

Pantheon Report

Generated at 2019-08-27 14:00:17 (UTC).

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

Repeated the test of 24 congestion control schemes 5 times.

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

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

System info:

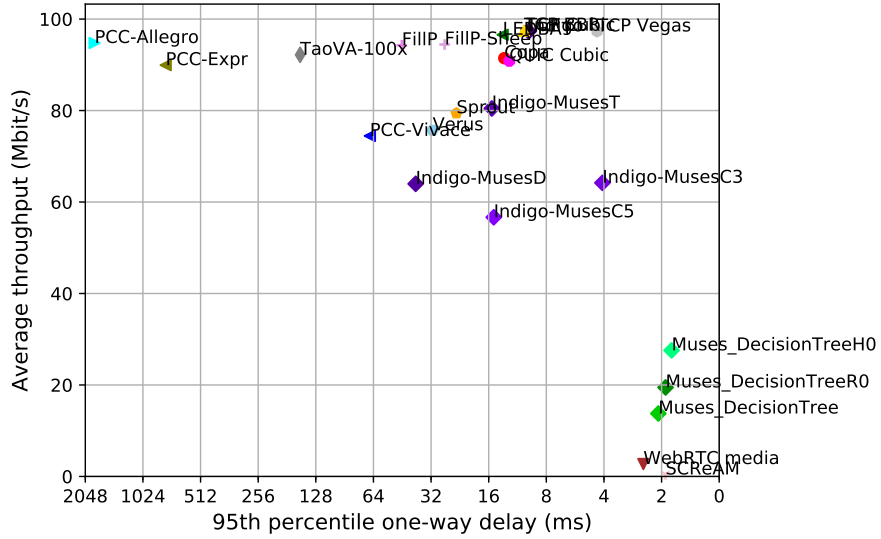
```
Linux 4.15.0-1043-aws
net.core.default_qdisc = fq
net.core.rmem_default = 16777216
net.core.rmem_max = 536870912
net.core.wmem_default = 16777216
net.core.wmem_max = 536870912
net.ipv4.tcp_rmem = 4096 16777216 536870912
net.ipv4.tcp_wmem = 4096 16777216 536870912
```

Git summary:

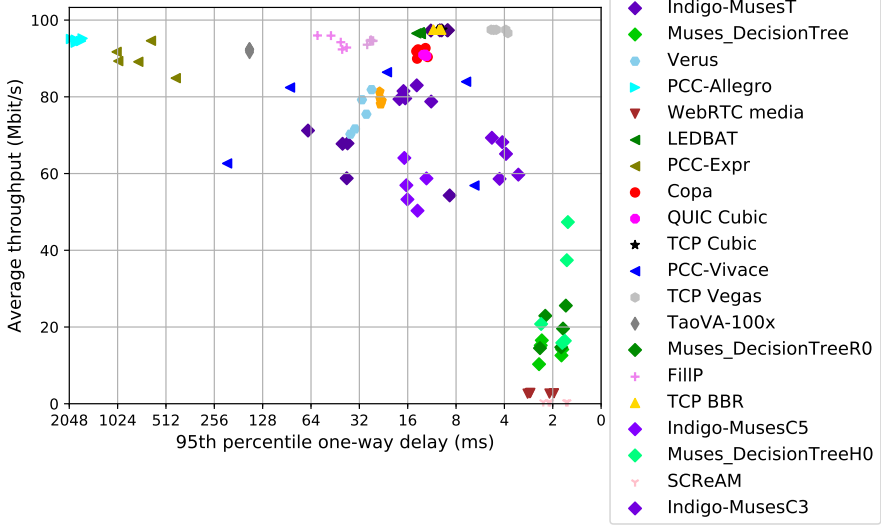
```
branch: muses @ de42328552b3776a75a932a94dfafd722537b0ec
third_party/fillp @ d6da1459332fcee56963885d7eba17e6a32d4519
third_party/fillp-sheep @ 0e5bb722943babcd2b090d2c64fcd45e12e923f9
third_party/genericCC @ d0153f8e594aa89e93b032143cedbdf58e562f4
third_party/indigo @ 2601c92e4aa9d58d38dc4dfe0ecdbf90c077e64d
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	59.24	40.96	32.99	10.43	10.37	10.51	0.53	0.74	0.95
Copa	5	54.47	39.86	31.38	12.40	13.04	15.50	0.04	0.10	0.12
TCP Cubic	5	59.58	40.65	32.49	10.33	10.07	10.23	0.08	0.15	0.24
FillP	5	56.96	41.69	28.77	31.98	45.67	49.81	0.15	1.28	1.68
FillP-Sheep	5	57.12	39.35	33.56	23.51	26.83	39.48	0.06	0.06	0.17
Indigo	5	59.72	40.61	32.34	9.40	10.23	8.50	0.03	0.39	0.10
Indigo-MusesC3	5	45.00	23.26	18.45	3.78	4.23	4.93	0.01	0.04	0.12
Indigo-MusesC5	5	30.46	28.65	32.10	11.79	15.43	18.10	0.03	0.06	0.20
Indigo-MusesD	5	38.88	22.85	42.50	9.25	10.37	48.24	0.04	0.07	2.29
Indigo-MusesT	5	51.10	37.17	24.77	14.09	16.15	16.25	0.02	0.07	0.22
LEDBAT	5	59.15	39.97	32.48	13.10	13.89	13.42	0.13	0.23	0.37
Muses_DecisionTree	5	7.39	6.48	6.44	2.08	2.05	2.17	0.01	0.02	0.02
Muses_DecisionTreeH0	5	19.78	8.80	6.18	1.63	1.69	1.74	0.01	0.02	0.02
Muses_DecisionTreeR0	5	12.76	6.73	7.04	1.83	1.87	1.93	0.01	0.01	0.03
PCC-Allegro	5	62.01	35.46	27.89	1966.77	929.50	41.18	15.51	8.47	0.32
PCC-Expr	5	55.18	38.06	28.57	540.15	636.43	102.39	18.53	8.26	0.22
QUIC Cubic	5	53.90	40.07	31.09	12.46	12.25	12.84	0.17	0.29	0.46
SCReAM	5	0.22	0.22	0.22	1.86	1.85	1.84	0.00	0.00	0.14
Sprout	5	43.01	38.76	32.19	22.30	23.56	24.88	0.10	0.13	0.34
TaoVA-100x	5	55.21	39.61	31.81	154.05	154.87	154.58	0.52	1.05	2.72
TCP Vegas	5	51.71	48.87	39.19	3.42	3.97	4.70	0.01	0.02	0.05
Verus	5	41.45	35.62	31.70	27.22	27.28	121.65	0.02	0.06	0.19
PCC-Vivace	5	42.66	34.94	25.91	17.69	77.15	66.51	0.15	0.20	1.00
WebRTC media	5	1.50	0.84	0.39	2.45	2.45	2.72	0.00	0.13	0.08

Run 1: Statistics of TCP BBR

Start at: 2019-08-27 11:26:08
End at: 2019-08-27 11:26:38
Local clock offset: -0.306 ms
Remote clock offset: -0.621 ms

Below is generated by plot.py at 2019-08-27 13:46:27

Datalink statistics

-- Total of 3 flows:

Average throughput: 97.48 Mbit/s
95th percentile per-packet one-way delay: 10.215 ms
Loss rate: 0.62%

-- Flow 1:

Average throughput: 59.24 Mbit/s
95th percentile per-packet one-way delay: 10.316 ms
Loss rate: 0.59%

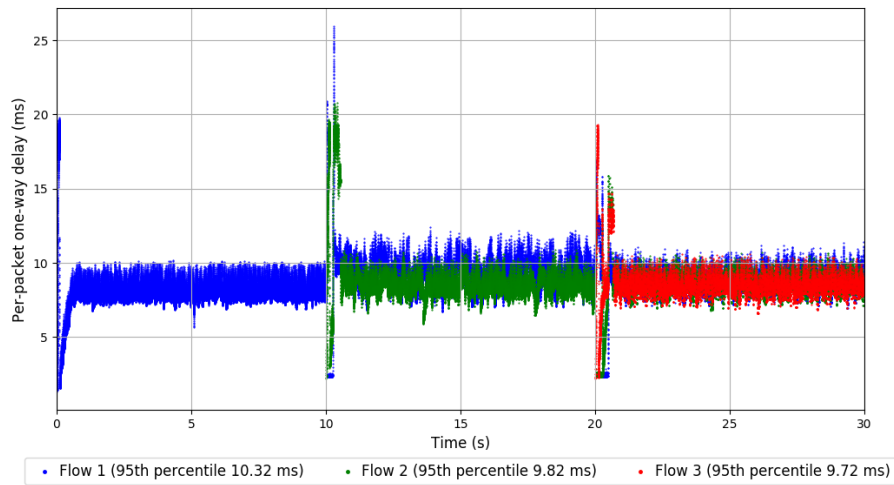
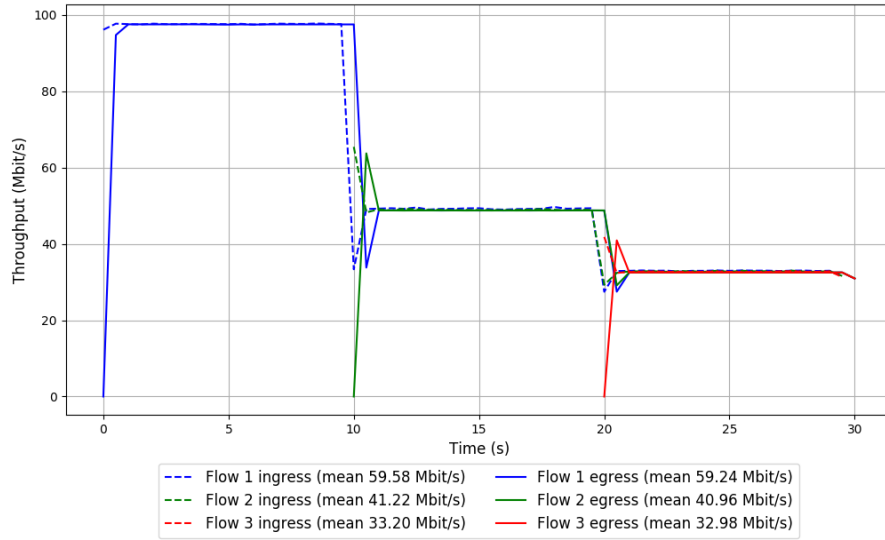
-- Flow 2:

Average throughput: 40.96 Mbit/s
95th percentile per-packet one-way delay: 9.818 ms
Loss rate: 0.64%

-- Flow 3:

Average throughput: 32.98 Mbit/s
95th percentile per-packet one-way delay: 9.720 ms
Loss rate: 0.70%

Run 1: Report of TCP BBR — Data Link



Run 2: Statistics of TCP BBR

Start at: 2019-08-27 11:53:39

End at: 2019-08-27 11:54:09

Local clock offset: -0.228 ms

Remote clock offset: -0.11 ms

Below is generated by plot.py at 2019-08-27 13:46:27

Datalink statistics

-- Total of 3 flows:

Average throughput: 97.47 Mbit/s

95th percentile per-packet one-way delay: 11.087 ms

Loss rate: 0.75%

-- Flow 1:

Average throughput: 59.26 Mbit/s

95th percentile per-packet one-way delay: 10.641 ms

Loss rate: 0.53%

-- Flow 2:

Average throughput: 40.90 Mbit/s

95th percentile per-packet one-way delay: 11.968 ms

Loss rate: 1.02%

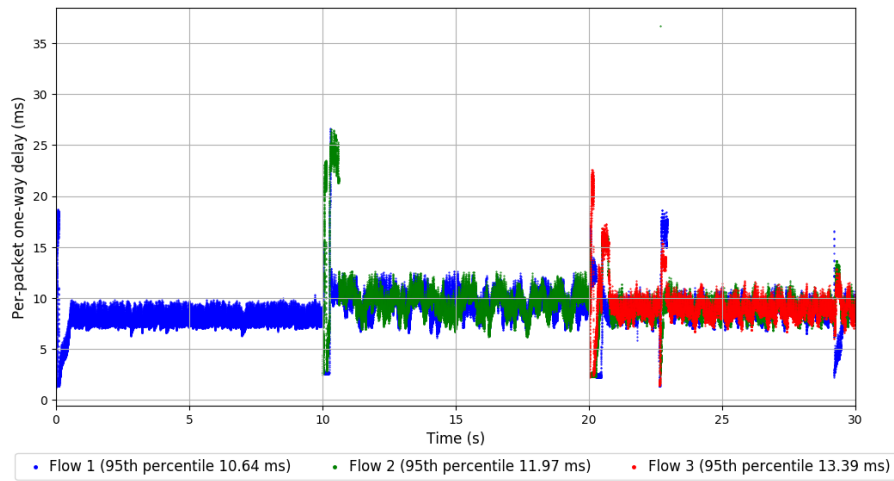
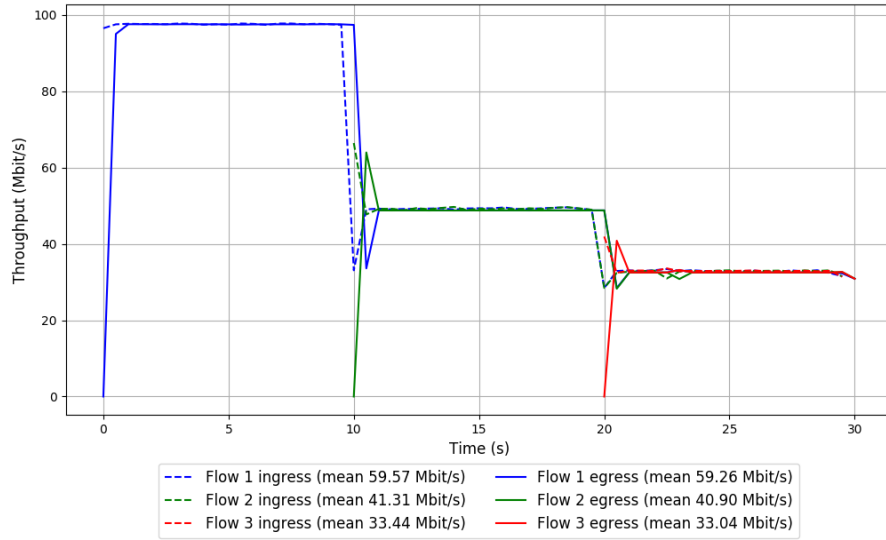
-- Flow 3:

Average throughput: 33.04 Mbit/s

95th percentile per-packet one-way delay: 13.394 ms

Loss rate: 1.25%

Run 2: Report of TCP BBR — Data Link



Run 3: Statistics of TCP BBR

Start at: 2019-08-27 12:21:09

End at: 2019-08-27 12:21:39

Local clock offset: -0.14 ms

Remote clock offset: 0.382 ms

Below is generated by plot.py at 2019-08-27 13:46:27

Datalink statistics

-- Total of 3 flows:

Average throughput: 97.48 Mbit/s

95th percentile per-packet one-way delay: 9.887 ms

Loss rate: 0.60%

-- Flow 1:

Average throughput: 59.24 Mbit/s

95th percentile per-packet one-way delay: 9.885 ms

Loss rate: 0.36%

-- Flow 2:

Average throughput: 40.98 Mbit/s

95th percentile per-packet one-way delay: 9.763 ms

Loss rate: 0.79%

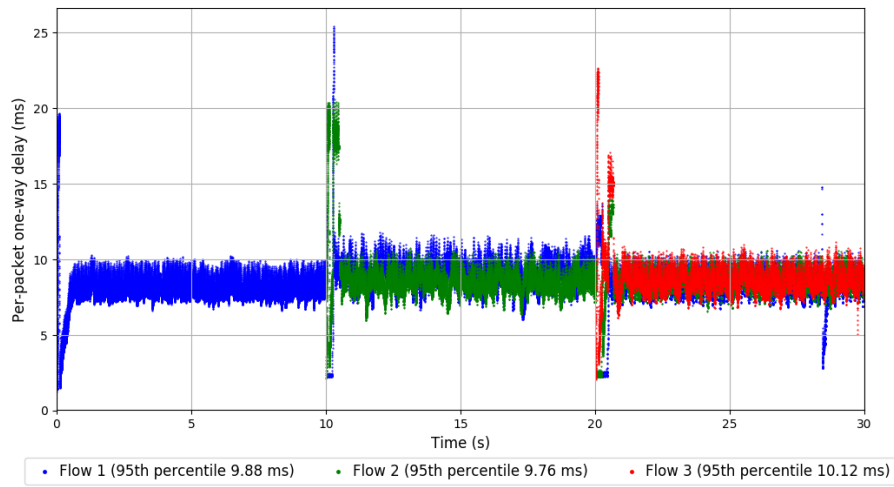
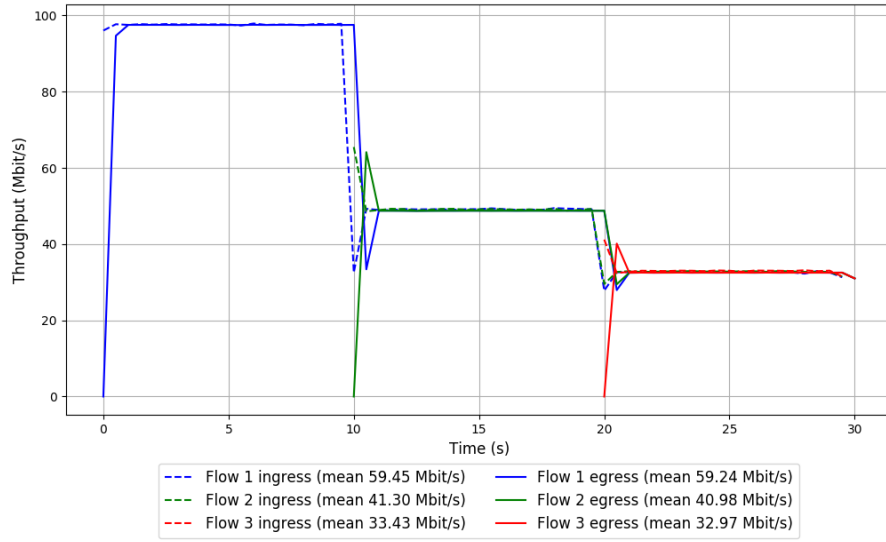
-- Flow 3:

Average throughput: 32.97 Mbit/s

95th percentile per-packet one-way delay: 10.118 ms

Loss rate: 1.42%

Run 3: Report of TCP BBR — Data Link



Run 4: Statistics of TCP BBR

Start at: 2019-08-27 12:48:40

End at: 2019-08-27 12:49:10

Local clock offset: -0.211 ms

Remote clock offset: 0.62 ms

Below is generated by plot.py at 2019-08-27 13:46:27

Datalink statistics

-- Total of 3 flows:

Average throughput: 97.48 Mbit/s

95th percentile per-packet one-way delay: 10.073 ms

Loss rate: 0.65%

-- Flow 1:

Average throughput: 59.24 Mbit/s

95th percentile per-packet one-way delay: 10.177 ms

Loss rate: 0.56%

-- Flow 2:

Average throughput: 40.98 Mbit/s

95th percentile per-packet one-way delay: 9.783 ms

Loss rate: 0.81%

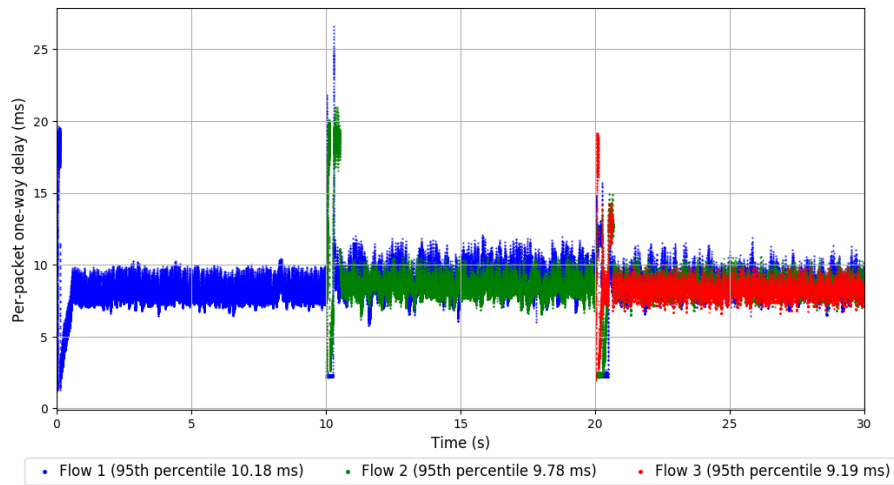
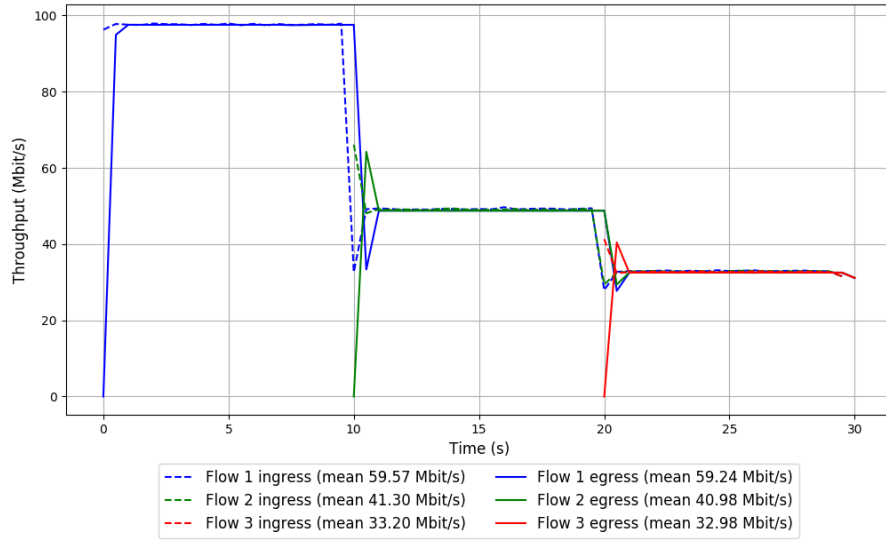
-- Flow 3:

Average throughput: 32.98 Mbit/s

95th percentile per-packet one-way delay: 9.191 ms

Loss rate: 0.72%

Run 4: Report of TCP BBR — Data Link



Run 5: Statistics of TCP BBR

Start at: 2019-08-27 13:16:11

End at: 2019-08-27 13:16:41

Local clock offset: 0.605 ms

Remote clock offset: 0.775 ms

Below is generated by plot.py at 2019-08-27 13:46:27

Datalink statistics

-- Total of 3 flows:

Average throughput: 97.48 Mbit/s

95th percentile per-packet one-way delay: 11.049 ms

Loss rate: 0.56%

-- Flow 1:

Average throughput: 59.22 Mbit/s

95th percentile per-packet one-way delay: 11.138 ms

Loss rate: 0.60%

-- Flow 2:

Average throughput: 40.99 Mbit/s

95th percentile per-packet one-way delay: 10.495 ms

Loss rate: 0.43%

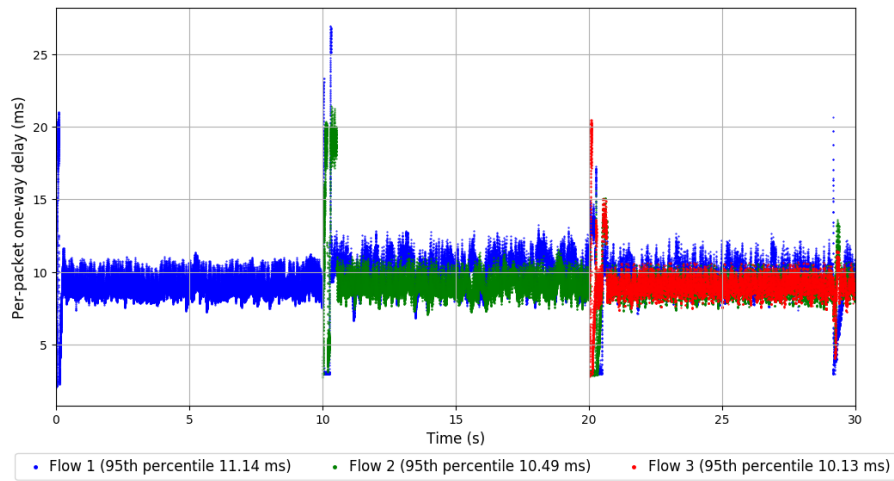
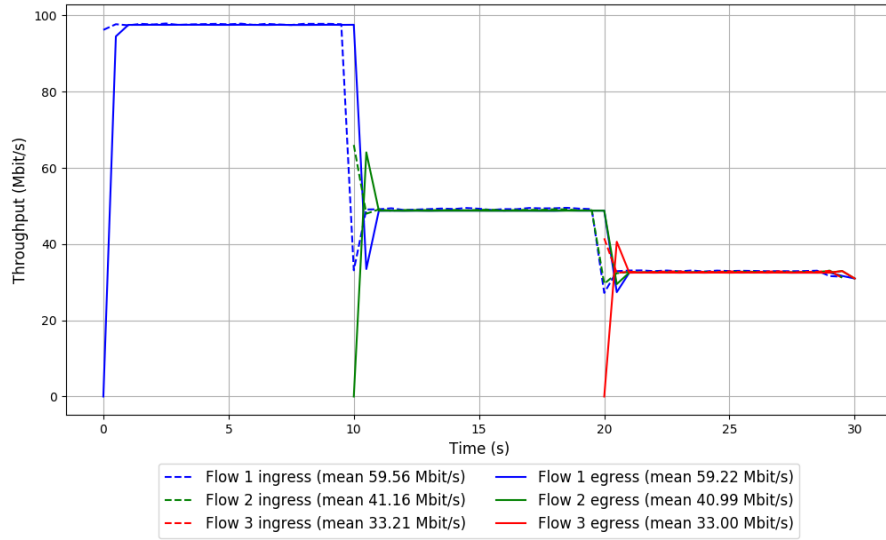
-- Flow 3:

Average throughput: 33.00 Mbit/s

95th percentile per-packet one-way delay: 10.126 ms

Loss rate: 0.67%

Run 5: Report of TCP BBR — Data Link

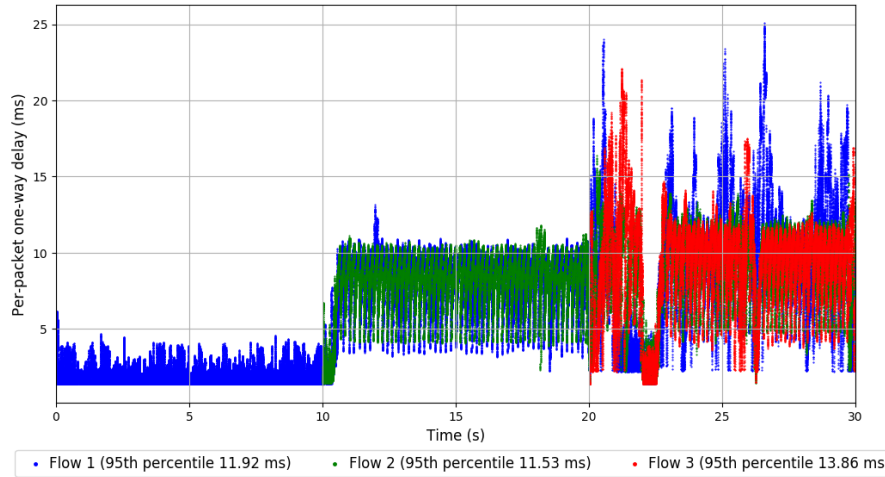
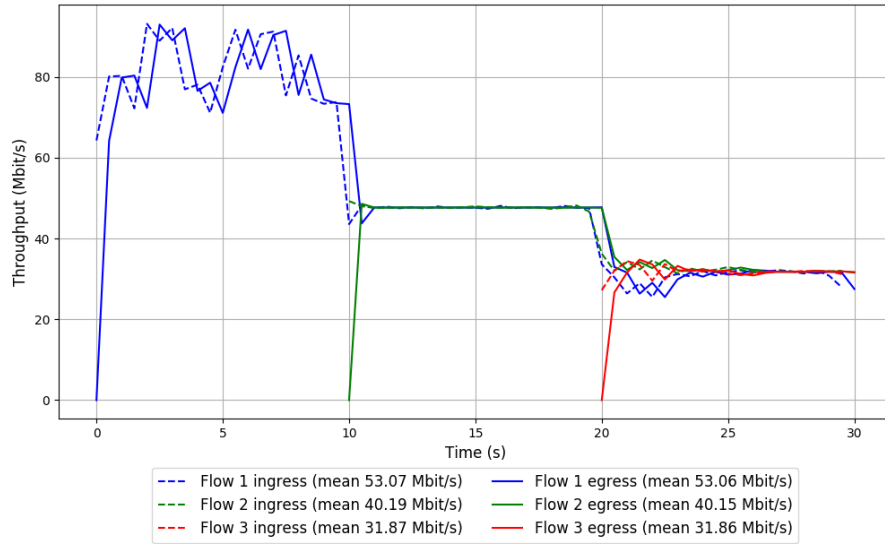


Run 1: Statistics of Copa

Start at: 2019-08-27 11:52:27
End at: 2019-08-27 11:52:57
Local clock offset: -0.25 ms
Remote clock offset: -0.129 ms

```
# Below is generated by plot.py at 2019-08-27 13:47:20
# Datalink statistics
-- Total of 3 flows:
Average throughput: 90.38 Mbit/s
95th percentile per-packet one-way delay: 12.019 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 53.06 Mbit/s
95th percentile per-packet one-way delay: 11.916 ms
Loss rate: 0.03%
-- Flow 2:
Average throughput: 40.15 Mbit/s
95th percentile per-packet one-way delay: 11.534 ms
Loss rate: 0.10%
-- Flow 3:
Average throughput: 31.86 Mbit/s
95th percentile per-packet one-way delay: 13.859 ms
Loss rate: 0.08%
```

Run 1: Report of Copa — Data Link



Run 2: Statistics of Copa

Start at: 2019-08-27 12:19:57

End at: 2019-08-27 12:20:27

Local clock offset: 0.611 ms

Remote clock offset: 0.361 ms

Below is generated by plot.py at 2019-08-27 13:47:23

Datalink statistics

-- Total of 3 flows:

Average throughput: 92.35 Mbit/s

95th percentile per-packet one-way delay: 13.790 ms

Loss rate: 0.08%

-- Flow 1:

Average throughput: 55.34 Mbit/s

95th percentile per-packet one-way delay: 13.151 ms

Loss rate: 0.05%

-- Flow 2:

Average throughput: 39.90 Mbit/s

95th percentile per-packet one-way delay: 13.418 ms

Loss rate: 0.13%

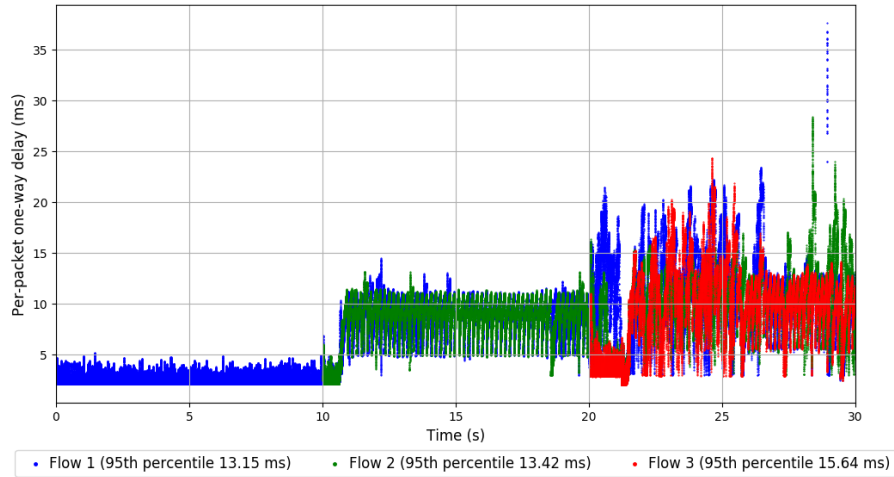
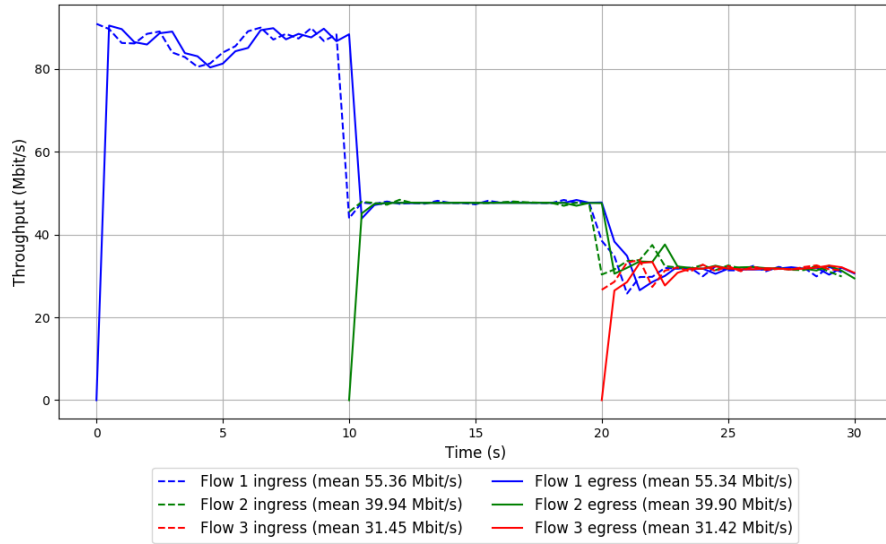
-- Flow 3:

Average throughput: 31.42 Mbit/s

95th percentile per-packet one-way delay: 15.641 ms

Loss rate: 0.16%

Run 2: Report of Copa — Data Link



Run 3: Statistics of Copa

Start at: 2019-08-27 12:47:27

End at: 2019-08-27 12:47:57

Local clock offset: 0.563 ms

Remote clock offset: 0.544 ms

Below is generated by plot.py at 2019-08-27 13:47:23

Datalink statistics

-- Total of 3 flows:

Average throughput: 91.87 Mbit/s

95th percentile per-packet one-way delay: 14.137 ms

Loss rate: 0.07%

-- Flow 1:

Average throughput: 55.07 Mbit/s

95th percentile per-packet one-way delay: 11.692 ms

Loss rate: 0.05%

-- Flow 2:

Average throughput: 39.94 Mbit/s

95th percentile per-packet one-way delay: 12.869 ms

Loss rate: 0.11%

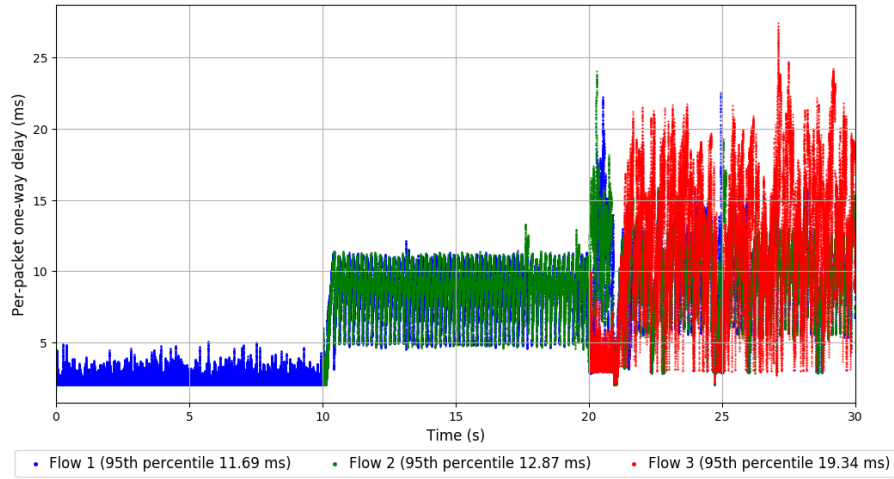
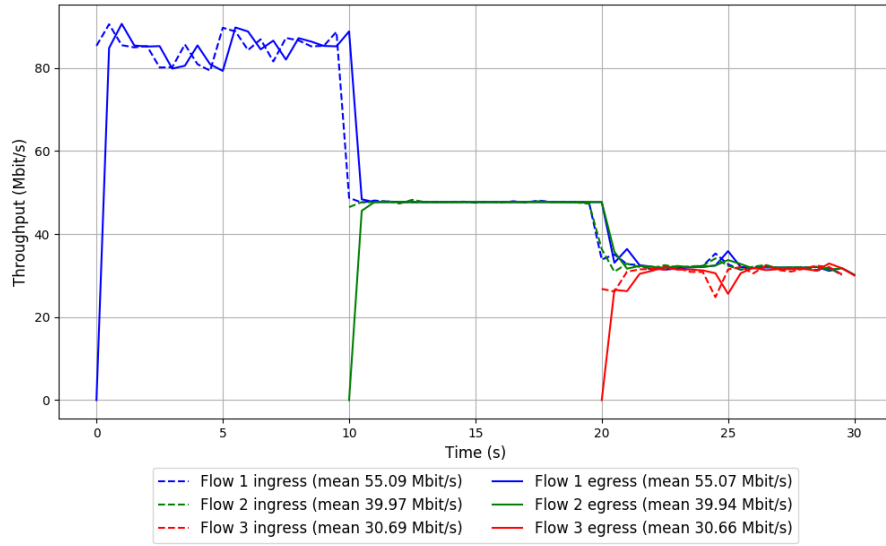
-- Flow 3:

Average throughput: 30.66 Mbit/s

95th percentile per-packet one-way delay: 19.339 ms

Loss rate: 0.14%

Run 3: Report of Copa — Data Link



Run 4: Statistics of Copa

Start at: 2019-08-27 13:14:59

End at: 2019-08-27 13:15:29

Local clock offset: 0.591 ms

Remote clock offset: 0.683 ms

Below is generated by plot.py at 2019-08-27 13:48:28

Datalink statistics

-- Total of 3 flows:

Average throughput: 92.70 Mbit/s

95th percentile per-packet one-way delay: 12.403 ms

Loss rate: 0.07%

-- Flow 1:

Average throughput: 55.75 Mbit/s

95th percentile per-packet one-way delay: 12.050 ms

Loss rate: 0.04%

-- Flow 2:

Average throughput: 40.28 Mbit/s

95th percentile per-packet one-way delay: 12.253 ms

Loss rate: 0.08%

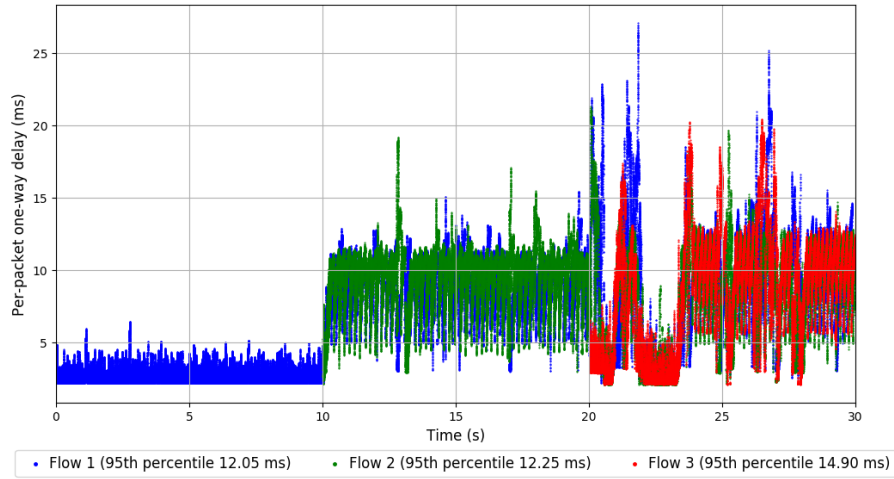
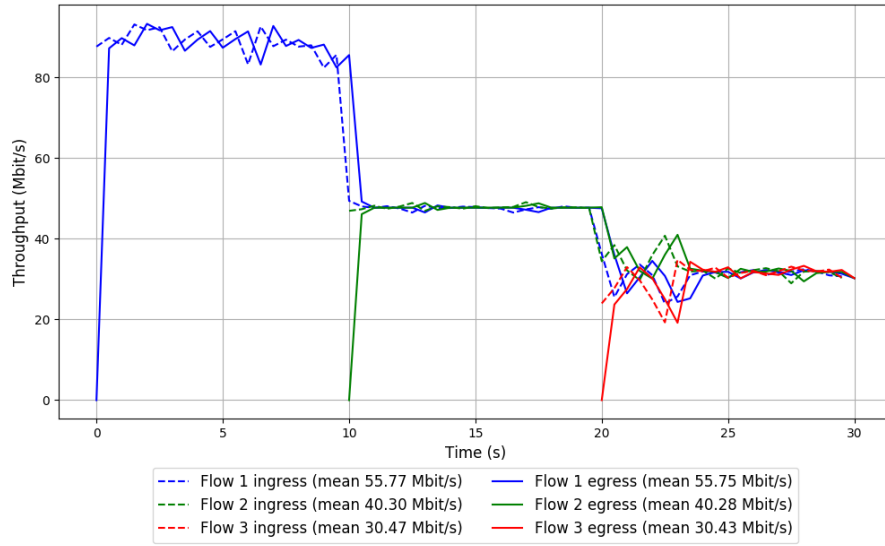
-- Flow 3:

Average throughput: 30.43 Mbit/s

95th percentile per-packet one-way delay: 14.902 ms

Loss rate: 0.16%

Run 4: Report of Copa — Data Link



Run 5: Statistics of Copa

Start at: 2019-08-27 13:42:31

End at: 2019-08-27 13:43:01

Local clock offset: 0.716 ms

Remote clock offset: 0.666 ms

Below is generated by plot.py at 2019-08-27 13:48:28

Datalink statistics

-- Total of 3 flows:

Average throughput: 89.96 Mbit/s

95th percentile per-packet one-way delay: 13.978 ms

Loss rate: 0.06%

-- Flow 1:

Average throughput: 53.12 Mbit/s

95th percentile per-packet one-way delay: 13.203 ms

Loss rate: 0.04%

-- Flow 2:

Average throughput: 39.05 Mbit/s

95th percentile per-packet one-way delay: 15.142 ms

Loss rate: 0.10%

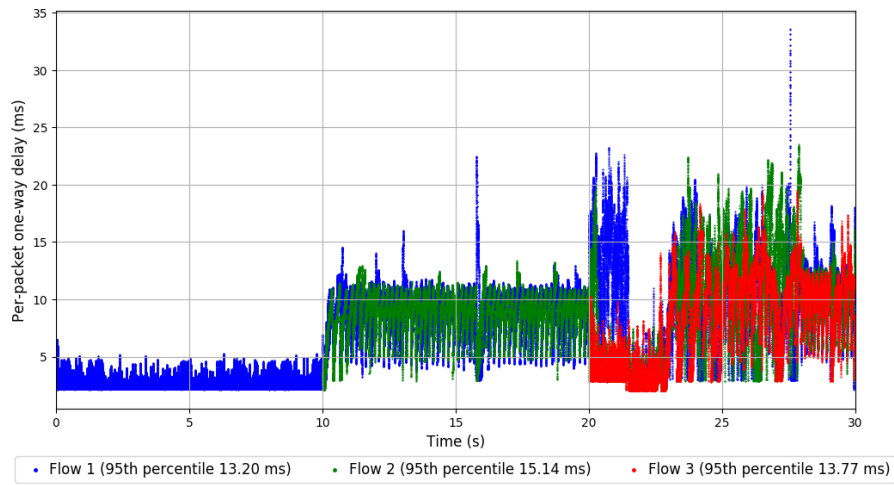
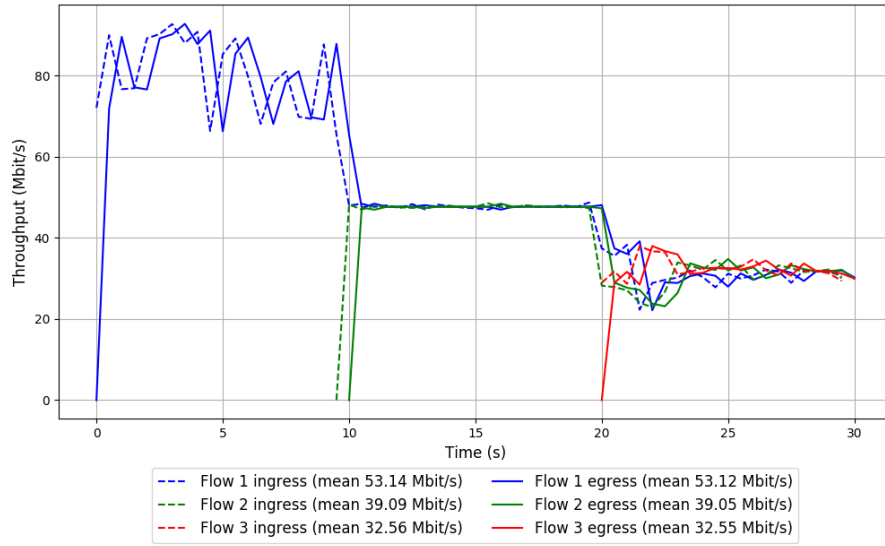
-- Flow 3:

Average throughput: 32.55 Mbit/s

95th percentile per-packet one-way delay: 13.772 ms

Loss rate: 0.08%

Run 5: Report of Copa — Data Link



Run 1: Statistics of TCP Cubic

Start at: 2019-08-27 11:45:34
End at: 2019-08-27 11:46:04
Local clock offset: 0.447 ms
Remote clock offset: -0.192 ms

Below is generated by plot.py at 2019-08-27 13:48:28

Datalink statistics

-- Total of 3 flows:

Average throughput: 97.33 Mbit/s
95th percentile per-packet one-way delay: 10.217 ms
Loss rate: 0.12%

-- Flow 1:

Average throughput: 59.48 Mbit/s
95th percentile per-packet one-way delay: 10.315 ms
Loss rate: 0.09%

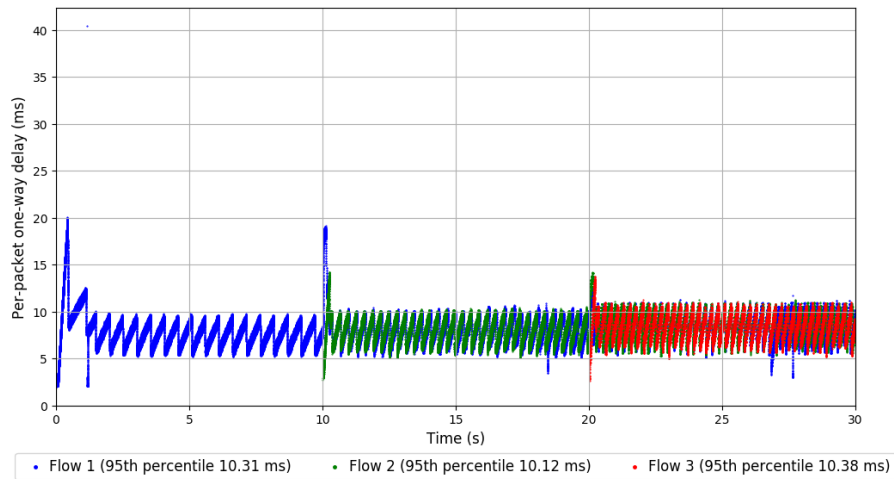
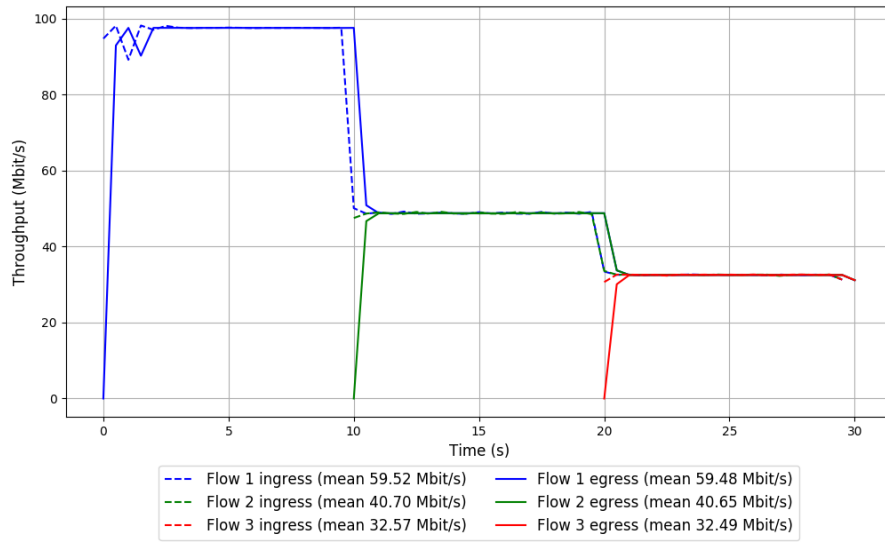
-- Flow 2:

Average throughput: 40.65 Mbit/s
95th percentile per-packet one-way delay: 10.121 ms
Loss rate: 0.15%

-- Flow 3:

Average throughput: 32.49 Mbit/s
95th percentile per-packet one-way delay: 10.384 ms
Loss rate: 0.26%

Run 1: Report of TCP Cubic — Data Link



Run 2: Statistics of TCP Cubic

Start at: 2019-08-27 12:13:04

End at: 2019-08-27 12:13:34

Local clock offset: 0.633 ms

Remote clock offset: 0.198 ms

Below is generated by plot.py at 2019-08-27 13:48:28

Datalink statistics

-- Total of 3 flows:

Average throughput: 97.49 Mbit/s

95th percentile per-packet one-way delay: 10.388 ms

Loss rate: 0.11%

-- Flow 1:

Average throughput: 59.64 Mbit/s

95th percentile per-packet one-way delay: 10.696 ms

Loss rate: 0.08%

-- Flow 2:

Average throughput: 40.65 Mbit/s

95th percentile per-packet one-way delay: 10.323 ms

Loss rate: 0.14%

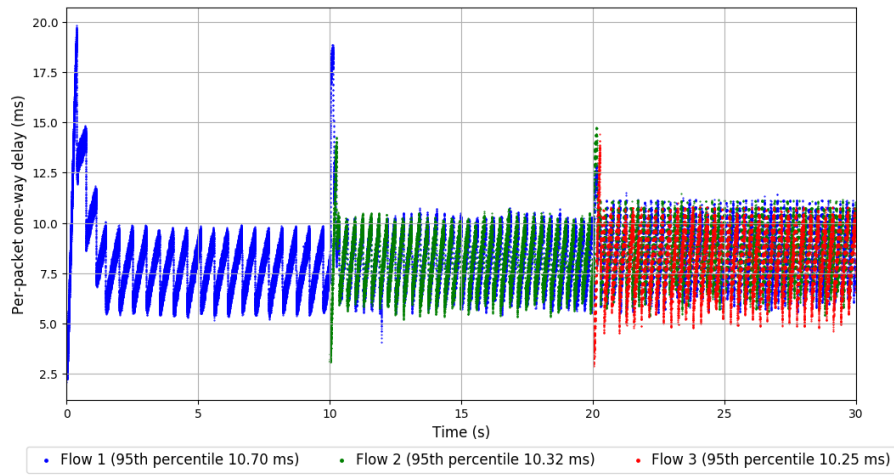
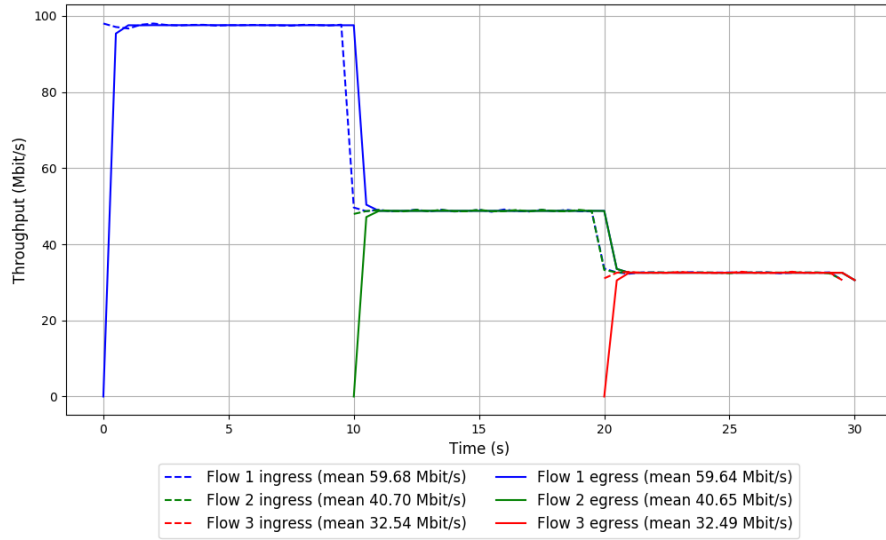
-- Flow 3:

Average throughput: 32.49 Mbit/s

95th percentile per-packet one-way delay: 10.247 ms

Loss rate: 0.20%

Run 2: Report of TCP Cubic — Data Link



Run 3: Statistics of TCP Cubic

Start at: 2019-08-27 12:40:34

End at: 2019-08-27 12:41:04

Local clock offset: -0.131 ms

Remote clock offset: 0.562 ms

Below is generated by plot.py at 2019-08-27 13:48:28

Datalink statistics

-- Total of 3 flows:

Average throughput: 97.50 Mbit/s

95th percentile per-packet one-way delay: 9.695 ms

Loss rate: 0.12%

-- Flow 1:

Average throughput: 59.64 Mbit/s

95th percentile per-packet one-way delay: 9.941 ms

Loss rate: 0.08%

-- Flow 2:

Average throughput: 40.65 Mbit/s

95th percentile per-packet one-way delay: 9.409 ms

Loss rate: 0.15%

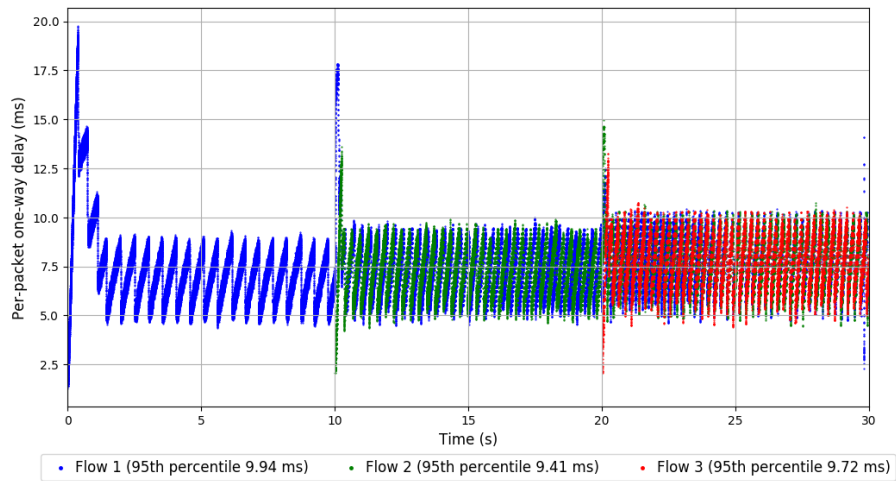
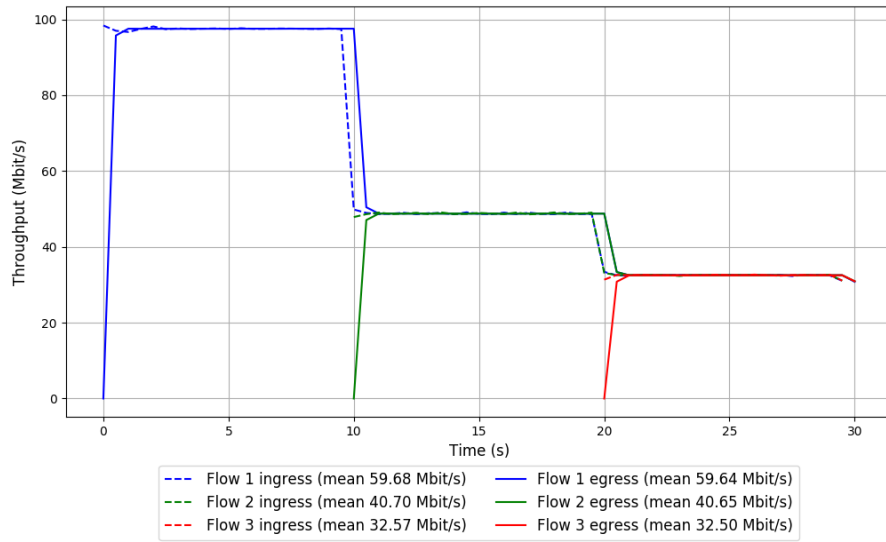
-- Flow 3:

Average throughput: 32.50 Mbit/s

95th percentile per-packet one-way delay: 9.724 ms

Loss rate: 0.25%

Run 3: Report of TCP Cubic — Data Link



Run 4: Statistics of TCP Cubic

Start at: 2019-08-27 13:08:05

End at: 2019-08-27 13:08:35

Local clock offset: 0.575 ms

Remote clock offset: 0.703 ms

Below is generated by plot.py at 2019-08-27 13:48:28

Datalink statistics

-- Total of 3 flows:

Average throughput: 97.46 Mbit/s

95th percentile per-packet one-way delay: 10.313 ms

Loss rate: 0.11%

-- Flow 1:

Average throughput: 59.58 Mbit/s

95th percentile per-packet one-way delay: 10.327 ms

Loss rate: 0.07%

-- Flow 2:

Average throughput: 40.64 Mbit/s

95th percentile per-packet one-way delay: 10.187 ms

Loss rate: 0.15%

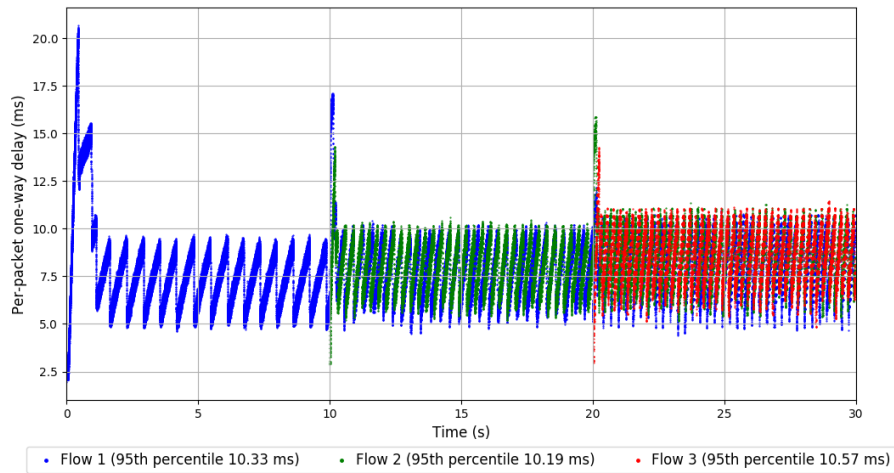
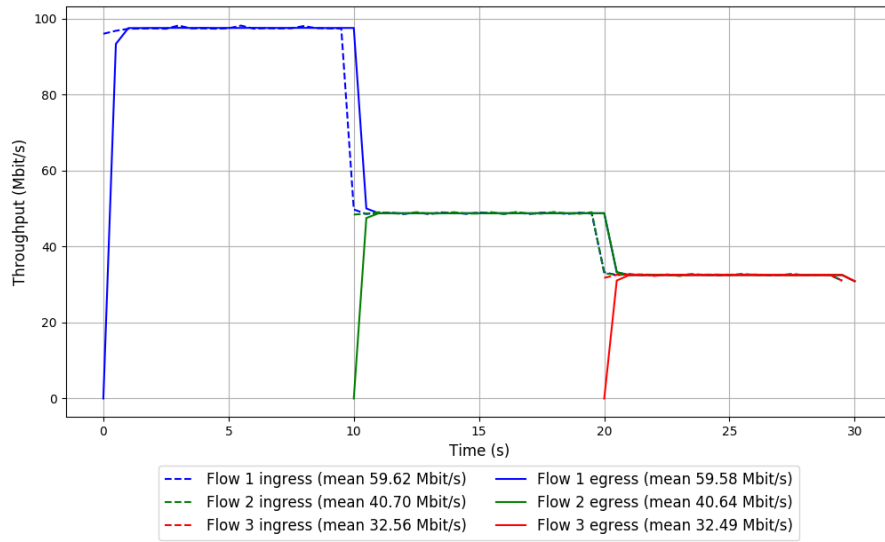
-- Flow 3:

Average throughput: 32.49 Mbit/s

95th percentile per-packet one-way delay: 10.572 ms

Loss rate: 0.24%

Run 4: Report of TCP Cubic — Data Link



Run 5: Statistics of TCP Cubic

Start at: 2019-08-27 13:35:37

End at: 2019-08-27 13:36:07

Local clock offset: 0.704 ms

Remote clock offset: 0.655 ms

Below is generated by plot.py at 2019-08-27 13:48:28

Datalink statistics

-- Total of 3 flows:

Average throughput: 97.47 Mbit/s

95th percentile per-packet one-way delay: 10.336 ms

Loss rate: 0.11%

-- Flow 1:

Average throughput: 59.57 Mbit/s

95th percentile per-packet one-way delay: 10.392 ms

Loss rate: 0.07%

-- Flow 2:

Average throughput: 40.65 Mbit/s

95th percentile per-packet one-way delay: 10.335 ms

Loss rate: 0.14%

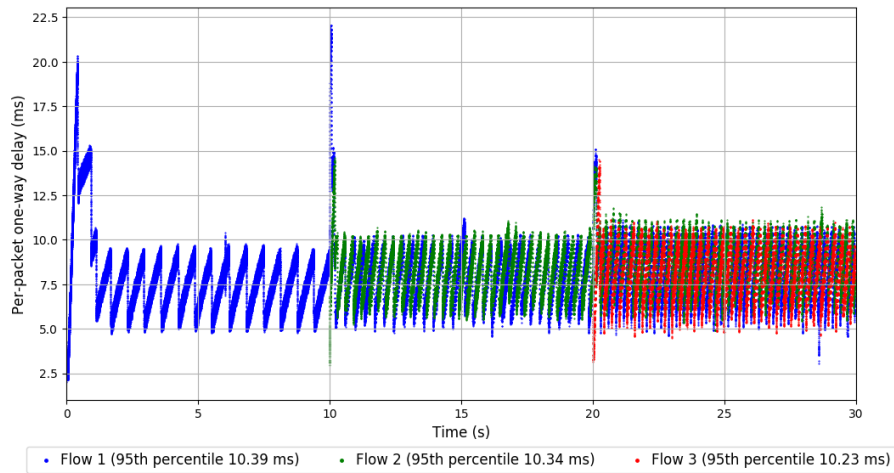
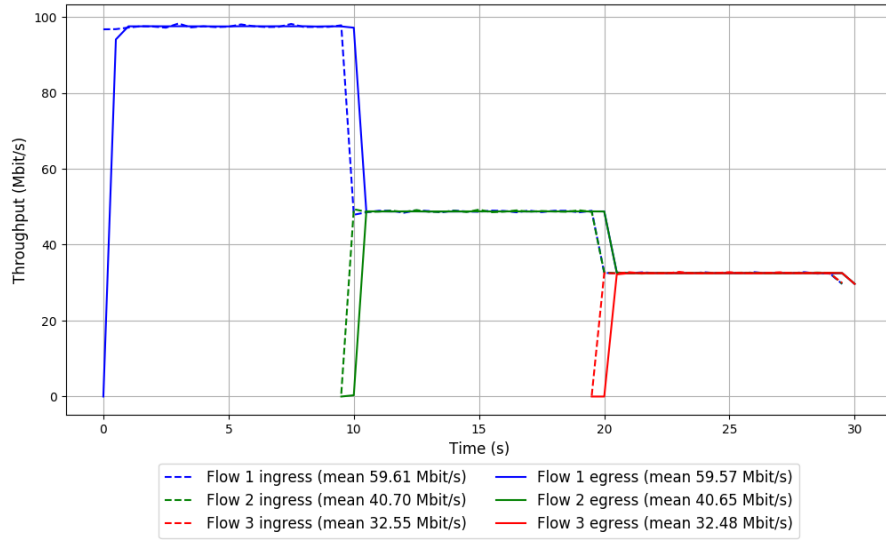
-- Flow 3:

Average throughput: 32.48 Mbit/s

95th percentile per-packet one-way delay: 10.234 ms

Loss rate: 0.23%

Run 5: Report of TCP Cubic — Data Link



Run 1: Statistics of FillP

Start at: 2019-08-27 11:30:39
End at: 2019-08-27 11:31:09
Local clock offset: 0.407 ms
Remote clock offset: -0.579 ms

Below is generated by plot.py at 2019-08-27 13:48:43

Datalink statistics

-- Total of 3 flows:

Average throughput: 92.84 Mbit/s
95th percentile per-packet one-way delay: 38.385 ms
Loss rate: 0.30%

-- Flow 1:

Average throughput: 62.82 Mbit/s
95th percentile per-packet one-way delay: 37.173 ms
Loss rate: 0.18%

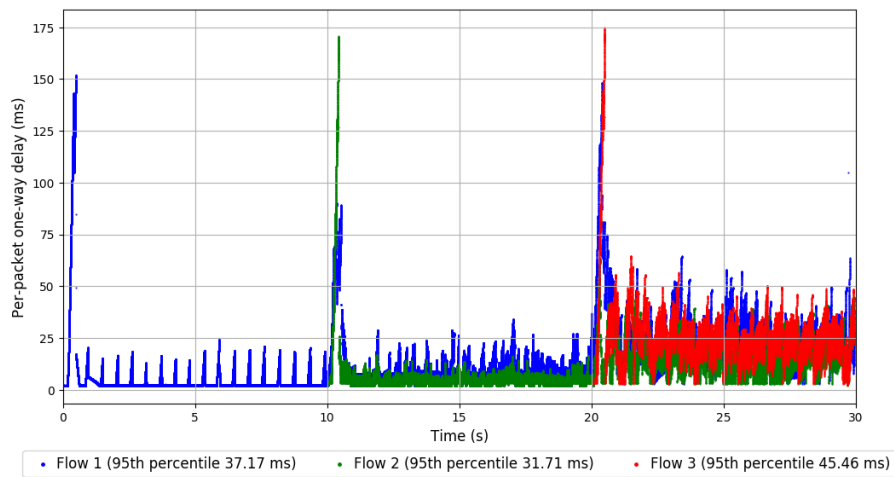
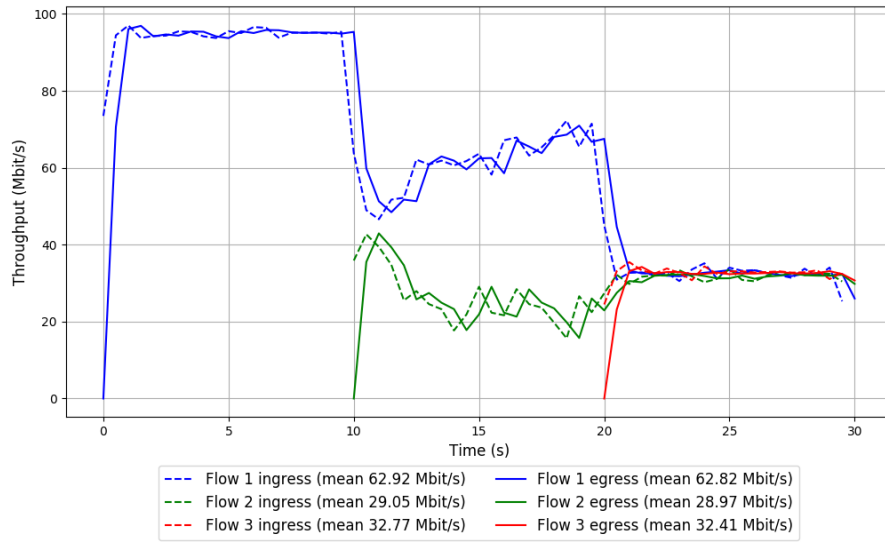
-- Flow 2:

Average throughput: 28.97 Mbit/s
95th percentile per-packet one-way delay: 31.713 ms
Loss rate: 0.25%

-- Flow 3:

Average throughput: 32.41 Mbit/s
95th percentile per-packet one-way delay: 45.460 ms
Loss rate: 1.13%

Run 1: Report of FillP — Data Link



Run 2: Statistics of FillP

Start at: 2019-08-27 11:58:10

End at: 2019-08-27 11:58:40

Local clock offset: 0.568 ms

Remote clock offset: 0.006 ms

Below is generated by plot.py at 2019-08-27 13:48:57

Datalink statistics

-- Total of 3 flows:

Average throughput: 95.95 Mbit/s

95th percentile per-packet one-way delay: 48.073 ms

Loss rate: 1.08%

-- Flow 1:

Average throughput: 52.93 Mbit/s

95th percentile per-packet one-way delay: 25.979 ms

Loss rate: 0.07%

-- Flow 2:

Average throughput: 48.51 Mbit/s

95th percentile per-packet one-way delay: 57.500 ms

Loss rate: 2.33%

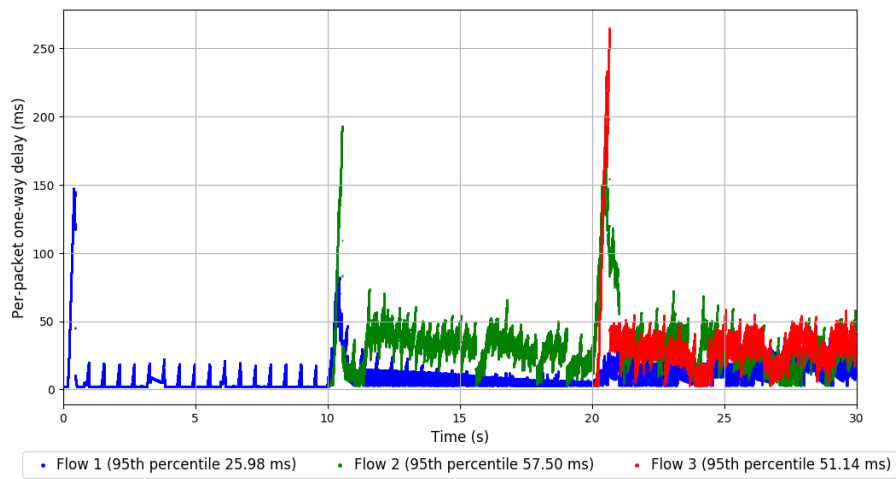
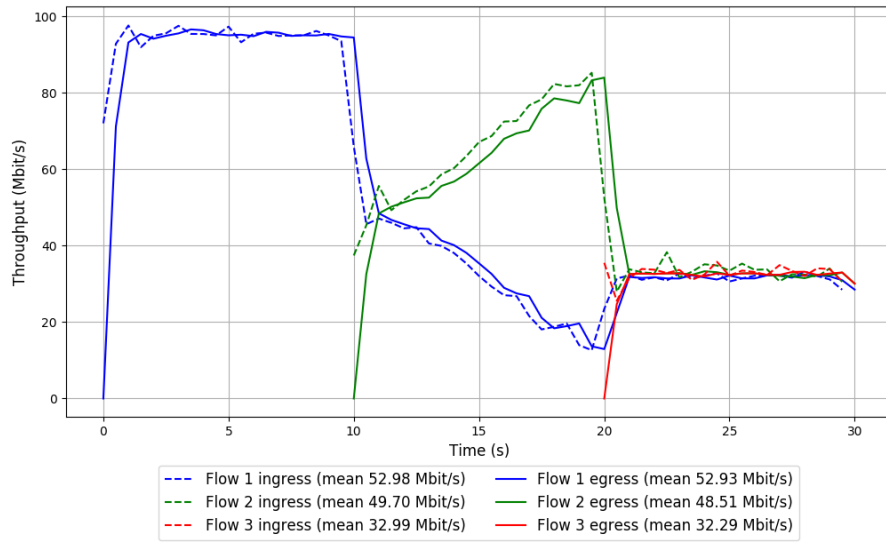
-- Flow 3:

Average throughput: 32.29 Mbit/s

95th percentile per-packet one-way delay: 51.142 ms

Loss rate: 2.15%

Run 2: Report of FillP — Data Link



Run 3: Statistics of FillP

Start at: 2019-08-27 12:25:41

End at: 2019-08-27 12:26:11

Local clock offset: 0.649 ms

Remote clock offset: 0.373 ms

Below is generated by plot.py at 2019-08-27 13:48:57

Datalink statistics

-- Total of 3 flows:

Average throughput: 94.23 Mbit/s

95th percentile per-packet one-way delay: 41.771 ms

Loss rate: 0.42%

-- Flow 1:

Average throughput: 56.89 Mbit/s

95th percentile per-packet one-way delay: 34.557 ms

Loss rate: 0.22%

-- Flow 2:

Average throughput: 40.08 Mbit/s

95th percentile per-packet one-way delay: 37.601 ms

Loss rate: 0.19%

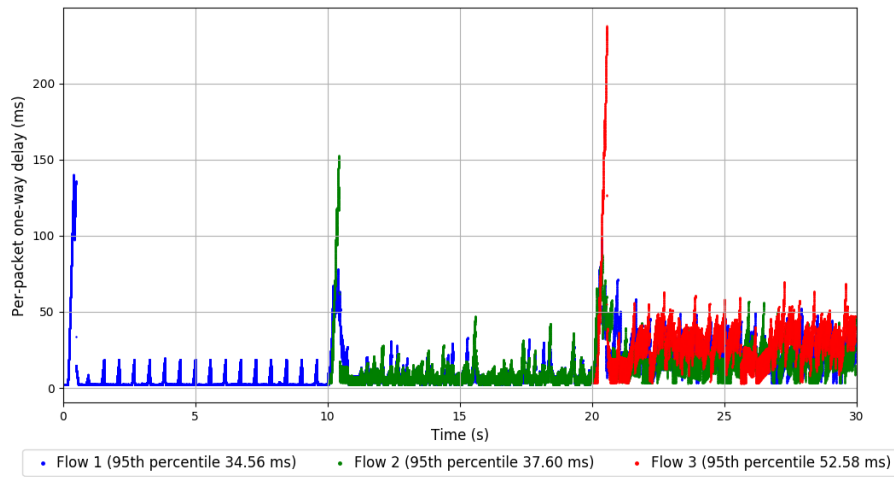
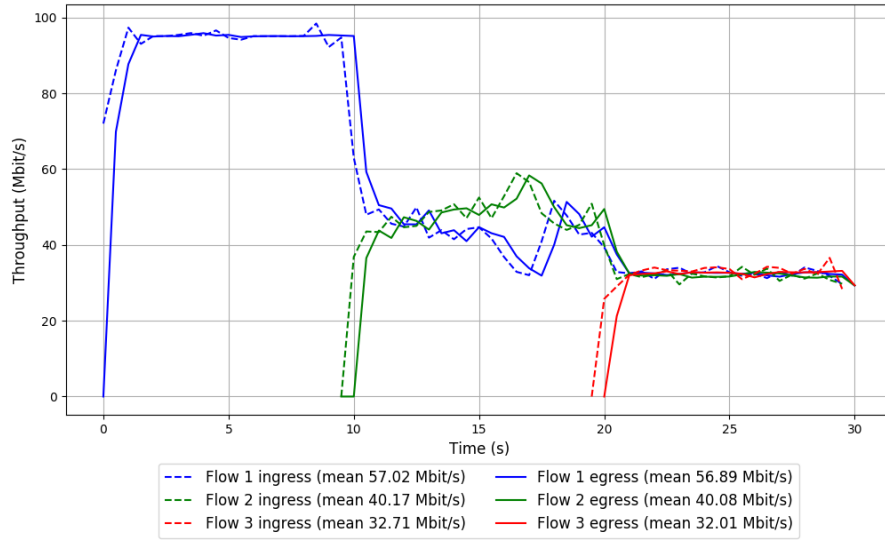
-- Flow 3:

Average throughput: 32.01 Mbit/s

95th percentile per-packet one-way delay: 52.582 ms

Loss rate: 2.02%

Run 3: Report of FillP — Data Link



Run 4: Statistics of FillP

Start at: 2019-08-27 12:53:11

End at: 2019-08-27 12:53:41

Local clock offset: 0.623 ms

Remote clock offset: 0.51 ms

Below is generated by plot.py at 2019-08-27 13:48:57

Datalink statistics

-- Total of 3 flows:

Average throughput: 95.99 Mbit/s

95th percentile per-packet one-way delay: 58.304 ms

Loss rate: 1.35%

-- Flow 1:

Average throughput: 56.20 Mbit/s

95th percentile per-packet one-way delay: 31.897 ms

Loss rate: 0.14%

-- Flow 2:

Average throughput: 51.79 Mbit/s

95th percentile per-packet one-way delay: 66.620 ms

Loss rate: 3.45%

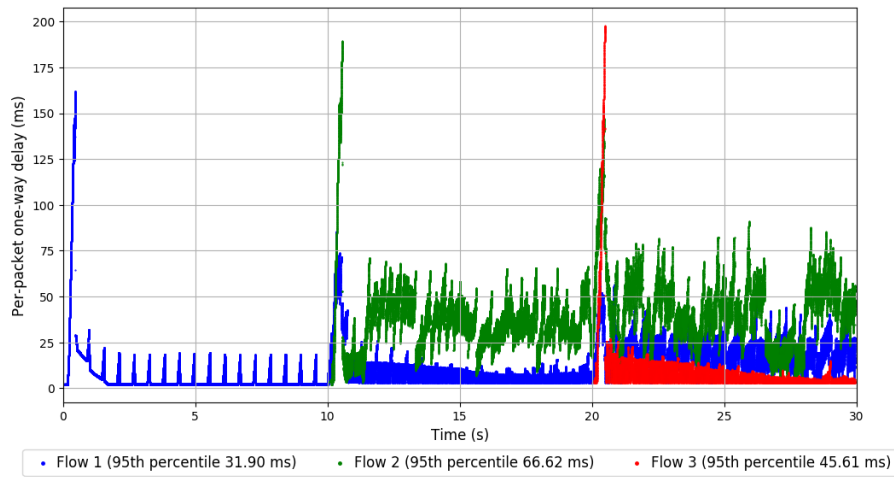
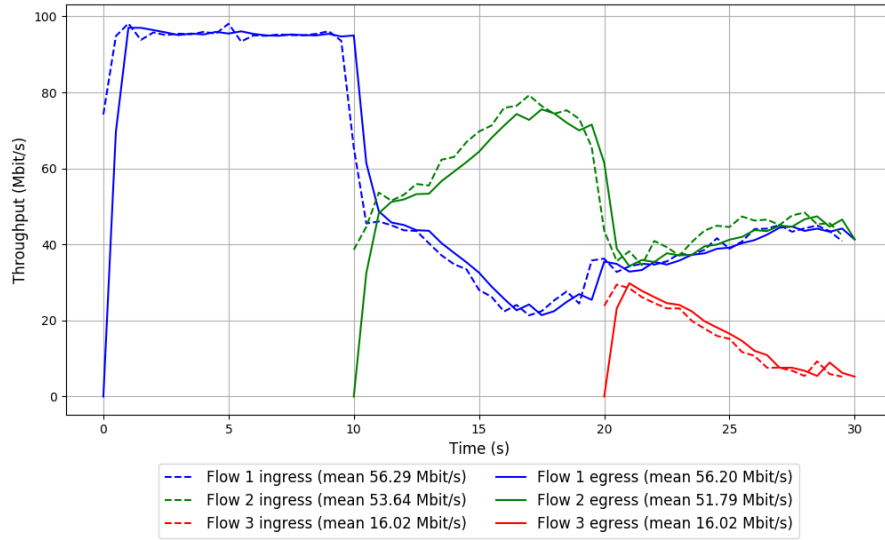
-- Flow 3:

Average throughput: 16.02 Mbit/s

95th percentile per-packet one-way delay: 45.611 ms

Loss rate: 0.02%

Run 4: Report of FillP — Data Link



Run 5: Statistics of FillP

Start at: 2019-08-27 13:20:42

End at: 2019-08-27 13:21:12

Local clock offset: 0.607 ms

Remote clock offset: 0.683 ms

Below is generated by plot.py at 2019-08-27 13:49:42

Datalink statistics

-- Total of 3 flows:

Average throughput: 92.36 Mbit/s

95th percentile per-packet one-way delay: 40.922 ms

Loss rate: 0.48%

-- Flow 1:

Average throughput: 55.96 Mbit/s

95th percentile per-packet one-way delay: 30.281 ms

Loss rate: 0.13%

-- Flow 2:

Average throughput: 39.12 Mbit/s

95th percentile per-packet one-way delay: 34.937 ms

Loss rate: 0.17%

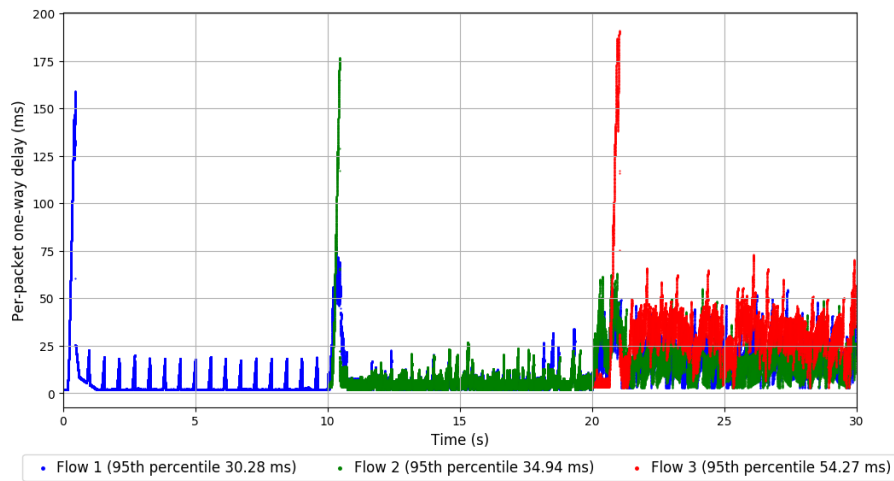
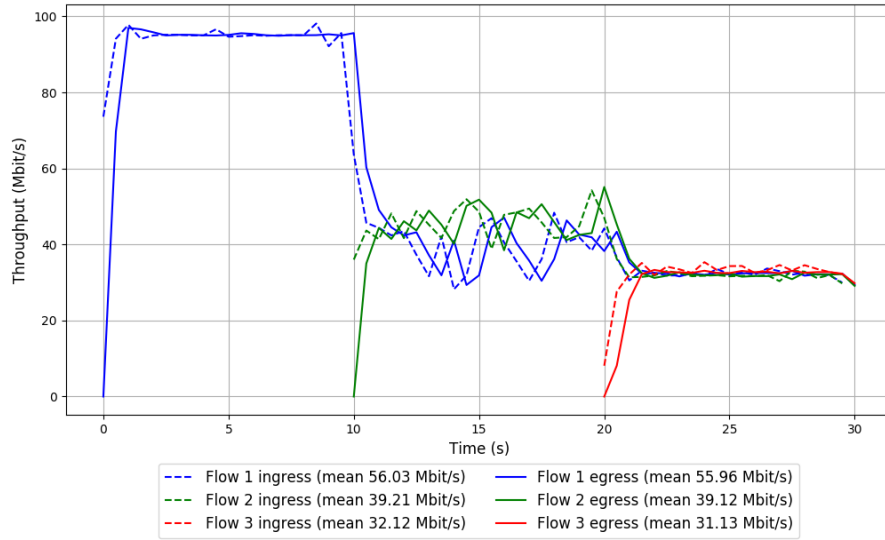
-- Flow 3:

Average throughput: 31.13 Mbit/s

95th percentile per-packet one-way delay: 54.271 ms

Loss rate: 3.07%

Run 5: Report of FillP — Data Link



Run 1: Statistics of FillP-Sheep

Start at: 2019-08-27 11:31:47
End at: 2019-08-27 11:32:17
Local clock offset: 0.498 ms
Remote clock offset: -0.538 ms

Below is generated by plot.py at 2019-08-27 13:49:48

Datalink statistics

-- Total of 3 flows:

Average throughput: 94.83 Mbit/s
95th percentile per-packet one-way delay: 27.108 ms
Loss rate: 0.07%

-- Flow 1:

Average throughput: 59.88 Mbit/s
95th percentile per-packet one-way delay: 26.776 ms
Loss rate: 0.05%

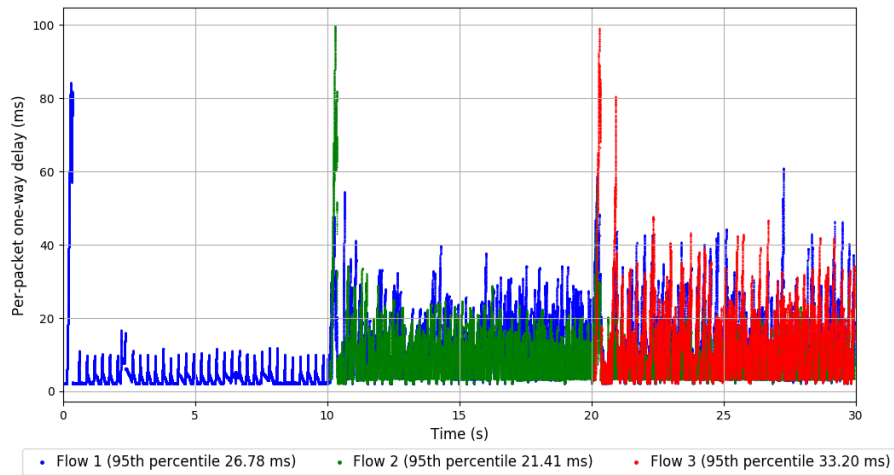
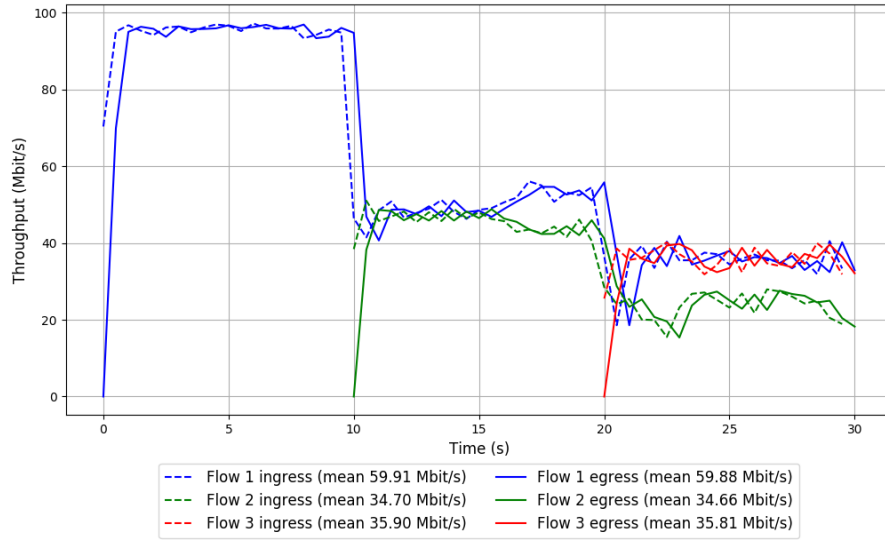
-- Flow 2:

Average throughput: 34.66 Mbit/s
95th percentile per-packet one-way delay: 21.414 ms
Loss rate: 0.10%

-- Flow 3:

Average throughput: 35.81 Mbit/s
95th percentile per-packet one-way delay: 33.204 ms
Loss rate: 0.15%

Run 1: Report of FillP-Sheep — Data Link



Run 2: Statistics of FillP-Sheep

Start at: 2019-08-27 11:59:19

End at: 2019-08-27 11:59:49

Local clock offset: 0.564 ms

Remote clock offset: 0.014 ms

Below is generated by plot.py at 2019-08-27 13:49:49

Datalink statistics

-- Total of 3 flows:

Average throughput: 94.54 Mbit/s

95th percentile per-packet one-way delay: 26.526 ms

Loss rate: 0.05%

-- Flow 1:

Average throughput: 53.45 Mbit/s

95th percentile per-packet one-way delay: 18.069 ms

Loss rate: 0.05%

-- Flow 2:

Average throughput: 43.79 Mbit/s

95th percentile per-packet one-way delay: 30.137 ms

Loss rate: 0.05%

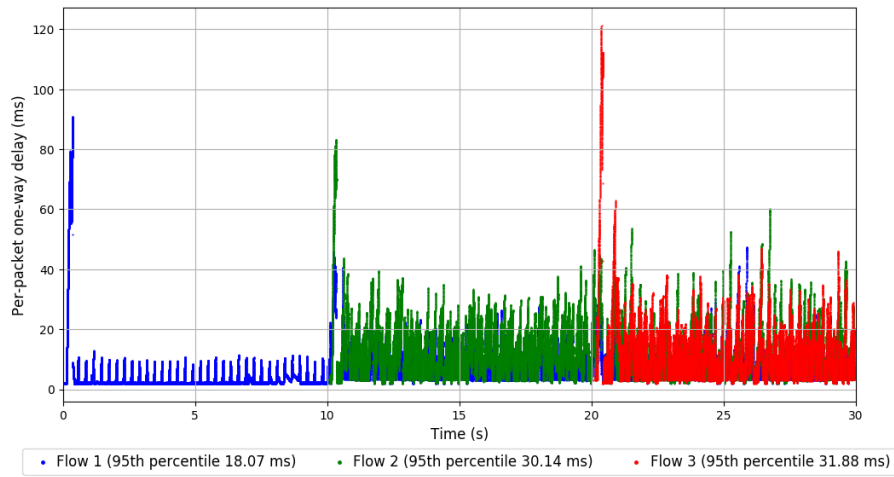
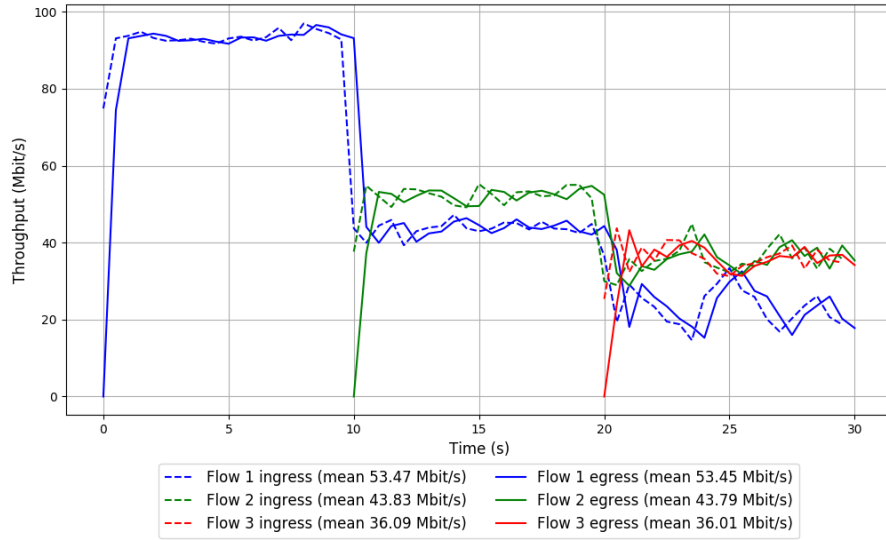
-- Flow 3:

Average throughput: 36.01 Mbit/s

95th percentile per-packet one-way delay: 31.879 ms

Loss rate: 0.11%

Run 2: Report of FillP-Sheep — Data Link



Run 3: Statistics of FillP-Sheep

Start at: 2019-08-27 12:26:50

End at: 2019-08-27 12:27:20

Local clock offset: 0.563 ms

Remote clock offset: 0.366 ms

Below is generated by plot.py at 2019-08-27 13:49:51

Datalink statistics

-- Total of 3 flows:

Average throughput: 94.65 Mbit/s

95th percentile per-packet one-way delay: 27.446 ms

Loss rate: 0.04%

-- Flow 1:

Average throughput: 60.64 Mbit/s

95th percentile per-packet one-way delay: 26.955 ms

Loss rate: 0.04%

-- Flow 2:

Average throughput: 33.49 Mbit/s

95th percentile per-packet one-way delay: 24.058 ms

Loss rate: 0.01%

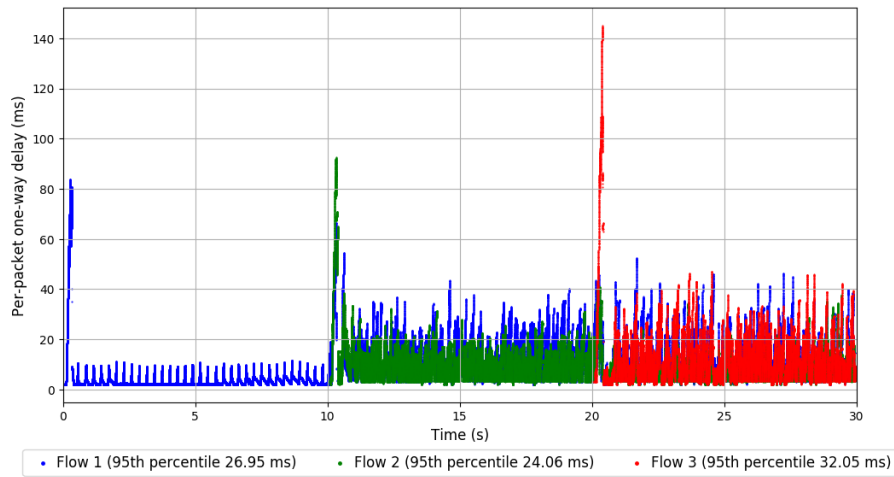
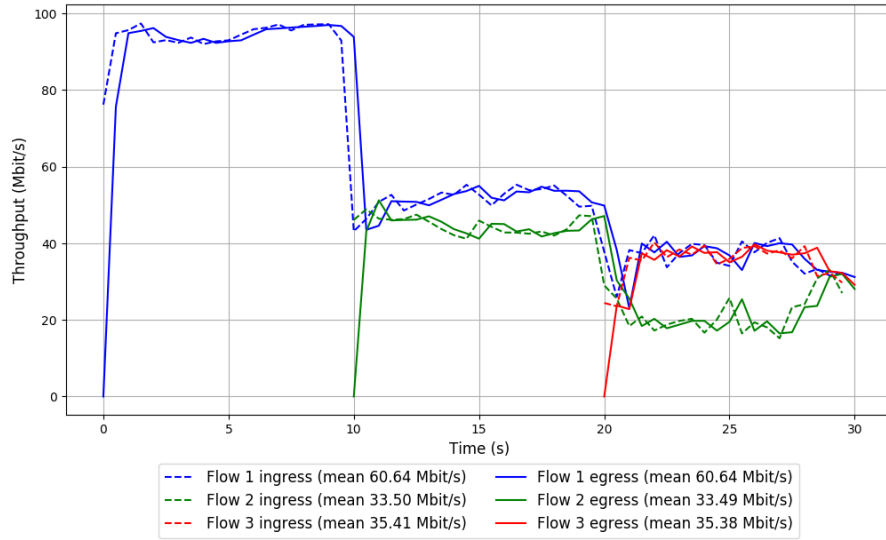
-- Flow 3:

Average throughput: 35.38 Mbit/s

95th percentile per-packet one-way delay: 32.049 ms

Loss rate: 0.11%

Run 3: Report of FillP-Sheep — Data Link



Run 4: Statistics of FillP-Sheep

Start at: 2019-08-27 12:54:20

End at: 2019-08-27 12:54:50

Local clock offset: 0.626 ms

Remote clock offset: 0.61 ms

Below is generated by plot.py at 2019-08-27 13:50:04

Datalink statistics

-- Total of 3 flows:

Average throughput: 94.60 Mbit/s

95th percentile per-packet one-way delay: 26.270 ms

Loss rate: 0.02%

-- Flow 1:

Average throughput: 54.50 Mbit/s

95th percentile per-packet one-way delay: 20.097 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 45.03 Mbit/s

95th percentile per-packet one-way delay: 29.350 ms

Loss rate: 0.06%

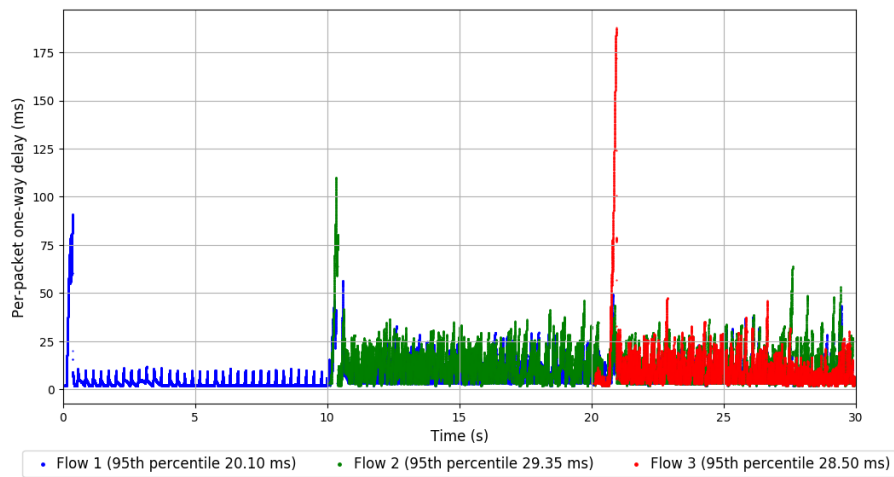
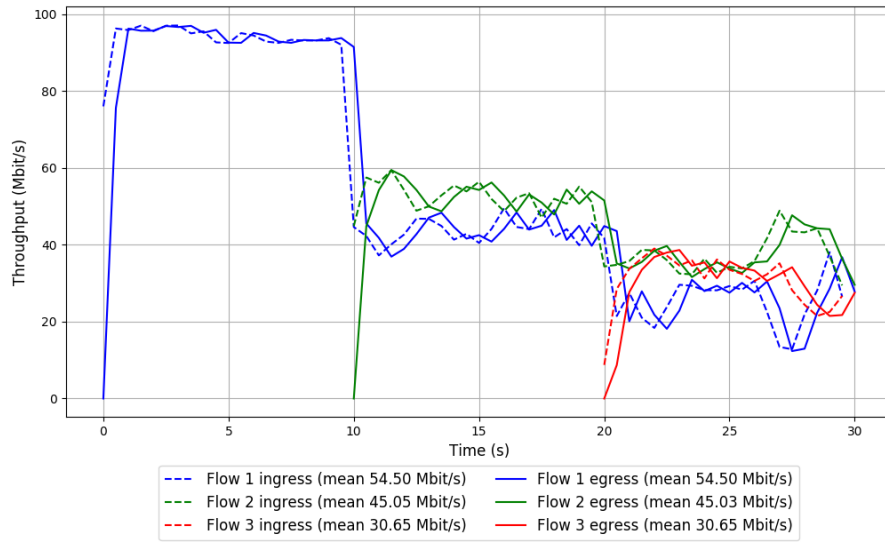
-- Flow 3:

Average throughput: 30.65 Mbit/s

95th percentile per-packet one-way delay: 28.496 ms

Loss rate: 0.01%

Run 4: Report of FillP-Sheep — Data Link



Run 5: Statistics of FillP-Sheep

Start at: 2019-08-27 13:21:50

End at: 2019-08-27 13:22:20

Local clock offset: -0.139 ms

Remote clock offset: 0.709 ms

Below is generated by plot.py at 2019-08-27 13:50:16

Datalink statistics

-- Total of 3 flows:

Average throughput: 93.58 Mbit/s

95th percentile per-packet one-way delay: 28.590 ms

Loss rate: 0.16%

-- Flow 1:

Average throughput: 57.15 Mbit/s

95th percentile per-packet one-way delay: 25.675 ms

Loss rate: 0.14%

-- Flow 2:

Average throughput: 39.80 Mbit/s

95th percentile per-packet one-way delay: 29.173 ms

Loss rate: 0.09%

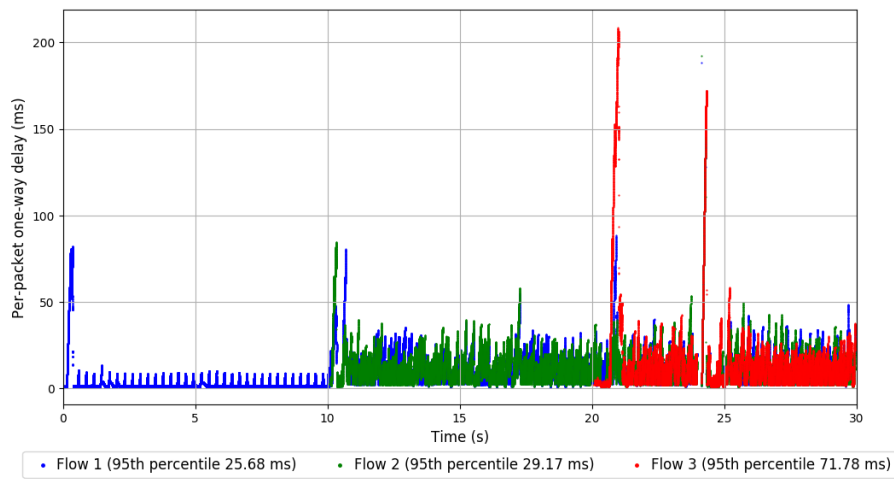
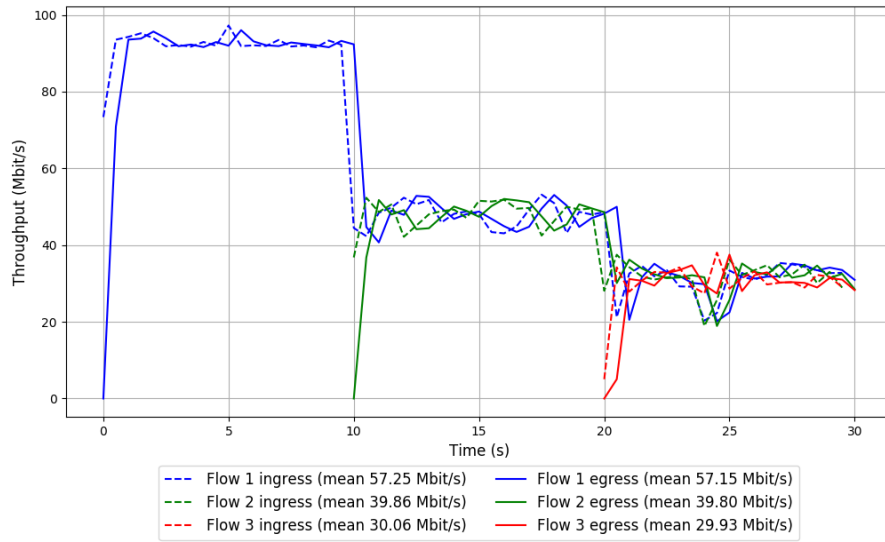
-- Flow 3:

Average throughput: 29.93 Mbit/s

95th percentile per-packet one-way delay: 71.779 ms

Loss rate: 0.46%

Run 5: Report of FillP-Sheep — Data Link



Run 1: Statistics of Indigo

Start at: 2019-08-27 11:46:43
End at: 2019-08-27 11:47:13
Local clock offset: 0.506 ms
Remote clock offset: -0.209 ms

Below is generated by plot.py at 2019-08-27 13:50:16

Datalink statistics

-- Total of 3 flows:

Average throughput: 97.33 Mbit/s
95th percentile per-packet one-way delay: 10.099 ms
Loss rate: 0.07%

-- Flow 1:

Average throughput: 59.74 Mbit/s
95th percentile per-packet one-way delay: 9.775 ms
Loss rate: 0.03%

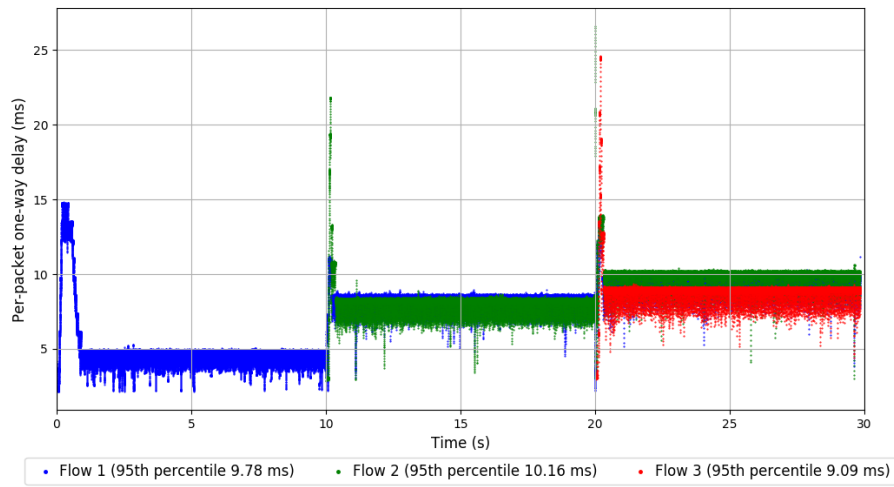
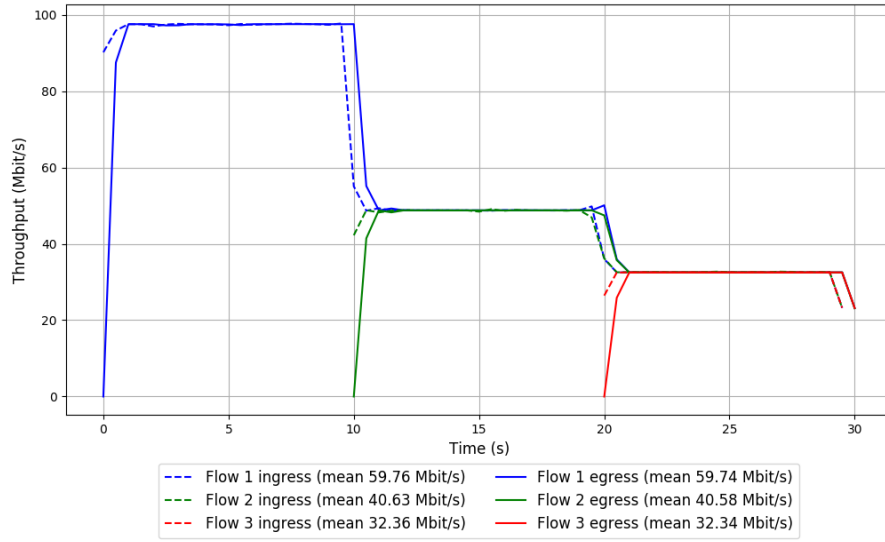
-- Flow 2:

Average throughput: 40.58 Mbit/s
95th percentile per-packet one-way delay: 10.161 ms
Loss rate: 0.15%

-- Flow 3:

Average throughput: 32.34 Mbit/s
95th percentile per-packet one-way delay: 9.092 ms
Loss rate: 0.10%

Run 1: Report of Indigo — Data Link



Run 2: Statistics of Indigo

Start at: 2019-08-27 12:14:14

End at: 2019-08-27 12:14:44

Local clock offset: -0.222 ms

Remote clock offset: 0.27 ms

Below is generated by plot.py at 2019-08-27 13:50:16

Datalink statistics

-- Total of 3 flows:

Average throughput: 97.35 Mbit/s

95th percentile per-packet one-way delay: 8.991 ms

Loss rate: 0.08%

-- Flow 1:

Average throughput: 59.76 Mbit/s

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

Loss rate: 0.03%

-- Flow 2:

Average throughput: 40.61 Mbit/s

95th percentile per-packet one-way delay: 9.063 ms

Loss rate: 0.20%

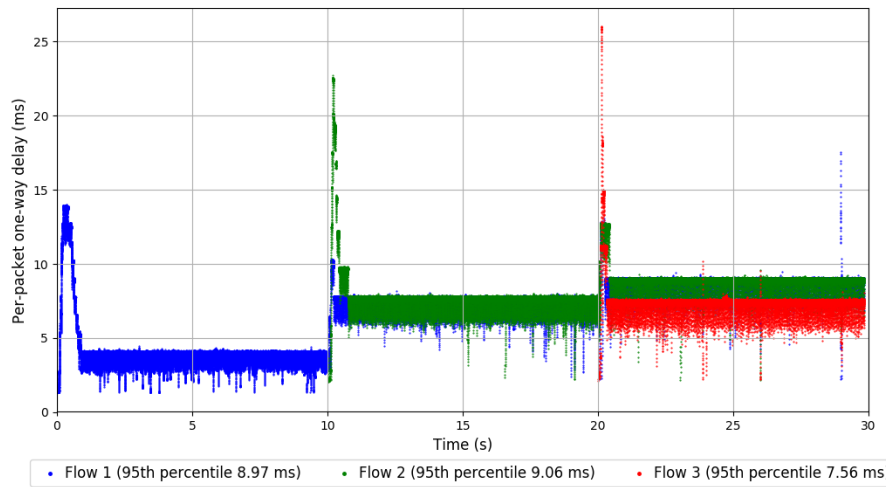
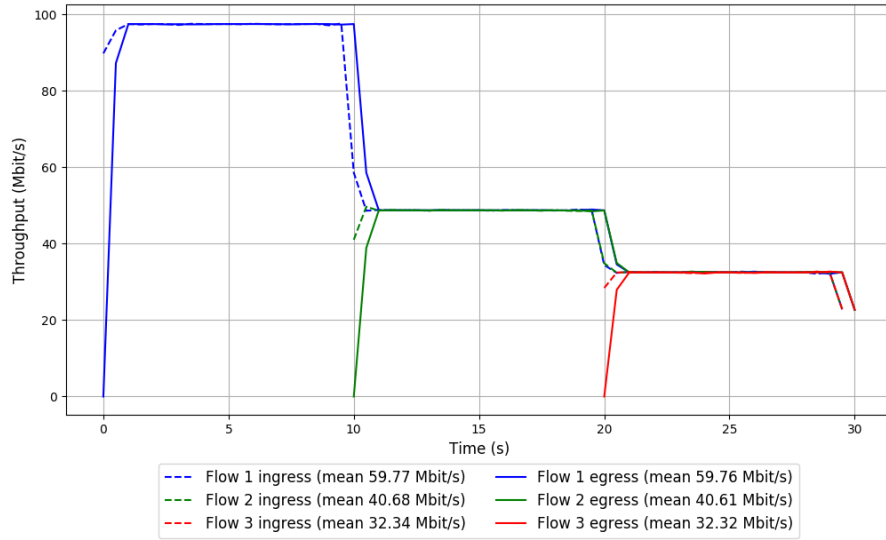
-- Flow 3:

Average throughput: 32.32 Mbit/s

95th percentile per-packet one-way delay: 7.560 ms

Loss rate: 0.10%

Run 2: Report of Indigo — Data Link



Run 3: Statistics of Indigo

Start at: 2019-08-27 12:41:44

End at: 2019-08-27 12:42:14

Local clock offset: -0.14 ms

Remote clock offset: 0.562 ms

Below is generated by plot.py at 2019-08-27 13:50:56

Datalink statistics

-- Total of 3 flows:

Average throughput: 97.33 Mbit/s

95th percentile per-packet one-way delay: 9.068 ms

Loss rate: 0.05%

-- Flow 1:

Average throughput: 59.70 Mbit/s

95th percentile per-packet one-way delay: 9.052 ms

Loss rate: 0.03%

-- Flow 2:

Average throughput: 40.64 Mbit/s

95th percentile per-packet one-way delay: 9.573 ms

Loss rate: 0.08%

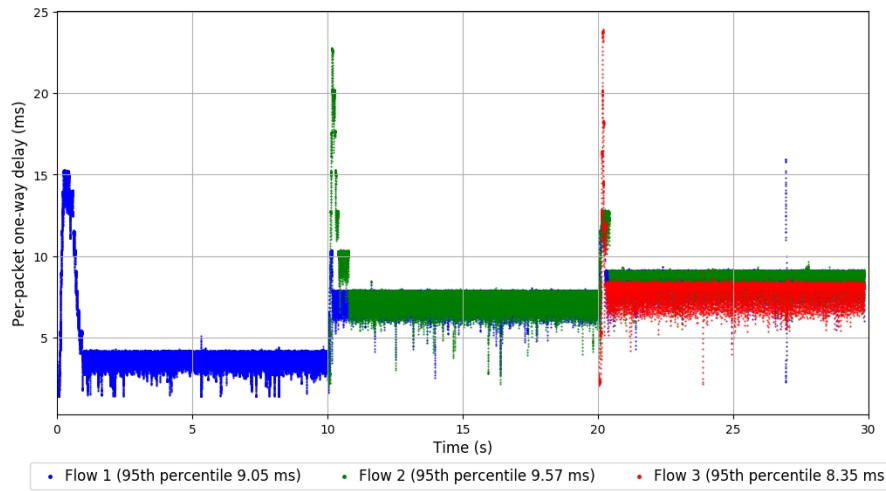
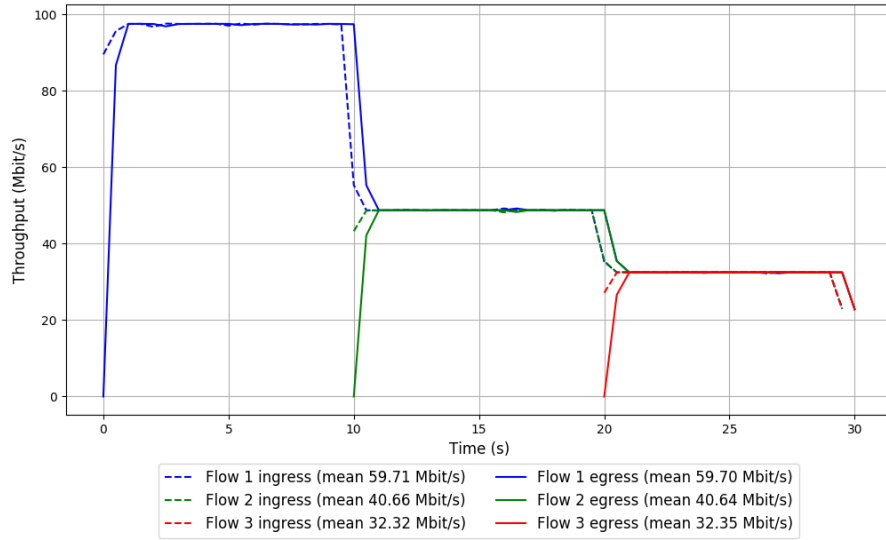
-- Flow 3:

Average throughput: 32.35 Mbit/s

95th percentile per-packet one-way delay: 8.345 ms

Loss rate: 0.10%

Run 3: Report of Indigo — Data Link



Run 4: Statistics of Indigo

Start at: 2019-08-27 13:09:15

End at: 2019-08-27 13:09:45

Local clock offset: 0.58 ms

Remote clock offset: 0.708 ms

Below is generated by plot.py at 2019-08-27 13:50:59

Datalink statistics

-- Total of 3 flows:

Average throughput: 97.32 Mbit/s

95th percentile per-packet one-way delay: 9.828 ms

Loss rate: 0.05%

-- Flow 1:

Average throughput: 59.76 Mbit/s

95th percentile per-packet one-way delay: 9.810 ms

Loss rate: 0.03%

-- Flow 2:

Average throughput: 40.60 Mbit/s

95th percentile per-packet one-way delay: 10.501 ms

Loss rate: 0.09%

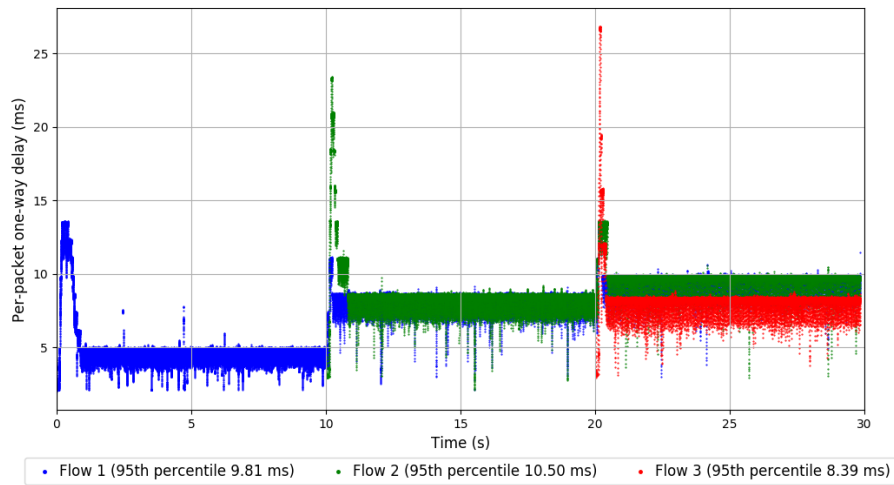
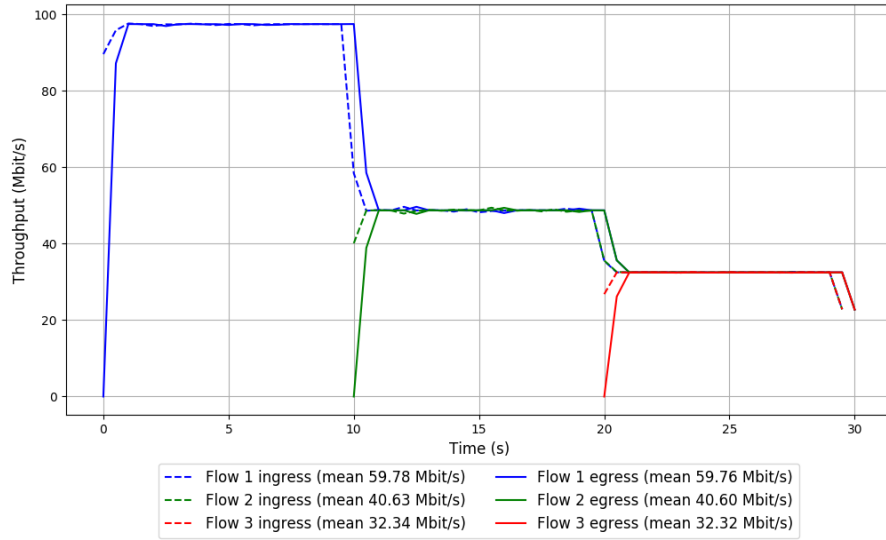
-- Flow 3:

Average throughput: 32.32 Mbit/s

95th percentile per-packet one-way delay: 8.393 ms

Loss rate: 0.11%

Run 4: Report of Indigo — Data Link



Run 5: Statistics of Indigo

Start at: 2019-08-27 13:36:47

End at: 2019-08-27 13:37:17

Local clock offset: 0.633 ms

Remote clock offset: 0.641 ms

Below is generated by plot.py at 2019-08-27 13:51:00

Datalink statistics

-- Total of 3 flows:

Average throughput: 97.28 Mbit/s

95th percentile per-packet one-way delay: 11.478 ms

Loss rate: 0.42%

-- Flow 1:

Average throughput: 59.63 Mbit/s

95th percentile per-packet one-way delay: 9.366 ms

Loss rate: 0.02%

-- Flow 2:

Average throughput: 40.62 Mbit/s

95th percentile per-packet one-way delay: 11.865 ms

Loss rate: 1.43%

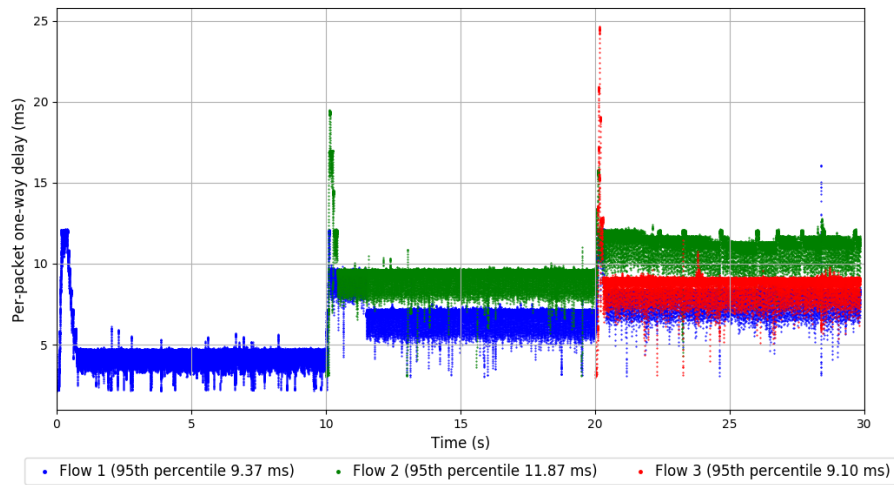
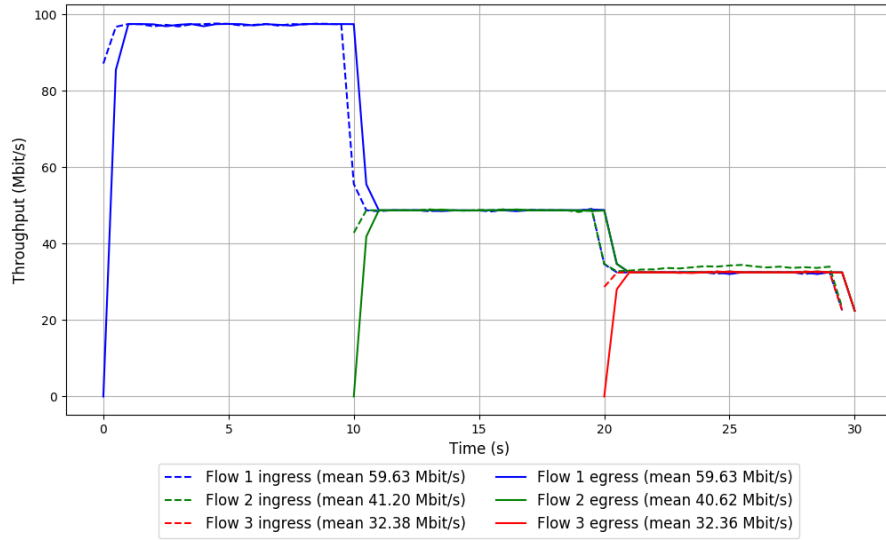
-- Flow 3:

Average throughput: 32.36 Mbit/s

95th percentile per-packet one-way delay: 9.102 ms

Loss rate: 0.10%

Run 5: Report of Indigo — Data Link

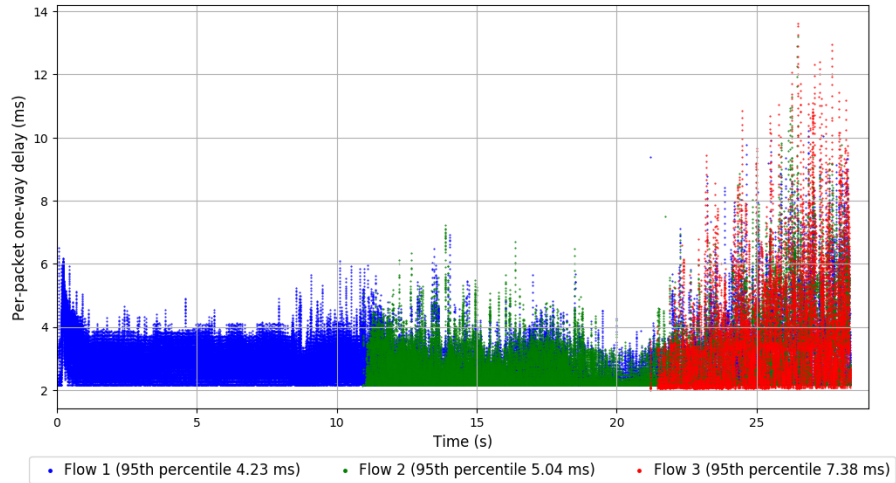
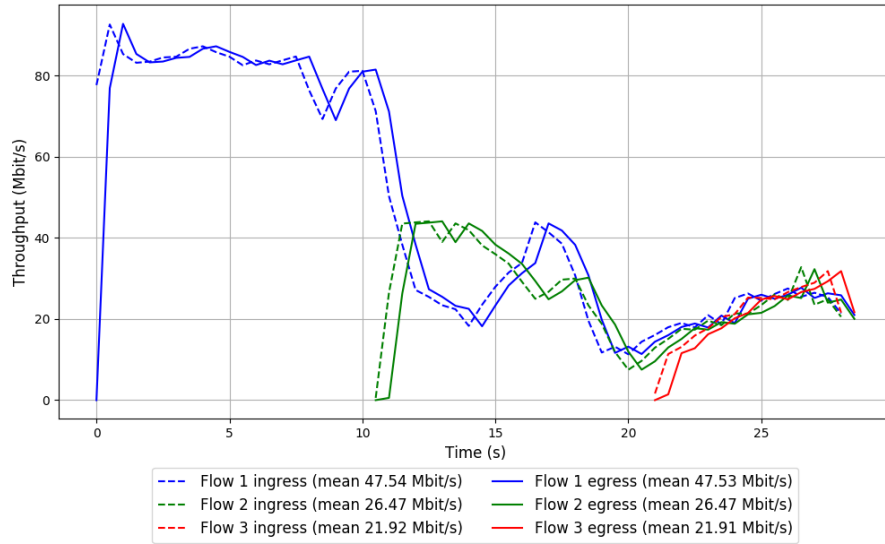


Run 1: Statistics of Indigo-MusesC3

Start at: 2019-08-27 11:48:59
End at: 2019-08-27 11:49:29
Local clock offset: 0.518 ms
Remote clock offset: -0.169 ms

```
# Below is generated by plot.py at 2019-08-27 13:51:00
# Datalink statistics
-- Total of 3 flows:
Average throughput: 69.33 Mbit/s
95th percentile per-packet one-way delay: 4.786 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 47.53 Mbit/s
95th percentile per-packet one-way delay: 4.229 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 26.47 Mbit/s
95th percentile per-packet one-way delay: 5.043 ms
Loss rate: 0.07%
-- Flow 3:
Average throughput: 21.91 Mbit/s
95th percentile per-packet one-way delay: 7.380 ms
Loss rate: 0.00%
```

Run 1: Report of Indigo-MusesC3 — Data Link



Run 2: Statistics of Indigo-MusesC3

Start at: 2019-08-27 12:16:29

End at: 2019-08-27 12:16:59

Local clock offset: -0.143 ms

Remote clock offset: 0.269 ms

Below is generated by plot.py at 2019-08-27 13:51:00

Datalink statistics

-- Total of 3 flows:

Average throughput: 59.72 Mbit/s

95th percentile per-packet one-way delay: 3.275 ms

Loss rate: 0.04%

-- Flow 1:

Average throughput: 45.21 Mbit/s

95th percentile per-packet one-way delay: 3.214 ms

Loss rate: 0.02%

-- Flow 2:

Average throughput: 16.55 Mbit/s

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

Loss rate: 0.02%

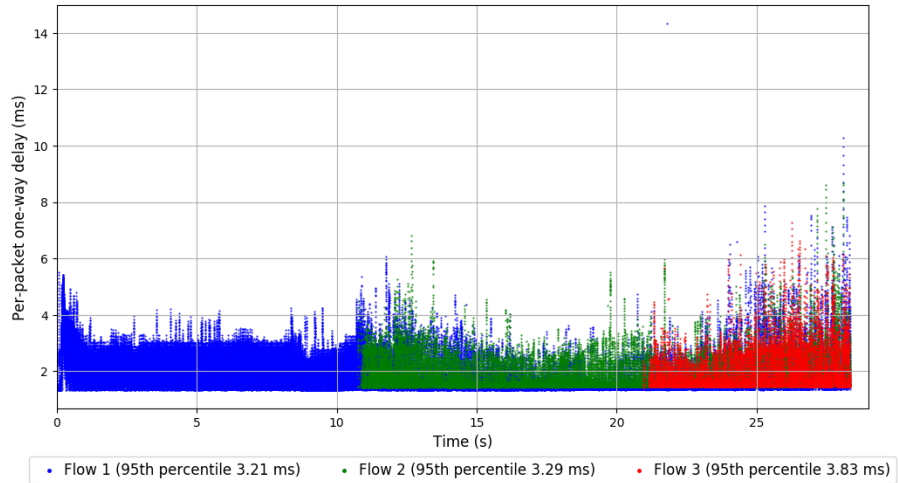
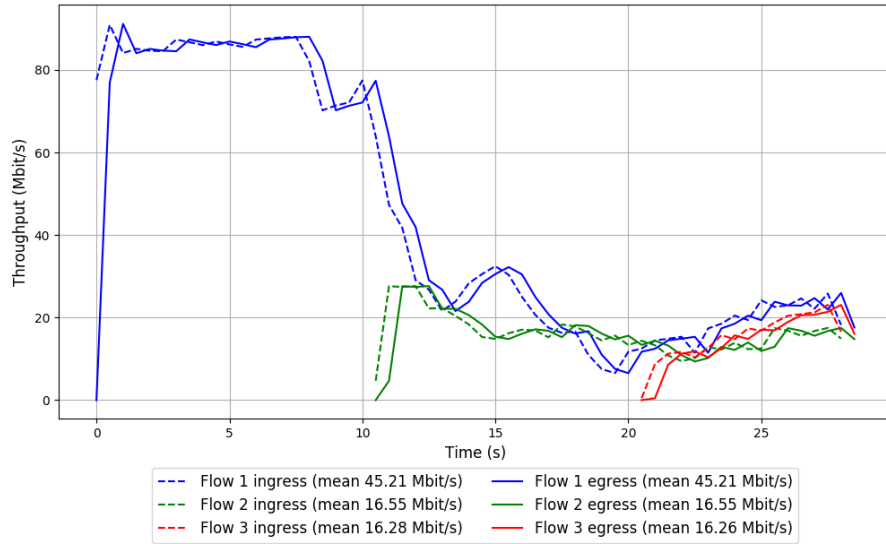
-- Flow 3:

Average throughput: 16.26 Mbit/s

95th percentile per-packet one-way delay: 3.831 ms

Loss rate: 0.19%

Run 2: Report of Indigo-MusesC3 — Data Link



Run 3: Statistics of Indigo-MusesC3

Start at: 2019-08-27 12:44:00

End at: 2019-08-27 12:44:30

Local clock offset: -0.142 ms

Remote clock offset: 0.517 ms

Below is generated by plot.py at 2019-08-27 13:51:00

Datalink statistics

-- Total of 3 flows:

Average throughput: 58.62 Mbit/s

95th percentile per-packet one-way delay: 4.287 ms

Loss rate: 0.03%

-- Flow 1:

Average throughput: 38.43 Mbit/s

95th percentile per-packet one-way delay: 3.472 ms

Loss rate: 0.02%

-- Flow 2:

Average throughput: 21.47 Mbit/s

95th percentile per-packet one-way delay: 4.598 ms

Loss rate: 0.02%

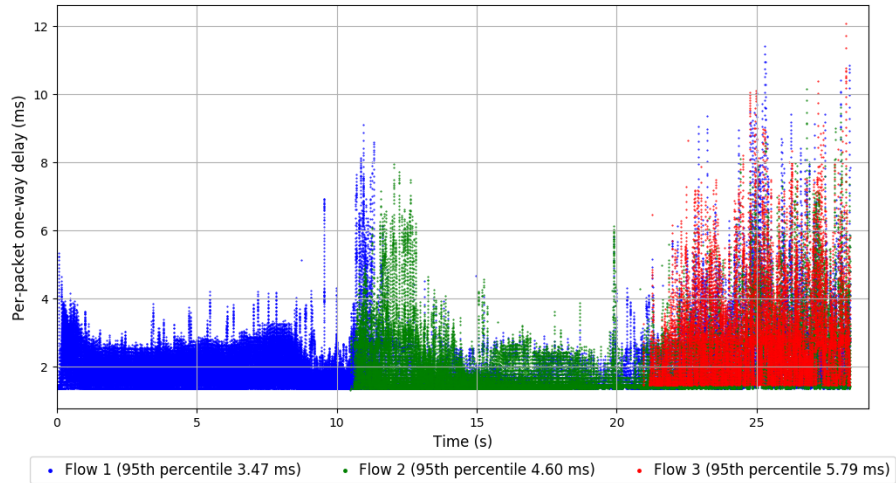
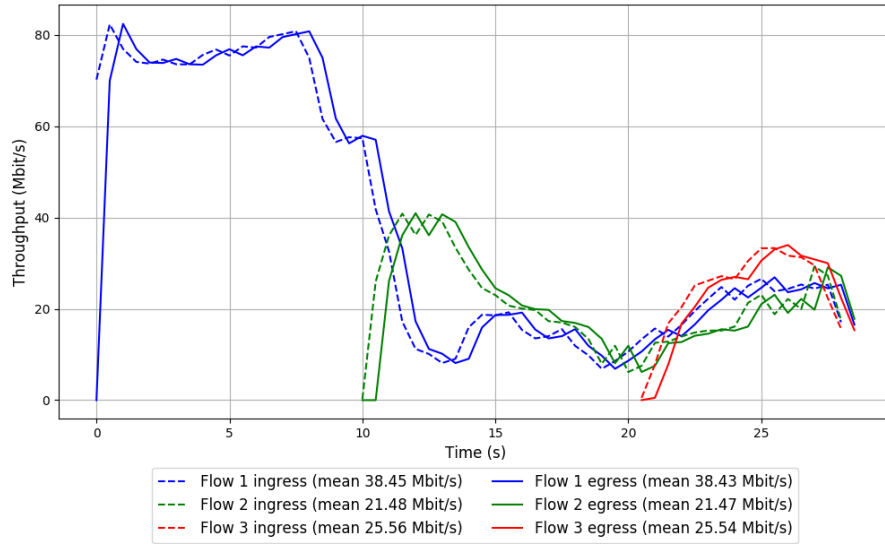
-- Flow 3:

Average throughput: 25.54 Mbit/s

95th percentile per-packet one-way delay: 5.795 ms

Loss rate: 0.08%

Run 3: Report of Indigo-MusesC3 — Data Link



Run 4: Statistics of Indigo-MusesC3

Start at: 2019-08-27 13:11:31

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

Local clock offset: -0.197 ms

Remote clock offset: 0.681 ms

Below is generated by plot.py at 2019-08-27 13:51:00

Datalink statistics

-- Total of 3 flows:

Average throughput: 68.19 Mbit/s

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

Loss rate: 0.01%

-- Flow 1:

Average throughput: 49.16 Mbit/s

95th percentile per-packet one-way delay: 4.037 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 25.60 Mbit/s

95th percentile per-packet one-way delay: 4.451 ms

Loss rate: 0.02%

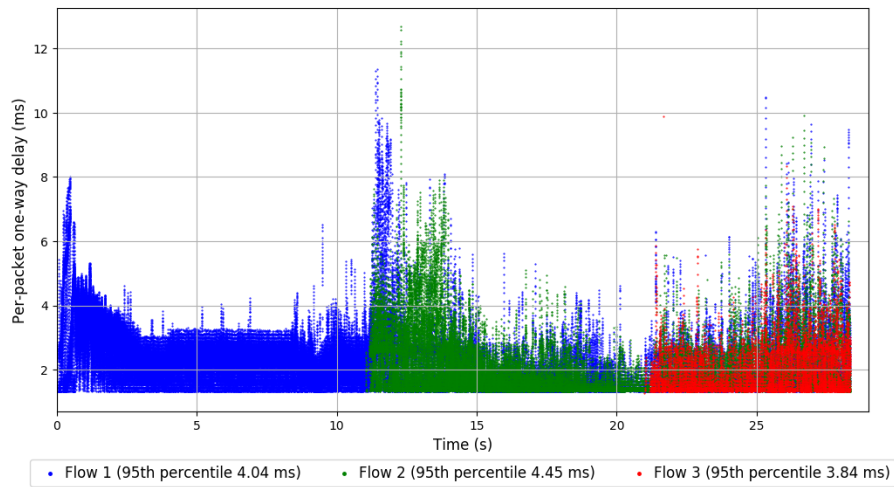
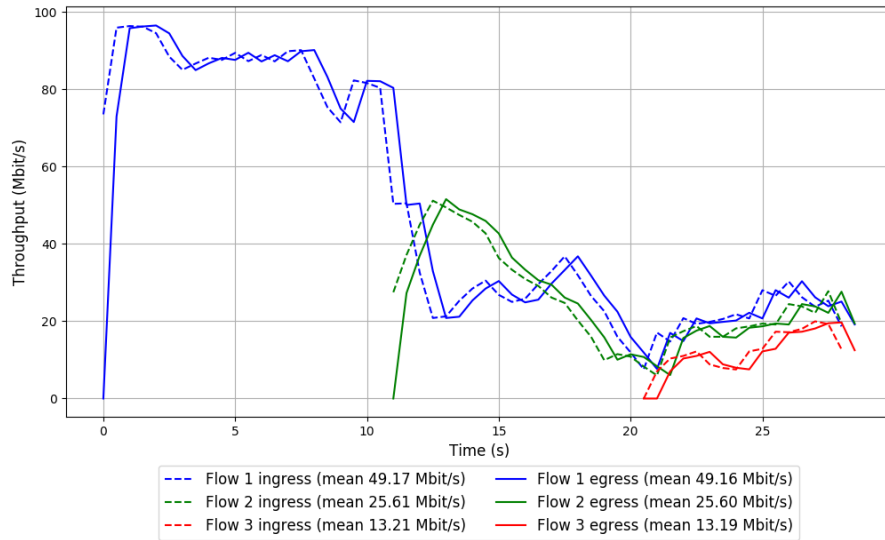
-- Flow 3:

Average throughput: 13.19 Mbit/s

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

Loss rate: 0.17%

Run 4: Report of Indigo-MusesC3 — Data Link



Run 5: Statistics of Indigo-MusesC3

Start at: 2019-08-27 13:39:03

End at: 2019-08-27 13:39:33

Local clock offset: -0.06 ms

Remote clock offset: 0.695 ms

Below is generated by plot.py at 2019-08-27 13:51:05

Datalink statistics

-- Total of 3 flows:

Average throughput: 65.12 Mbit/s

95th percentile per-packet one-way delay: 3.910 ms

Loss rate: 0.02%

-- Flow 1:

Average throughput: 44.69 Mbit/s

95th percentile per-packet one-way delay: 3.953 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 26.23 Mbit/s

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

Loss rate: 0.05%

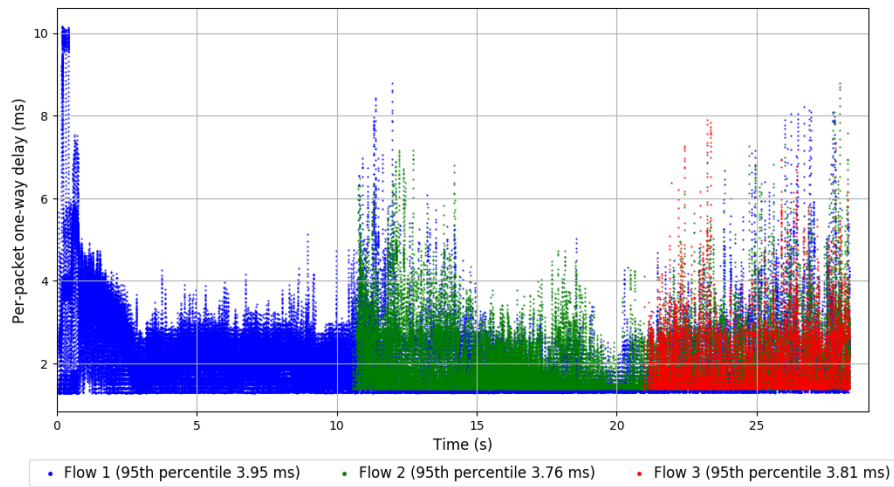
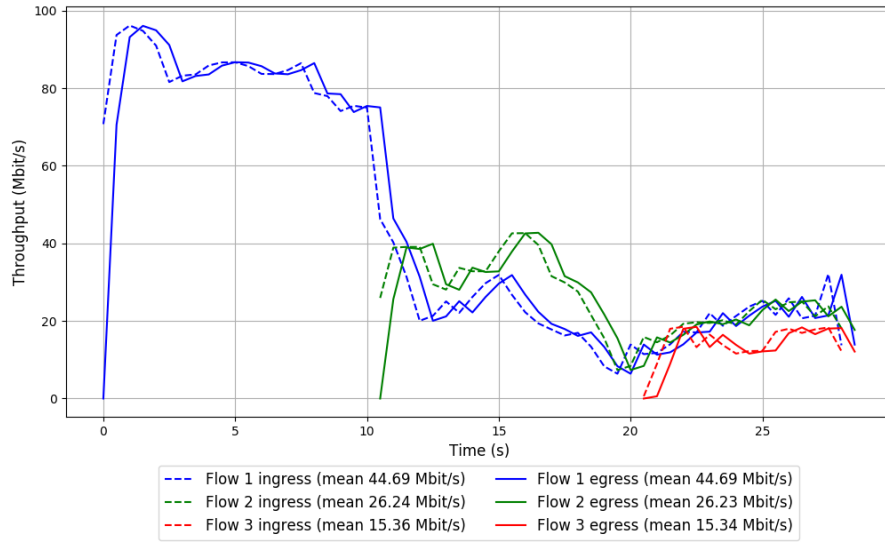
-- Flow 3:

Average throughput: 15.34 Mbit/s

95th percentile per-packet one-way delay: 3.813 ms

Loss rate: 0.17%

Run 5: Report of Indigo-MusesC3 — Data Link



Run 1: Statistics of Indigo-MusesC5

Start at: 2019-08-27 11:44:26
End at: 2019-08-27 11:44:56
Local clock offset: -0.257 ms
Remote clock offset: -0.269 ms

Below is generated by plot.py at 2019-08-27 13:51:21

Datalink statistics

-- Total of 3 flows:

Average throughput: 56.94 Mbit/s
95th percentile per-packet one-way delay: 16.307 ms
Loss rate: 0.09%

-- Flow 1:

Average throughput: 31.75 Mbit/s
95th percentile per-packet one-way delay: 14.222 ms
Loss rate: 0.05%

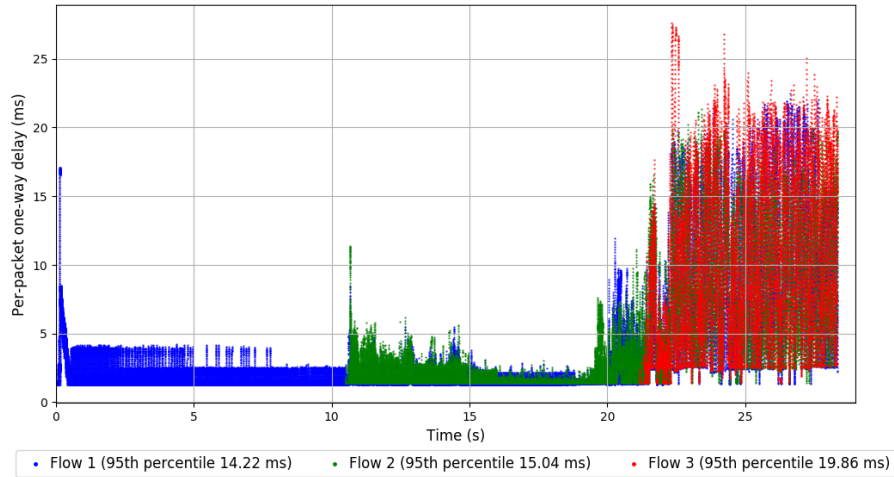
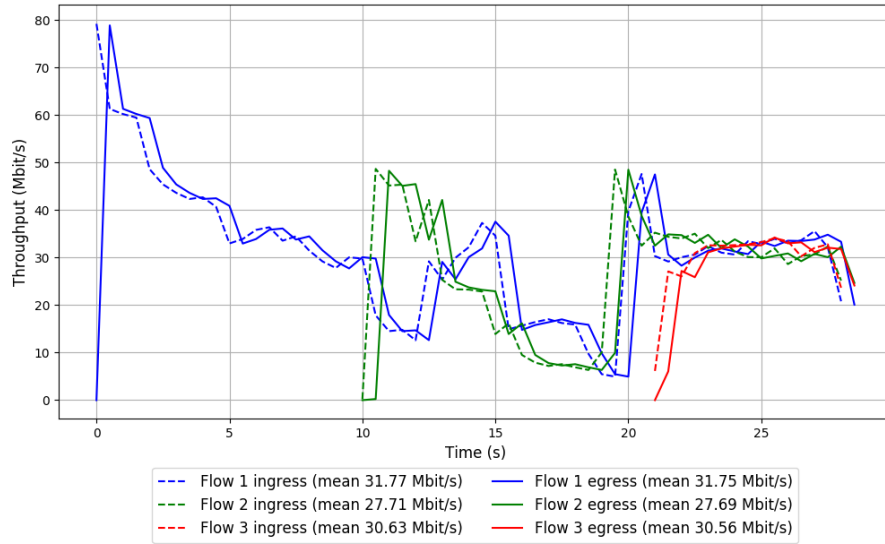
-- Flow 2:

Average throughput: 27.69 Mbit/s
95th percentile per-packet one-way delay: 15.045 ms
Loss rate: 0.12%

-- Flow 3:

Average throughput: 30.56 Mbit/s
95th percentile per-packet one-way delay: 19.859 ms
Loss rate: 0.20%

Run 1: Report of Indigo-MusesC5 — Data Link



Run 2: Statistics of Indigo-MusesC5

Start at: 2019-08-27 12:11:57

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

Local clock offset: -0.148 ms

Remote clock offset: 0.198 ms

Below is generated by plot.py at 2019-08-27 13:51:27

Datalink statistics

-- Total of 3 flows:

Average throughput: 58.73 Mbit/s

95th percentile per-packet one-way delay: 12.226 ms

Loss rate: 0.01%

-- Flow 1:

Average throughput: 33.65 Mbit/s

95th percentile per-packet one-way delay: 9.405 ms

Loss rate: 0.01%

-- Flow 2:

Average throughput: 26.29 Mbit/s

95th percentile per-packet one-way delay: 13.693 ms

Loss rate: 0.00%

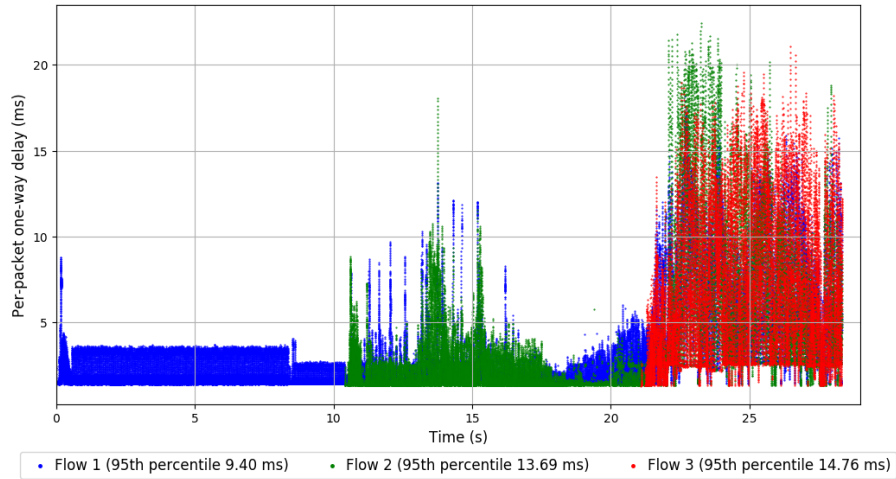
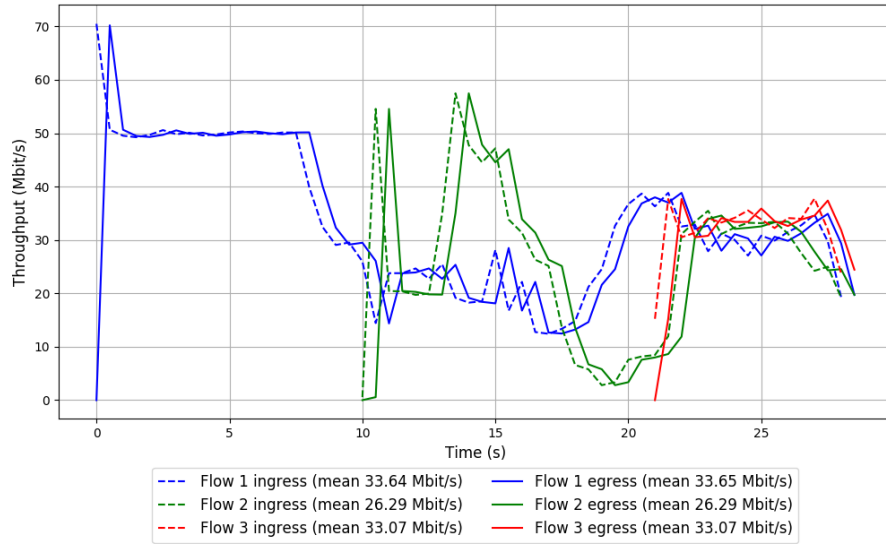
-- Flow 3:

Average throughput: 33.07 Mbit/s

95th percentile per-packet one-way delay: 14.758 ms

Loss rate: 0.05%

Run 2: Report of Indigo-MusesC5 — Data Link



Run 3: Statistics of Indigo-MusesC5

Start at: 2019-08-27 12:39:27

End at: 2019-08-27 12:39:57

Local clock offset: 0.565 ms

Remote clock offset: 0.506 ms

Below is generated by plot.py at 2019-08-27 13:51:33

Datalink statistics

-- Total of 3 flows:

Average throughput: 64.07 Mbit/s

95th percentile per-packet one-way delay: 16.792 ms

Loss rate: 0.05%

-- Flow 1:

Average throughput: 36.52 Mbit/s

95th percentile per-packet one-way delay: 12.859 ms

Loss rate: 0.03%

-- Flow 2:

Average throughput: 30.81 Mbit/s

95th percentile per-packet one-way delay: 17.733 ms

Loss rate: 0.06%

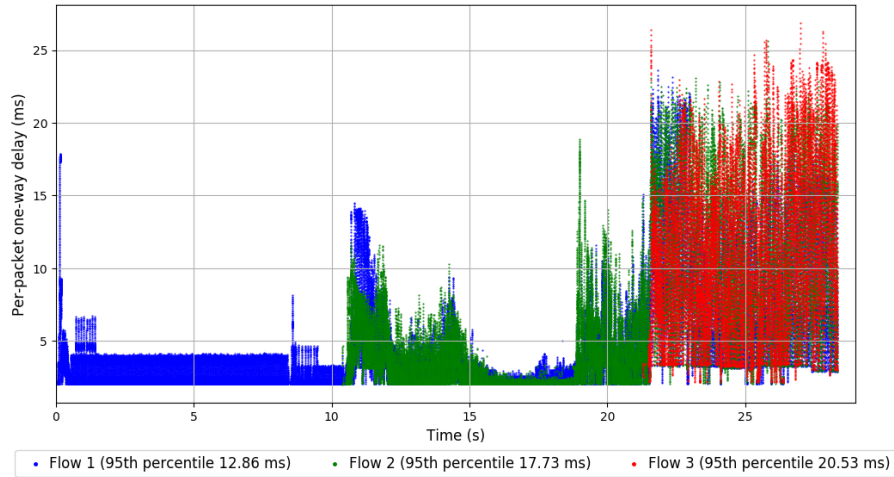
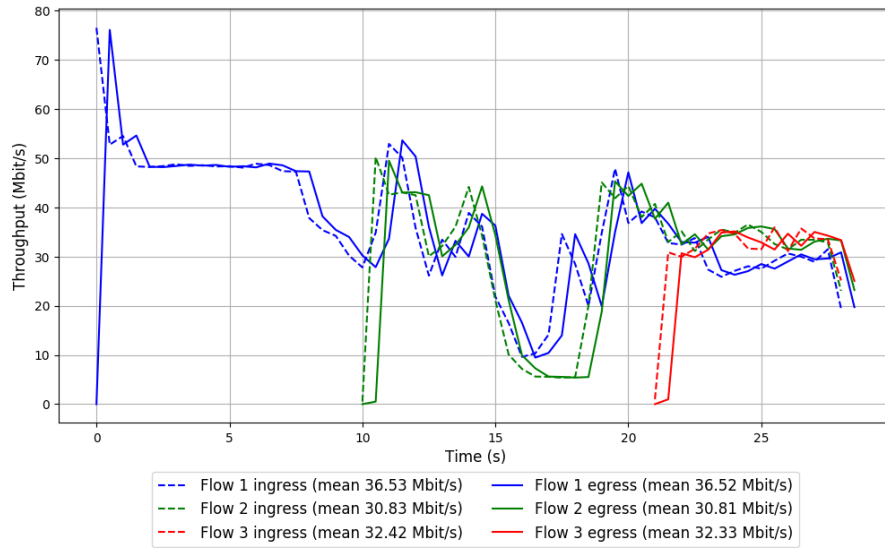
-- Flow 3:

Average throughput: 32.33 Mbit/s

95th percentile per-packet one-way delay: 20.528 ms

Loss rate: 0.18%

Run 3: Report of Indigo-MusesC5 — Data Link



Run 4: Statistics of Indigo-MusesC5

Start at: 2019-08-27 13:06:58

End at: 2019-08-27 13:07:28

Local clock offset: 0.576 ms

Remote clock offset: 0.648 ms

Below is generated by plot.py at 2019-08-27 13:51:33

Datalink statistics

-- Total of 3 flows:

Average throughput: 53.26 Mbit/s

95th percentile per-packet one-way delay: 16.065 ms

Loss rate: 0.11%

-- Flow 1:

Average throughput: 25.38 Mbit/s

95th percentile per-packet one-way delay: 12.618 ms

Loss rate: 0.08%

-- Flow 2:

Average throughput: 31.76 Mbit/s

95th percentile per-packet one-way delay: 17.425 ms

Loss rate: 0.07%

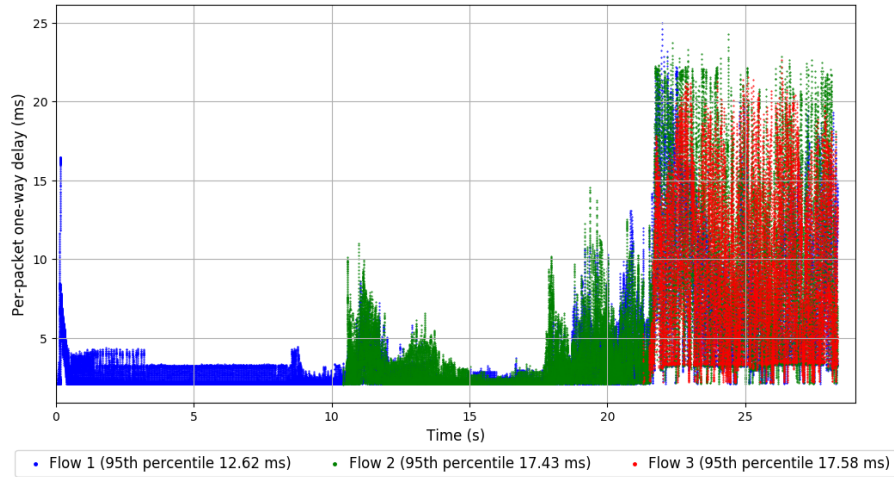
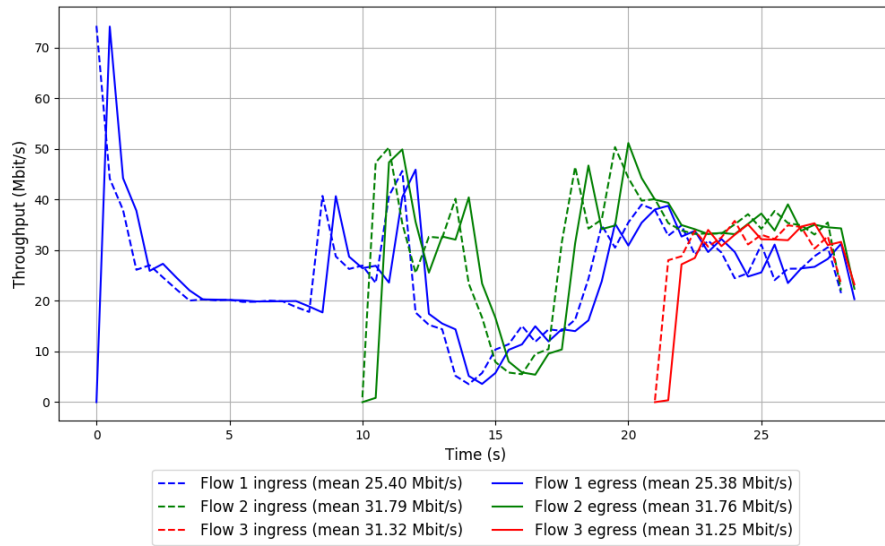
-- Flow 3:

Average throughput: 31.25 Mbit/s

95th percentile per-packet one-way delay: 17.583 ms

Loss rate: 0.27%

Run 4: Report of Indigo-MusesC5 — Data Link



Run 5: Statistics of Indigo-MusesC5

Start at: 2019-08-27 13:34:30

End at: 2019-08-27 13:35:00

Local clock offset: 0.686 ms

Remote clock offset: 0.718 ms

Below is generated by plot.py at 2019-08-27 13:51:33

Datalink statistics

-- Total of 3 flows:

Average throughput: 50.32 Mbit/s

95th percentile per-packet one-way delay: 13.903 ms

Loss rate: 0.07%

-- Flow 1:

Average throughput: 25.02 Mbit/s

95th percentile per-packet one-way delay: 9.845 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 26.70 Mbit/s

95th percentile per-packet one-way delay: 13.238 ms

Loss rate: 0.04%

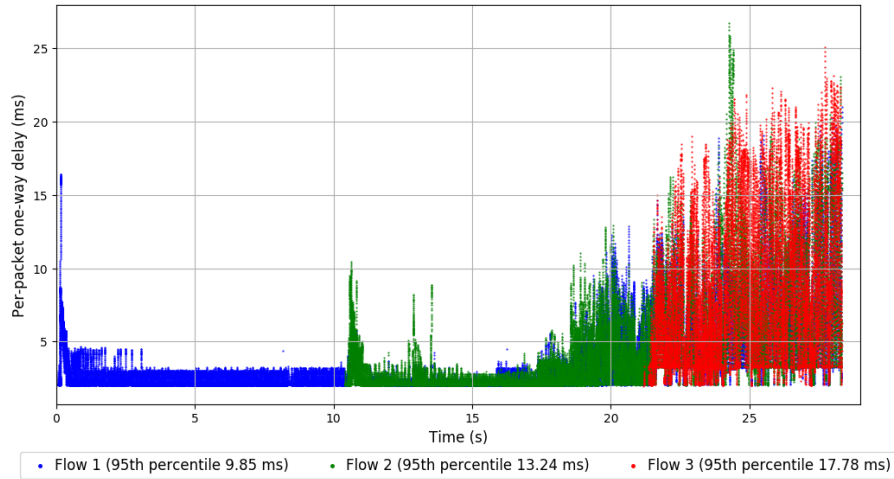
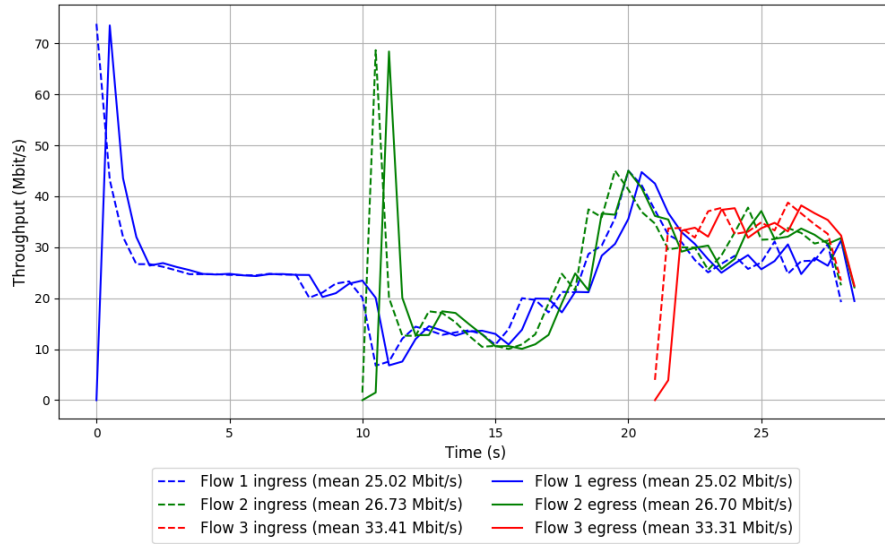
-- Flow 3:

Average throughput: 33.31 Mbit/s

95th percentile per-packet one-way delay: 17.783 ms

Loss rate: 0.30%

Run 5: Report of Indigo-MusesC5 — Data Link



Run 1: Statistics of Indigo-MusesD

Start at: 2019-08-27 11:42:10
End at: 2019-08-27 11:42:40
Local clock offset: -0.332 ms
Remote clock offset: -0.332 ms

Below is generated by plot.py at 2019-08-27 13:51:37

Datalink statistics

-- Total of 3 flows:

Average throughput: 54.30 Mbit/s
95th percentile per-packet one-way delay: 8.768 ms
Loss rate: 0.06%

-- Flow 1:

Average throughput: 32.07 Mbit/s
95th percentile per-packet one-way delay: 6.993 ms
Loss rate: 0.03%

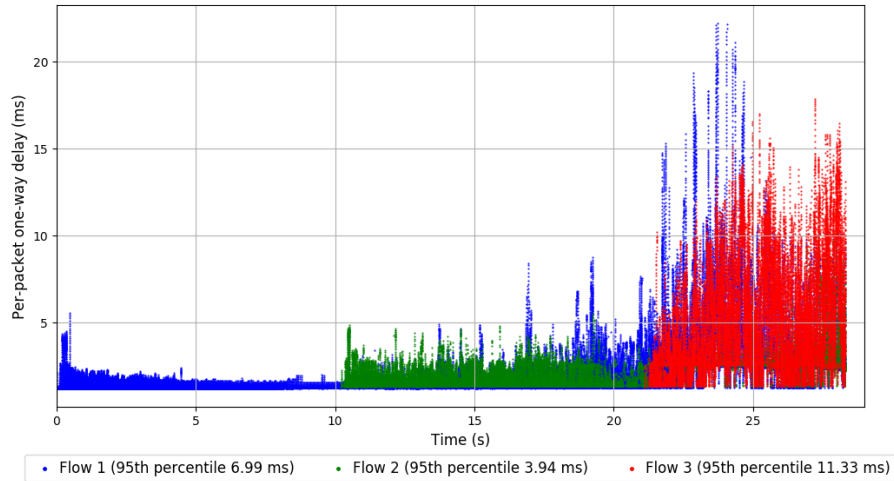
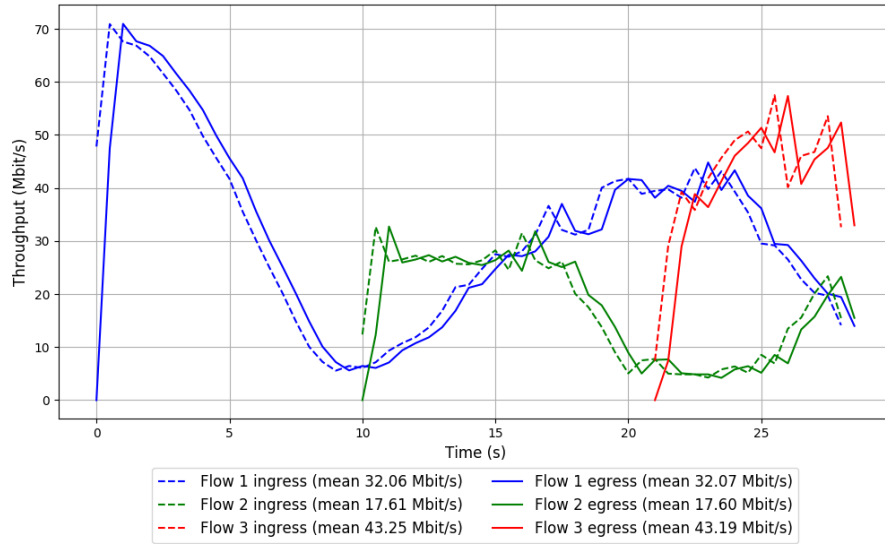
-- Flow 2:

Average throughput: 17.60 Mbit/s
95th percentile per-packet one-way delay: 3.939 ms
Loss rate: 0.06%

-- Flow 3:

Average throughput: 43.19 Mbit/s
95th percentile per-packet one-way delay: 11.333 ms
Loss rate: 0.16%

Run 1: Report of Indigo-MusesD — Data Link



Run 2: Statistics of Indigo-MusesD

Start at: 2019-08-27 12:09:39

End at: 2019-08-27 12:10:09

Local clock offset: -0.16 ms

Remote clock offset: 0.142 ms

Below is generated by plot.py at 2019-08-27 13:51:46

Datalink statistics

-- Total of 3 flows:

Average throughput: 67.76 Mbit/s

95th percentile per-packet one-way delay: 40.708 ms

Loss rate: 0.50%

-- Flow 1:

Average throughput: 39.91 Mbit/s

95th percentile per-packet one-way delay: 4.628 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 25.19 Mbit/s

95th percentile per-packet one-way delay: 12.824 ms

Loss rate: 0.00%

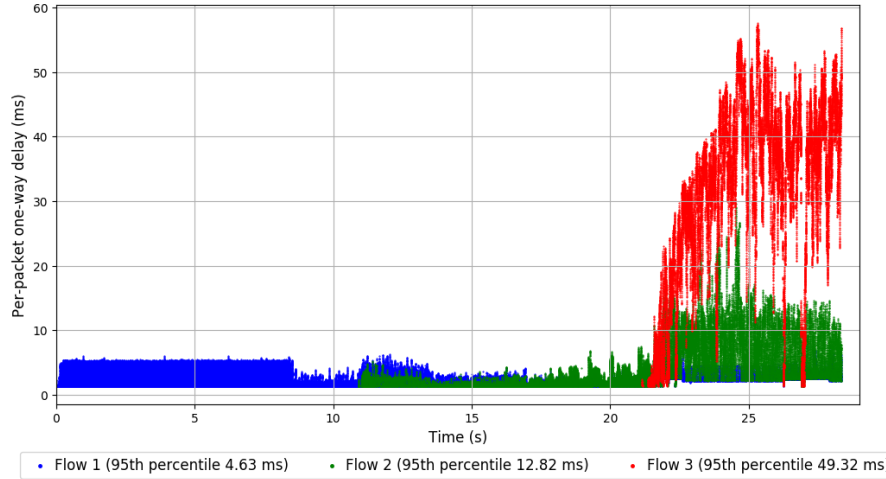
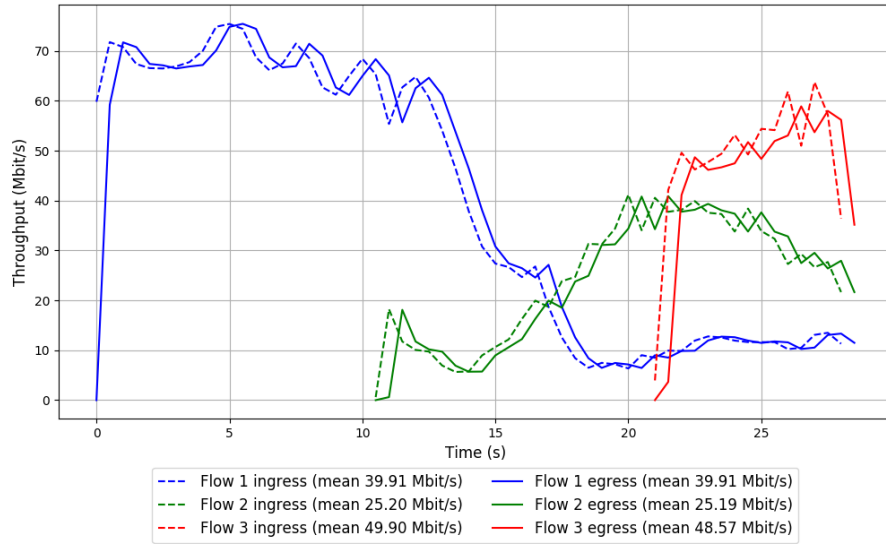
-- Flow 3:

Average throughput: 48.57 Mbit/s

95th percentile per-packet one-way delay: 49.321 ms

Loss rate: 2.71%

Run 2: Report of Indigo-MusesD — Data Link



Run 3: Statistics of Indigo-MusesD

Start at: 2019-08-27 12:37:10

End at: 2019-08-27 12:37:40

Local clock offset: -0.194 ms

Remote clock offset: 0.482 ms

Below is generated by plot.py at 2019-08-27 13:51:53

Datalink statistics

-- Total of 3 flows:

Average throughput: 67.86 Mbit/s

95th percentile per-packet one-way delay: 37.926 ms

Loss rate: 0.47%

-- Flow 1:

Average throughput: 40.21 Mbit/s

95th percentile per-packet one-way delay: 5.469 ms

Loss rate: 0.03%

-- Flow 2:

Average throughput: 26.40 Mbit/s

95th percentile per-packet one-way delay: 9.823 ms

Loss rate: 0.01%

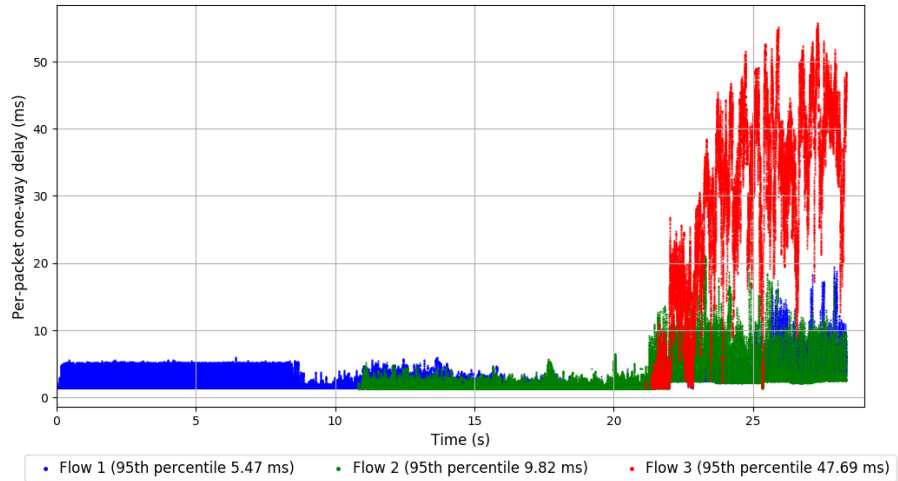
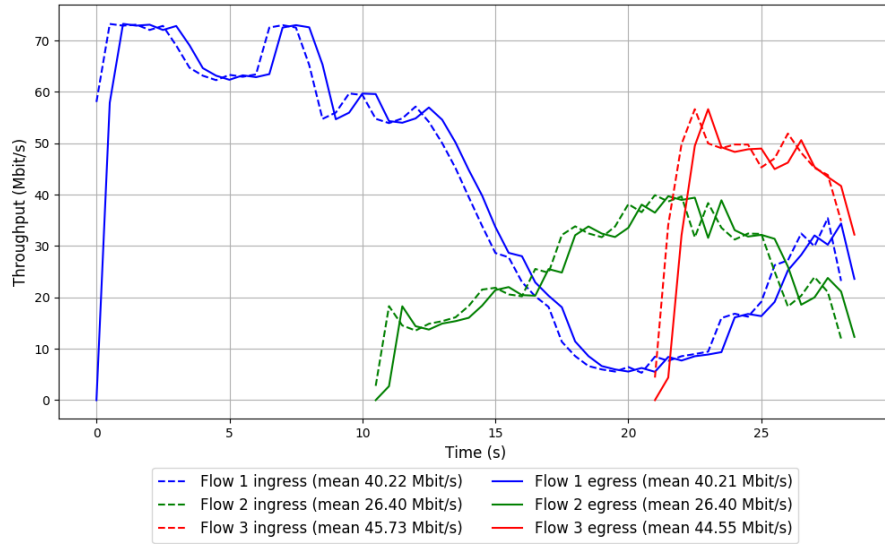
-- Flow 3:

Average throughput: 44.55 Mbit/s

95th percentile per-packet one-way delay: 47.691 ms

Loss rate: 2.62%

Run 3: Report of Indigo-MusesD — Data Link



Run 4: Statistics of Indigo-MusesD

Start at: 2019-08-27 13:04:41

End at: 2019-08-27 13:05:11

Local clock offset: -0.209 ms

Remote clock offset: 0.626 ms

Below is generated by plot.py at 2019-08-27 13:52:01

Datalink statistics

-- Total of 3 flows:

Average throughput: 58.77 Mbit/s

95th percentile per-packet one-way delay: 38.349 ms

Loss rate: 0.41%

-- Flow 1:

Average throughput: 40.98 Mbit/s

95th percentile per-packet one-way delay: 18.021 ms

Loss rate: 0.09%

-- Flow 2:

Average throughput: 13.98 Mbit/s

95th percentile per-packet one-way delay: 16.017 ms

Loss rate: 0.22%

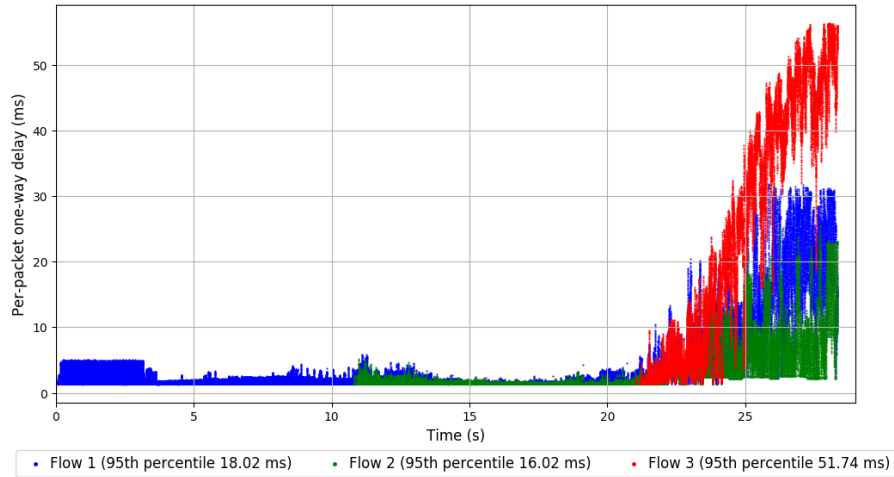
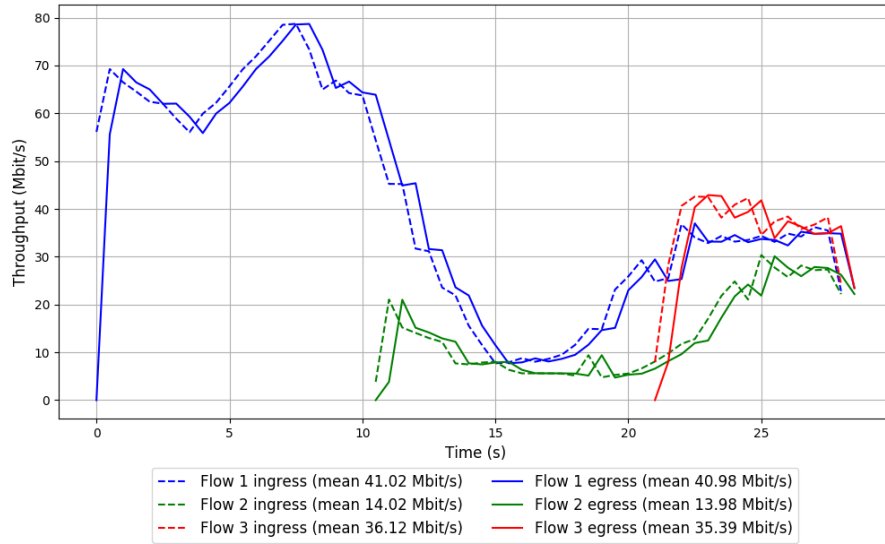
-- Flow 3:

Average throughput: 35.39 Mbit/s

95th percentile per-packet one-way delay: 51.743 ms

Loss rate: 2.01%

Run 4: Report of Indigo-MusesD — Data Link



Run 5: Statistics of Indigo-MusesD

Start at: 2019-08-27 13:32:12

End at: 2019-08-27 13:32:42

Local clock offset: 0.681 ms

Remote clock offset: 0.659 ms

Below is generated by plot.py at 2019-08-27 13:52:16

Datalink statistics

-- Total of 3 flows:

Average throughput: 71.21 Mbit/s

95th percentile per-packet one-way delay: 66.821 ms

Loss rate: 0.63%

-- Flow 1:

Average throughput: 41.21 Mbit/s

95th percentile per-packet one-way delay: 11.158 ms

Loss rate: 0.03%

-- Flow 2:

Average throughput: 31.10 Mbit/s

95th percentile per-packet one-way delay: 9.237 ms

Loss rate: 0.04%

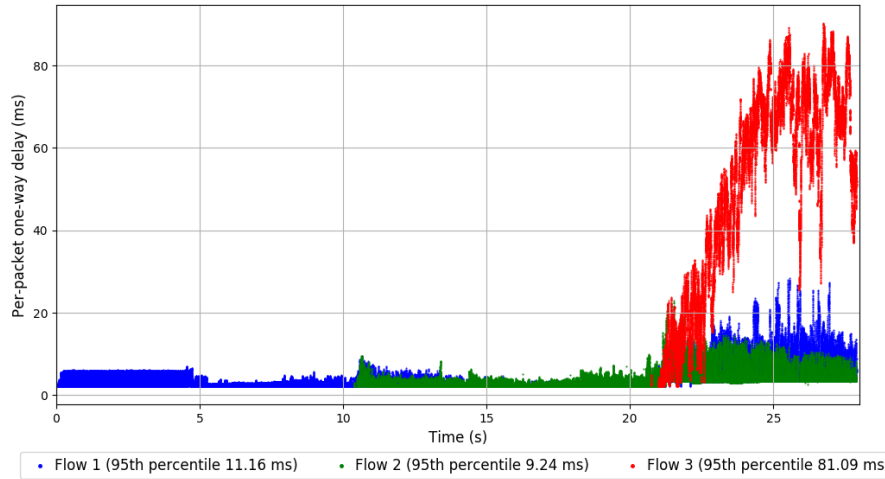
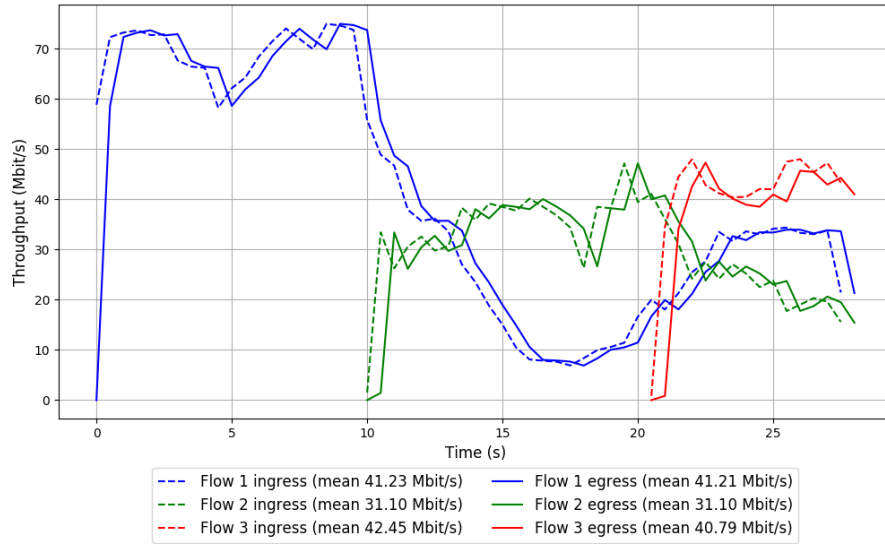
-- Flow 3:

Average throughput: 40.79 Mbit/s

95th percentile per-packet one-way delay: 81.092 ms

Loss rate: 3.93%

Run 5: Report of Indigo-MusesD — Data Link



Run 1: Statistics of Indigo-MuseST

Start at: 2019-08-27 11:32:56
End at: 2019-08-27 11:33:26
Local clock offset: -0.353 ms
Remote clock offset: -0.489 ms

Below is generated by plot.py at 2019-08-27 13:52:28

Datalink statistics

-- Total of 3 flows:

Average throughput: 82.99 Mbit/s
95th percentile per-packet one-way delay: 14.057 ms
Loss rate: 0.03%

-- Flow 1:

Average throughput: 53.91 Mbit/s
95th percentile per-packet one-way delay: 12.431 ms
Loss rate: 0.00%

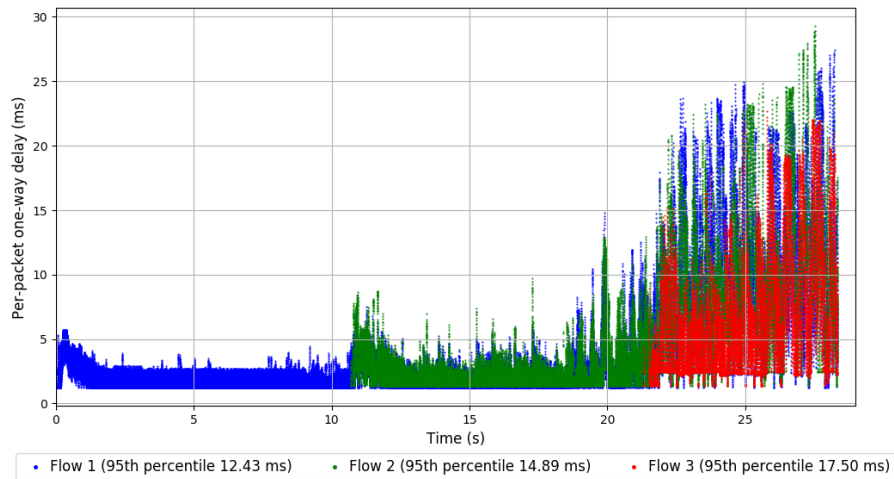
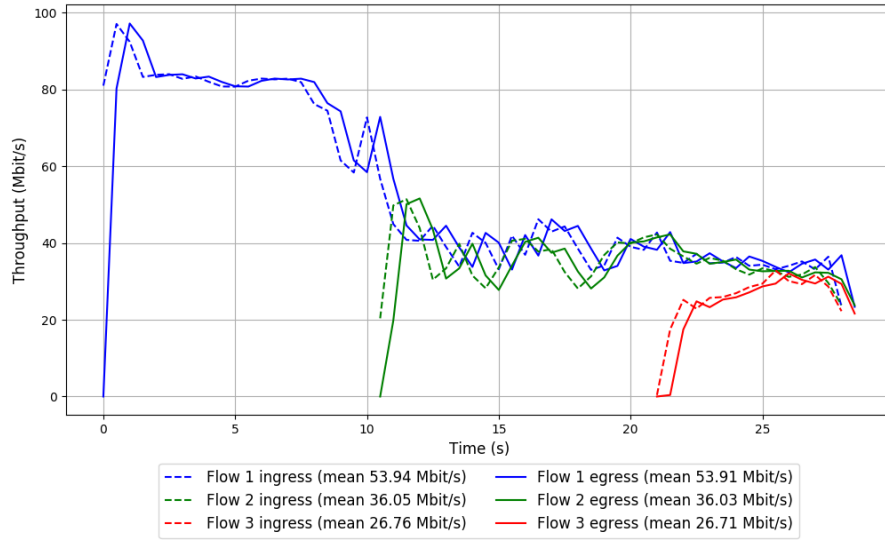
-- Flow 2:

Average throughput: 36.03 Mbit/s
95th percentile per-packet one-way delay: 14.886 ms
Loss rate: 0.06%

-- Flow 3:

Average throughput: 26.71 Mbit/s
95th percentile per-packet one-way delay: 17.501 ms
Loss rate: 0.20%

Run 1: Report of Indigo-MusesT — Data Link



Run 2: Statistics of Indigo-MuseST

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

End at: 2019-08-27 12:00:57

Local clock offset: 0.589 ms

Remote clock offset: 0.027 ms

Below is generated by plot.py at 2019-08-27 13:52:28

Datalink statistics

-- Total of 3 flows:

Average throughput: 78.77 Mbit/s

95th percentile per-packet one-way delay: 11.424 ms

Loss rate: 0.03%

-- Flow 1:

Average throughput: 51.88 Mbit/s

95th percentile per-packet one-way delay: 10.433 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 38.28 Mbit/s

95th percentile per-packet one-way delay: 13.123 ms

Loss rate: 0.06%

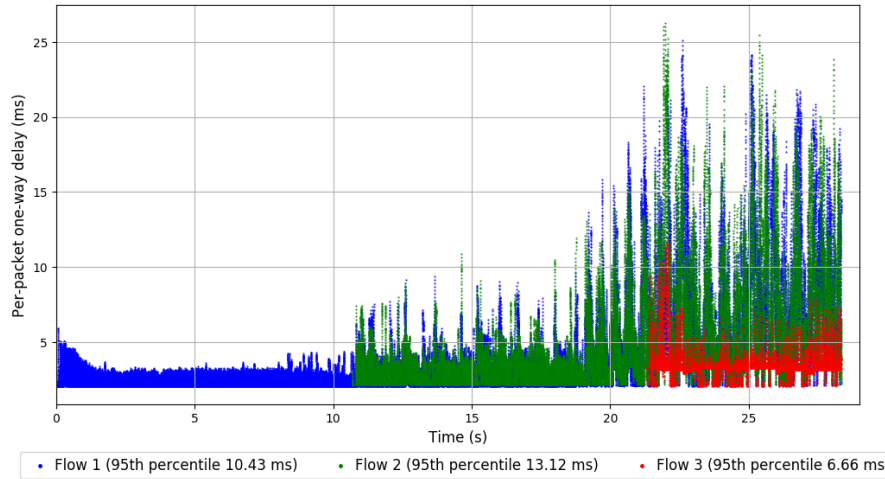
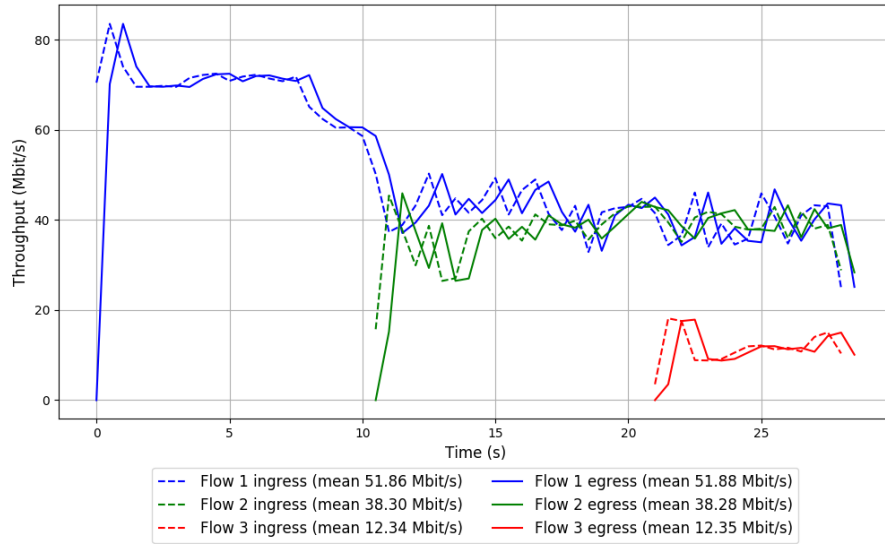
-- Flow 3:

Average throughput: 12.35 Mbit/s

95th percentile per-packet one-way delay: 6.657 ms

Loss rate: 0.19%

Run 2: Report of Indigo-MusesT — Data Link



Run 3: Statistics of Indigo-MuseST

Start at: 2019-08-27 12:27:58

End at: 2019-08-27 12:28:28

Local clock offset: -0.154 ms

Remote clock offset: 0.41 ms

Below is generated by plot.py at 2019-08-27 13:52:29

Datalink statistics

-- Total of 3 flows:

Average throughput: 81.50 Mbit/s

95th percentile per-packet one-way delay: 16.996 ms

Loss rate: 0.07%

-- Flow 1:

Average throughput: 50.64 Mbit/s

95th percentile per-packet one-way delay: 15.559 ms

Loss rate: 0.05%

-- Flow 2:

Average throughput: 37.79 Mbit/s

95th percentile per-packet one-way delay: 17.325 ms

Loss rate: 0.07%

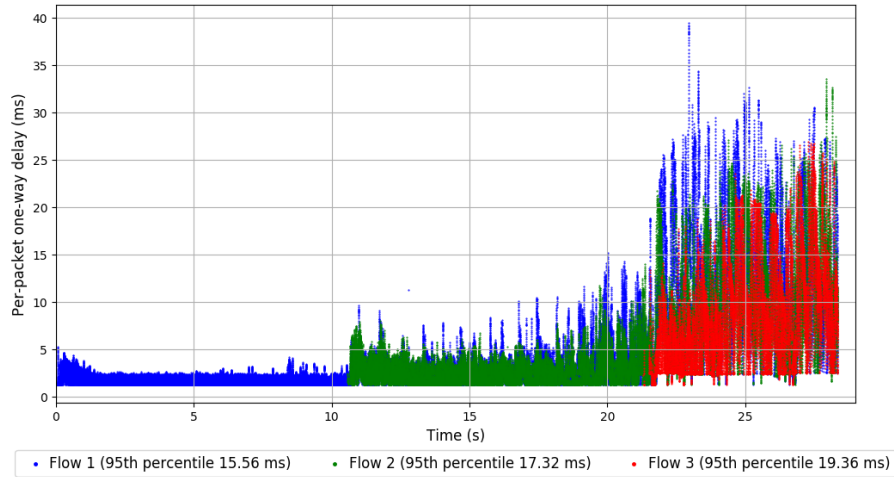
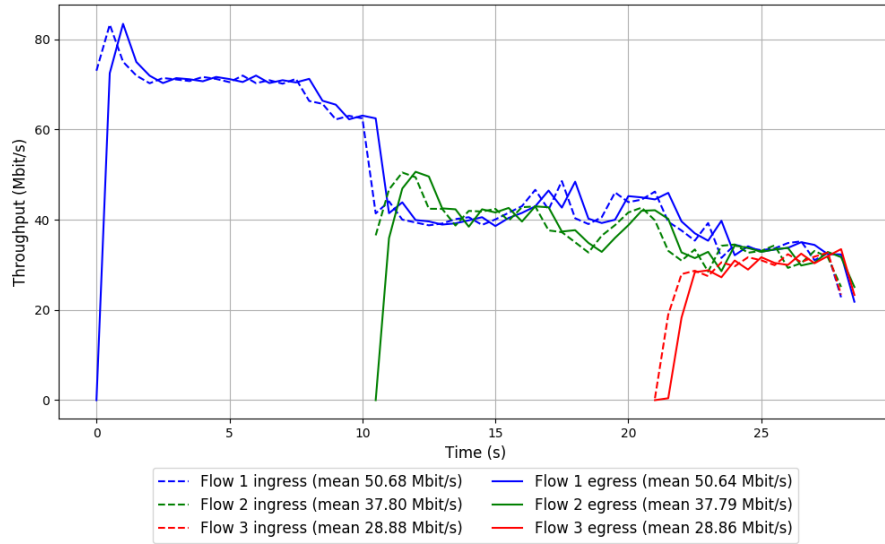
-- Flow 3:

Average throughput: 28.86 Mbit/s

95th percentile per-packet one-way delay: 19.364 ms

Loss rate: 0.14%

Run 3: Report of Indigo-MusesT — Data Link



Run 4: Statistics of Indigo-MuseST

Start at: 2019-08-27 12:55:28

End at: 2019-08-27 12:55:58

Local clock offset: 0.609 ms

Remote clock offset: 0.643 ms

Below is generated by plot.py at 2019-08-27 13:52:32

Datalink statistics

-- Total of 3 flows:

Average throughput: 79.61 Mbit/s

95th percentile per-packet one-way delay: 16.577 ms

Loss rate: 0.08%

-- Flow 1:

Average throughput: 49.53 Mbit/s

95th percentile per-packet one-way delay: 16.543 ms

Loss rate: 0.05%

-- Flow 2:

Average throughput: 37.06 Mbit/s

95th percentile per-packet one-way delay: 16.086 ms

Loss rate: 0.13%

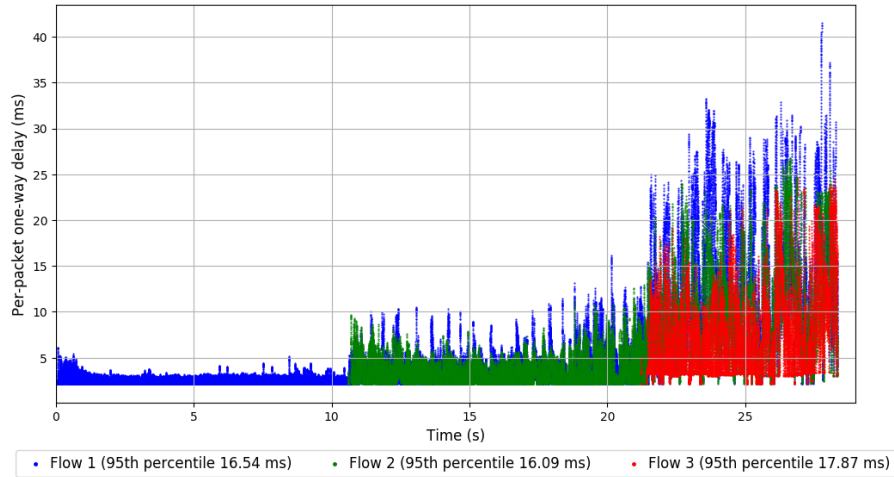
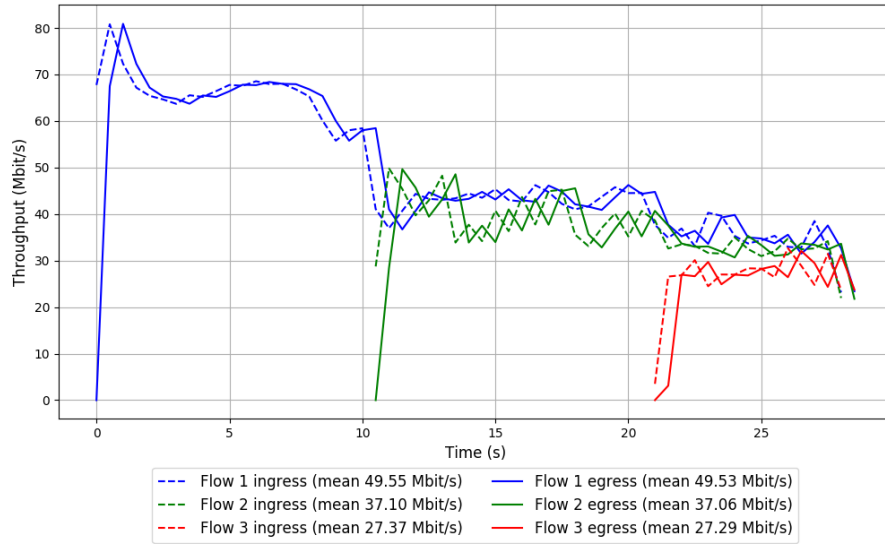
-- Flow 3:

Average throughput: 27.29 Mbit/s

95th percentile per-packet one-way delay: 17.871 ms

Loss rate: 0.16%

Run 4: Report of Indigo-MusesT — Data Link



Run 5: Statistics of Indigo-MuseST

Start at: 2019-08-27 13:22:59

End at: 2019-08-27 13:23:29

Local clock offset: -0.147 ms

Remote clock offset: 0.763 ms

Below is generated by plot.py at 2019-08-27 13:52:42

Datalink statistics

-- Total of 3 flows:

Average throughput: 79.40 Mbit/s

95th percentile per-packet one-way delay: 18.005 ms

Loss rate: 0.06%

-- Flow 1:

Average throughput: 49.53 Mbit/s

95th percentile per-packet one-way delay: 15.482 ms

Loss rate: 0.01%

-- Flow 2:

Average throughput: 36.69 Mbit/s

95th percentile per-packet one-way delay: 19.345 ms

Loss rate: 0.04%

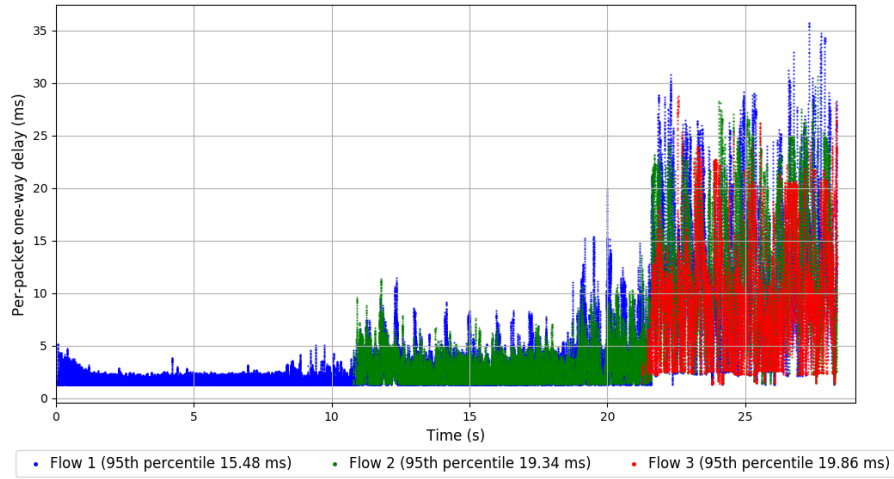
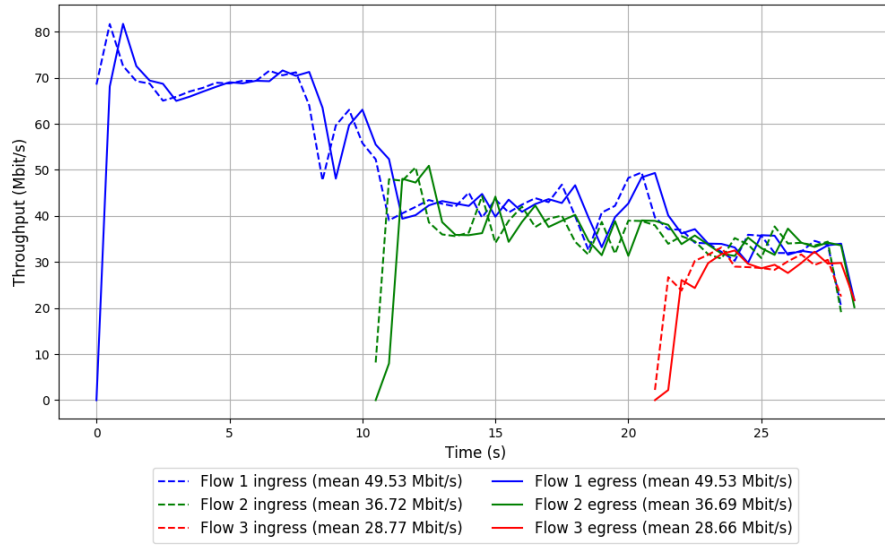
-- Flow 3:

Average throughput: 28.66 Mbit/s

95th percentile per-packet one-way delay: 19.864 ms

Loss rate: 0.42%

Run 5: Report of Indigo-MusesT — Data Link



Run 1: Statistics of LEDBAT

Start at: 2019-08-27 11:50:07
End at: 2019-08-27 11:50:37
Local clock offset: -0.261 ms
Remote clock offset: -0.197 ms

Below is generated by plot.py at 2019-08-27 13:53:07

Datalink statistics

-- Total of 3 flows:

Average throughput: 96.85 Mbit/s
95th percentile per-packet one-way delay: 13.450 ms
Loss rate: 0.20%

-- Flow 1:

Average throughput: 59.07 Mbit/s
95th percentile per-packet one-way delay: 13.221 ms
Loss rate: 0.14%

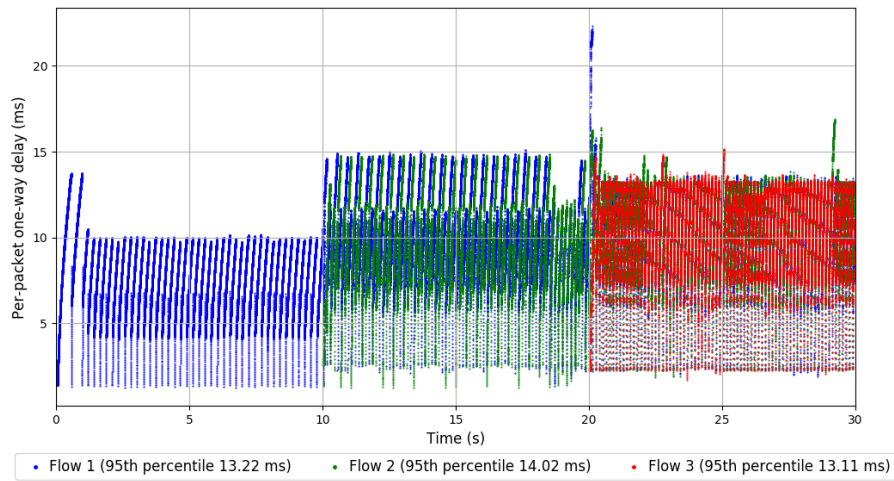
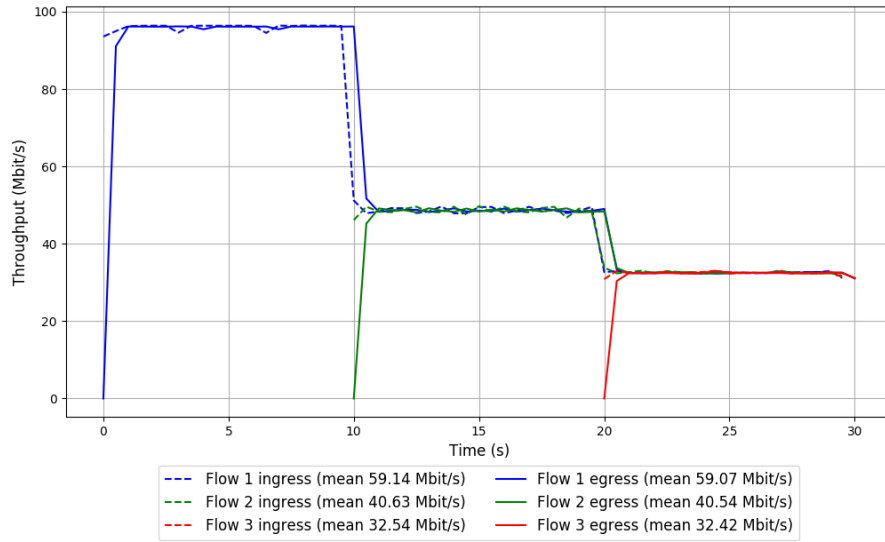
-- Flow 2:

Average throughput: 40.54 Mbit/s
95th percentile per-packet one-way delay: 14.017 ms
Loss rate: 0.25%

-- Flow 3:

Average throughput: 32.42 Mbit/s
95th percentile per-packet one-way delay: 13.107 ms
Loss rate: 0.40%

Run 1: Report of LEDBAT — Data Link



Run 2: Statistics of LEDBAT

Start at: 2019-08-27 12:17:37

End at: 2019-08-27 12:18:07

Local clock offset: 0.607 ms

Remote clock offset: 0.287 ms

Below is generated by plot.py at 2019-08-27 13:53:16

Datalink statistics

-- Total of 3 flows:

Average throughput: 96.53 Mbit/s

95th percentile per-packet one-way delay: 14.147 ms

Loss rate: 0.18%

-- Flow 1:

Average throughput: 58.68 Mbit/s

95th percentile per-packet one-way delay: 13.791 ms

Loss rate: 0.12%

-- Flow 2:

Average throughput: 40.57 Mbit/s

95th percentile per-packet one-way delay: 14.512 ms

Loss rate: 0.23%

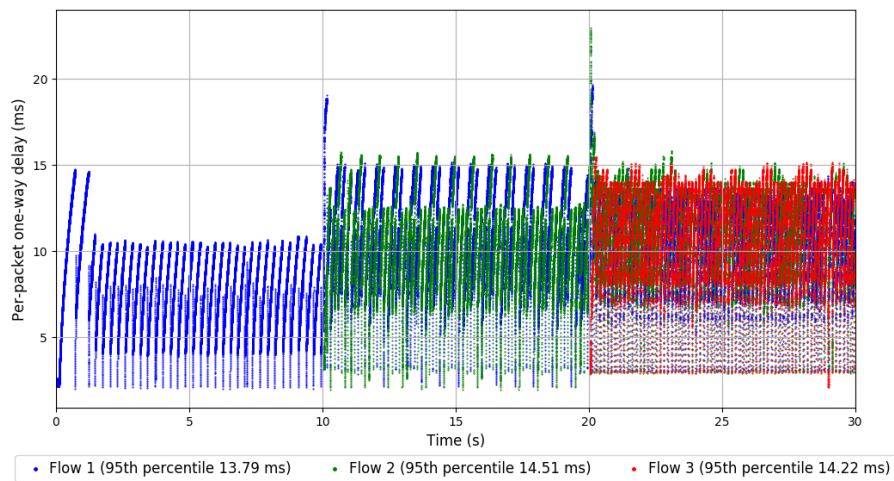
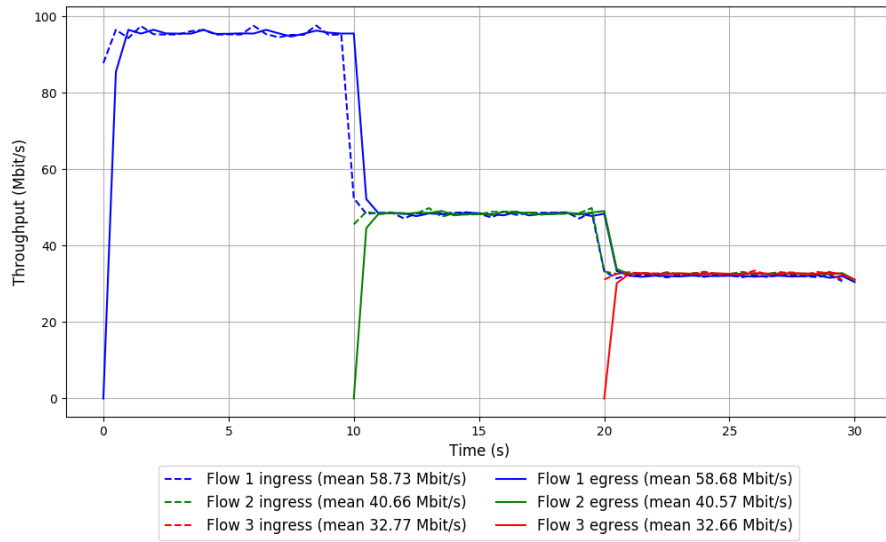
-- Flow 3:

Average throughput: 32.66 Mbit/s

95th percentile per-packet one-way delay: 14.223 ms

Loss rate: 0.38%

Run 2: Report of LEDBAT — Data Link



Run 3: Statistics of LEDBAT

Start at: 2019-08-27 12:45:07

End at: 2019-08-27 12:45:37

Local clock offset: -0.156 ms

Remote clock offset: 0.572 ms

Below is generated by plot.py at 2019-08-27 13:53:34

Datalink statistics

-- Total of 3 flows:

Average throughput: 96.56 Mbit/s

95th percentile per-packet one-way delay: 13.467 ms

Loss rate: 0.17%

-- Flow 1:

Average throughput: 58.76 Mbit/s

95th percentile per-packet one-way delay: 13.090 ms

Loss rate: 0.13%

-- Flow 2:

Average throughput: 40.71 Mbit/s

95th percentile per-packet one-way delay: 13.961 ms

Loss rate: 0.22%

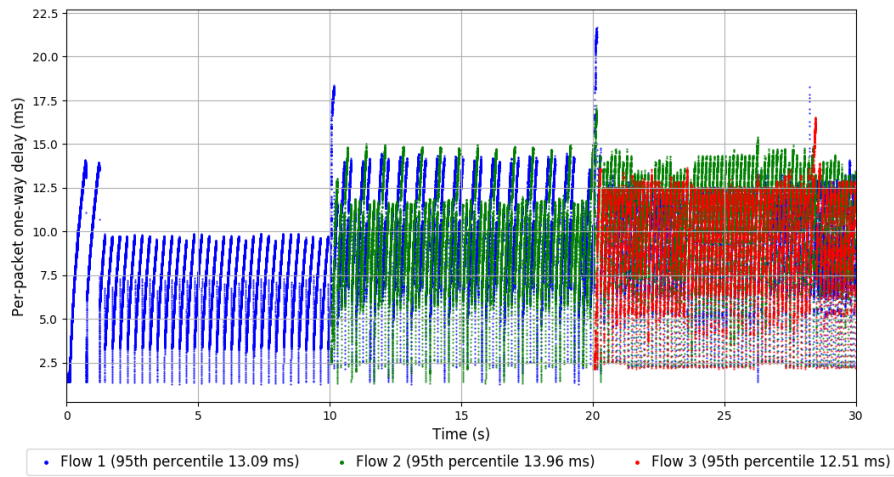
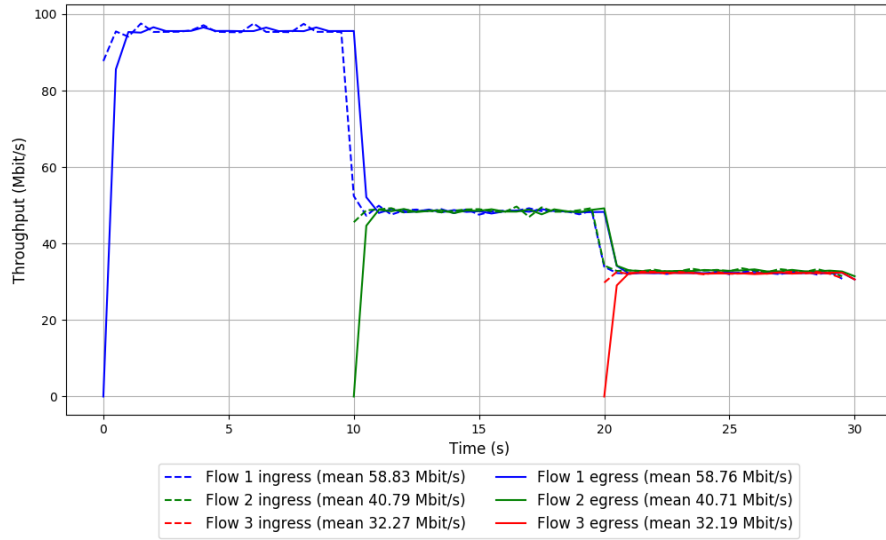
-- Flow 3:

Average throughput: 32.19 Mbit/s

95th percentile per-packet one-way delay: 12.508 ms

Loss rate: 0.33%

Run 3: Report of LEDBAT — Data Link



Run 4: Statistics of LEDBAT

Start at: 2019-08-27 13:12:39

End at: 2019-08-27 13:13:09

Local clock offset: -0.191 ms

Remote clock offset: 0.685 ms

Below is generated by plot.py at 2019-08-27 13:53:44

Datalink statistics

-- Total of 3 flows:

Average throughput: 96.52 Mbit/s

95th percentile per-packet one-way delay: 13.342 ms

Loss rate: 0.18%

-- Flow 1:

Average throughput: 60.48 Mbit/s

95th percentile per-packet one-way delay: 12.446 ms

Loss rate: 0.12%

-- Flow 2:

Average throughput: 37.77 Mbit/s

95th percentile per-packet one-way delay: 13.204 ms

Loss rate: 0.25%

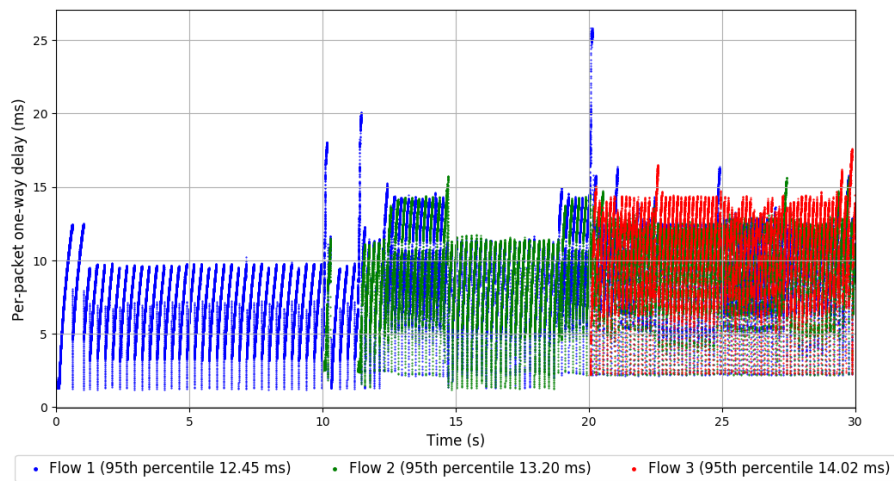
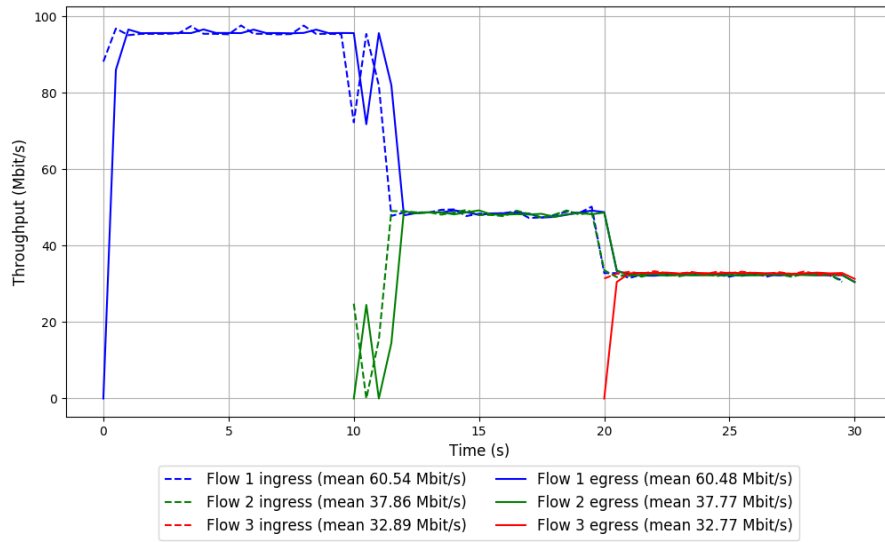
-- Flow 3:

Average throughput: 32.77 Mbit/s

95th percentile per-packet one-way delay: 14.024 ms

Loss rate: 0.40%

Run 4: Report of LEDBAT — Data Link



Run 5: Statistics of LEDBAT

Start at: 2019-08-27 13:40:11

End at: 2019-08-27 13:40:41

Local clock offset: 0.712 ms

Remote clock offset: 0.639 ms

Below is generated by plot.py at 2019-08-27 13:53:45

Datalink statistics

-- Total of 3 flows:

Average throughput: 96.37 Mbit/s

95th percentile per-packet one-way delay: 13.250 ms

Loss rate: 0.17%

-- Flow 1:

Average throughput: 58.78 Mbit/s

95th percentile per-packet one-way delay: 12.933 ms

Loss rate: 0.12%

-- Flow 2:

Average throughput: 40.28 Mbit/s

95th percentile per-packet one-way delay: 13.739 ms

Loss rate: 0.21%

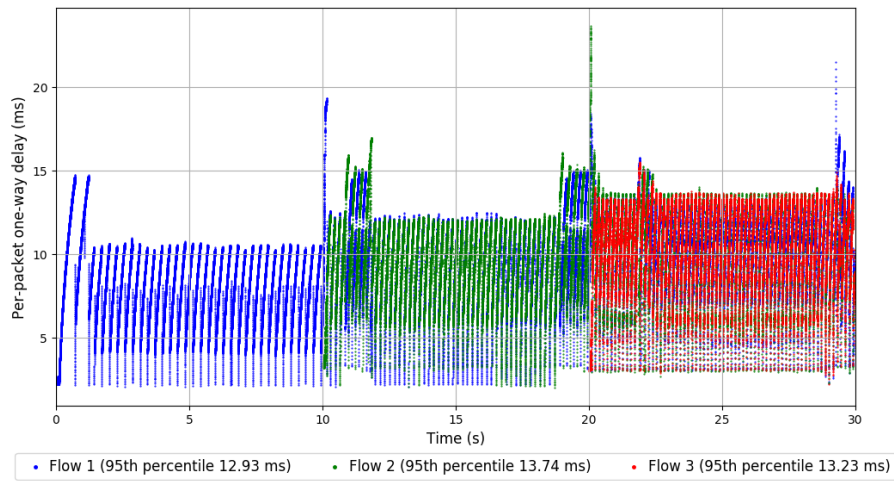
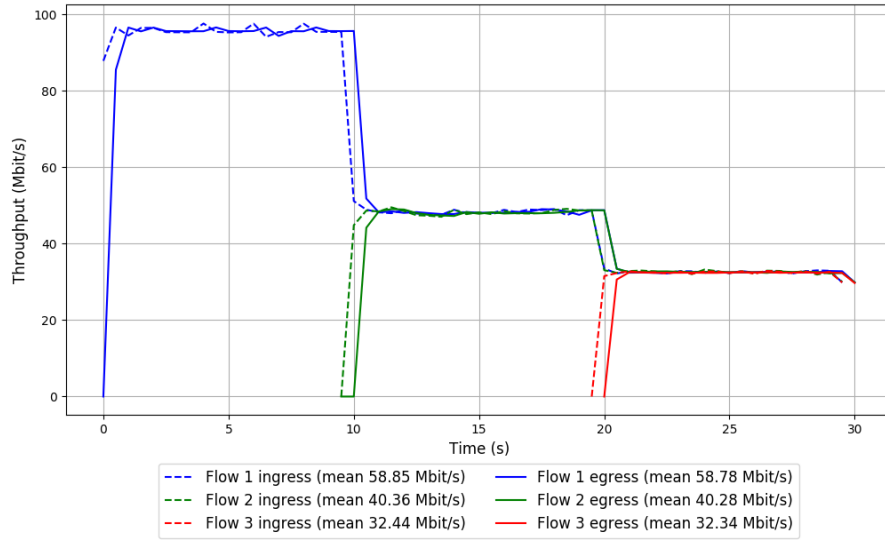
-- Flow 3:

Average throughput: 32.34 Mbit/s

95th percentile per-packet one-way delay: 13.234 ms

Loss rate: 0.34%

Run 5: Report of LEDBAT — Data Link



Run 1: Statistics of Muses_DecisionTree

Start at: 2019-08-27 11:38:47
End at: 2019-08-27 11:39:17
Local clock offset: 0.489 ms
Remote clock offset: -0.383 ms

Below is generated by plot.py at 2019-08-27 13:53:45

Datalink statistics

-- Total of 3 flows:

Average throughput: 16.53 Mbit/s
95th percentile per-packet one-way delay: 2.340 ms
Loss rate: 0.01%

-- Flow 1:

Average throughput: 7.96 Mbit/s
95th percentile per-packet one-way delay: 2.369 ms
Loss rate: 0.01%

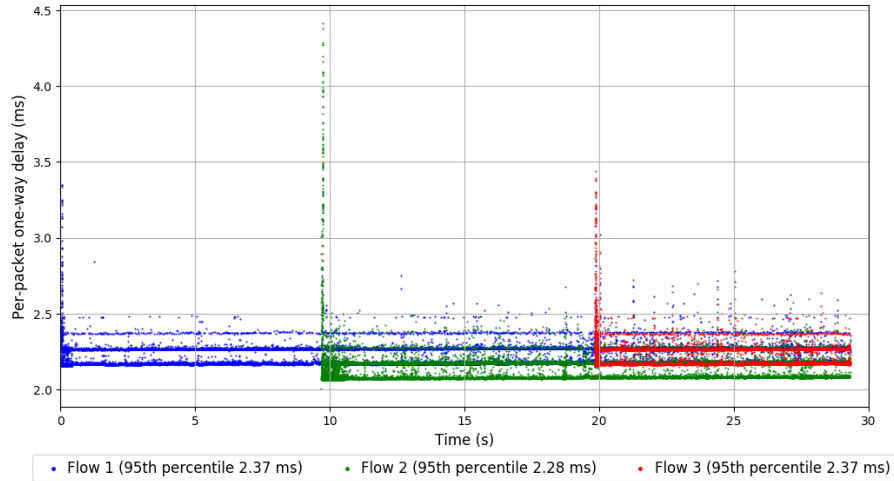
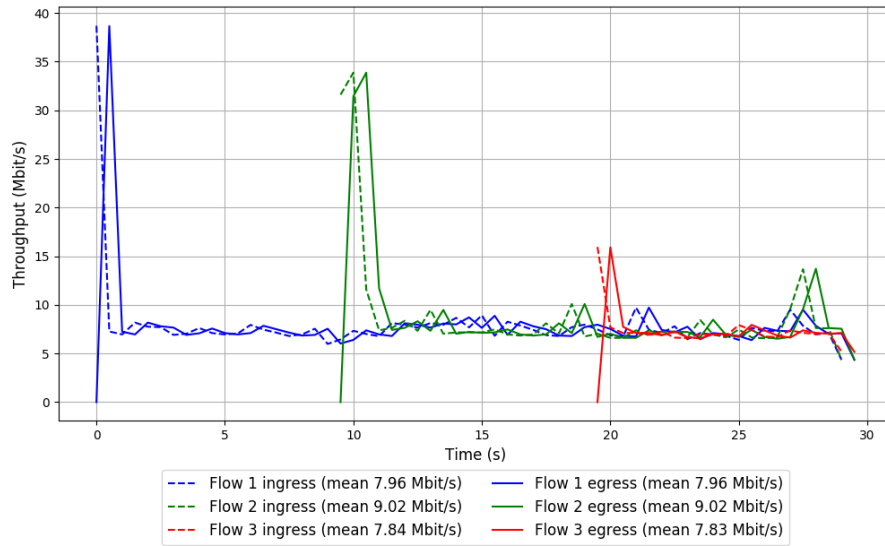
-- Flow 2:

Average throughput: 9.02 Mbit/s
95th percentile per-packet one-way delay: 2.280 ms
Loss rate: 0.01%

-- Flow 3:

Average throughput: 7.83 Mbit/s
95th percentile per-packet one-way delay: 2.369 ms
Loss rate: 0.02%

Run 1: Report of Muses_DecisionTree — Data Link



Run 2: Statistics of Muses_DecisionTree

Start at: 2019-08-27 12:06:17

End at: 2019-08-27 12:06:47

Local clock offset: 0.624 ms

Remote clock offset: 0.089 ms

Below is generated by plot.py at 2019-08-27 13:53:45

Datalink statistics

-- Total of 3 flows:

Average throughput: 10.31 Mbit/s

95th percentile per-packet one-way delay: 2.434 ms

Loss rate: 0.01%

-- Flow 1:

Average throughput: 5.11 Mbit/s

95th percentile per-packet one-way delay: 2.432 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 5.33 Mbit/s

95th percentile per-packet one-way delay: 2.436 ms

Loss rate: 0.02%

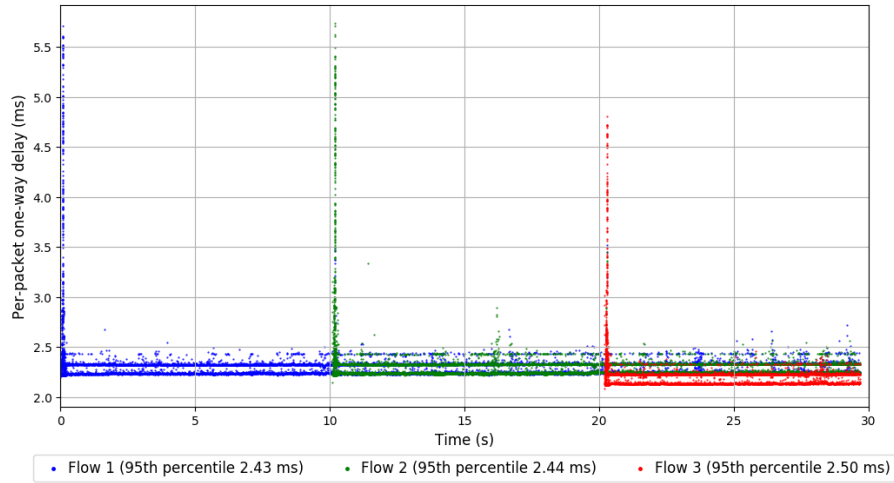
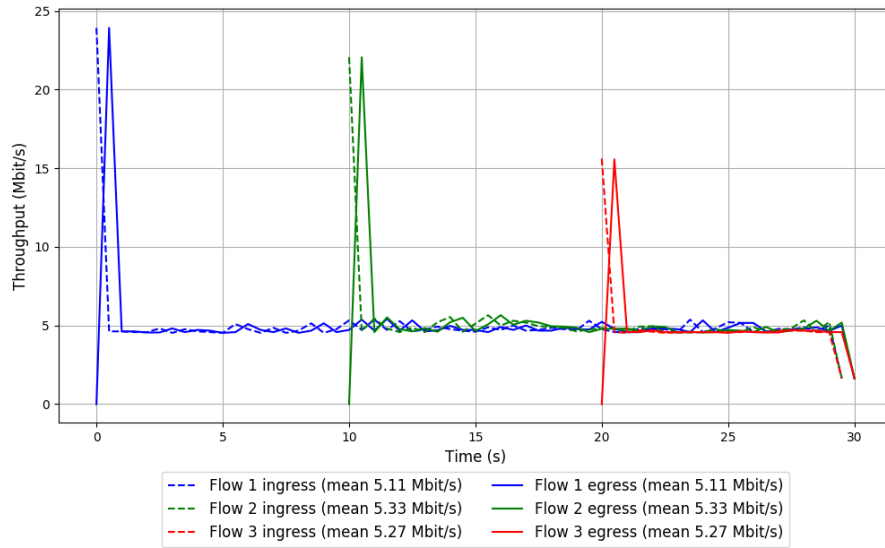
-- Flow 3:

Average throughput: 5.27 Mbit/s

95th percentile per-packet one-way delay: 2.499 ms

Loss rate: 0.00%

Run 2: Report of Muses_DecisionTree — Data Link



Run 3: Statistics of Muses_DecisionTree

Start at: 2019-08-27 12:33:49

End at: 2019-08-27 12:34:19

Local clock offset: 0.627 ms

Remote clock offset: 0.42 ms

Below is generated by plot.py at 2019-08-27 13:53:45

Datalink statistics

-- Total of 3 flows:

Average throughput: 15.22 Mbit/s

95th percentile per-packet one-way delay: 2.376 ms

Loss rate: 0.01%

-- Flow 1:

Average throughput: 10.04 Mbit/s

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

Loss rate: 0.00%

-- Flow 2:

Average throughput: 5.19 Mbit/s

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

Loss rate: 0.02%

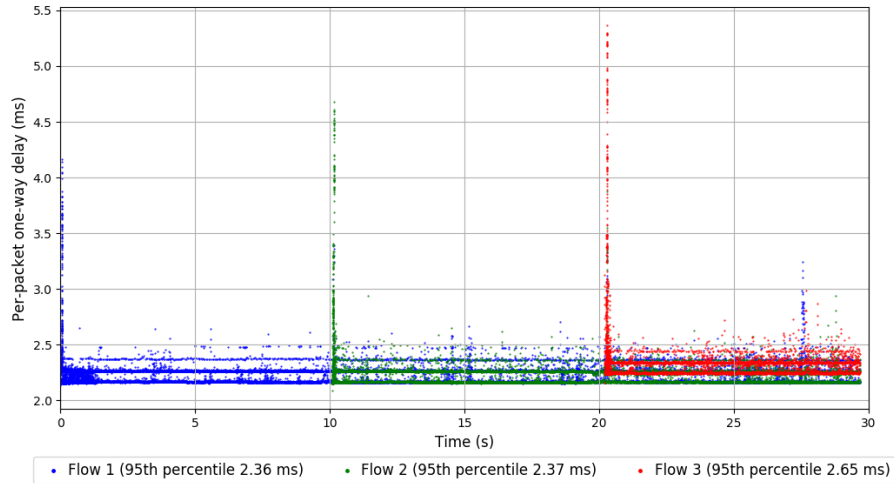
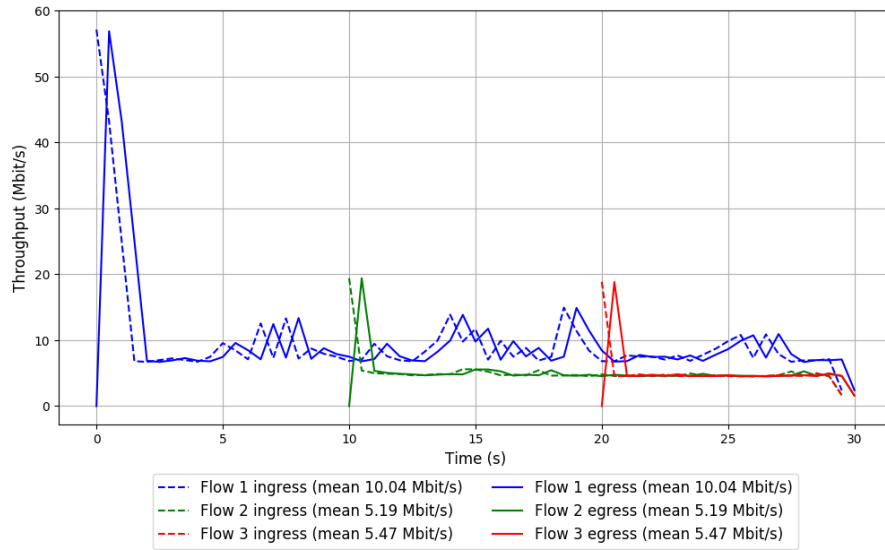
-- Flow 3:

Average throughput: 5.47 Mbit/s

95th percentile per-packet one-way delay: 2.655 ms

Loss rate: 0.05%

Run 3: Report of Muses_DecisionTree — Data Link



Run 4: Statistics of Muses_DecisionTree

Start at: 2019-08-27 13:01:19

End at: 2019-08-27 13:01:49

Local clock offset: -0.184 ms

Remote clock offset: 0.654 ms

Below is generated by plot.py at 2019-08-27 13:53:45

Datalink statistics

-- Total of 3 flows:

Average throughput: 14.15 Mbit/s

95th percentile per-packet one-way delay: 1.607 ms

Loss rate: 0.02%

-- Flow 1:

Average throughput: 8.45 Mbit/s

95th percentile per-packet one-way delay: 1.609 ms

Loss rate: 0.01%

-- Flow 2:

Average throughput: 4.67 Mbit/s

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

Loss rate: 0.03%

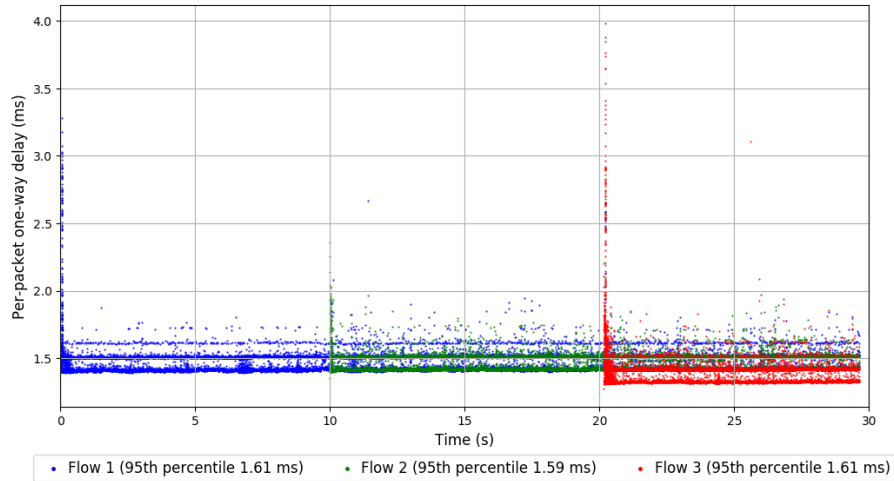
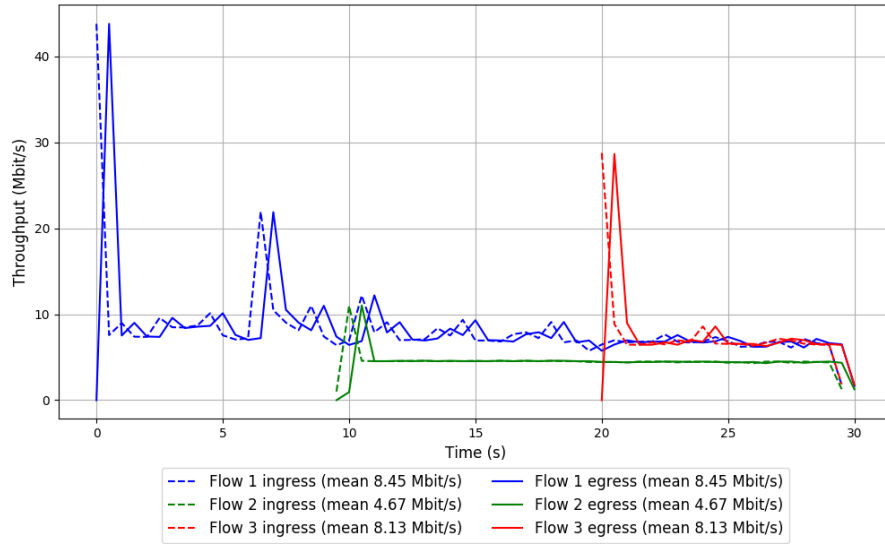
-- Flow 3:

Average throughput: 8.13 Mbit/s

95th percentile per-packet one-way delay: 1.609 ms

Loss rate: 0.03%

Run 4: Report of Muses_DecisionTree — Data Link



Run 5: Statistics of Muses_DecisionTree

Start at: 2019-08-27 13:28:50

End at: 2019-08-27 13:29:20

Local clock offset: -0.105 ms

Remote clock offset: 0.71 ms

Below is generated by plot.py at 2019-08-27 13:53:45

Datalink statistics

-- Total of 3 flows:

Average throughput: 12.59 Mbit/s

95th percentile per-packet one-way delay: 1.640 ms

Loss rate: 0.03%

-- Flow 1:

Average throughput: 5.40 Mbit/s

95th percentile per-packet one-way delay: 1.646 ms

Loss rate: 0.02%

-- Flow 2:

Average throughput: 8.17 Mbit/s

95th percentile per-packet one-way delay: 1.567 ms

Loss rate: 0.04%

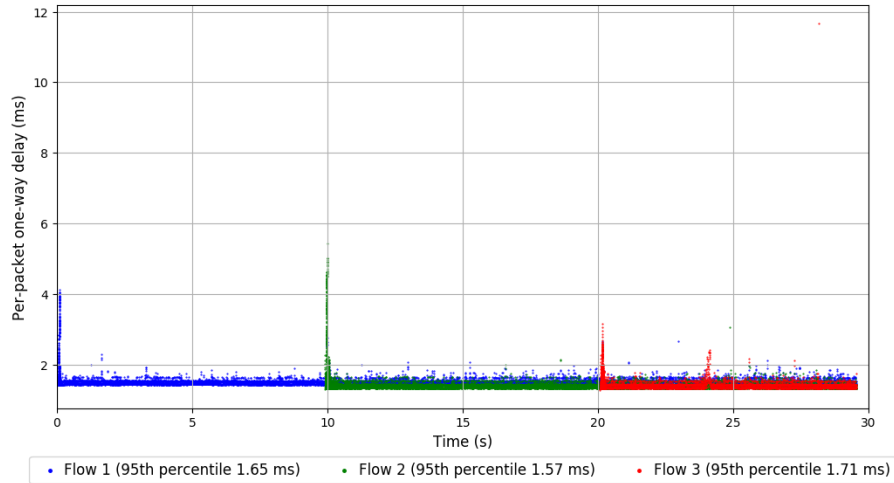
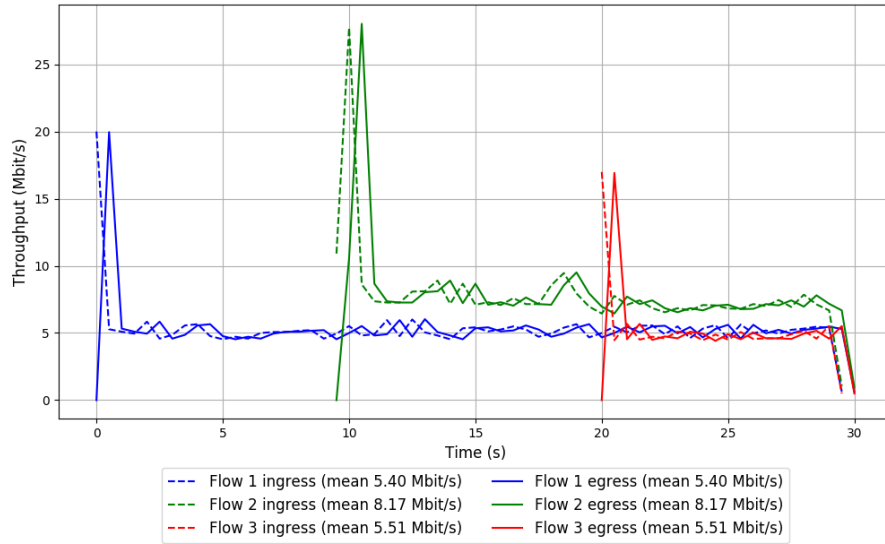
-- Flow 3:

Average throughput: 5.51 Mbit/s

95th percentile per-packet one-way delay: 1.714 ms

Loss rate: 0.00%

Run 5: Report of Muses_DecisionTree — Data Link



Run 1: Statistics of Muses_DecisionTreeH0

Start at: 2019-08-27 11:28:28
End at: 2019-08-27 11:28:58
Local clock offset: -0.277 ms
Remote clock offset: -0.544 ms

Below is generated by plot.py at 2019-08-27 13:53:45

Datalink statistics

-- Total of 3 flows:

Average throughput: 15.88 Mbit/s
95th percentile per-packet one-way delay: 1.607 ms
Loss rate: 0.01%

-- Flow 1:

Average throughput: 10.45 Mbit/s
95th percentile per-packet one-way delay: 1.626 ms
Loss rate: 0.02%

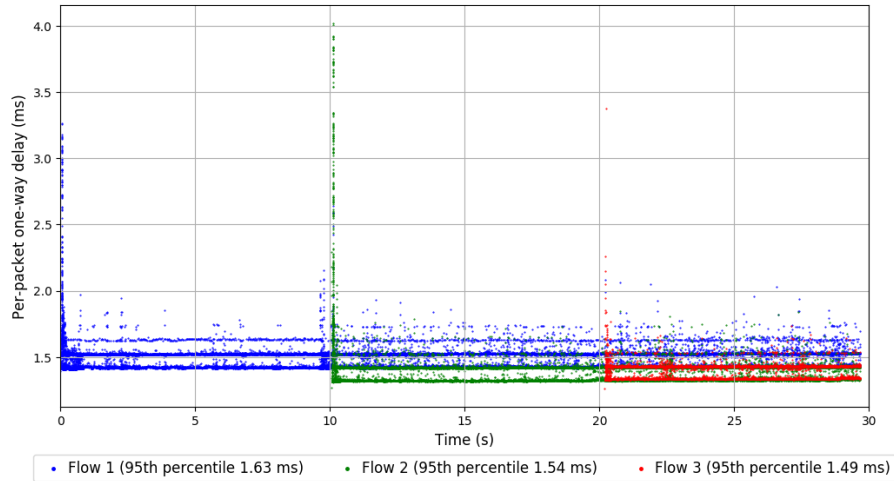
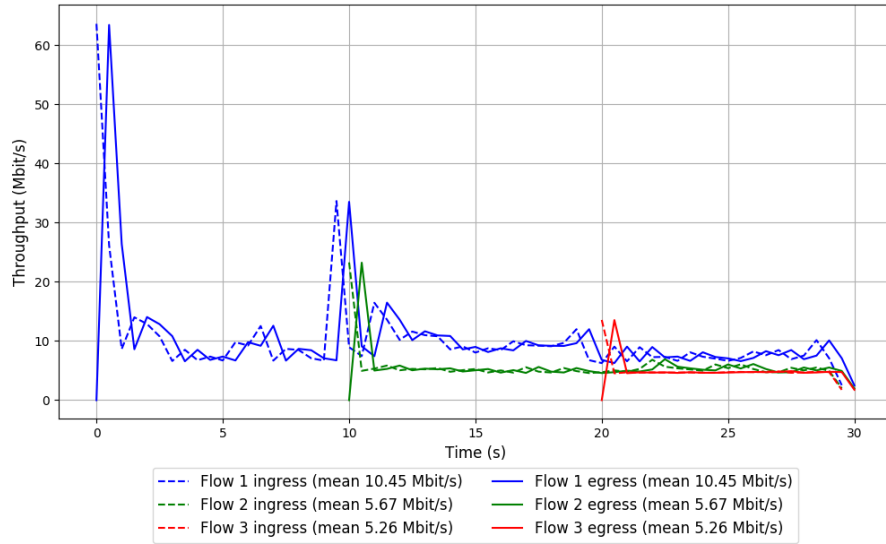
-- Flow 2:

Average throughput: 5.67 Mbit/s
95th percentile per-packet one-way delay: 1.539 ms
Loss rate: 0.02%

-- Flow 3:

Average throughput: 5.26 Mbit/s
95th percentile per-packet one-way delay: 1.486 ms
Loss rate: 0.00%

Run 1: Report of Muses_DecisionTreeH0 — Data Link



Run 2: Statistics of Muses_DecisionTreeH0

Start at: 2019-08-27 11:55:58

End at: 2019-08-27 11:56:28

Local clock offset: 0.547 ms

Remote clock offset: -0.05 ms

Below is generated by plot.py at 2019-08-27 13:53:45

Datalink statistics

-- Total of 3 flows:

Average throughput: 20.79 Mbit/s

95th percentile per-packet one-way delay: 2.363 ms

Loss rate: 0.01%

-- Flow 1:

Average throughput: 11.22 Mbit/s

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

Loss rate: 0.01%

-- Flow 2:

Average throughput: 10.02 Mbit/s

95th percentile per-packet one-way delay: 2.368 ms

Loss rate: 0.01%

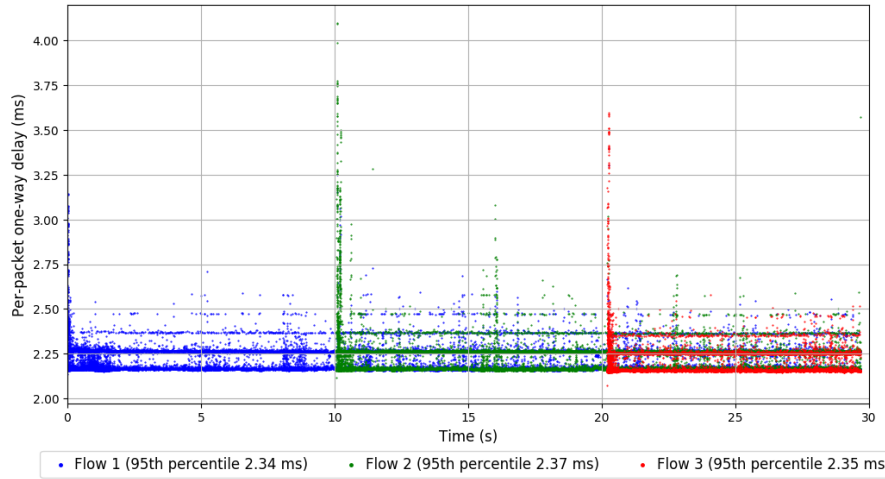
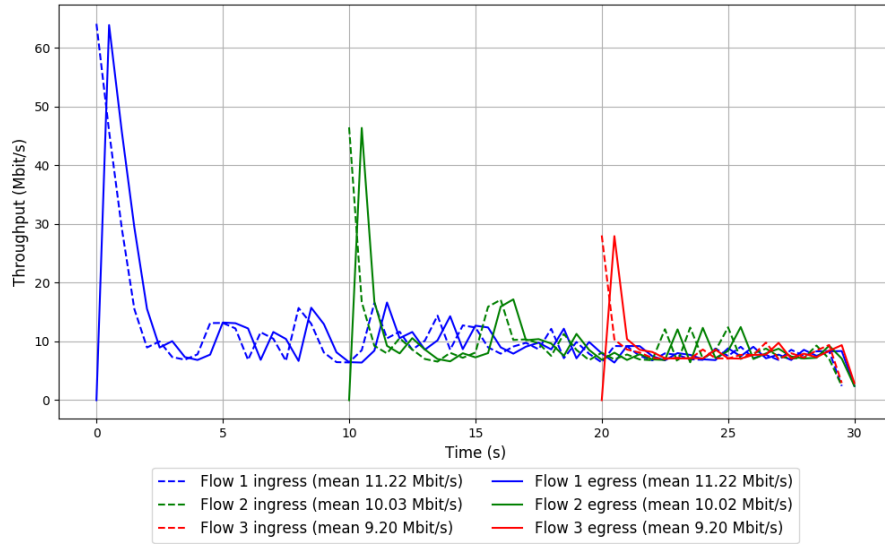
-- Flow 3:

Average throughput: 9.20 Mbit/s

95th percentile per-packet one-way delay: 2.354 ms

Loss rate: 0.05%

Run 2: Report of Muses_DecisionTreeH0 — Data Link



Run 3: Statistics of Muses_DecisionTreeH0

Start at: 2019-08-27 12:23:28

End at: 2019-08-27 12:23:58

Local clock offset: -0.19 ms

Remote clock offset: 0.464 ms

Below is generated by plot.py at 2019-08-27 13:53:45

Datalink statistics

-- Total of 3 flows:

Average throughput: 47.35 Mbit/s

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

Loss rate: 0.01%

-- Flow 1:

Average throughput: 34.69 Mbit/s

95th percentile per-packet one-way delay: 1.361 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 16.86 Mbit/s

95th percentile per-packet one-way delay: 1.381 ms

Loss rate: 0.01%

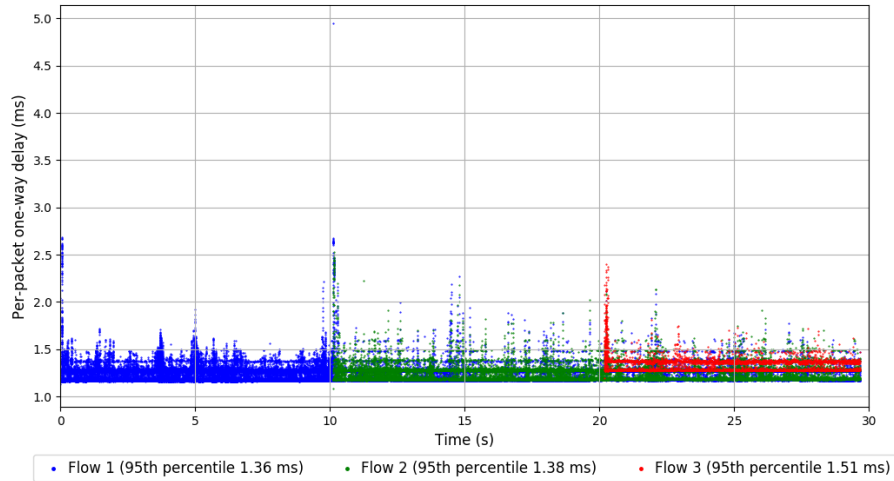
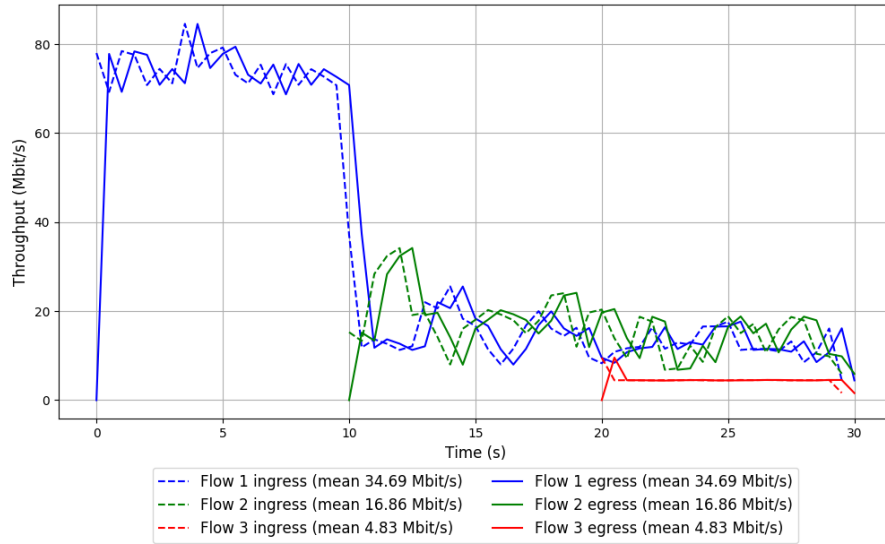
-- Flow 3:

Average throughput: 4.83 Mbit/s

95th percentile per-packet one-way delay: 1.511 ms

Loss rate: 0.05%

Run 3: Report of Muses_DecisionTreeH0 — Data Link



Run 4: Statistics of Muses_DecisionTreeH0

Start at: 2019-08-27 12:50:59

End at: 2019-08-27 12:51:29

Local clock offset: -0.157 ms

Remote clock offset: 0.683 ms

Below is generated by plot.py at 2019-08-27 13:53:45

Datalink statistics

-- Total of 3 flows:

Average throughput: 37.41 Mbit/s

95th percentile per-packet one-way delay: 1.418 ms

Loss rate: 0.01%

-- Flow 1:

Average throughput: 31.80 Mbit/s

95th percentile per-packet one-way delay: 1.375 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 5.67 Mbit/s

95th percentile per-packet one-way delay: 1.579 ms

Loss rate: 0.02%

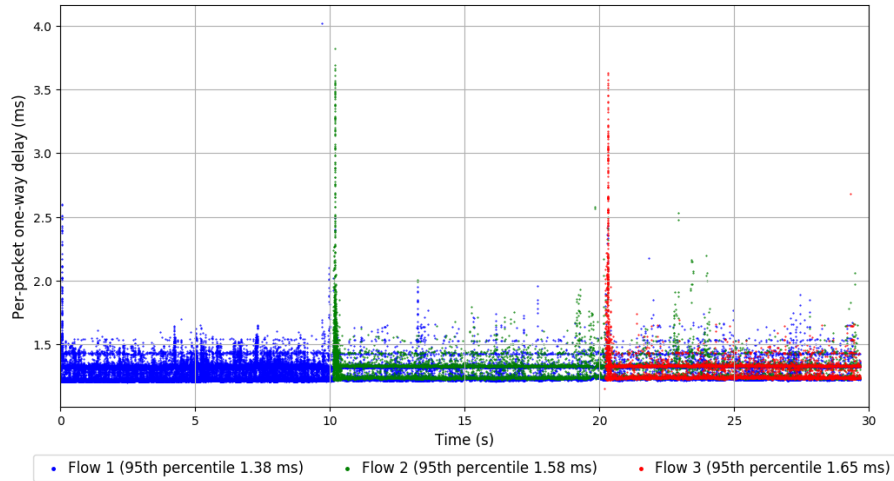
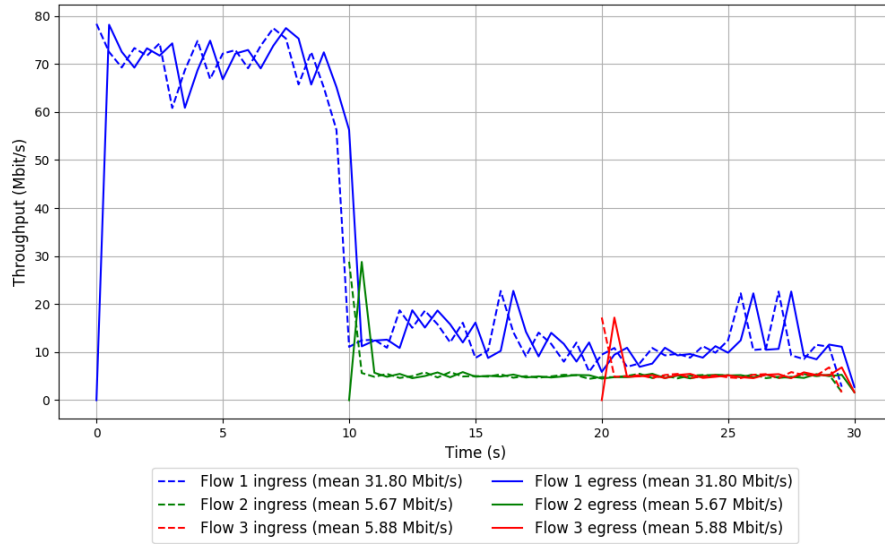
-- Flow 3:

Average throughput: 5.88 Mbit/s

95th percentile per-packet one-way delay: 1.646 ms

Loss rate: 0.00%

Run 4: Report of Muses_DecisionTreeH0 — Data Link



Run 5: Statistics of Muses_DecisionTreeH0

Start at: 2019-08-27 13:18:30

End at: 2019-08-27 13:19:00

Local clock offset: -0.214 ms

Remote clock offset: 0.749 ms

Below is generated by plot.py at 2019-08-27 13:53:45

Datalink statistics

-- Total of 3 flows:

Average throughput: 16.40 Mbit/s

95th percentile per-packet one-way delay: 1.501 ms

Loss rate: 0.01%

-- Flow 1:

Average throughput: 10.74 Mbit/s

95th percentile per-packet one-way delay: 1.475 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 5.79 Mbit/s

95th percentile per-packet one-way delay: 1.580 ms

Loss rate: 0.02%

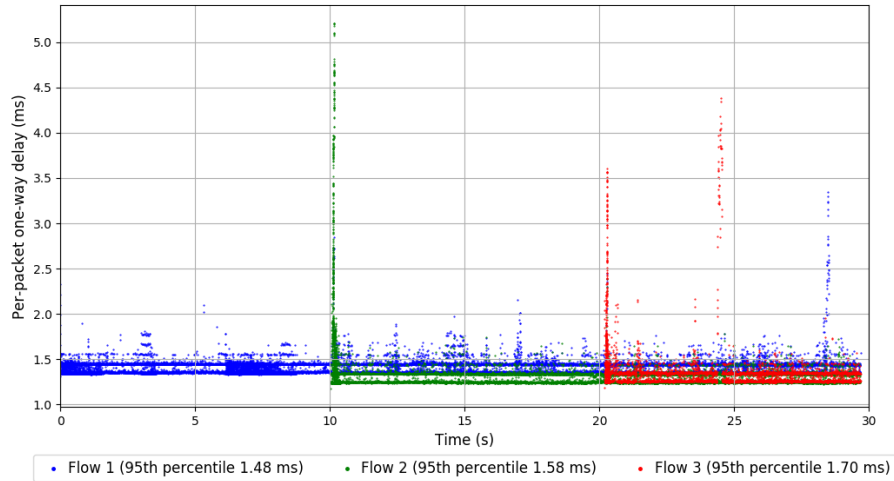
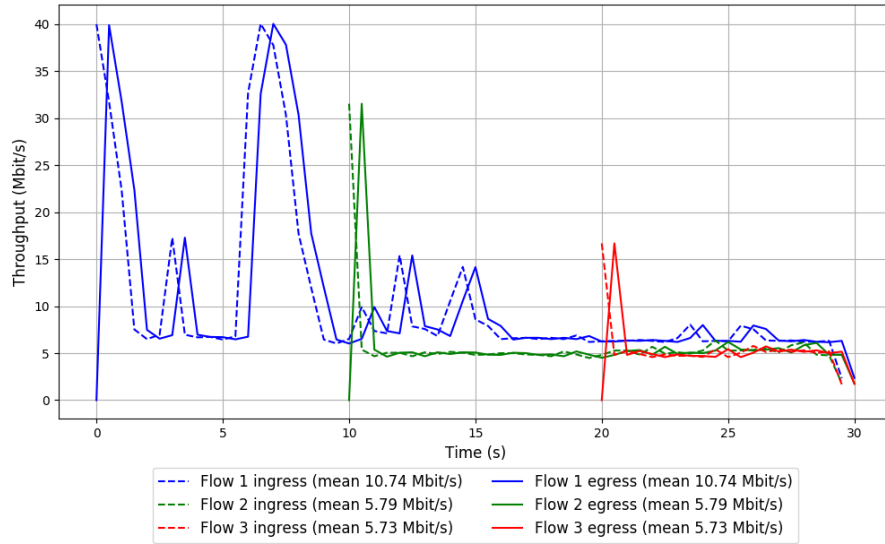
-- Flow 3:

Average throughput: 5.73 Mbit/s

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

Loss rate: 0.00%

Run 5: Report of Muses_DecisionTreeH0 — Data Link



Run 1: Statistics of Muses_DecisionTreeR0

Start at: 2019-08-27 11:41:03
End at: 2019-08-27 11:41:33
Local clock offset: -0.329 ms
Remote clock offset: -0.346 ms

Below is generated by plot.py at 2019-08-27 13:53:45

Datalink statistics

-- Total of 3 flows:

Average throughput: 25.58 Mbit/s
95th percentile per-packet one-way delay: 1.459 ms
Loss rate: 0.01%

-- Flow 1:

Average throughput: 17.81 Mbit/s
95th percentile per-packet one-way delay: 1.381 ms
Loss rate: 0.00%

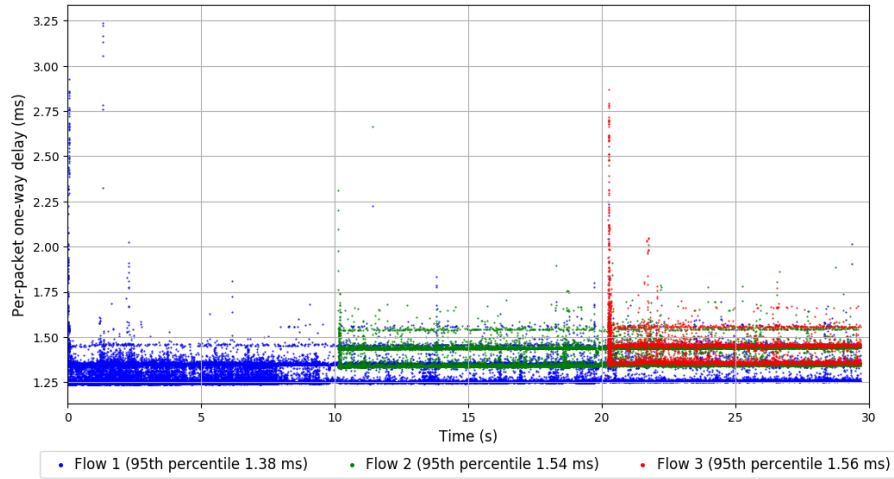
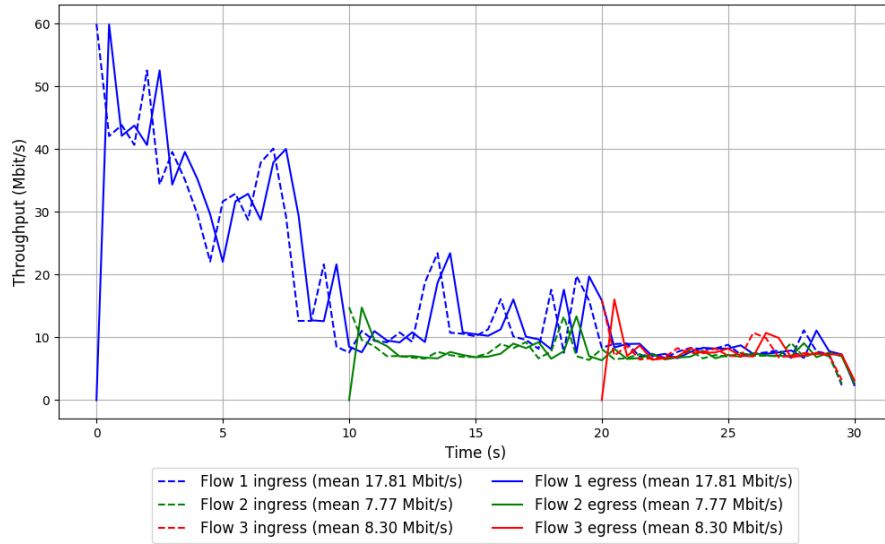
-- Flow 2:

Average throughput: 7.77 Mbit/s
95th percentile per-packet one-way delay: 1.539 ms
Loss rate: 0.01%

-- Flow 3:

Average throughput: 8.30 Mbit/s
95th percentile per-packet one-way delay: 1.562 ms
Loss rate: 0.03%

Run 1: Report of Muses_DecisionTreeR0 — Data Link



Run 2: Statistics of Muses_DecisionTreeR0

Start at: 2019-08-27 12:08:33

End at: 2019-08-27 12:09:03

Local clock offset: 0.566 ms

Remote clock offset: 0.096 ms

Below is generated by plot.py at 2019-08-27 13:53:45

Datalink statistics

-- Total of 3 flows:

Average throughput: 14.50 Mbit/s

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

Loss rate: 0.01%

-- Flow 1:

Average throughput: 9.41 Mbit/s

95th percentile per-packet one-way delay: 2.406 ms

Loss rate: 0.02%

-- Flow 2:

Average throughput: 5.27 Mbit/s

95th percentile per-packet one-way delay: 2.312 ms

Loss rate: 0.00%

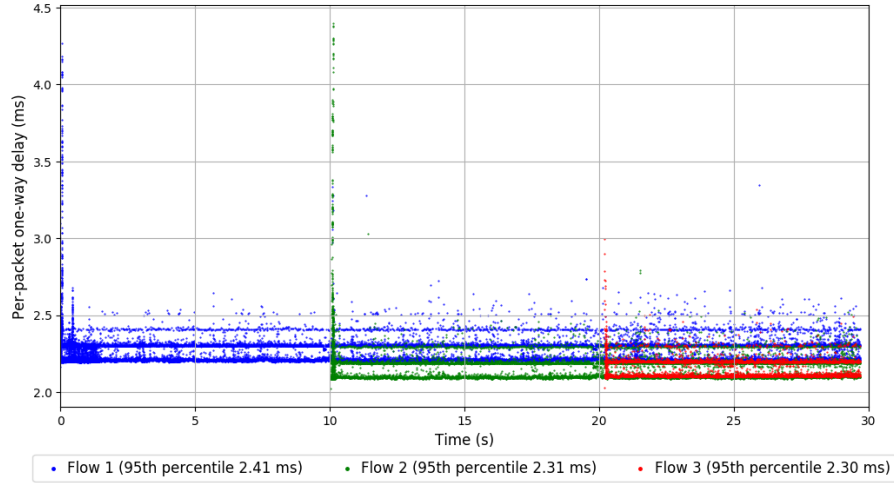
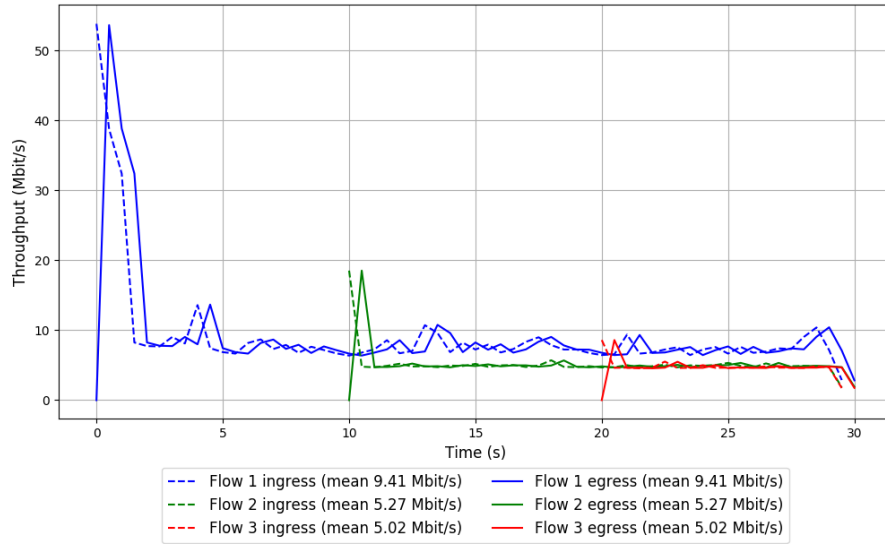
-- Flow 3:

Average throughput: 5.02 Mbit/s

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

Loss rate: 0.02%

Run 2: Report of Muses_DecisionTreeR0 — Data Link



Run 3: Statistics of Muses_DecisionTreeR0

Start at: 2019-08-27 12:36:04

End at: 2019-08-27 12:36:34

Local clock offset: -0.144 ms

Remote clock offset: 0.479 ms

Below is generated by plot.py at 2019-08-27 13:53:45

Datalink statistics

-- Total of 3 flows:

Average throughput: 14.72 Mbit/s

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

Loss rate: 0.01%

-- Flow 1:

Average throughput: 5.84 Mbit/s

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

Loss rate: 0.00%

-- Flow 2:

Average throughput: 10.79 Mbit/s

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

Loss rate: 0.01%

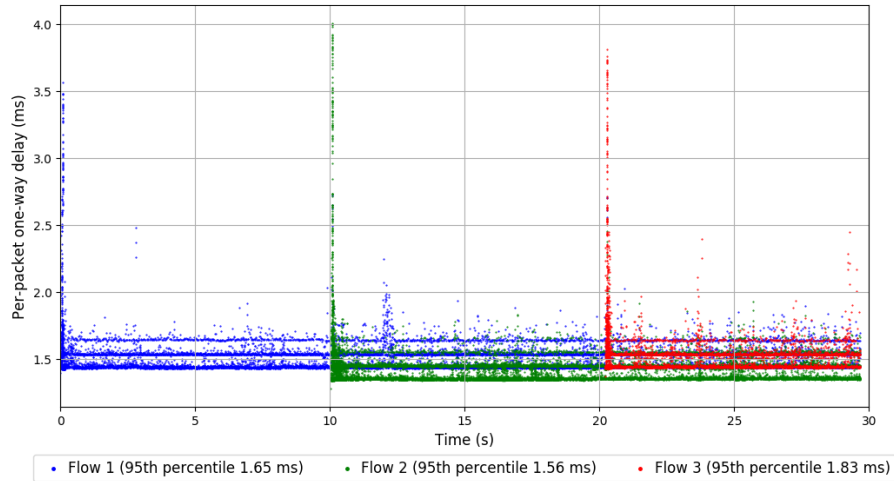
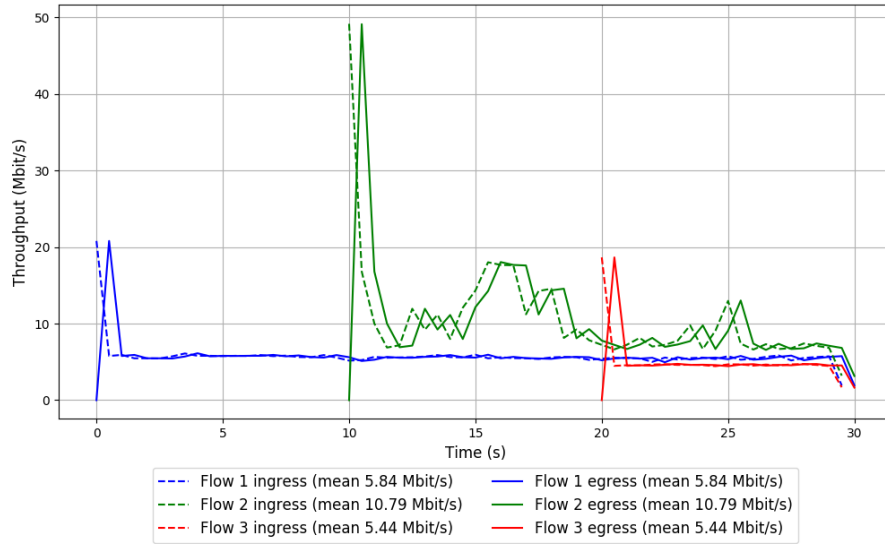
-- Flow 3:

Average throughput: 5.44 Mbit/s

95th percentile per-packet one-way delay: 1.827 ms

Loss rate: 0.05%

Run 3: Report of Muses_DecisionTreeR0 — Data Link



Run 4: Statistics of Muses_DecisionTreeR0

Start at: 2019-08-27 13:03:34

End at: 2019-08-27 13:04:04

Local clock offset: 0.579 ms

Remote clock offset: 0.722 ms

Below is generated by plot.py at 2019-08-27 13:53:50

Datalink statistics

-- Total of 3 flows:

Average throughput: 22.93 Mbit/s

95th percentile per-packet one-way delay: 2.226 ms

Loss rate: 0.01%

-- Flow 1:

Average throughput: 17.41 Mbit/s

95th percentile per-packet one-way delay: 2.155 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 4.64 Mbit/s

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

Loss rate: 0.03%

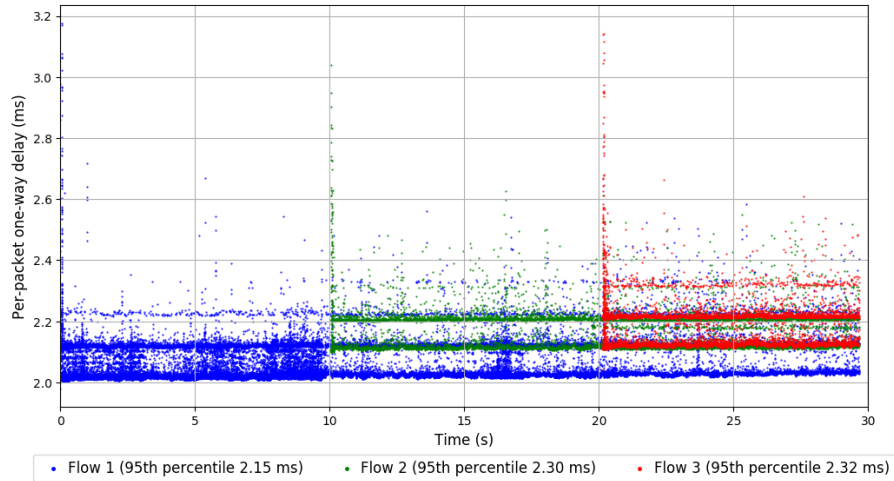
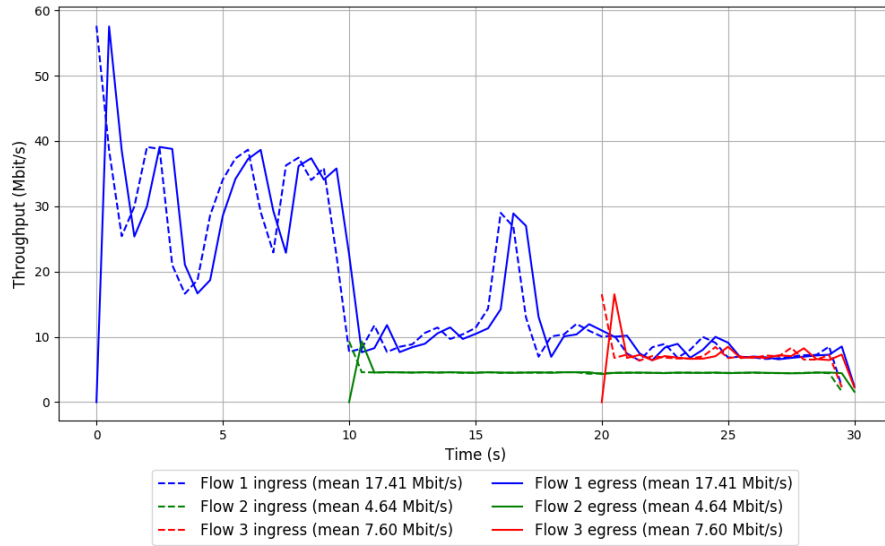
-- Flow 3:

Average throughput: 7.60 Mbit/s

95th percentile per-packet one-way delay: 2.323 ms

Loss rate: 0.02%

Run 4: Report of Muses_DecisionTreeR0 — Data Link



Run 5: Statistics of Muses_DecisionTreeR0

Start at: 2019-08-27 13:31:06

End at: 2019-08-27 13:31:36

Local clock offset: -0.103 ms

Remote clock offset: 0.653 ms

Below is generated by plot.py at 2019-08-27 13:53:50

Datalink statistics

-- Total of 3 flows:

Average throughput: 19.59 Mbit/s

95th percentile per-packet one-way delay: 1.575 ms

Loss rate: 0.01%

-- Flow 1:

Average throughput: 13.32 Mbit/s

95th percentile per-packet one-way delay: 1.560 ms

Loss rate: 0.01%

-- Flow 2:

Average throughput: 5.18 Mbit/s

95th percentile per-packet one-way delay: 1.665 ms

Loss rate: 0.02%

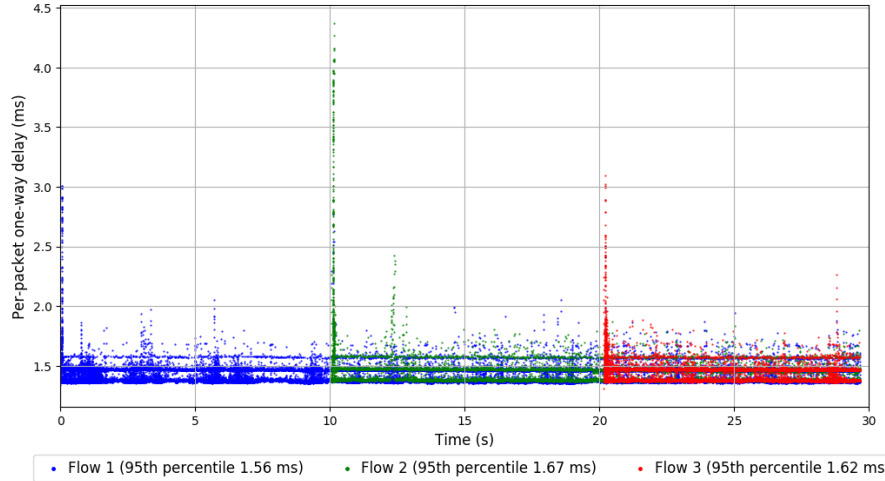
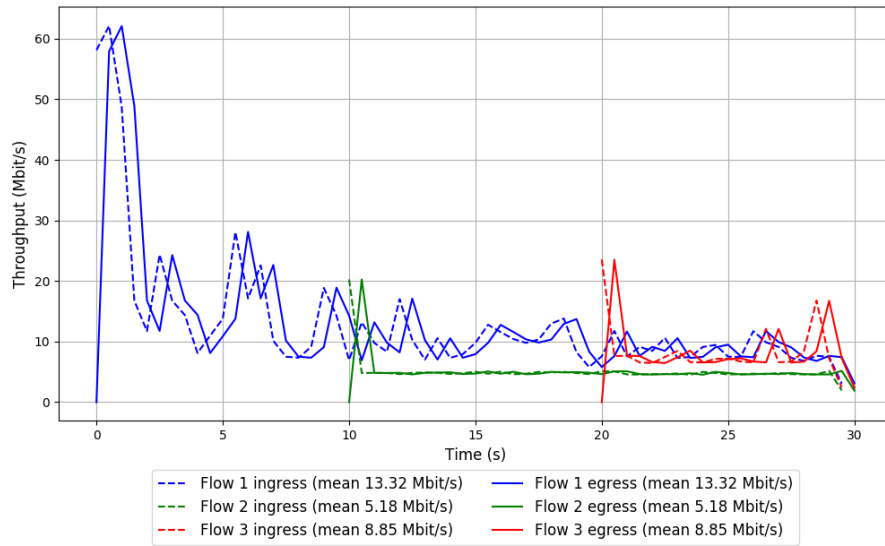
-- Flow 3:

Average throughput: 8.85 Mbit/s

95th percentile per-packet one-way delay: 1.621 ms

Loss rate: 0.03%

Run 5: Report of Muses_DecisionTreeR0 — Data Link

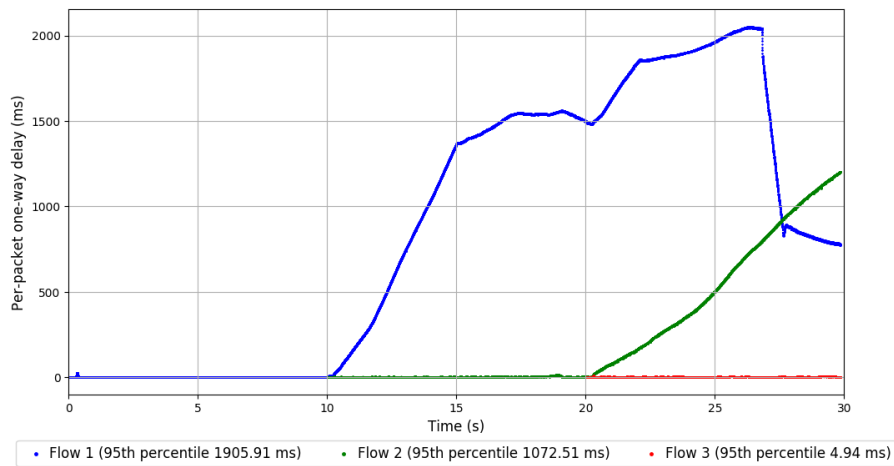
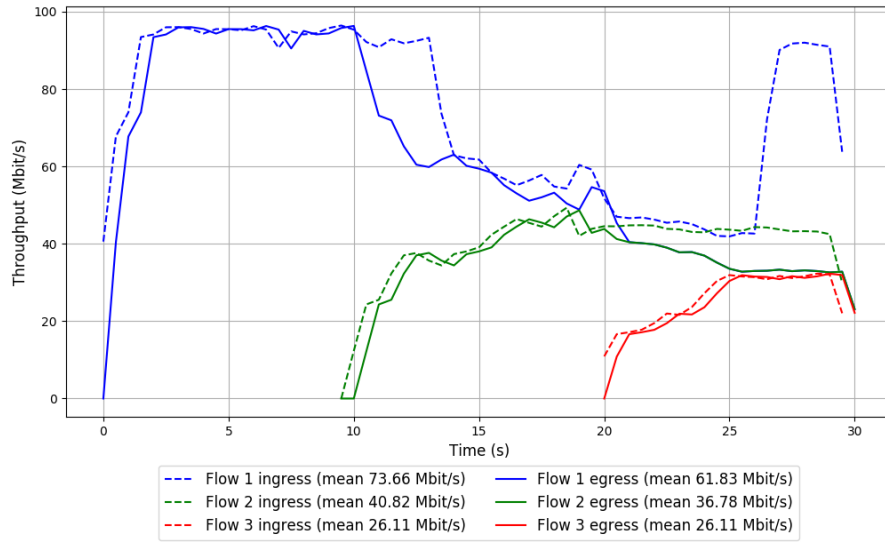


Run 1: Statistics of PCC-Allegro

Start at: 2019-08-27 11:43:17
End at: 2019-08-27 11:43:47
Local clock offset: -0.284 ms
Remote clock offset: -0.388 ms

```
# Below is generated by plot.py at 2019-08-27 13:54:39
# Datalink statistics
-- Total of 3 flows:
Average throughput: 94.89 Mbit/s
95th percentile per-packet one-way delay: 1864.531 ms
Loss rate: 13.29%
-- Flow 1:
Average throughput: 61.83 Mbit/s
95th percentile per-packet one-way delay: 1905.911 ms
Loss rate: 16.07%
-- Flow 2:
Average throughput: 36.78 Mbit/s
95th percentile per-packet one-way delay: 1072.508 ms
Loss rate: 9.92%
-- Flow 3:
Average throughput: 26.11 Mbit/s
95th percentile per-packet one-way delay: 4.943 ms
Loss rate: 0.05%
```

Run 1: Report of PCC-Allegro — Data Link



Run 2: Statistics of PCC-Allegro

Start at: 2019-08-27 12:10:47

End at: 2019-08-27 12:11:17

Local clock offset: -0.14 ms

Remote clock offset: 0.224 ms

Below is generated by plot.py at 2019-08-27 13:54:41

Datalink statistics

-- Total of 3 flows:

Average throughput: 95.22 Mbit/s

95th percentile per-packet one-way delay: 1691.579 ms

Loss rate: 15.21%

-- Flow 1:

Average throughput: 64.92 Mbit/s

95th percentile per-packet one-way delay: 1985.686 ms

Loss rate: 17.41%

-- Flow 2:

Average throughput: 31.79 Mbit/s

95th percentile per-packet one-way delay: 1320.910 ms

Loss rate: 13.81%

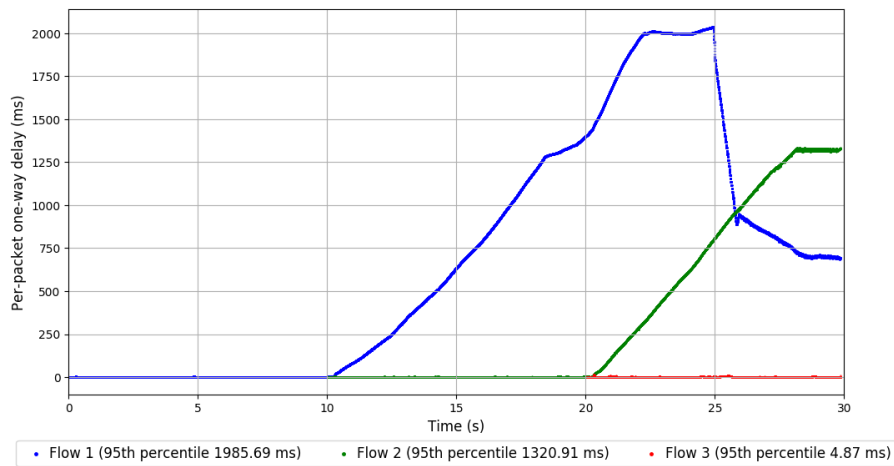
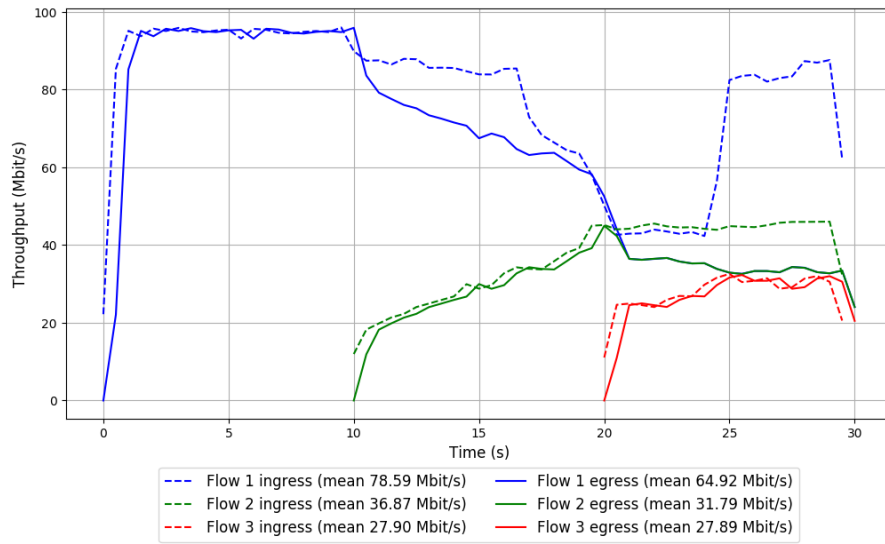
-- Flow 3:

Average throughput: 27.89 Mbit/s

95th percentile per-packet one-way delay: 4.871 ms

Loss rate: 0.04%

Run 2: Report of PCC-Allegro — Data Link



Run 3: Statistics of PCC-Allegro

Start at: 2019-08-27 12:38:18

End at: 2019-08-27 12:38:48

Local clock offset: -0.142 ms

Remote clock offset: 0.513 ms

Below is generated by plot.py at 2019-08-27 13:54:41

Datalink statistics

-- Total of 3 flows:

Average throughput: 94.11 Mbit/s

95th percentile per-packet one-way delay: 1869.072 ms

Loss rate: 5.90%

-- Flow 1:

Average throughput: 62.78 Mbit/s

95th percentile per-packet one-way delay: 1989.421 ms

Loss rate: 8.46%

-- Flow 2:

Average throughput: 32.06 Mbit/s

95th percentile per-packet one-way delay: 10.662 ms

Loss rate: 0.02%

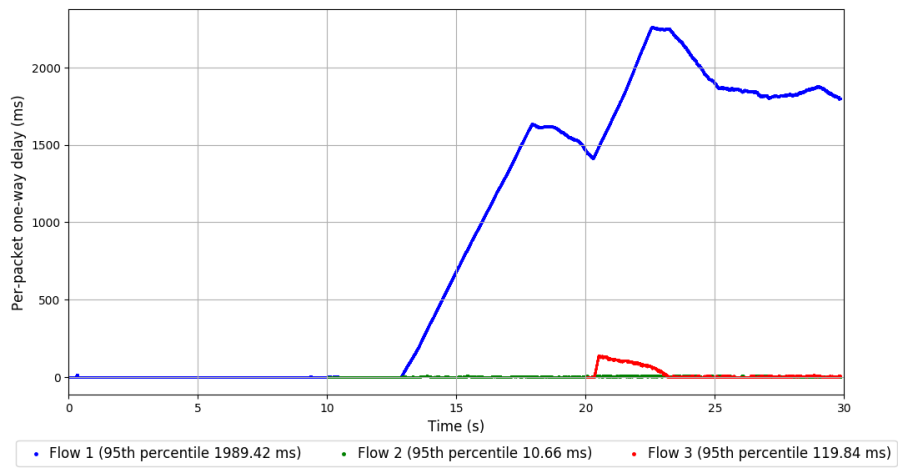
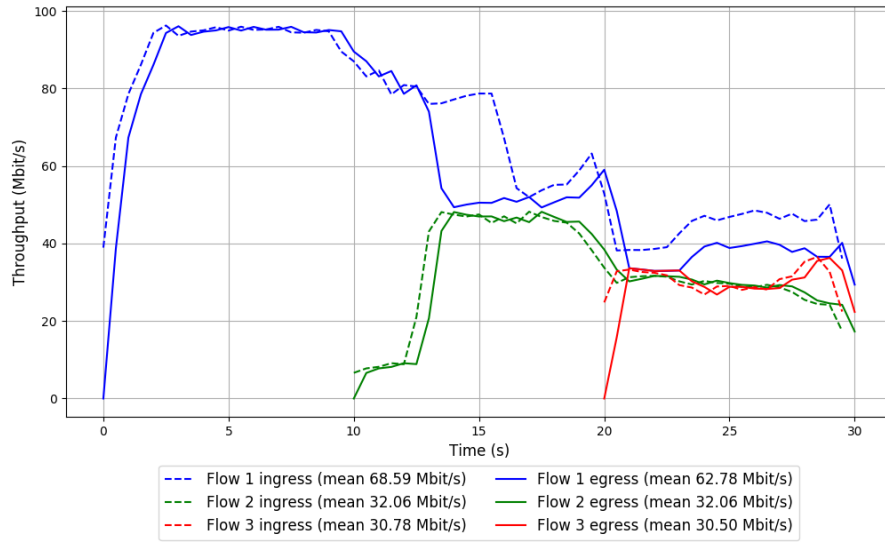
-- Flow 3:

Average throughput: 30.50 Mbit/s

95th percentile per-packet one-way delay: 119.837 ms

Loss rate: 0.89%

Run 3: Report of PCC-Allegro — Data Link



Run 4: Statistics of PCC-Allegro

Start at: 2019-08-27 13:05:48

End at: 2019-08-27 13:06:18

Local clock offset: 0.572 ms

Remote clock offset: 0.694 ms

Below is generated by plot.py at 2019-08-27 13:54:43

Datalink statistics

-- Total of 3 flows:

Average throughput: 94.55 Mbit/s

95th percentile per-packet one-way delay: 1731.139 ms

Loss rate: 16.06%

-- Flow 1:

Average throughput: 59.73 Mbit/s

95th percentile per-packet one-way delay: 1889.012 ms

Loss rate: 20.12%

-- Flow 2:

Average throughput: 39.04 Mbit/s

95th percentile per-packet one-way delay: 1329.462 ms

Loss rate: 10.45%

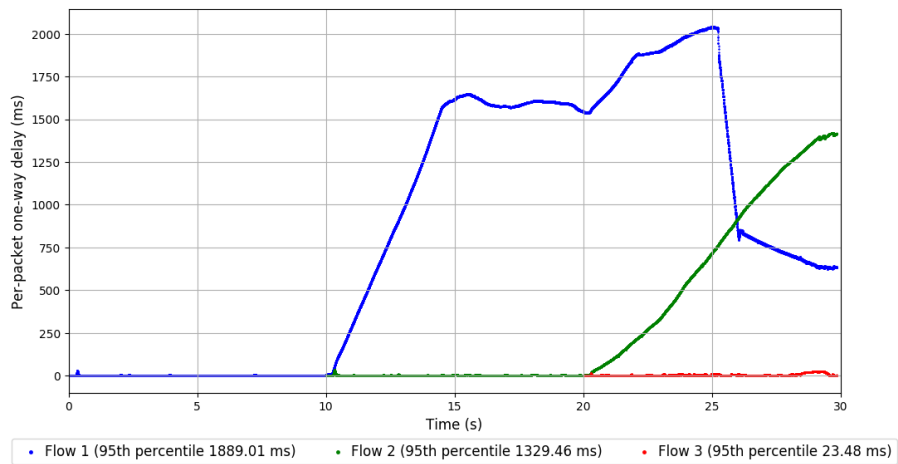
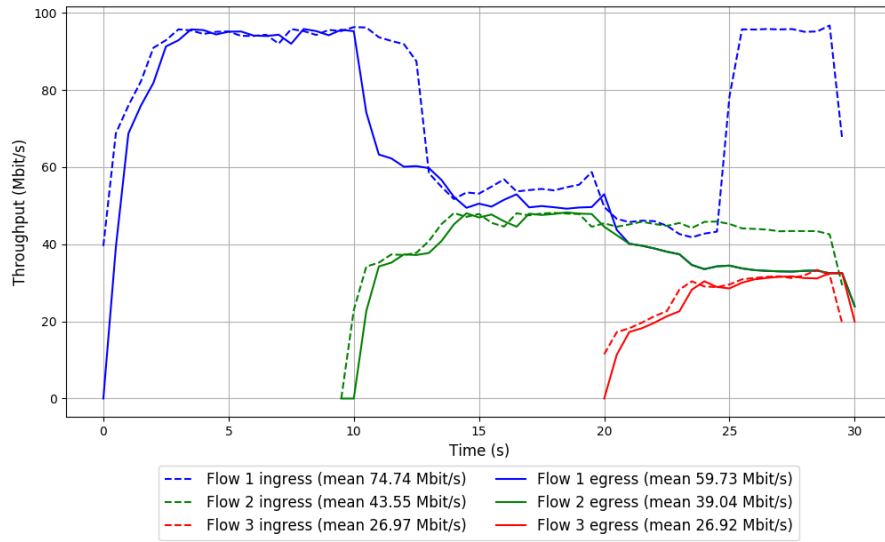
-- Flow 3:

Average throughput: 26.92 Mbit/s

95th percentile per-packet one-way delay: 23.478 ms

Loss rate: 0.19%

Run 4: Report of PCC-Allegro — Data Link



Run 5: Statistics of PCC-Allegro

Start at: 2019-08-27 13:33:20

End at: 2019-08-27 13:33:50

Local clock offset: 0.678 ms

Remote clock offset: 0.679 ms

Below is generated by plot.py at 2019-08-27 13:54:48

Datalink statistics

-- Total of 3 flows:

Average throughput: 95.07 Mbit/s

95th percentile per-packet one-way delay: 1998.809 ms

Loss rate: 12.36%

-- Flow 1:

Average throughput: 60.80 Mbit/s

95th percentile per-packet one-way delay: 2063.838 ms

Loss rate: 15.50%

-- Flow 2:

Average throughput: 37.63 Mbit/s

95th percentile per-packet one-way delay: 913.955 ms

Loss rate: 8.14%

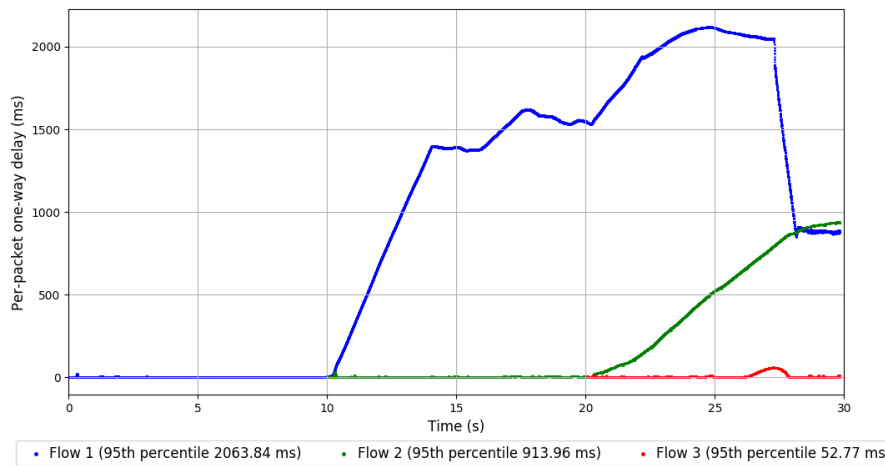
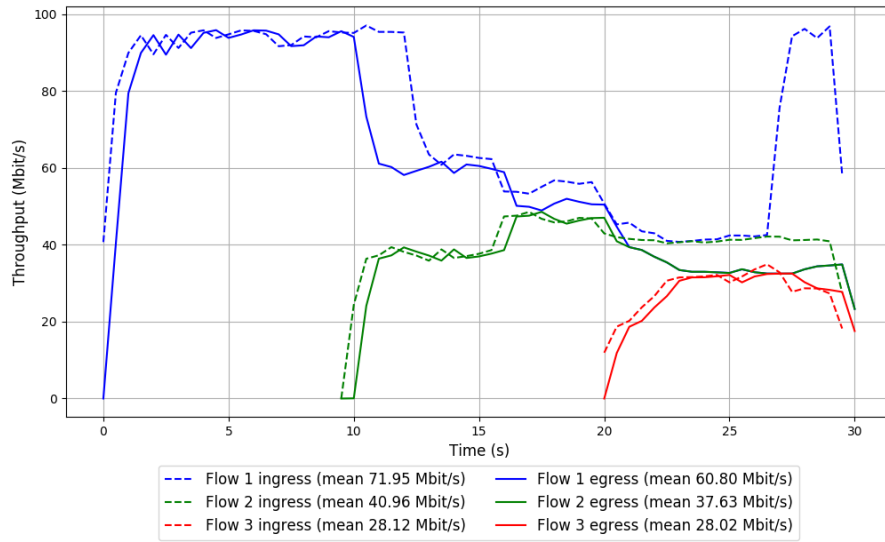
-- Flow 3:

Average throughput: 28.02 Mbit/s

95th percentile per-packet one-way delay: 52.772 ms

Loss rate: 0.41%

Run 5: Report of PCC-Allegro — Data Link

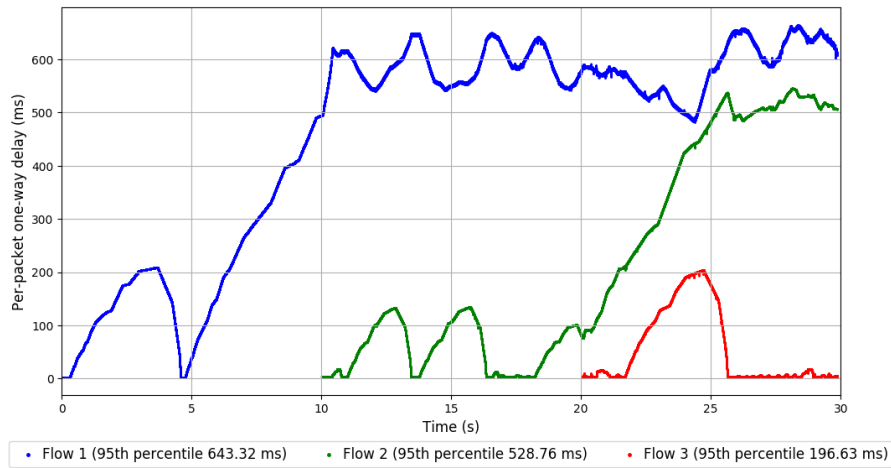
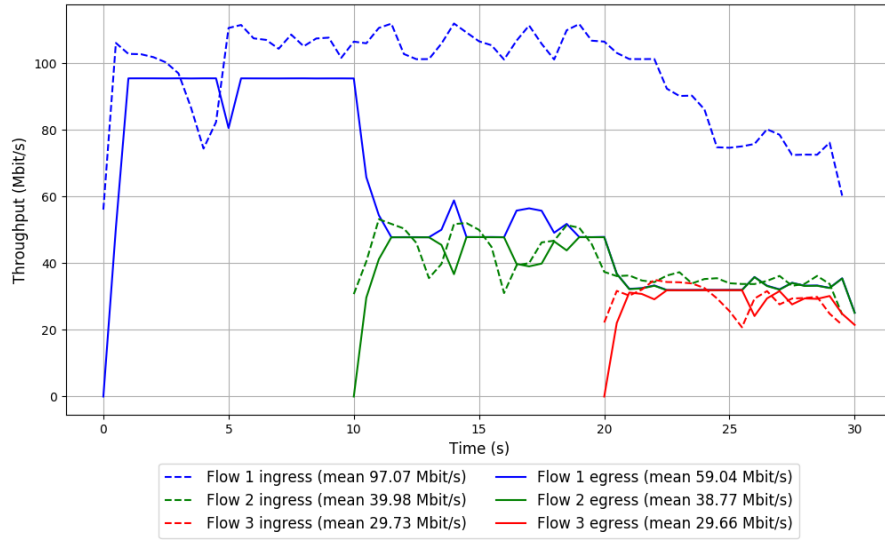


Run 1: Statistics of PCC-Expr

Start at: 2019-08-27 11:36:26
End at: 2019-08-27 11:36:56
Local clock offset: 0.478 ms
Remote clock offset: -0.486 ms

```
# Below is generated by plot.py at 2019-08-27 13:55:54
# Datalink statistics
-- Total of 3 flows:
Average throughput: 94.61 Mbit/s
95th percentile per-packet one-way delay: 634.970 ms
Loss rate: 29.12%
-- Flow 1:
Average throughput: 59.04 Mbit/s
95th percentile per-packet one-way delay: 643.316 ms
Loss rate: 39.18%
-- Flow 2:
Average throughput: 38.77 Mbit/s
95th percentile per-packet one-way delay: 528.758 ms
Loss rate: 3.06%
-- Flow 3:
Average throughput: 29.66 Mbit/s
95th percentile per-packet one-way delay: 196.630 ms
Loss rate: 0.27%
```

Run 1: Report of PCC-Expr — Data Link

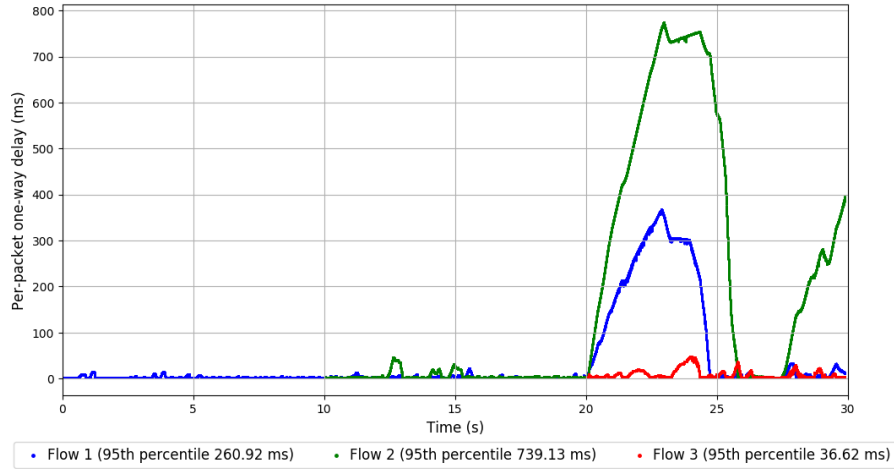
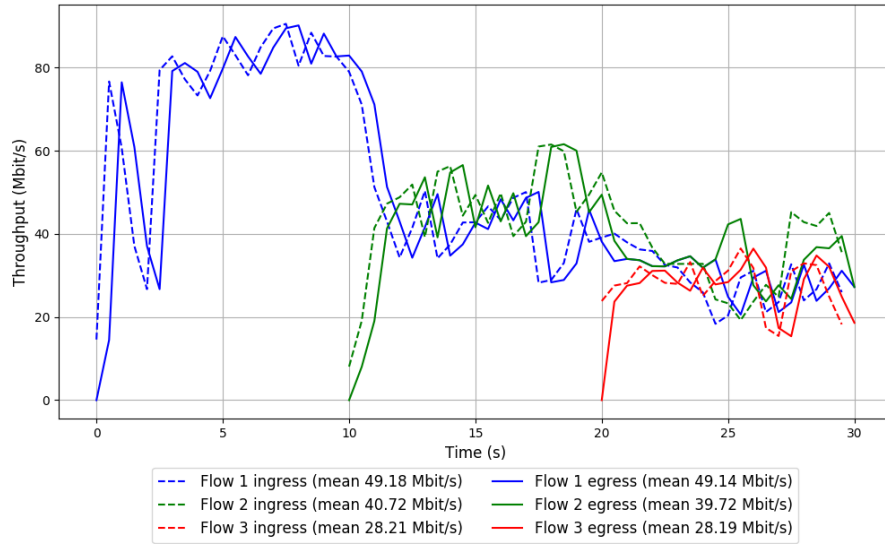


Run 2: Statistics of PCC-Expr

Start at: 2019-08-27 12:03:57
End at: 2019-08-27 12:04:27
Local clock offset: 0.588 ms
Remote clock offset: -0.023 ms

Below is generated by plot.py at 2019-08-27 13:55:54
Datalink statistics
-- Total of 3 flows:
Average throughput: 84.87 Mbit/s
95th percentile per-packet one-way delay: 445.063 ms
Loss rate: 0.85%
-- Flow 1:
Average throughput: 49.14 Mbit/s
95th percentile per-packet one-way delay: 260.922 ms
Loss rate: 0.10%
-- Flow 2:
Average throughput: 39.72 Mbit/s
95th percentile per-packet one-way delay: 739.134 ms
Loss rate: 2.47%
-- Flow 3:
Average throughput: 28.19 Mbit/s
95th percentile per-packet one-way delay: 36.619 ms
Loss rate: 0.10%

Run 2: Report of PCC-Expr — Data Link



Run 3: Statistics of PCC-Expr

Start at: 2019-08-27 12:31:28

End at: 2019-08-27 12:31:58

Local clock offset: -0.138 ms

Remote clock offset: 0.519 ms

Below is generated by plot.py at 2019-08-27 13:55:54

Datalink statistics

-- Total of 3 flows:

Average throughput: 89.13 Mbit/s

95th percentile per-packet one-way delay: 761.238 ms

Loss rate: 25.61%

-- Flow 1:

Average throughput: 56.45 Mbit/s

95th percentile per-packet one-way delay: 702.946 ms

Loss rate: 32.96%

-- Flow 2:

Average throughput: 35.39 Mbit/s

95th percentile per-packet one-way delay: 787.040 ms

Loss rate: 11.03%

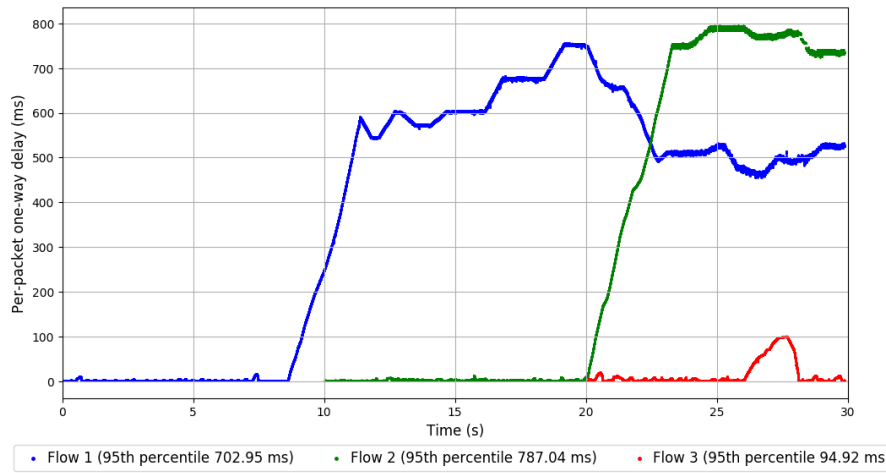
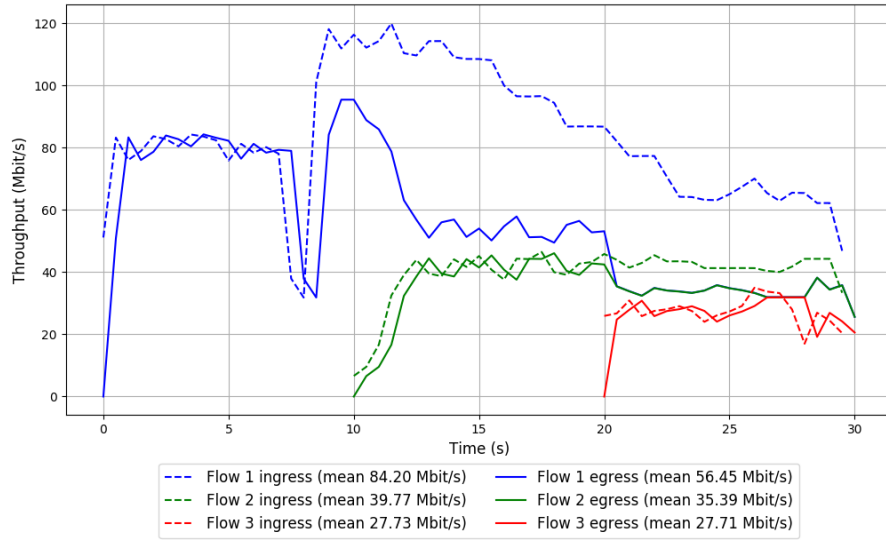
-- Flow 3:

Average throughput: 27.71 Mbit/s

95th percentile per-packet one-way delay: 94.921 ms

Loss rate: 0.10%

Run 3: Report of PCC-Expr — Data Link



Run 4: Statistics of PCC-Expr

Start at: 2019-08-27 12:58:59

End at: 2019-08-27 12:59:29

Local clock offset: -0.197 ms

Remote clock offset: 0.672 ms

Below is generated by plot.py at 2019-08-27 13:56:50

Datalink statistics

-- Total of 3 flows:

Average throughput: 91.72 Mbit/s

95th percentile per-packet one-way delay: 1039.187 ms

Loss rate: 14.01%

-- Flow 1:

Average throughput: 59.68 Mbit/s

95th percentile per-packet one-way delay: 1045.456 ms

Loss rate: 19.98%

-- Flow 2:

Average throughput: 34.22 Mbit/s

95th percentile per-packet one-way delay: 69.499 ms

Loss rate: 0.11%

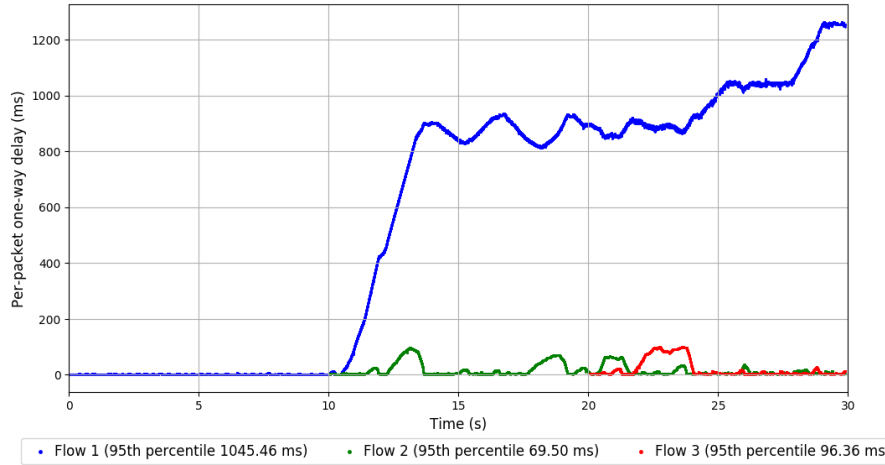
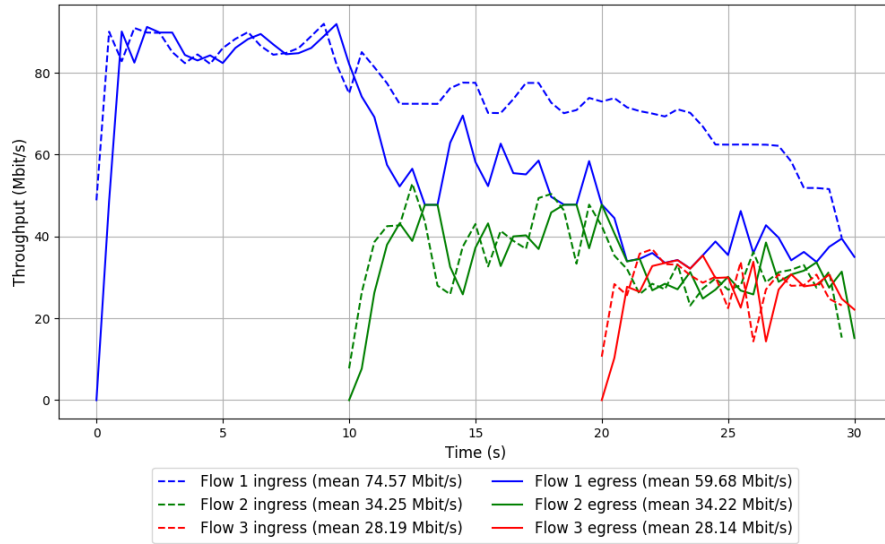
-- Flow 3:

Average throughput: 28.14 Mbit/s

95th percentile per-packet one-way delay: 96.357 ms

Loss rate: 0.28%

Run 4: Report of PCC-Expr — Data Link



Run 5: Statistics of PCC-Expr

Start at: 2019-08-27 13:26:29

End at: 2019-08-27 13:26:59

Local clock offset: -0.19 ms

Remote clock offset: 0.676 ms

Below is generated by plot.py at 2019-08-27 13:56:50

Datalink statistics

-- Total of 3 flows:

Average throughput: 89.31 Mbit/s

95th percentile per-packet one-way delay: 1014.989 ms

Loss rate: 9.55%

-- Flow 1:

Average throughput: 51.60 Mbit/s

95th percentile per-packet one-way delay: 48.098 ms

Loss rate: 0.44%

-- Flow 2:

Average throughput: 42.21 Mbit/s

95th percentile per-packet one-way delay: 1057.708 ms

Loss rate: 24.61%

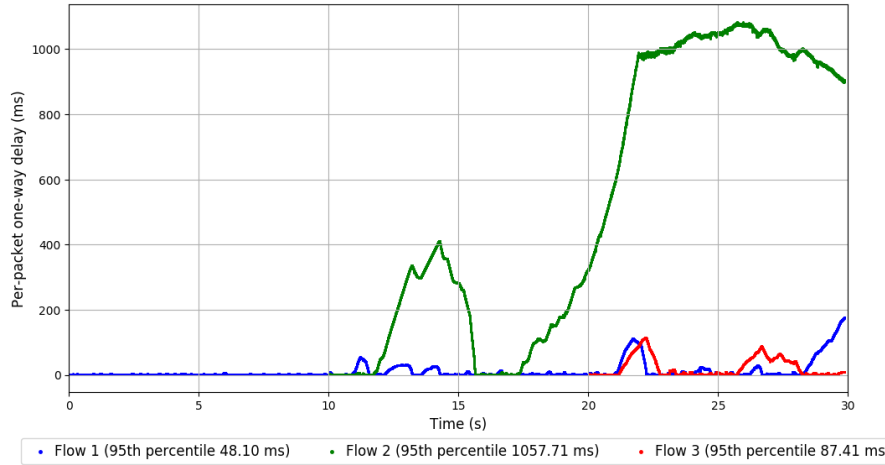
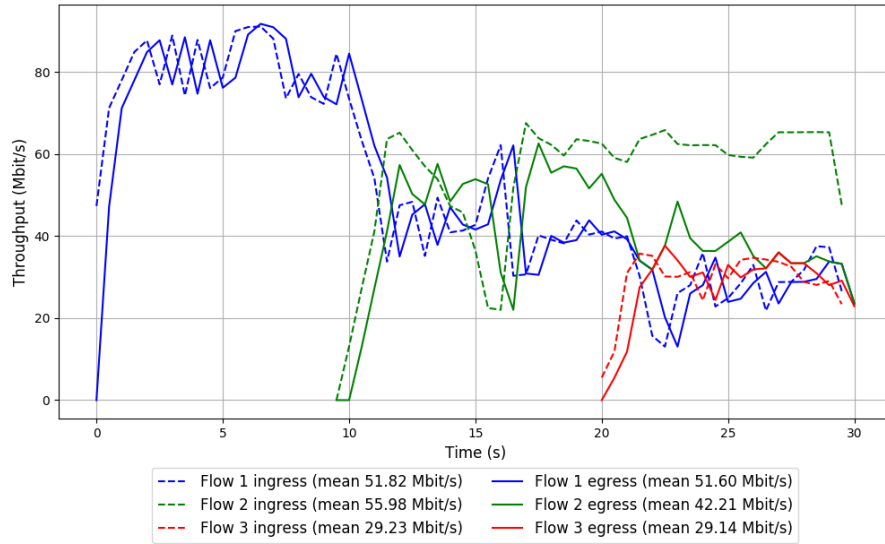
-- Flow 3:

Average throughput: 29.14 Mbit/s

95th percentile per-packet one-way delay: 87.405 ms

Loss rate: 0.37%

Run 5: Report of PCC-Expr — Data Link



Run 1: Statistics of QUIC Cubic

Start at: 2019-08-27 11:34:04
End at: 2019-08-27 11:34:34
Local clock offset: -0.303 ms
Remote clock offset: -0.535 ms

Below is generated by plot.py at 2019-08-27 13:56:50

Datalink statistics

-- Total of 3 flows:

Average throughput: 90.96 Mbit/s
95th percentile per-packet one-way delay: 12.830 ms
Loss rate: 0.24%

-- Flow 1:

Average throughput: 53.95 Mbit/s
95th percentile per-packet one-way delay: 12.735 ms
Loss rate: 0.17%

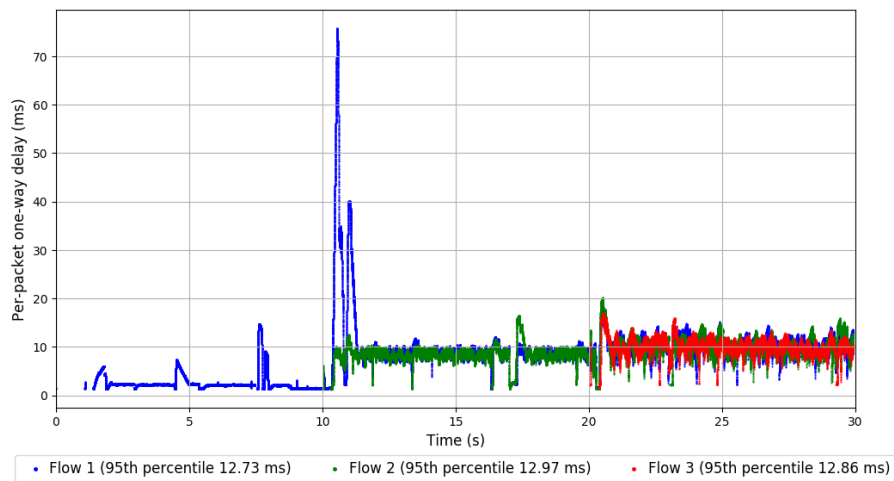
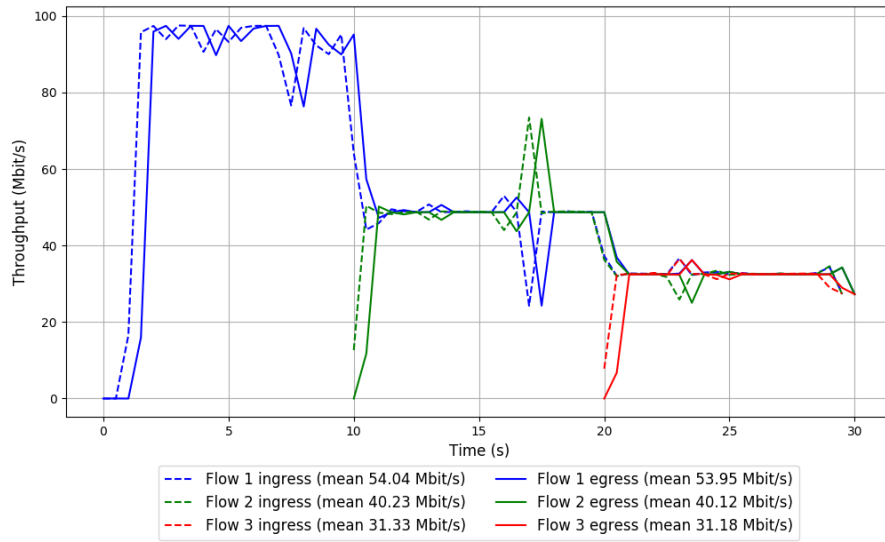
-- Flow 2:

Average throughput: 40.12 Mbit/s
95th percentile per-packet one-way delay: 12.973 ms
Loss rate: 0.29%

-- Flow 3:

Average throughput: 31.18 Mbit/s
95th percentile per-packet one-way delay: 12.863 ms
Loss rate: 0.51%

Run 1: Report of QUIC Cubic — Data Link



Run 2: Statistics of QUIC Cubic

Start at: 2019-08-27 12:01:36

End at: 2019-08-27 12:02:06

Local clock offset: -0.2 ms

Remote clock offset: 0.054 ms

Below is generated by plot.py at 2019-08-27 13:56:50

Datalink statistics

-- Total of 3 flows:

Average throughput: 91.04 Mbit/s

95th percentile per-packet one-way delay: 12.442 ms

Loss rate: 0.24%

-- Flow 1:

Average throughput: 54.07 Mbit/s

95th percentile per-packet one-way delay: 12.134 ms

Loss rate: 0.17%

-- Flow 2:

Average throughput: 40.19 Mbit/s

95th percentile per-packet one-way delay: 12.222 ms

Loss rate: 0.30%

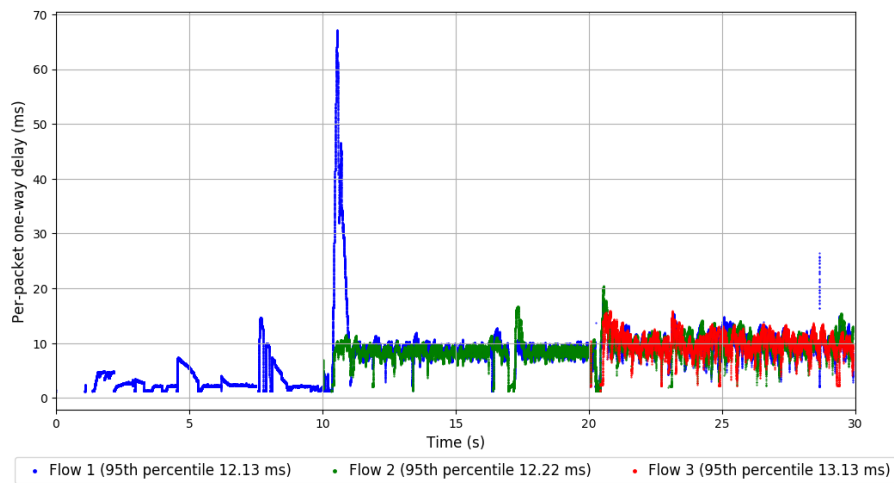
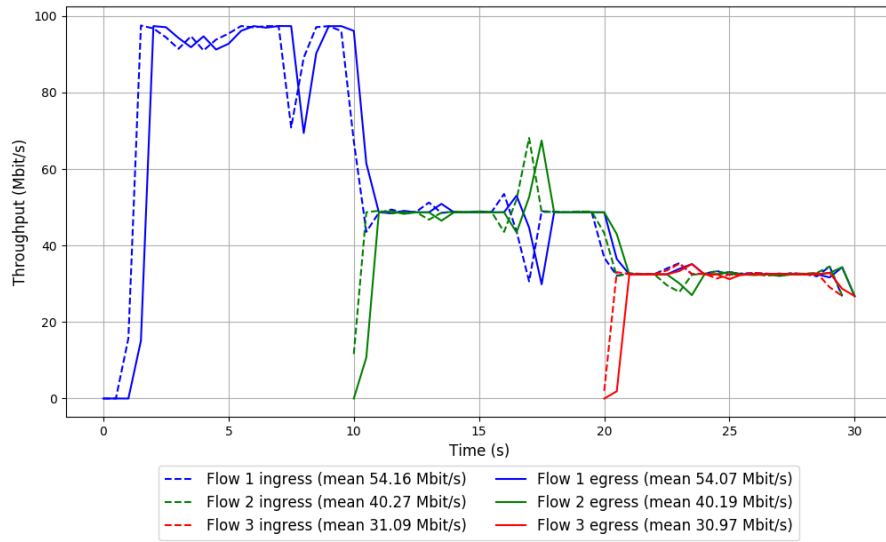
-- Flow 3:

Average throughput: 30.97 Mbit/s

95th percentile per-packet one-way delay: 13.130 ms

Loss rate: 0.43%

Run 2: Report of QUIC Cubic — Data Link



Run 3: Statistics of QUIC Cubic

Start at: 2019-08-27 12:29:07

End at: 2019-08-27 12:29:37

Local clock offset: -0.114 ms

Remote clock offset: 0.442 ms

Below is generated by plot.py at 2019-08-27 13:56:50

Datalink statistics

-- Total of 3 flows:

Average throughput: 90.61 Mbit/s

95th percentile per-packet one-way delay: 12.231 ms

Loss rate: 0.23%

-- Flow 1:

Average throughput: 53.66 Mbit/s

95th percentile per-packet one-way delay: 12.000 ms

Loss rate: 0.15%

-- Flow 2:

Average throughput: 40.10 Mbit/s

95th percentile per-packet one-way delay: 11.952 ms

Loss rate: 0.29%

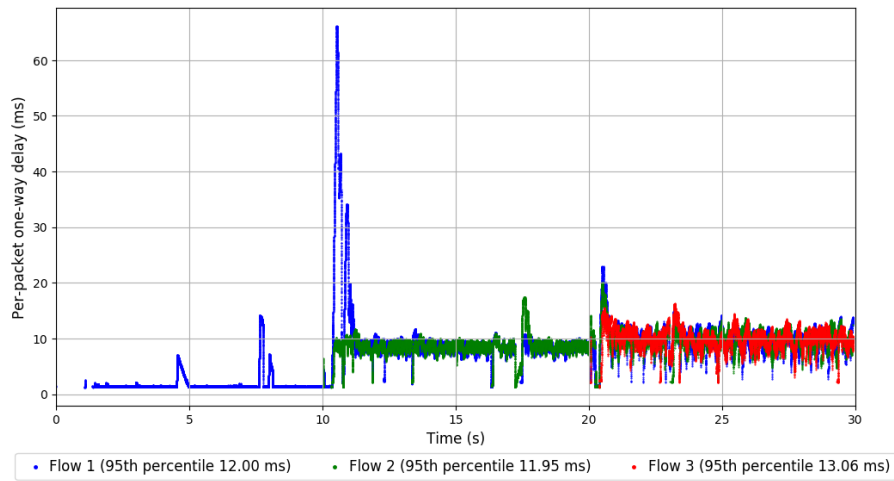
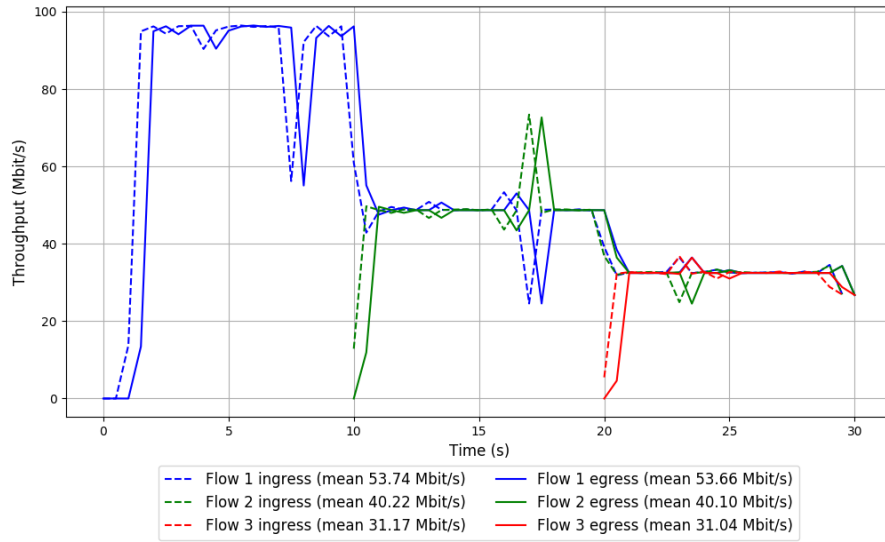
-- Flow 3:

Average throughput: 31.04 Mbit/s

95th percentile per-packet one-way delay: 13.063 ms

Loss rate: 0.43%

Run 3: Report of QUIC Cubic — Data Link



Run 4: Statistics of QUIC Cubic

Start at: 2019-08-27 12:56:37

End at: 2019-08-27 12:57:07

Local clock offset: -0.167 ms

Remote clock offset: 0.632 ms

Below is generated by plot.py at 2019-08-27 13:56:50

Datalink statistics

-- Total of 3 flows:

Average throughput: 90.93 Mbit/s

95th percentile per-packet one-way delay: 12.626 ms

Loss rate: 0.24%

-- Flow 1:

Average throughput: 54.05 Mbit/s

95th percentile per-packet one-way delay: 12.933 ms

Loss rate: 0.17%

-- Flow 2:

Average throughput: 39.96 Mbit/s

95th percentile per-packet one-way delay: 12.246 ms

Loss rate: 0.28%

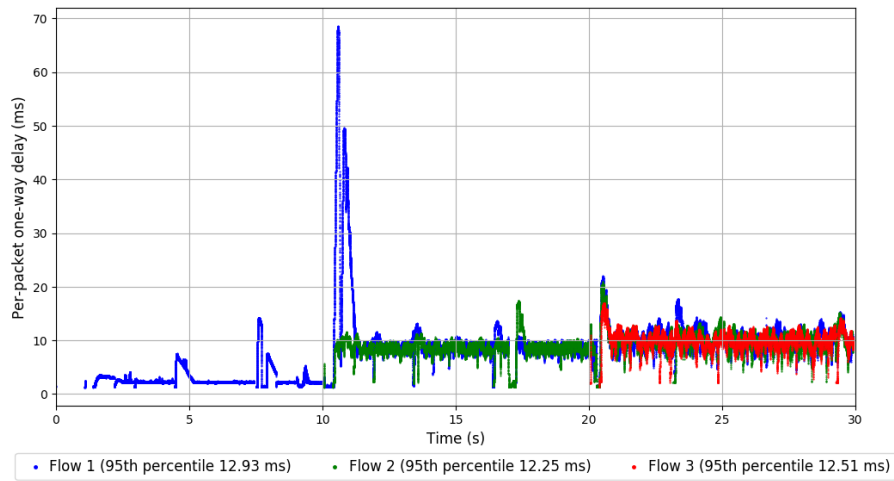
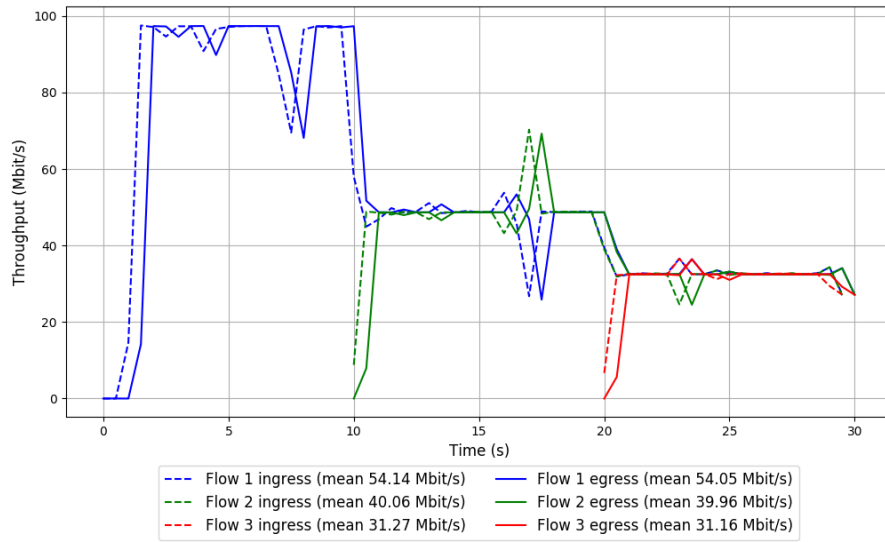
-- Flow 3:

Average throughput: 31.16 Mbit/s

95th percentile per-packet one-way delay: 12.510 ms

Loss rate: 0.51%

Run 4: Report of QUIC Cubic — Data Link



Run 5: Statistics of QUIC Cubic

Start at: 2019-08-27 13:24:07

End at: 2019-08-27 13:24:37

Local clock offset: -0.174 ms

Remote clock offset: 0.797 ms

Below is generated by plot.py at 2019-08-27 13:57:03

Datalink statistics

-- Total of 3 flows:

Average throughput: 90.65 Mbit/s

95th percentile per-packet one-way delay: 12.311 ms

Loss rate: 0.23%

-- Flow 1:

Average throughput: 53.79 Mbit/s

95th percentile per-packet one-way delay: 12.517 ms

Loss rate: 0.17%

-- Flow 2:

Average throughput: 39.98 Mbit/s

95th percentile per-packet one-way delay: 11.857 ms

Loss rate: 0.29%

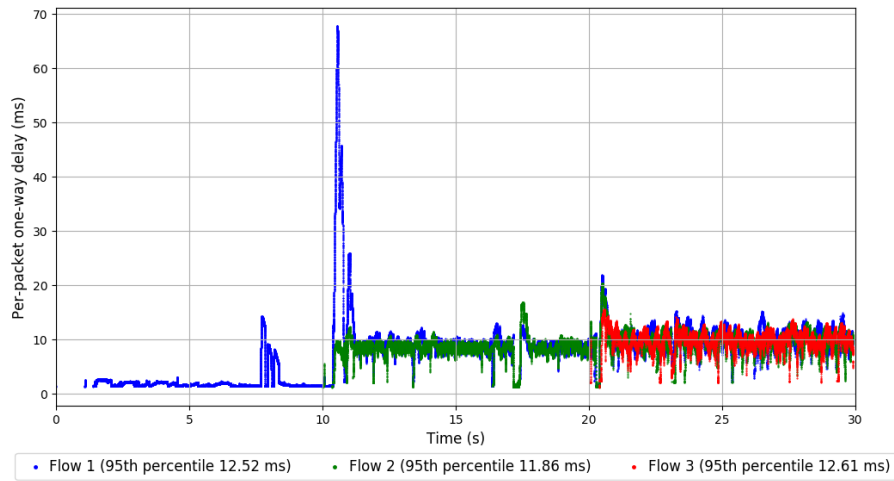
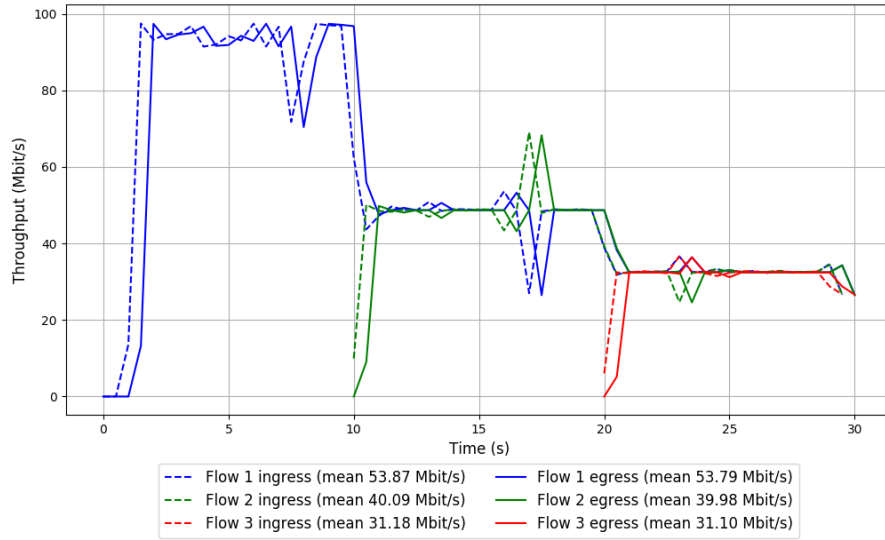
-- Flow 3:

Average throughput: 31.10 Mbit/s

95th percentile per-packet one-way delay: 12.611 ms

Loss rate: 0.43%

Run 5: Report of QUIC Cubic — Data Link



Run 1: Statistics of SCReAM

Start at: 2019-08-27 11:47:54
End at: 2019-08-27 11:48:24
Local clock offset: 0.53 ms
Remote clock offset: -0.287 ms

Below is generated by plot.py at 2019-08-27 13:57:03

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.44 Mbit/s
95th percentile per-packet one-way delay: 2.292 ms
Loss rate: 0.06%

-- Flow 1:

Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 2.294 ms
Loss rate: 0.00%

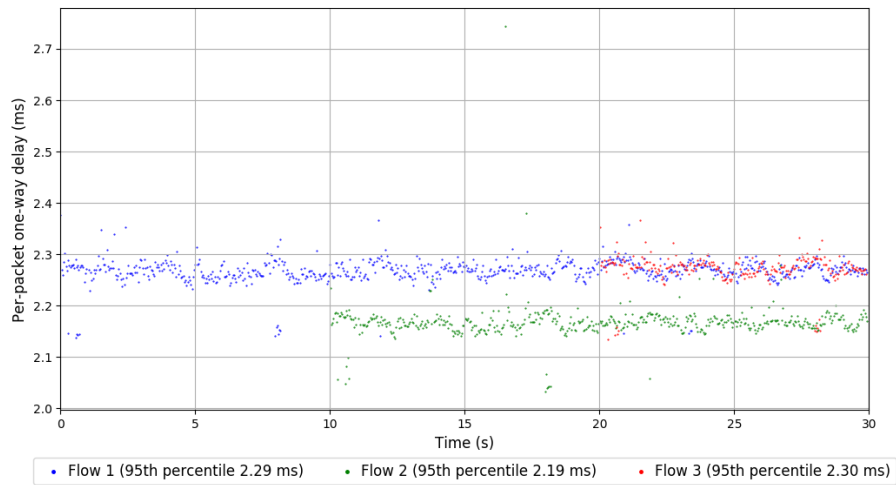
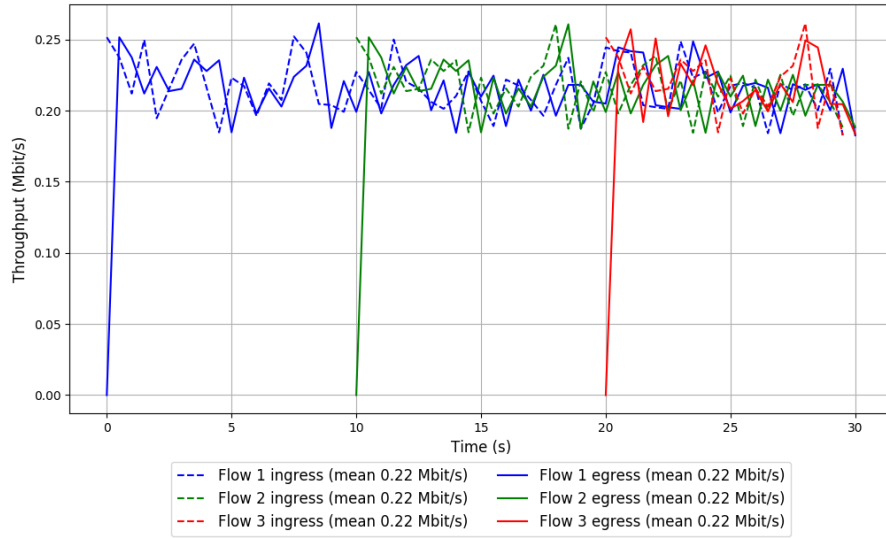
-- Flow 2:

Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 2.192 ms
Loss rate: 0.00%

-- Flow 3:

Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 2.298 ms
Loss rate: 0.35%

Run 1: Report of SCReAM — Data Link



Run 2: Statistics of SCReAM

Start at: 2019-08-27 12:15:24

End at: 2019-08-27 12:15:54

Local clock offset: 0.564 ms

Remote clock offset: 0.292 ms

Below is generated by plot.py at 2019-08-27 13:57:03

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.44 Mbit/s

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

Loss rate: 0.00%

-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 2.061 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 2.135 ms

Loss rate: 0.00%

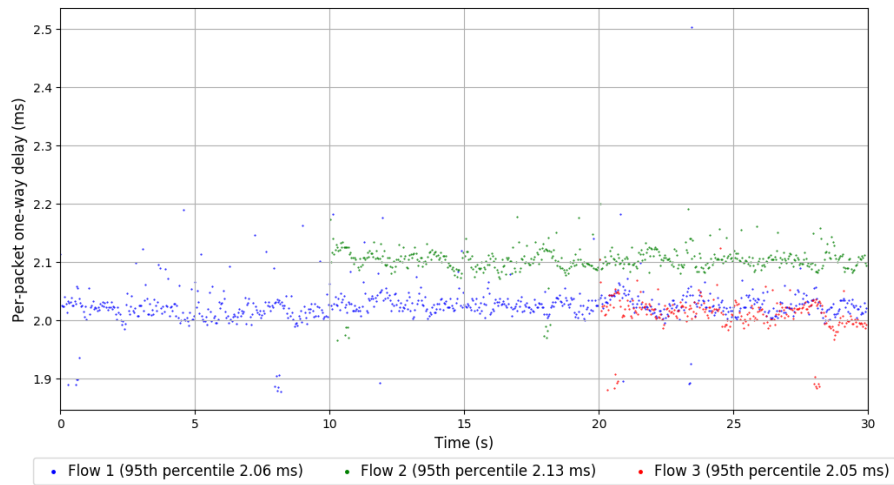
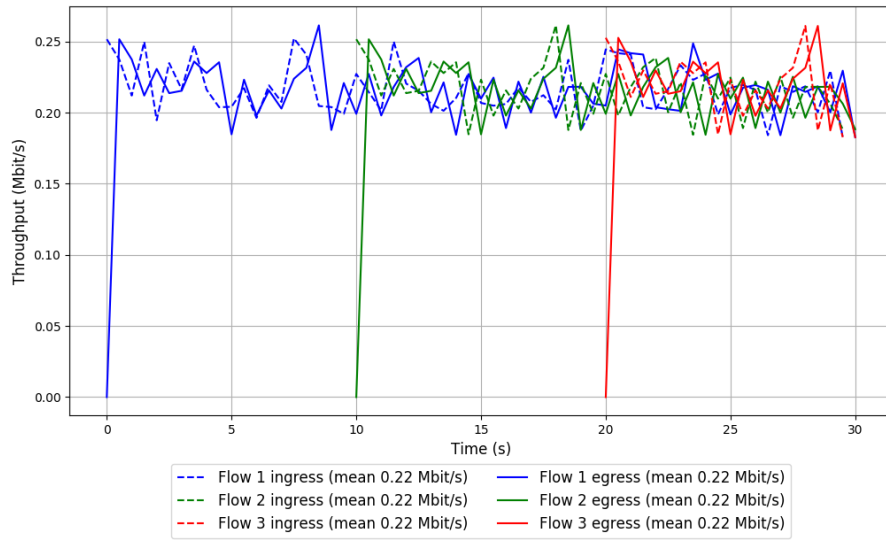
-- Flow 3:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 2.049 ms

Loss rate: 0.00%

Run 2: Report of SCReAM — Data Link



Run 3: Statistics of SCReAM

Start at: 2019-08-27 12:42:54

End at: 2019-08-27 12:43:24

Local clock offset: 0.552 ms

Remote clock offset: 0.618 ms

Below is generated by plot.py at 2019-08-27 13:57:03

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.44 Mbit/s

95th percentile per-packet one-way delay: 2.077 ms

Loss rate: 0.06%

-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 2.077 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 2.074 ms

Loss rate: 0.00%

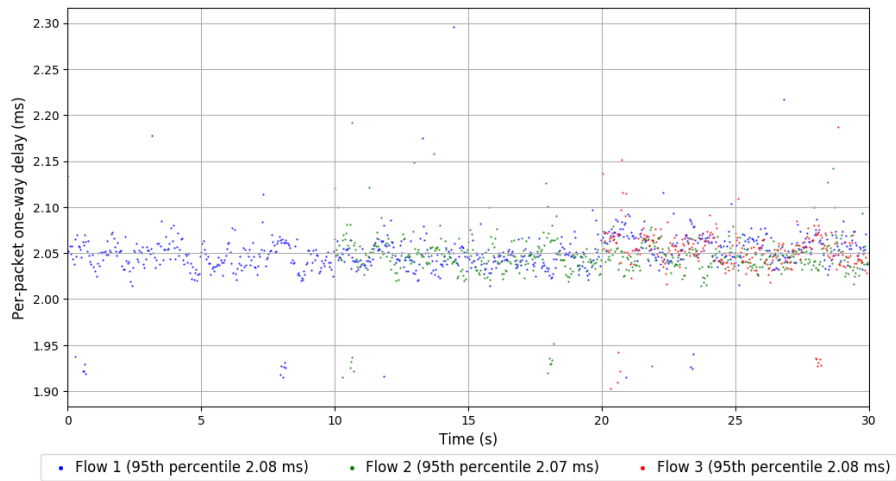
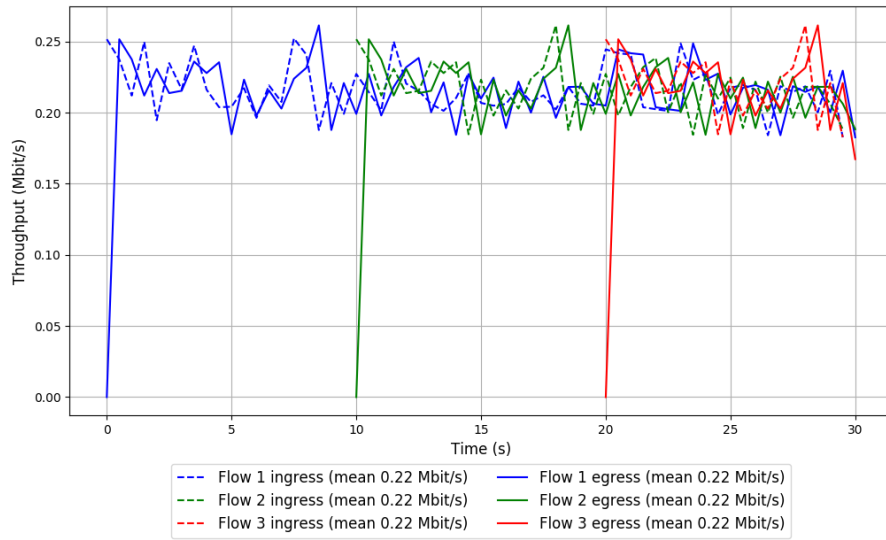
-- Flow 3:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 2.080 ms

Loss rate: 0.35%

Run 3: Report of SCReAM — Data Link



Run 4: Statistics of SCReAM

Start at: 2019-08-27 13:10:25

End at: 2019-08-27 13:10:55

Local clock offset: -0.194 ms

Remote clock offset: 0.694 ms

Below is generated by plot.py at 2019-08-27 13:57:03

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.44 Mbit/s

95th percentile per-packet one-way delay: 1.448 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 1.455 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 1.458 ms

Loss rate: 0.00%

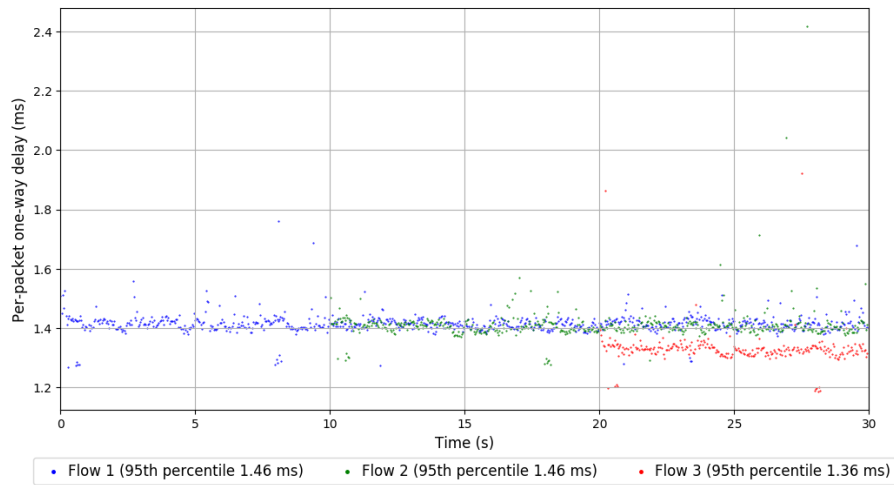
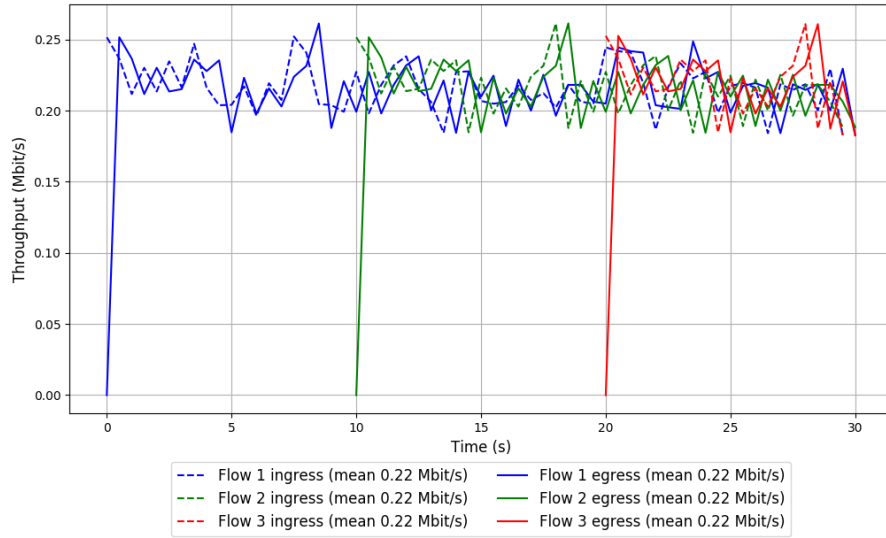
-- Flow 3:

Average throughput: 0.22 Mbit/s

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

Loss rate: 0.00%

Run 4: Report of SCReAM — Data Link



Run 5: Statistics of SCReAM

Start at: 2019-08-27 13:37:57

End at: 2019-08-27 13:38:27

Local clock offset: -0.066 ms

Remote clock offset: 0.65 ms

Below is generated by plot.py at 2019-08-27 13:57:03

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.44 Mbit/s

95th percentile per-packet one-way delay: 1.387 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 1.394 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 1.371 ms

Loss rate: 0.00%

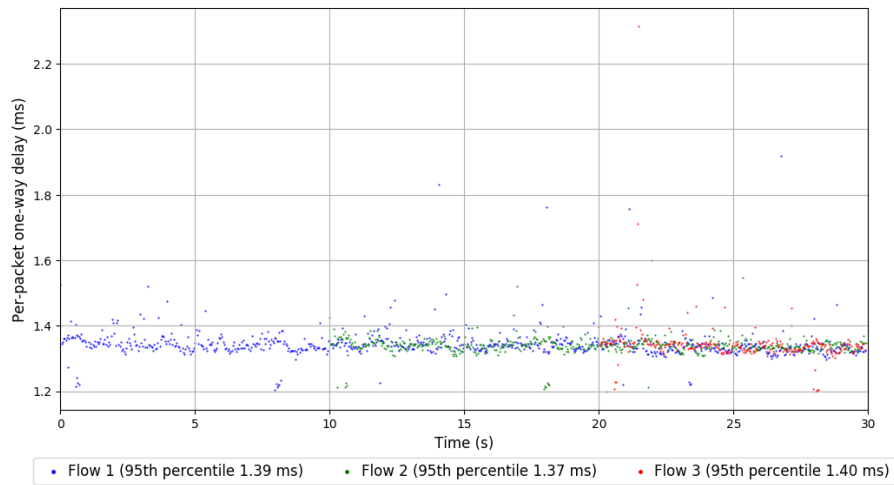
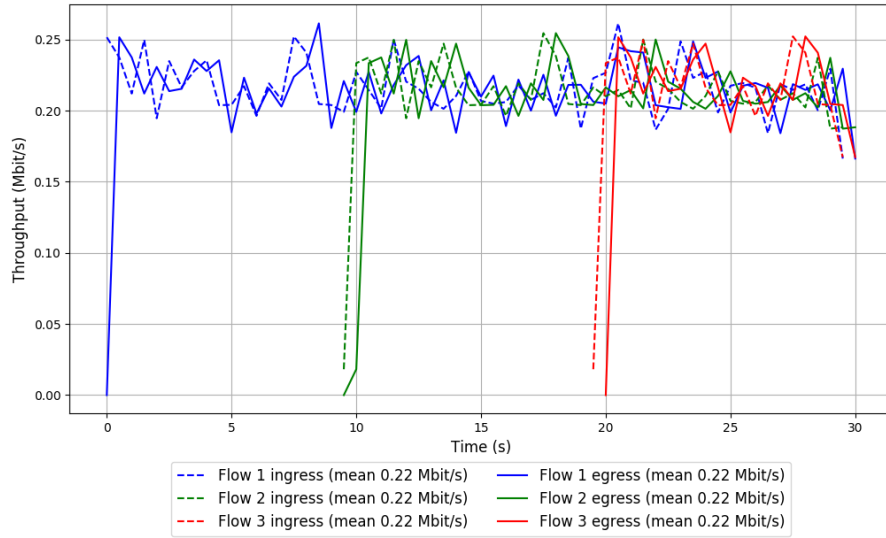
-- Flow 3:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 1.395 ms

Loss rate: 0.00%

Run 5: Report of SCReAM — Data Link



Run 1: Statistics of Sprout

Start at: 2019-08-27 11:37:40
End at: 2019-08-27 11:38:10
Local clock offset: -0.288 ms
Remote clock offset: -0.427 ms

Below is generated by plot.py at 2019-08-27 13:57:03

Datalink statistics

-- Total of 3 flows:

Average throughput: 78.95 Mbit/s
95th percentile per-packet one-way delay: 23.186 ms
Loss rate: 0.13%

-- Flow 1:

Average throughput: 41.97 Mbit/s
95th percentile per-packet one-way delay: 21.164 ms
Loss rate: 0.06%

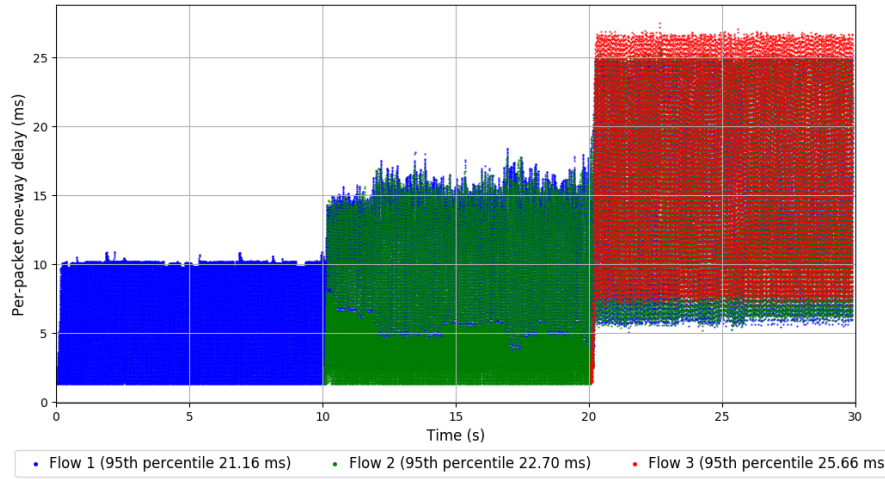
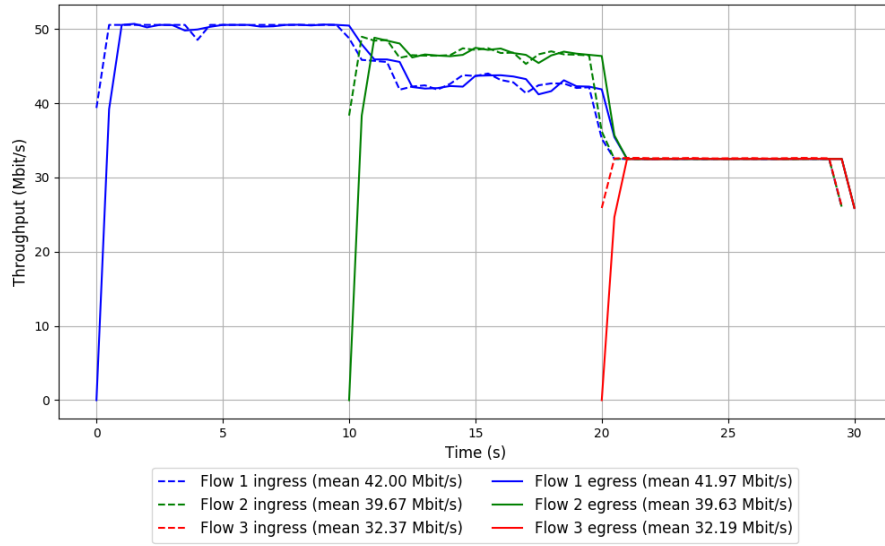
-- Flow 2:

Average throughput: 39.63 Mbit/s
95th percentile per-packet one-way delay: 22.697 ms
Loss rate: 0.09%

-- Flow 3:

Average throughput: 32.19 Mbit/s
95th percentile per-packet one-way delay: 25.661 ms
Loss rate: 0.52%

Run 1: Report of Sprout — Data Link



Run 2: Statistics of Sprout

Start at: 2019-08-27 12:05:09

End at: 2019-08-27 12:05:39

Local clock offset: -0.17 ms

Remote clock offset: 0.058 ms

Below is generated by plot.py at 2019-08-27 13:57:03

Datalink statistics

-- Total of 3 flows:

Average throughput: 81.36 Mbit/s

95th percentile per-packet one-way delay: 23.940 ms

Loss rate: 0.15%

-- Flow 1:

Average throughput: 43.84 Mbit/s

95th percentile per-packet one-way delay: 22.550 ms

Loss rate: 0.10%

-- Flow 2:

Average throughput: 40.43 Mbit/s

95th percentile per-packet one-way delay: 23.893 ms

Loss rate: 0.16%

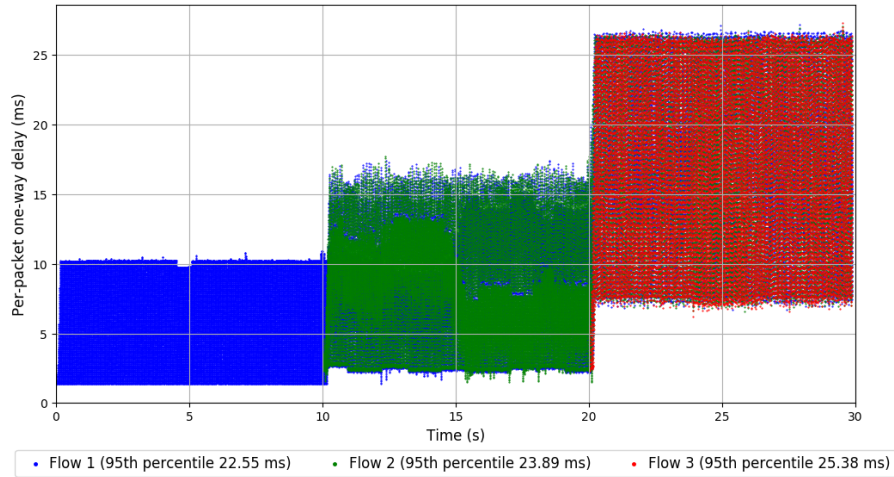
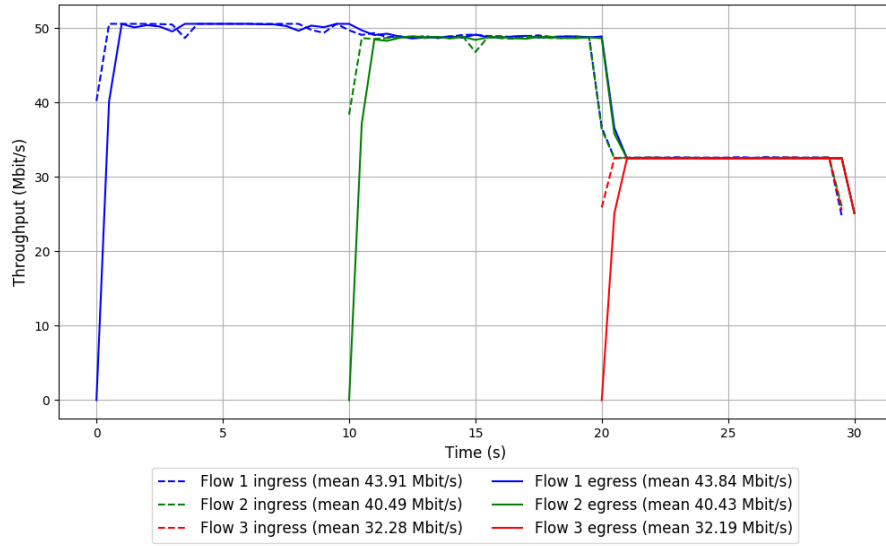
-- Flow 3:

Average throughput: 32.19 Mbit/s

95th percentile per-packet one-way delay: 25.376 ms

Loss rate: 0.32%

Run 2: Report of Sprout — Data Link



Run 3: Statistics of Sprout

Start at: 2019-08-27 12:32:42

End at: 2019-08-27 12:33:12

Local clock offset: -0.155 ms

Remote clock offset: 0.446 ms

Below is generated by plot.py at 2019-08-27 13:57:03

Datalink statistics

-- Total of 3 flows:

Average throughput: 79.59 Mbit/s

95th percentile per-packet one-way delay: 23.738 ms

Loss rate: 0.13%

-- Flow 1:

Average throughput: 43.69 Mbit/s

95th percentile per-packet one-way delay: 22.622 ms

Loss rate: 0.11%

-- Flow 2:

Average throughput: 37.95 Mbit/s

95th percentile per-packet one-way delay: 22.916 ms

Loss rate: 0.04%

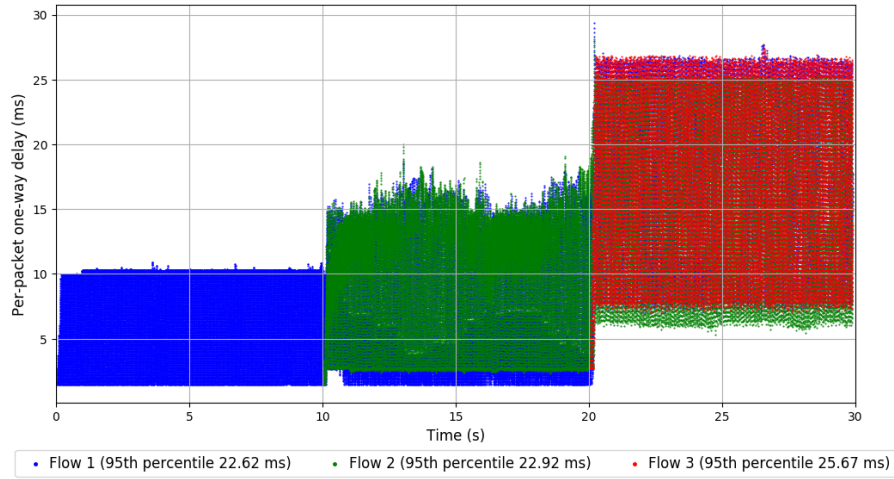
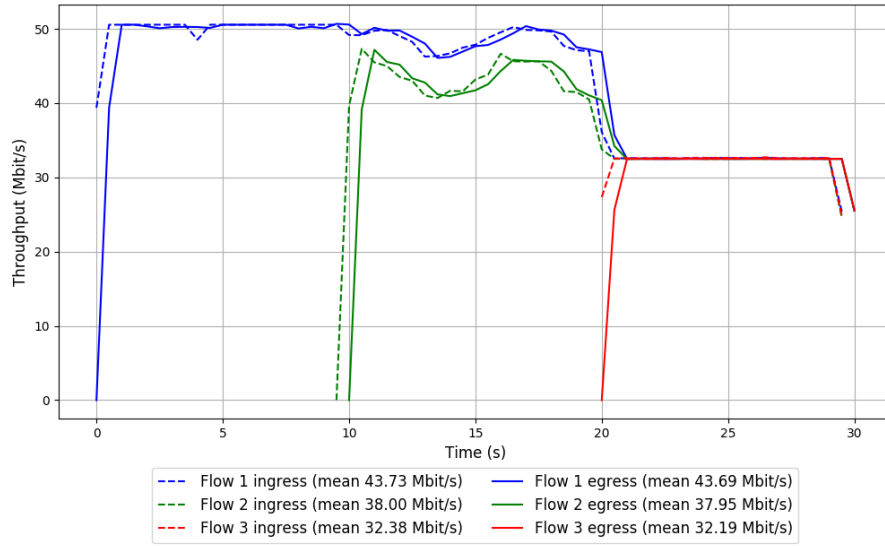
-- Flow 3:

Average throughput: 32.19 Mbit/s

95th percentile per-packet one-way delay: 25.674 ms

Loss rate: 0.46%

Run 3: Report of Sprout — Data Link



Run 4: Statistics of Sprout

Start at: 2019-08-27 13:00:12

End at: 2019-08-27 13:00:42

Local clock offset: -0.198 ms

Remote clock offset: 0.63 ms

Below is generated by plot.py at 2019-08-27 13:57:03

Datalink statistics

-- Total of 3 flows:

Average throughput: 79.12 Mbit/s

95th percentile per-packet one-way delay: 23.469 ms

Loss rate: 0.15%

-- Flow 1:

Average throughput: 42.87 Mbit/s

95th percentile per-packet one-way delay: 22.669 ms

Loss rate: 0.11%

-- Flow 2:

Average throughput: 38.52 Mbit/s

95th percentile per-packet one-way delay: 24.139 ms

Loss rate: 0.19%

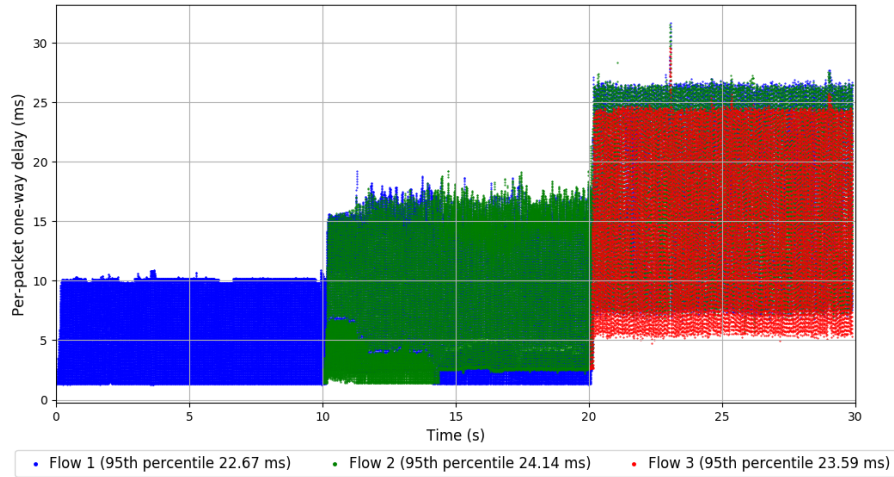
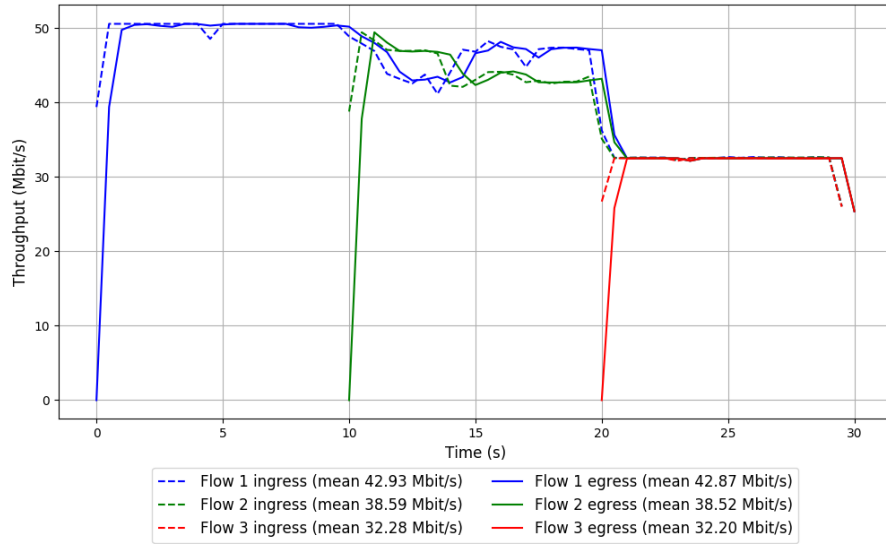
-- Flow 3:

Average throughput: 32.20 Mbit/s

95th percentile per-packet one-way delay: 23.594 ms

Loss rate: 0.23%

Run 4: Report of Sprout — Data Link



Run 5: Statistics of Sprout

Start at: 2019-08-27 13:27:42

End at: 2019-08-27 13:28:12

Local clock offset: -0.178 ms

Remote clock offset: 0.662 ms

Below is generated by plot.py at 2019-08-27 13:57:33

Datalink statistics

-- Total of 3 flows:

Average throughput: 78.09 Mbit/s

95th percentile per-packet one-way delay: 23.588 ms

Loss rate: 0.16%

-- Flow 1:

Average throughput: 42.68 Mbit/s

95th percentile per-packet one-way delay: 22.492 ms

Loss rate: 0.14%

-- Flow 2:

Average throughput: 37.27 Mbit/s

95th percentile per-packet one-way delay: 24.134 ms

Loss rate: 0.19%

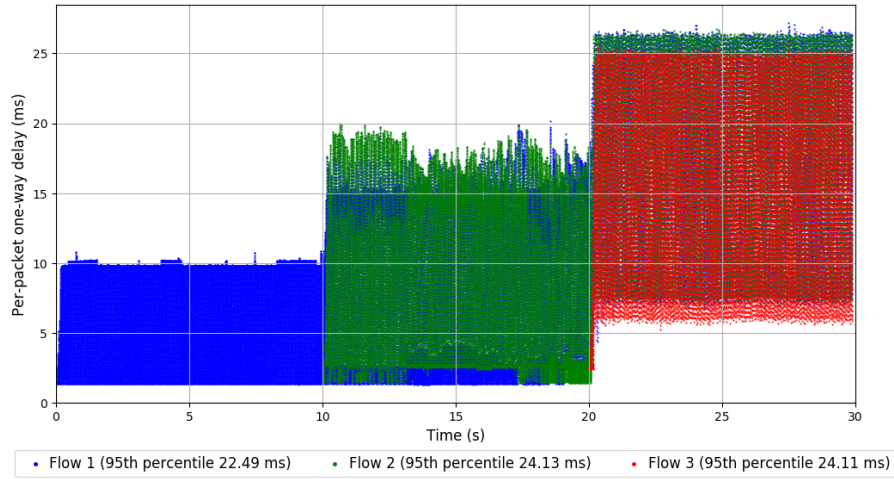
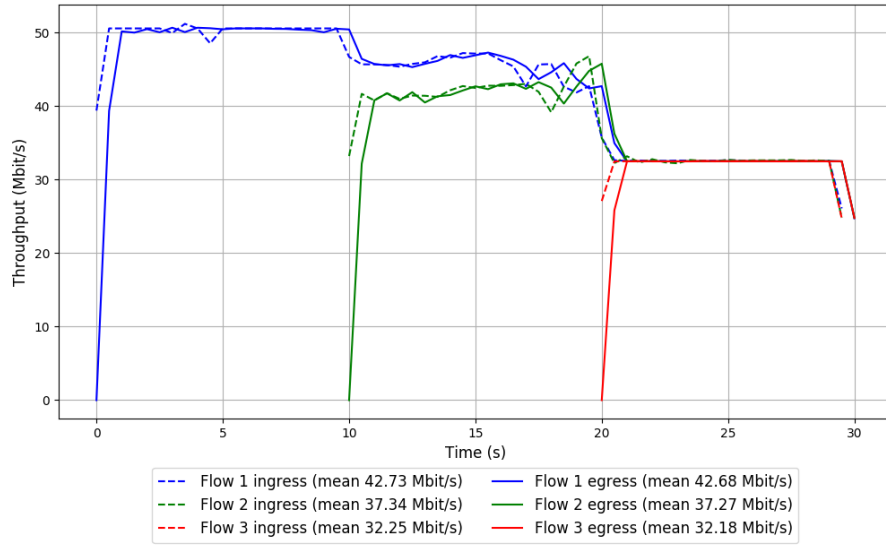
-- Flow 3:

Average throughput: 32.18 Mbit/s

95th percentile per-packet one-way delay: 24.108 ms

Loss rate: 0.19%

Run 5: Report of Sprout — Data Link

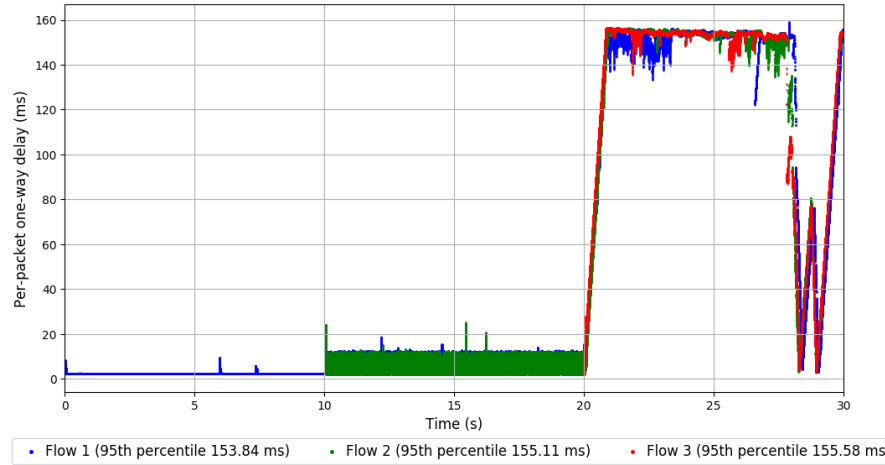
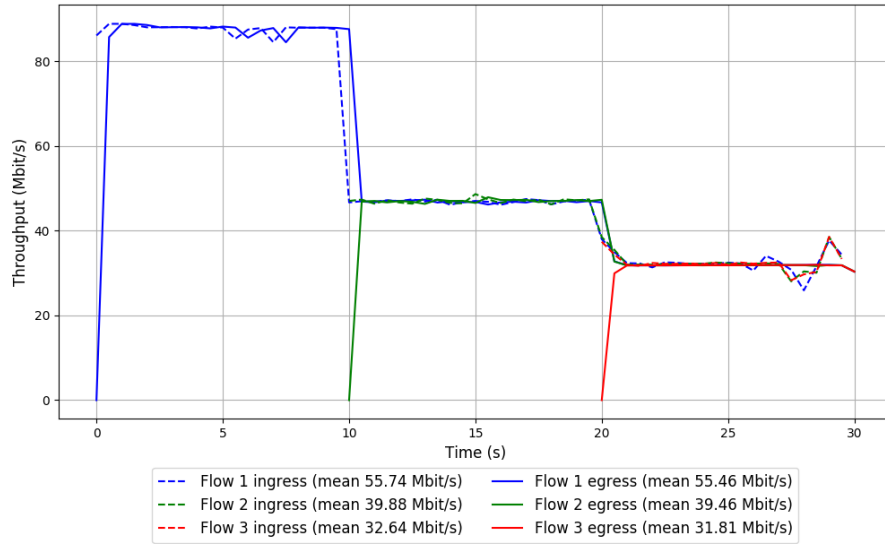


Run 1: Statistics of TaoVA-100x

Start at: 2019-08-27 11:35:14
End at: 2019-08-27 11:35:44
Local clock offset: 0.49 ms
Remote clock offset: -0.459 ms

```
# Below is generated by plot.py at 2019-08-27 13:58:46
# Datalink statistics
-- Total of 3 flows:
Average throughput: 92.30 Mbit/s
95th percentile per-packet one-way delay: 154.793 ms
Loss rate: 0.92%
-- Flow 1:
Average throughput: 55.46 Mbit/s
95th percentile per-packet one-way delay: 153.845 ms
Loss rate: 0.52%
-- Flow 2:
Average throughput: 39.46 Mbit/s
95th percentile per-packet one-way delay: 155.106 ms
Loss rate: 1.07%
-- Flow 3:
Average throughput: 31.81 Mbit/s
95th percentile per-packet one-way delay: 155.576 ms
Loss rate: 2.62%
```

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



Run 2: Statistics of TaoVA-100x

Start at: 2019-08-27 12:02:45

End at: 2019-08-27 12:03:15

Local clock offset: 0.607 ms

Remote clock offset: 0.031 ms

Below is generated by plot.py at 2019-08-27 13:58:48

Datalink statistics

-- Total of 3 flows:

Average throughput: 92.46 Mbit/s

95th percentile per-packet one-way delay: 154.740 ms

Loss rate: 0.92%

-- Flow 1:

Average throughput: 55.60 Mbit/s

95th percentile per-packet one-way delay: 152.694 ms

Loss rate: 0.50%

-- Flow 2:

Average throughput: 39.43 Mbit/s

95th percentile per-packet one-way delay: 155.524 ms

Loss rate: 0.99%

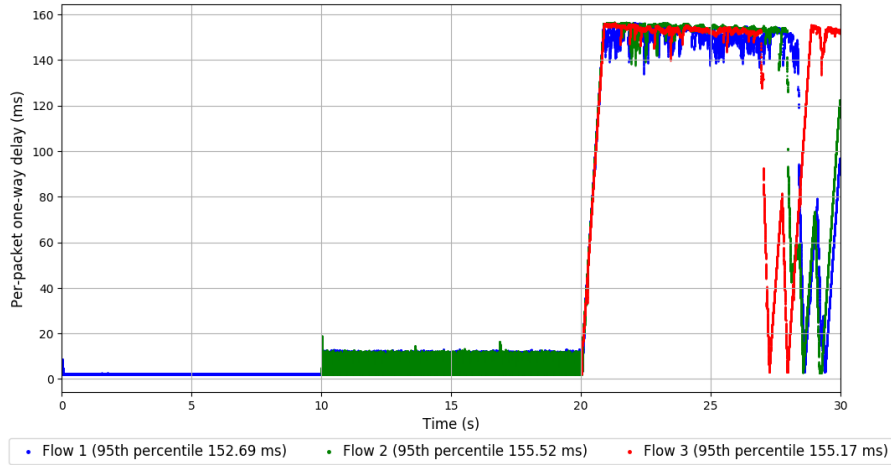
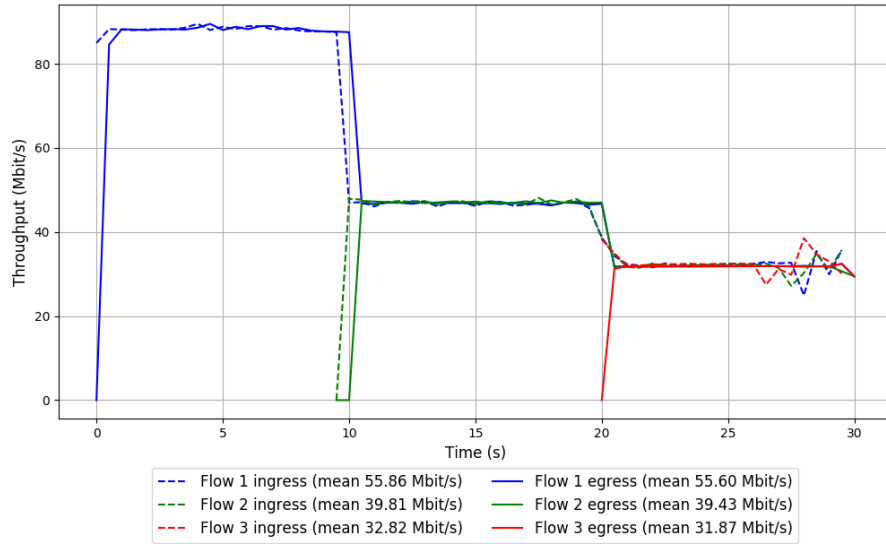
-- Flow 3:

Average throughput: 31.87 Mbit/s

95th percentile per-packet one-way delay: 155.167 ms

Loss rate: 2.93%

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



Run 3: Statistics of TaoVA-100x

Start at: 2019-08-27 12:30:16

End at: 2019-08-27 12:30:46

Local clock offset: -0.208 ms

Remote clock offset: 0.448 ms

Below is generated by plot.py at 2019-08-27 13:58:50

Datalink statistics

-- Total of 3 flows:

Average throughput: 91.64 Mbit/s

95th percentile per-packet one-way delay: 154.443 ms

Loss rate: 0.99%

-- Flow 1:

Average throughput: 54.14 Mbit/s

95th percentile per-packet one-way delay: 155.000 ms

Loss rate: 0.54%

-- Flow 2:

Average throughput: 40.44 Mbit/s

95th percentile per-packet one-way delay: 154.039 ms

Loss rate: 1.13%

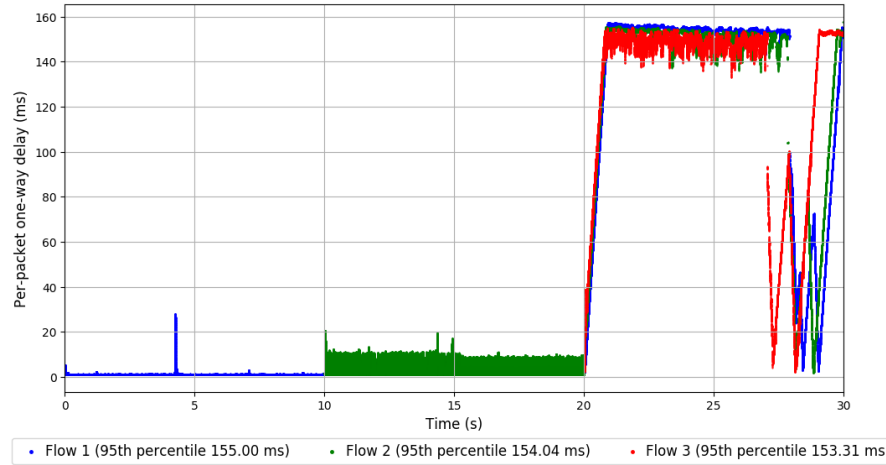
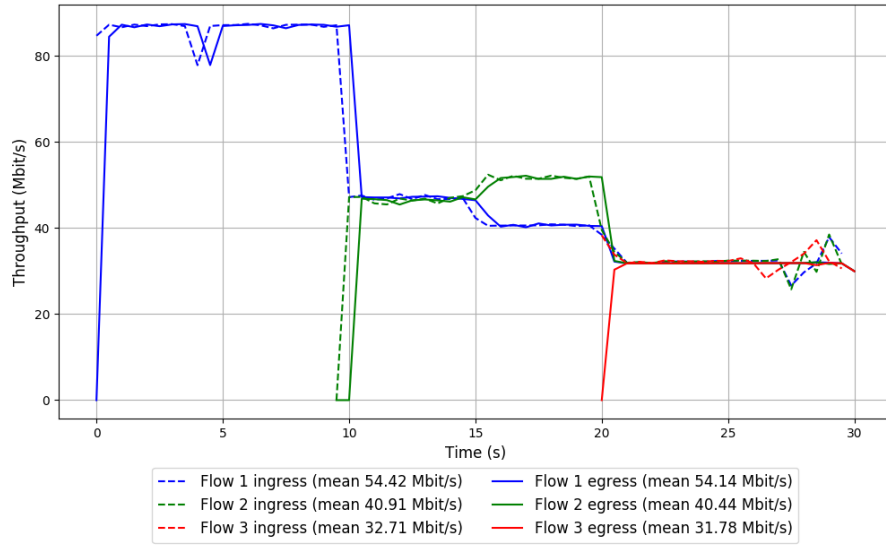
-- Flow 3:

Average throughput: 31.78 Mbit/s

95th percentile per-packet one-way delay: 153.314 ms

Loss rate: 2.89%

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



Run 4: Statistics of TaoVA-100x

Start at: 2019-08-27 12:57:46

End at: 2019-08-27 12:58:16

Local clock offset: -0.17 ms

Remote clock offset: 0.617 ms

Below is generated by plot.py at 2019-08-27 13:58:52

Datalink statistics

-- Total of 3 flows:

Average throughput: 92.35 Mbit/s

95th percentile per-packet one-way delay: 154.061 ms

Loss rate: 0.88%

-- Flow 1:

Average throughput: 55.45 Mbit/s

95th percentile per-packet one-way delay: 153.671 ms

Loss rate: 0.50%

-- Flow 2:

Average throughput: 39.46 Mbit/s

95th percentile per-packet one-way delay: 154.386 ms

Loss rate: 1.02%

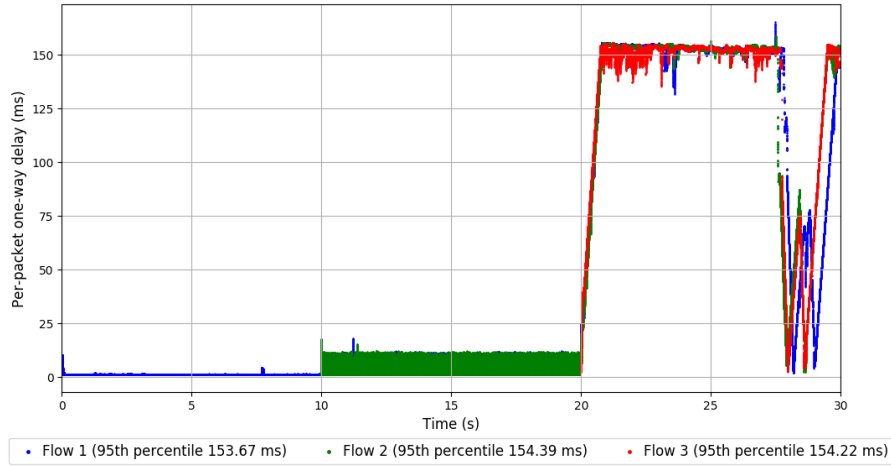
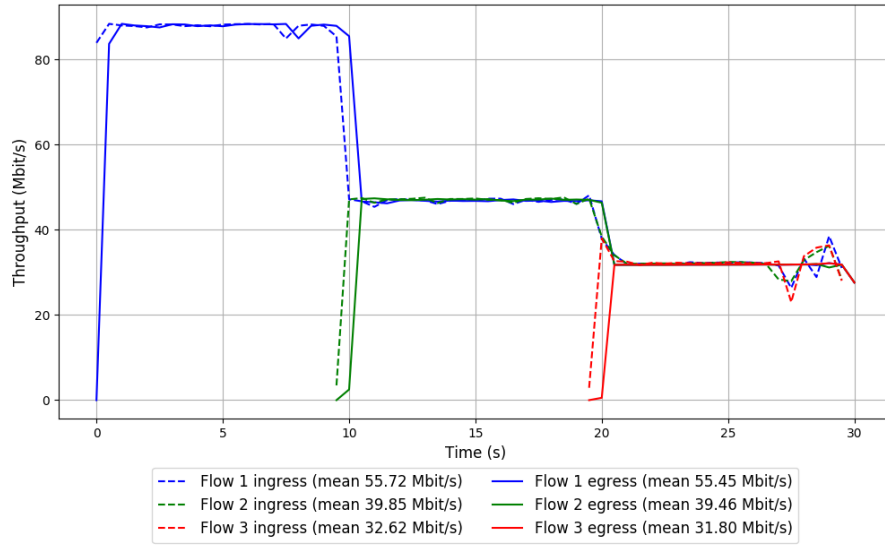
-- Flow 3:

Average throughput: 31.80 Mbit/s

95th percentile per-packet one-way delay: 154.215 ms

Loss rate: 2.51%

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



Run 5: Statistics of TaoVA-100x

Start at: 2019-08-27 13:25:17

End at: 2019-08-27 13:25:47

Local clock offset: -0.136 ms

Remote clock offset: 0.841 ms

Below is generated by plot.py at 2019-08-27 13:58:53

Datalink statistics

-- Total of 3 flows:

Average throughput: 92.16 Mbit/s

95th percentile per-packet one-way delay: 155.080 ms

Loss rate: 0.92%

-- Flow 1:

Average throughput: 55.42 Mbit/s

95th percentile per-packet one-way delay: 155.052 ms

Loss rate: 0.52%

-- Flow 2:

Average throughput: 39.24 Mbit/s

95th percentile per-packet one-way delay: 155.279 ms

Loss rate: 1.05%

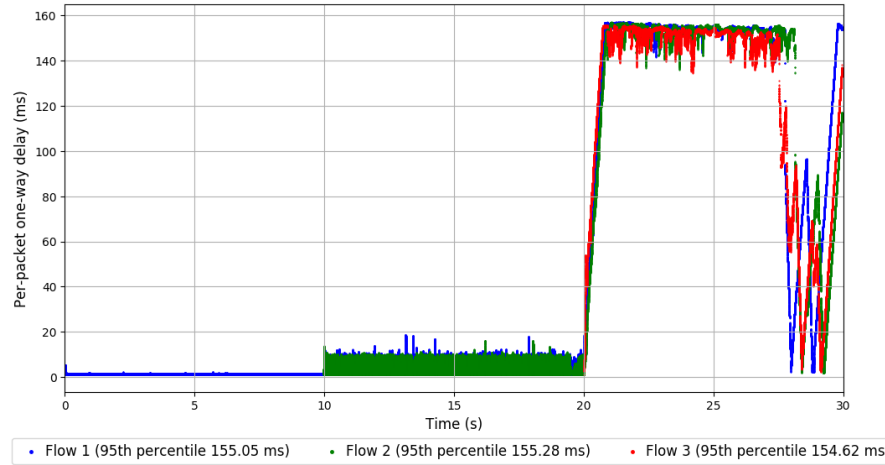
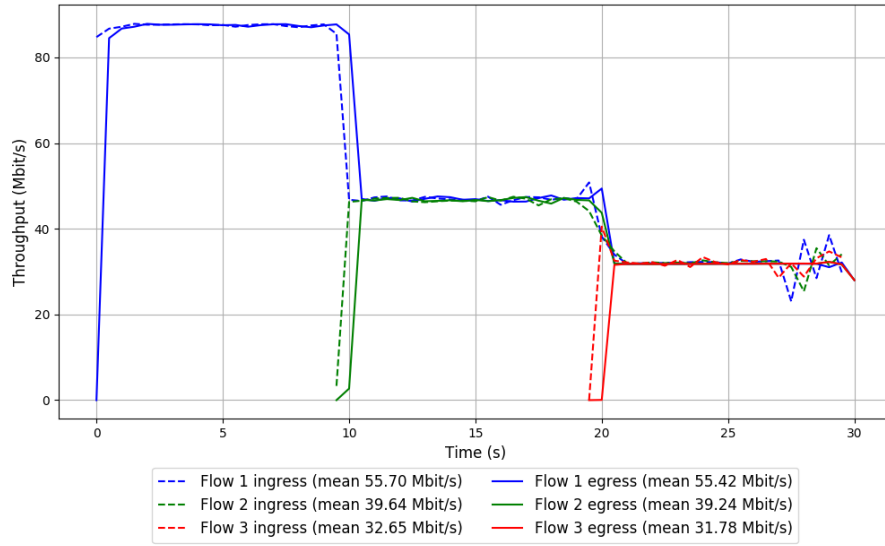
-- Flow 3:

Average throughput: 31.78 Mbit/s

95th percentile per-packet one-way delay: 154.624 ms

Loss rate: 2.67%

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



Run 1: Statistics of TCP Vegas

Start at: 2019-08-27 11:51:18
End at: 2019-08-27 11:51:48
Local clock offset: 0.552 ms
Remote clock offset: -0.118 ms

Below is generated by plot.py at 2019-08-27 13:58:53

Datalink statistics

-- Total of 3 flows:

Average throughput: 97.47 Mbit/s
95th percentile per-packet one-way delay: 4.498 ms
Loss rate: 0.02%

-- Flow 1:

Average throughput: 54.40 Mbit/s
95th percentile per-packet one-way delay: 3.693 ms
Loss rate: 0.02%

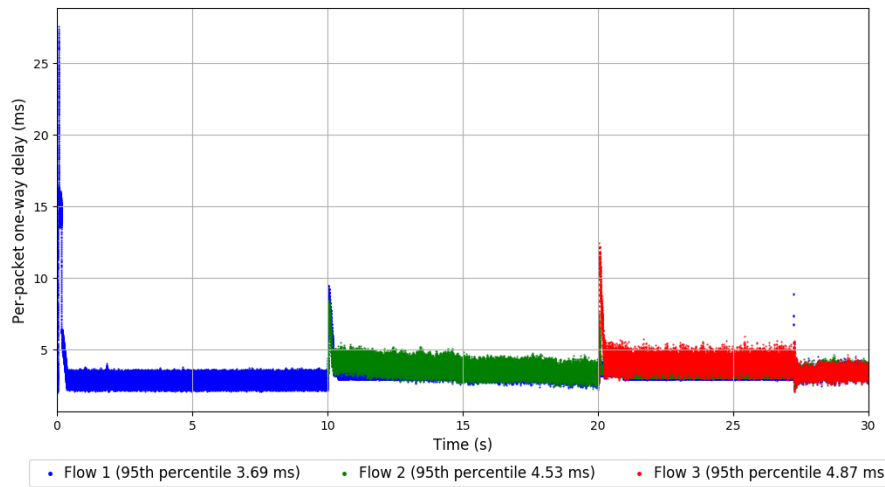
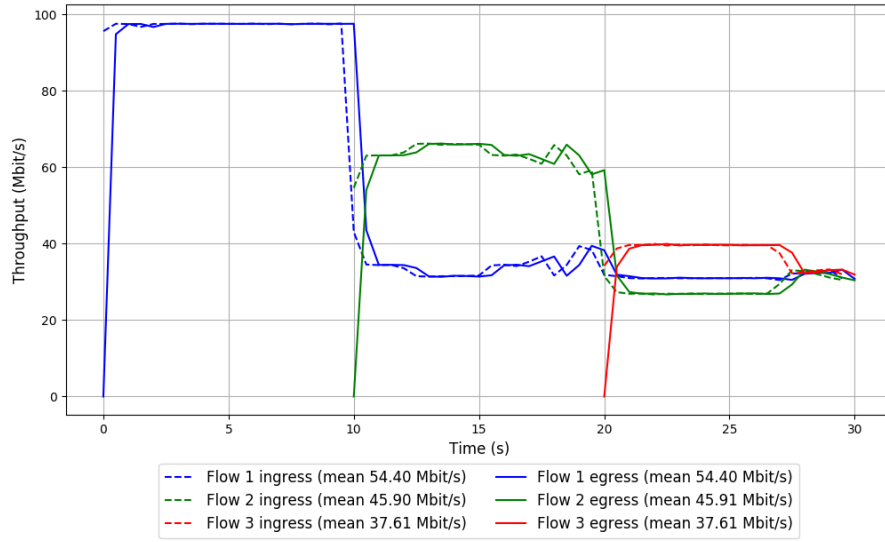
-- Flow 2:

Average throughput: 45.91 Mbit/s
95th percentile per-packet one-way delay: 4.526 ms
Loss rate: 0.02%

-- Flow 3:

Average throughput: 37.61 Mbit/s
95th percentile per-packet one-way delay: 4.867 ms
Loss rate: 0.04%

Run 1: Report of TCP Vegas — Data Link



Run 2: Statistics of TCP Vegas

Start at: 2019-08-27 12:18:48

End at: 2019-08-27 12:19:18

Local clock offset: 0.636 ms

Remote clock offset: 0.341 ms

Below is generated by plot.py at 2019-08-27 13:58:53

Datalink statistics

-- Total of 3 flows:

Average throughput: 97.49 Mbit/s

95th percentile per-packet one-way delay: 4.834 ms

Loss rate: 0.02%

-- Flow 1:

Average throughput: 52.56 Mbit/s

95th percentile per-packet one-way delay: 3.584 ms

Loss rate: 0.01%

-- Flow 2:

Average throughput: 50.26 Mbit/s

95th percentile per-packet one-way delay: 4.459 ms

Loss rate: 0.02%

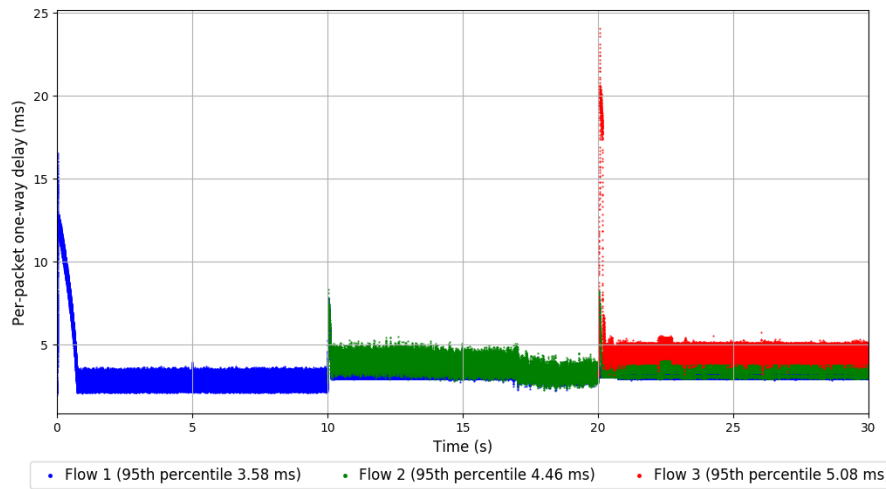
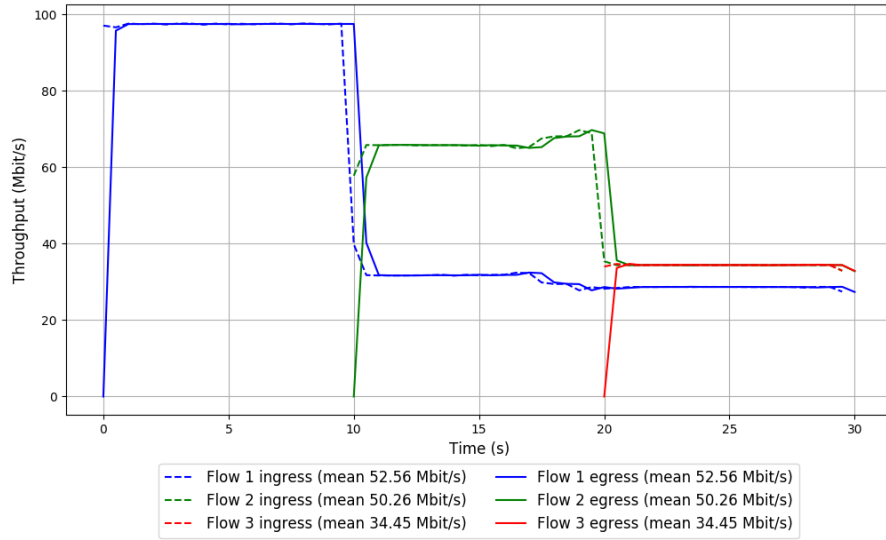
-- Flow 3:

Average throughput: 34.45 Mbit/s

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

Loss rate: 0.06%

Run 2: Report of TCP Vegas — Data Link



Run 3: Statistics of TCP Vegas

Start at: 2019-08-27 12:46:18

End at: 2019-08-27 12:46:48

Local clock offset: -0.142 ms

Remote clock offset: 0.558 ms

Below is generated by plot.py at 2019-08-27 13:58:53

Datalink statistics

-- Total of 3 flows:

Average throughput: 96.61 Mbit/s

95th percentile per-packet one-way delay: 3.807 ms

Loss rate: 0.02%

-- Flow 1:

Average throughput: 47.70 Mbit/s

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

Loss rate: 0.01%

-- Flow 2:

Average throughput: 49.57 Mbit/s

95th percentile per-packet one-way delay: 3.264 ms

Loss rate: 0.02%

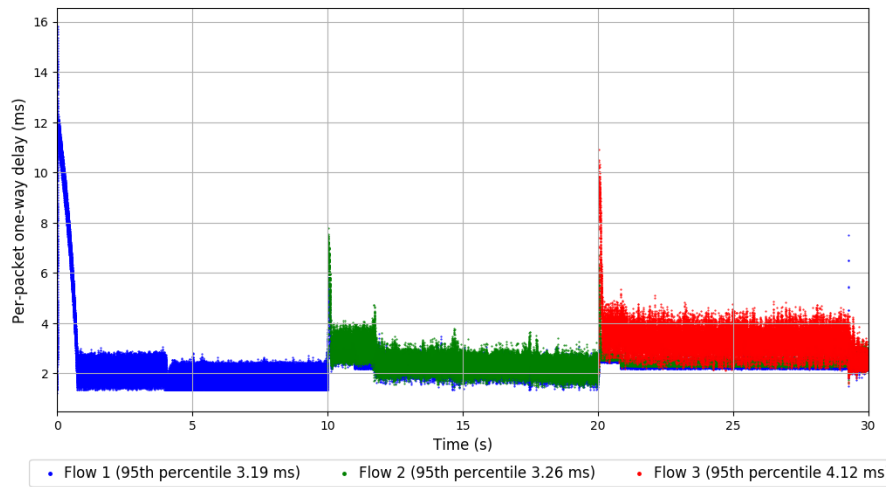
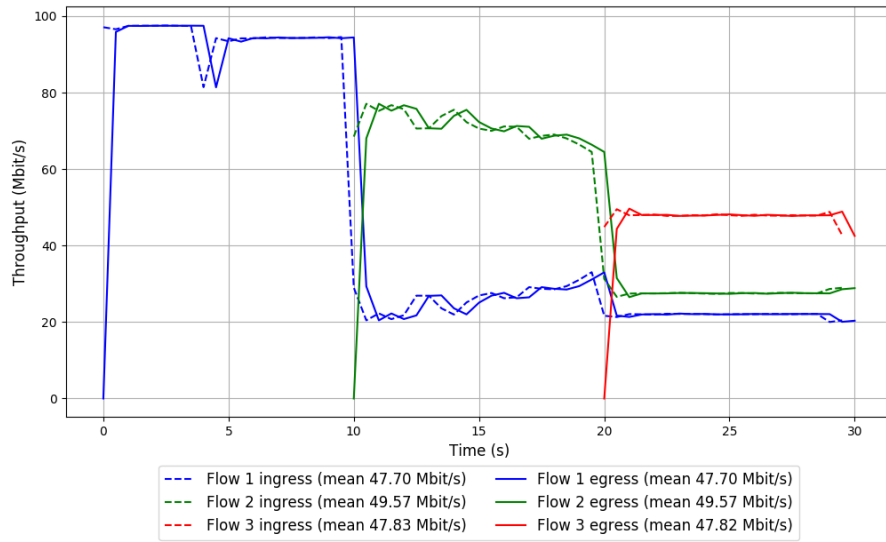
-- Flow 3:

Average throughput: 47.82 Mbit/s

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

Loss rate: 0.04%

Run 3: Report of TCP Vegas — Data Link



Run 4: Statistics of TCP Vegas

Start at: 2019-08-27 13:13:49

End at: 2019-08-27 13:14:19

Local clock offset: 0.609 ms

Remote clock offset: 0.663 ms

Below is generated by plot.py at 2019-08-27 13:59:14

Datalink statistics

-- Total of 3 flows:

Average throughput: 97.43 Mbit/s

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

Loss rate: 0.02%

-- Flow 1:

Average throughput: 51.08 Mbit/s

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

Loss rate: 0.01%

-- Flow 2:

Average throughput: 49.40 Mbit/s

95th percentile per-packet one-way delay: 4.249 ms

Loss rate: 0.02%

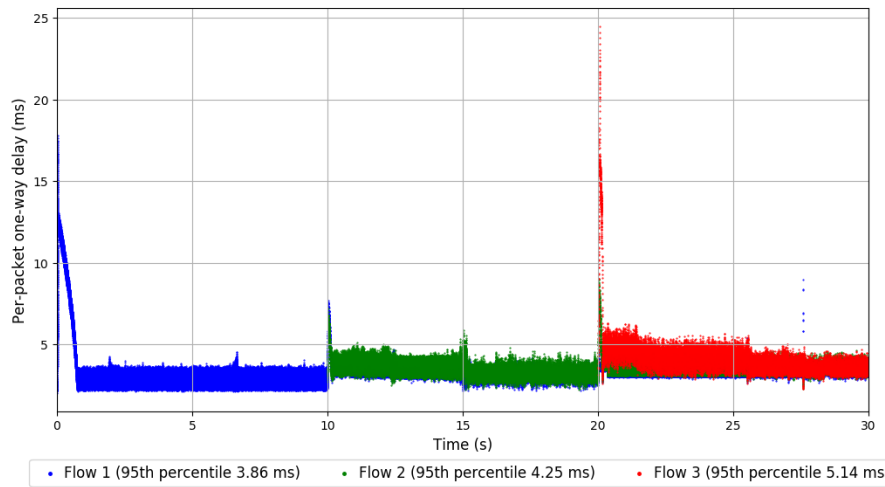
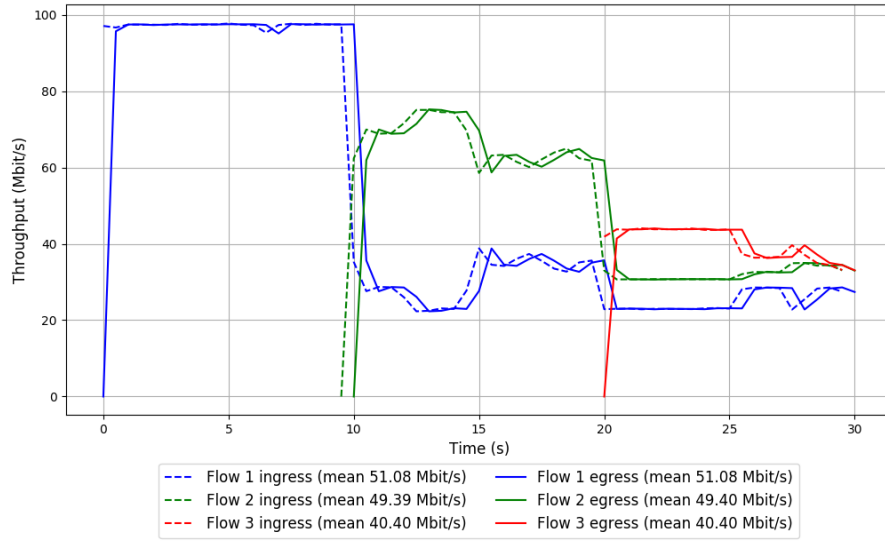
-- Flow 3:

Average throughput: 40.40 Mbit/s

95th percentile per-packet one-way delay: 5.144 ms

Loss rate: 0.04%

Run 4: Report of TCP Vegas — Data Link



Run 5: Statistics of TCP Vegas

Start at: 2019-08-27 13:41:21

End at: 2019-08-27 13:41:51

Local clock offset: -0.126 ms

Remote clock offset: 0.677 ms

Below is generated by plot.py at 2019-08-27 13:59:16

Datalink statistics

-- Total of 3 flows:

Average throughput: 97.47 Mbit/s

95th percentile per-packet one-way delay: 3.922 ms

Loss rate: 0.02%

-- Flow 1:

Average throughput: 52.83 Mbit/s

95th percentile per-packet one-way delay: 2.768 ms

Loss rate: 0.01%

-- Flow 2:

Average throughput: 49.23 Mbit/s

95th percentile per-packet one-way delay: 3.333 ms

Loss rate: 0.02%

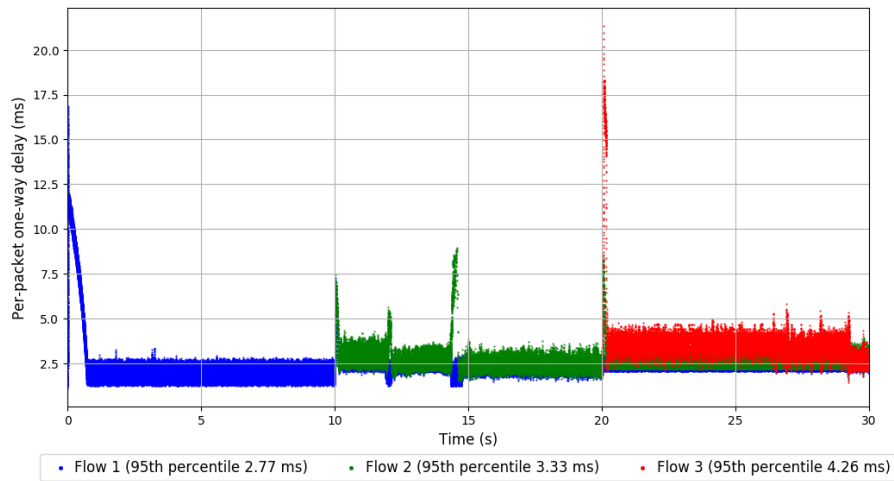
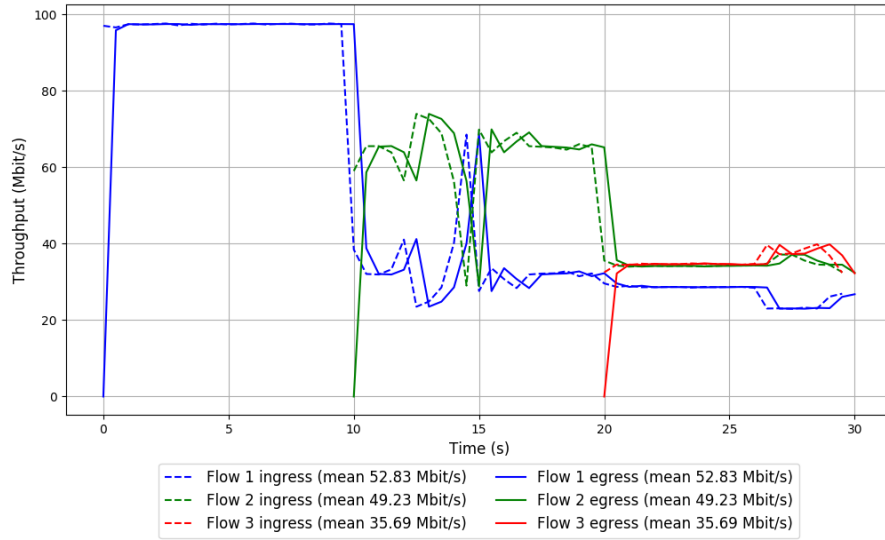
-- Flow 3:

Average throughput: 35.69 Mbit/s

95th percentile per-packet one-way delay: 4.265 ms

Loss rate: 0.05%

Run 5: Report of TCP Vegas — Data Link



Run 1: Statistics of Verus

Start at: 2019-08-27 11:27:18
End at: 2019-08-27 11:27:48
Local clock offset: -0.382 ms
Remote clock offset: -0.616 ms

Below is generated by plot.py at 2019-08-27 13:59:48

Datalink statistics

-- Total of 3 flows:

Average throughput: 81.87 Mbit/s
95th percentile per-packet one-way delay: 26.847 ms
Loss rate: 0.09%

-- Flow 1:

Average throughput: 48.51 Mbit/s
95th percentile per-packet one-way delay: 22.305 ms
Loss rate: 0.05%

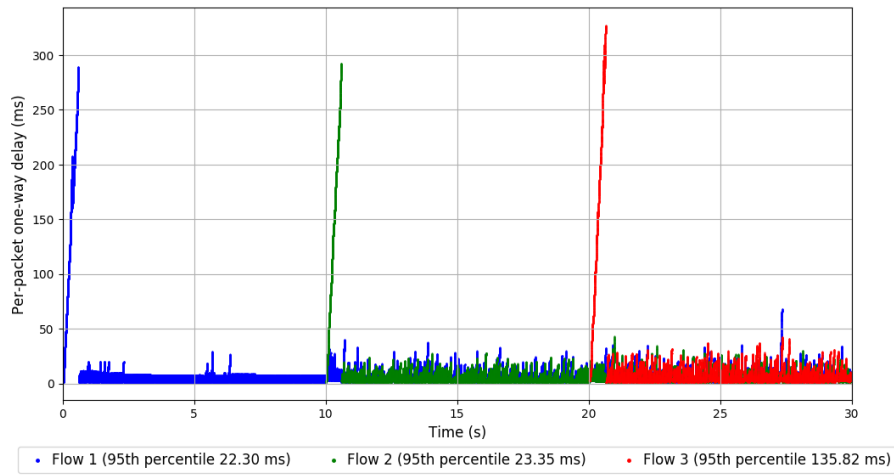
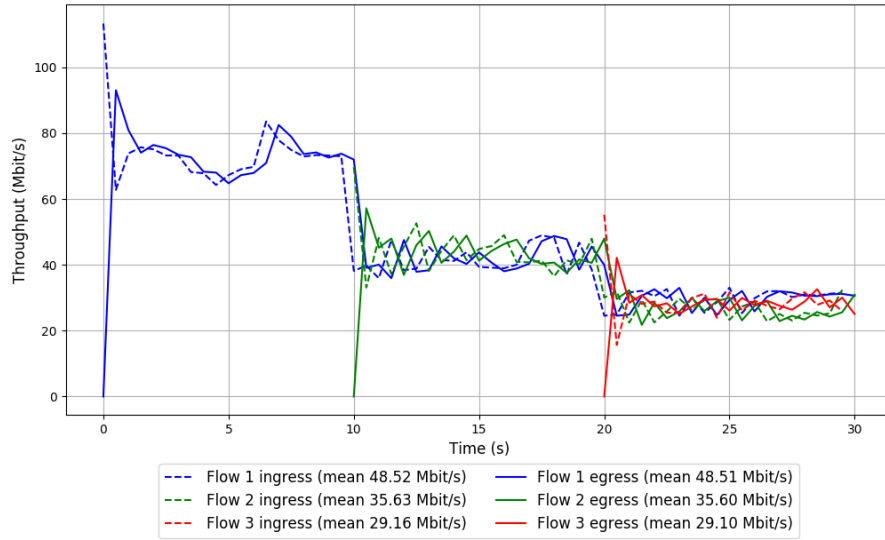
-- Flow 2:

Average throughput: 35.60 Mbit/s
95th percentile per-packet one-way delay: 23.354 ms
Loss rate: 0.12%

-- Flow 3:

Average throughput: 29.10 Mbit/s
95th percentile per-packet one-way delay: 135.818 ms
Loss rate: 0.20%

Run 1: Report of Verus — Data Link



Run 2: Statistics of Verus

Start at: 2019-08-27 11:54:49
End at: 2019-08-27 11:55:19
Local clock offset: -0.237 ms
Remote clock offset: -0.098 ms

Below is generated by plot.py at 2019-08-27 13:59:48

Datalink statistics

-- Total of 3 flows:

Average throughput: 79.24 Mbit/s
95th percentile per-packet one-way delay: 30.841 ms
Loss rate: 0.05%

-- Flow 1:

Average throughput: 47.31 Mbit/s
95th percentile per-packet one-way delay: 24.259 ms
Loss rate: 0.03%

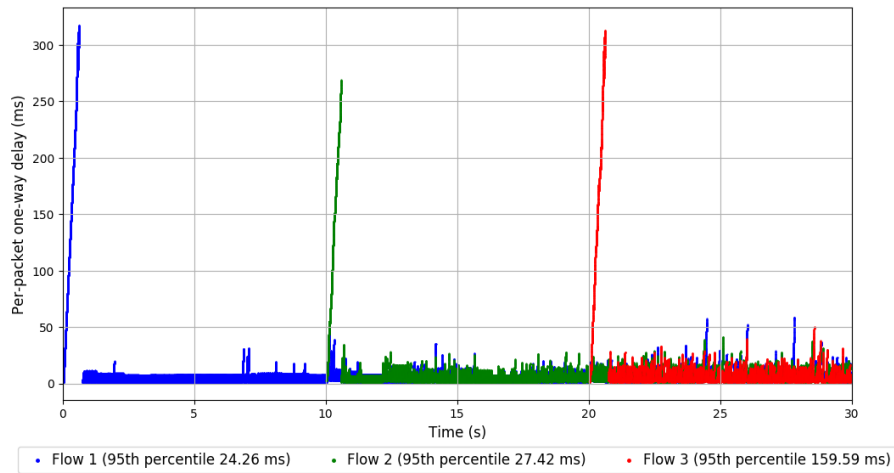
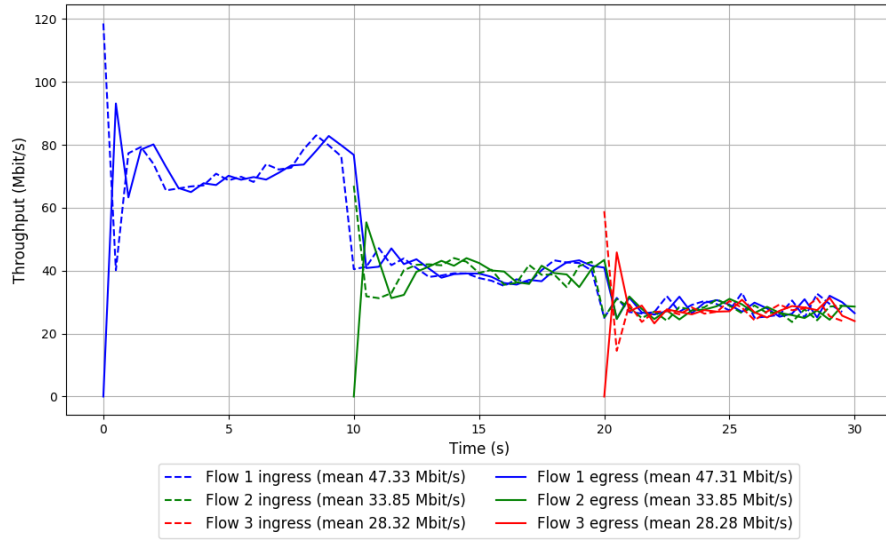
-- Flow 2:

Average throughput: 33.85 Mbit/s
95th percentile per-packet one-way delay: 27.420 ms
Loss rate: 0.04%

-- Flow 3:

Average throughput: 28.28 Mbit/s
95th percentile per-packet one-way delay: 159.593 ms
Loss rate: 0.15%

Run 2: Report of Verus — Data Link



Run 3: Statistics of Verus

Start at: 2019-08-27 12:22:19

End at: 2019-08-27 12:22:49

Local clock offset: -0.194 ms

Remote clock offset: 0.327 ms

Below is generated by plot.py at 2019-08-27 13:59:48

Datalink statistics

-- Total of 3 flows:

Average throughput: 75.47 Mbit/s

95th percentile per-packet one-way delay: 28.940 ms

Loss rate: 0.04%

-- Flow 1:

Average throughput: 38.77 Mbit/s

95th percentile per-packet one-way delay: 24.839 ms

Loss rate: 0.01%

-- Flow 2:

Average throughput: 38.36 Mbit/s

95th percentile per-packet one-way delay: 27.379 ms

Loss rate: 0.04%

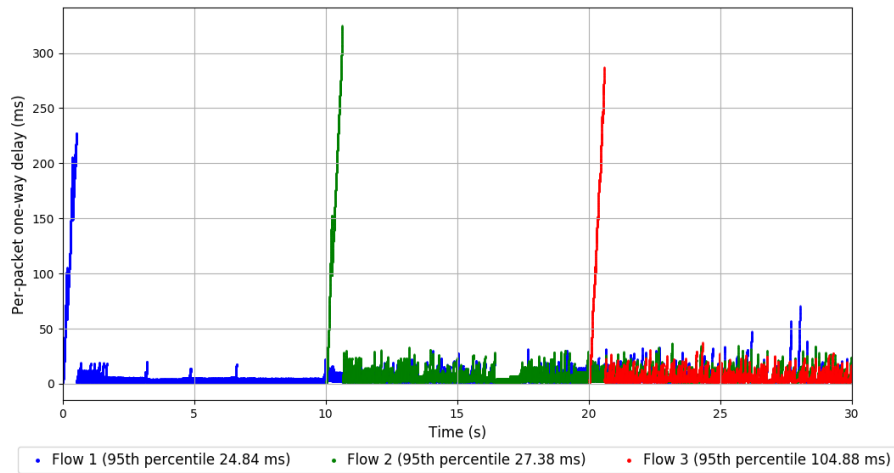
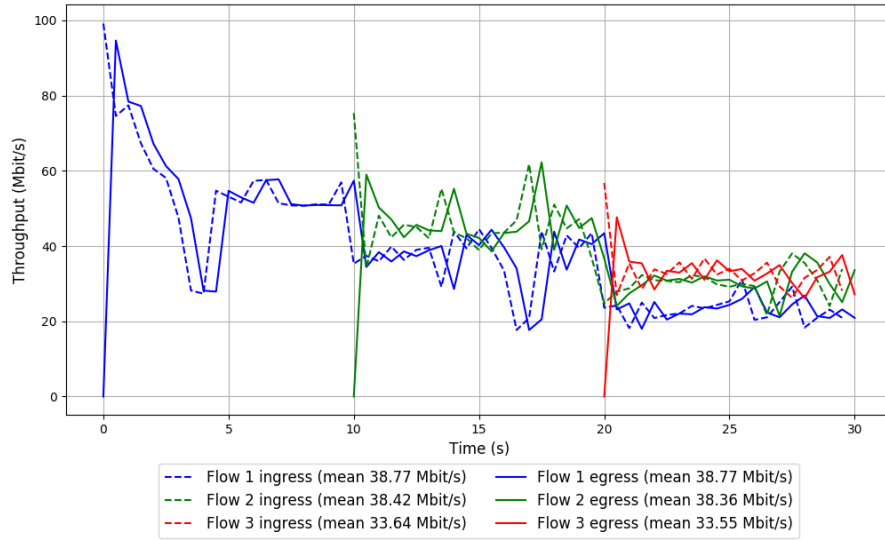
-- Flow 3:

Average throughput: 33.55 Mbit/s

95th percentile per-packet one-way delay: 104.878 ms

Loss rate: 0.18%

Run 3: Report of Verus — Data Link



Run 4: Statistics of Verus

Start at: 2019-08-27 12:49:49

End at: 2019-08-27 12:50:19

Local clock offset: 0.6 ms

Remote clock offset: 0.686 ms

Below is generated by plot.py at 2019-08-27 13:59:48

Datalink statistics

-- Total of 3 flows:

Average throughput: 71.63 Mbit/s

95th percentile per-packet one-way delay: 34.054 ms

Loss rate: 0.08%

-- Flow 1:

Average throughput: 34.56 Mbit/s

95th percentile per-packet one-way delay: 33.865 ms

Loss rate: 0.01%

-- Flow 2:

Average throughput: 39.59 Mbit/s

95th percentile per-packet one-way delay: 24.919 ms

Loss rate: 0.07%

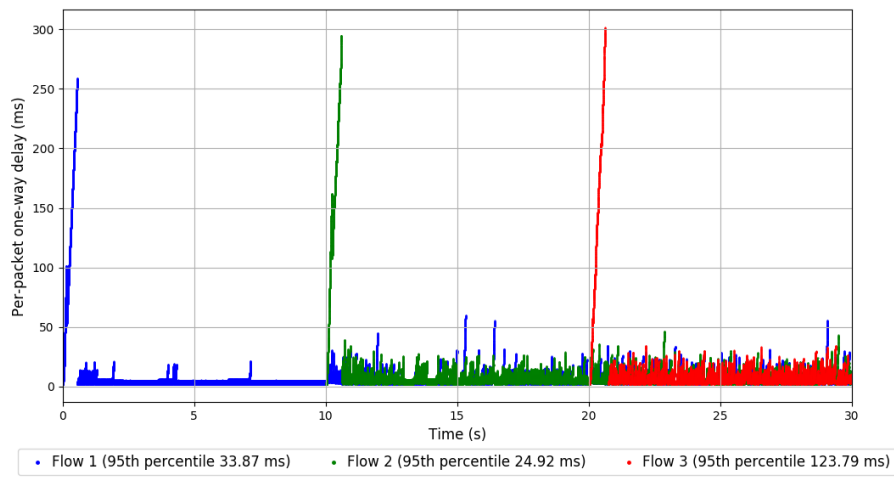
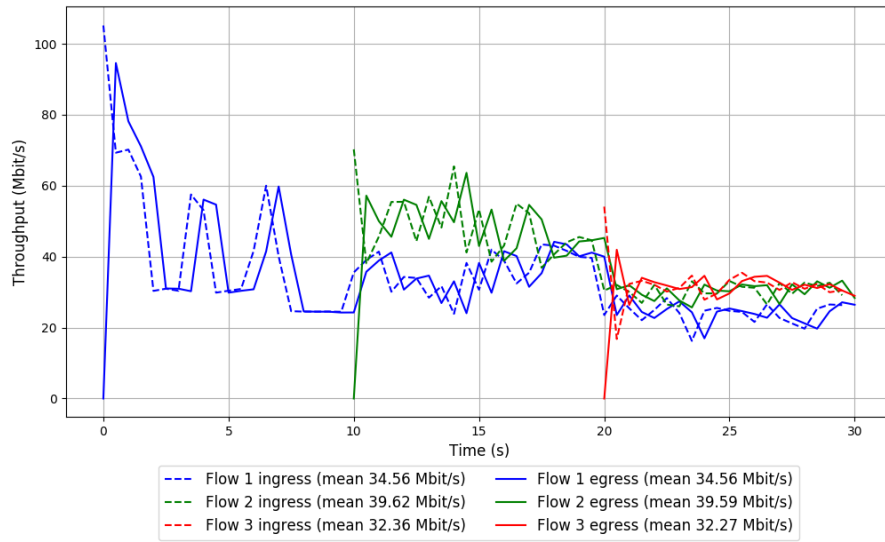
-- Flow 3:

Average throughput: 32.27 Mbit/s

95th percentile per-packet one-way delay: 123.794 ms

Loss rate: 0.32%

Run 4: Report of Verus — Data Link



Run 5: Statistics of Verus

Start at: 2019-08-27 13:17:21

End at: 2019-08-27 13:17:51

Local clock offset: 0.553 ms

Remote clock offset: 0.689 ms

Below is generated by plot.py at 2019-08-27 13:59:48

Datalink statistics

-- Total of 3 flows:

Average throughput: 70.26 Mbit/s

95th percentile per-packet one-way delay: 36.393 ms

Loss rate: 0.03%

-- Flow 1:

Average throughput: 38.11 Mbit/s

95th percentile per-packet one-way delay: 30.810 ms

Loss rate: 0.01%

-- Flow 2:

Average throughput: 30.68 Mbit/s

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

Loss rate: 0.04%

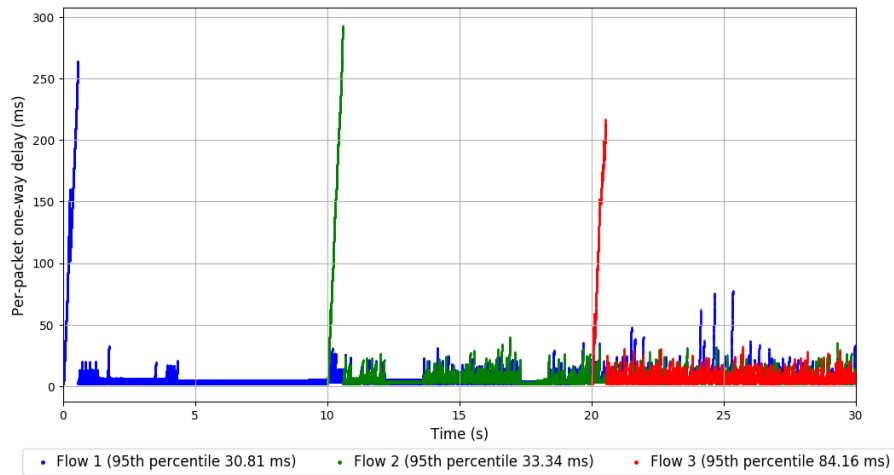
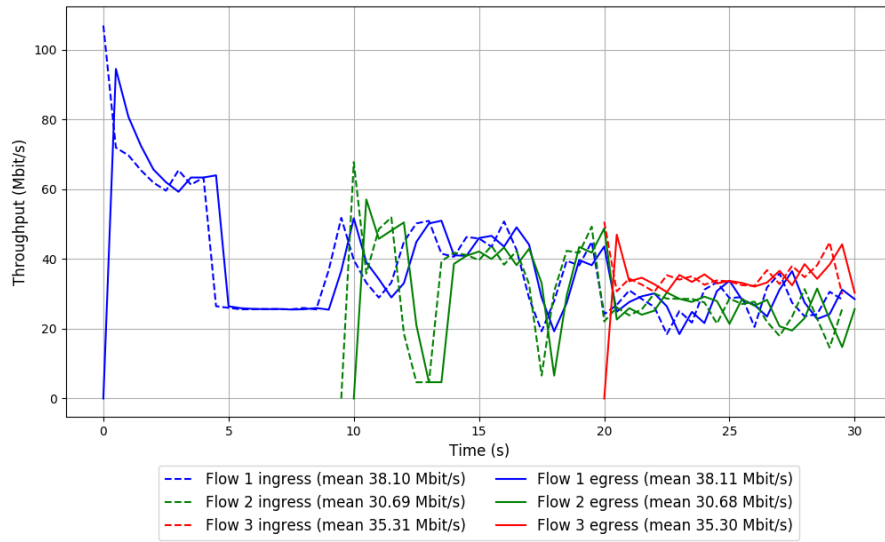
-- Flow 3:

Average throughput: 35.30 Mbit/s

95th percentile per-packet one-way delay: 84.160 ms

Loss rate: 0.08%

Run 5: Report of Verus — Data Link

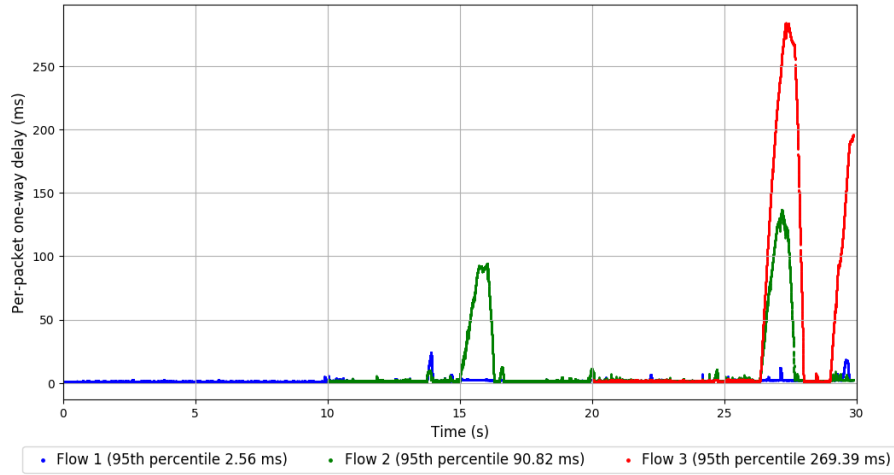
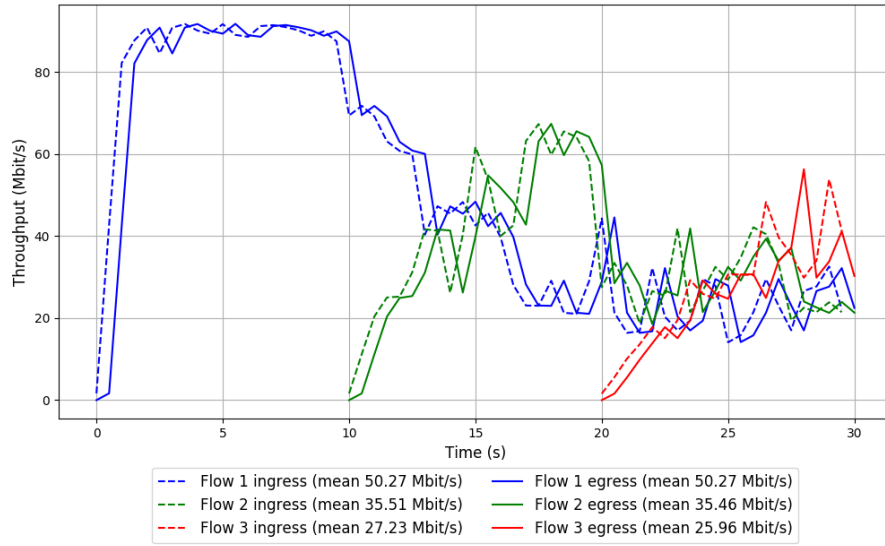


Run 1: Statistics of PCC-Vivace

Start at: 2019-08-27 11:39:53
End at: 2019-08-27 11:40:23
Local clock offset: -0.299 ms
Remote clock offset: -0.435 ms

```
# Below is generated by plot.py at 2019-08-27 14:00:00
# Datalink statistics
-- Total of 3 flows:
Average throughput: 82.42 Mbit/s
95th percentile per-packet one-way delay: 86.483 ms
Loss rate: 0.57%
-- Flow 1:
Average throughput: 50.27 Mbit/s
95th percentile per-packet one-way delay: 2.562 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 35.46 Mbit/s
95th percentile per-packet one-way delay: 90.817 ms
Loss rate: 0.16%
-- Flow 3:
Average throughput: 25.96 Mbit/s
95th percentile per-packet one-way delay: 269.390 ms
Loss rate: 4.76%
```

Run 1: Report of PCC-Vivace — Data Link



Run 2: Statistics of PCC-Vivace

Start at: 2019-08-27 12:07:23

End at: 2019-08-27 12:07:53

Local clock offset: -0.221 ms

Remote clock offset: 0.157 ms

Below is generated by plot.py at 2019-08-27 14:00:11

Datalink statistics

-- Total of 3 flows:

Average throughput: 86.41 Mbit/s

95th percentile per-packet one-way delay: 21.548 ms

Loss rate: 0.22%

-- Flow 1:

Average throughput: 53.51 Mbit/s

95th percentile per-packet one-way delay: 43.002 ms

Loss rate: 0.33%

-- Flow 2:

Average throughput: 38.00 Mbit/s

95th percentile per-packet one-way delay: 3.362 ms

Loss rate: 0.04%

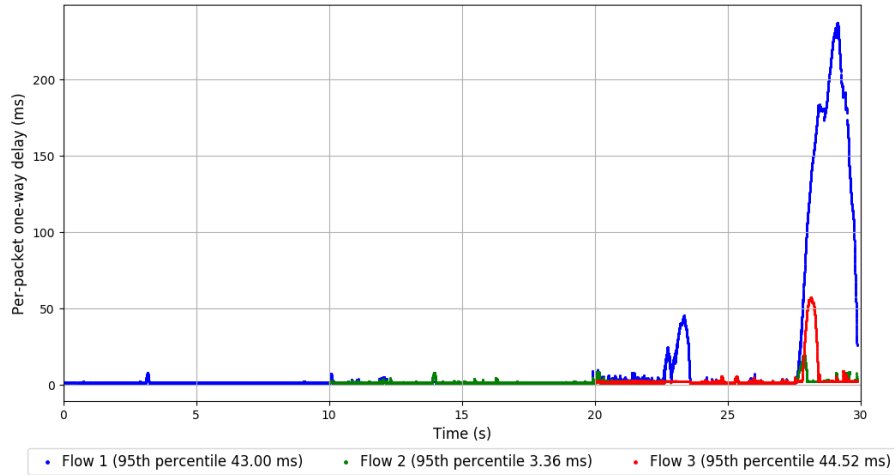
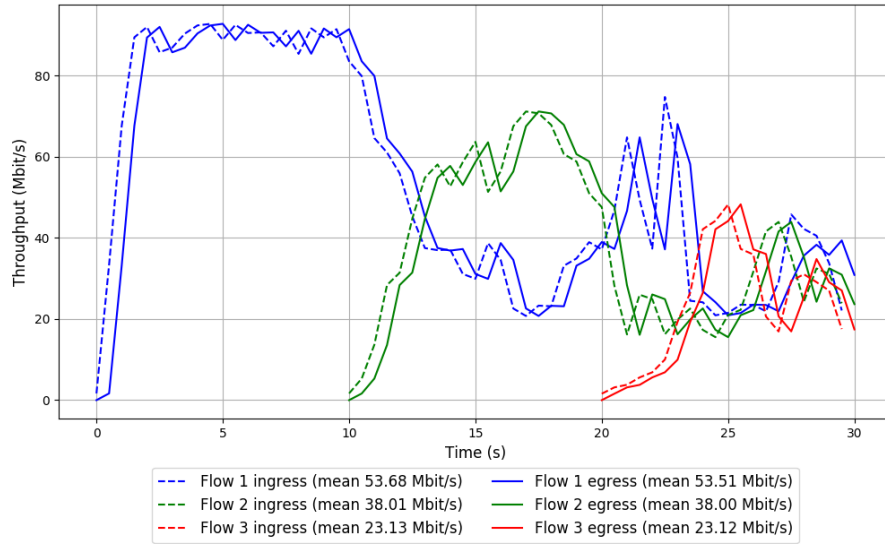
-- Flow 3:

Average throughput: 23.12 Mbit/s

95th percentile per-packet one-way delay: 44.522 ms

Loss rate: 0.10%

Run 2: Report of PCC-Vivace — Data Link



Run 3: Statistics of PCC-Vivace

Start at: 2019-08-27 12:34:55

End at: 2019-08-27 12:35:25

Local clock offset: 0.556 ms

Remote clock offset: 0.494 ms

Below is generated by plot.py at 2019-08-27 14:00:11

Datalink statistics

-- Total of 3 flows:

Average throughput: 56.88 Mbit/s

95th percentile per-packet one-way delay: 6.148 ms

Loss rate: 0.02%

-- Flow 1:

Average throughput: 25.02 Mbit/s

95th percentile per-packet one-way delay: 4.127 ms

Loss rate: 0.02%

-- Flow 2:

Average throughput: 32.95 Mbit/s

95th percentile per-packet one-way delay: 7.162 ms

Loss rate: 0.02%

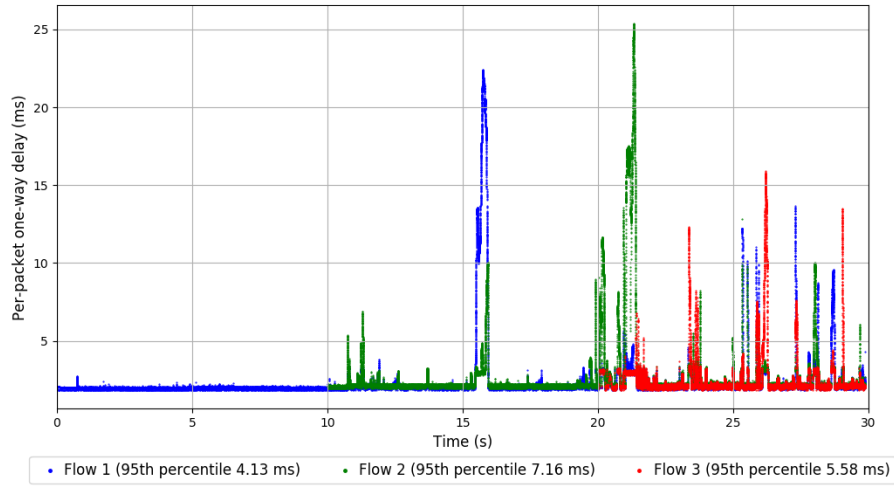
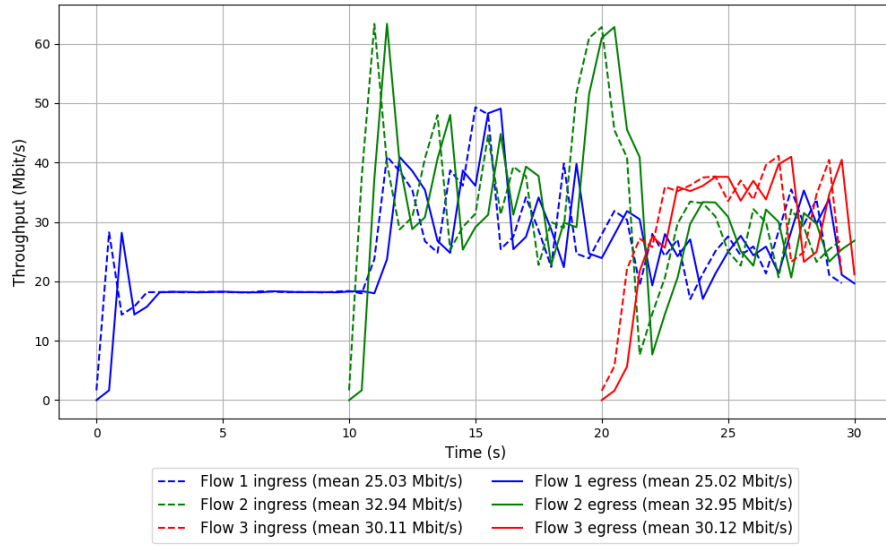
-- Flow 3:

Average throughput: 30.12 Mbit/s

95th percentile per-packet one-way delay: 5.582 ms

Loss rate: 0.02%

Run 3: Report of PCC-Vivace — Data Link



Run 4: Statistics of PCC-Vivace

Start at: 2019-08-27 13:02:25

End at: 2019-08-27 13:02:55

Local clock offset: -0.267 ms

Remote clock offset: 0.675 ms

Below is generated by plot.py at 2019-08-27 14:00:13

Datalink statistics

-- Total of 3 flows:

Average throughput: 62.63 Mbit/s

95th percentile per-packet one-way delay: 213.075 ms

Loss rate: 0.35%

-- Flow 1:

Average throughput: 30.23 Mbit/s

95th percentile per-packet one-way delay: 33.584 ms

Loss rate: 0.10%

-- Flow 2:

Average throughput: 36.18 Mbit/s

95th percentile per-packet one-way delay: 274.147 ms

Loss rate: 0.77%

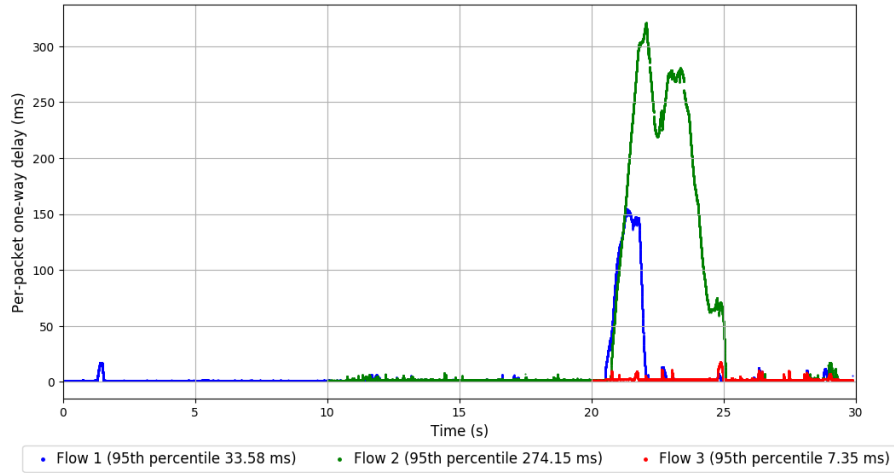
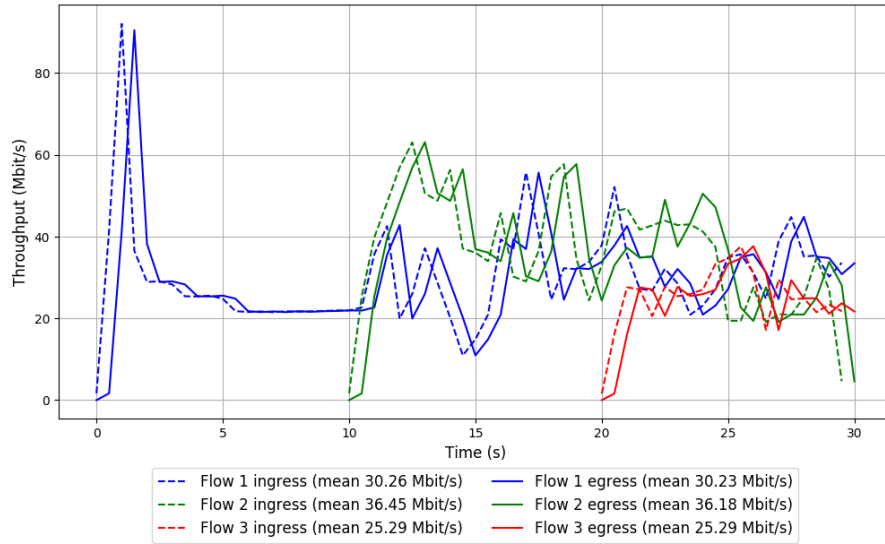
-- Flow 3:

Average throughput: 25.29 Mbit/s

95th percentile per-packet one-way delay: 7.348 ms

Loss rate: 0.03%

Run 4: Report of PCC-Vivace — Data Link



Run 5: Statistics of PCC-Vivace

Start at: 2019-08-27 13:29:56

End at: 2019-08-27 13:30:26

Local clock offset: 0.675 ms

Remote clock offset: 0.733 ms

Below is generated by plot.py at 2019-08-27 14:00:14

Datalink statistics

-- Total of 3 flows:

Average throughput: 83.94 Mbit/s

95th percentile per-packet one-way delay: 6.928 ms

Loss rate: 0.21%

-- Flow 1:

Average throughput: 54.28 Mbit/s

95th percentile per-packet one-way delay: 5.191 ms

Loss rate: 0.29%

-- Flow 2:

Average throughput: 32.12 Mbit/s

95th percentile per-packet one-way delay: 10.250 ms

Loss rate: 0.03%

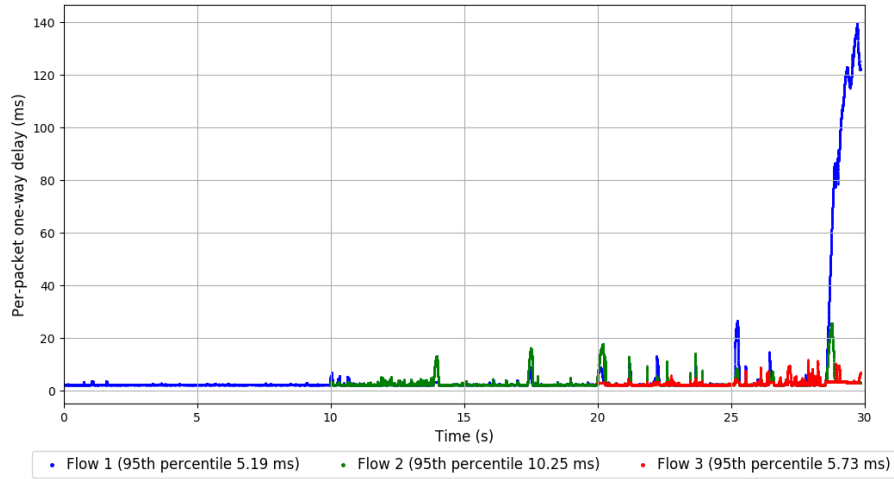
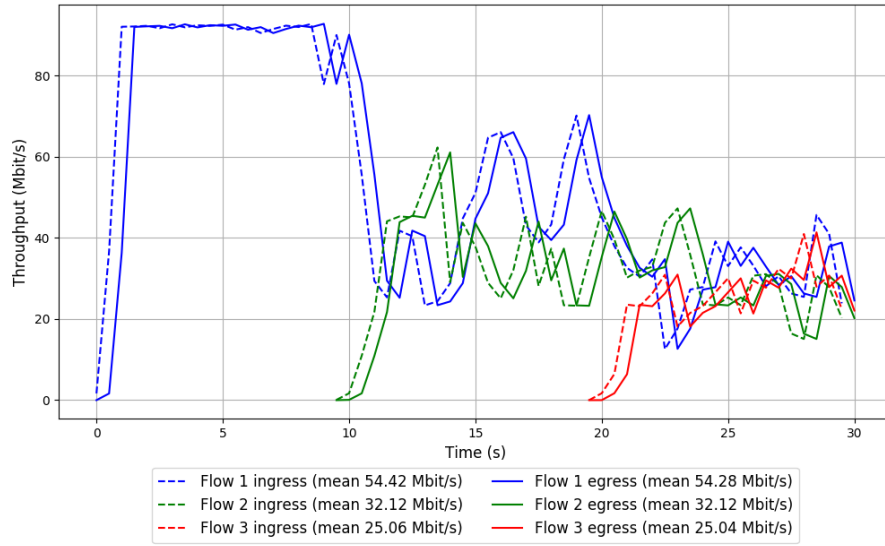
-- Flow 3:

Average throughput: 25.04 Mbit/s

95th percentile per-packet one-way delay: 5.732 ms

Loss rate: 0.11%

Run 5: Report of PCC-Vivace — Data Link



Run 1: Statistics of WebRTC media

Start at: 2019-08-27 11:29:34
End at: 2019-08-27 11:30:04
Local clock offset: 0.5 ms
Remote clock offset: -0.569 ms

Below is generated by plot.py at 2019-08-27 14:00:14

Datalink statistics

-- Total of 3 flows:

Average throughput: 2.62 Mbit/s
95th percentile per-packet one-way delay: 2.867 ms
Loss rate: 0.16%

-- Flow 1:

Average throughput: 1.54 Mbit/s
95th percentile per-packet one-way delay: 2.800 ms
Loss rate: 0.00%

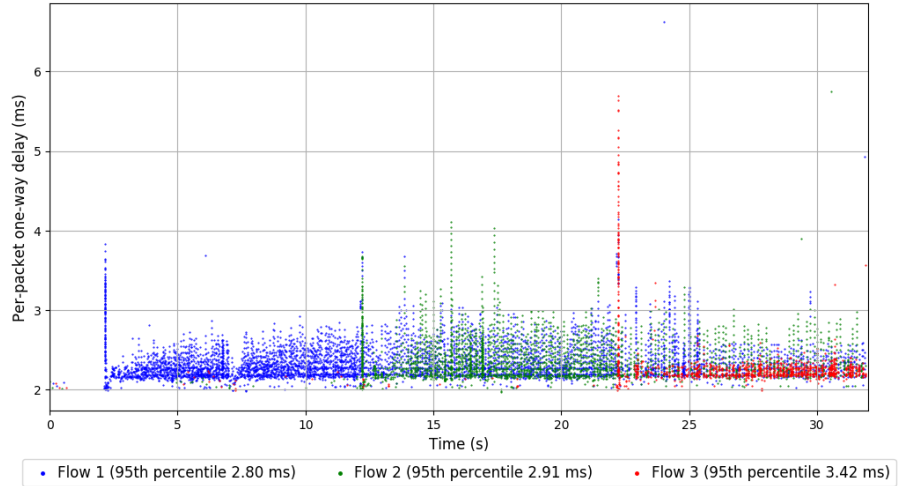
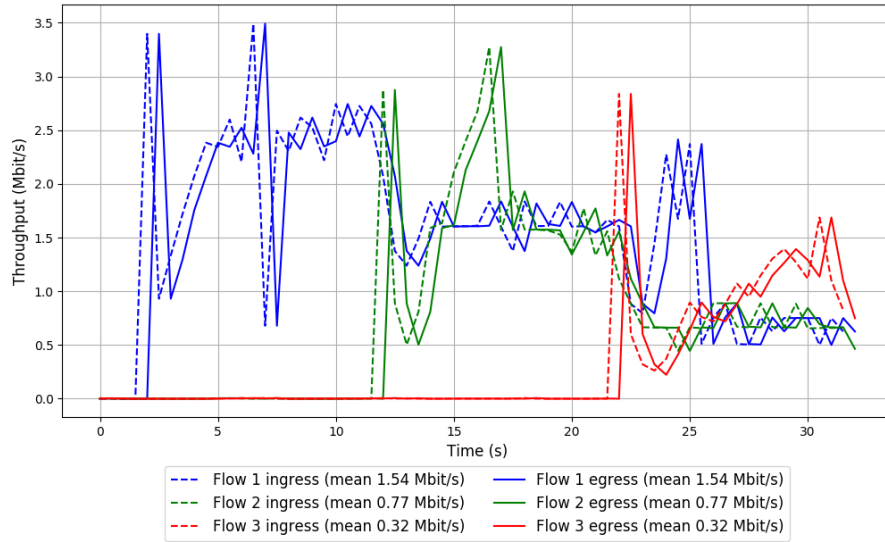
-- Flow 2:

Average throughput: 0.77 Mbit/s
95th percentile per-packet one-way delay: 2.910 ms
Loss rate: 0.40%

-- Flow 3:

Average throughput: 0.32 Mbit/s
95th percentile per-packet one-way delay: 3.420 ms
Loss rate: 0.37%

Run 1: Report of WebRTC media — Data Link

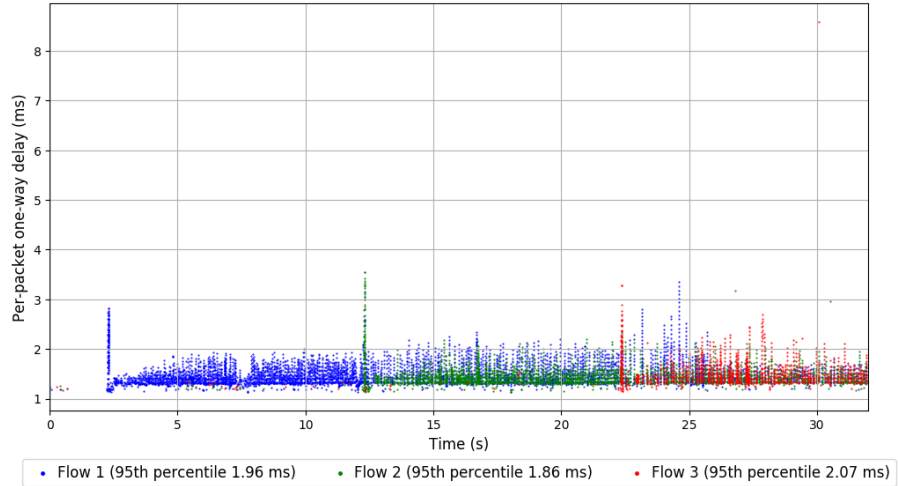
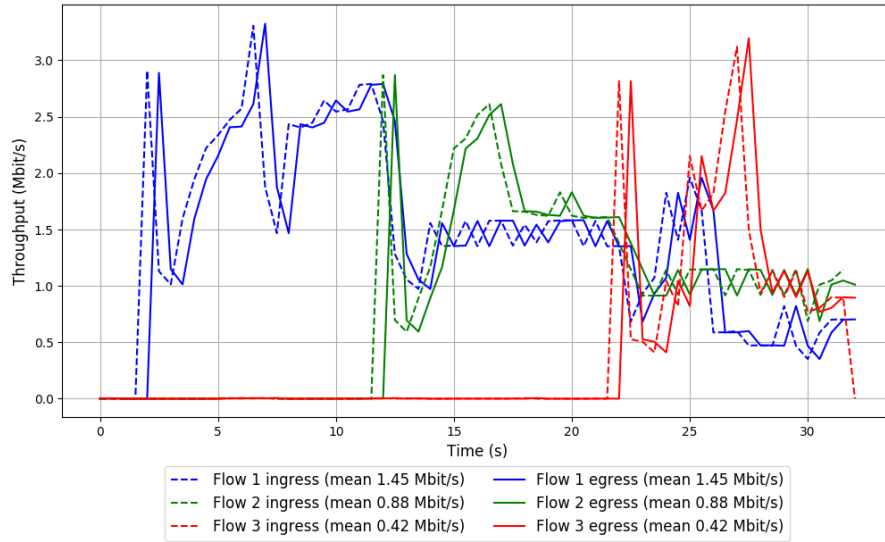


Run 2: Statistics of WebRTC media

Start at: 2019-08-27 11:57:05
End at: 2019-08-27 11:57:35
Local clock offset: -0.213 ms
Remote clock offset: -0.036 ms

```
# Below is generated by plot.py at 2019-08-27 14:00:14
# Datalink statistics
-- Total of 3 flows:
Average throughput: 2.73 Mbit/s
95th percentile per-packet one-way delay: 1.952 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 1.45 Mbit/s
95th percentile per-packet one-way delay: 1.955 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.88 Mbit/s
95th percentile per-packet one-way delay: 1.864 ms
Loss rate: 0.24%
-- Flow 3:
Average throughput: 0.42 Mbit/s
95th percentile per-packet one-way delay: 2.069 ms
Loss rate: 0.01%
```

Run 2: Report of WebRTC media — Data Link



Run 3: Statistics of WebRTC media

Start at: 2019-08-27 12:24:36

End at: 2019-08-27 12:25:06

Local clock offset: 0.569 ms

Remote clock offset: 0.448 ms

Below is generated by plot.py at 2019-08-27 14:00:14

Datalink statistics

-- Total of 3 flows:

Average throughput: 2.76 Mbit/s

95th percentile per-packet one-way delay: 2.777 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 1.49 Mbit/s

95th percentile per-packet one-way delay: 2.722 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 0.86 Mbit/s

95th percentile per-packet one-way delay: 2.757 ms

Loss rate: 0.00%

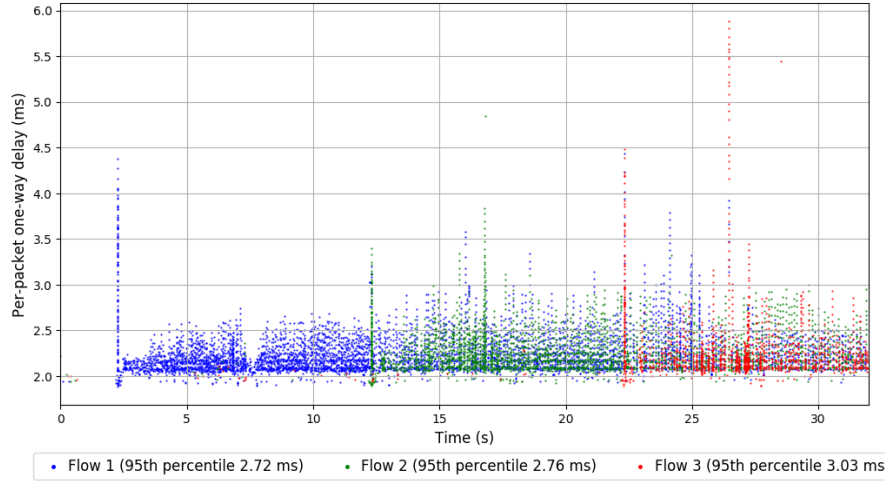
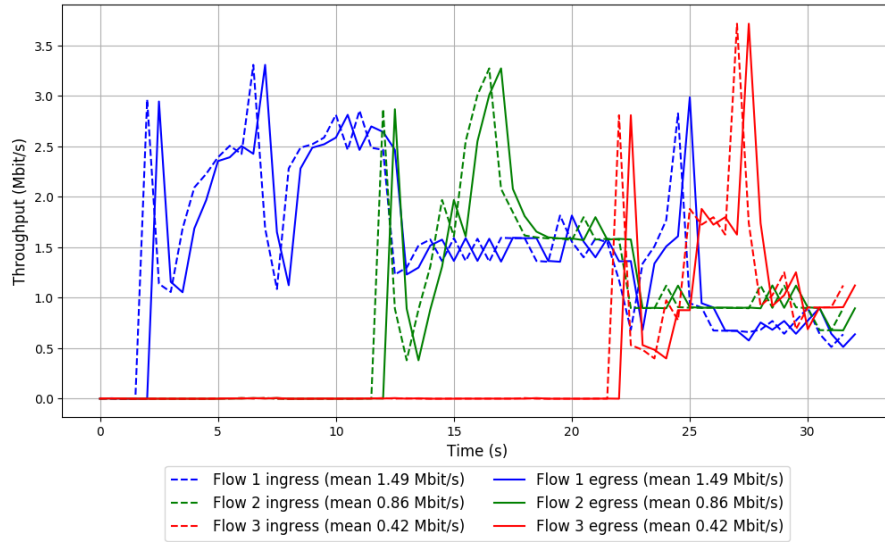
-- Flow 3:

Average throughput: 0.42 Mbit/s

95th percentile per-packet one-way delay: 3.029 ms

Loss rate: 0.00%

Run 3: Report of WebRTC media — Data Link



Run 4: Statistics of WebRTC media

Start at: 2019-08-27 12:52:05

End at: 2019-08-27 12:52:35

Local clock offset: 0.556 ms

Remote clock offset: 0.628 ms

Below is generated by plot.py at 2019-08-27 14:00:14

Datalink statistics

-- Total of 3 flows:

Average throughput: 2.82 Mbit/s

95th percentile per-packet one-way delay: 2.759 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 1.49 Mbit/s

95th percentile per-packet one-way delay: 2.653 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 0.90 Mbit/s

95th percentile per-packet one-way delay: 2.640 ms

Loss rate: 0.00%

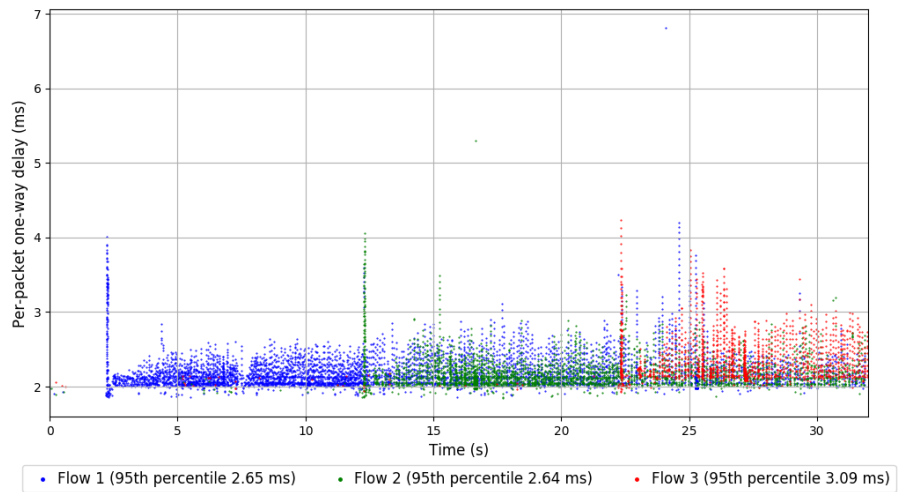
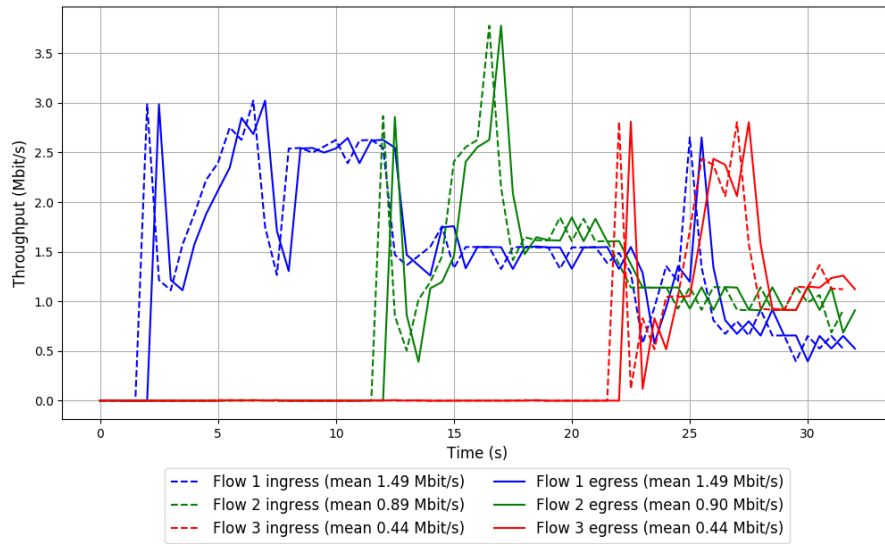
-- Flow 3:

Average throughput: 0.44 Mbit/s

95th percentile per-packet one-way delay: 3.086 ms

Loss rate: 0.00%

Run 4: Report of WebRTC media — Data Link



Run 5: Statistics of WebRTC media

Start at: 2019-08-27 13:19:36

End at: 2019-08-27 13:20:06

Local clock offset: -0.157 ms

Remote clock offset: 0.713 ms

Below is generated by plot.py at 2019-08-27 14:00:14

Datalink statistics

-- Total of 3 flows:

Average throughput: 2.65 Mbit/s

95th percentile per-packet one-way delay: 2.096 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 1.54 Mbit/s

95th percentile per-packet one-way delay: 2.109 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 0.78 Mbit/s

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

Loss rate: 0.00%

-- Flow 3:

Average throughput: 0.35 Mbit/s

95th percentile per-packet one-way delay: 2.018 ms

Loss rate: 0.00%

Run 5: Report of WebRTC media — Data Link

