

Pantheon Report

Generated at 2019-10-03 06:54:39 (UTC).

Data path: AWS California 2 on **ens5** (*local*) → Mexico on **em1** (*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:

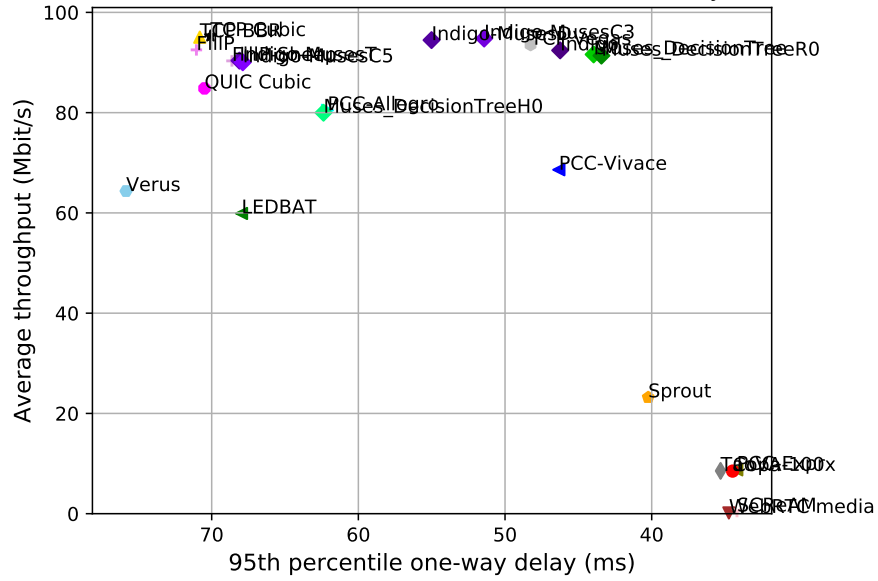
```
Linux 4.15.0-1050-aws
net.core.default_qdisc = fq
net.core.rmem_default = 16777216
net.core.rmem_max = 536870912
net.core.wmem_default = 16777216
net.core.wmem_max = 536870912
net.ipv4.tcp_rmem = 4096 16777216 536870912
net.ipv4.tcp_wmem = 4096 16777216 536870912
```

Git summary:

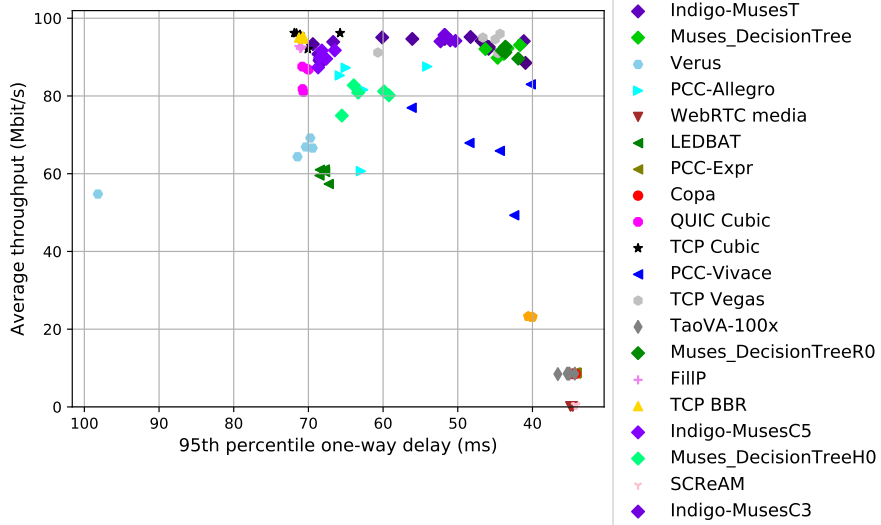
```
branch: muses @ de42328552b3776a75a932a94dfafd722537b0ec
third_party/fillp @ d6da1459332fcee56963885d7eba17e6a32d4519
third_party/fillp-sheep @ 0e5bb722943babcd2b090d2c64fcd45e12e923f9
third_party/genericCC @ d0153f8e594aa89e93b032143cedbdf58e562f4
third_party/indigo @ 2601c92e4aa9d58d38dc4dfe0ecd90c077e64d
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 2 to Mexico, 5 runs of 30s each per scheme
3 flows with 10s interval between flows (mean of all runs by scheme)



test from AWS California 2 to Mexico, 5 runs of 30s each per scheme
3 flows with 10s interval between flows



scheme	# runs	mean avg tput (Mbit/s)			mean 95th-%ile delay (ms)			mean loss rate (%)		
		flow 1	flow 2	flow 3	flow 1	flow 2	flow 3	flow 1	flow 2	flow 3
TCP BBR	5	63.10	32.56	30.96	70.35	71.45	71.56	8.56	11.14	12.77
Copa	5	0.04	9.90	5.73	34.05	35.07	34.22	95.07	59.40	66.52
TCP Cubic	5	78.08	17.69	16.31	69.90	70.52	70.83	0.90	0.64	0.64
FillP	5	57.79	40.93	22.94	69.27	72.45	71.64	29.24	46.87	53.67
FillP-Sheep	5	56.97	41.56	17.25	66.87	70.18	68.93	9.09	16.62	17.23
Indigo	5	66.09	25.09	29.61	44.33	48.04	50.46	0.02	0.02	0.00
Indigo-MusesC3	5	57.60	42.24	34.59	47.67	51.82	59.79	0.22	0.50	1.96
Indigo-MusesC5	5	59.91	45.33	2.80	66.21	69.53	69.20	13.98	24.08	27.25
Indigo-MusesD	5	60.76	44.32	17.32	46.38	56.31	63.45	2.20	6.71	10.40
Indigo-MusesT	5	60.78	43.76	4.37	66.14	69.95	69.47	15.89	28.31	25.73
LEDBAT	5	38.40	21.42	21.83	66.45	69.60	59.52	0.13	0.42	0.00
Muses_DecisionTree	5	54.03	32.25	50.18	42.51	45.68	47.07	0.16	0.20	0.27
Muses_DecisionTreeH0	5	57.63	26.04	15.66	62.21	62.51	61.50	5.04	6.12	5.30
Muses_DecisionTreeR0	5	45.83	50.45	37.48	41.78	44.80	44.50	0.08	0.09	0.09
PCC-Allegro	5	61.63	24.18	8.38	59.71	63.46	65.83	1.42	1.42	1.84
PCC-Expr	5	0.03	10.17	6.01	34.11	34.19	34.23	85.71	36.52	31.25
QUIC Cubic	5	63.73	23.94	15.88	70.41	70.64	70.59	2.57	1.54	1.68
SCReAM	5	0.21	0.21	0.22	34.14	34.17	34.18	0.00	0.00	0.00
Sprout	5	11.74	11.53	11.49	40.10	40.18	40.64	0.01	0.01	0.01
TaoVA-100x	5	0.00	9.87	5.94	34.01	35.04	35.96	95.92	83.14	57.49
TCP Vegas	5	76.66	17.51	15.72	48.19	47.74	44.23	0.43	0.00	0.01
Verus	5	41.25	24.11	25.31	76.57	69.94	63.06	48.59	38.78	35.89
PCC-Vivace	5	52.16	19.81	9.92	44.98	47.31	49.04	0.07	0.08	0.10
WebRTC media	5	0.05	0.06	0.06	34.65	34.74	34.81	0.00	0.01	0.00

Run 1: Statistics of TCP BBR

Start at: 2019-10-02 23:15:41

End at: 2019-10-02 23:16:11

Local clock offset: -0.374 ms

Remote clock offset: 6.995 ms

Below is generated by plot.py at 2019-10-03 06:42:23

Datalink statistics

-- Total of 3 flows:

Average throughput: 95.04 Mbit/s

95th percentile per-packet one-way delay: 70.657 ms

Loss rate: 8.53%

-- Flow 1:

Average throughput: 65.10 Mbit/s

95th percentile per-packet one-way delay: 69.775 ms

Loss rate: 7.49%

-- Flow 2:

Average throughput: 25.46 Mbit/s

95th percentile per-packet one-way delay: 71.789 ms

Loss rate: 10.29%

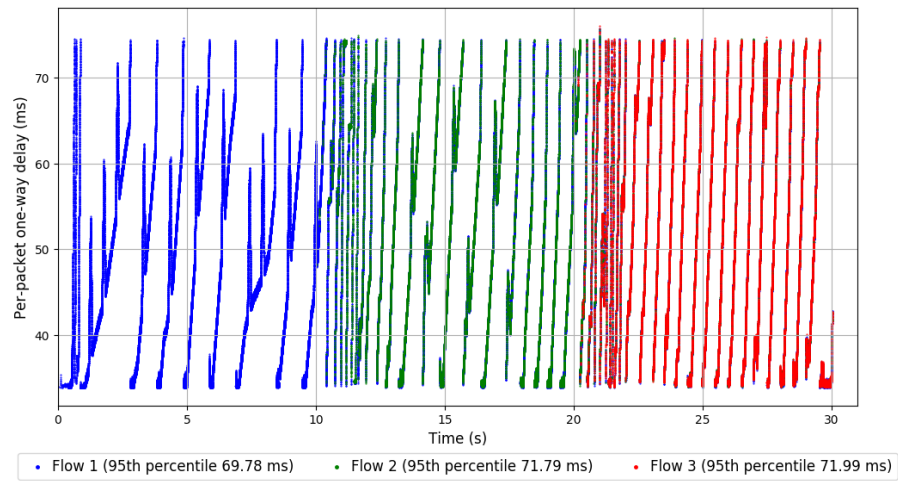
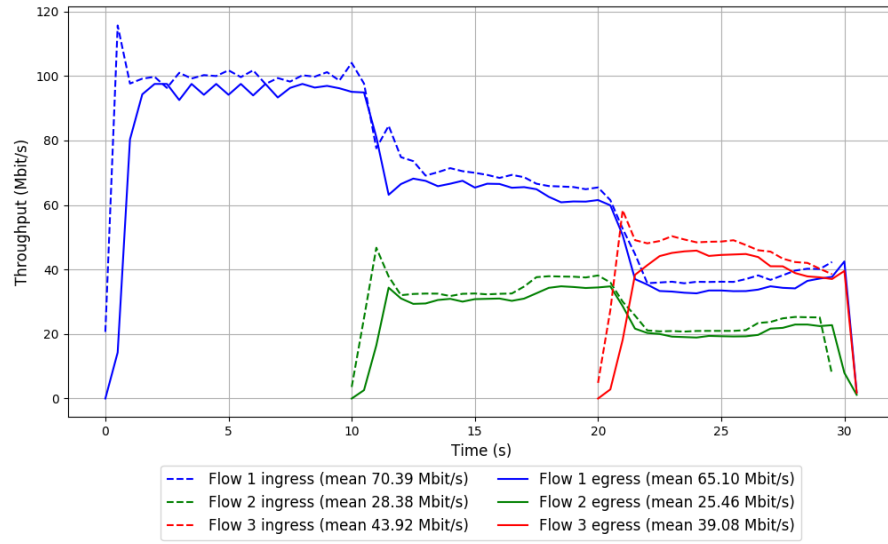
-- Flow 3:

Average throughput: 39.08 Mbit/s

95th percentile per-packet one-way delay: 71.994 ms

Loss rate: 11.23%

Run 1: Report of TCP BBR — Data Link



Run 2: Statistics of TCP BBR

Start at: 2019-10-03 00:38:33

End at: 2019-10-03 00:39:03

Local clock offset: -0.475 ms

Remote clock offset: 7.593 ms

Below is generated by plot.py at 2019-10-03 06:42:25

Datalink statistics

-- Total of 3 flows:

Average throughput: 95.04 Mbit/s

95th percentile per-packet one-way delay: 71.257 ms

Loss rate: 11.30%

-- Flow 1:

Average throughput: 59.85 Mbit/s

95th percentile per-packet one-way delay: 70.917 ms

Loss rate: 9.40%

-- Flow 2:

Average throughput: 29.72 Mbit/s

95th percentile per-packet one-way delay: 71.613 ms

Loss rate: 12.09%

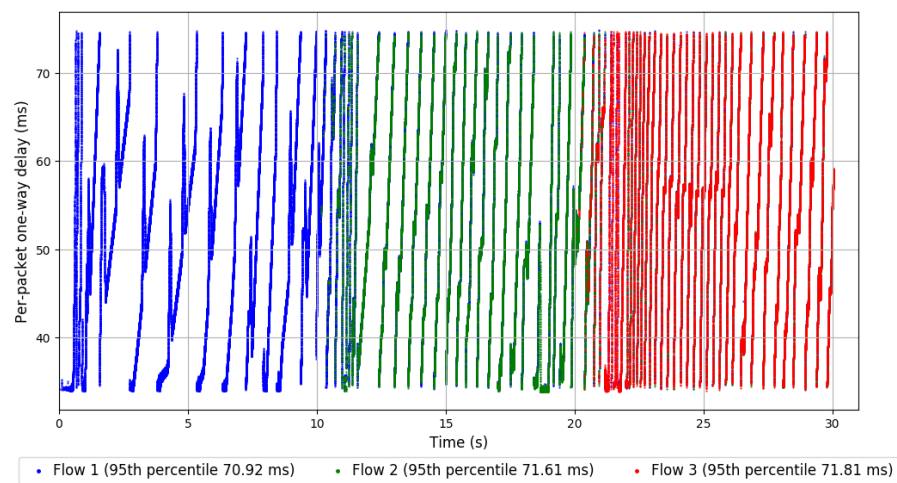
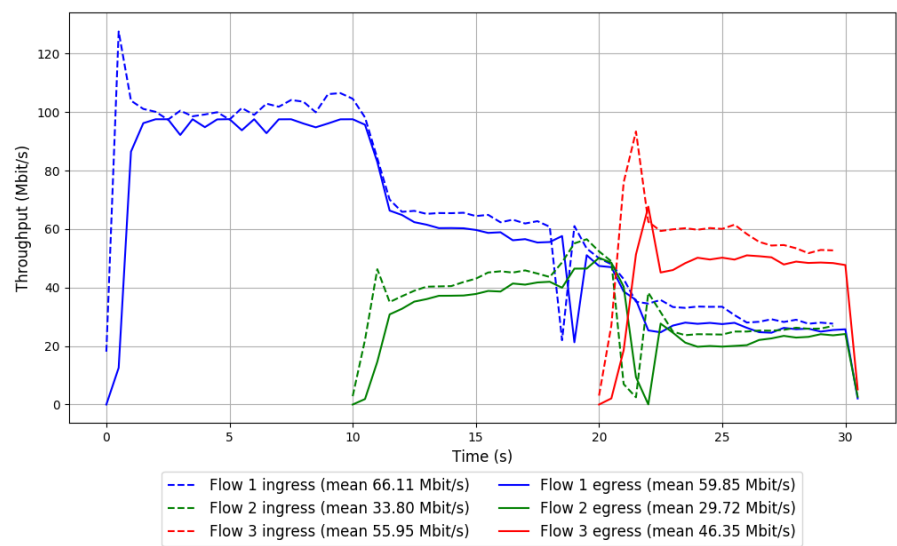
-- Flow 3:

Average throughput: 46.35 Mbit/s

95th percentile per-packet one-way delay: 71.806 ms

Loss rate: 17.10%

Run 2: Report of TCP BBR — Data Link

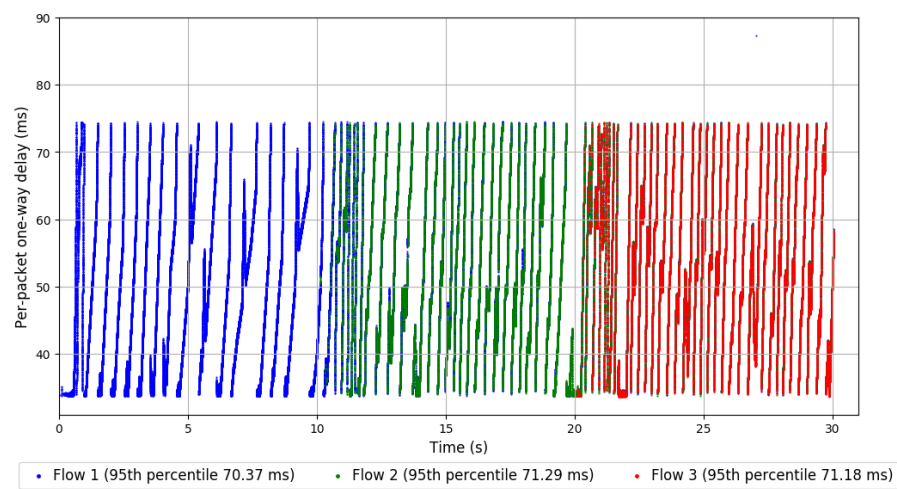
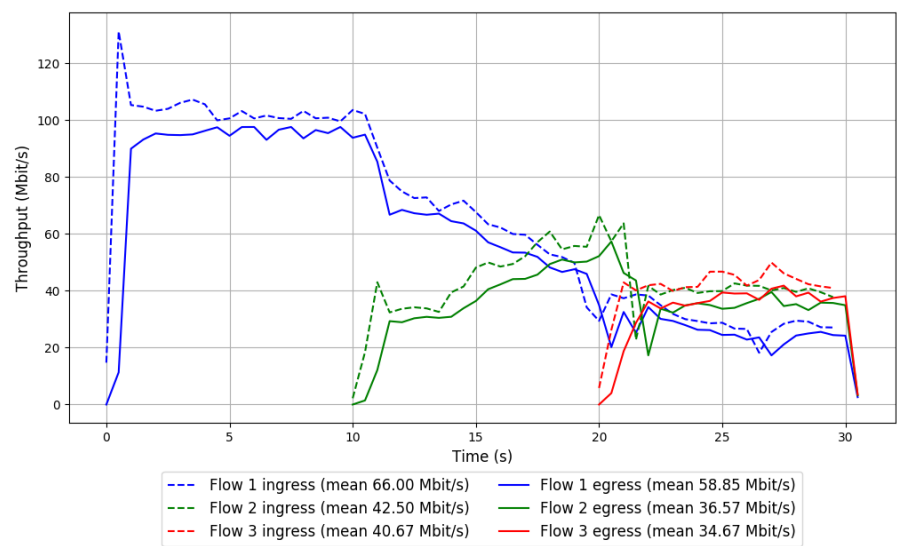


Run 3: Statistics of TCP BBR

Start at: 2019-10-03 03:06:05
End at: 2019-10-03 03:06:35
Local clock offset: 1.037 ms
Remote clock offset: 10.671 ms

Below is generated by plot.py at 2019-10-03 06:42:25
Datalink statistics
-- Total of 3 flows:
Average throughput: 94.75 Mbit/s
95th percentile per-packet one-way delay: 70.740 ms
Loss rate: 12.06%
-- Flow 1:
Average throughput: 58.85 Mbit/s
95th percentile per-packet one-way delay: 70.368 ms
Loss rate: 10.77%
-- Flow 2:
Average throughput: 36.57 Mbit/s
95th percentile per-packet one-way delay: 71.293 ms
Loss rate: 13.90%
-- Flow 3:
Average throughput: 34.67 Mbit/s
95th percentile per-packet one-way delay: 71.180 ms
Loss rate: 14.54%

Run 3: Report of TCP BBR — Data Link



Run 4: Statistics of TCP BBR

Start at: 2019-10-03 04:50:05

End at: 2019-10-03 04:50:35

Local clock offset: 0.168 ms

Remote clock offset: 7.37 ms

Below is generated by plot.py at 2019-10-03 06:42:25

Datalink statistics

-- Total of 3 flows:

Average throughput: 95.37 Mbit/s

95th percentile per-packet one-way delay: 70.727 ms

Loss rate: 8.83%

-- Flow 1:

Average throughput: 66.64 Mbit/s

95th percentile per-packet one-way delay: 70.479 ms

Loss rate: 8.00%

-- Flow 2:

Average throughput: 27.59 Mbit/s

95th percentile per-packet one-way delay: 71.092 ms

Loss rate: 10.08%

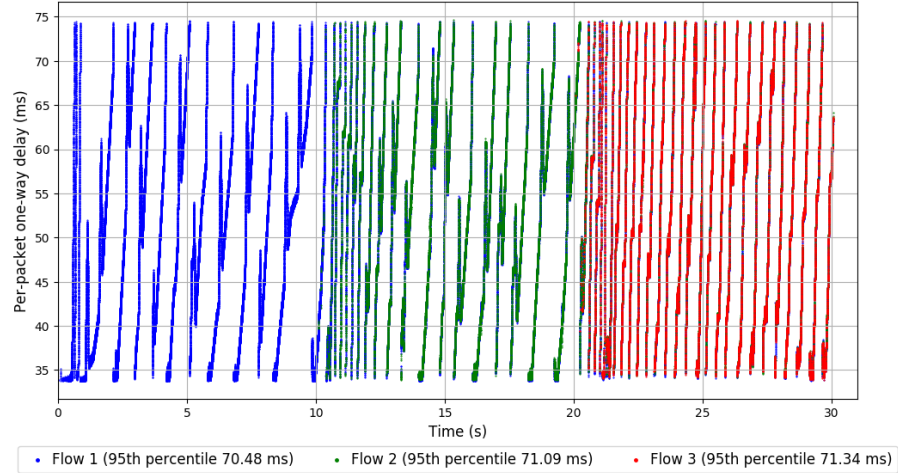
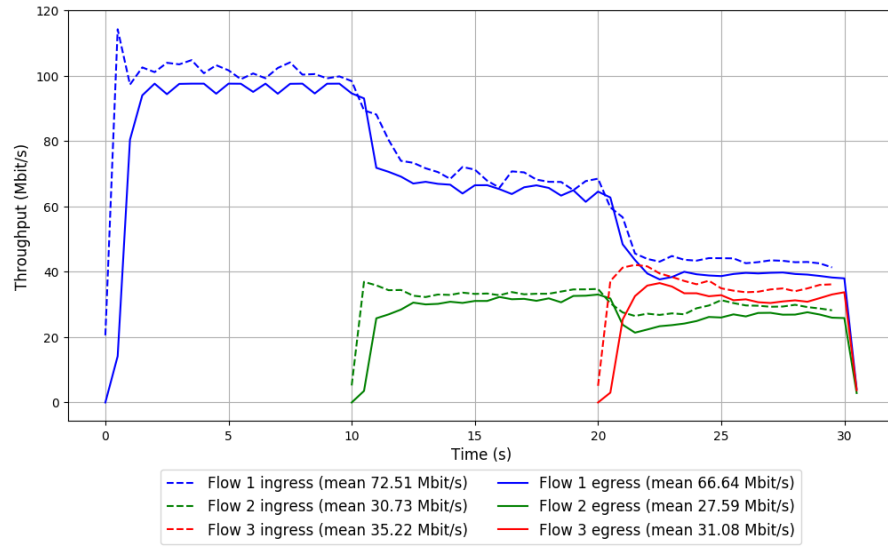
-- Flow 3:

Average throughput: 31.08 Mbit/s

95th percentile per-packet one-way delay: 71.342 ms

Loss rate: 11.78%

Run 4: Report of TCP BBR — Data Link



Run 5: Statistics of TCP BBR

Start at: 2019-10-03 06:01:42

End at: 2019-10-03 06:02:12

Local clock offset: 0.124 ms

Remote clock offset: 7.764 ms

Below is generated by plot.py at 2019-10-03 06:42:25

Datalink statistics

-- Total of 3 flows:

Average throughput: 95.09 Mbit/s

95th percentile per-packet one-way delay: 70.683 ms

Loss rate: 7.85%

-- Flow 1:

Average throughput: 65.04 Mbit/s

95th percentile per-packet one-way delay: 70.200 ms

Loss rate: 7.15%

-- Flow 2:

Average throughput: 43.44 Mbit/s

95th percentile per-packet one-way delay: 71.461 ms

Loss rate: 9.36%

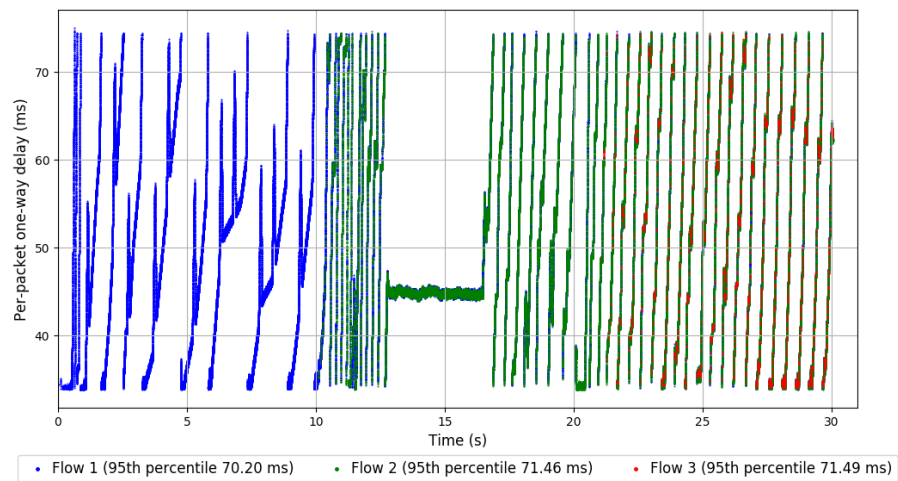
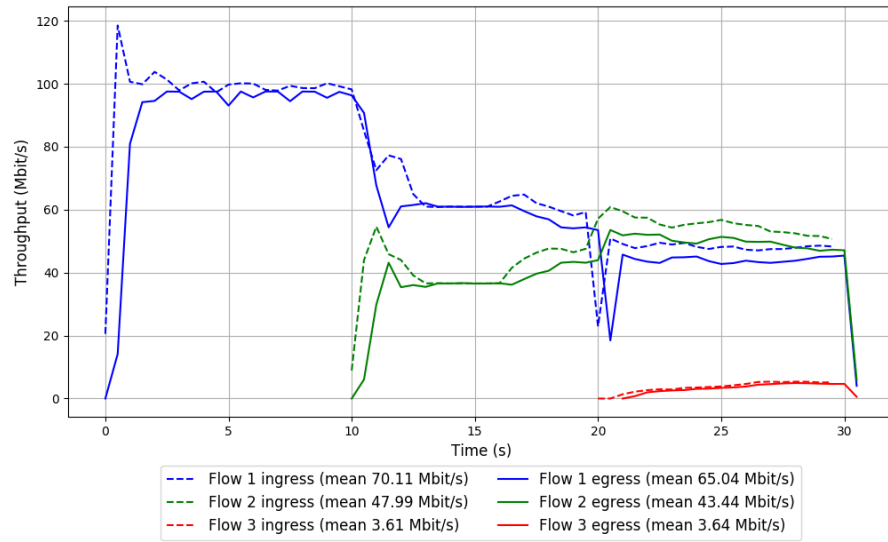
-- Flow 3:

Average throughput: 3.64 Mbit/s

95th percentile per-packet one-way delay: 71.486 ms

Loss rate: 9.20%

Run 5: Report of TCP BBR — Data Link



Run 1: Statistics of Copa

Start at: 2019-10-02 22:40:25

End at: 2019-10-02 22:40:55

Local clock offset: -0.248 ms

Remote clock offset: 7.252 ms

Below is generated by plot.py at 2019-10-03 06:42:25

Datalink statistics

-- Total of 3 flows:

Average throughput: 8.50 Mbit/s

95th percentile per-packet one-way delay: 34.628 ms

Loss rate: 66.60%

-- Flow 1:

Average throughput: 0.00 Mbit/s

95th percentile per-packet one-way delay: 34.012 ms

Loss rate: 97.92%

-- Flow 2:

Average throughput: 9.84 Mbit/s

95th percentile per-packet one-way delay: 35.571 ms

Loss rate: 65.75%

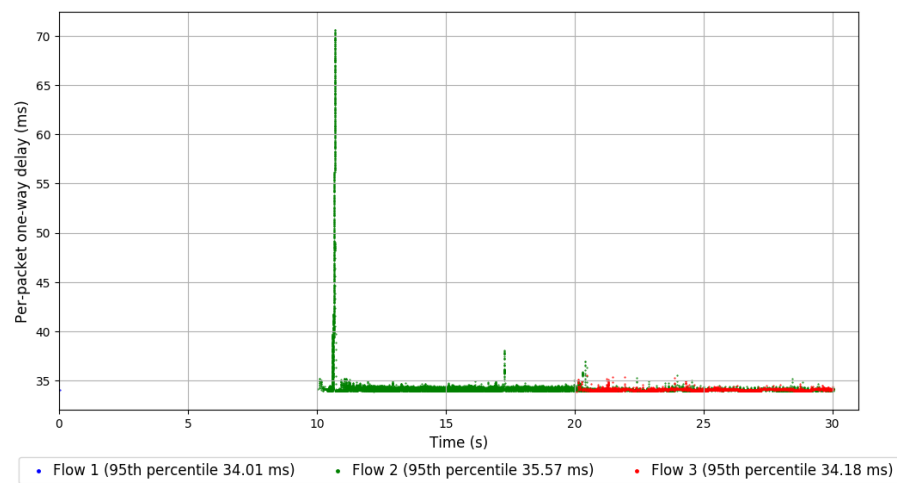
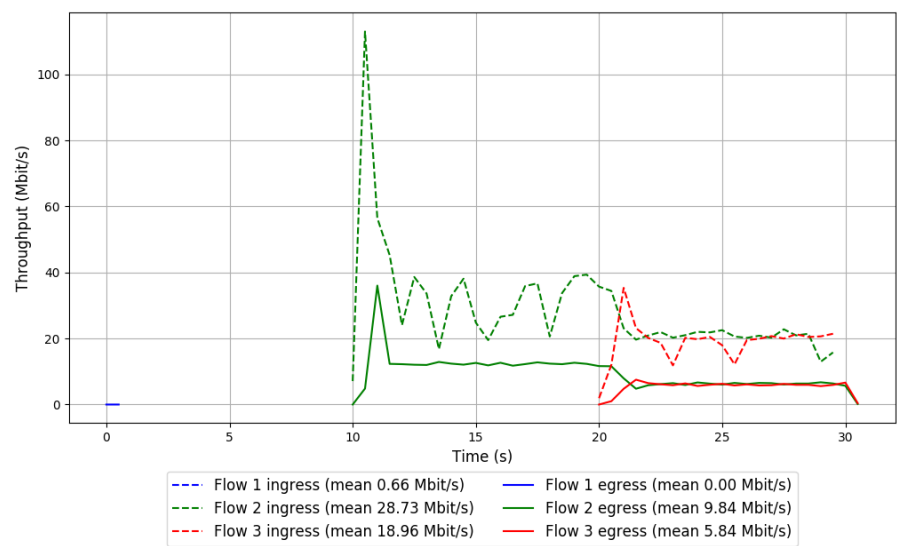
-- Flow 3:

Average throughput: 5.84 Mbit/s

95th percentile per-packet one-way delay: 34.180 ms

Loss rate: 69.19%

Run 1: Report of Copa — Data Link



Run 2: Statistics of Copa

Start at: 2019-10-03 00:04:14

End at: 2019-10-03 00:04:44

Local clock offset: -0.33 ms

Remote clock offset: 7.382 ms

Below is generated by plot.py at 2019-10-03 06:42:25

Datalink statistics

-- Total of 3 flows:

Average throughput: 8.50 Mbit/s

95th percentile per-packet one-way delay: 34.211 ms

Loss rate: 65.16%

-- Flow 1:

Average throughput: 0.18 Mbit/s

95th percentile per-packet one-way delay: 34.039 ms

Loss rate: 82.17%

-- Flow 2:

Average throughput: 10.43 Mbit/s

95th percentile per-packet one-way delay: 34.219 ms

Loss rate: 64.01%

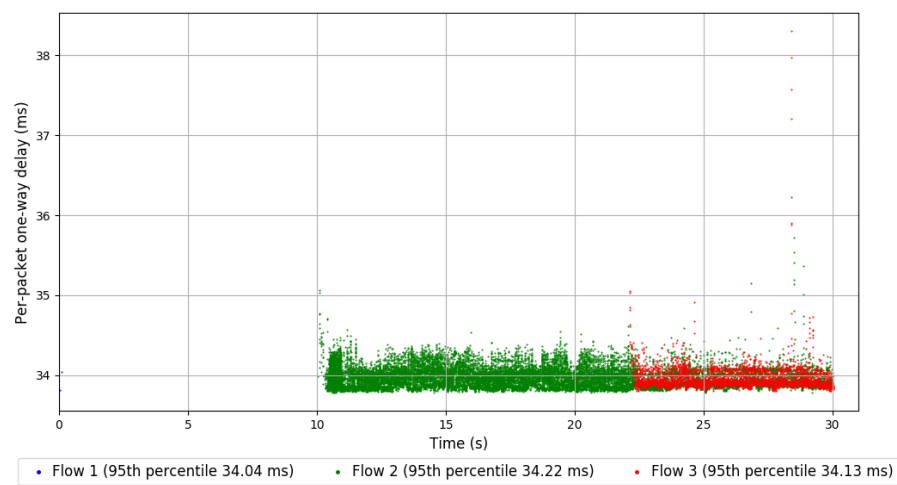
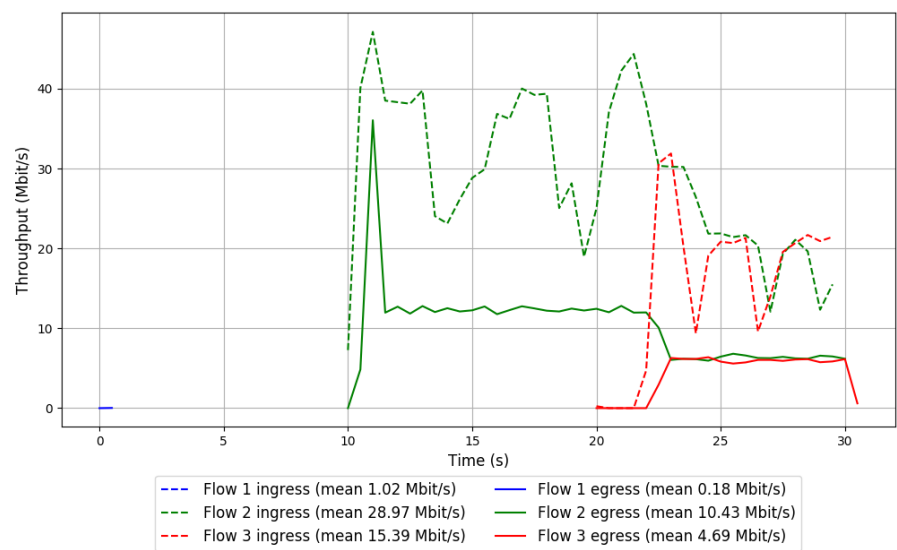
-- Flow 3:

Average throughput: 4.69 Mbit/s

95th percentile per-packet one-way delay: 34.130 ms

Loss rate: 69.50%

Run 2: Report of Copa — Data Link



Run 3: Statistics of Copa

Start at: 2019-10-03 02:08:35

End at: 2019-10-03 02:09:05

Local clock offset: 0.293 ms

Remote clock offset: 8.529 ms

Below is generated by plot.py at 2019-10-03 06:42:25

Datalink statistics

-- Total of 3 flows:

Average throughput: 8.50 Mbit/s

95th percentile per-packet one-way delay: 34.459 ms

Loss rate: 55.45%

-- Flow 1:

Average throughput: 0.00 Mbit/s

95th percentile per-packet one-way delay: 33.906 ms

Loss rate: 98.33%

-- Flow 2:

Average throughput: 9.70 Mbit/s

95th percentile per-packet one-way delay: 35.290 ms

Loss rate: 53.93%

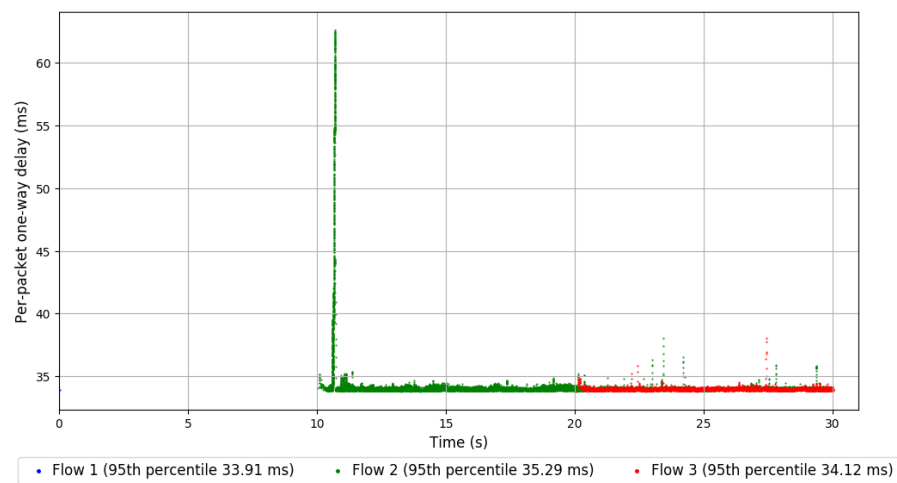
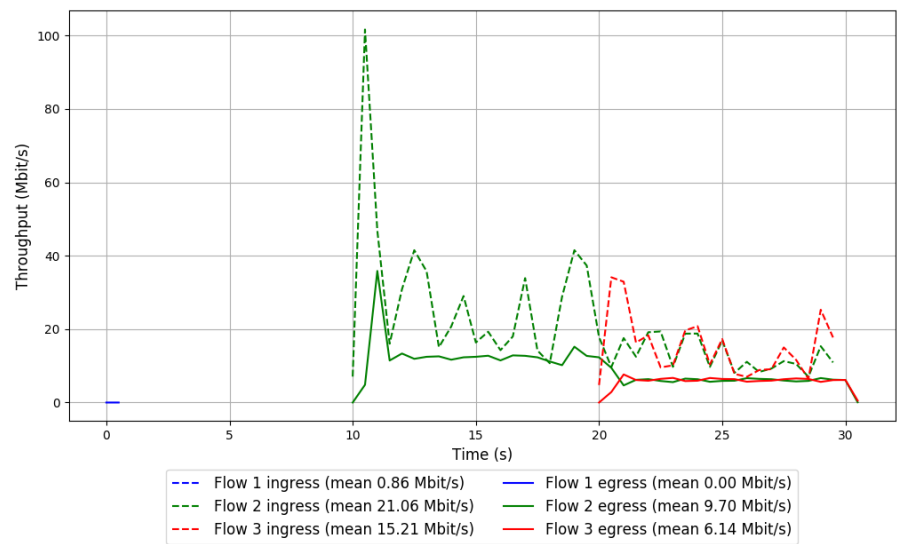
-- Flow 3:

Average throughput: 6.14 Mbit/s

95th percentile per-packet one-way delay: 34.119 ms

Loss rate: 59.65%

Run 3: Report of Copa — Data Link



Run 4: Statistics of Copa

Start at: 2019-10-03 04:26:15

End at: 2019-10-03 04:26:45

Local clock offset: 0.13 ms

Remote clock offset: 7.442 ms

Below is generated by plot.py at 2019-10-03 06:42:25

Datalink statistics

-- Total of 3 flows:

Average throughput: 8.50 Mbit/s

95th percentile per-packet one-way delay: 34.619 ms

Loss rate: 57.99%

-- Flow 1:

Average throughput: 0.00 Mbit/s

95th percentile per-packet one-way delay: 34.101 ms

Loss rate: 98.60%

-- Flow 2:

Average throughput: 9.15 Mbit/s

95th percentile per-packet one-way delay: 35.723 ms

Loss rate: 47.84%

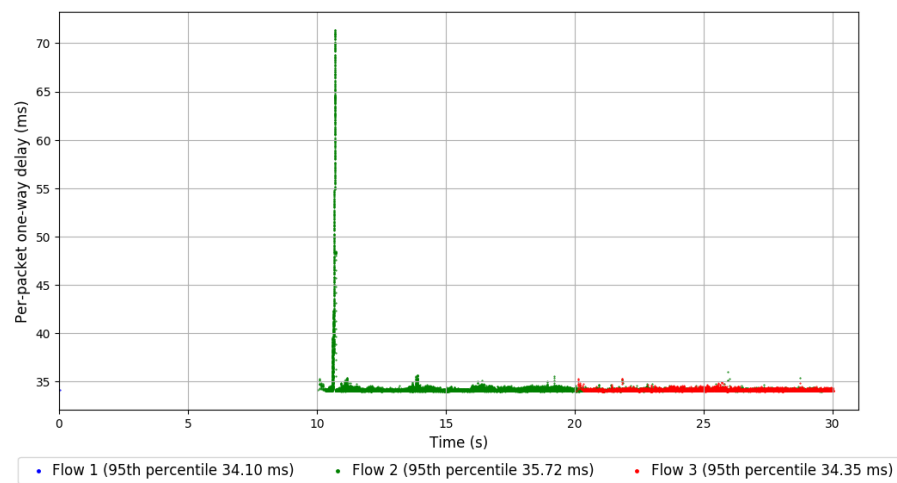
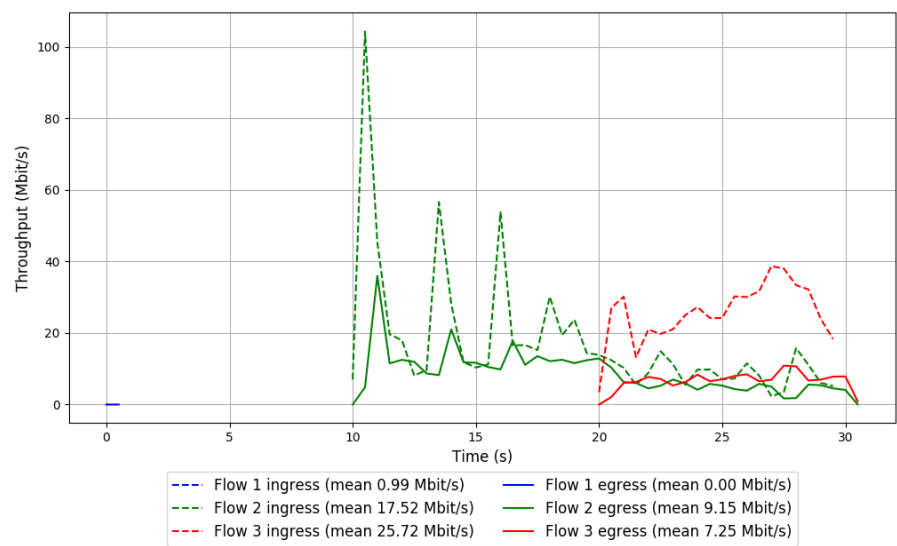
-- Flow 3:

Average throughput: 7.25 Mbit/s

95th percentile per-packet one-way delay: 34.348 ms

Loss rate: 71.82%

Run 4: Report of Copa — Data Link



Run 5: Statistics of Copa

Start at: 2019-10-03 05:37:37

End at: 2019-10-03 05:38:07

Local clock offset: 0.185 ms

Remote clock offset: 7.887 ms

Below is generated by plot.py at 2019-10-03 06:42:25

Datalink statistics

-- Total of 3 flows:

Average throughput: 8.49 Mbit/s

95th percentile per-packet one-way delay: 34.507 ms

Loss rate: 64.95%

-- Flow 1:

Average throughput: 0.00 Mbit/s

95th percentile per-packet one-way delay: 34.167 ms

Loss rate: 98.33%

-- Flow 2:

Average throughput: 10.39 Mbit/s

95th percentile per-packet one-way delay: 34.545 ms

Loss rate: 65.47%

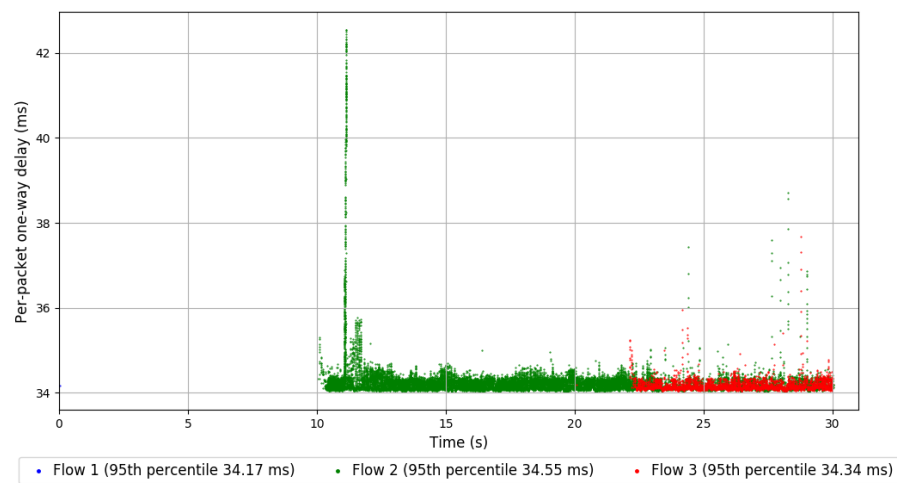
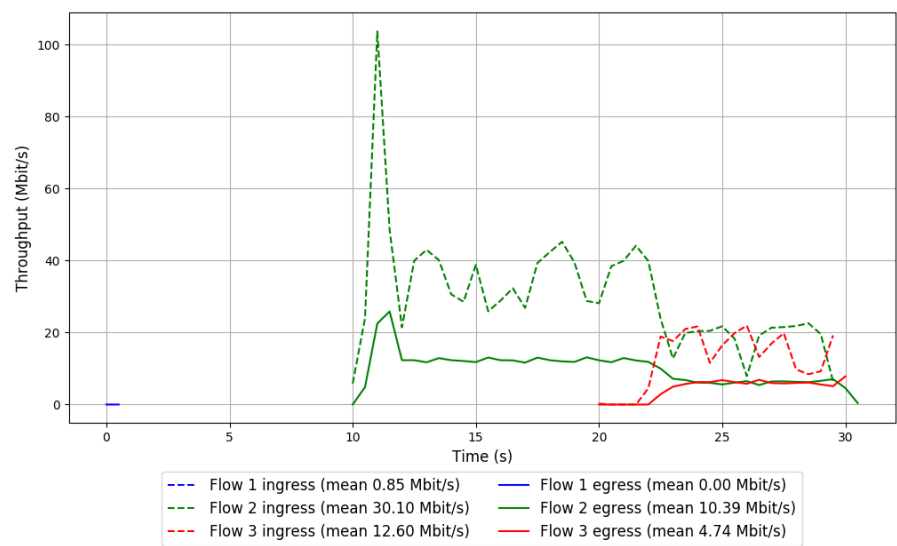
-- Flow 3:

Average throughput: 4.74 Mbit/s

95th percentile per-packet one-way delay: 34.343 ms

Loss rate: 62.42%

Run 5: Report of Copa — Data Link



Run 1: Statistics of TCP Cubic

Start at: 2019-10-02 22:52:18

End at: 2019-10-02 22:52:48

Local clock offset: -0.33 ms

Remote clock offset: 7.253 ms

Below is generated by plot.py at 2019-10-03 06:42:32

Datalink statistics

-- Total of 3 flows:

Average throughput: 96.19 Mbit/s

95th percentile per-packet one-way delay: 65.758 ms

Loss rate: 0.86%

-- Flow 1:

Average throughput: 76.51 Mbit/s

95th percentile per-packet one-way delay: 65.472 ms

Loss rate: 0.93%

-- Flow 2:

Average throughput: 16.23 Mbit/s

95th percentile per-packet one-way delay: 66.405 ms

Loss rate: 0.51%

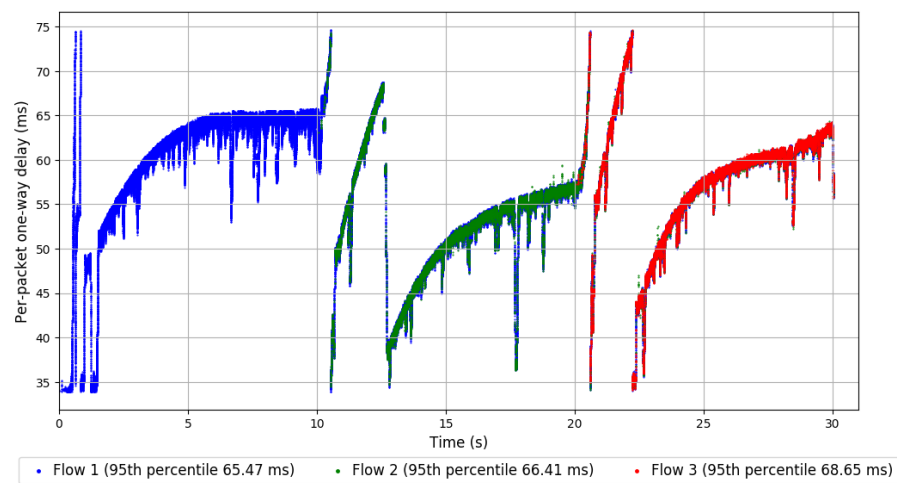
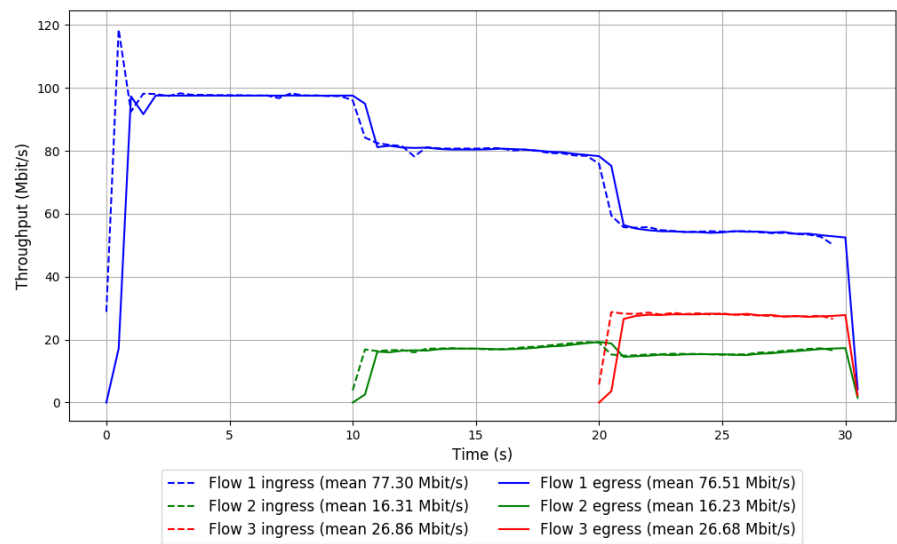
-- Flow 3:

Average throughput: 26.68 Mbit/s

95th percentile per-packet one-way delay: 68.647 ms

Loss rate: 0.65%

Run 1: Report of TCP Cubic — Data Link



Run 2: Statistics of TCP Cubic

Start at: 2019-10-03 00:17:44

End at: 2019-10-03 00:18:14

Local clock offset: -0.478 ms

Remote clock offset: 7.303 ms

Below is generated by plot.py at 2019-10-03 06:42:36

Datalink statistics

-- Total of 3 flows:

Average throughput: 92.07 Mbit/s

95th percentile per-packet one-way delay: 70.082 ms

Loss rate: 0.71%

-- Flow 1:

Average throughput: 73.87 Mbit/s

95th percentile per-packet one-way delay: 70.153 ms

Loss rate: 0.76%

-- Flow 2:

Average throughput: 23.52 Mbit/s

95th percentile per-packet one-way delay: 69.604 ms

Loss rate: 0.52%

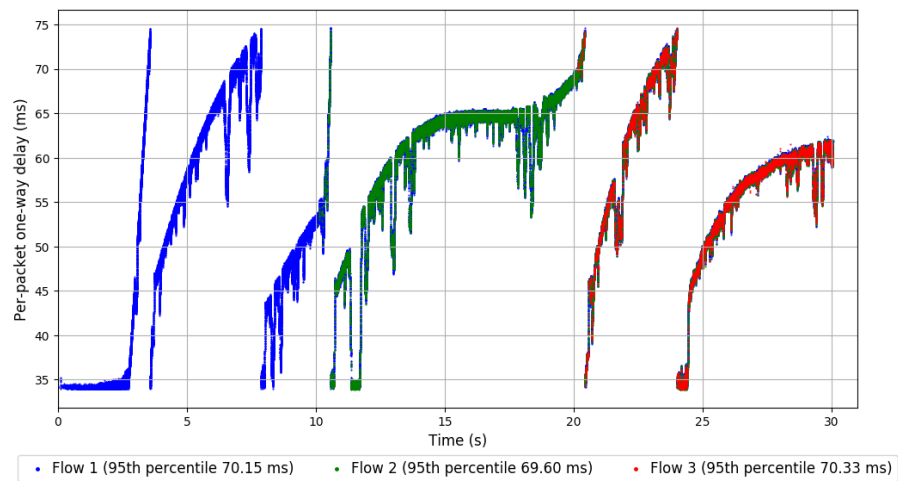
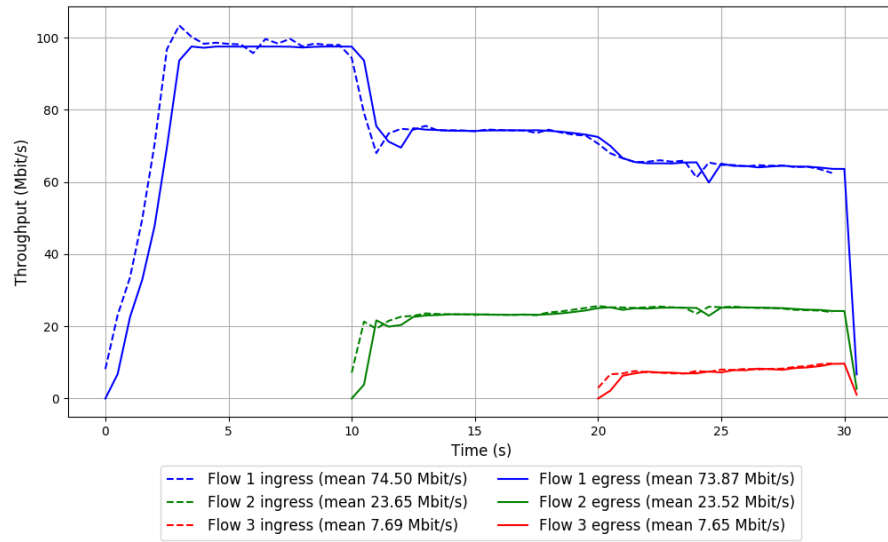
-- Flow 3:

Average throughput: 7.65 Mbit/s

95th percentile per-packet one-way delay: 70.326 ms

Loss rate: 0.59%

Run 2: Report of TCP Cubic — Data Link



Run 3: Statistics of TCP Cubic

Start at: 2019-10-03 02:31:46

End at: 2019-10-03 02:32:16

Local clock offset: 2.004 ms

Remote clock offset: 9.558 ms

Below is generated by plot.py at 2019-10-03 06:42:40

Datalink statistics

-- Total of 3 flows:

Average throughput: 95.77 Mbit/s

95th percentile per-packet one-way delay: 71.110 ms

Loss rate: 0.80%

-- Flow 1:

Average throughput: 78.72 Mbit/s

95th percentile per-packet one-way delay: 71.145 ms

Loss rate: 0.81%

-- Flow 2:

Average throughput: 15.04 Mbit/s

95th percentile per-packet one-way delay: 71.808 ms

Loss rate: 0.84%

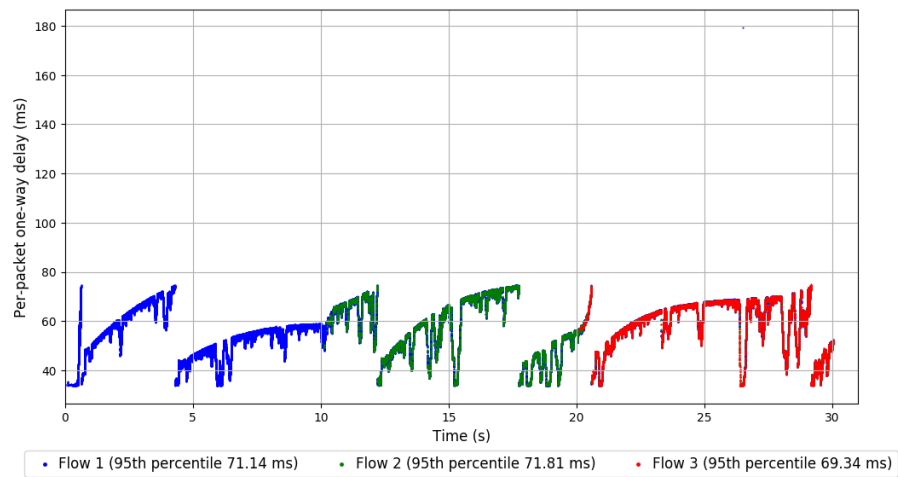
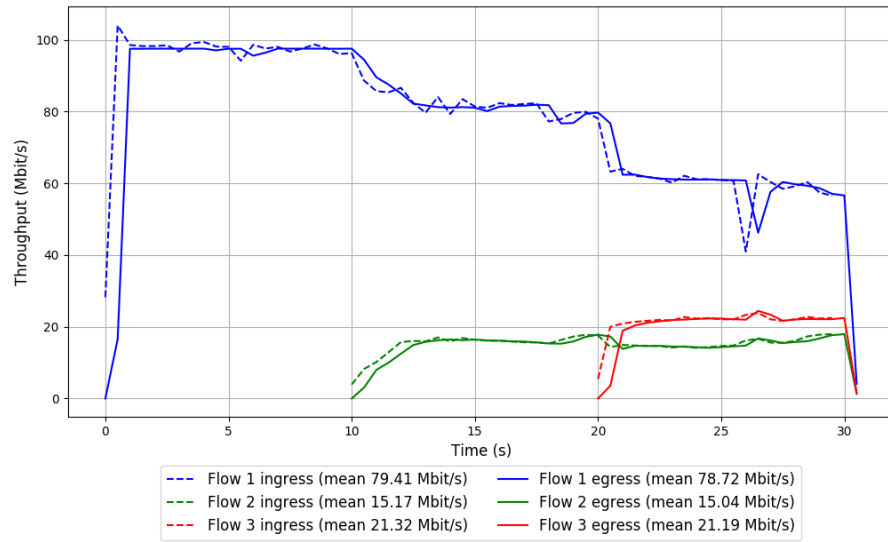
-- Flow 3:

Average throughput: 21.19 Mbit/s

95th percentile per-packet one-way delay: 69.340 ms

Loss rate: 0.66%

Run 3: Report of TCP Cubic — Data Link



Run 4: Statistics of TCP Cubic

Start at: 2019-10-03 04:34:45

End at: 2019-10-03 04:35:15

Local clock offset: 0.118 ms

Remote clock offset: 7.399 ms

Below is generated by plot.py at 2019-10-03 06:43:18

Datalink statistics

-- Total of 3 flows:

Average throughput: 96.14 Mbit/s

95th percentile per-packet one-way delay: 71.598 ms

Loss rate: 0.96%

-- Flow 1:

Average throughput: 80.42 Mbit/s

95th percentile per-packet one-way delay: 71.136 ms

Loss rate: 1.01%

-- Flow 2:

Average throughput: 17.11 Mbit/s

95th percentile per-packet one-way delay: 72.350 ms

Loss rate: 0.69%

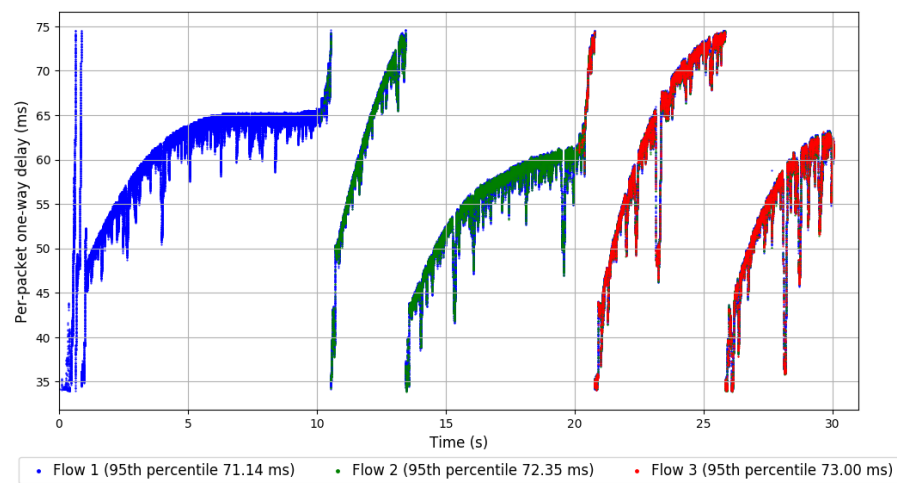
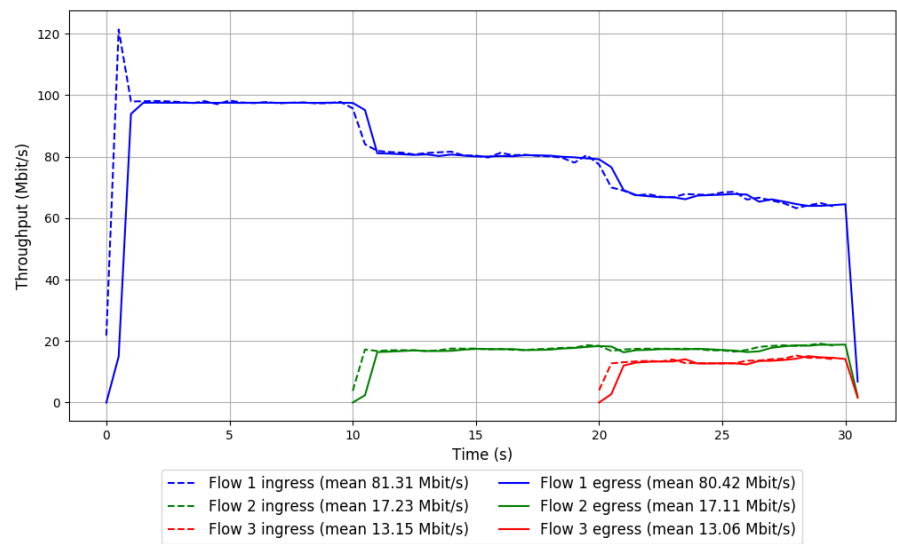
-- Flow 3:

Average throughput: 13.06 Mbit/s

95th percentile per-packet one-way delay: 73.002 ms

Loss rate: 0.65%

Run 4: Report of TCP Cubic — Data Link



Run 5: Statistics of TCP Cubic

Start at: 2019-10-03 05:47:28

End at: 2019-10-03 05:47:58

Local clock offset: 0.205 ms

Remote clock offset: 7.681 ms

Below is generated by plot.py at 2019-10-03 06:43:19

Datalink statistics

-- Total of 3 flows:

Average throughput: 96.22 Mbit/s

95th percentile per-packet one-way delay: 71.878 ms

Loss rate: 0.95%

-- Flow 1:

Average throughput: 80.90 Mbit/s

95th percentile per-packet one-way delay: 71.608 ms

Loss rate: 1.00%

-- Flow 2:

Average throughput: 16.53 Mbit/s

95th percentile per-packet one-way delay: 72.447 ms

Loss rate: 0.66%

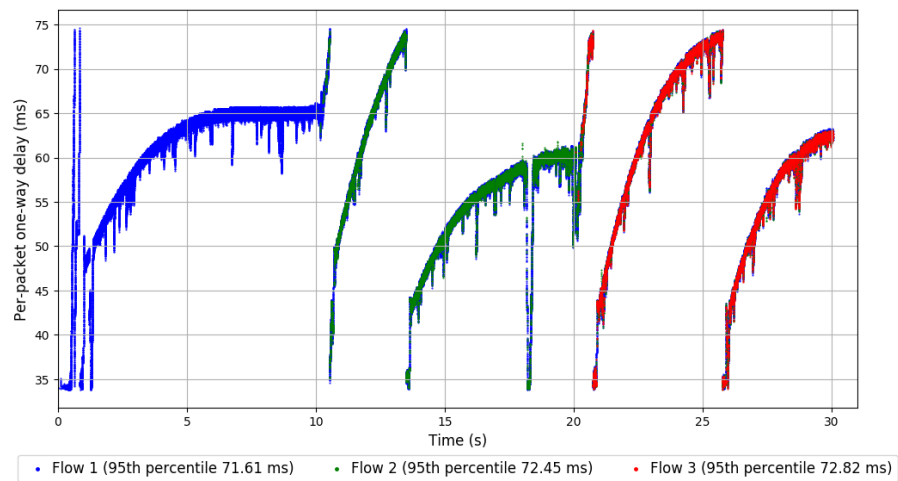
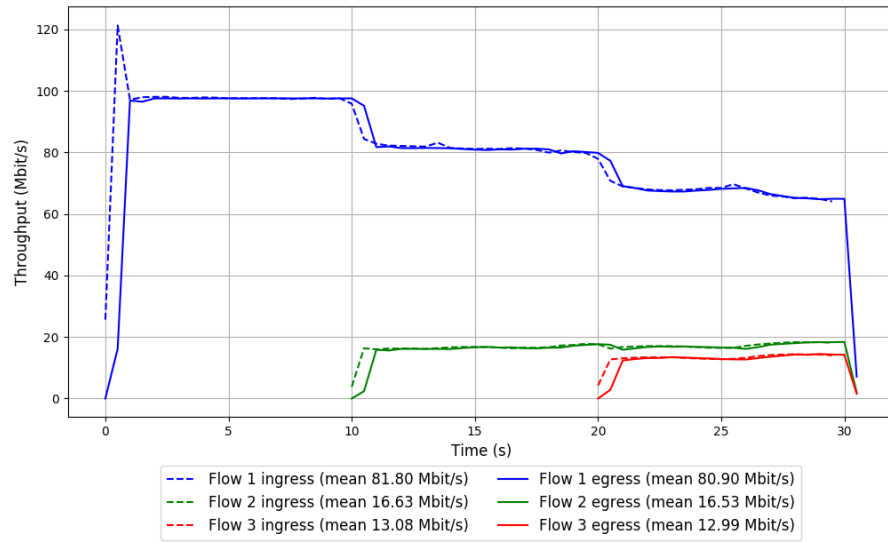
-- Flow 3:

Average throughput: 12.99 Mbit/s

95th percentile per-packet one-way delay: 72.823 ms

Loss rate: 0.64%

Run 5: Report of TCP Cubic — Data Link



Run 1: Statistics of FillP

Start at: 2019-10-02 23:43:08

End at: 2019-10-02 23:43:38

Local clock offset: -0.307 ms

Remote clock offset: 7.396 ms

Below is generated by plot.py at 2019-10-03 06:43:53

Datalink statistics

-- Total of 3 flows:

Average throughput: 92.44 Mbit/s

95th percentile per-packet one-way delay: 71.027 ms

Loss rate: 38.40%

-- Flow 1:

Average throughput: 58.02 Mbit/s

95th percentile per-packet one-way delay: 68.939 ms

Loss rate: 29.96%

-- Flow 2:

Average throughput: 41.36 Mbit/s

95th percentile per-packet one-way delay: 72.654 ms

Loss rate: 47.21%

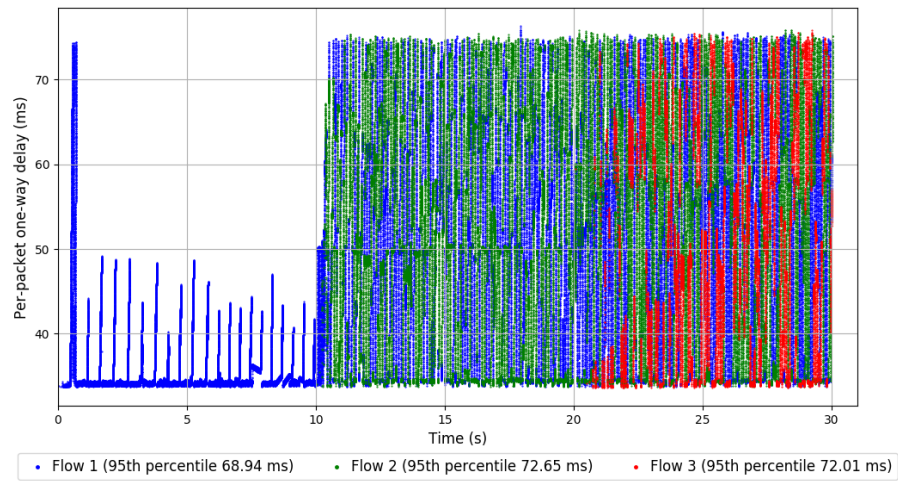
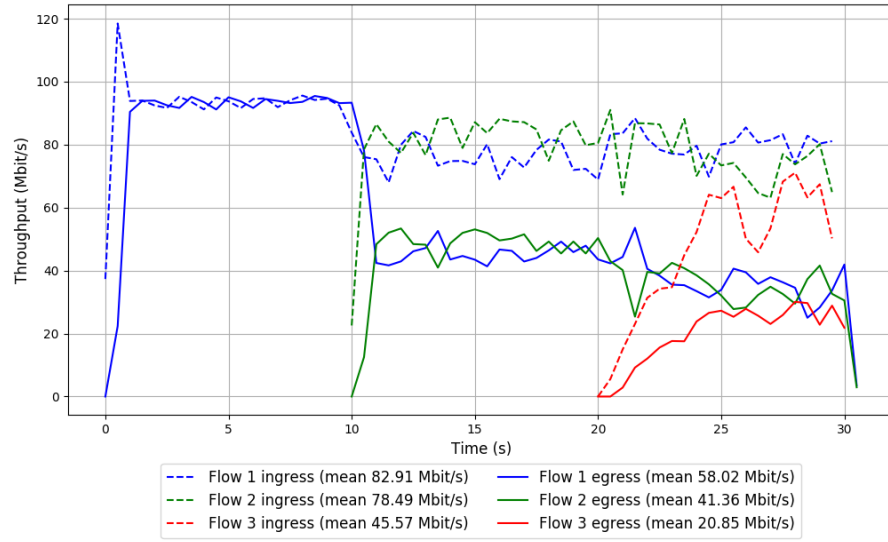
-- Flow 3:

Average throughput: 20.85 Mbit/s

95th percentile per-packet one-way delay: 72.014 ms

Loss rate: 54.26%

Run 1: Report of FillP — Data Link

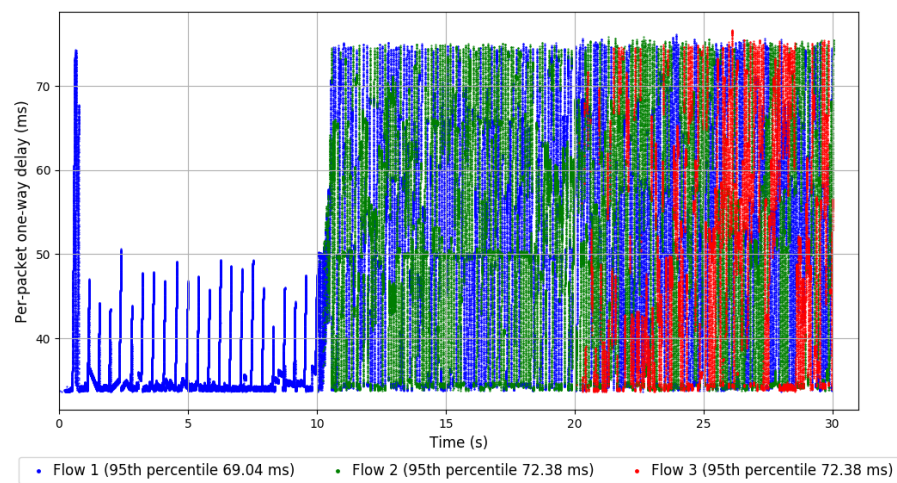
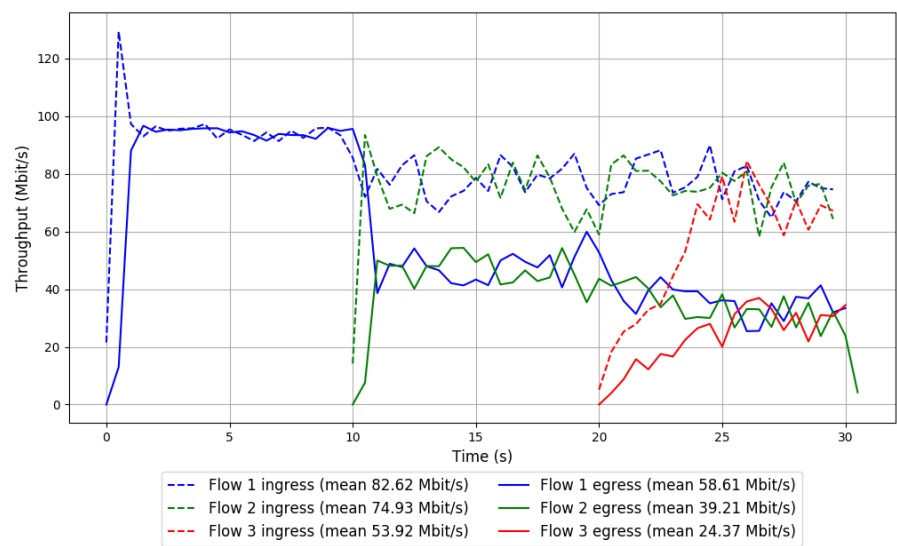


Run 2: Statistics of FillP

Start at: 2019-10-03 01:36:06
End at: 2019-10-03 01:36:36
Local clock offset: -0.547 ms
Remote clock offset: 8.683 ms

Below is generated by plot.py at 2019-10-03 06:43:54
Datalink statistics
-- Total of 3 flows:
Average throughput: 92.71 Mbit/s
95th percentile per-packet one-way delay: 70.855 ms
Loss rate: 38.32%
-- Flow 1:
Average throughput: 58.61 Mbit/s
95th percentile per-packet one-way delay: 69.036 ms
Loss rate: 29.14%
-- Flow 2:
Average throughput: 39.21 Mbit/s
95th percentile per-packet one-way delay: 72.381 ms
Loss rate: 47.59%
-- Flow 3:
Average throughput: 24.37 Mbit/s
95th percentile per-packet one-way delay: 72.375 ms
Loss rate: 54.84%

Run 2: Report of FillP — Data Link



Run 3: Statistics of FillP

Start at: 2019-10-03 04:01:08

End at: 2019-10-03 04:01:38

Local clock offset: 0.12 ms

Remote clock offset: 6.976 ms

Below is generated by plot.py at 2019-10-03 06:43:54

Datalink statistics

-- Total of 3 flows:

Average throughput: 92.18 Mbit/s

95th percentile per-packet one-way delay: 71.091 ms

Loss rate: 37.62%

-- Flow 1:

Average throughput: 56.86 Mbit/s

95th percentile per-packet one-way delay: 69.400 ms

Loss rate: 28.66%

-- Flow 2:

Average throughput: 42.10 Mbit/s

95th percentile per-packet one-way delay: 72.351 ms

Loss rate: 46.59%

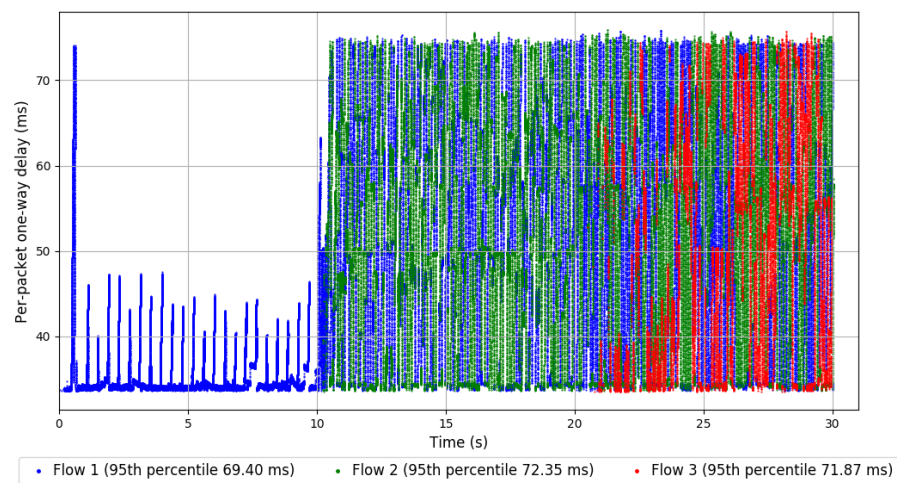
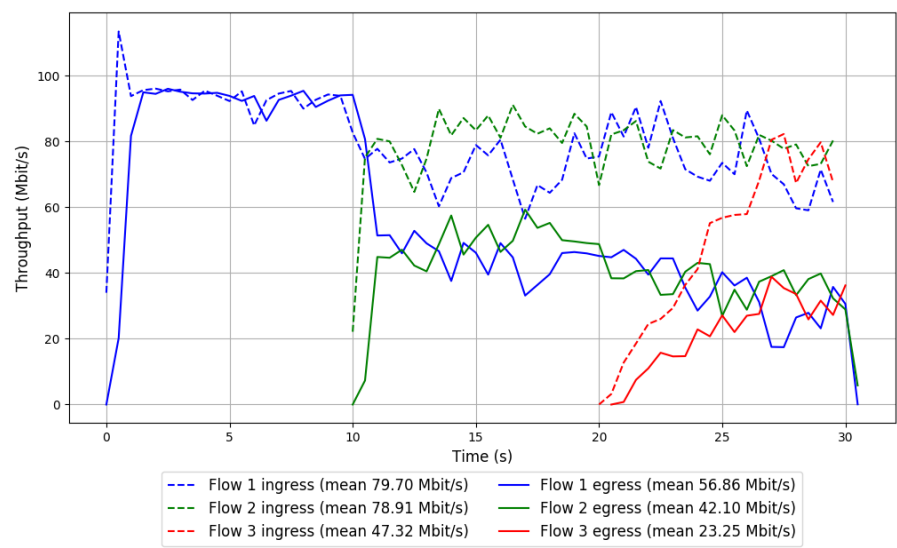
-- Flow 3:

Average throughput: 23.25 Mbit/s

95th percentile per-packet one-way delay: 71.872 ms

Loss rate: 53.12%

Run 3: Report of FillP — Data Link



Run 4: Statistics of FillP

Start at: 2019-10-03 05:17:39

End at: 2019-10-03 05:18:09

Local clock offset: 0.145 ms

Remote clock offset: 7.511 ms

Below is generated by plot.py at 2019-10-03 06:44:04

Datalink statistics

-- Total of 3 flows:

Average throughput: 92.85 Mbit/s

95th percentile per-packet one-way delay: 71.264 ms

Loss rate: 38.75%

-- Flow 1:

Average throughput: 56.58 Mbit/s

95th percentile per-packet one-way delay: 68.983 ms

Loss rate: 28.78%

-- Flow 2:

Average throughput: 40.82 Mbit/s

95th percentile per-packet one-way delay: 72.673 ms

Loss rate: 47.77%

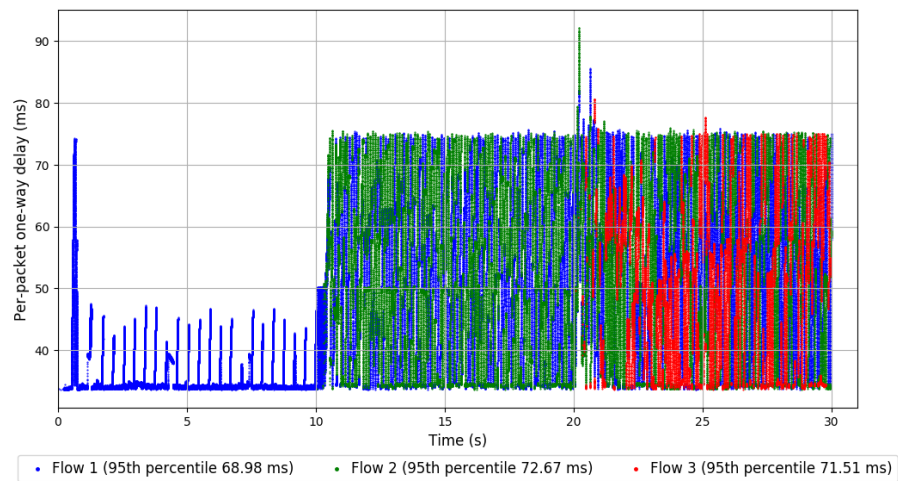
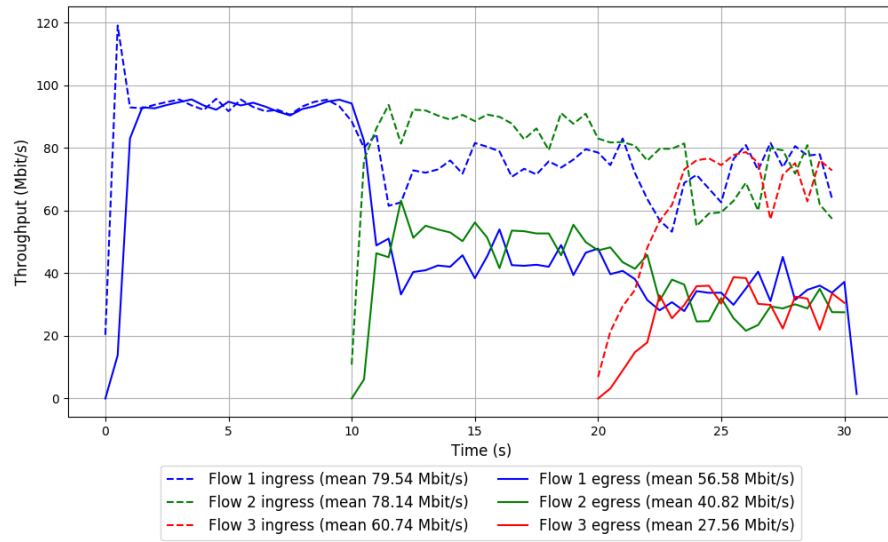
-- Flow 3:

Average throughput: 27.56 Mbit/s

95th percentile per-packet one-way delay: 71.514 ms

Loss rate: 54.78%

Run 4: Report of FillP — Data Link



Run 5: Statistics of FillP

Start at: 2019-10-03 06:28:28

End at: 2019-10-03 06:28:58

Local clock offset: 0.133 ms

Remote clock offset: 8.136 ms

Below is generated by plot.py at 2019-10-03 06:44:07

Datalink statistics

-- Total of 3 flows:

Average throughput: 92.41 Mbit/s

95th percentile per-packet one-way delay: 70.969 ms

Loss rate: 36.85%

-- Flow 1:

Average throughput: 58.87 Mbit/s

95th percentile per-packet one-way delay: 69.996 ms

Loss rate: 29.65%

-- Flow 2:

Average throughput: 41.15 Mbit/s

95th percentile per-packet one-way delay: 72.192 ms

Loss rate: 45.21%

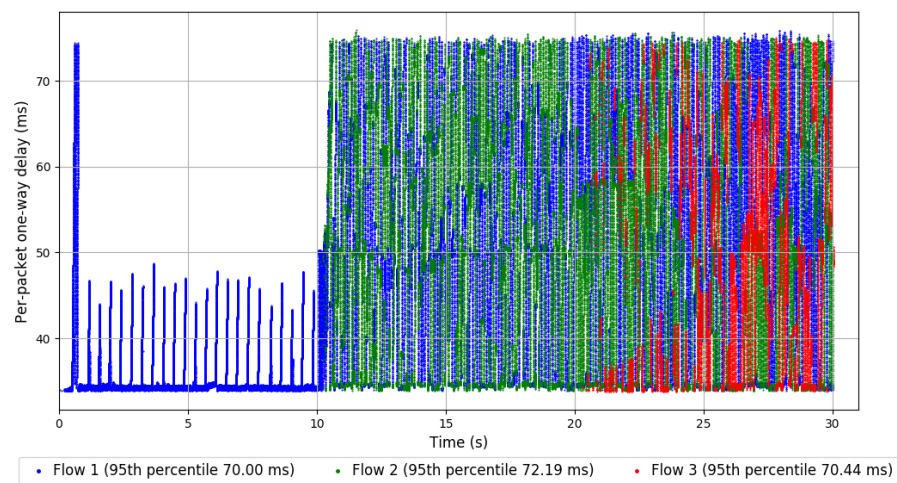
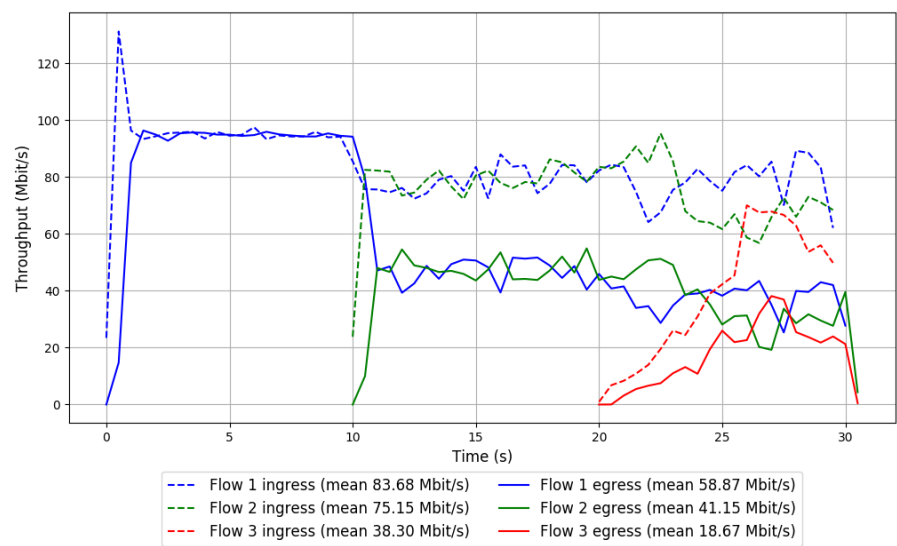
-- Flow 3:

Average throughput: 18.67 Mbit/s

95th percentile per-packet one-way delay: 70.444 ms

Loss rate: 51.33%

Run 5: Report of FillP — Data Link



Run 1: Statistics of FillP-Sheep

Start at: 2019-10-02 23:50:29

End at: 2019-10-02 23:50:59

Local clock offset: -0.349 ms

Remote clock offset: 7.377 ms

Below is generated by plot.py at 2019-10-03 06:44:07

Datalink statistics

-- Total of 3 flows:

Average throughput: 90.51 Mbit/s

95th percentile per-packet one-way delay: 68.655 ms

Loss rate: 13.59%

-- Flow 1:

Average throughput: 53.56 Mbit/s

95th percentile per-packet one-way delay: 66.684 ms

Loss rate: 9.48%

-- Flow 2:

Average throughput: 39.16 Mbit/s

95th percentile per-packet one-way delay: 70.108 ms

Loss rate: 17.13%

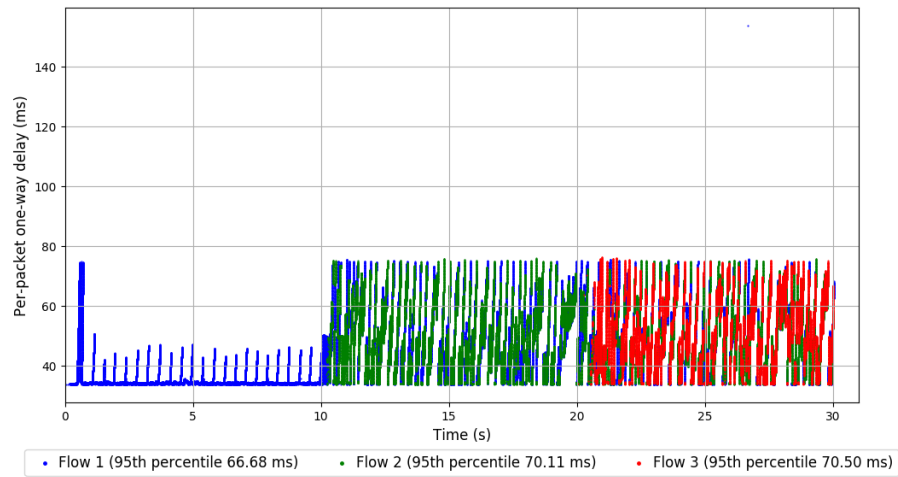
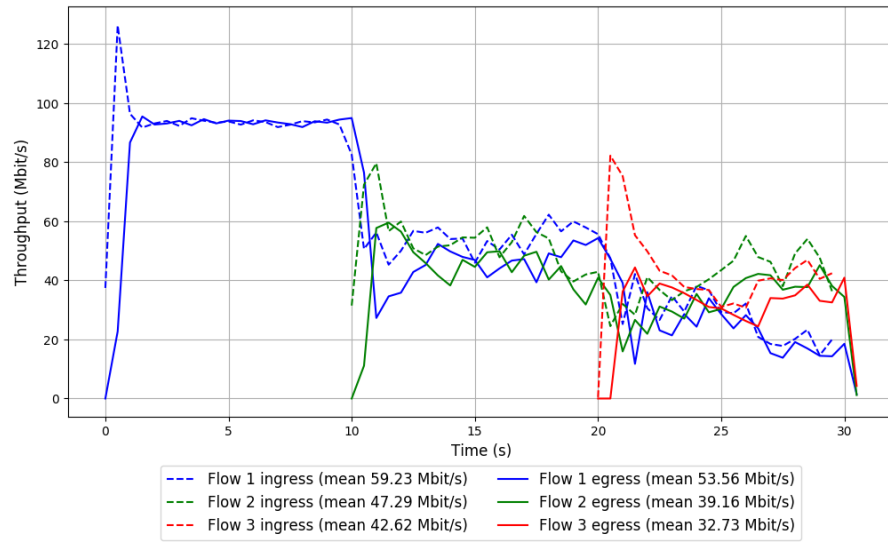
-- Flow 3:

Average throughput: 32.73 Mbit/s

95th percentile per-packet one-way delay: 70.495 ms

Loss rate: 22.97%

Run 1: Report of FillP-Sheep — Data Link



Run 2: Statistics of FillP-Sheep

Start at: 2019-10-03 01:46:04

End at: 2019-10-03 01:46:34

Local clock offset: -0.831 ms

Remote clock offset: 8.133 ms

Below is generated by plot.py at 2019-10-03 06:44:47

Datalink statistics

-- Total of 3 flows:

Average throughput: 91.63 Mbit/s

95th percentile per-packet one-way delay: 68.187 ms

Loss rate: 12.05%

-- Flow 1:

Average throughput: 56.30 Mbit/s

95th percentile per-packet one-way delay: 66.216 ms

Loss rate: 9.04%

-- Flow 2:

Average throughput: 38.33 Mbit/s

95th percentile per-packet one-way delay: 69.702 ms

Loss rate: 15.85%

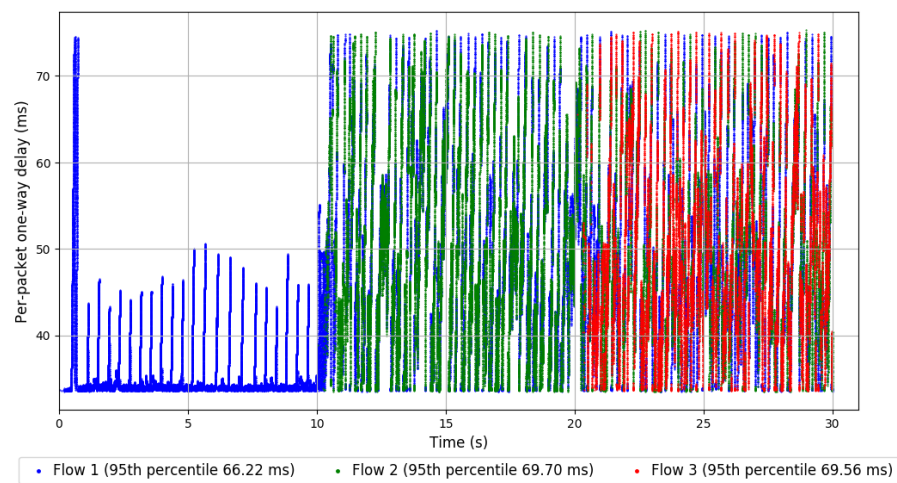
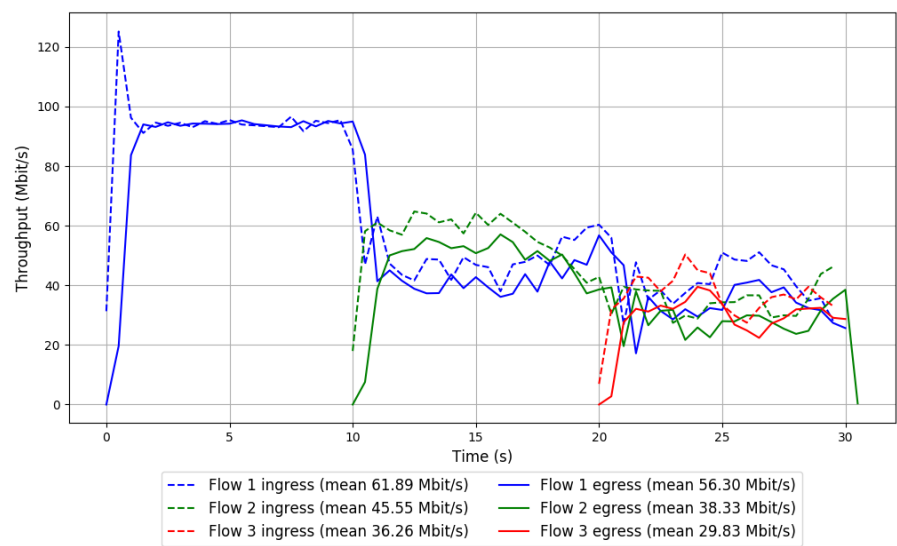
-- Flow 3:

Average throughput: 29.83 Mbit/s

95th percentile per-packet one-way delay: 69.563 ms

Loss rate: 18.00%

Run 2: Report of FillP-Sheep — Data Link



Run 3: Statistics of FillP-Sheep

Start at: 2019-10-03 04:10:33

End at: 2019-10-03 04:11:03

Local clock offset: 0.135 ms

Remote clock offset: 7.357 ms

Below is generated by plot.py at 2019-10-03 06:44:47

Datalink statistics

-- Total of 3 flows:

Average throughput: 89.78 Mbit/s

95th percentile per-packet one-way delay: 68.787 ms

Loss rate: 11.28%

-- Flow 1:

Average throughput: 56.65 Mbit/s

95th percentile per-packet one-way delay: 66.622 ms

Loss rate: 8.59%

-- Flow 2:

Average throughput: 44.82 Mbit/s

95th percentile per-packet one-way delay: 70.681 ms

Loss rate: 15.63%

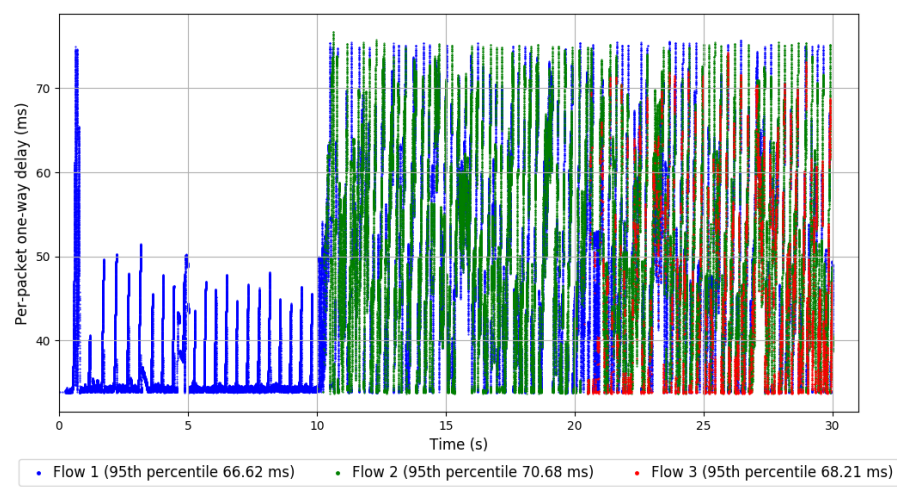
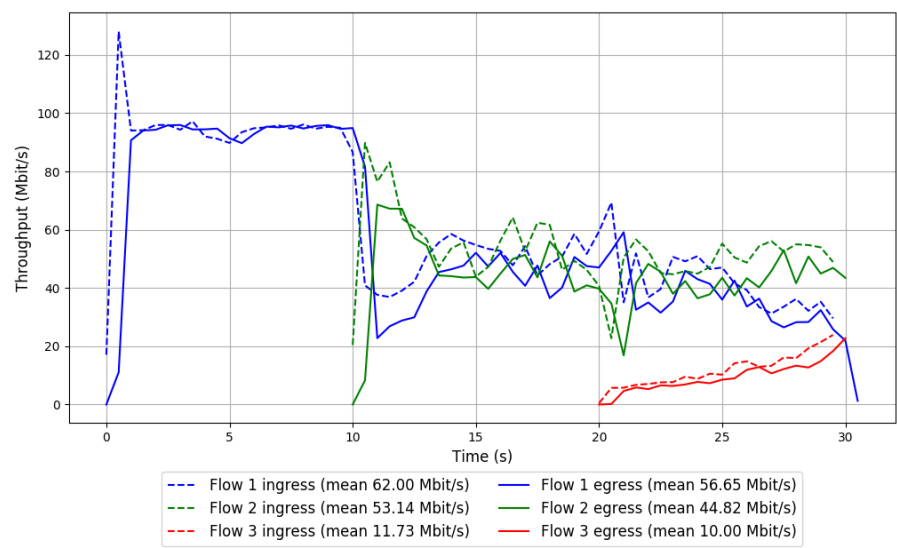
-- Flow 3:

Average throughput: 10.00 Mbit/s

95th percentile per-packet one-way delay: 68.209 ms

Loss rate: 14.70%

Run 3: Report of FillP-Sheep — Data Link



Run 4: Statistics of FillP-Sheep

Start at: 2019-10-03 05:26:43

End at: 2019-10-03 05:27:13

Local clock offset: 0.178 ms

Remote clock offset: 7.583 ms

Below is generated by plot.py at 2019-10-03 06:45:15

Datalink statistics

-- Total of 3 flows:

Average throughput: 89.19 Mbit/s

95th percentile per-packet one-way delay: 68.528 ms

Loss rate: 11.83%

-- Flow 1:

Average throughput: 59.72 Mbit/s

95th percentile per-packet one-way delay: 67.190 ms

Loss rate: 9.08%

-- Flow 2:

Average throughput: 39.44 Mbit/s

95th percentile per-packet one-way delay: 70.140 ms

Loss rate: 17.27%

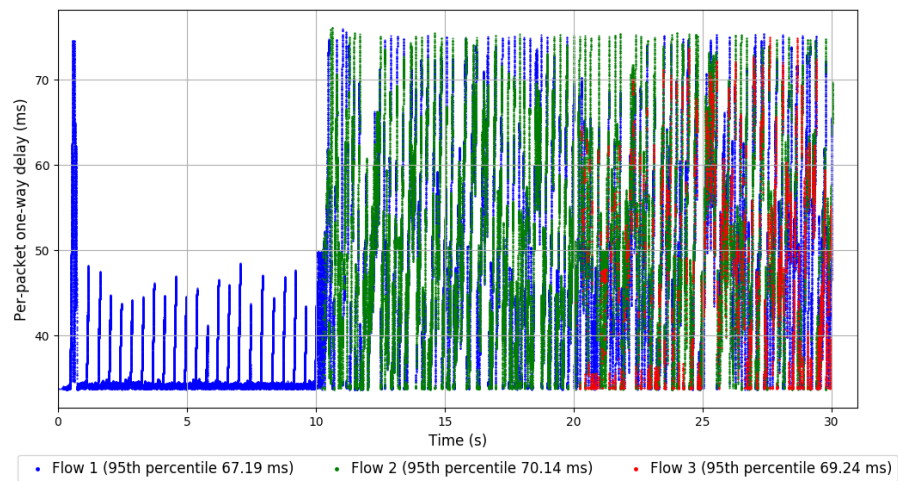
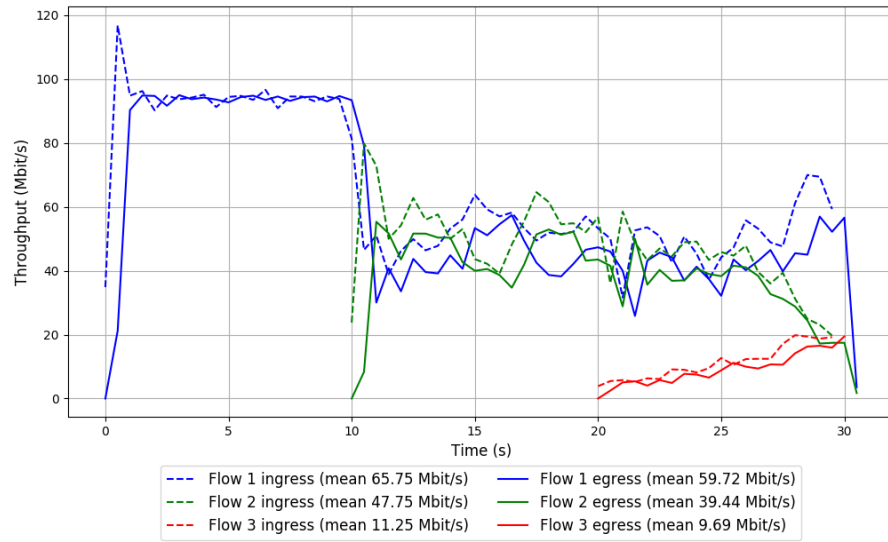
-- Flow 3:

Average throughput: 9.69 Mbit/s

95th percentile per-packet one-way delay: 69.242 ms

Loss rate: 13.82%

Run 4: Report of FillP-Sheep — Data Link



Run 5: Statistics of FillP-Sheep

Start at: 2019-10-03 06:34:01

End at: 2019-10-03 06:34:31

Local clock offset: 0.082 ms

Remote clock offset: 7.994 ms

Below is generated by plot.py at 2019-10-03 06:45:17

Datalink statistics

-- Total of 3 flows:

Average throughput: 90.51 Mbit/s

95th percentile per-packet one-way delay: 68.932 ms

Loss rate: 12.23%

-- Flow 1:

Average throughput: 58.63 Mbit/s

95th percentile per-packet one-way delay: 67.633 ms

Loss rate: 9.25%

-- Flow 2:

Average throughput: 46.04 Mbit/s

95th percentile per-packet one-way delay: 70.293 ms

Loss rate: 17.24%

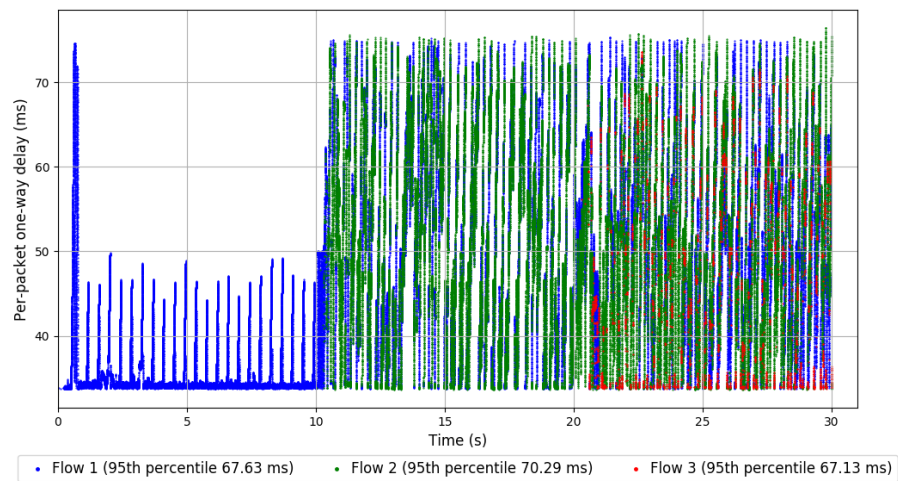
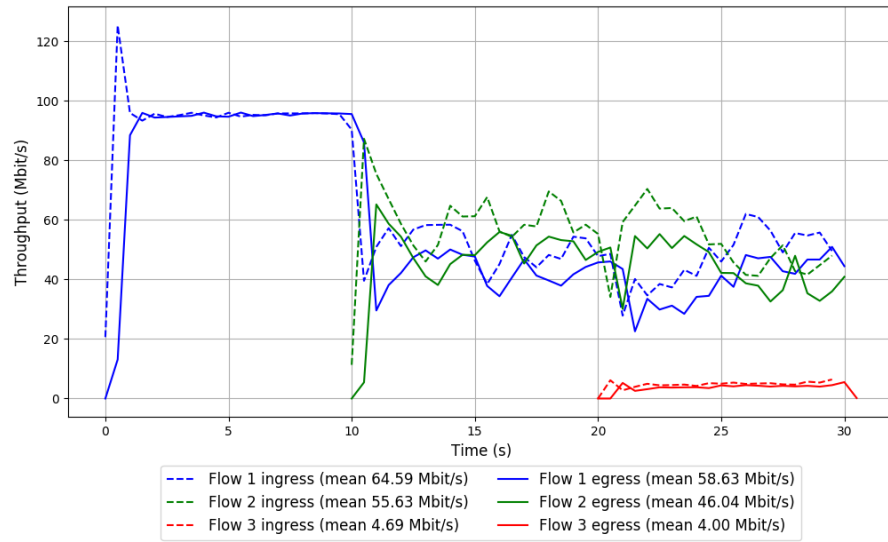
-- Flow 3:

Average throughput: 4.00 Mbit/s

95th percentile per-packet one-way delay: 67.133 ms

Loss rate: 16.65%

Run 5: Report of FillP-Sheep — Data Link

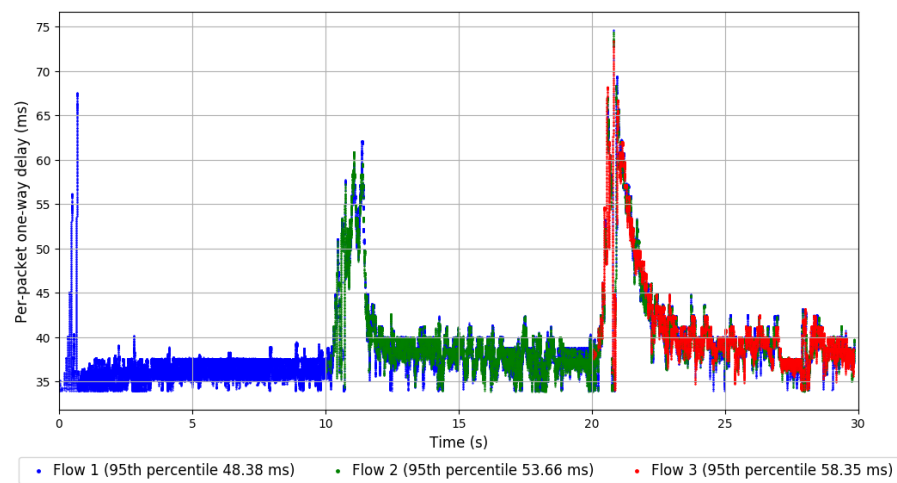
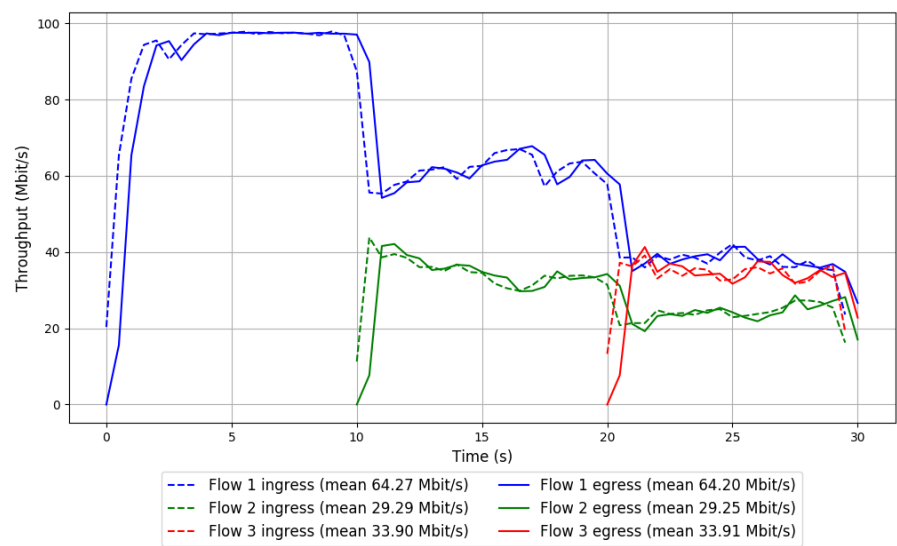


```
Run 1: Statistics of Indigo

Start at: 2019-10-02 22:58:10
End at: 2019-10-02 22:58:40
Local clock offset: -0.301 ms
Remote clock offset: 7.245 ms

# Below is generated by plot.py at 2019-10-03 06:45:17
# Datalink statistics
-- Total of 3 flows:
Average throughput: 94.69 Mbit/s
95th percentile per-packet one-way delay: 51.747 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 64.20 Mbit/s
95th percentile per-packet one-way delay: 48.381 ms
Loss rate: 0.09%
-- Flow 2:
Average throughput: 29.25 Mbit/s
95th percentile per-packet one-way delay: 53.655 ms
Loss rate: 0.12%
-- Flow 3:
Average throughput: 33.91 Mbit/s
95th percentile per-packet one-way delay: 58.350 ms
Loss rate: 0.00%
```

Run 1: Report of Indigo — Data Link

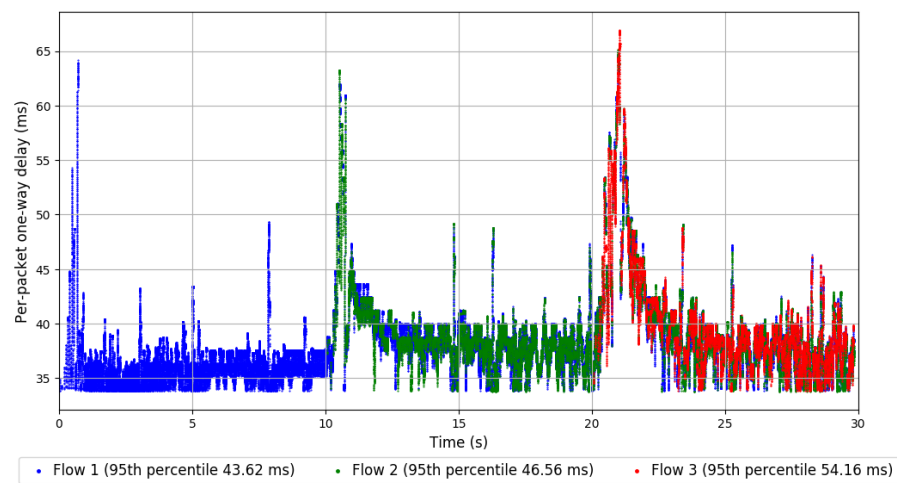
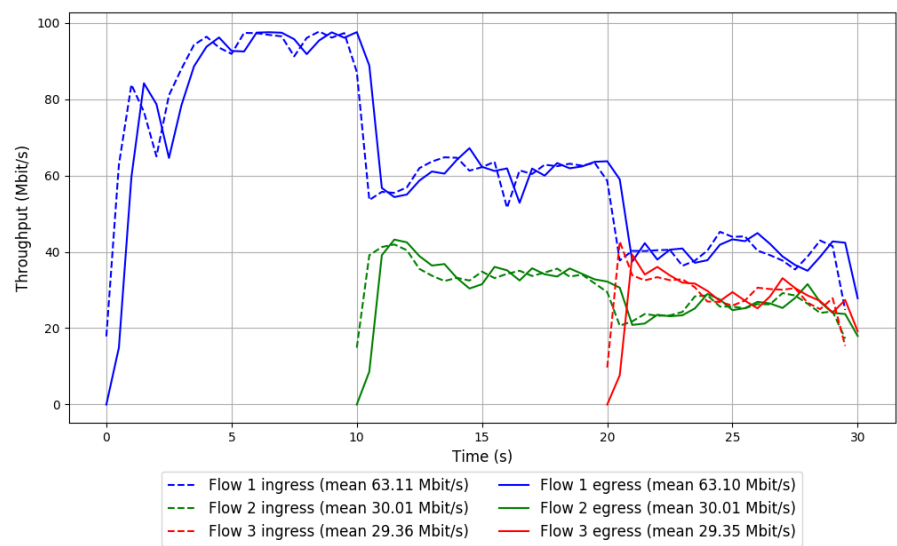


Run 2: Statistics of Indigo

Start at: 2019-10-03 00:24:24
End at: 2019-10-03 00:24:54
Local clock offset: -0.567 ms
Remote clock offset: 7.091 ms

Below is generated by plot.py at 2019-10-03 06:45:17
Datalink statistics
-- Total of 3 flows:
Average throughput: 92.60 Mbit/s
95th percentile per-packet one-way delay: 45.846 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 63.10 Mbit/s
95th percentile per-packet one-way delay: 43.617 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 30.01 Mbit/s
95th percentile per-packet one-way delay: 46.563 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 29.35 Mbit/s
95th percentile per-packet one-way delay: 54.157 ms
Loss rate: 0.00%

Run 2: Report of Indigo — Data Link



Run 3: Statistics of Indigo

Start at: 2019-10-03 02:39:16

End at: 2019-10-03 02:39:46

Local clock offset: 2.551 ms

Remote clock offset: 9.82 ms

Below is generated by plot.py at 2019-10-03 06:45:17

Datalink statistics

-- Total of 3 flows:

Average throughput: 88.51 Mbit/s

95th percentile per-packet one-way delay: 40.939 ms

Loss rate: 0.01%

-- Flow 1:

Average throughput: 69.54 Mbit/s

95th percentile per-packet one-way delay: 40.365 ms

Loss rate: 0.01%

-- Flow 2:

Average throughput: 12.83 Mbit/s

95th percentile per-packet one-way delay: 41.332 ms

Loss rate: 0.00%

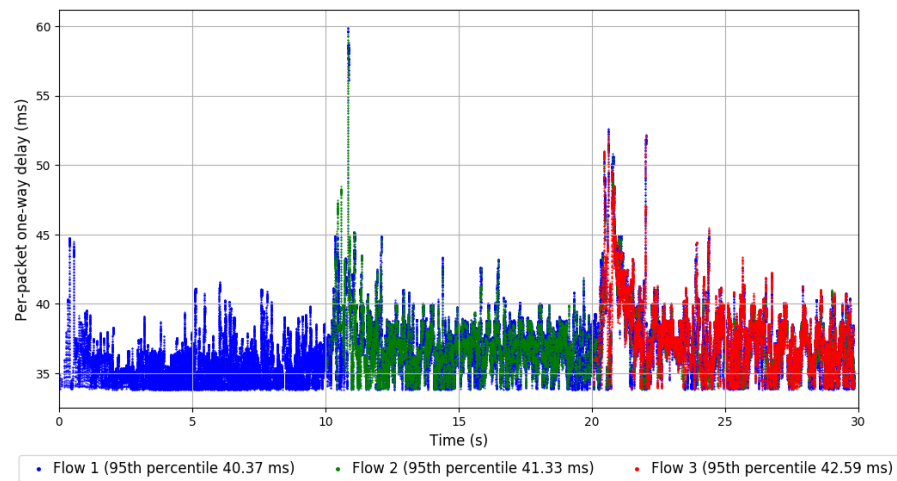
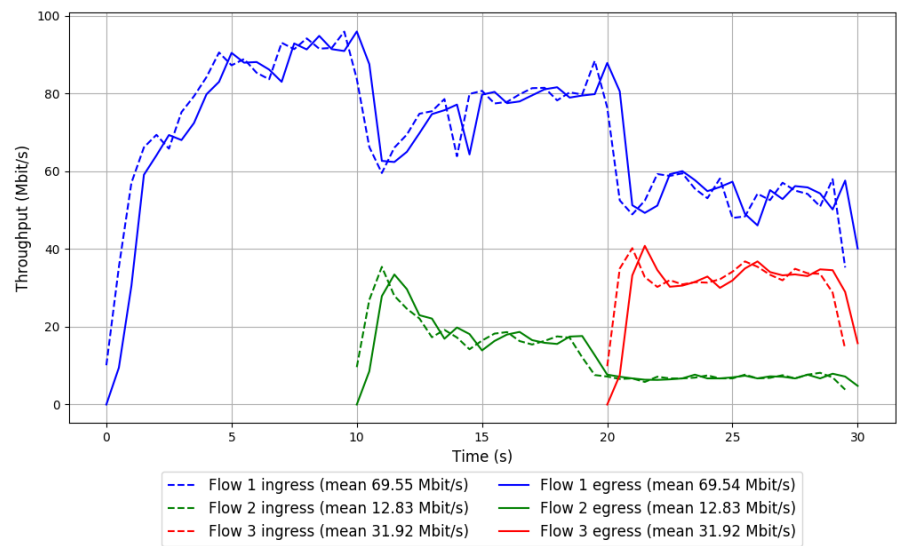
-- Flow 3:

Average throughput: 31.92 Mbit/s

95th percentile per-packet one-way delay: 42.585 ms

Loss rate: 0.00%

Run 3: Report of Indigo — Data Link



Run 4: Statistics of Indigo

Start at: 2019-10-03 04:40:50

End at: 2019-10-03 04:41:20

Local clock offset: 0.099 ms

Remote clock offset: 7.405 ms

Below is generated by plot.py at 2019-10-03 06:45:17

Datalink statistics

-- Total of 3 flows:

Average throughput: 92.15 Mbit/s

95th percentile per-packet one-way delay: 45.872 ms

Loss rate: 0.01%

-- Flow 1:

Average throughput: 66.40 Mbit/s

95th percentile per-packet one-way delay: 44.623 ms

Loss rate: 0.02%

-- Flow 2:

Average throughput: 27.09 Mbit/s

95th percentile per-packet one-way delay: 50.720 ms

Loss rate: 0.00%

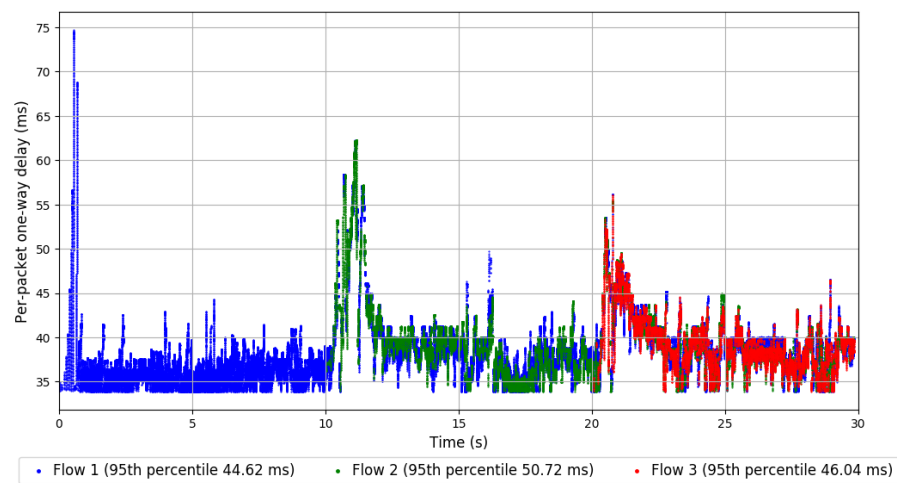
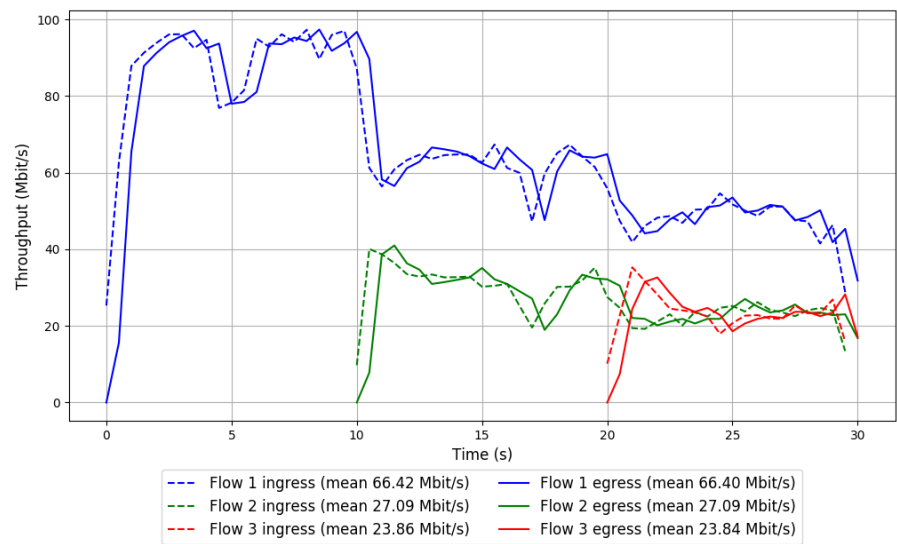
-- Flow 3:

Average throughput: 23.84 Mbit/s

95th percentile per-packet one-way delay: 46.038 ms

Loss rate: 0.01%

Run 4: Report of Indigo — Data Link



Run 5: Statistics of Indigo

Start at: 2019-10-03 05:52:02

End at: 2019-10-03 05:52:32

Local clock offset: 0.184 ms

Remote clock offset: 7.777 ms

Below is generated by plot.py at 2019-10-03 06:45:54

Datalink statistics

-- Total of 3 flows:

Average throughput: 94.16 Mbit/s

95th percentile per-packet one-way delay: 46.811 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 67.22 Mbit/s

95th percentile per-packet one-way delay: 44.681 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 26.27 Mbit/s

95th percentile per-packet one-way delay: 47.931 ms

Loss rate: 0.00%

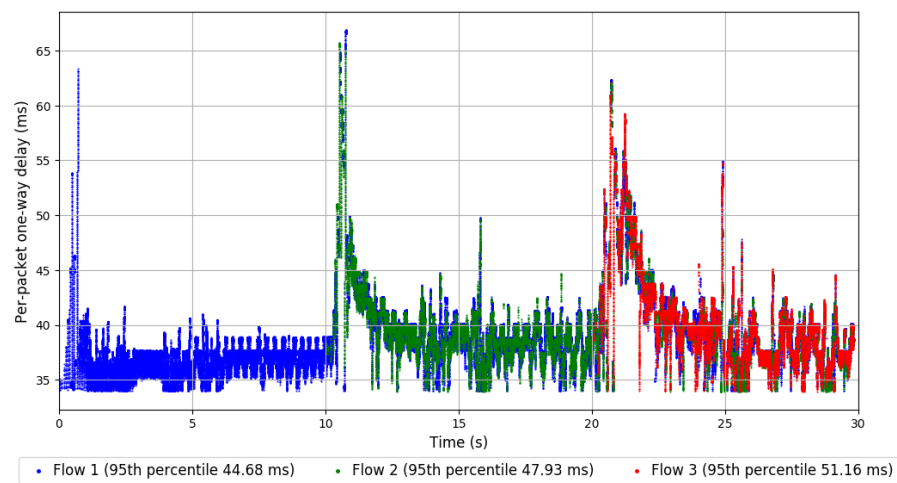
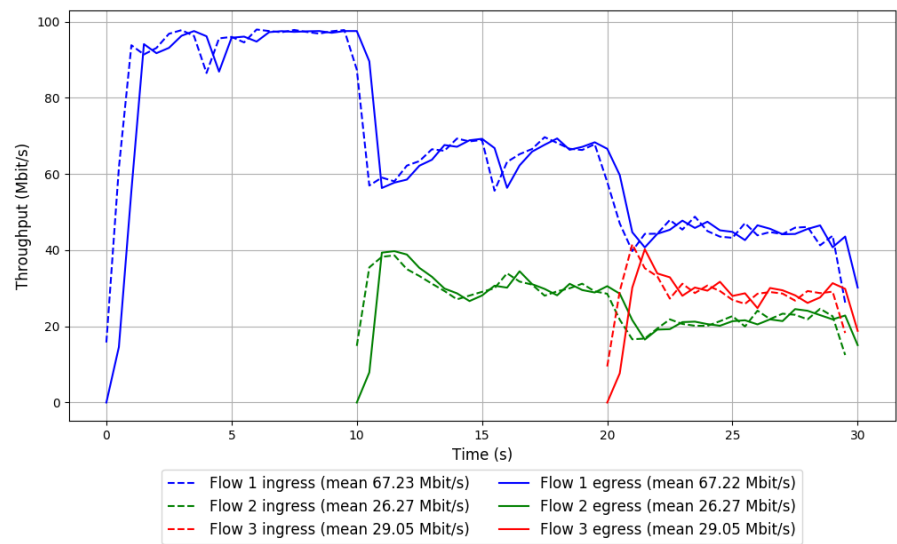
-- Flow 3:

Average throughput: 29.05 Mbit/s

95th percentile per-packet one-way delay: 51.155 ms

Loss rate: 0.00%

Run 5: Report of Indigo — Data Link



Run 1: Statistics of Indigo-MusesC3

Start at: 2019-10-02 23:26:58

End at: 2019-10-02 23:27:28

Local clock offset: -0.412 ms

Remote clock offset: 7.292 ms

Below is generated by plot.py at 2019-10-03 06:45:56

Datalink statistics

-- Total of 3 flows:

Average throughput: 95.69 Mbit/s

95th percentile per-packet one-way delay: 51.787 ms

Loss rate: 0.42%

-- Flow 1:

Average throughput: 59.06 Mbit/s

95th percentile per-packet one-way delay: 49.088 ms

Loss rate: 0.19%

-- Flow 2:

Average throughput: 42.46 Mbit/s

95th percentile per-packet one-way delay: 51.840 ms

Loss rate: 0.56%

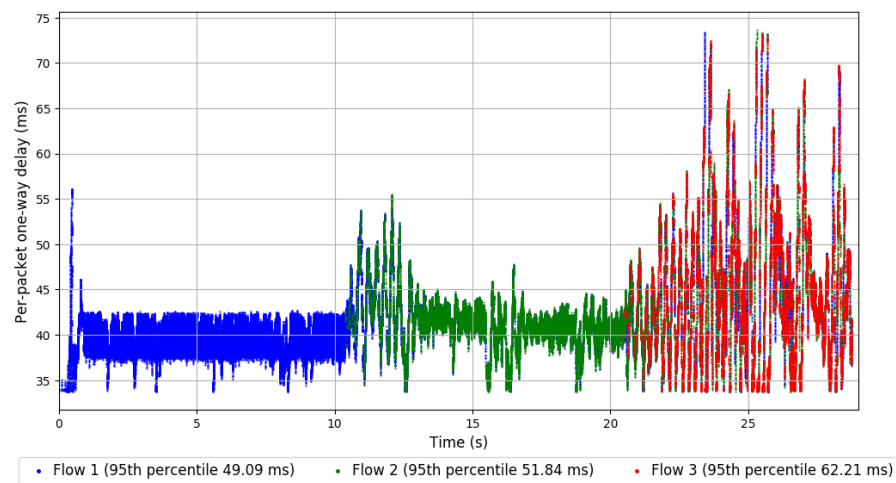
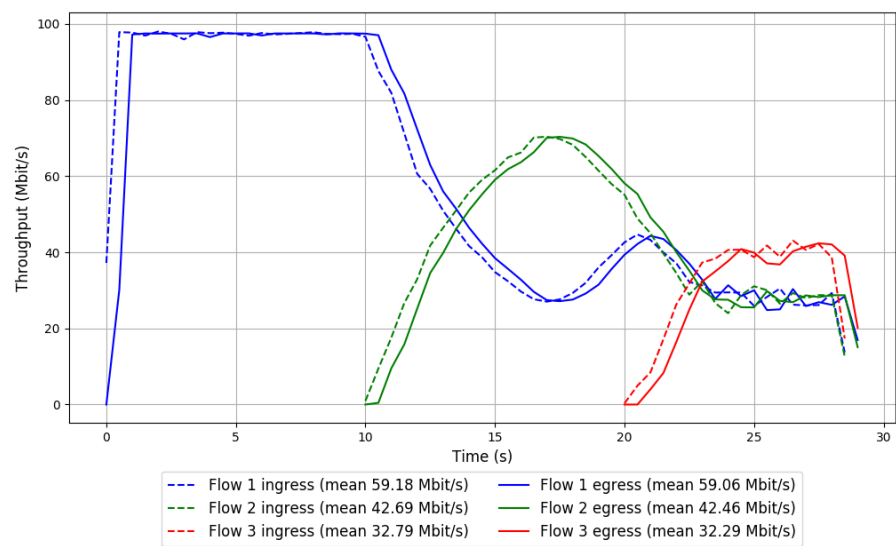
-- Flow 3:

Average throughput: 32.29 Mbit/s

95th percentile per-packet one-way delay: 62.213 ms

Loss rate: 1.52%

Run 1: Report of Indigo-MusesC3 — Data Link



Run 2: Statistics of Indigo-MusesC3

Start at: 2019-10-03 00:52:39

End at: 2019-10-03 00:53:09

Local clock offset: -0.557 ms

Remote clock offset: 7.768 ms

Below is generated by plot.py at 2019-10-03 06:46:10

Datalink statistics

-- Total of 3 flows:

Average throughput: 94.31 Mbit/s

95th percentile per-packet one-way delay: 51.005 ms

Loss rate: 0.47%

-- Flow 1:

Average throughput: 59.39 Mbit/s

95th percentile per-packet one-way delay: 47.039 ms

Loss rate: 0.17%

-- Flow 2:

Average throughput: 40.31 Mbit/s

95th percentile per-packet one-way delay: 51.772 ms

Loss rate: 0.59%

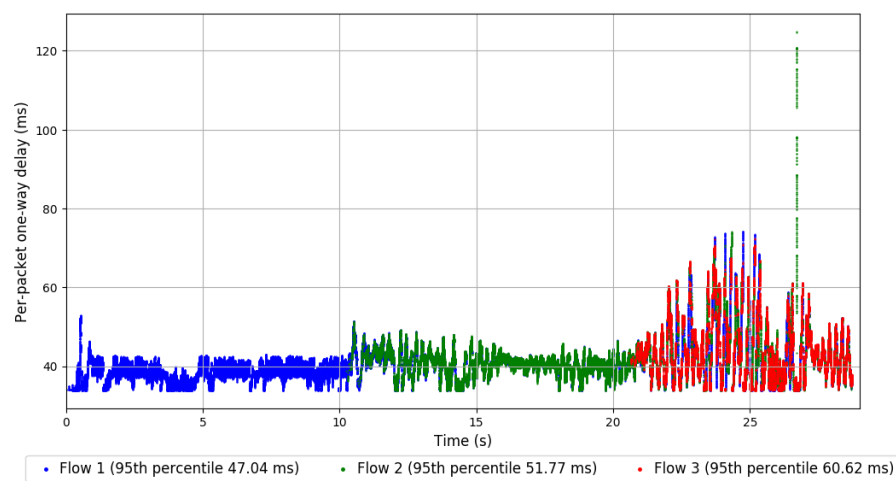
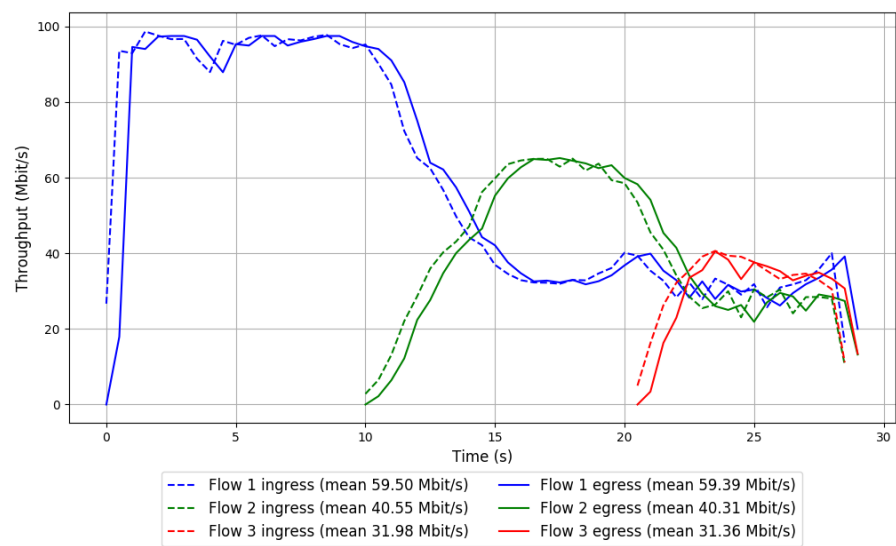
-- Flow 3:

Average throughput: 31.36 Mbit/s

95th percentile per-packet one-way delay: 60.615 ms

Loss rate: 2.02%

Run 2: Report of Indigo-MusesC3 — Data Link



Run 3: Statistics of Indigo-MusesC3

Start at: 2019-10-03 03:33:24

End at: 2019-10-03 03:33:54

Local clock offset: 0.163 ms

Remote clock offset: 7.757 ms

Below is generated by plot.py at 2019-10-03 06:46:13

Datalink statistics

-- Total of 3 flows:

Average throughput: 94.06 Mbit/s

95th percentile per-packet one-way delay: 52.311 ms

Loss rate: 1.01%

-- Flow 1:

Average throughput: 55.54 Mbit/s

95th percentile per-packet one-way delay: 46.386 ms

Loss rate: 0.49%

-- Flow 2:

Average throughput: 41.02 Mbit/s

95th percentile per-packet one-way delay: 51.680 ms

Loss rate: 0.96%

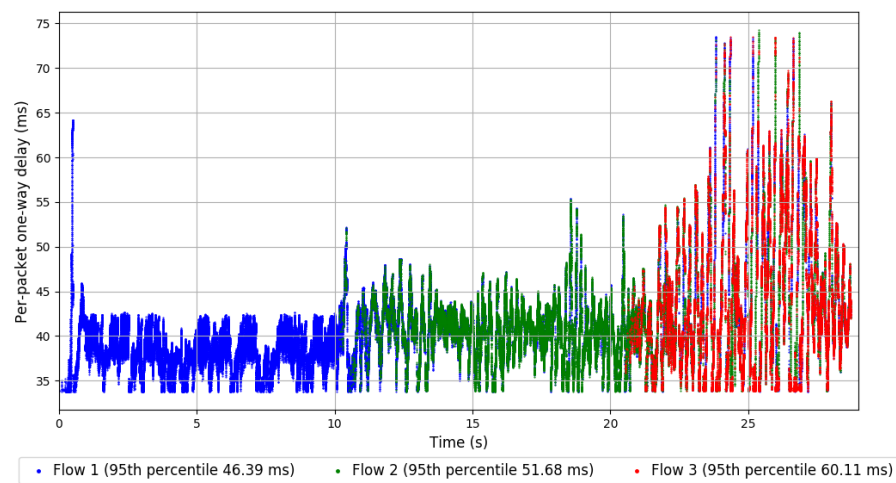
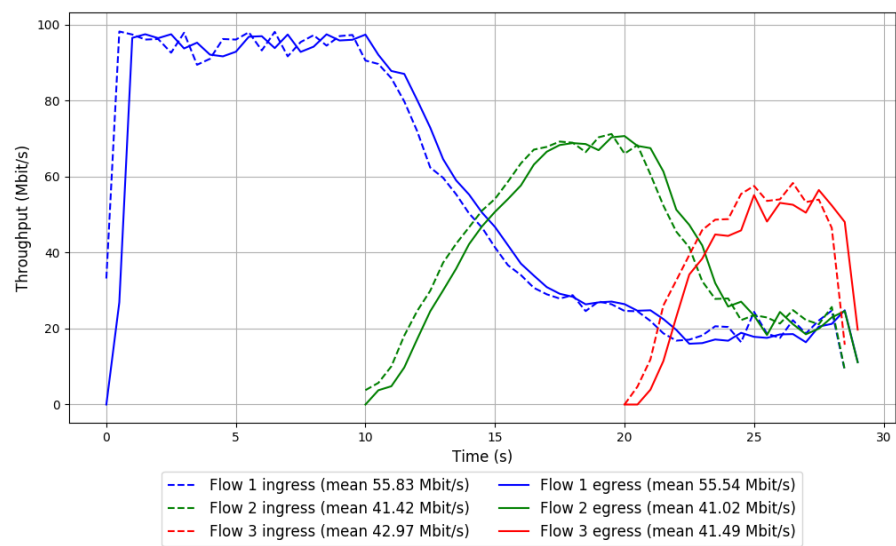
-- Flow 3:

Average throughput: 41.49 Mbit/s

95th percentile per-packet one-way delay: 60.110 ms

Loss rate: 3.44%

Run 3: Report of Indigo-MusesC3 — Data Link



Run 4: Statistics of Indigo-MusesC3

Start at: 2019-10-03 04:59:15

End at: 2019-10-03 04:59:45

Local clock offset: 0.112 ms

Remote clock offset: 7.45 ms

Below is generated by plot.py at 2019-10-03 06:46:16

Datalink statistics

-- Total of 3 flows:

Average throughput: 94.17 Mbit/s

95th percentile per-packet one-way delay: 50.313 ms

Loss rate: 0.21%

-- Flow 1:

Average throughput: 57.07 Mbit/s

95th percentile per-packet one-way delay: 46.725 ms

Loss rate: 0.10%

-- Flow 2:

Average throughput: 43.08 Mbit/s

95th percentile per-packet one-way delay: 51.434 ms

Loss rate: 0.12%

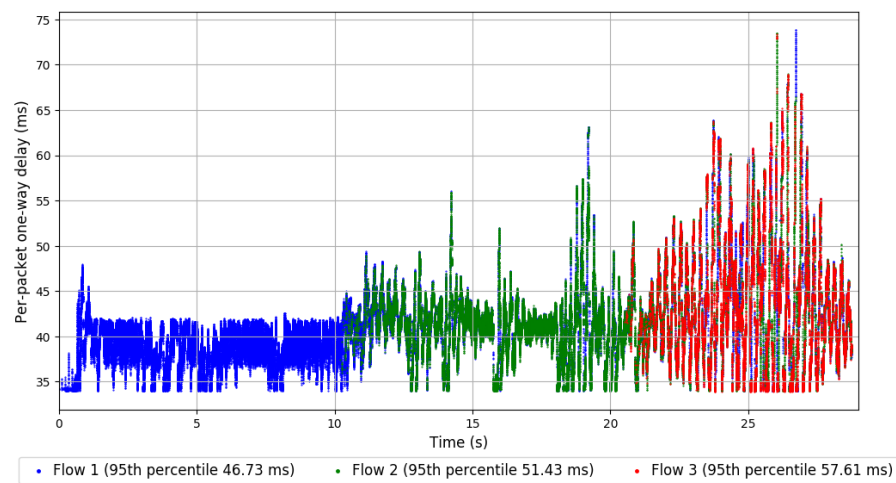
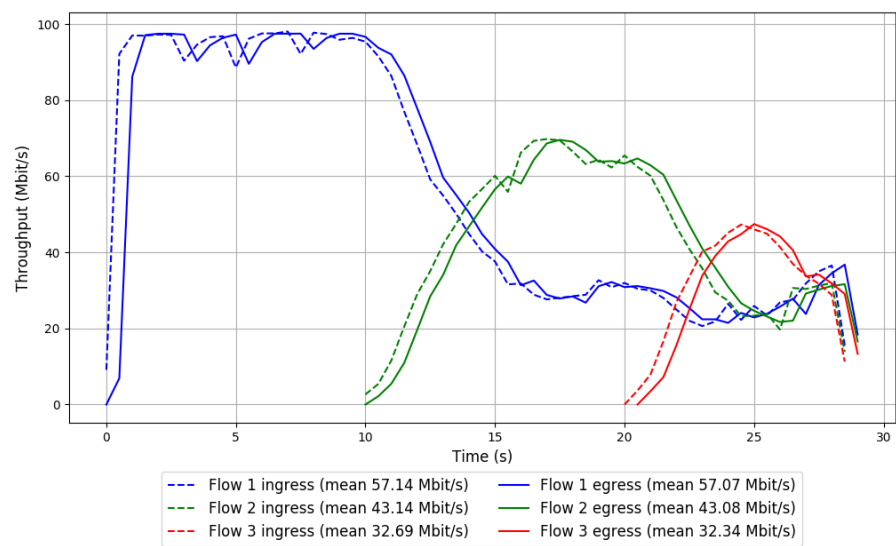
-- Flow 3:

Average throughput: 32.34 Mbit/s

95th percentile per-packet one-way delay: 57.610 ms

Loss rate: 1.10%

Run 4: Report of Indigo-MusesC3 — Data Link



Run 5: Statistics of Indigo-MusesC3

Start at: 2019-10-03 06:10:20

End at: 2019-10-03 06:10:50

Local clock offset: 0.089 ms

Remote clock offset: 7.795 ms

Below is generated by plot.py at 2019-10-03 06:46:23

Datalink statistics

-- Total of 3 flows:

Average throughput: 95.67 Mbit/s

95th percentile per-packet one-way delay: 51.706 ms

Loss rate: 0.37%

-- Flow 1:

Average throughput: 56.94 Mbit/s

95th percentile per-packet one-way delay: 49.100 ms

Loss rate: 0.17%

-- Flow 2:

Average throughput: 44.33 Mbit/s

95th percentile per-packet one-way delay: 52.366 ms

Loss rate: 0.26%

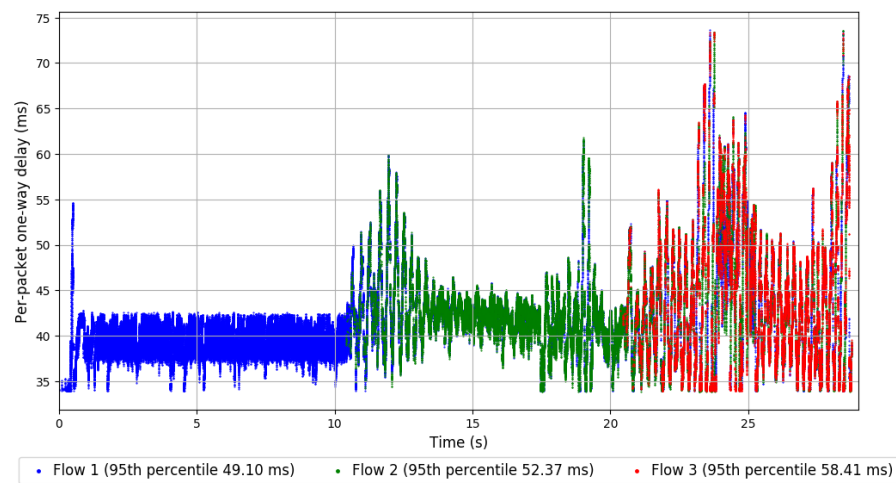
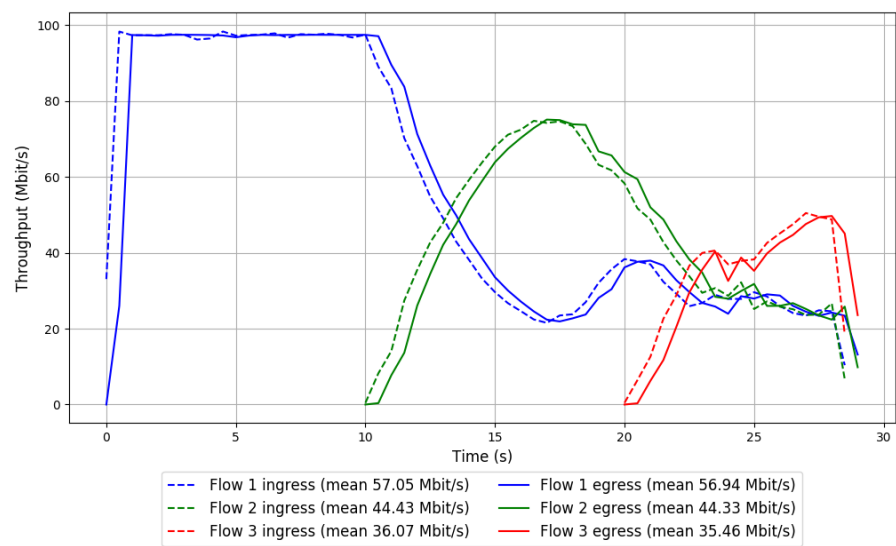
-- Flow 3:

Average throughput: 35.46 Mbit/s

95th percentile per-packet one-way delay: 58.410 ms

Loss rate: 1.71%

Run 5: Report of Indigo-MusesC3 — Data Link



Run 1: Statistics of Indigo-MusesC5

Start at: 2019-10-02 22:37:59

End at: 2019-10-02 22:38:29

Local clock offset: -0.198 ms

Remote clock offset: 7.224 ms

Below is generated by plot.py at 2019-10-03 06:46:24

Datalink statistics

-- Total of 3 flows:

Average throughput: 91.75 Mbit/s

95th percentile per-packet one-way delay: 66.470 ms

Loss rate: 15.36%

-- Flow 1:

Average throughput: 58.47 Mbit/s

95th percentile per-packet one-way delay: 64.259 ms

Loss rate: 12.43%

-- Flow 2:

Average throughput: 50.03 Mbit/s

95th percentile per-packet one-way delay: 68.368 ms

Loss rate: 19.72%

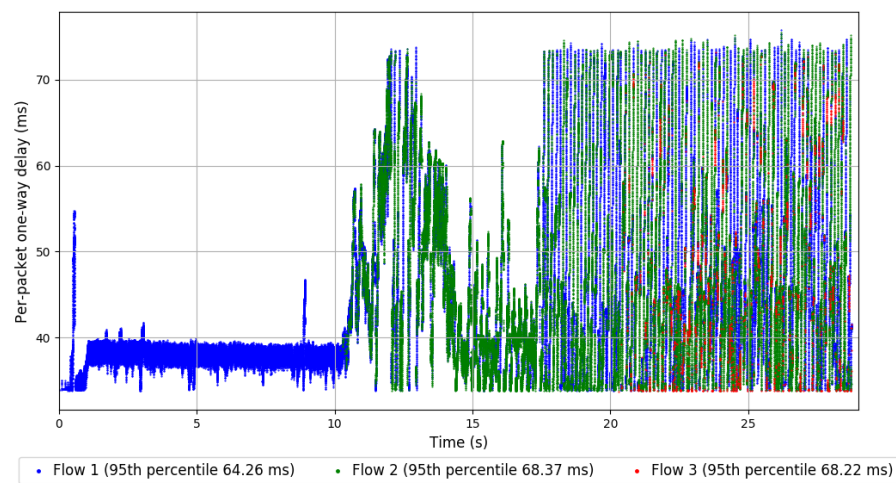
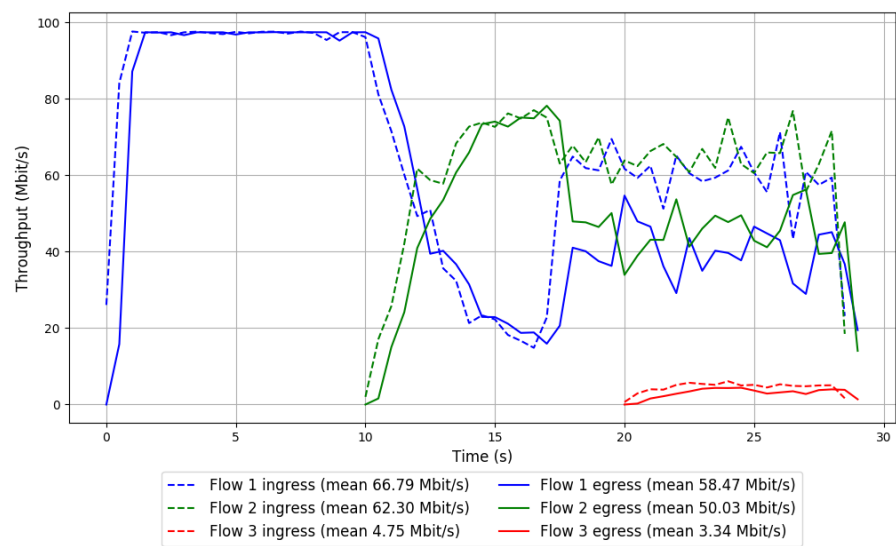
-- Flow 3:

Average throughput: 3.34 Mbit/s

95th percentile per-packet one-way delay: 68.221 ms

Loss rate: 29.71%

Run 1: Report of Indigo-MusesC5 — Data Link

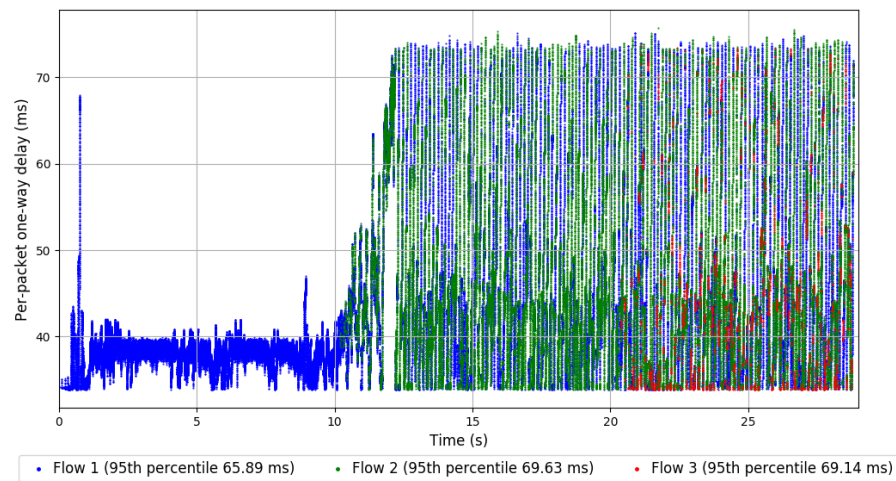
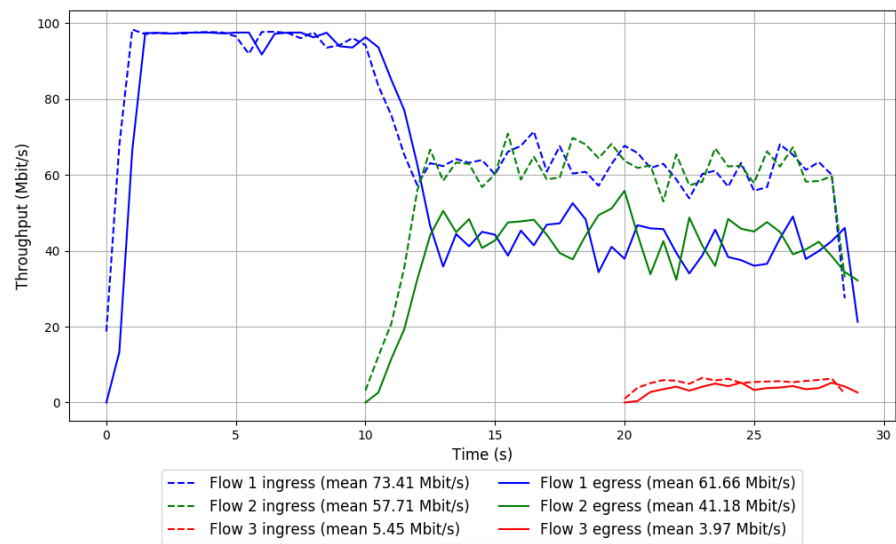


Run 2: Statistics of Indigo-MusesC5

Start at: 2019-10-03 00:00:20
End at: 2019-10-03 00:00:50
Local clock offset: -0.319 ms
Remote clock offset: 7.404 ms

Below is generated by plot.py at 2019-10-03 06:46:26
Datalink statistics
-- Total of 3 flows:
Average throughput: 89.58 Mbit/s
95th percentile per-packet one-way delay: 67.626 ms
Loss rate: 20.26%
-- Flow 1:
Average throughput: 61.66 Mbit/s
95th percentile per-packet one-way delay: 65.894 ms
Loss rate: 15.90%
-- Flow 2:
Average throughput: 41.18 Mbit/s
95th percentile per-packet one-way delay: 69.626 ms
Loss rate: 28.52%
-- Flow 3:
Average throughput: 3.97 Mbit/s
95th percentile per-packet one-way delay: 69.136 ms
Loss rate: 27.02%

Run 2: Report of Indigo-MusesC5 — Data Link



Run 3: Statistics of Indigo-MusesC5

Start at: 2019-10-03 02:00:22

End at: 2019-10-03 02:00:52

Local clock offset: -0.456 ms

Remote clock offset: 8.325 ms

Below is generated by plot.py at 2019-10-03 06:47:02

Datalink statistics

-- Total of 3 flows:

Average throughput: 87.35 Mbit/s

95th percentile per-packet one-way delay: 68.699 ms

Loss rate: 19.81%

-- Flow 1:

Average throughput: 59.20 Mbit/s

95th percentile per-packet one-way delay: 67.003 ms

Loss rate: 15.40%

-- Flow 2:

Average throughput: 42.06 Mbit/s

95th percentile per-packet one-way delay: 70.099 ms

Loss rate: 27.81%

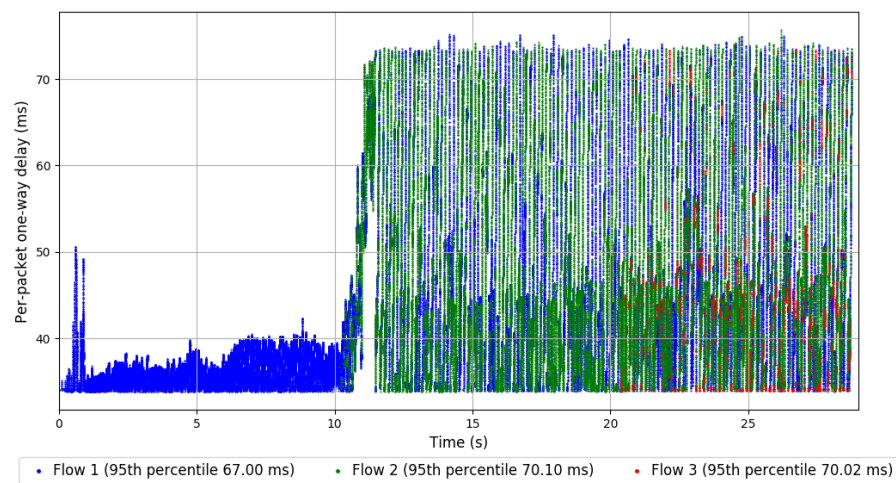
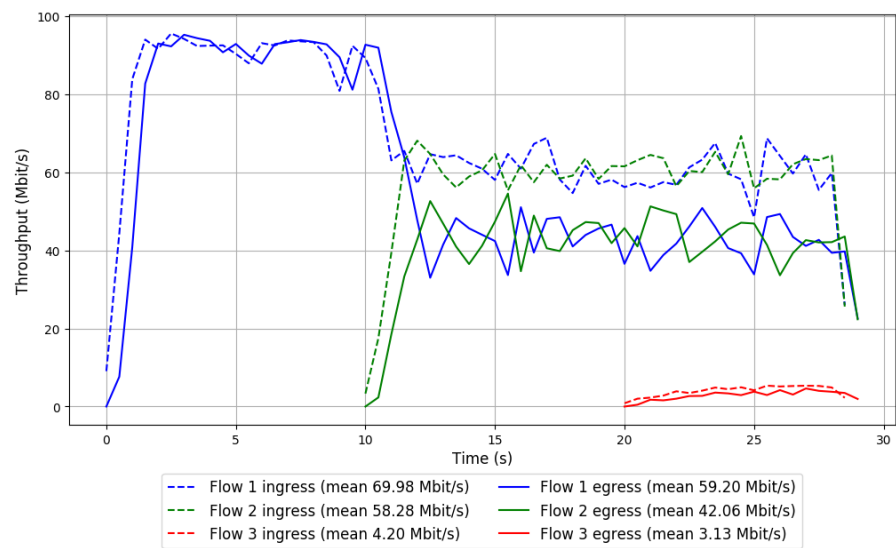
-- Flow 3:

Average throughput: 3.13 Mbit/s

95th percentile per-packet one-way delay: 70.016 ms

Loss rate: 25.65%

Run 3: Report of Indigo-MusesC5 — Data Link



Run 4: Statistics of Indigo-MusesC5

Start at: 2019-10-03 04:22:31

End at: 2019-10-03 04:23:01

Local clock offset: 0.142 ms

Remote clock offset: 7.206 ms

Below is generated by plot.py at 2019-10-03 06:47:05

Datalink statistics

-- Total of 3 flows:

Average throughput: 89.84 Mbit/s

95th percentile per-packet one-way delay: 68.402 ms

Loss rate: 19.74%

-- Flow 1:

Average throughput: 61.89 Mbit/s

95th percentile per-packet one-way delay: 66.716 ms

Loss rate: 15.98%

-- Flow 2:

Average throughput: 42.79 Mbit/s

95th percentile per-packet one-way delay: 70.112 ms

Loss rate: 26.96%

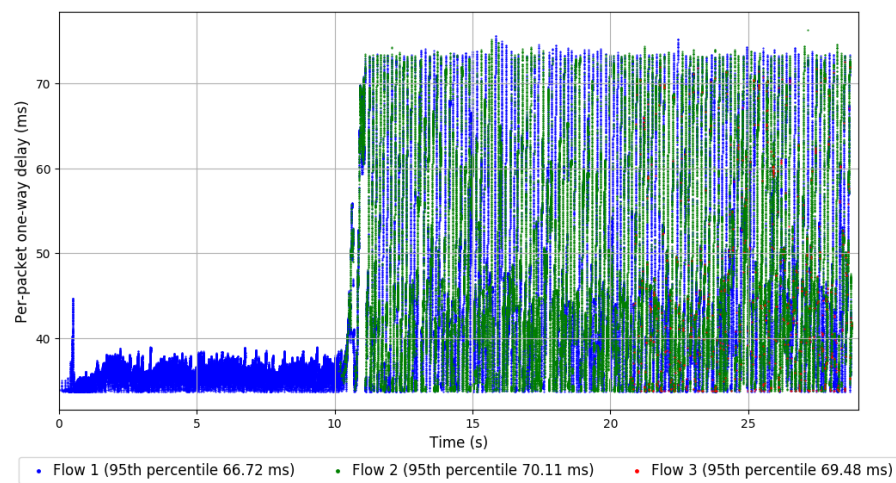
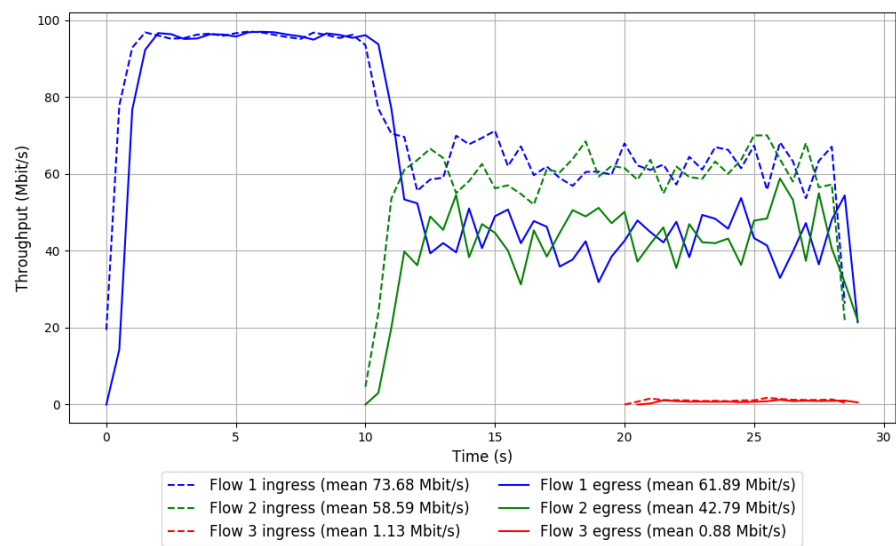
-- Flow 3:

Average throughput: 0.88 Mbit/s

95th percentile per-packet one-way delay: 69.479 ms

Loss rate: 27.03%

Run 4: Report of Indigo-MusesC5 — Data Link



Run 5: Statistics of Indigo-MusesC5

Start at: 2019-10-03 05:35:07

End at: 2019-10-03 05:35:37

Local clock offset: 0.155 ms

Remote clock offset: 7.875 ms

Below is generated by plot.py at 2019-10-03 06:47:18

Datalink statistics

-- Total of 3 flows:

Average throughput: 91.70 Mbit/s

95th percentile per-packet one-way delay: 68.207 ms

Loss rate: 13.07%

-- Flow 1:

Average throughput: 58.31 Mbit/s

95th percentile per-packet one-way delay: 67.154 ms

Loss rate: 10.21%

-- Flow 2:

Average throughput: 50.61 Mbit/s

95th percentile per-packet one-way delay: 69.442 ms

Loss rate: 17.40%

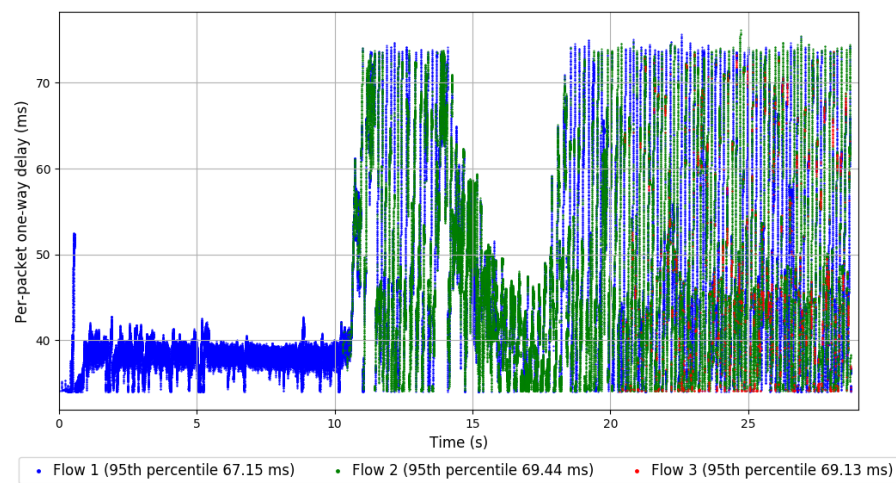
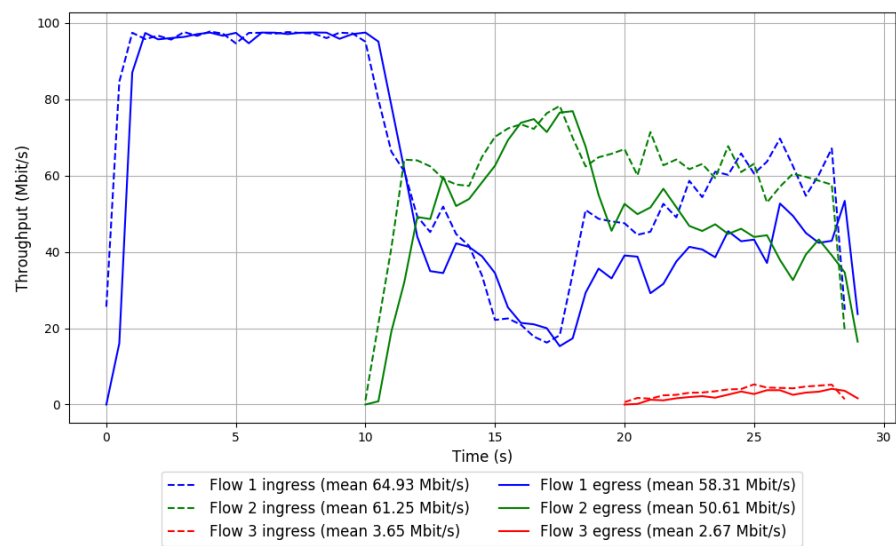
-- Flow 3:

Average throughput: 2.67 Mbit/s

95th percentile per-packet one-way delay: 69.127 ms

Loss rate: 26.86%

Run 5: Report of Indigo-MusesC5 — Data Link



Run 1: Statistics of Indigo-MusesD

Start at: 2019-10-02 23:36:43

End at: 2019-10-02 23:37:13

Local clock offset: -0.332 ms

Remote clock offset: 7.455 ms

Below is generated by plot.py at 2019-10-03 06:47:22

Datalink statistics

-- Total of 3 flows:

Average throughput: 93.34 Mbit/s

95th percentile per-packet one-way delay: 69.400 ms

Loss rate: 9.67%

-- Flow 1:

Average throughput: 84.07 Mbit/s

95th percentile per-packet one-way delay: 69.324 ms

Loss rate: 8.62%

-- Flow 2:

Average throughput: 13.64 Mbit/s

95th percentile per-packet one-way delay: 69.939 ms

Loss rate: 17.95%

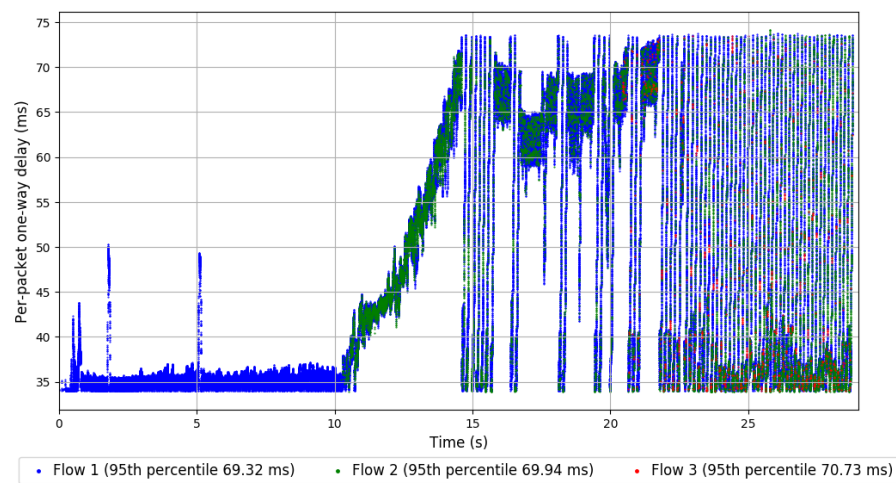
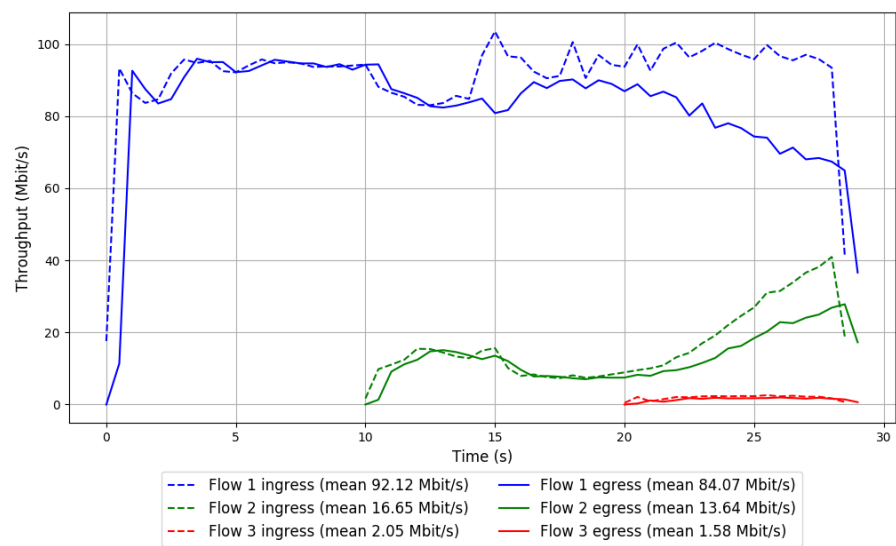
-- Flow 3:

Average throughput: 1.58 Mbit/s

95th percentile per-packet one-way delay: 70.729 ms

Loss rate: 23.02%

Run 1: Report of Indigo-MusesD — Data Link



Run 2: Statistics of Indigo-MusesD

Start at: 2019-10-03 01:26:41

End at: 2019-10-03 01:27:11

Local clock offset: -0.616 ms

Remote clock offset: 8.361 ms

Below is generated by plot.py at 2019-10-03 06:47:22

Datalink statistics

-- Total of 3 flows:

Average throughput: 94.10 Mbit/s

95th percentile per-packet one-way delay: 41.163 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 55.98 Mbit/s

95th percentile per-packet one-way delay: 40.499 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 47.90 Mbit/s

95th percentile per-packet one-way delay: 40.384 ms

Loss rate: 0.00%

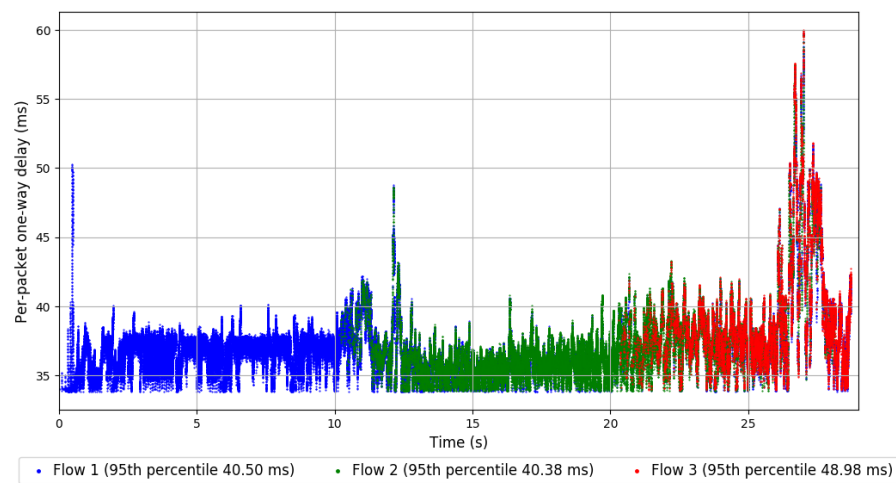
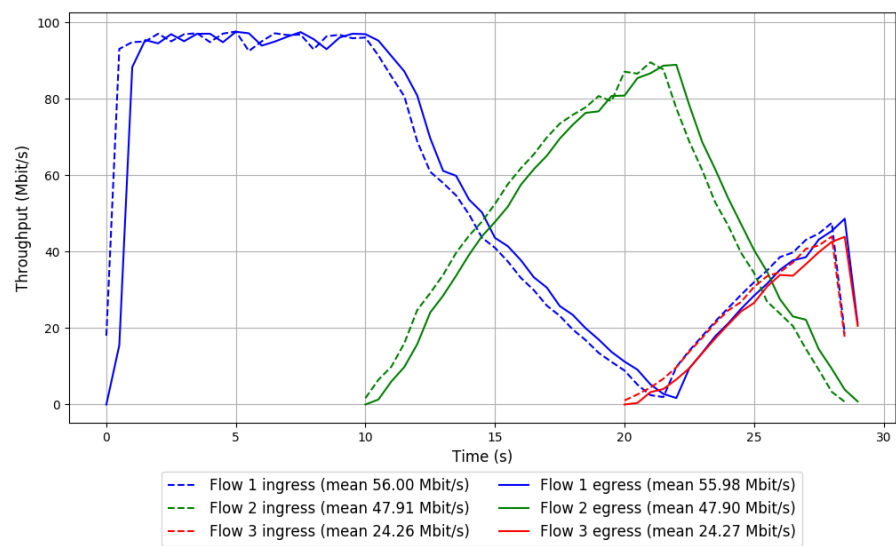
-- Flow 3:

Average throughput: 24.27 Mbit/s

95th percentile per-packet one-way delay: 48.984 ms

Loss rate: 0.01%

Run 2: Report of Indigo-MusesD — Data Link



Run 3: Statistics of Indigo-MusesD

Start at: 2019-10-03 03:54:25

End at: 2019-10-03 03:54:55

Local clock offset: 0.151 ms

Remote clock offset: 6.703 ms

Below is generated by plot.py at 2019-10-03 06:47:31

Datalink statistics

-- Total of 3 flows:

Average throughput: 94.68 Mbit/s

95th percentile per-packet one-way delay: 56.088 ms

Loss rate: 5.89%

-- Flow 1:

Average throughput: 52.83 Mbit/s

95th percentile per-packet one-way delay: 40.368 ms

Loss rate: 1.62%

-- Flow 2:

Average throughput: 56.57 Mbit/s

95th percentile per-packet one-way delay: 61.661 ms

Loss rate: 9.25%

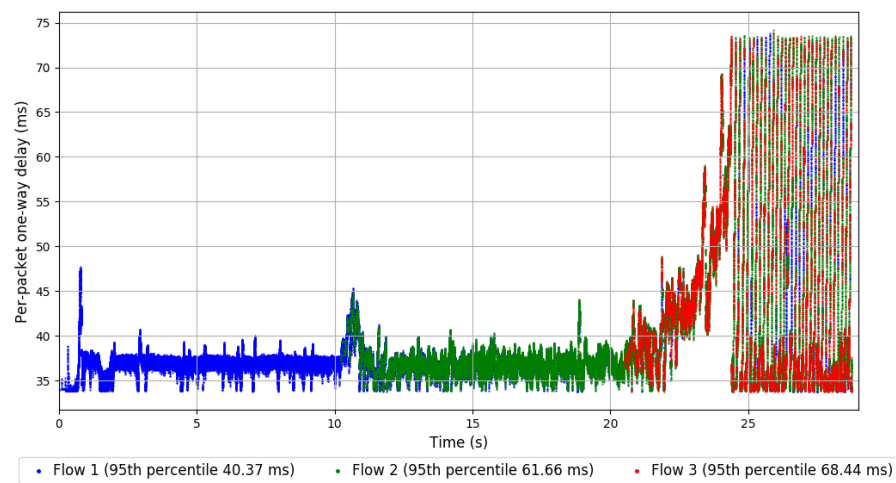
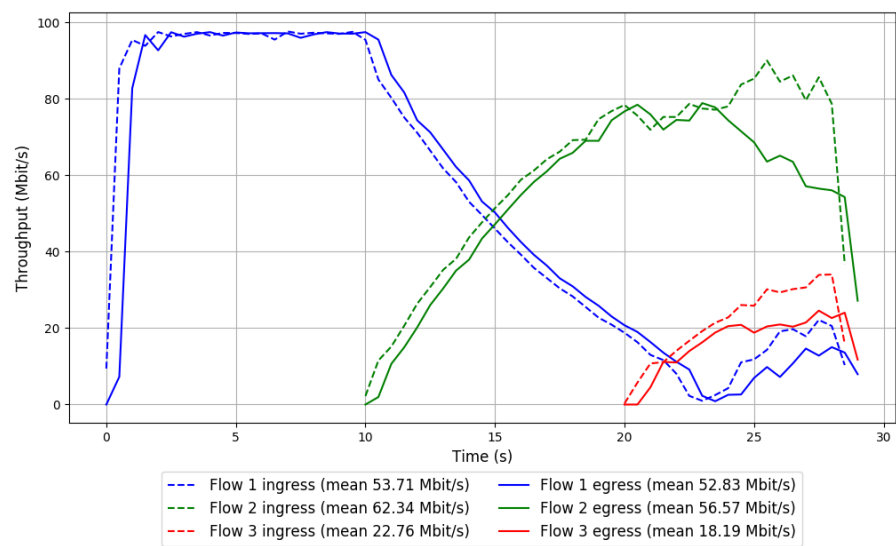
-- Flow 3:

Average throughput: 18.19 Mbit/s

95th percentile per-packet one-way delay: 68.445 ms

Loss rate: 20.08%

Run 3: Report of Indigo-MusesD — Data Link



Run 4: Statistics of Indigo-MusesD

Start at: 2019-10-03 05:10:40

End at: 2019-10-03 05:11:10

Local clock offset: 0.139 ms

Remote clock offset: 7.499 ms

Below is generated by plot.py at 2019-10-03 06:47:32

Datalink statistics

-- Total of 3 flows:

Average throughput: 95.17 Mbit/s

95th percentile per-packet one-way delay: 48.289 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 57.69 Mbit/s

95th percentile per-packet one-way delay: 41.470 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 44.84 Mbit/s

95th percentile per-packet one-way delay: 44.873 ms

Loss rate: 0.00%

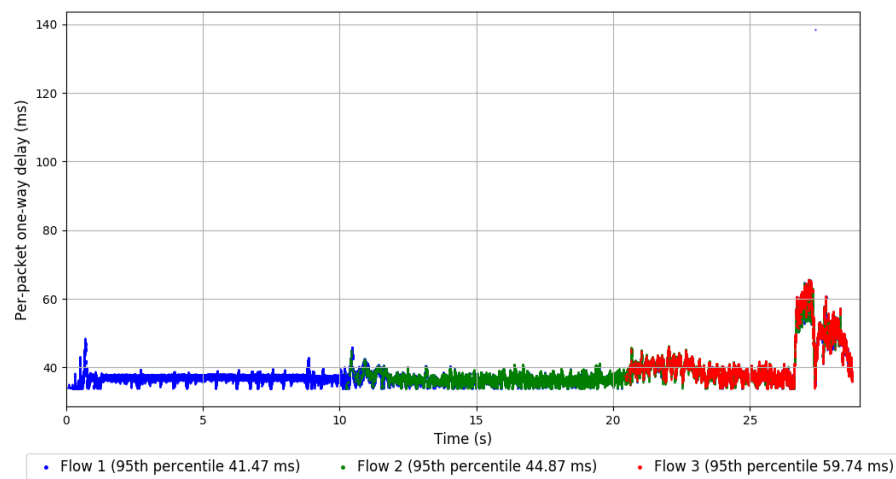
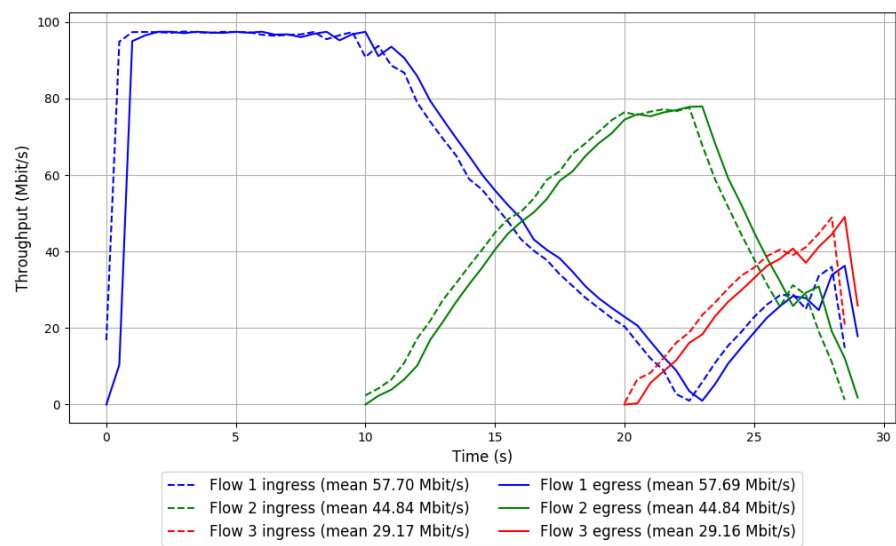
-- Flow 3:

Average throughput: 29.16 Mbit/s

95th percentile per-packet one-way delay: 59.744 ms

Loss rate: 0.00%

Run 4: Report of Indigo-MusesD — Data Link



Run 5: Statistics of Indigo-MusesD

Start at: 2019-10-03 06:21:45

End at: 2019-10-03 06:22:15

Local clock offset: 0.118 ms

Remote clock offset: 7.905 ms

Below is generated by plot.py at 2019-10-03 06:47:35

Datalink statistics

-- Total of 3 flows:

Average throughput: 95.06 Mbit/s

95th percentile per-packet one-way delay: 60.118 ms

Loss rate: 3.41%

-- Flow 1:

Average throughput: 53.21 Mbit/s

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

Loss rate: 0.76%

-- Flow 2:

Average throughput: 58.67 Mbit/s

95th percentile per-packet one-way delay: 64.714 ms

Loss rate: 6.33%

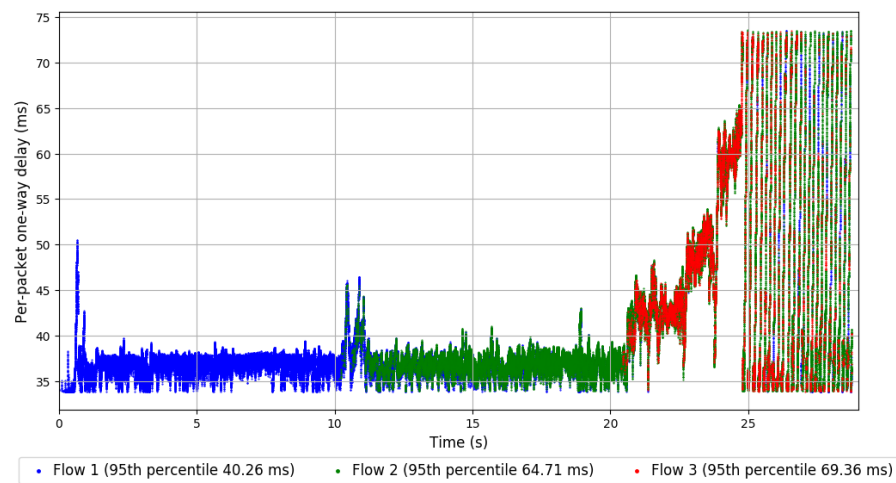
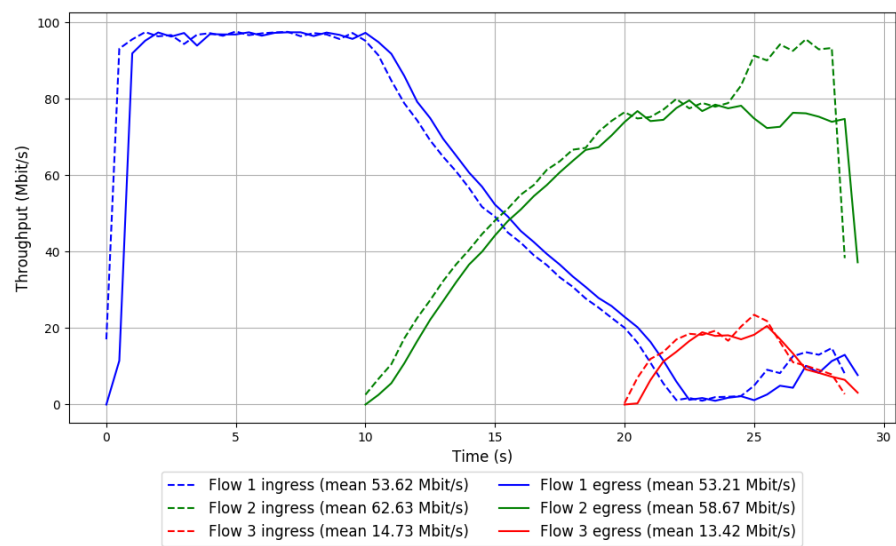
-- Flow 3:

Average throughput: 13.42 Mbit/s

95th percentile per-packet one-way delay: 69.355 ms

Loss rate: 8.87%

Run 5: Report of Indigo-MusesD — Data Link



Run 1: Statistics of Indigo-MusesT

Start at: 2019-10-02 22:41:46

End at: 2019-10-02 22:42:16

Local clock offset: -0.248 ms

Remote clock offset: 7.068 ms

Below is generated by plot.py at 2019-10-03 06:48:17

Datalink statistics

-- Total of 3 flows:

Average throughput: 89.35 Mbit/s

95th percentile per-packet one-way delay: 68.434 ms

Loss rate: 26.07%

-- Flow 1:

Average throughput: 59.23 Mbit/s

95th percentile per-packet one-way delay: 66.386 ms

Loss rate: 20.78%

-- Flow 2:

Average throughput: 45.54 Mbit/s

95th percentile per-packet one-way delay: 70.182 ms

Loss rate: 34.86%

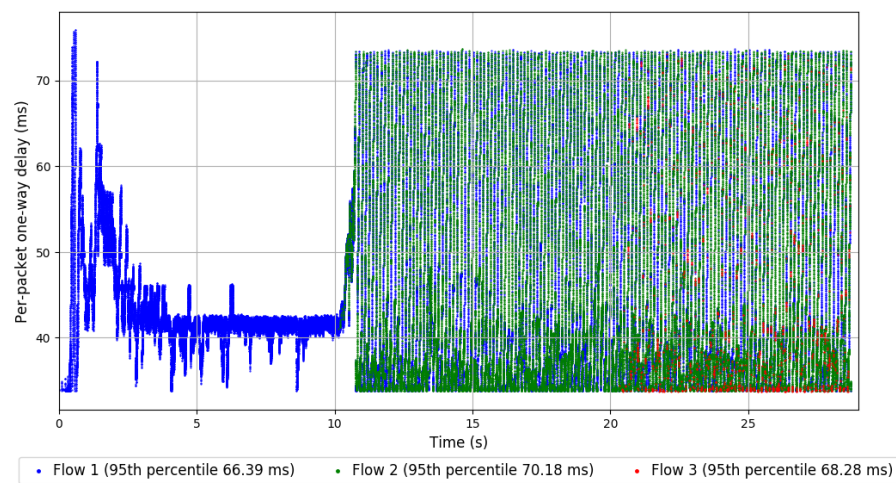
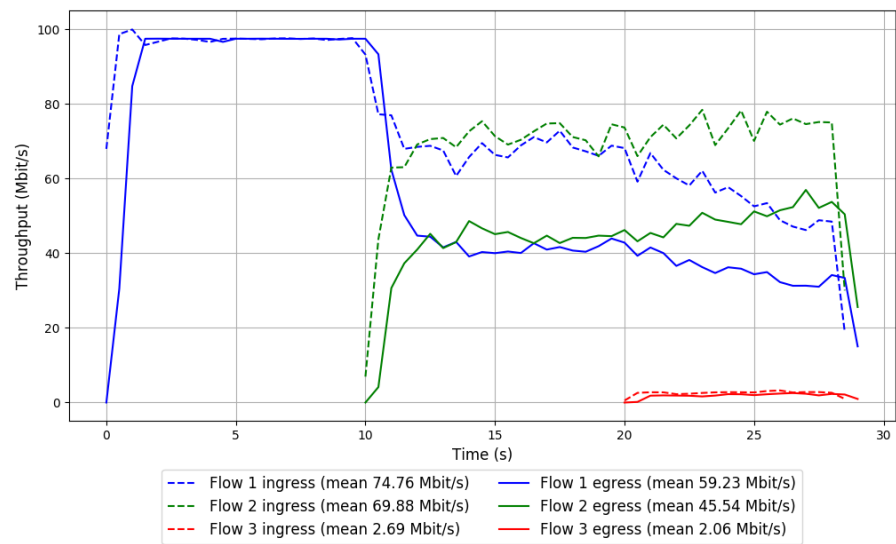
-- Flow 3:

Average throughput: 2.06 Mbit/s

95th percentile per-packet one-way delay: 68.277 ms

Loss rate: 23.47%

Run 1: Report of Indigo-MusesT — Data Link



Run 2: Statistics of Indigo-MusesT

Start at: 2019-10-03 00:05:57

End at: 2019-10-03 00:06:27

Local clock offset: -0.341 ms

Remote clock offset: 7.523 ms

Below is generated by plot.py at 2019-10-03 06:48:19

Datalink statistics

-- Total of 3 flows:

Average throughput: 88.65 Mbit/s

95th percentile per-packet one-way delay: 68.277 ms

Loss rate: 22.48%

-- Flow 1:

Average throughput: 63.03 Mbit/s

95th percentile per-packet one-way delay: 66.762 ms

Loss rate: 17.40%

-- Flow 2:

Average throughput: 38.27 Mbit/s

95th percentile per-packet one-way delay: 70.311 ms

Loss rate: 32.78%

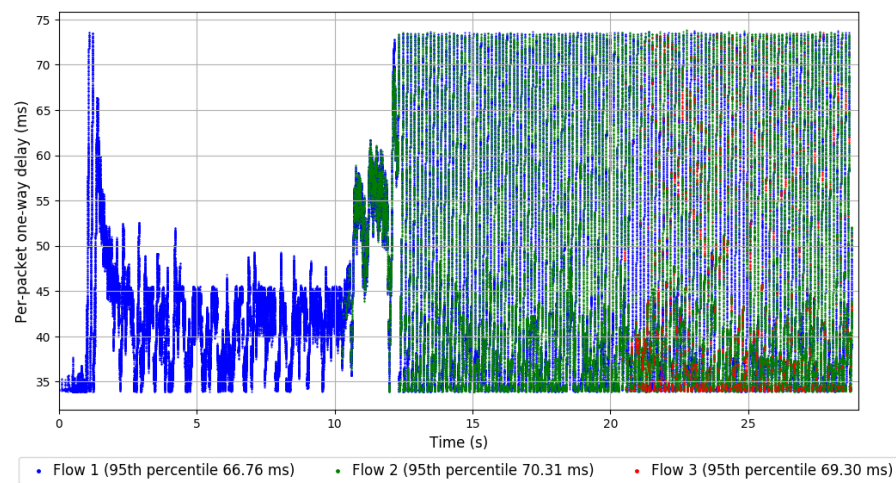
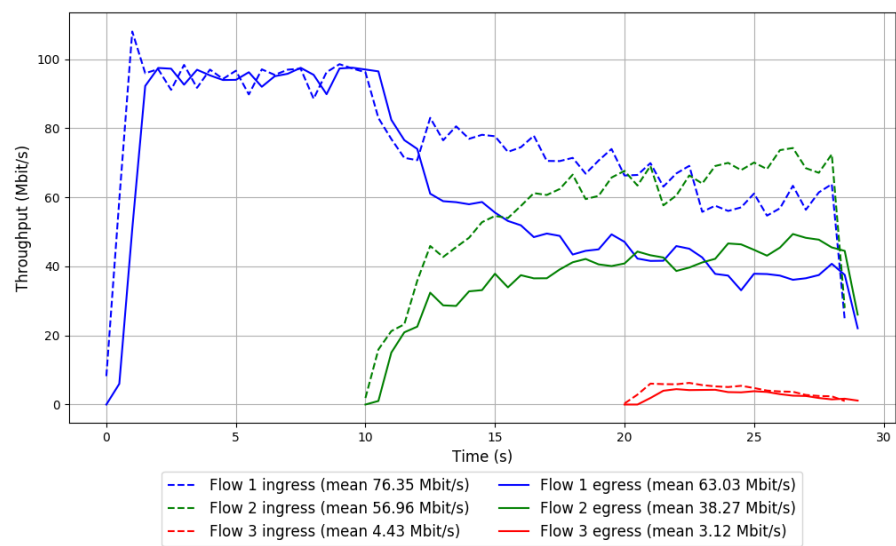
-- Flow 3:

Average throughput: 3.12 Mbit/s

95th percentile per-packet one-way delay: 69.301 ms

Loss rate: 29.45%

Run 2: Report of Indigo-MusesT — Data Link



Run 3: Statistics of Indigo-MusesT

Start at: 2019-10-03 02:14:07

End at: 2019-10-03 02:14:37

Local clock offset: 0.711 ms

Remote clock offset: 8.858 ms

Below is generated by plot.py at 2019-10-03 06:48:30

Datalink statistics

-- Total of 3 flows:

Average throughput: 89.15 Mbit/s

95th percentile per-packet one-way delay: 68.508 ms

Loss rate: 26.94%

-- Flow 1:

Average throughput: 63.24 Mbit/s

95th percentile per-packet one-way delay: 66.938 ms

Loss rate: 21.40%

-- Flow 2:

Average throughput: 39.28 Mbit/s

95th percentile per-packet one-way delay: 70.409 ms

Loss rate: 37.80%

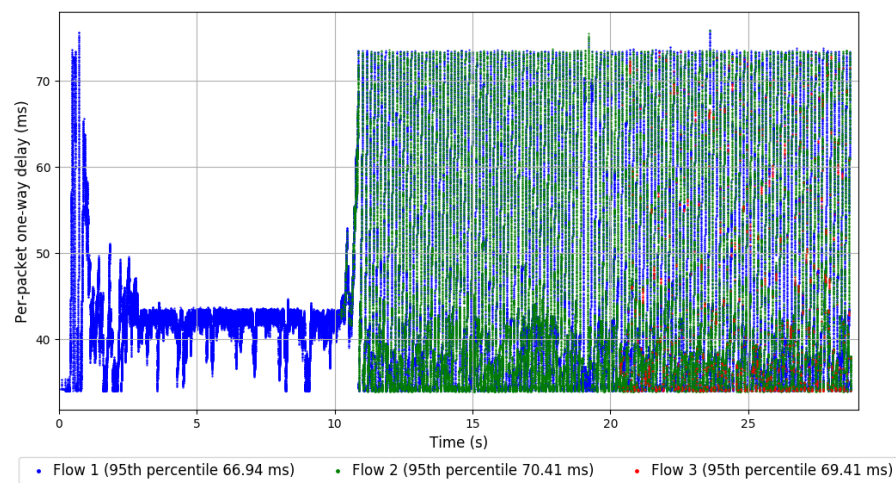
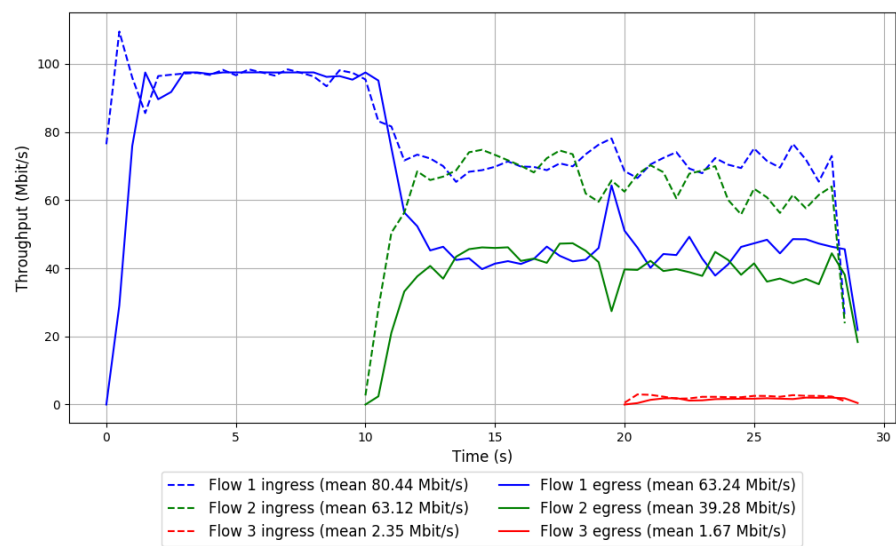
-- Flow 3:

Average throughput: 1.67 Mbit/s

95th percentile per-packet one-way delay: 69.412 ms

Loss rate: 29.00%

Run 3: Report of Indigo-MusesT — Data Link



Run 4: Statistics of Indigo-MusesT

Start at: 2019-10-03 04:27:36

End at: 2019-10-03 04:28:06

Local clock offset: 0.104 ms

Remote clock offset: 7.361 ms

Below is generated by plot.py at 2019-10-03 06:48:32

Datalink statistics

-- Total of 3 flows:

Average throughput: 90.81 Mbit/s

95th percentile per-packet one-way delay: 68.650 ms

Loss rate: 15.76%

-- Flow 1:

Average throughput: 63.80 Mbit/s

95th percentile per-packet one-way delay: 66.932 ms

Loss rate: 12.08%

-- Flow 2:

Average throughput: 38.30 Mbit/s

95th percentile per-packet one-way delay: 70.413 ms

Loss rate: 23.29%

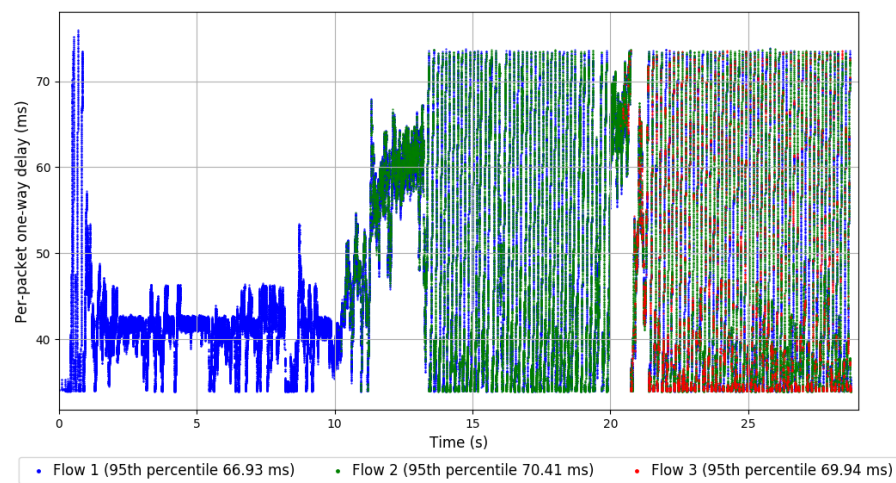
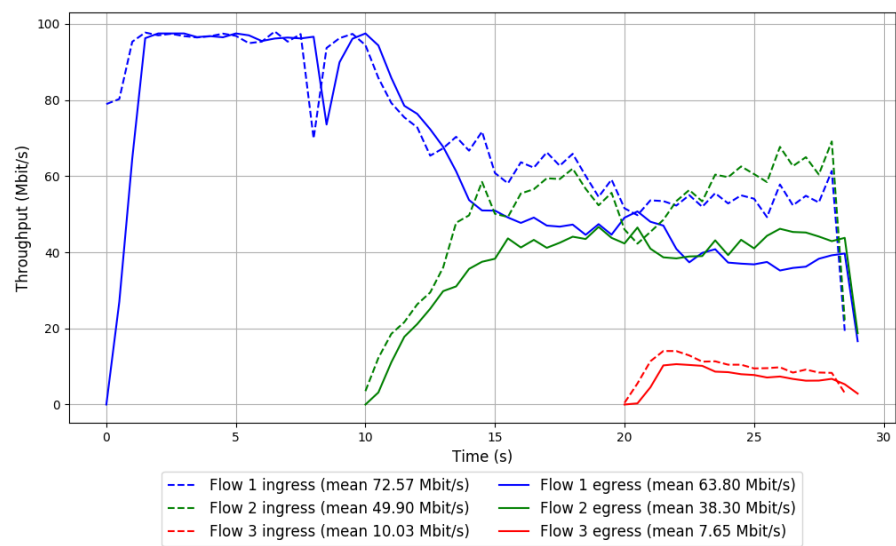
-- Flow 3:

Average throughput: 7.65 Mbit/s

95th percentile per-packet one-way delay: 69.942 ms

Loss rate: 23.95%

Run 4: Report of Indigo-MusesT — Data Link



Run 5: Statistics of Indigo-MusesT

Start at: 2019-10-03 05:39:10

End at: 2019-10-03 05:39:40

Local clock offset: 0.177 ms

Remote clock offset: 7.924 ms

Below is generated by plot.py at 2019-10-03 06:48:34

Datalink statistics

-- Total of 3 flows:

Average throughput: 93.90 Mbit/s

95th percentile per-packet one-way delay: 66.681 ms

Loss rate: 10.25%

-- Flow 1:

Average throughput: 54.62 Mbit/s

95th percentile per-packet one-way delay: 63.693 ms

Loss rate: 7.81%

-- Flow 2:

Average throughput: 57.41 Mbit/s

95th percentile per-packet one-way delay: 68.442 ms

Loss rate: 12.82%

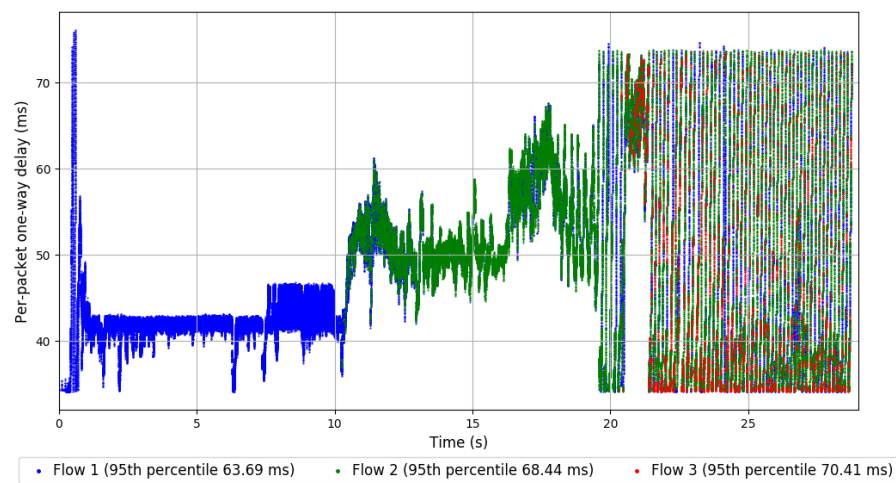
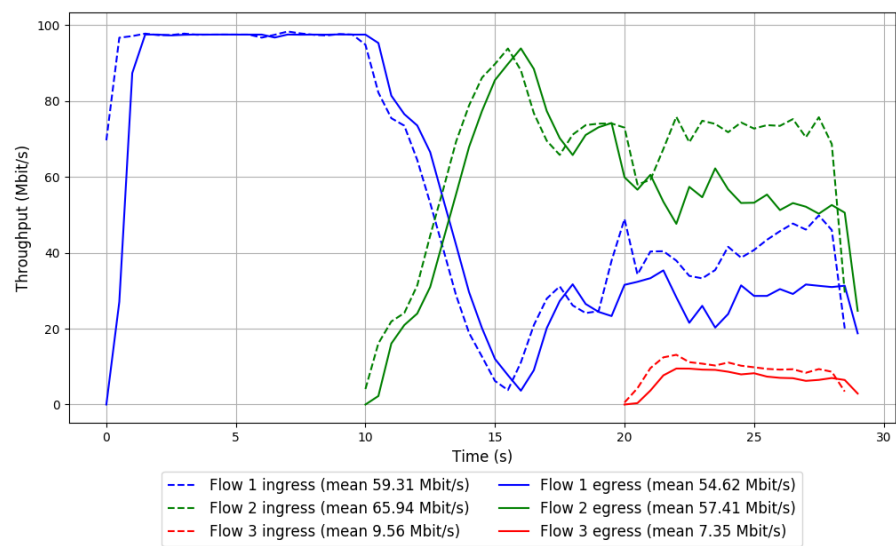
-- Flow 3:

Average throughput: 7.35 Mbit/s

95th percentile per-packet one-way delay: 70.406 ms

Loss rate: 22.80%

Run 5: Report of Indigo-MusesT — Data Link

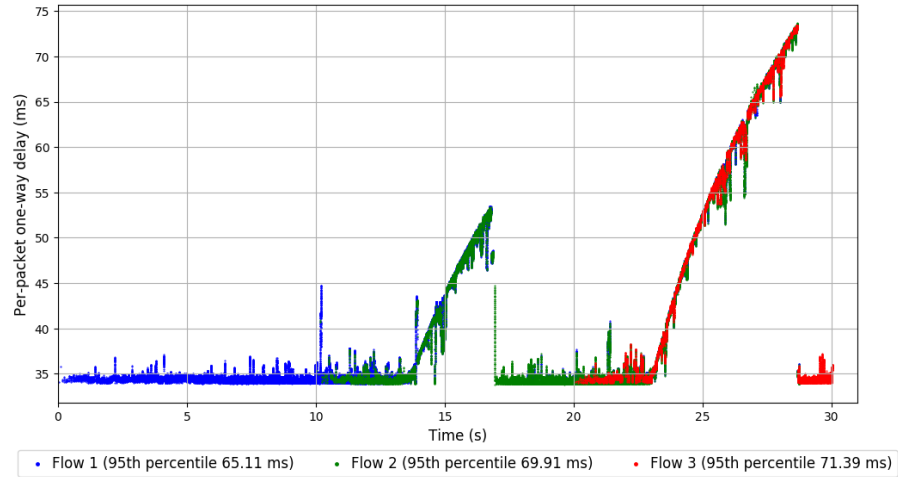
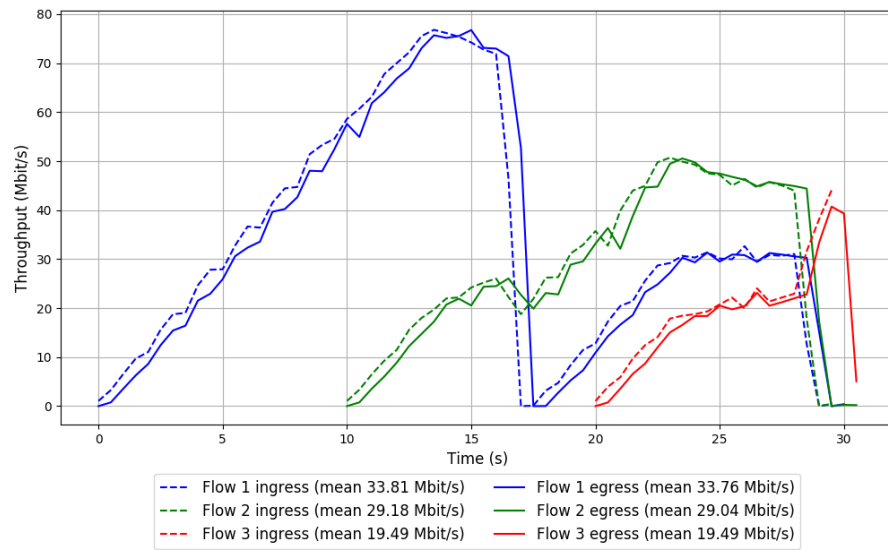


```
Run 1: Statistics of LEDBAT

Start at: 2019-10-02 23:54:00
End at: 2019-10-02 23:54:30
Local clock offset: -0.372 ms
Remote clock offset: 7.419 ms

# Below is generated by plot.py at 2019-10-03 06:48:34
# Datalink statistics
-- Total of 3 flows:
Average throughput: 59.54 Mbit/s
95th percentile per-packet one-way delay: 68.519 ms
Loss rate: 0.24%
-- Flow 1:
Average throughput: 33.76 Mbit/s
95th percentile per-packet one-way delay: 65.108 ms
Loss rate: 0.15%
-- Flow 2:
Average throughput: 29.04 Mbit/s
95th percentile per-packet one-way delay: 69.905 ms
Loss rate: 0.47%
-- Flow 3:
Average throughput: 19.49 Mbit/s
95th percentile per-packet one-way delay: 71.386 ms
Loss rate: 0.00%
```

Run 1: Report of LEDBAT — Data Link



Run 2: Statistics of LEDBAT

Start at: 2019-10-03 01:49:39

End at: 2019-10-03 01:50:09

Local clock offset: -0.961 ms

Remote clock offset: 8.17 ms

Below is generated by plot.py at 2019-10-03 06:48:34

Datalink statistics

-- Total of 3 flows:

Average throughput: 61.08 Mbit/s

95th percentile per-packet one-way delay: 67.810 ms

Loss rate: 0.21%

-- Flow 1:

Average throughput: 40.65 Mbit/s

95th percentile per-packet one-way delay: 67.861 ms

Loss rate: 0.20%

-- Flow 2:

Average throughput: 19.16 Mbit/s

95th percentile per-packet one-way delay: 69.989 ms

Loss rate: 0.33%

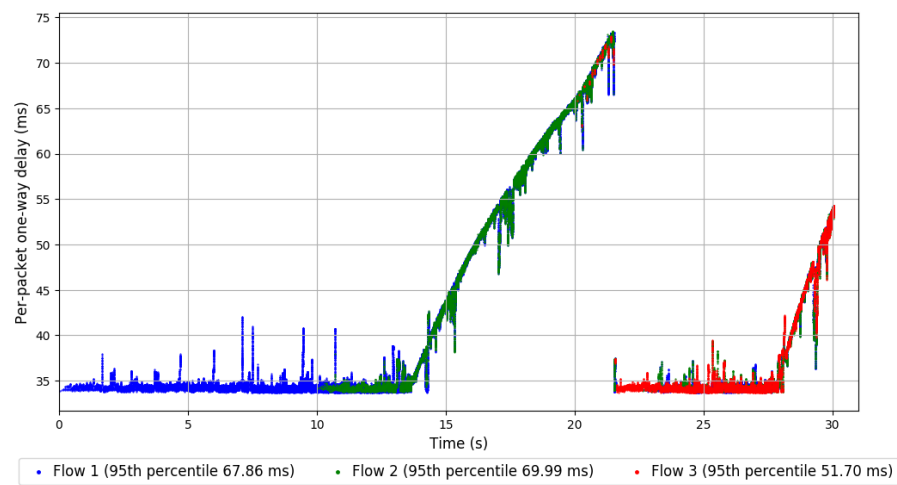
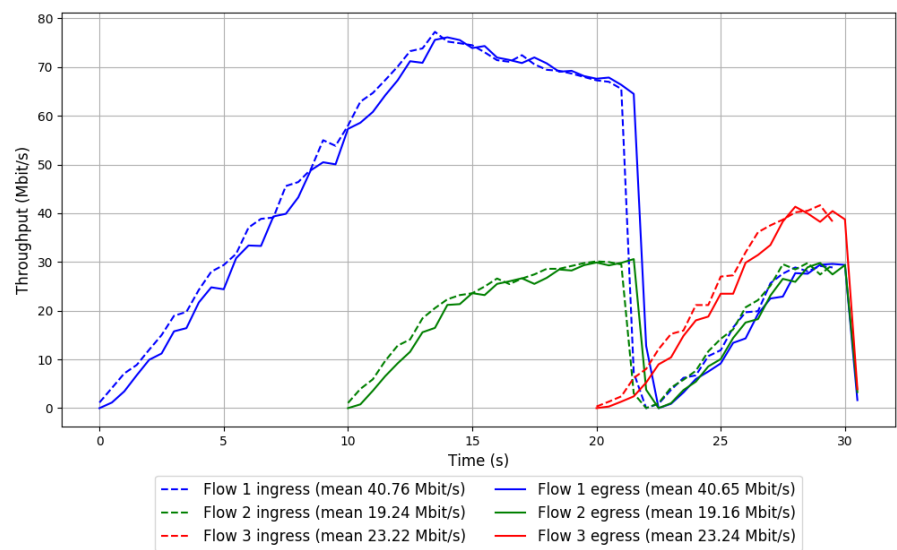
-- Flow 3:

Average throughput: 23.24 Mbit/s

95th percentile per-packet one-way delay: 51.695 ms

Loss rate: 0.02%

Run 2: Report of LEDBAT — Data Link



Run 3: Statistics of LEDBAT

Start at: 2019-10-03 04:16:07

End at: 2019-10-03 04:16:37

Local clock offset: 0.125 ms

Remote clock offset: 7.236 ms

Below is generated by plot.py at 2019-10-03 06:48:34

Datalink statistics

-- Total of 3 flows:

Average throughput: 57.36 Mbit/s

95th percentile per-packet one-way delay: 67.279 ms

Loss rate: 0.08%

-- Flow 1:

Average throughput: 36.80 Mbit/s

95th percentile per-packet one-way delay: 62.722 ms

Loss rate: 0.07%

-- Flow 2:

Average throughput: 20.81 Mbit/s

95th percentile per-packet one-way delay: 68.495 ms

Loss rate: 0.13%

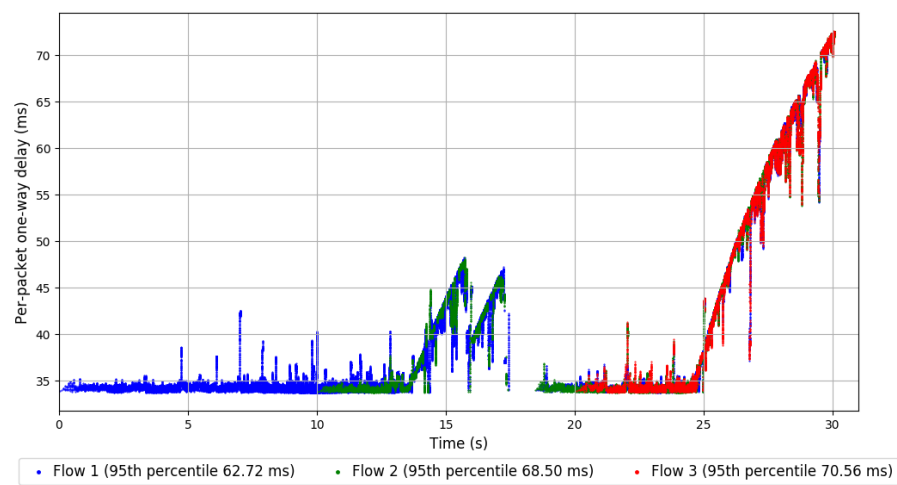
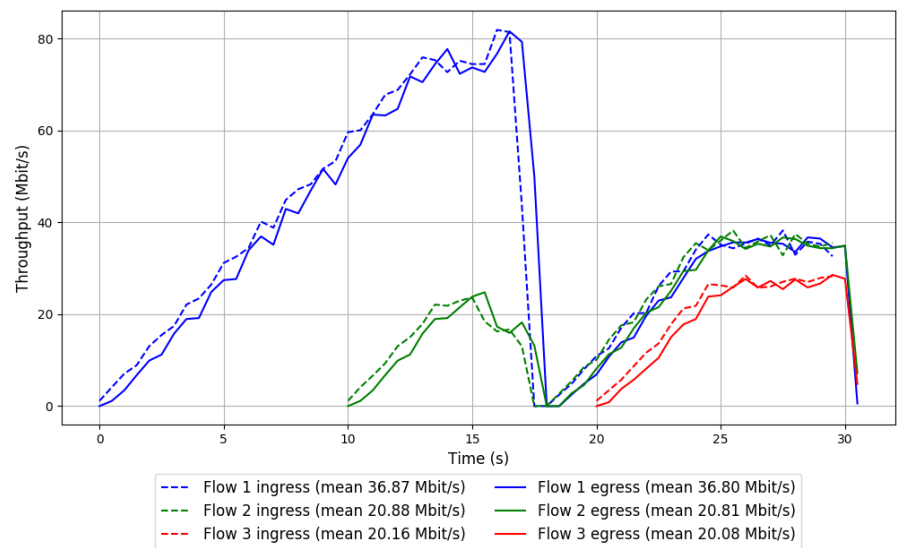
-- Flow 3:

Average throughput: 20.08 Mbit/s

95th percentile per-packet one-way delay: 70.557 ms

Loss rate: 0.00%

Run 3: Report of LEDBAT — Data Link



Run 4: Statistics of LEDBAT

Start at: 2019-10-03 05:29:59

End at: 2019-10-03 05:30:30

Local clock offset: 0.135 ms

Remote clock offset: 7.658 ms

Below is generated by plot.py at 2019-10-03 06:48:57

Datalink statistics

-- Total of 3 flows:

Average throughput: 60.46 Mbit/s

95th percentile per-packet one-way delay: 67.769 ms

Loss rate: 0.20%

-- Flow 1:

Average throughput: 39.94 Mbit/s

95th percentile per-packet one-way delay: 67.931 ms

Loss rate: 0.19%

-- Flow 2:

Average throughput: 19.56 Mbit/s

95th percentile per-packet one-way delay: 69.626 ms

Loss rate: 0.38%

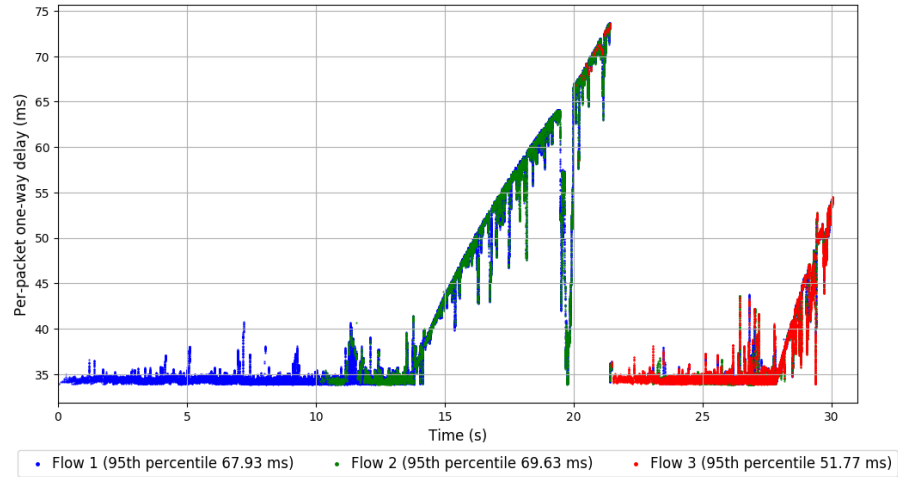
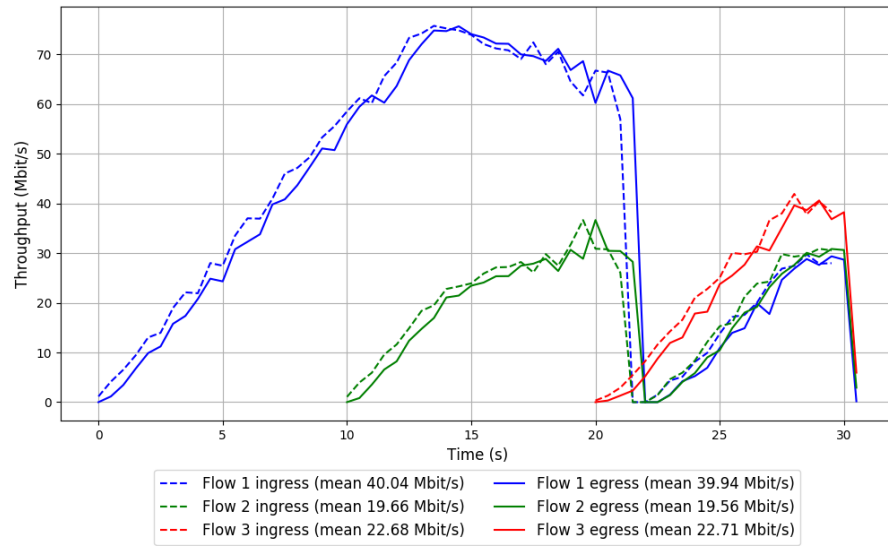
-- Flow 3:

Average throughput: 22.71 Mbit/s

95th percentile per-packet one-way delay: 51.768 ms

Loss rate: 0.00%

Run 4: Report of LEDBAT — Data Link



Run 5: Statistics of LEDBAT

Start at: 2019-10-03 06:35:59

End at: 2019-10-03 06:36:29

Local clock offset: 0.117 ms

Remote clock offset: 8.066 ms

Below is generated by plot.py at 2019-10-03 06:48:58

Datalink statistics

-- Total of 3 flows:

Average throughput: 61.02 Mbit/s

95th percentile per-packet one-way delay: 68.461 ms

Loss rate: 0.21%

-- Flow 1:

Average throughput: 40.83 Mbit/s

95th percentile per-packet one-way delay: 68.614 ms

Loss rate: 0.06%

-- Flow 2:

Average throughput: 18.53 Mbit/s

95th percentile per-packet one-way delay: 69.980 ms

Loss rate: 0.81%

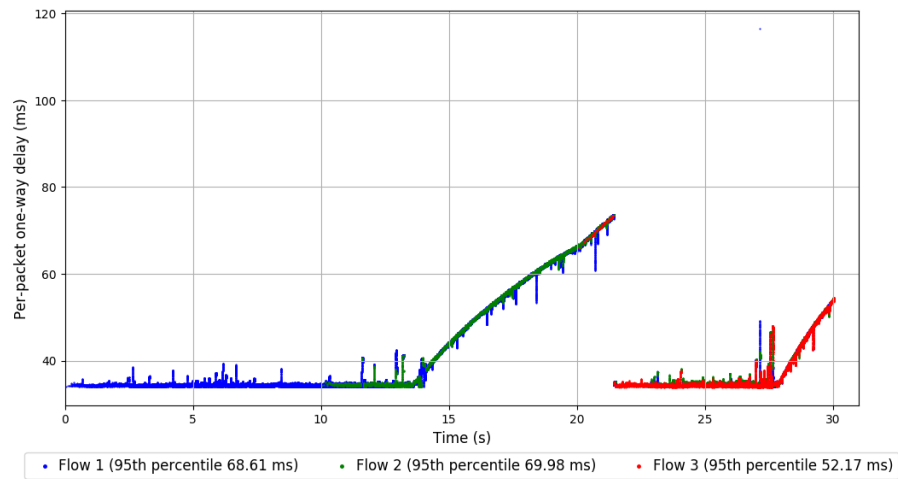
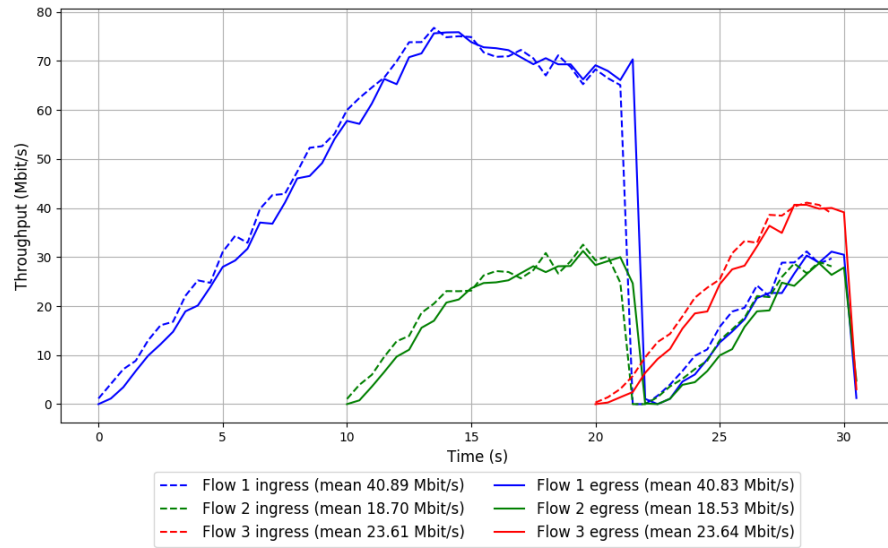
-- Flow 3:

Average throughput: 23.64 Mbit/s

95th percentile per-packet one-way delay: 52.170 ms

Loss rate: 0.00%

Run 5: Report of LEDBAT — Data Link



Run 1: Statistics of Muses_DecisionTree

Start at: 2019-10-02 22:47:01

End at: 2019-10-02 22:47:31

Local clock offset: -0.284 ms

Remote clock offset: 7.293 ms

Below is generated by plot.py at 2019-10-03 06:49:27

Datalink statistics

-- Total of 3 flows:

Average throughput: 92.08 Mbit/s

95th percentile per-packet one-way delay: 46.297 ms

Loss rate: 0.36%

-- Flow 1:

Average throughput: 44.60 Mbit/s

95th percentile per-packet one-way delay: 43.201 ms

Loss rate: 0.17%

-- Flow 2:

Average throughput: 39.97 Mbit/s

95th percentile per-packet one-way delay: 49.590 ms

Loss rate: 0.46%

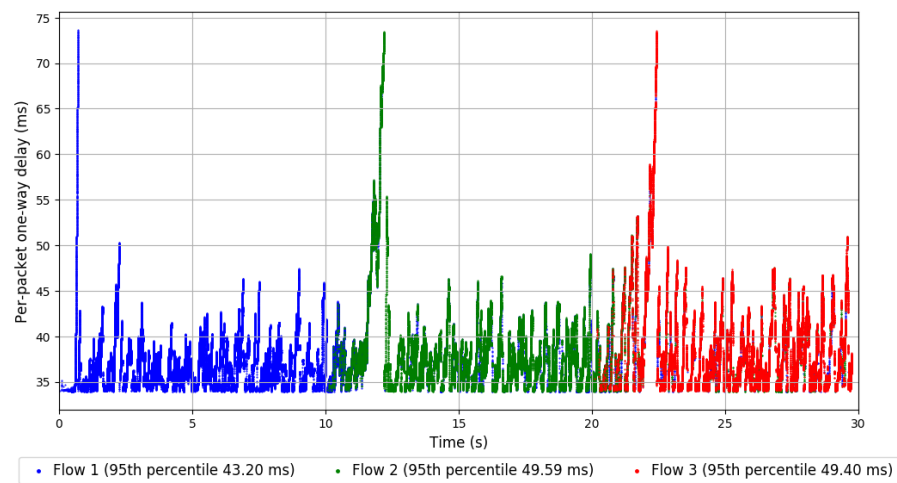
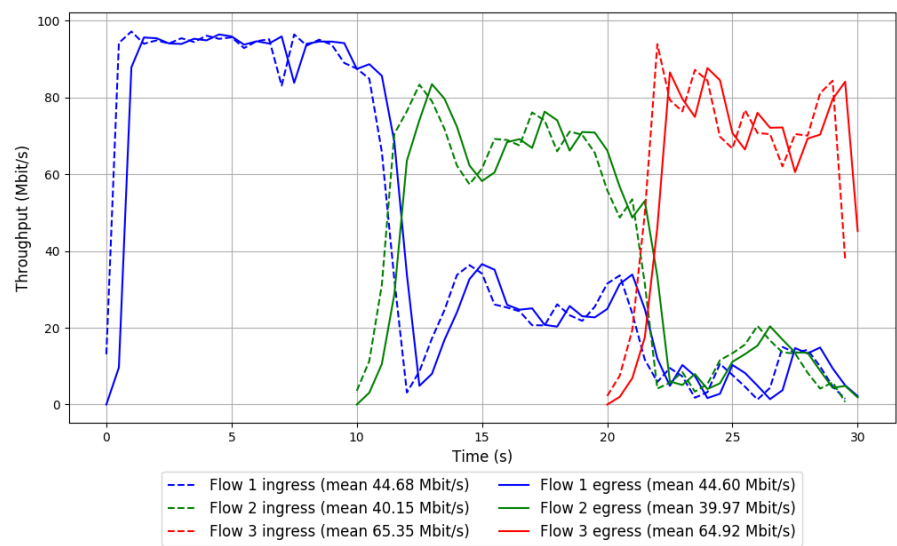
-- Flow 3:

Average throughput: 64.92 Mbit/s

95th percentile per-packet one-way delay: 49.402 ms

Loss rate: 0.65%

Run 1: Report of Muses_DecisionTree — Data Link



Run 2: Statistics of Muses_DecisionTree

Start at: 2019-10-03 00:10:24

End at: 2019-10-03 00:10:54

Local clock offset: -0.374 ms

Remote clock offset: 7.247 ms

Below is generated by plot.py at 2019-10-03 06:49:28

Datalink statistics

-- Total of 3 flows:

Average throughput: 93.11 Mbit/s

95th percentile per-packet one-way delay: 41.663 ms

Loss rate: 0.08%

-- Flow 1:

Average throughput: 78.77 Mbit/s

95th percentile per-packet one-way delay: 40.975 ms

Loss rate: 0.09%

-- Flow 2:

Average throughput: 4.61 Mbit/s

95th percentile per-packet one-way delay: 40.455 ms

Loss rate: 0.00%

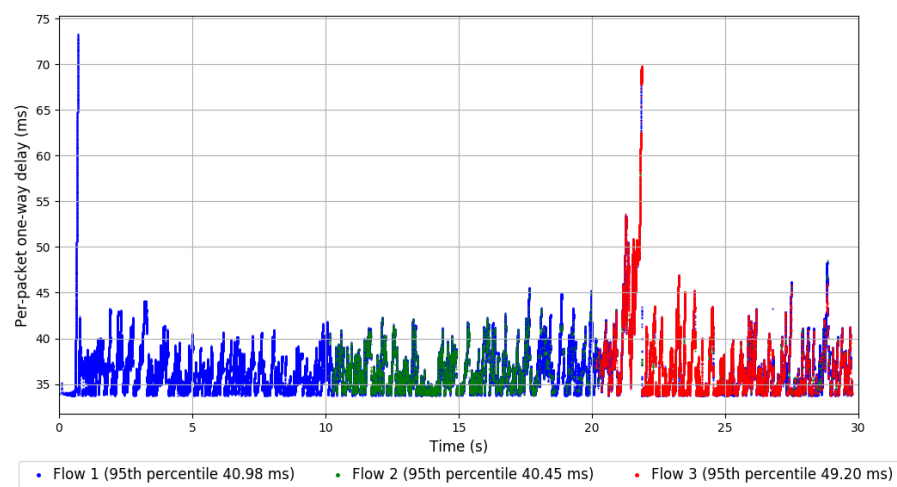
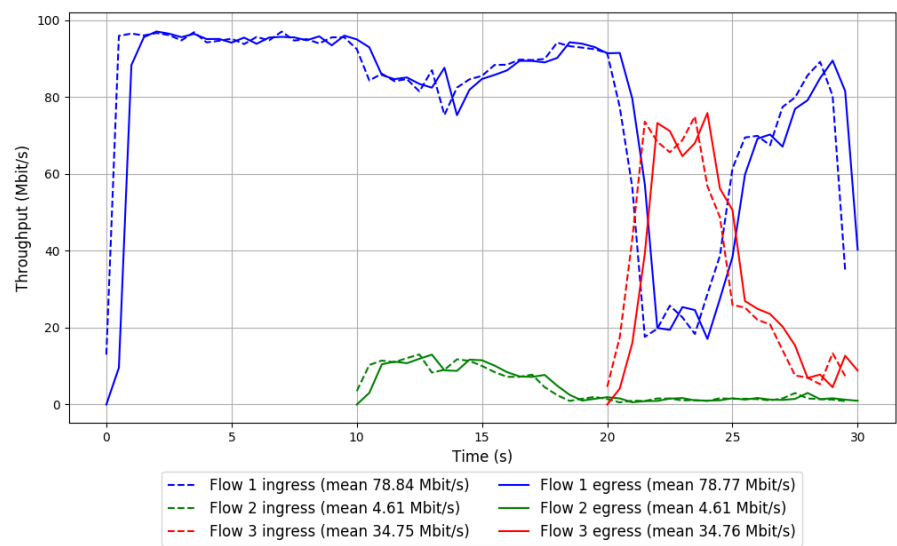
-- Flow 3:

Average throughput: 34.76 Mbit/s

95th percentile per-packet one-way delay: 49.195 ms

Loss rate: 0.00%

Run 2: Report of Muses_DecisionTree — Data Link



Run 3: Statistics of Muses_DecisionTree

Start at: 2019-10-03 02:23:00

End at: 2019-10-03 02:23:30

Local clock offset: 1.368 ms

Remote clock offset: 9.259 ms

Below is generated by plot.py at 2019-10-03 06:49:28

Datalink statistics

-- Total of 3 flows:

Average throughput: 90.83 Mbit/s

95th percentile per-packet one-way delay: 43.834 ms

Loss rate: 0.22%

-- Flow 1:

Average throughput: 57.74 Mbit/s

95th percentile per-packet one-way delay: 42.595 ms

Loss rate: 0.11%

-- Flow 2:

Average throughput: 20.40 Mbit/s

95th percentile per-packet one-way delay: 43.733 ms

Loss rate: 0.01%

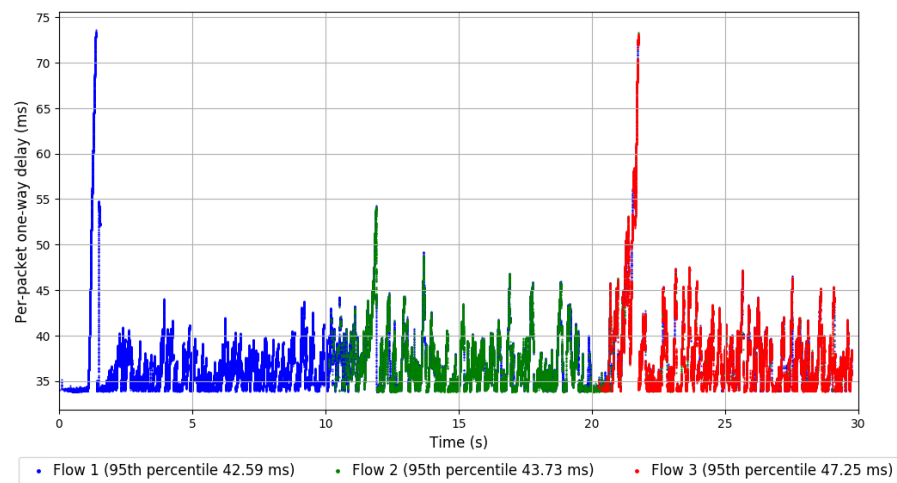
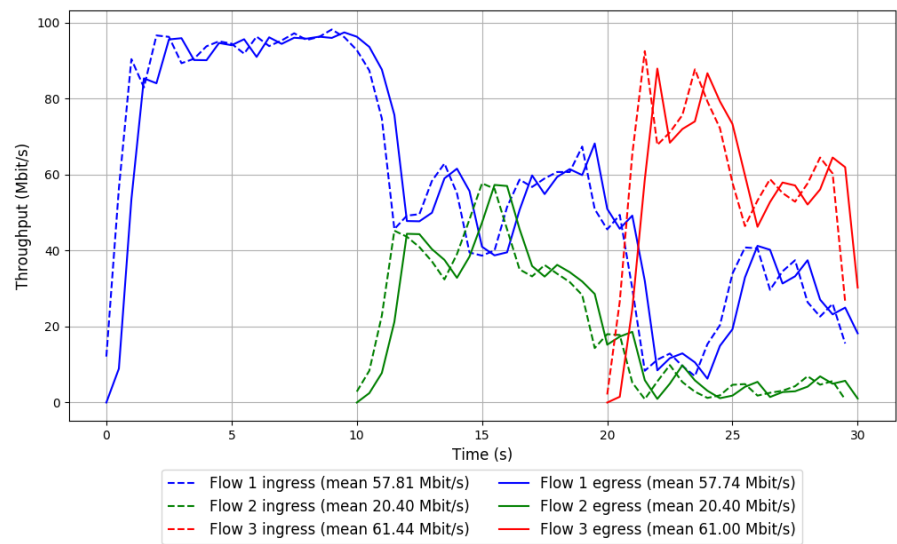
-- Flow 3:

Average throughput: 61.00 Mbit/s

95th percentile per-packet one-way delay: 47.251 ms

Loss rate: 0.71%

Run 3: Report of Muses_DecisionTree — Data Link



Run 4: Statistics of Muses_DecisionTree

Start at: 2019-10-03 04:31:33

End at: 2019-10-03 04:32:03

Local clock offset: 0.111 ms

Remote clock offset: 7.366 ms

Below is generated by plot.py at 2019-10-03 06:49:36

Datalink statistics

-- Total of 3 flows:

Average throughput: 89.81 Mbit/s

95th percentile per-packet one-way delay: 44.663 ms

Loss rate: 0.28%

-- Flow 1:

Average throughput: 41.58 Mbit/s

95th percentile per-packet one-way delay: 43.839 ms

Loss rate: 0.27%

-- Flow 2:

Average throughput: 38.48 Mbit/s

95th percentile per-packet one-way delay: 49.610 ms

Loss rate: 0.53%

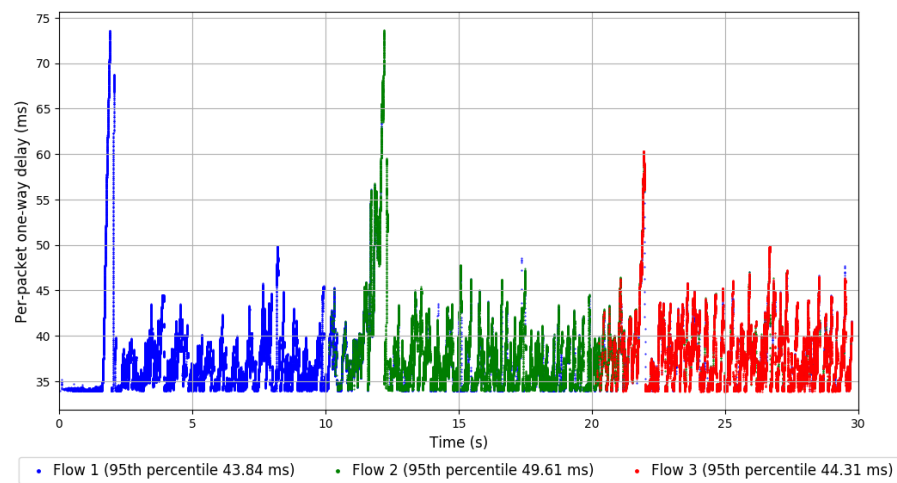
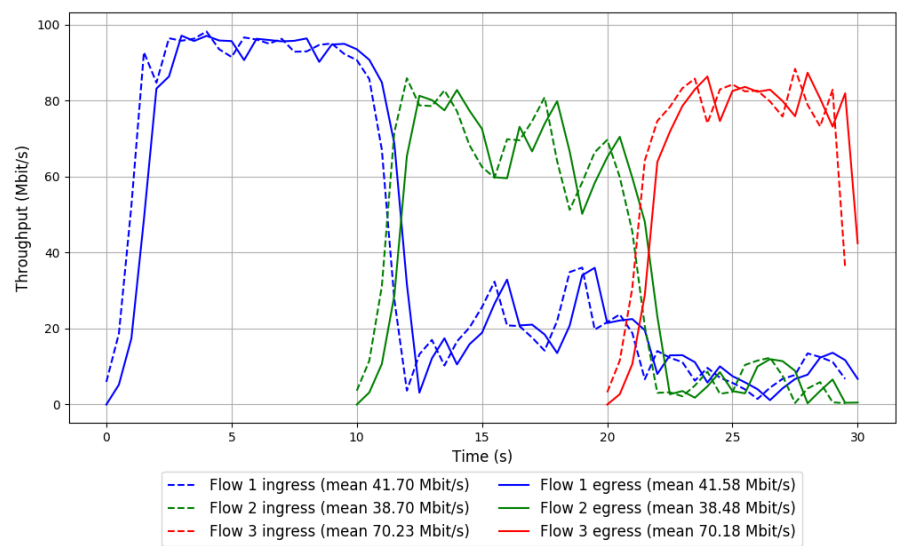
-- Flow 3:

Average throughput: 70.18 Mbit/s

95th percentile per-packet one-way delay: 44.310 ms

Loss rate: 0.00%

Run 4: Report of Muses_DecisionTree — Data Link



Run 5: Statistics of Muses_DecisionTree

Start at: 2019-10-03 05:44:06

End at: 2019-10-03 05:44:36

Local clock offset: 0.218 ms

Remote clock offset: 7.875 ms

Below is generated by plot.py at 2019-10-03 06:49:40

Datalink statistics

-- Total of 3 flows:

Average throughput: 92.25 Mbit/s

95th percentile per-packet one-way delay: 43.341 ms

Loss rate: 0.08%

-- Flow 1:

Average throughput: 47.47 Mbit/s

95th percentile per-packet one-way delay: 41.924 ms

Loss rate: 0.15%

-- Flow 2:

Average throughput: 57.78 Mbit/s

95th percentile per-packet one-way delay: 45.022 ms

Loss rate: 0.00%

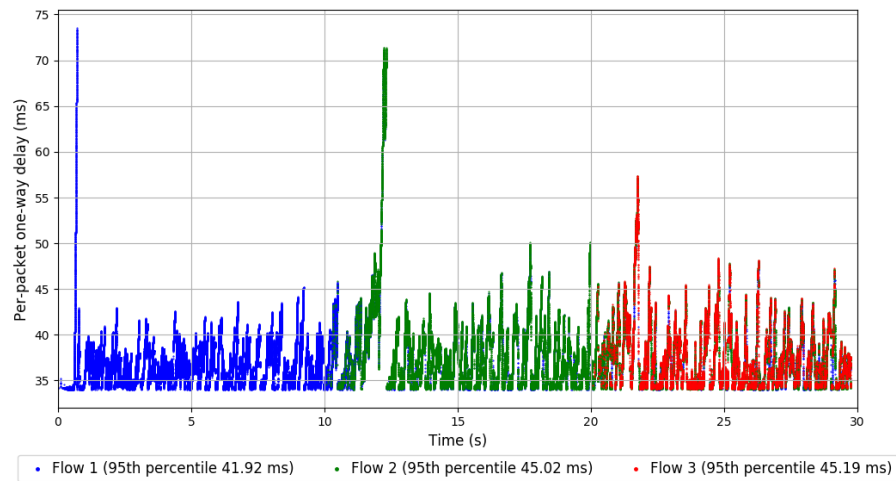
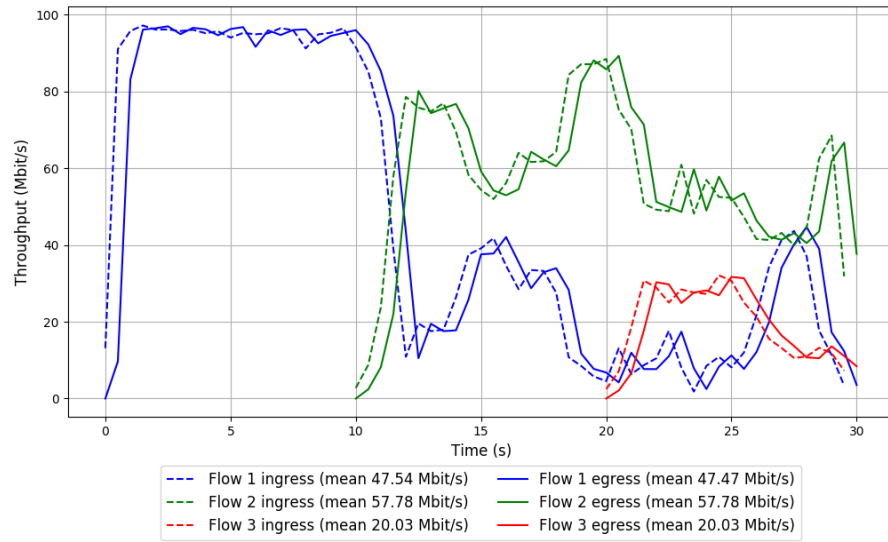
-- Flow 3:

Average throughput: 20.03 Mbit/s

95th percentile per-packet one-way delay: 45.193 ms

Loss rate: 0.00%

Run 5: Report of Muses_DecisionTree — Data Link



Run 1: Statistics of Muses_DecisionTreeH0

Start at: 2019-10-02 23:32:46

End at: 2019-10-02 23:33:16

Local clock offset: -0.337 ms

Remote clock offset: 7.363 ms

Below is generated by plot.py at 2019-10-03 06:49:40

Datalink statistics

-- Total of 3 flows:

Average throughput: 80.16 Mbit/s

95th percentile per-packet one-way delay: 59.225 ms

Loss rate: 2.50%

-- Flow 1:

Average throughput: 74.27 Mbit/s

95th percentile per-packet one-way delay: 59.207 ms

Loss rate: 2.54%

-- Flow 2:

Average throughput: 8.53 Mbit/s

95th percentile per-packet one-way delay: 59.522 ms

Loss rate: 2.01%

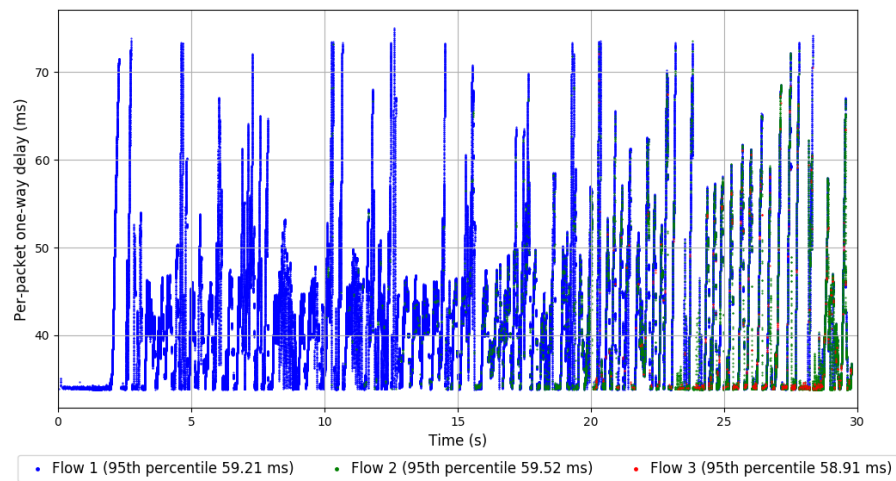
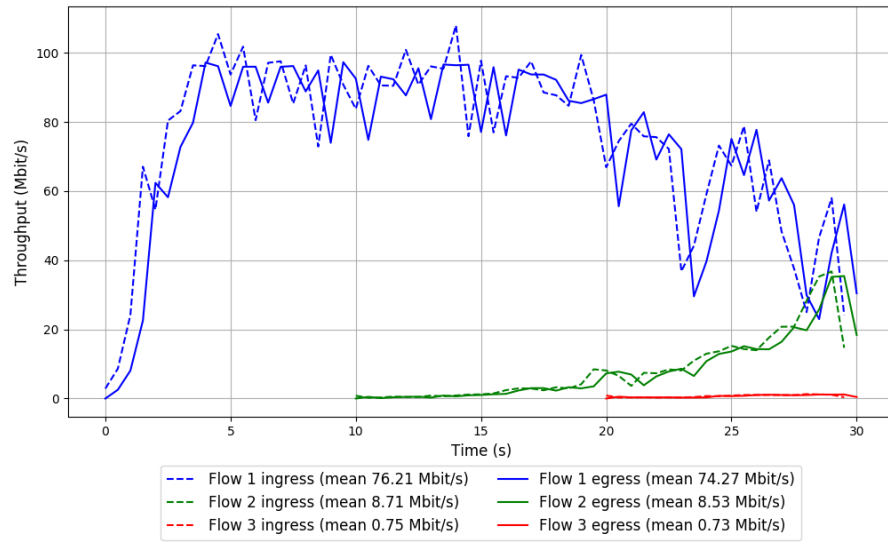
-- Flow 3:

Average throughput: 0.73 Mbit/s

95th percentile per-packet one-way delay: 58.911 ms

Loss rate: 3.22%

Run 1: Report of Muses_DecisionTreeH0 — Data Link



Run 2: Statistics of Muses_DecisionTreeH0

Start at: 2019-10-03 01:09:20

End at: 2019-10-03 01:09:50

Local clock offset: -0.361 ms

Remote clock offset: 7.768 ms

Below is generated by plot.py at 2019-10-03 06:50:02

Datalink statistics

-- Total of 3 flows:

Average throughput: 82.74 Mbit/s

95th percentile per-packet one-way delay: 63.925 ms

Loss rate: 6.70%

-- Flow 1:

Average throughput: 49.70 Mbit/s

95th percentile per-packet one-way delay: 62.668 ms

Loss rate: 5.45%

-- Flow 2:

Average throughput: 48.28 Mbit/s

95th percentile per-packet one-way delay: 65.092 ms

Loss rate: 8.57%

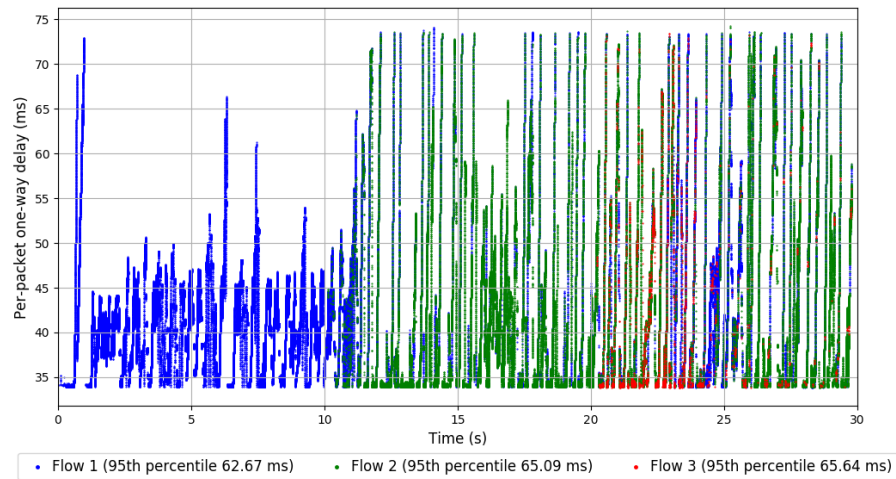
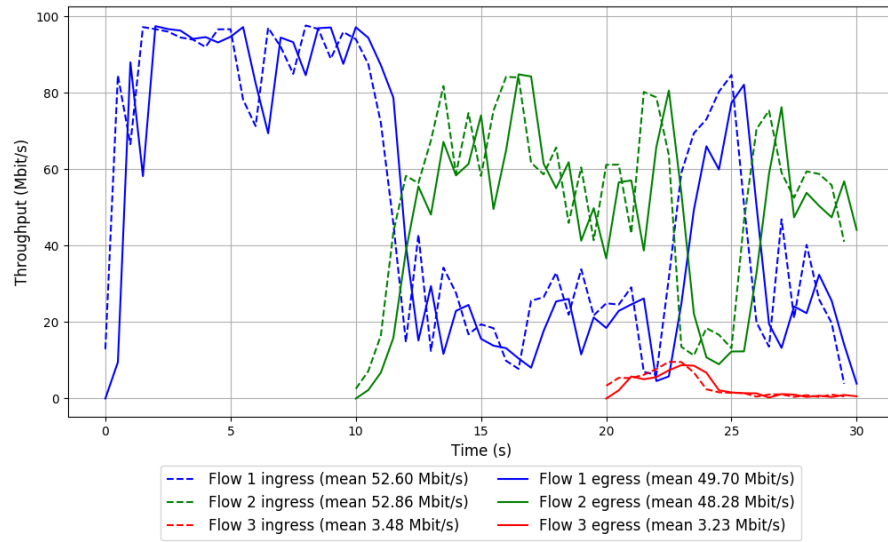
-- Flow 3:

Average throughput: 3.23 Mbit/s

95th percentile per-packet one-way delay: 65.636 ms

Loss rate: 7.23%

Run 2: Report of Muses_DecisionTreeH0 — Data Link



Run 3: Statistics of Muses_DecisionTreeH0

Start at: 2019-10-03 03:46:05

End at: 2019-10-03 03:46:35

Local clock offset: 0.104 ms

Remote clock offset: 6.945 ms

Below is generated by plot.py at 2019-10-03 06:50:02

Datalink statistics

-- Total of 3 flows:

Average throughput: 81.19 Mbit/s

95th percentile per-packet one-way delay: 59.871 ms

Loss rate: 4.13%

-- Flow 1:

Average throughput: 67.63 Mbit/s

95th percentile per-packet one-way delay: 60.077 ms

Loss rate: 4.03%

-- Flow 2:

Average throughput: 4.66 Mbit/s

95th percentile per-packet one-way delay: 58.715 ms

Loss rate: 3.63%

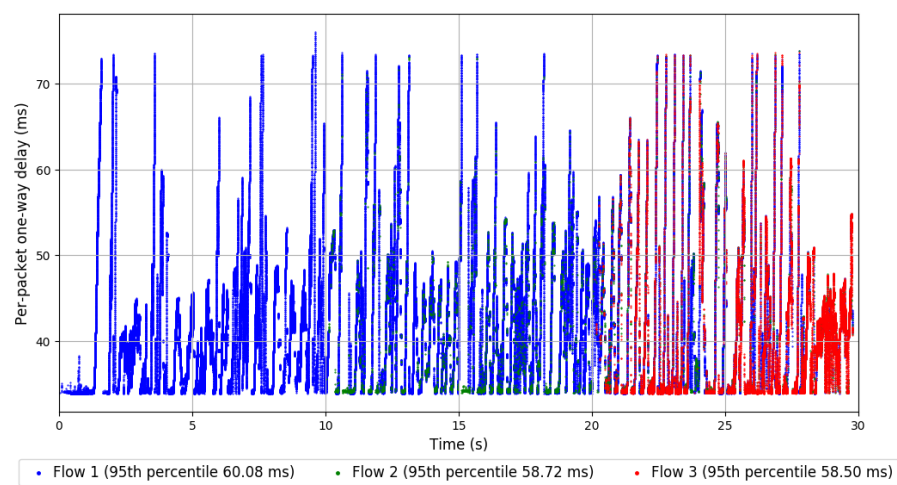
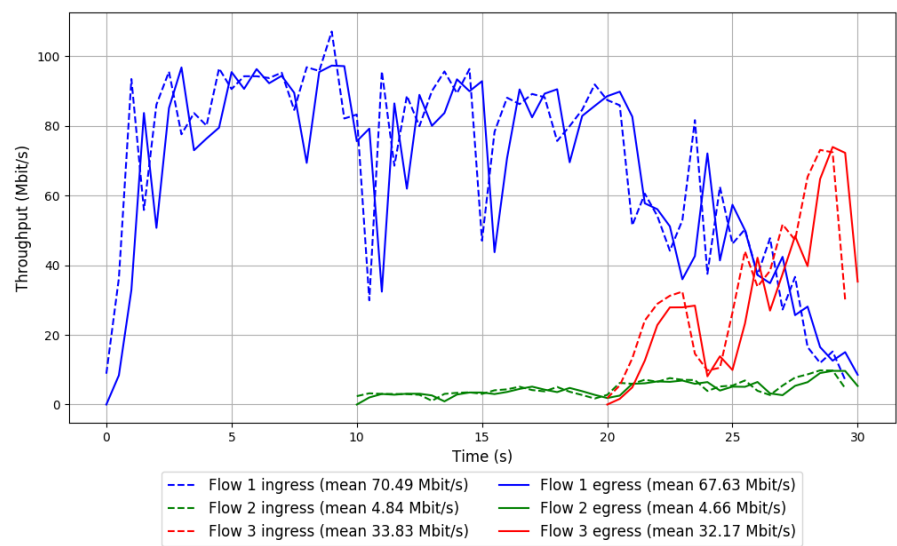
-- Flow 3:

Average throughput: 32.17 Mbit/s

95th percentile per-packet one-way delay: 58.504 ms

Loss rate: 4.95%

Run 3: Report of Muses_DecisionTreeH0 — Data Link



Run 4: Statistics of Muses_DecisionTreeH0

Start at: 2019-10-03 05:05:58

End at: 2019-10-03 05:06:28

Local clock offset: 0.123 ms

Remote clock offset: 7.472 ms

Below is generated by plot.py at 2019-10-03 06:50:22

Datalink statistics

-- Total of 3 flows:

Average throughput: 74.95 Mbit/s

95th percentile per-packet one-way delay: 65.524 ms

Loss rate: 8.99%

-- Flow 1:

Average throughput: 45.69 Mbit/s

95th percentile per-packet one-way delay: 66.000 ms

Loss rate: 8.84%

-- Flow 2:

Average throughput: 27.43 Mbit/s

95th percentile per-packet one-way delay: 65.286 ms

Loss rate: 10.27%

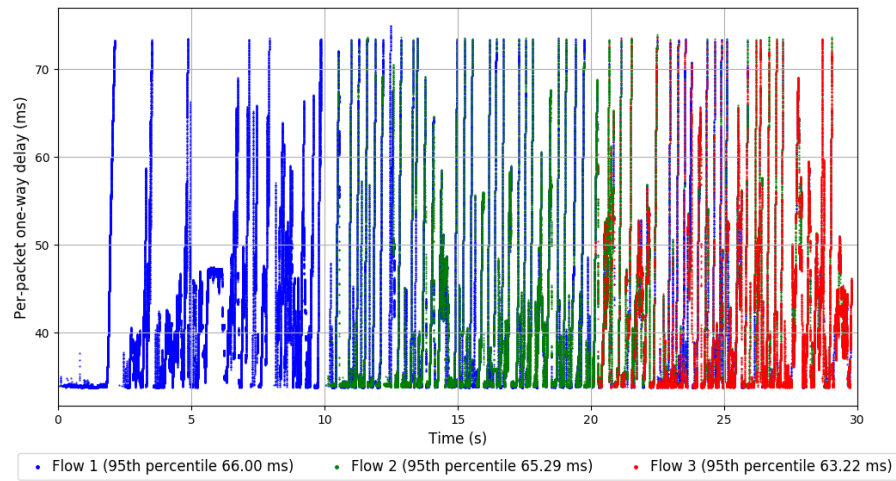
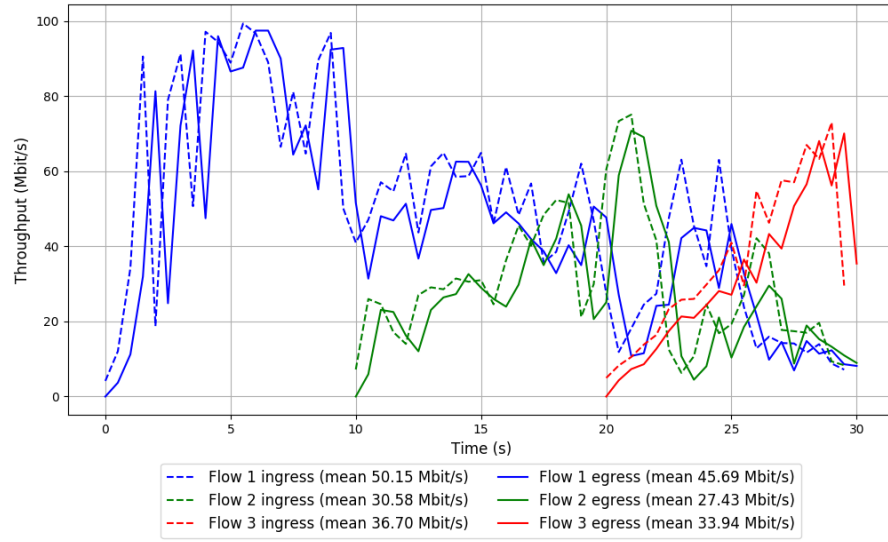
-- Flow 3:

Average throughput: 33.94 Mbit/s

95th percentile per-packet one-way delay: 63.221 ms

Loss rate: 7.43%

Run 4: Report of Muses_DecisionTreeH0 — Data Link



Run 5: Statistics of Muses_DecisionTreeH0

Start at: 2019-10-03 06:16:58

End at: 2019-10-03 06:17:28

Local clock offset: 0.094 ms

Remote clock offset: 8.0 ms

Below is generated by plot.py at 2019-10-03 06:50:27

Datalink statistics

-- Total of 3 flows:

Average throughput: 80.86 Mbit/s

95th percentile per-packet one-way delay: 63.336 ms

Loss rate: 4.92%

-- Flow 1:

Average throughput: 50.86 Mbit/s

95th percentile per-packet one-way delay: 63.105 ms

Loss rate: 4.33%

-- Flow 2:

Average throughput: 41.30 Mbit/s

95th percentile per-packet one-way delay: 63.930 ms

Loss rate: 6.12%

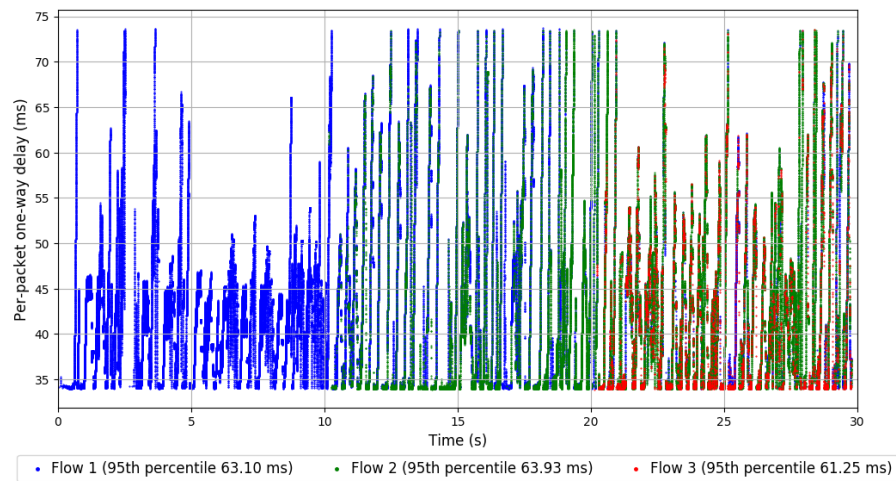
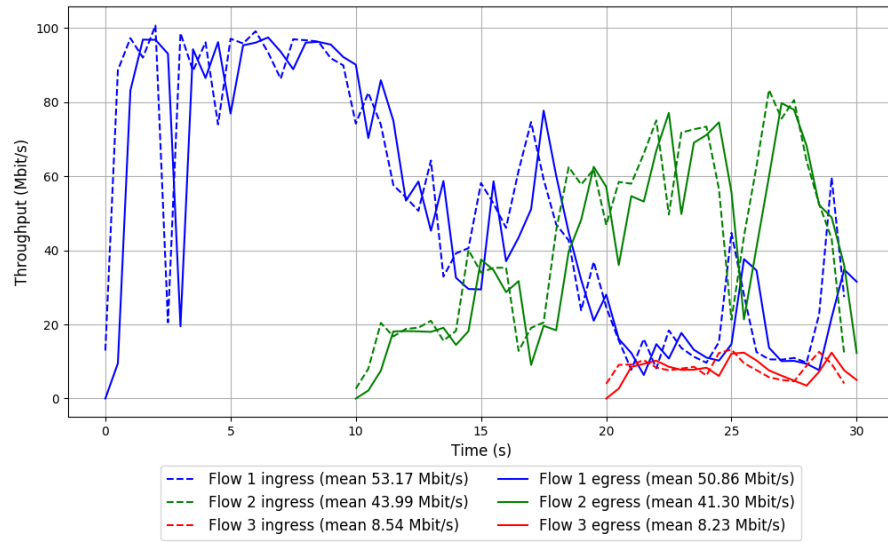
-- Flow 3:

Average throughput: 8.23 Mbit/s

95th percentile per-packet one-way delay: 61.249 ms

Loss rate: 3.69%

Run 5: Report of Muses_DecisionTreeH0 — Data Link

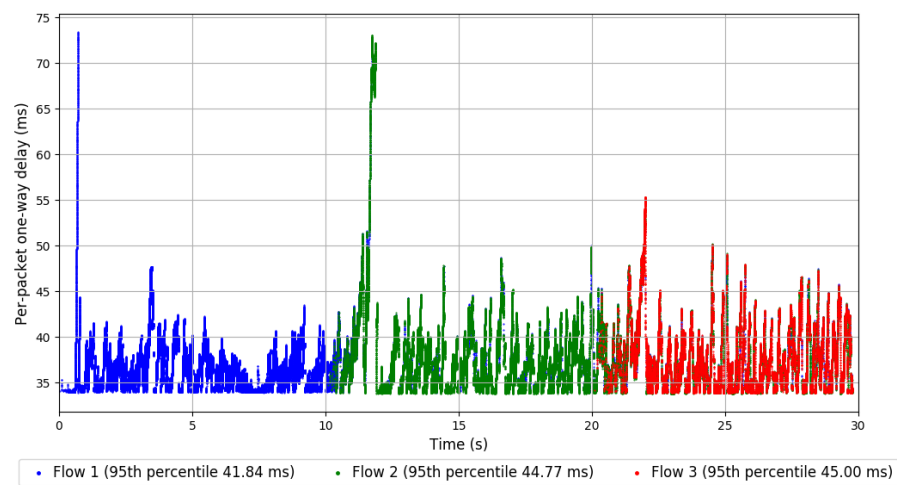
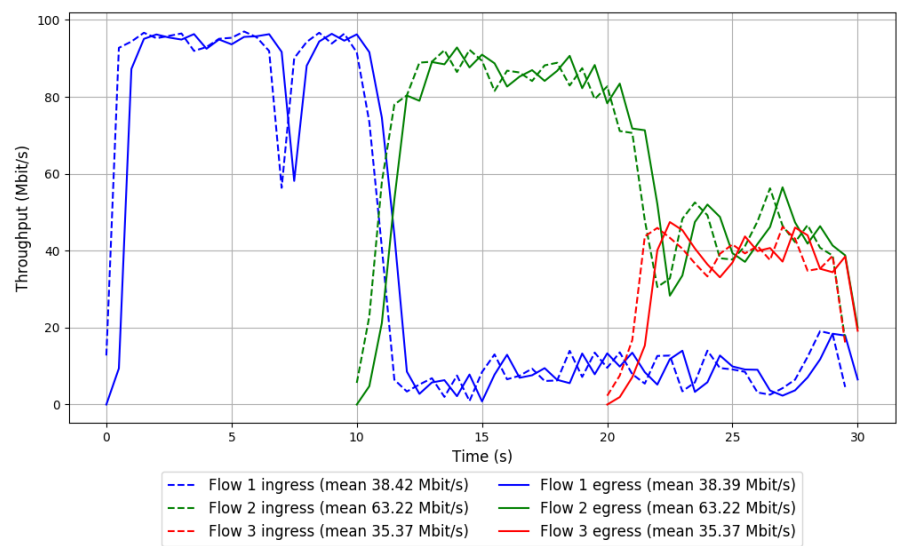


```
Run 1: Statistics of Muses\_DecisionTreeR0

Start at: 2019-10-02 23:46:47
End at: 2019-10-02 23:47:17
Local clock offset: -0.299 ms
Remote clock offset: 7.474 ms

# Below is generated by plot.py at 2019-10-03 06:50:37
# Datalink statistics
-- Total of 3 flows:
Average throughput: 91.69 Mbit/s
95th percentile per-packet one-way delay: 43.889 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 38.39 Mbit/s
95th percentile per-packet one-way delay: 41.843 ms
Loss rate: 0.08%
-- Flow 2:
Average throughput: 63.22 Mbit/s
95th percentile per-packet one-way delay: 44.774 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 35.37 Mbit/s
95th percentile per-packet one-way delay: 45.003 ms
Loss rate: 0.00%
```

Run 1: Report of Muses_DecisionTreeR0 — Data Link



Run 2: Statistics of Muses_DecisionTreeR0

Start at: 2019-10-03 01:41:53

End at: 2019-10-03 01:42:23

Local clock offset: -0.718 ms

Remote clock offset: 8.458 ms

Below is generated by plot.py at 2019-10-03 06:50:40

Datalink statistics

-- Total of 3 flows:

Average throughput: 89.60 Mbit/s

95th percentile per-packet one-way delay: 41.899 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 53.90 Mbit/s

95th percentile per-packet one-way delay: 41.600 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 45.50 Mbit/s

95th percentile per-packet one-way delay: 42.267 ms

Loss rate: 0.00%

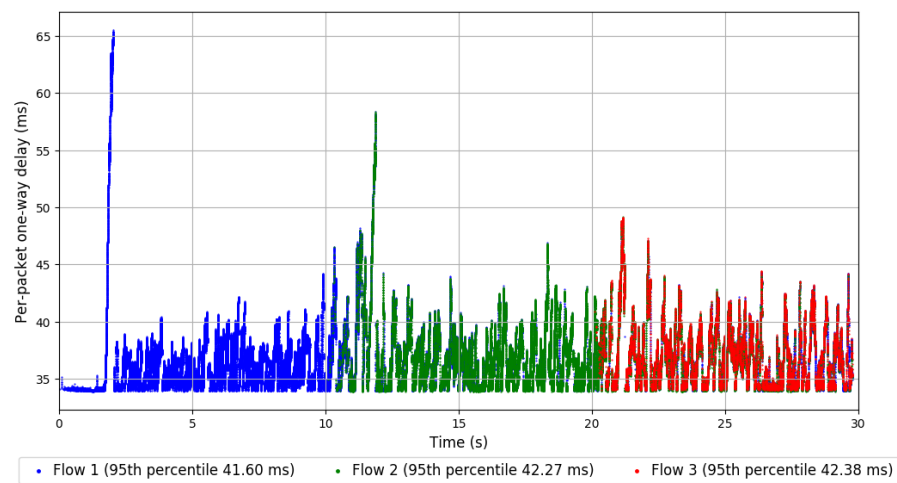
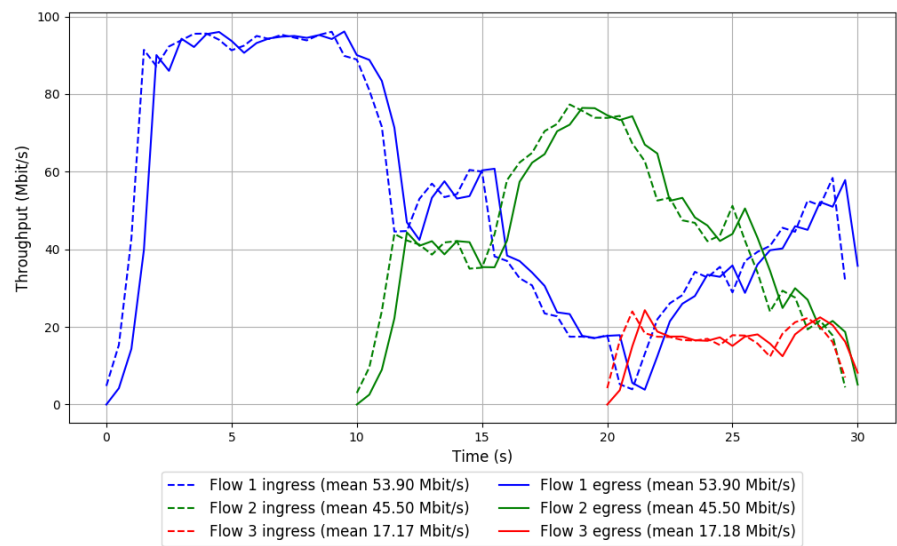
-- Flow 3:

Average throughput: 17.18 Mbit/s

95th percentile per-packet one-way delay: 42.376 ms

Loss rate: 0.00%

Run 2: Report of Muses_DecisionTreeR0 — Data Link



Run 3: Statistics of Muses_DecisionTreeR0

Start at: 2019-10-03 04:05:33

End at: 2019-10-03 04:06:03

Local clock offset: 0.124 ms

Remote clock offset: 7.188 ms

Below is generated by plot.py at 2019-10-03 06:50:44

Datalink statistics

-- Total of 3 flows:

Average throughput: 91.22 Mbit/s

95th percentile per-packet one-way delay: 43.627 ms

Loss rate: 0.17%

-- Flow 1:

Average throughput: 45.04 Mbit/s

95th percentile per-packet one-way delay: 42.371 ms

Loss rate: 0.02%

-- Flow 2:

Average throughput: 59.41 Mbit/s

95th percentile per-packet one-way delay: 44.783 ms

Loss rate: 0.37%

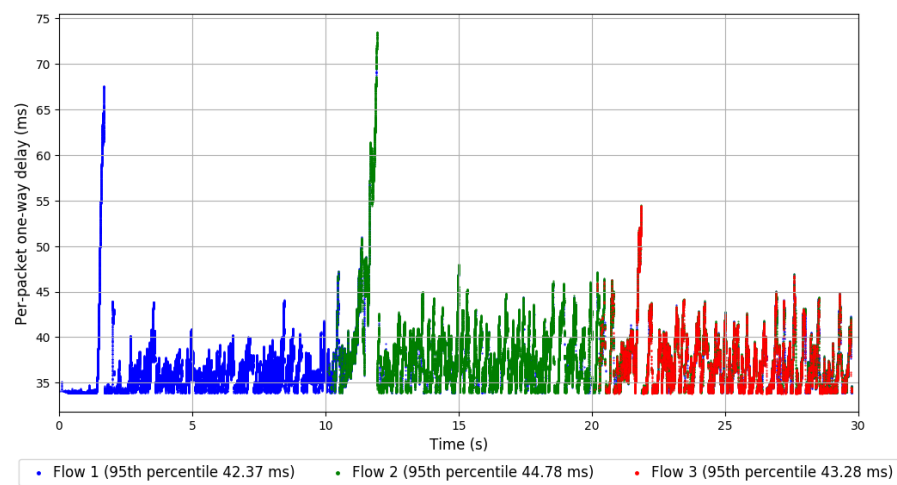
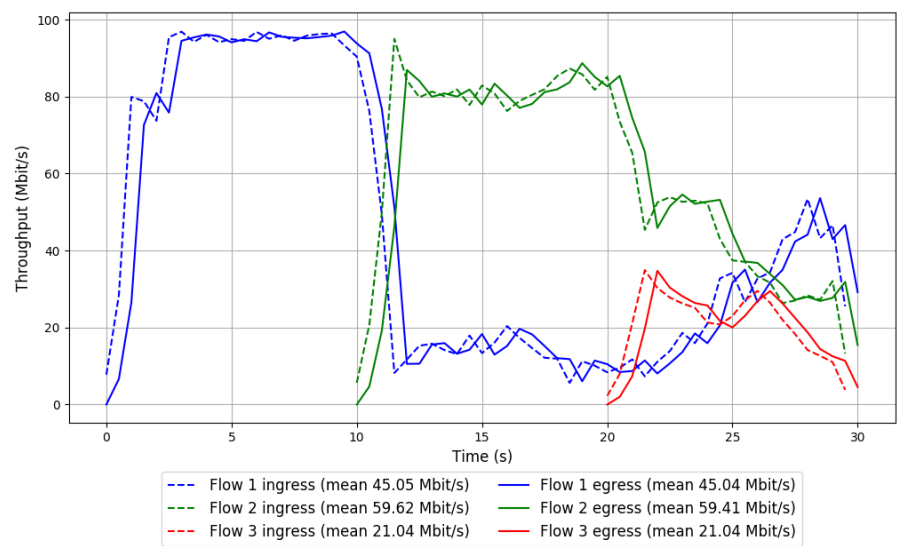
-- Flow 3:

Average throughput: 21.04 Mbit/s

95th percentile per-packet one-way delay: 43.280 ms

Loss rate: 0.00%

Run 3: Report of Muses_DecisionTreeR0 — Data Link



Run 4: Statistics of Muses_DecisionTreeR0

Start at: 2019-10-03 05:21:21

End at: 2019-10-03 05:21:51

Local clock offset: 0.172 ms

Remote clock offset: 7.565 ms

Below is generated by plot.py at 2019-10-03 06:50:48

Datalink statistics

-- Total of 3 flows:

Average throughput: 92.68 Mbit/s

95th percentile per-packet one-way delay: 43.624 ms

Loss rate: 0.07%

-- Flow 1:

Average throughput: 48.42 Mbit/s

95th percentile per-packet one-way delay: 41.555 ms

Loss rate: 0.13%

-- Flow 2:

Average throughput: 39.81 Mbit/s

95th percentile per-packet one-way delay: 46.158 ms

Loss rate: 0.00%

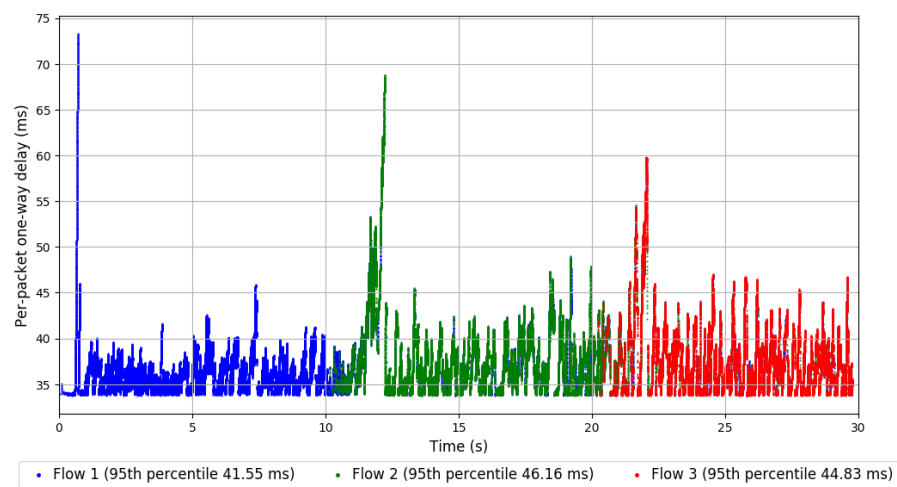
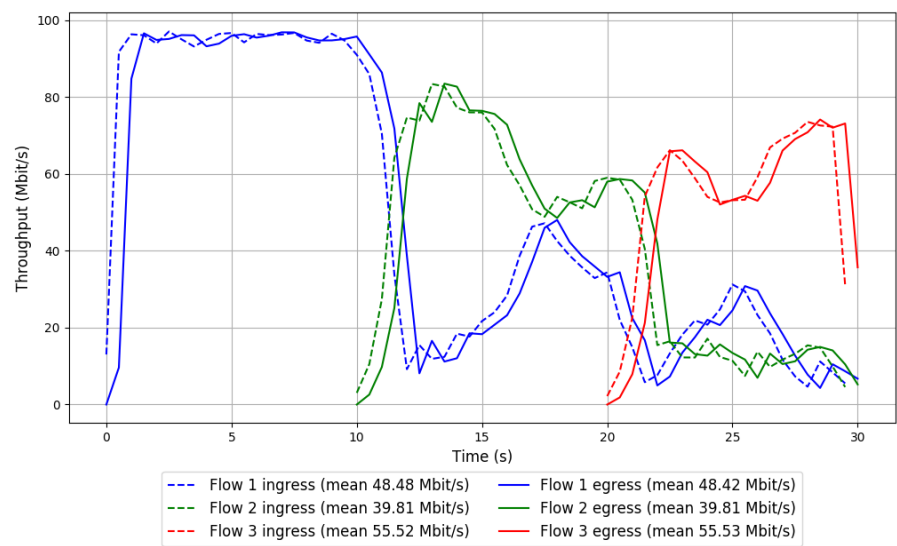
-- Flow 3:

Average throughput: 55.53 Mbit/s

95th percentile per-packet one-way delay: 44.831 ms

Loss rate: 0.00%

Run 4: Report of Muses_DecisionTreeR0 — Data Link



Run 5: Statistics of Muses_DecisionTreeR0

Start at: 2019-10-03 06:31:31

End at: 2019-10-03 06:32:01

Local clock offset: 0.118 ms

Remote clock offset: 7.961 ms

Below is generated by plot.py at 2019-10-03 06:51:18

Datalink statistics

-- Total of 3 flows:

Average throughput: 91.68 Mbit/s

95th percentile per-packet one-way delay: 44.099 ms

Loss rate: 0.19%

-- Flow 1:

Average throughput: 43.41 Mbit/s

95th percentile per-packet one-way delay: 41.533 ms

Loss rate: 0.15%

-- Flow 2:

Average throughput: 44.29 Mbit/s

95th percentile per-packet one-way delay: 46.031 ms

Loss rate: 0.08%

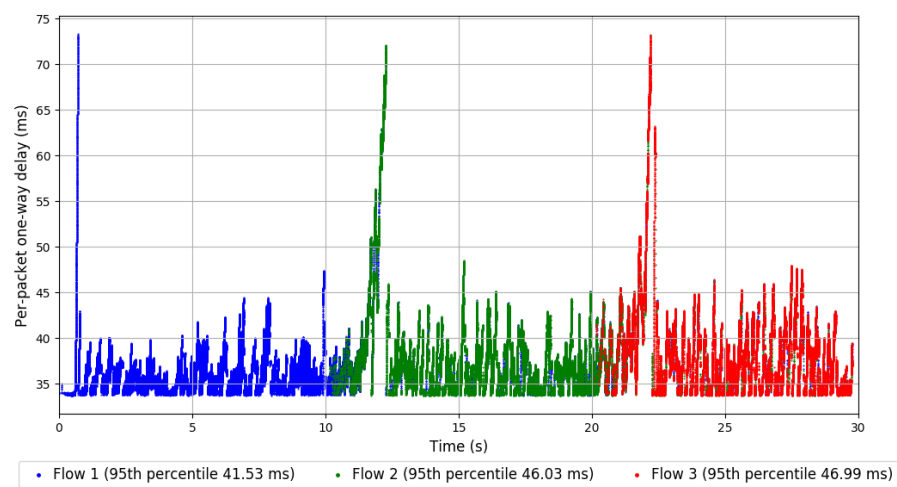
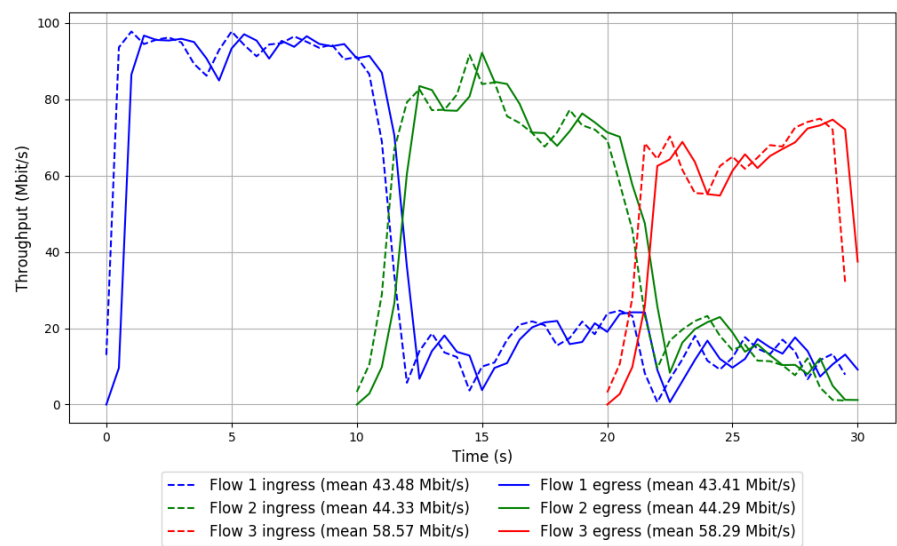
-- Flow 3:

Average throughput: 58.29 Mbit/s

95th percentile per-packet one-way delay: 46.990 ms

Loss rate: 0.46%

Run 5: Report of Muses_DecisionTreeR0 — Data Link

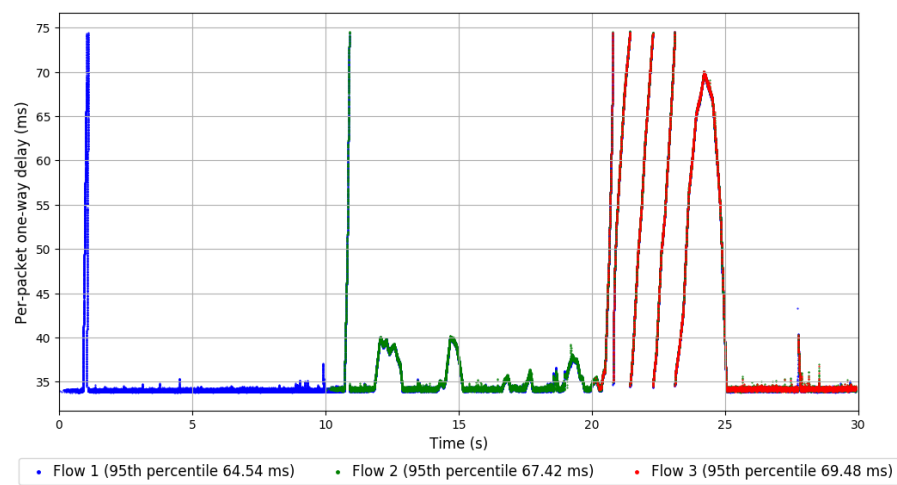
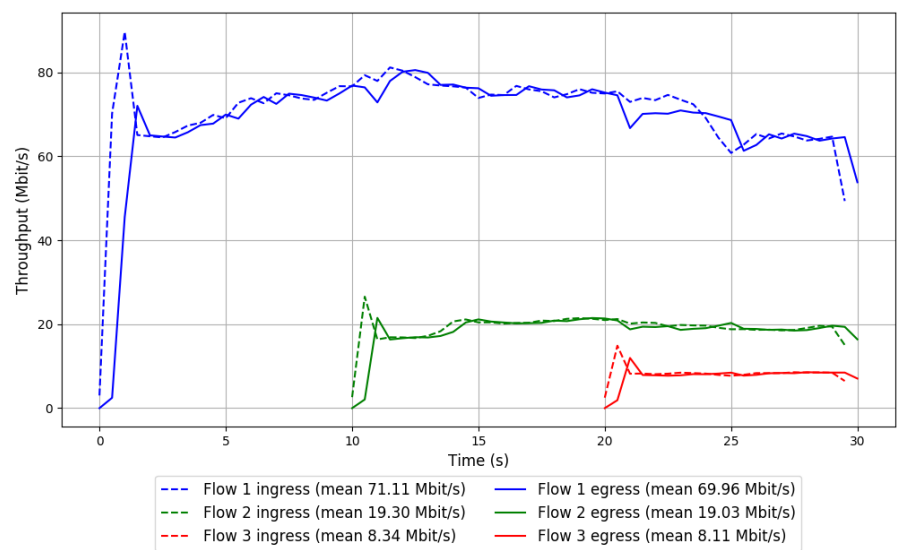


```
Run 1: Statistics of PCC-Allegro

Start at: 2019-10-02 23:40:28
End at: 2019-10-02 23:40:58
Local clock offset: -0.312 ms
Remote clock offset: 7.457 ms

# Below is generated by plot.py at 2019-10-03 06:51:18
# Datalink statistics
-- Total of 3 flows:
Average throughput: 85.28 Mbit/s
95th percentile per-packet one-way delay: 65.796 ms
Loss rate: 1.62%
-- Flow 1:
Average throughput: 69.96 Mbit/s
95th percentile per-packet one-way delay: 64.540 ms
Loss rate: 1.62%
-- Flow 2:
Average throughput: 19.03 Mbit/s
95th percentile per-packet one-way delay: 67.415 ms
Loss rate: 1.43%
-- Flow 3:
Average throughput: 8.11 Mbit/s
95th percentile per-packet one-way delay: 69.484 ms
Loss rate: 2.76%
```

Run 1: Report of PCC-Allegro — Data Link



Run 2: Statistics of PCC-Allegro

Start at: 2019-10-03 01:32:24

End at: 2019-10-03 01:32:54

Local clock offset: -0.544 ms

Remote clock offset: 8.577 ms

Below is generated by plot.py at 2019-10-03 06:51:30

Datalink statistics

-- Total of 3 flows:

Average throughput: 81.59 Mbit/s

95th percentile per-packet one-way delay: 62.660 ms

Loss rate: 1.29%

-- Flow 1:

Average throughput: 68.38 Mbit/s

95th percentile per-packet one-way delay: 61.483 ms

Loss rate: 1.37%

-- Flow 2:

Average throughput: 15.54 Mbit/s

95th percentile per-packet one-way delay: 64.173 ms

Loss rate: 0.68%

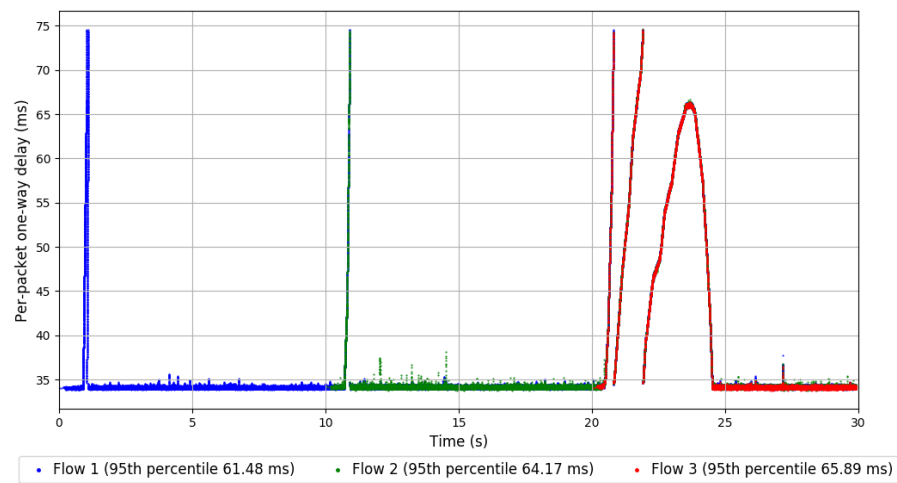
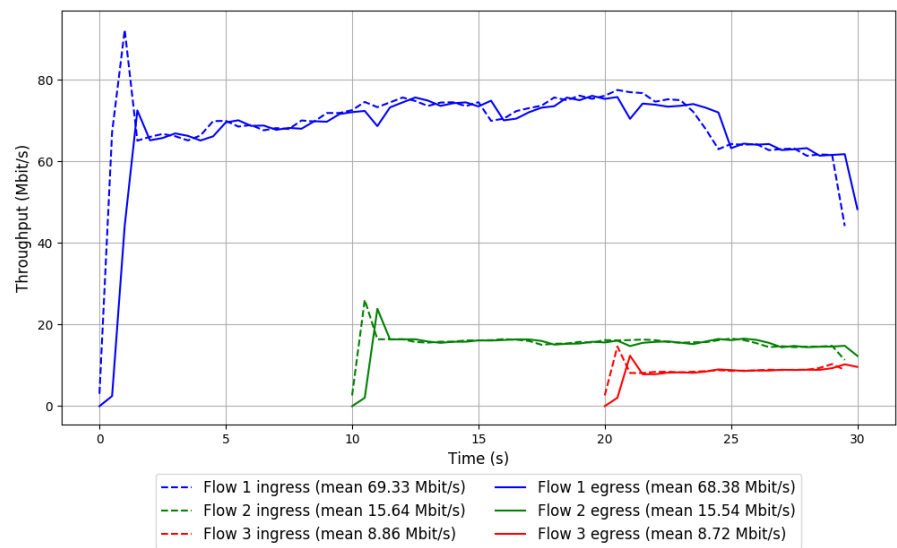
-- Flow 3:

Average throughput: 8.72 Mbit/s

95th percentile per-packet one-way delay: 65.889 ms

Loss rate: 1.59%

Run 2: Report of PCC-Allegro — Data Link



Run 3: Statistics of PCC-Allegro

Start at: 2019-10-03 03:58:34

End at: 2019-10-03 03:59:04

Local clock offset: 0.105 ms

Remote clock offset: 7.046 ms

Below is generated by plot.py at 2019-10-03 06:51:30

Datalink statistics

-- Total of 3 flows:

Average throughput: 60.65 Mbit/s

95th percentile per-packet one-way delay: 62.974 ms

Loss rate: 1.46%

-- Flow 1:

Average throughput: 13.20 Mbit/s

95th percentile per-packet one-way delay: 53.966 ms

Loss rate: 0.56%

-- Flow 2:

Average throughput: 67.05 Mbit/s

95th percentile per-packet one-way delay: 64.131 ms

Loss rate: 1.76%

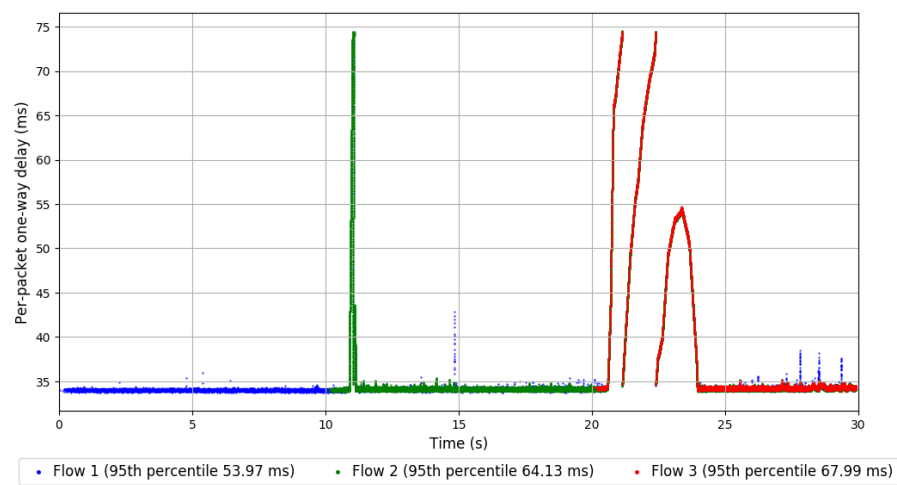
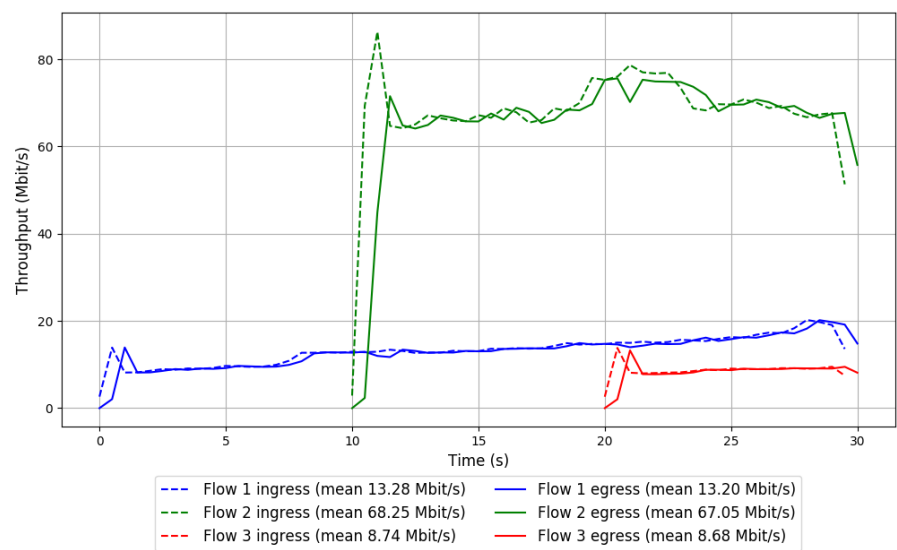
-- Flow 3:

Average throughput: 8.68 Mbit/s

95th percentile per-packet one-way delay: 67.993 ms

Loss rate: 0.74%

Run 3: Report of PCC-Allegro — Data Link



Run 4: Statistics of PCC-Allegro

Start at: 2019-10-03 05:14:21

End at: 2019-10-03 05:14:51

Local clock offset: 0.144 ms

Remote clock offset: 7.528 ms

Below is generated by plot.py at 2019-10-03 06:51:47

Datalink statistics

-- Total of 3 flows:

Average throughput: 87.58 Mbit/s

95th percentile per-packet one-way delay: 54.083 ms

Loss rate: 1.46%

-- Flow 1:

Average throughput: 78.04 Mbit/s

95th percentile per-packet one-way delay: 53.647 ms

Loss rate: 1.47%

-- Flow 2:

Average throughput: 10.13 Mbit/s

95th percentile per-packet one-way delay: 55.456 ms

Loss rate: 1.17%

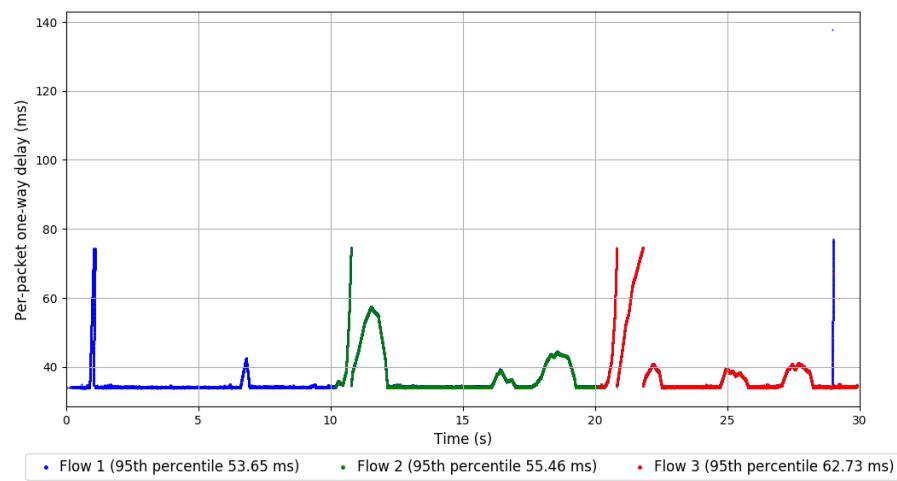
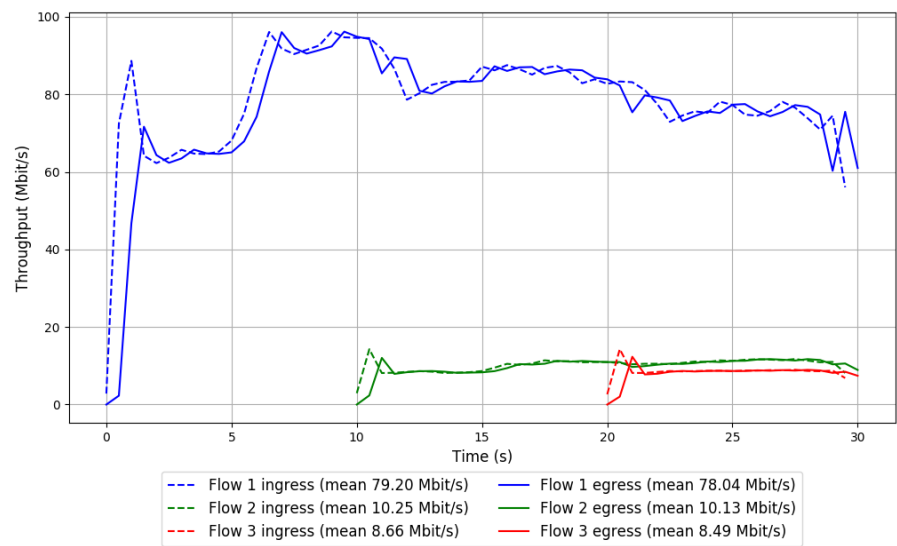
-- Flow 3:

Average throughput: 8.49 Mbit/s

95th percentile per-packet one-way delay: 62.732 ms

Loss rate: 1.89%

Run 4: Report of PCC-Allegro — Data Link



Run 5: Statistics of PCC-Allegro

Start at: 2019-10-03 06:25:19

End at: 2019-10-03 06:25:49

Local clock offset: 0.139 ms

Remote clock offset: 7.913 ms

Below is generated by plot.py at 2019-10-03 06:51:51

Datalink statistics

-- Total of 3 flows:

Average throughput: 87.25 Mbit/s

95th percentile per-packet one-way delay: 65.002 ms

Loss rate: 2.07%

-- Flow 1:

Average throughput: 78.58 Mbit/s

95th percentile per-packet one-way delay: 64.923 ms

Loss rate: 2.07%

-- Flow 2:

Average throughput: 9.13 Mbit/s

95th percentile per-packet one-way delay: 66.148 ms

Loss rate: 2.06%

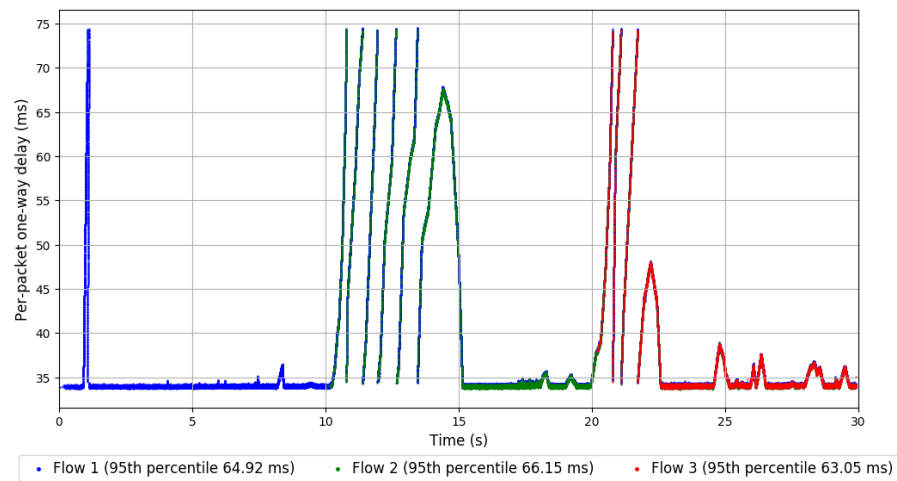
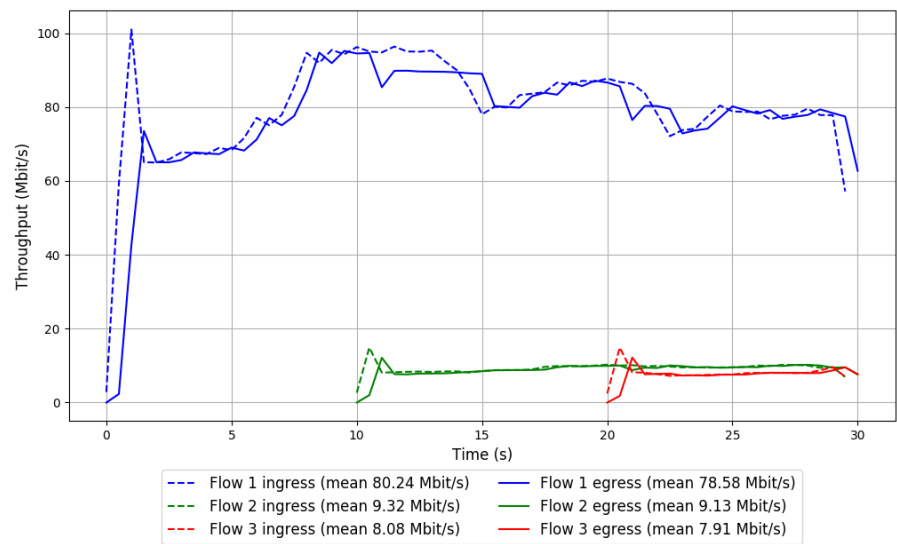
-- Flow 3:

Average throughput: 7.91 Mbit/s

95th percentile per-packet one-way delay: 63.046 ms

Loss rate: 2.22%

Run 5: Report of PCC-Allegro — Data Link

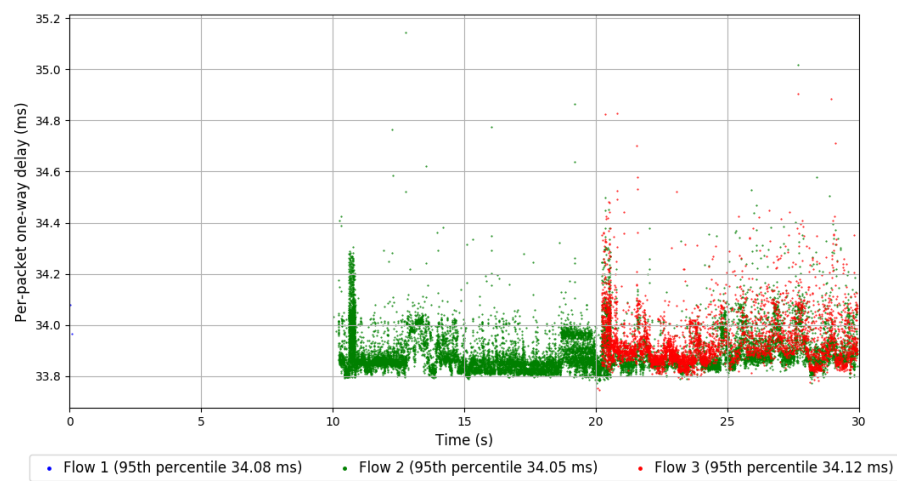
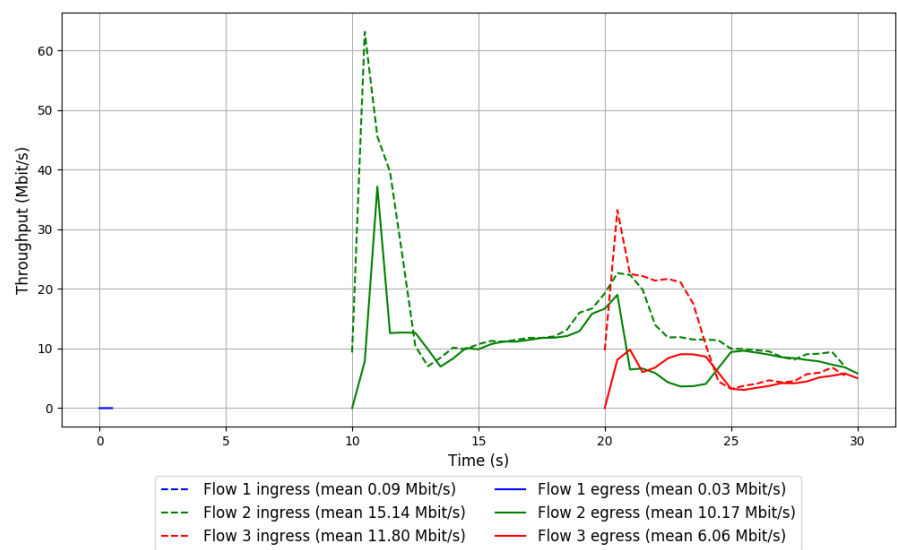


```
Run 1: Statistics of PCC-Expr

Start at: 2019-10-02 23:20:15
End at: 2019-10-02 23:20:45
Local clock offset: -0.422 ms
Remote clock offset: 6.941 ms

# Below is generated by plot.py at 2019-10-03 06:51:51
# Datalink statistics
-- Total of 3 flows:
Average throughput: 8.76 Mbit/s
95th percentile per-packet one-way delay: 34.071 ms
Loss rate: 37.24%
-- Flow 1:
Average throughput: 0.03 Mbit/s
95th percentile per-packet one-way delay: 34.078 ms
Loss rate: 85.71%
-- Flow 2:
Average throughput: 10.17 Mbit/s
95th percentile per-packet one-way delay: 34.050 ms
Loss rate: 32.81%
-- Flow 3:
Average throughput: 6.06 Mbit/s
95th percentile per-packet one-way delay: 34.119 ms
Loss rate: 48.67%
```

Run 1: Report of PCC-Expr — Data Link



Run 2: Statistics of PCC-Expr

Start at: 2019-10-03 00:44:04

End at: 2019-10-03 00:44:34

Local clock offset: -0.498 ms

Remote clock offset: 7.809 ms

Below is generated by plot.py at 2019-10-03 06:51:51

Datalink statistics

-- Total of 3 flows:

Average throughput: 8.80 Mbit/s

95th percentile per-packet one-way delay: 34.226 ms

Loss rate: 52.64%

-- Flow 1:

Average throughput: 0.03 Mbit/s

95th percentile per-packet one-way delay: 34.172 ms

Loss rate: 85.71%

-- Flow 2:

Average throughput: 10.31 Mbit/s

95th percentile per-packet one-way delay: 34.228 ms

Loss rate: 56.62%

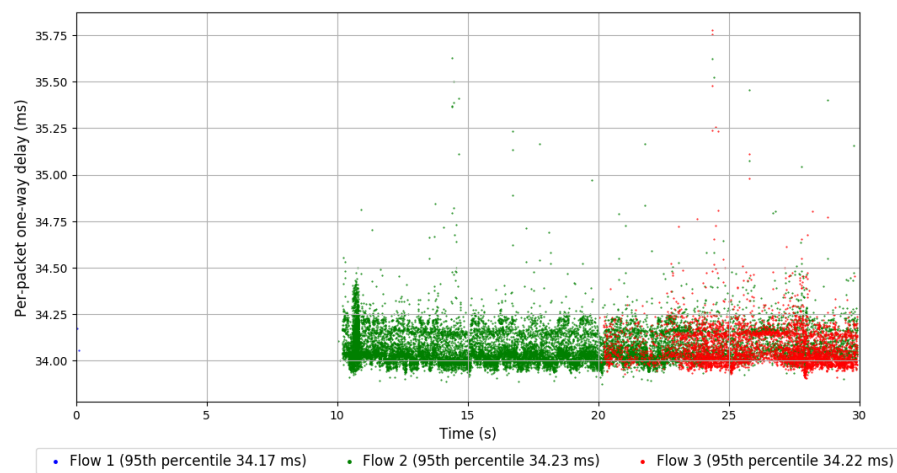
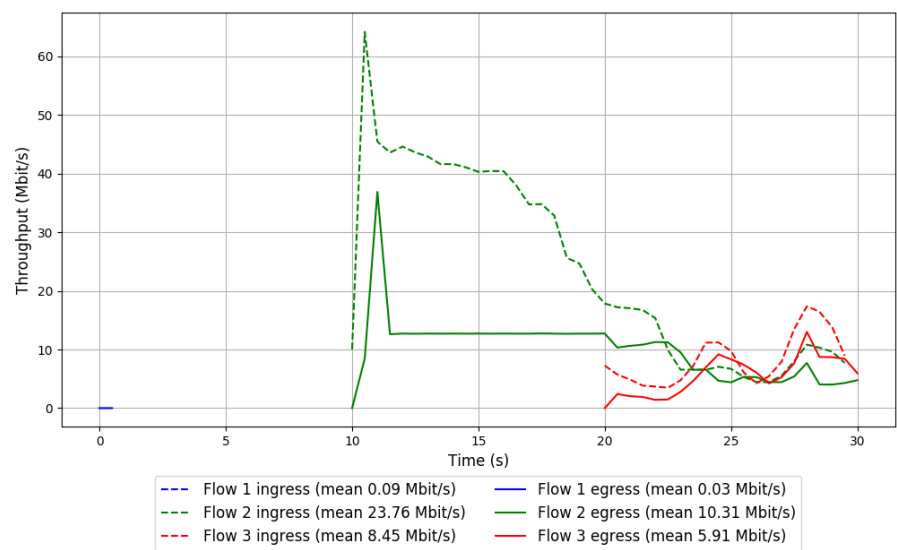
-- Flow 3:

Average throughput: 5.91 Mbit/s

95th percentile per-packet one-way delay: 34.218 ms

Loss rate: 30.10%

Run 2: Report of PCC-Expr — Data Link



Run 3: Statistics of PCC-Expr

Start at: 2019-10-03 03:24:47

End at: 2019-10-03 03:25:17

Local clock offset: 0.26 ms

Remote clock offset: 9.245 ms

Below is generated by plot.py at 2019-10-03 06:51:51

Datalink statistics

-- Total of 3 flows:

Average throughput: 8.80 Mbit/s

95th percentile per-packet one-way delay: 34.337 ms

Loss rate: 18.99%

-- Flow 1:

Average throughput: 0.03 Mbit/s

95th percentile per-packet one-way delay: 34.196 ms

Loss rate: 85.71%

-- Flow 2:

Average throughput: 10.98 Mbit/s

95th percentile per-packet one-way delay: 34.314 ms

Loss rate: 17.15%

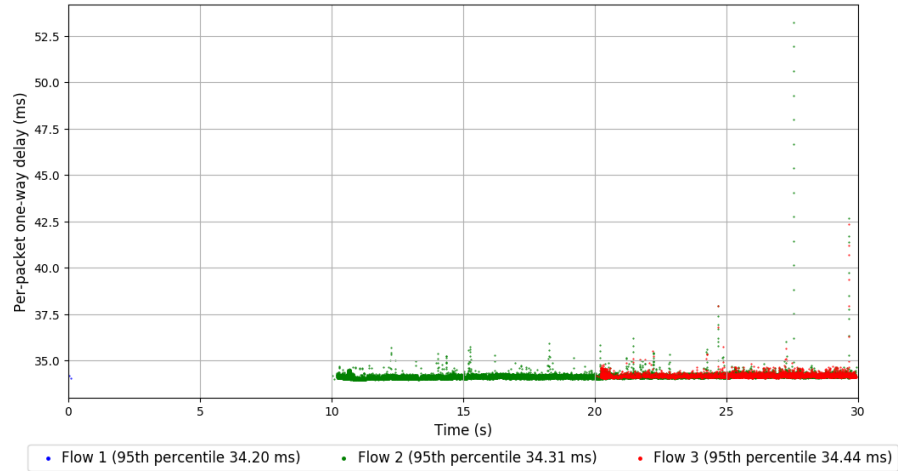
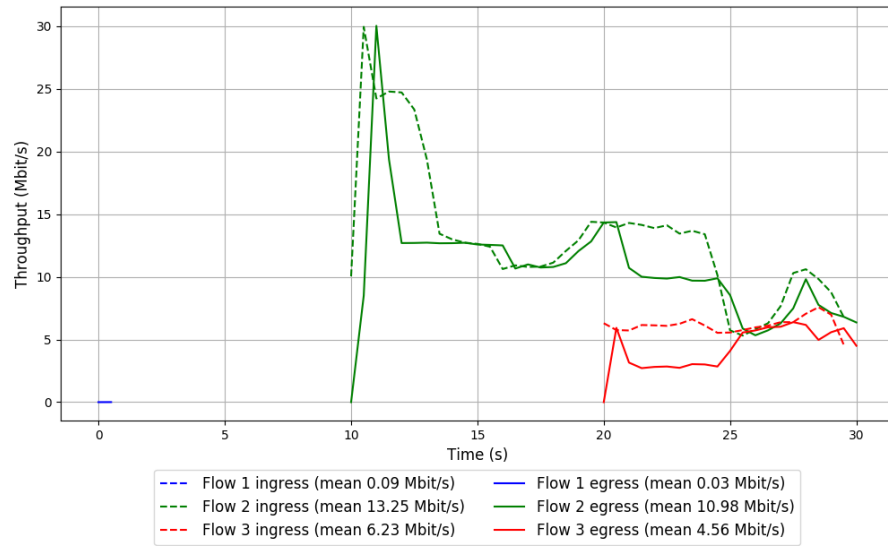
-- Flow 3:

Average throughput: 4.56 Mbit/s

95th percentile per-packet one-way delay: 34.437 ms

Loss rate: 26.88%

Run 3: Report of PCC-Expr — Data Link



Run 4: Statistics of PCC-Expr

Start at: 2019-10-03 04:53:44

End at: 2019-10-03 04:54:14

Local clock offset: 0.13 ms

Remote clock offset: 7.411 ms

Below is generated by plot.py at 2019-10-03 06:51:51

Datalink statistics

-- Total of 3 flows:

Average throughput: 8.54 Mbit/s

95th percentile per-packet one-way delay: 34.170 ms

Loss rate: 27.18%

-- Flow 1:

Average throughput: 0.03 Mbit/s

95th percentile per-packet one-way delay: 33.990 ms

Loss rate: 85.71%

-- Flow 2:

Average throughput: 9.99 Mbit/s

95th percentile per-packet one-way delay: 34.162 ms

Loss rate: 27.16%

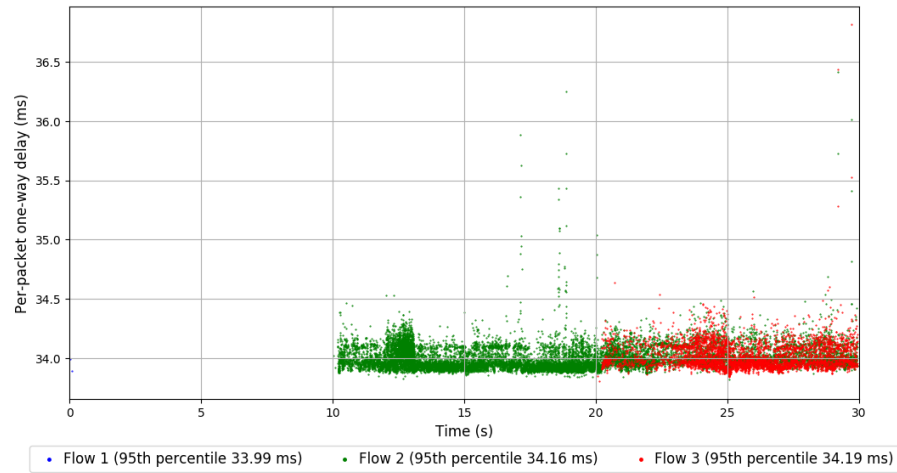
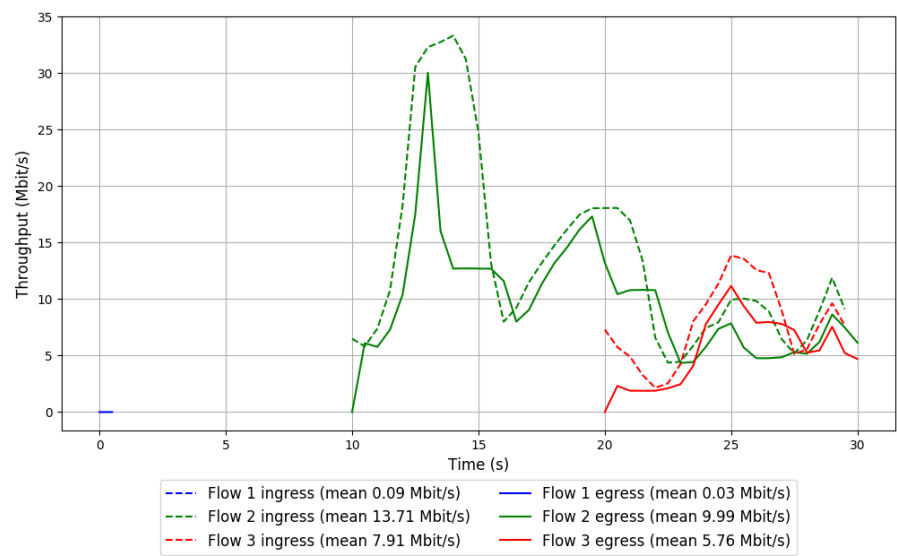
-- Flow 3:

Average throughput: 5.76 Mbit/s

95th percentile per-packet one-way delay: 34.190 ms

Loss rate: 27.26%

Run 4: Report of PCC-Expr — Data Link



Run 5: Statistics of PCC-Expr

Start at: 2019-10-03 06:05:04

End at: 2019-10-03 06:05:34

Local clock offset: 0.141 ms

Remote clock offset: 7.817 ms

Below is generated by plot.py at 2019-10-03 06:51:51

Datalink statistics

-- Total of 3 flows:

Average throughput: 8.81 Mbit/s

95th percentile per-packet one-way delay: 34.203 ms

Loss rate: 43.37%

-- Flow 1:

Average throughput: 0.03 Mbit/s

95th percentile per-packet one-way delay: 34.115 ms

Loss rate: 85.71%

-- Flow 2:

Average throughput: 9.38 Mbit/s

95th percentile per-packet one-way delay: 34.206 ms

Loss rate: 48.86%

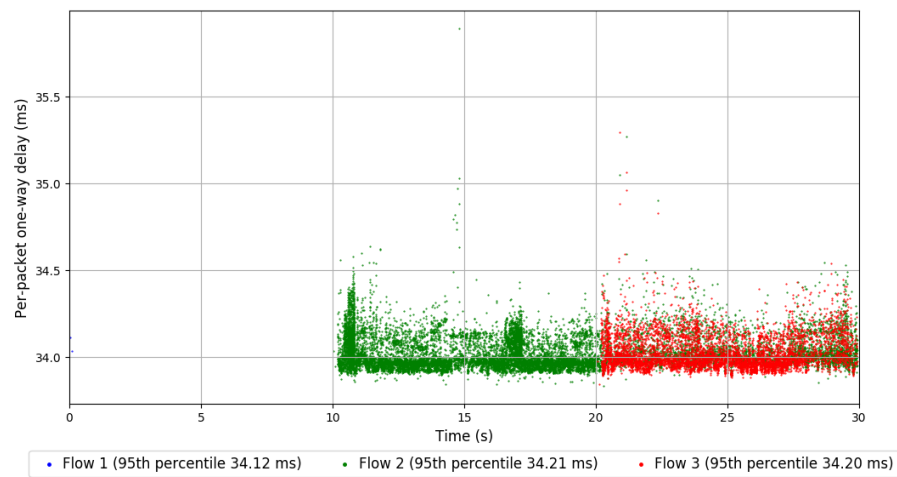
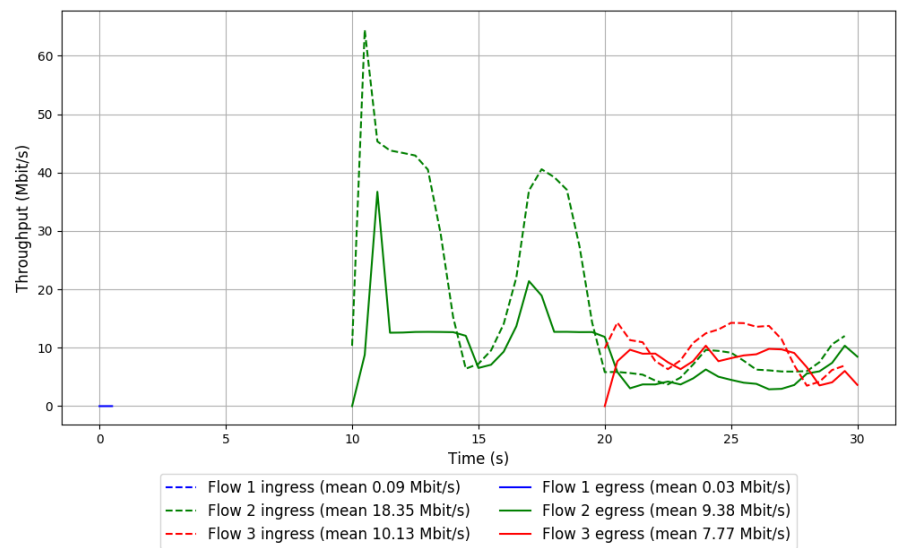
-- Flow 3:

Average throughput: 7.77 Mbit/s

95th percentile per-packet one-way delay: 34.199 ms

Loss rate: 23.32%

Run 5: Report of PCC-Expr — Data Link



Run 1: Statistics of QUIC Cubic

Start at: 2019-10-02 23:07:41

End at: 2019-10-02 23:08:11

Local clock offset: -0.3 ms

Remote clock offset: 6.976 ms

Below is generated by plot.py at 2019-10-03 06:52:25

Datalink statistics

-- Total of 3 flows:

Average throughput: 87.03 Mbit/s

95th percentile per-packet one-way delay: 70.209 ms

Loss rate: 2.03%

-- Flow 1:

Average throughput: 66.93 Mbit/s

95th percentile per-packet one-way delay: 70.120 ms

Loss rate: 2.17%

-- Flow 2:

Average throughput: 21.03 Mbit/s

95th percentile per-packet one-way delay: 70.333 ms

Loss rate: 1.37%

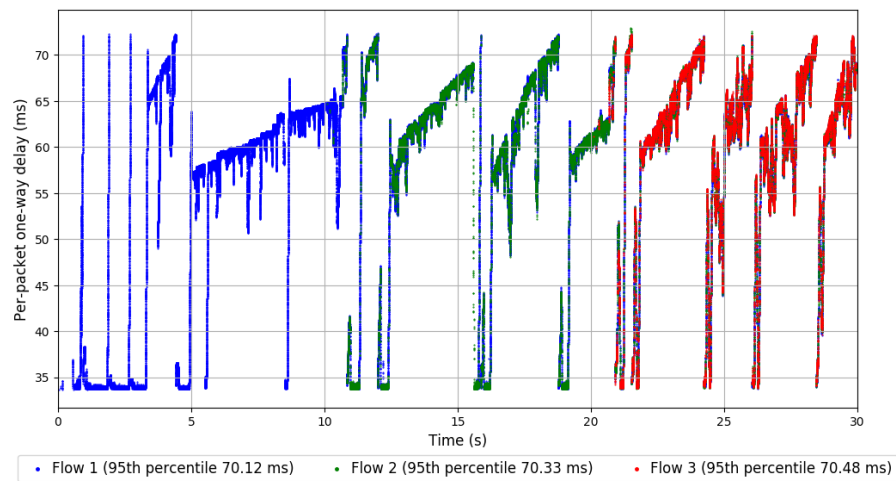
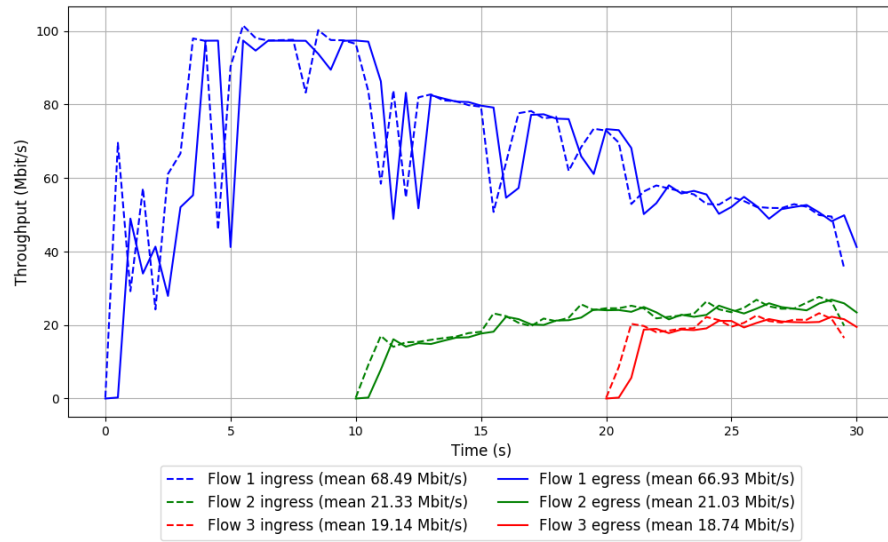
-- Flow 3:

Average throughput: 18.74 Mbit/s

95th percentile per-packet one-way delay: 70.484 ms

Loss rate: 2.01%

Run 1: Report of QUIC Cubic — Data Link



Run 2: Statistics of QUIC Cubic

Start at: 2019-10-03 00:33:12

End at: 2019-10-03 00:33:42

Local clock offset: -0.374 ms

Remote clock offset: 7.408 ms

Below is generated by plot.py at 2019-10-03 06:52:28

Datalink statistics

-- Total of 3 flows:

Average throughput: 87.56 Mbit/s

95th percentile per-packet one-way delay: 70.828 ms

Loss rate: 1.82%

-- Flow 1:

Average throughput: 67.52 Mbit/s

95th percentile per-packet one-way delay: 70.736 ms

Loss rate: 1.93%

-- Flow 2:

Average throughput: 25.24 Mbit/s

95th percentile per-packet one-way delay: 70.991 ms

Loss rate: 1.43%

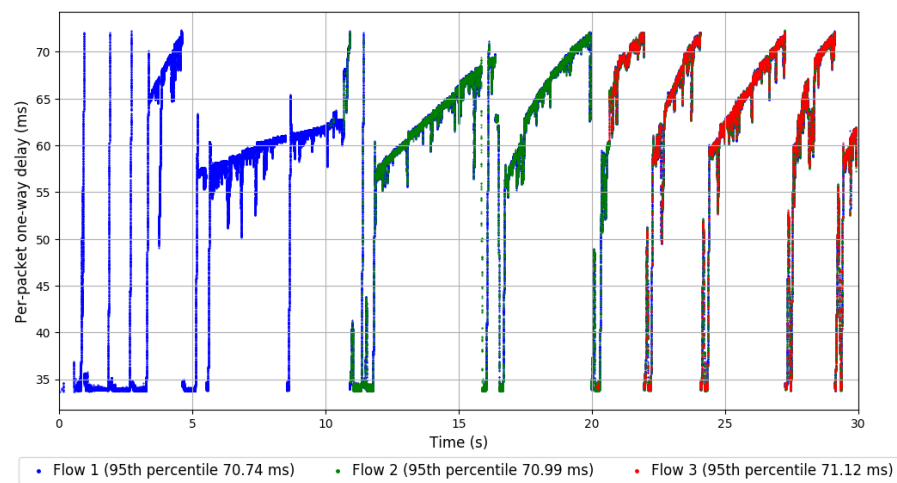
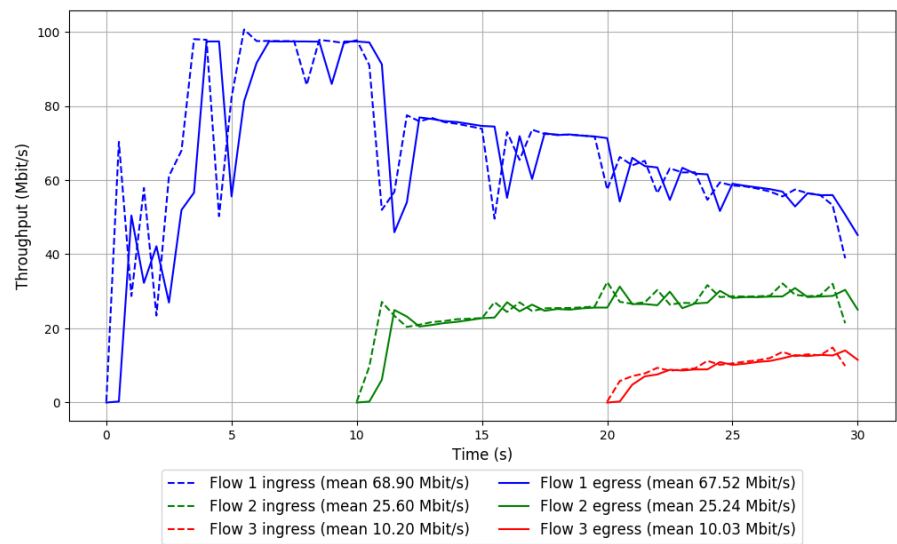
-- Flow 3:

Average throughput: 10.03 Mbit/s

95th percentile per-packet one-way delay: 71.125 ms

Loss rate: 1.53%

Run 2: Report of QUIC Cubic — Data Link

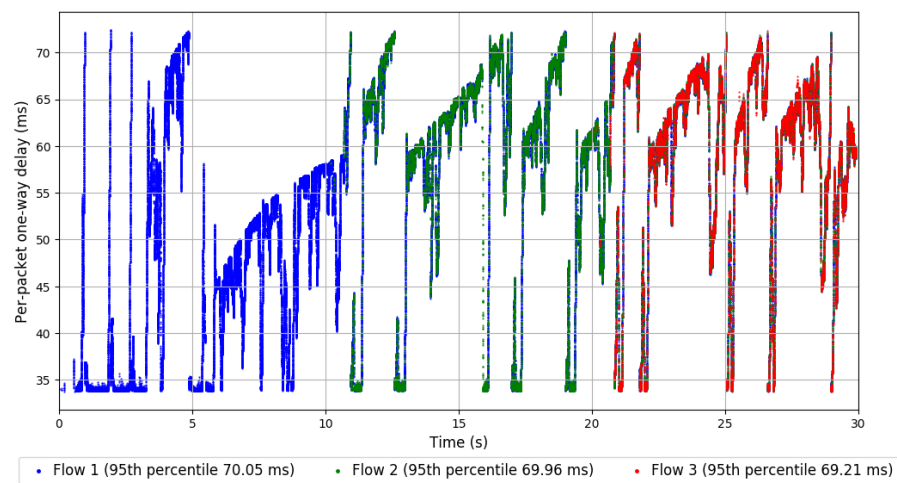
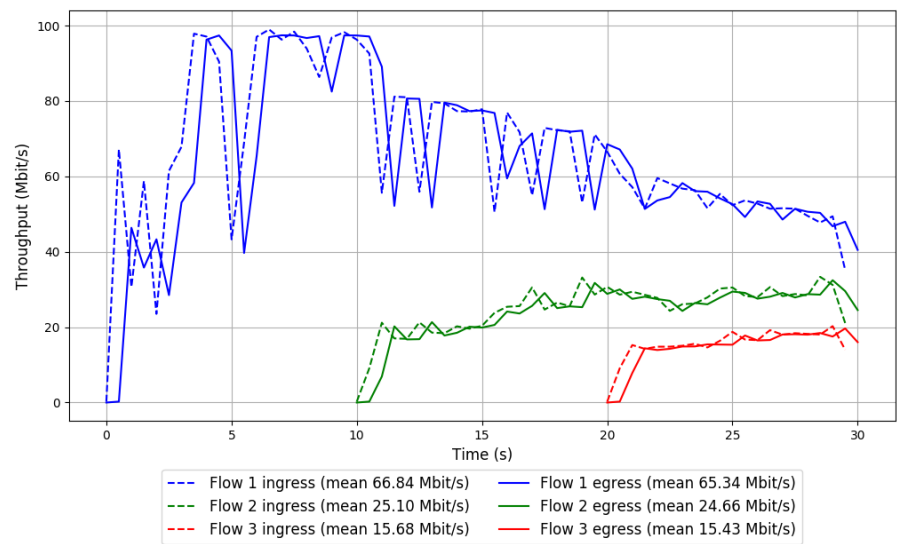


Run 3: Statistics of QUIC Cubic

Start at: 2019-10-03 02:54:12
End at: 2019-10-03 02:54:42
Local clock offset: 3.644 ms
Remote clock offset: 10.309 ms

Below is generated by plot.py at 2019-10-03 06:52:32
Datalink statistics
-- Total of 3 flows:
Average throughput: 86.77 Mbit/s
95th percentile per-packet one-way delay: 69.967 ms
Loss rate: 2.05%
-- Flow 1:
Average throughput: 65.34 Mbit/s
95th percentile per-packet one-way delay: 70.053 ms
Loss rate: 2.15%
-- Flow 2:
Average throughput: 24.66 Mbit/s
95th percentile per-packet one-way delay: 69.964 ms
Loss rate: 1.74%
-- Flow 3:
Average throughput: 15.43 Mbit/s
95th percentile per-packet one-way delay: 69.207 ms
Loss rate: 1.64%

Run 3: Report of QUIC Cubic — Data Link



Run 4: Statistics of QUIC Cubic

Start at: 2019-10-03 04:46:53

End at: 2019-10-03 04:47:23

Local clock offset: 0.127 ms

Remote clock offset: 7.288 ms

Below is generated by plot.py at 2019-10-03 06:52:32

Datalink statistics

-- Total of 3 flows:

Average throughput: 81.04 Mbit/s

95th percentile per-packet one-way delay: 70.667 ms

Loss rate: 2.97%

-- Flow 1:

Average throughput: 59.10 Mbit/s

95th percentile per-packet one-way delay: 70.539 ms

Loss rate: 3.40%

-- Flow 2:

Average throughput: 22.69 Mbit/s

95th percentile per-packet one-way delay: 70.873 ms

Loss rate: 1.75%

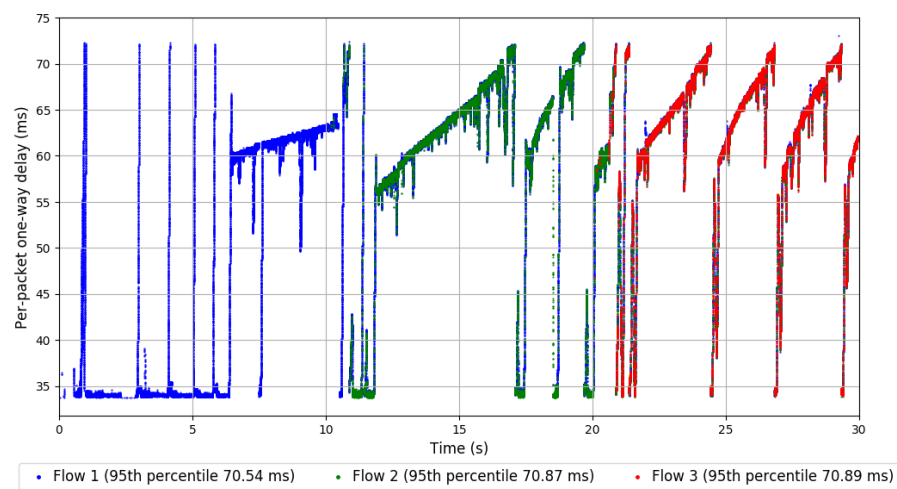
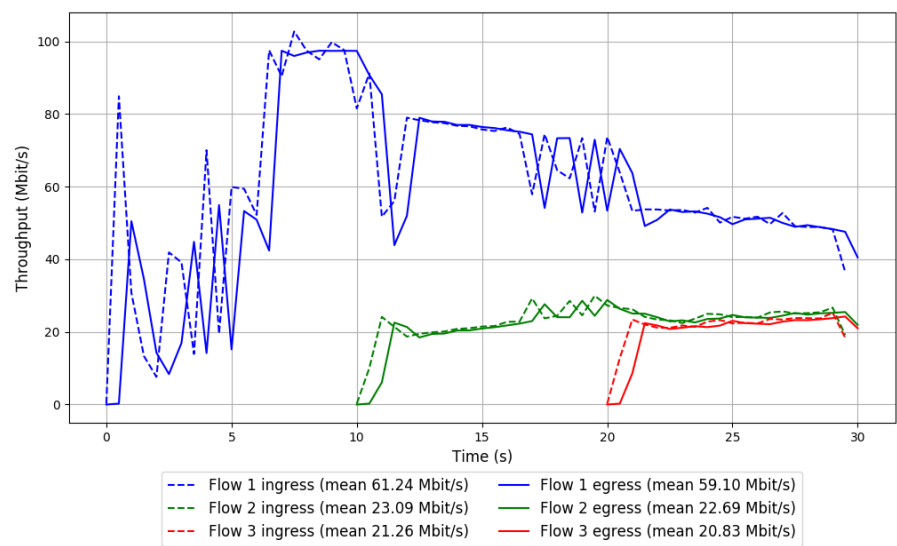
-- Flow 3:

Average throughput: 20.83 Mbit/s

95th percentile per-packet one-way delay: 70.895 ms

Loss rate: 1.88%

Run 4: Report of QUIC Cubic — Data Link



Run 5: Statistics of QUIC Cubic

Start at: 2019-10-03 05:58:38

End at: 2019-10-03 05:59:08

Local clock offset: 0.186 ms

Remote clock offset: 7.736 ms

Below is generated by plot.py at 2019-10-03 06:52:32

Datalink statistics

-- Total of 3 flows:

Average throughput: 81.79 Mbit/s

95th percentile per-packet one-way delay: 70.783 ms

Loss rate: 2.72%

-- Flow 1:

Average throughput: 59.75 Mbit/s

95th percentile per-packet one-way delay: 70.602 ms

Loss rate: 3.19%

-- Flow 2:

Average throughput: 26.09 Mbit/s

95th percentile per-packet one-way delay: 71.034 ms

Loss rate: 1.43%

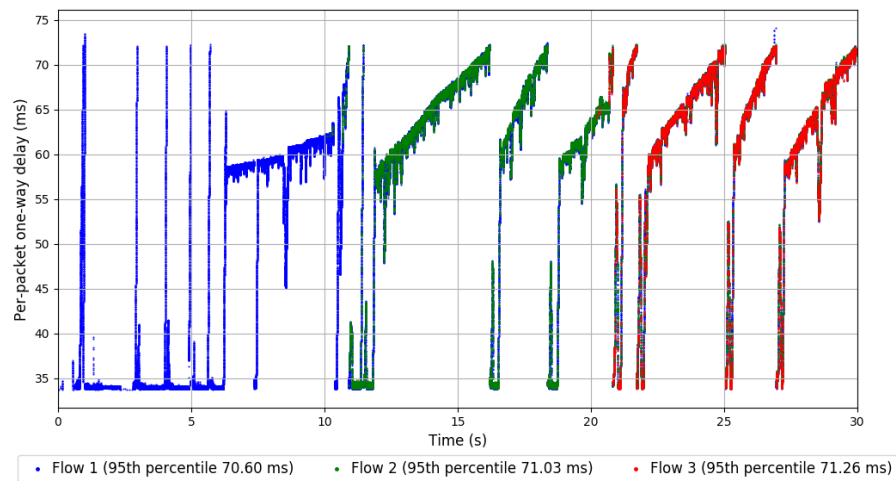
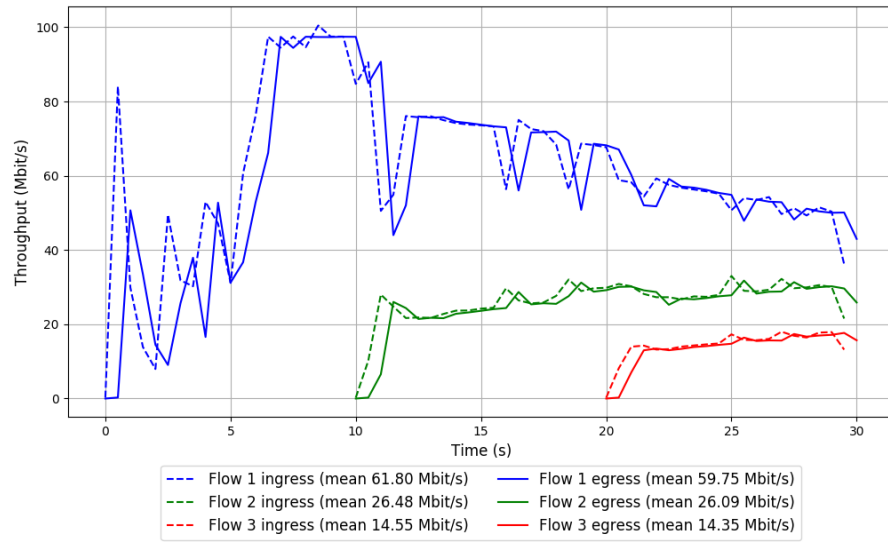
-- Flow 3:

Average throughput: 14.35 Mbit/s

95th percentile per-packet one-way delay: 71.256 ms

Loss rate: 1.33%

Run 5: Report of QUIC Cubic — Data Link

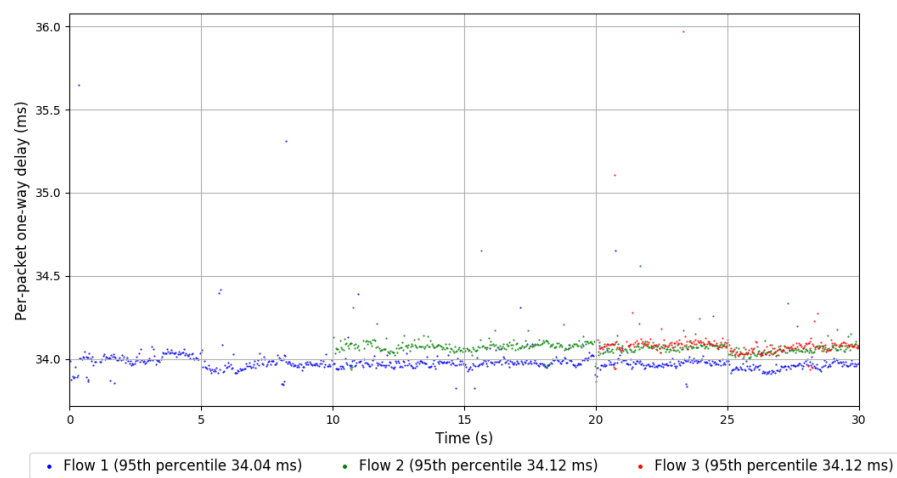
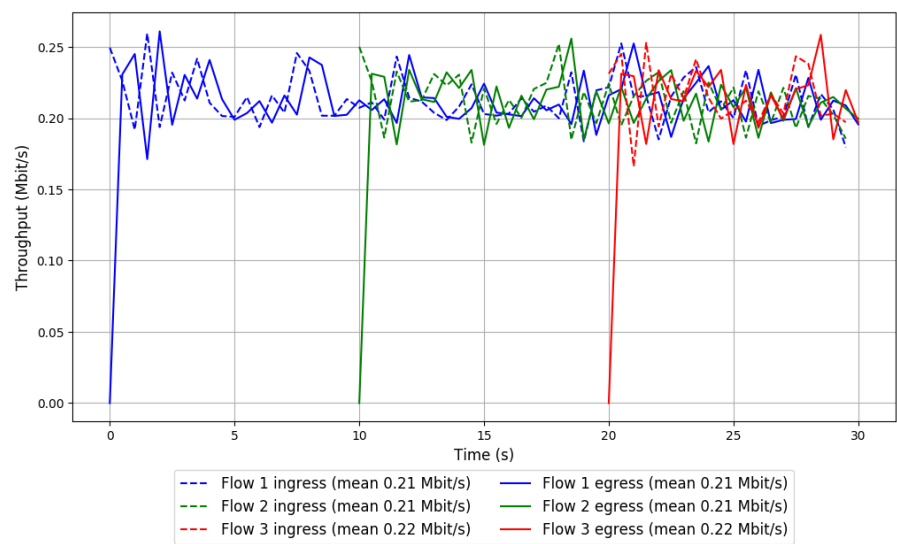


```
Run 1: Statistics of SReAM

Start at: 2019-10-02 22:45:44
End at: 2019-10-02 22:46:14
Local clock offset: -0.28 ms
Remote clock offset: 7.137 ms

# Below is generated by plot.py at 2019-10-03 06:52:32
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 34.107 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 34.036 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 34.118 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 34.119 ms
Loss rate: 0.00%
```

Run 1: Report of SReAM — Data Link

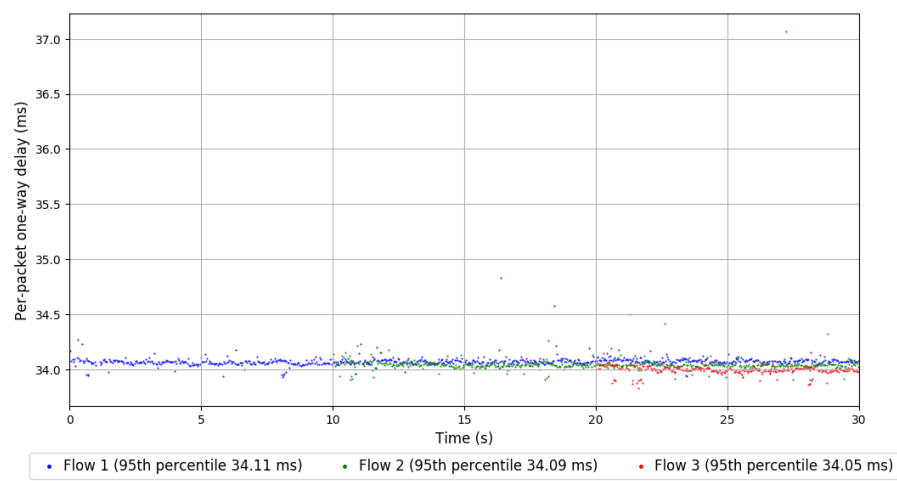
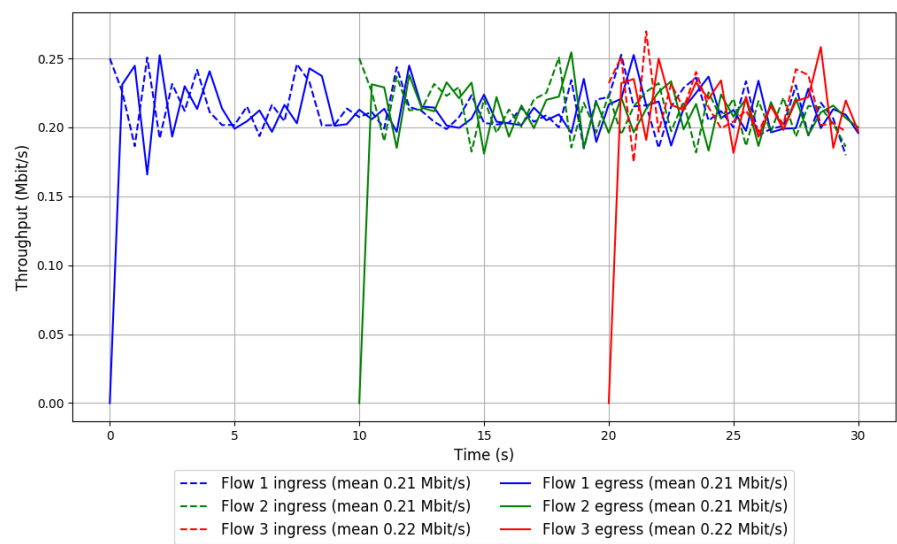


Run 2: Statistics of SReAM

Start at: 2019-10-03 00:09:09
End at: 2019-10-03 00:09:39
Local clock offset: -0.358 ms
Remote clock offset: 7.393 ms

Below is generated by plot.py at 2019-10-03 06:52:32
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 34.104 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 34.110 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 34.089 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 34.046 ms
Loss rate: 0.00%

Run 2: Report of SReAM — Data Link



Run 3: Statistics of SReAM

Start at: 2019-10-03 02:21:45

End at: 2019-10-03 02:22:15

Local clock offset: 1.253 ms

Remote clock offset: 9.285 ms

Below is generated by plot.py at 2019-10-03 06:52:32

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.43 Mbit/s

95th percentile per-packet one-way delay: 34.226 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 34.176 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 34.238 ms

Loss rate: 0.00%

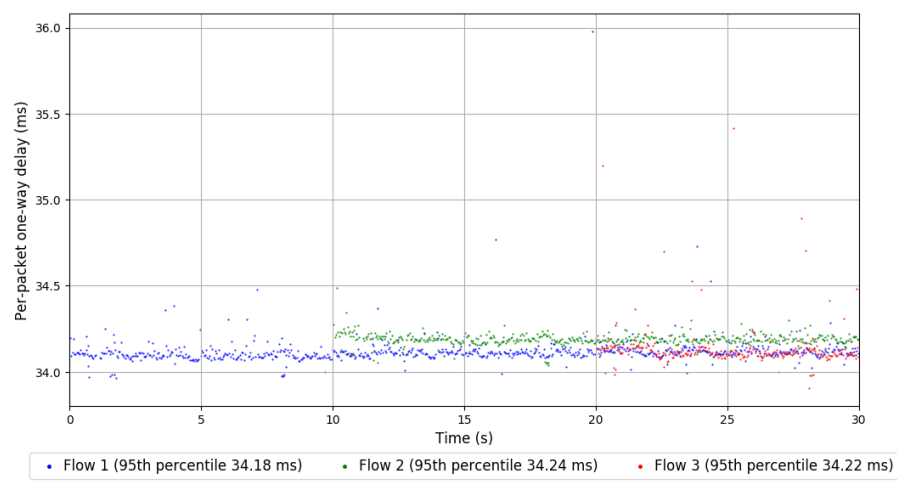
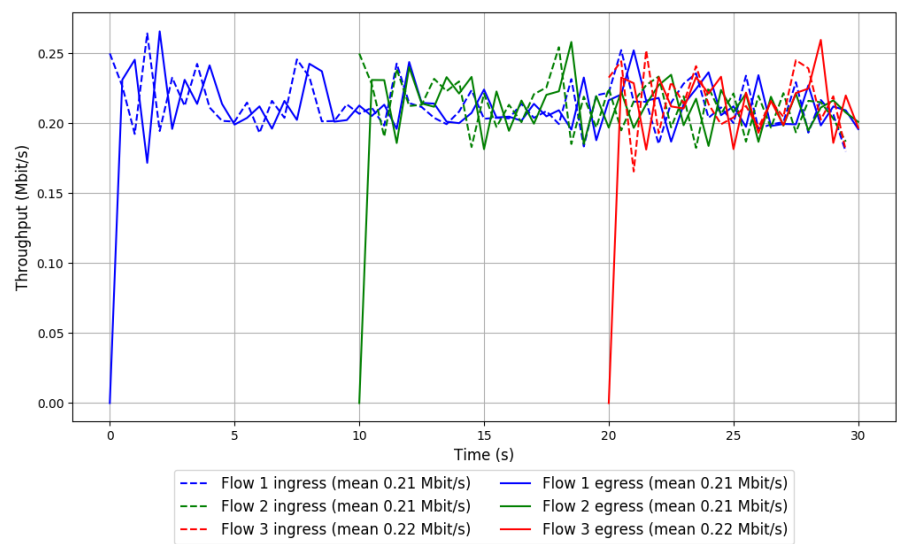
-- Flow 3:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 34.223 ms

Loss rate: 0.00%

Run 3: Report of SReAM — Data Link



Run 4: Statistics of SReAM

Start at: 2019-10-03 04:30:21

End at: 2019-10-03 04:30:51

Local clock offset: 0.134 ms

Remote clock offset: 7.341 ms

Below is generated by plot.py at 2019-10-03 06:52:32

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.43 Mbit/s

95th percentile per-packet one-way delay: 34.155 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 34.155 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 34.138 ms

Loss rate: 0.00%

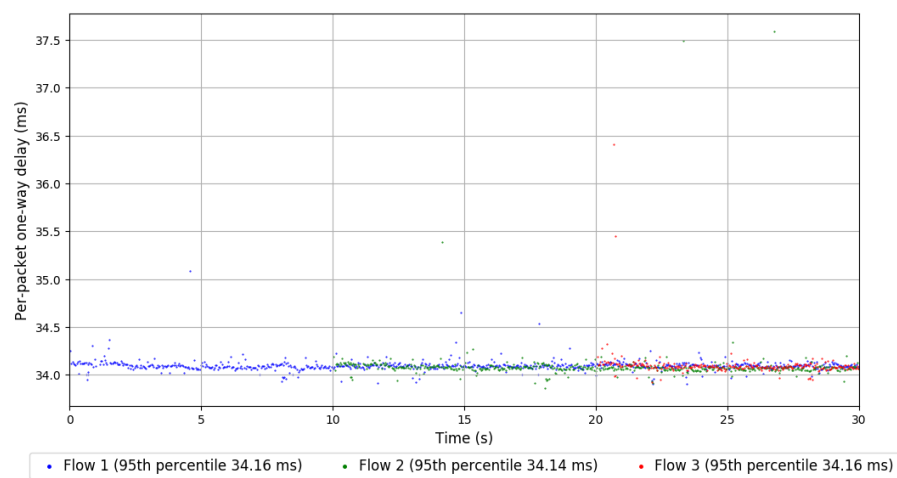
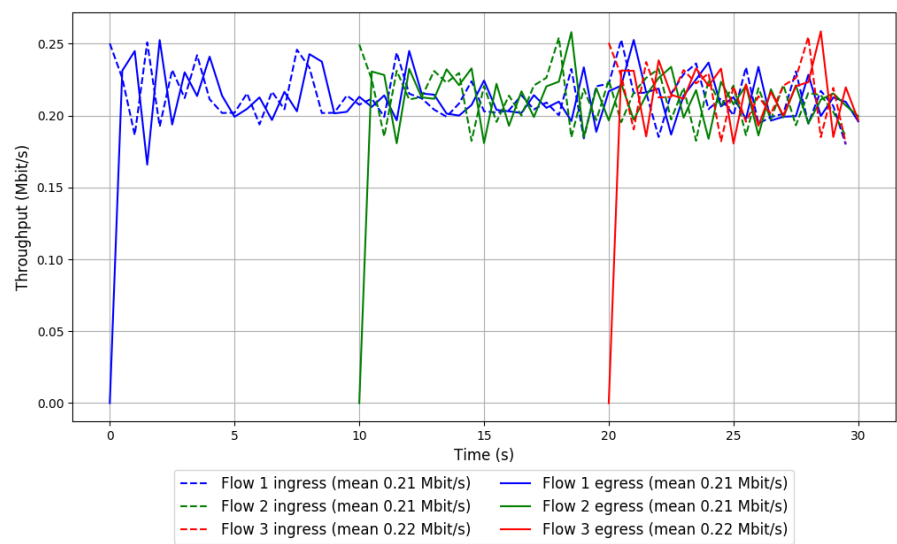
-- Flow 3:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 34.159 ms

Loss rate: 0.00%

Run 4: Report of SReAM — Data Link



Run 5: Statistics of SReAM

Start at: 2019-10-03 05:42:47

End at: 2019-10-03 05:43:17

Local clock offset: 0.173 ms

Remote clock offset: 7.892 ms

Below is generated by plot.py at 2019-10-03 06:52:32

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.43 Mbit/s

95th percentile per-packet one-way delay: 34.333 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 34.248 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 34.257 ms

Loss rate: 0.00%

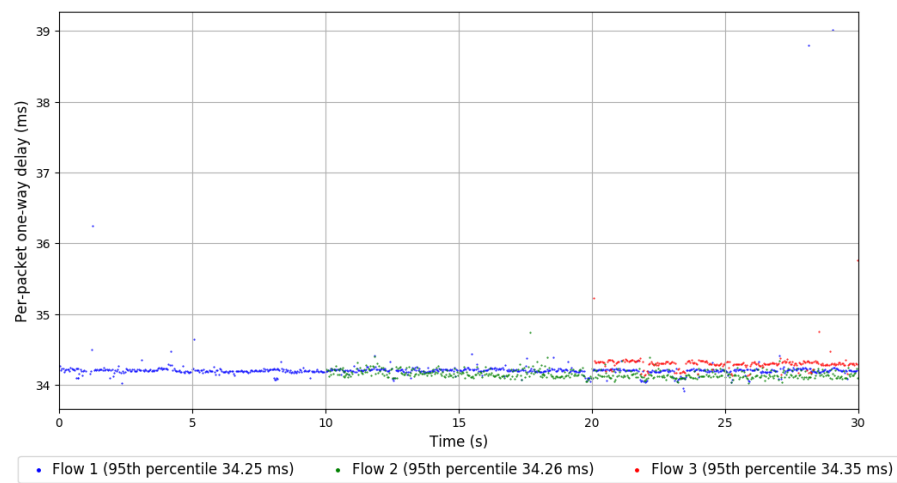
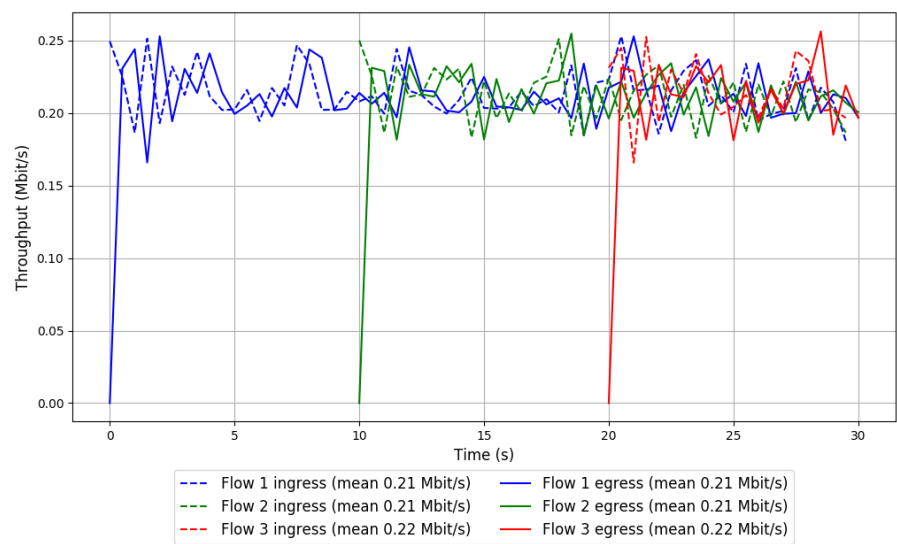
-- Flow 3:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 34.351 ms

Loss rate: 0.00%

Run 5: Report of SReAM — Data Link



Run 1: Statistics of Sprout

Start at: 2019-10-02 23:06:04

End at: 2019-10-02 23:06:34

Local clock offset: -0.243 ms

Remote clock offset: 7.091 ms

Below is generated by plot.py at 2019-10-03 06:52:32

Datalink statistics

-- Total of 3 flows:

Average throughput: 23.25 Mbit/s

95th percentile per-packet one-way delay: 40.585 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 11.70 Mbit/s

95th percentile per-packet one-way delay: 40.154 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 11.64 Mbit/s

95th percentile per-packet one-way delay: 40.397 ms

Loss rate: 0.00%

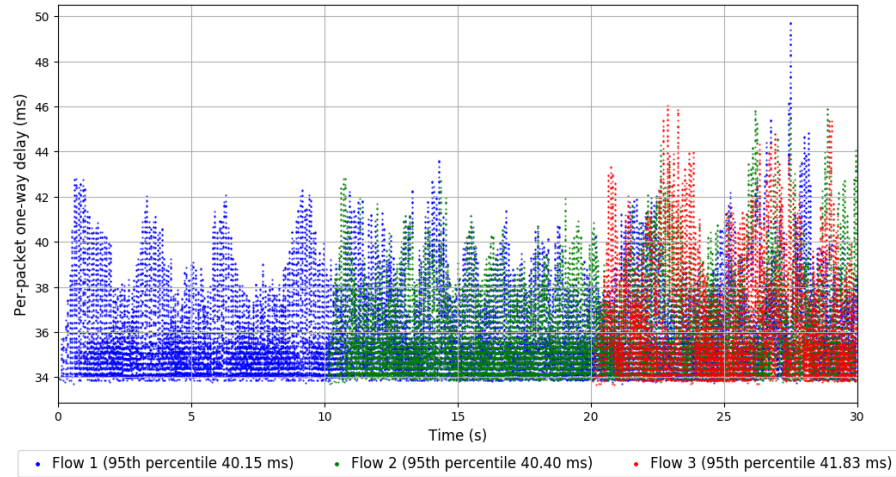
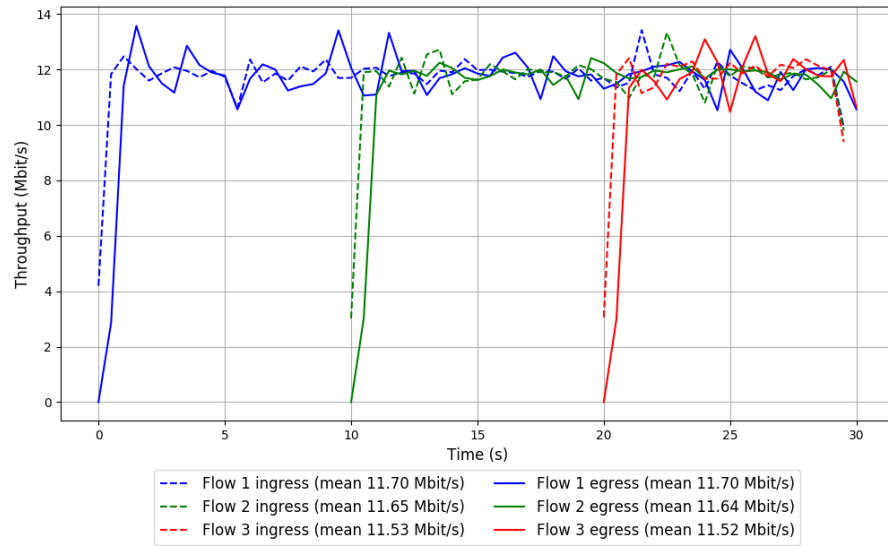
-- Flow 3:

Average throughput: 11.52 Mbit/s

95th percentile per-packet one-way delay: 41.832 ms

Loss rate: 0.00%

Run 1: Report of Sprout — Data Link

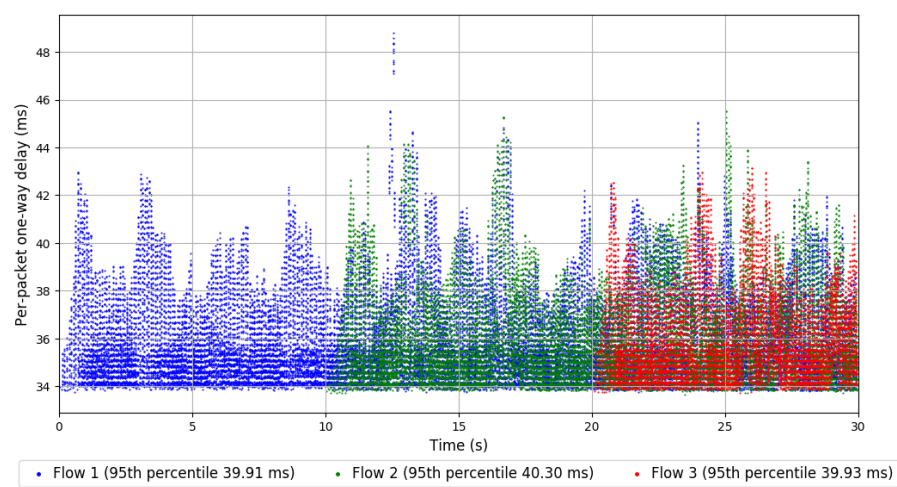
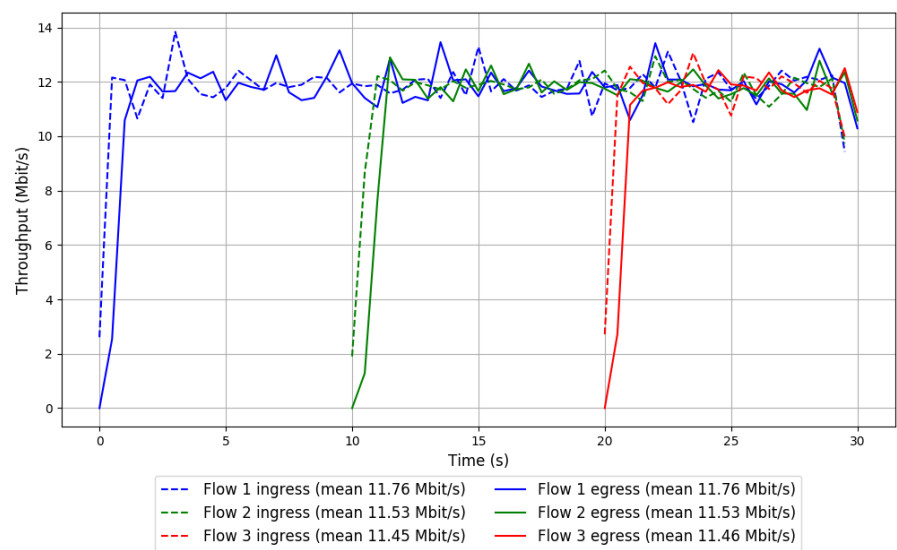


Run 2: Statistics of Sprout

Start at: 2019-10-03 00:30:53
End at: 2019-10-03 00:31:23
Local clock offset: -0.38 ms
Remote clock offset: 7.325 ms

Below is generated by plot.py at 2019-10-03 06:52:32
Datalink statistics
-- Total of 3 flows:
Average throughput: 23.21 Mbit/s
95th percentile per-packet one-way delay: 40.034 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 11.76 Mbit/s
95th percentile per-packet one-way delay: 39.909 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 11.53 Mbit/s
95th percentile per-packet one-way delay: 40.305 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 11.46 Mbit/s
95th percentile per-packet one-way delay: 39.928 ms
Loss rate: 0.02%

Run 2: Report of Sprout — Data Link

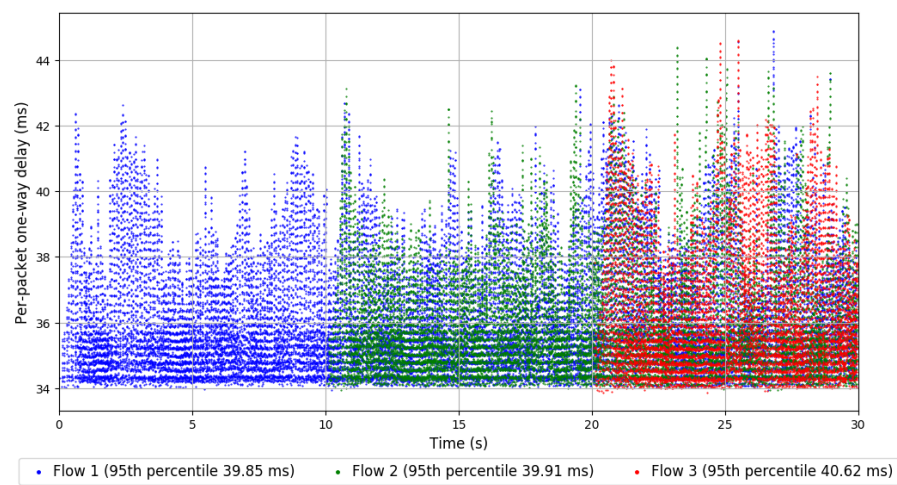
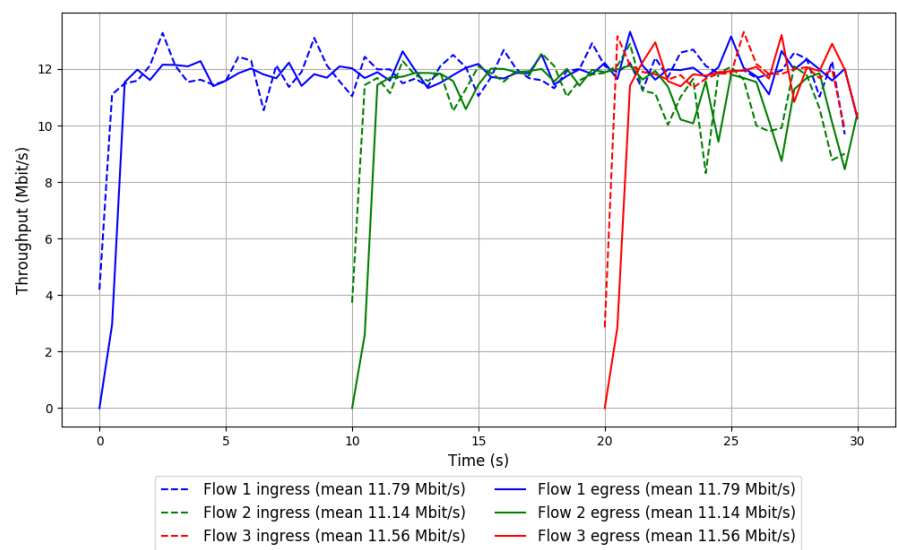


Run 3: Statistics of Sprout

Start at: 2019-10-03 02:50:52
End at: 2019-10-03 02:51:22
Local clock offset: 3.363 ms
Remote clock offset: 10.306 ms

Below is generated by plot.py at 2019-10-03 06:52:32
Datalink statistics
-- Total of 3 flows:
Average throughput: 23.02 Mbit/s
95th percentile per-packet one-way delay: 40.039 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 11.79 Mbit/s
95th percentile per-packet one-way delay: 39.846 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 11.14 Mbit/s
95th percentile per-packet one-way delay: 39.915 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 11.56 Mbit/s
95th percentile per-packet one-way delay: 40.625 ms
Loss rate: 0.00%

Run 3: Report of Sprout — Data Link



Run 4: Statistics of Sprout

Start at: 2019-10-03 04:45:06

End at: 2019-10-03 04:45:36

Local clock offset: 0.118 ms

Remote clock offset: 7.287 ms

Below is generated by plot.py at 2019-10-03 06:52:32

Datalink statistics

-- Total of 3 flows:

Average throughput: 23.19 Mbit/s

95th percentile per-packet one-way delay: 39.970 ms

Loss rate: 0.03%

-- Flow 1:

Average throughput: 11.71 Mbit/s

95th percentile per-packet one-way delay: 39.907 ms

Loss rate: 0.04%

-- Flow 2:

Average throughput: 11.65 Mbit/s

95th percentile per-packet one-way delay: 39.995 ms

Loss rate: 0.04%

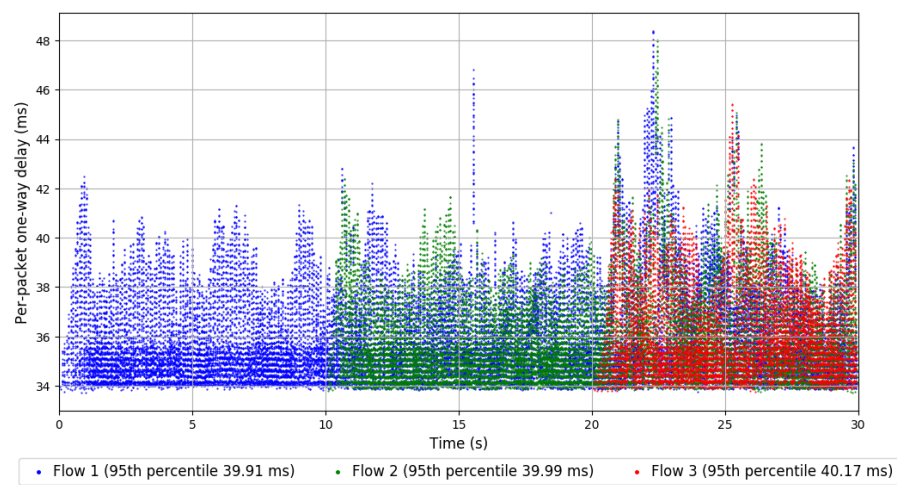
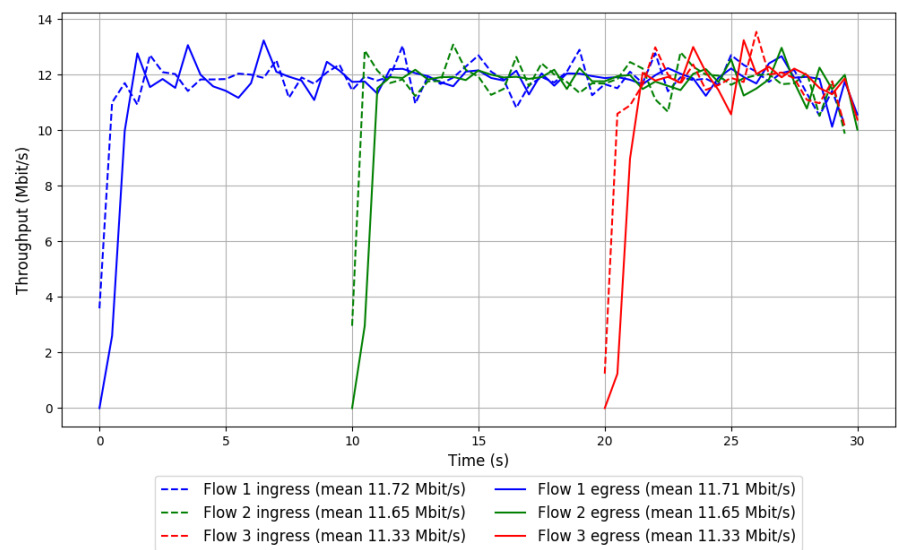
-- Flow 3:

Average throughput: 11.33 Mbit/s

95th percentile per-packet one-way delay: 40.172 ms

Loss rate: 0.01%

Run 4: Report of Sprout — Data Link

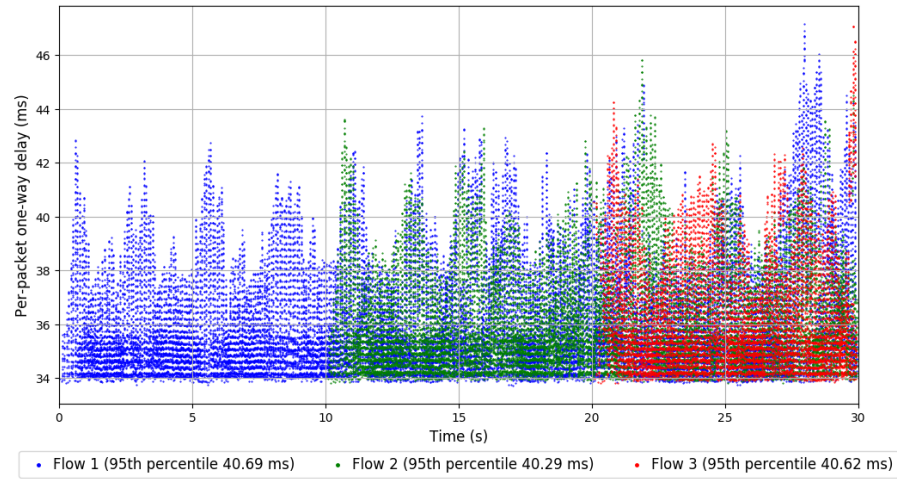
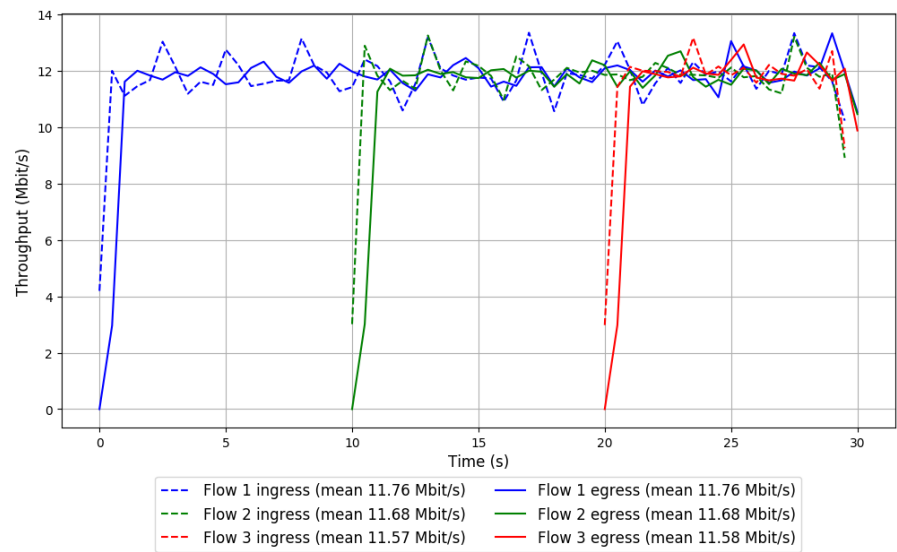


Run 5: Statistics of Sprout

Start at: 2019-10-03 05:56:51
End at: 2019-10-03 05:57:21
Local clock offset: 0.198 ms
Remote clock offset: 7.738 ms

```
# Below is generated by plot.py at 2019-10-03 06:52:33
# Datalink statistics
-- Total of 3 flows:
Average throughput: 23.35 Mbit/s
95th percentile per-packet one-way delay: 40.560 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 11.76 Mbit/s
95th percentile per-packet one-way delay: 40.685 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 11.68 Mbit/s
95th percentile per-packet one-way delay: 40.292 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 11.58 Mbit/s
95th percentile per-packet one-way delay: 40.624 ms
Loss rate: 0.00%
```

Run 5: Report of Sprout — Data Link



Run 1: Statistics of TaoVA-100x

Start at: 2019-10-02 23:35:16

End at: 2019-10-02 23:35:46

Local clock offset: -0.296 ms

Remote clock offset: 7.453 ms

Below is generated by plot.py at 2019-10-03 06:52:38

Datalink statistics

-- Total of 3 flows:

Average throughput: 8.57 Mbit/s

95th percentile per-packet one-way delay: 35.204 ms

Loss rate: 86.69%

-- Flow 1:

Average throughput: 0.00 Mbit/s

95th percentile per-packet one-way delay: 34.055 ms

Loss rate: 95.92%

-- Flow 2:

Average throughput: 10.33 Mbit/s

95th percentile per-packet one-way delay: 34.881 ms

Loss rate: 86.54%

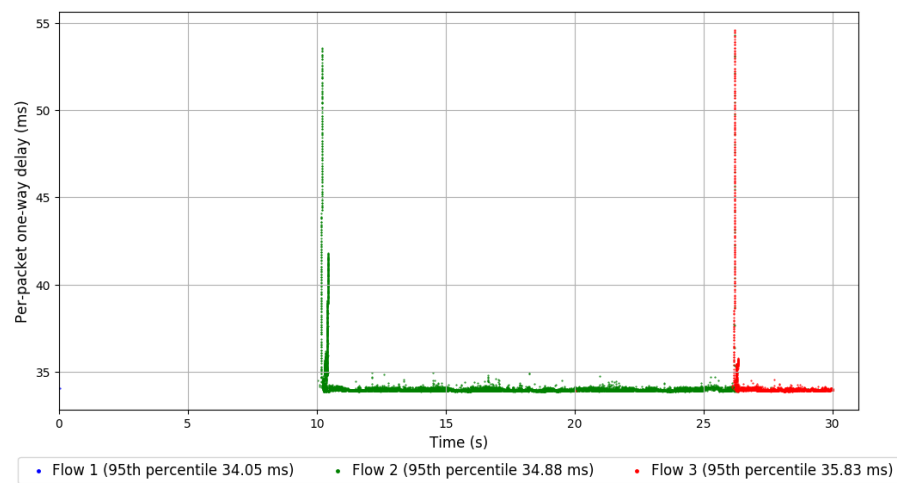
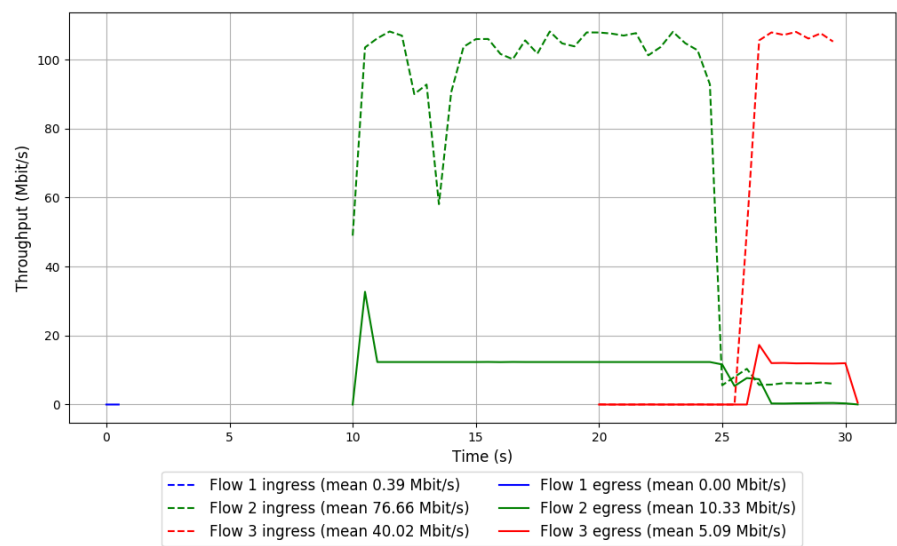
-- Flow 3:

Average throughput: 5.09 Mbit/s

95th percentile per-packet one-way delay: 35.829 ms

Loss rate: 87.28%

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



Run 2: Statistics of TaoVA-100x

Start at: 2019-10-03 01:24:58

End at: 2019-10-03 01:25:28

Local clock offset: -0.704 ms

Remote clock offset: 8.31 ms

Below is generated by plot.py at 2019-10-03 06:52:40

Datalink statistics

-- Total of 3 flows:

Average throughput: 8.57 Mbit/s

95th percentile per-packet one-way delay: 35.040 ms

Loss rate: 86.45%

-- Flow 1:

Average throughput: 0.00 Mbit/s

95th percentile per-packet one-way delay: 34.013 ms

Loss rate: 95.92%

-- Flow 2:

Average throughput: 10.23 Mbit/s

95th percentile per-packet one-way delay: 34.539 ms

Loss rate: 86.70%

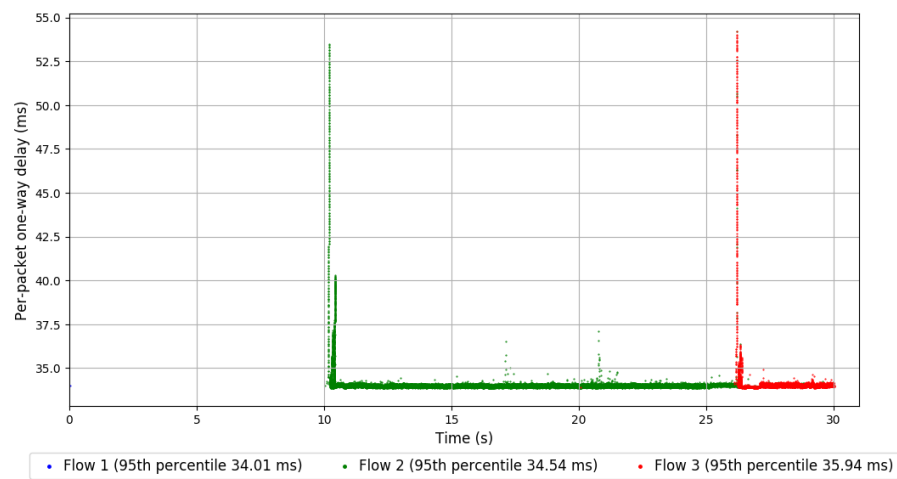
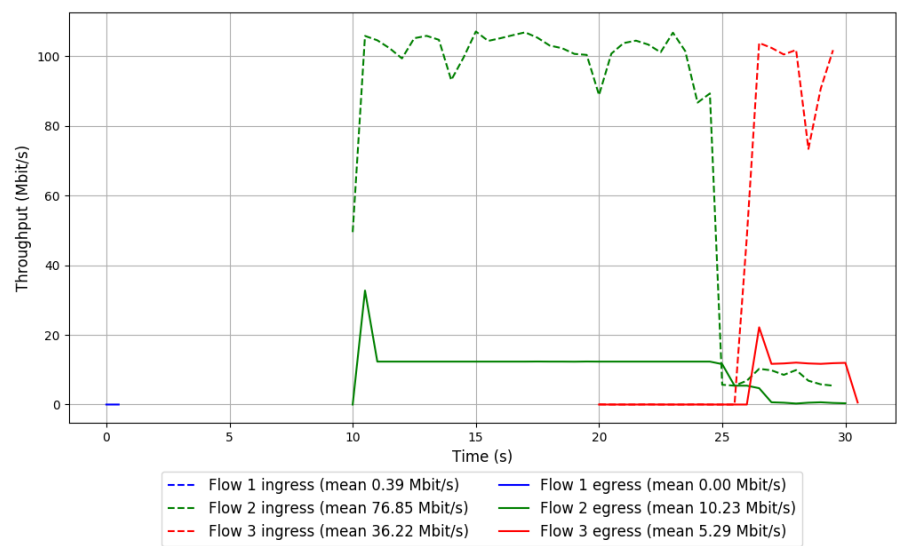
-- Flow 3:

Average throughput: 5.29 Mbit/s

95th percentile per-packet one-way delay: 35.939 ms

Loss rate: 85.39%

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



Run 3: Statistics of TaoVA-100x

Start at: 2019-10-03 03:52:49

End at: 2019-10-03 03:53:19

Local clock offset: 0.096 ms

Remote clock offset: 6.576 ms

Below is generated by plot.py at 2019-10-03 06:52:46

Datalink statistics

-- Total of 3 flows:

Average throughput: 8.57 Mbit/s

95th percentile per-packet one-way delay: 35.355 ms

Loss rate: 86.48%

-- Flow 1:

Average throughput: 0.00 Mbit/s

95th percentile per-packet one-way delay: 33.958 ms

Loss rate: 95.92%

-- Flow 2:

Average throughput: 10.30 Mbit/s

95th percentile per-packet one-way delay: 35.159 ms

Loss rate: 86.56%

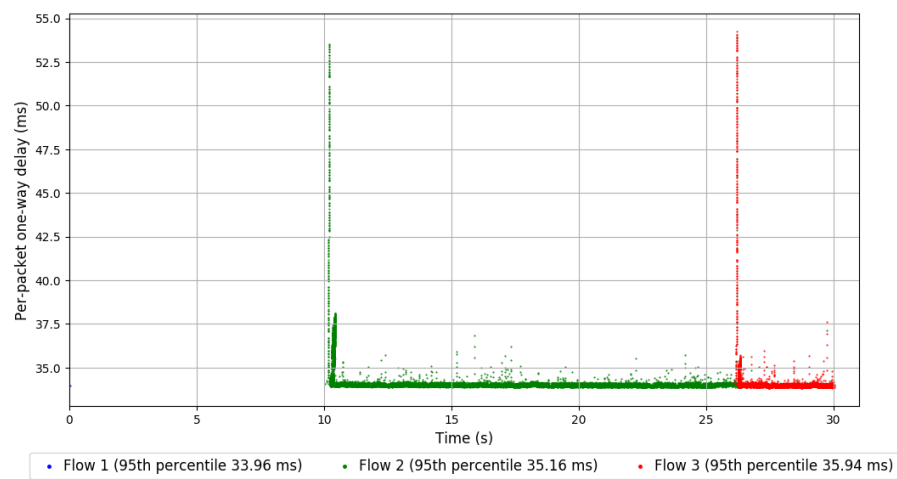
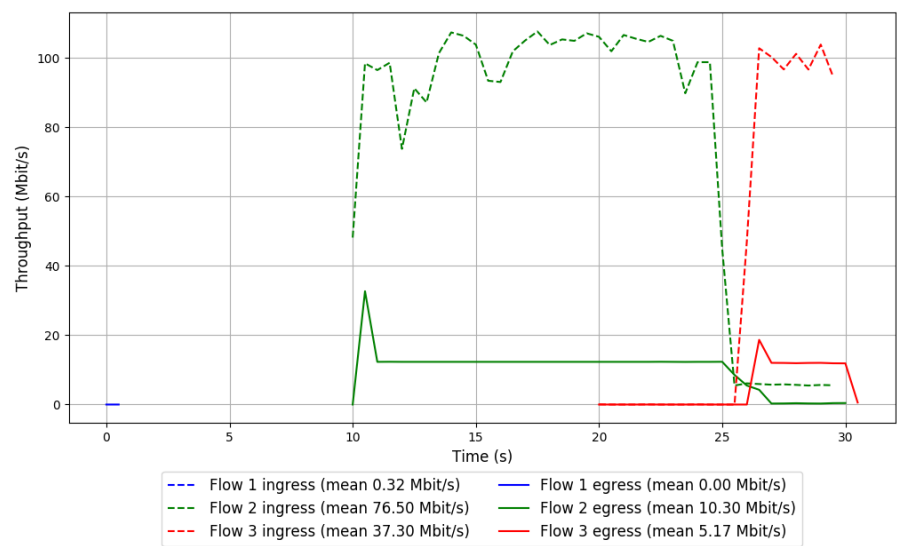
-- Flow 3:

Average throughput: 5.17 Mbit/s

95th percentile per-packet one-way delay: 35.941 ms

Loss rate: 86.14%

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



Run 4: Statistics of TaoVA-100x

Start at: 2019-10-03 05:09:08

End at: 2019-10-03 05:09:38

Local clock offset: 0.13 ms

Remote clock offset: 7.562 ms

Below is generated by plot.py at 2019-10-03 06:52:46

Datalink statistics

-- Total of 3 flows:

Average throughput: 8.44 Mbit/s

95th percentile per-packet one-way delay: 36.598 ms

Loss rate: 72.44%

-- Flow 1:

Average throughput: 0.00 Mbit/s

95th percentile per-packet one-way delay: 34.033 ms

Loss rate: 95.92%

-- Flow 2:

Average throughput: 8.97 Mbit/s

95th percentile per-packet one-way delay: 36.340 ms

Loss rate: 78.45%

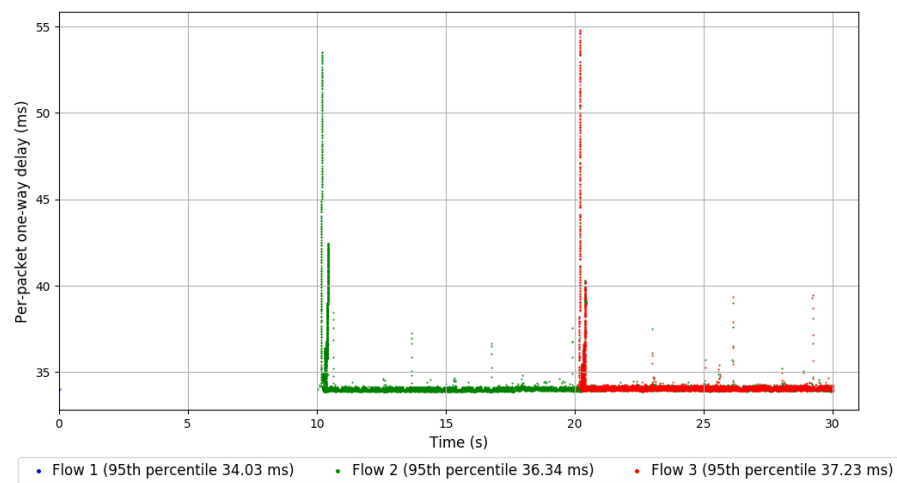
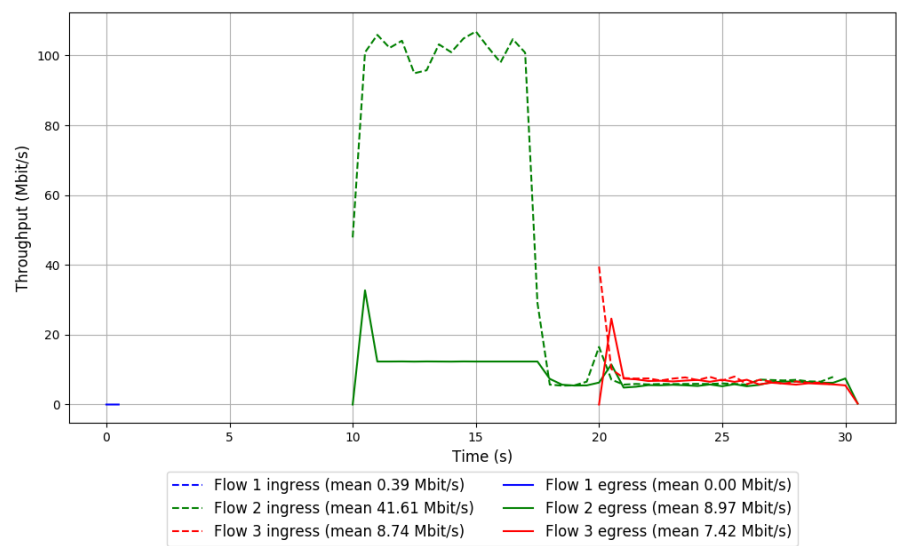
-- Flow 3:

Average throughput: 7.42 Mbit/s

95th percentile per-packet one-way delay: 37.235 ms

Loss rate: 15.18%

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



Run 5: Statistics of TaoVA-100x

Start at: 2019-10-03 06:20:05

End at: 2019-10-03 06:20:35

Local clock offset: 0.132 ms

Remote clock offset: 7.939 ms

Below is generated by plot.py at 2019-10-03 06:52:46

Datalink statistics

-- Total of 3 flows:

Average throughput: 8.57 Mbit/s

95th percentile per-packet one-way delay: 34.328 ms

Loss rate: 72.08%

-- Flow 1:

Average throughput: 0.00 Mbit/s

95th percentile per-packet one-way delay: 34.011 ms

Loss rate: 95.92%

-- Flow 2:

Average throughput: 9.50 Mbit/s

95th percentile per-packet one-way delay: 34.263 ms

Loss rate: 77.47%

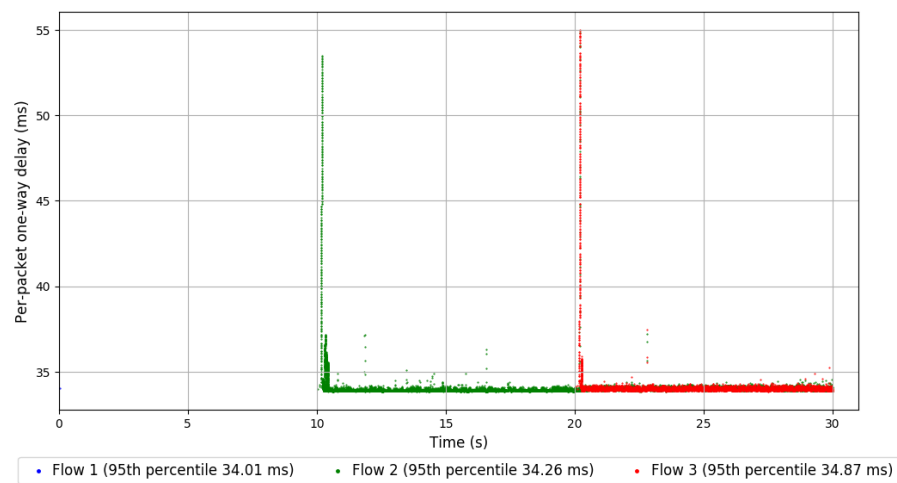
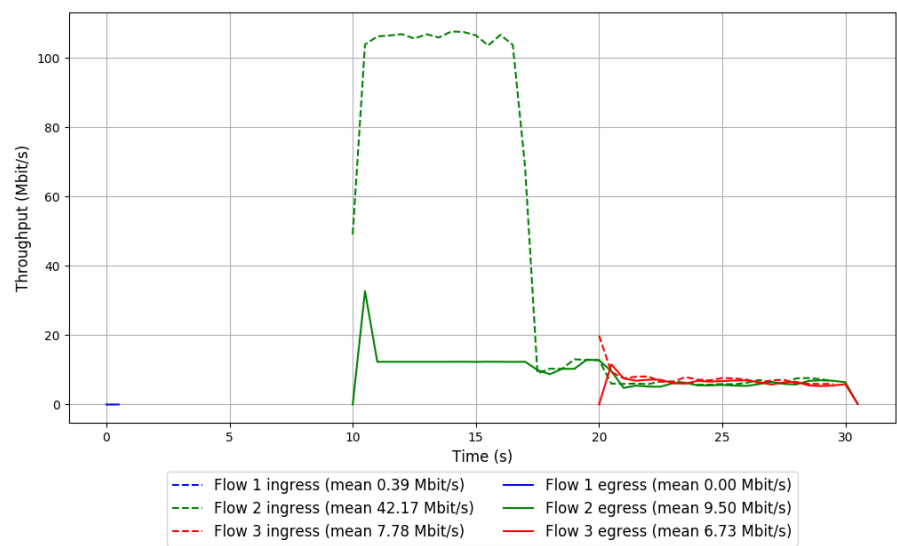
-- Flow 3:

Average throughput: 6.73 Mbit/s

95th percentile per-packet one-way delay: 34.869 ms

Loss rate: 13.45%

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



Run 1: Statistics of TCP Vegas

Start at: 2019-10-02 23:21:57

End at: 2019-10-02 23:22:27

Local clock offset: -0.473 ms

Remote clock offset: 7.057 ms

Below is generated by plot.py at 2019-10-03 06:53:37

Datalink statistics

-- Total of 3 flows:

Average throughput: 91.18 Mbit/s

95th percentile per-packet one-way delay: 60.702 ms

Loss rate: 0.62%

-- Flow 1:

Average throughput: 64.97 Mbit/s

95th percentile per-packet one-way delay: 60.210 ms

Loss rate: 0.87%

-- Flow 2:

Average throughput: 31.23 Mbit/s

95th percentile per-packet one-way delay: 62.022 ms

Loss rate: 0.00%

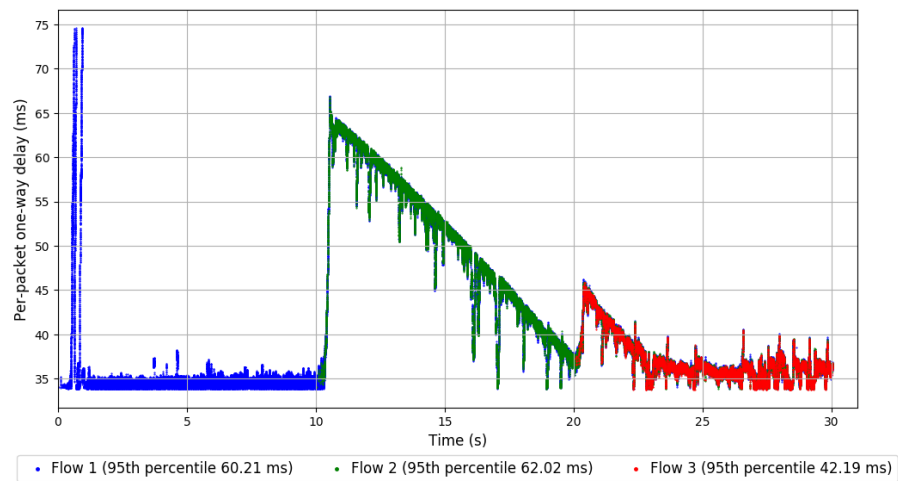
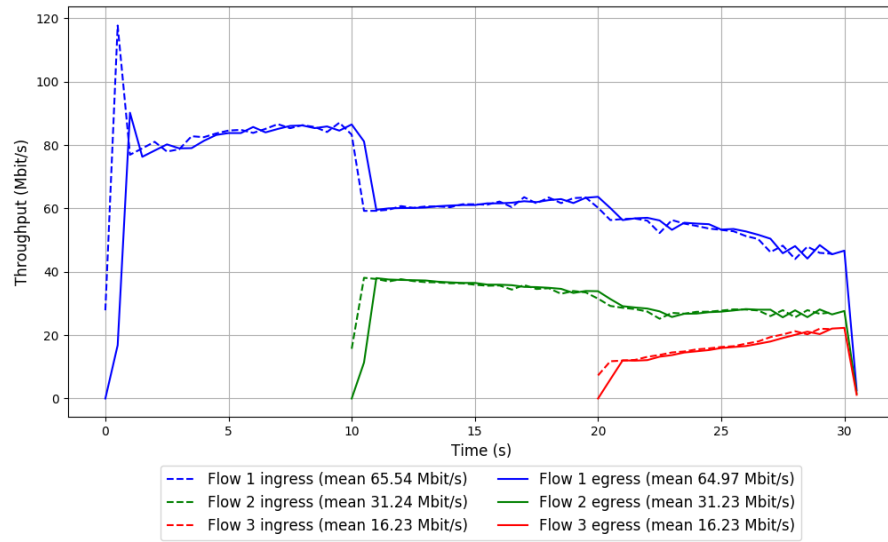
-- Flow 3:

Average throughput: 16.23 Mbit/s

95th percentile per-packet one-way delay: 42.190 ms

Loss rate: 0.00%

Run 1: Report of TCP Vegas — Data Link



Run 2: Statistics of TCP Vegas

Start at: 2019-10-03 00:45:50

End at: 2019-10-03 00:46:20

Local clock offset: -0.54 ms

Remote clock offset: 7.774 ms

Below is generated by plot.py at 2019-10-03 06:53:42

Datalink statistics

-- Total of 3 flows:

Average throughput: 94.56 Mbit/s

95th percentile per-packet one-way delay: 44.993 ms

Loss rate: 0.27%

-- Flow 1:

Average throughput: 81.13 Mbit/s

95th percentile per-packet one-way delay: 45.200 ms

Loss rate: 0.31%

-- Flow 2:

Average throughput: 13.42 Mbit/s

95th percentile per-packet one-way delay: 43.349 ms

Loss rate: 0.00%

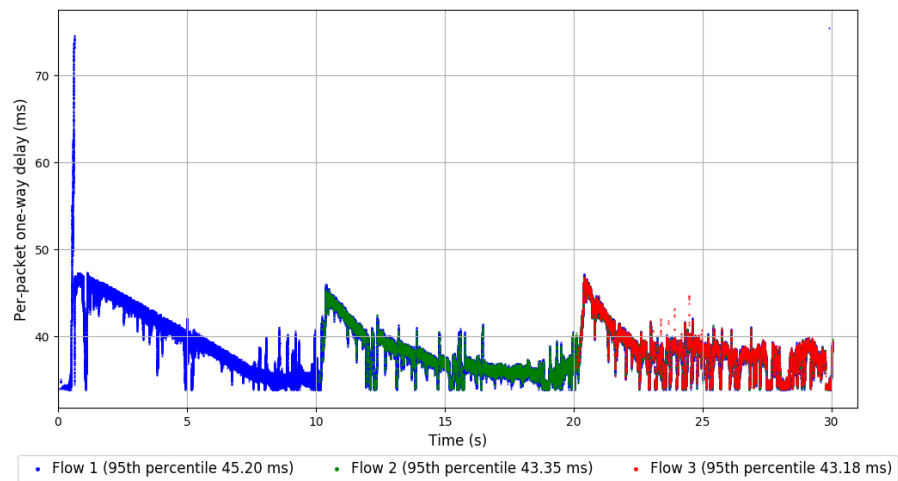
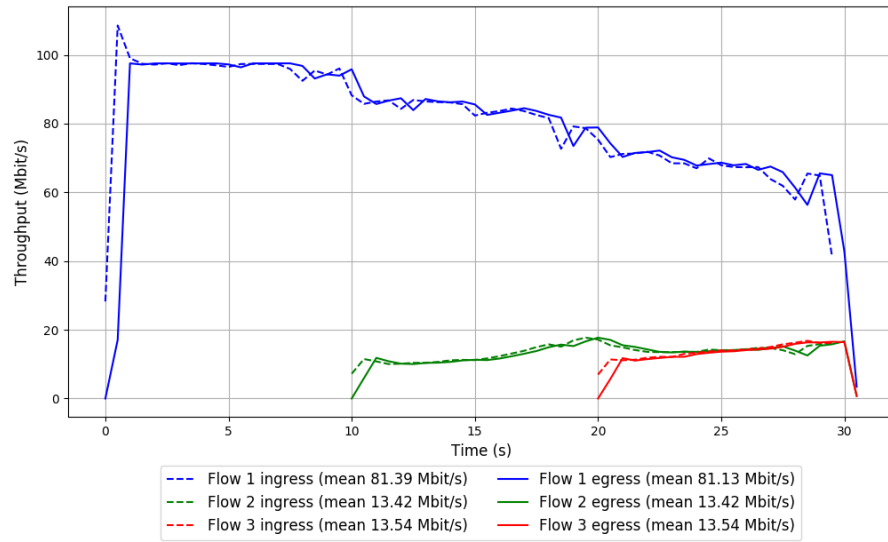
-- Flow 3:

Average throughput: 13.54 Mbit/s

95th percentile per-packet one-way delay: 43.179 ms

Loss rate: 0.02%

Run 2: Report of TCP Vegas — Data Link



Run 3: Statistics of TCP Vegas

Start at: 2019-10-03 03:26:51

End at: 2019-10-03 03:27:21

Local clock offset: 0.208 ms

Remote clock offset: 8.698 ms

Below is generated by plot.py at 2019-10-03 06:53:42

Datalink statistics

-- Total of 3 flows:

Average throughput: 95.03 Mbit/s

95th percentile per-packet one-way delay: 46.636 ms

Loss rate: 0.27%

-- Flow 1:

Average throughput: 79.67 Mbit/s

95th percentile per-packet one-way delay: 46.155 ms

Loss rate: 0.32%

-- Flow 2:

Average throughput: 12.99 Mbit/s

95th percentile per-packet one-way delay: 48.319 ms

Loss rate: 0.00%

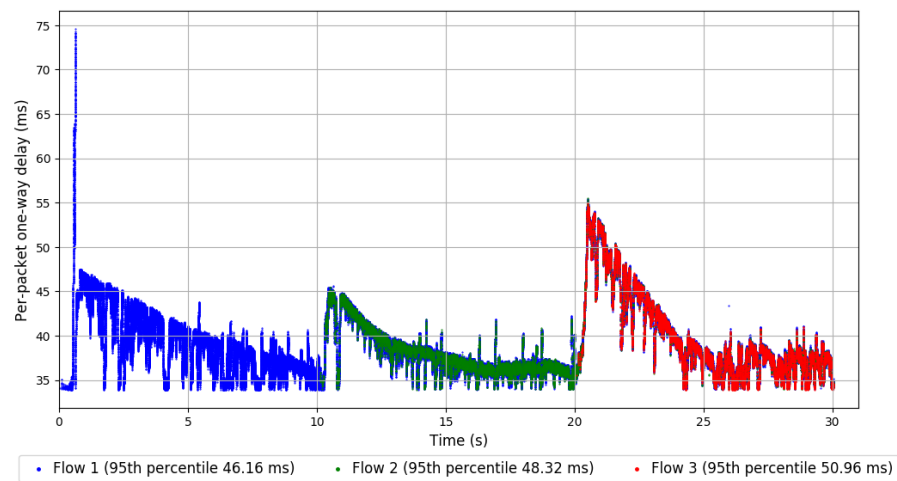
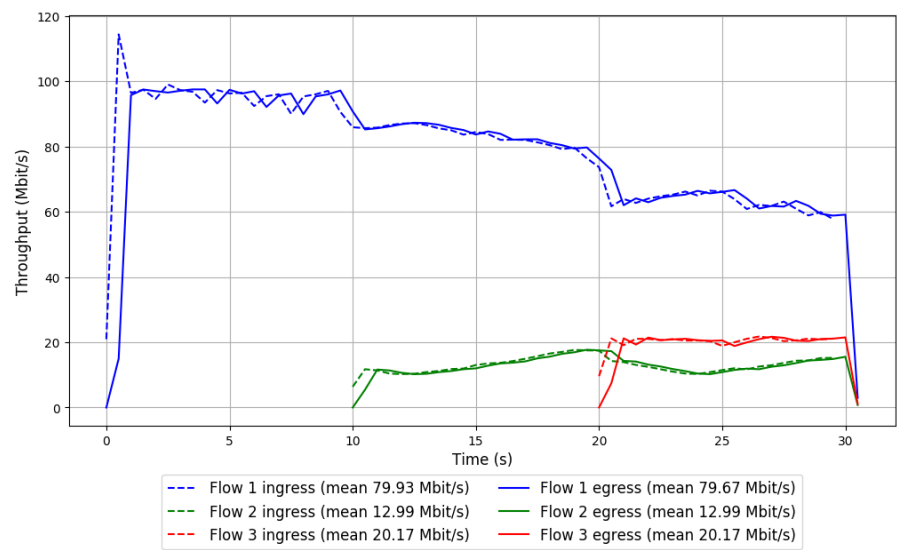
-- Flow 3:

Average throughput: 20.17 Mbit/s

95th percentile per-packet one-way delay: 50.958 ms

Loss rate: 0.01%

Run 3: Report of TCP Vegas — Data Link



Run 4: Statistics of TCP Vegas

Start at: 2019-10-03 04:55:14

End at: 2019-10-03 04:55:44

Local clock offset: 0.136 ms

Remote clock offset: 7.26 ms

Below is generated by plot.py at 2019-10-03 06:53:46

Datalink statistics

-- Total of 3 flows:

Average throughput: 90.99 Mbit/s

95th percentile per-packet one-way delay: 44.626 ms

Loss rate: 0.29%

-- Flow 1:

Average throughput: 76.68 Mbit/s

95th percentile per-packet one-way delay: 44.841 ms

Loss rate: 0.34%

-- Flow 2:

Average throughput: 14.10 Mbit/s

95th percentile per-packet one-way delay: 42.463 ms

Loss rate: 0.01%

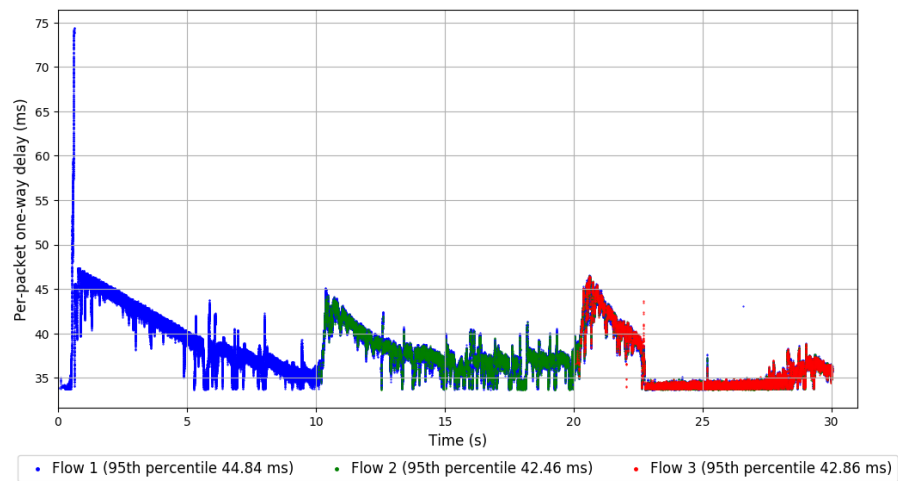
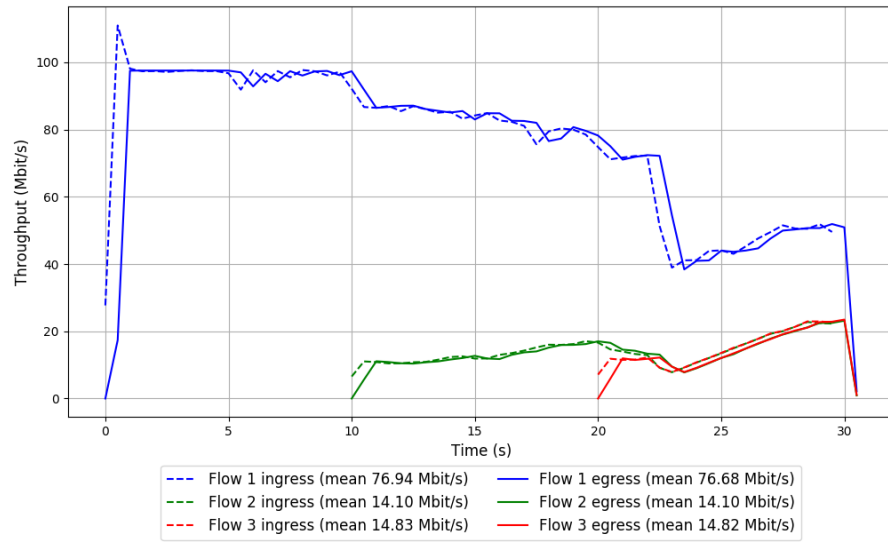
-- Flow 3:

Average throughput: 14.82 Mbit/s

95th percentile per-packet one-way delay: 42.861 ms

Loss rate: 0.02%

Run 4: Report of TCP Vegas — Data Link



Run 5: Statistics of TCP Vegas

Start at: 2019-10-03 06:06:25

End at: 2019-10-03 06:06:55

Local clock offset: 0.082 ms

Remote clock offset: 7.69 ms

Below is generated by plot.py at 2019-10-03 06:53:50

Datalink statistics

-- Total of 3 flows:

Average throughput: 96.00 Mbit/s

95th percentile per-packet one-way delay: 44.336 ms

Loss rate: 0.27%

-- Flow 1:

Average throughput: 80.87 Mbit/s

95th percentile per-packet one-way delay: 44.559 ms

Loss rate: 0.32%

-- Flow 2:

Average throughput: 15.81 Mbit/s

95th percentile per-packet one-way delay: 42.563 ms

Loss rate: 0.00%

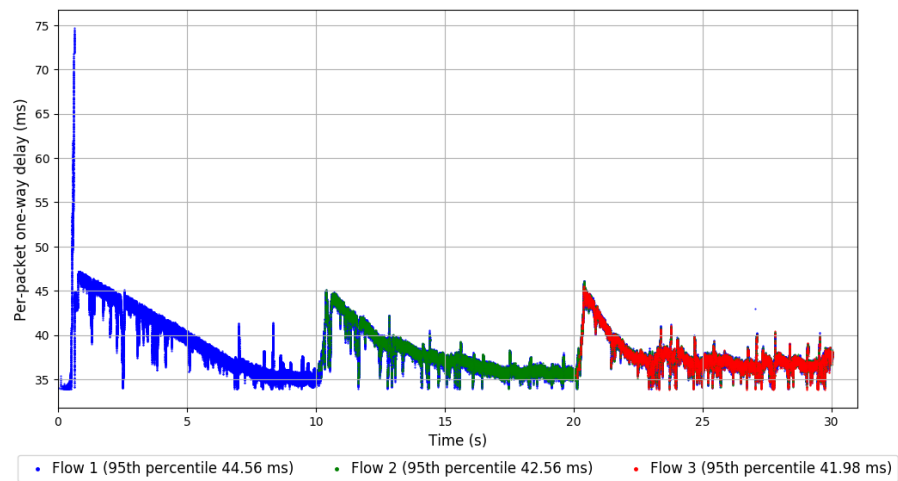
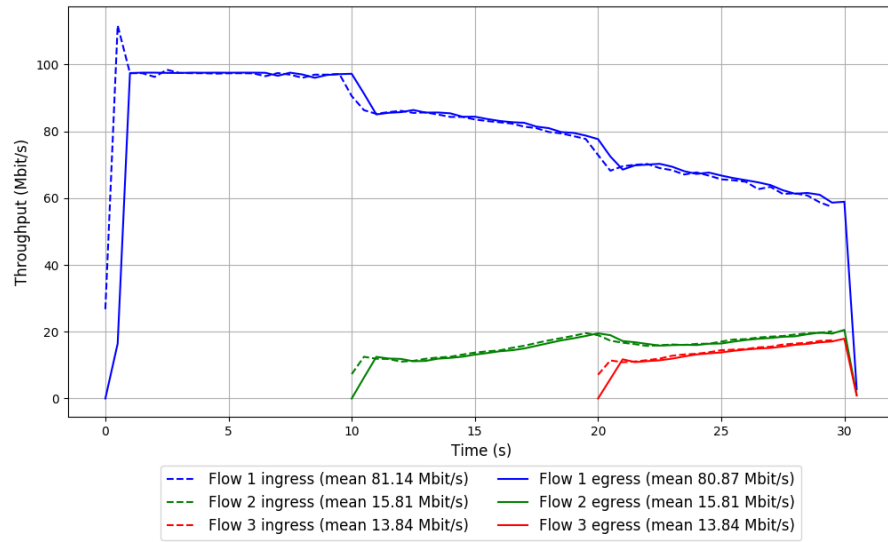
-- Flow 3:

Average throughput: 13.84 Mbit/s

95th percentile per-packet one-way delay: 41.976 ms

Loss rate: 0.00%

Run 5: Report of TCP Vegas — Data Link



Run 1: Statistics of Verus

Start at: 2019-10-02 23:56:50

End at: 2019-10-02 23:57:20

Local clock offset: -0.325 ms

Remote clock offset: 7.41 ms

Below is generated by plot.py at 2019-10-03 06:53:50

Datalink statistics

-- Total of 3 flows:

Average throughput: 66.89 Mbit/s

95th percentile per-packet one-way delay: 70.350 ms

Loss rate: 42.38%

-- Flow 1:

Average throughput: 29.40 Mbit/s

95th percentile per-packet one-way delay: 70.210 ms

Loss rate: 36.56%

-- Flow 2:

Average throughput: 47.65 Mbit/s

95th percentile per-packet one-way delay: 70.763 ms

Loss rate: 48.83%

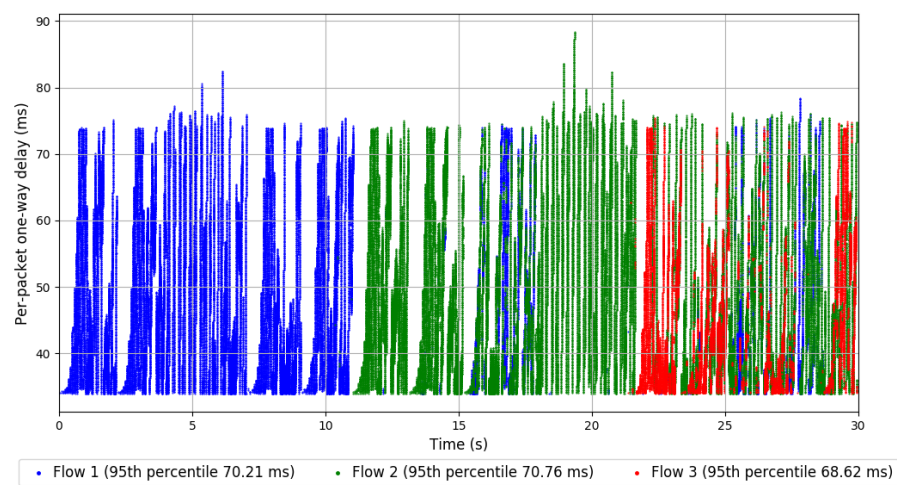
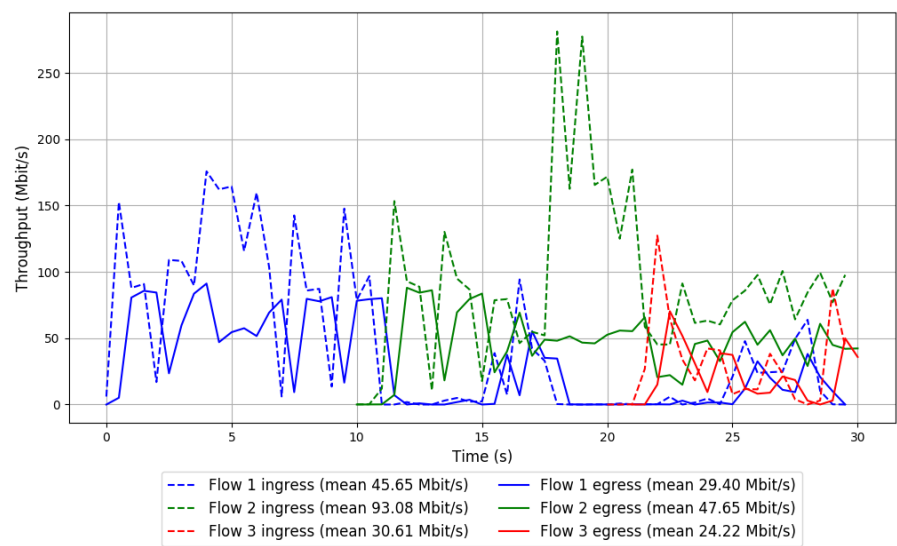
-- Flow 3:

Average throughput: 24.22 Mbit/s

95th percentile per-packet one-way delay: 68.619 ms

Loss rate: 29.15%

Run 1: Report of Verus — Data Link



Run 2: Statistics of Verus

Start at: 2019-10-03 01:52:38

End at: 2019-10-03 01:53:08

Local clock offset: -1.071 ms

Remote clock offset: 8.294 ms

Below is generated by plot.py at 2019-10-03 06:53:50

Datalink statistics

-- Total of 3 flows:

Average throughput: 69.19 Mbit/s

95th percentile per-packet one-way delay: 69.754 ms

Loss rate: 32.86%

-- Flow 1:

Average throughput: 41.20 Mbit/s

95th percentile per-packet one-way delay: 70.105 ms

Loss rate: 37.47%

-- Flow 2:

Average throughput: 20.28 Mbit/s

95th percentile per-packet one-way delay: 69.037 ms

Loss rate: 26.60%

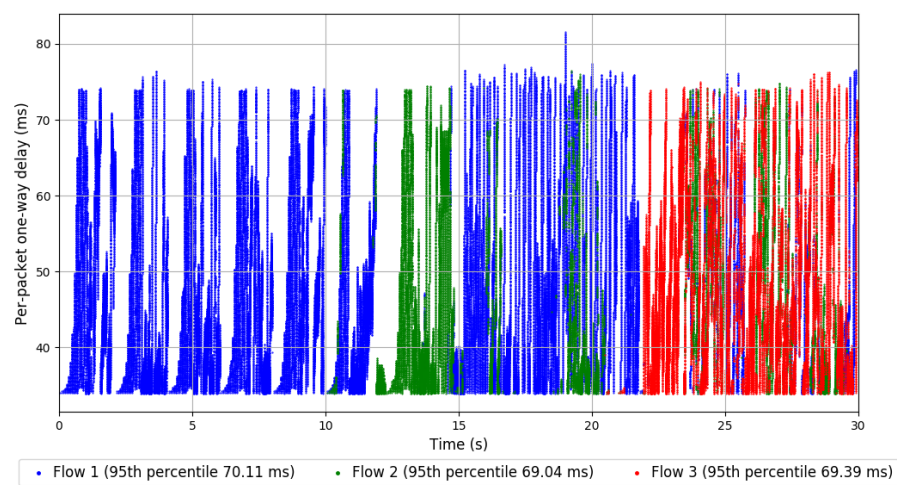
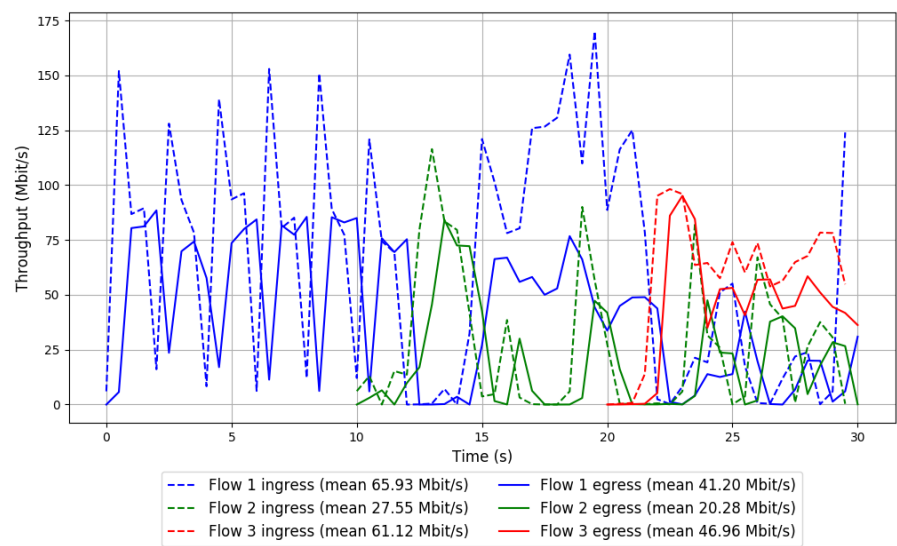
-- Flow 3:

Average throughput: 46.96 Mbit/s

95th percentile per-packet one-way delay: 69.392 ms

Loss rate: 22.96%

Run 2: Report of Verus — Data Link

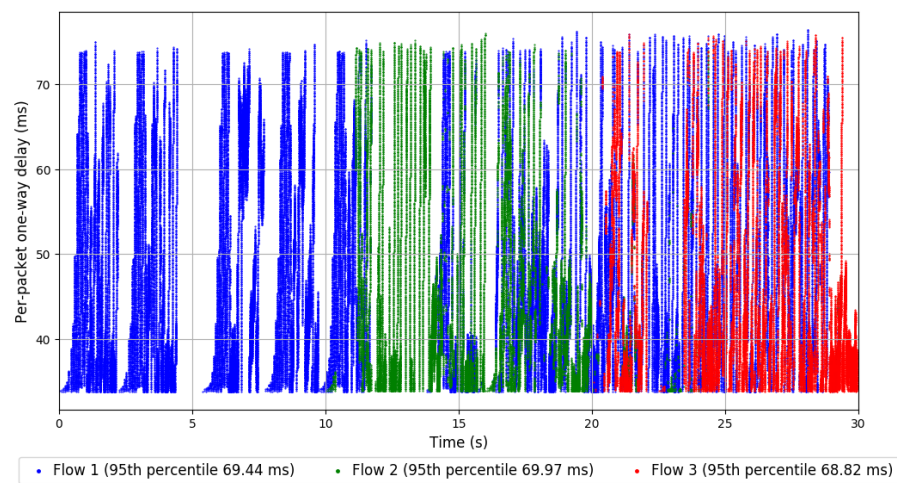
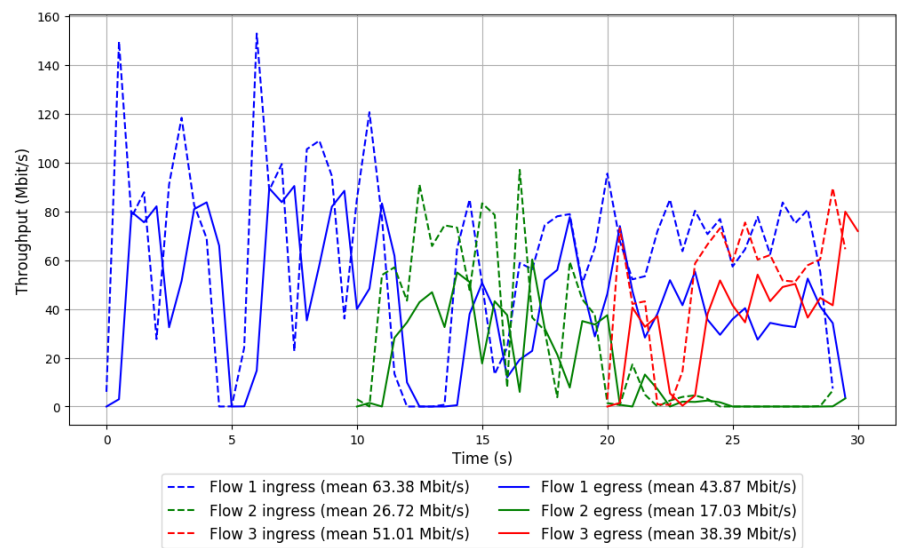


Run 3: Statistics of Verus

Start at: 2019-10-03 04:19:11
End at: 2019-10-03 04:19:41
Local clock offset: 0.158 ms
Remote clock offset: 7.262 ms

Below is generated by plot.py at 2019-10-03 06:53:50
Datalink statistics
-- Total of 3 flows:
Average throughput: 66.60 Mbit/s
95th percentile per-packet one-way delay: 69.435 ms
Loss rate: 30.85%
-- Flow 1:
Average throughput: 43.87 Mbit/s
95th percentile per-packet one-way delay: 69.442 ms
Loss rate: 30.94%
-- Flow 2:
Average throughput: 17.03 Mbit/s
95th percentile per-packet one-way delay: 69.973 ms
Loss rate: 36.49%
-- Flow 3:
Average throughput: 38.39 Mbit/s
95th percentile per-packet one-way delay: 68.819 ms
Loss rate: 24.72%

Run 3: Report of Verus — Data Link



Run 4: Statistics of Verus

Start at: 2019-10-03 05:32:52

End at: 2019-10-03 05:33:22

Local clock offset: 0.165 ms

Remote clock offset: 7.565 ms

Below is generated by plot.py at 2019-10-03 06:54:38

Datalink statistics

-- Total of 3 flows:

Average throughput: 54.77 Mbit/s

95th percentile per-packet one-way delay: 98.184 ms

Loss rate: 74.49%

-- Flow 1:

Average throughput: 44.98 Mbit/s

95th percentile per-packet one-way delay: 101.030 ms

Loss rate: 77.12%

-- Flow 2:

Average throughput: 15.18 Mbit/s

95th percentile per-packet one-way delay: 70.718 ms

Loss rate: 45.94%

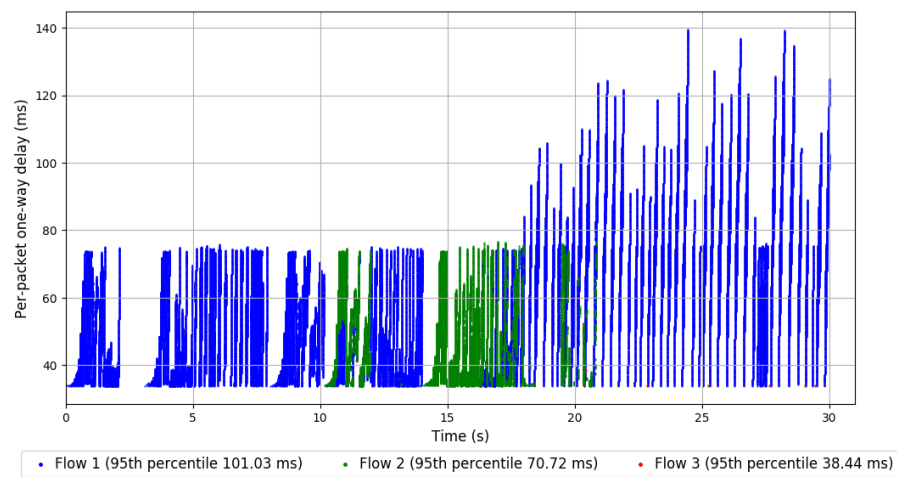
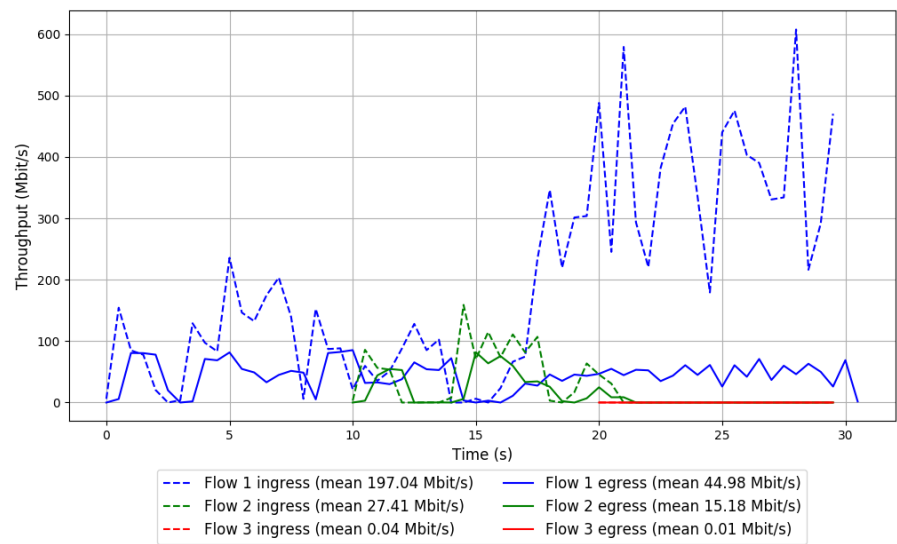
-- Flow 3:

Average throughput: 0.01 Mbit/s

95th percentile per-packet one-way delay: 38.437 ms

Loss rate: 73.33%

Run 4: Report of Verus — Data Link



Run 5: Statistics of Verus

Start at: 2019-10-03 06:38:00

End at: 2019-10-03 06:38:30

Local clock offset: 0.102 ms

Remote clock offset: 8.142 ms

Below is generated by plot.py at 2019-10-03 06:54:38

Datalink statistics

-- Total of 3 flows:

Average throughput: 64.36 Mbit/s

95th percentile per-packet one-way delay: 71.460 ms

Loss rate: 56.00%

-- Flow 1:

Average throughput: 46.78 Mbit/s

95th percentile per-packet one-way delay: 72.069 ms

Loss rate: 60.88%

-- Flow 2:

Average throughput: 20.42 Mbit/s

95th percentile per-packet one-way delay: 69.185 ms

Loss rate: 36.05%

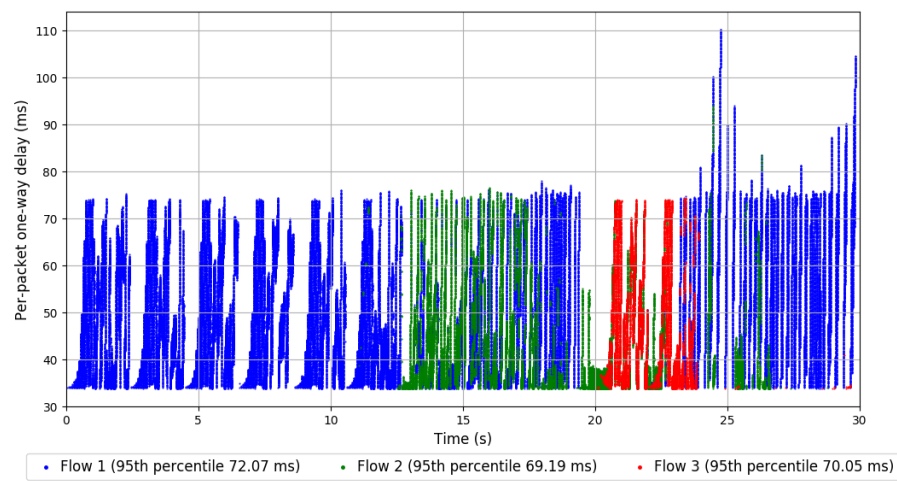
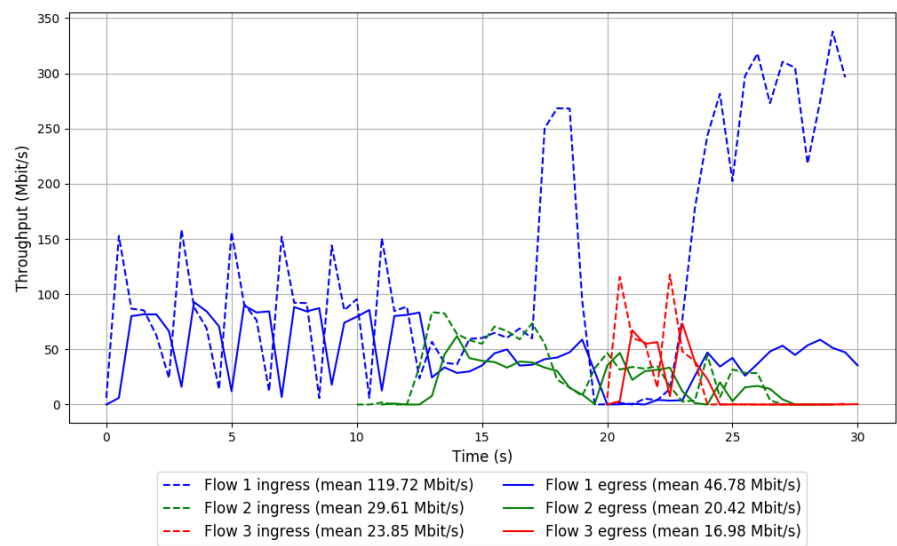
-- Flow 3:

Average throughput: 16.98 Mbit/s

95th percentile per-packet one-way delay: 70.050 ms

Loss rate: 29.29%

Run 5: Report of Verus — Data Link



Run 1: Statistics of PCC-Vivace

Start at: 2019-10-02 23:30:08

End at: 2019-10-02 23:30:38

Local clock offset: -0.342 ms

Remote clock offset: 7.313 ms

Below is generated by plot.py at 2019-10-03 06:54:38

Datalink statistics

-- Total of 3 flows:

Average throughput: 67.91 Mbit/s

95th percentile per-packet one-way delay: 48.440 ms

Loss rate: 0.19%

-- Flow 1:

Average throughput: 49.98 Mbit/s

95th percentile per-packet one-way delay: 44.025 ms

Loss rate: 0.13%

-- Flow 2:

Average throughput: 16.91 Mbit/s

95th percentile per-packet one-way delay: 50.480 ms

Loss rate: 0.28%

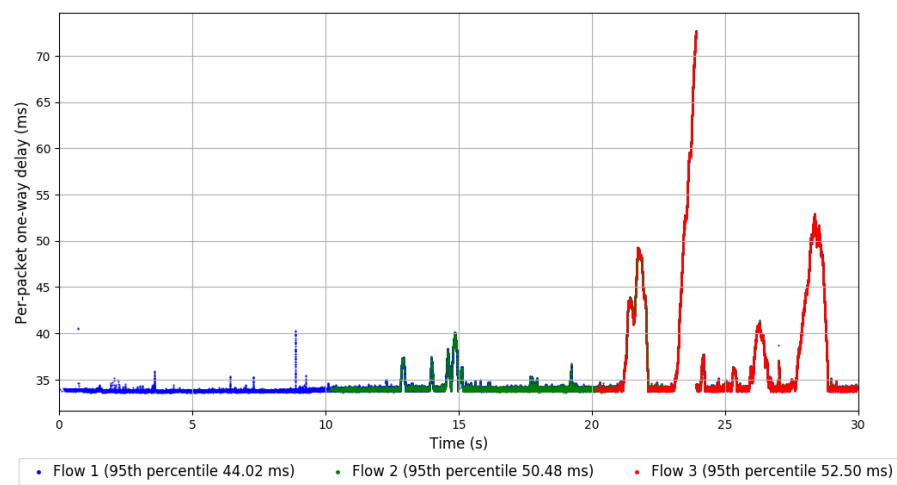
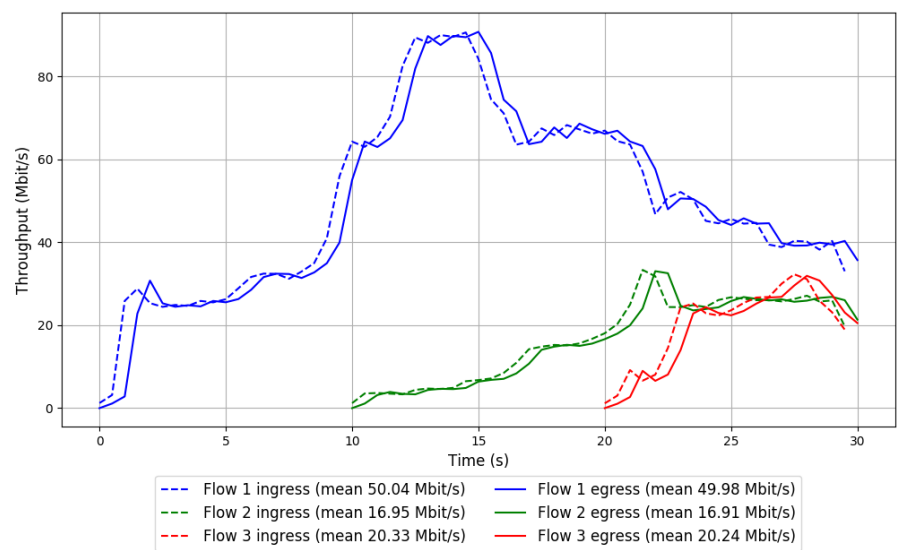
-- Flow 3:

Average throughput: 20.24 Mbit/s

95th percentile per-packet one-way delay: 52.500 ms

Loss rate: 0.46%

Run 1: Report of PCC-Vivace — Data Link



Run 2: Statistics of PCC-Vivace

Start at: 2019-10-03 00:58:44

End at: 2019-10-03 00:59:14

Local clock offset: -0.472 ms

Remote clock offset: 7.749 ms

Below is generated by plot.py at 2019-10-03 06:54:38

Datalink statistics

-- Total of 3 flows:

Average throughput: 65.88 Mbit/s

95th percentile per-packet one-way delay: 44.370 ms

Loss rate: 0.20%

-- Flow 1:

Average throughput: 59.43 Mbit/s

95th percentile per-packet one-way delay: 45.052 ms

Loss rate: 0.21%

-- Flow 2:

Average throughput: 7.64 Mbit/s

95th percentile per-packet one-way delay: 42.696 ms

Loss rate: 0.12%

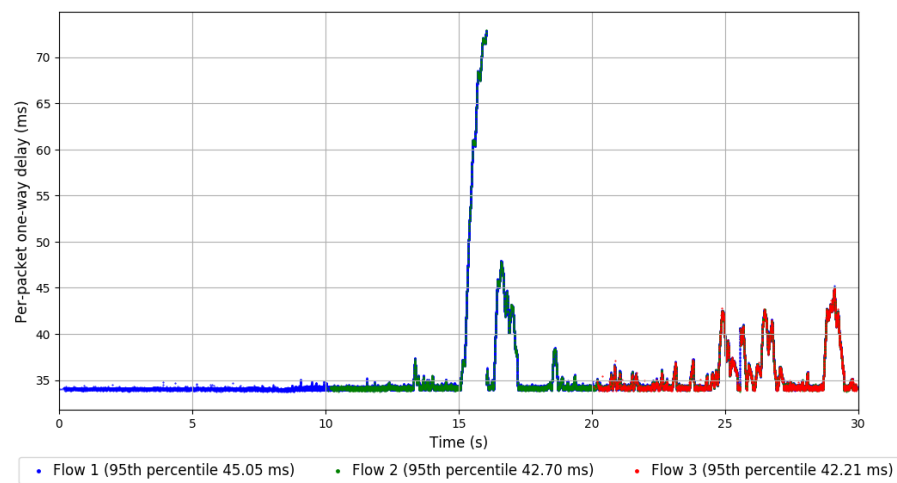
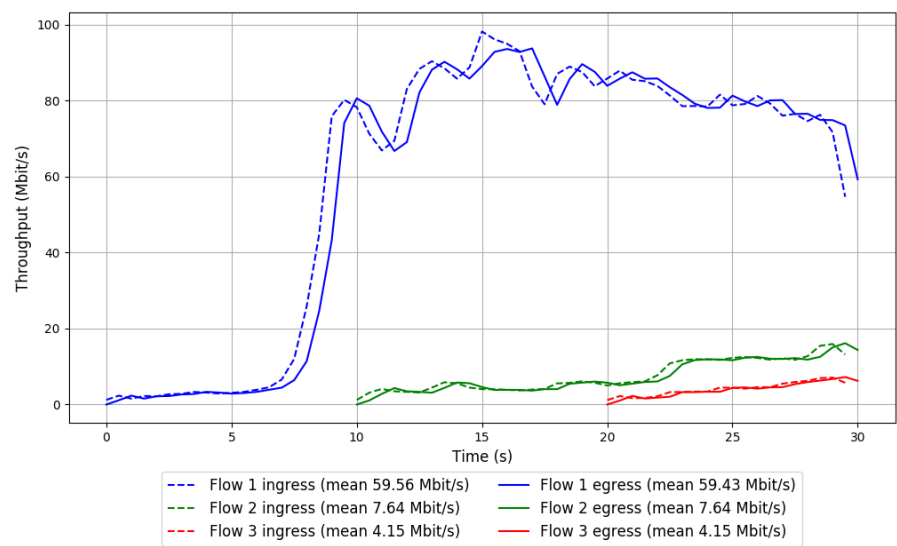
-- Flow 3:

Average throughput: 4.15 Mbit/s

95th percentile per-packet one-way delay: 42.209 ms

Loss rate: 0.00%

Run 2: Report of PCC-Vivace — Data Link



Run 3: Statistics of PCC-Vivace

Start at: 2019-10-03 03:40:27

End at: 2019-10-03 03:40:57

Local clock offset: 0.13 ms

Remote clock offset: 7.287 ms

Below is generated by plot.py at 2019-10-03 06:54:38

Datalink statistics

-- Total of 3 flows:

Average throughput: 49.31 Mbit/s

95th percentile per-packet one-way delay: 42.441 ms

Loss rate: 0.03%

-- Flow 1:

Average throughput: 27.67 Mbit/s

95th percentile per-packet one-way delay: 41.499 ms

Loss rate: 0.03%

-- Flow 2:

Average throughput: 28.22 Mbit/s

95th percentile per-packet one-way delay: 43.113 ms

Loss rate: 0.02%

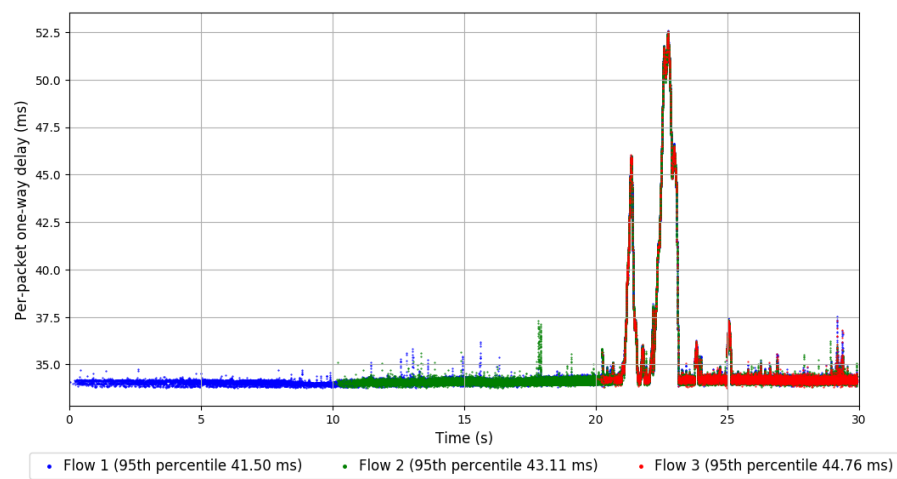
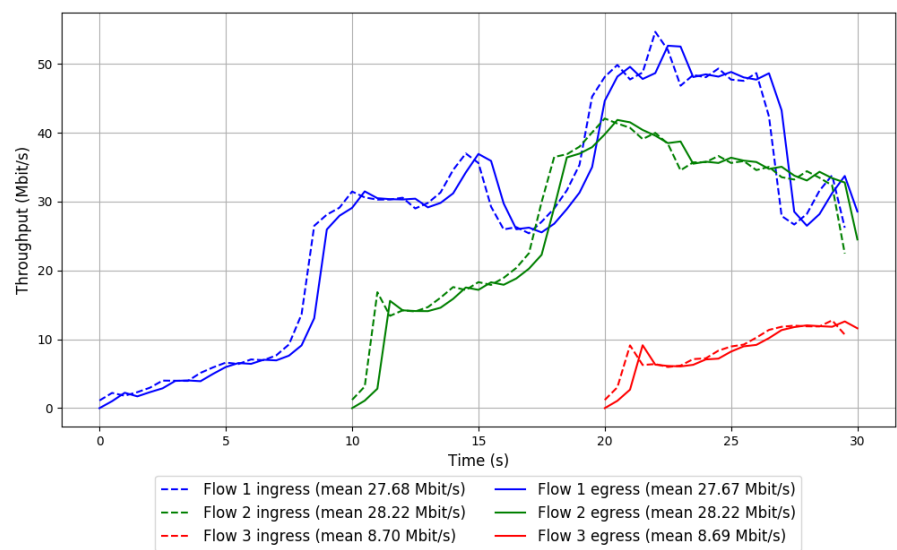
-- Flow 3:

Average throughput: 8.69 Mbit/s

95th percentile per-packet one-way delay: 44.755 ms

Loss rate: 0.04%

Run 3: Report of PCC-Vivace — Data Link



Run 4: Statistics of PCC-Vivace

Start at: 2019-10-03 05:02:29

End at: 2019-10-03 05:02:59

Local clock offset: 0.136 ms

Remote clock offset: 7.467 ms

Below is generated by plot.py at 2019-10-03 06:54:38

Datalink statistics

-- Total of 3 flows:

Average throughput: 76.96 Mbit/s

95th percentile per-packet one-way delay: 56.179 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 56.23 Mbit/s

95th percentile per-packet one-way delay: 54.151 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 28.83 Mbit/s

95th percentile per-packet one-way delay: 59.954 ms

Loss rate: 0.00%

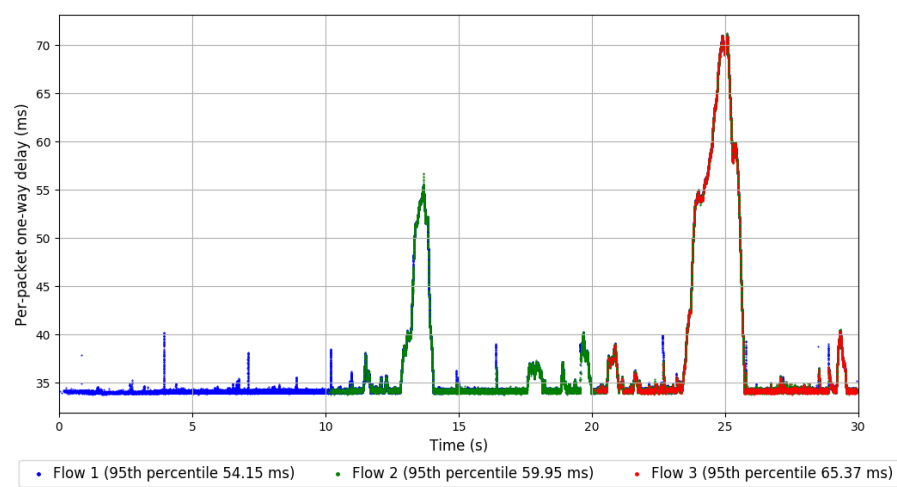
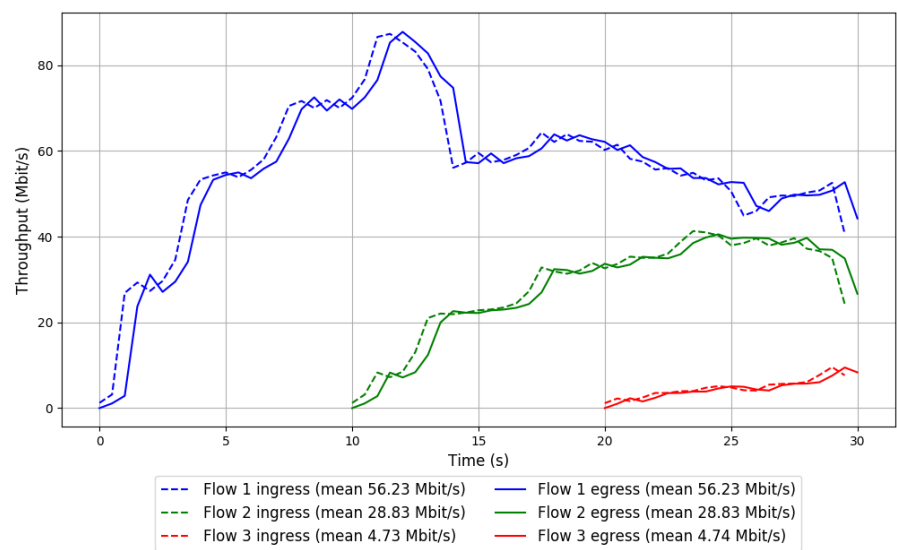
-- Flow 3:

Average throughput: 4.74 Mbit/s

95th percentile per-packet one-way delay: 65.367 ms

Loss rate: 0.00%

Run 4: Report of PCC-Vivace — Data Link



Run 5: Statistics of PCC-Vivace

Start at: 2019-10-03 06:13:34

End at: 2019-10-03 06:14:04

Local clock offset: 0.108 ms

Remote clock offset: 7.753 ms

Below is generated by plot.py at 2019-10-03 06:54:38

Datalink statistics

-- Total of 3 flows:

Average throughput: 82.99 Mbit/s

95th percentile per-packet one-way delay: 40.227 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 67.49 Mbit/s

95th percentile per-packet one-way delay: 40.187 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 17.46 Mbit/s

95th percentile per-packet one-way delay: 40.303 ms

Loss rate: 0.00%

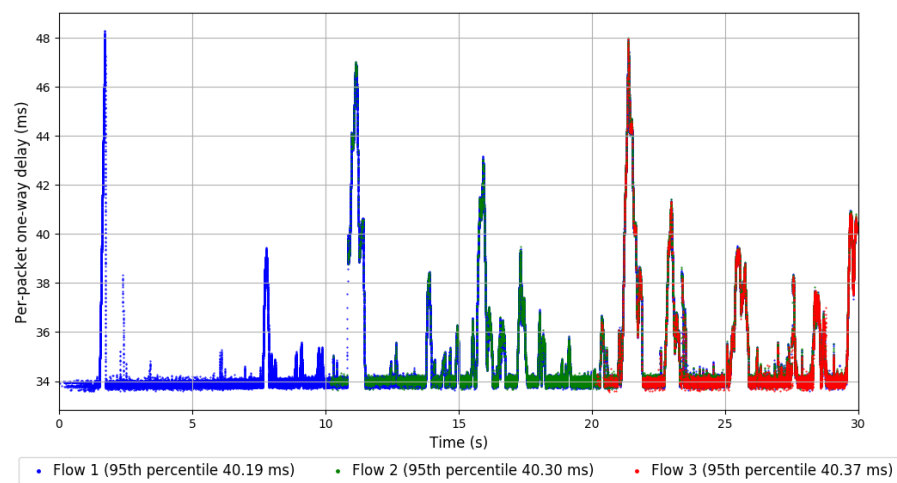
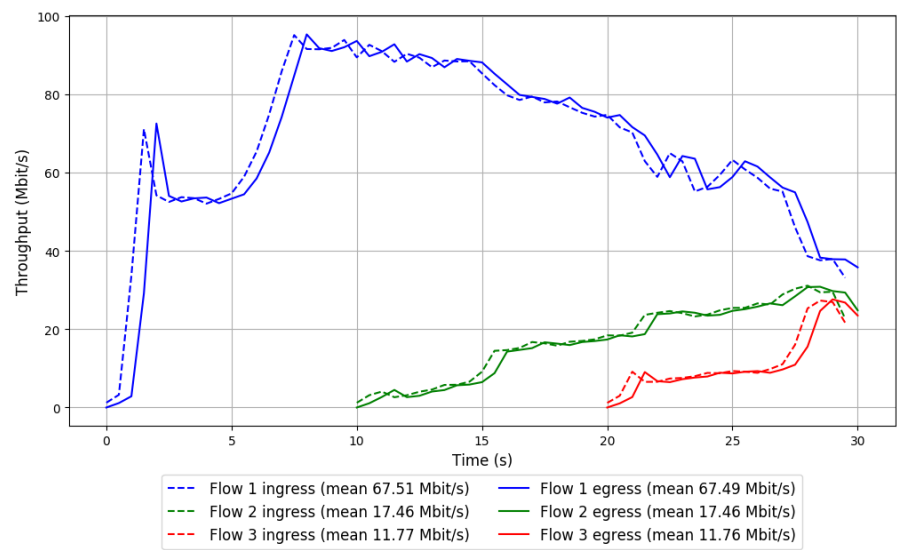
-- Flow 3:

Average throughput: 11.76 Mbit/s

95th percentile per-packet one-way delay: 40.374 ms

Loss rate: 0.00%

Run 5: Report of PCC-Vivace — Data Link



Run 1: Statistics of WebRTC media

Start at: 2019-10-02 22:56:55

End at: 2019-10-02 22:57:25

Local clock offset: -0.333 ms

Remote clock offset: 7.125 ms

Below is generated by plot.py at 2019-10-03 06:54:38

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.14 Mbit/s

95th percentile per-packet one-way delay: 34.610 ms

Loss rate: 0.02%

-- Flow 1:

Average throughput: 0.05 Mbit/s

95th percentile per-packet one-way delay: 34.595 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 0.05 Mbit/s

95th percentile per-packet one-way delay: 34.599 ms

Loss rate: 0.05%

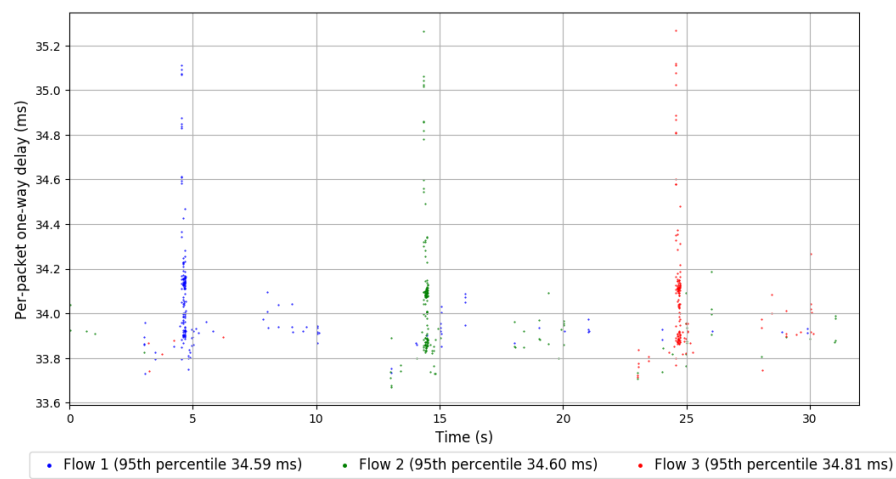
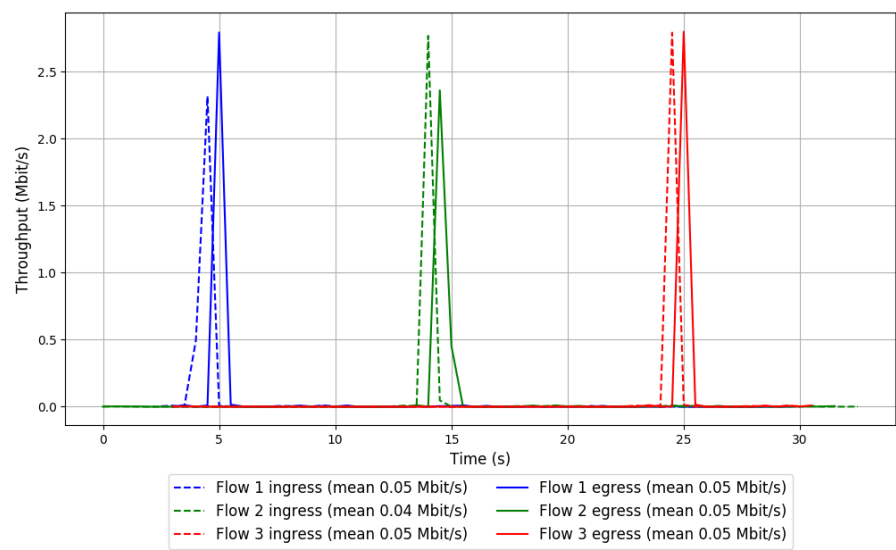
-- Flow 3:

Average throughput: 0.05 Mbit/s

95th percentile per-packet one-way delay: 34.806 ms

Loss rate: 0.00%

Run 1: Report of WebRTC media — Data Link



Run 2: Statistics of WebRTC media

Start at: 2019-10-03 00:23:11

End at: 2019-10-03 00:23:41

Local clock offset: -0.54 ms

Remote clock offset: 7.236 ms

Below is generated by plot.py at 2019-10-03 06:54:38

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.15 Mbit/s

95th percentile per-packet one-way delay: 34.921 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 0.05 Mbit/s

95th percentile per-packet one-way delay: 34.953 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 0.05 Mbit/s

95th percentile per-packet one-way delay: 34.833 ms

Loss rate: 0.00%

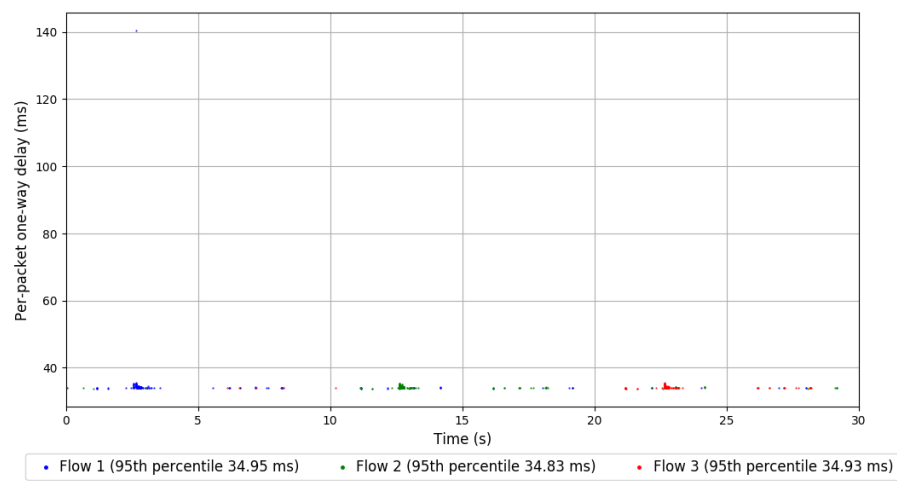
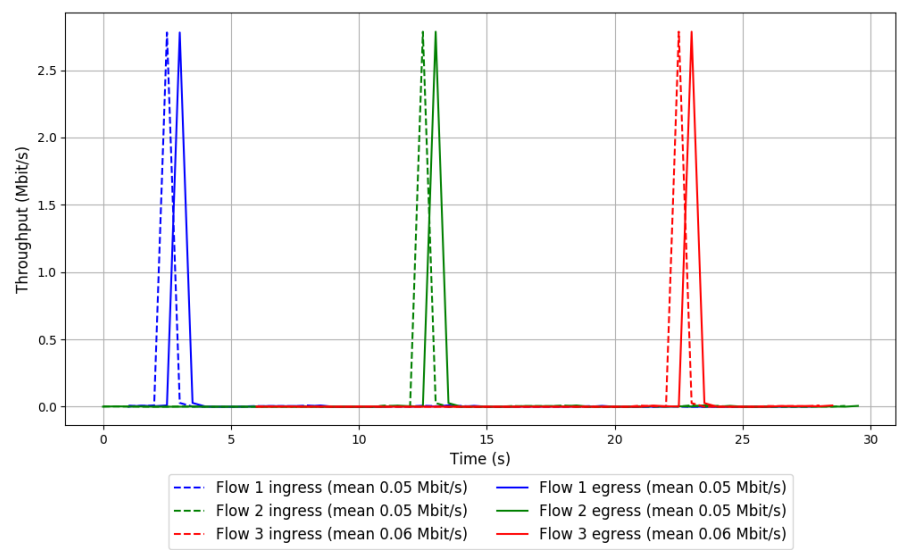
-- Flow 3:

Average throughput: 0.06 Mbit/s

95th percentile per-packet one-way delay: 34.927 ms

Loss rate: 0.00%

Run 2: Report of WebRTC media — Data Link



Run 3: Statistics of WebRTC media

Start at: 2019-10-03 02:38:01

End at: 2019-10-03 02:38:31

Local clock offset: 2.449 ms

Remote clock offset: 9.803 ms

Below is generated by plot.py at 2019-10-03 06:54:38

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.14 Mbit/s

95th percentile per-packet one-way delay: 34.894 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 0.05 Mbit/s

95th percentile per-packet one-way delay: 34.667 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 0.06 Mbit/s

95th percentile per-packet one-way delay: 34.981 ms

Loss rate: 0.00%

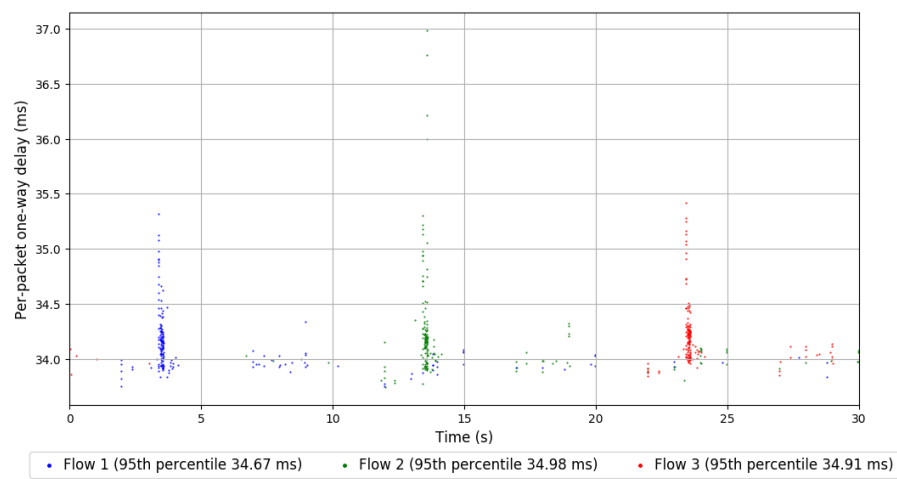
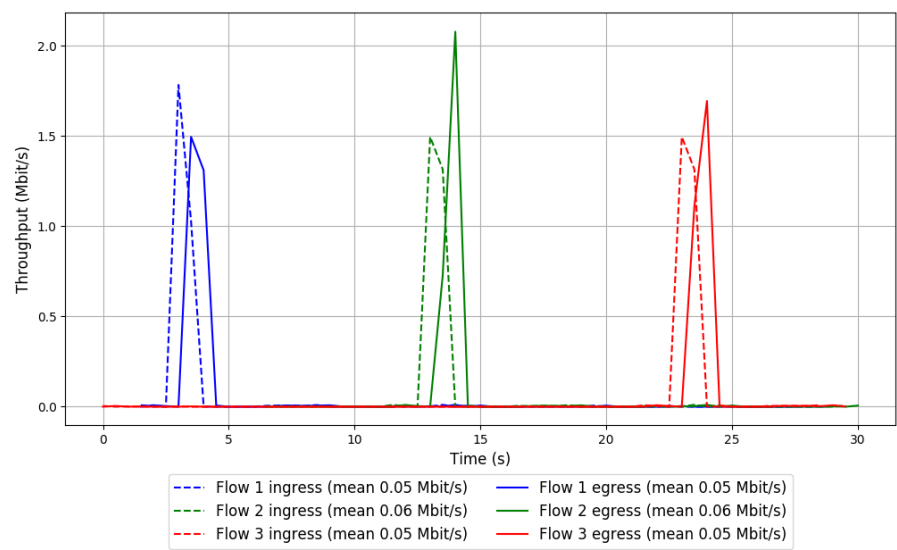
-- Flow 3:

Average throughput: 0.05 Mbit/s

95th percentile per-packet one-way delay: 34.913 ms

Loss rate: 0.00%

Run 3: Report of WebRTC media — Data Link



Run 4: Statistics of WebRTC media

Start at: 2019-10-03 04:39:38

End at: 2019-10-03 04:40:08

Local clock offset: 0.124 ms

Remote clock offset: 7.303 ms

Below is generated by plot.py at 2019-10-03 06:54:38

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.15 Mbit/s

95th percentile per-packet one-way delay: 34.573 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 0.05 Mbit/s

95th percentile per-packet one-way delay: 34.489 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 0.06 Mbit/s

95th percentile per-packet one-way delay: 34.590 ms

Loss rate: 0.00%

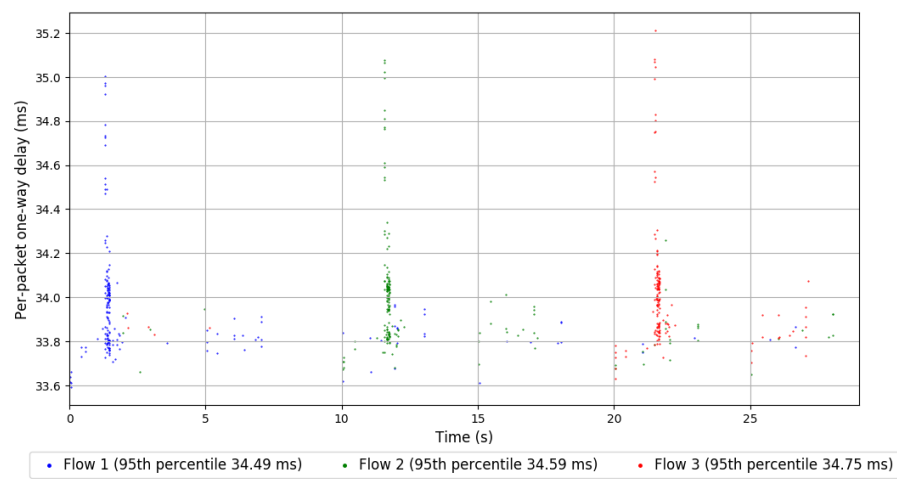
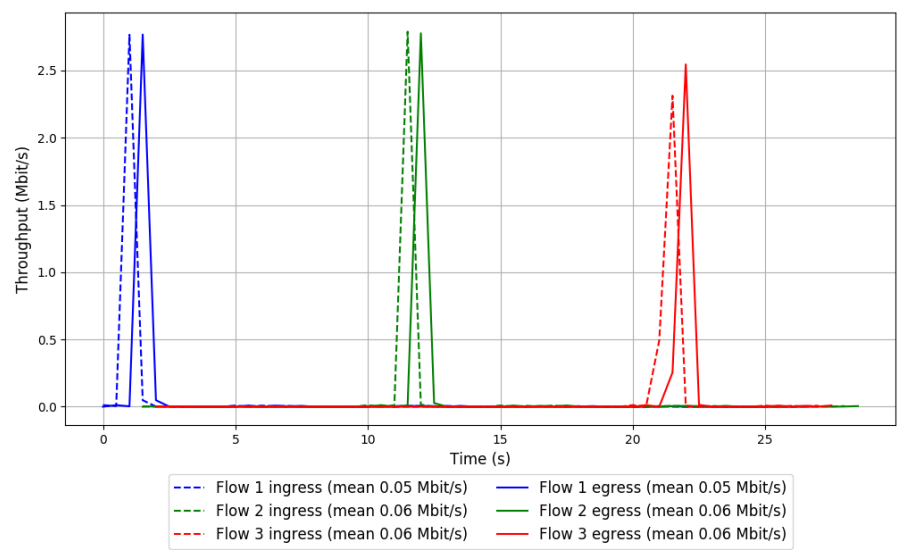
-- Flow 3:

Average throughput: 0.06 Mbit/s

95th percentile per-packet one-way delay: 34.750 ms

Loss rate: 0.00%

Run 4: Report of WebRTC media — Data Link



Run 5: Statistics of WebRTC media

Start at: 2019-10-03 05:50:50

End at: 2019-10-03 05:51:20

Local clock offset: 0.196 ms

Remote clock offset: 7.645 ms

Below is generated by plot.py at 2019-10-03 06:54:38

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.15 Mbit/s

95th percentile per-packet one-way delay: 34.699 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 0.05 Mbit/s

95th percentile per-packet one-way delay: 34.526 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 0.06 Mbit/s

95th percentile per-packet one-way delay: 34.711 ms

Loss rate: 0.00%

-- Flow 3:

Average throughput: 0.06 Mbit/s

95th percentile per-packet one-way delay: 34.653 ms

Loss rate: 0.00%

Run 5: Report of WebRTC media — Data Link

