

Pantheon Report

Generated at 2019-08-27 01:39:15 (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:

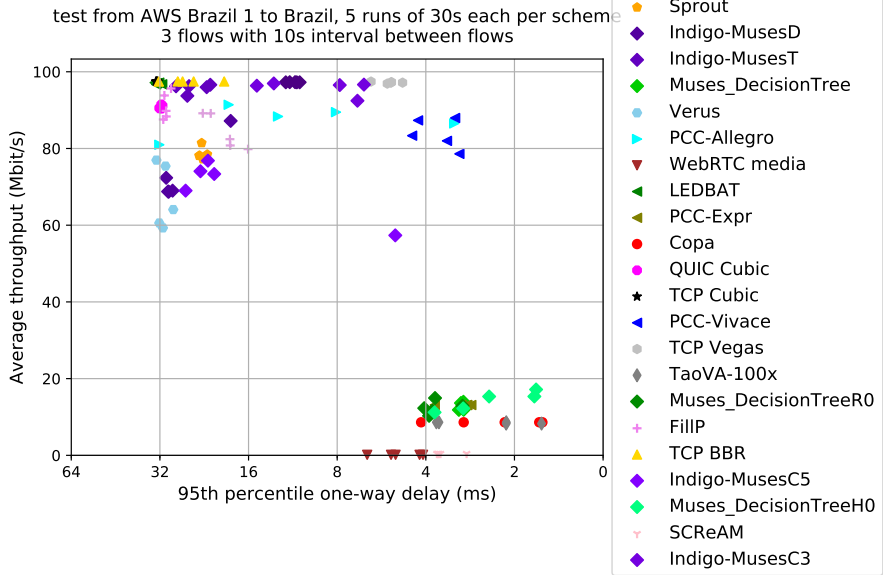
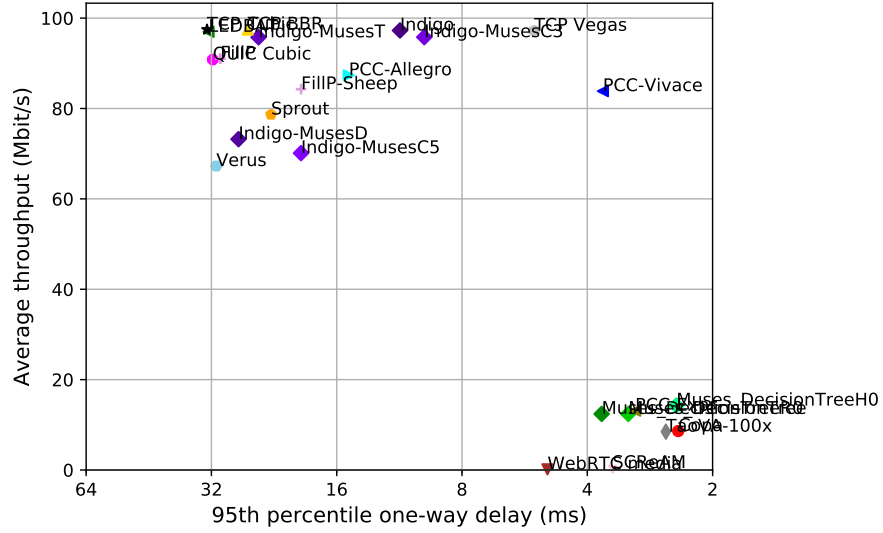
```
Linux 4.15.0-1043-aws
net.core.default_qdisc = fq
net.core.rmem_default = 16777216
net.core.rmem_max = 536870912
net.core.wmem_default = 16777216
net.core.wmem_max = 536870912
net.ipv4.tcp_rmem = 4096 16777216 536870912
net.ipv4.tcp_wmem = 4096 16777216 536870912
```

Git summary:

```
branch: muses @ de42328552b3776a75a932a94dfafd722537b0ec
third_party/fillp @ d6da1459332fcee56963885d7eba17e6a32d4519
third_party/fillp-sheep @ 0e5bb722943babcd2b090d2c64fcd45e12e923f9
third_party/genericCC @ d0153f8e594aa89e93b032143cedbdf58e562f4
third_party/indigo @ 2601c92e4aa9d58d38dc4dfe0ecd90c077e64d
third_party/libutp @ b3465b942e2826f2b179eaab4a906ce6bb7cf3cf
third_party/muses @ 5ce721187ad823da20955337730c746486ca4966
third_party/muses_dtree @ 387225f7b5f61ddbe92d708a8869ffbb84eb3200
third_party/pantheon-tunnel @ f866d3f58d27afd942717625ee3a354cc2e802bd
third_party/pcc @ 1afc958fa0d66d18b623c091a55fec872b4981e1
  M receiver/src/buffer.h
  M receiver/src/core.cpp
  M sender/src/buffer.h
  M sender/src/core.cpp
third_party/pcc-experimental @ cd43e34e3f5f5613e8acd08fab92c4eb24f974ab
third_party/proto-quick @ 77961f1a82733a86b42f1bc8143ebc978f3cff42
third_party/scream-reproduce @ f099118d1421aa3131bf11ff1964974e1da3bdb2
  M src/ScreamClient
  M src/ScreamServer
third_party/sprout @ 366e35c6178b01e31d4a46ad18c74f9415f19a26
  M src/examples/cellsim.cc
  M src/examples/sproutbt2.cc
  M src/network/sproutconn.cc
third_party/verus @ d4b447ea74c6c60a261149af2629562939f9a494
  M src/verus.hpp
```

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

test from 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	64.71	37.91	22.55	25.71	25.96	28.34	0.04	0.06	0.65
Copa	5	0.00	12.96	1.48	2.91	2.44	2.93	98.22	66.25	81.62
TCP Cubic	5	65.54	33.19	29.57	32.64	32.42	32.78	0.04	0.05	0.04
FillP	5	48.77	43.88	39.31	28.56	29.52	30.57	7.88	16.40	32.47
FillP-Sheep	5	55.27	30.85	25.62	17.69	20.41	23.61	0.75	1.46	4.99
Indigo	5	47.71	41.17	68.36	10.51	11.39	11.16	0.00	0.00	0.01
Indigo-MusesC3	5	60.01	38.47	36.65	9.14	10.62	7.79	0.00	0.00	0.00
Indigo-MusesC5	5	38.49	33.28	33.90	18.21	20.05	20.86	0.00	0.00	0.05
Indigo-MusesD	5	43.85	34.08	24.08	26.93	27.57	28.61	0.10	0.13	1.10
Indigo-MusesT	5	58.79	46.23	23.73	22.28	25.46	27.65	0.06	0.12	0.37
LEDBAT	5	63.78	33.64	32.60	32.54	32.09	32.93	0.03	0.12	0.09
Muses_DecisionTree	5	6.05	6.34	6.65	2.65	2.39	2.58	0.00	0.00	0.00
Muses_DecisionTreeH0	5	6.96	7.18	7.79	2.14	2.18	2.55	0.00	0.00	0.01
Muses_DecisionTreeR0	5	5.88	6.68	6.45	3.42	2.85	3.28	0.00	0.01	0.00
PCC-Allegro	5	67.91	24.49	9.54	13.23	19.98	24.76	0.02	0.06	0.11
PCC-Expr	5	8.53	5.37	3.06	3.09	2.50	1.92	22.36	25.33	32.75
QUIC Cubic	5	57.58	35.62	29.09	31.54	31.39	31.49	0.14	0.17	0.22
SCReAM	5	0.22	0.22	0.22	2.61	2.92	2.61	0.00	0.00	0.00
Sprout	5	42.99	38.15	31.21	21.27	23.25	25.13	0.00	0.00	0.00
TaoVA-100x	5	0.00	10.38	4.70	3.46	2.60	2.54	95.92	87.04	96.84
TCP Vegas	5	52.92	38.20	56.65	6.49	4.50	4.72	0.00	0.01	0.00
Verus	5	34.67	35.35	27.88	29.55	30.90	32.72	7.07	9.95	19.01
PCC-Vivace	5	53.96	30.41	29.22	3.20	3.56	5.58	0.00	0.00	0.01
WebRTC media	5	0.05	0.05	0.05	5.55	4.48	6.74	0.00	0.01	0.00

Run 1: Statistics of TCP BBR

Start at: 2019-08-26 23:36:28

End at: 2019-08-26 23:36:58

Local clock offset: -1.277 ms

Remote clock offset: 0.395 ms

Below is generated by plot.py at 2019-08-27 01:28:34

Datalink statistics

-- Total of 3 flows:

Average throughput: 97.45 Mbit/s

95th percentile per-packet one-way delay: 32.273 ms

Loss rate: 0.31%

-- Flow 1:

Average throughput: 52.34 Mbit/s

95th percentile per-packet one-way delay: 30.783 ms

Loss rate: 0.10%

-- Flow 2:

Average throughput: 55.52 Mbit/s

95th percentile per-packet one-way delay: 32.744 ms

Loss rate: 0.17%

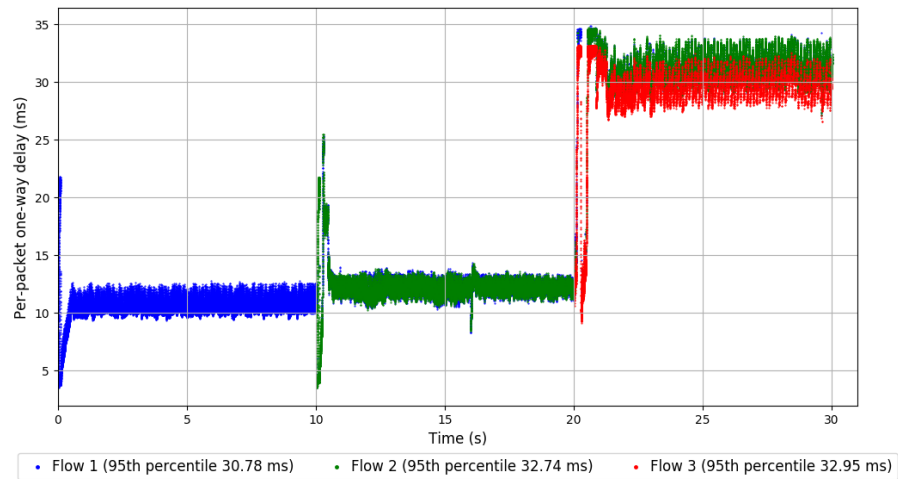
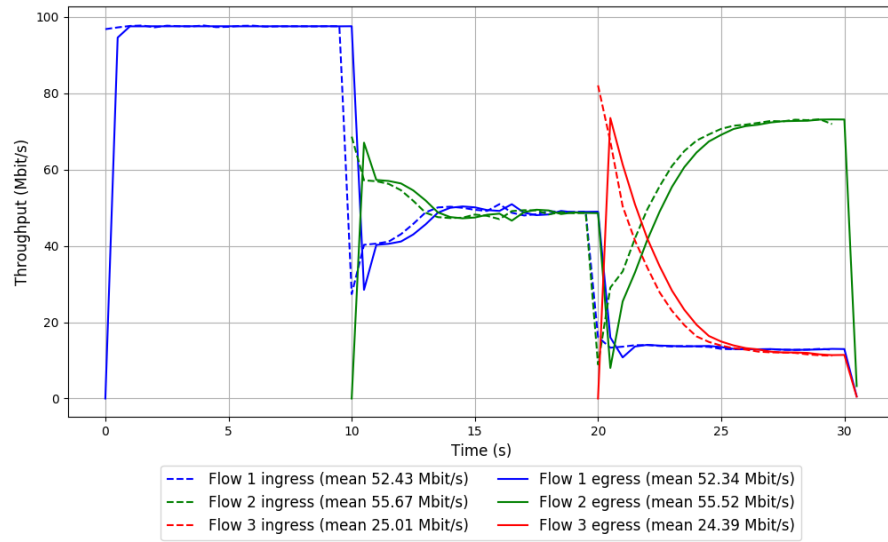
-- Flow 3:

Average throughput: 24.39 Mbit/s

95th percentile per-packet one-way delay: 32.952 ms

Loss rate: 2.26%

Run 1: Report of TCP BBR — Data Link



Run 2: Statistics of TCP BBR

Start at: 2019-08-27 00:03:37

End at: 2019-08-27 00:04:07

Local clock offset: -1.016 ms

Remote clock offset: 0.651 ms

Below is generated by plot.py at 2019-08-27 01:28:34

Datalink statistics

-- Total of 3 flows:

Average throughput: 97.49 Mbit/s

95th percentile per-packet one-way delay: 27.829 ms

Loss rate: 0.03%

-- Flow 1:

Average throughput: 76.03 Mbit/s

95th percentile per-packet one-way delay: 27.756 ms

Loss rate: 0.02%

-- Flow 2:

Average throughput: 25.18 Mbit/s

95th percentile per-packet one-way delay: 27.138 ms

Loss rate: 0.02%

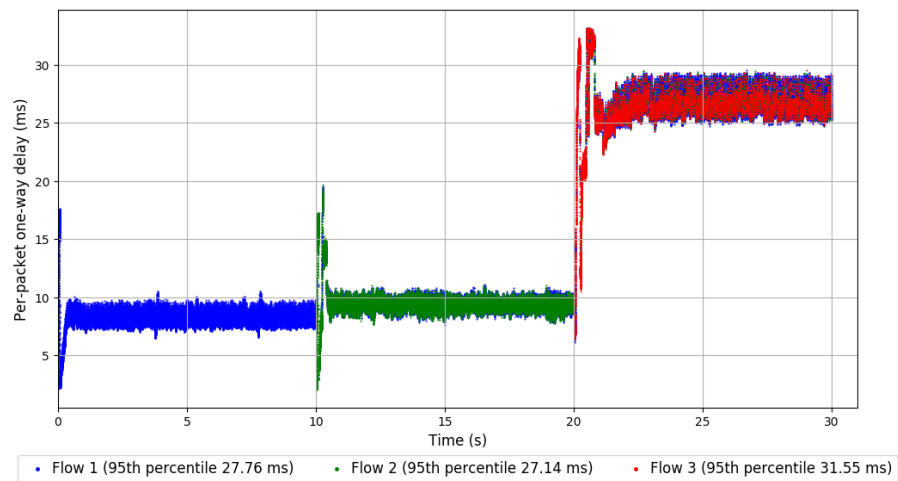
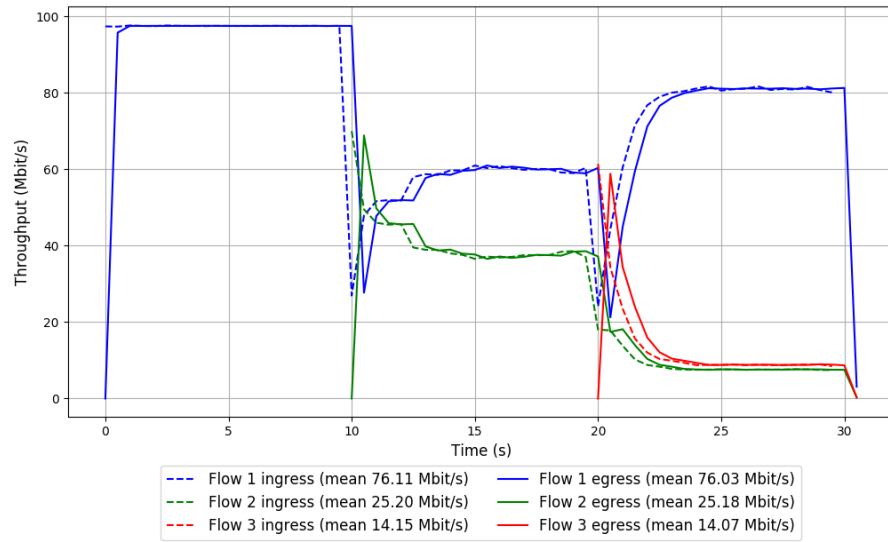
-- Flow 3:

Average throughput: 14.07 Mbit/s

95th percentile per-packet one-way delay: 31.553 ms

Loss rate: 0.36%

Run 2: Report of TCP BBR — Data Link



Run 3: Statistics of TCP BBR

Start at: 2019-08-27 00:30:47

End at: 2019-08-27 00:31:17

Local clock offset: -0.232 ms

Remote clock offset: 0.658 ms

Below is generated by plot.py at 2019-08-27 01:28:35

Datalink statistics

-- Total of 3 flows:

Average throughput: 97.47 Mbit/s

95th percentile per-packet one-way delay: 26.802 ms

Loss rate: 0.18%

-- Flow 1:

Average throughput: 64.47 Mbit/s

95th percentile per-packet one-way delay: 26.295 ms

Loss rate: 0.08%

-- Flow 2:

Average throughput: 24.00 Mbit/s

95th percentile per-packet one-way delay: 25.448 ms

Loss rate: 0.11%

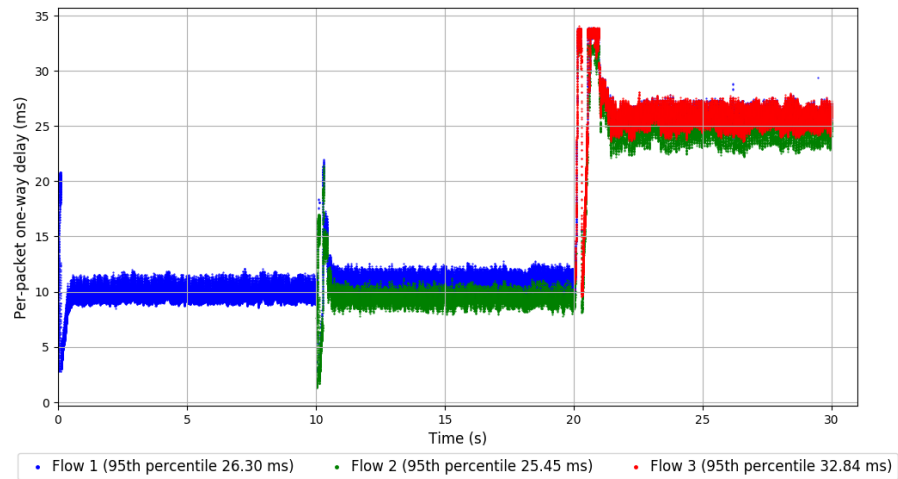
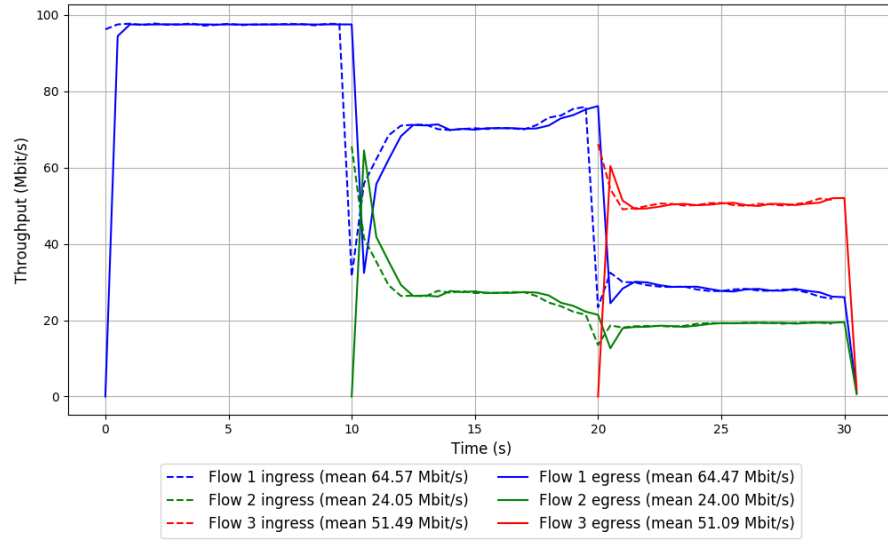
-- Flow 3:

Average throughput: 51.09 Mbit/s

95th percentile per-packet one-way delay: 32.835 ms

Loss rate: 0.63%

Run 3: Report of TCP BBR — Data Link



Run 4: Statistics of TCP BBR

Start at: 2019-08-27 00:57:57

End at: 2019-08-27 00:58:27

Local clock offset: -0.974 ms

Remote clock offset: 0.871 ms

Below is generated by plot.py at 2019-08-27 01:28:35

Datalink statistics

-- Total of 3 flows:

Average throughput: 97.48 Mbit/s

95th percentile per-packet one-way delay: 24.581 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 64.65 Mbit/s

95th percentile per-packet one-way delay: 24.573 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 43.90 Mbit/s

95th percentile per-packet one-way delay: 24.528 ms

Loss rate: 0.00%

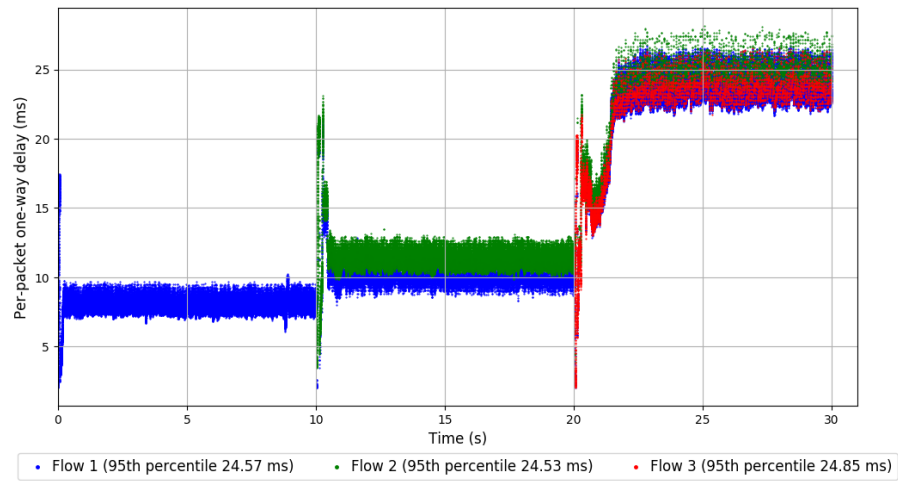
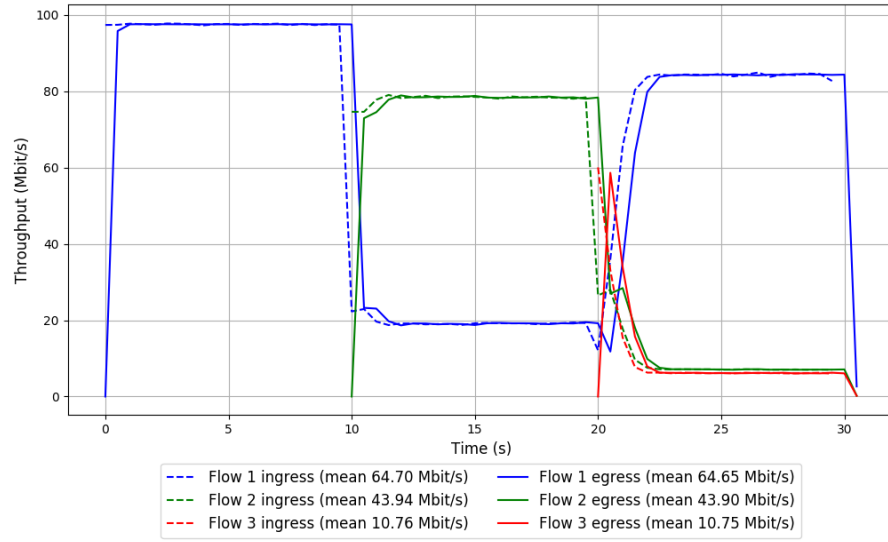
-- Flow 3:

Average throughput: 10.75 Mbit/s

95th percentile per-packet one-way delay: 24.848 ms

Loss rate: 0.00%

Run 4: Report of TCP BBR — Data Link



Run 5: Statistics of TCP BBR

Start at: 2019-08-27 01:25:06

End at: 2019-08-27 01:25:36

Local clock offset: -0.97 ms

Remote clock offset: 0.88 ms

Below is generated by plot.py at 2019-08-27 01:28:35

Datalink statistics

-- Total of 3 flows:

Average throughput: 97.47 Mbit/s

95th percentile per-packet one-way delay: 19.356 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 66.05 Mbit/s

95th percentile per-packet one-way delay: 19.149 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 40.96 Mbit/s

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

Loss rate: 0.00%

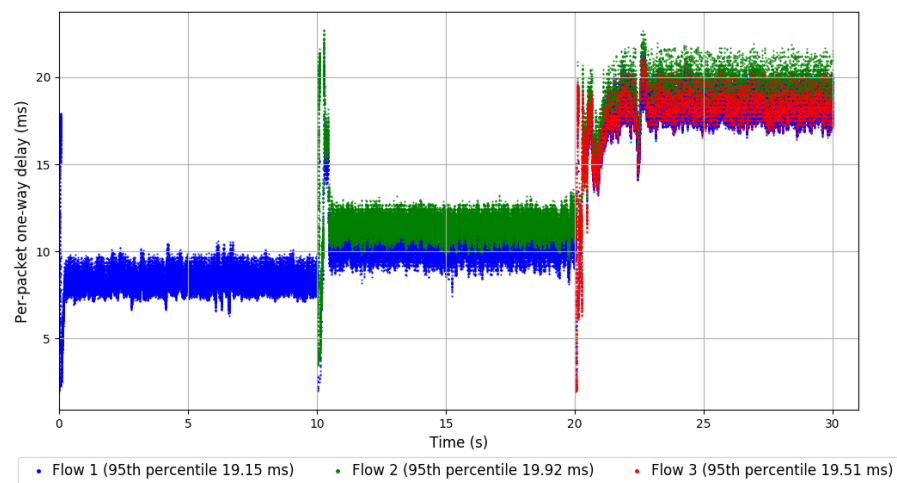
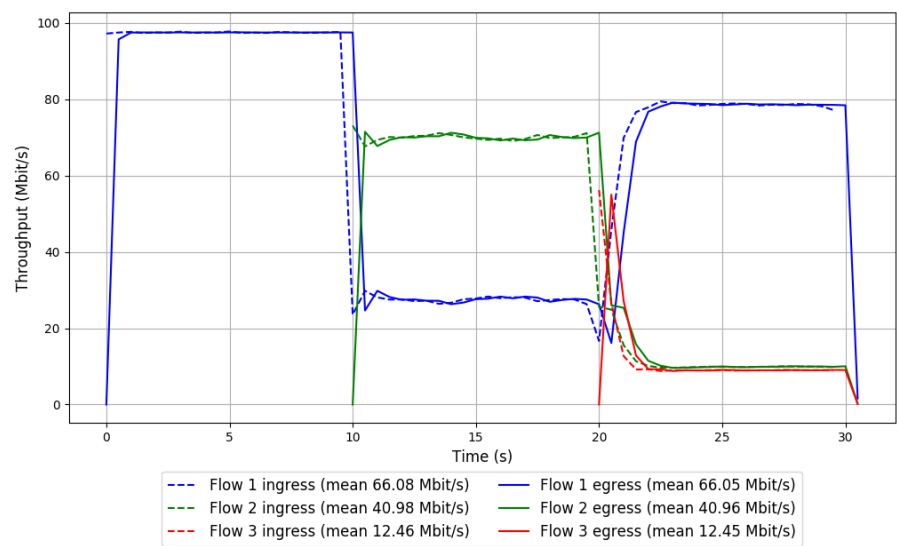
-- Flow 3:

Average throughput: 12.45 Mbit/s

95th percentile per-packet one-way delay: 19.513 ms

Loss rate: 0.00%

Run 5: Report of TCP BBR — Data Link



Run 1: Statistics of Copa

Start at: 2019-08-26 23:17:14

End at: 2019-08-26 23:17:44

Local clock offset: -0.466 ms

Remote clock offset: 0.208 ms

Below is generated by plot.py at 2019-08-27 01:28:35

Datalink statistics

-- Total of 3 flows:

Average throughput: 8.62 Mbit/s

95th percentile per-packet one-way delay: 2.975 ms

Loss rate: 65.74%

-- Flow 1:

Average throughput: 0.00 Mbit/s

95th percentile per-packet one-way delay: 1.258 ms

Loss rate: 98.60%

-- Flow 2:

Average throughput: 13.12 Mbit/s

95th percentile per-packet one-way delay: 3.079 ms

Loss rate: 64.60%

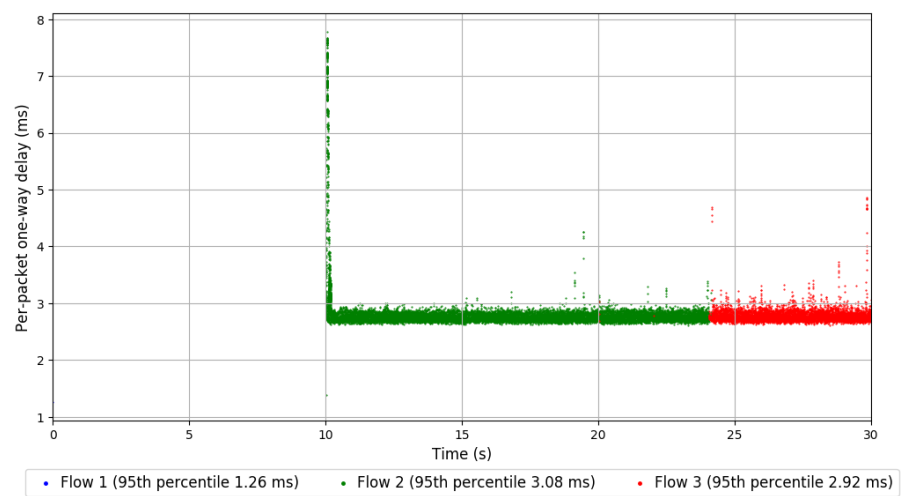
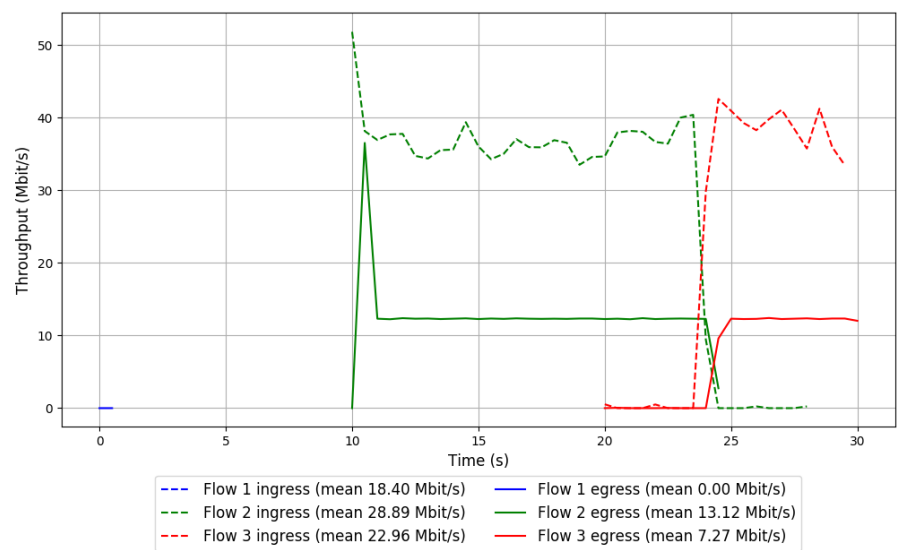
-- Flow 3:

Average throughput: 7.27 Mbit/s

95th percentile per-packet one-way delay: 2.920 ms

Loss rate: 68.34%

Run 1: Report of Copa — Data Link



Run 2: Statistics of Copa

Start at: 2019-08-26 23:44:25

End at: 2019-08-26 23:44:55

Local clock offset: -0.358 ms

Remote clock offset: 0.373 ms

Below is generated by plot.py at 2019-08-27 01:28:35

Datalink statistics

-- Total of 3 flows:

Average throughput: 8.62 Mbit/s

95th percentile per-packet one-way delay: 1.370 ms

Loss rate: 67.22%

-- Flow 1:

Average throughput: 0.00 Mbit/s

95th percentile per-packet one-way delay: 2.658 ms

Loss rate: 98.33%

-- Flow 2:

Average throughput: 12.92 Mbit/s

95th percentile per-packet one-way delay: 1.369 ms

Loss rate: 67.20%

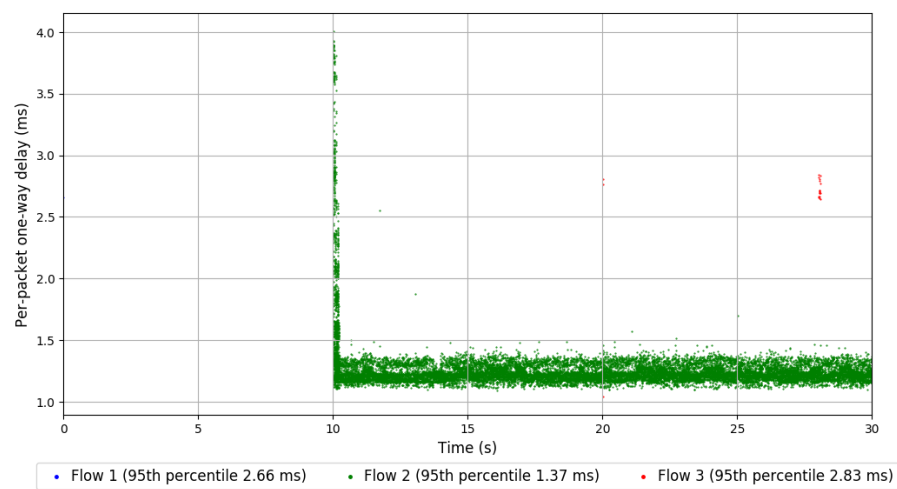
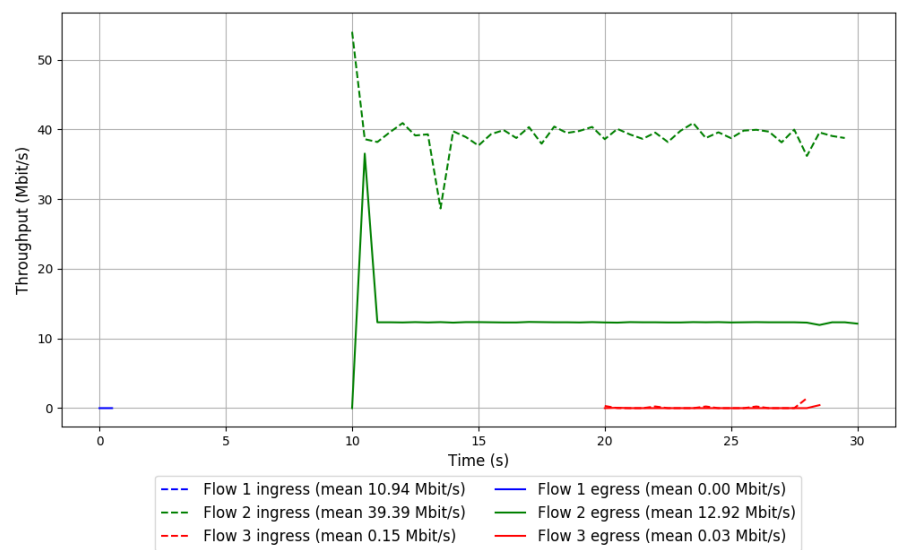
-- Flow 3:

Average throughput: 0.03 Mbit/s

95th percentile per-packet one-way delay: 2.835 ms

Loss rate: 80.33%

Run 2: Report of Copa — Data Link

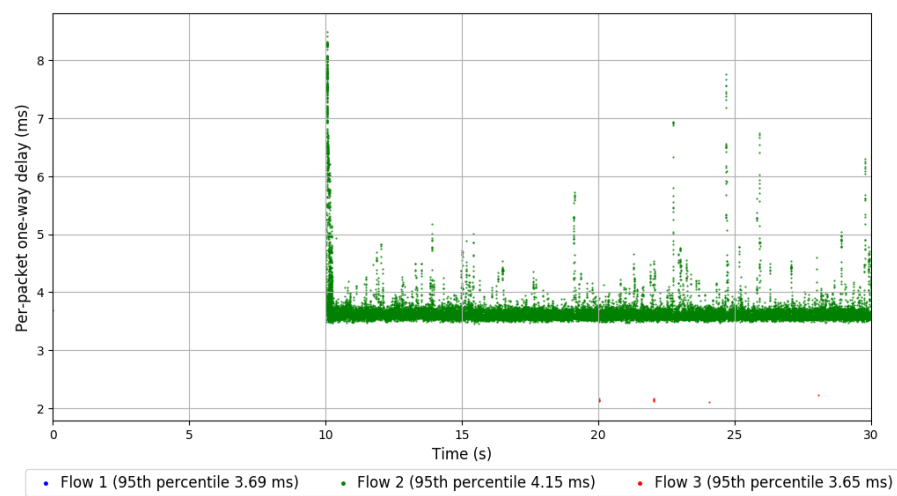
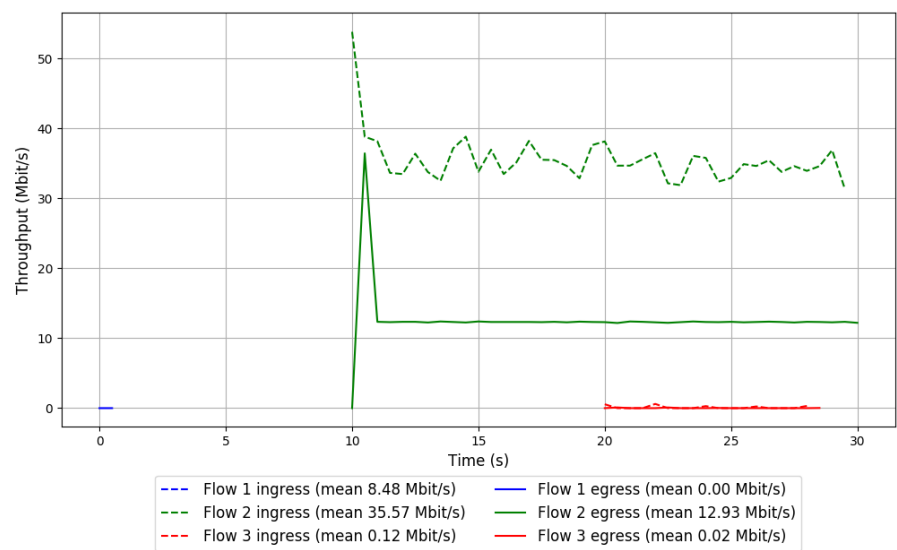


Run 3: Statistics of Copa

Start at: 2019-08-27 00:11:35
End at: 2019-08-27 00:12:05
Local clock offset: -0.977 ms
Remote clock offset: 0.674 ms

Below is generated by plot.py at 2019-08-27 01:28:35
Datalink statistics
-- Total of 3 flows:
Average throughput: 8.62 Mbit/s
95th percentile per-packet one-way delay: 4.150 ms
Loss rate: 63.68%
-- Flow 1:
Average throughput: 0.00 Mbit/s
95th percentile per-packet one-way delay: 3.686 ms
Loss rate: 97.92%
-- Flow 2:
Average throughput: 12.93 Mbit/s
95th percentile per-packet one-way delay: 4.150 ms
Loss rate: 63.65%
-- Flow 3:
Average throughput: 0.02 Mbit/s
95th percentile per-packet one-way delay: 3.653 ms
Loss rate: 87.86%

Run 3: Report of Copa — Data Link



Run 4: Statistics of Copa

Start at: 2019-08-27 00:38:44

End at: 2019-08-27 00:39:14

Local clock offset: -0.991 ms

Remote clock offset: 0.704 ms

Below is generated by plot.py at 2019-08-27 01:28:35

Datalink statistics

-- Total of 3 flows:

Average throughput: 8.62 Mbit/s

95th percentile per-packet one-way delay: 2.159 ms

Loss rate: 68.08%

-- Flow 1:

Average throughput: 0.00 Mbit/s

95th percentile per-packet one-way delay: 4.058 ms

Loss rate: 98.33%

-- Flow 2:

Average throughput: 12.92 Mbit/s

95th percentile per-packet one-way delay: 2.159 ms

Loss rate: 68.05%

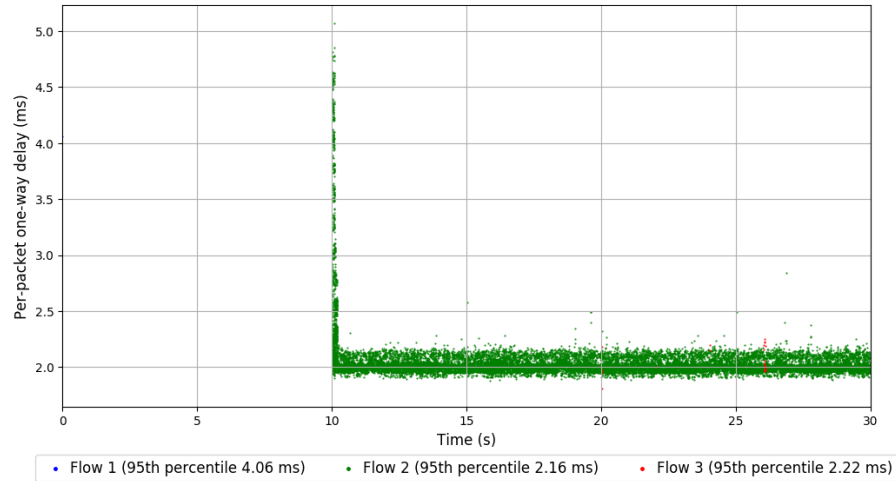
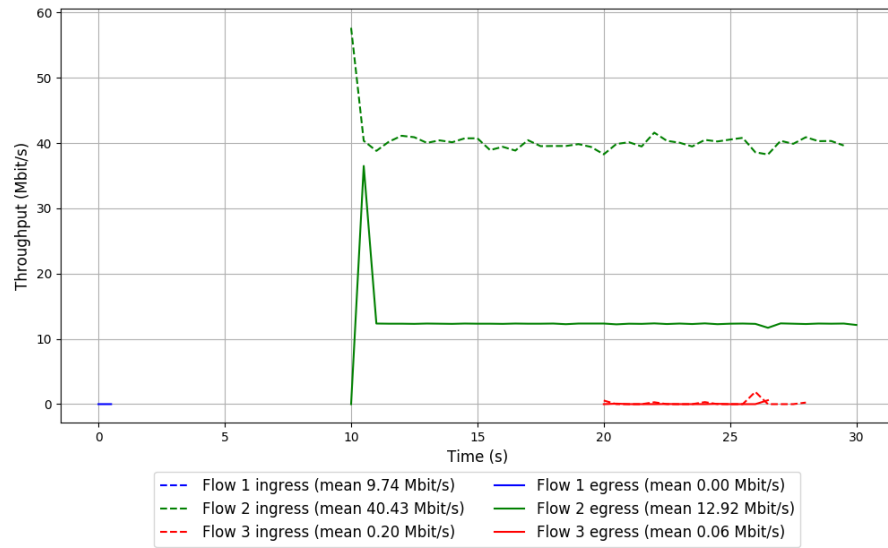
-- Flow 3:

Average throughput: 0.06 Mbit/s

95th percentile per-packet one-way delay: 2.218 ms

Loss rate: 77.16%

Run 4: Report of Copa — Data Link



Run 5: Statistics of Copa

Start at: 2019-08-27 01:05:53

End at: 2019-08-27 01:06:23

Local clock offset: -0.189 ms

Remote clock offset: 0.874 ms

Below is generated by plot.py at 2019-08-27 01:28:35

Datalink statistics

-- Total of 3 flows:

Average throughput: 8.62 Mbit/s

95th percentile per-packet one-way delay: 1.441 ms

Loss rate: 67.78%

-- Flow 1:

Average throughput: 0.00 Mbit/s

95th percentile per-packet one-way delay: 2.897 ms

Loss rate: 97.92%

-- Flow 2:

Average throughput: 12.93 Mbit/s

95th percentile per-packet one-way delay: 1.441 ms

Loss rate: 67.76%

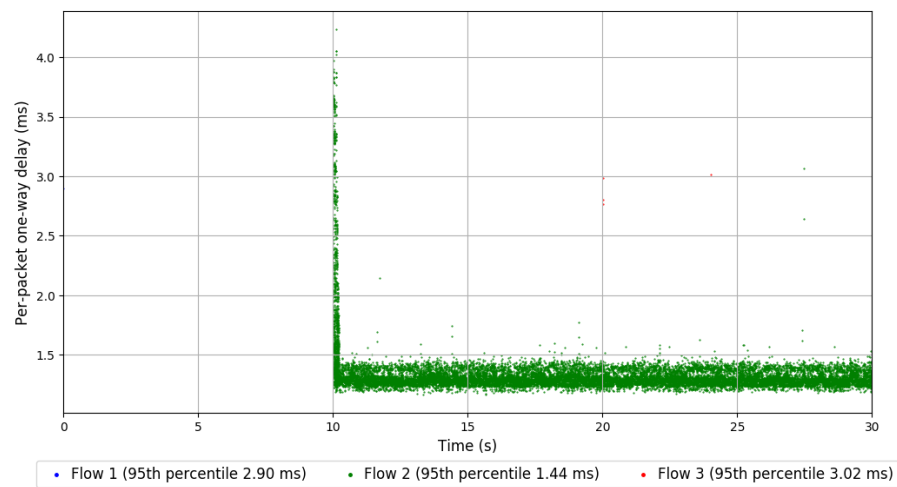
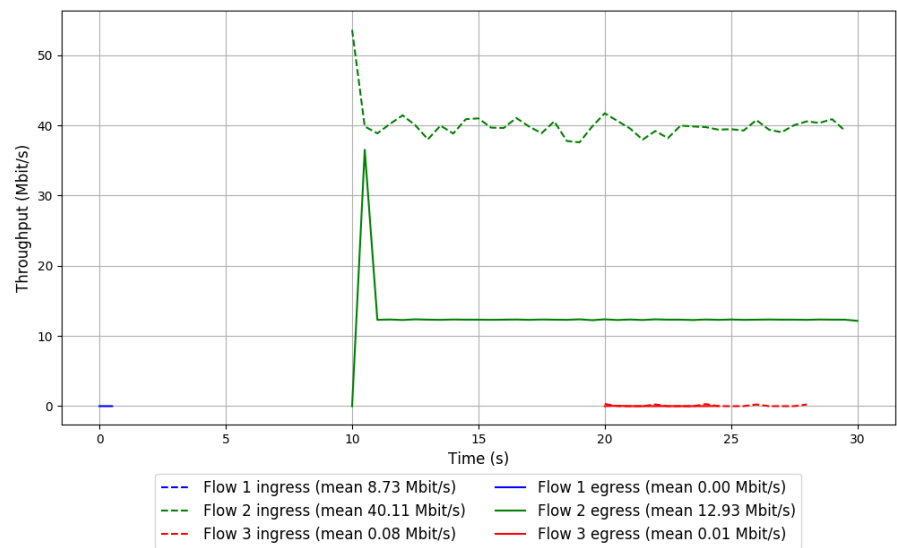
-- Flow 3:

Average throughput: 0.01 Mbit/s

95th percentile per-packet one-way delay: 3.016 ms

Loss rate: 94.40%

Run 5: Report of Copa — Data Link



Run 1: Statistics of TCP Cubic

Start at: 2019-08-26 23:33:03

End at: 2019-08-26 23:33:33

Local clock offset: -1.275 ms

Remote clock offset: 0.385 ms

Below is generated by plot.py at 2019-08-27 01:28:46

Datalink statistics

-- Total of 3 flows:

Average throughput: 97.44 Mbit/s

95th percentile per-packet one-way delay: 32.521 ms

Loss rate: 0.04%

-- Flow 1:

Average throughput: 72.12 Mbit/s

95th percentile per-packet one-way delay: 32.286 ms

Loss rate: 0.03%

-- Flow 2:

Average throughput: 25.16 Mbit/s

95th percentile per-packet one-way delay: 32.374 ms

Loss rate: 0.05%

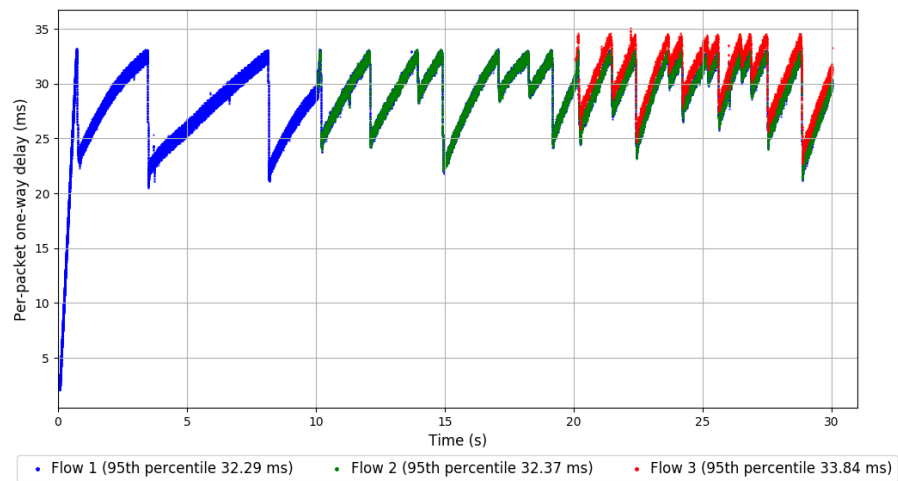
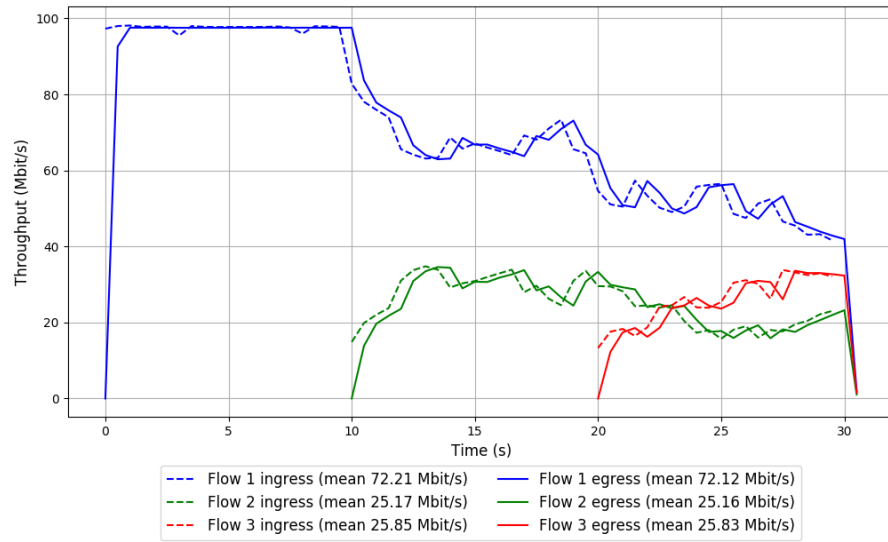
-- Flow 3:

Average throughput: 25.83 Mbit/s

95th percentile per-packet one-way delay: 33.841 ms

Loss rate: 0.06%

Run 1: Report of TCP Cubic — Data Link



Run 2: Statistics of TCP Cubic

Start at: 2019-08-27 00:00:12

End at: 2019-08-27 00:00:42

Local clock offset: -0.316 ms

Remote clock offset: 0.494 ms

Below is generated by plot.py at 2019-08-27 01:28:54

Datalink statistics

-- Total of 3 flows:

Average throughput: 97.45 Mbit/s

95th percentile per-packet one-way delay: 32.792 ms

Loss rate: 0.05%

-- Flow 1:

Average throughput: 63.01 Mbit/s

95th percentile per-packet one-way delay: 32.880 ms

Loss rate: 0.04%

-- Flow 2:

Average throughput: 37.93 Mbit/s

95th percentile per-packet one-way delay: 31.451 ms

Loss rate: 0.05%

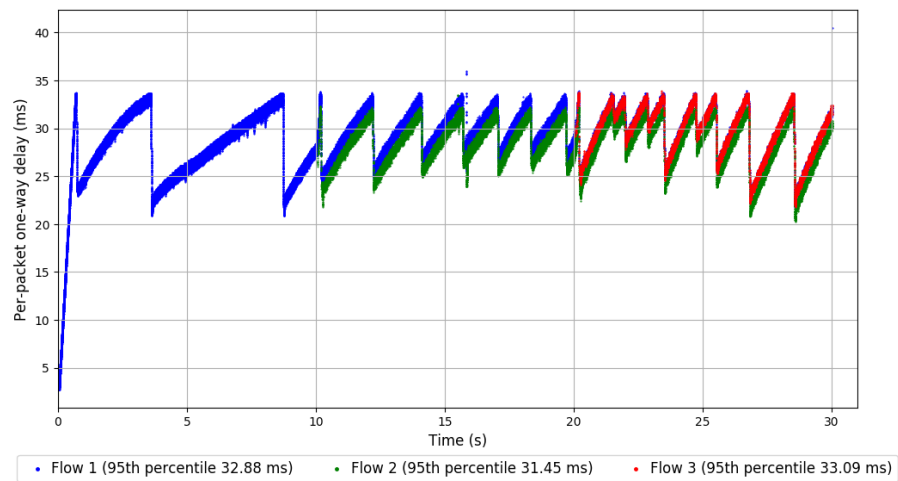
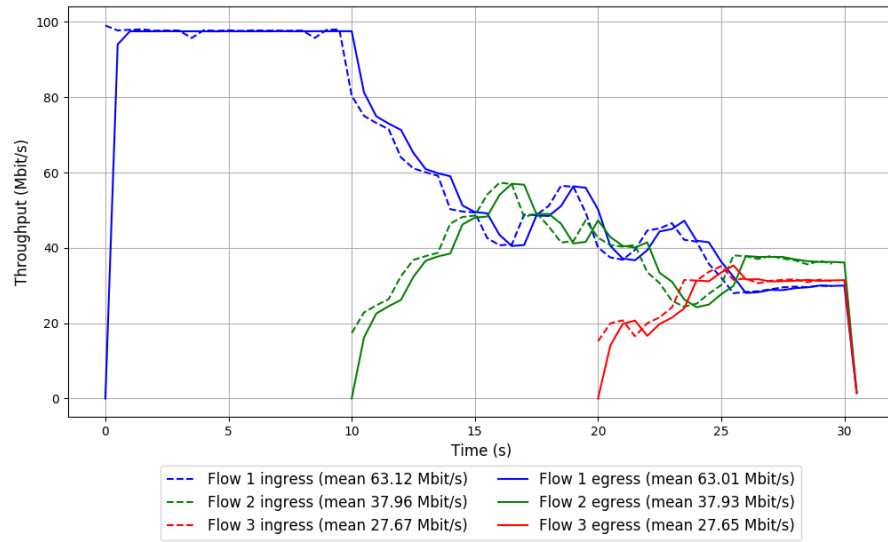
-- Flow 3:

Average throughput: 27.65 Mbit/s

95th percentile per-packet one-way delay: 33.087 ms

Loss rate: 0.05%

Run 2: Report of TCP Cubic — Data Link



Run 3: Statistics of TCP Cubic

Start at: 2019-08-27 00:27:22

End at: 2019-08-27 00:27:52

Local clock offset: -0.973 ms

Remote clock offset: 0.57 ms

Below is generated by plot.py at 2019-08-27 01:28:55

Datalink statistics

-- Total of 3 flows:

Average throughput: 97.45 Mbit/s

95th percentile per-packet one-way delay: 33.017 ms

Loss rate: 0.04%

-- Flow 1:

Average throughput: 67.32 Mbit/s

95th percentile per-packet one-way delay: 32.162 ms

Loss rate: 0.04%

-- Flow 2:

Average throughput: 30.82 Mbit/s

95th percentile per-packet one-way delay: 33.678 ms

Loss rate: 0.05%

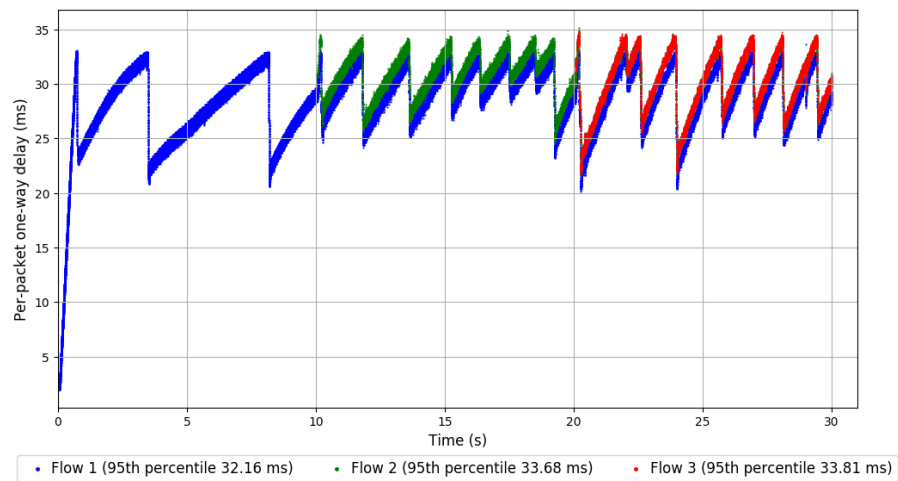
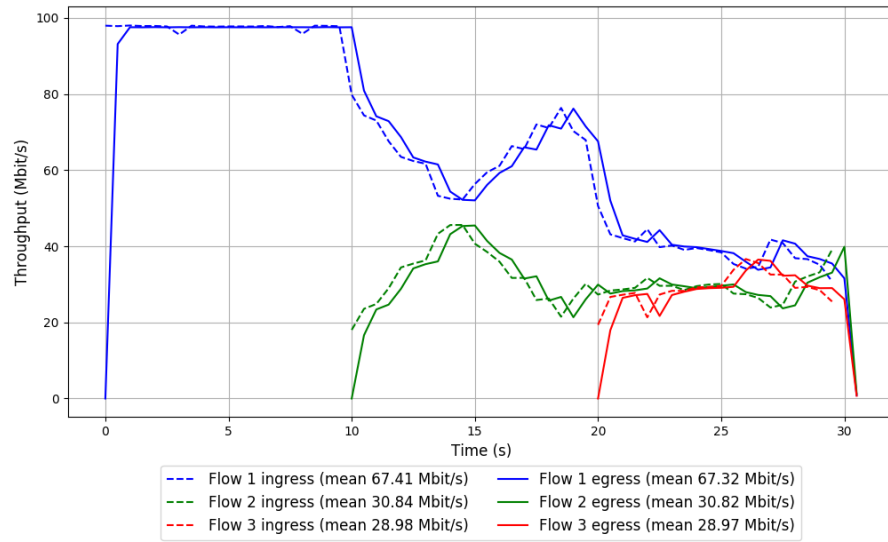
-- Flow 3:

Average throughput: 28.97 Mbit/s

95th percentile per-packet one-way delay: 33.810 ms

Loss rate: 0.05%

Run 3: Report of TCP Cubic — Data Link



Run 4: Statistics of TCP Cubic

Start at: 2019-08-27 00:54:32

End at: 2019-08-27 00:55:02

Local clock offset: -0.197 ms

Remote clock offset: 0.934 ms

Below is generated by plot.py at 2019-08-27 01:29:36

Datalink statistics

-- Total of 3 flows:

Average throughput: 97.47 Mbit/s

95th percentile per-packet one-way delay: 32.938 ms

Loss rate: 0.04%

-- Flow 1:

Average throughput: 62.84 Mbit/s

95th percentile per-packet one-way delay: 32.939 ms

Loss rate: 0.03%

-- Flow 2:

Average throughput: 35.13 Mbit/s

95th percentile per-packet one-way delay: 33.041 ms

Loss rate: 0.05%

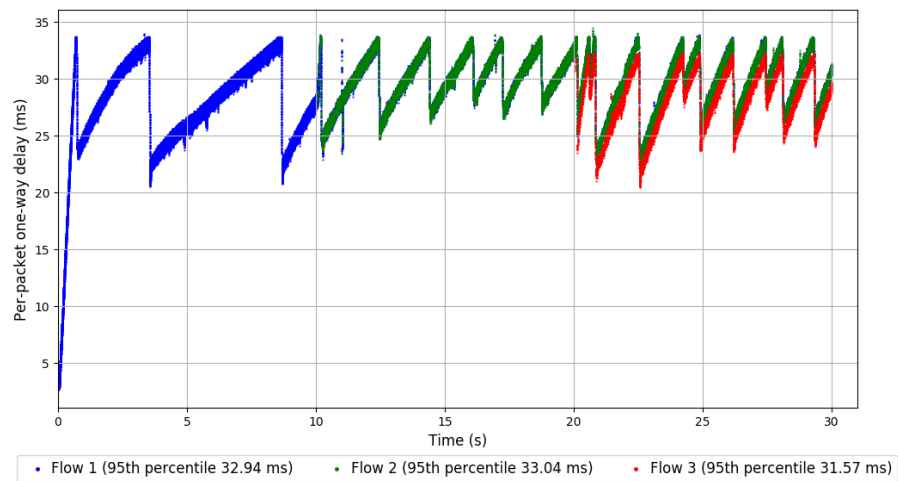
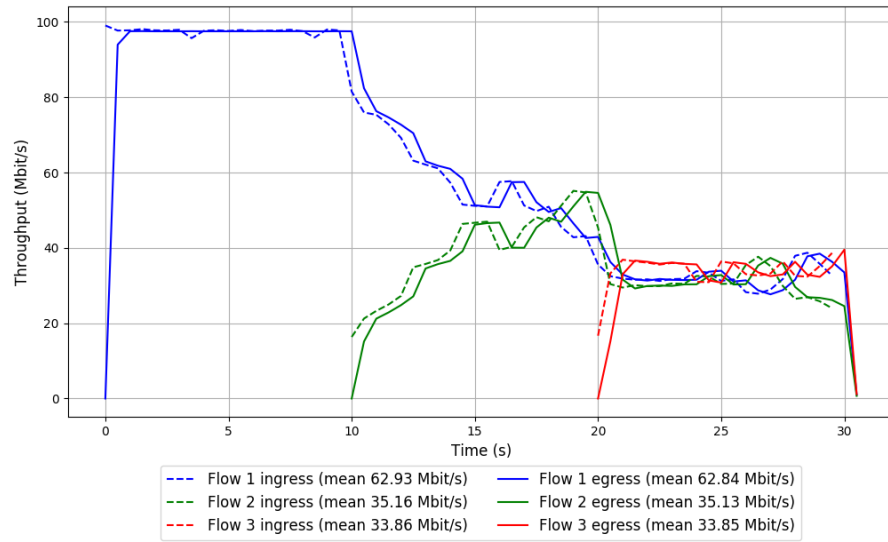
-- Flow 3:

Average throughput: 33.85 Mbit/s

95th percentile per-packet one-way delay: 31.570 ms

Loss rate: 0.03%

Run 4: Report of TCP Cubic — Data Link



Run 5: Statistics of TCP Cubic

Start at: 2019-08-27 01:21:41

End at: 2019-08-27 01:22:11

Local clock offset: -0.187 ms

Remote clock offset: 0.865 ms

Below is generated by plot.py at 2019-08-27 01:29:36

Datalink statistics

-- Total of 3 flows:

Average throughput: 97.46 Mbit/s

95th percentile per-packet one-way delay: 32.683 ms

Loss rate: 0.04%

-- Flow 1:

Average throughput: 62.42 Mbit/s

95th percentile per-packet one-way delay: 32.917 ms

Loss rate: 0.04%

-- Flow 2:

Average throughput: 36.90 Mbit/s

95th percentile per-packet one-way delay: 31.546 ms

Loss rate: 0.04%

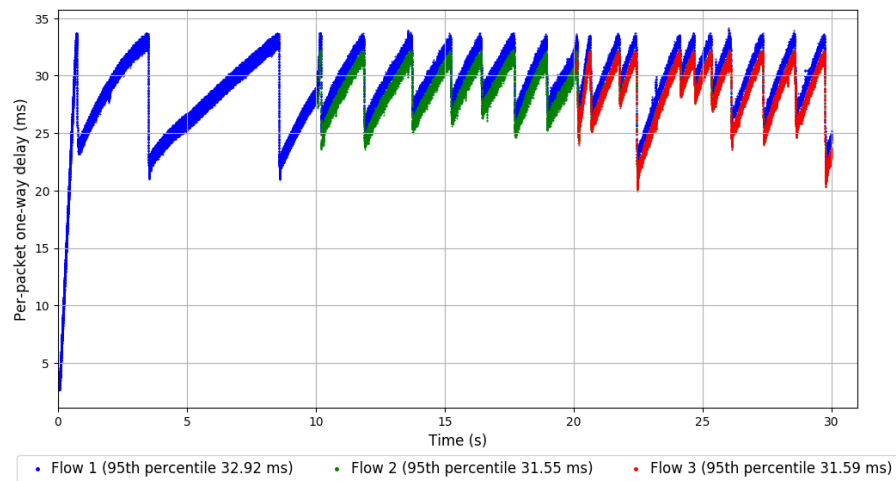
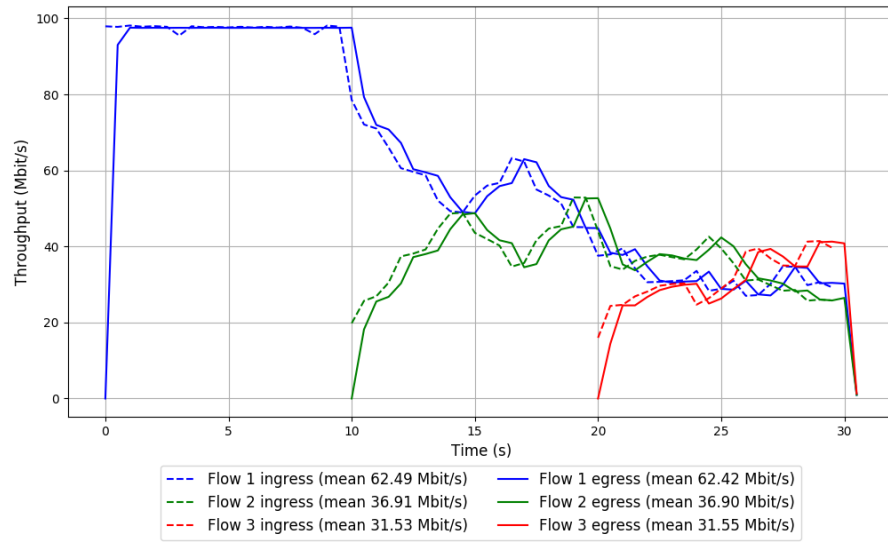
-- Flow 3:

Average throughput: 31.55 Mbit/s

95th percentile per-packet one-way delay: 31.588 ms

Loss rate: 0.02%

Run 5: Report of TCP Cubic — Data Link



Run 1: Statistics of FillP

Start at: 2019-08-26 23:12:39

End at: 2019-08-26 23:13:09

Local clock offset: -0.47 ms

Remote clock offset: 0.162 ms

Below is generated by plot.py at 2019-08-27 01:29:52

Datalink statistics

-- Total of 3 flows:

Average throughput: 88.35 Mbit/s

95th percentile per-packet one-way delay: 30.448 ms

Loss rate: 15.47%

-- Flow 1:

Average throughput: 55.18 Mbit/s

95th percentile per-packet one-way delay: 29.708 ms

Loss rate: 6.80%

-- Flow 2:

Average throughput: 25.35 Mbit/s

95th percentile per-packet one-way delay: 28.522 ms

Loss rate: 14.77%

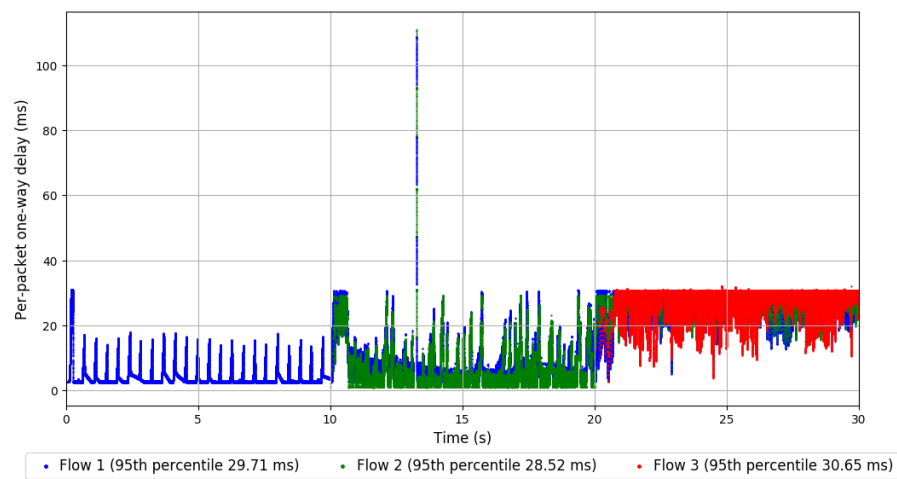
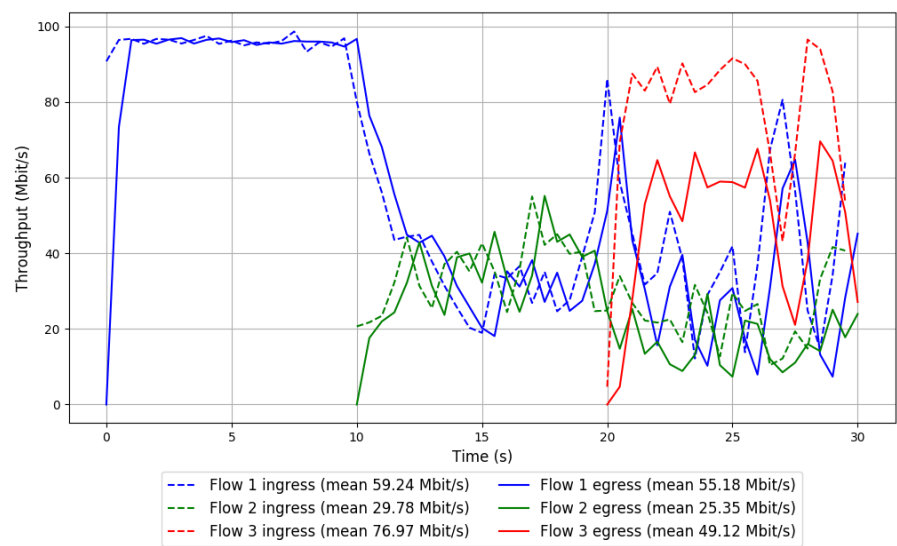
-- Flow 3:

Average throughput: 49.12 Mbit/s

95th percentile per-packet one-way delay: 30.651 ms

Loss rate: 36.12%

Run 1: Report of FillP — Data Link



Run 2: Statistics of FillP

Start at: 2019-08-26 23:39:51

End at: 2019-08-26 23:40:21

Local clock offset: -0.376 ms

Remote clock offset: 0.47 ms

Below is generated by plot.py at 2019-08-27 01:29:54

Datalink statistics

-- Total of 3 flows:

Average throughput: 89.80 Mbit/s

95th percentile per-packet one-way delay: 30.497 ms

Loss rate: 16.29%

-- Flow 1:

Average throughput: 44.69 Mbit/s

95th percentile per-packet one-way delay: 26.819 ms

Loss rate: 5.98%

-- Flow 2:

Average throughput: 41.19 Mbit/s

95th percentile per-packet one-way delay: 28.993 ms

Loss rate: 15.75%

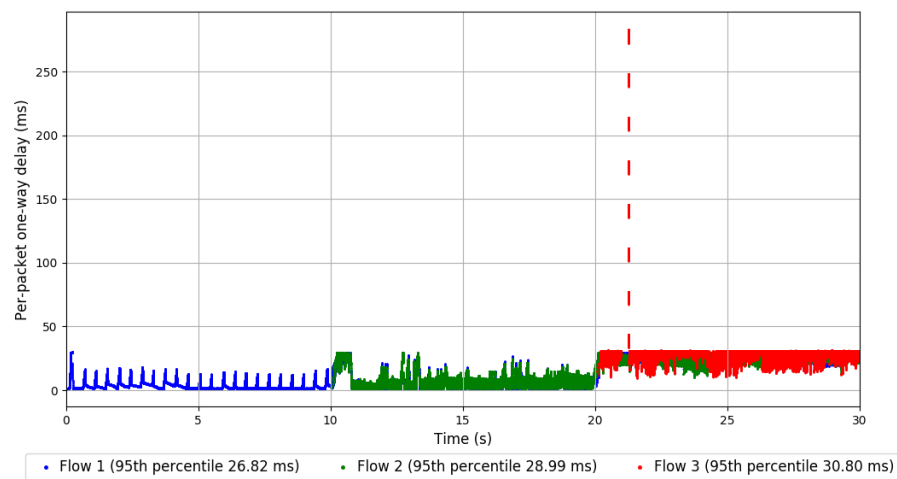
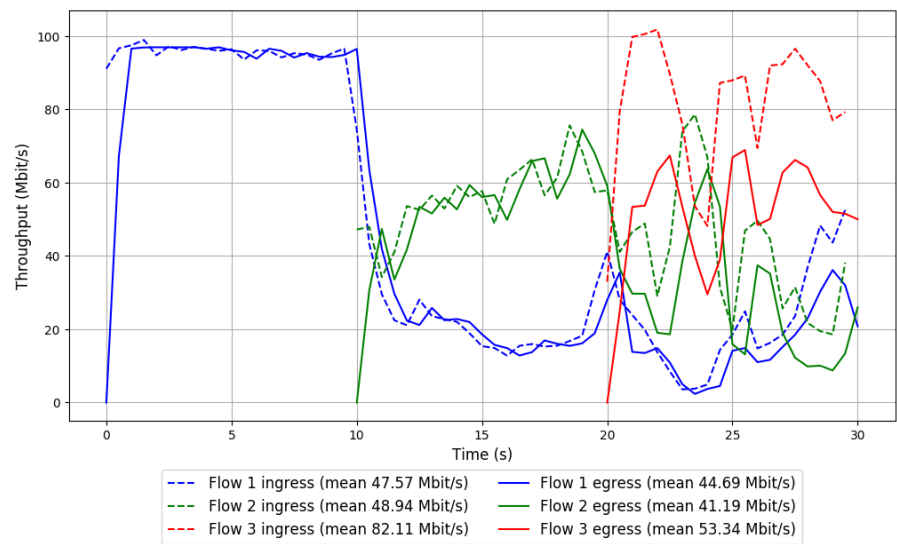
-- Flow 3:

Average throughput: 53.34 Mbit/s

95th percentile per-packet one-way delay: 30.801 ms

Loss rate: 34.94%

Run 2: Report of FillP — Data Link

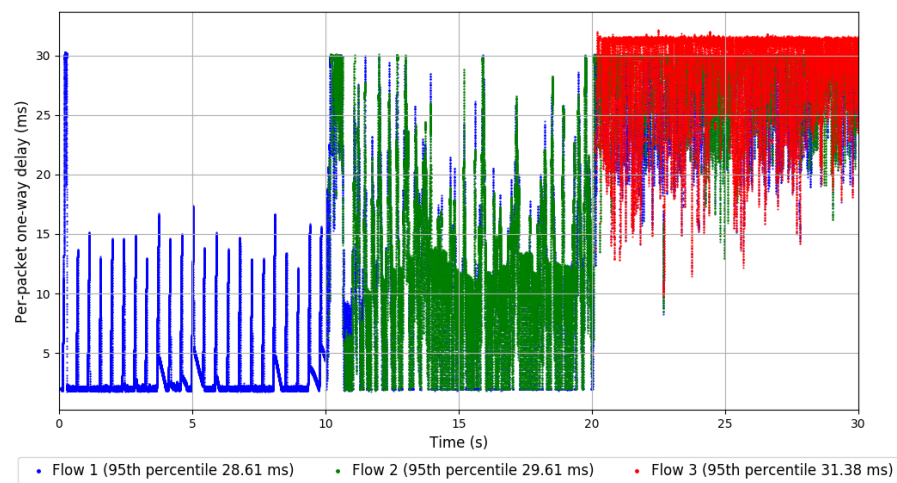
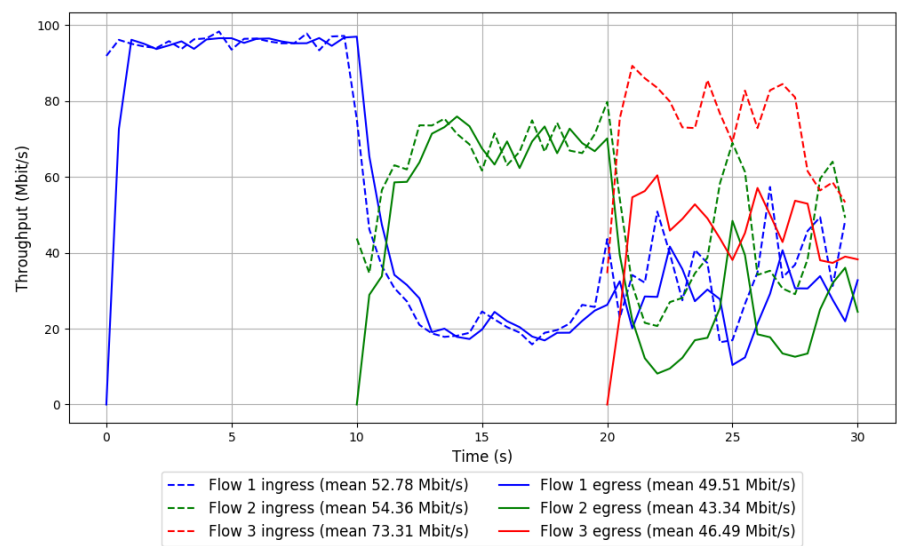


Run 3: Statistics of FillP

Start at: 2019-08-27 00:07:00
End at: 2019-08-27 00:07:30
Local clock offset: -1.006 ms
Remote clock offset: 0.512 ms

Below is generated by plot.py at 2019-08-27 01:29:58
Datalink statistics
-- Total of 3 flows:
Average throughput: 93.82 Mbit/s
95th percentile per-packet one-way delay: 30.902 ms
Loss rate: 17.14%
-- Flow 1:
Average throughput: 49.51 Mbit/s
95th percentile per-packet one-way delay: 28.614 ms
Loss rate: 6.13%
-- Flow 2:
Average throughput: 43.34 Mbit/s
95th percentile per-packet one-way delay: 29.614 ms
Loss rate: 20.18%
-- Flow 3:
Average throughput: 46.49 Mbit/s
95th percentile per-packet one-way delay: 31.376 ms
Loss rate: 36.45%

Run 3: Report of FillP — Data Link

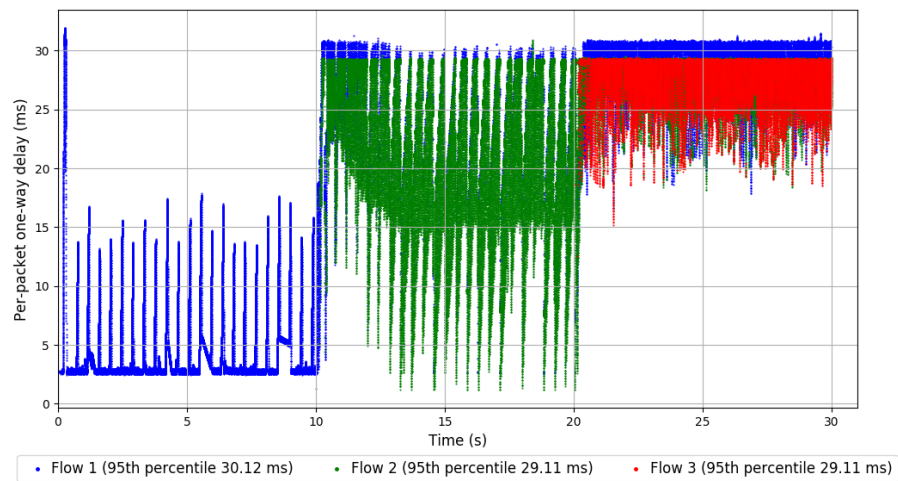
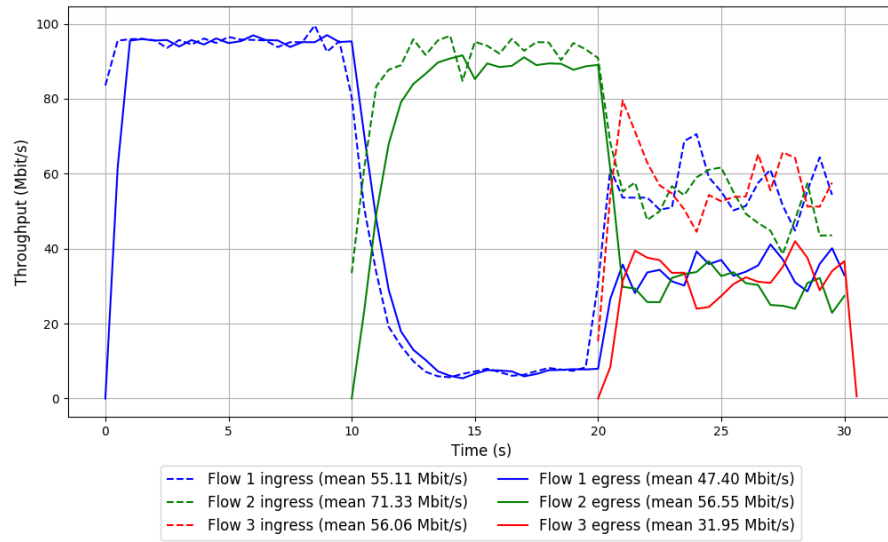


Run 4: Statistics of FillP

Start at: 2019-08-27 00:34:10
End at: 2019-08-27 00:34:40
Local clock offset: -0.201 ms
Remote clock offset: 0.645 ms

Below is generated by plot.py at 2019-08-27 01:30:12
Datalink statistics
-- Total of 3 flows:
Average throughput: 95.65 Mbit/s
95th percentile per-packet one-way delay: 29.333 ms
Loss rate: 21.00%
-- Flow 1:
Average throughput: 47.40 Mbit/s
95th percentile per-packet one-way delay: 30.122 ms
Loss rate: 13.91%
-- Flow 2:
Average throughput: 56.55 Mbit/s
95th percentile per-packet one-way delay: 29.106 ms
Loss rate: 20.63%
-- Flow 3:
Average throughput: 31.95 Mbit/s
95th percentile per-packet one-way delay: 29.109 ms
Loss rate: 42.95%

Run 4: Report of FillP — Data Link



Run 5: Statistics of FillP

Start at: 2019-08-27 01:01:20

End at: 2019-08-27 01:01:50

Local clock offset: -0.988 ms

Remote clock offset: 0.836 ms

Below is generated by plot.py at 2019-08-27 01:30:12

Datalink statistics

-- Total of 3 flows:

Average throughput: 87.56 Mbit/s

95th percentile per-packet one-way delay: 31.168 ms

Loss rate: 8.59%

-- Flow 1:

Average throughput: 47.08 Mbit/s

95th percentile per-packet one-way delay: 27.517 ms

Loss rate: 6.59%

-- Flow 2:

Average throughput: 52.97 Mbit/s

95th percentile per-packet one-way delay: 31.365 ms

Loss rate: 10.65%

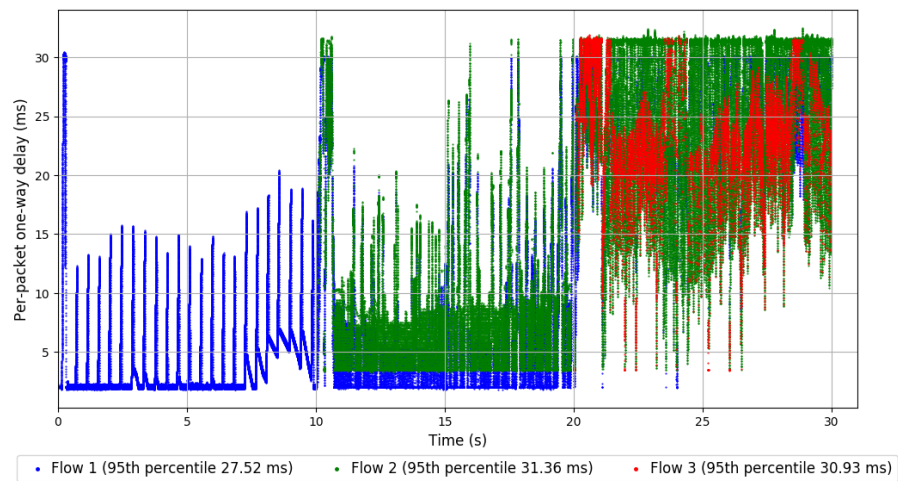
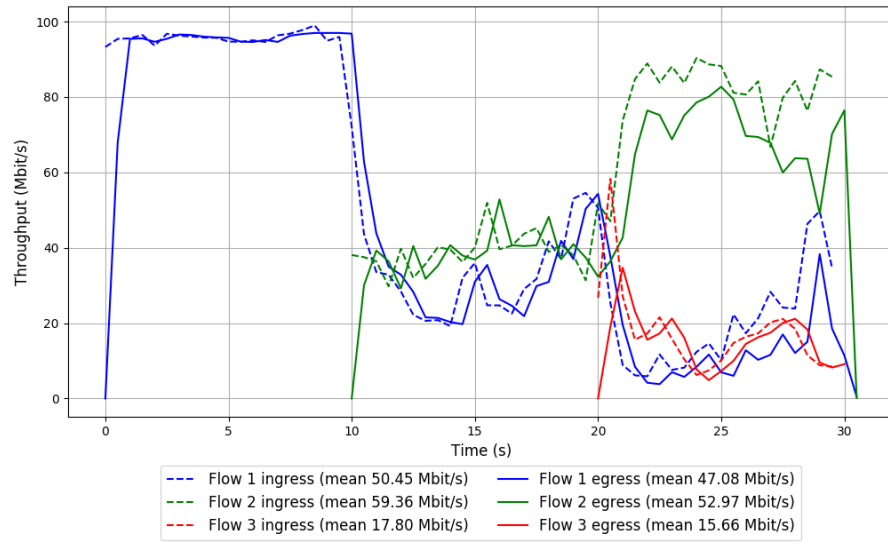
-- Flow 3:

Average throughput: 15.66 Mbit/s

95th percentile per-packet one-way delay: 30.929 ms

Loss rate: 11.91%

Run 5: Report of FillP — Data Link

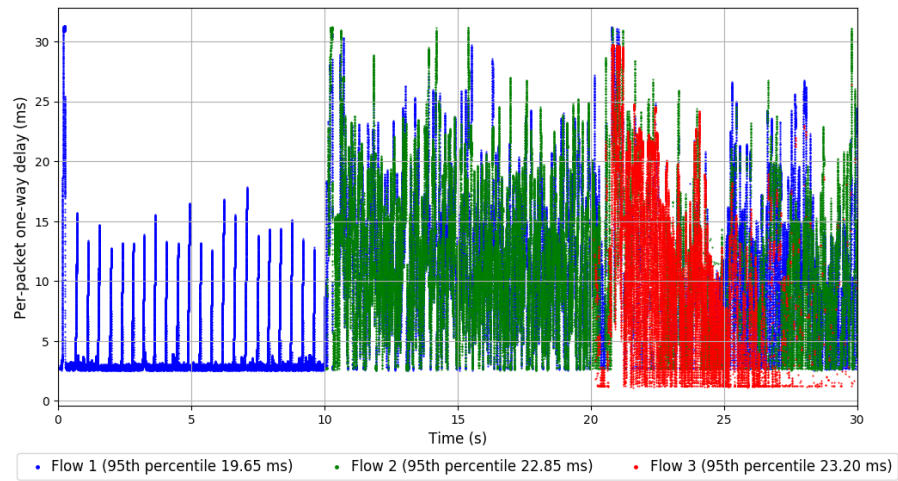
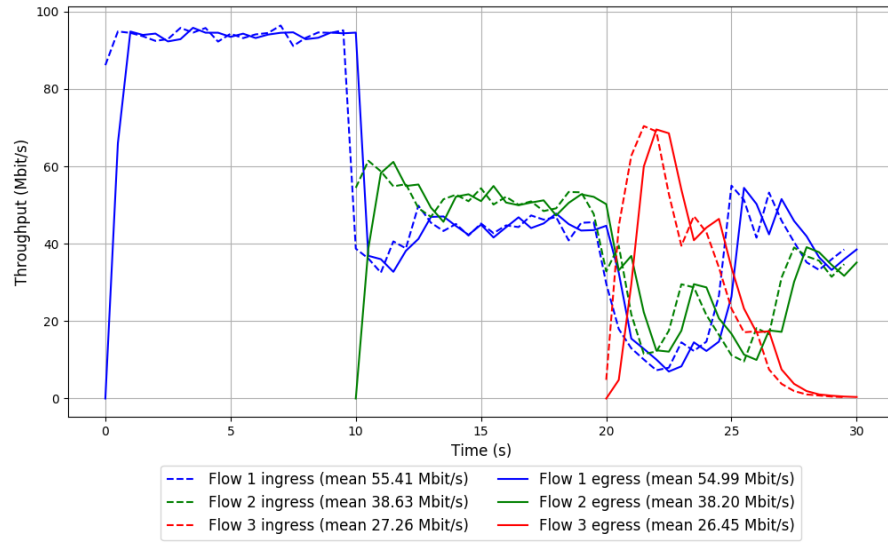



```
Run 1: Statistics of FillP-Sheep

Start at: 2019-08-26 23:20:37
End at: 2019-08-26 23:21:07
Local clock offset: -0.444 ms
Remote clock offset: 0.305 ms

# Below is generated by plot.py at 2019-08-27 01:30:12
# Datalink statistics
-- Total of 3 flows:
Average throughput: 89.14 Mbit/s
95th percentile per-packet one-way delay: 21.502 ms
Loss rate: 1.09%
-- Flow 1:
Average throughput: 54.99 Mbit/s
95th percentile per-packet one-way delay: 19.650 ms
Loss rate: 0.76%
-- Flow 2:
Average throughput: 38.20 Mbit/s
95th percentile per-packet one-way delay: 22.854 ms
Loss rate: 1.12%
-- Flow 3:
Average throughput: 26.45 Mbit/s
95th percentile per-packet one-way delay: 23.202 ms
Loss rate: 2.96%
```

Run 1: Report of FillP-Sheep — Data Link



Run 2: Statistics of FillP-Sheep

Start at: 2019-08-26 23:47:48

End at: 2019-08-26 23:48:18

Local clock offset: -0.334 ms

Remote clock offset: 0.465 ms

Below is generated by plot.py at 2019-08-27 01:30:53

Datalink statistics

-- Total of 3 flows:

Average throughput: 89.18 Mbit/s

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

Loss rate: 1.28%

-- Flow 1:

Average throughput: 57.95 Mbit/s

95th percentile per-packet one-way delay: 21.076 ms

Loss rate: 0.72%

-- Flow 2:

Average throughput: 42.88 Mbit/s

95th percentile per-packet one-way delay: 24.337 ms

Loss rate: 1.76%

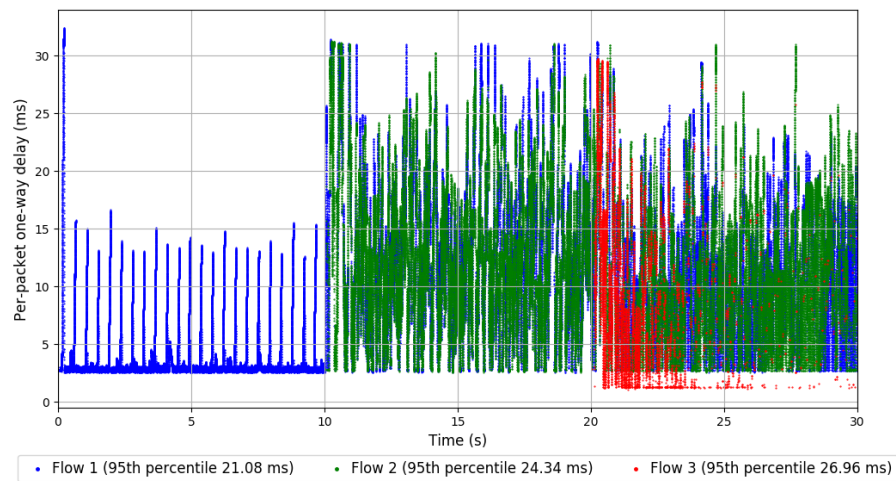
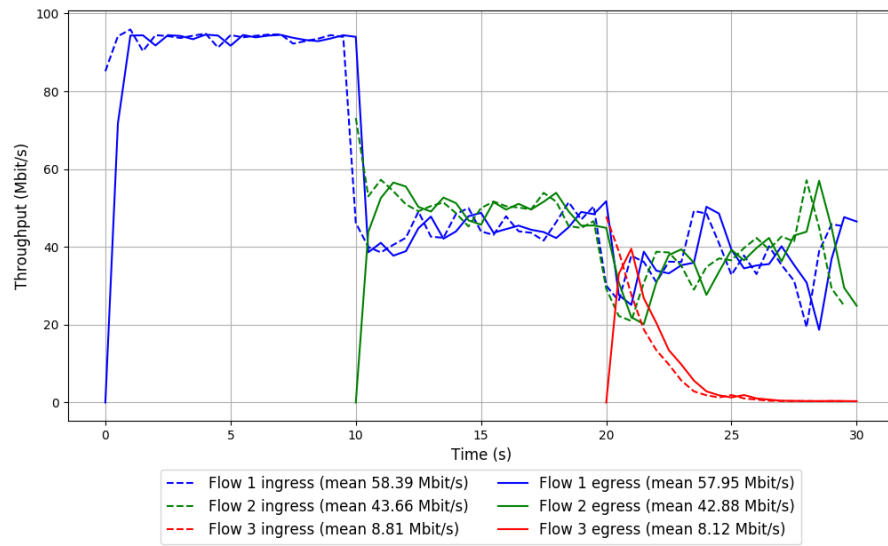
-- Flow 3:

Average throughput: 8.12 Mbit/s

95th percentile per-packet one-way delay: 26.956 ms

Loss rate: 7.64%

Run 2: Report of FillP-Sheep — Data Link



Run 3: Statistics of FillP-Sheep

Start at: 2019-08-27 00:14:58

End at: 2019-08-27 00:15:28

Local clock offset: -0.973 ms

Remote clock offset: 0.664 ms

Below is generated by plot.py at 2019-08-27 01:30:53

Datalink statistics

-- Total of 3 flows:

Average throughput: 80.79 Mbit/s

95th percentile per-packet one-way delay: 18.462 ms

Loss rate: 1.82%

-- Flow 1:

Average throughput: 46.22 Mbit/s

95th percentile per-packet one-way delay: 15.466 ms

Loss rate: 1.04%

-- Flow 2:

Average throughput: 30.37 Mbit/s

95th percentile per-packet one-way delay: 18.619 ms

Loss rate: 1.59%

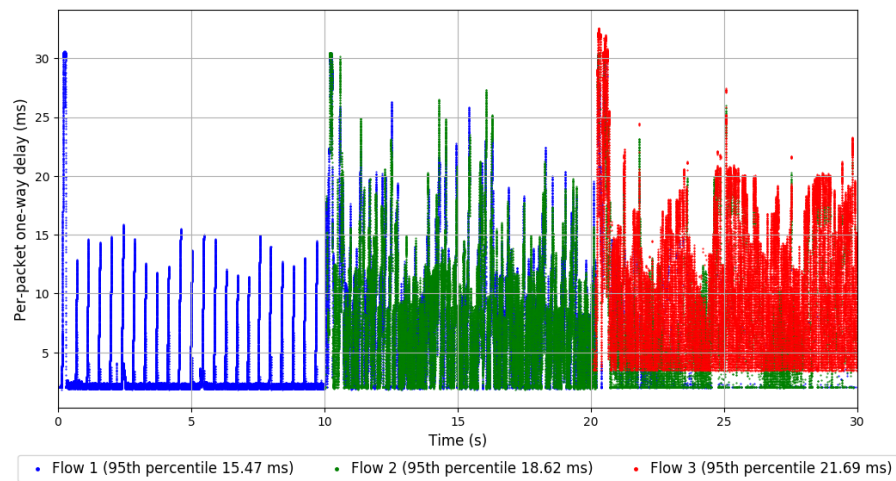
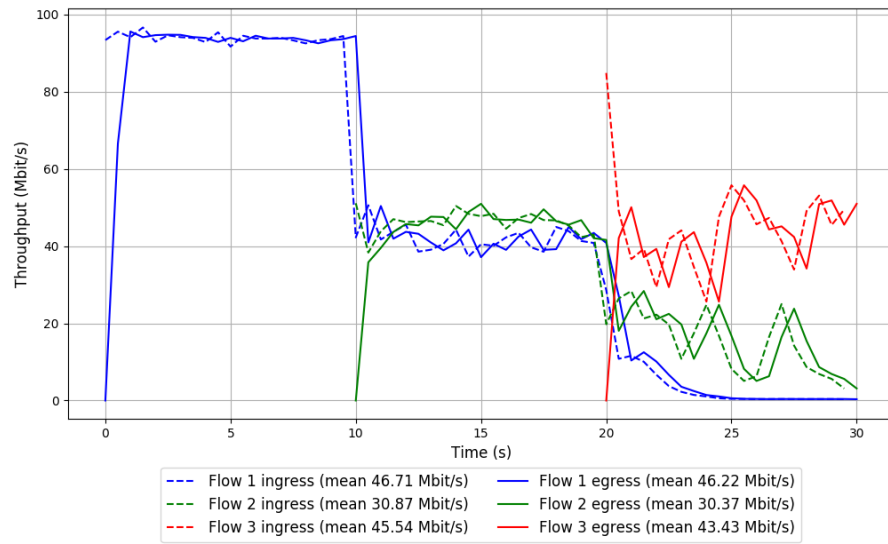
-- Flow 3:

Average throughput: 43.43 Mbit/s

95th percentile per-packet one-way delay: 21.690 ms

Loss rate: 4.56%

Run 3: Report of FillP-Sheep — Data Link



Run 4: Statistics of FillP-Sheep

Start at: 2019-08-27 00:42:07

End at: 2019-08-27 00:42:37

Local clock offset: -1.066 ms

Remote clock offset: 0.78 ms

Below is generated by plot.py at 2019-08-27 01:30:59

Datalink statistics

-- Total of 3 flows:

Average throughput: 79.83 Mbit/s

95th percentile per-packet one-way delay: 16.064 ms

Loss rate: 1.35%

-- Flow 1:

Average throughput: 54.03 Mbit/s

95th percentile per-packet one-way delay: 14.217 ms

Loss rate: 0.62%

-- Flow 2:

Average throughput: 29.60 Mbit/s

95th percentile per-packet one-way delay: 17.344 ms

Loss rate: 2.07%

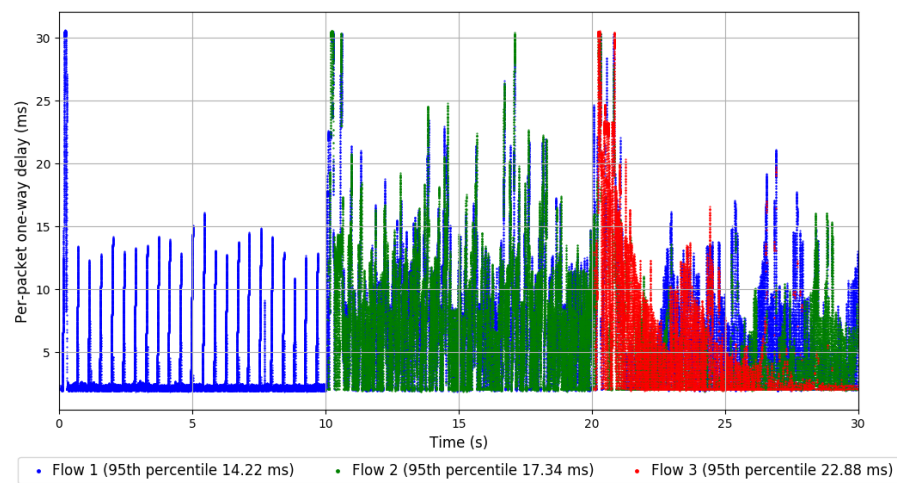
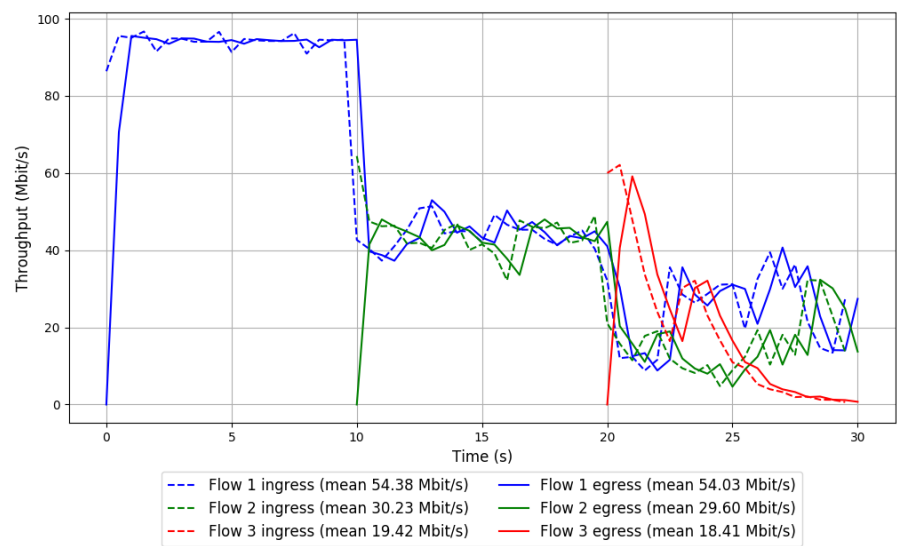
-- Flow 3:

Average throughput: 18.41 Mbit/s

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

Loss rate: 5.21%

Run 4: Report of FillP-Sheep — Data Link



Run 5: Statistics of FillP-Sheep

Start at: 2019-08-27 01:09:17

End at: 2019-08-27 01:09:47

Local clock offset: -0.992 ms

Remote clock offset: 0.9 ms

Below is generated by plot.py at 2019-08-27 01:31:04

Datalink statistics

-- Total of 3 flows:

Average throughput: 82.42 Mbit/s

95th percentile per-packet one-way delay: 18.507 ms

Loss rate: 1.16%

-- Flow 1:

Average throughput: 63.14 Mbit/s

95th percentile per-packet one-way delay: 18.031 ms

Loss rate: 0.62%

-- Flow 2:

Average throughput: 13.20 Mbit/s

95th percentile per-packet one-way delay: 18.913 ms

Loss rate: 0.78%

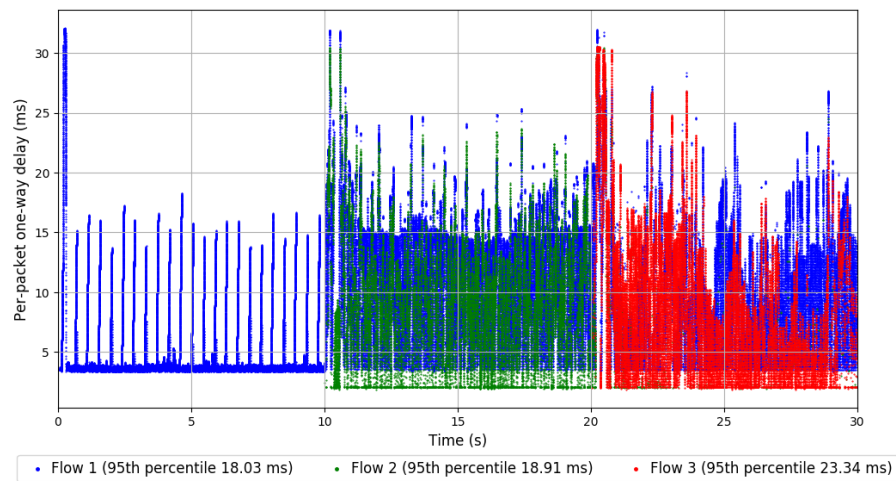
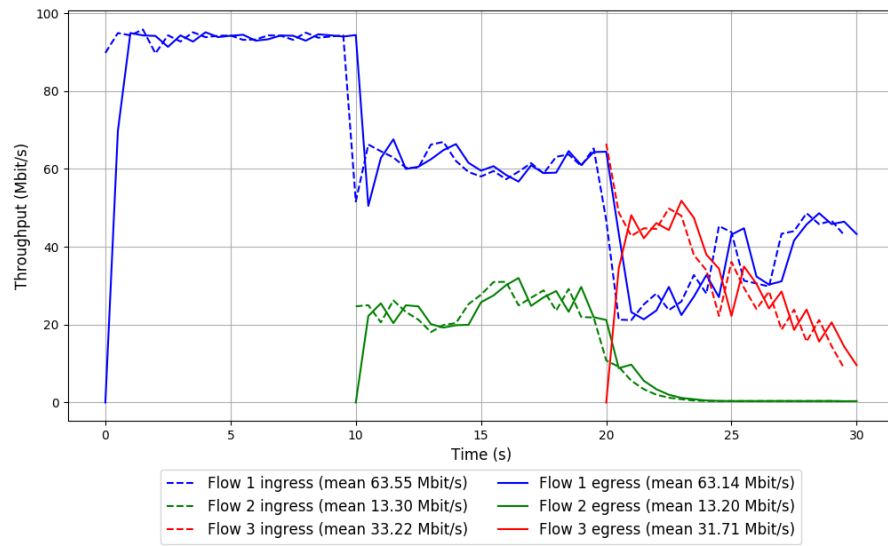
-- Flow 3:

Average throughput: 31.71 Mbit/s

95th percentile per-packet one-way delay: 23.336 ms

Loss rate: 4.58%

Run 5: Report of FillP-Sheep — Data Link

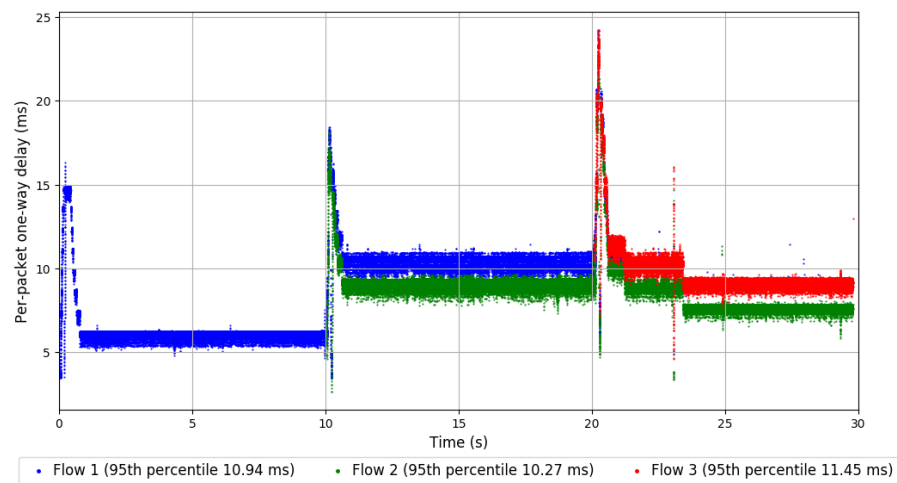
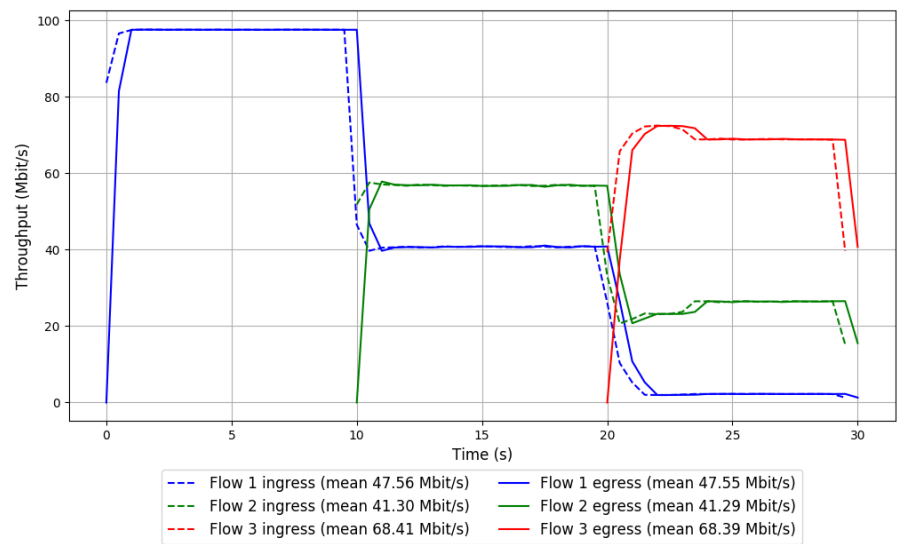


```
Run 1: Statistics of Indigo

Start at: 2019-08-26 23:13:48
End at: 2019-08-26 23:14:18
Local clock offset: -1.241 ms
Remote clock offset: 0.263 ms

# Below is generated by plot.py at 2019-08-27 01:31:06
# Datalink statistics
-- Total of 3 flows:
Average throughput: 97.25 Mbit/s
95th percentile per-packet one-way delay: 10.972 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 47.55 Mbit/s
95th percentile per-packet one-way delay: 10.937 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 41.29 Mbit/s
95th percentile per-packet one-way delay: 10.274 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 68.39 Mbit/s
95th percentile per-packet one-way delay: 11.450 ms
Loss rate: 0.01%
```

Run 1: Report of Indigo — Data Link

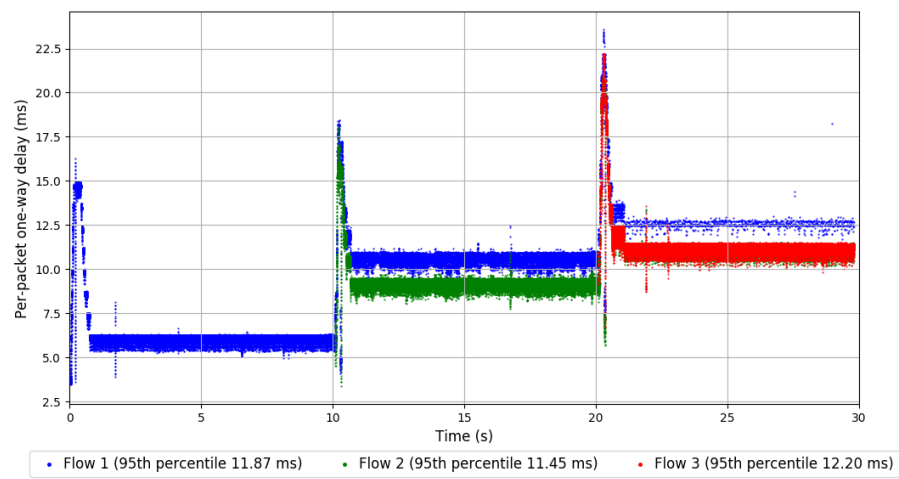
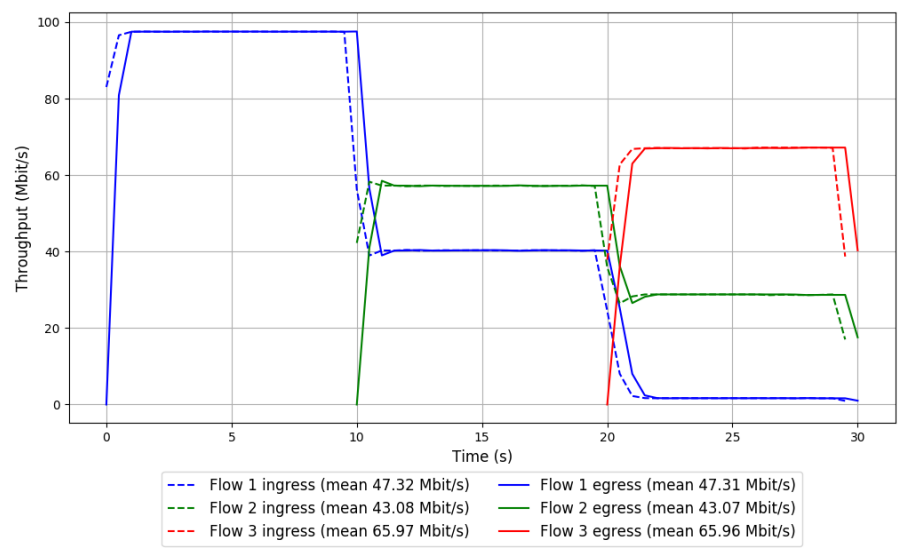


Run 2: Statistics of Indigo

Start at: 2019-08-26 23:41:00
End at: 2019-08-26 23:41:30
Local clock offset: -1.156 ms
Remote clock offset: 0.467 ms

Below is generated by plot.py at 2019-08-27 01:31:16
Datalink statistics
-- Total of 3 flows:
Average throughput: 97.25 Mbit/s
95th percentile per-packet one-way delay: 11.958 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 47.31 Mbit/s
95th percentile per-packet one-way delay: 11.866 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 43.07 Mbit/s
95th percentile per-packet one-way delay: 11.445 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 65.96 Mbit/s
95th percentile per-packet one-way delay: 12.203 ms
Loss rate: 0.00%

Run 2: Report of Indigo — Data Link

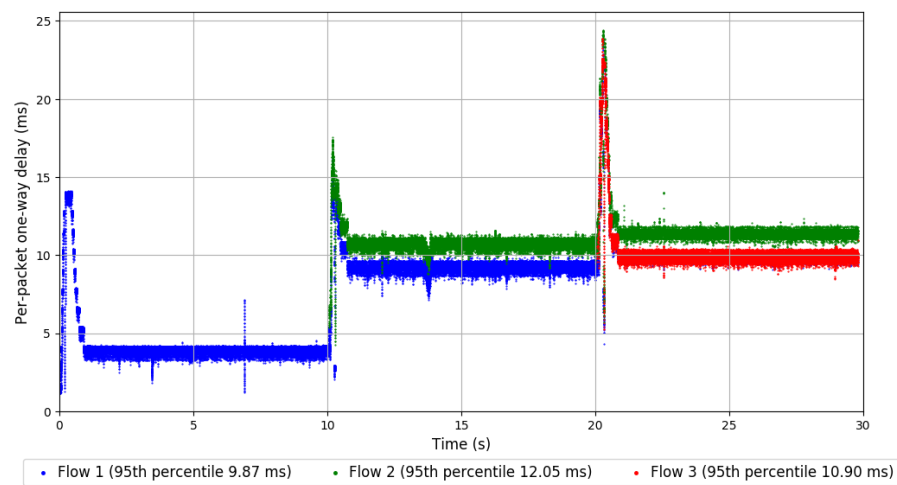
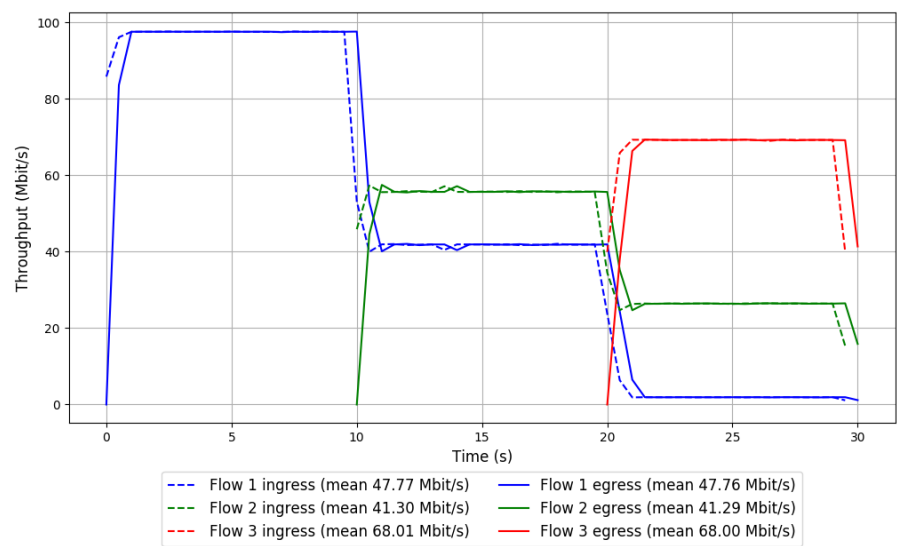


Run 3: Statistics of Indigo

Start at: 2019-08-27 00:08:09
End at: 2019-08-27 00:08:39
Local clock offset: -0.217 ms
Remote clock offset: 0.564 ms

```
# Below is generated by plot.py at 2019-08-27 01:31:18
# Datalink statistics
-- Total of 3 flows:
Average throughput: 97.29 Mbit/s
95th percentile per-packet one-way delay: 11.595 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 47.76 Mbit/s
95th percentile per-packet one-way delay: 9.870 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 41.29 Mbit/s
95th percentile per-packet one-way delay: 12.050 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 68.00 Mbit/s
95th percentile per-packet one-way delay: 10.905 ms
Loss rate: 0.00%
```

Run 3: Report of Indigo — Data Link



Run 4: Statistics of Indigo

Start at: 2019-08-27 00:35:19

End at: 2019-08-27 00:35:49

Local clock offset: -0.211 ms

Remote clock offset: 0.715 ms

Below is generated by plot.py at 2019-08-27 01:31:19

Datalink statistics

-- Total of 3 flows:

Average throughput: 97.26 Mbit/s

95th percentile per-packet one-way delay: 10.729 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 46.99 Mbit/s

95th percentile per-packet one-way delay: 10.285 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 43.88 Mbit/s

95th percentile per-packet one-way delay: 11.272 ms

Loss rate: 0.00%

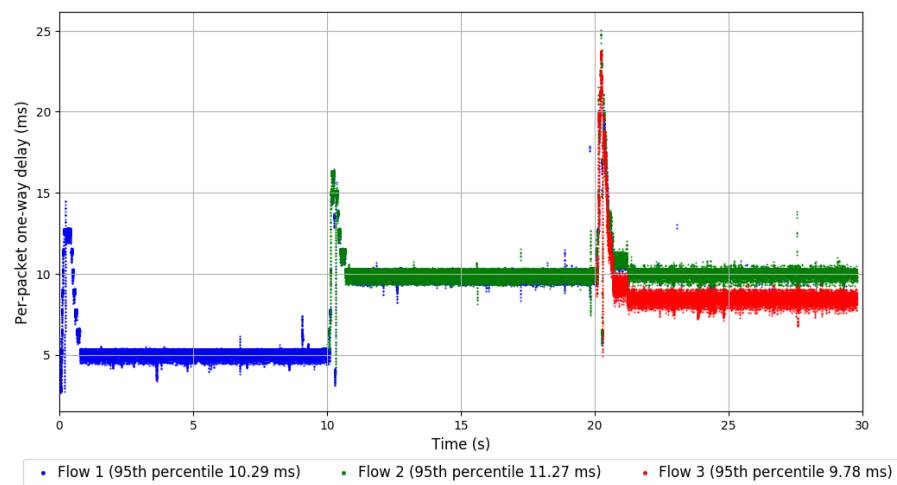
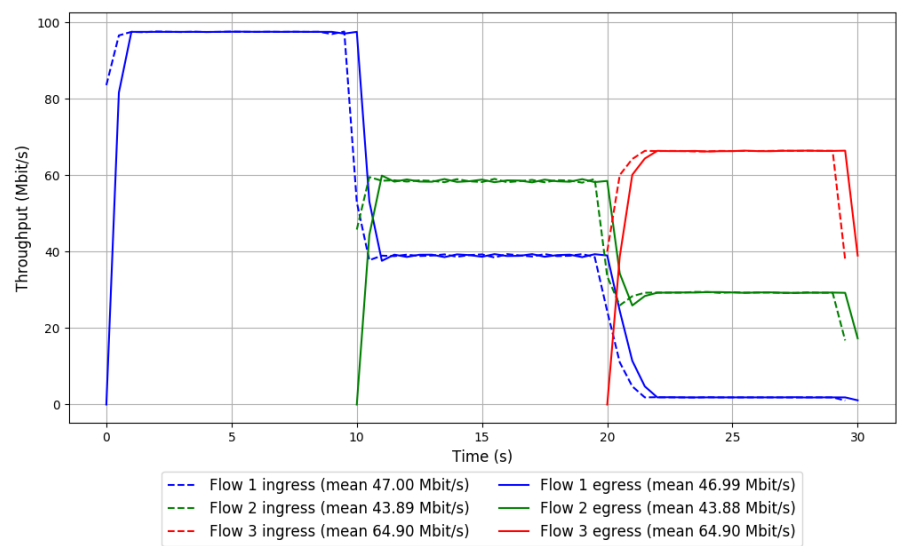
-- Flow 3:

Average throughput: 64.90 Mbit/s

95th percentile per-packet one-way delay: 9.781 ms

Loss rate: 0.00%

Run 4: Report of Indigo — Data Link



Run 5: Statistics of Indigo

Start at: 2019-08-27 01:02:28

End at: 2019-08-27 01:02:58

Local clock offset: -0.265 ms

Remote clock offset: 0.86 ms

Below is generated by plot.py at 2019-08-27 01:31:56

Datalink statistics

-- Total of 3 flows:

Average throughput: 97.29 Mbit/s

95th percentile per-packet one-way delay: 11.120 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 48.92 Mbit/s

95th percentile per-packet one-way delay: 9.588 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 36.34 Mbit/s

95th percentile per-packet one-way delay: 11.885 ms

Loss rate: 0.00%

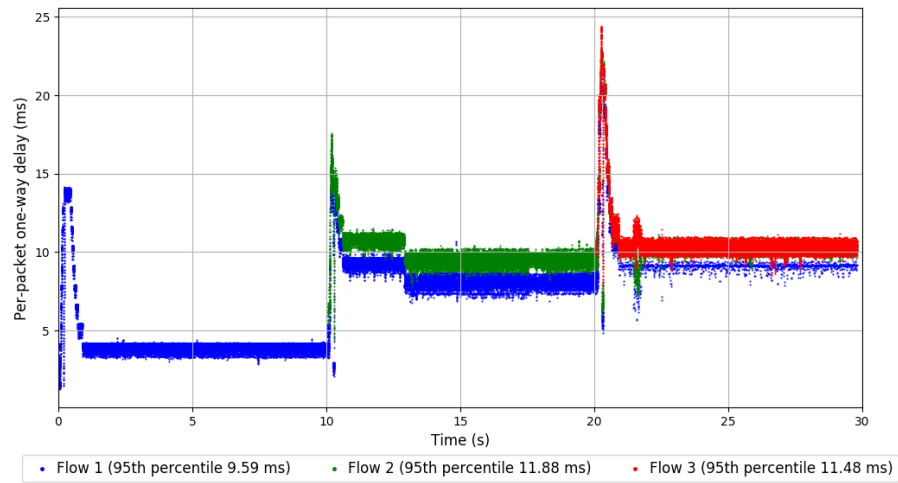
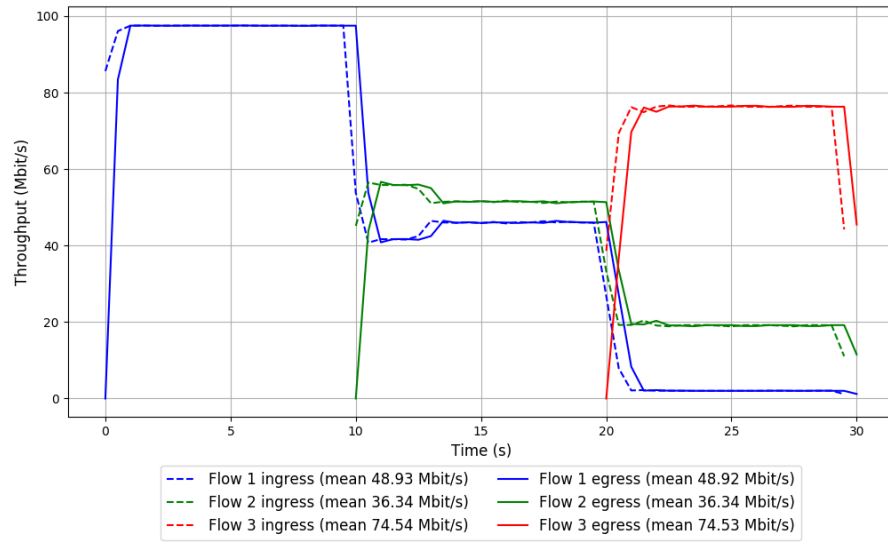
-- Flow 3:

Average throughput: 74.53 Mbit/s

95th percentile per-packet one-way delay: 11.481 ms

Loss rate: 0.02%

Run 5: Report of Indigo — Data Link



Run 1: Statistics of Indigo-MusesC3

Start at: 2019-08-26 23:29:36

End at: 2019-08-26 23:30:06

Local clock offset: -0.425 ms

Remote clock offset: 0.395 ms

Below is generated by plot.py at 2019-08-27 01:32:02

Datalink statistics

-- Total of 3 flows:

Average throughput: 96.65 Mbit/s

95th percentile per-packet one-way delay: 6.490 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 67.56 Mbit/s

95th percentile per-packet one-way delay: 6.322 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 26.85 Mbit/s

95th percentile per-packet one-way delay: 6.648 ms

Loss rate: 0.00%

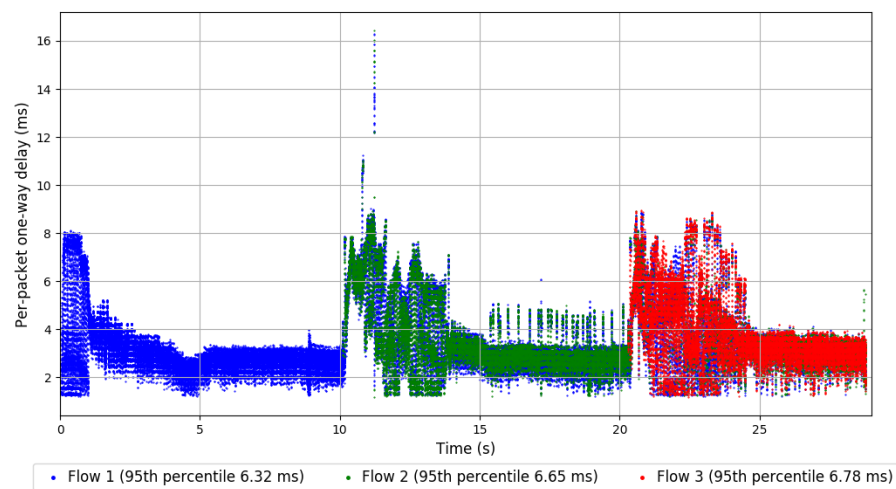
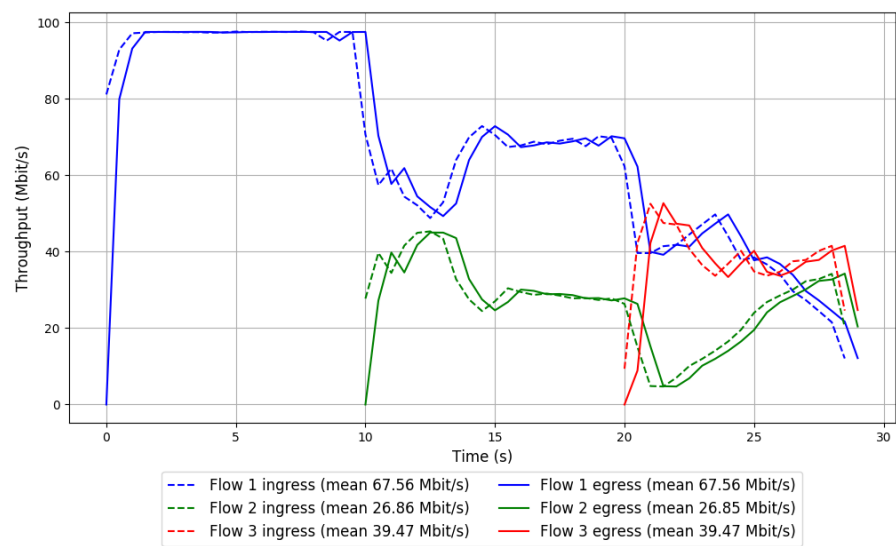
-- Flow 3:

Average throughput: 39.47 Mbit/s

95th percentile per-packet one-way delay: 6.783 ms

Loss rate: 0.00%

Run 1: Report of Indigo-MusesC3 — Data Link



Run 2: Statistics of Indigo-MusesC3

Start at: 2019-08-26 23:56:46

End at: 2019-08-26 23:57:16

Local clock offset: -0.267 ms

Remote clock offset: 0.54 ms

Below is generated by plot.py at 2019-08-27 01:32:03

Datalink statistics

-- Total of 3 flows:

Average throughput: 92.45 Mbit/s

95th percentile per-packet one-way delay: 6.828 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 57.93 Mbit/s

95th percentile per-packet one-way delay: 6.819 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 28.41 Mbit/s

95th percentile per-packet one-way delay: 7.213 ms

Loss rate: 0.01%

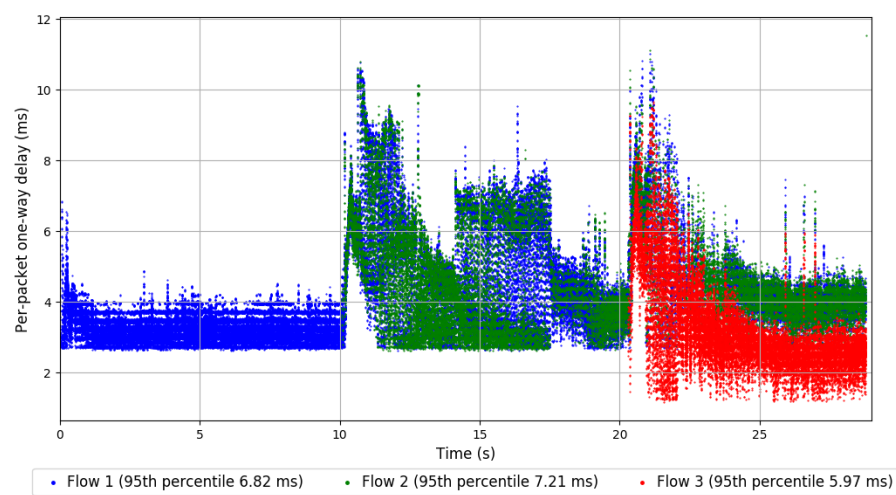
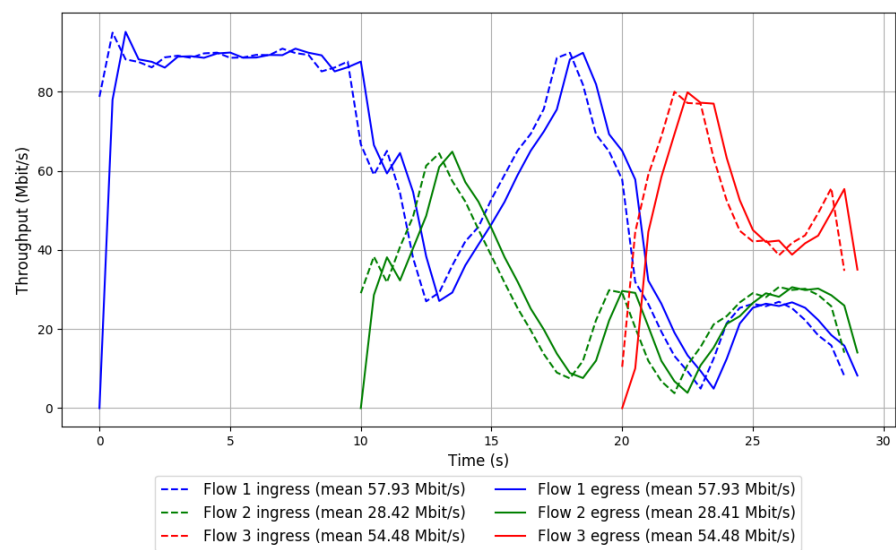
-- Flow 3:

Average throughput: 54.48 Mbit/s

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

Loss rate: 0.01%

Run 2: Report of Indigo-MusesC3 — Data Link



Run 3: Statistics of Indigo-MusesC3

Start at: 2019-08-27 00:23:56

End at: 2019-08-27 00:24:26

Local clock offset: -1.014 ms

Remote clock offset: 0.585 ms

Below is generated by plot.py at 2019-08-27 01:32:12

Datalink statistics

-- Total of 3 flows:

Average throughput: 96.96 Mbit/s

95th percentile per-packet one-way delay: 13.132 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 52.55 Mbit/s

95th percentile per-packet one-way delay: 11.890 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 55.41 Mbit/s

95th percentile per-packet one-way delay: 14.531 ms

Loss rate: 0.00%

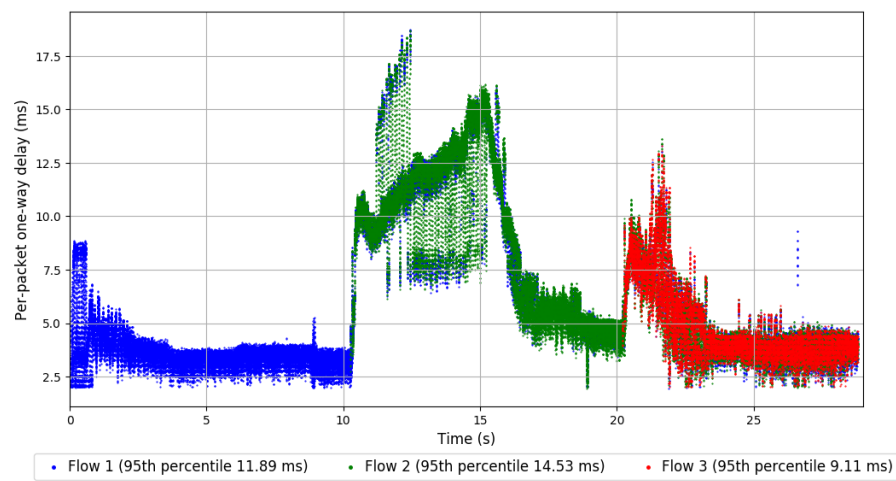
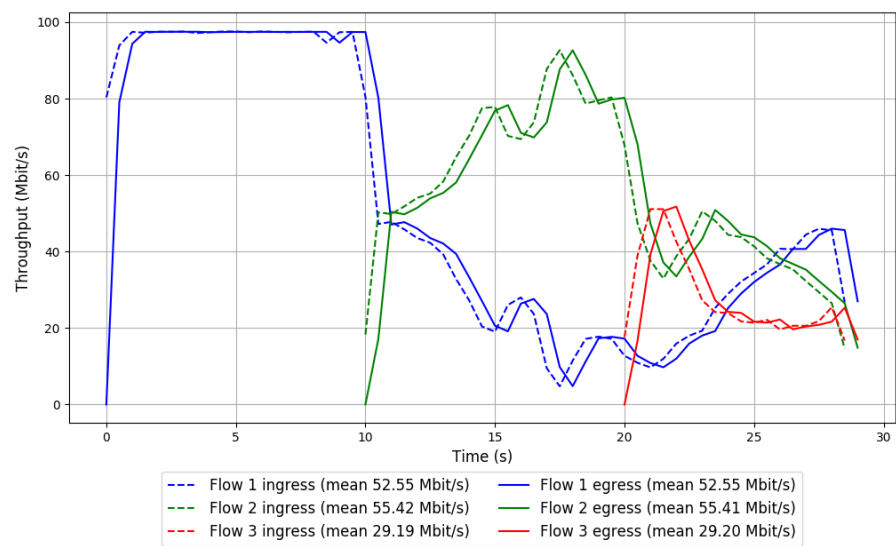
-- Flow 3:

Average throughput: 29.20 Mbit/s

95th percentile per-packet one-way delay: 9.109 ms

Loss rate: 0.00%

Run 3: Report of Indigo-MusesC3 — Data Link



Run 4: Statistics of Indigo-MusesC3

Start at: 2019-08-27 00:51:06

End at: 2019-08-27 00:51:36

Local clock offset: -0.21 ms

Remote clock offset: 0.931 ms

Below is generated by plot.py at 2019-08-27 01:32:14

Datalink statistics

-- Total of 3 flows:

Average throughput: 96.37 Mbit/s

95th percentile per-packet one-way delay: 14.996 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 46.55 Mbit/s

95th percentile per-packet one-way delay: 13.849 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 59.82 Mbit/s

95th percentile per-packet one-way delay: 15.781 ms

Loss rate: 0.00%

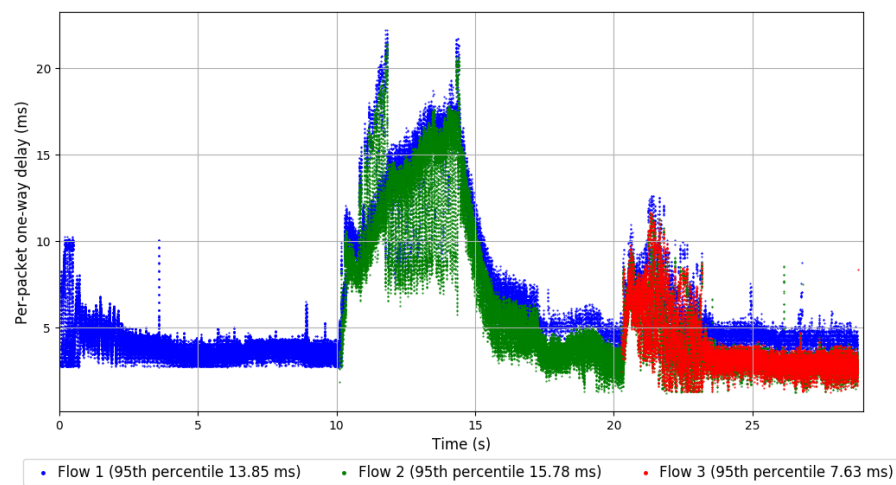
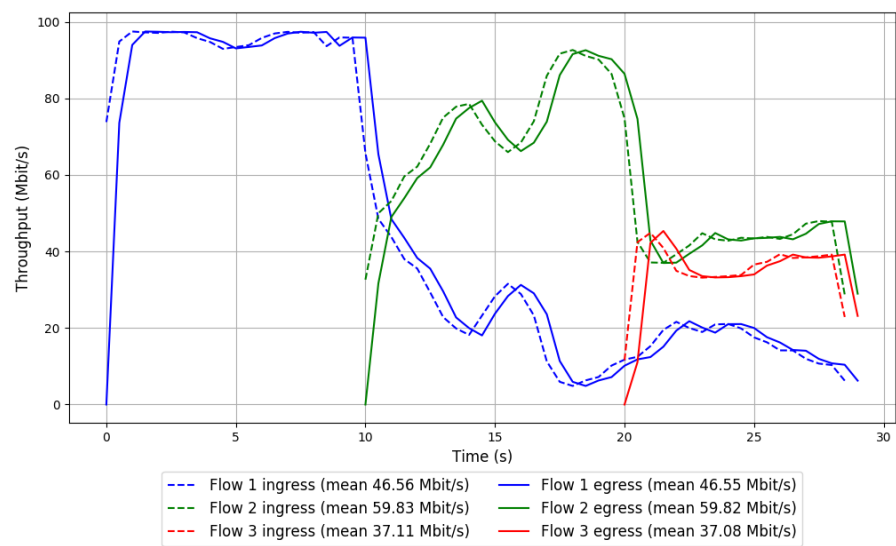
-- Flow 3:

Average throughput: 37.08 Mbit/s

95th percentile per-packet one-way delay: 7.633 ms

Loss rate: 0.00%

Run 4: Report of Indigo-MusesC3 — Data Link



Run 5: Statistics of Indigo-MusesC3

Start at: 2019-08-27 01:18:16

End at: 2019-08-27 01:18:46

Local clock offset: -1.044 ms

Remote clock offset: 0.911 ms

Below is generated by plot.py at 2019-08-27 01:32:23

Datalink statistics

-- Total of 3 flows:

Average throughput: 96.53 Mbit/s

95th percentile per-packet one-way delay: 7.841 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 75.45 Mbit/s

95th percentile per-packet one-way delay: 6.827 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 21.86 Mbit/s

95th percentile per-packet one-way delay: 8.913 ms

Loss rate: 0.01%

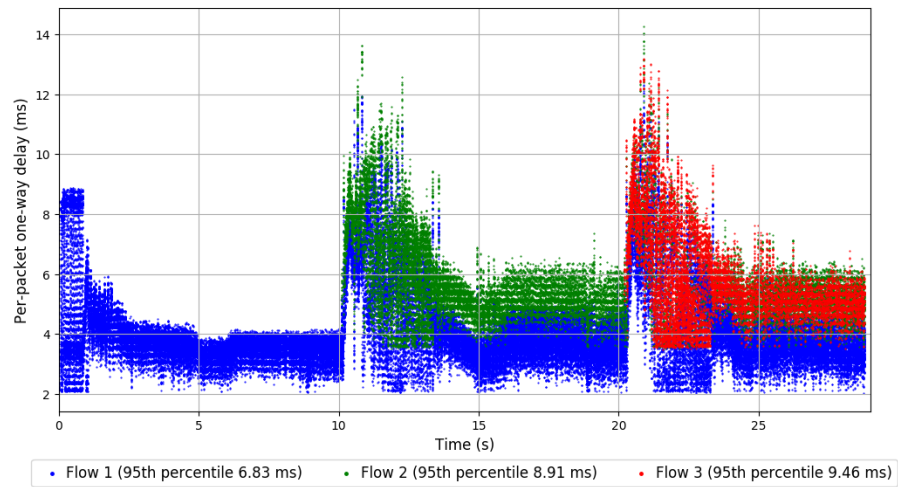
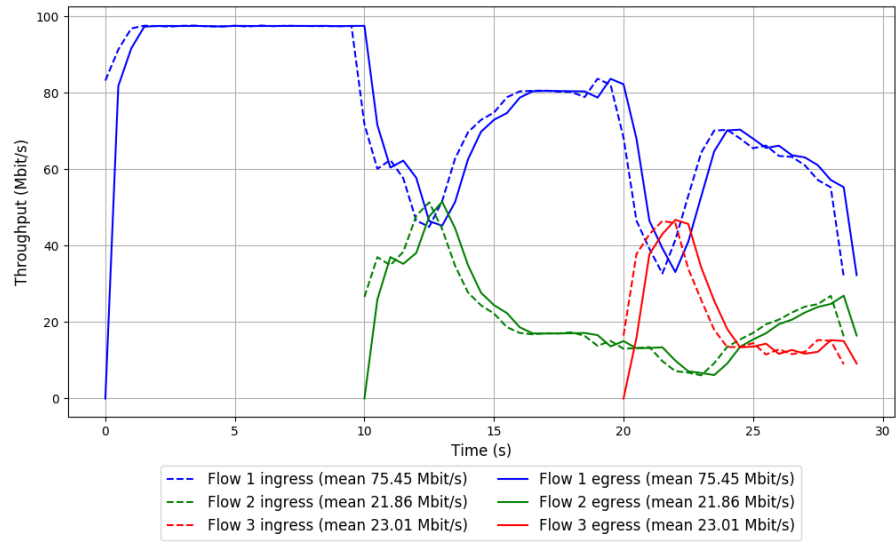
-- Flow 3:

Average throughput: 23.01 Mbit/s

95th percentile per-packet one-way delay: 9.457 ms

Loss rate: 0.00%

Run 5: Report of Indigo-MusesC3 — Data Link



Run 1: Statistics of Indigo-MusesC5

Start at: 2019-08-26 23:24:02

End at: 2019-08-26 23:24:32

Local clock offset: -1.208 ms

Remote clock offset: 0.296 ms

Below is generated by plot.py at 2019-08-27 01:32:23

Datalink statistics

-- Total of 3 flows:

Average throughput: 76.82 Mbit/s

95th percentile per-packet one-way delay: 21.986 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 41.41 Mbit/s

95th percentile per-packet one-way delay: 20.978 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 39.39 Mbit/s

95th percentile per-packet one-way delay: 22.049 ms

Loss rate: 0.00%

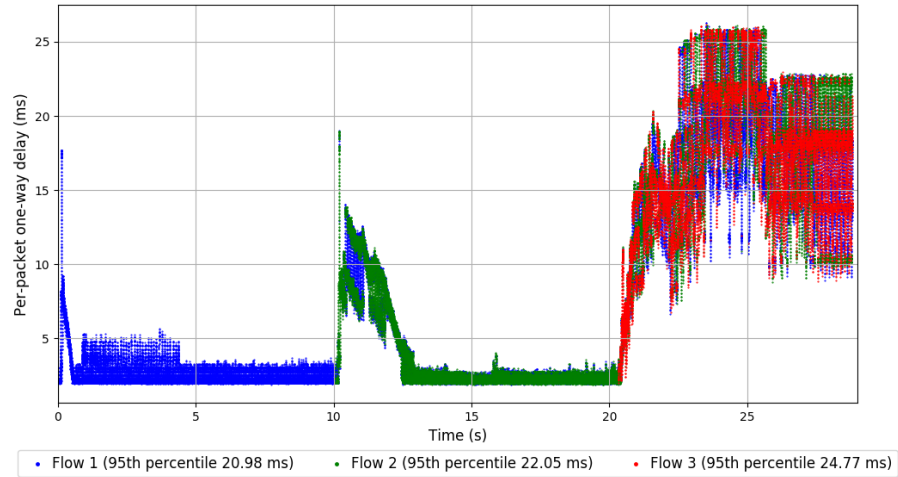
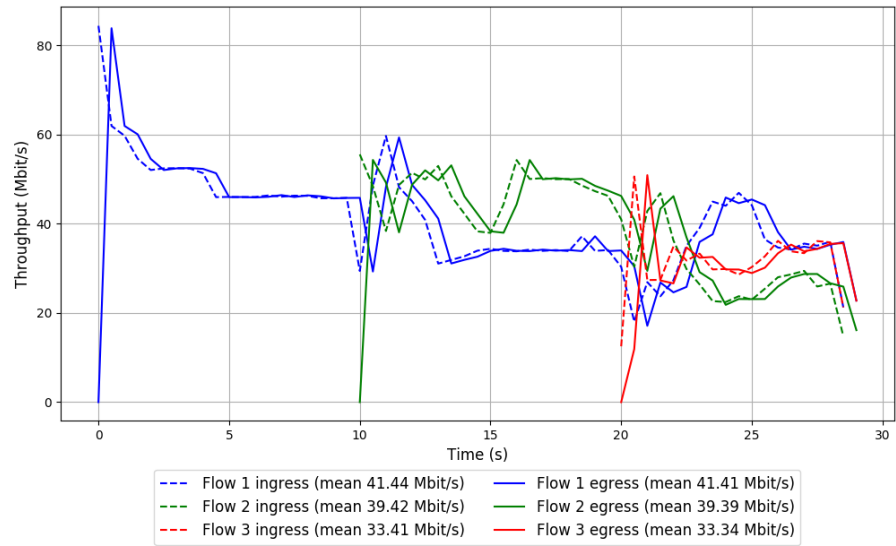
-- Flow 3:

Average throughput: 33.34 Mbit/s

95th percentile per-packet one-way delay: 24.775 ms

Loss rate: 0.00%

Run 1: Report of Indigo-MusesC5 — Data Link



Run 2: Statistics of Indigo-MusesC5

Start at: 2019-08-26 23:51:13

End at: 2019-08-26 23:51:43

Local clock offset: -1.092 ms

Remote clock offset: 0.478 ms

Below is generated by plot.py at 2019-08-27 01:32:23

Datalink statistics

-- Total of 3 flows:

Average throughput: 73.35 Mbit/s

95th percentile per-packet one-way delay: 20.927 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 42.08 Mbit/s

95th percentile per-packet one-way delay: 18.760 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 32.79 Mbit/s

95th percentile per-packet one-way delay: 21.581 ms

Loss rate: 0.00%

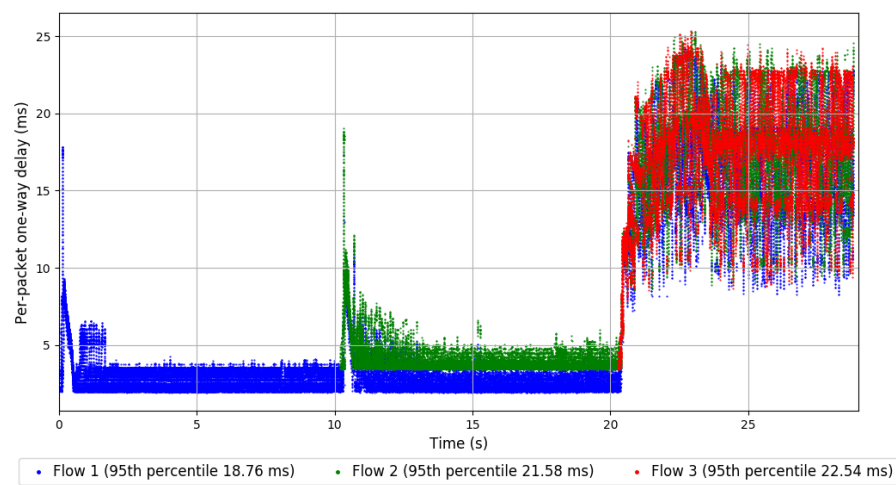
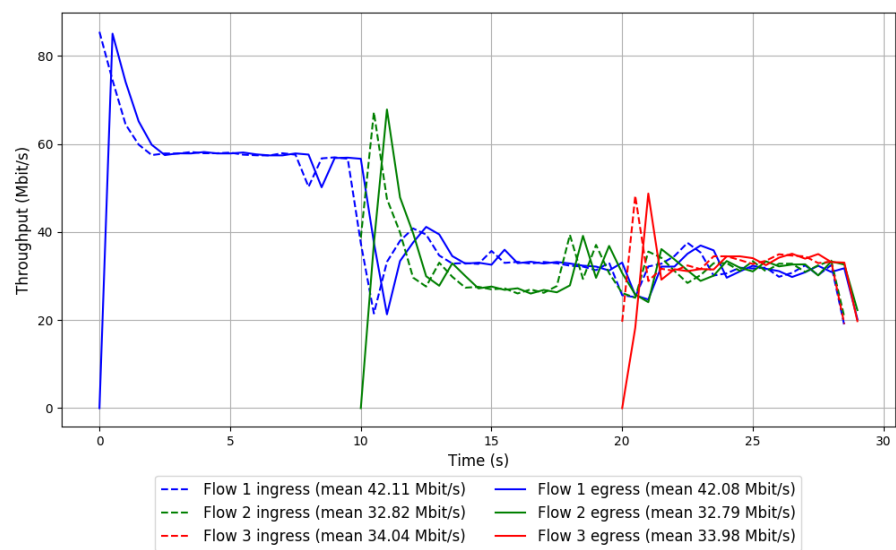
-- Flow 3:

Average throughput: 33.98 Mbit/s

95th percentile per-packet one-way delay: 22.541 ms

Loss rate: 0.03%

Run 2: Report of Indigo-MusesC5 — Data Link



Run 3: Statistics of Indigo-MusesC5

Start at: 2019-08-27 00:18:22

End at: 2019-08-27 00:18:52

Local clock offset: -0.194 ms

Remote clock offset: 0.637 ms

Below is generated by plot.py at 2019-08-27 01:32:34

Datalink statistics

-- Total of 3 flows:

Average throughput: 57.35 Mbit/s

95th percentile per-packet one-way delay: 5.079 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 31.83 Mbit/s

95th percentile per-packet one-way delay: 5.037 ms

Loss rate: 0.01%

-- Flow 2:

Average throughput: 27.97 Mbit/s

95th percentile per-packet one-way delay: 5.158 ms

Loss rate: 0.00%

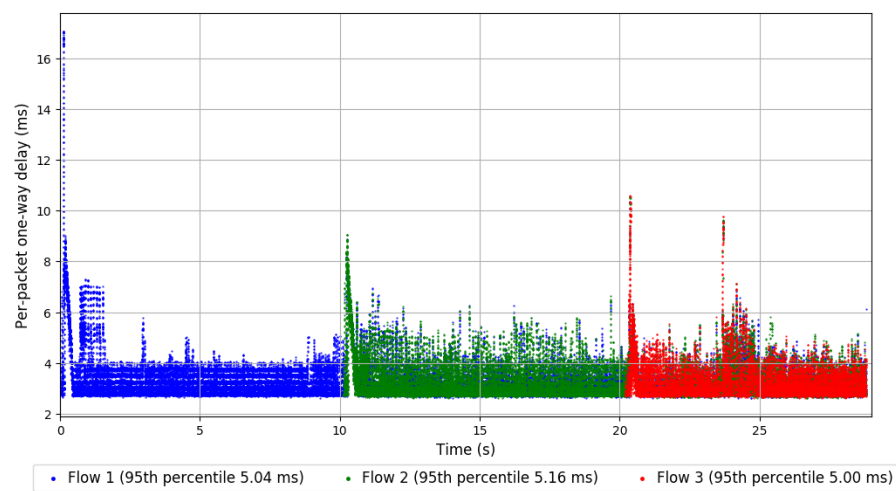
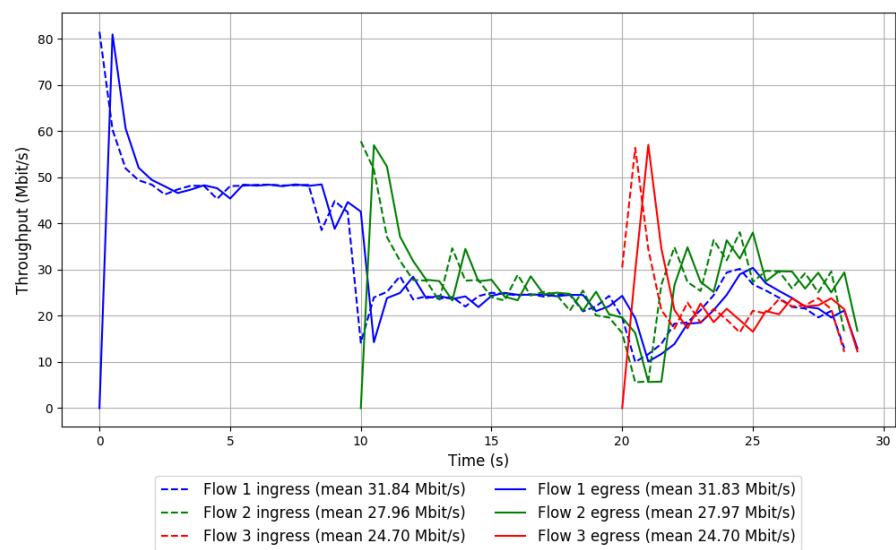
-- Flow 3:

Average throughput: 24.70 Mbit/s

95th percentile per-packet one-way delay: 5.000 ms

Loss rate: 0.01%

Run 3: Report of Indigo-MusesC5 — Data Link



Run 4: Statistics of Indigo-MusesC5

Start at: 2019-08-27 00:45:32

End at: 2019-08-27 00:46:02

Local clock offset: -0.984 ms

Remote clock offset: 0.822 ms

Below is generated by plot.py at 2019-08-27 01:32:55

Datalink statistics

-- Total of 3 flows:

Average throughput: 74.06 Mbit/s

95th percentile per-packet one-way delay: 23.306 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 42.64 Mbit/s

95th percentile per-packet one-way delay: 21.577 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 30.94 Mbit/s

95th percentile per-packet one-way delay: 23.804 ms

Loss rate: 0.00%

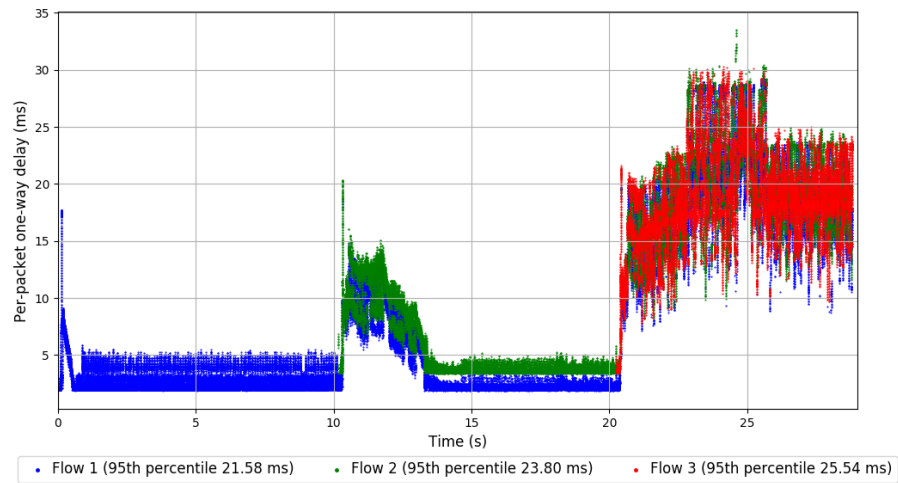
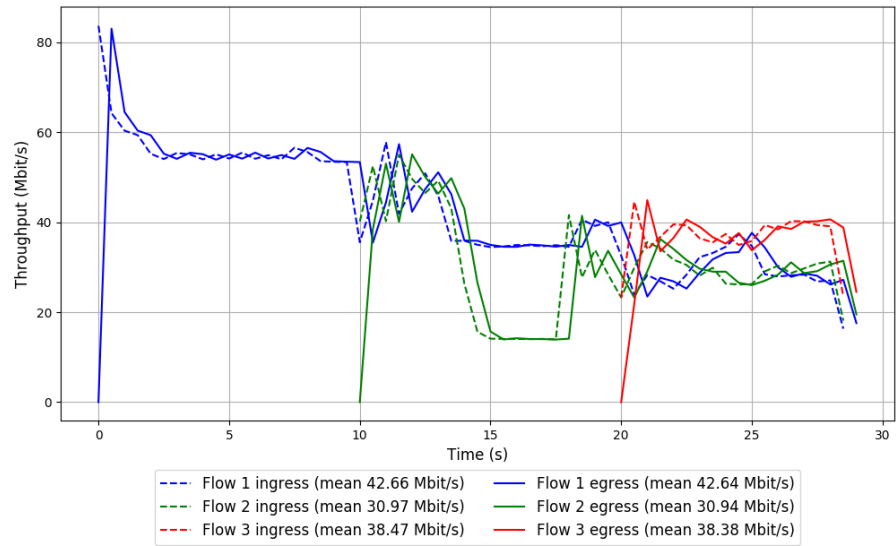
-- Flow 3:

Average throughput: 38.38 Mbit/s

95th percentile per-packet one-way delay: 25.543 ms

Loss rate: 0.00%

Run 4: Report of Indigo-MusesC5 — Data Link



Run 5: Statistics of Indigo-MusesC5

Start at: 2019-08-27 01:12:42

End at: 2019-08-27 01:13:12

Local clock offset: -0.215 ms

Remote clock offset: 0.894 ms

Below is generated by plot.py at 2019-08-27 01:32:55

Datalink statistics

-- Total of 3 flows:

Average throughput: 69.01 Mbit/s

95th percentile per-packet one-way delay: 26.176 ms

Loss rate: 0.04%

-- Flow 1:

Average throughput: 34.51 Mbit/s

95th percentile per-packet one-way delay: 24.697 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 35.30 Mbit/s

95th percentile per-packet one-way delay: 27.661 ms

Loss rate: 0.00%

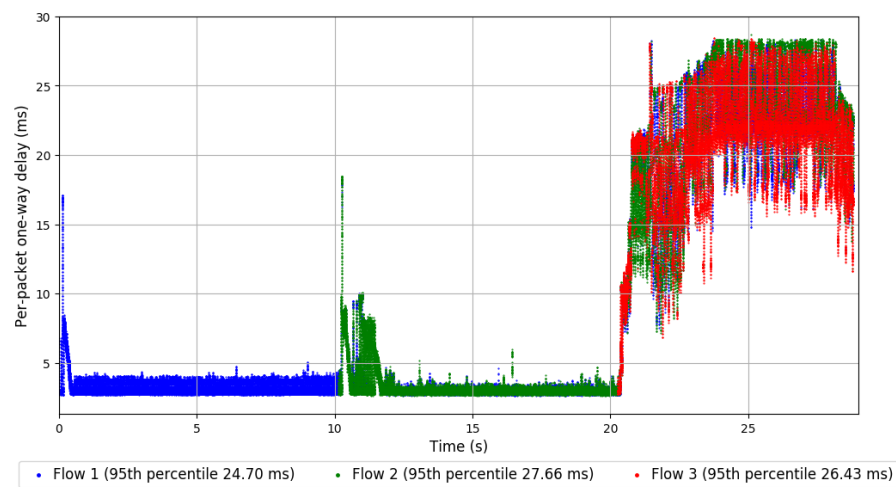
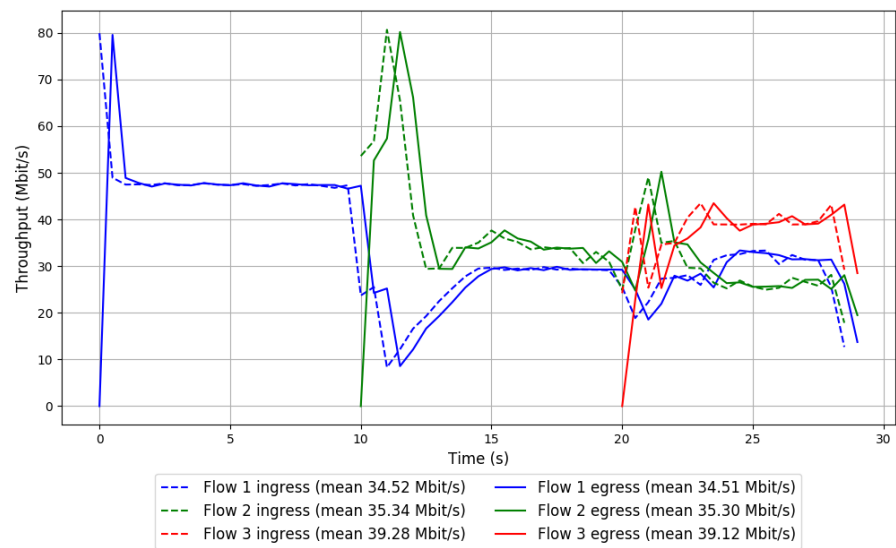
-- Flow 3:

Average throughput: 39.12 Mbit/s

95th percentile per-packet one-way delay: 26.430 ms

Loss rate: 0.21%

Run 5: Report of Indigo-MusesC5 — Data Link

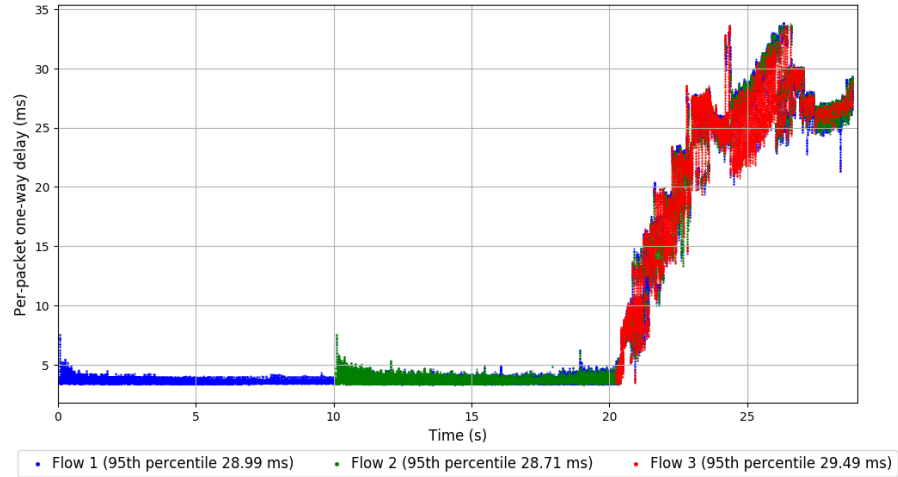
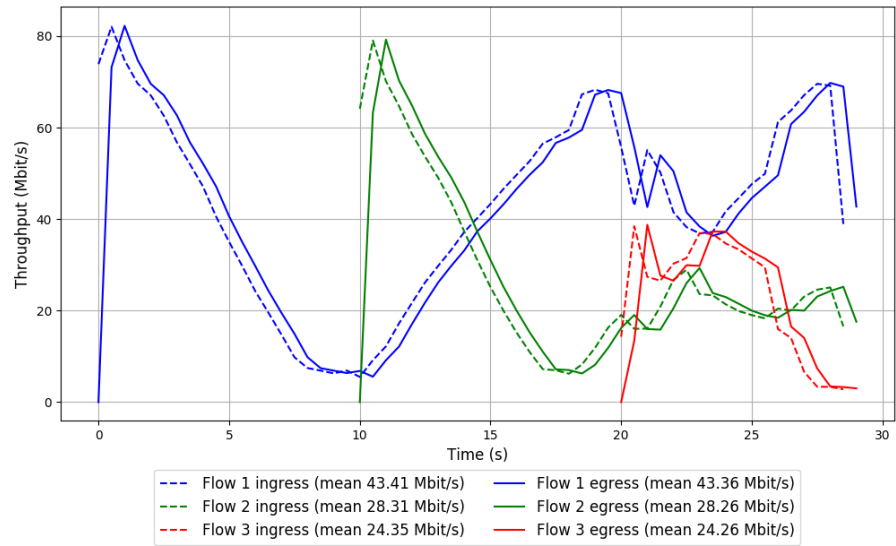



```
Run 1: Statistics of Indigo-MusesD

Start at: 2019-08-26 23:19:29
End at: 2019-08-26 23:19:59
Local clock offset: -1.214 ms
Remote clock offset: 0.247 ms

# Below is generated by plot.py at 2019-08-27 01:32:59
# Datalink statistics
-- Total of 3 flows:
Average throughput: 69.01 Mbit/s
95th percentile per-packet one-way delay: 28.980 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 43.36 Mbit/s
95th percentile per-packet one-way delay: 28.994 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 28.26 Mbit/s
95th percentile per-packet one-way delay: 28.714 ms
Loss rate: 0.04%
-- Flow 3:
Average throughput: 24.26 Mbit/s
95th percentile per-packet one-way delay: 29.490 ms
Loss rate: 0.11%
```

Run 1: Report of Indigo-MusesD — Data Link



Run 2: Statistics of Indigo-MusesD

Start at: 2019-08-26 23:46:40

End at: 2019-08-26 23:47:10

Local clock offset: -0.315 ms

Remote clock offset: 0.494 ms

Below is generated by plot.py at 2019-08-27 01:32:59

Datalink statistics

-- Total of 3 flows:

Average throughput: 68.78 Mbit/s

95th percentile per-packet one-way delay: 30.013 ms

Loss rate: 0.08%

-- Flow 1:

Average throughput: 43.98 Mbit/s

95th percentile per-packet one-way delay: 29.964 ms

Loss rate: 0.07%

-- Flow 2:

Average throughput: 25.99 Mbit/s

95th percentile per-packet one-way delay: 30.319 ms

Loss rate: 0.05%

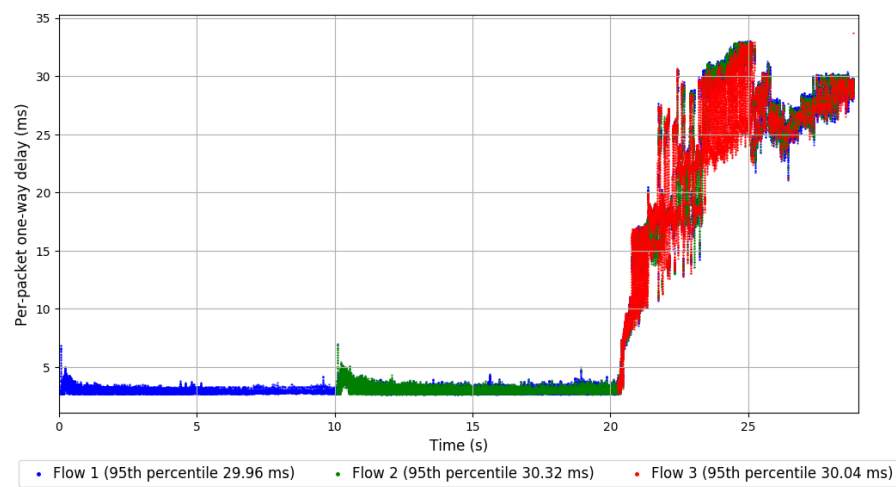
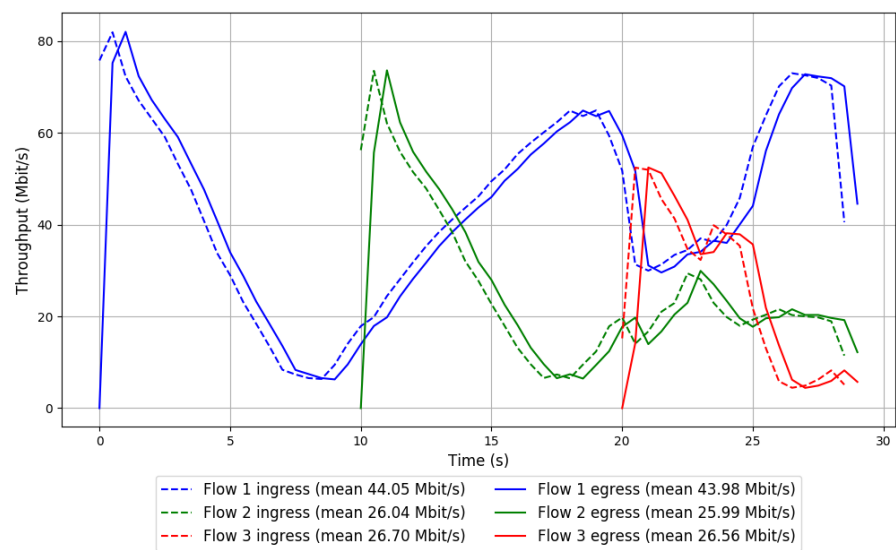
-- Flow 3:

Average throughput: 26.56 Mbit/s

95th percentile per-packet one-way delay: 30.044 ms

Loss rate: 0.17%

Run 2: Report of Indigo-MusesD — Data Link



Run 3: Statistics of Indigo-MusesD

Start at: 2019-08-27 00:13:50

End at: 2019-08-27 00:14:20

Local clock offset: -0.216 ms

Remote clock offset: 0.605 ms

Below is generated by plot.py at 2019-08-27 01:33:03

Datalink statistics

-- Total of 3 flows:

Average throughput: 72.36 Mbit/s

95th percentile per-packet one-way delay: 30.470 ms

Loss rate: 0.92%

-- Flow 1:

Average throughput: 26.77 Mbit/s

95th percentile per-packet one-way delay: 28.749 ms

Loss rate: 0.41%

-- Flow 2:

Average throughput: 60.12 Mbit/s

95th percentile per-packet one-way delay: 30.082 ms

Loss rate: 0.51%

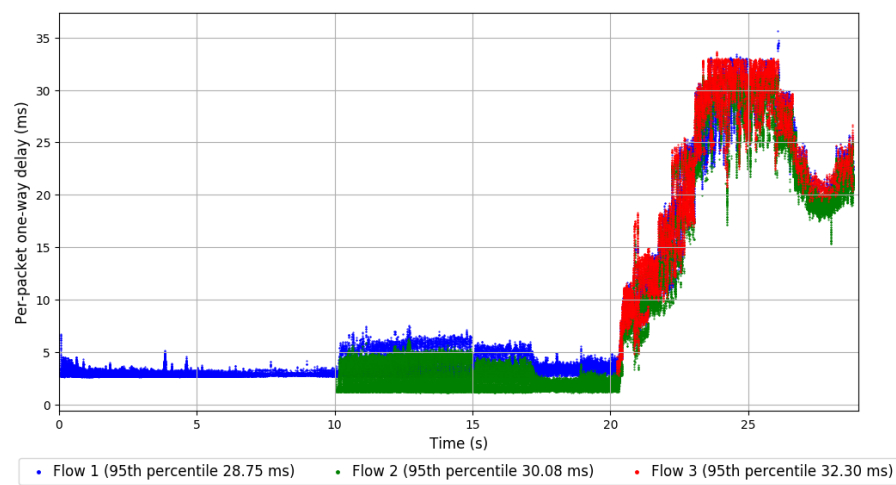
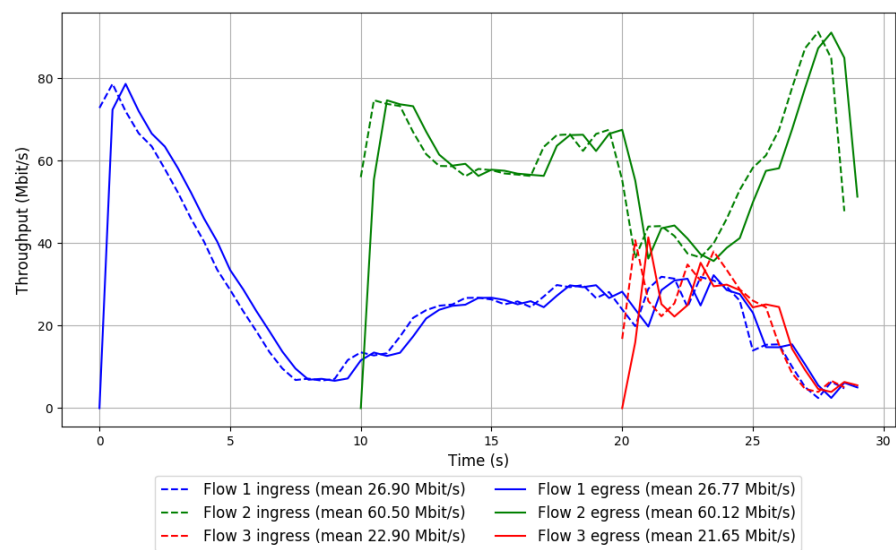
-- Flow 3:

Average throughput: 21.65 Mbit/s

95th percentile per-packet one-way delay: 32.299 ms

Loss rate: 5.23%

Run 3: Report of Indigo-MusesD — Data Link



Run 4: Statistics of Indigo-MusesD

Start at: 2019-08-27 00:40:59

End at: 2019-08-27 00:41:29

Local clock offset: -0.193 ms

Remote clock offset: 0.793 ms

Below is generated by plot.py at 2019-08-27 01:33:03

Datalink statistics

-- Total of 3 flows:

Average throughput: 68.73 Mbit/s

95th percentile per-packet one-way delay: 29.874 ms

Loss rate: 0.01%

-- Flow 1:

Average throughput: 44.23 Mbit/s

95th percentile per-packet one-way delay: 30.019 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 27.80 Mbit/s

95th percentile per-packet one-way delay: 29.474 ms

Loss rate: 0.02%

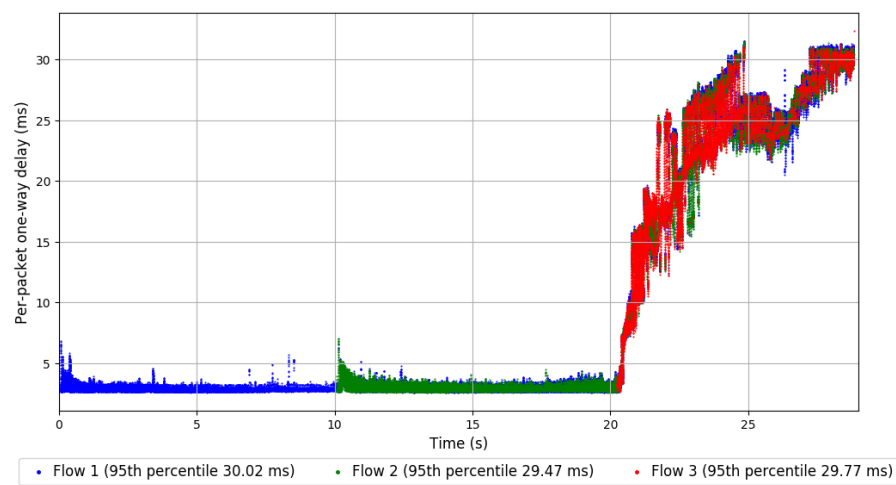
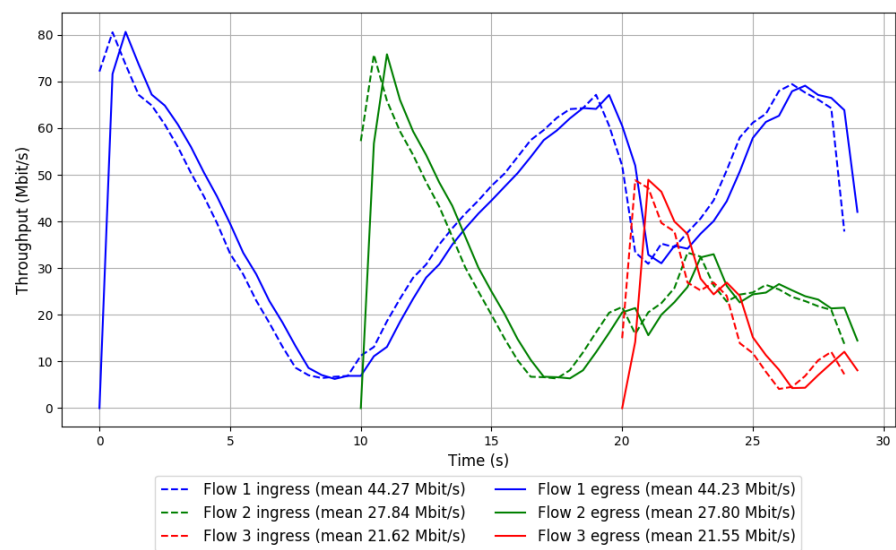
-- Flow 3:

Average throughput: 21.55 Mbit/s

95th percentile per-packet one-way delay: 29.769 ms

Loss rate: 0.00%

Run 4: Report of Indigo-MusesD — Data Link



Run 5: Statistics of Indigo-MusesD

Start at: 2019-08-27 01:08:08

End at: 2019-08-27 01:08:39

Local clock offset: -1.027 ms

Remote clock offset: 0.859 ms

Below is generated by plot.py at 2019-08-27 01:33:20

Datalink statistics

-- Total of 3 flows:

Average throughput: 87.19 Mbit/s

95th percentile per-packet one-way delay: 18.400 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 60.93 Mbit/s

95th percentile per-packet one-way delay: 16.920 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 28.24 Mbit/s

95th percentile per-packet one-way delay: 19.245 ms

Loss rate: 0.01%

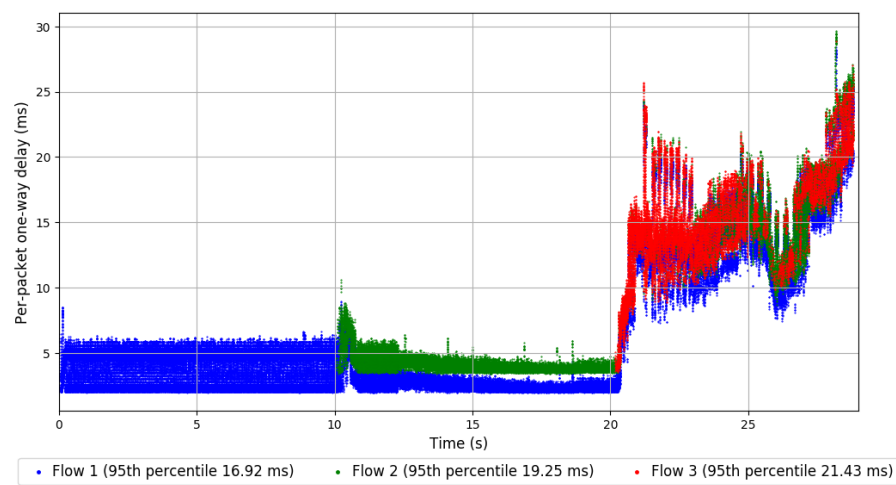
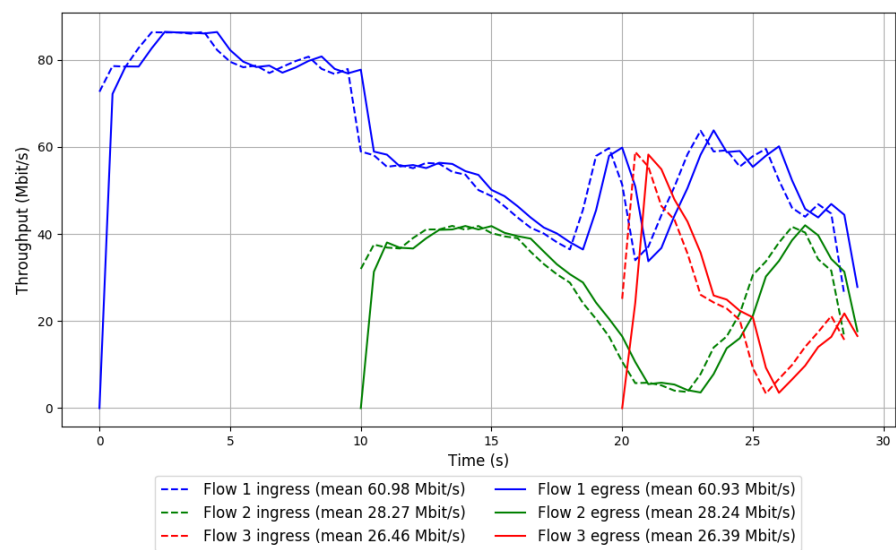
-- Flow 3:

Average throughput: 26.39 Mbit/s

95th percentile per-packet one-way delay: 21.434 ms

Loss rate: 0.00%

Run 5: Report of Indigo-MusesD — Data Link



Run 1: Statistics of Indigo-MusesT

Start at: 2019-08-26 23:25:10

End at: 2019-08-26 23:25:40

Local clock offset: -1.184 ms

Remote clock offset: 0.281 ms

Below is generated by plot.py at 2019-08-27 01:33:40

Datalink statistics

-- Total of 3 flows:

Average throughput: 96.61 Mbit/s

95th percentile per-packet one-way delay: 21.579 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 60.09 Mbit/s

95th percentile per-packet one-way delay: 19.213 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 48.86 Mbit/s

95th percentile per-packet one-way delay: 23.444 ms

Loss rate: 0.01%

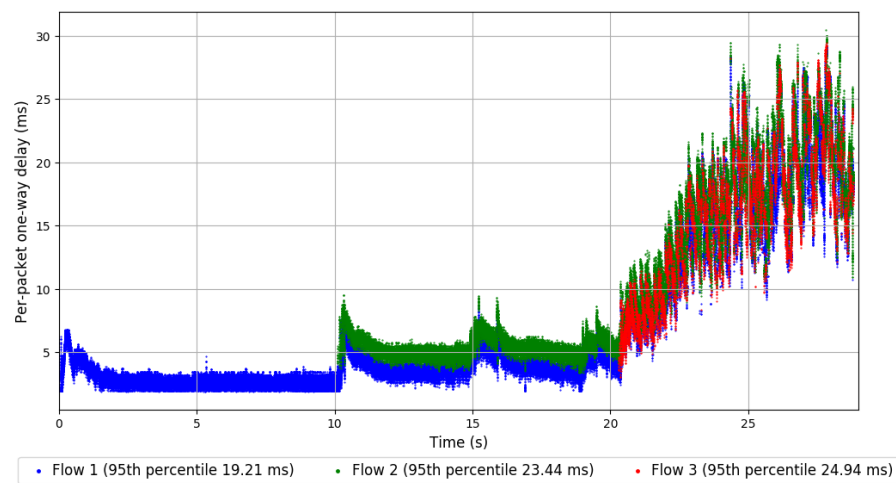
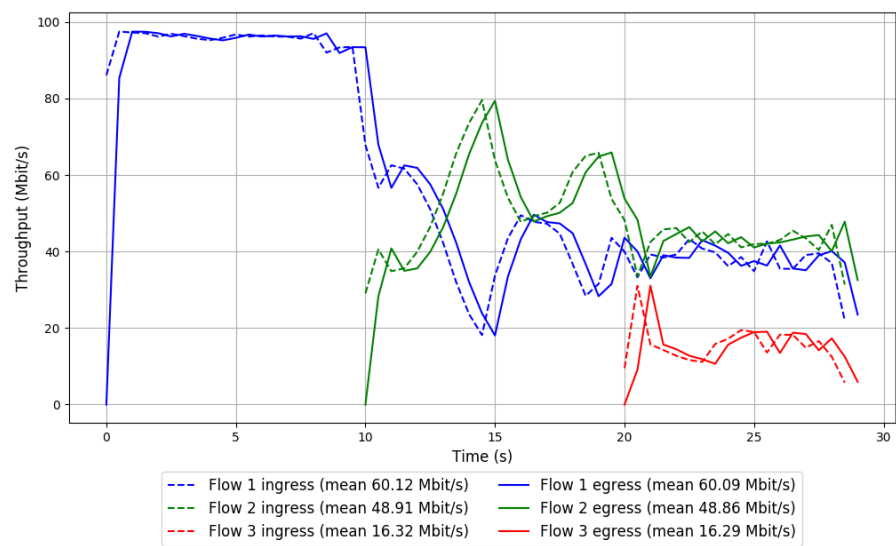
-- Flow 3:

Average throughput: 16.29 Mbit/s

95th percentile per-packet one-way delay: 24.938 ms

Loss rate: 0.00%

Run 1: Report of Indigo-MusesT — Data Link



Run 2: Statistics of Indigo-MusesT

Start at: 2019-08-26 23:52:21

End at: 2019-08-26 23:52:51

Local clock offset: -0.282 ms

Remote clock offset: 0.511 ms

Below is generated by plot.py at 2019-08-27 01:33:59

Datalink statistics

-- Total of 3 flows:

Average throughput: 96.26 Mbit/s

95th percentile per-packet one-way delay: 25.481 ms

Loss rate: 0.24%

-- Flow 1:

Average throughput: 58.44 Mbit/s

95th percentile per-packet one-way delay: 22.635 ms

Loss rate: 0.15%

-- Flow 2:

Average throughput: 45.84 Mbit/s

95th percentile per-packet one-way delay: 25.751 ms

Loss rate: 0.18%

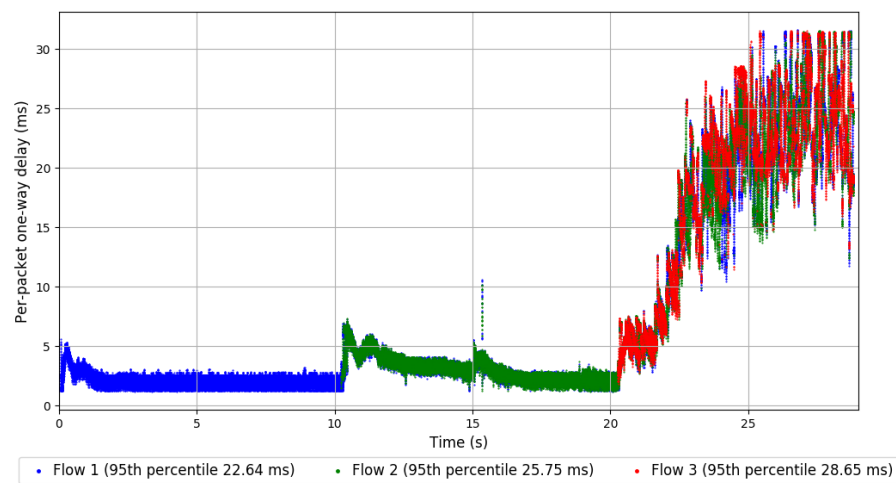
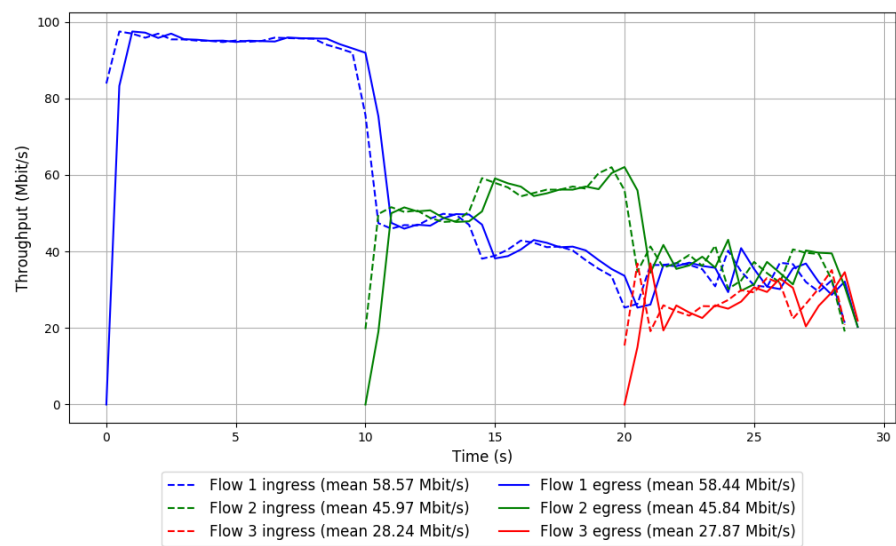
-- Flow 3:

Average throughput: 27.87 Mbit/s

95th percentile per-packet one-way delay: 28.649 ms

Loss rate: 1.13%

Run 2: Report of Indigo-MusesT — Data Link

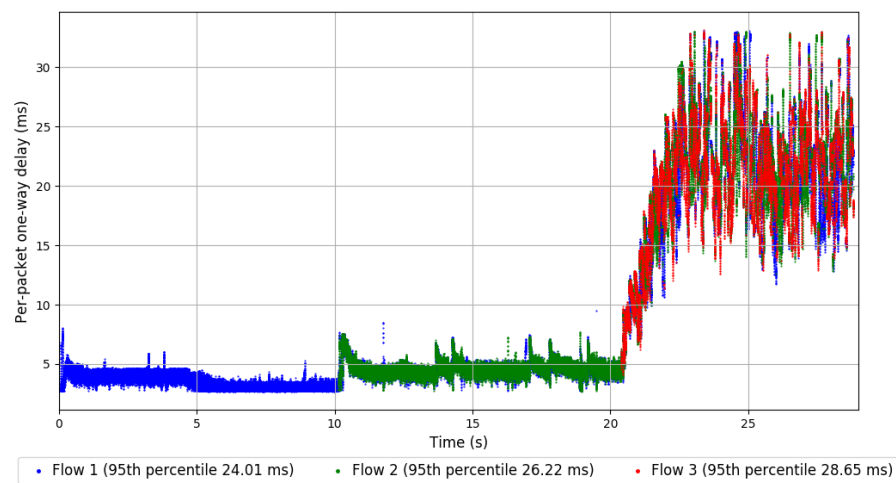
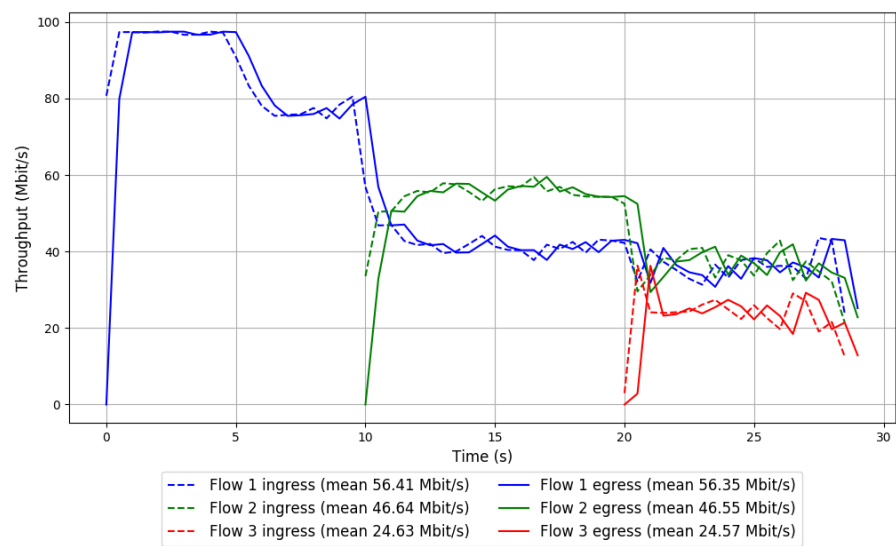


Run 3: Statistics of Indigo-MusesT

Start at: 2019-08-27 00:19:30
End at: 2019-08-27 00:20:00
Local clock offset: -0.197 ms
Remote clock offset: 0.642 ms

Below is generated by plot.py at 2019-08-27 01:33:59
Datalink statistics
-- Total of 3 flows:
Average throughput: 93.73 Mbit/s
95th percentile per-packet one-way delay: 25.823 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 56.35 Mbit/s
95th percentile per-packet one-way delay: 24.008 ms
Loss rate: 0.04%
-- Flow 2:
Average throughput: 46.55 Mbit/s
95th percentile per-packet one-way delay: 26.219 ms
Loss rate: 0.11%
-- Flow 3:
Average throughput: 24.57 Mbit/s
95th percentile per-packet one-way delay: 28.649 ms
Loss rate: 0.10%

Run 3: Report of Indigo-MusesT — Data Link



Run 4: Statistics of Indigo-MusesT

Start at: 2019-08-27 00:46:40

End at: 2019-08-27 00:47:10

Local clock offset: -1.038 ms

Remote clock offset: 0.869 ms

Below is generated by plot.py at 2019-08-27 01:34:04

Datalink statistics

-- Total of 3 flows:

Average throughput: 96.21 Mbit/s

95th percentile per-packet one-way delay: 28.207 ms

Loss rate: 0.22%

-- Flow 1:

Average throughput: 59.32 Mbit/s

95th percentile per-packet one-way delay: 25.379 ms

Loss rate: 0.12%

-- Flow 2:

Average throughput: 42.28 Mbit/s

95th percentile per-packet one-way delay: 28.316 ms

Loss rate: 0.28%

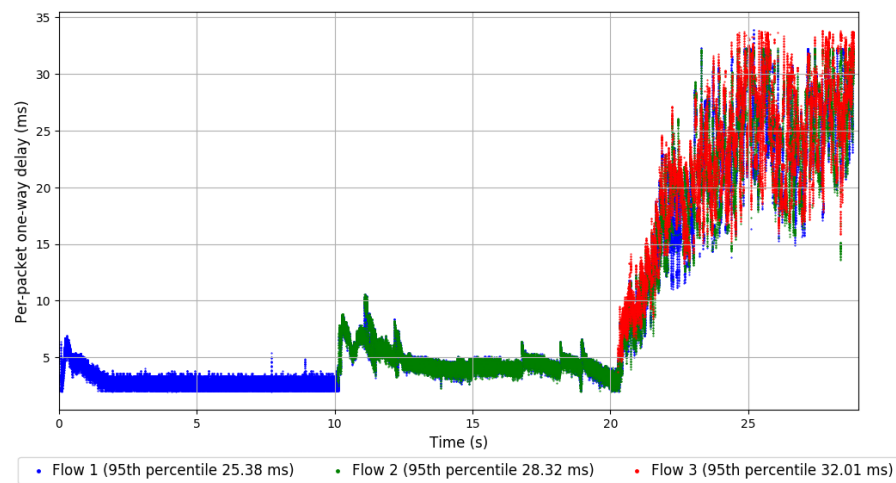
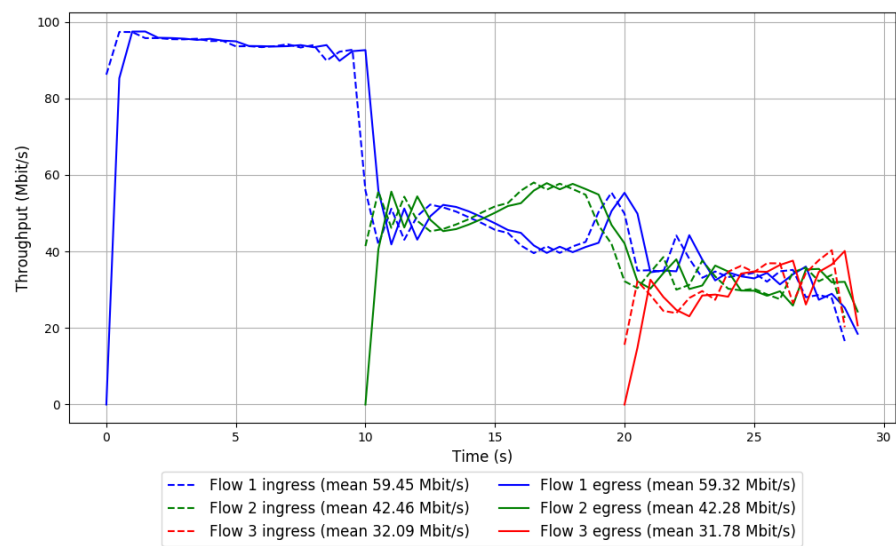
-- Flow 3:

Average throughput: 31.78 Mbit/s

95th percentile per-packet one-way delay: 32.005 ms

Loss rate: 0.63%

Run 4: Report of Indigo-MusesT — Data Link

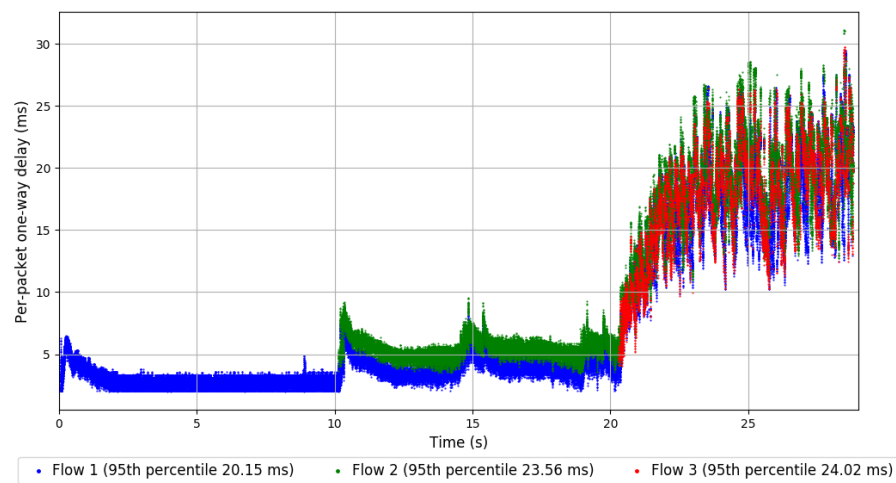
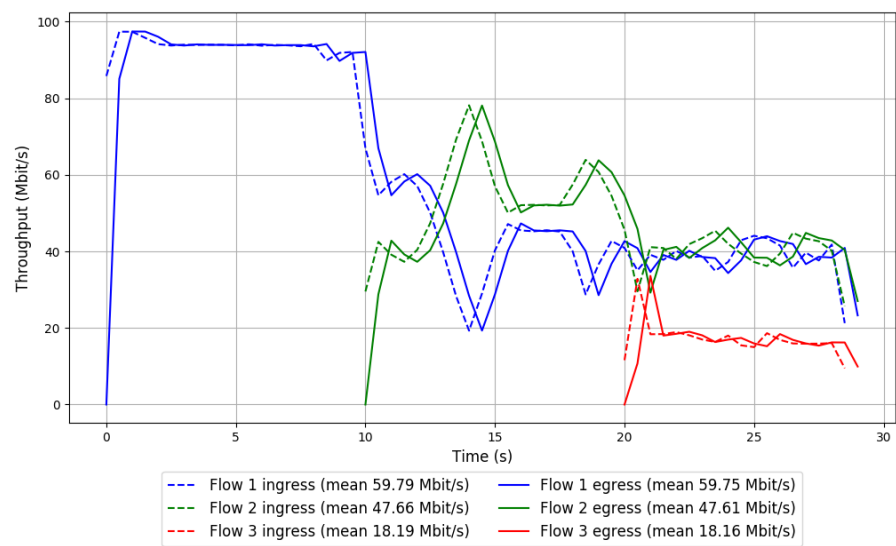


Run 5: Statistics of Indigo-MusesT

Start at: 2019-08-27 01:13:50
End at: 2019-08-27 01:14:20
Local clock offset: -1.002 ms
Remote clock offset: 0.899 ms

Below is generated by plot.py at 2019-08-27 01:34:04
Datalink statistics
-- Total of 3 flows:
Average throughput: 95.98 Mbit/s
95th percentile per-packet one-way delay: 22.200 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 59.75 Mbit/s
95th percentile per-packet one-way delay: 20.154 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 47.61 Mbit/s
95th percentile per-packet one-way delay: 23.558 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 18.16 Mbit/s
95th percentile per-packet one-way delay: 24.023 ms
Loss rate: 0.00%

Run 5: Report of Indigo-MusesT — Data Link

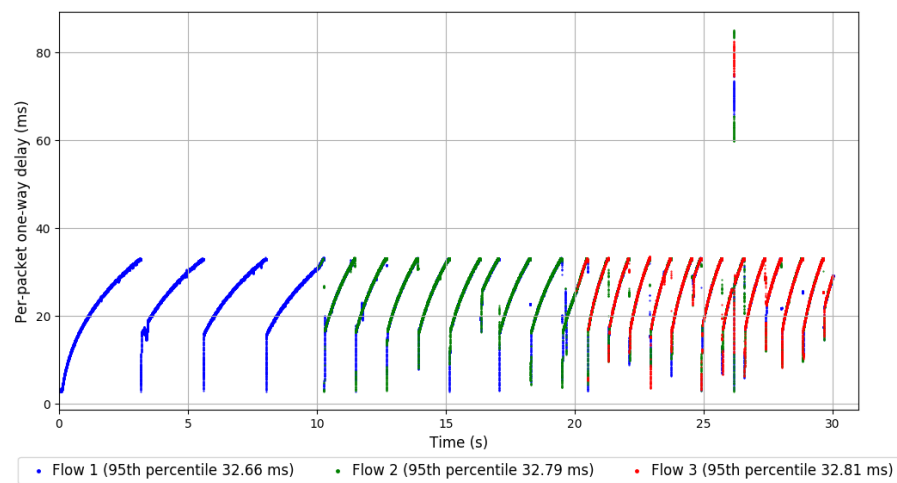
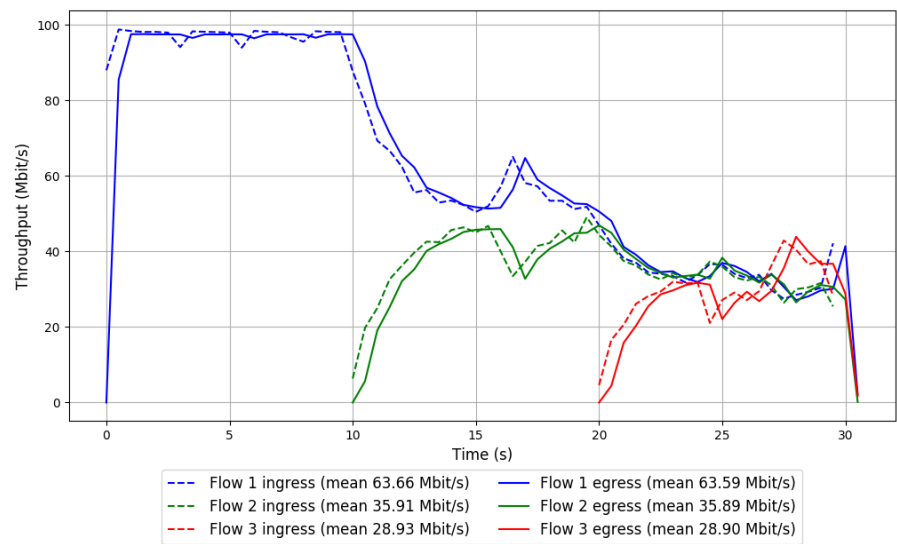


```
Run 1: Statistics of LEDBAT

Start at: 2019-08-26 23:31:52
End at: 2019-08-26 23:32:22
Local clock offset: -0.404 ms
Remote clock offset: 0.477 ms

# Below is generated by plot.py at 2019-08-27 01:34:10
# Datalink statistics
-- Total of 3 flows:
Average throughput: 97.04 Mbit/s
95th percentile per-packet one-way delay: 32.717 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 63.59 Mbit/s
95th percentile per-packet one-way delay: 32.663 ms
Loss rate: 0.03%
-- Flow 2:
Average throughput: 35.89 Mbit/s
95th percentile per-packet one-way delay: 32.791 ms
Loss rate: 0.08%
-- Flow 3:
Average throughput: 28.90 Mbit/s
95th percentile per-packet one-way delay: 32.814 ms
Loss rate: 0.09%
```

Run 1: Report of LEDBAT — Data Link



Run 2: Statistics of LEDBAT

Start at: 2019-08-26 23:59:02

End at: 2019-08-26 23:59:32

Local clock offset: -1.037 ms

Remote clock offset: 0.506 ms

Below is generated by plot.py at 2019-08-27 01:34:13

Datalink statistics

-- Total of 3 flows:

Average throughput: 96.72 Mbit/s

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

Loss rate: 0.08%

-- Flow 1:

Average throughput: 64.76 Mbit/s

95th percentile per-packet one-way delay: 33.170 ms

Loss rate: 0.02%

-- Flow 2:

Average throughput: 32.85 Mbit/s

95th percentile per-packet one-way delay: 31.919 ms

Loss rate: 0.20%

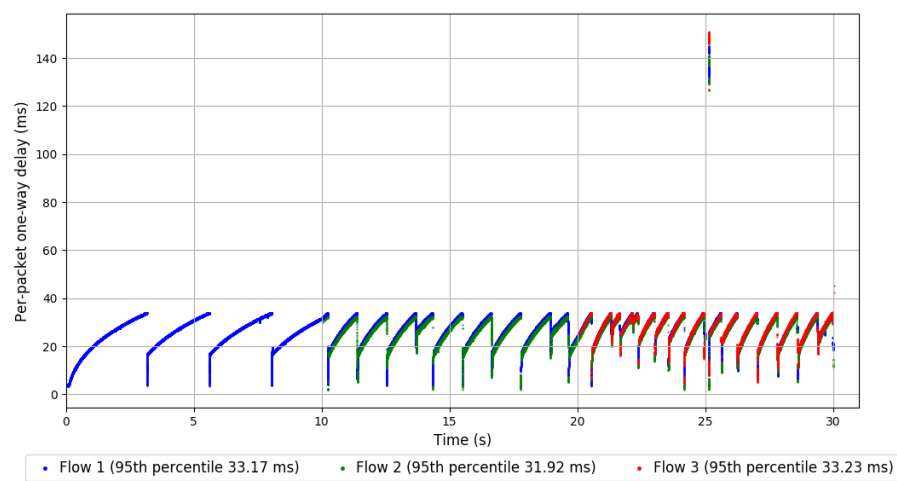
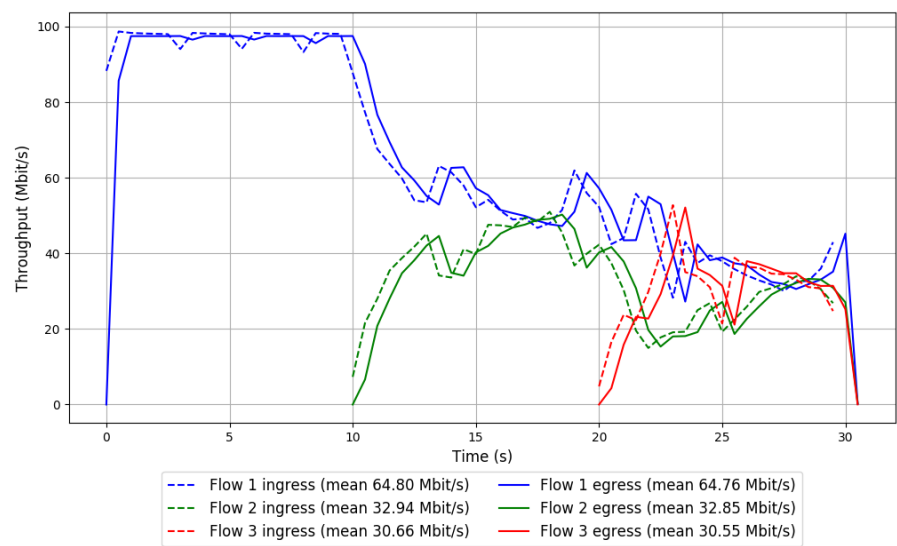
-- Flow 3:

Average throughput: 30.55 Mbit/s

95th percentile per-packet one-way delay: 33.227 ms

Loss rate: 0.16%

Run 2: Report of LEDBAT — Data Link

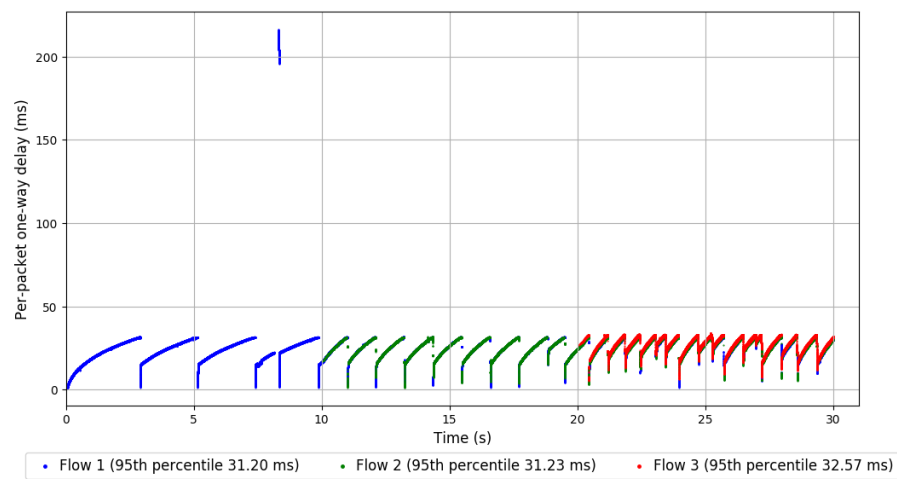
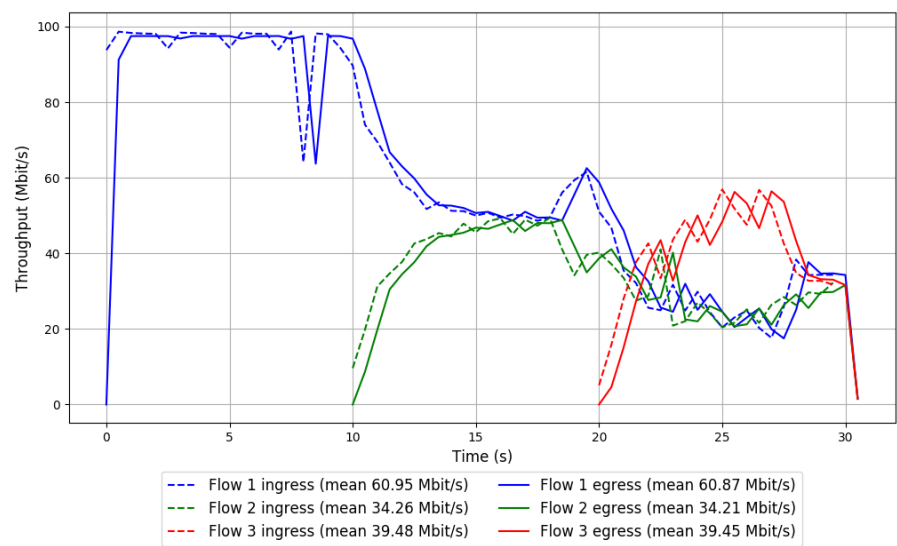


Run 3: Statistics of LEDBAT

Start at: 2019-08-27 00:26:11
End at: 2019-08-27 00:26:41
Local clock offset: -0.227 ms
Remote clock offset: 0.664 ms

Below is generated by plot.py at 2019-08-27 01:34:41
Datalink statistics
-- Total of 3 flows:
Average throughput: 96.73 Mbit/s
95th percentile per-packet one-way delay: 31.433 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 60.87 Mbit/s
95th percentile per-packet one-way delay: 31.200 ms
Loss rate: 0.04%
-- Flow 2:
Average throughput: 34.21 Mbit/s
95th percentile per-packet one-way delay: 31.225 ms
Loss rate: 0.09%
-- Flow 3:
Average throughput: 39.45 Mbit/s
95th percentile per-packet one-way delay: 32.573 ms
Loss rate: 0.04%

Run 3: Report of LEDBAT — Data Link

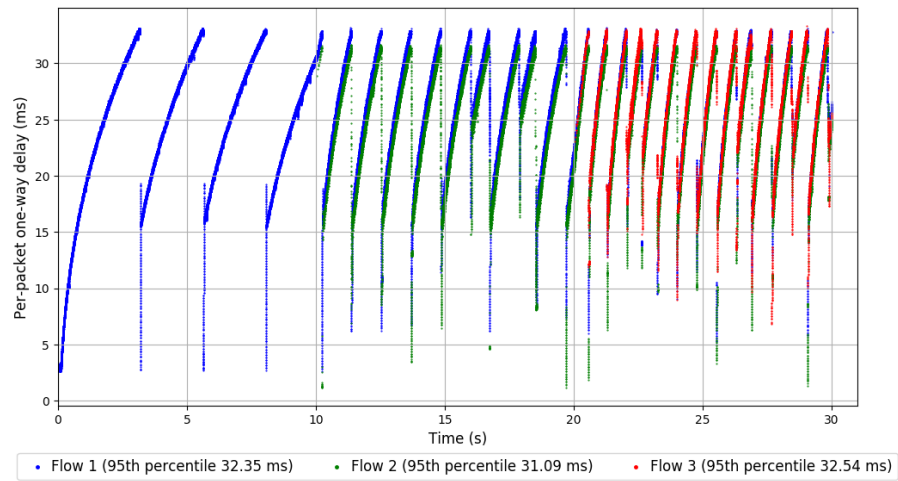
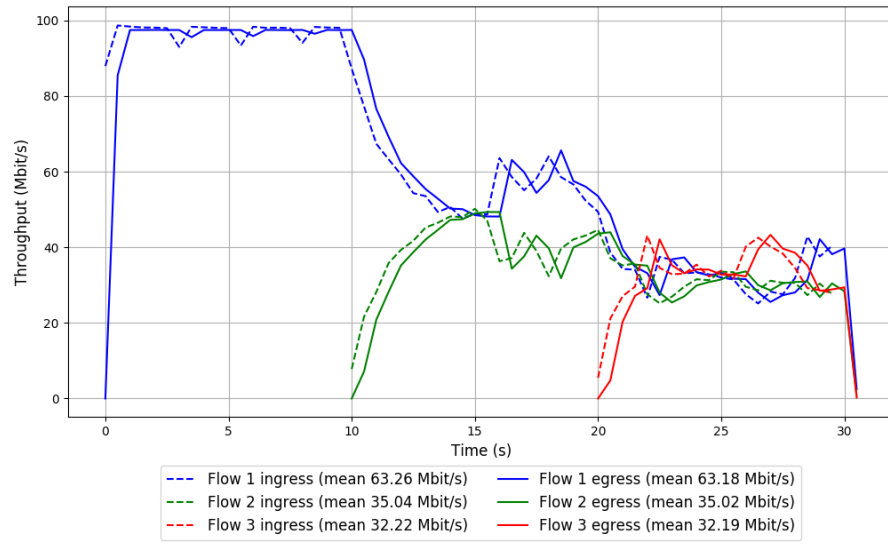


Run 4: Statistics of LEDBAT

Start at: 2019-08-27 00:53:22
End at: 2019-08-27 00:53:52
Local clock offset: -0.193 ms
Remote clock offset: 0.881 ms

Below is generated by plot.py at 2019-08-27 01:35:02
Datalink statistics
-- Total of 3 flows:
Average throughput: 97.16 Mbit/s
95th percentile per-packet one-way delay: 32.156 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 63.18 Mbit/s
95th percentile per-packet one-way delay: 32.353 ms
Loss rate: 0.03%
-- Flow 2:
Average throughput: 35.02 Mbit/s
95th percentile per-packet one-way delay: 31.090 ms
Loss rate: 0.10%
-- Flow 3:
Average throughput: 32.19 Mbit/s
95th percentile per-packet one-way delay: 32.539 ms
Loss rate: 0.05%

Run 4: Report of LEDBAT — Data Link



Run 5: Statistics of LEDBAT

Start at: 2019-08-27 01:20:31

End at: 2019-08-27 01:21:01

Local clock offset: -0.987 ms

Remote clock offset: 0.817 ms

Below is generated by plot.py at 2019-08-27 01:35:15

Datalink statistics

-- Total of 3 flows:

Average throughput: 97.18 Mbit/s

95th percentile per-packet one-way delay: 33.345 ms

Loss rate: 0.05%

-- Flow 1:

Average throughput: 66.48 Mbit/s

95th percentile per-packet one-way delay: 33.294 ms

Loss rate: 0.02%

-- Flow 2:

Average throughput: 30.22 Mbit/s

95th percentile per-packet one-way delay: 33.430 ms

Loss rate: 0.13%

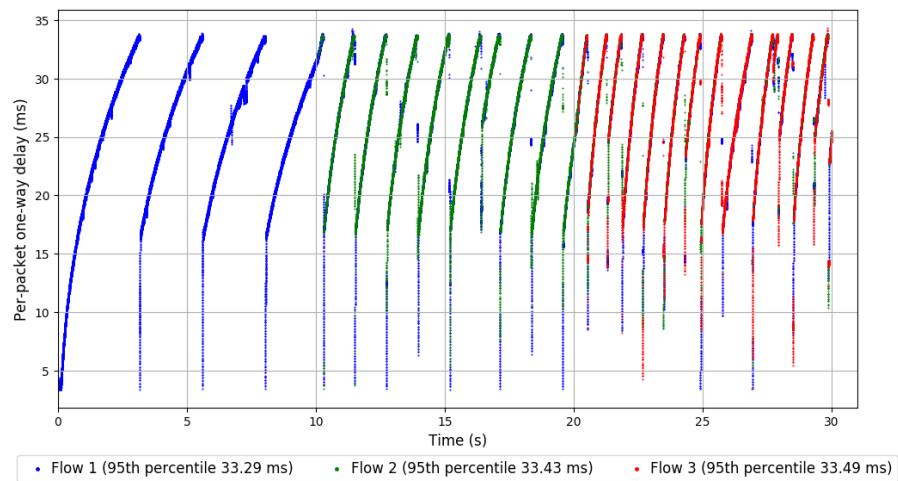
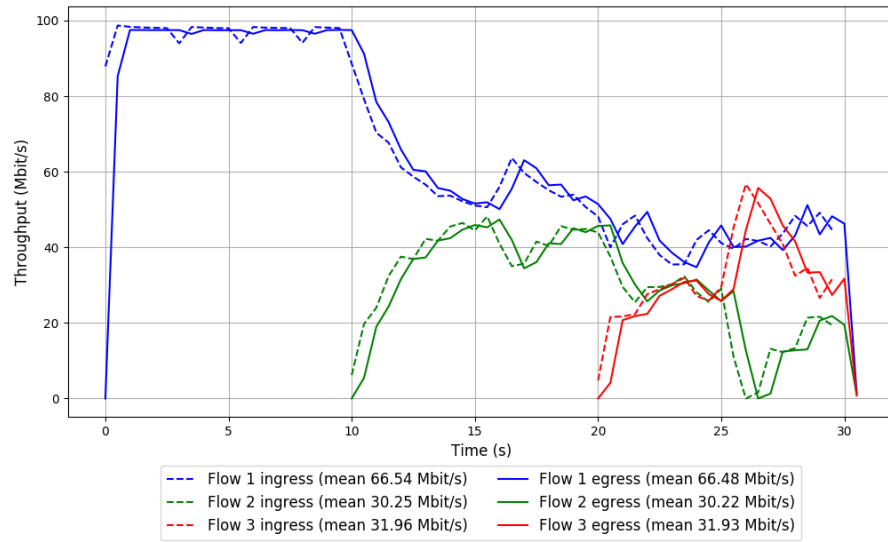
-- Flow 3:

Average throughput: 31.93 Mbit/s

95th percentile per-packet one-way delay: 33.495 ms

Loss rate: 0.11%

Run 5: Report of LEDBAT — Data Link



Run 1: Statistics of Muses_DecisionTree

Start at: 2019-08-26 23:11:33

End at: 2019-08-26 23:12:03

Local clock offset: -0.517 ms

Remote clock offset: 0.201 ms

Below is generated by plot.py at 2019-08-27 01:35:15

Datalink statistics

-- Total of 3 flows:

Average throughput: 13.96 Mbit/s

95th percentile per-packet one-way delay: 2.981 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 6.97 Mbit/s

95th percentile per-packet one-way delay: 1.586 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 7.72 Mbit/s

95th percentile per-packet one-way delay: 1.628 ms

Loss rate: 0.00%

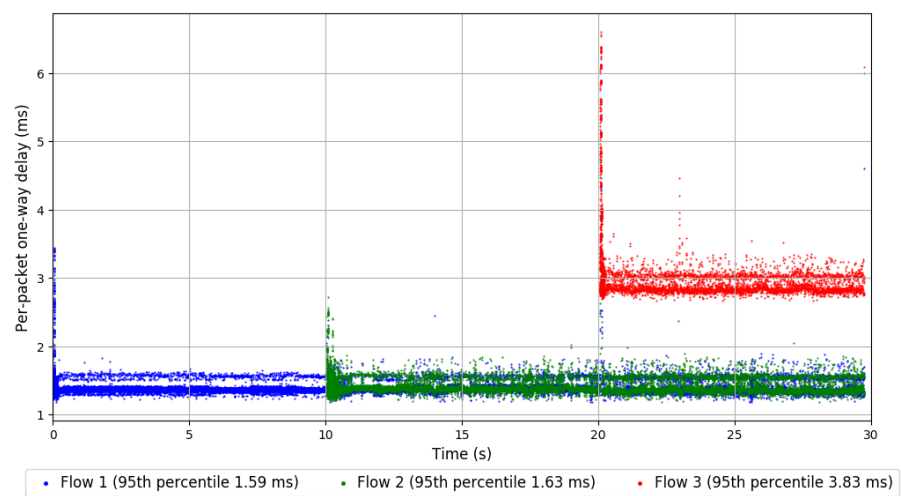
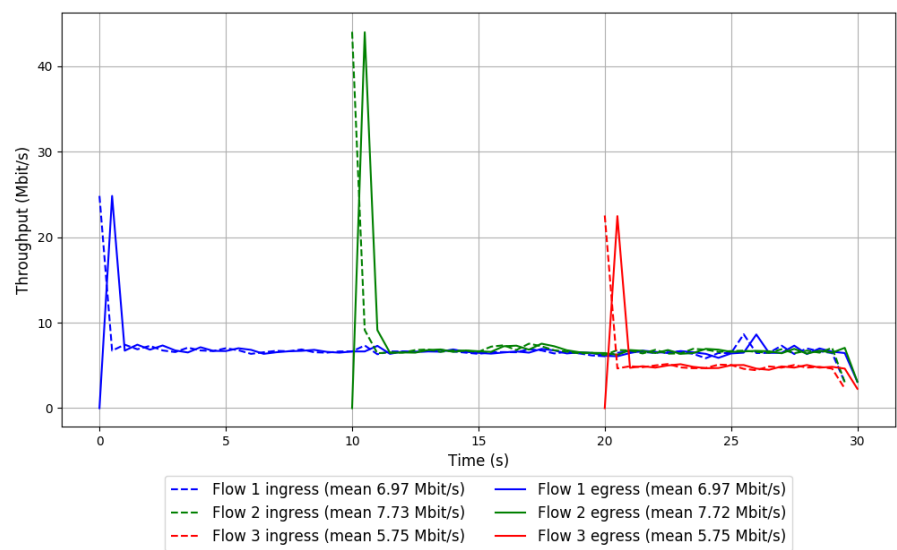
-- Flow 3:

Average throughput: 5.75 Mbit/s

95th percentile per-packet one-way delay: 3.833 ms

Loss rate: 0.02%

Run 1: Report of Muses_DecisionTree — Data Link



Run 2: Statistics of Muses_DecisionTree

Start at: 2019-08-26 23:38:45

End at: 2019-08-26 23:39:15

Local clock offset: -0.402 ms

Remote clock offset: 0.464 ms

Below is generated by plot.py at 2019-08-27 01:35:15

Datalink statistics

-- Total of 3 flows:

Average throughput: 13.63 Mbit/s

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

Loss rate: 0.00%

-- Flow 1:

Average throughput: 7.70 Mbit/s

95th percentile per-packet one-way delay: 1.602 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 5.06 Mbit/s

95th percentile per-packet one-way delay: 3.242 ms

Loss rate: 0.00%

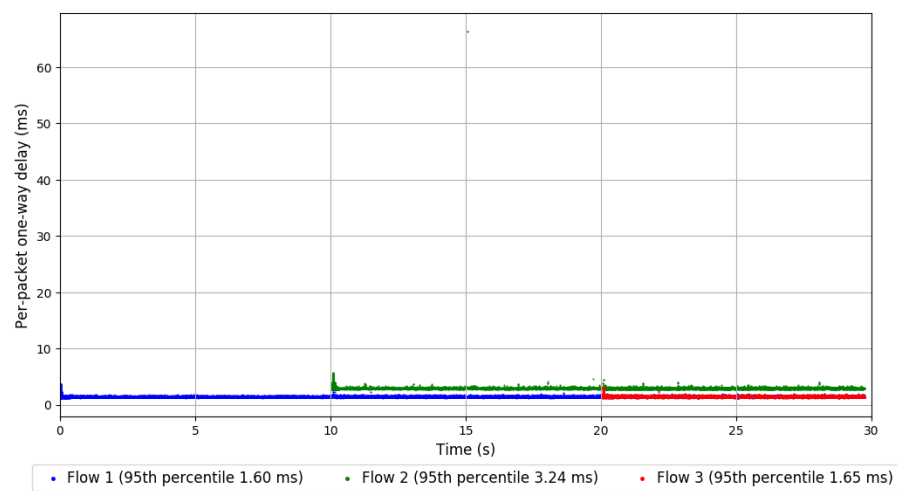
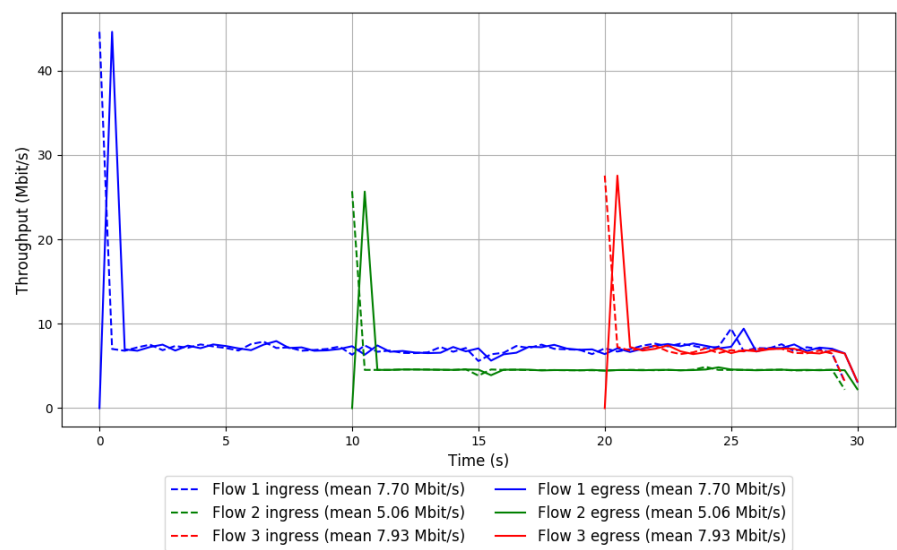
-- Flow 3:

Average throughput: 7.93 Mbit/s

95th percentile per-packet one-way delay: 1.648 ms

Loss rate: 0.00%

Run 2: Report of Muses_DecisionTree — Data Link



Run 3: Statistics of Muses_DecisionTree

Start at: 2019-08-27 00:05:54

End at: 2019-08-27 00:06:24

Local clock offset: -0.997 ms

Remote clock offset: 0.604 ms

Below is generated by plot.py at 2019-08-27 01:35:15

Datalink statistics

-- Total of 3 flows:

Average throughput: 10.78 Mbit/s

95th percentile per-packet one-way delay: 3.860 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 5.26 Mbit/s

95th percentile per-packet one-way delay: 3.863 ms

Loss rate: 0.01%

-- Flow 2:

Average throughput: 4.81 Mbit/s

95th percentile per-packet one-way delay: 3.963 ms

Loss rate: 0.00%

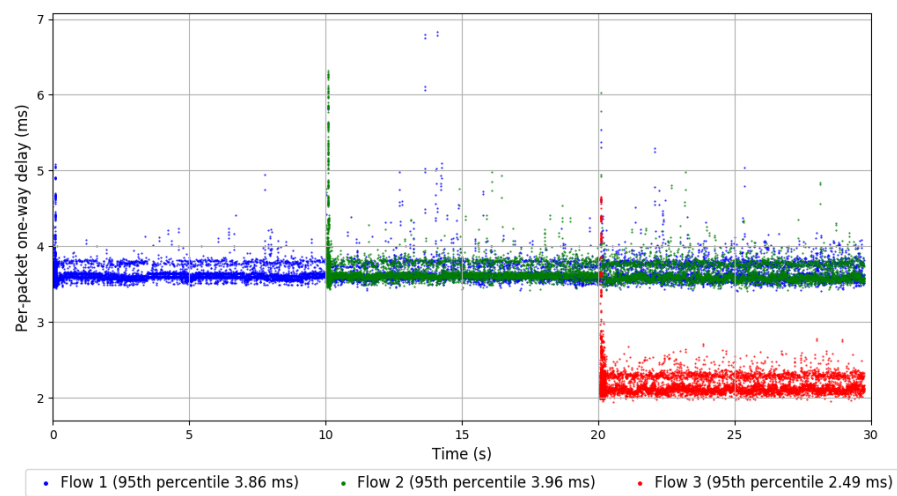
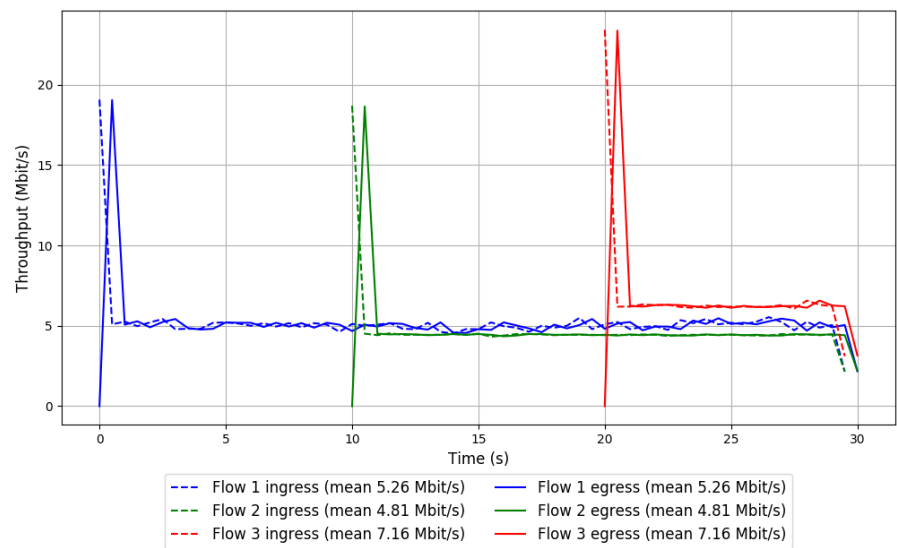
-- Flow 3:

Average throughput: 7.16 Mbit/s

95th percentile per-packet one-way delay: 2.486 ms

Loss rate: 0.00%

Run 3: Report of Muses_DecisionTree — Data Link



Run 4: Statistics of Muses_DecisionTree

Start at: 2019-08-27 00:33:04

End at: 2019-08-27 00:33:34

Local clock offset: -0.215 ms

Remote clock offset: 0.686 ms

Below is generated by plot.py at 2019-08-27 01:35:15

Datalink statistics

-- Total of 3 flows:

Average throughput: 11.85 Mbit/s

95th percentile per-packet one-way delay: 3.089 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 5.21 Mbit/s

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

Loss rate: 0.00%

-- Flow 2:

Average throughput: 7.43 Mbit/s

95th percentile per-packet one-way delay: 1.581 ms

Loss rate: 0.00%

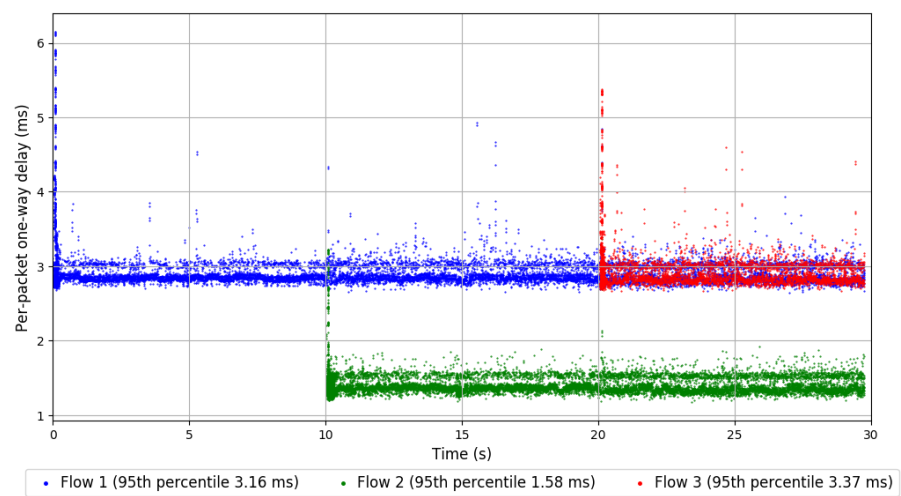
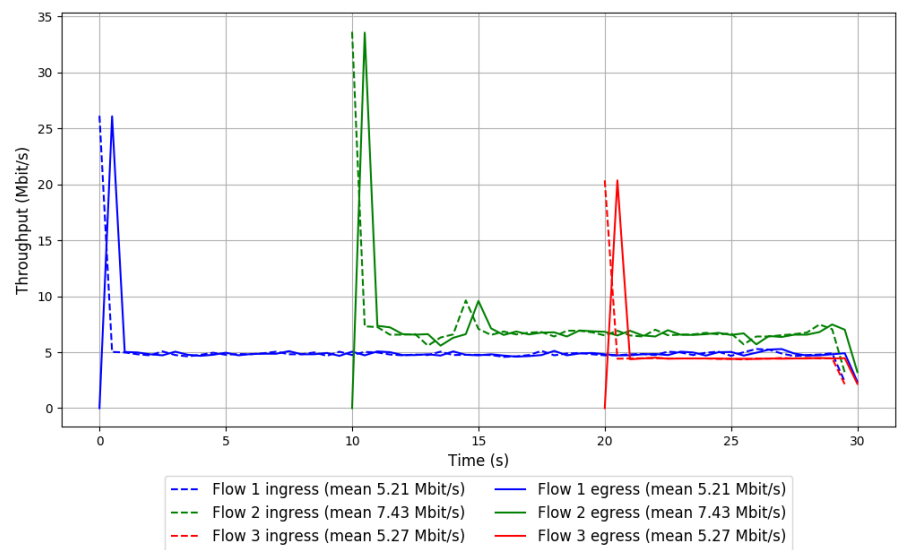
-- Flow 3:

Average throughput: 5.27 Mbit/s

95th percentile per-packet one-way delay: 3.373 ms

Loss rate: 0.00%

Run 4: Report of Muses_DecisionTree — Data Link



Run 5: Statistics of Muses_DecisionTree

Start at: 2019-08-27 01:00:14

End at: 2019-08-27 01:00:44

Local clock offset: -0.195 ms

Remote clock offset: 0.832 ms

Below is generated by plot.py at 2019-08-27 01:35:15

Datalink statistics

-- Total of 3 flows:

Average throughput: 11.87 Mbit/s

95th percentile per-packet one-way delay: 2.976 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 5.13 Mbit/s

95th percentile per-packet one-way delay: 3.055 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 6.67 Mbit/s

95th percentile per-packet one-way delay: 1.528 ms

Loss rate: 0.00%

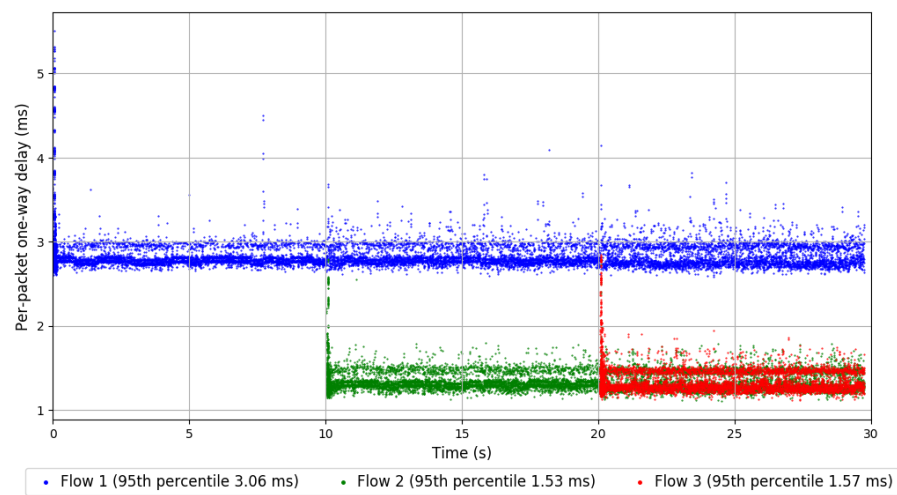
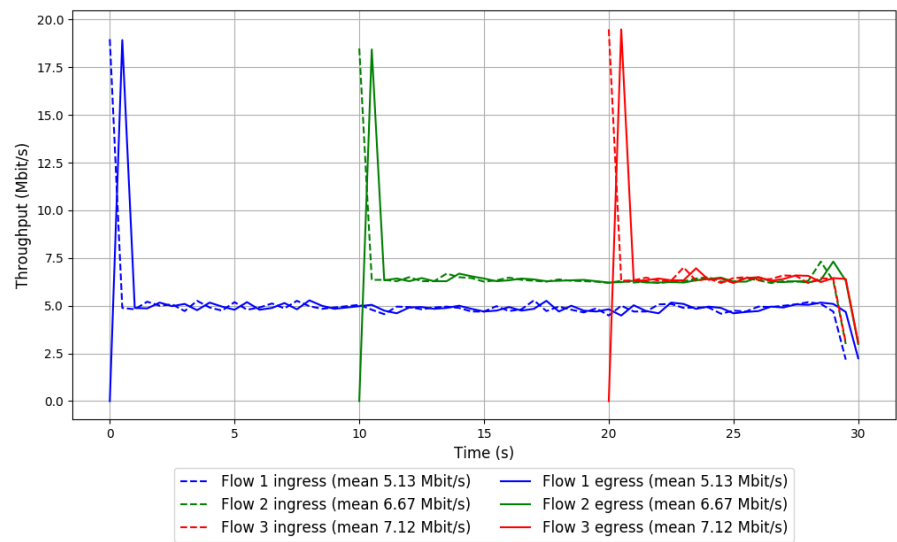
-- Flow 3:

Average throughput: 7.12 Mbit/s

95th percentile per-packet one-way delay: 1.569 ms

Loss rate: 0.00%

Run 5: Report of Muses_DecisionTree — Data Link



Run 1: Statistics of Muses_DecisionTreeH0

Start at: 2019-08-26 23:14:58

End at: 2019-08-26 23:15:28

Local clock offset: -0.466 ms

Remote clock offset: 0.178 ms

Below is generated by plot.py at 2019-08-27 01:35:15

Datalink statistics

-- Total of 3 flows:

Average throughput: 17.16 Mbit/s

95th percentile per-packet one-way delay: 1.512 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 8.39 Mbit/s

95th percentile per-packet one-way delay: 1.505 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 8.71 Mbit/s

95th percentile per-packet one-way delay: 1.510 ms

Loss rate: 0.00%

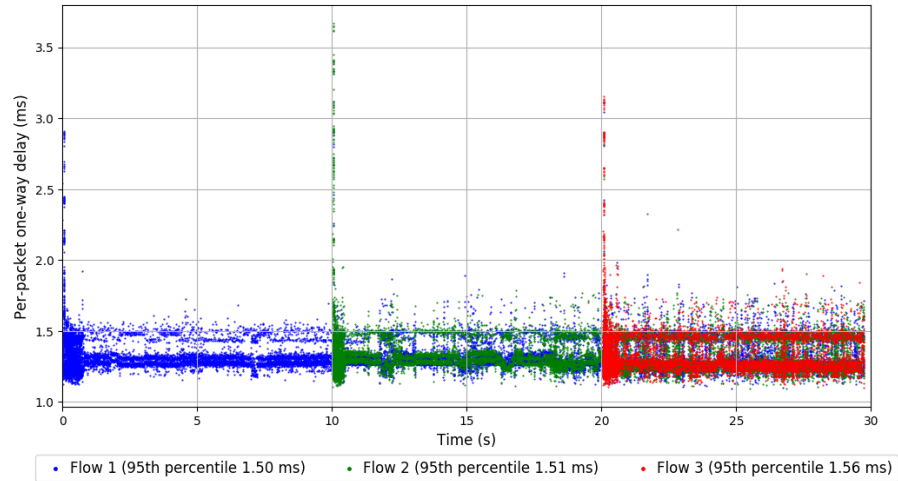
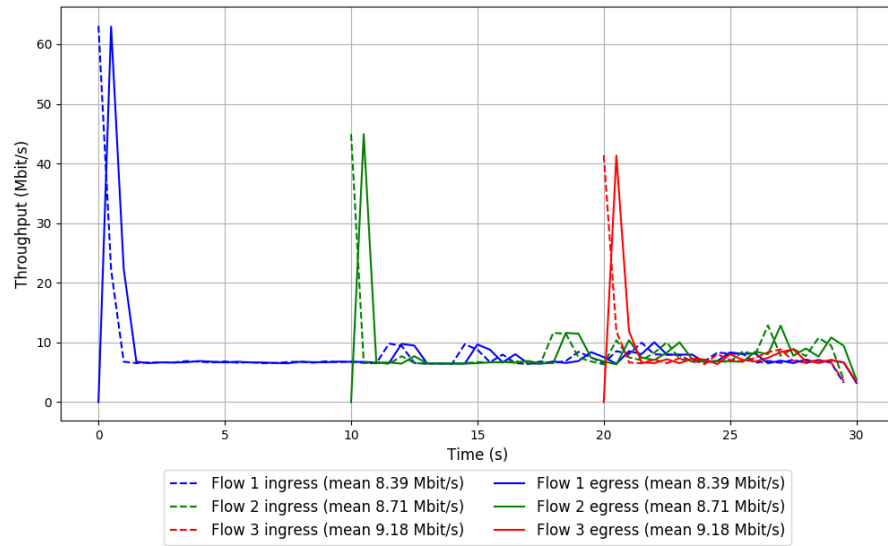
-- Flow 3:

Average throughput: 9.18 Mbit/s

95th percentile per-packet one-way delay: 1.558 ms

Loss rate: 0.00%

Run 1: Report of Muses_DecisionTreeH0 — Data Link



Run 2: Statistics of Muses_DecisionTreeH0

Start at: 2019-08-26 23:42:10

End at: 2019-08-26 23:42:40

Local clock offset: -0.372 ms

Remote clock offset: 0.393 ms

Below is generated by plot.py at 2019-08-27 01:35:15

Datalink statistics

-- Total of 3 flows:

Average throughput: 12.24 Mbit/s

95th percentile per-packet one-way delay: 2.986 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 7.08 Mbit/s

95th percentile per-packet one-way delay: 1.500 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 4.89 Mbit/s

95th percentile per-packet one-way delay: 3.112 ms

Loss rate: 0.00%

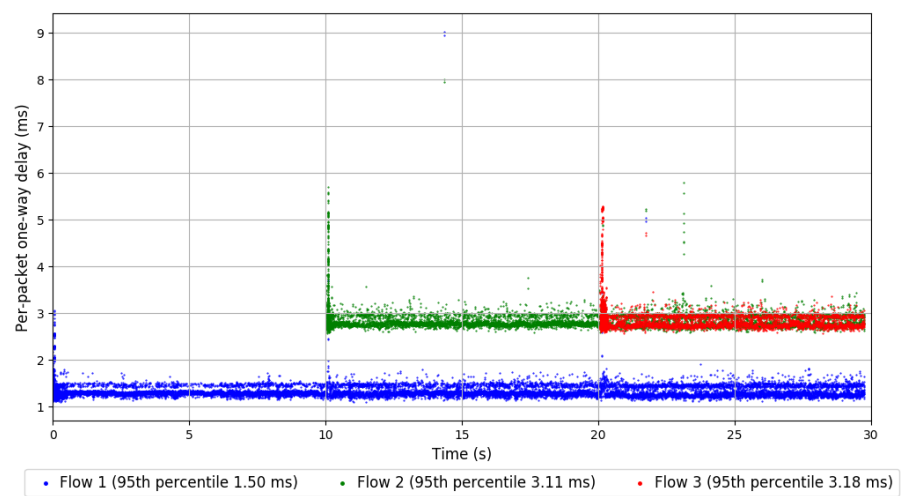
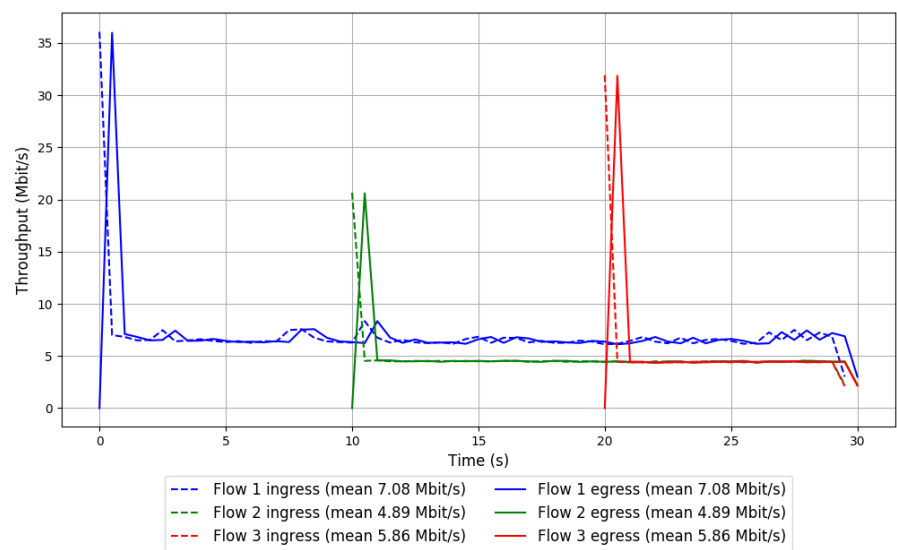
-- Flow 3:

Average throughput: 5.86 Mbit/s

95th percentile per-packet one-way delay: 3.183 ms

Loss rate: 0.00%

Run 2: Report of Muses_DecisionTreeH0 — Data Link



Run 3: Statistics of Muses_DecisionTreeH0

Start at: 2019-08-27 00:09:19

End at: 2019-08-27 00:09:49

Local clock offset: -1.058 ms

Remote clock offset: 0.641 ms

Below is generated by plot.py at 2019-08-27 01:35:15

Datalink statistics

-- Total of 3 flows:

Average throughput: 15.34 Mbit/s

95th percentile per-packet one-way delay: 2.438 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 7.53 Mbit/s

95th percentile per-packet one-way delay: 2.426 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 7.30 Mbit/s

95th percentile per-packet one-way delay: 2.445 ms

Loss rate: 0.00%

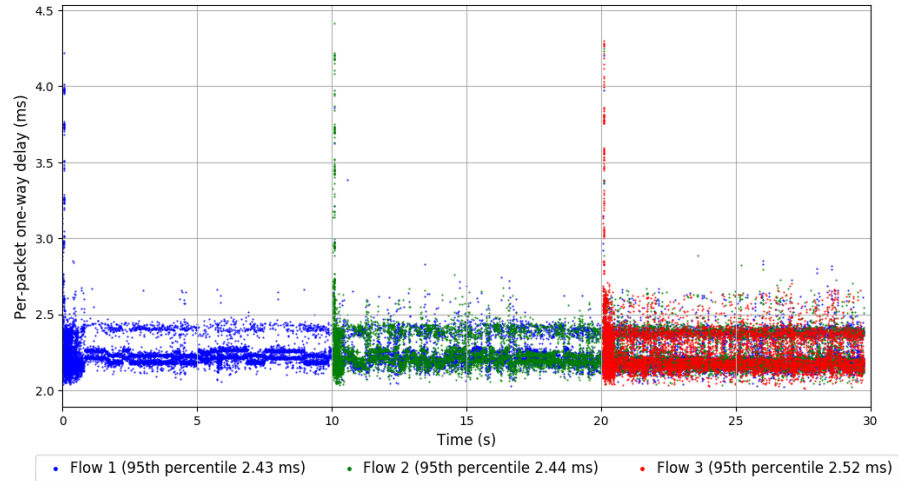
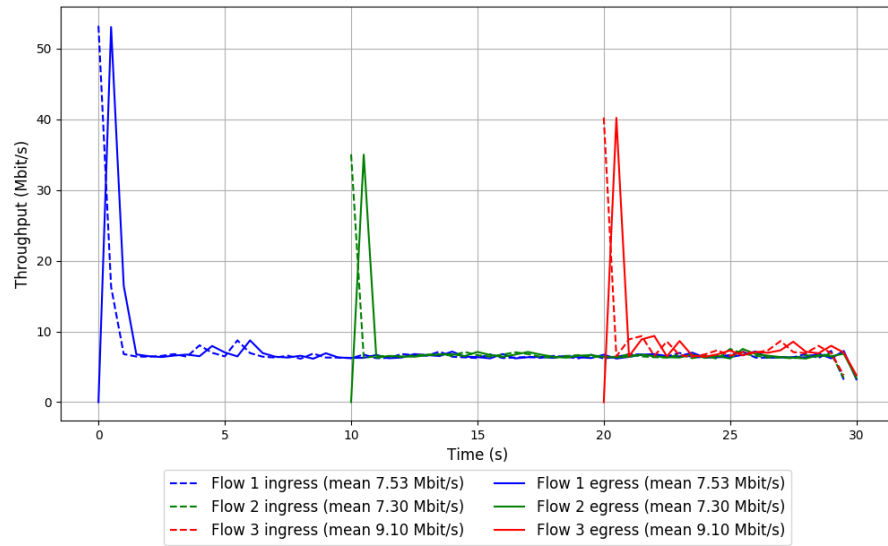
-- Flow 3:

Average throughput: 9.10 Mbit/s

95th percentile per-packet one-way delay: 2.521 ms

Loss rate: 0.00%

Run 3: Report of Muses_DecisionTreeH0 — Data Link



Run 4: Statistics of Muses_DecisionTreeH0

Start at: 2019-08-27 00:36:30

End at: 2019-08-27 00:37:00

Local clock offset: -0.998 ms

Remote clock offset: 0.66 ms

Below is generated by plot.py at 2019-08-27 01:35:15

Datalink statistics

-- Total of 3 flows:

Average throughput: 11.21 Mbit/s

95th percentile per-packet one-way delay: 3.735 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 4.72 Mbit/s

95th percentile per-packet one-way delay: 3.762 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 7.48 Mbit/s

95th percentile per-packet one-way delay: 2.280 ms

Loss rate: 0.00%

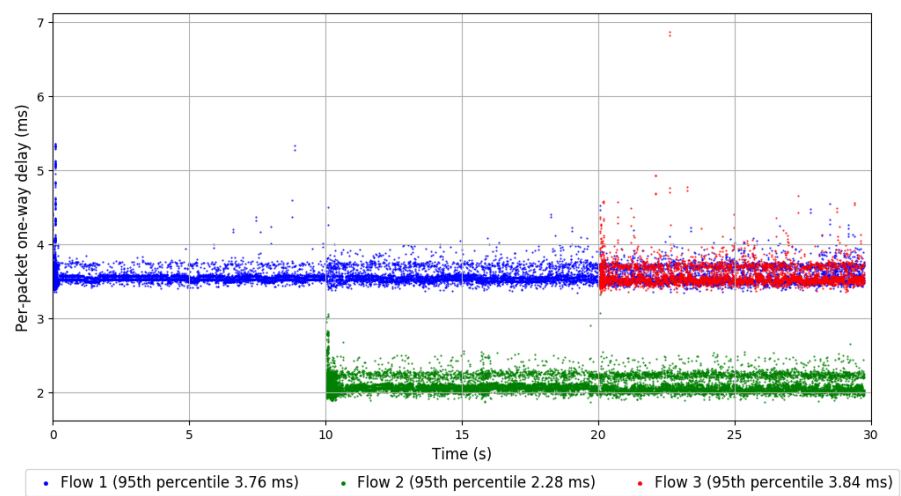
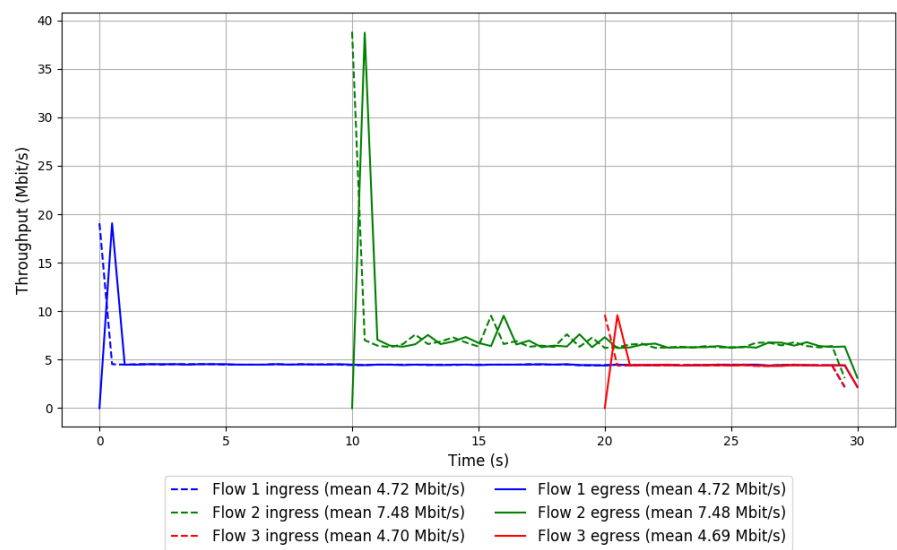
-- Flow 3:

Average throughput: 4.69 Mbit/s

95th percentile per-packet one-way delay: 3.838 ms

Loss rate: 0.03%

Run 4: Report of Muses_DecisionTreeH0 — Data Link



Run 5: Statistics of Muses_DecisionTreeH0

Start at: 2019-08-27 01:03:39

End at: 2019-08-27 01:04:09

Local clock offset: -0.217 ms

Remote clock offset: 0.817 ms

Below is generated by plot.py at 2019-08-27 01:35:15

Datalink statistics

-- Total of 3 flows:

Average throughput: 15.35 Mbit/s

95th percentile per-packet one-way delay: 1.551 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 7.08 Mbit/s

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

Loss rate: 0.00%

-- Flow 2:

Average throughput: 7.51 Mbit/s

95th percentile per-packet one-way delay: 1.548 ms

Loss rate: 0.00%

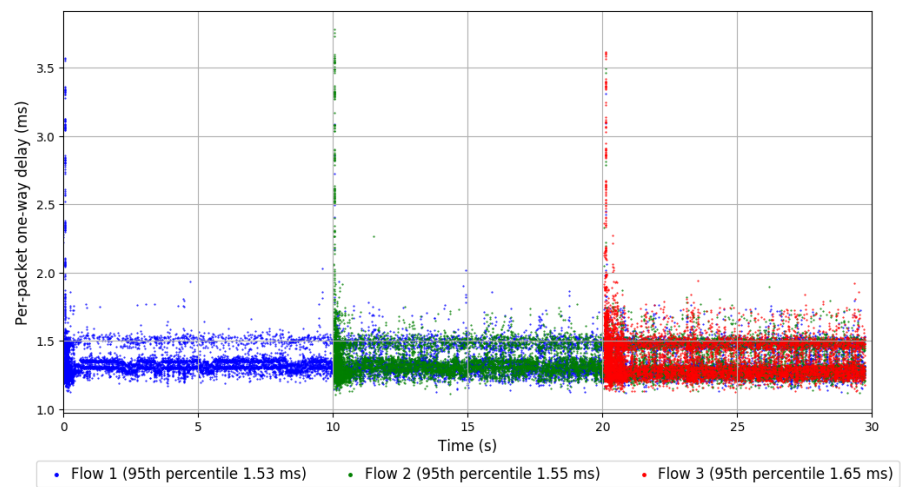
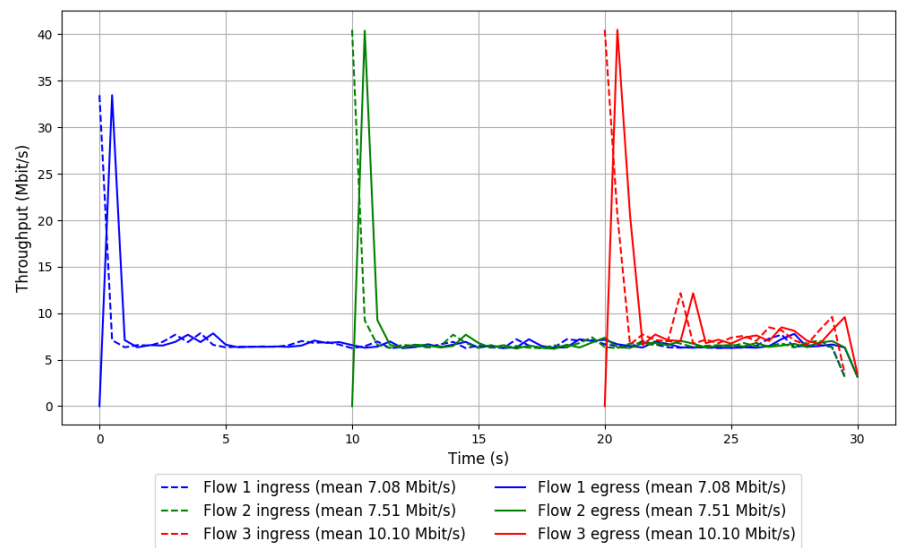
-- Flow 3:

Average throughput: 10.10 Mbit/s

95th percentile per-packet one-way delay: 1.654 ms

Loss rate: 0.00%

Run 5: Report of Muses_DecisionTreeH0 — Data Link



Run 1: Statistics of Muses_DecisionTreeR0

Start at: 2019-08-26 23:34:12

End at: 2019-08-26 23:34:42

Local clock offset: -1.187 ms

Remote clock offset: 0.405 ms

Below is generated by plot.py at 2019-08-27 01:35:15

Datalink statistics

-- Total of 3 flows:

Average throughput: 11.61 Mbit/s

95th percentile per-packet one-way delay: 3.802 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 4.64 Mbit/s

95th percentile per-packet one-way delay: 3.819 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 7.95 Mbit/s

95th percentile per-packet one-way delay: 2.362 ms

Loss rate: 0.00%

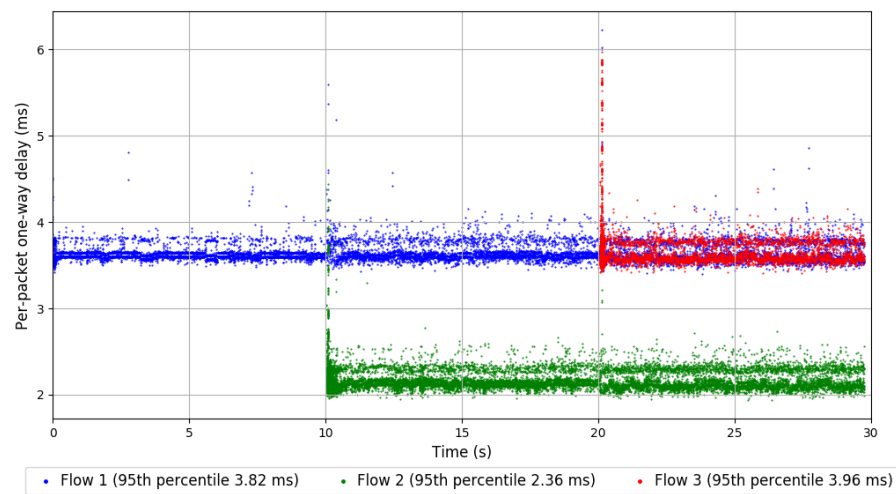
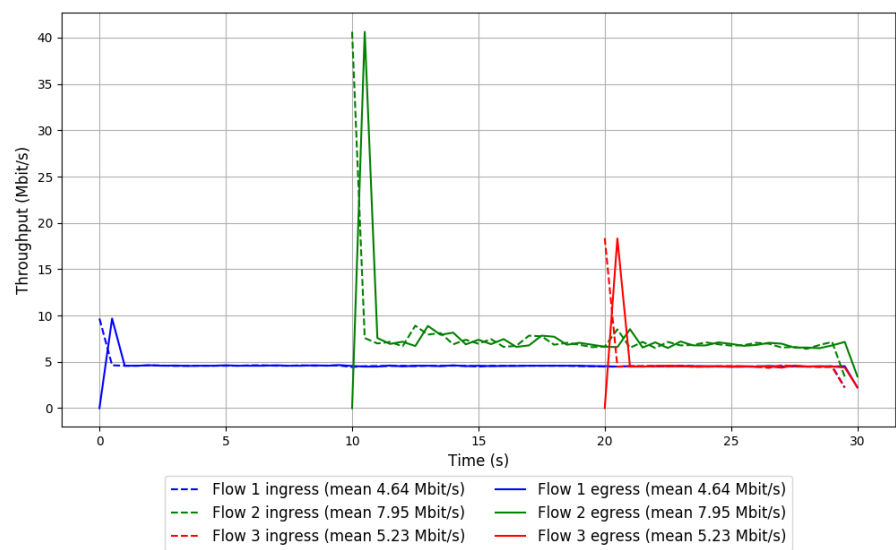
-- Flow 3:

Average throughput: 5.23 Mbit/s

95th percentile per-packet one-way delay: 3.955 ms

Loss rate: 0.00%

Run 1: Report of Muses_DecisionTreeR0 — Data Link



Run 2: Statistics of Muses_DecisionTreeR0

Start at: 2019-08-27 00:01:21

End at: 2019-08-27 00:01:51

Local clock offset: -0.267 ms

Remote clock offset: 0.535 ms

Below is generated by plot.py at 2019-08-27 01:35:15

Datalink statistics

-- Total of 3 flows:

Average throughput: 12.92 Mbit/s

95th percentile per-packet one-way delay: 3.003 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 5.71 Mbit/s

95th percentile per-packet one-way delay: 3.066 ms

Loss rate: 0.01%

-- Flow 2:

Average throughput: 7.48 Mbit/s

95th percentile per-packet one-way delay: 1.565 ms

Loss rate: 0.00%

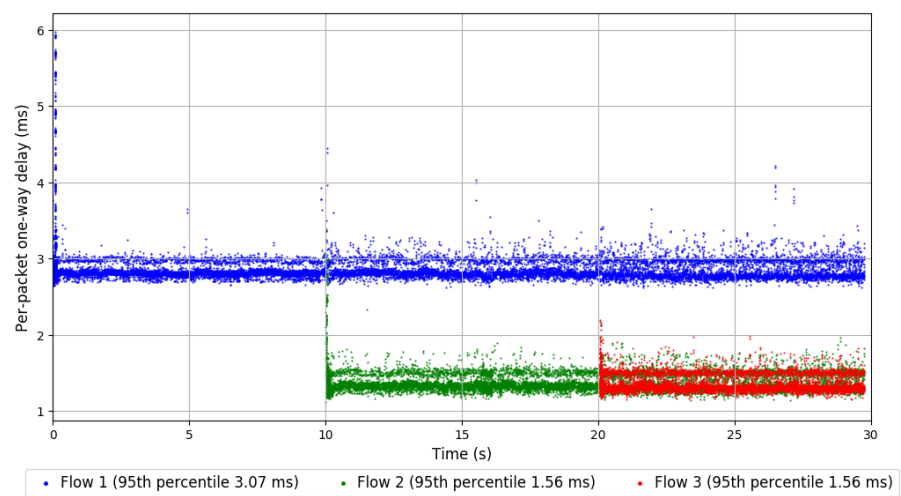
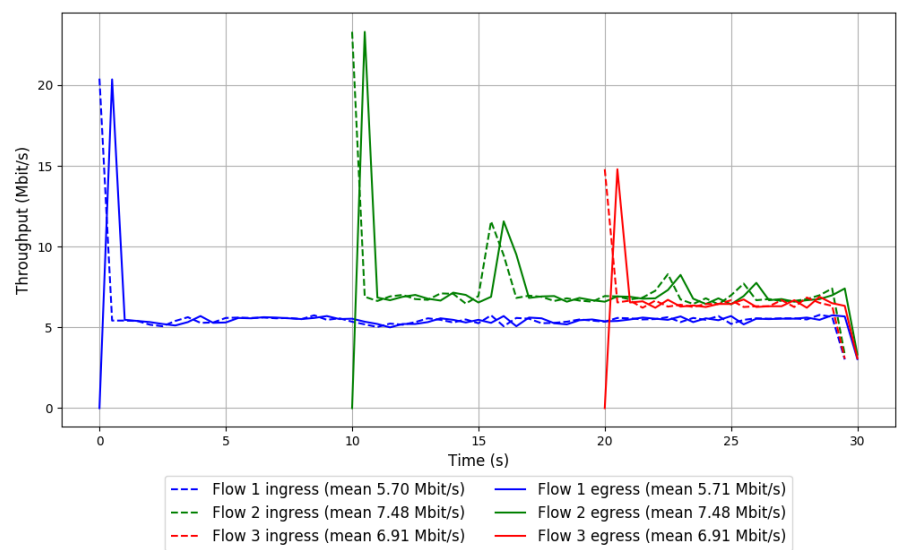
-- Flow 3:

Average throughput: 6.91 Mbit/s

95th percentile per-packet one-way delay: 1.561 ms

Loss rate: 0.00%

Run 2: Report of Muses_DecisionTreeR0 — Data Link



Run 3: Statistics of Muses_DecisionTreeR0

Start at: 2019-08-27 00:28:31

End at: 2019-08-27 00:29:01

Local clock offset: -0.945 ms

Remote clock offset: 0.592 ms

Below is generated by plot.py at 2019-08-27 01:35:15

Datalink statistics

-- Total of 3 flows:

Average throughput: 14.94 Mbit/s

95th percentile per-packet one-way delay: 3.722 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 8.27 Mbit/s

95th percentile per-packet one-way delay: 2.286 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 5.92 Mbit/s

95th percentile per-packet one-way delay: 3.873 ms

Loss rate: 0.01%

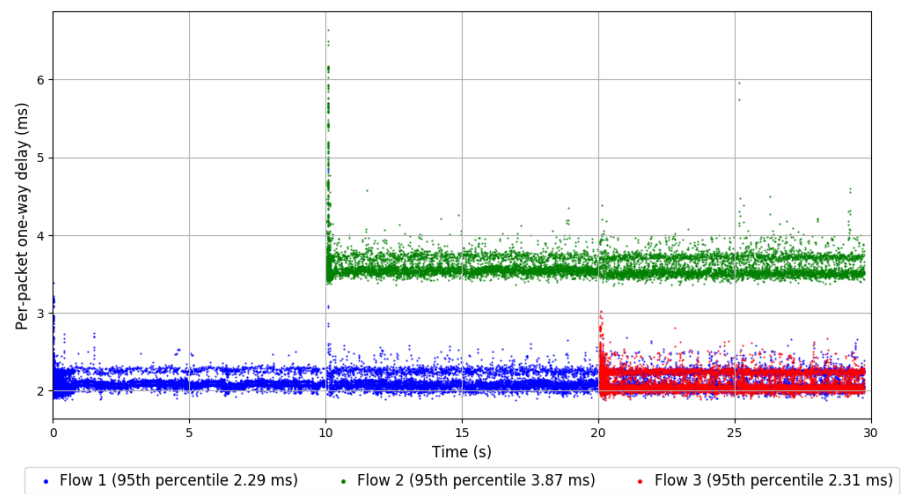
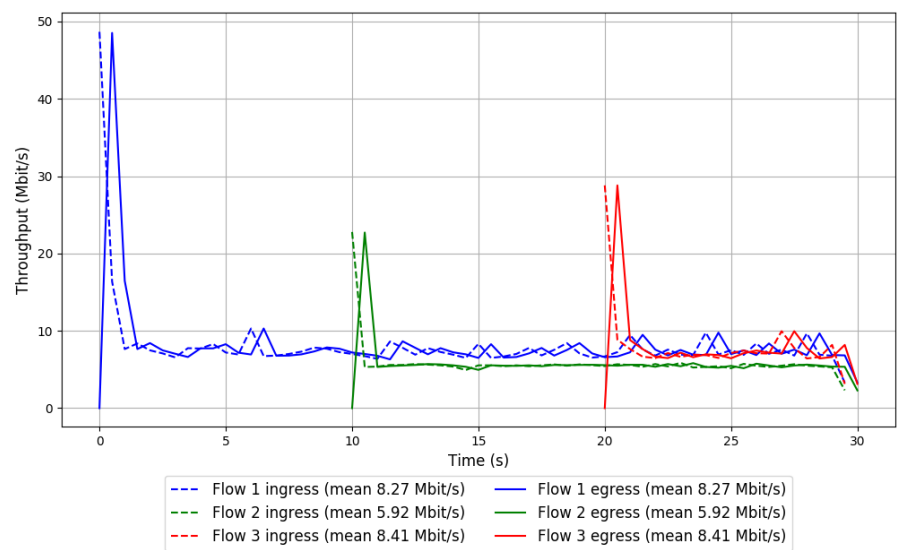
-- Flow 3:

Average throughput: 8.41 Mbit/s

95th percentile per-packet one-way delay: 2.306 ms

Loss rate: 0.00%

Run 3: Report of Muses_DecisionTreeR0 — Data Link



Run 4: Statistics of Muses_DecisionTreeR0

Start at: 2019-08-27 00:55:41

End at: 2019-08-27 00:56:11

Local clock offset: -1.028 ms

Remote clock offset: 0.989 ms

Below is generated by plot.py at 2019-08-27 01:35:15

Datalink statistics

-- Total of 3 flows:

Average throughput: 12.30 Mbit/s

95th percentile per-packet one-way delay: 4.050 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 5.44 Mbit/s

95th percentile per-packet one-way delay: 4.086 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 7.17 Mbit/s

95th percentile per-packet one-way delay: 2.533 ms

Loss rate: 0.00%

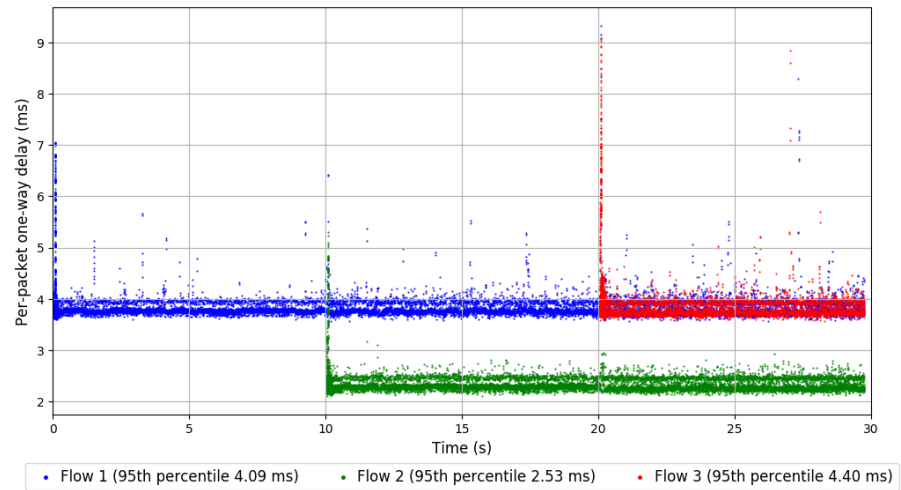
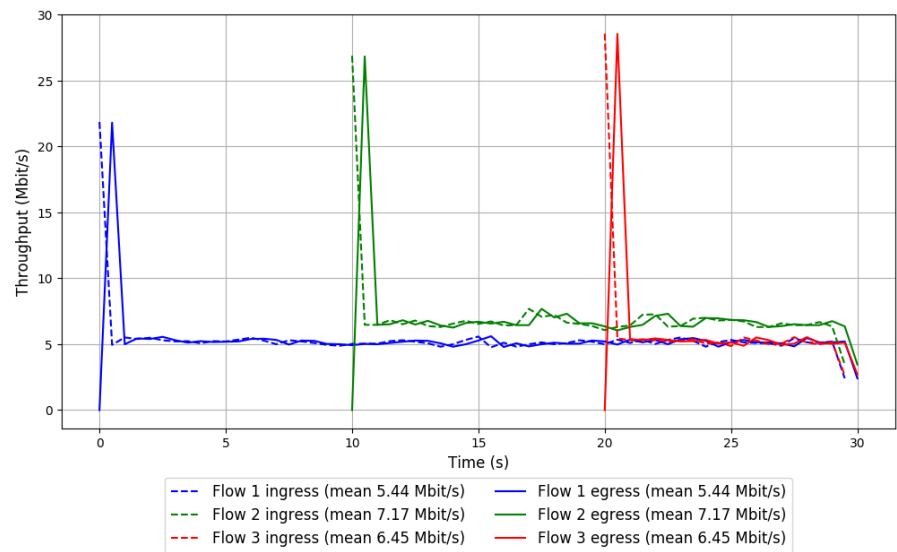
-- Flow 3:

Average throughput: 6.45 Mbit/s

95th percentile per-packet one-way delay: 4.399 ms

Loss rate: 0.00%

Run 4: Report of Muses_DecisionTreeR0 — Data Link



Run 5: Statistics of Muses_DecisionTreeR0

Start at: 2019-08-27 01:22:51

End at: 2019-08-27 01:23:21

Local clock offset: -0.992 ms

Remote clock offset: 0.904 ms

Below is generated by plot.py at 2019-08-27 01:35:15

Datalink statistics

-- Total of 3 flows:

Average throughput: 10.30 Mbit/s

95th percentile per-packet one-way delay: 3.900 ms

Loss rate: 0.01%

-- Flow 1:

Average throughput: 5.36 Mbit/s

95th percentile per-packet one-way delay: 3.861 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 4.88 Mbit/s

95th percentile per-packet one-way delay: 3.898 ms

Loss rate: 0.02%

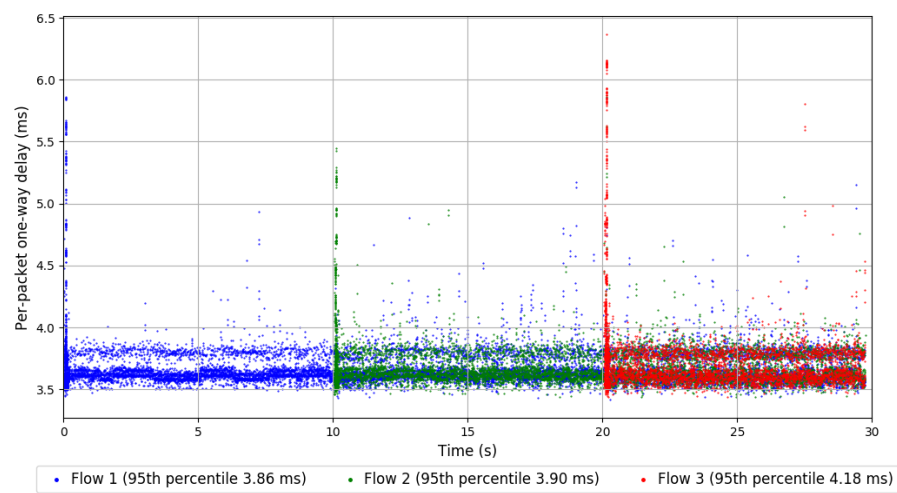
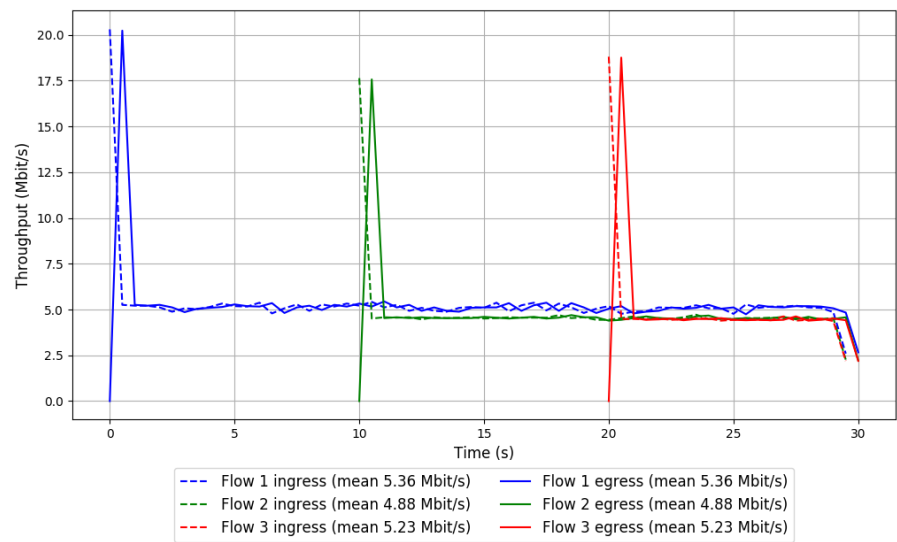
-- Flow 3:

Average throughput: 5.23 Mbit/s

95th percentile per-packet one-way delay: 4.177 ms

Loss rate: 0.00%

Run 5: Report of Muses_DecisionTreeR0 — Data Link

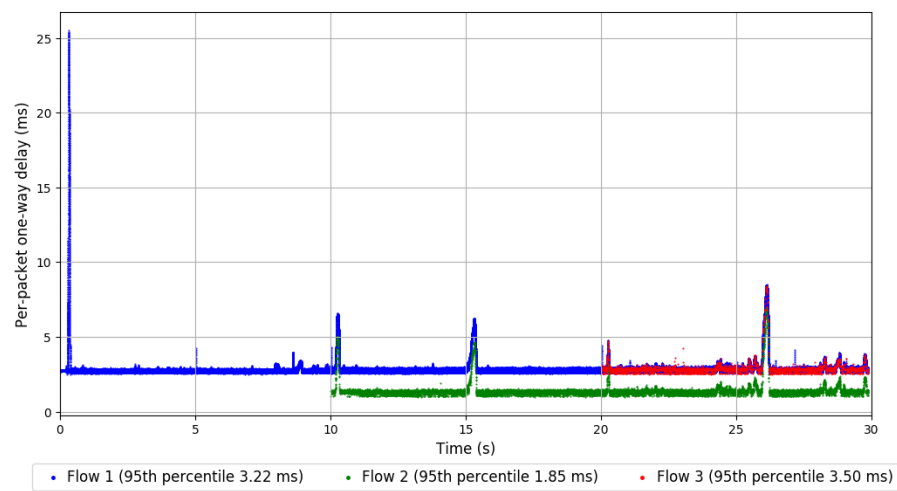
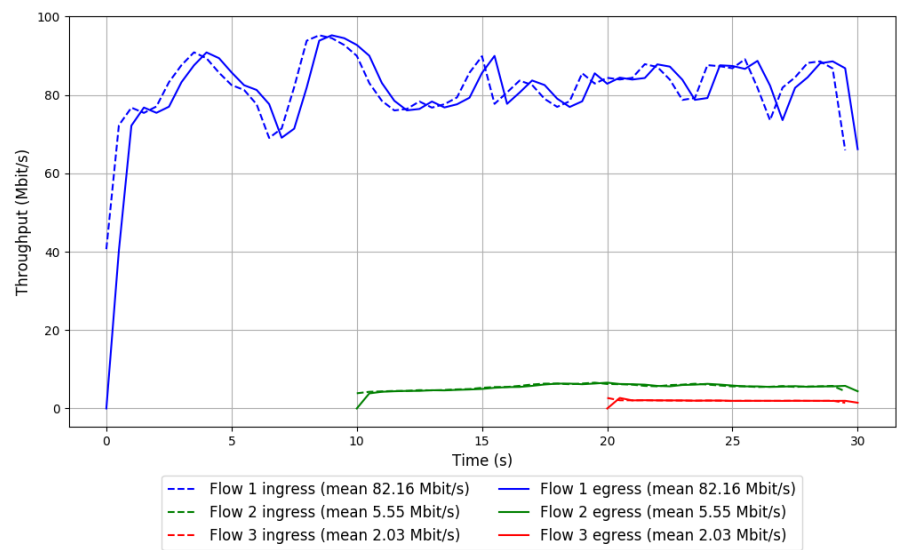


```
Run 1: Statistics of PCC-Allegro

Start at: 2019-08-26 23:10:26
End at: 2019-08-26 23:10:56
Local clock offset: -0.488 ms
Remote clock offset: 0.162 ms

# Below is generated by plot.py at 2019-08-27 01:35:43
# Datalink statistics
-- Total of 3 flows:
Average throughput: 86.52 Mbit/s
95th percentile per-packet one-way delay: 3.204 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 82.16 Mbit/s
95th percentile per-packet one-way delay: 3.216 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 5.55 Mbit/s
95th percentile per-packet one-way delay: 1.846 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 2.03 Mbit/s
95th percentile per-packet one-way delay: 3.498 ms
Loss rate: 0.00%
```

Run 1: Report of PCC-Allegro — Data Link



Run 2: Statistics of PCC-Allegro

Start at: 2019-08-26 23:37:37

End at: 2019-08-26 23:38:07

Local clock offset: -0.458 ms

Remote clock offset: 0.458 ms

Below is generated by plot.py at 2019-08-27 01:35:51

Datalink statistics

-- Total of 3 flows:

Average throughput: 91.40 Mbit/s

95th percentile per-packet one-way delay: 18.689 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 67.39 Mbit/s

95th percentile per-packet one-way delay: 14.909 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 33.65 Mbit/s

95th percentile per-packet one-way delay: 23.567 ms

Loss rate: 0.00%

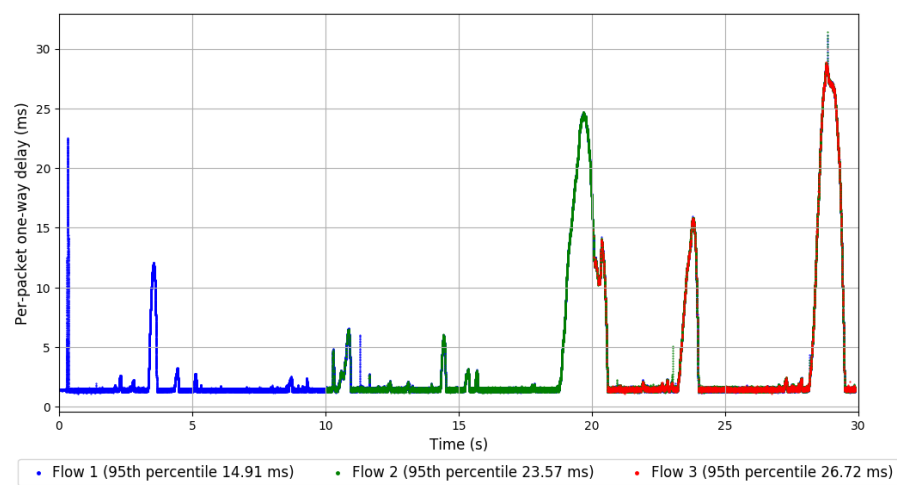
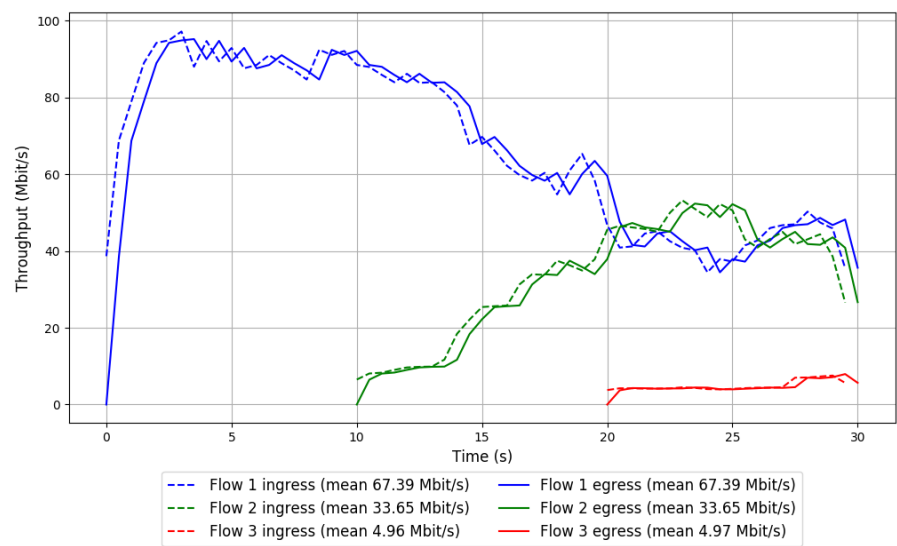
-- Flow 3:

Average throughput: 4.97 Mbit/s

95th percentile per-packet one-way delay: 26.721 ms

Loss rate: 0.00%

Run 2: Report of PCC-Allegro — Data Link



Run 3: Statistics of PCC-Allegro

Start at: 2019-08-27 00:04:46

End at: 2019-08-27 00:05:16

Local clock offset: -1.023 ms

Remote clock offset: 0.525 ms

Below is generated by plot.py at 2019-08-27 01:35:51

Datalink statistics

-- Total of 3 flows:

Average throughput: 88.35 Mbit/s

95th percentile per-packet one-way delay: 12.703 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 67.67 Mbit/s

95th percentile per-packet one-way delay: 10.132 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 23.86 Mbit/s

95th percentile per-packet one-way delay: 23.648 ms

Loss rate: 0.01%

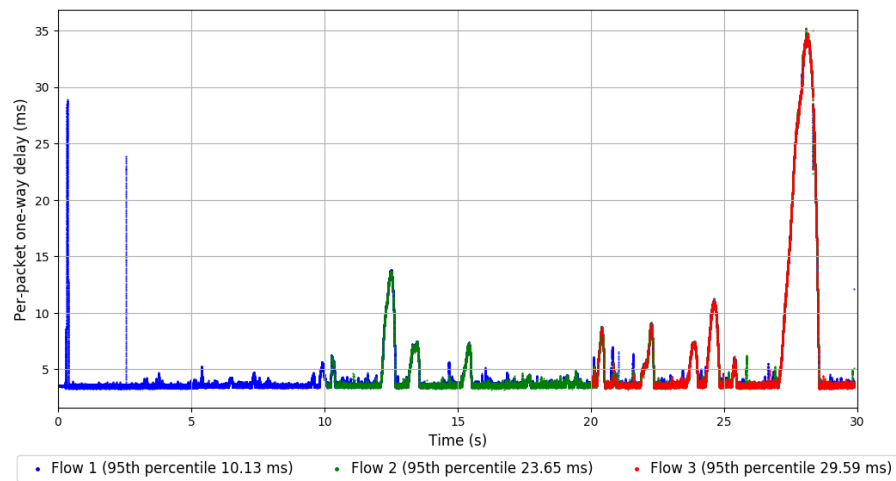
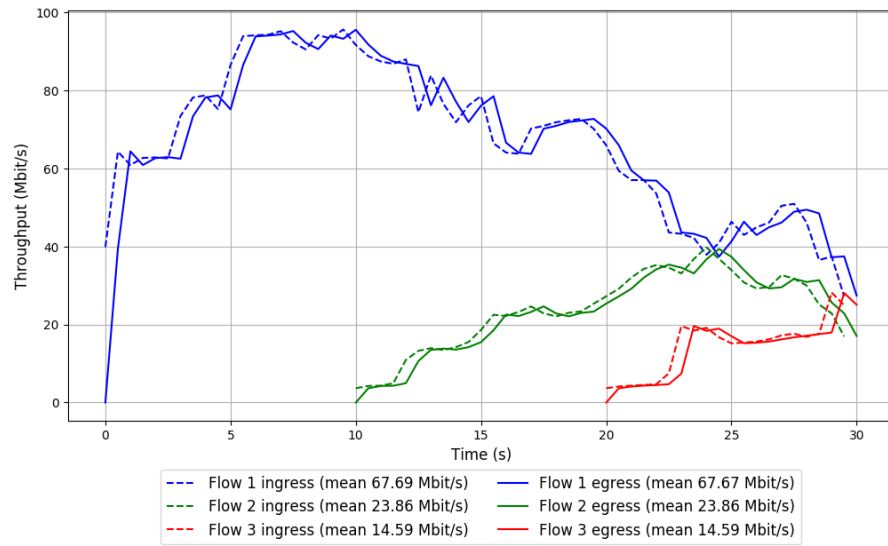
-- Flow 3:

Average throughput: 14.59 Mbit/s

95th percentile per-packet one-way delay: 29.588 ms

Loss rate: 0.03%

Run 3: Report of PCC-Allegro — Data Link



Run 4: Statistics of PCC-Allegro

Start at: 2019-08-27 00:31:56

End at: 2019-08-27 00:32:26

Local clock offset: -0.195 ms

Remote clock offset: 0.668 ms

Below is generated by plot.py at 2019-08-27 01:35:53

Datalink statistics

-- Total of 3 flows:

Average throughput: 89.48 Mbit/s

95th percentile per-packet one-way delay: 8.074 ms

Loss rate: 0.01%

-- Flow 1:

Average throughput: 63.07 Mbit/s

95th percentile per-packet one-way delay: 6.143 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 33.79 Mbit/s

95th percentile per-packet one-way delay: 17.233 ms

Loss rate: 0.01%

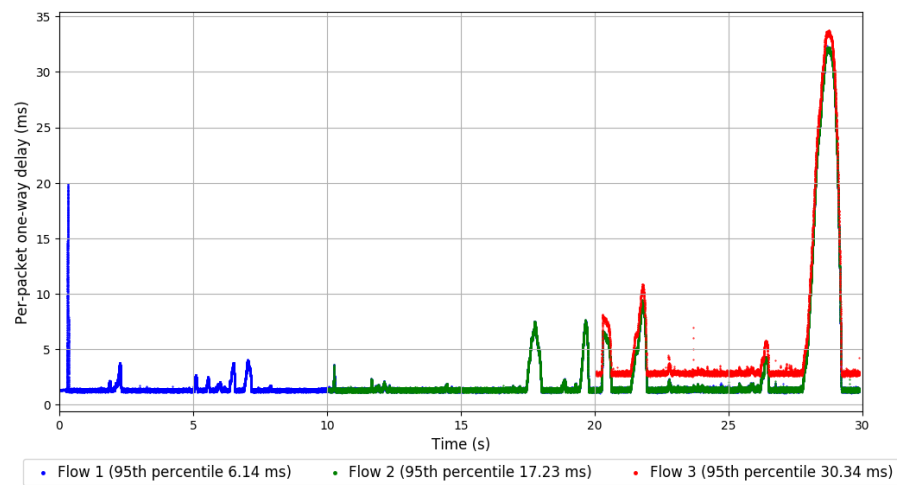
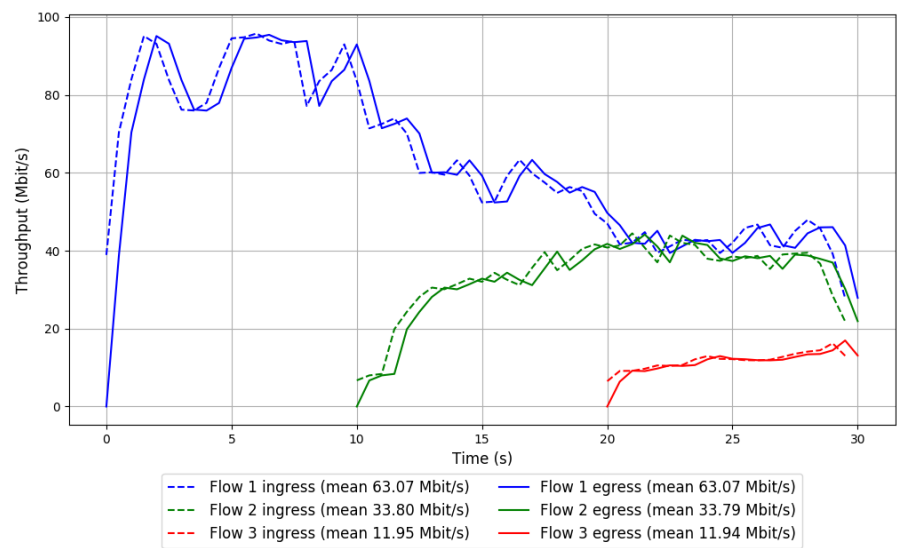
-- Flow 3:

Average throughput: 11.94 Mbit/s

95th percentile per-packet one-way delay: 30.344 ms

Loss rate: 0.02%

Run 4: Report of PCC-Allegro — Data Link



Run 5: Statistics of PCC-Allegro

Start at: 2019-08-27 00:59:06

End at: 2019-08-27 00:59:36

Local clock offset: -0.206 ms

Remote clock offset: 0.945 ms

Below is generated by plot.py at 2019-08-27 01:35:53

Datalink statistics

-- Total of 3 flows:

Average throughput: 80.97 Mbit/s

95th percentile per-packet one-way delay: 32.143 ms

Loss rate: 0.17%

-- Flow 1:

Average throughput: 59.27 Mbit/s

95th percentile per-packet one-way delay: 31.765 ms

Loss rate: 0.12%

-- Flow 2:

Average throughput: 25.60 Mbit/s

95th percentile per-packet one-way delay: 33.593 ms

Loss rate: 0.27%

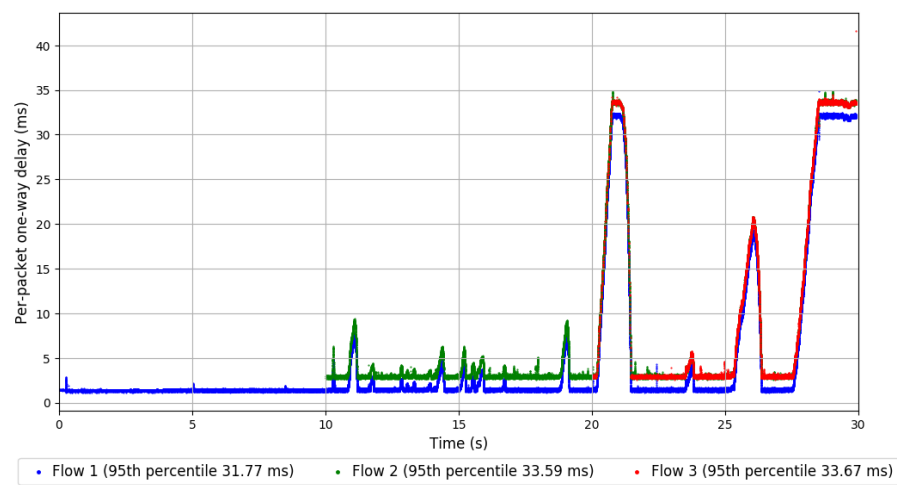
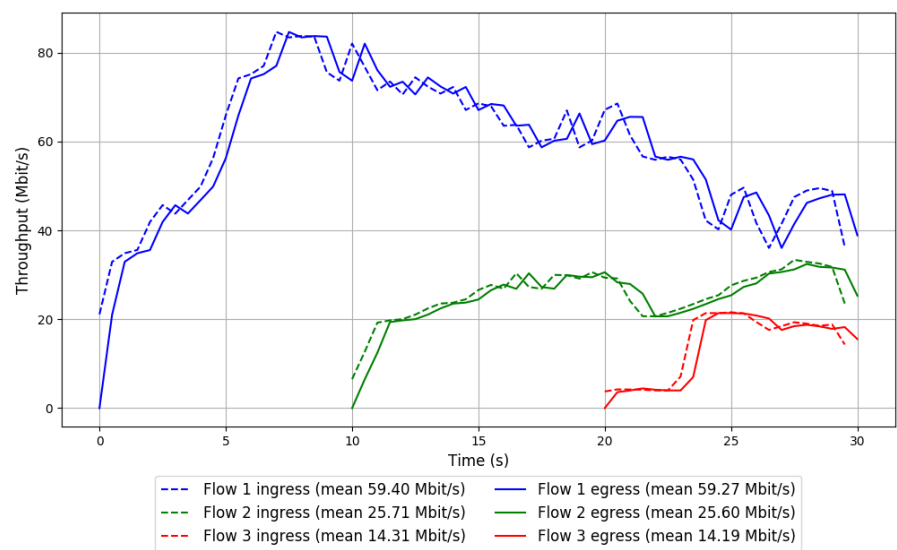
-- Flow 3:

Average throughput: 14.19 Mbit/s

95th percentile per-packet one-way delay: 33.666 ms

Loss rate: 0.52%

Run 5: Report of PCC-Allegro — Data Link

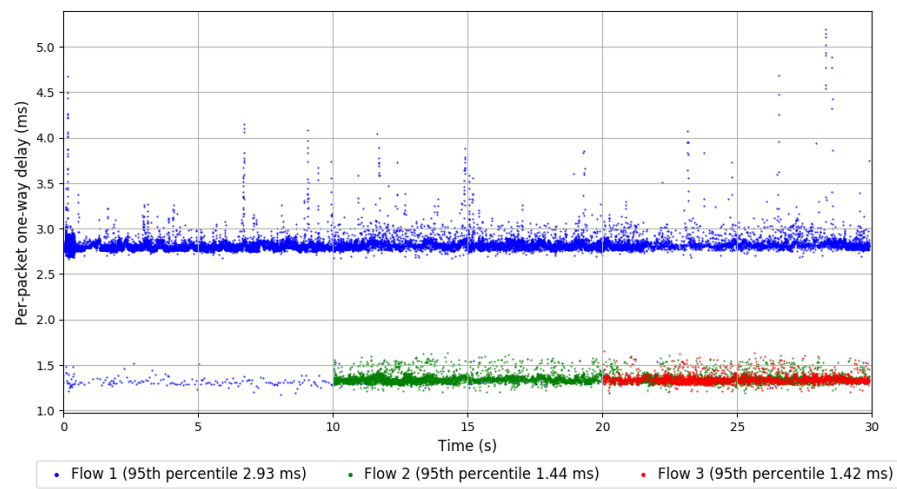
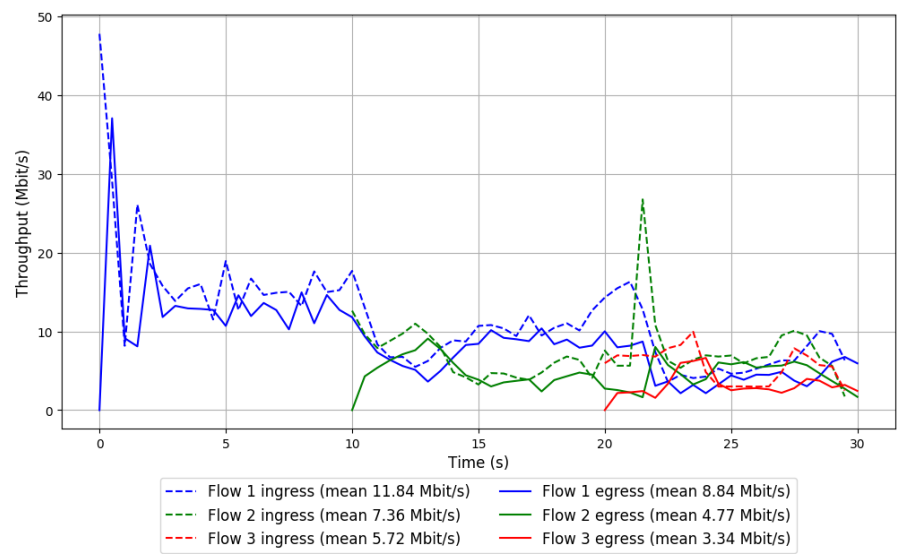


```
Run 1: Statistics of PCC-Expr

Start at: 2019-08-26 23:26:19
End at: 2019-08-26 23:26:49
Local clock offset: -0.447 ms
Remote clock offset: 0.365 ms

# Below is generated by plot.py at 2019-08-27 01:35:53
# Datalink statistics
-- Total of 3 flows:
Average throughput: 13.12 Mbit/s
95th percentile per-packet one-way delay: 2.893 ms
Loss rate: 29.56%
-- Flow 1:
Average throughput: 8.84 Mbit/s
95th percentile per-packet one-way delay: 2.928 ms
Loss rate: 25.34%
-- Flow 2:
Average throughput: 4.77 Mbit/s
95th percentile per-packet one-way delay: 1.444 ms
Loss rate: 35.14%
-- Flow 3:
Average throughput: 3.34 Mbit/s
95th percentile per-packet one-way delay: 1.419 ms
Loss rate: 41.58%
```

Run 1: Report of PCC-Expr — Data Link

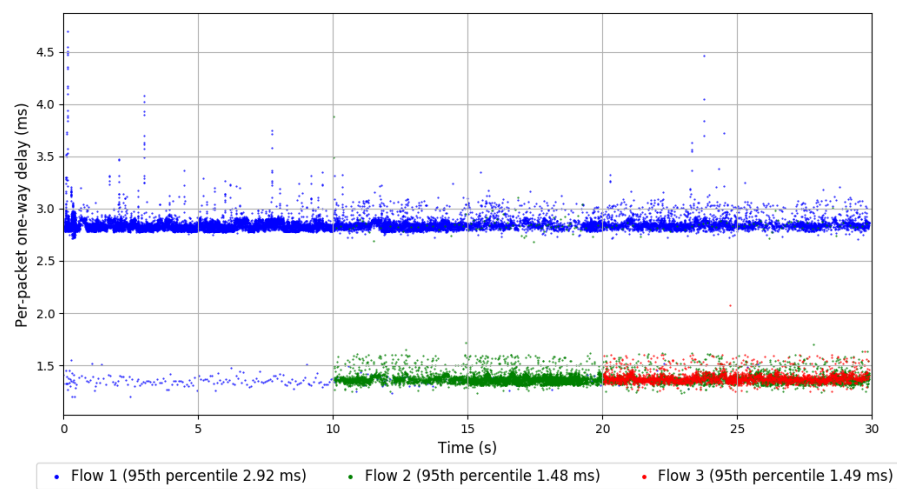
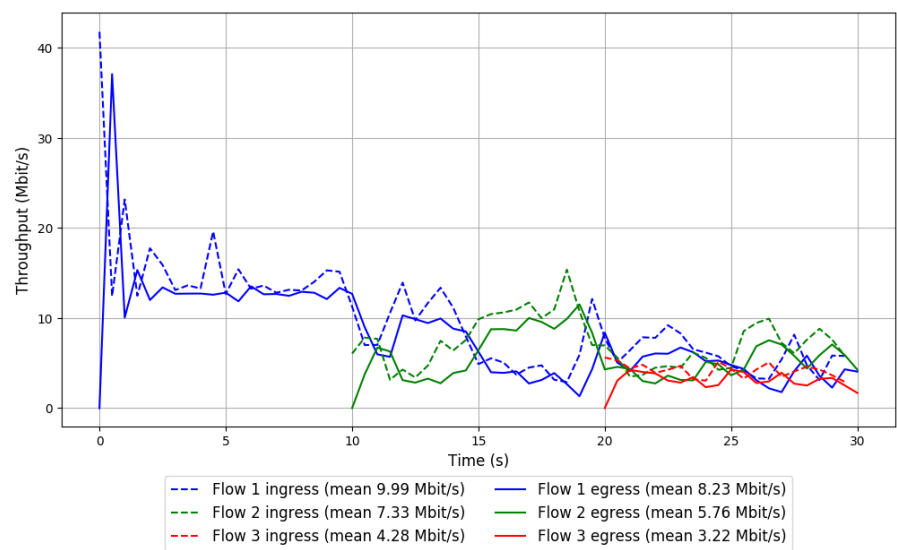



```
Run 2: Statistics of PCC-Expr

Start at: 2019-08-26 23:53:30
End at: 2019-08-26 23:54:00
Local clock offset: -0.34 ms
Remote clock offset: 0.533 ms

# Below is generated by plot.py at 2019-08-27 01:35:53
# Datalink statistics
-- Total of 3 flows:
Average throughput: 13.12 Mbit/s
95th percentile per-packet one-way delay: 2.896 ms
Loss rate: 19.41%
-- Flow 1:
Average throughput: 8.23 Mbit/s
95th percentile per-packet one-way delay: 2.924 ms
Loss rate: 17.69%
-- Flow 2:
Average throughput: 5.76 Mbit/s
95th percentile per-packet one-way delay: 1.482 ms
Loss rate: 21.34%
-- Flow 3:
Average throughput: 3.22 Mbit/s
95th percentile per-packet one-way delay: 1.485 ms
Loss rate: 24.91%
```

Run 2: Report of PCC-Expr — Data Link



Run 3: Statistics of PCC-Expr

Start at: 2019-08-27 00:20:39

End at: 2019-08-27 00:21:09

Local clock offset: -0.96 ms

Remote clock offset: 0.708 ms

Below is generated by plot.py at 2019-08-27 01:35:53

Datalink statistics

-- Total of 3 flows:

Average throughput: 13.12 Mbit/s

95th percentile per-packet one-way delay: 3.731 ms

Loss rate: 20.49%

-- Flow 1:

Average throughput: 8.49 Mbit/s

95th percentile per-packet one-way delay: 3.713 ms

Loss rate: 18.80%

-- Flow 2:

Average throughput: 5.93 Mbit/s

95th percentile per-packet one-way delay: 3.759 ms

Loss rate: 20.86%

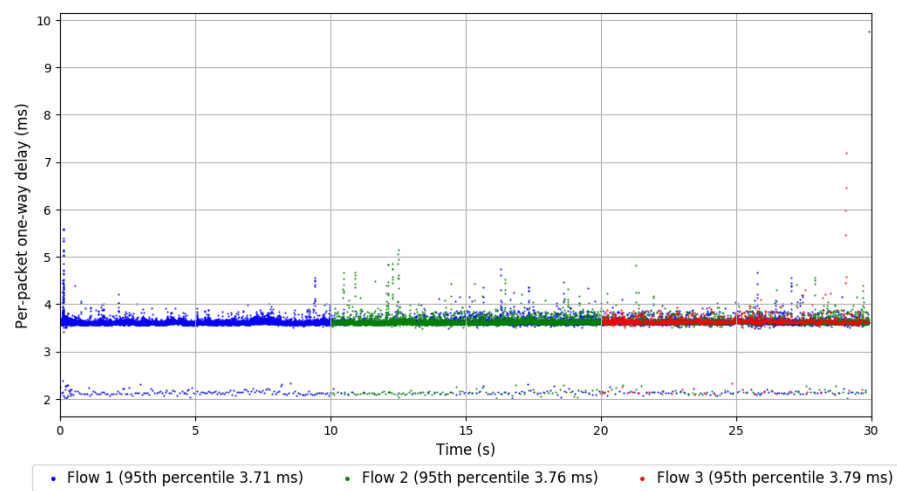
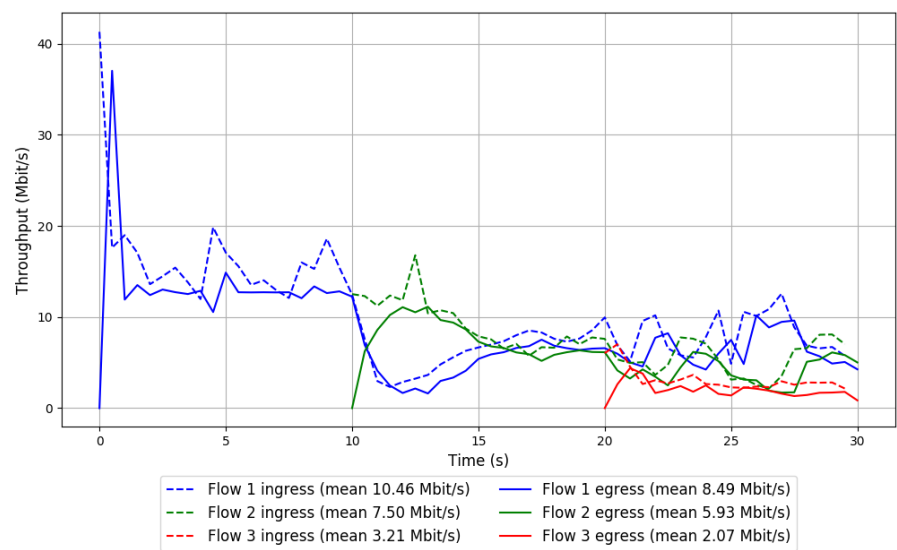
-- Flow 3:

Average throughput: 2.07 Mbit/s

95th percentile per-packet one-way delay: 3.790 ms

Loss rate: 35.47%

Run 3: Report of PCC-Expr — Data Link



Run 4: Statistics of PCC-Expr

Start at: 2019-08-27 00:47:49

End at: 2019-08-27 00:48:19

Local clock offset: -0.194 ms

Remote clock offset: 0.844 ms

Below is generated by plot.py at 2019-08-27 01:35:53

Datalink statistics

-- Total of 3 flows:

Average throughput: 13.12 Mbit/s

95th percentile per-packet one-way delay: 2.803 ms

Loss rate: 24.22%

-- Flow 1:

Average throughput: 7.91 Mbit/s

95th percentile per-packet one-way delay: 2.809 ms

Loss rate: 24.06%

-- Flow 2:

Average throughput: 5.95 Mbit/s

95th percentile per-packet one-way delay: 2.827 ms

Loss rate: 22.48%

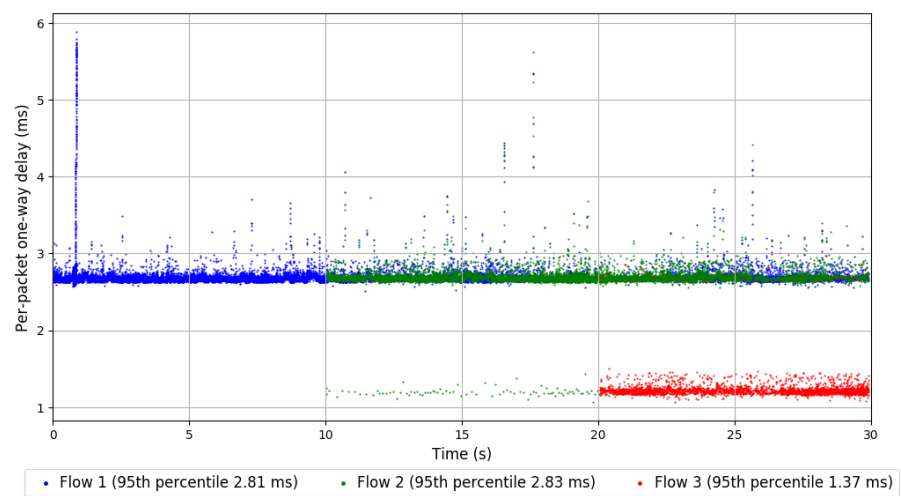
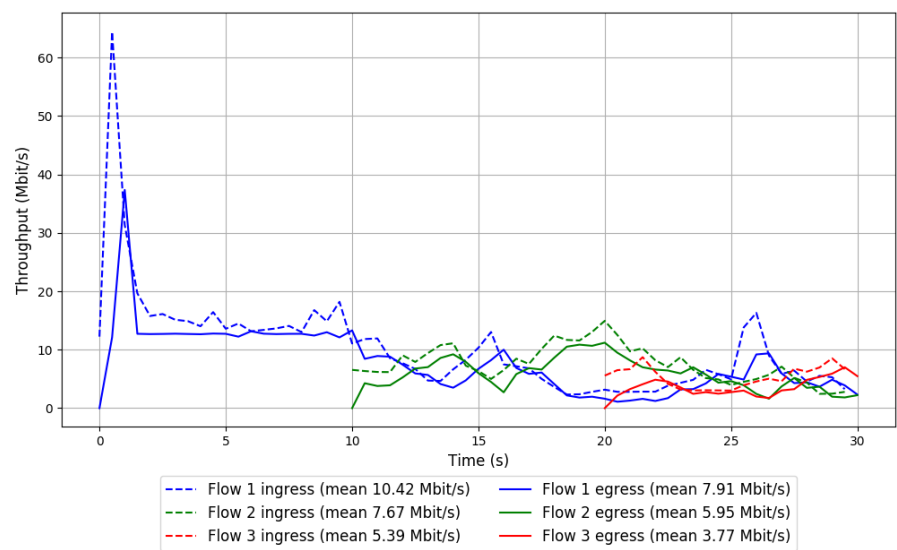
-- Flow 3:

Average throughput: 3.77 Mbit/s

95th percentile per-packet one-way delay: 1.374 ms

Loss rate: 30.10%

Run 4: Report of PCC-Expr — Data Link



Run 5: Statistics of PCC-Expr

Start at: 2019-08-27 01:14:59

End at: 2019-08-27 01:15:29

Local clock offset: -0.275 ms

Remote clock offset: 0.916 ms

Below is generated by plot.py at 2019-08-27 01:35:53

Datalink statistics

-- Total of 3 flows:

Average throughput: 13.12 Mbit/s

95th percentile per-packet one-way delay: 3.026 ms

Loss rate: 26.57%

-- Flow 1:

Average throughput: 9.20 Mbit/s

95th percentile per-packet one-way delay: 3.079 ms

Loss rate: 25.90%

-- Flow 2:

Average throughput: 4.45 Mbit/s

95th percentile per-packet one-way delay: 3.001 ms

Loss rate: 26.85%

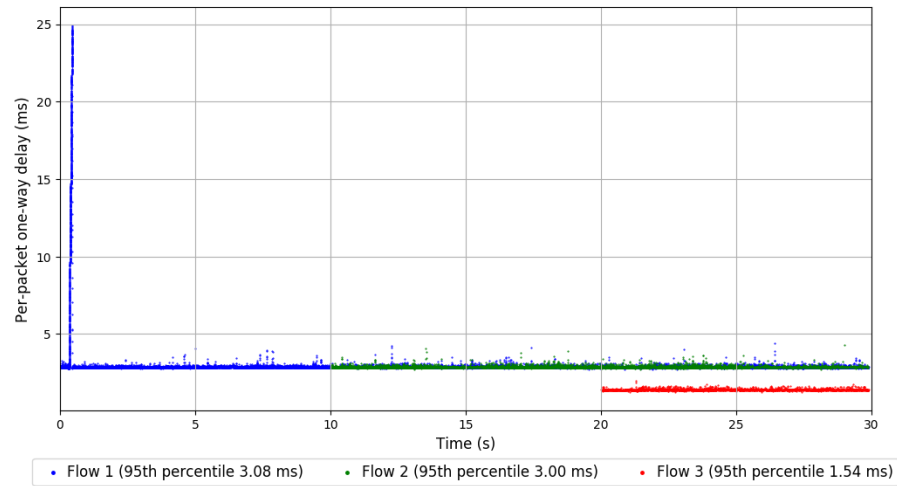
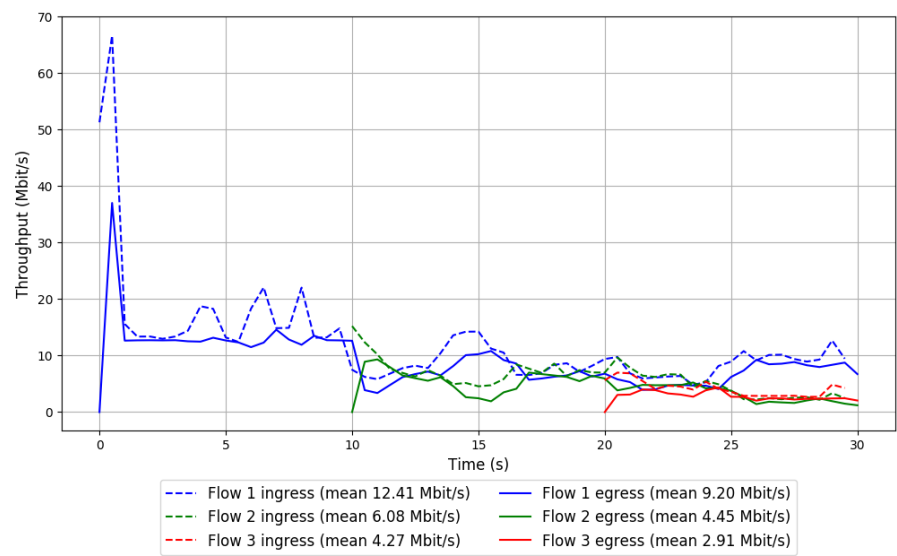
-- Flow 3:

Average throughput: 2.91 Mbit/s

95th percentile per-packet one-way delay: 1.544 ms

Loss rate: 31.71%

Run 5: Report of PCC-Expr — Data Link

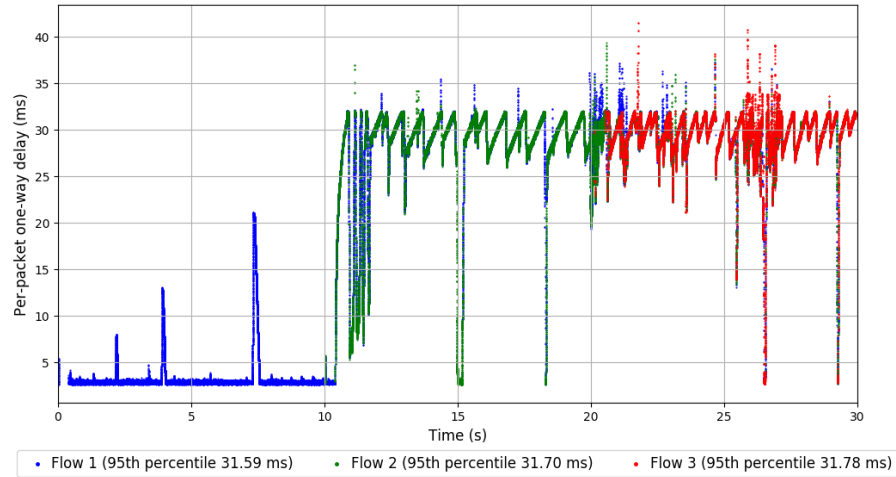
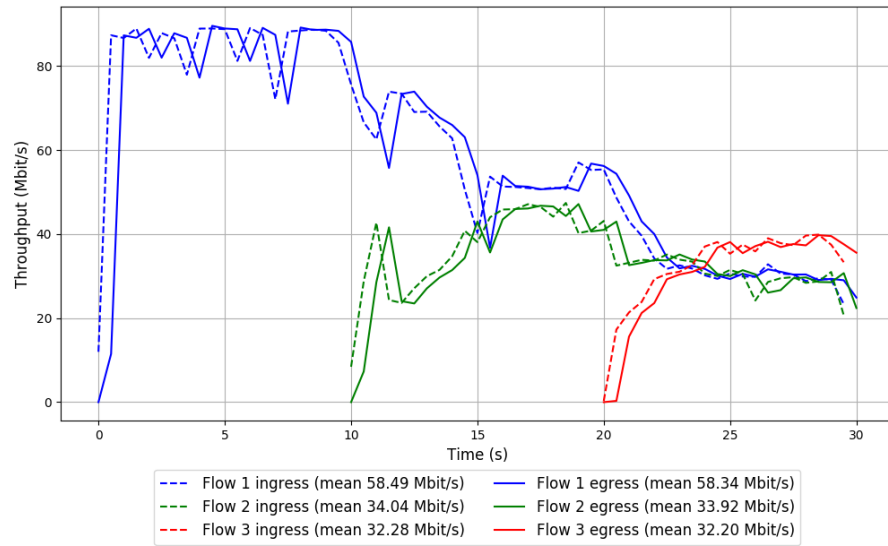



```
Run 1: Statistics of QUIC Cubic

Start at: 2019-08-26 23:18:20
End at: 2019-08-26 23:18:50
Local clock offset: -0.453 ms
Remote clock offset: 0.242 ms

# Below is generated by plot.py at 2019-08-27 01:36:26
# Datalink statistics
-- Total of 3 flows:
Average throughput: 91.50 Mbit/s
95th percentile per-packet one-way delay: 31.661 ms
Loss rate: 0.18%
-- Flow 1:
Average throughput: 58.34 Mbit/s
95th percentile per-packet one-way delay: 31.591 ms
Loss rate: 0.16%
-- Flow 2:
Average throughput: 33.92 Mbit/s
95th percentile per-packet one-way delay: 31.701 ms
Loss rate: 0.22%
-- Flow 3:
Average throughput: 32.20 Mbit/s
95th percentile per-packet one-way delay: 31.780 ms
Loss rate: 0.18%
```

Run 1: Report of QUIC Cubic — Data Link



Run 2: Statistics of QUIC Cubic

Start at: 2019-08-26 23:45:31

End at: 2019-08-26 23:46:01

Local clock offset: -1.131 ms

Remote clock offset: 0.418 ms

Below is generated by plot.py at 2019-08-27 01:36:26

Datalink statistics

-- Total of 3 flows:

Average throughput: 90.45 Mbit/s

95th percentile per-packet one-way delay: 32.106 ms

Loss rate: 0.18%

-- Flow 1:

Average throughput: 54.23 Mbit/s

95th percentile per-packet one-way delay: 30.805 ms

Loss rate: 0.17%

-- Flow 2:

Average throughput: 40.36 Mbit/s

95th percentile per-packet one-way delay: 32.362 ms

Loss rate: 0.17%

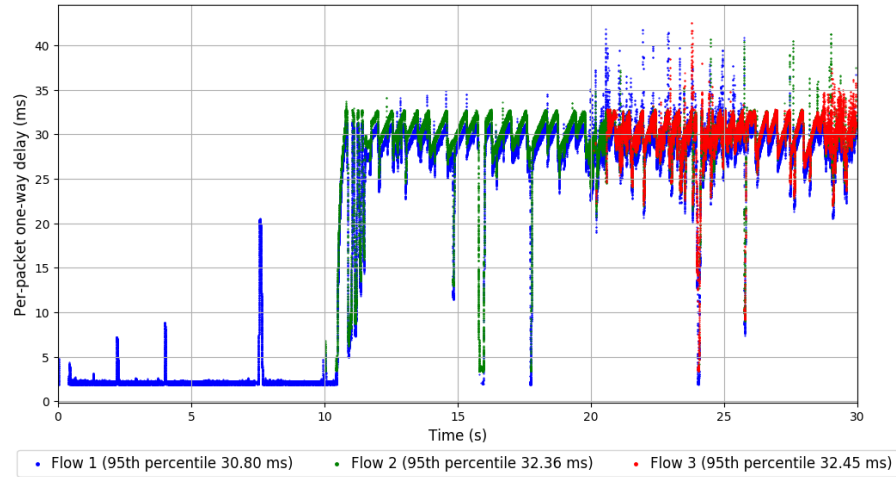
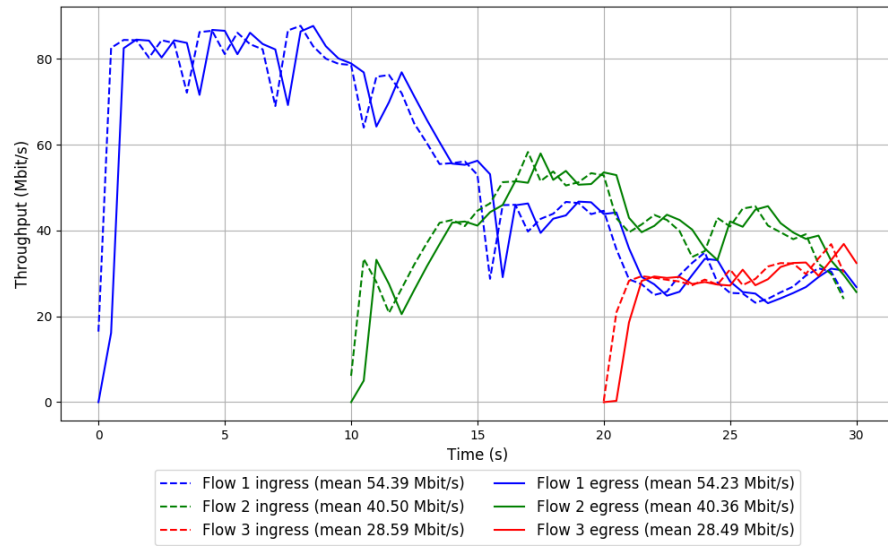
-- Flow 3:

Average throughput: 28.49 Mbit/s

95th percentile per-packet one-way delay: 32.451 ms

Loss rate: 0.28%

Run 2: Report of QUIC Cubic — Data Link



Run 3: Statistics of QUIC Cubic

Start at: 2019-08-27 00:12:41

End at: 2019-08-27 00:13:11

Local clock offset: -0.206 ms

Remote clock offset: 0.579 ms

Below is generated by plot.py at 2019-08-27 01:36:38

Datalink statistics

-- Total of 3 flows:

Average throughput: 90.38 Mbit/s

95th percentile per-packet one-way delay: 31.614 ms

Loss rate: 0.14%

-- Flow 1:

Average throughput: 57.93 Mbit/s

95th percentile per-packet one-way delay: 31.544 ms

Loss rate: 0.12%

-- Flow 2:

Average throughput: 36.54 Mbit/s

95th percentile per-packet one-way delay: 31.704 ms

Loss rate: 0.16%

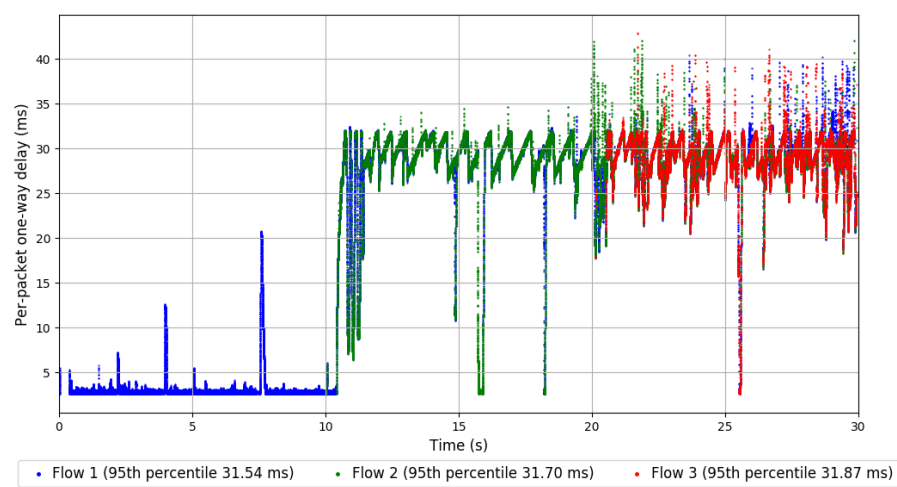
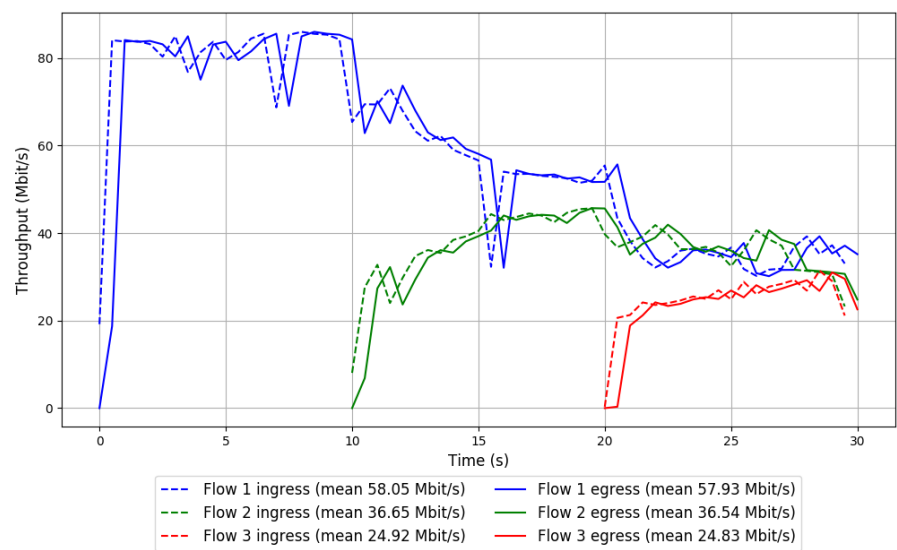
-- Flow 3:

Average throughput: 24.83 Mbit/s

95th percentile per-packet one-way delay: 31.874 ms

Loss rate: 0.26%

Run 3: Report of QUIC Cubic — Data Link



Run 4: Statistics of QUIC Cubic

Start at: 2019-08-27 00:39:50

End at: 2019-08-27 00:40:20

Local clock offset: -0.238 ms

Remote clock offset: 0.789 ms

Below is generated by plot.py at 2019-08-27 01:36:55

Datalink statistics

-- Total of 3 flows:

Average throughput: 91.18 Mbit/s

95th percentile per-packet one-way delay: 31.347 ms

Loss rate: 0.14%

-- Flow 1:

Average throughput: 59.35 Mbit/s

95th percentile per-packet one-way delay: 31.497 ms

Loss rate: 0.11%

-- Flow 2:

Average throughput: 32.48 Mbit/s

95th percentile per-packet one-way delay: 30.216 ms

Loss rate: 0.18%

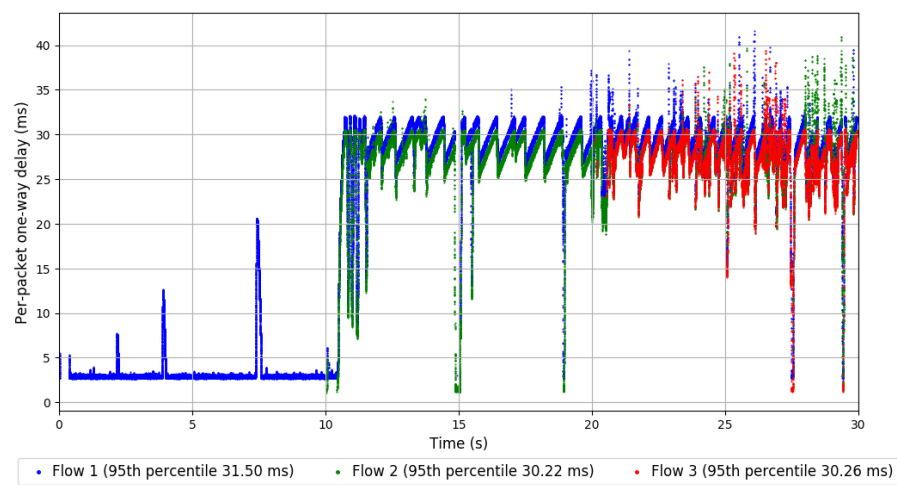
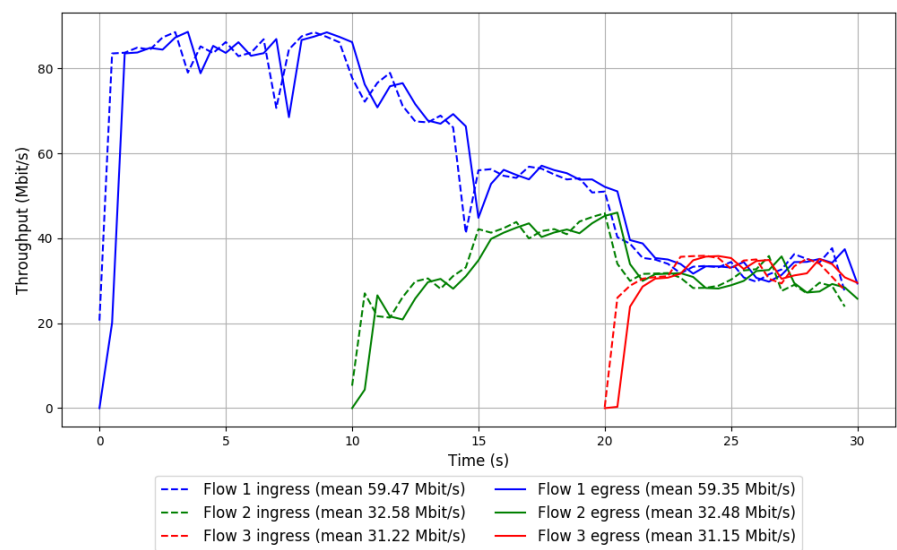
-- Flow 3:

Average throughput: 31.15 Mbit/s

95th percentile per-packet one-way delay: 30.262 ms

Loss rate: 0.23%

Run 4: Report of QUIC Cubic — Data Link



Run 5: Statistics of QUIC Cubic

Start at: 2019-08-27 01:06:59

End at: 2019-08-27 01:07:29

Local clock offset: -0.983 ms

Remote clock offset: 0.931 ms

Below is generated by plot.py at 2019-08-27 01:36:56

Datalink statistics

-- Total of 3 flows:

Average throughput: 90.65 Mbit/s

95th percentile per-packet one-way delay: 32.110 ms

Loss rate: 0.14%

-- Flow 1:

Average throughput: 58.04 Mbit/s

95th percentile per-packet one-way delay: 32.275 ms

Loss rate: 0.14%

-- Flow 2:

Average throughput: 34.81 Mbit/s

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

Loss rate: 0.14%

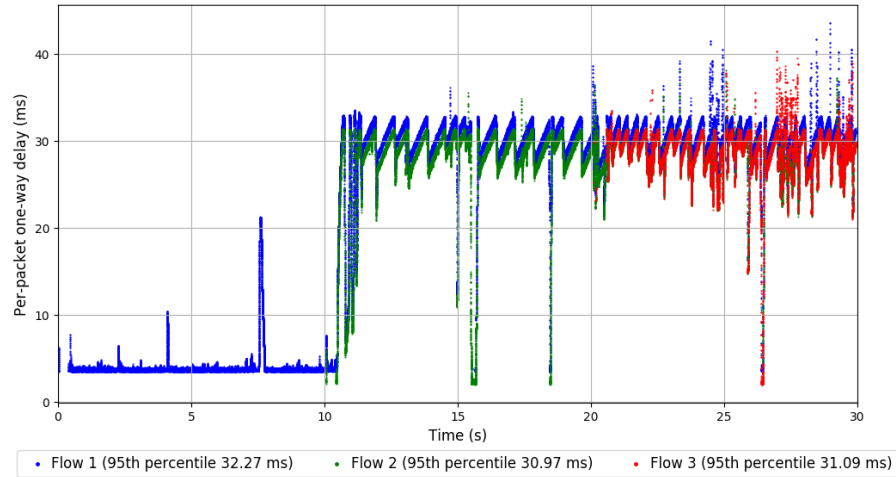
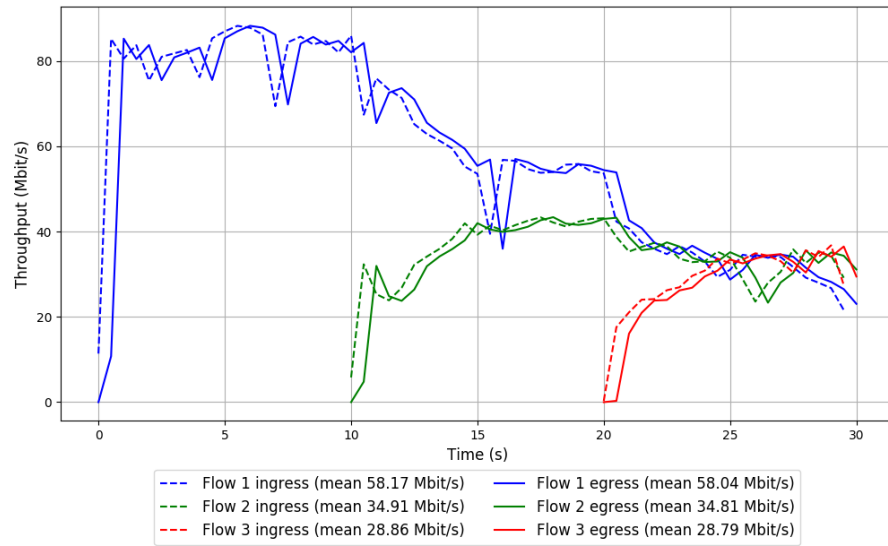
-- Flow 3:

Average throughput: 28.79 Mbit/s

95th percentile per-packet one-way delay: 31.088 ms

Loss rate: 0.17%

Run 5: Report of QUIC Cubic — Data Link

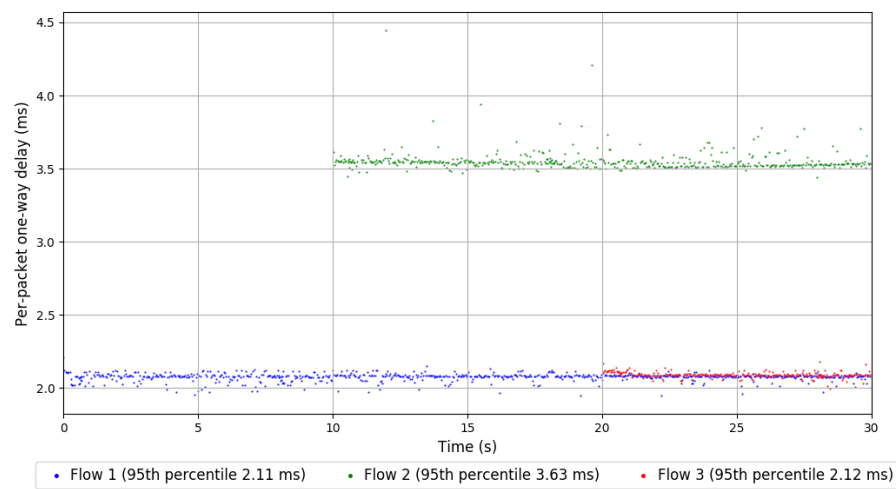
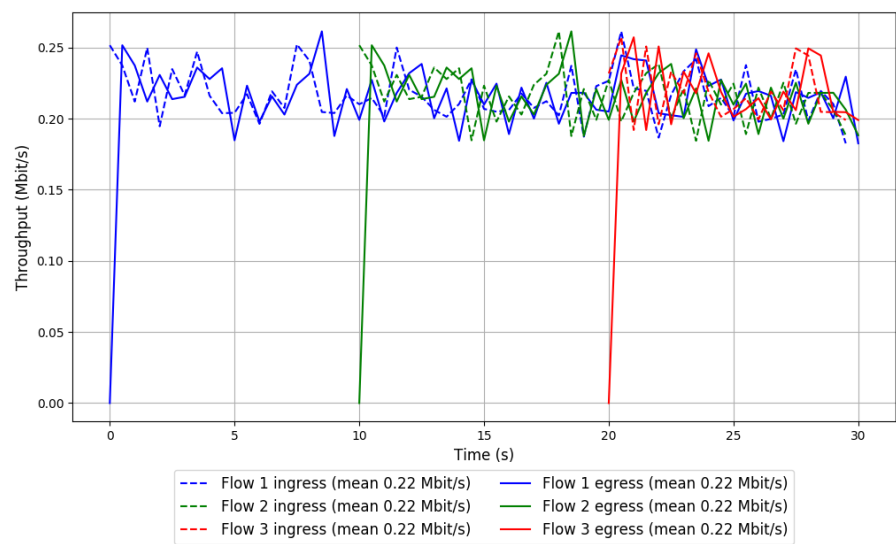


```
Run 1: Statistics of SReAM

Start at: 2019-08-26 23:28:31
End at: 2019-08-26 23:29:01
Local clock offset: -1.19 ms
Remote clock offset: 0.368 ms

# Below is generated by plot.py at 2019-08-27 01:36:56
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.44 Mbit/s
95th percentile per-packet one-way delay: 3.567 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 2.111 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 3.632 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 2.120 ms
Loss rate: 0.00%
```

Run 1: Report of SReAM — Data Link

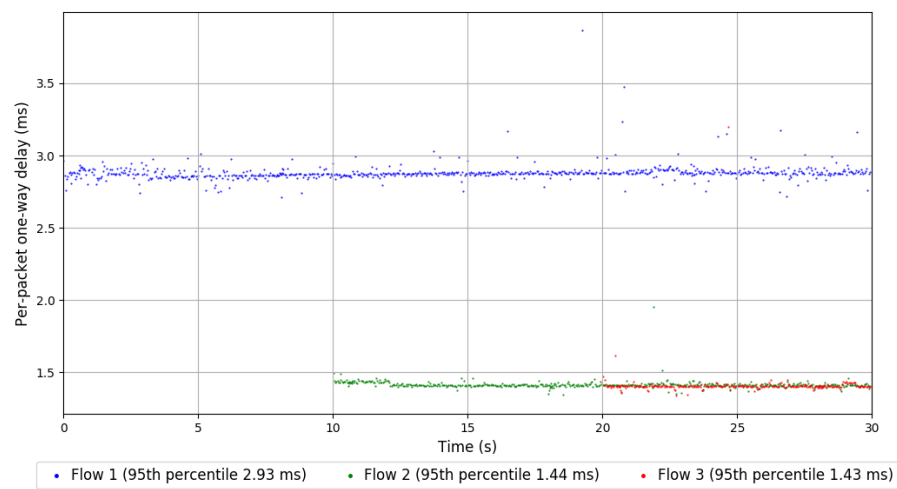
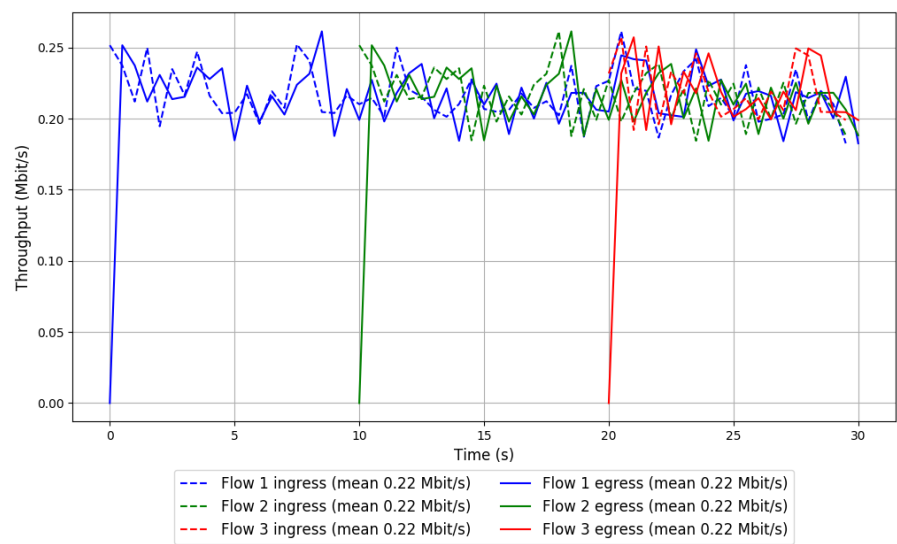


Run 2: Statistics of SReAM

Start at: 2019-08-26 23:55:41
End at: 2019-08-26 23:56:11
Local clock offset: -0.348 ms
Remote clock offset: 0.547 ms

Below is generated by plot.py at 2019-08-27 01:36:56
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.44 Mbit/s
95th percentile per-packet one-way delay: 2.908 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 2.932 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 1.441 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 1.429 ms
Loss rate: 0.00%

Run 2: Report of SReAM — Data Link

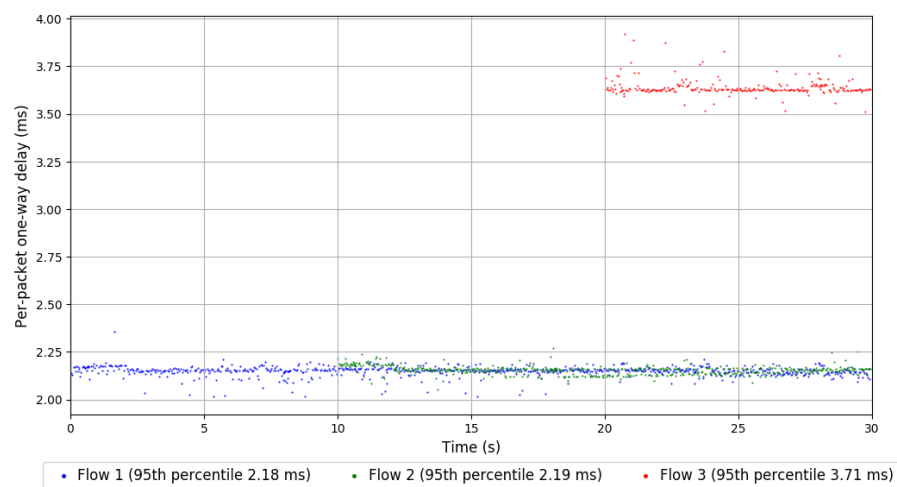
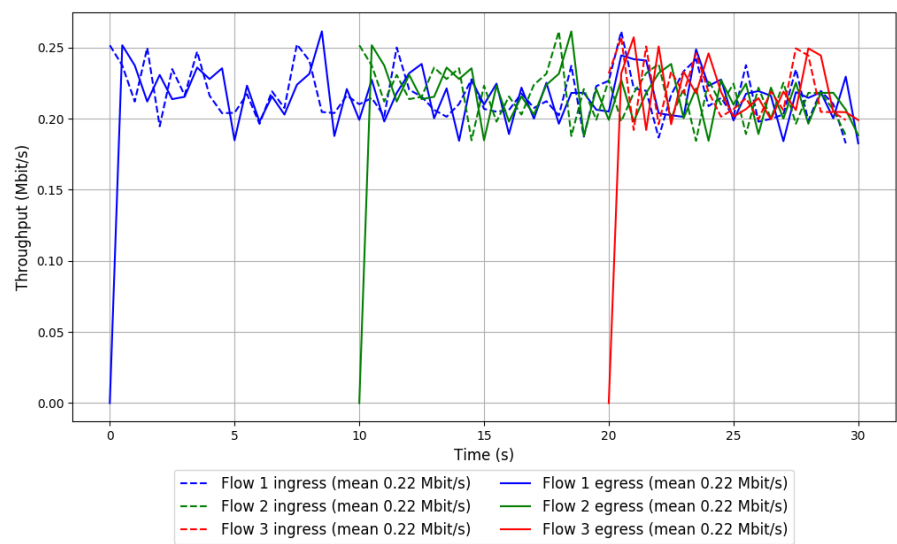


Run 3: Statistics of SReAM

Start at: 2019-08-27 00:22:50
End at: 2019-08-27 00:23:20
Local clock offset: -1.017 ms
Remote clock offset: 0.644 ms

Below is generated by plot.py at 2019-08-27 01:36:56
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.44 Mbit/s
95th percentile per-packet one-way delay: 3.637 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 2.184 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 2.191 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 3.714 ms
Loss rate: 0.00%

Run 3: Report of SReAM — Data Link

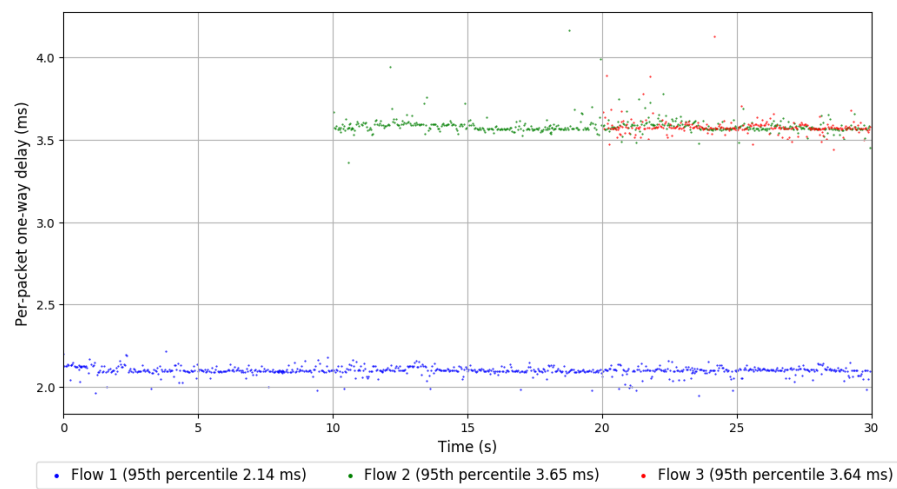
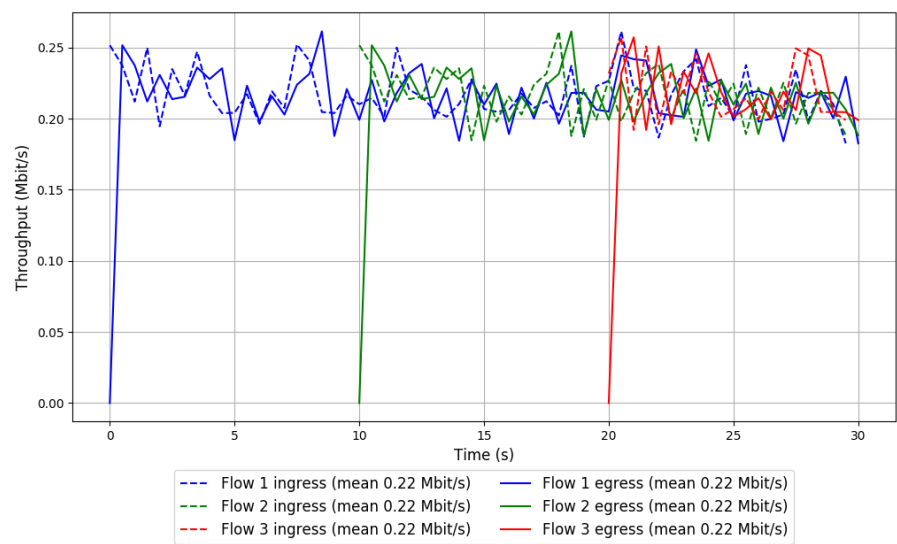


Run 4: Statistics of SReAM

Start at: 2019-08-27 00:50:00
End at: 2019-08-27 00:50:30
Local clock offset: -0.974 ms
Remote clock offset: 0.92 ms

Below is generated by plot.py at 2019-08-27 01:36:56
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.44 Mbit/s
95th percentile per-packet one-way delay: 3.615 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 2.137 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 3.646 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 3.639 ms
Loss rate: 0.00%

Run 4: Report of SReAM — Data Link

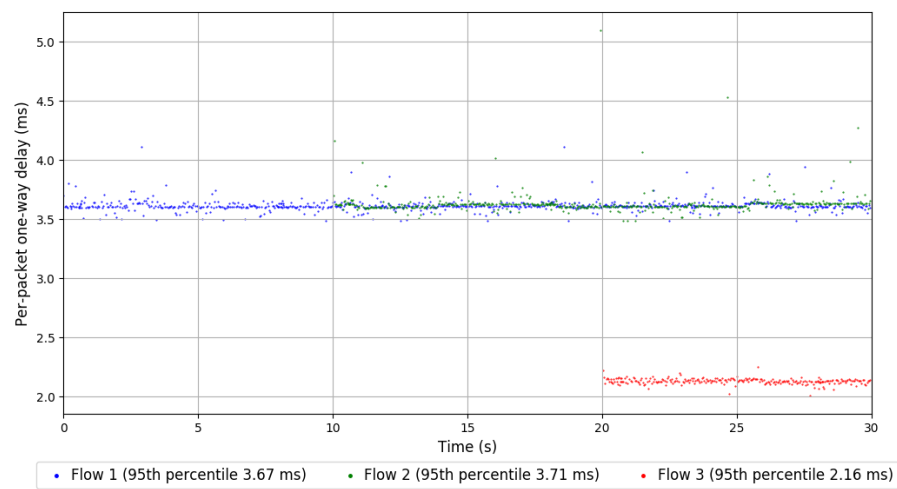
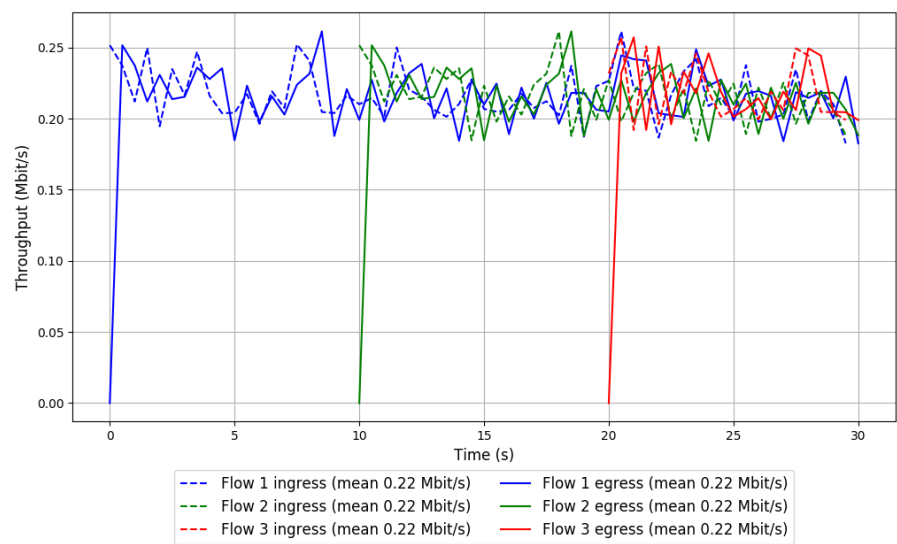


Run 5: Statistics of SCReAM

Start at: 2019-08-27 01:17:10
End at: 2019-08-27 01:17:40
Local clock offset: -1.009 ms
Remote clock offset: 0.906 ms

Below is generated by plot.py at 2019-08-27 01:36:56
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.44 Mbit/s
95th percentile per-packet one-way delay: 3.668 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 3.668 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 3.706 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 2.158 ms
Loss rate: 0.00%

Run 5: Report of SReAM — Data Link

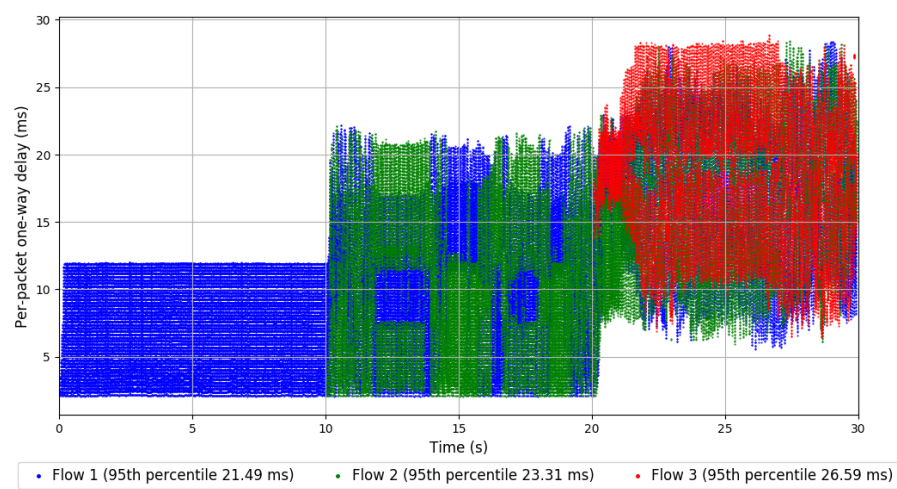
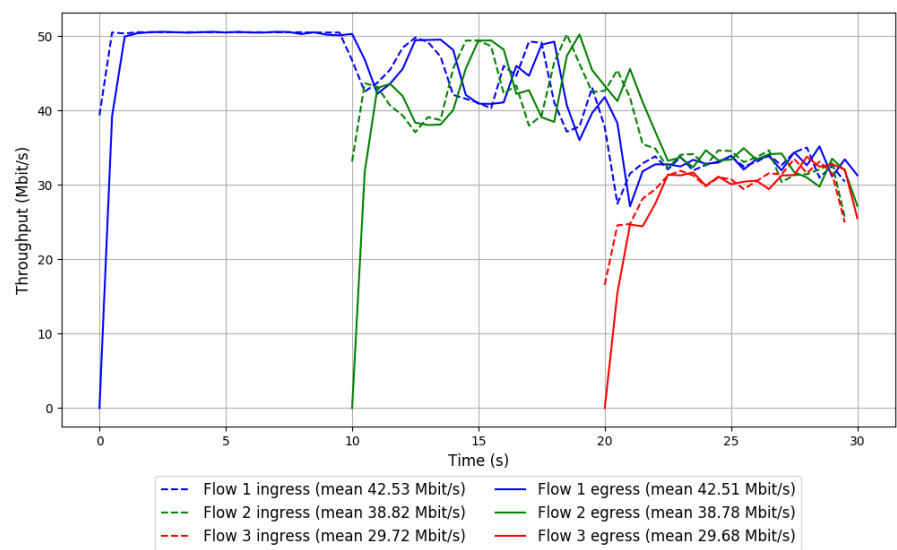


Run 1: Statistics of Sprout

Start at: 2019-08-26 23:22:55
End at: 2019-08-26 23:23:25
Local clock offset: -1.291 ms
Remote clock offset: 0.328 ms

Below is generated by plot.py at 2019-08-27 01:36:56
Datalink statistics
-- Total of 3 flows:
Average throughput: 78.11 Mbit/s
95th percentile per-packet one-way delay: 23.535 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 42.51 Mbit/s
95th percentile per-packet one-way delay: 21.490 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 38.78 Mbit/s
95th percentile per-packet one-way delay: 23.311 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 29.68 Mbit/s
95th percentile per-packet one-way delay: 26.591 ms
Loss rate: 0.00%

Run 1: Report of Sprout — Data Link

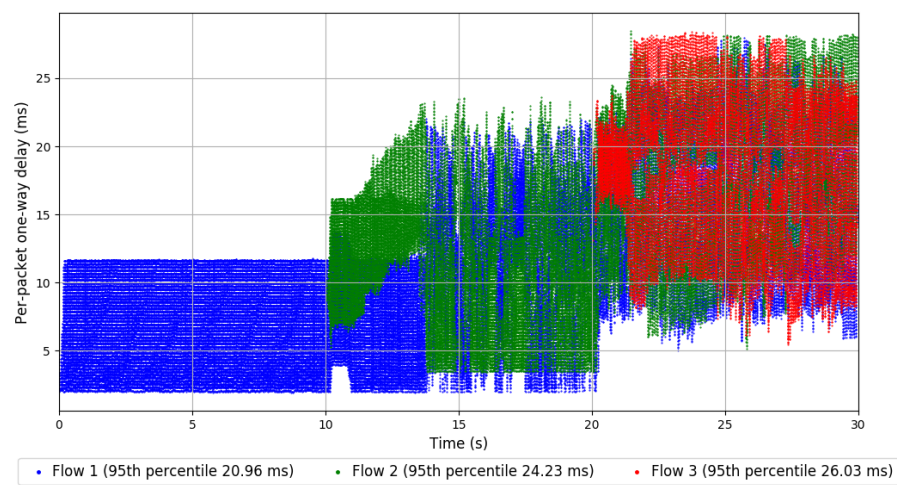
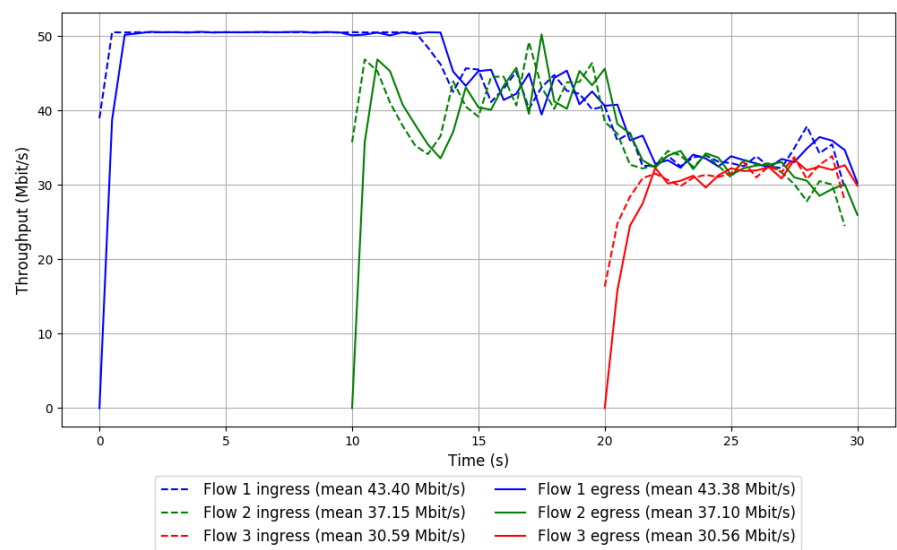


Run 2: Statistics of Sprout

Start at: 2019-08-26 23:50:05
End at: 2019-08-26 23:50:35
Local clock offset: -1.089 ms
Remote clock offset: 0.452 ms

Below is generated by plot.py at 2019-08-27 01:36:56
Datalink statistics
-- Total of 3 flows:
Average throughput: 78.15 Mbit/s
95th percentile per-packet one-way delay: 23.462 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 43.38 Mbit/s
95th percentile per-packet one-way delay: 20.964 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 37.10 Mbit/s
95th percentile per-packet one-way delay: 24.227 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 30.56 Mbit/s
95th percentile per-packet one-way delay: 26.029 ms
Loss rate: 0.00%

Run 2: Report of Sprout — Data Link

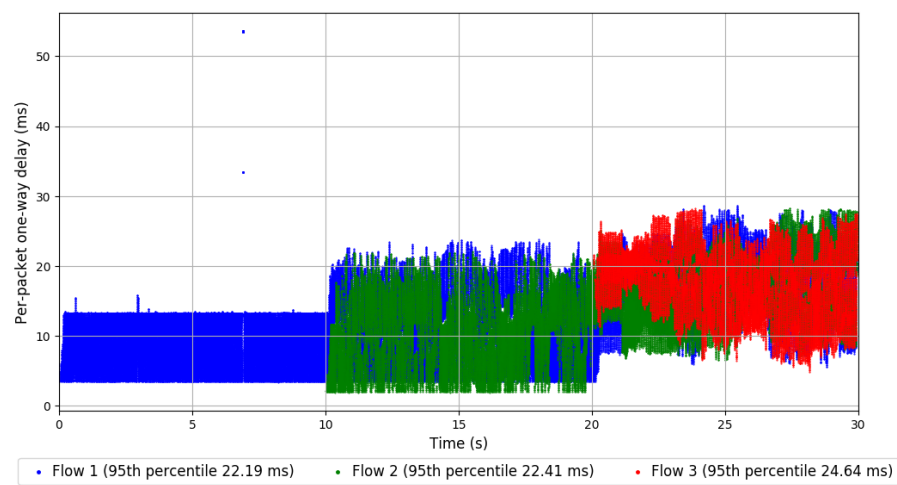
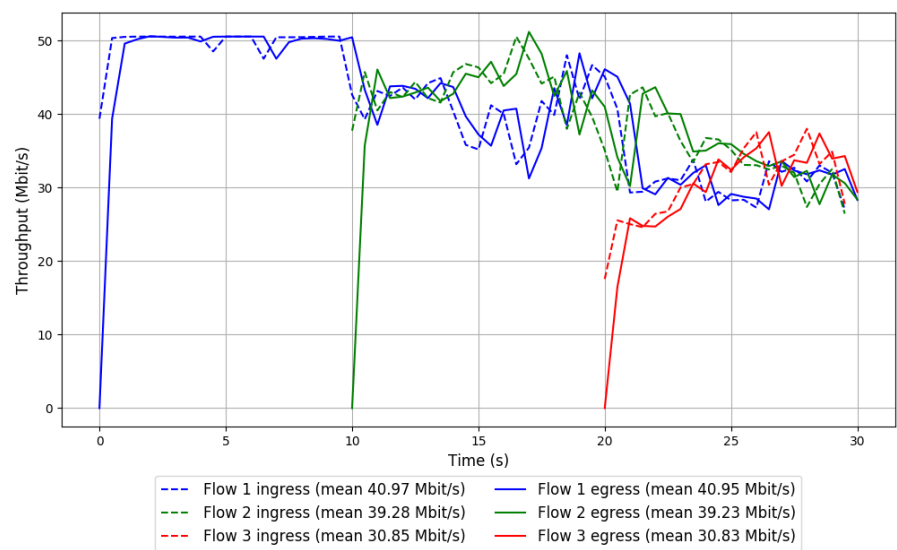


Run 3: Statistics of Sprout

Start at: 2019-08-27 00:17:15
End at: 2019-08-27 00:17:45
Local clock offset: -0.976 ms
Remote clock offset: 0.58 ms

```
# Below is generated by plot.py at 2019-08-27 01:36:56
# Datalink statistics
-- Total of 3 flows:
Average throughput: 77.23 Mbit/s
95th percentile per-packet one-way delay: 22.870 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 40.95 Mbit/s
95th percentile per-packet one-way delay: 22.194 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 39.23 Mbit/s
95th percentile per-packet one-way delay: 22.409 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 30.83 Mbit/s
95th percentile per-packet one-way delay: 24.644 ms
Loss rate: 0.00%
```

Run 3: Report of Sprout — Data Link

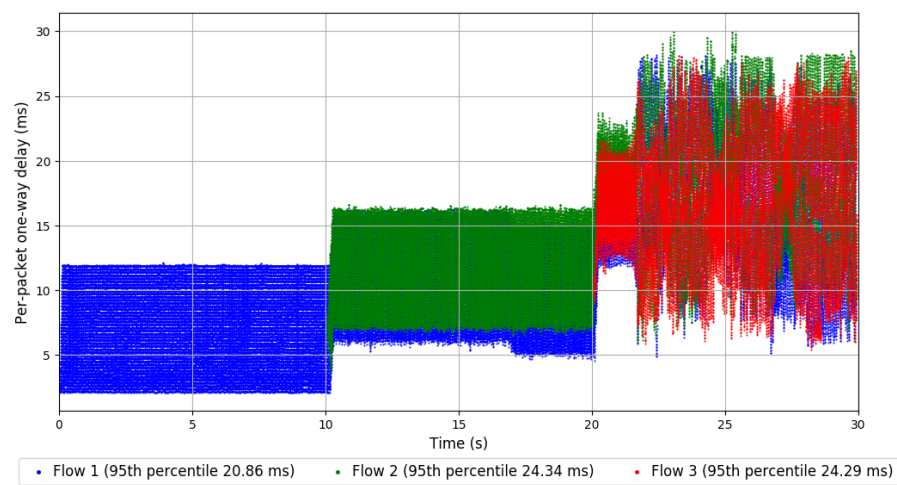
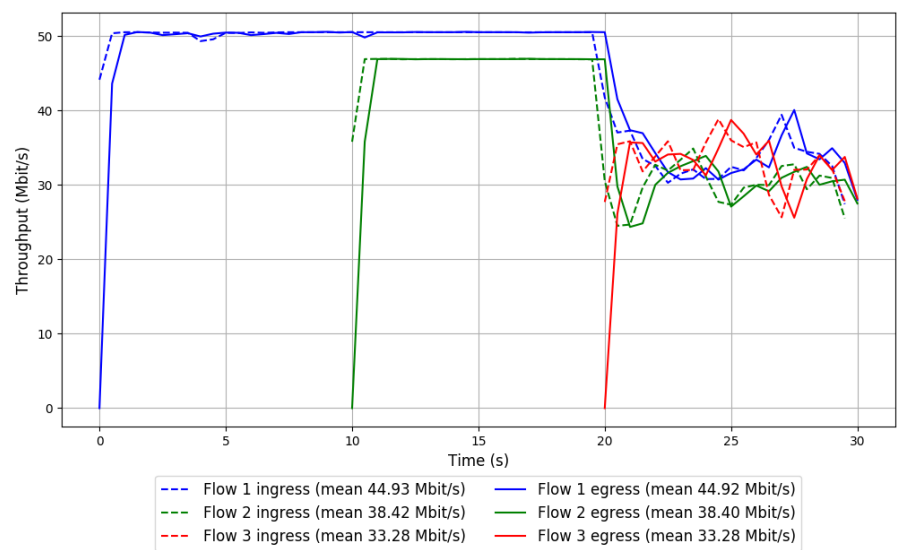


Run 4: Statistics of Sprout

Start at: 2019-08-27 00:44:24
End at: 2019-08-27 00:44:54
Local clock offset: -1.039 ms
Remote clock offset: 0.874 ms

```
# Below is generated by plot.py at 2019-08-27 01:37:28
# Datalink statistics
-- Total of 3 flows:
Average throughput: 81.44 Mbit/s
95th percentile per-packet one-way delay: 23.089 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 44.92 Mbit/s
95th percentile per-packet one-way delay: 20.862 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 38.40 Mbit/s
95th percentile per-packet one-way delay: 24.338 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 33.28 Mbit/s
95th percentile per-packet one-way delay: 24.288 ms
Loss rate: 0.00%
```

Run 4: Report of Sprout — Data Link

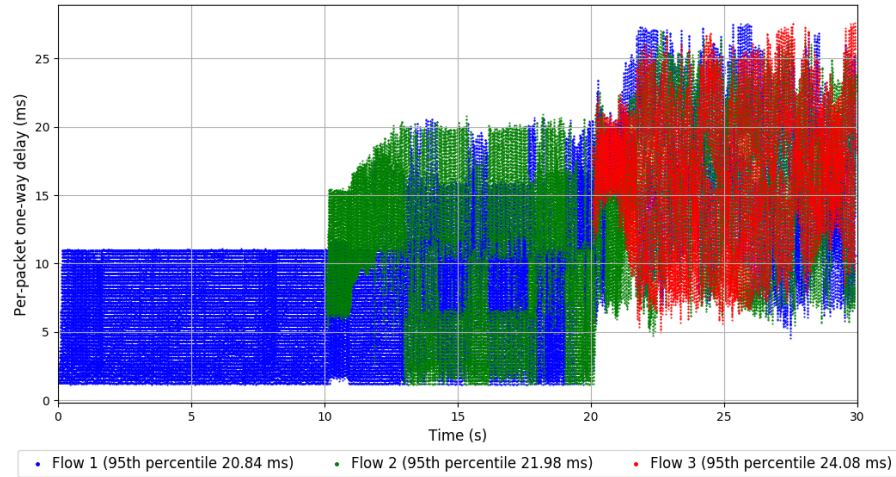
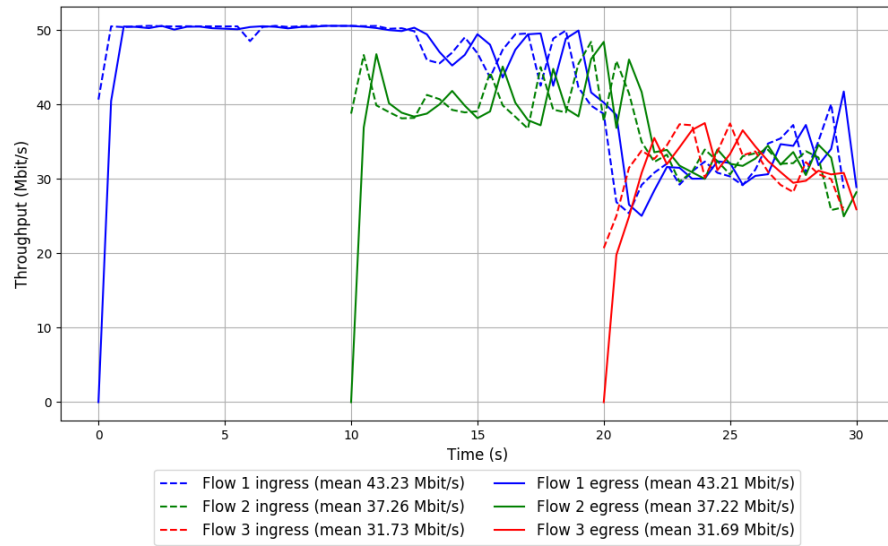


Run 5: Statistics of Sprout

Start at: 2019-08-27 01:11:34
End at: 2019-08-27 01:12:04
Local clock offset: -0.22 ms
Remote clock offset: 0.8 ms

```
# Below is generated by plot.py at 2019-08-27 01:37:28
# Datalink statistics
-- Total of 3 flows:
Average throughput: 78.46 Mbit/s
95th percentile per-packet one-way delay: 22.094 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 43.21 Mbit/s
95th percentile per-packet one-way delay: 20.841 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 37.22 Mbit/s
95th percentile per-packet one-way delay: 21.983 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 31.69 Mbit/s
95th percentile per-packet one-way delay: 24.084 ms
Loss rate: 0.00%
```

Run 5: Report of Sprout — Data Link



Run 1: Statistics of TaoVA-100x

Start at: 2019-08-26 23:30:45

End at: 2019-08-26 23:31:15

Local clock offset: -1.181 ms

Remote clock offset: 0.387 ms

Below is generated by plot.py at 2019-08-27 01:37:28

Datalink statistics

-- Total of 3 flows:

Average throughput: 8.62 Mbit/s

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

Loss rate: 93.01%

-- Flow 1:

Average throughput: 0.00 Mbit/s

95th percentile per-packet one-way delay: 3.588 ms

Loss rate: 95.92%

-- Flow 2:

Average throughput: 8.04 Mbit/s

95th percentile per-packet one-way delay: 2.140 ms

Loss rate: 90.22%

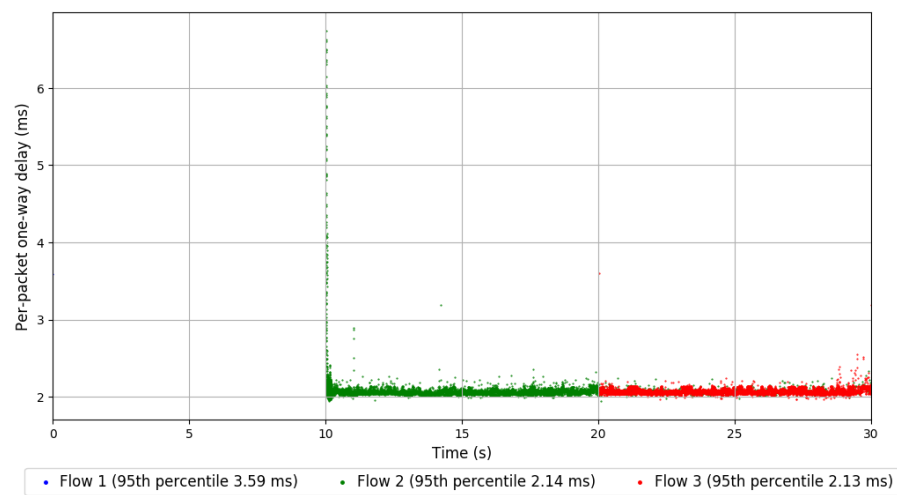
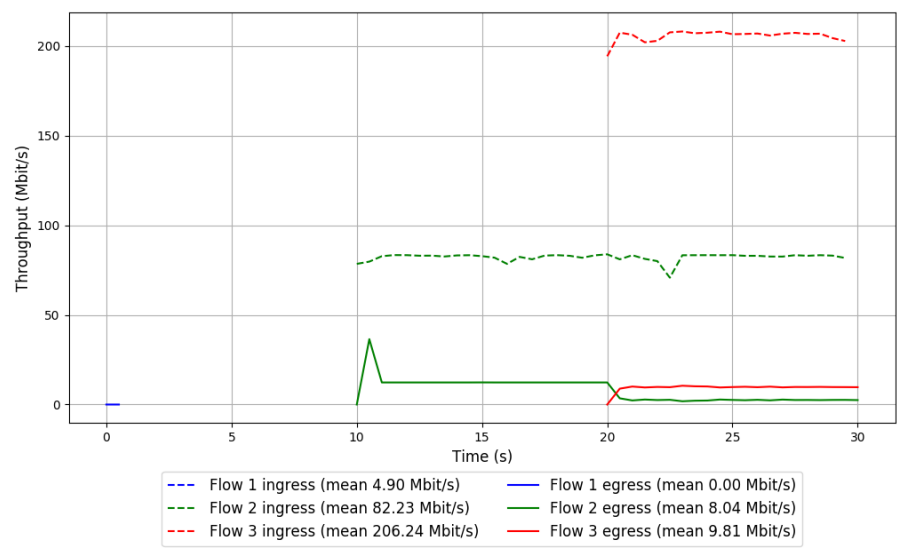
-- Flow 3:

Average throughput: 9.81 Mbit/s

95th percentile per-packet one-way delay: 2.129 ms

Loss rate: 95.24%

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



Run 2: Statistics of TaoVA-100x

Start at: 2019-08-26 23:57:55

End at: 2019-08-26 23:58:25

Local clock offset: -1.116 ms

Remote clock offset: 0.478 ms

Below is generated by plot.py at 2019-08-27 01:37:28

Datalink statistics

-- Total of 3 flows:

Average throughput: 8.27 Mbit/s

95th percentile per-packet one-way delay: 2.134 ms

Loss rate: 83.96%

-- Flow 1:

Average throughput: 0.00 Mbit/s

95th percentile per-packet one-way delay: 3.658 ms

Loss rate: 95.92%

-- Flow 2:

Average throughput: 12.42 Mbit/s

95th percentile per-packet one-way delay: 2.134 ms

Loss rate: 83.96%

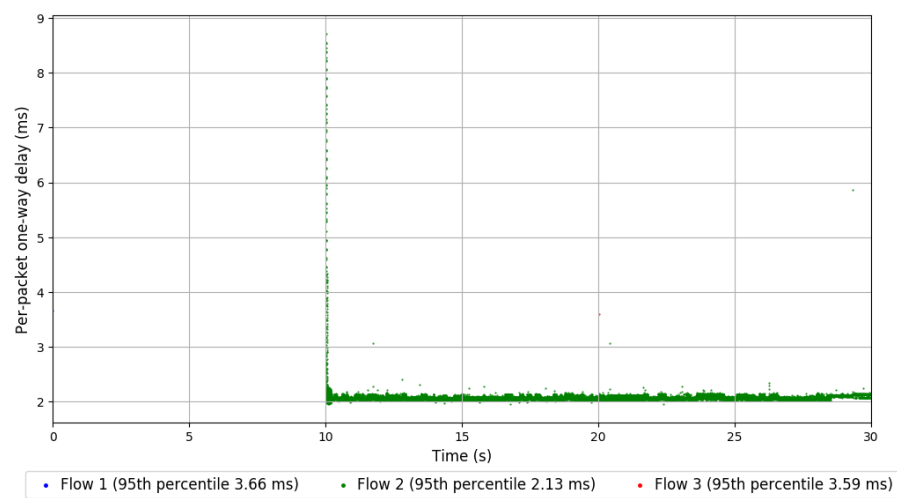
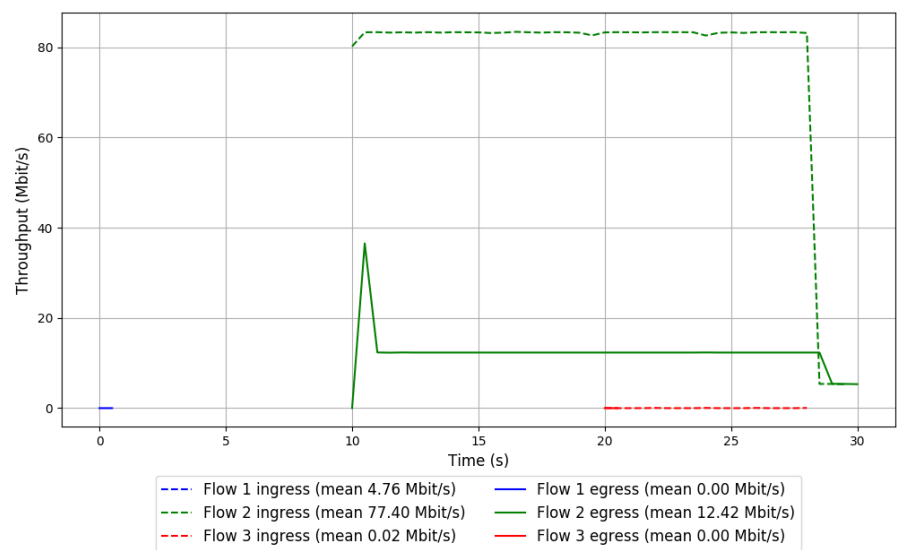
-- Flow 3:

Average throughput: 0.00 Mbit/s

95th percentile per-packet one-way delay: 3.594 ms

Loss rate: 99.16%

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



Run 3: Statistics of TaoVA-100x

Start at: 2019-08-27 00:25:05

End at: 2019-08-27 00:25:35

Local clock offset: -0.93 ms

Remote clock offset: 0.668 ms

Below is generated by plot.py at 2019-08-27 01:37:28

Datalink statistics

-- Total of 3 flows:

Average throughput: 8.62 Mbit/s

95th percentile per-packet one-way delay: 3.683 ms

Loss rate: 91.13%

-- Flow 1:

Average throughput: 0.00 Mbit/s

95th percentile per-packet one-way delay: 3.697 ms

Loss rate: 95.92%

-- Flow 2:

Average throughput: 9.96 Mbit/s

95th percentile per-packet one-way delay: 3.708 ms

Loss rate: 87.96%

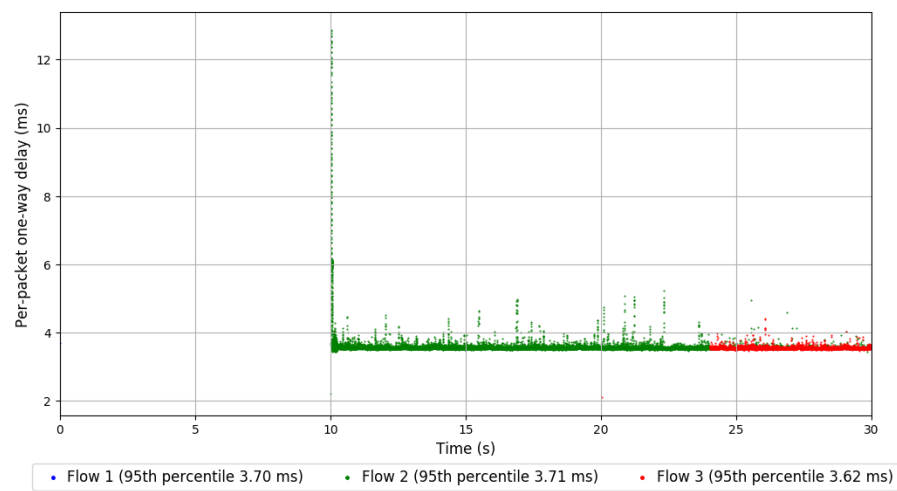
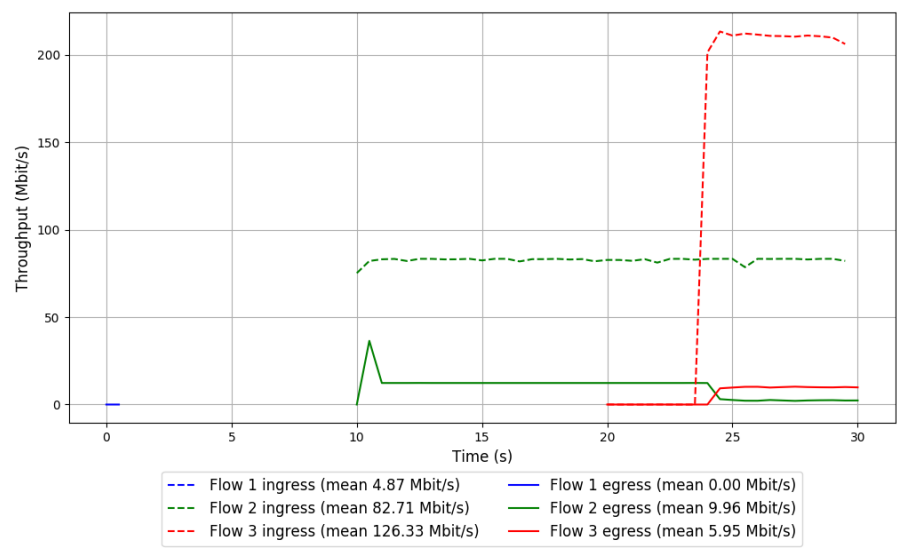
-- Flow 3:

Average throughput: 5.95 Mbit/s

95th percentile per-packet one-way delay: 3.621 ms

Loss rate: 95.29%

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



Run 4: Statistics of TaoVA-100x

Start at: 2019-08-27 00:52:15

End at: 2019-08-27 00:52:45

Local clock offset: -0.973 ms

Remote clock offset: 0.886 ms

Below is generated by plot.py at 2019-08-27 01:37:28

Datalink statistics

-- Total of 3 flows:

Average throughput: 8.62 Mbit/s

95th percentile per-packet one-way delay: 3.611 ms

Loss rate: 92.21%

-- Flow 1:

Average throughput: 0.00 Mbit/s

95th percentile per-packet one-way delay: 3.637 ms

Loss rate: 95.92%

-- Flow 2:

Average throughput: 9.06 Mbit/s

95th percentile per-packet one-way delay: 3.643 ms

Loss rate: 89.10%

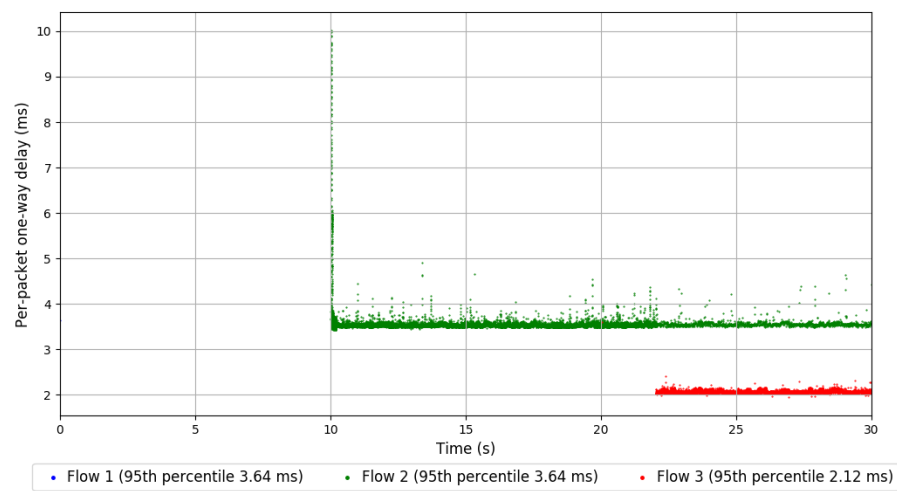
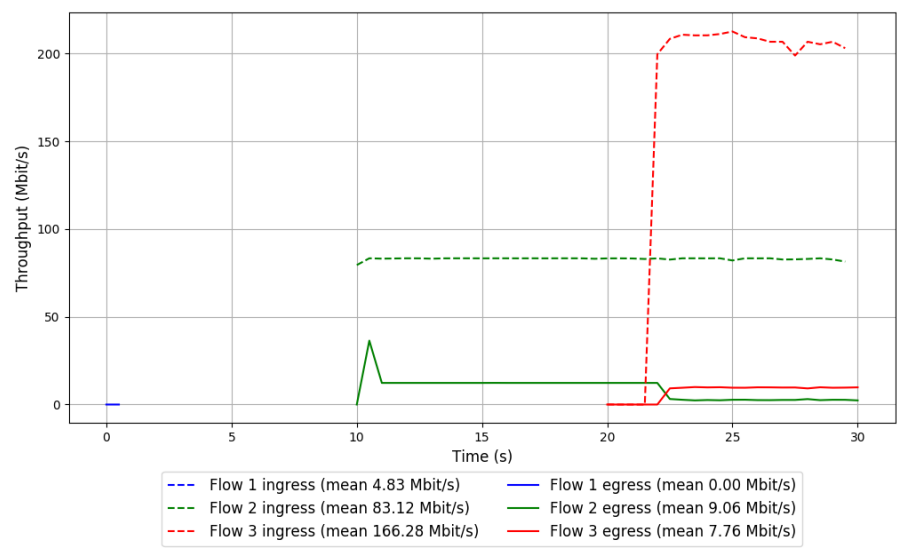
-- Flow 3:

Average throughput: 7.76 Mbit/s

95th percentile per-packet one-way delay: 2.121 ms

Loss rate: 95.34%

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



Run 5: Statistics of TaoVA-100x

Start at: 2019-08-27 01:19:25

End at: 2019-08-27 01:19:55

Local clock offset: -0.231 ms

Remote clock offset: 0.912 ms

Below is generated by plot.py at 2019-08-27 01:37:28

Datalink statistics

-- Total of 3 flows:

Average throughput: 8.28 Mbit/s

95th percentile per-packet one-way delay: 1.389 ms

Loss rate: 83.94%

-- Flow 1:

Average throughput: 0.00 Mbit/s

95th percentile per-packet one-way delay: 2.708 ms

Loss rate: 95.92%

-- Flow 2:

Average throughput: 12.43 Mbit/s

95th percentile per-packet one-way delay: 1.389 ms

Loss rate: 83.94%

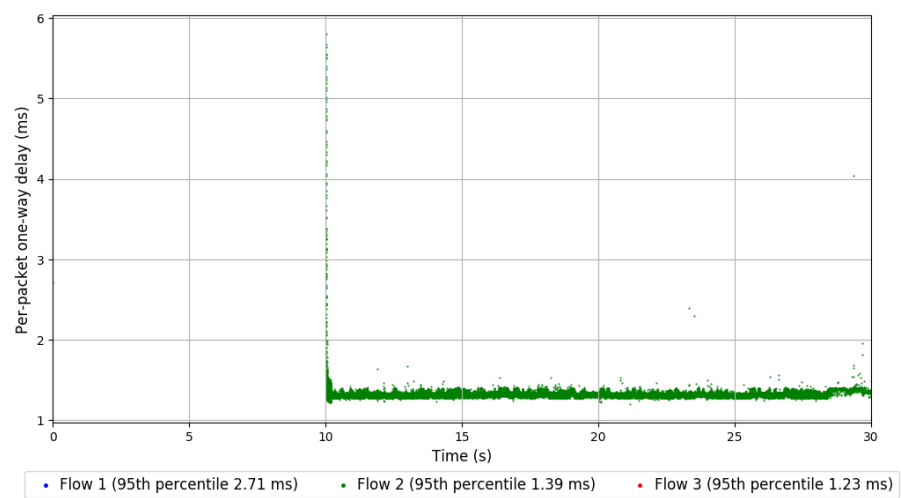
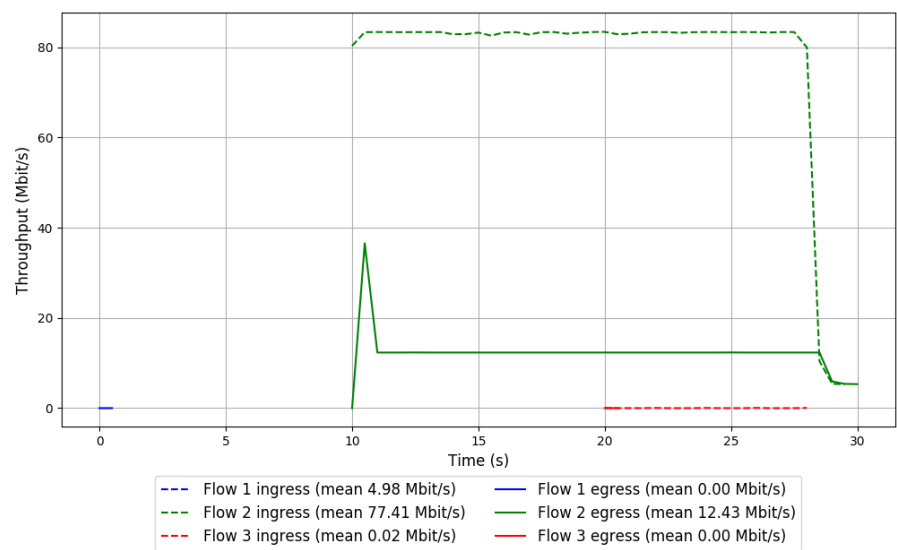
-- Flow 3:

Average throughput: 0.00 Mbit/s

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

Loss rate: 99.16%

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



Run 1: Statistics of TCP Vegas

Start at: 2019-08-26 23:21:45

End at: 2019-08-26 23:22:15

Local clock offset: -1.263 ms

Remote clock offset: 0.296 ms

Below is generated by plot.py at 2019-08-27 01:38:03

Datalink statistics

-- Total of 3 flows:

Average throughput: 97.44 Mbit/s

95th percentile per-packet one-way delay: 6.140 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 56.27 Mbit/s

95th percentile per-packet one-way delay: 11.227 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 28.32 Mbit/s

95th percentile per-packet one-way delay: 4.253 ms

Loss rate: 0.00%

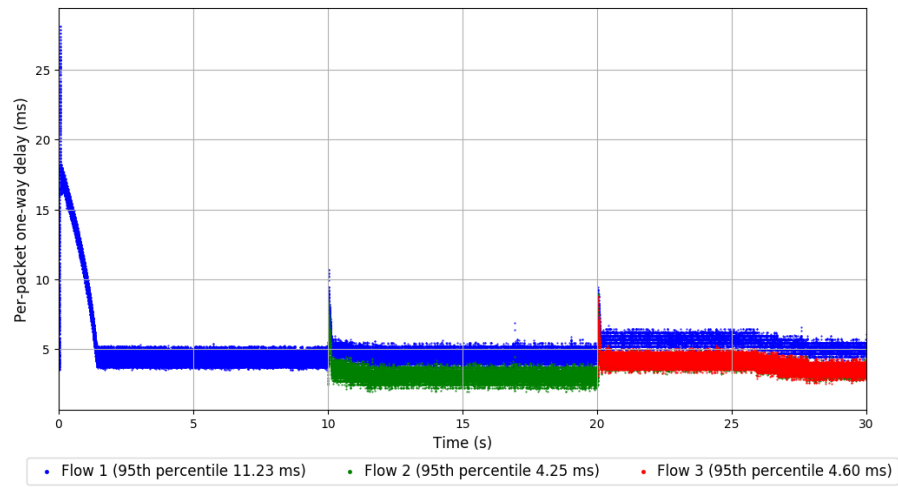
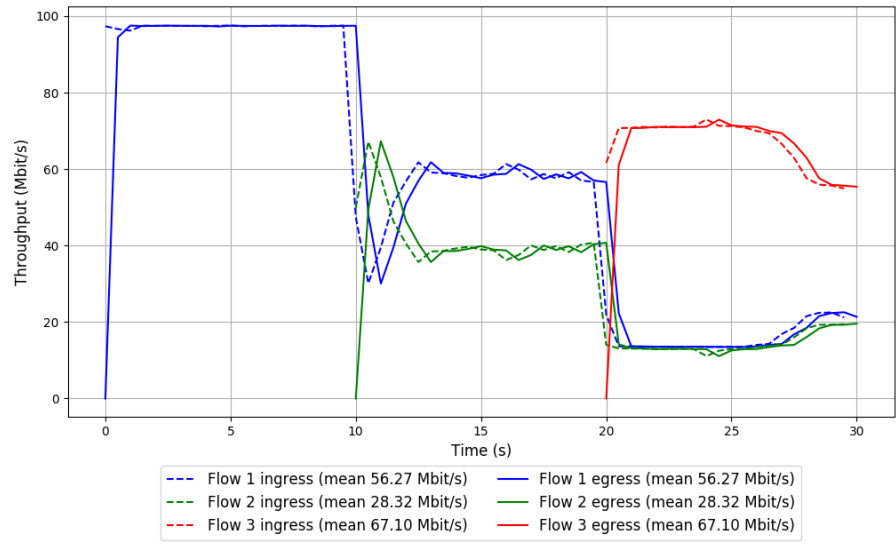
-- Flow 3:

Average throughput: 67.10 Mbit/s

95th percentile per-packet one-way delay: 4.604 ms

Loss rate: 0.00%

Run 1: Report of TCP Vegas — Data Link



Run 2: Statistics of TCP Vegas

Start at: 2019-08-26 23:48:56

End at: 2019-08-26 23:49:26

Local clock offset: -1.1 ms

Remote clock offset: 0.463 ms

Below is generated by plot.py at 2019-08-27 01:38:13

Datalink statistics

-- Total of 3 flows:

Average throughput: 97.16 Mbit/s

95th percentile per-packet one-way delay: 5.256 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 46.36 Mbit/s

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

Loss rate: 0.00%

-- Flow 2:

Average throughput: 50.45 Mbit/s

95th percentile per-packet one-way delay: 5.482 ms

Loss rate: 0.01%

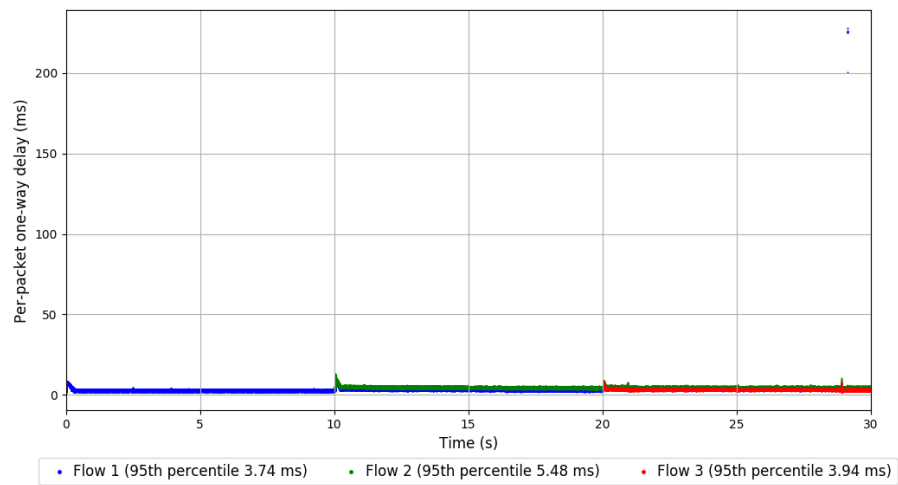
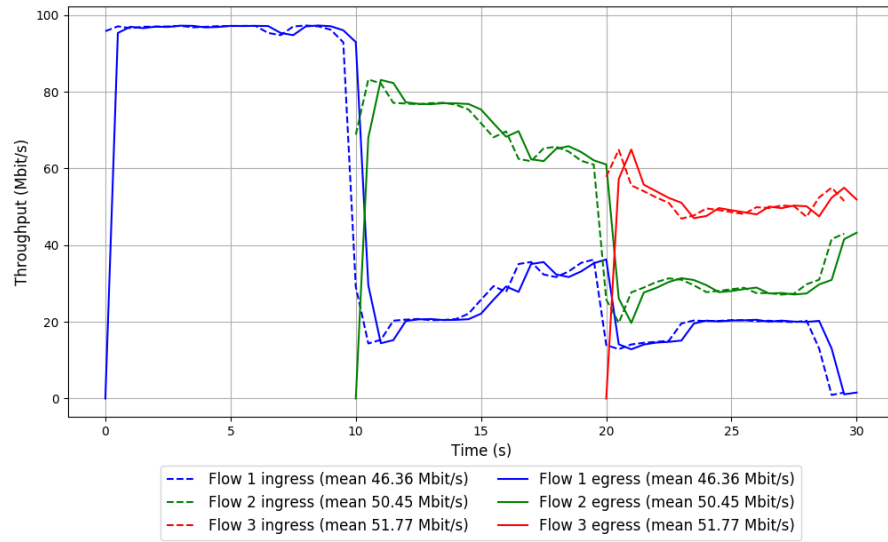
-- Flow 3:

Average throughput: 51.77 Mbit/s

95th percentile per-packet one-way delay: 3.937 ms

Loss rate: 0.00%

Run 2: Report of TCP Vegas — Data Link



Run 3: Statistics of TCP Vegas

Start at: 2019-08-27 00:16:06

End at: 2019-08-27 00:16:36

Local clock offset: -0.984 ms

Remote clock offset: 0.569 ms

Below is generated by plot.py at 2019-08-27 01:38:18

Datalink statistics

-- Total of 3 flows:

Average throughput: 96.92 Mbit/s

95th percentile per-packet one-way delay: 5.406 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 47.01 Mbit/s

95th percentile per-packet one-way delay: 4.625 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 43.84 Mbit/s

95th percentile per-packet one-way delay: 5.949 ms

Loss rate: 0.01%

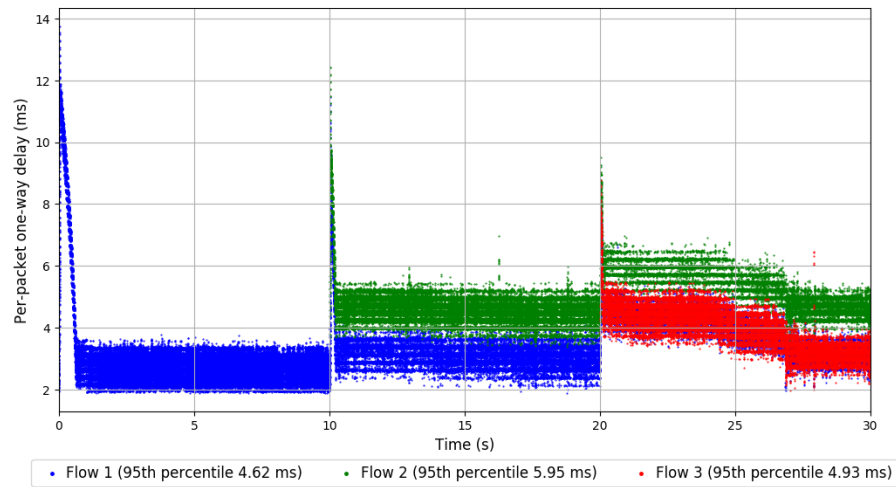
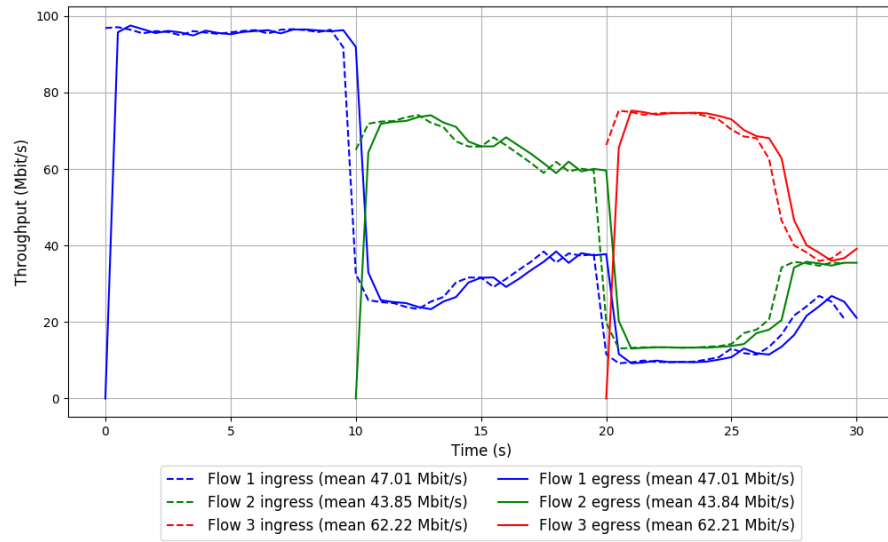
-- Flow 3:

Average throughput: 62.21 Mbit/s

95th percentile per-packet one-way delay: 4.927 ms

Loss rate: 0.00%

Run 3: Report of TCP Vegas — Data Link



Run 4: Statistics of TCP Vegas

Start at: 2019-08-27 00:43:15

End at: 2019-08-27 00:43:45

Local clock offset: -0.979 ms

Remote clock offset: 0.823 ms

Below is generated by plot.py at 2019-08-27 01:38:19

Datalink statistics

-- Total of 3 flows:

Average throughput: 97.31 Mbit/s

95th percentile per-packet one-way delay: 5.234 ms

Loss rate: 0.01%

-- Flow 1:

Average throughput: 57.42 Mbit/s

95th percentile per-packet one-way delay: 5.121 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 34.16 Mbit/s

95th percentile per-packet one-way delay: 3.757 ms

Loss rate: 0.00%

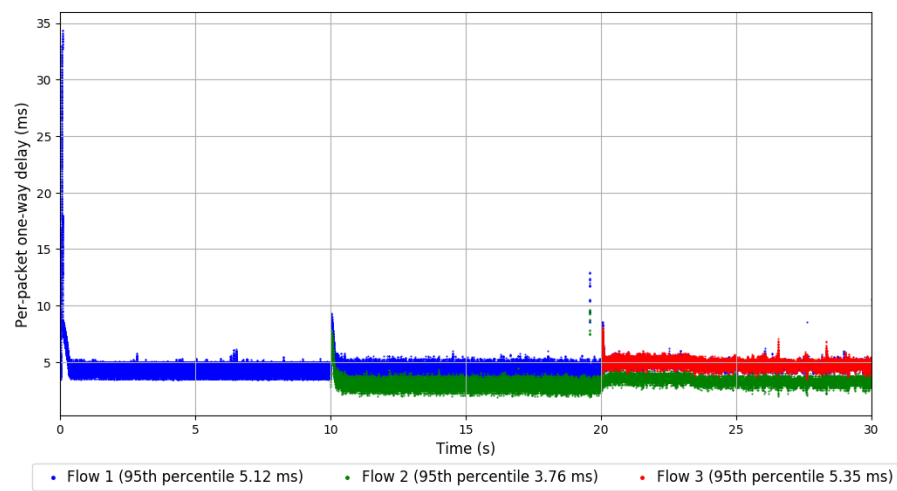
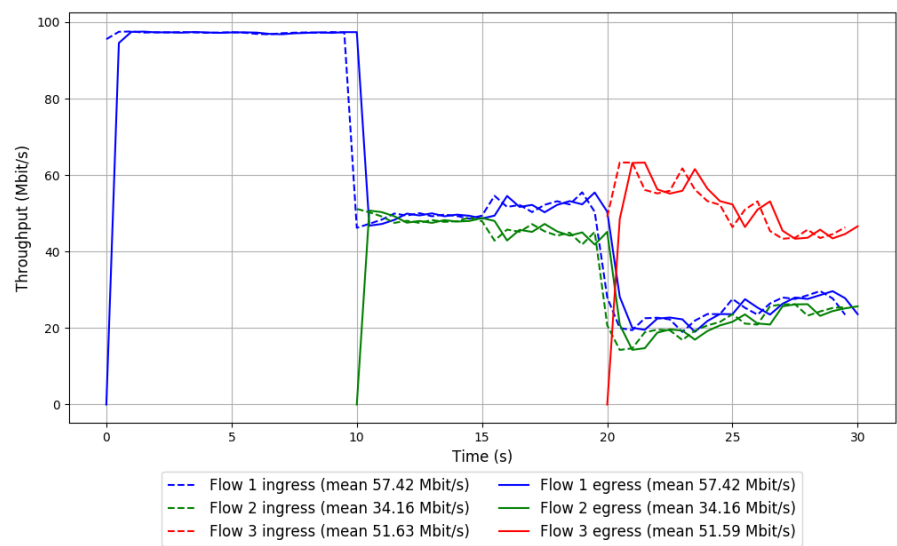
-- Flow 3:

Average throughput: 51.59 Mbit/s

95th percentile per-packet one-way delay: 5.353 ms

Loss rate: 0.01%

Run 4: Report of TCP Vegas — Data Link



Run 5: Statistics of TCP Vegas

Start at: 2019-08-27 01:10:25

End at: 2019-08-27 01:10:55

Local clock offset: -0.221 ms

Remote clock offset: 0.938 ms

Below is generated by plot.py at 2019-08-27 01:38:23

Datalink statistics

-- Total of 3 flows:

Average throughput: 97.17 Mbit/s

95th percentile per-packet one-way delay: 4.798 ms

Loss rate: 0.01%

-- Flow 1:

Average throughput: 57.54 Mbit/s

95th percentile per-packet one-way delay: 7.761 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 34.23 Mbit/s

95th percentile per-packet one-way delay: 3.077 ms

Loss rate: 0.01%

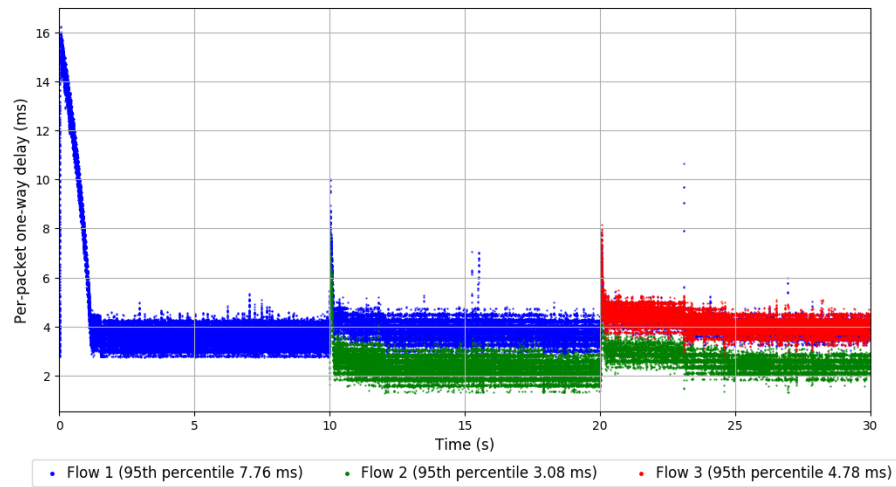
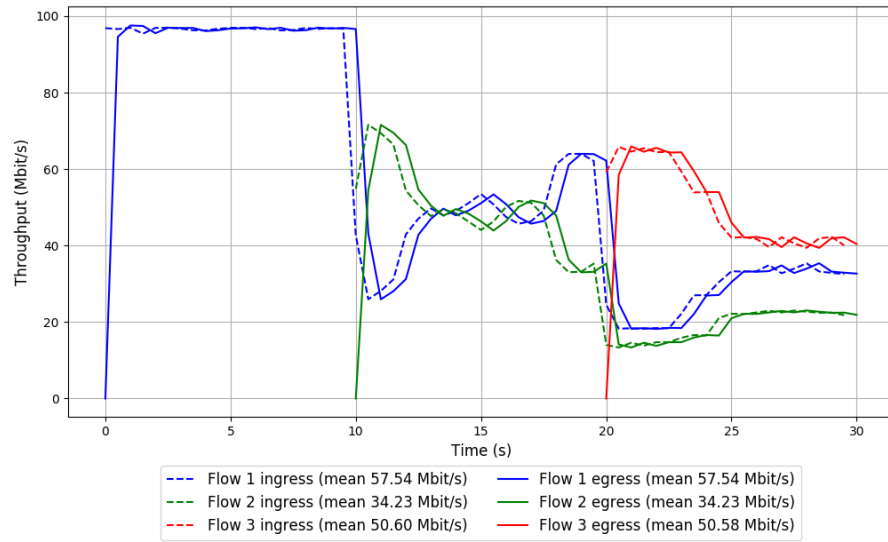
-- Flow 3:

Average throughput: 50.58 Mbit/s

95th percentile per-packet one-way delay: 4.782 ms

Loss rate: 0.01%

Run 5: Report of TCP Vegas — Data Link



Run 1: Statistics of Verus

Start at: 2019-08-26 23:16:04

End at: 2019-08-26 23:16:34

Local clock offset: -0.448 ms

Remote clock offset: 0.269 ms

Below is generated by plot.py at 2019-08-27 01:38:23

Datalink statistics

-- Total of 3 flows:

Average throughput: 76.97 Mbit/s

95th percentile per-packet one-way delay: 32.884 ms

Loss rate: 12.81%

-- Flow 1:

Average throughput: 47.26 Mbit/s

95th percentile per-packet one-way delay: 30.941 ms

Loss rate: 7.28%

-- Flow 2:

Average throughput: 31.56 Mbit/s

95th percentile per-packet one-way delay: 32.569 ms

Loss rate: 15.43%

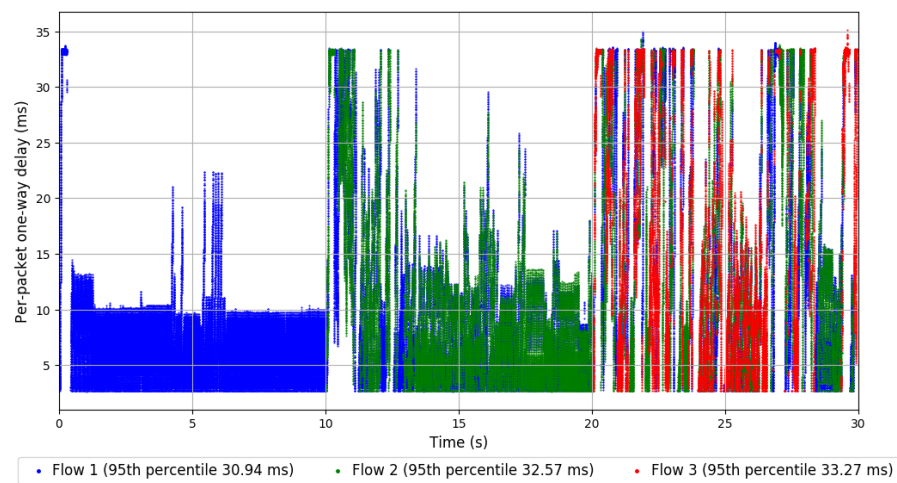
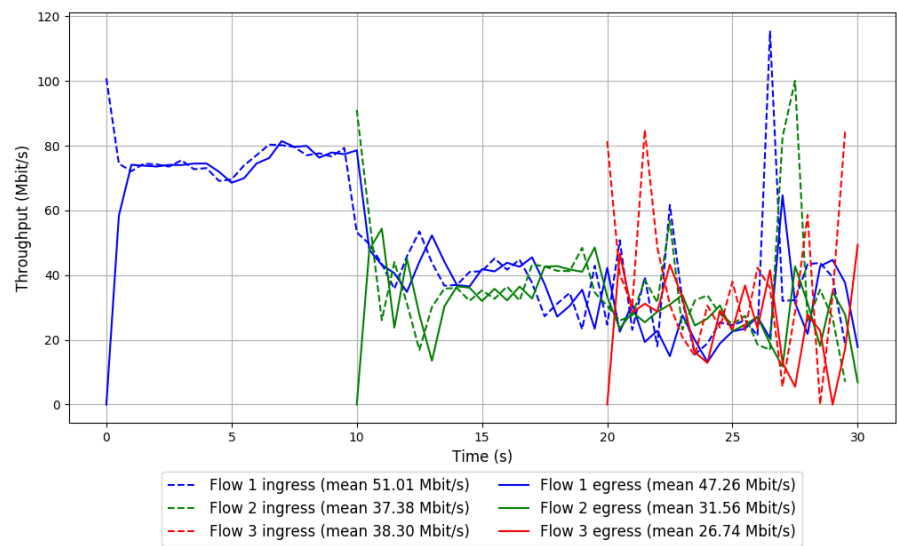
-- Flow 3:

Average throughput: 26.74 Mbit/s

95th percentile per-packet one-way delay: 33.271 ms

Loss rate: 29.96%

Run 1: Report of Verus — Data Link



Run 2: Statistics of Verus

Start at: 2019-08-26 23:43:16

End at: 2019-08-26 23:43:46

Local clock offset: -0.432 ms

Remote clock offset: 0.377 ms

Below is generated by plot.py at 2019-08-27 01:38:23

Datalink statistics

-- Total of 3 flows:

Average throughput: 60.57 Mbit/s

95th percentile per-packet one-way delay: 32.151 ms

Loss rate: 16.96%

-- Flow 1:

Average throughput: 24.70 Mbit/s

95th percentile per-packet one-way delay: 31.640 ms

Loss rate: 12.70%

-- Flow 2:

Average throughput: 41.39 Mbit/s

95th percentile per-packet one-way delay: 33.037 ms

Loss rate: 12.91%

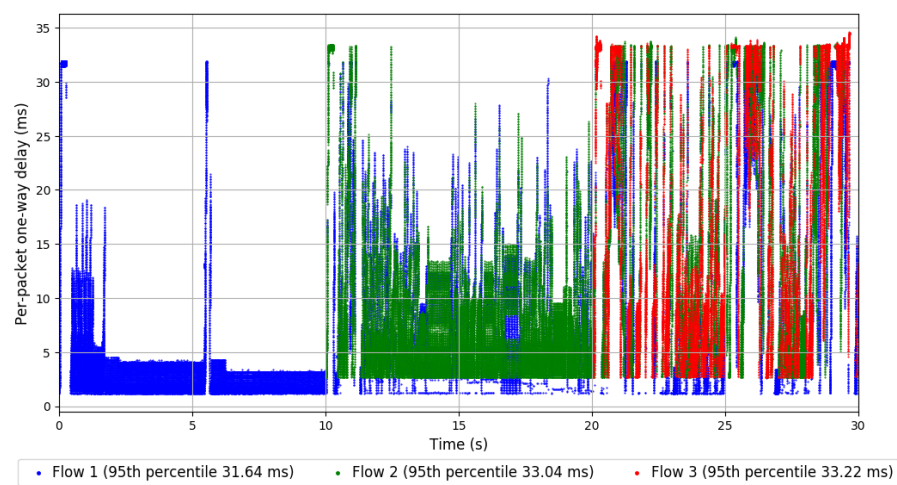
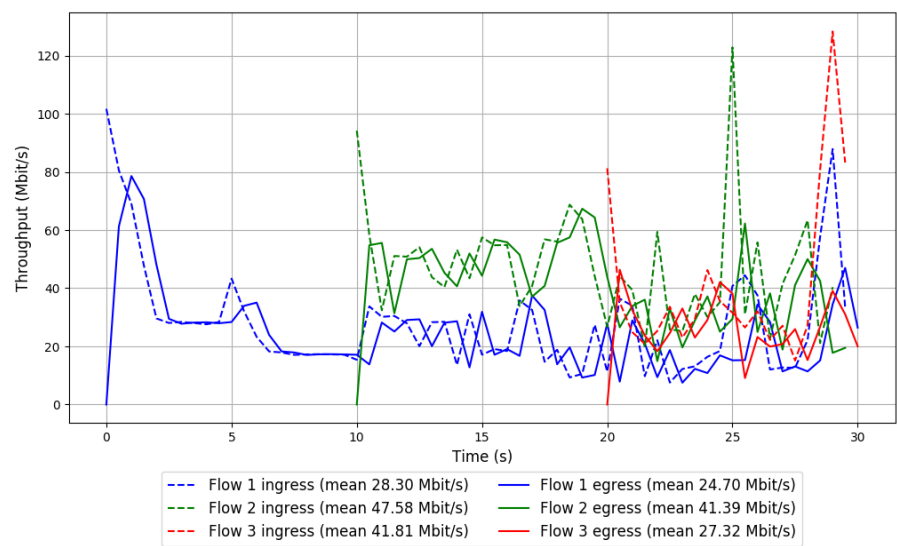
-- Flow 3:

Average throughput: 27.32 Mbit/s

95th percentile per-packet one-way delay: 33.216 ms

Loss rate: 34.65%

Run 2: Report of Verus — Data Link



Run 3: Statistics of Verus

Start at: 2019-08-27 00:10:25

End at: 2019-08-27 00:10:55

Local clock offset: -0.214 ms

Remote clock offset: 0.637 ms

Below is generated by plot.py at 2019-08-27 01:38:26

Datalink statistics

-- Total of 3 flows:

Average throughput: 75.40 Mbit/s

95th percentile per-packet one-way delay: 30.622 ms

Loss rate: 7.05%

-- Flow 1:

Average throughput: 45.94 Mbit/s

95th percentile per-packet one-way delay: 28.339 ms

Loss rate: 3.42%

-- Flow 2:

Average throughput: 32.58 Mbit/s

95th percentile per-packet one-way delay: 31.904 ms

Loss rate: 11.51%

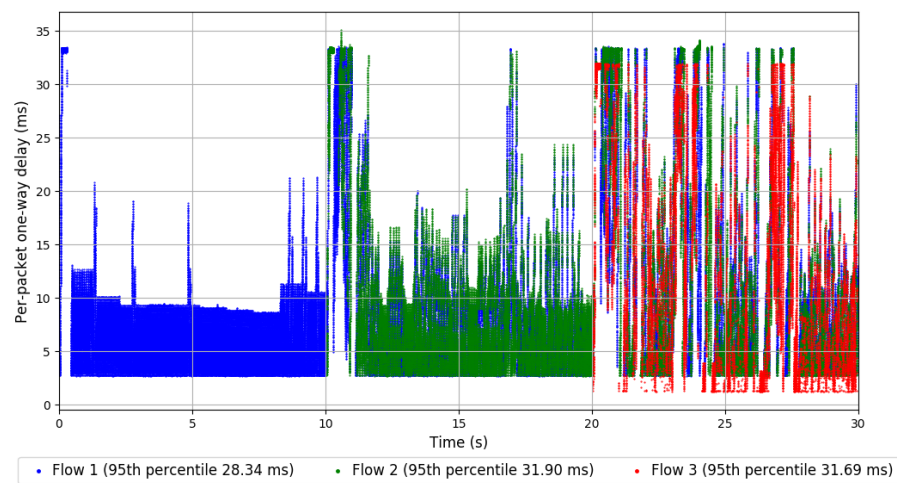
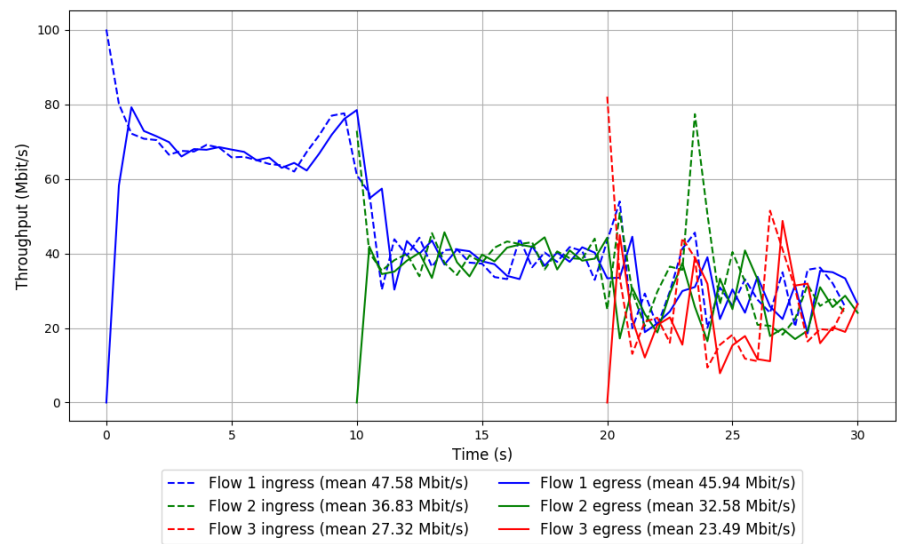
-- Flow 3:

Average throughput: 23.49 Mbit/s

95th percentile per-packet one-way delay: 31.692 ms

Loss rate: 13.99%

Run 3: Report of Verus — Data Link



Run 4: Statistics of Verus

Start at: 2019-08-27 00:37:35

End at: 2019-08-27 00:38:05

Local clock offset: -1.057 ms

Remote clock offset: 0.775 ms

Below is generated by plot.py at 2019-08-27 01:38:45

Datalink statistics

-- Total of 3 flows:

Average throughput: 59.30 Mbit/s

95th percentile per-packet one-way delay: 31.259 ms

Loss rate: 6.01%

-- Flow 1:

Average throughput: 29.18 Mbit/s

95th percentile per-packet one-way delay: 28.517 ms

Loss rate: 5.08%

-- Flow 2:

Average throughput: 25.93 Mbit/s

95th percentile per-packet one-way delay: 31.095 ms

Loss rate: 6.87%

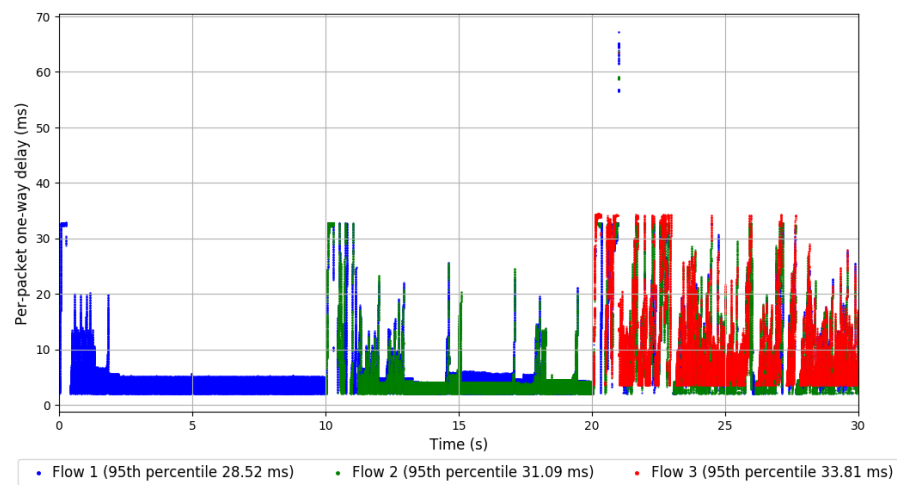
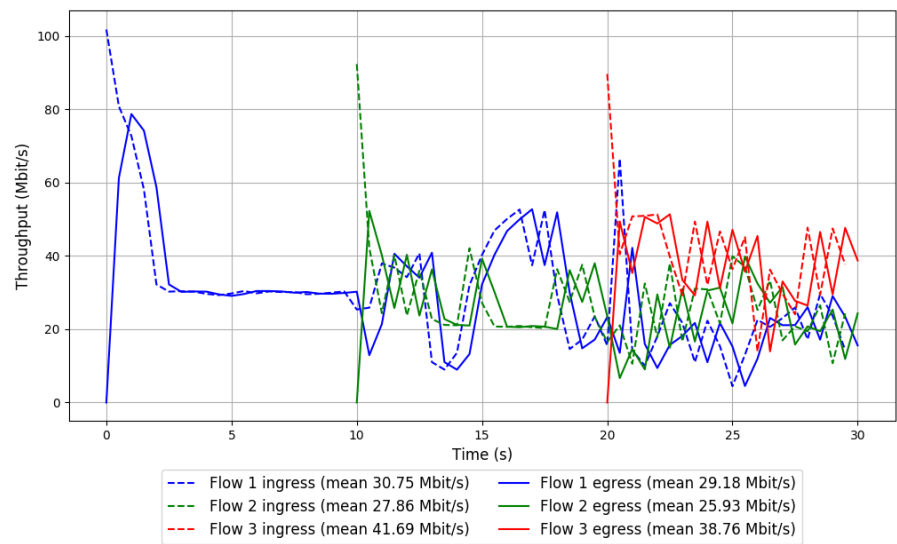
-- Flow 3:

Average throughput: 38.76 Mbit/s

95th percentile per-packet one-way delay: 33.811 ms

Loss rate: 6.92%

Run 4: Report of Verus — Data Link

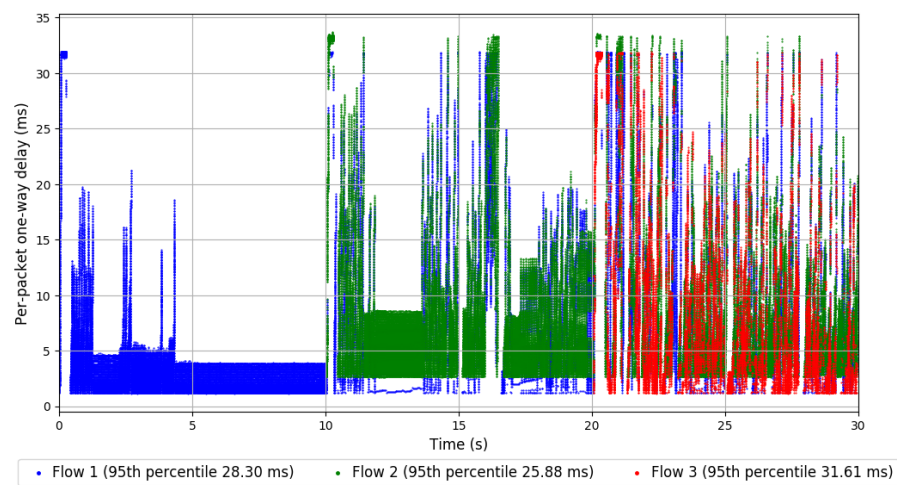
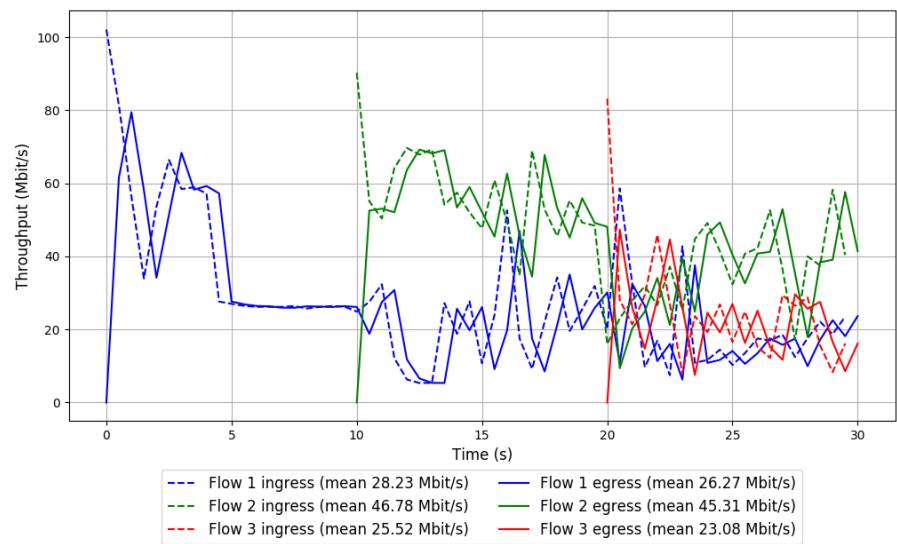


Run 5: Statistics of Verus

Start at: 2019-08-27 01:04:45
End at: 2019-08-27 01:05:15
Local clock offset: -0.204 ms
Remote clock offset: 0.847 ms

Below is generated by plot.py at 2019-08-27 01:38:52
Datalink statistics
-- Total of 3 flows:
Average throughput: 64.07 Mbit/s
95th percentile per-packet one-way delay: 28.828 ms
Loss rate: 5.45%
-- Flow 1:
Average throughput: 26.27 Mbit/s
95th percentile per-packet one-way delay: 28.298 ms
Loss rate: 6.87%
-- Flow 2:
Average throughput: 45.31 Mbit/s
95th percentile per-packet one-way delay: 25.877 ms
Loss rate: 3.05%
-- Flow 3:
Average throughput: 23.08 Mbit/s
95th percentile per-packet one-way delay: 31.615 ms
Loss rate: 9.53%

Run 5: Report of Verus — Data Link



Run 1: Statistics of PCC-Vivace

Start at: 2019-08-26 23:35:18

End at: 2019-08-26 23:35:48

Local clock offset: -0.424 ms

Remote clock offset: 0.356 ms

Below is generated by plot.py at 2019-08-27 01:39:11

Datalink statistics

-- Total of 3 flows:

Average throughput: 87.95 Mbit/s

95th percentile per-packet one-way delay: 3.181 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 58.76 Mbit/s

95th percentile per-packet one-way delay: 3.051 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 31.59 Mbit/s

95th percentile per-packet one-way delay: 3.601 ms

Loss rate: 0.00%

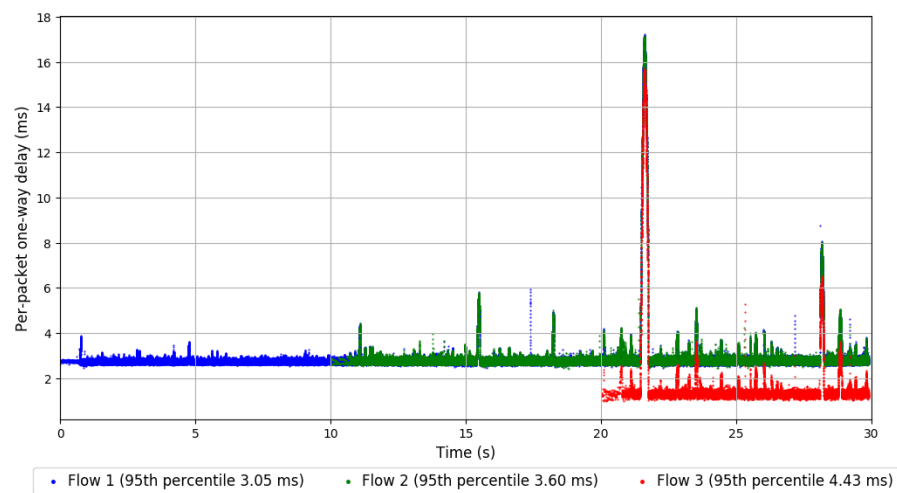
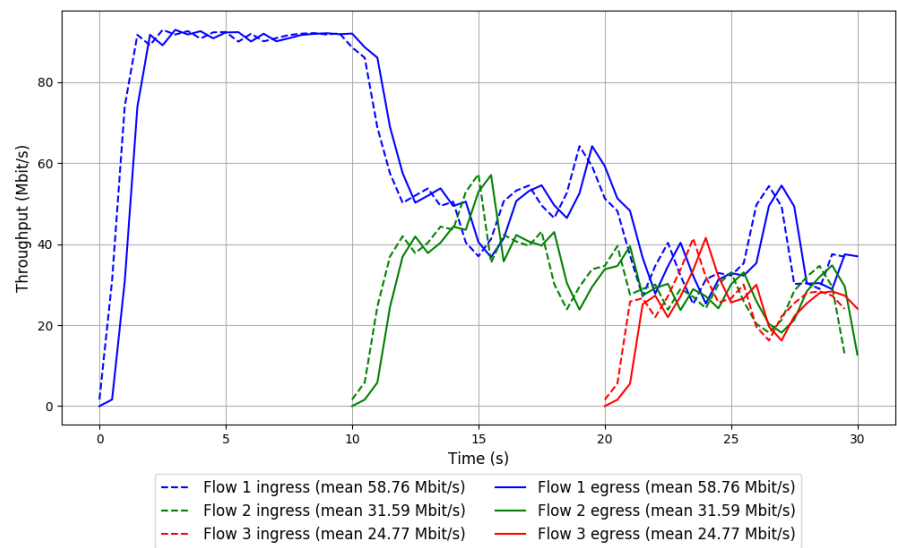
-- Flow 3:

Average throughput: 24.77 Mbit/s

95th percentile per-packet one-way delay: 4.426 ms

Loss rate: 0.00%

Run 1: Report of PCC-Vivace — Data Link



Run 2: Statistics of PCC-Vivace

Start at: 2019-08-27 00:02:27

End at: 2019-08-27 00:02:57

Local clock offset: -1.021 ms

Remote clock offset: 0.55 ms

Below is generated by plot.py at 2019-08-27 01:39:11

Datalink statistics

-- Total of 3 flows:

Average throughput: 83.34 Mbit/s

95th percentile per-packet one-way delay: 4.452 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 51.79 Mbit/s

95th percentile per-packet one-way delay: 3.090 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 29.96 Mbit/s

95th percentile per-packet one-way delay: 4.283 ms

Loss rate: 0.00%

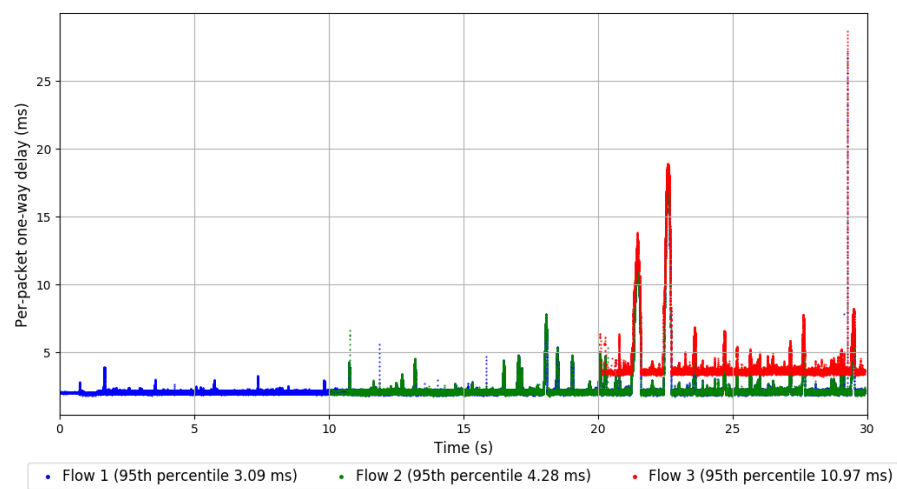
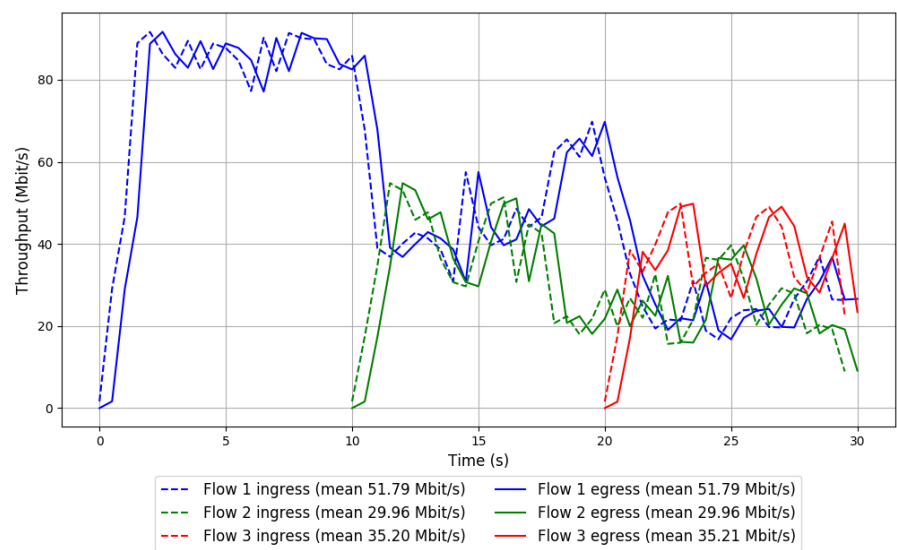
-- Flow 3:

Average throughput: 35.21 Mbit/s

95th percentile per-packet one-way delay: 10.973 ms

Loss rate: 0.01%

Run 2: Report of PCC-Vivace — Data Link



Run 3: Statistics of PCC-Vivace

Start at: 2019-08-27 00:29:37

End at: 2019-08-27 00:30:07

Local clock offset: -0.952 ms

Remote clock offset: 0.595 ms

Below is generated by plot.py at 2019-08-27 01:39:13

Datalink statistics

-- Total of 3 flows:

Average throughput: 87.33 Mbit/s

95th percentile per-packet one-way delay: 4.250 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 53.89 Mbit/s

95th percentile per-packet one-way delay: 4.120 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 36.14 Mbit/s

95th percentile per-packet one-way delay: 4.361 ms

Loss rate: 0.00%

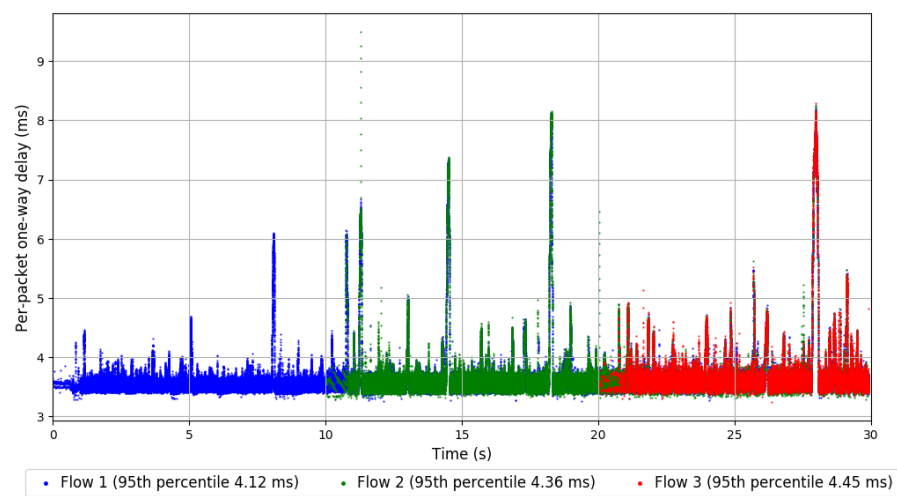
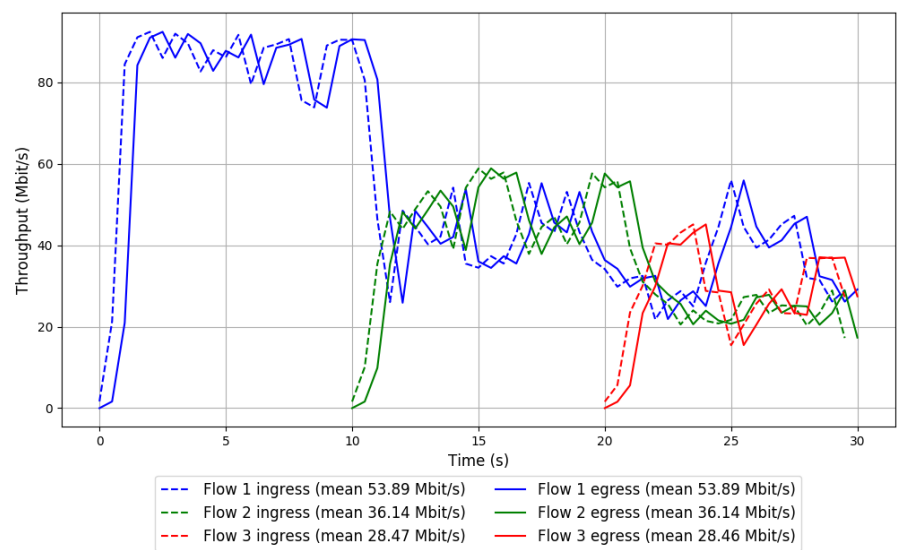
-- Flow 3:

Average throughput: 28.46 Mbit/s

95th percentile per-packet one-way delay: 4.445 ms

Loss rate: 0.01%

Run 3: Report of PCC-Vivace — Data Link



Run 4: Statistics of PCC-Vivace

Start at: 2019-08-27 00:56:47

End at: 2019-08-27 00:57:17

Local clock offset: -0.188 ms

Remote clock offset: 0.937 ms

Below is generated by plot.py at 2019-08-27 01:39:13

Datalink statistics

-- Total of 3 flows:

Average throughput: 81.98 Mbit/s

95th percentile per-packet one-way delay: 3.390 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 56.52 Mbit/s

95th percentile per-packet one-way delay: 3.445 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 25.99 Mbit/s

95th percentile per-packet one-way delay: 2.791 ms

Loss rate: 0.00%

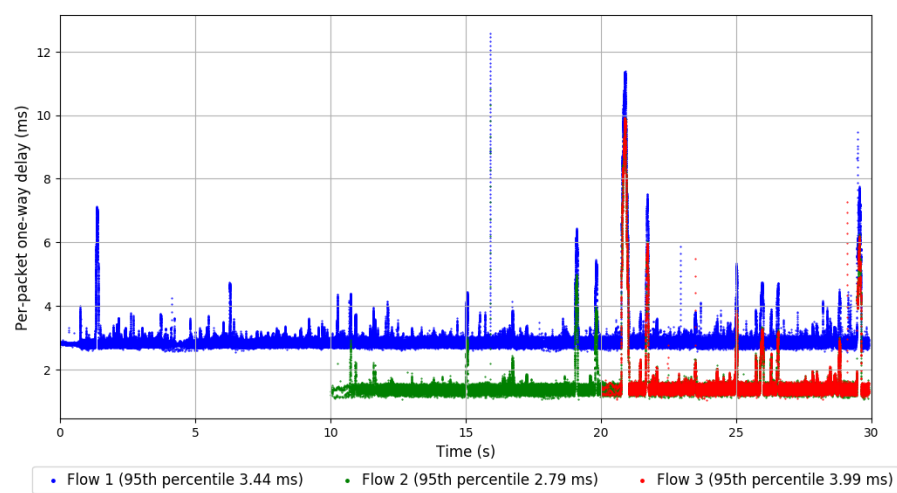
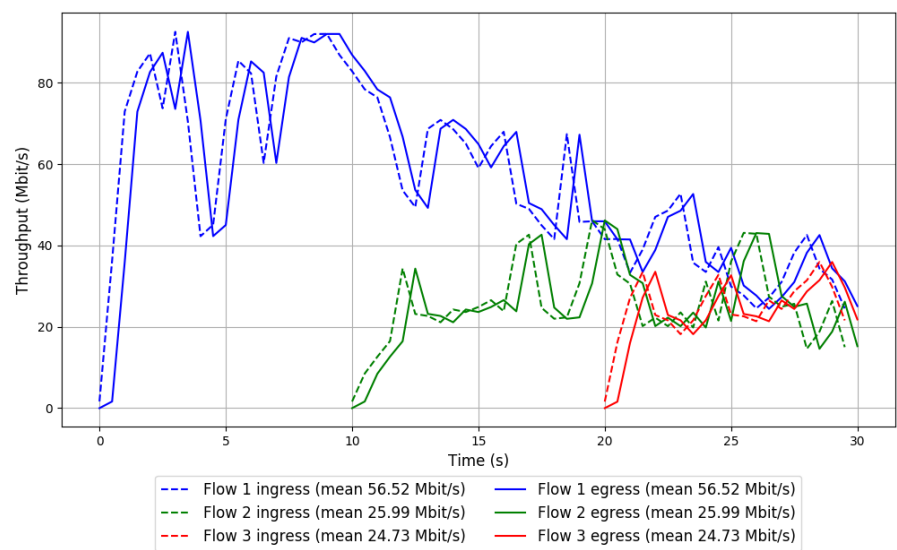
-- Flow 3:

Average throughput: 24.73 Mbit/s

95th percentile per-packet one-way delay: 3.988 ms

Loss rate: 0.00%

Run 4: Report of PCC-Vivace — Data Link



Run 5: Statistics of PCC-Vivace

Start at: 2019-08-27 01:23:56

End at: 2019-08-27 01:24:26

Local clock offset: -0.202 ms

Remote clock offset: 0.896 ms

Below is generated by plot.py at 2019-08-27 01:39:13

Datalink statistics

-- Total of 3 flows:

Average throughput: 78.60 Mbit/s

95th percentile per-packet one-way delay: 3.077 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 48.85 Mbit/s

95th percentile per-packet one-way delay: 2.297 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 28.39 Mbit/s

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

Loss rate: 0.00%

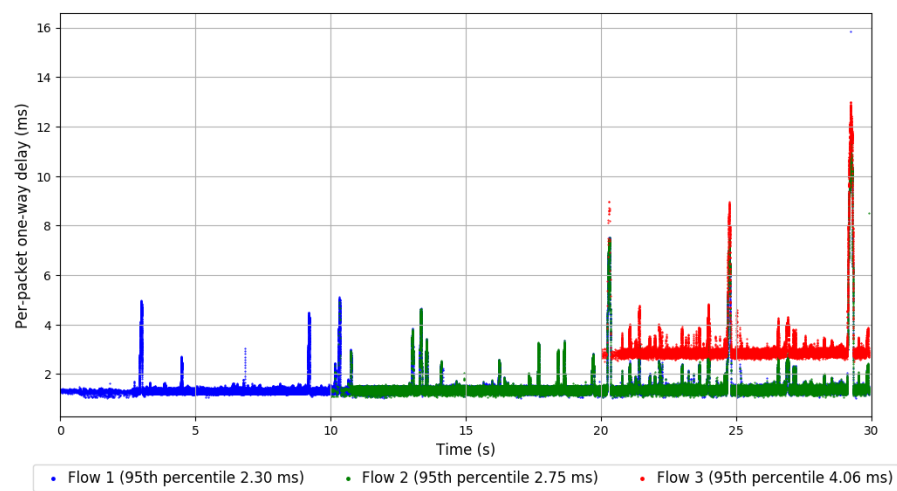
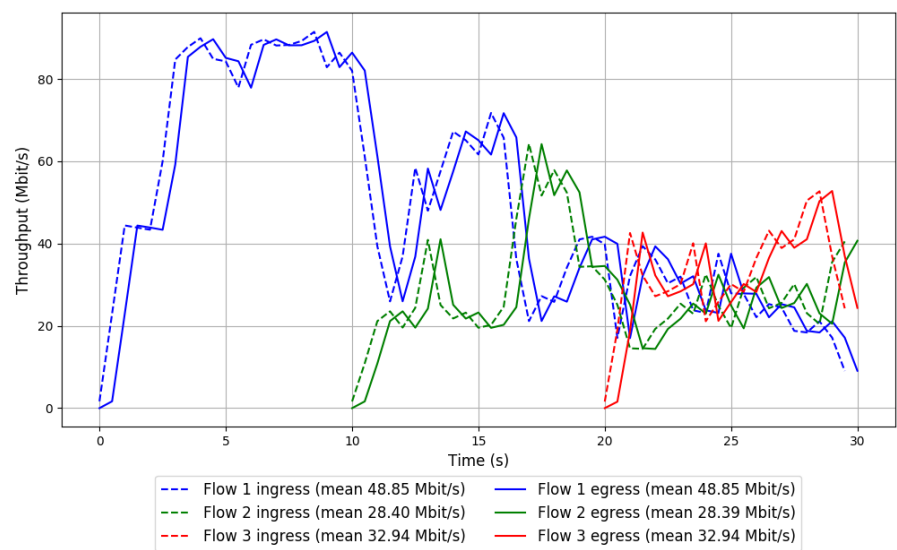
-- Flow 3:

Average throughput: 32.94 Mbit/s

95th percentile per-packet one-way delay: 4.058 ms

Loss rate: 0.01%

Run 5: Report of PCC-Vivace — Data Link



Run 1: Statistics of WebRTC media

Start at: 2019-08-26 23:27:25

End at: 2019-08-26 23:27:56

Local clock offset: -1.214 ms

Remote clock offset: 0.371 ms

Below is generated by plot.py at 2019-08-27 01:39:13

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.14 Mbit/s

95th percentile per-packet one-way delay: 6.327 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 0.05 Mbit/s

95th percentile per-packet one-way delay: 5.215 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 0.05 Mbit/s

95th percentile per-packet one-way delay: 5.096 ms

Loss rate: 0.00%

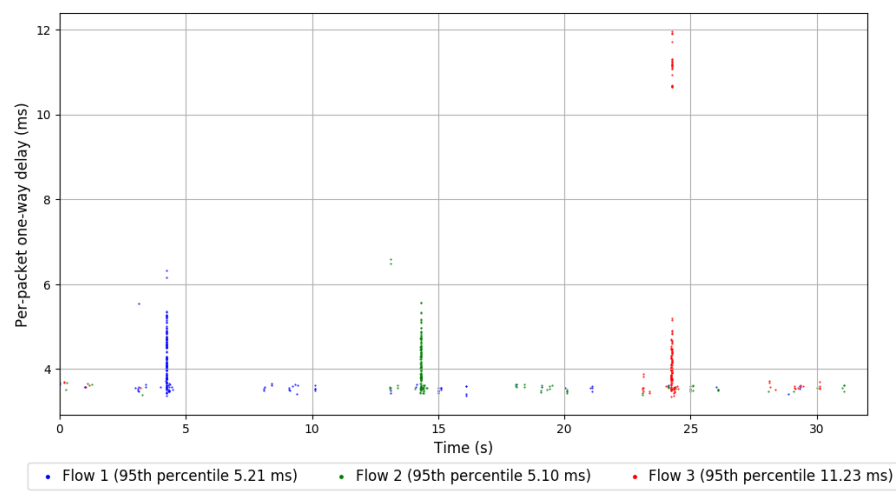
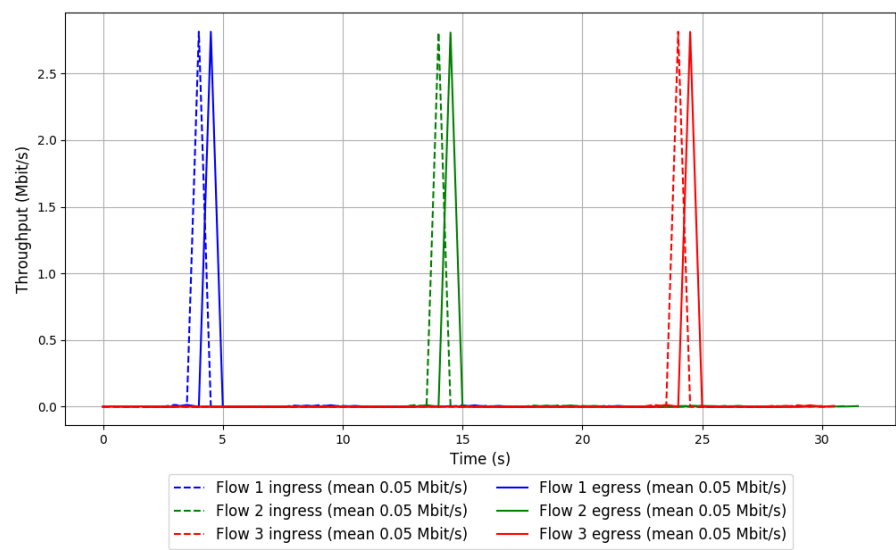
-- Flow 3:

Average throughput: 0.05 Mbit/s

95th percentile per-packet one-way delay: 11.226 ms

Loss rate: 0.00%

Run 1: Report of WebRTC media — Data Link



Run 2: Statistics of WebRTC media

Start at: 2019-08-26 23:54:36

End at: 2019-08-26 23:55:06

Local clock offset: -0.299 ms

Remote clock offset: 0.458 ms

Below is generated by plot.py at 2019-08-27 01:39:13

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.14 Mbit/s

95th percentile per-packet one-way delay: 4.089 ms

Loss rate: 0.02%

-- Flow 1:

Average throughput: 0.05 Mbit/s

95th percentile per-packet one-way delay: 3.934 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 0.05 Mbit/s

95th percentile per-packet one-way delay: 3.874 ms

Loss rate: 0.05%

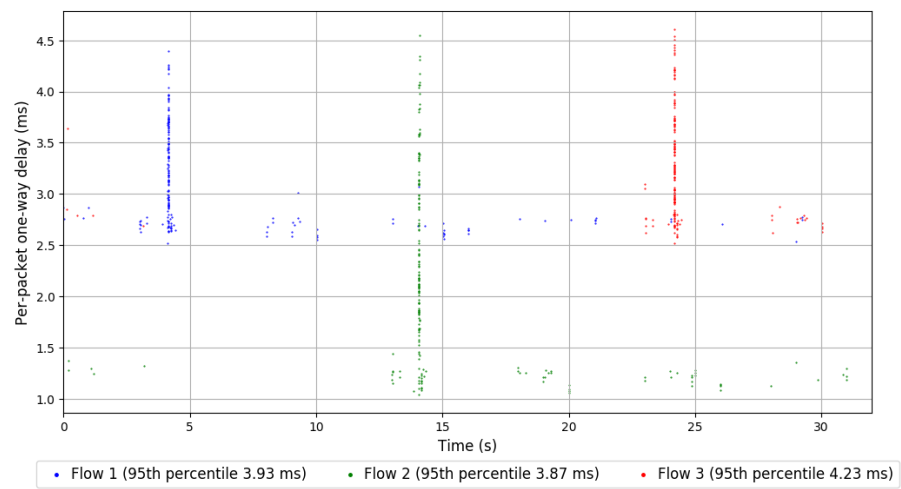
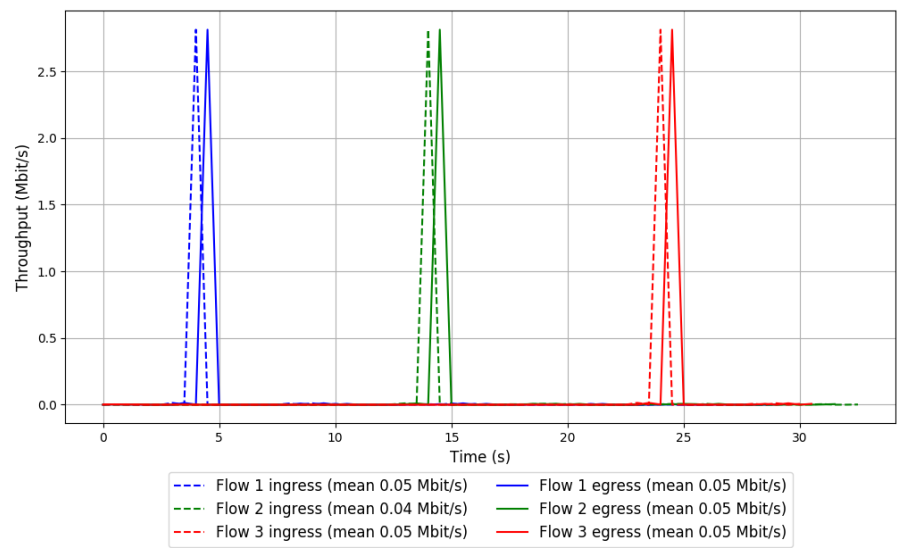
-- Flow 3:

Average throughput: 0.05 Mbit/s

95th percentile per-packet one-way delay: 4.233 ms

Loss rate: 0.00%

Run 2: Report of WebRTC media — Data Link



Run 3: Statistics of WebRTC media

Start at: 2019-08-27 00:21:45

End at: 2019-08-27 00:22:15

Local clock offset: -0.952 ms

Remote clock offset: 0.57 ms

Below is generated by plot.py at 2019-08-27 01:39:13

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.14 Mbit/s

95th percentile per-packet one-way delay: 5.250 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 0.05 Mbit/s

95th percentile per-packet one-way delay: 10.117 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 0.05 Mbit/s

95th percentile per-packet one-way delay: 4.231 ms

Loss rate: 0.00%

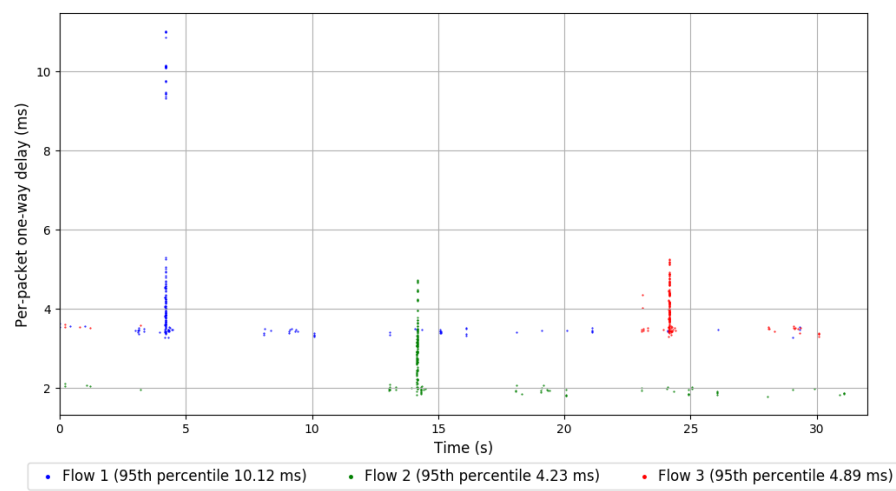
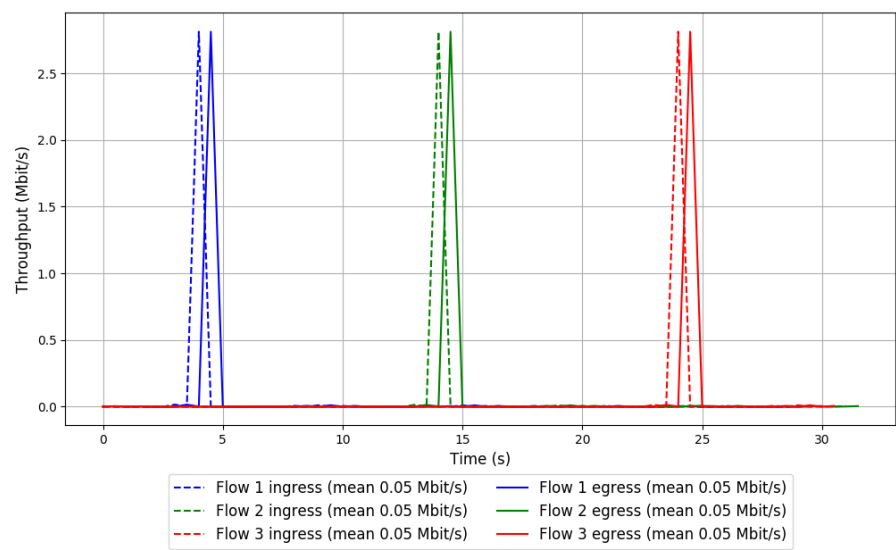
-- Flow 3:

Average throughput: 0.05 Mbit/s

95th percentile per-packet one-way delay: 4.890 ms

Loss rate: 0.00%

Run 3: Report of WebRTC media — Data Link



Run 4: Statistics of WebRTC media

Start at: 2019-08-27 00:48:55

End at: 2019-08-27 00:49:25

Local clock offset: -1.042 ms

Remote clock offset: 0.939 ms

Below is generated by plot.py at 2019-08-27 01:39:13

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.14 Mbit/s

95th percentile per-packet one-way delay: 5.068 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 0.05 Mbit/s

95th percentile per-packet one-way delay: 5.104 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 0.05 Mbit/s

95th percentile per-packet one-way delay: 5.182 ms

Loss rate: 0.00%

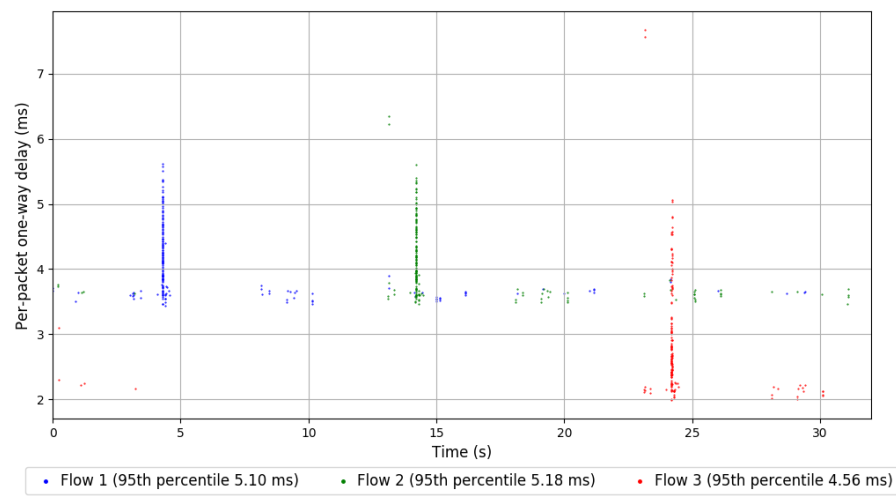
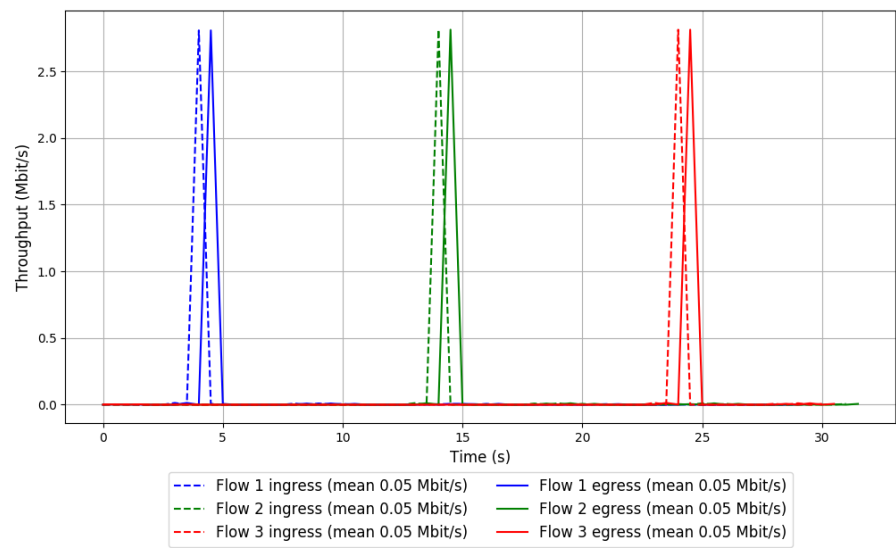
-- Flow 3:

Average throughput: 0.05 Mbit/s

95th percentile per-packet one-way delay: 4.560 ms

Loss rate: 0.00%

Run 4: Report of WebRTC media — Data Link



Run 5: Statistics of WebRTC media

Start at: 2019-08-27 01:16:05

End at: 2019-08-27 01:16:35

Local clock offset: -0.238 ms

Remote clock offset: 0.874 ms

Below is generated by plot.py at 2019-08-27 01:39:13

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.14 Mbit/s

95th percentile per-packet one-way delay: 4.200 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 0.05 Mbit/s

95th percentile per-packet one-way delay: 3.382 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 0.05 Mbit/s

95th percentile per-packet one-way delay: 4.000 ms

Loss rate: 0.00%

-- Flow 3:

Average throughput: 0.05 Mbit/s

95th percentile per-packet one-way delay: 8.770 ms

Loss rate: 0.00%

Run 5: Report of WebRTC media — Data Link

