

Pantheon Report

Generated at 2019-11-24 19:59:21 (UTC).

Data path: Stanford on `eno1` (*remote*) → AWS California 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 `time.stanford.edu` and have been applied to correct the timestamps in logs.

System info:

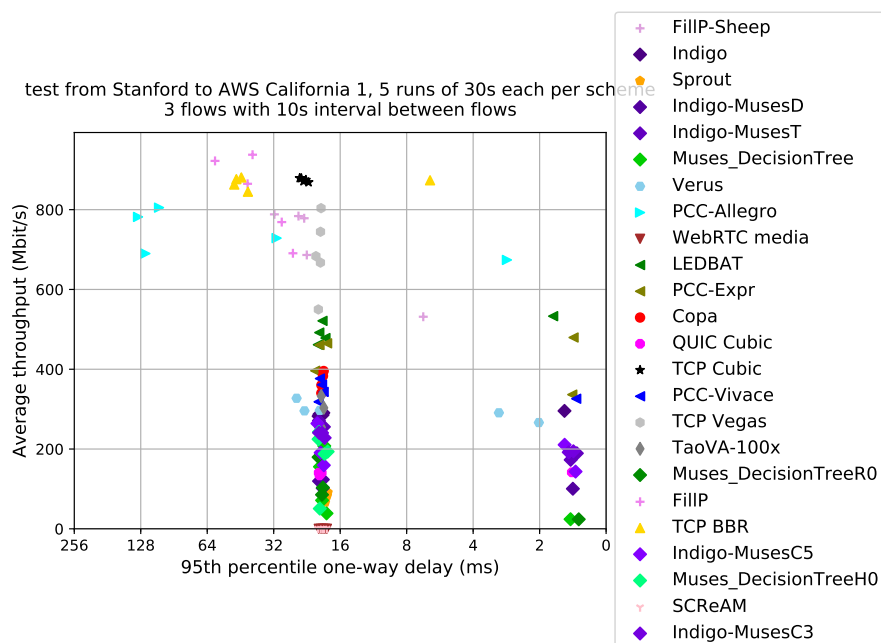
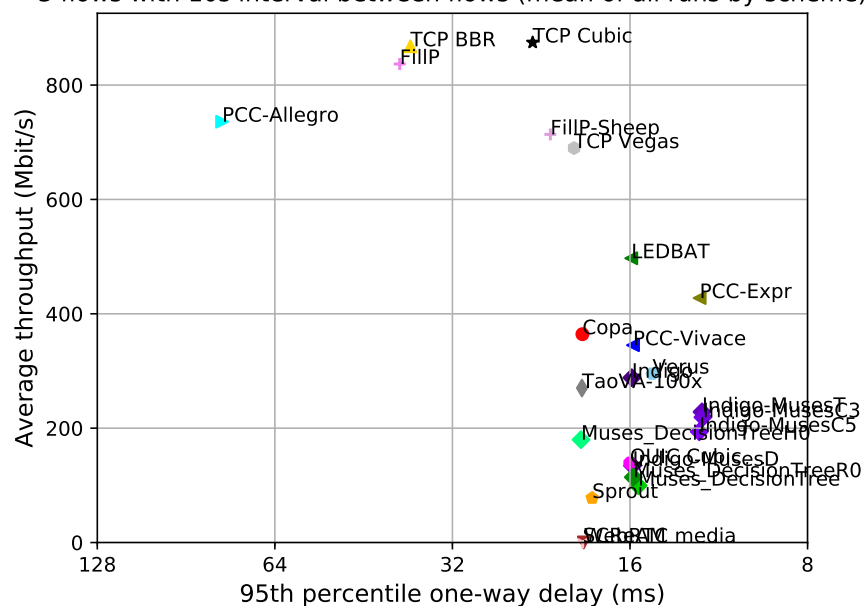
```
Linux 4.15.0-1051-aws
net.core.default_qdisc = fq
net.core.rmem_default = 16777216
net.core.rmem_max = 536870912
net.core.wmem_default = 16777216
net.core.wmem_max = 536870912
net.ipv4.tcp_rmem = 4096 16777216 536870912
net.ipv4.tcp_wmem = 4096 16777216 536870912
```

Git summary:

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

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

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



scheme	# runs	mean avg tput (Mbit/s)			mean 95th-%ile delay (ms)			mean loss rate (%)		
		flow 1	flow 2	flow 3	flow 1	flow 2	flow 3	flow 1	flow 2	flow 3
TCP BBR	5	491.04	401.50	328.50	36.86	34.30	17.97	0.34	0.47	0.22
Copa	5	219.75	165.30	104.51	8.44	11.99	15.56	0.02	0.03	0.13
TCP Cubic	5	526.15	367.02	312.58	13.41	21.67	14.90	0.02	0.10	0.16
FillP	5	517.10	379.88	202.40	34.34	33.16	25.21	0.07	0.12	0.09
FillP-Sheep	5	421.06	334.22	213.70	13.18	18.40	16.43	0.01	0.06	0.15
Indigo	5	156.20	139.60	119.43	8.46	12.09	4.91	0.02	0.06	0.05
Indigo-MusesC3	5	171.64	65.43	28.38	12.03	4.56	11.77	0.01	0.02	0.21
Indigo-MusesC5	5	139.81	70.45	39.81	8.66	11.98	4.54	0.01	0.05	0.04
Indigo-MusesD	5	85.21	54.46	59.47	4.77	15.85	8.18	0.01	0.08	0.12
Indigo-MusesT	5	177.79	66.75	37.89	12.05	4.60	8.40	0.01	0.02	0.16
LEDBAT	5	286.45	229.03	178.07	12.37	9.01	9.33	0.03	0.03	0.07
Muses_DecisionTree	5	77.94	22.72	20.76	11.95	8.17	4.44	0.02	0.03	0.06
Muses_DecisionTreeH0	5	153.74	25.97	28.64	15.50	8.23	4.75	0.02	0.02	0.06
Muses_DecisionTreeR0	5	102.84	13.03	9.29	15.80	4.60	8.22	0.01	0.03	0.10
PCC-Allegro	5	571.30	166.52	164.38	79.71	26.16	13.60	0.42	0.04	0.13
PCC-Expr	5	332.39	121.68	43.27	8.97	4.59	4.78	0.02	0.02	0.10
QUIC Cubic	5	75.18	67.83	55.94	4.75	12.07	11.99	0.01	0.06	0.16
SCReAM	5	0.22	0.22	0.22	12.21	4.74	8.17	0.08	0.04	0.21
Sprout	5	40.04	39.93	34.56	8.12	7.94	11.64	0.03	0.08	0.09
TaoVA-100x	5	199.82	75.13	61.41	19.19	8.25	8.15	0.03	0.03	0.08
TCP Vegas	5	331.78	401.86	272.60	12.78	15.92	16.43	0.04	0.06	0.14
Verus	5	167.70	126.87	130.40	12.06	9.51	13.09	0.01	0.03	0.16
PCC-Vivace	5	239.47	121.86	74.72	15.60	11.95	15.49	0.03	0.49	0.23
WebRTC media	5	0.05	0.05	0.05	8.29	19.22	4.54	0.00	0.00	0.00

Run 1: Statistics of TCP BBR

Start at: 2019-11-24 16:07:54

End at: 2019-11-24 16:08:24

Local clock offset: 2.799 ms

Remote clock offset: 0.917 ms

Below is generated by plot.py at 2019-11-24 18:59:35

Datalink statistics

-- Total of 3 flows:

Average throughput: 880.76 Mbit/s

95th percentile per-packet one-way delay: 44.845 ms

Loss rate: 0.44%

-- Flow 1:

Average throughput: 505.35 Mbit/s

95th percentile per-packet one-way delay: 41.824 ms

Loss rate: 0.37%

-- Flow 2:

Average throughput: 399.13 Mbit/s

95th percentile per-packet one-way delay: 62.119 ms

Loss rate: 0.73%

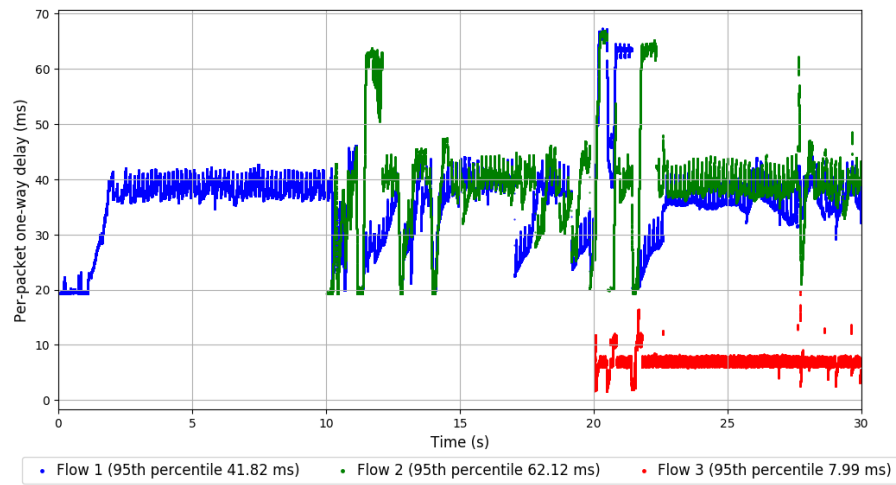
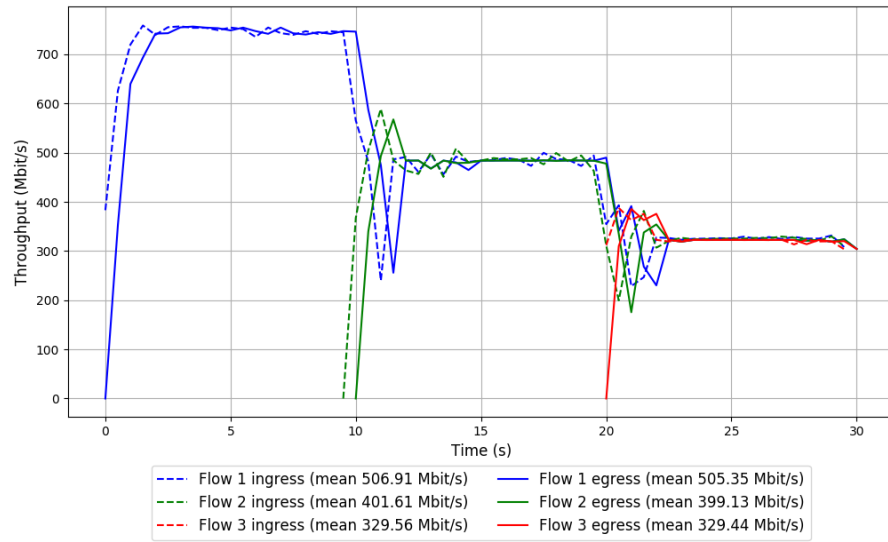
-- Flow 3:

Average throughput: 329.44 Mbit/s

95th percentile per-packet one-way delay: 7.991 ms

Loss rate: 0.06%

Run 1: Report of TCP BBR — Data Link

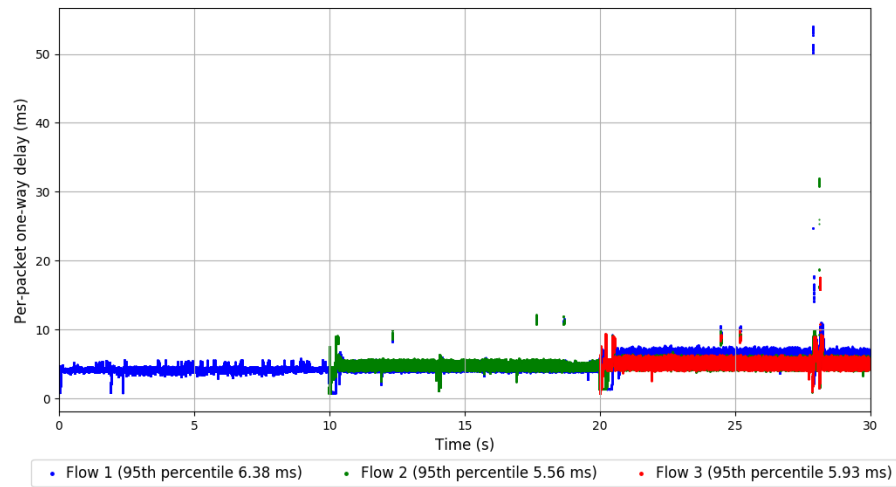
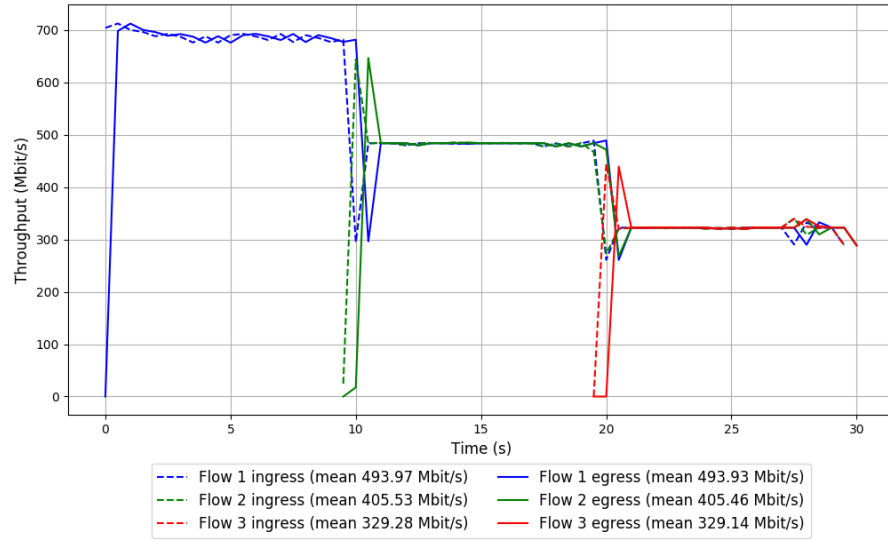


Run 2: Statistics of TCP BBR

Start at: 2019-11-24 16:42:33
End at: 2019-11-24 16:43:03
Local clock offset: 2.912 ms
Remote clock offset: -2.273 ms

Below is generated by plot.py at 2019-11-24 18:59:35
Datalink statistics
-- Total of 3 flows:
Average throughput: 873.67 Mbit/s
95th percentile per-packet one-way delay: 6.269 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 493.93 Mbit/s
95th percentile per-packet one-way delay: 6.385 ms
Loss rate: 0.02%
-- Flow 2:
Average throughput: 405.46 Mbit/s
95th percentile per-packet one-way delay: 5.564 ms
Loss rate: 0.03%
-- Flow 3:
Average throughput: 329.14 Mbit/s
95th percentile per-packet one-way delay: 5.933 ms
Loss rate: 0.06%

Run 2: Report of TCP BBR — Data Link



Run 3: Statistics of TCP BBR

Start at: 2019-11-24 17:16:57

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

Local clock offset: 3.755 ms

Remote clock offset: 0.888 ms

Below is generated by plot.py at 2019-11-24 18:59:35

Datalink statistics

-- Total of 3 flows:

Average throughput: 863.00 Mbit/s

95th percentile per-packet one-way delay: 48.284 ms

Loss rate: 0.53%

-- Flow 1:

Average throughput: 486.79 Mbit/s

95th percentile per-packet one-way delay: 48.379 ms

Loss rate: 0.48%

-- Flow 2:

Average throughput: 400.24 Mbit/s

95th percentile per-packet one-way delay: 54.816 ms

Loss rate: 0.79%

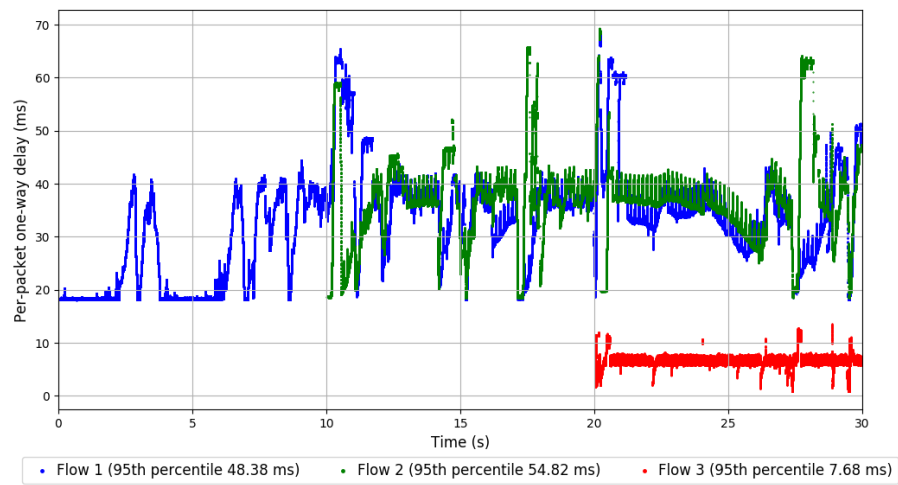
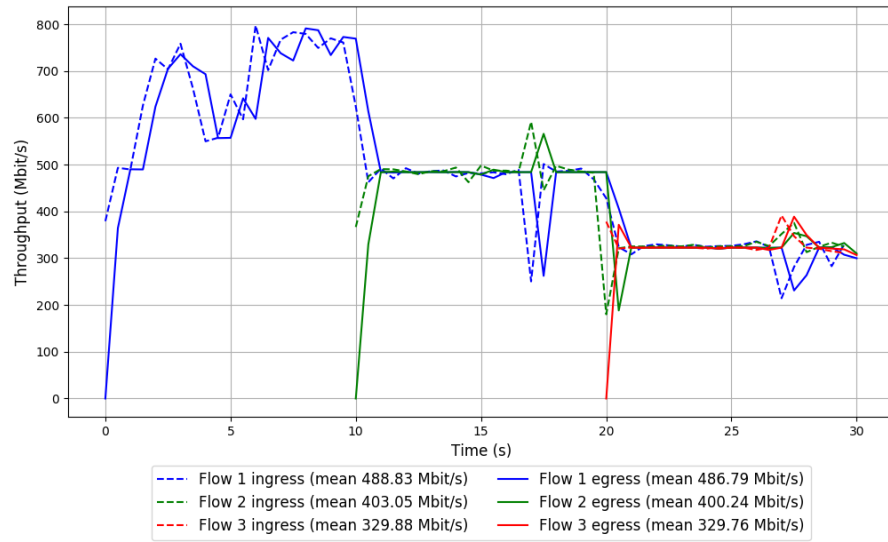
-- Flow 3:

Average throughput: 329.76 Mbit/s

95th percentile per-packet one-way delay: 7.676 ms

Loss rate: 0.07%

Run 3: Report of TCP BBR — Data Link

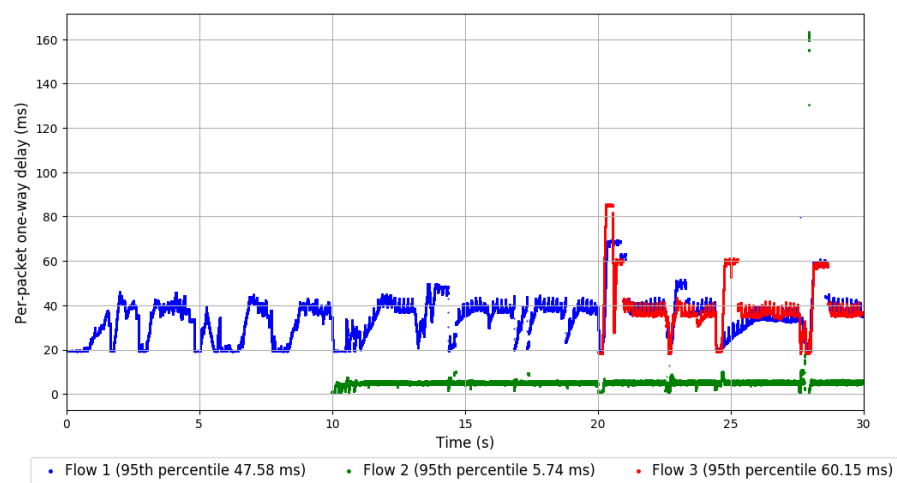
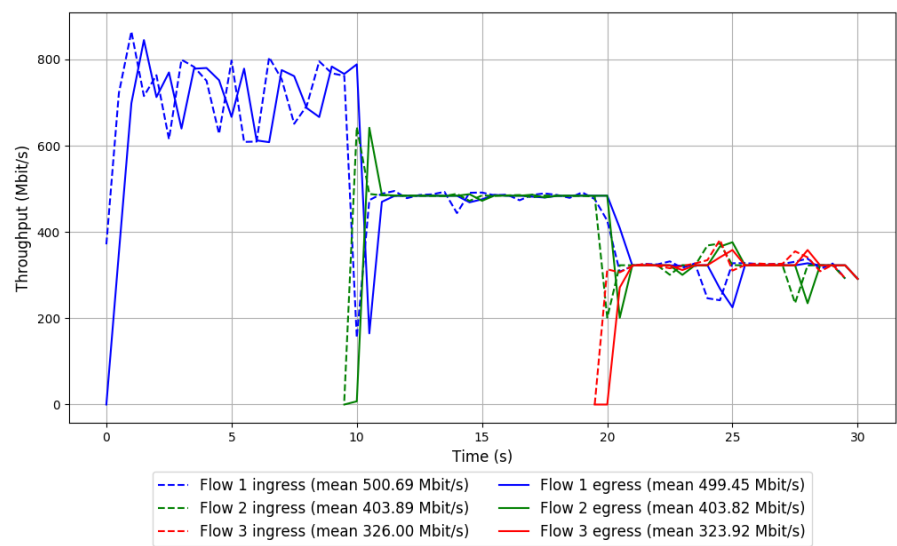


Run 4: Statistics of TCP BBR

Start at: 2019-11-24 17:51:42
End at: 2019-11-24 17:52:12
Local clock offset: 4.253 ms
Remote clock offset: -2.172 ms

Below is generated by plot.py at 2019-11-24 18:59:35
Datalink statistics
-- Total of 3 flows:
Average throughput: 876.52 Mbit/s
95th percentile per-packet one-way delay: 47.234 ms
Loss rate: 0.29%
-- Flow 1:
Average throughput: 499.45 Mbit/s
95th percentile per-packet one-way delay: 47.583 ms
Loss rate: 0.31%
-- Flow 2:
Average throughput: 403.82 Mbit/s
95th percentile per-packet one-way delay: 5.740 ms
Loss rate: 0.02%
-- Flow 3:
Average throughput: 323.92 Mbit/s
95th percentile per-packet one-way delay: 60.151 ms
Loss rate: 0.83%

Run 4: Report of TCP BBR — Data Link



Run 5: Statistics of TCP BBR

Start at: 2019-11-24 18:26:31

End at: 2019-11-24 18:27:01

Local clock offset: 4.258 ms

Remote clock offset: 0.426 ms

Below is generated by plot.py at 2019-11-24 18:59:35

Datalink statistics

-- Total of 3 flows:

Average throughput: 845.05 Mbit/s

95th percentile per-packet one-way delay: 41.871 ms

Loss rate: 0.56%

-- Flow 1:

Average throughput: 469.66 Mbit/s

95th percentile per-packet one-way delay: 40.131 ms

Loss rate: 0.54%

-- Flow 2:

Average throughput: 398.84 Mbit/s

95th percentile per-packet one-way delay: 43.281 ms

Loss rate: 0.79%

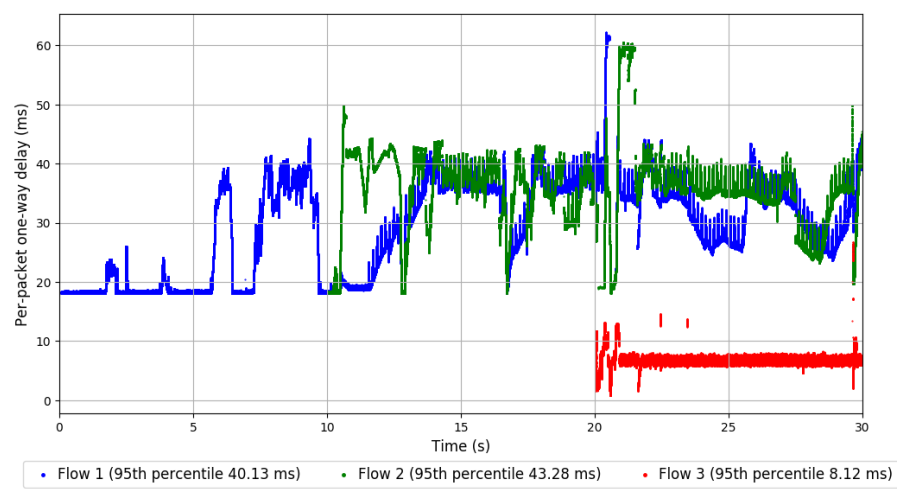
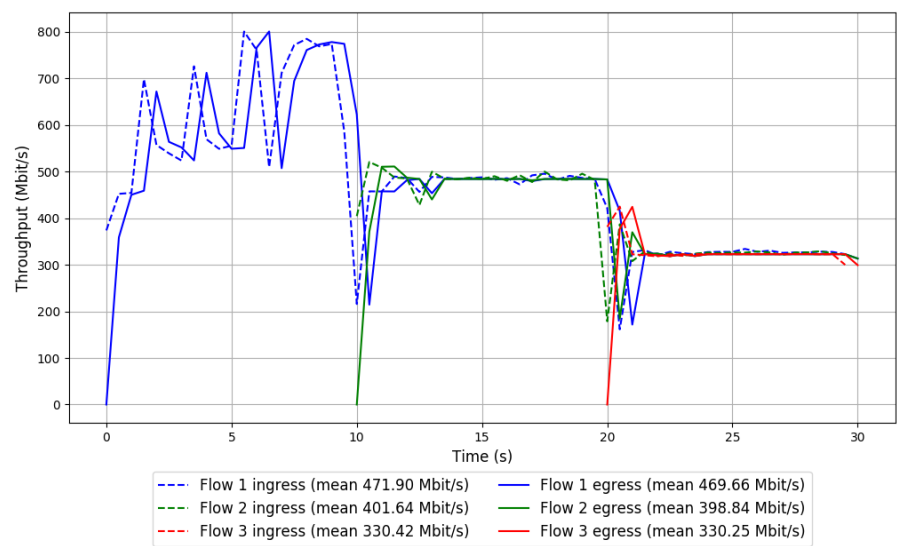
-- Flow 3:

Average throughput: 330.25 Mbit/s

95th percentile per-packet one-way delay: 8.123 ms

Loss rate: 0.07%

Run 5: Report of TCP BBR — Data Link



Run 1: Statistics of Copa

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

End at: 2019-11-24 16:10:10

Local clock offset: 2.832 ms

Remote clock offset: 1.097 ms

Below is generated by plot.py at 2019-11-24 18:59:35

Datalink statistics

-- Total of 3 flows:

Average throughput: 383.13 Mbit/s

95th percentile per-packet one-way delay: 19.146 ms

Loss rate: 0.02%

-- Flow 1:

Average throughput: 235.19 Mbit/s

95th percentile per-packet one-way delay: 1.421 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 166.88 Mbit/s

95th percentile per-packet one-way delay: 1.023 ms

Loss rate: 0.01%

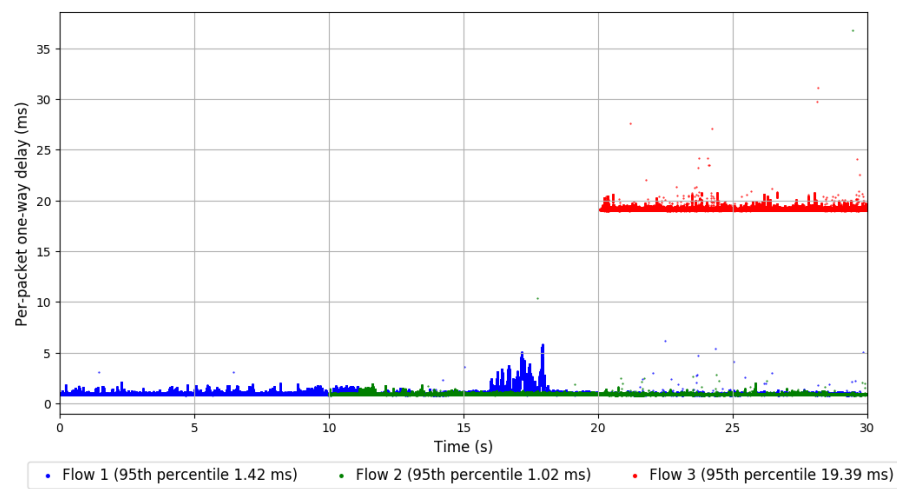
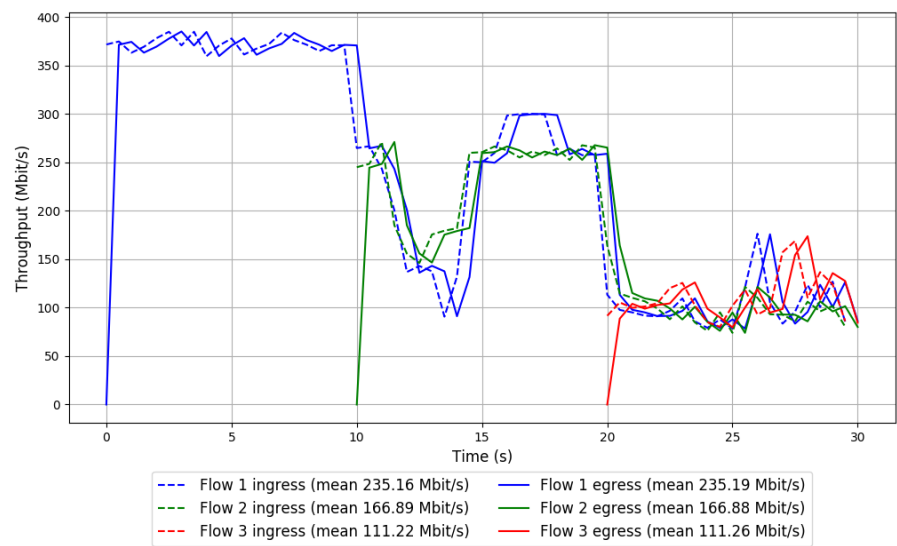
-- Flow 3:

Average throughput: 111.26 Mbit/s

95th percentile per-packet one-way delay: 19.395 ms

Loss rate: 0.16%

Run 1: Report of Copa — Data Link

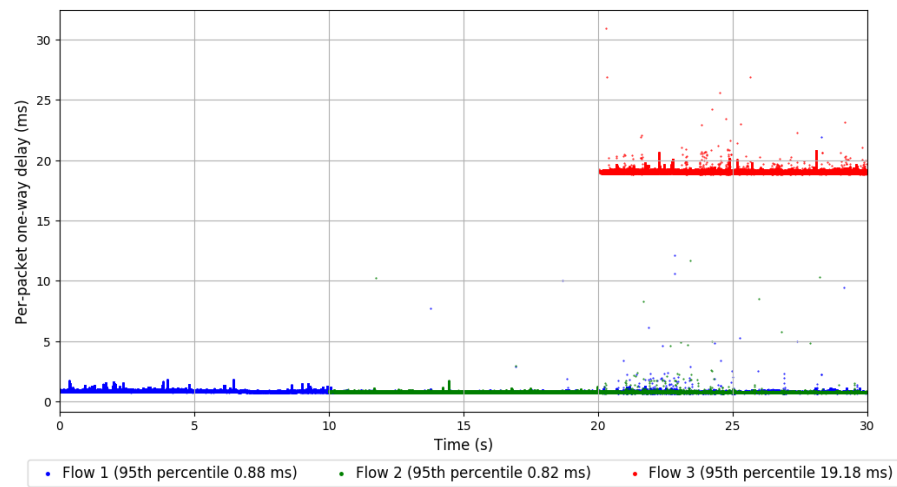
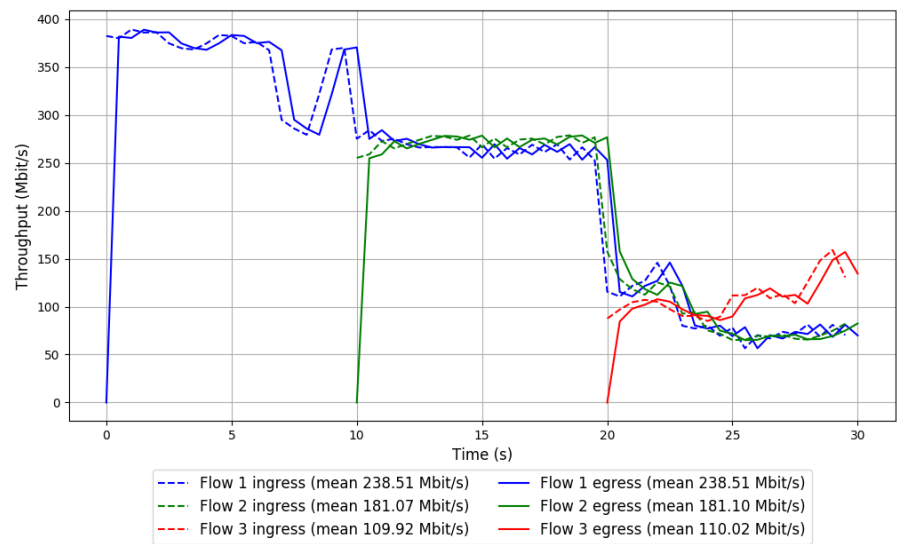


Run 2: Statistics of Copa

Start at: 2019-11-24 16:44:15
End at: 2019-11-24 16:44:45
Local clock offset: 3.021 ms
Remote clock offset: -2.407 ms

Below is generated by plot.py at 2019-11-24 18:59:35
Datalink statistics
-- Total of 3 flows:
Average throughput: 395.52 Mbit/s
95th percentile per-packet one-way delay: 19.010 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 238.51 Mbit/s
95th percentile per-packet one-way delay: 0.883 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 181.10 Mbit/s
95th percentile per-packet one-way delay: 0.817 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 110.02 Mbit/s
95th percentile per-packet one-way delay: 19.176 ms
Loss rate: 0.13%

Run 2: Report of Copa — Data Link



Run 3: Statistics of Copa

Start at: 2019-11-24 17:18:44

End at: 2019-11-24 17:19:14

Local clock offset: 3.795 ms

Remote clock offset: 1.106 ms

Below is generated by plot.py at 2019-11-24 18:59:35

Datalink statistics

-- Total of 3 flows:

Average throughput: 360.21 Mbit/s

95th percentile per-packet one-way delay: 19.464 ms

Loss rate: 0.06%

-- Flow 1:

Average throughput: 215.87 Mbit/s

95th percentile per-packet one-way delay: 19.506 ms

Loss rate: 0.04%

-- Flow 2:

Average throughput: 163.91 Mbit/s

95th percentile per-packet one-way delay: 19.266 ms

Loss rate: 0.05%

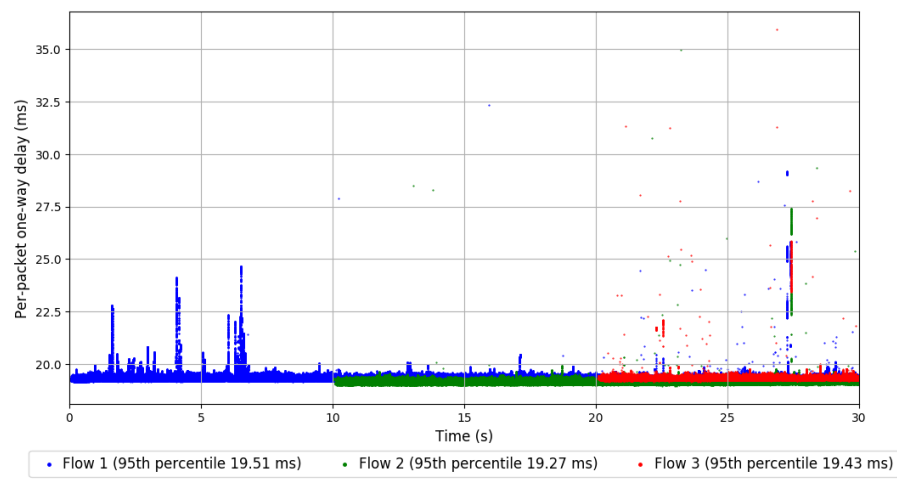
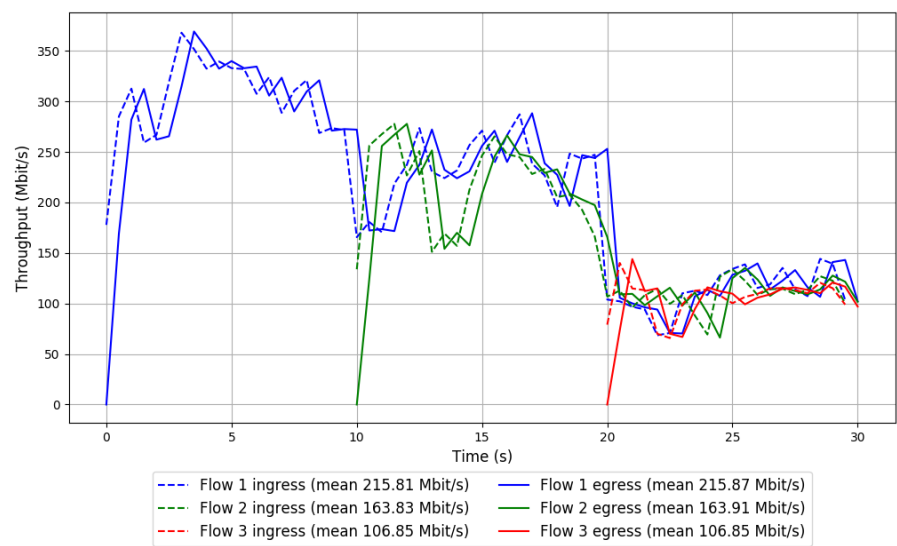
-- Flow 3:

Average throughput: 106.85 Mbit/s

95th percentile per-packet one-way delay: 19.428 ms

Loss rate: 0.22%

Run 3: Report of Copa — Data Link

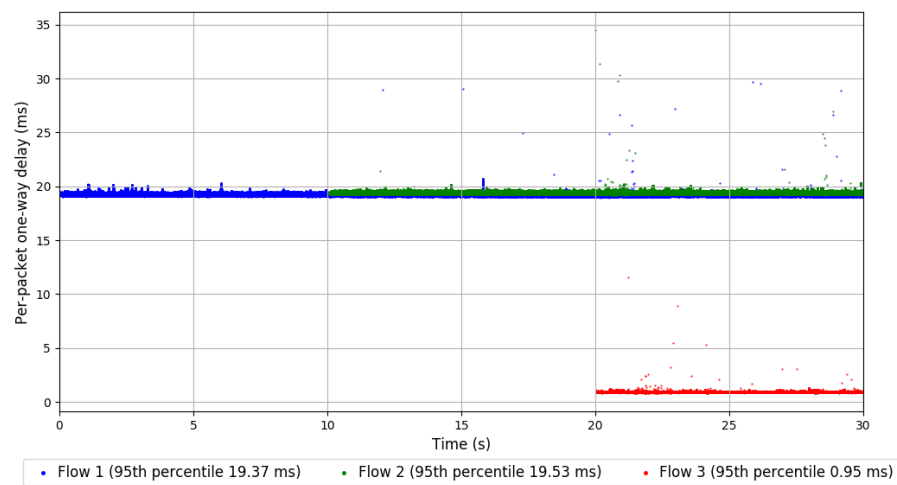
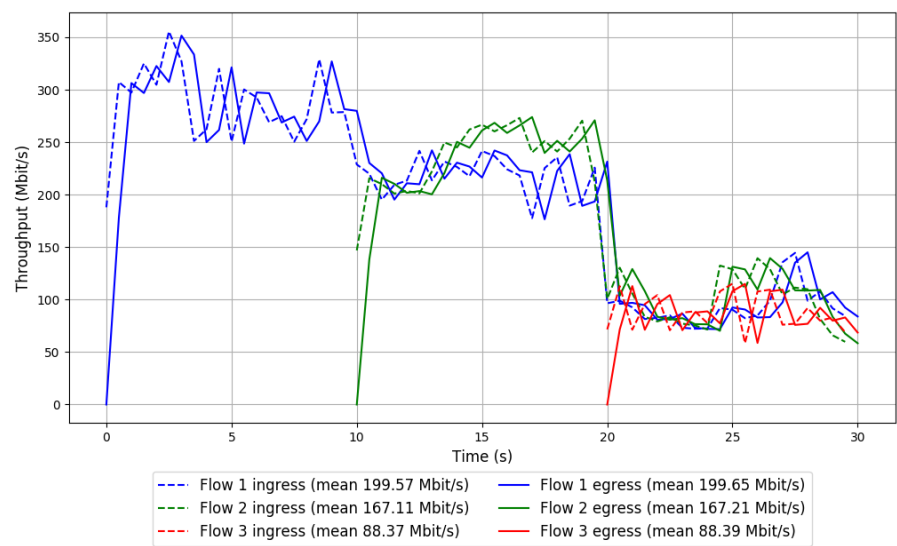


Run 4: Statistics of Copa

Start at: 2019-11-24 17:53:28
End at: 2019-11-24 17:53:58
Local clock offset: 4.28 ms
Remote clock offset: -2.328 ms

Below is generated by plot.py at 2019-11-24 19:03:59
Datalink statistics
-- Total of 3 flows:
Average throughput: 340.21 Mbit/s
95th percentile per-packet one-way delay: 19.475 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 199.65 Mbit/s
95th percentile per-packet one-way delay: 19.366 ms
Loss rate: 0.04%
-- Flow 2:
Average throughput: 167.21 Mbit/s
95th percentile per-packet one-way delay: 19.527 ms
Loss rate: 0.04%
-- Flow 3:
Average throughput: 88.39 Mbit/s
95th percentile per-packet one-way delay: 0.953 ms
Loss rate: 0.02%

Run 4: Report of Copa — Data Link



Run 5: Statistics of Copa

Start at: 2019-11-24 18:28:17

End at: 2019-11-24 18:28:47

Local clock offset: 4.241 ms

Remote clock offset: 0.531 ms

Below is generated by plot.py at 2019-11-24 19:04:28

Datalink statistics

-- Total of 3 flows:

Average throughput: 342.81 Mbit/s

95th percentile per-packet one-way delay: 19.233 ms

Loss rate: 0.03%

-- Flow 1:

Average throughput: 209.55 Mbit/s

95th percentile per-packet one-way delay: 1.010 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 147.39 Mbit/s

95th percentile per-packet one-way delay: 19.308 ms

Loss rate: 0.05%

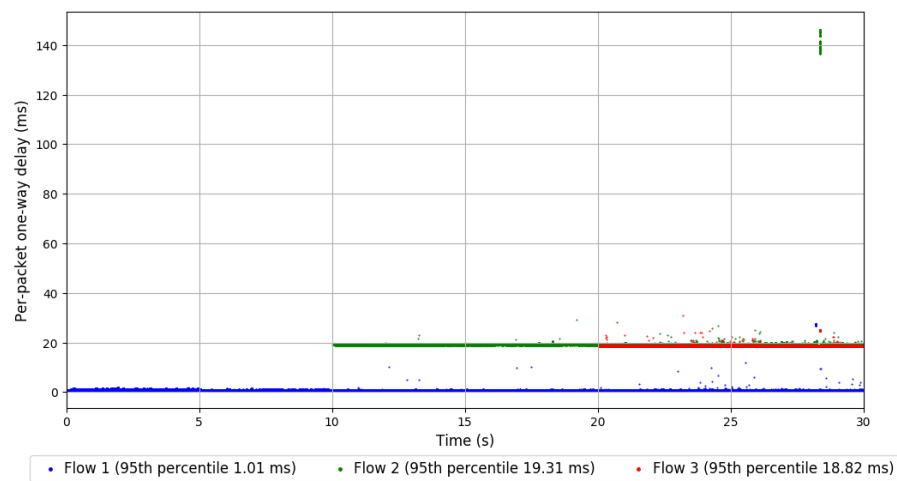
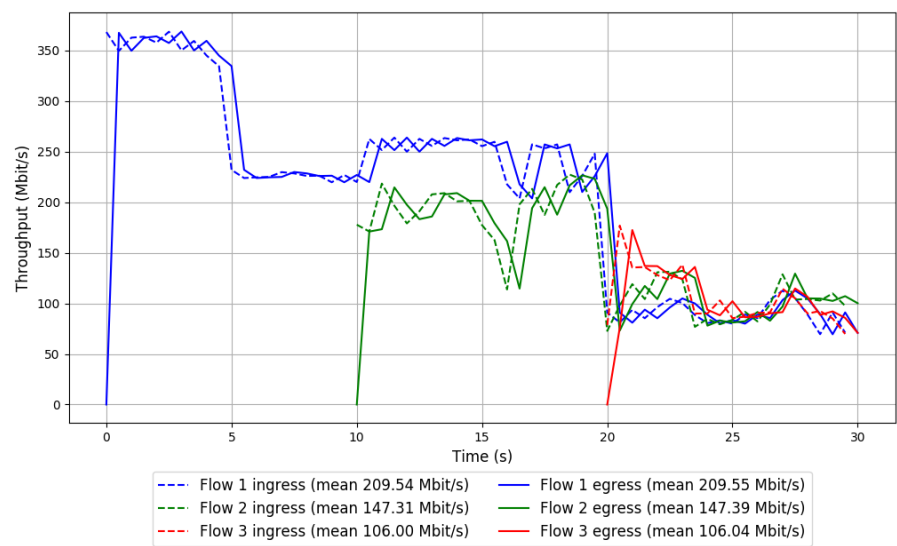
-- Flow 3:

Average throughput: 106.04 Mbit/s

95th percentile per-packet one-way delay: 18.825 ms

Loss rate: 0.10%

Run 5: Report of Copa — Data Link



Run 1: Statistics of TCP Cubic

Start at: 2019-11-24 15:54:47

End at: 2019-11-24 15:55:17

Local clock offset: 2.955 ms

Remote clock offset: 0.683 ms

Below is generated by plot.py at 2019-11-24 19:07:34

Datalink statistics

-- Total of 3 flows:

Average throughput: 874.49 Mbit/s

95th percentile per-packet one-way delay: 22.879 ms

Loss rate: 0.04%

-- Flow 1:

Average throughput: 496.27 Mbit/s

95th percentile per-packet one-way delay: 23.805 ms

Loss rate: 0.04%

-- Flow 2:

Average throughput: 406.01 Mbit/s

95th percentile per-packet one-way delay: 7.967 ms

Loss rate: 0.03%

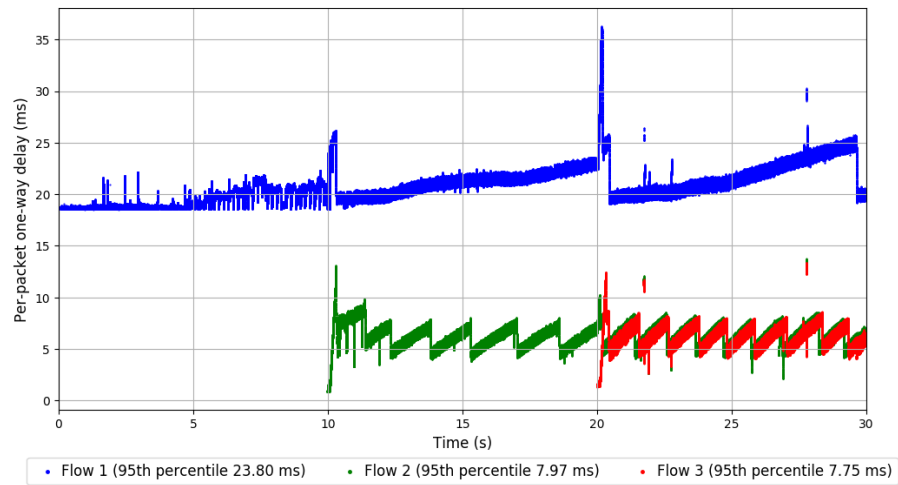
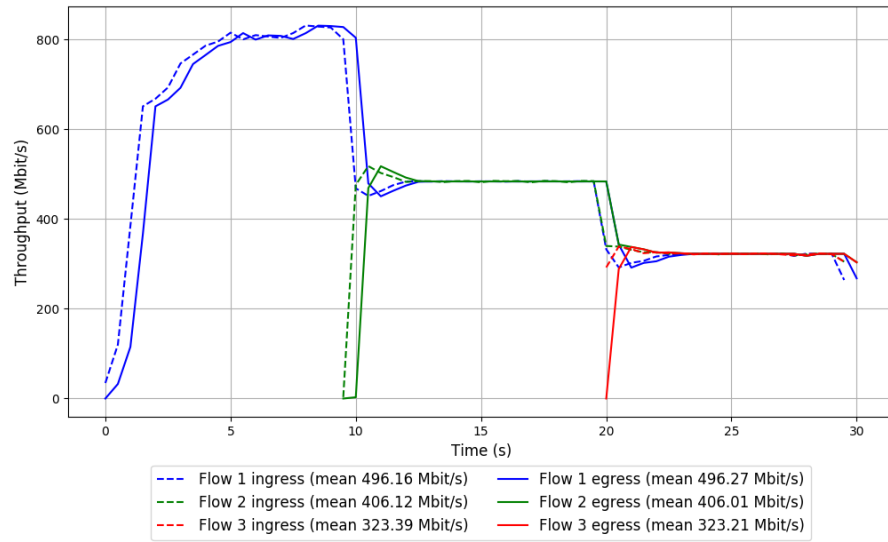
-- Flow 3:

Average throughput: 323.21 Mbit/s

95th percentile per-packet one-way delay: 7.752 ms

Loss rate: 0.08%

Run 1: Report of TCP Cubic — Data Link



Run 2: Statistics of TCP Cubic

Start at: 2019-11-24 16:29:41

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

Local clock offset: 2.746 ms

Remote clock offset: 0.357 ms

Below is generated by plot.py at 2019-11-24 19:08:34

Datalink statistics

-- Total of 3 flows:

Average throughput: 878.83 Mbit/s

95th percentile per-packet one-way delay: 23.998 ms

Loss rate: 0.07%

-- Flow 1:

Average throughput: 529.05 Mbit/s

95th percentile per-packet one-way delay: 9.860 ms

Loss rate: 0.01%

-- Flow 2:

Average throughput: 379.52 Mbit/s

95th percentile per-packet one-way delay: 25.489 ms

Loss rate: 0.11%

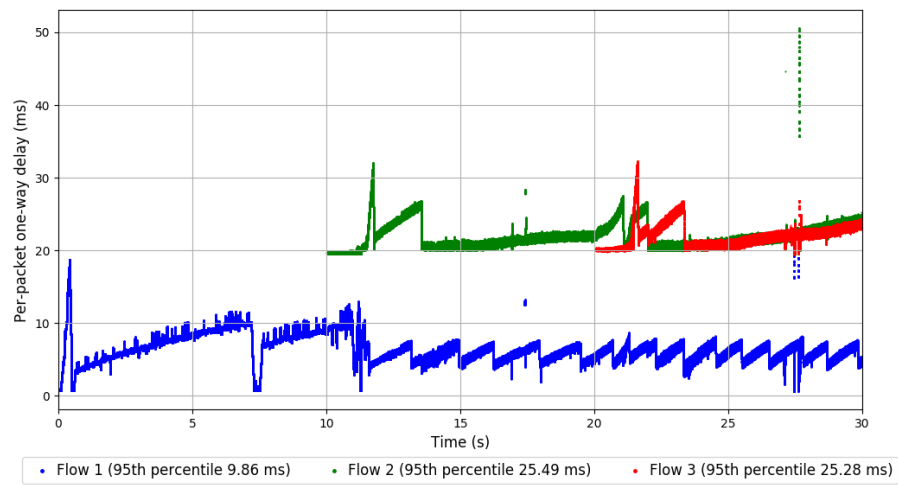
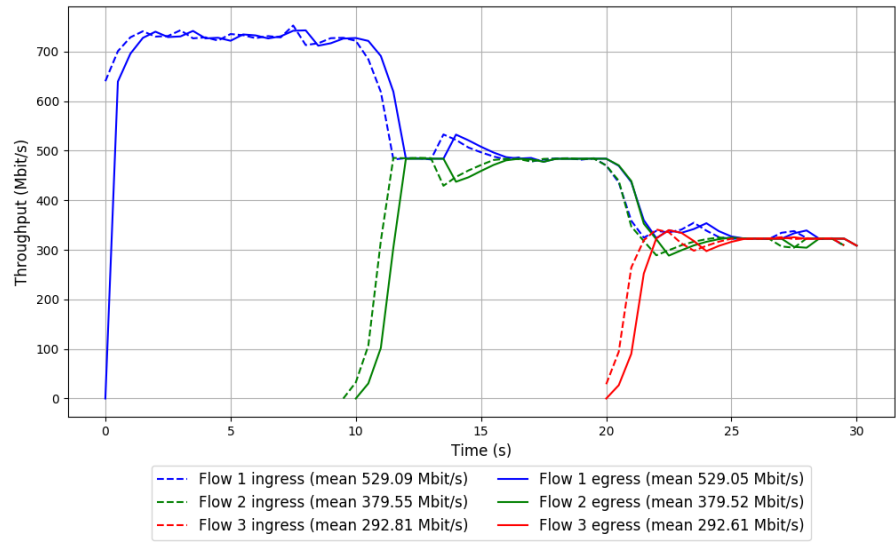
-- Flow 3:

Average throughput: 292.61 Mbit/s

95th percentile per-packet one-way delay: 25.280 ms

Loss rate: 0.27%

Run 2: Report of TCP Cubic — Data Link

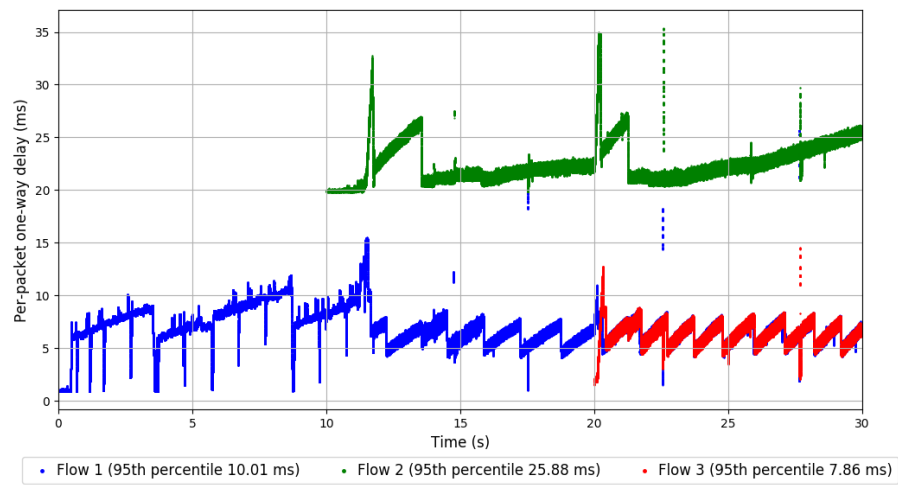
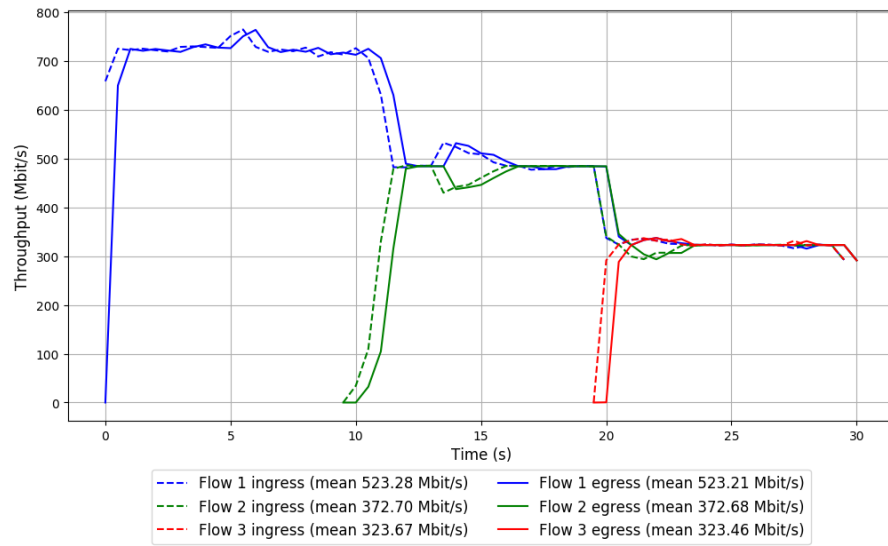


Run 3: Statistics of TCP Cubic

Start at: 2019-11-24 17:03:52
End at: 2019-11-24 17:04:22
Local clock offset: 3.56 ms
Remote clock offset: -1.828 ms

Below is generated by plot.py at 2019-11-24 19:08:48
Datalink statistics
-- Total of 3 flows:
Average throughput: 879.04 Mbit/s
95th percentile per-packet one-way delay: 24.401 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 523.21 Mbit/s
95th percentile per-packet one-way delay: 10.005 ms
Loss rate: 0.02%
-- Flow 2:
Average throughput: 372.68 Mbit/s
95th percentile per-packet one-way delay: 25.883 ms
Loss rate: 0.11%
-- Flow 3:
Average throughput: 323.46 Mbit/s
95th percentile per-packet one-way delay: 7.859 ms
Loss rate: 0.08%

Run 3: Report of TCP Cubic — Data Link



Run 4: Statistics of TCP Cubic

Start at: 2019-11-24 17:38:42

End at: 2019-11-24 17:39:12

Local clock offset: 4.013 ms

Remote clock offset: 0.642 ms

Below is generated by plot.py at 2019-11-24 19:08:48

Datalink statistics

-- Total of 3 flows:

Average throughput: 871.18 Mbit/s

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

Loss rate: 0.07%

-- Flow 1:

Average throughput: 528.55 Mbit/s

95th percentile per-packet one-way delay: 11.177 ms

Loss rate: 0.01%

-- Flow 2:

Average throughput: 366.43 Mbit/s

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

Loss rate: 0.11%

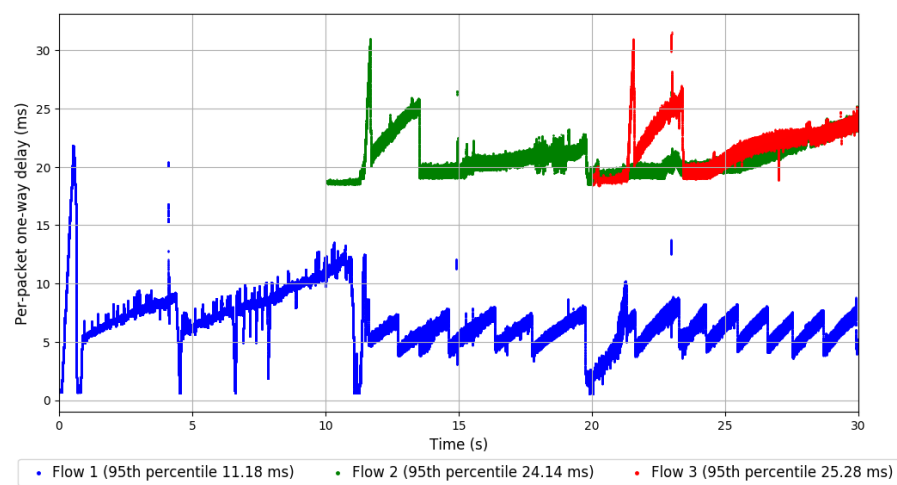
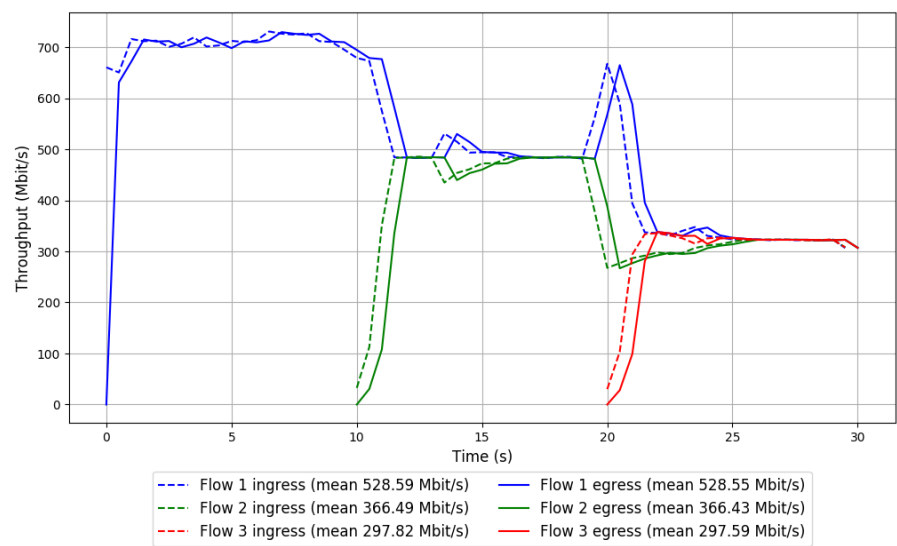
-- Flow 3:

Average throughput: 297.59 Mbit/s

95th percentile per-packet one-way delay: 25.284 ms

Loss rate: 0.28%

Run 4: Report of TCP Cubic — Data Link

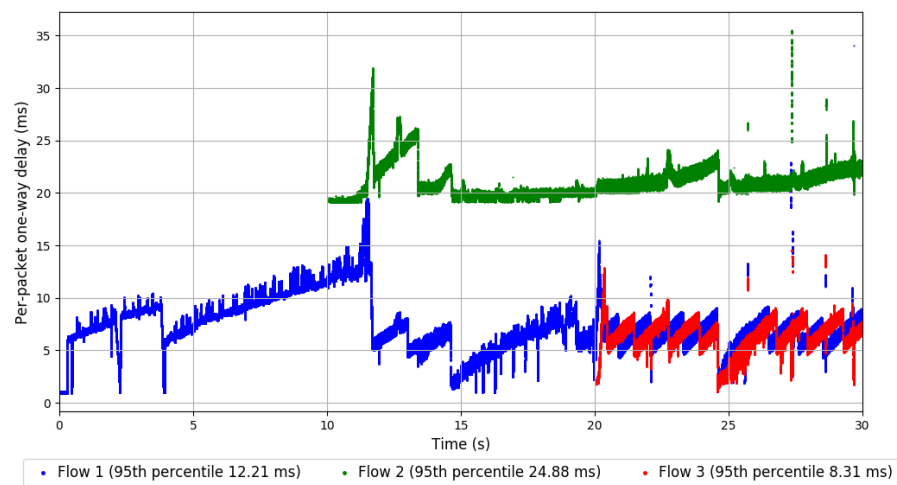
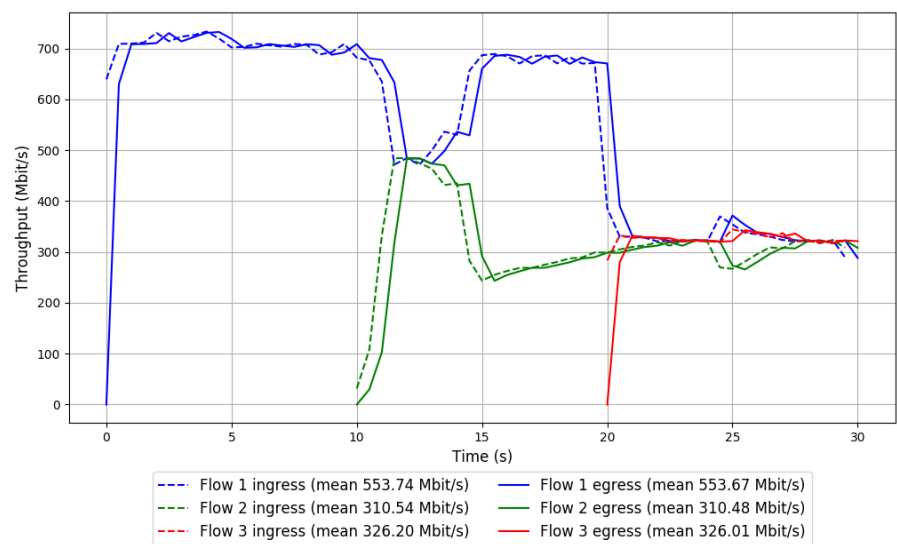


Run 5: Statistics of TCP Cubic

Start at: 2019-11-24 18:13:28
End at: 2019-11-24 18:13:58
Local clock offset: 4.358 ms
Remote clock offset: -1.522 ms

Below is generated by plot.py at 2019-11-24 19:08:48
Datalink statistics
-- Total of 3 flows:
Average throughput: 868.63 Mbit/s
95th percentile per-packet one-way delay: 22.254 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 553.67 Mbit/s
95th percentile per-packet one-way delay: 12.215 ms
Loss rate: 0.02%
-- Flow 2:
Average throughput: 310.48 Mbit/s
95th percentile per-packet one-way delay: 24.876 ms
Loss rate: 0.12%
-- Flow 3:
Average throughput: 326.01 Mbit/s
95th percentile per-packet one-way delay: 8.313 ms
Loss rate: 0.09%

Run 5: Report of TCP Cubic — Data Link



Run 1: Statistics of FillP

Start at: 2019-11-24 16:11:18

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

Local clock offset: 2.807 ms

Remote clock offset: 1.135 ms

Below is generated by plot.py at 2019-11-24 19:11:55

Datalink statistics

-- Total of 3 flows:

Average throughput: 922.21 Mbit/s

95th percentile per-packet one-way delay: 58.997 ms

Loss rate: 0.20%

-- Flow 1:

Average throughput: 587.24 Mbit/s

95th percentile per-packet one-way delay: 60.848 ms

Loss rate: 0.14%

-- Flow 2:

Average throughput: 423.75 Mbit/s

95th percentile per-packet one-way delay: 49.968 ms

Loss rate: 0.36%

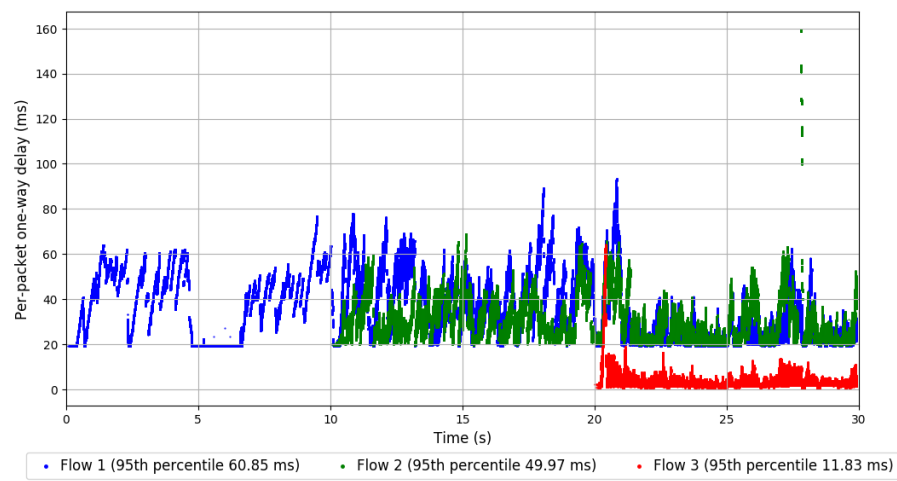
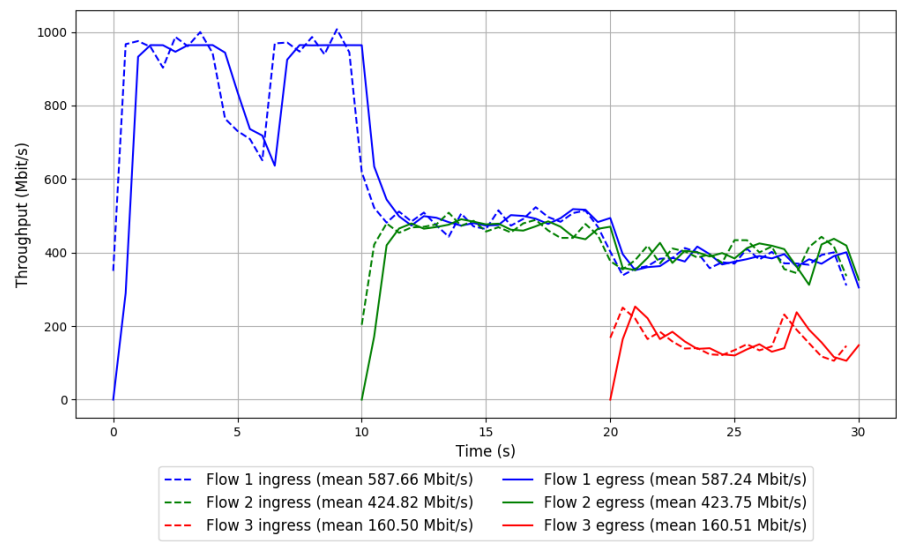
-- Flow 3:

Average throughput: 160.51 Mbit/s

95th percentile per-packet one-way delay: 11.831 ms

Loss rate: 0.00%

Run 1: Report of FillP — Data Link

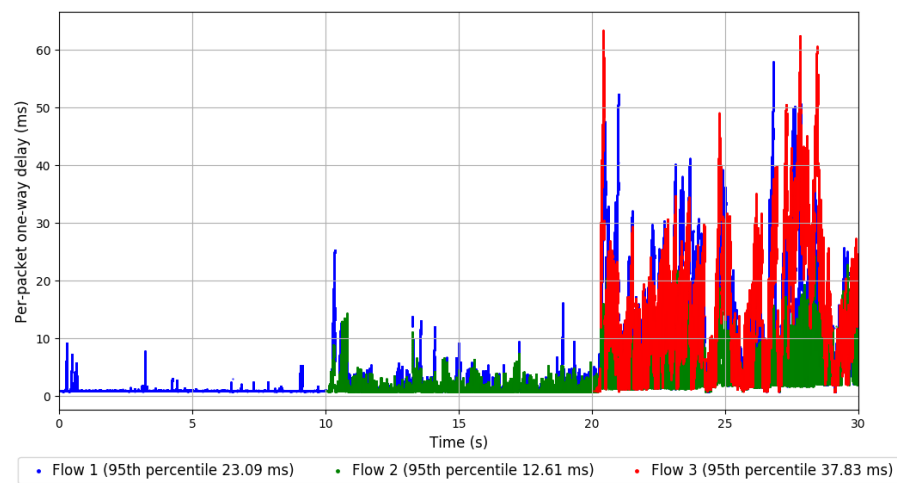
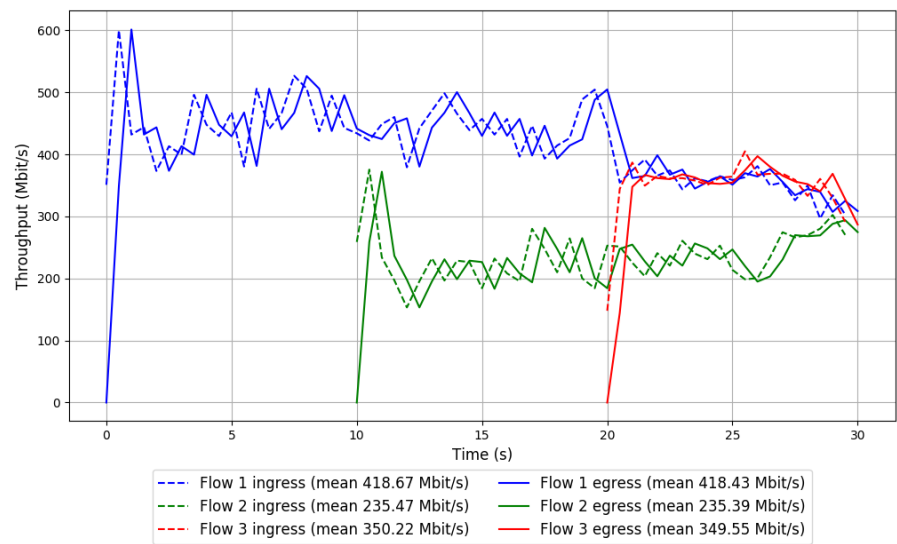


Run 2: Statistics of FillP

Start at: 2019-11-24 16:45:53
End at: 2019-11-24 16:46:23
Local clock offset: 3.11 ms
Remote clock offset: -2.551 ms

Below is generated by plot.py at 2019-11-24 19:13:52
Datalink statistics
-- Total of 3 flows:
Average throughput: 690.69 Mbit/s
95th percentile per-packet one-way delay: 26.189 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 418.43 Mbit/s
95th percentile per-packet one-way delay: 23.087 ms
Loss rate: 0.04%
-- Flow 2:
Average throughput: 235.39 Mbit/s
95th percentile per-packet one-way delay: 12.609 ms
Loss rate: 0.04%
-- Flow 3:
Average throughput: 349.55 Mbit/s
95th percentile per-packet one-way delay: 37.834 ms
Loss rate: 0.21%

Run 2: Report of FillP — Data Link



Run 3: Statistics of FillP

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

End at: 2019-11-24 17:20:50

Local clock offset: 3.809 ms

Remote clock offset: 1.191 ms

Below is generated by plot.py at 2019-11-24 19:16:52

Datalink statistics

-- Total of 3 flows:

Average throughput: 864.80 Mbit/s

95th percentile per-packet one-way delay: 42.017 ms

Loss rate: 0.06%

-- Flow 1:

Average throughput: 555.50 Mbit/s

95th percentile per-packet one-way delay: 44.579 ms

Loss rate: 0.07%

-- Flow 2:

Average throughput: 418.75 Mbit/s

95th percentile per-packet one-way delay: 30.625 ms

Loss rate: 0.03%

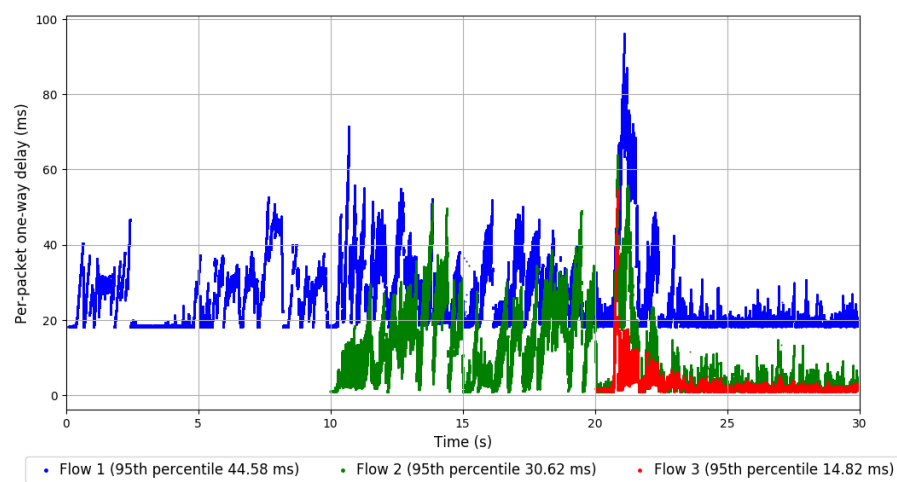
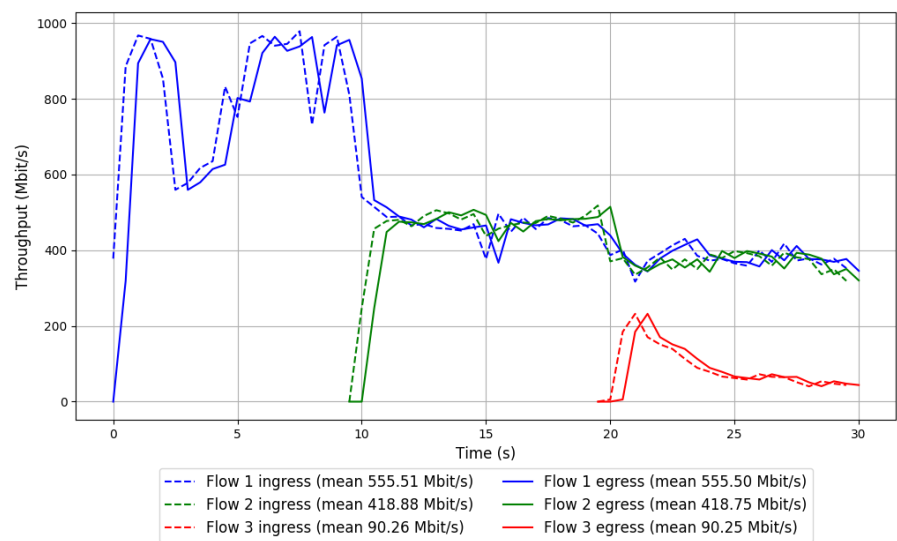
-- Flow 3:

Average throughput: 90.25 Mbit/s

95th percentile per-packet one-way delay: 14.821 ms

Loss rate: 0.00%

Run 3: Report of FillP — Data Link



Run 4: Statistics of FillP

Start at: 2019-11-24 17:55:02

End at: 2019-11-24 17:55:32

Local clock offset: 4.273 ms

Remote clock offset: -2.46 ms

Below is generated by plot.py at 2019-11-24 19:20:24

Datalink statistics

-- Total of 3 flows:

Average throughput: 937.70 Mbit/s

95th percentile per-packet one-way delay: 39.895 ms

Loss rate: 0.11%

-- Flow 1:

Average throughput: 571.51 Mbit/s

95th percentile per-packet one-way delay: 29.754 ms

Loss rate: 0.08%

-- Flow 2:

Average throughput: 397.62 Mbit/s

95th percentile per-packet one-way delay: 38.302 ms

Loss rate: 0.11%

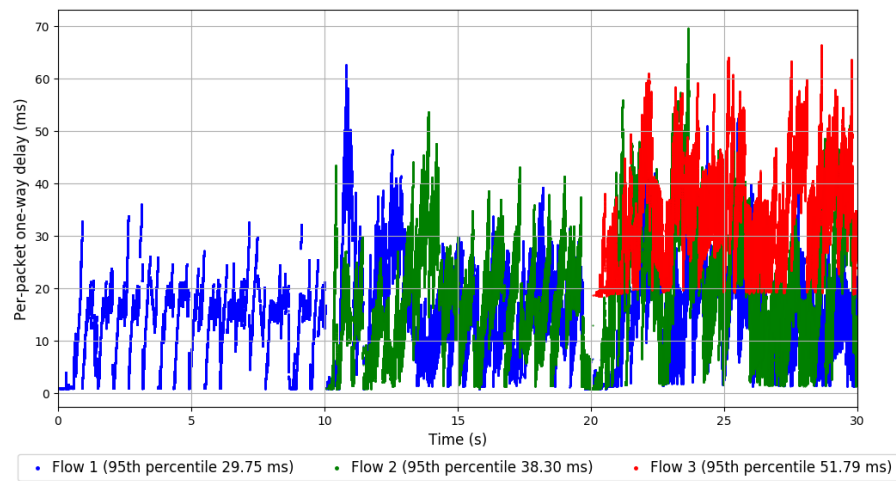
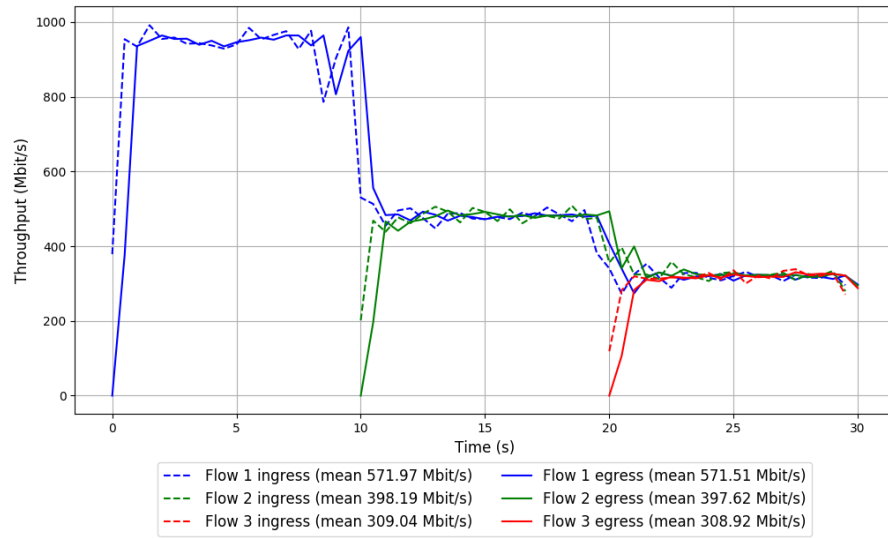
-- Flow 3:

Average throughput: 308.92 Mbit/s

95th percentile per-packet one-way delay: 51.790 ms

Loss rate: 0.23%

Run 4: Report of FillP — Data Link



Run 5: Statistics of FillP

Start at: 2019-11-24 18:29:52

End at: 2019-11-24 18:30:22

Local clock offset: 4.255 ms

Remote clock offset: 0.646 ms

Below is generated by plot.py at 2019-11-24 19:20:24

Datalink statistics

-- Total of 3 flows:

Average throughput: 768.88 Mbit/s

95th percentile per-packet one-way delay: 29.427 ms

Loss rate: 0.04%

-- Flow 1:

Average throughput: 452.81 Mbit/s

95th percentile per-packet one-way delay: 13.417 ms

Loss rate: 0.02%

-- Flow 2:

Average throughput: 423.90 Mbit/s

95th percentile per-packet one-way delay: 34.311 ms

Loss rate: 0.06%

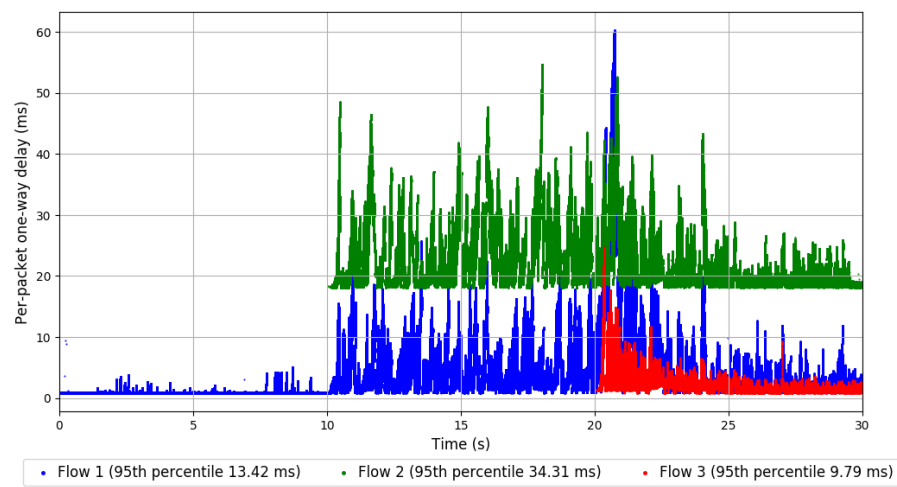
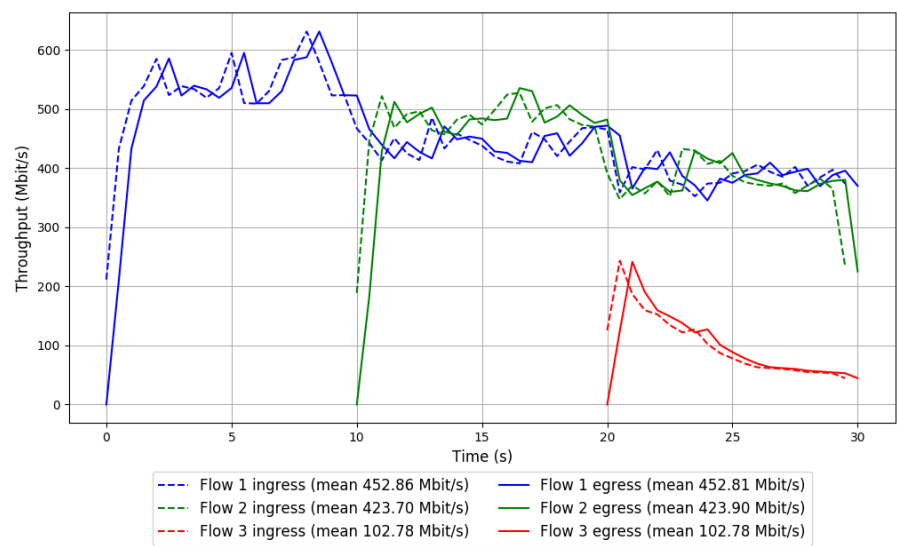
-- Flow 3:

Average throughput: 102.78 Mbit/s

95th percentile per-packet one-way delay: 9.789 ms

Loss rate: 0.00%

Run 5: Report of FillP — Data Link



Run 1: Statistics of FillP-Sheep

Start at: 2019-11-24 16:06:19

End at: 2019-11-24 16:06:49

Local clock offset: 2.832 ms

Remote clock offset: 0.863 ms

Below is generated by plot.py at 2019-11-24 19:20:24

Datalink statistics

-- Total of 3 flows:

Average throughput: 783.89 Mbit/s

95th percentile per-packet one-way delay: 24.714 ms

Loss rate: 0.05%

-- Flow 1:

Average throughput: 379.66 Mbit/s

95th percentile per-packet one-way delay: 8.669 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 438.14 Mbit/s

95th percentile per-packet one-way delay: 28.475 ms

Loss rate: 0.07%

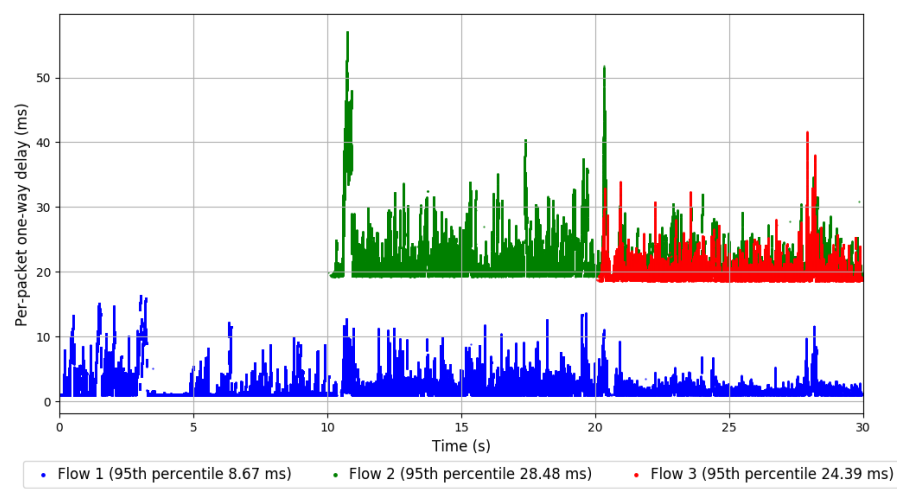
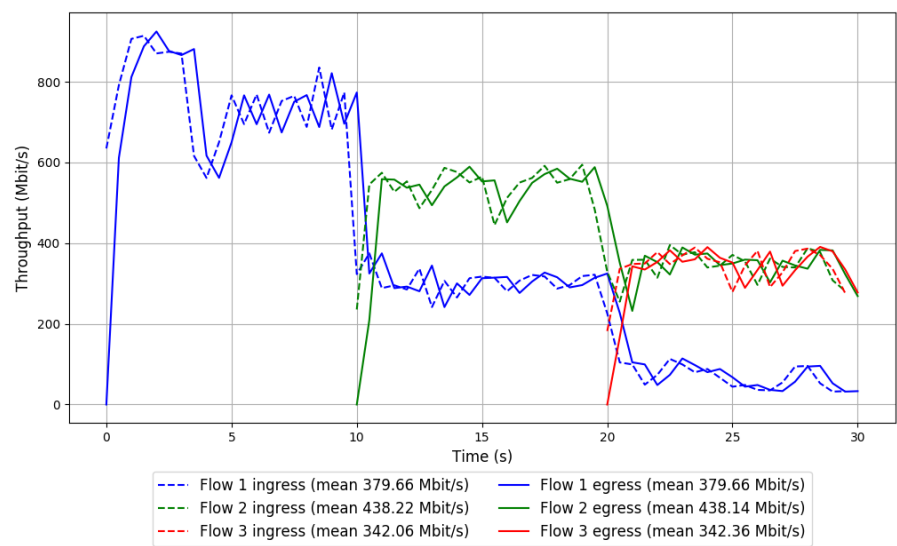
-- Flow 3:

Average throughput: 342.36 Mbit/s

95th percentile per-packet one-way delay: 24.393 ms

Loss rate: 0.15%

Run 1: Report of FillP-Sheep — Data Link

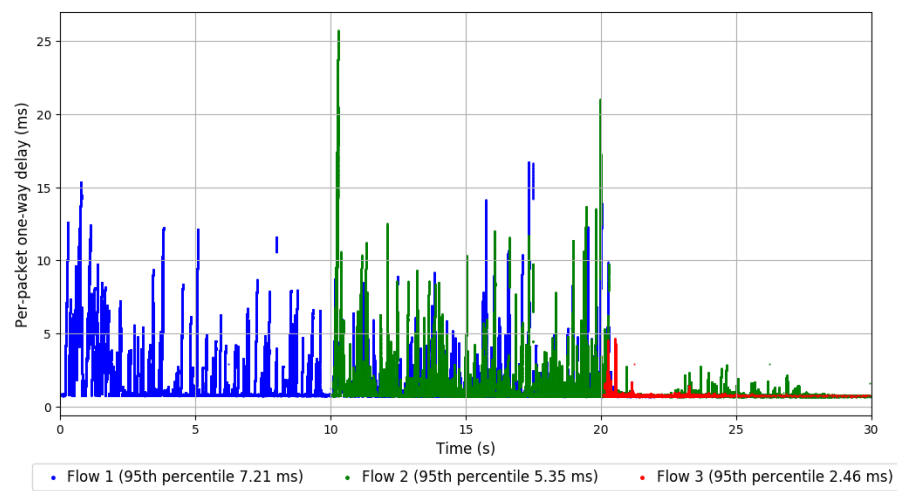
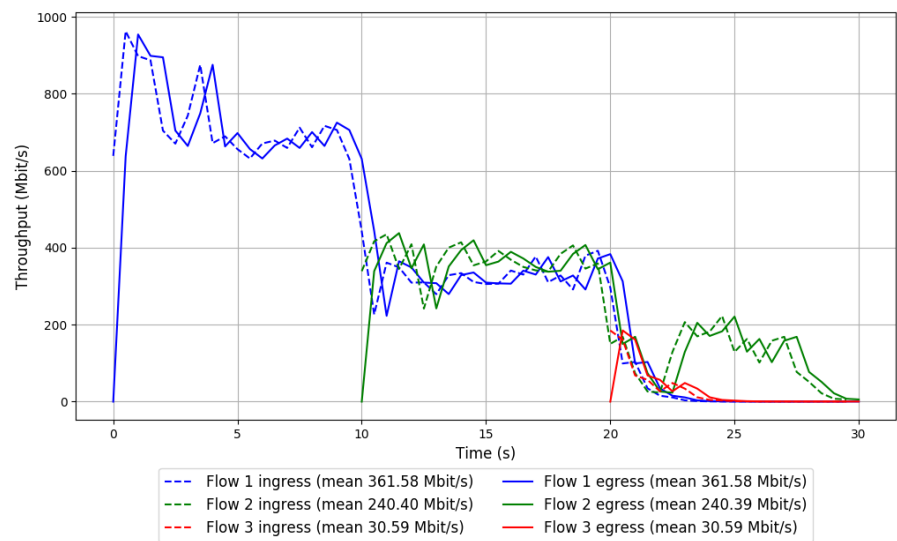


Run 2: Statistics of FillP-Sheep

Start at: 2019-11-24 16:41:05
End at: 2019-11-24 16:41:35
Local clock offset: 2.837 ms
Remote clock offset: -2.111 ms

Below is generated by plot.py at 2019-11-24 19:20:24
Datalink statistics
-- Total of 3 flows:
Average throughput: 531.58 Mbit/s
95th percentile per-packet one-way delay: 6.729 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 361.58 Mbit/s
95th percentile per-packet one-way delay: 7.210 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 240.39 Mbit/s
95th percentile per-packet one-way delay: 5.347 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 30.59 Mbit/s
95th percentile per-packet one-way delay: 2.457 ms
Loss rate: 0.00%

Run 2: Report of FillP-Sheep — Data Link



Run 3: Statistics of FillP-Sheep

Start at: 2019-11-24 17:15:22

End at: 2019-11-24 17:15:52

Local clock offset: 3.718 ms

Remote clock offset: 0.64 ms

Below is generated by plot.py at 2019-11-24 19:20:24

Datalink statistics

-- Total of 3 flows:

Average throughput: 788.26 Mbit/s

95th percentile per-packet one-way delay: 31.773 ms

Loss rate: 0.07%

-- Flow 1:

Average throughput: 564.97 Mbit/s

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

Loss rate: 0.03%

-- Flow 2:

Average throughput: 169.34 Mbit/s

95th percentile per-packet one-way delay: 5.959 ms

Loss rate: 0.00%

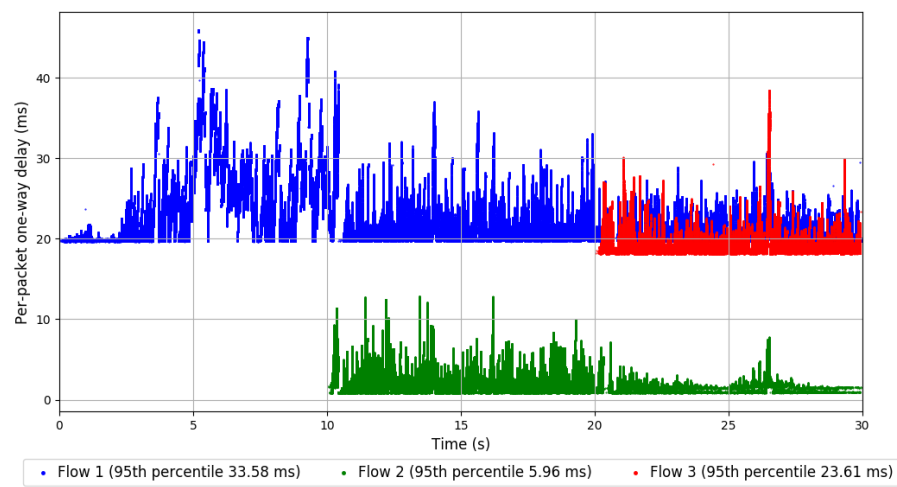
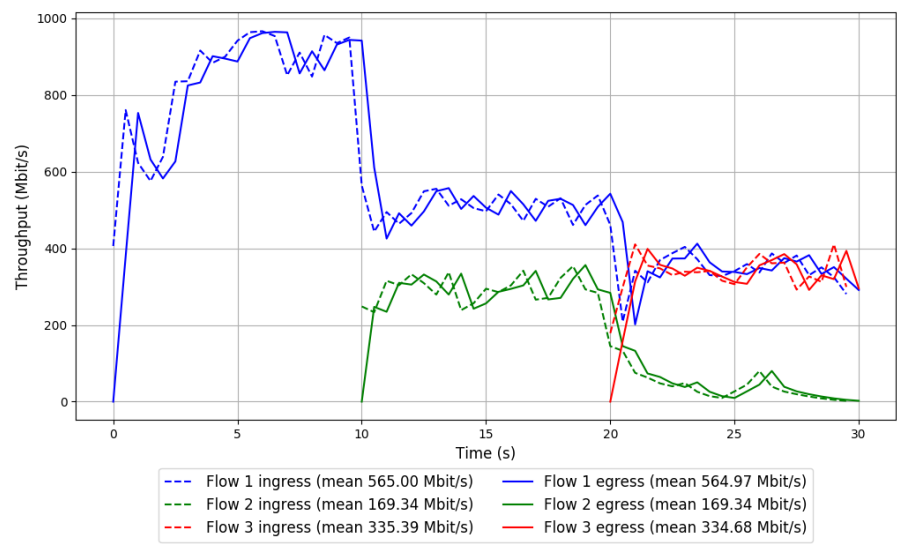
-- Flow 3:

Average throughput: 334.68 Mbit/s

95th percentile per-packet one-way delay: 23.609 ms

Loss rate: 0.34%

Run 3: Report of FillP-Sheep — Data Link

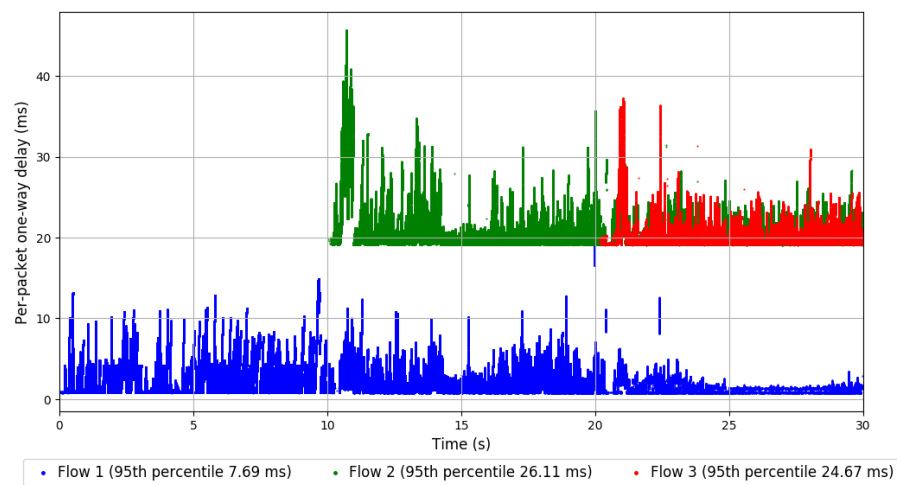
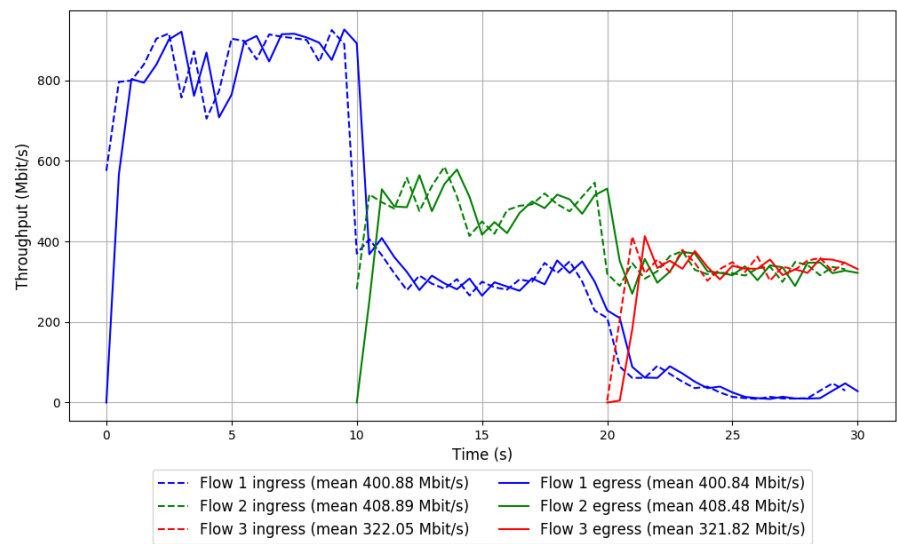


Run 4: Statistics of FillP-Sheep

Start at: 2019-11-24 17:50:08
End at: 2019-11-24 17:50:38
Local clock offset: 4.208 ms
Remote clock offset: -1.951 ms

Below is generated by plot.py at 2019-11-24 19:23:29
Datalink statistics
-- Total of 3 flows:
Average throughput: 778.46 Mbit/s
95th percentile per-packet one-way delay: 23.287 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 400.84 Mbit/s
95th percentile per-packet one-way delay: 7.690 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 408.48 Mbit/s
95th percentile per-packet one-way delay: 26.114 ms
Loss rate: 0.18%
-- Flow 3:
Average throughput: 321.82 Mbit/s
95th percentile per-packet one-way delay: 24.668 ms
Loss rate: 0.27%

Run 4: Report of FillP-Sheep — Data Link



Run 5: Statistics of FillP-Sheep

Start at: 2019-11-24 18:24:59

End at: 2019-11-24 18:25:29

Local clock offset: 4.254 ms

Remote clock offset: 0.163 ms

Below is generated by plot.py at 2019-11-24 19:24:03

Datalink statistics

-- Total of 3 flows:

Average throughput: 686.43 Mbit/s

95th percentile per-packet one-way delay: 22.662 ms

Loss rate: 0.02%

-- Flow 1:

Average throughput: 398.24 Mbit/s

95th percentile per-packet one-way delay: 8.735 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 414.73 Mbit/s

95th percentile per-packet one-way delay: 26.113 ms

Loss rate: 0.05%

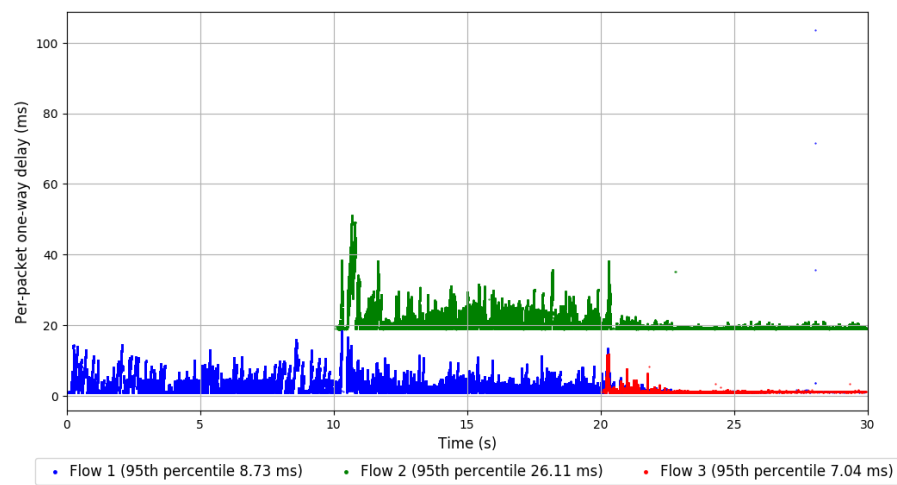
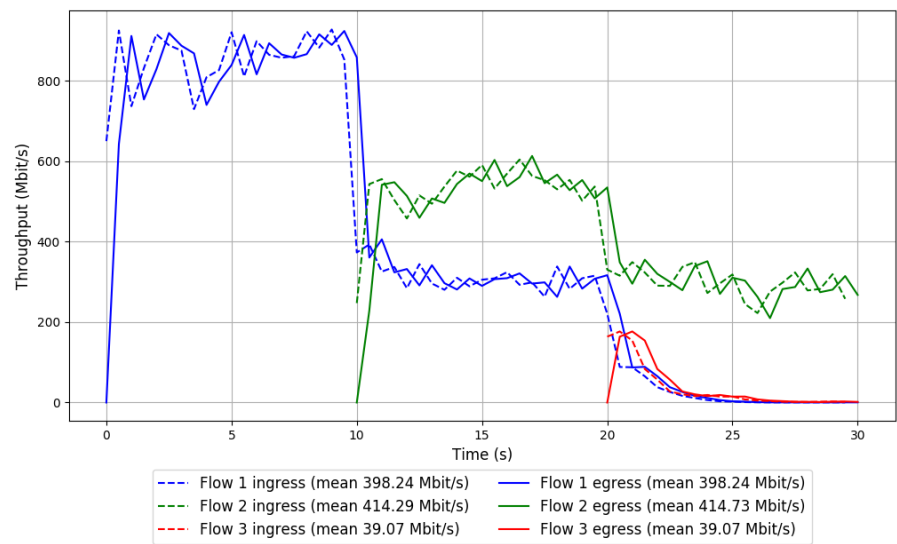
-- Flow 3:

Average throughput: 39.07 Mbit/s

95th percentile per-packet one-way delay: 7.043 ms

Loss rate: 0.00%

Run 5: Report of FillP-Sheep — Data Link



Run 1: Statistics of Indigo

Start at: 2019-11-24 16:03:18

End at: 2019-11-24 16:03:48

Local clock offset: 2.864 ms

Remote clock offset: 0.825 ms

Below is generated by plot.py at 2019-11-24 19:24:03

Datalink statistics

-- Total of 3 flows:

Average throughput: 290.75 Mbit/s

95th percentile per-packet one-way delay: 19.075 ms

Loss rate: 0.06%

-- Flow 1:

Average throughput: 153.22 Mbit/s

95th percentile per-packet one-way delay: 19.064 ms

Loss rate: 0.05%

-- Flow 2:

Average throughput: 143.78 Mbit/s

95th percentile per-packet one-way delay: 19.128 ms

Loss rate: 0.09%

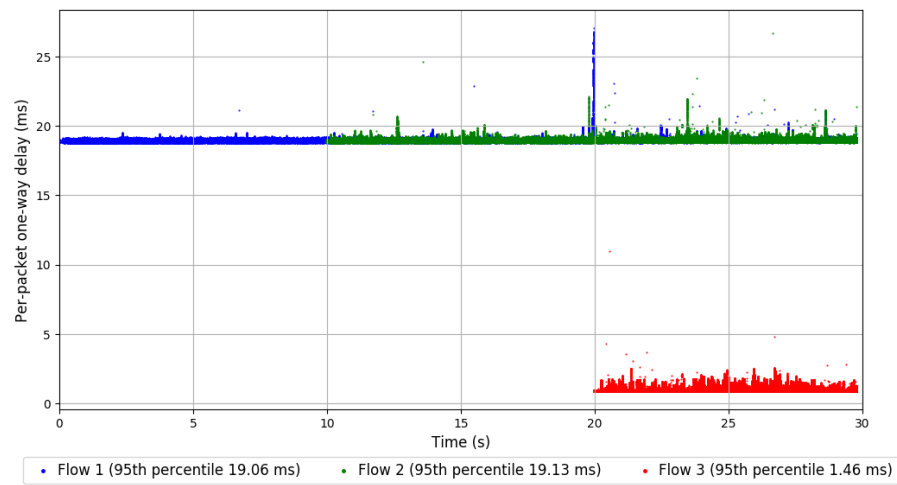
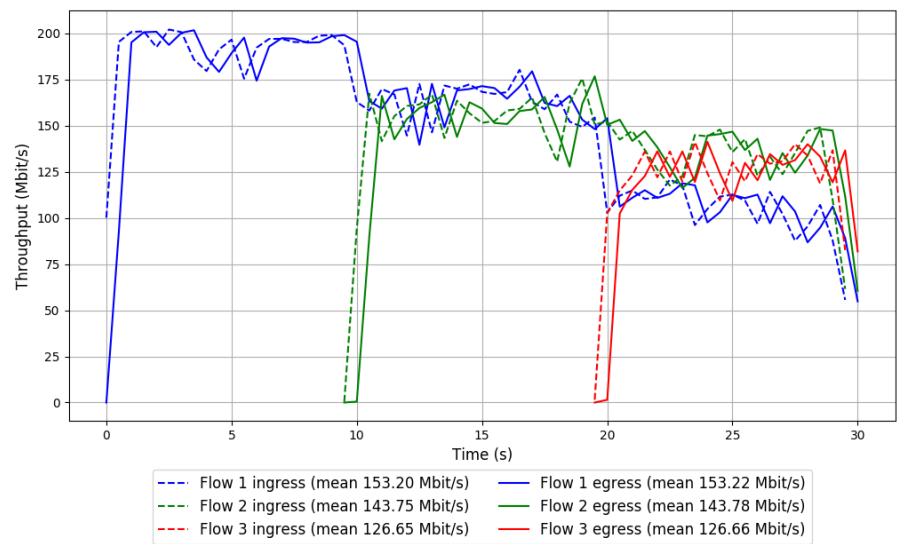
-- Flow 3:

Average throughput: 126.66 Mbit/s

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

Loss rate: 0.04%

Run 1: Report of Indigo — Data Link

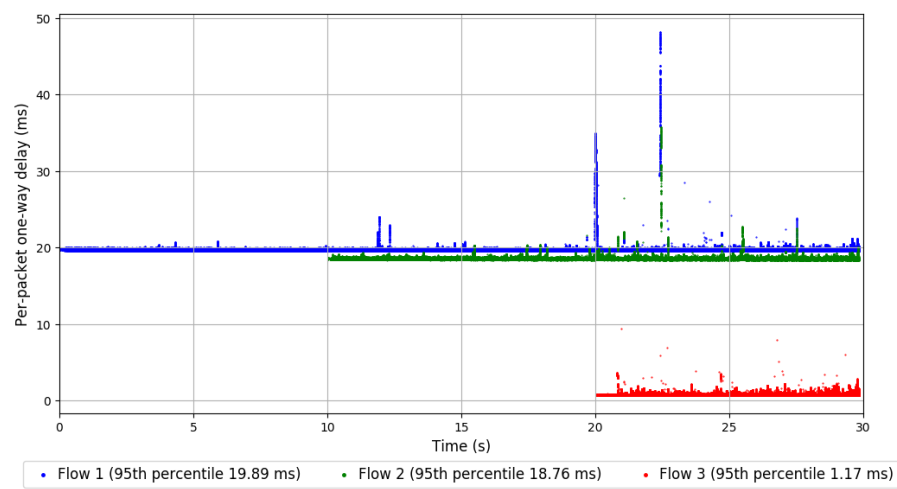
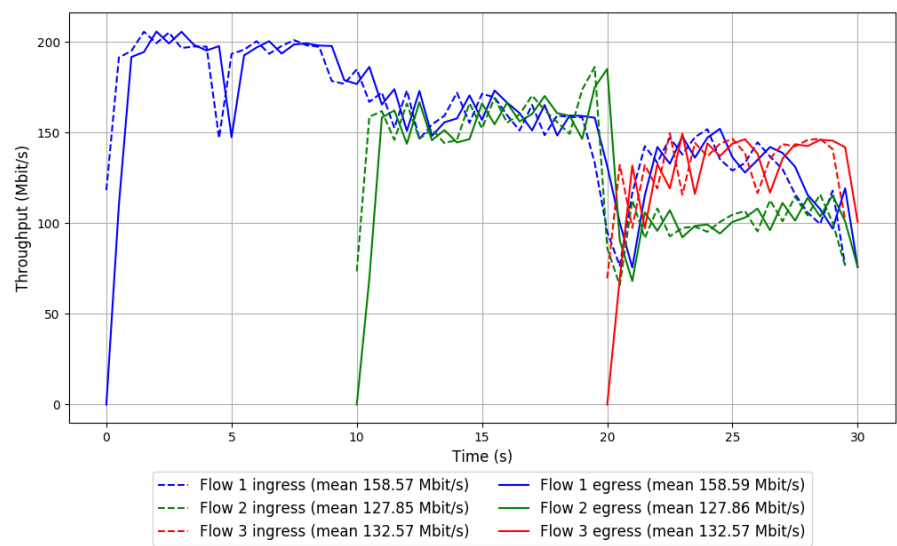


Run 2: Statistics of Indigo

Start at: 2019-11-24 16:38:03
End at: 2019-11-24 16:38:33
Local clock offset: 2.716 ms
Remote clock offset: -1.725 ms

Below is generated by plot.py at 2019-11-24 19:24:03
Datalink statistics
-- Total of 3 flows:
Average throughput: 287.08 Mbit/s
95th percentile per-packet one-way delay: 19.854 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 158.59 Mbit/s
95th percentile per-packet one-way delay: 19.890 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 127.86 Mbit/s
95th percentile per-packet one-way delay: 18.758 ms
Loss rate: 0.10%
-- Flow 3:
Average throughput: 132.57 Mbit/s
95th percentile per-packet one-way delay: 1.168 ms
Loss rate: 0.03%

Run 2: Report of Indigo — Data Link



Run 3: Statistics of Indigo

Start at: 2019-11-24 17:12:22

End at: 2019-11-24 17:12:52

Local clock offset: 3.68 ms

Remote clock offset: 0.091 ms

Below is generated by plot.py at 2019-11-24 19:24:03

Datalink statistics

-- Total of 3 flows:

Average throughput: 295.60 Mbit/s

95th percentile per-packet one-way delay: 1.252 ms

Loss rate: 0.01%

-- Flow 1:

Average throughput: 156.90 Mbit/s

95th percentile per-packet one-way delay: 1.219 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 146.65 Mbit/s

95th percentile per-packet one-way delay: 1.337 ms

Loss rate: 0.01%

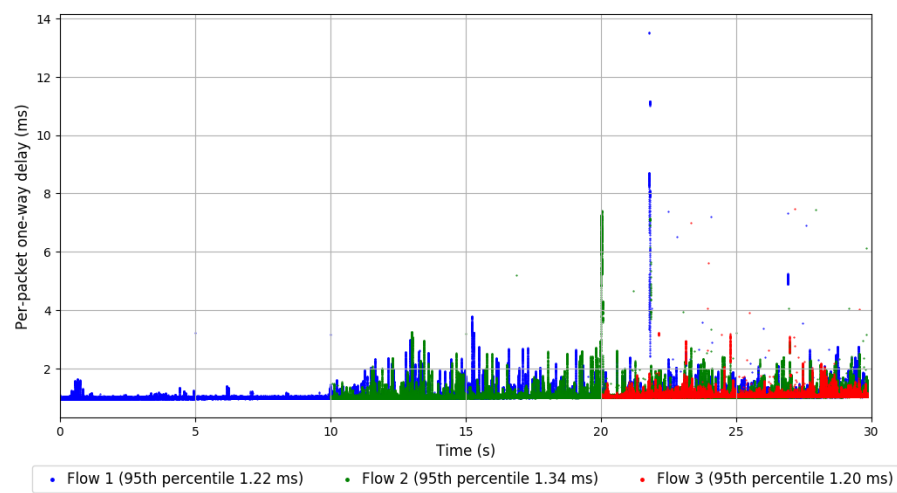
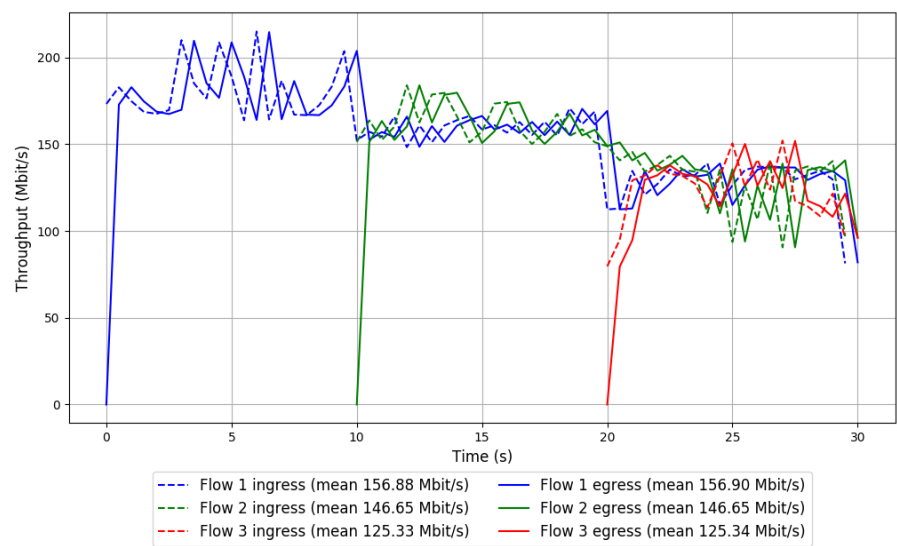
-- Flow 3:

Average throughput: 125.34 Mbit/s

95th percentile per-packet one-way delay: 1.202 ms

Loss rate: 0.02%

Run 3: Report of Indigo — Data Link

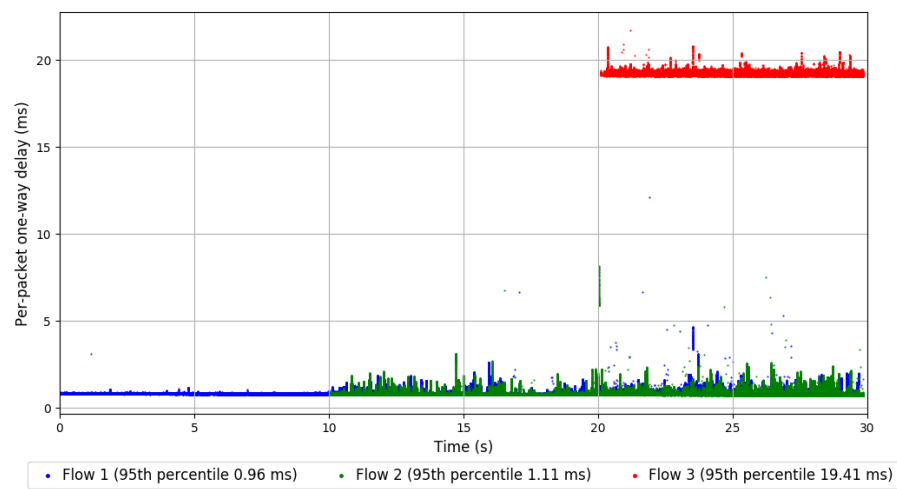
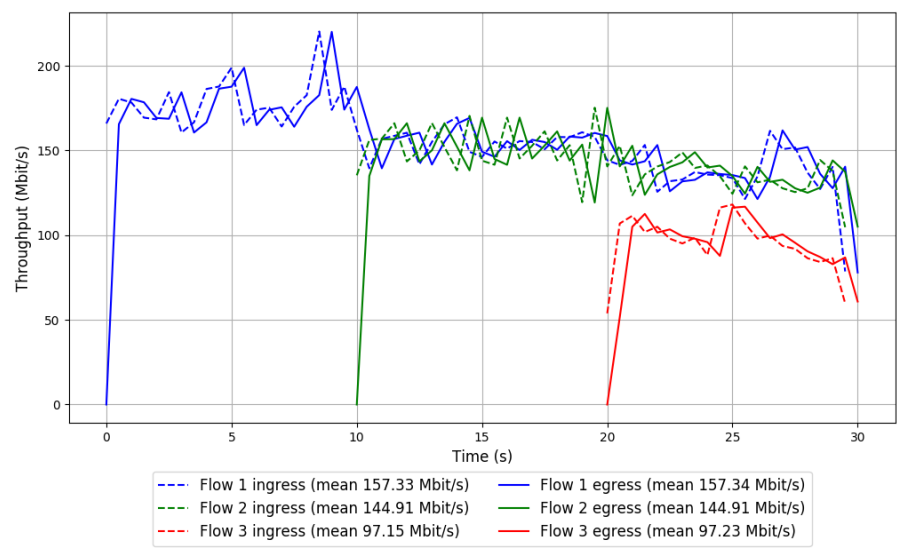


Run 4: Statistics of Indigo

Start at: 2019-11-24 17:47:05
End at: 2019-11-24 17:47:35
Local clock offset: 4.158 ms
Remote clock offset: -1.563 ms

```
# Below is generated by plot.py at 2019-11-24 19:24:03
# Datalink statistics
-- Total of 3 flows:
Average throughput: 285.27 Mbit/s
95th percentile per-packet one-way delay: 19.229 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 157.34 Mbit/s
95th percentile per-packet one-way delay: 0.963 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 144.91 Mbit/s
95th percentile per-packet one-way delay: 1.115 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 97.23 Mbit/s
95th percentile per-packet one-way delay: 19.414 ms
Loss rate: 0.13%
```

Run 4: Report of Indigo — Data Link

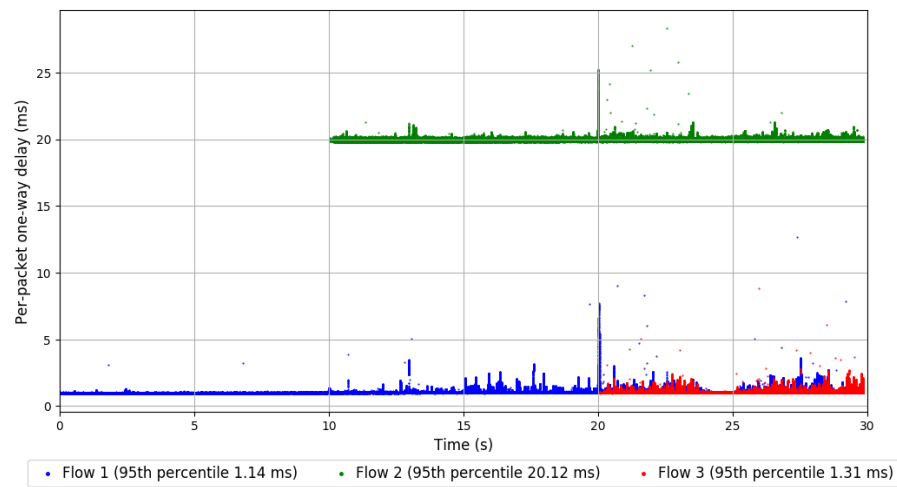
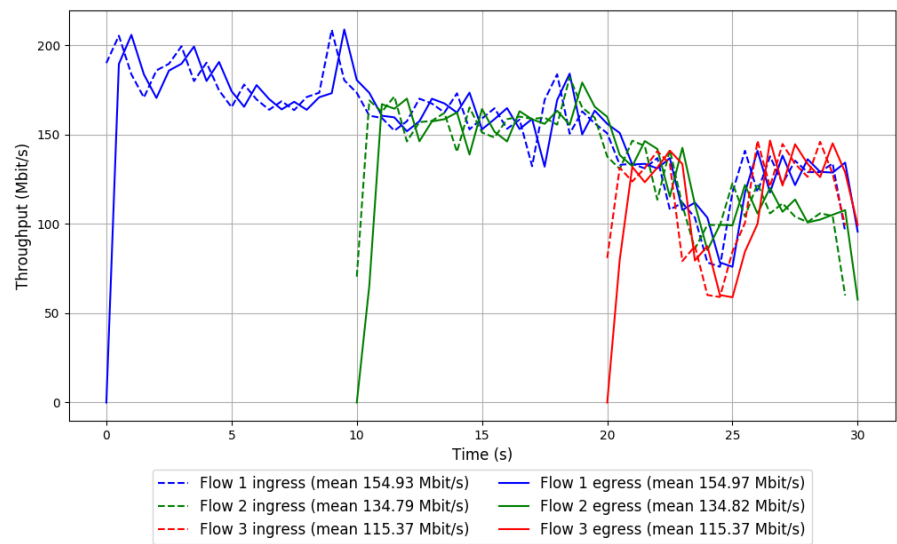


Run 5: Statistics of Indigo

Start at: 2019-11-24 18:21:59
End at: 2019-11-24 18:22:29
Local clock offset: 4.268 ms
Remote clock offset: -0.121 ms

Below is generated by plot.py at 2019-11-24 19:24:03
Datalink statistics
-- Total of 3 flows:
Average throughput: 282.27 Mbit/s
95th percentile per-packet one-way delay: 20.031 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 154.97 Mbit/s
95th percentile per-packet one-way delay: 1.144 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 134.82 Mbit/s
95th percentile per-packet one-way delay: 20.116 ms
Loss rate: 0.08%
-- Flow 3:
Average throughput: 115.37 Mbit/s
95th percentile per-packet one-way delay: 1.311 ms
Loss rate: 0.01%

Run 5: Report of Indigo — Data Link



Run 1: Statistics of Indigo-MusesC3

Start at: 2019-11-24 16:15:39

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

Local clock offset: 2.782 ms

Remote clock offset: 1.274 ms

Below is generated by plot.py at 2019-11-24 19:24:03

Datalink statistics

-- Total of 3 flows:

Average throughput: 240.43 Mbit/s

95th percentile per-packet one-way delay: 19.326 ms

Loss rate: 0.02%

-- Flow 1:

Average throughput: 200.56 Mbit/s

95th percentile per-packet one-way delay: 19.335 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 55.01 Mbit/s

95th percentile per-packet one-way delay: 1.044 ms

Loss rate: 0.05%

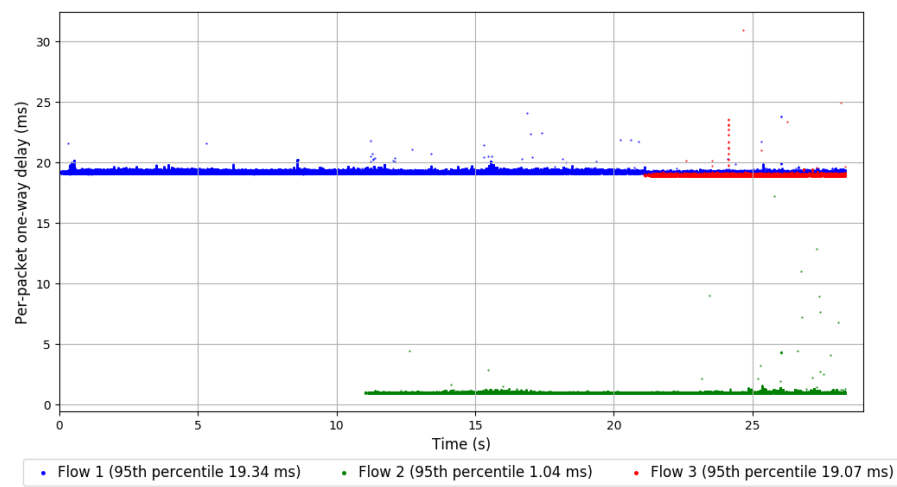
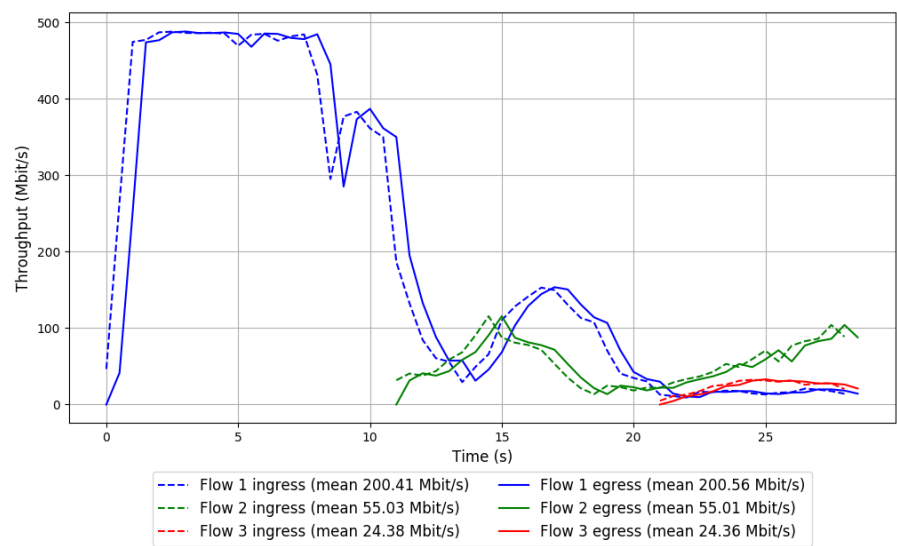
-- Flow 3:

Average throughput: 24.36 Mbit/s

95th percentile per-packet one-way delay: 19.070 ms

Loss rate: 0.33%

Run 1: Report of Indigo-MusesC3 — Data Link

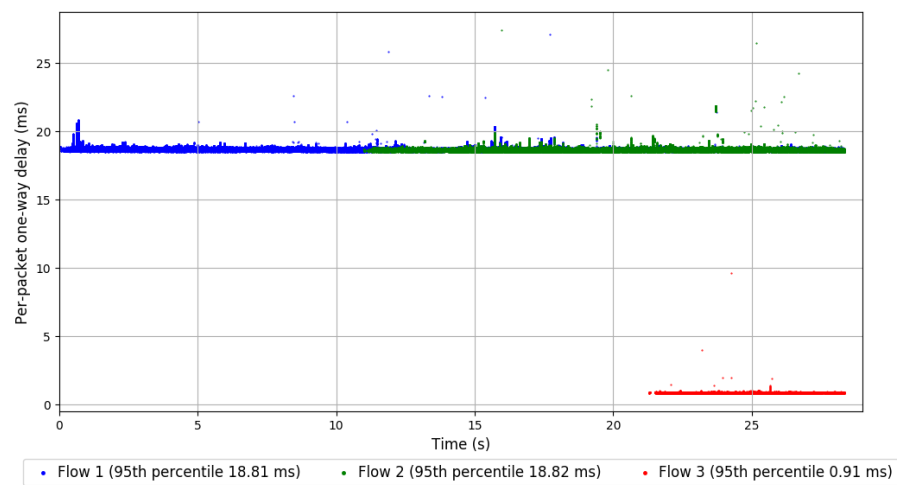
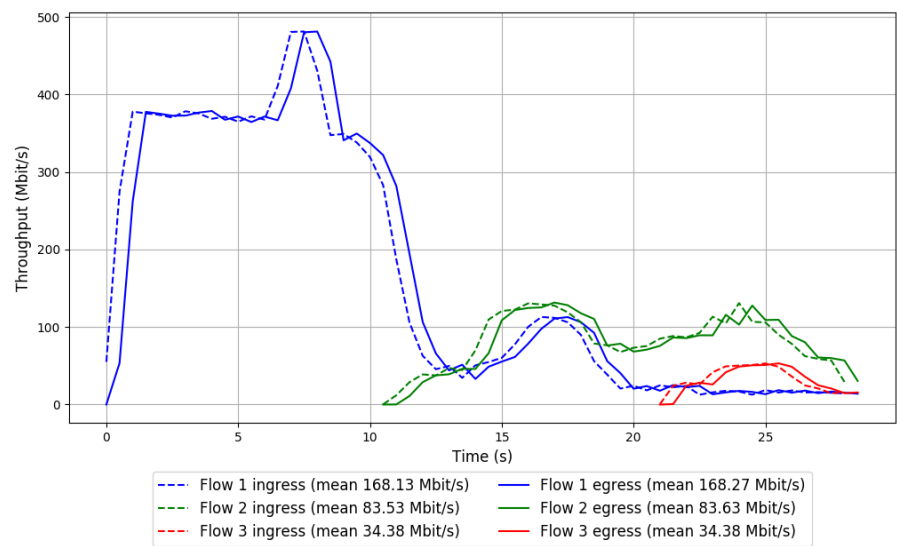


Run 2: Statistics of Indigo-MusesC3

Start at: 2019-11-24 16:50:09
End at: 2019-11-24 16:50:39
Local clock offset: 3.259 ms
Remote clock offset: -2.812 ms

Below is generated by plot.py at 2019-11-24 19:24:03
Datalink statistics
-- Total of 3 flows:
Average throughput: 228.09 Mbit/s
95th percentile per-packet one-way delay: 18.809 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 168.27 Mbit/s
95th percentile per-packet one-way delay: 18.811 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 83.63 Mbit/s
95th percentile per-packet one-way delay: 18.816 ms
Loss rate: 0.02%
-- Flow 3:
Average throughput: 34.38 Mbit/s
95th percentile per-packet one-way delay: 0.912 ms
Loss rate: 0.00%

Run 2: Report of Indigo-MusesC3 — Data Link



Run 3: Statistics of Indigo-MusesC3

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

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

Local clock offset: 3.856 ms

Remote clock offset: 1.723 ms

Below is generated by plot.py at 2019-11-24 19:24:03

Datalink statistics

-- Total of 3 flows:

Average throughput: 240.74 Mbit/s

95th percentile per-packet one-way delay: 19.944 ms

Loss rate: 0.02%

-- Flow 1:

Average throughput: 191.47 Mbit/s

95th percentile per-packet one-way delay: 19.958 ms

Loss rate: 0.02%

-- Flow 2:

Average throughput: 64.37 Mbit/s

95th percentile per-packet one-way delay: 0.922 ms

Loss rate: 0.04%

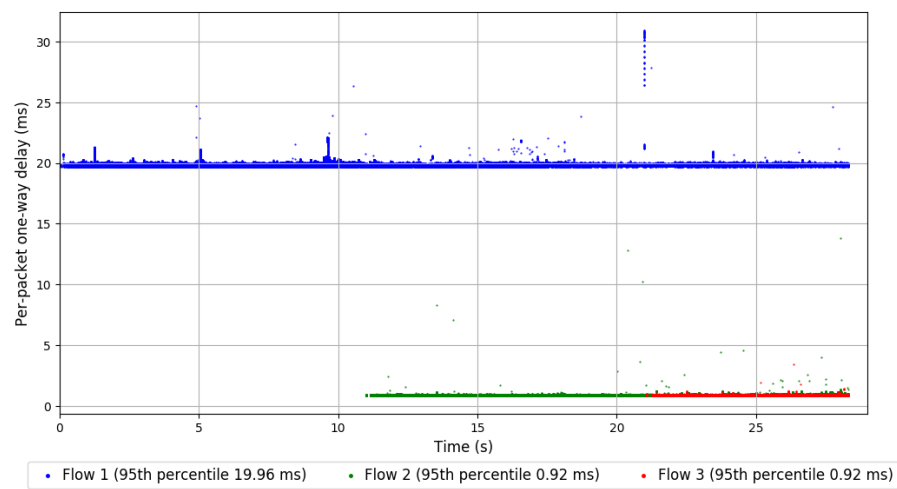
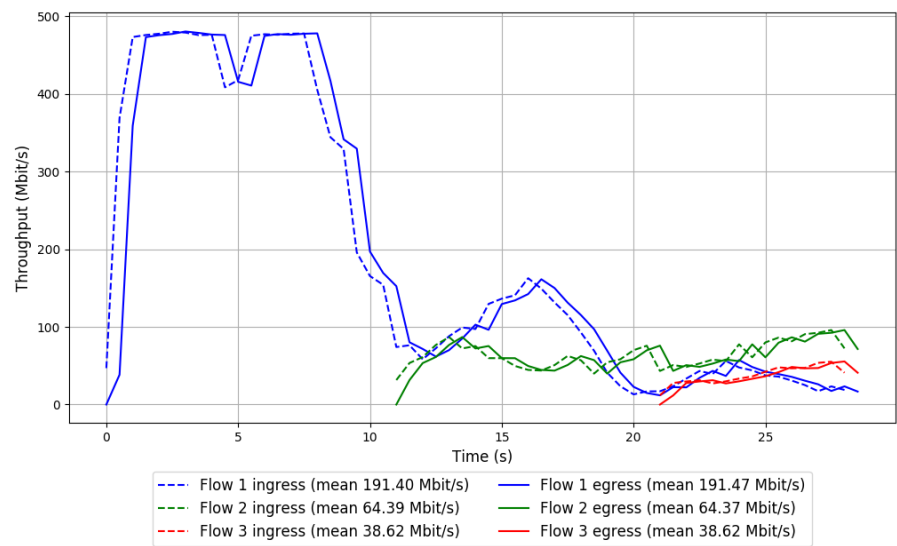
-- Flow 3:

Average throughput: 38.62 Mbit/s

95th percentile per-packet one-way delay: 0.919 ms

Loss rate: 0.00%

Run 3: Report of Indigo-MusesC3 — Data Link



Run 4: Statistics of Indigo-MusesC3

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

End at: 2019-11-24 17:59:54

Local clock offset: 4.377 ms

Remote clock offset: -2.61 ms

Below is generated by plot.py at 2019-11-24 19:24:16

Datalink statistics

-- Total of 3 flows:

Average throughput: 194.41 Mbit/s

95th percentile per-packet one-way delay: 0.984 ms

Loss rate: 0.01%

-- Flow 1:

Average throughput: 154.12 Mbit/s

95th percentile per-packet one-way delay: 0.951 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 55.95 Mbit/s

95th percentile per-packet one-way delay: 0.938 ms

Loss rate: 0.00%

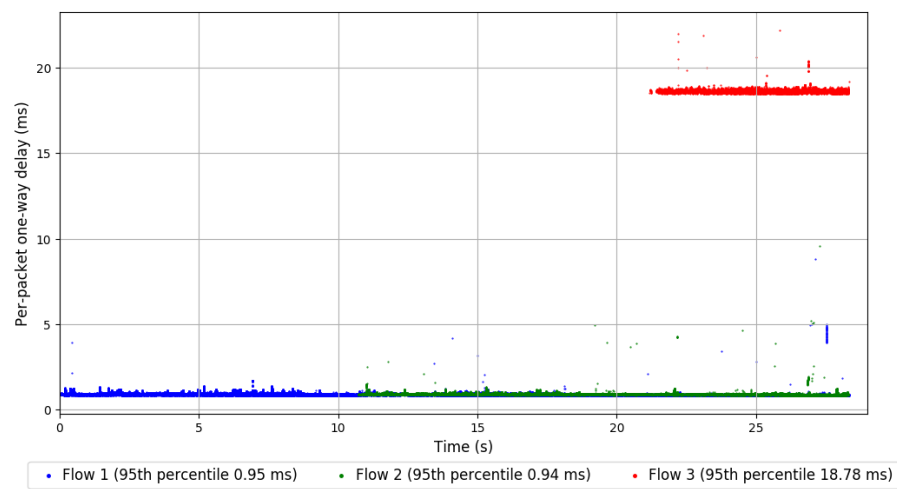
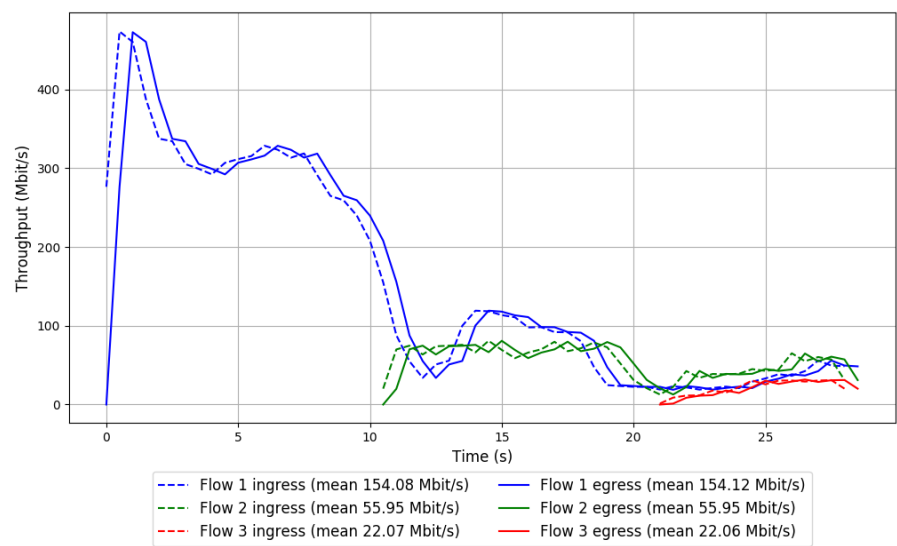
-- Flow 3:

Average throughput: 22.06 Mbit/s

95th percentile per-packet one-way delay: 18.777 ms

Loss rate: 0.24%

Run 4: Report of Indigo-MusesC3 — Data Link



Run 5: Statistics of Indigo-MusesC3

Start at: 2019-11-24 18:34:10

End at: 2019-11-24 18:34:40

Local clock offset: 4.287 ms

Remote clock offset: 0.815 ms

Below is generated by plot.py at 2019-11-24 19:24:27

Datalink statistics

-- Total of 3 flows:

Average throughput: 191.90 Mbit/s

95th percentile per-packet one-way delay: 1.124 ms

Loss rate: 0.01%

-- Flow 1:

Average throughput: 143.79 Mbit/s

95th percentile per-packet one-way delay: 1.085 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 68.18 Mbit/s

95th percentile per-packet one-way delay: 1.101 ms

Loss rate: 0.00%

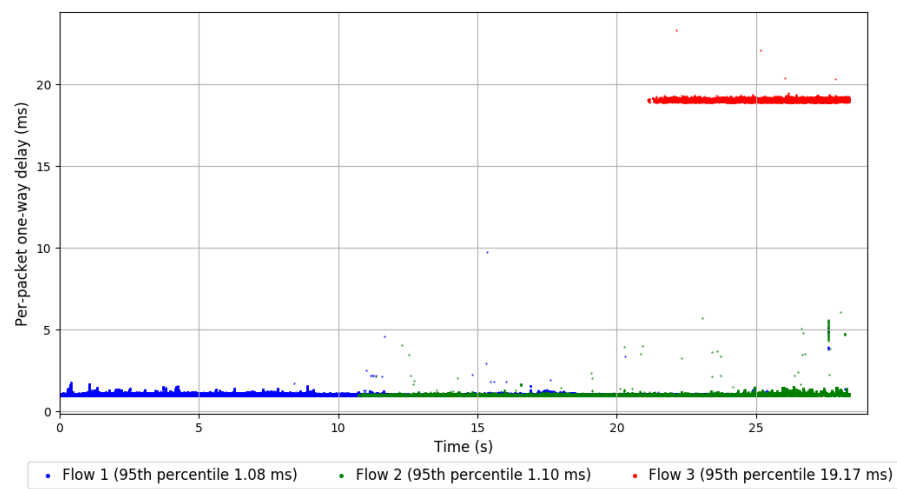
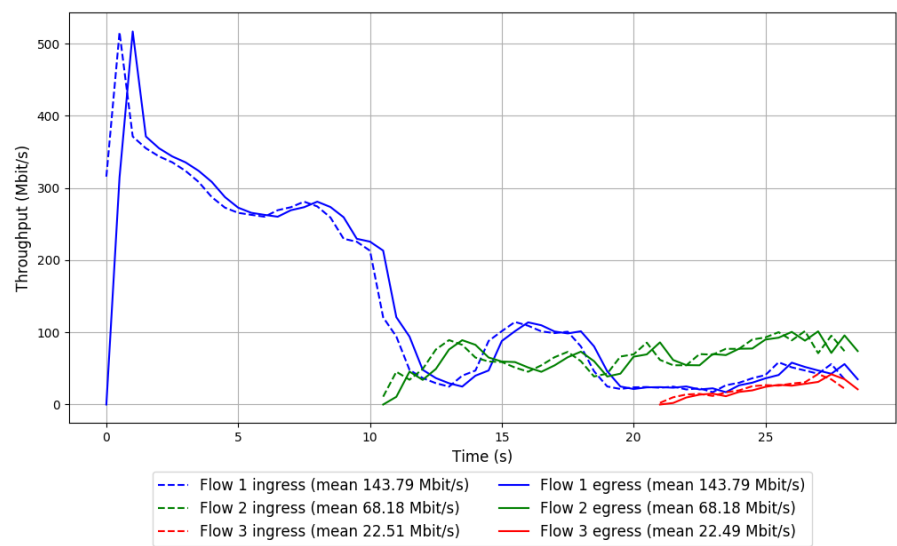
-- Flow 3:

Average throughput: 22.49 Mbit/s

95th percentile per-packet one-way delay: 19.170 ms

Loss rate: 0.48%

Run 5: Report of Indigo-MusesC3 — Data Link



Run 1: Statistics of Indigo-MusesC5

Start at: 2019-11-24 16:19:45

End at: 2019-11-24 16:20:15

Local clock offset: 2.797 ms

Remote clock offset: 1.528 ms

Below is generated by plot.py at 2019-11-24 19:24:45

Datalink statistics

-- Total of 3 flows:

Average throughput: 210.67 Mbit/s

95th percentile per-packet one-way delay: 1.248 ms

Loss rate: 0.01%

-- Flow 1:

Average throughput: 129.27 Mbit/s

95th percentile per-packet one-way delay: 1.277 ms

Loss rate: 0.01%

-- Flow 2:

Average throughput: 115.71 Mbit/s

95th percentile per-packet one-way delay: 1.226 ms

Loss rate: 0.00%

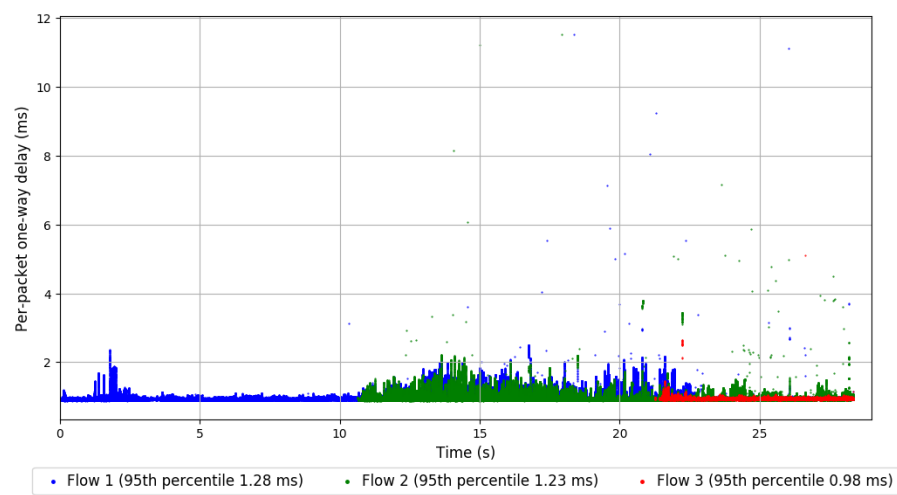
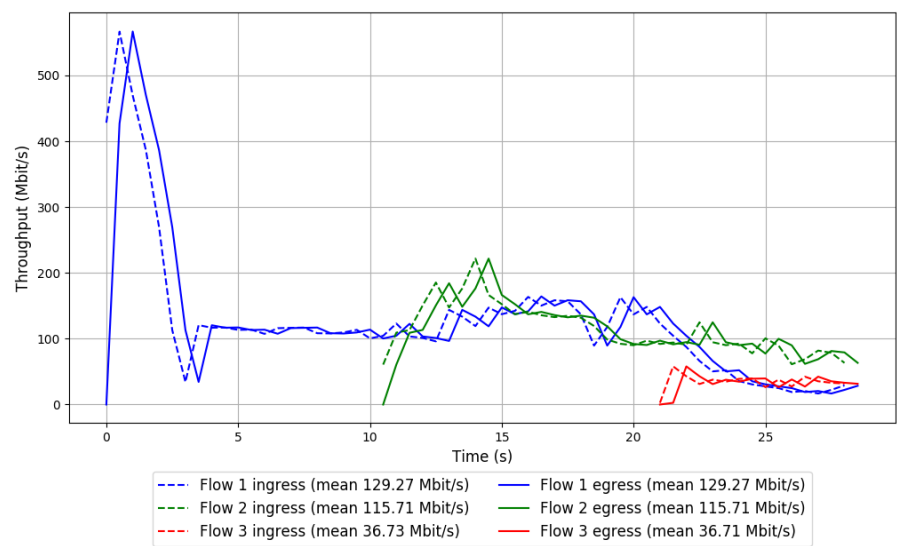
-- Flow 3:

Average throughput: 36.71 Mbit/s

95th percentile per-packet one-way delay: 0.982 ms

Loss rate: 0.07%

Run 1: Report of Indigo-MusesC5 — Data Link

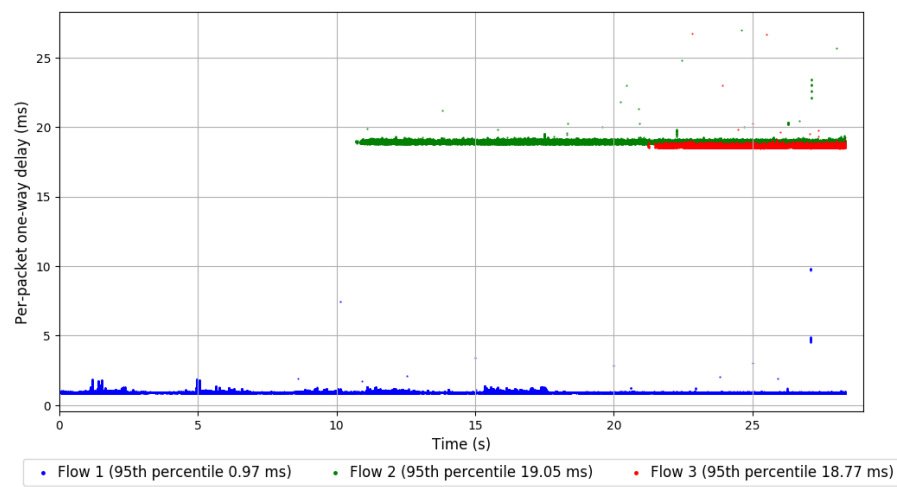
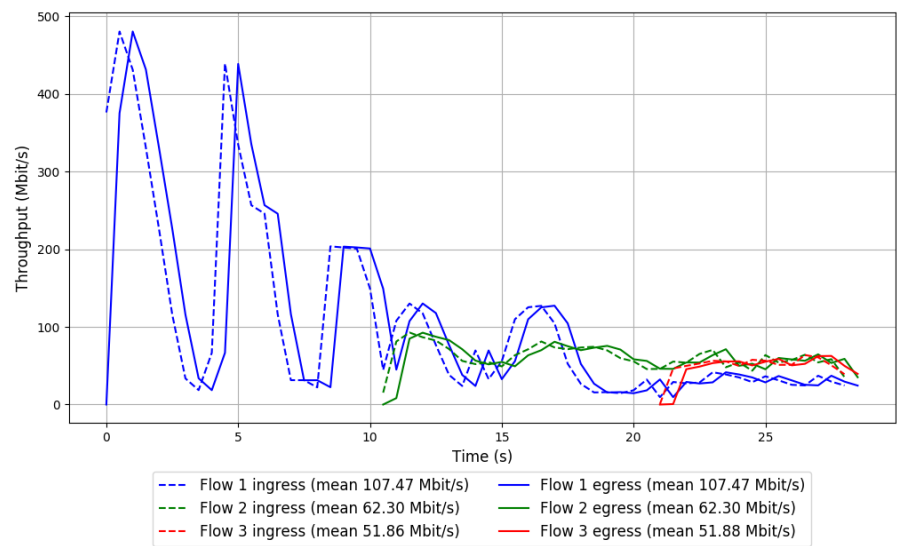


Run 2: Statistics of Indigo-MusesC5

Start at: 2019-11-24 16:54:14
End at: 2019-11-24 16:54:44
Local clock offset: 3.392 ms
Remote clock offset: -2.947 ms

Below is generated by plot.py at 2019-11-24 19:24:45
Datalink statistics
-- Total of 3 flows:
Average throughput: 159.34 Mbit/s
95th percentile per-packet one-way delay: 18.973 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 107.47 Mbit/s
95th percentile per-packet one-way delay: 0.970 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 62.30 Mbit/s
95th percentile per-packet one-way delay: 19.047 ms
Loss rate: 0.10%
-- Flow 3:
Average throughput: 51.88 Mbit/s
95th percentile per-packet one-way delay: 18.770 ms
Loss rate: 0.15%

Run 2: Report of Indigo-MusesC5 — Data Link



Run 3: Statistics of Indigo-MusesC5

Start at: 2019-11-24 17:28:49

End at: 2019-11-24 17:29:19

Local clock offset: 3.934 ms

Remote clock offset: 1.992 ms

Below is generated by plot.py at 2019-11-24 19:25:55

Datalink statistics

-- Total of 3 flows:

Average throughput: 264.05 Mbit/s

95th percentile per-packet one-way delay: 20.288 ms

Loss rate: 0.01%

-- Flow 1:

Average throughput: 218.80 Mbit/s

95th percentile per-packet one-way delay: 20.350 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 58.92 Mbit/s

95th percentile per-packet one-way delay: 19.132 ms

Loss rate: 0.02%

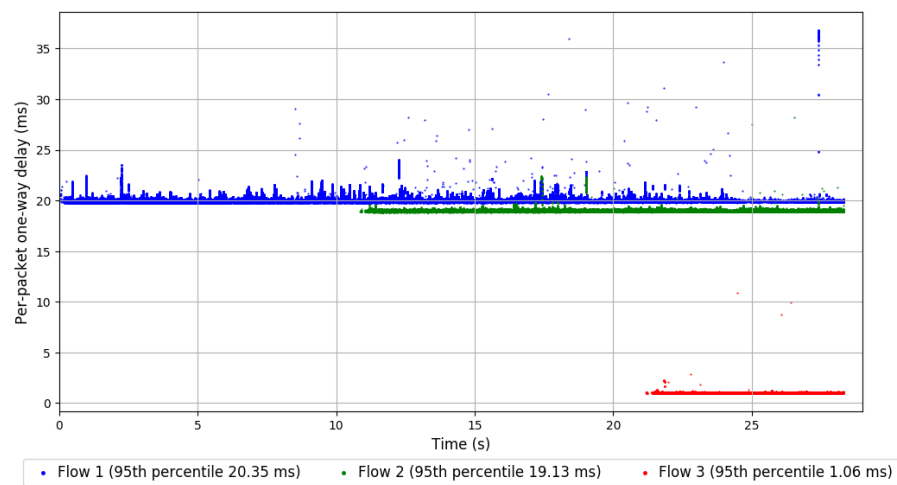
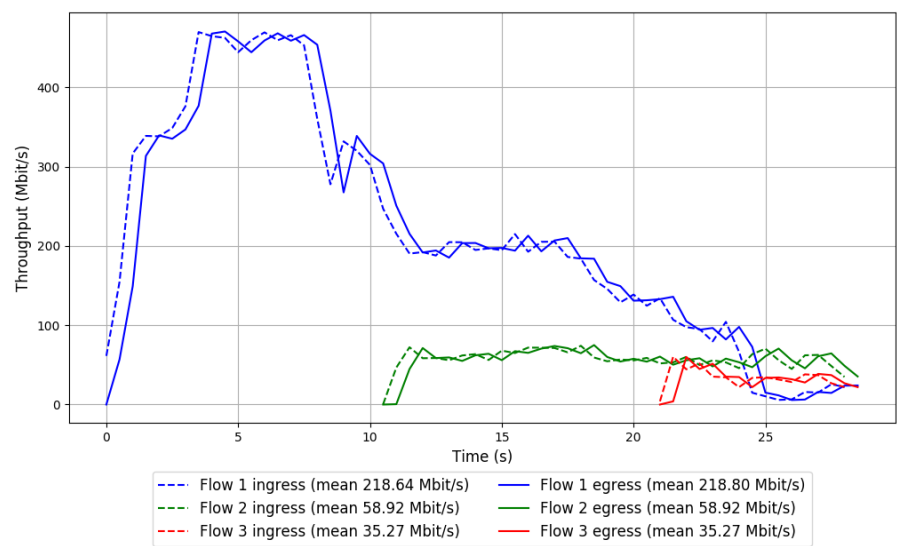
-- Flow 3:

Average throughput: 35.27 Mbit/s

95th percentile per-packet one-way delay: 1.064 ms

Loss rate: 0.00%

Run 3: Report of Indigo-MusesC5 — Data Link

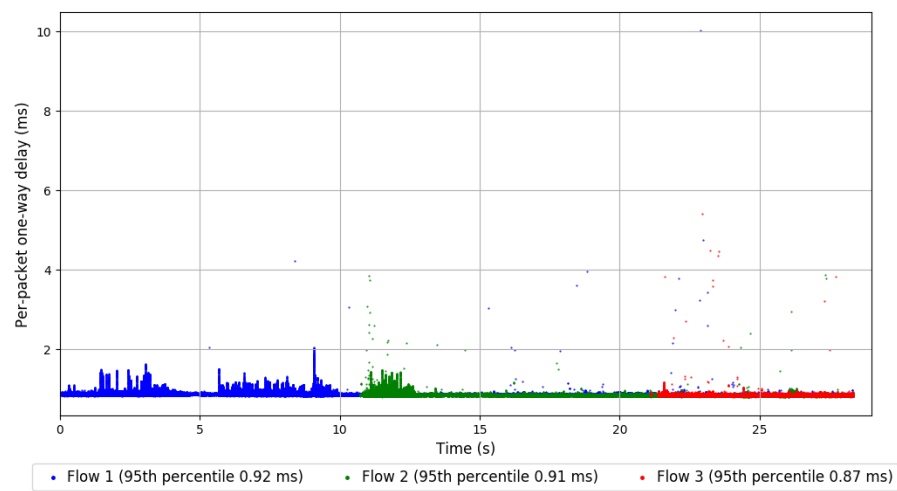
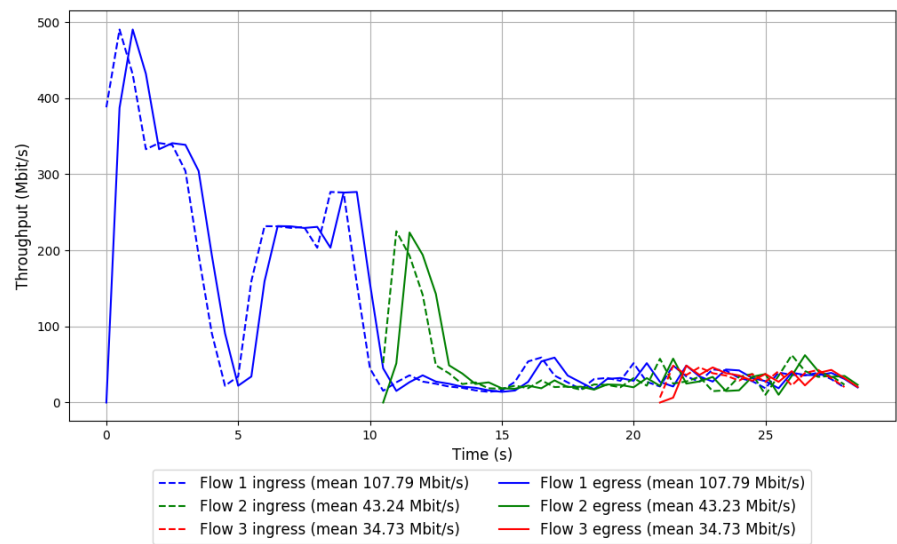


Run 4: Statistics of Indigo-MusesC5

Start at: 2019-11-24 18:03:31
End at: 2019-11-24 18:04:01
Local clock offset: 4.426 ms
Remote clock offset: -2.717 ms

Below is generated by plot.py at 2019-11-24 19:25:55
Datalink statistics
-- Total of 3 flows:
Average throughput: 143.52 Mbit/s
95th percentile per-packet one-way delay: 0.919 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 107.79 Mbit/s
95th percentile per-packet one-way delay: 0.923 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 43.23 Mbit/s
95th percentile per-packet one-way delay: 0.910 ms
Loss rate: 0.02%
-- Flow 3:
Average throughput: 34.73 Mbit/s
95th percentile per-packet one-way delay: 0.870 ms
Loss rate: 0.00%

Run 4: Report of Indigo-MusesC5 — Data Link



Run 5: Statistics of Indigo-MusesC5

Start at: 2019-11-24 18:38:14

End at: 2019-11-24 18:38:44

Local clock offset: 4.282 ms

Remote clock offset: 1.039 ms

Below is generated by plot.py at 2019-11-24 19:25:55

Datalink statistics

-- Total of 3 flows:

Average throughput: 190.85 Mbit/s

95th percentile per-packet one-way delay: 19.614 ms

Loss rate: 0.06%

-- Flow 1:

Average throughput: 135.70 Mbit/s

95th percentile per-packet one-way delay: 19.756 ms

Loss rate: 0.04%

-- Flow 2:

Average throughput: 72.07 Mbit/s

95th percentile per-packet one-way delay: 19.570 ms

Loss rate: 0.12%

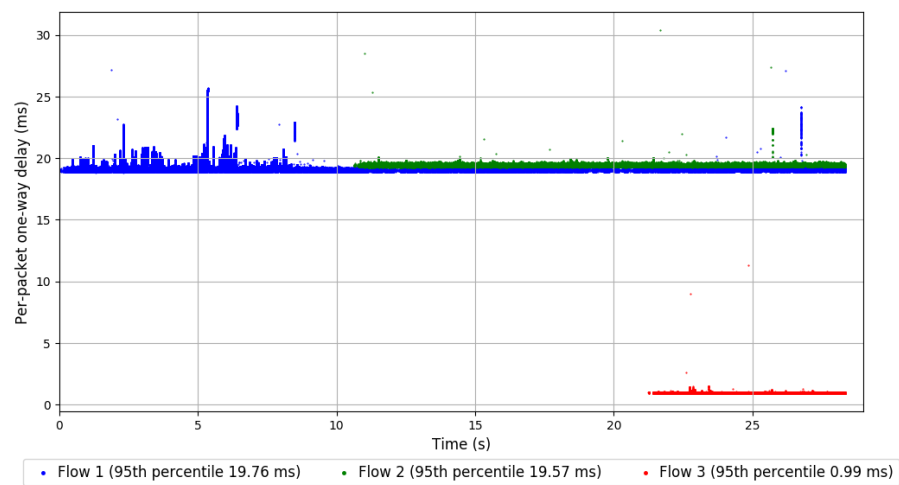
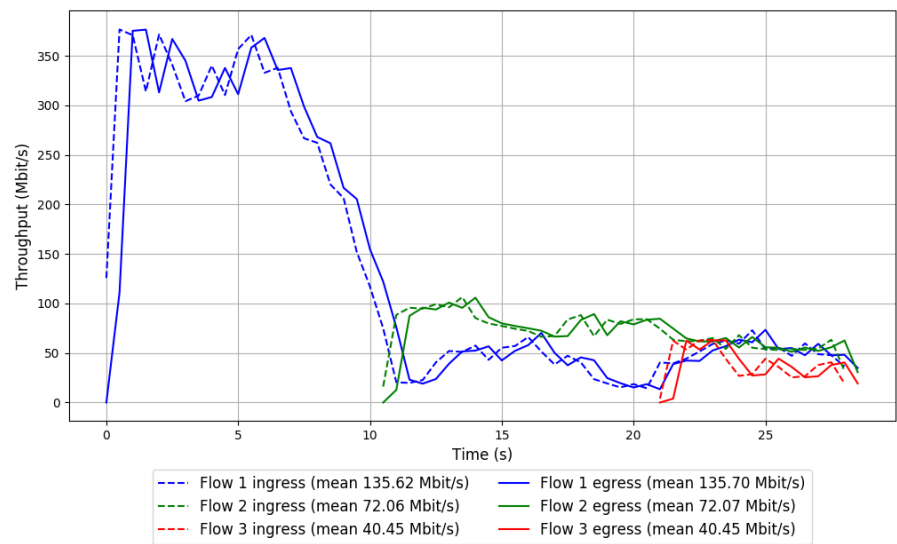
-- Flow 3:

Average throughput: 40.45 Mbit/s

95th percentile per-packet one-way delay: 0.994 ms

Loss rate: 0.00%

Run 5: Report of Indigo-MusesC5 — Data Link



Run 1: Statistics of Indigo-MusesD

Start at: 2019-11-24 15:59:20

End at: 2019-11-24 15:59:50

Local clock offset: 2.916 ms

Remote clock offset: 0.678 ms

Below is generated by plot.py at 2019-11-24 19:25:55

Datalink statistics

-- Total of 3 flows:

Average throughput: 119.62 Mbit/s

95th percentile per-packet one-way delay: 19.946 ms

Loss rate: 0.03%

-- Flow 1:

Average throughput: 63.87 Mbit/s

95th percentile per-packet one-way delay: 0.964 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 68.77 Mbit/s

95th percentile per-packet one-way delay: 20.004 ms

Loss rate: 0.05%

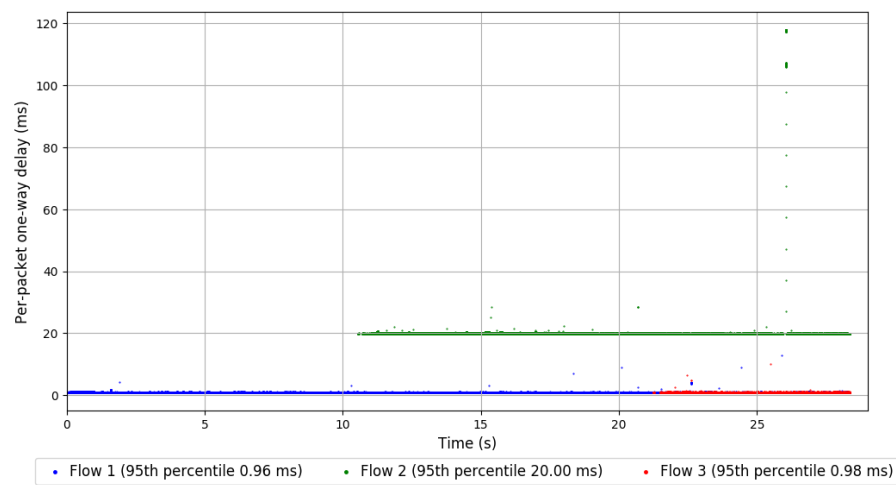
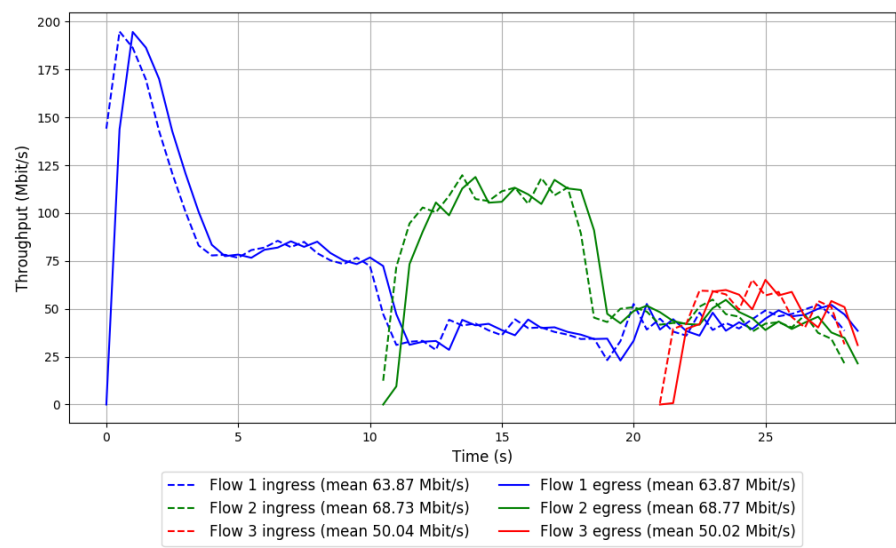
-- Flow 3:

Average throughput: 50.02 Mbit/s

95th percentile per-packet one-way delay: 0.980 ms

Loss rate: 0.06%

Run 1: Report of Indigo-MusesD — Data Link

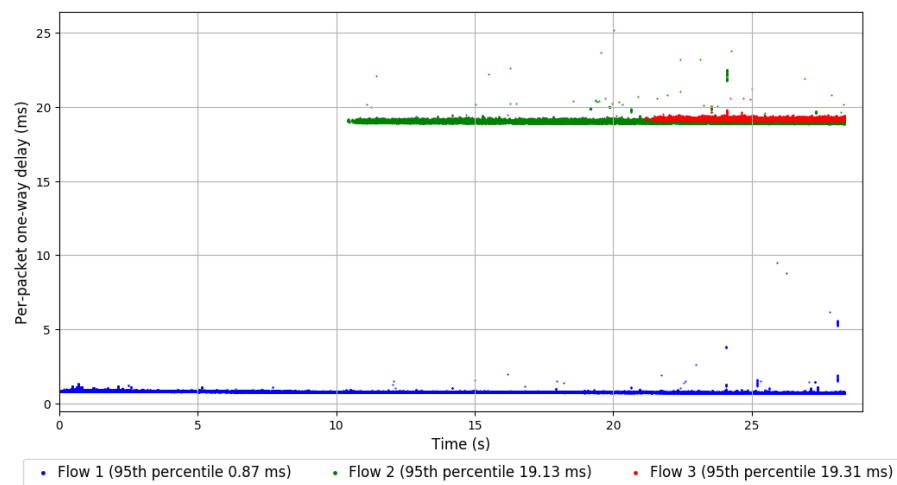
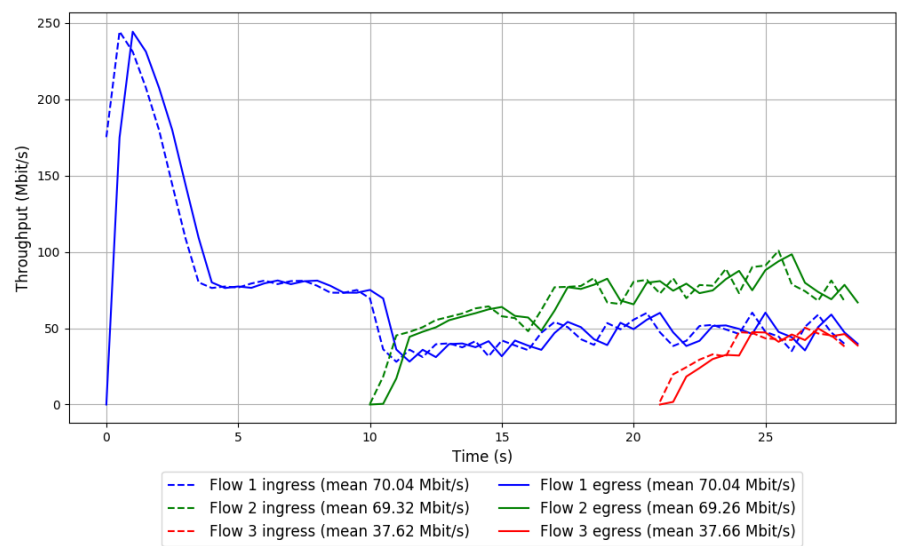


Run 2: Statistics of Indigo-MusesD

Start at: 2019-11-24 16:34:06
End at: 2019-11-24 16:34:36
Local clock offset: 2.724 ms
Remote clock offset: -1.024 ms

Below is generated by plot.py at 2019-11-24 19:25:55
Datalink statistics
-- Total of 3 flows:
Average throughput: 123.42 Mbit/s
95th percentile per-packet one-way delay: 19.172 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 70.04 Mbit/s
95th percentile per-packet one-way delay: 0.870 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 69.26 Mbit/s
95th percentile per-packet one-way delay: 19.133 ms
Loss rate: 0.18%
-- Flow 3:
Average throughput: 37.66 Mbit/s
95th percentile per-packet one-way delay: 19.307 ms
Loss rate: 0.22%

Run 2: Report of Indigo-MusesD — Data Link



Run 3: Statistics of Indigo-MusesD

Start at: 2019-11-24 17:08:23

End at: 2019-11-24 17:08:53

Local clock offset: 3.634 ms

Remote clock offset: -0.71 ms

Below is generated by plot.py at 2019-11-24 19:25:55

Datalink statistics

-- Total of 3 flows:

Average throughput: 101.86 Mbit/s

95th percentile per-packet one-way delay: 19.201 ms

Loss rate: 0.04%

-- Flow 1:

Average throughput: 59.91 Mbit/s

95th percentile per-packet one-way delay: 1.133 ms

Loss rate: 0.02%

-- Flow 2:

Average throughput: 33.95 Mbit/s

95th percentile per-packet one-way delay: 19.291 ms

Loss rate: 0.00%

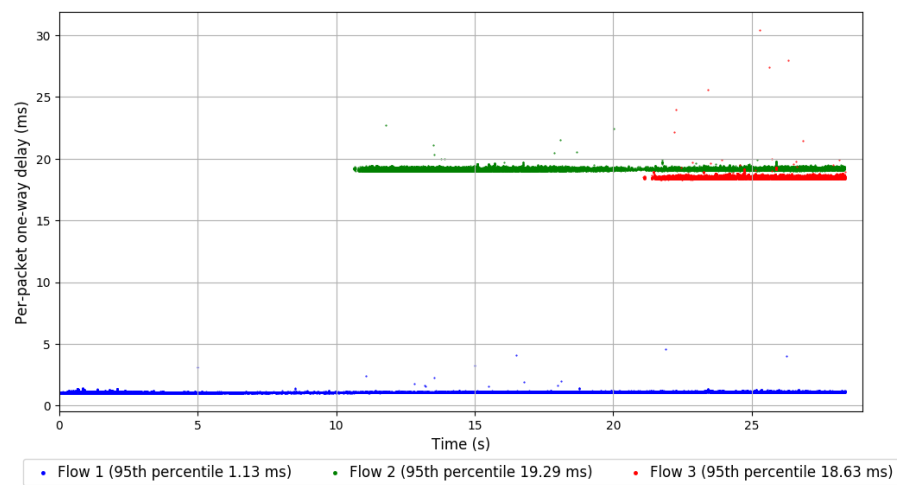
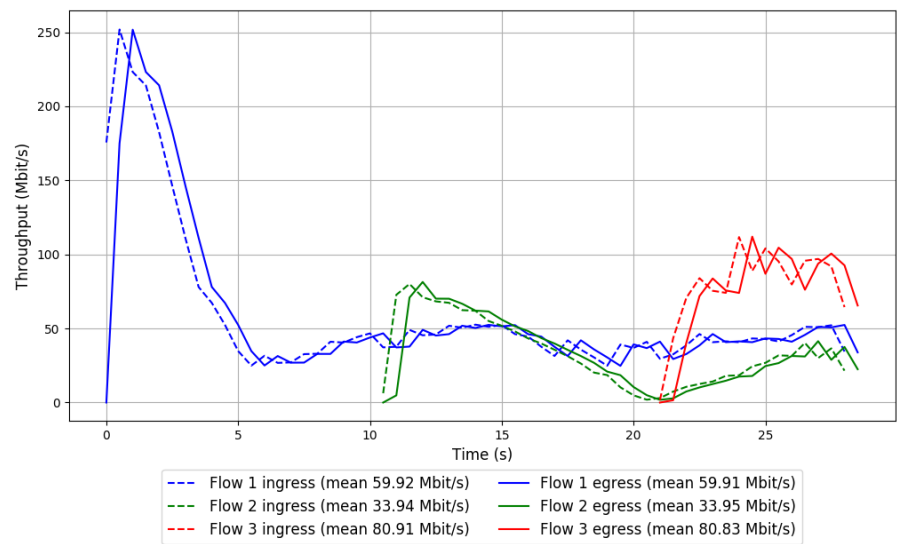
-- Flow 3:

Average throughput: 80.83 Mbit/s

95th percentile per-packet one-way delay: 18.626 ms

Loss rate: 0.13%

Run 3: Report of Indigo-MusesD — Data Link



Run 4: Statistics of Indigo-MusesD

Start at: 2019-11-24 17:43:09

End at: 2019-11-24 17:43:39

Local clock offset: 4.061 ms

Remote clock offset: -0.9 ms

Below is generated by plot.py at 2019-11-24 19:26:57

Datalink statistics

-- Total of 3 flows:

Average throughput: 225.67 Mbit/s

95th percentile per-packet one-way delay: 19.891 ms

Loss rate: 0.06%

-- Flow 1:

Average throughput: 167.81 Mbit/s

95th percentile per-packet one-way delay: 19.911 ms

Loss rate: 0.02%

-- Flow 2:

Average throughput: 57.76 Mbit/s

95th percentile per-packet one-way delay: 19.819 ms

Loss rate: 0.14%

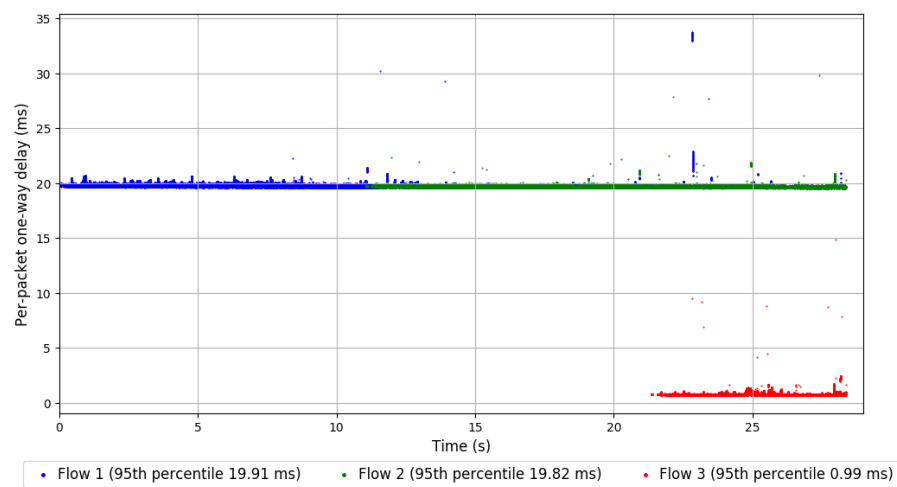
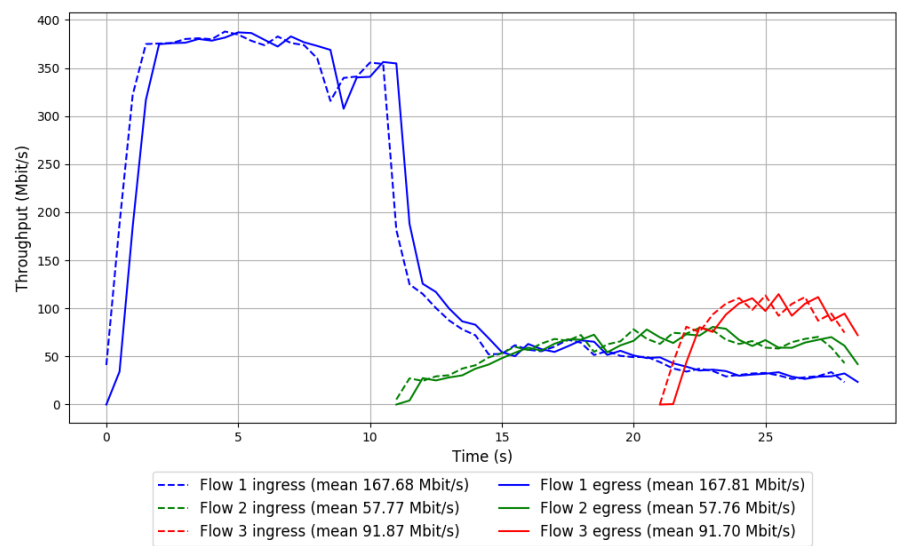
-- Flow 3:

Average throughput: 91.70 Mbit/s

95th percentile per-packet one-way delay: 0.987 ms

Loss rate: 0.20%

Run 4: Report of Indigo-MusesD — Data Link

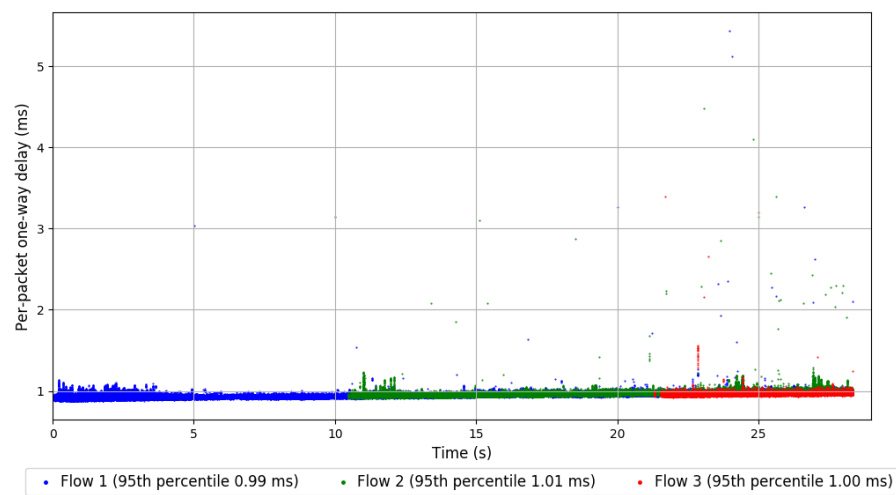
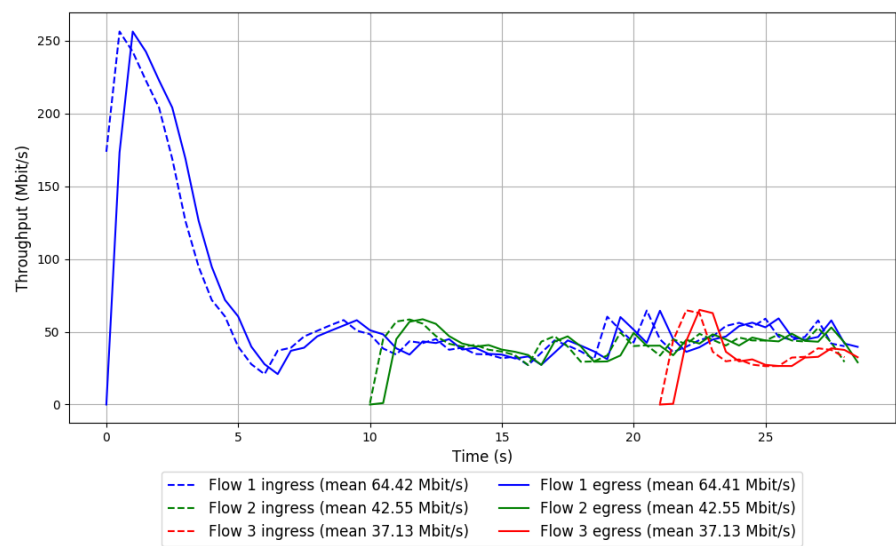


Run 5: Statistics of Indigo-MusesD

Start at: 2019-11-24 18:18:02
End at: 2019-11-24 18:18:32
Local clock offset: 4.266 ms
Remote clock offset: -0.616 ms

Below is generated by plot.py at 2019-11-24 19:26:57
Datalink statistics
-- Total of 3 flows:
Average throughput: 100.47 Mbit/s
95th percentile per-packet one-way delay: 1.000 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 64.41 Mbit/s
95th percentile per-packet one-way delay: 0.993 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 42.55 Mbit/s
95th percentile per-packet one-way delay: 1.014 ms
Loss rate: 0.02%
-- Flow 3:
Average throughput: 37.13 Mbit/s
95th percentile per-packet one-way delay: 0.996 ms
Loss rate: 0.00%

Run 5: Report of Indigo-MusesD — Data Link



Run 1: Statistics of Indigo-MusesT

Start at: 2019-11-24 15:53:25

End at: 2019-11-24 15:53:55

Local clock offset: 2.962 ms

Remote clock offset: 0.627 ms

Below is generated by plot.py at 2019-11-24 19:28:00

Datalink statistics

-- Total of 3 flows:

Average throughput: 271.02 Mbit/s

95th percentile per-packet one-way delay: 19.978 ms

Loss rate: 0.03%

-- Flow 1:

Average throughput: 227.13 Mbit/s

95th percentile per-packet one-way delay: 19.986 ms

Loss rate: 0.03%

-- Flow 2:

Average throughput: 53.66 Mbit/s

95th percentile per-packet one-way delay: 1.016 ms

Loss rate: 0.00%

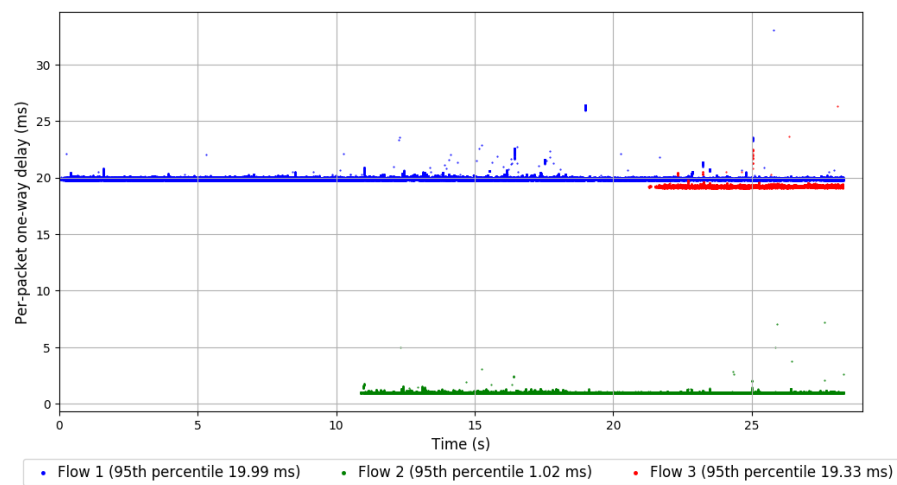
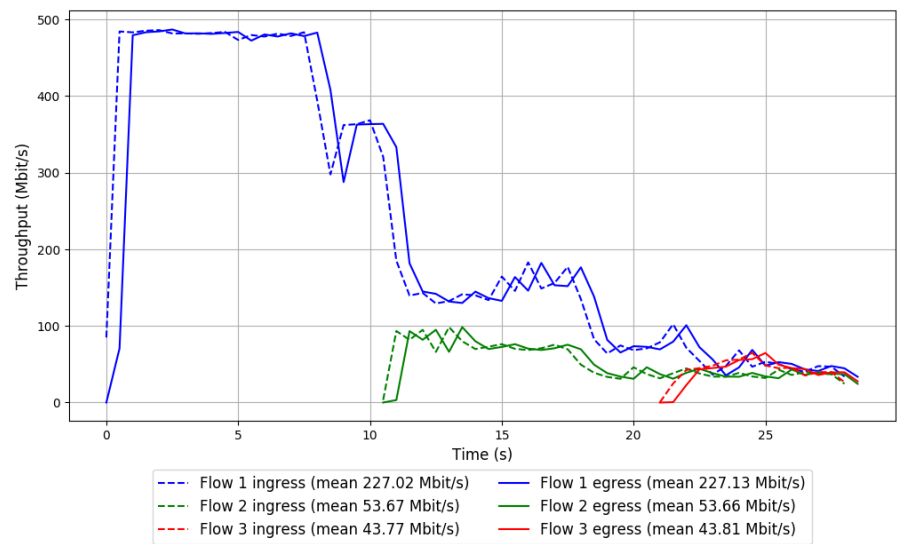
-- Flow 3:

Average throughput: 43.81 Mbit/s

95th percentile per-packet one-way delay: 19.332 ms

Loss rate: 0.14%

Run 1: Report of Indigo-MusesT — Data Link



Run 2: Statistics of Indigo-MusesT

Start at: 2019-11-24 16:28:20

End at: 2019-11-24 16:28:50

Local clock offset: 2.753 ms

Remote clock offset: 0.811 ms

Below is generated by plot.py at 2019-11-24 19:28:00

Datalink statistics

-- Total of 3 flows:

Average throughput: 189.31 Mbit/s

95th percentile per-packet one-way delay: 0.880 ms

Loss rate: 0.01%

-- Flow 1:

Average throughput: 135.66 Mbit/s

95th percentile per-packet one-way delay: 0.885 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 71.12 Mbit/s

95th percentile per-packet one-way delay: 0.856 ms

Loss rate: 0.02%

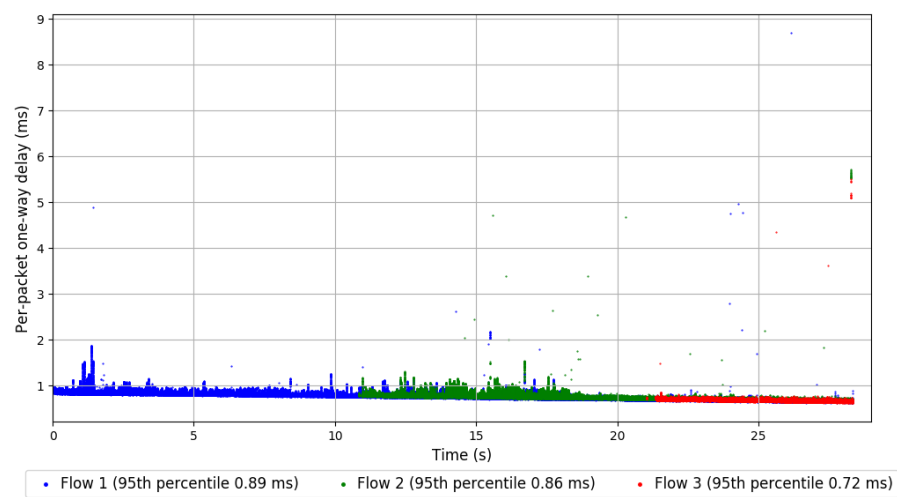
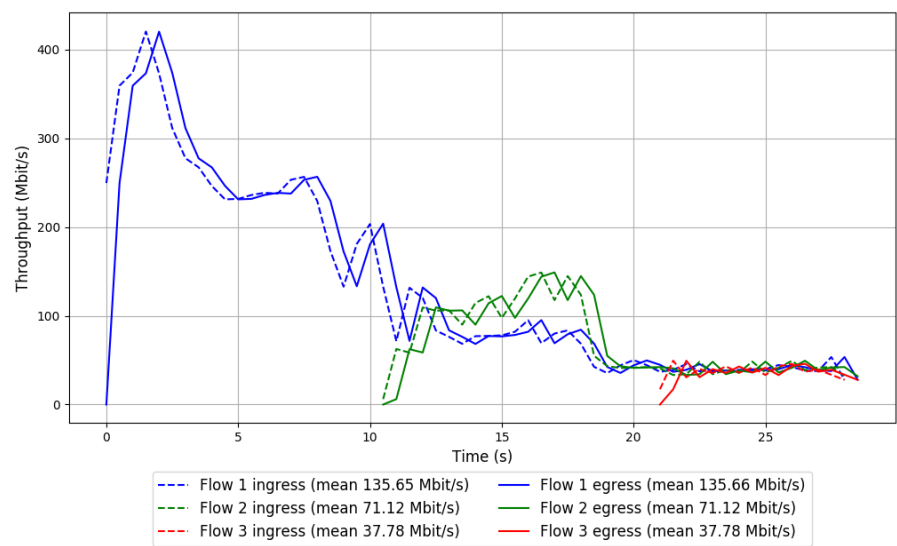
-- Flow 3:

Average throughput: 37.78 Mbit/s

95th percentile per-packet one-way delay: 0.725 ms

Loss rate: 0.00%

Run 2: Report of Indigo-MusesT — Data Link

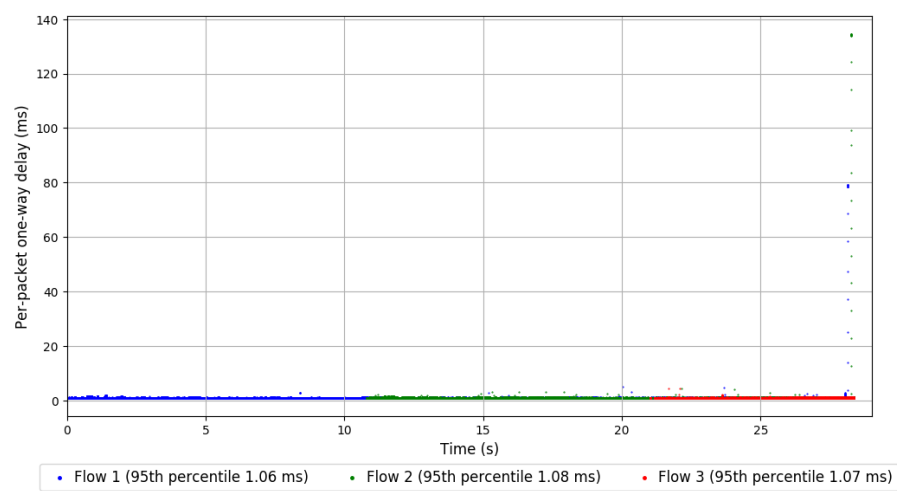
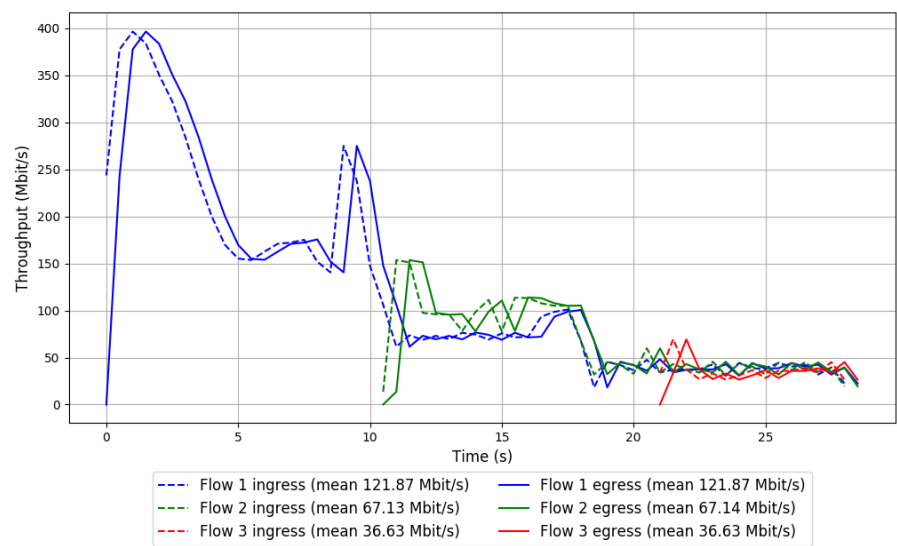


Run 3: Statistics of Indigo-MusesT

Start at: 2019-11-24 17:02:32
End at: 2019-11-24 17:03:02
Local clock offset: 3.564 ms
Remote clock offset: -2.199 ms

Below is generated by plot.py at 2019-11-24 19:28:00
Datalink statistics
-- Total of 3 flows:
Average throughput: 172.90 Mbit/s
95th percentile per-packet one-way delay: 1.066 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 121.87 Mbit/s
95th percentile per-packet one-way delay: 1.058 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 67.14 Mbit/s
95th percentile per-packet one-way delay: 1.083 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 36.63 Mbit/s
95th percentile per-packet one-way delay: 1.069 ms
Loss rate: 0.00%

Run 3: Report of Indigo-MusesT — Data Link



Run 4: Statistics of Indigo-MusesT

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

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

Local clock offset: 3.97 ms

Remote clock offset: 1.035 ms

Below is generated by plot.py at 2019-11-24 19:28:12

Datalink statistics

-- Total of 3 flows:

Average throughput: 253.65 Mbit/s

95th percentile per-packet one-way delay: 19.510 ms

Loss rate: 0.05%

-- Flow 1:

Average throughput: 189.55 Mbit/s

95th percentile per-packet one-way delay: 19.365 ms

Loss rate: 0.02%

-- Flow 2:

Average throughput: 89.24 Mbit/s

95th percentile per-packet one-way delay: 18.903 ms

Loss rate: 0.06%

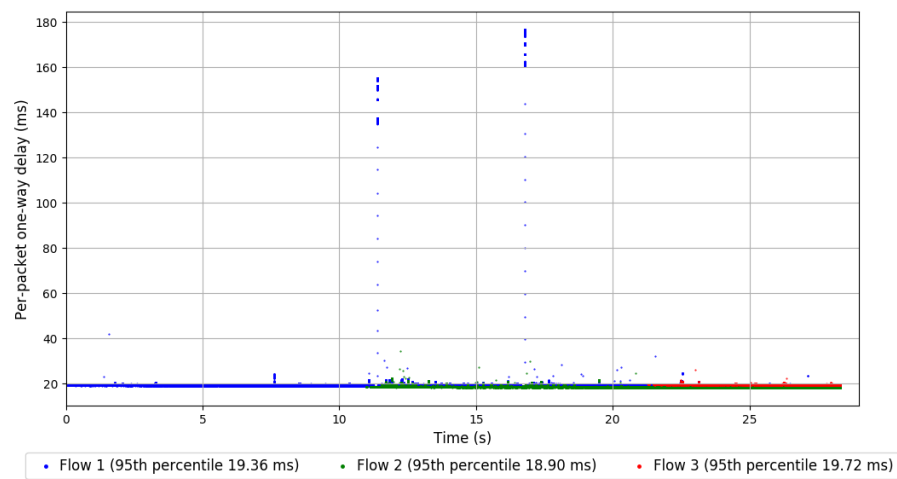
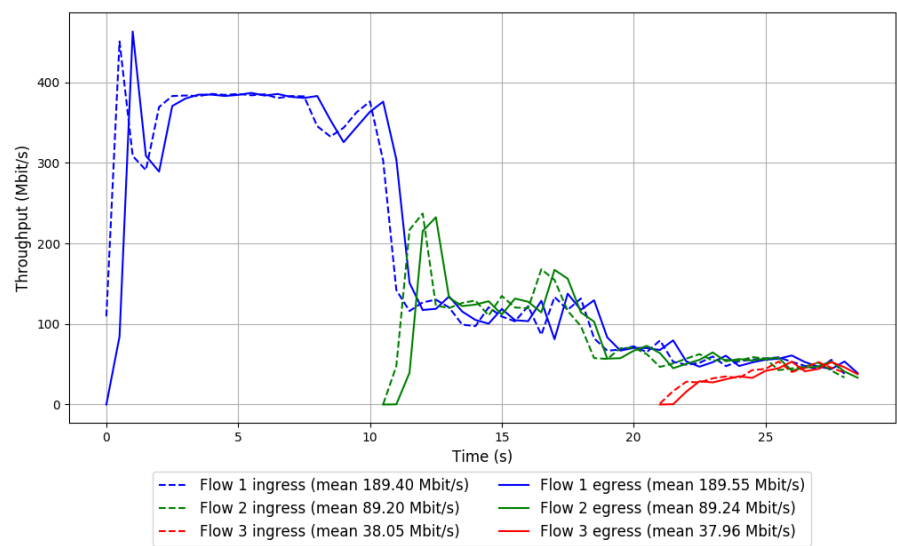
-- Flow 3:

Average throughput: 37.96 Mbit/s

95th percentile per-packet one-way delay: 19.719 ms

Loss rate: 0.68%

Run 4: Report of Indigo-MusesT — Data Link



Run 5: Statistics of Indigo-MusesT

Start at: 2019-11-24 18:12:06

End at: 2019-11-24 18:12:36

Local clock offset: 4.411 ms

Remote clock offset: -1.87 ms

Below is generated by plot.py at 2019-11-24 19:28:19

Datalink statistics

-- Total of 3 flows:

Average throughput: 255.56 Mbit/s

95th percentile per-packet one-way delay: 18.963 ms

Loss rate: 0.01%

-- Flow 1:

Average throughput: 214.73 Mbit/s

95th percentile per-packet one-way delay: 18.974 ms

Loss rate: 0.01%

-- Flow 2:

Average throughput: 52.57 Mbit/s

95th percentile per-packet one-way delay: 1.152 ms

Loss rate: 0.02%

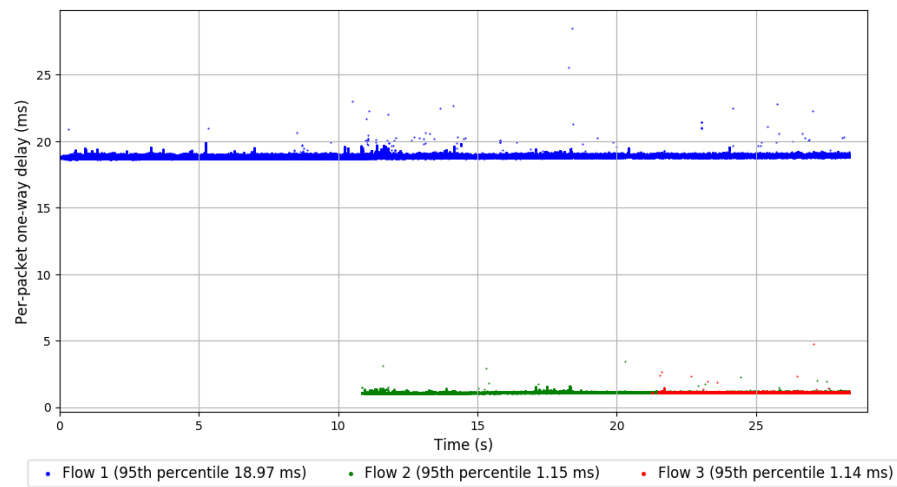
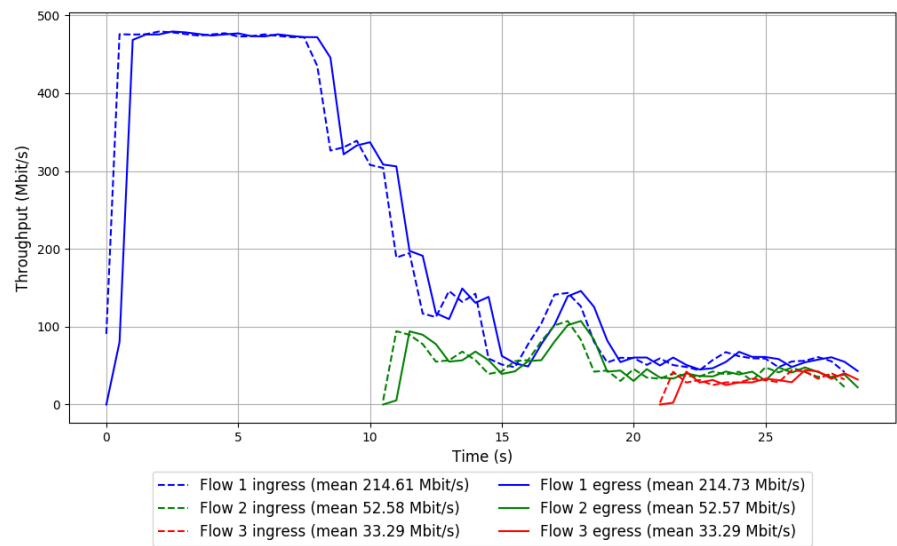
-- Flow 3:

Average throughput: 33.29 Mbit/s

95th percentile per-packet one-way delay: 1.142 ms

Loss rate: 0.00%

Run 5: Report of Indigo-MusesT — Data Link

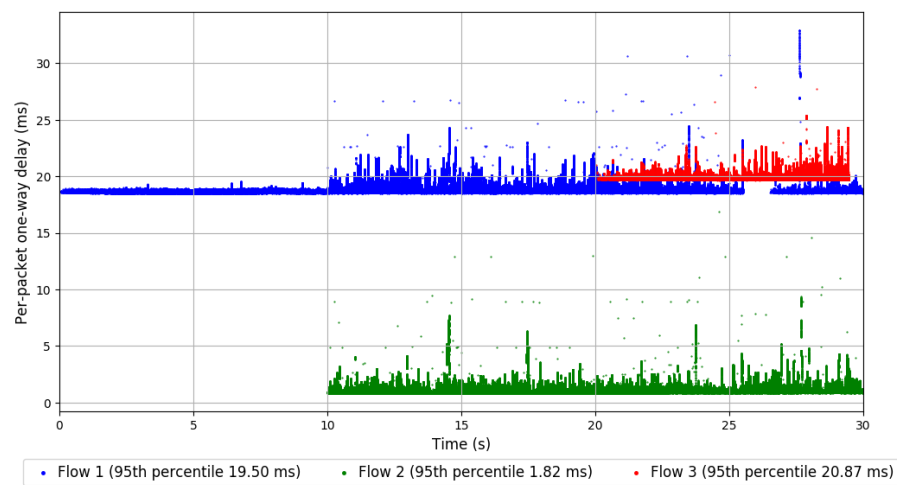
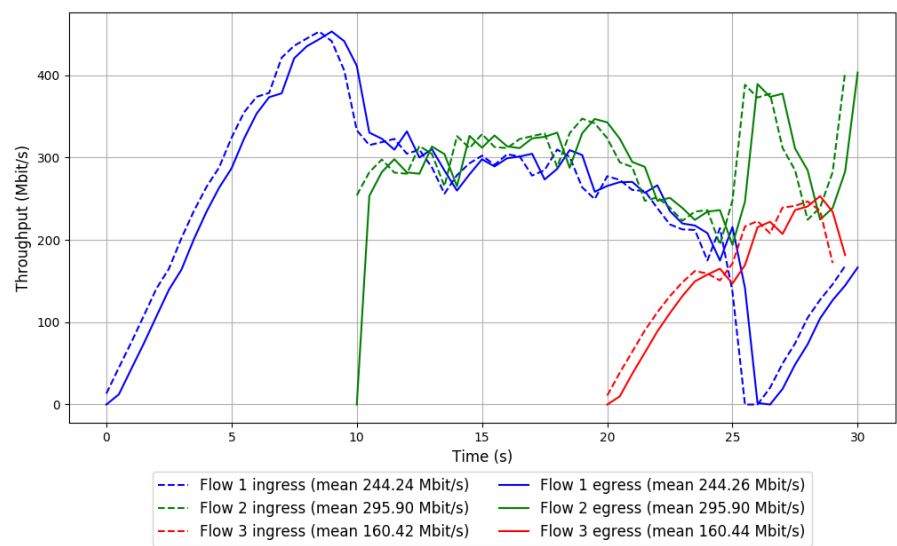


```
Run 1: Statistics of LEDBAT

Start at: 2019-11-24 16:04:45
End at: 2019-11-24 16:05:15
Local clock offset: 2.83 ms
Remote clock offset: 0.876 ms

# Below is generated by plot.py at 2019-11-24 19:31:23
# Datalink statistics
-- Total of 3 flows:
Average throughput: 491.89 Mbit/s
95th percentile per-packet one-way delay: 19.905 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 244.26 Mbit/s
95th percentile per-packet one-way delay: 19.496 ms
Loss rate: 0.06%
-- Flow 2:
Average throughput: 295.90 Mbit/s
95th percentile per-packet one-way delay: 1.820 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 160.44 Mbit/s
95th percentile per-packet one-way delay: 20.873 ms
Loss rate: 0.00%
```

Run 1: Report of LEDBAT — Data Link

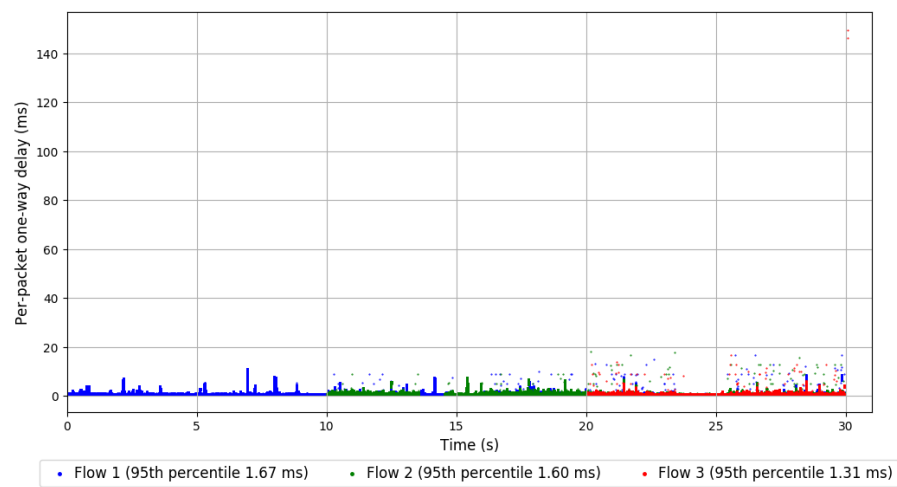
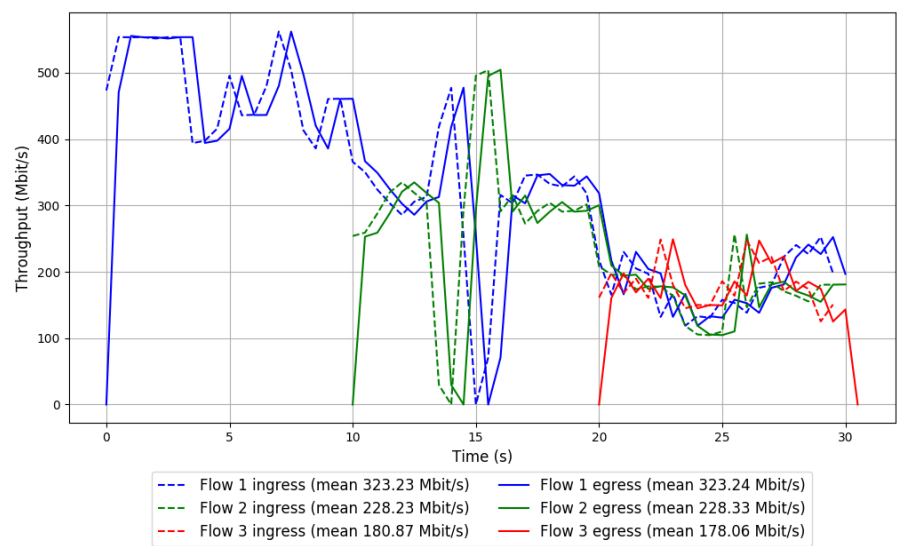


Run 2: Statistics of LEDBAT

Start at: 2019-11-24 16:39:29
End at: 2019-11-24 16:39:59
Local clock offset: 2.708 ms
Remote clock offset: -2.035 ms

Below is generated by plot.py at 2019-11-24 19:32:05
Datalink statistics
-- Total of 3 flows:
Average throughput: 533.01 Mbit/s
95th percentile per-packet one-way delay: 1.594 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 323.24 Mbit/s
95th percentile per-packet one-way delay: 1.670 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 228.33 Mbit/s
95th percentile per-packet one-way delay: 1.599 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 178.06 Mbit/s
95th percentile per-packet one-way delay: 1.310 ms
Loss rate: 0.21%

Run 2: Report of LEDBAT — Data Link



Run 3: Statistics of LEDBAT

Start at: 2019-11-24 17:13:48

End at: 2019-11-24 17:14:18

Local clock offset: 3.698 ms

Remote clock offset: 0.4 ms

Below is generated by plot.py at 2019-11-24 19:32:20

Datalink statistics

-- Total of 3 flows:

Average throughput: 461.53 Mbit/s

95th percentile per-packet one-way delay: 20.192 ms

Loss rate: 0.05%

-- Flow 1:

Average throughput: 278.06 Mbit/s

95th percentile per-packet one-way delay: 19.019 ms

Loss rate: 0.07%

-- Flow 2:

Average throughput: 180.01 Mbit/s

95th percentile per-packet one-way delay: 20.773 ms

Loss rate: 0.04%

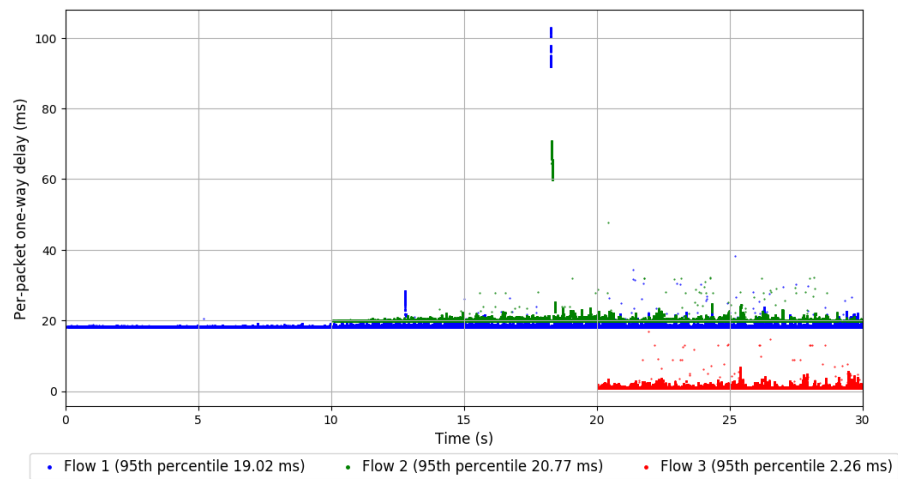
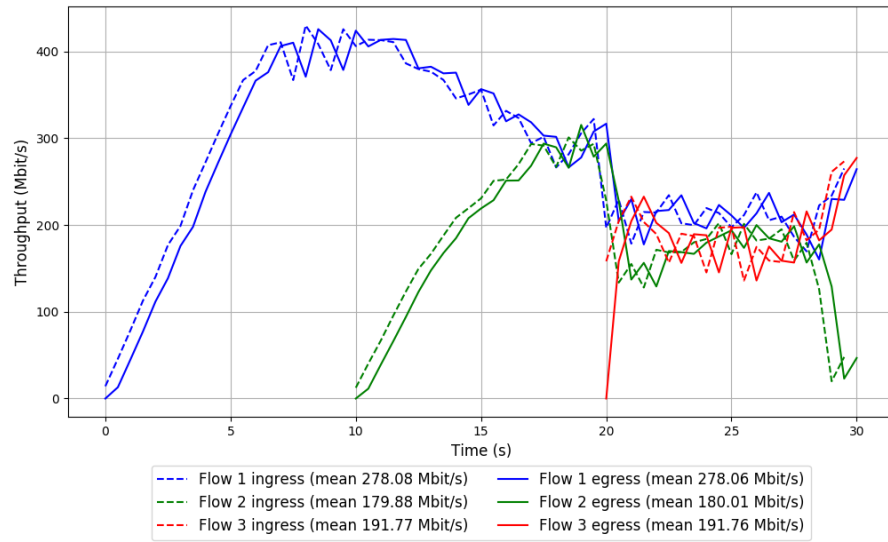
-- Flow 3:

Average throughput: 191.76 Mbit/s

95th percentile per-packet one-way delay: 2.257 ms

Loss rate: 0.00%

Run 3: Report of LEDBAT — Data Link

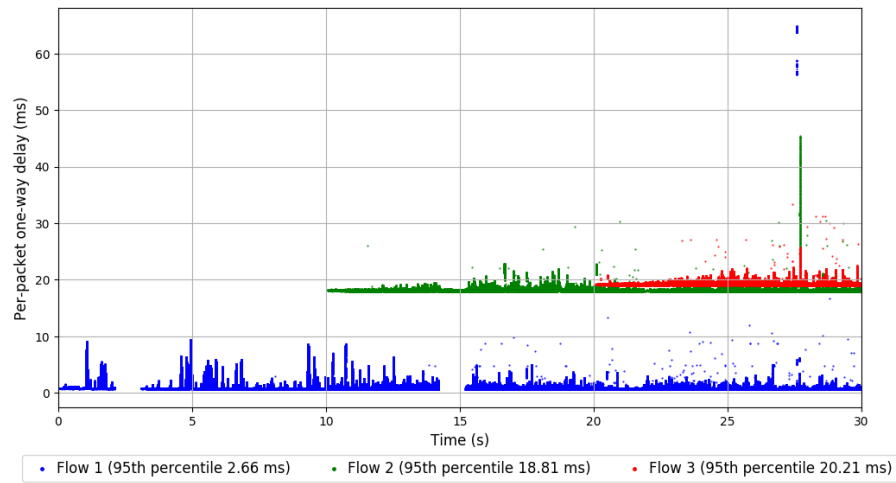
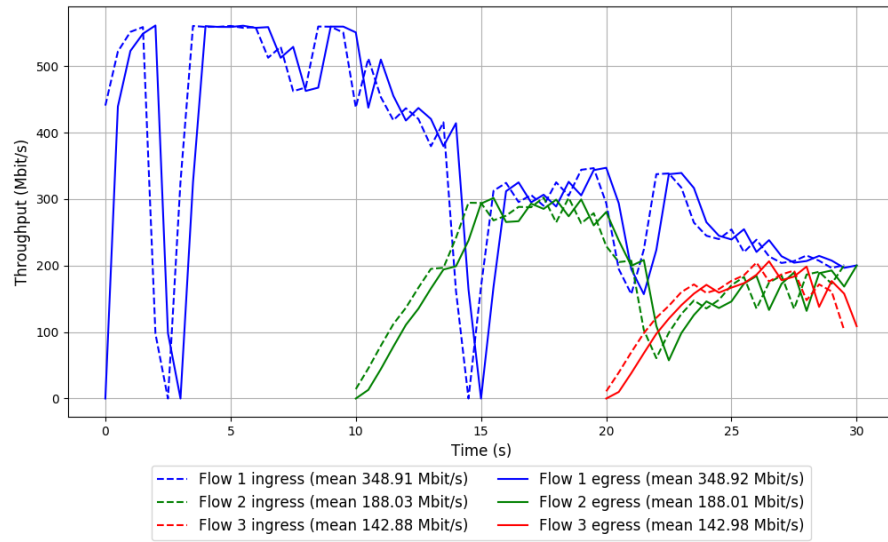


Run 4: Statistics of LEDBAT

Start at: 2019-11-24 17:48:32
End at: 2019-11-24 17:49:02
Local clock offset: 4.18 ms
Remote clock offset: -1.717 ms

Below is generated by plot.py at 2019-11-24 19:33:27
Datalink statistics
-- Total of 3 flows:
Average throughput: 521.28 Mbit/s
95th percentile per-packet one-way delay: 19.247 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 348.92 Mbit/s
95th percentile per-packet one-way delay: 2.658 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 188.01 Mbit/s
95th percentile per-packet one-way delay: 18.812 ms
Loss rate: 0.10%
-- Flow 3:
Average throughput: 142.98 Mbit/s
95th percentile per-packet one-way delay: 20.214 ms
Loss rate: 0.13%

Run 4: Report of LEDBAT — Data Link



Run 5: Statistics of LEDBAT

Start at: 2019-11-24 18:23:25

End at: 2019-11-24 18:23:55

Local clock offset: 4.257 ms

Remote clock offset: 0.083 ms

Below is generated by plot.py at 2019-11-24 19:33:27

Datalink statistics

-- Total of 3 flows:

Average throughput: 478.18 Mbit/s

95th percentile per-packet one-way delay: 18.668 ms

Loss rate: 0.02%

-- Flow 1:

Average throughput: 237.79 Mbit/s

95th percentile per-packet one-way delay: 19.004 ms

Loss rate: 0.03%

-- Flow 2:

Average throughput: 252.89 Mbit/s

95th percentile per-packet one-way delay: 2.040 ms

Loss rate: 0.01%

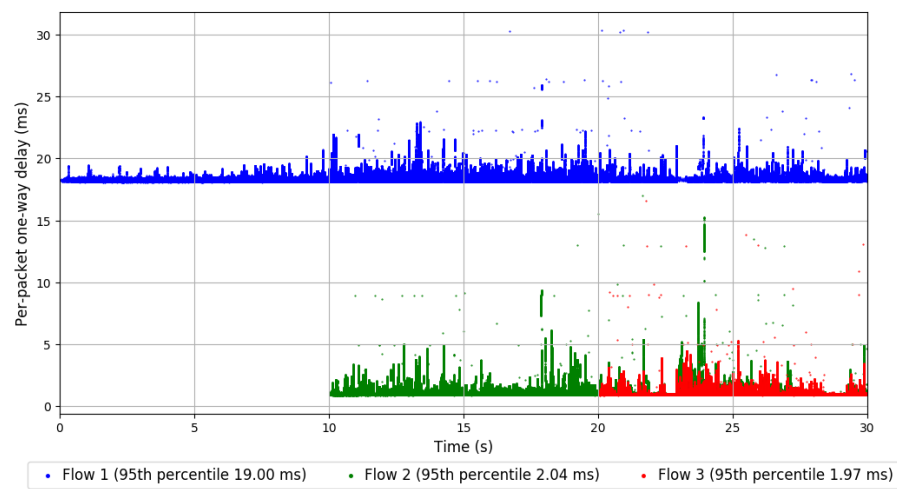
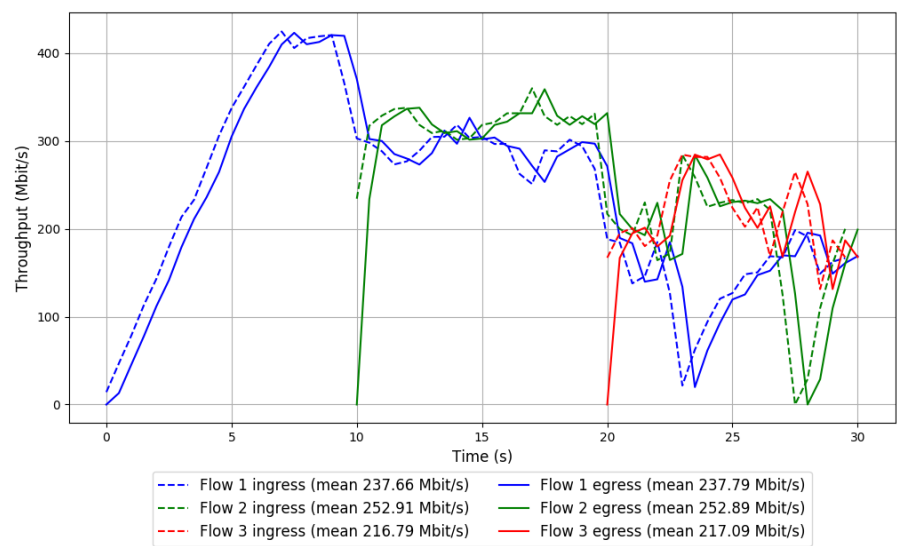
-- Flow 3:

Average throughput: 217.09 Mbit/s

95th percentile per-packet one-way delay: 1.972 ms

Loss rate: 0.00%

Run 5: Report of LEDBAT — Data Link



Run 1: Statistics of Muses_DecisionTree

Start at: 2019-11-24 15:52:08

End at: 2019-11-24 15:52:38

Local clock offset: 2.961 ms

Remote clock offset: 0.751 ms

Below is generated by plot.py at 2019-11-24 19:33:27

Datalink statistics

-- Total of 3 flows:

Average throughput: 71.40 Mbit/s

95th percentile per-packet one-way delay: 19.324 ms

Loss rate: 0.04%

-- Flow 1:

Average throughput: 49.46 Mbit/s

95th percentile per-packet one-way delay: 19.237 ms

Loss rate: 0.02%

-- Flow 2:

Average throughput: 28.04 Mbit/s

95th percentile per-packet one-way delay: 19.388 ms

Loss rate: 0.11%

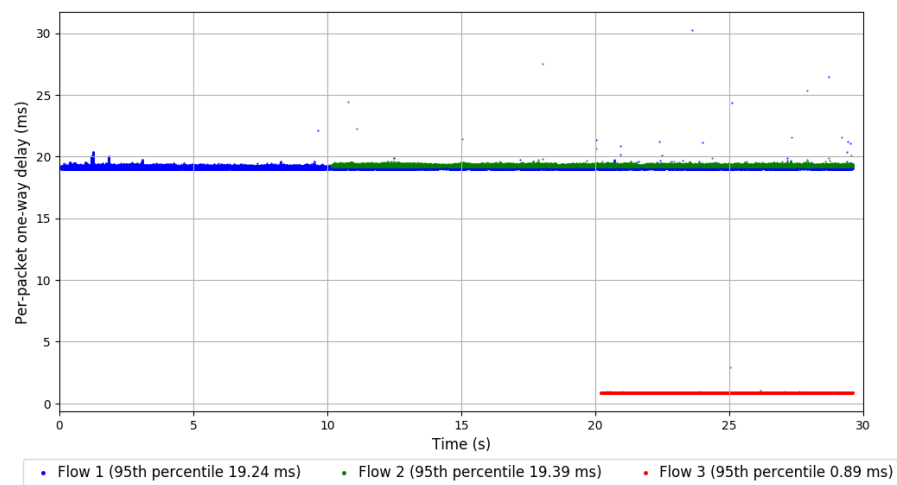
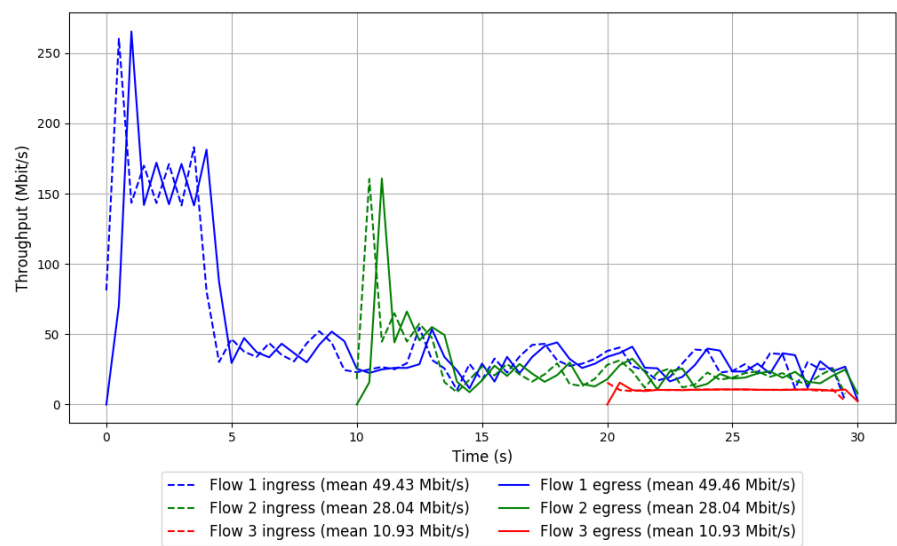
-- Flow 3:

Average throughput: 10.93 Mbit/s

95th percentile per-packet one-way delay: 0.887 ms

Loss rate: 0.02%

Run 1: Report of Muses_DecisionTree — Data Link



Run 2: Statistics of Muses_DecisionTree

Start at: 2019-11-24 16:27:01

End at: 2019-11-24 16:27:31

Local clock offset: 2.768 ms

Remote clock offset: 1.539 ms

Below is generated by plot.py at 2019-11-24 19:33:27

Datalink statistics

-- Total of 3 flows:

Average throughput: 155.64 Mbit/s

95th percentile per-packet one-way delay: 19.757 ms

Loss rate: 0.05%

-- Flow 1:

Average throughput: 144.12 Mbit/s

95th percentile per-packet one-way delay: 19.761 ms

Loss rate: 0.05%

-- Flow 2:

Average throughput: 11.96 Mbit/s

95th percentile per-packet one-way delay: 0.711 ms

Loss rate: 0.01%

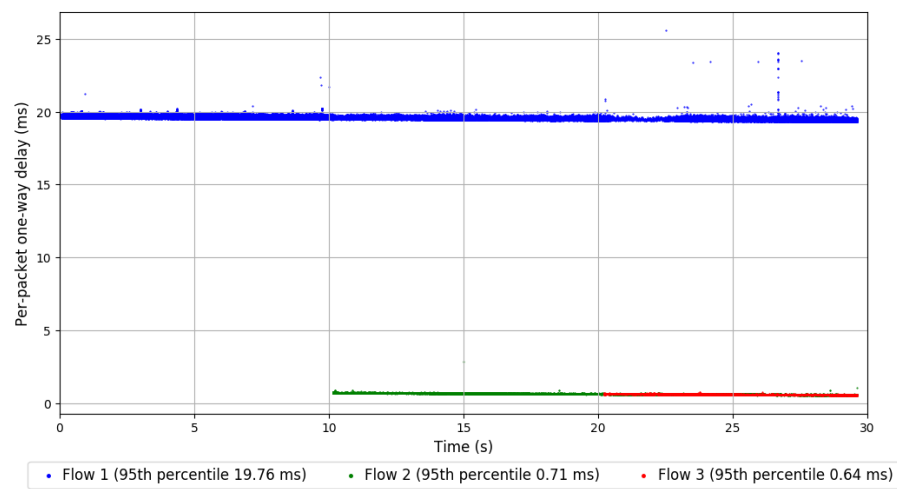
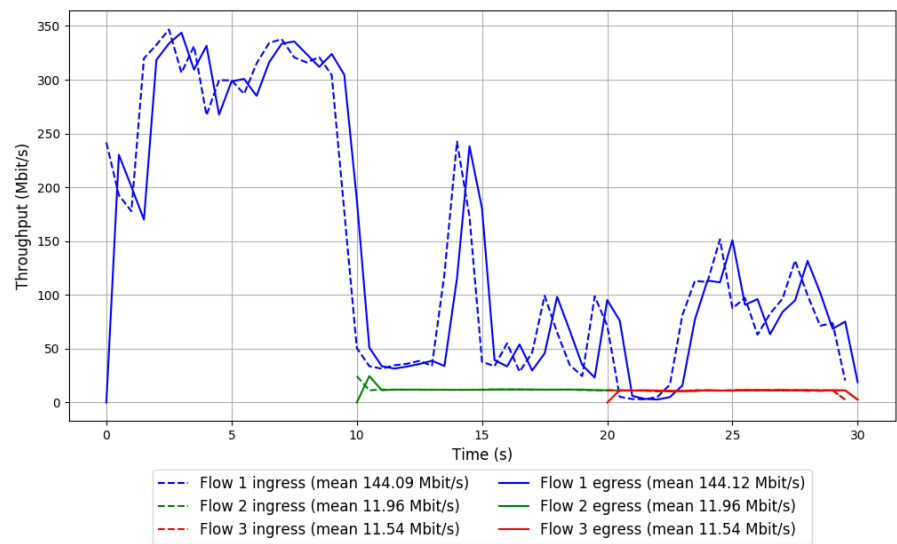
-- Flow 3:

Average throughput: 11.54 Mbit/s

95th percentile per-packet one-way delay: 0.639 ms

Loss rate: 0.02%

Run 2: Report of Muses_DecisionTree — Data Link

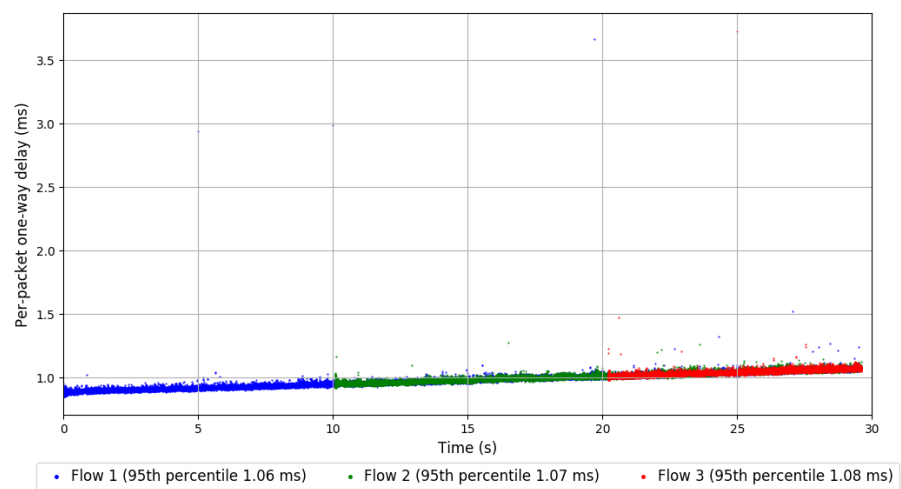
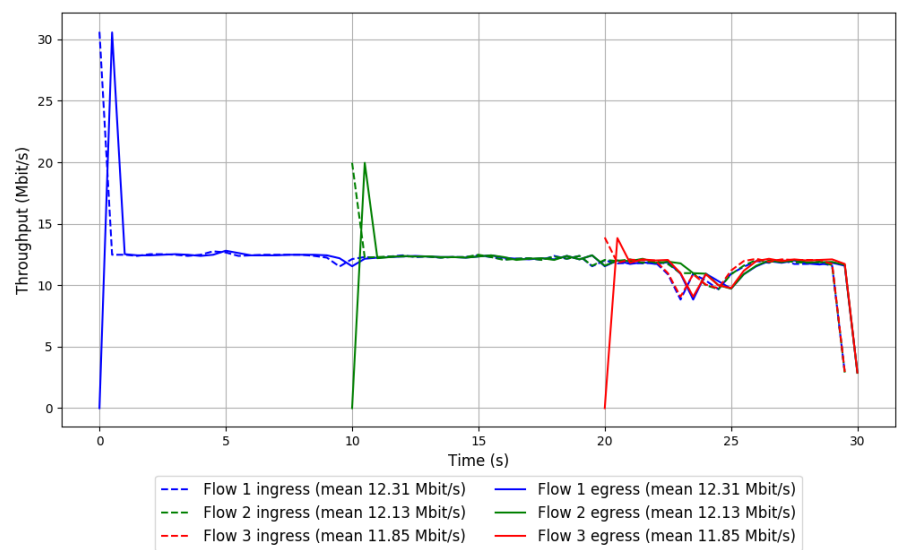


Run 3: Statistics of Muses_DecisionTree

Start at: 2019-11-24 17:01:17
End at: 2019-11-24 17:01:47
Local clock offset: 3.522 ms
Remote clock offset: -2.689 ms

Below is generated by plot.py at 2019-11-24 19:33:27
Datalink statistics
-- Total of 3 flows:
Average throughput: 24.07 Mbit/s
95th percentile per-packet one-way delay: 1.070 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 12.31 Mbit/s
95th percentile per-packet one-way delay: 1.064 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 12.13 Mbit/s
95th percentile per-packet one-way delay: 1.070 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 11.85 Mbit/s
95th percentile per-packet one-way delay: 1.078 ms
Loss rate: 0.02%

Run 3: Report of Muses_DecisionTree — Data Link



Run 4: Statistics of Muses_DecisionTree

Start at: 2019-11-24 17:36:04

End at: 2019-11-24 17:36:34

Local clock offset: 3.982 ms

Remote clock offset: 1.713 ms

Below is generated by plot.py at 2019-11-24 19:33:27

Datalink statistics

-- Total of 3 flows:

Average throughput: 38.71 Mbit/s

95th percentile per-packet one-way delay: 18.446 ms

Loss rate: 0.10%

-- Flow 1:

Average throughput: 12.05 Mbit/s

95th percentile per-packet one-way delay: 0.817 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 11.99 Mbit/s

95th percentile per-packet one-way delay: 0.733 ms

Loss rate: 0.00%

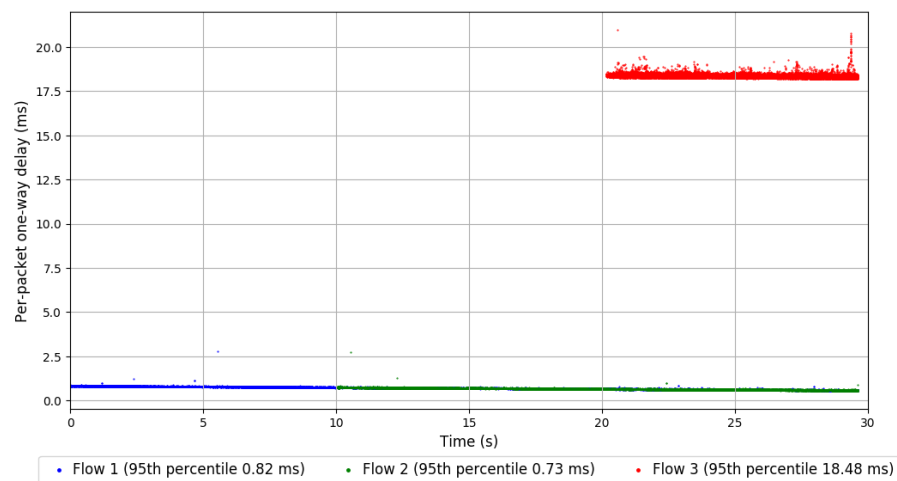
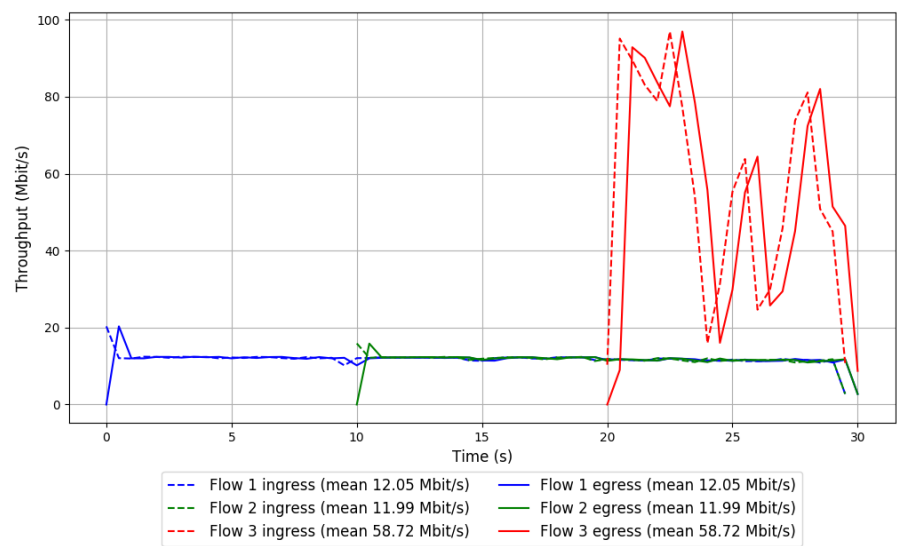
-- Flow 3:

Average throughput: 58.72 Mbit/s

95th percentile per-packet one-way delay: 18.485 ms

Loss rate: 0.20%

Run 4: Report of Muses_DecisionTree — Data Link

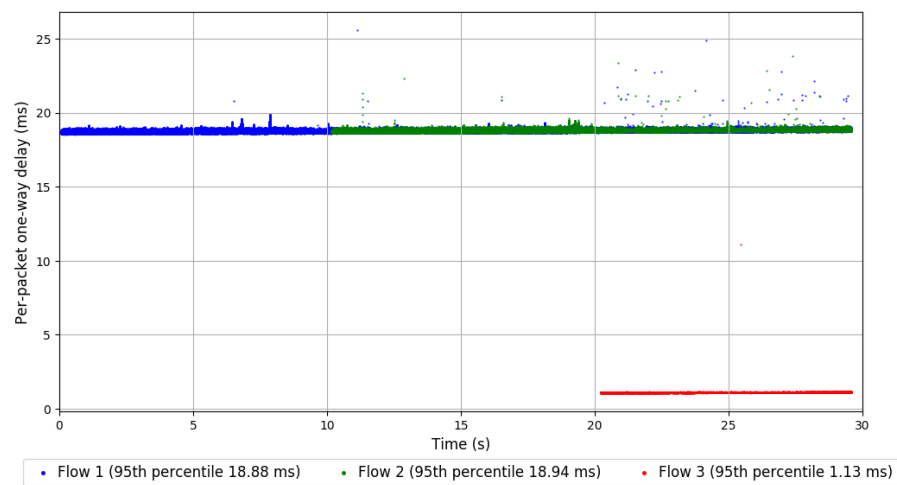
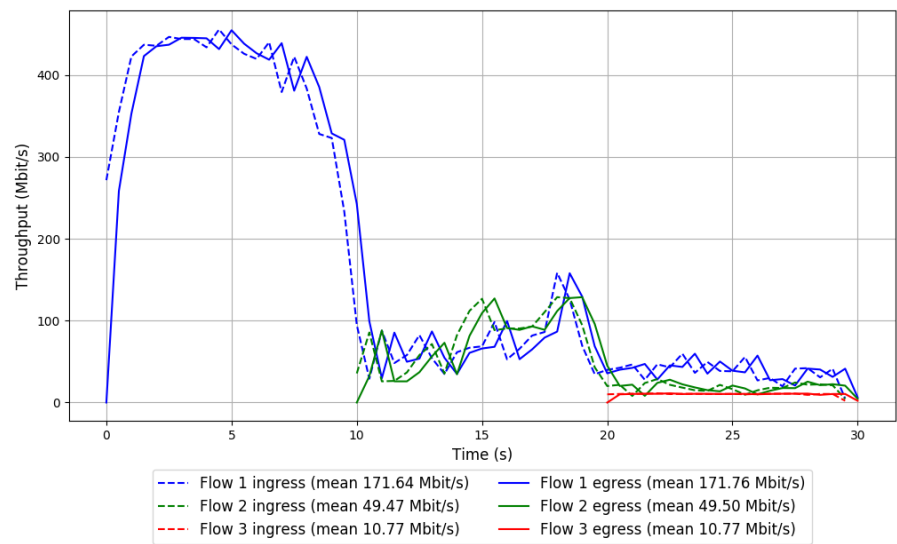


Run 5: Statistics of Muses_DecisionTree

Start at: 2019-11-24 18:10:45
End at: 2019-11-24 18:11:15
Local clock offset: 4.46 ms
Remote clock offset: -2.217 ms

Below is generated by plot.py at 2019-11-24 19:33:27
Datalink statistics
-- Total of 3 flows:
Average throughput: 207.73 Mbit/s
95th percentile per-packet one-way delay: 18.892 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 171.76 Mbit/s
95th percentile per-packet one-way delay: 18.878 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 49.50 Mbit/s
95th percentile per-packet one-way delay: 18.938 ms
Loss rate: 0.05%
-- Flow 3:
Average throughput: 10.77 Mbit/s
95th percentile per-packet one-way delay: 1.132 ms
Loss rate: 0.02%

Run 5: Report of Muses_DecisionTree — Data Link



Run 1: Statistics of Muses_DecisionTreeH0

Start at: 2019-11-24 16:01:57

End at: 2019-11-24 16:02:27

Local clock offset: 2.879 ms

Remote clock offset: 0.67 ms

Below is generated by plot.py at 2019-11-24 19:33:27

Datalink statistics

-- Total of 3 flows:

Average throughput: 224.60 Mbit/s

95th percentile per-packet one-way delay: 20.049 ms

Loss rate: 0.04%

-- Flow 1:

Average throughput: 212.97 Mbit/s

95th percentile per-packet one-way delay: 20.051 ms

Loss rate: 0.04%

-- Flow 2:

Average throughput: 11.88 Mbit/s

95th percentile per-packet one-way delay: 1.033 ms

Loss rate: 0.01%

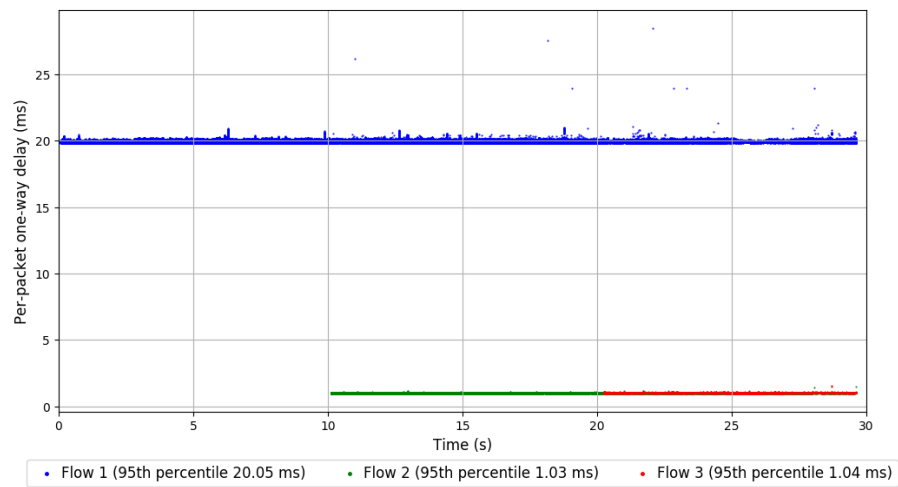
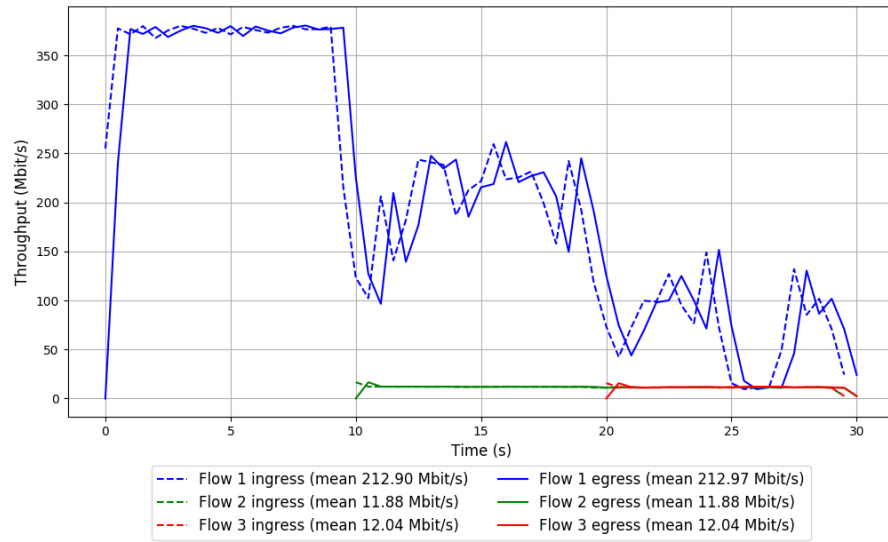
-- Flow 3:

Average throughput: 12.04 Mbit/s

95th percentile per-packet one-way delay: 1.040 ms

Loss rate: 0.02%

Run 1: Report of Muses_DecisionTreeH0 — Data Link

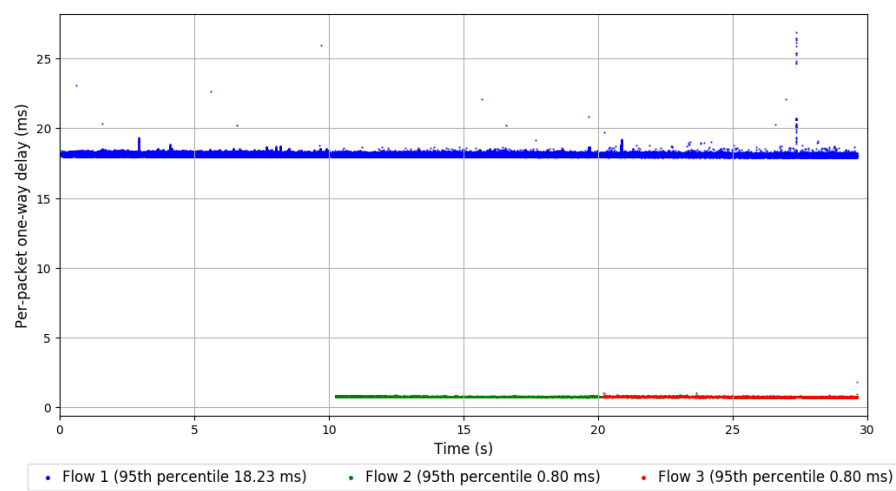
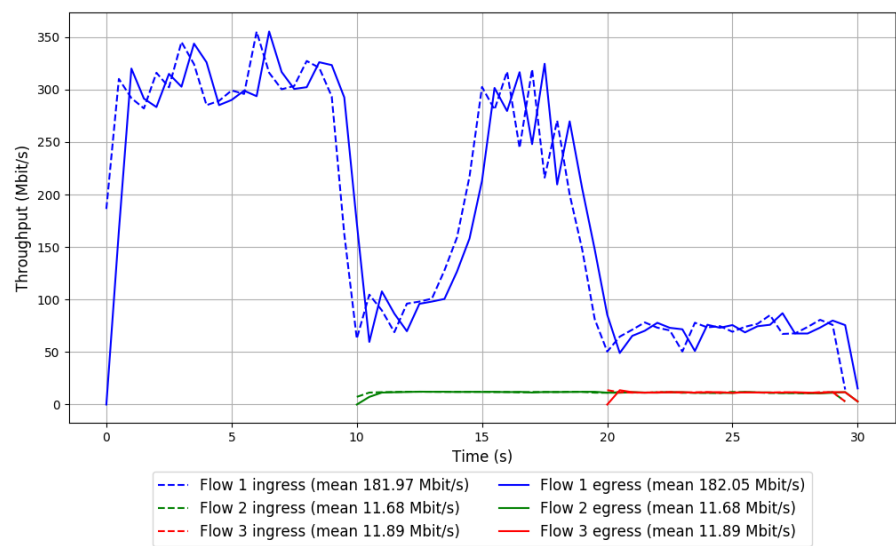


Run 2: Statistics of Muses_DecisionTreeH0

Start at: 2019-11-24 16:36:42
End at: 2019-11-24 16:37:12
Local clock offset: 2.702 ms
Remote clock offset: -1.526 ms

Below is generated by plot.py at 2019-11-24 19:33:27
Datalink statistics
-- Total of 3 flows:
Average throughput: 193.46 Mbit/s
95th percentile per-packet one-way delay: 18.230 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 182.05 Mbit/s
95th percentile per-packet one-way delay: 18.233 ms
Loss rate: 0.02%
-- Flow 2:
Average throughput: 11.68 Mbit/s
95th percentile per-packet one-way delay: 0.799 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 11.89 Mbit/s
95th percentile per-packet one-way delay: 0.796 ms
Loss rate: 0.01%

Run 2: Report of Muses_DecisionTreeH0 — Data Link

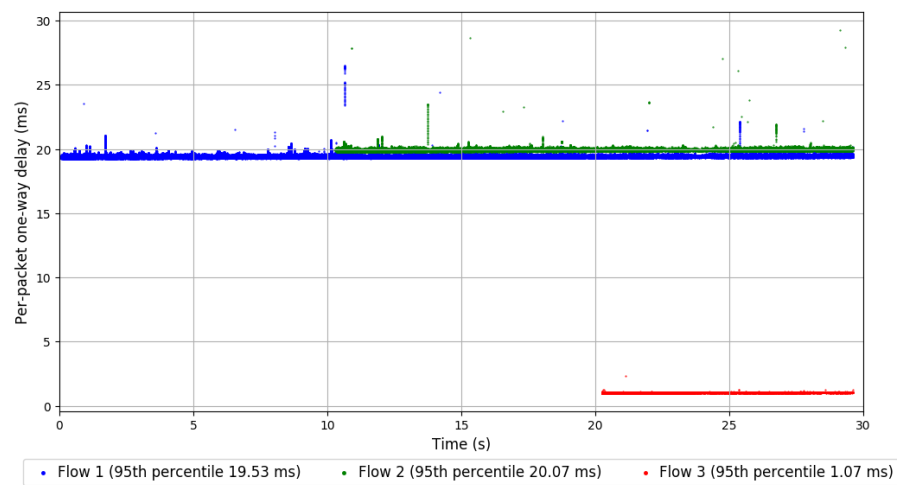
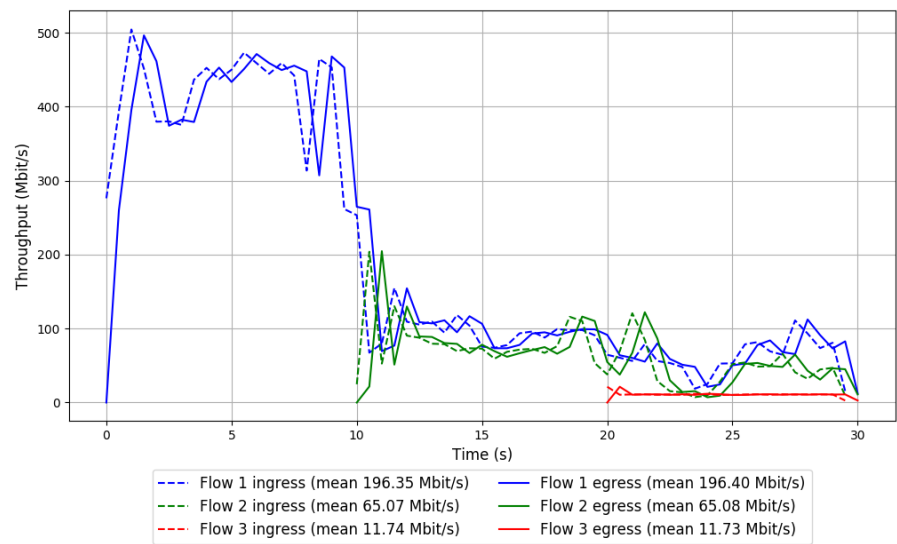


Run 3: Statistics of Muses_DecisionTreeH0

Start at: 2019-11-24 17:11:00
End at: 2019-11-24 17:11:30
Local clock offset: 3.644 ms
Remote clock offset: -0.135 ms

Below is generated by plot.py at 2019-11-24 19:34:09
Datalink statistics
-- Total of 3 flows:
Average throughput: 242.65 Mbit/s
95th percentile per-packet one-way delay: 19.968 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 196.40 Mbit/s
95th percentile per-packet one-way delay: 19.533 ms
Loss rate: 0.04%
-- Flow 2:
Average throughput: 65.08 Mbit/s
95th percentile per-packet one-way delay: 20.066 ms
Loss rate: 0.03%
-- Flow 3:
Average throughput: 11.73 Mbit/s
95th percentile per-packet one-way delay: 1.066 ms
Loss rate: 0.01%

Run 3: Report of Muses_DecisionTreeH0 — Data Link

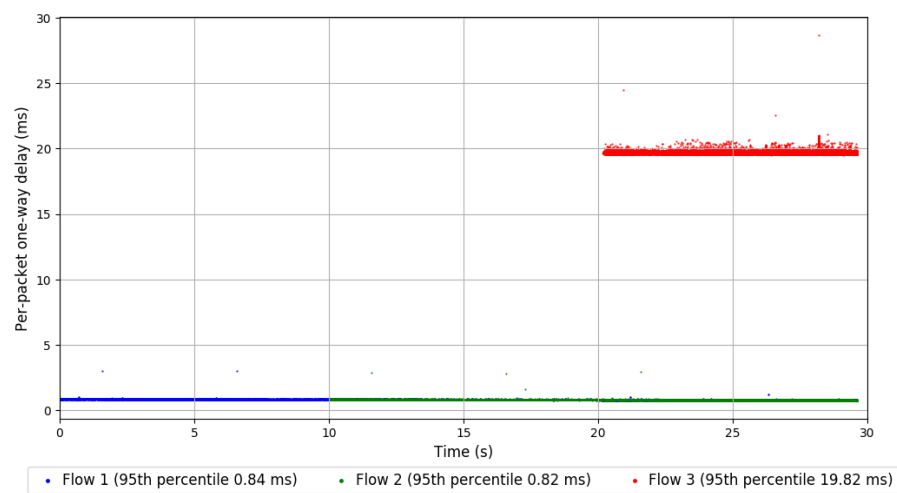
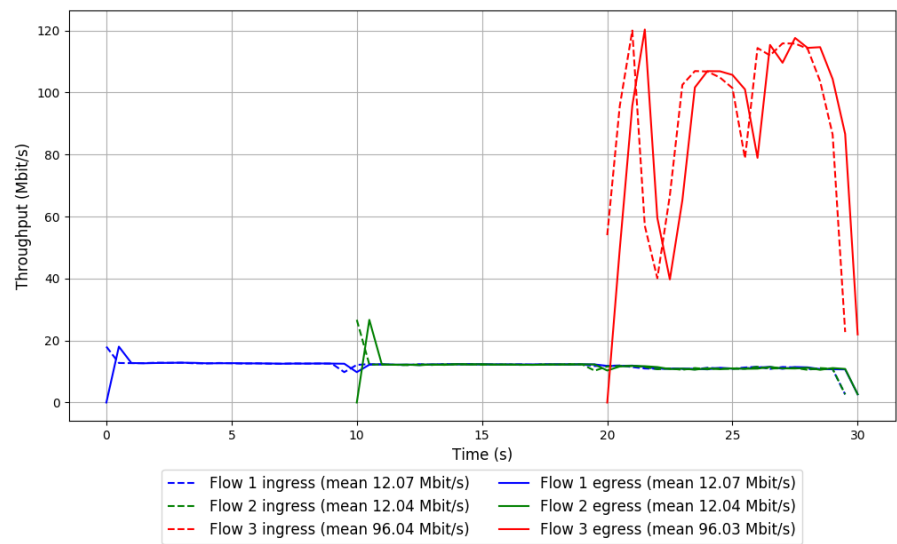


Run 4: Statistics of Muses_DecisionTreeH0

Start at: 2019-11-24 17:45:50
End at: 2019-11-24 17:46:20
Local clock offset: 4.123 ms
Remote clock offset: -1.382 ms

Below is generated by plot.py at 2019-11-24 19:34:09
Datalink statistics
-- Total of 3 flows:
Average throughput: 50.67 Mbit/s
95th percentile per-packet one-way delay: 19.791 ms
Loss rate: 0.14%
-- Flow 1:
Average throughput: 12.07 Mbit/s
95th percentile per-packet one-way delay: 0.845 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 12.04 Mbit/s
95th percentile per-packet one-way delay: 0.825 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 96.03 Mbit/s
95th percentile per-packet one-way delay: 19.817 ms
Loss rate: 0.22%

Run 4: Report of Muses_DecisionTreeH0 — Data Link

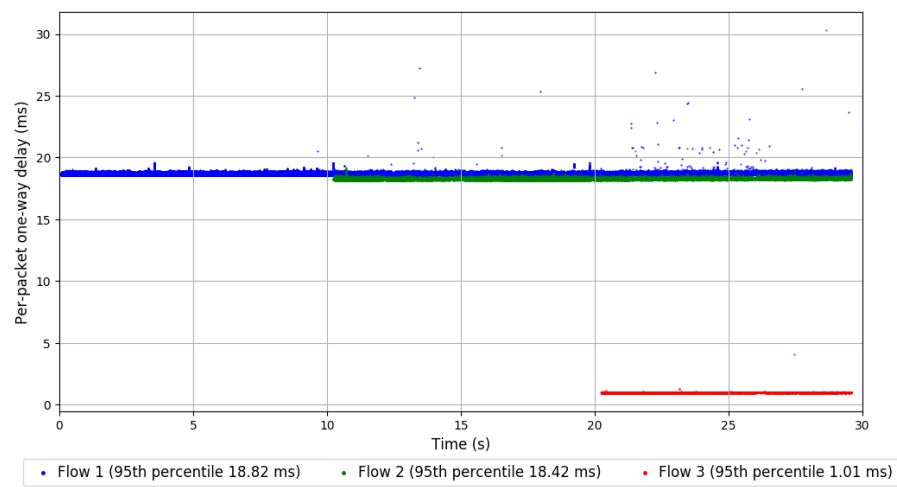
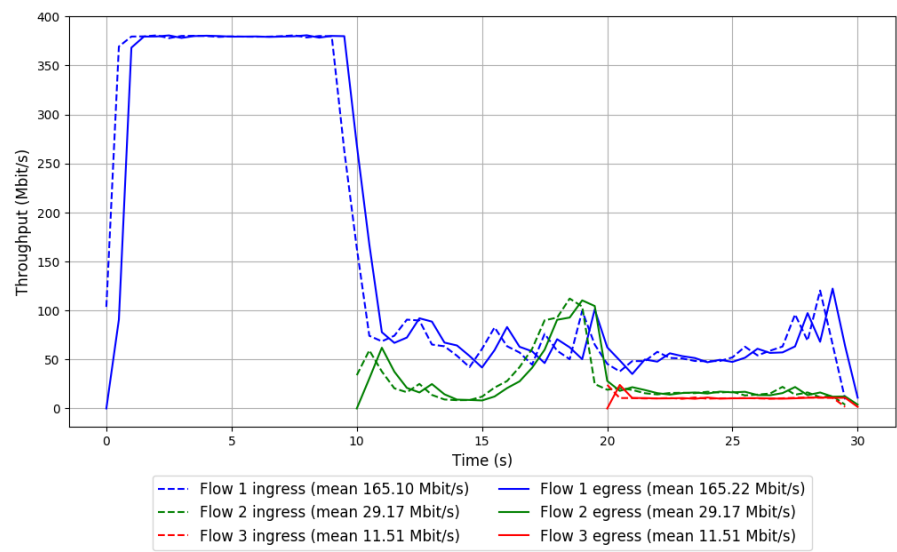


Run 5: Statistics of Muses_DecisionTreeH0

Start at: 2019-11-24 18:20:39
End at: 2019-11-24 18:21:09
Local clock offset: 4.285 ms
Remote clock offset: -0.239 ms

Below is generated by plot.py at 2019-11-24 19:34:09
Datalink statistics
-- Total of 3 flows:
Average throughput: 187.94 Mbit/s
95th percentile per-packet one-way delay: 18.816 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 165.22 Mbit/s
95th percentile per-packet one-way delay: 18.822 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 29.17 Mbit/s
95th percentile per-packet one-way delay: 18.420 ms
Loss rate: 0.06%
-- Flow 3:
Average throughput: 11.51 Mbit/s
95th percentile per-packet one-way delay: 1.012 ms
Loss rate: 0.02%

Run 5: Report of Muses_DecisionTreeH0 — Data Link

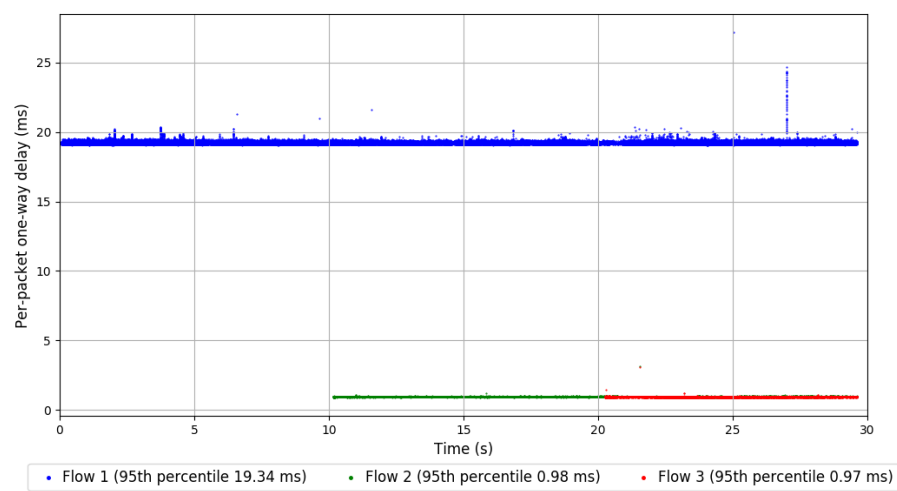
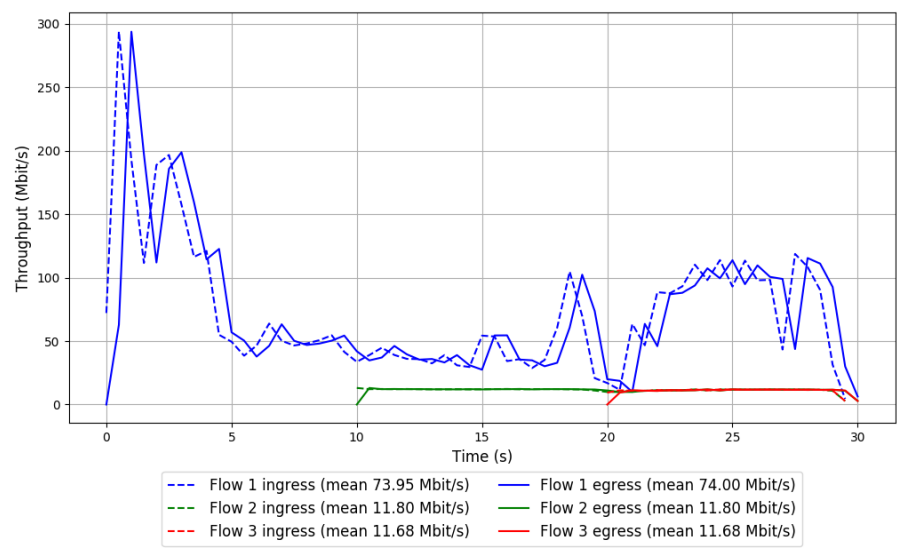


```
Run 1: Statistics of Muses\_DecisionTreeR0

Start at: 2019-11-24 15:58:03
End at: 2019-11-24 15:58:33
Local clock offset: 2.89 ms
Remote clock offset: 0.609 ms

# Below is generated by plot.py at 2019-11-24 19:34:09
# Datalink statistics
-- Total of 3 flows:
Average throughput: 85.44 Mbit/s
95th percentile per-packet one-way delay: 19.337 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 74.00 Mbit/s
95th percentile per-packet one-way delay: 19.345 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 11.80 Mbit/s
95th percentile per-packet one-way delay: 0.981 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 11.68 Mbit/s
95th percentile per-packet one-way delay: 0.966 ms
Loss rate: 0.00%
```

Run 1: Report of Muses_DecisionTreeR0 — Data Link



Run 2: Statistics of Muses_DecisionTreeR0

Start at: 2019-11-24 16:32:51

End at: 2019-11-24 16:33:21

Local clock offset: 2.715 ms

Remote clock offset: -0.71 ms

Below is generated by plot.py at 2019-11-24 19:34:09

Datalink statistics

-- Total of 3 flows:

Average throughput: 23.89 Mbit/s

95th percentile per-packet one-way delay: 0.823 ms

Loss rate: 0.01%

-- Flow 1:

Average throughput: 11.98 Mbit/s

95th percentile per-packet one-way delay: 0.829 ms

Loss rate: 0.01%

-- Flow 2:

Average throughput: 12.56 Mbit/s

95th percentile per-packet one-way delay: 0.792 ms

Loss rate: 0.01%

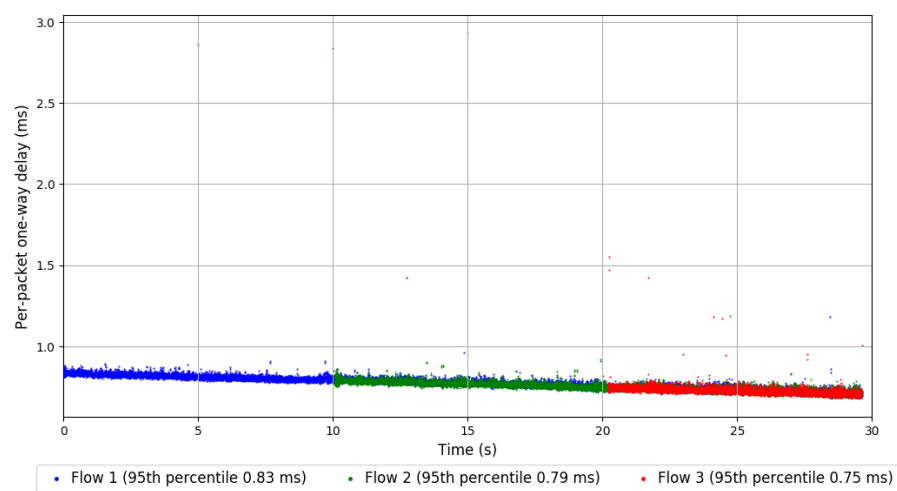
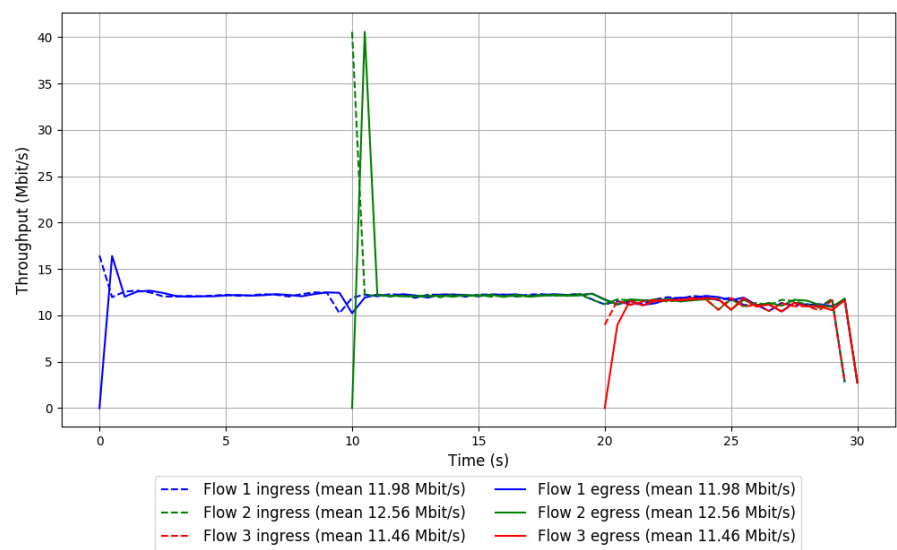
-- Flow 3:

Average throughput: 11.46 Mbit/s

95th percentile per-packet one-way delay: 0.753 ms

Loss rate: 0.01%

Run 2: Report of Muses_DecisionTreeR0 — Data Link

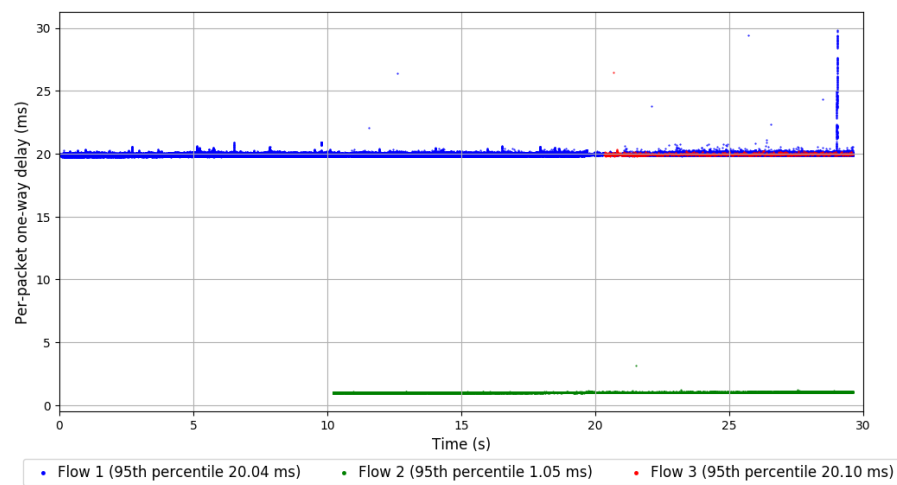
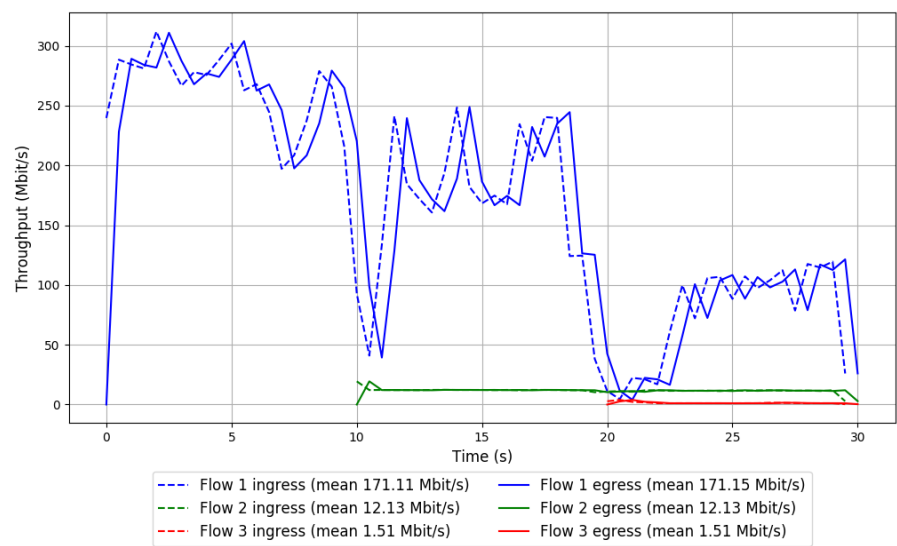


Run 3: Statistics of Muses_DecisionTreeR0

Start at: 2019-11-24 17:07:03
End at: 2019-11-24 17:07:33
Local clock offset: 3.615 ms
Remote clock offset: -0.925 ms

Below is generated by plot.py at 2019-11-24 19:34:19
Datalink statistics
-- Total of 3 flows:
Average throughput: 179.57 Mbit/s
95th percentile per-packet one-way delay: 20.039 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 171.15 Mbit/s
95th percentile per-packet one-way delay: 20.041 ms
Loss rate: 0.04%
-- Flow 2:
Average throughput: 12.13 Mbit/s
95th percentile per-packet one-way delay: 1.051 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 1.51 Mbit/s
95th percentile per-packet one-way delay: 20.099 ms
Loss rate: 0.17%

Run 3: Report of Muses_DecisionTreeR0 — Data Link



Run 4: Statistics of Muses_DecisionTreeR0

Start at: 2019-11-24 17:41:52

End at: 2019-11-24 17:42:22

Local clock offset: 4.038 ms

Remote clock offset: -0.54 ms

Below is generated by plot.py at 2019-11-24 19:34:19

Datalink statistics

-- Total of 3 flows:

Average throughput: 103.43 Mbit/s

95th percentile per-packet one-way delay: 19.161 ms

Loss rate: 0.02%

-- Flow 1:

Average throughput: 92.27 Mbit/s

95th percentile per-packet one-way delay: 19.167 ms

Loss rate: 0.01%

-- Flow 2:

Average throughput: 11.63 Mbit/s

95th percentile per-packet one-way delay: 0.784 ms

Loss rate: 0.01%

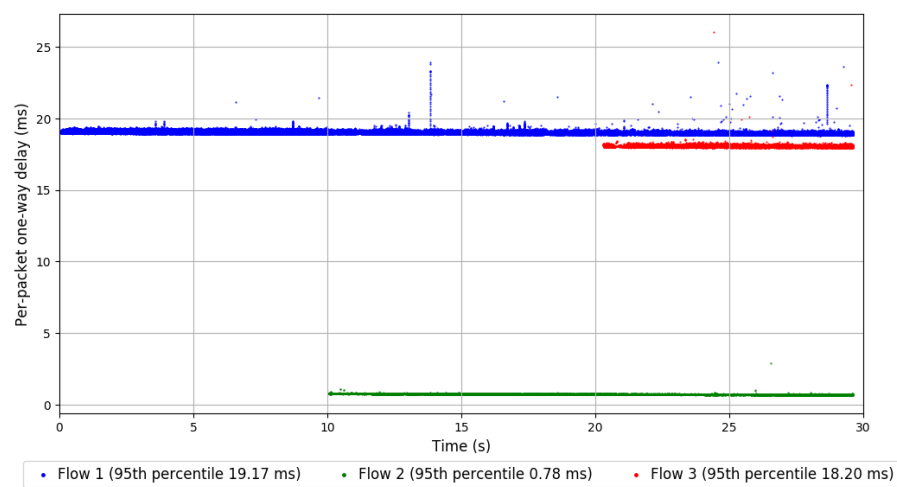
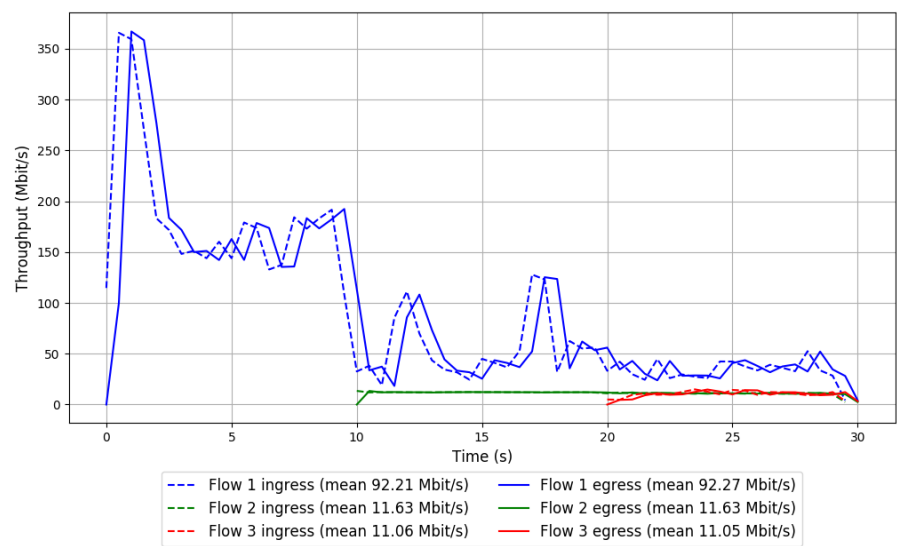
-- Flow 3:

Average throughput: 11.05 Mbit/s

95th percentile per-packet one-way delay: 18.200 ms

Loss rate: 0.32%

Run 4: Report of Muses_DecisionTreeR0 — Data Link

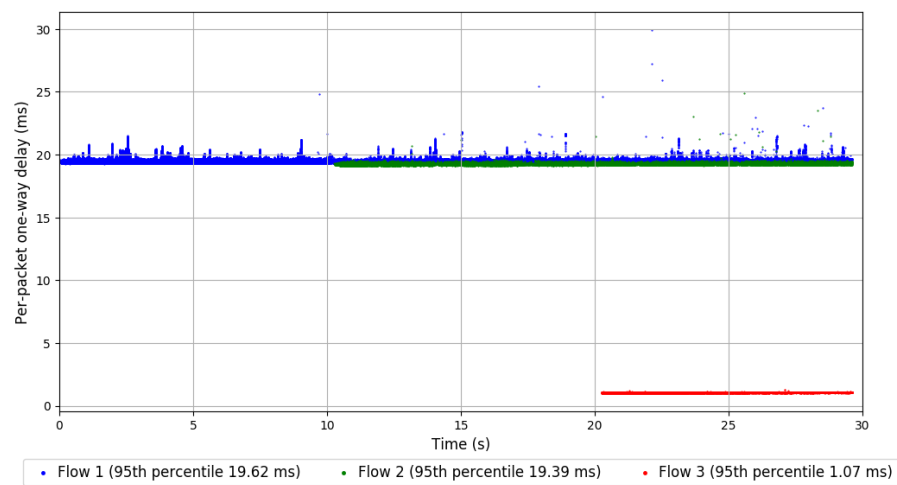
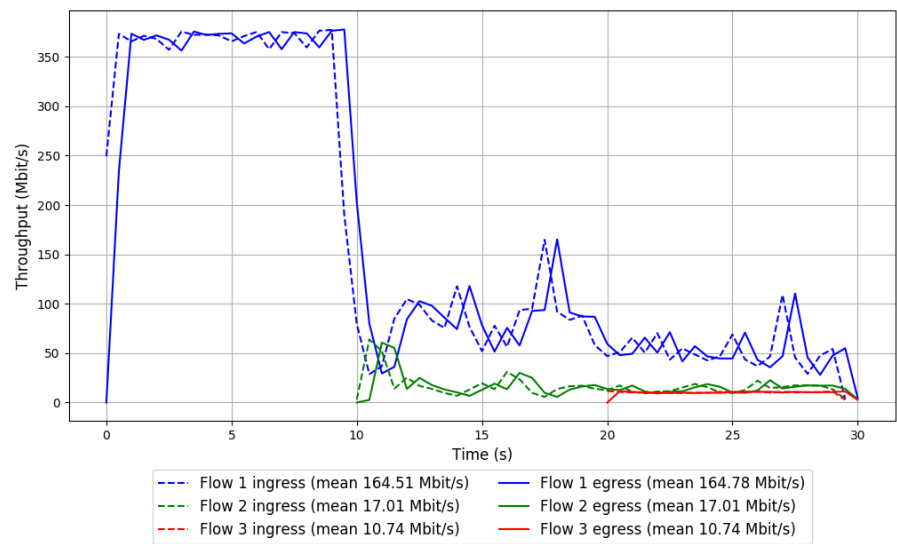


Run 5: Statistics of Muses_DecisionTreeR0

Start at: 2019-11-24 18:16:42
End at: 2019-11-24 18:17:12
Local clock offset: 4.31 ms
Remote clock offset: -0.877 ms

Below is generated by plot.py at 2019-11-24 19:34:24
Datalink statistics
-- Total of 3 flows:
Average throughput: 179.16 Mbit/s
95th percentile per-packet one-way delay: 19.615 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 164.78 Mbit/s
95th percentile per-packet one-way delay: 19.623 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 17.01 Mbit/s
95th percentile per-packet one-way delay: 19.394 ms
Loss rate: 0.11%
-- Flow 3:
Average throughput: 10.74 Mbit/s
95th percentile per-packet one-way delay: 1.069 ms
Loss rate: 0.02%

Run 5: Report of Muses_DecisionTreeR0 — Data Link



Run 1: Statistics of PCC-Allegro

Start at: 2019-11-24 16:18:14

End at: 2019-11-24 16:18:44

Local clock offset: 2.792 ms

Remote clock offset: 1.468 ms

Below is generated by plot.py at 2019-11-24 19:40:58

Datalink statistics

-- Total of 3 flows:

Average throughput: 728.62 Mbit/s

95th percentile per-packet one-way delay: 31.041 ms

Loss rate: 0.08%

-- Flow 1:

Average throughput: 600.30 Mbit/s

95th percentile per-packet one-way delay: 31.946 ms

Loss rate: 0.09%

-- Flow 2:

Average throughput: 122.49 Mbit/s

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

Loss rate: 0.01%

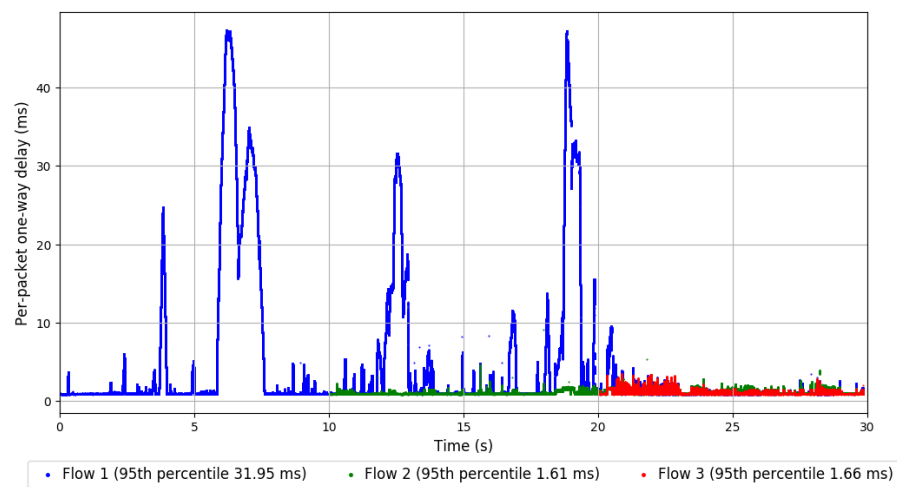
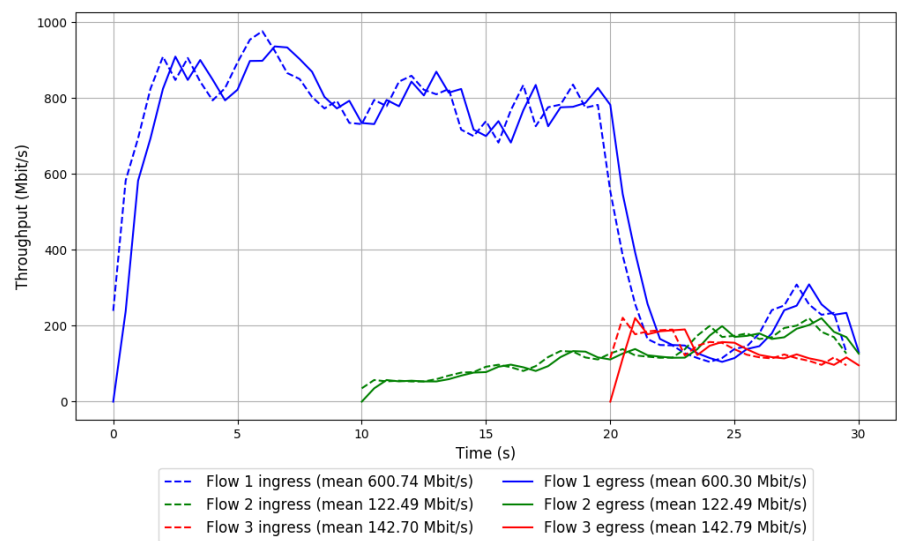
-- Flow 3:

Average throughput: 142.79 Mbit/s

95th percentile per-packet one-way delay: 1.661 ms

Loss rate: 0.01%

Run 1: Report of PCC-Allegro — Data Link

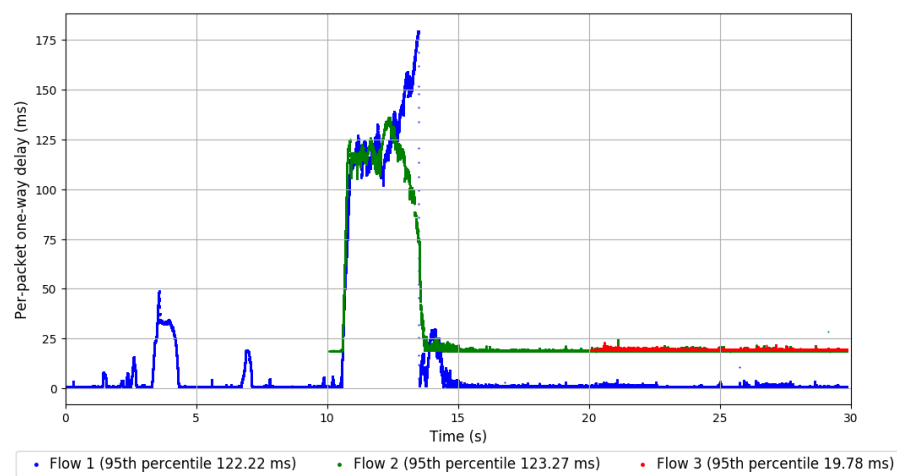
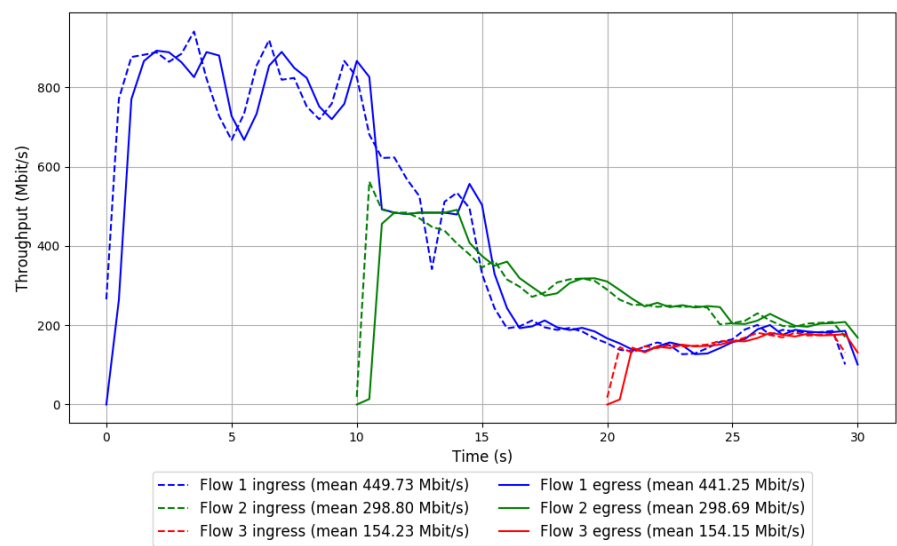


Run 2: Statistics of PCC-Allegro

Start at: 2019-11-24 16:52:44
End at: 2019-11-24 16:53:14
Local clock offset: 3.358 ms
Remote clock offset: -2.933 ms

Below is generated by plot.py at 2019-11-24 19:40:58
Datalink statistics
-- Total of 3 flows:
Average throughput: 690.01 Mbit/s
95th percentile per-packet one-way delay: 121.893 ms
Loss rate: 1.28%
-- Flow 1:
Average throughput: 441.25 Mbit/s
95th percentile per-packet one-way delay: 122.217 ms
Loss rate: 1.90%
-- Flow 2:
Average throughput: 298.69 Mbit/s
95th percentile per-packet one-way delay: 123.270 ms
Loss rate: 0.13%
-- Flow 3:
Average throughput: 154.15 Mbit/s
95th percentile per-packet one-way delay: 19.783 ms
Loss rate: 0.26%

Run 2: Report of PCC-Allegro — Data Link



Run 3: Statistics of PCC-Allegro

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

End at: 2019-11-24 17:27:47

Local clock offset: 3.883 ms

Remote clock offset: 1.802 ms

Below is generated by plot.py at 2019-11-24 19:42:04

Datalink statistics

-- Total of 3 flows:

Average throughput: 781.81 Mbit/s

95th percentile per-packet one-way delay: 131.663 ms

Loss rate: 0.06%

-- Flow 1:

Average throughput: 622.24 Mbit/s

95th percentile per-packet one-way delay: 132.522 ms

Loss rate: 0.06%

-- Flow 2:

Average throughput: 175.05 Mbit/s

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

Loss rate: 0.01%

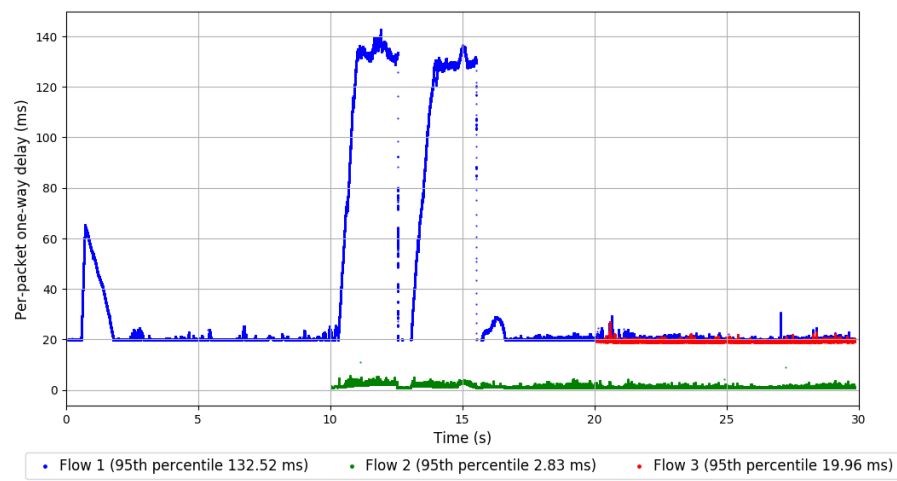
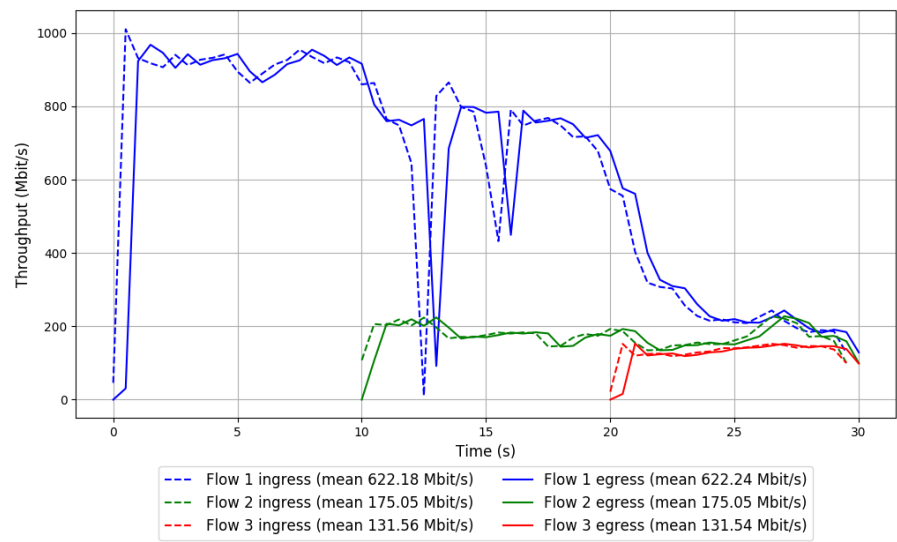
-- Flow 3:

Average throughput: 131.54 Mbit/s

95th percentile per-packet one-way delay: 19.962 ms

Loss rate: 0.23%

Run 3: Report of PCC-Allegro — Data Link

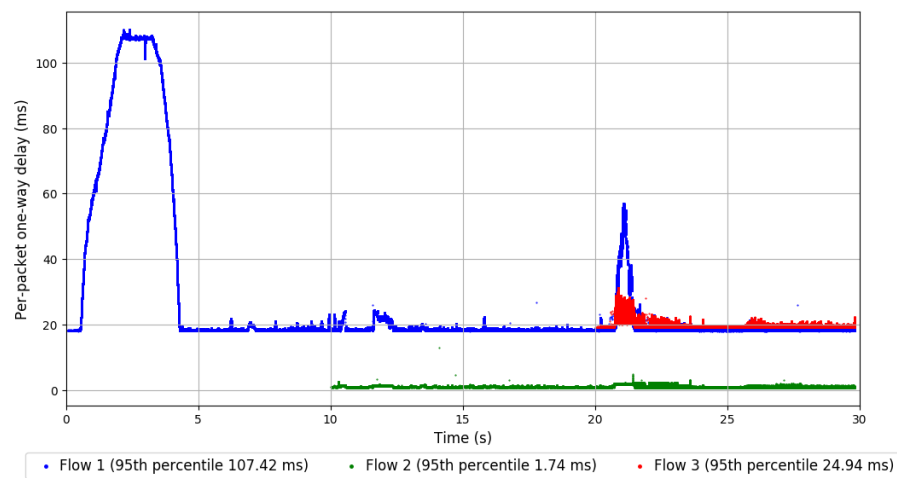
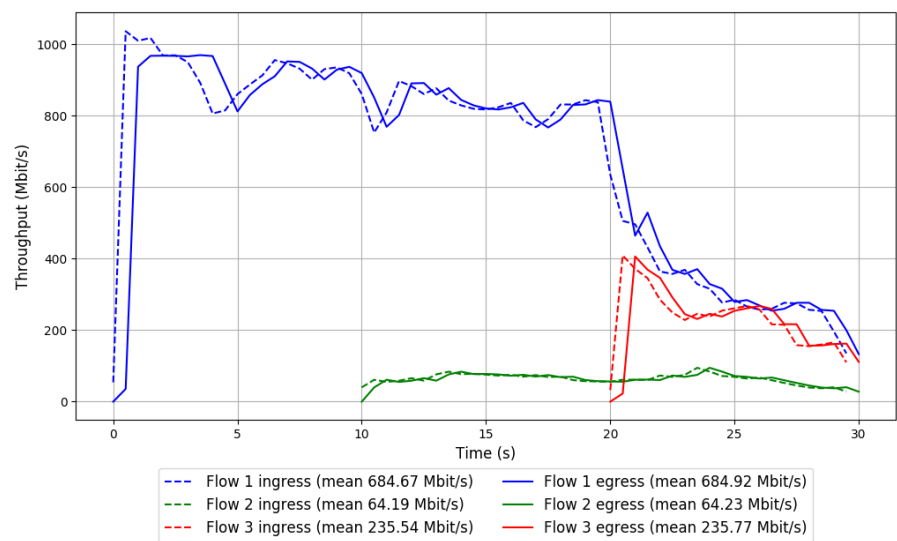


Run 4: Statistics of PCC-Allegro

Start at: 2019-11-24 18:01:58
End at: 2019-11-24 18:02:28
Local clock offset: 4.409 ms
Remote clock offset: -2.692 ms

Below is generated by plot.py at 2019-11-24 19:42:31
Datalink statistics
-- Total of 3 flows:
Average throughput: 805.08 Mbit/s
95th percentile per-packet one-way delay: 105.746 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 684.92 Mbit/s
95th percentile per-packet one-way delay: 107.423 ms
Loss rate: 0.04%
-- Flow 2:
Average throughput: 64.23 Mbit/s
95th percentile per-packet one-way delay: 1.736 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 235.77 Mbit/s
95th percentile per-packet one-way delay: 24.941 ms
Loss rate: 0.15%

Run 4: Report of PCC-Allegro — Data Link



Run 5: Statistics of PCC-Allegro

Start at: 2019-11-24 18:36:44

End at: 2019-11-24 18:37:14

Local clock offset: 4.279 ms

Remote clock offset: 1.032 ms

Below is generated by plot.py at 2019-11-24 19:42:31

Datalink statistics

-- Total of 3 flows:

Average throughput: 673.96 Mbit/s

95th percentile per-packet one-way delay: 2.812 ms

Loss rate: 0.01%

-- Flow 1:

Average throughput: 507.80 Mbit/s

95th percentile per-packet one-way delay: 4.419 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 172.14 Mbit/s

95th percentile per-packet one-way delay: 1.372 ms

Loss rate: 0.04%

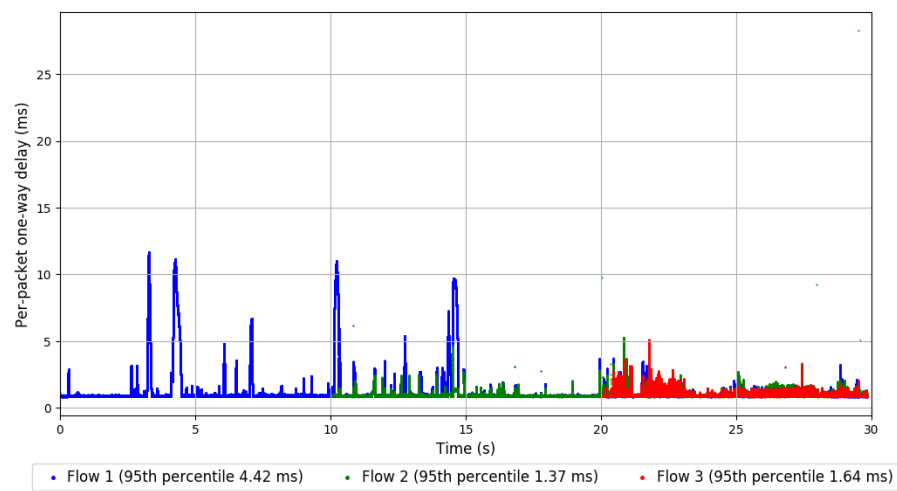
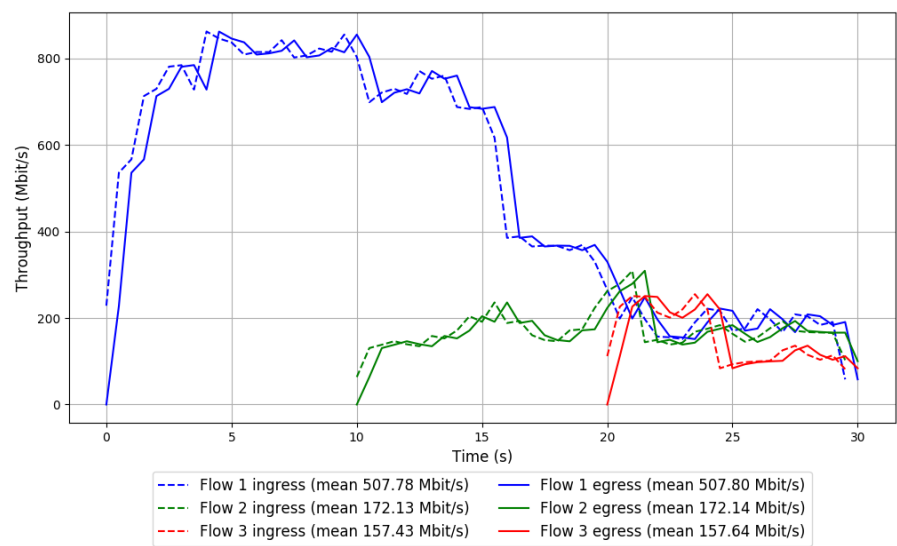
-- Flow 3:

Average throughput: 157.64 Mbit/s

95th percentile per-packet one-way delay: 1.639 ms

Loss rate: 0.00%

Run 5: Report of PCC-Allegro — Data Link

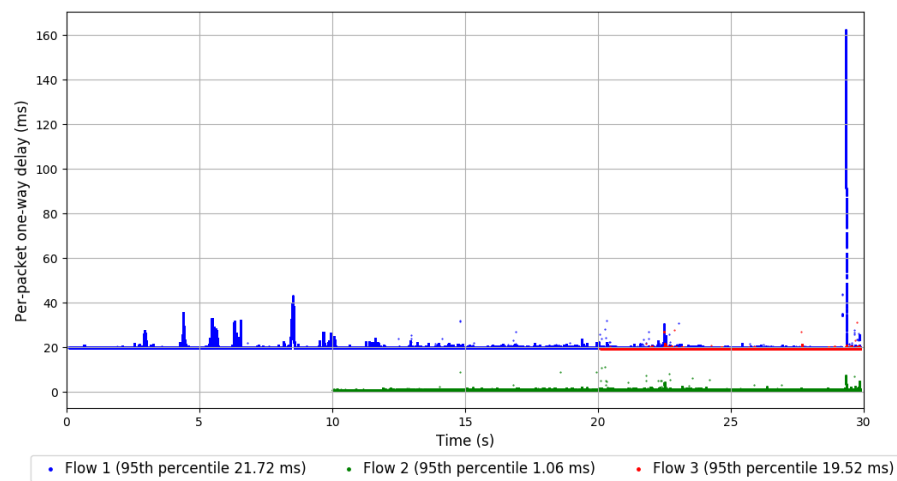
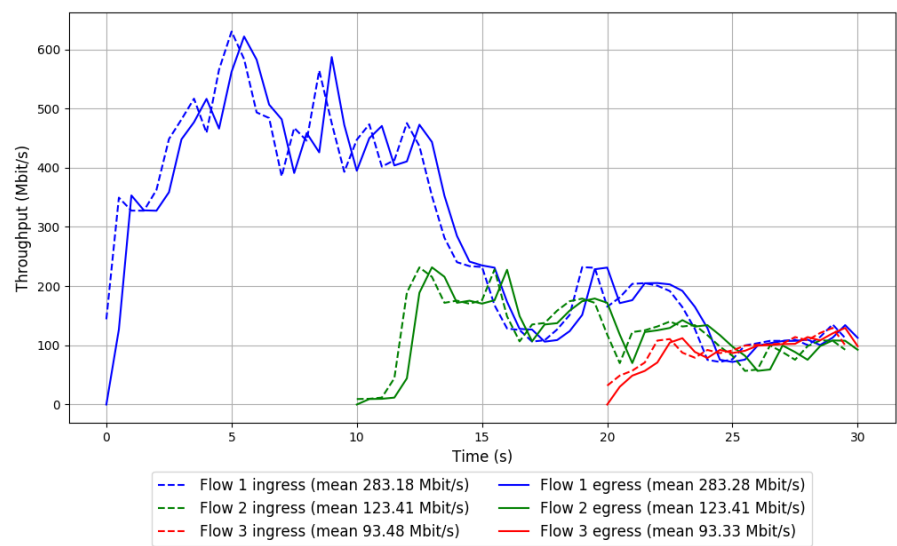


```
Run 1: Statistics of PCC-Expr

Start at: 2019-11-24 16:21:06
End at: 2019-11-24 16:21:36
Local clock offset: 2.784 ms
Remote clock offset: 1.611 ms

# Below is generated by plot.py at 2019-11-24 19:42:31
# Datalink statistics
-- Total of 3 flows:
Average throughput: 396.13 Mbit/s
95th percentile per-packet one-way delay: 20.760 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 283.28 Mbit/s
95th percentile per-packet one-way delay: 21.716 ms
Loss rate: 0.04%
-- Flow 2:
Average throughput: 123.41 Mbit/s
95th percentile per-packet one-way delay: 1.058 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 93.33 Mbit/s
95th percentile per-packet one-way delay: 19.525 ms
Loss rate: 0.36%
```

Run 1: Report of PCC-Expr — Data Link

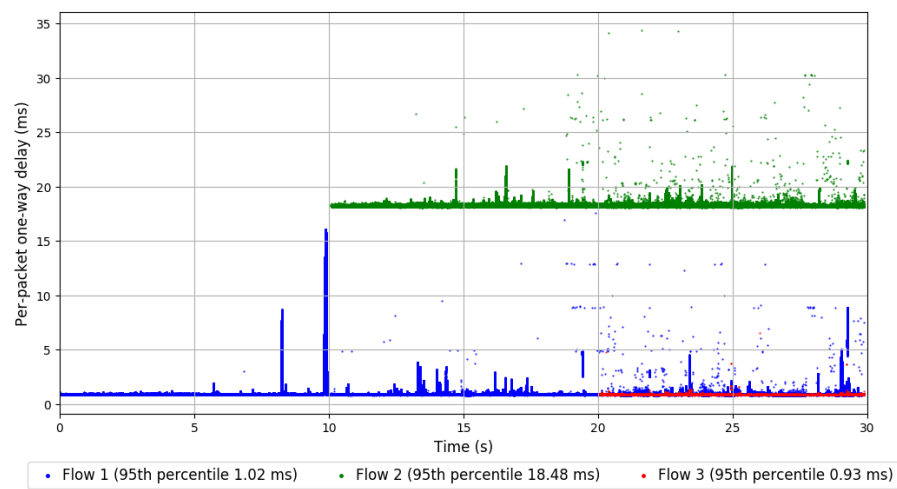
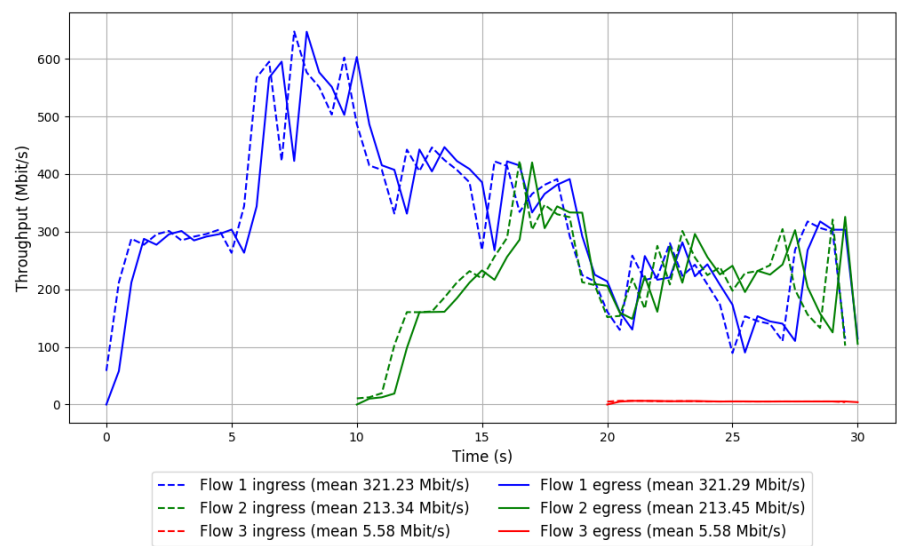


Run 2: Statistics of PCC-Expr

Start at: 2019-11-24 16:55:33
End at: 2019-11-24 16:56:03
Local clock offset: 3.435 ms
Remote clock offset: -2.969 ms

Below is generated by plot.py at 2019-11-24 19:44:16
Datalink statistics
-- Total of 3 flows:
Average throughput: 464.89 Mbit/s
95th percentile per-packet one-way delay: 18.342 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 321.29 Mbit/s
95th percentile per-packet one-way delay: 1.019 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 213.45 Mbit/s
95th percentile per-packet one-way delay: 18.479 ms
Loss rate: 0.06%
-- Flow 3:
Average throughput: 5.58 Mbit/s
95th percentile per-packet one-way delay: 0.930 ms
Loss rate: 0.00%

Run 2: Report of PCC-Expr — Data Link

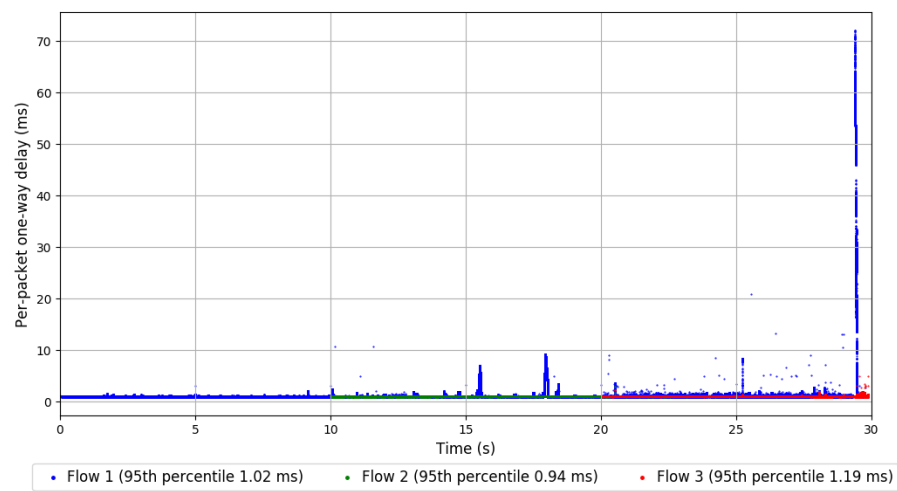
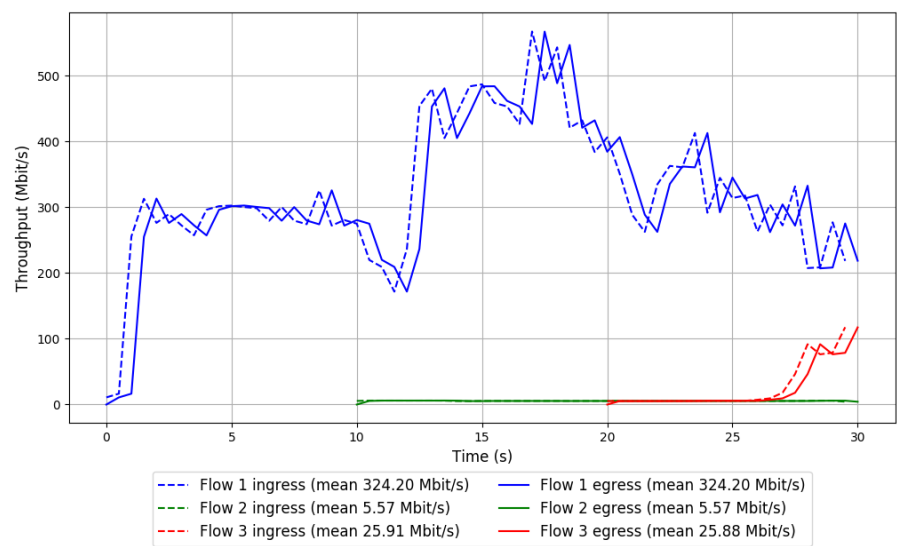


```
Run 3: Statistics of PCC-Expr

Start at: 2019-11-24 17:30:11
End at: 2019-11-24 17:30:41
Local clock offset: 3.933 ms
Remote clock offset: 2.168 ms

# Below is generated by plot.py at 2019-11-24 19:44:16
# Datalink statistics
-- Total of 3 flows:
Average throughput: 336.42 Mbit/s
95th percentile per-packet one-way delay: 1.019 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 324.20 Mbit/s
95th percentile per-packet one-way delay: 1.016 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 5.57 Mbit/s
95th percentile per-packet one-way delay: 0.943 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 25.88 Mbit/s
95th percentile per-packet one-way delay: 1.193 ms
Loss rate: 0.10%
```

Run 3: Report of PCC-Expr — Data Link

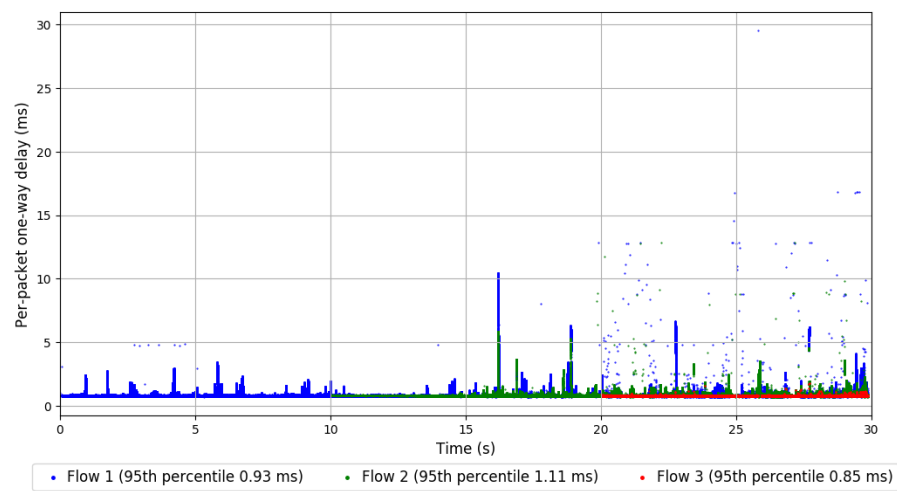
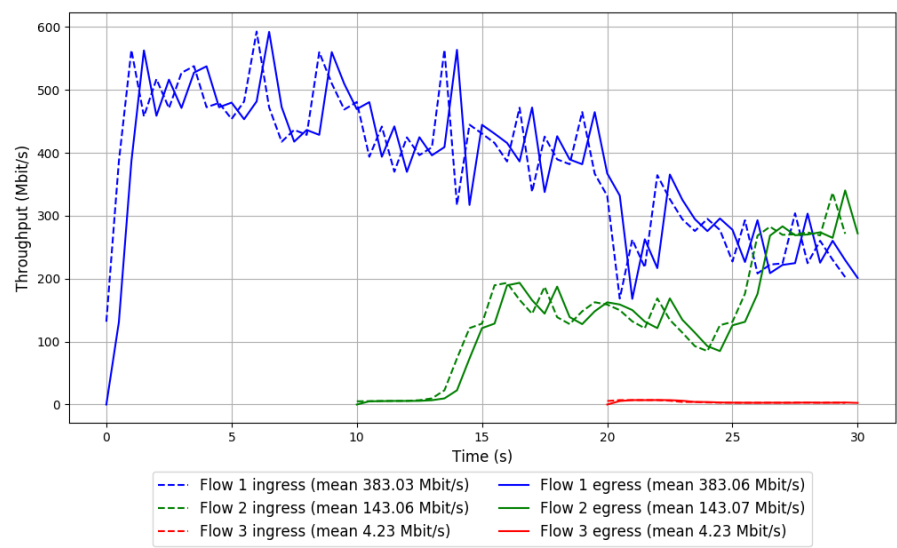


Run 4: Statistics of PCC-Expr

Start at: 2019-11-24 18:04:49
End at: 2019-11-24 18:05:19
Local clock offset: 4.421 ms
Remote clock offset: -2.767 ms

Below is generated by plot.py at 2019-11-24 19:50:44
Datalink statistics
-- Total of 3 flows:
Average throughput: 479.53 Mbit/s
95th percentile per-packet one-way delay: 0.980 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 383.06 Mbit/s
95th percentile per-packet one-way delay: 0.934 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 143.07 Mbit/s
95th percentile per-packet one-way delay: 1.107 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 4.23 Mbit/s
95th percentile per-packet one-way delay: 0.853 ms
Loss rate: 0.00%

Run 4: Report of PCC-Expr — Data Link



Run 5: Statistics of PCC-Expr

Start at: 2019-11-24 18:39:34

End at: 2019-11-24 18:40:04

Local clock offset: 4.28 ms

Remote clock offset: 1.093 ms

Below is generated by plot.py at 2019-11-24 19:50:44

Datalink statistics

-- Total of 3 flows:

Average throughput: 460.81 Mbit/s

95th percentile per-packet one-way delay: 19.862 ms

Loss rate: 0.04%

-- Flow 1:

Average throughput: 350.14 Mbit/s

95th percentile per-packet one-way delay: 20.141 ms

Loss rate: 0.05%

-- Flow 2:

Average throughput: 122.88 Mbit/s

95th percentile per-packet one-way delay: 1.344 ms

Loss rate: 0.00%

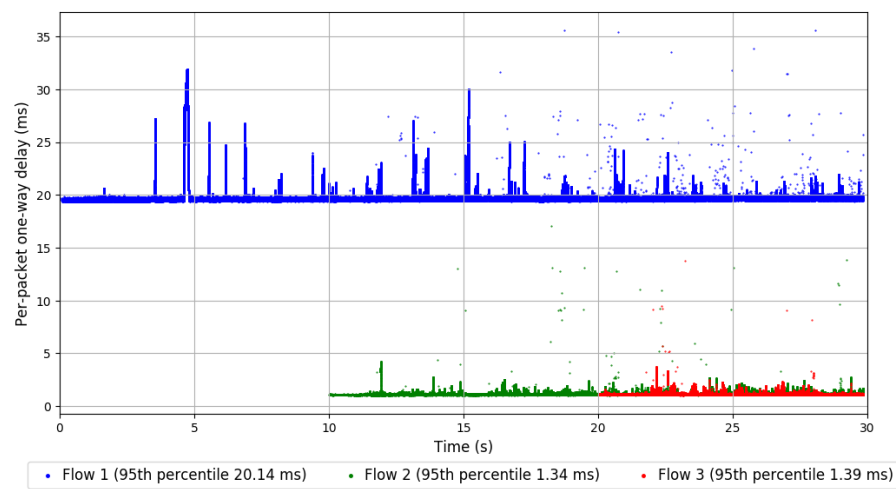
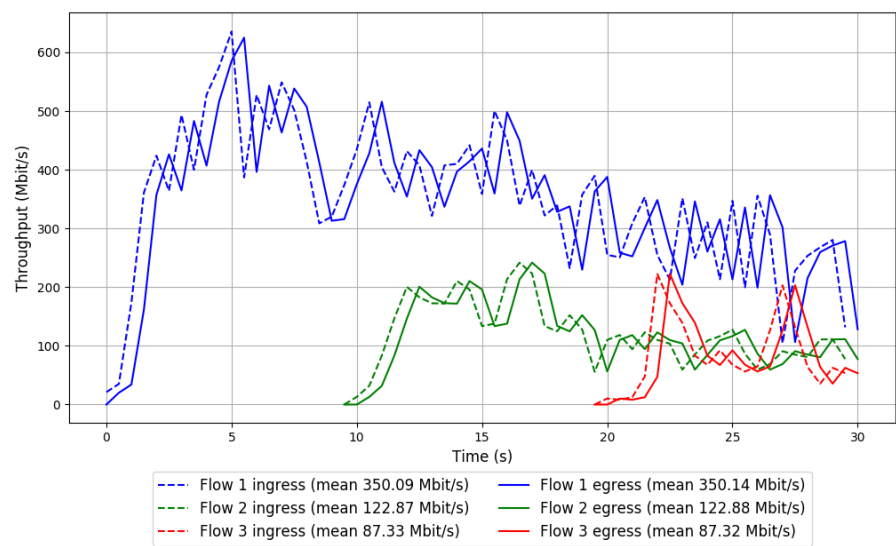
-- Flow 3:

Average throughput: 87.32 Mbit/s

95th percentile per-packet one-way delay: 1.388 ms

Loss rate: 0.02%

Run 5: Report of PCC-Expr — Data Link



Run 1: Statistics of QUIC Cubic

Start at: 2019-11-24 16:00:38

End at: 2019-11-24 16:01:08

Local clock offset: 2.869 ms

Remote clock offset: 0.7 ms

Below is generated by plot.py at 2019-11-24 19:50:44

Datalink statistics

-- Total of 3 flows:

Average throughput: 140.12 Mbit/s

95th percentile per-packet one-way delay: 19.399 ms

Loss rate: 0.06%

-- Flow 1:

Average throughput: 77.77 Mbit/s

95th percentile per-packet one-way delay: 0.942 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 65.75 Mbit/s

95th percentile per-packet one-way delay: 19.456 ms

Loss rate: 0.09%

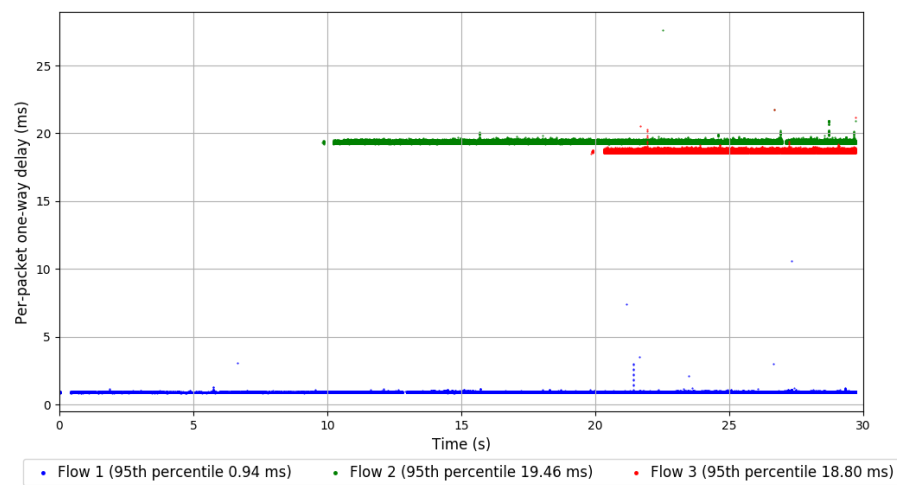
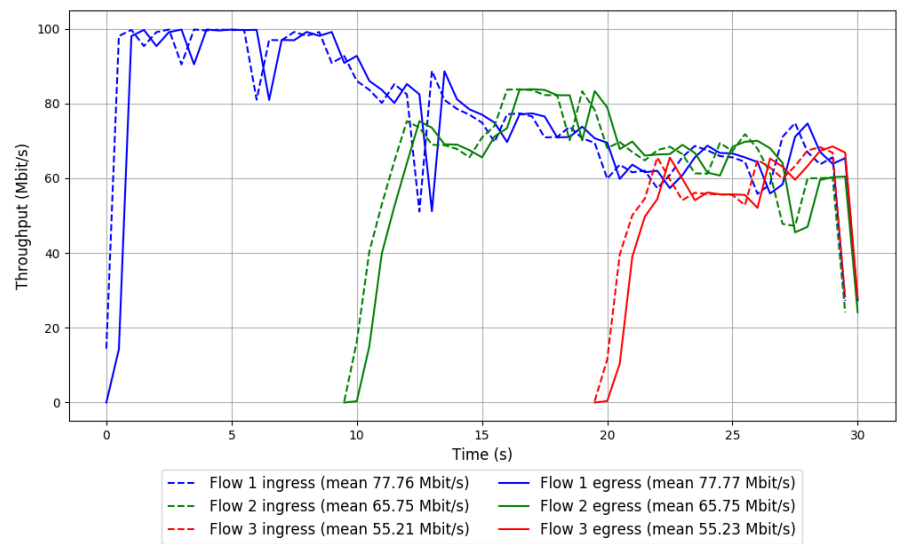
-- Flow 3:

Average throughput: 55.23 Mbit/s

95th percentile per-packet one-way delay: 18.805 ms

Loss rate: 0.24%

Run 1: Report of QUIC Cubic — Data Link

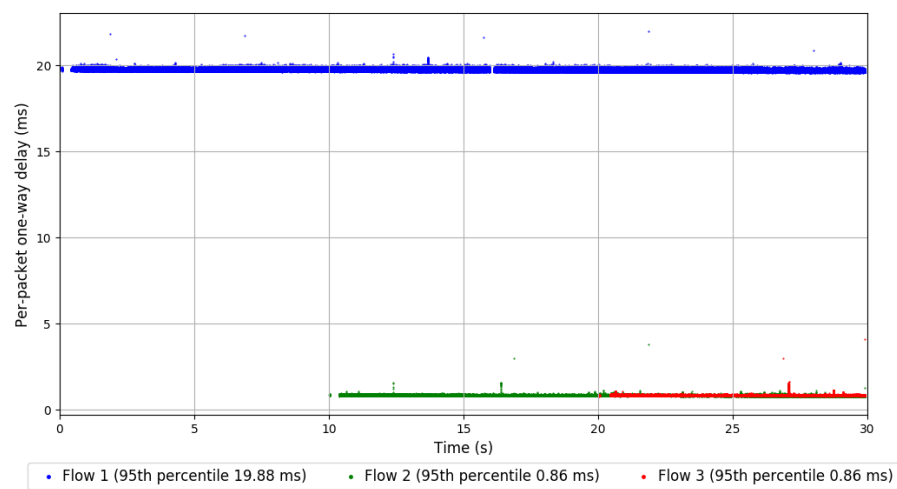
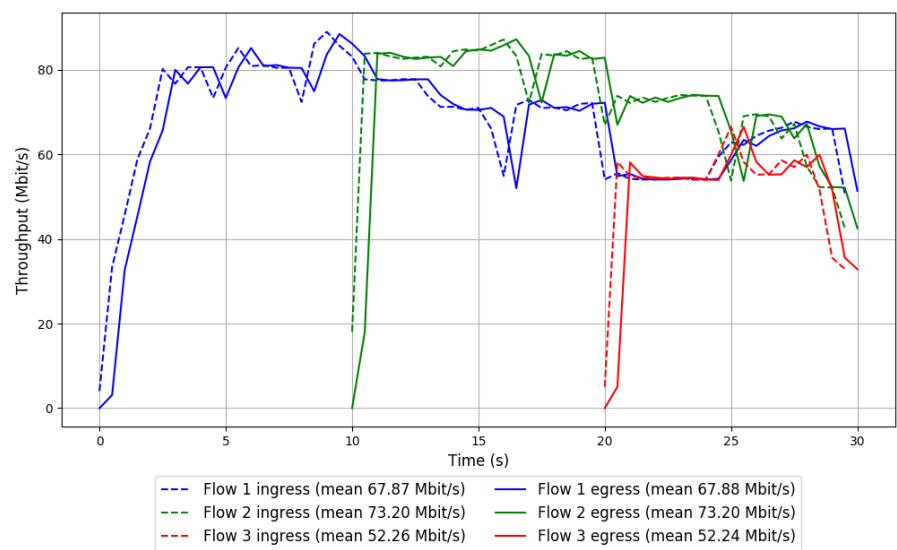


Run 2: Statistics of QUIC Cubic

Start at: 2019-11-24 16:35:24
End at: 2019-11-24 16:35:54
Local clock offset: 2.716 ms
Remote clock offset: -1.346 ms

Below is generated by plot.py at 2019-11-24 19:50:44
Datalink statistics
-- Total of 3 flows:
Average throughput: 133.91 Mbit/s
95th percentile per-packet one-way delay: 19.847 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 67.88 Mbit/s
95th percentile per-packet one-way delay: 19.881 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 73.20 Mbit/s
95th percentile per-packet one-way delay: 0.863 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 52.24 Mbit/s
95th percentile per-packet one-way delay: 0.856 ms
Loss rate: 0.02%

Run 2: Report of QUIC Cubic — Data Link

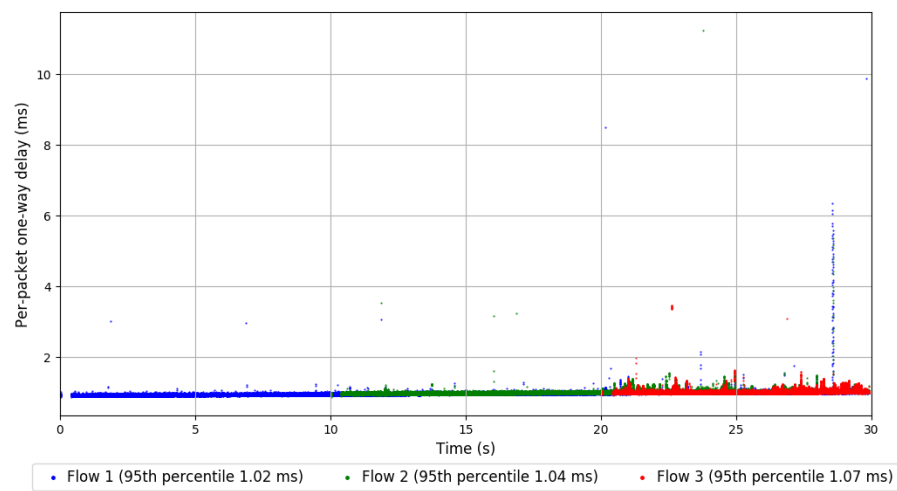
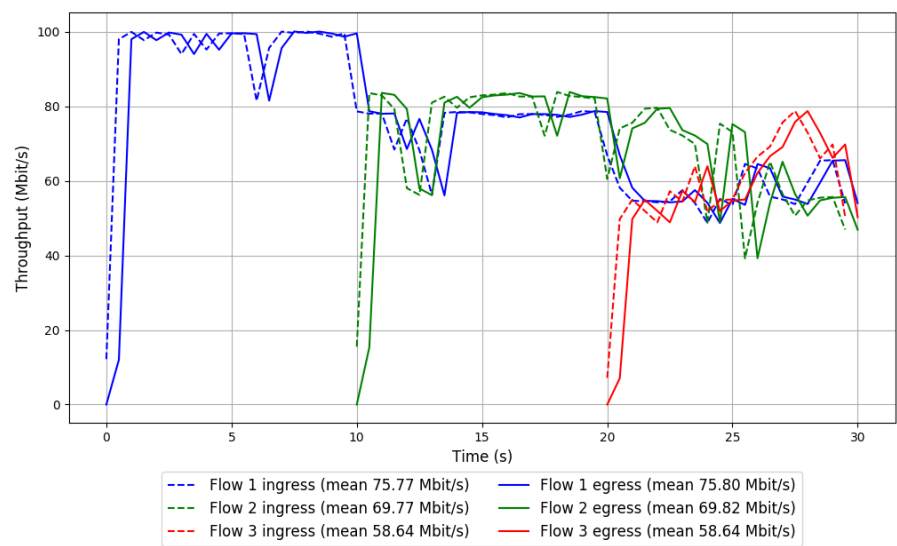


Run 3: Statistics of QUIC Cubic

Start at: 2019-11-24 17:09:40
End at: 2019-11-24 17:10:10
Local clock offset: 3.66 ms
Remote clock offset: -0.319 ms

Below is generated by plot.py at 2019-11-24 19:50:44
Datalink statistics
-- Total of 3 flows:
Average throughput: 141.64 Mbit/s
95th percentile per-packet one-way delay: 1.032 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 75.80 Mbit/s
95th percentile per-packet one-way delay: 1.016 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 69.82 Mbit/s
95th percentile per-packet one-way delay: 1.039 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 58.64 Mbit/s
95th percentile per-packet one-way delay: 1.066 ms
Loss rate: 0.01%

Run 3: Report of QUIC Cubic — Data Link

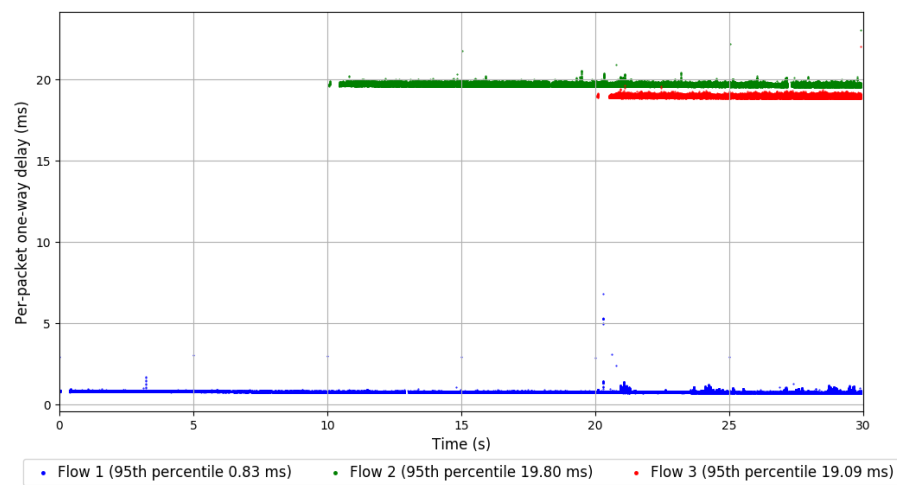
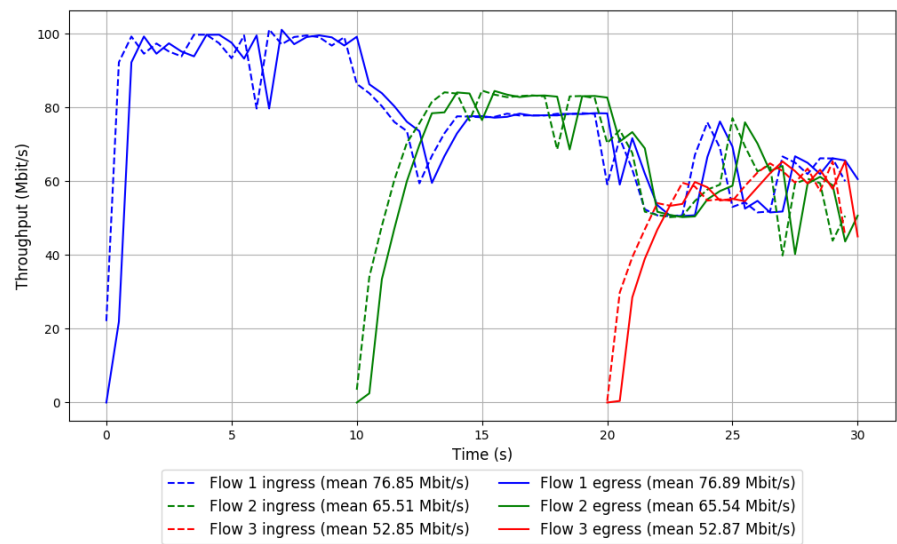


Run 4: Statistics of QUIC Cubic

Start at: 2019-11-24 17:44:31
End at: 2019-11-24 17:45:01
Local clock offset: 4.117 ms
Remote clock offset: -1.122 ms

Below is generated by plot.py at 2019-11-24 19:50:44
Datalink statistics
-- Total of 3 flows:
Average throughput: 137.92 Mbit/s
95th percentile per-packet one-way delay: 19.742 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 76.89 Mbit/s
95th percentile per-packet one-way delay: 0.826 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 65.54 Mbit/s
95th percentile per-packet one-way delay: 19.802 ms
Loss rate: 0.10%
-- Flow 3:
Average throughput: 52.87 Mbit/s
95th percentile per-packet one-way delay: 19.091 ms
Loss rate: 0.21%

Run 4: Report of QUIC Cubic — Data Link

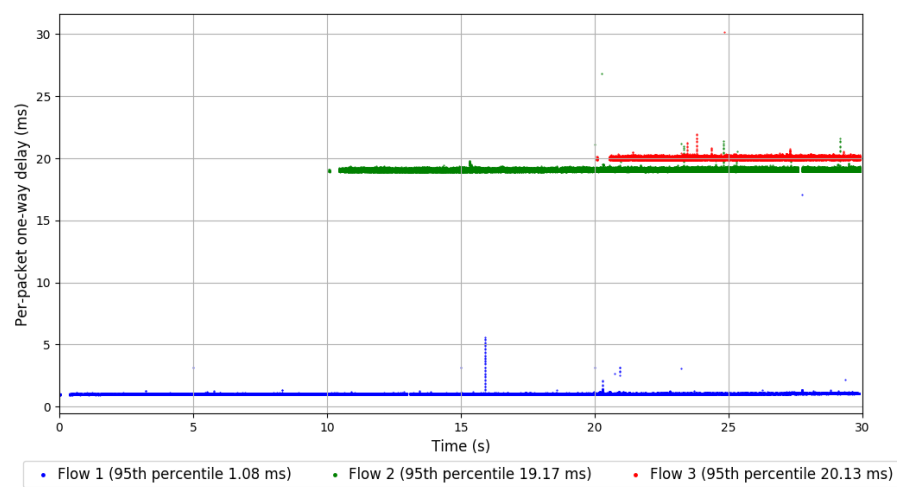
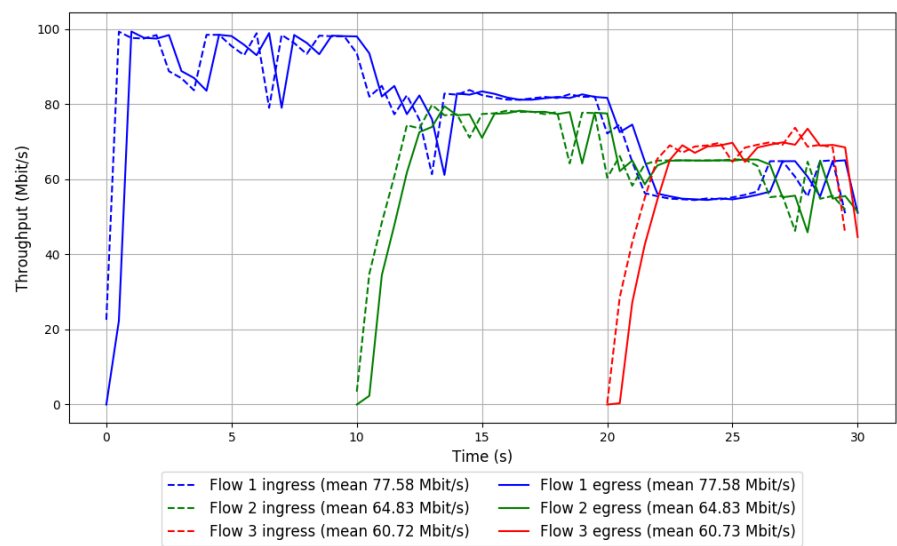


Run 5: Statistics of QUIC Cubic

Start at: 2019-11-24 18:19:20
End at: 2019-11-24 18:19:50
Local clock offset: 4.287 ms
Remote clock offset: -0.485 ms

Below is generated by plot.py at 2019-11-24 19:50:44
Datalink statistics
-- Total of 3 flows:
Average throughput: 140.61 Mbit/s
95th percentile per-packet one-way delay: 20.016 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 77.58 Mbit/s
95th percentile per-packet one-way delay: 1.078 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 64.83 Mbit/s
95th percentile per-packet one-way delay: 19.172 ms
Loss rate: 0.11%
-- Flow 3:
Average throughput: 60.73 Mbit/s
95th percentile per-packet one-way delay: 20.130 ms
Loss rate: 0.31%

Run 5: Report of QUIC Cubic — Data Link

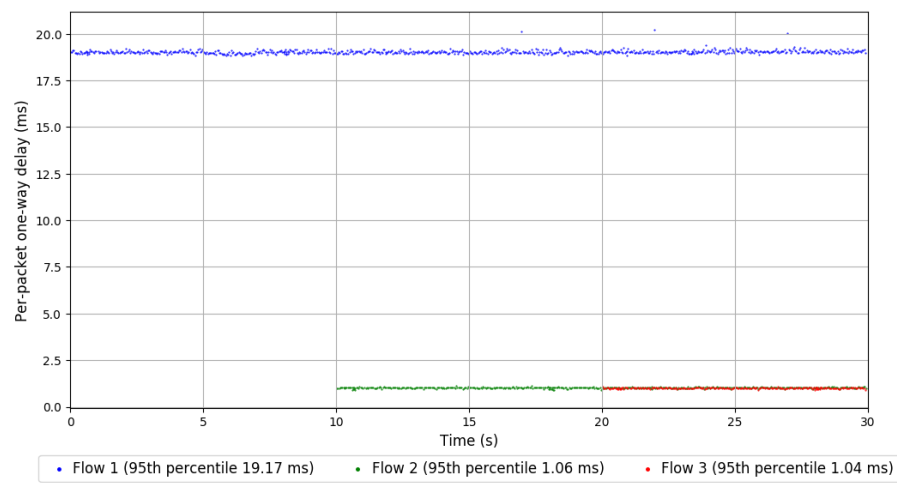
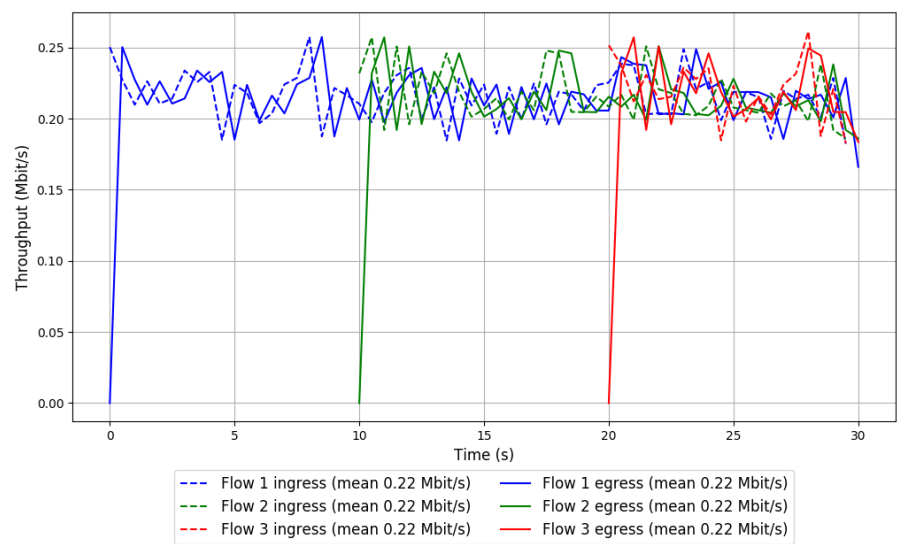


```
Run 1: Statistics of SReAM

Start at: 2019-11-24 15:49:16
End at: 2019-11-24 15:49:46
Local clock offset: 2.992 ms
Remote clock offset: 0.609 ms

# Below is generated by plot.py at 2019-11-24 19:50:44
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 19.138 ms
Loss rate: 0.12%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 19.171 ms
Loss rate: 0.13%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 1.063 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 1.040 ms
Loss rate: 0.35%
```

Run 1: Report of SReAM — Data Link



Run 2: Statistics of SReAM

Start at: 2019-11-24 16:24:12

End at: 2019-11-24 16:24:42

Local clock offset: 2.779 ms

Remote clock offset: 1.673 ms

Below is generated by plot.py at 2019-11-24 19:50:44

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.43 Mbit/s

95th percentile per-packet one-way delay: 20.143 ms

Loss rate: 0.13%

-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 20.183 ms

Loss rate: 0.13%

-- Flow 2:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 19.500 ms

Loss rate: 0.19%

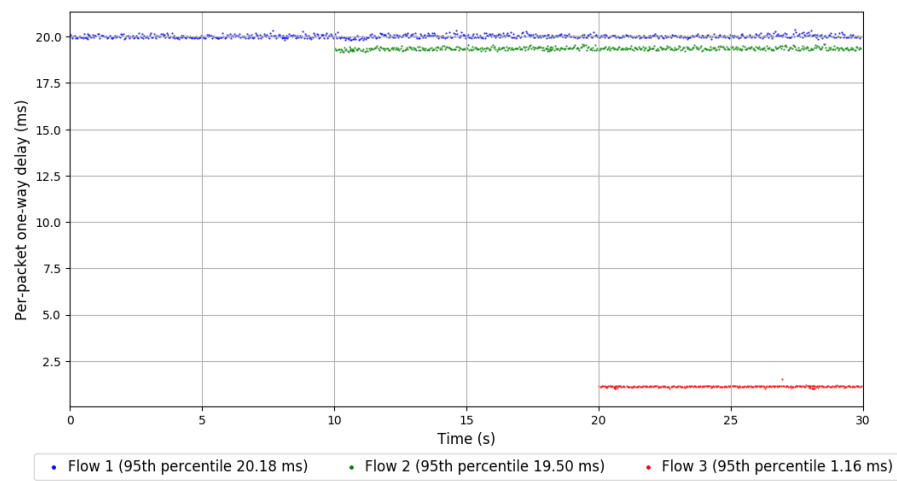
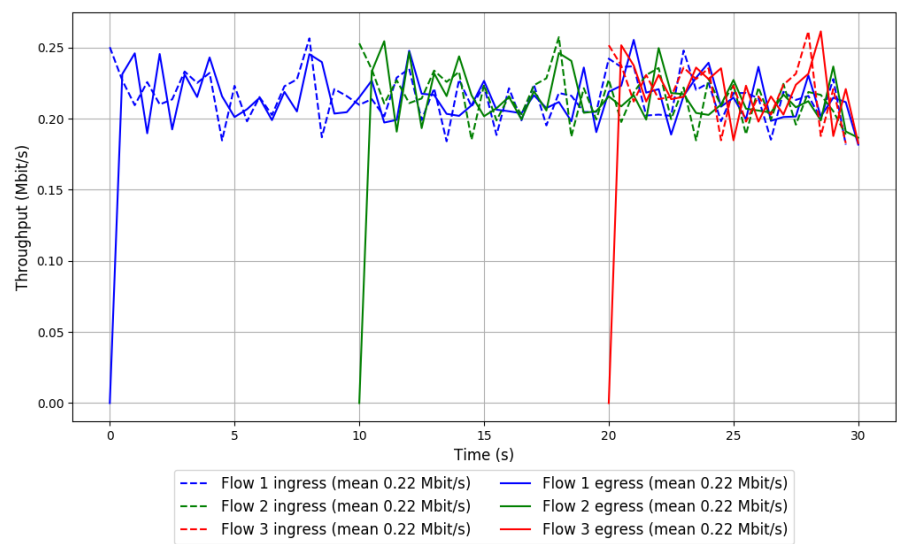
-- Flow 3:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 1.164 ms

Loss rate: 0.00%

Run 2: Report of SReAM — Data Link

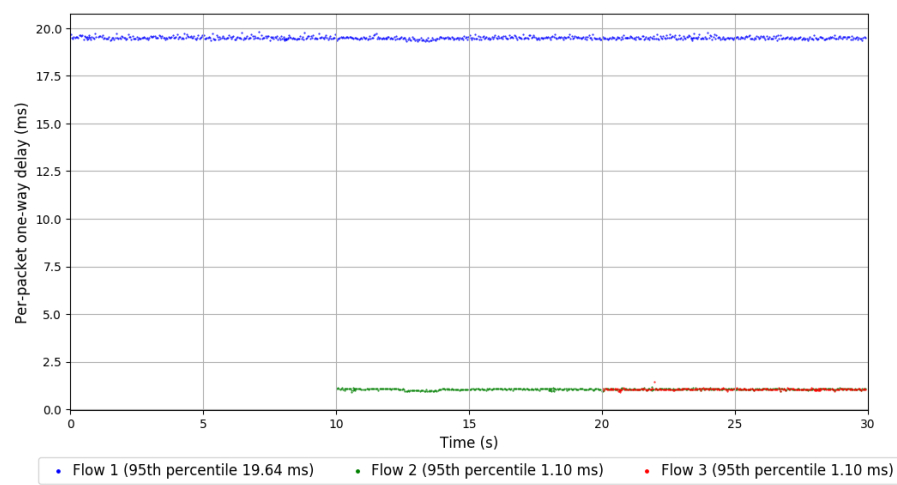
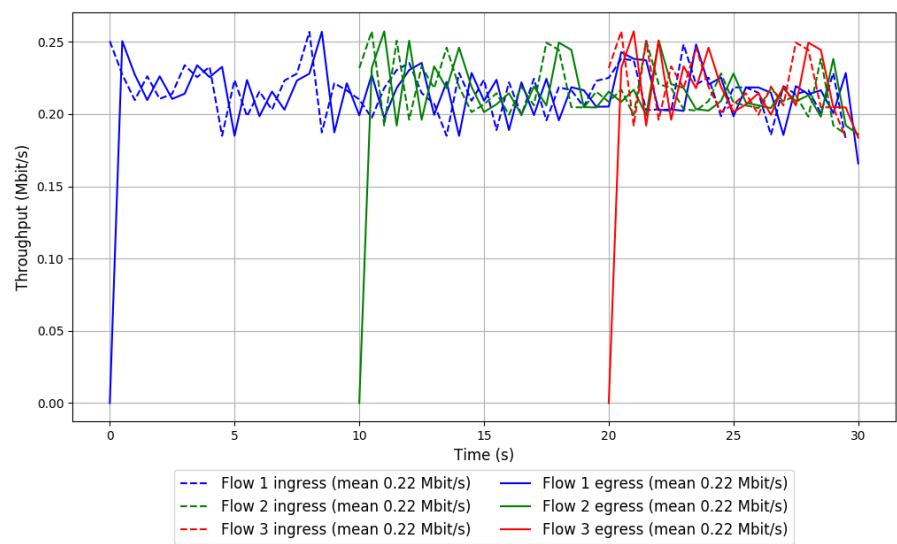


Run 3: Statistics of SReAM

Start at: 2019-11-24 16:58:39
End at: 2019-11-24 16:59:09
Local clock offset: 3.502 ms
Remote clock offset: -3.073 ms

Below is generated by plot.py at 2019-11-24 19:50:44
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 19.595 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 19.638 ms
Loss rate: 0.13%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 1.101 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 1.105 ms
Loss rate: 0.00%

Run 3: Report of SCRaM — Data Link

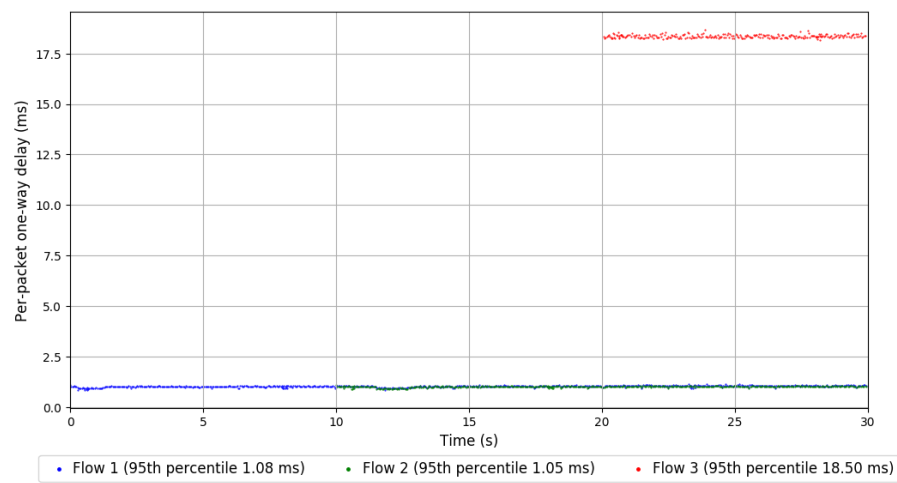
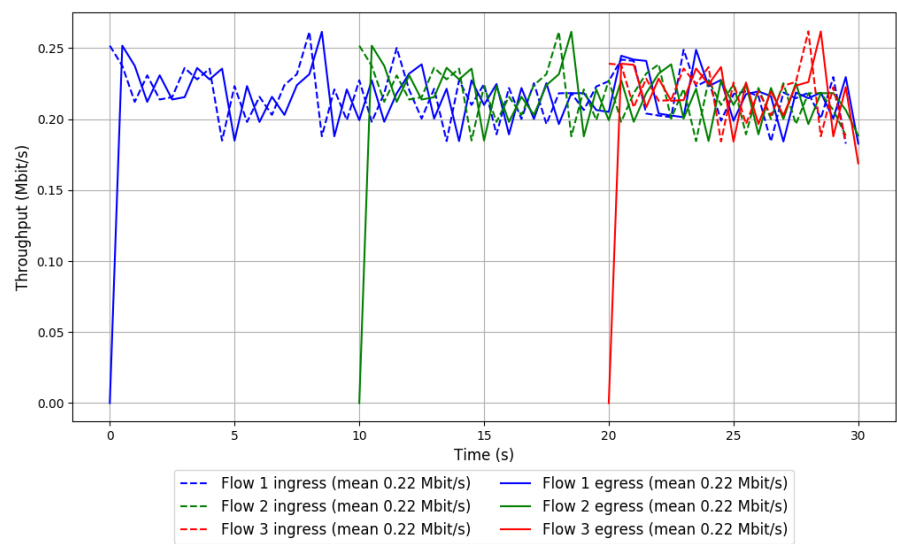


Run 4: Statistics of SReAM

Start at: 2019-11-24 17:33:10
End at: 2019-11-24 17:33:40
Local clock offset: 3.948 ms
Remote clock offset: 2.417 ms

Below is generated by plot.py at 2019-11-24 19:50:44
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 18.398 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 1.076 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 1.051 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 18.498 ms
Loss rate: 0.35%

Run 4: Report of SReAM — Data Link

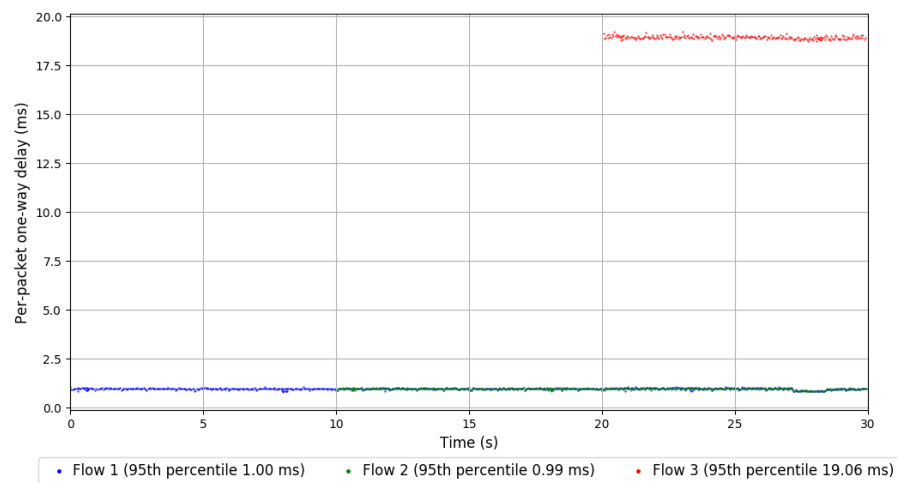
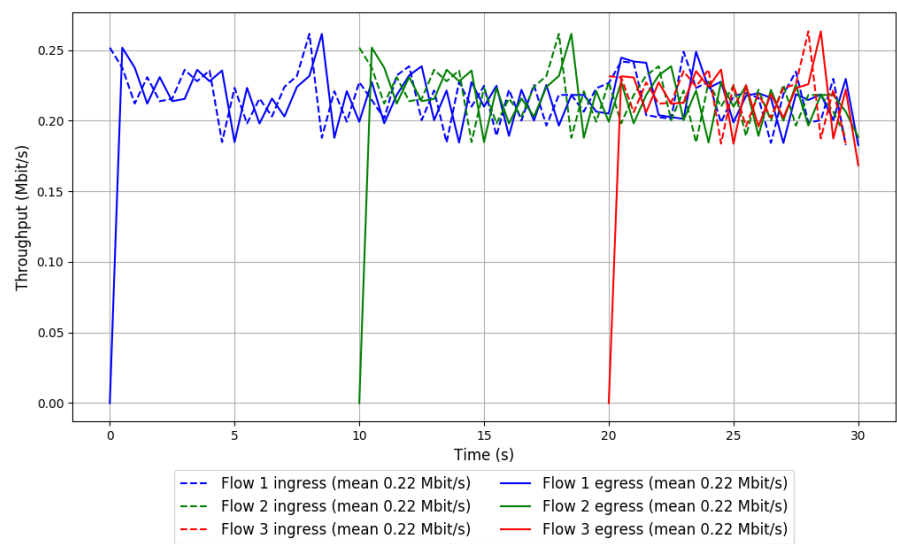


Run 5: Statistics of SReAM

Start at: 2019-11-24 18:07:55
End at: 2019-11-24 18:08:25
Local clock offset: 4.455 ms
Remote clock offset: -2.854 ms

Below is generated by plot.py at 2019-11-24 19:50:44
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 18.962 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 1.002 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 0.991 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 19.059 ms
Loss rate: 0.35%

Run 5: Report of SReAM — Data Link



Run 1: Statistics of Sprout

Start at: 2019-11-24 16:12:57

End at: 2019-11-24 16:13:27

Local clock offset: 2.803 ms

Remote clock offset: 1.186 ms

Below is generated by plot.py at 2019-11-24 19:50:44

Datalink statistics

-- Total of 3 flows:

Average throughput: 83.15 Mbit/s

95th percentile per-packet one-way delay: 18.345 ms

Loss rate: 0.03%

-- Flow 1:

Average throughput: 50.29 Mbit/s

95th percentile per-packet one-way delay: 1.016 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 24.80 Mbit/s

95th percentile per-packet one-way delay: 18.451 ms

Loss rate: 0.15%

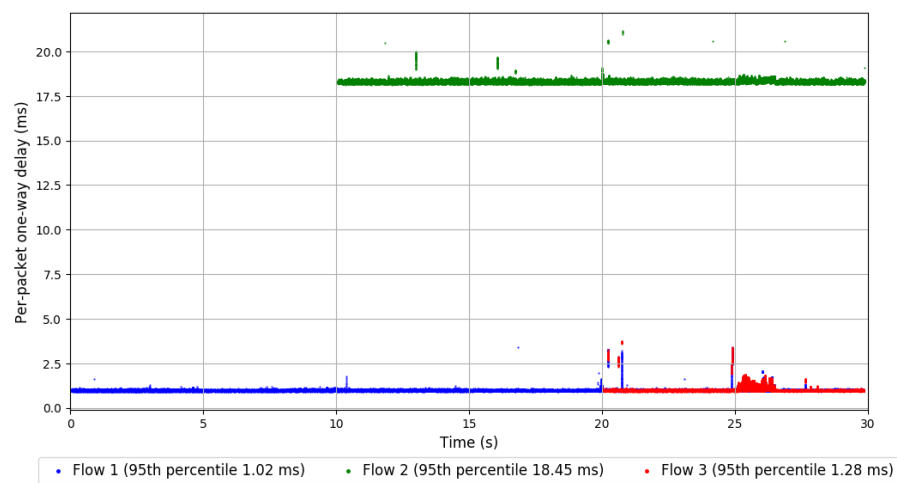
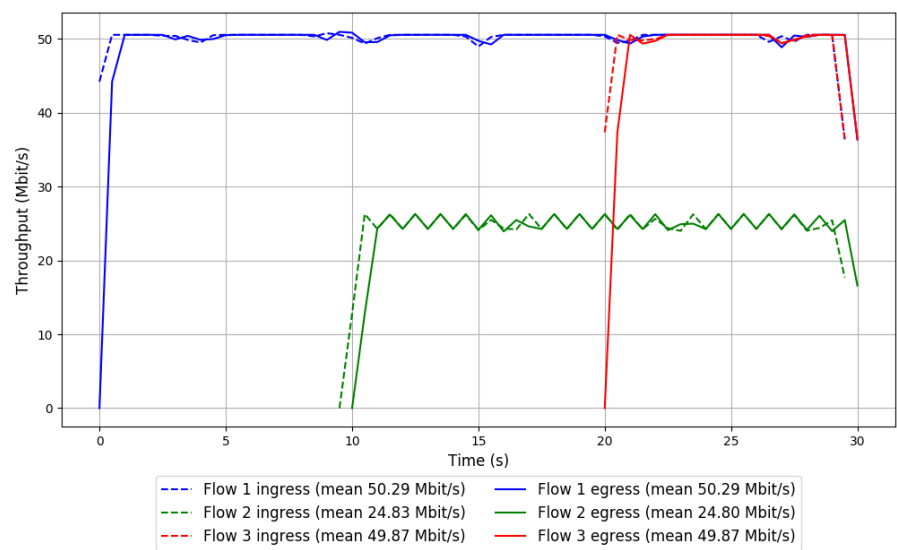
-- Flow 3:

Average throughput: 49.87 Mbit/s

95th percentile per-packet one-way delay: 1.276 ms

Loss rate: 0.00%

Run 1: Report of Sprout — Data Link

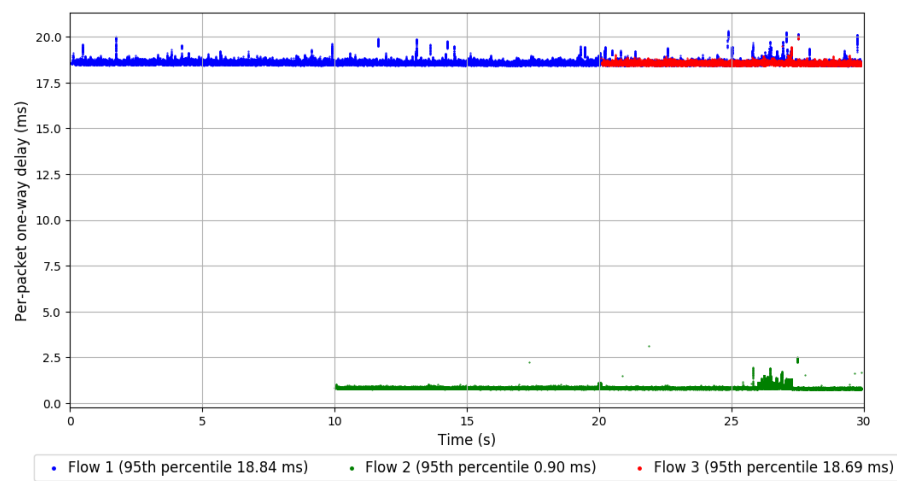
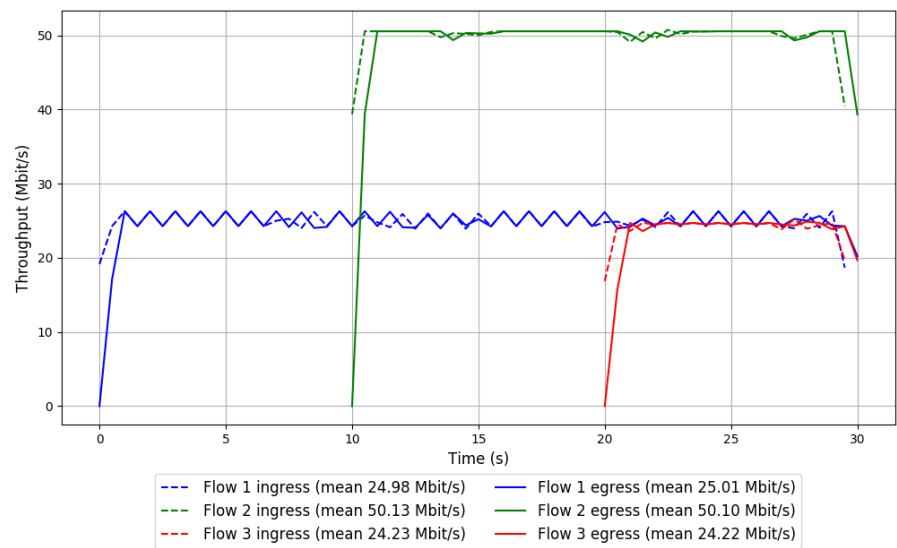


Run 2: Statistics of Sprout

Start at: 2019-11-24 16:47:26
End at: 2019-11-24 16:47:56
Local clock offset: 3.168 ms
Remote clock offset: -2.603 ms

Below is generated by plot.py at 2019-11-24 19:50:44
Datalink statistics
-- Total of 3 flows:
Average throughput: 66.32 Mbit/s
95th percentile per-packet one-way delay: 18.709 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 25.01 Mbit/s
95th percentile per-packet one-way delay: 18.844 ms
Loss rate: 0.03%
-- Flow 2:
Average throughput: 50.10 Mbit/s
95th percentile per-packet one-way delay: 0.898 ms
Loss rate: 0.06%
-- Flow 3:
Average throughput: 24.22 Mbit/s
95th percentile per-packet one-way delay: 18.694 ms
Loss rate: 0.23%

Run 2: Report of Sprout — Data Link



Run 3: Statistics of Sprout

Start at: 2019-11-24 17:21:57

End at: 2019-11-24 17:22:27

Local clock offset: 3.826 ms

Remote clock offset: 1.455 ms

Below is generated by plot.py at 2019-11-24 19:50:44

Datalink statistics

-- Total of 3 flows:

Average throughput: 91.43 Mbit/s

95th percentile per-packet one-way delay: 18.209 ms

Loss rate: 0.02%

-- Flow 1:

Average throughput: 50.23 Mbit/s

95th percentile per-packet one-way delay: 0.936 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 50.16 Mbit/s

95th percentile per-packet one-way delay: 0.956 ms

Loss rate: 0.00%

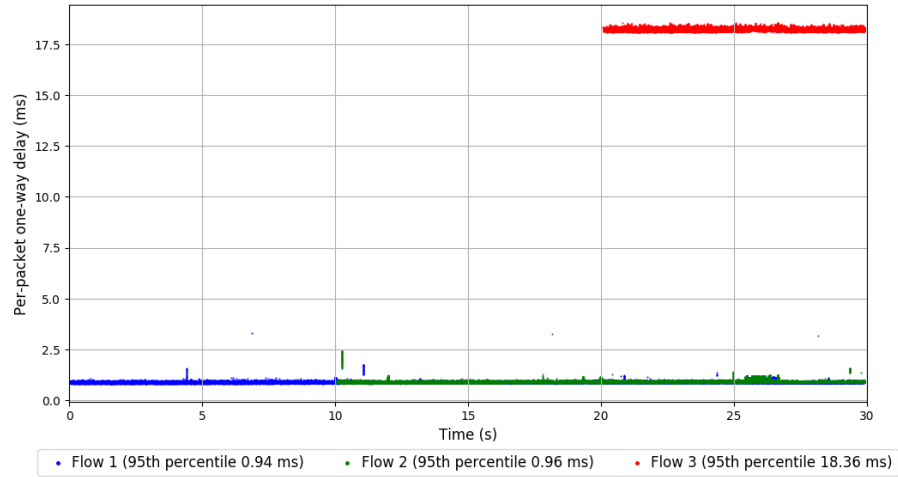
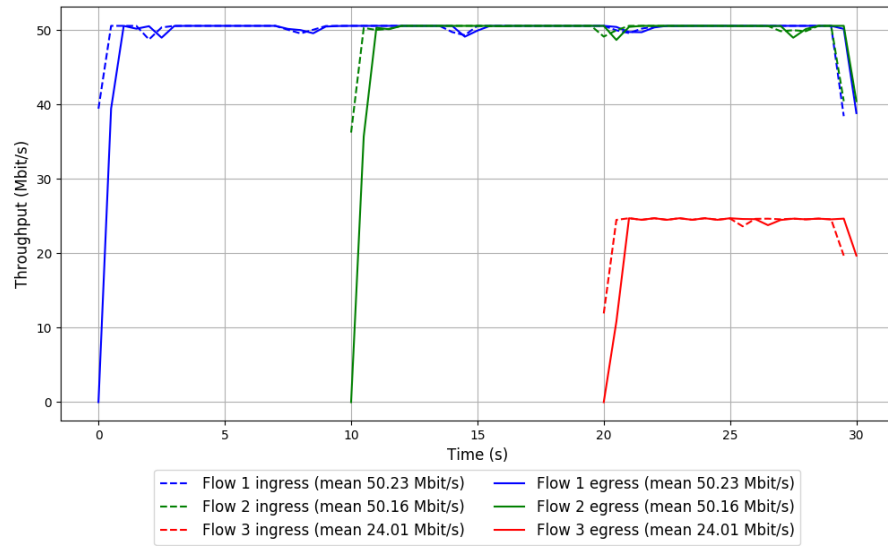
-- Flow 3:

Average throughput: 24.01 Mbit/s

95th percentile per-packet one-way delay: 18.361 ms

Loss rate: 0.20%

Run 3: Report of Sprout — Data Link

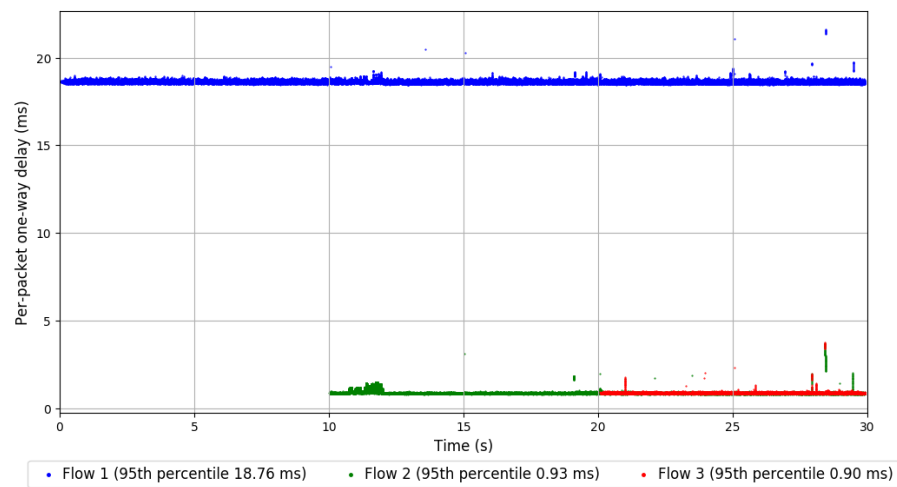
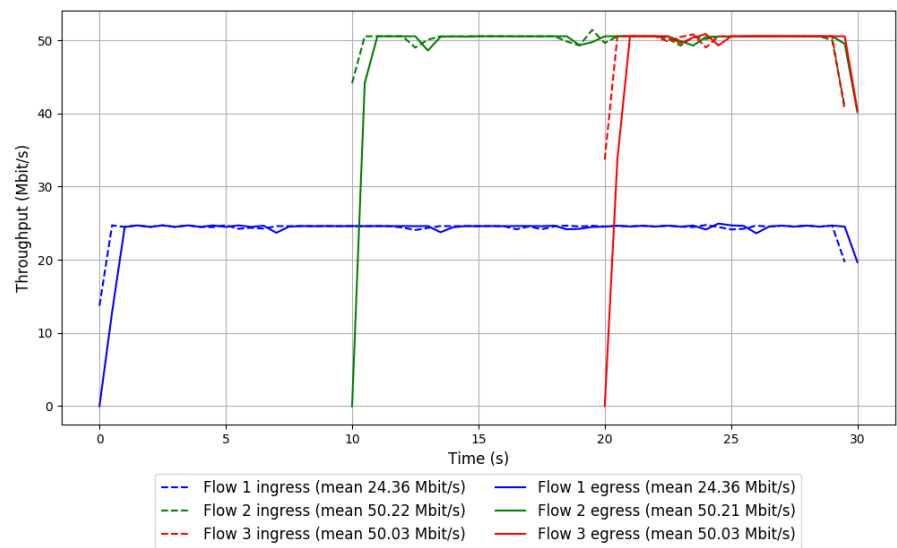


Run 4: Statistics of Sprout

Start at: 2019-11-24 17:56:41
End at: 2019-11-24 17:57:11
Local clock offset: 4.309 ms
Remote clock offset: -2.471 ms

```
# Below is generated by plot.py at 2019-11-24 19:50:44
# Datalink statistics
-- Total of 3 flows:
Average throughput: 74.22 Mbit/s
95th percentile per-packet one-way delay: 18.699 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 24.36 Mbit/s
95th percentile per-packet one-way delay: 18.759 ms
Loss rate: 0.07%
-- Flow 2:
Average throughput: 50.21 Mbit/s
95th percentile per-packet one-way delay: 0.929 ms
Loss rate: 0.06%
-- Flow 3:
Average throughput: 50.03 Mbit/s
95th percentile per-packet one-way delay: 0.899 ms
Loss rate: 0.00%
```

Run 4: Report of Sprout — Data Link



Run 5: Statistics of Sprout

Start at: 2019-11-24 18:31:27

End at: 2019-11-24 18:31:57

Local clock offset: 4.266 ms

Remote clock offset: 0.683 ms

Below is generated by plot.py at 2019-11-24 19:50:44

Datalink statistics

-- Total of 3 flows:

Average throughput: 74.58 Mbit/s

95th percentile per-packet one-way delay: 18.772 ms

Loss rate: 0.04%

-- Flow 1:

Average throughput: 50.31 Mbit/s

95th percentile per-packet one-way delay: 1.032 ms

Loss rate: 0.03%

-- Flow 2:

Average throughput: 24.37 Mbit/s

95th percentile per-packet one-way delay: 18.463 ms

Loss rate: 0.11%

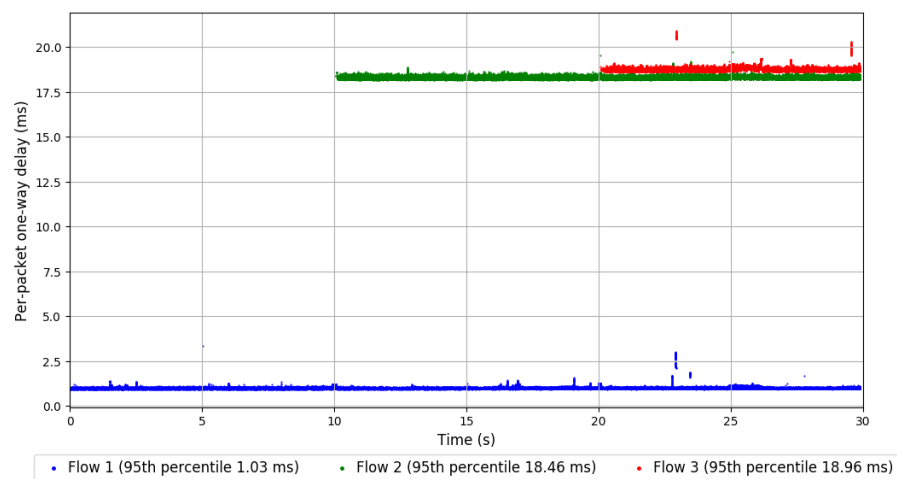
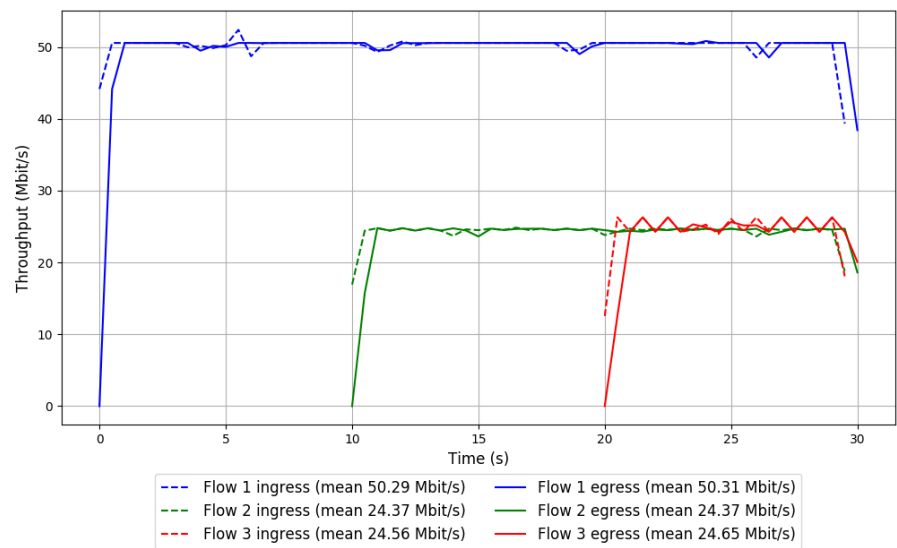
-- Flow 3:

Average throughput: 24.65 Mbit/s

95th percentile per-packet one-way delay: 18.961 ms

Loss rate: 0.00%

Run 5: Report of Sprout — Data Link



Run 1: Statistics of TaoVA-100x

Start at: 2019-11-24 15:56:29

End at: 2019-11-24 15:56:59

Local clock offset: 2.905 ms

Remote clock offset: 0.575 ms

Below is generated by plot.py at 2019-11-24 19:51:07

Datalink statistics

-- Total of 3 flows:

Average throughput: 332.83 Mbit/s

95th percentile per-packet one-way delay: 19.491 ms

Loss rate: 0.07%

-- Flow 1:

Average throughput: 193.93 Mbit/s

95th percentile per-packet one-way delay: 18.856 ms

Loss rate: 0.04%

-- Flow 2:

Average throughput: 157.73 Mbit/s

95th percentile per-packet one-way delay: 19.567 ms

Loss rate: 0.06%

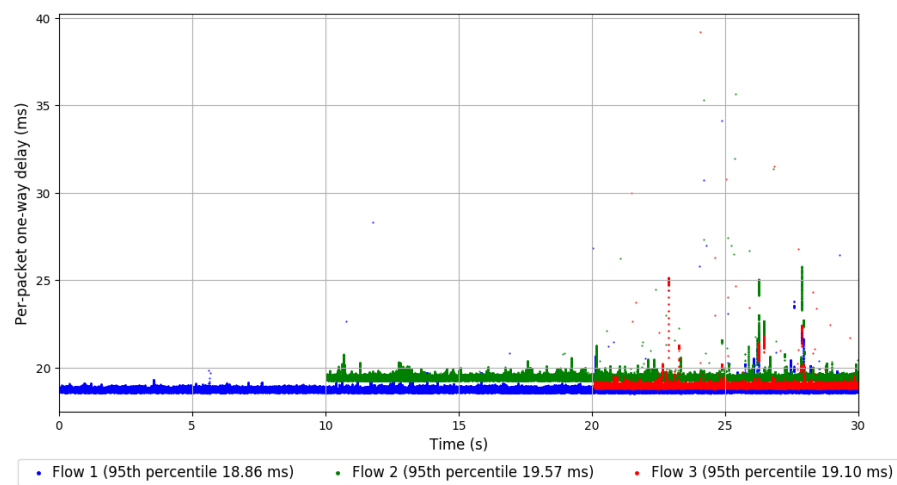
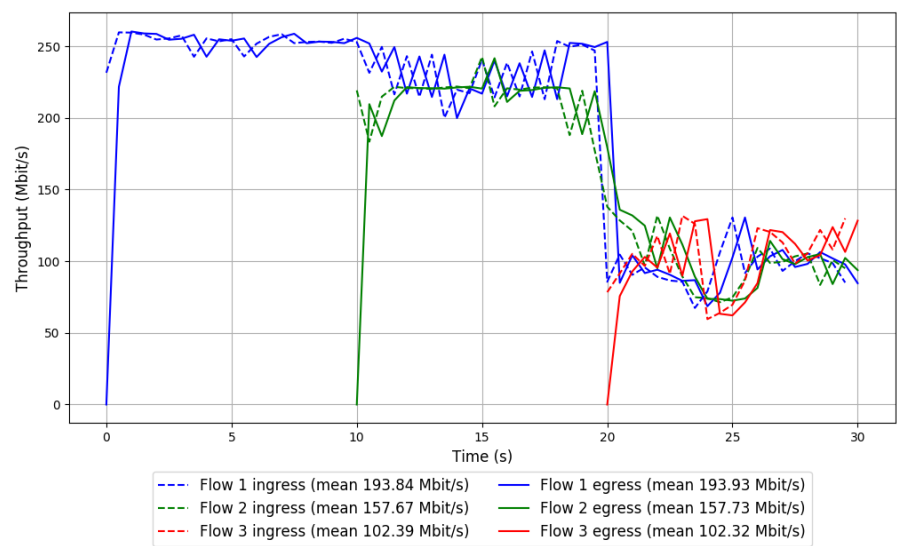
-- Flow 3:

Average throughput: 102.32 Mbit/s

95th percentile per-packet one-way delay: 19.104 ms

Loss rate: 0.27%

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

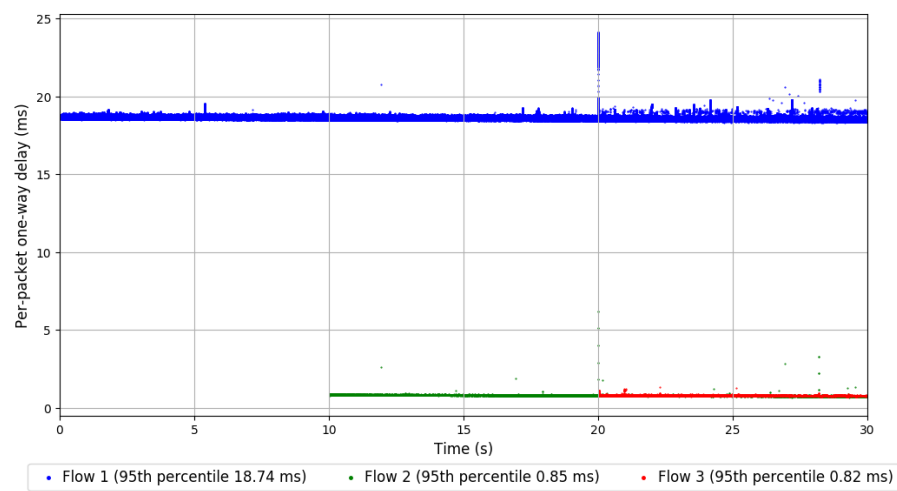
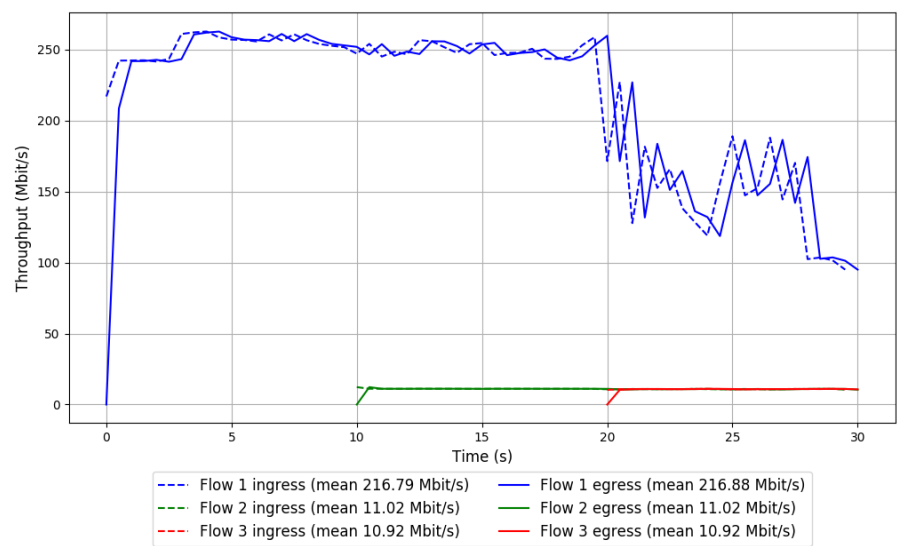


Run 2: Statistics of TaoVA-100x

Start at: 2019-11-24 16:31:23
End at: 2019-11-24 16:31:53
Local clock offset: 2.742 ms
Remote clock offset: -0.356 ms

Below is generated by plot.py at 2019-11-24 19:51:07
Datalink statistics
-- Total of 3 flows:
Average throughput: 227.84 Mbit/s
95th percentile per-packet one-way delay: 18.741 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 216.88 Mbit/s
95th percentile per-packet one-way delay: 18.744 ms
Loss rate: 0.03%
-- Flow 2:
Average throughput: 11.02 Mbit/s
95th percentile per-packet one-way delay: 0.848 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 10.92 Mbit/s
95th percentile per-packet one-way delay: 0.825 ms
Loss rate: 0.01%

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

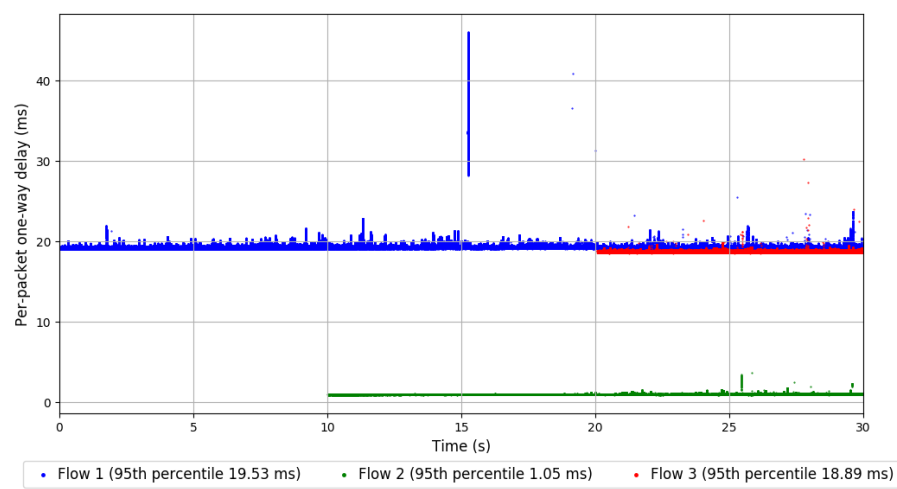
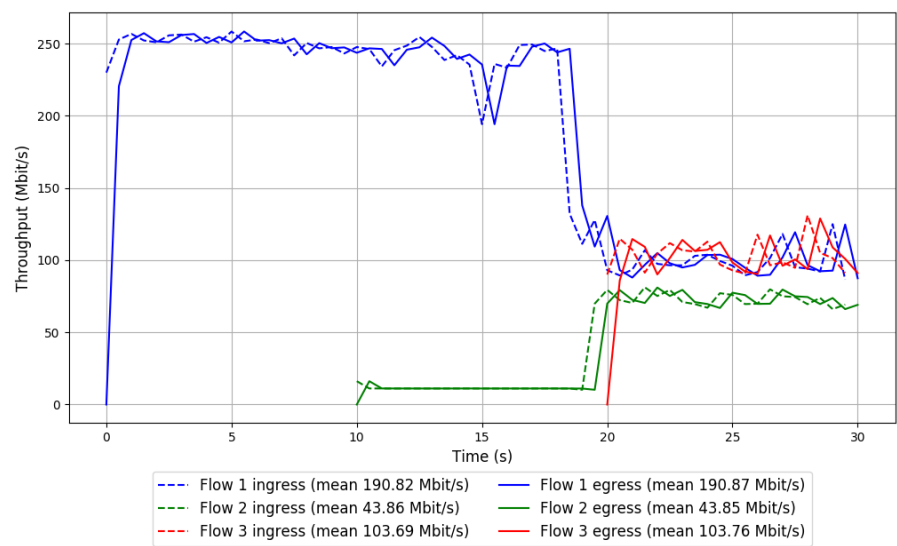


Run 3: Statistics of TaoVA-100x

Start at: 2019-11-24 17:05:34
End at: 2019-11-24 17:06:04
Local clock offset: 3.566 ms
Remote clock offset: -1.298 ms

Below is generated by plot.py at 2019-11-24 19:51:07
Datalink statistics
-- Total of 3 flows:
Average throughput: 254.45 Mbit/s
95th percentile per-packet one-way delay: 19.453 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 190.87 Mbit/s
95th percentile per-packet one-way delay: 19.530 ms
Loss rate: 0.03%
-- Flow 2:
Average throughput: 43.85 Mbit/s
95th percentile per-packet one-way delay: 1.050 ms
Loss rate: 0.02%
-- Flow 3:
Average throughput: 103.76 Mbit/s
95th percentile per-packet one-way delay: 18.889 ms
Loss rate: 0.13%

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

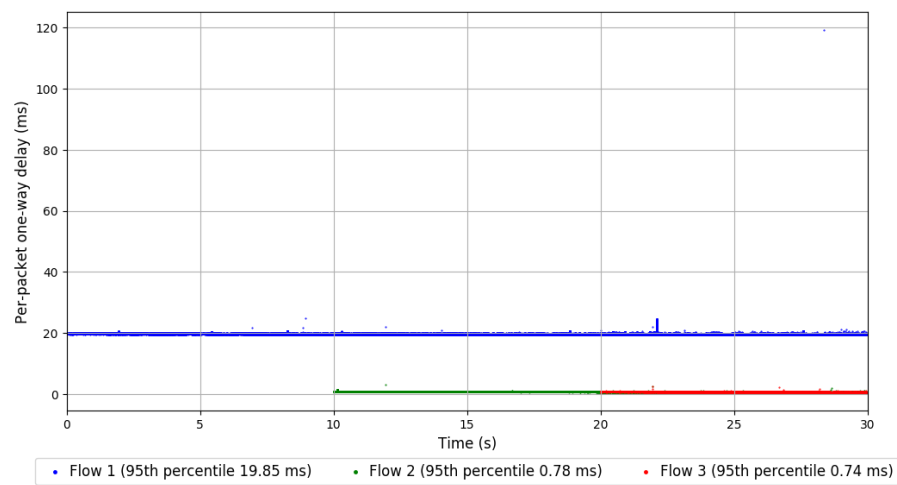
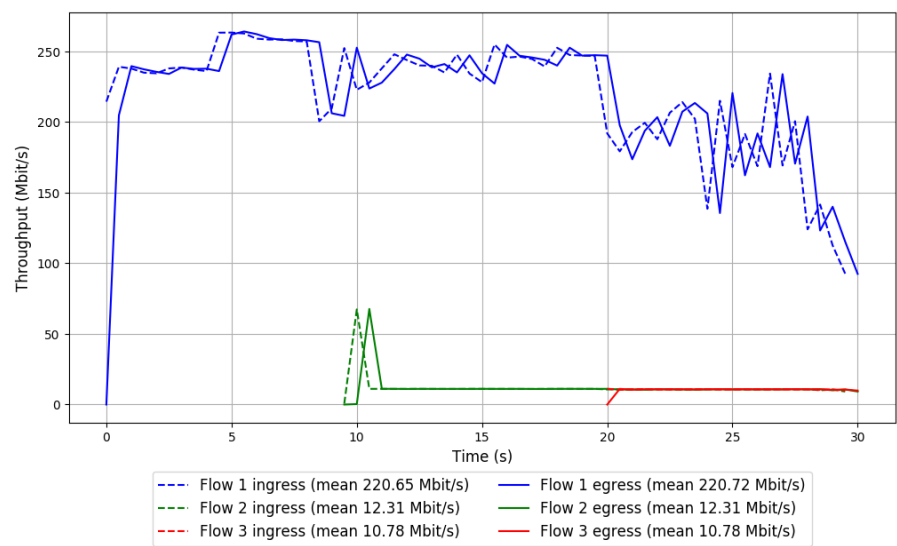


Run 4: Statistics of TaoVA-100x

Start at: 2019-11-24 17:40:24
End at: 2019-11-24 17:40:54
Local clock offset: 4.016 ms
Remote clock offset: -0.112 ms

Below is generated by plot.py at 2019-11-24 19:51:07
Datalink statistics
-- Total of 3 flows:
Average throughput: 232.50 Mbit/s
95th percentile per-packet one-way delay: 19.845 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 220.72 Mbit/s
95th percentile per-packet one-way delay: 19.847 ms
Loss rate: 0.03%
-- Flow 2:
Average throughput: 12.31 Mbit/s
95th percentile per-packet one-way delay: 0.778 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 10.78 Mbit/s
95th percentile per-packet one-way delay: 0.742 ms
Loss rate: 0.01%

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

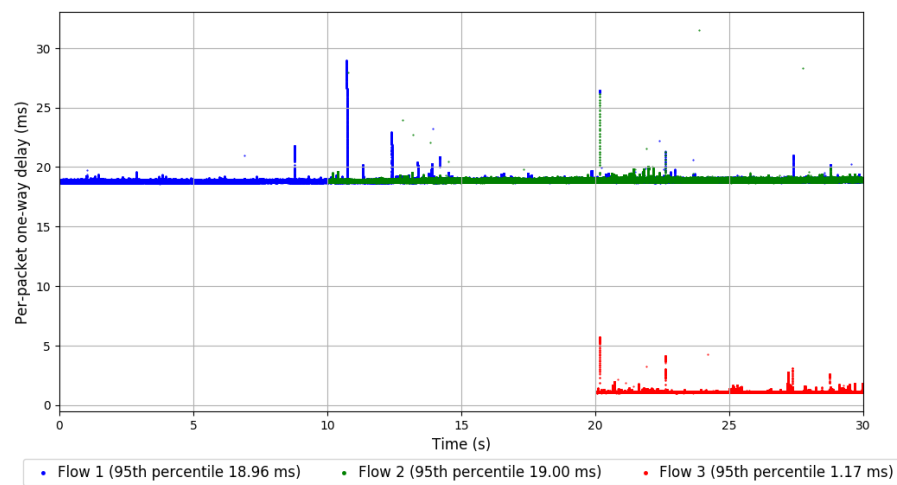
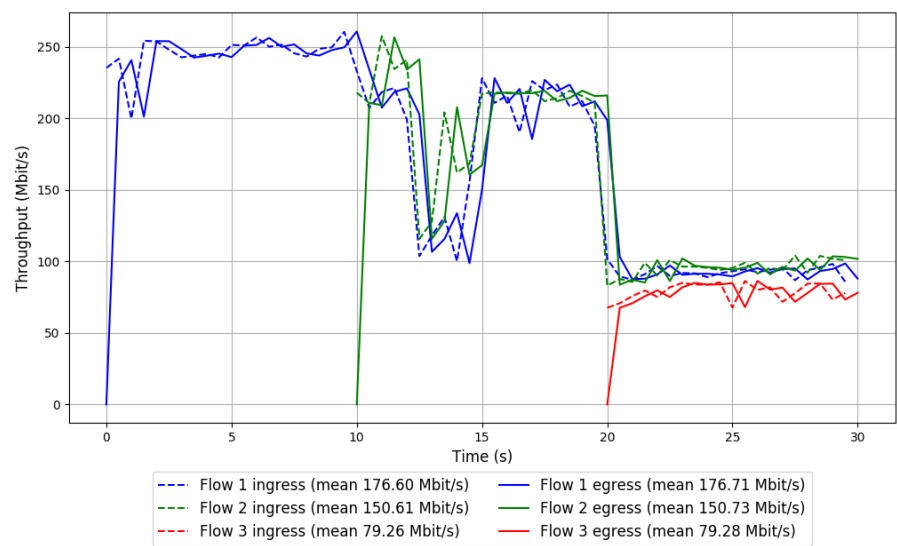


Run 5: Statistics of TaoVA-100x

Start at: 2019-11-24 18:15:10
End at: 2019-11-24 18:15:40
Local clock offset: 4.317 ms
Remote clock offset: -1.214 ms

Below is generated by plot.py at 2019-11-24 19:51:18
Datalink statistics
-- Total of 3 flows:
Average throughput: 303.28 Mbit/s
95th percentile per-packet one-way delay: 18.975 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 176.71 Mbit/s
95th percentile per-packet one-way delay: 18.962 ms
Loss rate: 0.02%
-- Flow 2:
Average throughput: 150.73 Mbit/s
95th percentile per-packet one-way delay: 19.002 ms
Loss rate: 0.03%
-- Flow 3:
Average throughput: 79.28 Mbit/s
95th percentile per-packet one-way delay: 1.167 ms
Loss rate: 0.00%

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



Run 1: Statistics of TCP Vegas

Start at: 2019-11-24 15:50:31

End at: 2019-11-24 15:51:01

Local clock offset: 2.978 ms

Remote clock offset: 0.701 ms

Below is generated by plot.py at 2019-11-24 19:53:14

Datalink statistics

-- Total of 3 flows:

Average throughput: 744.61 Mbit/s

95th percentile per-packet one-way delay: 19.643 ms

Loss rate: 0.06%

-- Flow 1:

Average throughput: 532.02 Mbit/s

95th percentile per-packet one-way delay: 19.584 ms

Loss rate: 0.05%

-- Flow 2:

Average throughput: 159.49 Mbit/s

95th percentile per-packet one-way delay: 1.229 ms

Loss rate: 0.01%

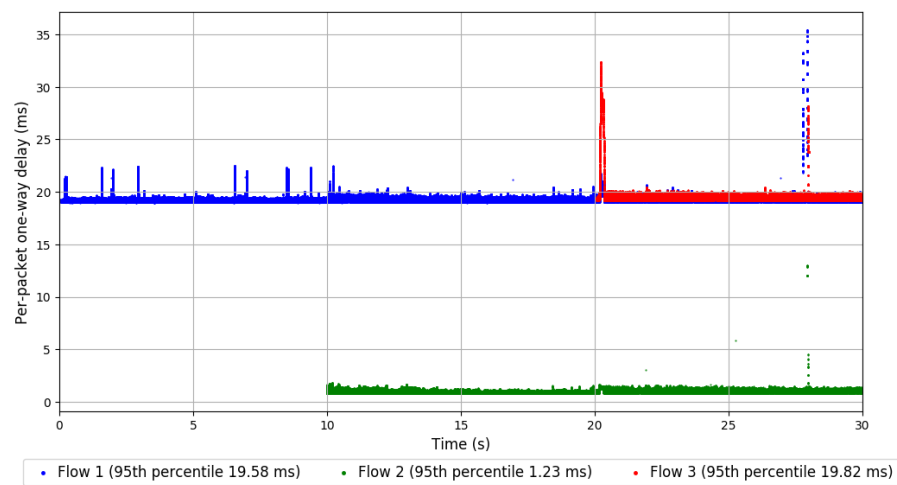
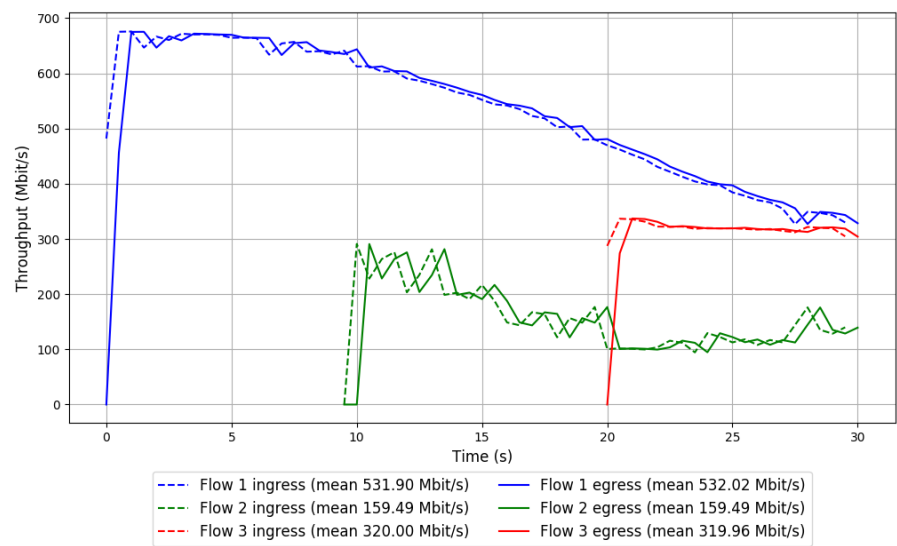
-- Flow 3:

Average throughput: 319.96 Mbit/s

95th percentile per-packet one-way delay: 19.818 ms

Loss rate: 0.21%

Run 1: Report of TCP Vegas — Data Link



Run 2: Statistics of TCP Vegas

Start at: 2019-11-24 16:25:26

End at: 2019-11-24 16:25:56

Local clock offset: 2.749 ms

Remote clock offset: 1.826 ms

Below is generated by plot.py at 2019-11-24 19:56:28

Datalink statistics

-- Total of 3 flows:

Average throughput: 667.28 Mbit/s

95th percentile per-packet one-way delay: 19.658 ms

Loss rate: 0.07%

-- Flow 1:

Average throughput: 205.40 Mbit/s

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

Loss rate: 0.01%

-- Flow 2:

Average throughput: 528.00 Mbit/s

95th percentile per-packet one-way delay: 19.725 ms

Loss rate: 0.07%

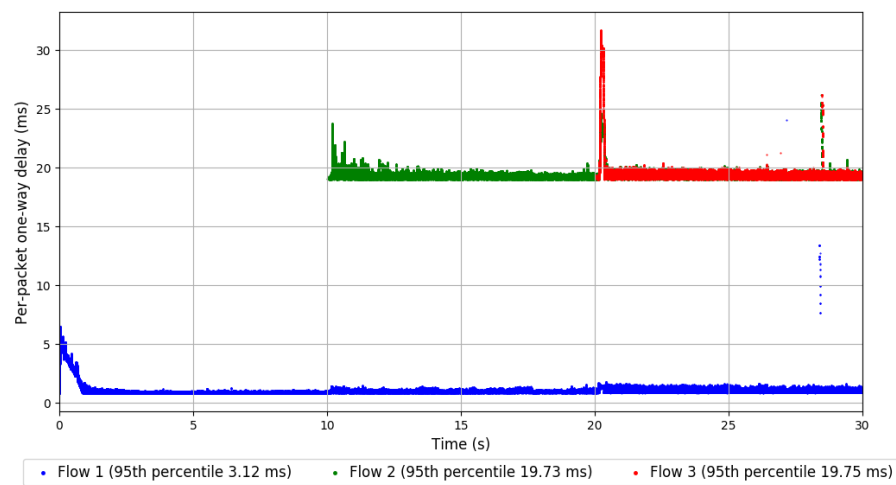
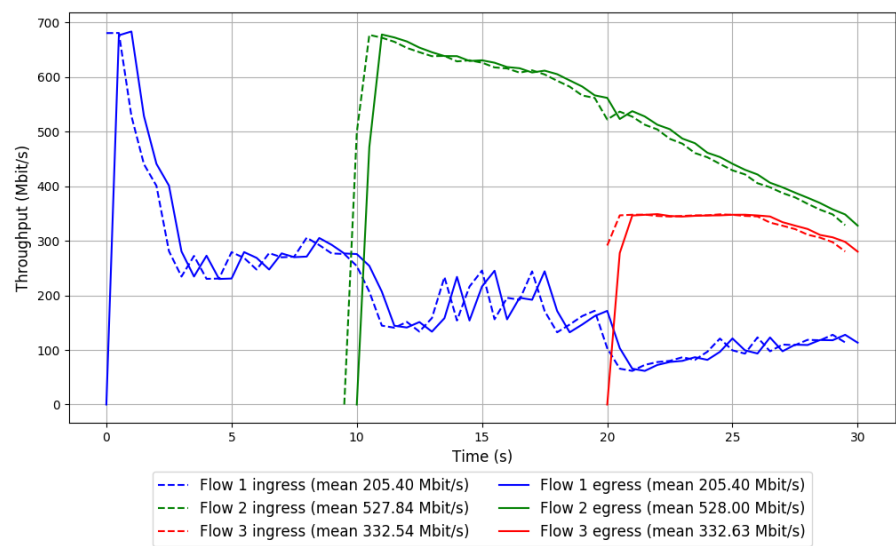
-- Flow 3:

Average throughput: 332.63 Mbit/s

95th percentile per-packet one-way delay: 19.746 ms

Loss rate: 0.18%

Run 2: Report of TCP Vegas — Data Link

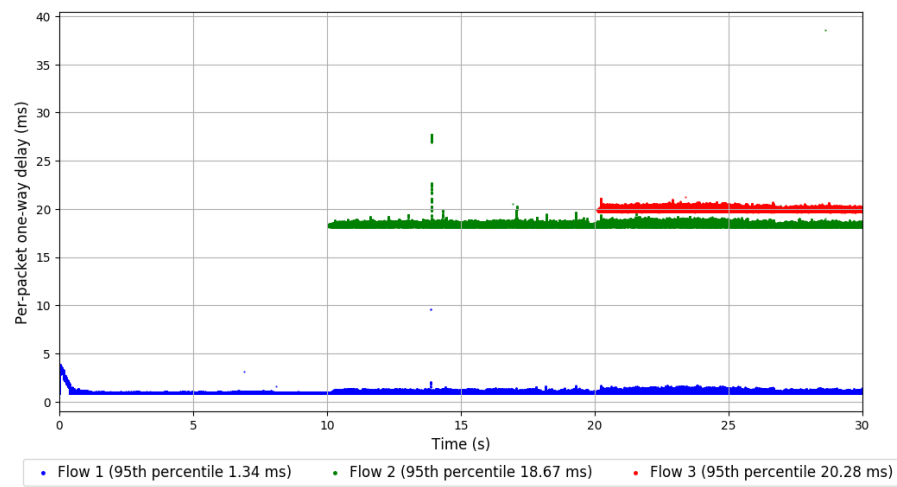
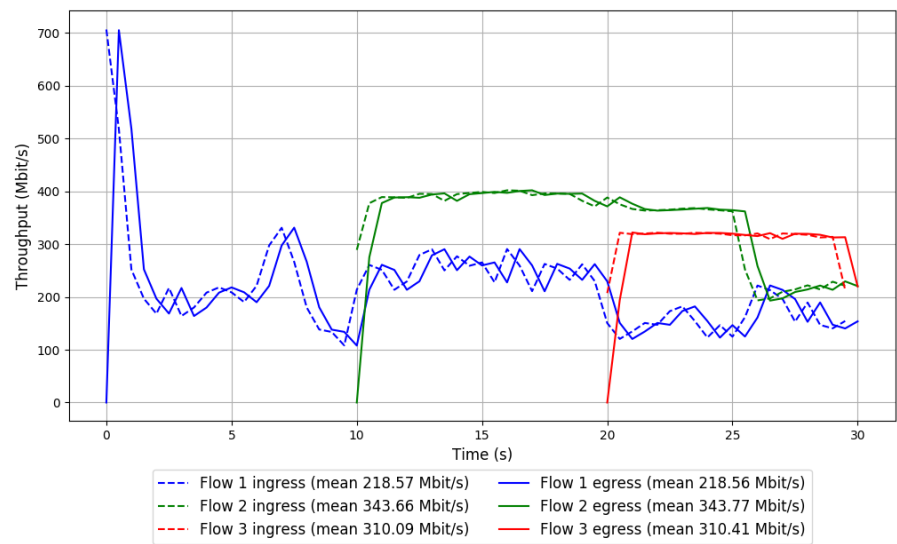


Run 3: Statistics of TCP Vegas

Start at: 2019-11-24 16:59:46
End at: 2019-11-24 17:00:16
Local clock offset: 3.501 ms
Remote clock offset: -3.058 ms

Below is generated by plot.py at 2019-11-24 19:56:28
Datalink statistics
-- Total of 3 flows:
Average throughput: 549.87 Mbit/s
95th percentile per-packet one-way delay: 20.086 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 218.56 Mbit/s
95th percentile per-packet one-way delay: 1.337 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 343.77 Mbit/s
95th percentile per-packet one-way delay: 18.671 ms
Loss rate: 0.06%
-- Flow 3:
Average throughput: 310.41 Mbit/s
95th percentile per-packet one-way delay: 20.284 ms
Loss rate: 0.11%

Run 3: Report of TCP Vegas — Data Link



Run 4: Statistics of TCP Vegas

Start at: 2019-11-24 17:34:25

End at: 2019-11-24 17:34:55

Local clock offset: 3.945 ms

Remote clock offset: 2.494 ms

Below is generated by plot.py at 2019-11-24 19:58:23

Datalink statistics

-- Total of 3 flows:

Average throughput: 803.73 Mbit/s

95th percentile per-packet one-way delay: 19.532 ms

Loss rate: 0.06%

-- Flow 1:

Average throughput: 416.94 Mbit/s

95th percentile per-packet one-way delay: 19.645 ms

Loss rate: 0.05%

-- Flow 2:

Average throughput: 522.06 Mbit/s

95th percentile per-packet one-way delay: 19.220 ms

Loss rate: 0.07%

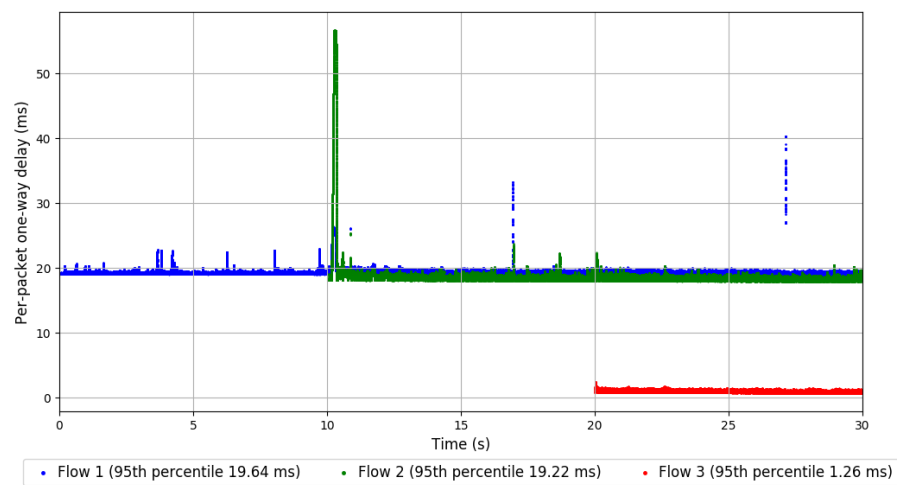
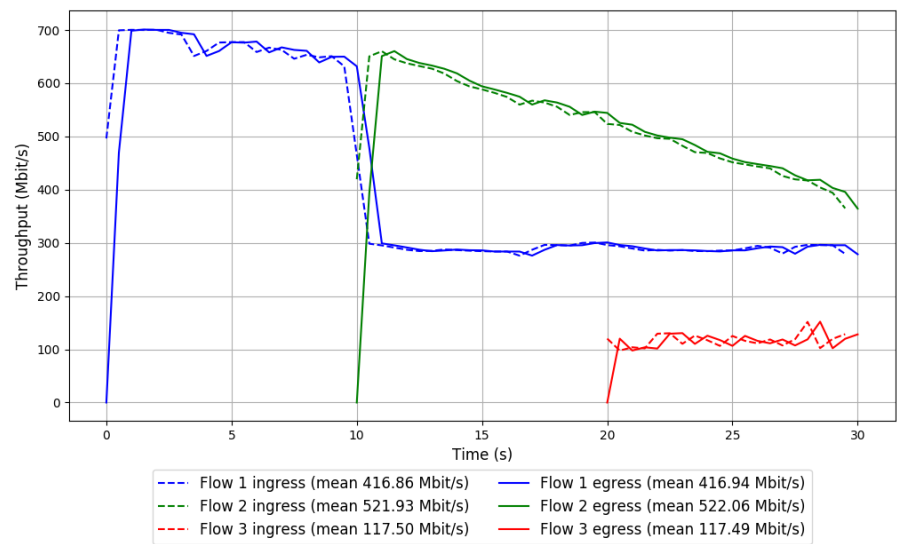
-- Flow 3:

Average throughput: 117.49 Mbit/s

95th percentile per-packet one-way delay: 1.259 ms

Loss rate: 0.02%

Run 4: Report of TCP Vegas — Data Link



Run 5: Statistics of TCP Vegas

Start at: 2019-11-24 18:09:09

End at: 2019-11-24 18:09:39

Local clock offset: 4.486 ms

Remote clock offset: -2.81 ms

Below is generated by plot.py at 2019-11-24 19:58:23

Datalink statistics

-- Total of 3 flows:

Average throughput: 683.44 Mbit/s

95th percentile per-packet one-way delay: 20.606 ms

Loss rate: 0.08%

-- Flow 1:

Average throughput: 285.96 Mbit/s

95th percentile per-packet one-way delay: 20.236 ms

Loss rate: 0.06%

-- Flow 2:

Average throughput: 455.97 Mbit/s

95th percentile per-packet one-way delay: 20.730 ms

Loss rate: 0.07%

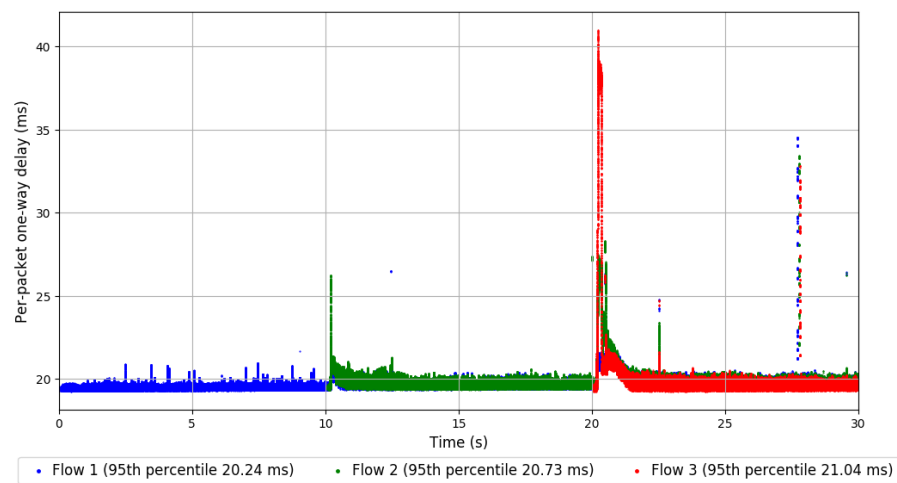
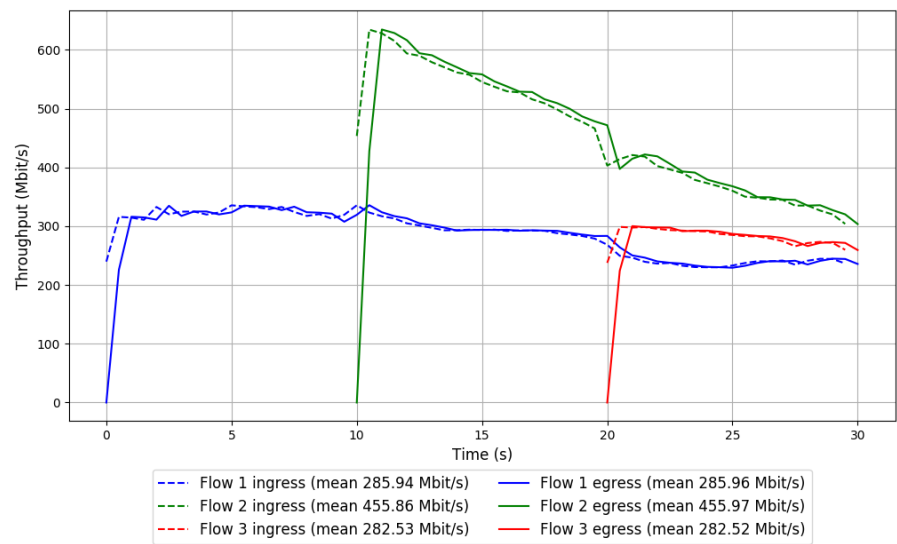
-- Flow 3:

Average throughput: 282.52 Mbit/s

95th percentile per-packet one-way delay: 21.037 ms

Loss rate: 0.20%

Run 5: Report of TCP Vegas — Data Link



Run 1: Statistics of Verus

Start at: 2019-11-24 16:14:13

End at: 2019-11-24 16:14:43

Local clock offset: 2.756 ms

Remote clock offset: 1.237 ms

Below is generated by plot.py at 2019-11-24 19:58:23

Datalink statistics

-- Total of 3 flows:

Average throughput: 266.36 Mbit/s

95th percentile per-packet one-way delay: 2.016 ms

Loss rate: 0.01%

-- Flow 1:

Average throughput: 141.76 Mbit/s

95th percentile per-packet one-way delay: 2.094 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 134.11 Mbit/s

95th percentile per-packet one-way delay: 1.955 ms

Loss rate: 0.02%

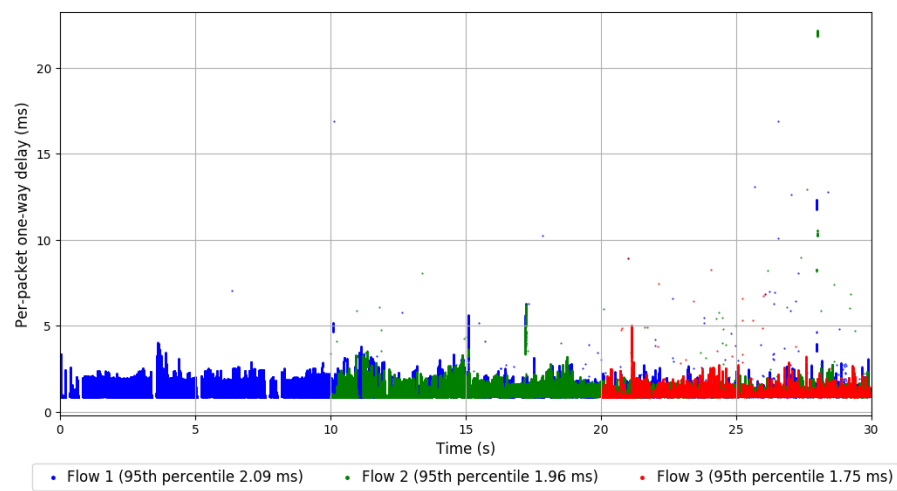
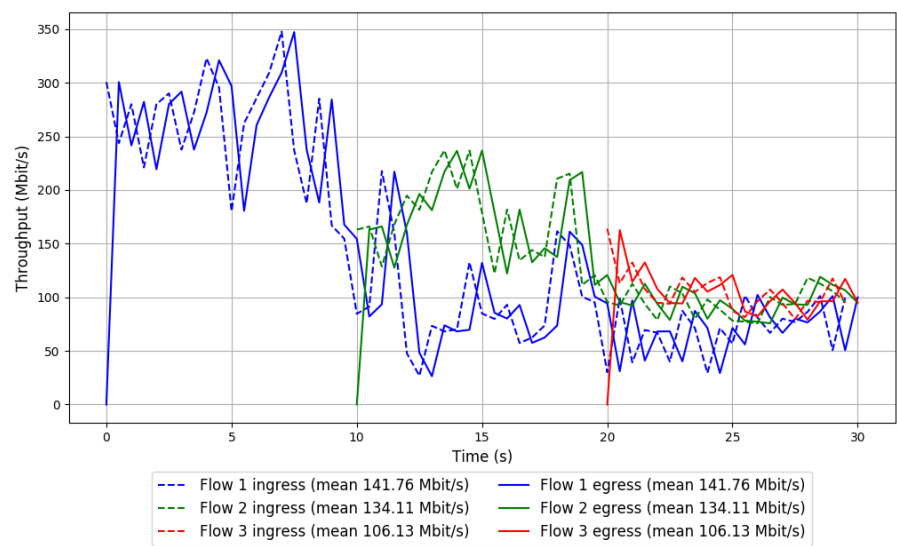
-- Flow 3:

Average throughput: 106.13 Mbit/s

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

Loss rate: 0.00%

Run 1: Report of Verus — Data Link

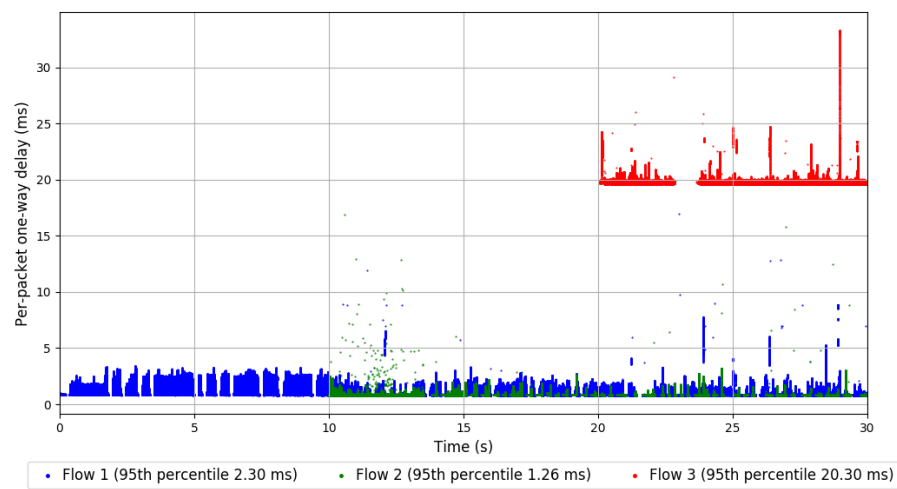
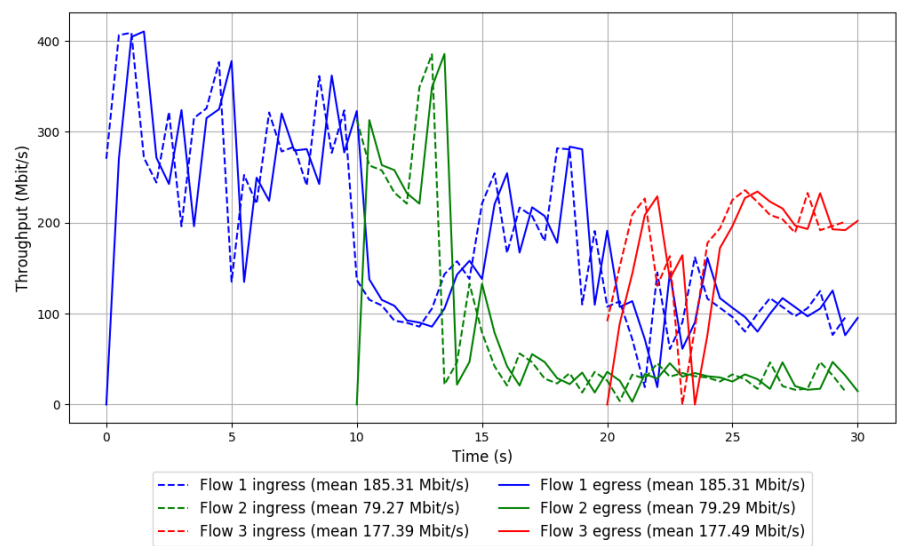


Run 2: Statistics of Verus

Start at: 2019-11-24 16:48:42
End at: 2019-11-24 16:49:12
Local clock offset: 3.218 ms
Remote clock offset: -2.658 ms

Below is generated by plot.py at 2019-11-24 19:58:23
Datalink statistics
-- Total of 3 flows:
Average throughput: 296.94 Mbit/s
95th percentile per-packet one-way delay: 19.794 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 185.31 Mbit/s
95th percentile per-packet one-way delay: 2.298 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 79.29 Mbit/s
95th percentile per-packet one-way delay: 1.258 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 177.49 Mbit/s
95th percentile per-packet one-way delay: 20.299 ms
Loss rate: 0.23%

Run 2: Report of Verus — Data Link



Run 3: Statistics of Verus

Start at: 2019-11-24 17:23:13

End at: 2019-11-24 17:23:43

Local clock offset: 3.84 ms

Remote clock offset: 1.446 ms

Below is generated by plot.py at 2019-11-24 19:58:23

Datalink statistics

-- Total of 3 flows:

Average throughput: 327.25 Mbit/s

95th percentile per-packet one-way delay: 25.206 ms

Loss rate: 0.05%

-- Flow 1:

Average throughput: 207.35 Mbit/s

95th percentile per-packet one-way delay: 27.190 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 107.85 Mbit/s

95th percentile per-packet one-way delay: 21.869 ms

Loss rate: 0.09%

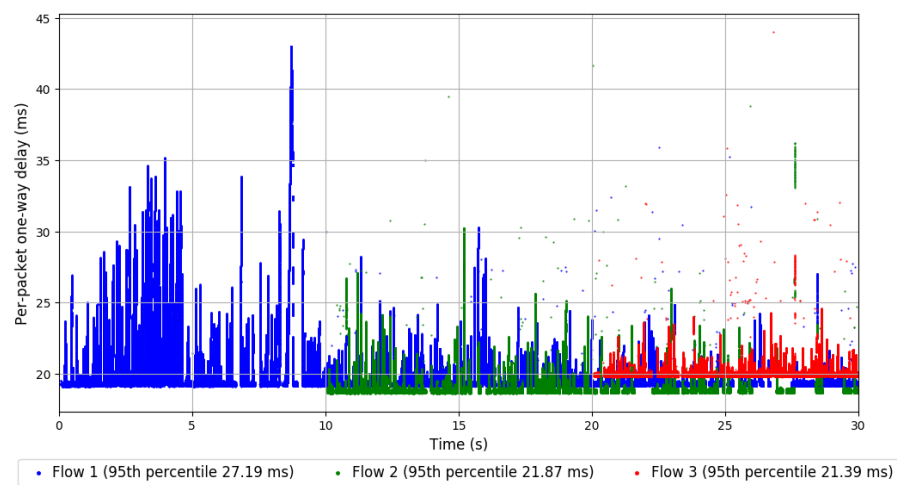
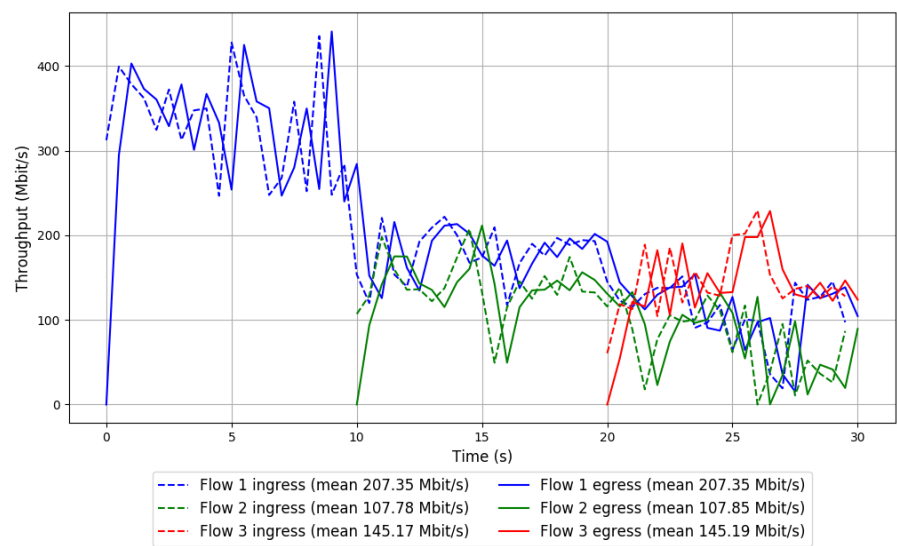
-- Flow 3:

Average throughput: 145.19 Mbit/s

95th percentile per-packet one-way delay: 21.387 ms

Loss rate: 0.22%

Run 3: Report of Verus — Data Link

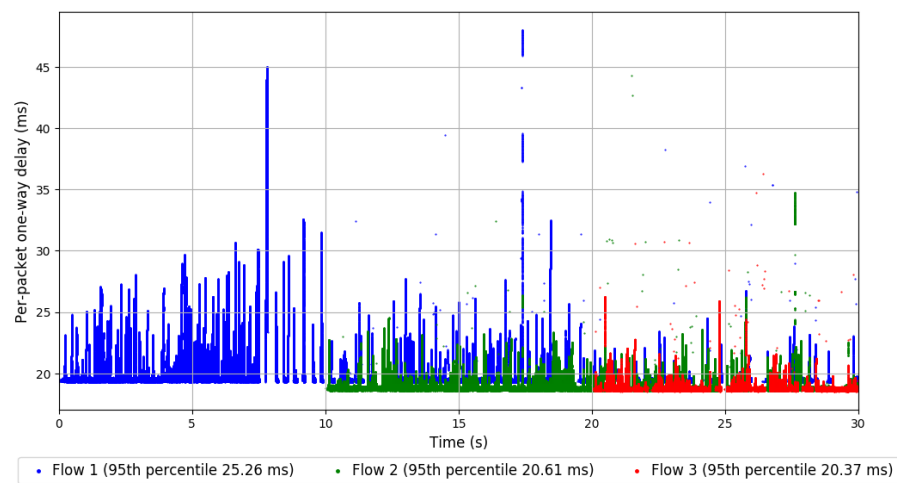
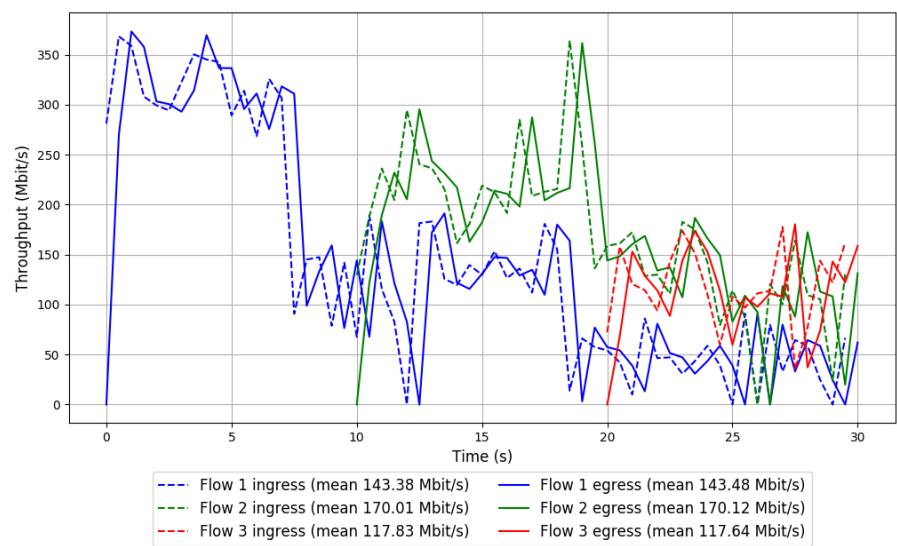


Run 4: Statistics of Verus

Start at: 2019-11-24 17:57:57
End at: 2019-11-24 17:58:27
Local clock offset: 4.35 ms
Remote clock offset: -2.606 ms

Below is generated by plot.py at 2019-11-24 19:58:23
Datalink statistics
-- Total of 3 flows:
Average throughput: 295.70 Mbit/s
95th percentile per-packet one-way delay: 23.215 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 143.48 Mbit/s
95th percentile per-packet one-way delay: 25.260 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 170.12 Mbit/s
95th percentile per-packet one-way delay: 20.610 ms
Loss rate: 0.04%
-- Flow 3:
Average throughput: 117.64 Mbit/s
95th percentile per-packet one-way delay: 20.373 ms
Loss rate: 0.36%

Run 4: Report of Verus — Data Link



Run 5: Statistics of Verus

Start at: 2019-11-24 18:32:43

End at: 2019-11-24 18:33:13

Local clock offset: 4.27 ms

Remote clock offset: 0.835 ms

Below is generated by plot.py at 2019-11-24 19:58:23

Datalink statistics

-- Total of 3 flows:

Average throughput: 290.83 Mbit/s

95th percentile per-packet one-way delay: 3.058 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 160.59 Mbit/s

95th percentile per-packet one-way delay: 3.447 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 142.99 Mbit/s

95th percentile per-packet one-way delay: 1.855 ms

Loss rate: 0.00%

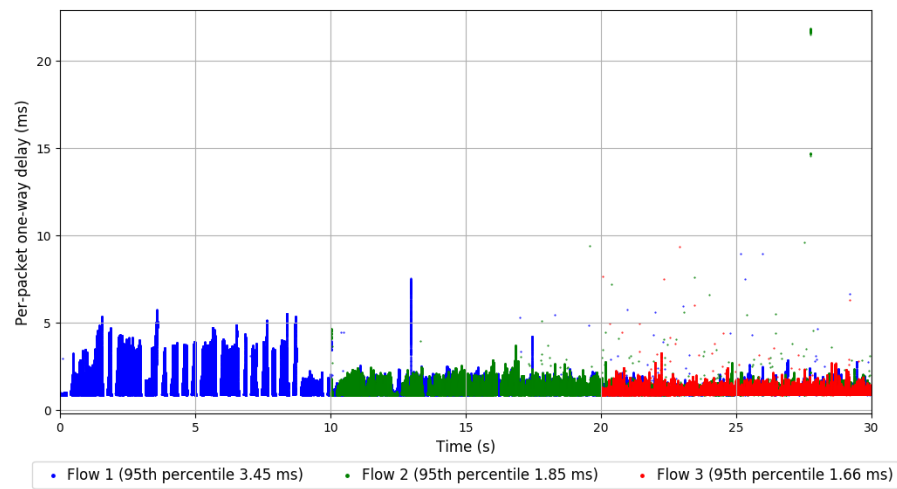
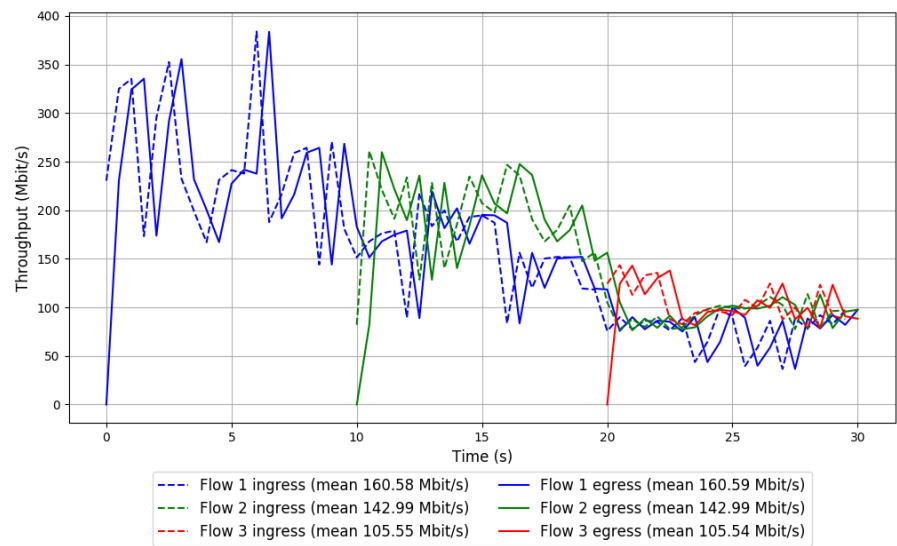
-- Flow 3:

Average throughput: 105.54 Mbit/s

95th percentile per-packet one-way delay: 1.659 ms

Loss rate: 0.00%

Run 5: Report of Verus — Data Link



Run 1: Statistics of PCC-Vivace

Start at: 2019-11-24 15:47:47

End at: 2019-11-24 15:48:17

Local clock offset: 3.012 ms

Remote clock offset: 0.488 ms

Below is generated by plot.py at 2019-11-24 19:58:23

Datalink statistics

-- Total of 3 flows:

Average throughput: 343.20 Mbit/s

95th percentile per-packet one-way delay: 19.021 ms

Loss rate: 0.07%

-- Flow 1:

Average throughput: 251.40 Mbit/s

95th percentile per-packet one-way delay: 18.434 ms

Loss rate: 0.03%

-- Flow 2:

Average throughput: 85.59 Mbit/s

95th percentile per-packet one-way delay: 19.216 ms

Loss rate: 0.15%

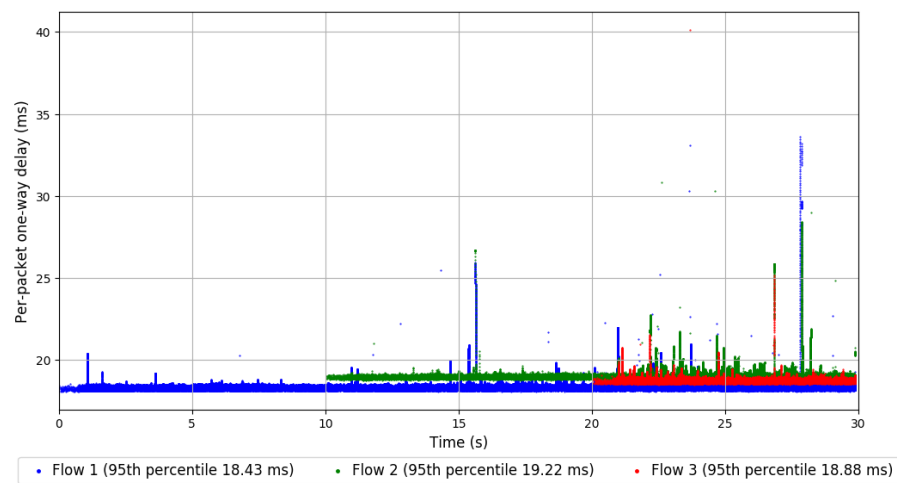
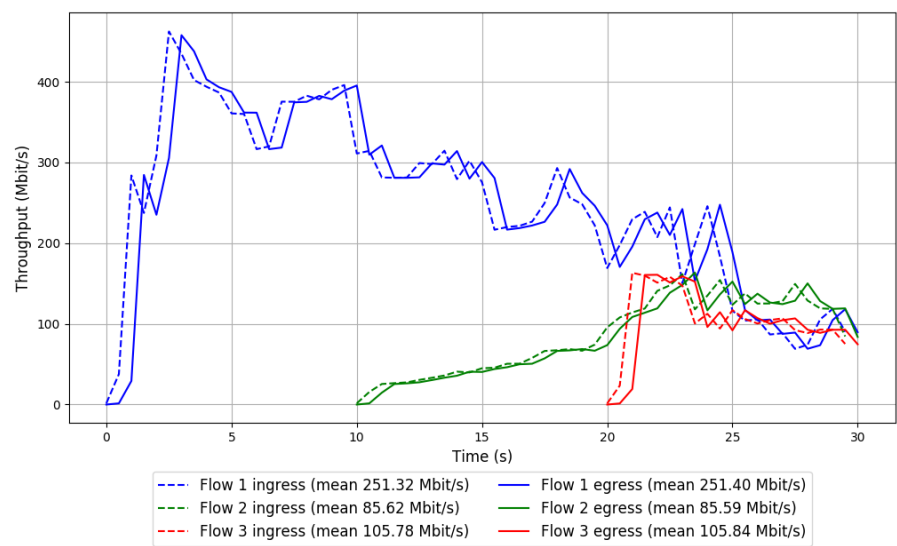
-- Flow 3:

Average throughput: 105.84 Mbit/s

95th percentile per-packet one-way delay: 18.877 ms

Loss rate: 0.20%

Run 1: Report of PCC-Vivace — Data Link



Run 2: Statistics of PCC-Vivace

Start at: 2019-11-24 16:22:41

End at: 2019-11-24 16:23:11

Local clock offset: 2.754 ms

Remote clock offset: 1.68 ms

Below is generated by plot.py at 2019-11-24 19:58:55

Datalink statistics

-- Total of 3 flows:

Average throughput: 376.63 Mbit/s

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

Loss rate: 0.50%

-- Flow 1:

Average throughput: 278.81 Mbit/s

95th percentile per-packet one-way delay: 19.305 ms

Loss rate: 0.03%

-- Flow 2:

Average throughput: 118.01 Mbit/s

95th percentile per-packet one-way delay: 18.904 ms

Loss rate: 2.17%

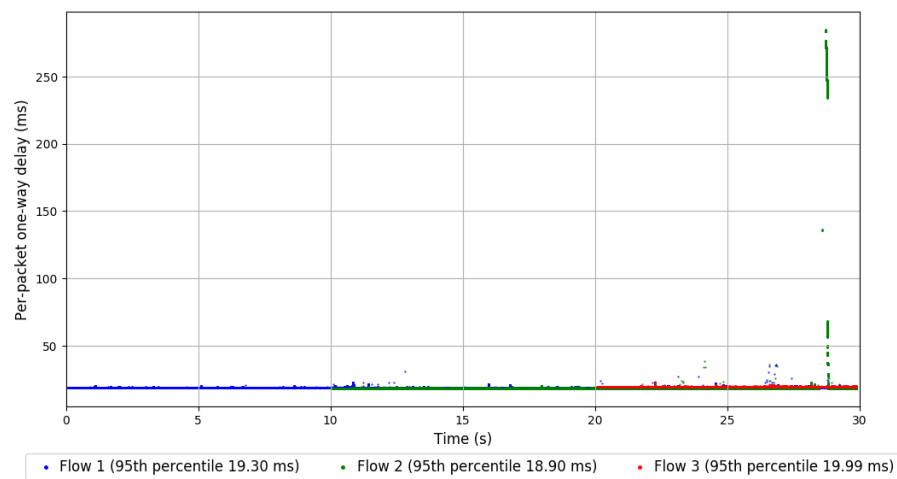
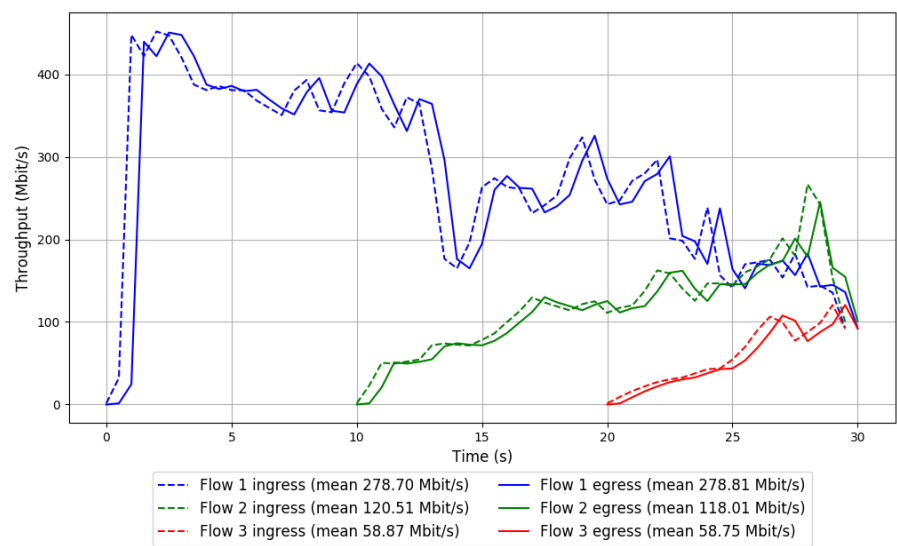
-- Flow 3:

Average throughput: 58.75 Mbit/s

95th percentile per-packet one-way delay: 19.987 ms

Loss rate: 0.42%

Run 2: Report of PCC-Vivace — Data Link



Run 3: Statistics of PCC-Vivace

Start at: 2019-11-24 16:57:09

End at: 2019-11-24 16:57:39

Local clock offset: 3.472 ms

Remote clock offset: -2.99 ms

Below is generated by plot.py at 2019-11-24 19:59:13

Datalink statistics

-- Total of 3 flows:

Average throughput: 361.30 Mbit/s

95th percentile per-packet one-way delay: 19.341 ms

Loss rate: 0.07%

-- Flow 1:

Average throughput: 237.45 Mbit/s

95th percentile per-packet one-way delay: 19.334 ms

Loss rate: 0.05%

-- Flow 2:

Average throughput: 141.42 Mbit/s

95th percentile per-packet one-way delay: 19.399 ms

Loss rate: 0.07%

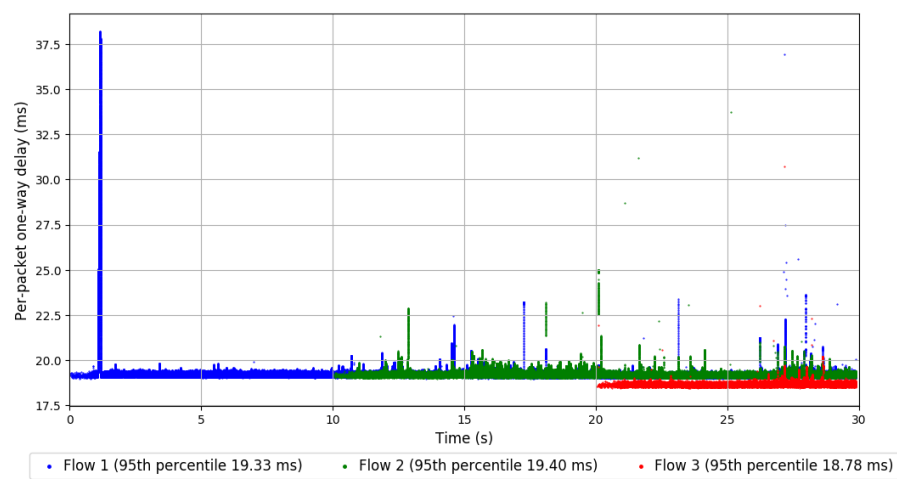
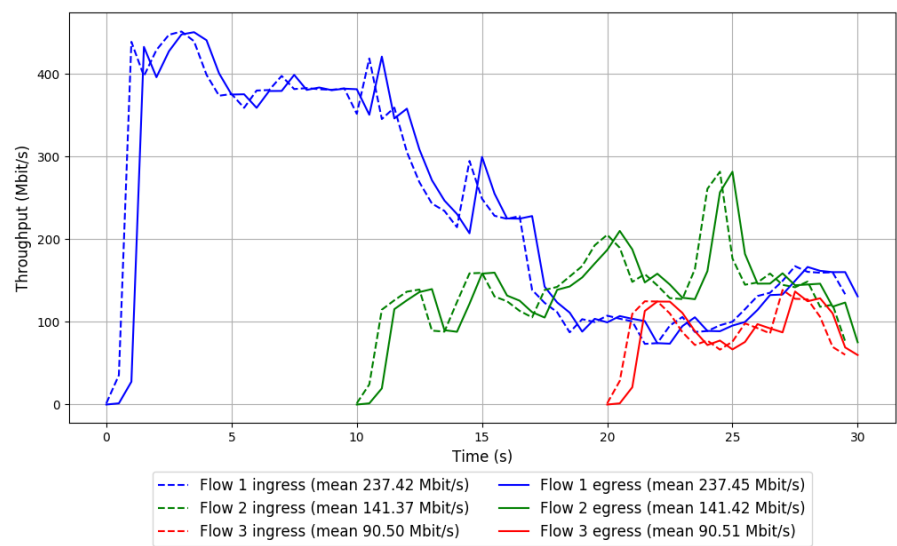
-- Flow 3:

Average throughput: 90.51 Mbit/s

95th percentile per-packet one-way delay: 18.783 ms

Loss rate: 0.18%

Run 3: Report of PCC-Vivace — Data Link



Run 4: Statistics of PCC-Vivace

Start at: 2019-11-24 17:31:42

End at: 2019-11-24 17:32:12

Local clock offset: 3.928 ms

Remote clock offset: 2.214 ms

Below is generated by plot.py at 2019-11-24 19:59:15

Datalink statistics

-- Total of 3 flows:

Average throughput: 318.39 Mbit/s

95th percentile per-packet one-way delay: 20.040 ms

Loss rate: 0.04%

-- Flow 1:

Average throughput: 228.62 Mbit/s

95th percentile per-packet one-way delay: 20.061 ms

Loss rate: 0.02%

-- Flow 2:

Average throughput: 109.04 Mbit/s

95th percentile per-packet one-way delay: 1.238 ms

Loss rate: 0.03%

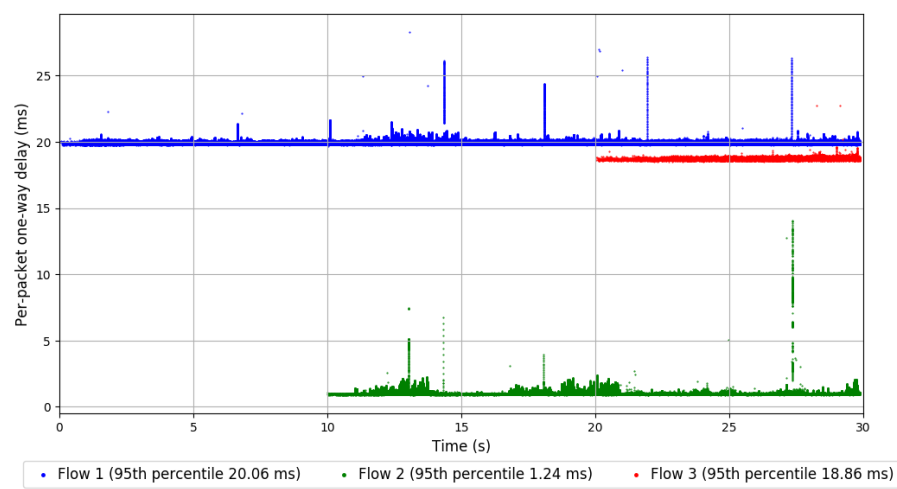
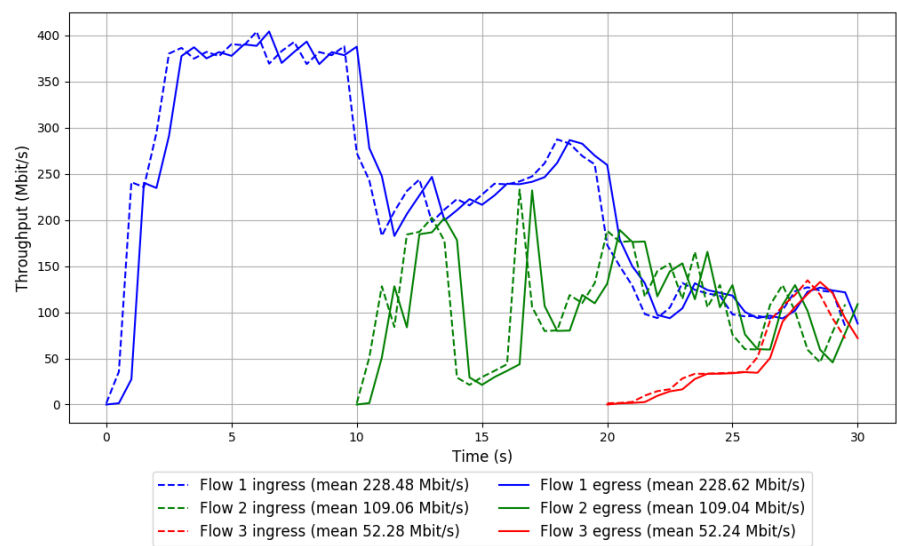
-- Flow 3:

Average throughput: 52.24 Mbit/s

95th percentile per-packet one-way delay: 18.857 ms

Loss rate: 0.32%

Run 4: Report of PCC-Vivace — Data Link

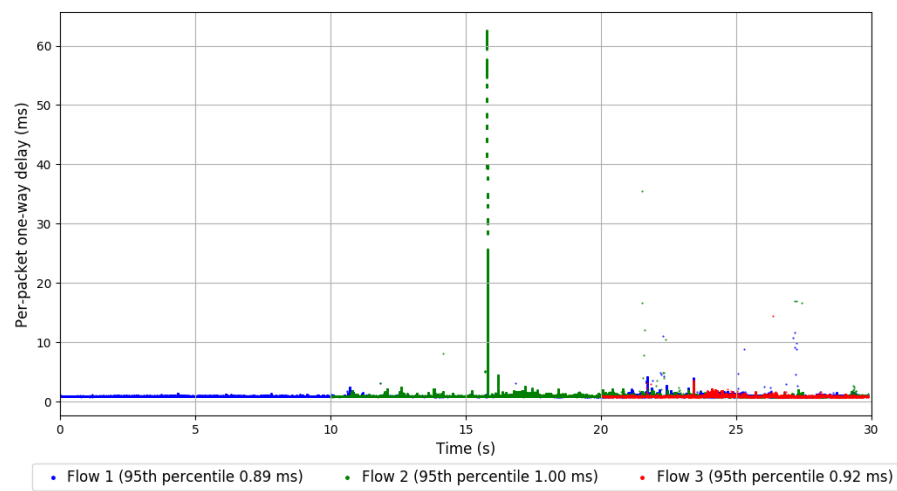
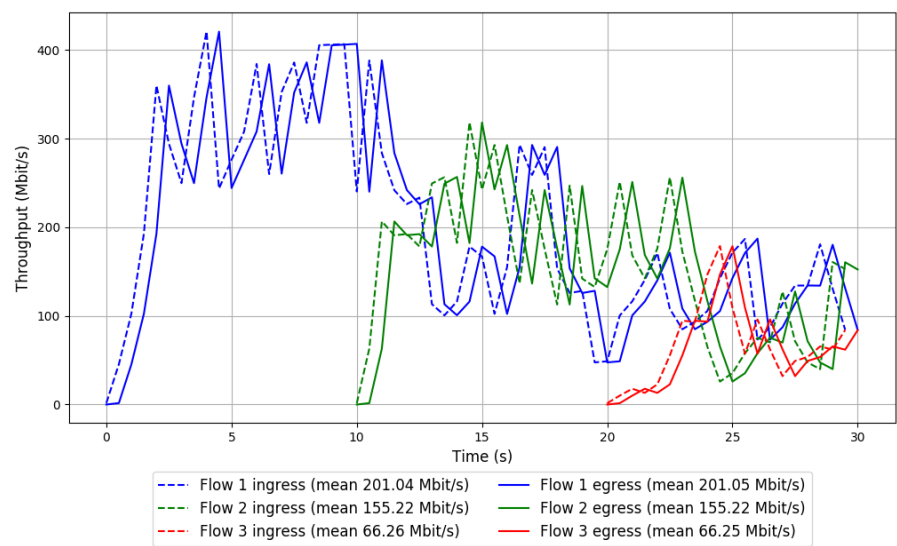


Run 5: Statistics of PCC-Vivace

Start at: 2019-11-24 18:06:26
End at: 2019-11-24 18:06:56
Local clock offset: 4.468 ms
Remote clock offset: -2.803 ms

Below is generated by plot.py at 2019-11-24 19:59:19
Datalink statistics
-- Total of 3 flows:
Average throughput: 326.08 Mbit/s
95th percentile per-packet one-way delay: 0.900 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 201.05 Mbit/s
95th percentile per-packet one-way delay: 0.888 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 155.22 Mbit/s
95th percentile per-packet one-way delay: 1.000 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 66.25 Mbit/s
95th percentile per-packet one-way delay: 0.924 ms
Loss rate: 0.03%

Run 5: Report of PCC-Vivace — Data Link



Run 1: Statistics of WebRTC media

Start at: 2019-11-24 16:17:00

End at: 2019-11-24 16:17:30

Local clock offset: 2.797 ms

Remote clock offset: 1.389 ms

Below is generated by plot.py at 2019-11-24 19:59:19

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.14 Mbit/s

95th percentile per-packet one-way delay: 18.759 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 0.05 Mbit/s

95th percentile per-packet one-way delay: 1.015 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 0.05 Mbit/s

95th percentile per-packet one-way delay: 18.834 ms

Loss rate: 0.00%

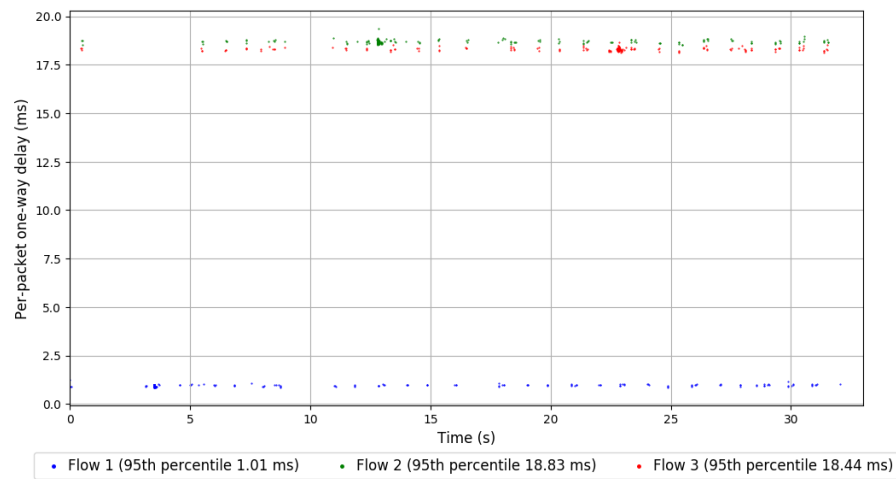
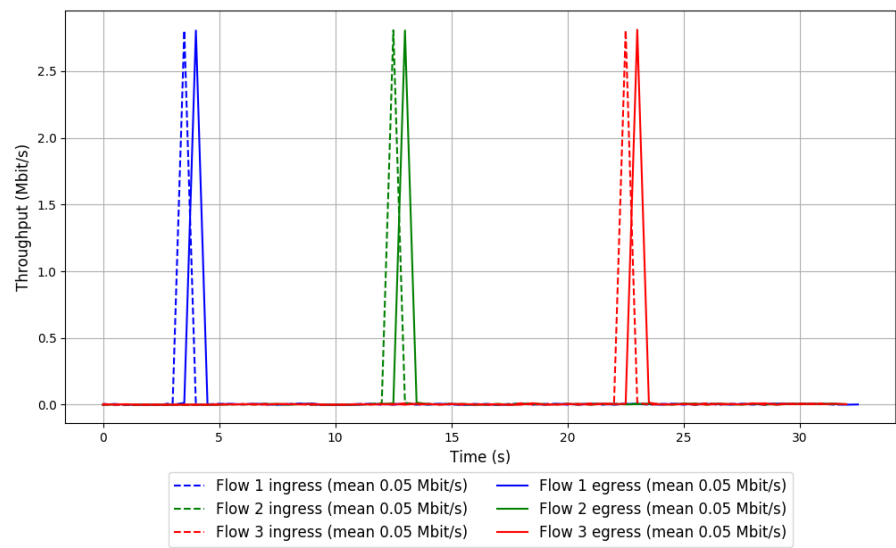
-- Flow 3:

Average throughput: 0.05 Mbit/s

95th percentile per-packet one-way delay: 18.440 ms

Loss rate: 0.00%

Run 1: Report of WebRTC media — Data Link

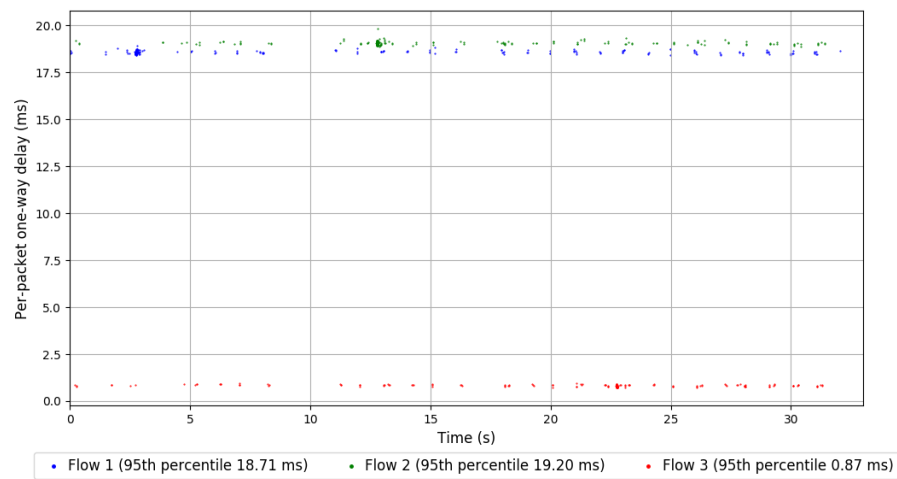
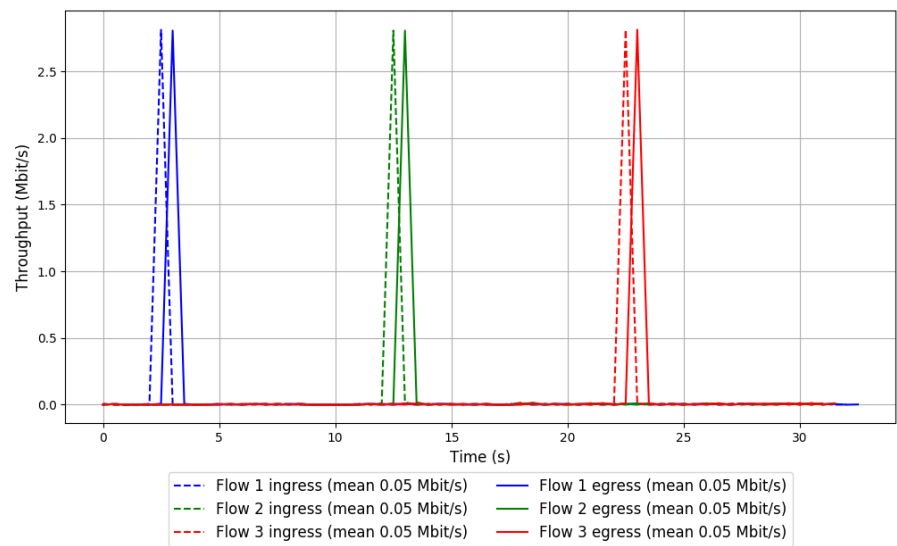


Run 2: Statistics of WebRTC media

Start at: 2019-11-24 16:51:30
End at: 2019-11-24 16:52:00
Local clock offset: 3.297 ms
Remote clock offset: -2.773 ms

Below is generated by plot.py at 2019-11-24 19:59:19
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.14 Mbit/s
95th percentile per-packet one-way delay: 19.135 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 18.715 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 19.203 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 0.874 ms
Loss rate: 0.00%

Run 2: Report of WebRTC media — Data Link



Run 3: Statistics of WebRTC media

Start at: 2019-11-24 17:26:03

End at: 2019-11-24 17:26:33

Local clock offset: 3.892 ms

Remote clock offset: 1.775 ms

Below is generated by plot.py at 2019-11-24 19:59:19

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.14 Mbit/s

95th percentile per-packet one-way delay: 18.387 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 0.05 Mbit/s

95th percentile per-packet one-way delay: 1.062 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 0.05 Mbit/s

95th percentile per-packet one-way delay: 18.440 ms

Loss rate: 0.00%

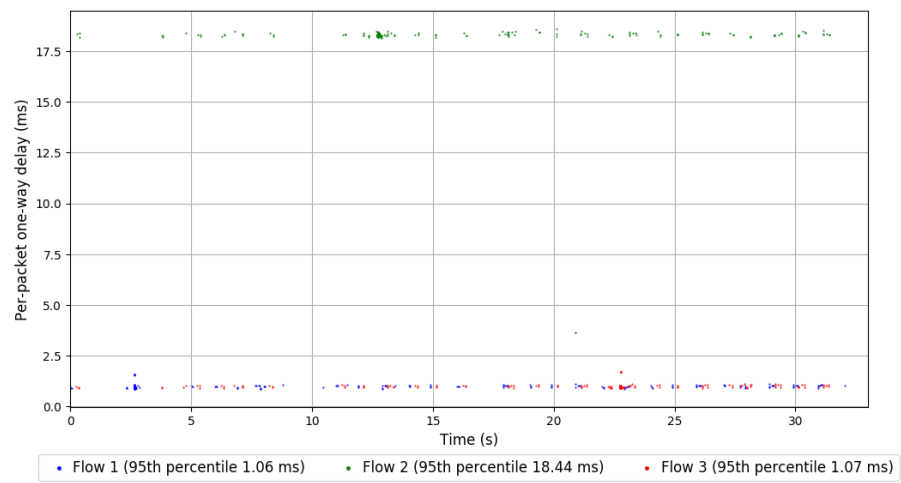
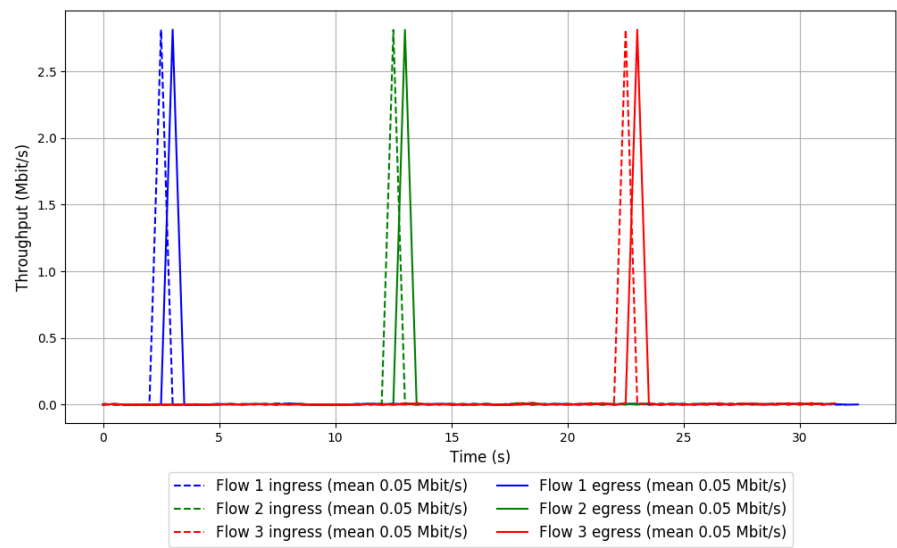
-- Flow 3:

Average throughput: 0.05 Mbit/s

95th percentile per-packet one-way delay: 1.069 ms

Loss rate: 0.00%

Run 3: Report of WebRTC media — Data Link

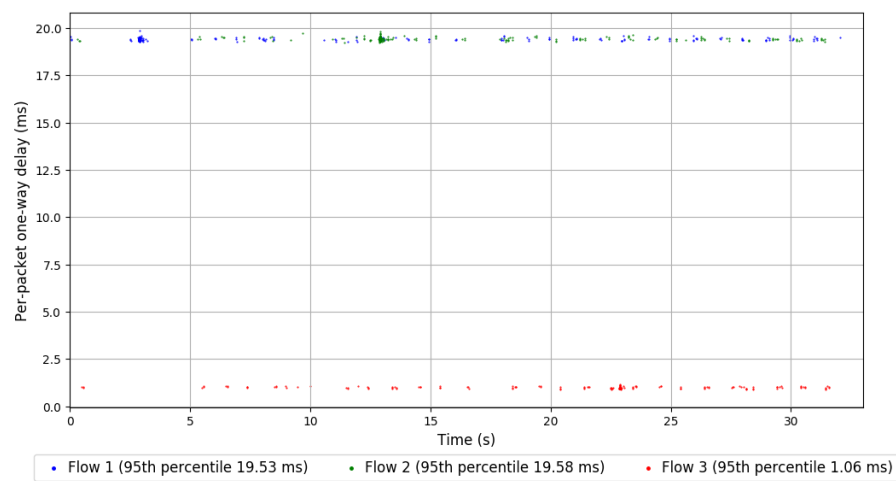
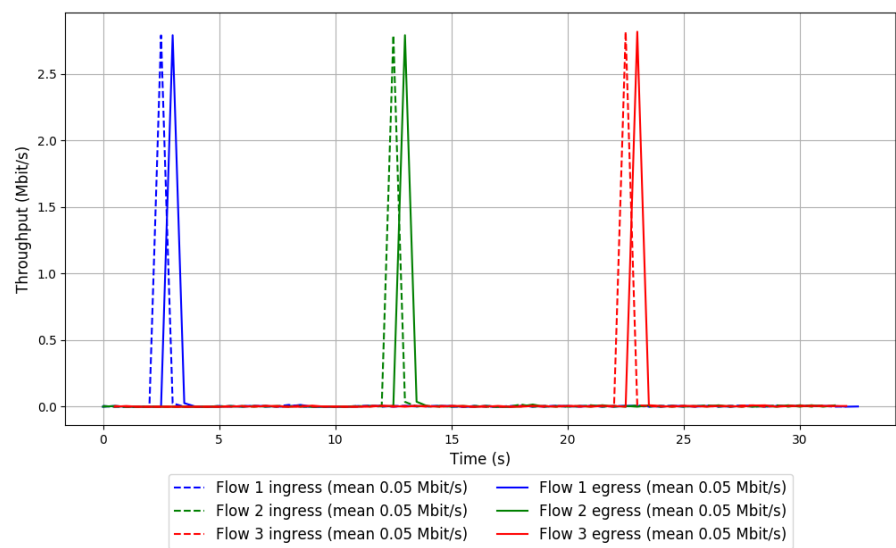


Run 4: Statistics of WebRTC media

Start at: 2019-11-24 18:00:44
End at: 2019-11-24 18:01:14
Local clock offset: 4.382 ms
Remote clock offset: -2.744 ms

```
# Below is generated by plot.py at 2019-11-24 19:59:19
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.14 Mbit/s
95th percentile per-packet one-way delay: 19.536 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 19.534 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 19.576 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 1.058 ms
Loss rate: 0.00%
```

Run 4: Report of WebRTC media — Data Link



Run 5: Statistics of WebRTC media

Start at: 2019-11-24 18:35:30

End at: 2019-11-24 18:36:00

Local clock offset: 4.278 ms

Remote clock offset: 0.924 ms

Below is generated by plot.py at 2019-11-24 19:59:19

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.14 Mbit/s

95th percentile per-packet one-way delay: 19.998 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 0.05 Mbit/s

95th percentile per-packet one-way delay: 1.102 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 0.05 Mbit/s

95th percentile per-packet one-way delay: 20.048 ms

Loss rate: 0.00%

-- Flow 3:

Average throughput: 0.05 Mbit/s

95th percentile per-packet one-way delay: 1.257 ms

Loss rate: 0.00%

Run 5: Report of WebRTC media — Data Link

