

Pantheon Report

Generated at 2019-08-27 03:00:46 (UTC).

Data path: AWS California 1 on `ens5` (*local*) → Stanford on `eno1` (*remote*).

Repeated the test of 24 congestion control schemes 5 times.

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

NTP offsets were measured against `time.stanford.edu` and have been applied to correct the timestamps in logs.

System info:

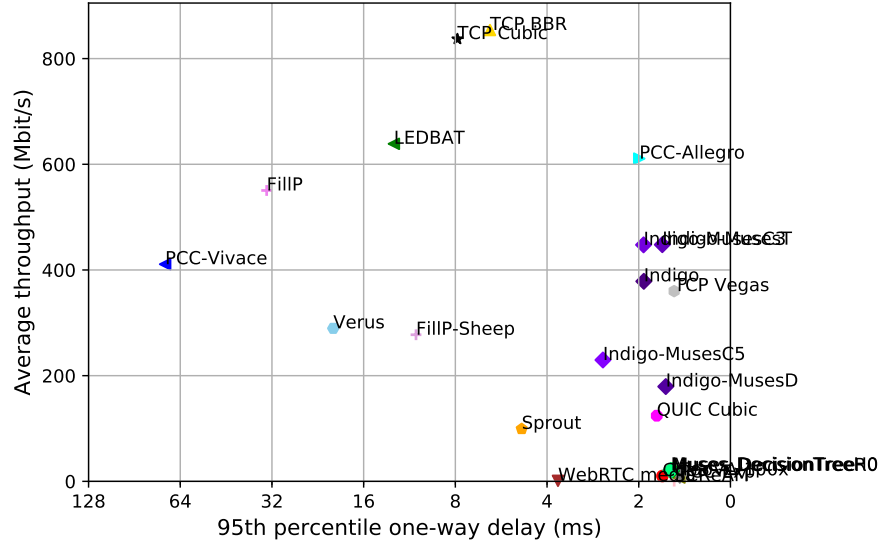
```
Linux 4.15.0-1043-aws
net.core.default_qdisc = fq
net.core.rmem_default = 16777216
net.core.rmem_max = 536870912
net.core.wmem_default = 16777216
net.core.wmem_max = 536870912
net.ipv4.tcp_rmem = 4096 16777216 536870912
net.ipv4.tcp_wmem = 4096 16777216 536870912
```

Git summary:

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

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

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



scheme	# runs	mean avg tput (Mbit/s)			mean 95th-%ile delay (ms)			mean loss rate (%)		
		flow 1	flow 2	flow 3	flow 1	flow 2	flow 3	flow 1	flow 2	flow 3
TCP BBR	5	490.05	368.91	355.76	5.84	6.54	5.35	4.04	7.92	9.26
Copa	5	4.39	7.17	4.01	1.39	1.45	2.04	60.27	50.84	51.88
TCP Cubic	5	473.60	396.12	299.14	8.60	2.55	2.10	0.06	0.06	0.09
FillP	5	386.59	160.15	172.62	35.35	27.63	27.65	5.77	9.03	11.75
FillP-Sheep	5	227.23	58.57	34.05	11.22	4.84	6.72	0.58	1.79	2.25
Indigo	5	199.23	182.66	179.87	1.77	1.83	2.34	0.01	0.02	0.04
Indigo-MusesC3	5	248.12	224.31	193.83	1.73	2.28	1.91	0.04	0.11	0.01
Indigo-MusesC5	5	107.39	96.51	196.81	1.62	3.48	2.41	0.01	0.06	0.02
Indigo-MusesD	5	95.56	88.57	90.62	1.41	1.30	1.53	0.00	0.02	0.00
Indigo-MusesT	5	240.18	239.69	184.99	1.38	1.54	1.64	0.01	0.03	0.04
LEDBAT	5	366.81	295.74	244.28	13.57	6.96	5.44	0.13	0.24	0.25
Muses_DecisionTree	5	10.14	10.11	10.21	1.27	1.25	1.21	0.00	0.00	0.00
Muses_DecisionTreeH0	5	10.34	10.39	10.67	1.30	1.28	1.42	0.00	0.00	0.01
Muses_DecisionTreeR0	5	9.74	9.95	10.25	1.28	1.28	1.29	0.01	0.00	0.00
PCC-Allegro	5	421.19	216.35	138.61	1.93	1.32	1.46	0.12	0.10	0.13
PCC-Expr	5	0.68	7.87	5.92	1.21	1.12	1.09	85.71	23.74	20.88
QUIC Cubic	5	64.49	64.25	51.86	0.96	1.61	5.52	0.05	0.02	0.04
SCReAM	5	0.21	0.22	0.22	1.22	1.22	1.22	0.04	0.00	0.00
Sprout	5	49.87	49.76	49.39	4.84	4.82	4.84	0.16	0.15	0.26
TaoVA-100x	5	5.00	7.39	5.09	1.15	1.07	1.05	44.42	51.22	70.64
TCP Vegas	5	129.87	230.04	231.16	1.43	1.22	1.29	0.01	0.01	0.03
Verus	5	156.17	131.67	139.23	26.30	22.82	22.28	1.81	2.41	2.43
PCC-Vivace	5	208.88	214.30	180.22	65.98	55.12	67.43	0.43	0.13	0.85
WebRTC media	5	0.47	0.33	0.16	3.75	3.10	3.97	0.00	0.00	0.00

Run 1: Statistics of TCP BBR

Start at: 2019-08-26 23:35:24

End at: 2019-08-26 23:35:54

Local clock offset: -0.241 ms

Remote clock offset: 3.13 ms

Below is generated by plot.py at 2019-08-27 02:16:16

Datalink statistics

-- Total of 3 flows:

Average throughput: 867.59 Mbit/s

95th percentile per-packet one-way delay: 5.658 ms

Loss rate: 6.05%

-- Flow 1:

Average throughput: 480.87 Mbit/s

95th percentile per-packet one-way delay: 5.716 ms

Loss rate: 4.02%

-- Flow 2:

Average throughput: 384.13 Mbit/s

95th percentile per-packet one-way delay: 5.820 ms

Loss rate: 9.15%

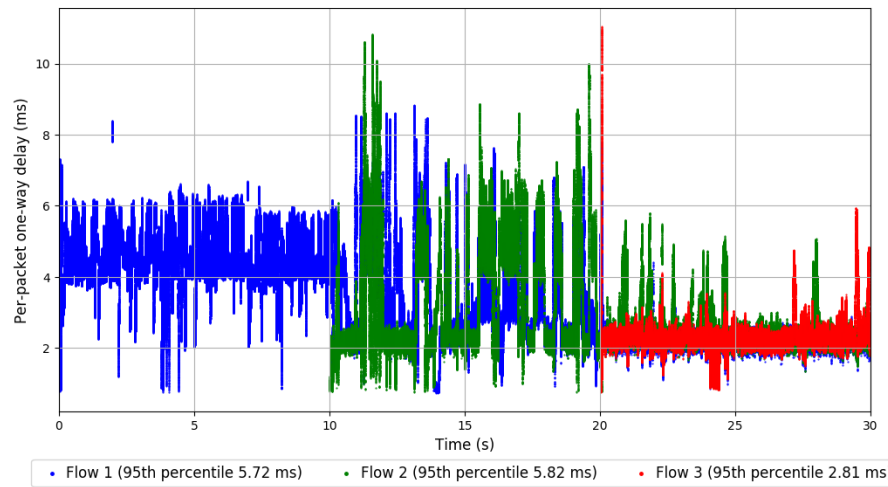
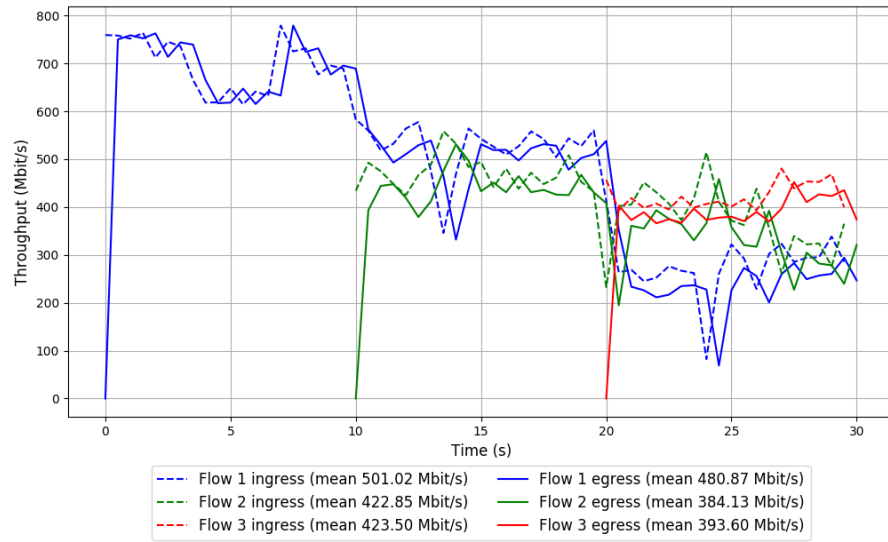
-- Flow 3:

Average throughput: 393.60 Mbit/s

95th percentile per-packet one-way delay: 2.813 ms

Loss rate: 7.05%

Run 1: Report of TCP BBR — Data Link



Run 2: Statistics of TCP BBR

Start at: 2019-08-27 00:09:06

End at: 2019-08-27 00:09:36

Local clock offset: -0.434 ms

Remote clock offset: 2.132 ms

Below is generated by plot.py at 2019-08-27 02:16:16

Datalink statistics

-- Total of 3 flows:

Average throughput: 856.65 Mbit/s

95th percentile per-packet one-way delay: 6.725 ms

Loss rate: 5.87%

-- Flow 1:

Average throughput: 508.10 Mbit/s

95th percentile per-packet one-way delay: 6.632 ms

Loss rate: 3.24%

-- Flow 2:

Average throughput: 342.30 Mbit/s

95th percentile per-packet one-way delay: 6.289 ms

Loss rate: 9.55%

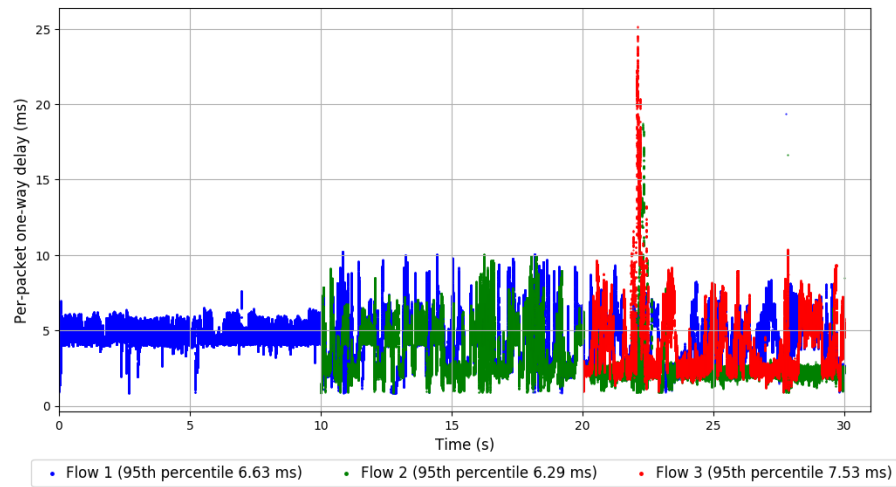
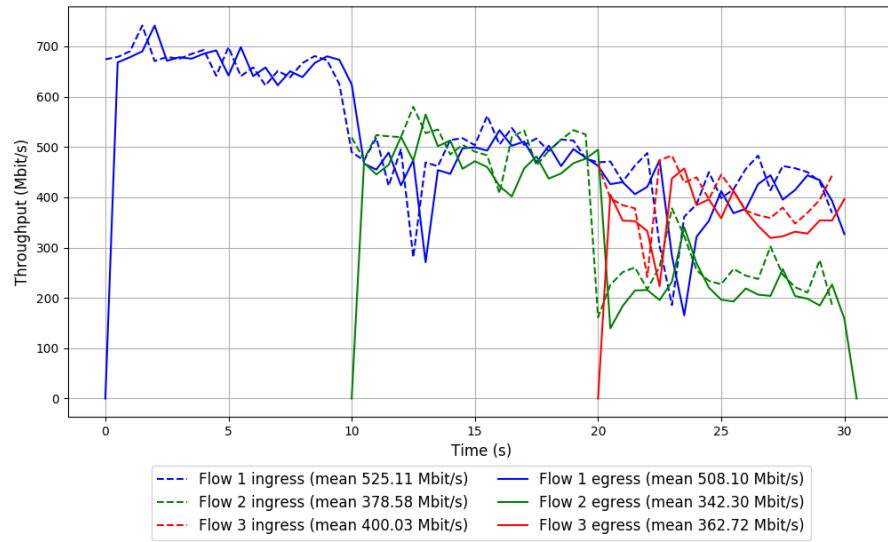
-- Flow 3:

Average throughput: 362.72 Mbit/s

95th percentile per-packet one-way delay: 7.533 ms

Loss rate: 9.32%

Run 2: Report of TCP BBR — Data Link



Run 3: Statistics of TCP BBR

Start at: 2019-08-27 00:42:47

End at: 2019-08-27 00:43:17

Local clock offset: -0.64 ms

Remote clock offset: 2.855 ms

Below is generated by plot.py at 2019-08-27 02:16:16

Datalink statistics

-- Total of 3 flows:

Average throughput: 847.51 Mbit/s

95th percentile per-packet one-way delay: 5.680 ms

Loss rate: 5.02%

-- Flow 1:

Average throughput: 496.45 Mbit/s

95th percentile per-packet one-way delay: 5.577 ms

Loss rate: 3.77%

-- Flow 2:

Average throughput: 410.58 Mbit/s

95th percentile per-packet one-way delay: 6.100 ms

Loss rate: 4.45%

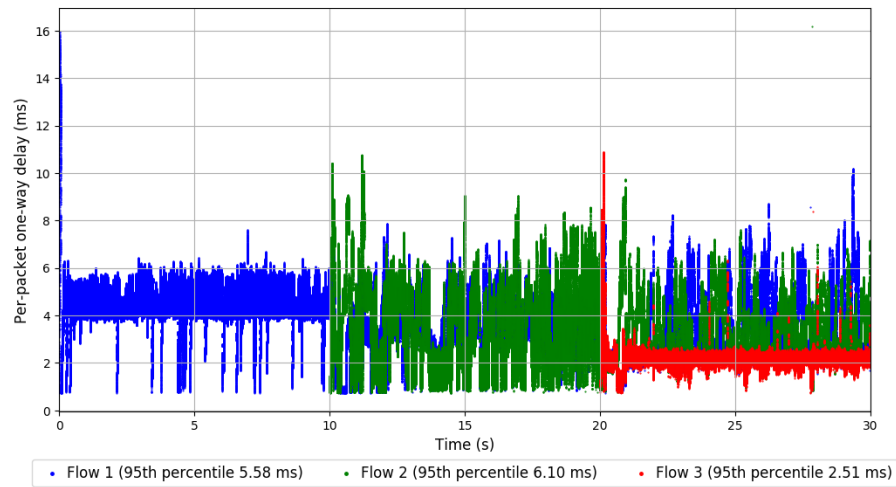
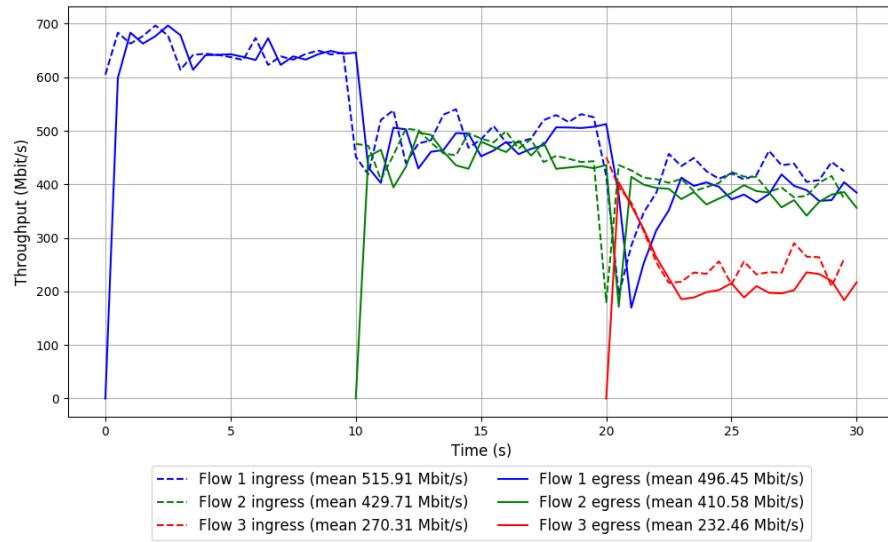
-- Flow 3:

Average throughput: 232.46 Mbit/s

95th percentile per-packet one-way delay: 2.514 ms

Loss rate: 13.99%

Run 3: Report of TCP BBR — Data Link



Run 4: Statistics of TCP BBR

Start at: 2019-08-27 01:16:32

End at: 2019-08-27 01:17:02

Local clock offset: -0.514 ms

Remote clock offset: 3.745 ms

Below is generated by plot.py at 2019-08-27 02:16:16

Datalink statistics

-- Total of 3 flows:

Average throughput: 840.37 Mbit/s

95th percentile per-packet one-way delay: 6.509 ms

Loss rate: 6.39%

-- Flow 1:

Average throughput: 464.98 Mbit/s

95th percentile per-packet one-way delay: 5.670 ms

Loss rate: 4.59%

-- Flow 2:

Average throughput: 370.91 Mbit/s

95th percentile per-packet one-way delay: 7.131 ms

Loss rate: 8.66%

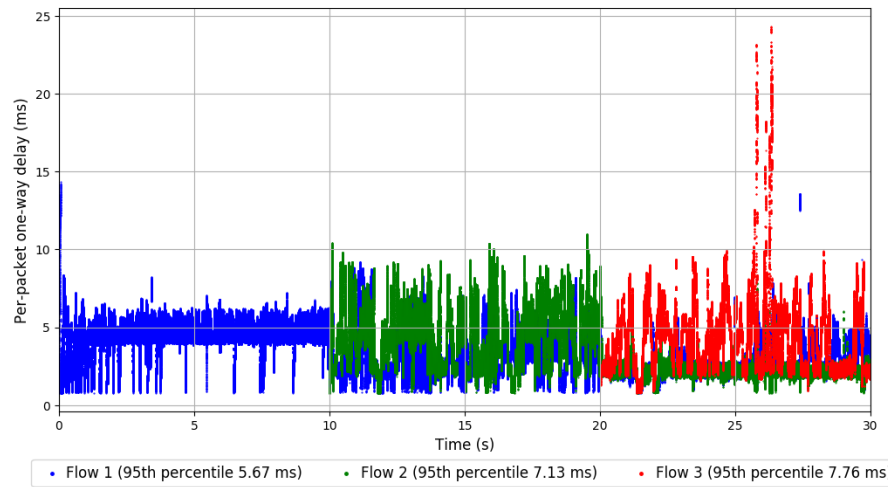
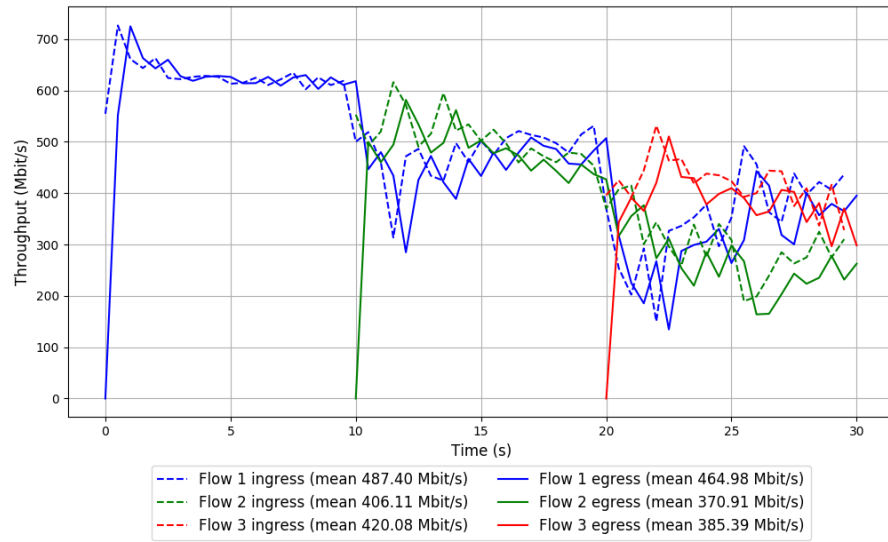
-- Flow 3:

Average throughput: 385.39 Mbit/s

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

Loss rate: 8.25%

Run 4: Report of TCP BBR — Data Link



Run 5: Statistics of TCP BBR

Start at: 2019-08-27 01:50:15

End at: 2019-08-27 01:50:45

Local clock offset: 0.26 ms

Remote clock offset: 4.33 ms

Below is generated by plot.py at 2019-08-27 02:16:16

Datalink statistics

-- Total of 3 flows:

Average throughput: 858.44 Mbit/s

95th percentile per-packet one-way delay: 6.218 ms

Loss rate: 5.93%

-- Flow 1:

Average throughput: 499.84 Mbit/s

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

Loss rate: 4.59%

-- Flow 2:

Average throughput: 336.64 Mbit/s

95th percentile per-packet one-way delay: 7.370 ms

Loss rate: 7.77%

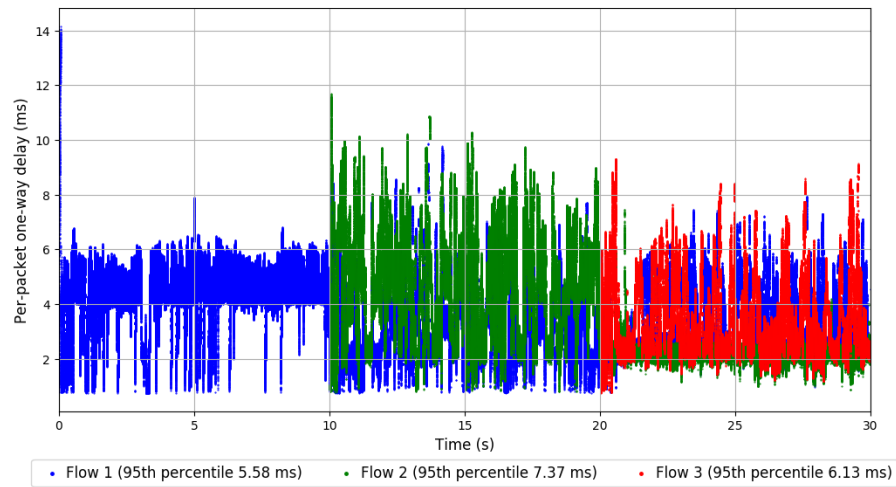
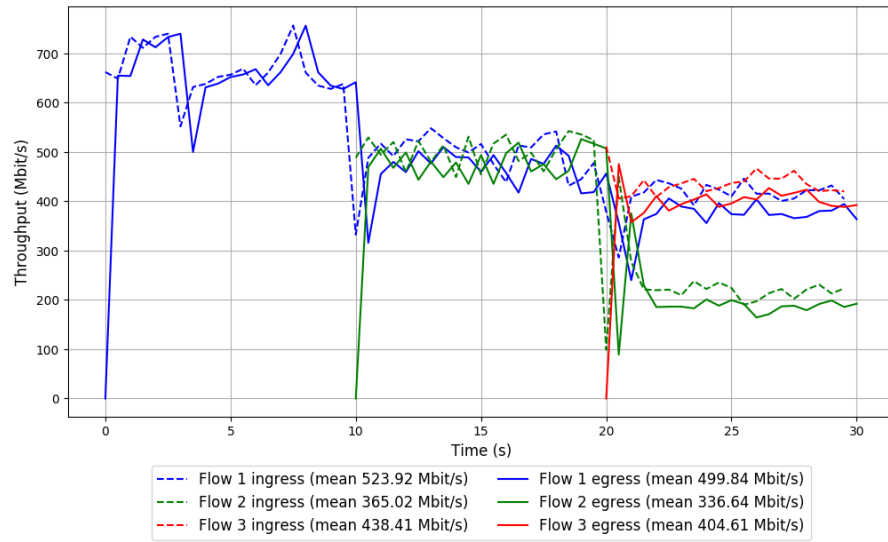
-- Flow 3:

Average throughput: 404.61 Mbit/s

95th percentile per-packet one-way delay: 6.135 ms

Loss rate: 7.71%

Run 5: Report of TCP BBR — Data Link



Run 1: Statistics of Copa

Start at: 2019-08-26 23:13:15

End at: 2019-08-26 23:13:45

Local clock offset: -0.116 ms

Remote clock offset: 1.784 ms

Below is generated by plot.py at 2019-08-27 02:16:16

Datalink statistics

-- Total of 3 flows:

Average throughput: 7.33 Mbit/s

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

Loss rate: 51.77%

-- Flow 1:

Average throughput: 0.00 Mbit/s

95th percentile per-packet one-way delay: 1.073 ms

Loss rate: 97.92%

-- Flow 2:

Average throughput: 9.13 Mbit/s

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

Loss rate: 52.16%

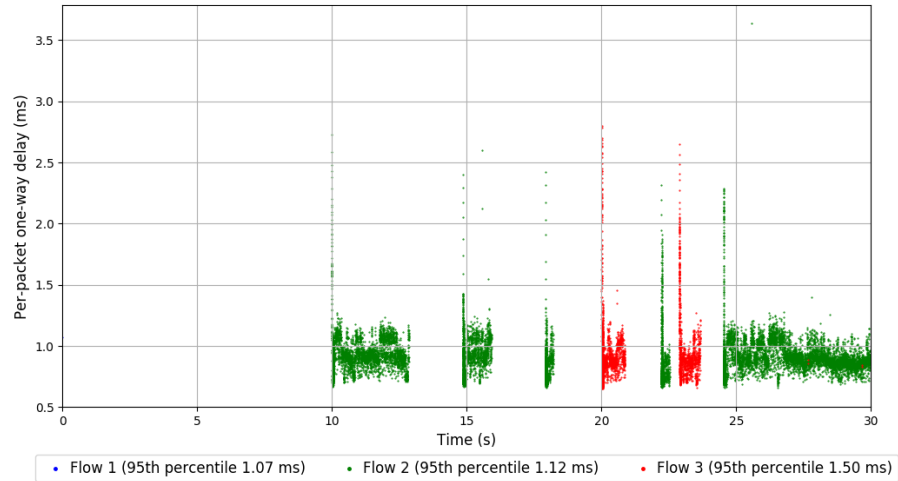
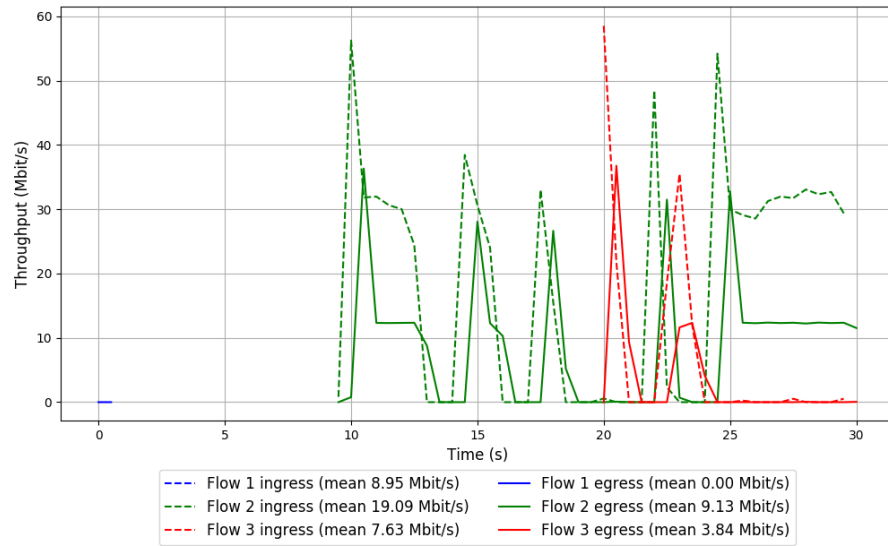
-- Flow 3:

Average throughput: 3.84 Mbit/s

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

Loss rate: 49.75%

Run 1: Report of Copa — Data Link



Run 2: Statistics of Copa

Start at: 2019-08-26 23:46:52

End at: 2019-08-26 23:47:22

Local clock offset: -0.315 ms

Remote clock offset: 3.6 ms

Below is generated by plot.py at 2019-08-27 02:16:16

Datalink statistics

-- Total of 3 flows:

Average throughput: 10.68 Mbit/s

95th percentile per-packet one-way delay: 1.285 ms

Loss rate: 49.35%

-- Flow 1:

Average throughput: 5.94 Mbit/s

95th percentile per-packet one-way delay: 1.262 ms

Loss rate: 51.23%

-- Flow 2:

Average throughput: 5.05 Mbit/s

95th percentile per-packet one-way delay: 1.342 ms

Loss rate: 49.97%

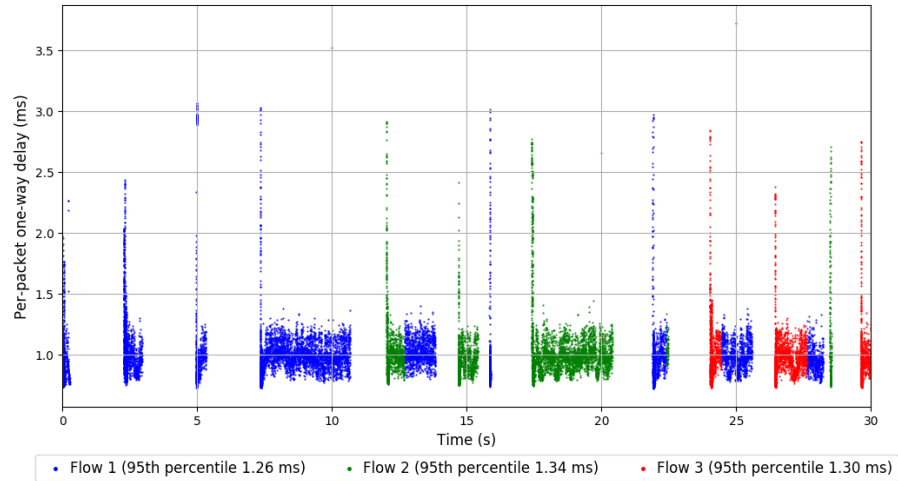
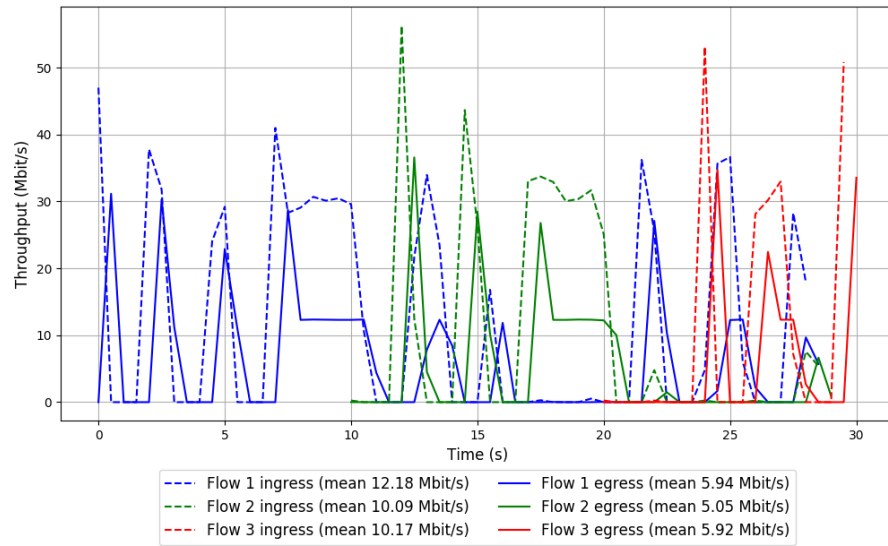
-- Flow 3:

Average throughput: 5.92 Mbit/s

95th percentile per-packet one-way delay: 1.299 ms

Loss rate: 41.84%

Run 2: Report of Copa — Data Link



Run 3: Statistics of Copa

Start at: 2019-08-27 00:20:37

End at: 2019-08-27 00:21:07

Local clock offset: -0.484 ms

Remote clock offset: 1.675 ms

Below is generated by plot.py at 2019-08-27 02:16:16

Datalink statistics

-- Total of 3 flows:

Average throughput: 10.41 Mbit/s

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

Loss rate: 52.23%

-- Flow 1:

Average throughput: 5.01 Mbit/s

95th percentile per-packet one-way delay: 1.650 ms

Loss rate: 48.43%

-- Flow 2:

Average throughput: 6.84 Mbit/s

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

Loss rate: 55.16%

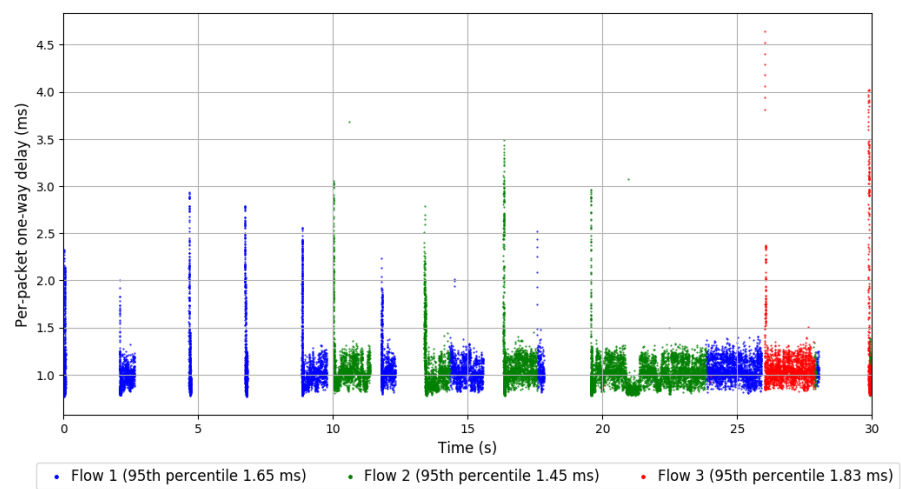
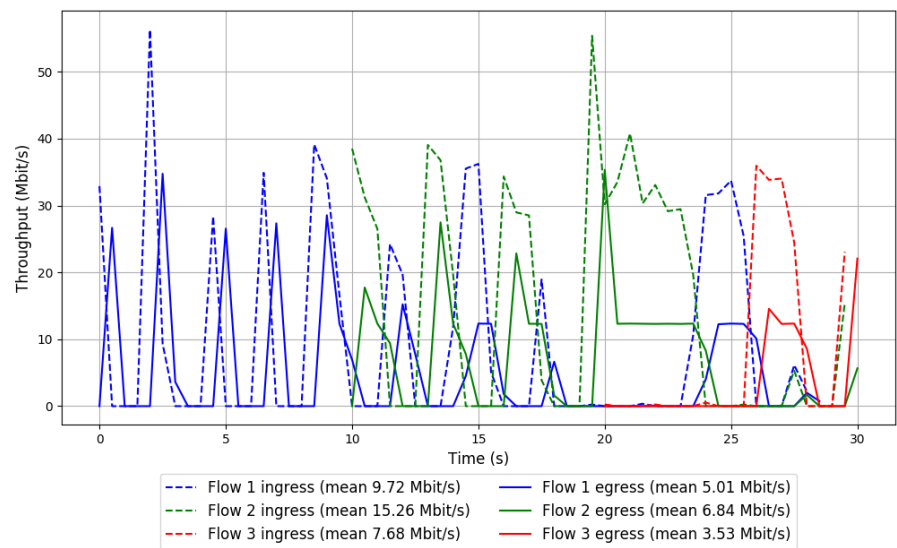
-- Flow 3:

Average throughput: 3.53 Mbit/s

95th percentile per-packet one-way delay: 1.829 ms

Loss rate: 54.11%

Run 3: Report of Copa — Data Link



Run 4: Statistics of Copa

Start at: 2019-08-27 00:54:21

End at: 2019-08-27 00:54:51

Local clock offset: -0.622 ms

Remote clock offset: 3.309 ms

Below is generated by plot.py at 2019-08-27 02:16:16

Datalink statistics

-- Total of 3 flows:

Average throughput: 10.88 Mbit/s

95th percentile per-packet one-way delay: 1.663 ms

Loss rate: 49.77%

-- Flow 1:

Average throughput: 5.64 Mbit/s

95th percentile per-packet one-way delay: 1.589 ms

Loss rate: 47.09%

-- Flow 2:

Average throughput: 7.66 Mbit/s

95th percentile per-packet one-way delay: 1.488 ms

Loss rate: 51.20%

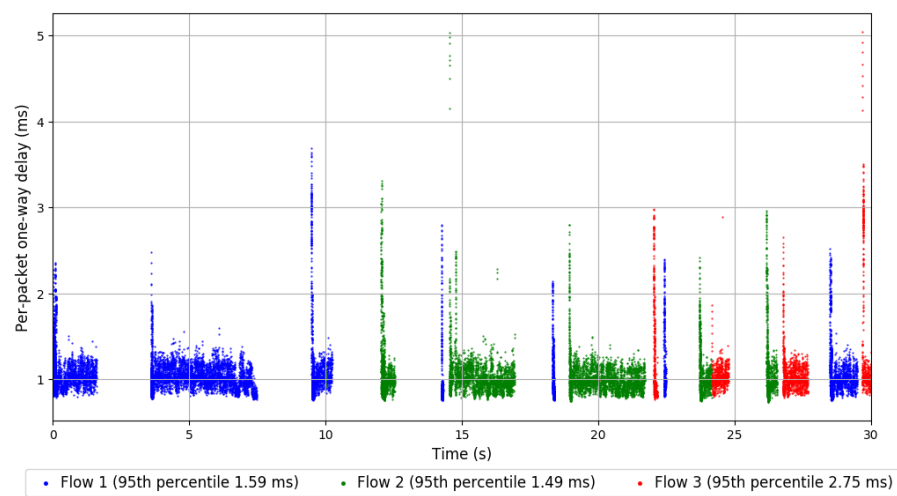
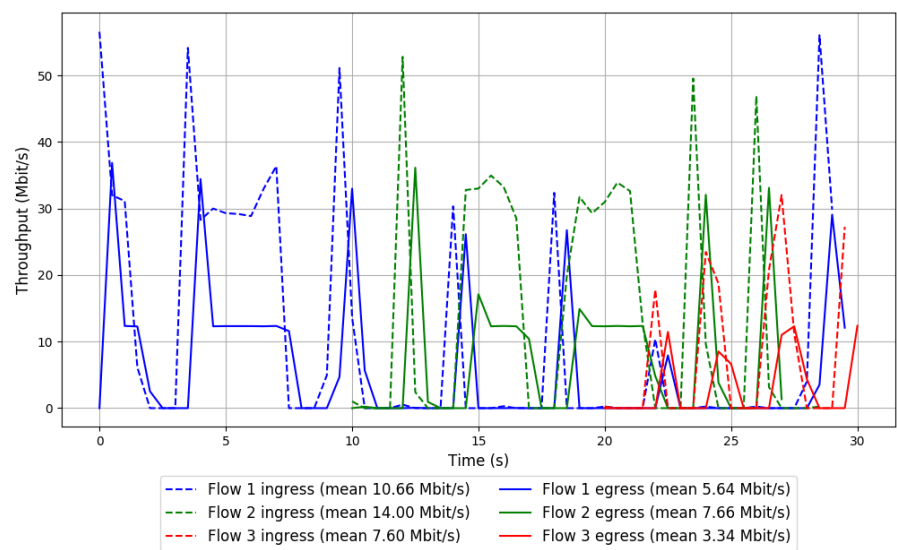
-- Flow 3:

Average throughput: 3.34 Mbit/s

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

Loss rate: 56.00%

Run 4: Report of Copa — Data Link



Run 5: Statistics of Copa

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

End at: 2019-08-27 01:28:20

Local clock offset: -0.248 ms

Remote clock offset: 4.103 ms

Below is generated by plot.py at 2019-08-27 02:16:16

Datalink statistics

-- Total of 3 flows:

Average throughput: 10.96 Mbit/s

95th percentile per-packet one-way delay: 1.760 ms

Loss rate: 52.63%

-- Flow 1:

Average throughput: 5.36 Mbit/s

95th percentile per-packet one-way delay: 1.386 ms

Loss rate: 56.67%

-- Flow 2:

Average throughput: 7.16 Mbit/s

95th percentile per-packet one-way delay: 1.865 ms

Loss rate: 45.71%

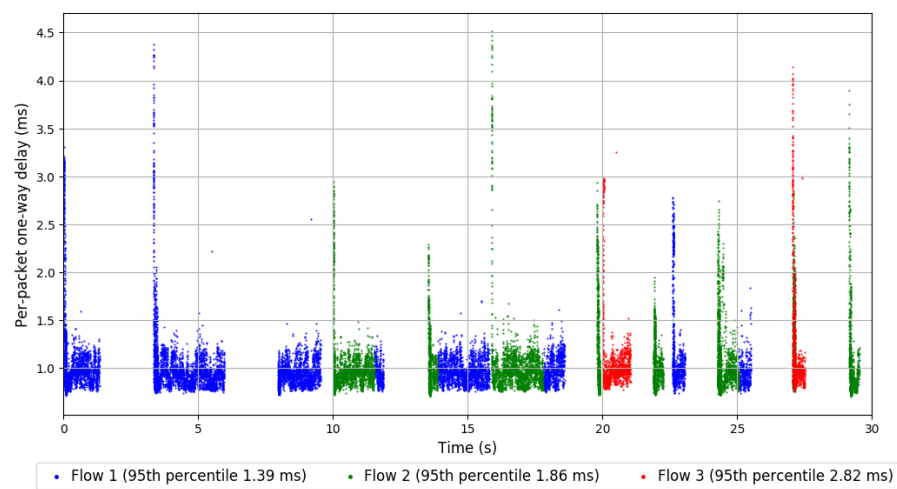
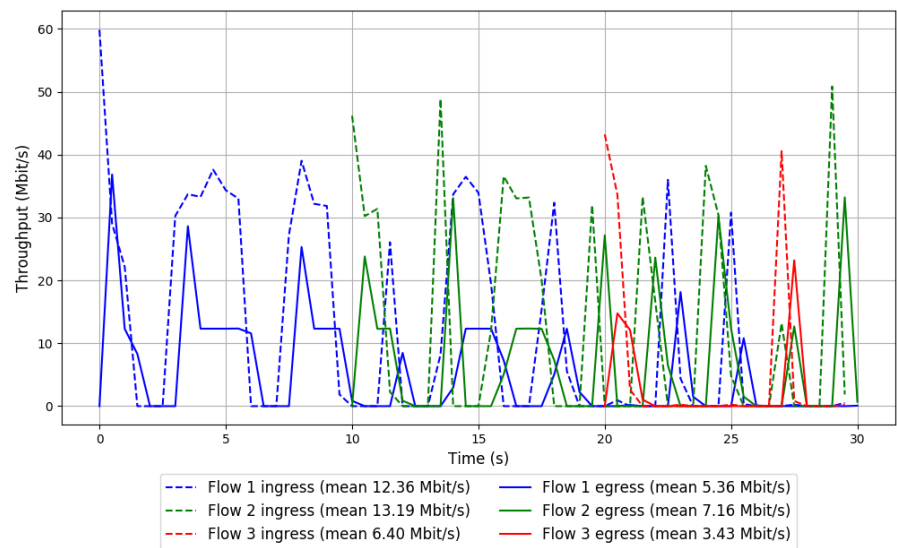
-- Flow 3:

Average throughput: 3.43 Mbit/s

95th percentile per-packet one-way delay: 2.816 ms

Loss rate: 57.72%

Run 5: Report of Copa — Data Link



Run 1: Statistics of TCP Cubic

Start at: 2019-08-26 23:20:01

End at: 2019-08-26 23:20:31

Local clock offset: -0.131 ms

Remote clock offset: 2.238 ms

Below is generated by plot.py at 2019-08-27 02:16:16

Datalink statistics

-- Total of 3 flows:

Average throughput: 755.82 Mbit/s

95th percentile per-packet one-way delay: 2.283 ms

Loss rate: 0.06%

-- Flow 1:

Average throughput: 417.52 Mbit/s

95th percentile per-packet one-way delay: 2.686 ms

Loss rate: 0.05%

-- Flow 2:

Average throughput: 343.64 Mbit/s

95th percentile per-packet one-way delay: 2.088 ms

Loss rate: 0.08%

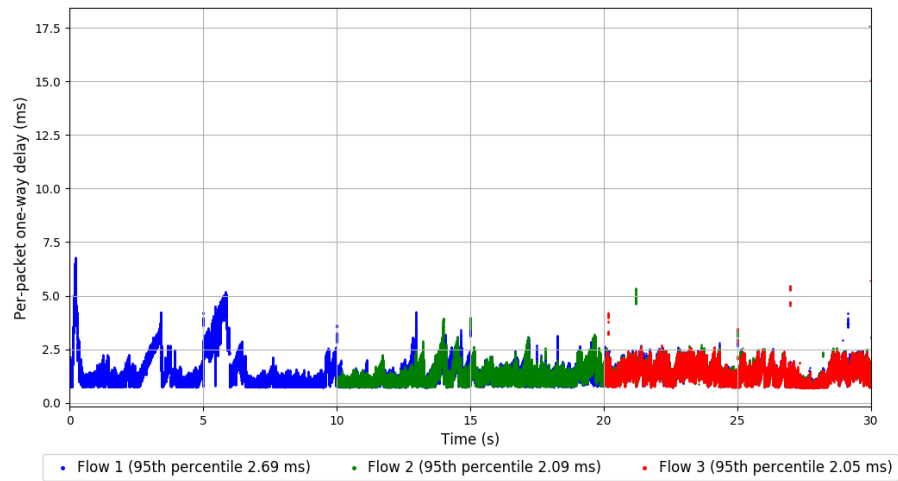
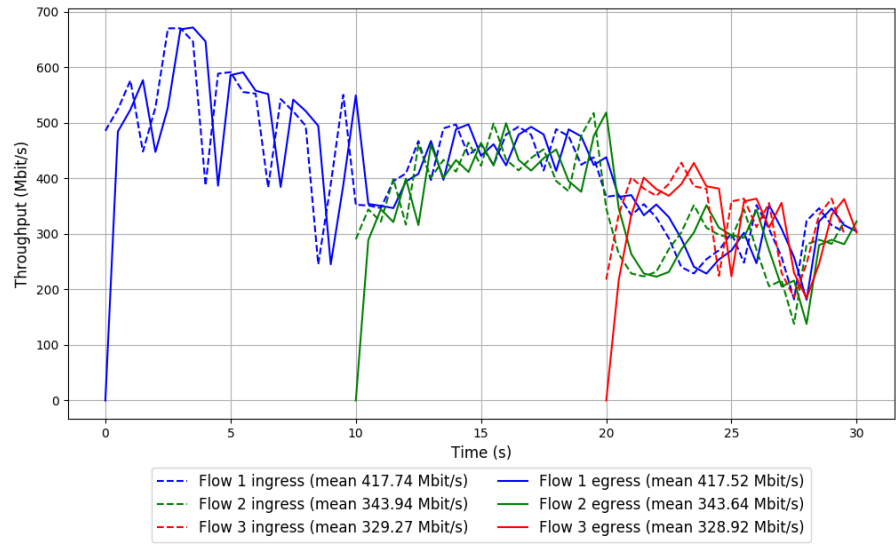
-- Flow 3:

Average throughput: 328.92 Mbit/s

95th percentile per-packet one-way delay: 2.051 ms

Loss rate: 0.09%

Run 1: Report of TCP Cubic — Data Link



Run 2: Statistics of TCP Cubic

Start at: 2019-08-26 23:53:42

End at: 2019-08-26 23:54:12

Local clock offset: -0.374 ms

Remote clock offset: 3.778 ms

Below is generated by plot.py at 2019-08-27 02:16:24

Datalink statistics

-- Total of 3 flows:

Average throughput: 866.88 Mbit/s

95th percentile per-packet one-way delay: 17.287 ms

Loss rate: 0.05%

-- Flow 1:

Average throughput: 504.38 Mbit/s

95th percentile per-packet one-way delay: 19.185 ms

Loss rate: 0.05%

-- Flow 2:

Average throughput: 412.83 Mbit/s

95th percentile per-packet one-way delay: 2.695 ms

Loss rate: 0.04%

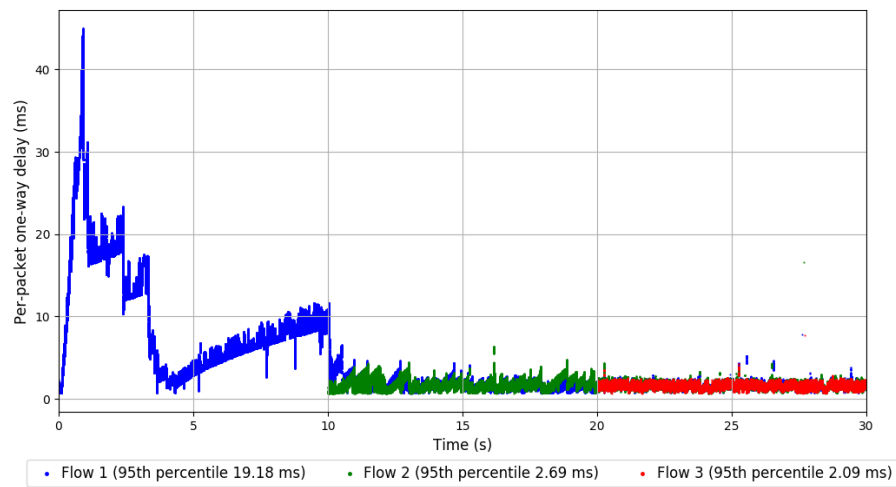
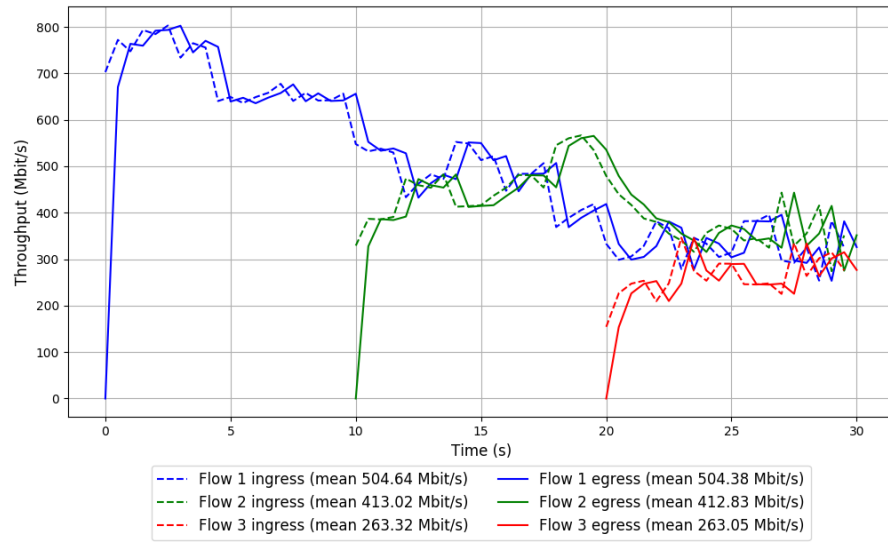
-- Flow 3:

Average throughput: 263.05 Mbit/s

95th percentile per-packet one-way delay: 2.091 ms

Loss rate: 0.09%

Run 2: Report of TCP Cubic — Data Link



Run 3: Statistics of TCP Cubic

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

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

Local clock offset: -0.576 ms

Remote clock offset: 1.705 ms

Below is generated by plot.py at 2019-08-27 02:16:24

Datalink statistics

-- Total of 3 flows:

Average throughput: 814.13 Mbit/s

95th percentile per-packet one-way delay: 3.353 ms

Loss rate: 0.09%

-- Flow 1:

Average throughput: 441.89 Mbit/s

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

Loss rate: 0.11%

-- Flow 2:

Average throughput: 398.39 Mbit/s

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

Loss rate: 0.07%

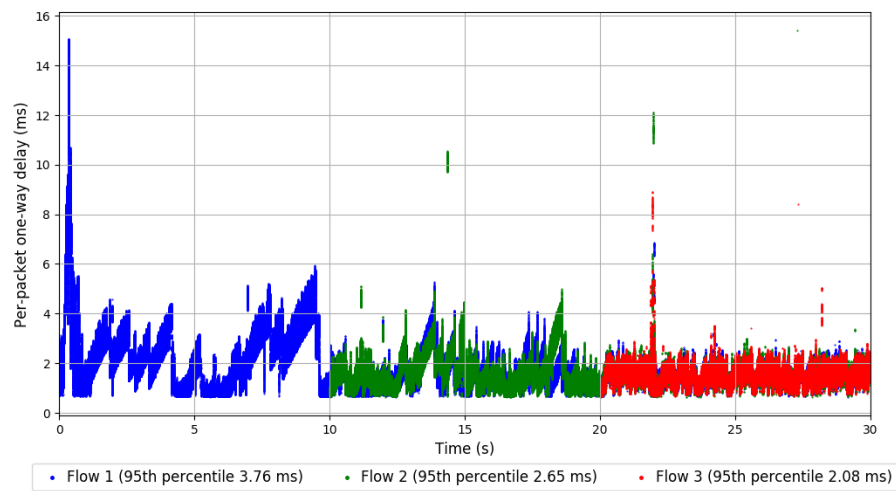
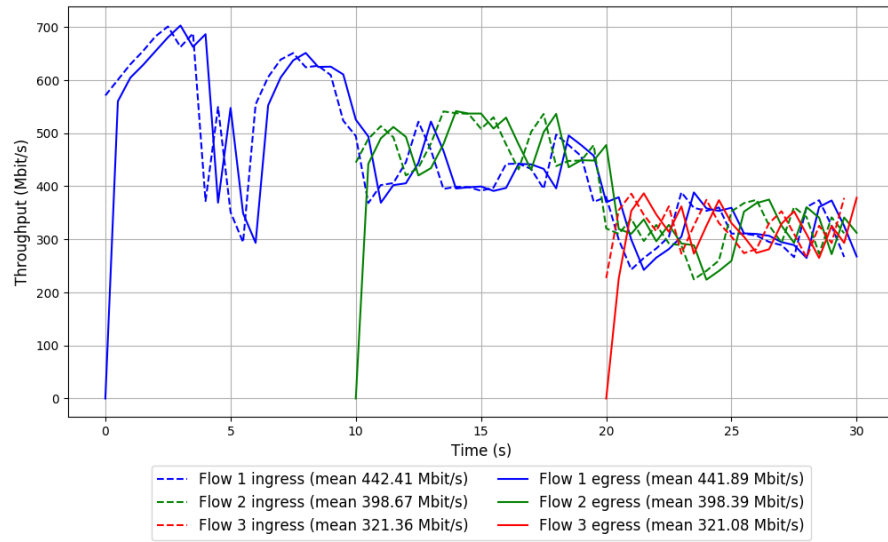
-- Flow 3:

Average throughput: 321.08 Mbit/s

95th percentile per-packet one-way delay: 2.075 ms

Loss rate: 0.08%

Run 3: Report of TCP Cubic — Data Link



Run 4: Statistics of TCP Cubic

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

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

Local clock offset: -0.617 ms

Remote clock offset: 3.544 ms

Below is generated by plot.py at 2019-08-27 02:25:38

Datalink statistics

-- Total of 3 flows:

Average throughput: 884.91 Mbit/s

95th percentile per-packet one-way delay: 10.694 ms

Loss rate: 0.05%

-- Flow 1:

Average throughput: 506.56 Mbit/s

95th percentile per-packet one-way delay: 11.174 ms

Loss rate: 0.04%

-- Flow 2:

Average throughput: 429.21 Mbit/s

95th percentile per-packet one-way delay: 2.938 ms

Loss rate: 0.05%

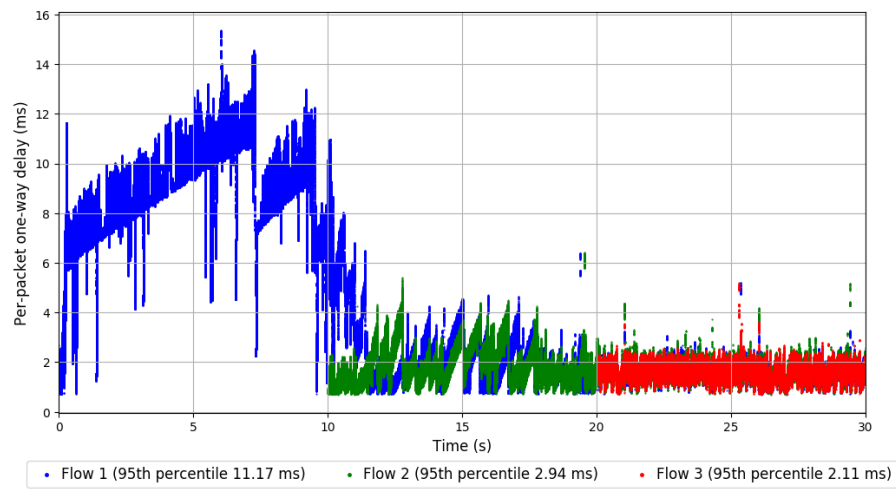
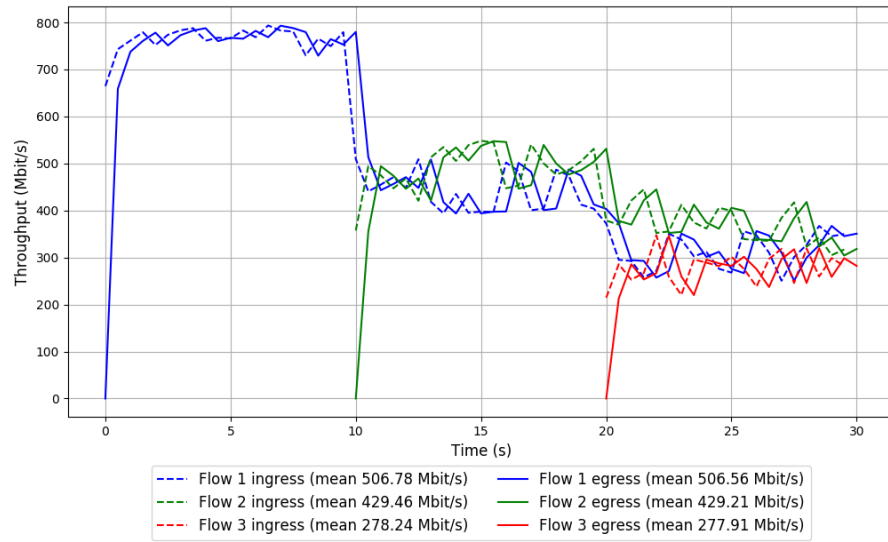
-- Flow 3:

Average throughput: 277.91 Mbit/s

95th percentile per-packet one-way delay: 2.110 ms

Loss rate: 0.12%

Run 4: Report of TCP Cubic — Data Link

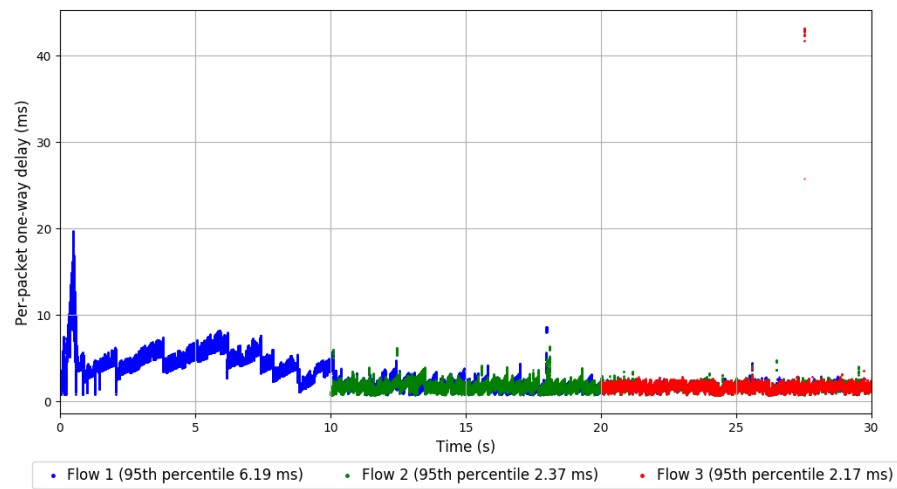
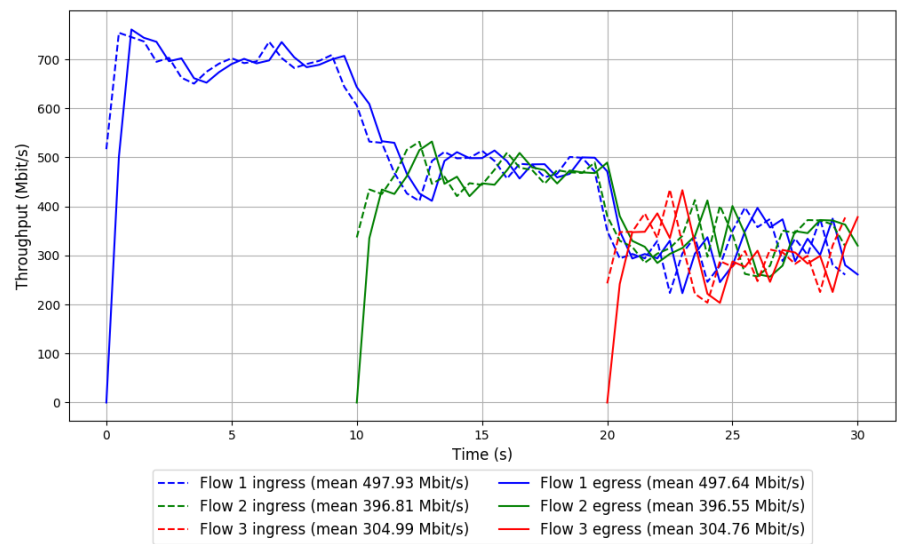


Run 5: Statistics of TCP Cubic

Start at: 2019-08-27 01:34:44
End at: 2019-08-27 01:35:14
Local clock offset: -0.076 ms
Remote clock offset: 4.525 ms

Below is generated by plot.py at 2019-08-27 02:26:13
Datalink statistics
-- Total of 3 flows:
Average throughput: 863.23 Mbit/s
95th percentile per-packet one-way delay: 5.761 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 497.64 Mbit/s
95th percentile per-packet one-way delay: 6.192 ms
Loss rate: 0.06%
-- Flow 2:
Average throughput: 396.55 Mbit/s
95th percentile per-packet one-way delay: 2.373 ms
Loss rate: 0.06%
-- Flow 3:
Average throughput: 304.76 Mbit/s
95th percentile per-packet one-way delay: 2.173 ms
Loss rate: 0.07%

Run 5: Report of TCP Cubic — Data Link



Run 1: Statistics of FillP

Start at: 2019-08-26 23:14:29

End at: 2019-08-26 23:14:59

Local clock offset: -0.113 ms

Remote clock offset: 1.849 ms

Below is generated by plot.py at 2019-08-27 02:26:13

Datalink statistics

-- Total of 3 flows:

Average throughput: 573.03 Mbit/s

95th percentile per-packet one-way delay: 30.323 ms

Loss rate: 12.50%

-- Flow 1:

Average throughput: 432.94 Mbit/s

95th percentile per-packet one-way delay: 31.838 ms

Loss rate: 10.28%

-- Flow 2:

Average throughput: 111.04 Mbit/s

95th percentile per-packet one-way delay: 21.958 ms

Loss rate: 15.91%

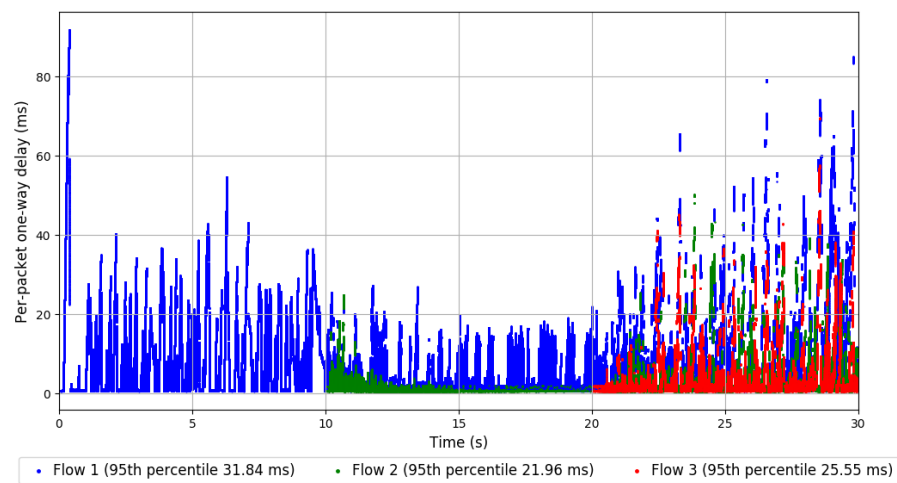
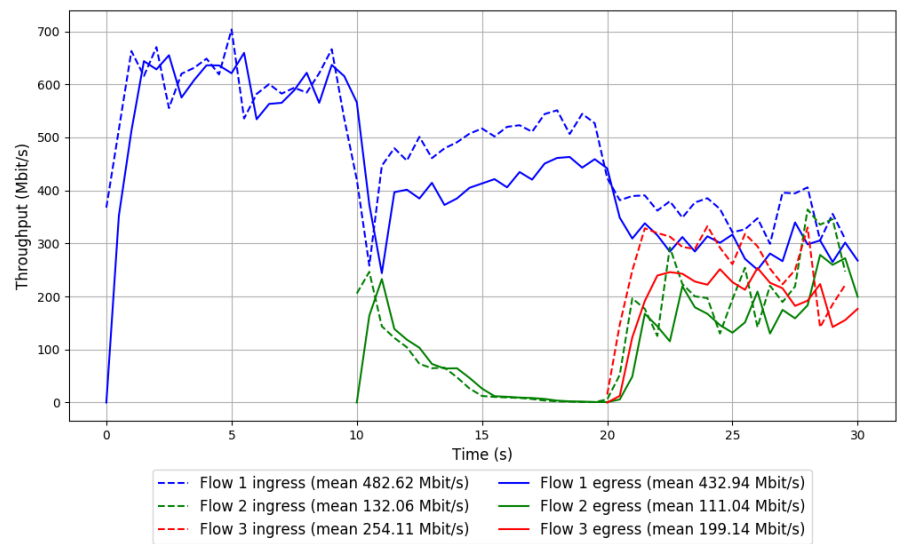
-- Flow 3:

Average throughput: 199.14 Mbit/s

95th percentile per-packet one-way delay: 25.549 ms

Loss rate: 21.63%

Run 1: Report of FillP — Data Link



Run 2: Statistics of FillP

Start at: 2019-08-26 23:48:07

End at: 2019-08-26 23:48:37

Local clock offset: -0.316 ms

Remote clock offset: 3.653 ms

Below is generated by plot.py at 2019-08-27 02:26:13

Datalink statistics

-- Total of 3 flows:

Average throughput: 471.48 Mbit/s

95th percentile per-packet one-way delay: 23.697 ms

Loss rate: 5.92%

-- Flow 1:

Average throughput: 302.62 Mbit/s

95th percentile per-packet one-way delay: 26.000 ms

Loss rate: 5.10%

-- Flow 2:

Average throughput: 142.71 Mbit/s

95th percentile per-packet one-way delay: 20.553 ms

Loss rate: 12.22%

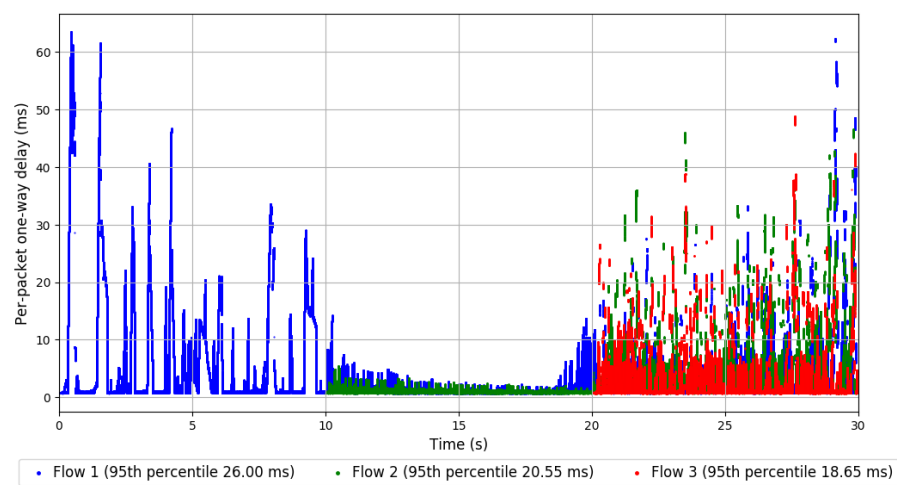
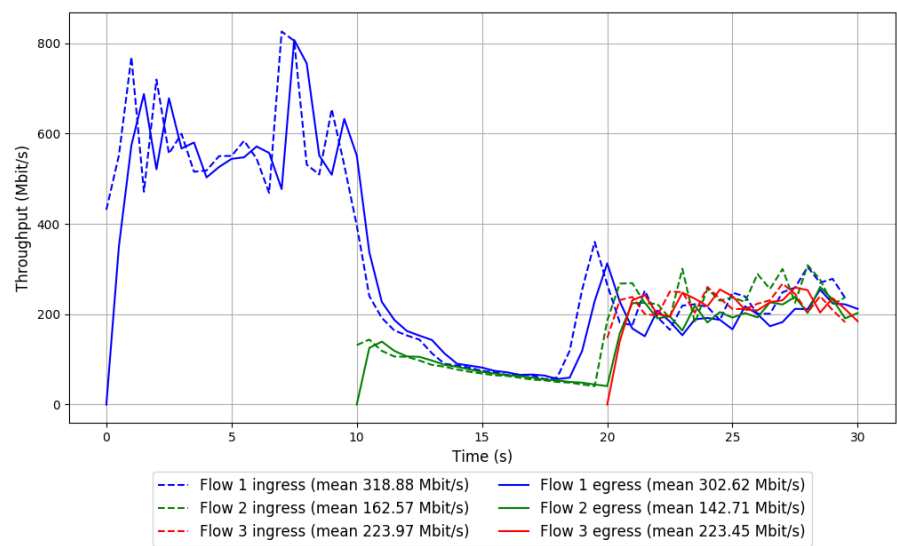
-- Flow 3:

Average throughput: 223.45 Mbit/s

95th percentile per-packet one-way delay: 18.646 ms

Loss rate: 0.23%

Run 2: Report of FillP — Data Link

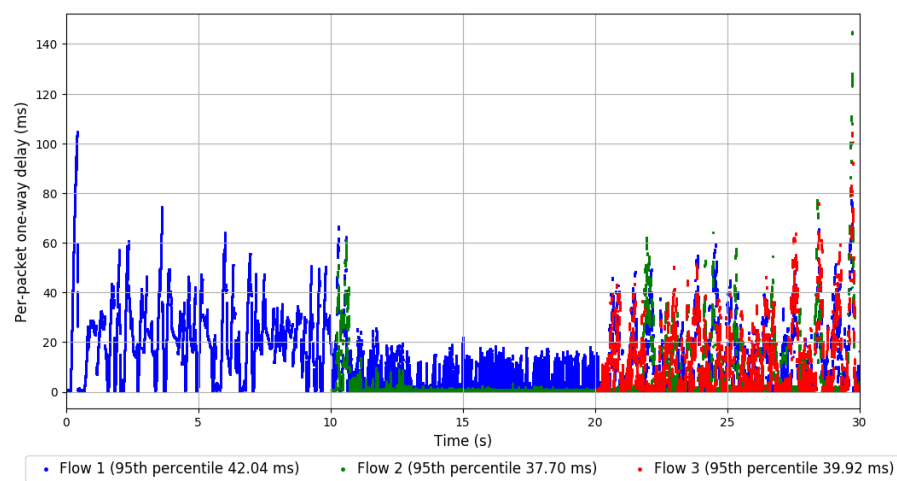
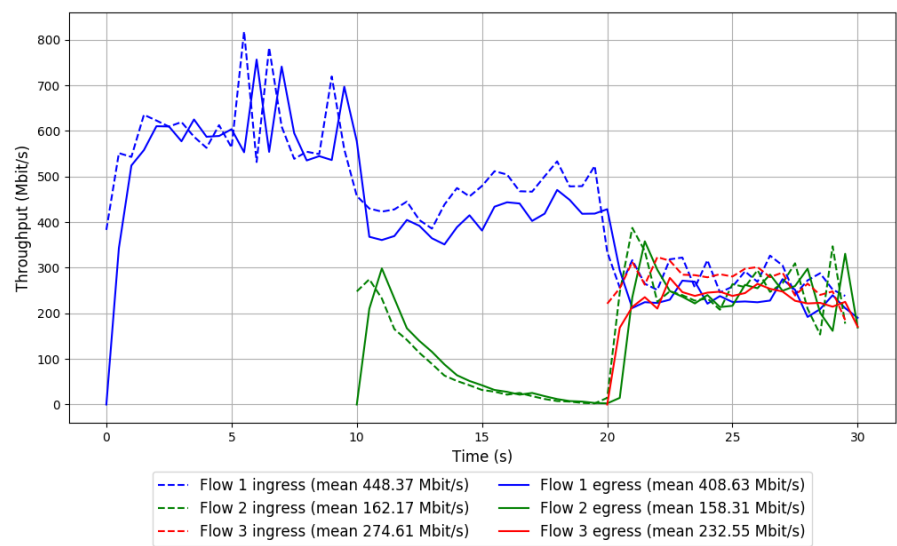


Run 3: Statistics of FillP

Start at: 2019-08-27 00:21:52
End at: 2019-08-27 00:22:22
Local clock offset: -0.493 ms
Remote clock offset: 1.615 ms

Below is generated by plot.py at 2019-08-27 02:26:13
Datalink statistics
-- Total of 3 flows:
Average throughput: 591.04 Mbit/s
95th percentile per-packet one-way delay: 41.244 ms
Loss rate: 8.67%
-- Flow 1:
Average throughput: 408.63 Mbit/s
95th percentile per-packet one-way delay: 42.039 ms
Loss rate: 8.84%
-- Flow 2:
Average throughput: 158.31 Mbit/s
95th percentile per-packet one-way delay: 37.696 ms
Loss rate: 2.38%
-- Flow 3:
Average throughput: 232.55 Mbit/s
95th percentile per-packet one-way delay: 39.924 ms
Loss rate: 15.32%

Run 3: Report of FillP — Data Link

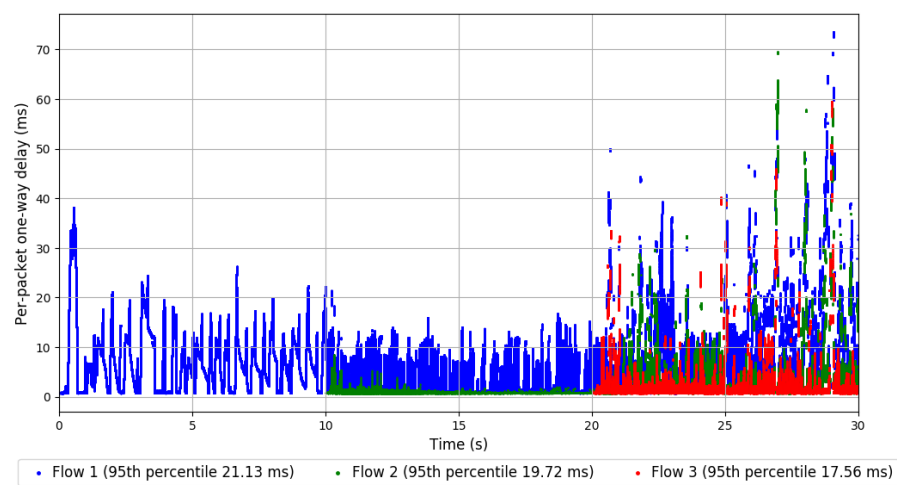
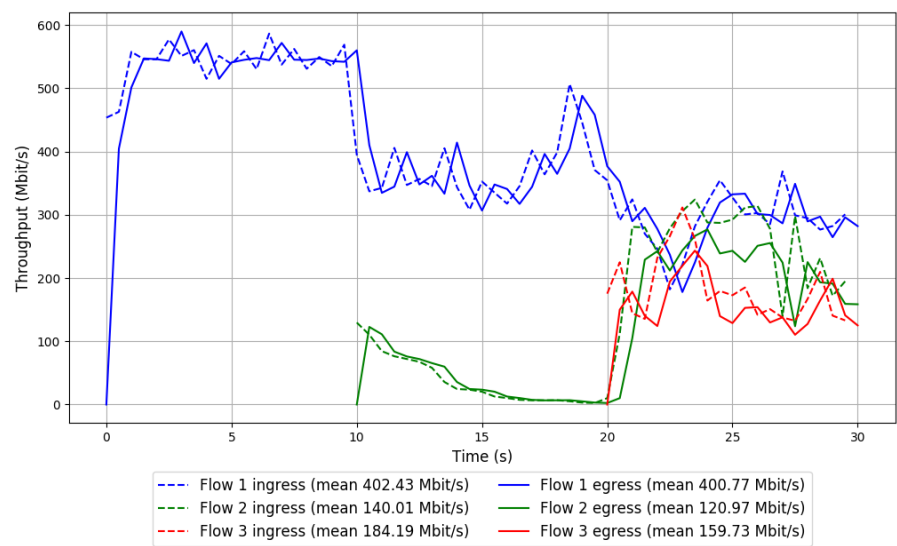


Run 4: Statistics of FillP

Start at: 2019-08-27 00:55:35
End at: 2019-08-27 00:56:05
Local clock offset: -0.649 ms
Remote clock offset: 3.319 ms

Below is generated by plot.py at 2019-08-27 02:26:13
Datalink statistics
-- Total of 3 flows:
Average throughput: 534.37 Mbit/s
95th percentile per-packet one-way delay: 20.732 ms
Loss rate: 4.02%
-- Flow 1:
Average throughput: 400.77 Mbit/s
95th percentile per-packet one-way delay: 21.133 ms
Loss rate: 0.41%
-- Flow 2:
Average throughput: 120.97 Mbit/s
95th percentile per-packet one-way delay: 19.717 ms
Loss rate: 13.53%
-- Flow 3:
Average throughput: 159.73 Mbit/s
95th percentile per-packet one-way delay: 17.560 ms
Loss rate: 13.28%

Run 4: Report of FillP — Data Link



Run 5: Statistics of FillP

Start at: 2019-08-27 01:29:05

End at: 2019-08-27 01:29:35

Local clock offset: -0.221 ms

Remote clock offset: 4.149 ms

Below is generated by plot.py at 2019-08-27 02:26:13

Datalink statistics

-- Total of 3 flows:

Average throughput: 582.29 Mbit/s

95th percentile per-packet one-way delay: 50.537 ms

Loss rate: 3.41%

-- Flow 1:

Average throughput: 388.01 Mbit/s

95th percentile per-packet one-way delay: 55.755 ms

Loss rate: 4.23%

-- Flow 2:

Average throughput: 267.72 Mbit/s

95th percentile per-packet one-way delay: 38.204 ms

Loss rate: 1.10%

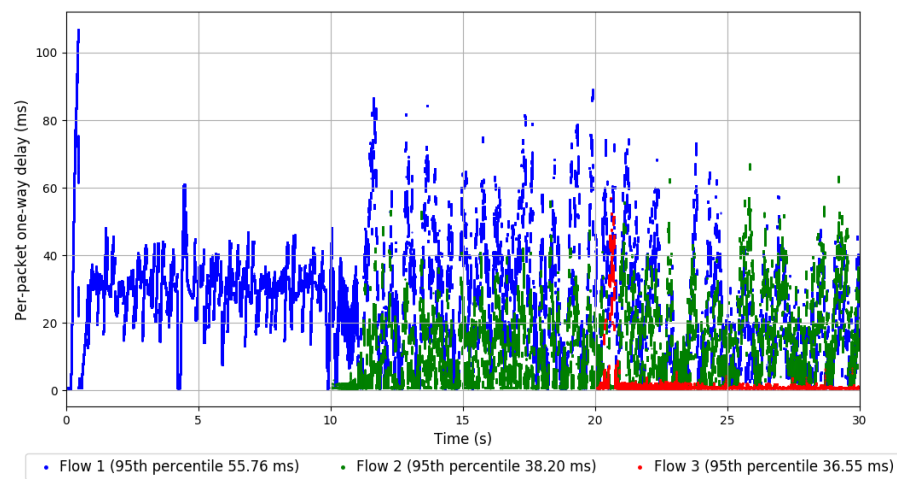
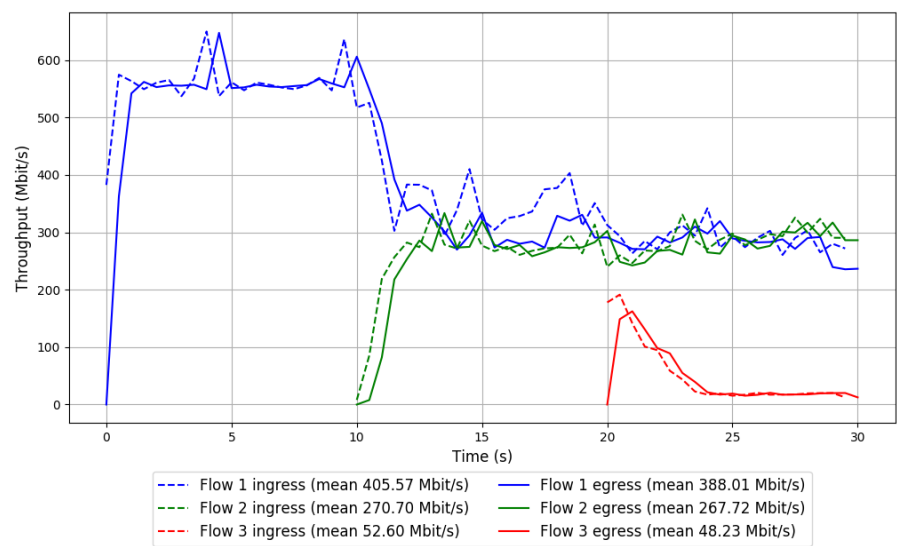
-- Flow 3:

Average throughput: 48.23 Mbit/s

95th percentile per-packet one-way delay: 36.550 ms

Loss rate: 8.31%

Run 5: Report of FillP — Data Link



Run 1: Statistics of FillP-Sheep

Start at: 2019-08-26 23:28:35

End at: 2019-08-26 23:29:05

Local clock offset: -0.196 ms

Remote clock offset: 2.778 ms

Below is generated by plot.py at 2019-08-27 02:26:13

Datalink statistics

-- Total of 3 flows:

Average throughput: 283.54 Mbit/s

95th percentile per-packet one-way delay: 10.751 ms

Loss rate: 1.77%

-- Flow 1:

Average throughput: 243.59 Mbit/s

95th percentile per-packet one-way delay: 11.217 ms

Loss rate: 1.71%

-- Flow 2:

Average throughput: 40.08 Mbit/s

95th percentile per-packet one-way delay: 6.735 ms

Loss rate: 3.22%

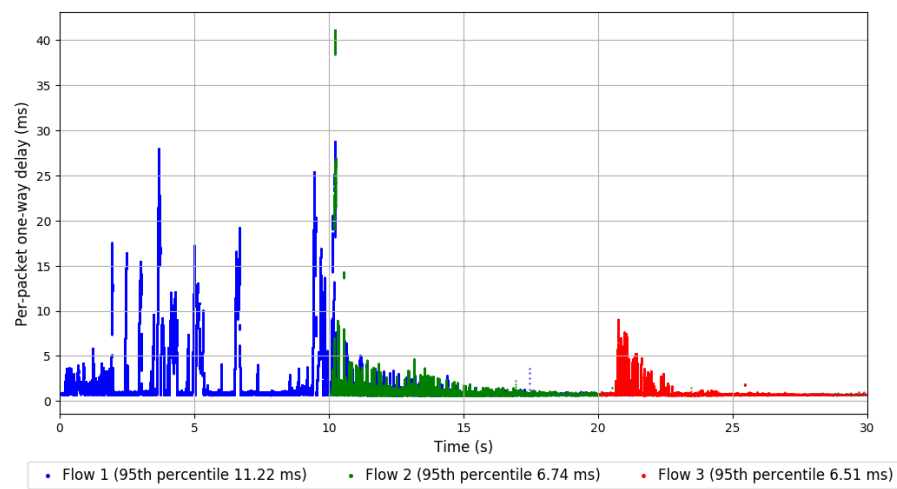
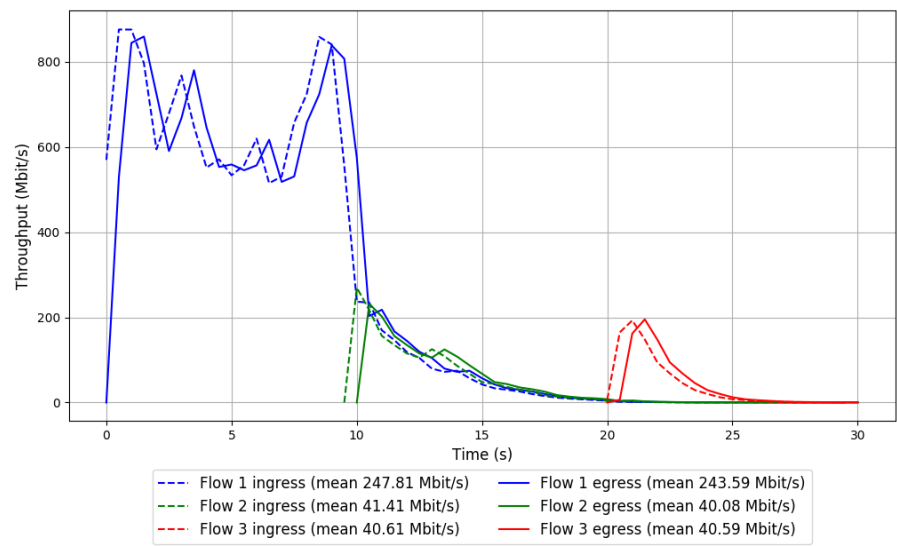
-- Flow 3:

Average throughput: 40.59 Mbit/s

95th percentile per-packet one-way delay: 6.514 ms

Loss rate: 0.05%

Run 1: Report of FillP-Sheep — Data Link



Run 2: Statistics of FillP-Sheep

Start at: 2019-08-27 00:02:16

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

Local clock offset: -0.426 ms

Remote clock offset: 3.673 ms

Below is generated by plot.py at 2019-08-27 02:26:13

Datalink statistics

-- Total of 3 flows:

Average throughput: 231.13 Mbit/s

95th percentile per-packet one-way delay: 11.726 ms

Loss rate: 0.66%

-- Flow 1:

Average throughput: 200.14 Mbit/s

95th percentile per-packet one-way delay: 12.309 ms

Loss rate: 0.71%

-- Flow 2:

Average throughput: 27.50 Mbit/s

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

Loss rate: 0.44%

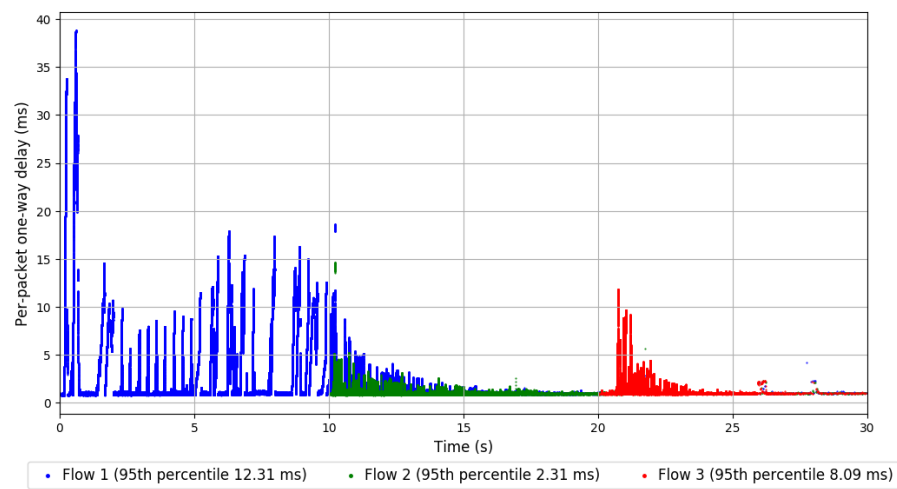
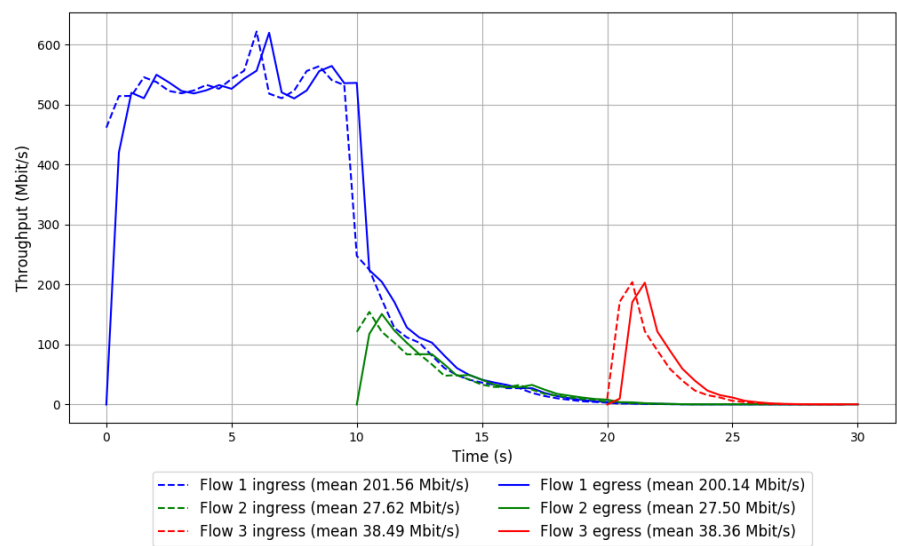
-- Flow 3:

Average throughput: 38.36 Mbit/s

95th percentile per-packet one-way delay: 8.093 ms

Loss rate: 0.33%

Run 2: Report of FillP-Sheep — Data Link



Run 3: Statistics of FillP-Sheep

Start at: 2019-08-27 00:36:02

End at: 2019-08-27 00:36:32

Local clock offset: -0.638 ms

Remote clock offset: 2.06 ms

Below is generated by plot.py at 2019-08-27 02:26:54

Datalink statistics

-- Total of 3 flows:

Average throughput: 246.71 Mbit/s

95th percentile per-packet one-way delay: 11.262 ms

Loss rate: 0.43%

-- Flow 1:

Average throughput: 211.93 Mbit/s

95th percentile per-packet one-way delay: 11.544 ms

Loss rate: 0.12%

-- Flow 2:

Average throughput: 38.76 Mbit/s

95th percentile per-packet one-way delay: 5.358 ms

Loss rate: 1.45%

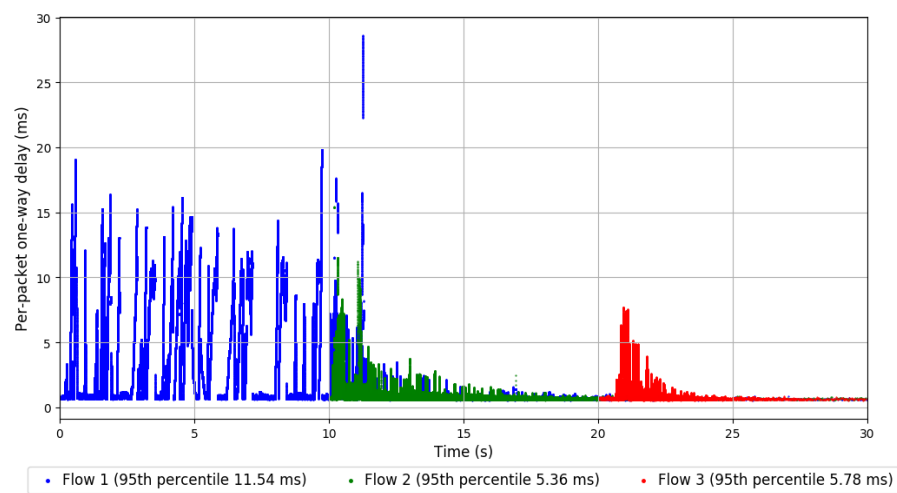
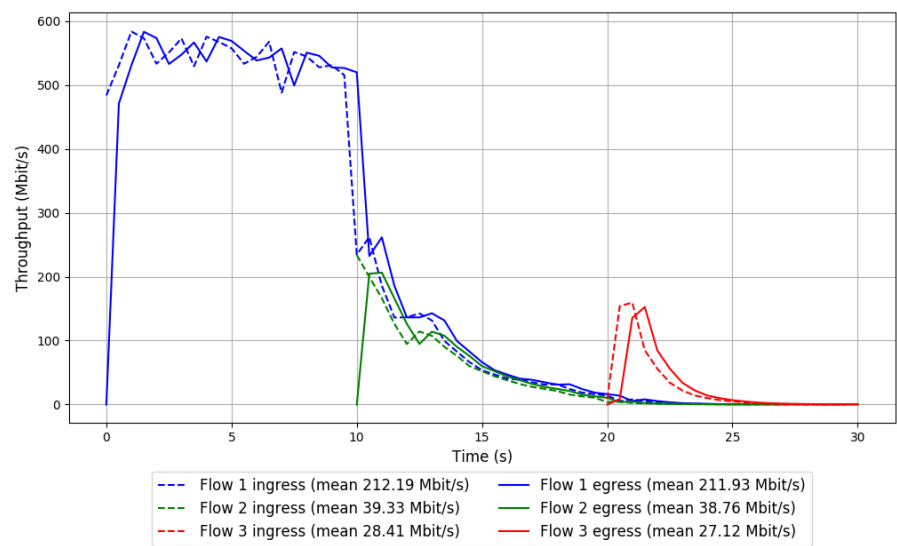
-- Flow 3:

Average throughput: 27.12 Mbit/s

95th percentile per-packet one-way delay: 5.780 ms

Loss rate: 4.53%

Run 3: Report of FillP-Sheep — Data Link



Run 4: Statistics of FillP-Sheep

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

End at: 2019-08-27 01:10:17

Local clock offset: -0.59 ms

Remote clock offset: 3.876 ms

Below is generated by plot.py at 2019-08-27 02:28:36

Datalink statistics

-- Total of 3 flows:

Average throughput: 301.97 Mbit/s

95th percentile per-packet one-way delay: 10.425 ms

Loss rate: 0.24%

-- Flow 1:

Average throughput: 232.47 Mbit/s

95th percentile per-packet one-way delay: 10.807 ms

Loss rate: 0.23%

-- Flow 2:

Average throughput: 88.86 Mbit/s

95th percentile per-packet one-way delay: 5.479 ms

Loss rate: 0.23%

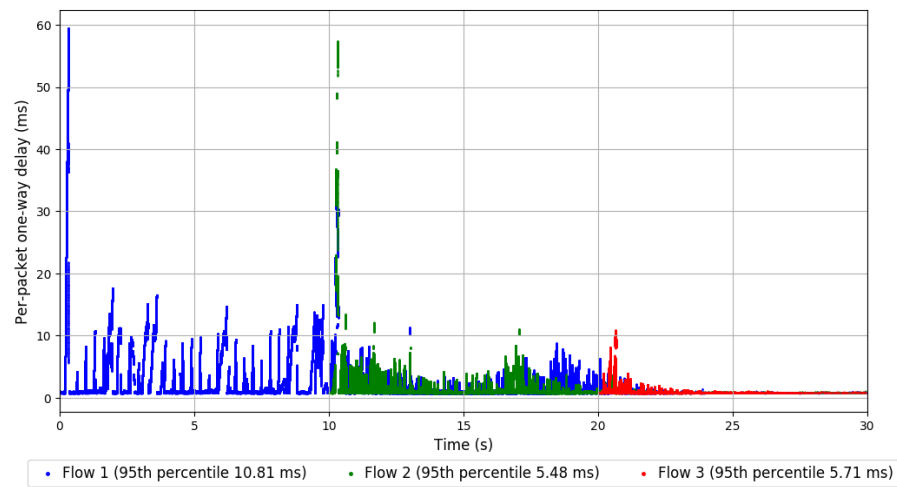
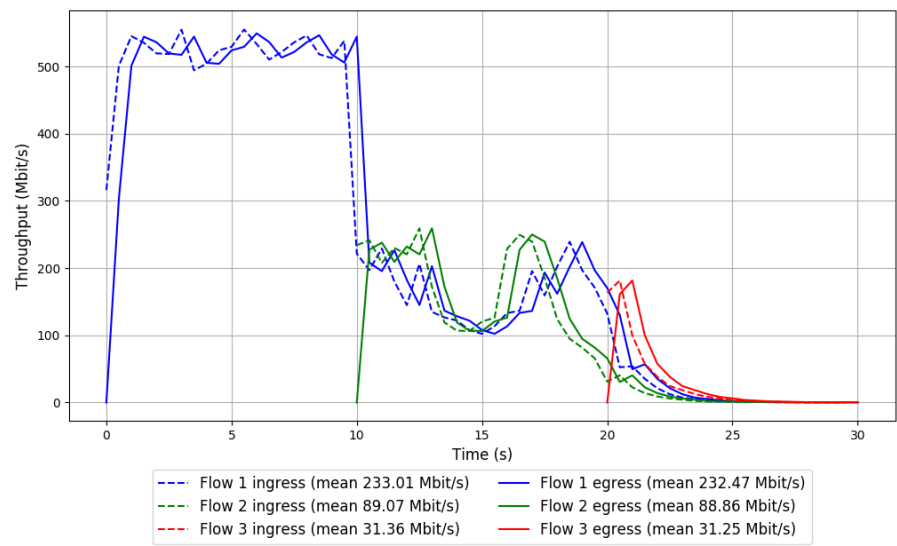
-- Flow 3:

Average throughput: 31.25 Mbit/s

95th percentile per-packet one-way delay: 5.708 ms

Loss rate: 0.34%

Run 4: Report of FillP-Sheep — Data Link



Run 5: Statistics of FillP-Sheep

Start at: 2019-08-27 01:43:22

End at: 2019-08-27 01:43:52

Local clock offset: 0.138 ms

Remote clock offset: 5.052 ms

Below is generated by plot.py at 2019-08-27 02:28:55

Datalink statistics

-- Total of 3 flows:

Average throughput: 323.79 Mbit/s

95th percentile per-packet one-way delay: 9.689 ms

Loss rate: 1.06%

-- Flow 1:

Average throughput: 248.03 Mbit/s

95th percentile per-packet one-way delay: 10.238 ms

Loss rate: 0.13%

-- Flow 2:

Average throughput: 97.64 Mbit/s

95th percentile per-packet one-way delay: 4.315 ms

Loss rate: 3.61%

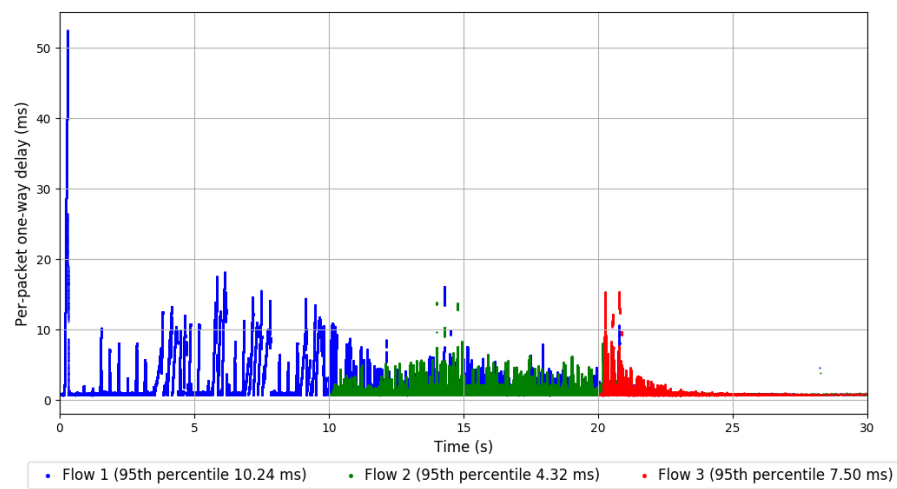
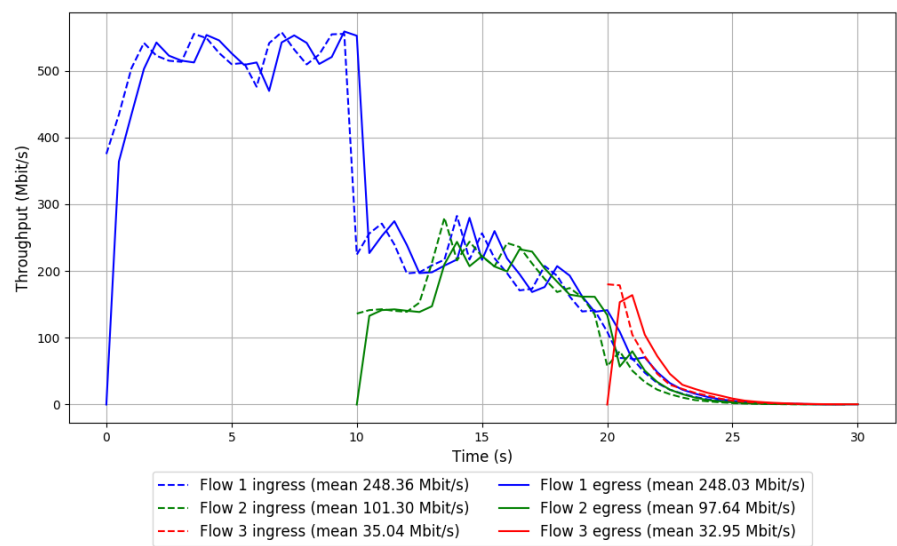
-- Flow 3:

Average throughput: 32.95 Mbit/s

95th percentile per-packet one-way delay: 7.502 ms

Loss rate: 5.99%

Run 5: Report of FillP-Sheep — Data Link

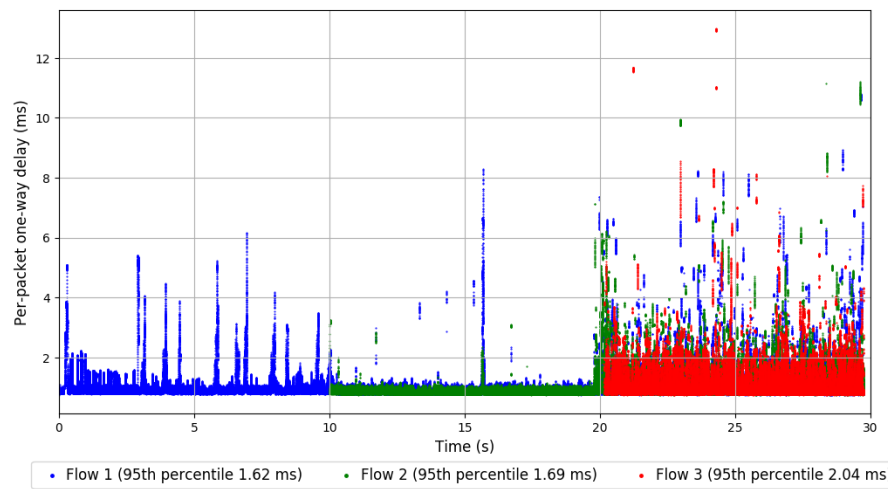
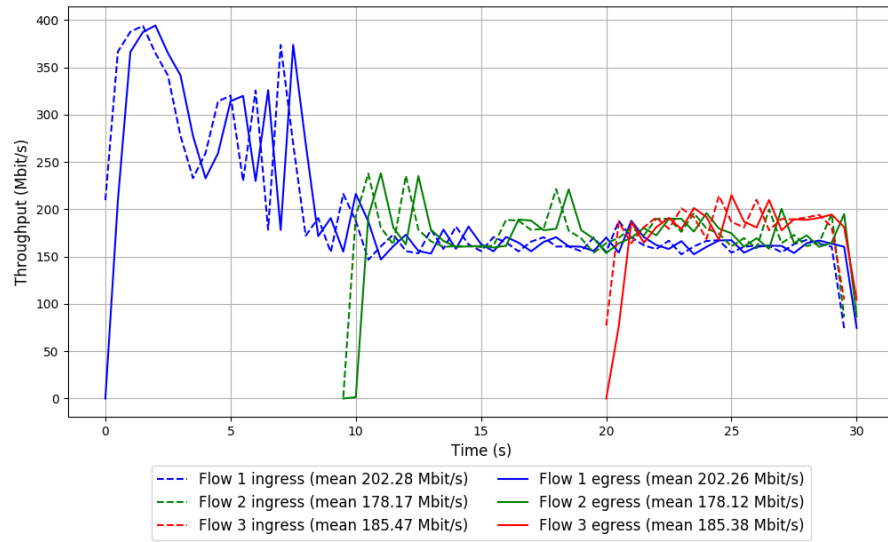


```
Run 1: Statistics of Indigo

Start at: 2019-08-26 23:32:38
End at: 2019-08-26 23:33:08
Local clock offset: -0.243 ms
Remote clock offset: 3.01 ms

# Below is generated by plot.py at 2019-08-27 02:29:24
# Datalink statistics
-- Total of 3 flows:
Average throughput: 380.40 Mbit/s
95th percentile per-packet one-way delay: 1.753 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 202.26 Mbit/s
95th percentile per-packet one-way delay: 1.616 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 178.12 Mbit/s
95th percentile per-packet one-way delay: 1.693 ms
Loss rate: 0.02%
-- Flow 3:
Average throughput: 185.38 Mbit/s
95th percentile per-packet one-way delay: 2.045 ms
Loss rate: 0.05%
```

Run 1: Report of Indigo — Data Link



Run 2: Statistics of Indigo

Start at: 2019-08-27 00:06:20

End at: 2019-08-27 00:06:50

Local clock offset: -0.456 ms

Remote clock offset: 2.499 ms

Below is generated by plot.py at 2019-08-27 02:29:30

Datalink statistics

-- Total of 3 flows:

Average throughput: 382.97 Mbit/s

95th percentile per-packet one-way delay: 1.988 ms

Loss rate: 0.04%

-- Flow 1:

Average throughput: 204.52 Mbit/s

95th percentile per-packet one-way delay: 1.893 ms

Loss rate: 0.02%

-- Flow 2:

Average throughput: 180.80 Mbit/s

95th percentile per-packet one-way delay: 1.942 ms

Loss rate: 0.04%

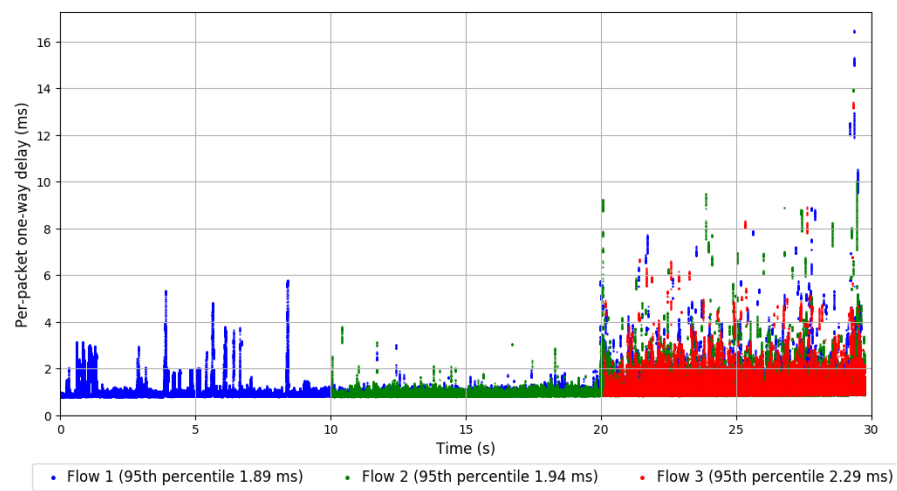
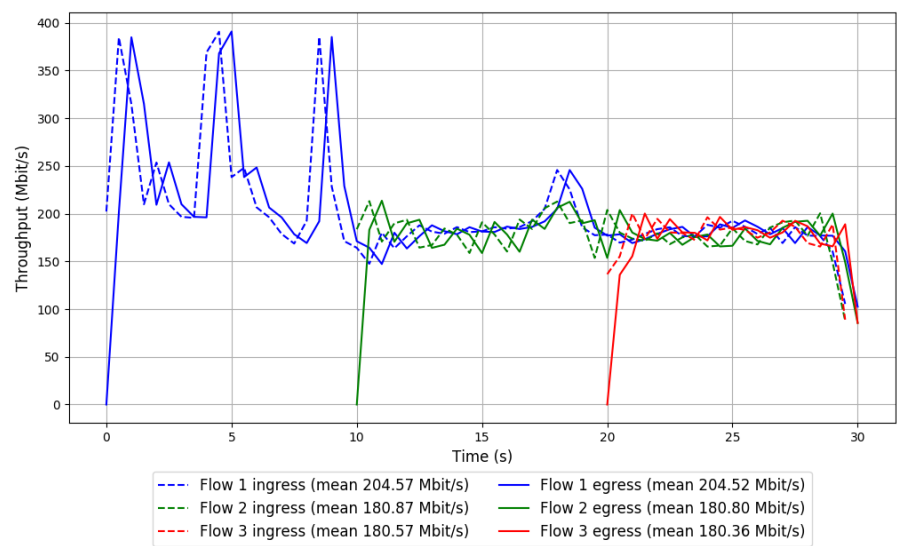
-- Flow 3:

Average throughput: 180.36 Mbit/s

95th percentile per-packet one-way delay: 2.288 ms

Loss rate: 0.11%

Run 2: Report of Indigo — Data Link



Run 3: Statistics of Indigo

Start at: 2019-08-27 00:40:01

End at: 2019-08-27 00:40:31

Local clock offset: -0.649 ms

Remote clock offset: 2.726 ms

Below is generated by plot.py at 2019-08-27 02:29:43

Datalink statistics

-- Total of 3 flows:

Average throughput: 377.84 Mbit/s

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

Loss rate: 0.01%

-- Flow 1:

Average throughput: 199.60 Mbit/s

95th percentile per-packet one-way delay: 1.724 ms

Loss rate: 0.01%

-- Flow 2:

Average throughput: 183.26 Mbit/s

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

Loss rate: 0.01%

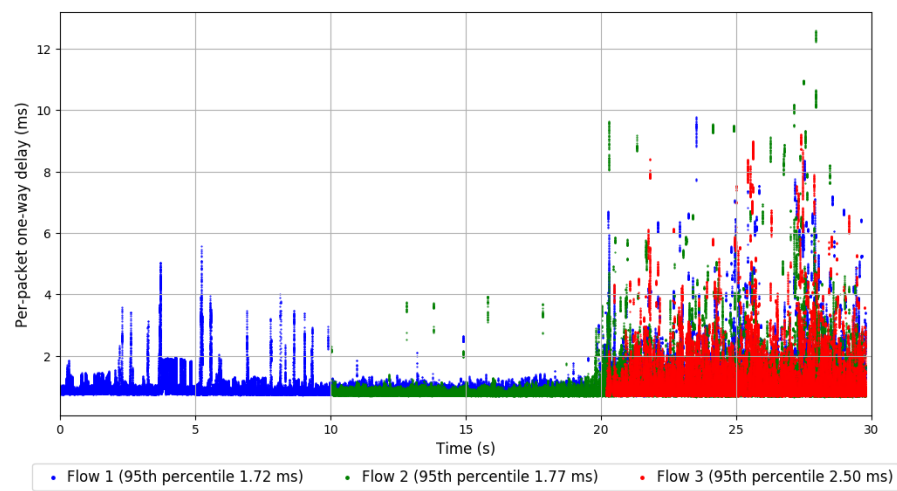
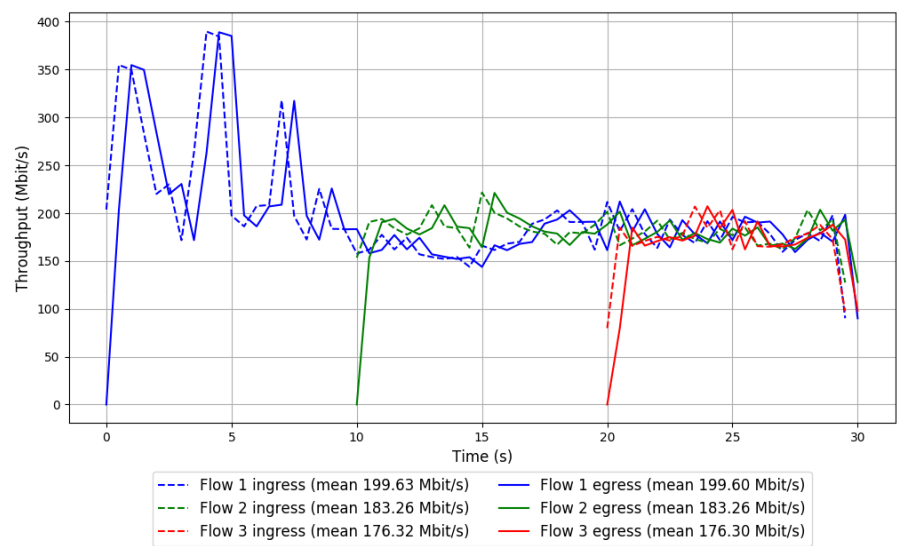
-- Flow 3:

Average throughput: 176.30 Mbit/s

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

Loss rate: 0.01%

Run 3: Report of Indigo — Data Link



Run 4: Statistics of Indigo

Start at: 2019-08-27 01:13:46

End at: 2019-08-27 01:14:16

Local clock offset: -0.556 ms

Remote clock offset: 3.778 ms

Below is generated by plot.py at 2019-08-27 02:30:27

Datalink statistics

-- Total of 3 flows:

Average throughput: 381.71 Mbit/s

95th percentile per-packet one-way delay: 1.899 ms

Loss rate: 0.01%

-- Flow 1:

Average throughput: 202.74 Mbit/s

95th percentile per-packet one-way delay: 1.867 ms

Loss rate: 0.01%

-- Flow 2:

Average throughput: 181.70 Mbit/s

95th percentile per-packet one-way delay: 1.787 ms

Loss rate: 0.01%

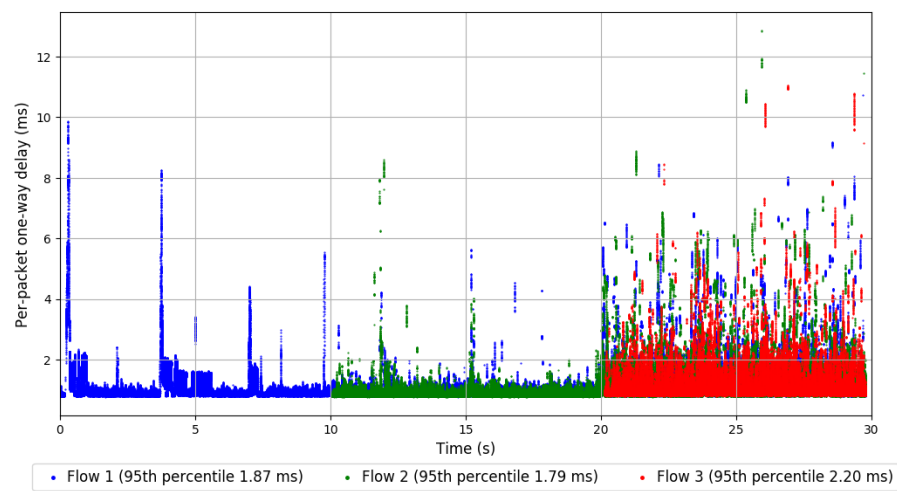
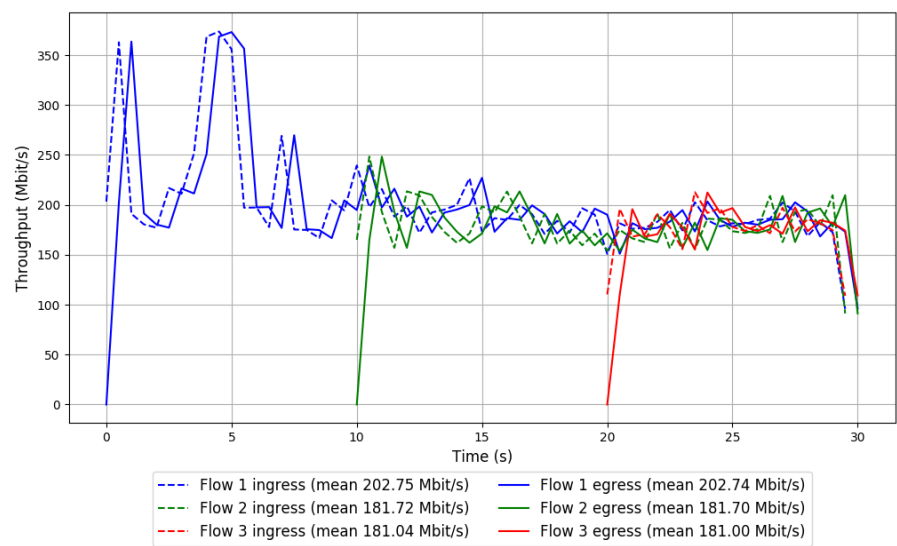
-- Flow 3:

Average throughput: 181.00 Mbit/s

95th percentile per-packet one-way delay: 2.203 ms

Loss rate: 0.02%

Run 4: Report of Indigo — Data Link



Run 5: Statistics of Indigo

Start at: 2019-08-27 01:47:29

End at: 2019-08-27 01:47:59

Local clock offset: 0.231 ms

Remote clock offset: 4.626 ms

Below is generated by plot.py at 2019-08-27 02:30:49

Datalink statistics

-- Total of 3 flows:

Average throughput: 369.61 Mbit/s

95th percentile per-packet one-way delay: 1.990 ms

Loss rate: 0.01%

-- Flow 1:

Average throughput: 187.01 Mbit/s

95th percentile per-packet one-way delay: 1.735 ms

Loss rate: 0.02%

-- Flow 2:

Average throughput: 189.42 Mbit/s

95th percentile per-packet one-way delay: 1.946 ms

Loss rate: 0.00%

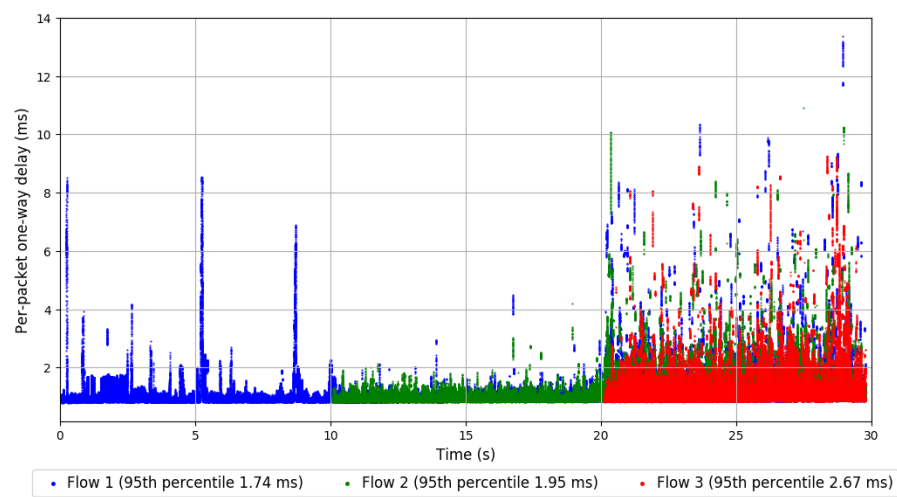
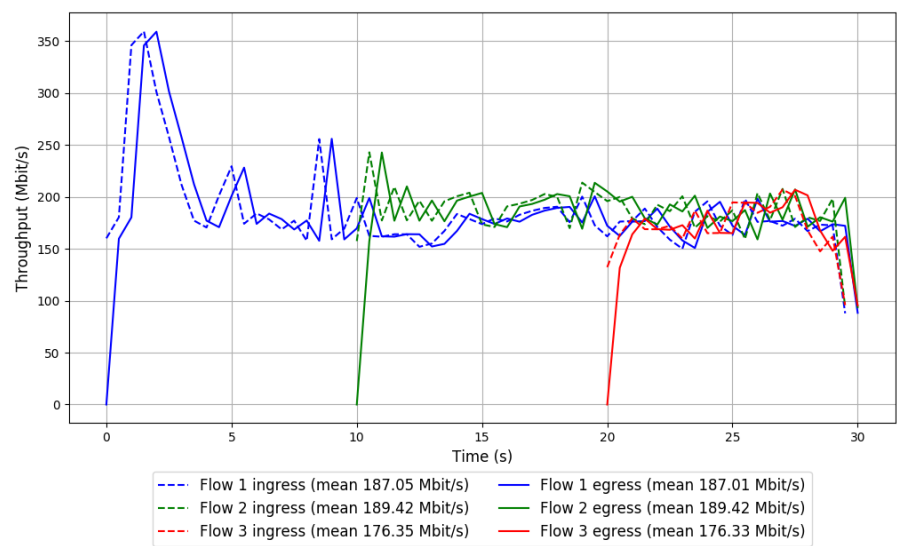
-- Flow 3:

Average throughput: 176.33 Mbit/s

95th percentile per-packet one-way delay: 2.667 ms

Loss rate: 0.01%

Run 5: Report of Indigo — Data Link



Run 1: Statistics of Indigo-MusesC3

Start at: 2019-08-26 23:41:28

End at: 2019-08-26 23:41:58

Local clock offset: -0.286 ms

Remote clock offset: 3.368 ms

Below is generated by plot.py at 2019-08-27 02:31:34

Datalink statistics

-- Total of 3 flows:

Average throughput: 365.52 Mbit/s

95th percentile per-packet one-way delay: 1.833 ms

Loss rate: 0.02%

-- Flow 1:

Average throughput: 181.03 Mbit/s

95th percentile per-packet one-way delay: 1.524 ms

Loss rate: 0.01%

-- Flow 2:

Average throughput: 207.77 Mbit/s

95th percentile per-packet one-way delay: 2.719 ms

Loss rate: 0.05%

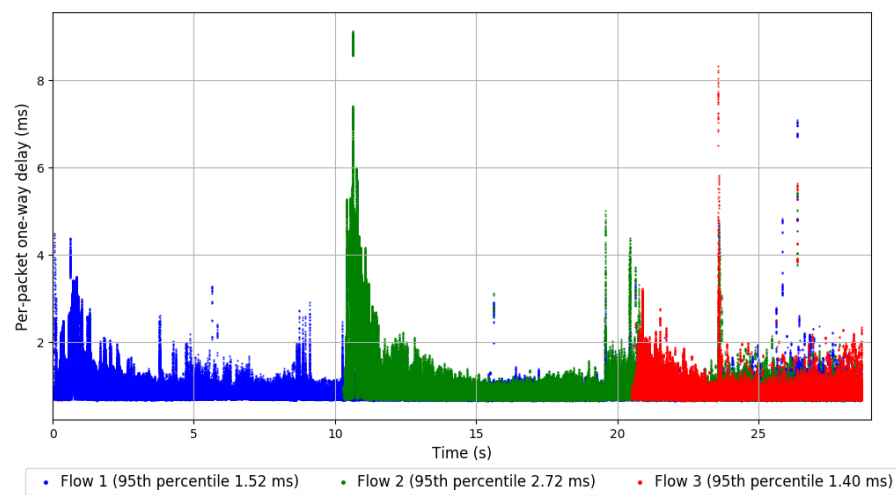
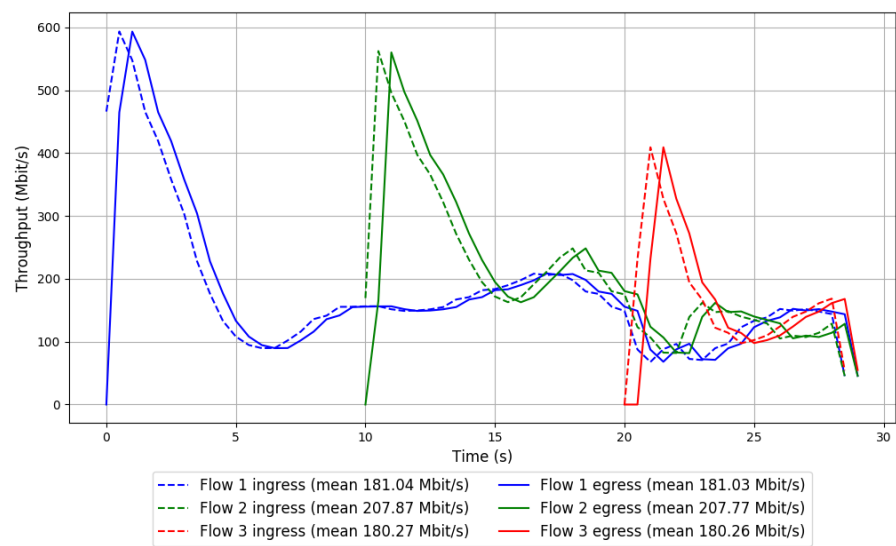
-- Flow 3:

Average throughput: 180.26 Mbit/s

95th percentile per-packet one-way delay: 1.403 ms

Loss rate: 0.00%

Run 1: Report of Indigo-MusesC3 — Data Link



Run 2: Statistics of Indigo-MusesC3

Start at: 2019-08-27 00:15:06

End at: 2019-08-27 00:15:36

Local clock offset: -0.455 ms

Remote clock offset: 1.637 ms

Below is generated by plot.py at 2019-08-27 02:35:18

Datalink statistics

-- Total of 3 flows:

Average throughput: 531.09 Mbit/s

95th percentile per-packet one-way delay: 2.036 ms

Loss rate: 0.05%

-- Flow 1:

Average throughput: 336.15 Mbit/s

95th percentile per-packet one-way delay: 1.980 ms

Loss rate: 0.03%

-- Flow 2:

Average throughput: 214.43 Mbit/s

95th percentile per-packet one-way delay: 2.059 ms

Loss rate: 0.09%

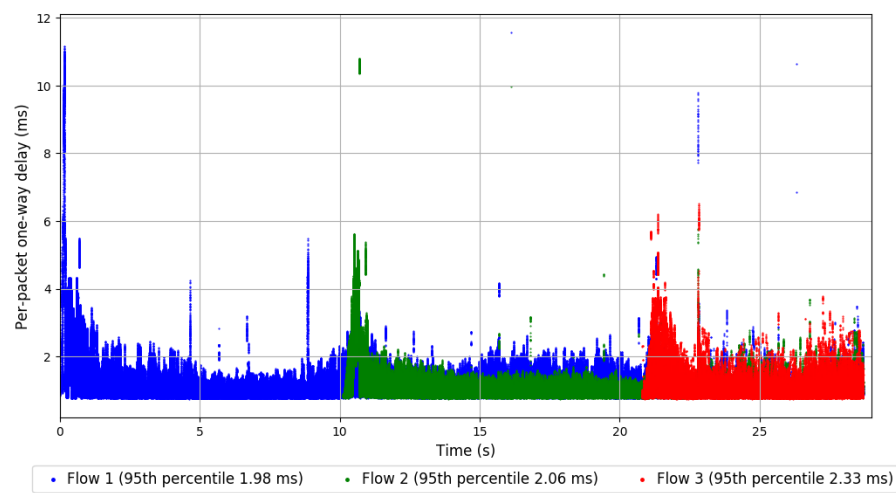
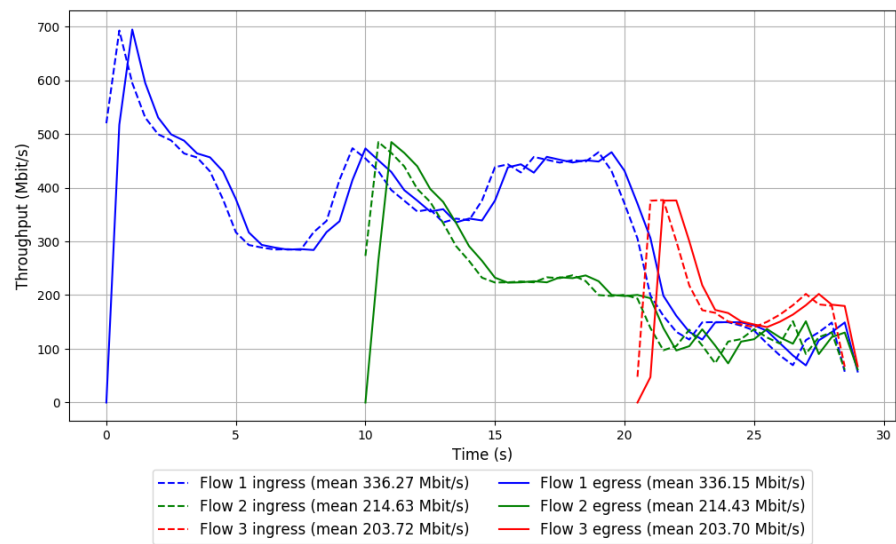
-- Flow 3:

Average throughput: 203.70 Mbit/s

95th percentile per-packet one-way delay: 2.325 ms

Loss rate: 0.01%

Run 2: Report of Indigo-MusesC3 — Data Link



Run 3: Statistics of Indigo-MusesC3

Start at: 2019-08-27 00:48:51

End at: 2019-08-27 00:49:21

Local clock offset: -0.644 ms

Remote clock offset: 3.033 ms

Below is generated by plot.py at 2019-08-27 02:35:18

Datalink statistics

-- Total of 3 flows:

Average throughput: 447.92 Mbit/s

95th percentile per-packet one-way delay: 1.735 ms

Loss rate: 0.02%

-- Flow 1:

Average throughput: 236.23 Mbit/s

95th percentile per-packet one-way delay: 1.672 ms

Loss rate: 0.03%

-- Flow 2:

Average throughput: 235.63 Mbit/s

95th percentile per-packet one-way delay: 1.799 ms

Loss rate: 0.01%

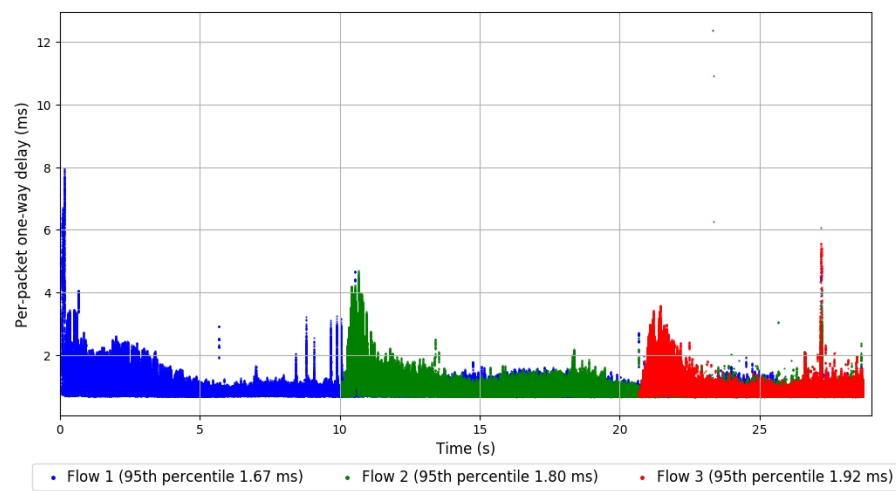
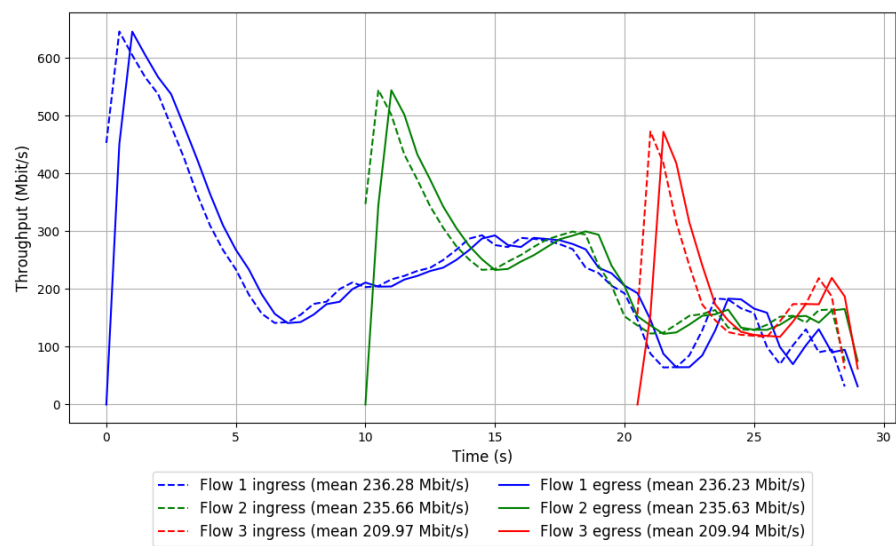
-- Flow 3:

Average throughput: 209.94 Mbit/s

95th percentile per-packet one-way delay: 1.915 ms

Loss rate: 0.01%

Run 3: Report of Indigo-MusesC3 — Data Link



Run 4: Statistics of Indigo-MusesC3

Start at: 2019-08-27 01:22:31

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

Local clock offset: -0.392 ms

Remote clock offset: 3.919 ms

Below is generated by plot.py at 2019-08-27 02:35:18

Datalink statistics

-- Total of 3 flows:

Average throughput: 415.92 Mbit/s

95th percentile per-packet one-way delay: 1.993 ms

Loss rate: 0.21%

-- Flow 1:

Average throughput: 219.75 Mbit/s

95th percentile per-packet one-way delay: 1.633 ms

Loss rate: 0.13%

-- Flow 2:

Average throughput: 225.94 Mbit/s

95th percentile per-packet one-way delay: 2.857 ms

Loss rate: 0.39%

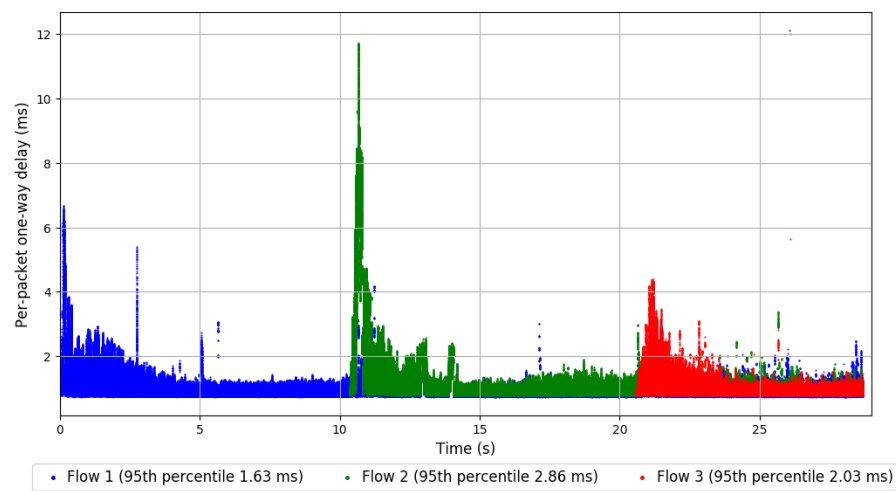
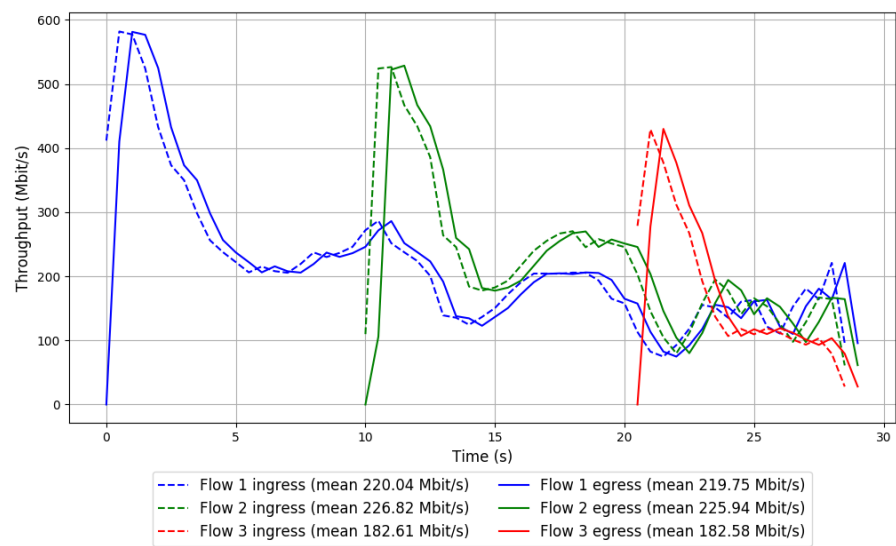
-- Flow 3:

Average throughput: 182.58 Mbit/s

95th percentile per-packet one-way delay: 2.028 ms

Loss rate: 0.01%

Run 4: Report of Indigo-MusesC3 — Data Link



Run 5: Statistics of Indigo-MusesC3

Start at: 2019-08-27 01:56:17

End at: 2019-08-27 01:56:47

Local clock offset: 0.411 ms

Remote clock offset: 4.257 ms

Below is generated by plot.py at 2019-08-27 02:35:25

Datalink statistics

-- Total of 3 flows:

Average throughput: 477.29 Mbit/s

95th percentile per-packet one-way delay: 1.879 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 267.44 Mbit/s

95th percentile per-packet one-way delay: 1.850 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 237.80 Mbit/s

95th percentile per-packet one-way delay: 1.959 ms

Loss rate: 0.00%

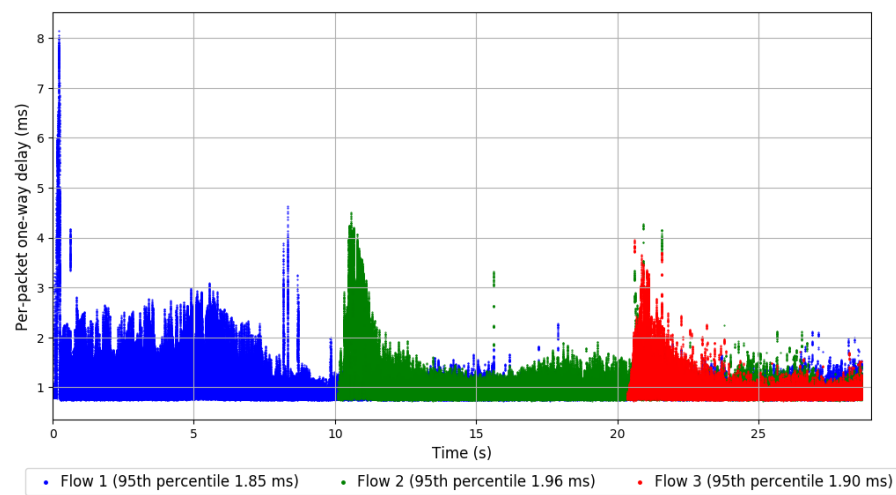
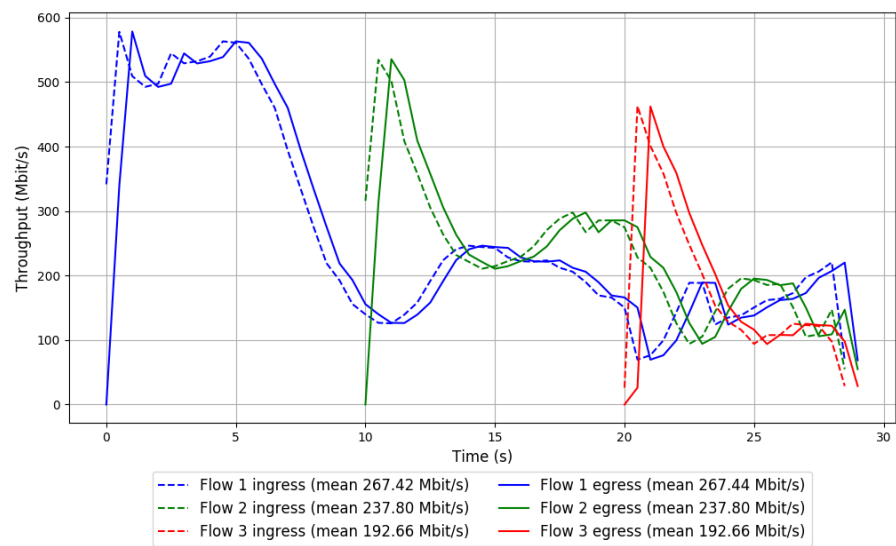
-- Flow 3:

Average throughput: 192.66 Mbit/s

95th percentile per-packet one-way delay: 1.899 ms

Loss rate: 0.00%

Run 5: Report of Indigo-MusesC3 — Data Link



Run 1: Statistics of Indigo-MusesC5

Start at: 2019-08-26 23:16:02

End at: 2019-08-26 23:16:32

Local clock offset: -0.124 ms

Remote clock offset: 2.048 ms

Below is generated by plot.py at 2019-08-27 02:35:25

Datalink statistics

-- Total of 3 flows:

Average throughput: 183.28 Mbit/s

95th percentile per-packet one-way delay: 2.498 ms

Loss rate: 0.07%

-- Flow 1:

Average throughput: 71.02 Mbit/s

95th percentile per-packet one-way delay: 2.238 ms

Loss rate: 0.04%

-- Flow 2:

Average throughput: 93.96 Mbit/s

95th percentile per-packet one-way delay: 2.463 ms

Loss rate: 0.10%

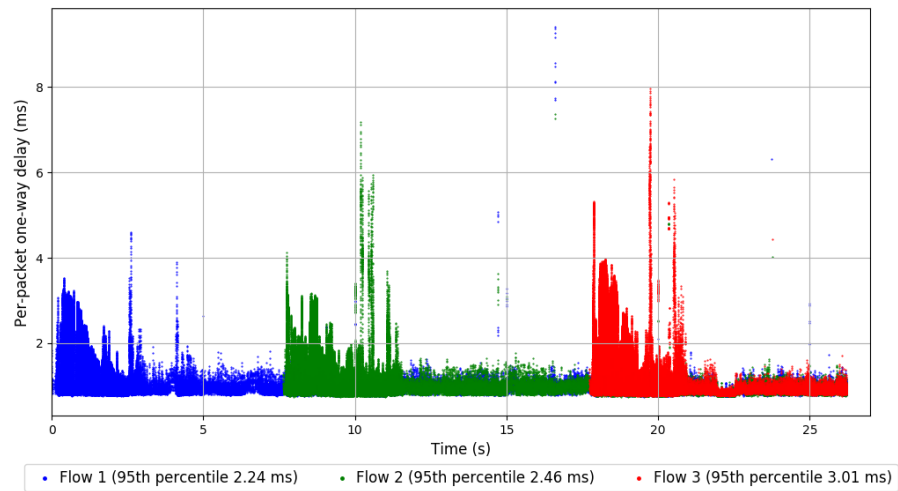
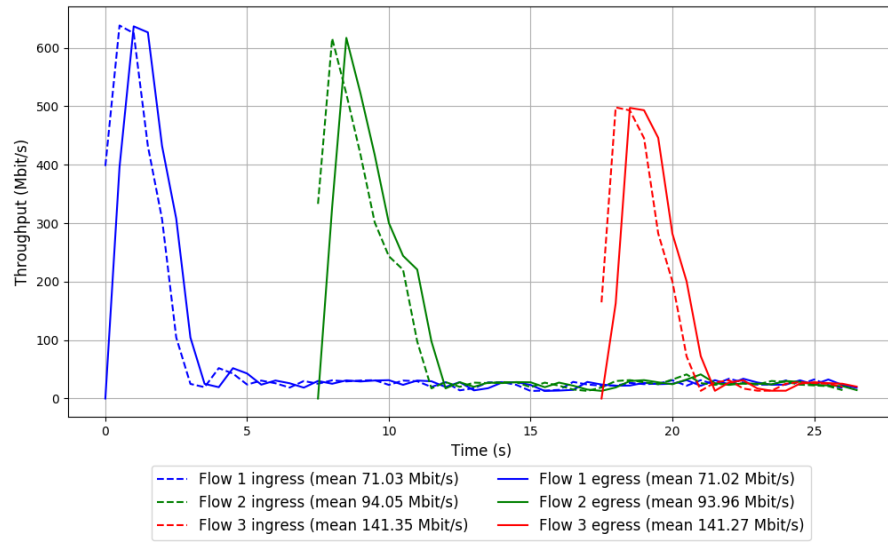
-- Flow 3:

Average throughput: 141.27 Mbit/s

95th percentile per-packet one-way delay: 3.009 ms

Loss rate: 0.06%

Run 1: Report of Indigo-MusesC5 — Data Link



Run 2: Statistics of Indigo-MusesC5

Start at: 2019-08-26 23:49:36

End at: 2019-08-26 23:50:06

Local clock offset: -0.361 ms

Remote clock offset: 3.596 ms

Below is generated by plot.py at 2019-08-27 02:35:25

Datalink statistics

-- Total of 3 flows:

Average throughput: 316.07 Mbit/s

95th percentile per-packet one-way delay: 3.147 ms

Loss rate: 0.06%

-- Flow 1:

Average throughput: 174.37 Mbit/s

95th percentile per-packet one-way delay: 1.278 ms

Loss rate: 0.02%

-- Flow 2:

Average throughput: 96.41 Mbit/s

95th percentile per-packet one-way delay: 4.255 ms

Loss rate: 0.18%

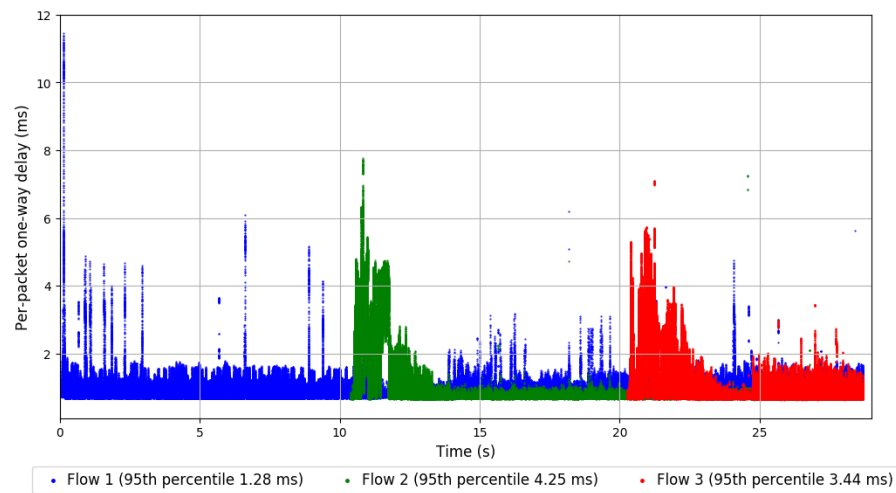
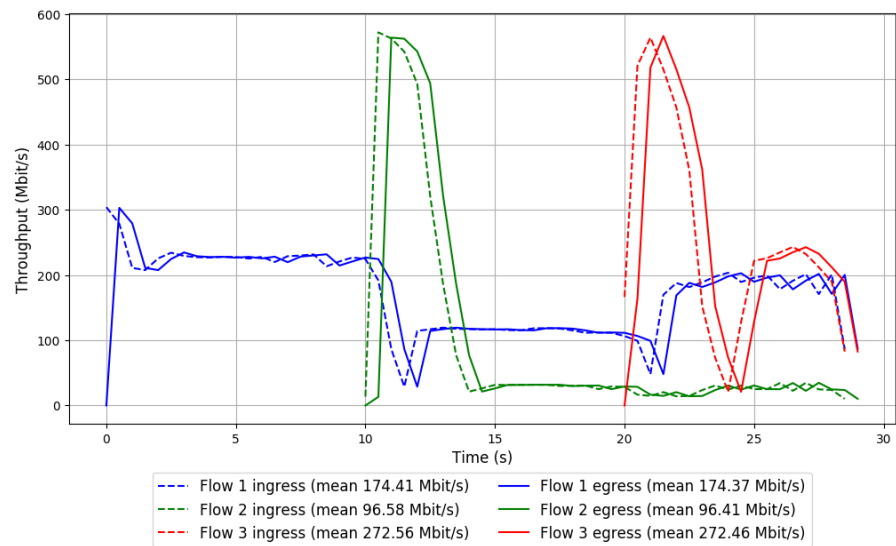
-- Flow 3:

Average throughput: 272.46 Mbit/s

95th percentile per-packet one-way delay: 3.440 ms

Loss rate: 0.04%

Run 2: Report of Indigo-MusesC5 — Data Link



Run 3: Statistics of Indigo-MusesC5

Start at: 2019-08-27 00:23:24

End at: 2019-08-27 00:23:54

Local clock offset: -0.494 ms

Remote clock offset: 1.646 ms

Below is generated by plot.py at 2019-08-27 02:35:25

Datalink statistics

-- Total of 3 flows:

Average throughput: 188.89 Mbit/s

95th percentile per-packet one-way delay: 2.410 ms

Loss rate: 0.01%

-- Flow 1:

Average throughput: 115.24 Mbit/s

95th percentile per-packet one-way delay: 1.302 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 95.48 Mbit/s

95th percentile per-packet one-way delay: 2.999 ms

Loss rate: 0.01%

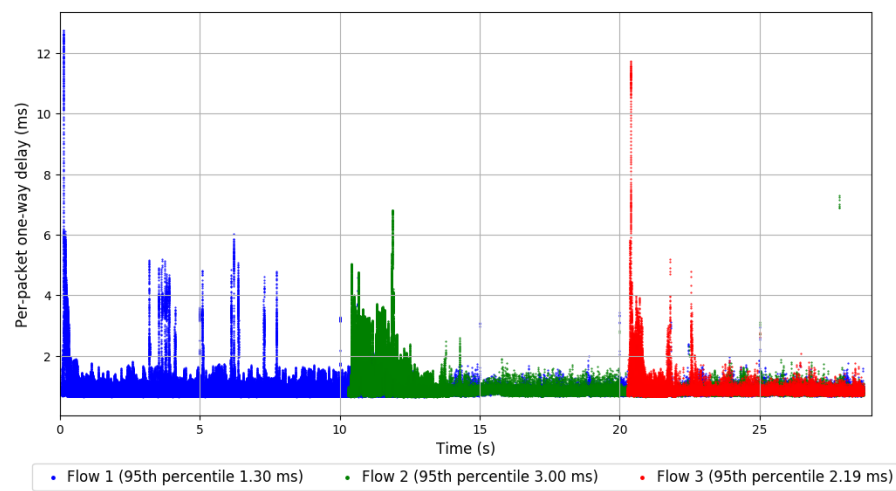
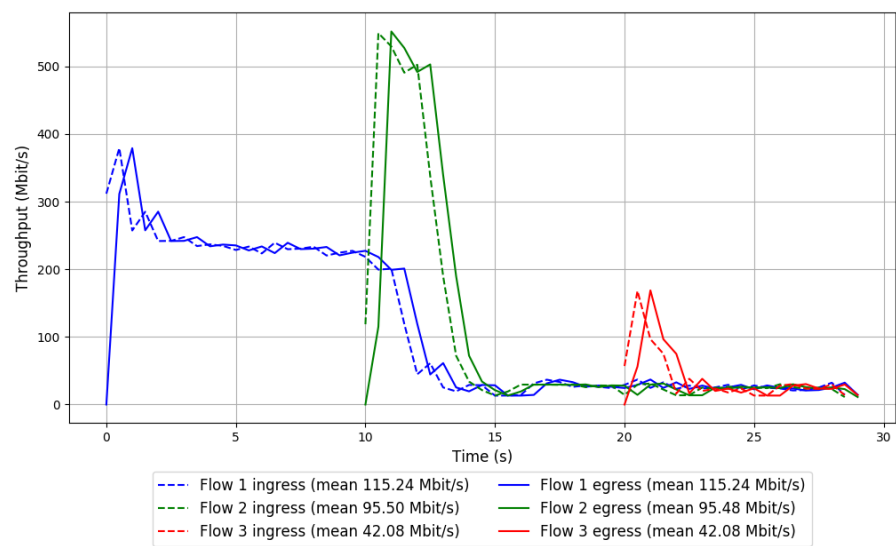
-- Flow 3:

Average throughput: 42.08 Mbit/s

95th percentile per-packet one-way delay: 2.195 ms

Loss rate: 0.00%

Run 3: Report of Indigo-MusesC5 — Data Link



Run 4: Statistics of Indigo-MusesC5

Start at: 2019-08-27 00:57:05

End at: 2019-08-27 00:57:35

Local clock offset: -0.635 ms

Remote clock offset: 3.419 ms

Below is generated by plot.py at 2019-08-27 02:35:25

Datalink statistics

-- Total of 3 flows:

Average throughput: 189.24 Mbit/s

95th percentile per-packet one-way delay: 2.238 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 68.73 Mbit/s

95th percentile per-packet one-way delay: 1.888 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 84.01 Mbit/s

95th percentile per-packet one-way delay: 3.403 ms

Loss rate: 0.00%

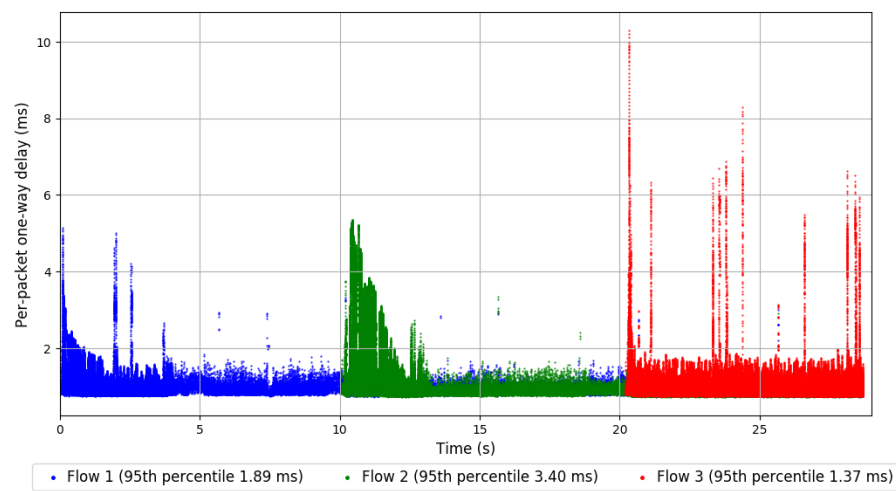
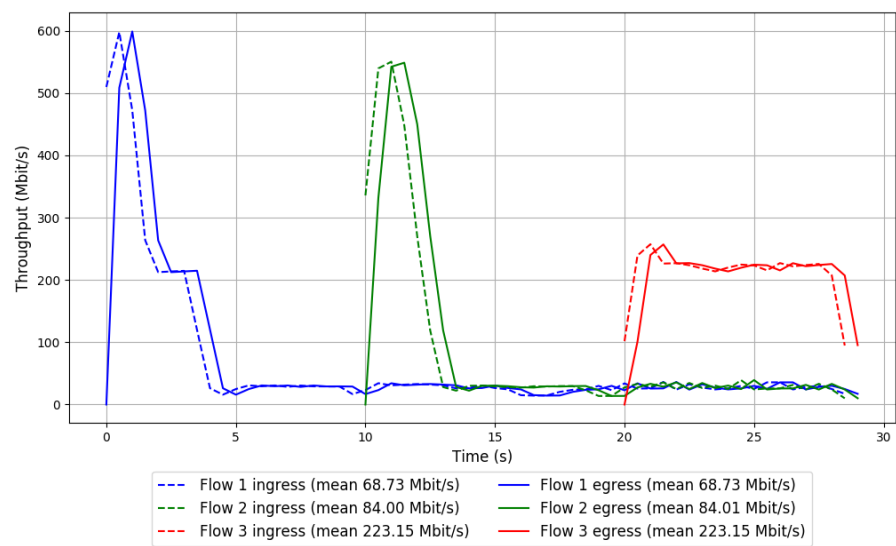
-- Flow 3:

Average throughput: 223.15 Mbit/s

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

Loss rate: 0.00%

Run 4: Report of Indigo-MusesC5 — Data Link



Run 5: Statistics of Indigo-MusesC5

Start at: 2019-08-27 01:30:36

End at: 2019-08-27 01:31:06

Local clock offset: -0.199 ms

Remote clock offset: 4.28 ms

Below is generated by plot.py at 2019-08-27 02:35:25

Datalink statistics

-- Total of 3 flows:

Average throughput: 270.82 Mbit/s

95th percentile per-packet one-way delay: 2.815 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 107.60 Mbit/s

95th percentile per-packet one-way delay: 1.397 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 112.67 Mbit/s

95th percentile per-packet one-way delay: 4.273 ms

Loss rate: 0.00%

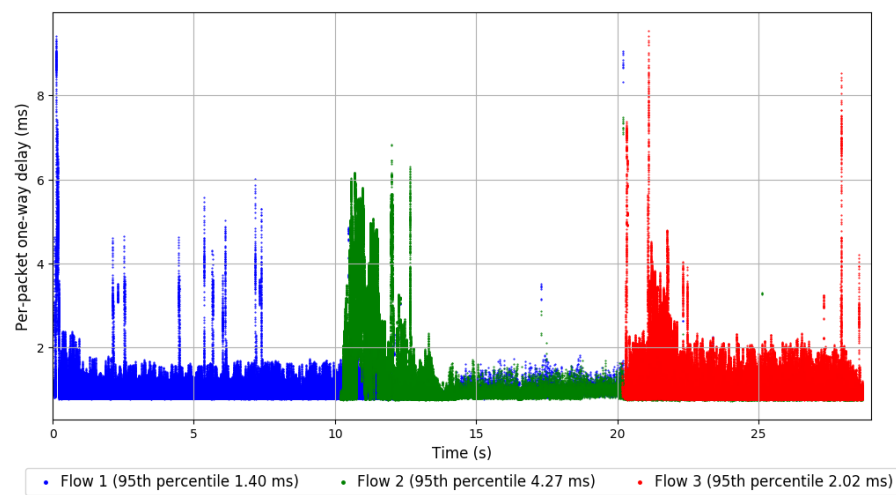
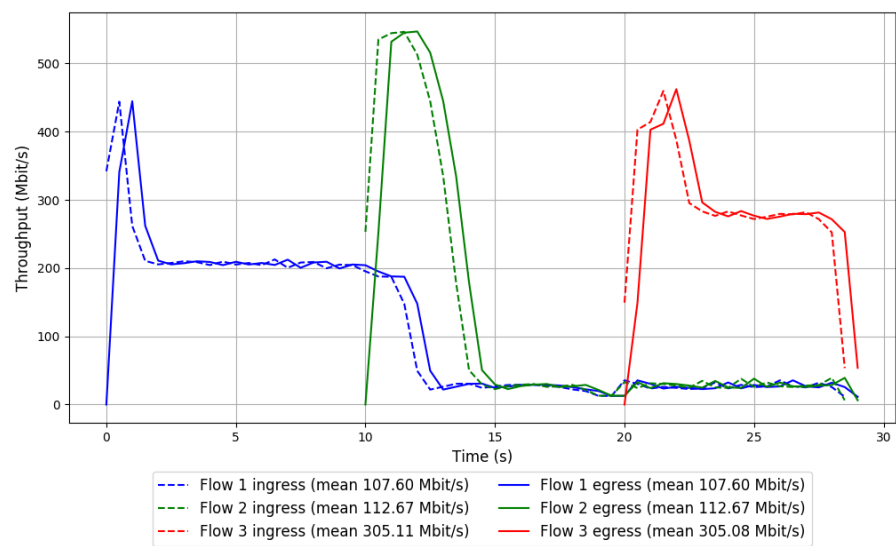
-- Flow 3:

Average throughput: 305.08 Mbit/s

95th percentile per-packet one-way delay: 2.021 ms

Loss rate: 0.00%

Run 5: Report of Indigo-MusesC5 — Data Link



Run 1: Statistics of Indigo-MusesD

Start at: 2019-08-26 23:25:42

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

Local clock offset: -0.161 ms

Remote clock offset: 2.552 ms

Below is generated by plot.py at 2019-08-27 02:35:25

Datalink statistics

-- Total of 3 flows:

Average throughput: 155.81 Mbit/s

95th percentile per-packet one-way delay: 1.463 ms

Loss rate: 0.01%

-- Flow 1:

Average throughput: 75.54 Mbit/s

95th percentile per-packet one-way delay: 1.451 ms

Loss rate: 0.01%

-- Flow 2:

Average throughput: 82.71 Mbit/s

95th percentile per-packet one-way delay: 1.401 ms

Loss rate: 0.00%

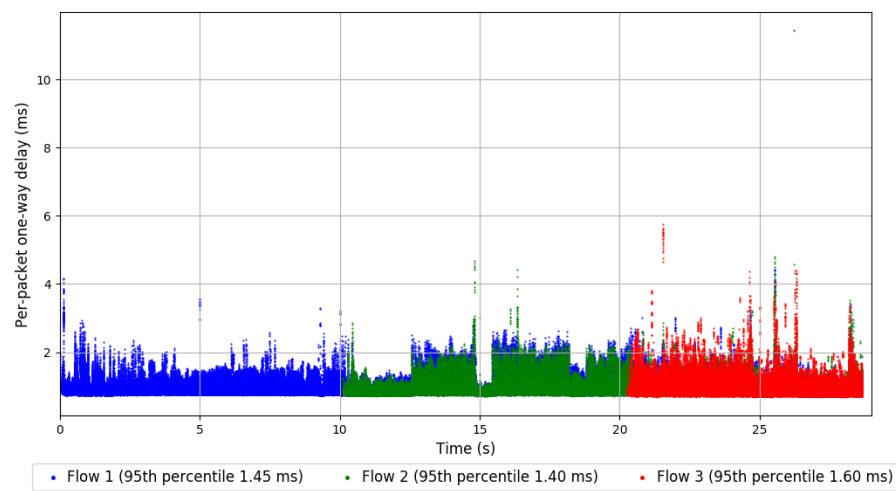
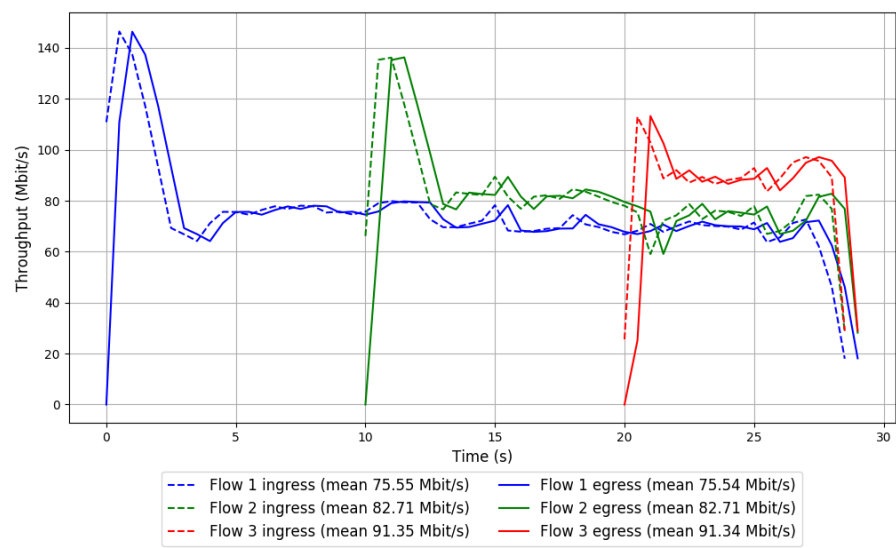
-- Flow 3:

Average throughput: 91.34 Mbit/s

95th percentile per-packet one-way delay: 1.598 ms

Loss rate: 0.00%

Run 1: Report of Indigo-MusesD — Data Link



Run 2: Statistics of Indigo-MusesD

Start at: 2019-08-26 23:59:24

End at: 2019-08-26 23:59:54

Local clock offset: -0.393 ms

Remote clock offset: 3.994 ms

Below is generated by plot.py at 2019-08-27 02:36:22

Datalink statistics

-- Total of 3 flows:

Average throughput: 175.96 Mbit/s

95th percentile per-packet one-way delay: 1.403 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 101.72 Mbit/s

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

Loss rate: 0.00%

-- Flow 2:

Average throughput: 77.14 Mbit/s

95th percentile per-packet one-way delay: 1.473 ms

Loss rate: 0.00%

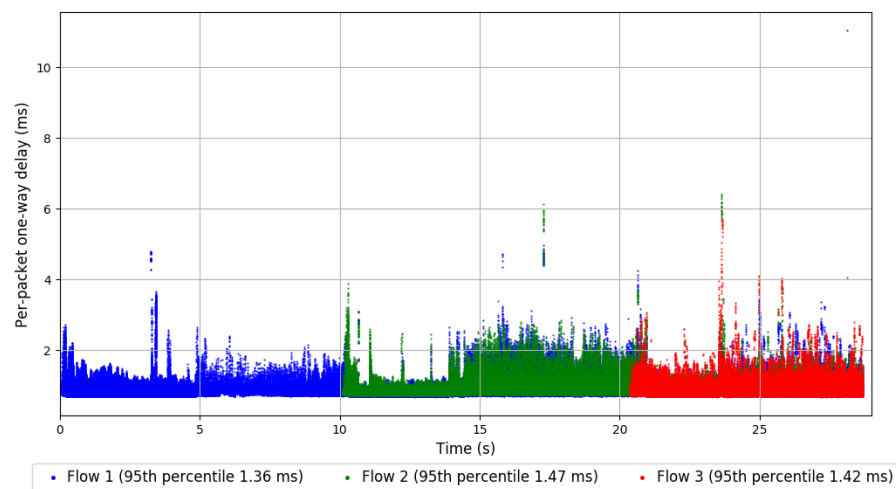
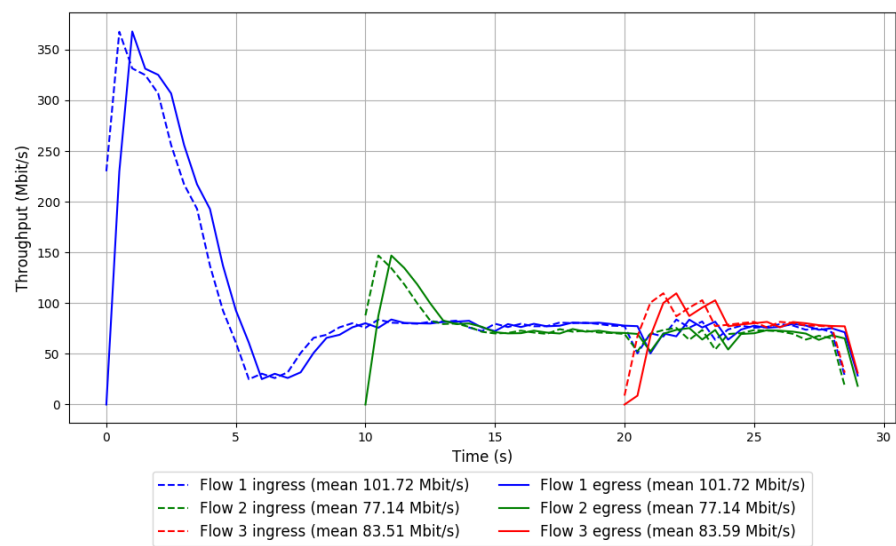
-- Flow 3:

Average throughput: 83.59 Mbit/s

95th percentile per-packet one-way delay: 1.422 ms

Loss rate: 0.00%

Run 2: Report of Indigo-MusesD — Data Link



Run 3: Statistics of Indigo-MusesD

Start at: 2019-08-27 00:33:09

End at: 2019-08-27 00:33:39

Local clock offset: -0.596 ms

Remote clock offset: 1.949 ms

Below is generated by plot.py at 2019-08-27 02:36:26

Datalink statistics

-- Total of 3 flows:

Average throughput: 171.57 Mbit/s

95th percentile per-packet one-way delay: 1.323 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 78.81 Mbit/s

95th percentile per-packet one-way delay: 1.353 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 98.56 Mbit/s

95th percentile per-packet one-way delay: 1.157 ms

Loss rate: 0.00%

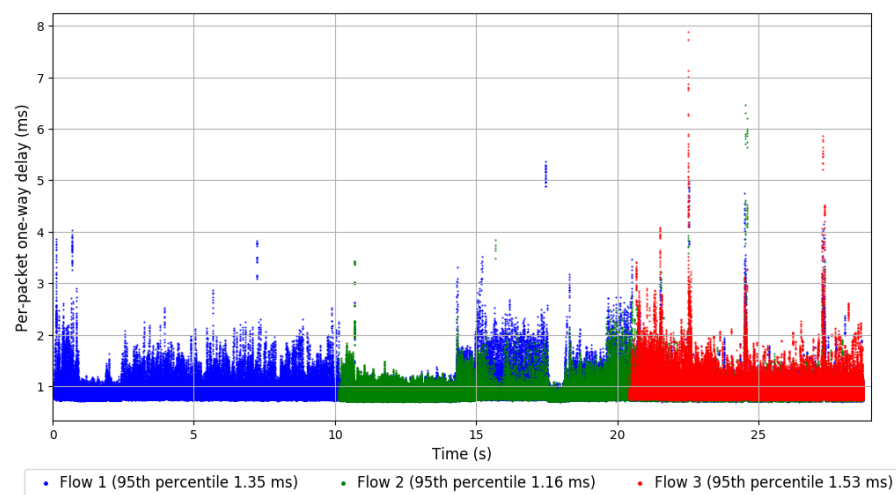
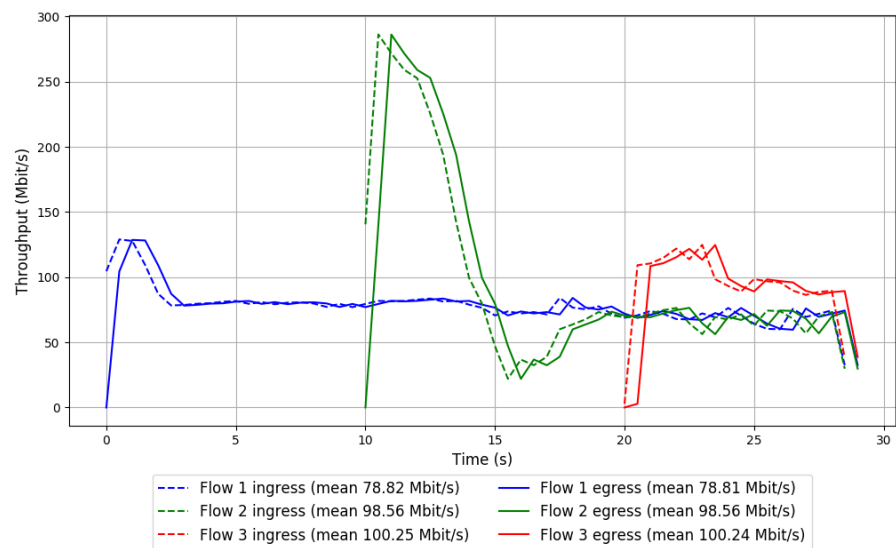
-- Flow 3:

Average throughput: 100.24 Mbit/s

95th percentile per-packet one-way delay: 1.526 ms

Loss rate: 0.01%

Run 3: Report of Indigo-MusesD — Data Link



Run 4: Statistics of Indigo-MusesD

Start at: 2019-08-27 01:06:52

End at: 2019-08-27 01:07:22

Local clock offset: -0.575 ms

Remote clock offset: 3.81 ms

Below is generated by plot.py at 2019-08-27 02:36:54

Datalink statistics

-- Total of 3 flows:

Average throughput: 198.94 Mbit/s

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

Loss rate: 0.00%

-- Flow 1:

Average throughput: 123.03 Mbit/s

95th percentile per-packet one-way delay: 1.601 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 85.70 Mbit/s

95th percentile per-packet one-way delay: 1.174 ms

Loss rate: 0.00%

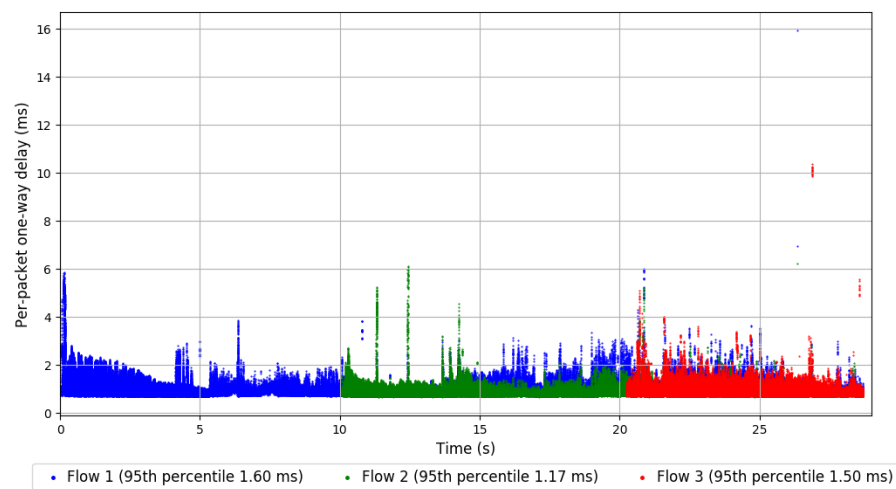
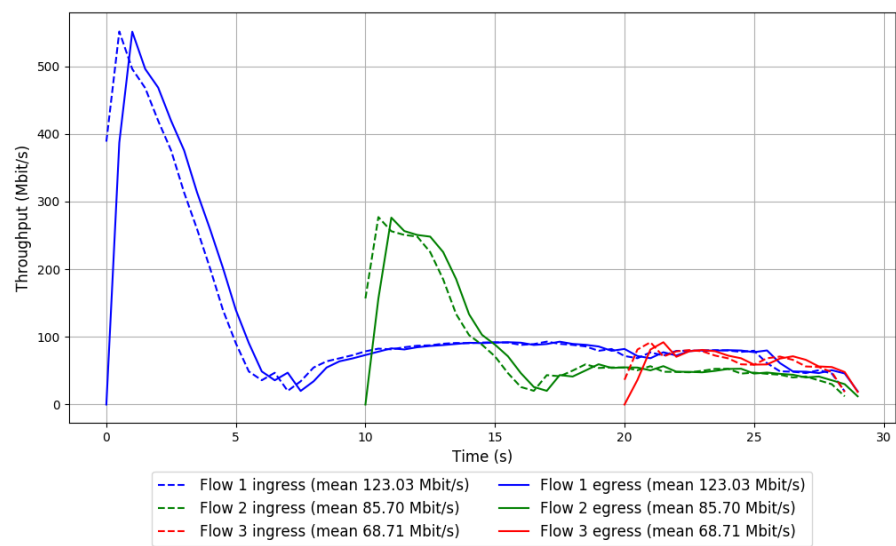
-- Flow 3:

Average throughput: 68.71 Mbit/s

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

Loss rate: 0.00%

Run 4: Report of Indigo-MusesD — Data Link



Run 5: Statistics of Indigo-MusesD

Start at: 2019-08-27 01:40:27

End at: 2019-08-27 01:40:57

Local clock offset: 0.052 ms

Remote clock offset: 4.87 ms

Below is generated by plot.py at 2019-08-27 02:36:54

Datalink statistics

-- Total of 3 flows:

Average throughput: 194.54 Mbit/s

95th percentile per-packet one-way delay: 1.354 ms

Loss rate: 0.04%

-- Flow 1:

Average throughput: 98.70 Mbit/s

95th percentile per-packet one-way delay: 1.287 ms

Loss rate: 0.01%

-- Flow 2:

Average throughput: 98.73 Mbit/s

95th percentile per-packet one-way delay: 1.303 ms

Loss rate: 0.10%

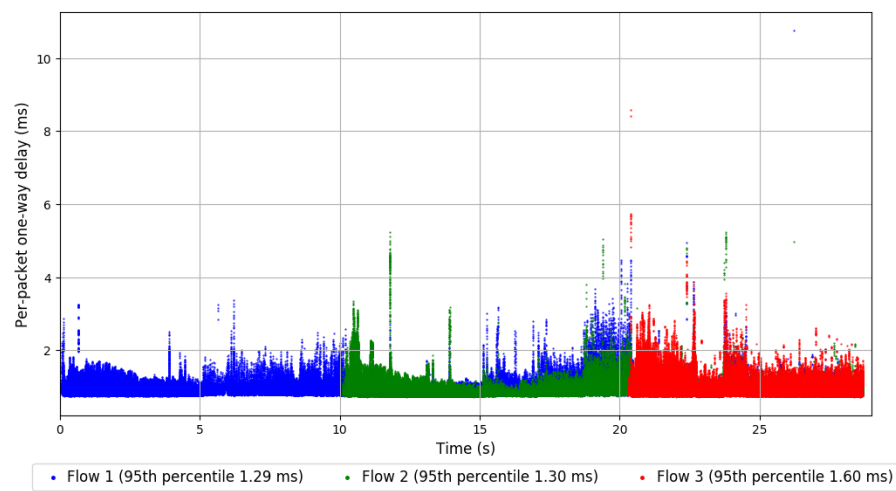
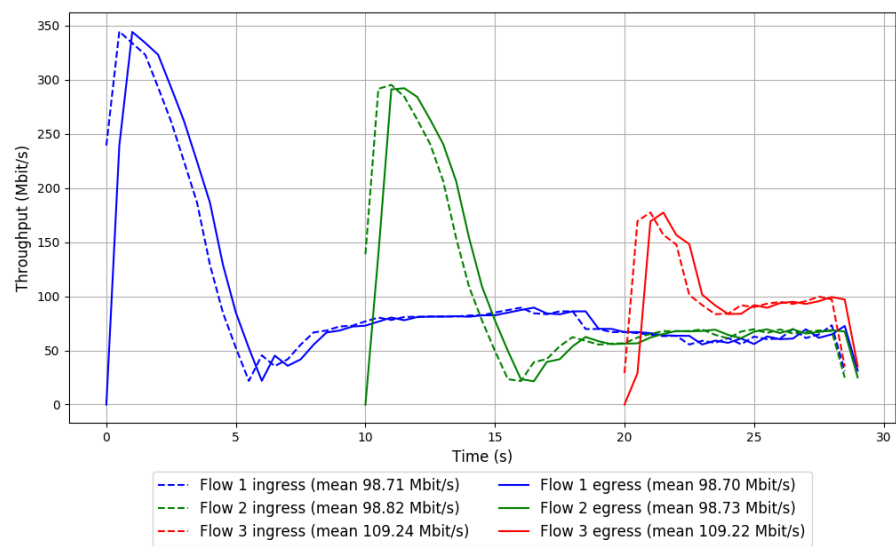
-- Flow 3:

Average throughput: 109.22 Mbit/s

95th percentile per-packet one-way delay: 1.598 ms

Loss rate: 0.01%

Run 5: Report of Indigo-MusesD — Data Link



Run 1: Statistics of Indigo-MusesT

Start at: 2019-08-26 23:22:57

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

Local clock offset: -0.15 ms

Remote clock offset: 2.308 ms

Below is generated by plot.py at 2019-08-27 02:40:41

Datalink statistics

-- Total of 3 flows:

Average throughput: 483.85 Mbit/s

95th percentile per-packet one-way delay: 1.430 ms

Loss rate: 0.02%

-- Flow 1:

Average throughput: 282.50 Mbit/s

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

Loss rate: 0.01%

-- Flow 2:

Average throughput: 247.89 Mbit/s

95th percentile per-packet one-way delay: 1.346 ms

Loss rate: 0.02%

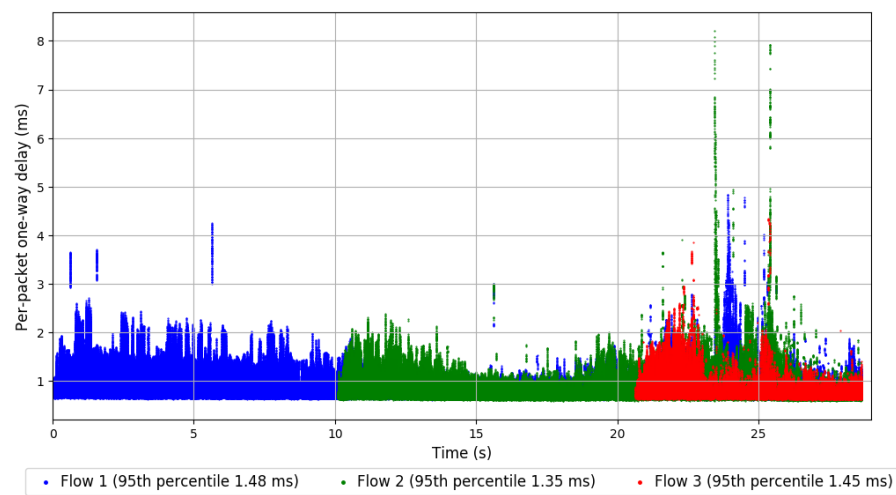
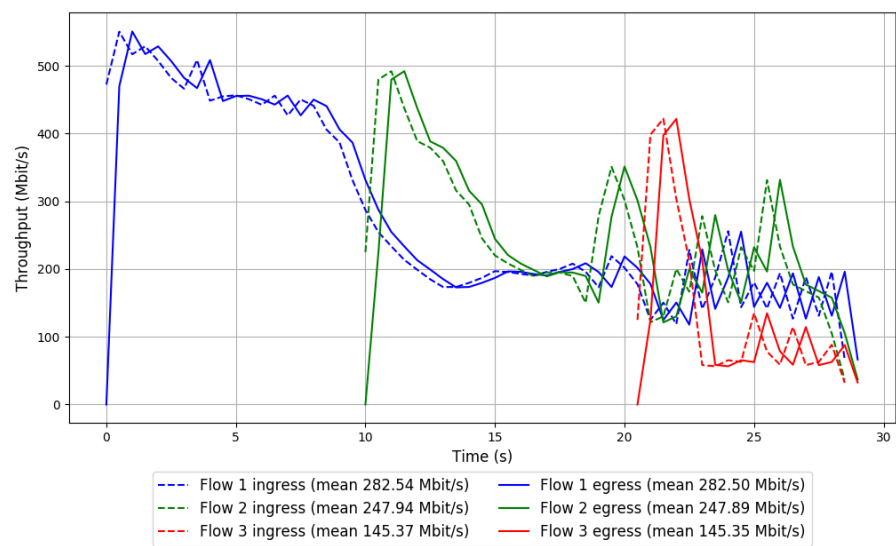
-- Flow 3:

Average throughput: 145.35 Mbit/s

95th percentile per-packet one-way delay: 1.454 ms

Loss rate: 0.02%

Run 1: Report of Indigo-MusesT — Data Link



Run 2: Statistics of Indigo-MusesT

Start at: 2019-08-26 23:56:41

End at: 2019-08-26 23:57:11

Local clock offset: -0.386 ms

Remote clock offset: 4.007 ms

Below is generated by plot.py at 2019-08-27 02:40:41

Datalink statistics

-- Total of 3 flows:

Average throughput: 415.61 Mbit/s

95th percentile per-packet one-way delay: 1.516 ms

Loss rate: 0.09%

-- Flow 1:

Average throughput: 202.52 Mbit/s

95th percentile per-packet one-way delay: 1.326 ms

Loss rate: 0.05%

-- Flow 2:

Average throughput: 238.50 Mbit/s

95th percentile per-packet one-way delay: 1.557 ms

Loss rate: 0.09%

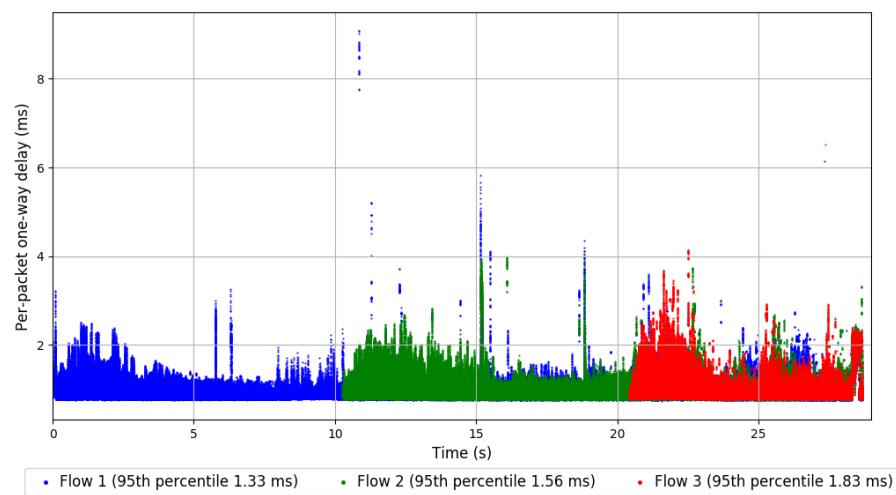
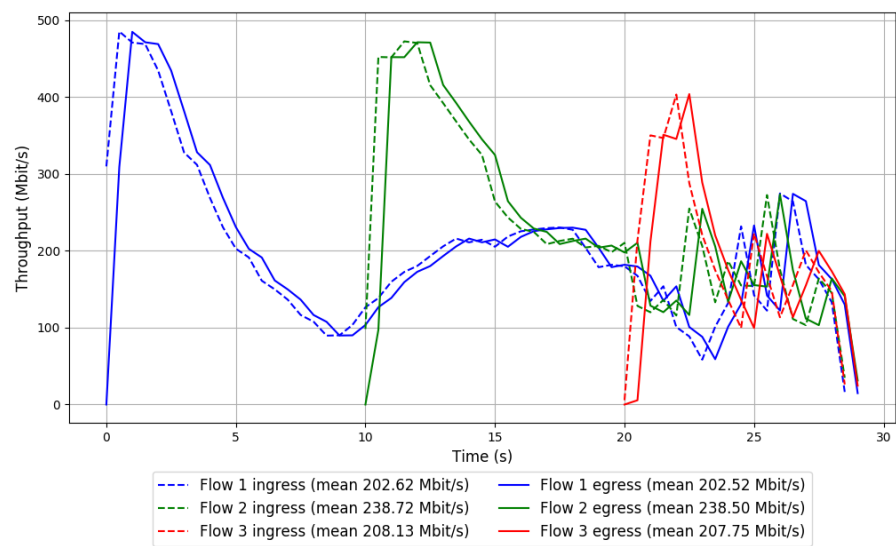
-- Flow 3:

Average throughput: 207.75 Mbit/s

95th percentile per-packet one-way delay: 1.831 ms

Loss rate: 0.19%

Run 2: Report of Indigo-MusesT — Data Link



Run 3: Statistics of Indigo-MusesT

Start at: 2019-08-27 00:30:25

End at: 2019-08-27 00:30:55

Local clock offset: -0.582 ms

Remote clock offset: 1.868 ms

Below is generated by plot.py at 2019-08-27 02:40:42

Datalink statistics

-- Total of 3 flows:

Average throughput: 454.05 Mbit/s

95th percentile per-packet one-way delay: 1.537 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 251.57 Mbit/s

95th percentile per-packet one-way delay: 1.467 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 232.50 Mbit/s

95th percentile per-packet one-way delay: 1.590 ms

Loss rate: 0.00%

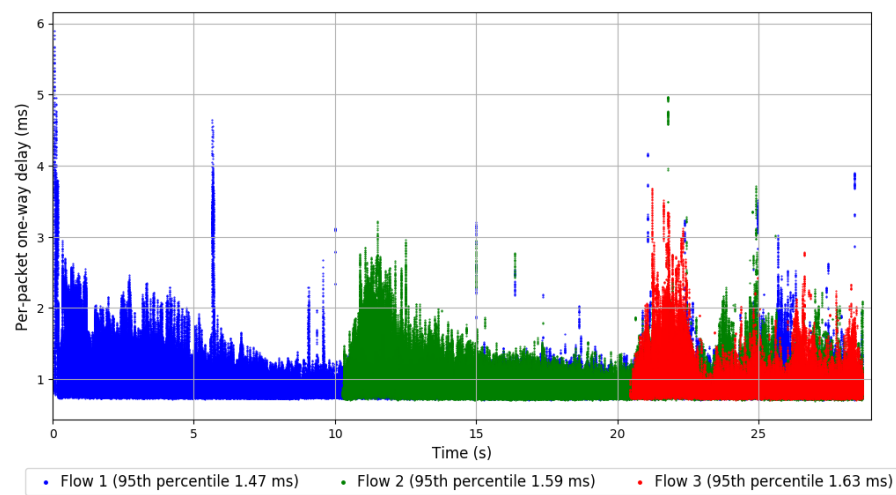
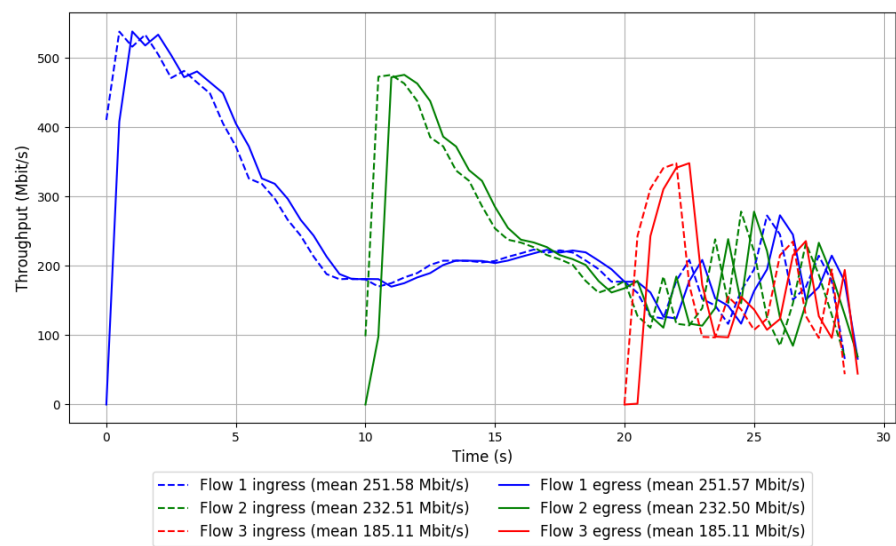
-- Flow 3:

Average throughput: 185.11 Mbit/s

95th percentile per-packet one-way delay: 1.630 ms

Loss rate: 0.00%

Run 3: Report of Indigo-MusesT — Data Link



Run 4: Statistics of Indigo-MusesT

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

End at: 2019-08-27 01:04:39

Local clock offset: -0.613 ms

Remote clock offset: 3.617 ms

Below is generated by plot.py at 2019-08-27 02:40:42

Datalink statistics

-- Total of 3 flows:

Average throughput: 425.39 Mbit/s

95th percentile per-packet one-way delay: 1.316 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 217.01 Mbit/s

95th percentile per-packet one-way delay: 1.188 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 238.57 Mbit/s

95th percentile per-packet one-way delay: 1.348 ms

Loss rate: 0.00%

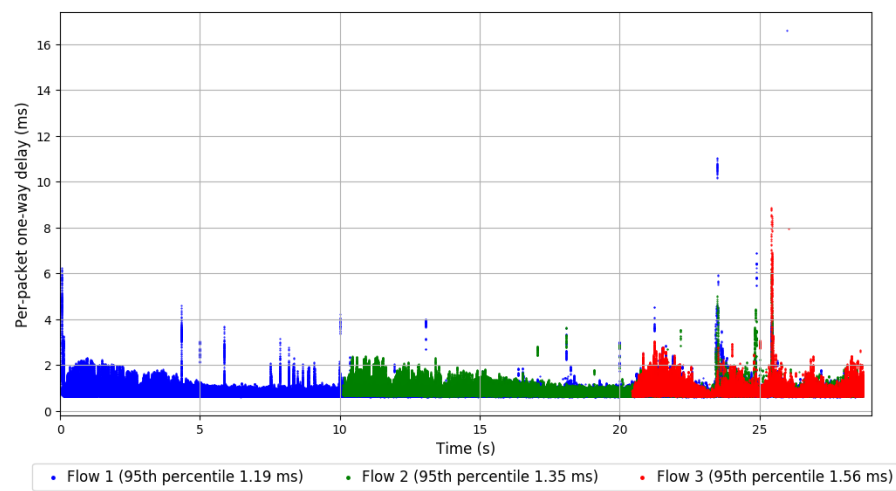
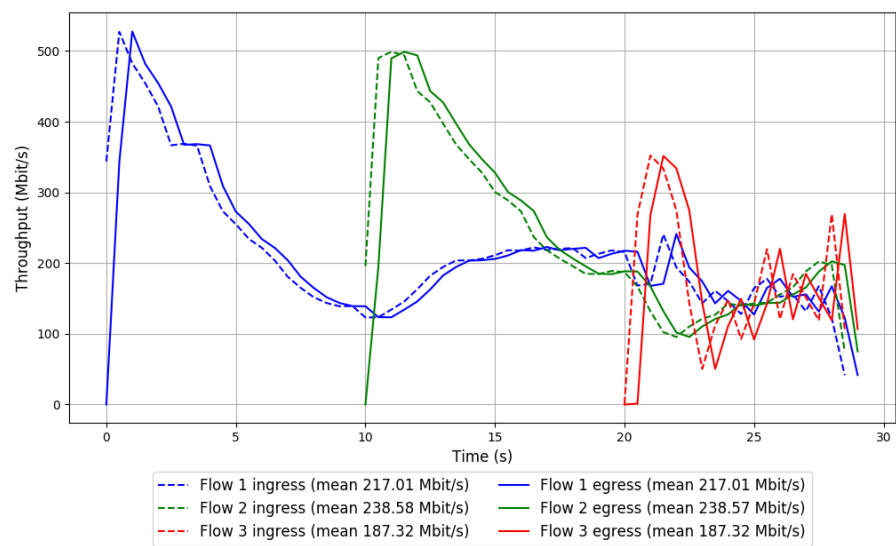
-- Flow 3:

Average throughput: 187.32 Mbit/s

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

Loss rate: 0.00%

Run 4: Report of Indigo-MusesT — Data Link



Run 5: Statistics of Indigo-MusesT

Start at: 2019-08-27 01:37:43

End at: 2019-08-27 01:38:13

Local clock offset: -0.021 ms

Remote clock offset: 4.725 ms

Below is generated by plot.py at 2019-08-27 02:41:41

Datalink statistics

-- Total of 3 flows:

Average throughput: 460.48 Mbit/s

95th percentile per-packet one-way delay: 1.632 ms

Loss rate: 0.02%

-- Flow 1:

Average throughput: 247.31 Mbit/s

95th percentile per-packet one-way delay: 1.438 ms

Loss rate: 0.01%

-- Flow 2:

Average throughput: 240.99 Mbit/s

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

Loss rate: 0.05%

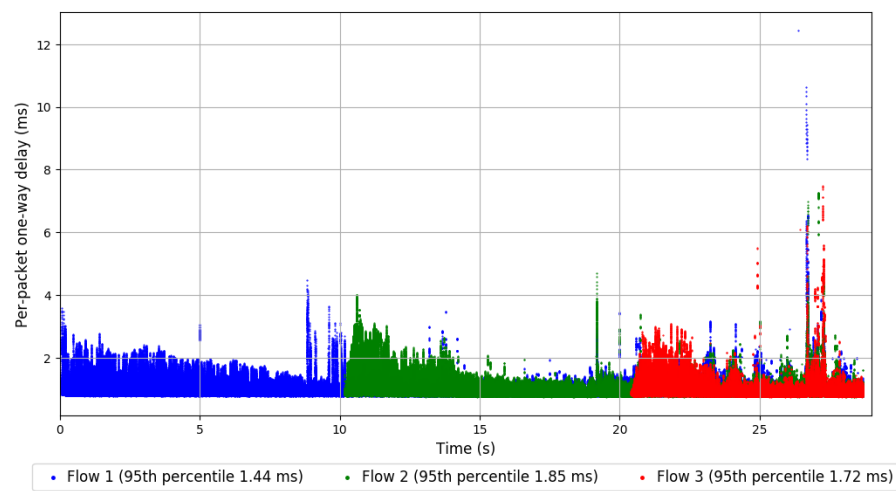
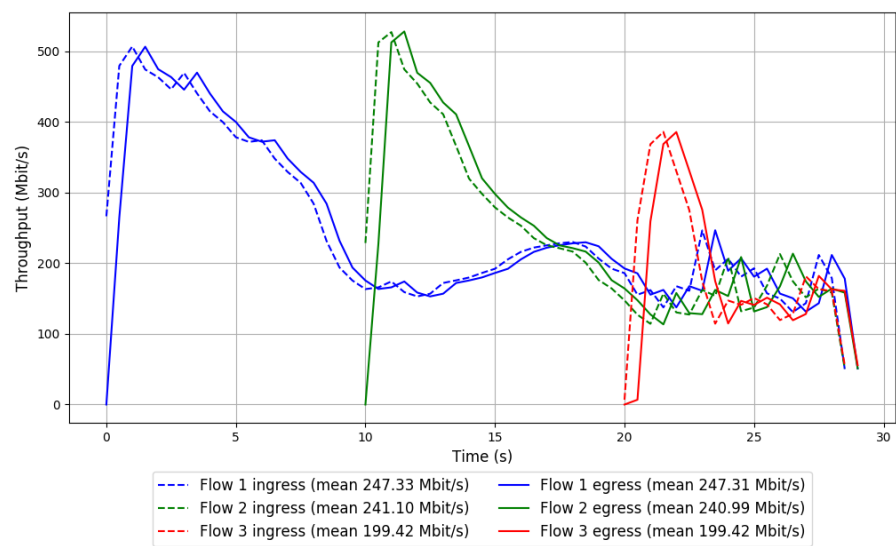
-- Flow 3:

Average throughput: 199.42 Mbit/s

95th percentile per-packet one-way delay: 1.724 ms

Loss rate: 0.00%

Run 5: Report of Indigo-MusesT — Data Link

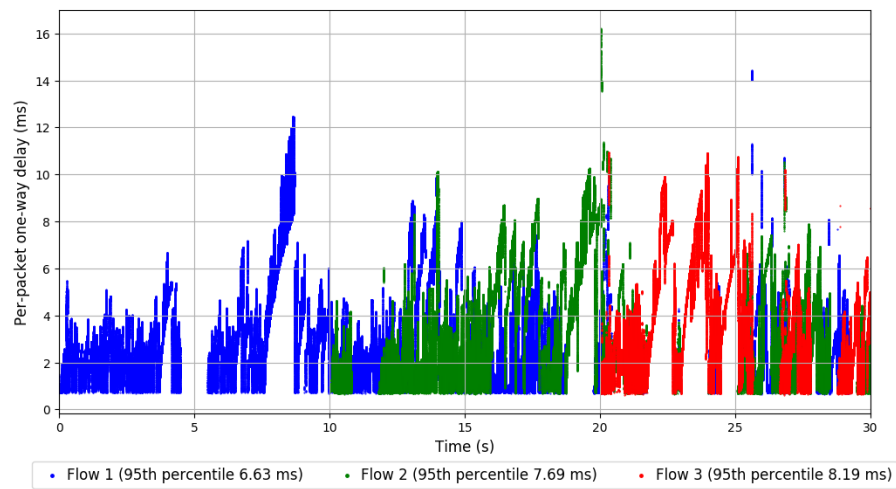
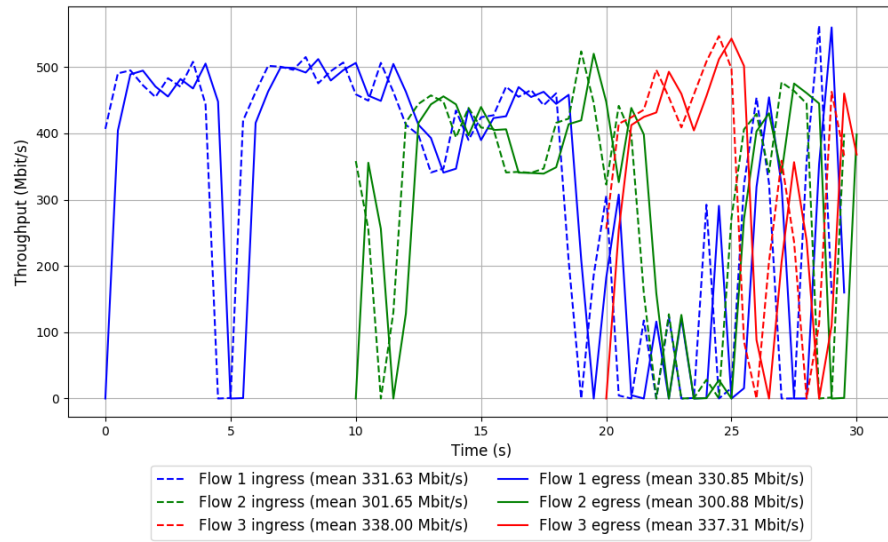


```
Run 1: Statistics of LEDBAT

Start at: 2019-08-26 23:38:28
End at: 2019-08-26 23:38:58
Local clock offset: -0.239 ms
Remote clock offset: 3.251 ms

# Below is generated by plot.py at 2019-08-27 02:44:21
# Datalink statistics
-- Total of 3 flows:
Average throughput: 634.77 Mbit/s
95th percentile per-packet one-way delay: 7.472 ms
Loss rate: 0.23%
-- Flow 1:
Average throughput: 330.85 Mbit/s
95th percentile per-packet one-way delay: 6.633 ms
Loss rate: 0.23%
-- Flow 2:
Average throughput: 300.88 Mbit/s
95th percentile per-packet one-way delay: 7.686 ms
Loss rate: 0.25%
-- Flow 3:
Average throughput: 337.31 Mbit/s
95th percentile per-packet one-way delay: 8.194 ms
Loss rate: 0.17%
```

Run 1: Report of LEDBAT — Data Link

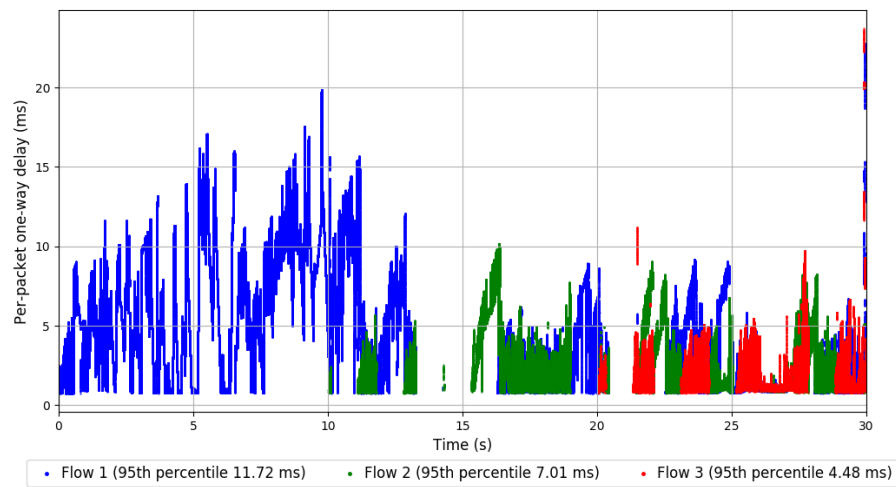
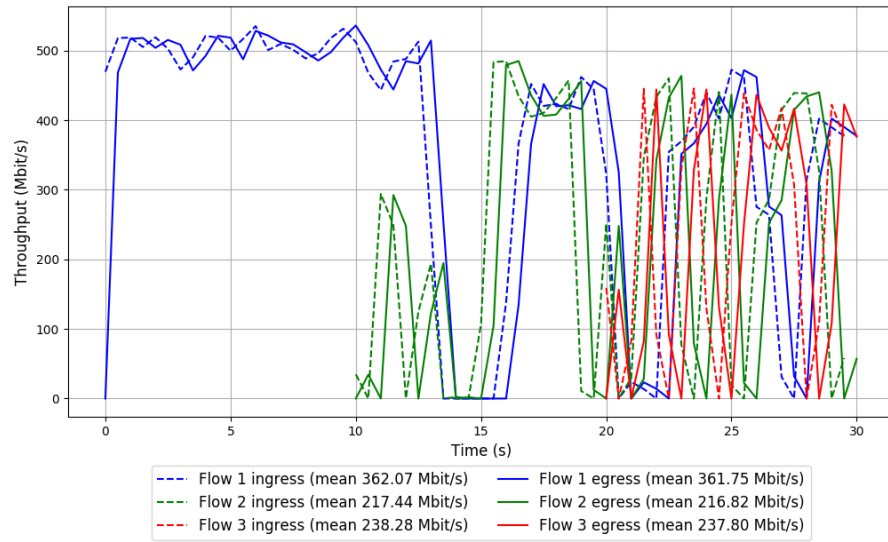


Run 2: Statistics of LEDBAT

Start at: 2019-08-27 00:12:09
End at: 2019-08-27 00:12:39
Local clock offset: -0.448 ms
Remote clock offset: 1.767 ms

Below is generated by plot.py at 2019-08-27 02:44:21
Datalink statistics
-- Total of 3 flows:
Average throughput: 585.20 Mbit/s
95th percentile per-packet one-way delay: 10.733 ms
Loss rate: 0.15%
-- Flow 1:
Average throughput: 361.75 Mbit/s
95th percentile per-packet one-way delay: 11.716 ms
Loss rate: 0.08%
-- Flow 2:
Average throughput: 216.82 Mbit/s
95th percentile per-packet one-way delay: 7.006 ms
Loss rate: 0.28%
-- Flow 3:
Average throughput: 237.80 Mbit/s
95th percentile per-packet one-way delay: 4.478 ms
Loss rate: 0.19%

Run 2: Report of LEDBAT — Data Link



Run 3: Statistics of LEDBAT

Start at: 2019-08-27 00:45:48

End at: 2019-08-27 00:46:18

Local clock offset: -0.639 ms

Remote clock offset: 2.927 ms

Below is generated by plot.py at 2019-08-27 02:46:22

Datalink statistics

-- Total of 3 flows:

Average throughput: 753.59 Mbit/s

95th percentile per-packet one-way delay: 12.515 ms

Loss rate: 0.14%

-- Flow 1:

Average throughput: 464.96 Mbit/s

95th percentile per-packet one-way delay: 13.050 ms

Loss rate: 0.11%

-- Flow 2:

Average throughput: 333.69 Mbit/s

95th percentile per-packet one-way delay: 3.685 ms

Loss rate: 0.19%

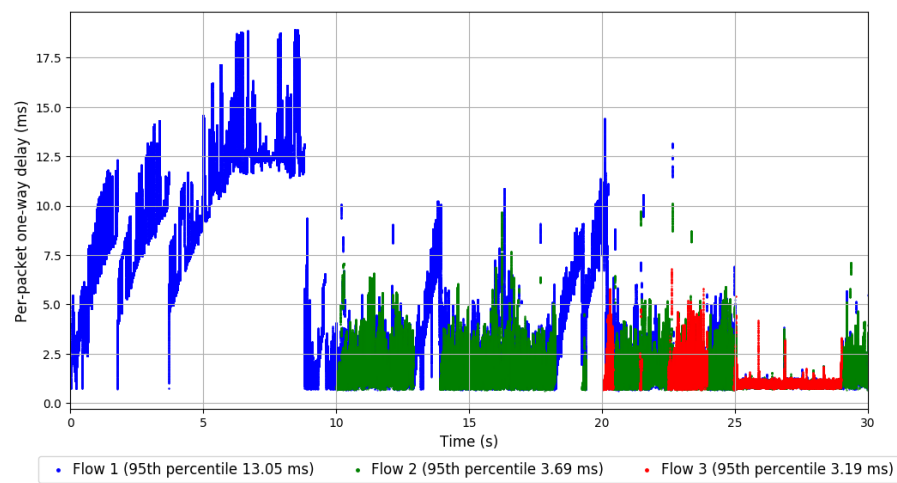
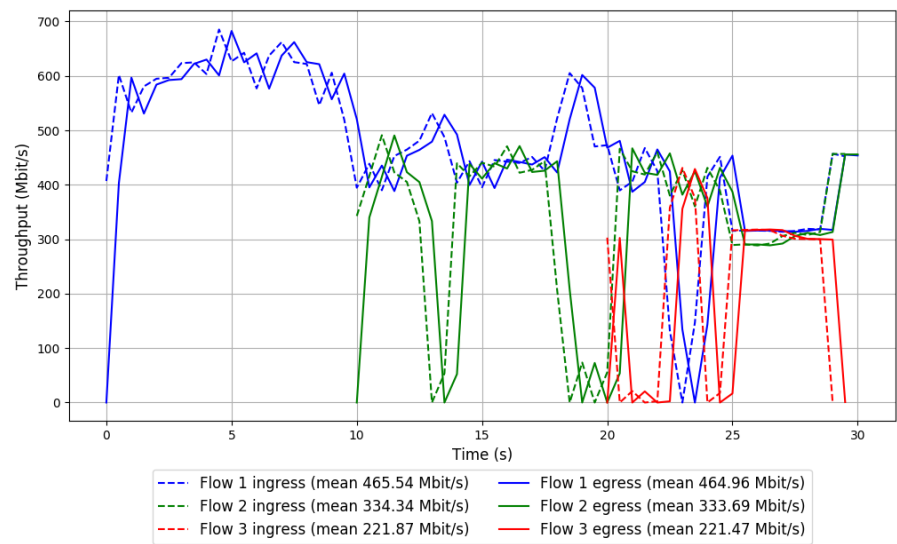
-- Flow 3:

Average throughput: 221.47 Mbit/s

95th percentile per-packet one-way delay: 3.187 ms

Loss rate: 0.17%

Run 3: Report of LEDBAT — Data Link



Run 4: Statistics of LEDBAT

Start at: 2019-08-27 01:19:34

End at: 2019-08-27 01:20:04

Local clock offset: -0.449 ms

Remote clock offset: 3.794 ms

Below is generated by plot.py at 2019-08-27 02:46:56

Datalink statistics

-- Total of 3 flows:

Average throughput: 553.37 Mbit/s

95th percentile per-packet one-way delay: 18.254 ms

Loss rate: 0.23%

-- Flow 1:

Average throughput: 344.95 Mbit/s

95th percentile per-packet one-way delay: 19.715 ms

Loss rate: 0.13%

-- Flow 2:

Average throughput: 237.60 Mbit/s

95th percentile per-packet one-way delay: 7.571 ms

Loss rate: 0.33%

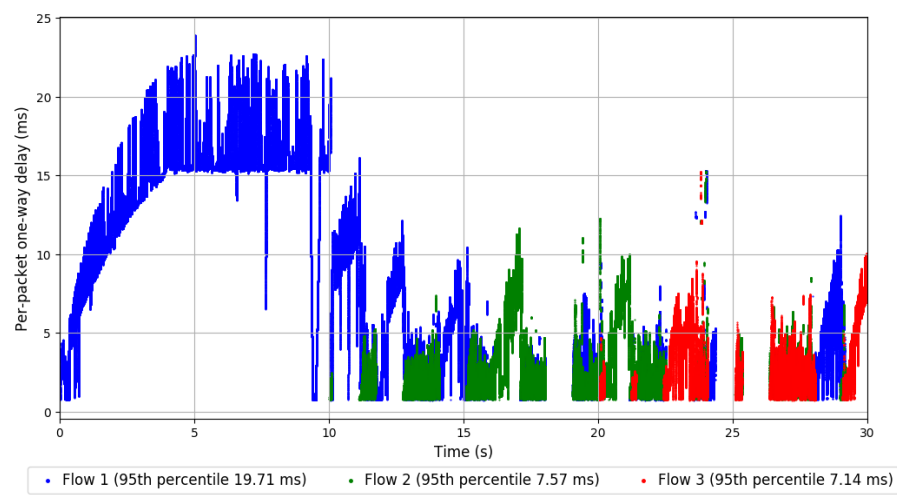
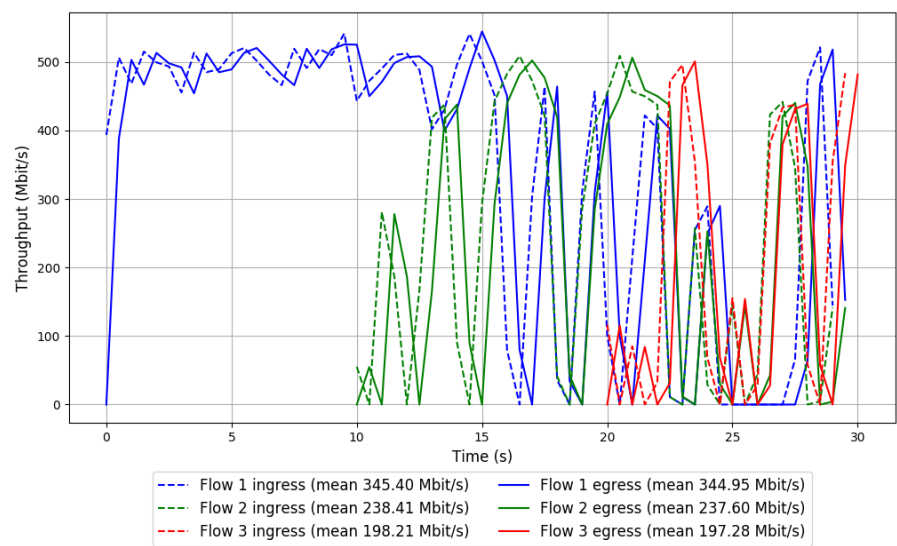
-- Flow 3:

Average throughput: 197.28 Mbit/s

95th percentile per-packet one-way delay: 7.139 ms

Loss rate: 0.47%

Run 4: Report of LEDBAT — Data Link



Run 5: Statistics of LEDBAT

Start at: 2019-08-27 01:53:18

End at: 2019-08-27 01:53:48

Local clock offset: 0.343 ms

Remote clock offset: 4.256 ms

Below is generated by plot.py at 2019-08-27 02:49:08

Datalink statistics

-- Total of 3 flows:

Average throughput: 666.70 Mbit/s

95th percentile per-packet one-way delay: 14.696 ms

Loss rate: 0.13%

-- Flow 1:

Average throughput: 331.53 Mbit/s

95th percentile per-packet one-way delay: 16.716 ms

Loss rate: 0.11%

-- Flow 2:

Average throughput: 389.70 Mbit/s

95th percentile per-packet one-way delay: 8.853 ms

Loss rate: 0.13%

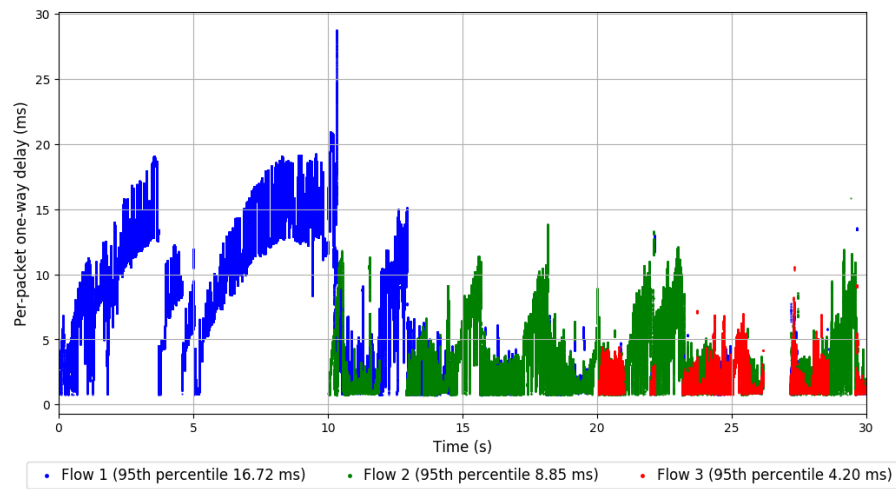
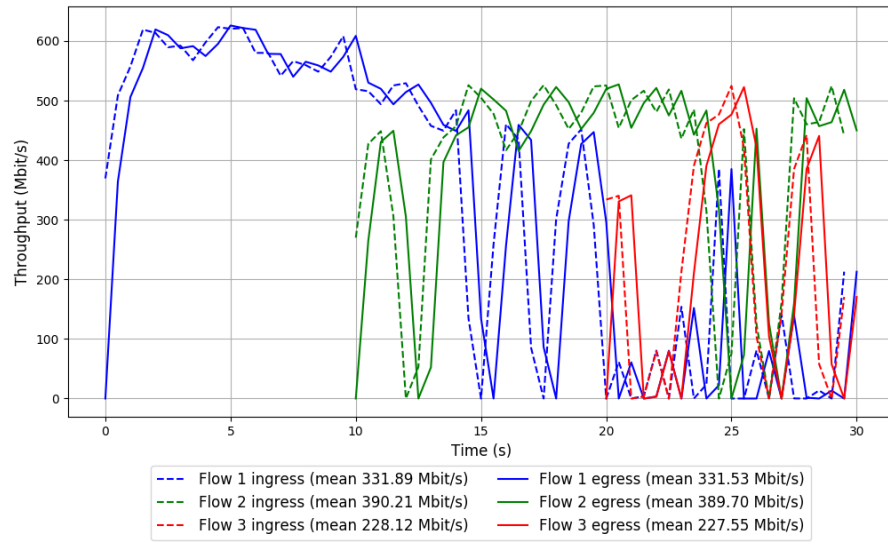
-- Flow 3:

Average throughput: 227.55 Mbit/s

95th percentile per-packet one-way delay: 4.196 ms

Loss rate: 0.25%

Run 5: Report of LEDBAT — Data Link

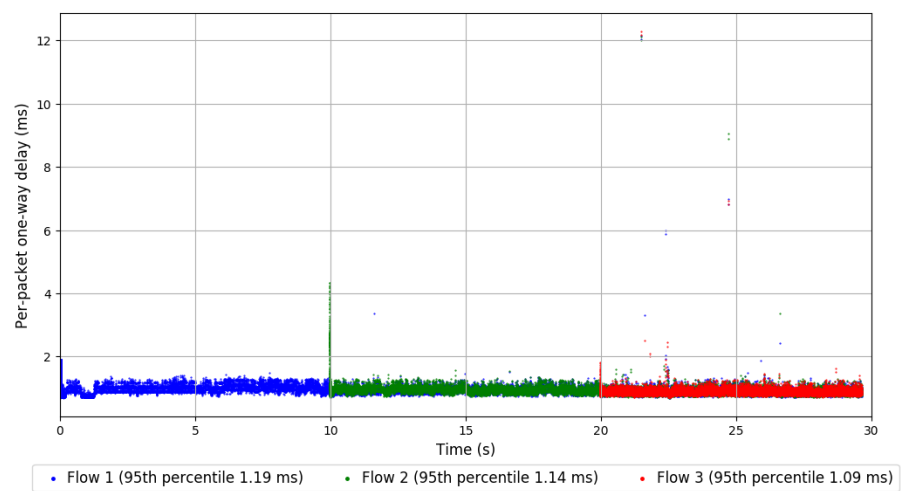
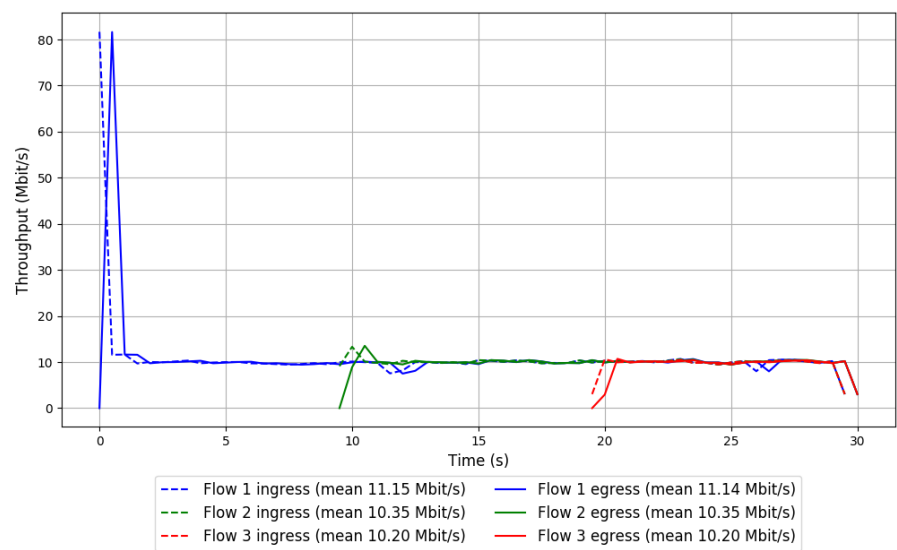


```
Run 1: Statistics of Muses\_DecisionTree

Start at: 2019-08-26 23:24:27
End at: 2019-08-26 23:24:57
Local clock offset: -0.173 ms
Remote clock offset: 2.464 ms

# Below is generated by plot.py at 2019-08-27 02:49:08
# Datalink statistics
-- Total of 3 flows:
Average throughput: 21.35 Mbit/s
95th percentile per-packet one-way delay: 1.166 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 11.14 Mbit/s
95th percentile per-packet one-way delay: 1.189 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 10.35 Mbit/s
95th percentile per-packet one-way delay: 1.138 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 10.20 Mbit/s
95th percentile per-packet one-way delay: 1.089 ms
Loss rate: 0.00%
```

Run 1: Report of Muses_DecisionTree — Data Link



Run 2: Statistics of Muses_DecisionTree

Start at: 2019-08-26 23:58:09

End at: 2019-08-26 23:58:39

Local clock offset: -0.404 ms

Remote clock offset: 4.045 ms

Below is generated by plot.py at 2019-08-27 02:49:08

Datalink statistics

-- Total of 3 flows:

Average throughput: 19.78 Mbit/s

95th percentile per-packet one-way delay: 1.300 ms

Loss rate: 0.01%

-- Flow 1:

Average throughput: 9.78 Mbit/s

95th percentile per-packet one-way delay: 1.304 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 9.94 Mbit/s

95th percentile per-packet one-way delay: 1.286 ms

Loss rate: 0.01%

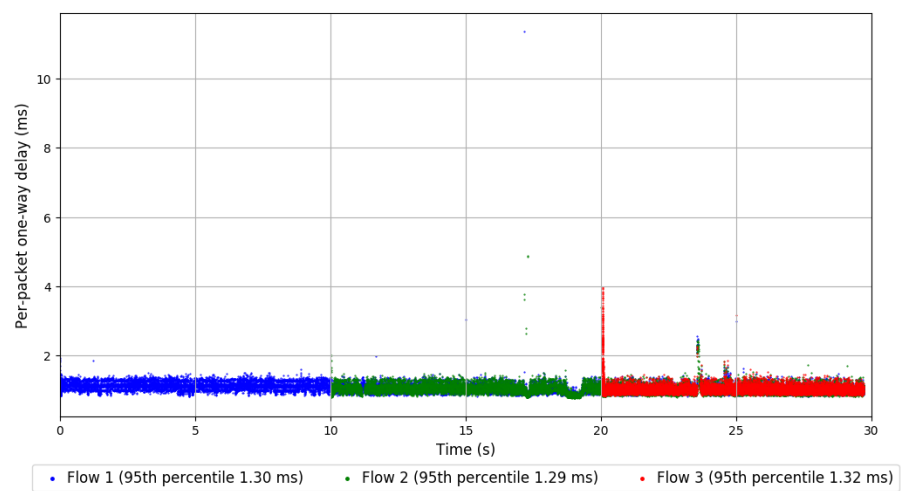
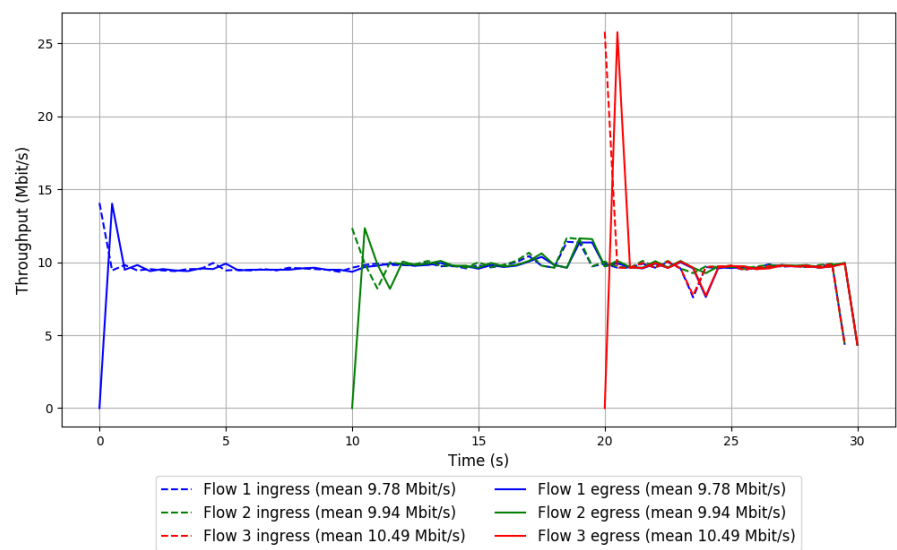
-- Flow 3:

Average throughput: 10.49 Mbit/s

95th percentile per-packet one-way delay: 1.321 ms

Loss rate: 0.01%

Run 2: Report of Muses_DecisionTree — Data Link



Run 3: Statistics of Muses_DecisionTree

Start at: 2019-08-27 00:31:54

End at: 2019-08-27 00:32:24

Local clock offset: -0.6 ms

Remote clock offset: 1.901 ms

Below is generated by plot.py at 2019-08-27 02:49:08

Datalink statistics

-- Total of 3 flows:

Average throughput: 19.78 Mbit/s

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

Loss rate: 0.00%

-- Flow 1:

Average throughput: 9.87 Mbit/s

95th percentile per-packet one-way delay: 1.241 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 10.06 Mbit/s

95th percentile per-packet one-way delay: 1.237 ms

Loss rate: 0.00%

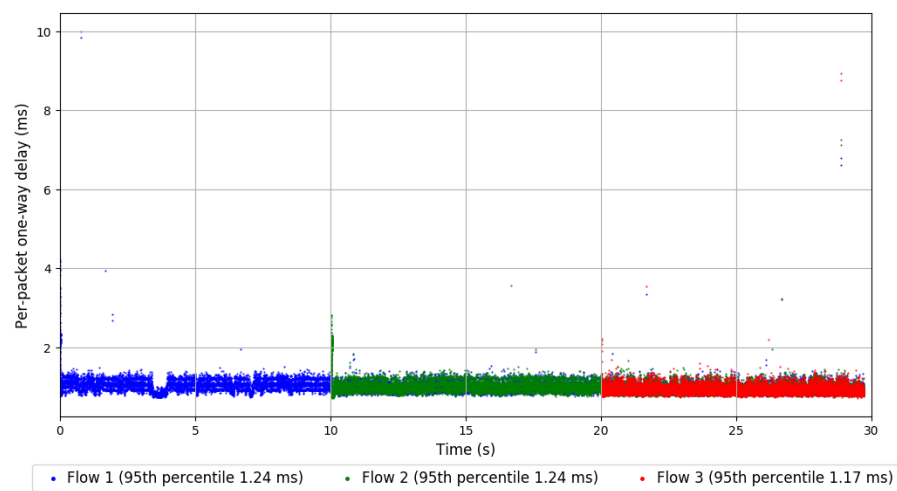
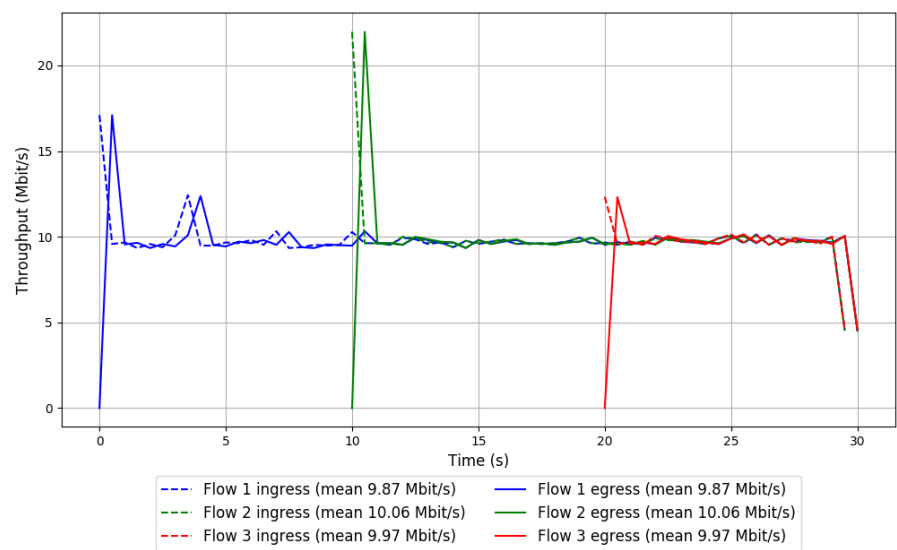
-- Flow 3:

Average throughput: 9.97 Mbit/s

95th percentile per-packet one-way delay: 1.170 ms

Loss rate: 0.00%

Run 3: Report of Muses_DecisionTree — Data Link



Run 4: Statistics of Muses_DecisionTree

Start at: 2019-08-27 01:05:37

End at: 2019-08-27 01:06:07

Local clock offset: -0.627 ms

Remote clock offset: 3.821 ms

Below is generated by plot.py at 2019-08-27 02:49:08

Datalink statistics

-- Total of 3 flows:

Average throughput: 20.39 Mbit/s

95th percentile per-packet one-way delay: 1.313 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 10.01 Mbit/s

95th percentile per-packet one-way delay: 1.320 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 10.44 Mbit/s

95th percentile per-packet one-way delay: 1.320 ms

Loss rate: 0.00%

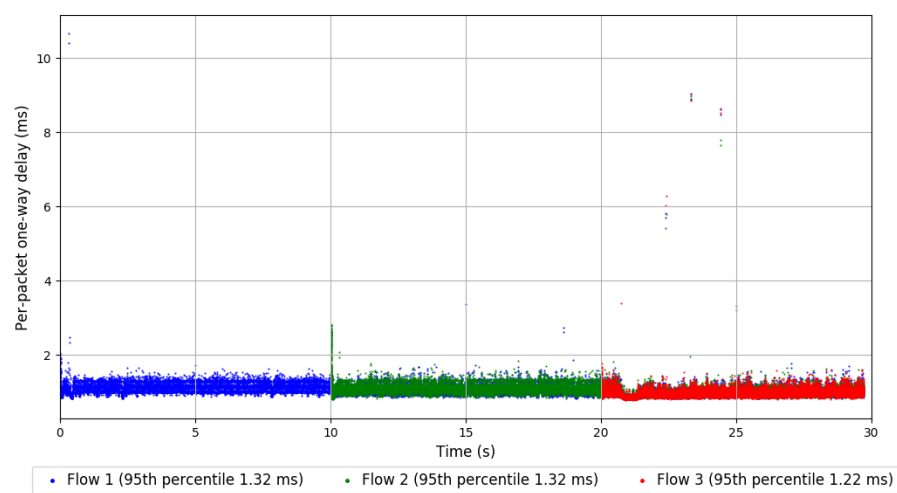
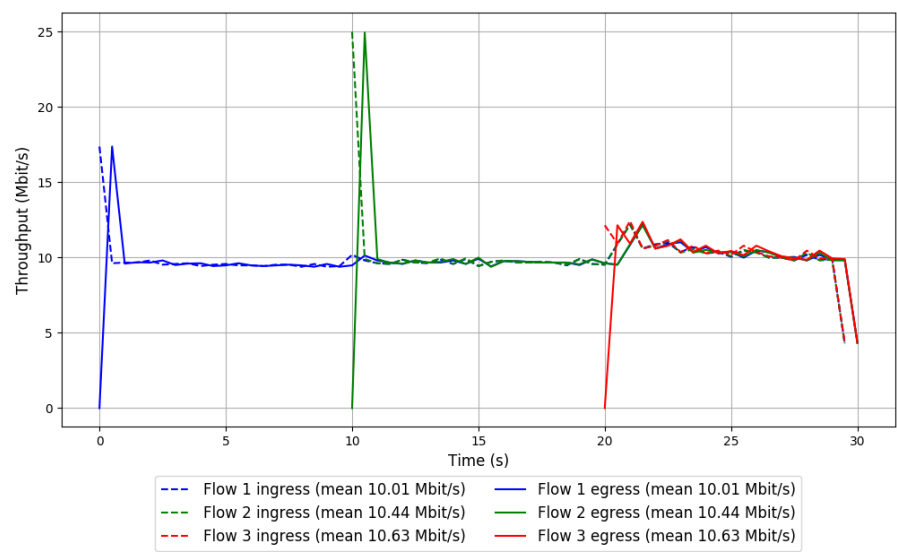
-- Flow 3:

Average throughput: 10.63 Mbit/s

95th percentile per-packet one-way delay: 1.216 ms

Loss rate: 0.00%

Run 4: Report of Muses_DecisionTree — Data Link



Run 5: Statistics of Muses_DecisionTree

Start at: 2019-08-27 01:39:12

End at: 2019-08-27 01:39:42

Local clock offset: -0.001 ms

Remote clock offset: 4.76 ms

Below is generated by plot.py at 2019-08-27 02:49:08

Datalink statistics

-- Total of 3 flows:

Average throughput: 19.53 Mbit/s

95th percentile per-packet one-way delay: 1.275 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 9.88 Mbit/s

95th percentile per-packet one-way delay: 1.316 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 9.77 Mbit/s

95th percentile per-packet one-way delay: 1.253 ms

Loss rate: 0.00%

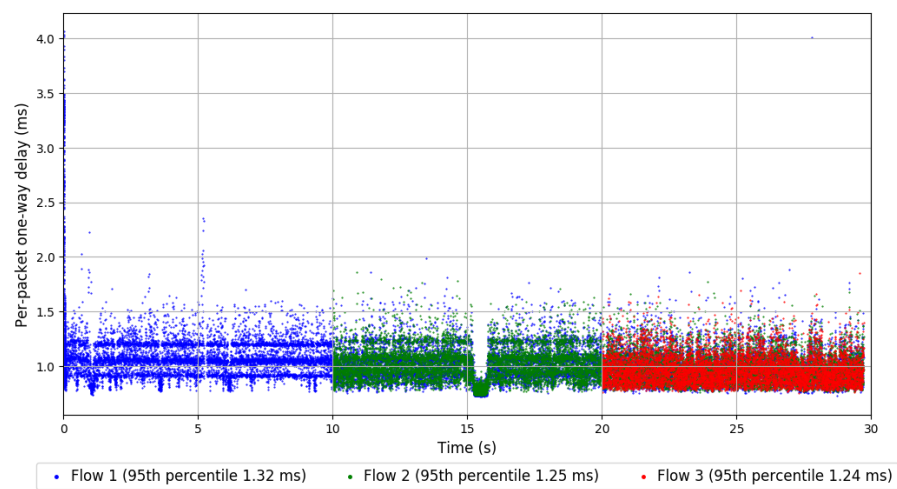
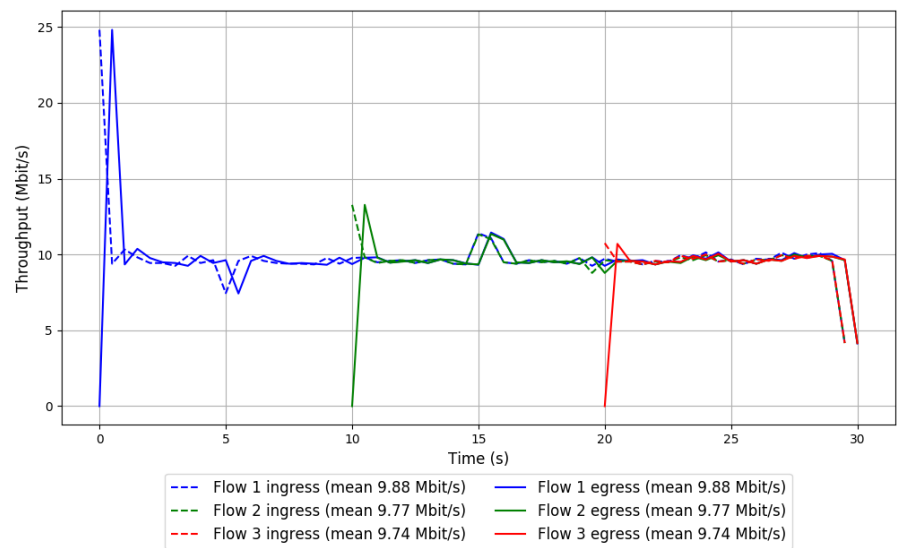
-- Flow 3:

Average throughput: 9.74 Mbit/s

95th percentile per-packet one-way delay: 1.237 ms

Loss rate: 0.00%

Run 5: Report of Muses_DecisionTree — Data Link

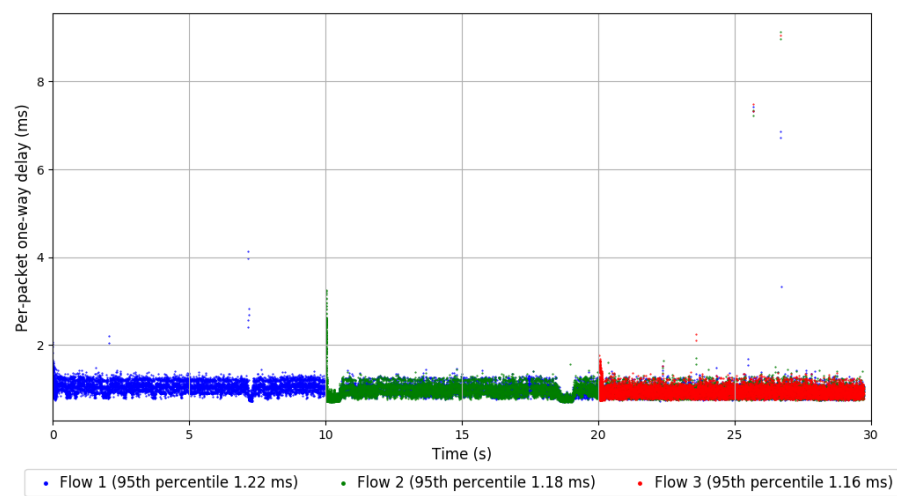
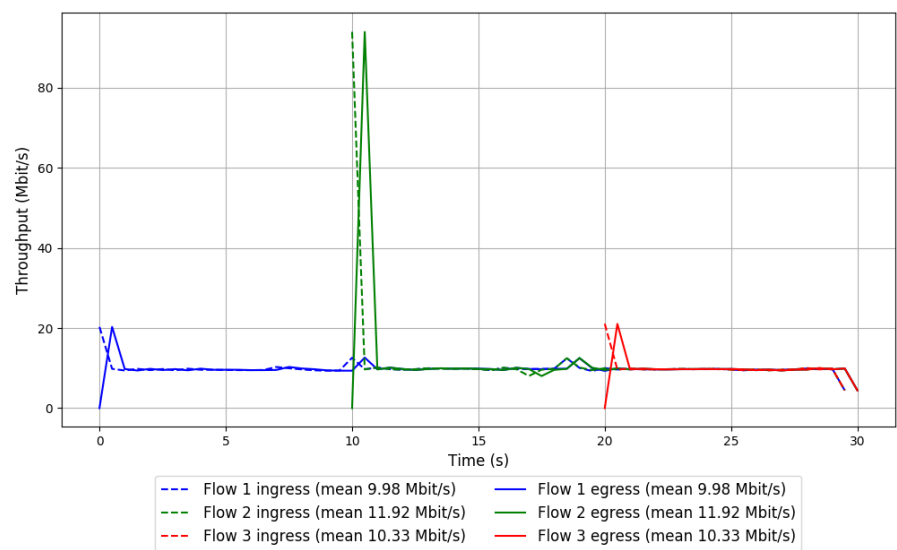



```
Run 1: Statistics of Muses\_DecisionTreeH0

Start at: 2019-08-26 23:34:09
End at: 2019-08-26 23:34:39
Local clock offset: -0.254 ms
Remote clock offset: 3.019 ms

# Below is generated by plot.py at 2019-08-27 02:49:08
# Datalink statistics
-- Total of 3 flows:
Average throughput: 21.25 Mbit/s
95th percentile per-packet one-way delay: 1.207 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 9.98 Mbit/s
95th percentile per-packet one-way delay: 1.221 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 11.92 Mbit/s
95th percentile per-packet one-way delay: 1.183 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 10.33 Mbit/s
95th percentile per-packet one-way delay: 1.160 ms
Loss rate: 0.00%
```

Run 1: Report of Muses_DecisionTreeH0 — Data Link



Run 2: Statistics of Muses_DecisionTreeH0

Start at: 2019-08-27 00:07:51

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

Local clock offset: -0.437 ms

Remote clock offset: 2.245 ms

Below is generated by plot.py at 2019-08-27 02:49:08

Datalink statistics

-- Total of 3 flows:

Average throughput: 22.58 Mbit/s

95th percentile per-packet one-way delay: 1.331 ms

Loss rate: 0.01%

-- Flow 1:

Average throughput: 11.91 Mbit/s

95th percentile per-packet one-way delay: 1.300 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 10.03 Mbit/s

95th percentile per-packet one-way delay: 1.286 ms

Loss rate: 0.01%

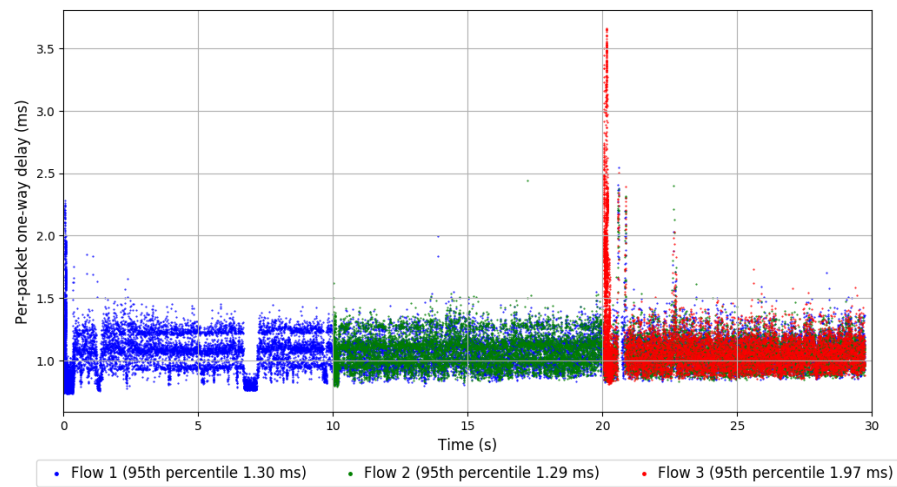
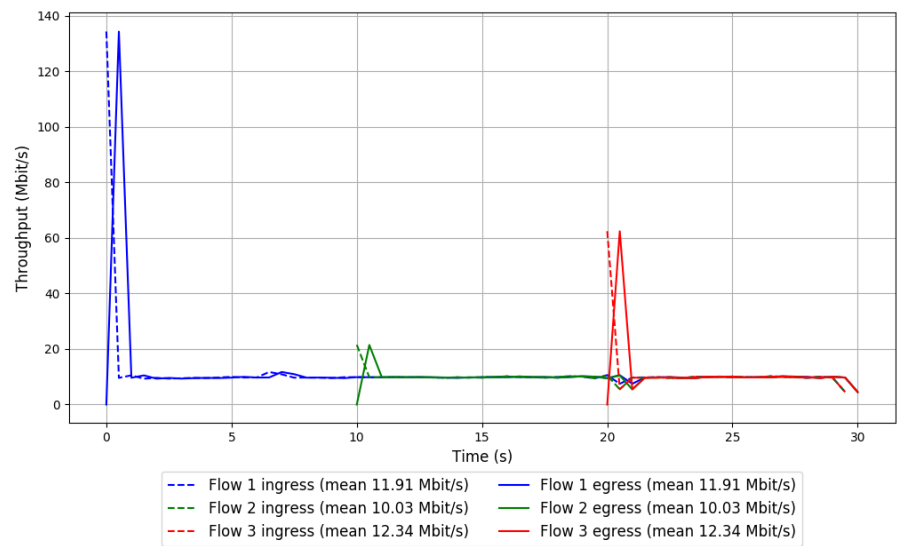
-- Flow 3:

Average throughput: 12.34 Mbit/s

95th percentile per-packet one-way delay: 1.973 ms

Loss rate: 0.03%

Run 2: Report of Muses_DecisionTreeH0 — Data Link



Run 3: Statistics of Muses_DecisionTreeH0

Start at: 2019-08-27 00:41:32

End at: 2019-08-27 00:42:02

Local clock offset: -0.665 ms

Remote clock offset: 2.866 ms

Below is generated by plot.py at 2019-08-27 02:49:08

Datalink statistics

-- Total of 3 flows:

Average throughput: 20.54 Mbit/s

95th percentile per-packet one-way delay: 1.307 ms

Loss rate: 0.01%

-- Flow 1:

Average throughput: 10.20 Mbit/s

95th percentile per-packet one-way delay: 1.317 ms

Loss rate: 0.01%

-- Flow 2:

Average throughput: 10.17 Mbit/s

95th percentile per-packet one-way delay: 1.284 ms

Loss rate: 0.00%

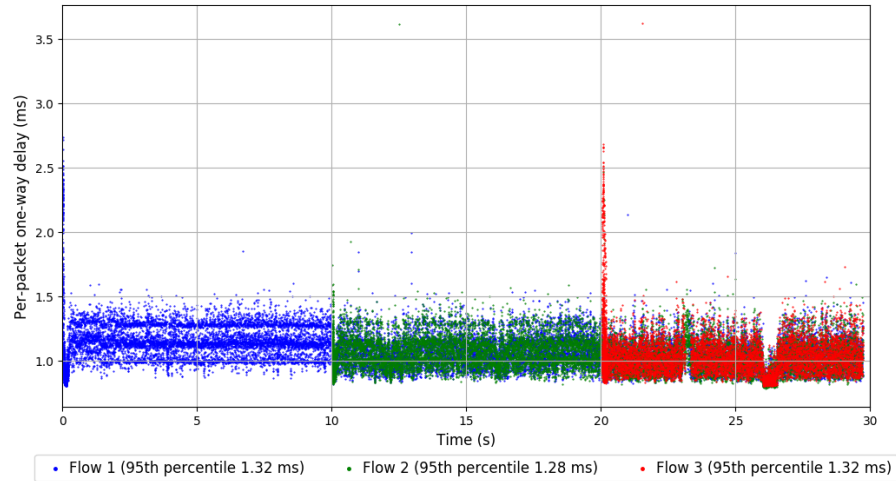
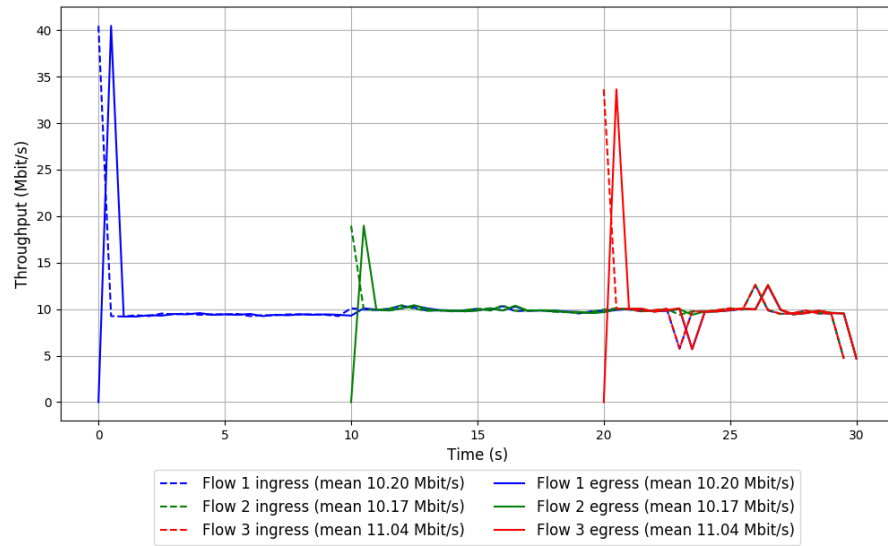
-- Flow 3:

Average throughput: 11.04 Mbit/s

95th percentile per-packet one-way delay: 1.317 ms

Loss rate: 0.02%

Run 3: Report of Muses_DecisionTreeH0 — Data Link



Run 4: Statistics of Muses_DecisionTreeH0

Start at: 2019-08-27 01:15:17

End at: 2019-08-27 01:15:47

Local clock offset: -0.529 ms

Remote clock offset: 3.748 ms

Below is generated by plot.py at 2019-08-27 02:49:08

Datalink statistics

-- Total of 3 flows:

Average throughput: 19.59 Mbit/s

95th percentile per-packet one-way delay: 1.307 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 9.88 Mbit/s

95th percentile per-packet one-way delay: 1.306 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 9.91 Mbit/s

95th percentile per-packet one-way delay: 1.313 ms

Loss rate: 0.00%

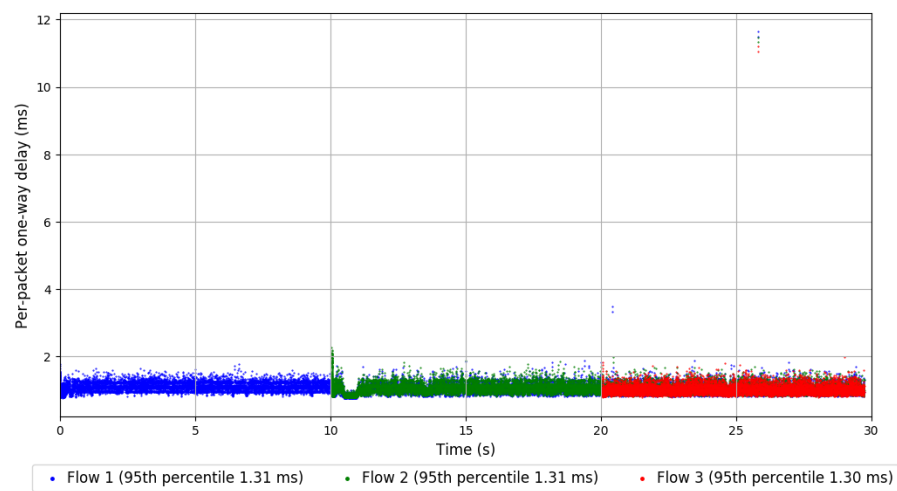
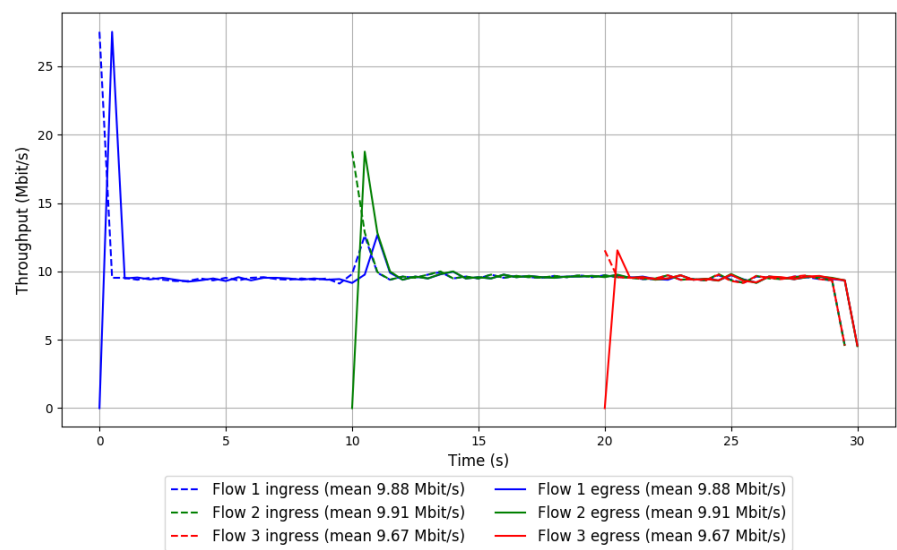
-- Flow 3:

Average throughput: 9.67 Mbit/s

95th percentile per-packet one-way delay: 1.297 ms

Loss rate: 0.00%

Run 4: Report of Muses_DecisionTreeH0 — Data Link



Run 5: Statistics of Muses_DecisionTreeH0

Start at: 2019-08-27 01:49:00

End at: 2019-08-27 01:49:30

Local clock offset: 0.262 ms

Remote clock offset: 4.484 ms

Below is generated by plot.py at 2019-08-27 02:49:08

Datalink statistics

-- Total of 3 flows:

Average throughput: 19.54 Mbit/s

95th percentile per-packet one-way delay: 1.362 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 9.71 Mbit/s

95th percentile per-packet one-way delay: 1.366 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 9.94 Mbit/s

95th percentile per-packet one-way delay: 1.358 ms

Loss rate: 0.00%

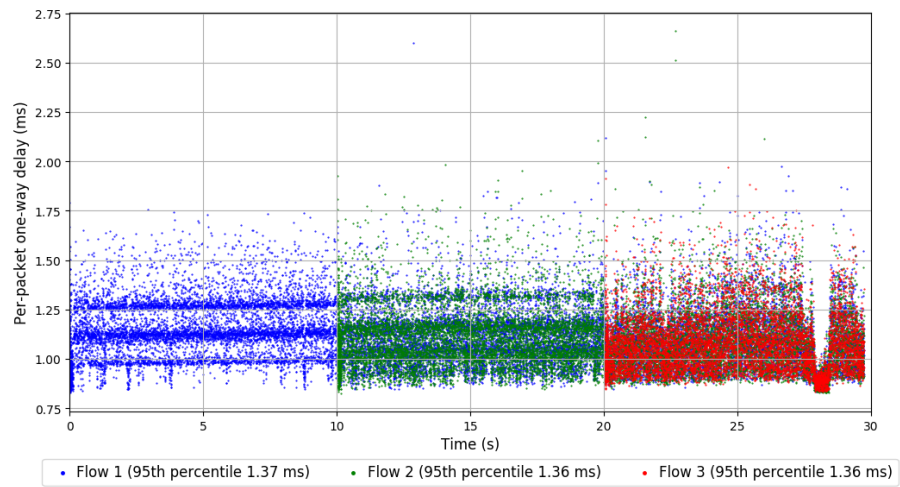
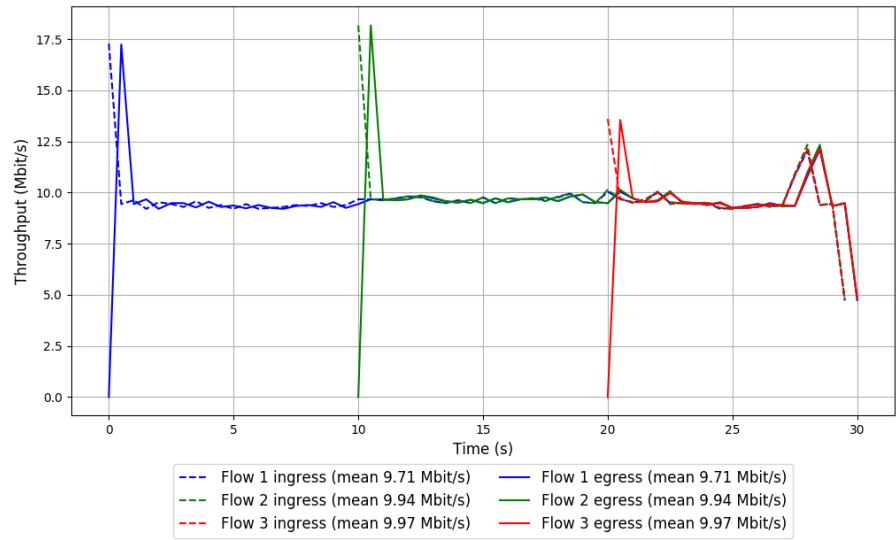
-- Flow 3:

Average throughput: 9.97 Mbit/s

95th percentile per-packet one-way delay: 1.359 ms

Loss rate: 0.00%

Run 5: Report of Muses_DecisionTreeH0 — Data Link

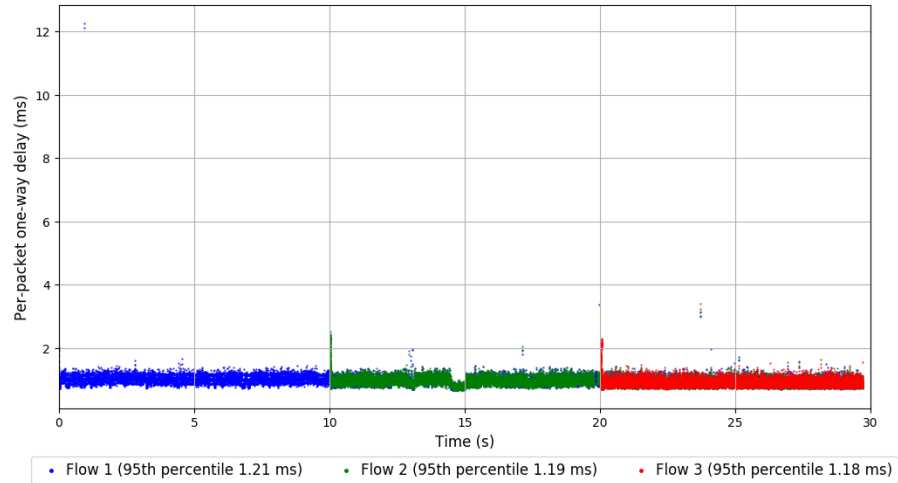
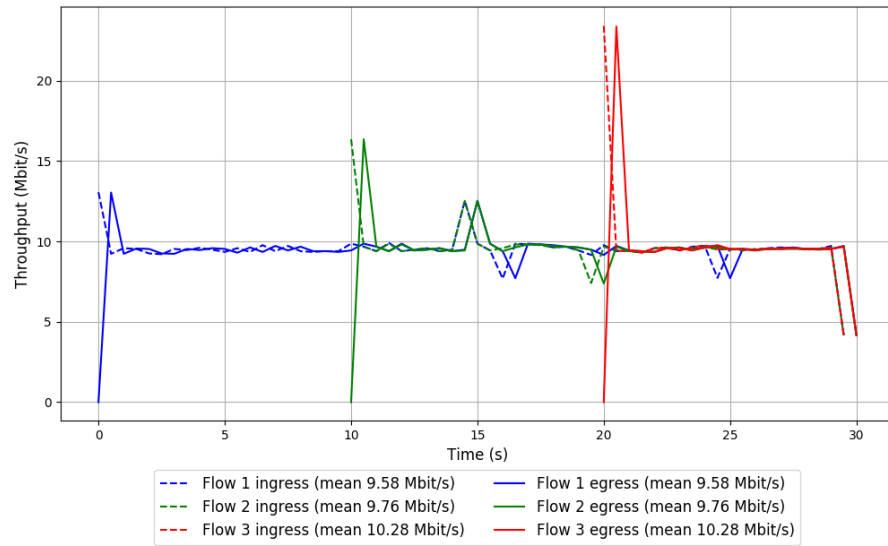


```
Run 1: Statistics of Muses\_DecisionTreeR0

Start at: 2019-08-26 23:37:13
End at: 2019-08-26 23:37:43
Local clock offset: -0.231 ms
Remote clock offset: 3.176 ms

# Below is generated by plot.py at 2019-08-27 02:49:08
# Datalink statistics
-- Total of 3 flows:
Average throughput: 19.40 Mbit/s
95th percentile per-packet one-way delay: 1.201 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 9.58 Mbit/s
95th percentile per-packet one-way delay: 1.208 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 9.76 Mbit/s
95th percentile per-packet one-way delay: 1.191 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 10.28 Mbit/s
95th percentile per-packet one-way delay: 1.179 ms
Loss rate: 0.00%
```

Run 1: Report of Muses_DecisionTreeR0 — Data Link



Run 2: Statistics of Muses_DecisionTreeR0

Start at: 2019-08-27 00:10:54

End at: 2019-08-27 00:11:24

Local clock offset: -0.458 ms

Remote clock offset: 1.872 ms

Below is generated by plot.py at 2019-08-27 02:49:08

Datalink statistics

-- Total of 3 flows:

Average throughput: 19.69 Mbit/s

95th percentile per-packet one-way delay: 1.291 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 9.90 Mbit/s

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

Loss rate: 0.01%

-- Flow 2:

Average throughput: 9.84 Mbit/s

95th percentile per-packet one-way delay: 1.295 ms

Loss rate: 0.00%

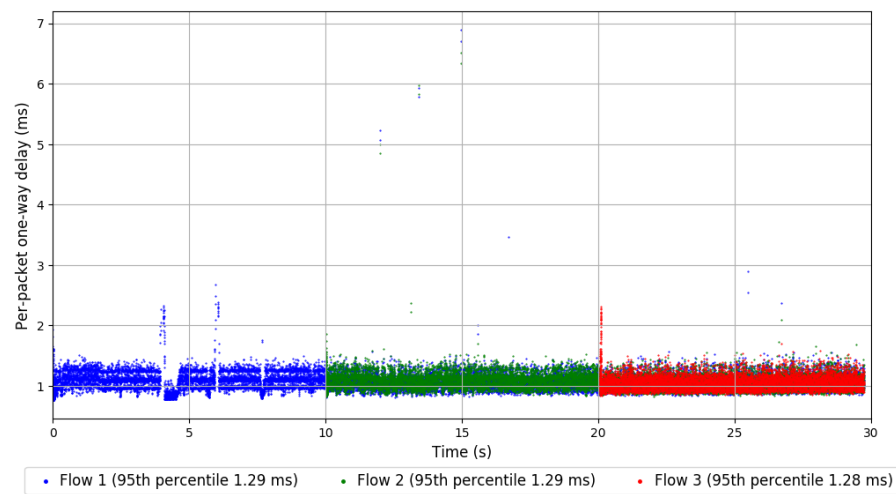
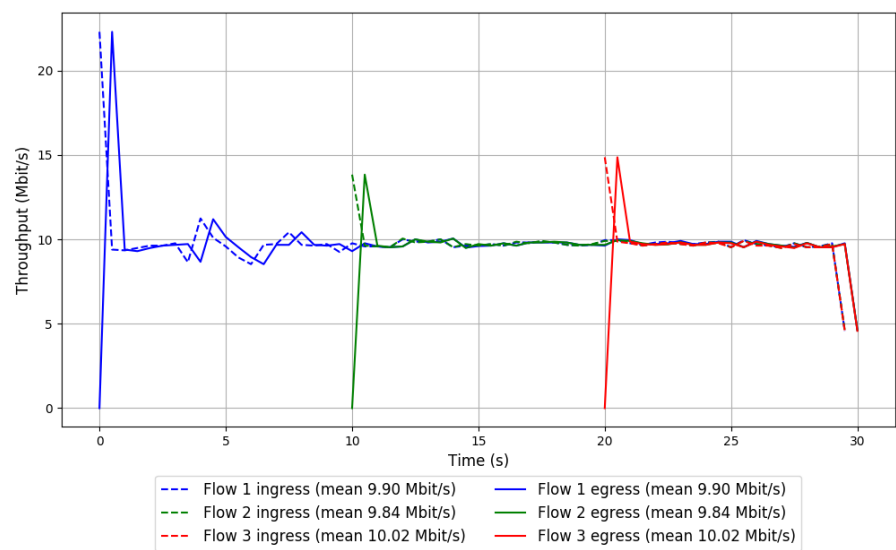
-- Flow 3:

Average throughput: 10.02 Mbit/s

95th percentile per-packet one-way delay: 1.279 ms

Loss rate: 0.00%

Run 2: Report of Muses_DecisionTreeR0 — Data Link



Run 3: Statistics of Muses_DecisionTreeR0

Start at: 2019-08-27 00:44:33

End at: 2019-08-27 00:45:03

Local clock offset: -0.651 ms

Remote clock offset: 2.941 ms

Below is generated by plot.py at 2019-08-27 02:49:08

Datalink statistics

-- Total of 3 flows:

Average throughput: 20.24 Mbit/s

95th percentile per-packet one-way delay: 1.288 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 9.89 Mbit/s

95th percentile per-packet one-way delay: 1.290 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 10.37 Mbit/s

95th percentile per-packet one-way delay: 1.291 ms

Loss rate: 0.00%

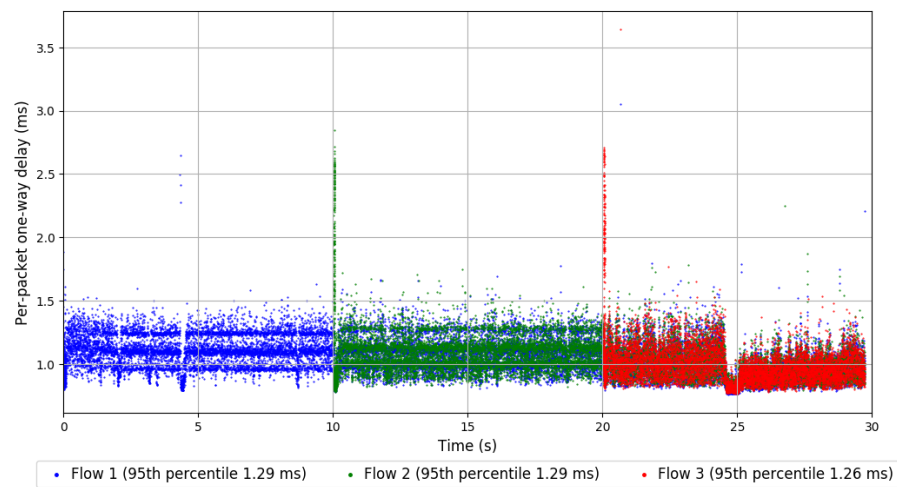
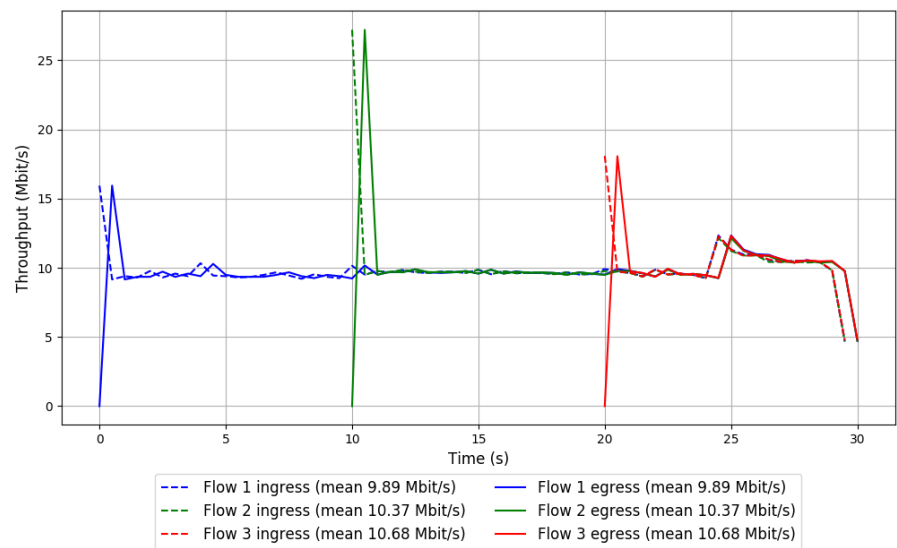
-- Flow 3:

Average throughput: 10.68 Mbit/s

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

Loss rate: 0.00%

Run 3: Report of Muses_DecisionTreeR0 — Data Link



Run 4: Statistics of Muses_DecisionTreeR0

Start at: 2019-08-27 01:18:19

End at: 2019-08-27 01:18:50

Local clock offset: -0.472 ms

Remote clock offset: 3.714 ms

Below is generated by plot.py at 2019-08-27 02:49:08

Datalink statistics

-- Total of 3 flows:

Average throughput: 19.43 Mbit/s

95th percentile per-packet one-way delay: 1.236 ms

Loss rate: 0.01%

-- Flow 1:

Average throughput: 9.70 Mbit/s

95th percentile per-packet one-way delay: 1.232 ms

Loss rate: 0.01%

-- Flow 2:

Average throughput: 9.92 Mbit/s

95th percentile per-packet one-way delay: 1.242 ms

Loss rate: 0.01%

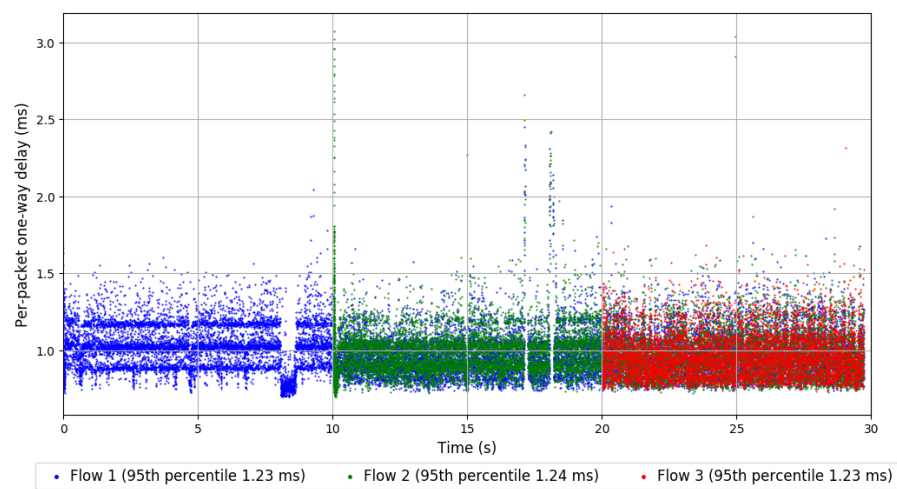
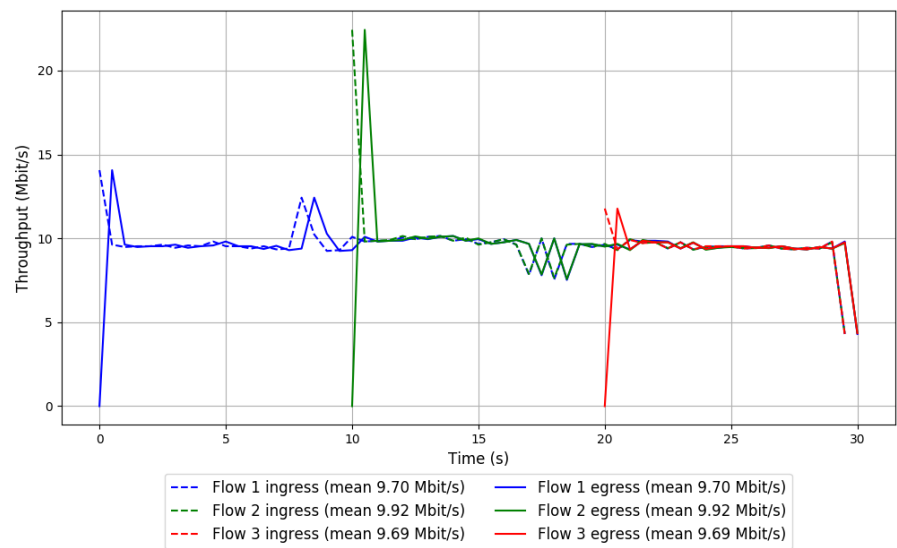
-- Flow 3:

Average throughput: 9.69 Mbit/s

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

Loss rate: 0.00%

Run 4: Report of Muses_DecisionTreeR0 — Data Link



Run 5: Statistics of Muses_DecisionTreeR0

Start at: 2019-08-27 01:52:03

End at: 2019-08-27 01:52:33

Local clock offset: 0.307 ms

Remote clock offset: 4.348 ms

Below is generated by plot.py at 2019-08-27 02:49:08

Datalink statistics

-- Total of 3 flows:

Average throughput: 19.62 Mbit/s

95th percentile per-packet one-way delay: 1.410 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 9.63 Mbit/s

95th percentile per-packet one-way delay: 1.402 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 9.88 Mbit/s

95th percentile per-packet one-way delay: 1.402 ms

Loss rate: 0.00%

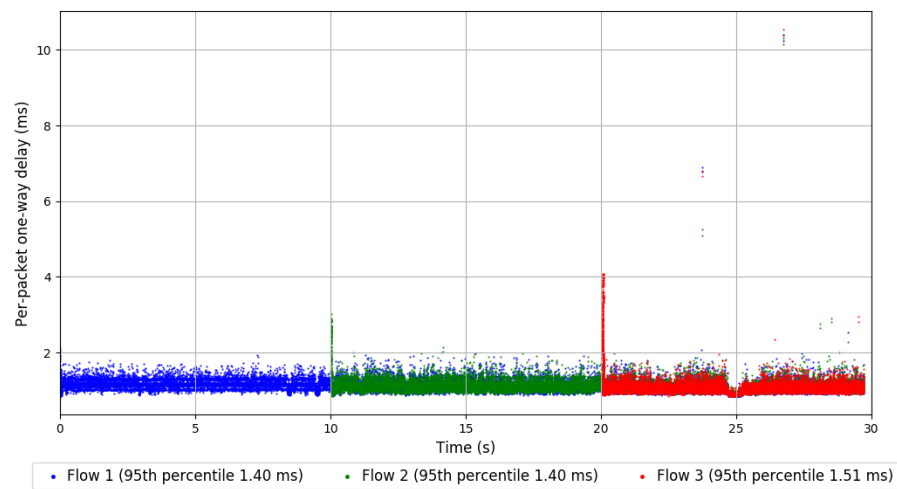
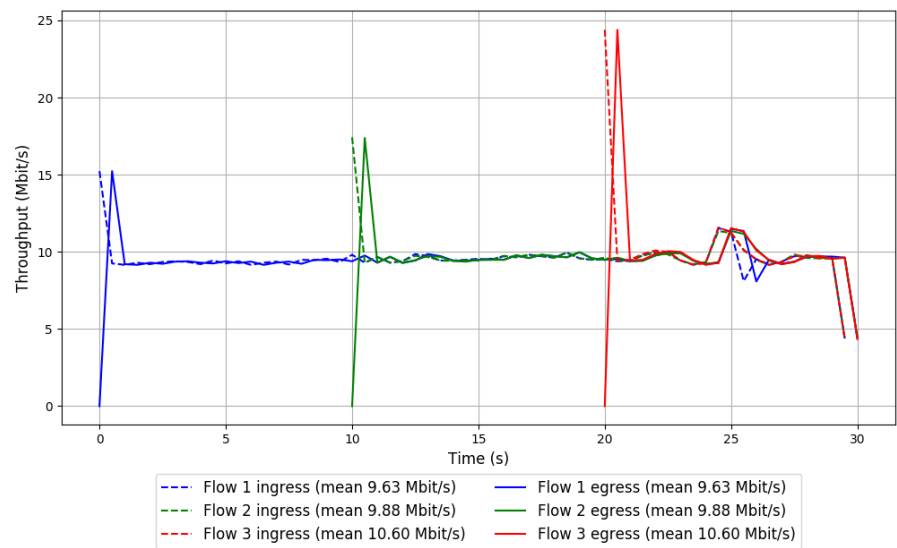
-- Flow 3:

Average throughput: 10.60 Mbit/s

95th percentile per-packet one-way delay: 1.509 ms

Loss rate: 0.00%

Run 5: Report of Muses_DecisionTreeR0 — Data Link

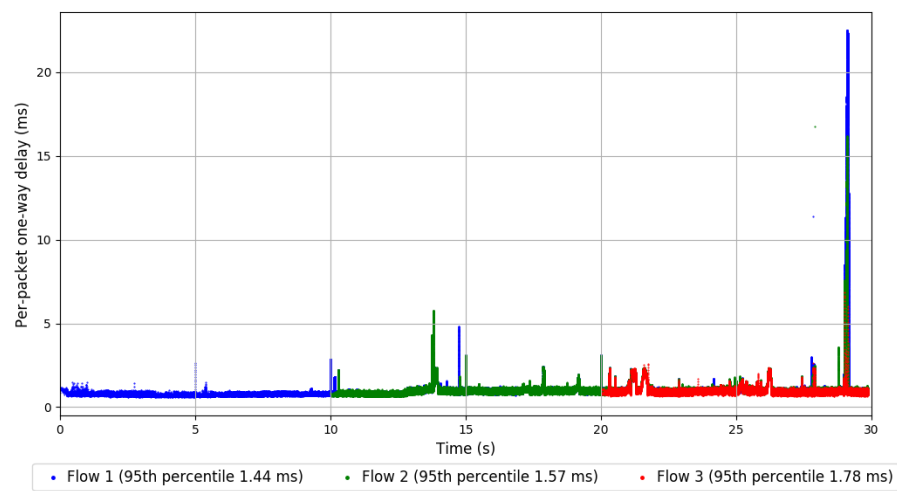
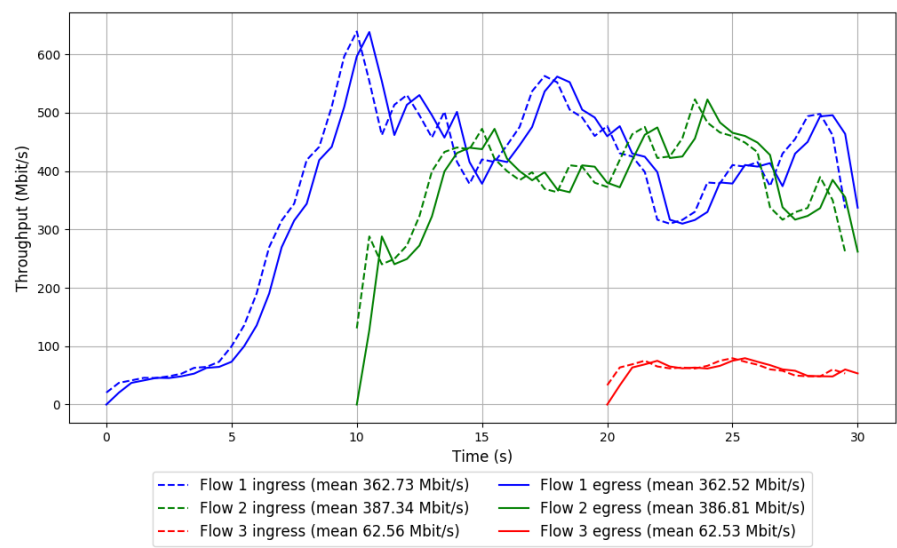


```
Run 1: Statistics of PCC-Allegro

Start at: 2019-08-26 23:11:45
End at: 2019-08-26 23:12:15
Local clock offset: -0.132 ms
Remote clock offset: 1.711 ms

# Below is generated by plot.py at 2019-08-27 02:50:50
# Datalink statistics
-- Total of 3 flows:
Average throughput: 640.34 Mbit/s
95th percentile per-packet one-way delay: 1.504 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 362.52 Mbit/s
95th percentile per-packet one-way delay: 1.437 ms
Loss rate: 0.06%
-- Flow 2:
Average throughput: 386.81 Mbit/s
95th percentile per-packet one-way delay: 1.569 ms
Loss rate: 0.14%
-- Flow 3:
Average throughput: 62.53 Mbit/s
95th percentile per-packet one-way delay: 1.779 ms
Loss rate: 0.15%
```

Run 1: Report of PCC-Allegro — Data Link



Run 2: Statistics of PCC-Allegro

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

End at: 2019-08-26 23:45:53

Local clock offset: -0.289 ms

Remote clock offset: 3.52 ms

Below is generated by plot.py at 2019-08-27 02:50:50

Datalink statistics

-- Total of 3 flows:

Average throughput: 616.31 Mbit/s

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

Loss rate: 0.02%

-- Flow 1:

Average throughput: 443.19 Mbit/s

95th percentile per-packet one-way delay: 1.165 ms

Loss rate: 0.01%

-- Flow 2:

Average throughput: 250.63 Mbit/s

95th percentile per-packet one-way delay: 1.091 ms

Loss rate: 0.03%

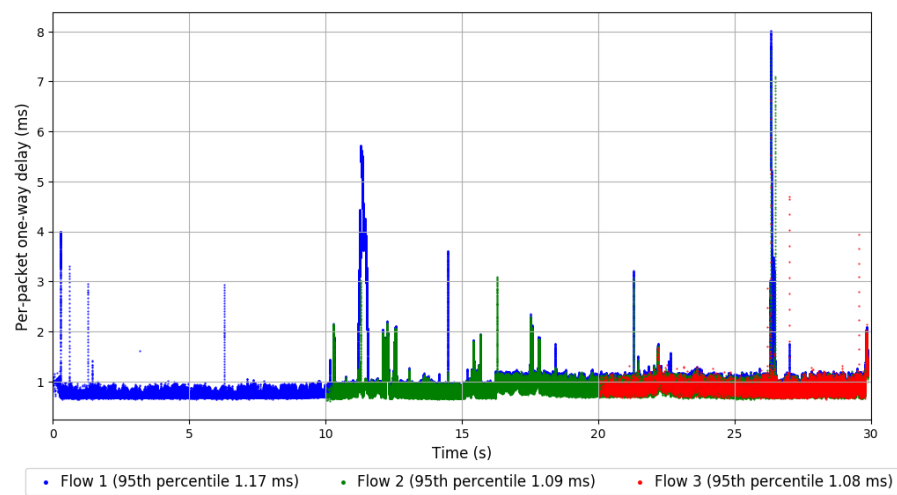
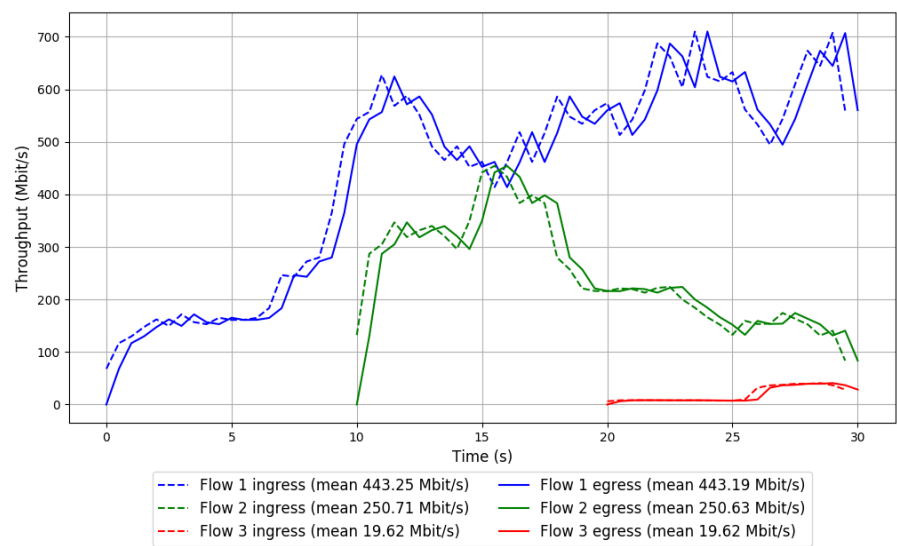
-- Flow 3:

Average throughput: 19.62 Mbit/s

95th percentile per-packet one-way delay: 1.081 ms

Loss rate: 0.00%

Run 2: Report of PCC-Allegro — Data Link



Run 3: Statistics of PCC-Allegro

Start at: 2019-08-27 00:19:06

End at: 2019-08-27 00:19:36

Local clock offset: -0.476 ms

Remote clock offset: 1.572 ms

Below is generated by plot.py at 2019-08-27 02:52:05

Datalink statistics

-- Total of 3 flows:

Average throughput: 702.81 Mbit/s

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

Loss rate: 0.25%

-- Flow 1:

Average throughput: 446.95 Mbit/s

95th percentile per-packet one-way delay: 1.772 ms

Loss rate: 0.32%

-- Flow 2:

Average throughput: 377.87 Mbit/s

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

Loss rate: 0.11%

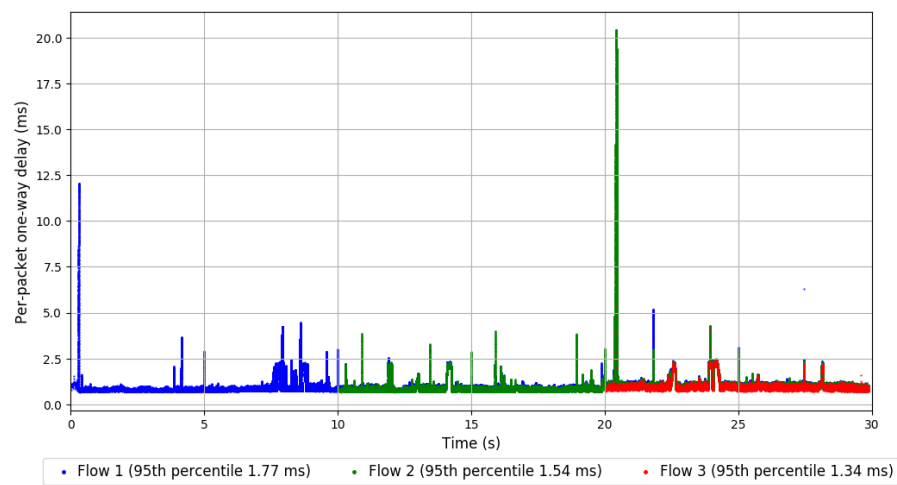
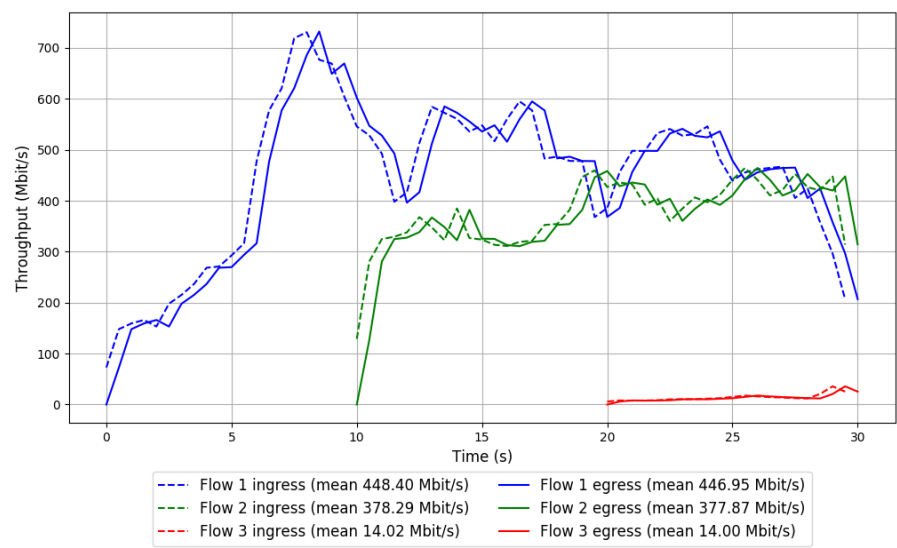
-- Flow 3:

Average throughput: 14.00 Mbit/s

95th percentile per-packet one-way delay: 1.342 ms

Loss rate: 0.15%

Run 3: Report of PCC-Allegro — Data Link



Run 4: Statistics of PCC-Allegro

Start at: 2019-08-27 00:52:48

End at: 2019-08-27 00:53:18

Local clock offset: -0.649 ms

Remote clock offset: 3.196 ms

Below is generated by plot.py at 2019-08-27 02:54:17

Datalink statistics

-- Total of 3 flows:

Average throughput: 740.21 Mbit/s

95th percentile per-packet one-way delay: 3.793 ms

Loss rate: 0.04%

-- Flow 1:

Average throughput: 718.66 Mbit/s

95th percentile per-packet one-way delay: 3.949 ms

Loss rate: 0.04%

-- Flow 2:

Average throughput: 5.74 Mbit/s

95th percentile per-packet one-way delay: 1.065 ms

Loss rate: 0.02%

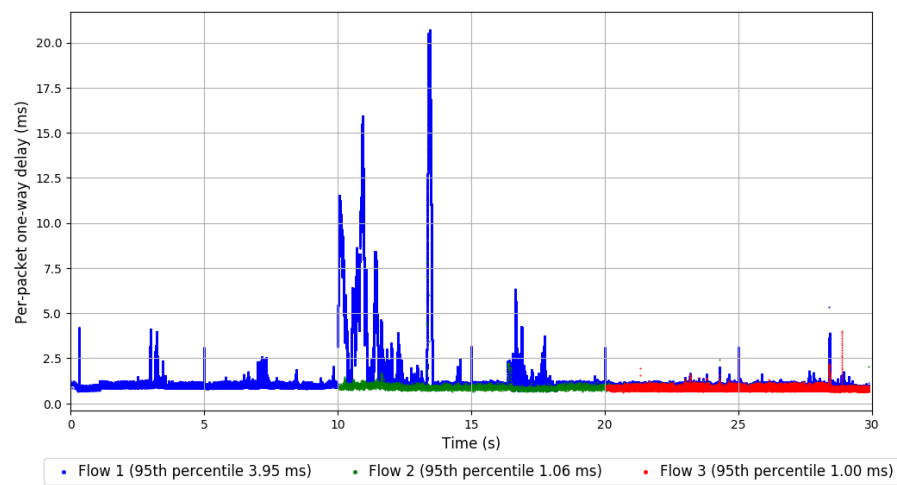
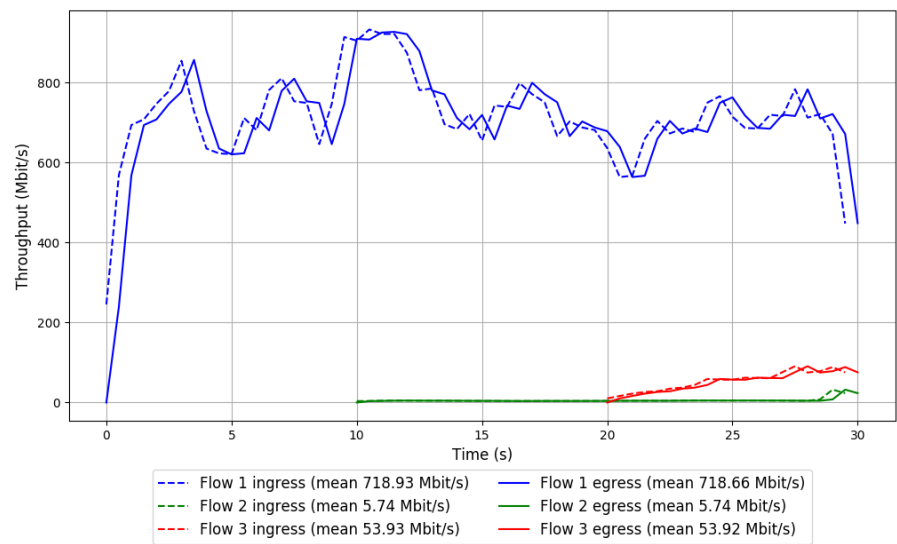
-- Flow 3:

Average throughput: 53.92 Mbit/s

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

Loss rate: 0.01%

Run 4: Report of PCC-Allegro — Data Link



Run 5: Statistics of PCC-Allegro

Start at: 2019-08-27 01:26:27

End at: 2019-08-27 01:26:57

Local clock offset: -0.312 ms

Remote clock offset: 4.1 ms

Below is generated by plot.py at 2019-08-27 02:54:17

Datalink statistics

-- Total of 3 flows:

Average throughput: 354.05 Mbit/s

95th percentile per-packet one-way delay: 1.809 ms

Loss rate: 0.28%

-- Flow 1:

Average throughput: 134.62 Mbit/s

95th percentile per-packet one-way delay: 1.331 ms

Loss rate: 0.19%

-- Flow 2:

Average throughput: 60.71 Mbit/s

95th percentile per-packet one-way delay: 1.332 ms

Loss rate: 0.21%

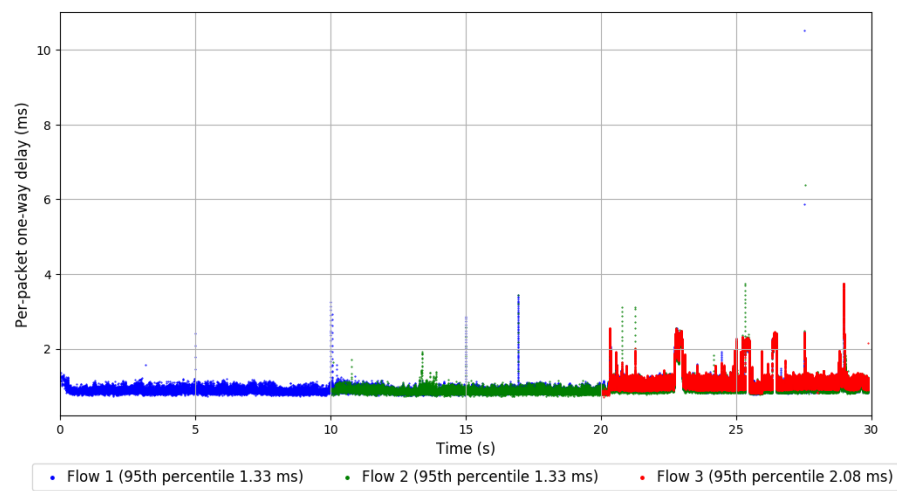
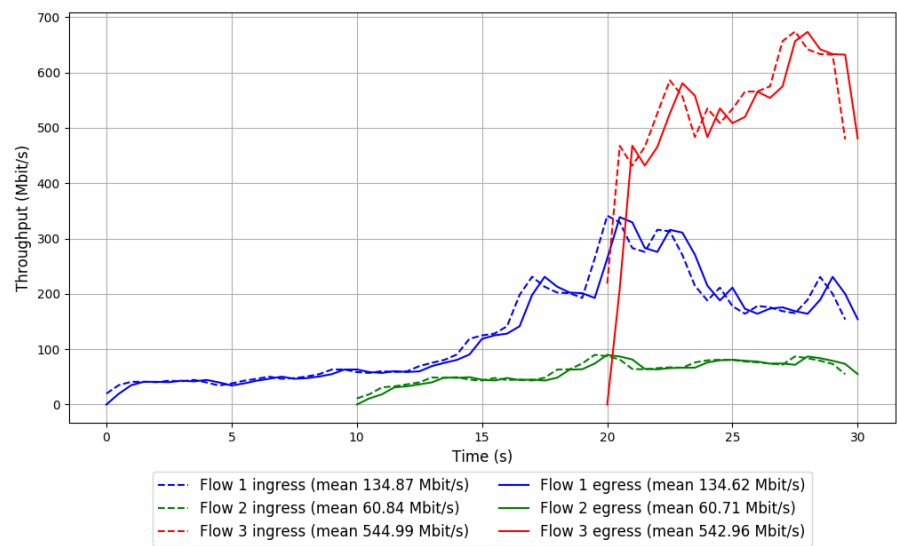
-- Flow 3:

Average throughput: 542.96 Mbit/s

95th percentile per-packet one-way delay: 2.083 ms

Loss rate: 0.36%

Run 5: Report of PCC-Allegro — Data Link

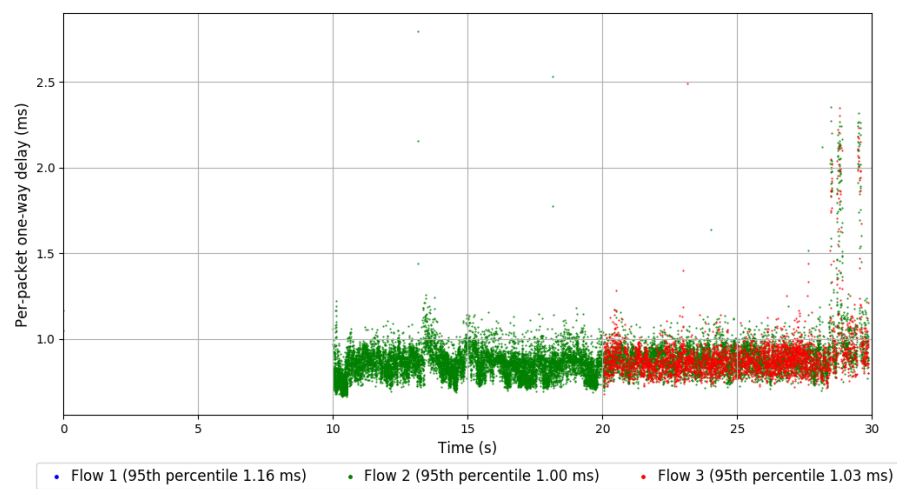
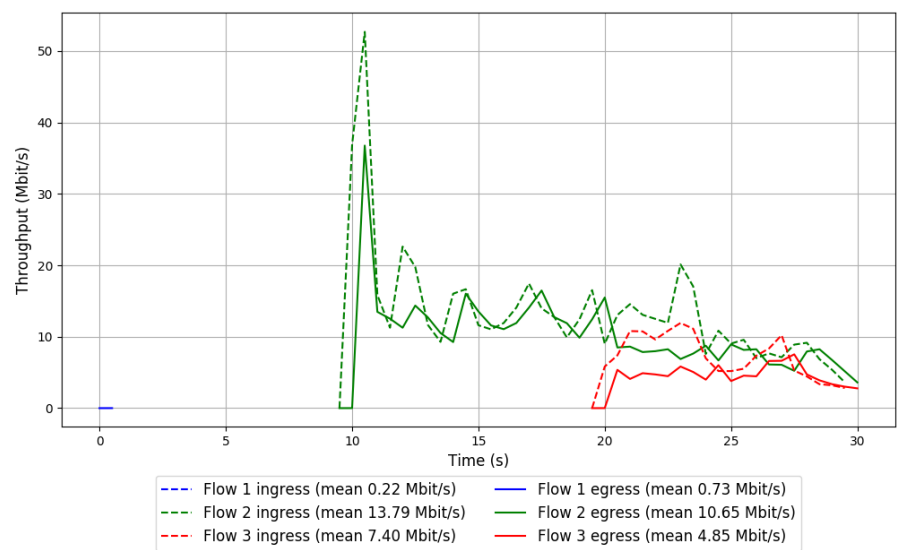


```
Run 1: Statistics of PCC-Expr

Start at: 2019-08-26 23:42:54
End at: 2019-08-26 23:43:24
Local clock offset: -0.259 ms
Remote clock offset: 3.45 ms

# Below is generated by plot.py at 2019-08-27 02:54:17
# Datalink statistics
-- Total of 3 flows:
Average throughput: 8.69 Mbit/s
95th percentile per-packet one-way delay: 1.008 ms
Loss rate: 25.22%
-- Flow 1:
Average throughput: 0.73 Mbit/s
95th percentile per-packet one-way delay: 1.164 ms
Loss rate: 85.71%
-- Flow 2:
Average throughput: 10.65 Mbit/s
95th percentile per-packet one-way delay: 1.003 ms
Loss rate: 22.77%
-- Flow 3:
Average throughput: 4.85 Mbit/s
95th percentile per-packet one-way delay: 1.035 ms
Loss rate: 34.44%
```

Run 1: Report of PCC-Expr — Data Link



Run 2: Statistics of PCC-Expr

Start at: 2019-08-27 00:16:37

End at: 2019-08-27 00:17:07

Local clock offset: -0.473 ms

Remote clock offset: 1.569 ms

Below is generated by plot.py at 2019-08-27 02:54:17

Datalink statistics

-- Total of 3 flows:

Average throughput: 5.92 Mbit/s

95th percentile per-packet one-way delay: 1.165 ms

Loss rate: 0.01%

-- Flow 1:

Average throughput: 0.72 Mbit/s

95th percentile per-packet one-way delay: 1.410 ms

Loss rate: 85.71%

-- Flow 2:

Average throughput: 6.39 Mbit/s

95th percentile per-packet one-way delay: 1.165 ms

Loss rate: 0.00%

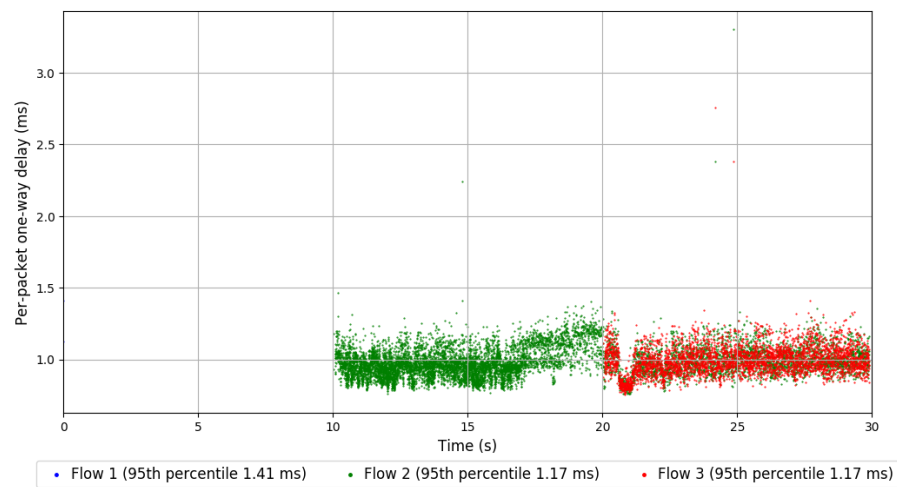
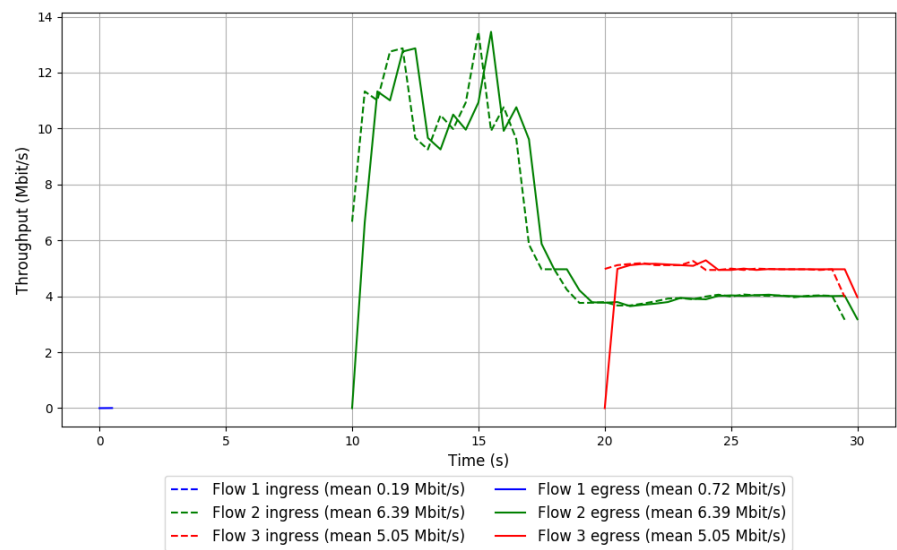
-- Flow 3:

Average throughput: 5.05 Mbit/s

95th percentile per-packet one-way delay: 1.166 ms

Loss rate: 0.00%

Run 2: Report of PCC-Expr — Data Link



Run 3: Statistics of PCC-Expr

Start at: 2019-08-27 00:50:19

End at: 2019-08-27 00:50:49

Local clock offset: -0.647 ms

Remote clock offset: 3.119 ms

Below is generated by plot.py at 2019-08-27 02:54:17

Datalink statistics

-- Total of 3 flows:

Average throughput: 6.36 Mbit/s

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

Loss rate: 19.27%

-- Flow 1:

Average throughput: 0.78 Mbit/s

95th percentile per-packet one-way delay: 1.076 ms

Loss rate: 85.71%

-- Flow 2:

Average throughput: 6.80 Mbit/s

95th percentile per-packet one-way delay: 1.148 ms

Loss rate: 25.13%

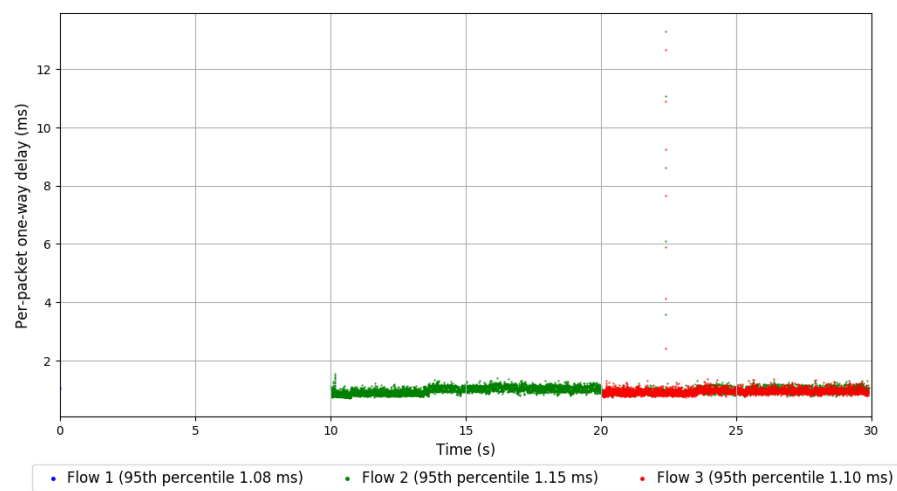
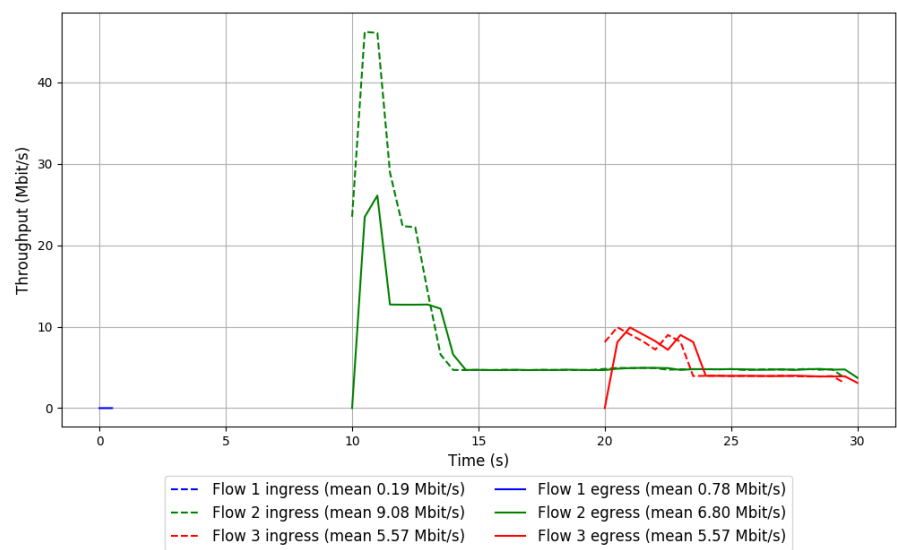
-- Flow 3:

Average throughput: 5.57 Mbit/s

95th percentile per-packet one-way delay: 1.096 ms

Loss rate: 0.02%

Run 3: Report of PCC-Expr — Data Link



Run 4: Statistics of PCC-Expr

Start at: 2019-08-27 01:23:58

End at: 2019-08-27 01:24:28

Local clock offset: -0.361 ms

Remote clock offset: 3.948 ms

Below is generated by plot.py at 2019-08-27 02:54:17

Datalink statistics

-- Total of 3 flows:

Average throughput: 6.18 Mbit/s

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

Loss rate: 39.99%

-- Flow 1:

Average throughput: 0.76 Mbit/s

95th percentile per-packet one-way delay: 1.111 ms

Loss rate: 85.71%

-- Flow 2:

Average throughput: 5.29 Mbit/s

95th percentile per-packet one-way delay: 1.215 ms

Loss rate: 35.82%

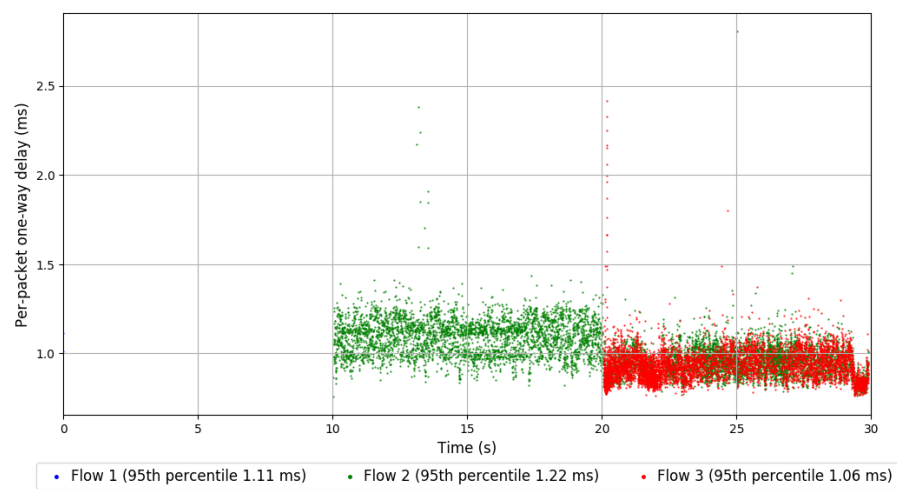
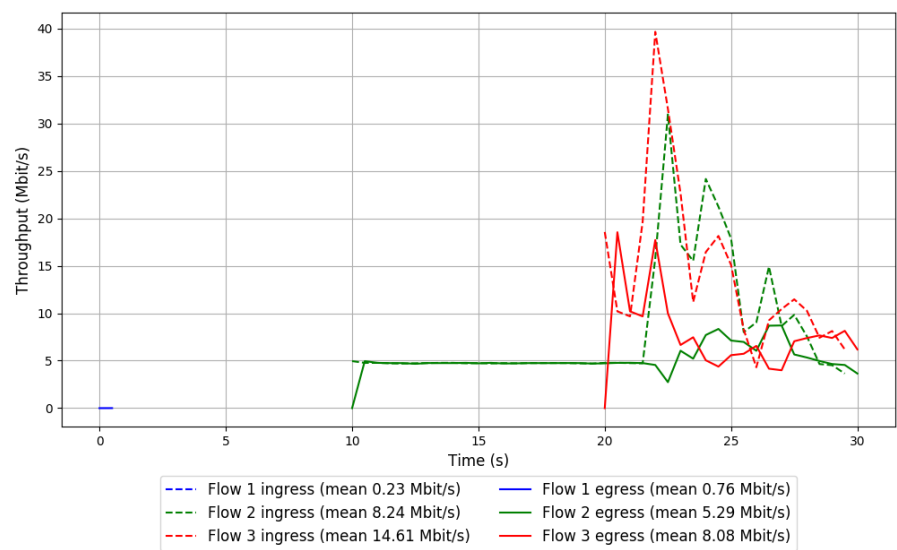
-- Flow 3:

Average throughput: 8.08 Mbit/s

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

Loss rate: 44.71%

Run 4: Report of PCC-Expr — Data Link



Run 5: Statistics of PCC-Expr

Start at: 2019-08-27 01:57:47

End at: 2019-08-27 01:58:17

Local clock offset: 0.427 ms

Remote clock offset: 4.283 ms

Below is generated by plot.py at 2019-08-27 02:54:17

Datalink statistics

-- Total of 3 flows:

Average throughput: 8.82 Mbit/s

95th percentile per-packet one-way delay: 1.070 ms

Loss rate: 32.99%

-- Flow 1:

Average throughput: 0.42 Mbit/s

95th percentile per-packet one-way delay: 1.274 ms

Loss rate: 85.71%

-- Flow 2:

Average throughput: 10.24 Mbit/s

95th percentile per-packet one-way delay: 1.061 ms

Loss rate: 34.98%

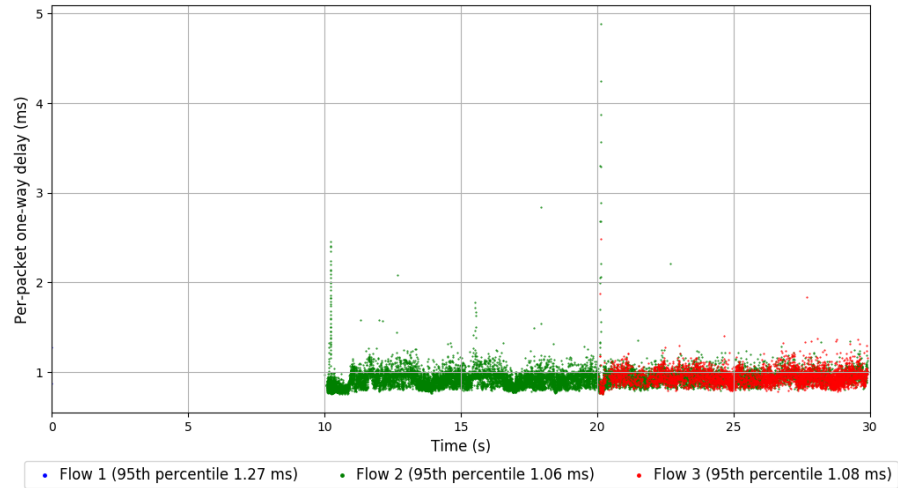
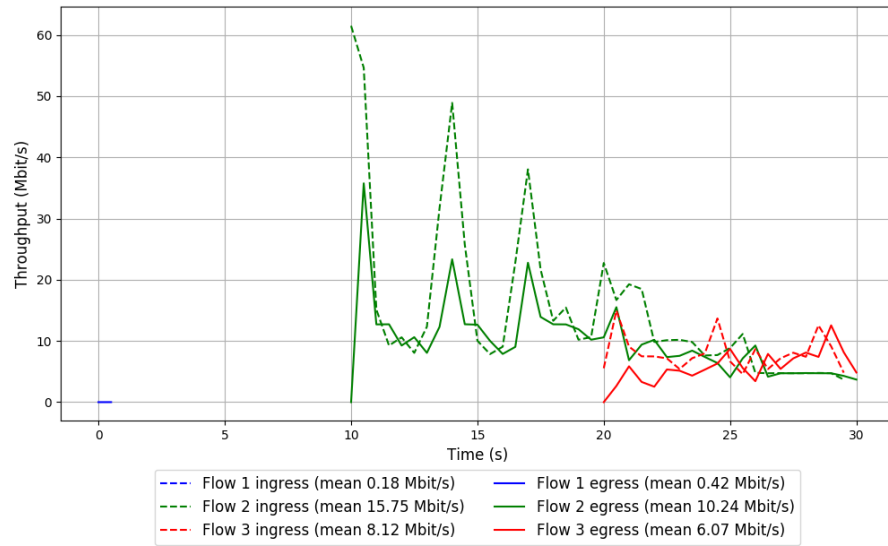
-- Flow 3:

Average throughput: 6.07 Mbit/s

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

Loss rate: 25.23%

Run 5: Report of PCC-Expr — Data Link



Run 1: Statistics of QUIC Cubic

Start at: 2019-08-26 23:40:09

End at: 2019-08-26 23:40:39

Local clock offset: -0.256 ms

Remote clock offset: 3.35 ms

Below is generated by plot.py at 2019-08-27 02:54:17

Datalink statistics

-- Total of 3 flows:

Average throughput: 121.41 Mbit/s

95th percentile per-packet one-way delay: 2.909 ms

Loss rate: 0.04%

-- Flow 1:

Average throughput: 60.77 Mbit/s

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

Loss rate: 0.04%

-- Flow 2:

Average throughput: 66.32 Mbit/s

95th percentile per-packet one-way delay: 3.138 ms

Loss rate: 0.04%

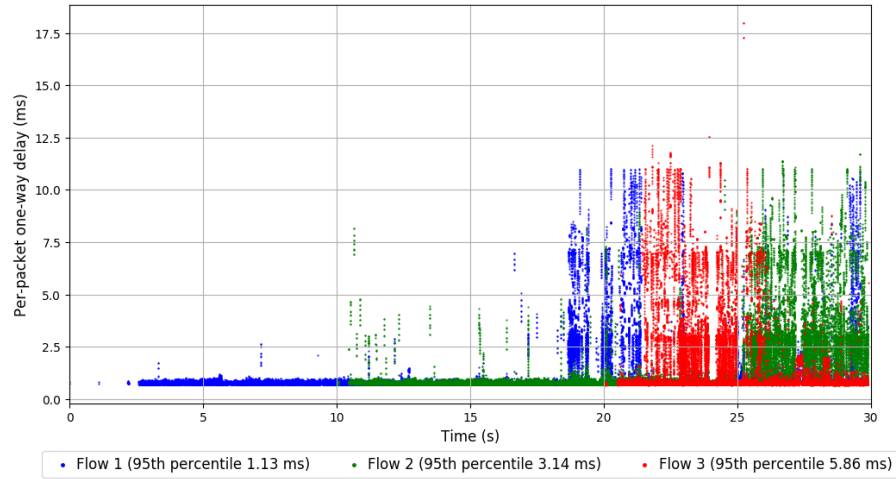
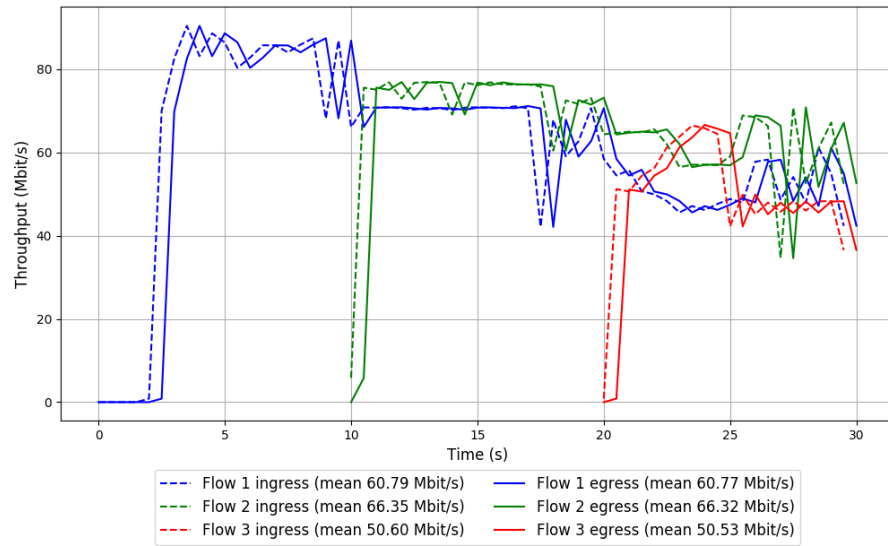
-- Flow 3:

Average throughput: 50.53 Mbit/s

95th percentile per-packet one-way delay: 5.859 ms

Loss rate: 0.09%

Run 1: Report of QUIC Cubic — Data Link



Run 2: Statistics of QUIC Cubic

Start at: 2019-08-27 00:13:47

End at: 2019-08-27 00:14:17

Local clock offset: -0.492 ms

Remote clock offset: 1.61 ms

Below is generated by plot.py at 2019-08-27 02:54:17

Datalink statistics

-- Total of 3 flows:

Average throughput: 123.47 Mbit/s

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

Loss rate: 0.00%

-- Flow 1:

Average throughput: 62.77 Mbit/s

95th percentile per-packet one-way delay: 0.896 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 65.07 Mbit/s

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

Loss rate: 0.00%

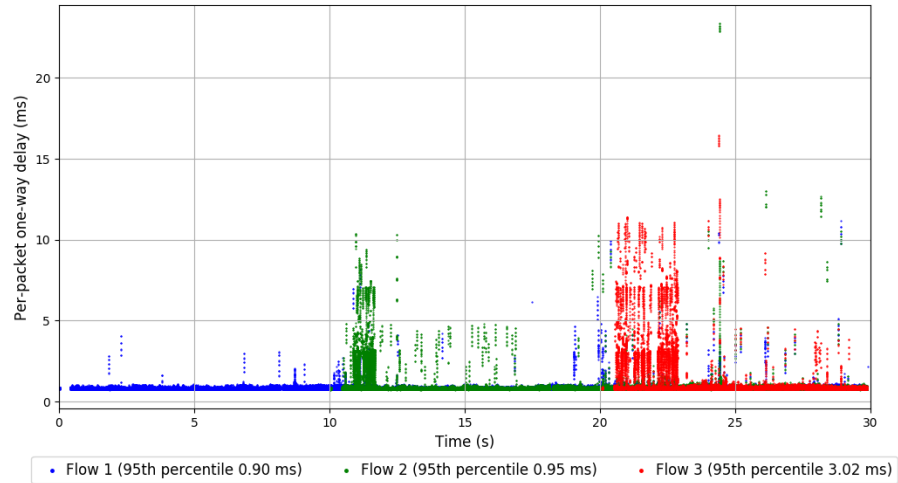
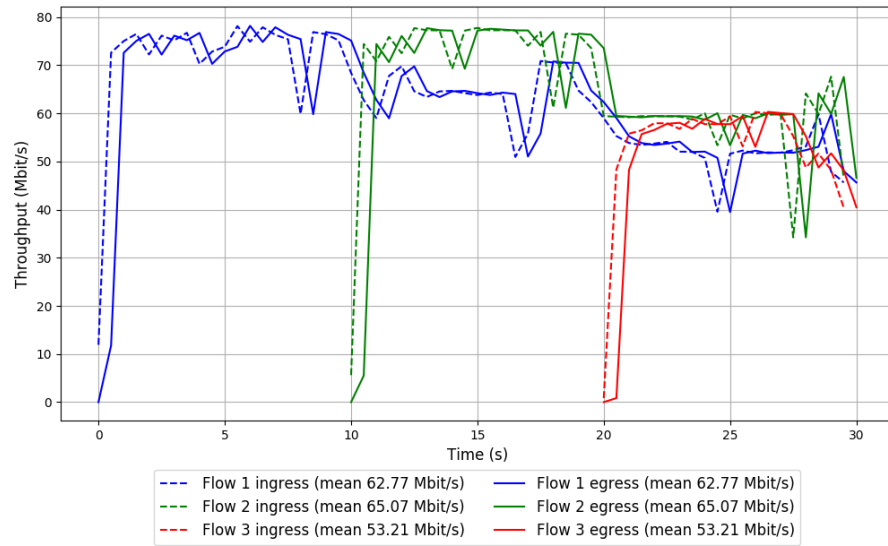
-- Flow 3:

Average throughput: 53.21 Mbit/s

95th percentile per-packet one-way delay: 3.019 ms

Loss rate: 0.00%

Run 2: Report of QUIC Cubic — Data Link



Run 3: Statistics of QUIC Cubic

Start at: 2019-08-27 00:47:32

End at: 2019-08-27 00:48:02

Local clock offset: -0.646 ms

Remote clock offset: 3.069 ms

Below is generated by plot.py at 2019-08-27 02:54:17

Datalink statistics

-- Total of 3 flows:

Average throughput: 126.54 Mbit/s

95th percentile per-packet one-way delay: 1.167 ms

Loss rate: 0.06%

-- Flow 1:

Average throughput: 66.84 Mbit/s

95th percentile per-packet one-way delay: 0.974 ms

Loss rate: 0.03%

-- Flow 2:

Average throughput: 64.59 Mbit/s

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

Loss rate: 0.07%

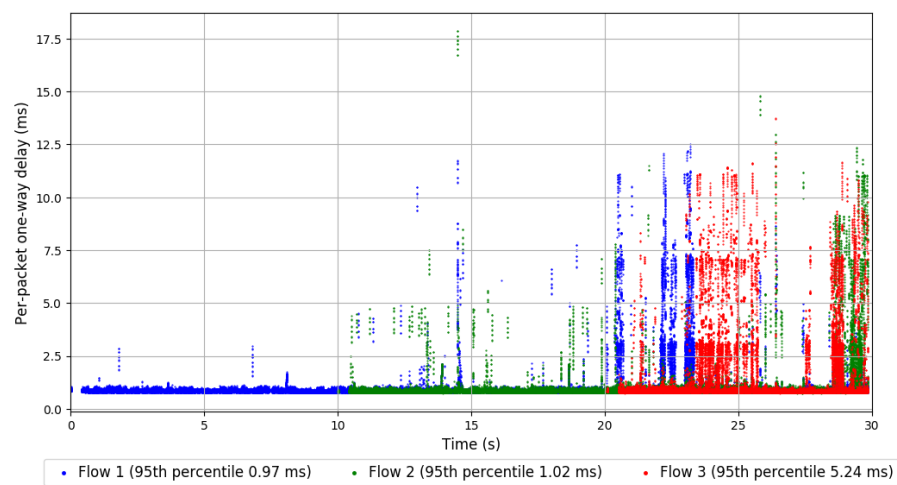
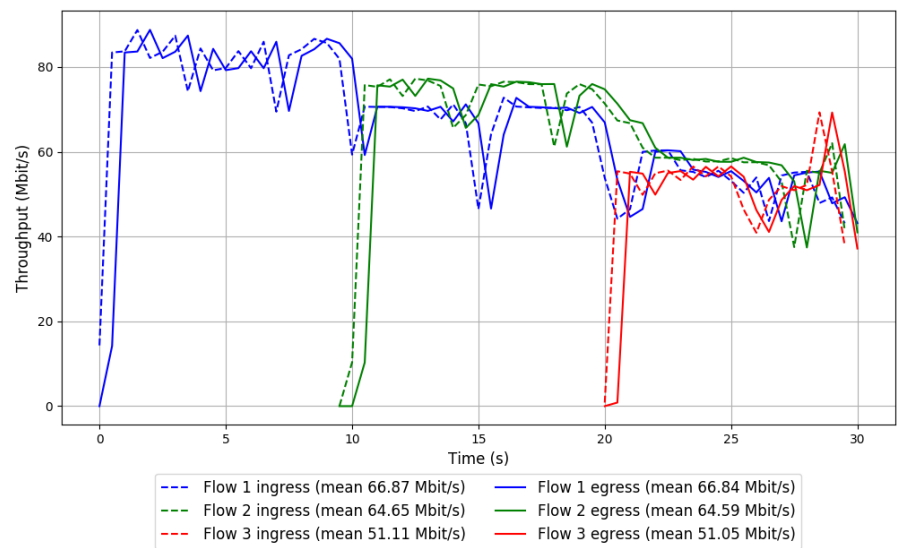
-- Flow 3:

Average throughput: 51.05 Mbit/s

95th percentile per-packet one-way delay: 5.235 ms

Loss rate: 0.09%

Run 3: Report of QUIC Cubic — Data Link



Run 4: Statistics of QUIC Cubic

Start at: 2019-08-27 01:21:12

End at: 2019-08-27 01:21:42

Local clock offset: -0.422 ms

Remote clock offset: 3.83 ms

Below is generated by plot.py at 2019-08-27 02:54:17

Datalink statistics

-- Total of 3 flows:

Average throughput: 125.29 Mbit/s

95th percentile per-packet one-way delay: 1.859 ms

Loss rate: 0.10%

-- Flow 1:

Average throughput: 65.22 Mbit/s

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

Loss rate: 0.19%

-- Flow 2:

Average throughput: 64.33 Mbit/s

95th percentile per-packet one-way delay: 1.996 ms

Loss rate: 0.01%

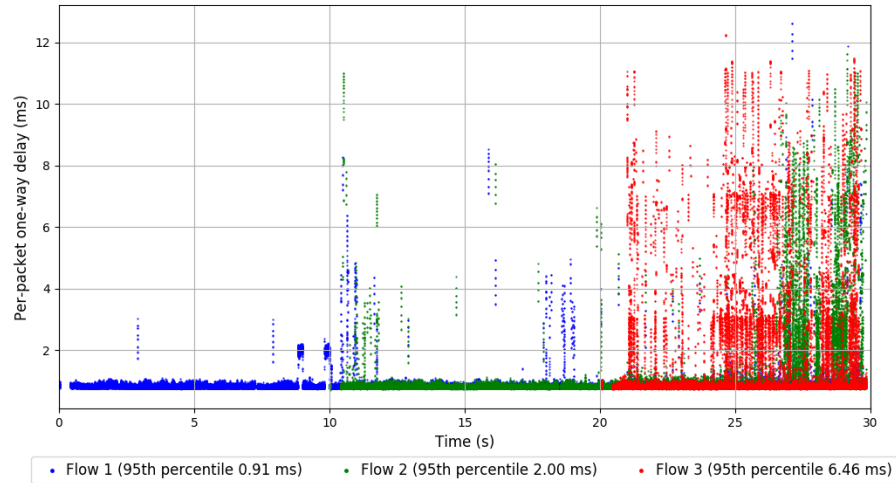
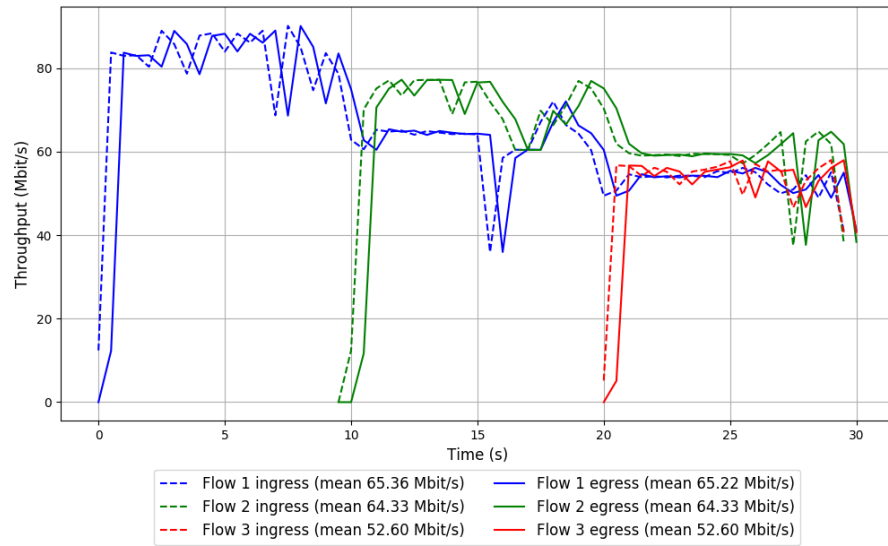
-- Flow 3:

Average throughput: 52.60 Mbit/s

95th percentile per-packet one-way delay: 6.461 ms

Loss rate: 0.00%

Run 4: Report of QUIC Cubic — Data Link



Run 5: Statistics of QUIC Cubic

Start at: 2019-08-27 01:54:59

End at: 2019-08-27 01:55:29

Local clock offset: 0.382 ms

Remote clock offset: 4.234 ms

Below is generated by plot.py at 2019-08-27 02:54:17

Datalink statistics

-- Total of 3 flows:

Average throughput: 124.40 Mbit/s

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

Loss rate: 0.00%

-- Flow 1:

Average throughput: 66.84 Mbit/s

95th percentile per-packet one-way delay: 0.890 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 60.96 Mbit/s

95th percentile per-packet one-way delay: 0.928 ms

Loss rate: 0.00%

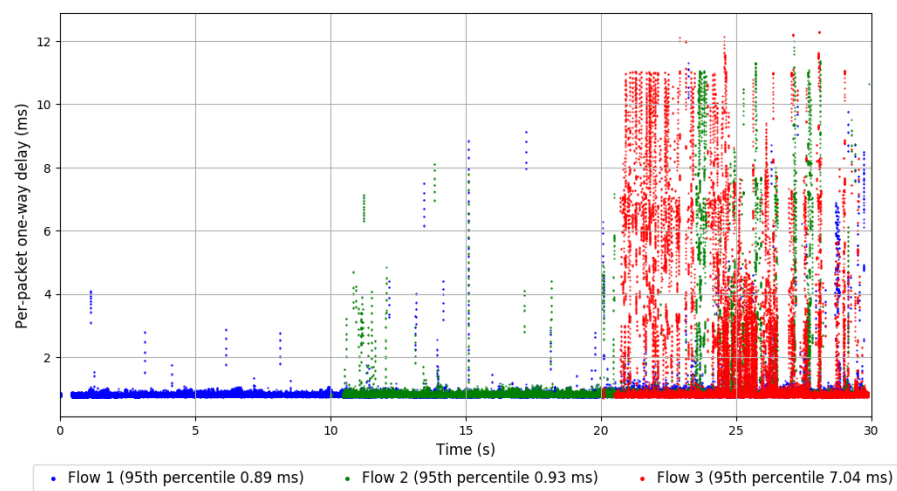
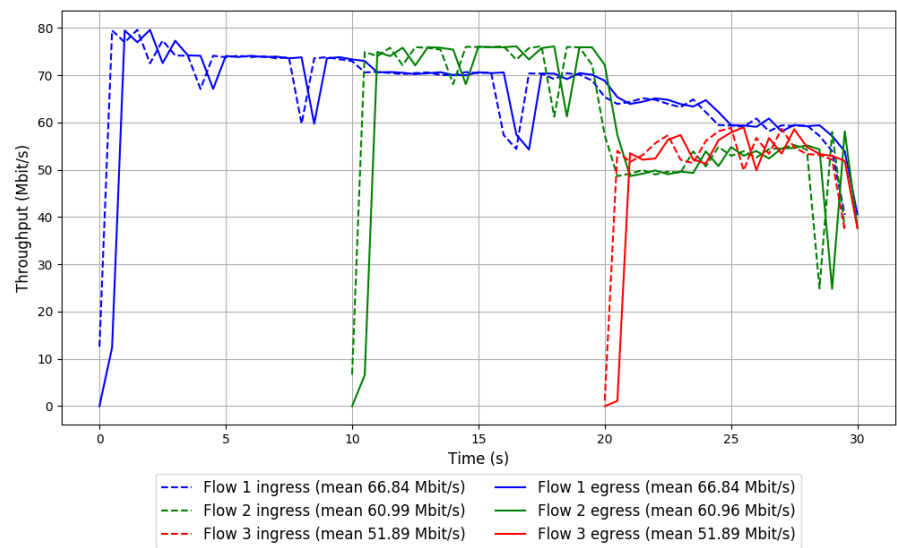
-- Flow 3:

Average throughput: 51.89 Mbit/s

95th percentile per-packet one-way delay: 7.036 ms

Loss rate: 0.00%

Run 5: Report of QUIC Cubic — Data Link



Run 1: Statistics of SReAM

Start at: 2019-08-26 23:10:30

End at: 2019-08-26 23:11:00

Local clock offset: -0.13 ms

Remote clock offset: 1.666 ms

Below is generated by plot.py at 2019-08-27 02:54:17

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.44 Mbit/s

95th percentile per-packet one-way delay: 1.160 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 0.22 Mbit/s

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

Loss rate: 0.00%

-- Flow 2:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 1.149 ms

Loss rate: 0.00%

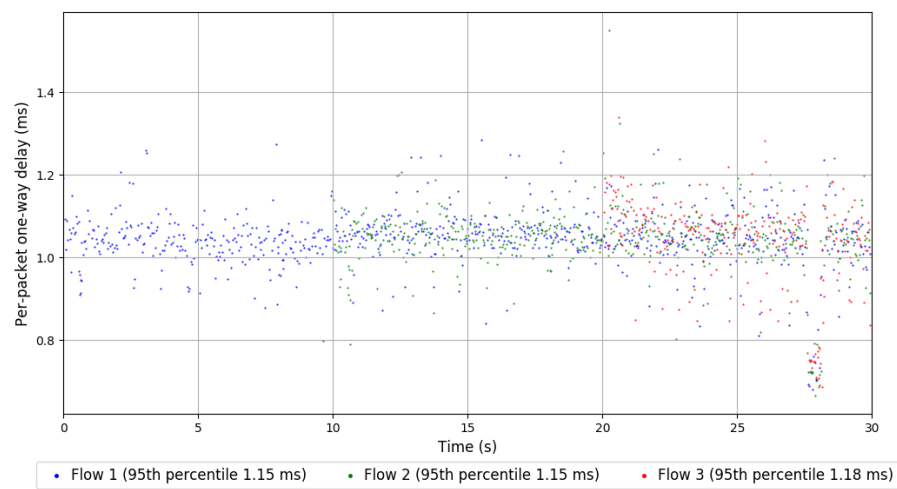
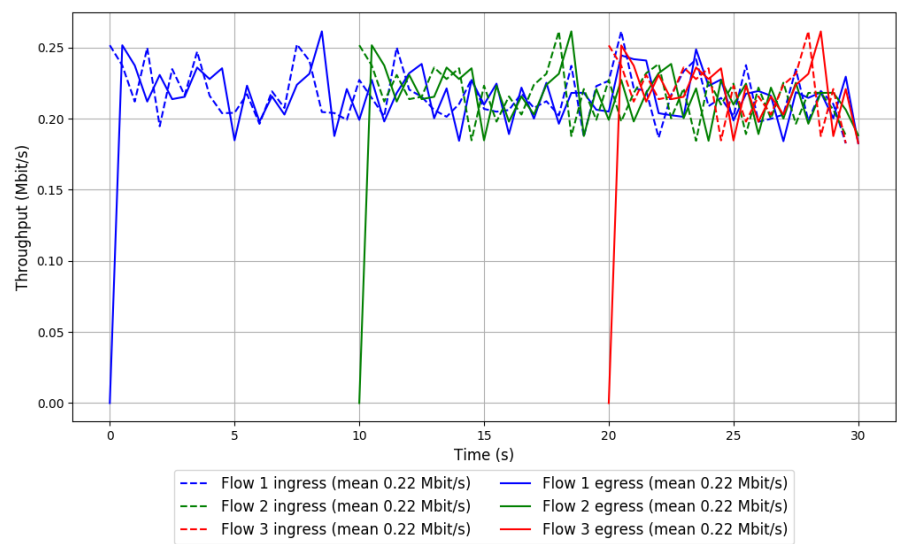
-- Flow 3:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 1.177 ms

Loss rate: 0.00%

Run 1: Report of SReAM — Data Link

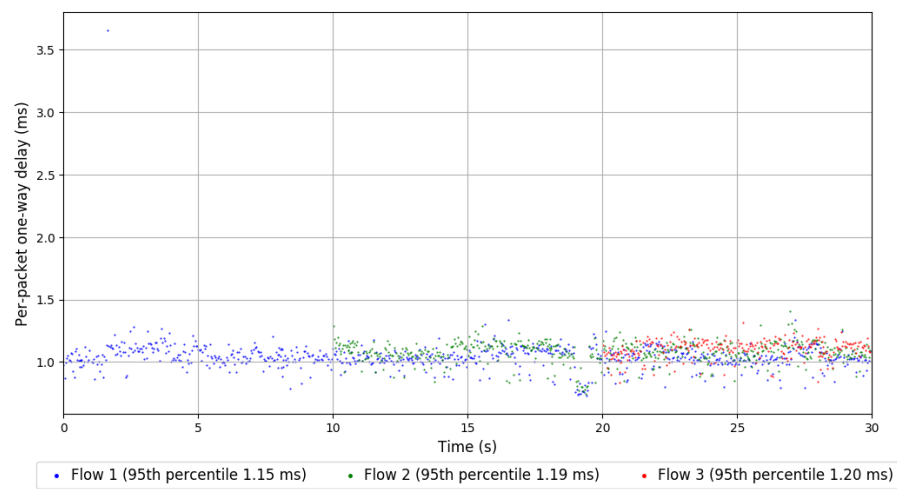
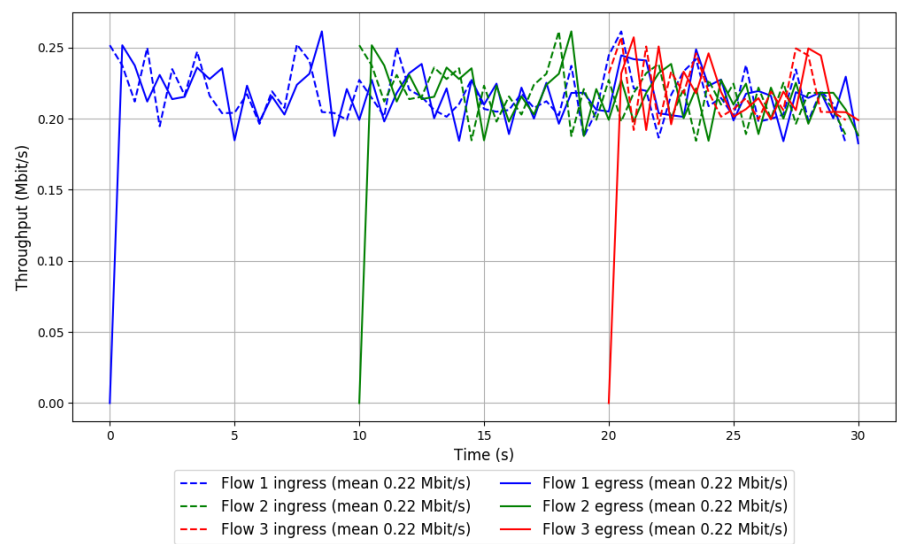


Run 2: Statistics of SReAM

Start at: 2019-08-26 23:44:09
End at: 2019-08-26 23:44:39
Local clock offset: -0.301 ms
Remote clock offset: 3.487 ms

Below is generated by plot.py at 2019-08-27 02:54:17
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.44 Mbit/s
95th percentile per-packet one-way delay: 1.183 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 1.153 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 1.190 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 1.203 ms
Loss rate: 0.00%

Run 2: Report of SReAM — Data Link



Run 3: Statistics of SReAM

Start at: 2019-08-27 00:17:52

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

Local clock offset: -0.474 ms

Remote clock offset: 1.553 ms

Below is generated by plot.py at 2019-08-27 02:54:17

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.37 Mbit/s

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

Loss rate: 0.08%

-- Flow 1:

Average throughput: 0.15 Mbit/s

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

Loss rate: 0.21%

-- Flow 2:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 1.193 ms

Loss rate: 0.00%

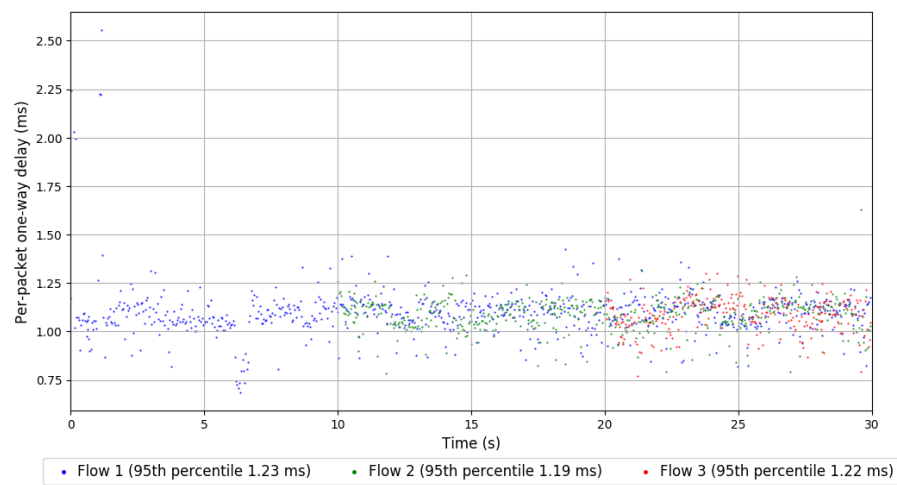
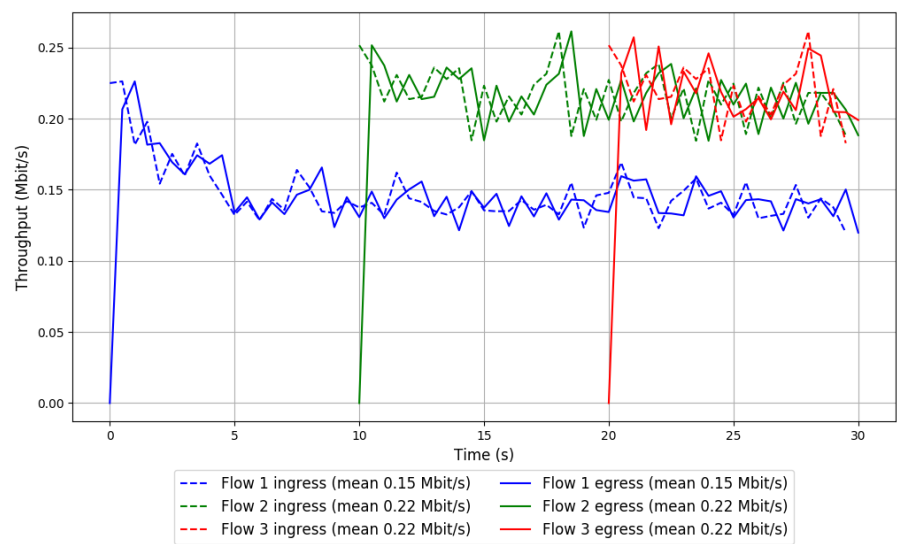
-- Flow 3:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 1.224 ms

Loss rate: 0.00%

Run 3: Report of SReAM — Data Link

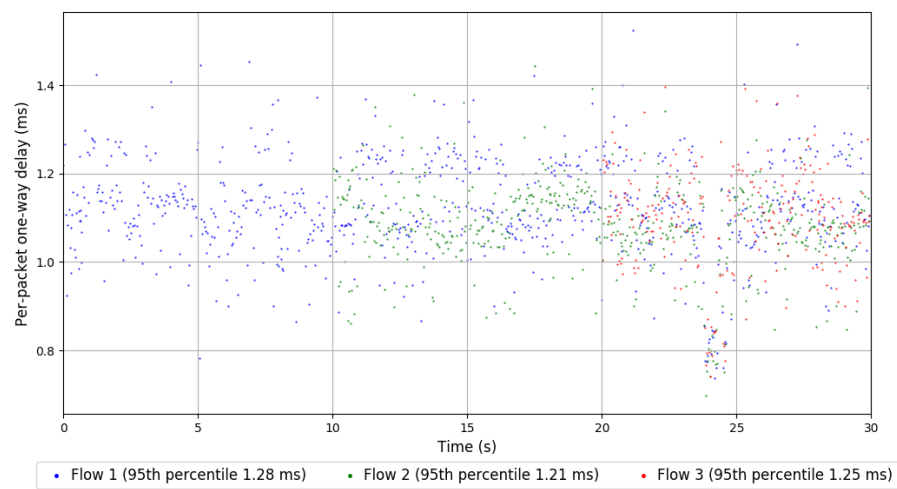
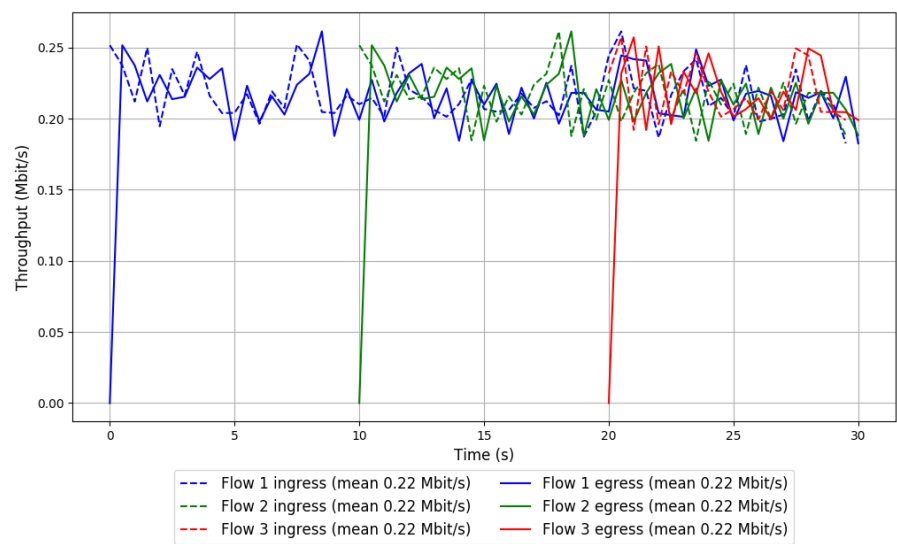


Run 4: Statistics of SReAM

Start at: 2019-08-27 00:51:34
End at: 2019-08-27 00:52:04
Local clock offset: -0.635 ms
Remote clock offset: 3.178 ms

```
# Below is generated by plot.py at 2019-08-27 02:54:17
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.44 Mbit/s
95th percentile per-packet one-way delay: 1.265 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 1.276 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 1.214 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 1.254 ms
Loss rate: 0.00%
```

Run 4: Report of SReAM — Data Link



Run 5: Statistics of SReAM

Start at: 2019-08-27 01:25:13

End at: 2019-08-27 01:25:43

Local clock offset: -0.286 ms

Remote clock offset: 4.057 ms

Below is generated by plot.py at 2019-08-27 02:54:17

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.44 Mbit/s

95th percentile per-packet one-way delay: 1.308 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 1.311 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 1.340 ms

Loss rate: 0.00%

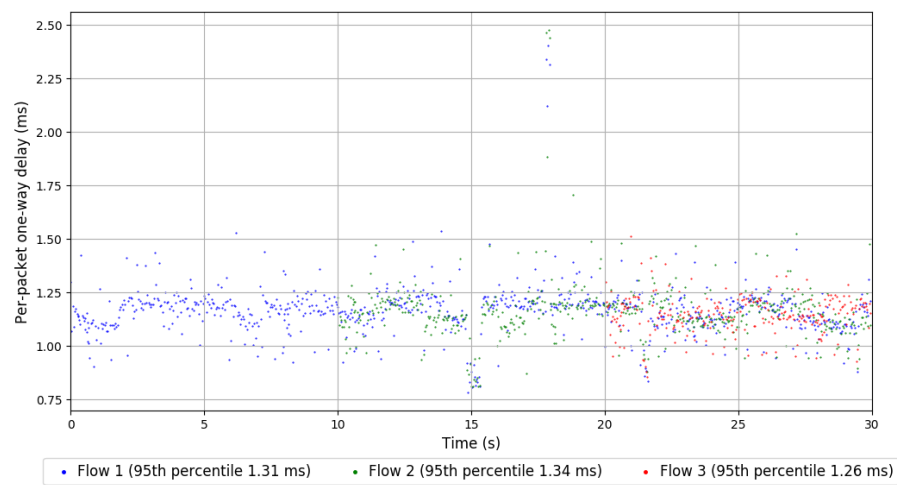
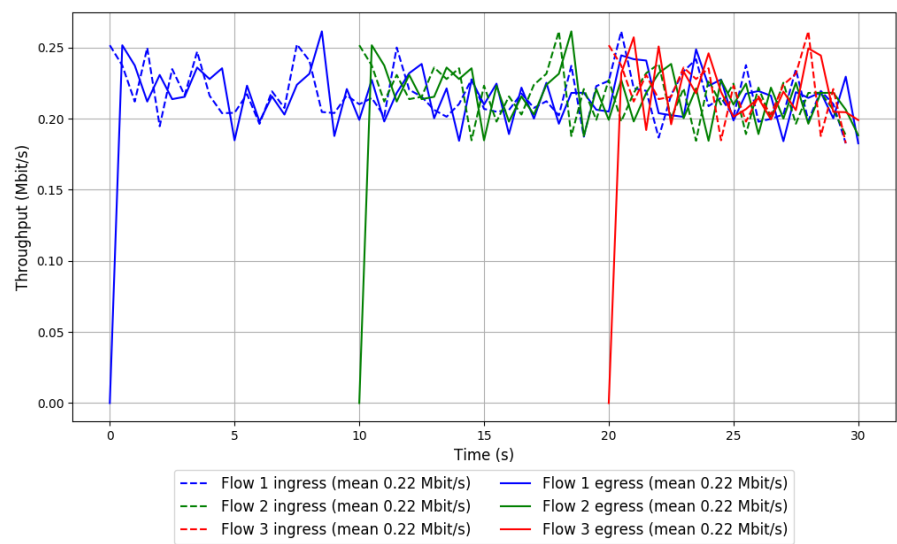
-- Flow 3:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 1.265 ms

Loss rate: 0.00%

Run 5: Report of SReAM — Data Link



Run 1: Statistics of Sprout

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

End at: 2019-08-26 23:22:10

Local clock offset: -0.158 ms

Remote clock offset: 2.242 ms

Below is generated by plot.py at 2019-08-27 02:54:17

Datalink statistics

-- Total of 3 flows:

Average throughput: 99.15 Mbit/s

95th percentile per-packet one-way delay: 4.142 ms

Loss rate: 0.36%

-- Flow 1:

Average throughput: 49.80 Mbit/s

95th percentile per-packet one-way delay: 4.257 ms

Loss rate: 0.33%

-- Flow 2:

Average throughput: 49.72 Mbit/s

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

Loss rate: 0.30%

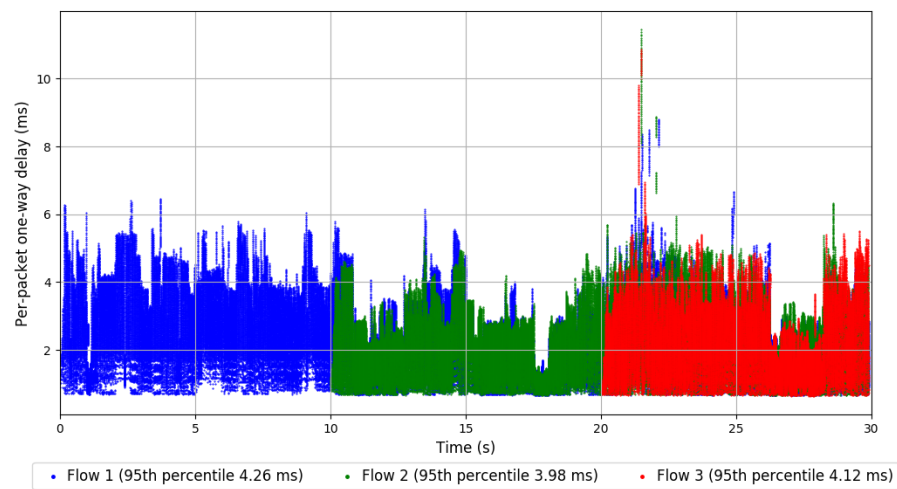
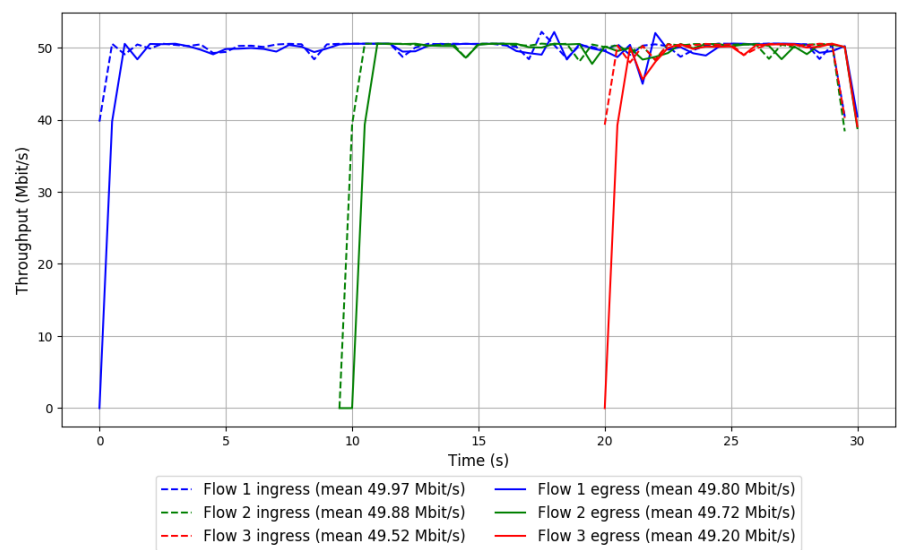
-- Flow 3:

Average throughput: 49.20 Mbit/s

95th percentile per-packet one-way delay: 4.116 ms

Loss rate: 0.60%

Run 1: Report of Sprout — Data Link

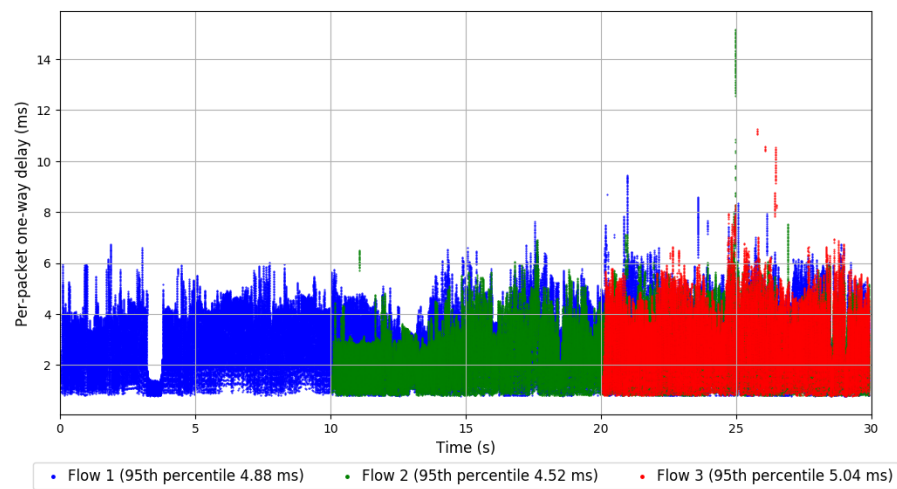
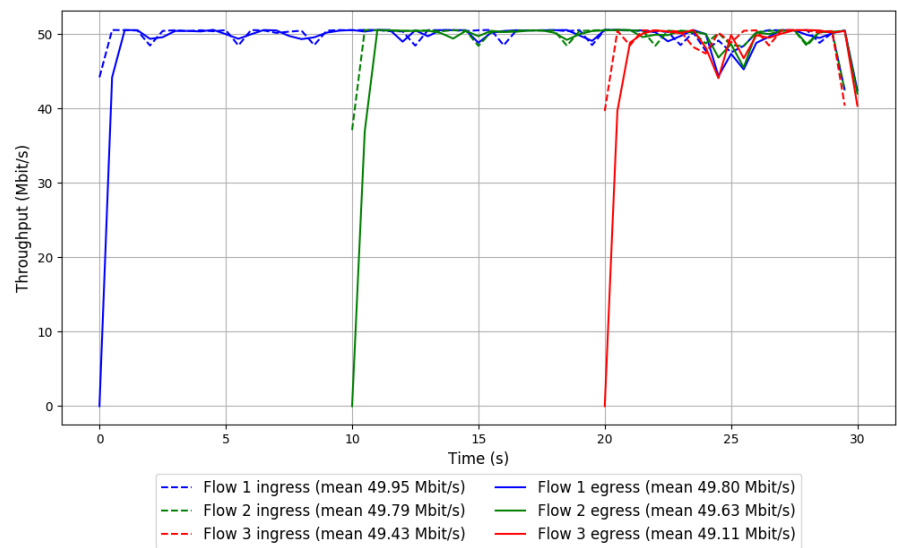


Run 2: Statistics of Sprout

Start at: 2019-08-26 23:55:25
End at: 2019-08-26 23:55:55
Local clock offset: -0.389 ms
Remote clock offset: 3.91 ms

```
# Below is generated by plot.py at 2019-08-27 02:54:17
# Datalink statistics
-- Total of 3 flows:
Average throughput: 99.05 Mbit/s
95th percentile per-packet one-way delay: 4.807 ms
Loss rate: 0.35%
-- Flow 1:
Average throughput: 49.80 Mbit/s
95th percentile per-packet one-way delay: 4.877 ms
Loss rate: 0.30%
-- Flow 2:
Average throughput: 49.63 Mbit/s
95th percentile per-packet one-way delay: 4.524 ms
Loss rate: 0.29%
-- Flow 3:
Average throughput: 49.11 Mbit/s
95th percentile per-packet one-way delay: 5.044 ms
Loss rate: 0.62%
```

Run 2: Report of Sprout — Data Link

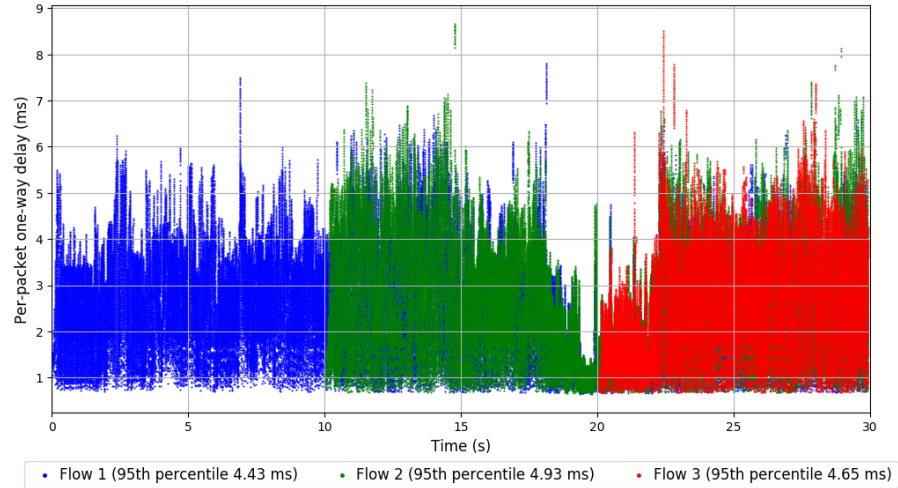
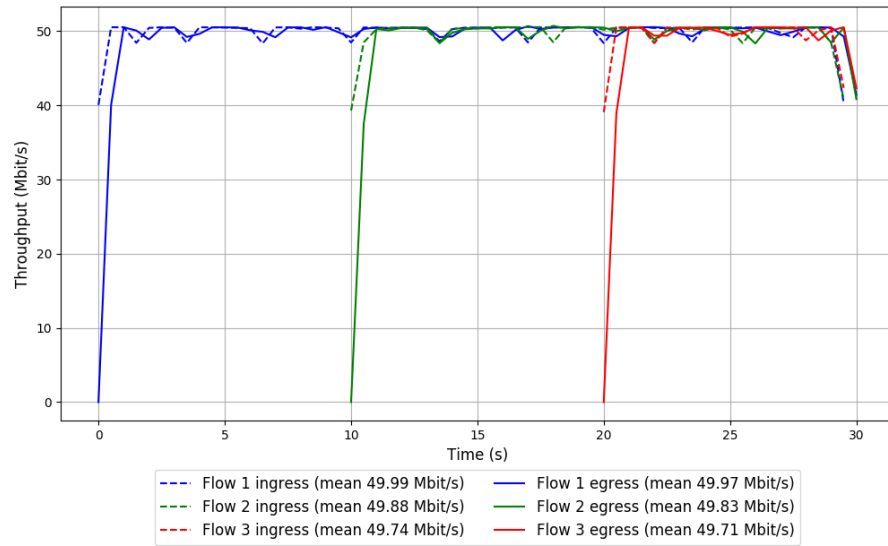


Run 3: Statistics of Sprout

Start at: 2019-08-27 00:29:08
End at: 2019-08-27 00:29:38
Local clock offset: -0.559 ms
Remote clock offset: 1.756 ms

```
# Below is generated by plot.py at 2019-08-27 02:54:17
# Datalink statistics
-- Total of 3 flows:
Average throughput: 99.54 Mbit/s
95th percentile per-packet one-way delay: 4.668 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 49.97 Mbit/s
95th percentile per-packet one-way delay: 4.426 ms
Loss rate: 0.03%
-- Flow 2:
Average throughput: 49.83 Mbit/s
95th percentile per-packet one-way delay: 4.932 ms
Loss rate: 0.07%
-- Flow 3:
Average throughput: 49.71 Mbit/s
95th percentile per-packet one-way delay: 4.648 ms
Loss rate: 0.03%
```

Run 3: Report of Sprout — Data Link

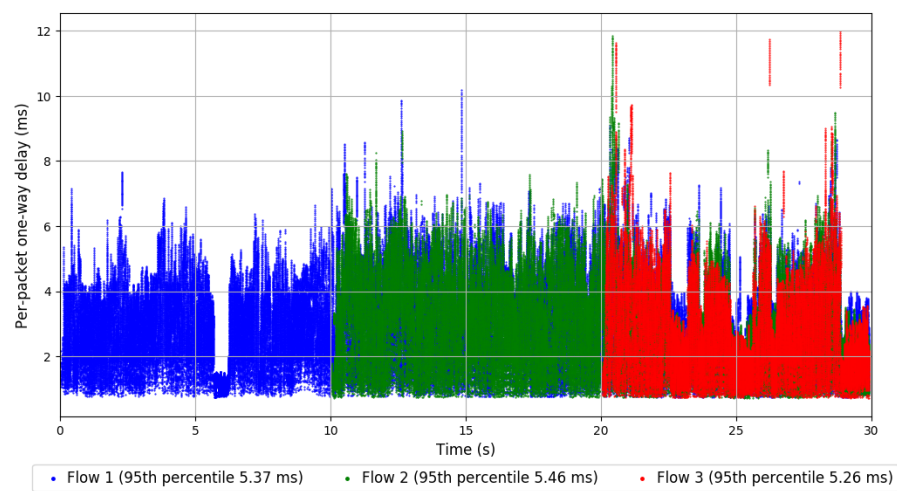
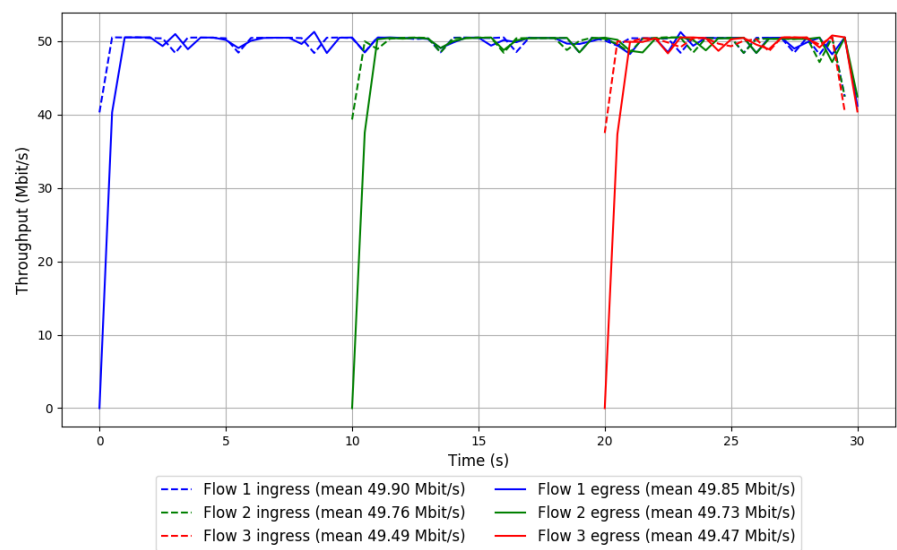


Run 4: Statistics of Sprout

Start at: 2019-08-27 01:02:52
End at: 2019-08-27 01:03:22
Local clock offset: -0.607 ms
Remote clock offset: 3.63 ms

```
# Below is generated by plot.py at 2019-08-27 02:54:17
# Datalink statistics
-- Total of 3 flows:
Average throughput: 99.27 Mbit/s
95th percentile per-packet one-way delay: 5.389 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 49.85 Mbit/s
95th percentile per-packet one-way delay: 5.372 ms
Loss rate: 0.10%
-- Flow 2:
Average throughput: 49.73 Mbit/s
95th percentile per-packet one-way delay: 5.455 ms
Loss rate: 0.05%
-- Flow 3:
Average throughput: 49.47 Mbit/s
95th percentile per-packet one-way delay: 5.261 ms
Loss rate: 0.02%
```

Run 4: Report of Sprout — Data Link

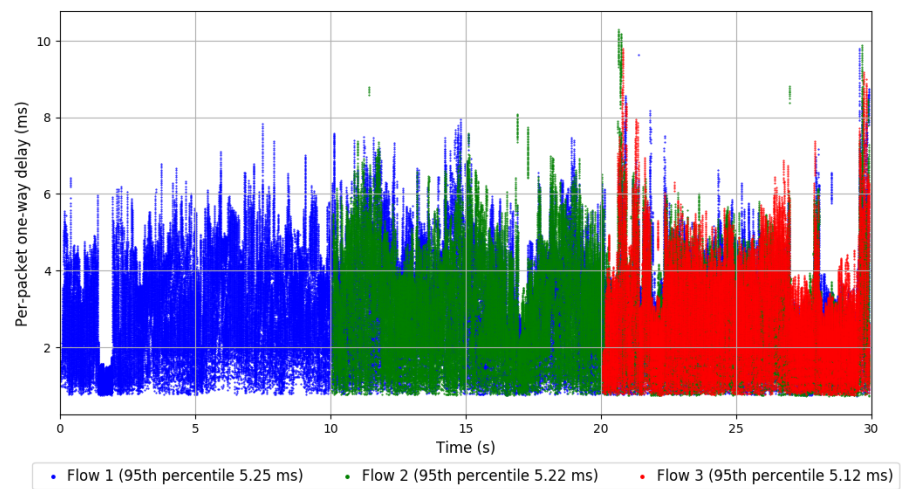
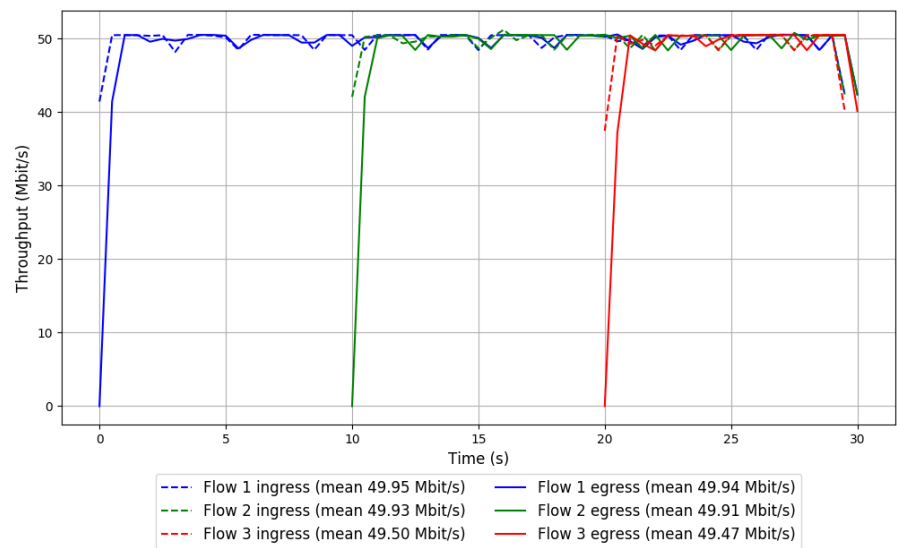


Run 5: Statistics of Sprout

Start at: 2019-08-27 01:36:26
End at: 2019-08-27 01:36:56
Local clock offset: -0.054 ms
Remote clock offset: 4.58 ms

```
# Below is generated by plot.py at 2019-08-27 02:54:17
# Datalink statistics
-- Total of 3 flows:
Average throughput: 99.51 Mbit/s
95th percentile per-packet one-way delay: 5.220 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 49.94 Mbit/s
95th percentile per-packet one-way delay: 5.249 ms
Loss rate: 0.02%
-- Flow 2:
Average throughput: 49.91 Mbit/s
95th percentile per-packet one-way delay: 5.218 ms
Loss rate: 0.03%
-- Flow 3:
Average throughput: 49.47 Mbit/s
95th percentile per-packet one-way delay: 5.117 ms
Loss rate: 0.03%
```

Run 5: Report of Sprout — Data Link

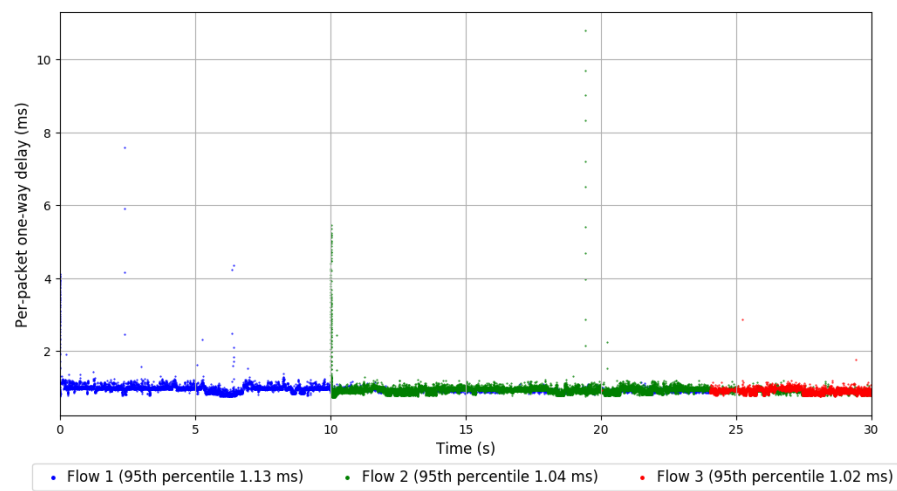
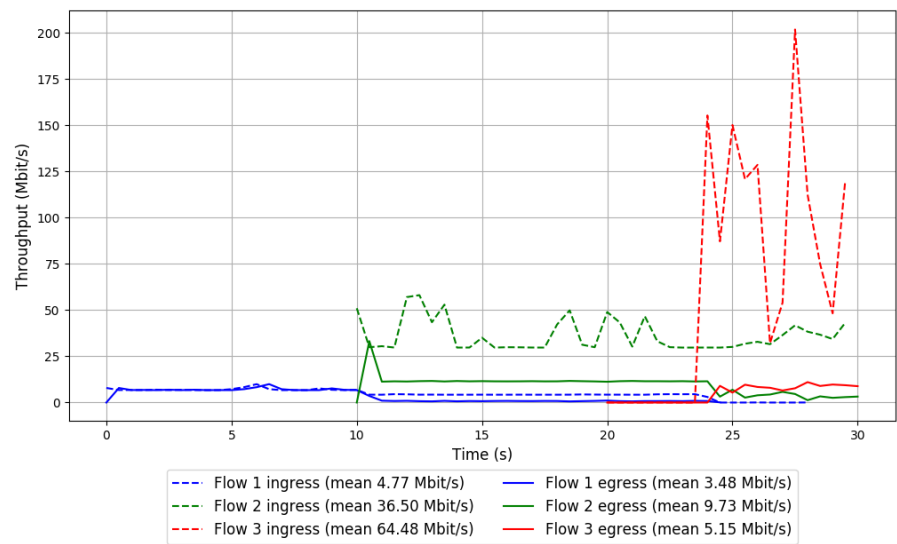


```
Run 1: Statistics of TaoVA-100x

Start at: 2019-08-26 23:17:22
End at: 2019-08-26 23:17:52
Local clock offset: -0.136 ms
Remote clock offset: 2.07 ms

# Below is generated by plot.py at 2019-08-27 02:54:17
# Datalink statistics
-- Total of 3 flows:
Average throughput: 11.01 Mbit/s
95th percentile per-packet one-way delay: 1.065 ms
Loss rate: 78.09%
-- Flow 1:
Average throughput: 3.48 Mbit/s
95th percentile per-packet one-way delay: 1.130 ms
Loss rate: 37.33%
-- Flow 2:
Average throughput: 9.73 Mbit/s
95th percentile per-packet one-way delay: 1.037 ms
Loss rate: 73.35%
-- Flow 3:
Average throughput: 5.15 Mbit/s
95th percentile per-packet one-way delay: 1.017 ms
Loss rate: 92.01%
```

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



Run 2: Statistics of TaoVA-100x

Start at: 2019-08-26 23:51:00

End at: 2019-08-26 23:51:30

Local clock offset: -0.354 ms

Remote clock offset: 3.759 ms

Below is generated by plot.py at 2019-08-27 02:54:17

Datalink statistics

-- Total of 3 flows:

Average throughput: 10.94 Mbit/s

95th percentile per-packet one-way delay: 1.178 ms

Loss rate: 50.69%

-- Flow 1:

Average throughput: 4.60 Mbit/s

95th percentile per-packet one-way delay: 1.220 ms

Loss rate: 20.32%

-- Flow 2:

Average throughput: 4.04 Mbit/s

95th percentile per-packet one-way delay: 1.151 ms

Loss rate: 30.89%

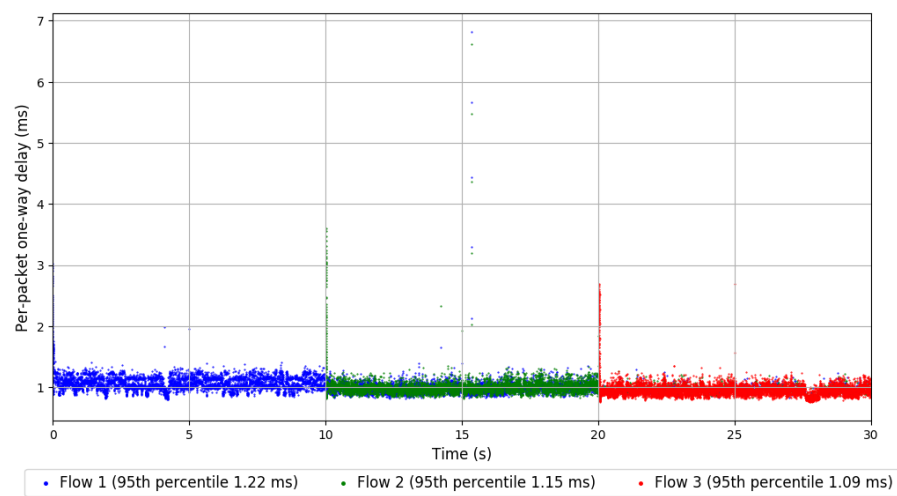
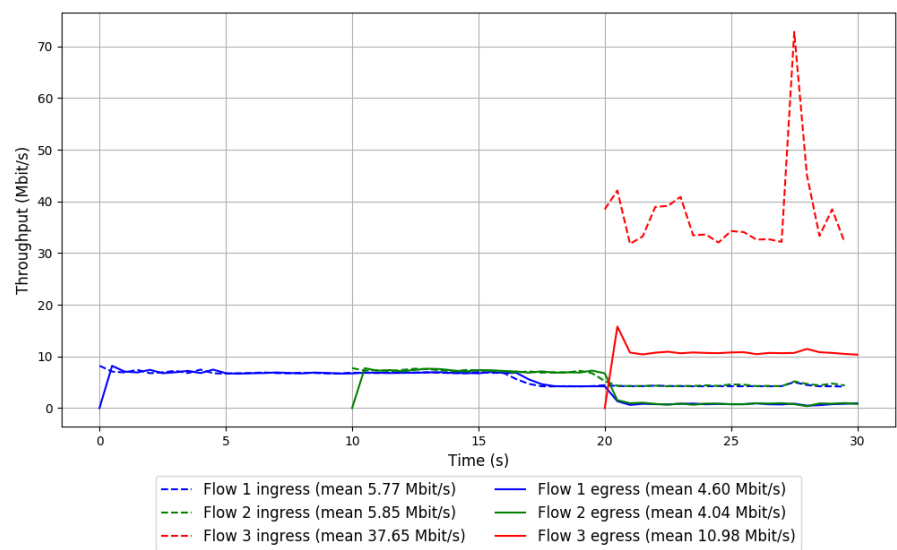
-- Flow 3:

Average throughput: 10.98 Mbit/s

95th percentile per-packet one-way delay: 1.089 ms

Loss rate: 70.83%

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



Run 3: Statistics of TaoVA-100x

Start at: 2019-08-27 00:24:45

End at: 2019-08-27 00:25:15

Local clock offset: -0.533 ms

Remote clock offset: 1.734 ms

Below is generated by plot.py at 2019-08-27 02:54:17

Datalink statistics

-- Total of 3 flows:

Average throughput: 11.12 Mbit/s

95th percentile per-packet one-way delay: 1.185 ms

Loss rate: 31.71%

-- Flow 1:

Average throughput: 5.64 Mbit/s

95th percentile per-packet one-way delay: 1.225 ms

Loss rate: 47.09%

-- Flow 2:

Average throughput: 5.82 Mbit/s

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

Loss rate: 1.65%

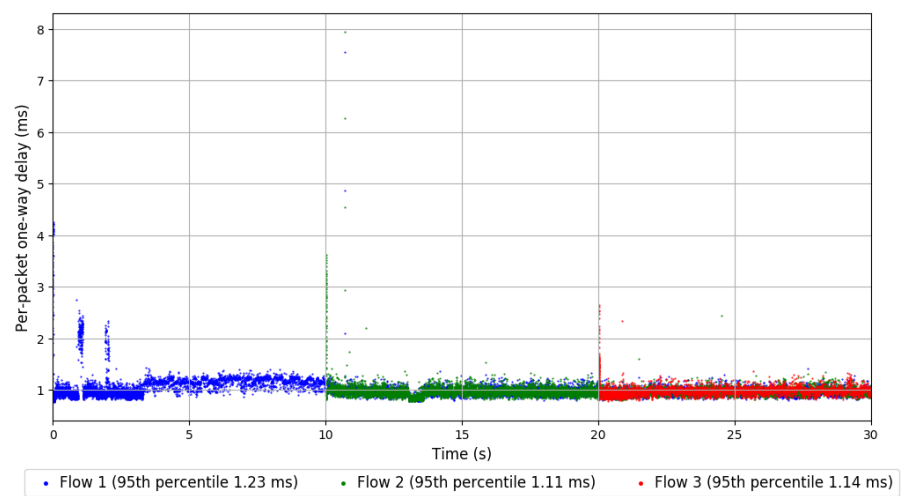
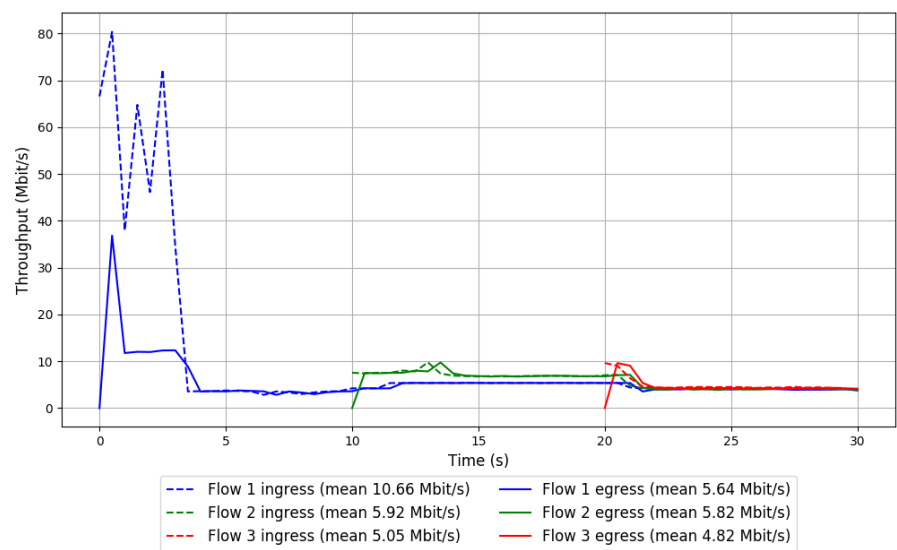
-- Flow 3:

Average throughput: 4.82 Mbit/s

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

Loss rate: 4.62%

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



Run 4: Statistics of TaoVA-100x

Start at: 2019-08-27 00:58:25

End at: 2019-08-27 00:58:55

Local clock offset: -0.619 ms

Remote clock offset: 3.437 ms

Below is generated by plot.py at 2019-08-27 02:54:17

Datalink statistics

-- Total of 3 flows:

Average throughput: 11.04 Mbit/s

95th percentile per-packet one-way delay: 1.071 ms

Loss rate: 75.65%

-- Flow 1:

Average throughput: 3.08 Mbit/s

95th percentile per-packet one-way delay: 1.139 ms

Loss rate: 42.98%

-- Flow 2:

Average throughput: 10.73 Mbit/s

95th percentile per-packet one-way delay: 1.014 ms

Loss rate: 73.30%

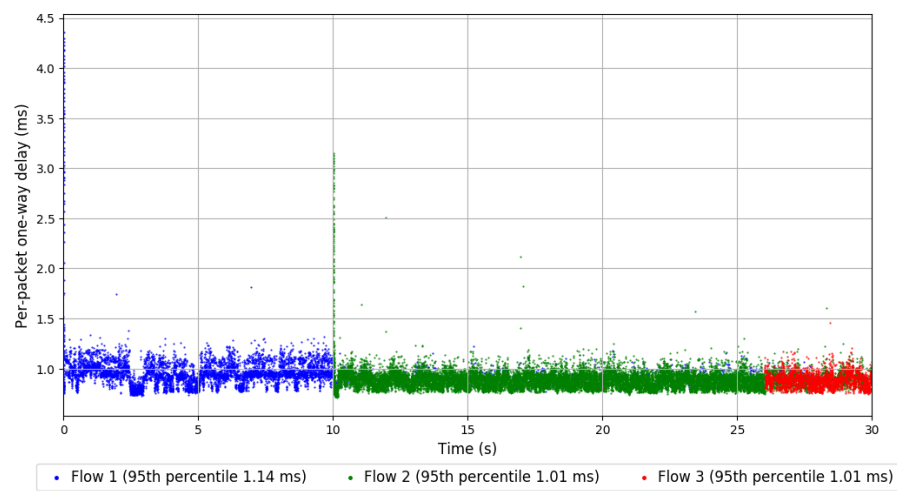
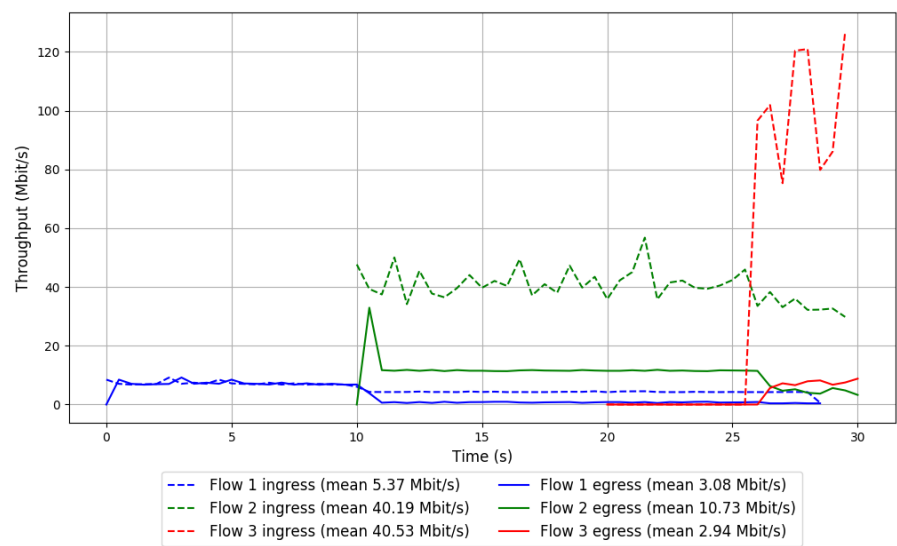
-- Flow 3:

Average throughput: 2.94 Mbit/s

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

Loss rate: 92.75%

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



Run 5: Statistics of TaoVA-100x

Start at: 2019-08-27 01:31:59

End at: 2019-08-27 01:32:29

Local clock offset: -0.137 ms

Remote clock offset: 4.34 ms

Below is generated by plot.py at 2019-08-27 02:54:17

Datalink statistics

-- Total of 3 flows:

Average throughput: 12.73 Mbit/s

95th percentile per-packet one-way delay: 1.024 ms

Loss rate: 77.66%

-- Flow 1:

Average throughput: 8.19 Mbit/s

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

Loss rate: 74.38%

-- Flow 2:

Average throughput: 6.62 Mbit/s

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

Loss rate: 76.90%

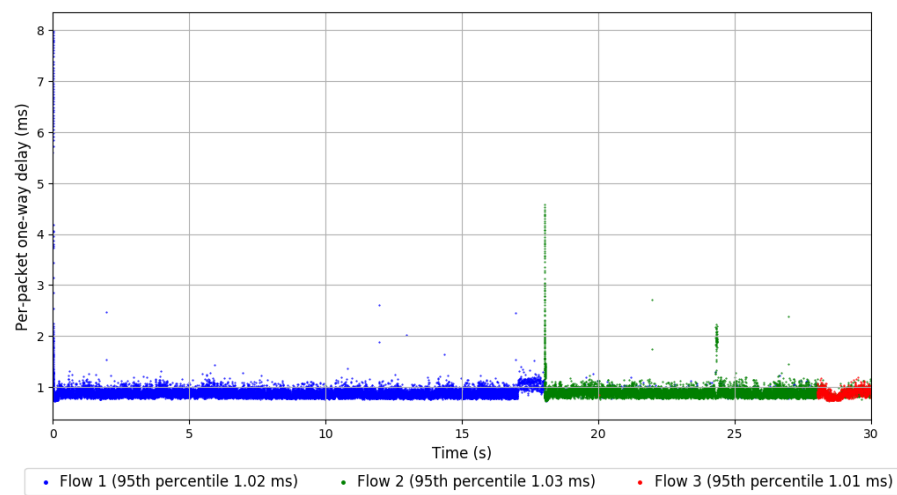
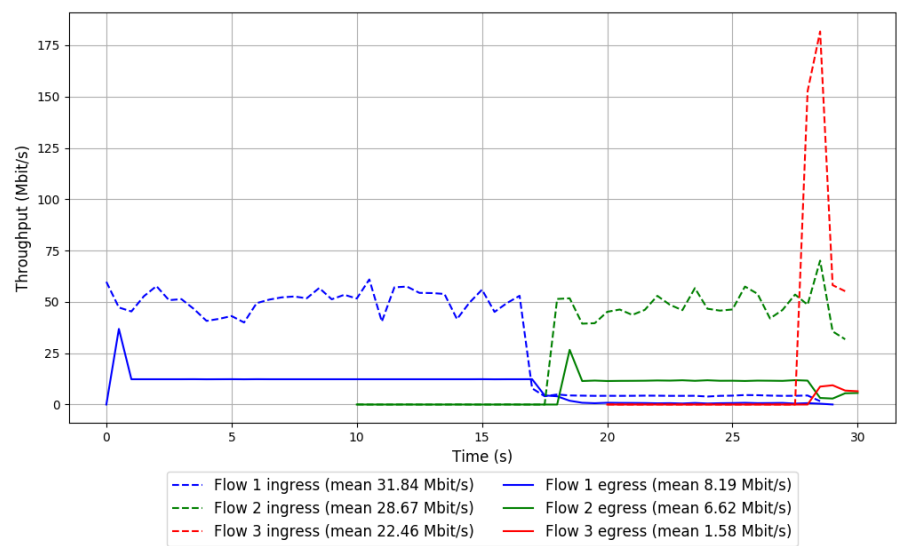
-- Flow 3:

Average throughput: 1.58 Mbit/s

95th percentile per-packet one-way delay: 1.013 ms

Loss rate: 92.99%

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



Run 1: Statistics of TCP Vegas

Start at: 2019-08-26 23:29:57

End at: 2019-08-26 23:30:27

Local clock offset: -0.197 ms

Remote clock offset: 2.824 ms

Below is generated by plot.py at 2019-08-27 02:55:50

Datalink statistics

-- Total of 3 flows:

Average throughput: 359.99 Mbit/s

95th percentile per-packet one-way delay: 1.174 ms

Loss rate: 0.01%

-- Flow 1:

Average throughput: 144.94 Mbit/s

95th percentile per-packet one-way delay: 1.135 ms

Loss rate: 0.01%

-- Flow 2:

Average throughput: 204.96 Mbit/s

95th percentile per-packet one-way delay: 1.199 ms

Loss rate: 0.02%

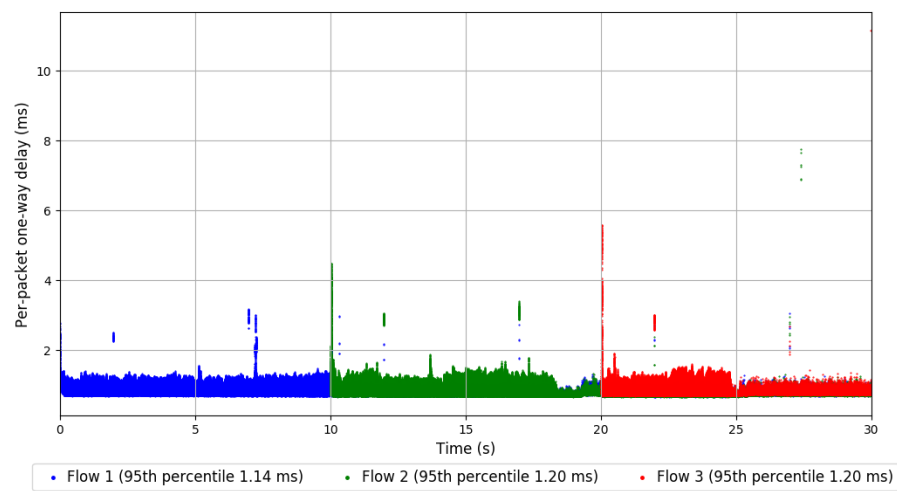
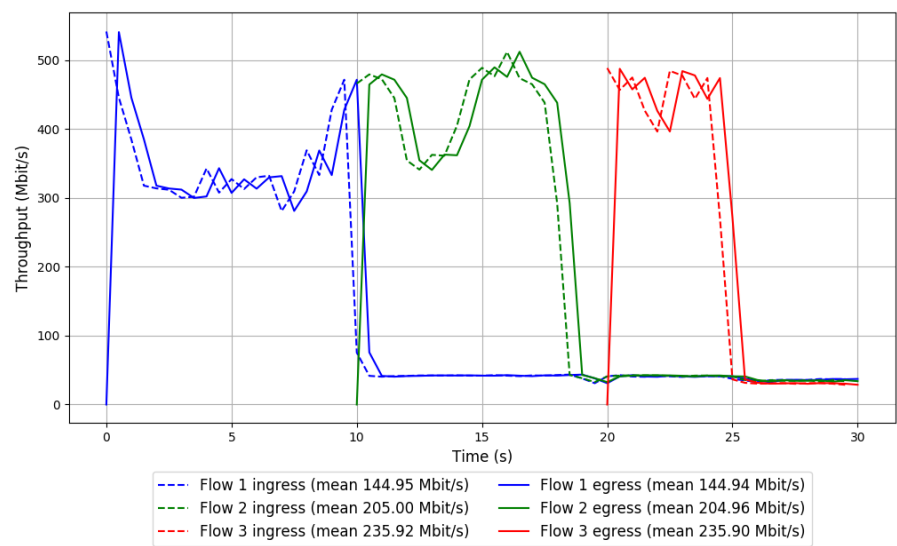
-- Flow 3:

Average throughput: 235.90 Mbit/s

95th percentile per-packet one-way delay: 1.203 ms

Loss rate: 0.01%

Run 1: Report of TCP Vegas — Data Link



Run 2: Statistics of TCP Vegas

Start at: 2019-08-27 00:03:36

End at: 2019-08-27 00:04:06

Local clock offset: -0.455 ms

Remote clock offset: 3.243 ms

Below is generated by plot.py at 2019-08-27 02:57:09

Datalink statistics

-- Total of 3 flows:

Average throughput: 457.27 Mbit/s

95th percentile per-packet one-way delay: 1.443 ms

Loss rate: 0.02%

-- Flow 1:

Average throughput: 175.21 Mbit/s

95th percentile per-packet one-way delay: 1.532 ms

Loss rate: 0.01%

-- Flow 2:

Average throughput: 381.28 Mbit/s

95th percentile per-packet one-way delay: 1.414 ms

Loss rate: 0.02%

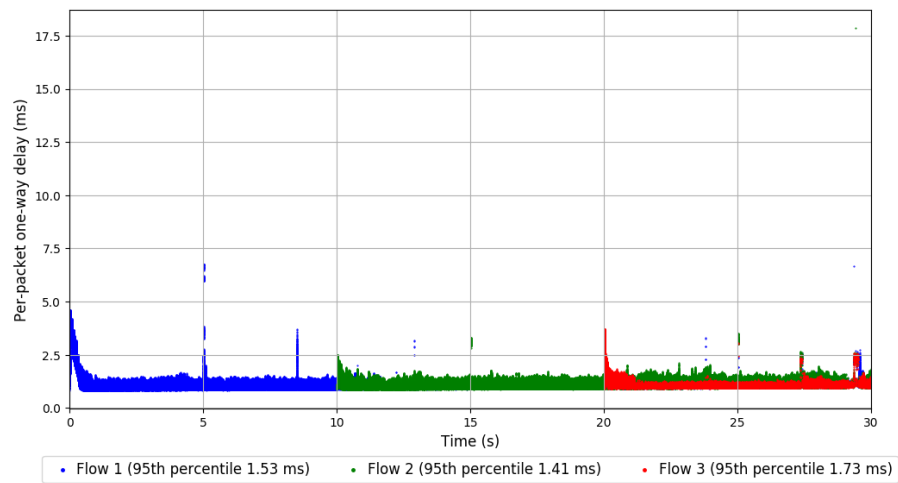
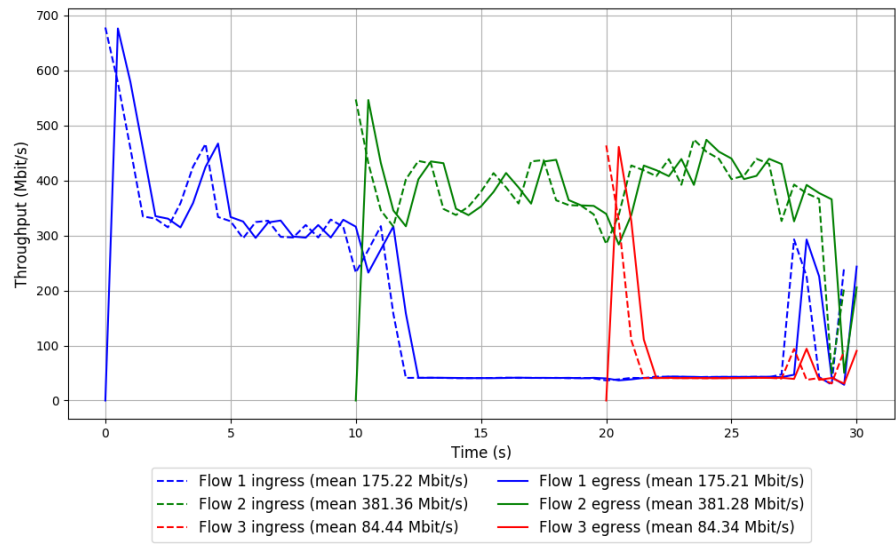
-- Flow 3:

Average throughput: 84.34 Mbit/s

95th percentile per-packet one-way delay: 1.731 ms

Loss rate: 0.11%

Run 2: Report of TCP Vegas — Data Link



Run 3: Statistics of TCP Vegas

Start at: 2019-08-27 00:37:23

End at: 2019-08-27 00:37:53

Local clock offset: -0.653 ms

Remote clock offset: 2.317 ms

Below is generated by plot.py at 2019-08-27 02:57:09

Datalink statistics

-- Total of 3 flows:

Average throughput: 269.45 Mbit/s

95th percentile per-packet one-way delay: 1.129 ms

Loss rate: 0.01%

-- Flow 1:

Average throughput: 76.31 Mbit/s

95th percentile per-packet one-way delay: 2.141 ms

Loss rate: 0.02%

-- Flow 2:

Average throughput: 138.27 Mbit/s

95th percentile per-packet one-way delay: 1.094 ms

Loss rate: 0.01%

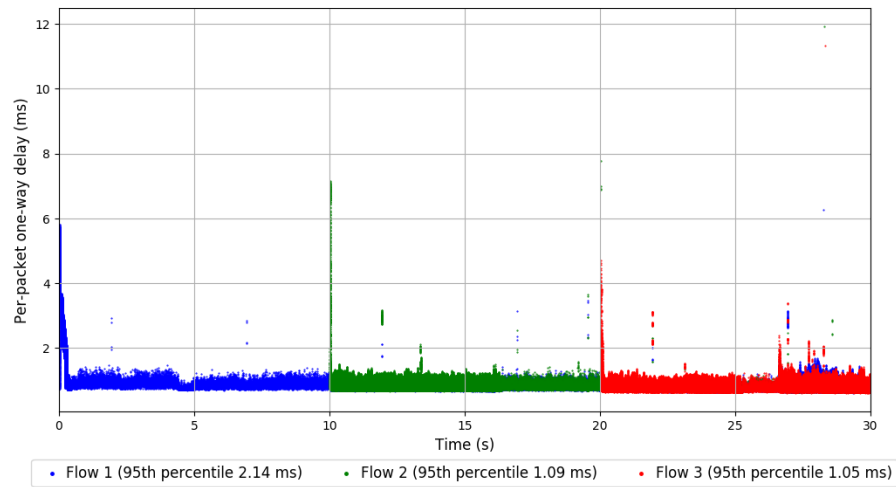
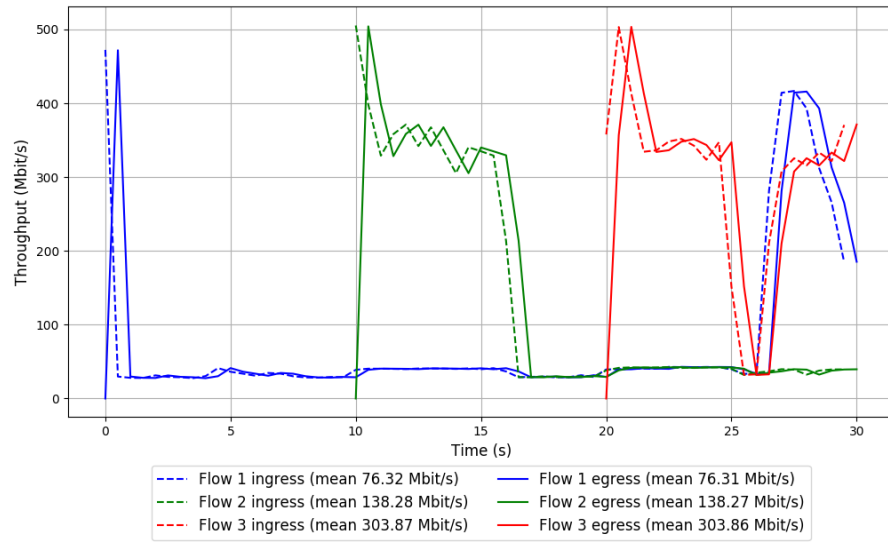
-- Flow 3:

Average throughput: 303.86 Mbit/s

95th percentile per-packet one-way delay: 1.050 ms

Loss rate: 0.01%

Run 3: Report of TCP Vegas — Data Link



Run 4: Statistics of TCP Vegas

Start at: 2019-08-27 01:11:09

End at: 2019-08-27 01:11:39

Local clock offset: -0.58 ms

Remote clock offset: 3.774 ms

Below is generated by plot.py at 2019-08-27 02:57:09

Datalink statistics

-- Total of 3 flows:

Average throughput: 243.48 Mbit/s

95th percentile per-packet one-way delay: 1.119 ms

Loss rate: 0.01%

-- Flow 1:

Average throughput: 66.30 Mbit/s

95th percentile per-packet one-way delay: 1.141 ms

Loss rate: 0.01%

-- Flow 2:

Average throughput: 164.27 Mbit/s

95th percentile per-packet one-way delay: 1.093 ms

Loss rate: 0.00%

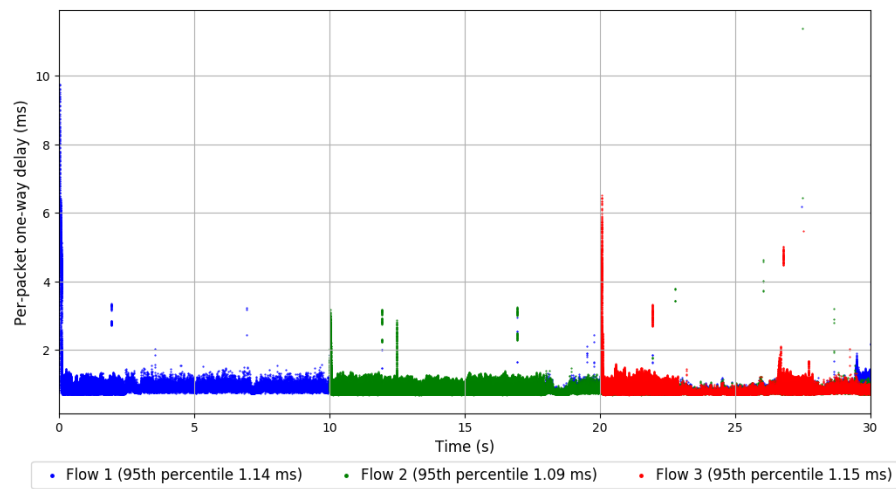
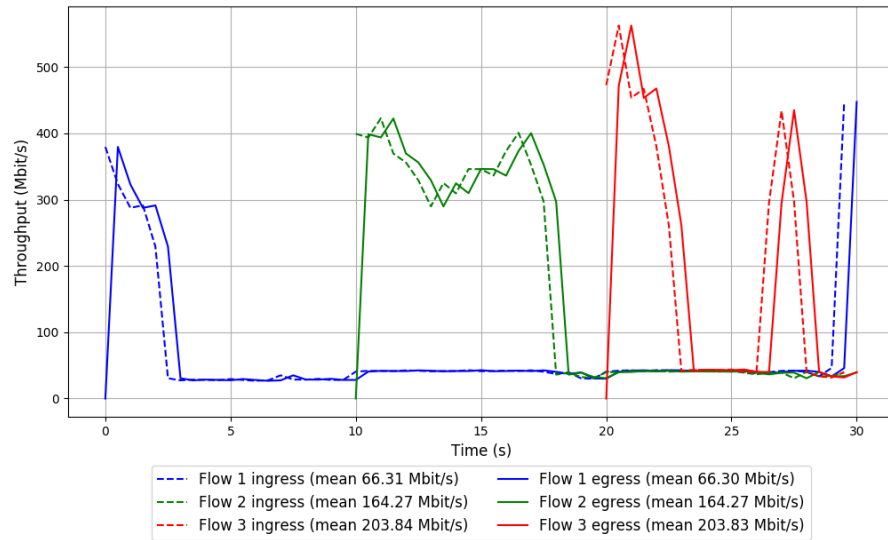
-- Flow 3:

Average throughput: 203.83 Mbit/s

95th percentile per-packet one-way delay: 1.146 ms

Loss rate: 0.01%

Run 4: Report of TCP Vegas — Data Link



Run 5: Statistics of TCP Vegas

Start at: 2019-08-27 01:44:45

End at: 2019-08-27 01:45:15

Local clock offset: 0.151 ms

Remote clock offset: 4.892 ms

Below is generated by plot.py at 2019-08-27 02:57:35

Datalink statistics

-- Total of 3 flows:

Average throughput: 469.71 Mbit/s

95th percentile per-packet one-way delay: 1.275 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 186.59 Mbit/s

95th percentile per-packet one-way delay: 1.212 ms

Loss rate: 0.01%

-- Flow 2:

Average throughput: 261.40 Mbit/s

95th percentile per-packet one-way delay: 1.314 ms

Loss rate: 0.00%

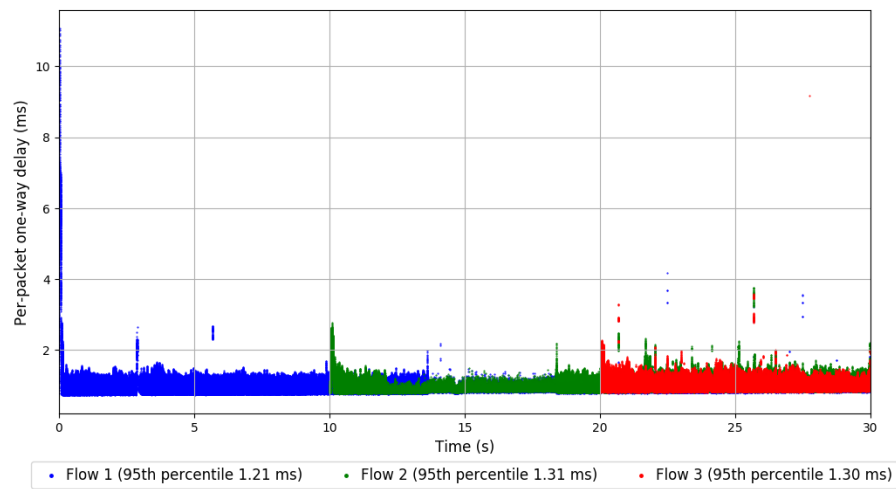
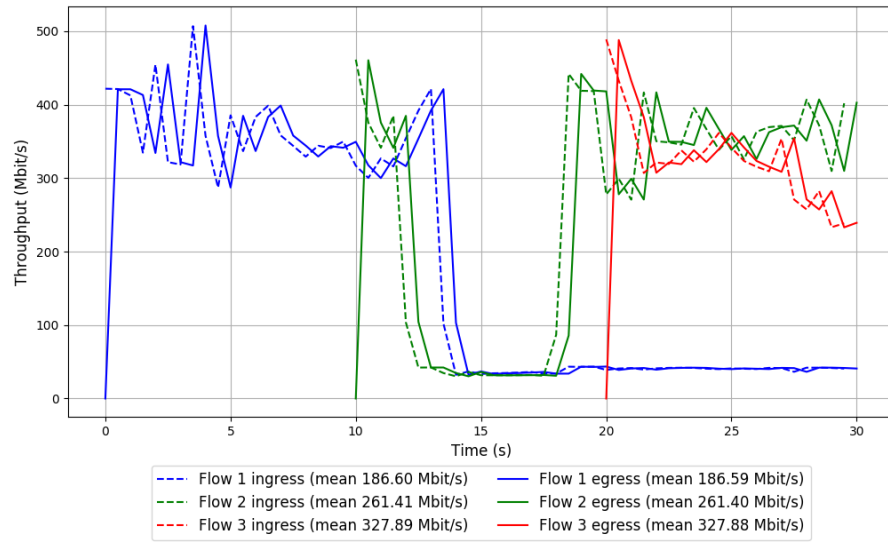
-- Flow 3:

Average throughput: 327.88 Mbit/s

95th percentile per-packet one-way delay: 1.300 ms

Loss rate: 0.00%

Run 5: Report of TCP Vegas — Data Link



Run 1: Statistics of Verus

Start at: 2019-08-26 23:18:37

End at: 2019-08-26 23:19:07

Local clock offset: -0.124 ms

Remote clock offset: 2.116 ms

Below is generated by plot.py at 2019-08-27 02:57:35

Datalink statistics

-- Total of 3 flows:

Average throughput: 218.79 Mbit/s

95th percentile per-packet one-way delay: 59.251 ms

Loss rate: 3.36%

-- Flow 1:

Average throughput: 110.83 Mbit/s

95th percentile per-packet one-way delay: 91.583 ms

Loss rate: 3.94%

-- Flow 2:

Average throughput: 96.22 Mbit/s

95th percentile per-packet one-way delay: 57.152 ms

Loss rate: 2.68%

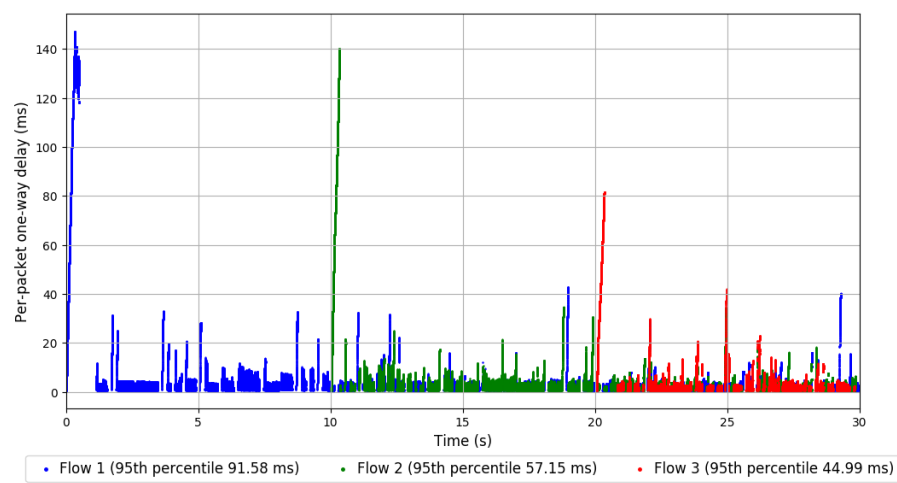
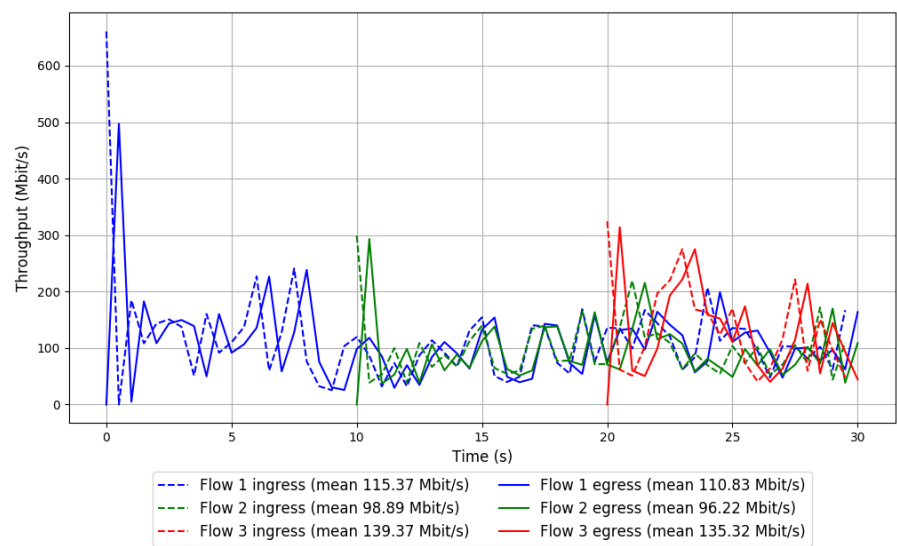
-- Flow 3:

Average throughput: 135.32 Mbit/s

95th percentile per-packet one-way delay: 44.995 ms

Loss rate: 2.89%

Run 1: Report of Verus — Data Link

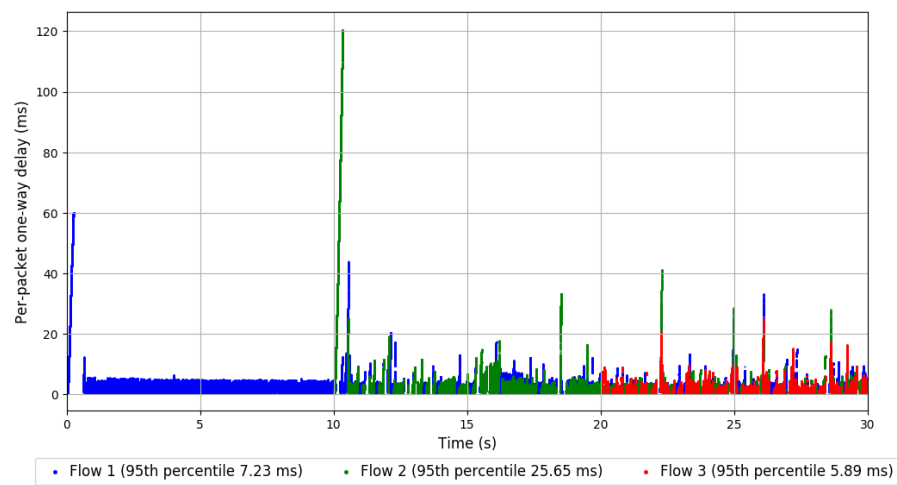
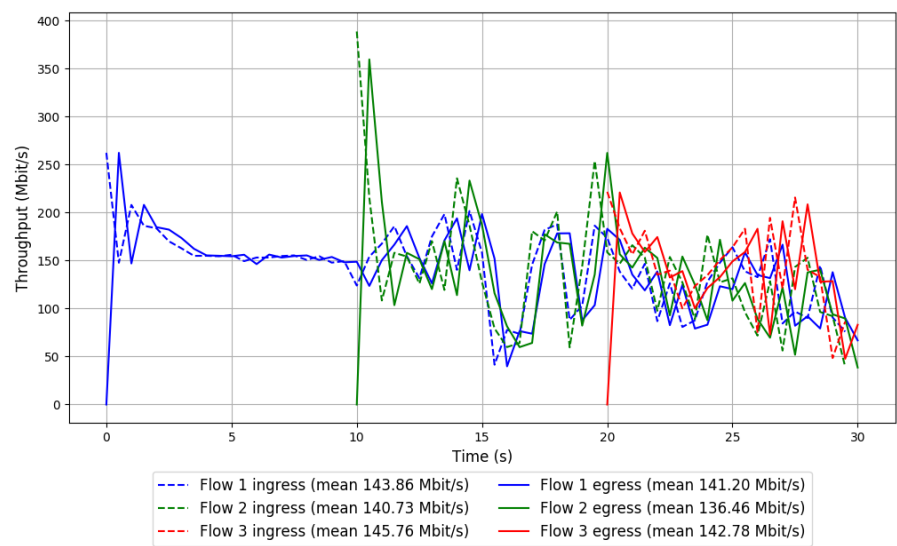


Run 2: Statistics of Verus

Start at: 2019-08-26 23:52:15
End at: 2019-08-26 23:52:45
Local clock offset: -0.348 ms
Remote clock offset: 3.761 ms

Below is generated by plot.py at 2019-08-27 02:57:35
Datalink statistics
-- Total of 3 flows:
Average throughput: 279.28 Mbit/s
95th percentile per-packet one-way delay: 8.713 ms
Loss rate: 2.27%
-- Flow 1:
Average throughput: 141.20 Mbit/s
95th percentile per-packet one-way delay: 7.232 ms
Loss rate: 1.85%
-- Flow 2:
Average throughput: 136.46 Mbit/s
95th percentile per-packet one-way delay: 25.653 ms
Loss rate: 3.03%
-- Flow 3:
Average throughput: 142.78 Mbit/s
95th percentile per-packet one-way delay: 5.894 ms
Loss rate: 2.04%

Run 2: Report of Verus — Data Link

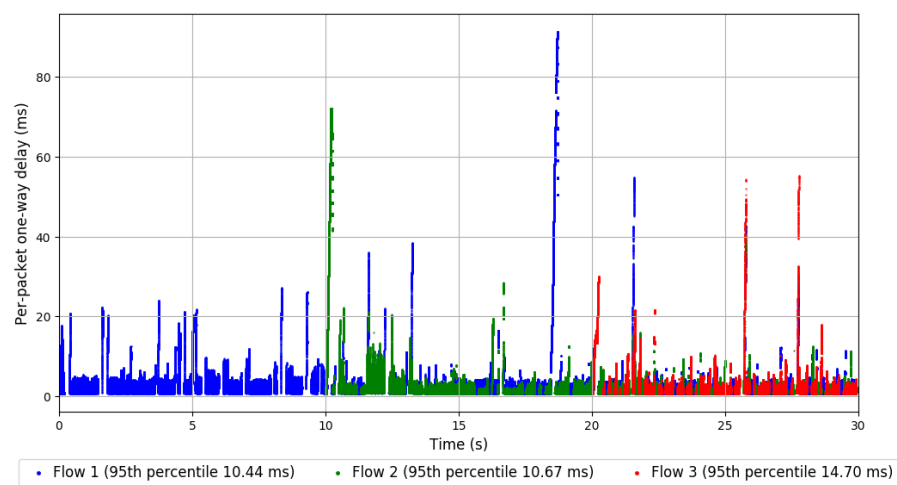
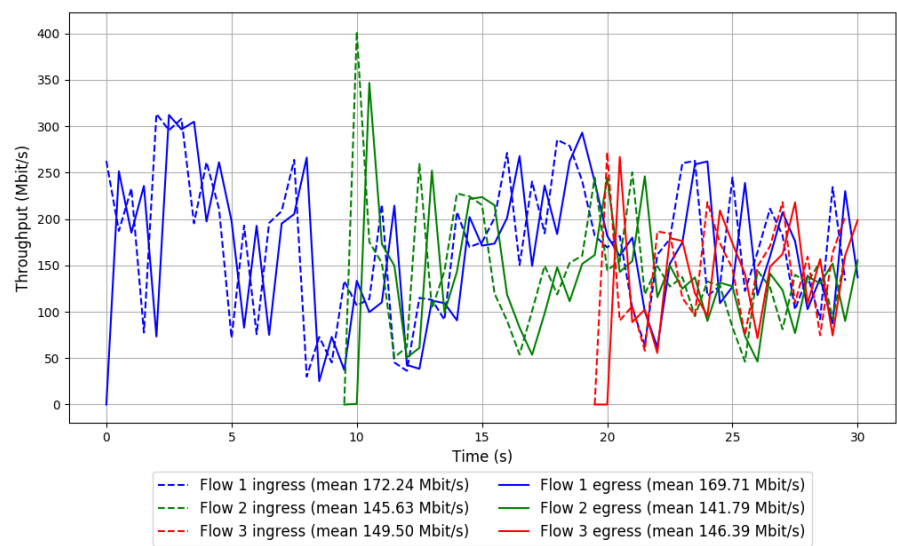


Run 3: Statistics of Verus

Start at: 2019-08-27 00:26:00
End at: 2019-08-27 00:26:30
Local clock offset: -0.542 ms
Remote clock offset: 1.725 ms

Below is generated by plot.py at 2019-08-27 02:58:18
Datalink statistics
-- Total of 3 flows:
Average throughput: 312.71 Mbit/s
95th percentile per-packet one-way delay: 11.504 ms
Loss rate: 1.92%
-- Flow 1:
Average throughput: 169.71 Mbit/s
95th percentile per-packet one-way delay: 10.438 ms
Loss rate: 1.47%
-- Flow 2:
Average throughput: 141.79 Mbit/s
95th percentile per-packet one-way delay: 10.674 ms
Loss rate: 2.63%
-- Flow 3:
Average throughput: 146.39 Mbit/s
95th percentile per-packet one-way delay: 14.702 ms
Loss rate: 2.07%

Run 3: Report of Verus — Data Link

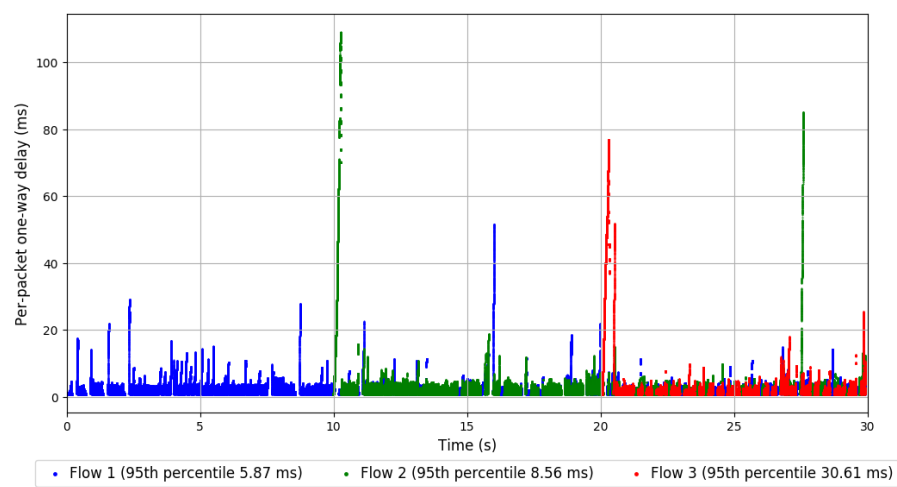
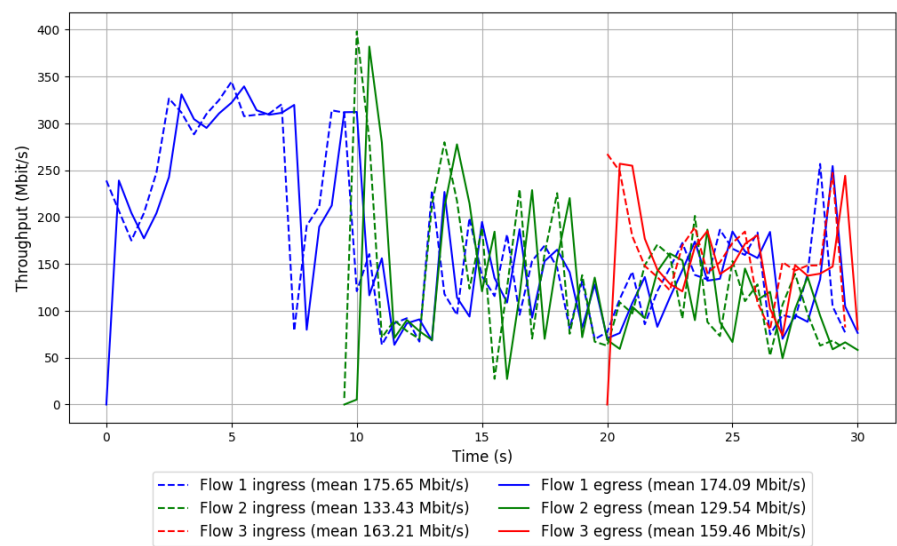


Run 4: Statistics of Verus

Start at: 2019-08-27 00:59:41
End at: 2019-08-27 01:00:11
Local clock offset: -0.639 ms
Remote clock offset: 3.524 ms

Below is generated by plot.py at 2019-08-27 02:58:35
Datalink statistics
-- Total of 3 flows:
Average throughput: 313.00 Mbit/s
95th percentile per-packet one-way delay: 7.332 ms
Loss rate: 1.65%
-- Flow 1:
Average throughput: 174.09 Mbit/s
95th percentile per-packet one-way delay: 5.872 ms
Loss rate: 0.87%
-- Flow 2:
Average throughput: 129.54 Mbit/s
95th percentile per-packet one-way delay: 8.562 ms
Loss rate: 2.87%
-- Flow 3:
Average throughput: 159.46 Mbit/s
95th percentile per-packet one-way delay: 30.607 ms
Loss rate: 2.20%

Run 4: Report of Verus — Data Link



Run 5: Statistics of Verus

Start at: 2019-08-27 01:33:15

End at: 2019-08-27 01:33:45

Local clock offset: -0.13 ms

Remote clock offset: 4.446 ms

Below is generated by plot.py at 2019-08-27 02:58:44

Datalink statistics

-- Total of 3 flows:

Average throughput: 323.99 Mbit/s

95th percentile per-packet one-way delay: 13.856 ms

Loss rate: 1.13%

-- Flow 1:

Average throughput: 185.03 Mbit/s

95th percentile per-packet one-way delay: 16.386 ms

Loss rate: 0.94%

-- Flow 2:

Average throughput: 154.35 Mbit/s

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

Loss rate: 0.82%

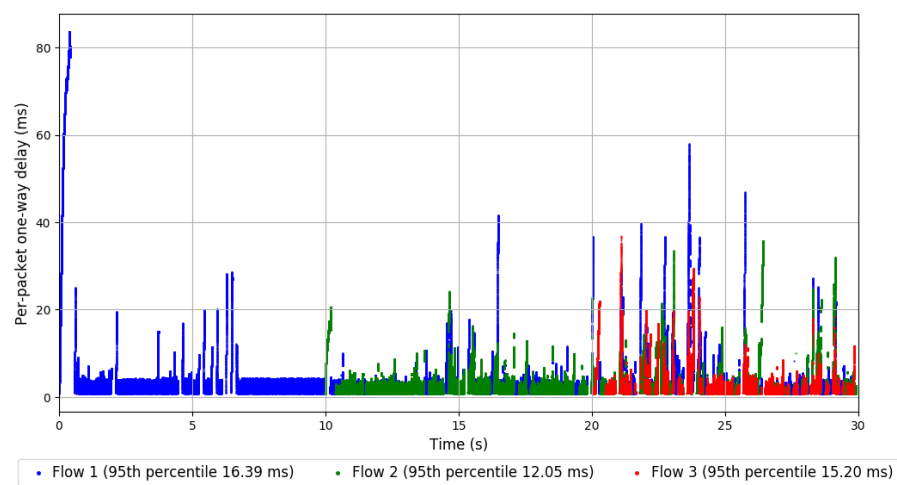
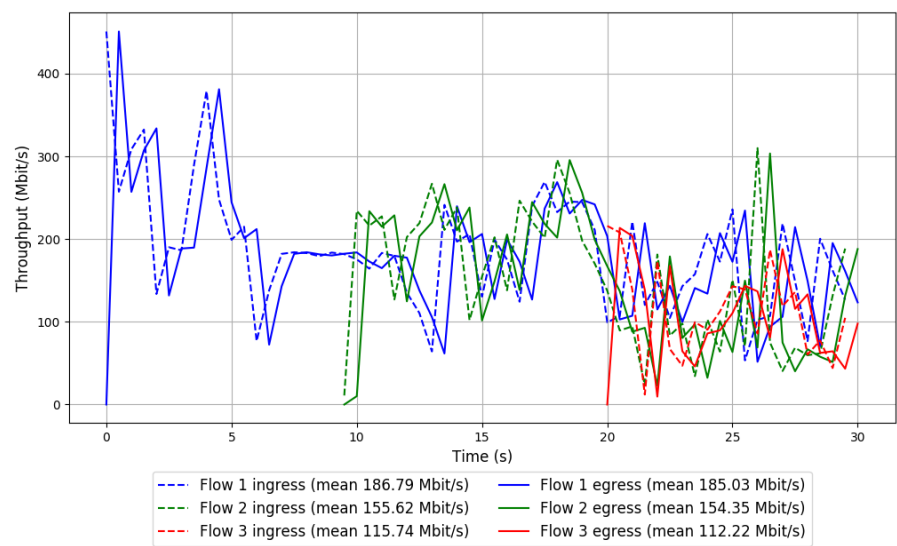
-- Flow 3:

Average throughput: 112.22 Mbit/s

95th percentile per-packet one-way delay: 15.196 ms

Loss rate: 2.94%

Run 5: Report of Verus — Data Link



Run 1: Statistics of PCC-Vivace

Start at: 2019-08-26 23:27:01

End at: 2019-08-26 23:27:31

Local clock offset: -0.203 ms

Remote clock offset: 2.636 ms

Below is generated by plot.py at 2019-08-27 02:59:52

Datalink statistics

-- Total of 3 flows:

Average throughput: 412.56 Mbit/s

95th percentile per-packet one-way delay: 2.195 ms

Loss rate: 0.03%

-- Flow 1:

Average throughput: 220.33 Mbit/s

95th percentile per-packet one-way delay: 1.355 ms

Loss rate: 0.03%

-- Flow 2:

Average throughput: 192.66 Mbit/s

95th percentile per-packet one-way delay: 1.490 ms

Loss rate: 0.03%

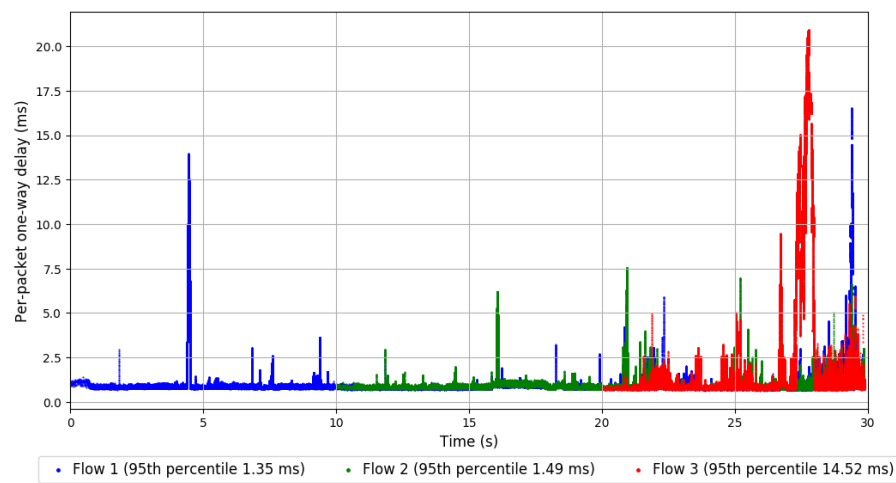
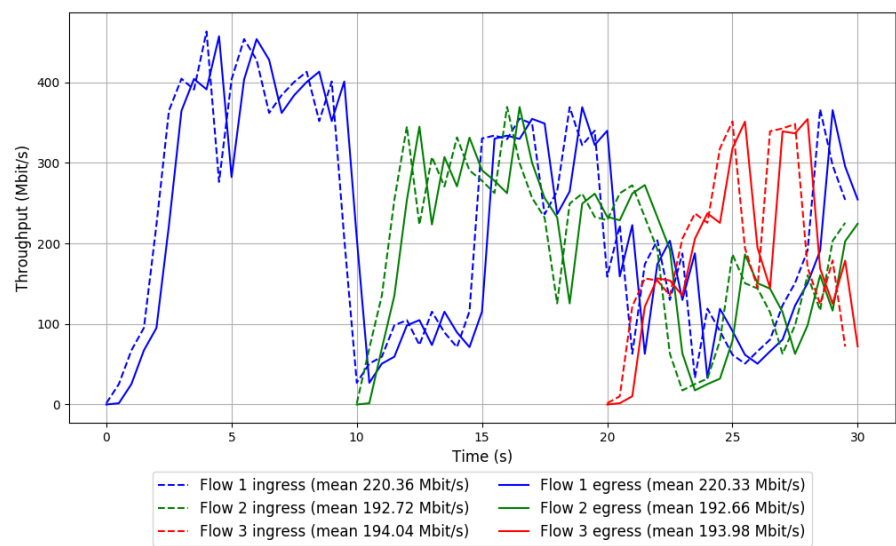
-- Flow 3:

Average throughput: 193.98 Mbit/s

95th percentile per-packet one-way delay: 14.524 ms

Loss rate: 0.04%

Run 1: Report of PCC-Vivace — Data Link



Run 2: Statistics of PCC-Vivace

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

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

Local clock offset: -0.414 ms

Remote clock offset: 4.055 ms

Below is generated by plot.py at 2019-08-27 02:59:59

Datalink statistics

-- Total of 3 flows:

Average throughput: 380.15 Mbit/s

95th percentile per-packet one-way delay: 104.783 ms

Loss rate: 0.23%

-- Flow 1:

Average throughput: 194.33 Mbit/s

95th percentile per-packet one-way delay: 4.645 ms

Loss rate: 0.21%

-- Flow 2:

Average throughput: 130.58 Mbit/s

95th percentile per-packet one-way delay: 52.791 ms

Loss rate: 0.02%

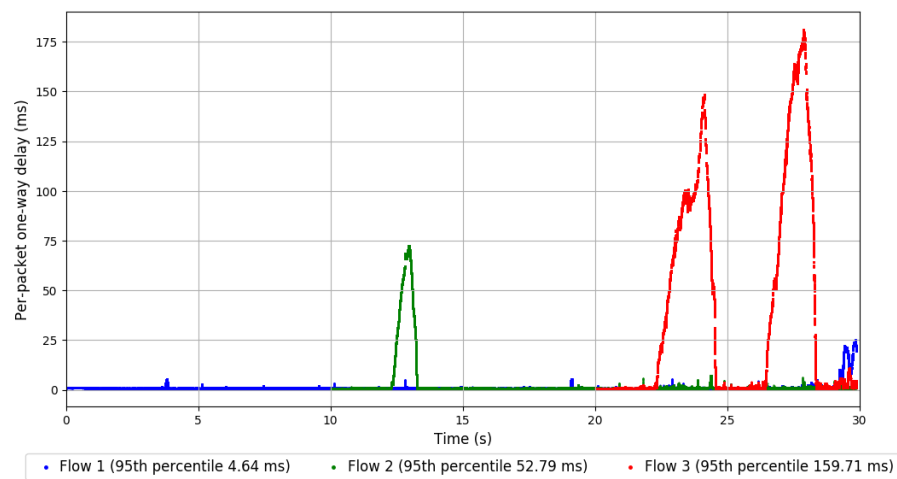
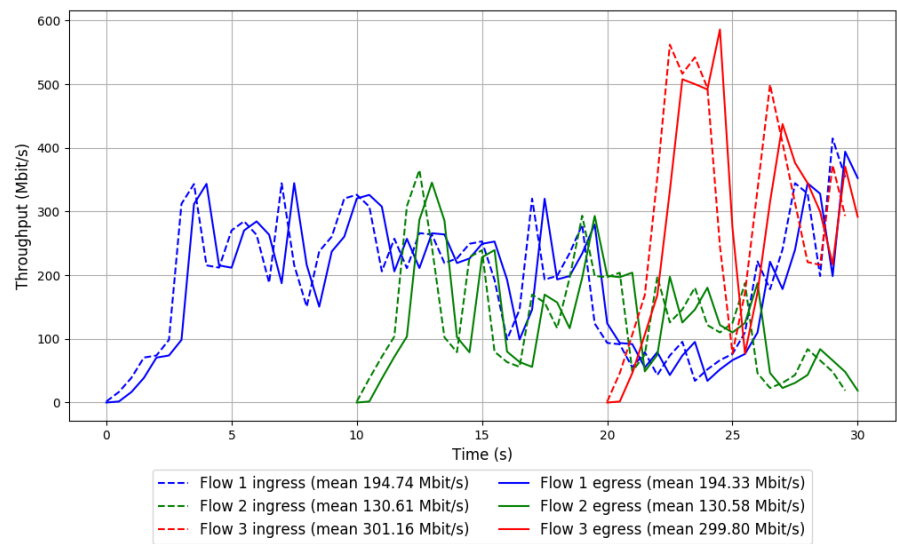
-- Flow 3:

Average throughput: 299.80 Mbit/s

95th percentile per-packet one-way delay: 159.711 ms

Loss rate: 0.44%

Run 2: Report of PCC-Vivace — Data Link



Run 3: Statistics of PCC-Vivace

Start at: 2019-08-27 00:34:29

End at: 2019-08-27 00:34:59

Local clock offset: -0.622 ms

Remote clock offset: 1.965 ms

Below is generated by plot.py at 2019-08-27 03:00:10

Datalink statistics

-- Total of 3 flows:

Average throughput: 414.09 Mbit/s

95th percentile per-packet one-way delay: 154.342 ms

Loss rate: 0.97%

-- Flow 1:

Average throughput: 188.92 Mbit/s

95th percentile per-packet one-way delay: 167.241 ms

Loss rate: 1.11%

-- Flow 2:

Average throughput: 259.29 Mbit/s

95th percentile per-packet one-way delay: 128.487 ms

Loss rate: 0.16%

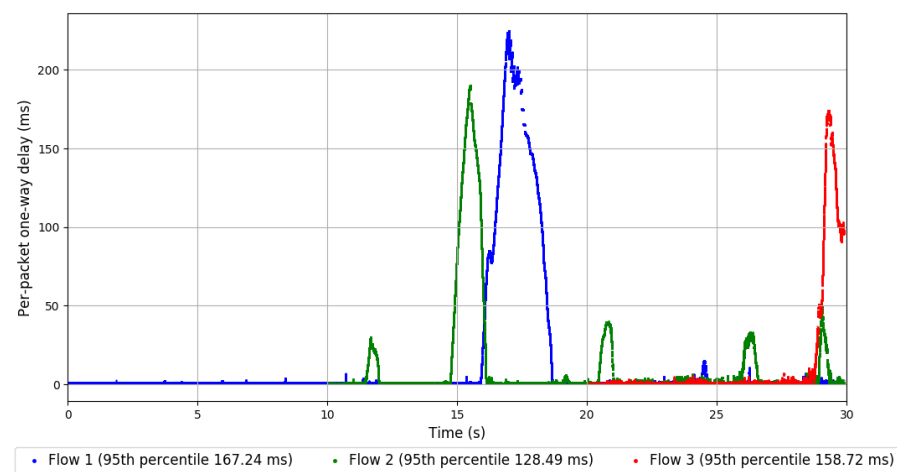
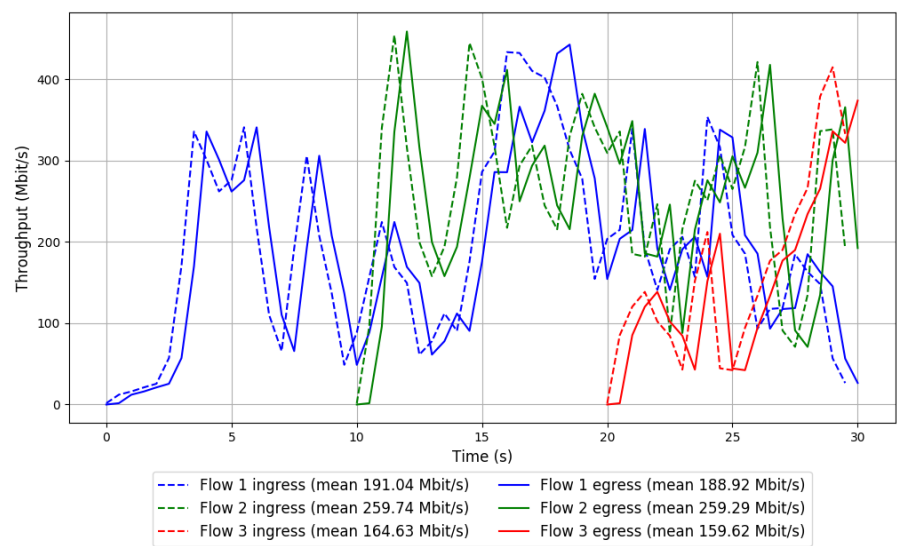
-- Flow 3:

Average throughput: 159.62 Mbit/s

95th percentile per-packet one-way delay: 158.722 ms

Loss rate: 3.04%

Run 3: Report of PCC-Vivace — Data Link



Run 4: Statistics of PCC-Vivace

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

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

Local clock offset: -0.588 ms

Remote clock offset: 3.828 ms

Below is generated by plot.py at 2019-08-27 03:00:43

Datalink statistics

-- Total of 3 flows:

Average throughput: 432.88 Mbit/s

95th percentile per-packet one-way delay: 94.070 ms

Loss rate: 0.54%

-- Flow 1:

Average throughput: 208.76 Mbit/s

95th percentile per-packet one-way delay: 148.507 ms

Loss rate: 0.76%

-- Flow 2:

Average throughput: 281.83 Mbit/s

95th percentile per-packet one-way delay: 90.834 ms

Loss rate: 0.30%

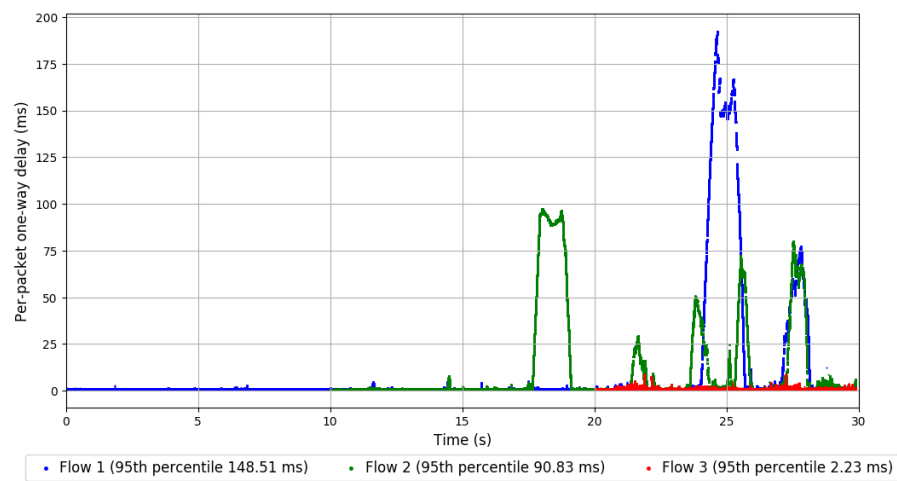
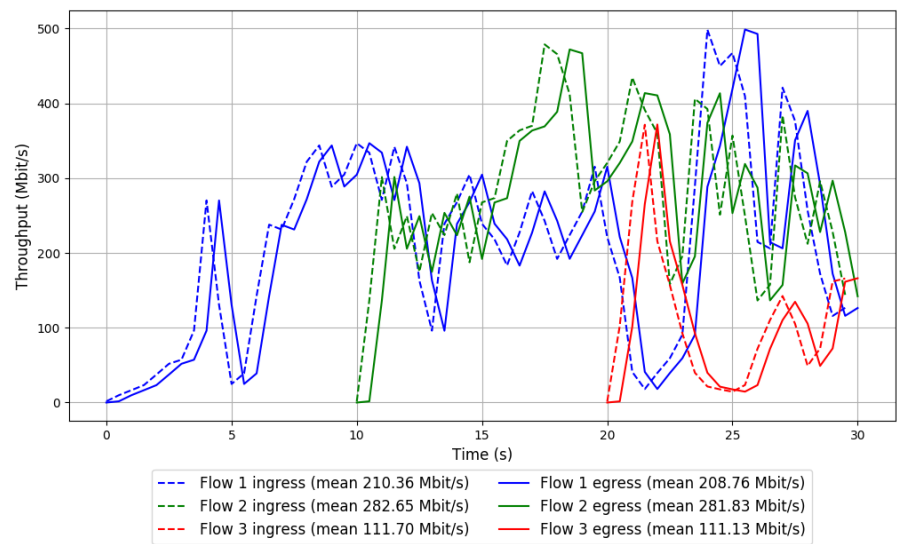
-- Flow 3:

Average throughput: 111.13 Mbit/s

95th percentile per-packet one-way delay: 2.233 ms

Loss rate: 0.55%

Run 4: Report of PCC-Vivace — Data Link



Run 5: Statistics of PCC-Vivace

Start at: 2019-08-27 01:41:48

End at: 2019-08-27 01:42:18

Local clock offset: 0.084 ms

Remote clock offset: 4.915 ms

Below is generated by plot.py at 2019-08-27 03:00:44

Datalink statistics

-- Total of 3 flows:

Average throughput: 414.80 Mbit/s

95th percentile per-packet one-way delay: 3.410 ms

Loss rate: 0.10%

-- Flow 1:

Average throughput: 232.04 Mbit/s

95th percentile per-packet one-way delay: 8.143 ms

Loss rate: 0.05%

-- Flow 2:

Average throughput: 207.12 Mbit/s

95th percentile per-packet one-way delay: 1.997 ms

Loss rate: 0.14%

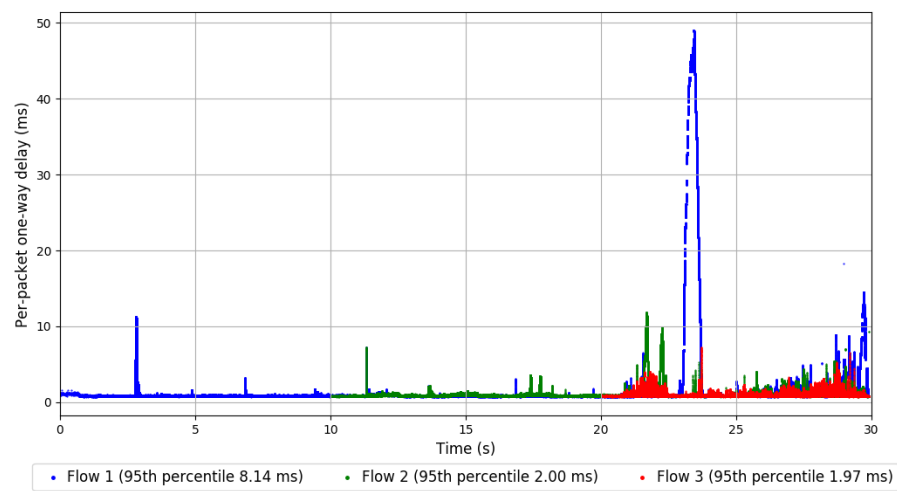
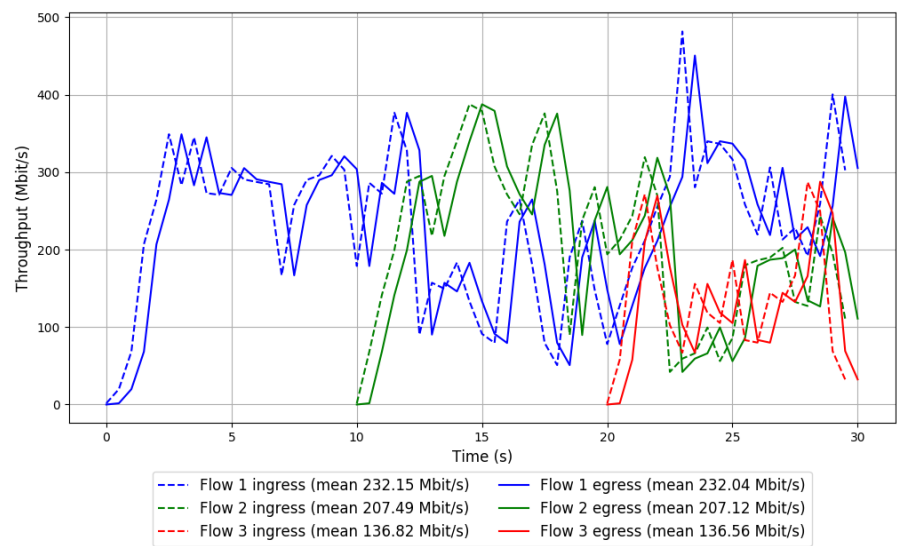
-- Flow 3:

Average throughput: 136.56 Mbit/s

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

Loss rate: 0.20%

Run 5: Report of PCC-Vivace — Data Link



Run 1: Statistics of WebRTC media

Start at: 2019-08-26 23:31:24

End at: 2019-08-26 23:31:54

Local clock offset: -0.197 ms

Remote clock offset: 2.929 ms

Below is generated by plot.py at 2019-08-27 03:00:44

Datalink statistics

-- Total of 3 flows:

Average throughput: 4.22 Mbit/s

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

Loss rate: 0.00%

-- Flow 1:

Average throughput: 2.16 Mbit/s

95th percentile per-packet one-way delay: 1.093 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 1.46 Mbit/s

95th percentile per-packet one-way delay: 1.043 ms

Loss rate: 0.00%

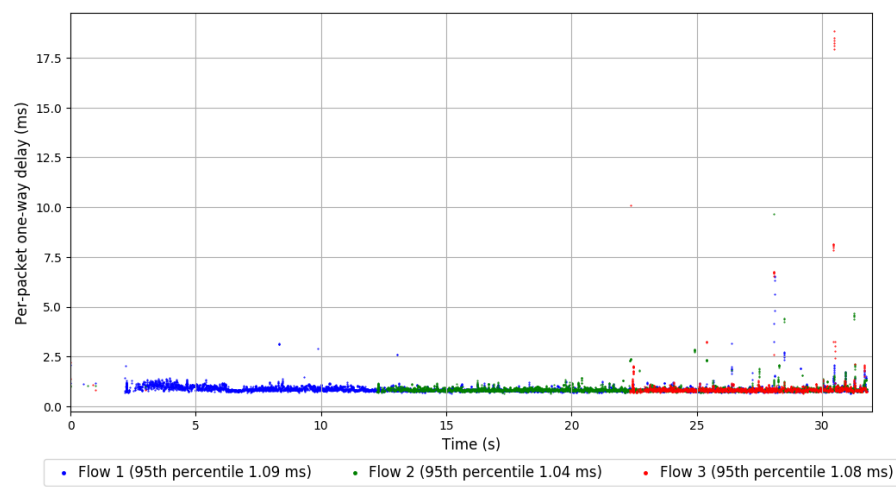
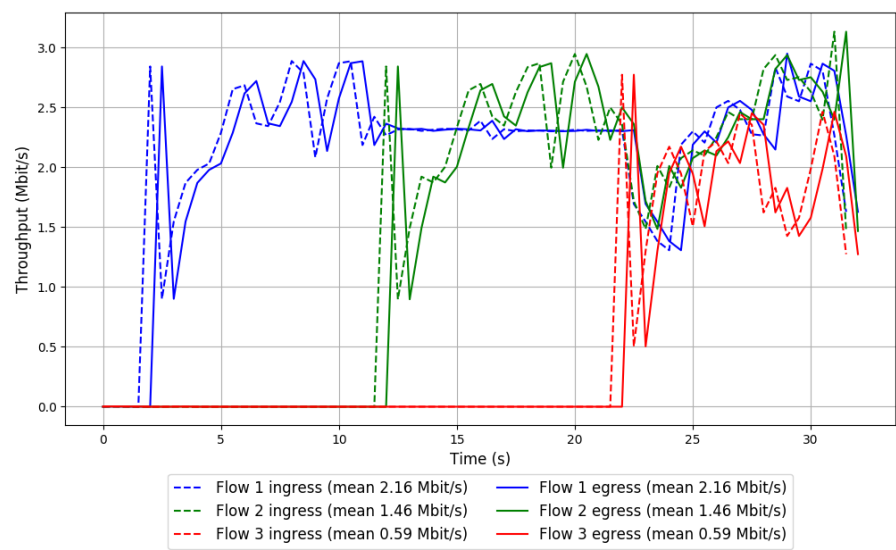
-- Flow 3:

Average throughput: 0.59 Mbit/s

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

Loss rate: 0.00%

Run 1: Report of WebRTC media — Data Link



Run 2: Statistics of WebRTC media

Start at: 2019-08-27 00:05:06

End at: 2019-08-27 00:05:36

Local clock offset: -0.436 ms

Remote clock offset: 2.79 ms

Below is generated by plot.py at 2019-08-27 03:00:44

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.14 Mbit/s

95th percentile per-packet one-way delay: 3.864 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 0.05 Mbit/s

95th percentile per-packet one-way delay: 7.518 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 0.05 Mbit/s

95th percentile per-packet one-way delay: 2.097 ms

Loss rate: 0.00%

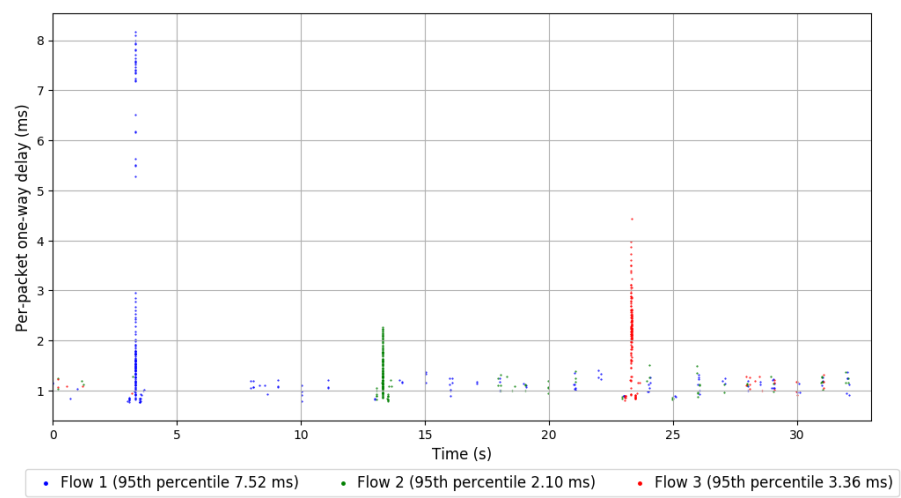
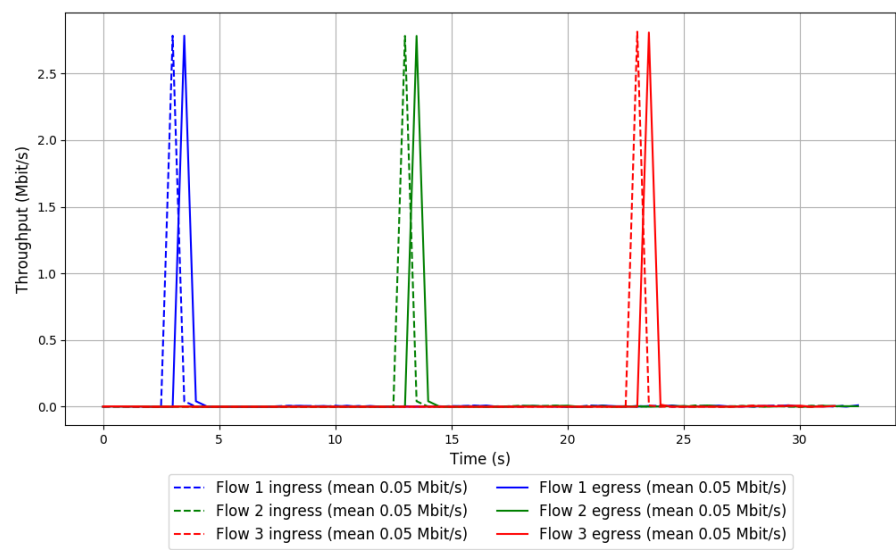
-- Flow 3:

Average throughput: 0.05 Mbit/s

95th percentile per-packet one-way delay: 3.361 ms

Loss rate: 0.00%

Run 2: Report of WebRTC media — Data Link



Run 3: Statistics of WebRTC media

Start at: 2019-08-27 00:38:47

End at: 2019-08-27 00:39:17

Local clock offset: -0.67 ms

Remote clock offset: 2.533 ms

Below is generated by plot.py at 2019-08-27 03:00:44

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.14 Mbit/s

95th percentile per-packet one-way delay: 4.042 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 0.05 Mbit/s

95th percentile per-packet one-way delay: 3.279 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 0.05 Mbit/s

95th percentile per-packet one-way delay: 5.263 ms

Loss rate: 0.00%

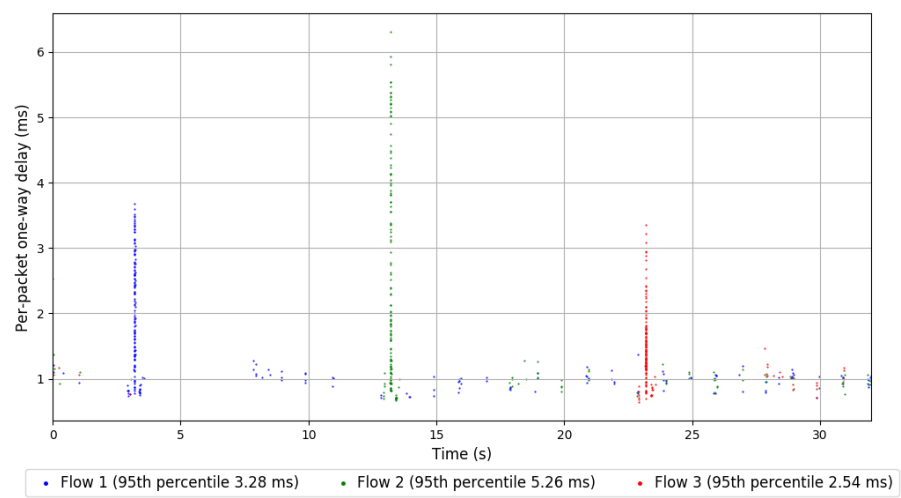
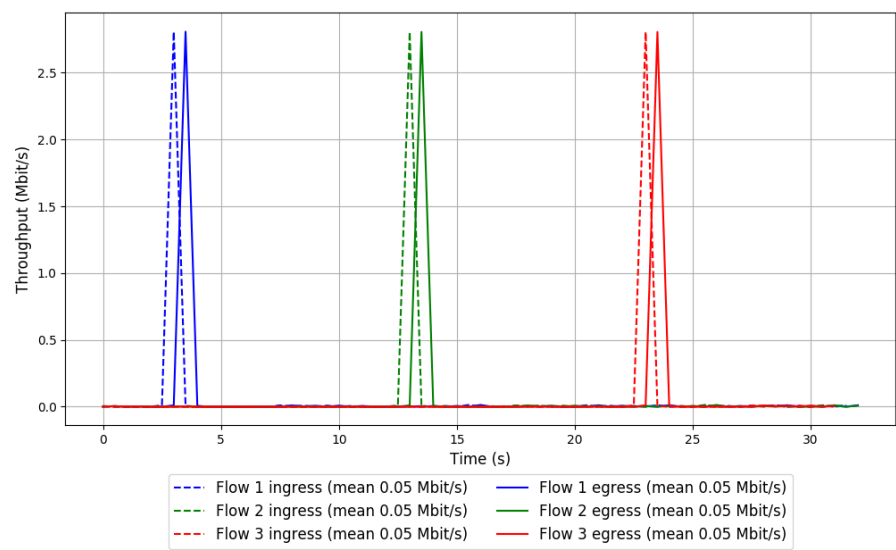
-- Flow 3:

Average throughput: 0.05 Mbit/s

95th percentile per-packet one-way delay: 2.542 ms

Loss rate: 0.00%

Run 3: Report of WebRTC media — Data Link



Run 4: Statistics of WebRTC media

Start at: 2019-08-27 01:12:32

End at: 2019-08-27 01:13:02

Local clock offset: -0.57 ms

Remote clock offset: 3.78 ms

Below is generated by plot.py at 2019-08-27 03:00:44

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.14 Mbit/s

95th percentile per-packet one-way delay: 5.057 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 0.05 Mbit/s

95th percentile per-packet one-way delay: 3.165 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 0.05 Mbit/s

95th percentile per-packet one-way delay: 3.505 ms

Loss rate: 0.00%

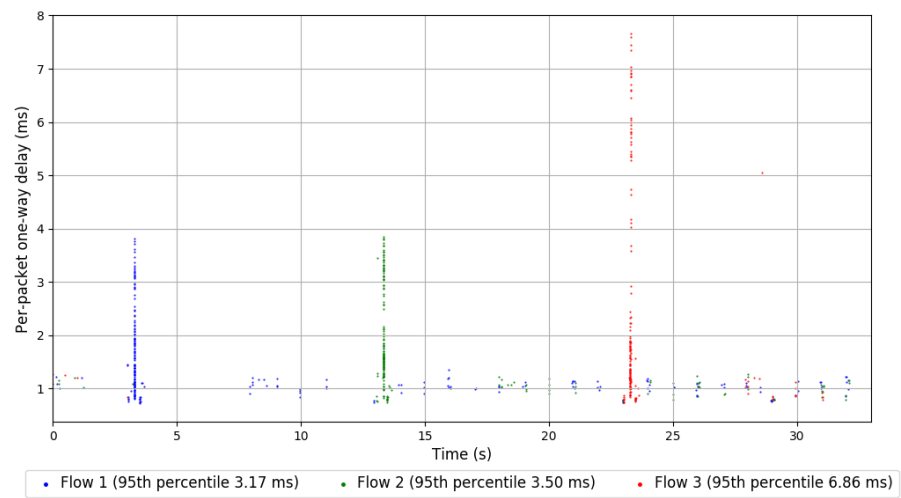
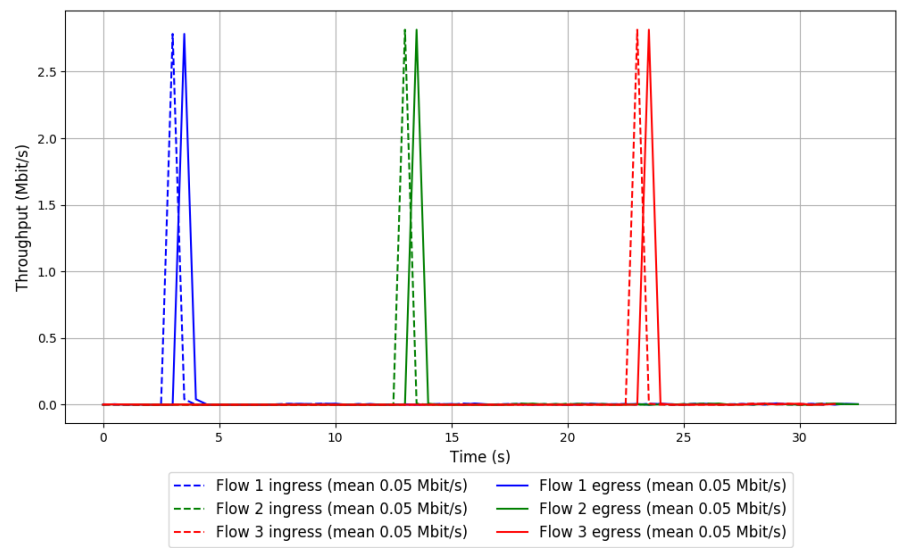
-- Flow 3:

Average throughput: 0.05 Mbit/s

95th percentile per-packet one-way delay: 6.856 ms

Loss rate: 0.00%

Run 4: Report of WebRTC media — Data Link



Run 5: Statistics of WebRTC media

Start at: 2019-08-27 01:46:15

End at: 2019-08-27 01:46:45

Local clock offset: 0.201 ms

Remote clock offset: 4.646 ms

Below is generated by plot.py at 2019-08-27 03:00:44

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.13 Mbit/s

95th percentile per-packet one-way delay: 4.368 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 0.05 Mbit/s

95th percentile per-packet one-way delay: 3.687 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 0.05 Mbit/s

95th percentile per-packet one-way delay: 3.606 ms

Loss rate: 0.00%

-- Flow 3:

Average throughput: 0.04 Mbit/s

95th percentile per-packet one-way delay: 6.015 ms

Loss rate: 0.00%

Run 5: Report of WebRTC media — Data Link

