

Pantheon Report

Generated at 2019-11-24 18:20:41 (UTC).

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

Repeated the test of 24 congestion control schemes 5 times.

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

NTP offsets were measured against **gps.ntp.br** and have been applied to correct the timestamps in logs.

System info:

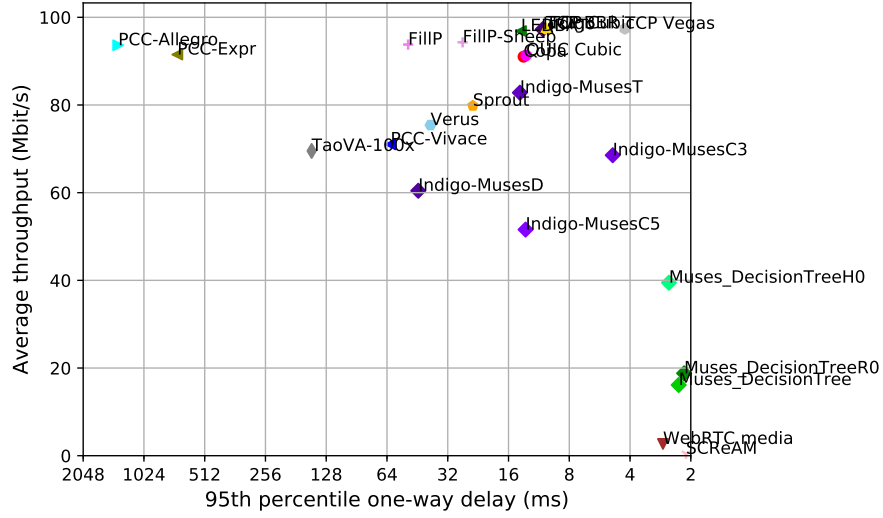
```
Linux 4.15.0-1051-aws
net.core.default_qdisc = fq
net.core.rmem_default = 16777216
net.core.rmem_max = 536870912
net.core.wmem_default = 16777216
net.core.wmem_max = 536870912
net.ipv4.tcp_rmem = 4096 16777216 536870912
net.ipv4.tcp_wmem = 4096 16777216 536870912
```

Git summary:

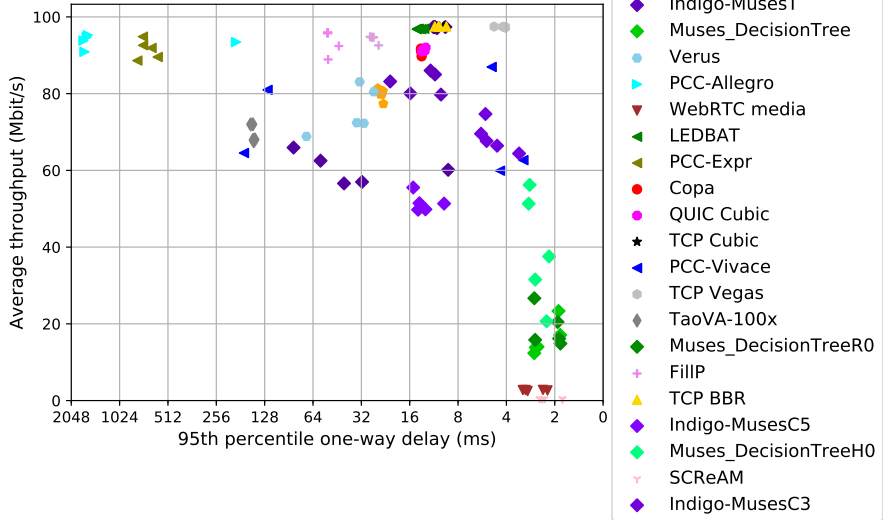
```
branch: muses @ de42328552b3776a75a932a94dfafd722537b0ec
third_party/fillp @ d6da1459332fcee56963885d7eba17e6a32d4519
third_party/fillp-sheep @ 0e5bb722943babcd2b090d2c64fcd45e12e923f9
third_party/genericCC @ d0153f8e594aa89e93b032143cedbdf58e562f4
third_party/indigo @ 2601c92e4aa9d58d38dc4dfe0ecd90c077e64d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

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

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



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



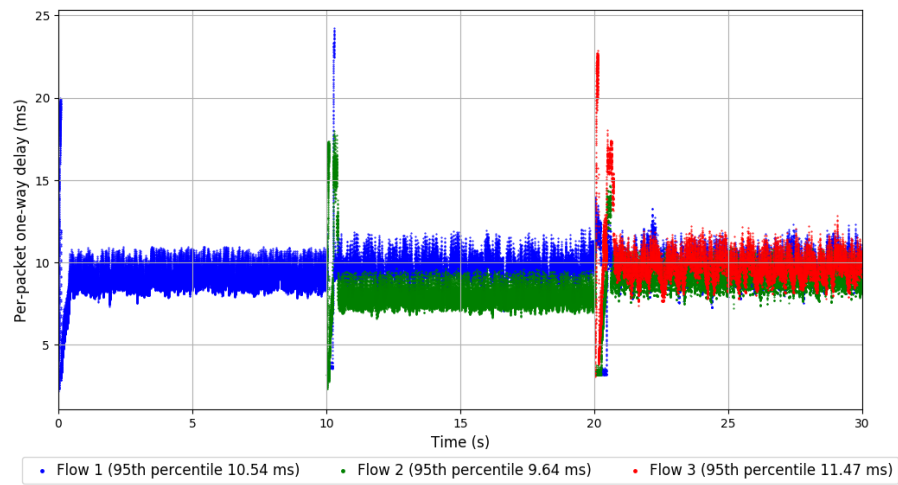
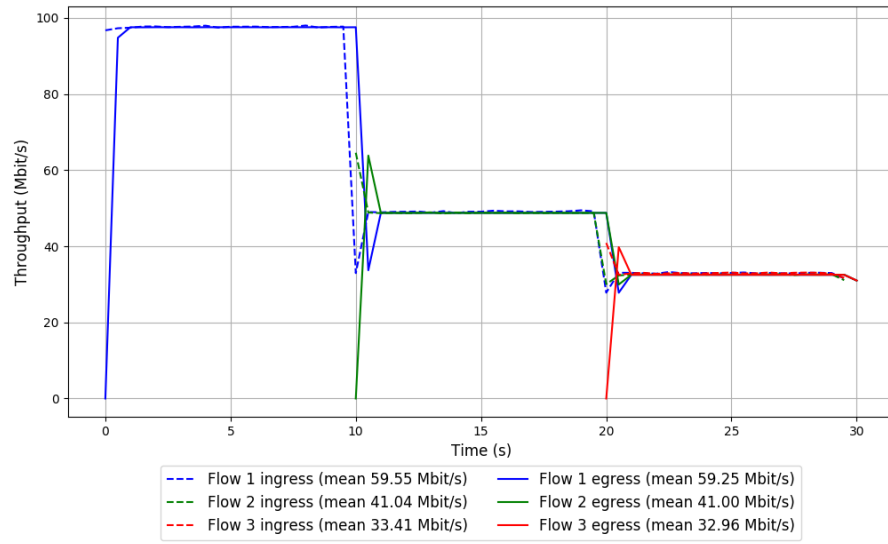
scheme	# runs	mean avg tput (Mbit/s)			mean 95th-%ile delay (ms)			mean loss rate (%)		
		flow 1	flow 2	flow 3	flow 1	flow 2	flow 3	flow 1	flow 2	flow 3
TCP BBR	5	56.46	43.57	36.17	10.17	10.44	12.13	0.32	0.52	0.95
Copa	5	54.35	39.98	30.19	12.38	13.67	16.00	0.04	0.10	0.17
TCP Cubic	5	59.63	40.64	32.49	9.96	9.94	10.28	0.08	0.14	0.25
FillP	5	55.51	44.27	26.52	30.40	50.85	46.33	0.11	2.41	2.20
FillP-Sheep	5	57.98	41.73	25.73	23.79	27.23	52.70	0.04	0.09	0.11
Indigo	5	59.70	40.60	32.28	9.52	11.20	8.39	0.06	1.18	0.11
Indigo-MusesC3	5	50.42	22.33	16.53	4.84	4.86	5.10	0.01	0.03	0.12
Indigo-MusesC5	5	25.51	28.11	32.53	10.13	13.39	15.84	0.03	0.07	0.15
Indigo-MusesD	5	31.79	31.45	34.34	16.70	16.11	52.02	0.07	0.19	3.27
Indigo-MusesT	5	53.93	37.69	21.95	12.01	15.86	14.68	0.04	0.09	0.23
LEDBAT	5	59.54	39.84	32.49	13.71	14.06	13.97	0.14	0.23	0.40
Muses_DecisionTree	5	7.19	9.40	8.49	2.26	2.29	2.43	0.01	0.02	0.03
Muses_DecisionTreeH0	5	9.62	25.74	39.99	2.50	2.53	2.48	0.01	0.01	0.04
Muses_DecisionTreeR0	5	7.15	9.20	17.39	2.12	2.17	2.17	0.01	0.01	0.01
PCC-Allegro	5	65.63	31.77	20.91	1509.64	451.46	6.14	10.89	4.33	0.09
PCC-Expr	5	56.68	38.44	28.07	710.93	533.00	264.63	24.74	32.10	3.43
QUIC Cubic	5	54.34	40.10	31.18	12.88	13.08	13.55	0.17	0.35	0.50
SCReAM	5	0.22	0.22	0.22	2.11	2.11	2.11	0.00	0.04	0.07
Sprout	5	43.38	38.80	32.19	22.43	24.04	25.62	0.12	0.21	0.57
TaoVA-100x	5	49.03	29.96	8.48	13.64	153.95	157.24	0.01	0.05	0.41
TCP Vegas	5	52.41	49.12	36.86	3.15	4.09	4.58	0.01	0.02	0.06
Verus	5	40.37	35.52	34.36	33.05	35.78	122.41	0.03	0.08	0.20
PCC-Vivace	5	38.43	35.28	27.63	3.71	4.92	160.64	0.12	0.02	2.06
WebRTC media	5	1.49	0.81	0.39	2.75	2.70	2.81	0.01	0.00	0.06

Run 1: Statistics of TCP BBR

Start at: 2019-11-24 15:57:57
End at: 2019-11-24 15:58:27
Local clock offset: 0.218 ms
Remote clock offset: -0.355 ms

Below is generated by plot.py at 2019-11-24 18:07:19
Datalink statistics
-- Total of 3 flows:
Average throughput: 97.49 Mbit/s
95th percentile per-packet one-way delay: 10.591 ms
Loss rate: 0.51%
-- Flow 1:
Average throughput: 59.25 Mbit/s
95th percentile per-packet one-way delay: 10.543 ms
Loss rate: 0.52%
-- Flow 2:
Average throughput: 41.00 Mbit/s
95th percentile per-packet one-way delay: 9.639 ms
Loss rate: 0.14%
-- Flow 3:
Average throughput: 32.96 Mbit/s
95th percentile per-packet one-way delay: 11.467 ms
Loss rate: 1.40%

Run 1: Report of TCP BBR — Data Link

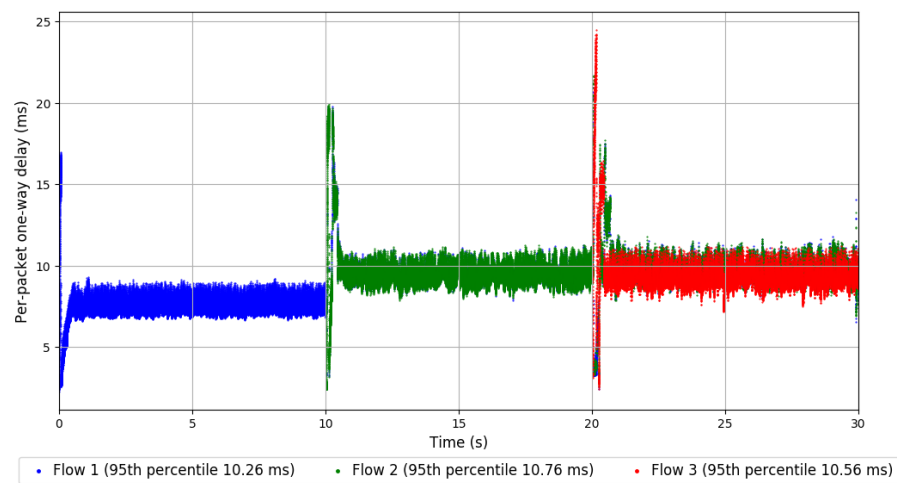
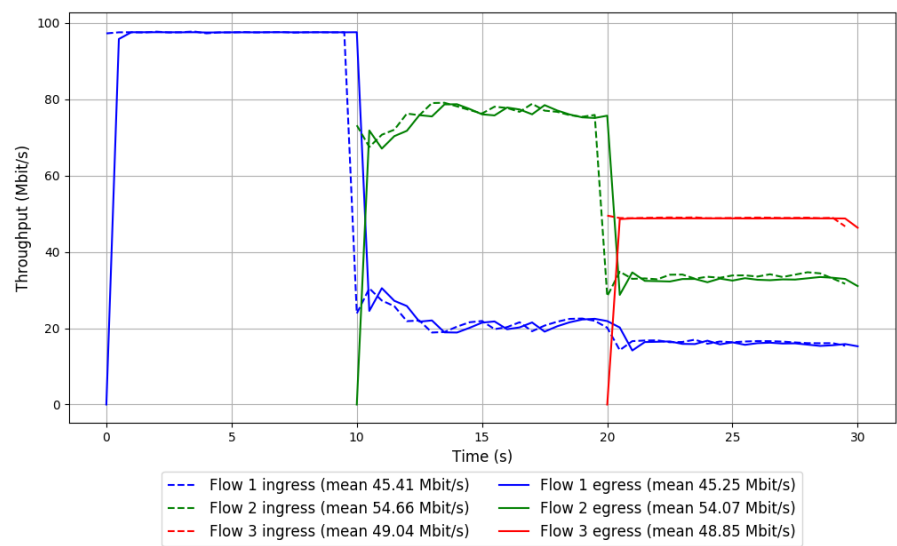


Run 2: Statistics of TCP BBR

Start at: 2019-11-24 16:25:22
End at: 2019-11-24 16:25:52
Local clock offset: -0.67 ms
Remote clock offset: -0.107 ms

Below is generated by plot.py at 2019-11-24 18:07:19
Datalink statistics
-- Total of 3 flows:
Average throughput: 97.48 Mbit/s
95th percentile per-packet one-way delay: 10.548 ms
Loss rate: 0.65%
-- Flow 1:
Average throughput: 45.25 Mbit/s
95th percentile per-packet one-way delay: 10.256 ms
Loss rate: 0.36%
-- Flow 2:
Average throughput: 54.07 Mbit/s
95th percentile per-packet one-way delay: 10.759 ms
Loss rate: 1.13%
-- Flow 3:
Average throughput: 48.85 Mbit/s
95th percentile per-packet one-way delay: 10.558 ms
Loss rate: 0.41%

Run 2: Report of TCP BBR — Data Link



Run 3: Statistics of TCP BBR

Start at: 2019-11-24 16:52:49

End at: 2019-11-24 16:53:19

Local clock offset: -0.516 ms

Remote clock offset: 0.222 ms

Below is generated by plot.py at 2019-11-24 18:07:20

Datalink statistics

-- Total of 3 flows:

Average throughput: 97.49 Mbit/s

95th percentile per-packet one-way delay: 11.168 ms

Loss rate: 0.58%

-- Flow 1:

Average throughput: 59.26 Mbit/s

95th percentile per-packet one-way delay: 10.998 ms

Loss rate: 0.51%

-- Flow 2:

Average throughput: 40.93 Mbit/s

95th percentile per-packet one-way delay: 11.781 ms

Loss rate: 0.82%

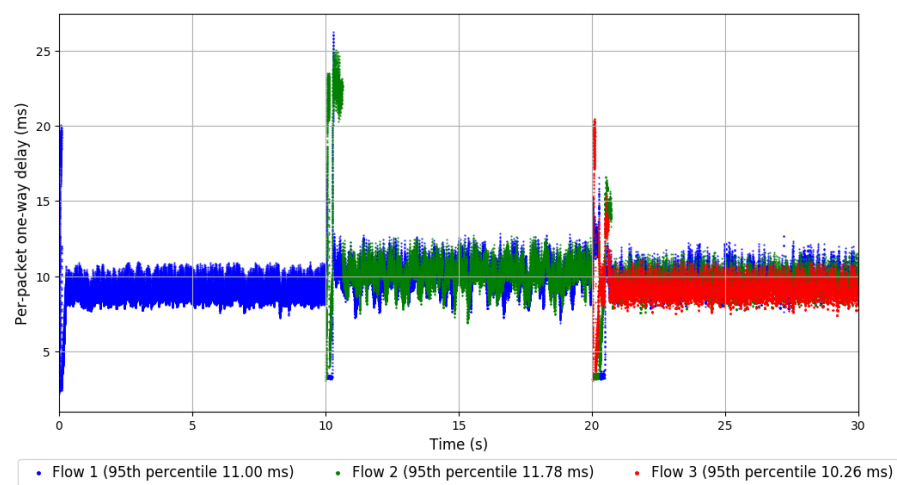
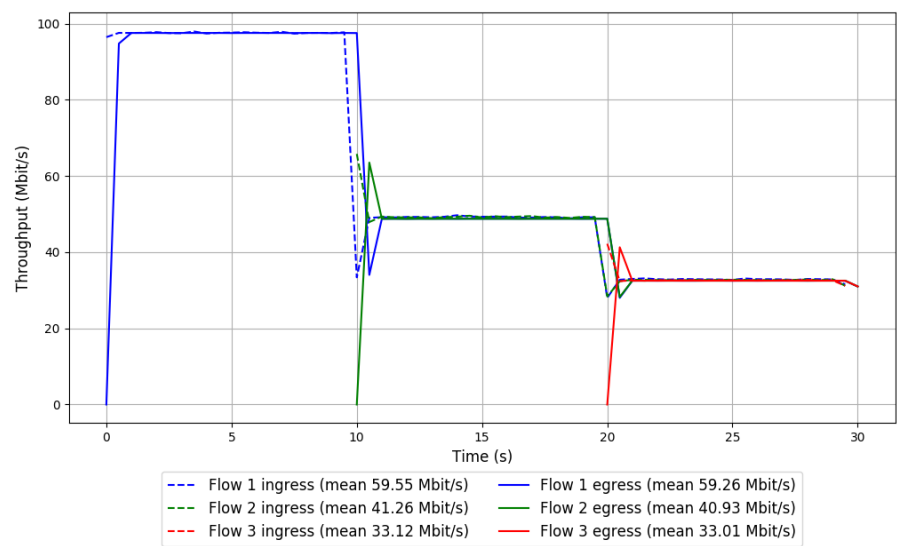
-- Flow 3:

Average throughput: 33.01 Mbit/s

95th percentile per-packet one-way delay: 10.255 ms

Loss rate: 0.39%

Run 3: Report of TCP BBR — Data Link



Run 4: Statistics of TCP BBR

Start at: 2019-11-24 17:20:13

End at: 2019-11-24 17:20:43

Local clock offset: -0.372 ms

Remote clock offset: 0.467 ms

Below is generated by plot.py at 2019-11-24 18:07:20

Datalink statistics

-- Total of 3 flows:

Average throughput: 97.48 Mbit/s

95th percentile per-packet one-way delay: 9.464 ms

Loss rate: 0.28%

-- Flow 1:

Average throughput: 59.26 Mbit/s

95th percentile per-packet one-way delay: 9.182 ms

Loss rate: 0.14%

-- Flow 2:

Average throughput: 40.93 Mbit/s

95th percentile per-packet one-way delay: 9.473 ms

Loss rate: 0.20%

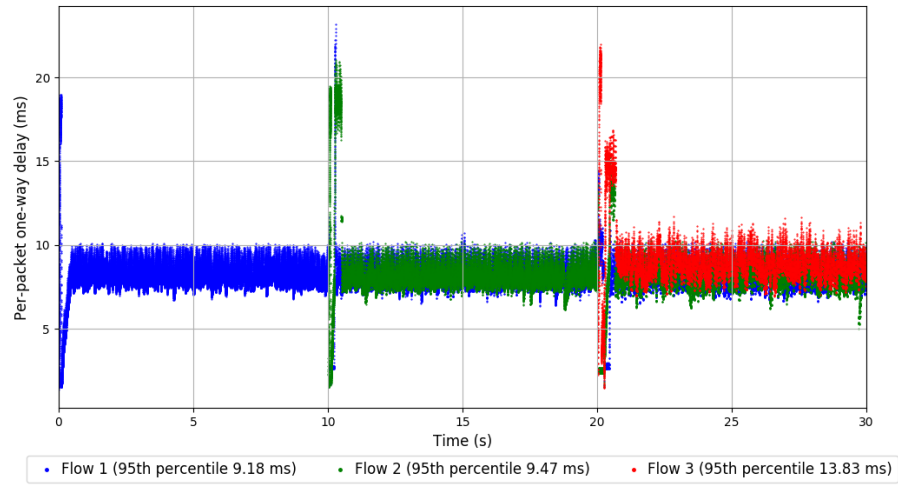
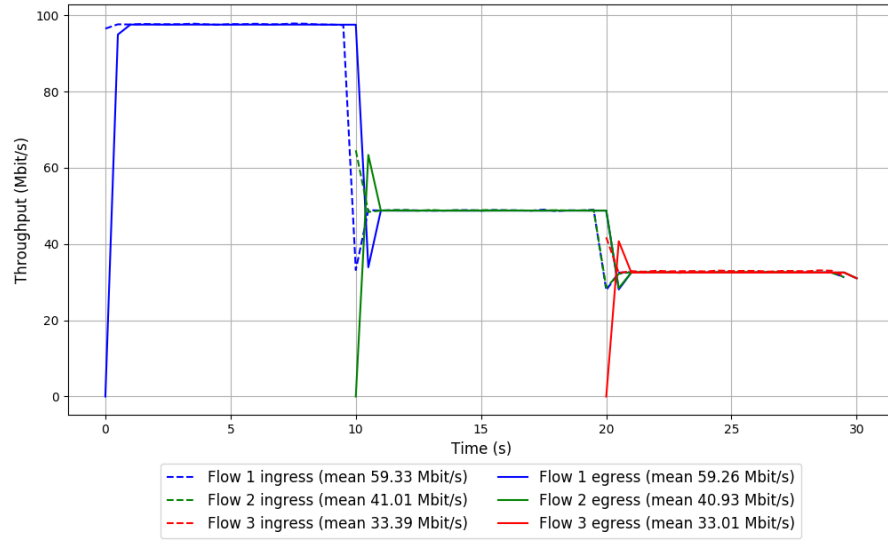
-- Flow 3:

Average throughput: 33.01 Mbit/s

95th percentile per-packet one-way delay: 13.827 ms

Loss rate: 1.24%

Run 4: Report of TCP BBR — Data Link



Run 5: Statistics of TCP BBR

Start at: 2019-11-24 17:47:37

End at: 2019-11-24 17:48:07

Local clock offset: 0.389 ms

Remote clock offset: 0.601 ms

Below is generated by plot.py at 2019-11-24 18:07:20

Datalink statistics

-- Total of 3 flows:

Average throughput: 97.47 Mbit/s

95th percentile per-packet one-way delay: 10.429 ms

Loss rate: 0.28%

-- Flow 1:

Average throughput: 59.26 Mbit/s

95th percentile per-packet one-way delay: 9.863 ms

Loss rate: 0.08%

-- Flow 2:

Average throughput: 40.94 Mbit/s

95th percentile per-packet one-way delay: 10.558 ms

Loss rate: 0.29%

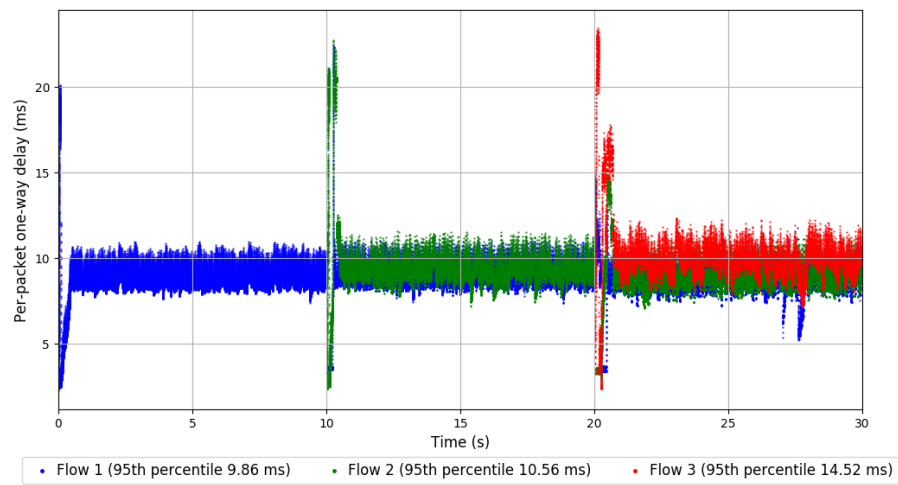
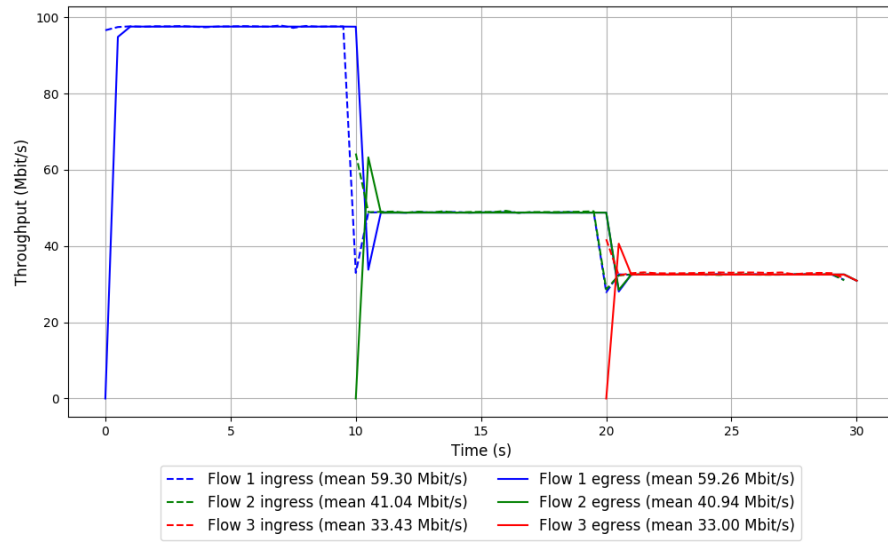
-- Flow 3:

Average throughput: 33.00 Mbit/s

95th percentile per-packet one-way delay: 14.521 ms

Loss rate: 1.33%

Run 5: Report of TCP BBR — Data Link

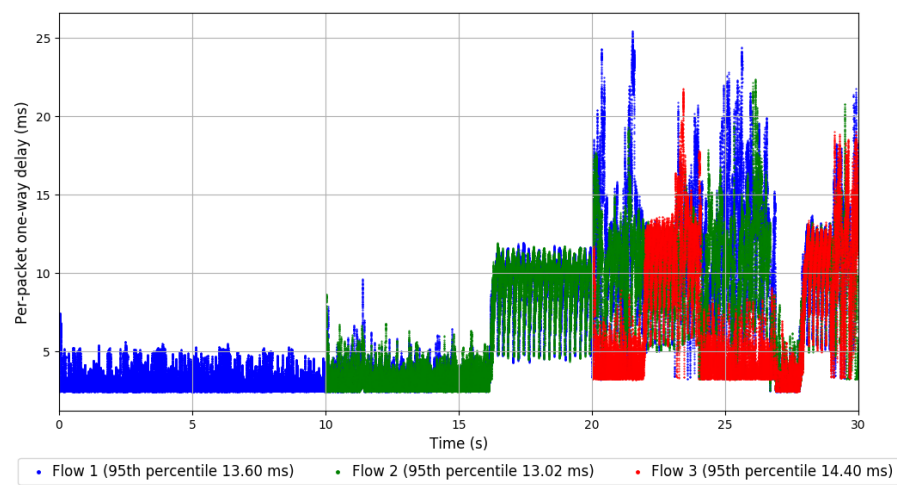
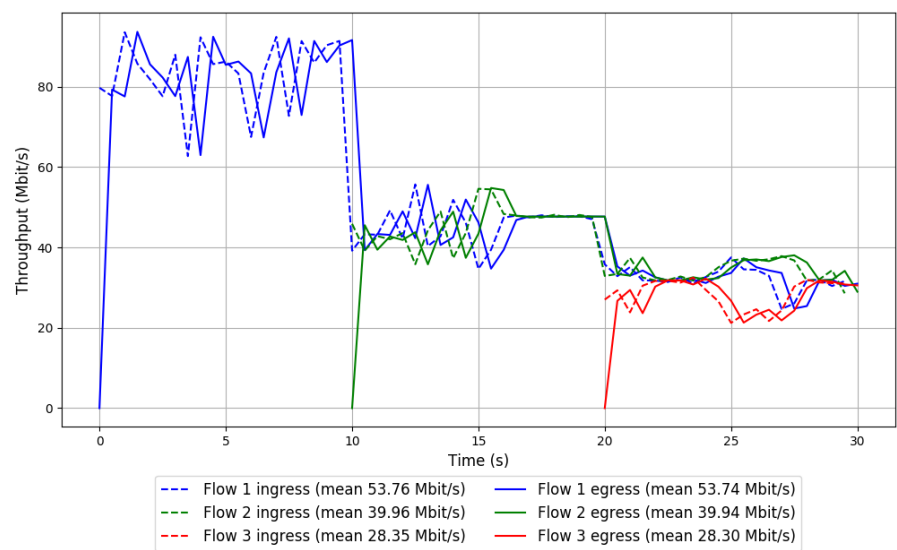


Run 1: Statistics of Copa

Start at: 2019-11-24 15:53:18
End at: 2019-11-24 15:53:48
Local clock offset: 0.235 ms
Remote clock offset: -0.497 ms

Below is generated by plot.py at 2019-11-24 18:08:12
Datalink statistics
-- Total of 3 flows:
Average throughput: 89.74 Mbit/s
95th percentile per-packet one-way delay: 13.483 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 53.74 Mbit/s
95th percentile per-packet one-way delay: 13.603 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 39.94 Mbit/s
95th percentile per-packet one-way delay: 13.019 ms
Loss rate: 0.07%
-- Flow 3:
Average throughput: 28.30 Mbit/s
95th percentile per-packet one-way delay: 14.398 ms
Loss rate: 0.23%

Run 1: Report of Copa — Data Link

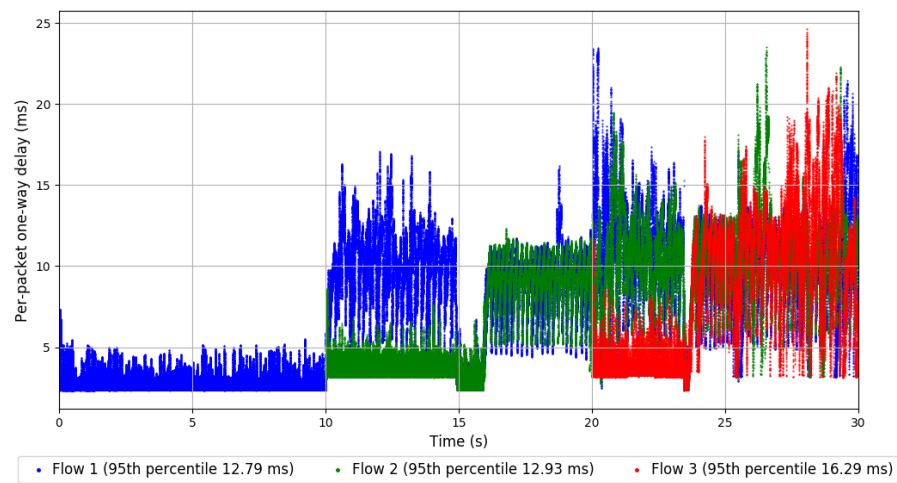
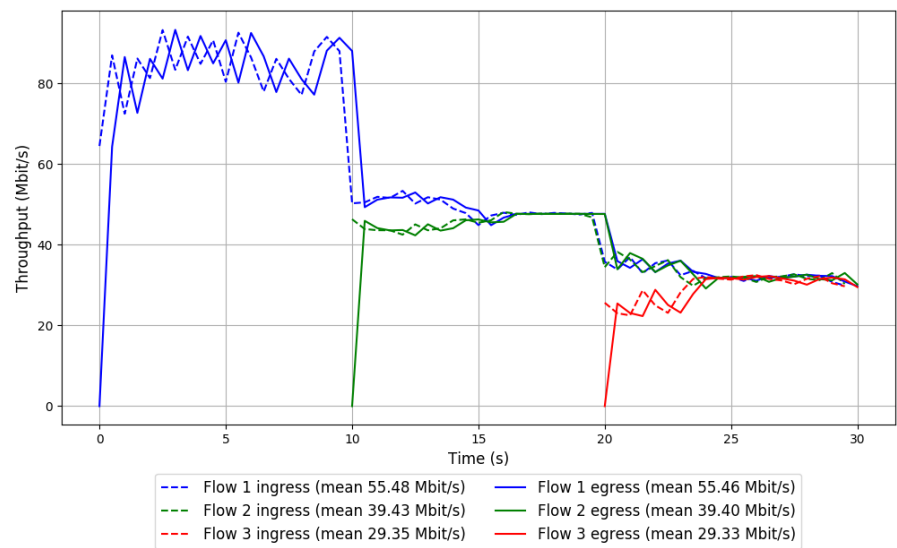


Run 2: Statistics of Copa

Start at: 2019-11-24 16:20:44
End at: 2019-11-24 16:21:14
Local clock offset: -0.607 ms
Remote clock offset: -0.225 ms

Below is generated by plot.py at 2019-11-24 18:08:15
Datalink statistics
-- Total of 3 flows:
Average throughput: 91.46 Mbit/s
95th percentile per-packet one-way delay: 13.290 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 55.46 Mbit/s
95th percentile per-packet one-way delay: 12.788 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 39.40 Mbit/s
95th percentile per-packet one-way delay: 12.933 ms
Loss rate: 0.09%
-- Flow 3:
Average throughput: 29.33 Mbit/s
95th percentile per-packet one-way delay: 16.286 ms
Loss rate: 0.09%

Run 2: Report of Copa — Data Link



Run 3: Statistics of Copa

Start at: 2019-11-24 16:48:10

End at: 2019-11-24 16:48:40

Local clock offset: -1.321 ms

Remote clock offset: 0.118 ms

Below is generated by plot.py at 2019-11-24 18:08:15

Datalink statistics

-- Total of 3 flows:

Average throughput: 91.72 Mbit/s

95th percentile per-packet one-way delay: 13.614 ms

Loss rate: 0.08%

-- Flow 1:

Average throughput: 54.79 Mbit/s

95th percentile per-packet one-way delay: 11.218 ms

Loss rate: 0.03%

-- Flow 2:

Average throughput: 39.61 Mbit/s

95th percentile per-packet one-way delay: 15.024 ms

Loss rate: 0.12%

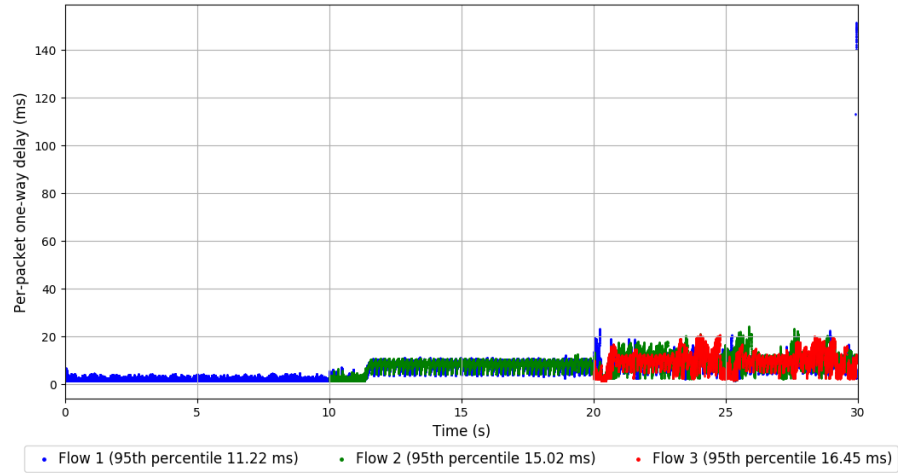
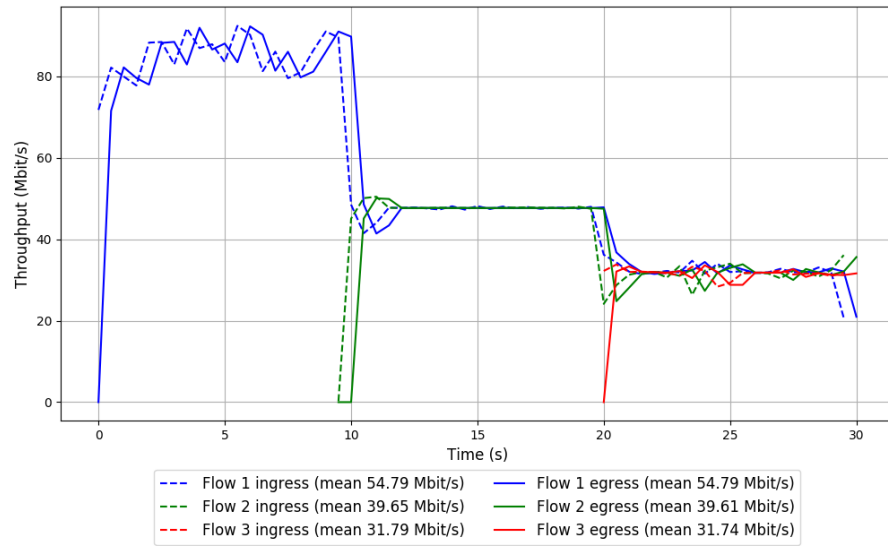
-- Flow 3:

Average throughput: 31.74 Mbit/s

95th percentile per-packet one-way delay: 16.450 ms

Loss rate: 0.22%

Run 3: Report of Copa — Data Link



Run 4: Statistics of Copa

Start at: 2019-11-24 17:15:34

End at: 2019-11-24 17:16:04

Local clock offset: 0.178 ms

Remote clock offset: 0.37 ms

Below is generated by plot.py at 2019-11-24 18:09:16

Datalink statistics

-- Total of 3 flows:

Average throughput: 91.13 Mbit/s

95th percentile per-packet one-way delay: 13.431 ms

Loss rate: 0.08%

-- Flow 1:

Average throughput: 54.21 Mbit/s

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

Loss rate: 0.05%

-- Flow 2:

Average throughput: 39.64 Mbit/s

95th percentile per-packet one-way delay: 13.764 ms

Loss rate: 0.11%

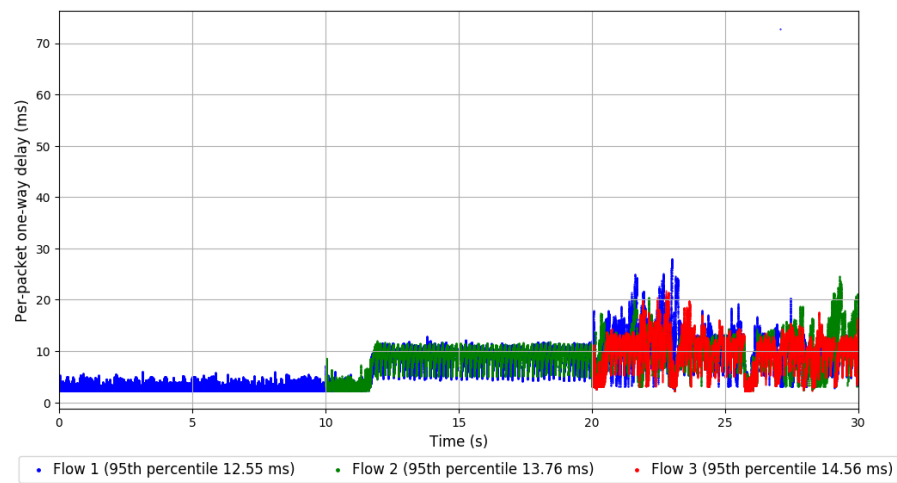
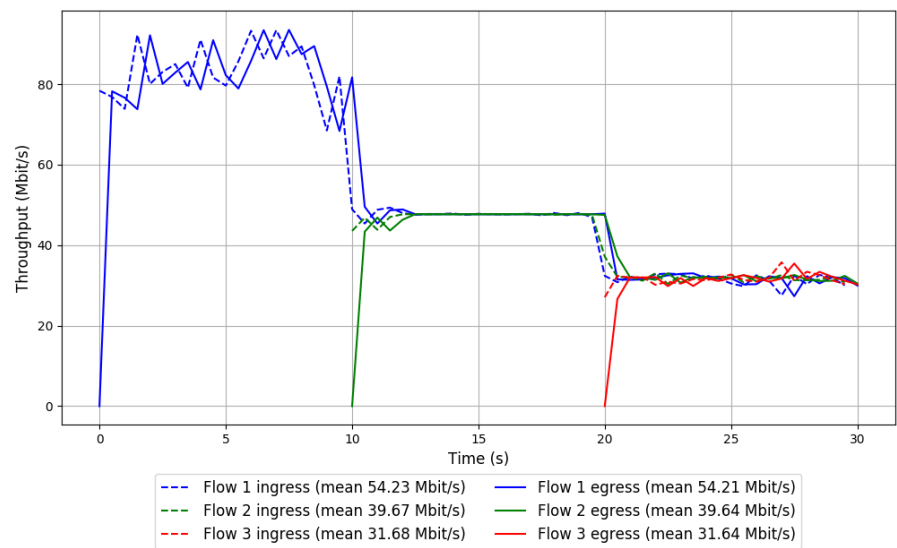
-- Flow 3:

Average throughput: 31.64 Mbit/s

95th percentile per-packet one-way delay: 14.564 ms

Loss rate: 0.17%

Run 4: Report of Copa — Data Link



Run 5: Statistics of Copa

Start at: 2019-11-24 17:42:58

End at: 2019-11-24 17:43:28

Local clock offset: 0.568 ms

Remote clock offset: 0.531 ms

Below is generated by plot.py at 2019-11-24 18:09:17

Datalink statistics

-- Total of 3 flows:

Average throughput: 91.02 Mbit/s

95th percentile per-packet one-way delay: 13.590 ms

Loss rate: 0.07%

-- Flow 1:

Average throughput: 53.56 Mbit/s

95th percentile per-packet one-way delay: 11.762 ms

Loss rate: 0.04%

-- Flow 2:

Average throughput: 41.31 Mbit/s

95th percentile per-packet one-way delay: 13.588 ms

Loss rate: 0.09%

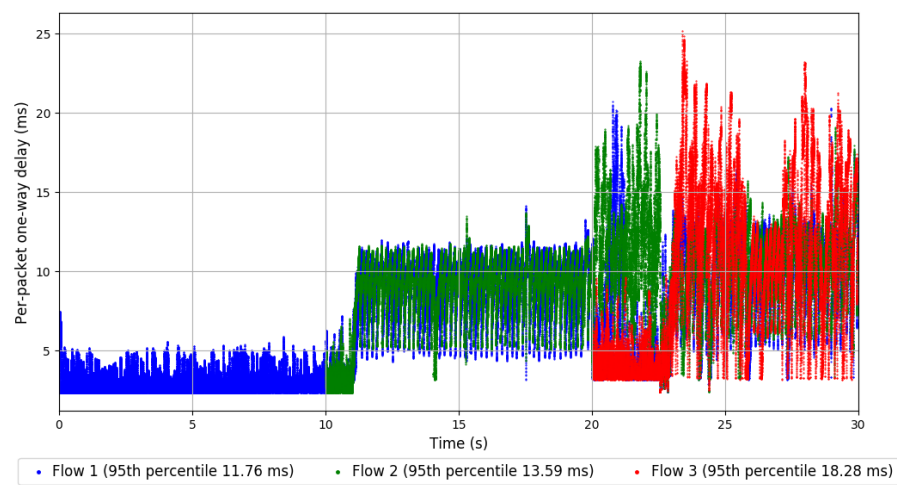
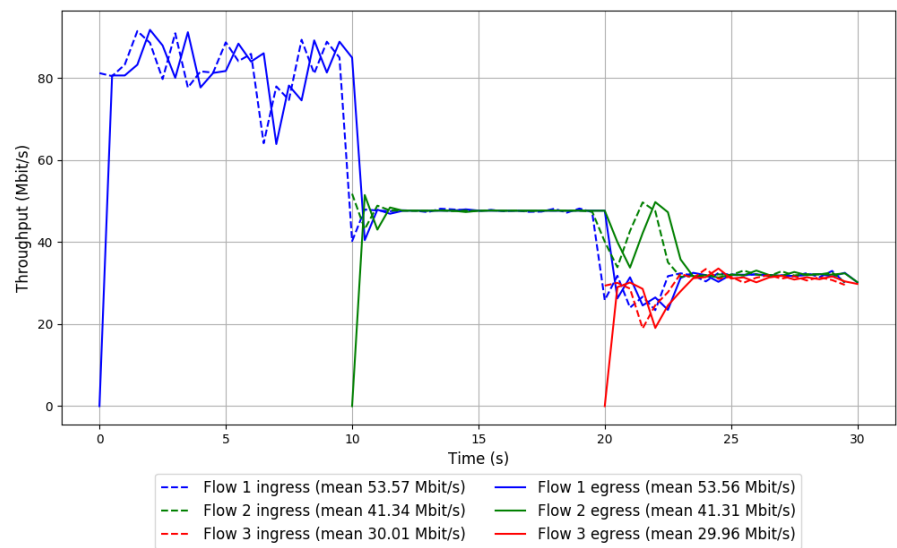
-- Flow 3:

Average throughput: 29.96 Mbit/s

95th percentile per-packet one-way delay: 18.282 ms

Loss rate: 0.16%

Run 5: Report of Copa — Data Link

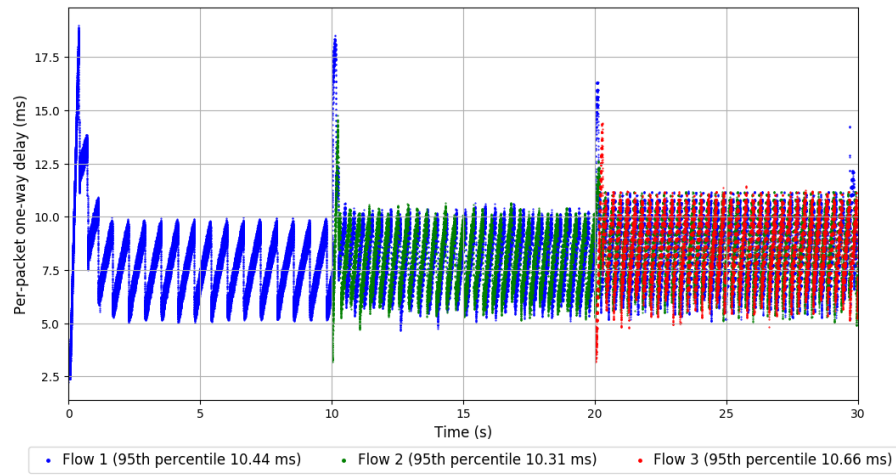
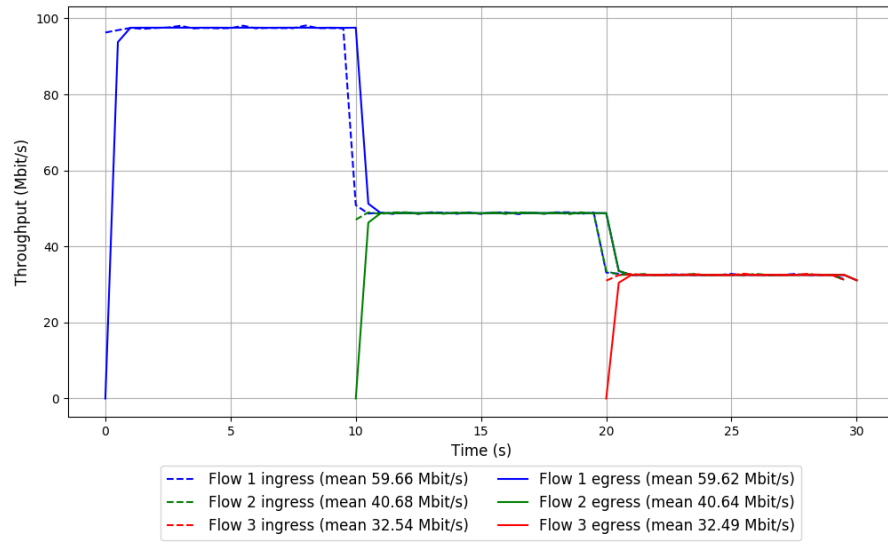


Run 1: Statistics of TCP Cubic

Start at: 2019-11-24 16:11:32
End at: 2019-11-24 16:12:02
Local clock offset: -0.024 ms
Remote clock offset: -0.314 ms

Below is generated by plot.py at 2019-11-24 18:09:17
Datalink statistics
-- Total of 3 flows:
Average throughput: 97.47 Mbit/s
95th percentile per-packet one-way delay: 10.427 ms
Loss rate: 0.11%
-- Flow 1:
Average throughput: 59.62 Mbit/s
95th percentile per-packet one-way delay: 10.440 ms
Loss rate: 0.08%
-- Flow 2:
Average throughput: 40.64 Mbit/s
95th percentile per-packet one-way delay: 10.310 ms
Loss rate: 0.13%
-- Flow 3:
Average throughput: 32.49 Mbit/s
95th percentile per-packet one-way delay: 10.660 ms
Loss rate: 0.23%

Run 1: Report of TCP Cubic — Data Link



Run 2: Statistics of TCP Cubic

Start at: 2019-11-24 16:39:00

End at: 2019-11-24 16:39:30

Local clock offset: -1.634 ms

Remote clock offset: 0.027 ms

Below is generated by plot.py at 2019-11-24 18:09:17

Datalink statistics

-- Total of 3 flows:

Average throughput: 97.50 Mbit/s

95th percentile per-packet one-way delay: 9.679 ms

Loss rate: 0.12%

-- Flow 1:

Average throughput: 59.65 Mbit/s

95th percentile per-packet one-way delay: 9.569 ms

Loss rate: 0.09%

-- Flow 2:

Average throughput: 40.65 Mbit/s

95th percentile per-packet one-way delay: 9.751 ms

Loss rate: 0.15%

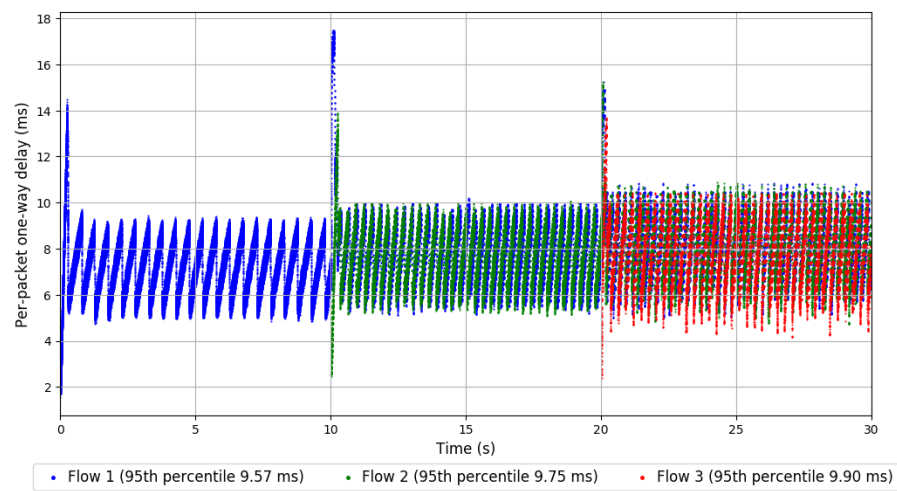
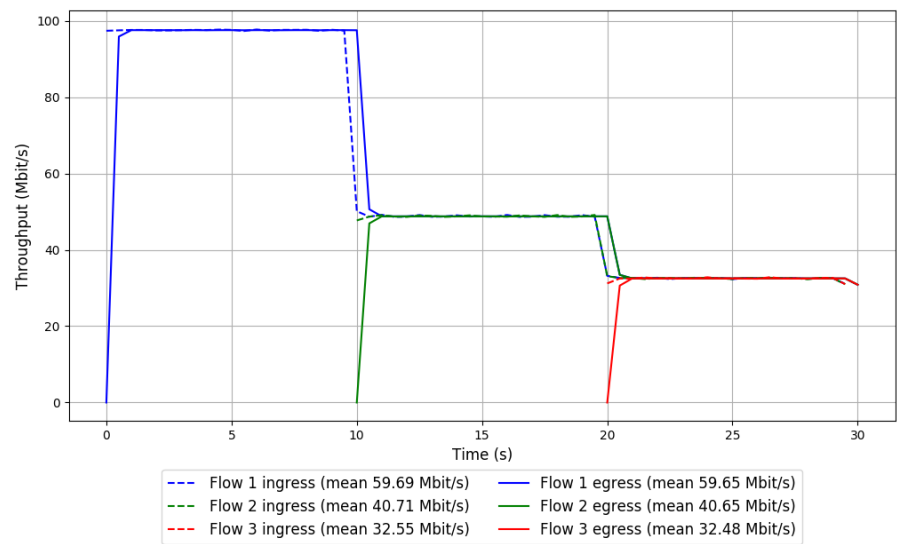
-- Flow 3:

Average throughput: 32.48 Mbit/s

95th percentile per-packet one-way delay: 9.904 ms

Loss rate: 0.24%

Run 2: Report of TCP Cubic — Data Link



Run 3: Statistics of TCP Cubic

Start at: 2019-11-24 17:06:25

End at: 2019-11-24 17:06:55

Local clock offset: -1.191 ms

Remote clock offset: 0.317 ms

Below is generated by plot.py at 2019-11-24 18:09:17

Datalink statistics

-- Total of 3 flows:

Average throughput: 97.47 Mbit/s

95th percentile per-packet one-way delay: 9.861 ms

Loss rate: 0.12%

-- Flow 1:

Average throughput: 59.62 Mbit/s

95th percentile per-packet one-way delay: 9.931 ms

Loss rate: 0.09%

-- Flow 2:

Average throughput: 40.64 Mbit/s

95th percentile per-packet one-way delay: 9.542 ms

Loss rate: 0.13%

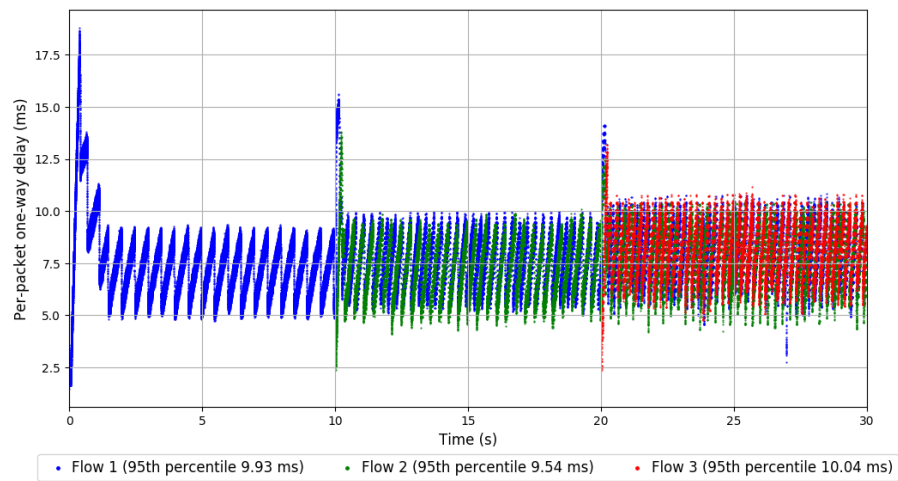
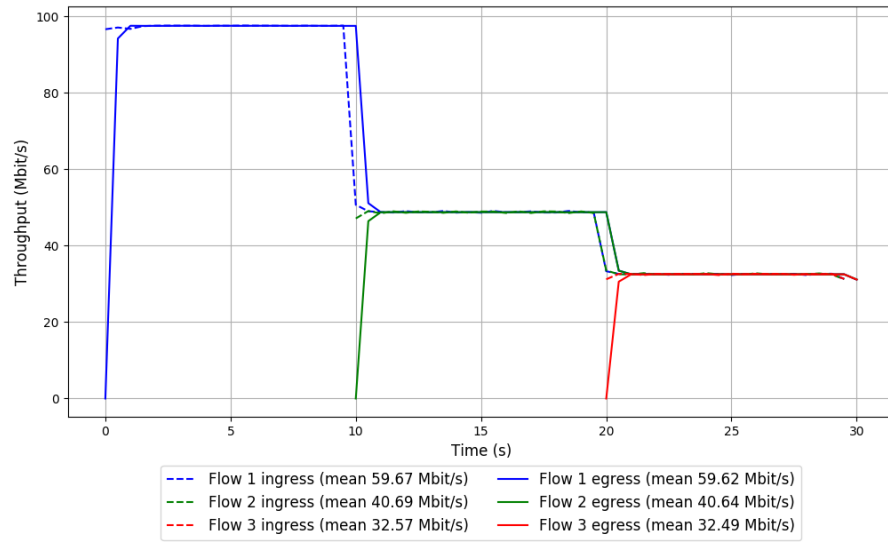
-- Flow 3:

Average throughput: 32.49 Mbit/s

95th percentile per-packet one-way delay: 10.037 ms

Loss rate: 0.27%

Run 3: Report of TCP Cubic — Data Link



Run 4: Statistics of TCP Cubic

Start at: 2019-11-24 17:33:50

End at: 2019-11-24 17:34:20

Local clock offset: 0.803 ms

Remote clock offset: 0.553 ms

Below is generated by plot.py at 2019-11-24 18:09:17

Datalink statistics

-- Total of 3 flows:

Average throughput: 97.47 Mbit/s

95th percentile per-packet one-way delay: 10.468 ms

Loss rate: 0.12%

-- Flow 1:

Average throughput: 59.62 Mbit/s

95th percentile per-packet one-way delay: 10.531 ms

Loss rate: 0.08%

-- Flow 2:

Average throughput: 40.64 Mbit/s

95th percentile per-packet one-way delay: 10.170 ms

Loss rate: 0.13%

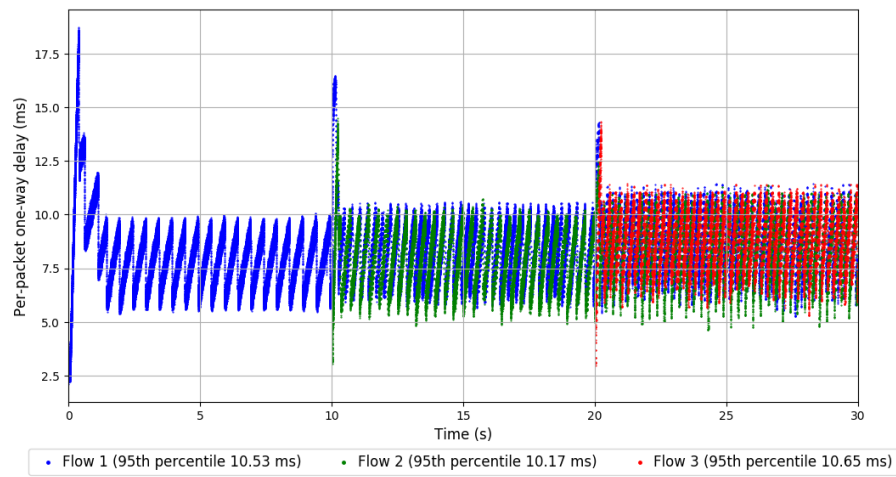
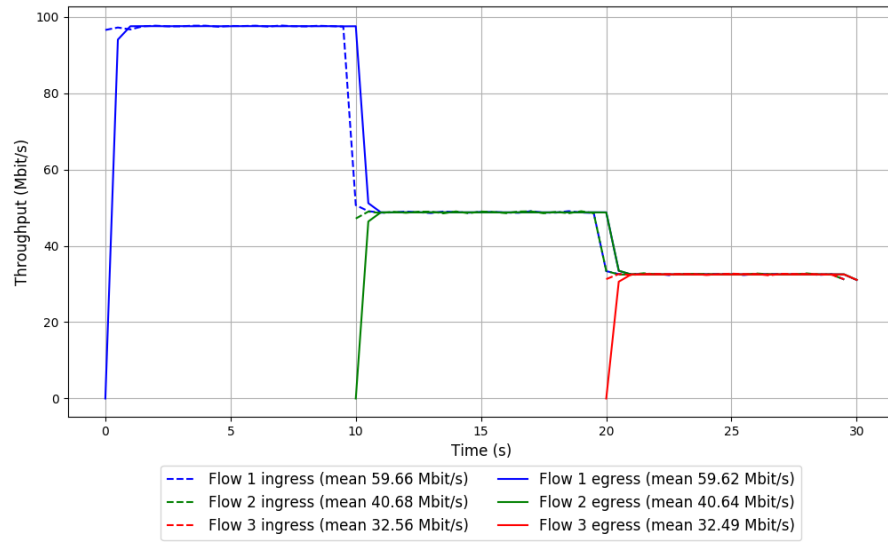
-- Flow 3:

Average throughput: 32.49 Mbit/s

95th percentile per-packet one-way delay: 10.654 ms

Loss rate: 0.25%

Run 4: Report of TCP Cubic — Data Link



Run 5: Statistics of TCP Cubic

Start at: 2019-11-24 18:01:14

End at: 2019-11-24 18:01:44

Local clock offset: -0.665 ms

Remote clock offset: 0.582 ms

Below is generated by plot.py at 2019-11-24 18:09:19

Datalink statistics

-- Total of 3 flows:

Average throughput: 97.48 Mbit/s

95th percentile per-packet one-way delay: 9.750 ms

Loss rate: 0.12%

-- Flow 1:

Average throughput: 59.62 Mbit/s

95th percentile per-packet one-way delay: 9.352 ms

Loss rate: 0.08%

-- Flow 2:

Average throughput: 40.65 Mbit/s

95th percentile per-packet one-way delay: 9.932 ms

Loss rate: 0.15%

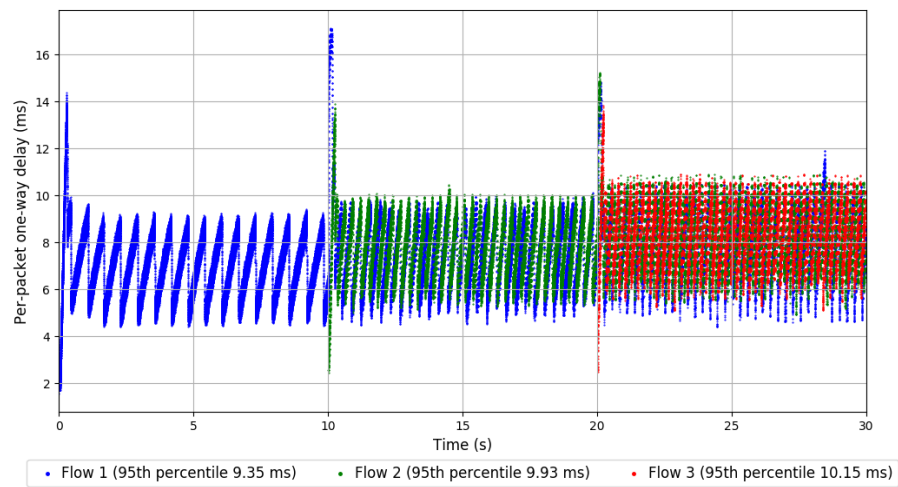
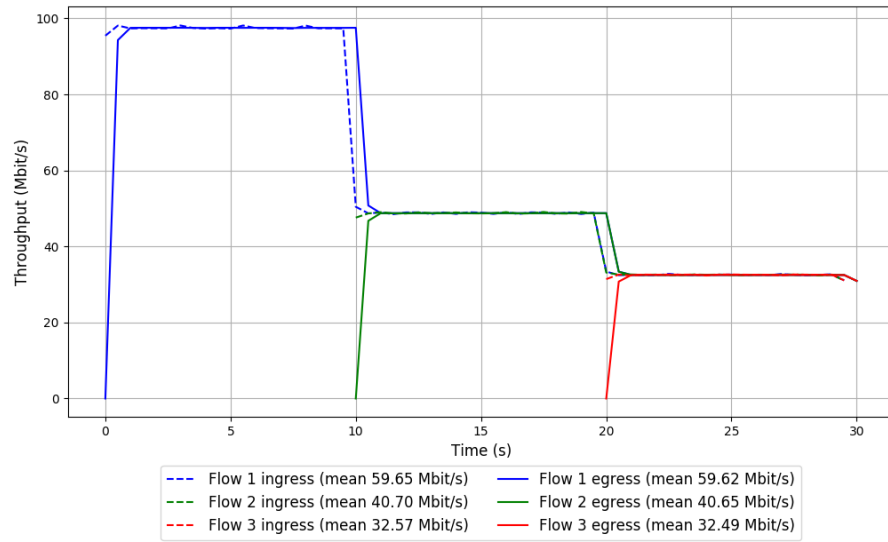
-- Flow 3:

Average throughput: 32.49 Mbit/s

95th percentile per-packet one-way delay: 10.154 ms

Loss rate: 0.27%

Run 5: Report of TCP Cubic — Data Link

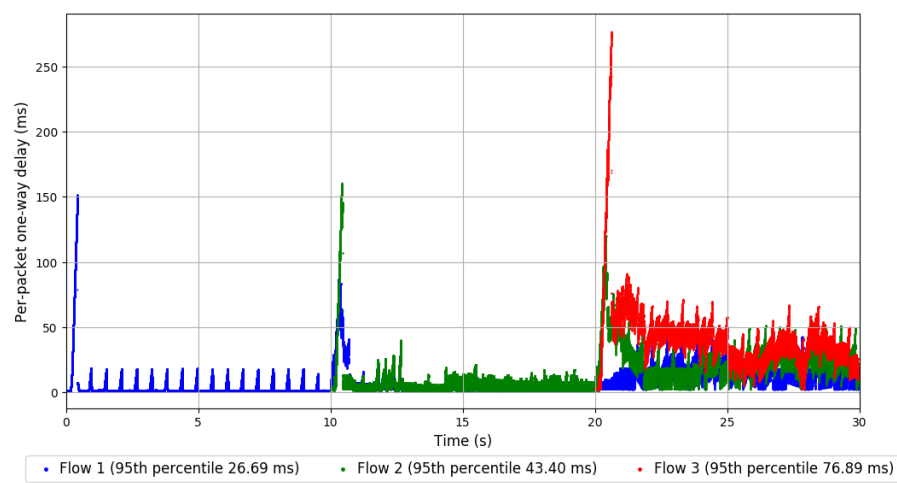
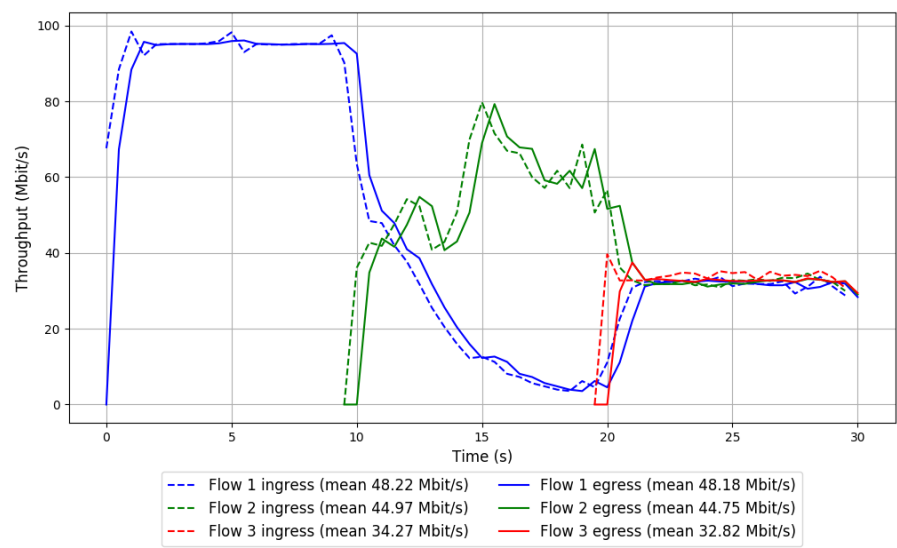


Run 1: Statistics of FillP

Start at: 2019-11-24 15:59:06
End at: 2019-11-24 15:59:36
Local clock offset: -0.528 ms
Remote clock offset: -0.408 ms

Below is generated by plot.py at 2019-11-24 18:09:32
Datalink statistics
-- Total of 3 flows:
Average throughput: 88.91 Mbit/s
95th percentile per-packet one-way delay: 51.558 ms
Loss rate: 0.74%
-- Flow 1:
Average throughput: 48.18 Mbit/s
95th percentile per-packet one-way delay: 26.688 ms
Loss rate: 0.08%
-- Flow 2:
Average throughput: 44.75 Mbit/s
95th percentile per-packet one-way delay: 43.404 ms
Loss rate: 0.45%
-- Flow 3:
Average throughput: 32.82 Mbit/s
95th percentile per-packet one-way delay: 76.888 ms
Loss rate: 4.26%

Run 1: Report of FillP — Data Link

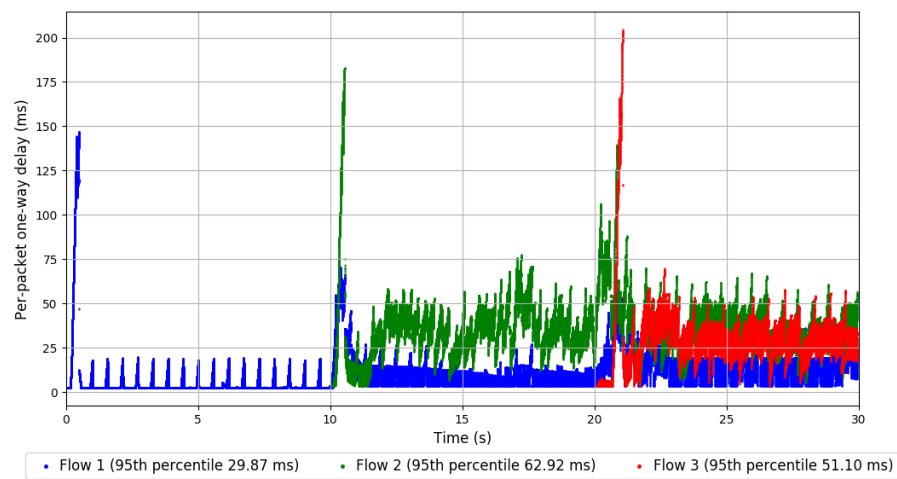
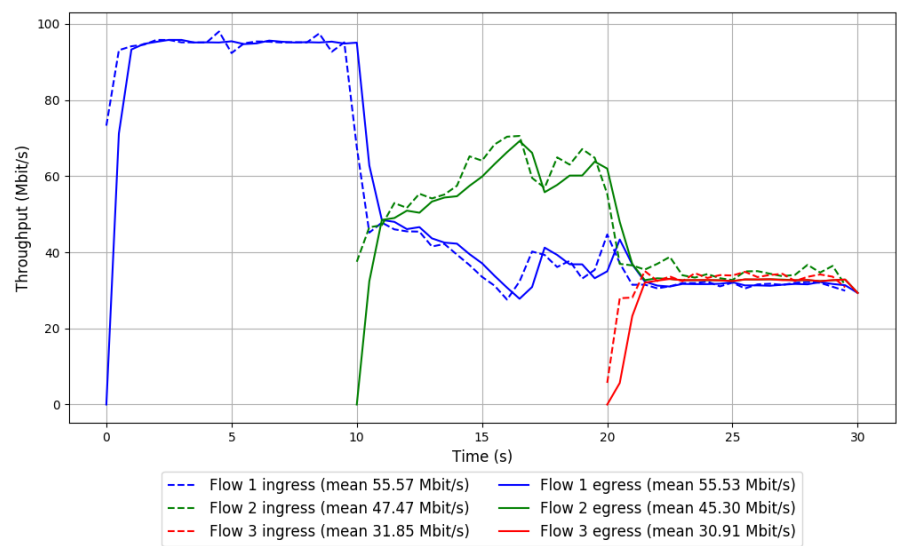


Run 2: Statistics of FillP

Start at: 2019-11-24 16:26:32
End at: 2019-11-24 16:27:02
Local clock offset: -0.692 ms
Remote clock offset: -0.087 ms

Below is generated by plot.py at 2019-11-24 18:09:47
Datalink statistics
-- Total of 3 flows:
Average throughput: 95.91 Mbit/s
95th percentile per-packet one-way delay: 52.144 ms
Loss rate: 1.83%
-- Flow 1:
Average throughput: 55.53 Mbit/s
95th percentile per-packet one-way delay: 29.866 ms
Loss rate: 0.09%
-- Flow 2:
Average throughput: 45.30 Mbit/s
95th percentile per-packet one-way delay: 62.925 ms
Loss rate: 4.52%
-- Flow 3:
Average throughput: 30.91 Mbit/s
95th percentile per-packet one-way delay: 51.101 ms
Loss rate: 2.97%

Run 2: Report of FillP — Data Link



Run 3: Statistics of FillP

Start at: 2019-11-24 16:53:59

End at: 2019-11-24 16:54:29

Local clock offset: -0.482 ms

Remote clock offset: 0.187 ms

Below is generated by plot.py at 2019-11-24 18:09:47

Datalink statistics

-- Total of 3 flows:

Average throughput: 95.72 Mbit/s

95th percentile per-packet one-way delay: 51.789 ms

Loss rate: 1.17%

-- Flow 1:

Average throughput: 55.37 Mbit/s

95th percentile per-packet one-way delay: 30.710 ms

Loss rate: 0.12%

-- Flow 2:

Average throughput: 53.32 Mbit/s

95th percentile per-packet one-way delay: 59.596 ms

Loss rate: 2.91%

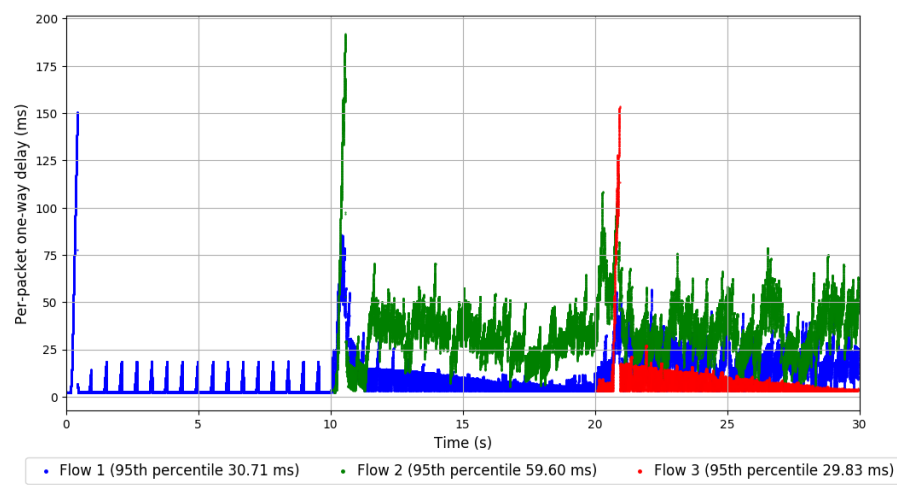
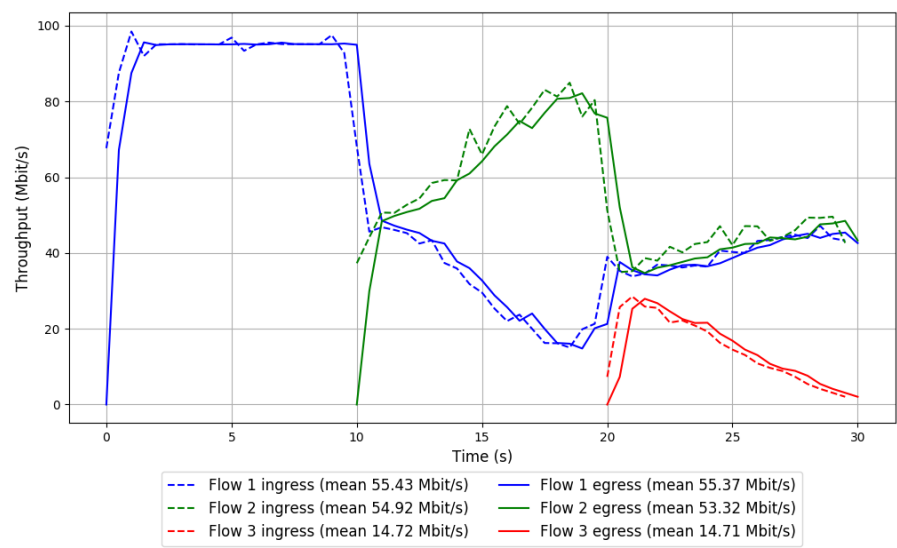
-- Flow 3:

Average throughput: 14.71 Mbit/s

95th percentile per-packet one-way delay: 29.827 ms

Loss rate: 0.02%

Run 3: Report of FillP — Data Link



Run 4: Statistics of FillP

Start at: 2019-11-24 17:21:23

End at: 2019-11-24 17:21:53

Local clock offset: -0.254 ms

Remote clock offset: 0.476 ms

Below is generated by plot.py at 2019-11-24 18:09:47

Datalink statistics

-- Total of 3 flows:

Average throughput: 92.42 Mbit/s

95th percentile per-packet one-way delay: 44.193 ms

Loss rate: 0.59%

-- Flow 1:

Average throughput: 63.64 Mbit/s

95th percentile per-packet one-way delay: 33.446 ms

Loss rate: 0.19%

-- Flow 2:

Average throughput: 27.09 Mbit/s

95th percentile per-packet one-way delay: 28.980 ms

Loss rate: 0.20%

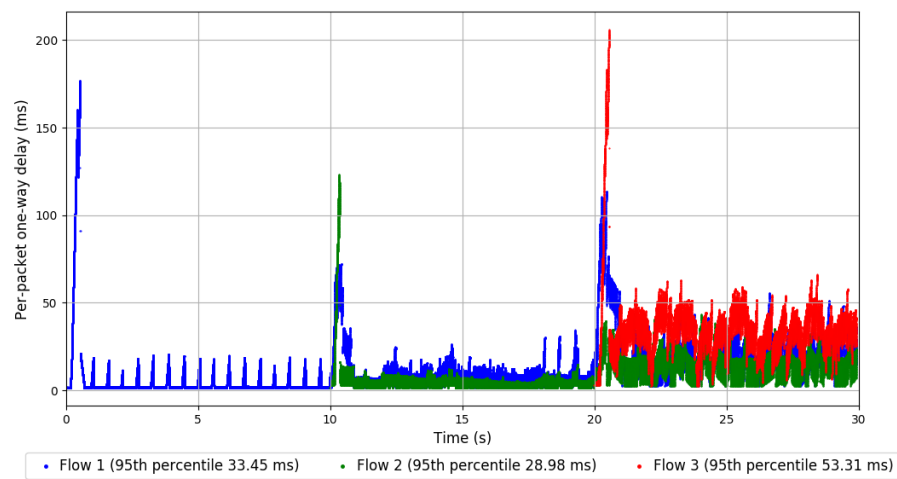
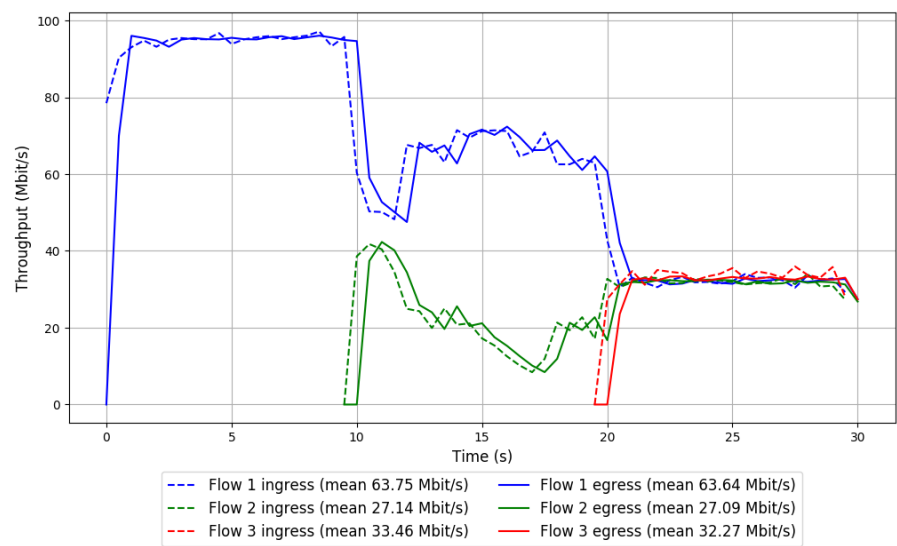
-- Flow 3:

Average throughput: 32.27 Mbit/s

95th percentile per-packet one-way delay: 53.309 ms

Loss rate: 3.51%

Run 4: Report of FillP — Data Link



Run 5: Statistics of FillP

Start at: 2019-11-24 17:48:46

End at: 2019-11-24 17:49:16

Local clock offset: 0.333 ms

Remote clock offset: 0.564 ms

Below is generated by plot.py at 2019-11-24 18:10:39

Datalink statistics

-- Total of 3 flows:

Average throughput: 95.96 Mbit/s

95th percentile per-packet one-way delay: 51.753 ms

Loss rate: 1.51%

-- Flow 1:

Average throughput: 54.81 Mbit/s

95th percentile per-packet one-way delay: 31.294 ms

Loss rate: 0.09%

-- Flow 2:

Average throughput: 50.90 Mbit/s

95th percentile per-packet one-way delay: 59.332 ms

Loss rate: 3.98%

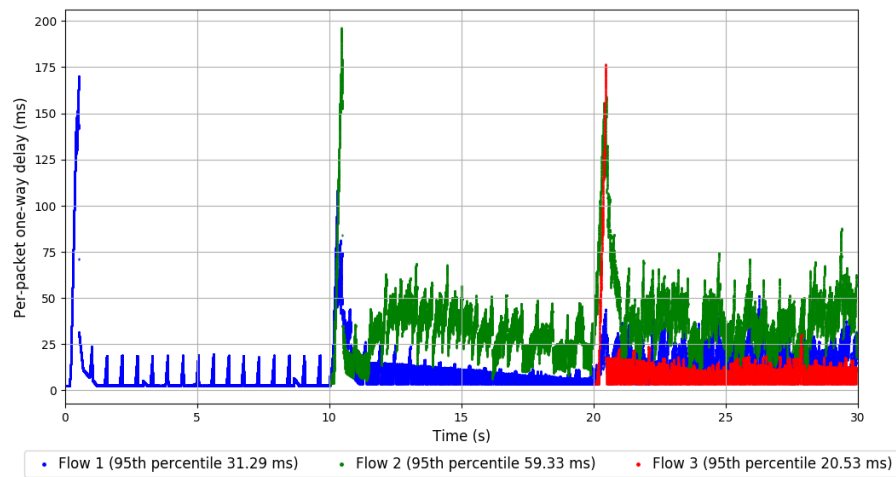
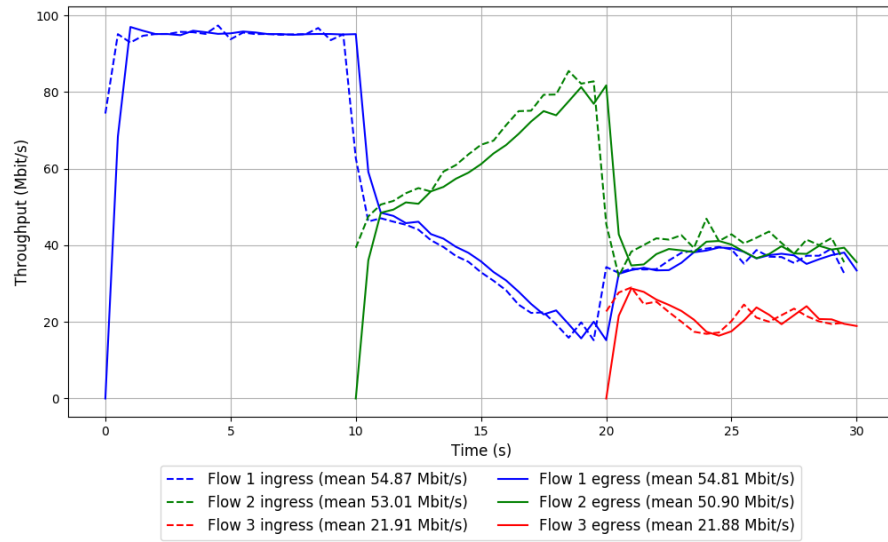
-- Flow 3:

Average throughput: 21.88 Mbit/s

95th percentile per-packet one-way delay: 20.526 ms

Loss rate: 0.25%

Run 5: Report of FillP — Data Link

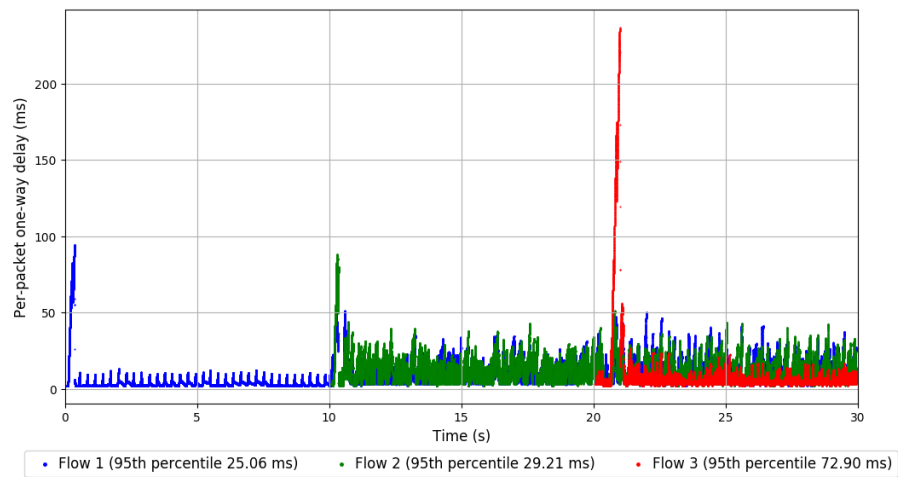
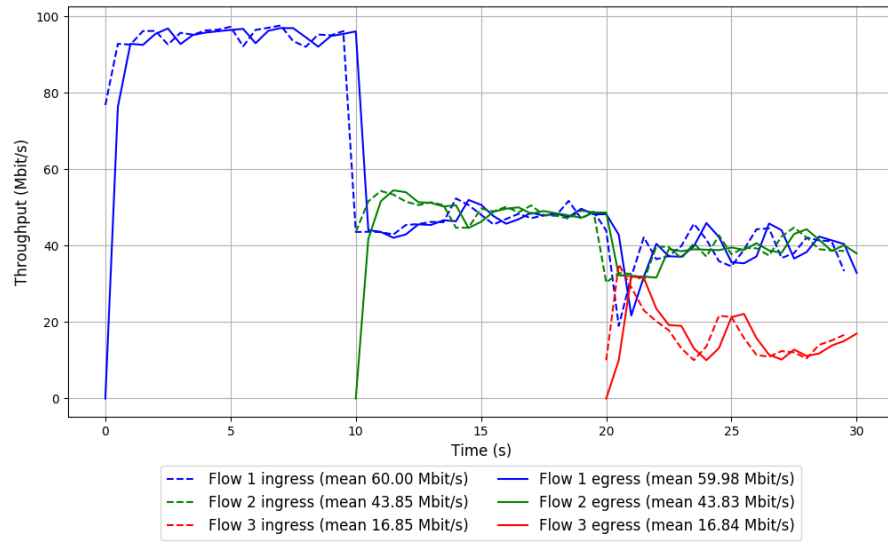


Run 1: Statistics of FillP-Sheep

Start at: 2019-11-24 15:56:48
End at: 2019-11-24 15:57:18
Local clock offset: 0.229 ms
Remote clock offset: -0.371 ms

Below is generated by plot.py at 2019-11-24 18:10:39
Datalink statistics
-- Total of 3 flows:
Average throughput: 94.74 Mbit/s
95th percentile per-packet one-way delay: 27.388 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 59.98 Mbit/s
95th percentile per-packet one-way delay: 25.056 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 43.83 Mbit/s
95th percentile per-packet one-way delay: 29.210 ms
Loss rate: 0.06%
-- Flow 3:
Average throughput: 16.84 Mbit/s
95th percentile per-packet one-way delay: 72.902 ms
Loss rate: 0.05%

Run 1: Report of FillP-Sheep — Data Link

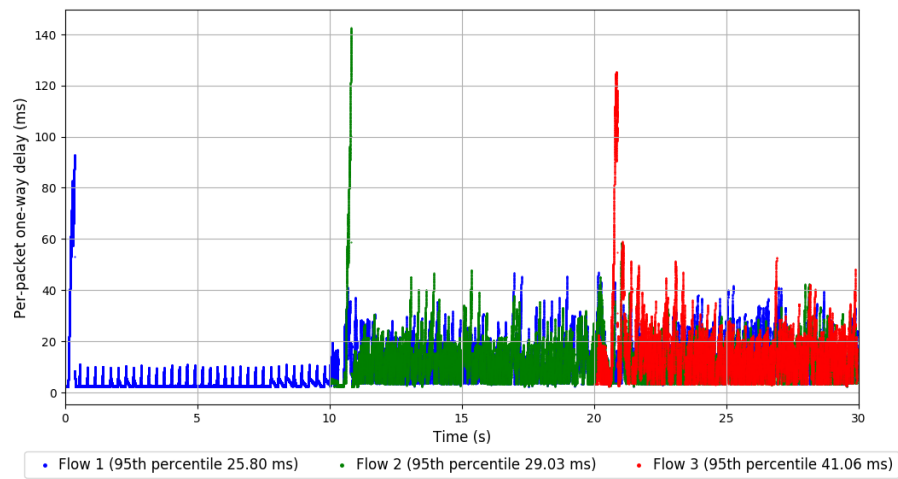
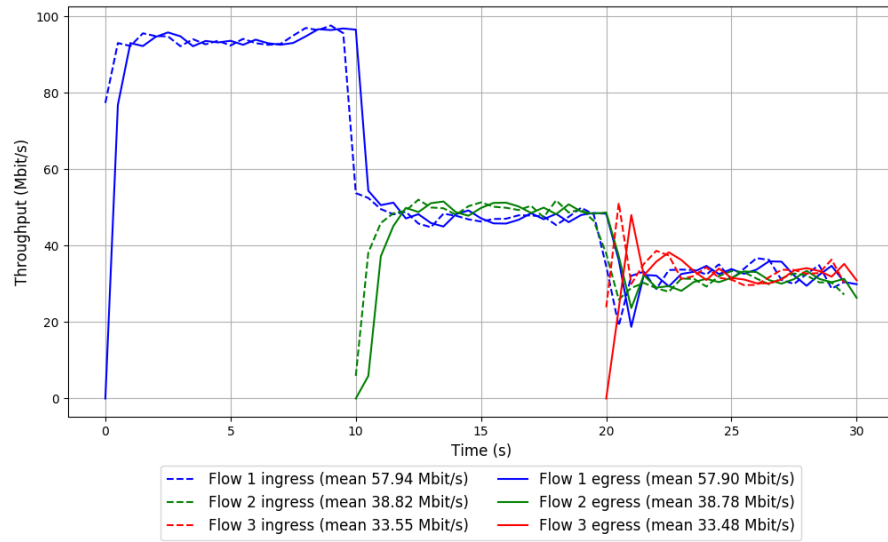


Run 2: Statistics of FillP-Sheep

Start at: 2019-11-24 16:24:14
End at: 2019-11-24 16:24:44
Local clock offset: -0.637 ms
Remote clock offset: -0.195 ms

Below is generated by plot.py at 2019-11-24 18:10:39
Datalink statistics
-- Total of 3 flows:
Average throughput: 94.83 Mbit/s
95th percentile per-packet one-way delay: 28.258 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 57.90 Mbit/s
95th percentile per-packet one-way delay: 25.798 ms
Loss rate: 0.02%
-- Flow 2:
Average throughput: 38.78 Mbit/s
95th percentile per-packet one-way delay: 29.030 ms
Loss rate: 0.09%
-- Flow 3:
Average throughput: 33.48 Mbit/s
95th percentile per-packet one-way delay: 41.056 ms
Loss rate: 0.24%

Run 2: Report of FillP-Sheep — Data Link



Run 3: Statistics of FillP-Sheep

Start at: 2019-11-24 16:51:41

End at: 2019-11-24 16:52:11

Local clock offset: -1.342 ms

Remote clock offset: 0.169 ms

Below is generated by plot.py at 2019-11-24 18:10:39

Datalink statistics

-- Total of 3 flows:

Average throughput: 94.69 Mbit/s

95th percentile per-packet one-way delay: 26.840 ms

Loss rate: 0.08%

-- Flow 1:

Average throughput: 61.15 Mbit/s

95th percentile per-packet one-way delay: 26.836 ms

Loss rate: 0.05%

-- Flow 2:

Average throughput: 32.01 Mbit/s

95th percentile per-packet one-way delay: 20.647 ms

Loss rate: 0.09%

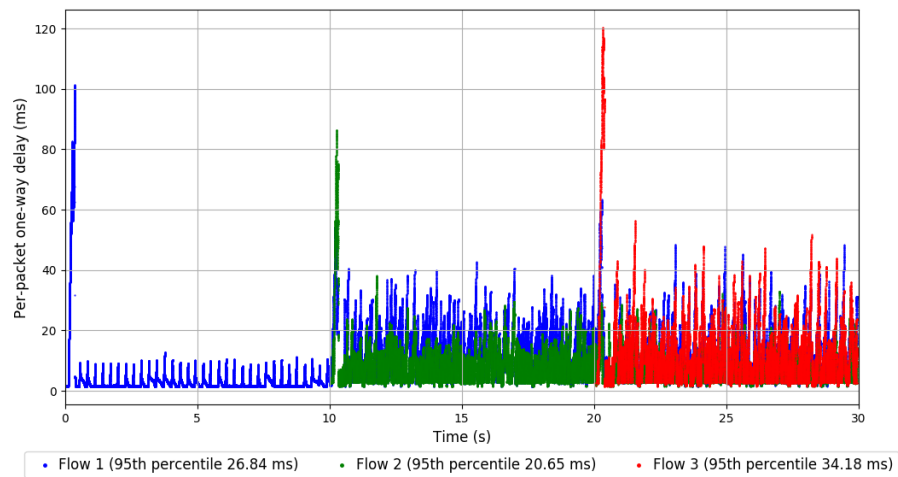
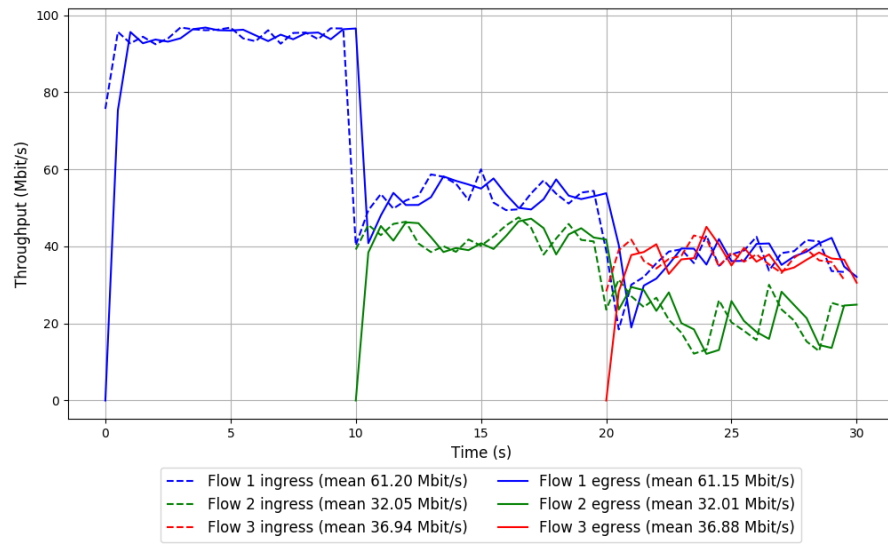
-- Flow 3:

Average throughput: 36.88 Mbit/s

95th percentile per-packet one-way delay: 34.181 ms

Loss rate: 0.20%

Run 3: Report of FillP-Sheep — Data Link



Run 4: Statistics of FillP-Sheep

Start at: 2019-11-24 17:19:05

End at: 2019-11-24 17:19:35

Local clock offset: -0.347 ms

Remote clock offset: 0.356 ms

Below is generated by plot.py at 2019-11-24 18:10:50

Datalink statistics

-- Total of 3 flows:

Average throughput: 94.66 Mbit/s

95th percentile per-packet one-way delay: 27.567 ms

Loss rate: 0.05%

-- Flow 1:

Average throughput: 60.13 Mbit/s

95th percentile per-packet one-way delay: 25.807 ms

Loss rate: 0.05%

-- Flow 2:

Average throughput: 40.76 Mbit/s

95th percentile per-packet one-way delay: 29.154 ms

Loss rate: 0.07%

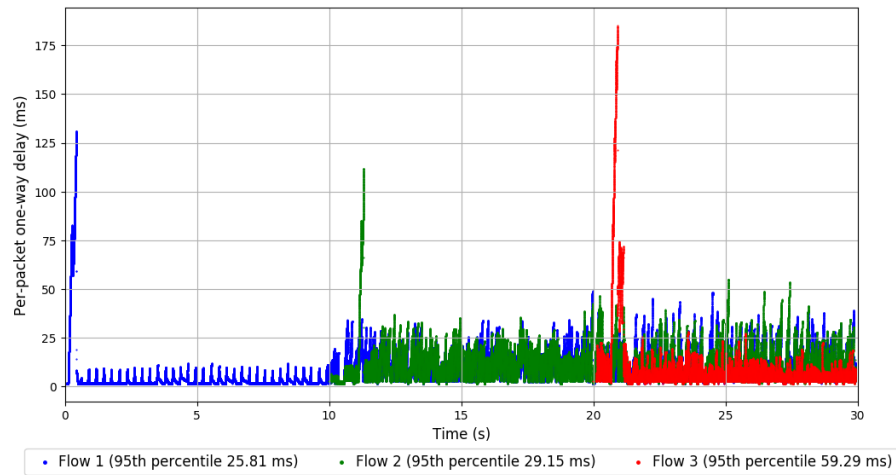
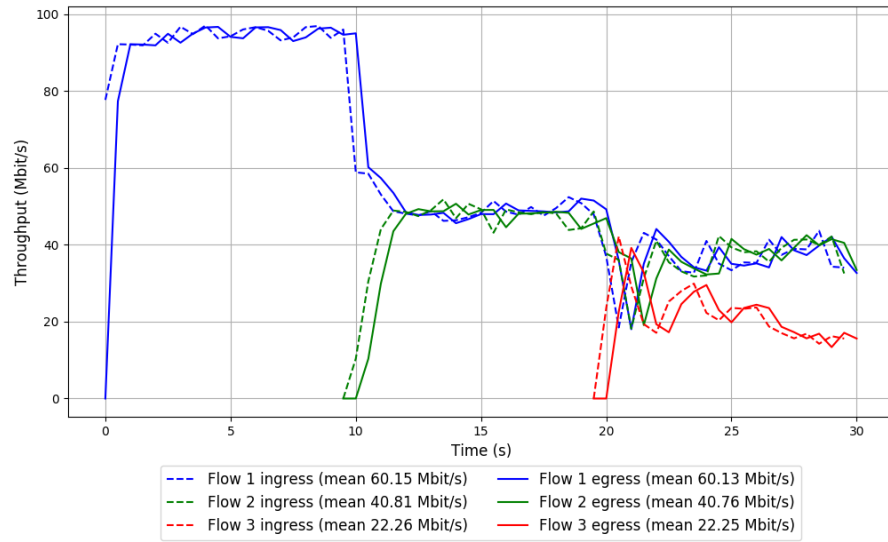
-- Flow 3:

Average throughput: 22.25 Mbit/s

95th percentile per-packet one-way delay: 59.294 ms

Loss rate: 0.04%

Run 4: Report of FillP-Sheep — Data Link



Run 5: Statistics of FillP-Sheep

Start at: 2019-11-24 17:46:29

End at: 2019-11-24 17:46:59

Local clock offset: -0.313 ms

Remote clock offset: 0.585 ms

Below is generated by plot.py at 2019-11-24 18:11:03

Datalink statistics

-- Total of 3 flows:

Average throughput: 92.59 Mbit/s

95th percentile per-packet one-way delay: 24.989 ms

Loss rate: 0.06%

-- Flow 1:

Average throughput: 50.73 Mbit/s

95th percentile per-packet one-way delay: 15.428 ms

Loss rate: 0.01%

-- Flow 2:

Average throughput: 53.27 Mbit/s

95th percentile per-packet one-way delay: 28.102 ms

Loss rate: 0.14%

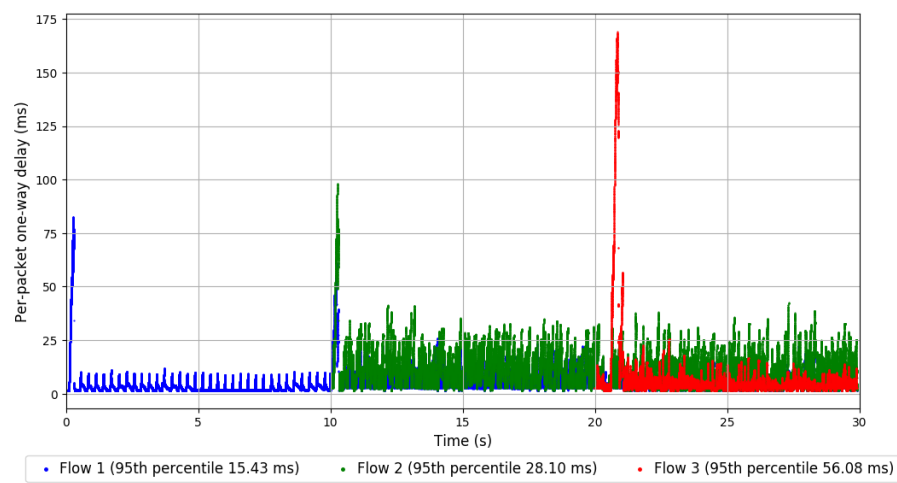
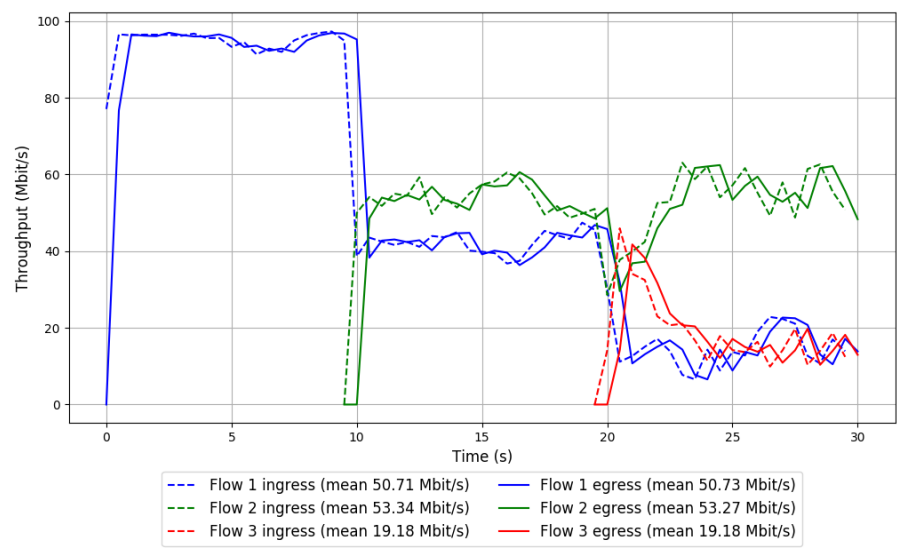
-- Flow 3:

Average throughput: 19.18 Mbit/s

95th percentile per-packet one-way delay: 56.079 ms

Loss rate: 0.02%

Run 5: Report of FillP-Sheep — Data Link

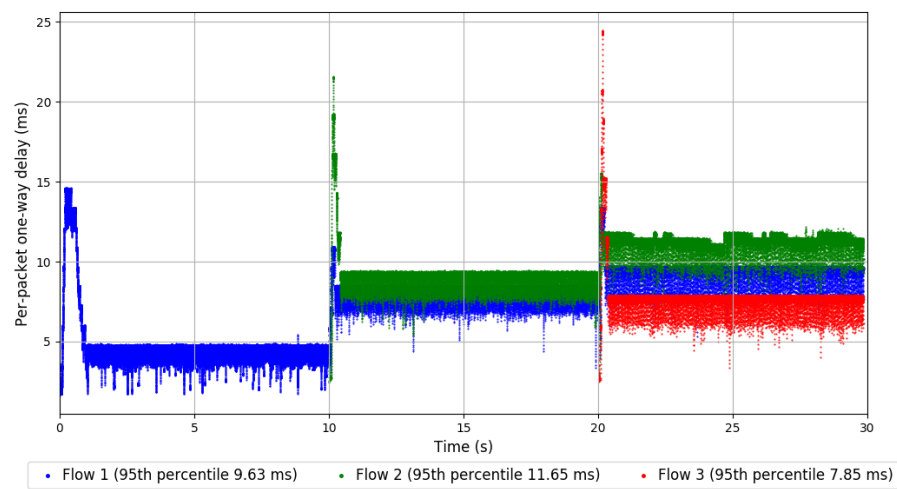
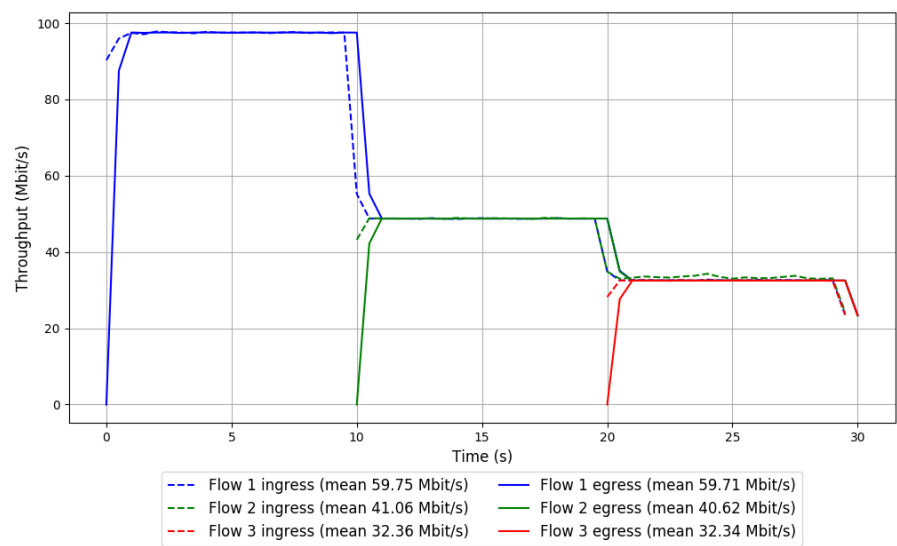


Run 1: Statistics of Indigo

Start at: 2019-11-24 16:05:48
End at: 2019-11-24 16:06:18
Local clock offset: -0.492 ms
Remote clock offset: -0.401 ms

Below is generated by plot.py at 2019-11-24 18:11:03
Datalink statistics
-- Total of 3 flows:
Average throughput: 97.36 Mbit/s
95th percentile per-packet one-way delay: 11.395 ms
Loss rate: 0.36%
-- Flow 1:
Average throughput: 59.71 Mbit/s
95th percentile per-packet one-way delay: 9.631 ms
Loss rate: 0.07%
-- Flow 2:
Average throughput: 40.62 Mbit/s
95th percentile per-packet one-way delay: 11.649 ms
Loss rate: 1.10%
-- Flow 3:
Average throughput: 32.34 Mbit/s
95th percentile per-packet one-way delay: 7.853 ms
Loss rate: 0.11%

Run 1: Report of Indigo — Data Link



Run 2: Statistics of Indigo

Start at: 2019-11-24 16:33:16

End at: 2019-11-24 16:33:46

Local clock offset: -1.574 ms

Remote clock offset: -0.05 ms

Below is generated by plot.py at 2019-11-24 18:11:03

Datalink statistics

-- Total of 3 flows:

Average throughput: 97.34 Mbit/s

95th percentile per-packet one-way delay: 11.161 ms

Loss rate: 0.66%

-- Flow 1:

Average throughput: 59.75 Mbit/s

95th percentile per-packet one-way delay: 9.630 ms

Loss rate: 0.07%

-- Flow 2:

Average throughput: 40.59 Mbit/s

95th percentile per-packet one-way delay: 11.435 ms

Loss rate: 2.14%

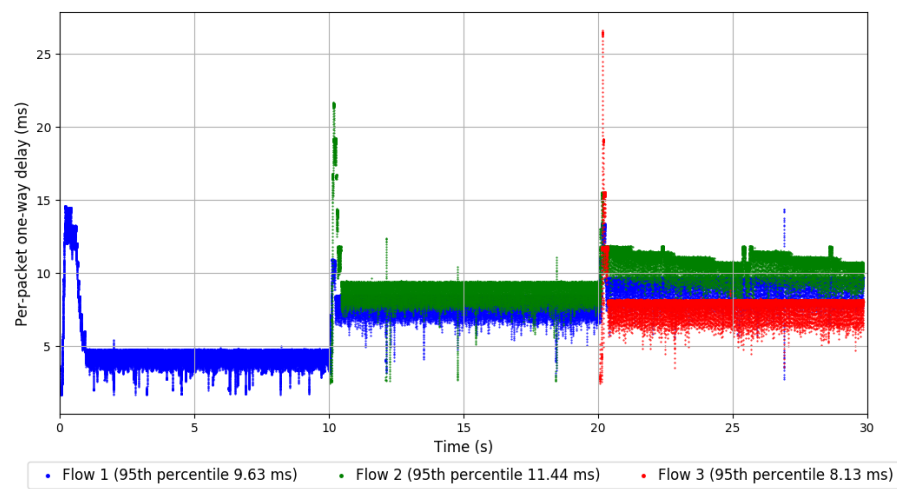
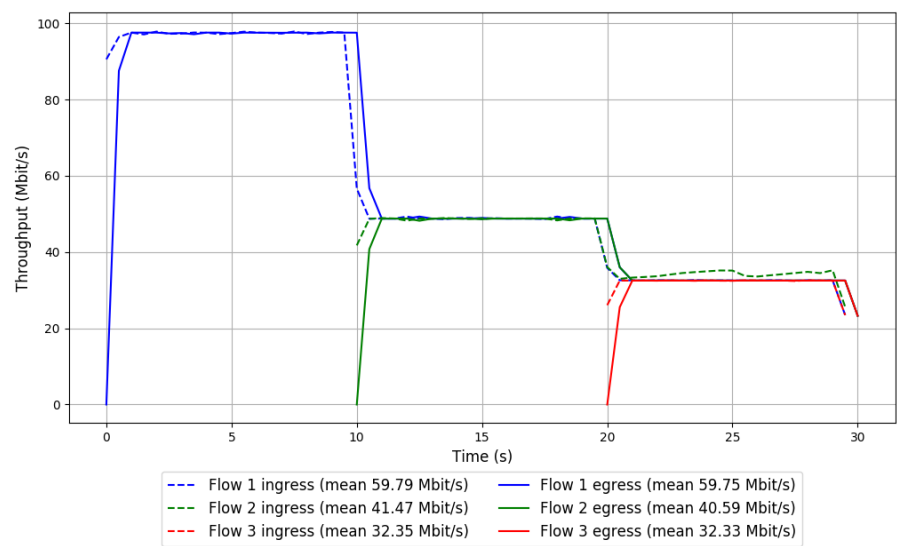
-- Flow 3:

Average throughput: 32.33 Mbit/s

95th percentile per-packet one-way delay: 8.128 ms

Loss rate: 0.11%

Run 2: Report of Indigo — Data Link



Run 3: Statistics of Indigo

Start at: 2019-11-24 17:00:42

End at: 2019-11-24 17:01:12

Local clock offset: -1.202 ms

Remote clock offset: 0.237 ms

Below is generated by plot.py at 2019-11-24 18:11:45

Datalink statistics

-- Total of 3 flows:

Average throughput: 97.36 Mbit/s

95th percentile per-packet one-way delay: 9.597 ms

Loss rate: 0.07%

-- Flow 1:

Average throughput: 59.70 Mbit/s

95th percentile per-packet one-way delay: 9.576 ms

Loss rate: 0.05%

-- Flow 2:

Average throughput: 40.66 Mbit/s

95th percentile per-packet one-way delay: 10.055 ms

Loss rate: 0.12%

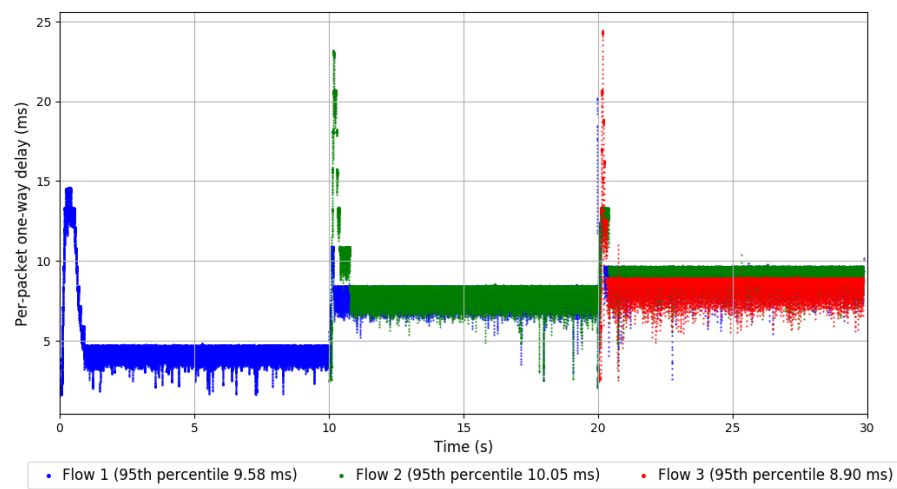
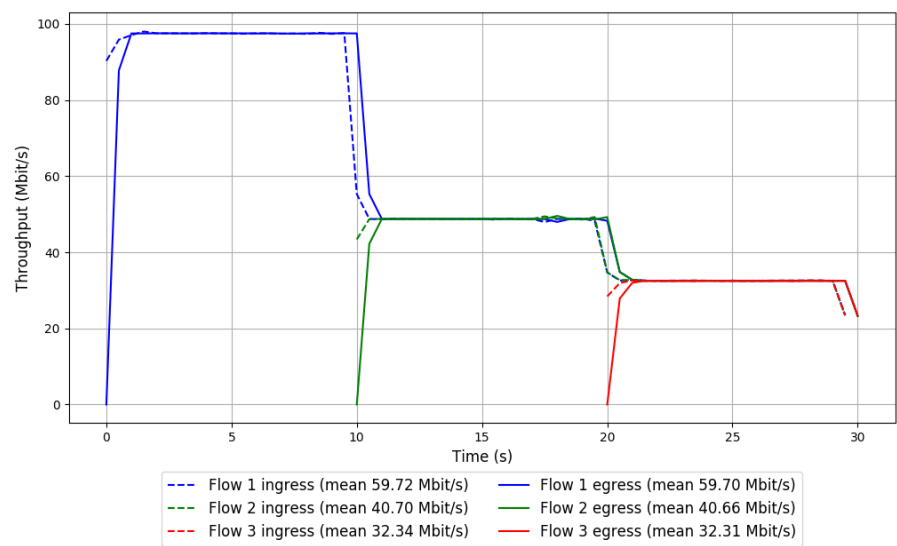
-- Flow 3:

Average throughput: 32.31 Mbit/s

95th percentile per-packet one-way delay: 8.896 ms

Loss rate: 0.11%

Run 3: Report of Indigo — Data Link



Run 4: Statistics of Indigo

Start at: 2019-11-24 17:28:06

End at: 2019-11-24 17:28:36

Local clock offset: -0.021 ms

Remote clock offset: 0.417 ms

Below is generated by plot.py at 2019-11-24 18:11:46

Datalink statistics

-- Total of 3 flows:

Average throughput: 97.30 Mbit/s

95th percentile per-packet one-way delay: 11.130 ms

Loss rate: 0.55%

-- Flow 1:

Average throughput: 59.68 Mbit/s

95th percentile per-packet one-way delay: 9.106 ms

Loss rate: 0.02%

-- Flow 2:

Average throughput: 40.62 Mbit/s

95th percentile per-packet one-way delay: 11.491 ms

Loss rate: 1.85%

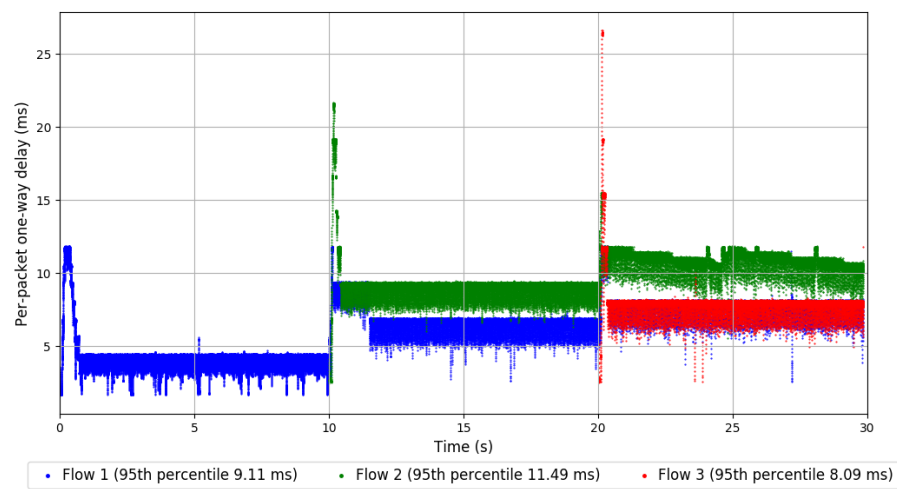
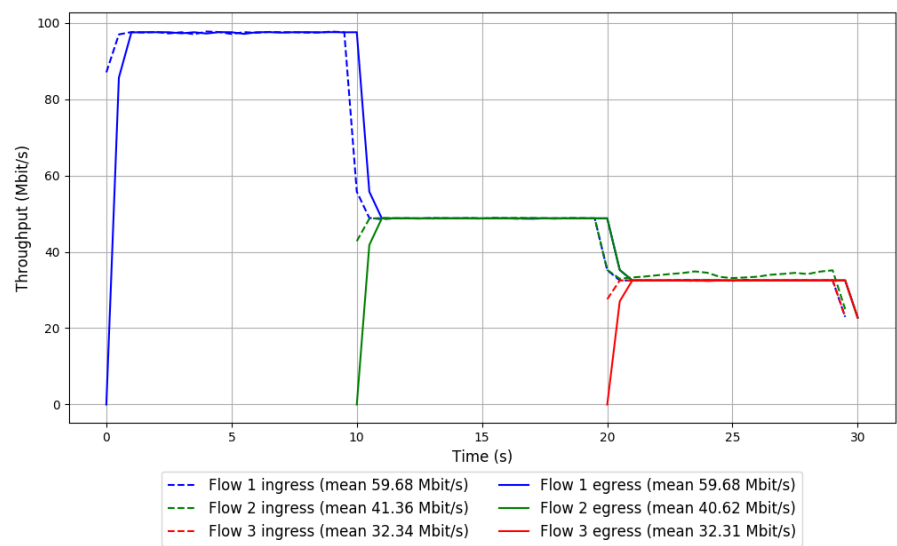
-- Flow 3:

Average throughput: 32.31 Mbit/s

95th percentile per-packet one-way delay: 8.086 ms

Loss rate: 0.11%

Run 4: Report of Indigo — Data Link



Run 5: Statistics of Indigo

Start at: 2019-11-24 17:55:29

End at: 2019-11-24 17:55:59

Local clock offset: -0.578 ms

Remote clock offset: 0.56 ms

Below is generated by plot.py at 2019-11-24 18:11:46

Datalink statistics

-- Total of 3 flows:

Average throughput: 97.09 Mbit/s

95th percentile per-packet one-way delay: 10.817 ms

Loss rate: 0.25%

-- Flow 1:

Average throughput: 59.66 Mbit/s

95th percentile per-packet one-way delay: 9.662 ms

Loss rate: 0.07%

-- Flow 2:

Average throughput: 40.51 Mbit/s

95th percentile per-packet one-way delay: 11.371 ms

Loss rate: 0.70%

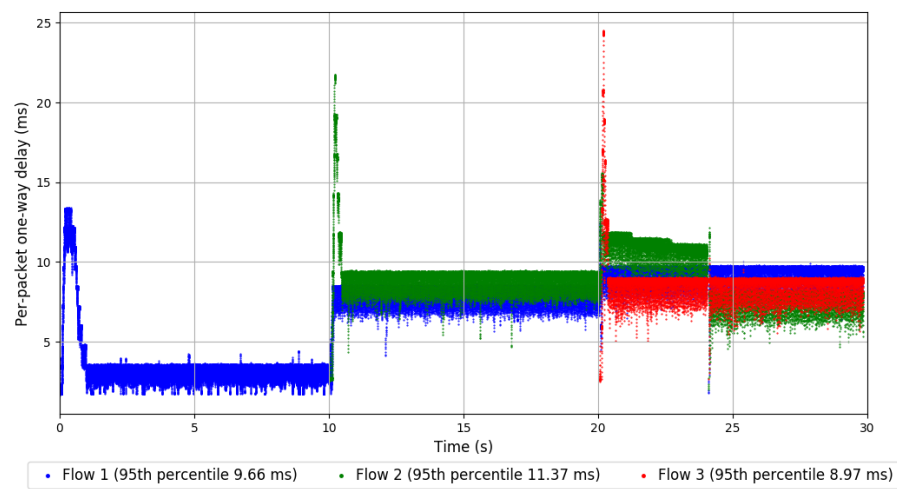
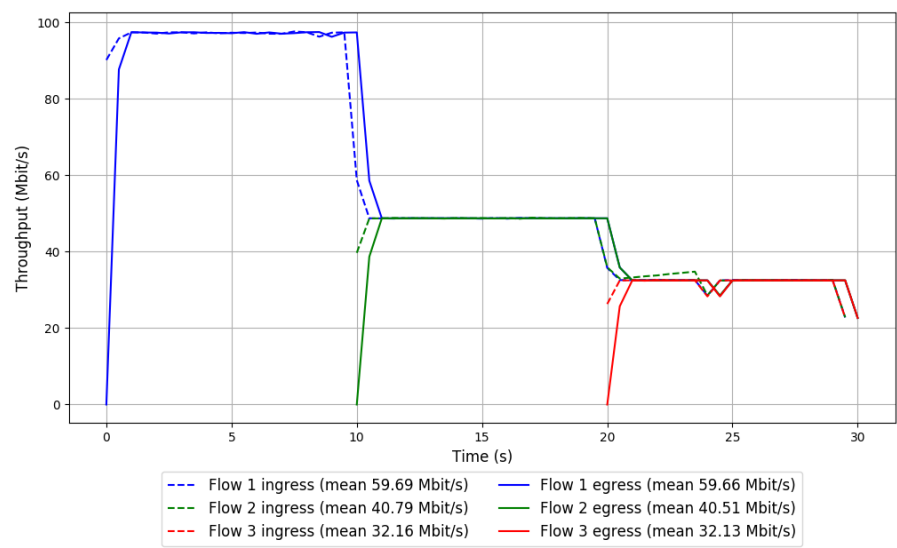
-- Flow 3:

Average throughput: 32.13 Mbit/s

95th percentile per-packet one-way delay: 8.972 ms

Loss rate: 0.11%

Run 5: Report of Indigo — Data Link

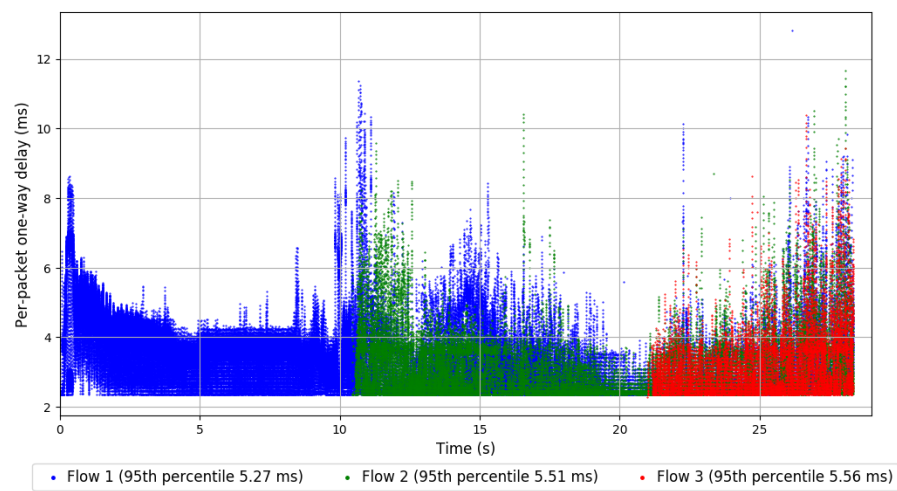
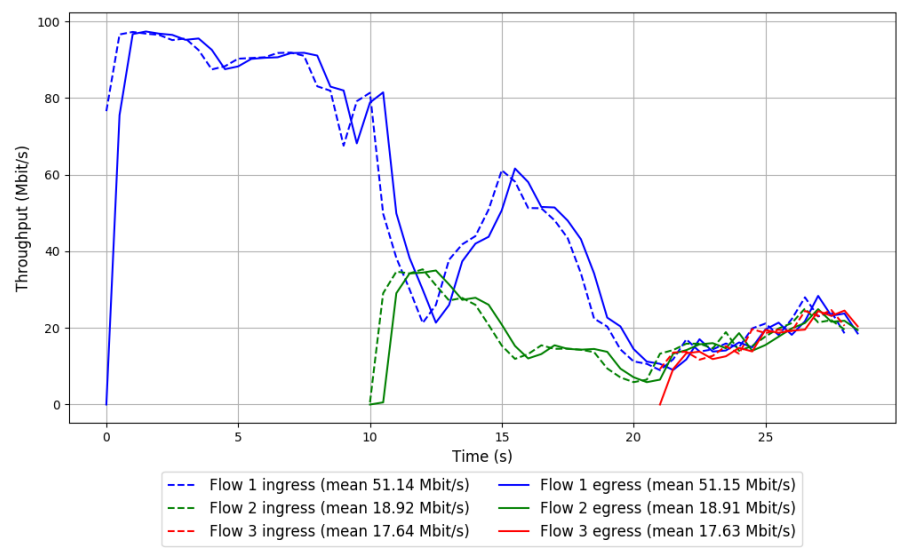


Run 1: Statistics of Indigo-MusesC3

Start at: 2019-11-24 15:48:47
End at: 2019-11-24 15:49:17
Local clock offset: 0.275 ms
Remote clock offset: -0.418 ms

Below is generated by plot.py at 2019-11-24 18:11:46
Datalink statistics
-- Total of 3 flows:
Average throughput: 67.65 Mbit/s
95th percentile per-packet one-way delay: 5.311 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 51.15 Mbit/s
95th percentile per-packet one-way delay: 5.266 ms
Loss rate: 0.02%
-- Flow 2:
Average throughput: 18.91 Mbit/s
95th percentile per-packet one-way delay: 5.508 ms
Loss rate: 0.04%
-- Flow 3:
Average throughput: 17.63 Mbit/s
95th percentile per-packet one-way delay: 5.557 ms
Loss rate: 0.11%

Run 1: Report of Indigo-MusesC3 — Data Link

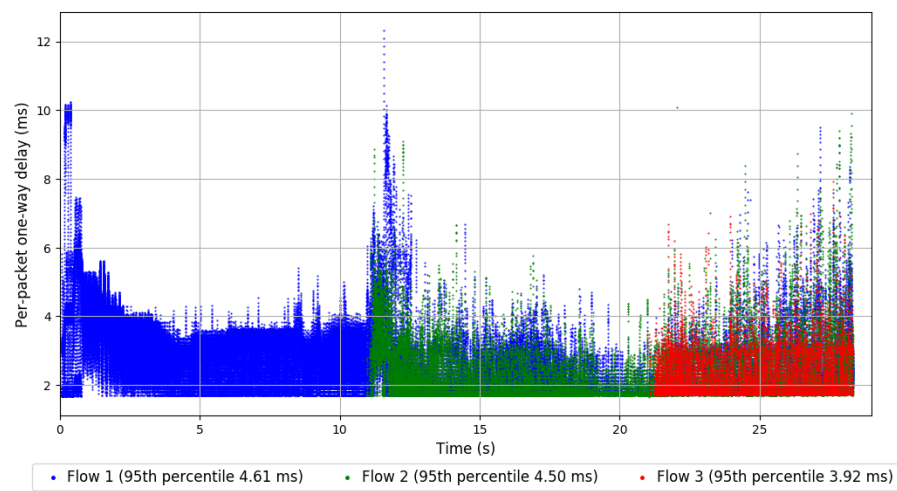
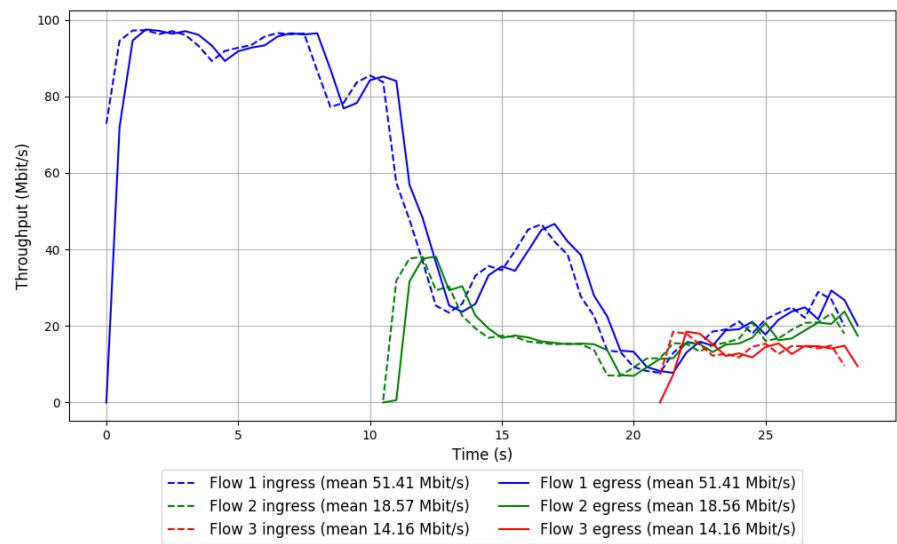


Run 2: Statistics of Indigo-MusesC3

Start at: 2019-11-24 16:16:11
End at: 2019-11-24 16:16:41
Local clock offset: -1.075 ms
Remote clock offset: -0.274 ms

Below is generated by plot.py at 2019-11-24 18:11:46
Datalink statistics
-- Total of 3 flows:
Average throughput: 66.42 Mbit/s
95th percentile per-packet one-way delay: 4.569 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 51.41 Mbit/s
95th percentile per-packet one-way delay: 4.611 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 18.56 Mbit/s
95th percentile per-packet one-way delay: 4.497 ms
Loss rate: 0.08%
-- Flow 3:
Average throughput: 14.16 Mbit/s
95th percentile per-packet one-way delay: 3.922 ms
Loss rate: 0.09%

Run 2: Report of Indigo-MusesC3 — Data Link



Run 3: Statistics of Indigo-MusesC3

Start at: 2019-11-24 16:43:37

End at: 2019-11-24 16:44:07

Local clock offset: -0.702 ms

Remote clock offset: 0.169 ms

Below is generated by plot.py at 2019-11-24 18:11:47

Datalink statistics

-- Total of 3 flows:

Average throughput: 74.69 Mbit/s

95th percentile per-packet one-way delay: 5.400 ms

Loss rate: 0.01%

-- Flow 1:

Average throughput: 55.13 Mbit/s

95th percentile per-packet one-way delay: 5.492 ms

Loss rate: 0.01%

-- Flow 2:

Average throughput: 24.31 Mbit/s

95th percentile per-packet one-way delay: 4.986 ms

Loss rate: 0.00%

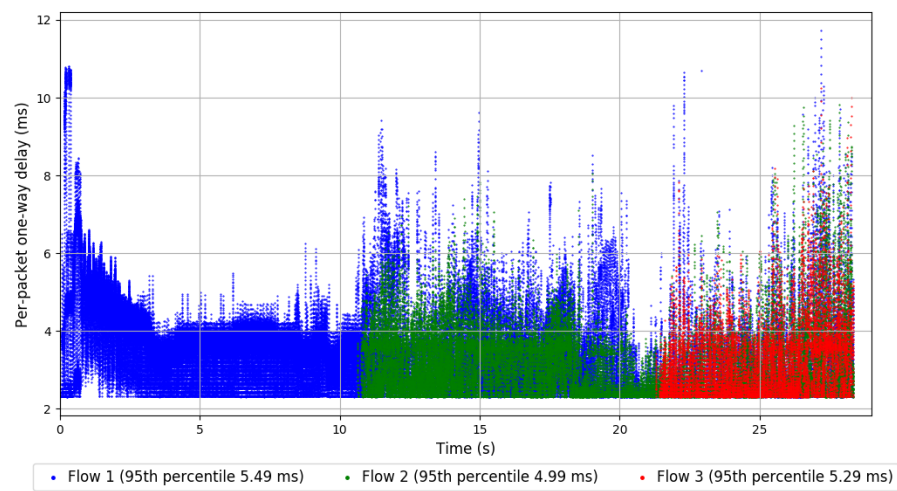
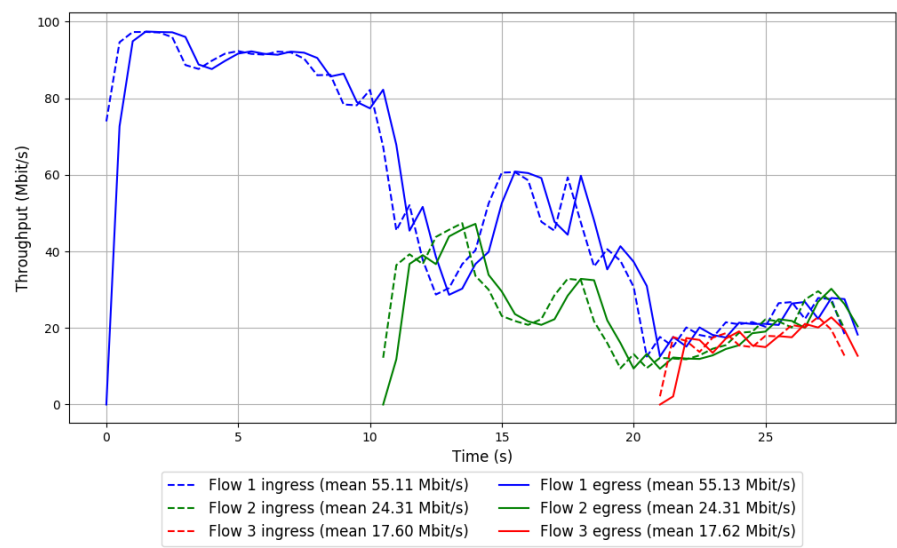
-- Flow 3:

Average throughput: 17.62 Mbit/s

95th percentile per-packet one-way delay: 5.289 ms

Loss rate: 0.08%

Run 3: Report of Indigo-MusesC3 — Data Link



Run 4: Statistics of Indigo-MusesC3

Start at: 2019-11-24 17:11:02

End at: 2019-11-24 17:11:32

Local clock offset: -0.98 ms

Remote clock offset: 0.382 ms

Below is generated by plot.py at 2019-11-24 18:11:47

Datalink statistics

-- Total of 3 flows:

Average throughput: 64.40 Mbit/s

95th percentile per-packet one-way delay: 3.335 ms

Loss rate: 0.01%

-- Flow 1:

Average throughput: 41.26 Mbit/s

95th percentile per-packet one-way delay: 3.216 ms

Loss rate: 0.01%

-- Flow 2:

Average throughput: 30.91 Mbit/s

95th percentile per-packet one-way delay: 3.456 ms

Loss rate: 0.00%

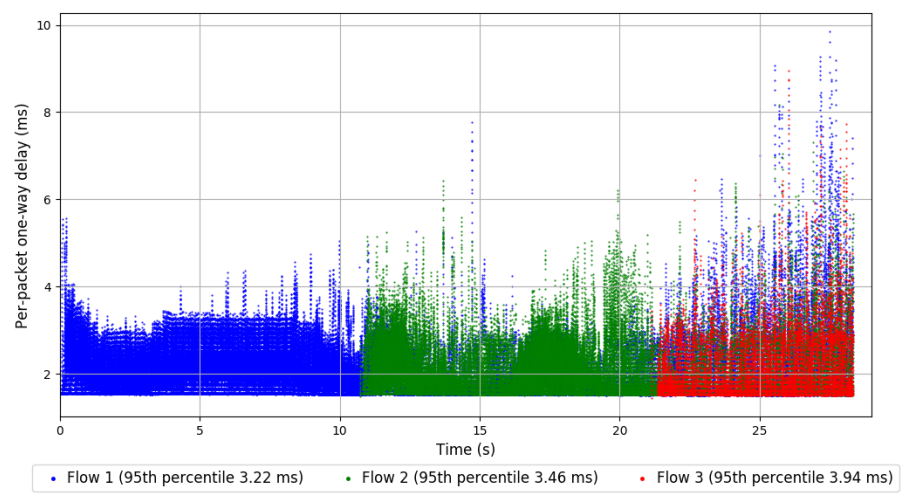
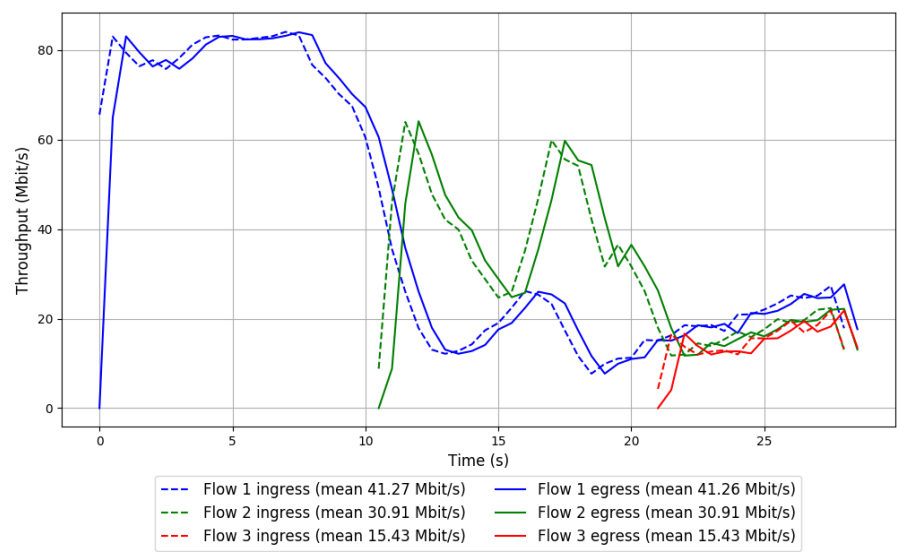
-- Flow 3:

Average throughput: 15.43 Mbit/s

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

Loss rate: 0.02%

Run 4: Report of Indigo-MusesC3 — Data Link



Run 5: Statistics of Indigo-MusesC3

Start at: 2019-11-24 17:38:26

End at: 2019-11-24 17:38:56

Local clock offset: 0.953 ms

Remote clock offset: 0.498 ms

Below is generated by plot.py at 2019-11-24 18:11:54

Datalink statistics

-- Total of 3 flows:

Average throughput: 69.55 Mbit/s

95th percentile per-packet one-way delay: 5.755 ms

Loss rate: 0.03%

-- Flow 1:

Average throughput: 53.14 Mbit/s

95th percentile per-packet one-way delay: 5.635 ms

Loss rate: 0.01%

-- Flow 2:

Average throughput: 18.96 Mbit/s

95th percentile per-packet one-way delay: 5.858 ms

Loss rate: 0.02%

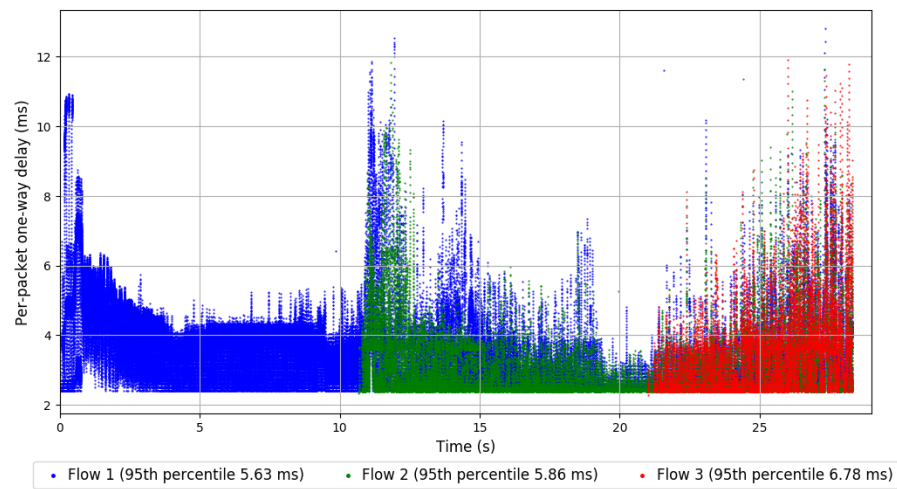
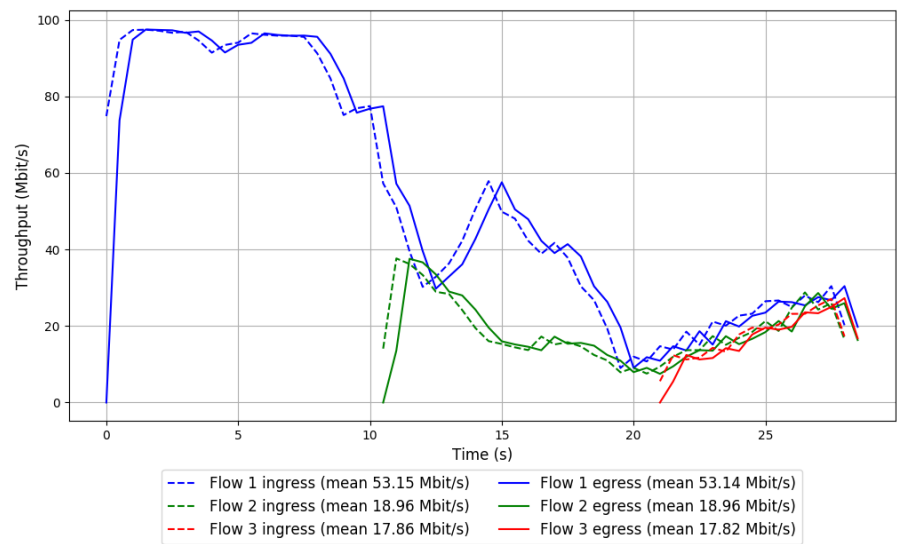
-- Flow 3:

Average throughput: 17.82 Mbit/s

95th percentile per-packet one-way delay: 6.780 ms

Loss rate: 0.31%

Run 5: Report of Indigo-MusesC3 — Data Link

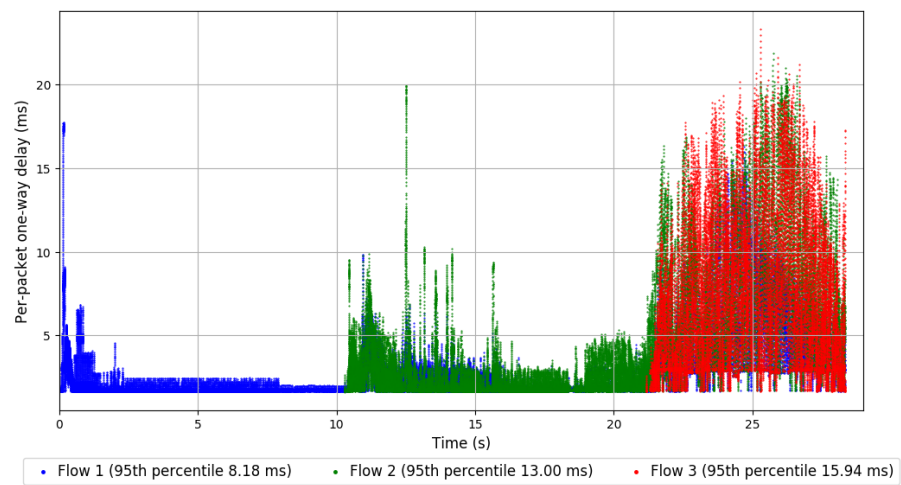
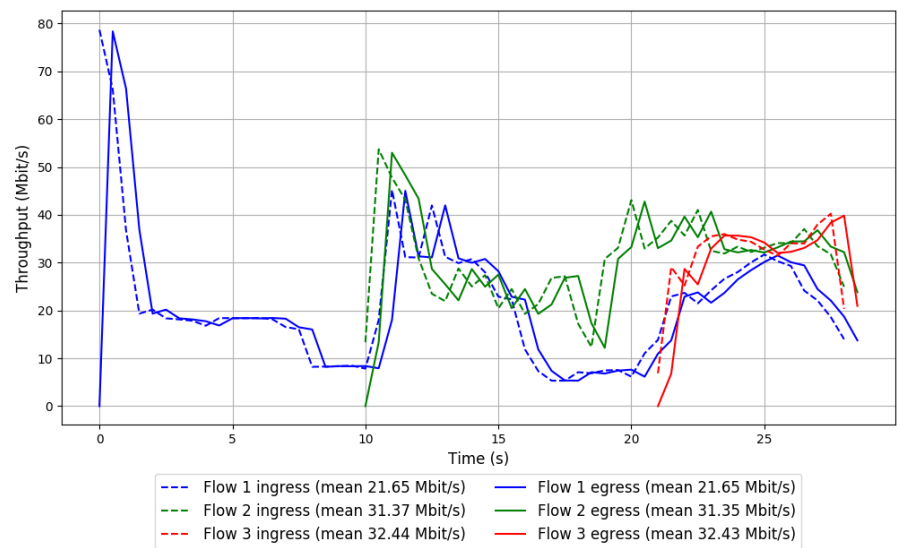


Run 1: Statistics of Indigo-MusesC5

Start at: 2019-11-24 16:08:09
End at: 2019-11-24 16:08:39
Local clock offset: -0.484 ms
Remote clock offset: -0.367 ms

Below is generated by plot.py at 2019-11-24 18:12:01
Datalink statistics
-- Total of 3 flows:
Average throughput: 49.85 Mbit/s
95th percentile per-packet one-way delay: 12.770 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 21.65 Mbit/s
95th percentile per-packet one-way delay: 8.182 ms
Loss rate: 0.02%
-- Flow 2:
Average throughput: 31.35 Mbit/s
95th percentile per-packet one-way delay: 13.000 ms
Loss rate: 0.11%
-- Flow 3:
Average throughput: 32.43 Mbit/s
95th percentile per-packet one-way delay: 15.935 ms
Loss rate: 0.02%

Run 1: Report of Indigo-MusesC5 — Data Link



Run 2: Statistics of Indigo-MusesC5

Start at: 2019-11-24 16:35:37

End at: 2019-11-24 16:36:07

Local clock offset: -0.846 ms

Remote clock offset: 0.088 ms

Below is generated by plot.py at 2019-11-24 18:12:13

Datalink statistics

-- Total of 3 flows:

Average throughput: 55.53 Mbit/s

95th percentile per-packet one-way delay: 15.218 ms

Loss rate: 0.05%

-- Flow 1:

Average throughput: 27.96 Mbit/s

95th percentile per-packet one-way delay: 12.464 ms

Loss rate: 0.04%

-- Flow 2:

Average throughput: 31.20 Mbit/s

95th percentile per-packet one-way delay: 15.703 ms

Loss rate: 0.04%

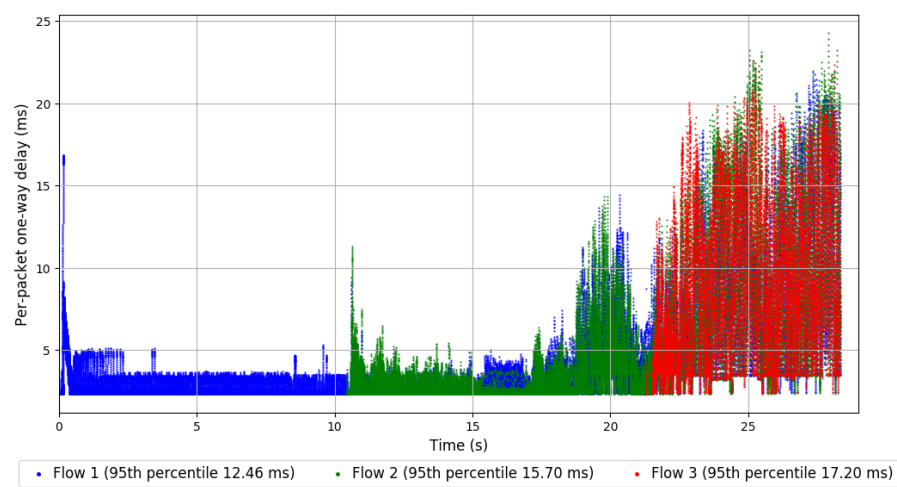
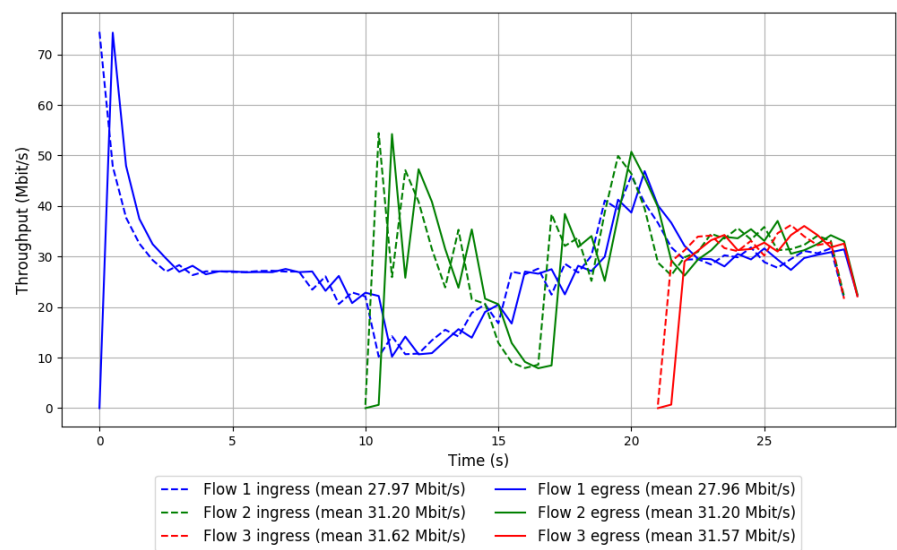
-- Flow 3:

Average throughput: 31.57 Mbit/s

95th percentile per-packet one-way delay: 17.203 ms

Loss rate: 0.15%

Run 2: Report of Indigo-MusesC5 — Data Link



Run 3: Statistics of Indigo-MusesC5

Start at: 2019-11-24 17:03:02

End at: 2019-11-24 17:03:32

Local clock offset: -1.184 ms

Remote clock offset: 0.285 ms

Below is generated by plot.py at 2019-11-24 18:12:16

Datalink statistics

-- Total of 3 flows:

Average throughput: 51.34 Mbit/s

95th percentile per-packet one-way delay: 9.773 ms

Loss rate: 0.04%

-- Flow 1:

Average throughput: 25.20 Mbit/s

95th percentile per-packet one-way delay: 7.185 ms

Loss rate: 0.01%

-- Flow 2:

Average throughput: 27.80 Mbit/s

95th percentile per-packet one-way delay: 9.723 ms

Loss rate: 0.04%

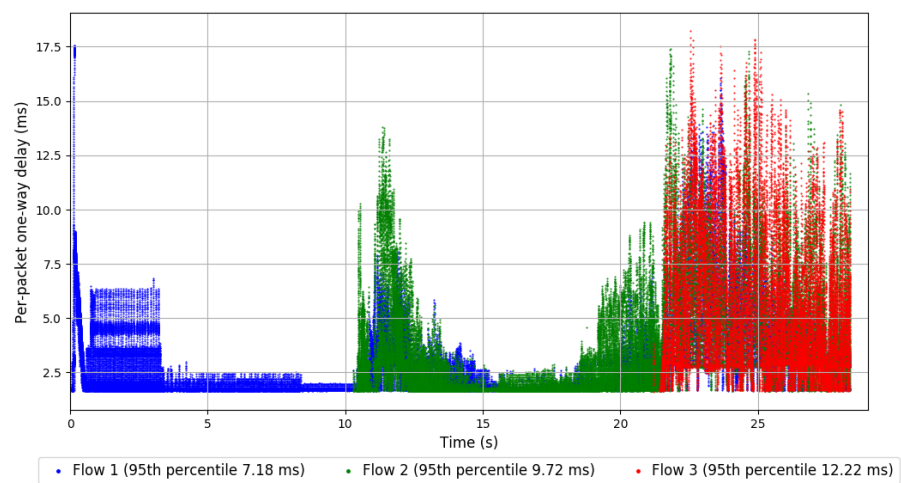
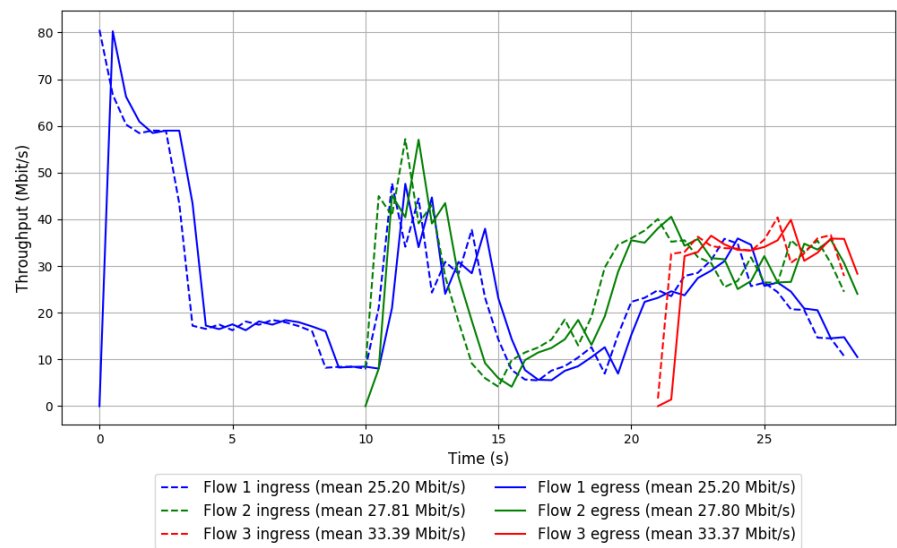
-- Flow 3:

Average throughput: 33.37 Mbit/s

95th percentile per-packet one-way delay: 12.220 ms

Loss rate: 0.10%

Run 3: Report of Indigo-MusesC5 — Data Link



Run 4: Statistics of Indigo-MusesC5

Start at: 2019-11-24 17:30:27

End at: 2019-11-24 17:30:57

Local clock offset: 0.713 ms

Remote clock offset: 0.503 ms

Below is generated by plot.py at 2019-11-24 18:12:21

Datalink statistics

-- Total of 3 flows:

Average throughput: 51.44 Mbit/s

95th percentile per-packet one-way delay: 13.915 ms

Loss rate: 0.11%

-- Flow 1:

Average throughput: 26.83 Mbit/s

95th percentile per-packet one-way delay: 11.541 ms

Loss rate: 0.05%

-- Flow 2:

Average throughput: 25.56 Mbit/s

95th percentile per-packet one-way delay: 13.140 ms

Loss rate: 0.11%

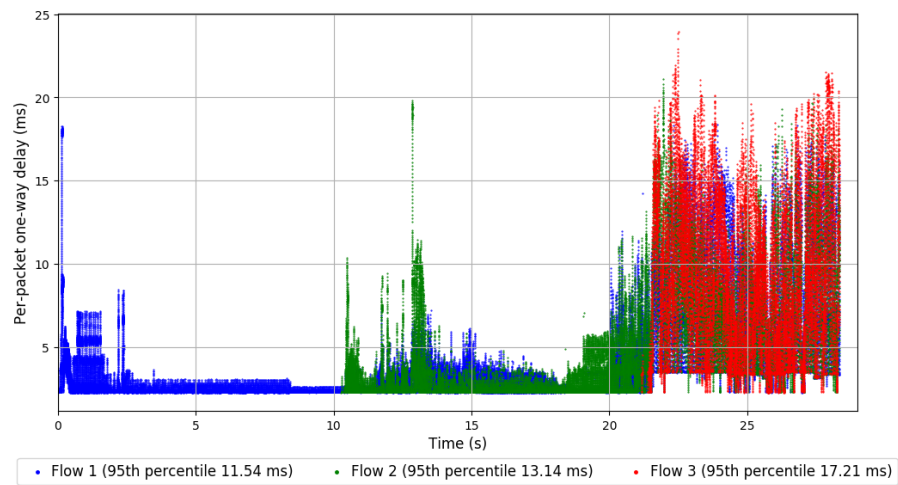
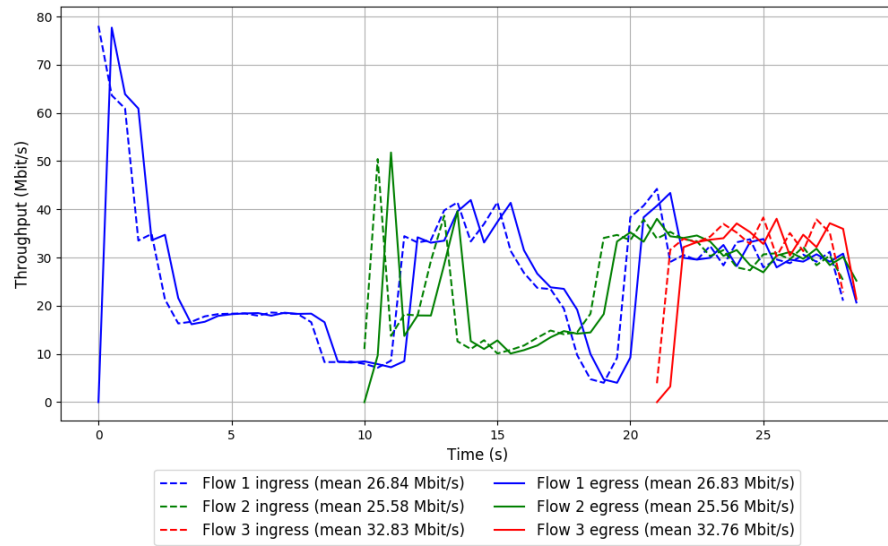
-- Flow 3:

Average throughput: 32.76 Mbit/s

95th percentile per-packet one-way delay: 17.209 ms

Loss rate: 0.29%

Run 4: Report of Indigo-MusesC5 — Data Link



Run 5: Statistics of Indigo-MusesC5

Start at: 2019-11-24 17:57:50

End at: 2019-11-24 17:58:20

Local clock offset: -0.674 ms

Remote clock offset: 0.647 ms

Below is generated by plot.py at 2019-11-24 18:12:21

Datalink statistics

-- Total of 3 flows:

Average throughput: 49.74 Mbit/s

95th percentile per-packet one-way delay: 14.186 ms

Loss rate: 0.06%

-- Flow 1:

Average throughput: 25.92 Mbit/s

95th percentile per-packet one-way delay: 11.274 ms

Loss rate: 0.01%

-- Flow 2:

Average throughput: 24.63 Mbit/s

95th percentile per-packet one-way delay: 15.381 ms

Loss rate: 0.07%

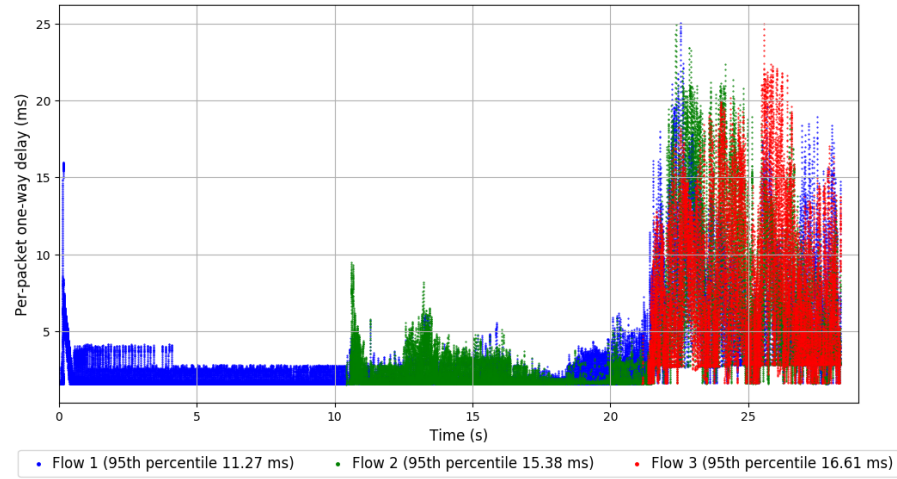
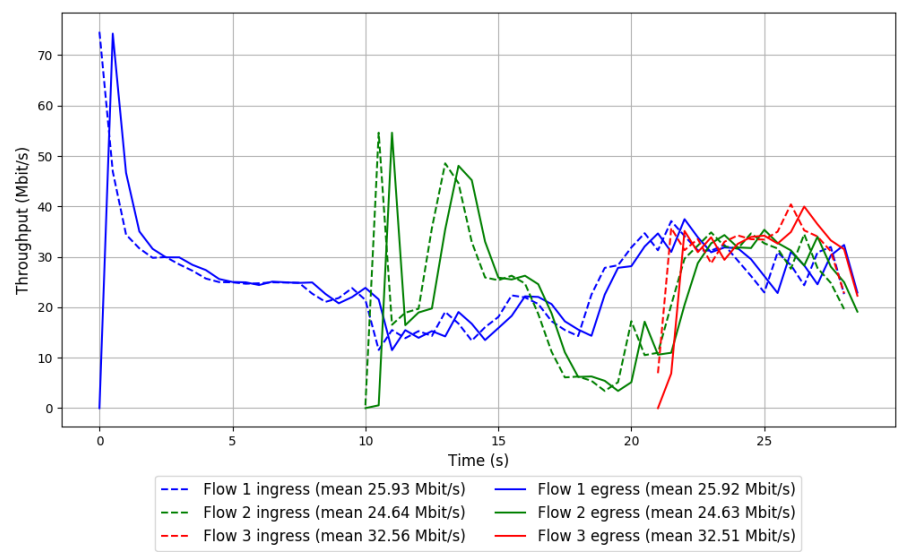
-- Flow 3:

Average throughput: 32.51 Mbit/s

95th percentile per-packet one-way delay: 16.612 ms

Loss rate: 0.20%

Run 5: Report of Indigo-MusesC5 — Data Link



Run 1: Statistics of Indigo-MusesD

Start at: 2019-11-24 16:09:16

End at: 2019-11-24 16:09:46

Local clock offset: -0.536 ms

Remote clock offset: -0.31 ms

Below is generated by plot.py at 2019-11-24 18:12:26

Datalink statistics

-- Total of 3 flows:

Average throughput: 56.99 Mbit/s

95th percentile per-packet one-way delay: 31.693 ms

Loss rate: 0.42%

-- Flow 1:

Average throughput: 29.16 Mbit/s

95th percentile per-packet one-way delay: 13.717 ms

Loss rate: 0.03%

-- Flow 2:

Average throughput: 27.29 Mbit/s

95th percentile per-packet one-way delay: 8.757 ms

Loss rate: 0.03%

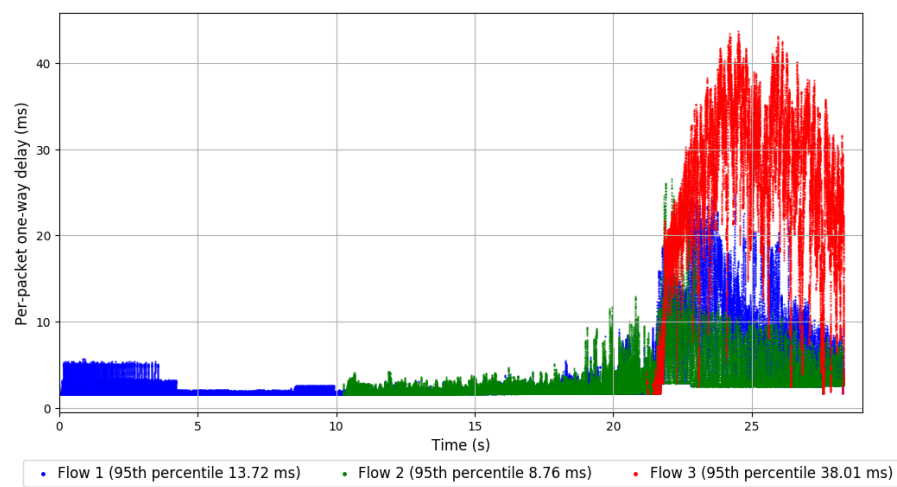
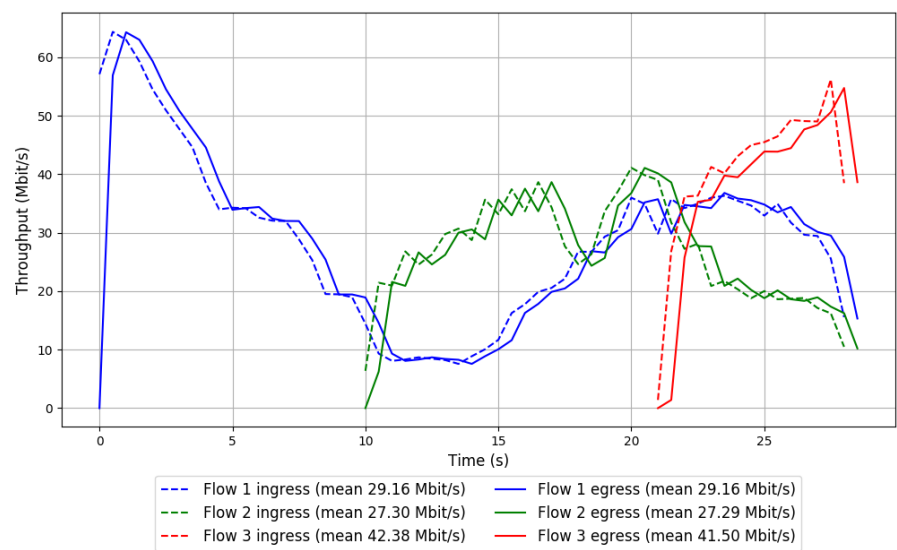
-- Flow 3:

Average throughput: 41.50 Mbit/s

95th percentile per-packet one-way delay: 38.005 ms

Loss rate: 2.15%

Run 1: Report of Indigo-MusesD — Data Link



Run 2: Statistics of Indigo-MusesD

Start at: 2019-11-24 16:36:44

End at: 2019-11-24 16:37:14

Local clock offset: -0.857 ms

Remote clock offset: 0.063 ms

Below is generated by plot.py at 2019-11-24 18:12:33

Datalink statistics

-- Total of 3 flows:

Average throughput: 65.94 Mbit/s

95th percentile per-packet one-way delay: 84.589 ms

Loss rate: 1.14%

-- Flow 1:

Average throughput: 32.12 Mbit/s

95th percentile per-packet one-way delay: 12.624 ms

Loss rate: 0.03%

-- Flow 2:

Average throughput: 40.29 Mbit/s

95th percentile per-packet one-way delay: 26.405 ms

Loss rate: 0.83%

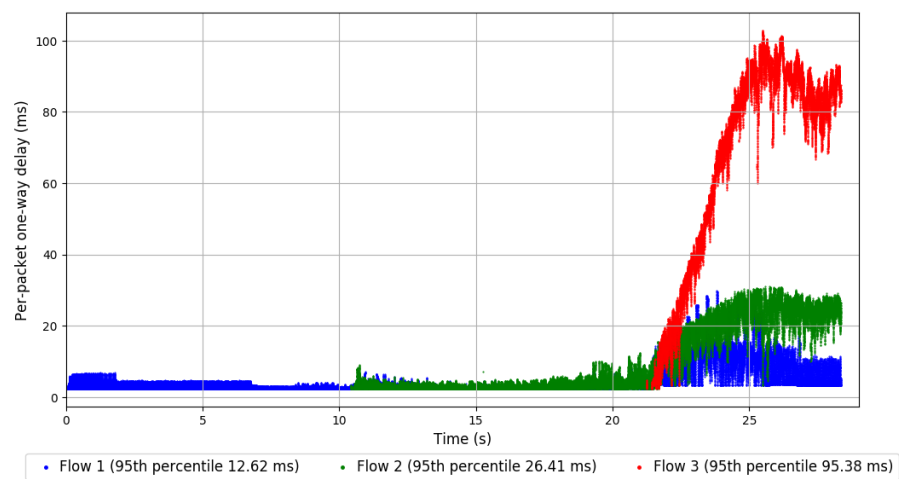
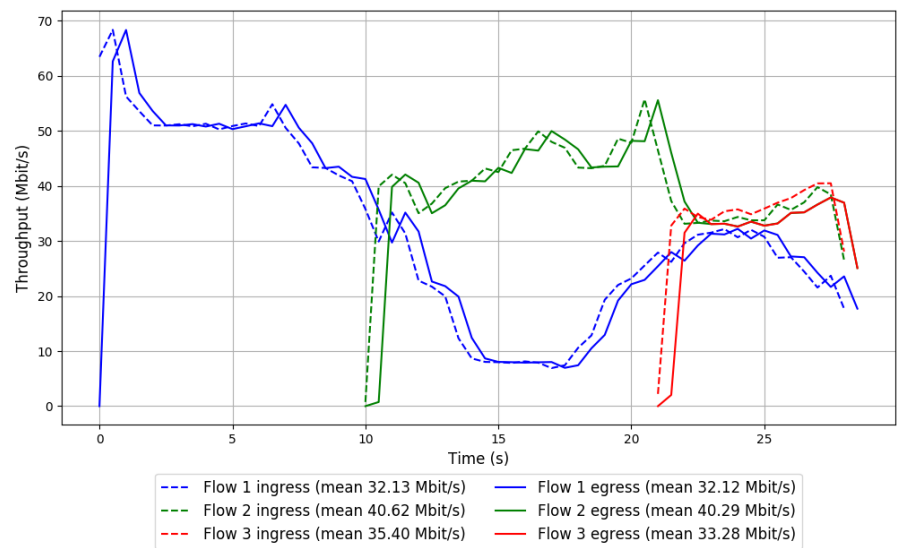
-- Flow 3:

Average throughput: 33.28 Mbit/s

95th percentile per-packet one-way delay: 95.381 ms

Loss rate: 6.02%

Run 2: Report of Indigo-MusesD — Data Link



Run 3: Statistics of Indigo-MusesD

Start at: 2019-11-24 17:04:09

End at: 2019-11-24 17:04:39

Local clock offset: -1.181 ms

Remote clock offset: 0.305 ms

Below is generated by plot.py at 2019-11-24 18:12:37

Datalink statistics

-- Total of 3 flows:

Average throughput: 60.14 Mbit/s

95th percentile per-packet one-way delay: 9.219 ms

Loss rate: 0.03%

-- Flow 1:

Average throughput: 34.06 Mbit/s

95th percentile per-packet one-way delay: 10.535 ms

Loss rate: 0.03%

-- Flow 2:

Average throughput: 30.77 Mbit/s

95th percentile per-packet one-way delay: 7.817 ms

Loss rate: 0.01%

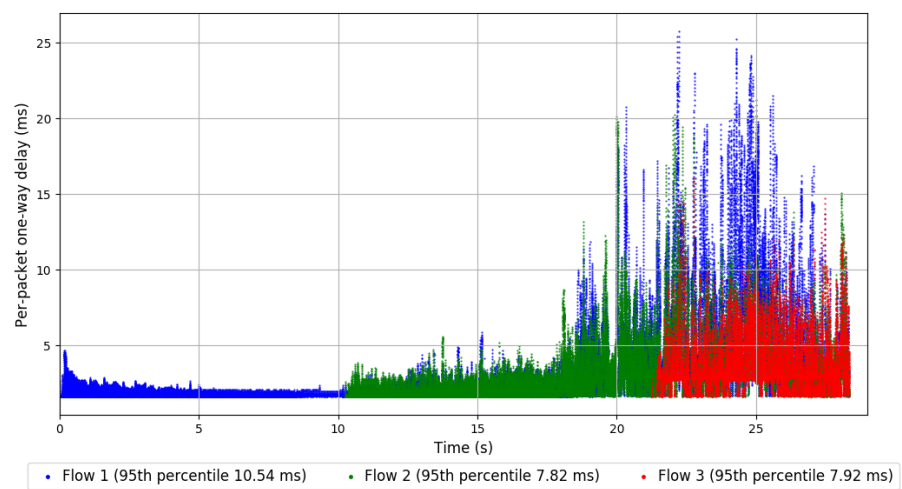
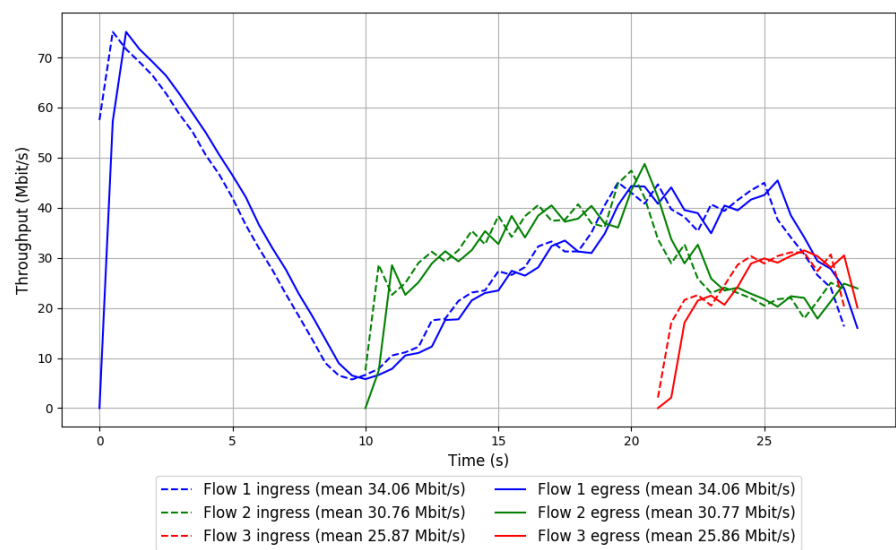
-- Flow 3:

Average throughput: 25.86 Mbit/s

95th percentile per-packet one-way delay: 7.918 ms

Loss rate: 0.10%

Run 3: Report of Indigo-MusesD — Data Link



Run 4: Statistics of Indigo-MusesD

Start at: 2019-11-24 17:31:34

End at: 2019-11-24 17:32:04

Local clock offset: 0.821 ms

Remote clock offset: 0.451 ms

Below is generated by plot.py at 2019-11-24 18:12:41

Datalink statistics

-- Total of 3 flows:

Average throughput: 56.60 Mbit/s

95th percentile per-packet one-way delay: 41.032 ms

Loss rate: 0.60%

-- Flow 1:

Average throughput: 31.28 Mbit/s

95th percentile per-packet one-way delay: 28.832 ms

Loss rate: 0.21%

-- Flow 2:

Average throughput: 26.05 Mbit/s

95th percentile per-packet one-way delay: 15.948 ms

Loss rate: 0.06%

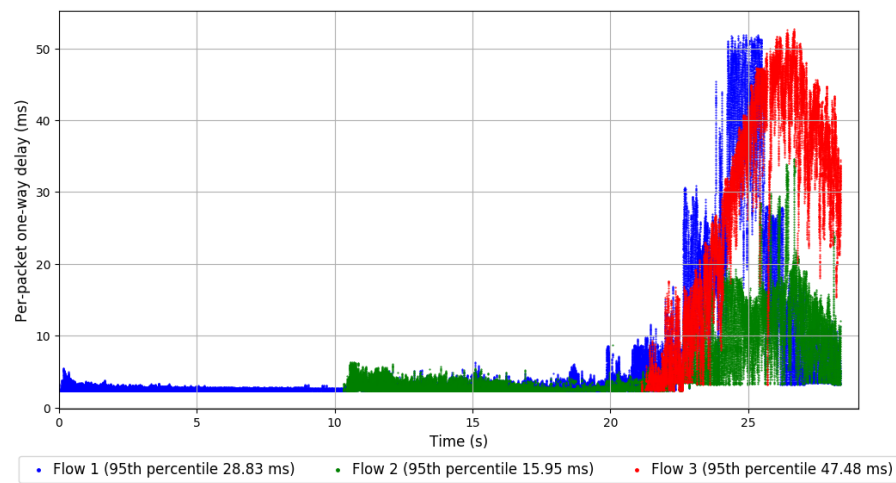
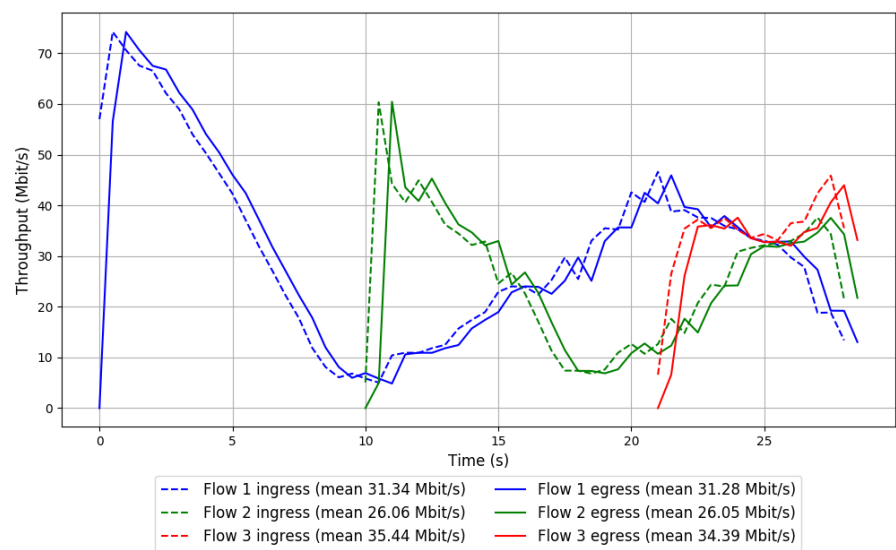
-- Flow 3:

Average throughput: 34.39 Mbit/s

95th percentile per-packet one-way delay: 47.478 ms

Loss rate: 2.97%

Run 4: Report of Indigo-MusesD — Data Link



Run 5: Statistics of Indigo-MusesD

Start at: 2019-11-24 17:58:57

End at: 2019-11-24 17:59:27

Local clock offset: 0.12 ms

Remote clock offset: 0.668 ms

Below is generated by plot.py at 2019-11-24 18:12:58

Datalink statistics

-- Total of 3 flows:

Average throughput: 62.52 Mbit/s

95th percentile per-packet one-way delay: 57.460 ms

Loss rate: 0.82%

-- Flow 1:

Average throughput: 32.32 Mbit/s

95th percentile per-packet one-way delay: 17.804 ms

Loss rate: 0.03%

-- Flow 2:

Average throughput: 32.86 Mbit/s

95th percentile per-packet one-way delay: 21.606 ms

Loss rate: 0.02%

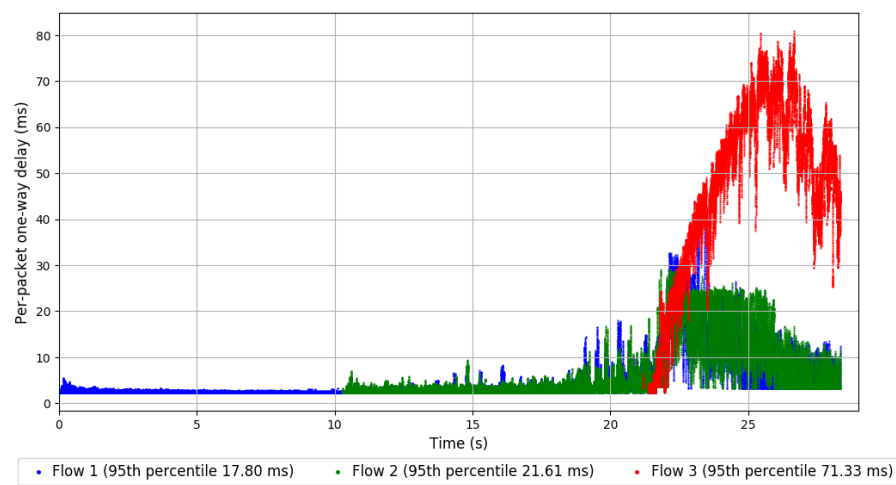
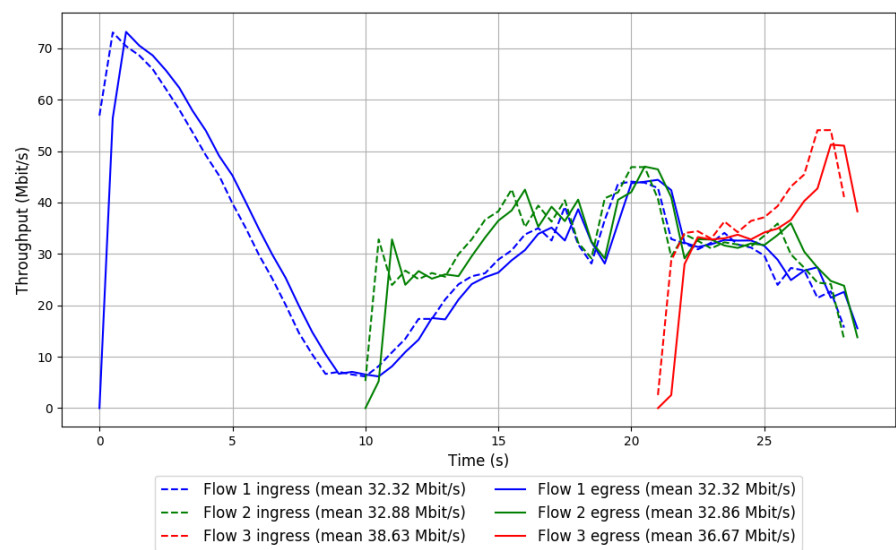
-- Flow 3:

Average throughput: 36.67 Mbit/s

95th percentile per-packet one-way delay: 71.328 ms

Loss rate: 5.11%

Run 5: Report of Indigo-MusesD — Data Link

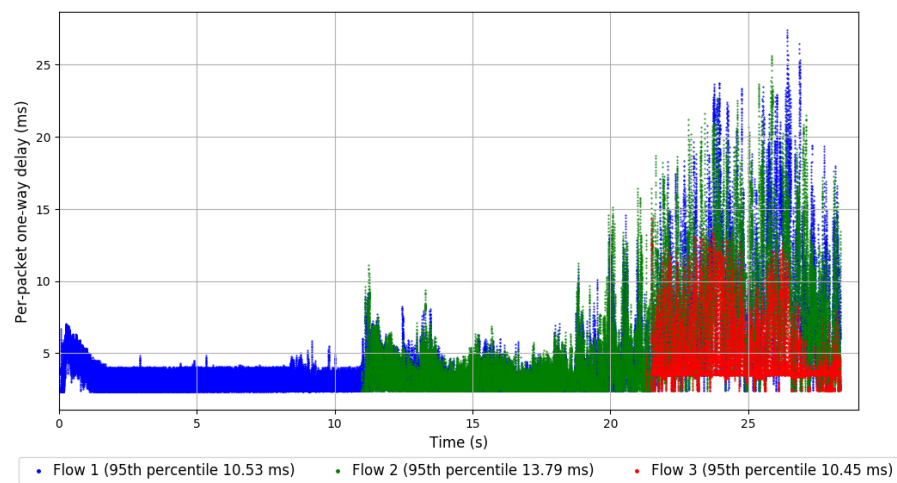
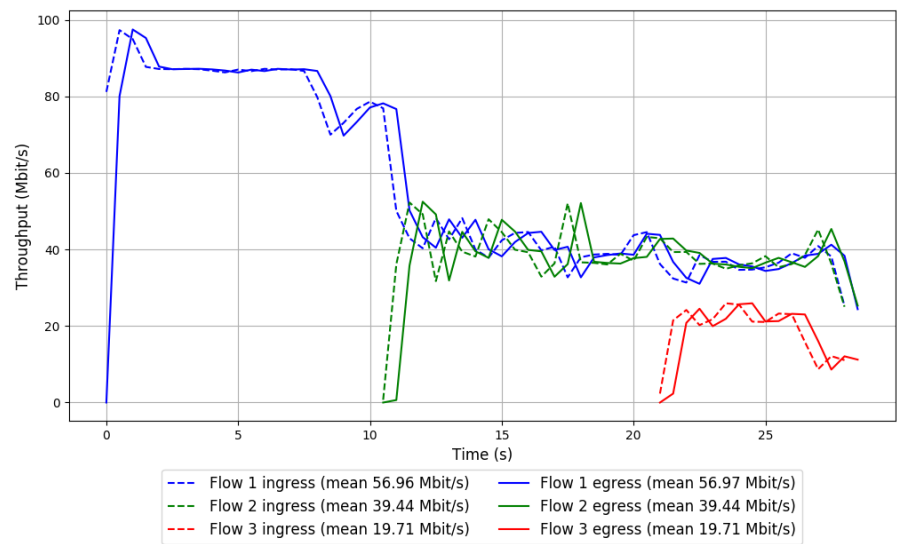


Run 1: Statistics of Indigo-MusesT

Start at: 2019-11-24 16:10:24
End at: 2019-11-24 16:10:54
Local clock offset: 0.068 ms
Remote clock offset: -0.318 ms

Below is generated by plot.py at 2019-11-24 18:13:13
Datalink statistics
-- Total of 3 flows:
Average throughput: 86.03 Mbit/s
95th percentile per-packet one-way delay: 11.865 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 56.97 Mbit/s
95th percentile per-packet one-way delay: 10.530 ms
Loss rate: 0.03%
-- Flow 2:
Average throughput: 39.44 Mbit/s
95th percentile per-packet one-way delay: 13.790 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 19.71 Mbit/s
95th percentile per-packet one-way delay: 10.446 ms
Loss rate: 0.00%

Run 1: Report of Indigo-MusesT — Data Link



Run 2: Statistics of Indigo-MusesT

Start at: 2019-11-24 16:37:52

End at: 2019-11-24 16:38:22

Local clock offset: -1.614 ms

Remote clock offset: 0.044 ms

Below is generated by plot.py at 2019-11-24 18:13:13

Datalink statistics

-- Total of 3 flows:

Average throughput: 80.06 Mbit/s

95th percentile per-packet one-way delay: 15.875 ms

Loss rate: 0.10%

-- Flow 1:

Average throughput: 50.97 Mbit/s

95th percentile per-packet one-way delay: 13.985 ms

Loss rate: 0.04%

-- Flow 2:

Average throughput: 35.37 Mbit/s

95th percentile per-packet one-way delay: 17.844 ms

Loss rate: 0.17%

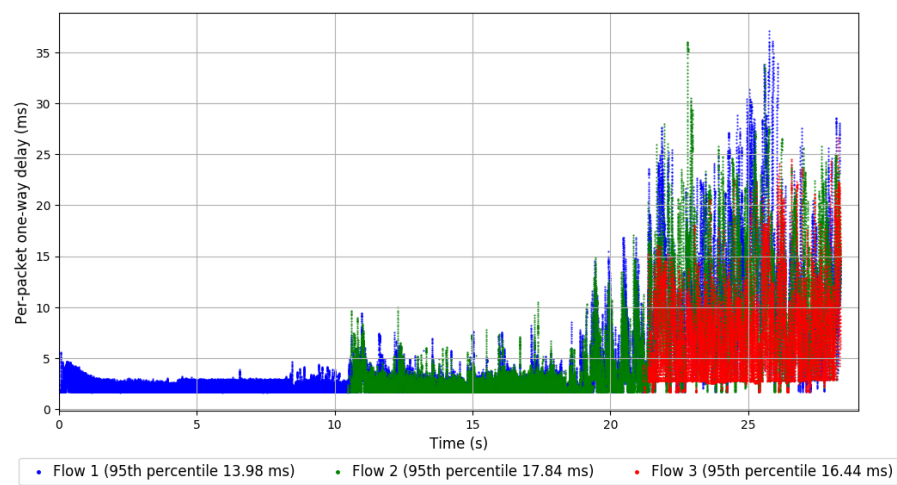
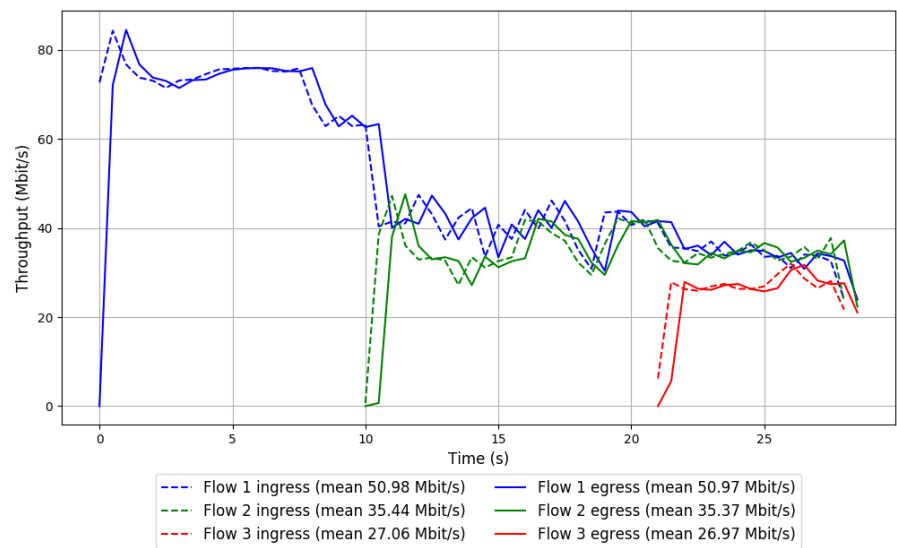
-- Flow 3:

Average throughput: 26.97 Mbit/s

95th percentile per-packet one-way delay: 16.440 ms

Loss rate: 0.30%

Run 2: Report of Indigo-MusesT — Data Link



Run 3: Statistics of Indigo-MusesT

Start at: 2019-11-24 17:05:17

End at: 2019-11-24 17:05:47

Local clock offset: -1.242 ms

Remote clock offset: 0.364 ms

Below is generated by plot.py at 2019-11-24 18:13:13

Datalink statistics

-- Total of 3 flows:

Average throughput: 79.75 Mbit/s

95th percentile per-packet one-way delay: 10.227 ms

Loss rate: 0.05%

-- Flow 1:

Average throughput: 53.00 Mbit/s

95th percentile per-packet one-way delay: 9.316 ms

Loss rate: 0.04%

-- Flow 2:

Average throughput: 37.54 Mbit/s

95th percentile per-packet one-way delay: 12.199 ms

Loss rate: 0.06%

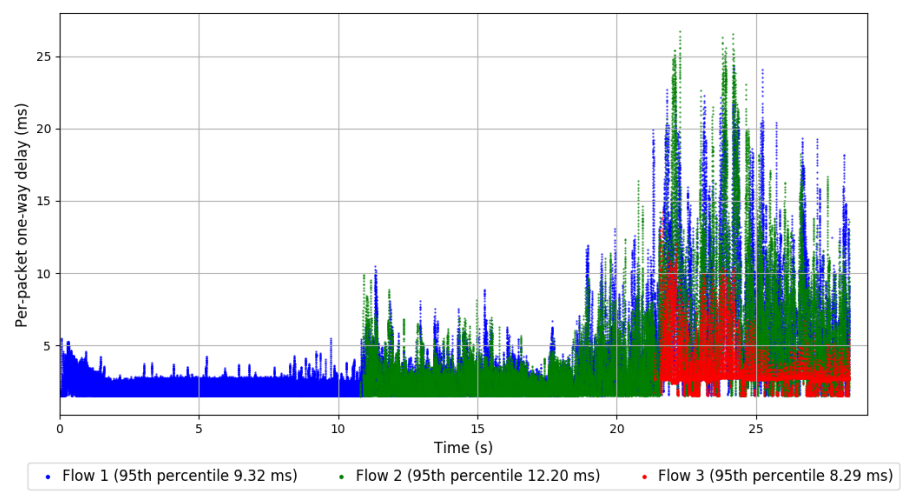
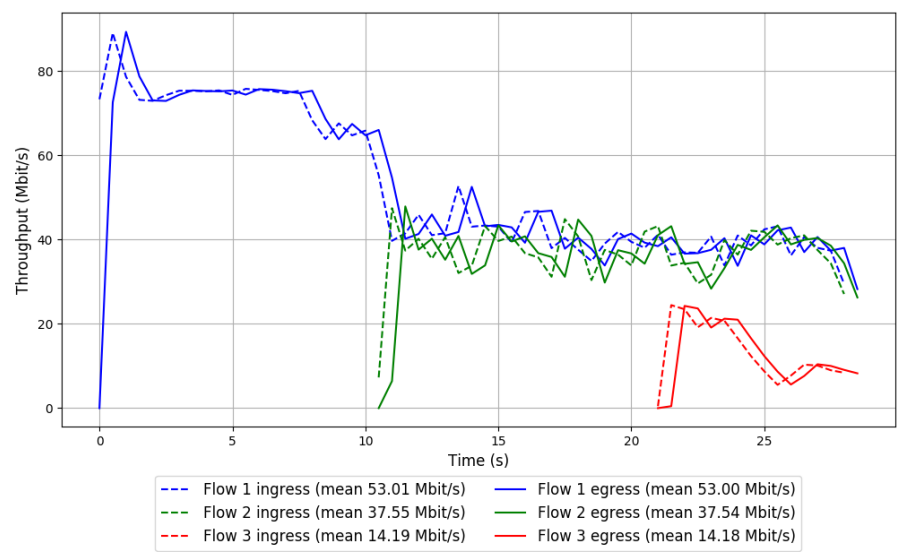
-- Flow 3:

Average throughput: 14.18 Mbit/s

95th percentile per-packet one-way delay: 8.295 ms

Loss rate: 0.07%

Run 3: Report of Indigo-MusesT — Data Link



Run 4: Statistics of Indigo-MusesT

Start at: 2019-11-24 17:32:41

End at: 2019-11-24 17:33:11

Local clock offset: 0.766 ms

Remote clock offset: 0.491 ms

Below is generated by plot.py at 2019-11-24 18:13:20

Datalink statistics

-- Total of 3 flows:

Average throughput: 84.99 Mbit/s

95th percentile per-packet one-way delay: 11.131 ms

Loss rate: 0.05%

-- Flow 1:

Average throughput: 56.51 Mbit/s

95th percentile per-packet one-way delay: 10.031 ms

Loss rate: 0.02%

-- Flow 2:

Average throughput: 38.12 Mbit/s

95th percentile per-packet one-way delay: 13.175 ms

Loss rate: 0.10%

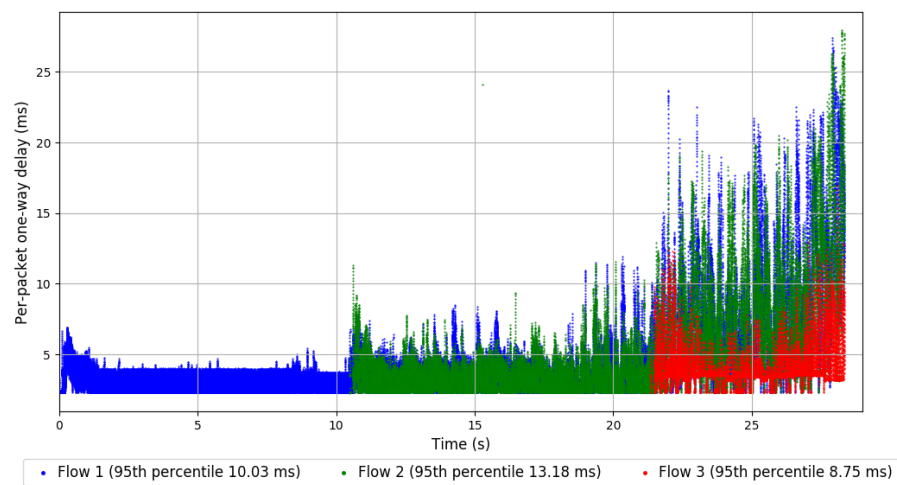
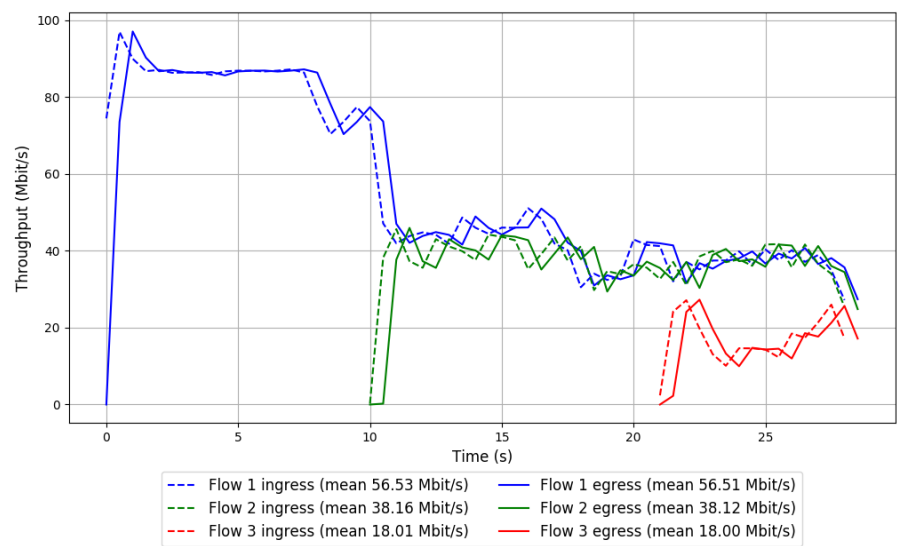
-- Flow 3:

Average throughput: 18.00 Mbit/s

95th percentile per-packet one-way delay: 8.753 ms

Loss rate: 0.19%

Run 4: Report of Indigo-MusesT — Data Link



Run 5: Statistics of Indigo-MusesT

Start at: 2019-11-24 18:00:05

End at: 2019-11-24 18:00:35

Local clock offset: 0.103 ms

Remote clock offset: 0.578 ms

Below is generated by plot.py at 2019-11-24 18:13:29

Datalink statistics

-- Total of 3 flows:

Average throughput: 83.17 Mbit/s

95th percentile per-packet one-way delay: 21.163 ms

Loss rate: 0.13%

-- Flow 1:

Average throughput: 52.20 Mbit/s

95th percentile per-packet one-way delay: 16.196 ms

Loss rate: 0.08%

-- Flow 2:

Average throughput: 37.97 Mbit/s

95th percentile per-packet one-way delay: 22.282 ms

Loss rate: 0.10%

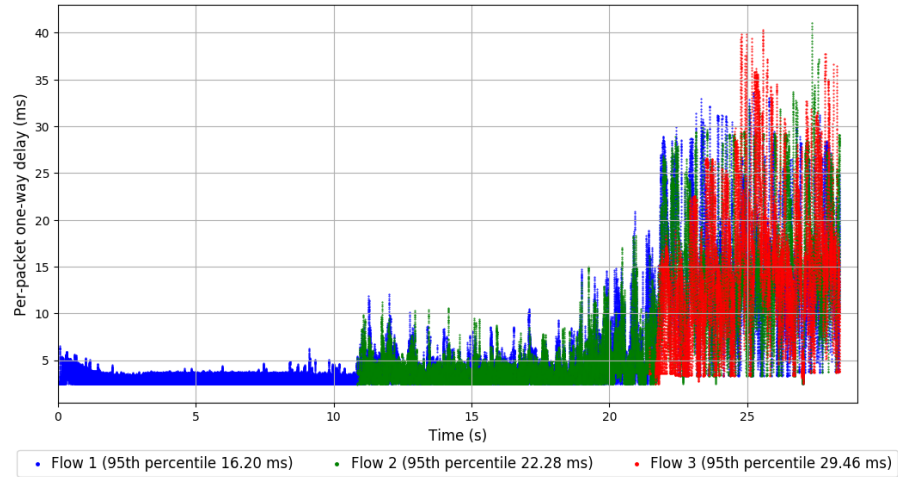
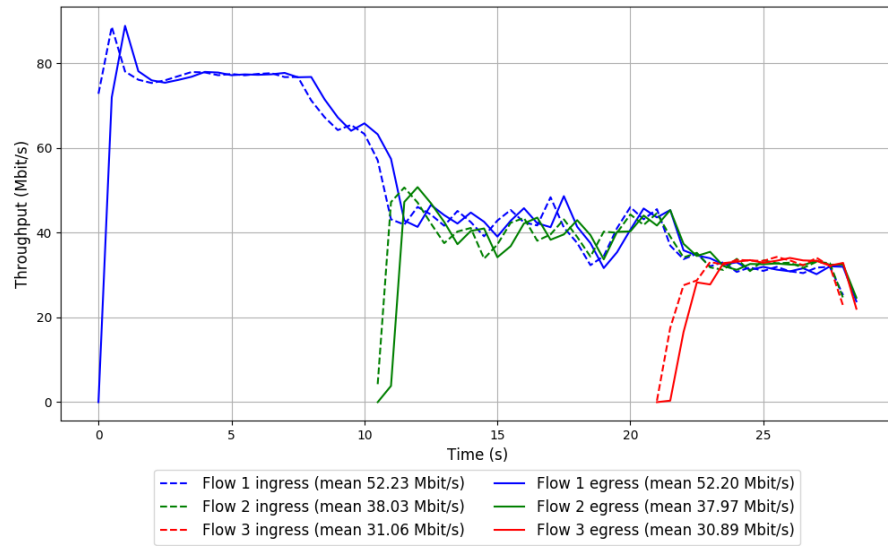
-- Flow 3:

Average throughput: 30.89 Mbit/s

95th percentile per-packet one-way delay: 29.457 ms

Loss rate: 0.57%

Run 5: Report of Indigo-MusesT — Data Link

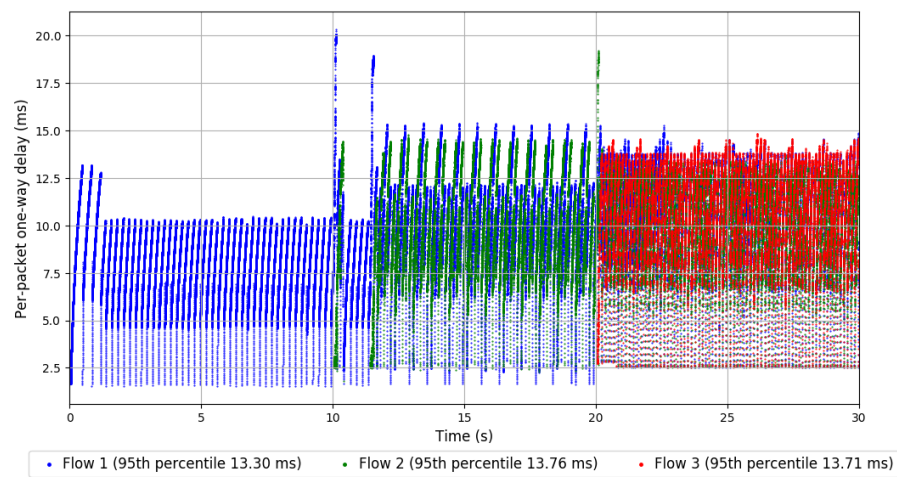
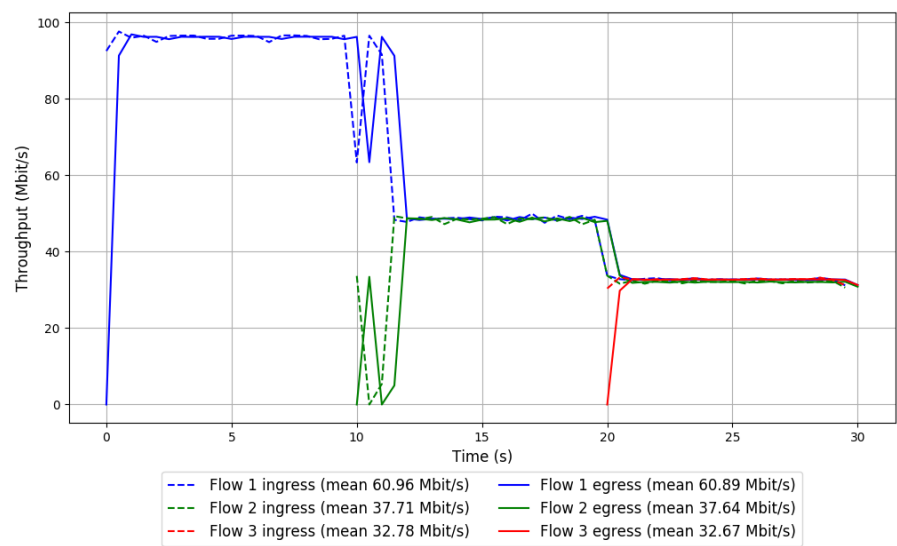


Run 1: Statistics of LEDBAT

Start at: 2019-11-24 16:06:59
End at: 2019-11-24 16:07:29
Local clock offset: -0.485 ms
Remote clock offset: -0.354 ms

Below is generated by plot.py at 2019-11-24 18:13:47
Datalink statistics
-- Total of 3 flows:
Average throughput: 96.79 Mbit/s
95th percentile per-packet one-way delay: 13.545 ms
Loss rate: 0.18%
-- Flow 1:
Average throughput: 60.89 Mbit/s
95th percentile per-packet one-way delay: 13.297 ms
Loss rate: 0.13%
-- Flow 2:
Average throughput: 37.64 Mbit/s
95th percentile per-packet one-way delay: 13.756 ms
Loss rate: 0.21%
-- Flow 3:
Average throughput: 32.67 Mbit/s
95th percentile per-packet one-way delay: 13.707 ms
Loss rate: 0.38%

Run 1: Report of LEDBAT — Data Link

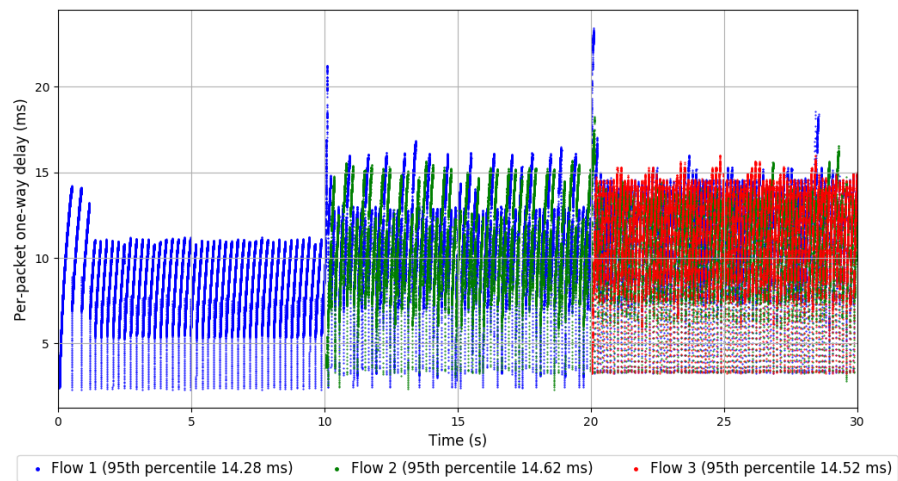
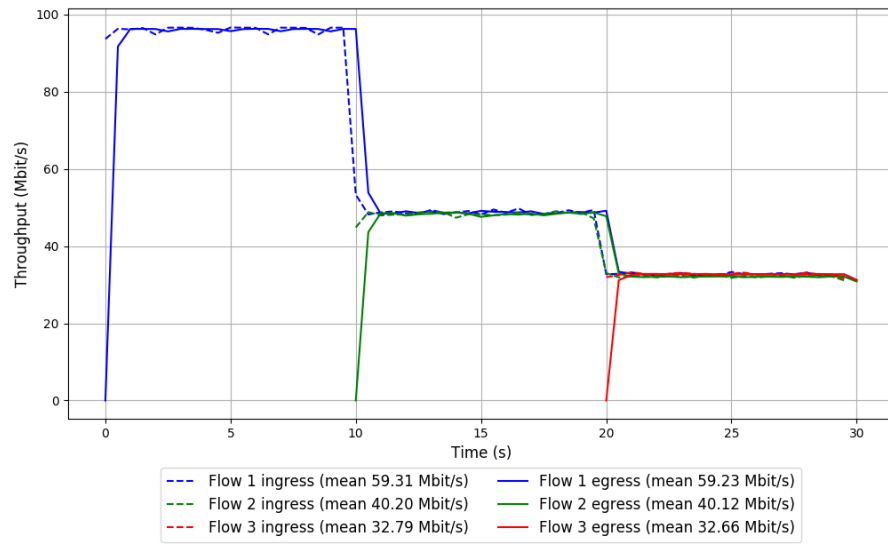


Run 2: Statistics of LEDBAT

Start at: 2019-11-24 16:34:26
End at: 2019-11-24 16:34:56
Local clock offset: -0.902 ms
Remote clock offset: -0.069 ms

Below is generated by plot.py at 2019-11-24 18:13:54
Datalink statistics
-- Total of 3 flows:
Average throughput: 96.82 Mbit/s
95th percentile per-packet one-way delay: 14.449 ms
Loss rate: 0.20%
-- Flow 1:
Average throughput: 59.23 Mbit/s
95th percentile per-packet one-way delay: 14.275 ms
Loss rate: 0.14%
-- Flow 2:
Average throughput: 40.12 Mbit/s
95th percentile per-packet one-way delay: 14.616 ms
Loss rate: 0.22%
-- Flow 3:
Average throughput: 32.66 Mbit/s
95th percentile per-packet one-way delay: 14.521 ms
Loss rate: 0.42%

Run 2: Report of LEDBAT — Data Link



Run 3: Statistics of LEDBAT

Start at: 2019-11-24 17:01:52

End at: 2019-11-24 17:02:22

Local clock offset: -1.258 ms

Remote clock offset: 0.229 ms

Below is generated by plot.py at 2019-11-24 18:14:13

Datalink statistics

-- Total of 3 flows:

Average throughput: 96.92 Mbit/s

95th percentile per-packet one-way delay: 12.980 ms

Loss rate: 0.20%

-- Flow 1:

Average throughput: 59.24 Mbit/s

95th percentile per-packet one-way delay: 12.854 ms

Loss rate: 0.14%

-- Flow 2:

Average throughput: 40.64 Mbit/s

95th percentile per-packet one-way delay: 13.270 ms

Loss rate: 0.27%

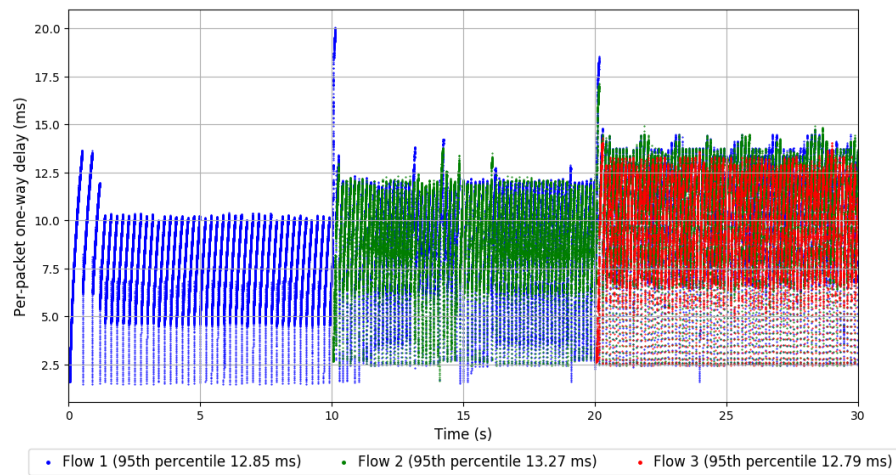
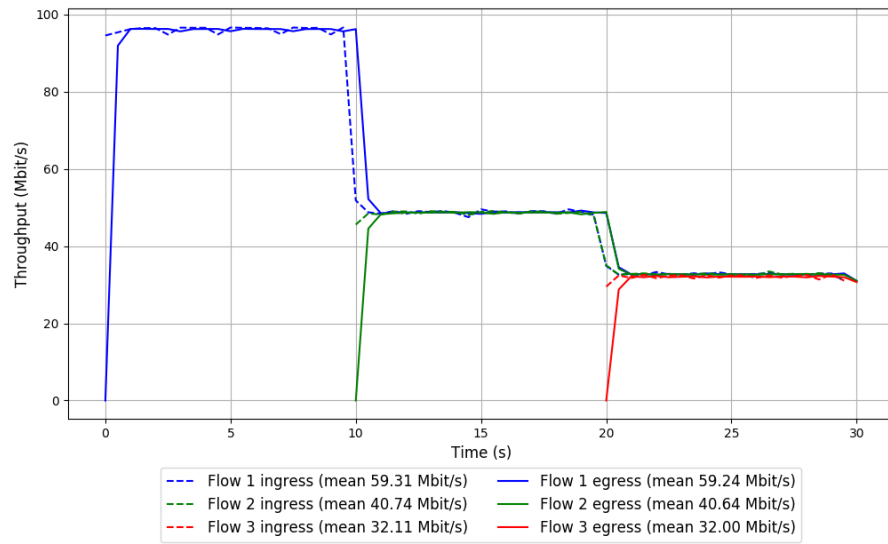
-- Flow 3:

Average throughput: 32.00 Mbit/s

95th percentile per-packet one-way delay: 12.787 ms

Loss rate: 0.39%

Run 3: Report of LEDBAT — Data Link



Run 4: Statistics of LEDBAT

Start at: 2019-11-24 17:29:16

End at: 2019-11-24 17:29:46

Local clock offset: 0.763 ms

Remote clock offset: 0.449 ms

Below is generated by plot.py at 2019-11-24 18:14:28

Datalink statistics

-- Total of 3 flows:

Average throughput: 96.84 Mbit/s

95th percentile per-packet one-way delay: 14.438 ms

Loss rate: 0.19%

-- Flow 1:

Average throughput: 59.21 Mbit/s

95th percentile per-packet one-way delay: 14.251 ms

Loss rate: 0.14%

-- Flow 2:

Average throughput: 40.22 Mbit/s

95th percentile per-packet one-way delay: 14.657 ms

Loss rate: 0.22%

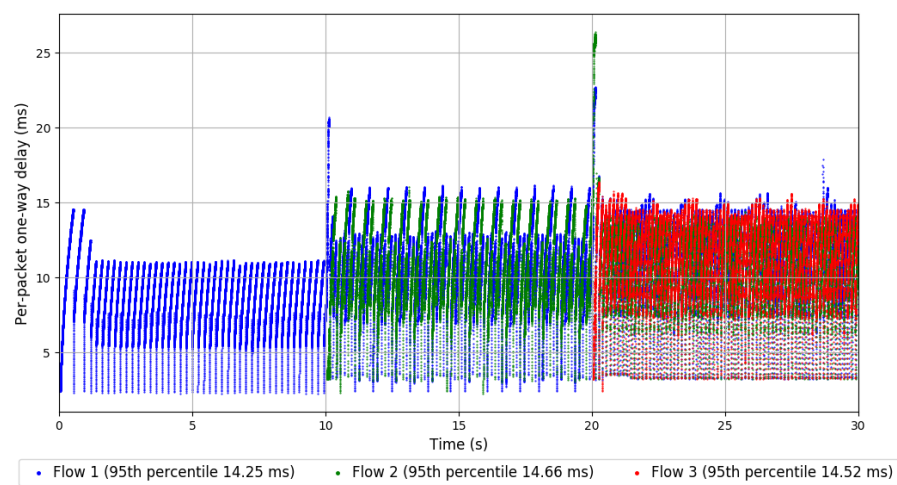
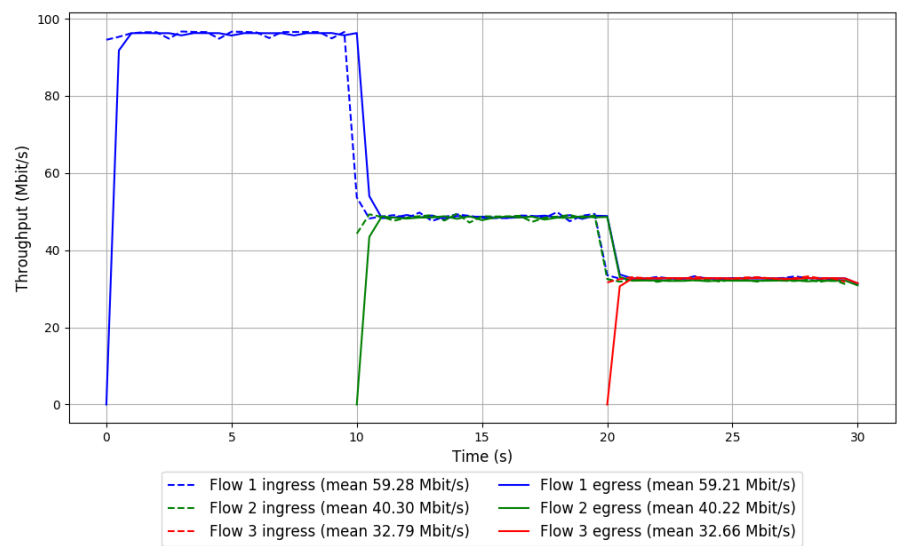
-- Flow 3:

Average throughput: 32.66 Mbit/s

95th percentile per-packet one-way delay: 14.515 ms

Loss rate: 0.42%

Run 4: Report of LEDBAT — Data Link



Run 5: Statistics of LEDBAT

Start at: 2019-11-24 17:56:40

End at: 2019-11-24 17:57:10

Local clock offset: 0.157 ms

Remote clock offset: 0.651 ms

Below is generated by plot.py at 2019-11-24 18:14:30

Datalink statistics

-- Total of 3 flows:

Average throughput: 96.91 Mbit/s

95th percentile per-packet one-way delay: 14.038 ms

Loss rate: 0.20%

-- Flow 1:

Average throughput: 59.11 Mbit/s

95th percentile per-packet one-way delay: 13.891 ms

Loss rate: 0.14%

-- Flow 2:

Average throughput: 40.57 Mbit/s

95th percentile per-packet one-way delay: 14.026 ms

Loss rate: 0.24%

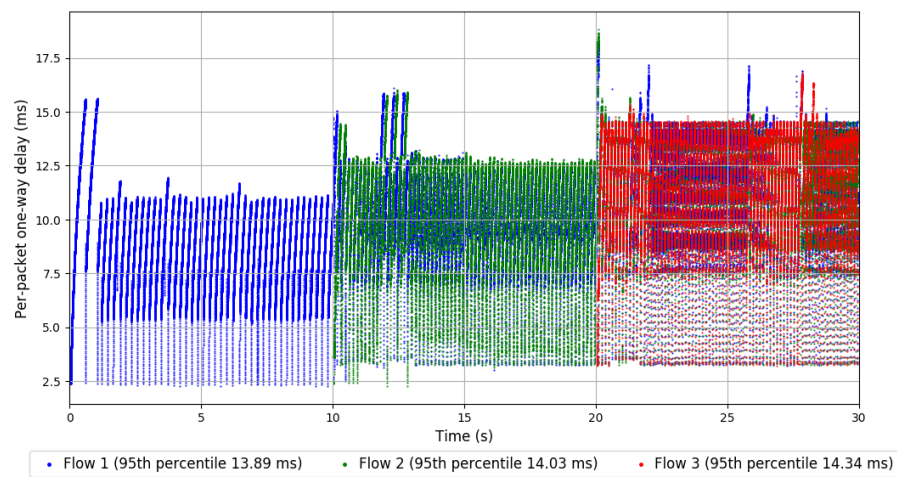
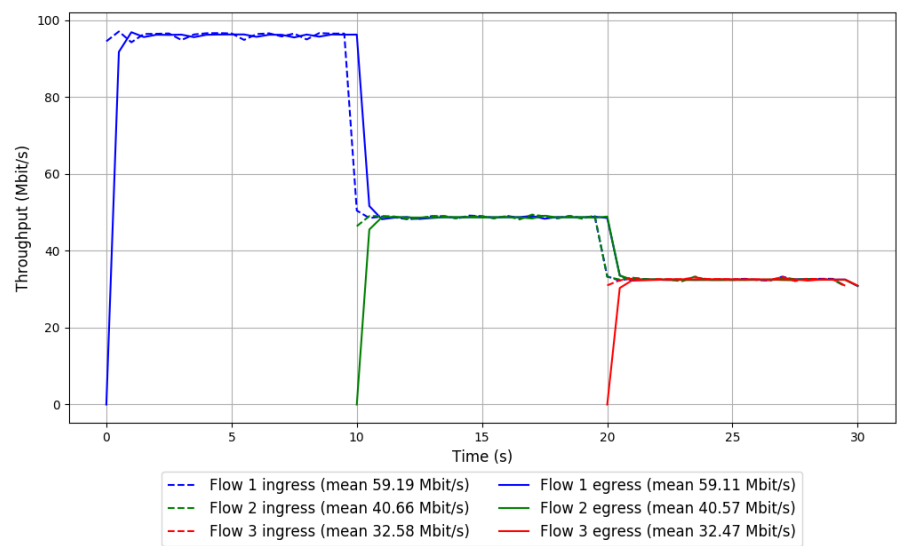
-- Flow 3:

Average throughput: 32.47 Mbit/s

95th percentile per-packet one-way delay: 14.344 ms

Loss rate: 0.39%

Run 5: Report of LEDBAT — Data Link

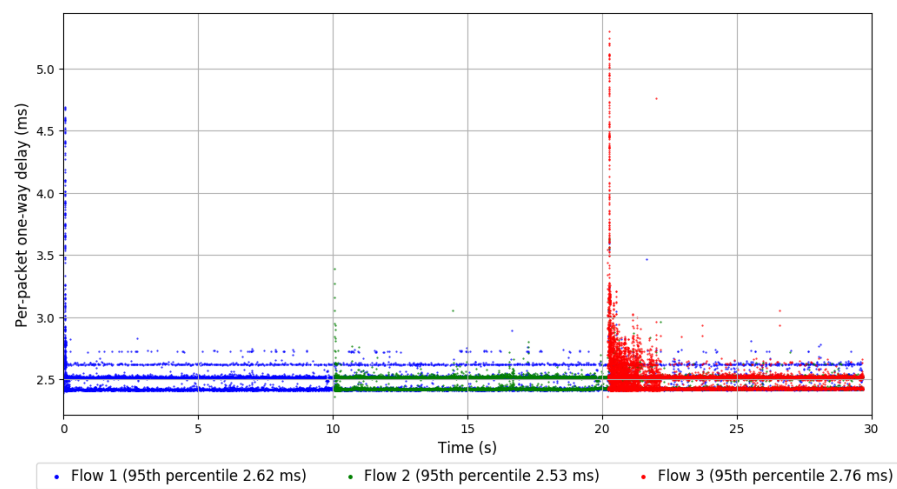
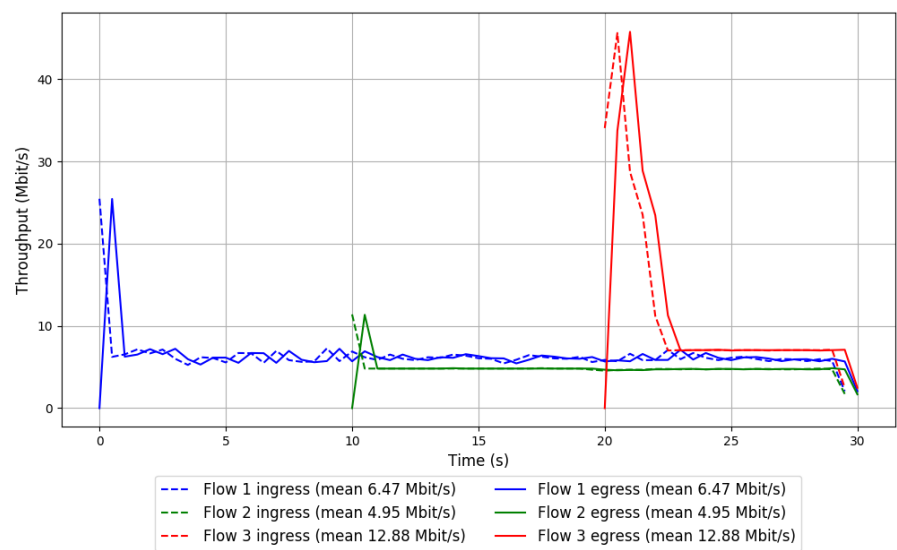


Run 1: Statistics of Muses_DecisionTree

Start at: 2019-11-24 16:02:28
End at: 2019-11-24 16:02:58
Local clock offset: 0.242 ms
Remote clock offset: -0.411 ms

Below is generated by plot.py at 2019-11-24 18:14:30
Datalink statistics
-- Total of 3 flows:
Average throughput: 13.86 Mbit/s
95th percentile per-packet one-way delay: 2.626 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 6.47 Mbit/s
95th percentile per-packet one-way delay: 2.622 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 4.95 Mbit/s
95th percentile per-packet one-way delay: 2.531 ms
Loss rate: 0.02%
-- Flow 3:
Average throughput: 12.88 Mbit/s
95th percentile per-packet one-way delay: 2.756 ms
Loss rate: 0.02%

Run 1: Report of Muses_DecisionTree — Data Link

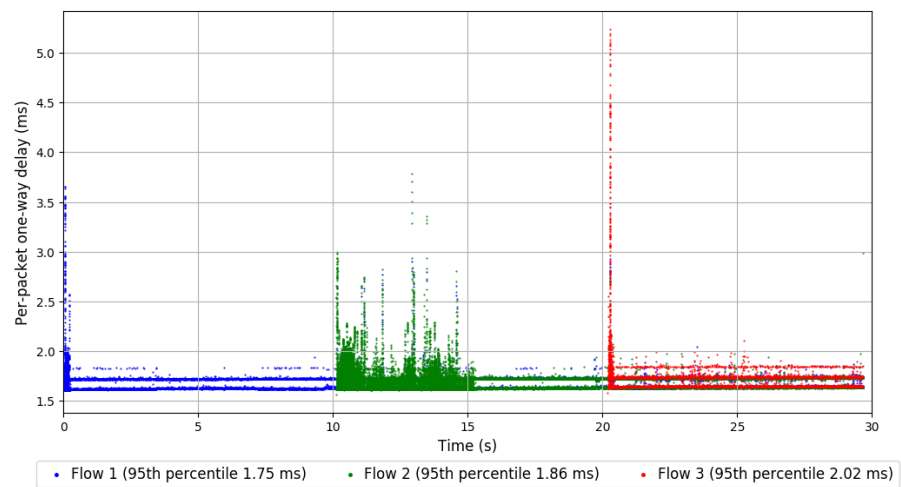
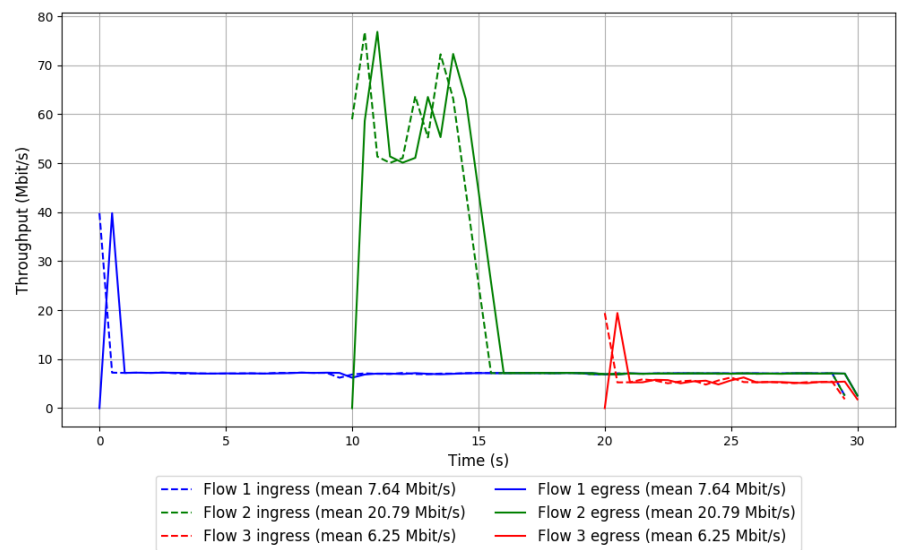


Run 2: Statistics of Muses_DecisionTree

Start at: 2019-11-24 16:29:55
End at: 2019-11-24 16:30:25
Local clock offset: -1.516 ms
Remote clock offset: -0.021 ms

Below is generated by plot.py at 2019-11-24 18:14:30
Datalink statistics
-- Total of 3 flows:
Average throughput: 23.33 Mbit/s
95th percentile per-packet one-way delay: 1.843 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 7.64 Mbit/s
95th percentile per-packet one-way delay: 1.745 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 20.79 Mbit/s
95th percentile per-packet one-way delay: 1.864 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 6.25 Mbit/s
95th percentile per-packet one-way delay: 2.017 ms
Loss rate: 0.02%

Run 2: Report of Muses_DecisionTree — Data Link



Run 3: Statistics of Muses_DecisionTree

Start at: 2019-11-24 16:57:21

End at: 2019-11-24 16:57:51

Local clock offset: -1.229 ms

Remote clock offset: 0.197 ms

Below is generated by plot.py at 2019-11-24 18:14:30

Datalink statistics

-- Total of 3 flows:

Average throughput: 17.09 Mbit/s

95th percentile per-packet one-way delay: 1.775 ms

Loss rate: 0.01%

-- Flow 1:

Average throughput: 7.31 Mbit/s

95th percentile per-packet one-way delay: 1.755 ms

Loss rate: 0.01%

-- Flow 2:

Average throughput: 9.53 Mbit/s

95th percentile per-packet one-way delay: 1.788 ms

Loss rate: 0.01%

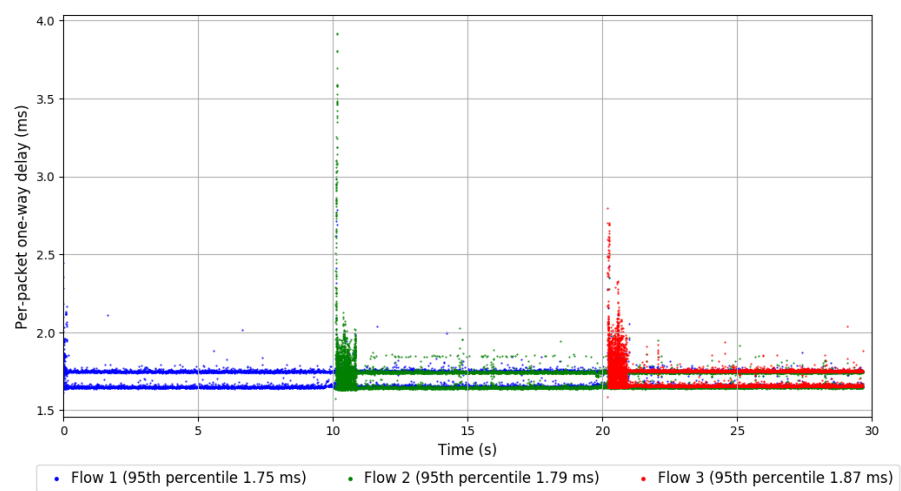
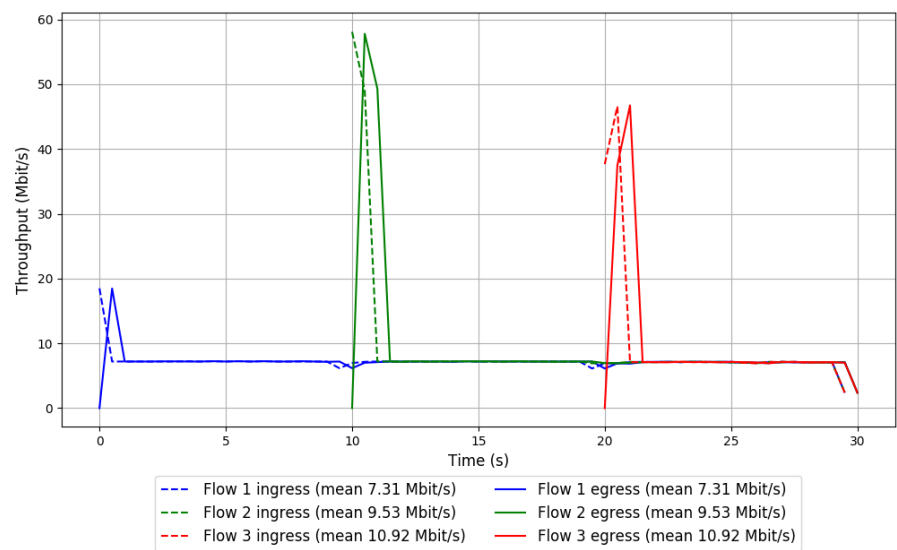
-- Flow 3:

Average throughput: 10.92 Mbit/s

95th percentile per-packet one-way delay: 1.872 ms

Loss rate: 0.01%

Run 3: Report of Muses_DecisionTree — Data Link



Run 4: Statistics of Muses_DecisionTree

Start at: 2019-11-24 17:24:46

End at: 2019-11-24 17:25:16

Local clock offset: 0.634 ms

Remote clock offset: 0.456 ms

Below is generated by plot.py at 2019-11-24 18:14:30

Datalink statistics

-- Total of 3 flows:

Average throughput: 14.02 Mbit/s

95th percentile per-packet one-way delay: 2.558 ms

Loss rate: 0.02%

-- Flow 1:

Average throughput: 8.03 Mbit/s

95th percentile per-packet one-way delay: 2.479 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 6.07 Mbit/s

95th percentile per-packet one-way delay: 2.565 ms

Loss rate: 0.05%

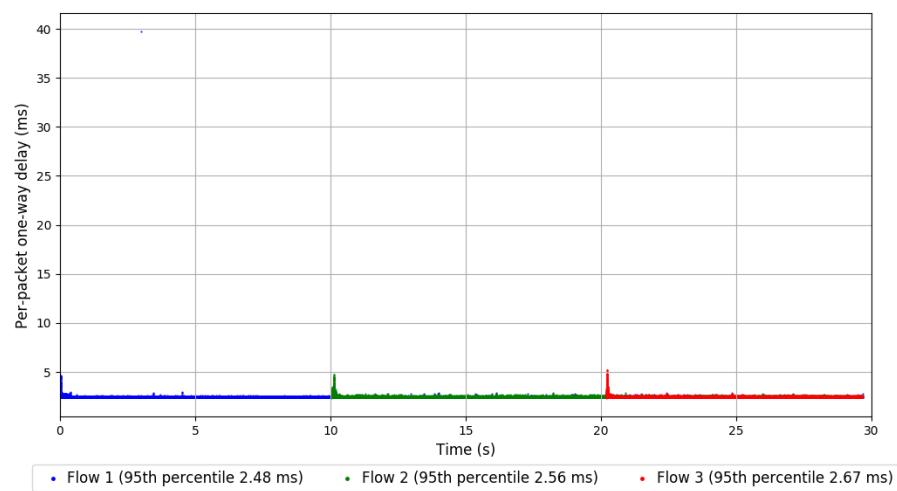
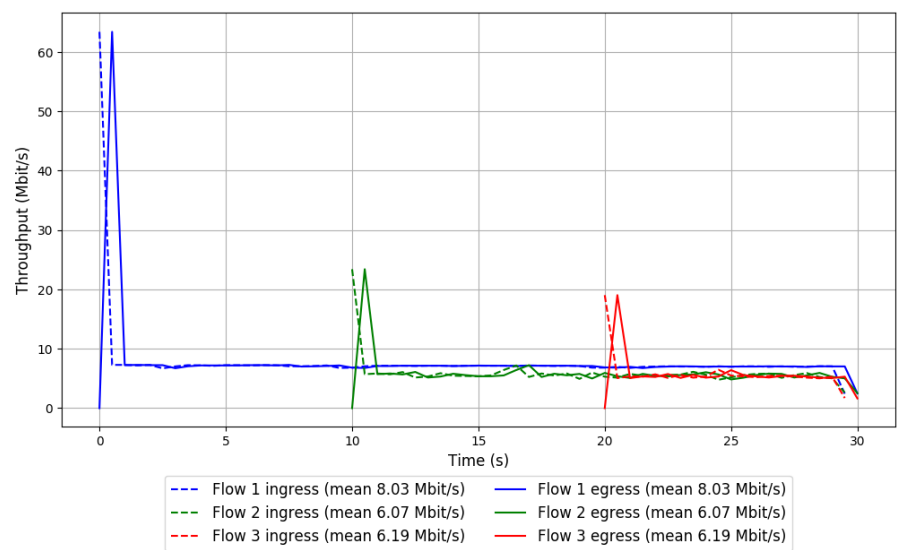
-- Flow 3:

Average throughput: 6.19 Mbit/s

95th percentile per-packet one-way delay: 2.674 ms

Loss rate: 0.06%

Run 4: Report of Muses_DecisionTree — Data Link



Run 5: Statistics of Muses_DecisionTree

Start at: 2019-11-24 17:52:09

End at: 2019-11-24 17:52:39

Local clock offset: 0.237 ms

Remote clock offset: 0.547 ms

Below is generated by plot.py at 2019-11-24 18:14:30

Datalink statistics

-- Total of 3 flows:

Average throughput: 12.36 Mbit/s

95th percentile per-packet one-way delay: 2.682 ms

Loss rate: 0.02%

-- Flow 1:

Average throughput: 6.52 Mbit/s

95th percentile per-packet one-way delay: 2.676 ms

Loss rate: 0.01%

-- Flow 2:

Average throughput: 5.65 Mbit/s

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

Loss rate: 0.01%

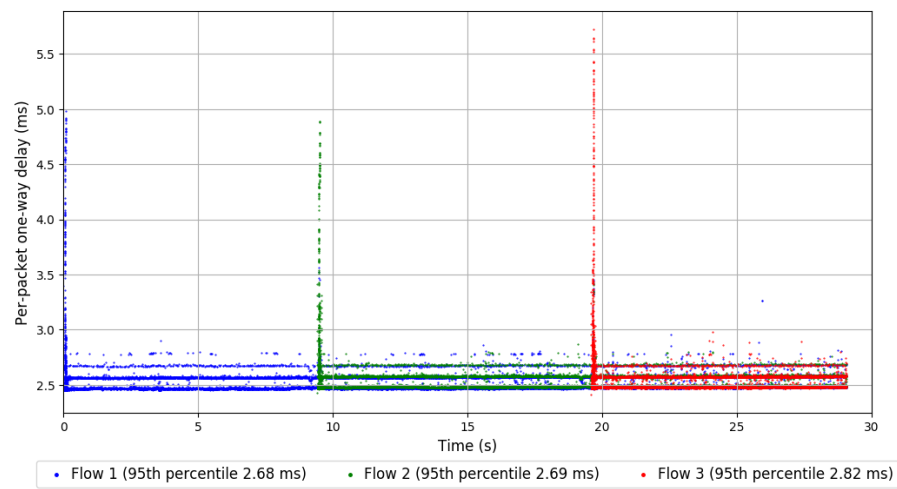
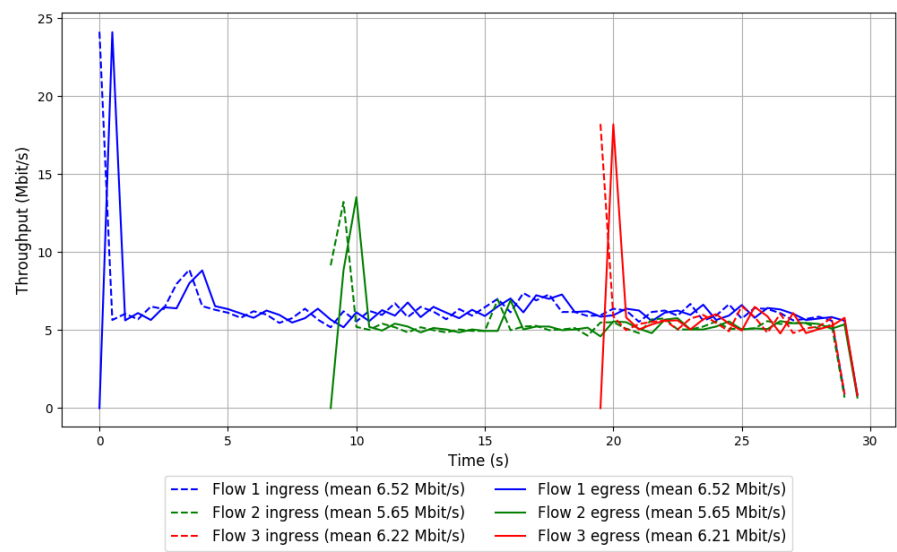
-- Flow 3:

Average throughput: 6.21 Mbit/s

95th percentile per-packet one-way delay: 2.823 ms

Loss rate: 0.06%

Run 5: Report of Muses_DecisionTree — Data Link

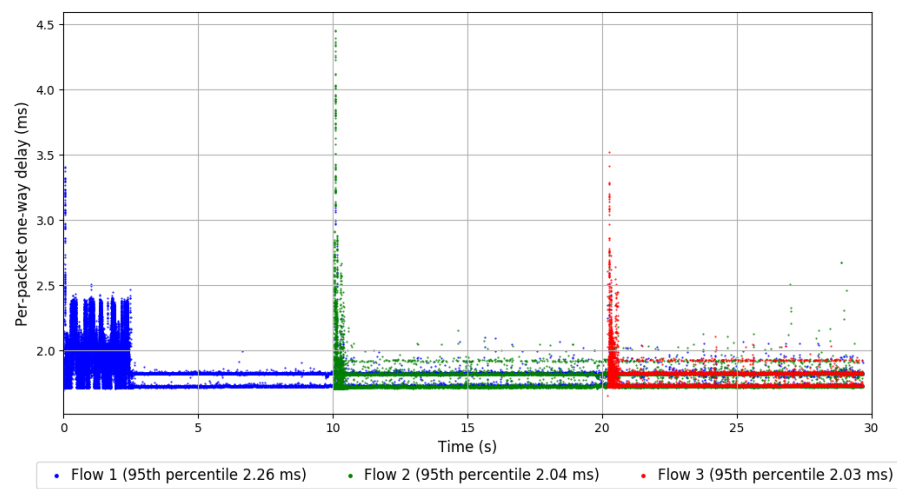
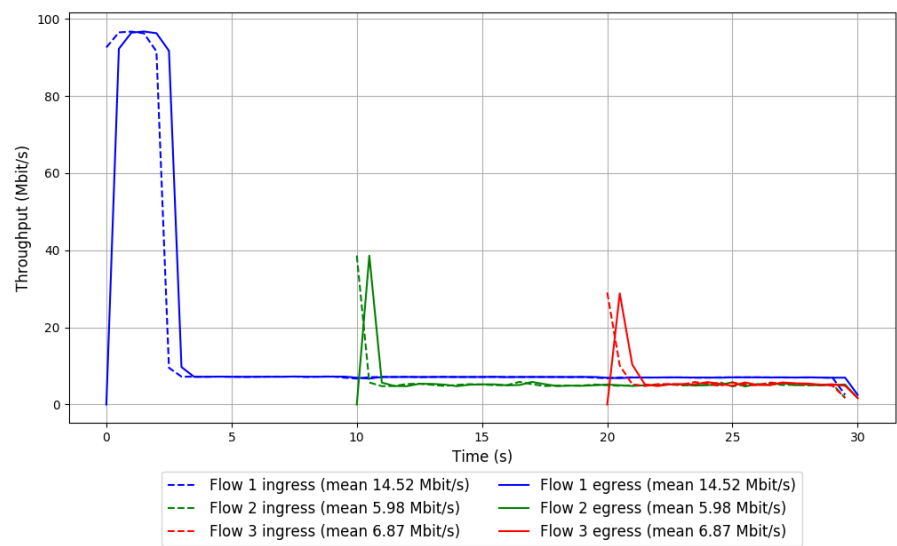


Run 1: Statistics of Muses_DecisionTreeH0

Start at: 2019-11-24 15:49:55
End at: 2019-11-24 15:50:25
Local clock offset: -0.49 ms
Remote clock offset: -0.538 ms

Below is generated by plot.py at 2019-11-24 18:14:30
Datalink statistics
-- Total of 3 flows:
Average throughput: 20.67 Mbit/s
95th percentile per-packet one-way delay: 2.248 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 14.52 Mbit/s
95th percentile per-packet one-way delay: 2.264 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 5.98 Mbit/s
95th percentile per-packet one-way delay: 2.035 ms
Loss rate: 0.02%
-- Flow 3:
Average throughput: 6.87 Mbit/s
95th percentile per-packet one-way delay: 2.033 ms
Loss rate: 0.04%

Run 1: Report of Muses_DecisionTreeH0 — Data Link

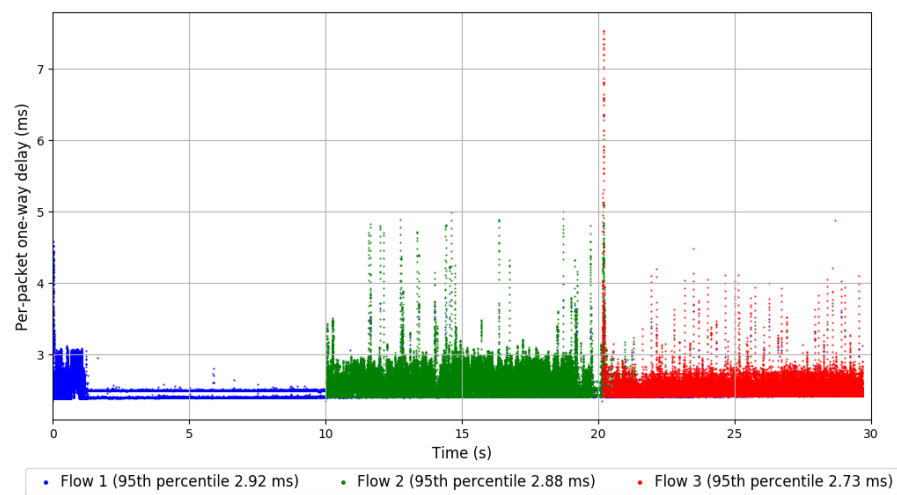
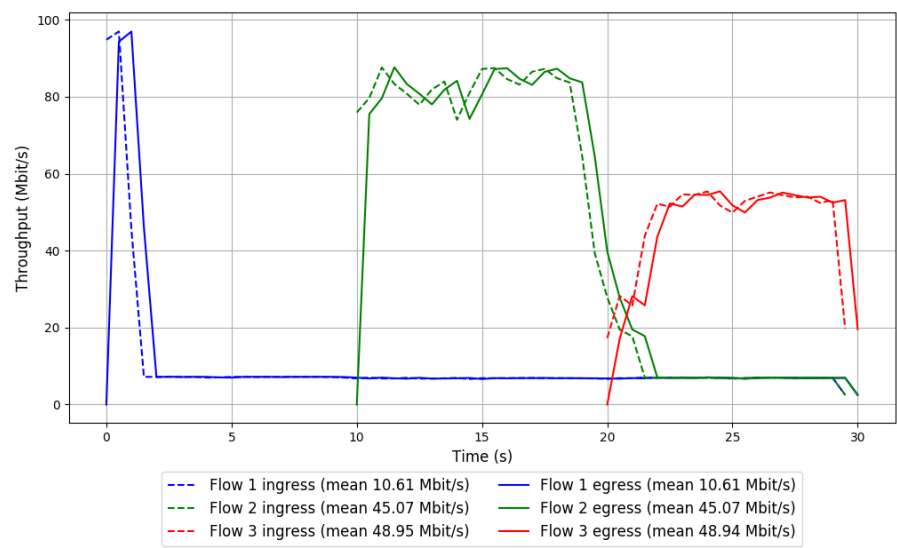


Run 2: Statistics of Muses_DecisionTreeH0

Start at: 2019-11-24 16:17:19
End at: 2019-11-24 16:17:49
Local clock offset: -0.393 ms
Remote clock offset: -0.231 ms

Below is generated by plot.py at 2019-11-24 18:14:30
Datalink statistics
-- Total of 3 flows:
Average throughput: 56.22 Mbit/s
95th percentile per-packet one-way delay: 2.867 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 10.61 Mbit/s
95th percentile per-packet one-way delay: 2.920 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 45.07 Mbit/s
95th percentile per-packet one-way delay: 2.885 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 48.94 Mbit/s
95th percentile per-packet one-way delay: 2.728 ms
Loss rate: 0.04%

Run 2: Report of Muses_DecisionTreeH0 — Data Link



Run 3: Statistics of Muses_DecisionTreeH0

Start at: 2019-11-24 16:44:45

End at: 2019-11-24 16:45:15

Local clock offset: -0.659 ms

Remote clock offset: 0.022 ms

Below is generated by plot.py at 2019-11-24 18:14:30

Datalink statistics

-- Total of 3 flows:

Average throughput: 51.32 Mbit/s

95th percentile per-packet one-way delay: 2.907 ms

Loss rate: 0.01%

-- Flow 1:

Average throughput: 7.35 Mbit/s

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

Loss rate: 0.01%

-- Flow 2:

Average throughput: 53.14 Mbit/s

95th percentile per-packet one-way delay: 2.930 ms

Loss rate: 0.01%

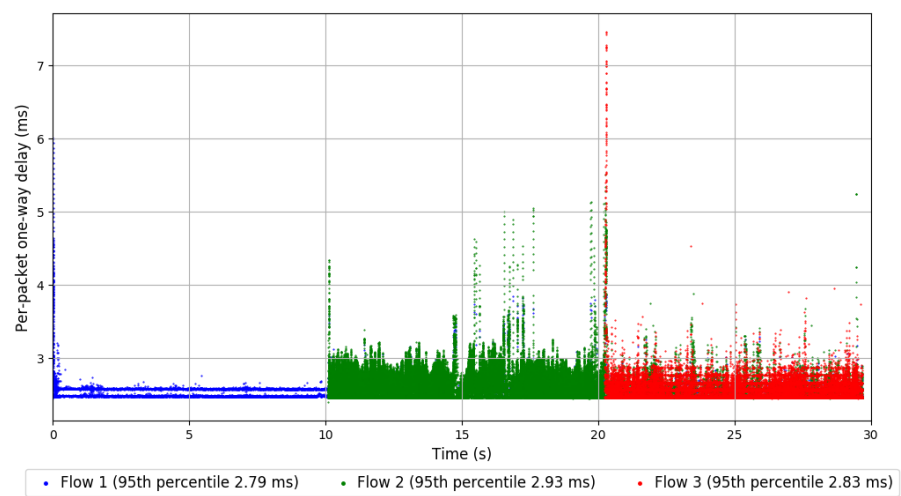
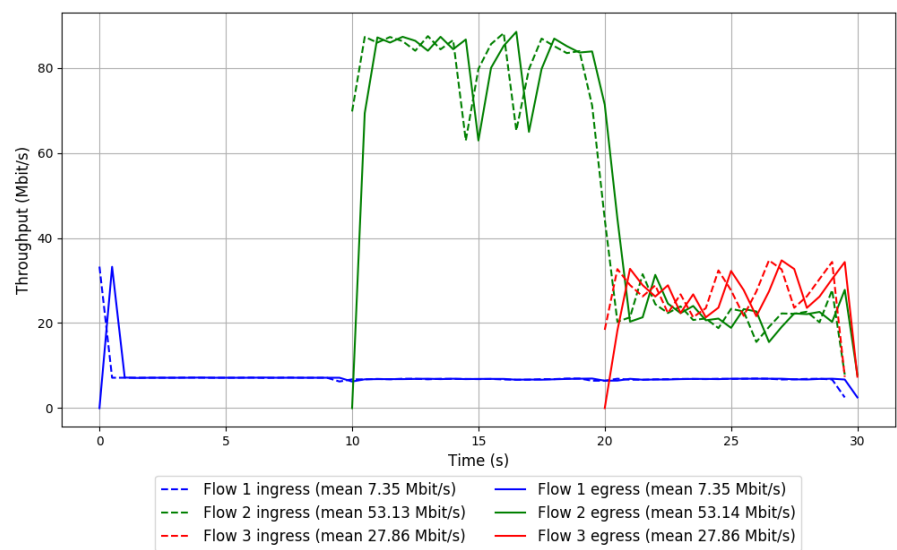
-- Flow 3:

Average throughput: 27.86 Mbit/s

95th percentile per-packet one-way delay: 2.828 ms

Loss rate: 0.03%

Run 3: Report of Muses_DecisionTreeH0 — Data Link



Run 4: Statistics of Muses_DecisionTreeH0

Start at: 2019-11-24 17:12:10

End at: 2019-11-24 17:12:40

Local clock offset: -0.174 ms

Remote clock offset: 0.416 ms

Below is generated by plot.py at 2019-11-24 18:14:30

Datalink statistics

-- Total of 3 flows:

Average throughput: 31.55 Mbit/s

95th percentile per-packet one-way delay: 2.645 ms

Loss rate: 0.03%

-- Flow 1:

Average throughput: 5.81 Mbit/s

95th percentile per-packet one-way delay: 2.464 ms

Loss rate: 0.01%

-- Flow 2:

Average throughput: 16.15 Mbit/s

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

Loss rate: 0.01%

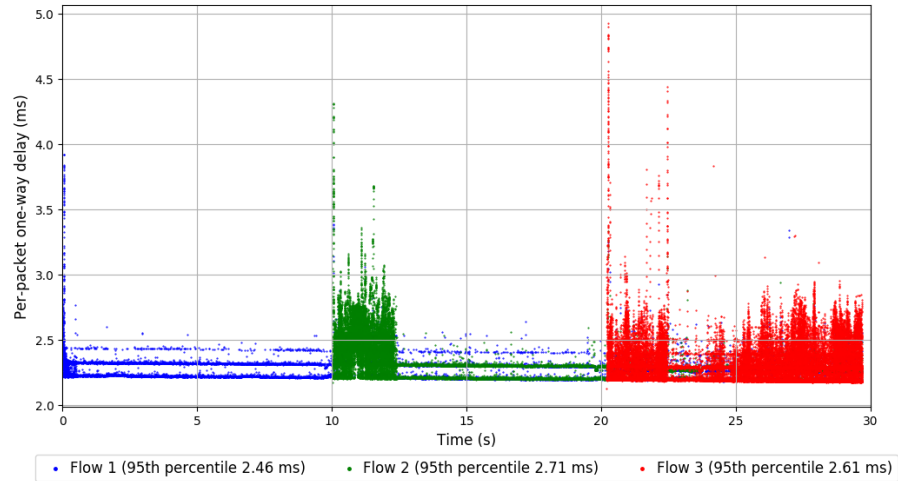
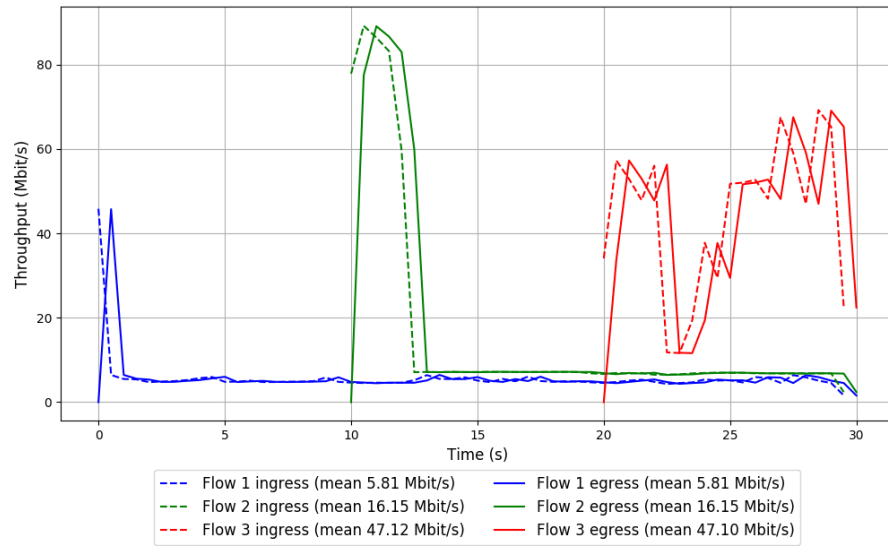
-- Flow 3:

Average throughput: 47.10 Mbit/s

95th percentile per-packet one-way delay: 2.614 ms

Loss rate: 0.05%

Run 4: Report of Muses_DecisionTreeH0 — Data Link



Run 5: Statistics of Muses_DecisionTreeH0

Start at: 2019-11-24 17:39:34

End at: 2019-11-24 17:40:04

Local clock offset: 0.153 ms

Remote clock offset: 0.463 ms

Below is generated by plot.py at 2019-11-24 18:14:30

Datalink statistics

-- Total of 3 flows:

Average throughput: 37.57 Mbit/s

95th percentile per-packet one-way delay: 2.171 ms

Loss rate: 0.03%

-- Flow 1:

Average throughput: 9.80 Mbit/s

95th percentile per-packet one-way delay: 2.041 ms

Loss rate: 0.01%

-- Flow 2:

Average throughput: 8.38 Mbit/s

95th percentile per-packet one-way delay: 2.072 ms

Loss rate: 0.01%

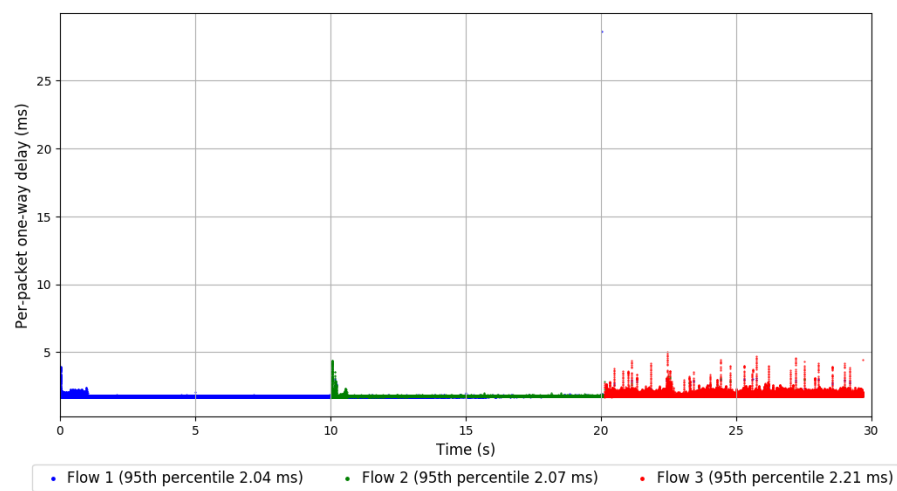
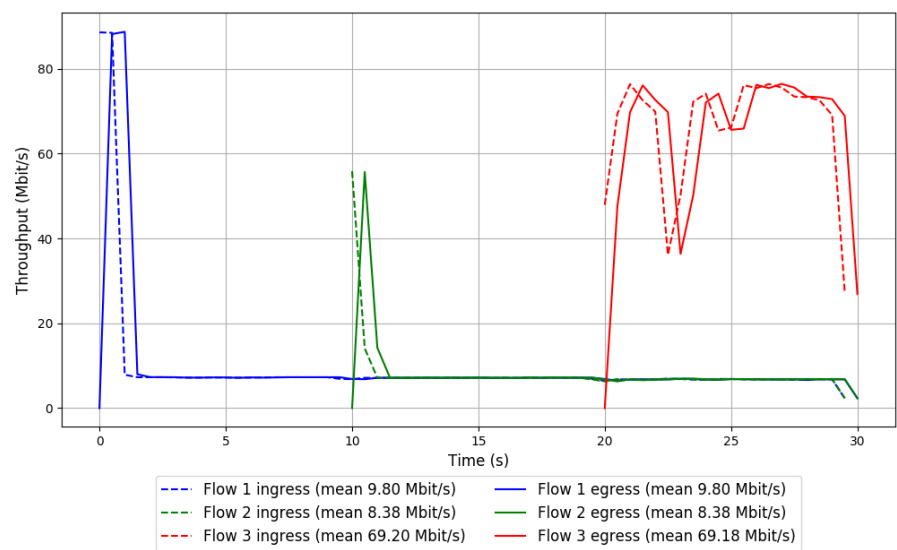
-- Flow 3:

Average throughput: 69.18 Mbit/s

95th percentile per-packet one-way delay: 2.212 ms

Loss rate: 0.04%

Run 5: Report of Muses_DecisionTreeH0 — Data Link

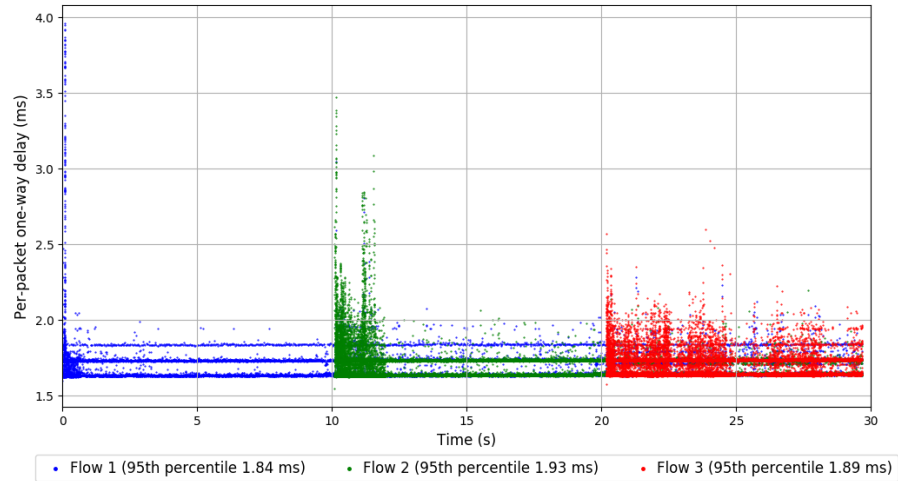
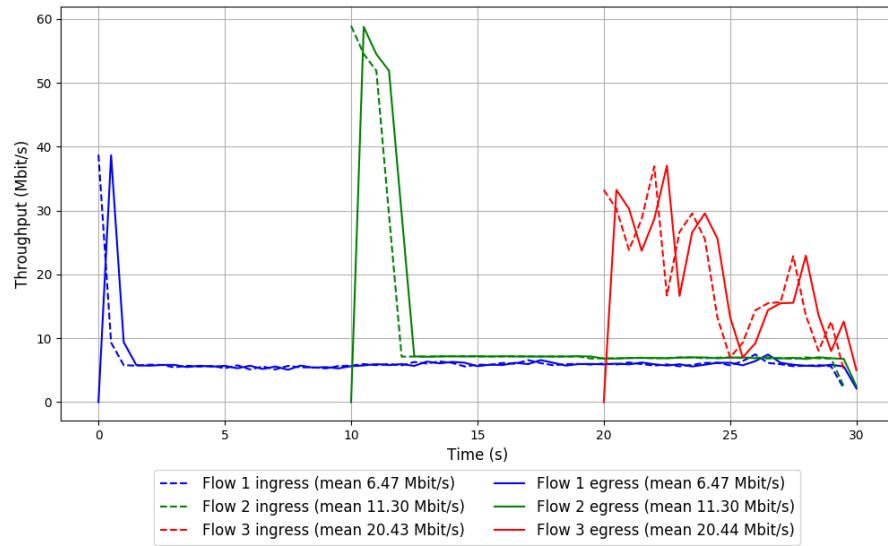


```
Run 1: Statistics of Muses\_DecisionTreeR0

Start at: 2019-11-24 15:47:41
End at: 2019-11-24 15:48:11
Local clock offset: -0.466 ms
Remote clock offset: -0.446 ms

# Below is generated by plot.py at 2019-11-24 18:14:30
# Datalink statistics
-- Total of 3 flows:
Average throughput: 20.47 Mbit/s
95th percentile per-packet one-way delay: 1.882 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 6.47 Mbit/s
95th percentile per-packet one-way delay: 1.839 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 11.30 Mbit/s
95th percentile per-packet one-way delay: 1.931 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 20.44 Mbit/s
95th percentile per-packet one-way delay: 1.891 ms
Loss rate: 0.02%
```

Run 1: Report of Muses_DecisionTreeR0 — Data Link

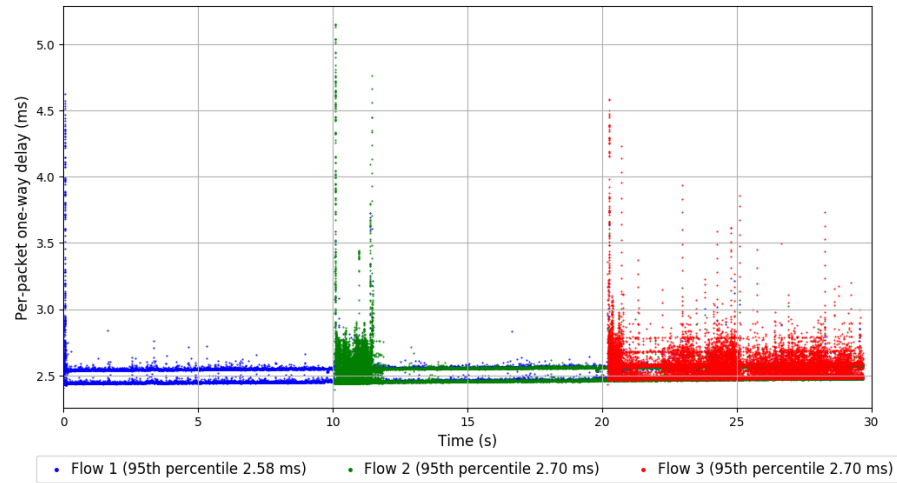
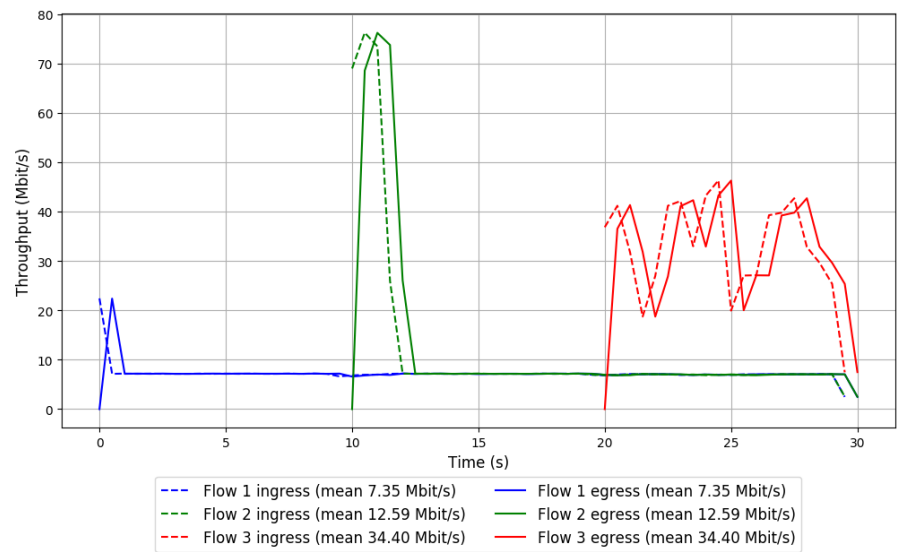


Run 2: Statistics of Muses_DecisionTreeR0

Start at: 2019-11-24 16:15:05
End at: 2019-11-24 16:15:35
Local clock offset: -0.248 ms
Remote clock offset: -0.282 ms

Below is generated by plot.py at 2019-11-24 18:14:37
Datalink statistics
-- Total of 3 flows:
Average throughput: 26.67 Mbit/s
95th percentile per-packet one-way delay: 2.680 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 7.35 Mbit/s
95th percentile per-packet one-way delay: 2.579 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 12.59 Mbit/s
95th percentile per-packet one-way delay: 2.699 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 34.40 Mbit/s
95th percentile per-packet one-way delay: 2.700 ms
Loss rate: 0.02%

Run 2: Report of Muses_DecisionTreeR0 — Data Link



Run 3: Statistics of Muses_DecisionTreeR0

Start at: 2019-11-24 16:42:31

End at: 2019-11-24 16:43:01

Local clock offset: -1.494 ms

Remote clock offset: 0.167 ms

Below is generated by plot.py at 2019-11-24 18:14:37

Datalink statistics

-- Total of 3 flows:

Average throughput: 14.86 Mbit/s

95th percentile per-packet one-way delay: 1.766 ms

Loss rate: 0.01%

-- Flow 1:

Average throughput: 6.17 Mbit/s

95th percentile per-packet one-way delay: 1.762 ms

Loss rate: 0.01%

-- Flow 2:

Average throughput: 10.37 Mbit/s

95th percentile per-packet one-way delay: 1.795 ms

Loss rate: 0.01%

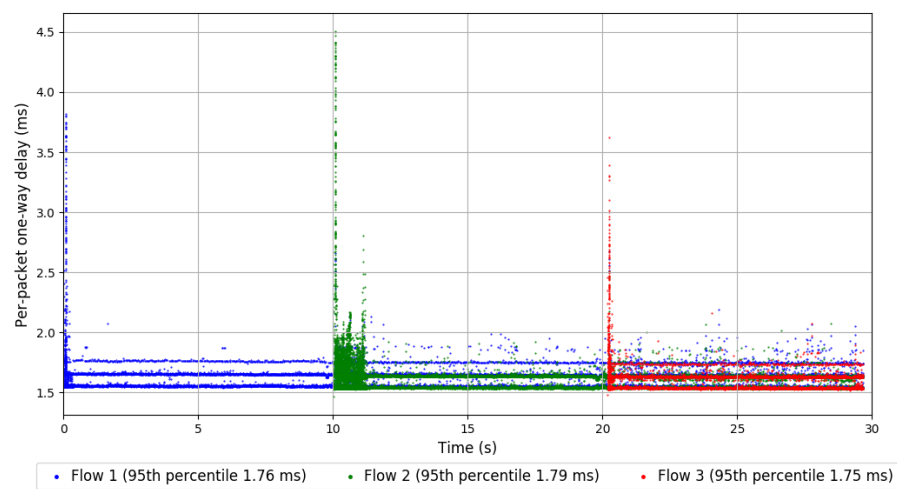
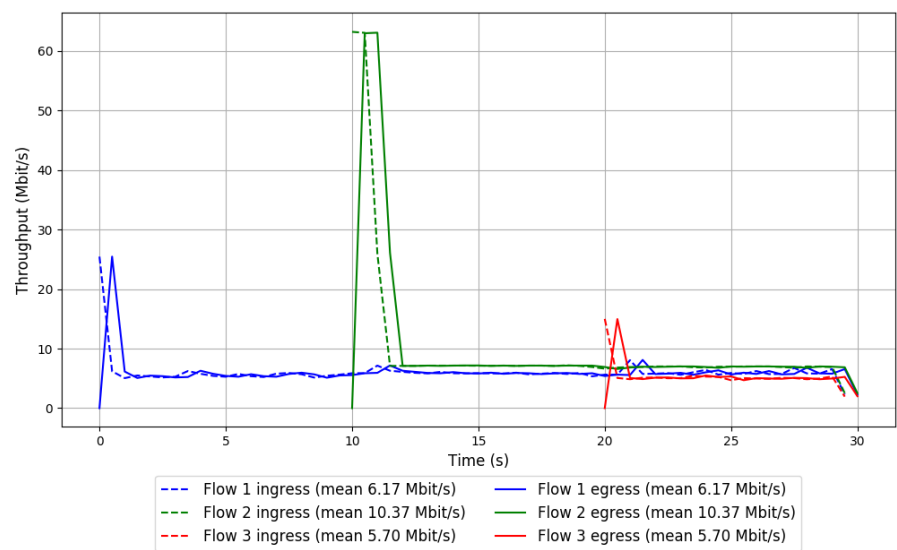
-- Flow 3:

Average throughput: 5.70 Mbit/s

95th percentile per-packet one-way delay: 1.746 ms

Loss rate: 0.00%

Run 3: Report of Muses_DecisionTreeR0 — Data Link



Run 4: Statistics of Muses_DecisionTreeR0

Start at: 2019-11-24 17:09:56

End at: 2019-11-24 17:10:26

Local clock offset: -1.103 ms

Remote clock offset: 0.32 ms

Below is generated by plot.py at 2019-11-24 18:14:37

Datalink statistics

-- Total of 3 flows:

Average throughput: 16.15 Mbit/s

95th percentile per-packet one-way delay: 1.818 ms

Loss rate: 0.02%

-- Flow 1:

Average throughput: 6.04 Mbit/s

95th percentile per-packet one-way delay: 1.791 ms

Loss rate: 0.02%

-- Flow 2:

Average throughput: 5.36 Mbit/s

95th percentile per-packet one-way delay: 1.786 ms

Loss rate: 0.02%

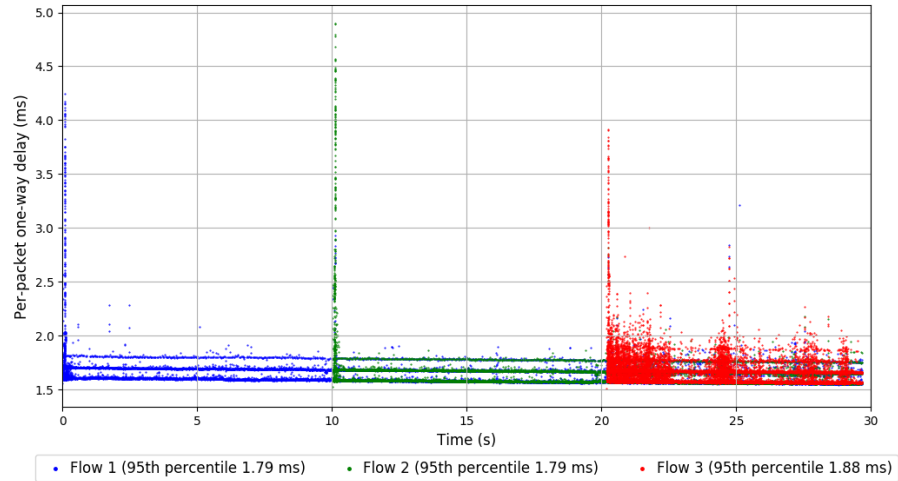
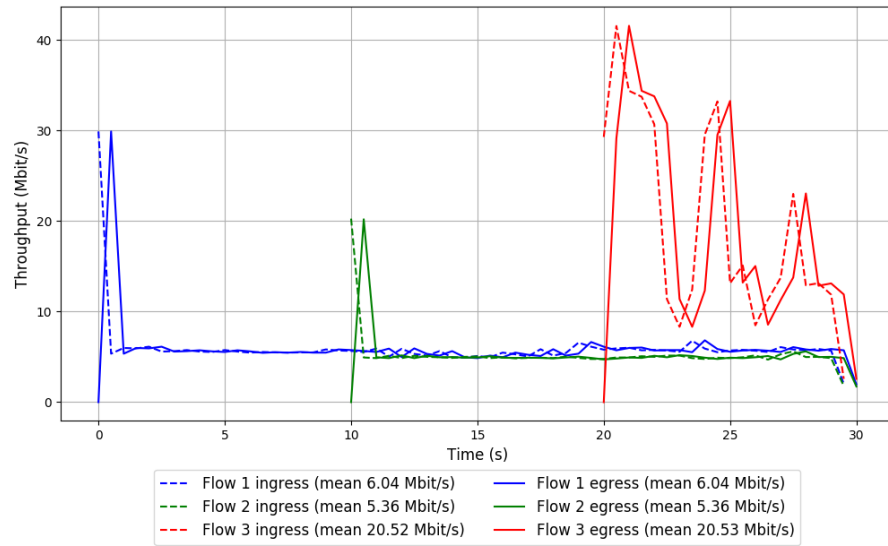
-- Flow 3:

Average throughput: 20.53 Mbit/s

95th percentile per-packet one-way delay: 1.878 ms

Loss rate: 0.01%

Run 4: Report of Muses_DecisionTreeR0 — Data Link



Run 5: Statistics of Muses_DecisionTreeR0

Start at: 2019-11-24 17:37:20

End at: 2019-11-24 17:37:50

Local clock offset: 0.934 ms

Remote clock offset: 0.452 ms

Below is generated by plot.py at 2019-11-24 18:14:38

Datalink statistics

-- Total of 3 flows:

Average throughput: 15.83 Mbit/s

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

Loss rate: 0.01%

-- Flow 1:

Average throughput: 9.74 Mbit/s

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

Loss rate: 0.01%

-- Flow 2:

Average throughput: 6.39 Mbit/s

95th percentile per-packet one-way delay: 2.650 ms

Loss rate: 0.02%

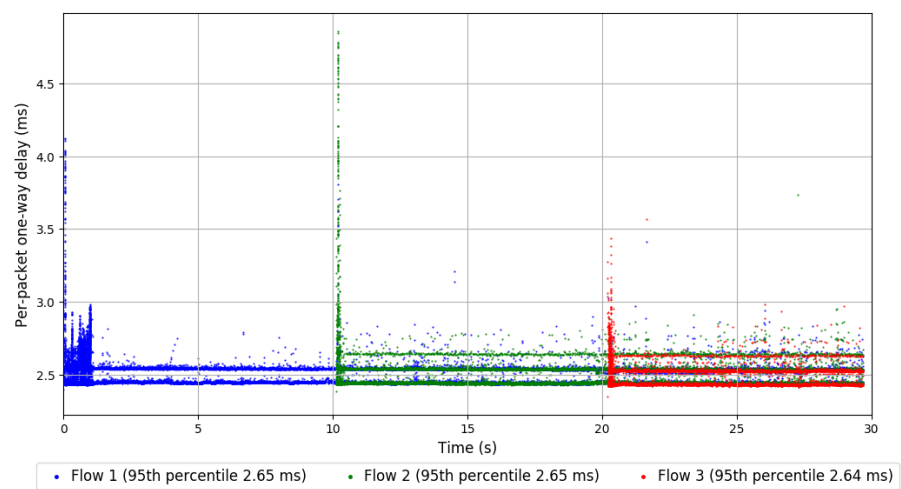
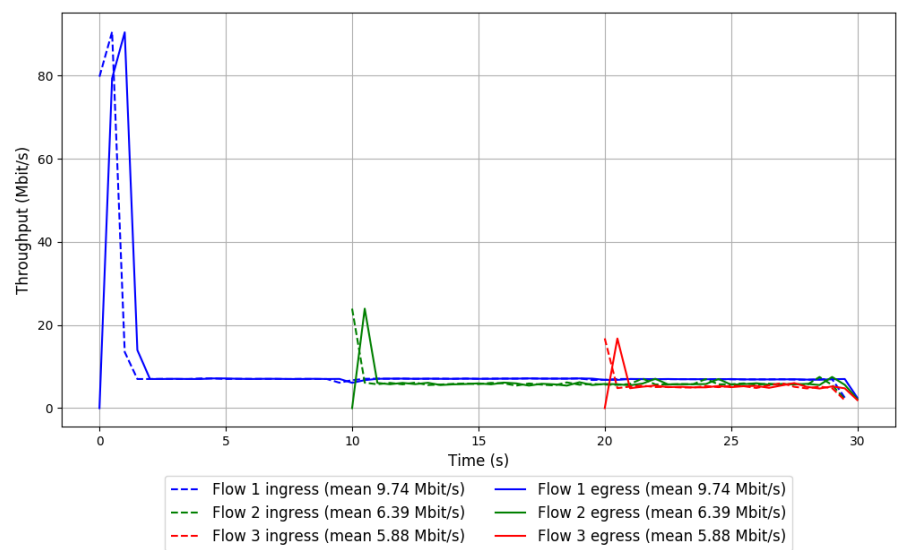
-- Flow 3:

Average throughput: 5.88 Mbit/s

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

Loss rate: 0.00%

Run 5: Report of Muses_DecisionTreeR0 — Data Link

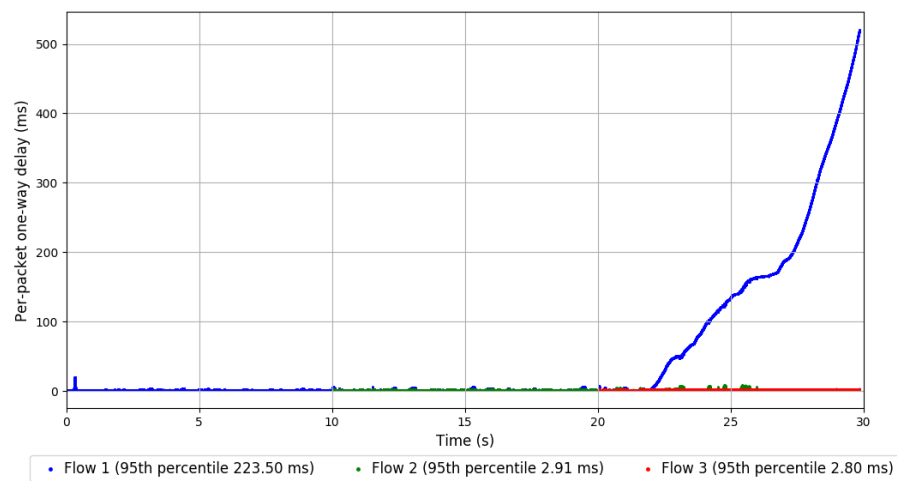
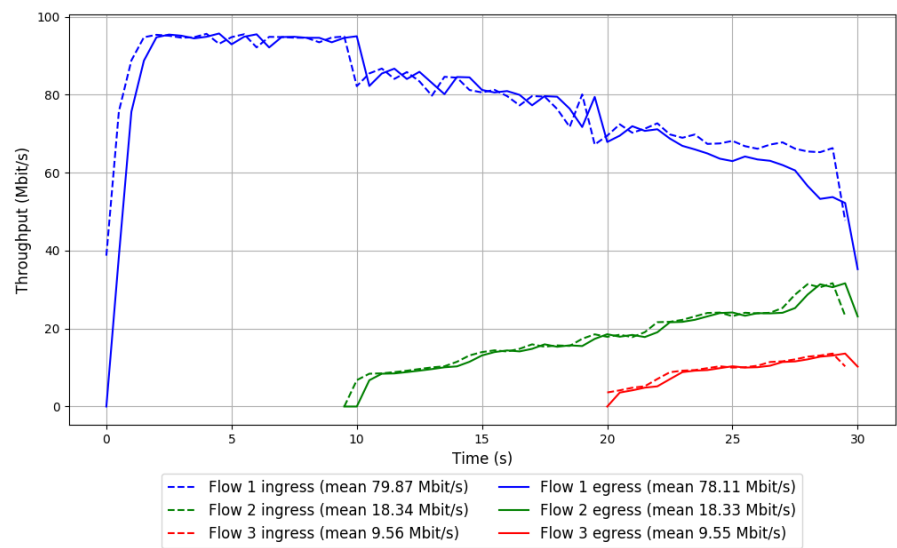


Run 1: Statistics of PCC-Allegro

Start at: 2019-11-24 16:01:20
End at: 2019-11-24 16:01:50
Local clock offset: -0.58 ms
Remote clock offset: -0.404 ms

Below is generated by plot.py at 2019-11-24 18:15:28
Datalink statistics
-- Total of 3 flows:
Average throughput: 93.44 Mbit/s
95th percentile per-packet one-way delay: 193.006 ms
Loss rate: 1.88%
-- Flow 1:
Average throughput: 78.11 Mbit/s
95th percentile per-packet one-way delay: 223.500 ms
Loss rate: 2.23%
-- Flow 2:
Average throughput: 18.33 Mbit/s
95th percentile per-packet one-way delay: 2.907 ms
Loss rate: 0.04%
-- Flow 3:
Average throughput: 9.55 Mbit/s
95th percentile per-packet one-way delay: 2.801 ms
Loss rate: 0.08%

Run 1: Report of PCC-Allegro — Data Link

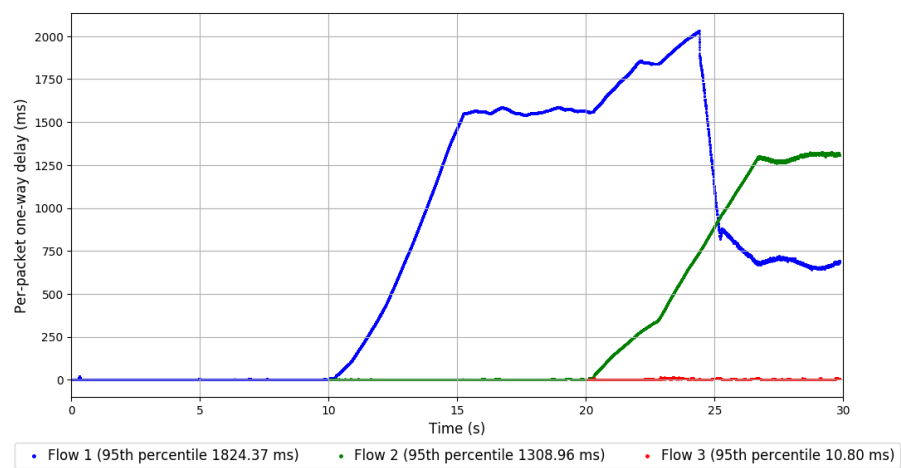
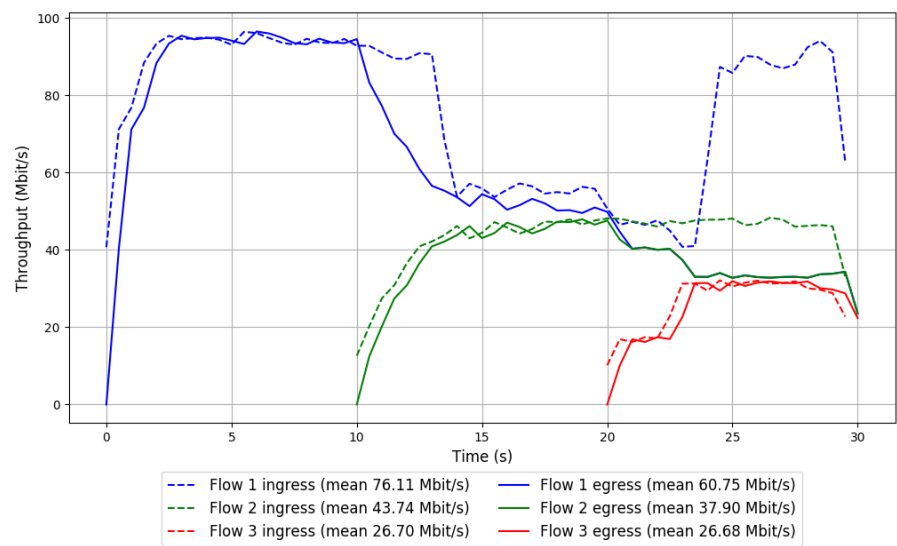


Run 2: Statistics of PCC-Allegro

Start at: 2019-11-24 16:28:46
End at: 2019-11-24 16:29:16
Local clock offset: -0.756 ms
Remote clock offset: -0.063 ms

Below is generated by plot.py at 2019-11-24 18:15:32
Datalink statistics
-- Total of 3 flows:
Average throughput: 94.73 Mbit/s
95th percentile per-packet one-way delay: 1643.828 ms
Loss rate: 16.89%
-- Flow 1:
Average throughput: 60.75 Mbit/s
95th percentile per-packet one-way delay: 1824.367 ms
Loss rate: 20.18%
-- Flow 2:
Average throughput: 37.90 Mbit/s
95th percentile per-packet one-way delay: 1308.963 ms
Loss rate: 13.36%
-- Flow 3:
Average throughput: 26.68 Mbit/s
95th percentile per-packet one-way delay: 10.800 ms
Loss rate: 0.13%

Run 2: Report of PCC-Allegro — Data Link



Run 3: Statistics of PCC-Allegro

Start at: 2019-11-24 16:56:13

End at: 2019-11-24 16:56:43

Local clock offset: -1.299 ms

Remote clock offset: 0.19 ms

Below is generated by plot.py at 2019-11-24 18:15:32

Datalink statistics

-- Total of 3 flows:

Average throughput: 90.91 Mbit/s

95th percentile per-packet one-way delay: 1695.103 ms

Loss rate: 7.12%

-- Flow 1:

Average throughput: 59.02 Mbit/s

95th percentile per-packet one-way delay: 1763.741 ms

Loss rate: 10.38%

-- Flow 2:

Average throughput: 40.04 Mbit/s

95th percentile per-packet one-way delay: 122.681 ms

Loss rate: 0.50%

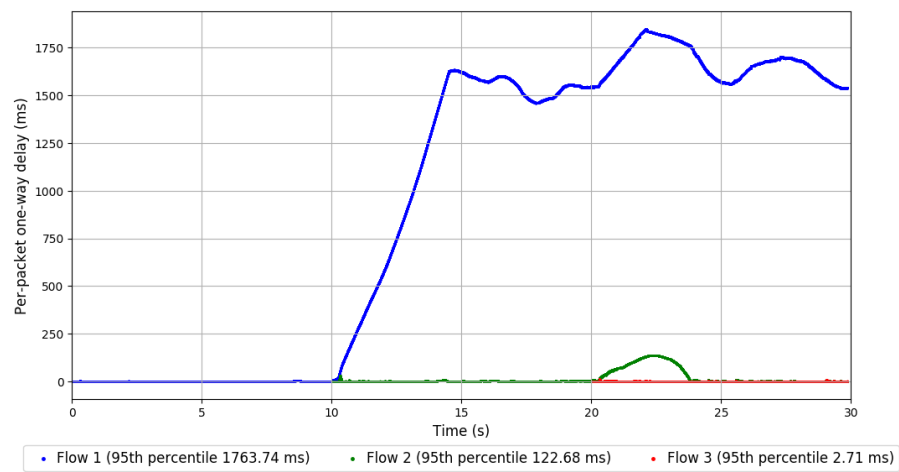
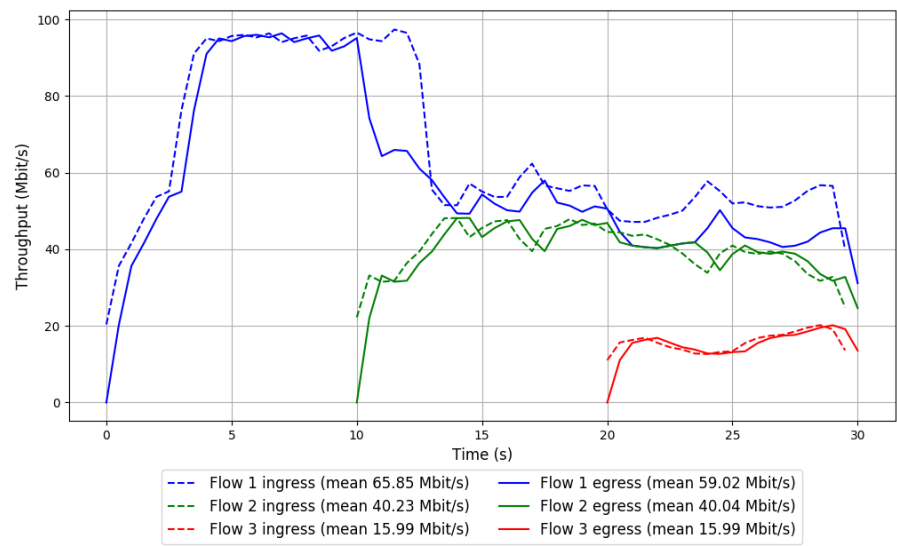
-- Flow 3:

Average throughput: 15.99 Mbit/s

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

Loss rate: 0.05%

Run 3: Report of PCC-Allegro — Data Link



Run 4: Statistics of PCC-Allegro

Start at: 2019-11-24 17:23:36

End at: 2019-11-24 17:24:06

Local clock offset: 0.587 ms

Remote clock offset: 0.322 ms

Below is generated by plot.py at 2019-11-24 18:15:32

Datalink statistics

-- Total of 3 flows:

Average throughput: 95.23 Mbit/s

95th percentile per-packet one-way delay: 1615.507 ms

Loss rate: 12.97%

-- Flow 1:

Average throughput: 61.96 Mbit/s

95th percentile per-packet one-way delay: 1660.940 ms

Loss rate: 16.32%

-- Flow 2:

Average throughput: 37.74 Mbit/s

95th percentile per-packet one-way delay: 814.641 ms

Loss rate: 7.70%

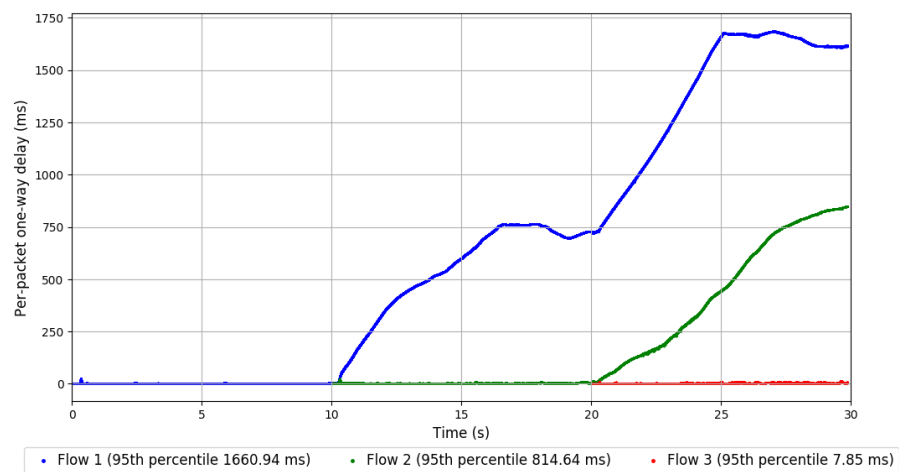
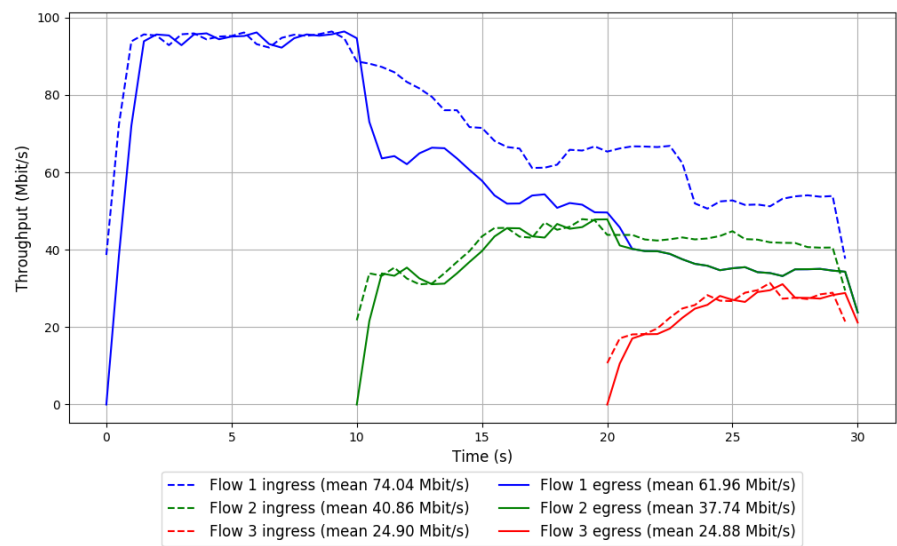
-- Flow 3:

Average throughput: 24.88 Mbit/s

95th percentile per-packet one-way delay: 7.847 ms

Loss rate: 0.14%

Run 4: Report of PCC-Allegro — Data Link



Run 5: Statistics of PCC-Allegro

Start at: 2019-11-24 17:51:00

End at: 2019-11-24 17:51:30

Local clock offset: -0.546 ms

Remote clock offset: 0.588 ms

Below is generated by plot.py at 2019-11-24 18:15:32

Datalink statistics

-- Total of 3 flows:

Average throughput: 93.83 Mbit/s

95th percentile per-packet one-way delay: 1719.070 ms

Loss rate: 3.95%

-- Flow 1:

Average throughput: 68.30 Mbit/s

95th percentile per-packet one-way delay: 2075.675 ms

Loss rate: 5.32%

-- Flow 2:

Average throughput: 24.82 Mbit/s

95th percentile per-packet one-way delay: 8.096 ms

Loss rate: 0.07%

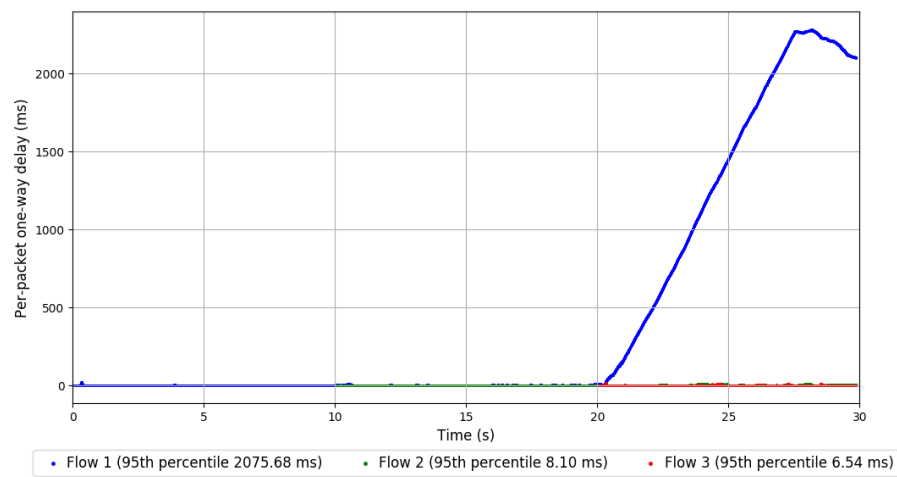
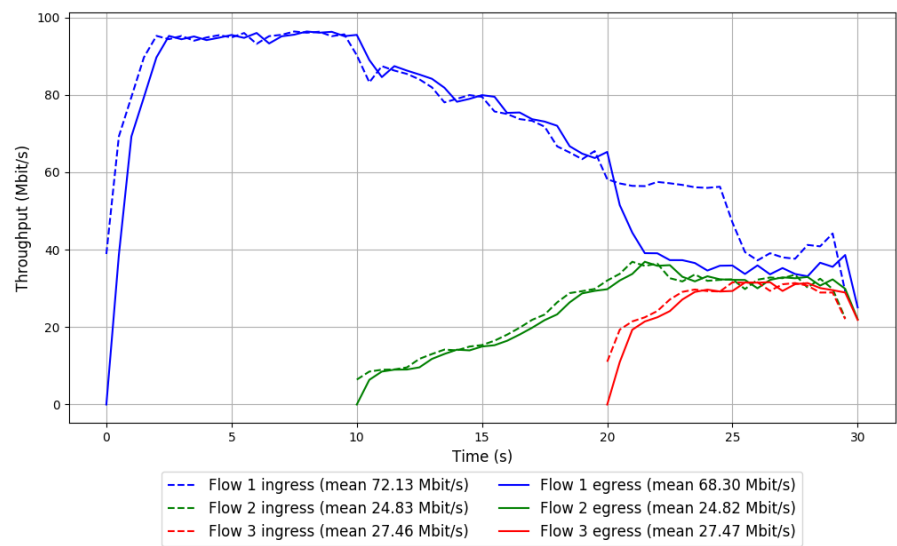
-- Flow 3:

Average throughput: 27.47 Mbit/s

95th percentile per-packet one-way delay: 6.539 ms

Loss rate: 0.07%

Run 5: Report of PCC-Allegro — Data Link

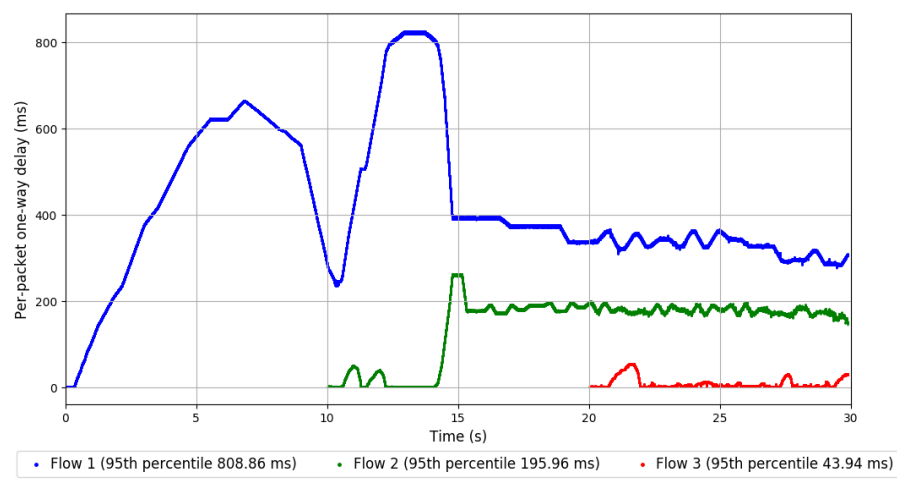
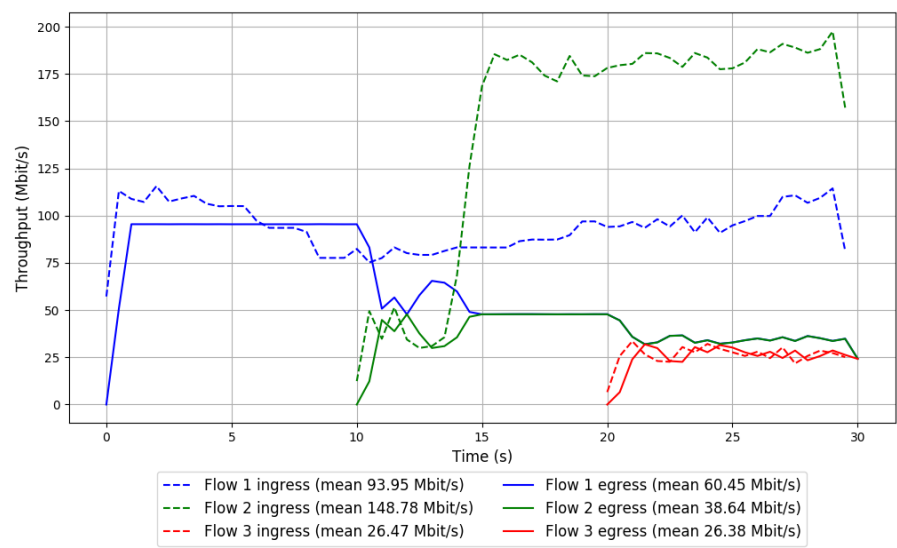


Run 1: Statistics of PCC-Expr

Start at: 2019-11-24 16:12:41
End at: 2019-11-24 16:13:11
Local clock offset: -0.823 ms
Remote clock offset: -0.226 ms

Below is generated by plot.py at 2019-11-24 18:17:04
Datalink statistics
-- Total of 3 flows:
Average throughput: 94.85 Mbit/s
95th percentile per-packet one-way delay: 733.334 ms
Loss rate: 52.98%
-- Flow 1:
Average throughput: 60.45 Mbit/s
95th percentile per-packet one-way delay: 808.860 ms
Loss rate: 35.67%
-- Flow 2:
Average throughput: 38.64 Mbit/s
95th percentile per-packet one-way delay: 195.957 ms
Loss rate: 74.04%
-- Flow 3:
Average throughput: 26.38 Mbit/s
95th percentile per-packet one-way delay: 43.937 ms
Loss rate: 0.40%

Run 1: Report of PCC-Expr — Data Link



Run 2: Statistics of PCC-Expr

Start at: 2019-11-24 16:40:09

End at: 2019-11-24 16:40:39

Local clock offset: -1.613 ms

Remote clock offset: 0.004 ms

Below is generated by plot.py at 2019-11-24 18:17:04

Datalink statistics

-- Total of 3 flows:

Average throughput: 89.55 Mbit/s

95th percentile per-packet one-way delay: 593.345 ms

Loss rate: 16.75%

-- Flow 1:

Average throughput: 54.32 Mbit/s

95th percentile per-packet one-way delay: 539.118 ms

Loss rate: 8.59%

-- Flow 2:

Average throughput: 38.51 Mbit/s

95th percentile per-packet one-way delay: 622.676 ms

Loss rate: 31.67%

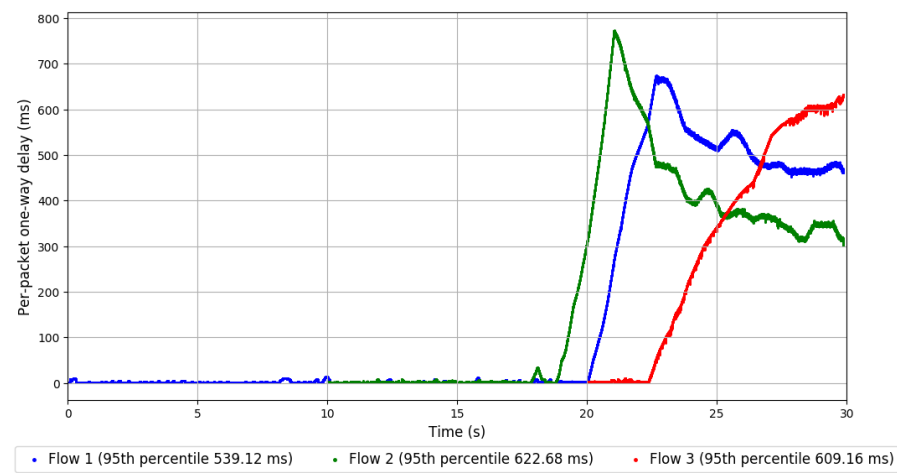
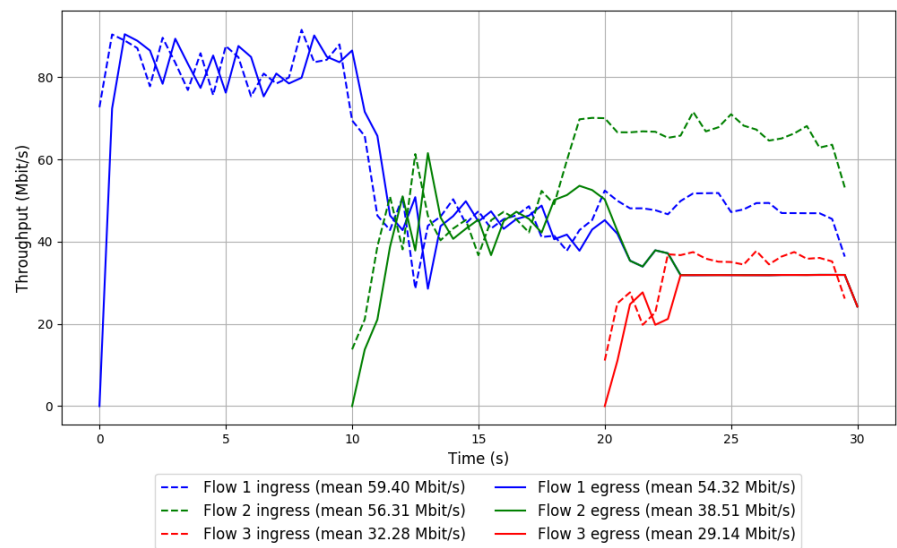
-- Flow 3:

Average throughput: 29.14 Mbit/s

95th percentile per-packet one-way delay: 609.156 ms

Loss rate: 9.78%

Run 2: Report of PCC-Expr — Data Link



Run 3: Statistics of PCC-Expr

Start at: 2019-11-24 17:07:34

End at: 2019-11-24 17:08:04

Local clock offset: -0.487 ms

Remote clock offset: 0.323 ms

Below is generated by plot.py at 2019-11-24 18:17:04

Datalink statistics

-- Total of 3 flows:

Average throughput: 91.91 Mbit/s

95th percentile per-packet one-way delay: 647.728 ms

Loss rate: 33.65%

-- Flow 1:

Average throughput: 57.18 Mbit/s

95th percentile per-packet one-way delay: 652.588 ms

Loss rate: 41.53%

-- Flow 2:

Average throughput: 37.19 Mbit/s

95th percentile per-packet one-way delay: 595.470 ms

Loss rate: 17.62%

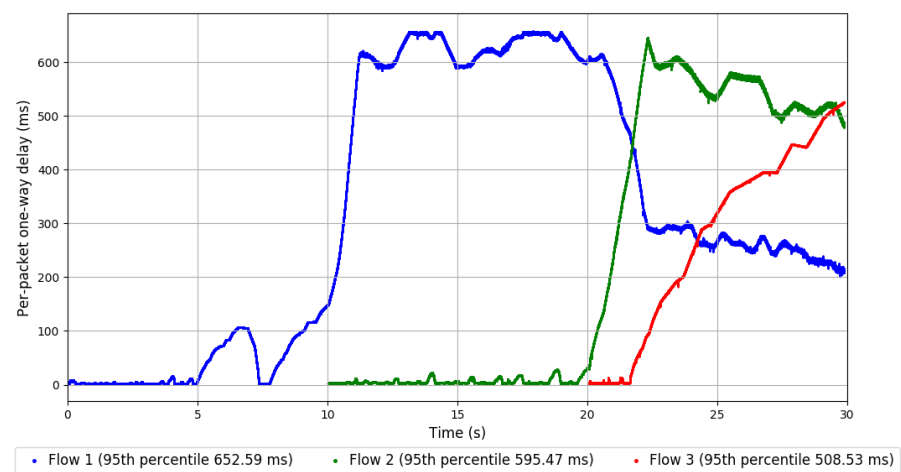
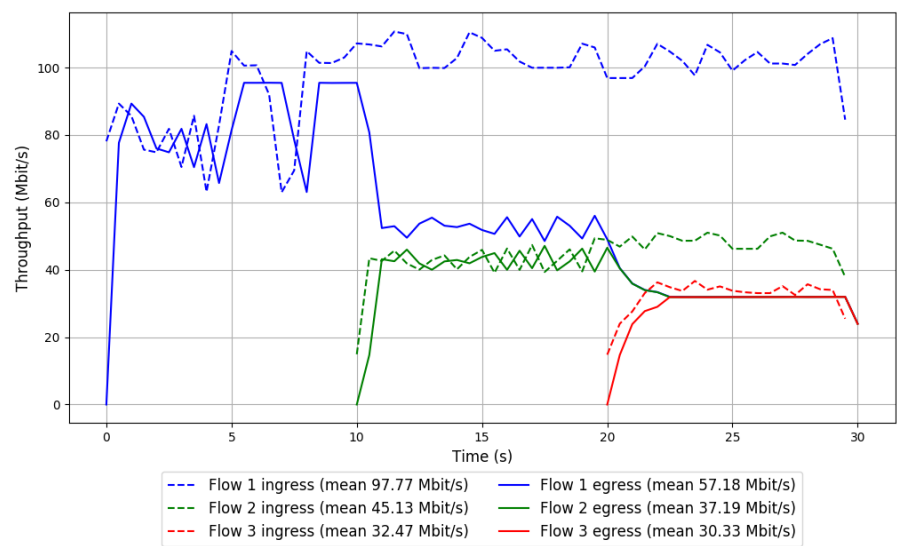
-- Flow 3:

Average throughput: 30.33 Mbit/s

95th percentile per-packet one-way delay: 508.528 ms

Loss rate: 6.66%

Run 3: Report of PCC-Expr — Data Link



Run 4: Statistics of PCC-Expr

Start at: 2019-11-24 17:34:59

End at: 2019-11-24 17:35:29

Local clock offset: 0.134 ms

Remote clock offset: 0.459 ms

Below is generated by plot.py at 2019-11-24 18:17:27

Datalink statistics

-- Total of 3 flows:

Average throughput: 88.61 Mbit/s

95th percentile per-packet one-way delay: 793.727 ms

Loss rate: 15.44%

-- Flow 1:

Average throughput: 52.51 Mbit/s

95th percentile per-packet one-way delay: 820.528 ms

Loss rate: 3.67%

-- Flow 2:

Average throughput: 40.91 Mbit/s

95th percentile per-packet one-way delay: 742.099 ms

Loss rate: 34.22%

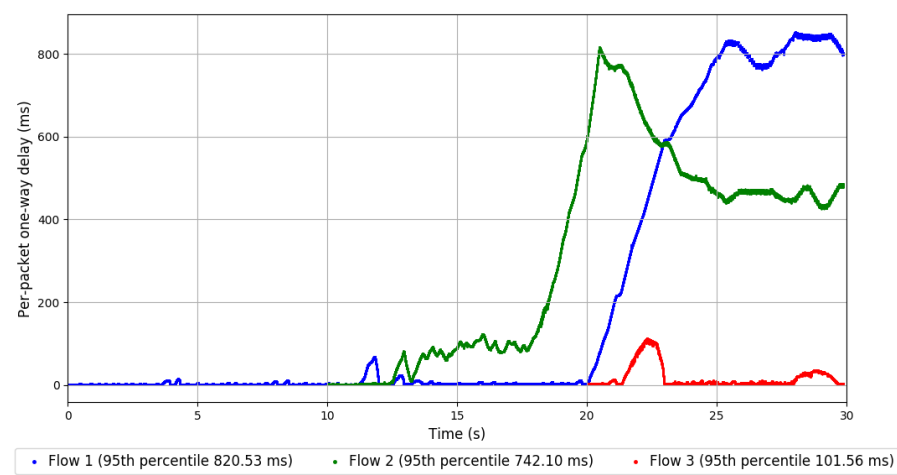
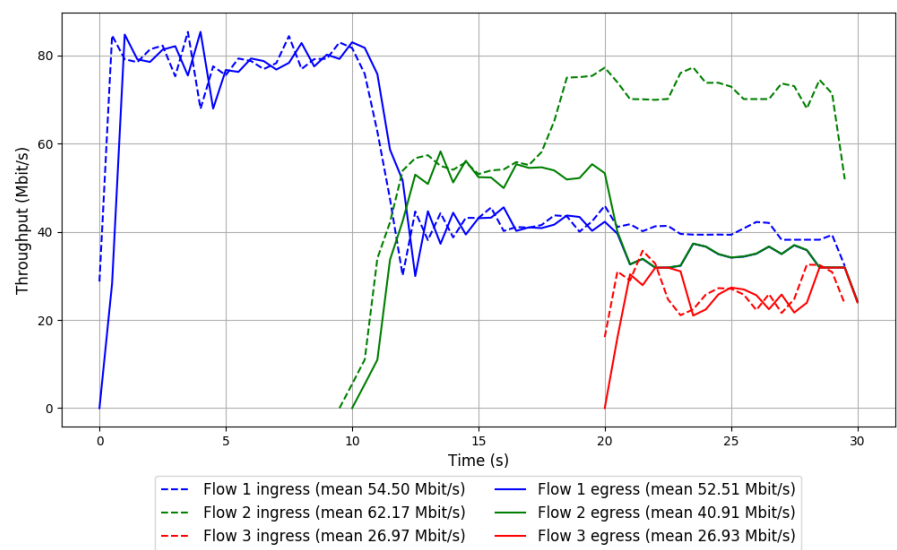
-- Flow 3:

Average throughput: 26.93 Mbit/s

95th percentile per-packet one-way delay: 101.559 ms

Loss rate: 0.21%

Run 4: Report of PCC-Expr — Data Link



Run 5: Statistics of PCC-Expr

Start at: 2019-11-24 18:02:23

End at: 2019-11-24 18:02:53

Local clock offset: -0.661 ms

Remote clock offset: 0.584 ms

Below is generated by plot.py at 2019-11-24 18:17:40

Datalink statistics

-- Total of 3 flows:

Average throughput: 92.61 Mbit/s

95th percentile per-packet one-way delay: 731.578 ms

Loss rate: 25.33%

-- Flow 1:

Average throughput: 58.93 Mbit/s

95th percentile per-packet one-way delay: 733.565 ms

Loss rate: 34.22%

-- Flow 2:

Average throughput: 36.96 Mbit/s

95th percentile per-packet one-way delay: 508.816 ms

Loss rate: 2.97%

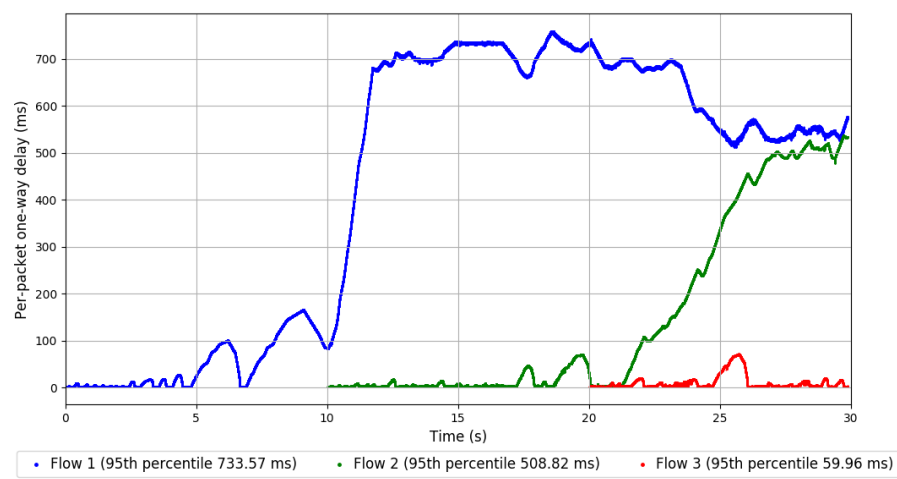
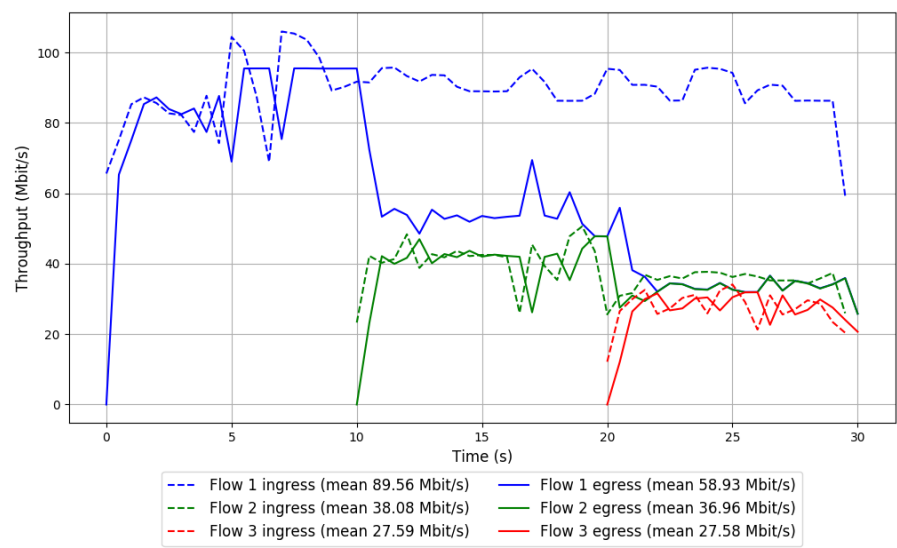
-- Flow 3:

Average throughput: 27.58 Mbit/s

95th percentile per-packet one-way delay: 59.957 ms

Loss rate: 0.09%

Run 5: Report of PCC-Expr — Data Link

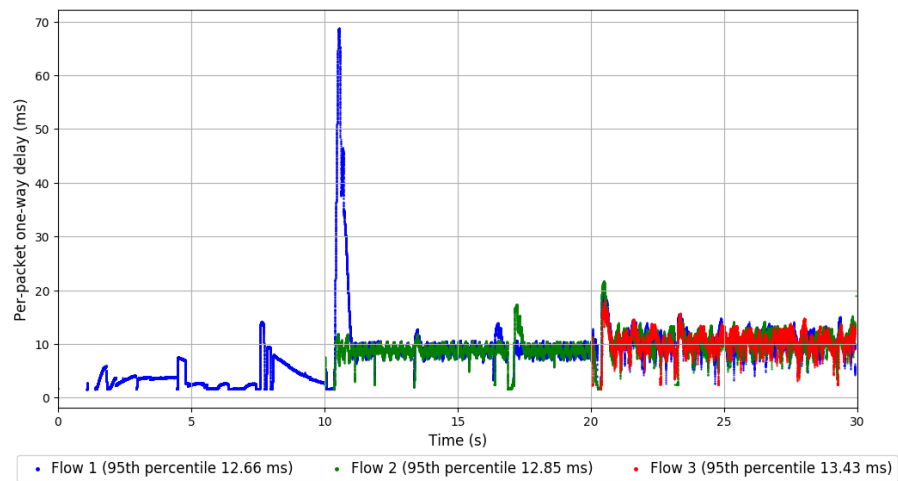
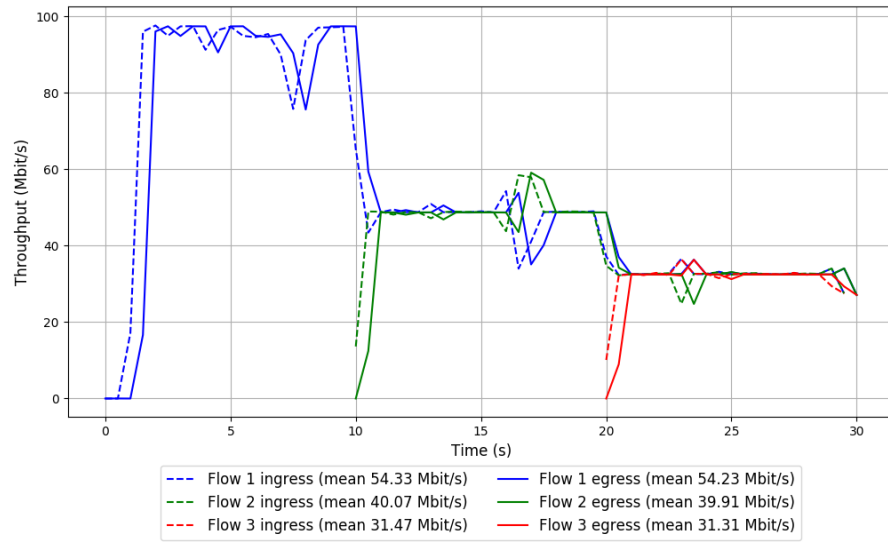


Run 1: Statistics of QUIC Cubic

Start at: 2019-11-24 15:55:39
End at: 2019-11-24 15:56:09
Local clock offset: -0.521 ms
Remote clock offset: -0.419 ms

Below is generated by plot.py at 2019-11-24 18:17:40
Datalink statistics
-- Total of 3 flows:
Average throughput: 91.14 Mbit/s
95th percentile per-packet one-way delay: 12.930 ms
Loss rate: 0.28%
-- Flow 1:
Average throughput: 54.23 Mbit/s
95th percentile per-packet one-way delay: 12.658 ms
Loss rate: 0.18%
-- Flow 2:
Average throughput: 39.91 Mbit/s
95th percentile per-packet one-way delay: 12.854 ms
Loss rate: 0.38%
-- Flow 3:
Average throughput: 31.31 Mbit/s
95th percentile per-packet one-way delay: 13.430 ms
Loss rate: 0.52%

Run 1: Report of QUIC Cubic — Data Link

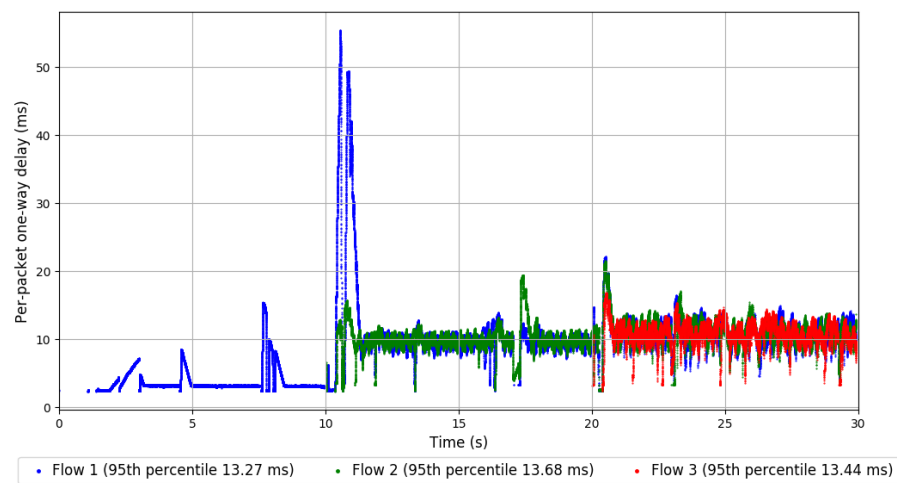
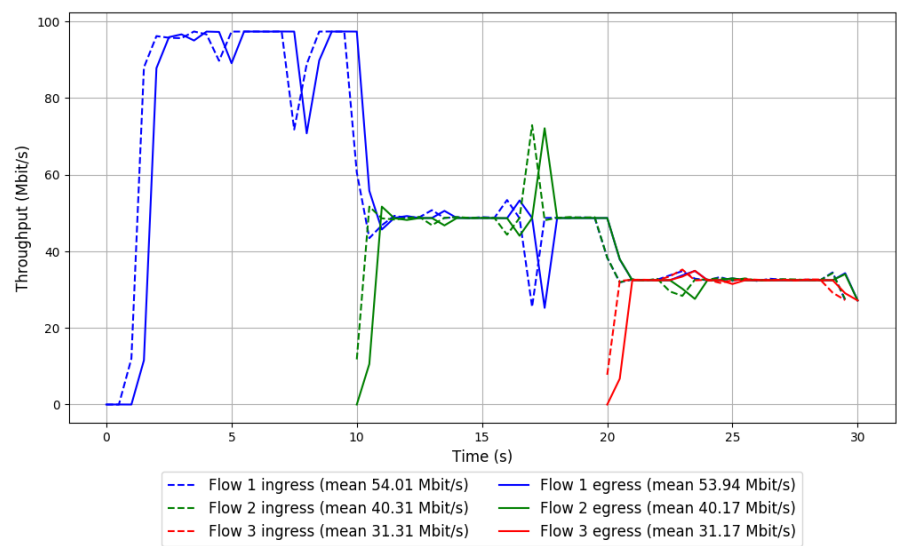


Run 2: Statistics of QUIC Cubic

Start at: 2019-11-24 16:23:05
End at: 2019-11-24 16:23:35
Local clock offset: -0.607 ms
Remote clock offset: -0.215 ms

Below is generated by plot.py at 2019-11-24 18:17:40
Datalink statistics
-- Total of 3 flows:
Average throughput: 90.98 Mbit/s
95th percentile per-packet one-way delay: 13.436 ms
Loss rate: 0.25%
-- Flow 1:
Average throughput: 53.94 Mbit/s
95th percentile per-packet one-way delay: 13.269 ms
Loss rate: 0.15%
-- Flow 2:
Average throughput: 40.17 Mbit/s
95th percentile per-packet one-way delay: 13.681 ms
Loss rate: 0.35%
-- Flow 3:
Average throughput: 31.17 Mbit/s
95th percentile per-packet one-way delay: 13.437 ms
Loss rate: 0.47%

Run 2: Report of QUIC Cubic — Data Link



Run 3: Statistics of QUIC Cubic

Start at: 2019-11-24 16:50:32

End at: 2019-11-24 16:51:02

Local clock offset: -0.617 ms

Remote clock offset: 0.127 ms

Below is generated by plot.py at 2019-11-24 18:17:40

Datalink statistics

-- Total of 3 flows:

Average throughput: 91.40 Mbit/s

95th percentile per-packet one-way delay: 13.359 ms

Loss rate: 0.25%

-- Flow 1:

Average throughput: 54.38 Mbit/s

95th percentile per-packet one-way delay: 13.292 ms

Loss rate: 0.18%

-- Flow 2:

Average throughput: 40.21 Mbit/s

95th percentile per-packet one-way delay: 13.279 ms

Loss rate: 0.30%

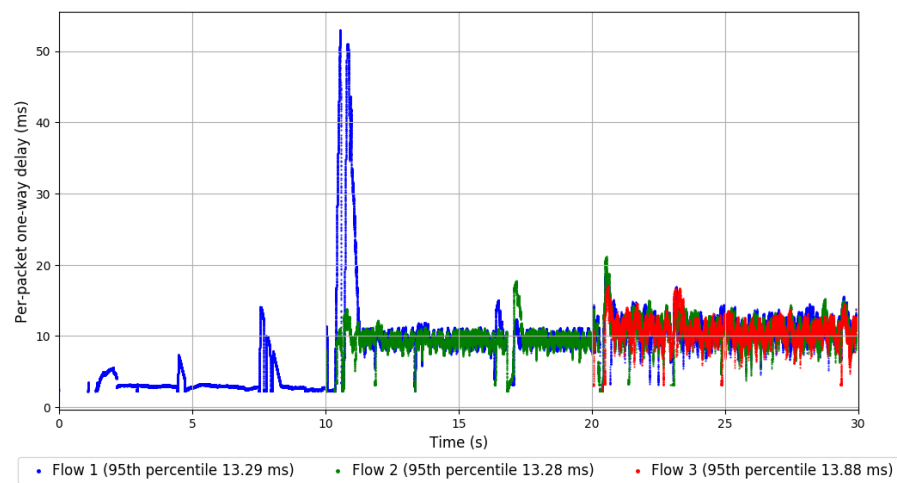
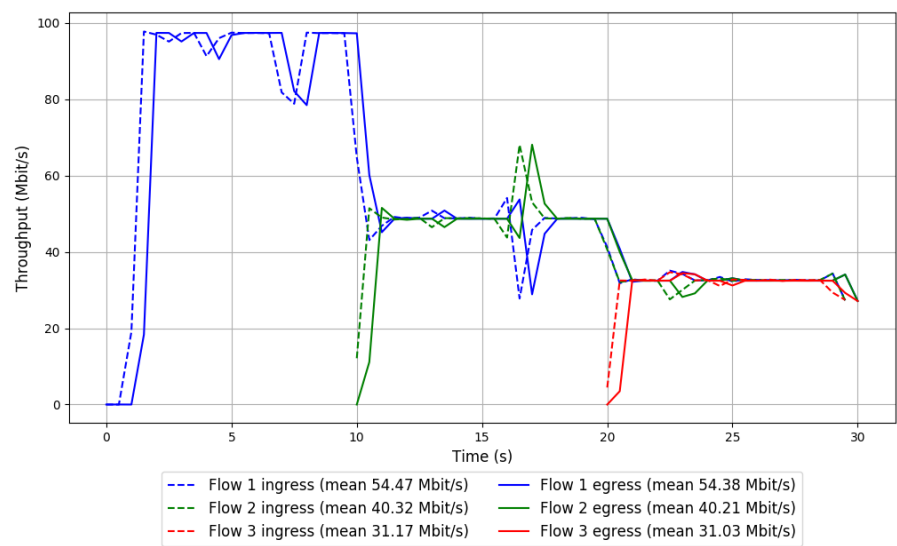
-- Flow 3:

Average throughput: 31.03 Mbit/s

95th percentile per-packet one-way delay: 13.884 ms

Loss rate: 0.50%

Run 3: Report of QUIC Cubic — Data Link



Run 4: Statistics of QUIC Cubic

Start at: 2019-11-24 17:17:56

End at: 2019-11-24 17:18:26

Local clock offset: -0.446 ms

Remote clock offset: 0.367 ms

Below is generated by plot.py at 2019-11-24 18:17:42

Datalink statistics

-- Total of 3 flows:

Average throughput: 91.14 Mbit/s

95th percentile per-packet one-way delay: 12.950 ms

Loss rate: 0.27%

-- Flow 1:

Average throughput: 54.14 Mbit/s

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

Loss rate: 0.18%

-- Flow 2:

Average throughput: 40.06 Mbit/s

95th percentile per-packet one-way delay: 12.923 ms

Loss rate: 0.36%

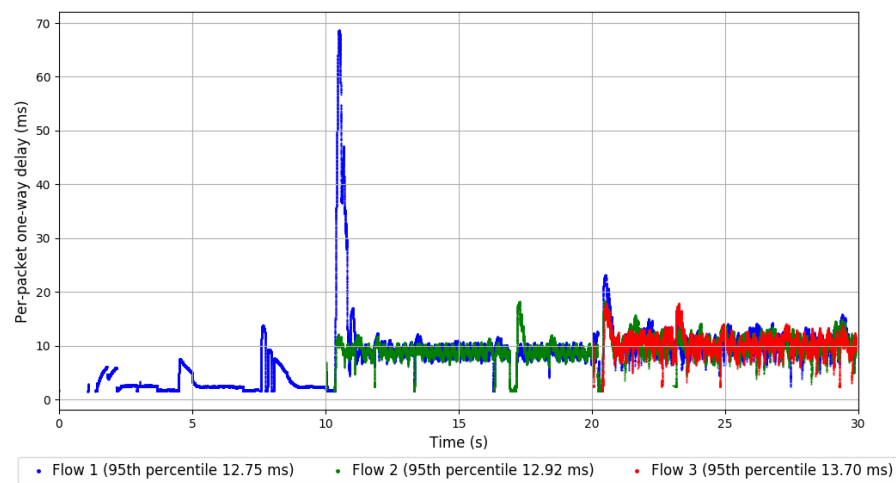
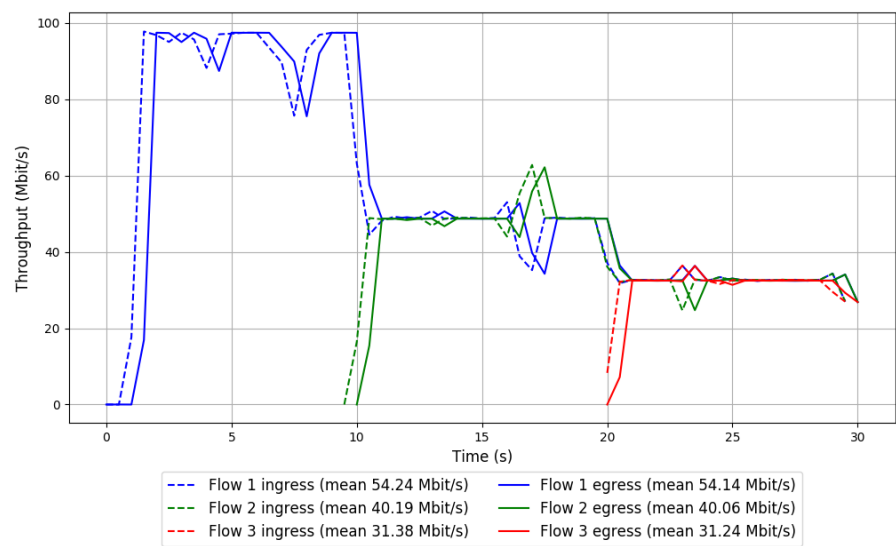
-- Flow 3:

Average throughput: 31.24 Mbit/s

95th percentile per-packet one-way delay: 13.696 ms

Loss rate: 0.51%

Run 4: Report of QUIC Cubic — Data Link



Run 5: Statistics of QUIC Cubic

Start at: 2019-11-24 17:45:20

End at: 2019-11-24 17:45:50

Local clock offset: -0.323 ms

Remote clock offset: 0.597 ms

Below is generated by plot.py at 2019-11-24 18:17:46

Datalink statistics

-- Total of 3 flows:

Average throughput: 92.02 Mbit/s

95th percentile per-packet one-way delay: 12.715 ms

Loss rate: 0.27%

-- Flow 1:

Average throughput: 55.00 Mbit/s

95th percentile per-packet one-way delay: 12.449 ms

Loss rate: 0.18%

-- Flow 2:

Average throughput: 40.15 Mbit/s

95th percentile per-packet one-way delay: 12.662 ms

Loss rate: 0.34%

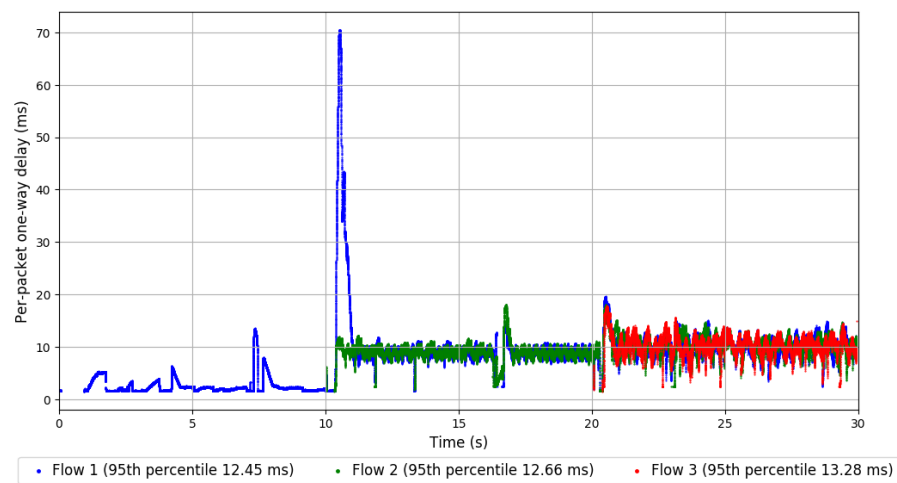
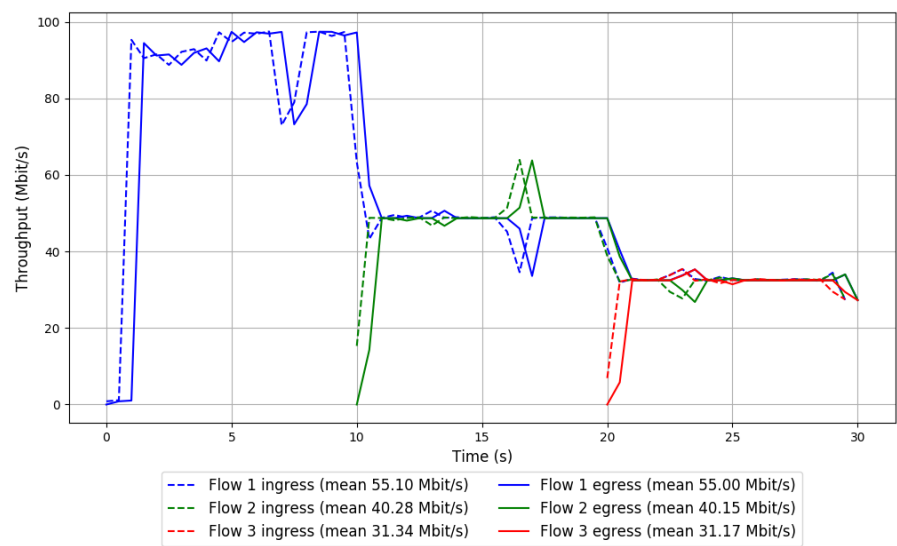
-- Flow 3:

Average throughput: 31.17 Mbit/s

95th percentile per-packet one-way delay: 13.279 ms

Loss rate: 0.51%

Run 5: Report of QUIC Cubic — Data Link

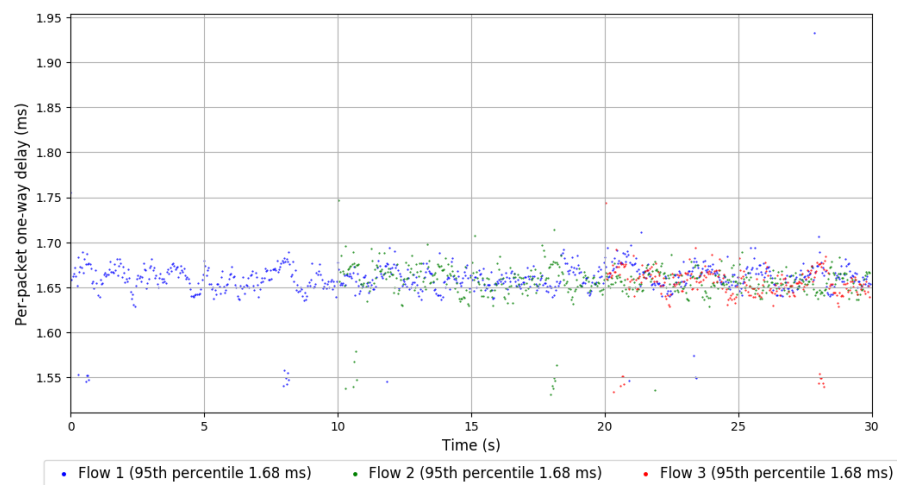
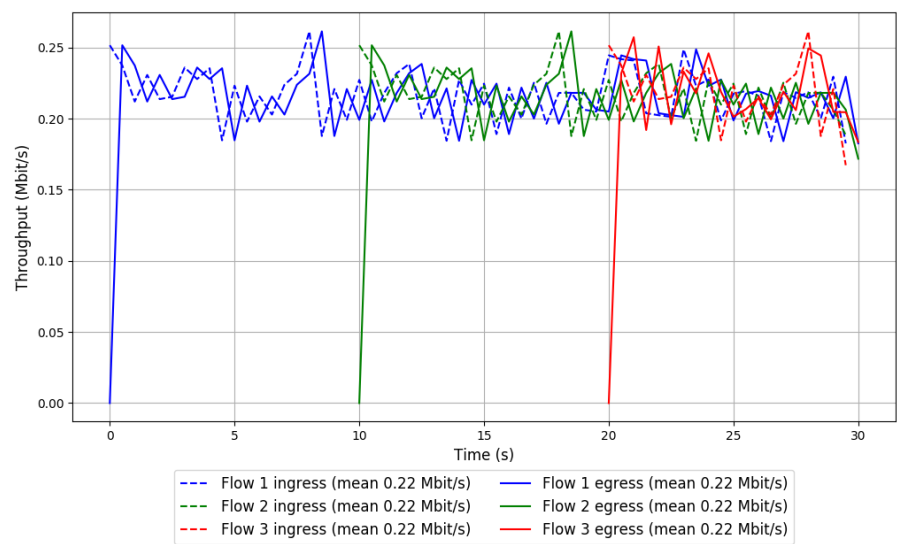


Run 1: Statistics of SReAM

Start at: 2019-11-24 16:04:43
End at: 2019-11-24 16:05:13
Local clock offset: -0.495 ms
Remote clock offset: -0.377 ms

Below is generated by plot.py at 2019-11-24 18:17:46
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 1.680 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 1.681 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 1.679 ms
Loss rate: 0.19%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 1.677 ms
Loss rate: 0.00%

Run 1: Report of SReAM — Data Link

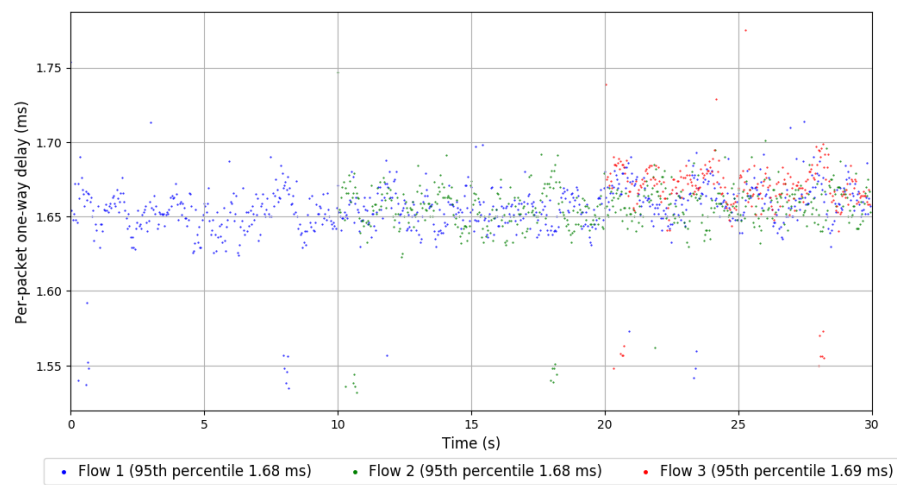
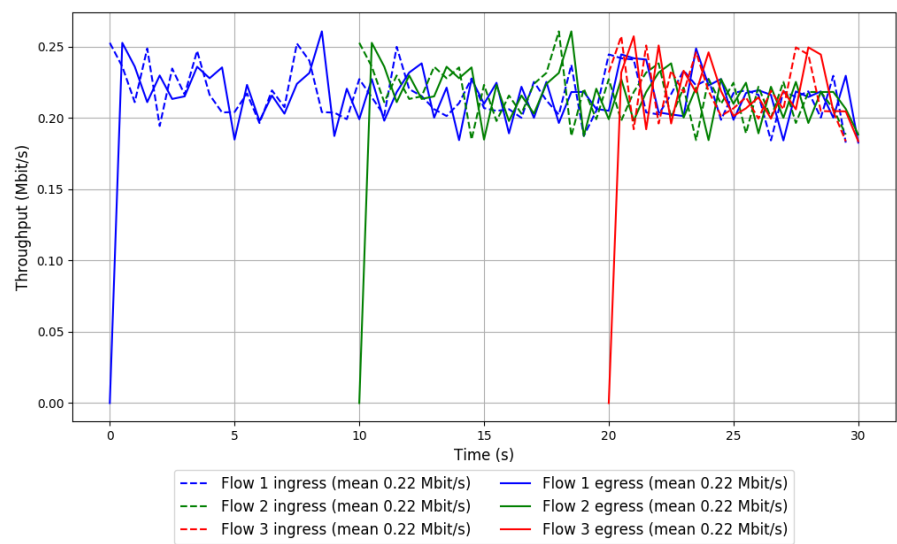


Run 2: Statistics of SReAM

Start at: 2019-11-24 16:32:11
End at: 2019-11-24 16:32:41
Local clock offset: -1.553 ms
Remote clock offset: -0.028 ms

Below is generated by plot.py at 2019-11-24 18:17:46
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 1.683 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 1.679 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 1.678 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 1.689 ms
Loss rate: 0.00%

Run 2: Report of SReAM — Data Link

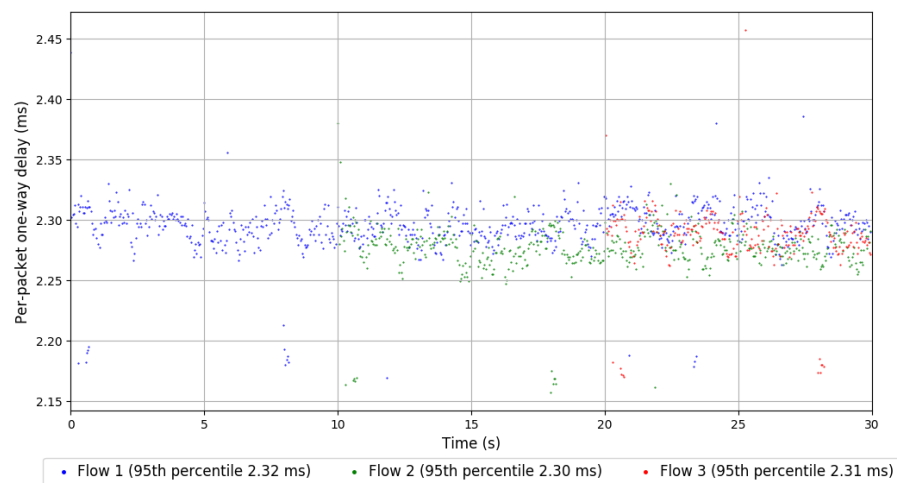
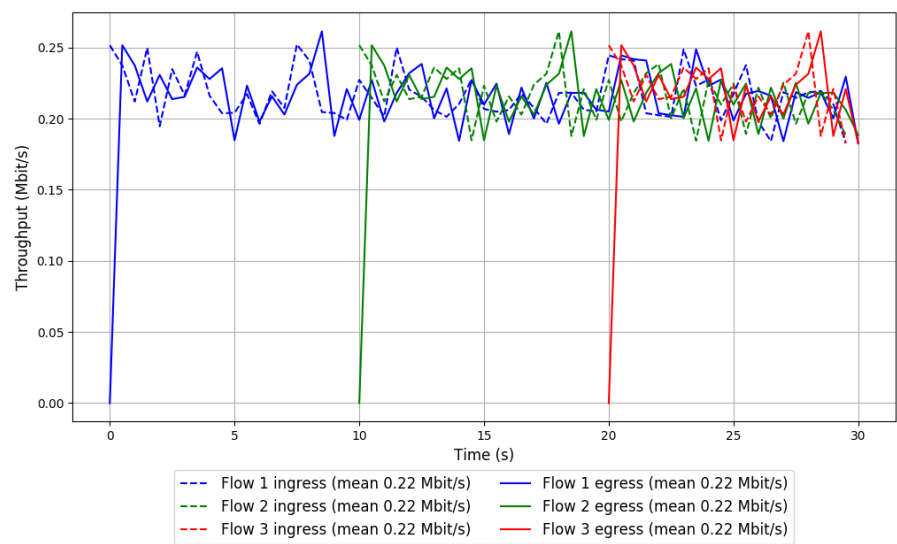


Run 3: Statistics of SReAM

Start at: 2019-11-24 16:59:36
End at: 2019-11-24 17:00:06
Local clock offset: -0.457 ms
Remote clock offset: 0.334 ms

Below is generated by plot.py at 2019-11-24 18:17:46
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.44 Mbit/s
95th percentile per-packet one-way delay: 2.315 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 2.319 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 2.298 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 2.309 ms
Loss rate: 0.00%

Run 3: Report of SReAM — Data Link



Run 4: Statistics of SReAM

Start at: 2019-11-24 17:27:01

End at: 2019-11-24 17:27:31

Local clock offset: 0.693 ms

Remote clock offset: 0.437 ms

Below is generated by plot.py at 2019-11-24 18:17:46

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.44 Mbit/s

95th percentile per-packet one-way delay: 2.399 ms

Loss rate: 0.06%

-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 2.397 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 0.22 Mbit/s

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

Loss rate: 0.00%

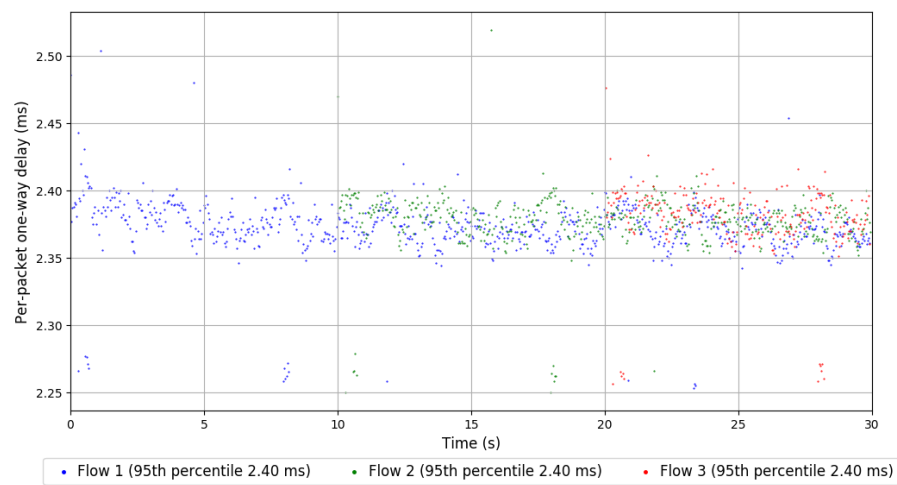
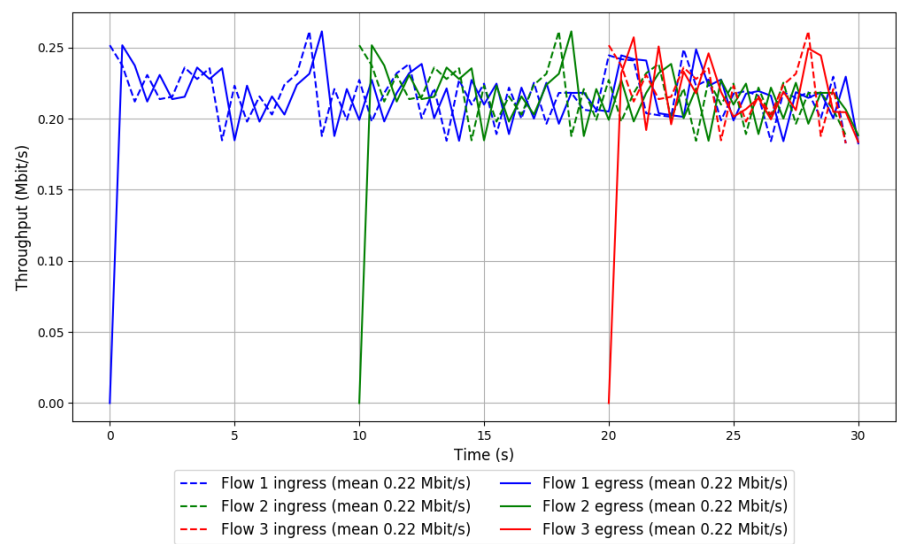
-- Flow 3:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 2.404 ms

Loss rate: 0.35%

Run 4: Report of SReAM — Data Link



Run 5: Statistics of SReAM

Start at: 2019-11-24 17:54:24

End at: 2019-11-24 17:54:54

Local clock offset: 0.184 ms

Remote clock offset: 0.551 ms

Below is generated by plot.py at 2019-11-24 18:17:46

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.44 Mbit/s

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

Loss rate: 0.00%

-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 2.492 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 0.22 Mbit/s

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

Loss rate: 0.00%

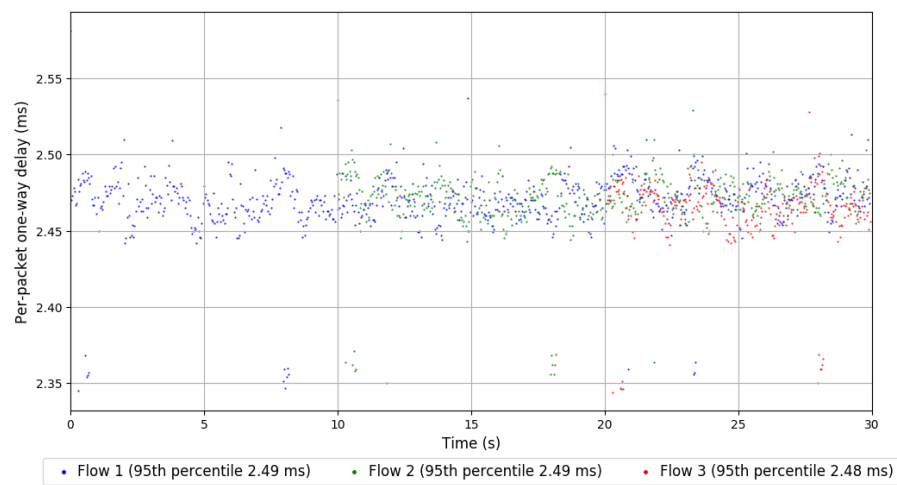
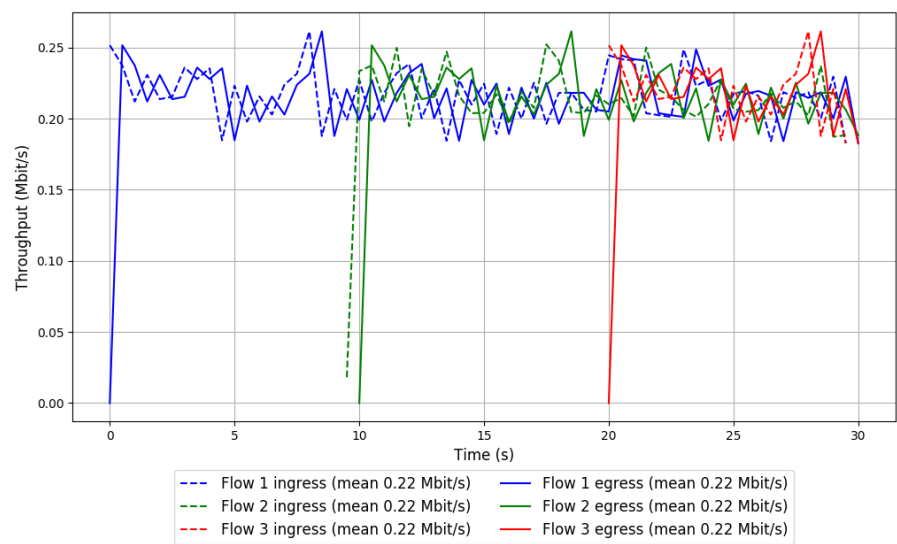
-- Flow 3:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 2.485 ms

Loss rate: 0.00%

Run 5: Report of SReAM — Data Link

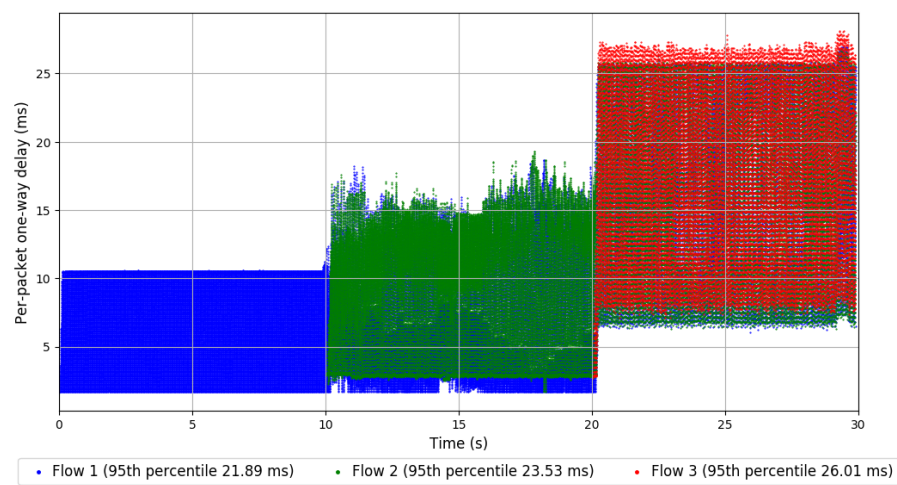
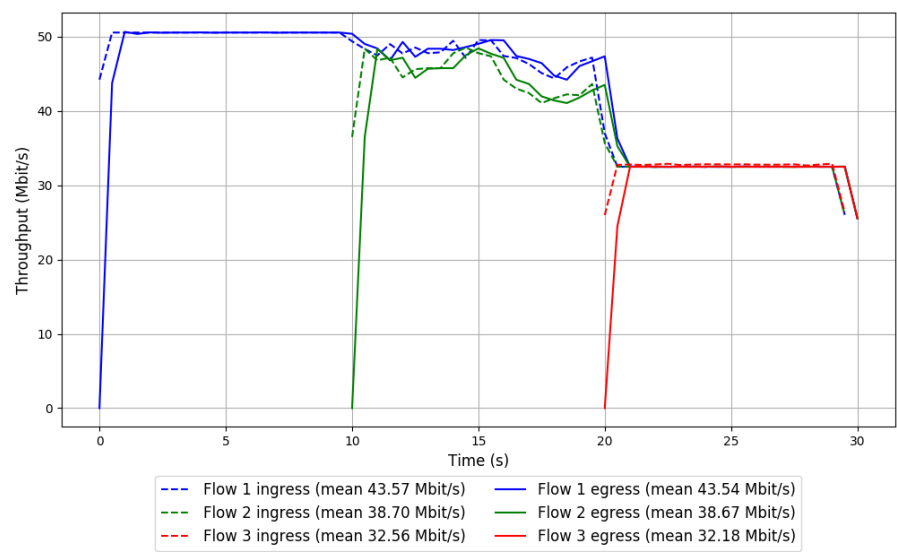


Run 1: Statistics of Sprout

Start at: 2019-11-24 15:52:11
End at: 2019-11-24 15:52:41
Local clock offset: -0.508 ms
Remote clock offset: -0.477 ms

Below is generated by plot.py at 2019-11-24 18:17:46
Datalink statistics
-- Total of 3 flows:
Average throughput: 79.86 Mbit/s
95th percentile per-packet one-way delay: 23.799 ms
Loss rate: 0.22%
-- Flow 1:
Average throughput: 43.54 Mbit/s
95th percentile per-packet one-way delay: 21.894 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 38.67 Mbit/s
95th percentile per-packet one-way delay: 23.527 ms
Loss rate: 0.10%
-- Flow 3:
Average throughput: 32.18 Mbit/s
95th percentile per-packet one-way delay: 26.007 ms
Loss rate: 1.18%

Run 1: Report of Sprout — Data Link

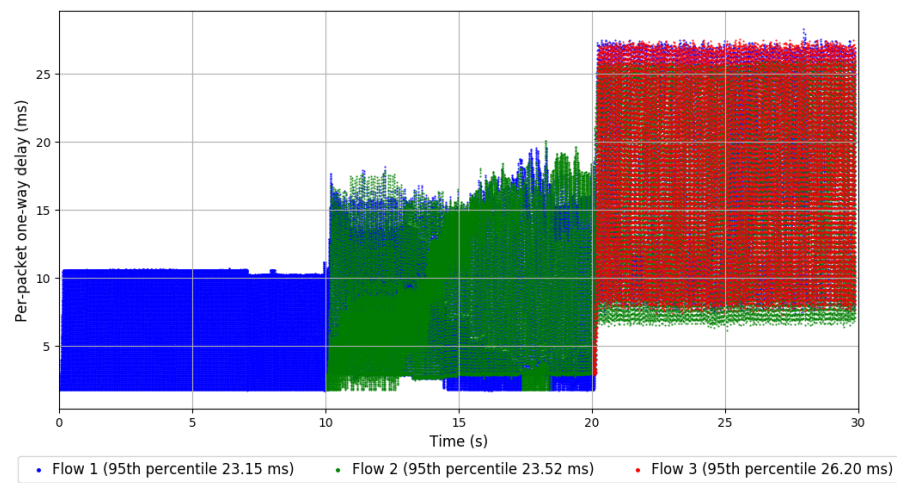
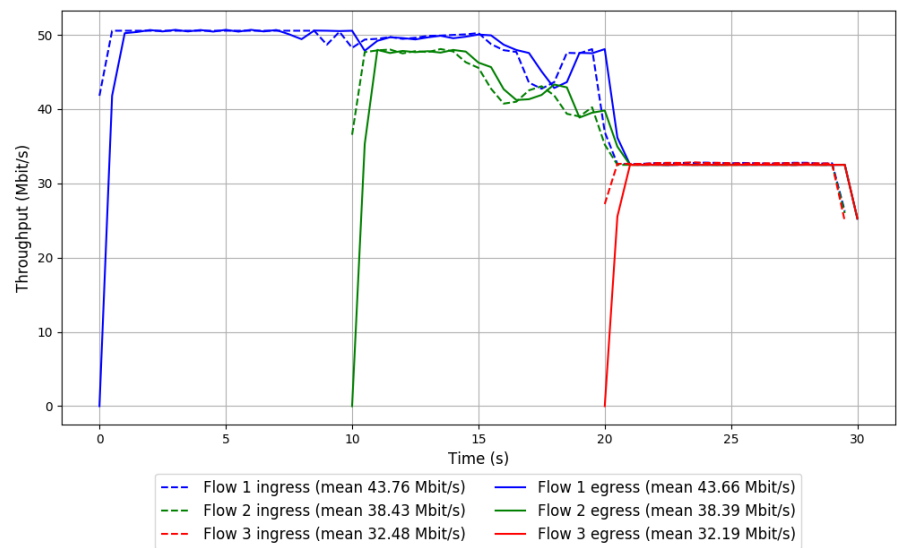


Run 2: Statistics of Sprout

Start at: 2019-11-24 16:19:37
End at: 2019-11-24 16:20:07
Local clock offset: -1.235 ms
Remote clock offset: -0.286 ms

Below is generated by plot.py at 2019-11-24 18:17:46
Datalink statistics
-- Total of 3 flows:
Average throughput: 79.82 Mbit/s
95th percentile per-packet one-way delay: 24.285 ms
Loss rate: 0.26%
-- Flow 1:
Average throughput: 43.66 Mbit/s
95th percentile per-packet one-way delay: 23.154 ms
Loss rate: 0.21%
-- Flow 2:
Average throughput: 38.39 Mbit/s
95th percentile per-packet one-way delay: 23.516 ms
Loss rate: 0.09%
-- Flow 3:
Average throughput: 32.19 Mbit/s
95th percentile per-packet one-way delay: 26.199 ms
Loss rate: 0.82%

Run 2: Report of Sprout — Data Link

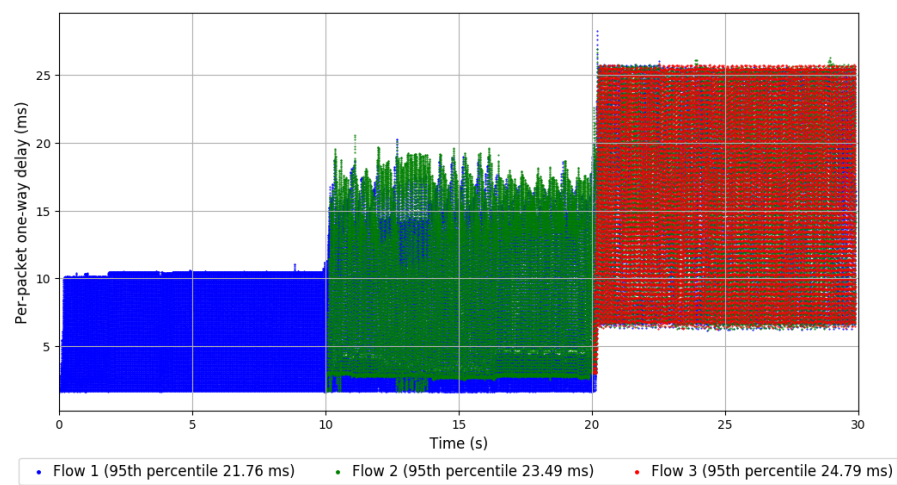
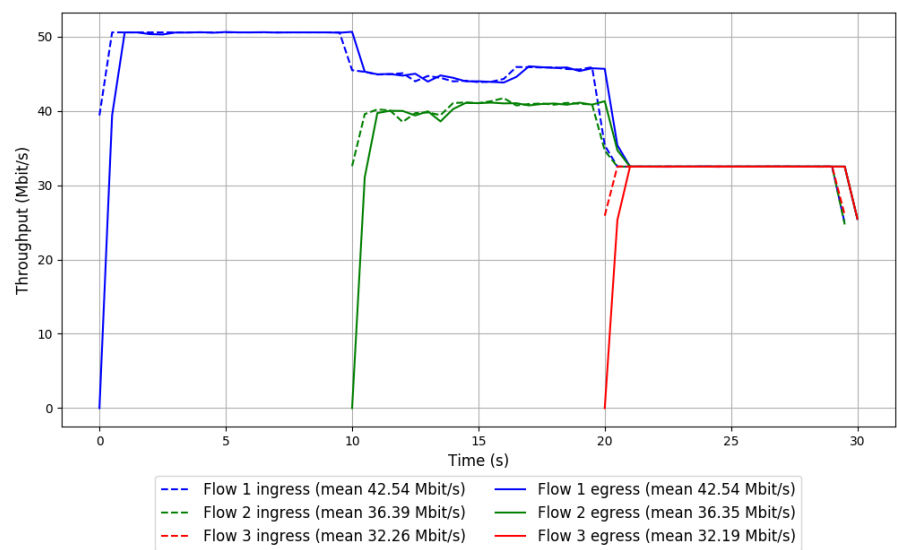


Run 3: Statistics of Sprout

Start at: 2019-11-24 16:47:02
End at: 2019-11-24 16:47:32
Local clock offset: -1.363 ms
Remote clock offset: 0.113 ms

```
# Below is generated by plot.py at 2019-11-24 18:17:46
# Datalink statistics
-- Total of 3 flows:
Average throughput: 77.36 Mbit/s
95th percentile per-packet one-way delay: 23.343 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 42.54 Mbit/s
95th percentile per-packet one-way delay: 21.760 ms
Loss rate: 0.03%
-- Flow 2:
Average throughput: 36.35 Mbit/s
95th percentile per-packet one-way delay: 23.489 ms
Loss rate: 0.05%
-- Flow 3:
Average throughput: 32.19 Mbit/s
95th percentile per-packet one-way delay: 24.792 ms
Loss rate: 0.17%
```

Run 3: Report of Sprout — Data Link



Run 4: Statistics of Sprout

Start at: 2019-11-24 17:14:27

End at: 2019-11-24 17:14:57

Local clock offset: -0.738 ms

Remote clock offset: 0.451 ms

Below is generated by plot.py at 2019-11-24 18:18:04

Datalink statistics

-- Total of 3 flows:

Average throughput: 80.68 Mbit/s

95th percentile per-packet one-way delay: 23.470 ms

Loss rate: 0.19%

-- Flow 1:

Average throughput: 43.30 Mbit/s

95th percentile per-packet one-way delay: 21.515 ms

Loss rate: 0.07%

-- Flow 2:

Average throughput: 40.23 Mbit/s

95th percentile per-packet one-way delay: 24.339 ms

Loss rate: 0.39%

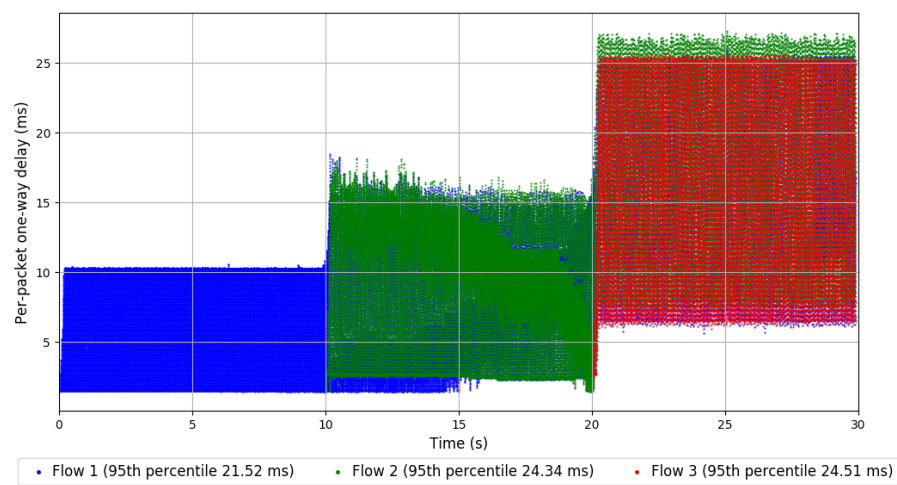
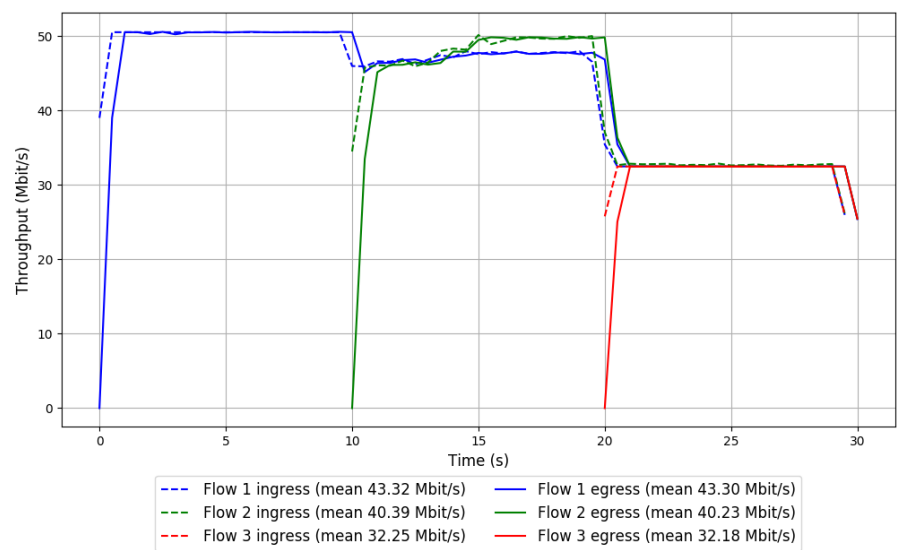
-- Flow 3:

Average throughput: 32.18 Mbit/s

95th percentile per-packet one-way delay: 24.507 ms

Loss rate: 0.19%

Run 4: Report of Sprout — Data Link



Run 5: Statistics of Sprout

Start at: 2019-11-24 17:41:51

End at: 2019-11-24 17:42:21

Local clock offset: 0.67 ms

Remote clock offset: 0.518 ms

Below is generated by plot.py at 2019-11-24 18:18:20

Datalink statistics

-- Total of 3 flows:

Average throughput: 81.37 Mbit/s

95th percentile per-packet one-way delay: 25.255 ms

Loss rate: 0.32%

-- Flow 1:

Average throughput: 43.87 Mbit/s

95th percentile per-packet one-way delay: 23.824 ms

Loss rate: 0.23%

-- Flow 2:

Average throughput: 40.38 Mbit/s

95th percentile per-packet one-way delay: 25.333 ms

Loss rate: 0.40%

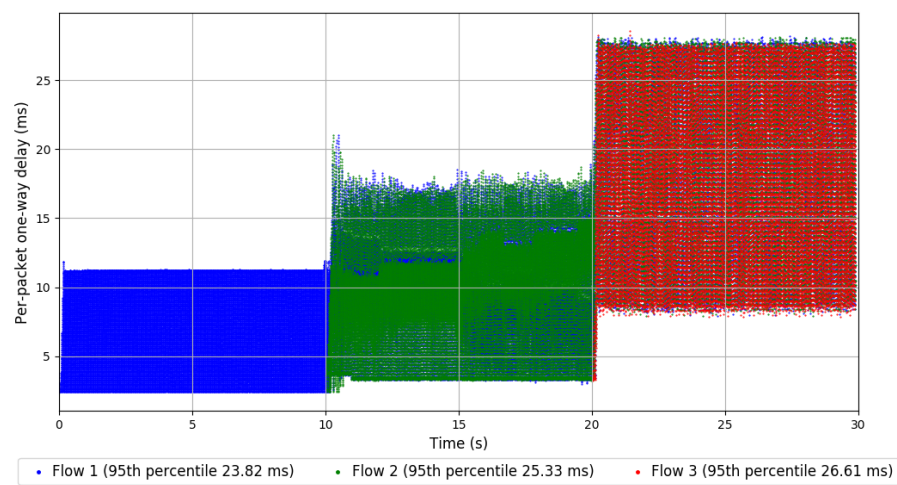
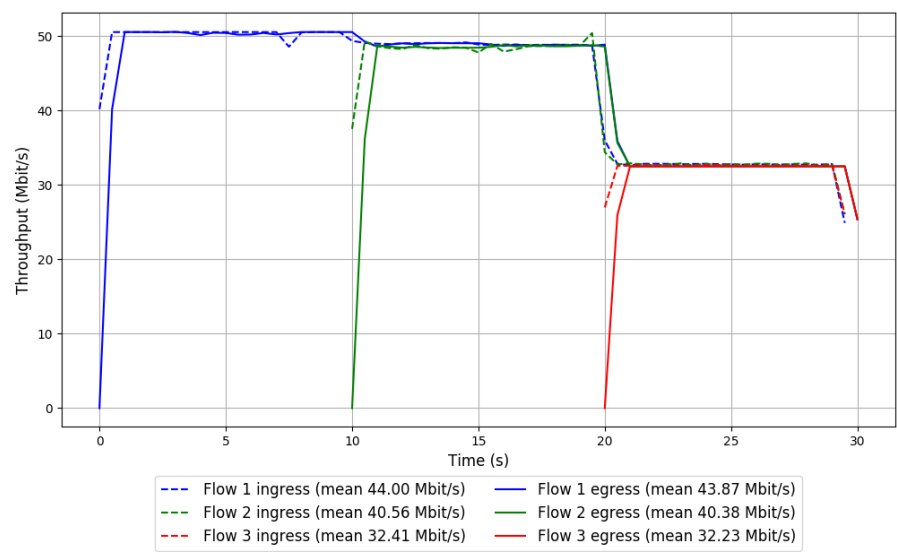
-- Flow 3:

Average throughput: 32.23 Mbit/s

95th percentile per-packet one-way delay: 26.607 ms

Loss rate: 0.51%

Run 5: Report of Sprout — Data Link

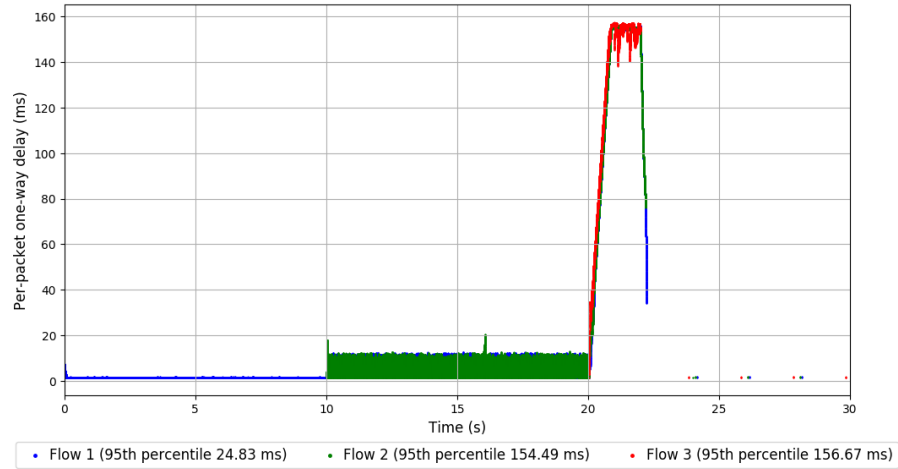
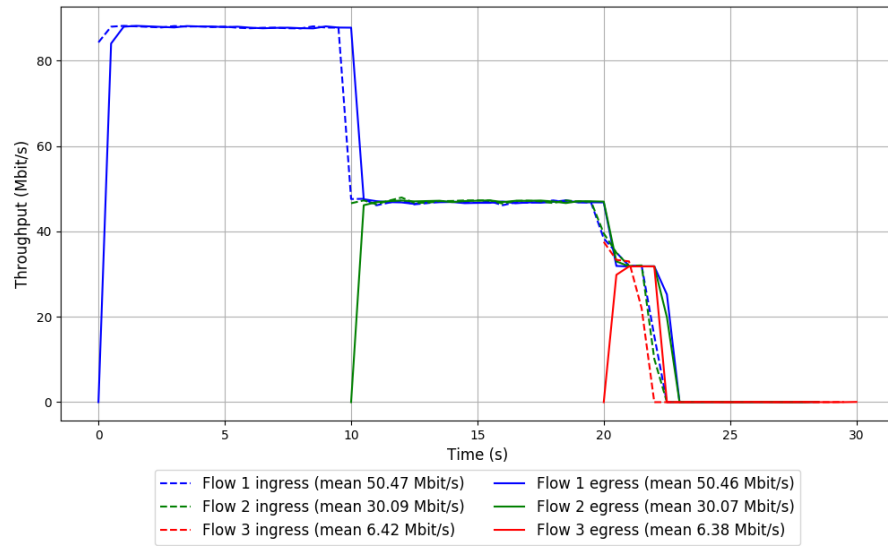


Run 1: Statistics of TaoVA-100x

Start at: 2019-11-24 15:51:01
End at: 2019-11-24 15:51:31
Local clock offset: -0.494 ms
Remote clock offset: -0.396 ms

Below is generated by plot.py at 2019-11-24 18:19:02
Datalink statistics
-- Total of 3 flows:
Average throughput: 67.96 Mbit/s
95th percentile per-packet one-way delay: 151.099 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 50.46 Mbit/s
95th percentile per-packet one-way delay: 24.826 ms
Loss rate: 0.02%
-- Flow 2:
Average throughput: 30.07 Mbit/s
95th percentile per-packet one-way delay: 154.493 ms
Loss rate: 0.05%
-- Flow 3:
Average throughput: 6.38 Mbit/s
95th percentile per-packet one-way delay: 156.674 ms
Loss rate: 0.49%

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

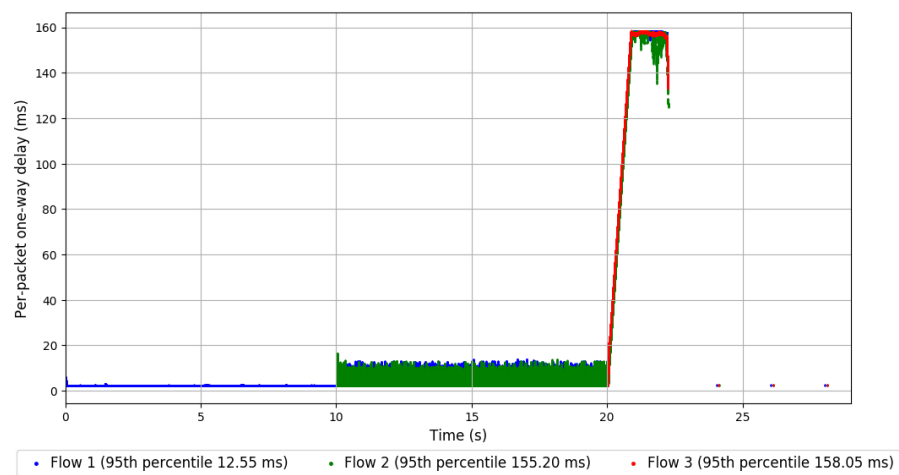
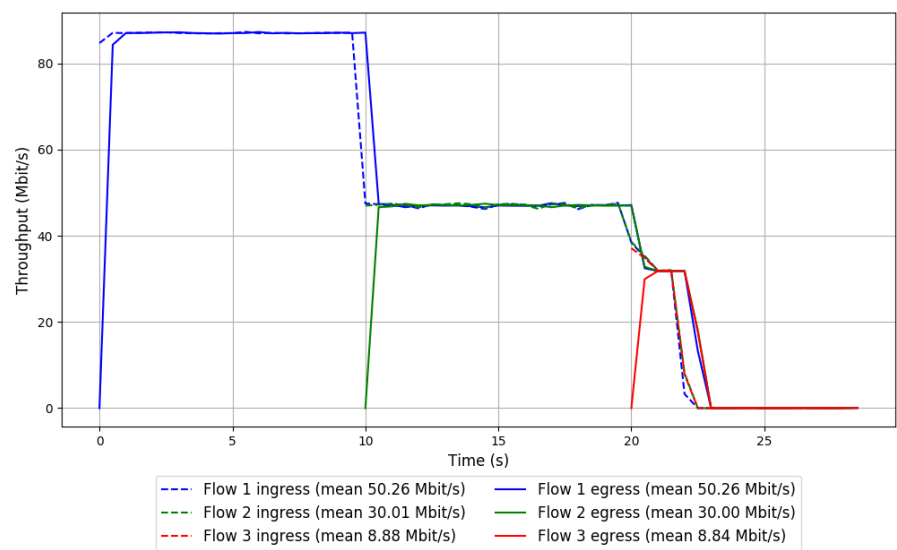


Run 2: Statistics of TaoVA-100x

Start at: 2019-11-24 16:18:26
End at: 2019-11-24 16:18:56
Local clock offset: -0.454 ms
Remote clock offset: -0.219 ms

Below is generated by plot.py at 2019-11-24 18:19:02
Datalink statistics
-- Total of 3 flows:
Average throughput: 71.99 Mbit/s
95th percentile per-packet one-way delay: 156.556 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 50.26 Mbit/s
95th percentile per-packet one-way delay: 12.554 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 30.00 Mbit/s
95th percentile per-packet one-way delay: 155.198 ms
Loss rate: 0.05%
-- Flow 3:
Average throughput: 8.84 Mbit/s
95th percentile per-packet one-way delay: 158.046 ms
Loss rate: 0.46%

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



Run 3: Statistics of TaoVA-100x

Start at: 2019-11-24 16:45:52

End at: 2019-11-24 16:46:22

Local clock offset: -1.39 ms

Remote clock offset: 0.09 ms

Below is generated by plot.py at 2019-11-24 18:19:04

Datalink statistics

-- Total of 3 flows:

Average throughput: 72.02 Mbit/s

95th percentile per-packet one-way delay: 151.502 ms

Loss rate: 0.04%

-- Flow 1:

Average throughput: 50.33 Mbit/s

95th percentile per-packet one-way delay: 9.385 ms

Loss rate: 0.01%

-- Flow 2:

Average throughput: 29.77 Mbit/s

95th percentile per-packet one-way delay: 149.705 ms

Loss rate: 0.05%

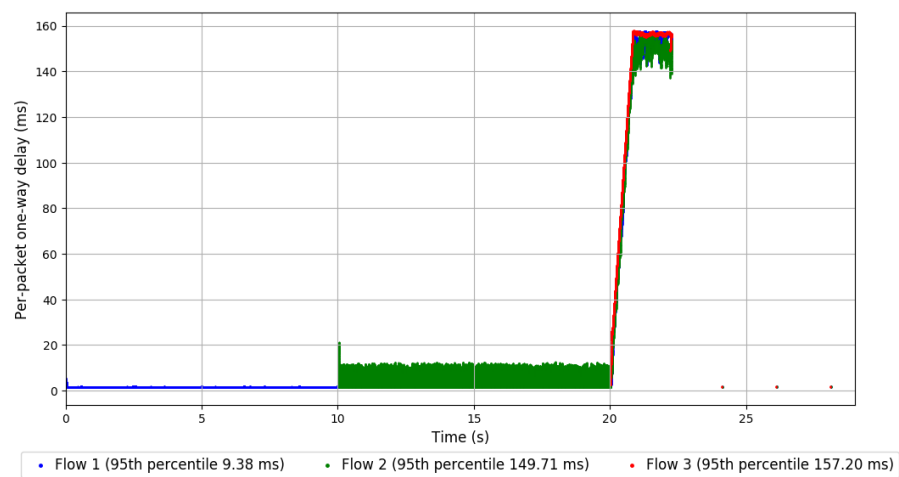
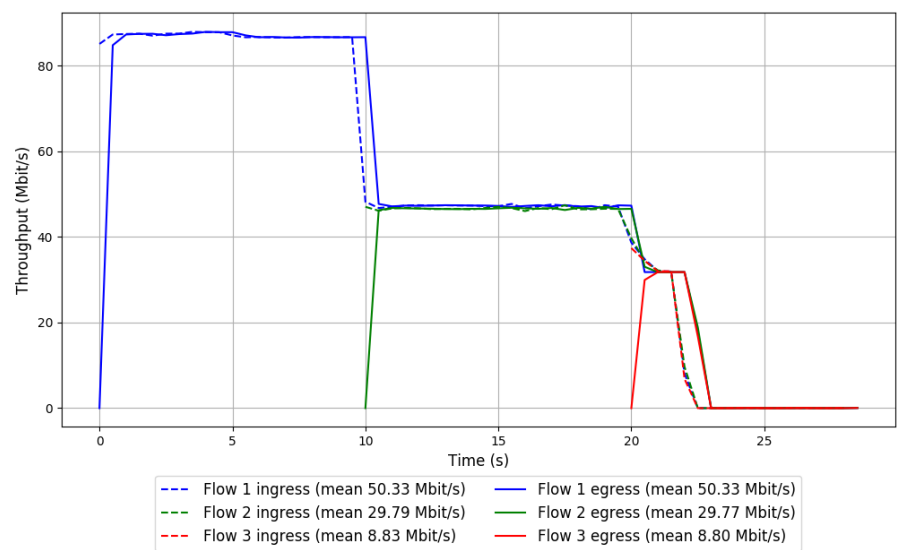
-- Flow 3:

Average throughput: 8.80 Mbit/s

95th percentile per-packet one-way delay: 157.202 ms

Loss rate: 0.38%

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



Run 4: Statistics of TaoVA-100x

Start at: 2019-11-24 17:13:16

End at: 2019-11-24 17:13:46

Local clock offset: 0.011 ms

Remote clock offset: 0.356 ms

Below is generated by plot.py at 2019-11-24 18:19:05

Datalink statistics

-- Total of 3 flows:

Average throughput: 67.59 Mbit/s

95th percentile per-packet one-way delay: 149.862 ms

Loss rate: 0.03%

-- Flow 1:

Average throughput: 46.98 Mbit/s

95th percentile per-packet one-way delay: 9.473 ms

Loss rate: 0.01%

-- Flow 2:

Average throughput: 29.90 Mbit/s

95th percentile per-packet one-way delay: 155.305 ms

Loss rate: 0.04%

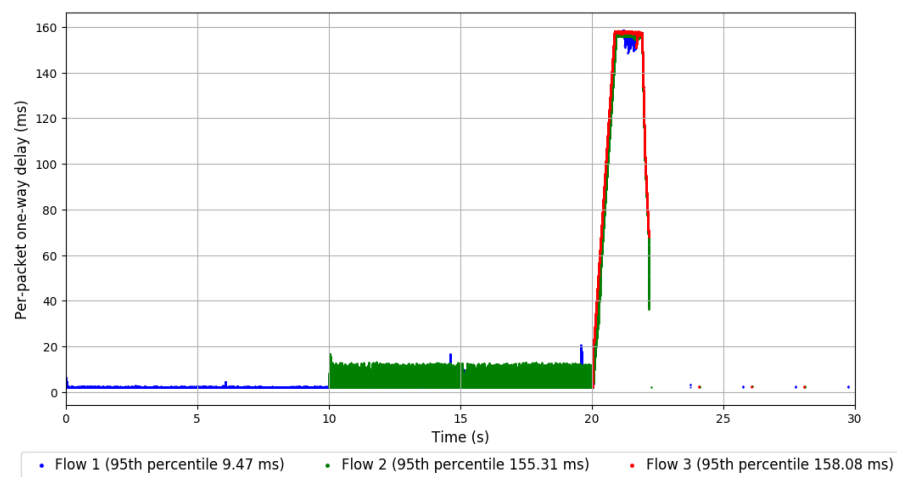
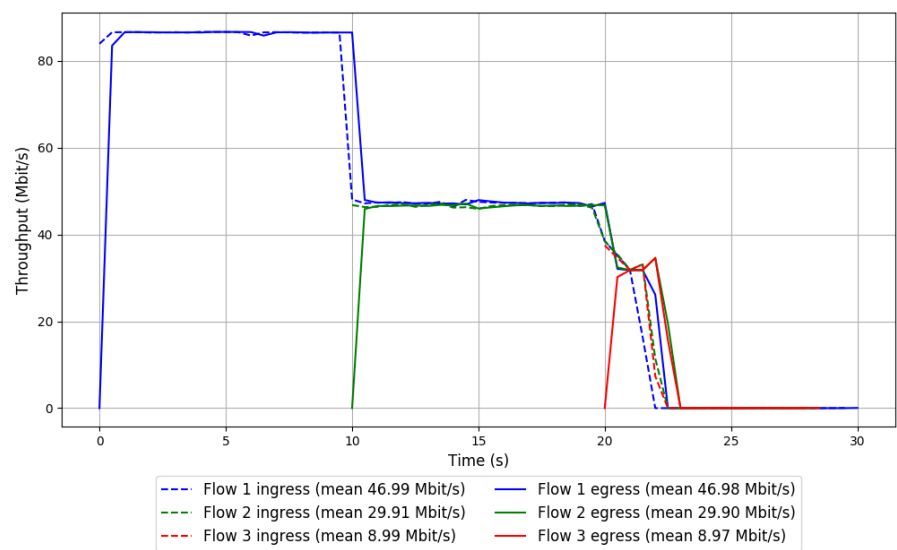
-- Flow 3:

Average throughput: 8.97 Mbit/s

95th percentile per-packet one-way delay: 158.080 ms

Loss rate: 0.28%

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



Run 5: Statistics of TaoVA-100x

Start at: 2019-11-24 17:40:41

End at: 2019-11-24 17:41:11

Local clock offset: 0.854 ms

Remote clock offset: 0.591 ms

Below is generated by plot.py at 2019-11-24 18:19:08

Datalink statistics

-- Total of 3 flows:

Average throughput: 68.04 Mbit/s

95th percentile per-packet one-way delay: 146.900 ms

Loss rate: 0.04%

-- Flow 1:

Average throughput: 47.14 Mbit/s

95th percentile per-packet one-way delay: 11.981 ms

Loss rate: 0.02%

-- Flow 2:

Average throughput: 30.07 Mbit/s

95th percentile per-packet one-way delay: 155.034 ms

Loss rate: 0.05%

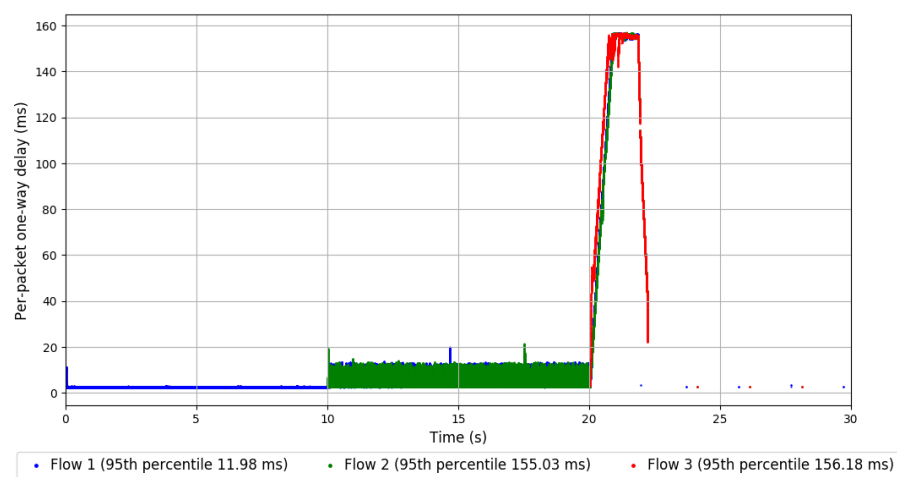
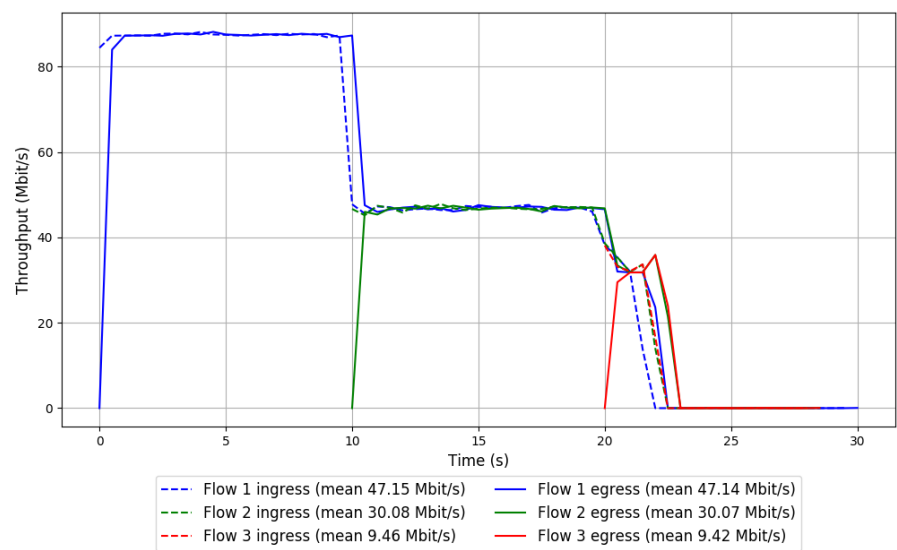
-- Flow 3:

Average throughput: 9.42 Mbit/s

95th percentile per-packet one-way delay: 156.182 ms

Loss rate: 0.44%

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



Run 1: Statistics of TCP Vegas

Start at: 2019-11-24 16:13:56

End at: 2019-11-24 16:14:26

Local clock offset: -0.982 ms

Remote clock offset: -0.27 ms

Below is generated by plot.py at 2019-11-24 18:19:08

Datalink statistics

-- Total of 3 flows:

Average throughput: 97.19 Mbit/s

95th percentile per-packet one-way delay: 4.061 ms

Loss rate: 0.02%

-- Flow 1:

Average throughput: 51.06 Mbit/s

95th percentile per-packet one-way delay: 3.023 ms

Loss rate: 0.01%

-- Flow 2:

Average throughput: 52.04 Mbit/s

95th percentile per-packet one-way delay: 3.688 ms

Loss rate: 0.02%

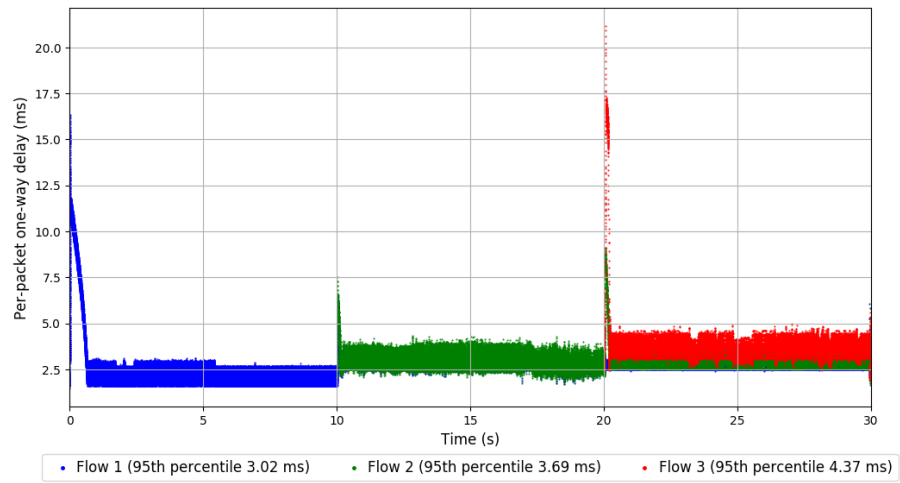
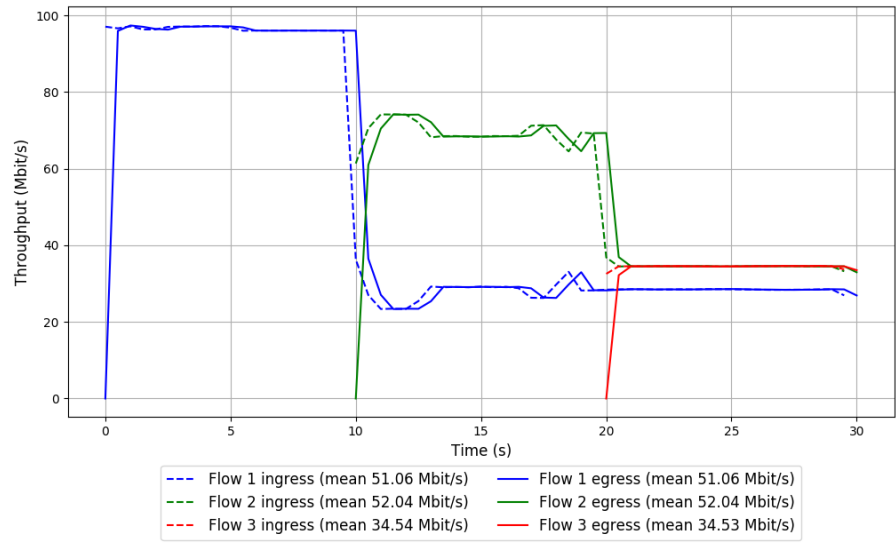
-- Flow 3:

Average throughput: 34.53 Mbit/s

95th percentile per-packet one-way delay: 4.371 ms

Loss rate: 0.08%

Run 1: Report of TCP Vegas — Data Link

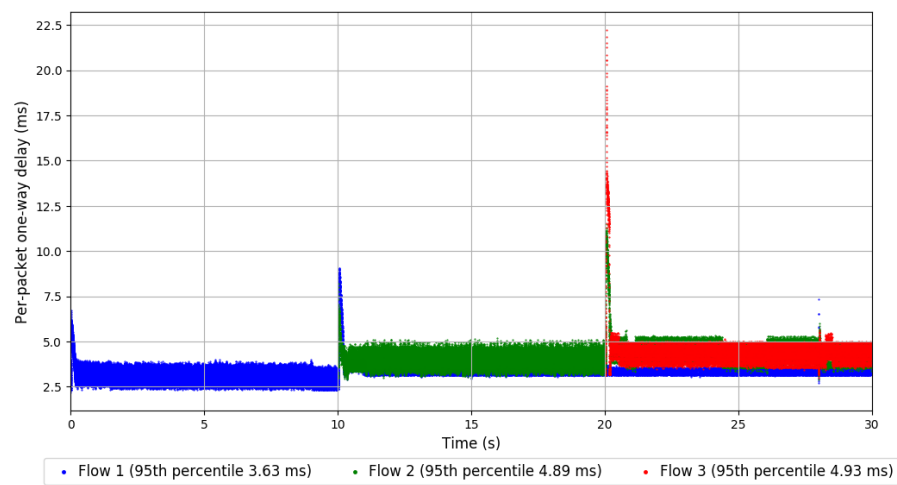
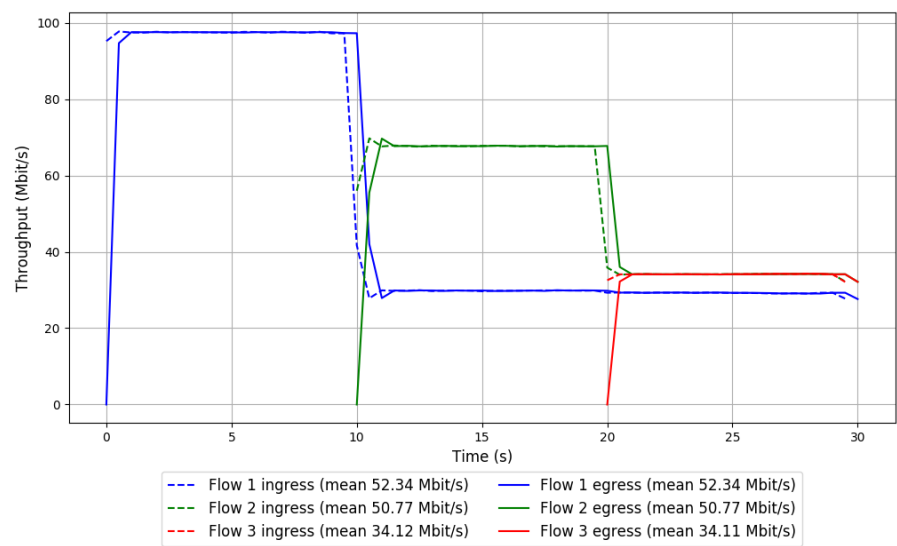


Run 2: Statistics of TCP Vegas

Start at: 2019-11-24 16:41:22
End at: 2019-11-24 16:41:52
Local clock offset: -0.788 ms
Remote clock offset: 0.136 ms

Below is generated by plot.py at 2019-11-24 18:19:15
Datalink statistics
-- Total of 3 flows:
Average throughput: 97.47 Mbit/s
95th percentile per-packet one-way delay: 4.770 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 52.34 Mbit/s
95th percentile per-packet one-way delay: 3.633 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 50.77 Mbit/s
95th percentile per-packet one-way delay: 4.891 ms
Loss rate: 0.02%
-- Flow 3:
Average throughput: 34.11 Mbit/s
95th percentile per-packet one-way delay: 4.926 ms
Loss rate: 0.05%

Run 2: Report of TCP Vegas — Data Link



Run 3: Statistics of TCP Vegas

Start at: 2019-11-24 17:08:47

End at: 2019-11-24 17:09:17

Local clock offset: -1.153 ms

Remote clock offset: 0.345 ms

Below is generated by plot.py at 2019-11-24 18:19:35

Datalink statistics

-- Total of 3 flows:

Average throughput: 97.33 Mbit/s

95th percentile per-packet one-way delay: 4.113 ms

Loss rate: 0.02%

-- Flow 1:

Average throughput: 50.60 Mbit/s

95th percentile per-packet one-way delay: 2.873 ms

Loss rate: 0.01%

-- Flow 2:

Average throughput: 52.17 Mbit/s

95th percentile per-packet one-way delay: 3.983 ms

Loss rate: 0.02%

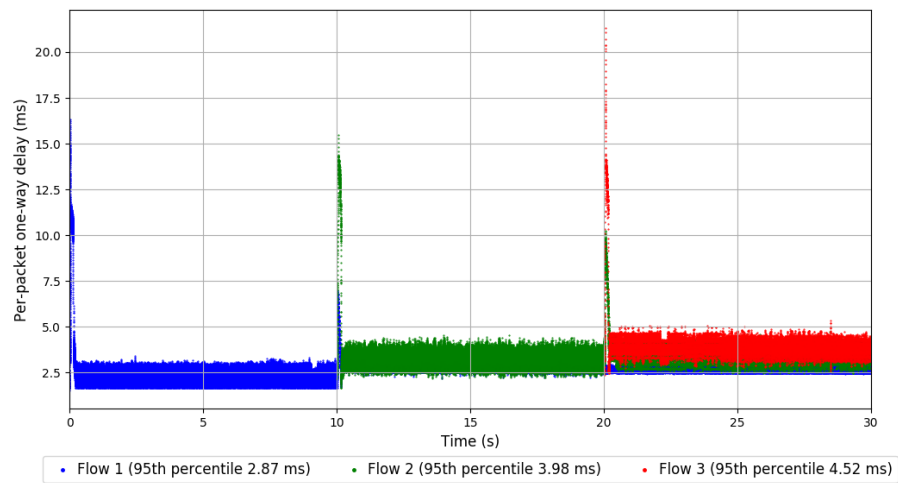
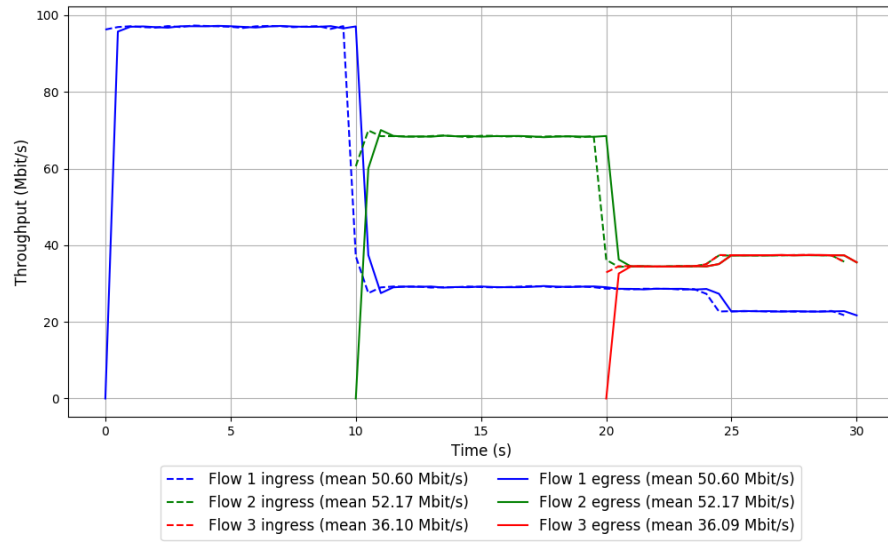
-- Flow 3:

Average throughput: 36.09 Mbit/s

95th percentile per-packet one-way delay: 4.518 ms

Loss rate: 0.06%

Run 3: Report of TCP Vegas — Data Link



Run 4: Statistics of TCP Vegas

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

End at: 2019-11-24 17:36:41

Local clock offset: 0.164 ms

Remote clock offset: 0.462 ms

Below is generated by plot.py at 2019-11-24 18:20:00

Datalink statistics

-- Total of 3 flows:

Average throughput: 97.44 Mbit/s

95th percentile per-packet one-way delay: 4.208 ms

Loss rate: 0.02%

-- Flow 1:

Average throughput: 54.11 Mbit/s

95th percentile per-packet one-way delay: 3.219 ms

Loss rate: 0.01%

-- Flow 2:

Average throughput: 47.11 Mbit/s

95th percentile per-packet one-way delay: 3.830 ms

Loss rate: 0.01%

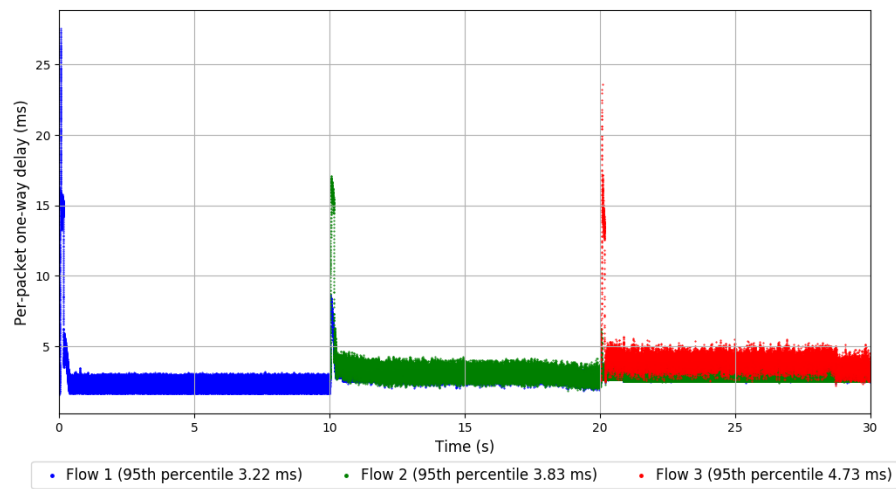
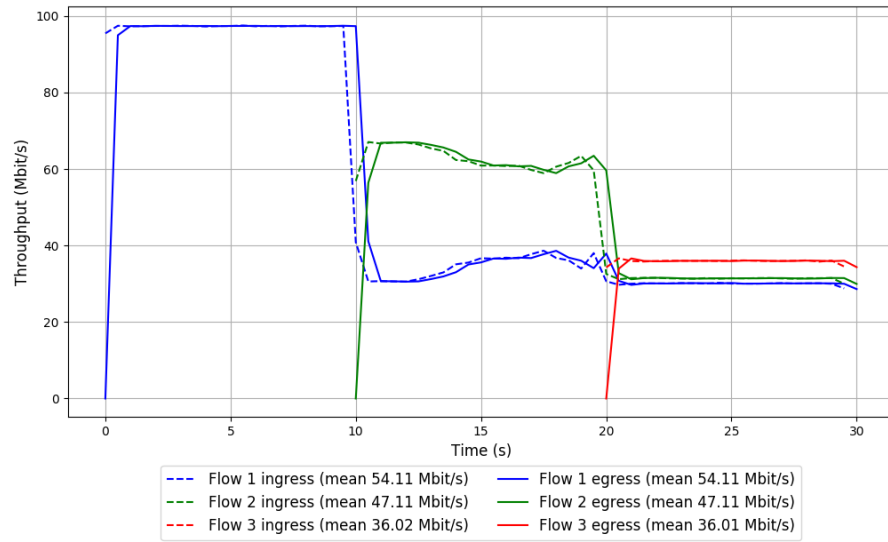
-- Flow 3:

Average throughput: 36.01 Mbit/s

95th percentile per-packet one-way delay: 4.733 ms

Loss rate: 0.07%

Run 4: Report of TCP Vegas — Data Link



Run 5: Statistics of TCP Vegas

Start at: 2019-11-24 18:03:35

End at: 2019-11-24 18:04:05

Local clock offset: -0.664 ms

Remote clock offset: 0.681 ms

Below is generated by plot.py at 2019-11-24 18:20:11

Datalink statistics

-- Total of 3 flows:

Average throughput: 97.41 Mbit/s

95th percentile per-packet one-way delay: 4.070 ms

Loss rate: 0.02%

-- Flow 1:

Average throughput: 53.96 Mbit/s

95th percentile per-packet one-way delay: 2.979 ms

Loss rate: 0.01%

-- Flow 2:

Average throughput: 43.51 Mbit/s

95th percentile per-packet one-way delay: 4.047 ms

Loss rate: 0.01%

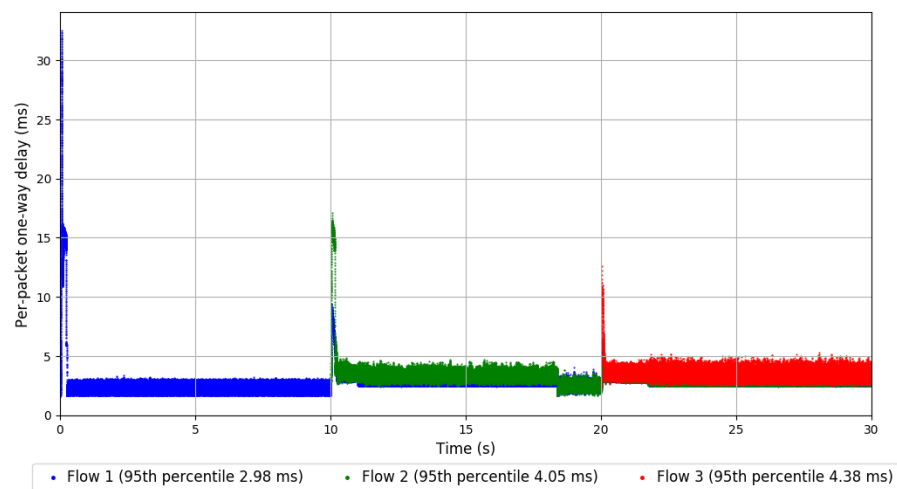
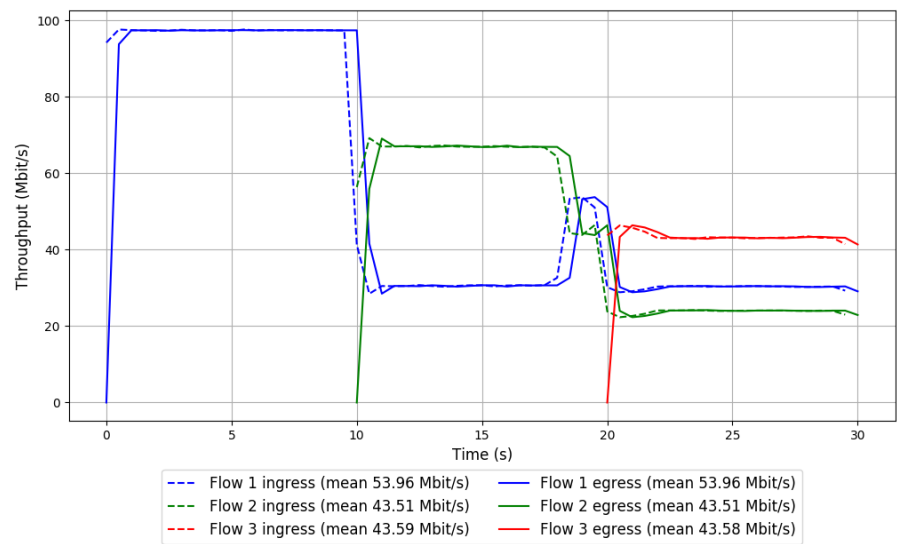
-- Flow 3:

Average throughput: 43.58 Mbit/s

95th percentile per-packet one-way delay: 4.376 ms

Loss rate: 0.05%

Run 5: Report of TCP Vegas — Data Link

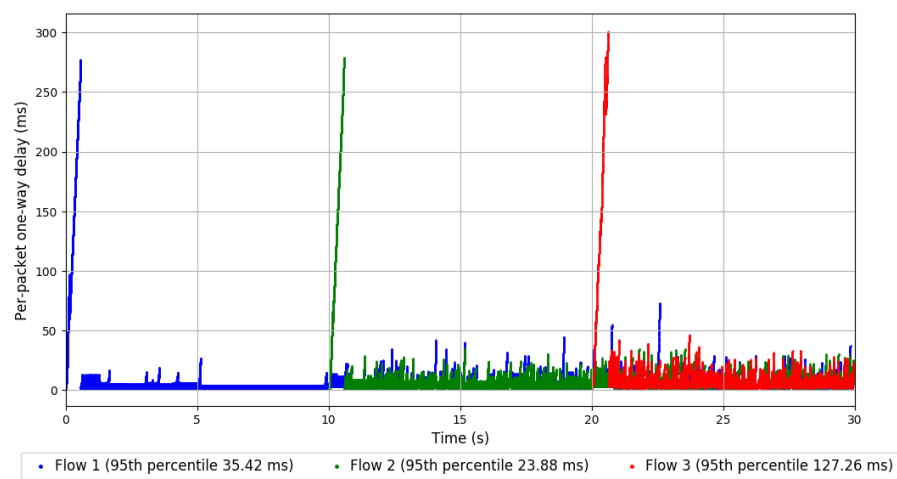
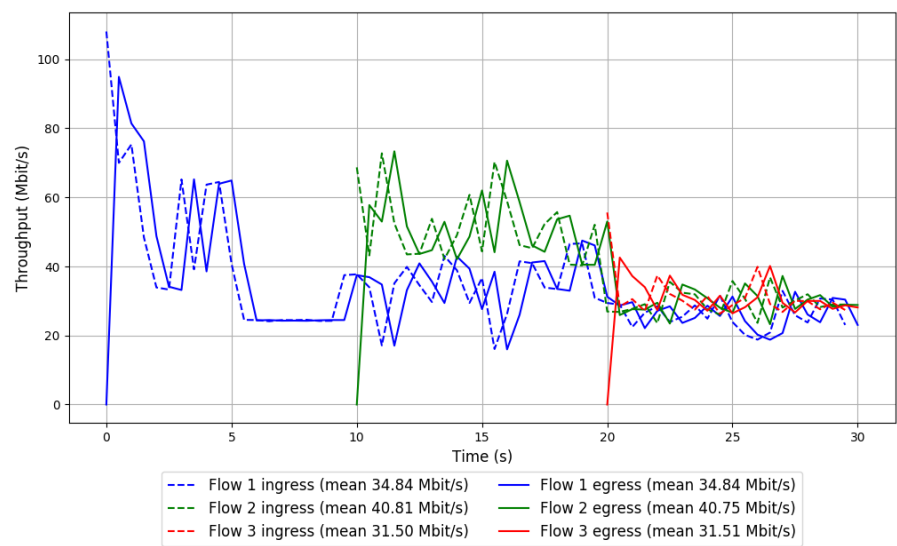


Run 1: Statistics of Verus

Start at: 2019-11-24 16:03:34
End at: 2019-11-24 16:04:04
Local clock offset: -0.501 ms
Remote clock offset: -0.377 ms

Below is generated by plot.py at 2019-11-24 18:20:11
Datalink statistics
-- Total of 3 flows:
Average throughput: 72.42 Mbit/s
95th percentile per-packet one-way delay: 34.170 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 34.84 Mbit/s
95th percentile per-packet one-way delay: 35.416 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 40.75 Mbit/s
95th percentile per-packet one-way delay: 23.876 ms
Loss rate: 0.04%
-- Flow 3:
Average throughput: 31.51 Mbit/s
95th percentile per-packet one-way delay: 127.260 ms
Loss rate: 0.08%

Run 1: Report of Verus — Data Link

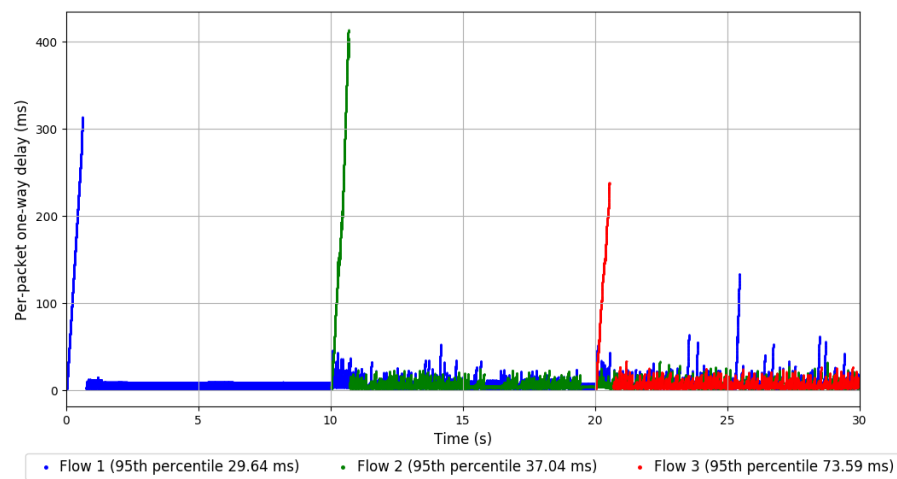
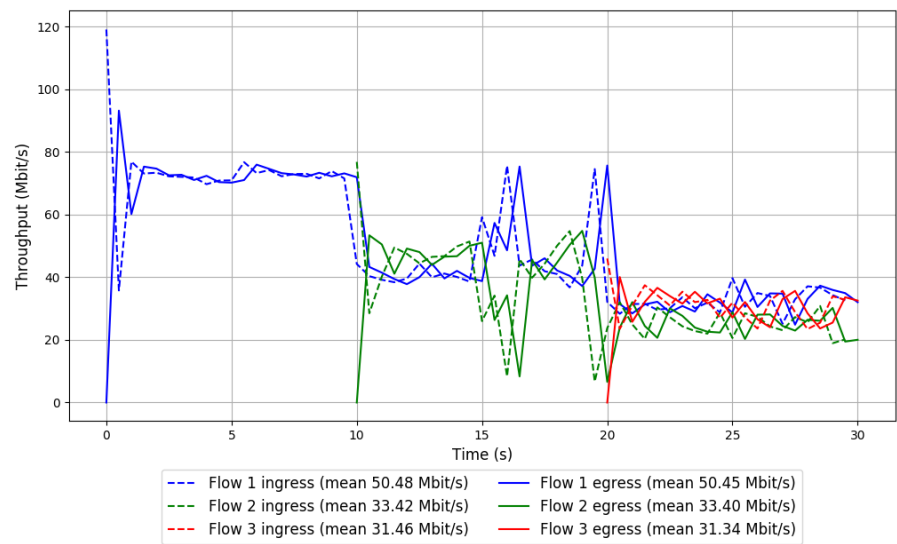


Run 2: Statistics of Verus

Start at: 2019-11-24 16:31:01
End at: 2019-11-24 16:31:31
Local clock offset: -0.848 ms
Remote clock offset: 0.038 ms

Below is generated by plot.py at 2019-11-24 18:20:11
Datalink statistics
-- Total of 3 flows:
Average throughput: 83.08 Mbit/s
95th percentile per-packet one-way delay: 32.790 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 50.45 Mbit/s
95th percentile per-packet one-way delay: 29.644 ms
Loss rate: 0.07%
-- Flow 2:
Average throughput: 33.40 Mbit/s
95th percentile per-packet one-way delay: 37.036 ms
Loss rate: 0.08%
-- Flow 3:
Average throughput: 31.34 Mbit/s
95th percentile per-packet one-way delay: 73.590 ms
Loss rate: 0.50%

Run 2: Report of Verus — Data Link



Run 3: Statistics of Verus

Start at: 2019-11-24 16:58:27

End at: 2019-11-24 16:58:57

Local clock offset: -0.452 ms

Remote clock offset: 0.138 ms

Below is generated by plot.py at 2019-11-24 18:20:11

Datalink statistics

-- Total of 3 flows:

Average throughput: 68.85 Mbit/s

95th percentile per-packet one-way delay: 70.314 ms

Loss rate: 0.10%

-- Flow 1:

Average throughput: 36.09 Mbit/s

95th percentile per-packet one-way delay: 38.833 ms

Loss rate: 0.02%

-- Flow 2:

Average throughput: 28.31 Mbit/s

95th percentile per-packet one-way delay: 71.609 ms

Loss rate: 0.19%

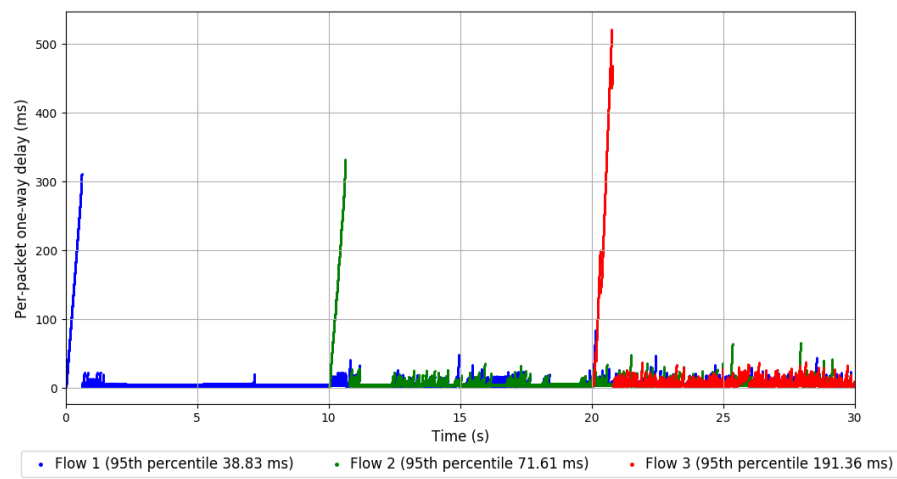
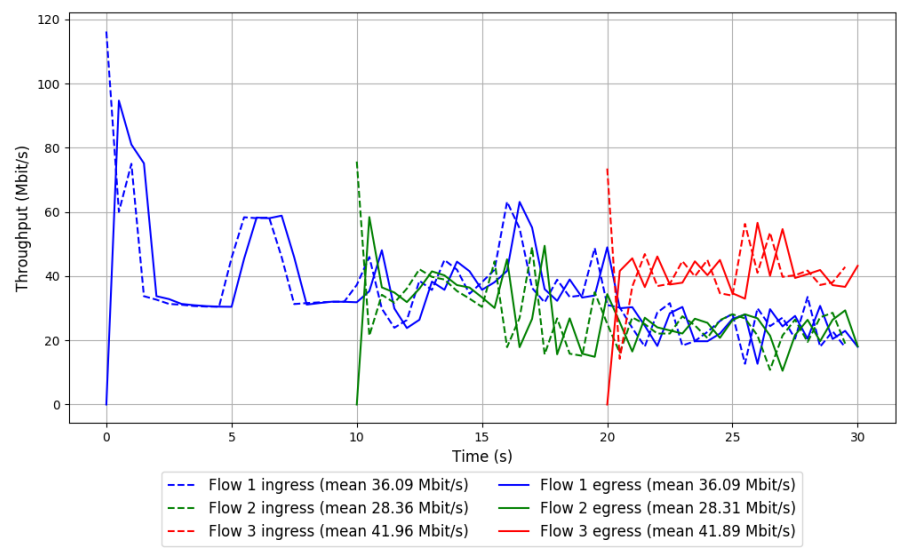
-- Flow 3:

Average throughput: 41.89 Mbit/s

95th percentile per-packet one-way delay: 191.362 ms

Loss rate: 0.21%

Run 3: Report of Verus — Data Link



Run 4: Statistics of Verus

Start at: 2019-11-24 17:25:52

End at: 2019-11-24 17:26:22

Local clock offset: -0.09 ms

Remote clock offset: 0.464 ms

Below is generated by plot.py at 2019-11-24 18:20:11

Datalink statistics

-- Total of 3 flows:

Average throughput: 72.28 Mbit/s

95th percentile per-packet one-way delay: 30.851 ms

Loss rate: 0.02%

-- Flow 1:

Average throughput: 34.08 Mbit/s

95th percentile per-packet one-way delay: 37.786 ms

Loss rate: 0.01%

-- Flow 2:

Average throughput: 40.12 Mbit/s

95th percentile per-packet one-way delay: 20.002 ms

Loss rate: 0.02%

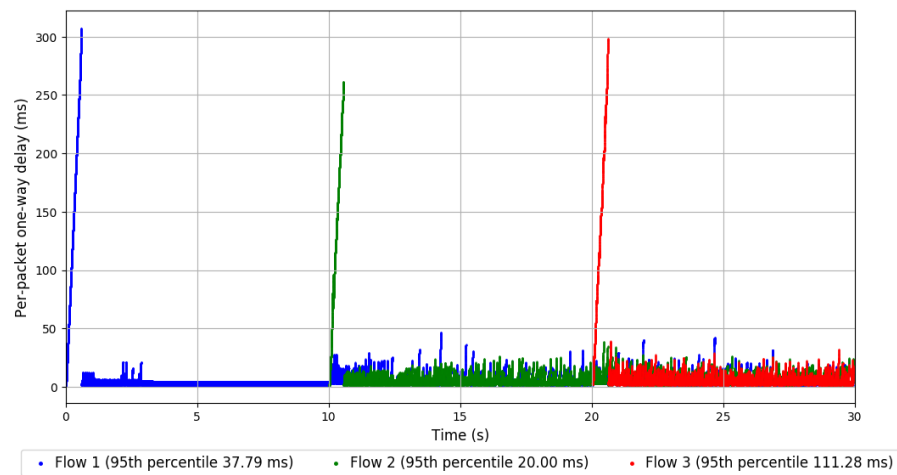
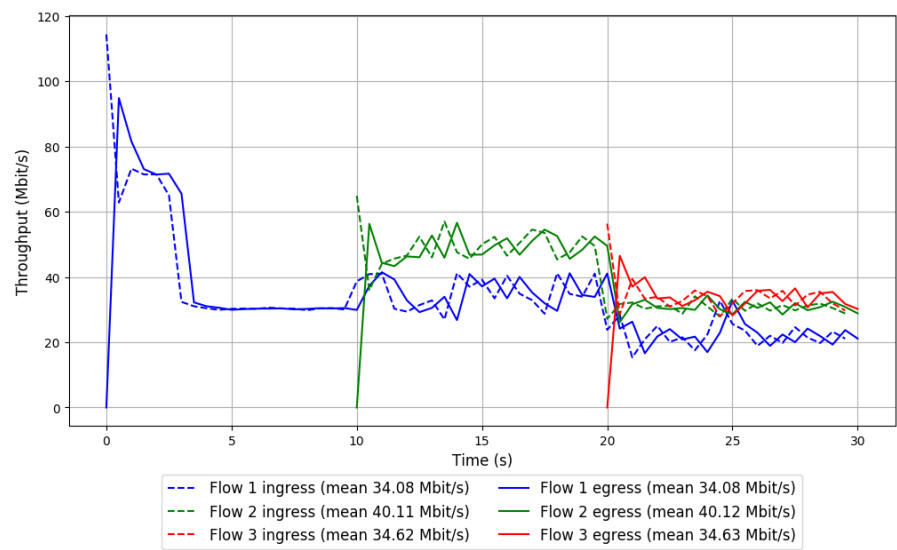
-- Flow 3:

Average throughput: 34.63 Mbit/s

95th percentile per-packet one-way delay: 111.284 ms

Loss rate: 0.06%

Run 4: Report of Verus — Data Link



Run 5: Statistics of Verus

Start at: 2019-11-24 17:53:15

End at: 2019-11-24 17:53:45

Local clock offset: 0.153 ms

Remote clock offset: 0.587 ms

Below is generated by plot.py at 2019-11-24 18:20:16

Datalink statistics

-- Total of 3 flows:

Average throughput: 80.48 Mbit/s

95th percentile per-packet one-way delay: 26.782 ms

Loss rate: 0.07%

-- Flow 1:

Average throughput: 46.39 Mbit/s

95th percentile per-packet one-way delay: 23.592 ms

Loss rate: 0.04%

-- Flow 2:

Average throughput: 35.04 Mbit/s

95th percentile per-packet one-way delay: 26.366 ms

Loss rate: 0.09%

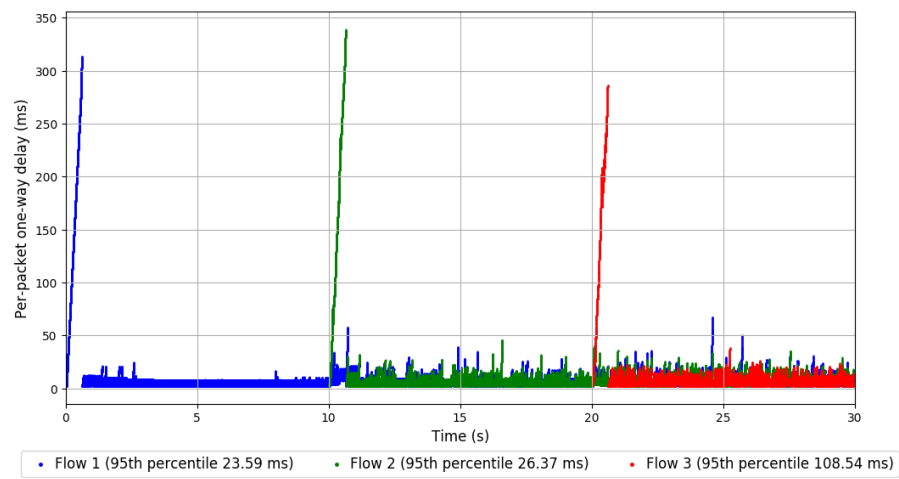
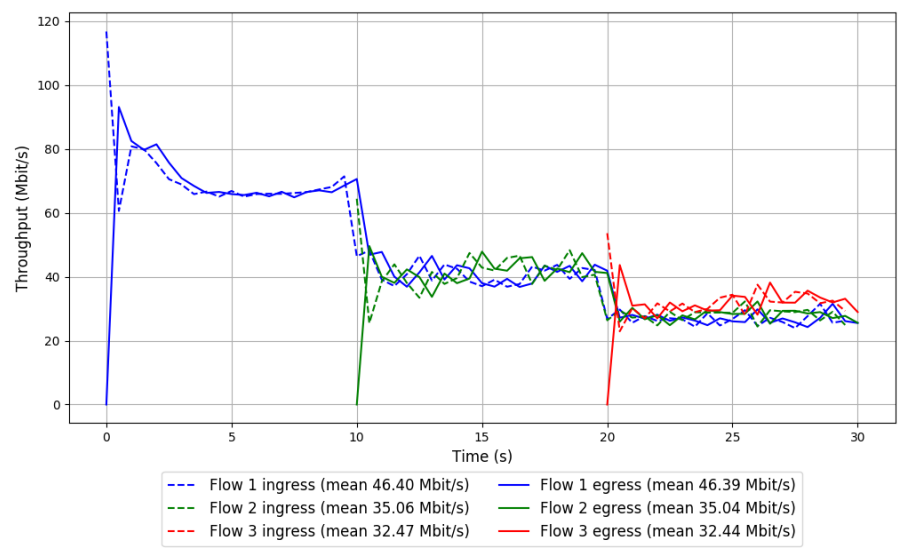
-- Flow 3:

Average throughput: 32.44 Mbit/s

95th percentile per-packet one-way delay: 108.541 ms

Loss rate: 0.15%

Run 5: Report of Verus — Data Link

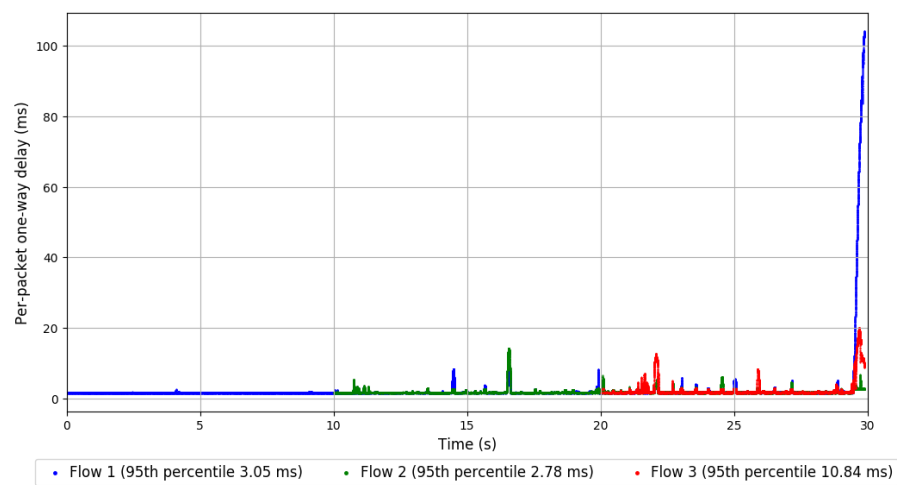
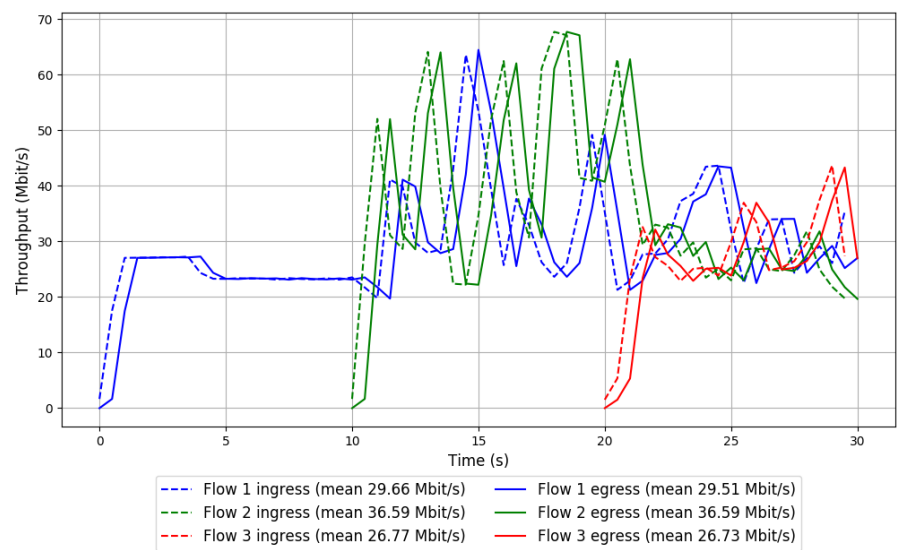


Run 1: Statistics of PCC-Vivace

Start at: 2019-11-24 15:54:30
End at: 2019-11-24 15:55:00
Local clock offset: -0.521 ms
Remote clock offset: -0.484 ms

Below is generated by plot.py at 2019-11-24 18:20:25
Datalink statistics
-- Total of 3 flows:
Average throughput: 62.67 Mbit/s
95th percentile per-packet one-way delay: 3.135 ms
Loss rate: 0.28%
-- Flow 1:
Average throughput: 29.51 Mbit/s
95th percentile per-packet one-way delay: 3.050 ms
Loss rate: 0.53%
-- Flow 2:
Average throughput: 36.59 Mbit/s
95th percentile per-packet one-way delay: 2.782 ms
Loss rate: 0.02%
-- Flow 3:
Average throughput: 26.73 Mbit/s
95th percentile per-packet one-way delay: 10.840 ms
Loss rate: 0.18%

Run 1: Report of PCC-Vivace — Data Link



Run 2: Statistics of PCC-Vivace

Start at: 2019-11-24 16:21:56

End at: 2019-11-24 16:22:26

Local clock offset: -0.574 ms

Remote clock offset: -0.2 ms

Below is generated by plot.py at 2019-11-24 18:20:30

Datalink statistics

-- Total of 3 flows:

Average throughput: 59.92 Mbit/s

95th percentile per-packet one-way delay: 4.387 ms

Loss rate: 0.35%

-- Flow 1:

Average throughput: 28.33 Mbit/s

95th percentile per-packet one-way delay: 3.705 ms

Loss rate: 0.02%

-- Flow 2:

Average throughput: 34.83 Mbit/s

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

Loss rate: 0.03%

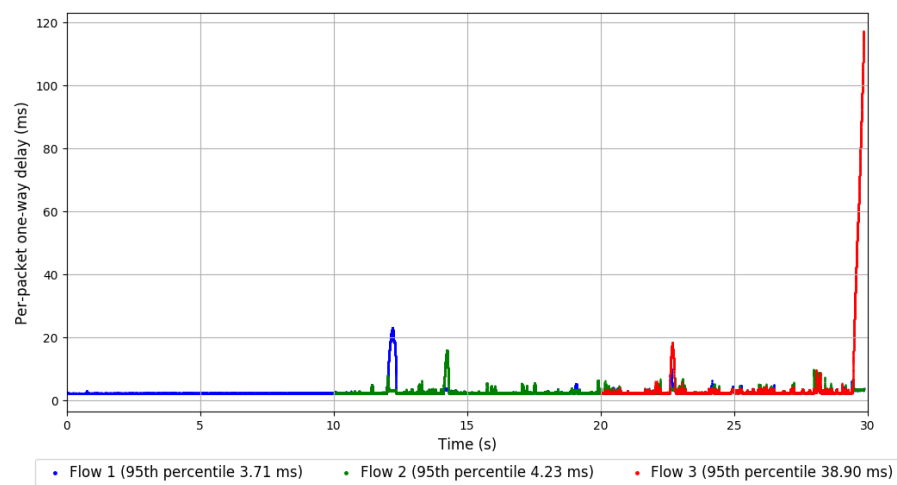
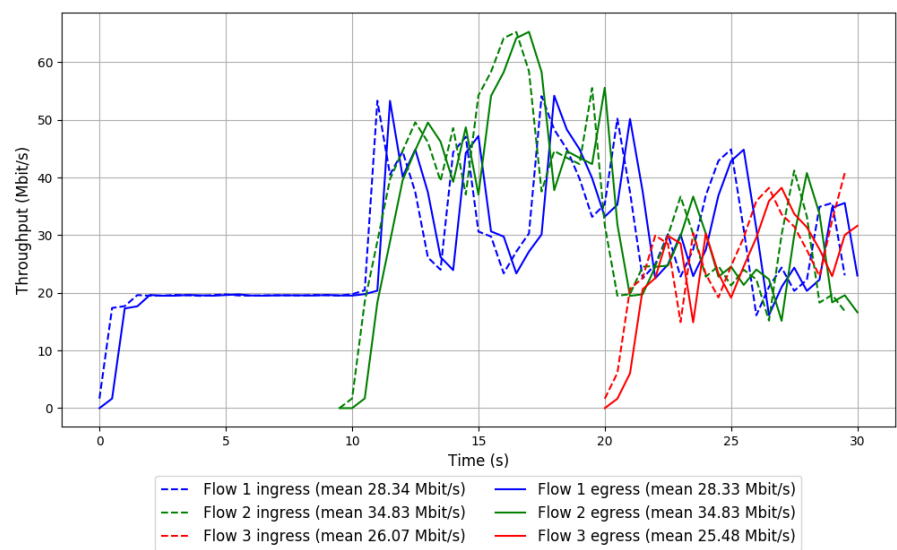
-- Flow 3:

Average throughput: 25.48 Mbit/s

95th percentile per-packet one-way delay: 38.904 ms

Loss rate: 2.30%

Run 2: Report of PCC-Vivace — Data Link



Run 3: Statistics of PCC-Vivace

Start at: 2019-11-24 16:49:22

End at: 2019-11-24 16:49:52

Local clock offset: -0.619 ms

Remote clock offset: 0.116 ms

Below is generated by plot.py at 2019-11-24 18:20:39

Datalink statistics

-- Total of 3 flows:

Average throughput: 86.96 Mbit/s

95th percentile per-packet one-way delay: 4.942 ms

Loss rate: 0.03%

-- Flow 1:

Average throughput: 55.56 Mbit/s

95th percentile per-packet one-way delay: 5.337 ms

Loss rate: 0.04%

-- Flow 2:

Average throughput: 34.71 Mbit/s

95th percentile per-packet one-way delay: 5.417 ms

Loss rate: 0.02%

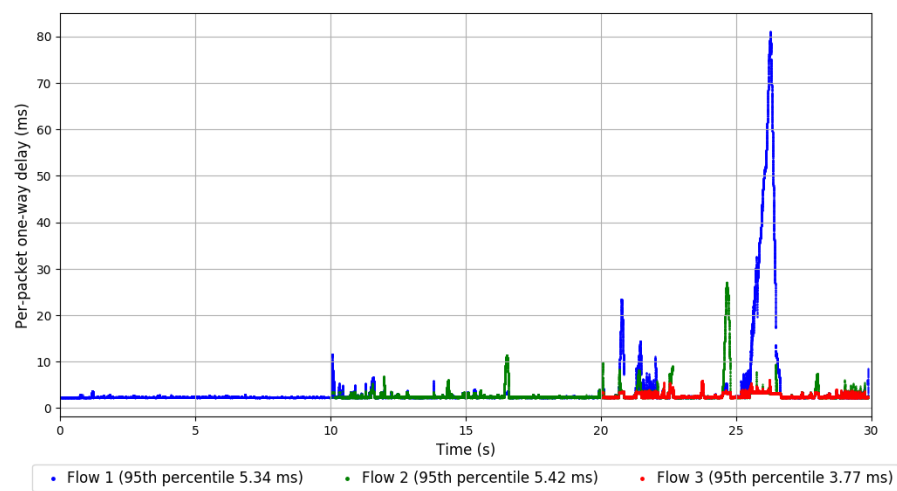
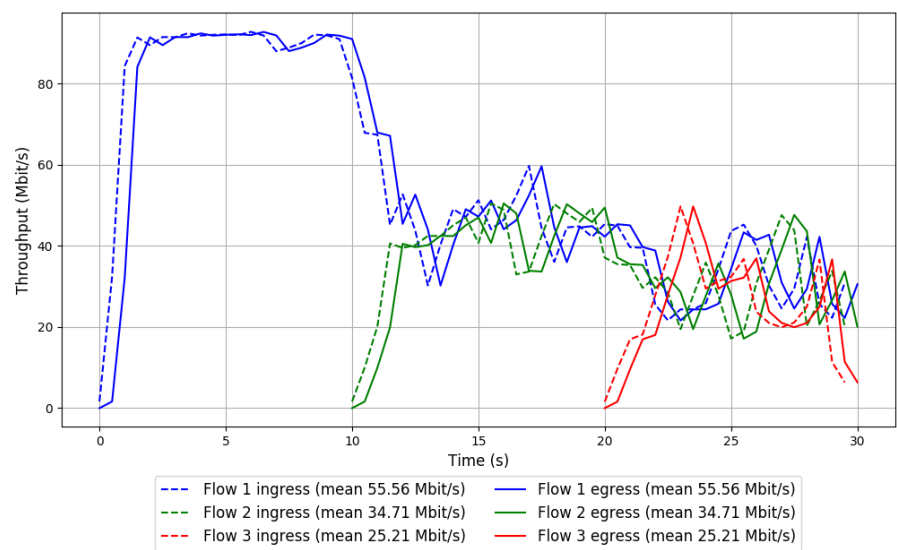
-- Flow 3:

Average throughput: 25.21 Mbit/s

95th percentile per-packet one-way delay: 3.769 ms

Loss rate: 0.01%

Run 3: Report of PCC-Vivace — Data Link



Run 4: Statistics of PCC-Vivace

Start at: 2019-11-24 17:16:46

End at: 2019-11-24 17:17:16

Local clock offset: 0.186 ms

Remote clock offset: 0.304 ms

Below is generated by plot.py at 2019-11-24 18:20:39

Datalink statistics

-- Total of 3 flows:

Average throughput: 80.99 Mbit/s

95th percentile per-packet one-way delay: 122.775 ms

Loss rate: 0.17%

-- Flow 1:

Average throughput: 52.04 Mbit/s

95th percentile per-packet one-way delay: 3.587 ms

Loss rate: 0.01%

-- Flow 2:

Average throughput: 28.60 Mbit/s

95th percentile per-packet one-way delay: 6.907 ms

Loss rate: 0.02%

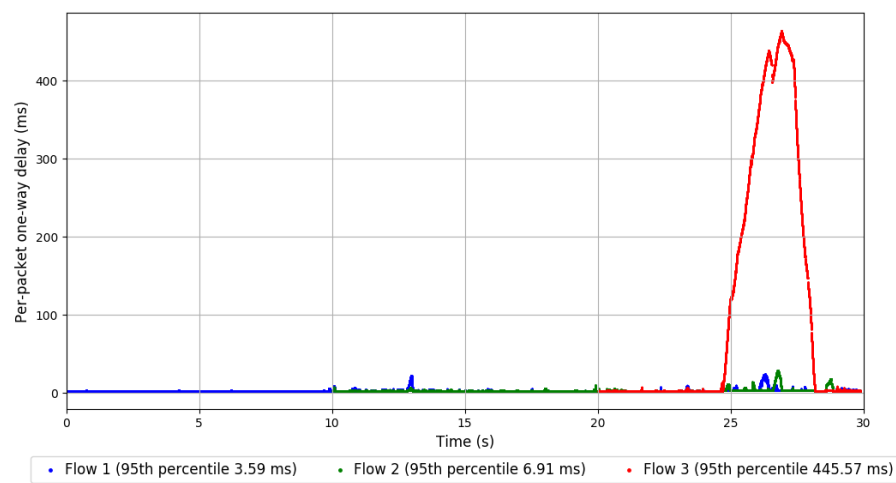
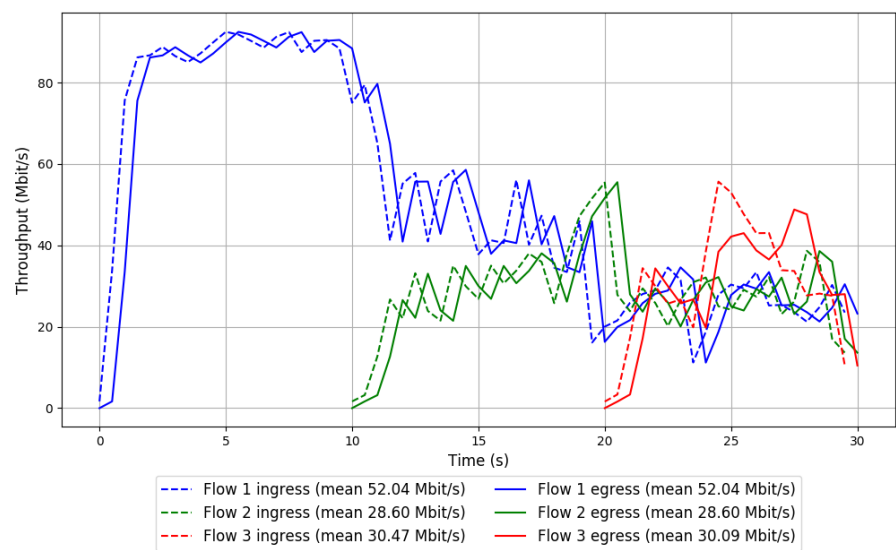
-- Flow 3:

Average throughput: 30.09 Mbit/s

95th percentile per-packet one-way delay: 445.567 ms

Loss rate: 1.25%

Run 4: Report of PCC-Vivace — Data Link



Run 5: Statistics of PCC-Vivace

Start at: 2019-11-24 17:44:10

End at: 2019-11-24 17:44:40

Local clock offset: -0.169 ms

Remote clock offset: 0.555 ms

Below is generated by plot.py at 2019-11-24 18:20:39

Datalink statistics

-- Total of 3 flows:

Average throughput: 64.53 Mbit/s

95th percentile per-packet one-way delay: 172.174 ms

Loss rate: 1.11%

-- Flow 1:

Average throughput: 26.70 Mbit/s

95th percentile per-packet one-way delay: 2.863 ms

Loss rate: 0.02%

-- Flow 2:

Average throughput: 41.65 Mbit/s

95th percentile per-packet one-way delay: 5.264 ms

Loss rate: 0.03%

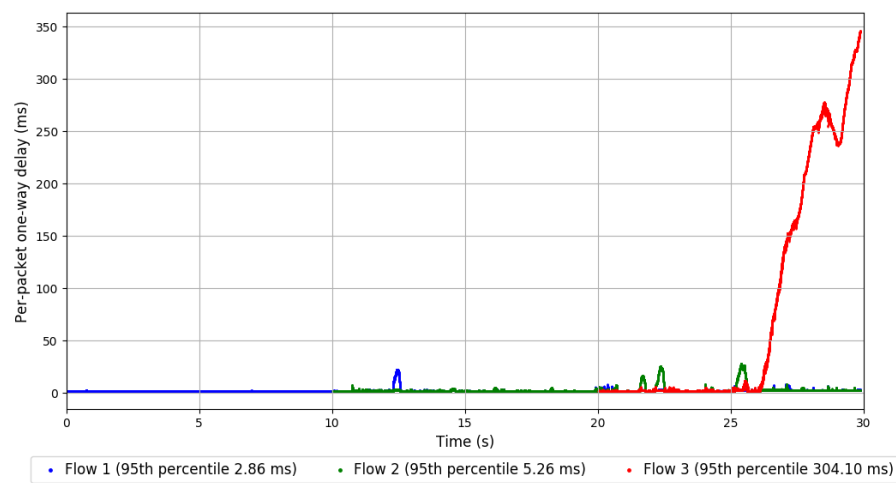
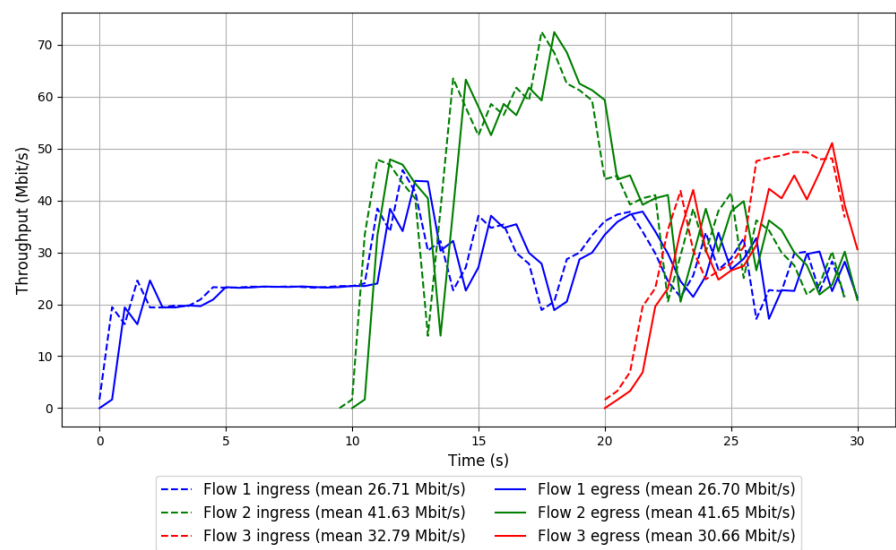
-- Flow 3:

Average throughput: 30.66 Mbit/s

95th percentile per-packet one-way delay: 304.103 ms

Loss rate: 6.54%

Run 5: Report of PCC-Vivace — Data Link

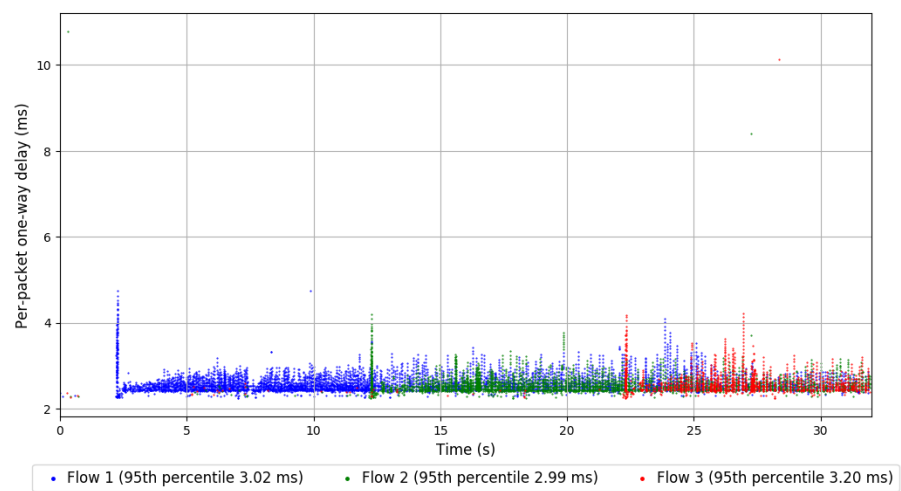
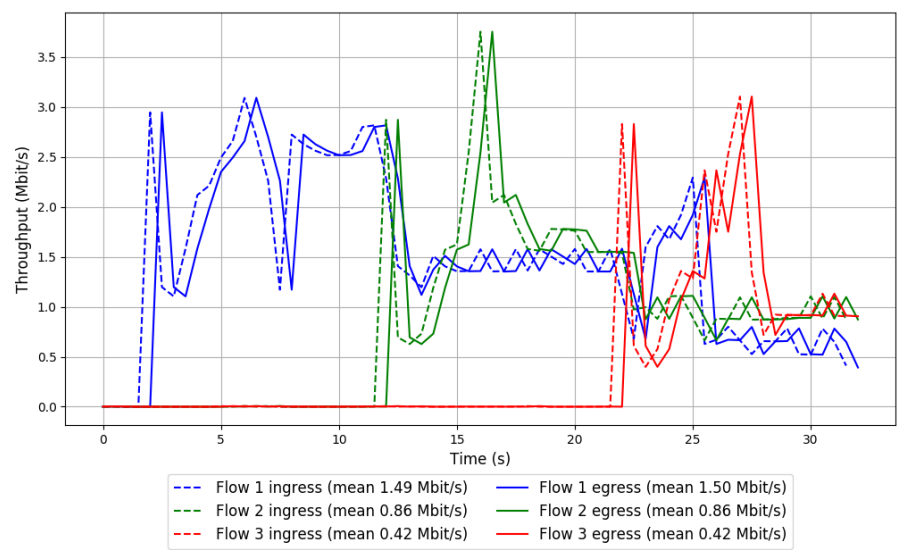


Run 1: Statistics of WebRTC media

Start at: 2019-11-24 16:00:14
End at: 2019-11-24 16:00:44
Local clock offset: 0.225 ms
Remote clock offset: -0.419 ms

Below is generated by plot.py at 2019-11-24 18:20:39
Datalink statistics
-- Total of 3 flows:
Average throughput: 2.76 Mbit/s
95th percentile per-packet one-way delay: 3.041 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 1.50 Mbit/s
95th percentile per-packet one-way delay: 3.022 ms
Loss rate: 0.04%
-- Flow 2:
Average throughput: 0.86 Mbit/s
95th percentile per-packet one-way delay: 2.988 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.42 Mbit/s
95th percentile per-packet one-way delay: 3.201 ms
Loss rate: 0.00%

Run 1: Report of WebRTC media — Data Link

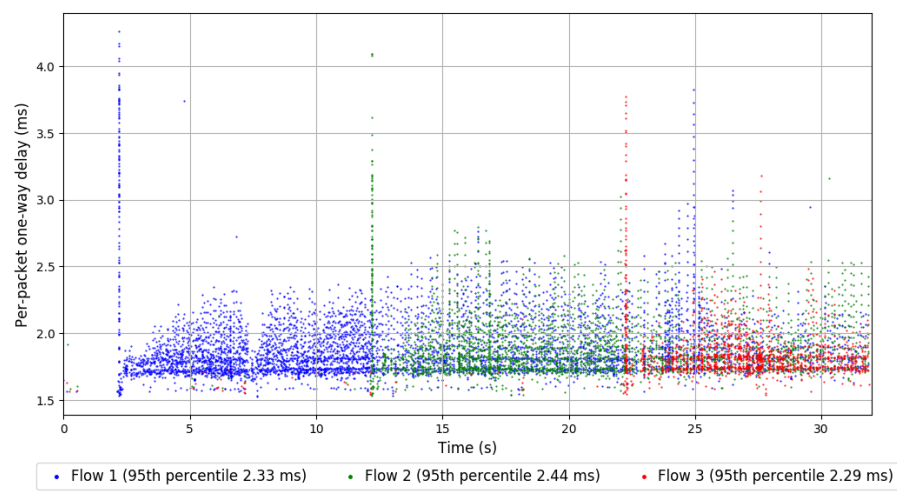
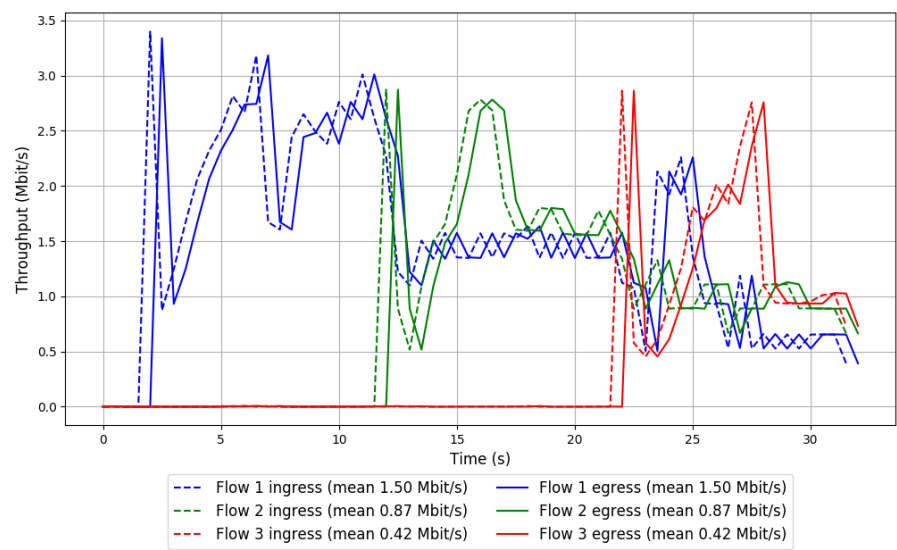


Run 2: Statistics of WebRTC media

Start at: 2019-11-24 16:27:40
End at: 2019-11-24 16:28:10
Local clock offset: -1.488 ms
Remote clock offset: -0.124 ms

Below is generated by plot.py at 2019-11-24 18:20:39
Datalink statistics
-- Total of 3 flows:
Average throughput: 2.78 Mbit/s
95th percentile per-packet one-way delay: 2.367 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 1.50 Mbit/s
95th percentile per-packet one-way delay: 2.330 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.87 Mbit/s
95th percentile per-packet one-way delay: 2.437 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.42 Mbit/s
95th percentile per-packet one-way delay: 2.295 ms
Loss rate: 0.00%

Run 2: Report of WebRTC media — Data Link



Run 3: Statistics of WebRTC media

Start at: 2019-11-24 16:55:07

End at: 2019-11-24 16:55:37

Local clock offset: -1.285 ms

Remote clock offset: 0.271 ms

Below is generated by plot.py at 2019-11-24 18:20:39

Datalink statistics

-- Total of 3 flows:

Average throughput: 2.64 Mbit/s

95th percentile per-packet one-way delay: 2.220 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 1.45 Mbit/s

95th percentile per-packet one-way delay: 2.243 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 0.85 Mbit/s

95th percentile per-packet one-way delay: 2.193 ms

Loss rate: 0.00%

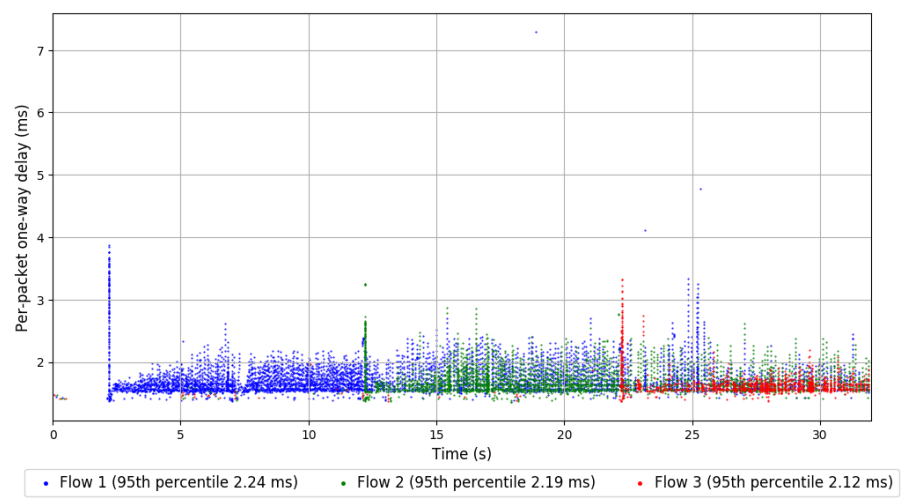
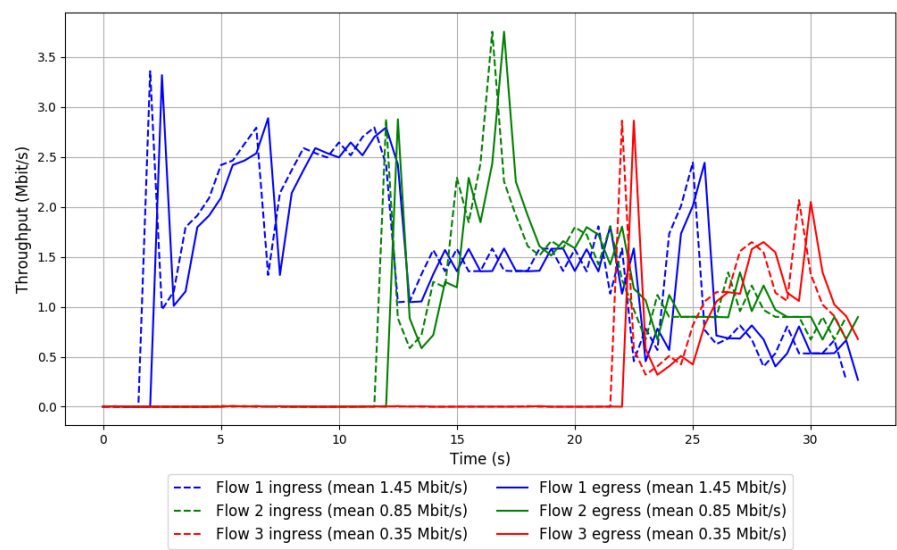
-- Flow 3:

Average throughput: 0.35 Mbit/s

95th percentile per-packet one-way delay: 2.118 ms

Loss rate: 0.00%

Run 3: Report of WebRTC media — Data Link



Run 4: Statistics of WebRTC media

Start at: 2019-11-24 17:22:31

End at: 2019-11-24 17:23:01

Local clock offset: 0.562 ms

Remote clock offset: 0.338 ms

Below is generated by plot.py at 2019-11-24 18:20:39

Datalink statistics

-- Total of 3 flows:

Average throughput: 2.76 Mbit/s

95th percentile per-packet one-way delay: 3.159 ms

Loss rate: 0.04%

-- Flow 1:

Average throughput: 1.49 Mbit/s

95th percentile per-packet one-way delay: 3.172 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 0.86 Mbit/s

95th percentile per-packet one-way delay: 3.172 ms

Loss rate: 0.00%

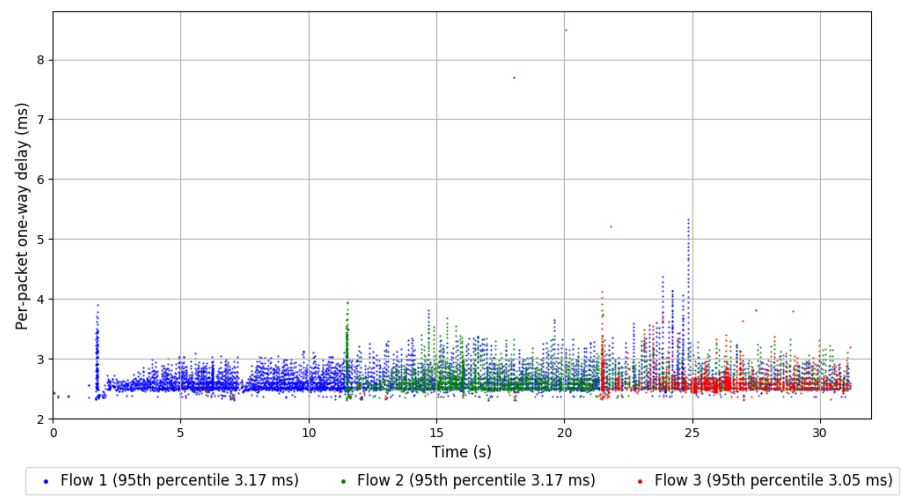
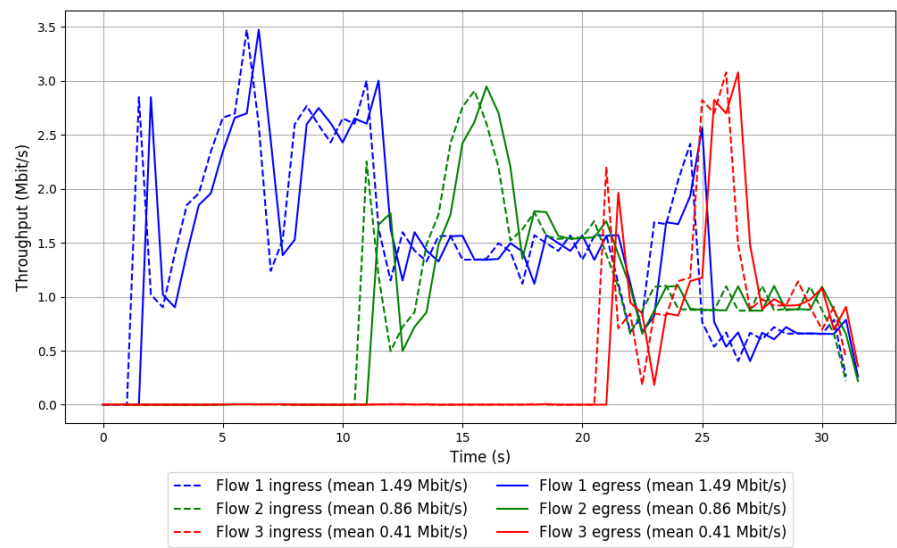
-- Flow 3:

Average throughput: 0.41 Mbit/s

95th percentile per-packet one-way delay: 3.046 ms

Loss rate: 0.29%

Run 4: Report of WebRTC media — Data Link



Run 5: Statistics of WebRTC media

Start at: 2019-11-24 17:49:55

End at: 2019-11-24 17:50:25

Local clock offset: 0.3 ms

Remote clock offset: 0.634 ms

Below is generated by plot.py at 2019-11-24 18:20:39

Datalink statistics

-- Total of 3 flows:

Average throughput: 2.48 Mbit/s

95th percentile per-packet one-way delay: 2.953 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 1.49 Mbit/s

95th percentile per-packet one-way delay: 2.972 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 0.63 Mbit/s

95th percentile per-packet one-way delay: 2.729 ms

Loss rate: 0.00%

-- Flow 3:

Average throughput: 0.36 Mbit/s

95th percentile per-packet one-way delay: 3.377 ms

Loss rate: 0.00%

Run 5: Report of WebRTC media — Data Link

