

Pantheon Report

Generated at 2019-09-19 02:57:43 (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:

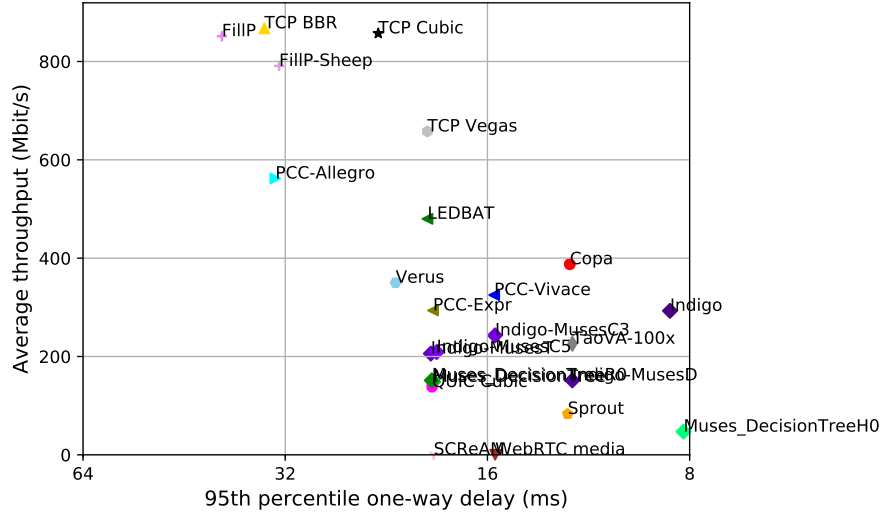
```
Linux 4.15.0-1045-aws
net.core.default_qdisc = fq
net.core.rmem_default = 16777216
net.core.rmem_max = 536870912
net.core.wmem_default = 16777216
net.core.wmem_max = 536870912
net.ipv4.tcp_rmem = 4096 16777216 536870912
net.ipv4.tcp_wmem = 4096 16777216 536870912
```

Git summary:

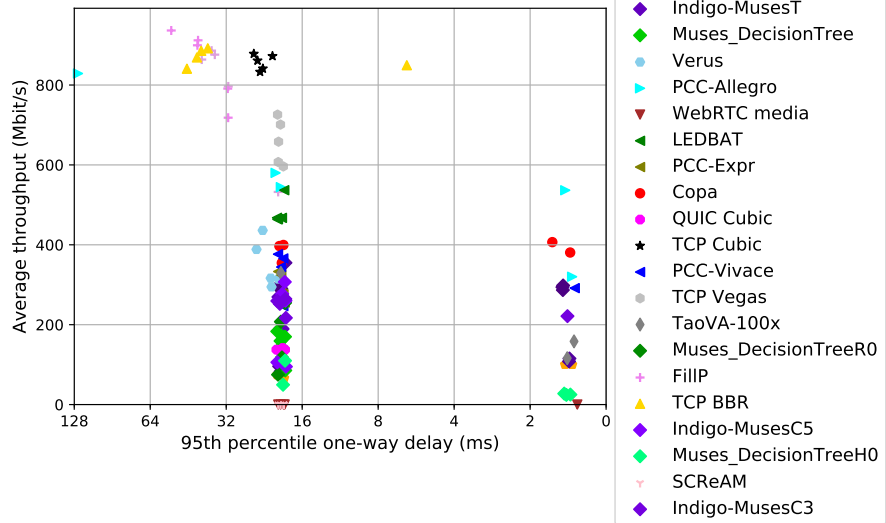
```
branch: muses @ de42328552b3776a75a932a94dfafd722537b0ec
third_party/fillp @ d6da1459332fcee56963885d7eba17e6a32d4519
third_party/fillp-sheep @ 0e5bb722943babcd2b090d2c64fcd45e12e923f9
third_party/genericCC @ d0153f8e594aa89e93b032143cedbdf58e562f4
third_party/indigo @ 2601c92e4aa9d58d38dc4dfe0ecd90c077e64d
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)



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



scheme	# runs	mean avg tput (Mbit/s)			mean 95th-%ile delay (ms)			mean loss rate (%)		
		flow 1	flow 2	flow 3	flow 1	flow 2	flow 3	flow 1	flow 2	flow 3
TCP BBR	5	492.97	399.32	326.50	28.01	24.56	29.14	0.25	0.35	0.50
Copa	5	236.49	175.04	104.79	4.66	8.41	8.31	0.01	0.03	0.11
TCP Cubic	5	495.75	375.00	336.50	21.01	17.93	18.24	0.04	0.06	0.16
FillP	5	487.08	410.81	276.16	38.02	33.38	32.05	0.08	0.11	0.29
FillP-Sheep	5	514.41	304.90	223.72	30.17	24.85	23.63	0.04	0.07	0.17
Indigo	5	158.75	144.19	116.72	4.92	4.87	8.39	0.02	0.03	0.07
Indigo-MusesC3	5	180.65	89.82	27.60	8.23	12.07	18.97	0.01	0.05	0.45
Indigo-MusesC5	5	159.78	59.93	48.16	11.70	8.11	15.46	0.01	0.05	0.29
Indigo-MusesD	5	114.02	39.85	50.08	4.50	0.91	8.45	0.01	0.02	0.15
Indigo-MusesT	5	144.92	78.54	47.83	4.75	8.05	19.54	0.00	0.03	0.26
LEDBAT	5	277.39	210.42	188.41	16.36	16.24	8.86	0.04	0.10	0.06
Muses_DecisionTree	5	96.19	74.69	9.72	11.90	11.92	4.36	0.01	0.04	0.05
Muses_DecisionTreeH0	5	13.07	36.18	32.43	0.95	4.51	8.18	0.00	0.02	0.04
Muses_DecisionTreeR0	5	91.62	84.64	12.86	8.18	15.82	8.47	0.00	0.03	0.11
PCC-Allegro	5	393.98	205.27	96.44	24.12	36.71	9.34	0.77	0.04	0.12
PCC-Expr	5	190.69	119.08	72.16	15.44	15.38	15.80	0.03	0.05	0.20
QUIC Cubic	5	75.94	66.41	54.21	8.01	15.71	15.47	0.03	0.10	0.18
SCReAM	5	0.22	0.22	0.22	8.30	11.77	15.66	0.05	0.08	0.35
Sprout	5	45.18	39.96	34.68	4.56	8.27	12.12	0.02	0.06	0.12
TaoVA-100x	5	146.99	84.04	69.08	11.92	4.47	8.23	0.02	0.02	0.09
TCP Vegas	5	340.07	342.05	270.08	15.86	12.34	12.35	0.05	0.05	0.13
Verus	5	196.67	169.37	122.86	11.06	17.38	13.68	0.01	0.02	0.28
PCC-Vivace	5	218.24	114.10	93.64	11.69	8.55	15.65	0.02	0.04	0.22
WebRTC media	5	0.05	0.05	0.05	4.63	8.32	8.45	0.02	0.01	0.00

Run 1: Statistics of TCP BBR

Start at: 2019-09-18 23:11:40

End at: 2019-09-18 23:12:10

Local clock offset: 0.034 ms

Remote clock offset: 2.648 ms

Below is generated by plot.py at 2019-09-19 01:57:51

Datalink statistics

-- Total of 3 flows:

Average throughput: 885.79 Mbit/s

95th percentile per-packet one-way delay: 40.199 ms

Loss rate: 0.23%

-- Flow 1:

Average throughput: 507.22 Mbit/s

95th percentile per-packet one-way delay: 42.587 ms

Loss rate: 0.36%

-- Flow 2:

Average throughput: 403.30 Mbit/s

95th percentile per-packet one-way delay: 7.450 ms

Loss rate: 0.03%

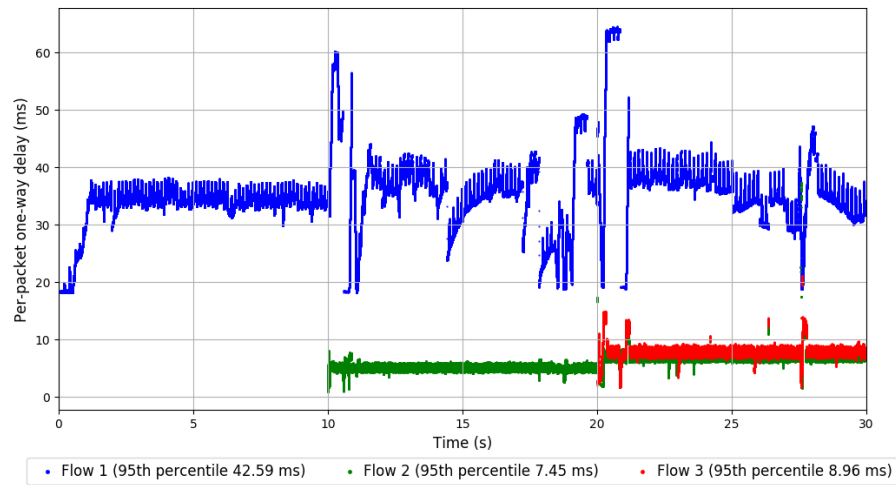
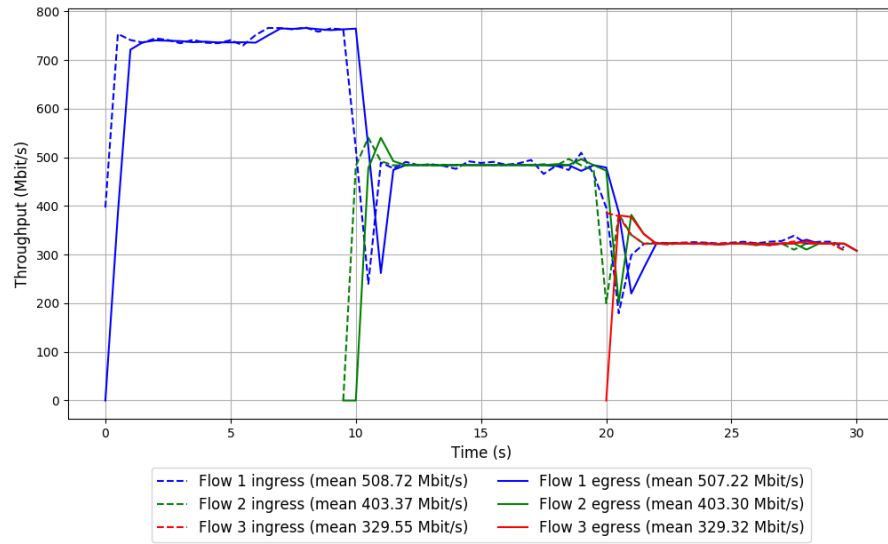
-- Flow 3:

Average throughput: 329.32 Mbit/s

95th percentile per-packet one-way delay: 8.965 ms

Loss rate: 0.09%

Run 1: Report of TCP BBR — Data Link



Run 2: Statistics of TCP BBR

Start at: 2019-09-18 23:46:49

End at: 2019-09-18 23:47:19

Local clock offset: -0.137 ms

Remote clock offset: 3.939 ms

Below is generated by plot.py at 2019-09-19 01:57:56

Datalink statistics

-- Total of 3 flows:

Average throughput: 891.95 Mbit/s

95th percentile per-packet one-way delay: 37.864 ms

Loss rate: 0.15%

-- Flow 1:

Average throughput: 517.53 Mbit/s

95th percentile per-packet one-way delay: 6.778 ms

Loss rate: 0.02%

-- Flow 2:

Average throughput: 401.26 Mbit/s

95th percentile per-packet one-way delay: 5.665 ms

Loss rate: 0.03%

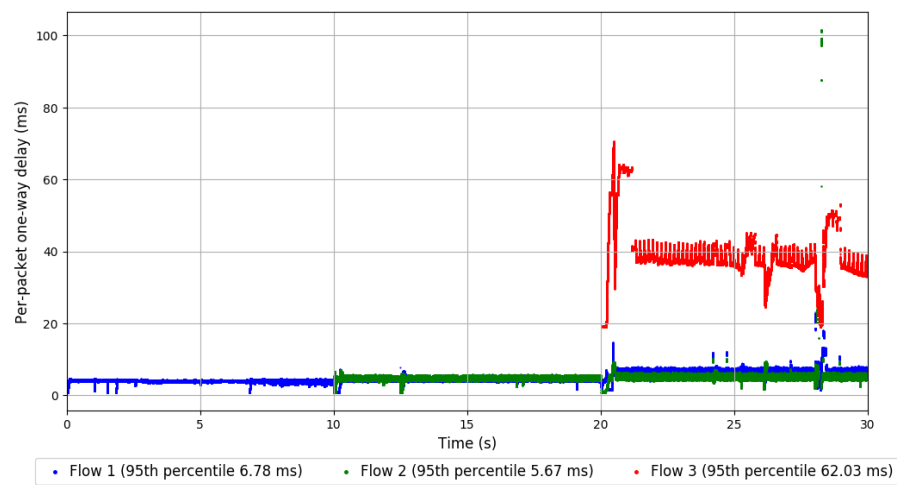
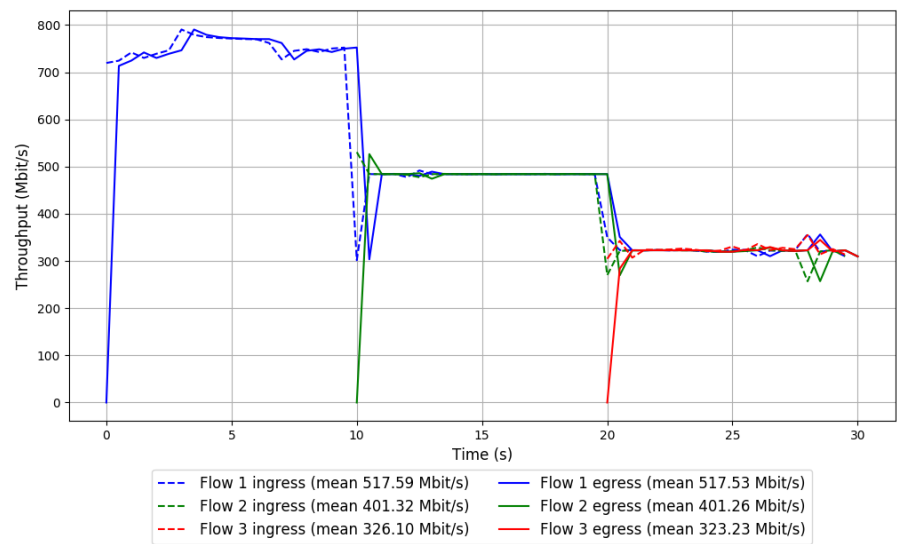
-- Flow 3:

Average throughput: 323.23 Mbit/s

95th percentile per-packet one-way delay: 62.035 ms

Loss rate: 1.09%

Run 2: Report of TCP BBR — Data Link



Run 3: Statistics of TCP BBR

Start at: 2019-09-19 00:21:54

End at: 2019-09-19 00:22:24

Local clock offset: 3.229 ms

Remote clock offset: 3.241 ms

Below is generated by plot.py at 2019-09-19 01:57:56

Datalink statistics

-- Total of 3 flows:

Average throughput: 840.79 Mbit/s

95th percentile per-packet one-way delay: 45.808 ms

Loss rate: 0.58%

-- Flow 1:

Average throughput: 467.38 Mbit/s

95th percentile per-packet one-way delay: 42.952 ms

Loss rate: 0.43%

-- Flow 2:

Average throughput: 399.52 Mbit/s

95th percentile per-packet one-way delay: 46.456 ms

Loss rate: 0.65%

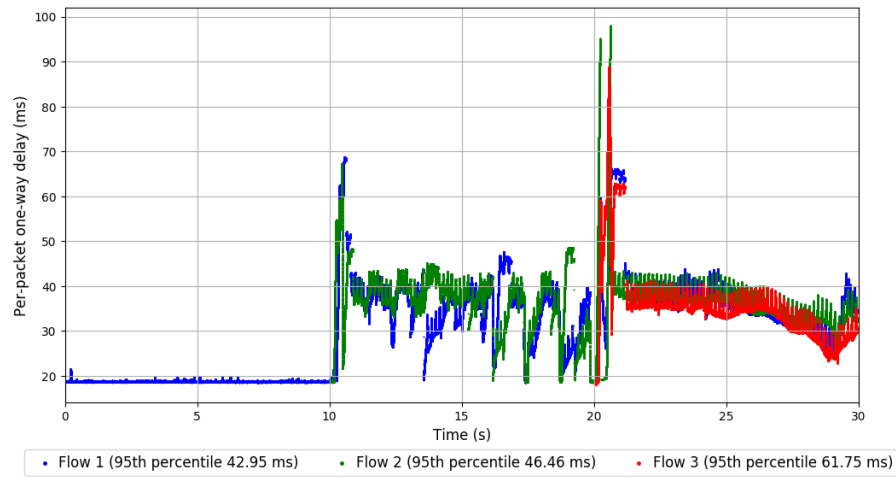
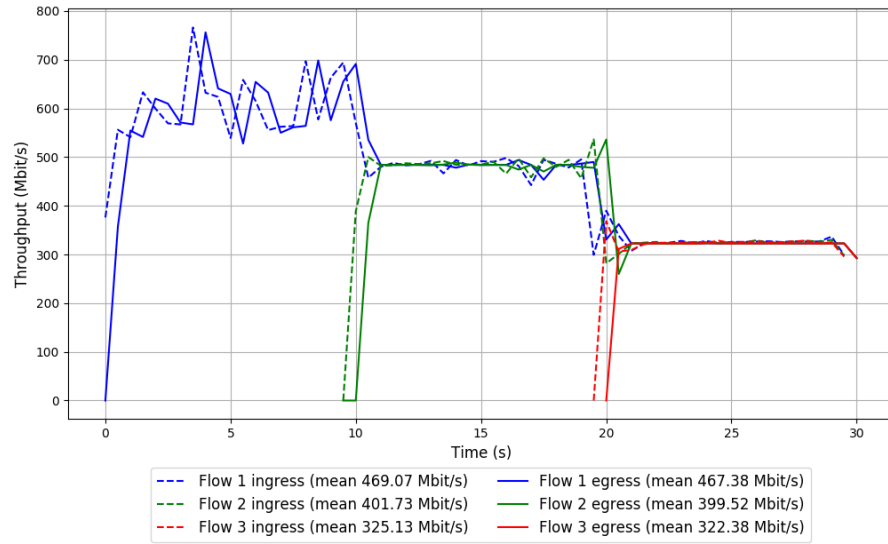
-- Flow 3:

Average throughput: 322.38 Mbit/s

95th percentile per-packet one-way delay: 61.751 ms

Loss rate: 1.05%

Run 3: Report of TCP BBR — Data Link



Run 4: Statistics of TCP BBR

Start at: 2019-09-19 00:57:19

End at: 2019-09-19 00:57:49

Local clock offset: -4.308 ms

Remote clock offset: 2.935 ms

Below is generated by plot.py at 2019-09-19 01:57:56

Datalink statistics

-- Total of 3 flows:

Average throughput: 869.10 Mbit/s

95th percentile per-packet one-way delay: 41.803 ms

Loss rate: 0.49%

-- Flow 1:

Average throughput: 493.13 Mbit/s

95th percentile per-packet one-way delay: 41.602 ms

Loss rate: 0.37%

-- Flow 2:

Average throughput: 399.45 Mbit/s

95th percentile per-packet one-way delay: 56.883 ms

Loss rate: 0.89%

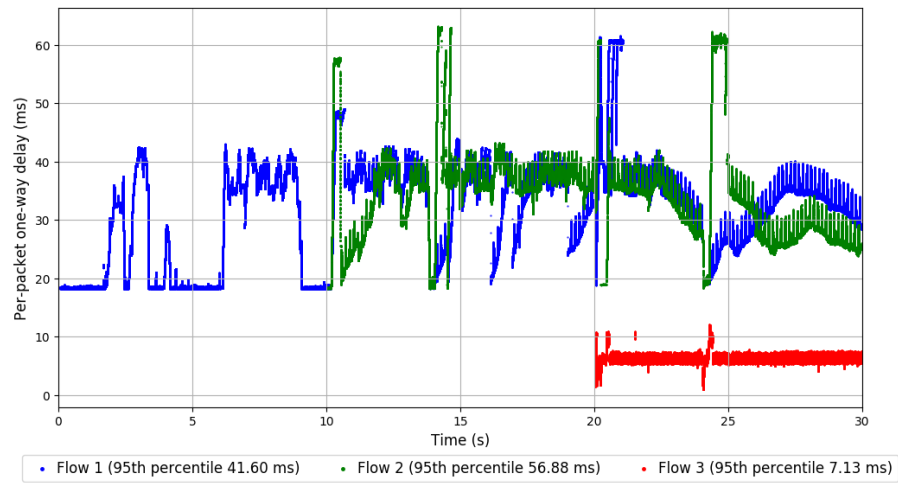
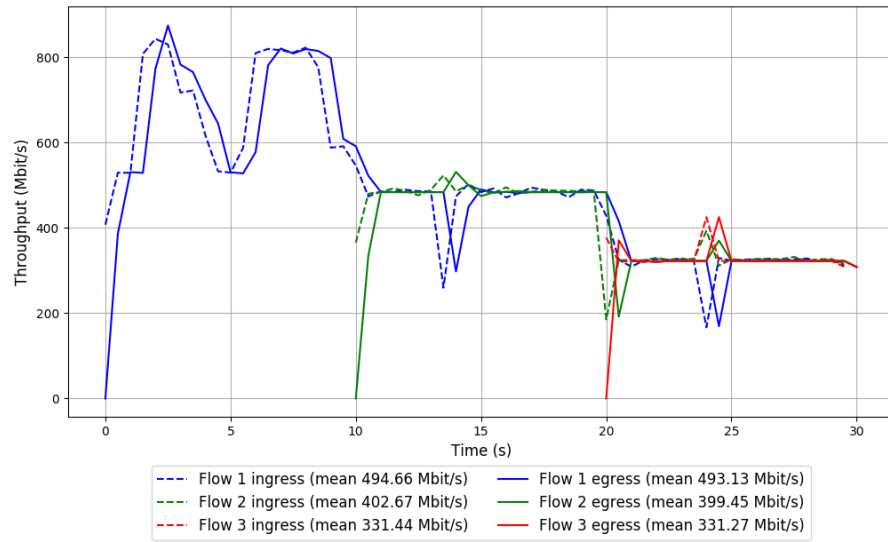
-- Flow 3:

Average throughput: 331.27 Mbit/s

95th percentile per-packet one-way delay: 7.128 ms

Loss rate: 0.07%

Run 4: Report of TCP BBR — Data Link

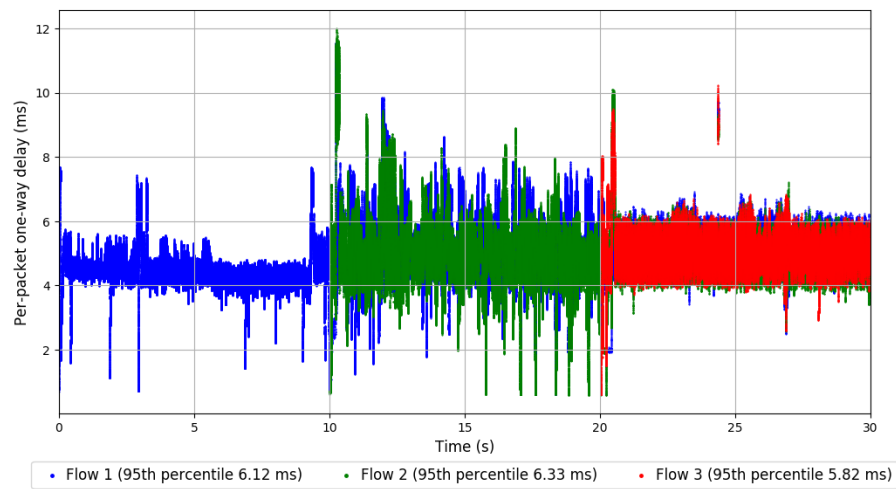
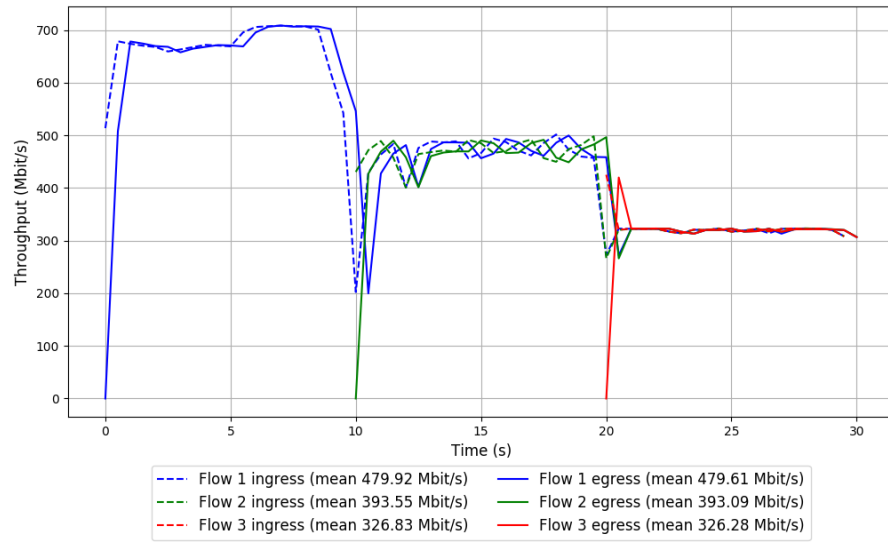


Run 5: Statistics of TCP BBR

Start at: 2019-09-19 01:32:46
End at: 2019-09-19 01:33:16
Local clock offset: 0.869 ms
Remote clock offset: -0.435 ms

Below is generated by plot.py at 2019-09-19 01:57:56
Datalink statistics
-- Total of 3 flows:
Average throughput: 849.62 Mbit/s
95th percentile per-packet one-way delay: 6.161 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 479.61 Mbit/s
95th percentile per-packet one-way delay: 6.118 ms
Loss rate: 0.07%
-- Flow 2:
Average throughput: 393.09 Mbit/s
95th percentile per-packet one-way delay: 6.325 ms
Loss rate: 0.13%
-- Flow 3:
Average throughput: 326.28 Mbit/s
95th percentile per-packet one-way delay: 5.820 ms
Loss rate: 0.18%

Run 5: Report of TCP BBR — Data Link

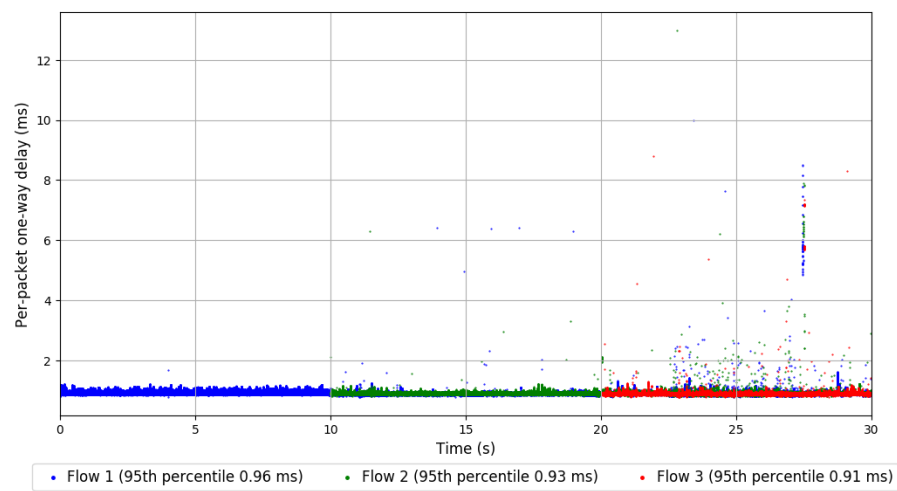
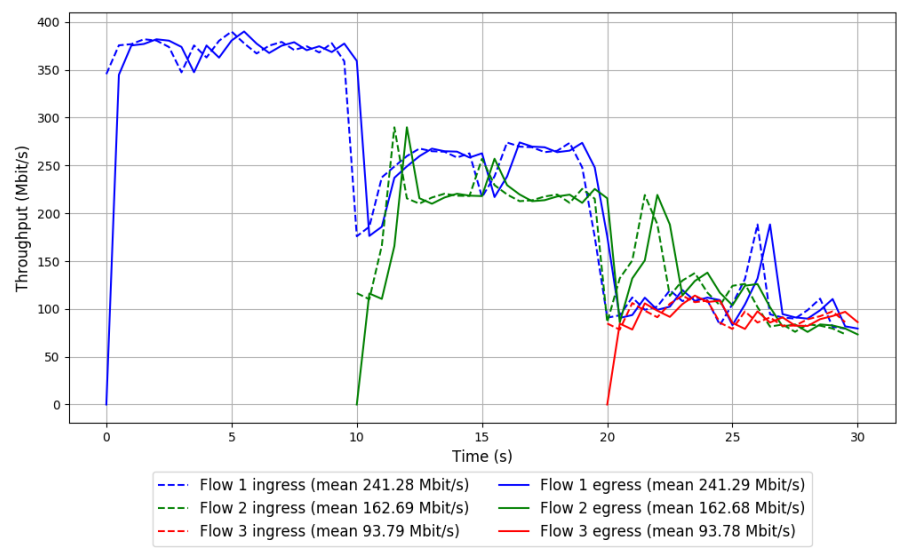


Run 1: Statistics of Copa

Start at: 2019-09-18 22:56:18
End at: 2019-09-18 22:56:48
Local clock offset: 0.186 ms
Remote clock offset: -0.133 ms

Below is generated by plot.py at 2019-09-19 01:57:56
Datalink statistics
-- Total of 3 flows:
Average throughput: 380.66 Mbit/s
95th percentile per-packet one-way delay: 0.946 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 241.29 Mbit/s
95th percentile per-packet one-way delay: 0.959 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 162.68 Mbit/s
95th percentile per-packet one-way delay: 0.926 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 93.78 Mbit/s
95th percentile per-packet one-way delay: 0.911 ms
Loss rate: 0.03%

Run 1: Report of Copa — Data Link



Run 2: Statistics of Copa

Start at: 2019-09-18 23:31:24

End at: 2019-09-18 23:31:54

Local clock offset: -0.028 ms

Remote clock offset: 5.143 ms

Below is generated by plot.py at 2019-09-19 01:57:56

Datalink statistics

-- Total of 3 flows:

Average throughput: 399.58 Mbit/s

95th percentile per-packet one-way delay: 18.990 ms

Loss rate: 0.03%

-- Flow 1:

Average throughput: 244.21 Mbit/s

95th percentile per-packet one-way delay: 0.932 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 177.21 Mbit/s

95th percentile per-packet one-way delay: 19.060 ms

Loss rate: 0.09%

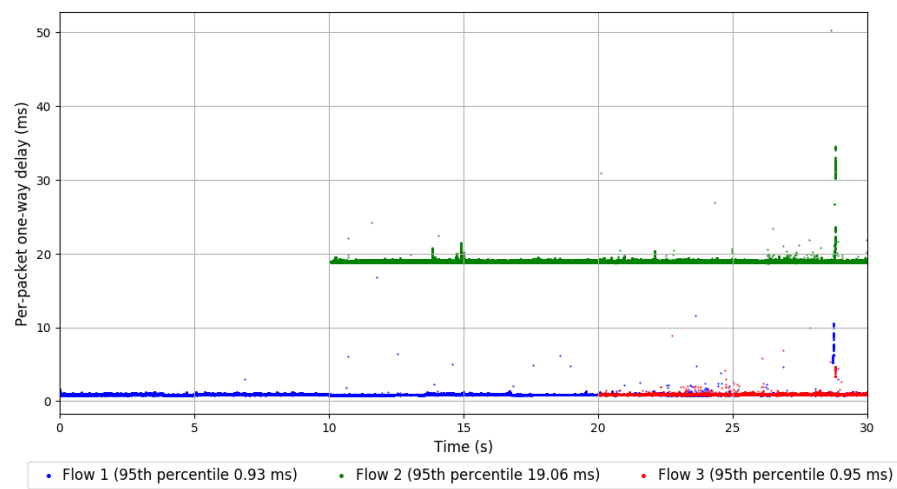
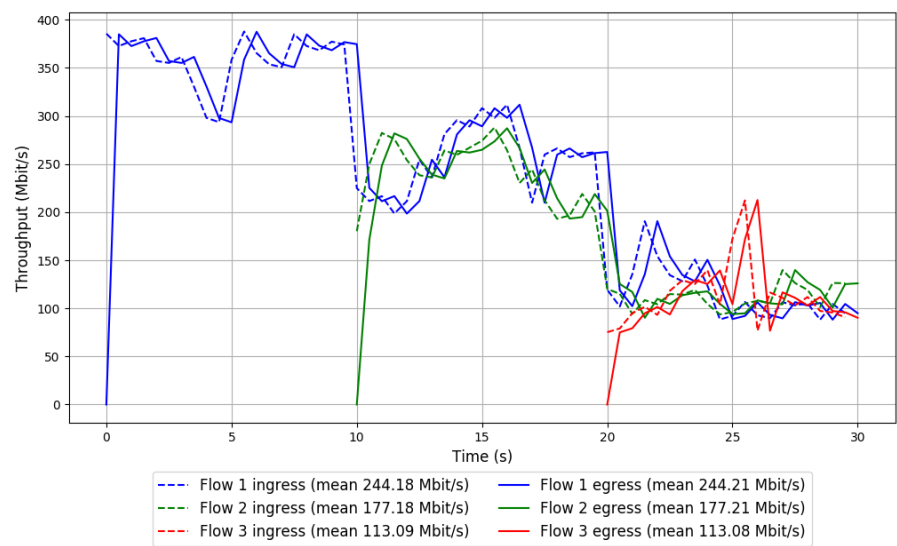
-- Flow 3:

Average throughput: 113.08 Mbit/s

95th percentile per-packet one-way delay: 0.955 ms

Loss rate: 0.02%

Run 2: Report of Copa — Data Link



Run 3: Statistics of Copa

Start at: 2019-09-19 00:06:35

End at: 2019-09-19 00:07:05

Local clock offset: 1.446 ms

Remote clock offset: 4.062 ms

Below is generated by plot.py at 2019-09-19 01:57:56

Datalink statistics

-- Total of 3 flows:

Average throughput: 396.89 Mbit/s

95th percentile per-packet one-way delay: 19.698 ms

Loss rate: 0.04%

-- Flow 1:

Average throughput: 253.32 Mbit/s

95th percentile per-packet one-way delay: 0.699 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 163.93 Mbit/s

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

Loss rate: 0.06%

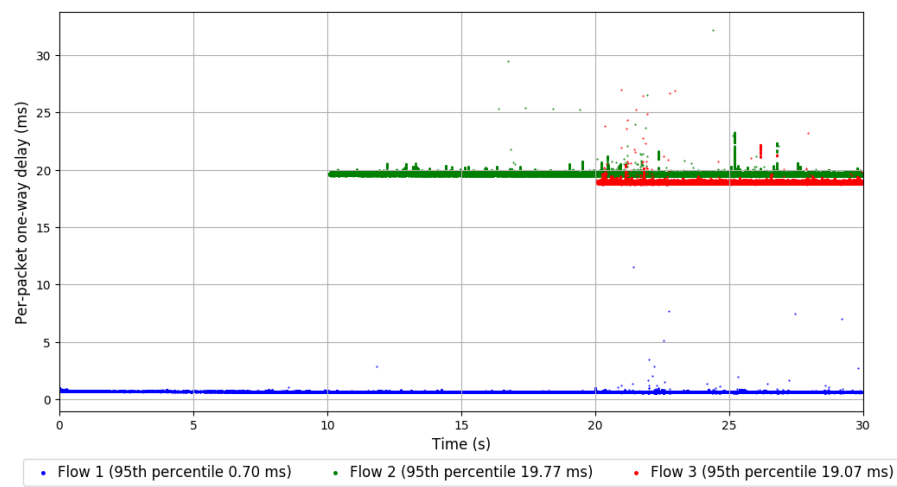
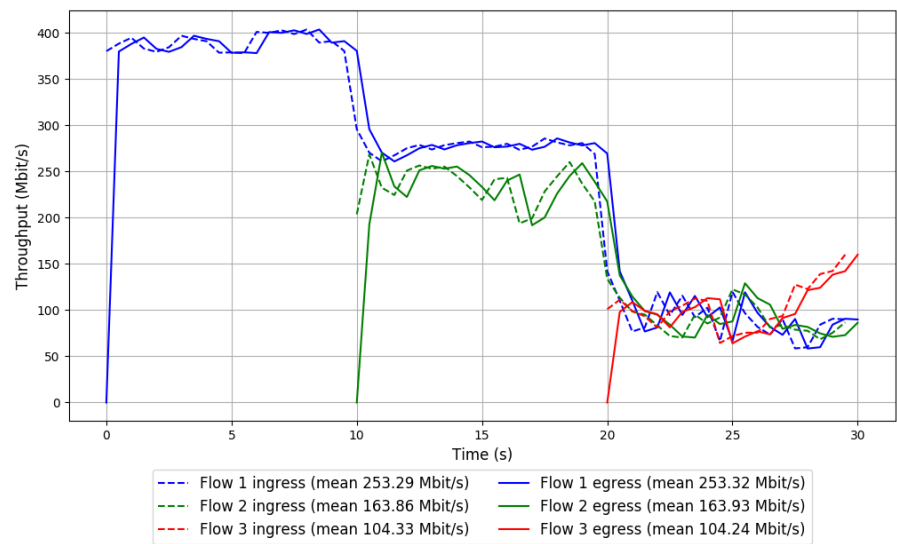
-- Flow 3:

Average throughput: 104.24 Mbit/s

95th percentile per-packet one-way delay: 19.072 ms

Loss rate: 0.29%

Run 3: Report of Copa — Data Link



Run 4: Statistics of Copa

Start at: 2019-09-19 00:41:59

End at: 2019-09-19 00:42:29

Local clock offset: -1.858 ms

Remote clock offset: 3.307 ms

Below is generated by plot.py at 2019-09-19 02:04:54

Datalink statistics

-- Total of 3 flows:

Average throughput: 406.69 Mbit/s

95th percentile per-packet one-way delay: 1.416 ms

Loss rate: 0.01%

-- Flow 1:

Average throughput: 236.20 Mbit/s

95th percentile per-packet one-way delay: 1.435 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 198.54 Mbit/s

95th percentile per-packet one-way delay: 1.435 ms

Loss rate: 0.01%

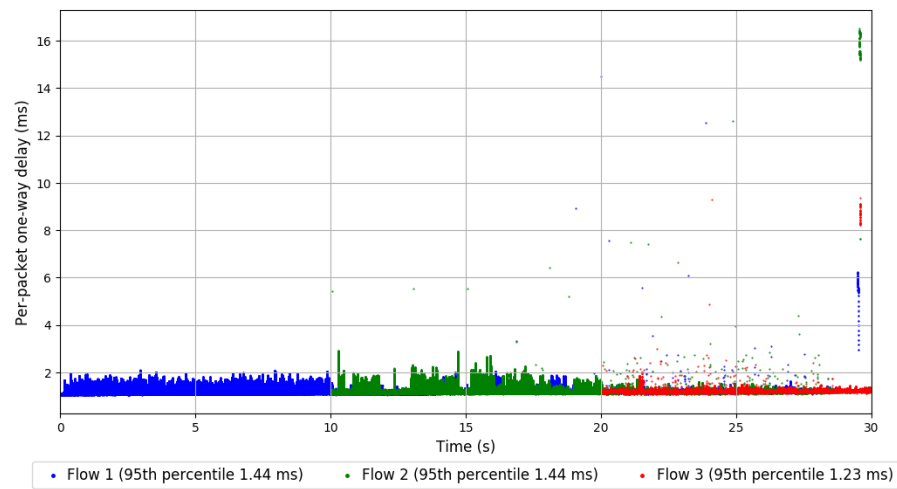
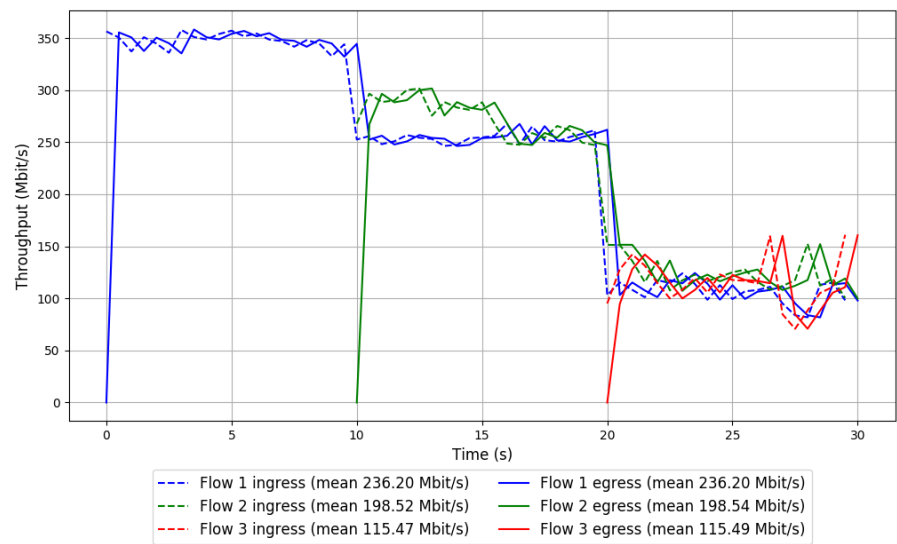
-- Flow 3:

Average throughput: 115.49 Mbit/s

95th percentile per-packet one-way delay: 1.234 ms

Loss rate: 0.02%

Run 4: Report of Copa — Data Link



Run 5: Statistics of Copa

Start at: 2019-09-19 01:17:16

End at: 2019-09-19 01:17:46

Local clock offset: -0.459 ms

Remote clock offset: 3.058 ms

Below is generated by plot.py at 2019-09-19 02:04:54

Datalink statistics

-- Total of 3 flows:

Average throughput: 354.72 Mbit/s

95th percentile per-packet one-way delay: 19.272 ms

Loss rate: 0.05%

-- Flow 1:

Average throughput: 207.43 Mbit/s

95th percentile per-packet one-way delay: 19.280 ms

Loss rate: 0.05%

-- Flow 2:

Average throughput: 172.83 Mbit/s

95th percentile per-packet one-way delay: 0.882 ms

Loss rate: 0.01%

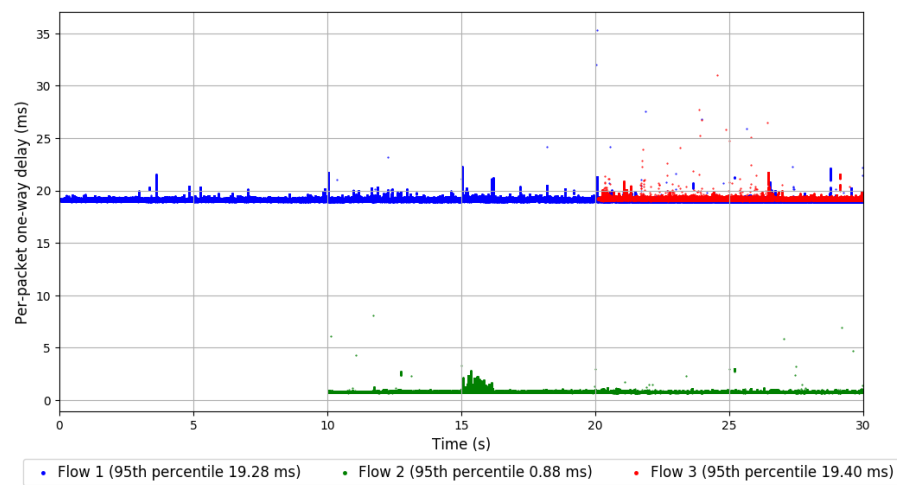
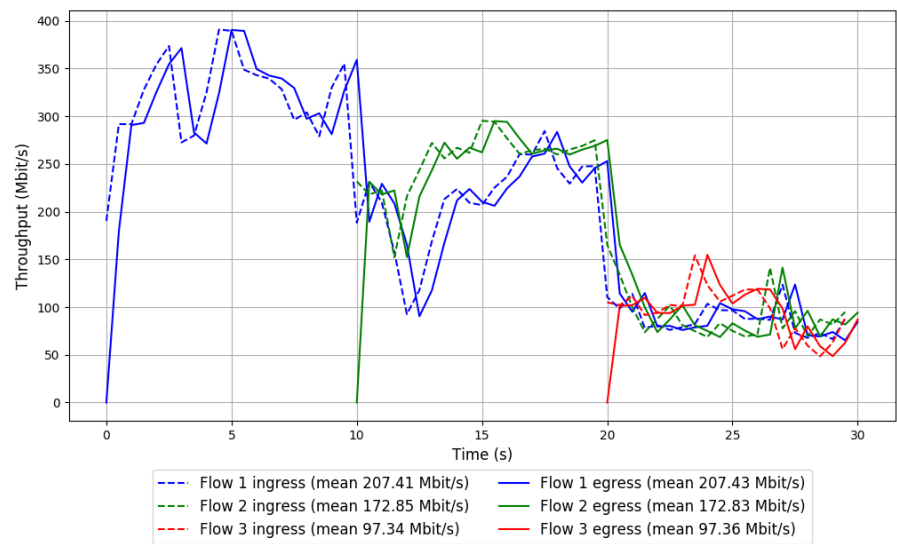
-- Flow 3:

Average throughput: 97.36 Mbit/s

95th percentile per-packet one-way delay: 19.398 ms

Loss rate: 0.18%

Run 5: Report of Copa — Data Link



Run 1: Statistics of TCP Cubic

Start at: 2019-09-18 23:14:56

End at: 2019-09-18 23:15:26

Local clock offset: 0.029 ms

Remote clock offset: 3.184 ms

Below is generated by plot.py at 2019-09-19 02:05:33

Datalink statistics

-- Total of 3 flows:

Average throughput: 832.99 Mbit/s

95th percentile per-packet one-way delay: 23.501 ms

Loss rate: 0.05%

-- Flow 1:

Average throughput: 445.76 Mbit/s

95th percentile per-packet one-way delay: 24.425 ms

Loss rate: 0.05%

-- Flow 2:

Average throughput: 413.16 Mbit/s

95th percentile per-packet one-way delay: 7.511 ms

Loss rate: 0.03%

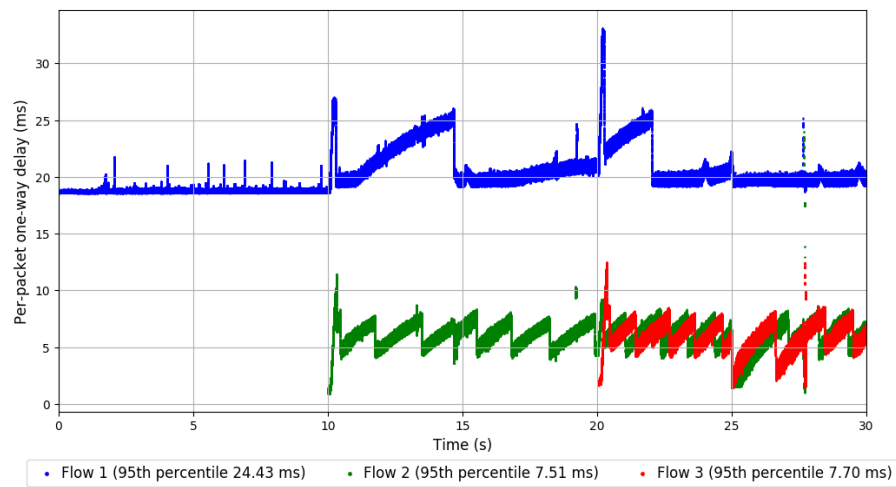
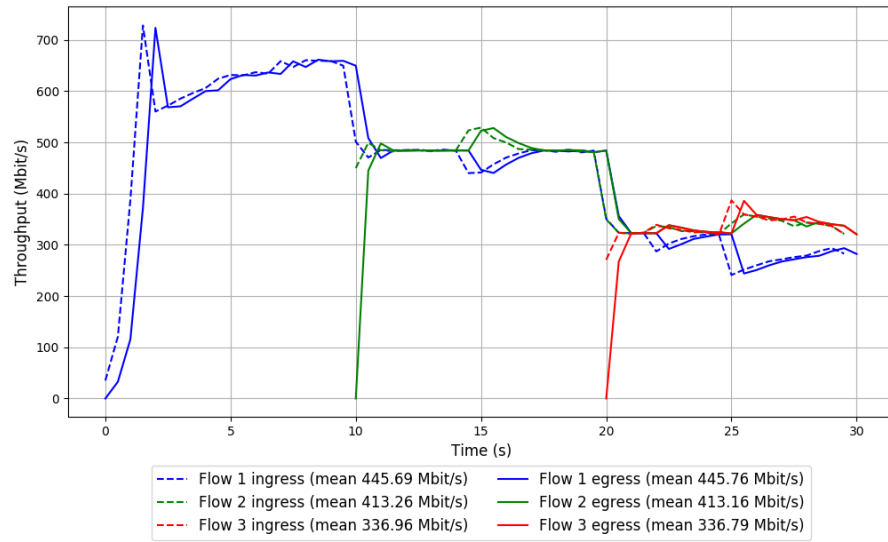
-- Flow 3:

Average throughput: 336.79 Mbit/s

95th percentile per-packet one-way delay: 7.695 ms

Loss rate: 0.08%

Run 1: Report of TCP Cubic — Data Link



Run 2: Statistics of TCP Cubic

Start at: 2019-09-18 23:50:03

End at: 2019-09-18 23:50:33

Local clock offset: -0.164 ms

Remote clock offset: 3.771 ms

Below is generated by plot.py at 2019-09-19 02:06:49

Datalink statistics

-- Total of 3 flows:

Average throughput: 872.45 Mbit/s

95th percentile per-packet one-way delay: 20.982 ms

Loss rate: 0.03%

-- Flow 1:

Average throughput: 515.22 Mbit/s

95th percentile per-packet one-way delay: 14.012 ms

Loss rate: 0.02%

-- Flow 2:

Average throughput: 425.38 Mbit/s

95th percentile per-packet one-way delay: 7.619 ms

Loss rate: 0.02%

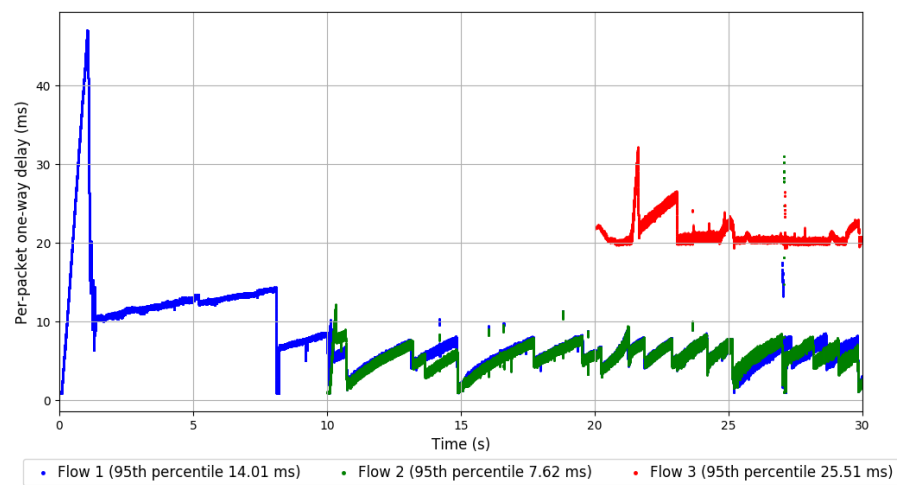
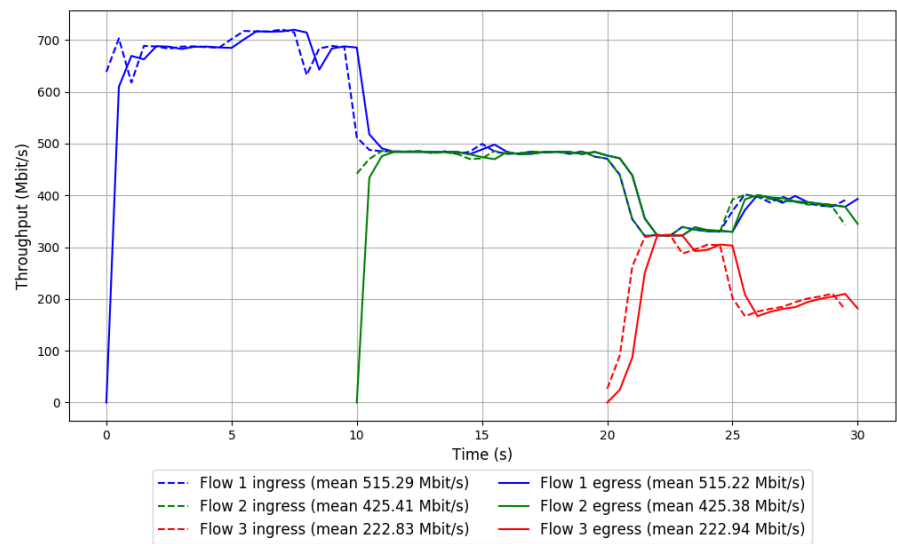
-- Flow 3:

Average throughput: 222.94 Mbit/s

95th percentile per-packet one-way delay: 25.509 ms

Loss rate: 0.15%

Run 2: Report of TCP Cubic — Data Link



Run 3: Statistics of TCP Cubic

Start at: 2019-09-19 00:25:14

End at: 2019-09-19 00:25:44

Local clock offset: 3.399 ms

Remote clock offset: 3.254 ms

Below is generated by plot.py at 2019-09-19 02:06:49

Datalink statistics

-- Total of 3 flows:

Average throughput: 841.08 Mbit/s

95th percentile per-packet one-way delay: 22.906 ms

Loss rate: 0.04%

-- Flow 1:

Average throughput: 490.22 Mbit/s

95th percentile per-packet one-way delay: 22.003 ms

Loss rate: 0.03%

-- Flow 2:

Average throughput: 266.06 Mbit/s

95th percentile per-packet one-way delay: 24.961 ms

Loss rate: 0.05%

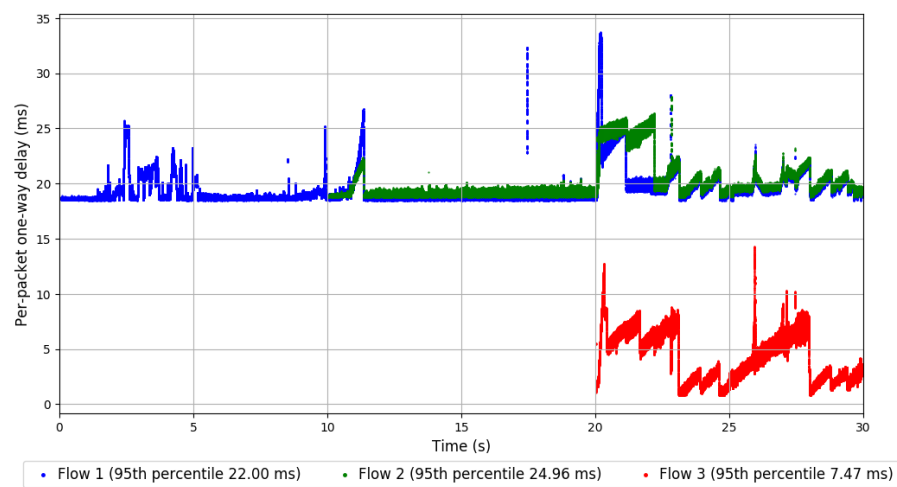
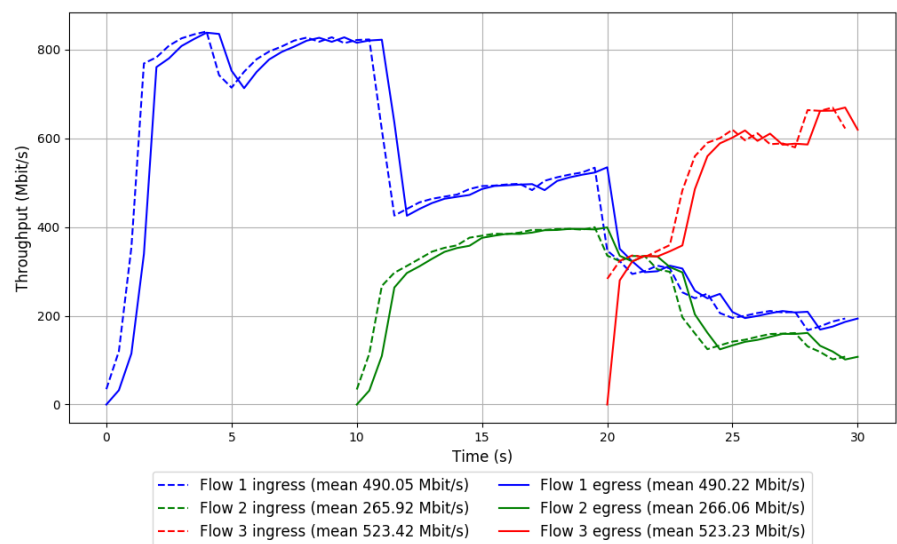
-- Flow 3:

Average throughput: 523.23 Mbit/s

95th percentile per-packet one-way delay: 7.471 ms

Loss rate: 0.06%

Run 3: Report of TCP Cubic — Data Link



Run 4: Statistics of TCP Cubic

Start at: 2019-09-19 01:00:37

End at: 2019-09-19 01:01:07

Local clock offset: -4.542 ms

Remote clock offset: 2.998 ms

Below is generated by plot.py at 2019-09-19 02:07:36

Datalink statistics

-- Total of 3 flows:

Average throughput: 878.12 Mbit/s

95th percentile per-packet one-way delay: 24.882 ms

Loss rate: 0.09%

-- Flow 1:

Average throughput: 515.57 Mbit/s

95th percentile per-packet one-way delay: 24.653 ms

Loss rate: 0.05%

-- Flow 2:

Average throughput: 391.83 Mbit/s

95th percentile per-packet one-way delay: 25.256 ms

Loss rate: 0.10%

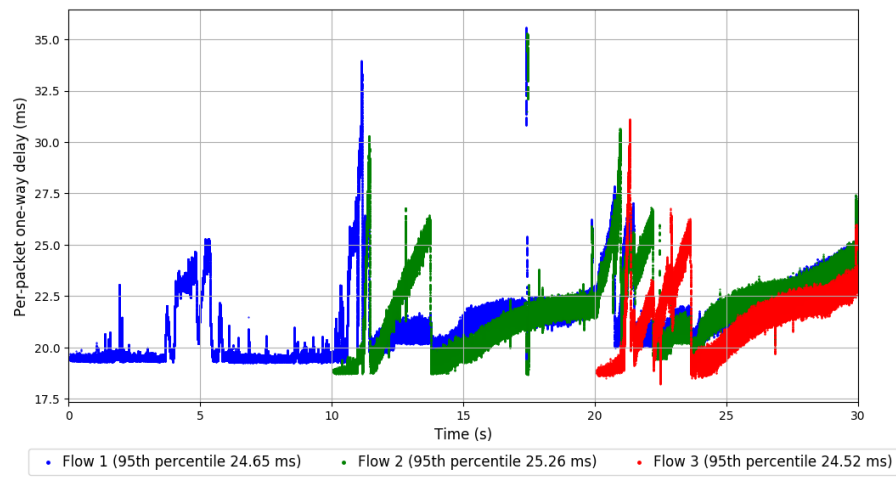
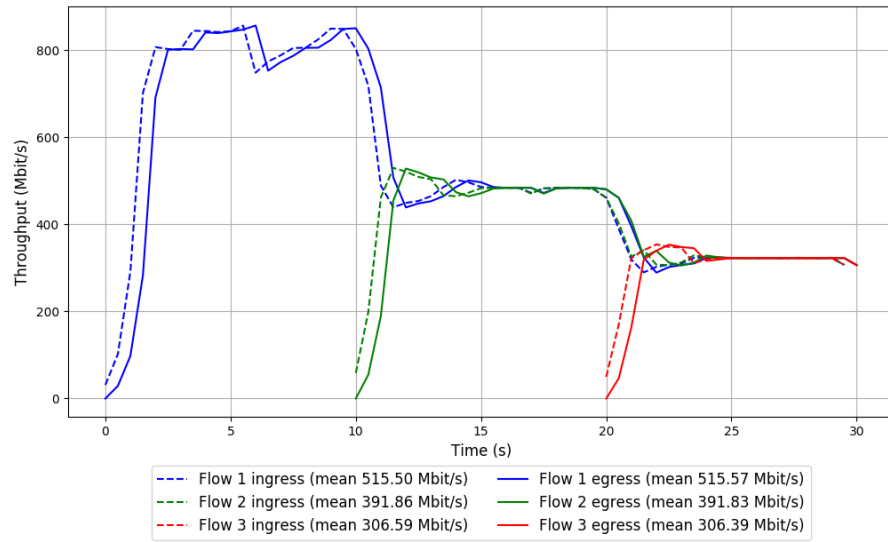
-- Flow 3:

Average throughput: 306.39 Mbit/s

95th percentile per-packet one-way delay: 24.515 ms

Loss rate: 0.25%

Run 4: Report of TCP Cubic — Data Link

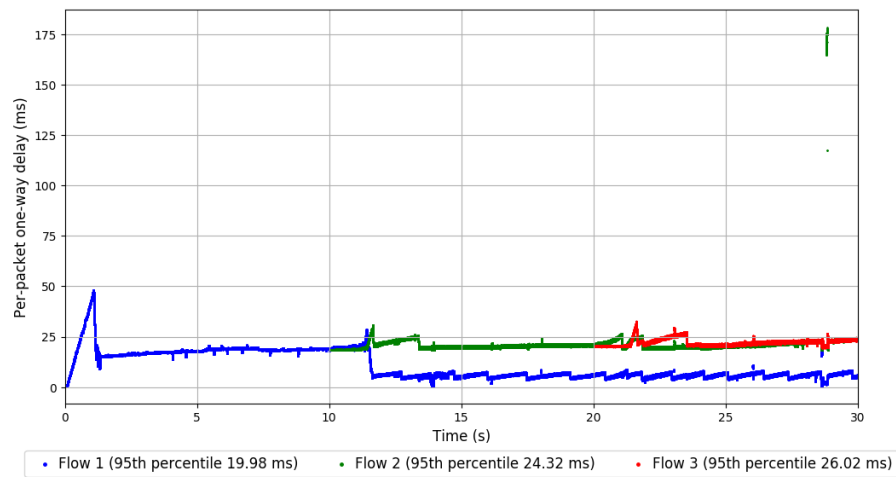
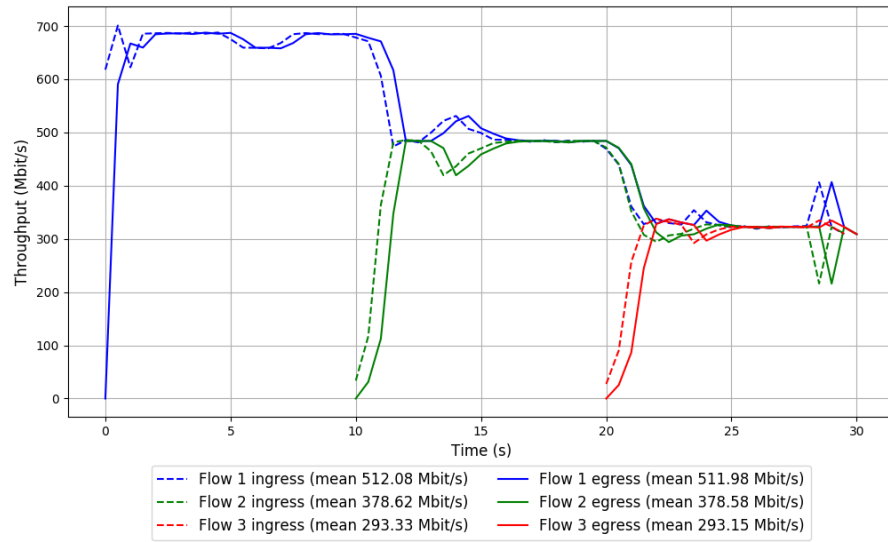


Run 5: Statistics of TCP Cubic

Start at: 2019-09-19 01:36:00
End at: 2019-09-19 01:36:30
Local clock offset: 1.666 ms
Remote clock offset: -0.835 ms

Below is generated by plot.py at 2019-09-19 02:07:42
Datalink statistics
-- Total of 3 flows:
Average throughput: 861.11 Mbit/s
95th percentile per-packet one-way delay: 24.048 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 511.98 Mbit/s
95th percentile per-packet one-way delay: 19.975 ms
Loss rate: 0.03%
-- Flow 2:
Average throughput: 378.58 Mbit/s
95th percentile per-packet one-way delay: 24.317 ms
Loss rate: 0.11%
-- Flow 3:
Average throughput: 293.15 Mbit/s
95th percentile per-packet one-way delay: 26.021 ms
Loss rate: 0.28%

Run 5: Report of TCP Cubic — Data Link



Run 1: Statistics of FillP

Start at: 2019-09-18 22:44:22

End at: 2019-09-18 22:44:52

Local clock offset: 0.944 ms

Remote clock offset: 0.207 ms

Below is generated by plot.py at 2019-09-19 02:10:35

Datalink statistics

-- Total of 3 flows:

Average throughput: 911.95 Mbit/s

95th percentile per-packet one-way delay: 41.377 ms

Loss rate: 0.08%

-- Flow 1:

Average throughput: 600.55 Mbit/s

95th percentile per-packet one-way delay: 43.657 ms

Loss rate: 0.10%

-- Flow 2:

Average throughput: 417.66 Mbit/s

95th percentile per-packet one-way delay: 35.974 ms

Loss rate: 0.05%

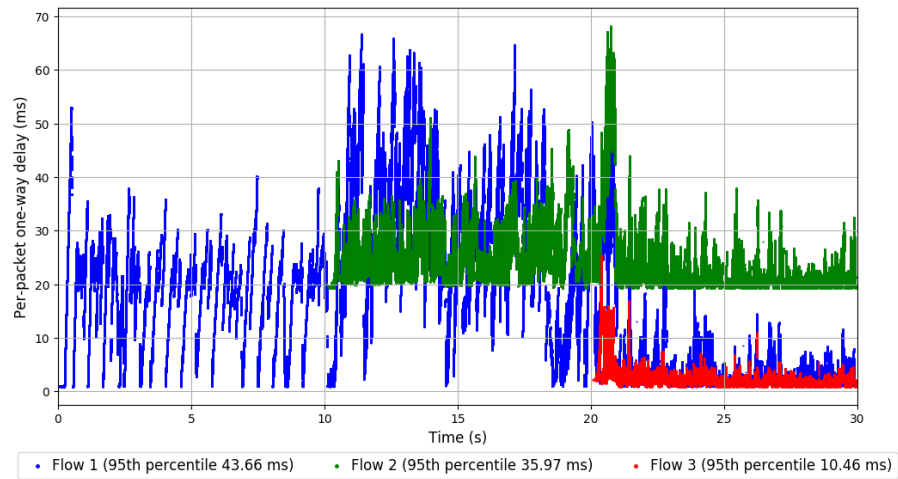
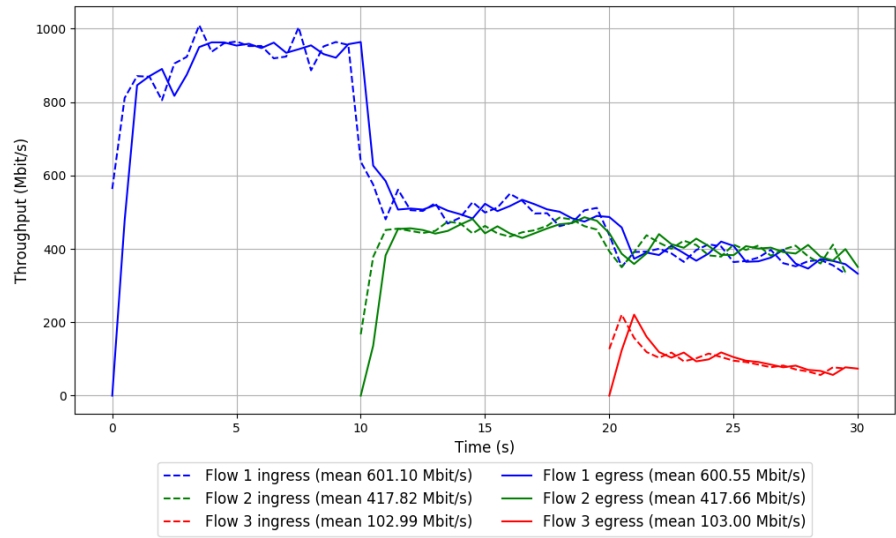
-- Flow 3:

Average throughput: 103.00 Mbit/s

95th percentile per-packet one-way delay: 10.460 ms

Loss rate: 0.00%

Run 1: Report of FillP — Data Link



Run 2: Statistics of FillP

Start at: 2019-09-18 23:19:37

End at: 2019-09-18 23:20:07

Local clock offset: 0.033 ms

Remote clock offset: 3.872 ms

Below is generated by plot.py at 2019-09-19 02:14:48

Datalink statistics

-- Total of 3 flows:

Average throughput: 791.05 Mbit/s

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

Loss rate: 0.16%

-- Flow 1:

Average throughput: 402.66 Mbit/s

95th percentile per-packet one-way delay: 24.925 ms

Loss rate: 0.10%

-- Flow 2:

Average throughput: 434.51 Mbit/s

95th percentile per-packet one-way delay: 30.887 ms

Loss rate: 0.15%

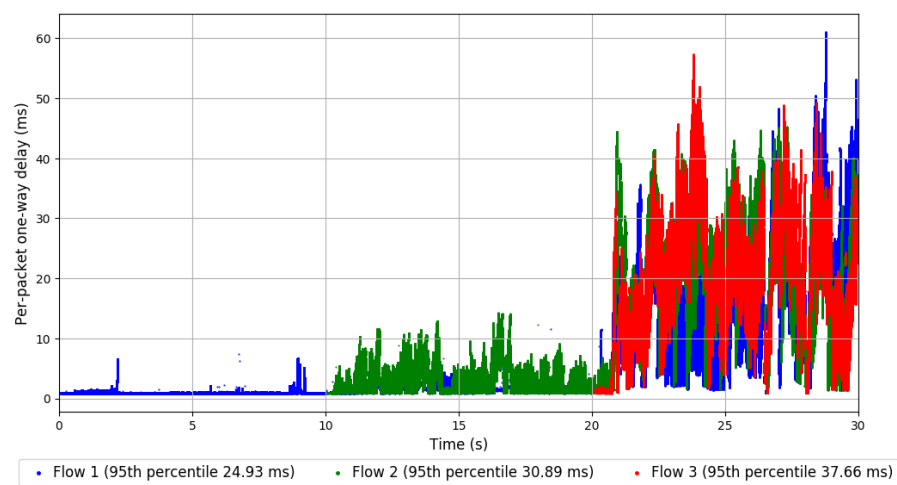
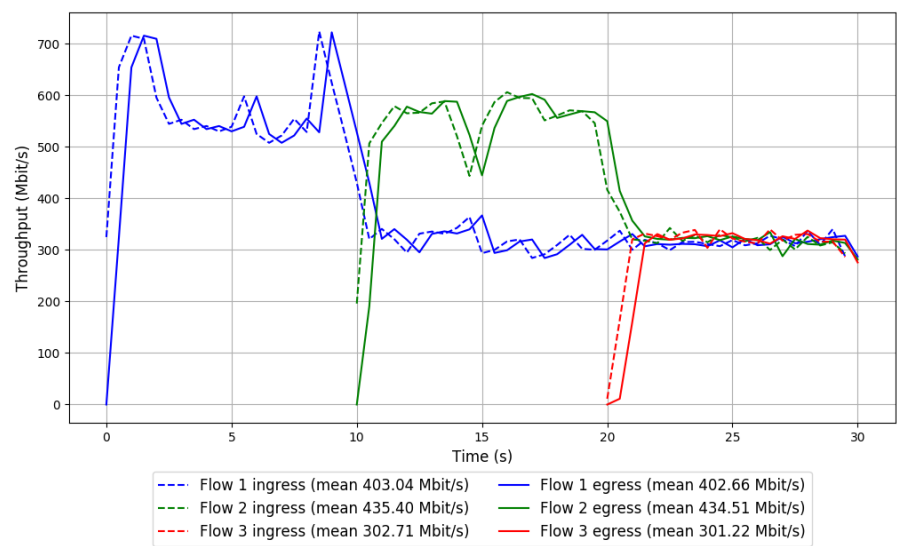
-- Flow 3:

Average throughput: 301.22 Mbit/s

95th percentile per-packet one-way delay: 37.661 ms

Loss rate: 0.43%

Run 2: Report of FillP — Data Link

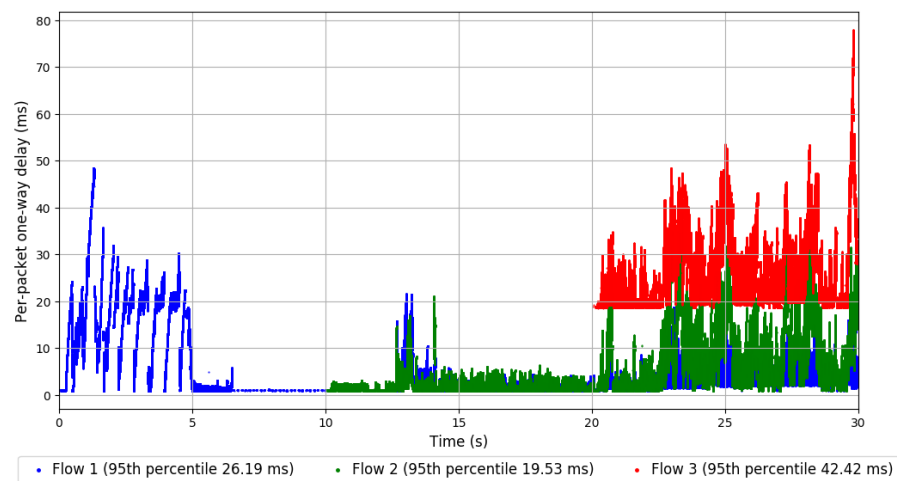
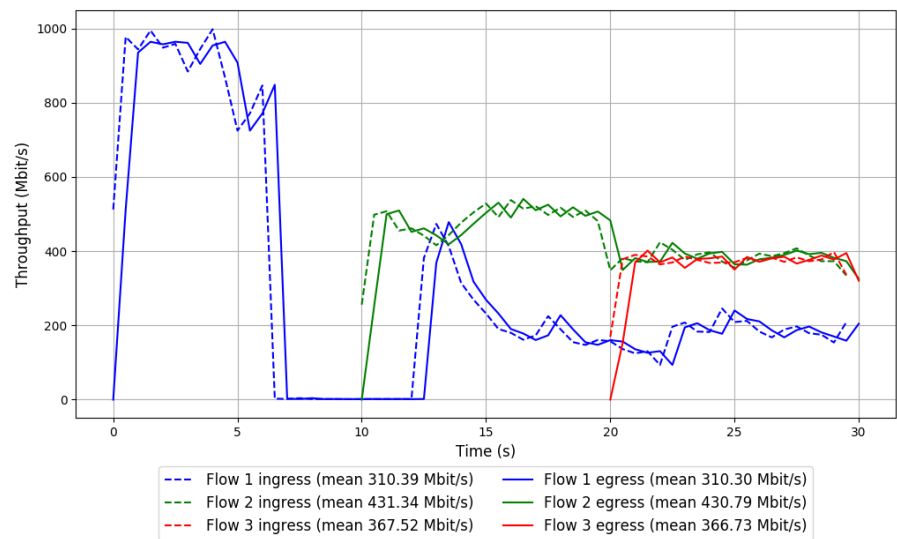


Run 3: Statistics of FillP

Start at: 2019-09-18 23:54:53
End at: 2019-09-18 23:55:23
Local clock offset: -0.259 ms
Remote clock offset: 3.745 ms

Below is generated by plot.py at 2019-09-19 02:14:48
Datalink statistics
-- Total of 3 flows:
Average throughput: 718.21 Mbit/s
95th percentile per-packet one-way delay: 31.435 ms
Loss rate: 0.11%
-- Flow 1:
Average throughput: 310.30 Mbit/s
95th percentile per-packet one-way delay: 26.193 ms
Loss rate: 0.03%
-- Flow 2:
Average throughput: 430.79 Mbit/s
95th percentile per-packet one-way delay: 19.528 ms
Loss rate: 0.06%
-- Flow 3:
Average throughput: 366.73 Mbit/s
95th percentile per-packet one-way delay: 42.424 ms
Loss rate: 0.40%

Run 3: Report of FillP — Data Link



Run 4: Statistics of FillP

Start at: 2019-09-19 00:30:01

End at: 2019-09-19 00:30:31

Local clock offset: 3.565 ms

Remote clock offset: 3.157 ms

Below is generated by plot.py at 2019-09-19 02:19:02

Datalink statistics

-- Total of 3 flows:

Average throughput: 936.57 Mbit/s

95th percentile per-packet one-way delay: 52.839 ms

Loss rate: 0.17%

-- Flow 1:

Average throughput: 573.39 Mbit/s

95th percentile per-packet one-way delay: 56.051 ms

Loss rate: 0.13%

-- Flow 2:

Average throughput: 390.99 Mbit/s

95th percentile per-packet one-way delay: 34.575 ms

Loss rate: 0.15%

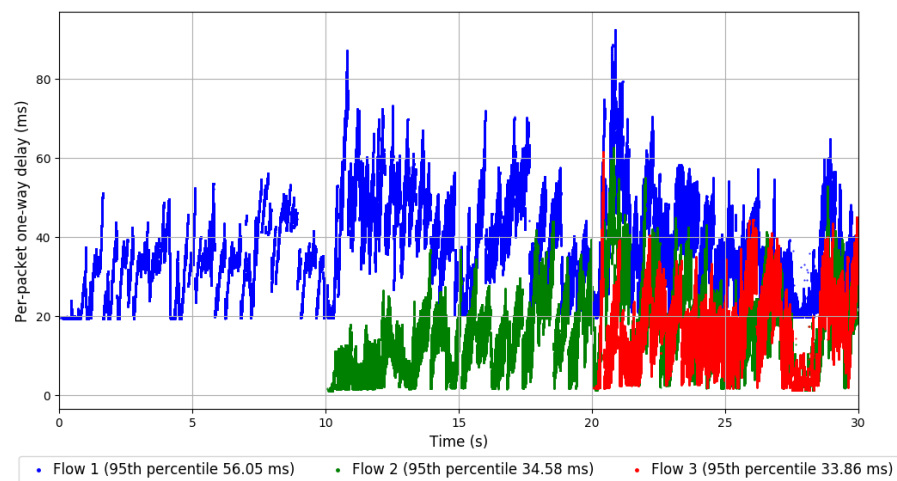
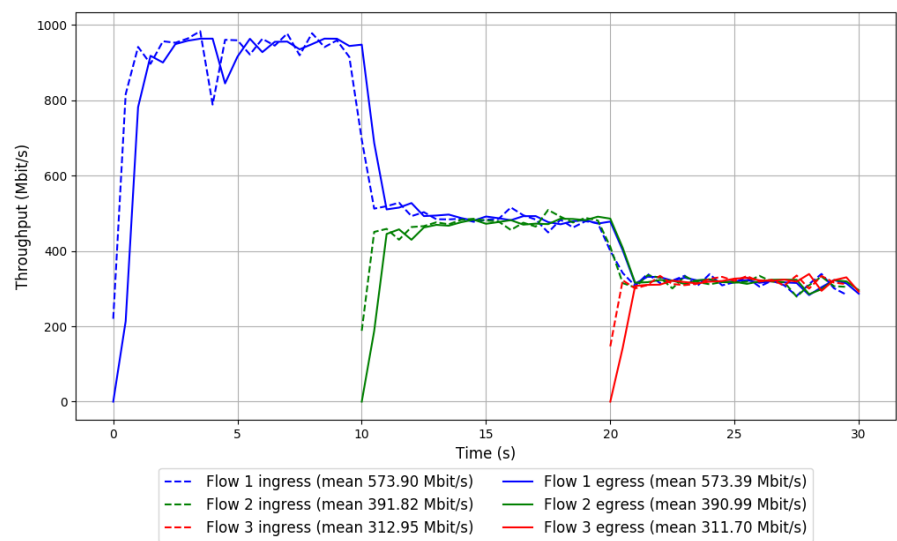
-- Flow 3:

Average throughput: 311.70 Mbit/s

95th percentile per-packet one-way delay: 33.857 ms

Loss rate: 0.43%

Run 4: Report of FillP — Data Link



Run 5: Statistics of FillP

Start at: 2019-09-19 01:05:31

End at: 2019-09-19 01:06:01

Local clock offset: -2.446 ms

Remote clock offset: 3.038 ms

Below is generated by plot.py at 2019-09-19 02:19:24

Datalink statistics

-- Total of 3 flows:

Average throughput: 899.48 Mbit/s

95th percentile per-packet one-way delay: 41.615 ms

Loss rate: 0.09%

-- Flow 1:

Average throughput: 548.49 Mbit/s

95th percentile per-packet one-way delay: 39.289 ms

Loss rate: 0.06%

-- Flow 2:

Average throughput: 380.09 Mbit/s

95th percentile per-packet one-way delay: 45.952 ms

Loss rate: 0.12%

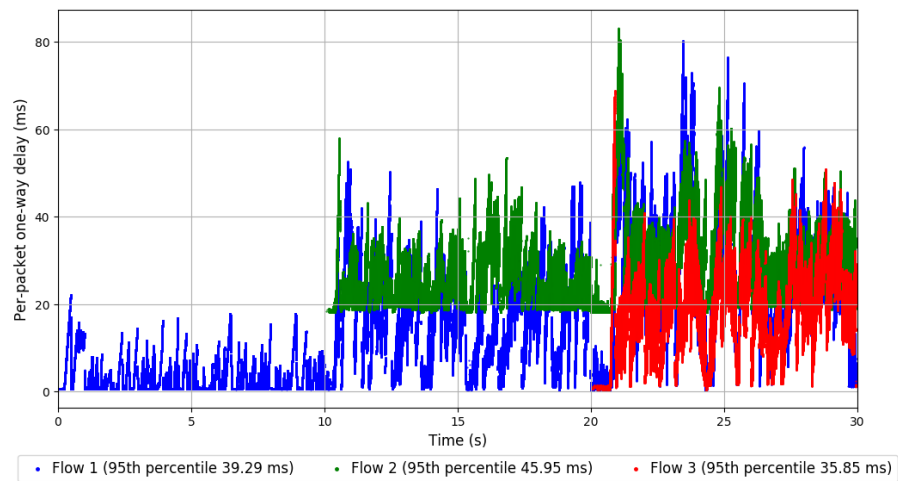
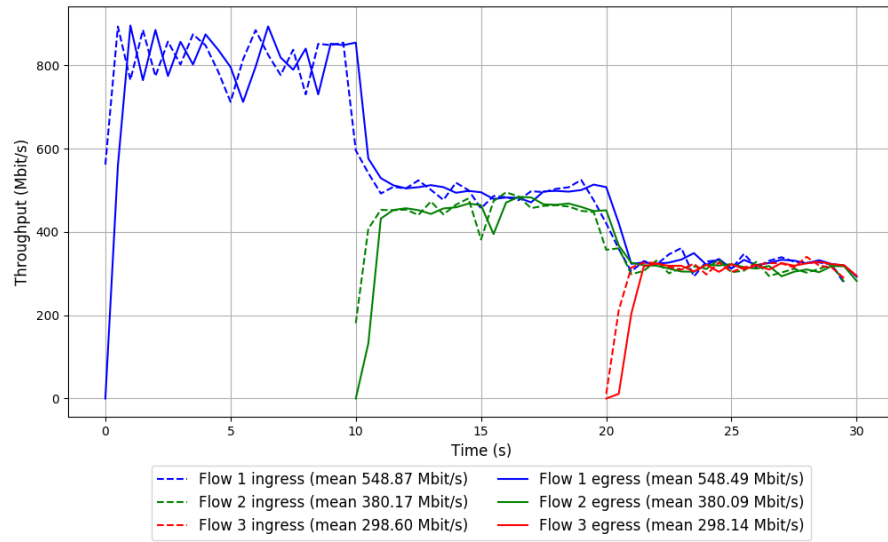
-- Flow 3:

Average throughput: 298.14 Mbit/s

95th percentile per-packet one-way delay: 35.846 ms

Loss rate: 0.18%

Run 5: Report of FillP — Data Link

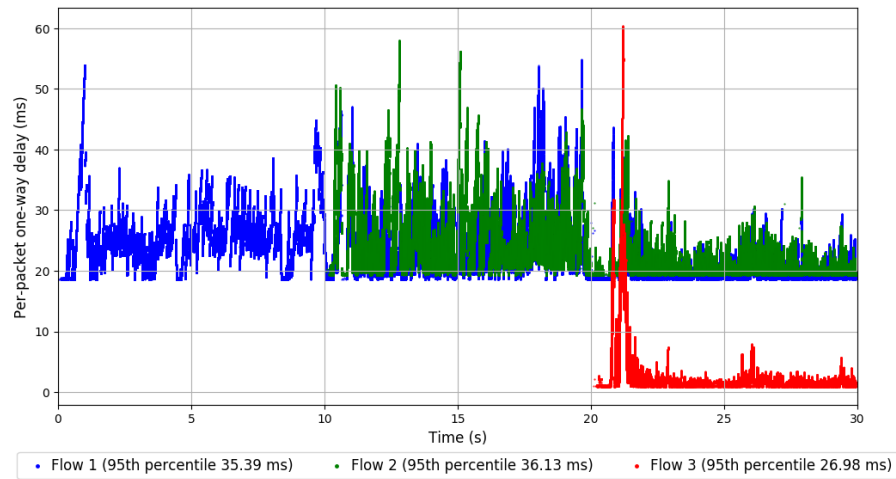
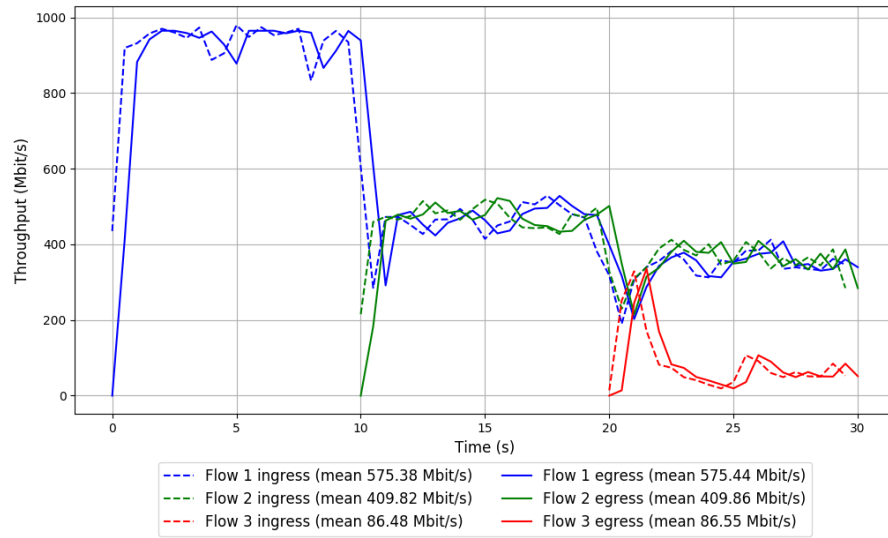


Run 1: Statistics of FillP-Sheep

Start at: 2019-09-18 22:54:38
End at: 2019-09-18 22:55:08
Local clock offset: 0.259 ms
Remote clock offset: -0.179 ms

Below is generated by plot.py at 2019-09-19 02:19:24
Datalink statistics
-- Total of 3 flows:
Average throughput: 876.04 Mbit/s
95th percentile per-packet one-way delay: 35.515 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 575.44 Mbit/s
95th percentile per-packet one-way delay: 35.391 ms
Loss rate: 0.06%
-- Flow 2:
Average throughput: 409.86 Mbit/s
95th percentile per-packet one-way delay: 36.128 ms
Loss rate: 0.14%
-- Flow 3:
Average throughput: 86.55 Mbit/s
95th percentile per-packet one-way delay: 26.984 ms
Loss rate: 0.10%

Run 1: Report of FillP-Sheep — Data Link



Run 2: Statistics of FillP-Sheep

Start at: 2019-09-18 23:29:54

End at: 2019-09-18 23:30:24

Local clock offset: -0.061 ms

Remote clock offset: 4.98 ms

Below is generated by plot.py at 2019-09-19 02:19:24

Datalink statistics

-- Total of 3 flows:

Average throughput: 532.35 Mbit/s

95th percentile per-packet one-way delay: 19.922 ms

Loss rate: 0.05%

-- Flow 1:

Average throughput: 330.36 Mbit/s

95th percentile per-packet one-way delay: 7.461 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 148.71 Mbit/s

95th percentile per-packet one-way delay: 3.381 ms

Loss rate: 0.00%

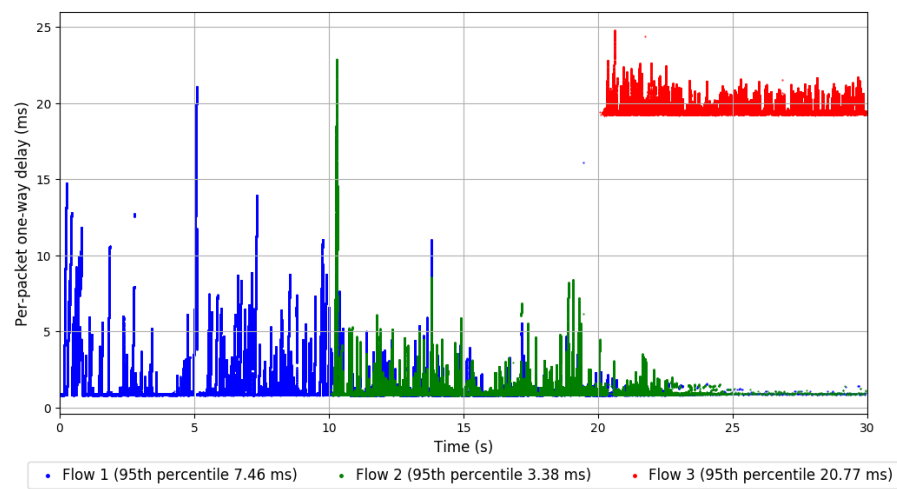
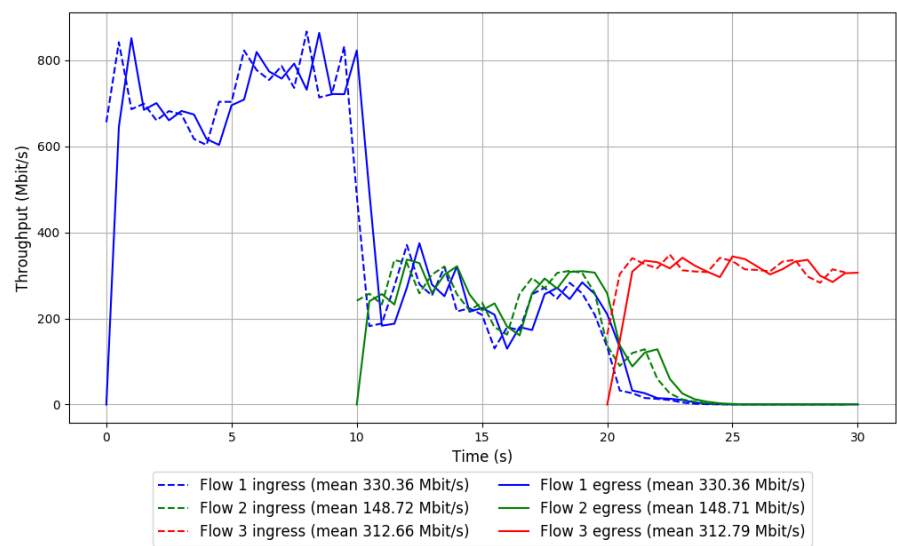
-- Flow 3:

Average throughput: 312.79 Mbit/s

95th percentile per-packet one-way delay: 20.775 ms

Loss rate: 0.26%

Run 2: Report of FillP-Sheep — Data Link



Run 3: Statistics of FillP-Sheep

Start at: 2019-09-19 00:04:55

End at: 2019-09-19 00:05:25

Local clock offset: 1.111 ms

Remote clock offset: 3.987 ms

Below is generated by plot.py at 2019-09-19 02:19:35

Datalink statistics

-- Total of 3 flows:

Average throughput: 863.74 Mbit/s

95th percentile per-packet one-way delay: 40.002 ms

Loss rate: 0.06%

-- Flow 1:

Average throughput: 569.98 Mbit/s

95th percentile per-packet one-way delay: 40.263 ms

Loss rate: 0.04%

-- Flow 2:

Average throughput: 405.18 Mbit/s

95th percentile per-packet one-way delay: 39.626 ms

Loss rate: 0.12%

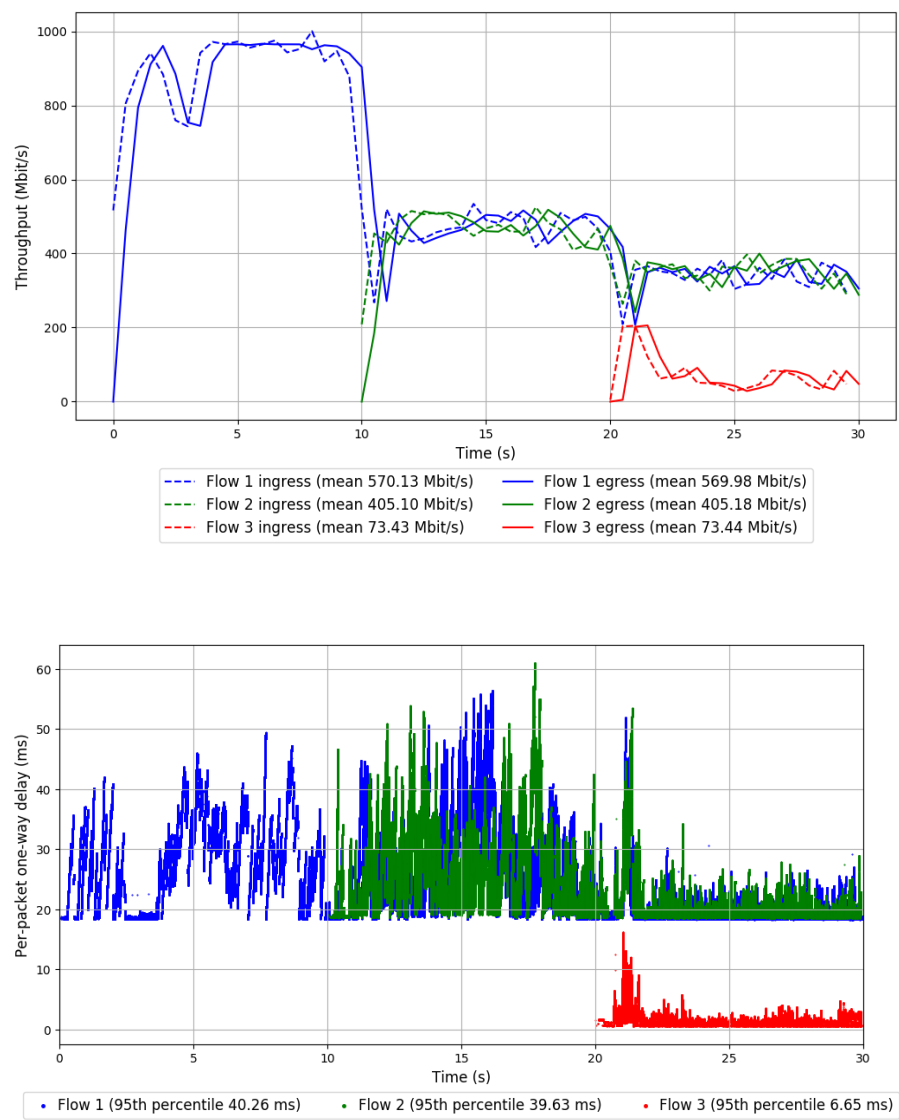
-- Flow 3:

Average throughput: 73.44 Mbit/s

95th percentile per-packet one-way delay: 6.653 ms

Loss rate: 0.00%

Run 3: Report of FillP-Sheep — Data Link



Run 4: Statistics of FillP-Sheep

Start at: 2019-09-19 00:40:20

End at: 2019-09-19 00:40:50

Local clock offset: -1.474 ms

Remote clock offset: 3.242 ms

Below is generated by plot.py at 2019-09-19 02:24:51

Datalink statistics

-- Total of 3 flows:

Average throughput: 886.09 Mbit/s

95th percentile per-packet one-way delay: 36.571 ms

Loss rate: 0.10%

-- Flow 1:

Average throughput: 527.44 Mbit/s

95th percentile per-packet one-way delay: 35.387 ms

Loss rate: 0.04%

-- Flow 2:

Average throughput: 393.98 Mbit/s

95th percentile per-packet one-way delay: 36.985 ms

Loss rate: 0.10%

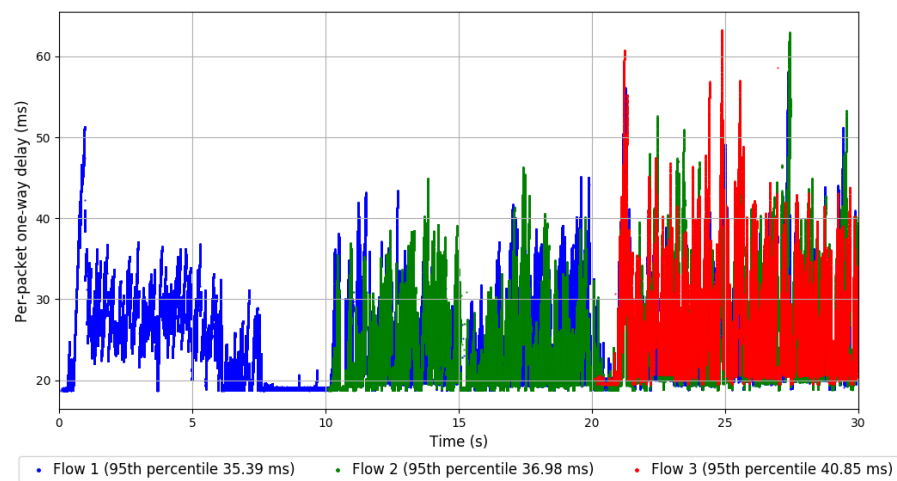
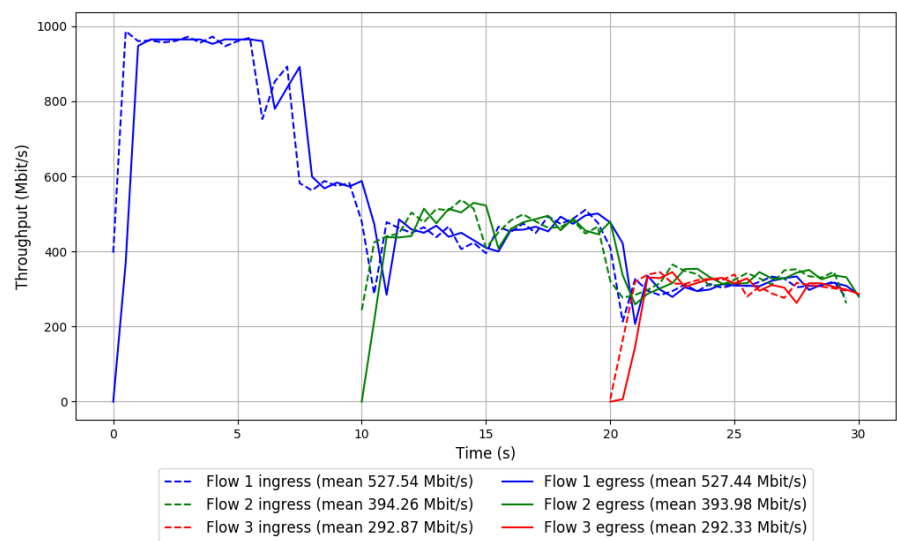
-- Flow 3:

Average throughput: 292.33 Mbit/s

95th percentile per-packet one-way delay: 40.853 ms

Loss rate: 0.41%

Run 4: Report of FillP-Sheep — Data Link



Run 5: Statistics of FillP-Sheep

Start at: 2019-09-19 01:15:39

End at: 2019-09-19 01:16:09

Local clock offset: -0.621 ms

Remote clock offset: 2.95 ms

Below is generated by plot.py at 2019-09-19 02:26:47

Datalink statistics

-- Total of 3 flows:

Average throughput: 796.52 Mbit/s

95th percentile per-packet one-way delay: 31.402 ms

Loss rate: 0.04%

-- Flow 1:

Average throughput: 568.81 Mbit/s

95th percentile per-packet one-way delay: 32.359 ms

Loss rate: 0.04%

-- Flow 2:

Average throughput: 166.77 Mbit/s

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

Loss rate: 0.00%

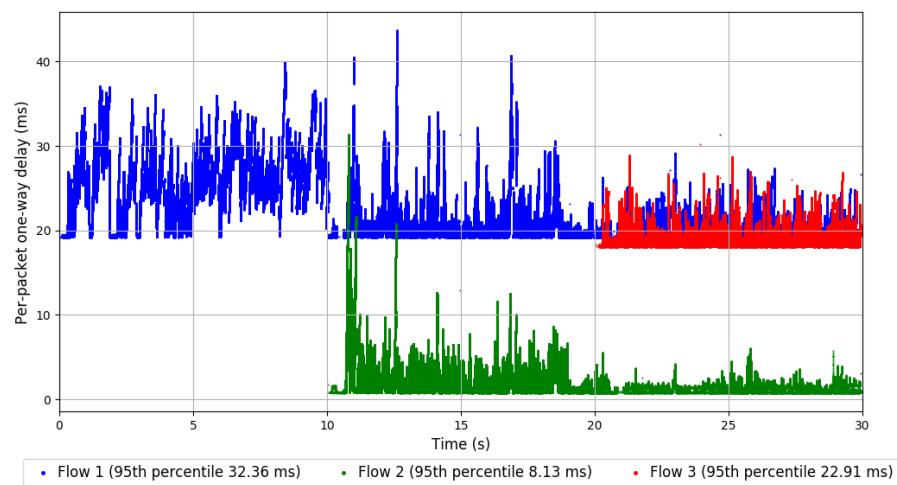
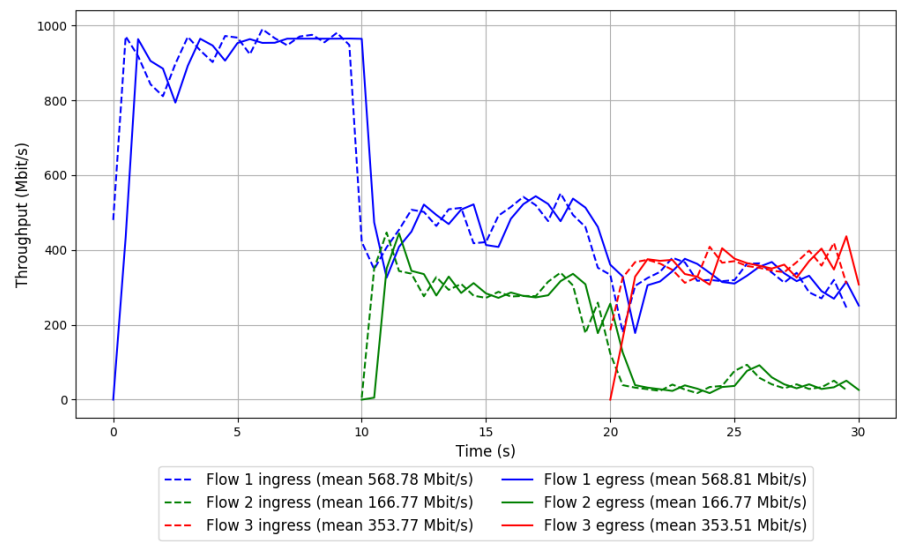
-- Flow 3:

Average throughput: 353.51 Mbit/s

95th percentile per-packet one-way delay: 22.906 ms

Loss rate: 0.07%

Run 5: Report of FillP-Sheep — Data Link

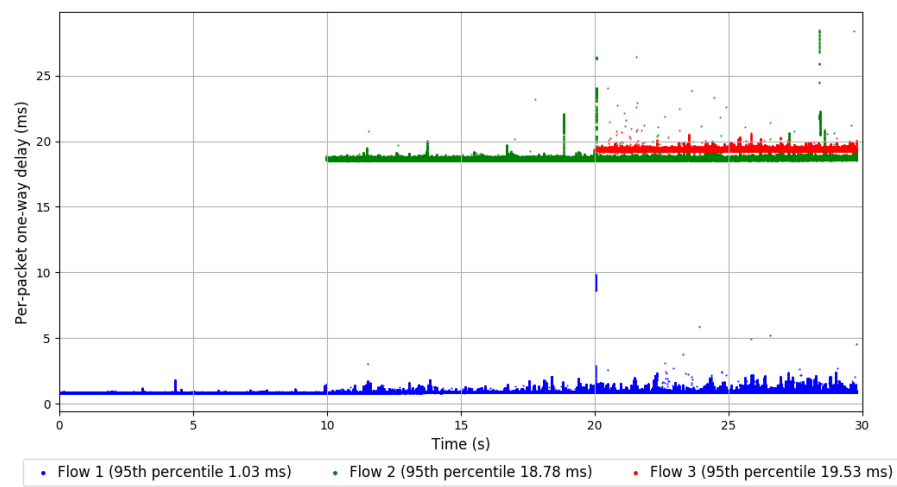
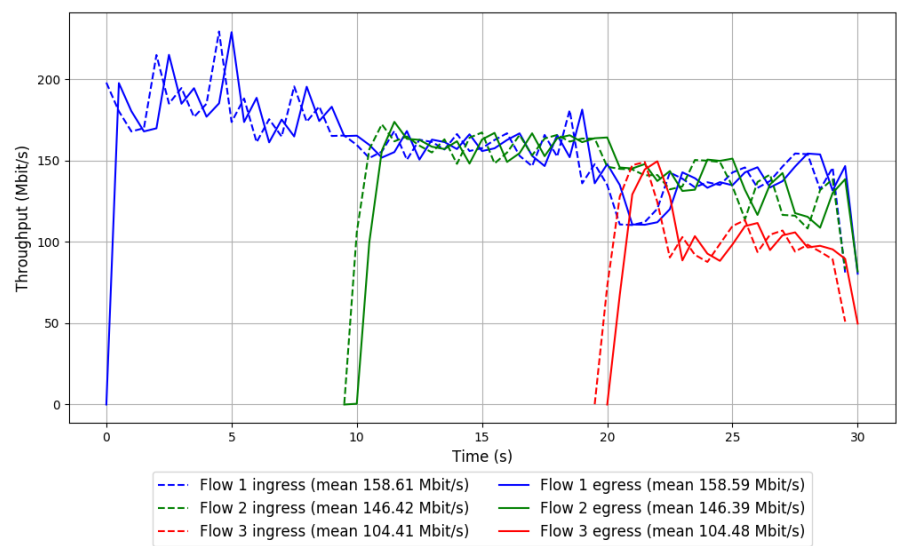


```
Run 1: Statistics of Indigo

Start at: 2019-09-18 23:13:27
End at: 2019-09-18 23:13:57
Local clock offset: 0.044 ms
Remote clock offset: 3.067 ms

# Below is generated by plot.py at 2019-09-19 02:26:47
# Datalink statistics
-- Total of 3 flows:
Average throughput: 290.31 Mbit/s
95th percentile per-packet one-way delay: 19.364 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 158.59 Mbit/s
95th percentile per-packet one-way delay: 1.035 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 146.39 Mbit/s
95th percentile per-packet one-way delay: 18.780 ms
Loss rate: 0.11%
-- Flow 3:
Average throughput: 104.48 Mbit/s
95th percentile per-packet one-way delay: 19.530 ms
Loss rate: 0.14%
```

Run 1: Report of Indigo — Data Link



Run 2: Statistics of Indigo

Start at: 2019-09-18 23:48:35

End at: 2019-09-18 23:49:05

Local clock offset: -0.174 ms

Remote clock offset: 3.844 ms

Below is generated by plot.py at 2019-09-19 02:26:47

Datalink statistics

-- Total of 3 flows:

Average throughput: 286.69 Mbit/s

95th percentile per-packet one-way delay: 1.138 ms

Loss rate: 0.01%

-- Flow 1:

Average throughput: 154.94 Mbit/s

95th percentile per-packet one-way delay: 1.018 ms

Loss rate: 0.01%

-- Flow 2:

Average throughput: 141.30 Mbit/s

95th percentile per-packet one-way delay: 1.281 ms

Loss rate: 0.02%

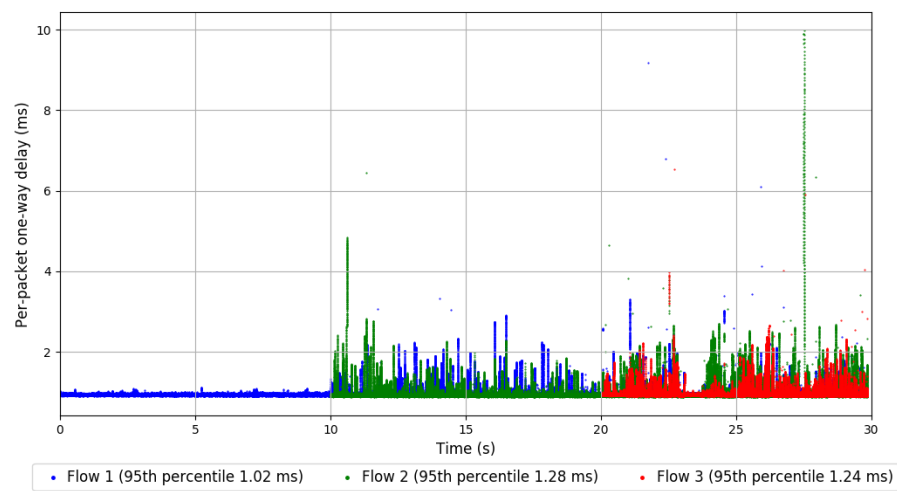
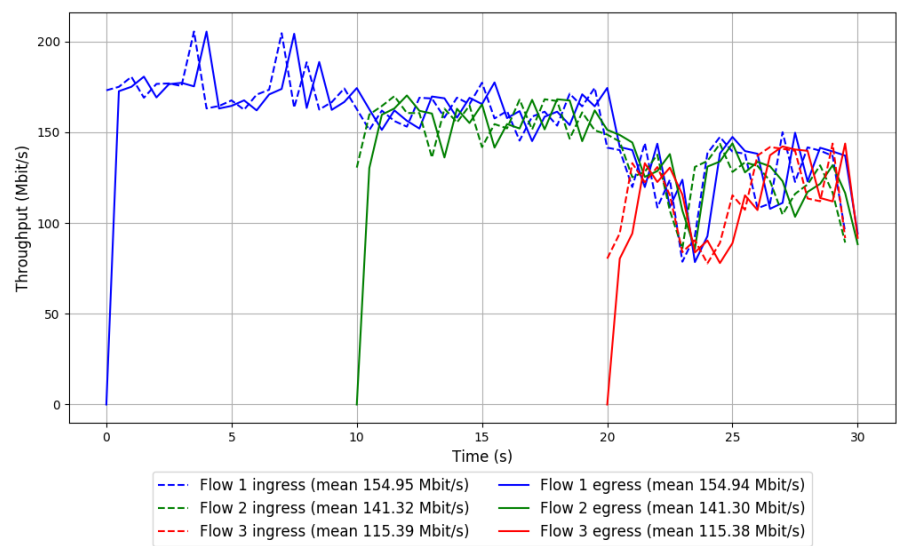
-- Flow 3:

Average throughput: 115.38 Mbit/s

95th percentile per-packet one-way delay: 1.240 ms

Loss rate: 0.00%

Run 2: Report of Indigo — Data Link



Run 3: Statistics of Indigo

Start at: 2019-09-19 00:23:45

End at: 2019-09-19 00:24:15

Local clock offset: 3.314 ms

Remote clock offset: 3.229 ms

Below is generated by plot.py at 2019-09-19 02:26:47

Datalink statistics

-- Total of 3 flows:

Average throughput: 298.16 Mbit/s

95th percentile per-packet one-way delay: 1.131 ms

Loss rate: 0.01%

-- Flow 1:

Average throughput: 159.18 Mbit/s

95th percentile per-packet one-way delay: 1.100 ms

Loss rate: 0.01%

-- Flow 2:

Average throughput: 142.94 Mbit/s

95th percentile per-packet one-way delay: 1.184 ms

Loss rate: 0.00%

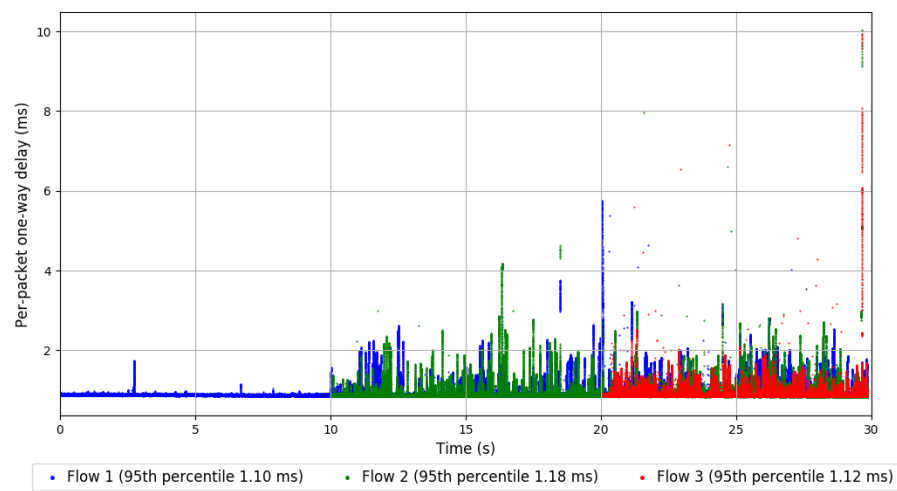
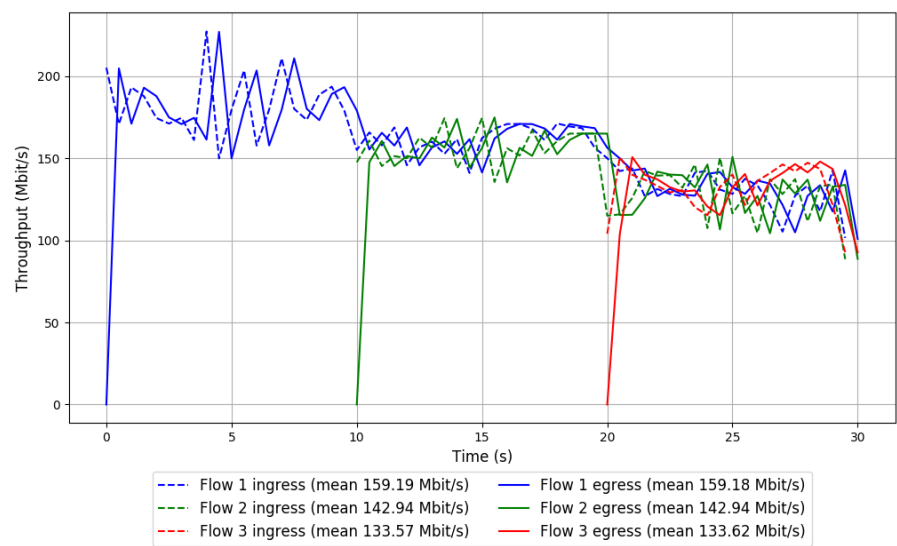
-- Flow 3:

Average throughput: 133.62 Mbit/s

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

Loss rate: 0.00%

Run 3: Report of Indigo — Data Link



Run 4: Statistics of Indigo

Start at: 2019-09-19 00:59:09

End at: 2019-09-19 00:59:39

Local clock offset: -4.505 ms

Remote clock offset: 2.911 ms

Below is generated by plot.py at 2019-09-19 02:26:47

Datalink statistics

-- Total of 3 flows:

Average throughput: 293.93 Mbit/s

95th percentile per-packet one-way delay: 1.150 ms

Loss rate: 0.01%

-- Flow 1:

Average throughput: 157.99 Mbit/s

95th percentile per-packet one-way delay: 1.103 ms

Loss rate: 0.01%

-- Flow 2:

Average throughput: 142.35 Mbit/s

95th percentile per-packet one-way delay: 1.116 ms

Loss rate: 0.01%

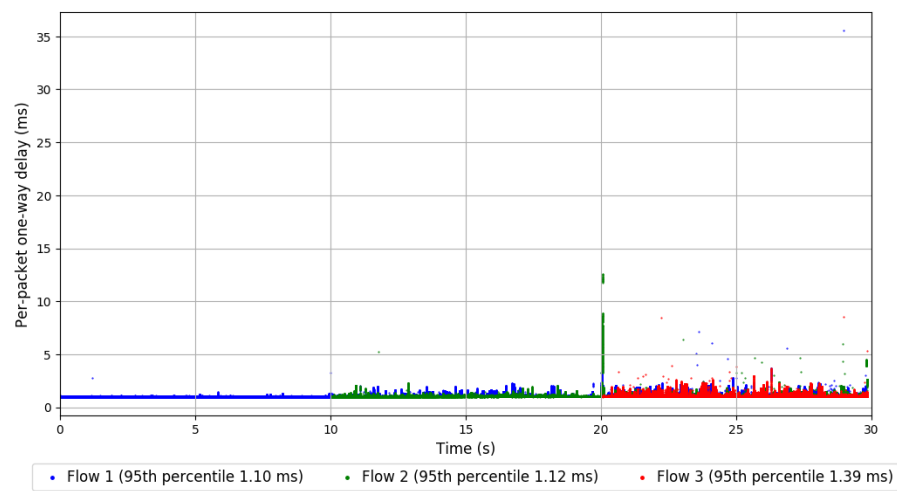
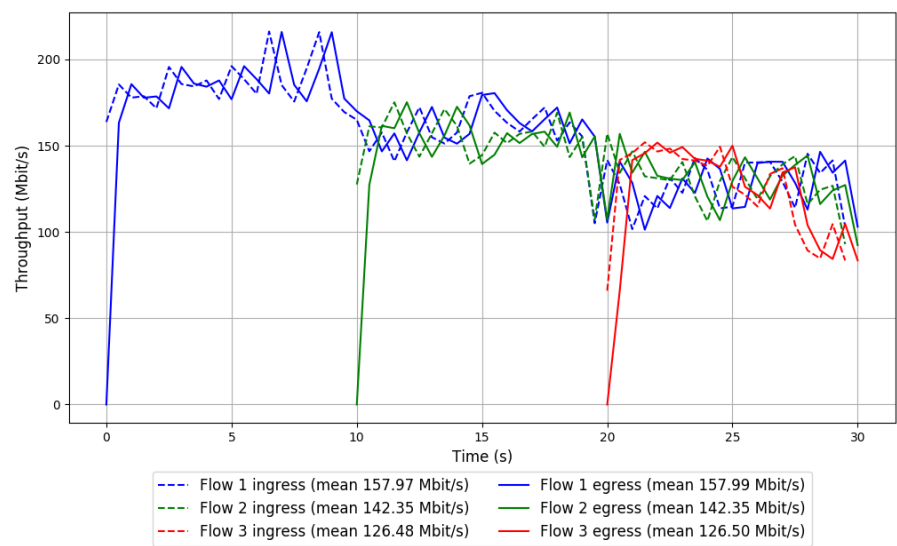
-- Flow 3:

Average throughput: 126.50 Mbit/s

95th percentile per-packet one-way delay: 1.385 ms

Loss rate: 0.01%

Run 4: Report of Indigo — Data Link

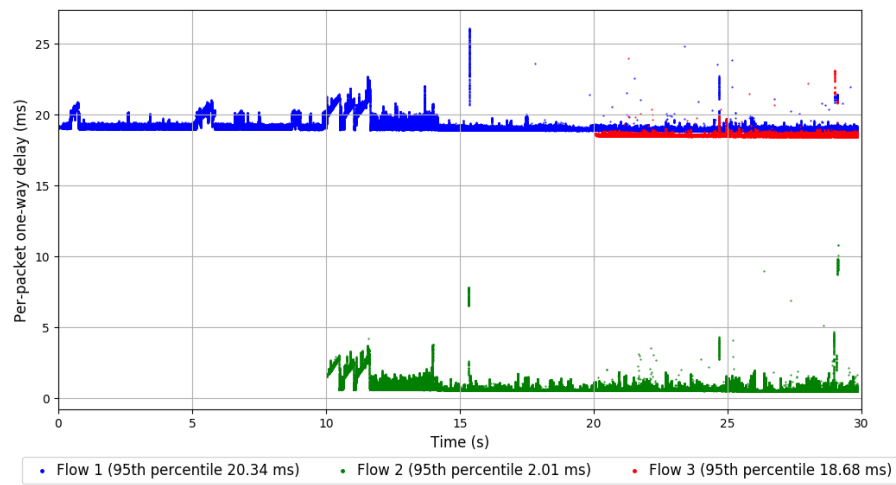
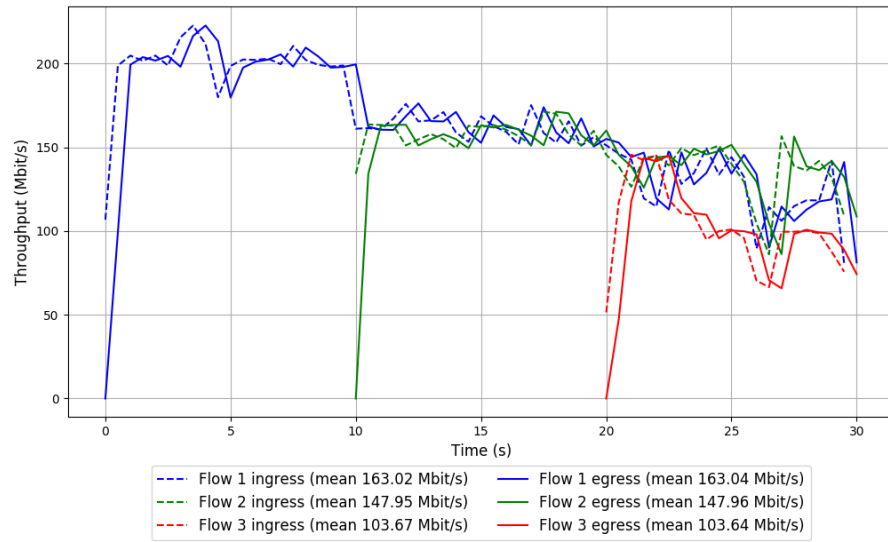


Run 5: Statistics of Indigo

Start at: 2019-09-19 01:34:32
End at: 2019-09-19 01:35:02
Local clock offset: 1.356 ms
Remote clock offset: -0.583 ms

Below is generated by plot.py at 2019-09-19 02:26:47
Datalink statistics
-- Total of 3 flows:
Average throughput: 295.31 Mbit/s
95th percentile per-packet one-way delay: 20.008 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 163.04 Mbit/s
95th percentile per-packet one-way delay: 20.337 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 147.96 Mbit/s
95th percentile per-packet one-way delay: 2.009 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 103.64 Mbit/s
95th percentile per-packet one-way delay: 18.677 ms
Loss rate: 0.22%

Run 5: Report of Indigo — Data Link



Run 1: Statistics of Indigo-MusesC3

Start at: 2019-09-18 23:03:49

End at: 2019-09-18 23:04:19

Local clock offset: 0.027 ms

Remote clock offset: 0.621 ms

Below is generated by plot.py at 2019-09-19 02:26:47

Datalink statistics

-- Total of 3 flows:

Average throughput: 252.16 Mbit/s

95th percentile per-packet one-way delay: 19.621 ms

Loss rate: 0.07%

-- Flow 1:

Average throughput: 176.50 Mbit/s

95th percentile per-packet one-way delay: 19.550 ms

Loss rate: 0.02%

-- Flow 2:

Average throughput: 111.10 Mbit/s

95th percentile per-packet one-way delay: 19.699 ms

Loss rate: 0.14%

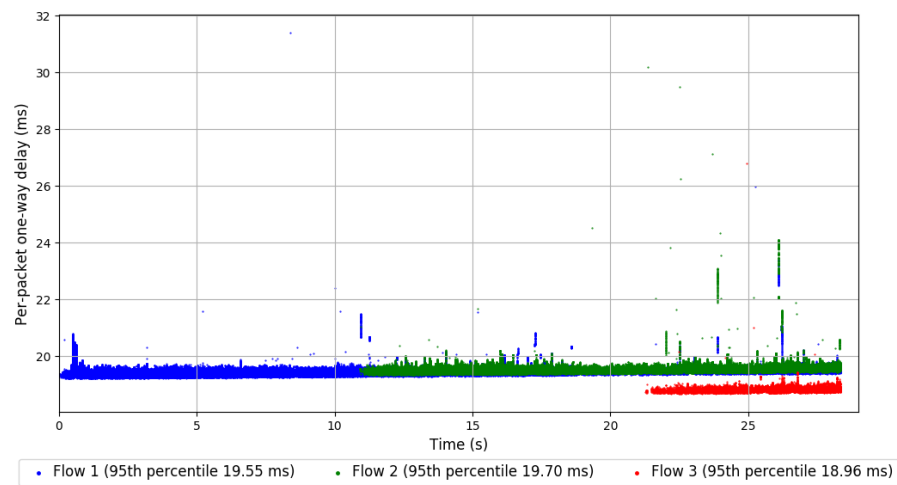
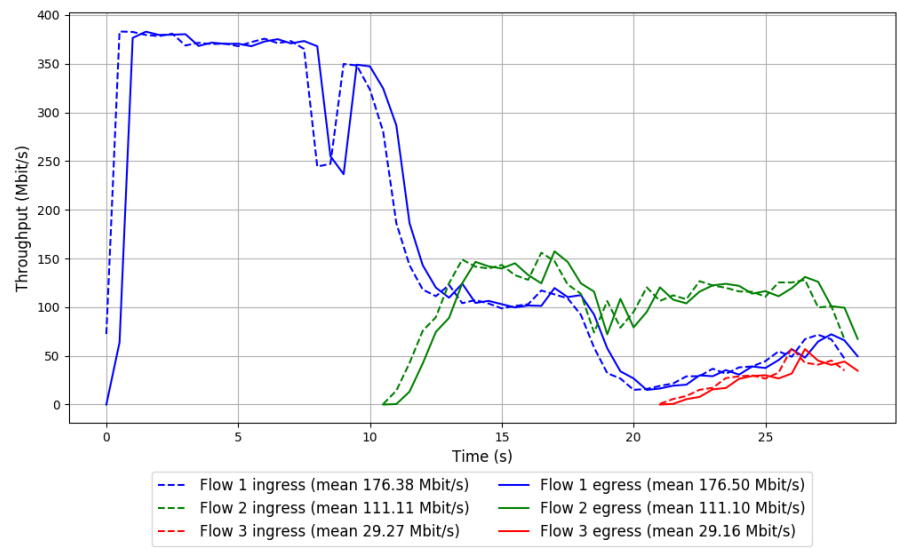
-- Flow 3:

Average throughput: 29.16 Mbit/s

95th percentile per-packet one-way delay: 18.958 ms

Loss rate: 0.61%

Run 1: Report of Indigo-MusesC3 — Data Link



Run 2: Statistics of Indigo-MusesC3

Start at: 2019-09-18 23:38:59

End at: 2019-09-18 23:39:29

Local clock offset: -0.051 ms

Remote clock offset: 4.81 ms

Below is generated by plot.py at 2019-09-19 02:26:47

Datalink statistics

-- Total of 3 flows:

Average throughput: 217.03 Mbit/s

95th percentile per-packet one-way delay: 18.573 ms

Loss rate: 0.02%

-- Flow 1:

Average throughput: 172.01 Mbit/s

95th percentile per-packet one-way delay: 0.903 ms

Loss rate: 0.01%

-- Flow 2:

Average throughput: 62.94 Mbit/s

95th percentile per-packet one-way delay: 18.675 ms

Loss rate: 0.01%

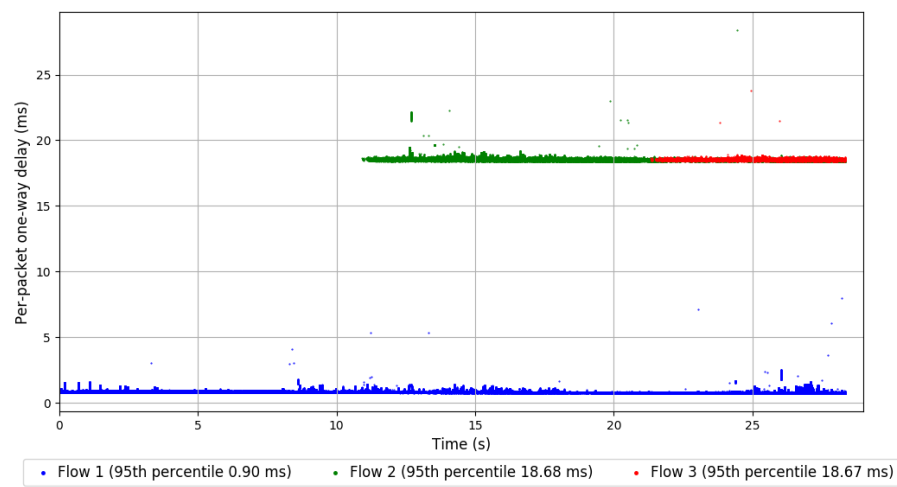
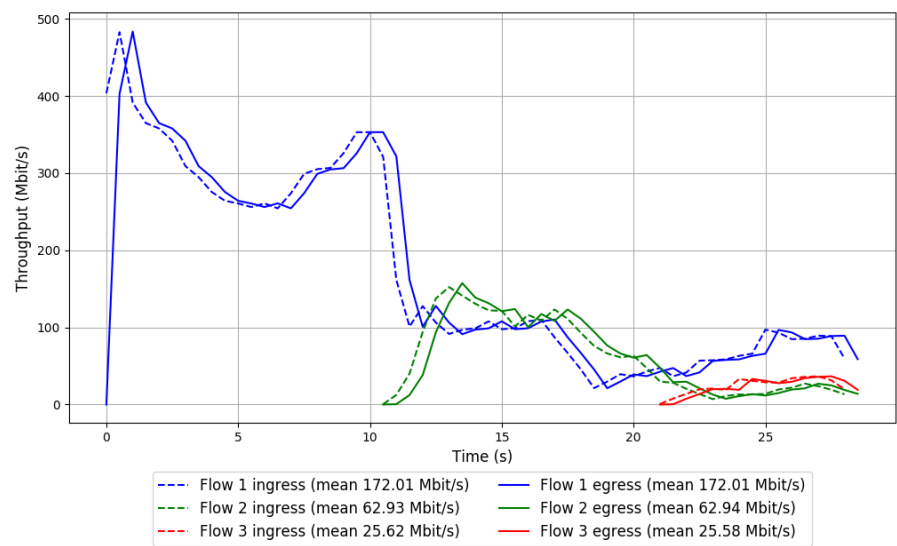
-- Flow 3:

Average throughput: 25.58 Mbit/s

95th percentile per-packet one-way delay: 18.669 ms

Loss rate: 0.56%

Run 2: Report of Indigo-MusesC3 — Data Link



Run 3: Statistics of Indigo-MusesC3

Start at: 2019-09-19 00:14:04

End at: 2019-09-19 00:14:34

Local clock offset: 2.574 ms

Remote clock offset: 3.671 ms

Below is generated by plot.py at 2019-09-19 02:26:47

Datalink statistics

-- Total of 3 flows:

Average throughput: 264.48 Mbit/s

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

Loss rate: 0.03%

-- Flow 1:

Average throughput: 209.37 Mbit/s

95th percentile per-packet one-way delay: 18.639 ms

Loss rate: 0.03%

-- Flow 2:

Average throughput: 76.51 Mbit/s

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

Loss rate: 0.00%

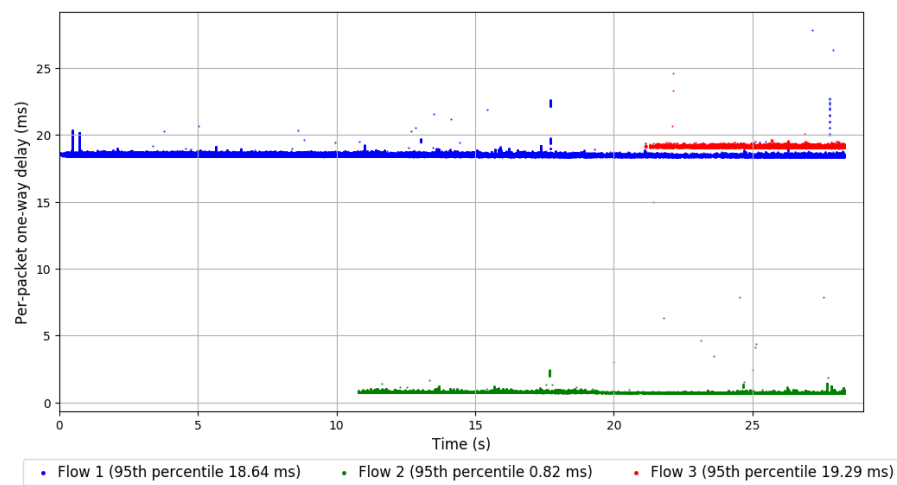
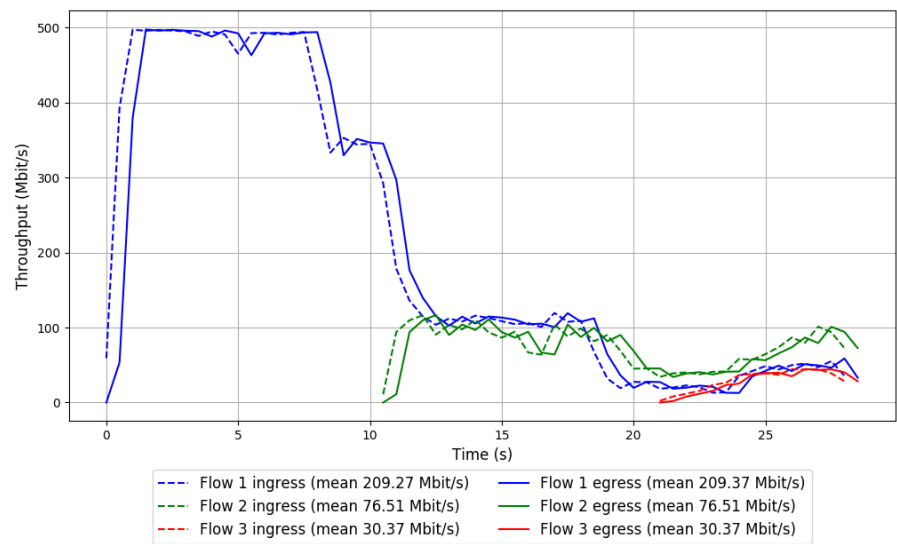
-- Flow 3:

Average throughput: 30.37 Mbit/s

95th percentile per-packet one-way delay: 19.290 ms

Loss rate: 0.30%

Run 3: Report of Indigo-MusesC3 — Data Link



Run 4: Statistics of Indigo-MusesC3

Start at: 2019-09-19 00:49:28

End at: 2019-09-19 00:49:58

Local clock offset: -3.333 ms

Remote clock offset: 3.083 ms

Below is generated by plot.py at 2019-09-19 02:26:47

Datalink statistics

-- Total of 3 flows:

Average throughput: 259.50 Mbit/s

95th percentile per-packet one-way delay: 20.076 ms

Loss rate: 0.03%

-- Flow 1:

Average throughput: 191.57 Mbit/s

95th percentile per-packet one-way delay: 1.132 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 100.69 Mbit/s

95th percentile per-packet one-way delay: 20.204 ms

Loss rate: 0.08%

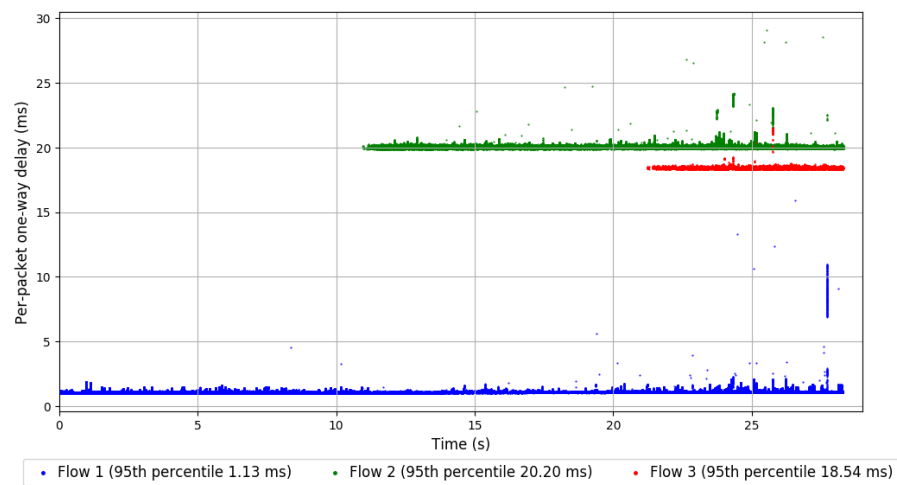
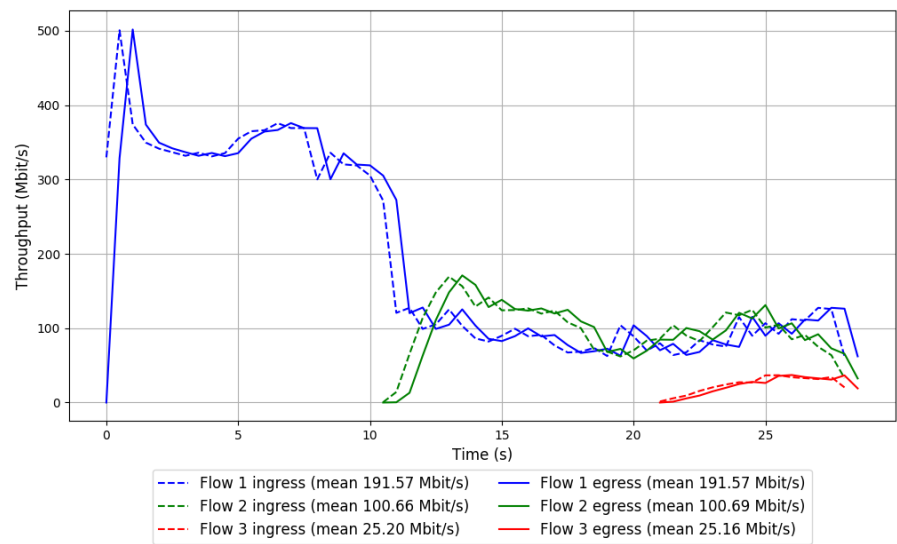
-- Flow 3:

Average throughput: 25.16 Mbit/s

95th percentile per-packet one-way delay: 18.541 ms

Loss rate: 0.37%

Run 4: Report of Indigo-MusesC3 — Data Link



Run 5: Statistics of Indigo-MusesC3

Start at: 2019-09-19 01:24:48

End at: 2019-09-19 01:25:18

Local clock offset: -0.049 ms

Remote clock offset: 0.981 ms

Below is generated by plot.py at 2019-09-19 02:26:47

Datalink statistics

-- Total of 3 flows:

Average throughput: 221.39 Mbit/s

95th percentile per-packet one-way delay: 1.017 ms

Loss rate: 0.02%

-- Flow 1:

Average throughput: 153.82 Mbit/s

95th percentile per-packet one-way delay: 0.950 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 97.85 Mbit/s

95th percentile per-packet one-way delay: 0.930 ms

Loss rate: 0.01%

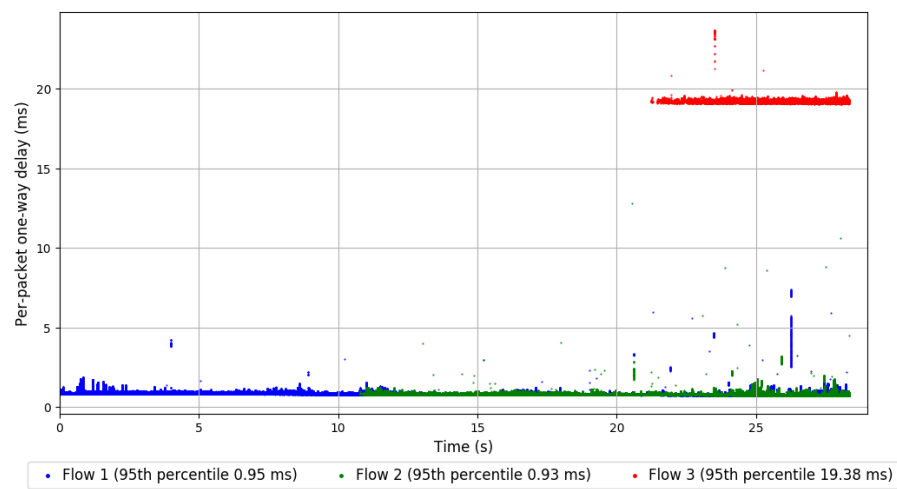
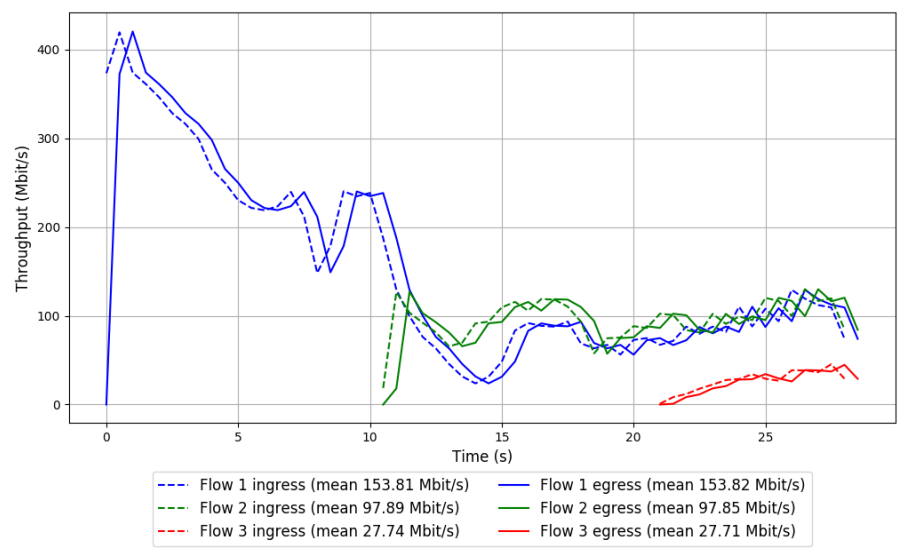
-- Flow 3:

Average throughput: 27.71 Mbit/s

95th percentile per-packet one-way delay: 19.375 ms

Loss rate: 0.42%

Run 5: Report of Indigo-MusesC3 — Data Link



Run 1: Statistics of Indigo-MusesC5

Start at: 2019-09-18 23:02:25

End at: 2019-09-18 23:02:55

Local clock offset: 0.031 ms

Remote clock offset: 0.033 ms

Below is generated by plot.py at 2019-09-19 02:26:47

Datalink statistics

-- Total of 3 flows:

Average throughput: 277.02 Mbit/s

95th percentile per-packet one-way delay: 19.193 ms

Loss rate: 0.02%

-- Flow 1:

Average throughput: 233.62 Mbit/s

95th percentile per-packet one-way delay: 18.960 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 56.45 Mbit/s

95th percentile per-packet one-way delay: 19.317 ms

Loss rate: 0.13%

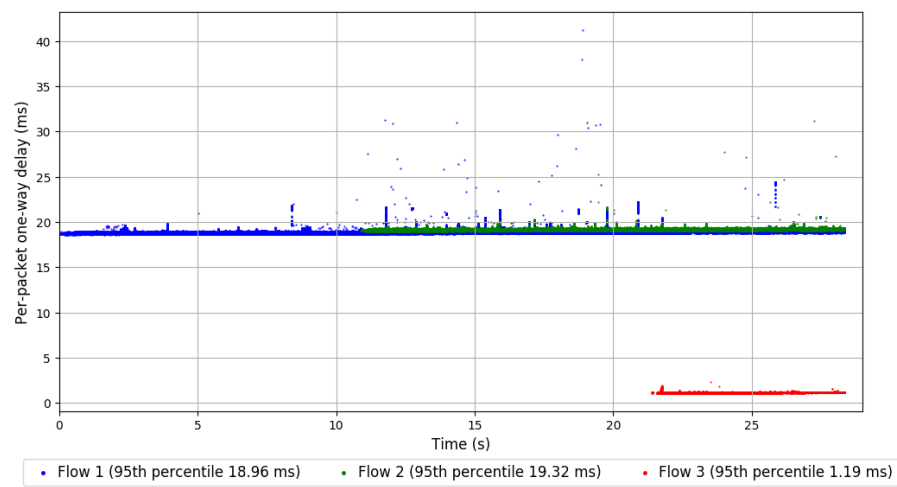
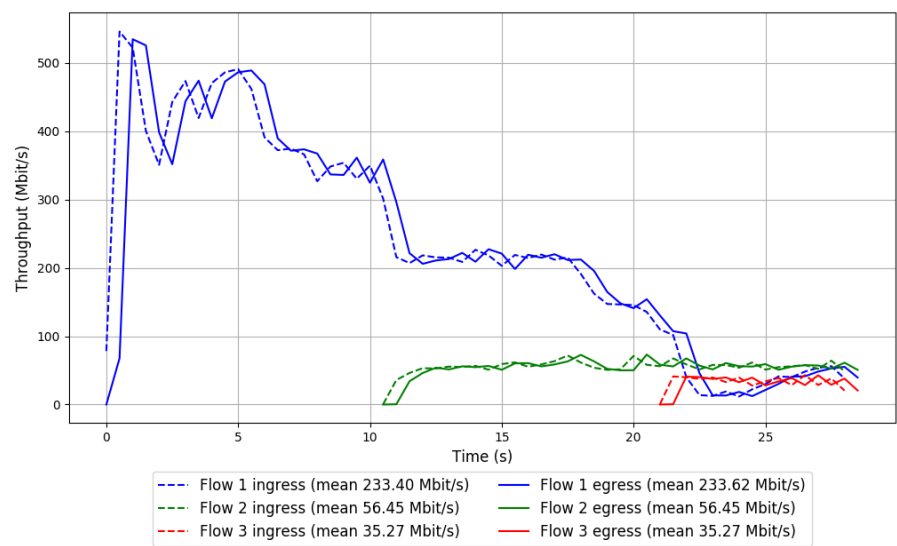
-- Flow 3:

Average throughput: 35.27 Mbit/s

95th percentile per-packet one-way delay: 1.189 ms

Loss rate: 0.00%

Run 1: Report of Indigo-MusesC5 — Data Link



Run 2: Statistics of Indigo-MusesC5

Start at: 2019-09-18 23:37:35

End at: 2019-09-18 23:38:05

Local clock offset: -0.063 ms

Remote clock offset: 5.091 ms

Below is generated by plot.py at 2019-09-19 02:26:47

Datalink statistics

-- Total of 3 flows:

Average throughput: 260.15 Mbit/s

95th percentile per-packet one-way delay: 18.635 ms

Loss rate: 0.05%

-- Flow 1:

Average throughput: 216.13 Mbit/s

95th percentile per-packet one-way delay: 18.644 ms

Loss rate: 0.02%

-- Flow 2:

Average throughput: 50.37 Mbit/s

95th percentile per-packet one-way delay: 18.187 ms

Loss rate: 0.14%

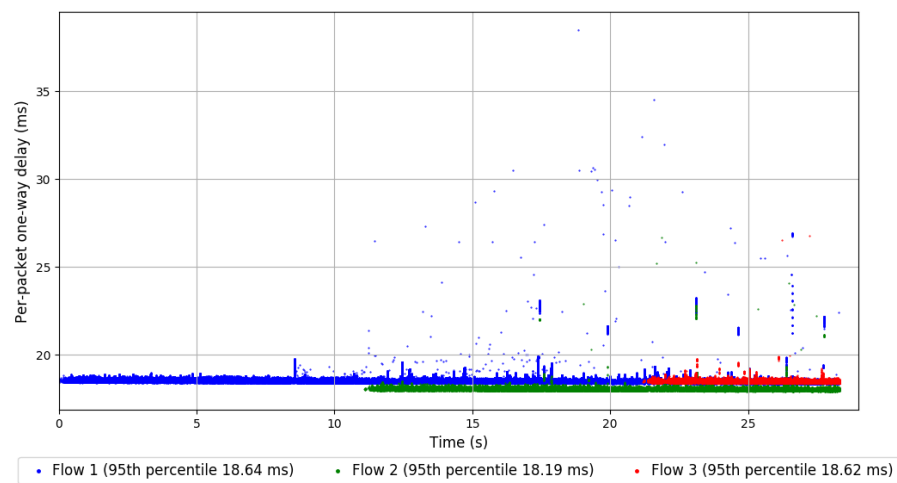
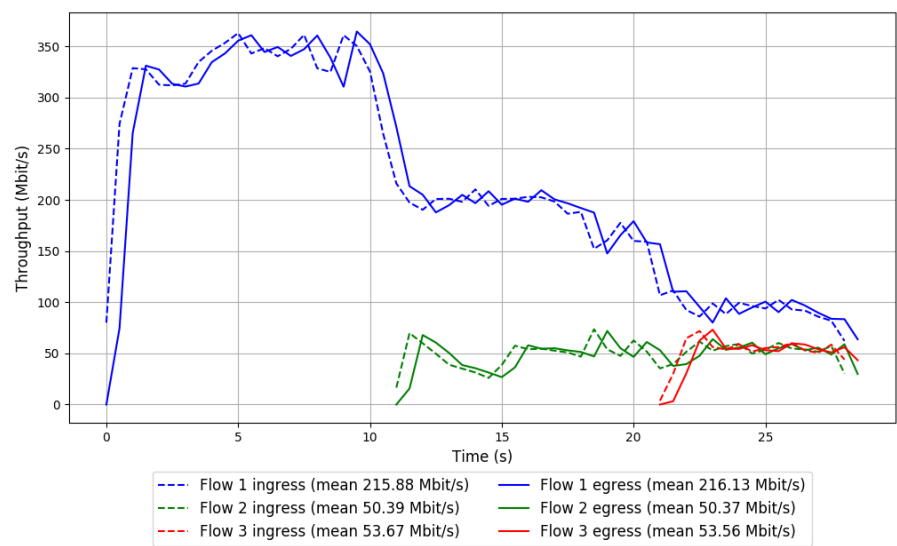
-- Flow 3:

Average throughput: 53.56 Mbit/s

95th percentile per-packet one-way delay: 18.625 ms

Loss rate: 0.46%

Run 2: Report of Indigo-MusesC5 — Data Link



Run 3: Statistics of Indigo-MusesC5

Start at: 2019-09-19 00:12:45

End at: 2019-09-19 00:13:15

Local clock offset: 2.445 ms

Remote clock offset: 3.739 ms

Below is generated by plot.py at 2019-09-19 02:26:47

Datalink statistics

-- Total of 3 flows:

Average throughput: 94.97 Mbit/s

95th percentile per-packet one-way delay: 18.561 ms

Loss rate: 0.03%

-- Flow 1:

Average throughput: 62.65 Mbit/s

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

Loss rate: 0.00%

-- Flow 2:

Average throughput: 30.47 Mbit/s

95th percentile per-packet one-way delay: 0.849 ms

Loss rate: 0.00%

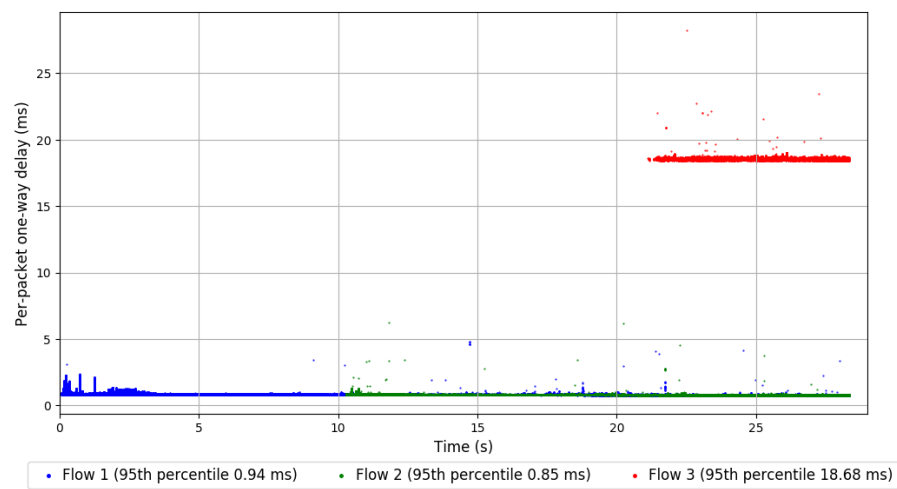
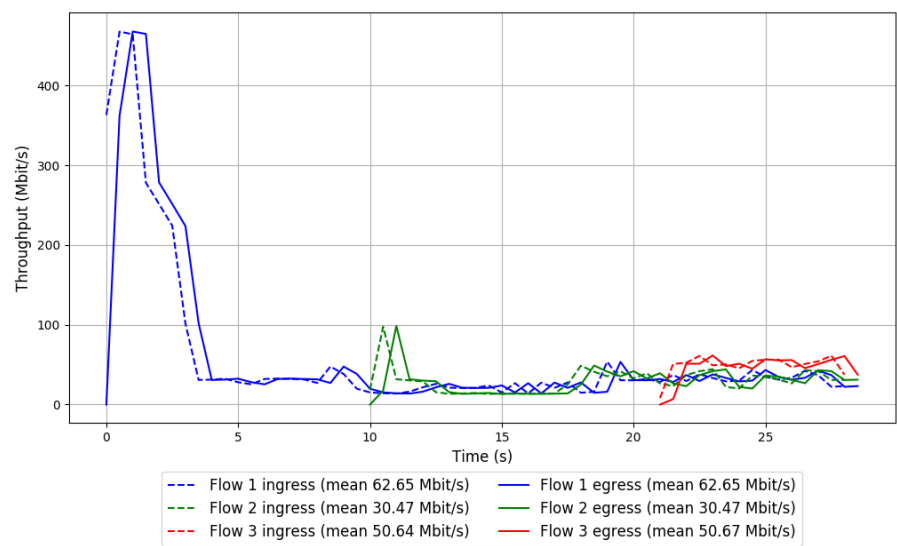
-- Flow 3:

Average throughput: 50.67 Mbit/s

95th percentile per-packet one-way delay: 18.678 ms

Loss rate: 0.21%

Run 3: Report of Indigo-MusesC5 — Data Link

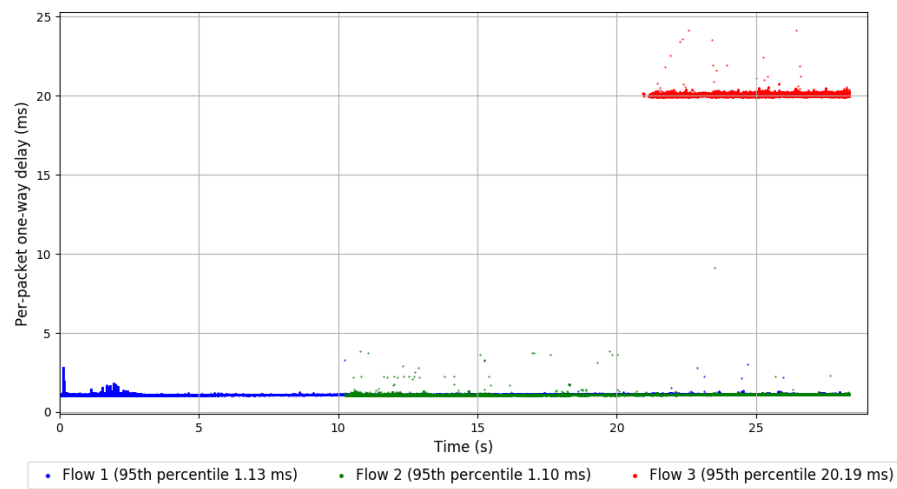
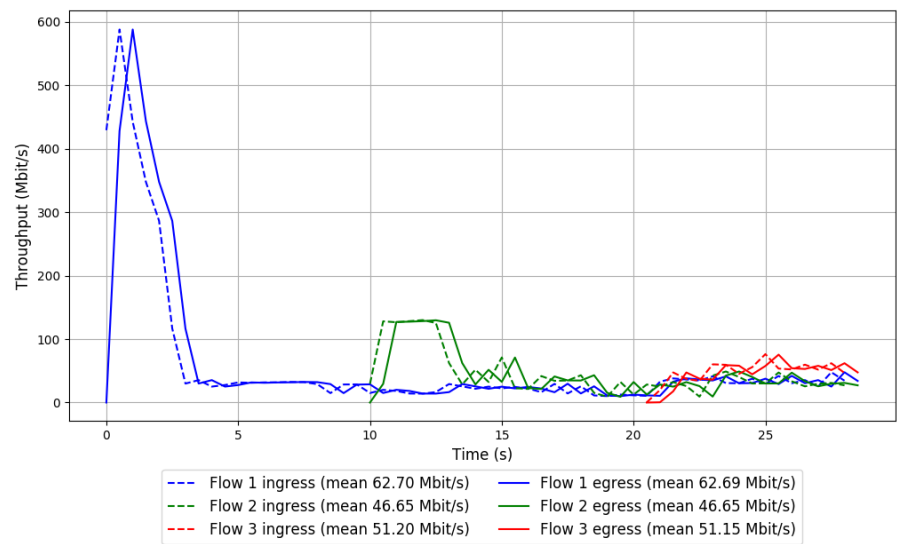


Run 4: Statistics of Indigo-MusesC5

Start at: 2019-09-19 00:48:10
End at: 2019-09-19 00:48:40
Local clock offset: -3.149 ms
Remote clock offset: 3.097 ms

Below is generated by plot.py at 2019-09-19 02:26:47
Datalink statistics
-- Total of 3 flows:
Average throughput: 105.83 Mbit/s
95th percentile per-packet one-way delay: 20.069 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 62.69 Mbit/s
95th percentile per-packet one-way delay: 1.133 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 46.65 Mbit/s
95th percentile per-packet one-way delay: 1.103 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 51.15 Mbit/s
95th percentile per-packet one-way delay: 20.191 ms
Loss rate: 0.36%

Run 4: Report of Indigo-MusesC5 — Data Link



Run 5: Statistics of Indigo-MusesC5

Start at: 2019-09-19 01:23:23

End at: 2019-09-19 01:23:53

Local clock offset: -0.122 ms

Remote clock offset: 1.318 ms

Below is generated by plot.py at 2019-09-19 02:27:33

Datalink statistics

-- Total of 3 flows:

Average throughput: 307.02 Mbit/s

95th percentile per-packet one-way delay: 18.750 ms

Loss rate: 0.03%

-- Flow 1:

Average throughput: 223.79 Mbit/s

95th percentile per-packet one-way delay: 18.824 ms

Loss rate: 0.02%

-- Flow 2:

Average throughput: 115.70 Mbit/s

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

Loss rate: 0.00%

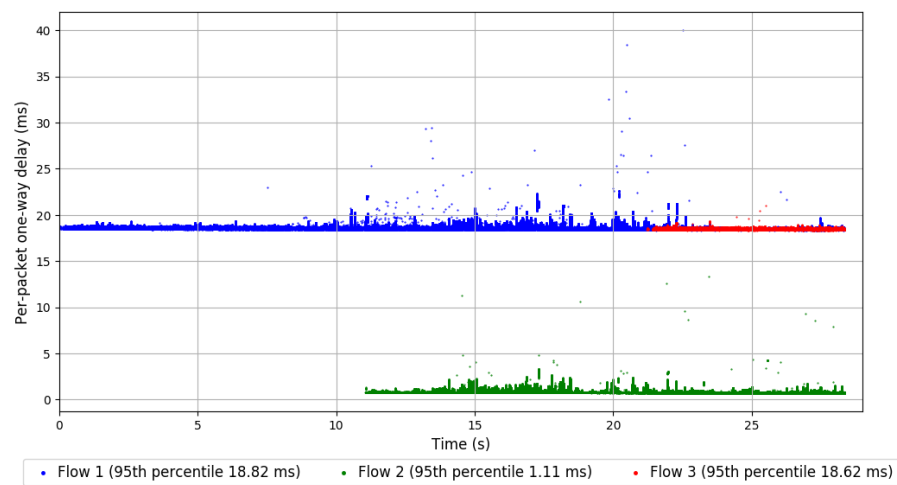
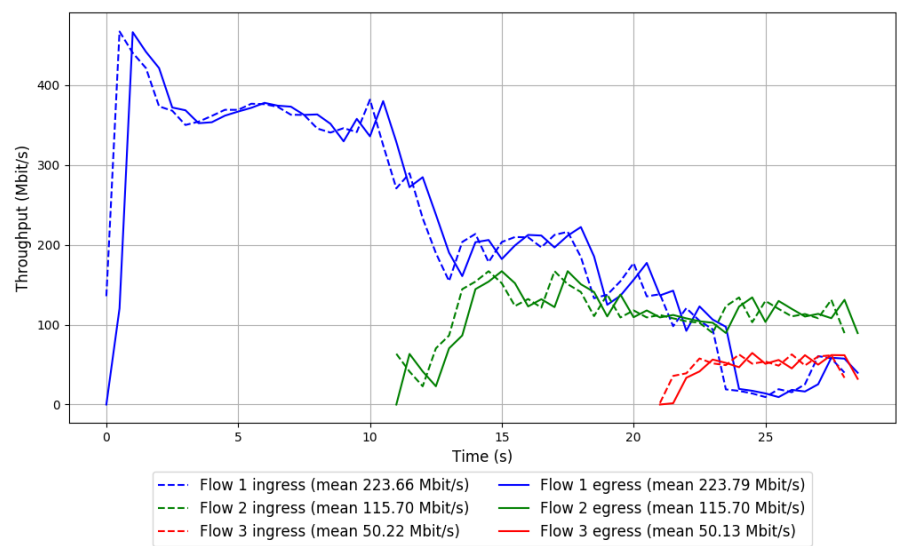
-- Flow 3:

Average throughput: 50.13 Mbit/s

95th percentile per-packet one-way delay: 18.617 ms

Loss rate: 0.42%

Run 5: Report of Indigo-MusesC5 — Data Link



Run 1: Statistics of Indigo-MusesD

Start at: 2019-09-18 23:09:00

End at: 2019-09-18 23:09:30

Local clock offset: 0.042 ms

Remote clock offset: 2.168 ms

Below is generated by plot.py at 2019-09-19 02:27:33

Datalink statistics

-- Total of 3 flows:

Average throughput: 108.01 Mbit/s

95th percentile per-packet one-way delay: 0.975 ms

Loss rate: 0.01%

-- Flow 1:

Average throughput: 70.43 Mbit/s

95th percentile per-packet one-way delay: 0.967 ms

Loss rate: 0.01%

-- Flow 2:

Average throughput: 43.55 Mbit/s

95th percentile per-packet one-way delay: 0.972 ms

Loss rate: 0.01%

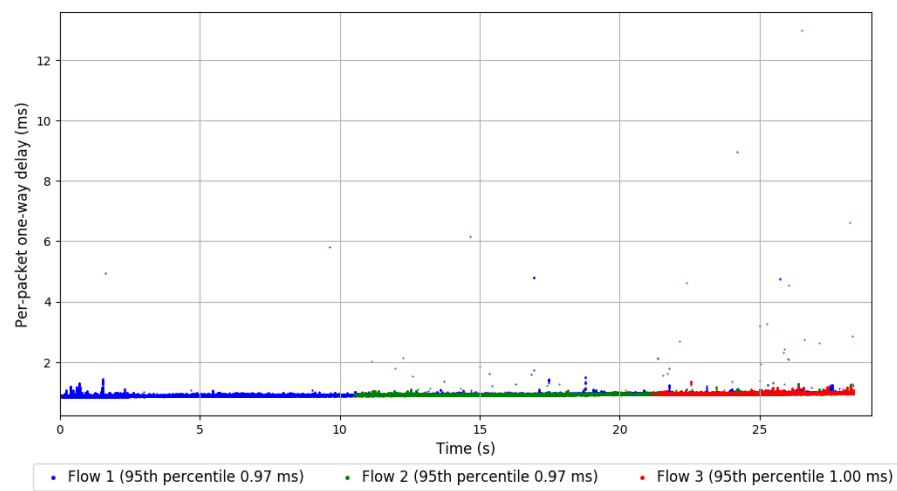
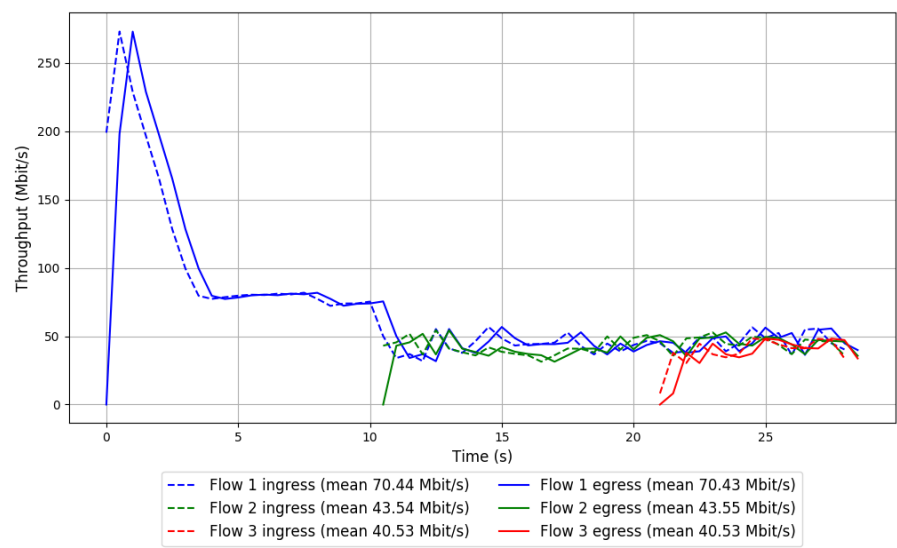
-- Flow 3:

Average throughput: 40.53 Mbit/s

95th percentile per-packet one-way delay: 0.999 ms

Loss rate: 0.00%

Run 1: Report of Indigo-MusesD — Data Link



Run 2: Statistics of Indigo-MusesD

Start at: 2019-09-18 23:44:09

End at: 2019-09-18 23:44:39

Local clock offset: -0.09 ms

Remote clock offset: 4.076 ms

Below is generated by plot.py at 2019-09-19 02:27:33

Datalink statistics

-- Total of 3 flows:

Average throughput: 115.31 Mbit/s

95th percentile per-packet one-way delay: 0.965 ms

Loss rate: 0.02%

-- Flow 1:

Average throughput: 59.51 Mbit/s

95th percentile per-packet one-way delay: 0.948 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 47.04 Mbit/s

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

Loss rate: 0.04%

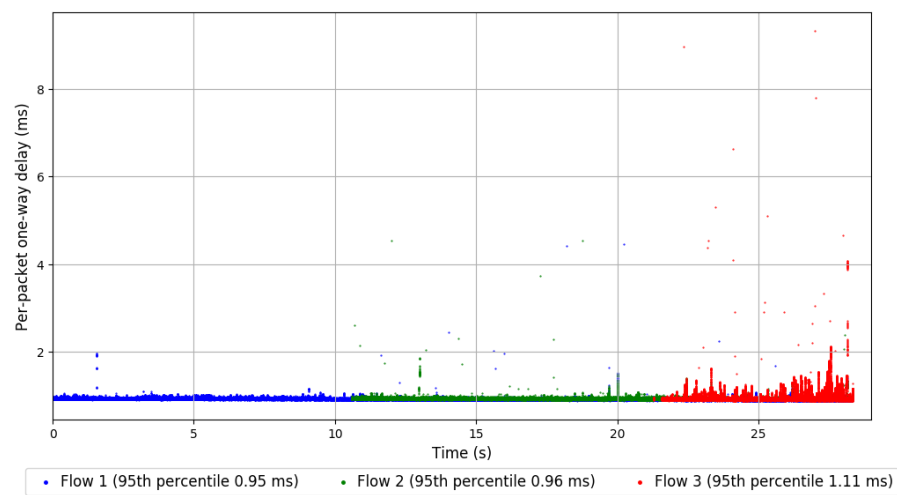
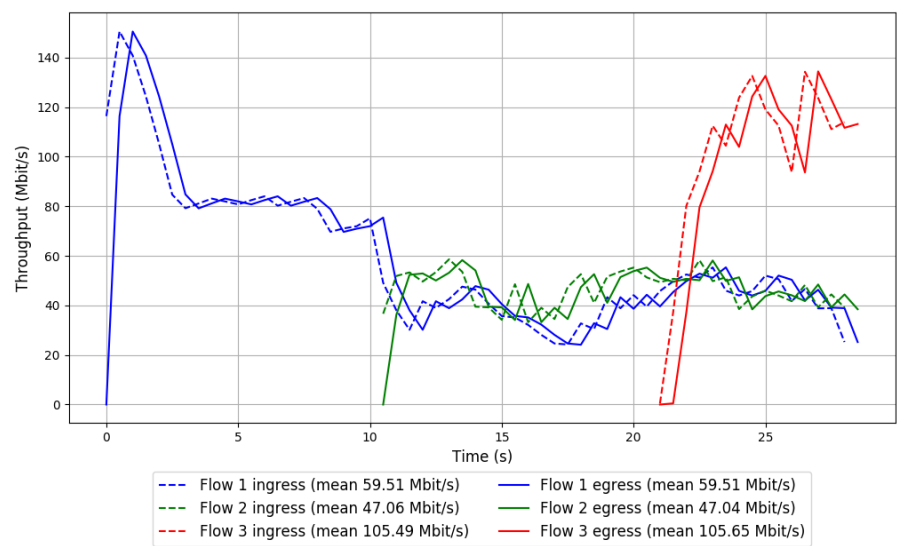
-- Flow 3:

Average throughput: 105.65 Mbit/s

95th percentile per-packet one-way delay: 1.115 ms

Loss rate: 0.05%

Run 2: Report of Indigo-MusesD — Data Link



Run 3: Statistics of Indigo-MusesD

Start at: 2019-09-19 00:19:16

End at: 2019-09-19 00:19:46

Local clock offset: 3.056 ms

Remote clock offset: 3.35 ms

Below is generated by plot.py at 2019-09-19 02:27:33

Datalink statistics

-- Total of 3 flows:

Average throughput: 95.73 Mbit/s

95th percentile per-packet one-way delay: 19.747 ms

Loss rate: 0.04%

-- Flow 1:

Average throughput: 61.42 Mbit/s

95th percentile per-packet one-way delay: 0.910 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 38.32 Mbit/s

95th percentile per-packet one-way delay: 0.871 ms

Loss rate: 0.04%

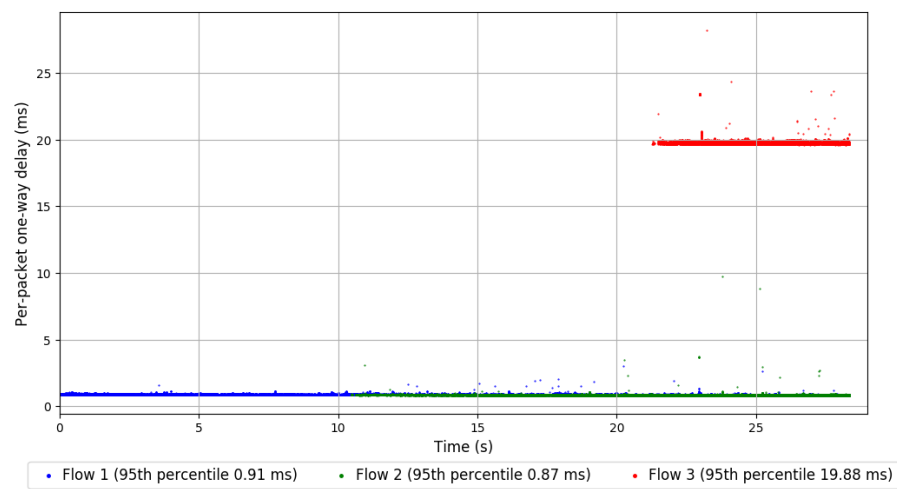
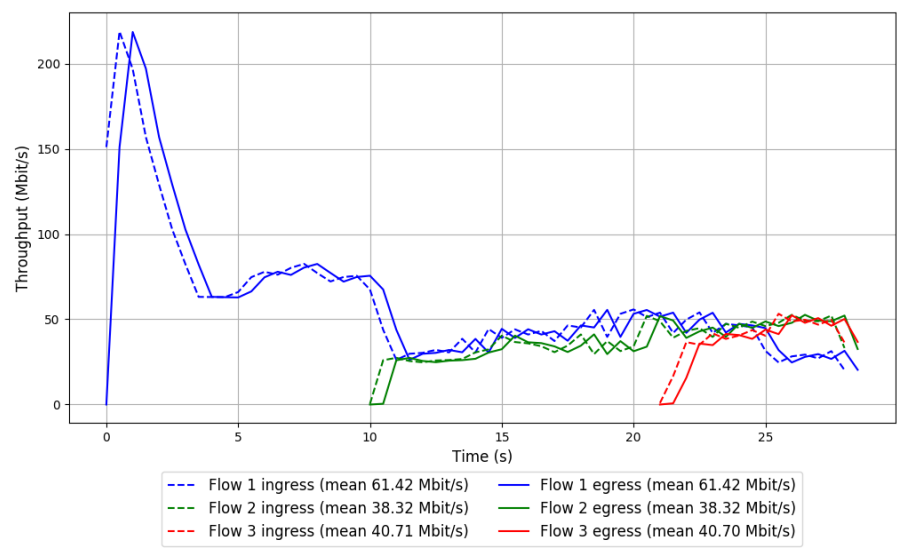
-- Flow 3:

Average throughput: 40.70 Mbit/s

95th percentile per-packet one-way delay: 19.883 ms

Loss rate: 0.29%

Run 3: Report of Indigo-MusesD — Data Link

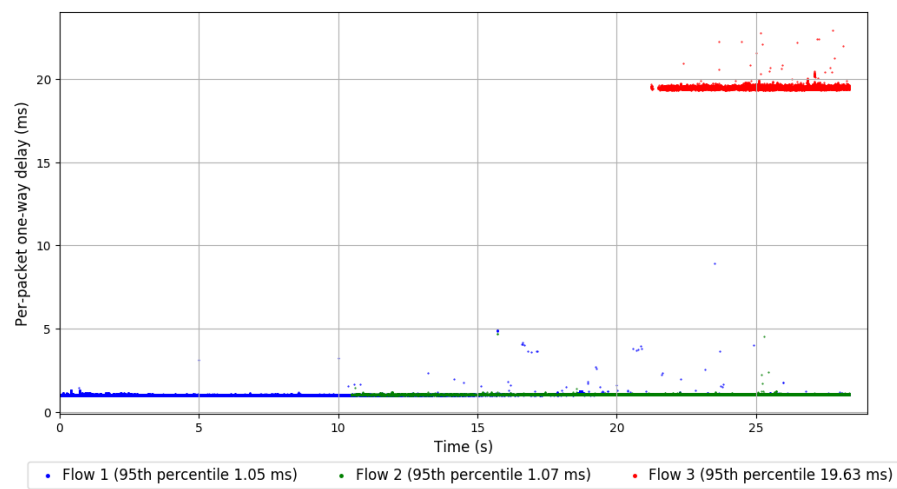
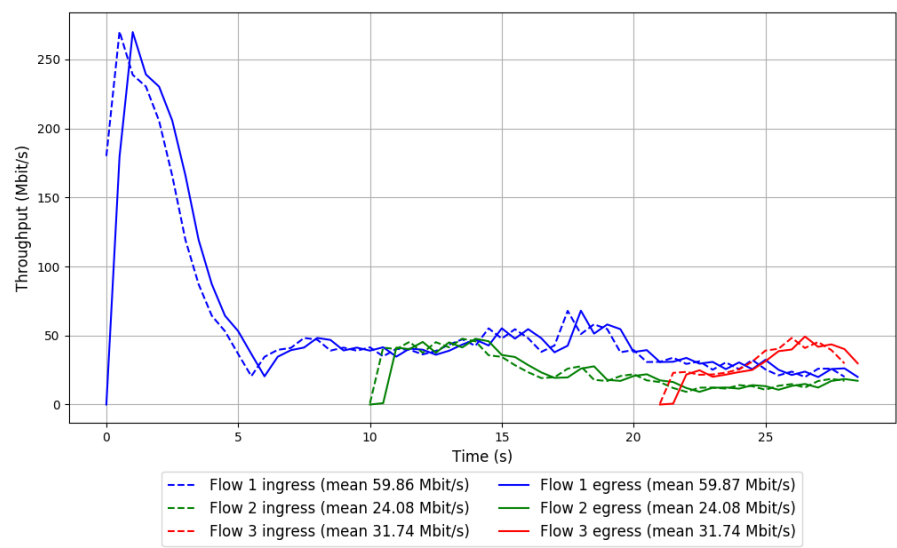


Run 4: Statistics of Indigo-MusesD

Start at: 2019-09-19 00:54:40
End at: 2019-09-19 00:55:10
Local clock offset: -4.056 ms
Remote clock offset: 2.94 ms

Below is generated by plot.py at 2019-09-19 02:27:33
Datalink statistics
-- Total of 3 flows:
Average throughput: 83.01 Mbit/s
95th percentile per-packet one-way delay: 19.474 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 59.87 Mbit/s
95th percentile per-packet one-way delay: 1.050 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 24.08 Mbit/s
95th percentile per-packet one-way delay: 1.067 ms
Loss rate: 0.02%
-- Flow 3:
Average throughput: 31.74 Mbit/s
95th percentile per-packet one-way delay: 19.626 ms
Loss rate: 0.30%

Run 4: Report of Indigo-MusesD — Data Link

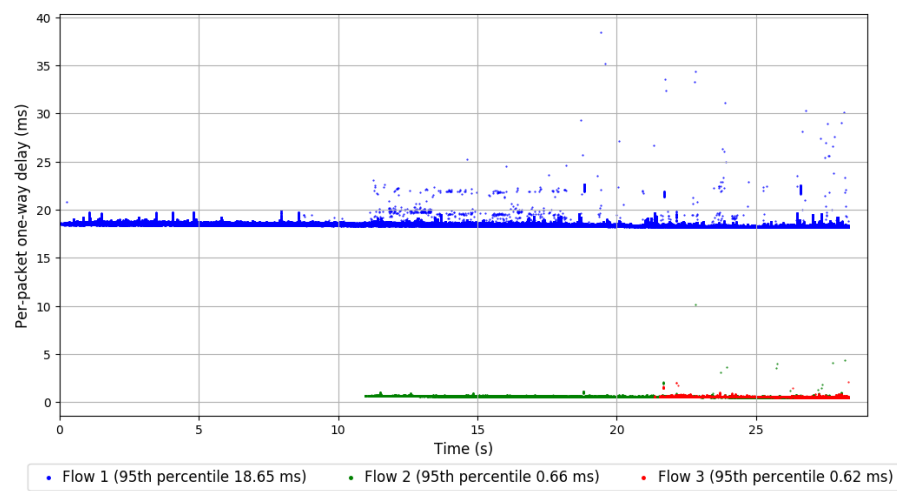
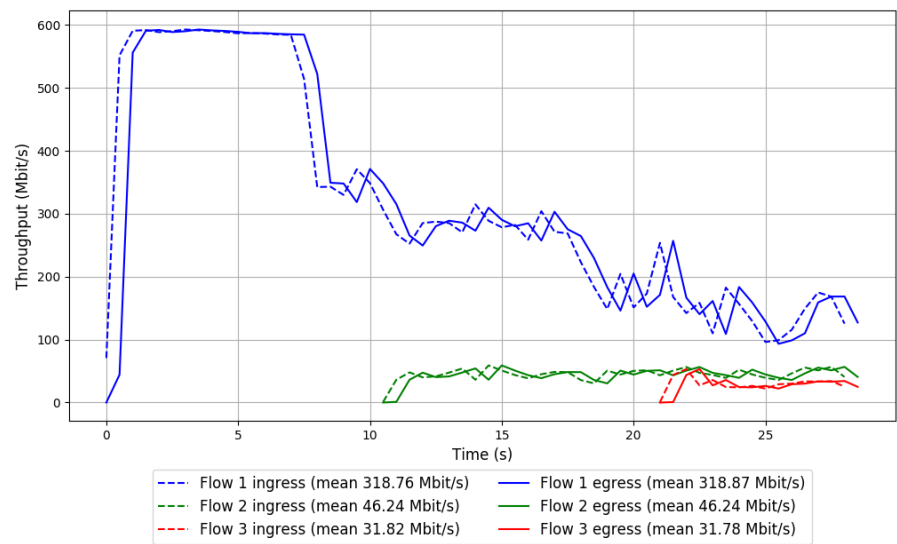


Run 5: Statistics of Indigo-MusesD

Start at: 2019-09-19 01:30:01
End at: 2019-09-19 01:30:31
Local clock offset: 0.051 ms
Remote clock offset: -0.009 ms

Below is generated by plot.py at 2019-09-19 02:29:29
Datalink statistics
-- Total of 3 flows:
Average throughput: 355.02 Mbit/s
95th percentile per-packet one-way delay: 18.642 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 318.87 Mbit/s
95th percentile per-packet one-way delay: 18.650 ms
Loss rate: 0.03%
-- Flow 2:
Average throughput: 46.24 Mbit/s
95th percentile per-packet one-way delay: 0.664 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 31.78 Mbit/s
95th percentile per-packet one-way delay: 0.618 ms
Loss rate: 0.11%

Run 5: Report of Indigo-MusesD — Data Link

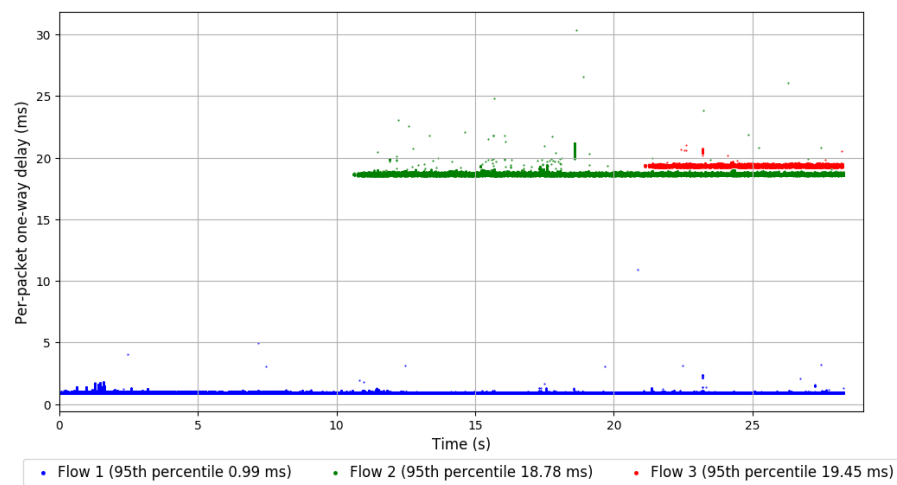
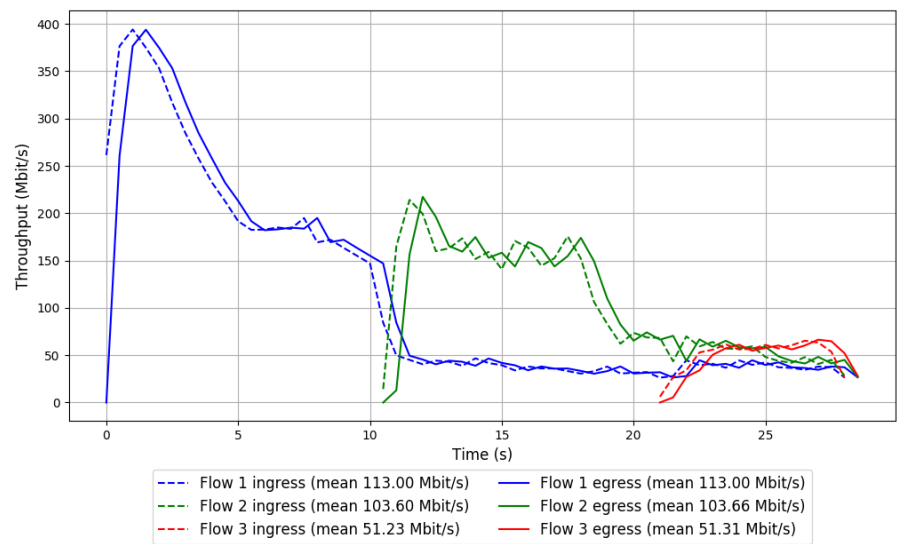


Run 1: Statistics of Indigo-MusesT

Start at: 2019-09-18 22:57:58
End at: 2019-09-18 22:58:28
Local clock offset: 0.117 ms
Remote clock offset: -0.173 ms

Below is generated by plot.py at 2019-09-19 02:29:29
Datalink statistics
-- Total of 3 flows:
Average throughput: 190.81 Mbit/s
95th percentile per-packet one-way delay: 19.299 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 113.00 Mbit/s
95th percentile per-packet one-way delay: 0.986 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 103.66 Mbit/s
95th percentile per-packet one-way delay: 18.778 ms
Loss rate: 0.07%
-- Flow 3:
Average throughput: 51.31 Mbit/s
95th percentile per-packet one-way delay: 19.452 ms
Loss rate: 0.15%

Run 1: Report of Indigo-MusesT — Data Link



Run 2: Statistics of Indigo-MusesT

Start at: 2019-09-18 23:33:05

End at: 2019-09-18 23:33:35

Local clock offset: -0.022 ms

Remote clock offset: 5.232 ms

Below is generated by plot.py at 2019-09-19 02:29:29

Datalink statistics

-- Total of 3 flows:

Average throughput: 189.26 Mbit/s

95th percentile per-packet one-way delay: 19.133 ms

Loss rate: 0.02%

-- Flow 1:

Average throughput: 133.25 Mbit/s

95th percentile per-packet one-way delay: 1.001 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 71.63 Mbit/s

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

Loss rate: 0.01%

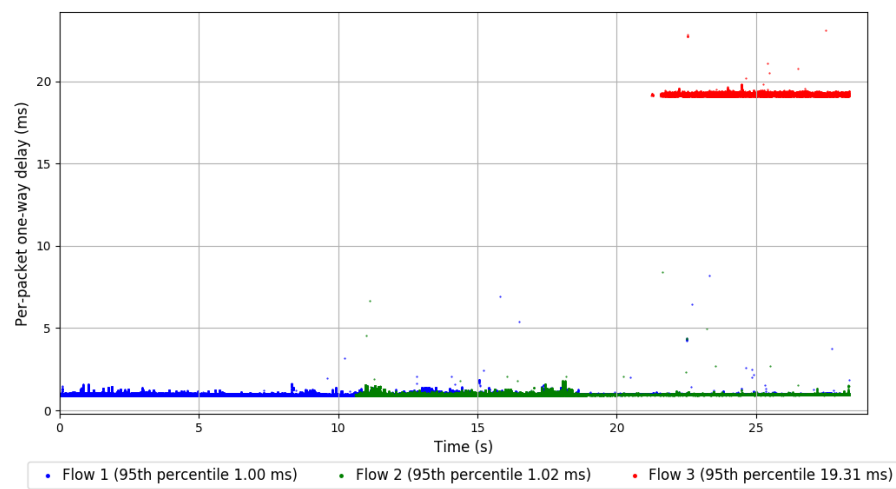
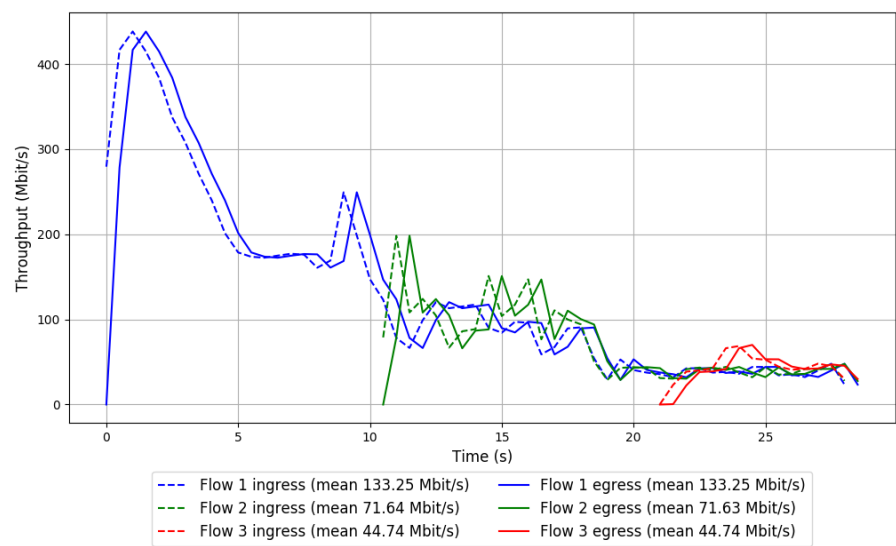
-- Flow 3:

Average throughput: 44.74 Mbit/s

95th percentile per-packet one-way delay: 19.309 ms

Loss rate: 0.26%

Run 2: Report of Indigo-MusesT — Data Link



Run 3: Statistics of Indigo-MusesT

Start at: 2019-09-19 00:08:16

End at: 2019-09-19 00:08:46

Local clock offset: 1.787 ms

Remote clock offset: 4.162 ms

Below is generated by plot.py at 2019-09-19 02:29:29

Datalink statistics

-- Total of 3 flows:

Average throughput: 190.20 Mbit/s

95th percentile per-packet one-way delay: 19.565 ms

Loss rate: 0.02%

-- Flow 1:

Average throughput: 134.94 Mbit/s

95th percentile per-packet one-way delay: 0.758 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 63.79 Mbit/s

95th percentile per-packet one-way delay: 0.682 ms

Loss rate: 0.00%

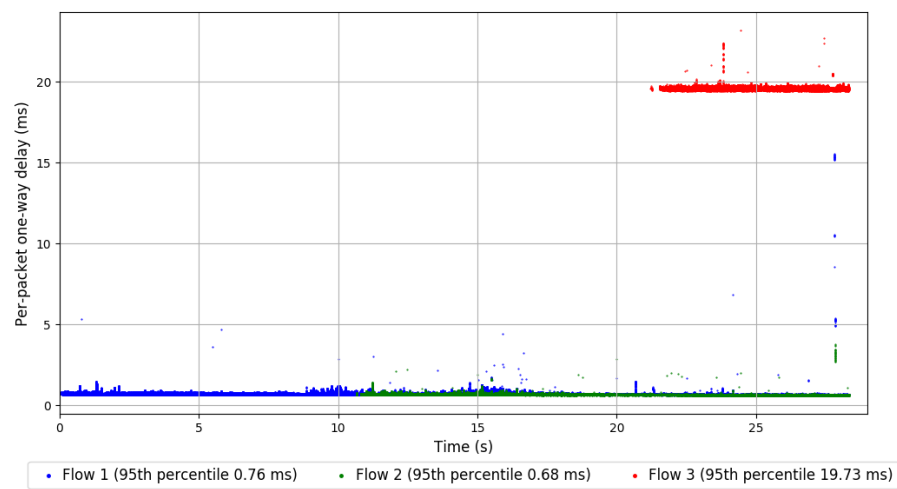
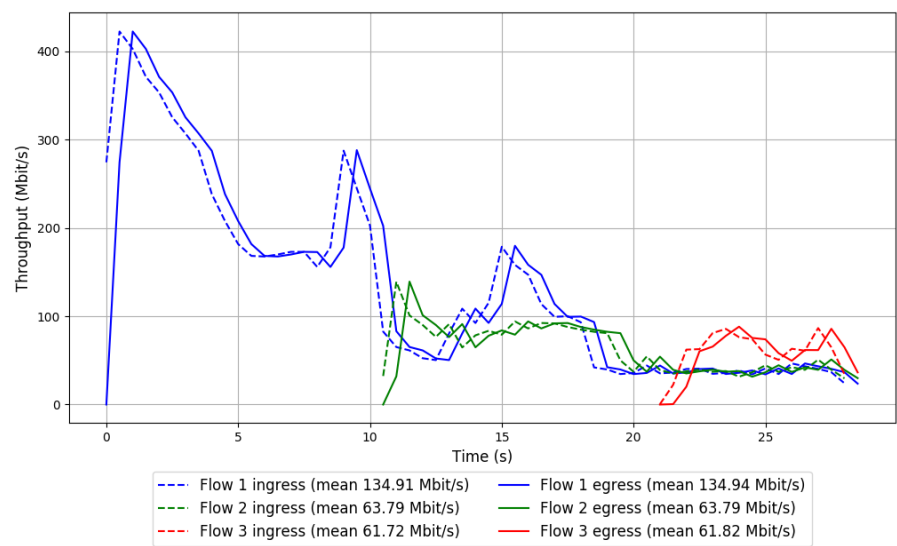
-- Flow 3:

Average throughput: 61.82 Mbit/s

95th percentile per-packet one-way delay: 19.734 ms

Loss rate: 0.20%

Run 3: Report of Indigo-MusesT — Data Link



Run 4: Statistics of Indigo-MusesT

Start at: 2019-09-19 00:43:41

End at: 2019-09-19 00:44:11

Local clock offset: -2.313 ms

Remote clock offset: 3.345 ms

Below is generated by plot.py at 2019-09-19 02:29:29

Datalink statistics

-- Total of 3 flows:

Average throughput: 189.82 Mbit/s

95th percentile per-packet one-way delay: 19.256 ms

Loss rate: 0.04%

-- Flow 1:

Average throughput: 119.53 Mbit/s

95th percentile per-packet one-way delay: 1.109 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 96.68 Mbit/s

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

Loss rate: 0.06%

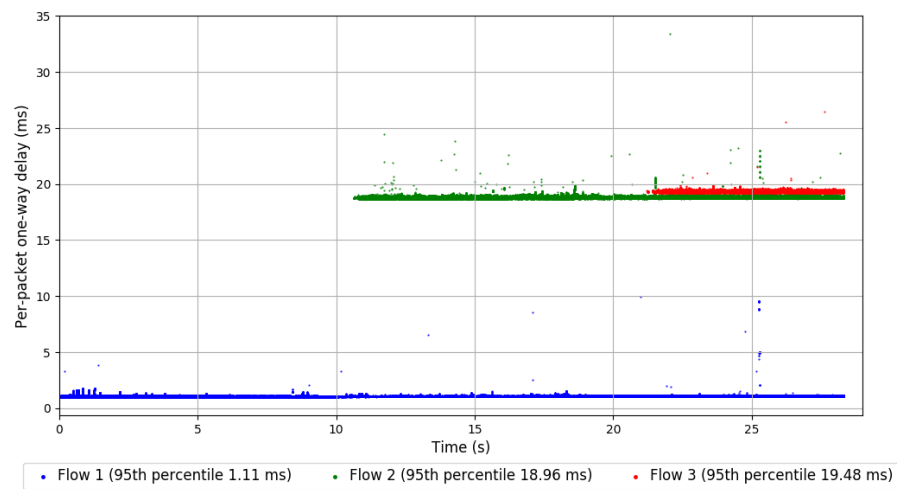
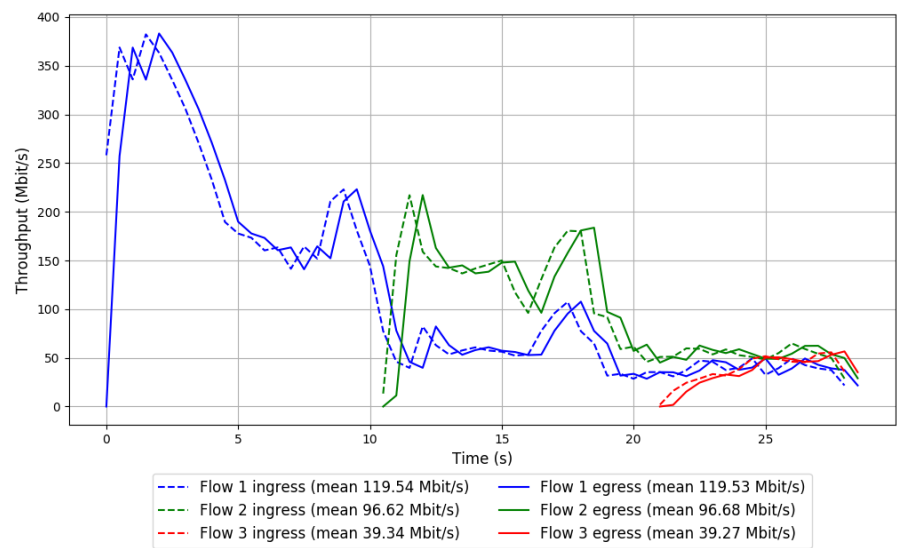
-- Flow 3:

Average throughput: 39.27 Mbit/s

95th percentile per-packet one-way delay: 19.482 ms

Loss rate: 0.43%

Run 4: Report of Indigo-MusesT — Data Link



Run 5: Statistics of Indigo-MusesT

Start at: 2019-09-19 01:18:54

End at: 2019-09-19 01:19:24

Local clock offset: -0.363 ms

Remote clock offset: 2.721 ms

Below is generated by plot.py at 2019-09-19 02:29:29

Datalink statistics

-- Total of 3 flows:

Average throughput: 269.45 Mbit/s

95th percentile per-packet one-way delay: 19.880 ms

Loss rate: 0.01%

-- Flow 1:

Average throughput: 223.87 Mbit/s

95th percentile per-packet one-way delay: 19.890 ms

Loss rate: 0.01%

-- Flow 2:

Average throughput: 56.96 Mbit/s

95th percentile per-packet one-way delay: 0.796 ms

Loss rate: 0.00%

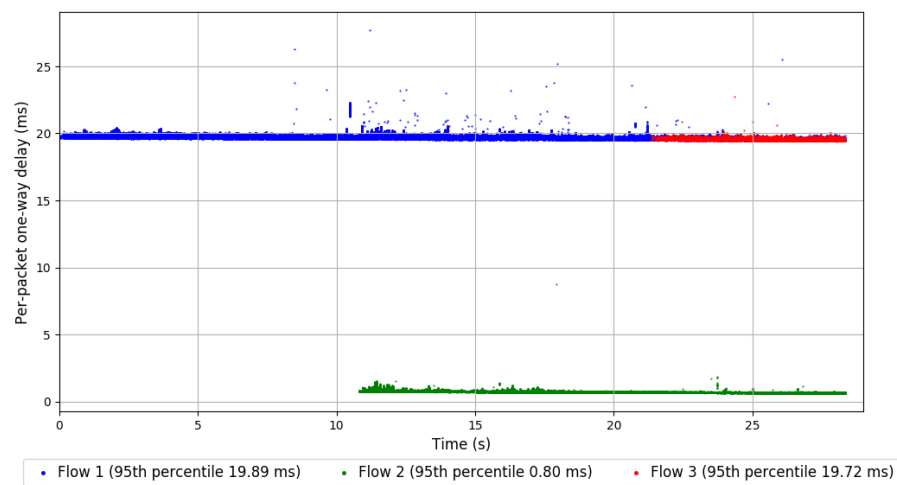
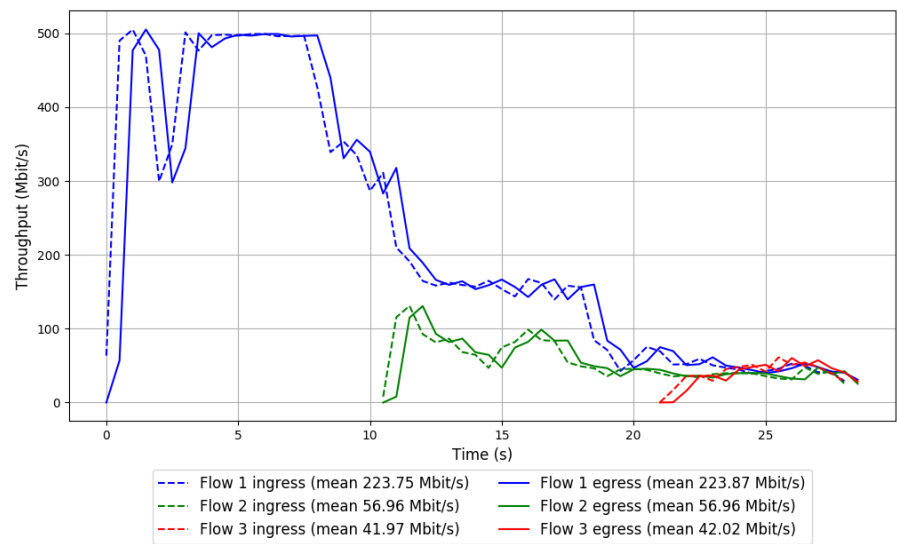
-- Flow 3:

Average throughput: 42.02 Mbit/s

95th percentile per-packet one-way delay: 19.716 ms

Loss rate: 0.25%

Run 5: Report of Indigo-MusesT — Data Link

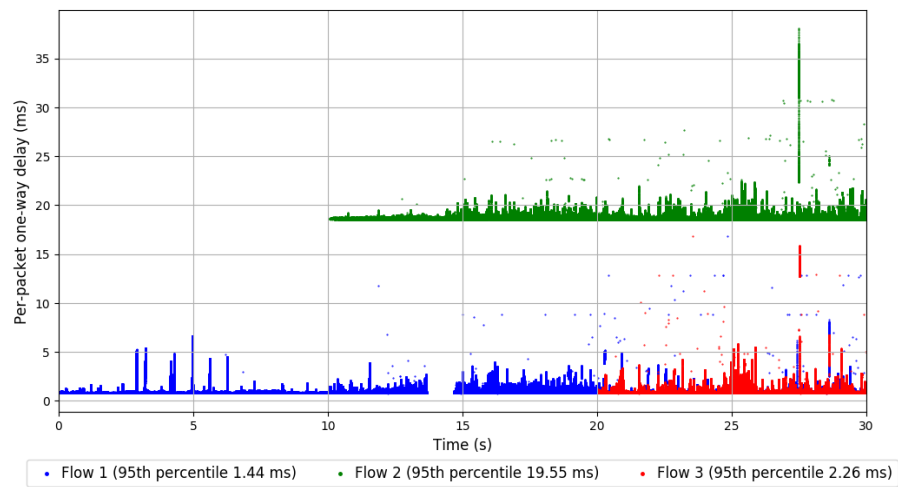
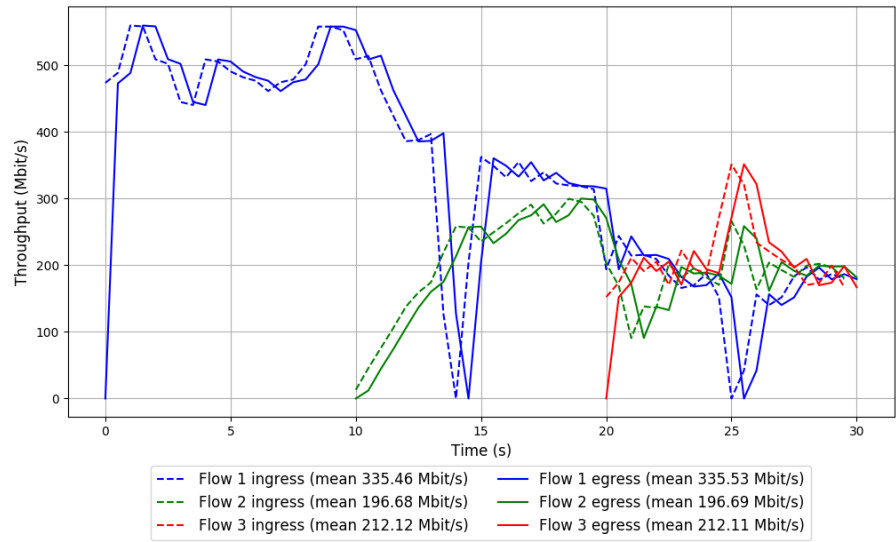


Run 1: Statistics of LEDBAT

Start at: 2019-09-18 23:00:46
End at: 2019-09-18 23:01:16
Local clock offset: 0.032 ms
Remote clock offset: -0.134 ms

Below is generated by plot.py at 2019-09-19 02:33:22
Datalink statistics
-- Total of 3 flows:
Average throughput: 536.69 Mbit/s
95th percentile per-packet one-way delay: 18.845 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 335.53 Mbit/s
95th percentile per-packet one-way delay: 1.436 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 196.69 Mbit/s
95th percentile per-packet one-way delay: 19.552 ms
Loss rate: 0.09%
-- Flow 3:
Average throughput: 212.11 Mbit/s
95th percentile per-packet one-way delay: 2.257 ms
Loss rate: 0.02%

Run 1: Report of LEDBAT — Data Link



Run 2: Statistics of LEDBAT

Start at: 2019-09-18 23:35:59

End at: 2019-09-18 23:36:29

Local clock offset: -0.029 ms

Remote clock offset: 5.42 ms

Below is generated by plot.py at 2019-09-19 02:33:22

Datalink statistics

-- Total of 3 flows:

Average throughput: 464.23 Mbit/s

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

Loss rate: 0.01%

-- Flow 1:

Average throughput: 247.00 Mbit/s

95th percentile per-packet one-way delay: 20.620 ms

Loss rate: 0.01%

-- Flow 2:

Average throughput: 222.90 Mbit/s

95th percentile per-packet one-way delay: 3.469 ms

Loss rate: 0.01%

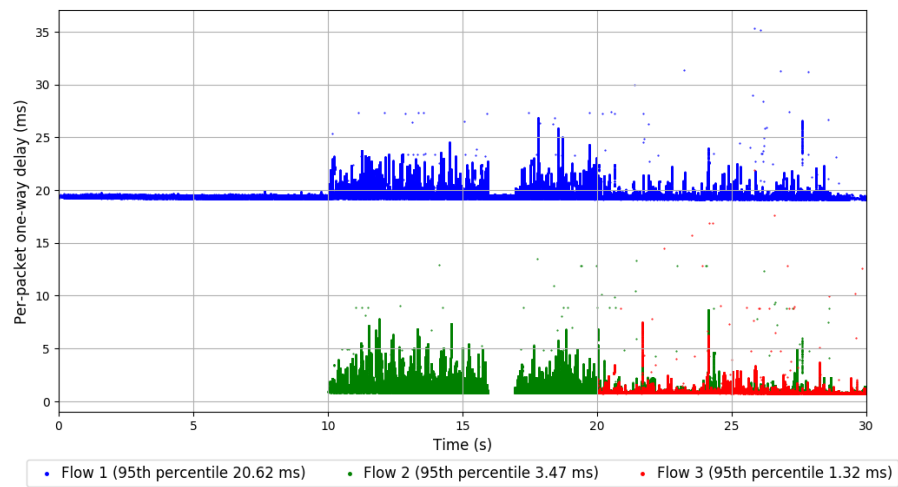
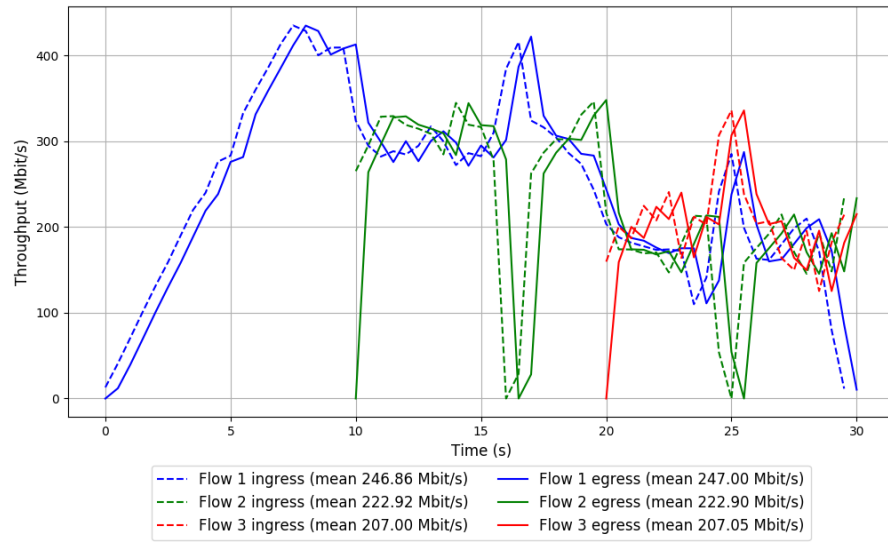
-- Flow 3:

Average throughput: 207.05 Mbit/s

95th percentile per-packet one-way delay: 1.325 ms

Loss rate: 0.00%

Run 2: Report of LEDBAT — Data Link



Run 3: Statistics of LEDBAT

Start at: 2019-09-19 00:11:10

End at: 2019-09-19 00:11:40

Local clock offset: 2.279 ms

Remote clock offset: 3.951 ms

Below is generated by plot.py at 2019-09-19 02:33:24

Datalink statistics

-- Total of 3 flows:

Average throughput: 463.81 Mbit/s

95th percentile per-packet one-way delay: 20.079 ms

Loss rate: 0.09%

-- Flow 1:

Average throughput: 260.93 Mbit/s

95th percentile per-packet one-way delay: 20.282 ms

Loss rate: 0.05%

-- Flow 2:

Average throughput: 224.52 Mbit/s

95th percentile per-packet one-way delay: 18.781 ms

Loss rate: 0.14%

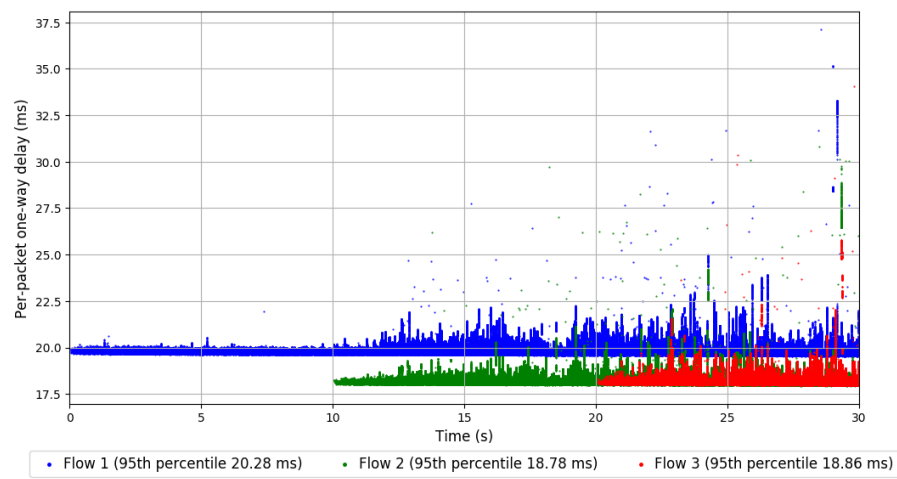
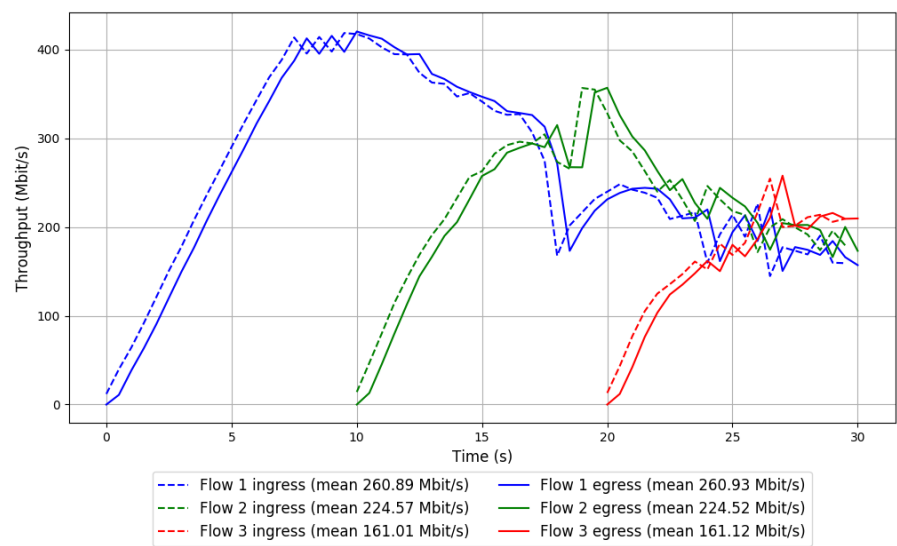
-- Flow 3:

Average throughput: 161.12 Mbit/s

95th percentile per-packet one-way delay: 18.864 ms

Loss rate: 0.12%

Run 3: Report of LEDBAT — Data Link



Run 4: Statistics of LEDBAT

Start at: 2019-09-19 00:46:34

End at: 2019-09-19 00:47:04

Local clock offset: -2.829 ms

Remote clock offset: 3.165 ms

Below is generated by plot.py at 2019-09-19 02:33:27

Datalink statistics

-- Total of 3 flows:

Average throughput: 467.67 Mbit/s

95th percentile per-packet one-way delay: 20.138 ms

Loss rate: 0.10%

-- Flow 1:

Average throughput: 276.02 Mbit/s

95th percentile per-packet one-way delay: 20.052 ms

Loss rate: 0.06%

-- Flow 2:

Average throughput: 211.04 Mbit/s

95th percentile per-packet one-way delay: 20.250 ms

Loss rate: 0.14%

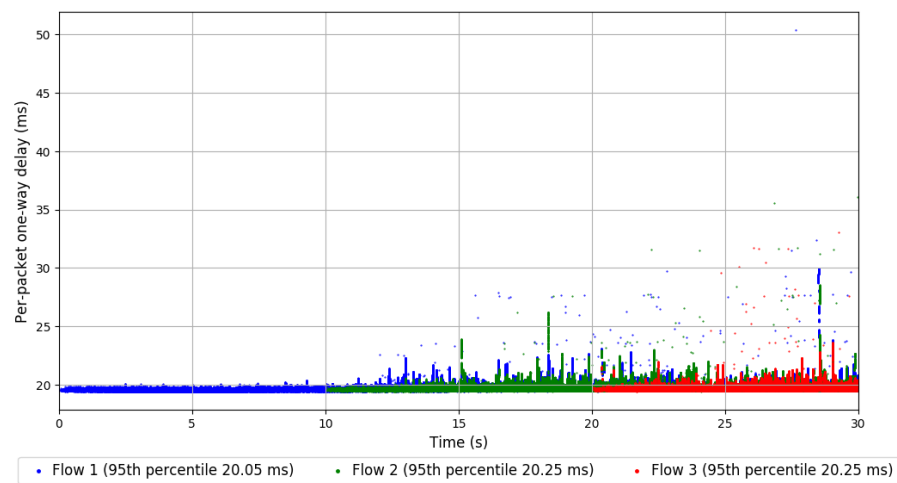
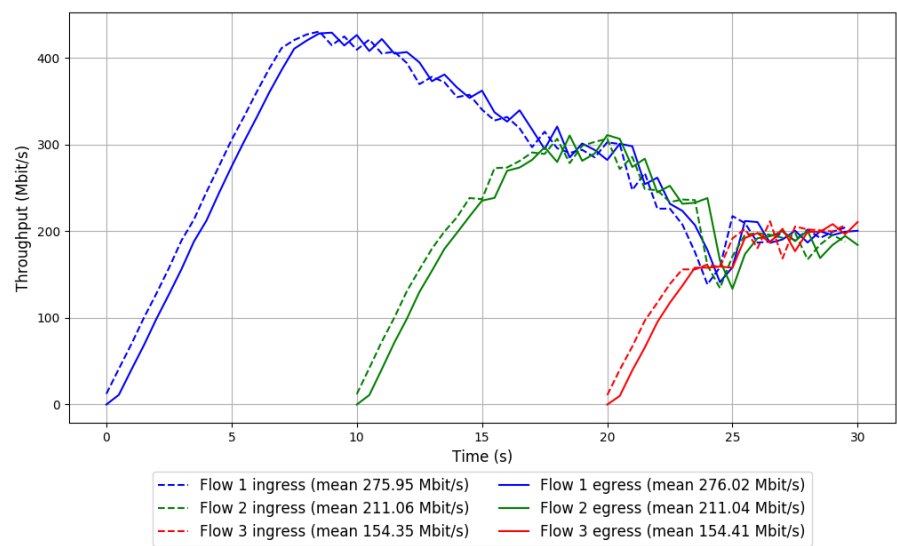
-- Flow 3:

Average throughput: 154.41 Mbit/s

95th percentile per-packet one-way delay: 20.247 ms

Loss rate: 0.17%

Run 4: Report of LEDBAT — Data Link



Run 5: Statistics of LEDBAT

Start at: 2019-09-19 01:21:47

End at: 2019-09-19 01:22:17

Local clock offset: -0.201 ms

Remote clock offset: 1.805 ms

Below is generated by plot.py at 2019-09-19 02:33:50

Datalink statistics

-- Total of 3 flows:

Average throughput: 467.41 Mbit/s

95th percentile per-packet one-way delay: 19.249 ms

Loss rate: 0.07%

-- Flow 1:

Average throughput: 267.47 Mbit/s

95th percentile per-packet one-way delay: 19.393 ms

Loss rate: 0.06%

-- Flow 2:

Average throughput: 196.97 Mbit/s

95th percentile per-packet one-way delay: 19.139 ms

Loss rate: 0.11%

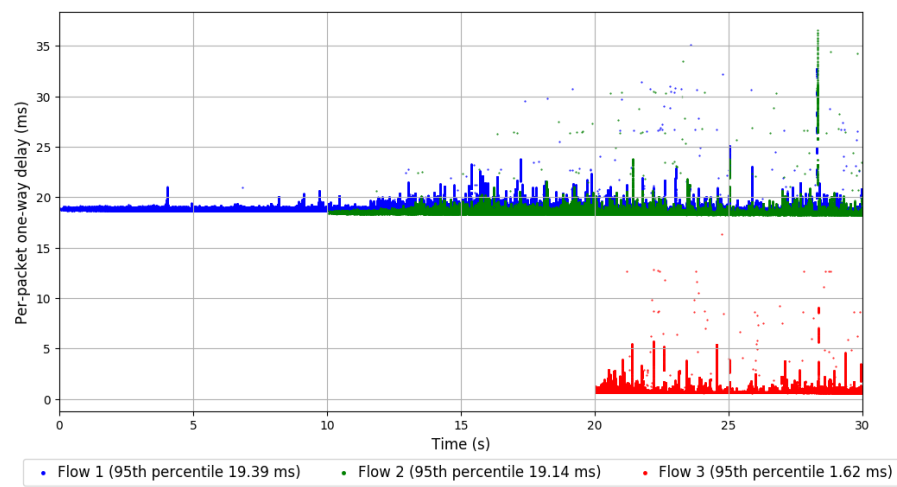
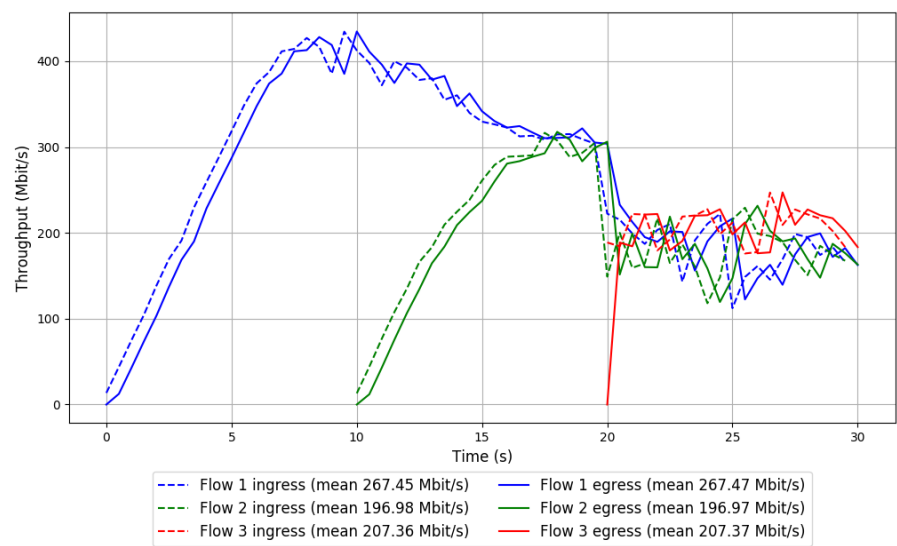
-- Flow 3:

Average throughput: 207.37 Mbit/s

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

Loss rate: 0.01%

Run 5: Report of LEDBAT — Data Link



Run 1: Statistics of Muses_DecisionTree

Start at: 2019-09-18 23:10:19

End at: 2019-09-18 23:10:49

Local clock offset: 0.041 ms

Remote clock offset: 2.357 ms

Below is generated by plot.py at 2019-09-19 02:33:50

Datalink statistics

-- Total of 3 flows:

Average throughput: 159.33 Mbit/s

95th percentile per-packet one-way delay: 19.497 ms

Loss rate: 0.03%

-- Flow 1:

Average throughput: 125.28 Mbit/s

95th percentile per-packet one-way delay: 19.133 ms

Loss rate: 0.01%

-- Flow 2:

Average throughput: 46.41 Mbit/s

95th percentile per-packet one-way delay: 19.581 ms

Loss rate: 0.10%

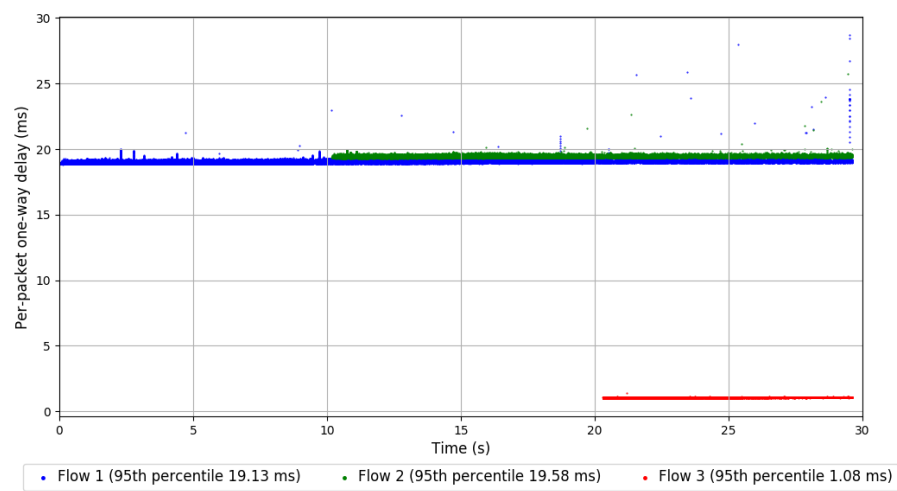
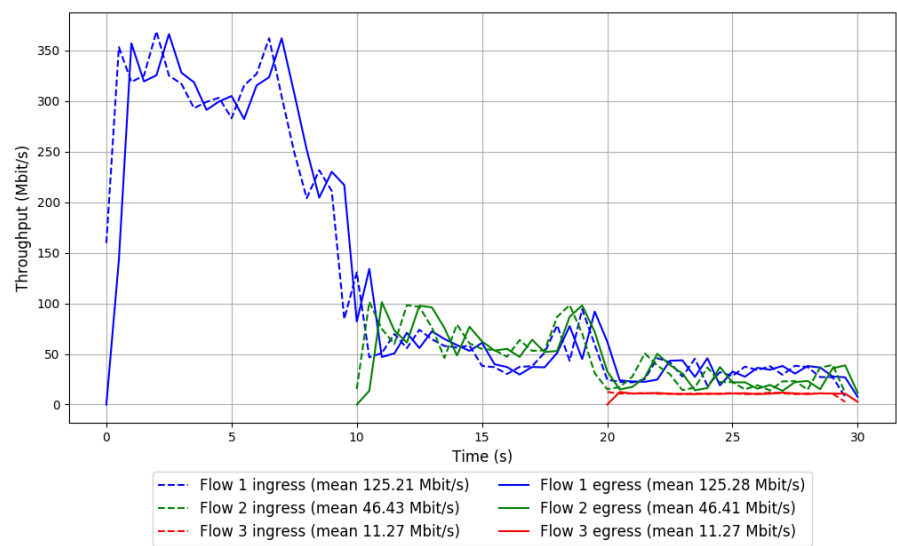
-- Flow 3:

Average throughput: 11.27 Mbit/s

95th percentile per-packet one-way delay: 1.082 ms

Loss rate: 0.01%

Run 1: Report of Muses_DecisionTree — Data Link



Run 2: Statistics of Muses_DecisionTree

Start at: 2019-09-18 23:45:28

End at: 2019-09-18 23:45:58

Local clock offset: -0.092 ms

Remote clock offset: 4.045 ms

Below is generated by plot.py at 2019-09-19 02:33:50

Datalink statistics

-- Total of 3 flows:

Average throughput: 169.85 Mbit/s

95th percentile per-packet one-way delay: 18.715 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 158.44 Mbit/s

95th percentile per-packet one-way delay: 18.717 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 11.84 Mbit/s

95th percentile per-packet one-way delay: 0.895 ms

Loss rate: 0.01%

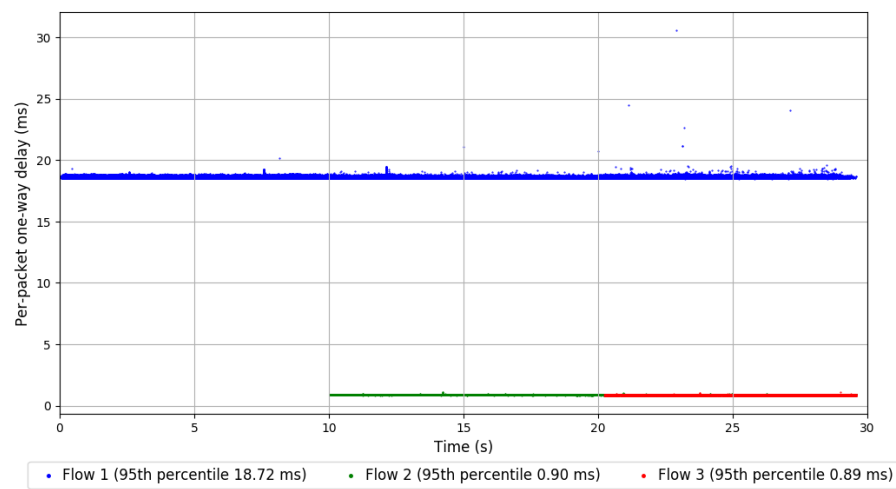
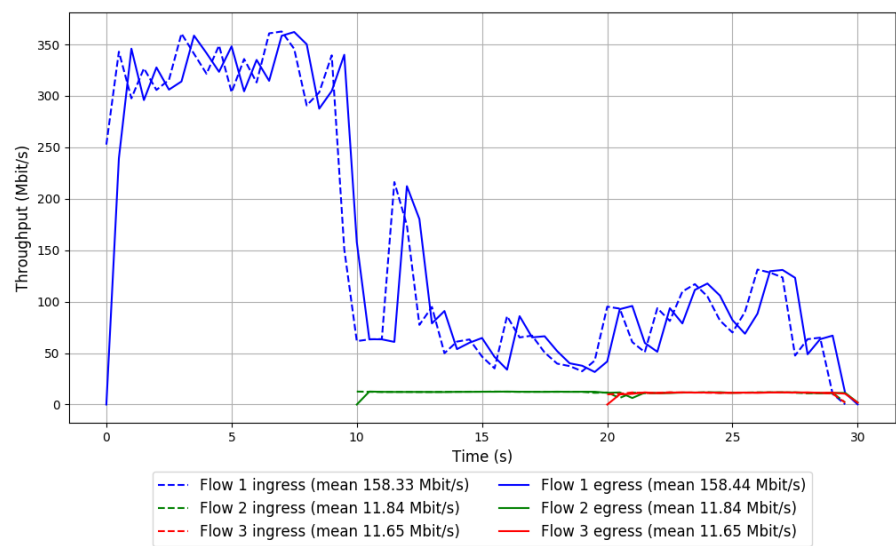
-- Flow 3:

Average throughput: 11.65 Mbit/s

95th percentile per-packet one-way delay: 0.888 ms

Loss rate: 0.02%

Run 2: Report of Muses_DecisionTree — Data Link



Run 3: Statistics of Muses_DecisionTree

Start at: 2019-09-19 00:20:34

End at: 2019-09-19 00:21:04

Local clock offset: 3.153 ms

Remote clock offset: 3.302 ms

Below is generated by plot.py at 2019-09-19 02:33:50

Datalink statistics

-- Total of 3 flows:

Average throughput: 144.64 Mbit/s

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

Loss rate: 0.05%

-- Flow 1:

Average throughput: 12.45 Mbit/s

95th percentile per-packet one-way delay: 0.917 ms

Loss rate: 0.01%

-- Flow 2:

Average throughput: 194.34 Mbit/s

95th percentile per-packet one-way delay: 19.400 ms

Loss rate: 0.06%

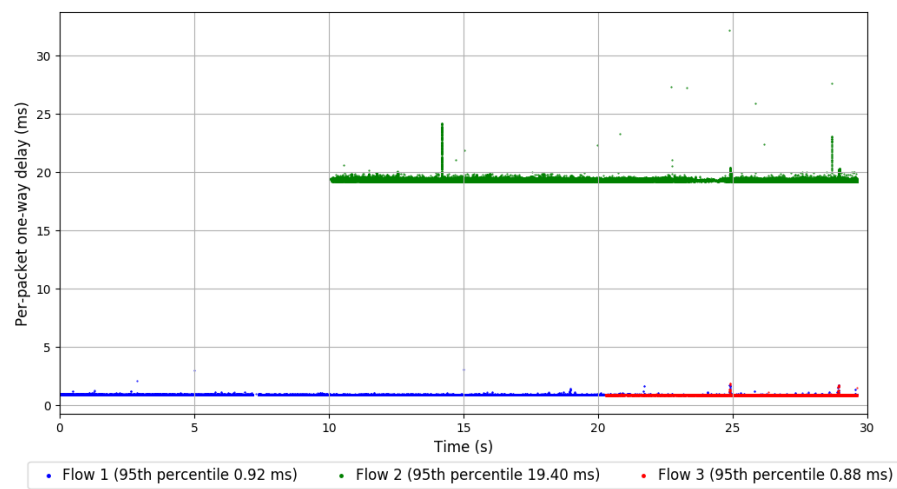
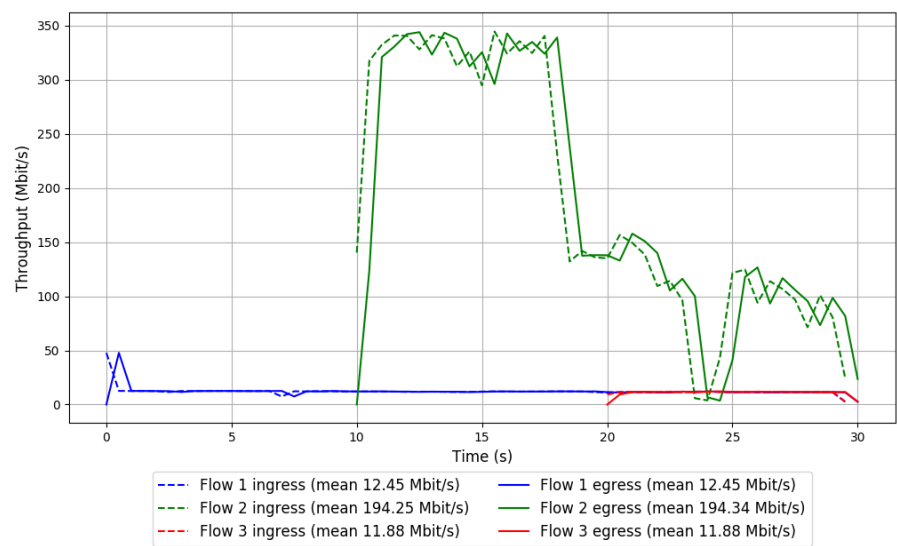
-- Flow 3:

Average throughput: 11.88 Mbit/s

95th percentile per-packet one-way delay: 0.879 ms

Loss rate: 0.01%

Run 3: Report of Muses_DecisionTree — Data Link



Run 4: Statistics of Muses_DecisionTree

Start at: 2019-09-19 00:55:58

End at: 2019-09-19 00:56:28

Local clock offset: -4.162 ms

Remote clock offset: 2.941 ms

Below is generated by plot.py at 2019-09-19 02:33:50

Datalink statistics

-- Total of 3 flows:

Average throughput: 183.28 Mbit/s

95th percentile per-packet one-way delay: 20.091 ms

Loss rate: 0.03%

-- Flow 1:

Average throughput: 171.62 Mbit/s

95th percentile per-packet one-way delay: 20.095 ms

Loss rate: 0.03%

-- Flow 2:

Average throughput: 12.06 Mbit/s

95th percentile per-packet one-way delay: 1.055 ms

Loss rate: 0.01%

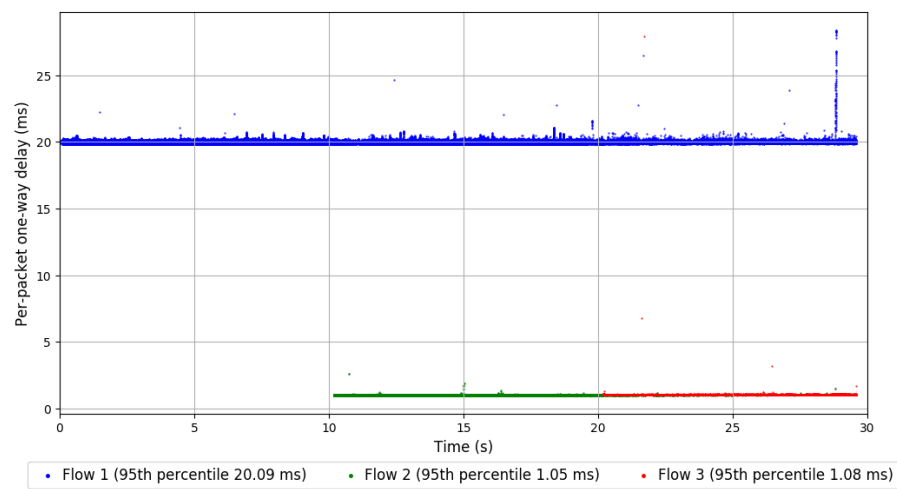
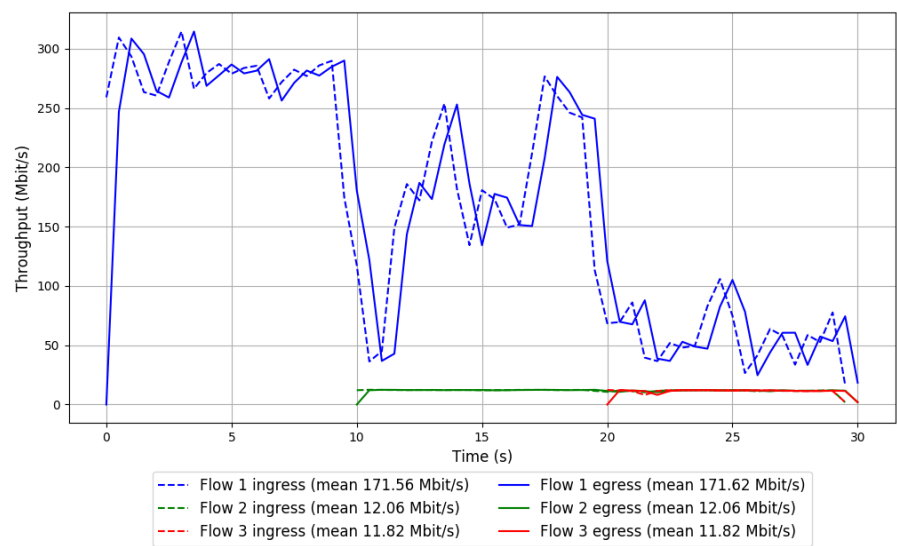
-- Flow 3:

Average throughput: 11.82 Mbit/s

95th percentile per-packet one-way delay: 1.078 ms

Loss rate: 0.01%

Run 4: Report of Muses_DecisionTree — Data Link

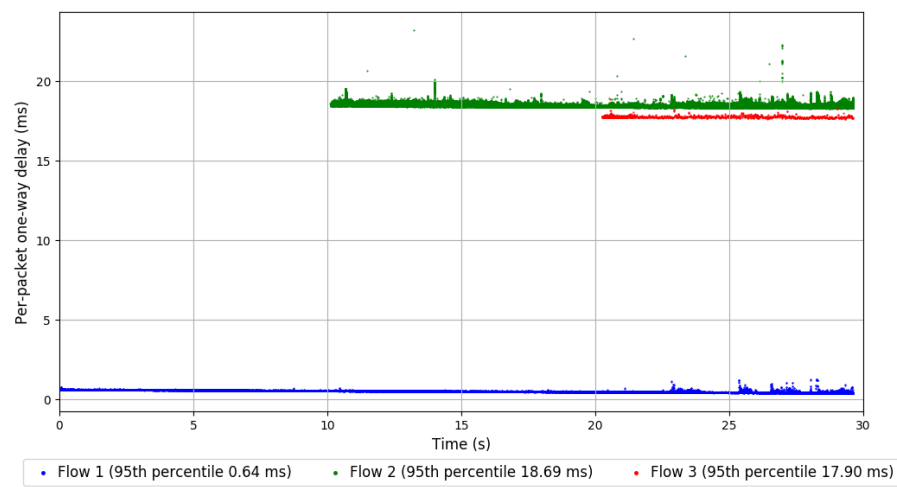
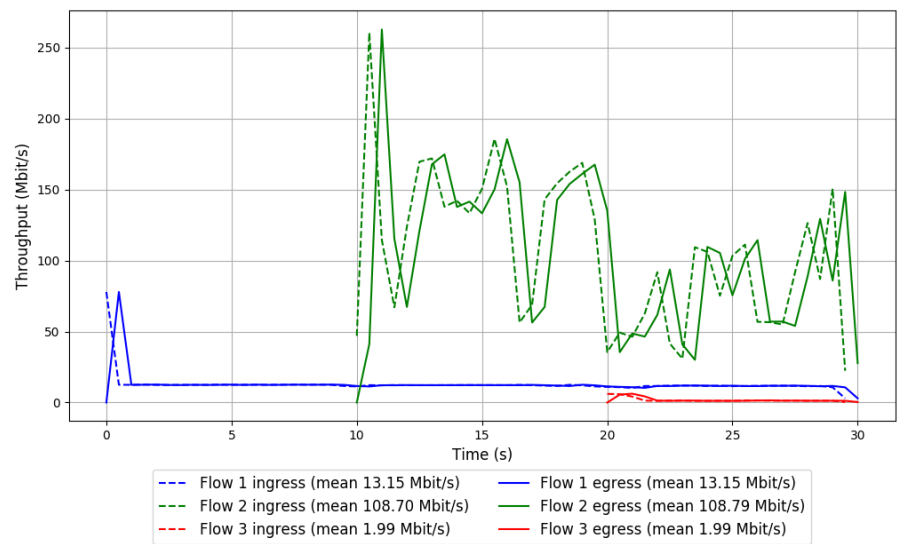


Run 5: Statistics of Muses_DecisionTree

Start at: 2019-09-19 01:31:28
End at: 2019-09-19 01:31:58
Local clock offset: 0.42 ms
Remote clock offset: -0.219 ms

Below is generated by plot.py at 2019-09-19 02:33:50
Datalink statistics
-- Total of 3 flows:
Average throughput: 85.48 Mbit/s
95th percentile per-packet one-way delay: 18.675 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 13.15 Mbit/s
95th percentile per-packet one-way delay: 0.637 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 108.79 Mbit/s
95th percentile per-packet one-way delay: 18.687 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 1.99 Mbit/s
95th percentile per-packet one-way delay: 17.896 ms
Loss rate: 0.19%

Run 5: Report of Muses_DecisionTree — Data Link



Run 1: Statistics of Muses_DecisionTreeH0

Start at: 2019-09-18 23:05:13

End at: 2019-09-18 23:05:43

Local clock offset: 0.028 ms

Remote clock offset: 1.062 ms

Below is generated by plot.py at 2019-09-19 02:33:50

Datalink statistics

-- Total of 3 flows:

Average throughput: 27.51 Mbit/s

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

Loss rate: 0.01%

-- Flow 1:

Average throughput: 13.84 Mbit/s

95th percentile per-packet one-way delay: 1.104 ms

Loss rate: 0.01%

-- Flow 2:

Average throughput: 14.54 Mbit/s

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

Loss rate: 0.00%

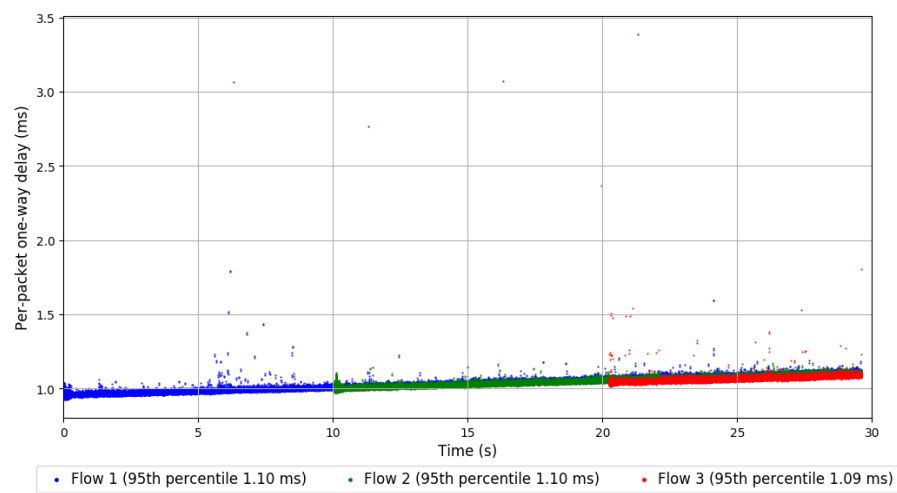
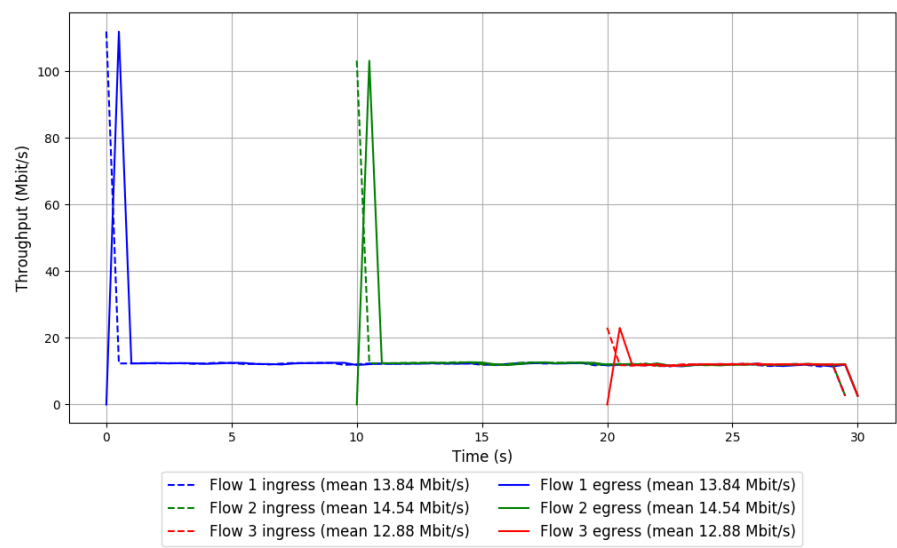
-- Flow 3:

Average throughput: 12.88 Mbit/s

95th percentile per-packet one-way delay: 1.095 ms

Loss rate: 0.01%

Run 1: Report of Muses_DecisionTreeH0 — Data Link



Run 2: Statistics of Muses_DecisionTreeH0

Start at: 2019-09-18 23:40:21

End at: 2019-09-18 23:40:51

Local clock offset: -0.041 ms

Remote clock offset: 4.516 ms

Below is generated by plot.py at 2019-09-19 02:33:50

Datalink statistics

-- Total of 3 flows:

Average throughput: 25.02 Mbit/s

95th percentile per-packet one-way delay: 0.940 ms

Loss rate: 0.01%

-- Flow 1:

Average throughput: 12.88 Mbit/s

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

Loss rate: 0.01%

-- Flow 2:

Average throughput: 12.46 Mbit/s

95th percentile per-packet one-way delay: 0.937 ms

Loss rate: 0.01%

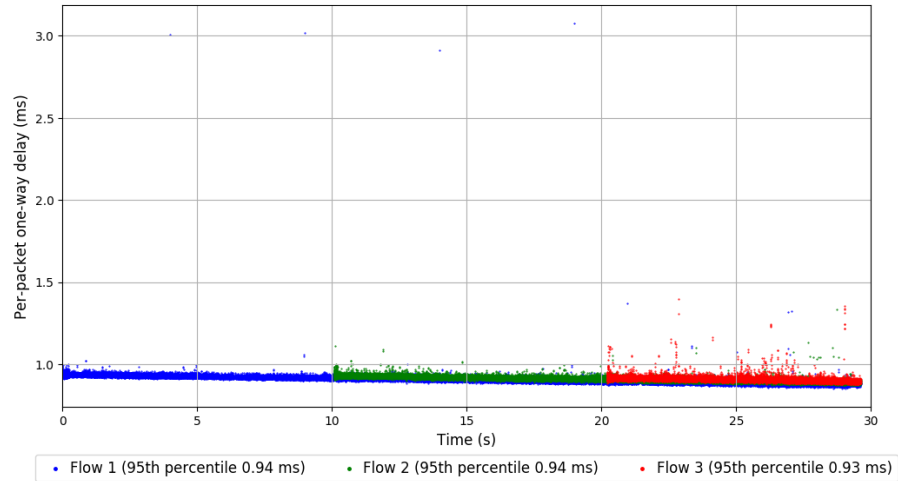
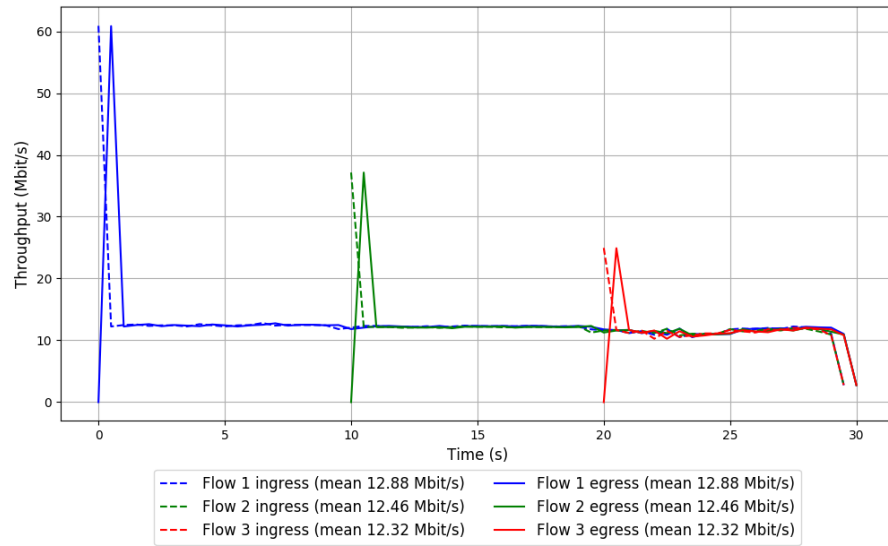
-- Flow 3:

Average throughput: 12.32 Mbit/s

95th percentile per-packet one-way delay: 0.934 ms

Loss rate: 0.02%

Run 2: Report of Muses_DecisionTreeH0 — Data Link



Run 3: Statistics of Muses_DecisionTreeH0

Start at: 2019-09-19 00:15:27

End at: 2019-09-19 00:15:57

Local clock offset: 2.752 ms

Remote clock offset: 3.643 ms

Below is generated by plot.py at 2019-09-19 02:33:50

Datalink statistics

-- Total of 3 flows:

Average throughput: 49.58 Mbit/s

95th percentile per-packet one-way delay: 19.052 ms

Loss rate: 0.05%

-- Flow 1:

Average throughput: 12.58 Mbit/s

95th percentile per-packet one-way delay: 0.777 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 12.41 Mbit/s

95th percentile per-packet one-way delay: 0.764 ms

Loss rate: 0.00%

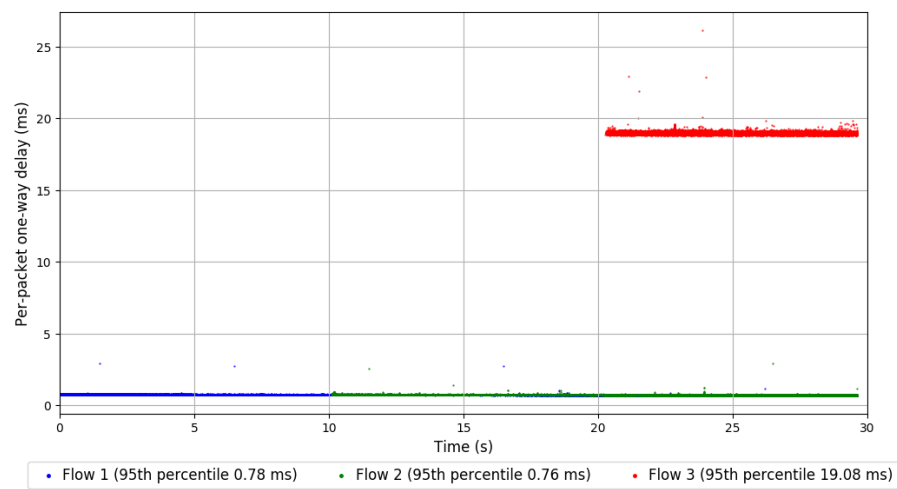
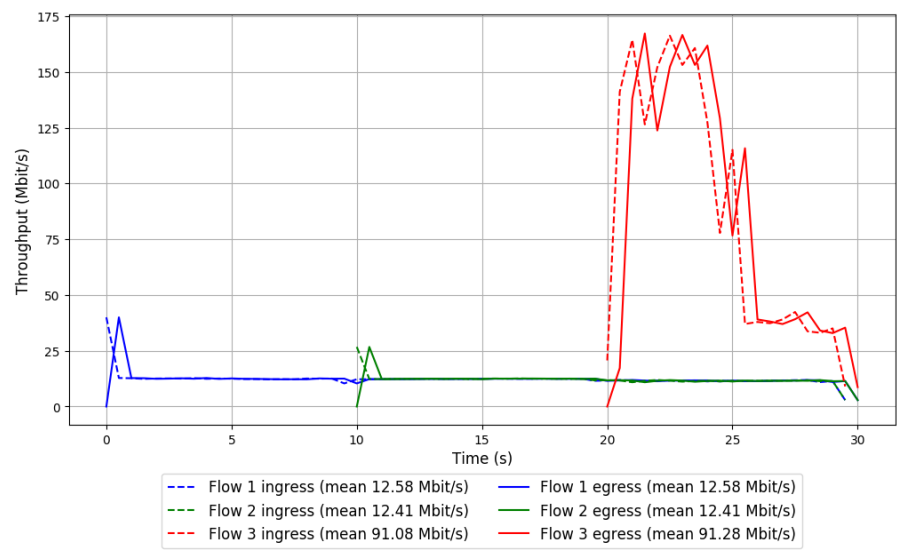
-- Flow 3:

Average throughput: 91.28 Mbit/s

95th percentile per-packet one-way delay: 19.077 ms

Loss rate: 0.08%

Run 3: Report of Muses_DecisionTreeH0 — Data Link



Run 4: Statistics of Muses_DecisionTreeH0

Start at: 2019-09-19 00:50:52

End at: 2019-09-19 00:51:22

Local clock offset: -3.567 ms

Remote clock offset: 3.063 ms

Below is generated by plot.py at 2019-09-19 02:33:50

Datalink statistics

-- Total of 3 flows:

Average throughput: 24.20 Mbit/s

95th percentile per-packet one-way delay: 1.046 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 12.40 Mbit/s

95th percentile per-packet one-way delay: 1.028 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 12.21 Mbit/s

95th percentile per-packet one-way delay: 1.045 ms

Loss rate: 0.01%

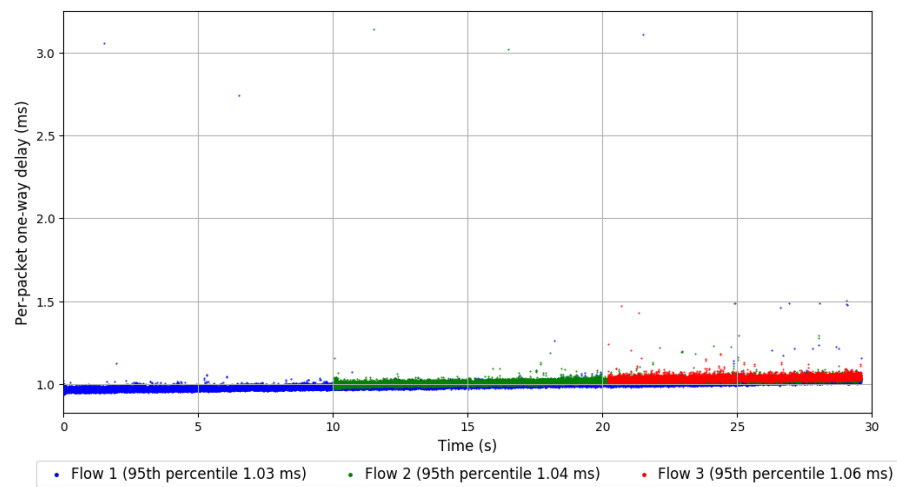
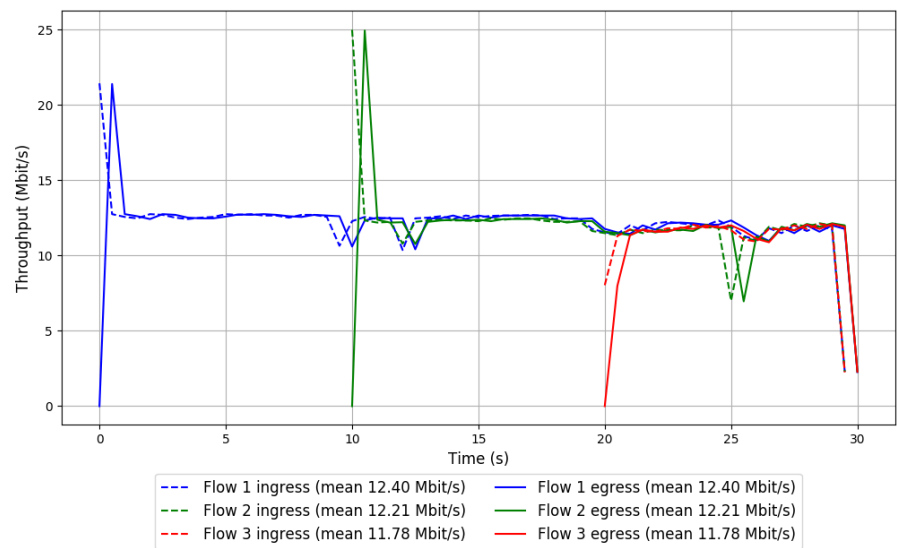
-- Flow 3:

Average throughput: 11.78 Mbit/s

95th percentile per-packet one-way delay: 1.058 ms

Loss rate: 0.00%

Run 4: Report of Muses_DecisionTreeH0 — Data Link



Run 5: Statistics of Muses_DecisionTreeH0

Start at: 2019-09-19 01:26:11

End at: 2019-09-19 01:26:41

Local clock offset: -0.033 ms

Remote clock offset: 0.646 ms

Below is generated by plot.py at 2019-09-19 02:33:55

Datalink statistics

-- Total of 3 flows:

Average throughput: 109.82 Mbit/s

95th percentile per-packet one-way delay: 18.708 ms

Loss rate: 0.06%

-- Flow 1:

Average throughput: 13.67 Mbit/s

95th percentile per-packet one-way delay: 0.900 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 129.28 Mbit/s

95th percentile per-packet one-way delay: 18.713 ms

Loss rate: 0.07%

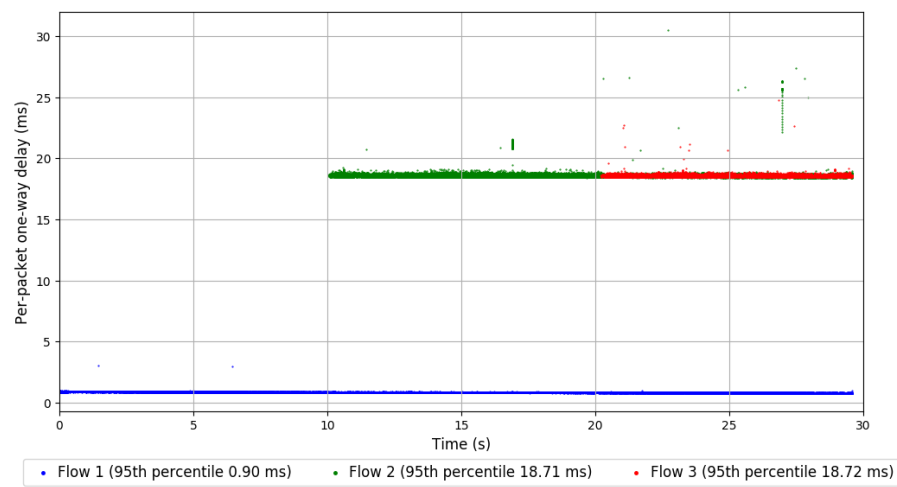
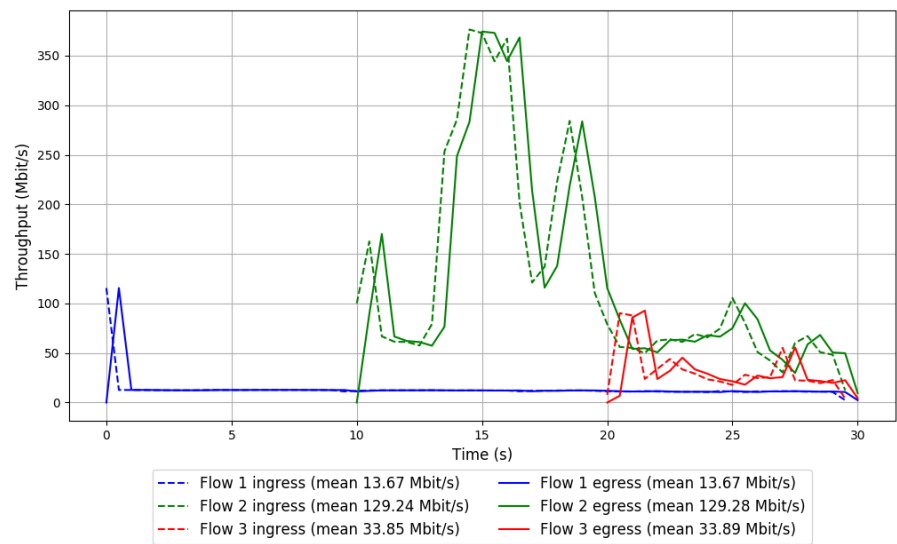
-- Flow 3:

Average throughput: 33.89 Mbit/s

95th percentile per-packet one-way delay: 18.718 ms

Loss rate: 0.09%

Run 5: Report of Muses_DecisionTreeH0 — Data Link

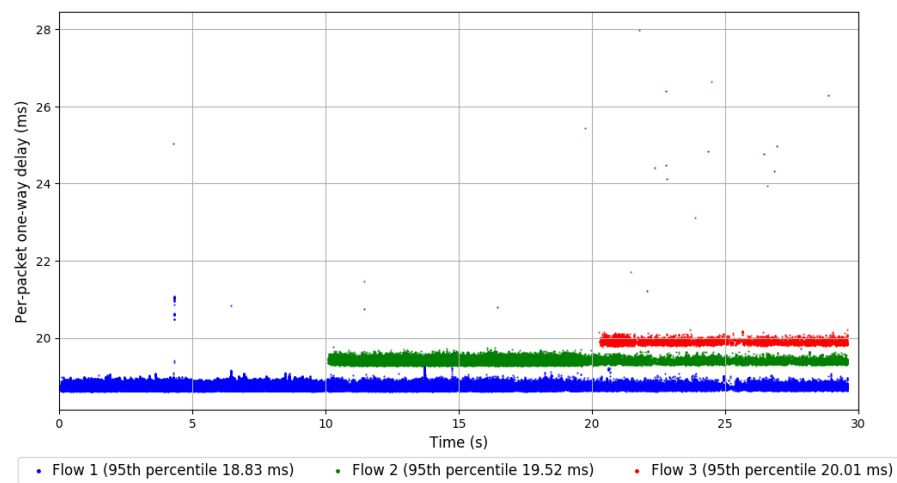
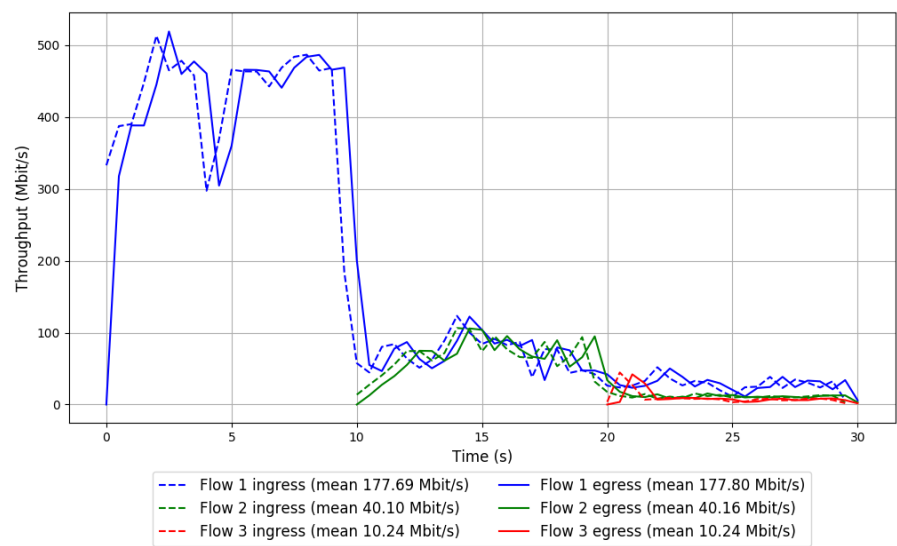


```
Run 1: Statistics of Muses\_DecisionTreeR0

Start at: 2019-09-18 22:46:03
End at: 2019-09-18 22:46:33
Local clock offset: 0.787 ms
Remote clock offset: 0.099 ms

# Below is generated by plot.py at 2019-09-19 02:35:13
# Datalink statistics
-- Total of 3 flows:
Average throughput: 207.48 Mbit/s
95th percentile per-packet one-way delay: 19.438 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 177.80 Mbit/s
95th percentile per-packet one-way delay: 18.834 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 40.16 Mbit/s
95th percentile per-packet one-way delay: 19.520 ms
Loss rate: 0.04%
-- Flow 3:
Average throughput: 10.24 Mbit/s
95th percentile per-packet one-way delay: 20.013 ms
Loss rate: 0.28%
```

Run 1: Report of Muses_DecisionTreeR0 — Data Link



Run 2: Statistics of Muses_DecisionTreeR0

Start at: 2019-09-18 23:21:15

End at: 2019-09-18 23:21:45

Local clock offset: 0.033 ms

Remote clock offset: 4.122 ms

Below is generated by plot.py at 2019-09-19 02:35:40

Datalink statistics

-- Total of 3 flows:

Average throughput: 254.61 Mbit/s

95th percentile per-packet one-way delay: 18.710 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 242.91 Mbit/s

95th percentile per-packet one-way delay: 18.712 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 12.02 Mbit/s

95th percentile per-packet one-way delay: 0.908 ms

Loss rate: 0.01%

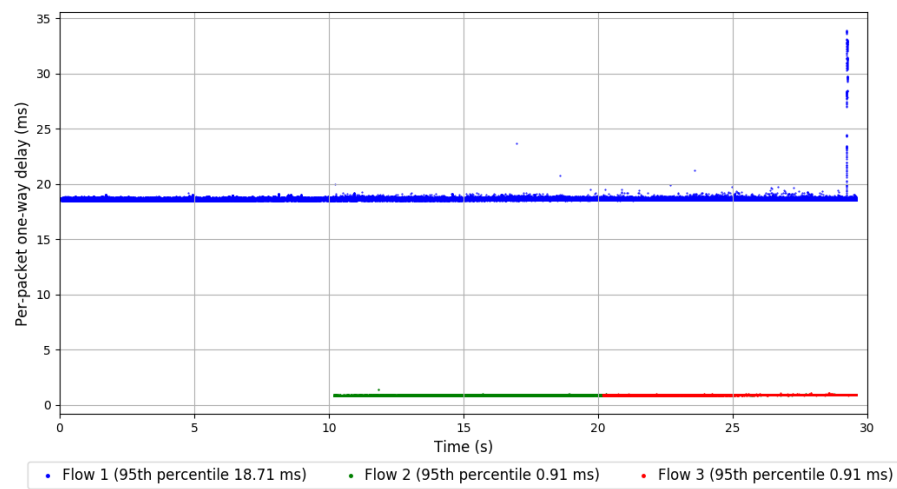
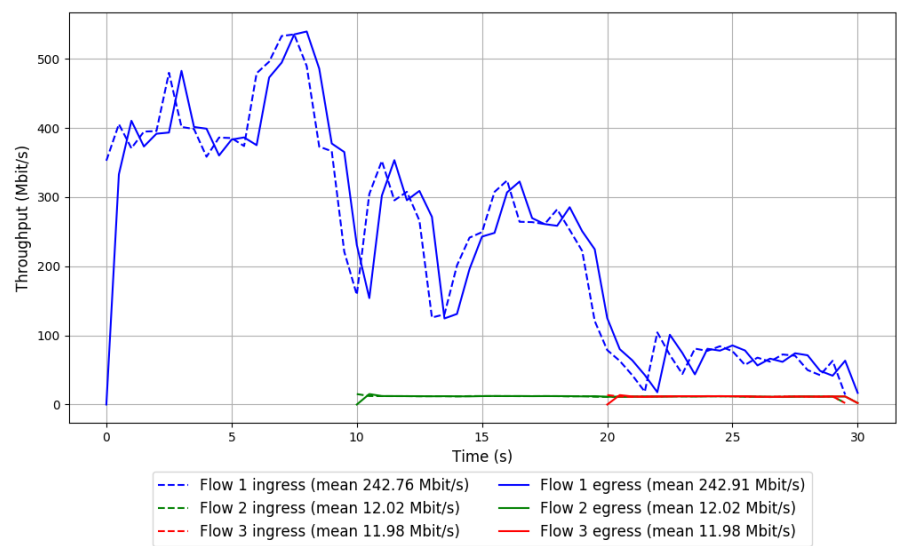
-- Flow 3:

Average throughput: 11.98 Mbit/s

95th percentile per-packet one-way delay: 0.912 ms

Loss rate: 0.01%

Run 2: Report of Muses_DecisionTreeR0 — Data Link



Run 3: Statistics of Muses_DecisionTreeR0

Start at: 2019-09-18 23:56:29

End at: 2019-09-18 23:56:59

Local clock offset: -0.305 ms

Remote clock offset: 3.838 ms

Below is generated by plot.py at 2019-09-19 02:35:40

Datalink statistics

-- Total of 3 flows:

Average throughput: 102.74 Mbit/s

95th percentile per-packet one-way delay: 19.455 ms

Loss rate: 0.02%

-- Flow 1:

Average throughput: 12.33 Mbit/s

95th percentile per-packet one-way delay: 0.910 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 128.37 Mbit/s

95th percentile per-packet one-way delay: 19.465 ms

Loss rate: 0.01%

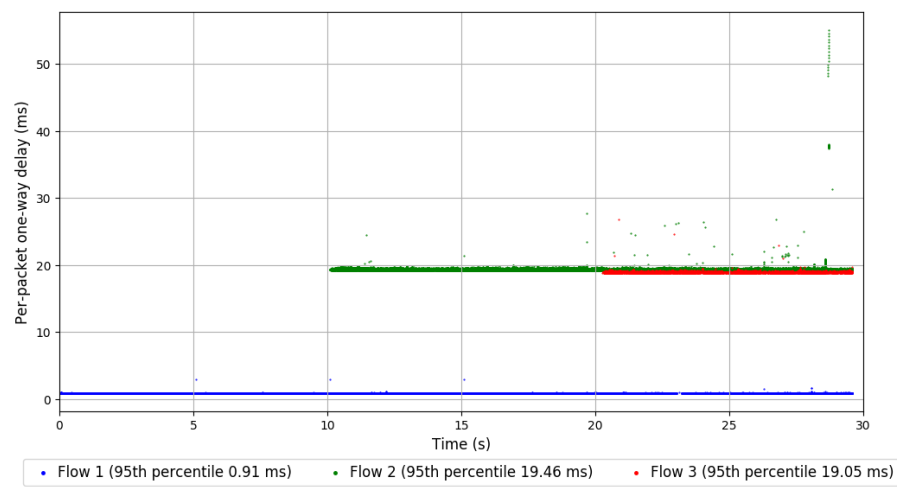
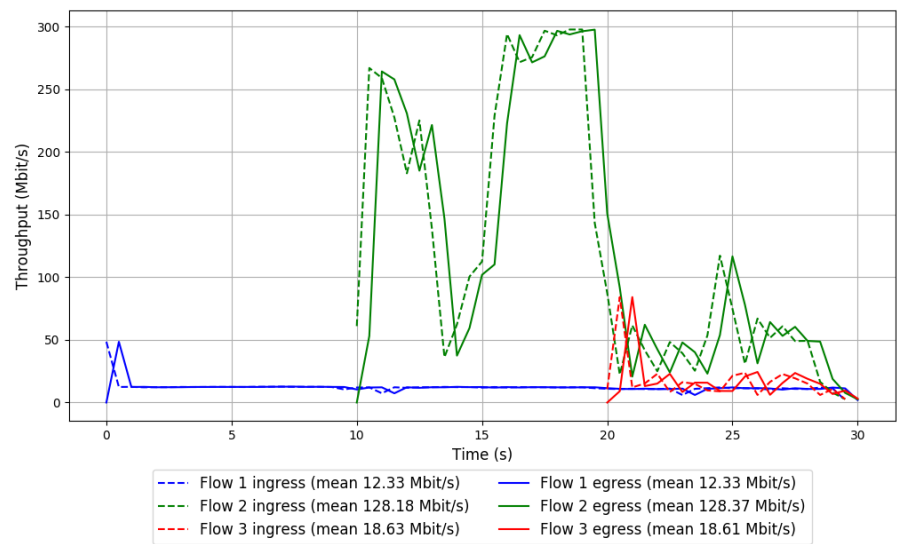
-- Flow 3:

Average throughput: 18.61 Mbit/s

95th percentile per-packet one-way delay: 19.055 ms

Loss rate: 0.23%

Run 3: Report of Muses_DecisionTreeR0 — Data Link



Run 4: Statistics of Muses_DecisionTreeR0

Start at: 2019-09-19 00:31:42

End at: 2019-09-19 00:32:12

Local clock offset: 2.714 ms

Remote clock offset: 3.251 ms

Below is generated by plot.py at 2019-09-19 02:35:40

Datalink statistics

-- Total of 3 flows:

Average throughput: 74.84 Mbit/s

95th percentile per-packet one-way delay: 19.948 ms

Loss rate: 0.04%

-- Flow 1:

Average throughput: 12.05 Mbit/s

95th percentile per-packet one-way delay: 1.670 ms

Loss rate: 0.01%

-- Flow 2:

Average throughput: 89.54 Mbit/s

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

Loss rate: 0.05%

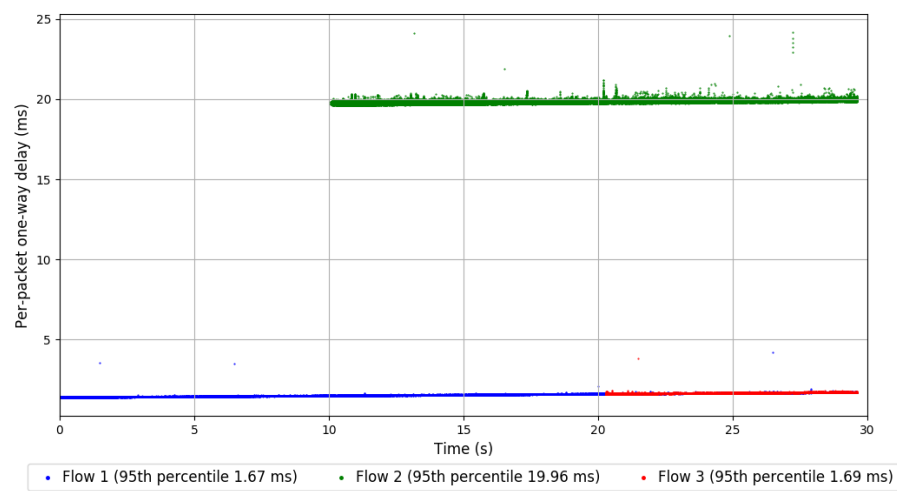
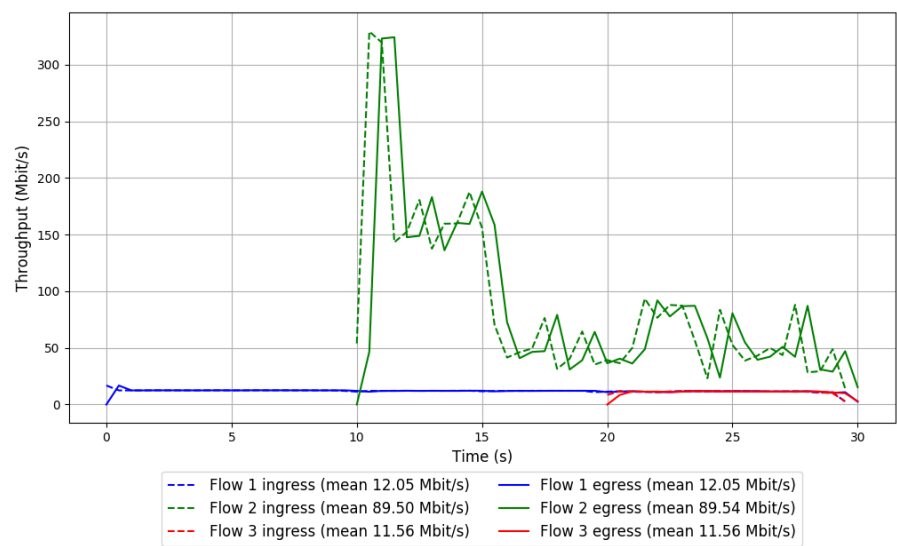
-- Flow 3:

Average throughput: 11.56 Mbit/s

95th percentile per-packet one-way delay: 1.690 ms

Loss rate: 0.02%

Run 4: Report of Muses_DecisionTreeR0 — Data Link



Run 5: Statistics of Muses_DecisionTreeR0

Start at: 2019-09-19 01:07:13

End at: 2019-09-19 01:07:43

Local clock offset: -1.979 ms

Remote clock offset: 2.935 ms

Below is generated by plot.py at 2019-09-19 02:35:40

Datalink statistics

-- Total of 3 flows:

Average throughput: 118.10 Mbit/s

95th percentile per-packet one-way delay: 19.242 ms

Loss rate: 0.06%

-- Flow 1:

Average throughput: 13.01 Mbit/s

95th percentile per-packet one-way delay: 0.761 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 153.10 Mbit/s

95th percentile per-packet one-way delay: 19.250 ms

Loss rate: 0.06%

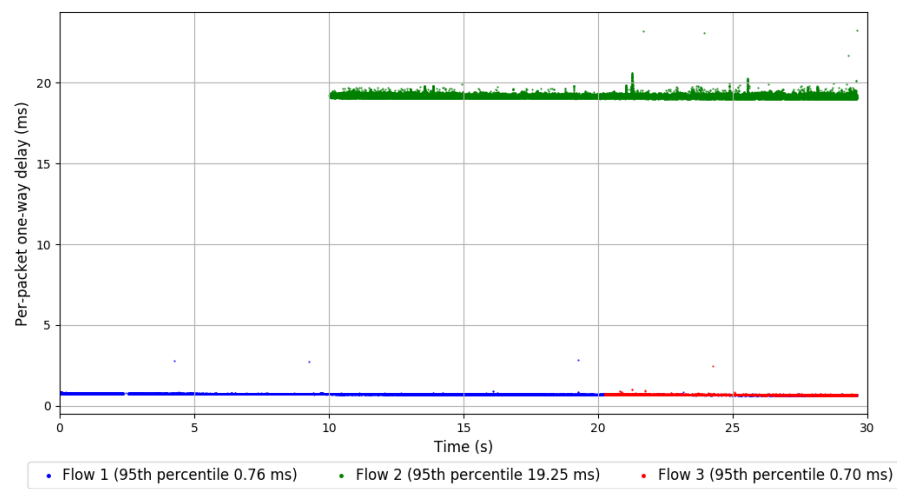
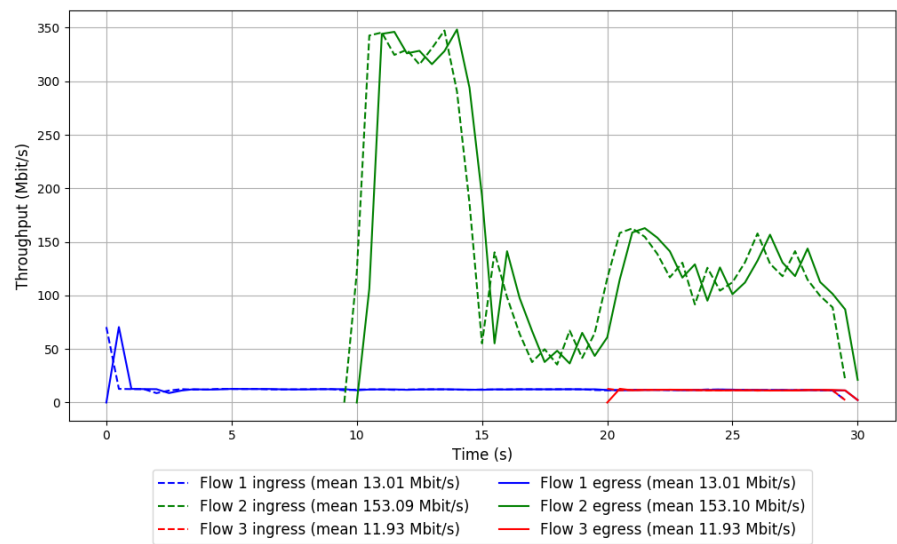
-- Flow 3:

Average throughput: 11.93 Mbit/s

95th percentile per-packet one-way delay: 0.701 ms

Loss rate: 0.00%

Run 5: Report of Muses_DecisionTreeR0 — Data Link

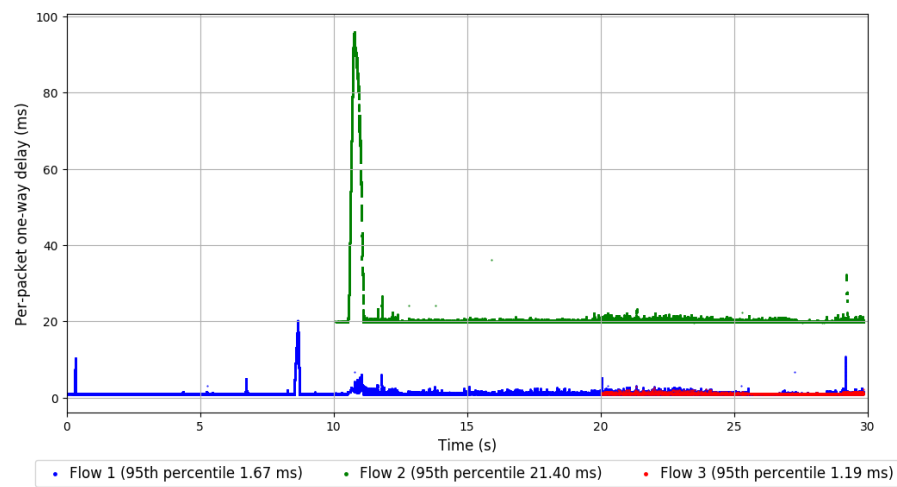
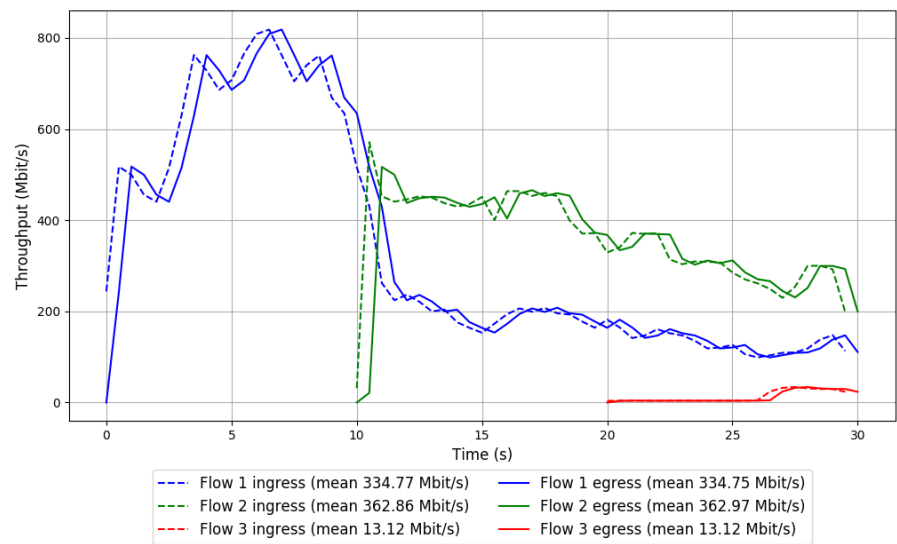


Run 1: Statistics of PCC-Allegro

Start at: 2019-09-18 22:50:13
End at: 2019-09-18 22:50:43
Local clock offset: 0.482 ms
Remote clock offset: -0.097 ms

Below is generated by plot.py at 2019-09-19 02:39:54
Datalink statistics
-- Total of 3 flows:
Average throughput: 580.02 Mbit/s
95th percentile per-packet one-way delay: 20.393 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 334.75 Mbit/s
95th percentile per-packet one-way delay: 1.674 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 362.97 Mbit/s
95th percentile per-packet one-way delay: 21.398 ms
Loss rate: 0.08%
-- Flow 3:
Average throughput: 13.12 Mbit/s
95th percentile per-packet one-way delay: 1.185 ms
Loss rate: 0.05%

Run 1: Report of PCC-Allegro — Data Link



Run 2: Statistics of PCC-Allegro

Start at: 2019-09-18 23:25:28

End at: 2019-09-18 23:25:58

Local clock offset: 0.006 ms

Remote clock offset: 4.455 ms

Below is generated by plot.py at 2019-09-19 02:39:54

Datalink statistics

-- Total of 3 flows:

Average throughput: 544.32 Mbit/s

95th percentile per-packet one-way delay: 19.435 ms

Loss rate: 0.03%

-- Flow 1:

Average throughput: 409.37 Mbit/s

95th percentile per-packet one-way delay: 1.110 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 136.89 Mbit/s

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

Loss rate: 0.01%

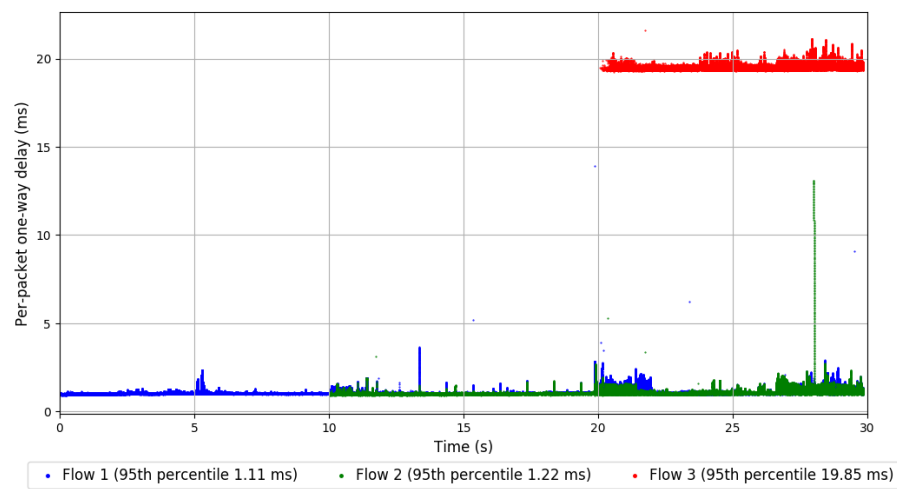
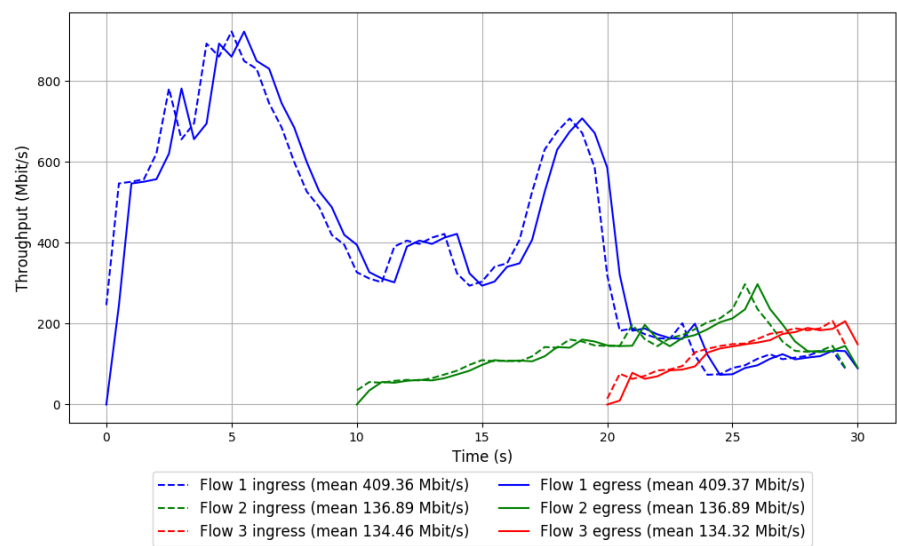
-- Flow 3:

Average throughput: 134.32 Mbit/s

95th percentile per-packet one-way delay: 19.854 ms

Loss rate: 0.31%

Run 2: Report of PCC-Allegro — Data Link



Run 3: Statistics of PCC-Allegro

Start at: 2019-09-19 00:00:31

End at: 2019-09-19 00:01:01

Local clock offset: -0.357 ms

Remote clock offset: 3.826 ms

Below is generated by plot.py at 2019-09-19 02:39:56

Datalink statistics

-- Total of 3 flows:

Average throughput: 536.53 Mbit/s

95th percentile per-packet one-way delay: 1.075 ms

Loss rate: 0.02%

-- Flow 1:

Average throughput: 447.74 Mbit/s

95th percentile per-packet one-way delay: 1.446 ms

Loss rate: 0.02%

-- Flow 2:

Average throughput: 89.12 Mbit/s

95th percentile per-packet one-way delay: 0.855 ms

Loss rate: 0.01%

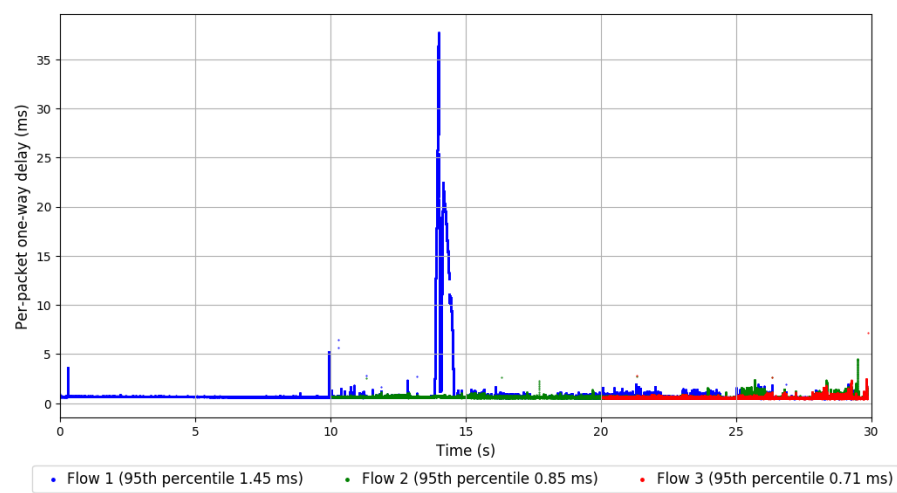
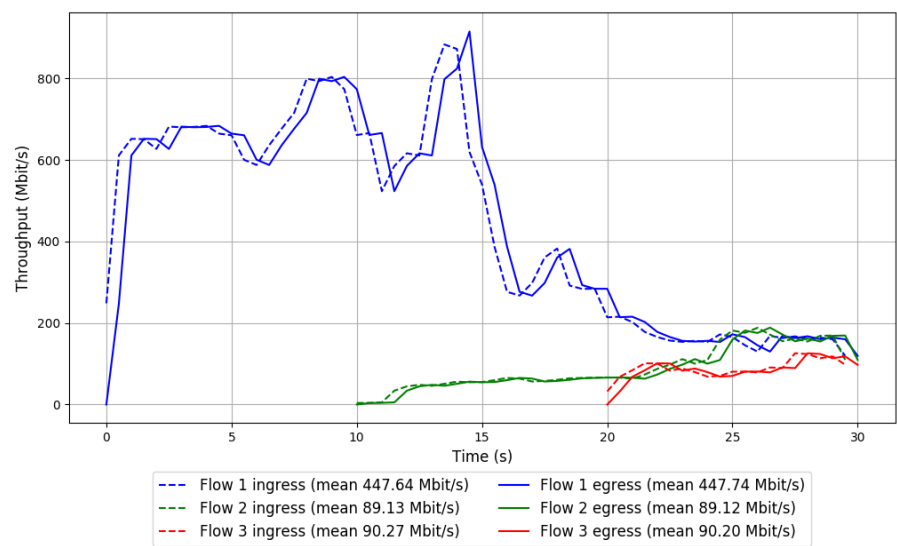
-- Flow 3:

Average throughput: 90.20 Mbit/s

95th percentile per-packet one-way delay: 0.709 ms

Loss rate: 0.02%

Run 3: Report of PCC-Allegro — Data Link



Run 4: Statistics of PCC-Allegro

Start at: 2019-09-19 00:35:44

End at: 2019-09-19 00:36:14

Local clock offset: 0.31 ms

Remote clock offset: 3.238 ms

Below is generated by plot.py at 2019-09-19 02:44:09

Datalink statistics

-- Total of 3 flows:

Average throughput: 828.84 Mbit/s

95th percentile per-packet one-way delay: 123.704 ms

Loss rate: 2.47%

-- Flow 1:

Average throughput: 519.25 Mbit/s

95th percentile per-packet one-way delay: 115.465 ms

Loss rate: 3.82%

-- Flow 2:

Average throughput: 366.37 Mbit/s

95th percentile per-packet one-way delay: 159.215 ms

Loss rate: 0.10%

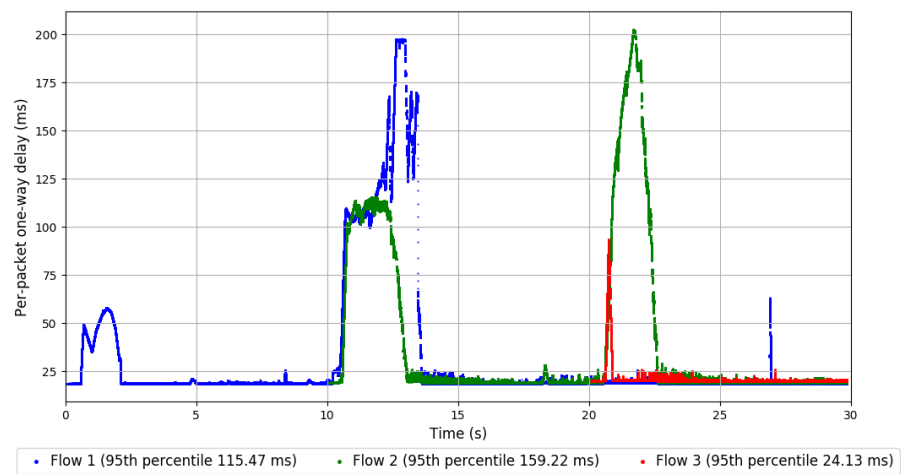
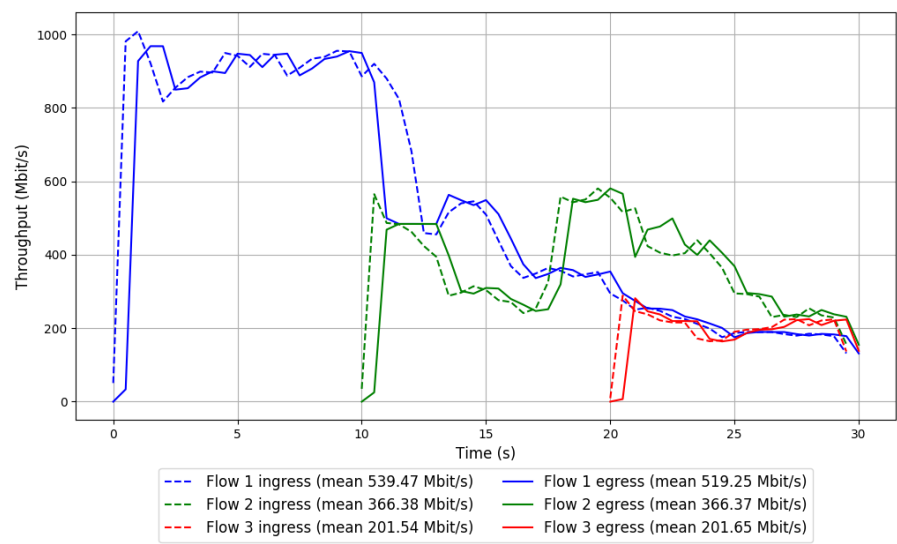
-- Flow 3:

Average throughput: 201.65 Mbit/s

95th percentile per-packet one-way delay: 24.127 ms

Loss rate: 0.19%

Run 4: Report of PCC-Allegro — Data Link



Run 5: Statistics of PCC-Allegro

Start at: 2019-09-19 01:11:16

End at: 2019-09-19 01:11:46

Local clock offset: -1.133 ms

Remote clock offset: 3.038 ms

Below is generated by plot.py at 2019-09-19 02:44:09

Datalink statistics

-- Total of 3 flows:

Average throughput: 320.11 Mbit/s

95th percentile per-packet one-way delay: 0.894 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 258.79 Mbit/s

95th percentile per-packet one-way delay: 0.902 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 71.01 Mbit/s

95th percentile per-packet one-way delay: 0.878 ms

Loss rate: 0.01%

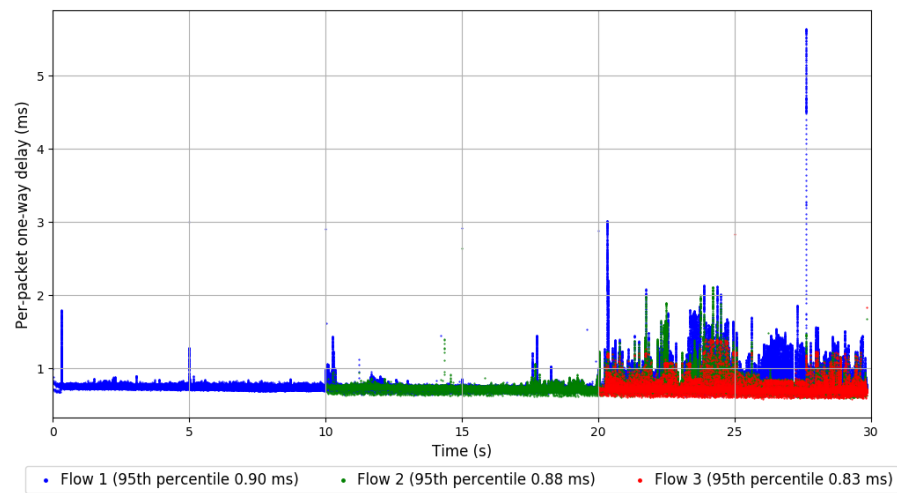
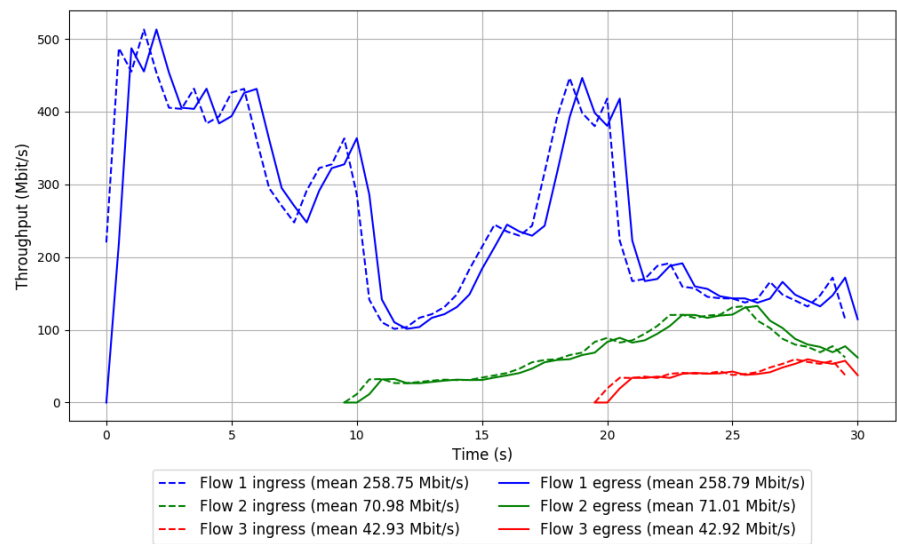
-- Flow 3:

Average throughput: 42.92 Mbit/s

95th percentile per-packet one-way delay: 0.828 ms

Loss rate: 0.02%

Run 5: Report of PCC-Allegro — Data Link

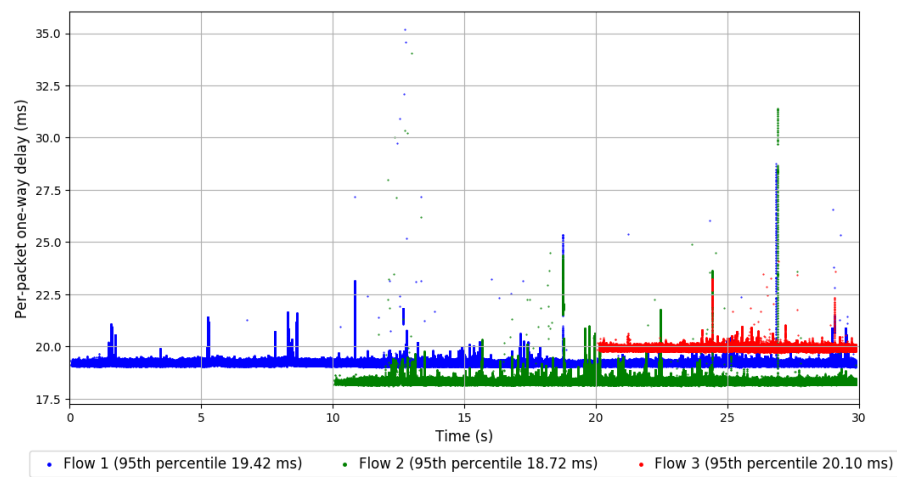
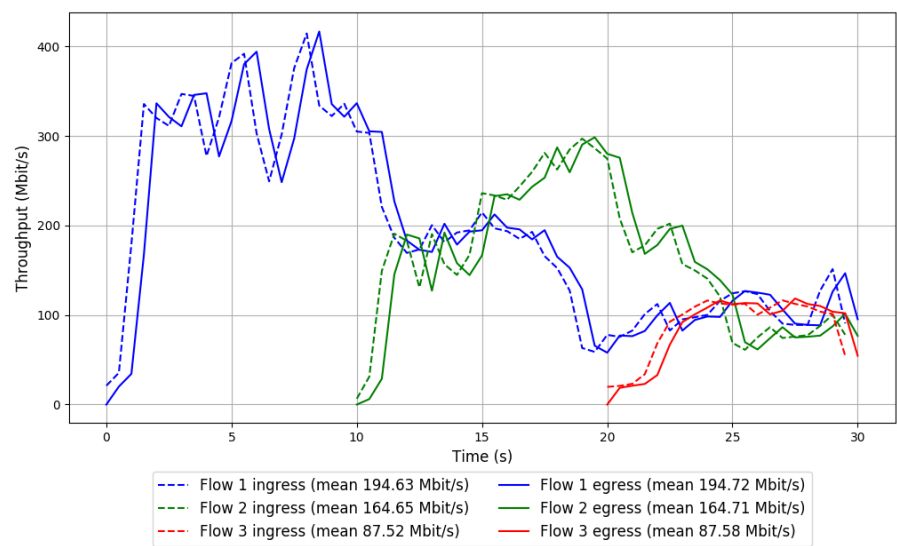


```
Run 1: Statistics of PCC-Expr

Start at: 2019-09-18 22:42:46
End at: 2019-09-18 22:43:16
Local clock offset: 1.145 ms
Remote clock offset: 0.41 ms

# Below is generated by plot.py at 2019-09-19 02:44:09
# Datalink statistics
-- Total of 3 flows:
Average throughput: 333.10 Mbit/s
95th percentile per-packet one-way delay: 19.926 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 194.72 Mbit/s
95th percentile per-packet one-way delay: 19.417 ms
Loss rate: 0.04%
-- Flow 2:
Average throughput: 164.71 Mbit/s
95th percentile per-packet one-way delay: 18.717 ms
Loss rate: 0.06%
-- Flow 3:
Average throughput: 87.58 Mbit/s
95th percentile per-packet one-way delay: 20.096 ms
Loss rate: 0.18%
```

Run 1: Report of PCC-Expr — Data Link



Run 2: Statistics of PCC-Expr

Start at: 2019-09-18 23:18:01

End at: 2019-09-18 23:18:31

Local clock offset: 0.055 ms

Remote clock offset: 3.723 ms

Below is generated by plot.py at 2019-09-19 02:44:09

Datalink statistics

-- Total of 3 flows:

Average throughput: 324.34 Mbit/s

95th percentile per-packet one-way delay: 19.372 ms

Loss rate: 0.06%

-- Flow 1:

Average throughput: 194.26 Mbit/s

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

Loss rate: 0.05%

-- Flow 2:

Average throughput: 162.70 Mbit/s

95th percentile per-packet one-way delay: 19.411 ms

Loss rate: 0.04%

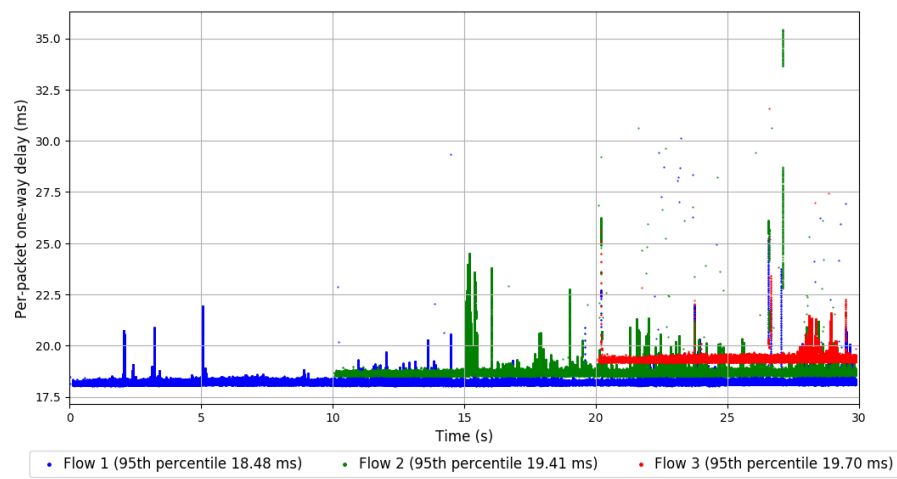
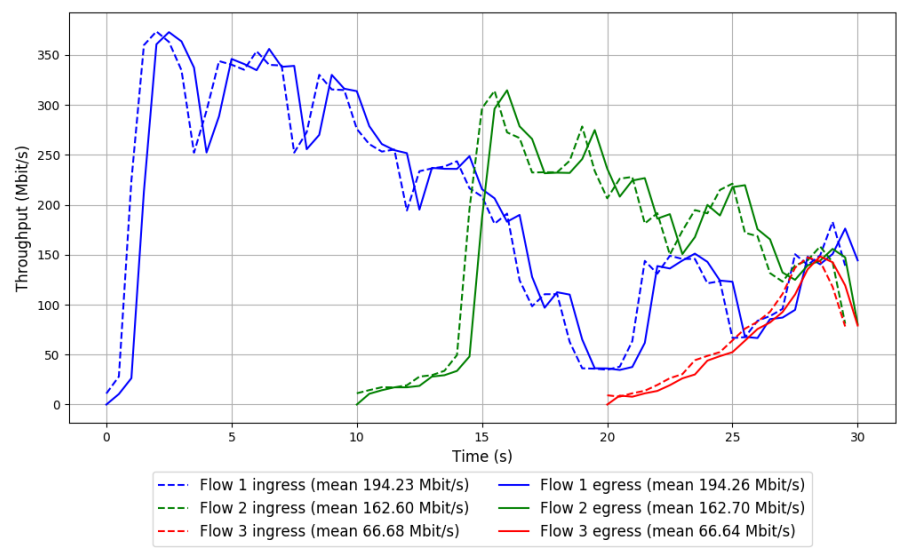
-- Flow 3:

Average throughput: 66.64 Mbit/s

95th percentile per-packet one-way delay: 19.704 ms

Loss rate: 0.27%

Run 2: Report of PCC-Expr — Data Link

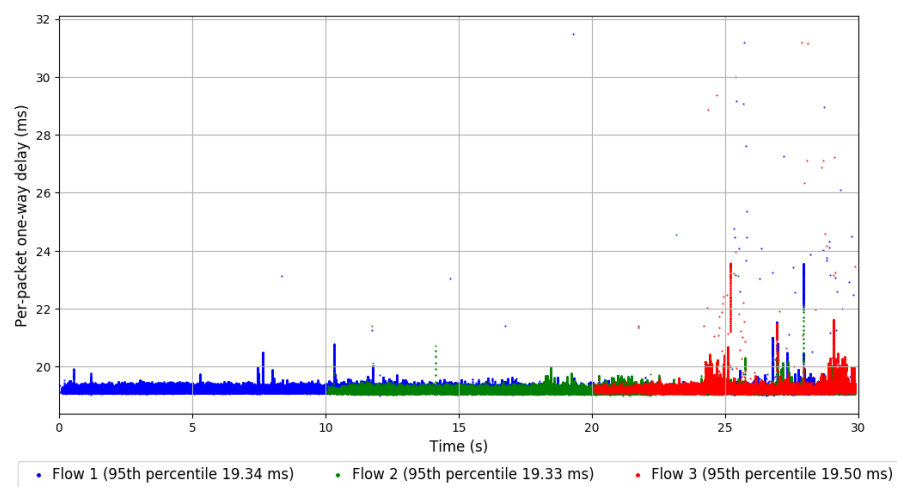
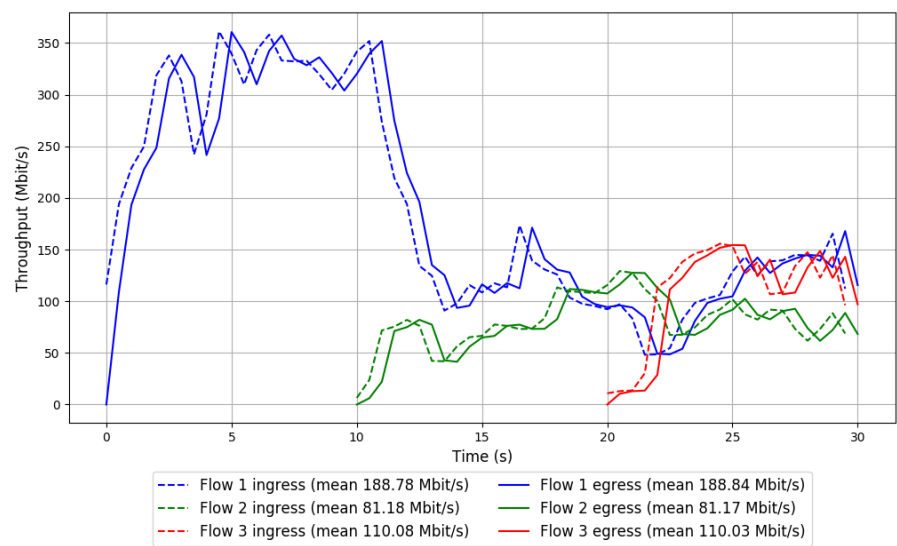


```
Run 3: Statistics of PCC-Expr

Start at: 2019-09-18 23:53:20
End at: 2019-09-18 23:53:50
Local clock offset: -0.227 ms
Remote clock offset: 3.757 ms

# Below is generated by plot.py at 2019-09-19 02:44:09
# Datalink statistics
-- Total of 3 flows:
Average throughput: 279.01 Mbit/s
95th percentile per-packet one-way delay: 19.350 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 188.84 Mbit/s
95th percentile per-packet one-way delay: 19.339 ms
Loss rate: 0.04%
-- Flow 2:
Average throughput: 81.17 Mbit/s
95th percentile per-packet one-way delay: 19.332 ms
Loss rate: 0.12%
-- Flow 3:
Average throughput: 110.03 Mbit/s
95th percentile per-packet one-way delay: 19.495 ms
Loss rate: 0.23%
```

Run 3: Report of PCC-Expr — Data Link



Run 4: Statistics of PCC-Expr

Start at: 2019-09-19 00:28:29

End at: 2019-09-19 00:28:59

Local clock offset: 3.529 ms

Remote clock offset: 3.182 ms

Below is generated by plot.py at 2019-09-19 02:44:09

Datalink statistics

-- Total of 3 flows:

Average throughput: 255.37 Mbit/s

95th percentile per-packet one-way delay: 18.776 ms

Loss rate: 0.02%

-- Flow 1:

Average throughput: 128.24 Mbit/s

95th percentile per-packet one-way delay: 0.952 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 180.84 Mbit/s

95th percentile per-packet one-way delay: 18.849 ms

Loss rate: 0.04%

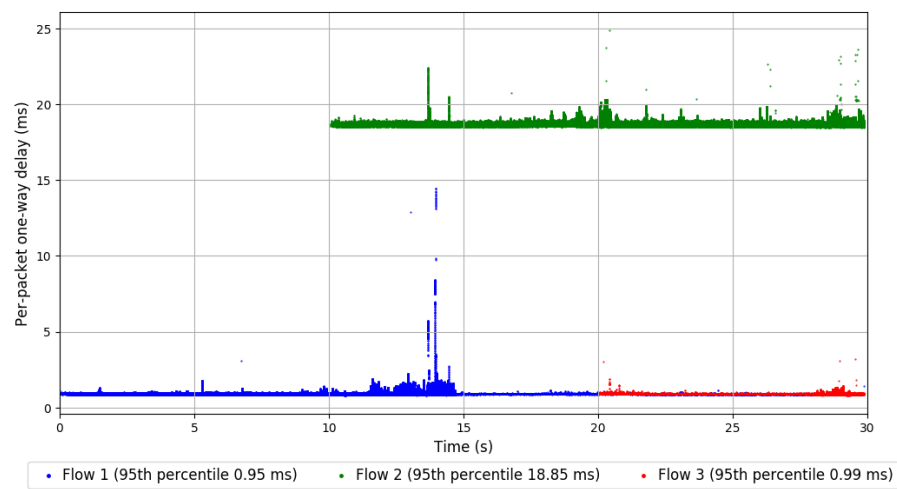
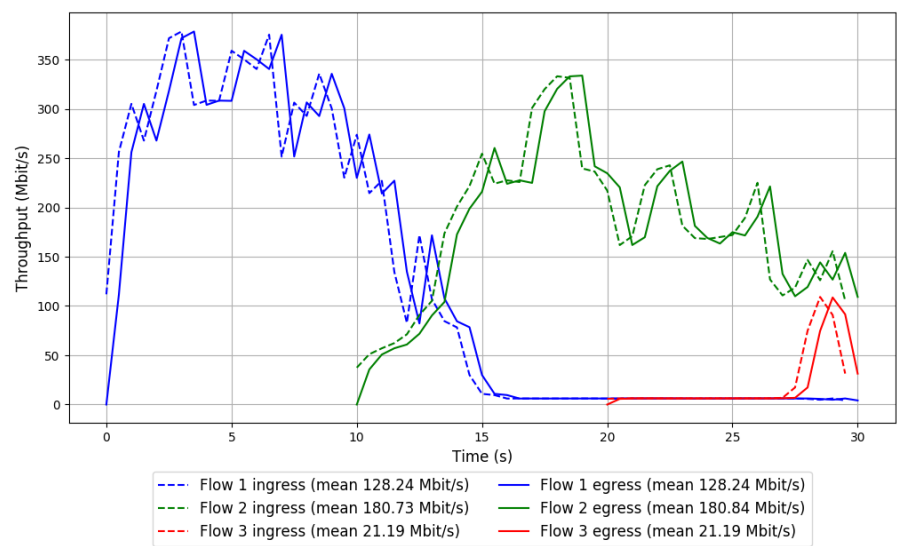
-- Flow 3:

Average throughput: 21.19 Mbit/s

95th percentile per-packet one-way delay: 0.995 ms

Loss rate: 0.03%

Run 4: Report of PCC-Expr — Data Link

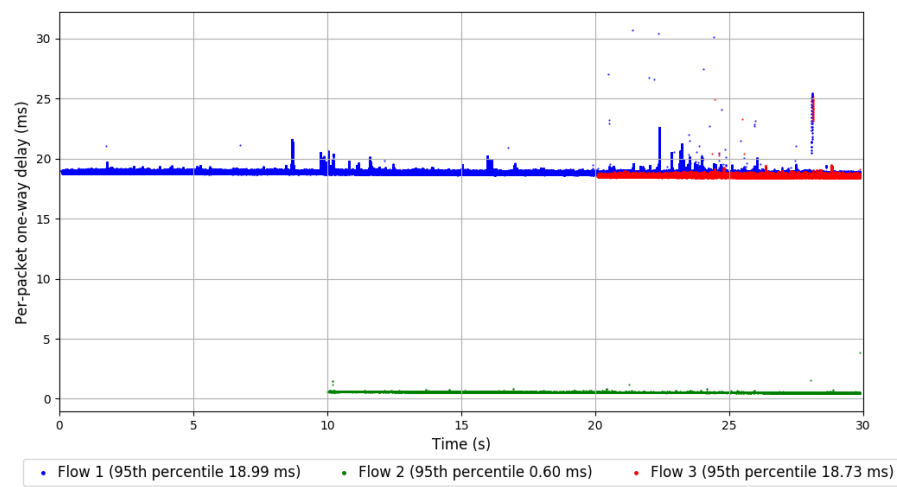
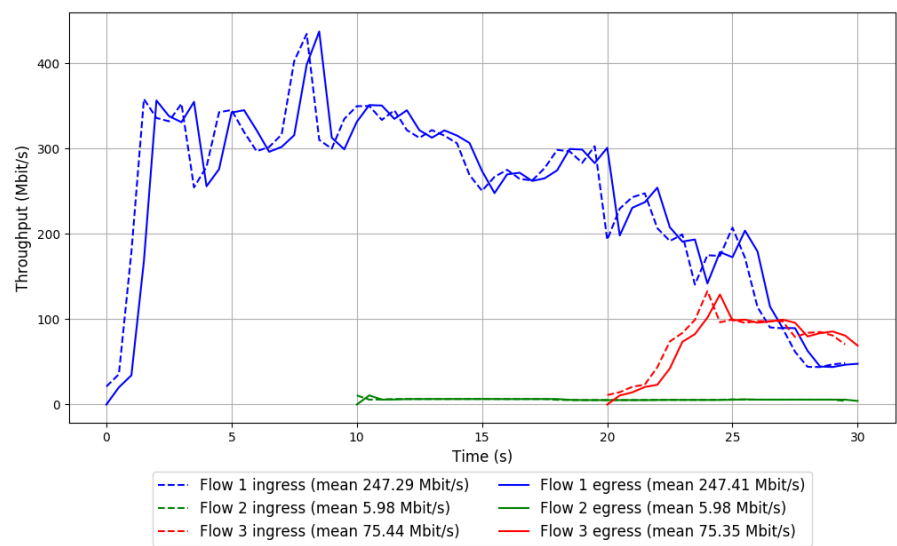


```
Run 5: Statistics of PCC-Expr

Start at: 2019-09-19 01:03:59
End at: 2019-09-19 01:04:29
Local clock offset: -2.983 ms
Remote clock offset: 2.967 ms

# Below is generated by plot.py at 2019-09-19 02:46:16
# Datalink statistics
-- Total of 3 flows:
Average throughput: 276.20 Mbit/s
95th percentile per-packet one-way delay: 18.982 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 247.41 Mbit/s
95th percentile per-packet one-way delay: 18.990 ms
Loss rate: 0.02%
-- Flow 2:
Average throughput: 5.98 Mbit/s
95th percentile per-packet one-way delay: 0.605 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 75.35 Mbit/s
95th percentile per-packet one-way delay: 18.729 ms
Loss rate: 0.31%
```

Run 5: Report of PCC-Expr — Data Link

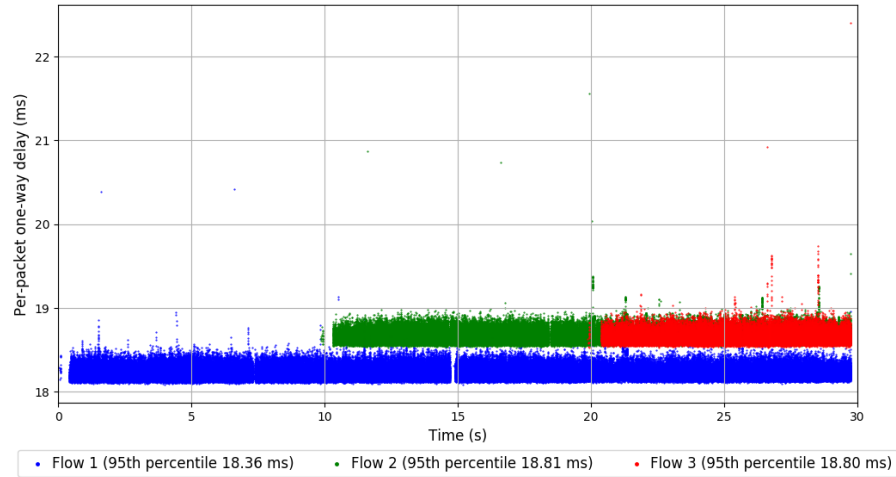
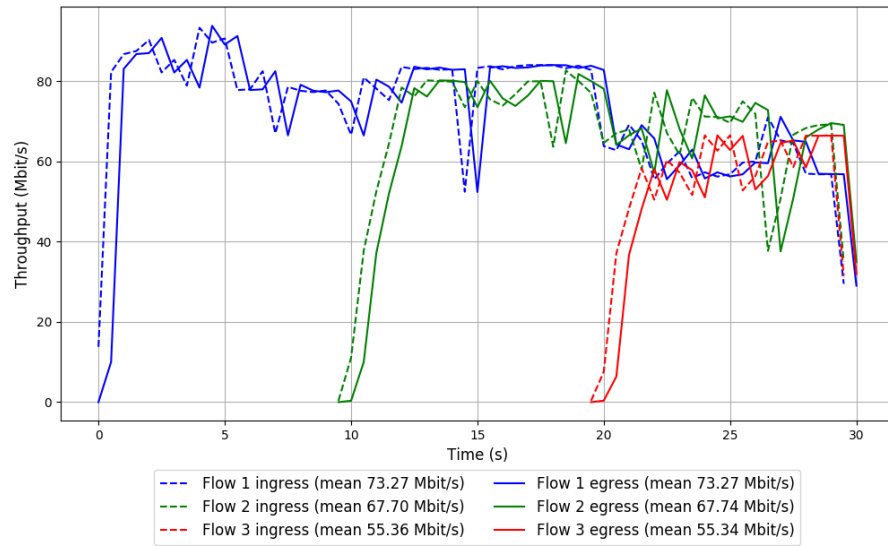


Run 1: Statistics of QUIC Cubic

Start at: 2019-09-18 22:53:18
End at: 2019-09-18 22:53:48
Local clock offset: 0.364 ms
Remote clock offset: -0.064 ms

Below is generated by plot.py at 2019-09-19 02:46:16
Datalink statistics
-- Total of 3 flows:
Average throughput: 136.96 Mbit/s
95th percentile per-packet one-way delay: 18.768 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 73.27 Mbit/s
95th percentile per-packet one-way delay: 18.363 ms
Loss rate: 0.06%
-- Flow 2:
Average throughput: 67.74 Mbit/s
95th percentile per-packet one-way delay: 18.806 ms
Loss rate: 0.10%
-- Flow 3:
Average throughput: 55.34 Mbit/s
95th percentile per-packet one-way delay: 18.800 ms
Loss rate: 0.20%

Run 1: Report of QUIC Cubic — Data Link



Run 2: Statistics of QUIC Cubic

Start at: 2019-09-18 23:28:34

End at: 2019-09-18 23:29:04

Local clock offset: -0.041 ms

Remote clock offset: 4.814 ms

Below is generated by plot.py at 2019-09-19 02:46:16

Datalink statistics

-- Total of 3 flows:

Average throughput: 136.46 Mbit/s

95th percentile per-packet one-way delay: 19.908 ms

Loss rate: 0.08%

-- Flow 1:

Average throughput: 75.12 Mbit/s

95th percentile per-packet one-way delay: 18.790 ms

Loss rate: 0.06%

-- Flow 2:

Average throughput: 63.80 Mbit/s

95th percentile per-packet one-way delay: 19.965 ms

Loss rate: 0.14%

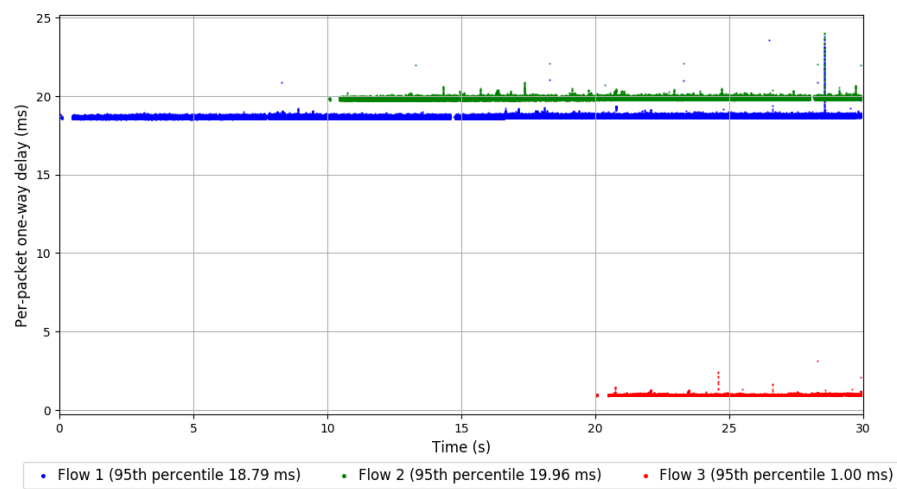
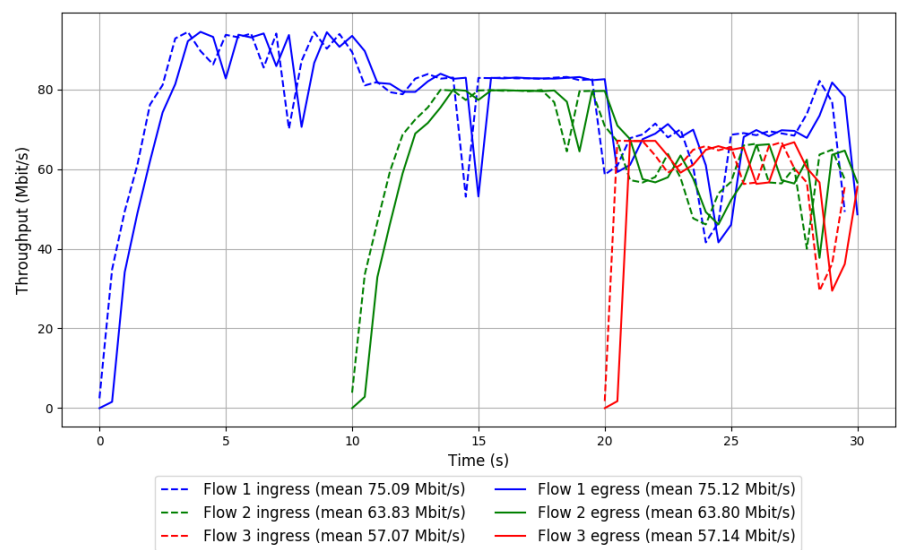
-- Flow 3:

Average throughput: 57.14 Mbit/s

95th percentile per-packet one-way delay: 1.003 ms

Loss rate: 0.02%

Run 2: Report of QUIC Cubic — Data Link



Run 3: Statistics of QUIC Cubic

Start at: 2019-09-19 00:03:35

End at: 2019-09-19 00:04:05

Local clock offset: 0.75 ms

Remote clock offset: 3.946 ms

Below is generated by plot.py at 2019-09-19 02:46:16

Datalink statistics

-- Total of 3 flows:

Average throughput: 141.69 Mbit/s

95th percentile per-packet one-way delay: 19.113 ms

Loss rate: 0.03%

-- Flow 1:

Average throughput: 79.47 Mbit/s

95th percentile per-packet one-way delay: 0.744 ms

Loss rate: 0.01%

-- Flow 2:

Average throughput: 68.16 Mbit/s

95th percentile per-packet one-way delay: 0.720 ms

Loss rate: 0.01%

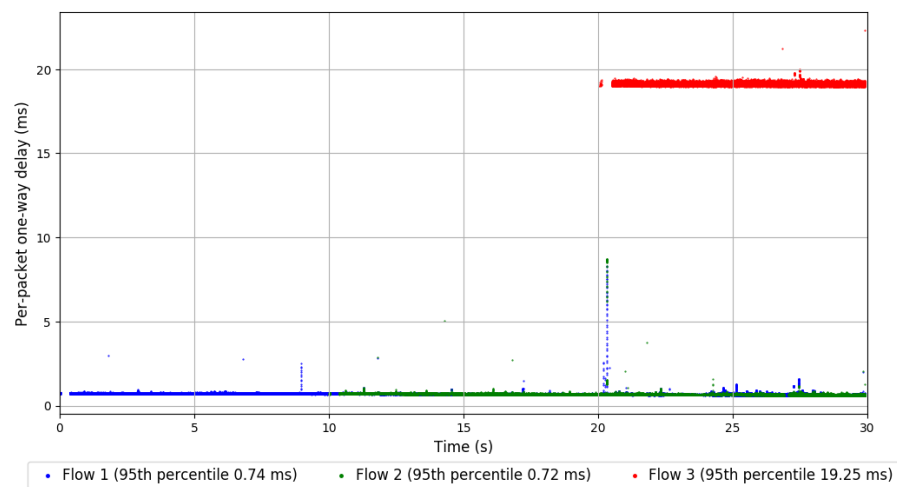
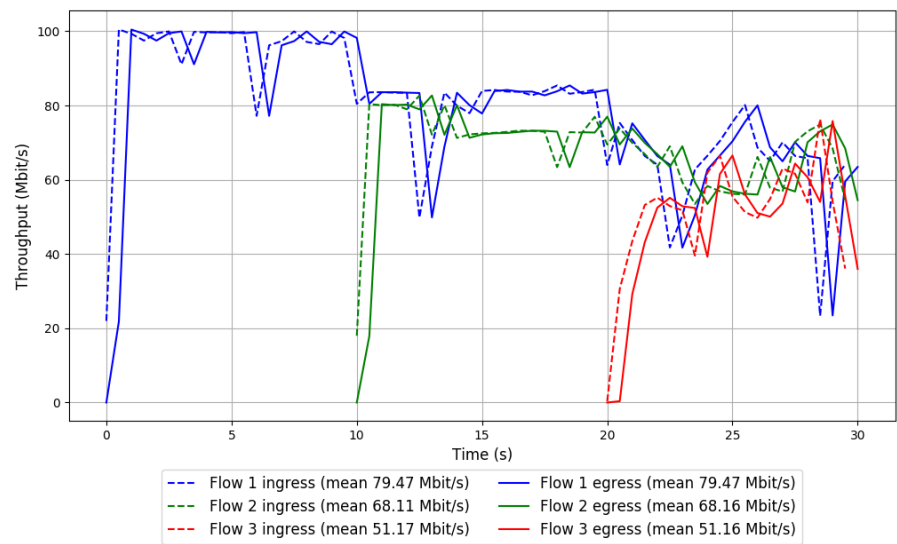
-- Flow 3:

Average throughput: 51.16 Mbit/s

95th percentile per-packet one-way delay: 19.247 ms

Loss rate: 0.17%

Run 3: Report of QUIC Cubic — Data Link



Run 4: Statistics of QUIC Cubic

Start at: 2019-09-19 00:38:59

End at: 2019-09-19 00:39:30

Local clock offset: -0.937 ms

Remote clock offset: 3.302 ms

Below is generated by plot.py at 2019-09-19 02:46:16

Datalink statistics

-- Total of 3 flows:

Average throughput: 137.57 Mbit/s

95th percentile per-packet one-way delay: 20.254 ms

Loss rate: 0.08%

-- Flow 1:

Average throughput: 77.69 Mbit/s

95th percentile per-packet one-way delay: 1.292 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 64.74 Mbit/s

95th percentile per-packet one-way delay: 20.324 ms

Loss rate: 0.13%

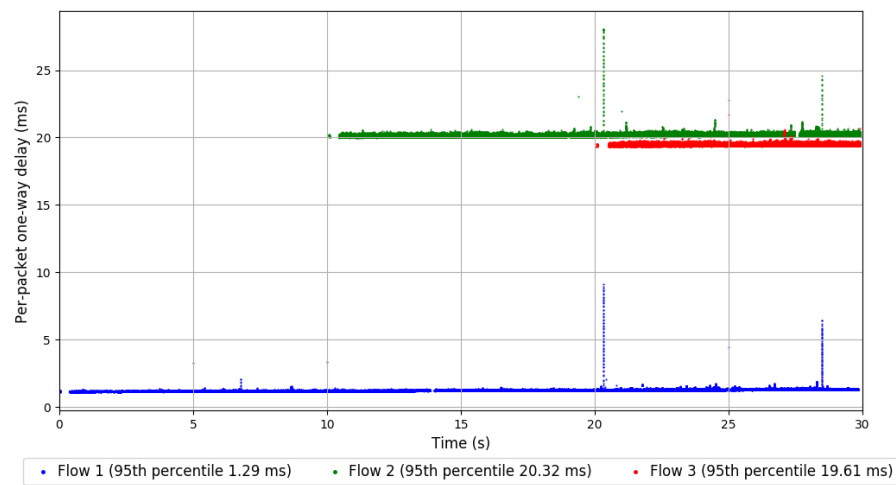
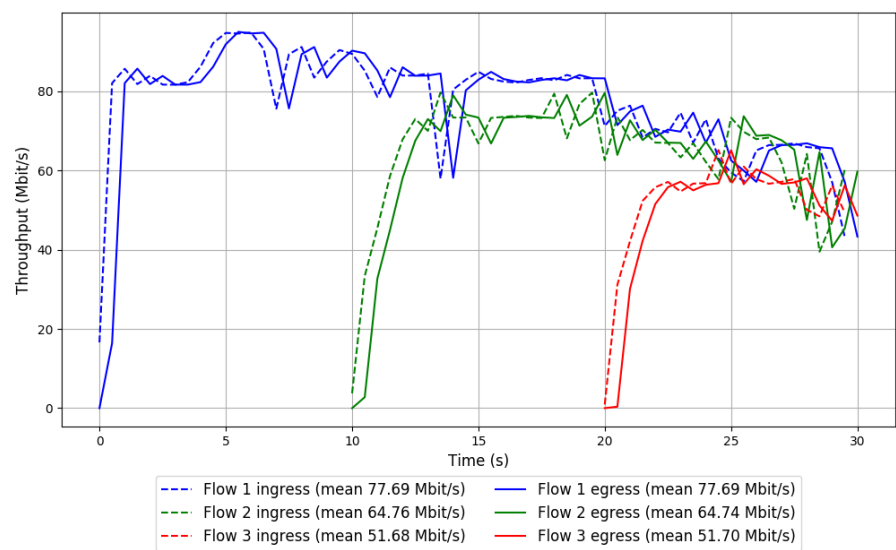
-- Flow 3:

Average throughput: 51.70 Mbit/s

95th percentile per-packet one-way delay: 19.615 ms

Loss rate: 0.28%

Run 4: Report of QUIC Cubic — Data Link



Run 5: Statistics of QUIC Cubic

Start at: 2019-09-19 01:14:18

End at: 2019-09-19 01:14:48

Local clock offset: -0.727 ms

Remote clock offset: 2.954 ms

Below is generated by plot.py at 2019-09-19 02:46:16

Datalink statistics

-- Total of 3 flows:

Average throughput: 137.50 Mbit/s

95th percentile per-packet one-way delay: 18.698 ms

Loss rate: 0.06%

-- Flow 1:

Average throughput: 74.17 Mbit/s

95th percentile per-packet one-way delay: 0.882 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 67.60 Mbit/s

95th percentile per-packet one-way delay: 18.752 ms

Loss rate: 0.10%

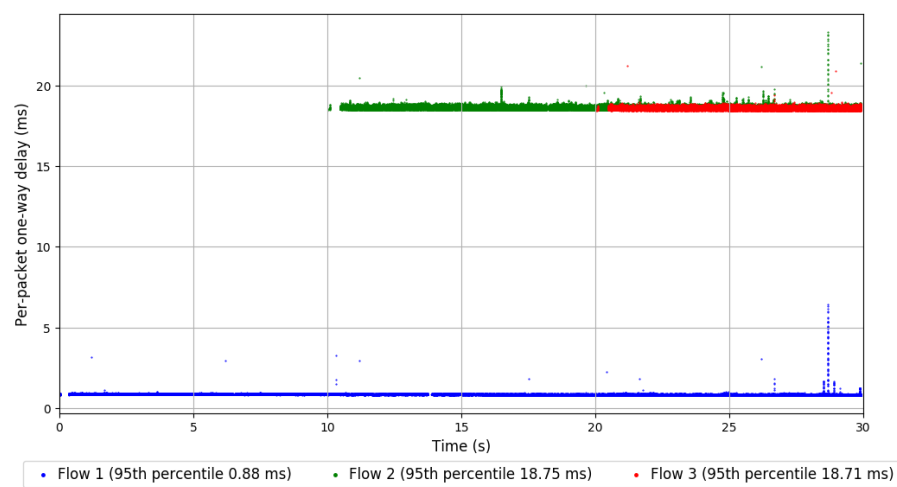
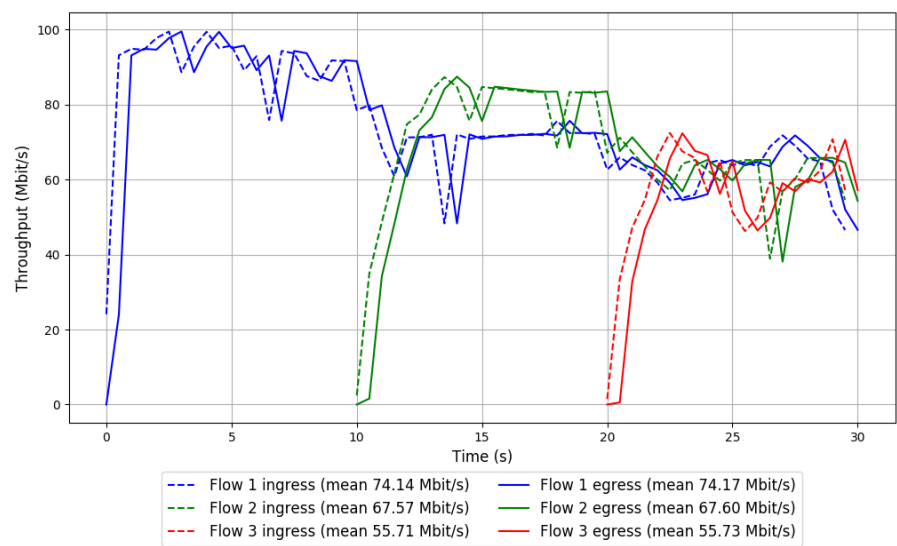
-- Flow 3:

Average throughput: 55.73 Mbit/s

95th percentile per-packet one-way delay: 18.709 ms

Loss rate: 0.24%

Run 5: Report of QUIC Cubic — Data Link

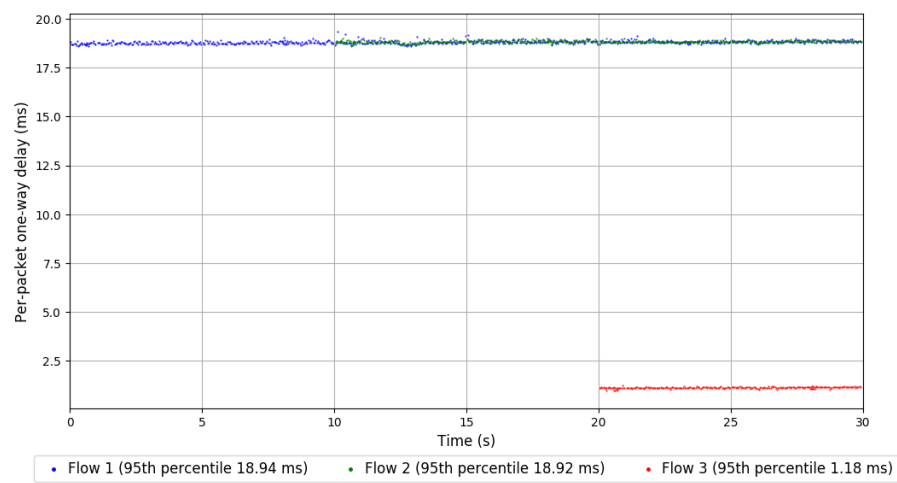
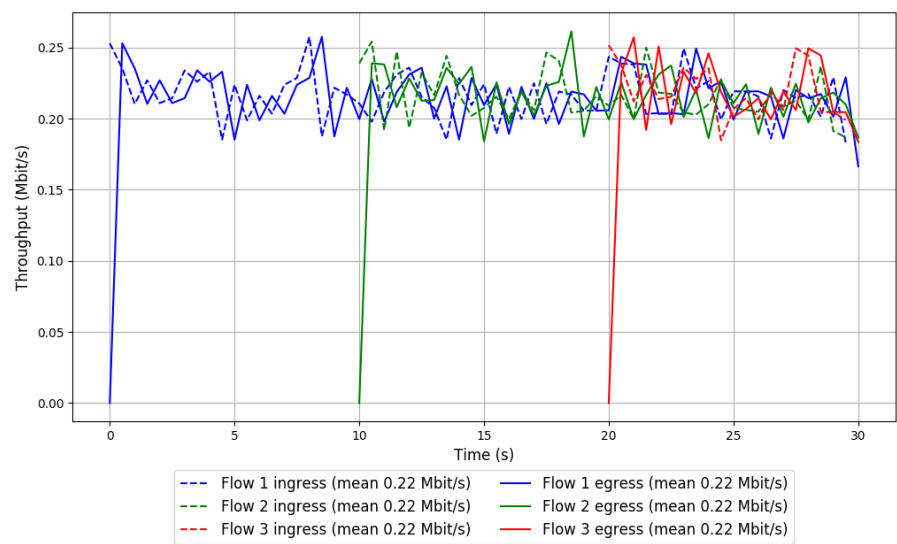


```
Run 1: Statistics of SReAM

Start at: 2019-09-18 23:07:45
End at: 2019-09-18 23:08:15
Local clock offset: 0.04 ms
Remote clock offset: 1.803 ms

# Below is generated by plot.py at 2019-09-19 02:46:16
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 18.923 ms
Loss rate: 0.12%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 18.937 ms
Loss rate: 0.13%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 18.924 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 1.183 ms
Loss rate: 0.35%
```

Run 1: Report of SReAM — Data Link

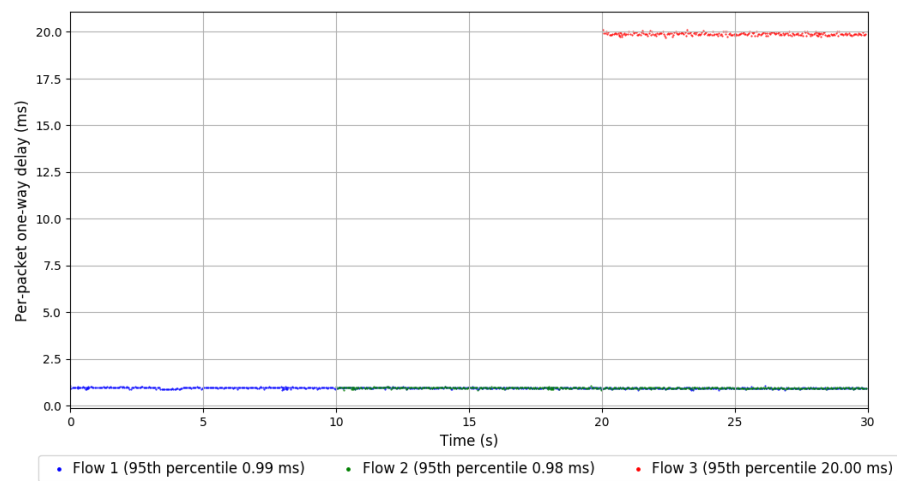
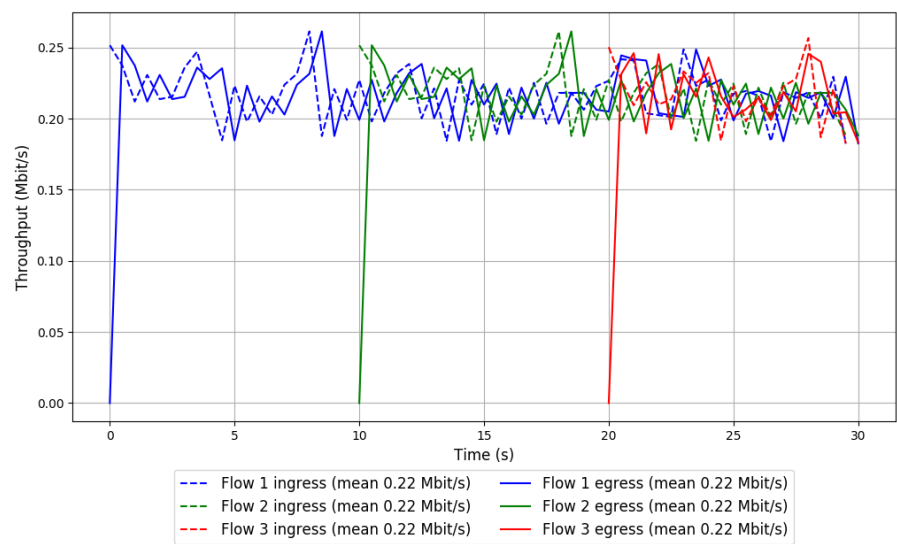


Run 2: Statistics of SReAM

Start at: 2019-09-18 23:42:55
End at: 2019-09-18 23:43:25
Local clock offset: -0.102 ms
Remote clock offset: 4.248 ms

Below is generated by plot.py at 2019-09-19 02:46:16
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 19.908 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 0.988 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 0.981 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 20.003 ms
Loss rate: 0.36%

Run 2: Report of SReAM — Data Link

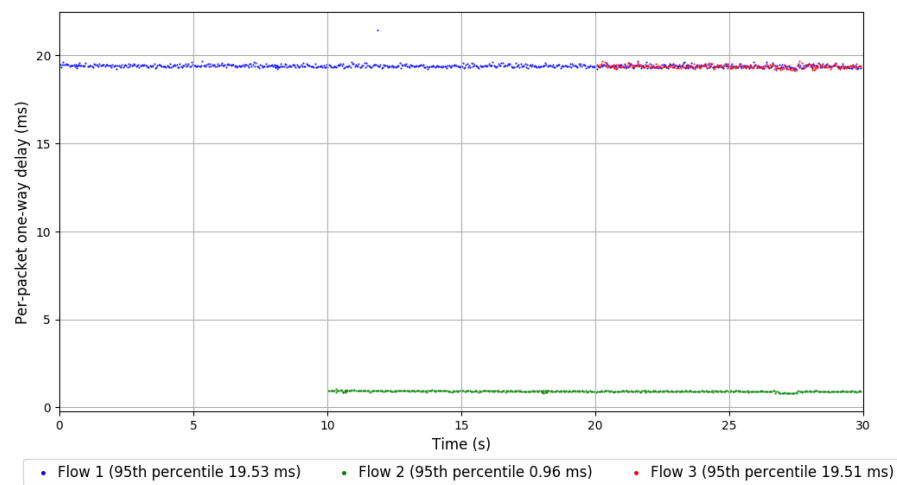
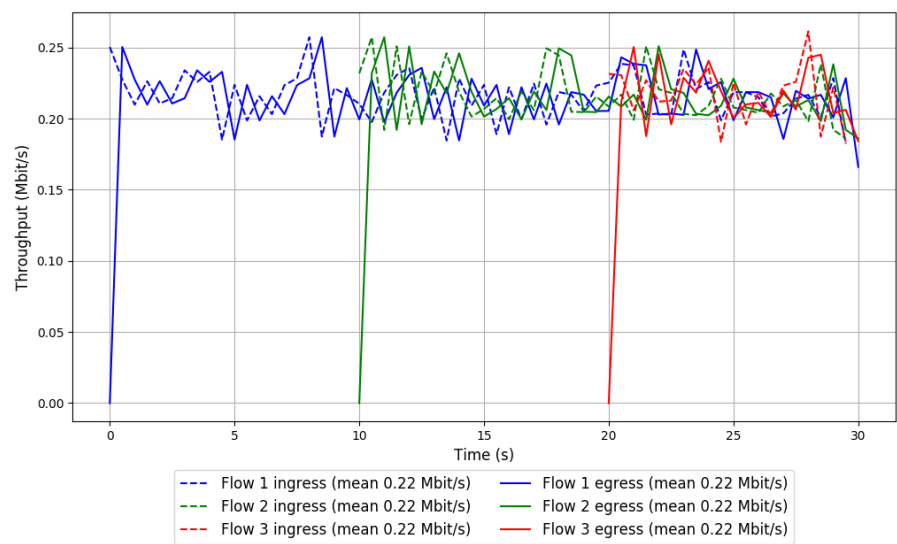


Run 3: Statistics of SReAM

Start at: 2019-09-19 00:18:01
End at: 2019-09-19 00:18:31
Local clock offset: 2.957 ms
Remote clock offset: 3.4 ms

Below is generated by plot.py at 2019-09-19 02:46:16
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 19.499 ms
Loss rate: 0.12%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 19.526 ms
Loss rate: 0.13%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 0.960 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 19.513 ms
Loss rate: 0.35%

Run 3: Report of SReAM — Data Link

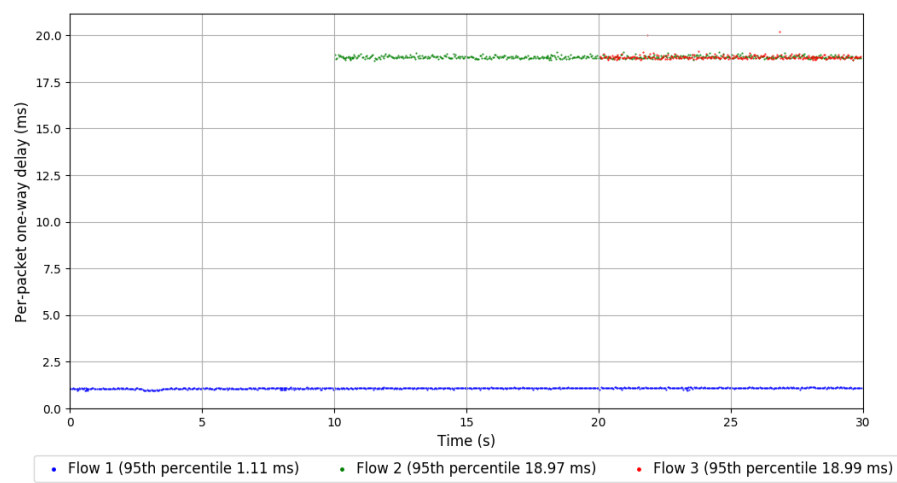
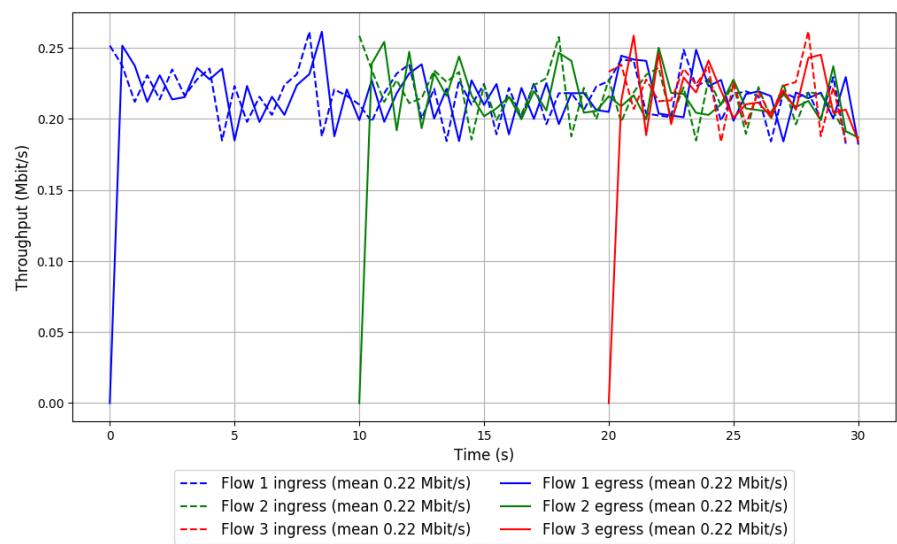


Run 4: Statistics of SReAM

Start at: 2019-09-19 00:53:25
End at: 2019-09-19 00:53:55
Local clock offset: -3.887 ms
Remote clock offset: 3.023 ms

Below is generated by plot.py at 2019-09-19 02:46:16
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 18.950 ms
Loss rate: 0.12%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 1.112 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 18.972 ms
Loss rate: 0.19%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 18.992 ms
Loss rate: 0.35%

Run 4: Report of SReAM — Data Link

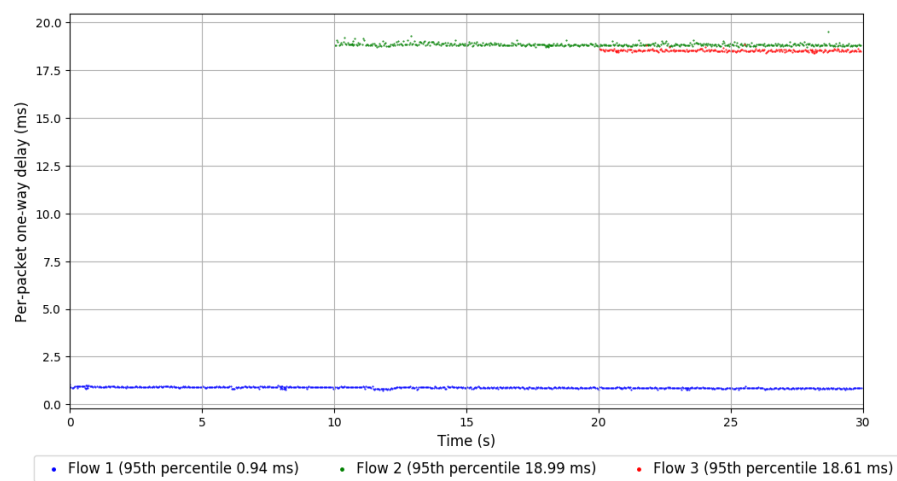
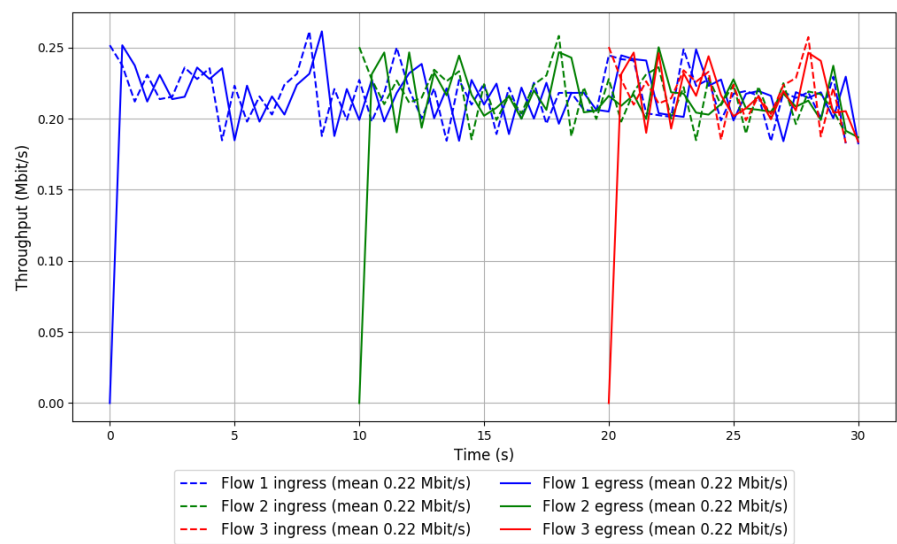


```
Run 5: Statistics of SReAM

Start at: 2019-09-19 01:28:46
End at: 2019-09-19 01:29:16
Local clock offset: 0.053 ms
Remote clock offset: 0.26 ms

# Below is generated by plot.py at 2019-09-19 02:46:16
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 18.910 ms
Loss rate: 0.12%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 0.943 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 18.988 ms
Loss rate: 0.19%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 18.613 ms
Loss rate: 0.36%
```

Run 5: Report of SReAM — Data Link



Run 1: Statistics of Sprout

Start at: 2019-09-18 23:06:29

End at: 2019-09-18 23:06:59

Local clock offset: 0.055 ms

Remote clock offset: 1.36 ms

Below is generated by plot.py at 2019-09-19 02:46:16

Datalink statistics

-- Total of 3 flows:

Average throughput: 74.32 Mbit/s

95th percentile per-packet one-way delay: 20.120 ms

Loss rate: 0.05%

-- Flow 1:

Average throughput: 50.27 Mbit/s

95th percentile per-packet one-way delay: 1.198 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 24.40 Mbit/s

95th percentile per-packet one-way delay: 18.612 ms

Loss rate: 0.10%

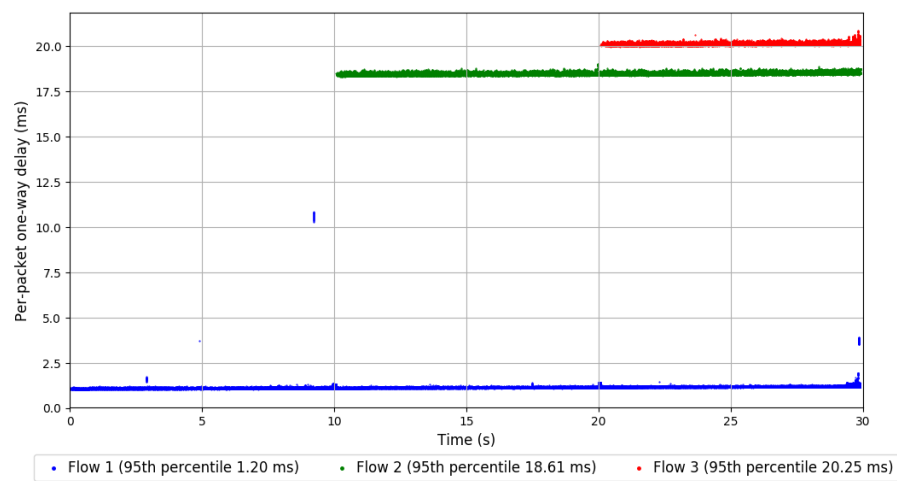
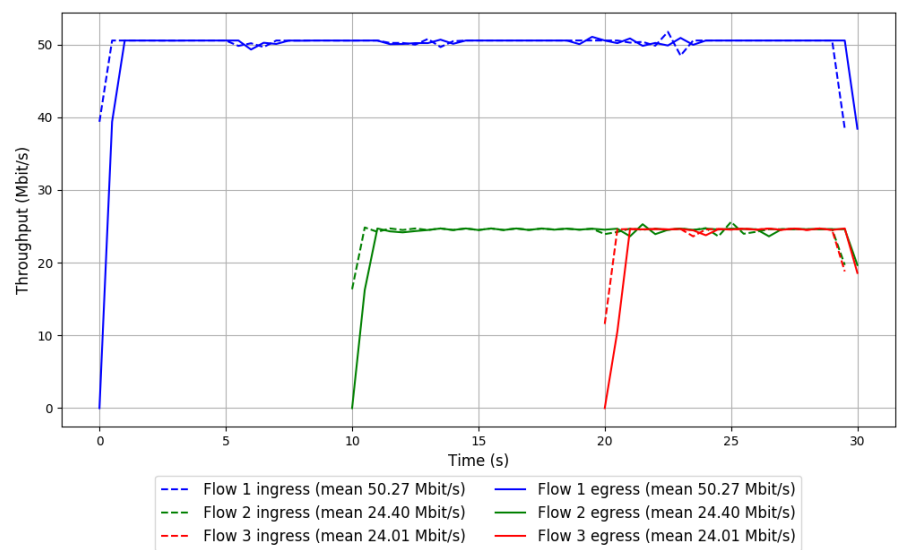
-- Flow 3:

Average throughput: 24.01 Mbit/s

95th percentile per-packet one-way delay: 20.252 ms

Loss rate: 0.23%

Run 1: Report of Sprout — Data Link

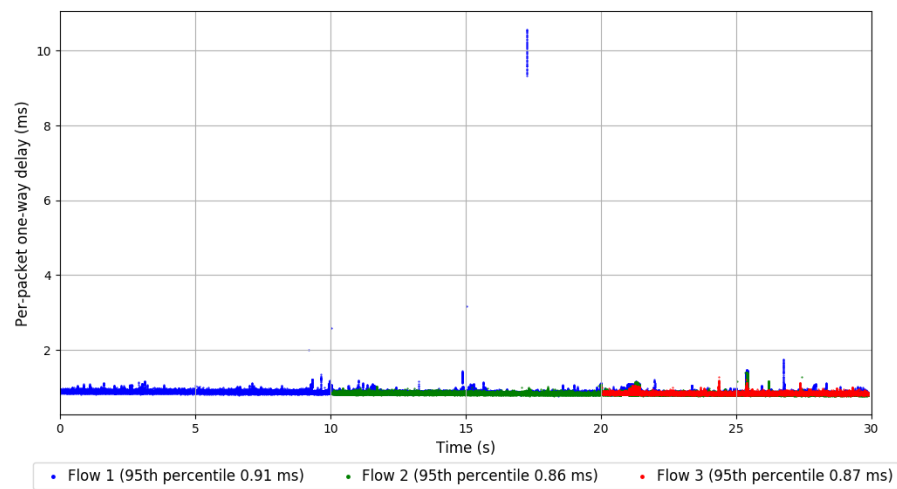
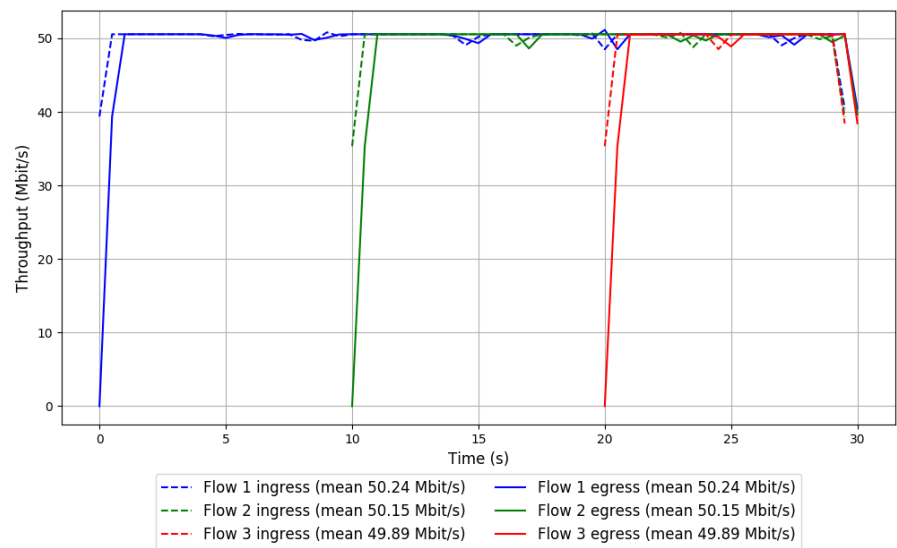


Run 2: Statistics of Sprout

Start at: 2019-09-18 23:41:37
End at: 2019-09-18 23:42:07
Local clock offset: -0.054 ms
Remote clock offset: 4.457 ms

Below is generated by plot.py at 2019-09-19 02:46:16
Datalink statistics
-- Total of 3 flows:
Average throughput: 99.96 Mbit/s
95th percentile per-packet one-way delay: 0.890 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 50.24 Mbit/s
95th percentile per-packet one-way delay: 0.907 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 50.15 Mbit/s
95th percentile per-packet one-way delay: 0.860 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 49.89 Mbit/s
95th percentile per-packet one-way delay: 0.866 ms
Loss rate: 0.00%

Run 2: Report of Sprout — Data Link



Run 3: Statistics of Sprout

Start at: 2019-09-19 00:16:44

End at: 2019-09-19 00:17:14

Local clock offset: 2.856 ms

Remote clock offset: 3.498 ms

Below is generated by plot.py at 2019-09-19 02:46:16

Datalink statistics

-- Total of 3 flows:

Average throughput: 74.95 Mbit/s

95th percentile per-packet one-way delay: 19.824 ms

Loss rate: 0.05%

-- Flow 1:

Average throughput: 50.26 Mbit/s

95th percentile per-packet one-way delay: 0.900 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 24.88 Mbit/s

95th percentile per-packet one-way delay: 19.917 ms

Loss rate: 0.20%

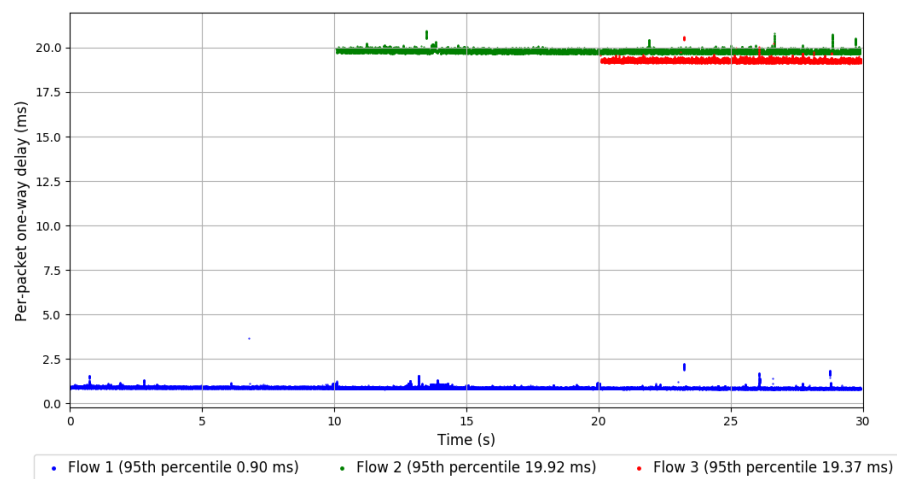
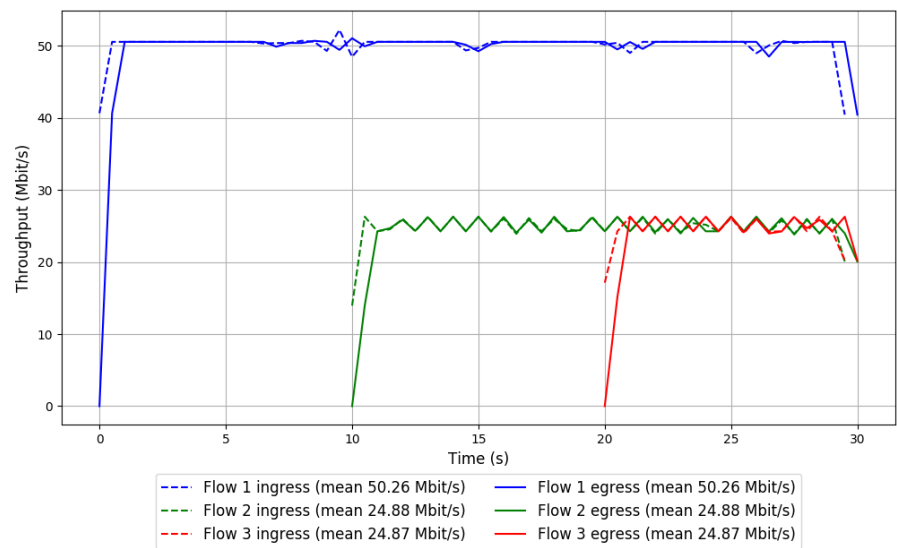
-- Flow 3:

Average throughput: 24.87 Mbit/s

95th percentile per-packet one-way delay: 19.369 ms

Loss rate: 0.00%

Run 3: Report of Sprout — Data Link

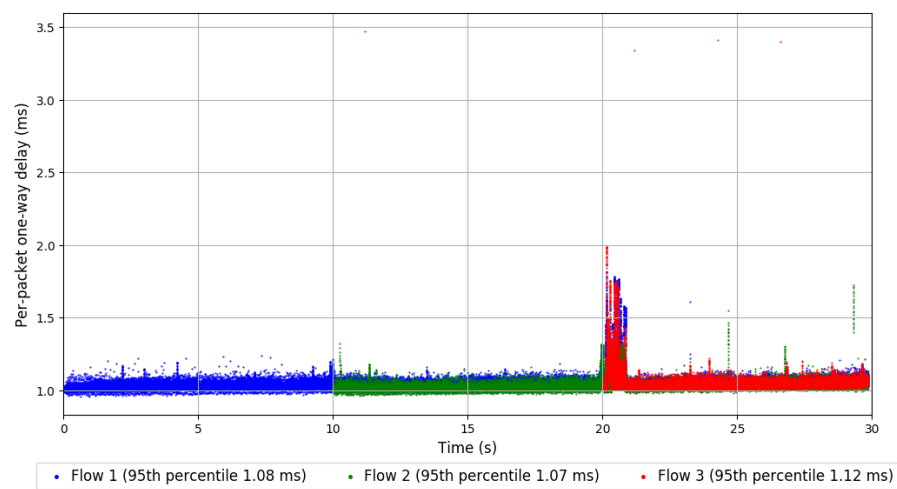
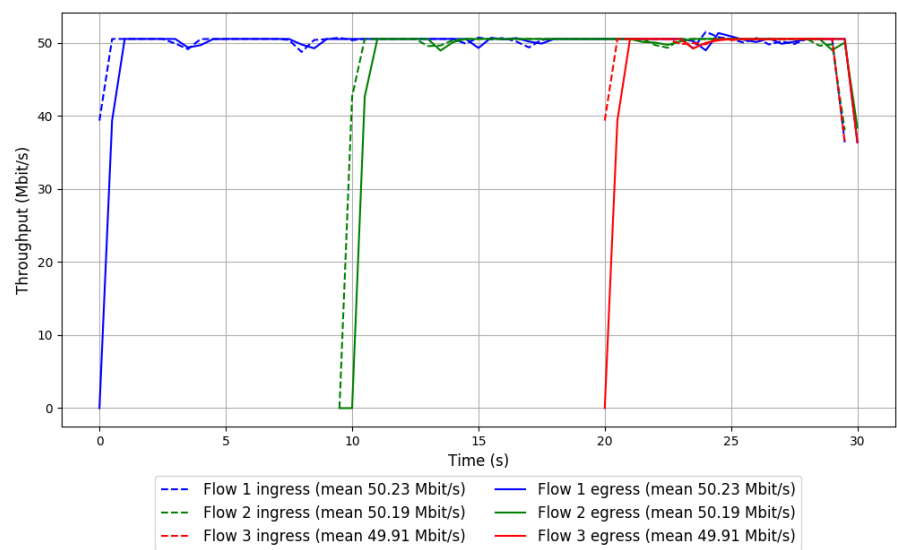


Run 4: Statistics of Sprout

Start at: 2019-09-19 00:52:08
End at: 2019-09-19 00:52:38
Local clock offset: -3.754 ms
Remote clock offset: 2.999 ms

```
# Below is generated by plot.py at 2019-09-19 02:46:16
# Datalink statistics
-- Total of 3 flows:
Average throughput: 100.11 Mbit/s
95th percentile per-packet one-way delay: 1.084 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 50.23 Mbit/s
95th percentile per-packet one-way delay: 1.084 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 50.19 Mbit/s
95th percentile per-packet one-way delay: 1.070 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 49.91 Mbit/s
95th percentile per-packet one-way delay: 1.116 ms
Loss rate: 0.00%
```

Run 4: Report of Sprout — Data Link



Run 5: Statistics of Sprout

Start at: 2019-09-19 01:27:30

End at: 2019-09-19 01:28:00

Local clock offset: 0.002 ms

Remote clock offset: 0.401 ms

Below is generated by plot.py at 2019-09-19 02:46:16

Datalink statistics

-- Total of 3 flows:

Average throughput: 66.36 Mbit/s

95th percentile per-packet one-way delay: 18.843 ms

Loss rate: 0.08%

-- Flow 1:

Average throughput: 24.89 Mbit/s

95th percentile per-packet one-way delay: 18.712 ms

Loss rate: 0.08%

-- Flow 2:

Average throughput: 50.18 Mbit/s

95th percentile per-packet one-way delay: 0.898 ms

Loss rate: 0.00%

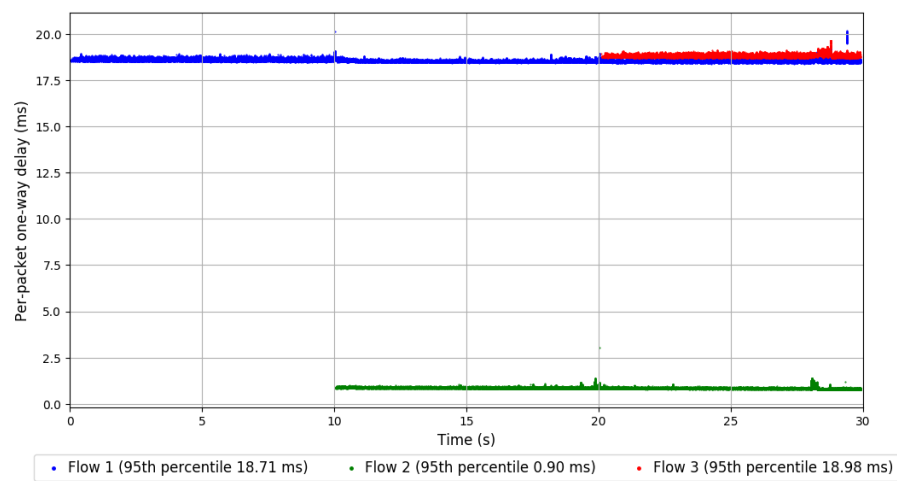
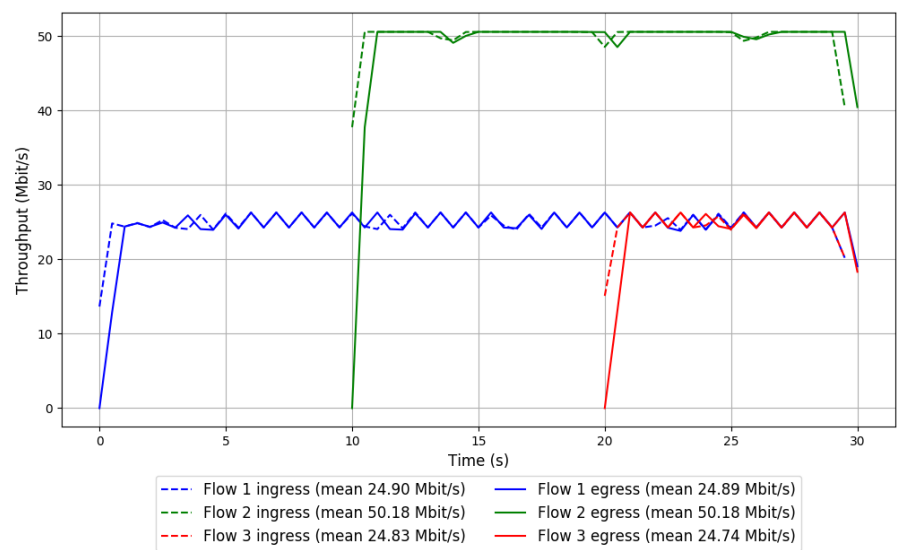
-- Flow 3:

Average throughput: 24.74 Mbit/s

95th percentile per-packet one-way delay: 18.983 ms

Loss rate: 0.39%

Run 5: Report of Sprout — Data Link

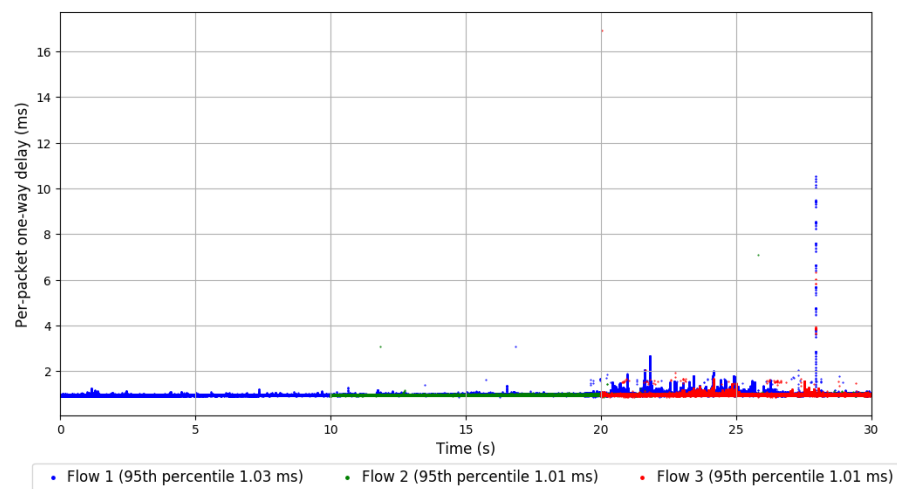
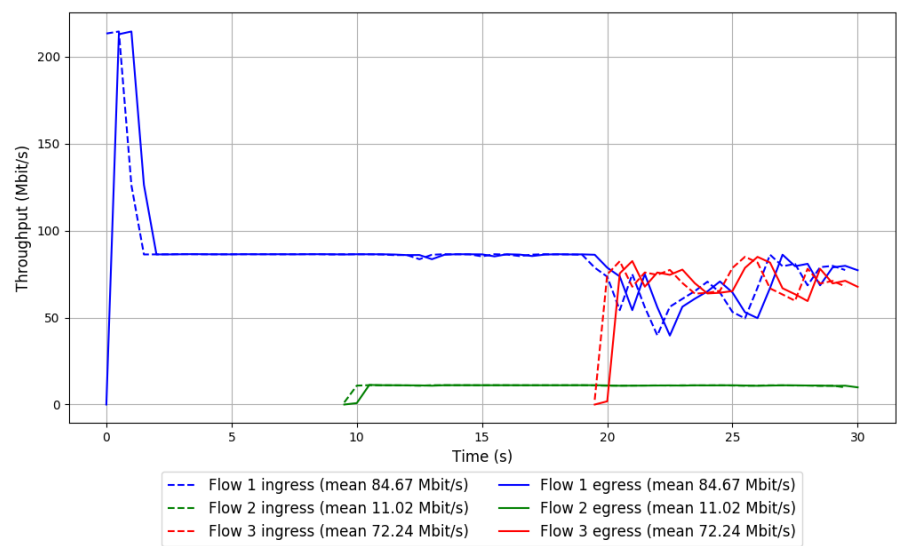


```
Run 1: Statistics of TaoVA-100x

Start at: 2019-09-18 23:16:39
End at: 2019-09-18 23:17:09
Local clock offset: 0.077 ms
Remote clock offset: 3.476 ms

# Below is generated by plot.py at 2019-09-19 02:46:16
# Datalink statistics
-- Total of 3 flows:
Average throughput: 116.06 Mbit/s
95th percentile per-packet one-way delay: 1.023 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 84.67 Mbit/s
95th percentile per-packet one-way delay: 1.027 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 11.02 Mbit/s
95th percentile per-packet one-way delay: 1.013 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 72.24 Mbit/s
95th percentile per-packet one-way delay: 1.014 ms
Loss rate: 0.02%
```

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



Run 2: Statistics of TaoVA-100x

Start at: 2019-09-18 23:51:48

End at: 2019-09-18 23:52:18

Local clock offset: -0.205 ms

Remote clock offset: 3.854 ms

Below is generated by plot.py at 2019-09-19 02:49:22

Datalink statistics

-- Total of 3 flows:

Average throughput: 268.29 Mbit/s

95th percentile per-packet one-way delay: 19.023 ms

Loss rate: 0.04%

-- Flow 1:

Average throughput: 182.42 Mbit/s

95th percentile per-packet one-way delay: 19.040 ms

Loss rate: 0.03%

-- Flow 2:

Average throughput: 81.01 Mbit/s

95th percentile per-packet one-way delay: 0.893 ms

Loss rate: 0.01%

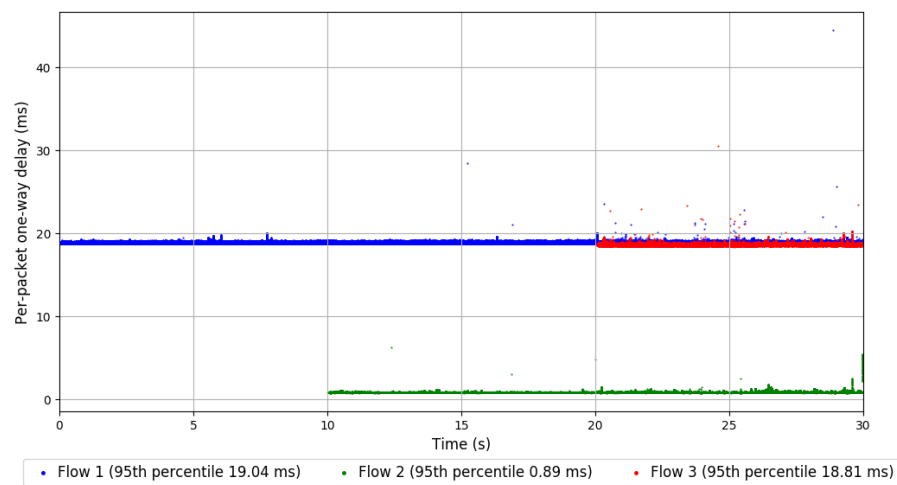
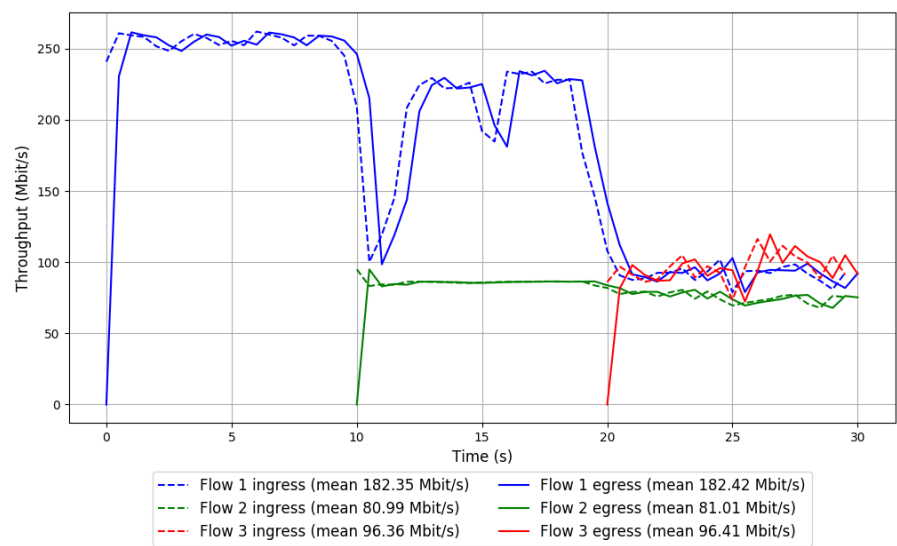
-- Flow 3:

Average throughput: 96.41 Mbit/s

95th percentile per-packet one-way delay: 18.810 ms

Loss rate: 0.14%

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



Run 3: Statistics of TaoVA-100x

Start at: 2019-09-19 00:26:57

End at: 2019-09-19 00:27:27

Local clock offset: 3.451 ms

Remote clock offset: 3.182 ms

Below is generated by plot.py at 2019-09-19 02:49:22

Datalink statistics

-- Total of 3 flows:

Average throughput: 257.38 Mbit/s

95th percentile per-packet one-way delay: 19.468 ms

Loss rate: 0.02%

-- Flow 1:

Average throughput: 200.52 Mbit/s

95th percentile per-packet one-way delay: 19.481 ms

Loss rate: 0.03%

-- Flow 2:

Average throughput: 79.85 Mbit/s

95th percentile per-packet one-way delay: 0.915 ms

Loss rate: 0.01%

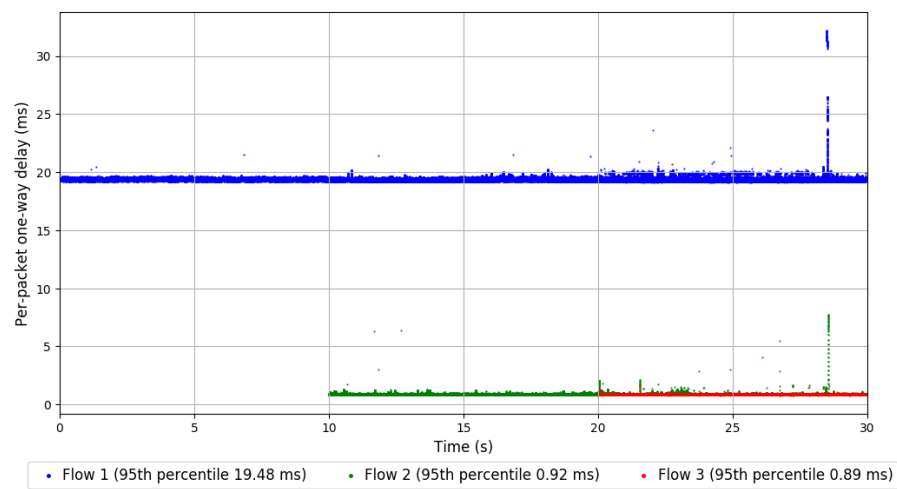
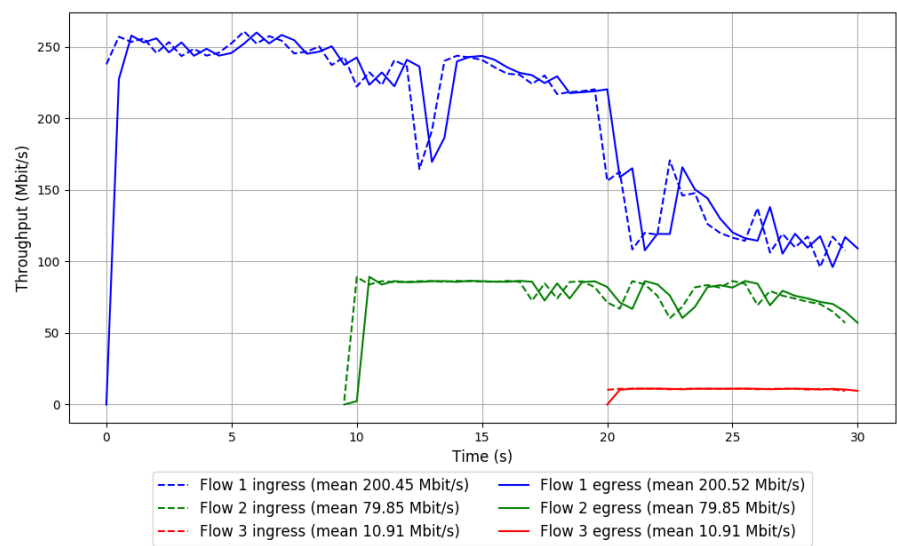
-- Flow 3:

Average throughput: 10.91 Mbit/s

95th percentile per-packet one-way delay: 0.888 ms

Loss rate: 0.02%

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



Run 4: Statistics of TaoVA-100x

Start at: 2019-09-19 01:02:22

End at: 2019-09-19 01:02:52

Local clock offset: -3.614 ms

Remote clock offset: 2.944 ms

Below is generated by plot.py at 2019-09-19 02:51:06

Datalink statistics

-- Total of 3 flows:

Average throughput: 329.42 Mbit/s

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

Loss rate: 0.05%

-- Flow 1:

Average throughput: 188.40 Mbit/s

95th percentile per-packet one-way delay: 19.179 ms

Loss rate: 0.01%

-- Flow 2:

Average throughput: 161.71 Mbit/s

95th percentile per-packet one-way delay: 18.704 ms

Loss rate: 0.04%

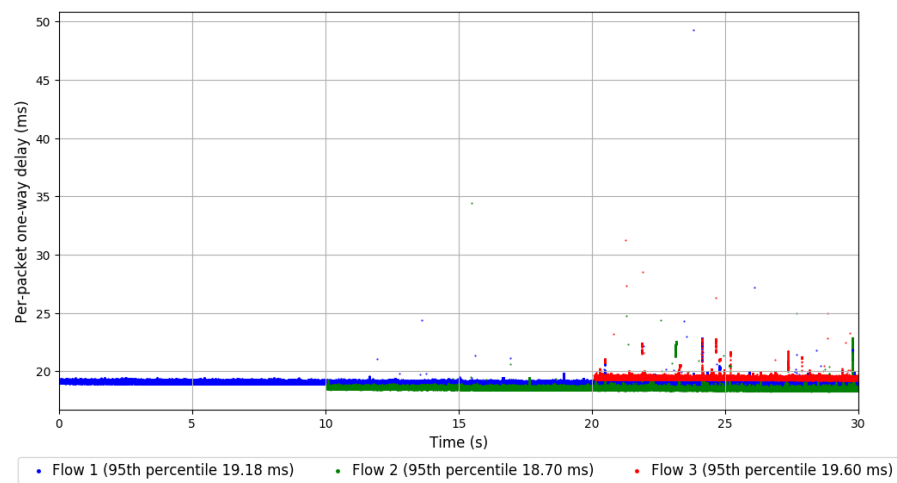
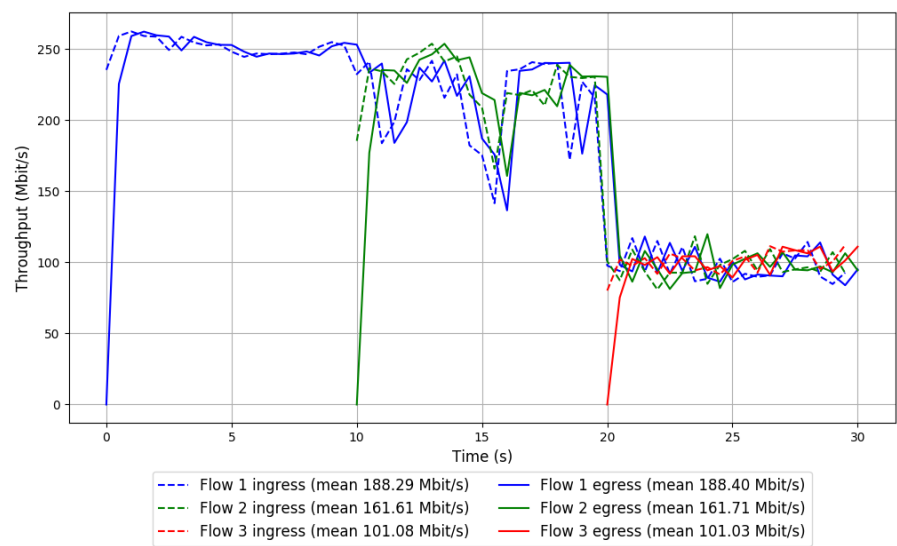
-- Flow 3:

Average throughput: 101.03 Mbit/s

95th percentile per-packet one-way delay: 19.602 ms

Loss rate: 0.26%

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

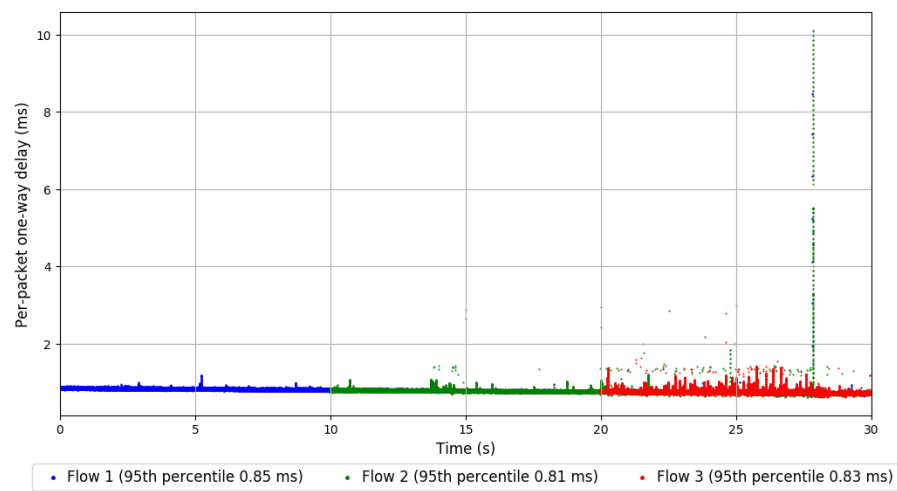
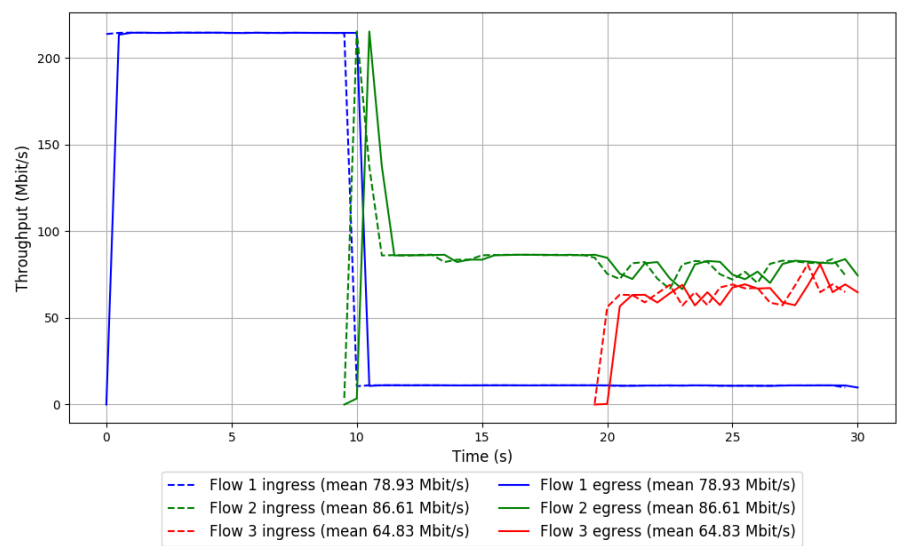


Run 5: Statistics of TaoVA-100x

Start at: 2019-09-19 01:37:44
End at: 2019-09-19 01:38:14
Local clock offset: 2.083 ms
Remote clock offset: -0.995 ms

Below is generated by plot.py at 2019-09-19 02:51:06
Datalink statistics
-- Total of 3 flows:
Average throughput: 158.20 Mbit/s
95th percentile per-packet one-way delay: 0.844 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 78.93 Mbit/s
95th percentile per-packet one-way delay: 0.850 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 86.61 Mbit/s
95th percentile per-packet one-way delay: 0.805 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 64.83 Mbit/s
95th percentile per-packet one-way delay: 0.827 ms
Loss rate: 0.02%

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

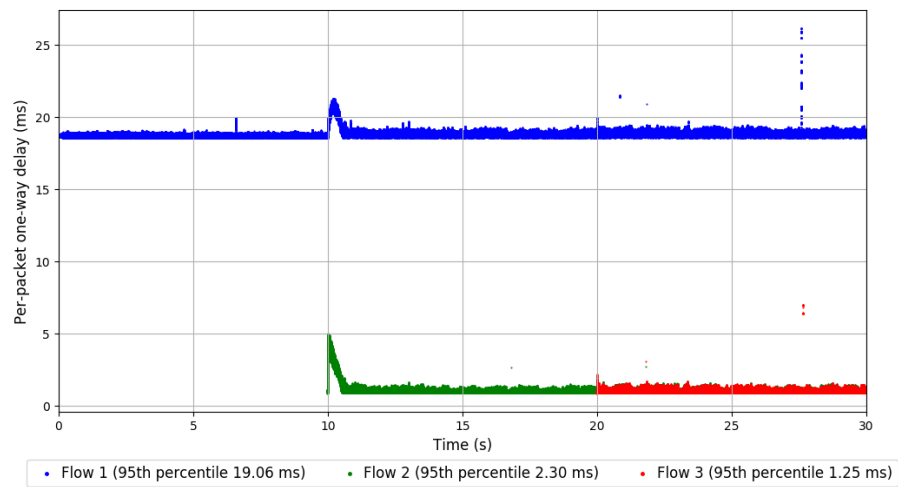
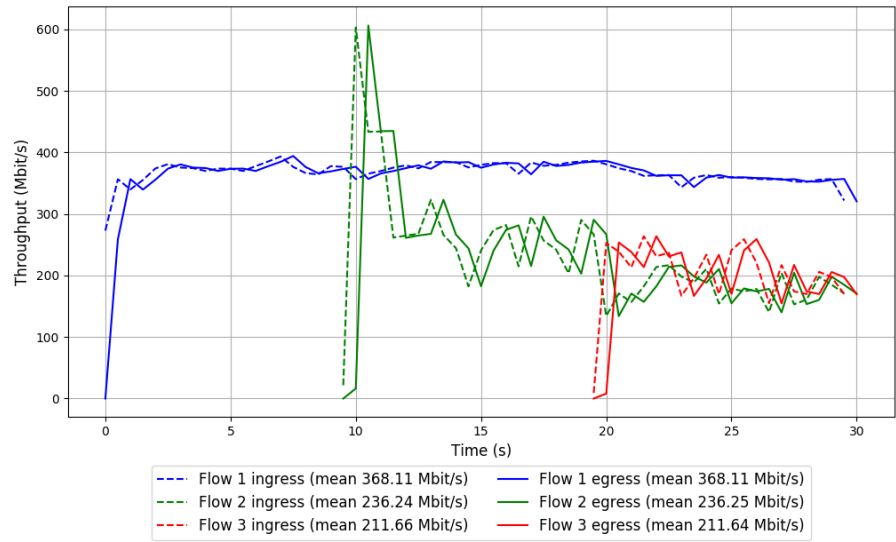


Run 1: Statistics of TCP Vegas

Start at: 2019-09-18 22:51:42
End at: 2019-09-18 22:52:12
Local clock offset: 0.362 ms
Remote clock offset: -0.118 ms

Below is generated by plot.py at 2019-09-19 02:51:06
Datalink statistics
-- Total of 3 flows:
Average throughput: 596.21 Mbit/s
95th percentile per-packet one-way delay: 19.005 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 368.11 Mbit/s
95th percentile per-packet one-way delay: 19.059 ms
Loss rate: 0.07%
-- Flow 2:
Average throughput: 236.25 Mbit/s
95th percentile per-packet one-way delay: 2.304 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 211.64 Mbit/s
95th percentile per-packet one-way delay: 1.245 ms
Loss rate: 0.02%

Run 1: Report of TCP Vegas — Data Link



Run 2: Statistics of TCP Vegas

Start at: 2019-09-18 23:26:57

End at: 2019-09-18 23:27:27

Local clock offset: -0.022 ms

Remote clock offset: 4.722 ms

Below is generated by plot.py at 2019-09-19 02:51:57

Datalink statistics

-- Total of 3 flows:

Average throughput: 658.15 Mbit/s

95th percentile per-packet one-way delay: 19.851 ms

Loss rate: 0.07%

-- Flow 1:

Average throughput: 204.13 Mbit/s

95th percentile per-packet one-way delay: 1.985 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 517.82 Mbit/s

95th percentile per-packet one-way delay: 19.947 ms

Loss rate: 0.08%

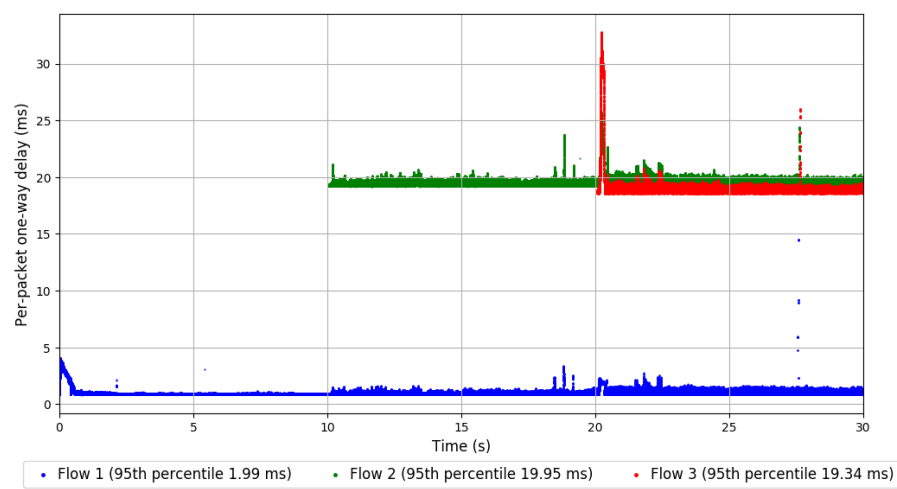
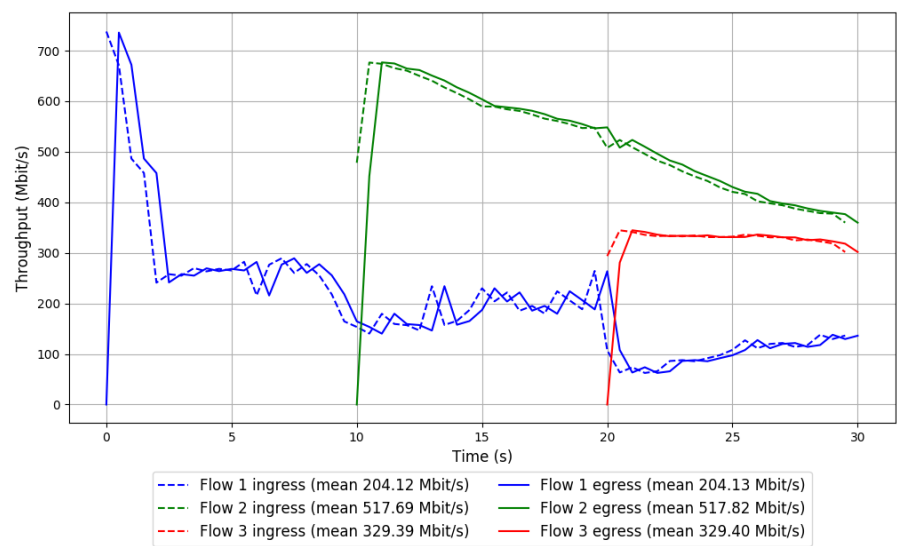
-- Flow 3:

Average throughput: 329.40 Mbit/s

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

Loss rate: 0.19%

Run 2: Report of TCP Vegas — Data Link



Run 3: Statistics of TCP Vegas

Start at: 2019-09-19 00:02:00

End at: 2019-09-19 00:02:30

Local clock offset: 0.232 ms

Remote clock offset: 3.915 ms

Below is generated by plot.py at 2019-09-19 02:53:02

Datalink statistics

-- Total of 3 flows:

Average throughput: 607.14 Mbit/s

95th percentile per-packet one-way delay: 19.905 ms

Loss rate: 0.07%

-- Flow 1:

Average throughput: 225.35 Mbit/s

95th percentile per-packet one-way delay: 20.018 ms

Loss rate: 0.08%

-- Flow 2:

Average throughput: 488.12 Mbit/s

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

Loss rate: 0.07%

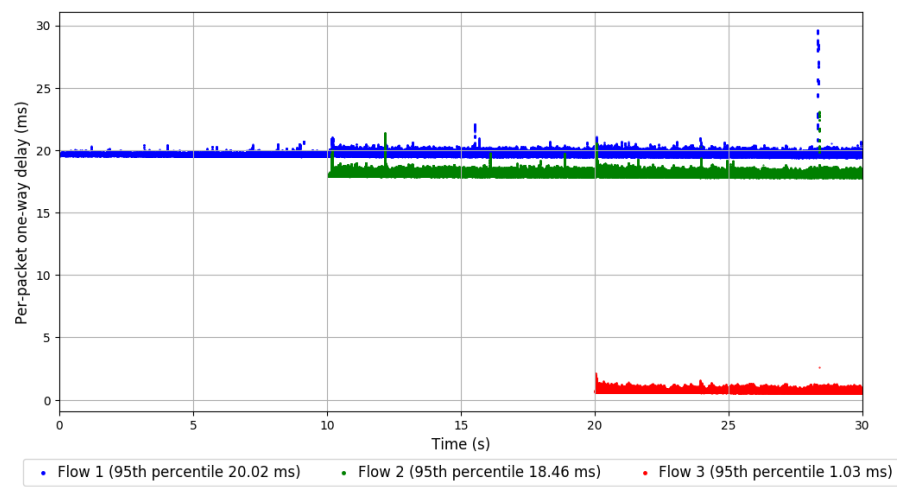
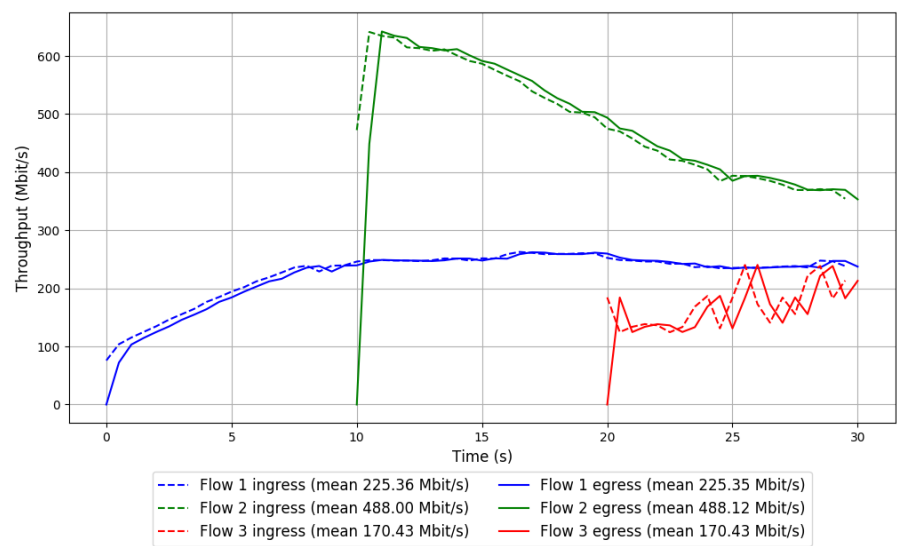
-- Flow 3:

Average throughput: 170.43 Mbit/s

95th percentile per-packet one-way delay: 1.028 ms

Loss rate: 0.02%

Run 3: Report of TCP Vegas — Data Link



Run 4: Statistics of TCP Vegas

Start at: 2019-09-19 00:37:20

End at: 2019-09-19 00:37:50

Local clock offset: -0.417 ms

Remote clock offset: 3.222 ms

Below is generated by plot.py at 2019-09-19 02:54:54

Datalink statistics

-- Total of 3 flows:

Average throughput: 725.87 Mbit/s

95th percentile per-packet one-way delay: 20.030 ms

Loss rate: 0.06%

-- Flow 1:

Average throughput: 496.84 Mbit/s

95th percentile per-packet one-way delay: 19.150 ms

Loss rate: 0.04%

-- Flow 2:

Average throughput: 172.59 Mbit/s

95th percentile per-packet one-way delay: 1.652 ms

Loss rate: 0.01%

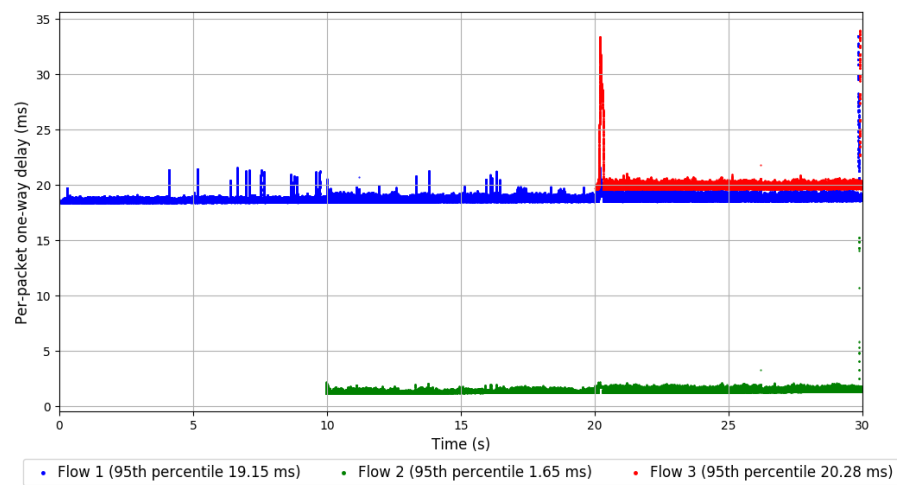
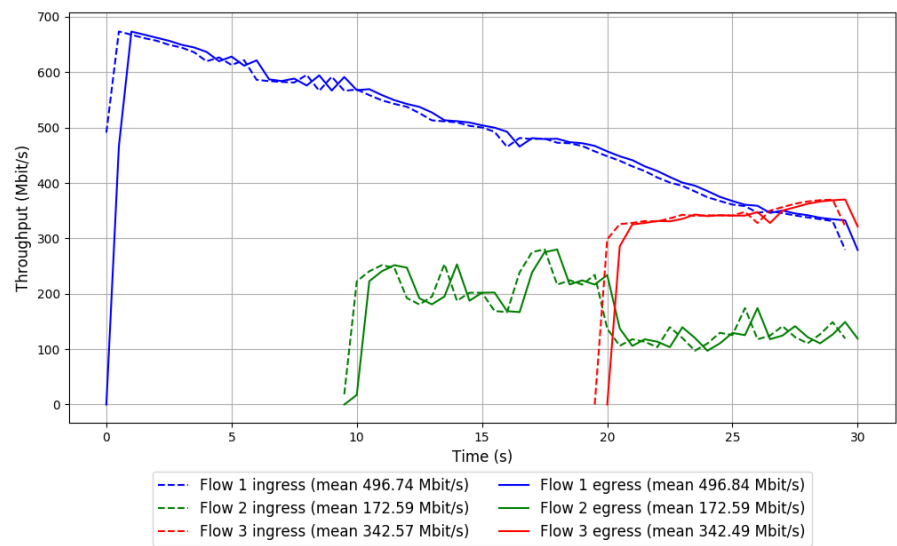
-- Flow 3:

Average throughput: 342.49 Mbit/s

95th percentile per-packet one-way delay: 20.281 ms

Loss rate: 0.22%

Run 4: Report of TCP Vegas — Data Link



Run 5: Statistics of TCP Vegas

Start at: 2019-09-19 01:12:40

End at: 2019-09-19 01:13:10

Local clock offset: -0.929 ms

Remote clock offset: 2.97 ms

Below is generated by plot.py at 2019-09-19 02:55:55

Datalink statistics

-- Total of 3 flows:

Average throughput: 701.00 Mbit/s

95th percentile per-packet one-way delay: 19.503 ms

Loss rate: 0.08%

-- Flow 1:

Average throughput: 405.93 Mbit/s

95th percentile per-packet one-way delay: 19.081 ms

Loss rate: 0.04%

-- Flow 2:

Average throughput: 295.48 Mbit/s

95th percentile per-packet one-way delay: 19.348 ms

Loss rate: 0.09%

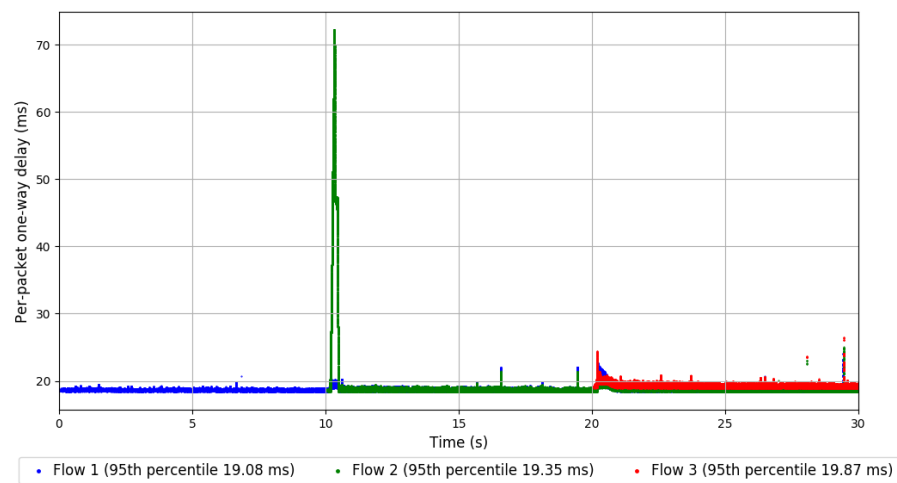
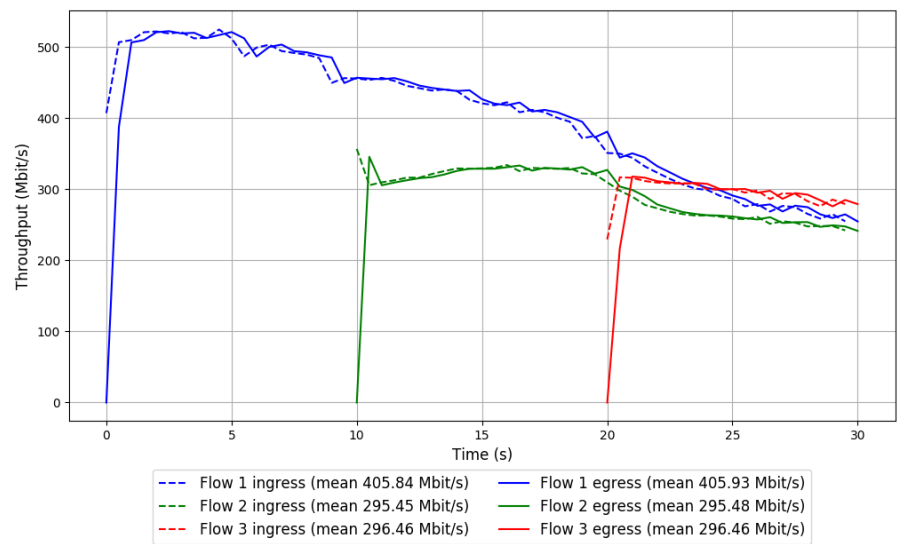
-- Flow 3:

Average throughput: 296.46 Mbit/s

95th percentile per-packet one-way delay: 19.870 ms

Loss rate: 0.20%

Run 5: Report of TCP Vegas — Data Link



Run 1: Statistics of Verus

Start at: 2019-09-18 22:47:25

End at: 2019-09-18 22:47:55

Local clock offset: 0.664 ms

Remote clock offset: 0.044 ms

Below is generated by plot.py at 2019-09-19 02:55:55

Datalink statistics

-- Total of 3 flows:

Average throughput: 388.46 Mbit/s

95th percentile per-packet one-way delay: 24.274 ms

Loss rate: 0.10%

-- Flow 1:

Average throughput: 260.70 Mbit/s

95th percentile per-packet one-way delay: 25.521 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 116.40 Mbit/s

95th percentile per-packet one-way delay: 2.671 ms

Loss rate: 0.00%

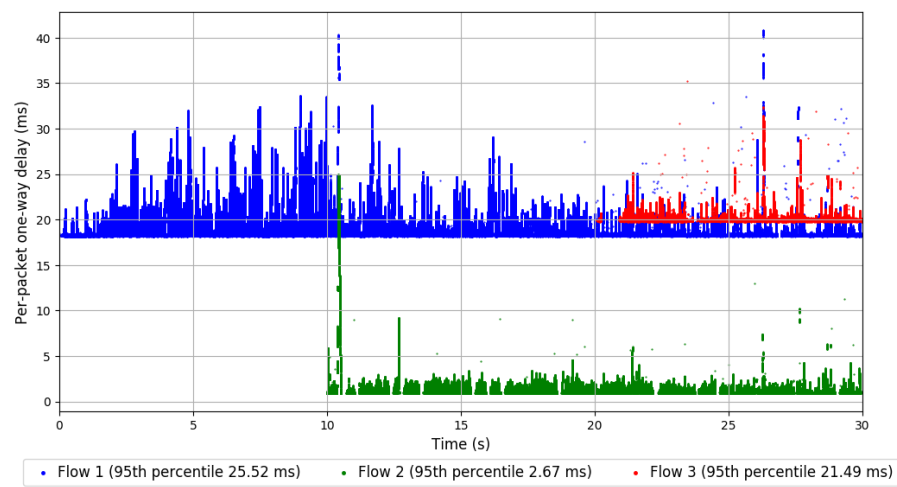
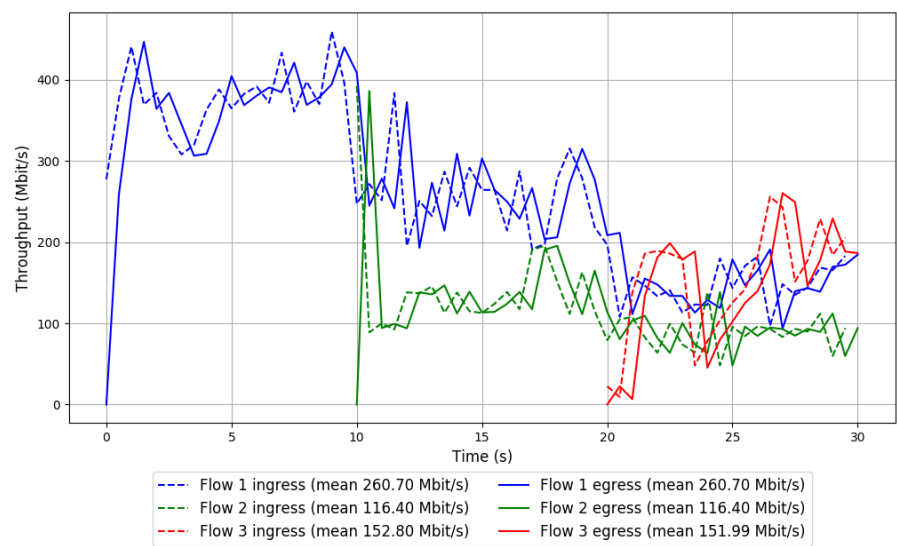
-- Flow 3:

Average throughput: 151.99 Mbit/s

95th percentile per-packet one-way delay: 21.489 ms

Loss rate: 0.75%

Run 1: Report of Verus — Data Link



Run 2: Statistics of Verus

Start at: 2019-09-18 23:22:38

End at: 2019-09-18 23:23:08

Local clock offset: 0.044 ms

Remote clock offset: 4.175 ms

Below is generated by plot.py at 2019-09-19 02:55:55

Datalink statistics

-- Total of 3 flows:

Average throughput: 436.09 Mbit/s

95th percentile per-packet one-way delay: 22.944 ms

Loss rate: 0.05%

-- Flow 1:

Average throughput: 220.49 Mbit/s

95th percentile per-packet one-way delay: 22.095 ms

Loss rate: 0.03%

-- Flow 2:

Average throughput: 260.63 Mbit/s

95th percentile per-packet one-way delay: 34.254 ms

Loss rate: 0.00%

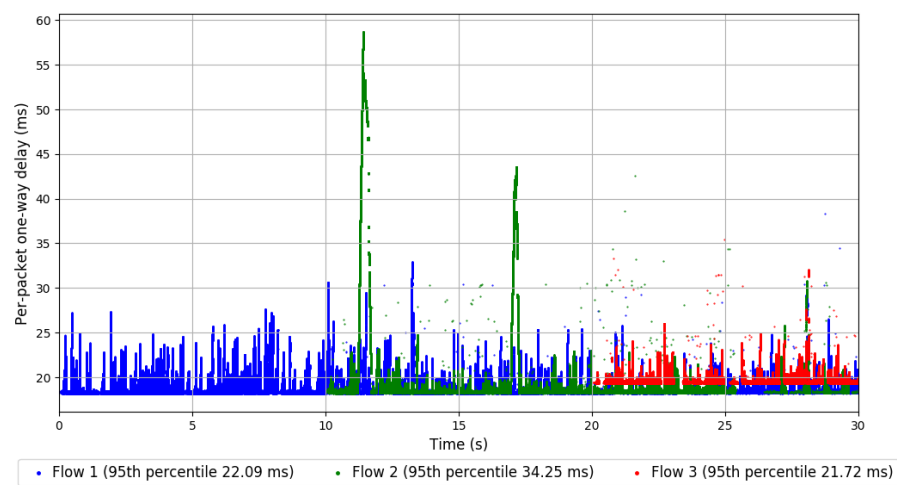
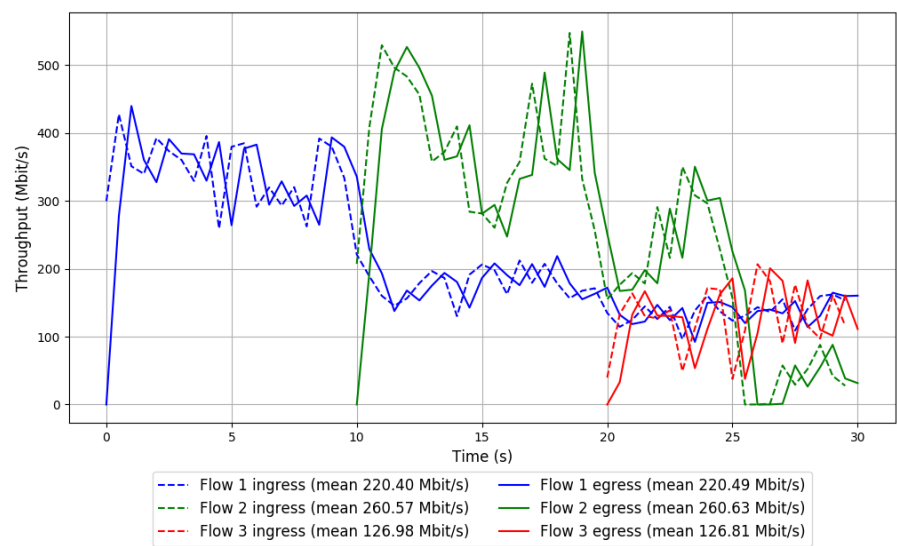
-- Flow 3:

Average throughput: 126.81 Mbit/s

95th percentile per-packet one-way delay: 21.720 ms

Loss rate: 0.34%

Run 2: Report of Verus — Data Link



Run 3: Statistics of Verus

Start at: 2019-09-18 23:57:48

End at: 2019-09-18 23:58:18

Local clock offset: -0.287 ms

Remote clock offset: 3.859 ms

Below is generated by plot.py at 2019-09-19 02:55:55

Datalink statistics

-- Total of 3 flows:

Average throughput: 294.68 Mbit/s

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

Loss rate: 0.00%

-- Flow 1:

Average throughput: 142.15 Mbit/s

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

Loss rate: 0.01%

-- Flow 2:

Average throughput: 185.11 Mbit/s

95th percentile per-packet one-way delay: 23.363 ms

Loss rate: 0.00%

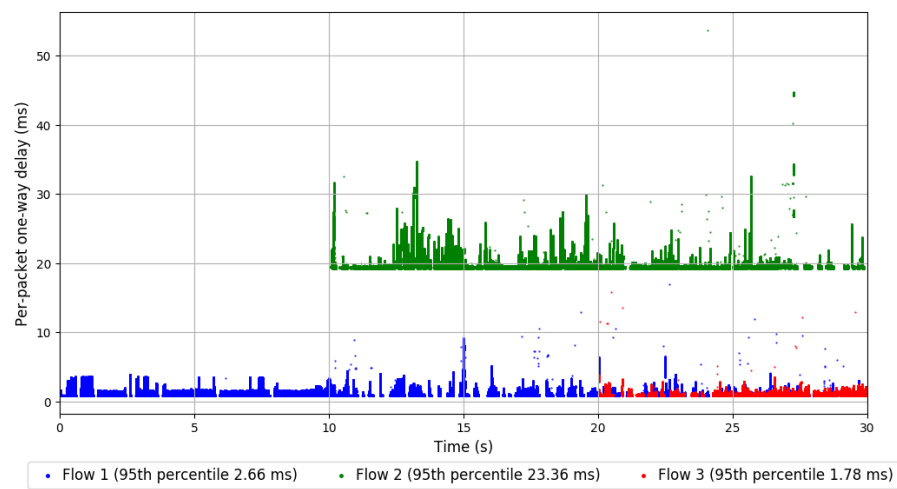
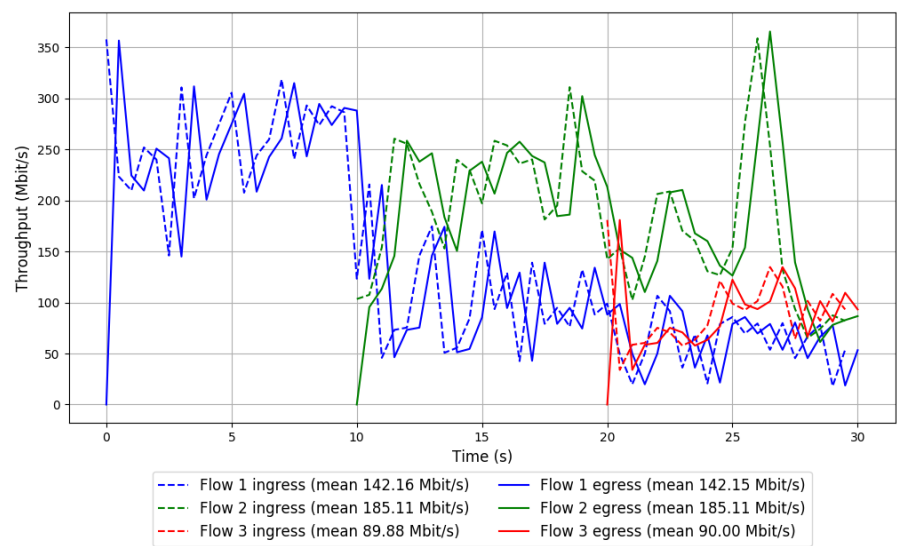
-- Flow 3:

Average throughput: 90.00 Mbit/s

95th percentile per-packet one-way delay: 1.782 ms

Loss rate: 0.00%

Run 3: Report of Verus — Data Link



Run 4: Statistics of Verus

Start at: 2019-09-19 00:33:00

End at: 2019-09-19 00:33:30

Local clock offset: 1.843 ms

Remote clock offset: 3.304 ms

Below is generated by plot.py at 2019-09-19 02:55:55

Datalink statistics

-- Total of 3 flows:

Average throughput: 314.31 Mbit/s

95th percentile per-packet one-way delay: 19.883 ms

Loss rate: 0.05%

-- Flow 1:

Average throughput: 182.57 Mbit/s

95th percentile per-packet one-way delay: 2.742 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 126.20 Mbit/s

95th percentile per-packet one-way delay: 2.192 ms

Loss rate: 0.01%

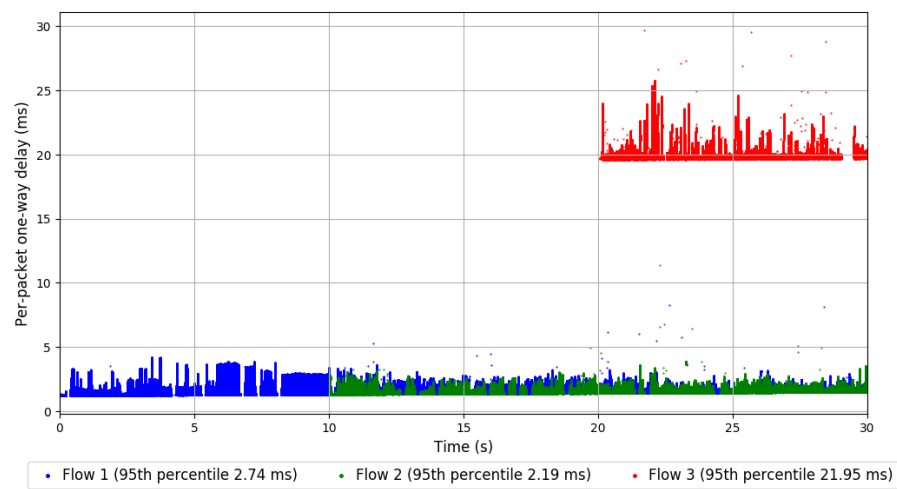
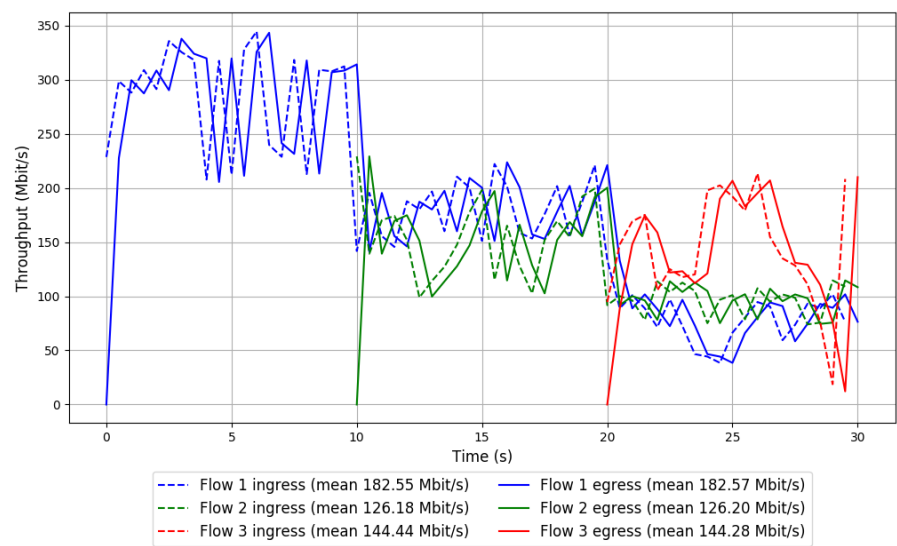
-- Flow 3:

Average throughput: 144.28 Mbit/s

95th percentile per-packet one-way delay: 21.945 ms

Loss rate: 0.30%

Run 4: Report of Verus — Data Link

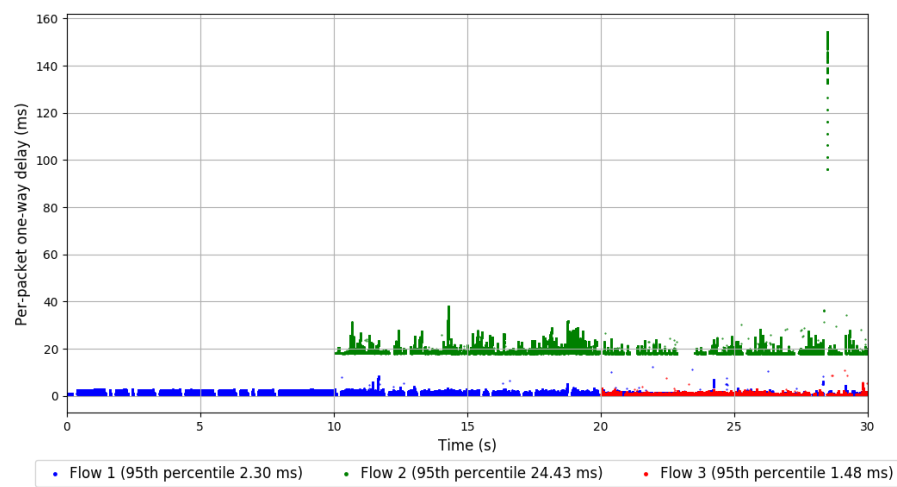
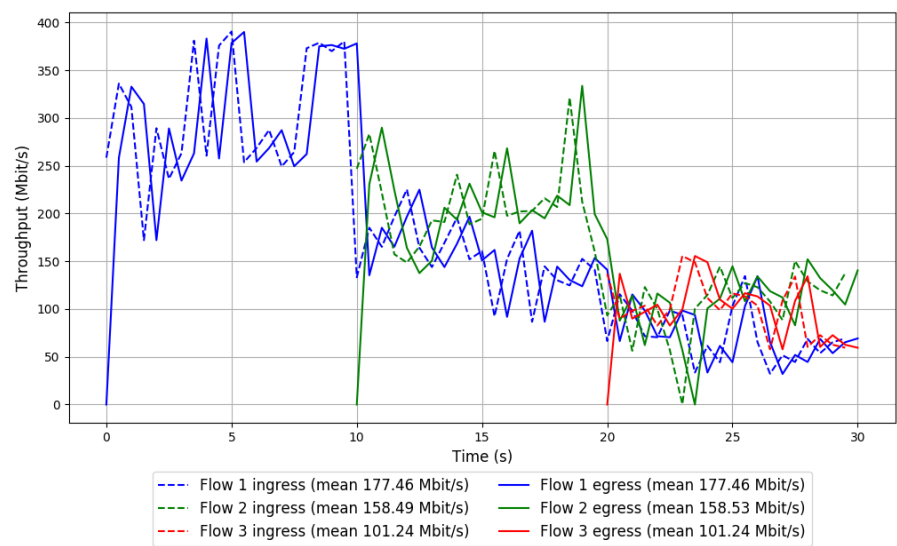


Run 5: Statistics of Verus

Start at: 2019-09-19 01:08:32
End at: 2019-09-19 01:09:02
Local clock offset: -1.634 ms
Remote clock offset: 3.028 ms

Below is generated by plot.py at 2019-09-19 02:56:04
Datalink statistics
-- Total of 3 flows:
Average throughput: 316.49 Mbit/s
95th percentile per-packet one-way delay: 21.331 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 177.46 Mbit/s
95th percentile per-packet one-way delay: 2.300 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 158.53 Mbit/s
95th percentile per-packet one-way delay: 24.428 ms
Loss rate: 0.10%
-- Flow 3:
Average throughput: 101.24 Mbit/s
95th percentile per-packet one-way delay: 1.483 ms
Loss rate: 0.00%

Run 5: Report of Verus — Data Link

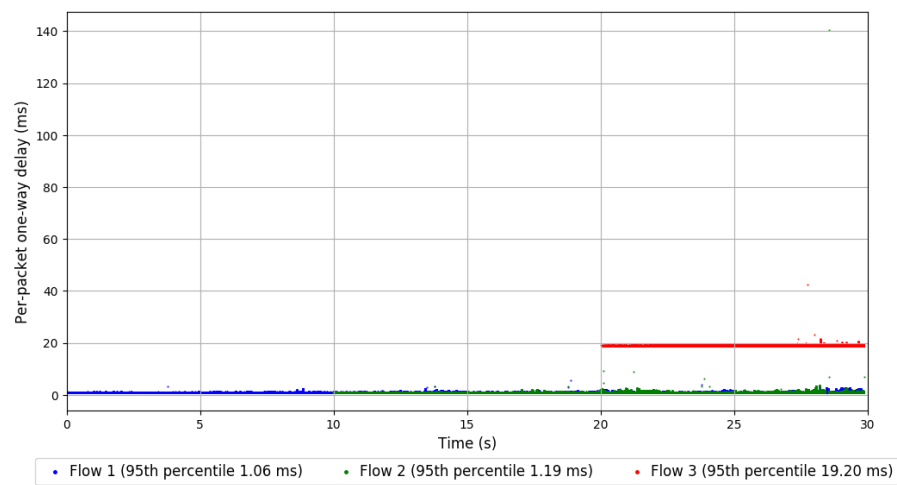
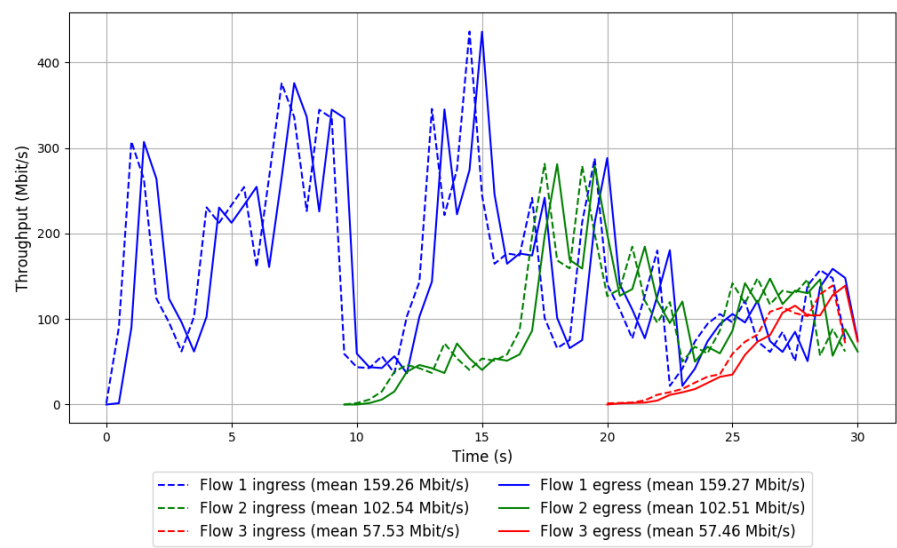


Run 1: Statistics of PCC-Vivace

Start at: 2019-09-18 22:59:19
End at: 2019-09-18 22:59:49
Local clock offset: 0.107 ms
Remote clock offset: -0.229 ms

Below is generated by plot.py at 2019-09-19 02:56:16
Datalink statistics
-- Total of 3 flows:
Average throughput: 246.39 Mbit/s
95th percentile per-packet one-way delay: 19.001 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 159.27 Mbit/s
95th percentile per-packet one-way delay: 1.059 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 102.51 Mbit/s
95th percentile per-packet one-way delay: 1.193 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 57.46 Mbit/s
95th percentile per-packet one-way delay: 19.198 ms
Loss rate: 0.32%

Run 1: Report of PCC-Vivace — Data Link



Run 2: Statistics of PCC-Vivace

Start at: 2019-09-18 23:34:26

End at: 2019-09-18 23:34:56

Local clock offset: -0.027 ms

Remote clock offset: 5.364 ms

Below is generated by plot.py at 2019-09-19 02:57:35

Datalink statistics

-- Total of 3 flows:

Average throughput: 376.56 Mbit/s

95th percentile per-packet one-way delay: 19.952 ms

Loss rate: 0.06%

-- Flow 1:

Average throughput: 221.43 Mbit/s

95th percentile per-packet one-way delay: 18.861 ms

Loss rate: 0.06%

-- Flow 2:

Average throughput: 173.27 Mbit/s

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

Loss rate: 0.02%

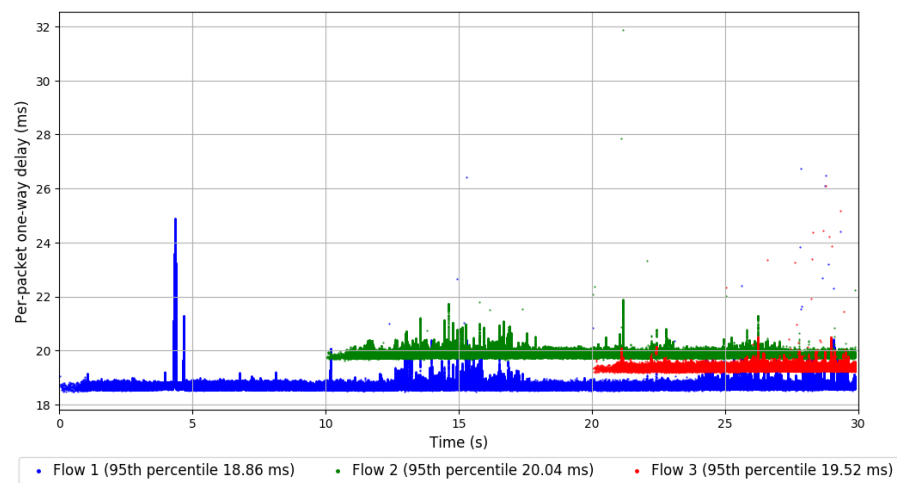
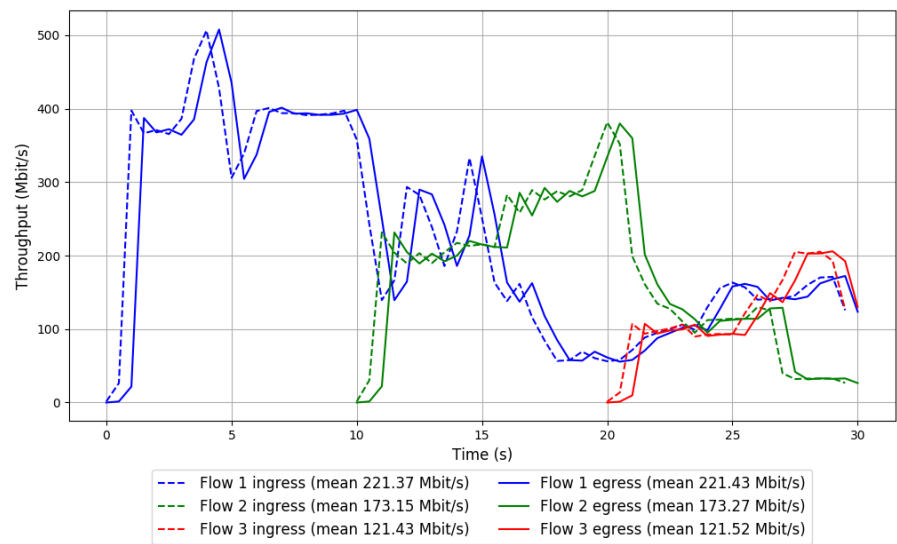
-- Flow 3:

Average throughput: 121.52 Mbit/s

95th percentile per-packet one-way delay: 19.520 ms

Loss rate: 0.20%

Run 2: Report of PCC-Vivace — Data Link



Run 3: Statistics of PCC-Vivace

Start at: 2019-09-19 00:09:37

End at: 2019-09-19 00:10:07

Local clock offset: 2.063 ms

Remote clock offset: 4.084 ms

Below is generated by plot.py at 2019-09-19 02:57:41

Datalink statistics

-- Total of 3 flows:

Average throughput: 365.89 Mbit/s

95th percentile per-packet one-way delay: 19.011 ms

Loss rate: 0.05%

-- Flow 1:

Average throughput: 278.72 Mbit/s

95th percentile per-packet one-way delay: 18.357 ms

Loss rate: 0.04%

-- Flow 2:

Average throughput: 89.74 Mbit/s

95th percentile per-packet one-way delay: 1.079 ms

Loss rate: 0.01%

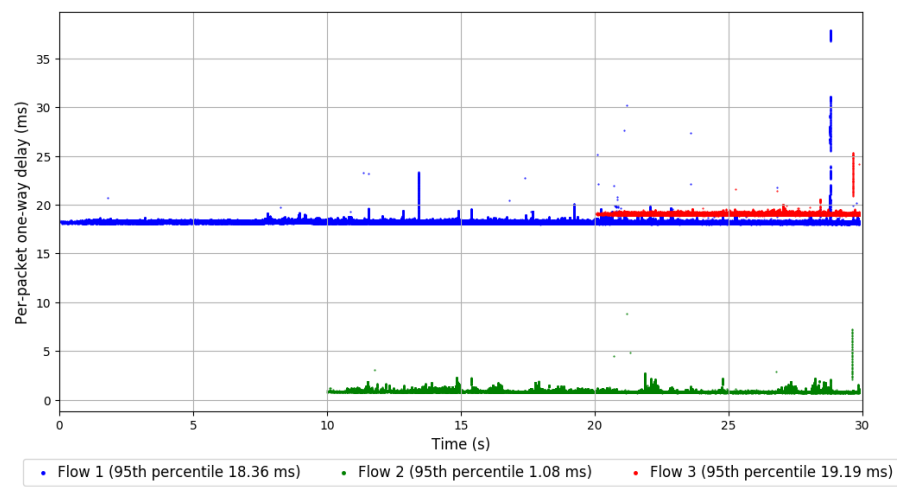
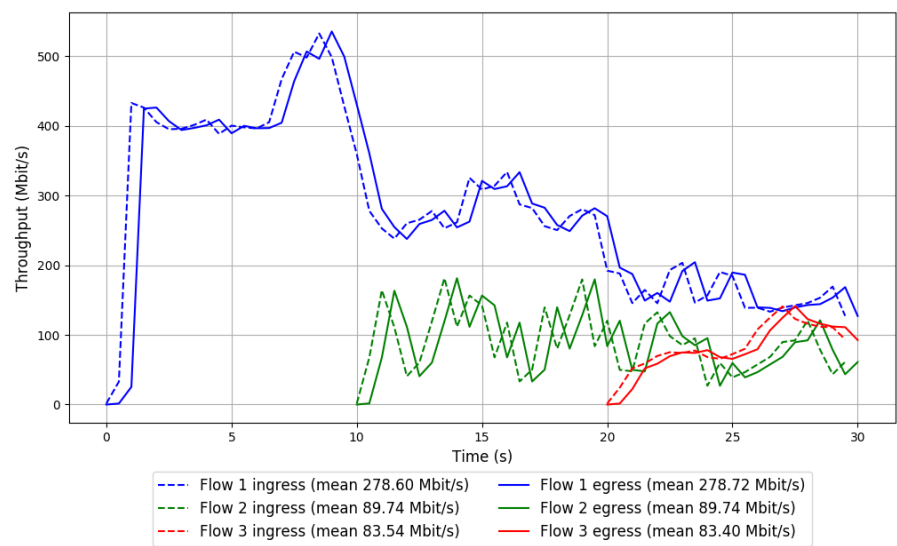
-- Flow 3:

Average throughput: 83.40 Mbit/s

95th percentile per-packet one-way delay: 19.186 ms

Loss rate: 0.31%

Run 3: Report of PCC-Vivace — Data Link



Run 4: Statistics of PCC-Vivace

Start at: 2019-09-19 00:45:02

End at: 2019-09-19 00:45:32

Local clock offset: -2.585 ms

Remote clock offset: 3.345 ms

Below is generated by plot.py at 2019-09-19 02:57:41

Datalink statistics

-- Total of 3 flows:

Average throughput: 344.32 Mbit/s

95th percentile per-packet one-way delay: 19.394 ms

Loss rate: 0.07%

-- Flow 1:

Average throughput: 255.88 Mbit/s

95th percentile per-packet one-way delay: 19.383 ms

Loss rate: 0.02%

-- Flow 2:

Average throughput: 80.58 Mbit/s

95th percentile per-packet one-way delay: 19.416 ms

Loss rate: 0.18%

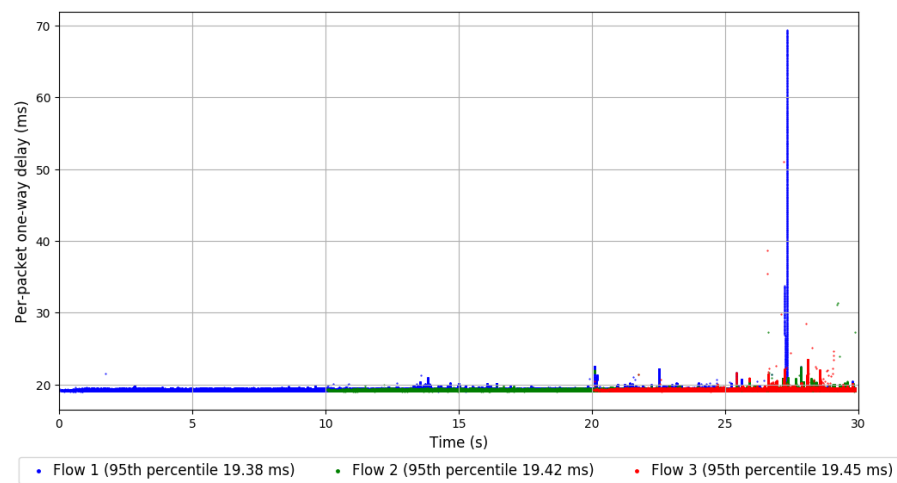
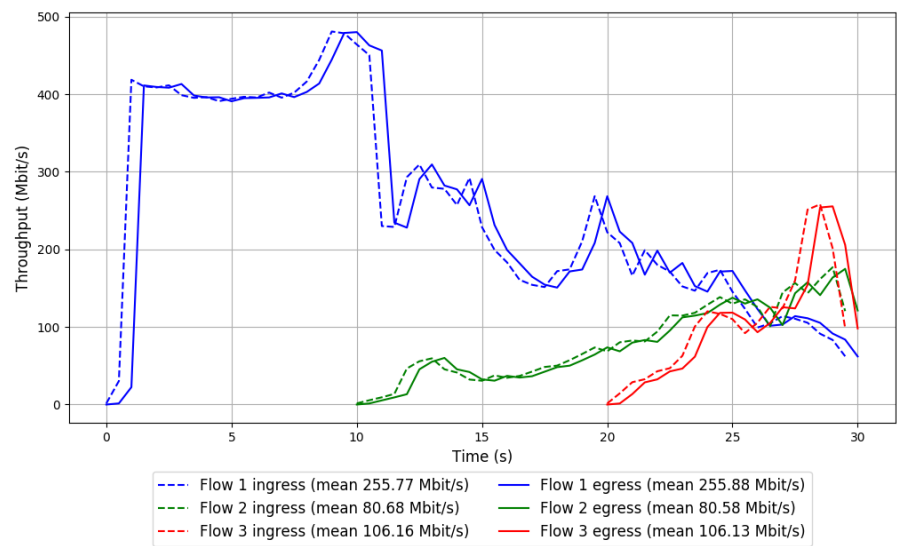
-- Flow 3:

Average throughput: 106.13 Mbit/s

95th percentile per-packet one-way delay: 19.446 ms

Loss rate: 0.28%

Run 4: Report of PCC-Vivace — Data Link



Run 5: Statistics of PCC-Vivace

Start at: 2019-09-19 01:20:18

End at: 2019-09-19 01:20:48

Local clock offset: -0.246 ms

Remote clock offset: 2.294 ms

Below is generated by plot.py at 2019-09-19 02:57:41

Datalink statistics

-- Total of 3 flows:

Average throughput: 291.50 Mbit/s

95th percentile per-packet one-way delay: 0.826 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 175.92 Mbit/s

95th percentile per-packet one-way delay: 0.808 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 124.39 Mbit/s

95th percentile per-packet one-way delay: 1.042 ms

Loss rate: 0.00%

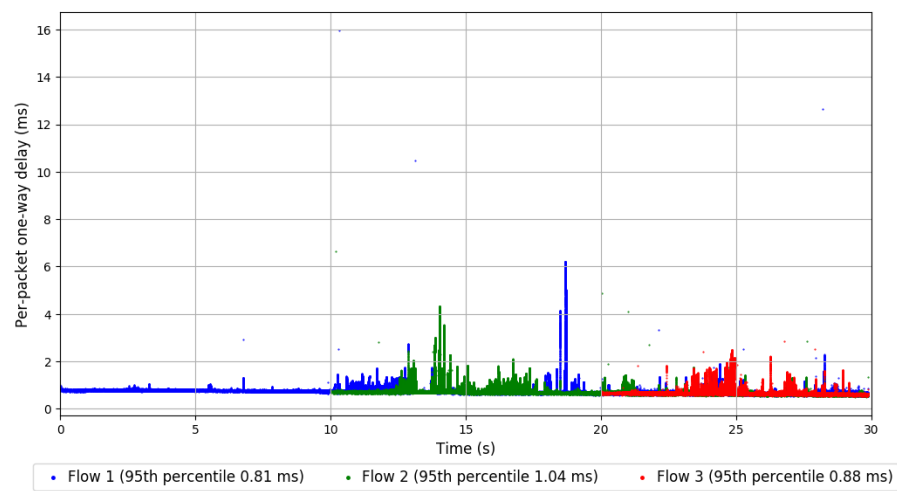
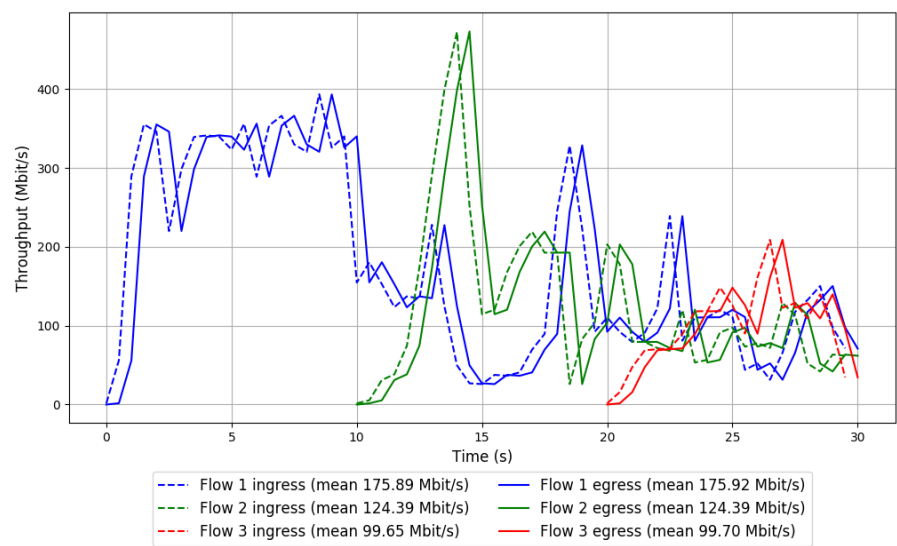
-- Flow 3:

Average throughput: 99.70 Mbit/s

95th percentile per-packet one-way delay: 0.875 ms

Loss rate: 0.01%

Run 5: Report of PCC-Vivace — Data Link

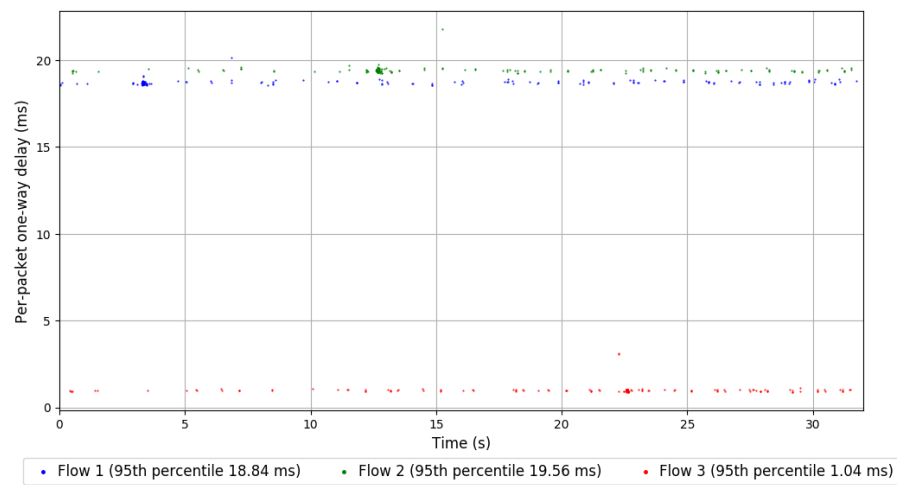
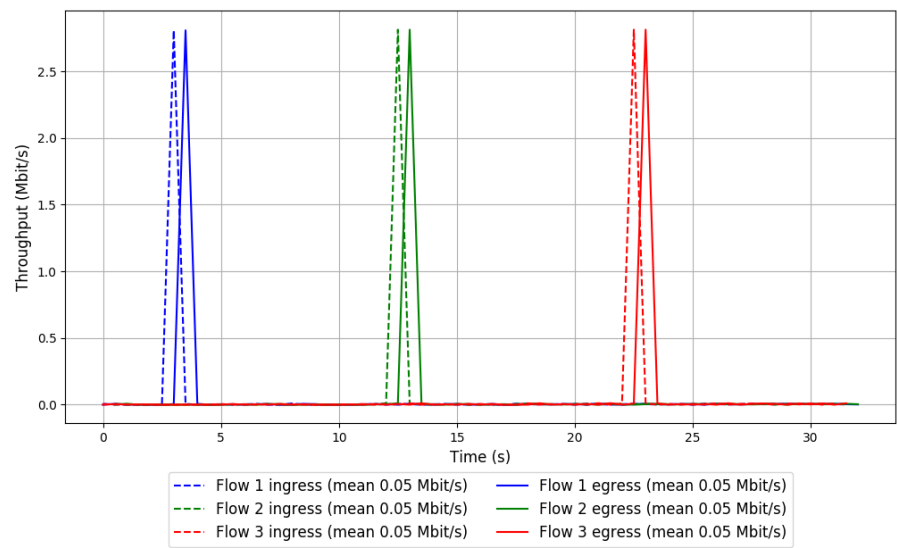


Run 1: Statistics of WebRTC media

Start at: 2019-09-18 22:48:58
End at: 2019-09-18 22:49:28
Local clock offset: 0.562 ms
Remote clock offset: -0.019 ms

Below is generated by plot.py at 2019-09-19 02:57:41
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.14 Mbit/s
95th percentile per-packet one-way delay: 19.492 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 18.845 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 19.557 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 1.041 ms
Loss rate: 0.00%

Run 1: Report of WebRTC media — Data Link



Run 2: Statistics of WebRTC media

Start at: 2019-09-18 23:24:13

End at: 2019-09-18 23:24:43

Local clock offset: 0.008 ms

Remote clock offset: 4.357 ms

Below is generated by plot.py at 2019-09-19 02:57:41

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.14 Mbit/s

95th percentile per-packet one-way delay: 18.776 ms

Loss rate: 0.03%

-- Flow 1:

Average throughput: 0.05 Mbit/s

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

Loss rate: 0.05%

-- Flow 2:

Average throughput: 0.05 Mbit/s

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

Loss rate: 0.05%

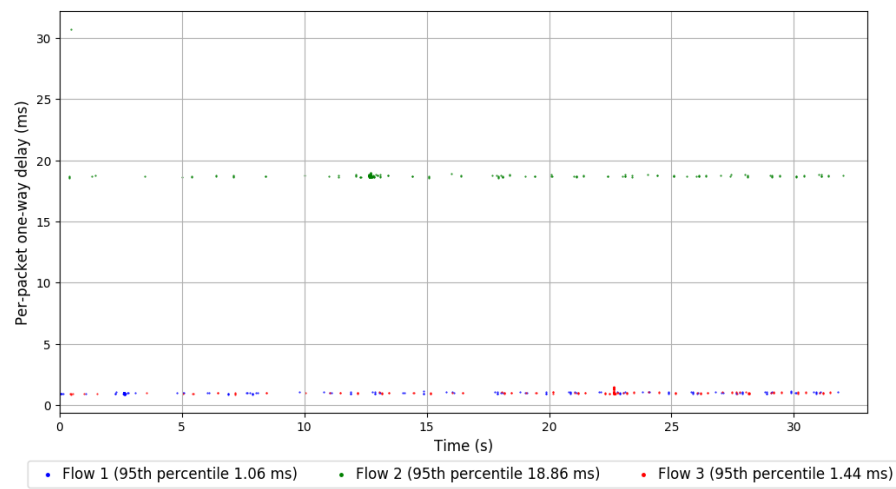
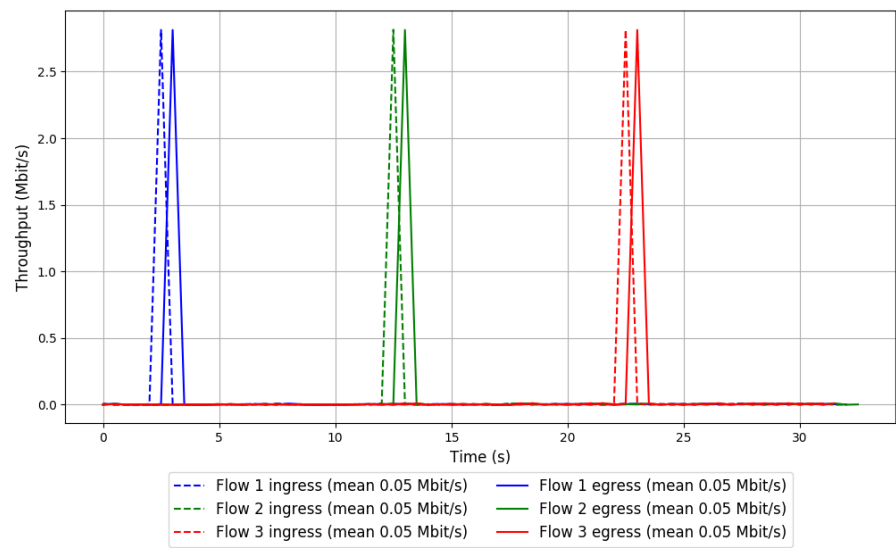
-- Flow 3:

Average throughput: 0.05 Mbit/s

95th percentile per-packet one-way delay: 1.444 ms

Loss rate: 0.00%

Run 2: Report of WebRTC media — Data Link



Run 3: Statistics of WebRTC media

Start at: 2019-09-18 23:59:16

End at: 2019-09-18 23:59:46

Local clock offset: -0.354 ms

Remote clock offset: 3.909 ms

Below is generated by plot.py at 2019-09-19 02:57:41

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.14 Mbit/s

95th percentile per-packet one-way delay: 18.980 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 0.05 Mbit/s

95th percentile per-packet one-way delay: 0.958 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 0.05 Mbit/s

95th percentile per-packet one-way delay: 0.950 ms

Loss rate: 0.00%

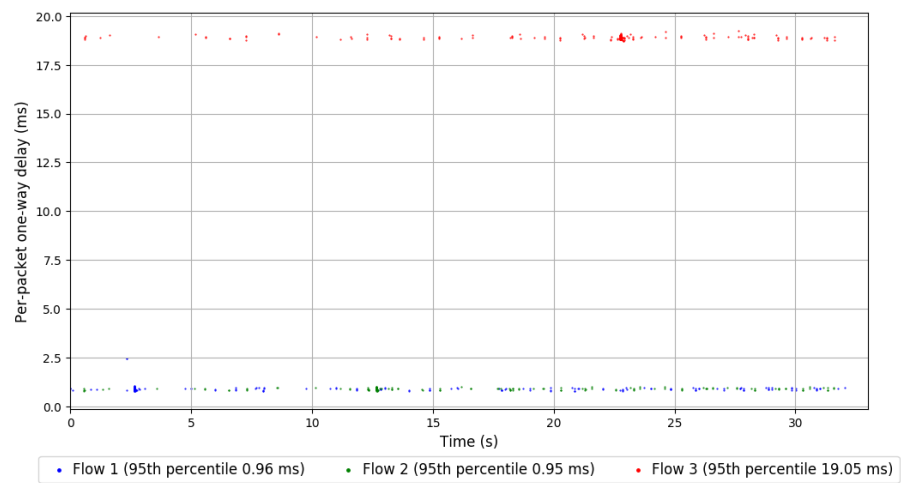
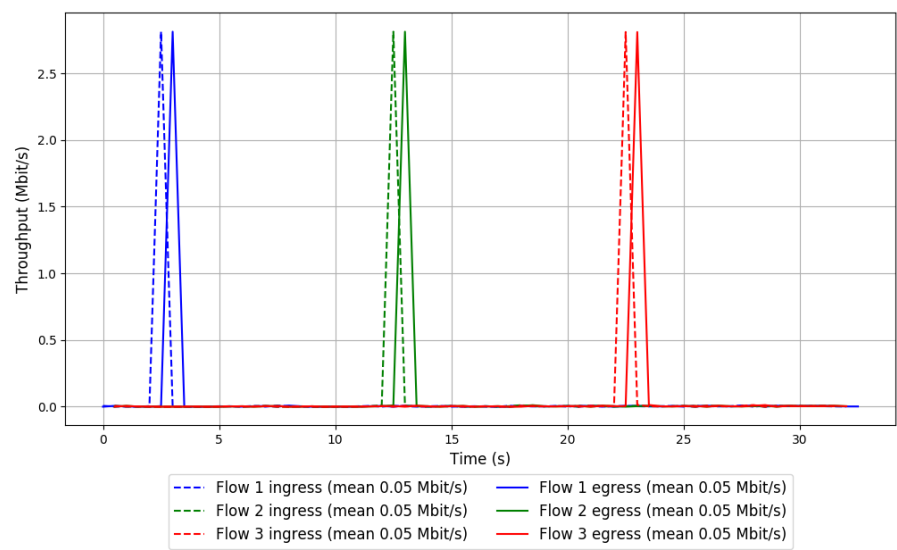
-- Flow 3:

Average throughput: 0.05 Mbit/s

95th percentile per-packet one-way delay: 19.055 ms

Loss rate: 0.00%

Run 3: Report of WebRTC media — Data Link



Run 4: Statistics of WebRTC media

Start at: 2019-09-19 00:34:30

End at: 2019-09-19 00:35:00

Local clock offset: 0.93 ms

Remote clock offset: 3.239 ms

Below is generated by plot.py at 2019-09-19 02:57:41

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.14 Mbit/s

95th percentile per-packet one-way delay: 19.905 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 0.05 Mbit/s

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

Loss rate: 0.00%

-- Flow 2:

Average throughput: 0.05 Mbit/s

95th percentile per-packet one-way delay: 1.480 ms

Loss rate: 0.00%

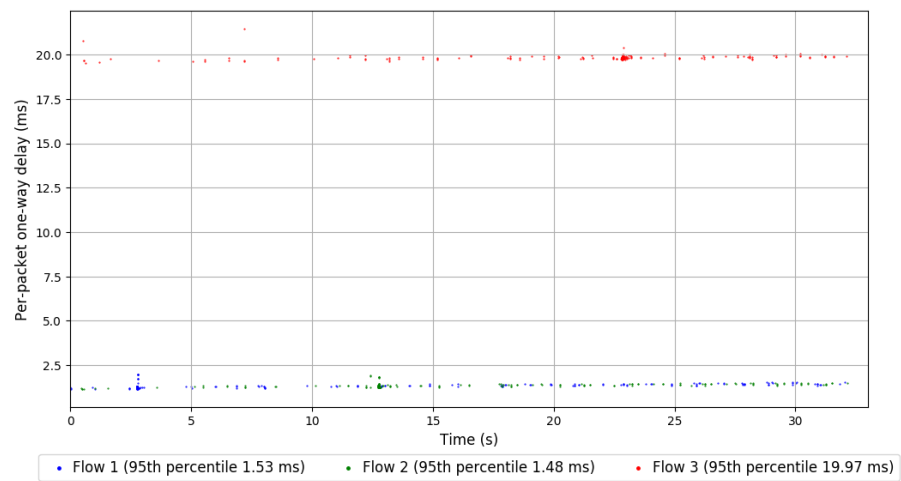
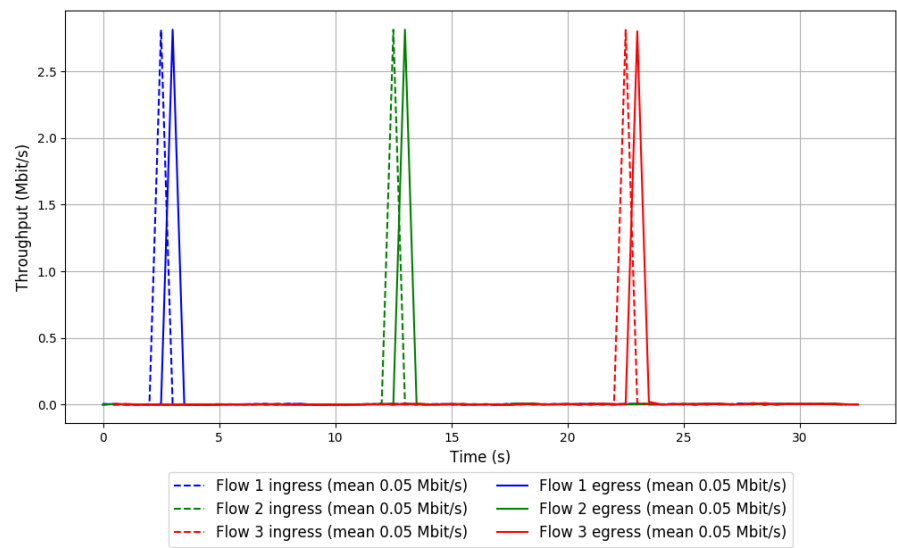
-- Flow 3:

Average throughput: 0.05 Mbit/s

95th percentile per-packet one-way delay: 19.969 ms

Loss rate: 0.00%

Run 4: Report of WebRTC media — Data Link



Run 5: Statistics of WebRTC media

Start at: 2019-09-19 01:10:02

End at: 2019-09-19 01:10:32

Local clock offset: -1.368 ms

Remote clock offset: 3.063 ms

Below is generated by plot.py at 2019-09-19 02:57:41

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.14 Mbit/s

95th percentile per-packet one-way delay: 0.758 ms

Loss rate: 0.02%

-- Flow 1:

Average throughput: 0.05 Mbit/s

95th percentile per-packet one-way delay: 0.776 ms

Loss rate: 0.05%

-- Flow 2:

Average throughput: 0.05 Mbit/s

95th percentile per-packet one-way delay: 0.736 ms

Loss rate: 0.00%

-- Flow 3:

Average throughput: 0.05 Mbit/s

95th percentile per-packet one-way delay: 0.739 ms

Loss rate: 0.00%

Run 5: Report of WebRTC media — Data Link

