

## Pantheon Report

Generated at 2019-08-27 15:00:31 (UTC).

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

Repeated the test of 24 congestion control schemes 5 times.

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

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

### System info:

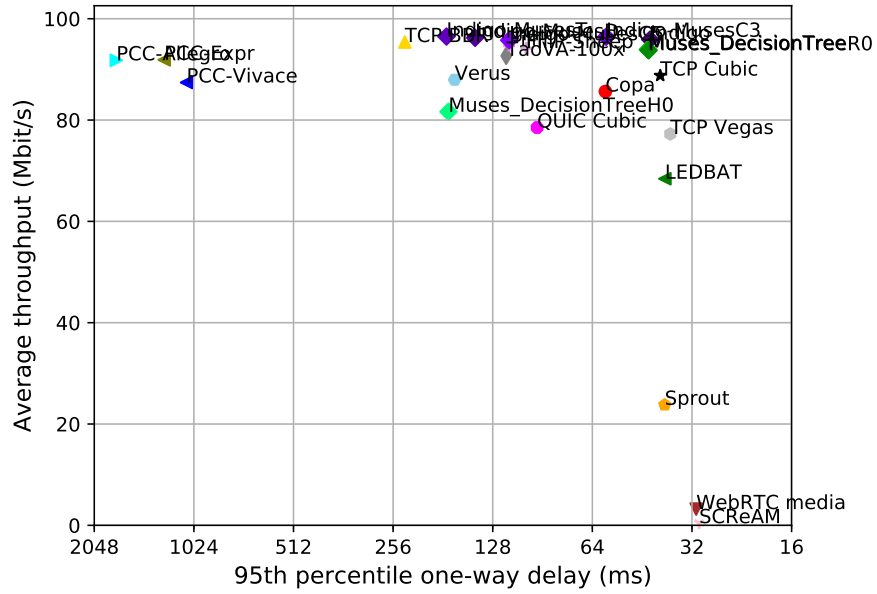
```
Linux 4.15.0-1043-aws
net.core.default_qdisc = fq
net.core.rmem_default = 16777216
net.core.rmem_max = 536870912
net.core.wmem_default = 16777216
net.core.wmem_max = 536870912
net.ipv4.tcp_rmem = 4096 16777216 536870912
net.ipv4.tcp_wmem = 4096 16777216 536870912
```

### Git summary:

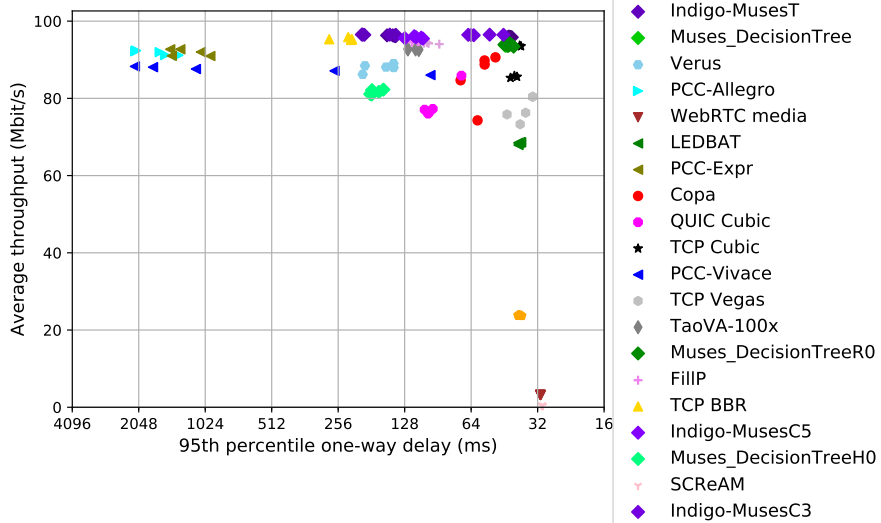
```
branch: muses @ de42328552b3776a75a932a94dfafd722537b0ec
third_party/fillp @ d6da1459332fcee56963885d7eba17e6a32d4519
third_party/fillp-sheep @ 0e5bb722943babcd2b090d2c64fcd45e12e923f9
third_party/genericCC @ d0153f8e594aa89e93b032143cedbdf58e562f4
third_party/indigo @ 2601c92e4aa9d58d38dc4dfe0ecdbf90c077e64d
third_party/libutp @ b3465b942e2826f2b179eaab4a906ce6bb7cf3cf
third_party/muses @ 5ce721187ad823da20955337730c746486ca4966
third_party/muses_dtree @ 387225f7b5f61ddb92d708a8869ffbb84eb3200
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 Mexico to AWS California 2, 5 runs of 30s each per scheme  
 3 flows with 10s interval between flows (mean of all runs by scheme)



test from Mexico to AWS California 2, 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	57.17	38.27	38.53	201.99	208.74	404.97	1.58	2.03	2.84
Copa	5	52.03	35.15	30.80	73.98	45.06	51.45	0.14	0.31	0.71
TCP Cubic	5	50.40	40.52	34.43	42.07	38.54	47.60	0.14	0.28	0.76
FillP	5	57.29	40.62	31.26	91.90	129.89	98.39	0.42	3.32	2.02
FillP-Sheep	5	55.75	44.24	27.26	106.36	72.40	135.94	0.23	0.44	1.53
Indigo	5	59.06	39.98	31.46	43.40	42.82	41.30	0.18	0.34	0.75
Indigo-MusesC3	5	60.41	40.55	33.87	53.46	61.64	57.83	0.22	0.55	1.02
Indigo-MusesC5	5	58.63	43.88	30.28	107.74	108.39	103.70	1.60	3.38	6.27
Indigo-MusesD	5	61.04	38.02	36.57	145.92	94.53	88.97	5.20	3.34	3.47
Indigo-MusesT	5	60.56	42.25	29.90	140.84	178.44	243.47	2.11	5.81	7.46
LEDBAT	5	39.58	31.51	23.76	38.67	39.22	37.39	0.15	0.34	1.05
Muses_DecisionTree	5	56.02	39.39	36.56	42.56	43.91	45.50	0.17	0.30	0.80
Muses_DecisionTreeH0	5	51.98	31.81	26.58	170.95	190.59	101.27	0.60	0.63	1.53
Muses_DecisionTreeR0	5	54.15	44.14	31.97	42.56	42.67	46.70	0.13	0.32	0.69
PCC-Allegro	5	58.18	36.66	28.11	1800.08	1481.71	448.54	17.28	13.69	4.67
PCC-Expr	5	57.27	38.47	27.48	852.76	1504.47	90.13	34.79	12.58	1.29
QUIC Cubic	5	45.61	35.77	27.76	82.26	115.96	122.06	0.20	0.41	0.99
SCReAM	5	0.21	0.21	0.22	30.43	30.42	30.53	0.21	0.36	0.64
Sprout	5	12.01	11.95	11.70	38.31	38.79	39.43	0.22	0.36	0.74
TaoVA-100x	5	56.12	41.38	27.18	110.41	115.90	153.91	0.59	1.44	2.83
TCP Vegas	5	39.58	40.27	32.80	44.60	33.94	39.78	0.17	0.30	0.71
Verus	5	54.08	37.16	27.67	142.77	166.64	276.17	0.31	0.64	1.29
PCC-Vivace	5	54.24	36.98	26.14	1109.55	181.26	116.97	2.98	0.71	1.15
WebRTC media	5	1.76	1.02	0.44	31.00	31.08	31.27	0.11	0.34	0.58



Run 1: Statistics of TCP BBR

Start at: 2019-08-27 11:45:54

End at: 2019-08-27 11:46:24

Local clock offset: -0.522 ms

Remote clock offset: 5.438 ms

# Below is generated by plot.py at 2019-08-27 14:44:03

# Datalink statistics

-- Total of 3 flows:

Average throughput: 95.14 Mbit/s

95th percentile per-packet one-way delay: 223.632 ms

Loss rate: 1.77%

-- Flow 1:

Average throughput: 55.55 Mbit/s

95th percentile per-packet one-way delay: 217.902 ms

Loss rate: 1.70%

-- Flow 2:

Average throughput: 35.89 Mbit/s

95th percentile per-packet one-way delay: 211.131 ms

Loss rate: 1.74%

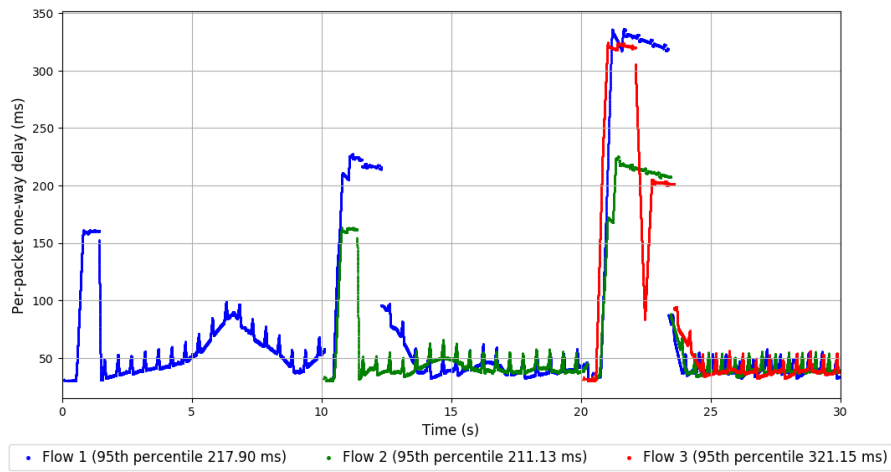
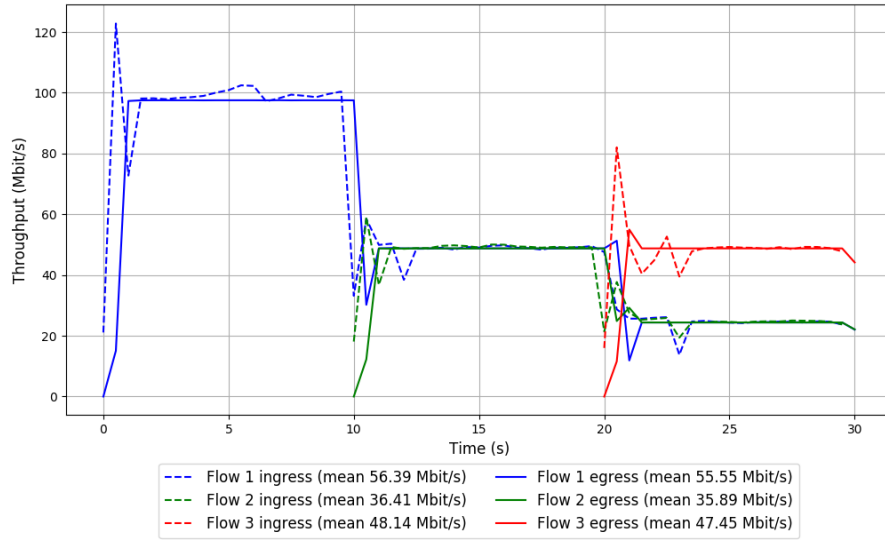
-- Flow 3:

Average throughput: 47.45 Mbit/s

95th percentile per-packet one-way delay: 321.146 ms

Loss rate: 2.07%

# Run 1: Report of TCP BBR — Data Link



Run 2: Statistics of TCP BBR

Start at: 2019-08-27 12:25:00

End at: 2019-08-27 12:25:30

Local clock offset: -0.624 ms

Remote clock offset: 5.94 ms

# Below is generated by plot.py at 2019-08-27 14:44:05

# Datalink statistics

-- Total of 3 flows:

Average throughput: 95.87 Mbit/s

95th percentile per-packet one-way delay: 230.569 ms

Loss rate: 1.76%

-- Flow 1:

Average throughput: 56.10 Mbit/s

95th percentile per-packet one-way delay: 221.600 ms

Loss rate: 1.47%

-- Flow 2:

Average throughput: 36.30 Mbit/s

95th percentile per-packet one-way delay: 354.293 ms

Loss rate: 2.48%

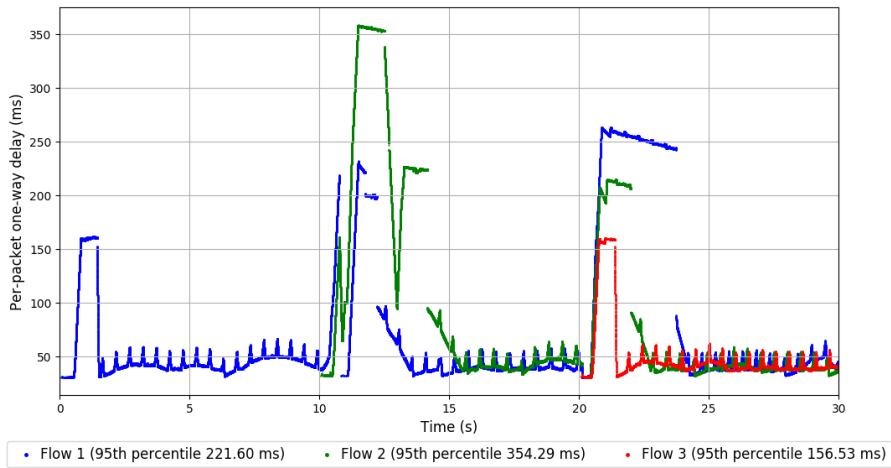
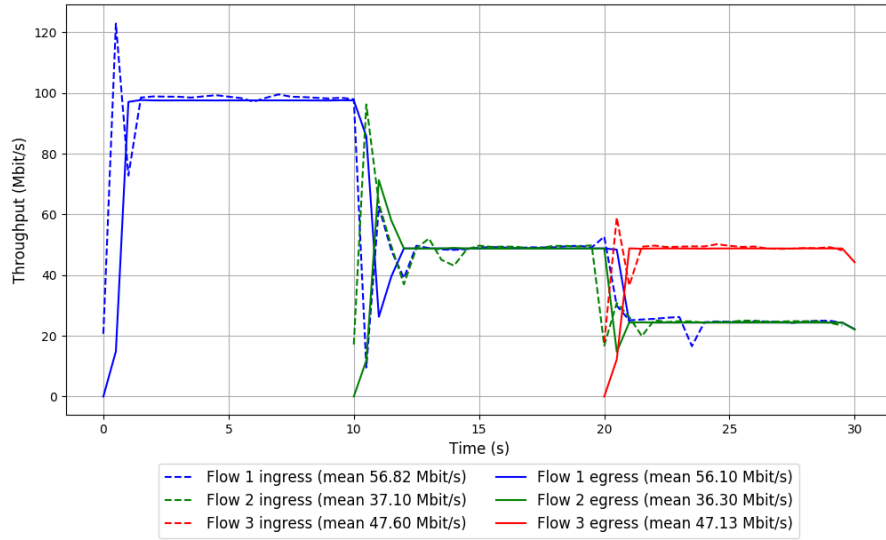
-- Flow 3:

Average throughput: 47.13 Mbit/s

95th percentile per-packet one-way delay: 156.531 ms

Loss rate: 1.64%

## Run 2: Report of TCP BBR — Data Link



Run 3: Statistics of TCP BBR

Start at: 2019-08-27 13:02:17

End at: 2019-08-27 13:02:47

Local clock offset: -0.607 ms

Remote clock offset: 3.468 ms

# Below is generated by plot.py at 2019-08-27 14:44:05

# Datalink statistics

-- Total of 3 flows:

Average throughput: 95.33 Mbit/s

95th percentile per-packet one-way delay: 222.946 ms

Loss rate: 1.84%

-- Flow 1:

Average throughput: 58.08 Mbit/s

95th percentile per-packet one-way delay: 198.704 ms

Loss rate: 1.58%

-- Flow 2:

Average throughput: 39.68 Mbit/s

95th percentile per-packet one-way delay: 159.837 ms

Loss rate: 1.99%

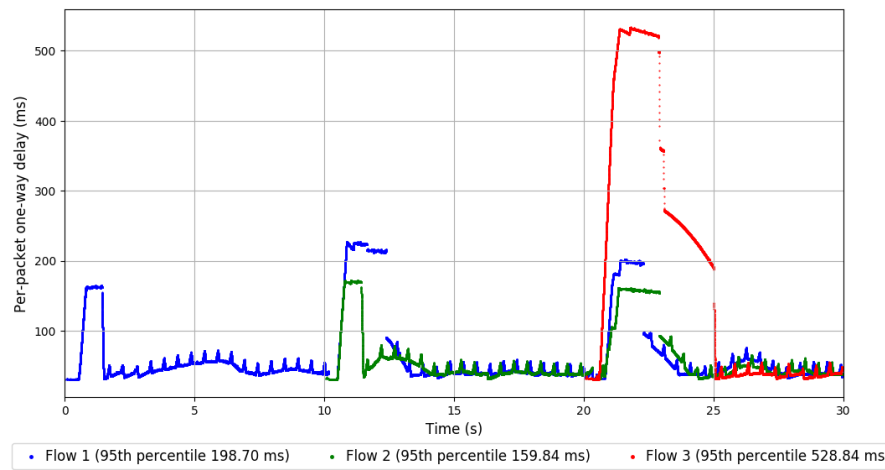
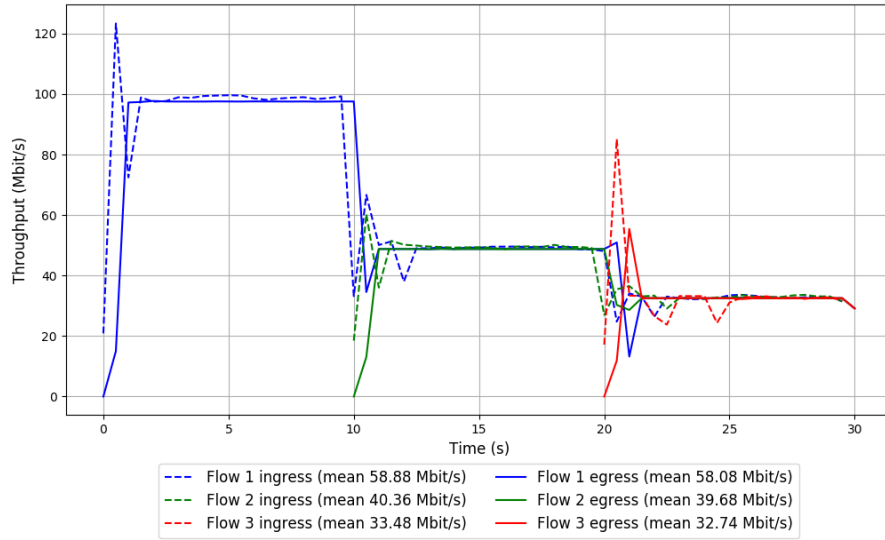
-- Flow 3:

Average throughput: 32.74 Mbit/s

95th percentile per-packet one-way delay: 528.839 ms

Loss rate: 2.84%

### Run 3: Report of TCP BBR — Data Link



Run 4: Statistics of TCP BBR

Start at: 2019-08-27 13:41:07

End at: 2019-08-27 13:41:38

Local clock offset: -0.632 ms

Remote clock offset: 6.072 ms

# Below is generated by plot.py at 2019-08-27 14:44:05

# Datalink statistics

-- Total of 3 flows:

Average throughput: 95.31 Mbit/s

95th percentile per-packet one-way delay: 221.631 ms

Loss rate: 1.89%

-- Flow 1:

Average throughput: 58.05 Mbit/s

95th percentile per-packet one-way delay: 171.584 ms

Loss rate: 1.44%

-- Flow 2:

Average throughput: 39.77 Mbit/s

95th percentile per-packet one-way delay: 157.509 ms

Loss rate: 1.94%

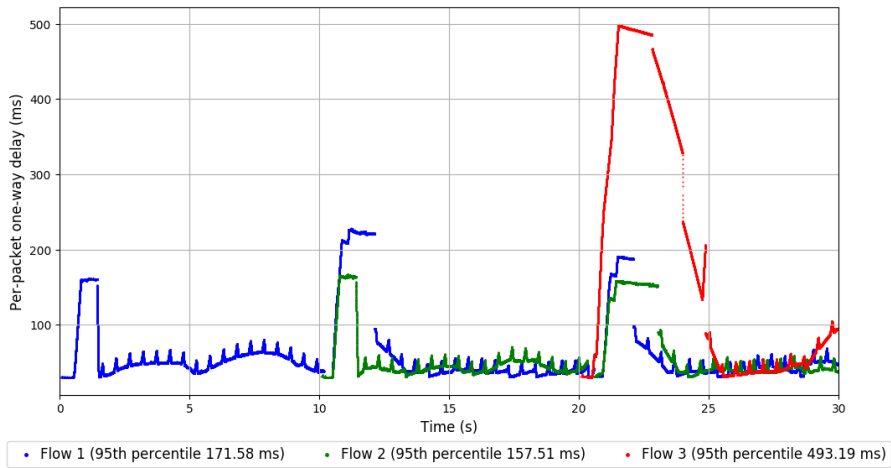
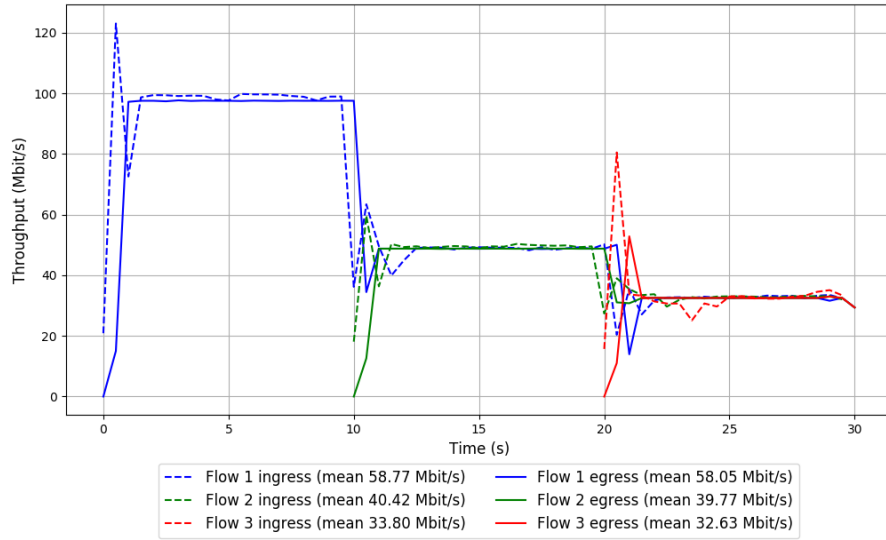
-- Flow 3:

Average throughput: 32.63 Mbit/s

95th percentile per-packet one-way delay: 493.186 ms

Loss rate: 4.09%

### Run 4: Report of TCP BBR — Data Link





Run 5: Statistics of TCP BBR

Start at: 2019-08-27 14:21:18

End at: 2019-08-27 14:21:48

Local clock offset: -0.491 ms

Remote clock offset: 3.971 ms

# Below is generated by plot.py at 2019-08-27 14:44:05

# Datalink statistics

-- Total of 3 flows:

Average throughput: 95.31 Mbit/s

95th percentile per-packet one-way delay: 281.119 ms

Loss rate: 2.00%

-- Flow 1:

Average throughput: 58.06 Mbit/s

95th percentile per-packet one-way delay: 200.146 ms

Loss rate: 1.70%

-- Flow 2:

Average throughput: 39.73 Mbit/s

95th percentile per-packet one-way delay: 160.946 ms

Loss rate: 1.98%

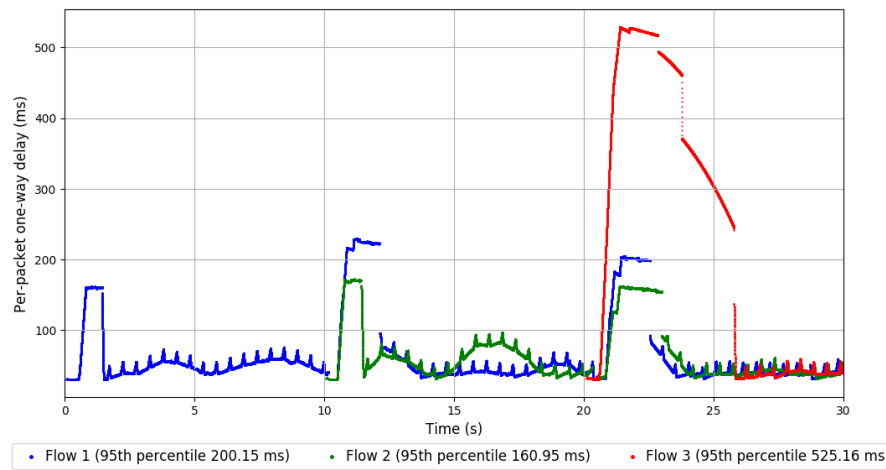
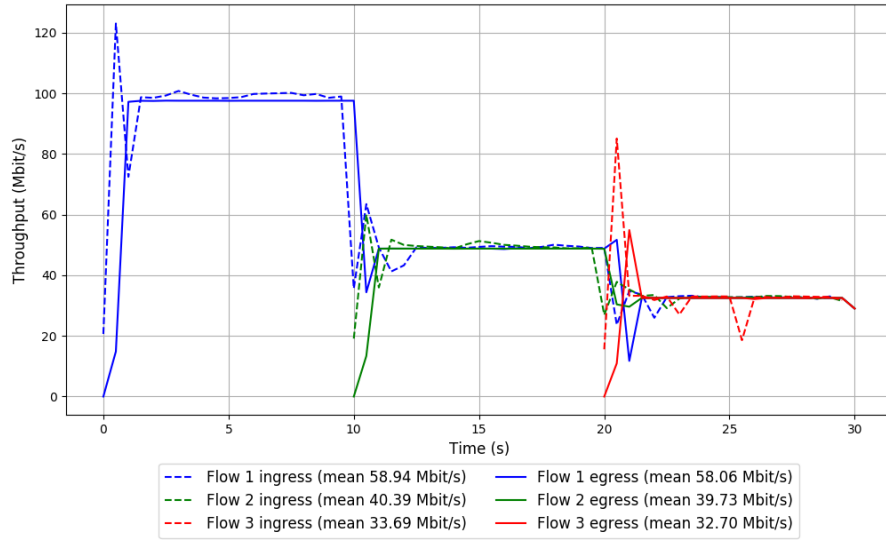
-- Flow 3:

Average throughput: 32.70 Mbit/s

95th percentile per-packet one-way delay: 525.165 ms

Loss rate: 3.58%

### Run 5: Report of TCP BBR — Data Link



Run 1: Statistics of Copa

Start at: 2019-08-27 11:51:58

End at: 2019-08-27 11:52:28

Local clock offset: -0.555 ms

Remote clock offset: 5.807 ms

# Below is generated by plot.py at 2019-08-27 14:45:00

# Datalink statistics

-- Total of 3 flows:

Average throughput: 88.76 Mbit/s

95th percentile per-packet one-way delay: 55.596 ms

Loss rate: 0.27%

-- Flow 1:

Average throughput: 58.41 Mbit/s

95th percentile per-packet one-way delay: 53.462 ms

Loss rate: 0.16%

-- Flow 2:

Average throughput: 31.82 Mbit/s

95th percentile per-packet one-way delay: 49.406 ms

Loss rate: 0.37%

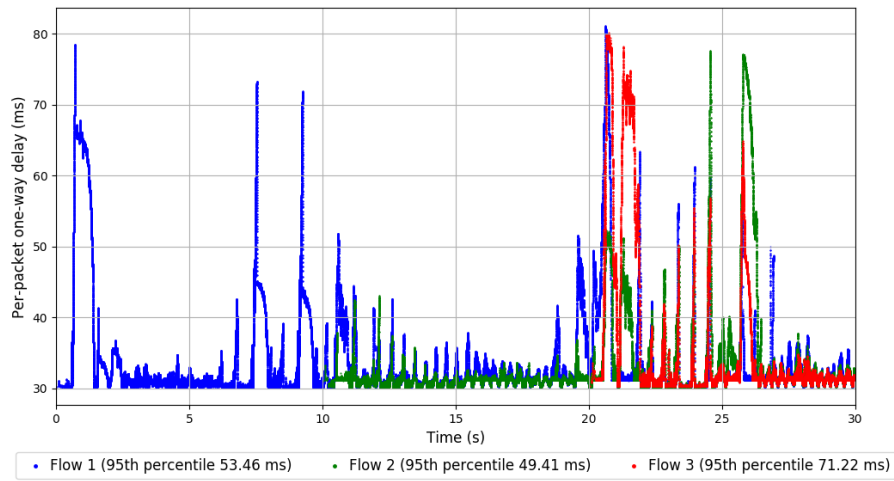
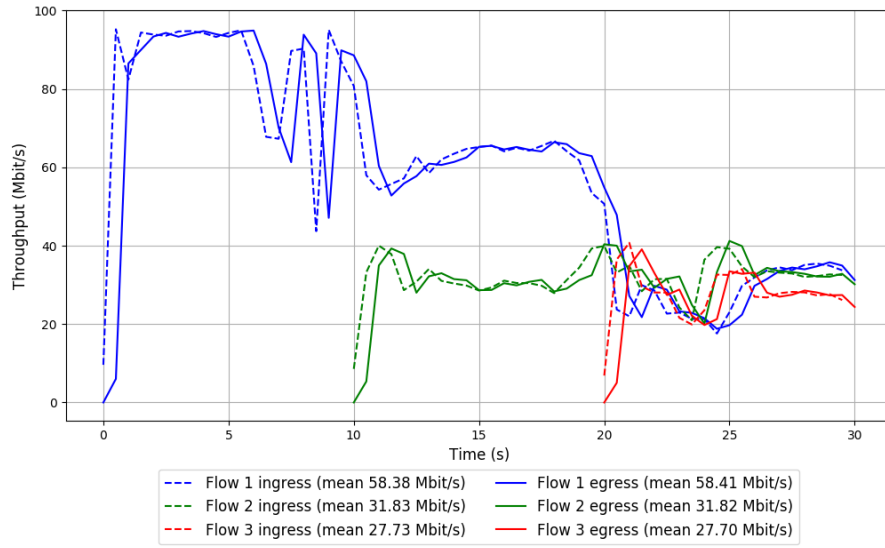
-- Flow 3:

Average throughput: 27.70 Mbit/s

95th percentile per-packet one-way delay: 71.218 ms

Loss rate: 0.74%

### Run 1: Report of Copa — Data Link



Run 2: Statistics of Copa

Start at: 2019-08-27 12:31:26

End at: 2019-08-27 12:31:56

Local clock offset: -0.62 ms

Remote clock offset: 6.339 ms

# Below is generated by plot.py at 2019-08-27 14:45:00

# Datalink statistics

-- Total of 3 flows:

Average throughput: 84.68 Mbit/s

95th percentile per-packet one-way delay: 71.448 ms

Loss rate: 0.26%

-- Flow 1:

Average throughput: 52.38 Mbit/s

95th percentile per-packet one-way delay: 99.368 ms

Loss rate: 0.14%

-- Flow 2:

Average throughput: 32.44 Mbit/s

95th percentile per-packet one-way delay: 42.672 ms

Loss rate: 0.44%

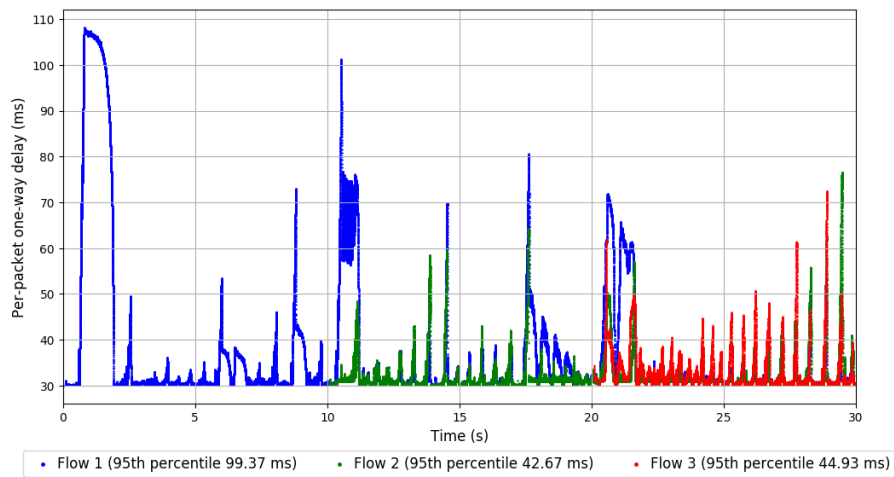
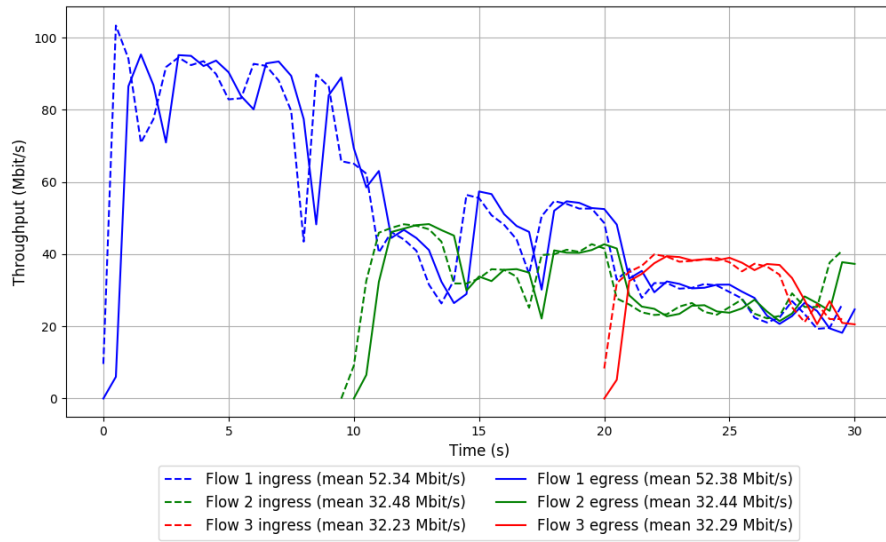
-- Flow 3:

Average throughput: 32.29 Mbit/s

95th percentile per-packet one-way delay: 44.934 ms

Loss rate: 0.47%

## Run 2: Report of Copa — Data Link



Run 3: Statistics of Copa

Start at: 2019-08-27 13:08:45

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

Local clock offset: -0.644 ms

Remote clock offset: 2.874 ms

# Below is generated by plot.py at 2019-08-27 14:45:02

# Datalink statistics

-- Total of 3 flows:

Average throughput: 89.81 Mbit/s

95th percentile per-packet one-way delay: 55.657 ms

Loss rate: 0.27%

-- Flow 1:

Average throughput: 53.13 Mbit/s

95th percentile per-packet one-way delay: 99.541 ms

Loss rate: 0.15%

-- Flow 2:

Average throughput: 40.89 Mbit/s

95th percentile per-packet one-way delay: 38.605 ms

Loss rate: 0.30%

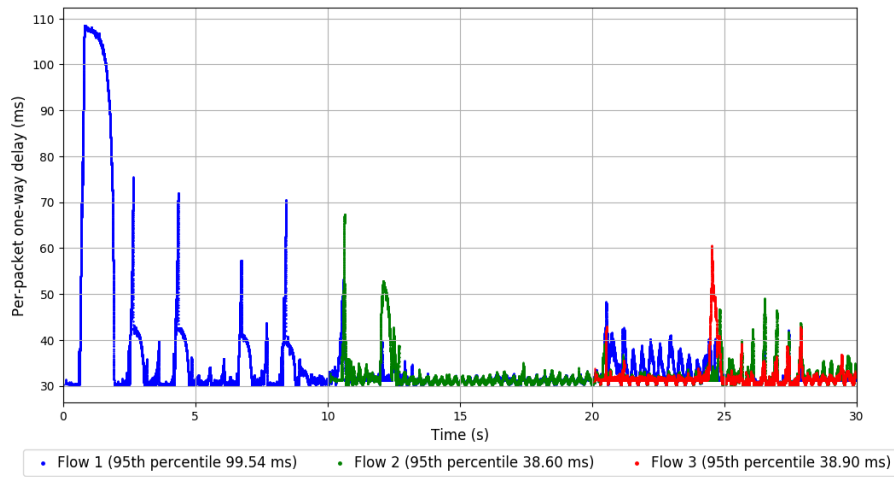
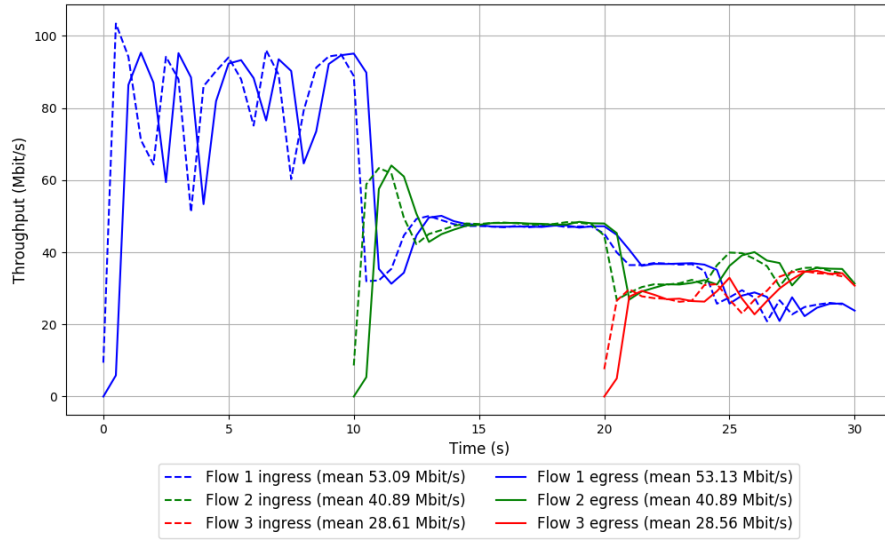
-- Flow 3:

Average throughput: 28.56 Mbit/s

95th percentile per-packet one-way delay: 38.900 ms

Loss rate: 0.81%

### Run 3: Report of Copa — Data Link





Run 4: Statistics of Copa

Start at: 2019-08-27 13:47:49

End at: 2019-08-27 13:48:19

Local clock offset: -0.681 ms

Remote clock offset: 6.325 ms

# Below is generated by plot.py at 2019-08-27 14:45:48

# Datalink statistics

-- Total of 3 flows:

Average throughput: 74.30 Mbit/s

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

Loss rate: 0.25%

-- Flow 1:

Average throughput: 43.88 Mbit/s

95th percentile per-packet one-way delay: 64.520 ms

Loss rate: 0.11%

-- Flow 2:

Average throughput: 27.00 Mbit/s

95th percentile per-packet one-way delay: 53.282 ms

Loss rate: 0.15%

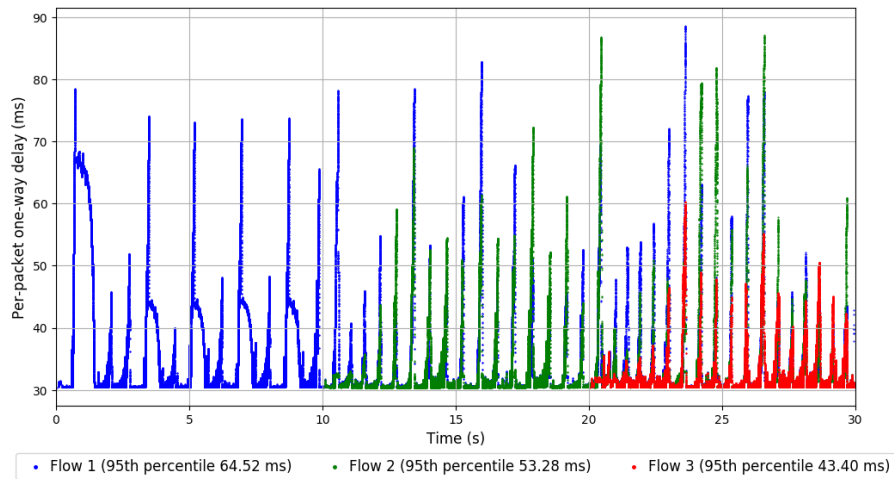
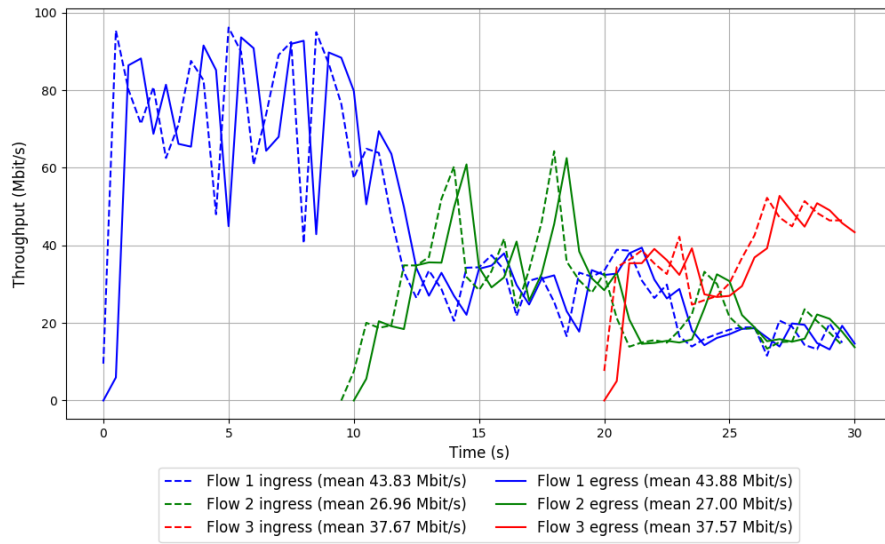
-- Flow 3:

Average throughput: 37.57 Mbit/s

95th percentile per-packet one-way delay: 43.399 ms

Loss rate: 0.89%

### Run 4: Report of Copa — Data Link



Run 5: Statistics of Copa

Start at: 2019-08-27 14:28:08

End at: 2019-08-27 14:28:38

Local clock offset: -0.47 ms

Remote clock offset: 3.573 ms

# Below is generated by plot.py at 2019-08-27 14:46:14

# Datalink statistics

-- Total of 3 flows:

Average throughput: 90.62 Mbit/s

95th percentile per-packet one-way delay: 49.680 ms

Loss rate: 0.24%

-- Flow 1:

Average throughput: 52.34 Mbit/s

95th percentile per-packet one-way delay: 53.021 ms

Loss rate: 0.15%

-- Flow 2:

Average throughput: 43.62 Mbit/s

95th percentile per-packet one-way delay: 41.320 ms

Loss rate: 0.27%

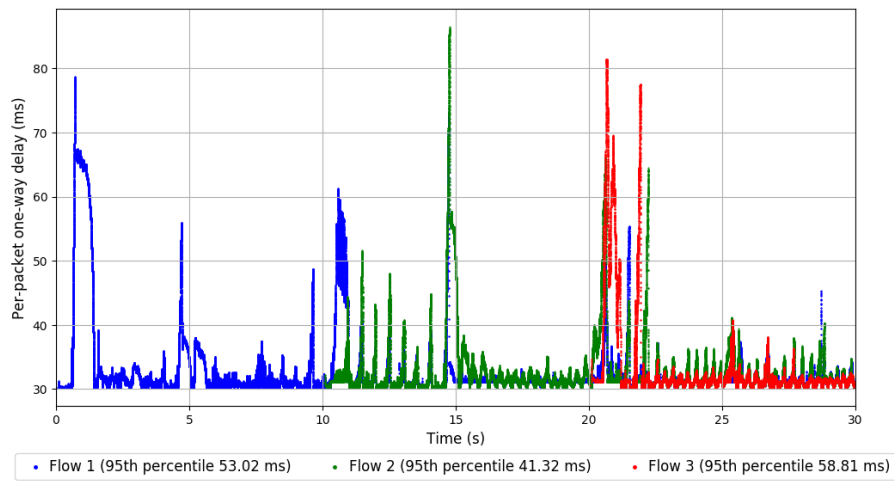
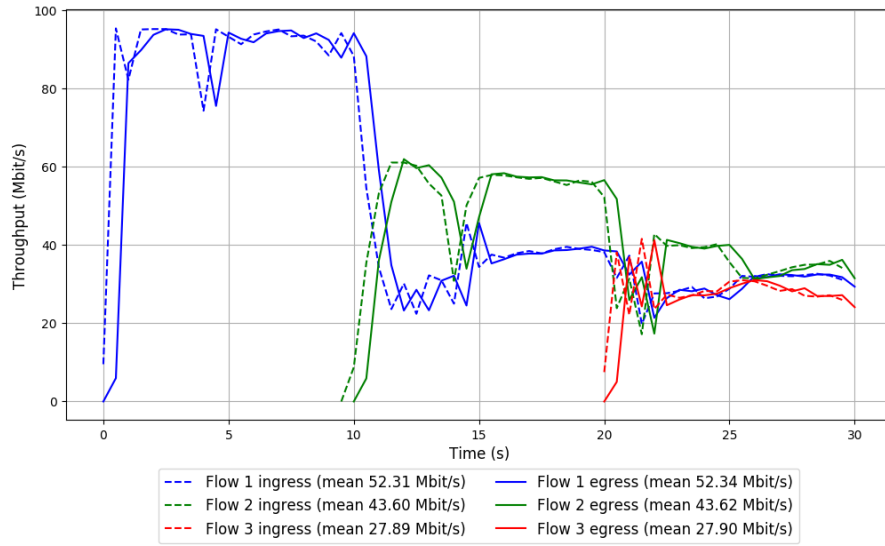
-- Flow 3:

Average throughput: 27.90 Mbit/s

95th percentile per-packet one-way delay: 58.812 ms

Loss rate: 0.63%

### Run 5: Report of Copa — Data Link



Run 1: Statistics of TCP Cubic

Start at: 2019-08-27 11:57:06

End at: 2019-08-27 11:57:36

Local clock offset: -0.557 ms

Remote clock offset: 5.789 ms

# Below is generated by plot.py at 2019-08-27 14:46:14

# Datalink statistics

-- Total of 3 flows:

Average throughput: 93.50 Mbit/s

95th percentile per-packet one-way delay: 38.050 ms

Loss rate: 0.25%

-- Flow 1:

Average throughput: 53.73 Mbit/s

95th percentile per-packet one-way delay: 37.572 ms

Loss rate: 0.12%

-- Flow 2:

Average throughput: 46.75 Mbit/s

95th percentile per-packet one-way delay: 37.859 ms

Loss rate: 0.34%

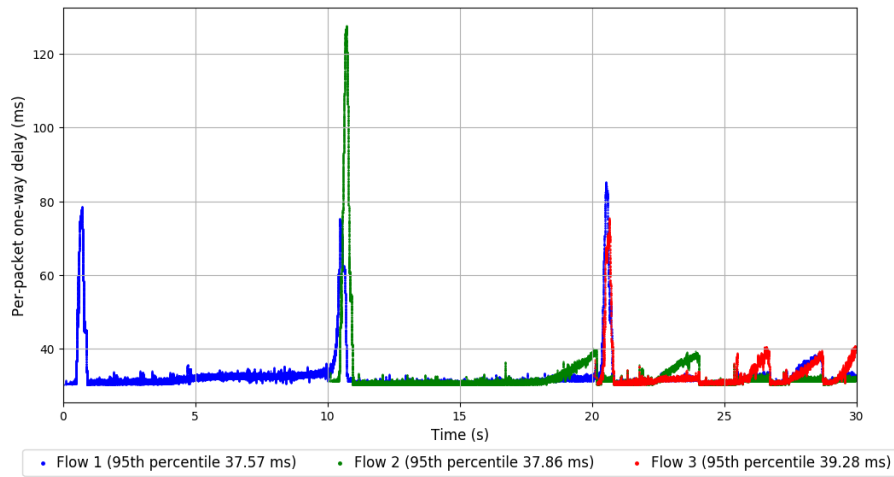
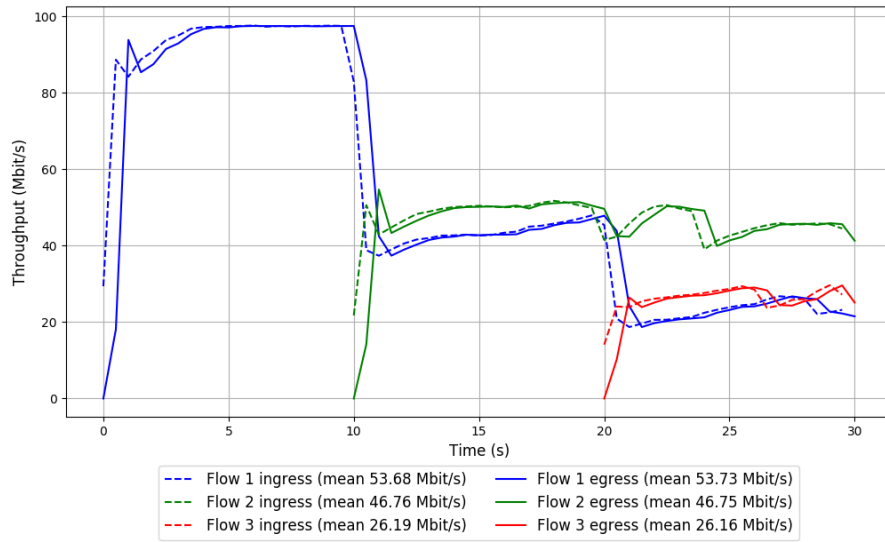
-- Flow 3:

Average throughput: 26.16 Mbit/s

95th percentile per-packet one-way delay: 39.285 ms

Loss rate: 0.78%

### Run 1: Report of TCP Cubic — Data Link



Run 2: Statistics of TCP Cubic

Start at: 2019-08-27 12:36:35

End at: 2019-08-27 12:37:05

Local clock offset: -0.649 ms

Remote clock offset: 6.398 ms

# Below is generated by plot.py at 2019-08-27 14:46:14

# Datalink statistics

-- Total of 3 flows:

Average throughput: 85.59 Mbit/s

95th percentile per-packet one-way delay: 39.677 ms

Loss rate: 0.28%

-- Flow 1:

Average throughput: 52.82 Mbit/s

95th percentile per-packet one-way delay: 38.935 ms

Loss rate: 0.20%

-- Flow 2:

Average throughput: 36.90 Mbit/s

95th percentile per-packet one-way delay: 39.799 ms

Loss rate: 0.27%

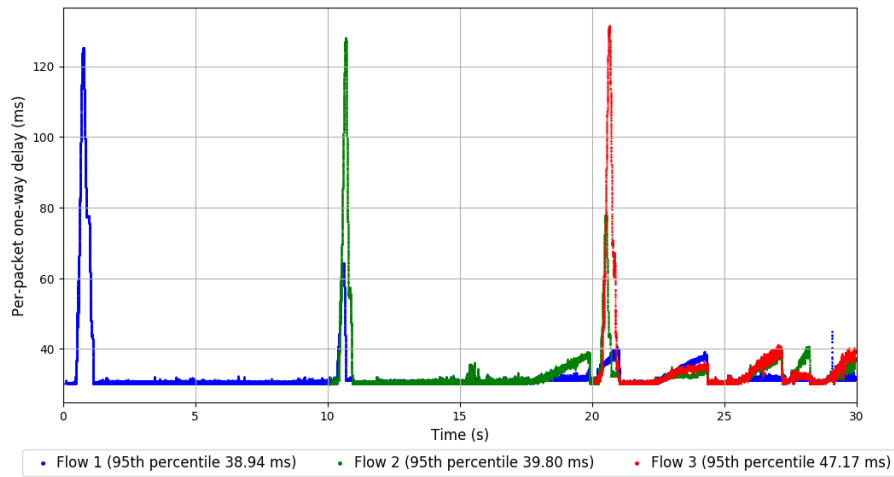
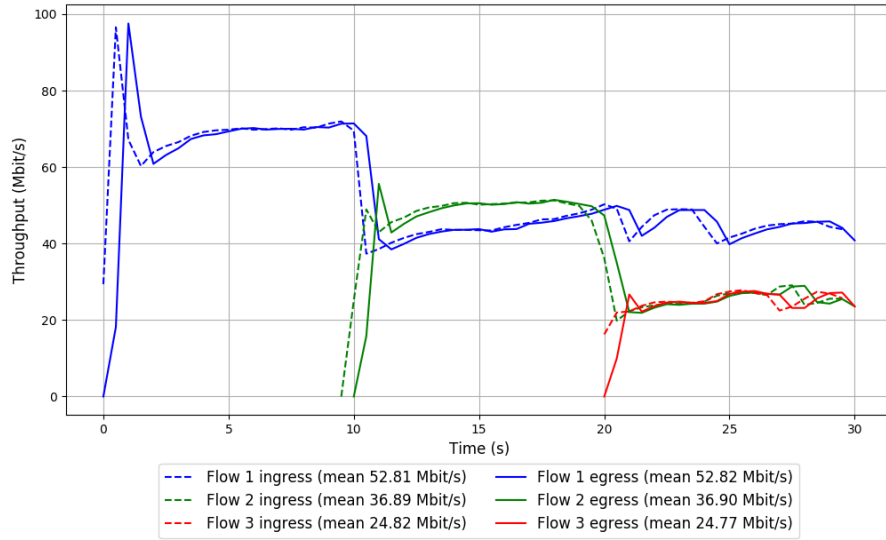
-- Flow 3:

Average throughput: 24.77 Mbit/s

95th percentile per-packet one-way delay: 47.171 ms

Loss rate: 0.82%

## Run 2: Report of TCP Cubic — Data Link





Run 3: Statistics of TCP Cubic

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

End at: 2019-08-27 13:14:26

Local clock offset: -0.616 ms

Remote clock offset: 2.79 ms

# Below is generated by plot.py at 2019-08-27 14:46:14

# Datalink statistics

-- Total of 3 flows:

Average throughput: 85.83 Mbit/s

95th percentile per-packet one-way delay: 40.762 ms

Loss rate: 0.26%

-- Flow 1:

Average throughput: 46.12 Mbit/s

95th percentile per-packet one-way delay: 47.860 ms

Loss rate: 0.13%

-- Flow 2:

Average throughput: 46.52 Mbit/s

95th percentile per-packet one-way delay: 37.845 ms

Loss rate: 0.34%

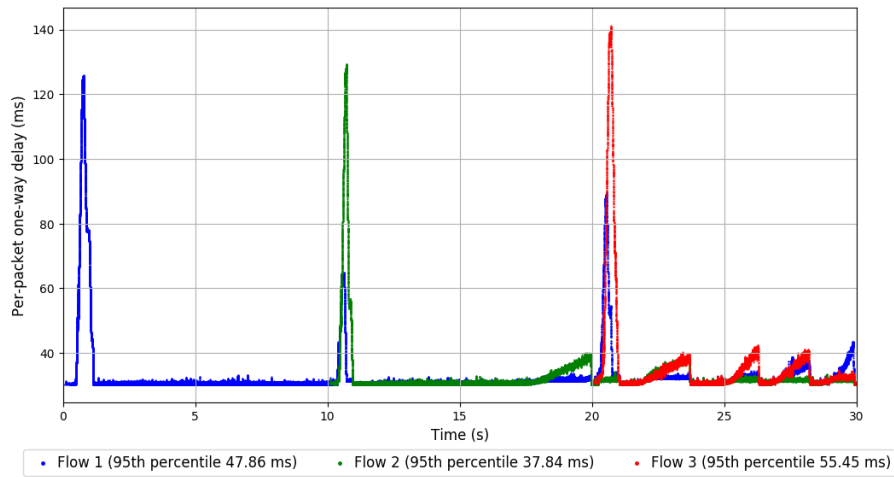
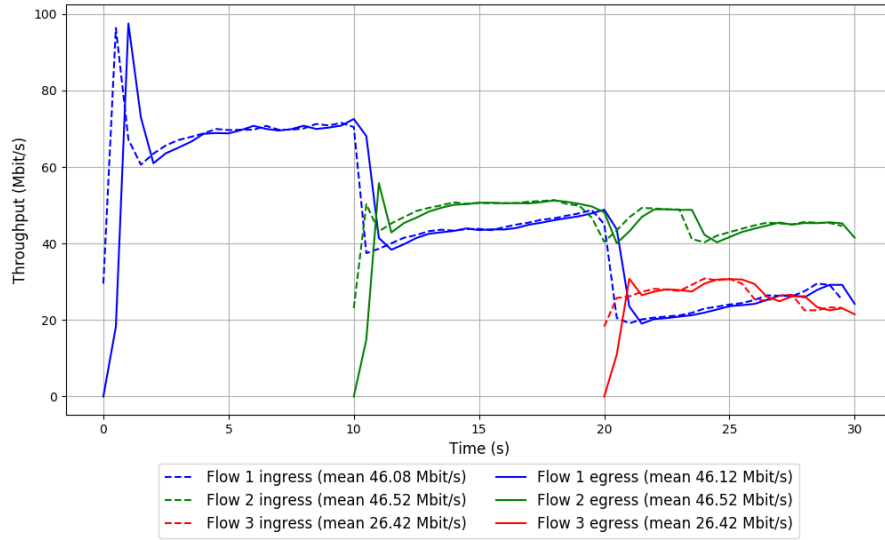
-- Flow 3:

Average throughput: 26.42 Mbit/s

95th percentile per-packet one-way delay: 55.451 ms

Loss rate: 0.66%

### Run 3: Report of TCP Cubic — Data Link



Run 4: Statistics of TCP Cubic

Start at: 2019-08-27 13:53:05

End at: 2019-08-27 13:53:35

Local clock offset: -0.689 ms

Remote clock offset: 6.764 ms

# Below is generated by plot.py at 2019-08-27 14:46:14

# Datalink statistics

-- Total of 3 flows:

Average throughput: 93.66 Mbit/s

95th percentile per-packet one-way delay: 38.602 ms

Loss rate: 0.26%

-- Flow 1:

Average throughput: 53.76 Mbit/s

95th percentile per-packet one-way delay: 37.258 ms

Loss rate: 0.12%

-- Flow 2:

Average throughput: 36.35 Mbit/s

95th percentile per-packet one-way delay: 39.021 ms

Loss rate: 0.22%

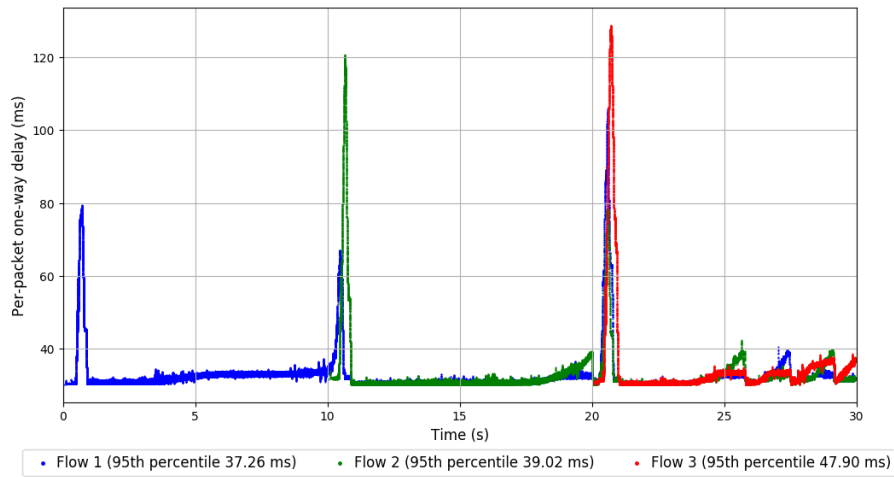
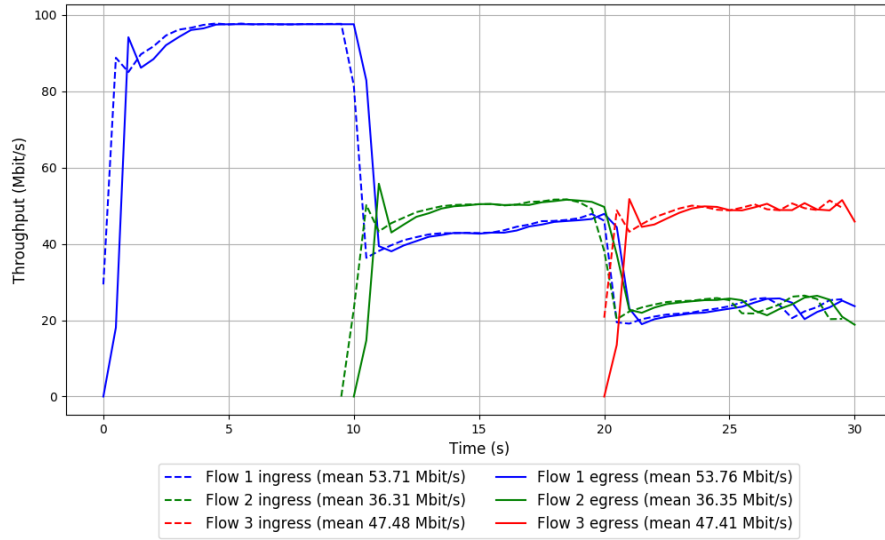
-- Flow 3:

Average throughput: 47.41 Mbit/s

95th percentile per-packet one-way delay: 47.895 ms

Loss rate: 0.77%

### Run 4: Report of TCP Cubic — Data Link



Run 5: Statistics of TCP Cubic

Start at: 2019-08-27 14:33:46

End at: 2019-08-27 14:34:16

Local clock offset: -0.451 ms

Remote clock offset: 3.912 ms

# Below is generated by plot.py at 2019-08-27 14:46:14

# Datalink statistics

-- Total of 3 flows:

Average throughput: 85.32 Mbit/s

95th percentile per-packet one-way delay: 42.456 ms

Loss rate: 0.28%

-- Flow 1:

Average throughput: 45.59 Mbit/s

95th percentile per-packet one-way delay: 48.740 ms

Loss rate: 0.15%

-- Flow 2:

Average throughput: 36.10 Mbit/s

95th percentile per-packet one-way delay: 38.154 ms

Loss rate: 0.21%

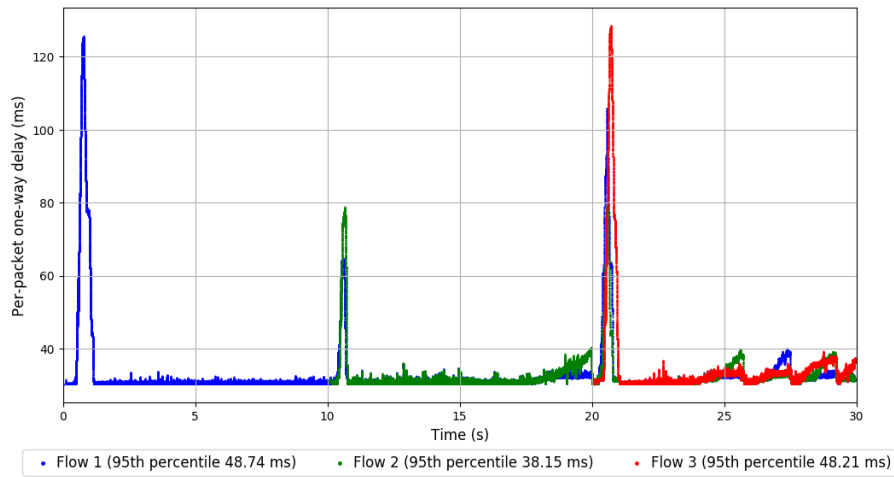
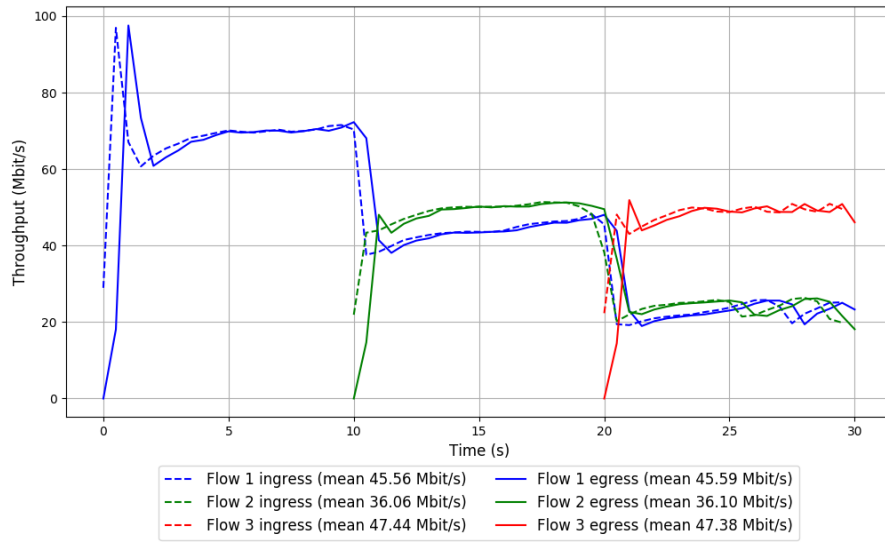
-- Flow 3:

Average throughput: 47.38 Mbit/s

95th percentile per-packet one-way delay: 48.208 ms

Loss rate: 0.77%

### Run 5: Report of TCP Cubic — Data Link



Run 1: Statistics of FillP

Start at: 2019-08-27 11:50:38

End at: 2019-08-27 11:51:08

Local clock offset: -0.554 ms

Remote clock offset: 5.721 ms

# Below is generated by plot.py at 2019-08-27 14:46:28

# Datalink statistics

-- Total of 3 flows:

Average throughput: 94.68 Mbit/s

95th percentile per-packet one-way delay: 111.496 ms

Loss rate: 1.09%

-- Flow 1:

Average throughput: 56.56 Mbit/s

95th percentile per-packet one-way delay: 99.033 ms

Loss rate: 0.37%

-- Flow 2:

Average throughput: 42.59 Mbit/s

95th percentile per-packet one-way delay: 129.565 ms

Loss rate: 2.51%

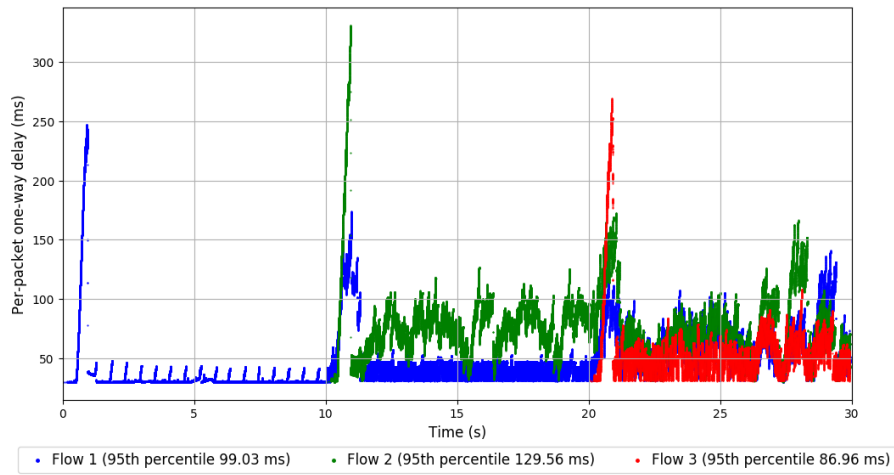
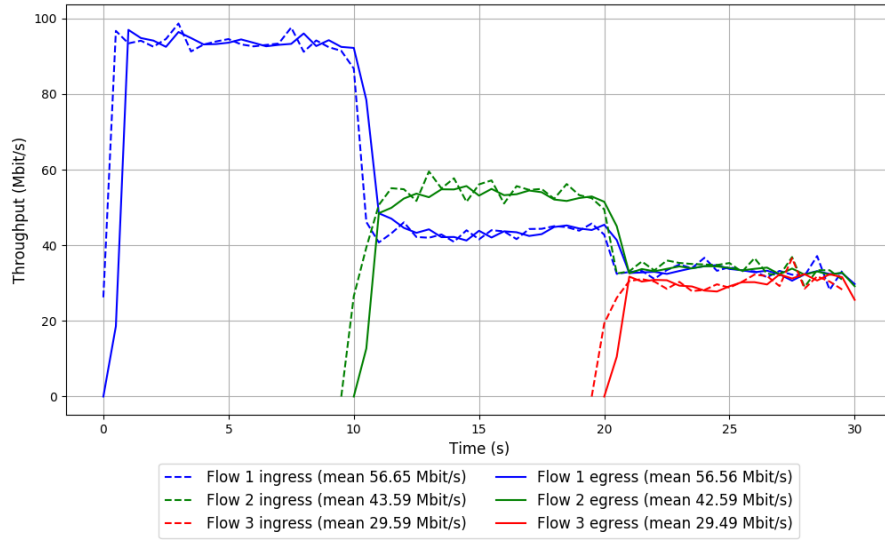
-- Flow 3:

Average throughput: 29.49 Mbit/s

95th percentile per-packet one-way delay: 86.963 ms

Loss rate: 1.06%

### Run 1: Report of FillP — Data Link





Run 2: Statistics of FillP

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

End at: 2019-08-27 12:30:21

Local clock offset: -0.648 ms

Remote clock offset: 5.975 ms

# Below is generated by plot.py at 2019-08-27 14:46:34

# Datalink statistics

-- Total of 3 flows:

Average throughput: 94.74 Mbit/s

95th percentile per-packet one-way delay: 110.227 ms

Loss rate: 1.59%

-- Flow 1:

Average throughput: 56.90 Mbit/s

95th percentile per-packet one-way delay: 95.187 ms

Loss rate: 0.37%

-- Flow 2:

Average throughput: 42.35 Mbit/s

95th percentile per-packet one-way delay: 118.283 ms

Loss rate: 4.15%

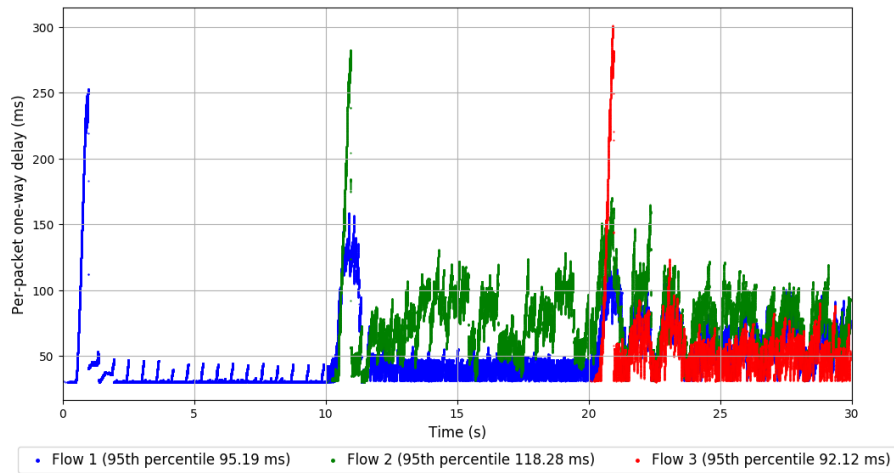
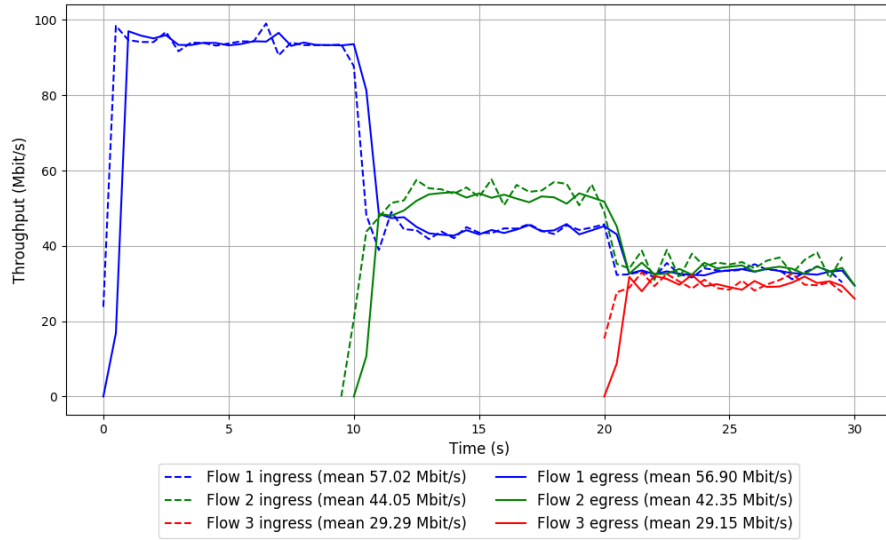
-- Flow 3:

Average throughput: 29.15 Mbit/s

95th percentile per-packet one-way delay: 92.125 ms

Loss rate: 1.05%

## Run 2: Report of FillP — Data Link



Run 3: Statistics of FillP

Start at: 2019-08-27 13:07:16

End at: 2019-08-27 13:07:46

Local clock offset: -0.63 ms

Remote clock offset: 2.922 ms

# Below is generated by plot.py at 2019-08-27 14:46:36

# Datalink statistics

-- Total of 3 flows:

Average throughput: 94.71 Mbit/s

95th percentile per-packet one-way delay: 118.588 ms

Loss rate: 2.22%

-- Flow 1:

Average throughput: 60.77 Mbit/s

95th percentile per-packet one-way delay: 62.645 ms

Loss rate: 0.27%

-- Flow 2:

Average throughput: 39.08 Mbit/s

95th percentile per-packet one-way delay: 144.564 ms

Loss rate: 5.42%

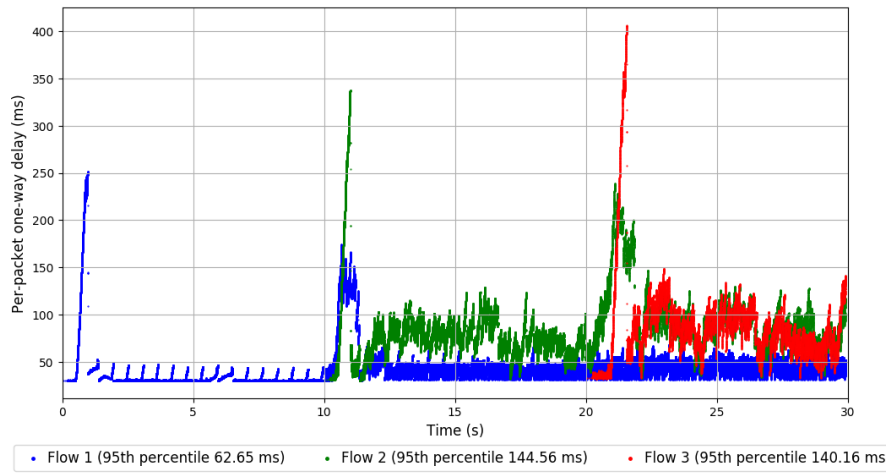
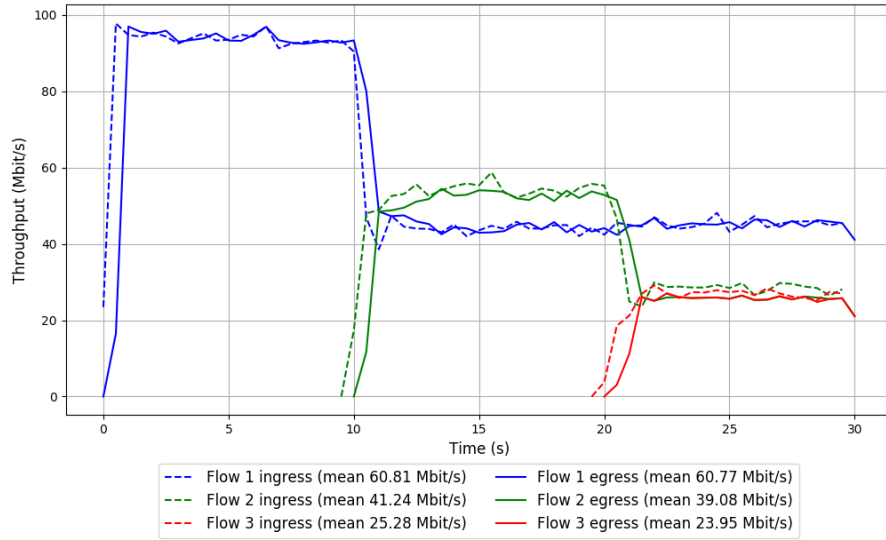
-- Flow 3:

Average throughput: 23.95 Mbit/s

95th percentile per-packet one-way delay: 140.164 ms

Loss rate: 5.87%

### Run 3: Report of FillP — Data Link



Run 4: Statistics of FillP

Start at: 2019-08-27 13:46:09

End at: 2019-08-27 13:46:39

Local clock offset: -0.673 ms

Remote clock offset: 6.294 ms

# Below is generated by plot.py at 2019-08-27 14:46:41

# Datalink statistics

-- Total of 3 flows:

Average throughput: 94.71 Mbit/s

95th percentile per-packet one-way delay: 111.694 ms

Loss rate: 1.03%

-- Flow 1:

Average throughput: 57.06 Mbit/s

95th percentile per-packet one-way delay: 91.750 ms

Loss rate: 0.39%

-- Flow 2:

Average throughput: 41.18 Mbit/s

95th percentile per-packet one-way delay: 124.352 ms

Loss rate: 2.25%

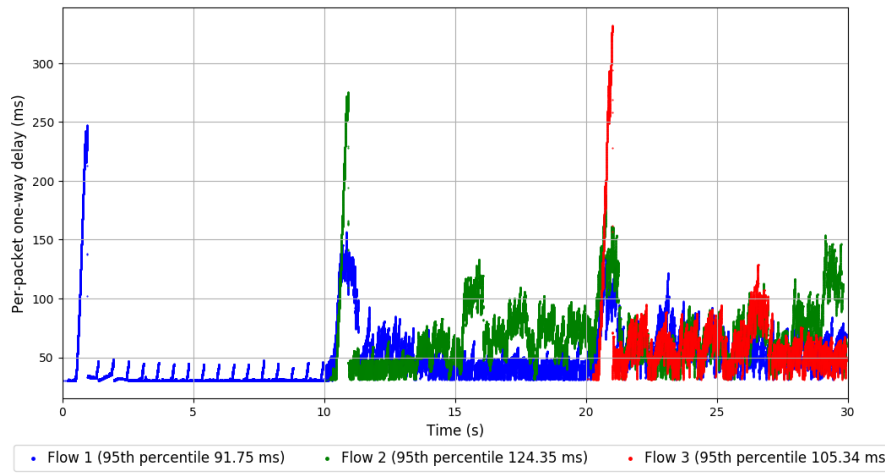
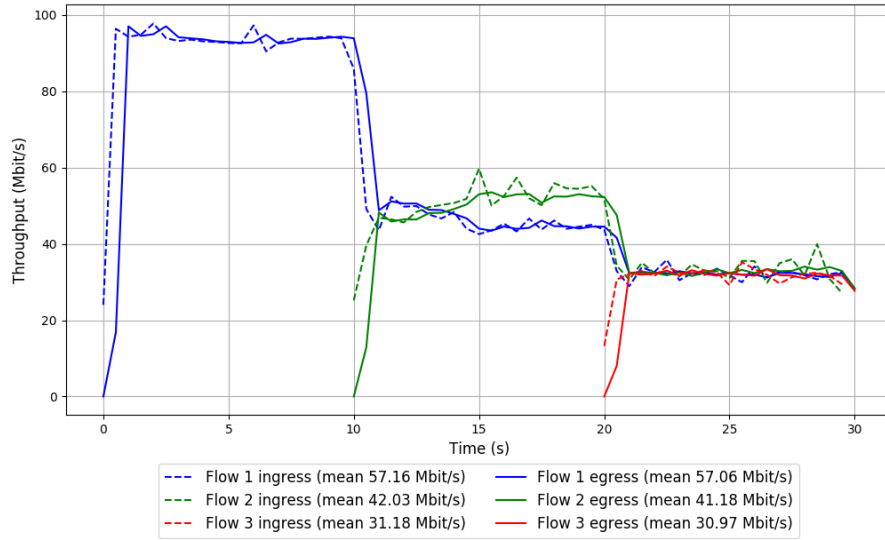
-- Flow 3:

Average throughput: 30.97 Mbit/s

95th percentile per-packet one-way delay: 105.343 ms

Loss rate: 1.27%

### Run 4: Report of FillP — Data Link



Run 5: Statistics of FillP

Start at: 2019-08-27 14:26:40

End at: 2019-08-27 14:27:10

Local clock offset: -0.473 ms

Remote clock offset: 3.7 ms

# Below is generated by plot.py at 2019-08-27 14:47:18

# Datalink statistics

-- Total of 3 flows:

Average throughput: 94.54 Mbit/s

95th percentile per-packet one-way delay: 118.726 ms

Loss rate: 1.15%

-- Flow 1:

Average throughput: 55.18 Mbit/s

95th percentile per-packet one-way delay: 110.903 ms

Loss rate: 0.71%

-- Flow 2:

Average throughput: 37.91 Mbit/s

95th percentile per-packet one-way delay: 132.663 ms

Loss rate: 2.25%

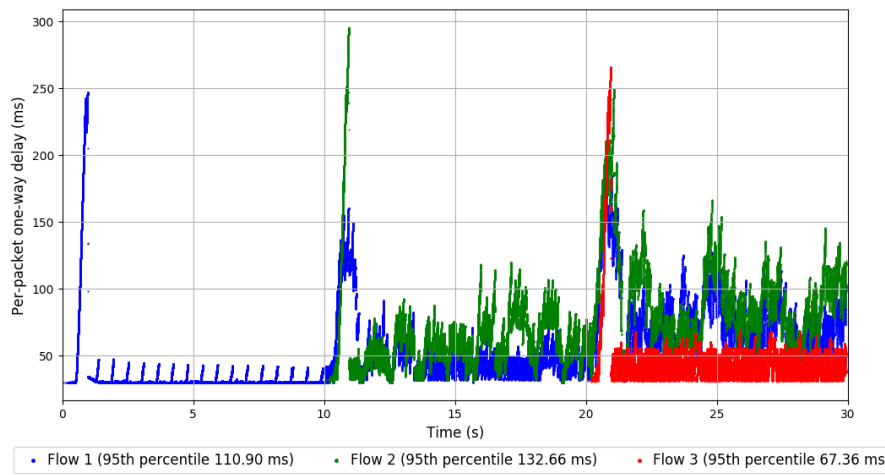
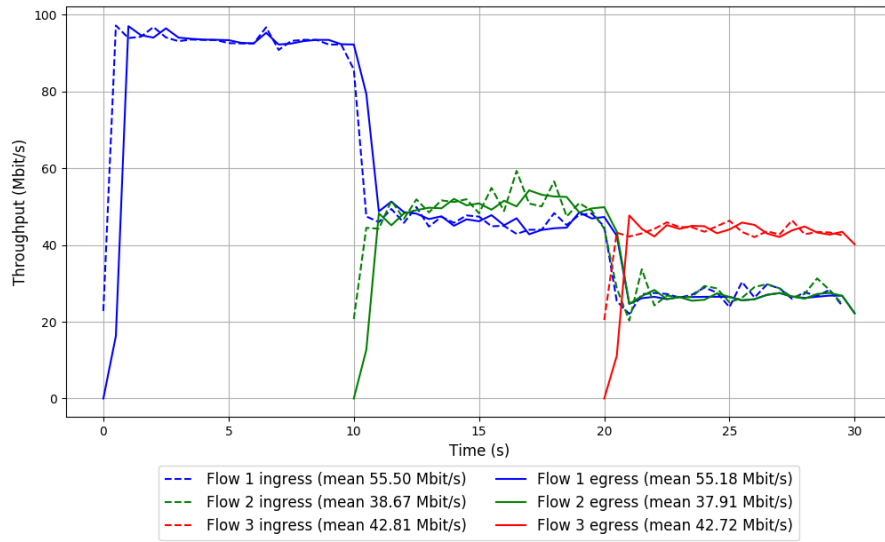
-- Flow 3:

Average throughput: 42.72 Mbit/s

95th percentile per-packet one-way delay: 67.355 ms

Loss rate: 0.85%

### Run 5: Report of FillP — Data Link





Run 1: Statistics of FillP-Sheep

Start at: 2019-08-27 11:53:45

End at: 2019-08-27 11:54:15

Local clock offset: -0.568 ms

Remote clock offset: 5.813 ms

# Below is generated by plot.py at 2019-08-27 14:47:25

# Datalink statistics

-- Total of 3 flows:

Average throughput: 94.25 Mbit/s

95th percentile per-packet one-way delay: 99.801 ms

Loss rate: 0.43%

-- Flow 1:

Average throughput: 55.57 Mbit/s

95th percentile per-packet one-way delay: 112.043 ms

Loss rate: 0.23%

-- Flow 2:

Average throughput: 45.10 Mbit/s

95th percentile per-packet one-way delay: 62.277 ms

Loss rate: 0.48%

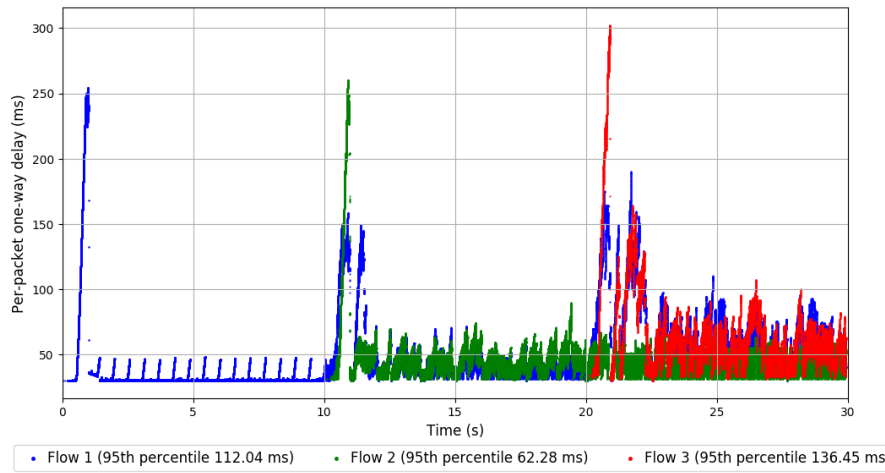
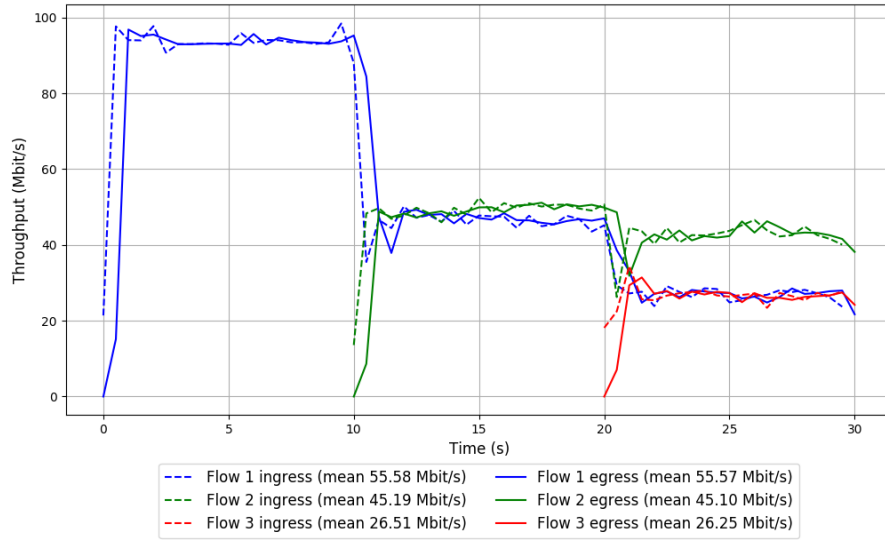
-- Flow 3:

Average throughput: 26.25 Mbit/s

95th percentile per-packet one-way delay: 136.454 ms

Loss rate: 1.46%

# Run 1: Report of FillP-Sheep — Data Link



Run 2: Statistics of FillP-Sheep

Start at: 2019-08-27 12:33:18

End at: 2019-08-27 12:33:48

Local clock offset: -0.651 ms

Remote clock offset: 6.392 ms

# Below is generated by plot.py at 2019-08-27 14:47:27

# Datalink statistics

-- Total of 3 flows:

Average throughput: 94.46 Mbit/s

95th percentile per-packet one-way delay: 101.592 ms

Loss rate: 0.41%

-- Flow 1:

Average throughput: 56.09 Mbit/s

95th percentile per-packet one-way delay: 107.472 ms

Loss rate: 0.29%

-- Flow 2:

Average throughput: 44.54 Mbit/s

95th percentile per-packet one-way delay: 61.590 ms

Loss rate: 0.32%

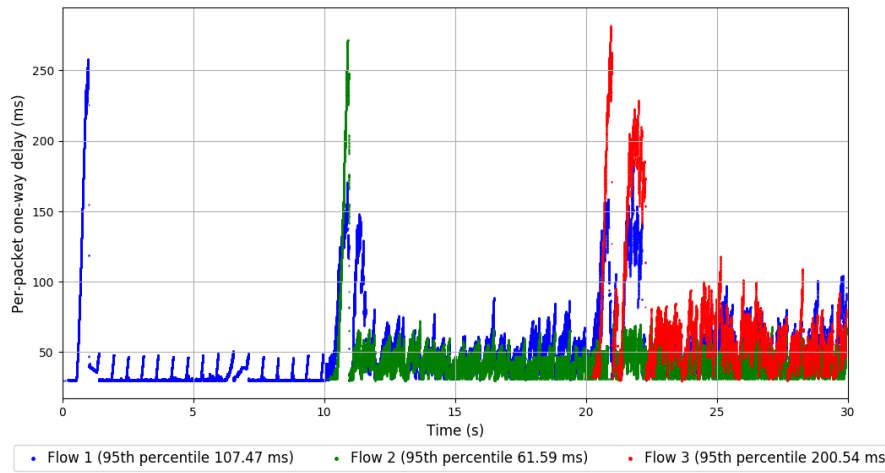
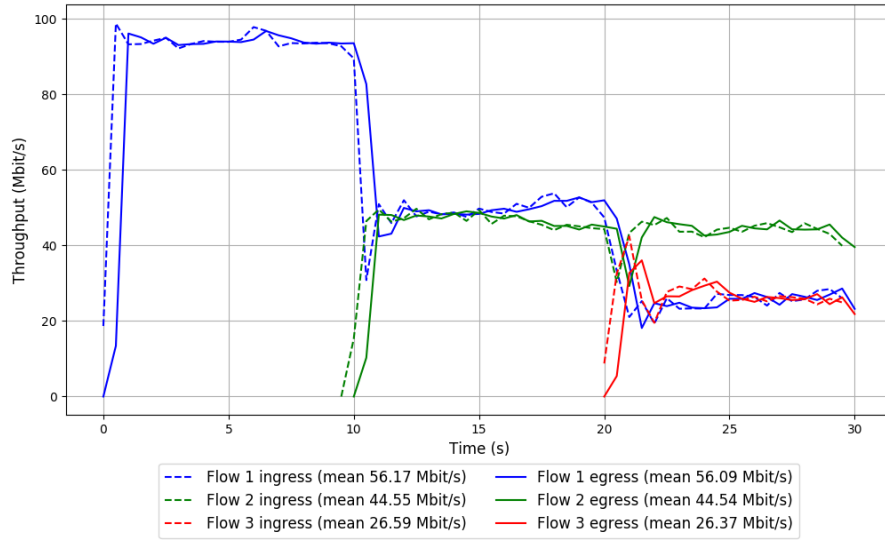
-- Flow 3:

Average throughput: 26.37 Mbit/s

95th percentile per-packet one-way delay: 200.540 ms

Loss rate: 1.46%

Run 2: Report of FillP-Sheep — Data Link



Run 3: Statistics of FillP-Sheep

Start at: 2019-08-27 13:10:35

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

Local clock offset: -0.634 ms

Remote clock offset: 2.857 ms

# Below is generated by plot.py at 2019-08-27 14:47:42

# Datalink statistics

-- Total of 3 flows:

Average throughput: 94.03 Mbit/s

95th percentile per-packet one-way delay: 112.200 ms

Loss rate: 0.48%

-- Flow 1:

Average throughput: 54.10 Mbit/s

95th percentile per-packet one-way delay: 110.883 ms

Loss rate: 0.21%

-- Flow 2:

Average throughput: 46.47 Mbit/s

95th percentile per-packet one-way delay: 74.638 ms

Loss rate: 0.49%

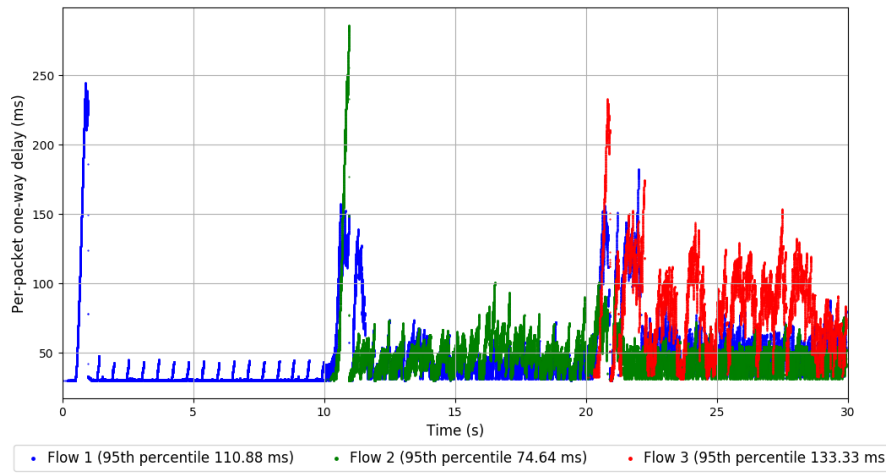
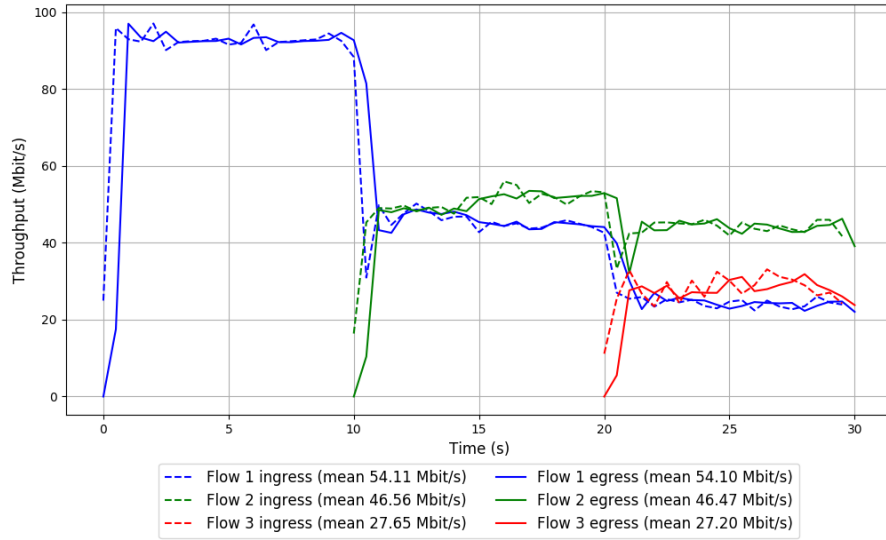
-- Flow 3:

Average throughput: 27.20 Mbit/s

95th percentile per-packet one-way delay: 133.327 ms

Loss rate: 2.03%

### Run 3: Report of FillP-Sheep — Data Link



Run 4: Statistics of FillP-Sheep

Start at: 2019-08-27 13:49:46

End at: 2019-08-27 13:50:16

Local clock offset: -0.646 ms

Remote clock offset: 6.537 ms

# Below is generated by plot.py at 2019-08-27 14:47:56

# Datalink statistics

-- Total of 3 flows:

Average throughput: 94.04 Mbit/s

95th percentile per-packet one-way delay: 89.225 ms

Loss rate: 0.36%

-- Flow 1:

Average throughput: 57.63 Mbit/s

95th percentile per-packet one-way delay: 86.572 ms

Loss rate: 0.19%

-- Flow 2:

Average throughput: 39.85 Mbit/s

95th percentile per-packet one-way delay: 97.275 ms

Loss rate: 0.44%

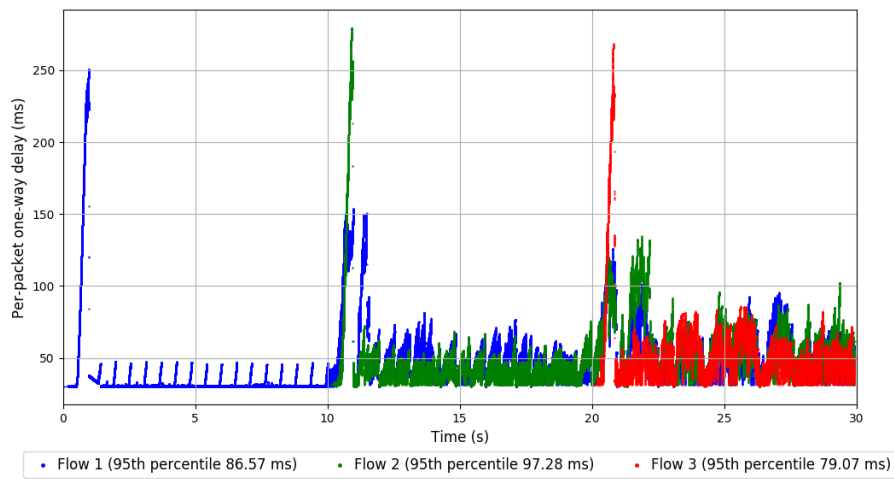
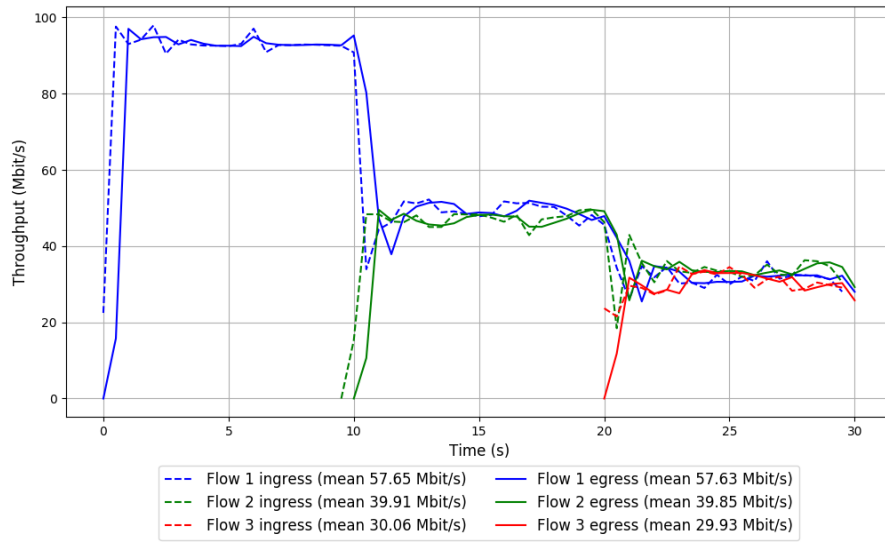
-- Flow 3:

Average throughput: 29.93 Mbit/s

95th percentile per-packet one-way delay: 79.068 ms

Loss rate: 1.08%

### Run 4: Report of FillP-Sheep — Data Link





Run 5: Statistics of FillP-Sheep

Start at: 2019-08-27 14:30:09

End at: 2019-08-27 14:30:39

Local clock offset: -0.45 ms

Remote clock offset: 3.536 ms

# Below is generated by plot.py at 2019-08-27 14:48:01

# Datalink statistics

-- Total of 3 flows:

Average throughput: 94.28 Mbit/s

95th percentile per-packet one-way delay: 104.782 ms

Loss rate: 0.45%

-- Flow 1:

Average throughput: 55.37 Mbit/s

95th percentile per-packet one-way delay: 114.813 ms

Loss rate: 0.25%

-- Flow 2:

Average throughput: 45.25 Mbit/s

95th percentile per-packet one-way delay: 66.220 ms

Loss rate: 0.47%

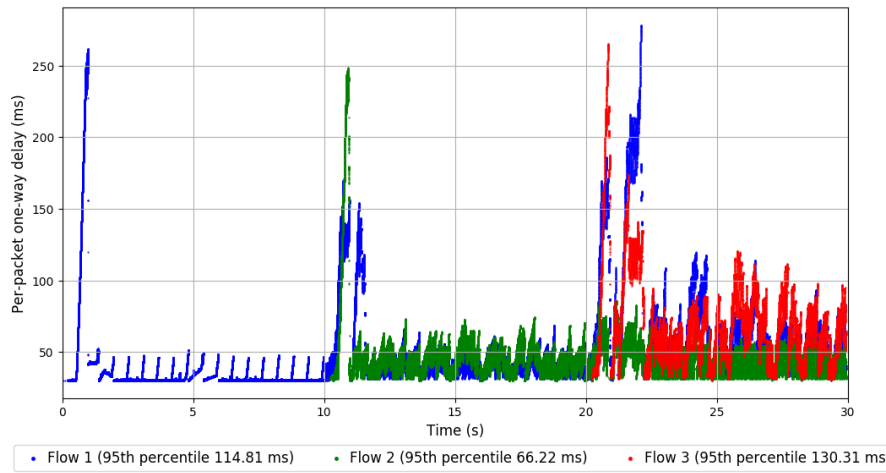
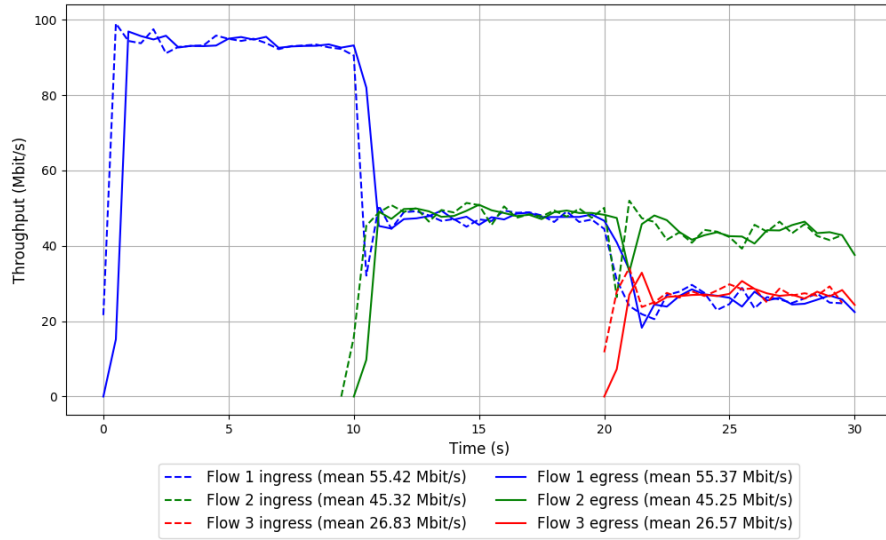
-- Flow 3:

Average throughput: 26.57 Mbit/s

95th percentile per-packet one-way delay: 130.309 ms

Loss rate: 1.63%

Run 5: Report of FillP-Sheep — Data Link



Run 1: Statistics of Indigo

Start at: 2019-08-27 11:55:18

End at: 2019-08-27 11:55:48

Local clock offset: -0.547 ms

Remote clock offset: 5.855 ms

# Below is generated by plot.py at 2019-08-27 14:48:01

# Datalink statistics

-- Total of 3 flows:

Average throughput: 95.82 Mbit/s

95th percentile per-packet one-way delay: 41.893 ms

Loss rate: 0.27%

-- Flow 1:

Average throughput: 56.41 Mbit/s

95th percentile per-packet one-way delay: 44.456 ms

Loss rate: 0.17%

-- Flow 2:

Average throughput: 47.60 Mbit/s

95th percentile per-packet one-way delay: 37.813 ms

Loss rate: 0.34%

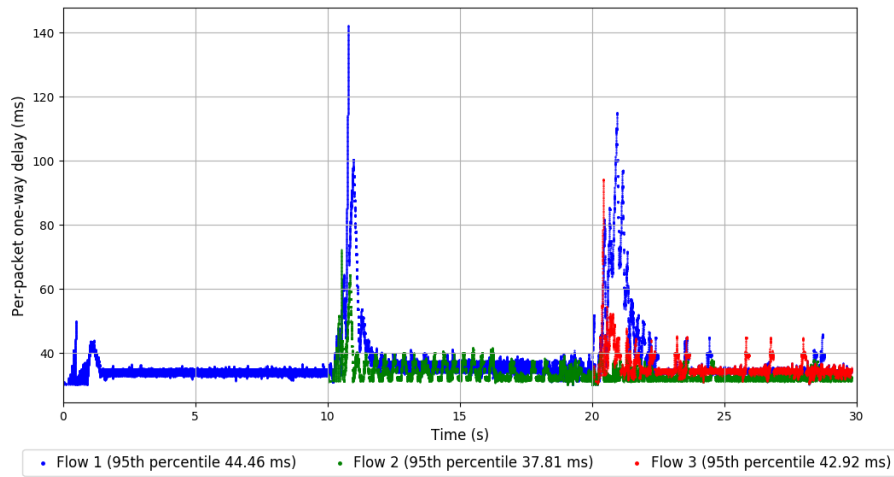
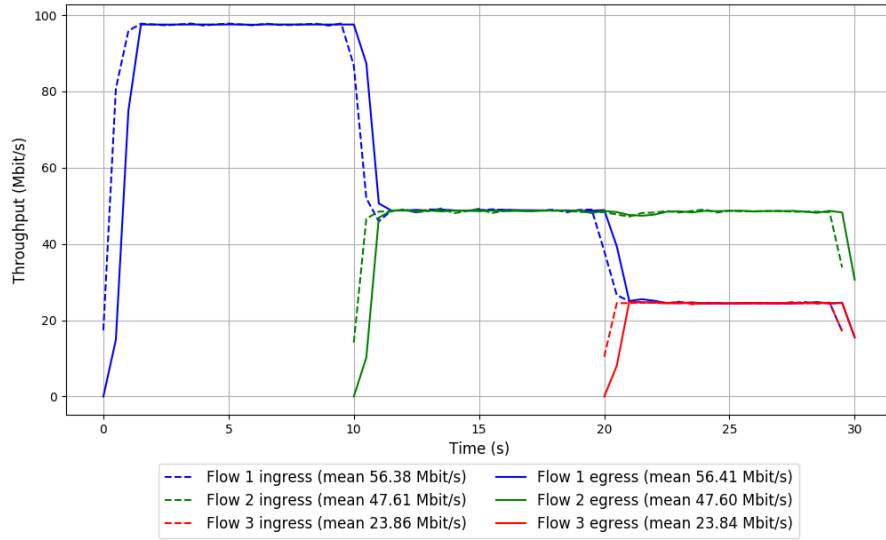
-- Flow 3:

Average throughput: 23.84 Mbit/s

95th percentile per-packet one-way delay: 42.919 ms

Loss rate: 0.75%

### Run 1: Report of Indigo — Data Link



Run 2: Statistics of Indigo

Start at: 2019-08-27 12:34:50

End at: 2019-08-27 12:35:20

Local clock offset: -0.644 ms

Remote clock offset: 6.01 ms

# Below is generated by plot.py at 2019-08-27 14:48:01

# Datalink statistics

-- Total of 3 flows:

Average throughput: 95.89 Mbit/s

95th percentile per-packet one-way delay: 42.417 ms

Loss rate: 0.28%

-- Flow 1:

Average throughput: 64.14 Mbit/s

95th percentile per-packet one-way delay: 39.776 ms

Loss rate: 0.20%

-- Flow 2:

Average throughput: 36.09 Mbit/s

95th percentile per-packet one-way delay: 45.882 ms

Loss rate: 0.34%

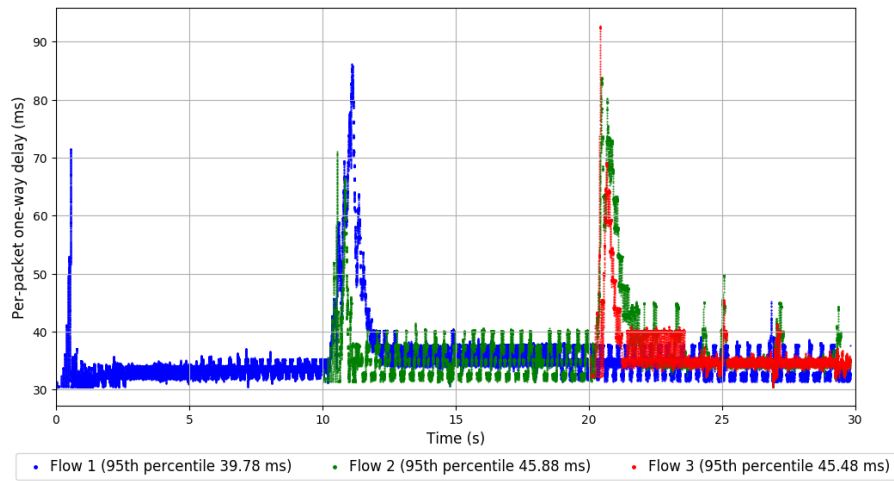
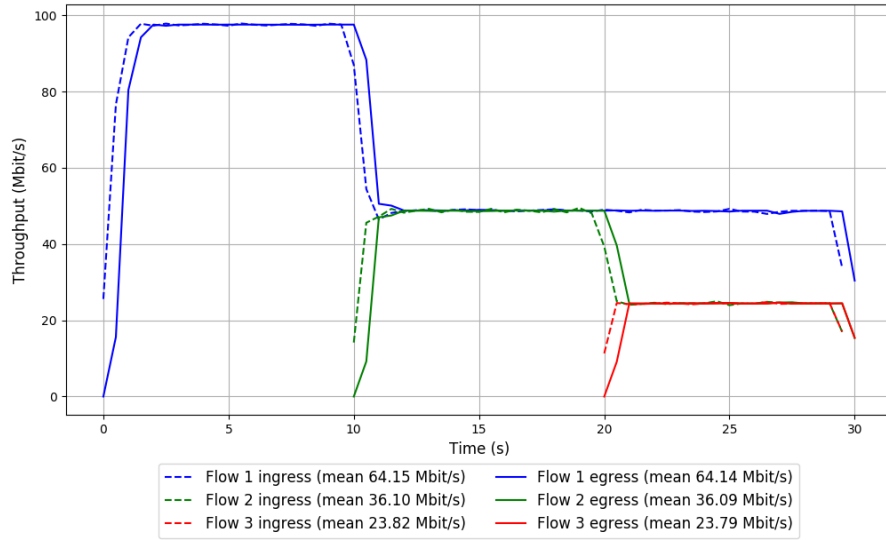
-- Flow 3:

Average throughput: 23.79 Mbit/s

95th percentile per-packet one-way delay: 45.475 ms

Loss rate: 0.78%

## Run 2: Report of Indigo — Data Link



Run 3: Statistics of Indigo

Start at: 2019-08-27 13:12:09

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

Local clock offset: -0.626 ms

Remote clock offset: 2.836 ms

# Below is generated by plot.py at 2019-08-27 14:48:31

# Datalink statistics

-- Total of 3 flows:

Average throughput: 95.83 Mbit/s

95th percentile per-packet one-way delay: 43.879 ms

Loss rate: 0.31%

-- Flow 1:

Average throughput: 56.51 Mbit/s

95th percentile per-packet one-way delay: 44.077 ms

Loss rate: 0.16%

-- Flow 2:

Average throughput: 36.12 Mbit/s

95th percentile per-packet one-way delay: 47.060 ms

Loss rate: 0.40%

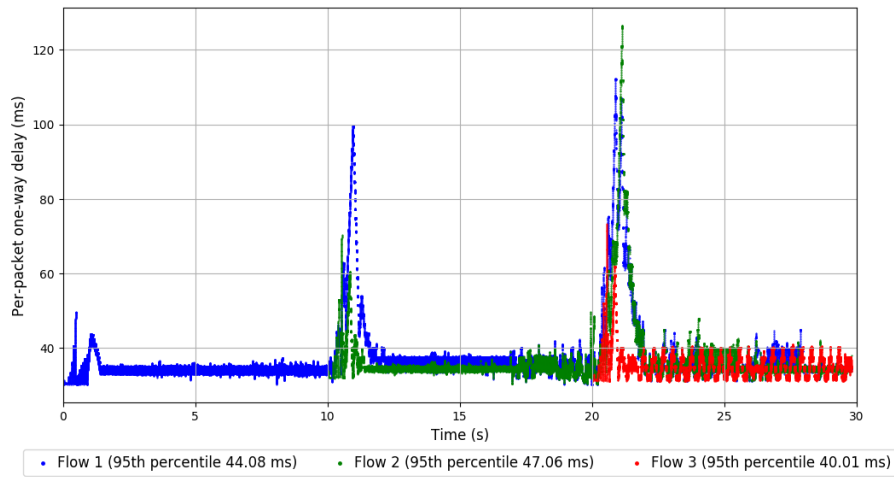
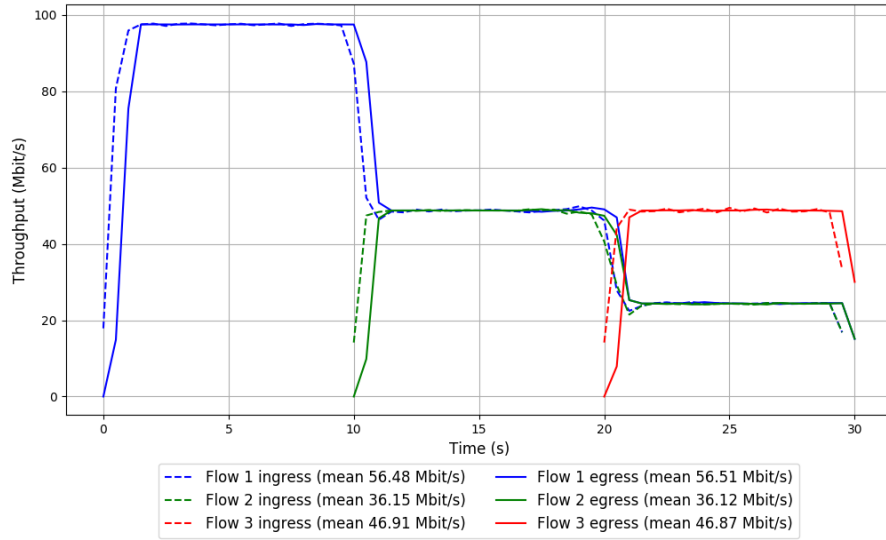
-- Flow 3:

Average throughput: 46.87 Mbit/s

95th percentile per-packet one-way delay: 40.006 ms

Loss rate: 0.72%

### Run 3: Report of Indigo — Data Link





Run 4: Statistics of Indigo

Start at: 2019-08-27 13:51:20

End at: 2019-08-27 13:51:50

Local clock offset: -0.68 ms

Remote clock offset: 6.637 ms

# Below is generated by plot.py at 2019-08-27 14:48:39

# Datalink statistics

-- Total of 3 flows:

Average throughput: 96.01 Mbit/s

95th percentile per-packet one-way delay: 43.136 ms

Loss rate: 0.29%

-- Flow 1:

Average throughput: 59.13 Mbit/s

95th percentile per-packet one-way delay: 44.973 ms

Loss rate: 0.20%

-- Flow 2:

Average throughput: 40.09 Mbit/s

95th percentile per-packet one-way delay: 40.898 ms

Loss rate: 0.31%

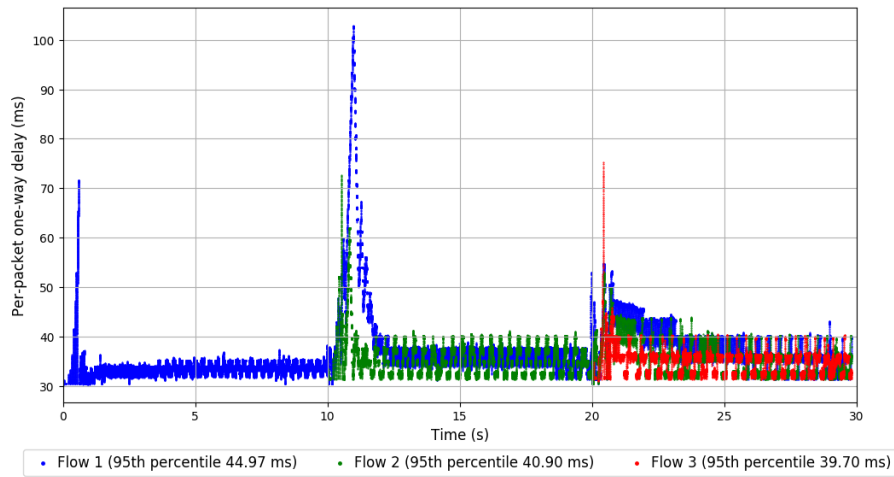
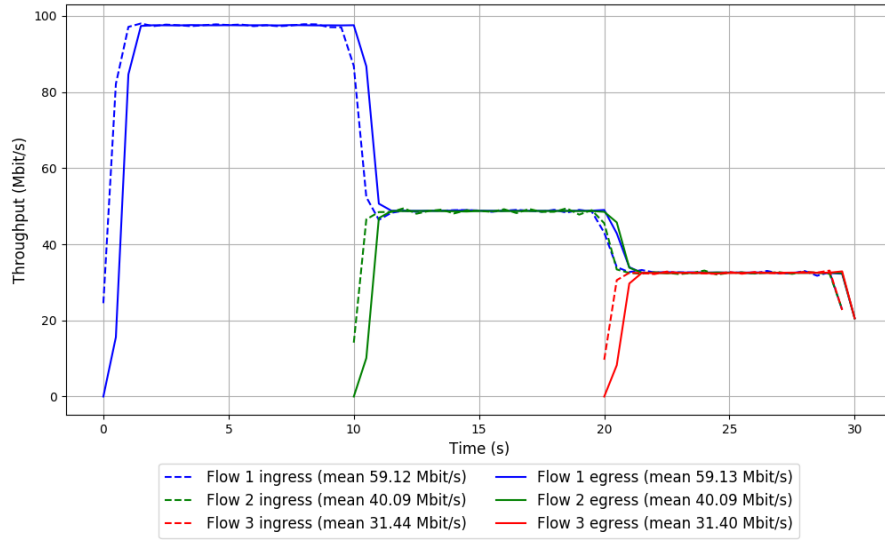
-- Flow 3:

Average throughput: 31.40 Mbit/s

95th percentile per-packet one-way delay: 39.695 ms

Loss rate: 0.78%

### Run 4: Report of Indigo — Data Link



Run 5: Statistics of Indigo

Start at: 2019-08-27 14:31:43

End at: 2019-08-27 14:32:13

Local clock offset: -0.464 ms

Remote clock offset: 3.787 ms

# Below is generated by plot.py at 2019-08-27 14:48:40

# Datalink statistics

-- Total of 3 flows:

Average throughput: 95.92 Mbit/s

95th percentile per-packet one-way delay: 42.657 ms

Loss rate: 0.28%

-- Flow 1:

Average throughput: 59.10 Mbit/s

95th percentile per-packet one-way delay: 43.723 ms

Loss rate: 0.19%

-- Flow 2:

Average throughput: 40.02 Mbit/s

95th percentile per-packet one-way delay: 42.431 ms

Loss rate: 0.32%

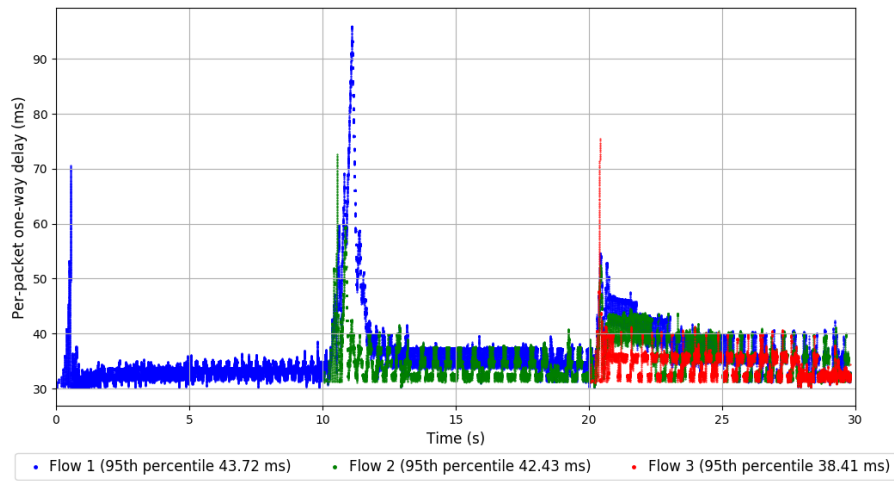
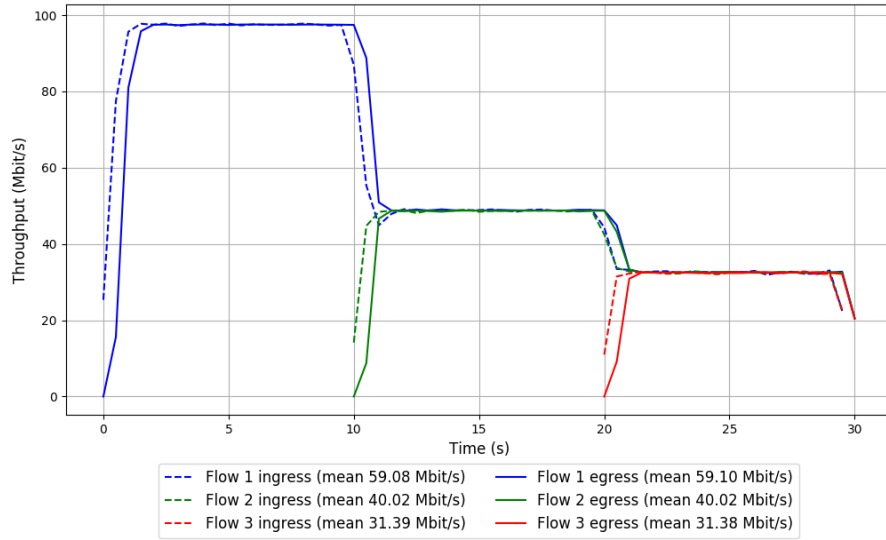
-- Flow 3:

Average throughput: 31.38 Mbit/s

95th percentile per-packet one-way delay: 38.408 ms

Loss rate: 0.70%

### Run 5: Report of Indigo — Data Link



Run 1: Statistics of Indigo-MusesC3

Start at: 2019-08-27 11:29:54

End at: 2019-08-27 11:30:24

Local clock offset: -0.501 ms

Remote clock offset: 4.933 ms

# Below is generated by plot.py at 2019-08-27 14:48:52

# Datalink statistics

-- Total of 3 flows:

Average throughput: 96.40 Mbit/s

95th percentile per-packet one-way delay: 64.057 ms

Loss rate: 0.38%

-- Flow 1:

Average throughput: 58.58 Mbit/s

95th percentile per-packet one-way delay: 58.394 ms

Loss rate: 0.22%

-- Flow 2:

Average throughput: 37.40 Mbit/s

95th percentile per-packet one-way delay: 74.638 ms

Loss rate: 0.47%

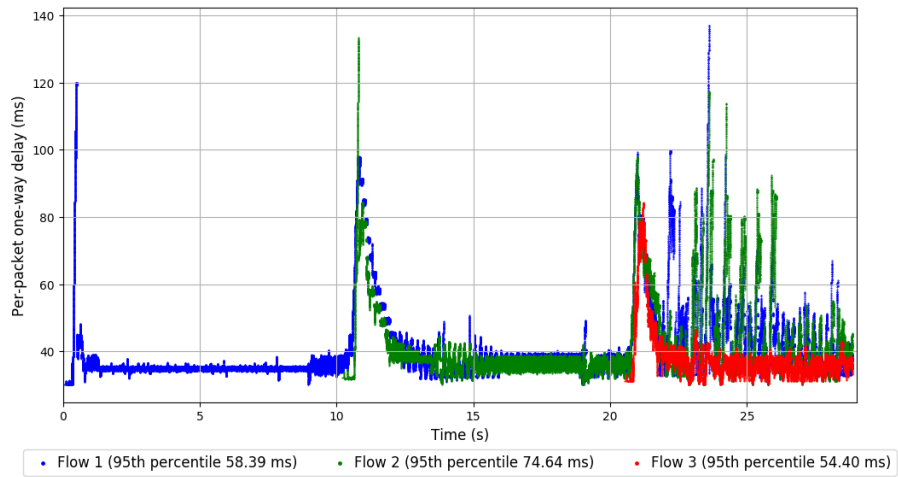
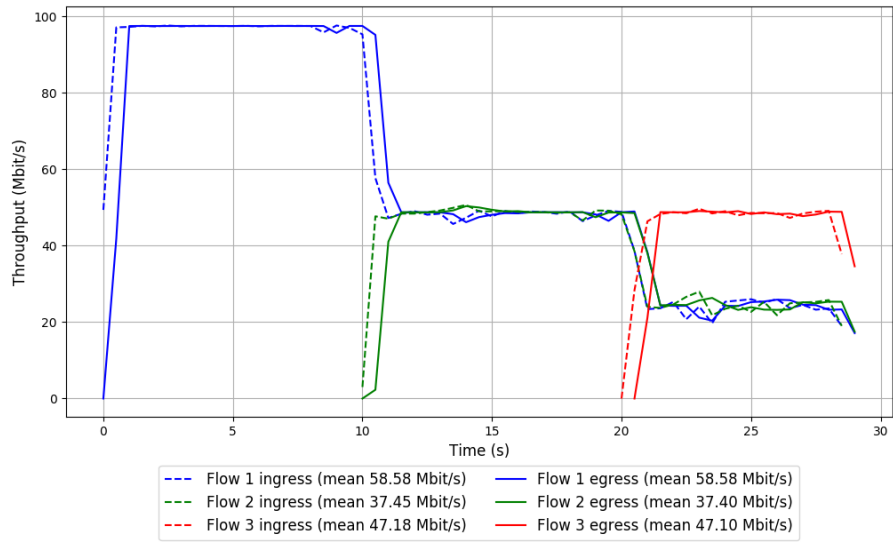
-- Flow 3:

Average throughput: 47.10 Mbit/s

95th percentile per-packet one-way delay: 54.397 ms

Loss rate: 0.93%

# Run 1: Report of Indigo-MusesC3 — Data Link



Run 2: Statistics of Indigo-MusesC3

Start at: 2019-08-27 12:07:30

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

Local clock offset: -0.575 ms

Remote clock offset: 6.179 ms

# Below is generated by plot.py at 2019-08-27 14:49:01

# Datalink statistics

-- Total of 3 flows:

Average throughput: 96.45 Mbit/s

95th percentile per-packet one-way delay: 65.964 ms

Loss rate: 0.39%

-- Flow 1:

Average throughput: 58.65 Mbit/s

95th percentile per-packet one-way delay: 58.714 ms

Loss rate: 0.21%

-- Flow 2:

Average throughput: 37.46 Mbit/s

95th percentile per-packet one-way delay: 77.667 ms

Loss rate: 0.49%

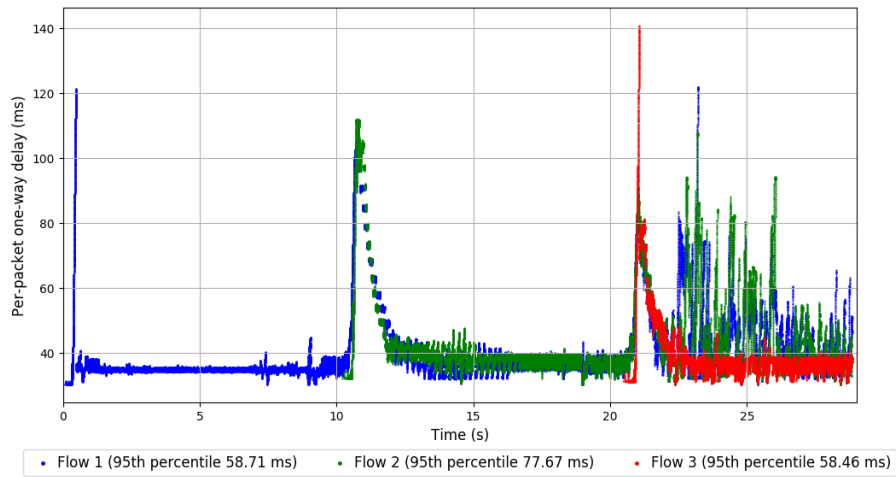
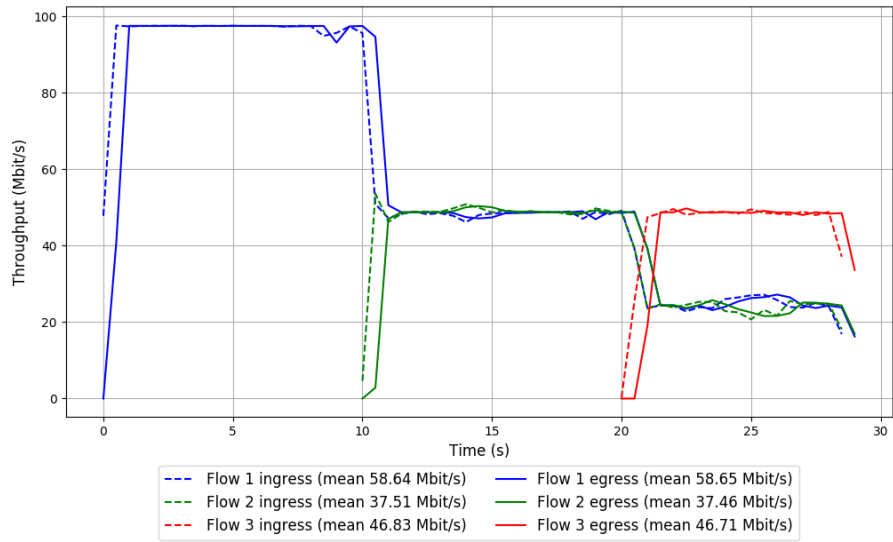
-- Flow 3:

Average throughput: 46.71 Mbit/s

95th percentile per-packet one-way delay: 58.463 ms

Loss rate: 1.02%

## Run 2: Report of Indigo-MusesC3 — Data Link





Run 3: Statistics of Indigo-MusesC3

Start at: 2019-08-27 12:46:33

End at: 2019-08-27 12:47:03

Local clock offset: -0.695 ms

Remote clock offset: 6.352 ms

# Below is generated by plot.py at 2019-08-27 14:49:06

# Datalink statistics

-- Total of 3 flows:

Average throughput: 96.35 Mbit/s

95th percentile per-packet one-way delay: 62.266 ms

Loss rate: 0.38%

-- Flow 1:

Average throughput: 58.55 Mbit/s

95th percentile per-packet one-way delay: 62.195 ms

Loss rate: 0.22%

-- Flow 2:

Average throughput: 48.14 Mbit/s

95th percentile per-packet one-way delay: 54.293 ms

Loss rate: 0.48%

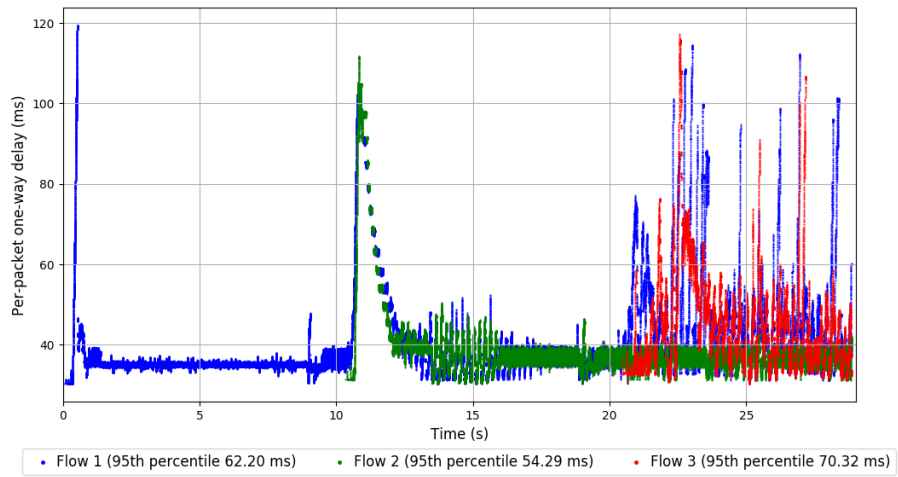
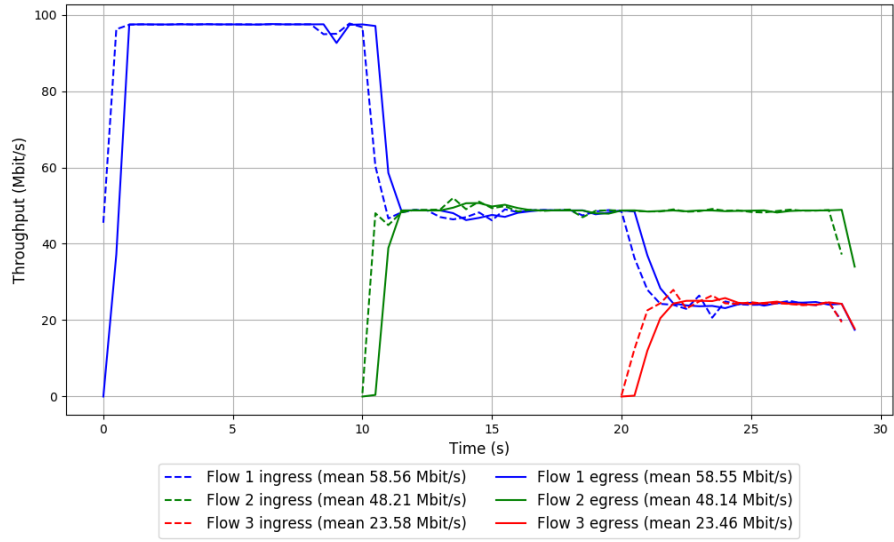
-- Flow 3:

Average throughput: 23.46 Mbit/s

95th percentile per-packet one-way delay: 70.319 ms

Loss rate: 1.33%

### Run 3: Report of Indigo-MusesC3 — Data Link



Run 4: Statistics of Indigo-MusesC3

Start at: 2019-08-27 13:24:39

End at: 2019-08-27 13:25:09

Local clock offset: -0.648 ms

Remote clock offset: 3.725 ms

# Below is generated by plot.py at 2019-08-27 14:49:07

# Datalink statistics

-- Total of 3 flows:

Average throughput: 96.46 Mbit/s

95th percentile per-packet one-way delay: 45.680 ms

Loss rate: 0.43%

-- Flow 1:

Average throughput: 60.89 Mbit/s

95th percentile per-packet one-way delay: 45.552 ms

Loss rate: 0.19%

-- Flow 2:

Average throughput: 41.50 Mbit/s

95th percentile per-packet one-way delay: 45.202 ms

Loss rate: 0.84%

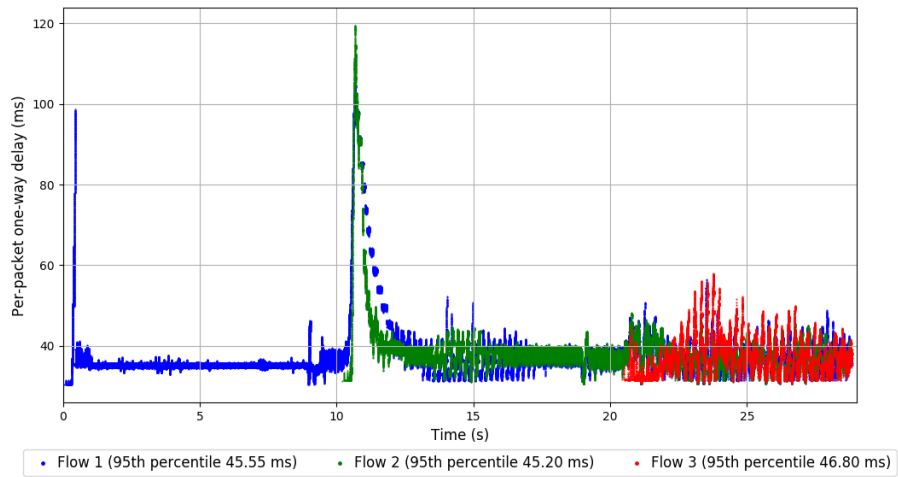
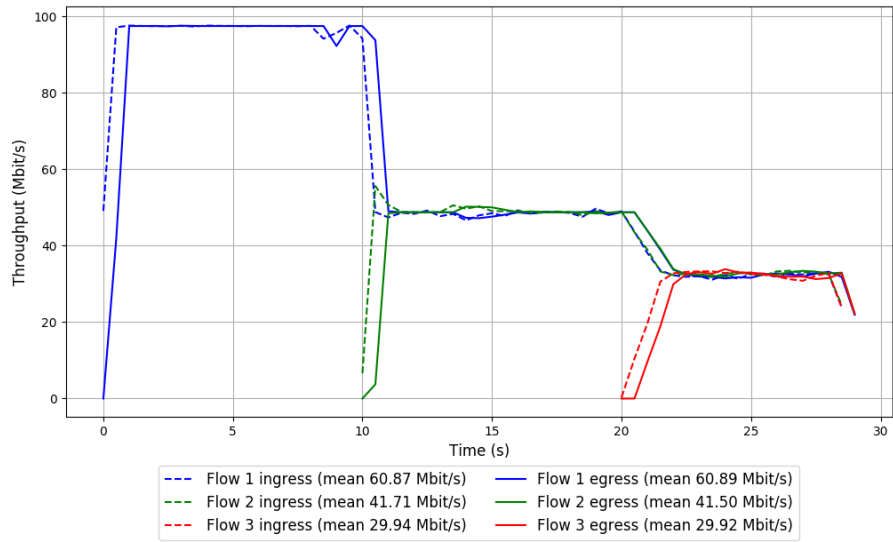
-- Flow 3:

Average throughput: 29.92 Mbit/s

95th percentile per-packet one-way delay: 46.798 ms

Loss rate: 0.87%

### Run 4: Report of Indigo-MusesC3 — Data Link



Run 5: Statistics of Indigo-MusesC3

Start at: 2019-08-27 14:03:27

End at: 2019-08-27 14:03:57

Local clock offset: -0.67 ms

Remote clock offset: 5.422 ms

# Below is generated by plot.py at 2019-08-27 14:49:14

# Datalink statistics

-- Total of 3 flows:

Average throughput: 96.49 Mbit/s

95th percentile per-packet one-way delay: 52.775 ms

Loss rate: 0.35%

-- Flow 1:

Average throughput: 65.40 Mbit/s

95th percentile per-packet one-way delay: 42.437 ms

Loss rate: 0.24%

-- Flow 2:

Average throughput: 38.25 Mbit/s

95th percentile per-packet one-way delay: 56.422 ms

Loss rate: 0.45%

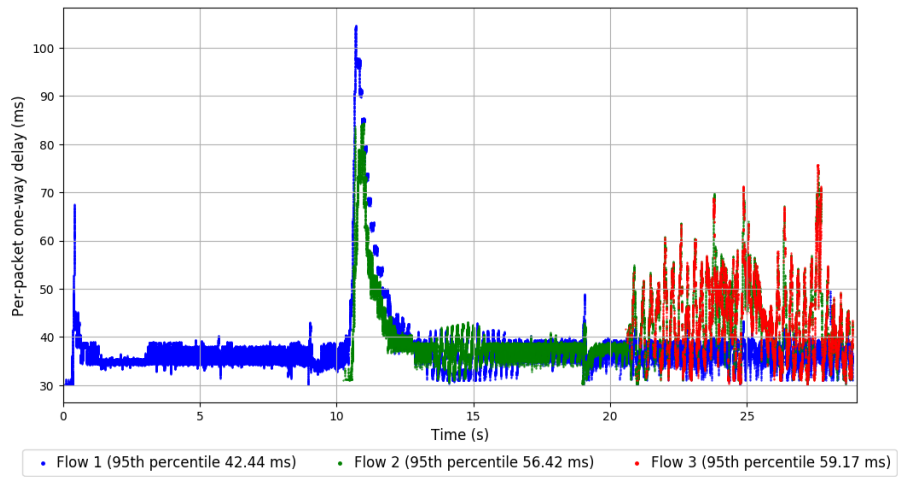
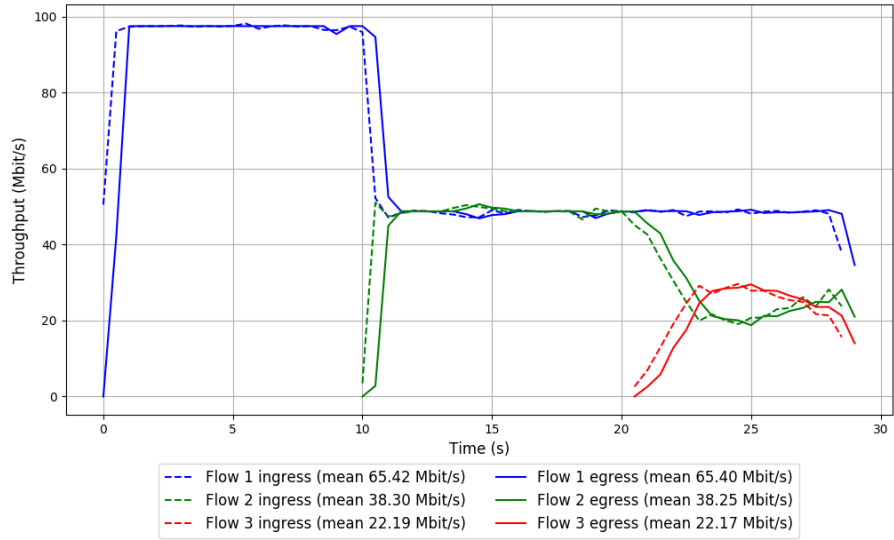
-- Flow 3:

Average throughput: 22.17 Mbit/s

95th percentile per-packet one-way delay: 59.173 ms

Loss rate: 0.97%

### Run 5: Report of Indigo-MusesC3 — Data Link



Run 1: Statistics of Indigo-MusesC5

Start at: 2019-08-27 11:49:04

End at: 2019-08-27 11:49:34

Local clock offset: -0.483 ms

Remote clock offset: 5.455 ms

# Below is generated by plot.py at 2019-08-27 14:49:44

# Datalink statistics

-- Total of 3 flows:

Average throughput: 95.72 Mbit/s

95th percentile per-packet one-way delay: 107.725 ms

Loss rate: 2.38%

-- Flow 1:

Average throughput: 57.28 Mbit/s

95th percentile per-packet one-way delay: 121.618 ms

Loss rate: 1.77%

-- Flow 2:

Average throughput: 47.40 Mbit/s

95th percentile per-packet one-way delay: 88.546 ms

Loss rate: 2.16%

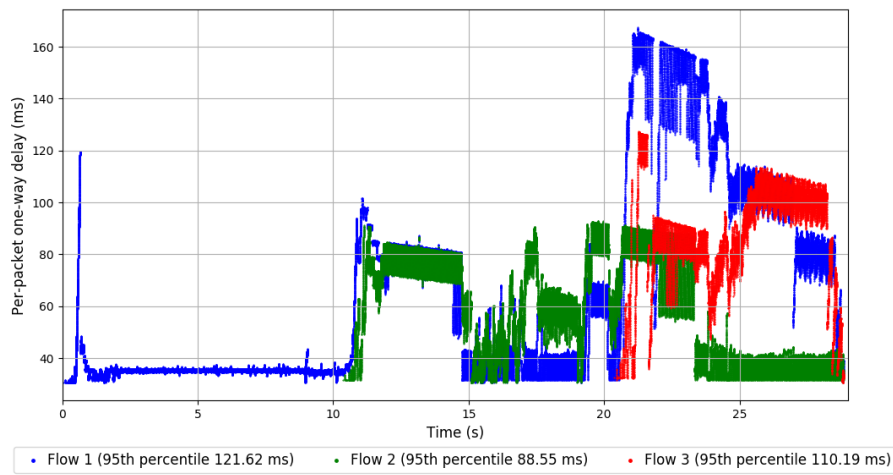
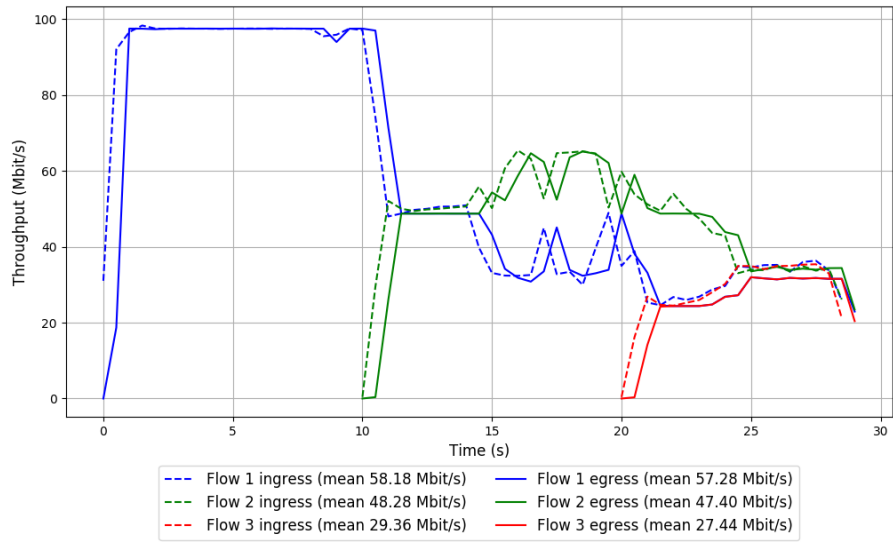
-- Flow 3:

Average throughput: 27.44 Mbit/s

95th percentile per-packet one-way delay: 110.193 ms

Loss rate: 7.26%

# Run 1: Report of Indigo-MusesC5 — Data Link





Run 2: Statistics of Indigo-MusesC5

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

End at: 2019-08-27 12:28:42

Local clock offset: -0.611 ms

Remote clock offset: 5.985 ms

# Below is generated by plot.py at 2019-08-27 14:49:51

# Datalink statistics

-- Total of 3 flows:

Average throughput: 96.10 Mbit/s

95th percentile per-packet one-way delay: 115.838 ms

Loss rate: 2.86%

-- Flow 1:

Average throughput: 58.13 Mbit/s

95th percentile per-packet one-way delay: 90.433 ms

Loss rate: 1.20%

-- Flow 2:

Average throughput: 44.95 Mbit/s

95th percentile per-packet one-way delay: 127.266 ms

Loss rate: 5.07%

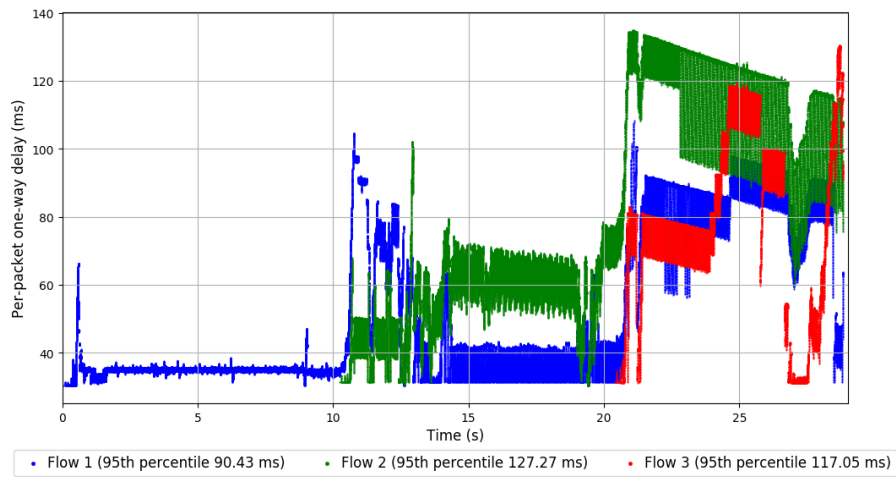
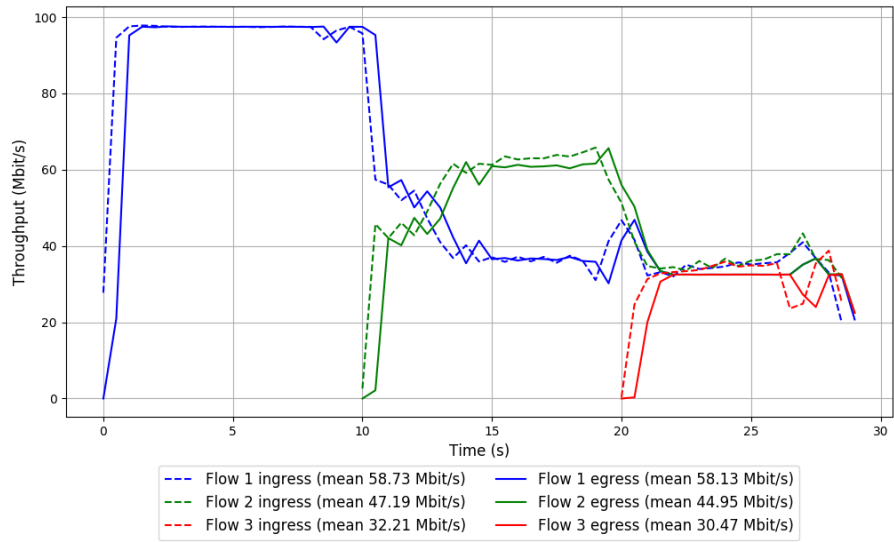
-- Flow 3:

Average throughput: 30.47 Mbit/s

95th percentile per-packet one-way delay: 117.053 ms

Loss rate: 6.08%

## Run 2: Report of Indigo-MusesC5 — Data Link



Run 3: Statistics of Indigo-MusesC5

Start at: 2019-08-27 13:05:38

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

Local clock offset: -0.646 ms

Remote clock offset: 3.246 ms

# Below is generated by plot.py at 2019-08-27 14:49:51

# Datalink statistics

-- Total of 3 flows:

Average throughput: 95.85 Mbit/s

95th percentile per-packet one-way delay: 113.744 ms

Loss rate: 3.08%

-- Flow 1:

Average throughput: 58.86 Mbit/s

95th percentile per-packet one-way delay: 89.995 ms

Loss rate: 1.70%

-- Flow 2:

Average throughput: 43.42 Mbit/s

95th percentile per-packet one-way delay: 123.199 ms

Loss rate: 4.44%

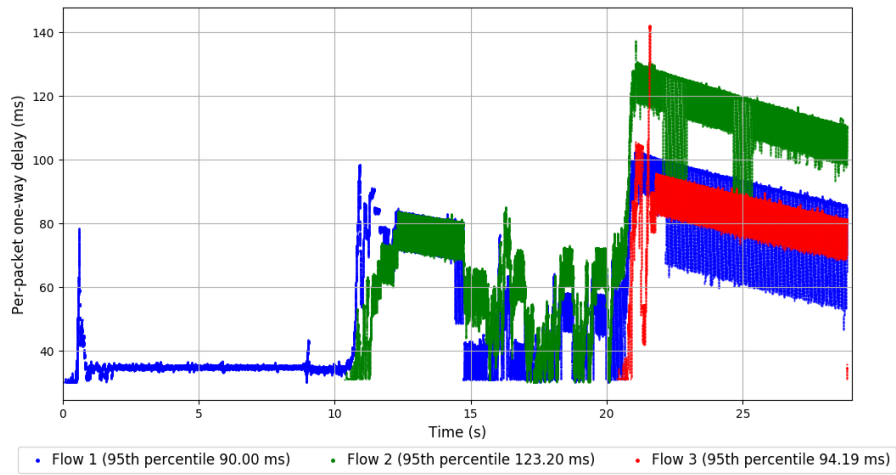
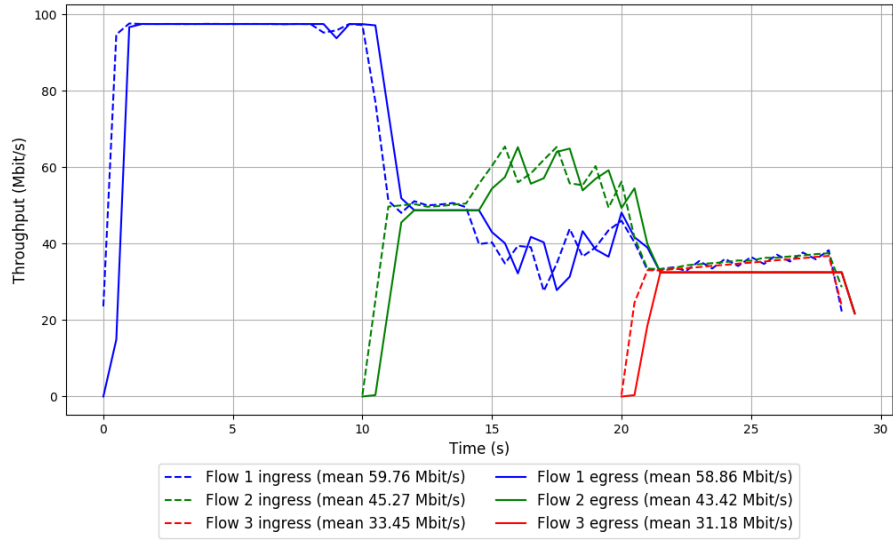
-- Flow 3:

Average throughput: 31.18 Mbit/s

95th percentile per-packet one-way delay: 94.192 ms

Loss rate: 7.46%

### Run 3: Report of Indigo-MusesC5 — Data Link



Run 4: Statistics of Indigo-MusesC5

Start at: 2019-08-27 13:44:27

End at: 2019-08-27 13:44:57

Local clock offset: -0.629 ms

Remote clock offset: 6.215 ms

# Below is generated by plot.py at 2019-08-27 14:50:04

# Datalink statistics

-- Total of 3 flows:

Average throughput: 95.48 Mbit/s

95th percentile per-packet one-way delay: 105.808 ms

Loss rate: 2.17%

-- Flow 1:

Average throughput: 60.35 Mbit/s

95th percentile per-packet one-way delay: 112.592 ms

Loss rate: 2.10%

-- Flow 2:

Average throughput: 39.94 Mbit/s

95th percentile per-packet one-way delay: 69.579 ms

Loss rate: 1.33%

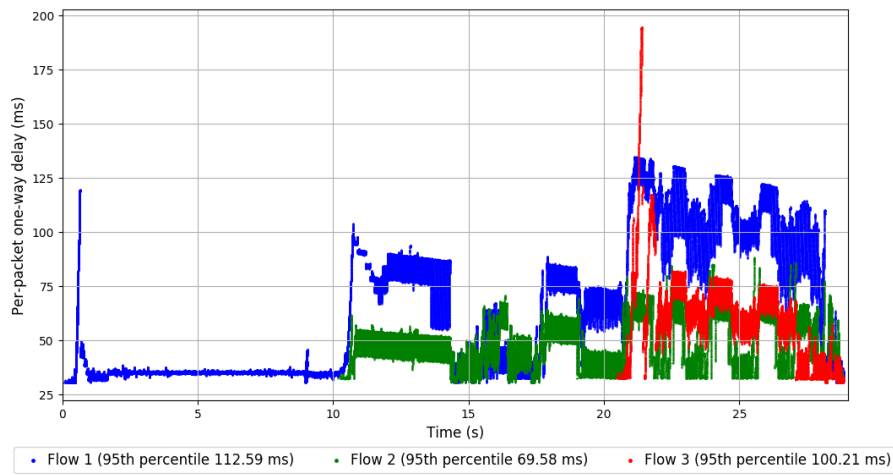
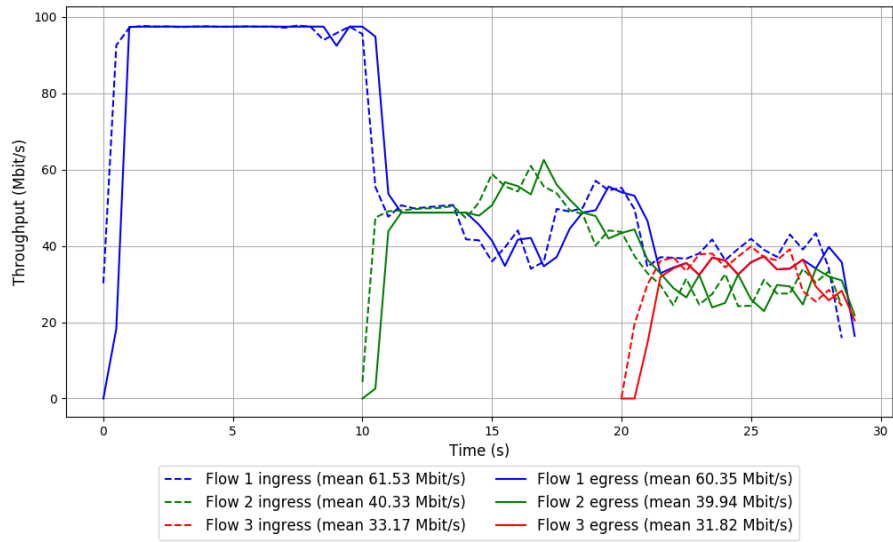
-- Flow 3:

Average throughput: 31.82 Mbit/s

95th percentile per-packet one-way delay: 100.211 ms

Loss rate: 4.80%

Run 4: Report of Indigo-MusesC5 — Data Link



Run 5: Statistics of Indigo-MusesC5

Start at: 2019-08-27 14:24:56

End at: 2019-08-27 14:25:26

Local clock offset: -0.456 ms

Remote clock offset: 3.74 ms

# Below is generated by plot.py at 2019-08-27 14:50:12

# Datalink statistics

-- Total of 3 flows:

Average throughput: 95.60 Mbit/s

95th percentile per-packet one-way delay: 127.767 ms

Loss rate: 2.46%

-- Flow 1:

Average throughput: 58.51 Mbit/s

95th percentile per-packet one-way delay: 124.078 ms

Loss rate: 1.21%

-- Flow 2:

Average throughput: 43.68 Mbit/s

95th percentile per-packet one-way delay: 133.350 ms

Loss rate: 3.91%

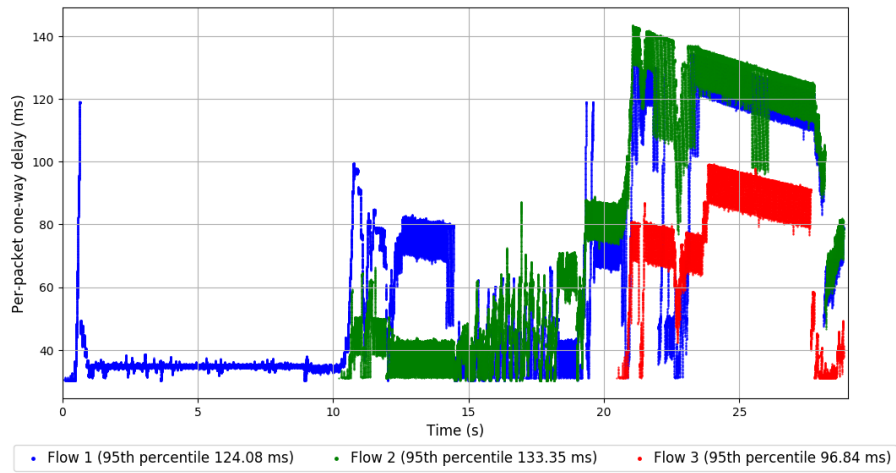
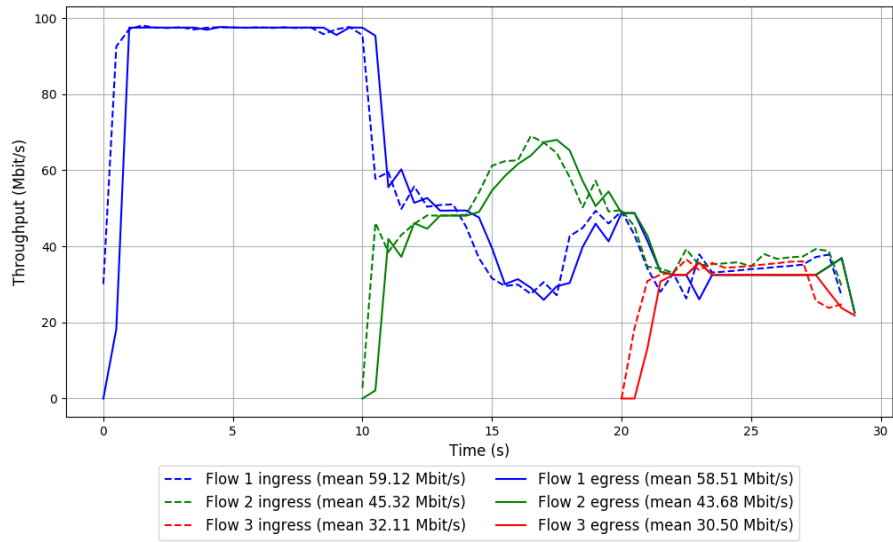
-- Flow 3:

Average throughput: 30.50 Mbit/s

95th percentile per-packet one-way delay: 96.842 ms

Loss rate: 5.73%

Run 5: Report of Indigo-MusesC5 — Data Link





Run 1: Statistics of Indigo-MusesD

Start at: 2019-08-27 11:35:40

End at: 2019-08-27 11:36:10

Local clock offset: -0.529 ms

Remote clock offset: 4.851 ms

# Below is generated by plot.py at 2019-08-27 14:50:18

# Datalink statistics

-- Total of 3 flows:

Average throughput: 96.11 Mbit/s

95th percentile per-packet one-way delay: 140.521 ms

Loss rate: 4.56%

-- Flow 1:

Average throughput: 61.62 Mbit/s

95th percentile per-packet one-way delay: 144.550 ms

Loss rate: 5.60%

-- Flow 2:

Average throughput: 38.55 Mbit/s

95th percentile per-packet one-way delay: 54.771 ms

Loss rate: 0.35%

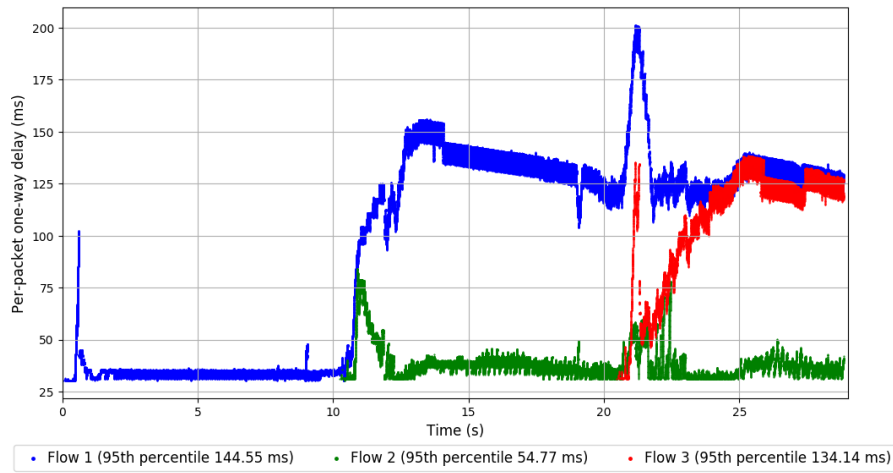
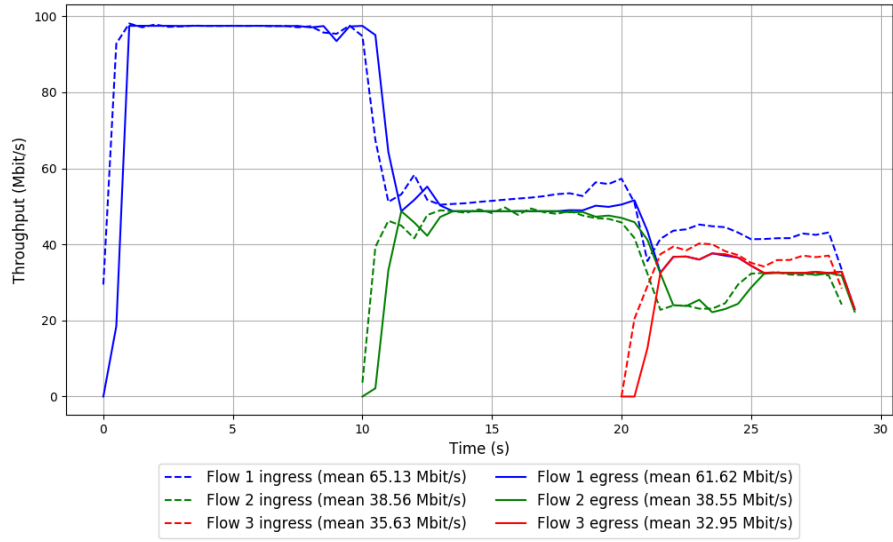
-- Flow 3:

Average throughput: 32.95 Mbit/s

95th percentile per-packet one-way delay: 134.137 ms

Loss rate: 8.15%

# Run 1: Report of Indigo-MusesD — Data Link



Run 2: Statistics of Indigo-MusesD

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

End at: 2019-08-27 12:13:58

Local clock offset: -0.572 ms

Remote clock offset: 6.547 ms

# Below is generated by plot.py at 2019-08-27 14:50:18

# Datalink statistics

-- Total of 3 flows:

Average throughput: 96.31 Mbit/s

95th percentile per-packet one-way delay: 144.873 ms

Loss rate: 2.66%

-- Flow 1:

Average throughput: 61.27 Mbit/s

95th percentile per-packet one-way delay: 150.412 ms

Loss rate: 3.84%

-- Flow 2:

Average throughput: 35.56 Mbit/s

95th percentile per-packet one-way delay: 83.747 ms

Loss rate: 0.50%

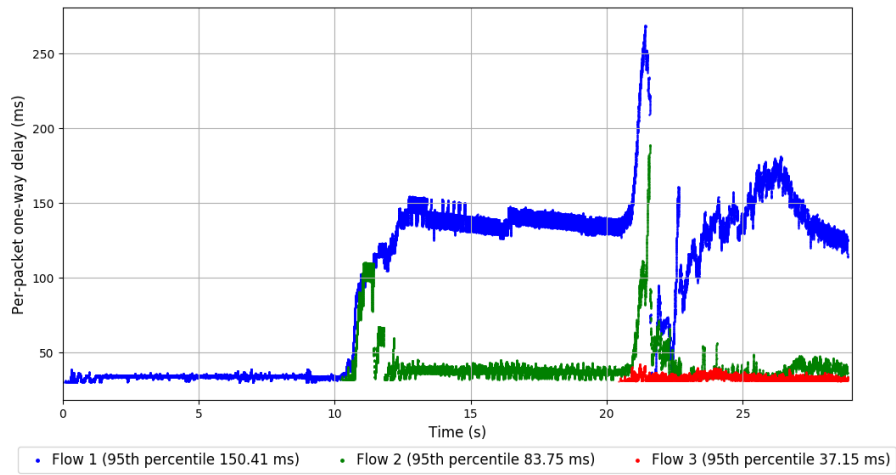
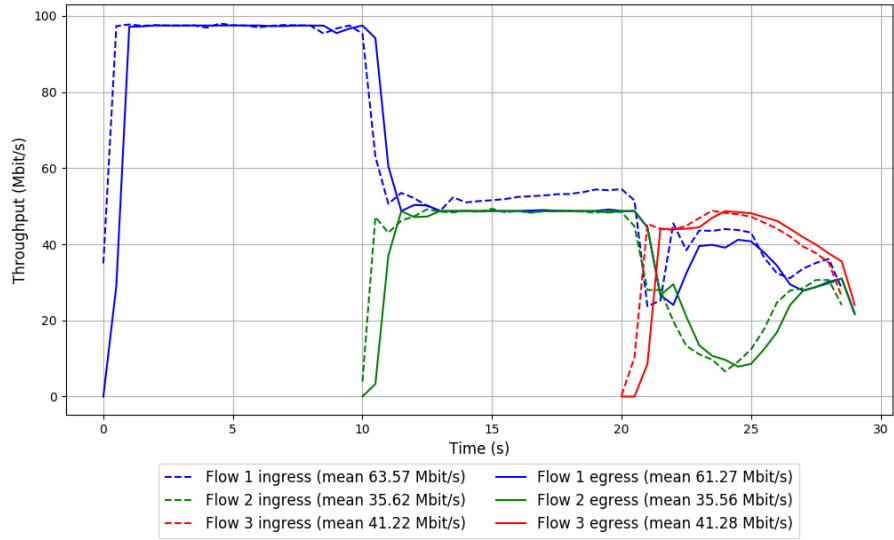
-- Flow 3:

Average throughput: 41.28 Mbit/s

95th percentile per-packet one-way delay: 37.153 ms

Loss rate: 0.62%

## Run 2: Report of Indigo-MusesD — Data Link



Run 3: Statistics of Indigo-MusesD

Start at: 2019-08-27 12:52:14

End at: 2019-08-27 12:52:44

Local clock offset: -0.634 ms

Remote clock offset: 4.72 ms

# Below is generated by plot.py at 2019-08-27 14:50:27

# Datalink statistics

-- Total of 3 flows:

Average throughput: 96.32 Mbit/s

95th percentile per-packet one-way delay: 153.785 ms

Loss rate: 7.11%

-- Flow 1:

Average throughput: 60.95 Mbit/s

95th percentile per-packet one-way delay: 148.134 ms

Loss rate: 5.70%

-- Flow 2:

Average throughput: 40.79 Mbit/s

95th percentile per-packet one-way delay: 161.276 ms

Loss rate: 12.04%

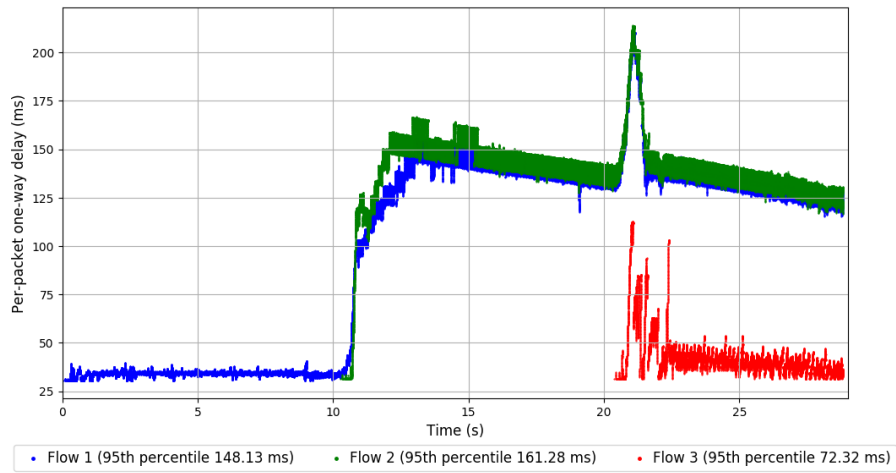
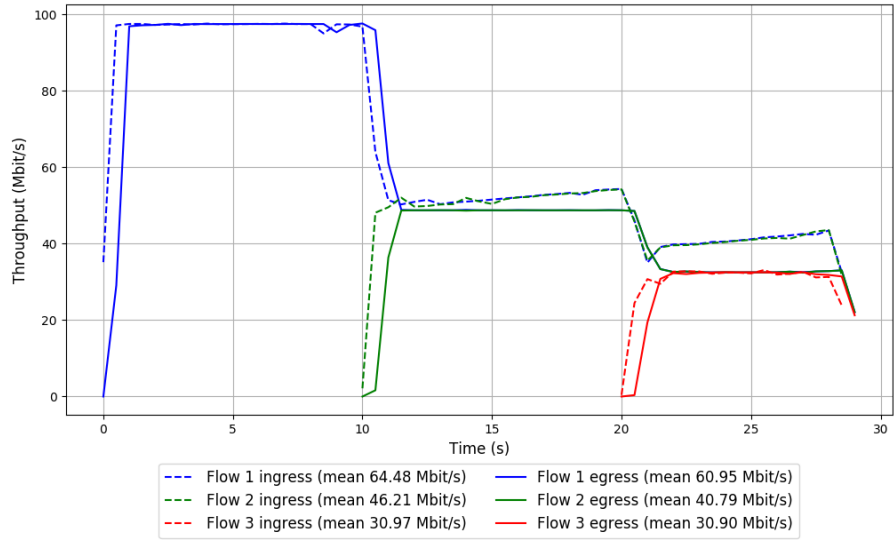
-- Flow 3:

Average throughput: 30.90 Mbit/s

95th percentile per-packet one-way delay: 72.317 ms

Loss rate: 1.00%

### Run 3: Report of Indigo-MusesD — Data Link



Run 4: Statistics of Indigo-MusesD

Start at: 2019-08-27 13:30:29

End at: 2019-08-27 13:30:59

Local clock offset: -0.671 ms

Remote clock offset: 4.806 ms

# Below is generated by plot.py at 2019-08-27 14:50:56

# Datalink statistics

-- Total of 3 flows:

Average throughput: 96.24 Mbit/s

95th percentile per-packet one-way delay: 141.686 ms

Loss rate: 5.08%

-- Flow 1:

Average throughput: 59.24 Mbit/s

95th percentile per-packet one-way delay: 141.511 ms

Loss rate: 5.44%

-- Flow 2:

Average throughput: 36.72 Mbit/s

95th percentile per-packet one-way delay: 100.361 ms

Loss rate: 3.33%

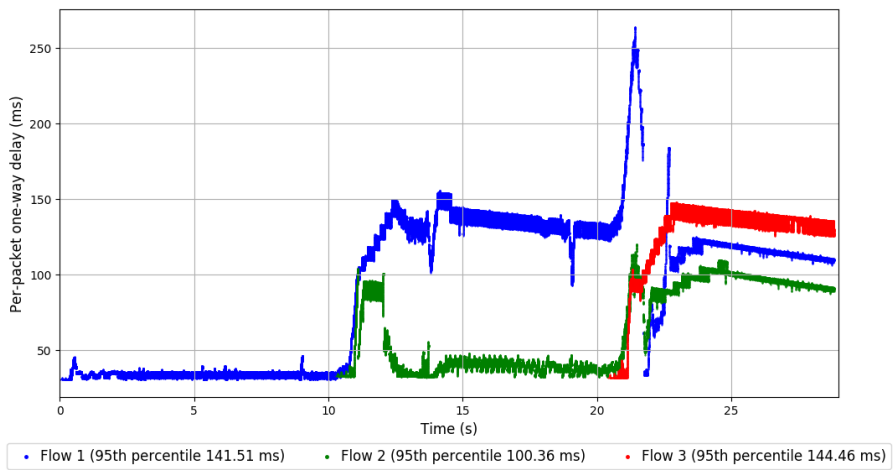
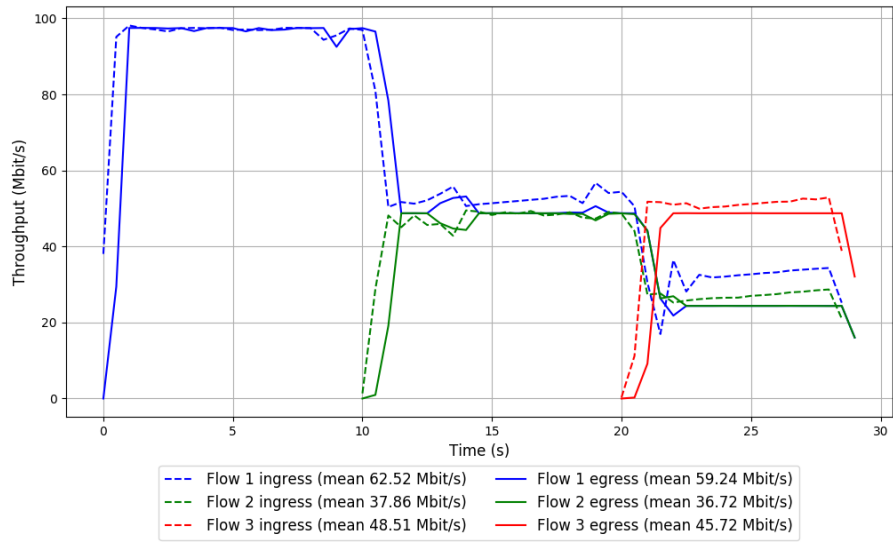
-- Flow 3:

Average throughput: 45.72 Mbit/s

95th percentile per-packet one-way delay: 144.462 ms

Loss rate: 6.48%

### Run 4: Report of Indigo-MusesD — Data Link





Run 5: Statistics of Indigo-MusesD

Start at: 2019-08-27 14:09:59

End at: 2019-08-27 14:10:29

Local clock offset: -0.624 ms

Remote clock offset: 4.592 ms

# Below is generated by plot.py at 2019-08-27 14:51:02

# Datalink statistics

-- Total of 3 flows:

Average throughput: 96.20 Mbit/s

95th percentile per-packet one-way delay: 142.688 ms

Loss rate: 3.77%

-- Flow 1:

Average throughput: 62.12 Mbit/s

95th percentile per-packet one-way delay: 144.984 ms

Loss rate: 5.41%

-- Flow 2:

Average throughput: 38.50 Mbit/s

95th percentile per-packet one-way delay: 72.512 ms

Loss rate: 0.46%

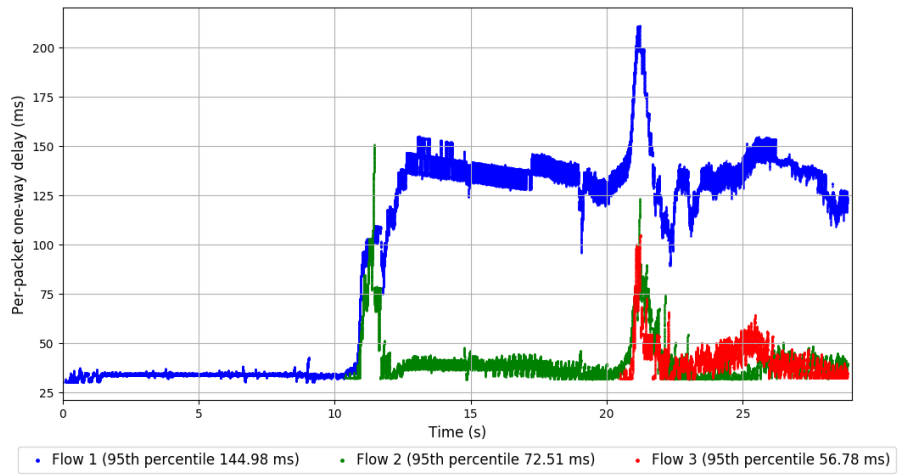
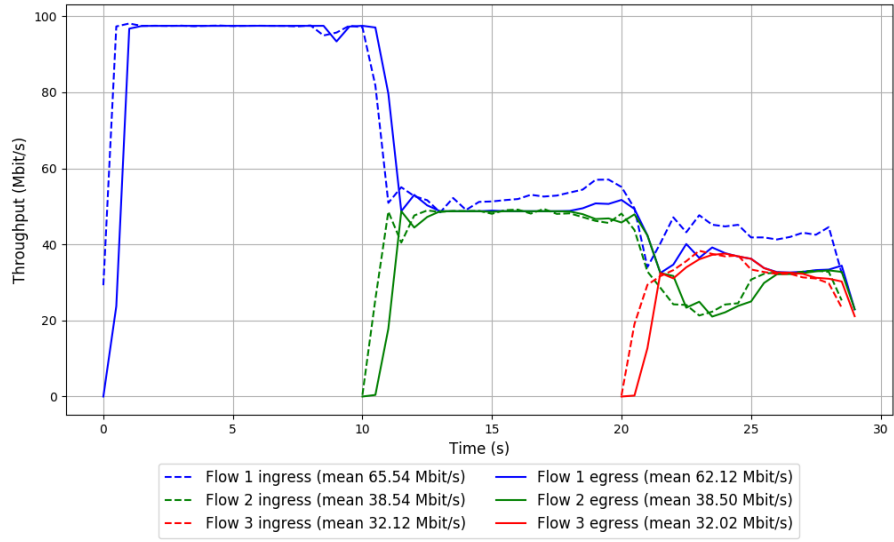
-- Flow 3:

Average throughput: 32.02 Mbit/s

95th percentile per-packet one-way delay: 56.777 ms

Loss rate: 1.08%

Run 5: Report of Indigo-MusesD — Data Link



Run 1: Statistics of Indigo-MuseST

Start at: 2019-08-27 11:40:43

End at: 2019-08-27 11:41:13

Local clock offset: -0.535 ms

Remote clock offset: 5.182 ms

# Below is generated by plot.py at 2019-08-27 14:51:03

# Datalink statistics

-- Total of 3 flows:

Average throughput: 96.45 Mbit/s

95th percentile per-packet one-way delay: 194.945 ms

Loss rate: 3.59%

-- Flow 1:

Average throughput: 61.10 Mbit/s

95th percentile per-packet one-way delay: 136.266 ms

Loss rate: 2.02%

-- Flow 2:

Average throughput: 41.20 Mbit/s

95th percentile per-packet one-way delay: 206.055 ms

Loss rate: 5.66%

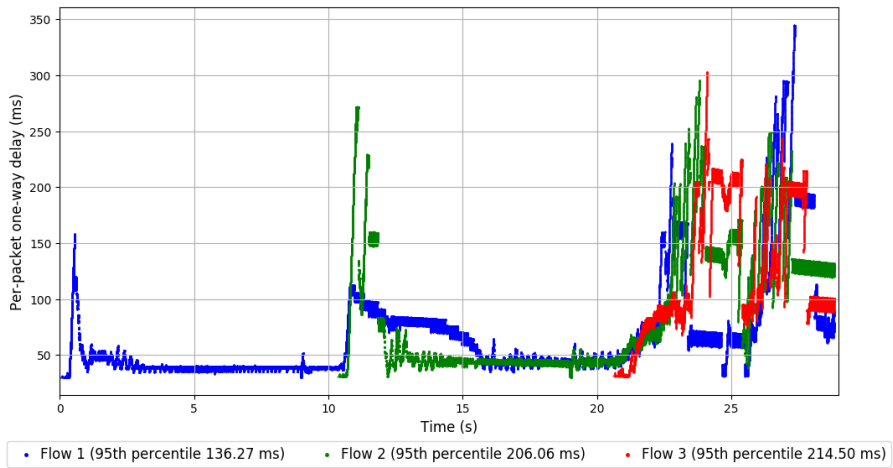
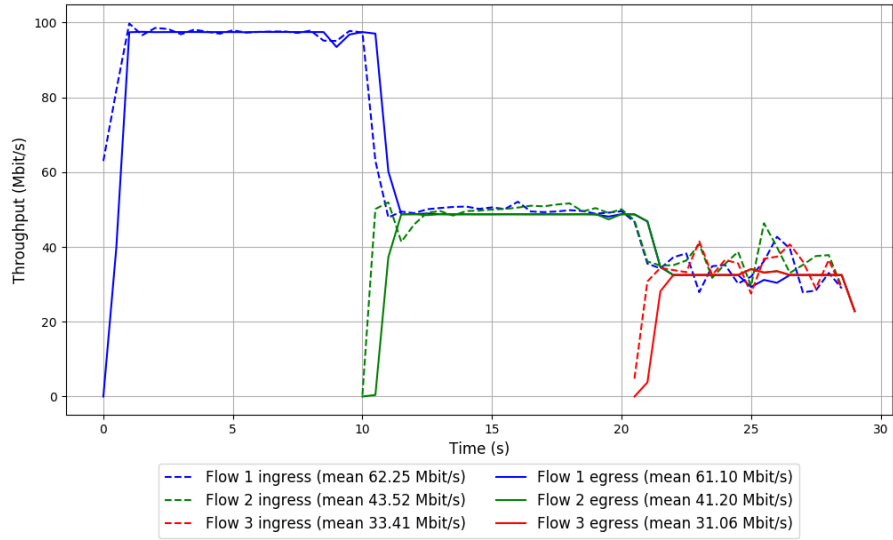
-- Flow 3:

Average throughput: 31.06 Mbit/s

95th percentile per-packet one-way delay: 214.502 ms

Loss rate: 7.76%

# Run 1: Report of Indigo-MusesT — Data Link



Run 2: Statistics of Indigo-MuseST

Start at: 2019-08-27 12:19:20

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

Local clock offset: -0.595 ms

Remote clock offset: 6.048 ms

# Below is generated by plot.py at 2019-08-27 14:51:16

# Datalink statistics

-- Total of 3 flows:

Average throughput: 96.50 Mbit/s

95th percentile per-packet one-way delay: 198.513 ms

Loss rate: 3.03%

-- Flow 1:

Average throughput: 61.00 Mbit/s

95th percentile per-packet one-way delay: 166.855 ms

Loss rate: 1.34%

-- Flow 2:

Average throughput: 40.90 Mbit/s

95th percentile per-packet one-way delay: 208.731 ms

Loss rate: 6.10%

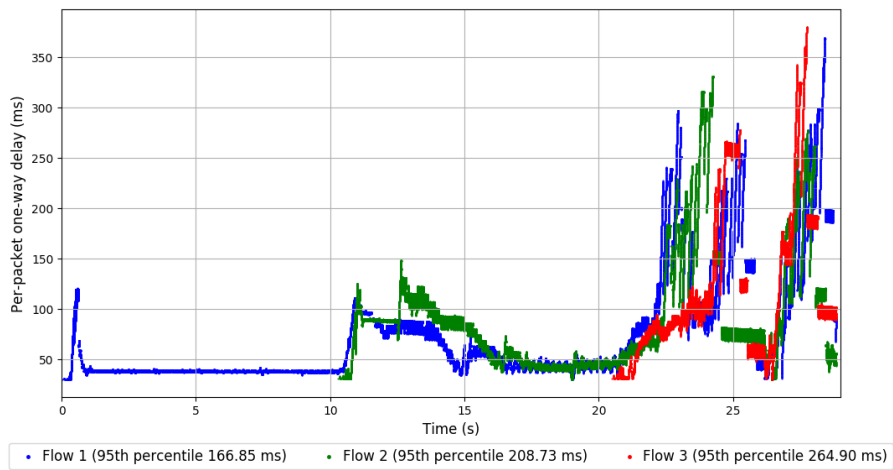
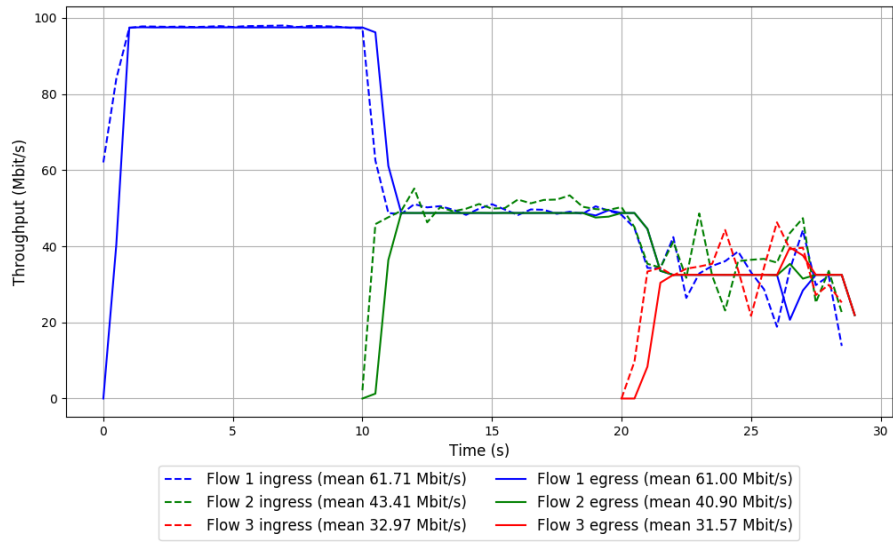
-- Flow 3:

Average throughput: 31.57 Mbit/s

95th percentile per-packet one-way delay: 264.904 ms

Loss rate: 4.98%

## Run 2: Report of Indigo-MusesT — Data Link



Run 3: Statistics of Indigo-MuseST

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

End at: 2019-08-27 12:57:49

Local clock offset: -0.642 ms

Remote clock offset: 4.072 ms

# Below is generated by plot.py at 2019-08-27 14:51:25

# Datalink statistics

-- Total of 3 flows:

Average throughput: 96.45 Mbit/s

95th percentile per-packet one-way delay: 140.190 ms

Loss rate: 3.32%

-- Flow 1:

Average throughput: 58.77 Mbit/s

95th percentile per-packet one-way delay: 136.054 ms

Loss rate: 2.10%

-- Flow 2:

Average throughput: 47.79 Mbit/s

95th percentile per-packet one-way delay: 87.233 ms

Loss rate: 4.46%

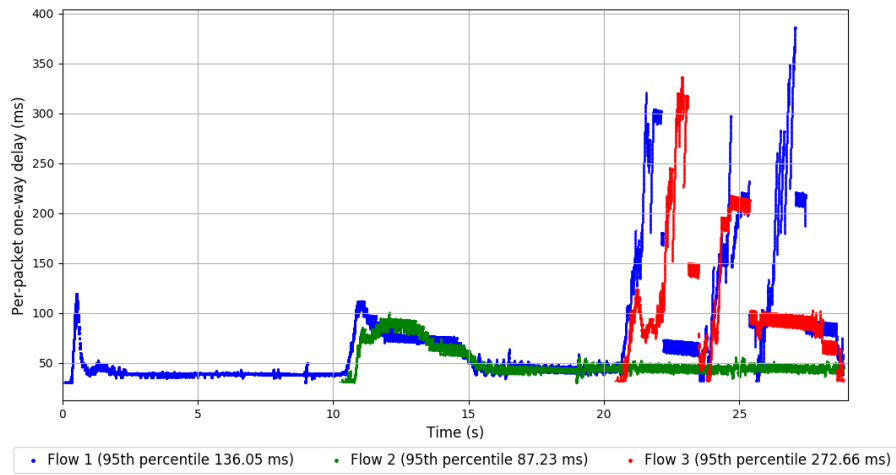
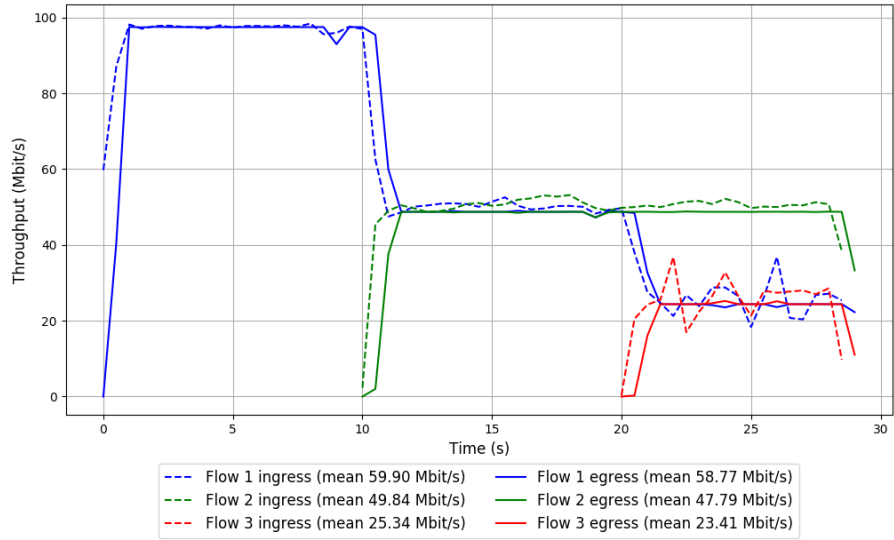
-- Flow 3:

Average throughput: 23.41 Mbit/s

95th percentile per-packet one-way delay: 272.664 ms

Loss rate: 8.25%

### Run 3: Report of Indigo-MusesT — Data Link





Run 4: Statistics of Indigo-MuseST

Start at: 2019-08-27 13:35:33

End at: 2019-08-27 13:36:03

Local clock offset: -0.644 ms

Remote clock offset: 5.425 ms

# Below is generated by plot.py at 2019-08-27 14:51:30

# Datalink statistics

-- Total of 3 flows:

Average throughput: 96.53 Mbit/s

95th percentile per-packet one-way delay: 200.056 ms

Loss rate: 3.86%

-- Flow 1:

Average throughput: 60.94 Mbit/s

95th percentile per-packet one-way delay: 157.480 ms

Loss rate: 2.22%

-- Flow 2:

Average throughput: 40.67 Mbit/s

95th percentile per-packet one-way delay: 195.172 ms

Loss rate: 6.03%

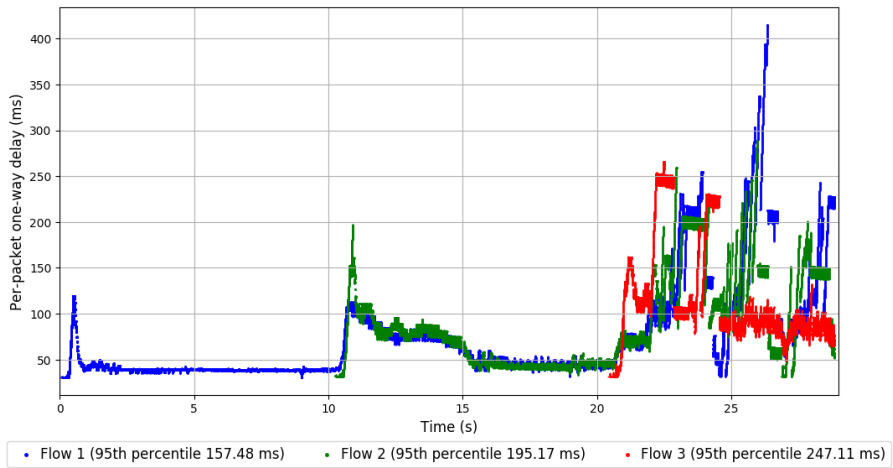
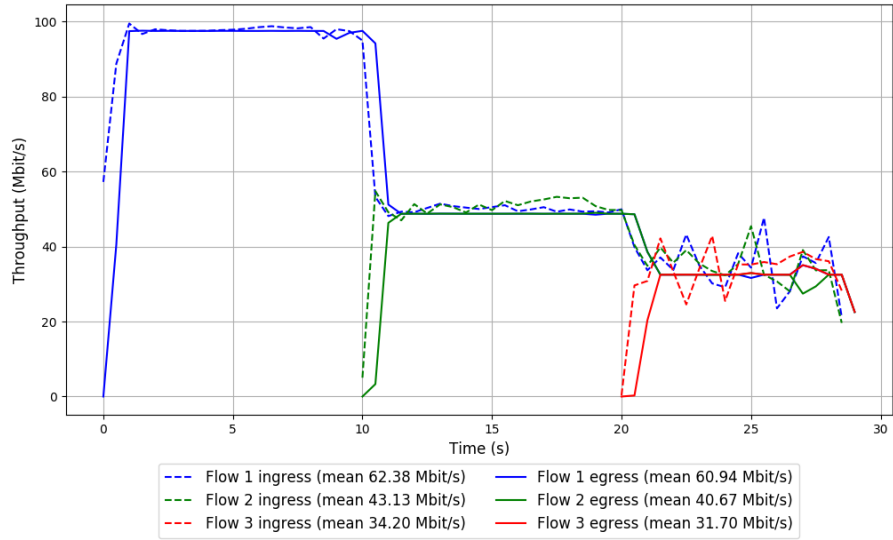
-- Flow 3:

Average throughput: 31.70 Mbit/s

95th percentile per-packet one-way delay: 247.113 ms

Loss rate: 7.98%

### Run 4: Report of Indigo-MusesT — Data Link



Run 5: Statistics of Indigo-MuseST

Start at: 2019-08-27 14:15:24

End at: 2019-08-27 14:15:54

Local clock offset: -0.551 ms

Remote clock offset: 4.224 ms

# Below is generated by plot.py at 2019-08-27 14:51:31

# Datalink statistics

-- Total of 3 flows:

Average throughput: 96.50 Mbit/s

95th percentile per-packet one-way delay: 149.464 ms

Loss rate: 4.49%

-- Flow 1:

Average throughput: 60.98 Mbit/s

95th percentile per-packet one-way delay: 107.569 ms

Loss rate: 2.85%

-- Flow 2:

Average throughput: 40.71 Mbit/s

95th percentile per-packet one-way delay: 195.025 ms

Loss rate: 6.78%

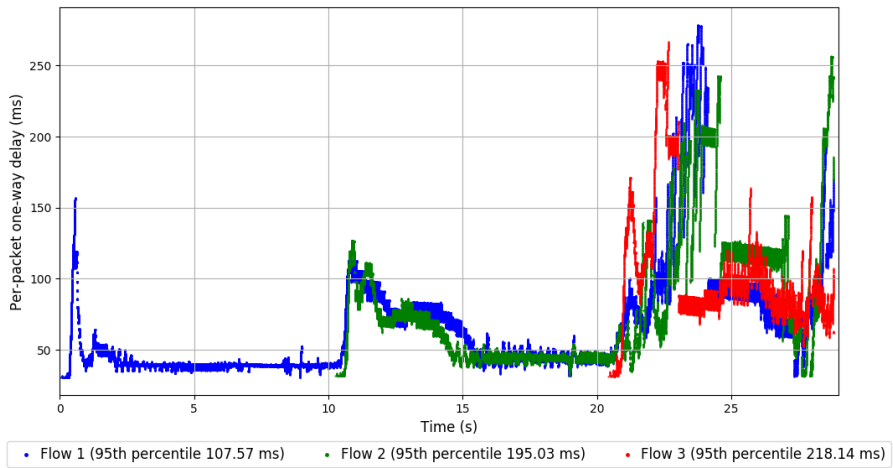
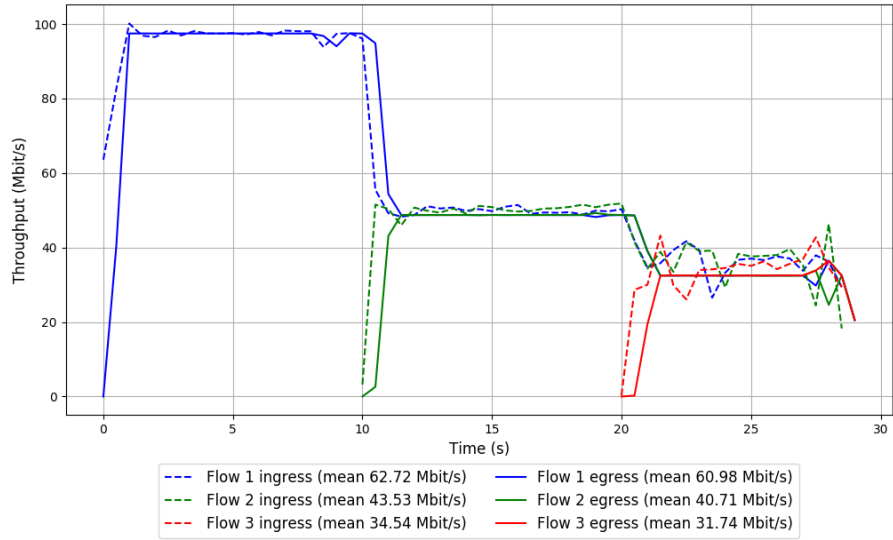
-- Flow 3:

Average throughput: 31.74 Mbit/s

95th percentile per-packet one-way delay: 218.142 ms

Loss rate: 8.32%

Run 5: Report of Indigo-MusesT — Data Link



Run 1: Statistics of LEDBAT

Start at: 2019-08-27 11:34:13

End at: 2019-08-27 11:34:43

Local clock offset: -0.513 ms

Remote clock offset: 4.844 ms

# Below is generated by plot.py at 2019-08-27 14:51:31

# Datalink statistics

-- Total of 3 flows:

Average throughput: 68.47 Mbit/s

95th percentile per-packet one-way delay: 39.175 ms

Loss rate: 0.30%

-- Flow 1:

Average throughput: 40.18 Mbit/s

95th percentile per-packet one-way delay: 39.168 ms

Loss rate: 0.13%

-- Flow 2:

Average throughput: 31.16 Mbit/s

95th percentile per-packet one-way delay: 39.039 ms

Loss rate: 0.38%

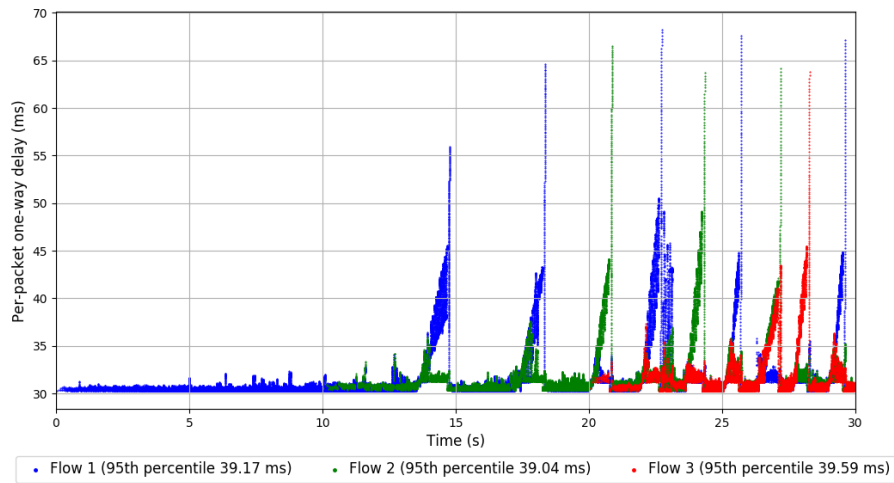
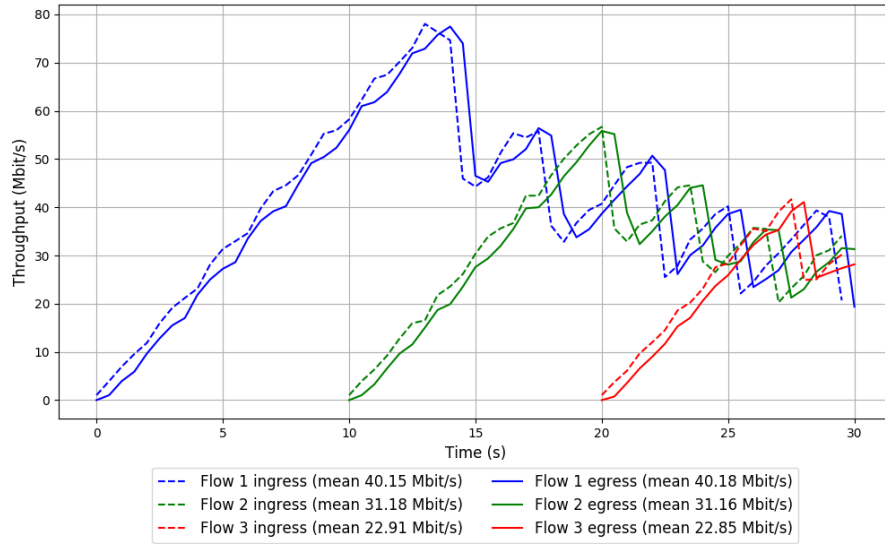
-- Flow 3:

Average throughput: 22.85 Mbit/s

95th percentile per-packet one-way delay: 39.586 ms

Loss rate: 0.92%

Run 1: Report of LEDBAT — Data Link



Run 2: Statistics of LEDBAT

Start at: 2019-08-27 12:11:52

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

Local clock offset: -0.602 ms

Remote clock offset: 6.446 ms

# Below is generated by plot.py at 2019-08-27 14:51:52

# Datalink statistics

-- Total of 3 flows:

Average throughput: 68.66 Mbit/s

95th percentile per-packet one-way delay: 38.252 ms

Loss rate: 0.33%

-- Flow 1:

Average throughput: 38.95 Mbit/s

95th percentile per-packet one-way delay: 38.719 ms

Loss rate: 0.17%

-- Flow 2:

Average throughput: 34.97 Mbit/s

95th percentile per-packet one-way delay: 36.423 ms

Loss rate: 0.50%

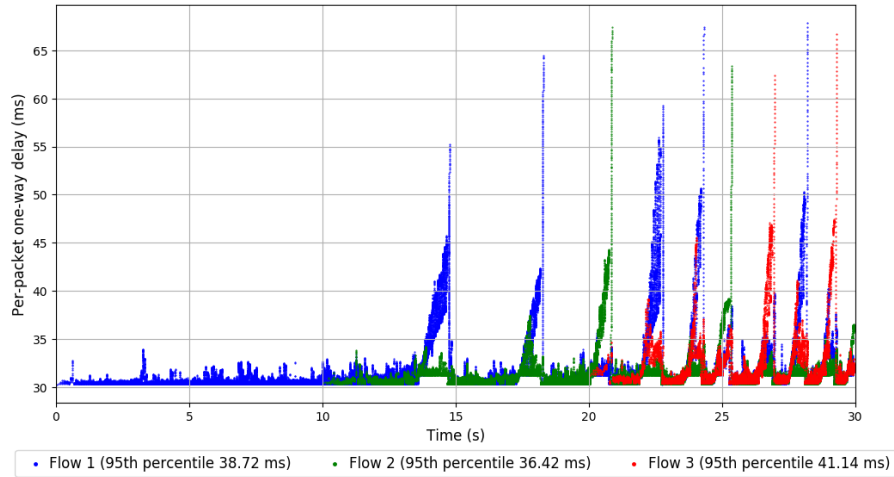
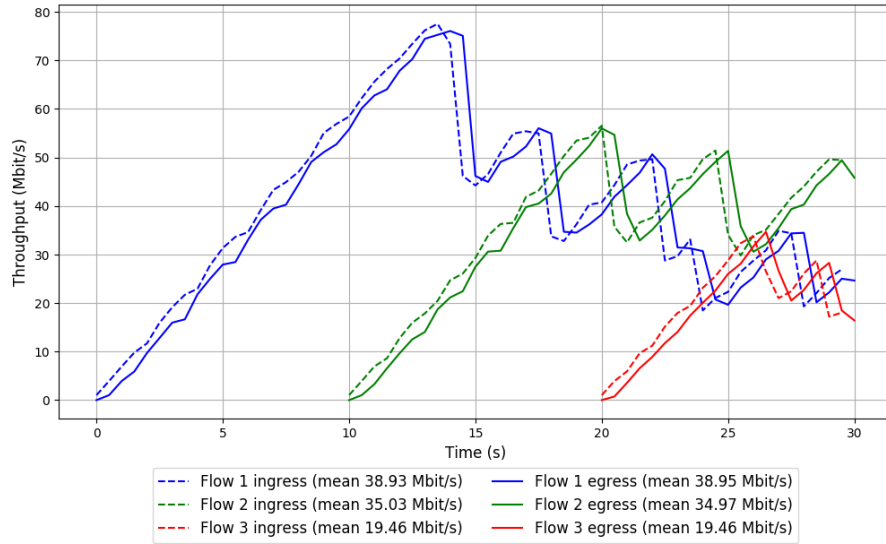
-- Flow 3:

Average throughput: 19.46 Mbit/s

95th percentile per-packet one-way delay: 41.144 ms

Loss rate: 0.67%

## Run 2: Report of LEDBAT — Data Link





Run 3: Statistics of LEDBAT

Start at: 2019-08-27 12:50:44

End at: 2019-08-27 12:51:14

Local clock offset: -0.655 ms

Remote clock offset: 5.263 ms

# Below is generated by plot.py at 2019-08-27 14:51:57

# Datalink statistics

-- Total of 3 flows:

Average throughput: 68.61 Mbit/s

95th percentile per-packet one-way delay: 37.995 ms

Loss rate: 0.33%

-- Flow 1:

Average throughput: 39.32 Mbit/s

95th percentile per-packet one-way delay: 37.933 ms

Loss rate: 0.15%

-- Flow 2:

Average throughput: 30.34 Mbit/s

95th percentile per-packet one-way delay: 40.352 ms

Loss rate: 0.21%

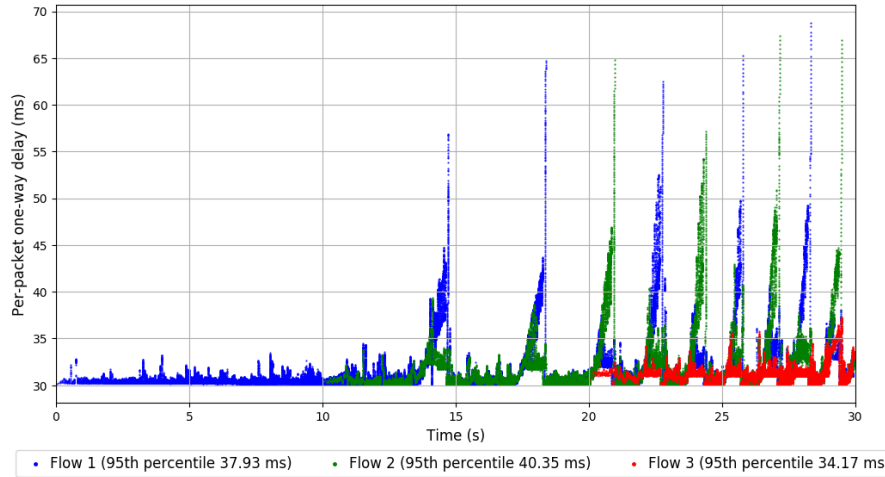
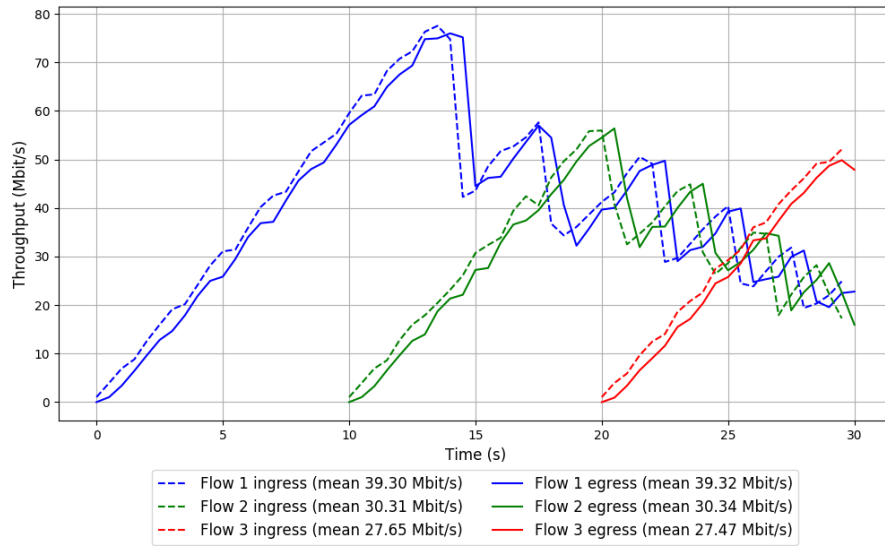
-- Flow 3:

Average throughput: 27.47 Mbit/s

95th percentile per-packet one-way delay: 34.173 ms

Loss rate: 1.31%

### Run 3: Report of LEDBAT — Data Link



Run 4: Statistics of LEDBAT

Start at: 2019-08-27 13:28:52

End at: 2019-08-27 13:29:22

Local clock offset: -0.657 ms

Remote clock offset: 4.672 ms

# Below is generated by plot.py at 2019-08-27 14:51:57

# Datalink statistics

-- Total of 3 flows:

Average throughput: 67.92 Mbit/s

95th percentile per-packet one-way delay: 39.077 ms

Loss rate: 0.31%

-- Flow 1:

Average throughput: 40.22 Mbit/s

95th percentile per-packet one-way delay: 38.545 ms

Loss rate: 0.14%

-- Flow 2:

Average throughput: 30.89 Mbit/s

95th percentile per-packet one-way delay: 40.551 ms

Loss rate: 0.38%

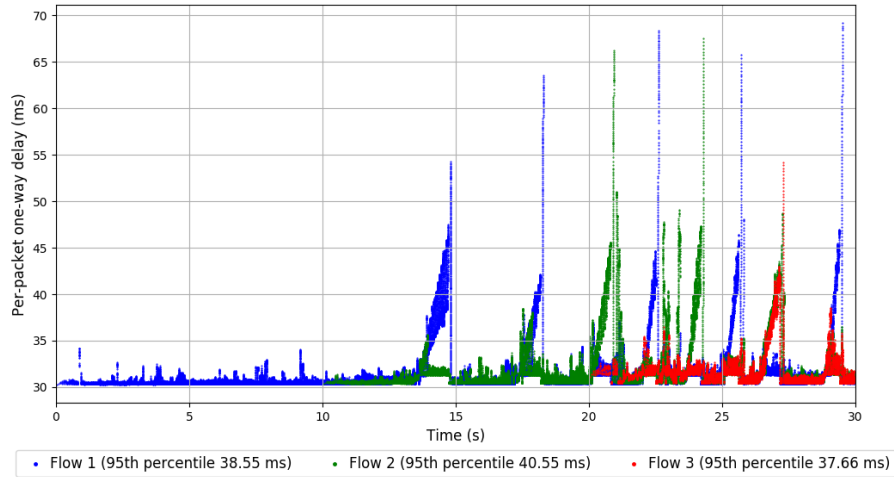
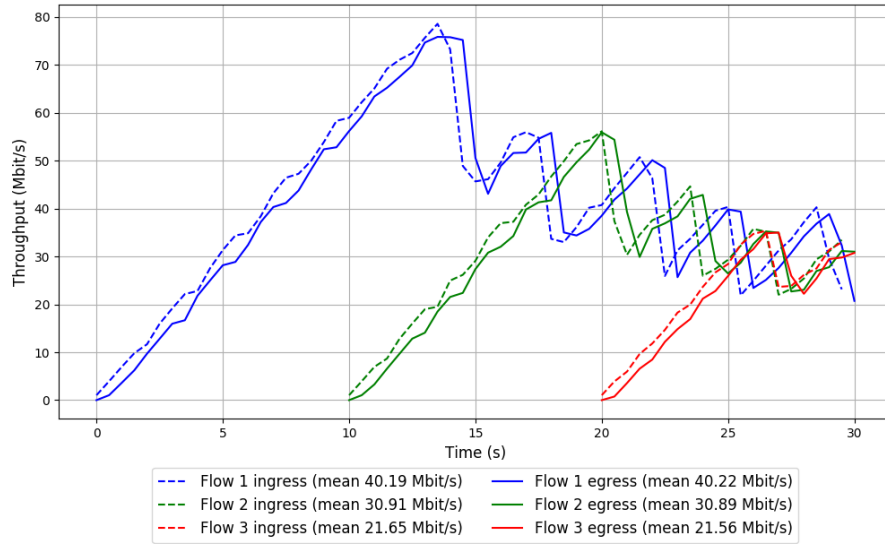
-- Flow 3:

Average throughput: 21.56 Mbit/s

95th percentile per-packet one-way delay: 37.660 ms

Loss rate: 1.06%

Run 4: Report of LEDBAT — Data Link



Run 5: Statistics of LEDBAT

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

End at: 2019-08-27 14:08:43

Local clock offset: -0.663 ms

Remote clock offset: 4.881 ms

# Below is generated by plot.py at 2019-08-27 14:52:08

# Datalink statistics

-- Total of 3 flows:

Average throughput: 68.40 Mbit/s

95th percentile per-packet one-way delay: 38.708 ms

Loss rate: 0.33%

-- Flow 1:

Average throughput: 39.21 Mbit/s

95th percentile per-packet one-way delay: 38.982 ms

Loss rate: 0.16%

-- Flow 2:

Average throughput: 30.21 Mbit/s

95th percentile per-packet one-way delay: 39.712 ms

Loss rate: 0.21%

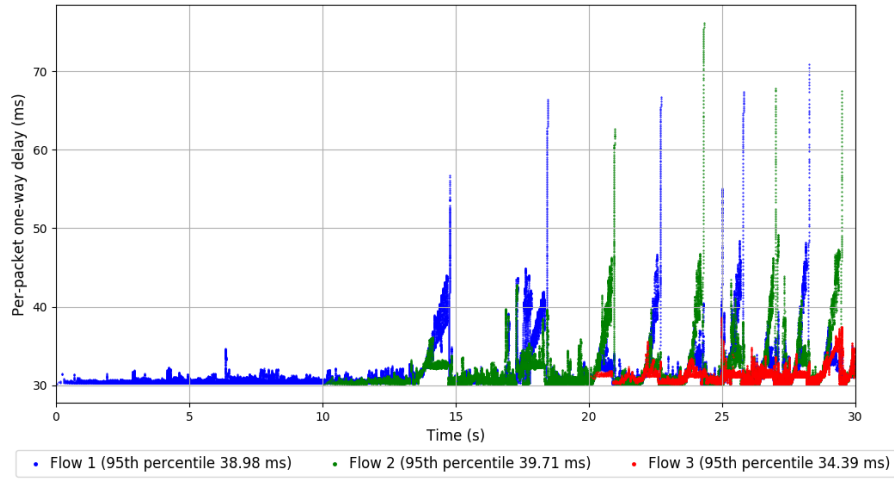
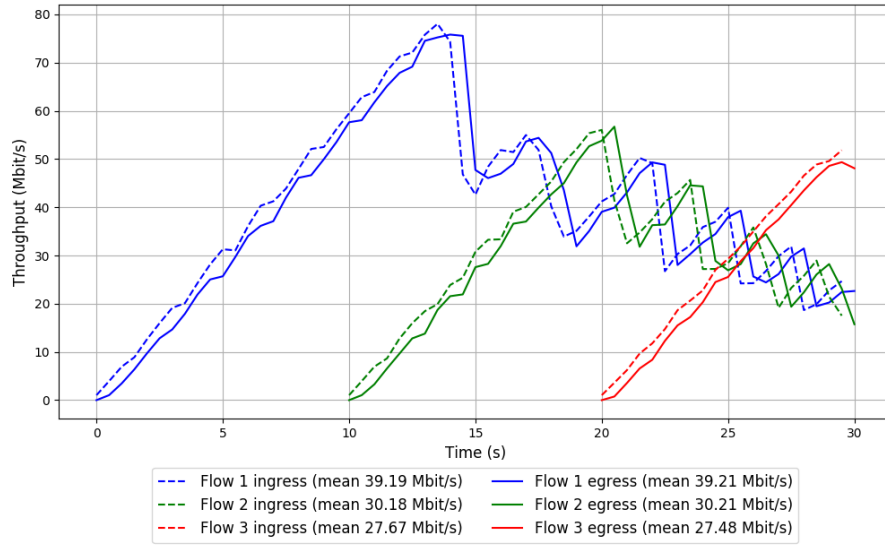
-- Flow 3:

Average throughput: 27.48 Mbit/s

95th percentile per-packet one-way delay: 34.394 ms

Loss rate: 1.31%

### Run 5: Report of LEDBAT — Data Link



Run 1: Statistics of Muses\\_DecisionTree

Start at: 2019-08-27 11:37:10

End at: 2019-08-27 11:37:40

Local clock offset: -0.481 ms

Remote clock offset: 4.924 ms

# Below is generated by plot.py at 2019-08-27 14:52:35

# Datalink statistics

-- Total of 3 flows:

Average throughput: 93.58 Mbit/s

95th percentile per-packet one-way delay: 44.620 ms

Loss rate: 0.28%

-- Flow 1:

Average throughput: 57.39 Mbit/s

95th percentile per-packet one-way delay: 42.916 ms

Loss rate: 0.16%

-- Flow 2:

Average throughput: 39.18 Mbit/s

95th percentile per-packet one-way delay: 44.432 ms

Loss rate: 0.29%

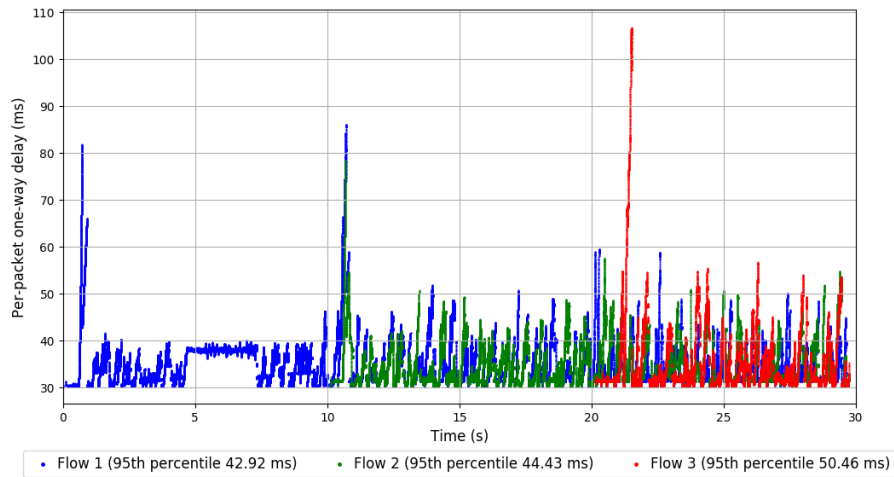
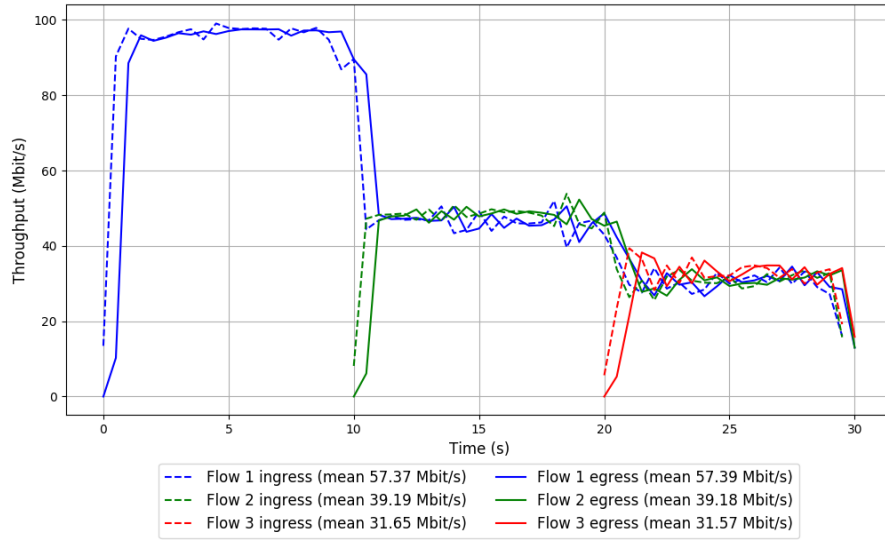
-- Flow 3:

Average throughput: 31.57 Mbit/s

95th percentile per-packet one-way delay: 50.460 ms

Loss rate: 0.91%

Run 1: Report of Muses\_DecisionTree — Data Link





Run 2: Statistics of Muses\\_DecisionTree

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

End at: 2019-08-27 12:15:42

Local clock offset: -0.595 ms

Remote clock offset: 6.273 ms

# Below is generated by plot.py at 2019-08-27 14:52:35

# Datalink statistics

-- Total of 3 flows:

Average throughput: 93.75 Mbit/s

95th percentile per-packet one-way delay: 42.924 ms

Loss rate: 0.27%

-- Flow 1:

Average throughput: 55.79 Mbit/s

95th percentile per-packet one-way delay: 42.612 ms

Loss rate: 0.13%

-- Flow 2:

Average throughput: 34.06 Mbit/s

95th percentile per-packet one-way delay: 41.783 ms

Loss rate: 0.25%

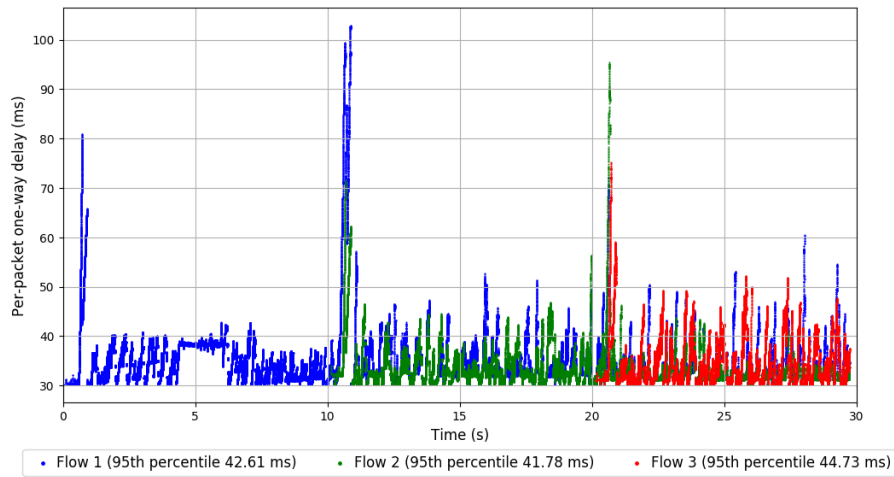
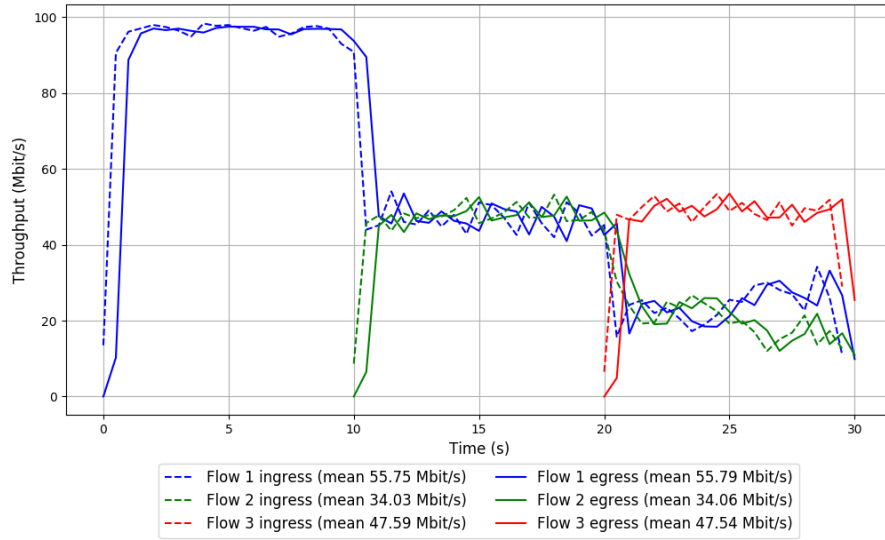
-- Flow 3:

Average throughput: 47.54 Mbit/s

95th percentile per-packet one-way delay: 44.725 ms

Loss rate: 0.79%

Run 2: Report of Muses\_DecisionTree — Data Link



Run 3: Statistics of Muses\\_DecisionTree

Start at: 2019-08-27 12:53:49

End at: 2019-08-27 12:54:19

Local clock offset: -0.675 ms

Remote clock offset: 4.476 ms

# Below is generated by plot.py at 2019-08-27 14:52:45

# Datalink statistics

-- Total of 3 flows:

Average throughput: 94.03 Mbit/s

95th percentile per-packet one-way delay: 42.462 ms

Loss rate: 0.32%

-- Flow 1:

Average throughput: 54.75 Mbit/s

95th percentile per-packet one-way delay: 42.544 ms

Loss rate: 0.21%

-- Flow 2:

Average throughput: 47.40 Mbit/s

95th percentile per-packet one-way delay: 41.896 ms

Loss rate: 0.39%

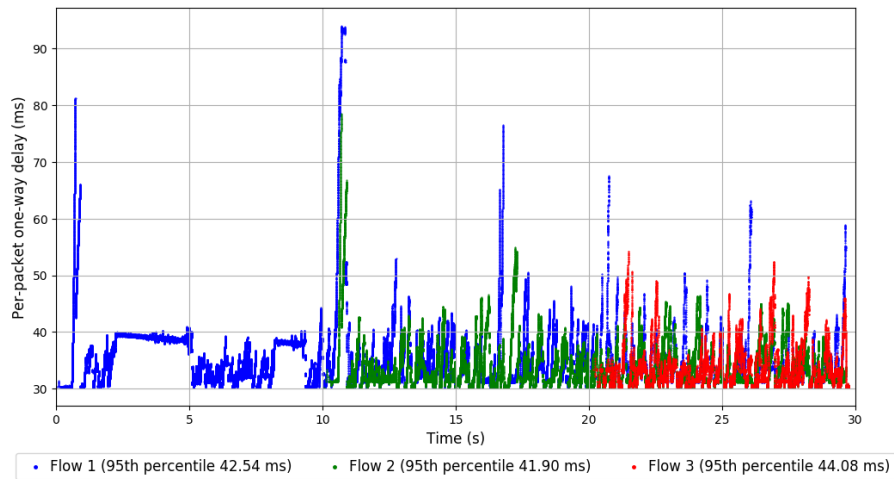
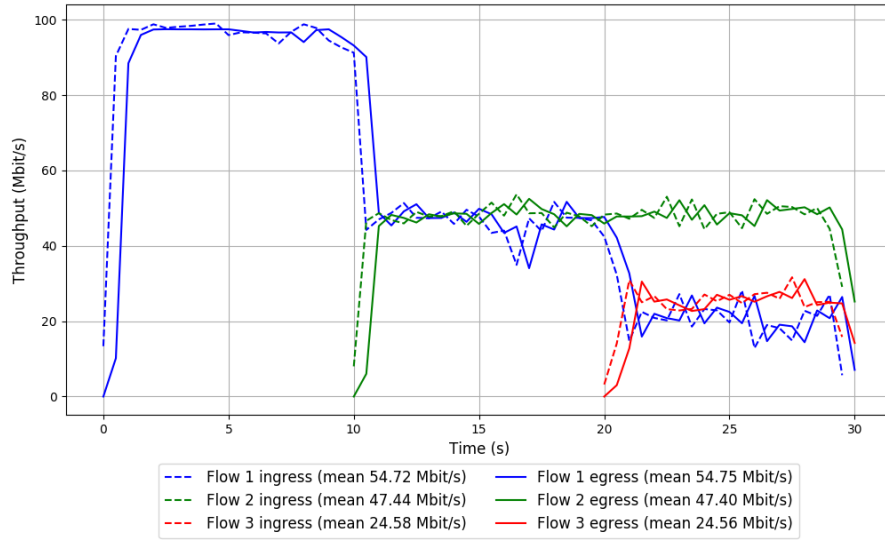
-- Flow 3:

Average throughput: 24.56 Mbit/s

95th percentile per-packet one-way delay: 44.075 ms

Loss rate: 0.78%

Run 3: Report of Muses\_DecisionTree — Data Link



Run 4: Statistics of Muses\\_DecisionTree

Start at: 2019-08-27 13:32:03

End at: 2019-08-27 13:32:33

Local clock offset: -0.649 ms

Remote clock offset: 5.299 ms

# Below is generated by plot.py at 2019-08-27 14:52:46

# Datalink statistics

-- Total of 3 flows:

Average throughput: 94.08 Mbit/s

95th percentile per-packet one-way delay: 43.934 ms

Loss rate: 0.25%

-- Flow 1:

Average throughput: 54.55 Mbit/s

95th percentile per-packet one-way delay: 42.265 ms

Loss rate: 0.09%

-- Flow 2:

Average throughput: 36.58 Mbit/s

95th percentile per-packet one-way delay: 45.810 ms

Loss rate: 0.28%

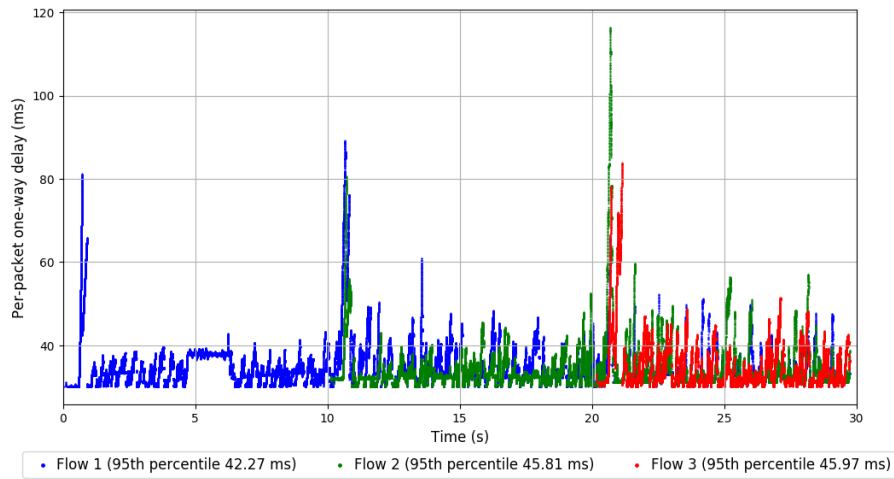
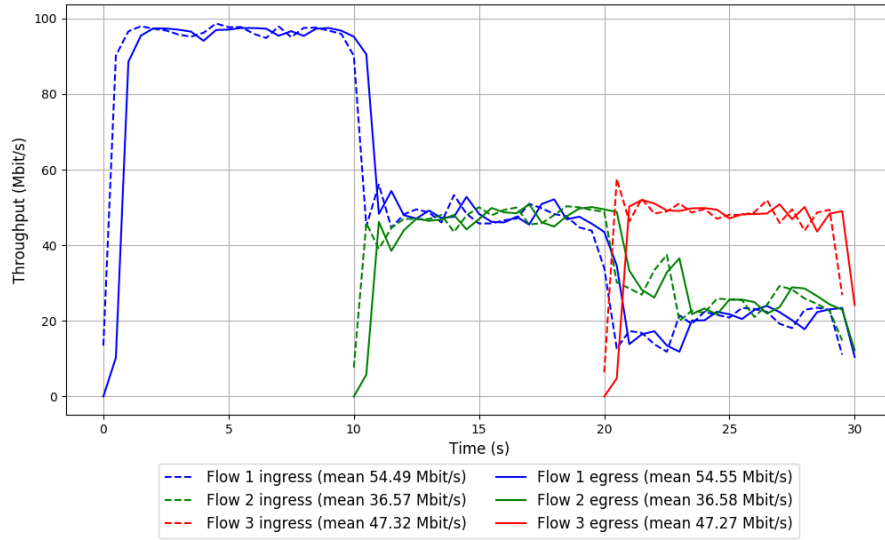
-- Flow 3:

Average throughput: 47.27 Mbit/s

95th percentile per-packet one-way delay: 45.971 ms

Loss rate: 0.75%

Run 4: Report of Muses\_DecisionTree — Data Link



Run 5: Statistics of Muses\\_DecisionTree

Start at: 2019-08-27 14:11:32

End at: 2019-08-27 14:12:02

Local clock offset: -0.583 ms

Remote clock offset: 4.419 ms

# Below is generated by plot.py at 2019-08-27 14:53:07

# Datalink statistics

-- Total of 3 flows:

Average throughput: 94.22 Mbit/s

95th percentile per-packet one-way delay: 43.585 ms

Loss rate: 0.33%

-- Flow 1:

Average throughput: 57.64 Mbit/s

95th percentile per-packet one-way delay: 42.483 ms

Loss rate: 0.26%

-- Flow 2:

Average throughput: 39.73 Mbit/s

95th percentile per-packet one-way delay: 45.634 ms

Loss rate: 0.31%

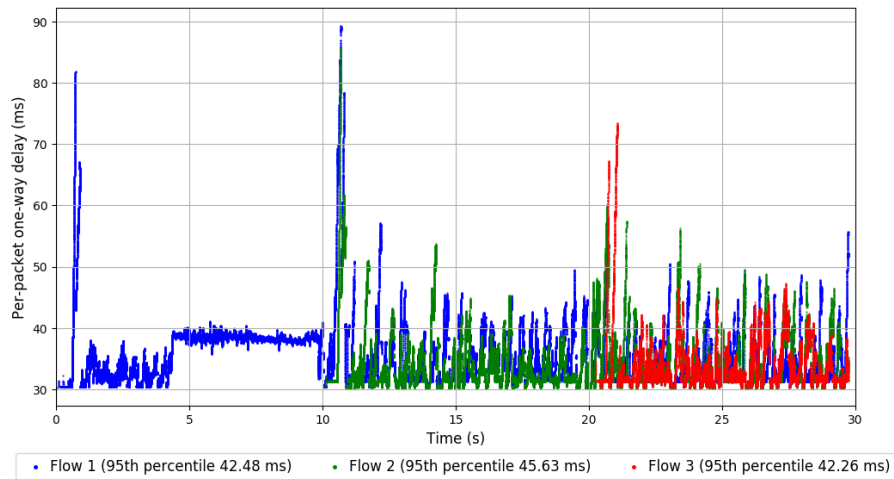
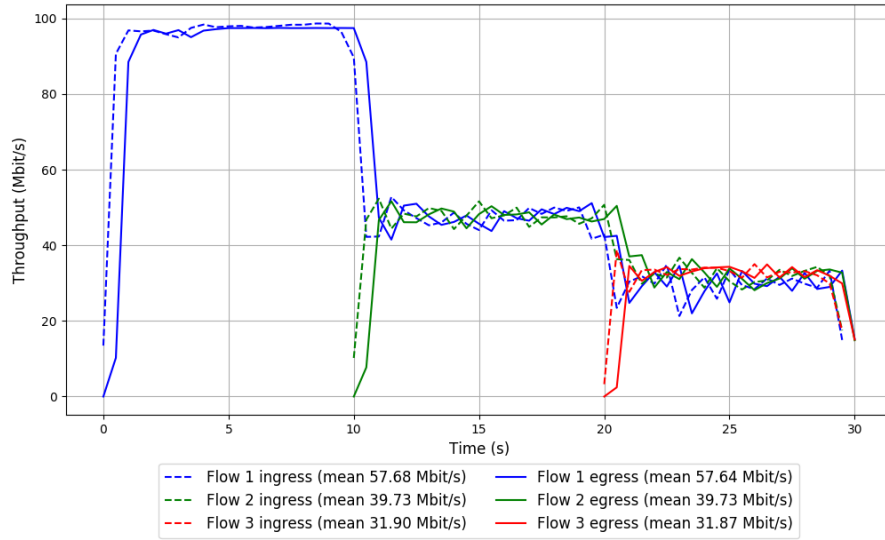
-- Flow 3:

Average throughput: 31.87 Mbit/s

95th percentile per-packet one-way delay: 42.262 ms

Loss rate: 0.75%

Run 5: Report of Muses\_DecisionTree — Data Link





Run 1: Statistics of Muses\\_DecisionTreeH0

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

End at: 2019-08-27 11:27:43

Local clock offset: -0.516 ms

Remote clock offset: 4.945 ms

# Below is generated by plot.py at 2019-08-27 14:53:07

# Datalink statistics

-- Total of 3 flows:

Average throughput: 80.99 Mbit/s

95th percentile per-packet one-way delay: 180.641 ms

Loss rate: 0.47%

-- Flow 1:

Average throughput: 52.86 Mbit/s

95th percentile per-packet one-way delay: 172.924 ms

Loss rate: 0.38%

-- Flow 2:

Average throughput: 33.40 Mbit/s

95th percentile per-packet one-way delay: 200.942 ms

Loss rate: 0.27%

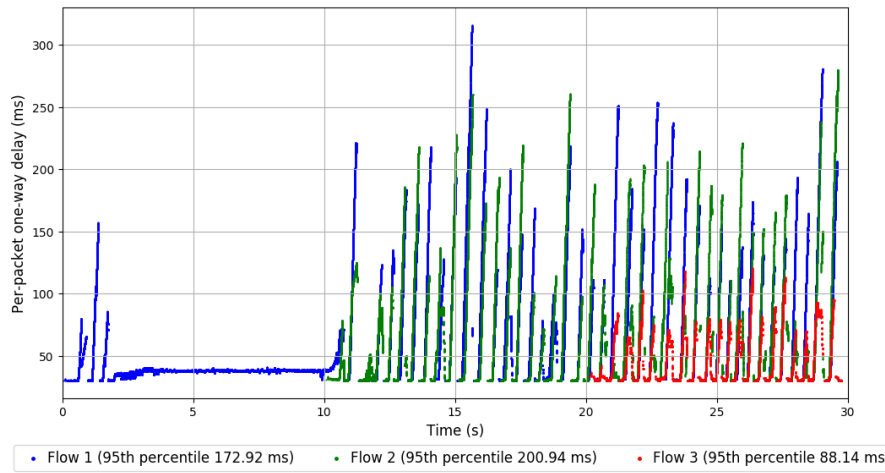
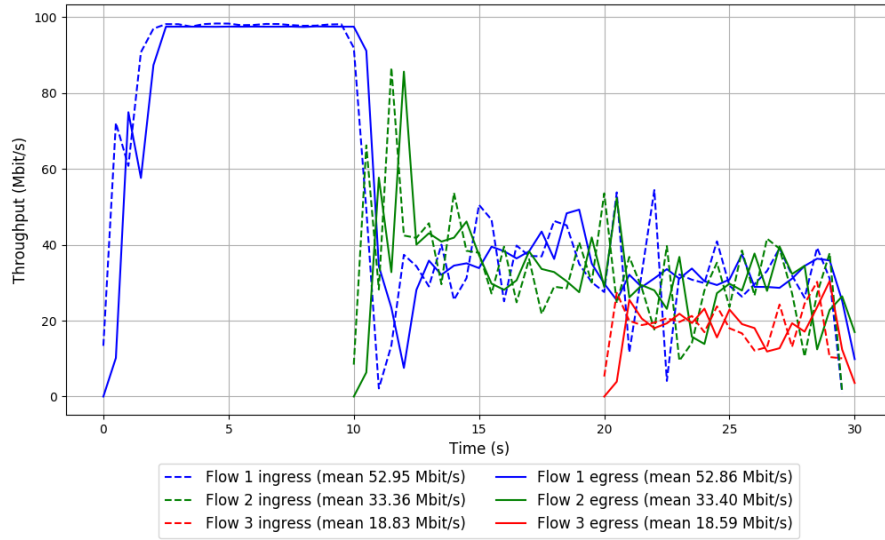
-- Flow 3:

Average throughput: 18.59 Mbit/s

95th percentile per-packet one-way delay: 88.136 ms

Loss rate: 1.98%

Run 1: Report of Muses\_DecisionTreeH0 — Data Link



Run 2: Statistics of Muses\\_DecisionTreeH0

Start at: 2019-08-27 12:04:40

End at: 2019-08-27 12:05:10

Local clock offset: -0.572 ms

Remote clock offset: 6.103 ms

# Below is generated by plot.py at 2019-08-27 14:53:07

# Datalink statistics

-- Total of 3 flows:

Average throughput: 82.14 Mbit/s

95th percentile per-packet one-way delay: 179.929 ms

Loss rate: 1.12%

-- Flow 1:

Average throughput: 52.15 Mbit/s

95th percentile per-packet one-way delay: 175.556 ms

Loss rate: 0.83%

-- Flow 2:

Average throughput: 30.96 Mbit/s

95th percentile per-packet one-way delay: 202.612 ms

Loss rate: 1.74%

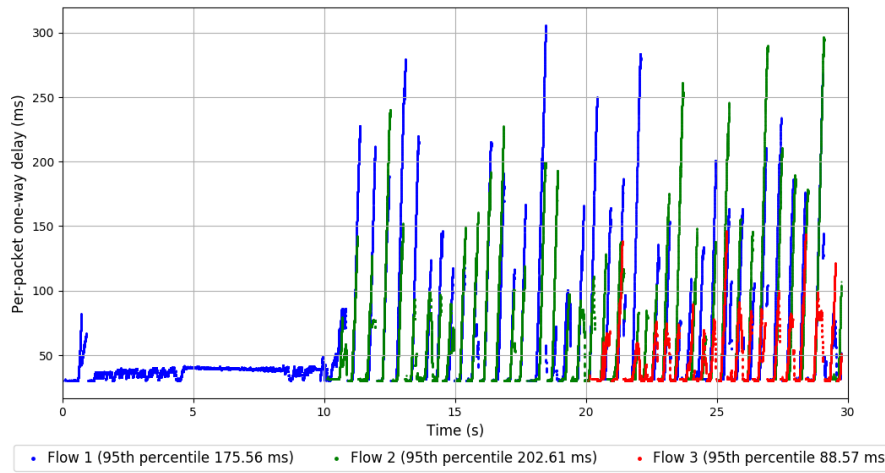
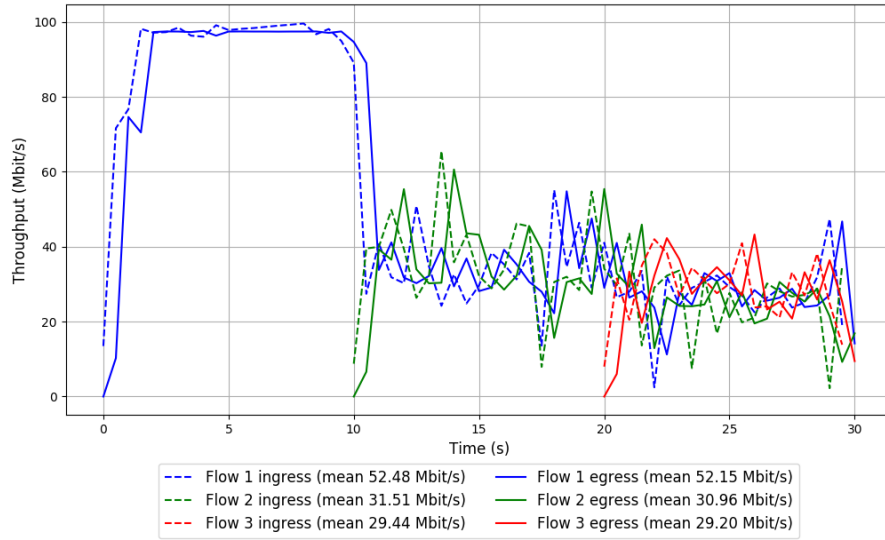
-- Flow 3:

Average throughput: 29.20 Mbit/s

95th percentile per-packet one-way delay: 88.569 ms

Loss rate: 1.36%

Run 2: Report of Muses\_DecisionTreeH0 — Data Link



Run 3: Statistics of Muses\\_DecisionTreeH0

Start at: 2019-08-27 12:43:44

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

Local clock offset: -0.64 ms

Remote clock offset: 6.435 ms

# Below is generated by plot.py at 2019-08-27 14:53:15

# Datalink statistics

-- Total of 3 flows:

Average throughput: 82.27 Mbit/s

95th percentile per-packet one-way delay: 159.738 ms

Loss rate: 0.52%

-- Flow 1:

Average throughput: 50.12 Mbit/s

95th percentile per-packet one-way delay: 164.556 ms

Loss rate: 0.31%

-- Flow 2:

Average throughput: 31.13 Mbit/s

95th percentile per-packet one-way delay: 149.749 ms

Loss rate: 0.28%

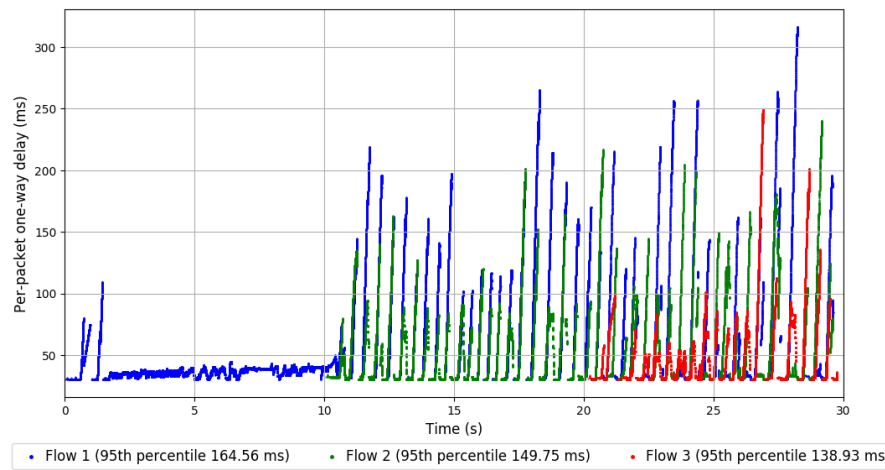
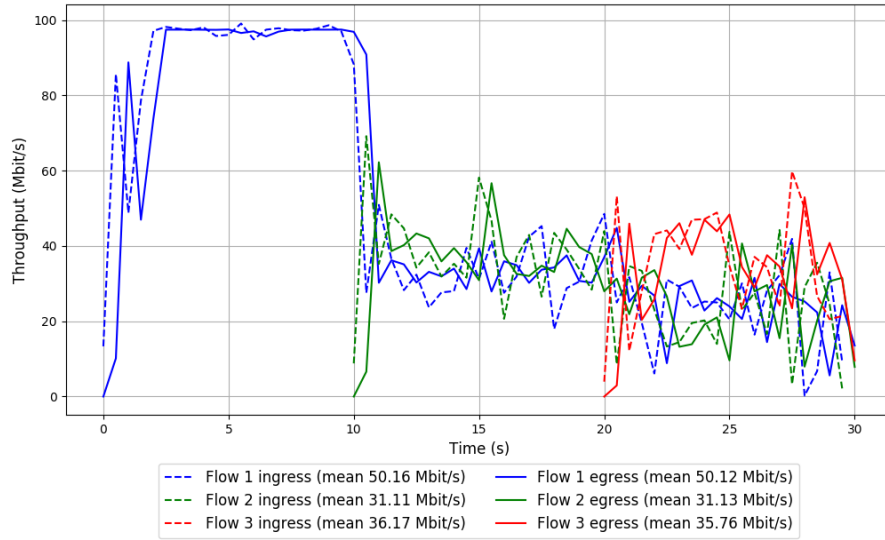
-- Flow 3:

Average throughput: 35.76 Mbit/s

95th percentile per-packet one-way delay: 138.930 ms

Loss rate: 1.82%

Run 3: Report of Muses\_DecisionTreeH0 — Data Link



Run 4: Statistics of Muses\\_DecisionTreeH0

Start at: 2019-08-27 13:21:49

End at: 2019-08-27 13:22:19

Local clock offset: -0.672 ms

Remote clock offset: 2.773 ms

# Below is generated by plot.py at 2019-08-27 14:53:39

# Datalink statistics

-- Total of 3 flows:

Average throughput: 81.67 Mbit/s

95th percentile per-packet one-way delay: 167.432 ms

Loss rate: 0.52%

-- Flow 1:

Average throughput: 51.89 Mbit/s

95th percentile per-packet one-way delay: 170.839 ms

Loss rate: 0.53%

-- Flow 2:

Average throughput: 31.61 Mbit/s

95th percentile per-packet one-way delay: 174.063 ms

Loss rate: 0.27%

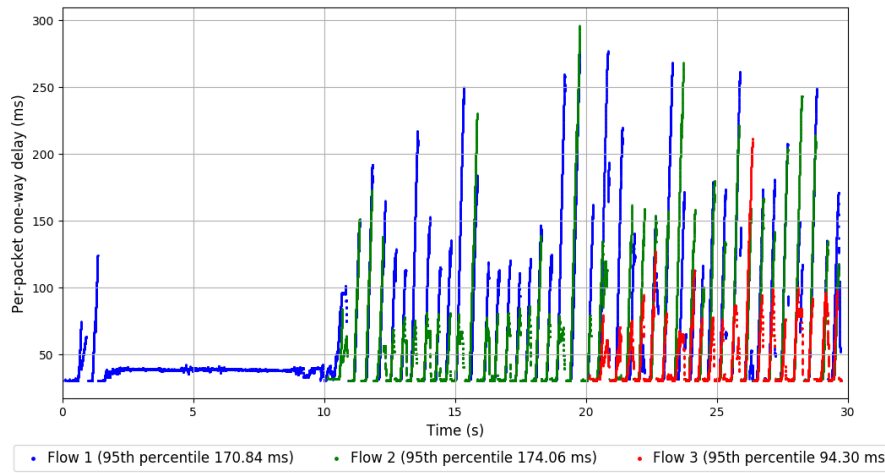
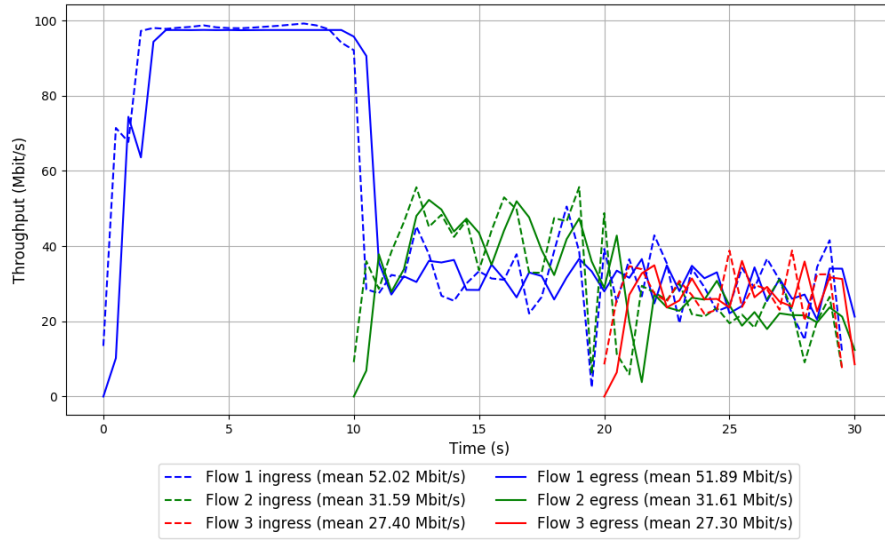
-- Flow 3:

Average throughput: 27.30 Mbit/s

95th percentile per-packet one-way delay: 94.296 ms

Loss rate: 1.02%

Run 4: Report of Muses\_DecisionTreeH0 — Data Link





Run 5: Statistics of Muses\\_DecisionTreeH0

Start at: 2019-08-27 14:00:38

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

Local clock offset: -0.679 ms

Remote clock offset: 5.761 ms

# Below is generated by plot.py at 2019-08-27 14:53:39

# Datalink statistics

-- Total of 3 flows:

Average throughput: 81.12 Mbit/s

95th percentile per-packet one-way delay: 183.376 ms

Loss rate: 0.92%

-- Flow 1:

Average throughput: 52.89 Mbit/s

95th percentile per-packet one-way delay: 170.891 ms

Loss rate: 0.97%

-- Flow 2:

Average throughput: 31.93 Mbit/s

95th percentile per-packet one-way delay: 225.600 ms

Loss rate: 0.60%

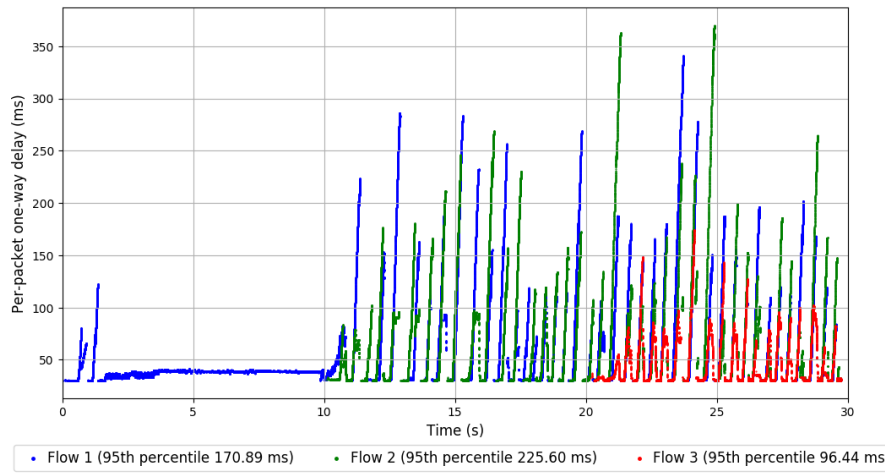
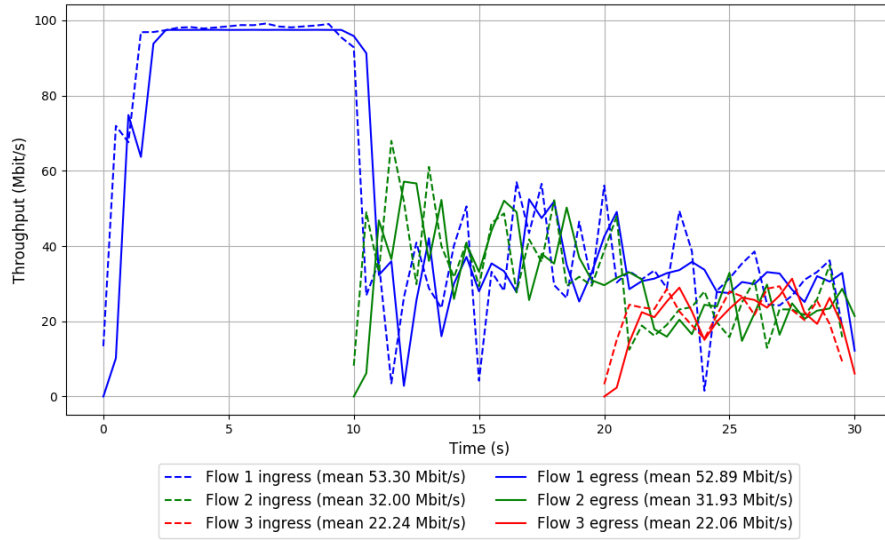
-- Flow 3:

Average throughput: 22.06 Mbit/s

95th percentile per-packet one-way delay: 96.437 ms

Loss rate: 1.48%

### Run 5: Report of Muses\_DecisionTreeH0 — Data Link



Run 1: Statistics of Muses\\_DecisionTreeR0

Start at: 2019-08-27 12:00:11

End at: 2019-08-27 12:00:41

Local clock offset: -0.591 ms

Remote clock offset: 5.977 ms

# Below is generated by plot.py at 2019-08-27 14:53:57

# Datalink statistics

-- Total of 3 flows:

Average throughput: 93.92 Mbit/s

95th percentile per-packet one-way delay: 45.250 ms

Loss rate: 0.25%

-- Flow 1:

Average throughput: 57.26 Mbit/s

95th percentile per-packet one-way delay: 43.681 ms

Loss rate: 0.14%

-- Flow 2:

Average throughput: 39.53 Mbit/s

95th percentile per-packet one-way delay: 45.686 ms

Loss rate: 0.29%

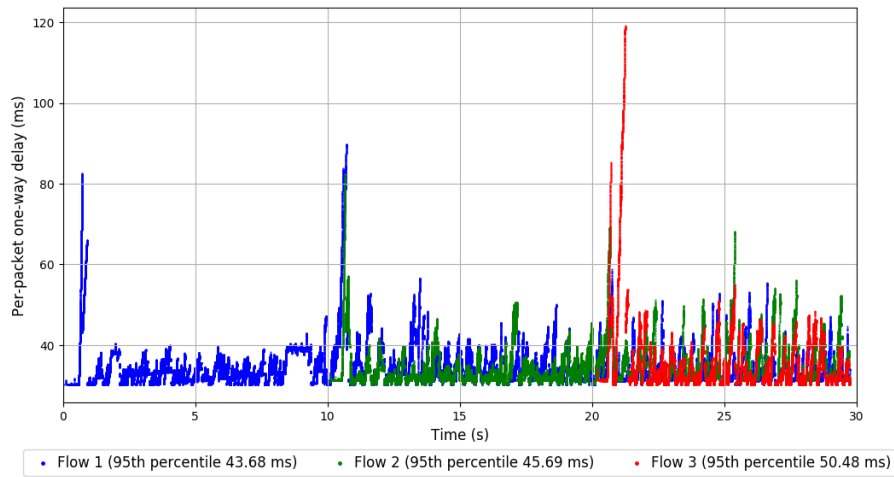
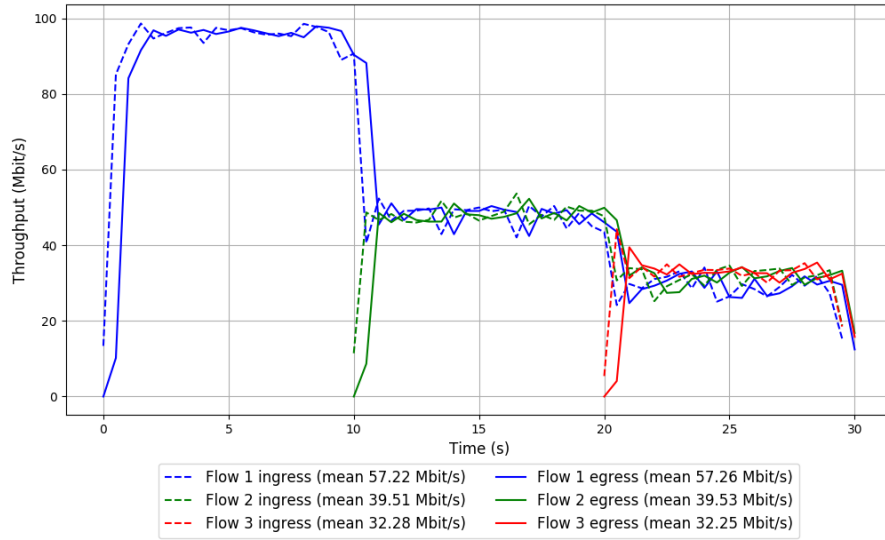
-- Flow 3:

Average throughput: 32.25 Mbit/s

95th percentile per-packet one-way delay: 50.485 ms

Loss rate: 0.75%

Run 1: Report of Muses\_DecisionTreeR0 — Data Link



Run 2: Statistics of Muses\\_DecisionTreeR0

Start at: 2019-08-27 12:39:32

End at: 2019-08-27 12:40:02

Local clock offset: -0.649 ms

Remote clock offset: 6.24 ms

# Below is generated by plot.py at 2019-08-27 14:53:58

# Datalink statistics

-- Total of 3 flows:

Average throughput: 94.24 Mbit/s

95th percentile per-packet one-way delay: 42.742 ms

Loss rate: 0.25%

-- Flow 1:

Average throughput: 54.88 Mbit/s

95th percentile per-packet one-way delay: 43.265 ms

Loss rate: 0.14%

-- Flow 2:

Average throughput: 47.15 Mbit/s

95th percentile per-packet one-way delay: 41.021 ms

Loss rate: 0.32%

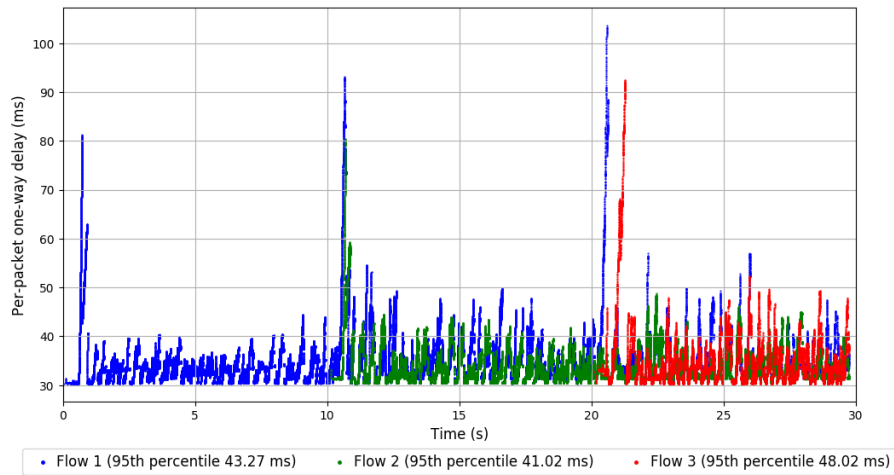
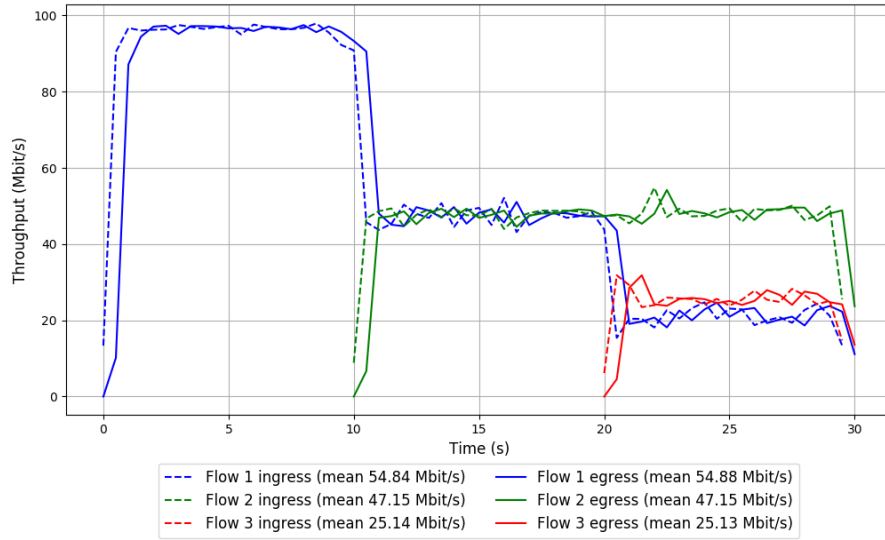
-- Flow 3:

Average throughput: 25.13 Mbit/s

95th percentile per-packet one-way delay: 48.023 ms

Loss rate: 0.71%

Run 2: Report of Muses\_DecisionTreeR0 — Data Link



Run 3: Statistics of Muses\\_DecisionTreeR0

Start at: 2019-08-27 13:17:31

End at: 2019-08-27 13:18:01

Local clock offset: -0.636 ms

Remote clock offset: 2.592 ms

# Below is generated by plot.py at 2019-08-27 14:54:11

# Datalink statistics

-- Total of 3 flows:

Average throughput: 93.61 Mbit/s

95th percentile per-packet one-way delay: 43.614 ms

Loss rate: 0.28%

-- Flow 1:

Average throughput: 54.45 Mbit/s

95th percentile per-packet one-way delay: 44.447 ms

Loss rate: 0.19%

-- Flow 2:

Average throughput: 47.09 Mbit/s

95th percentile per-packet one-way delay: 42.604 ms

Loss rate: 0.35%

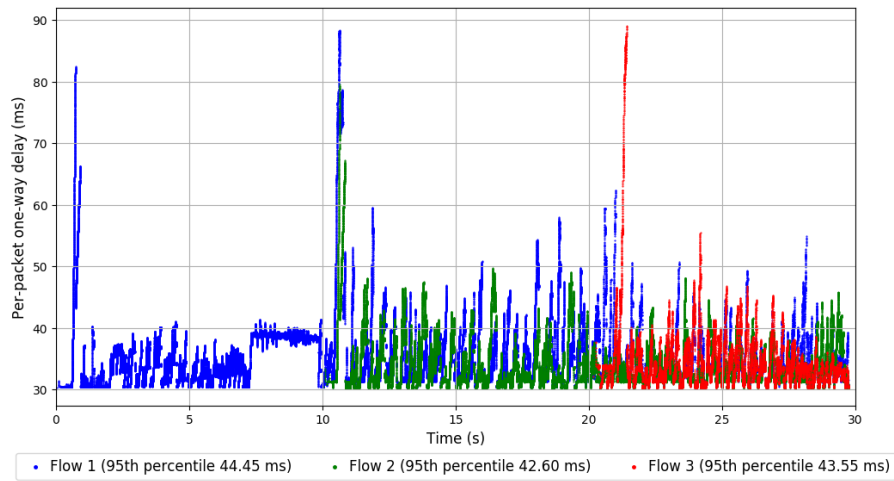
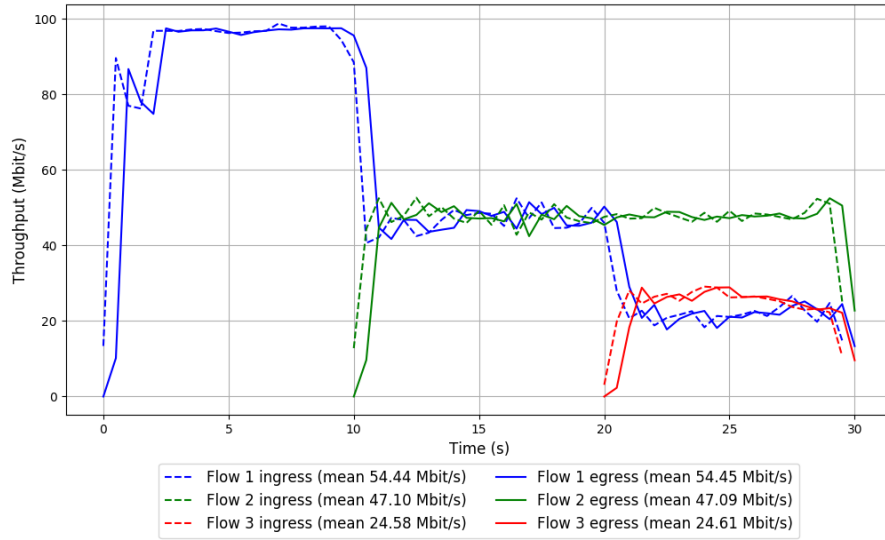
-- Flow 3:

Average throughput: 24.61 Mbit/s

95th percentile per-packet one-way delay: 43.549 ms

Loss rate: 0.57%

Run 3: Report of Muses\_DecisionTreeR0 — Data Link





Run 4: Statistics of Muses\\_DecisionTreeR0

Start at: 2019-08-27 13:56:11

End at: 2019-08-27 13:56:41

Local clock offset: -0.695 ms

Remote clock offset: 6.71 ms

# Below is generated by plot.py at 2019-08-27 14:54:15

# Datalink statistics

-- Total of 3 flows:

Average throughput: 93.69 Mbit/s

95th percentile per-packet one-way delay: 43.577 ms

Loss rate: 0.26%

-- Flow 1:

Average throughput: 54.61 Mbit/s

95th percentile per-packet one-way delay: 42.408 ms

Loss rate: 0.10%

-- Flow 2:

Average throughput: 35.97 Mbit/s

95th percentile per-packet one-way delay: 43.503 ms

Loss rate: 0.31%

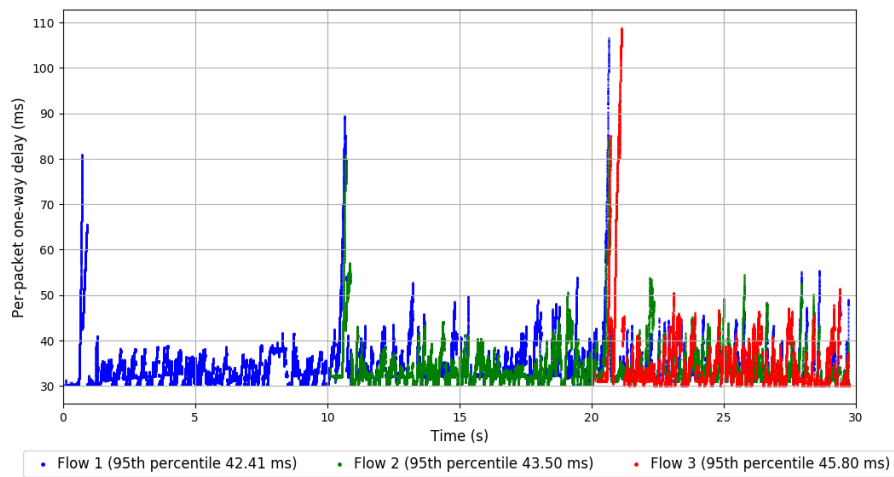
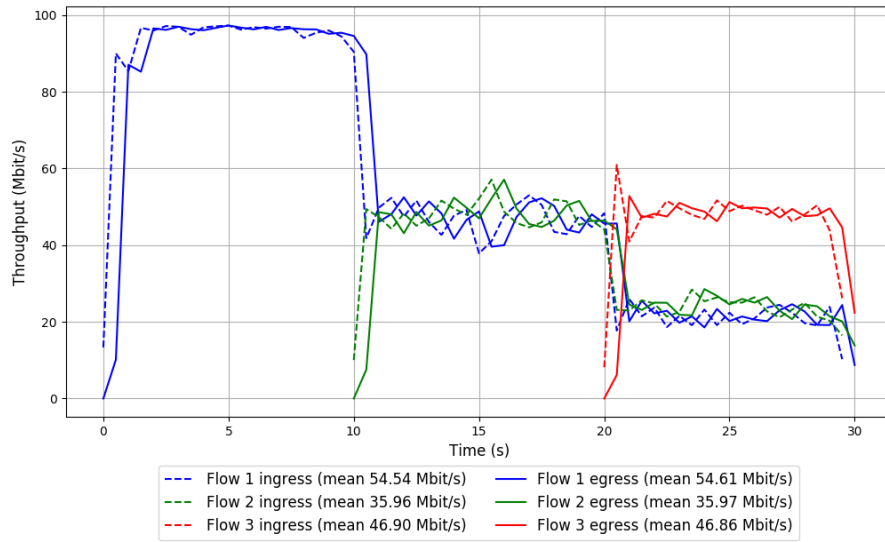
-- Flow 3:

Average throughput: 46.86 Mbit/s

95th percentile per-packet one-way delay: 45.801 ms

Loss rate: 0.76%

### Run 4: Report of Muses\_DecisionTreeR0 — Data Link



Run 5: Statistics of Muses\\_DecisionTreeR0

Start at: 2019-08-27 14:36:50

End at: 2019-08-27 14:37:20

Local clock offset: -0.419 ms

Remote clock offset: 3.953 ms

# Below is generated by plot.py at 2019-08-27 14:54:19

# Datalink statistics

-- Total of 3 flows:

Average throughput: 93.39 Mbit/s

95th percentile per-packet one-way delay: 41.112 ms

Loss rate: 0.24%

-- Flow 1:

Average throughput: 49.57 Mbit/s

95th percentile per-packet one-way delay: 39.012 ms

Loss rate: 0.08%

-- Flow 2:

Average throughput: 50.97 Mbit/s

95th percentile per-packet one-way delay: 40.557 ms

Loss rate: 0.34%

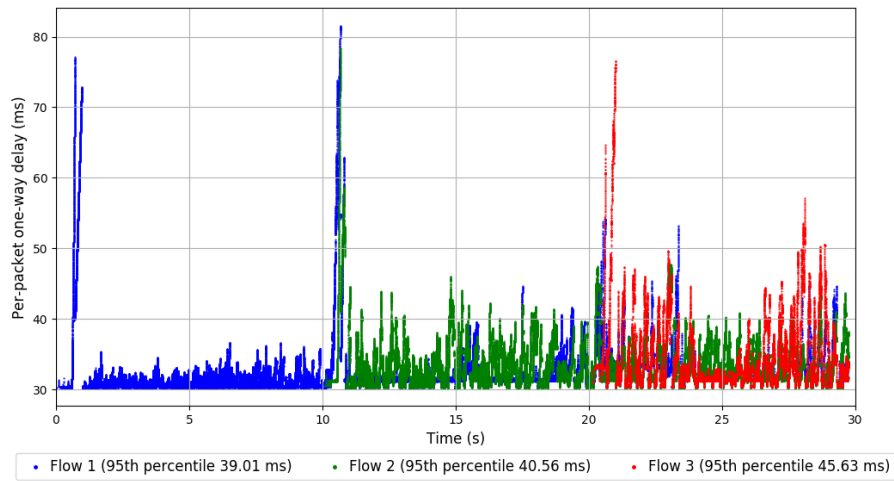
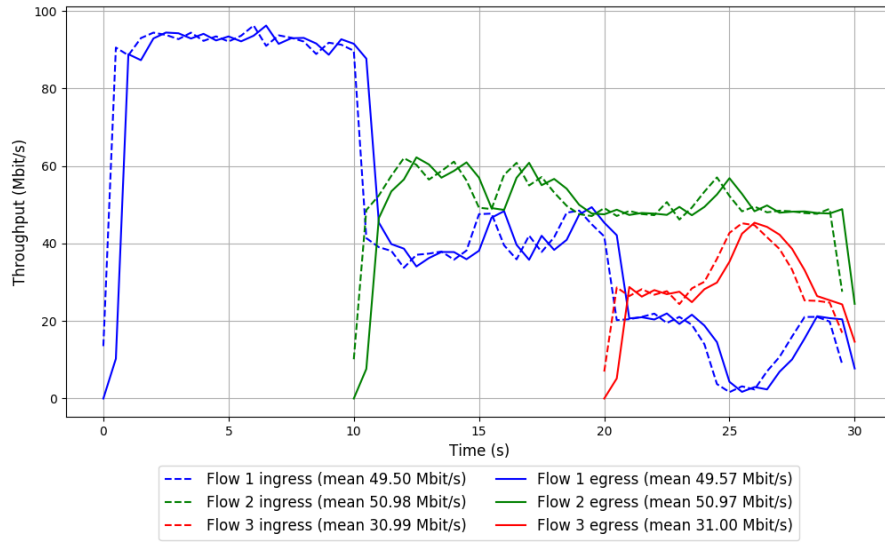
-- Flow 3:

Average throughput: 31.00 Mbit/s

95th percentile per-packet one-way delay: 45.631 ms

Loss rate: 0.68%

Run 5: Report of Muses\_DecisionTreeR0 — Data Link



Run 1: Statistics of PCC-Allegro

Start at: 2019-08-27 12:01:46

End at: 2019-08-27 12:02:16

Local clock offset: -0.578 ms

Remote clock offset: 5.986 ms

# Below is generated by plot.py at 2019-08-27 14:54:32

# Datalink statistics

-- Total of 3 flows:

Average throughput: 92.18 Mbit/s

95th percentile per-packet one-way delay: 2124.321 ms

Loss rate: 11.38%

-- Flow 1:

Average throughput: 57.05 Mbit/s

95th percentile per-packet one-way delay: 2154.595 ms

Loss rate: 10.71%

-- Flow 2:

Average throughput: 37.68 Mbit/s

95th percentile per-packet one-way delay: 2002.563 ms

Loss rate: 13.47%

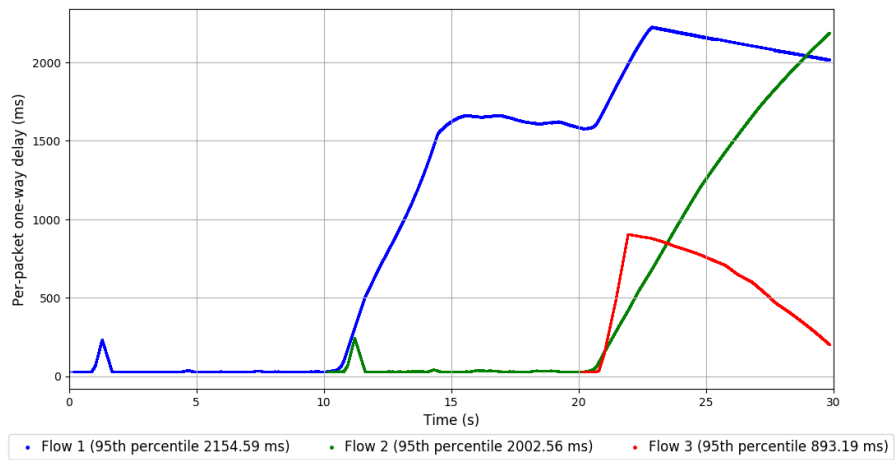
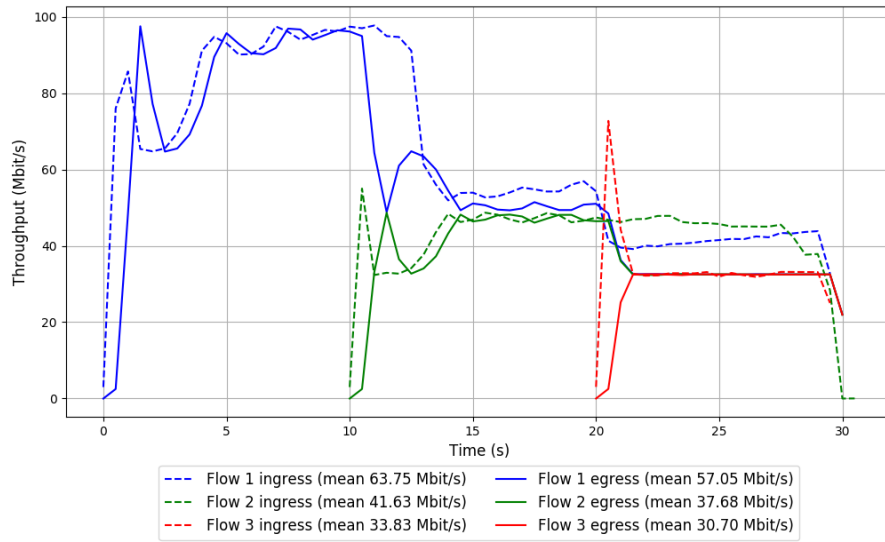
-- Flow 3:

Average throughput: 30.70 Mbit/s

95th percentile per-packet one-way delay: 893.190 ms

Loss rate: 9.84%

Run 1: Report of PCC-Allegro — Data Link



Run 2: Statistics of PCC-Allegro

Start at: 2019-08-27 12:41:03

End at: 2019-08-27 12:41:33

Local clock offset: -0.651 ms

Remote clock offset: 6.247 ms

# Below is generated by plot.py at 2019-08-27 14:54:50

# Datalink statistics

-- Total of 3 flows:

Average throughput: 91.96 Mbit/s

95th percentile per-packet one-way delay: 1645.786 ms

Loss rate: 10.50%

-- Flow 1:

Average throughput: 62.32 Mbit/s

95th percentile per-packet one-way delay: 1630.807 ms

Loss rate: 9.84%

-- Flow 2:

Average throughput: 34.81 Mbit/s

95th percentile per-packet one-way delay: 2844.499 ms

Loss rate: 14.50%

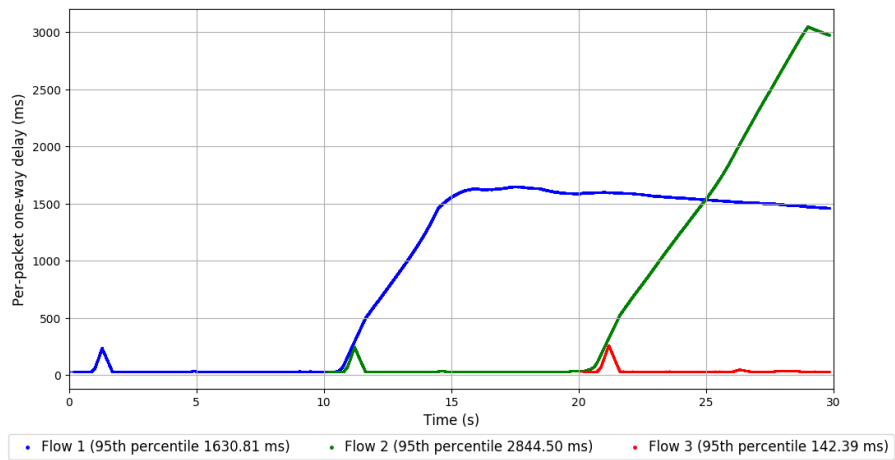
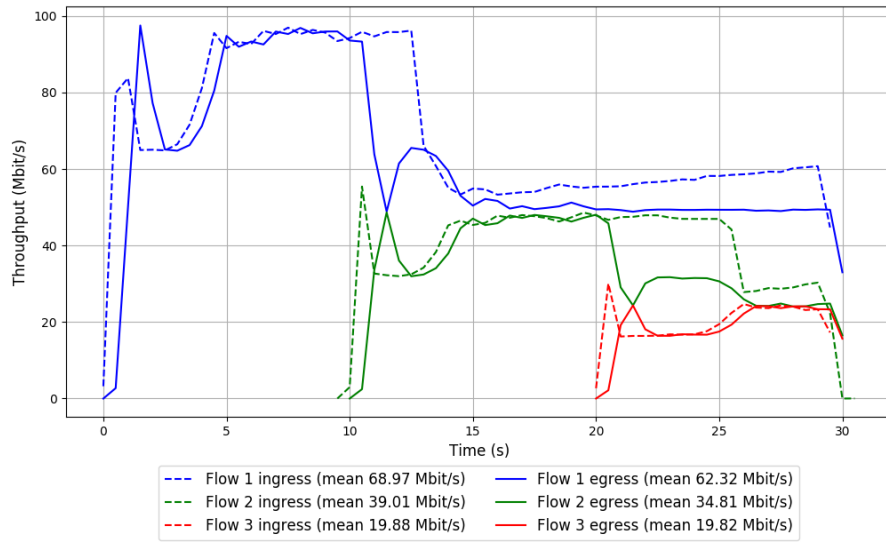
-- Flow 3:

Average throughput: 19.82 Mbit/s

95th percentile per-packet one-way delay: 142.389 ms

Loss rate: 0.97%

## Run 2: Report of PCC-Allegro — Data Link





Run 3: Statistics of PCC-Allegro

Start at: 2019-08-27 13:19:12

End at: 2019-08-27 13:19:42

Local clock offset: -0.627 ms

Remote clock offset: 2.526 ms

# Below is generated by plot.py at 2019-08-27 14:54:55

# Datalink statistics

-- Total of 3 flows:

Average throughput: 91.22 Mbit/s

95th percentile per-packet one-way delay: 1554.777 ms

Loss rate: 22.96%

-- Flow 1:

Average throughput: 56.07 Mbit/s

95th percentile per-packet one-way delay: 1597.916 ms

Loss rate: 27.04%

-- Flow 2:

Average throughput: 32.19 Mbit/s

95th percentile per-packet one-way delay: 1353.198 ms

Loss rate: 22.70%

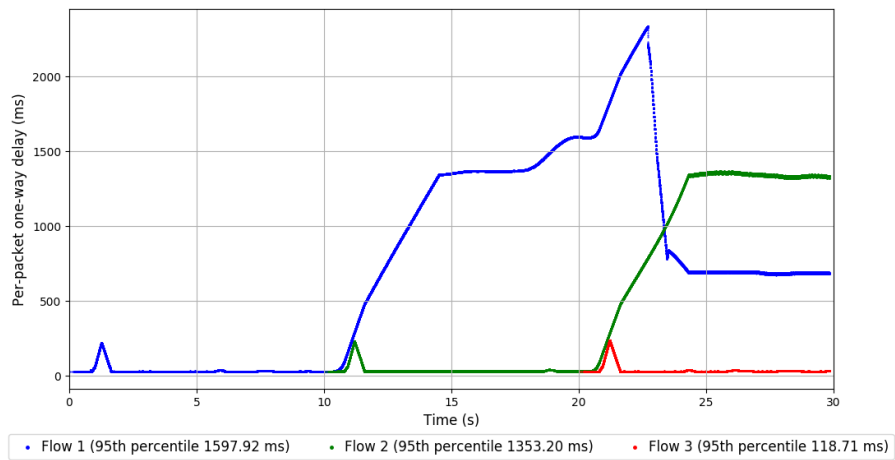
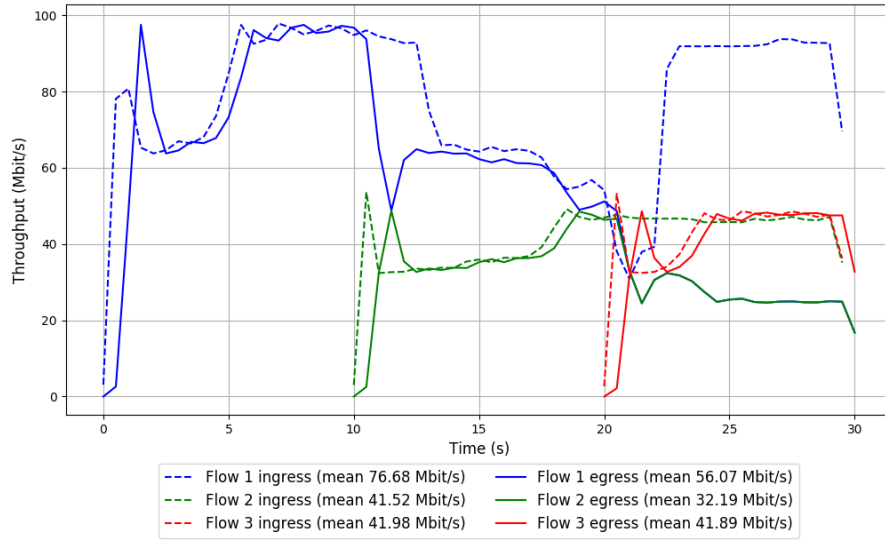
-- Flow 3:

Average throughput: 41.89 Mbit/s

95th percentile per-packet one-way delay: 118.709 ms

Loss rate: 0.87%

### Run 3: Report of PCC-Allegro — Data Link



Run 4: Statistics of PCC-Allegro

Start at: 2019-08-27 13:57:47

End at: 2019-08-27 13:58:17

Local clock offset: -0.675 ms

Remote clock offset: 6.32 ms

# Below is generated by plot.py at 2019-08-27 14:55:05

# Datalink statistics

-- Total of 3 flows:

Average throughput: 92.39 Mbit/s

95th percentile per-packet one-way delay: 2104.173 ms

Loss rate: 7.01%

-- Flow 1:

Average throughput: 57.28 Mbit/s

95th percentile per-packet one-way delay: 2142.511 ms

Loss rate: 10.59%

-- Flow 2:

Average throughput: 44.19 Mbit/s

95th percentile per-packet one-way delay: 40.648 ms

Loss rate: 0.40%

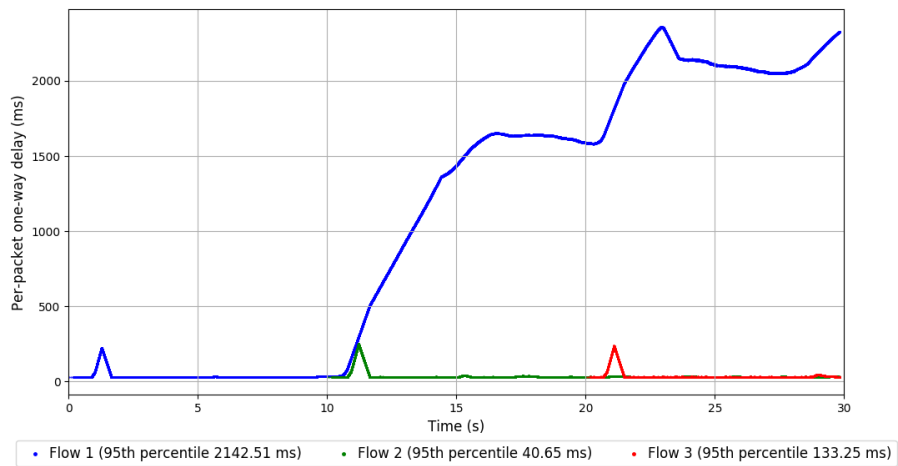
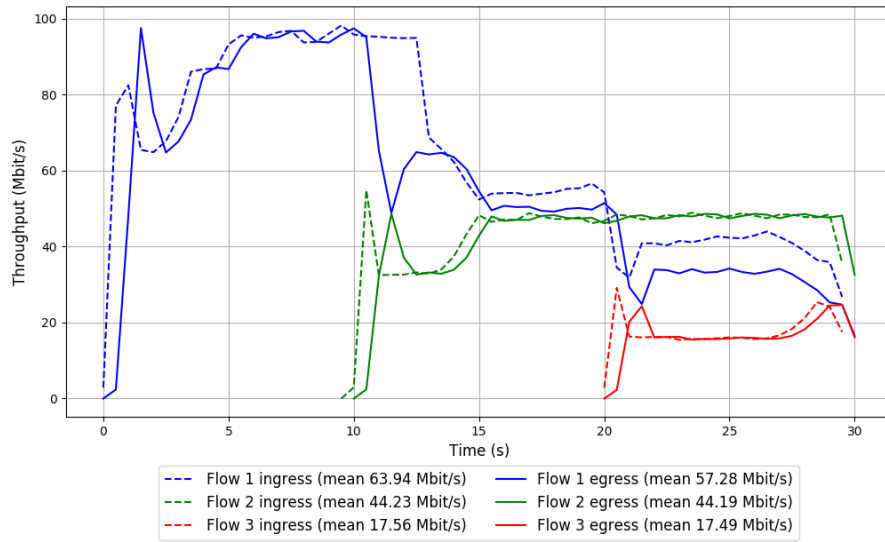
-- Flow 3:

Average throughput: 17.49 Mbit/s

95th percentile per-packet one-way delay: 133.245 ms

Loss rate: 1.07%

Run 4: Report of PCC-Allegro — Data Link



Run 5: Statistics of PCC-Allegro

Start at: 2019-08-27 14:38:46

End at: 2019-08-27 14:39:16

Local clock offset: -0.435 ms

Remote clock offset: 4.107 ms

# Below is generated by plot.py at 2019-08-27 14:55:10

# Datalink statistics

-- Total of 3 flows:

Average throughput: 91.16 Mbit/s

95th percentile per-packet one-way delay: 1353.629 ms

Loss rate: 24.05%

-- Flow 1:

Average throughput: 58.18 Mbit/s

95th percentile per-packet one-way delay: 1474.562 ms

Loss rate: 28.20%

-- Flow 2:

Average throughput: 34.45 Mbit/s

95th percentile per-packet one-way delay: 1167.643 ms

Loss rate: 17.39%

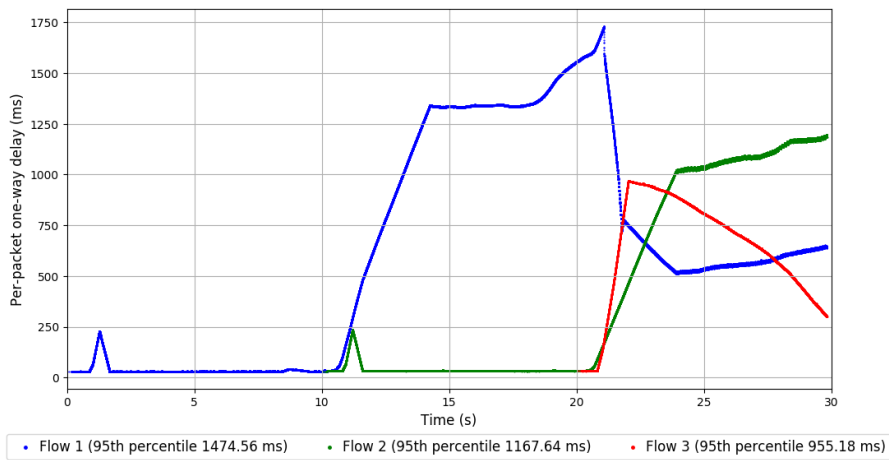
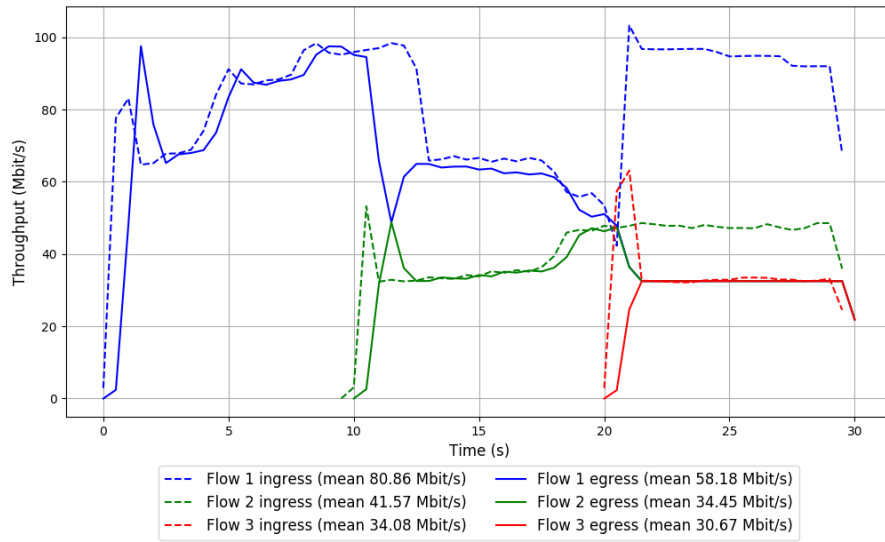
-- Flow 3:

Average throughput: 30.67 Mbit/s

95th percentile per-packet one-way delay: 955.177 ms

Loss rate: 10.60%

Run 5: Report of PCC-Allegro — Data Link



Run 1: Statistics of PCC-Expr

Start at: 2019-08-27 11:42:17

End at: 2019-08-27 11:42:47

Local clock offset: -0.526 ms

Remote clock offset: 5.202 ms

# Below is generated by plot.py at 2019-08-27 14:56:28

# Datalink statistics

-- Total of 3 flows:

Average throughput: 92.71 Mbit/s

95th percentile per-packet one-way delay: 1475.126 ms

Loss rate: 30.00%

-- Flow 1:

Average throughput: 58.04 Mbit/s

95th percentile per-packet one-way delay: 751.827 ms

Loss rate: 37.82%

-- Flow 2:

Average throughput: 38.43 Mbit/s

95th percentile per-packet one-way delay: 1540.949 ms

Loss rate: 14.58%

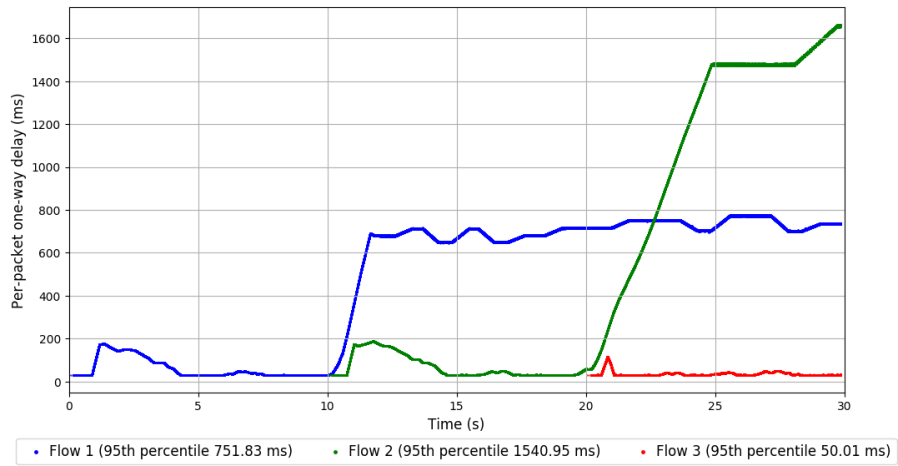
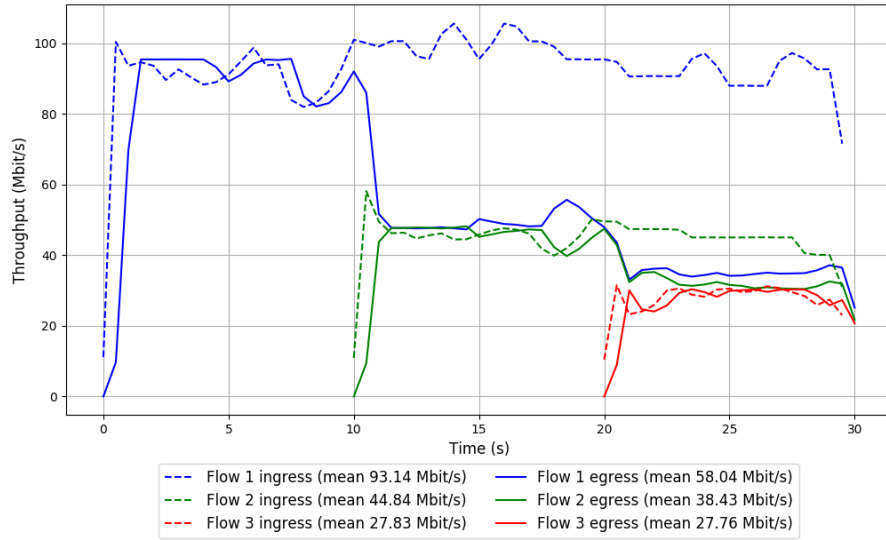
-- Flow 3:

Average throughput: 27.76 Mbit/s

95th percentile per-packet one-way delay: 50.010 ms

Loss rate: 0.93%

### Run 1: Report of PCC-Expr — Data Link





Run 2: Statistics of PCC-Expr

Start at: 2019-08-27 12:21:02

End at: 2019-08-27 12:21:32

Local clock offset: -0.569 ms

Remote clock offset: 5.935 ms

# Below is generated by plot.py at 2019-08-27 14:56:28

# Datalink statistics

-- Total of 3 flows:

Average throughput: 90.96 Mbit/s

95th percentile per-packet one-way delay: 970.903 ms

Loss rate: 26.91%

-- Flow 1:

Average throughput: 56.10 Mbit/s

95th percentile per-packet one-way delay: 898.089 ms

Loss rate: 35.51%

-- Flow 2:

Average throughput: 38.99 Mbit/s

95th percentile per-packet one-way delay: 1390.340 ms

Loss rate: 8.81%

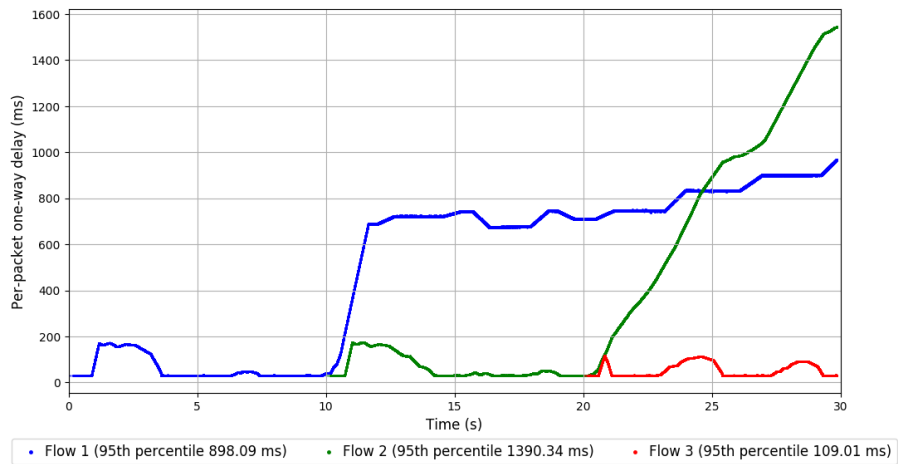
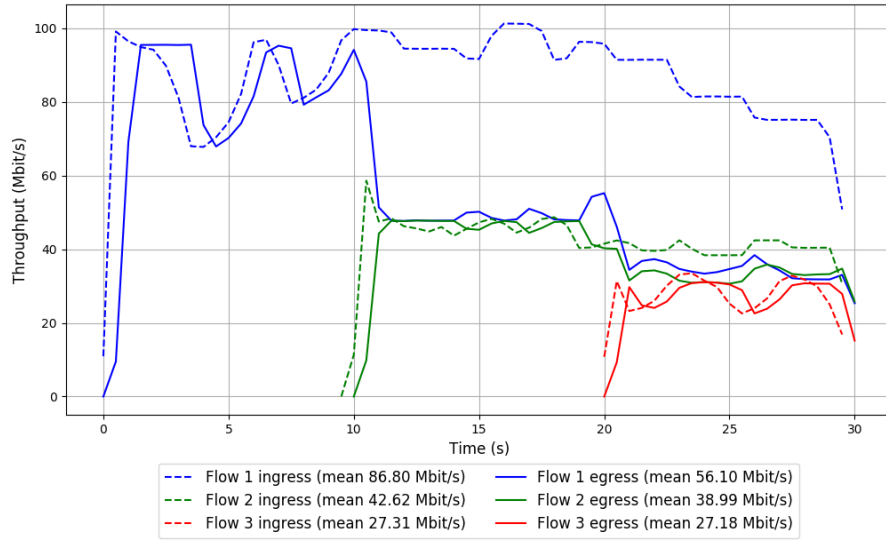
-- Flow 3:

Average throughput: 27.18 Mbit/s

95th percentile per-packet one-way delay: 109.008 ms

Loss rate: 1.14%

## Run 2: Report of PCC-Expr — Data Link



Run 3: Statistics of PCC-Expr

Start at: 2019-08-27 12:58:48

End at: 2019-08-27 12:59:18

Local clock offset: -0.618 ms

Remote clock offset: 3.782 ms

# Below is generated by plot.py at 2019-08-27 14:56:33

# Datalink statistics

-- Total of 3 flows:

Average throughput: 92.71 Mbit/s

95th percentile per-packet one-way delay: 1327.693 ms

Loss rate: 25.97%

-- Flow 1:

Average throughput: 58.44 Mbit/s

95th percentile per-packet one-way delay: 877.552 ms

Loss rate: 32.86%

-- Flow 2:

Average throughput: 37.91 Mbit/s

95th percentile per-packet one-way delay: 1539.819 ms

Loss rate: 13.28%

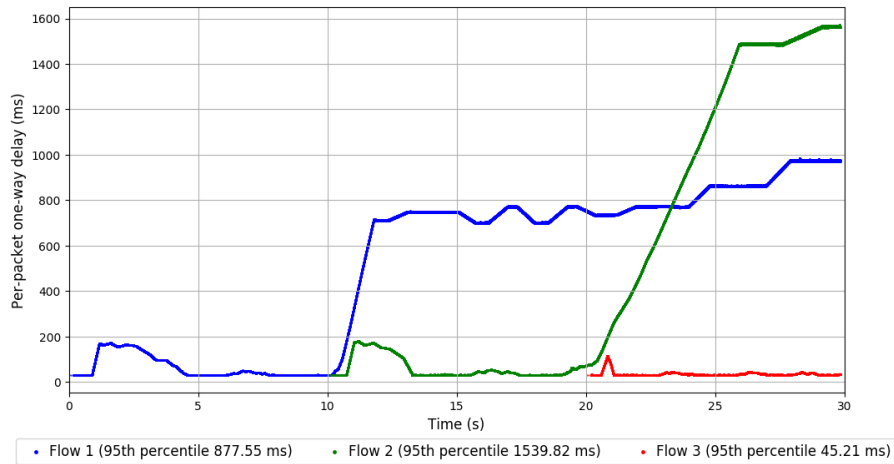
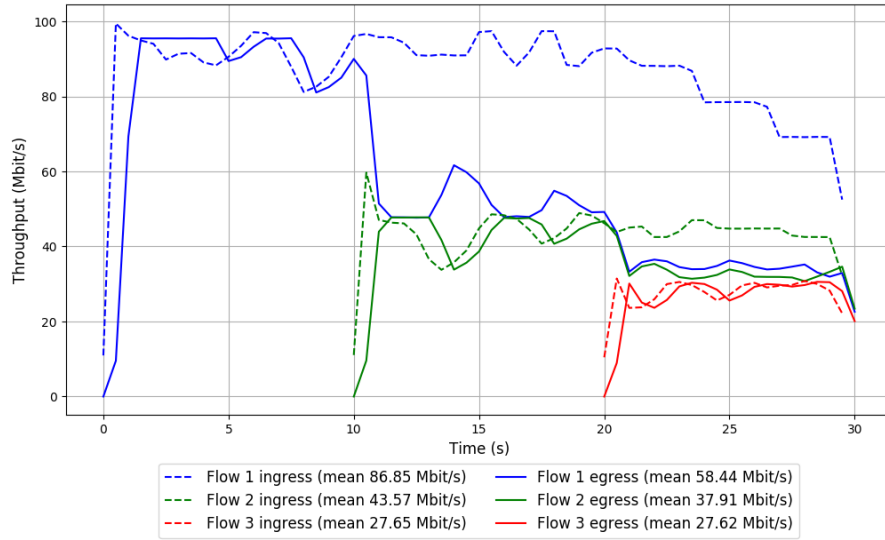
-- Flow 3:

Average throughput: 27.62 Mbit/s

95th percentile per-packet one-way delay: 45.207 ms

Loss rate: 0.76%

### Run 3: Report of PCC-Expr — Data Link



Run 4: Statistics of PCC-Expr

Start at: 2019-08-27 13:37:09

End at: 2019-08-27 13:37:39

Local clock offset: -0.648 ms

Remote clock offset: 5.634 ms

# Below is generated by plot.py at 2019-08-27 14:56:55

# Datalink statistics

-- Total of 3 flows:

Average throughput: 91.00 Mbit/s

95th percentile per-packet one-way delay: 1450.251 ms

Loss rate: 27.98%

-- Flow 1:

Average throughput: 56.52 Mbit/s

95th percentile per-packet one-way delay: 891.387 ms

Loss rate: 35.11%

-- Flow 2:

Average throughput: 38.30 Mbit/s

95th percentile per-packet one-way delay: 1499.801 ms

Loss rate: 15.25%

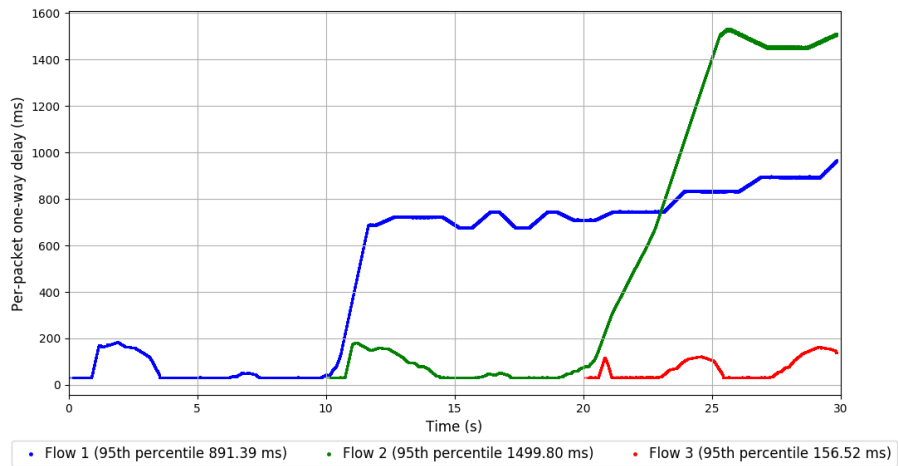
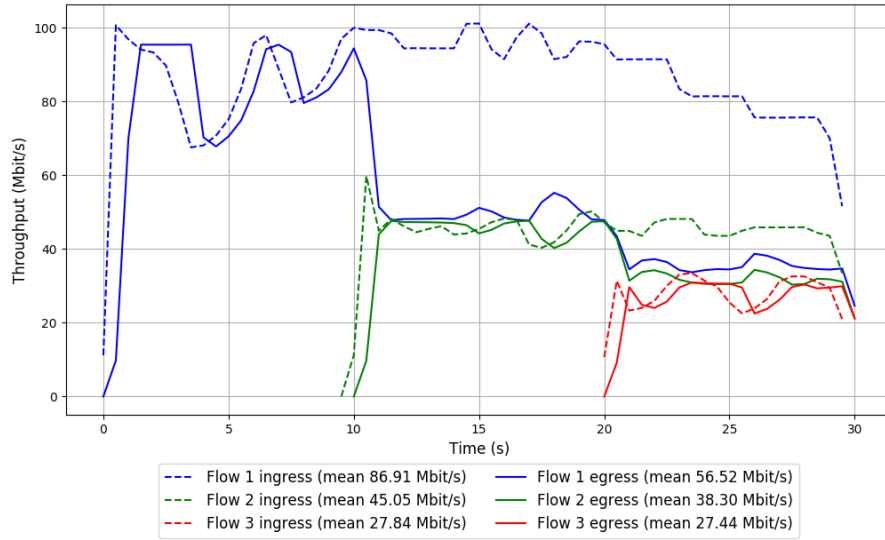
-- Flow 3:

Average throughput: 27.44 Mbit/s

95th percentile per-packet one-way delay: 156.524 ms

Loss rate: 2.08%

### Run 4: Report of PCC-Expr — Data Link



Run 5: Statistics of PCC-Expr

Start at: 2019-08-27 14:17:08

End at: 2019-08-27 14:17:38

Local clock offset: -0.569 ms

Remote clock offset: 4.336 ms

# Below is generated by plot.py at 2019-08-27 14:57:16

# Datalink statistics

-- Total of 3 flows:

Average throughput: 92.00 Mbit/s

95th percentile per-packet one-way delay: 1071.298 ms

Loss rate: 25.25%

-- Flow 1:

Average throughput: 57.24 Mbit/s

95th percentile per-packet one-way delay: 844.953 ms

Loss rate: 32.66%

-- Flow 2:

Average throughput: 38.73 Mbit/s

95th percentile per-packet one-way delay: 1551.446 ms

Loss rate: 10.96%

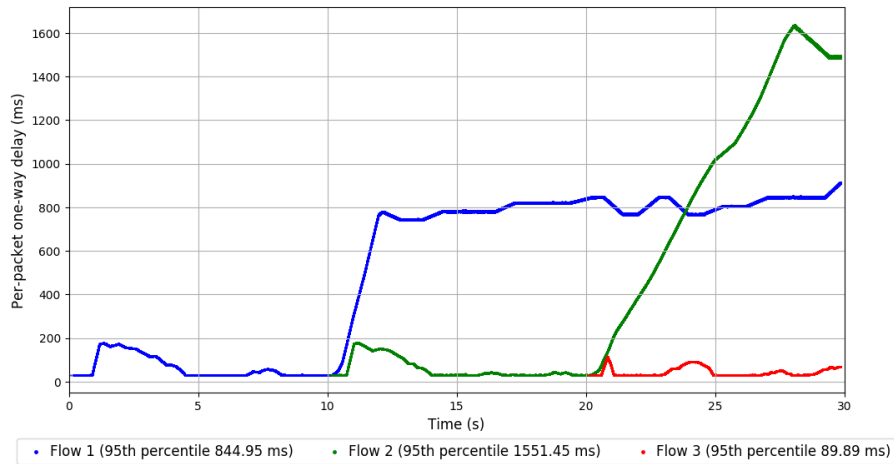
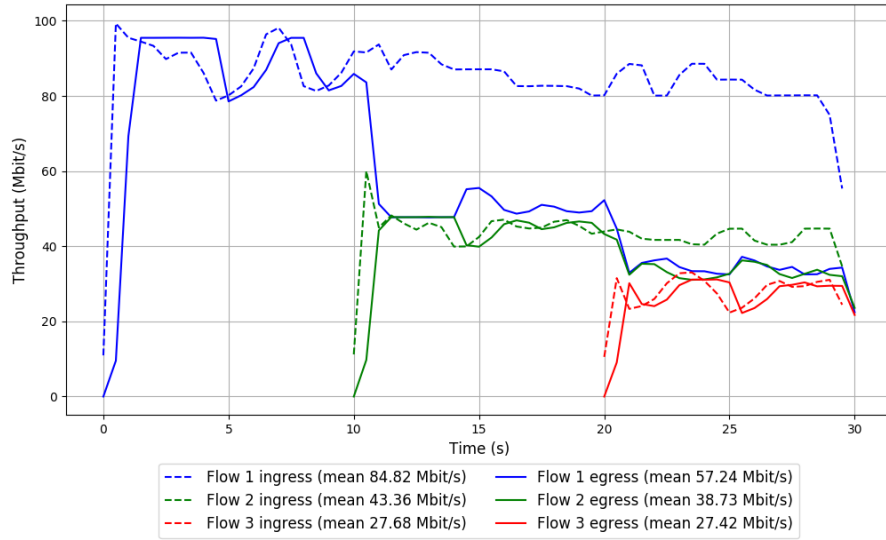
-- Flow 3:

Average throughput: 27.42 Mbit/s

95th percentile per-packet one-way delay: 89.889 ms

Loss rate: 1.56%

### Run 5: Report of PCC-Expr — Data Link





Run 1: Statistics of QUIC Cubic

Start at: 2019-08-27 11:32:45

End at: 2019-08-27 11:33:15

Local clock offset: -0.486 ms

Remote clock offset: 4.904 ms

# Below is generated by plot.py at 2019-08-27 14:57:16

# Datalink statistics

-- Total of 3 flows:

Average throughput: 76.33 Mbit/s

95th percentile per-packet one-way delay: 99.338 ms

Loss rate: 0.36%

-- Flow 1:

Average throughput: 43.10 Mbit/s

95th percentile per-packet one-way delay: 88.155 ms

Loss rate: 0.21%

-- Flow 2:

Average throughput: 34.80 Mbit/s

95th percentile per-packet one-way delay: 119.806 ms

Loss rate: 0.38%

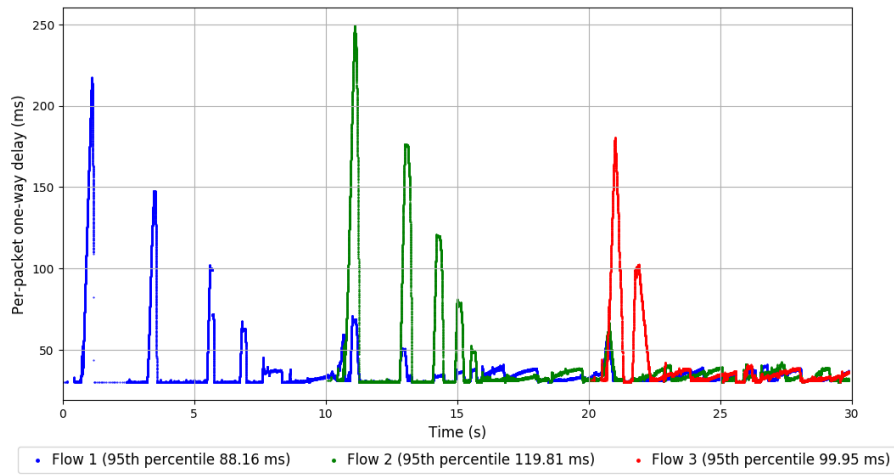
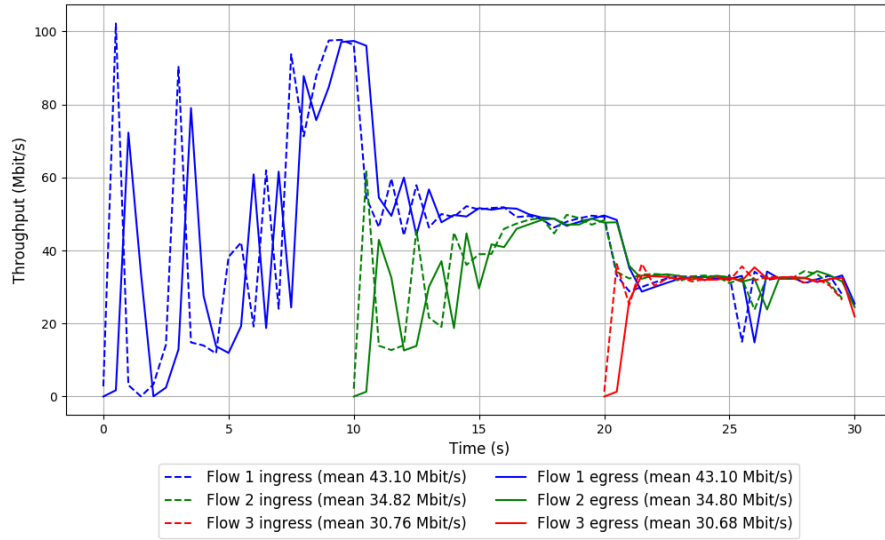
-- Flow 3:

Average throughput: 30.68 Mbit/s

95th percentile per-packet one-way delay: 99.950 ms

Loss rate: 0.91%

### Run 1: Report of QUIC Cubic — Data Link



Run 2: Statistics of QUIC Cubic

Start at: 2019-08-27 12:10:18

End at: 2019-08-27 12:10:48

Local clock offset: -0.608 ms

Remote clock offset: 6.37 ms

# Below is generated by plot.py at 2019-08-27 14:57:16

# Datalink statistics

-- Total of 3 flows:

Average throughput: 85.89 Mbit/s

95th percentile per-packet one-way delay: 70.796 ms

Loss rate: 0.33%

-- Flow 1:

Average throughput: 57.53 Mbit/s

95th percentile per-packet one-way delay: 42.438 ms

Loss rate: 0.20%

-- Flow 2:

Average throughput: 31.22 Mbit/s

95th percentile per-packet one-way delay: 126.963 ms

Loss rate: 0.39%

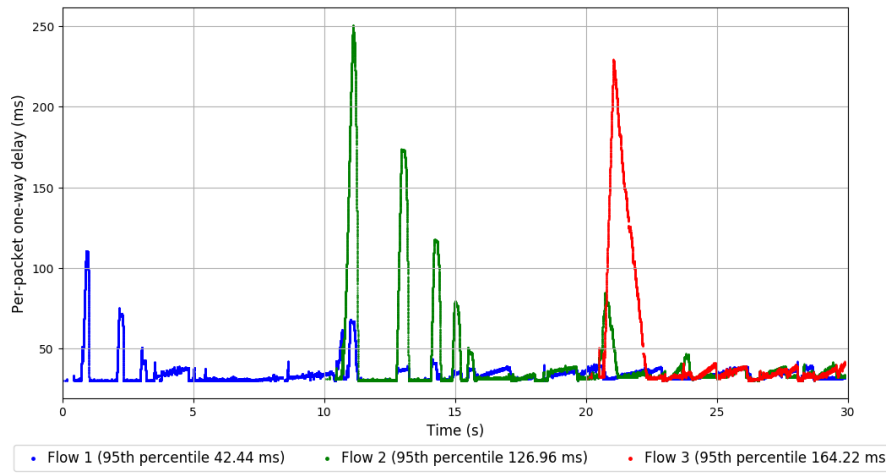
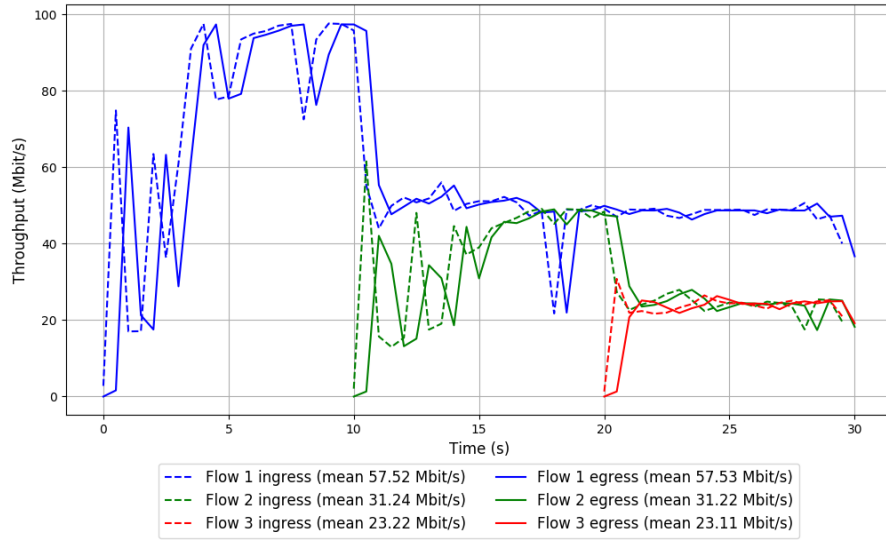
-- Flow 3:

Average throughput: 23.11 Mbit/s

95th percentile per-packet one-way delay: 164.217 ms

Loss rate: 1.16%

## Run 2: Report of QUIC Cubic — Data Link



Run 3: Statistics of QUIC Cubic

Start at: 2019-08-27 12:49:11

End at: 2019-08-27 12:49:41

Local clock offset: -0.676 ms

Remote clock offset: 5.568 ms

# Below is generated by plot.py at 2019-08-27 14:57:16

# Datalink statistics

-- Total of 3 flows:

Average throughput: 77.07 Mbit/s

95th percentile per-packet one-way delay: 103.953 ms

Loss rate: 0.37%

-- Flow 1:

Average throughput: 41.38 Mbit/s

95th percentile per-packet one-way delay: 97.690 ms

Loss rate: 0.17%

-- Flow 2:

Average throughput: 42.12 Mbit/s

95th percentile per-packet one-way delay: 108.776 ms

Loss rate: 0.47%

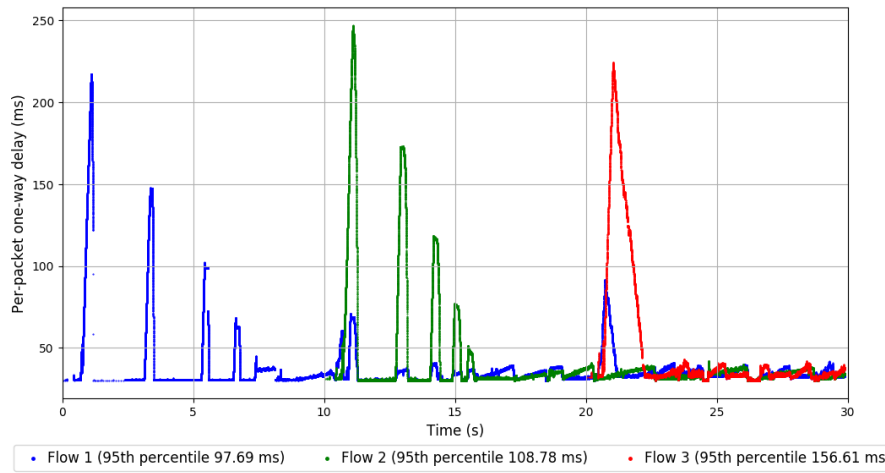
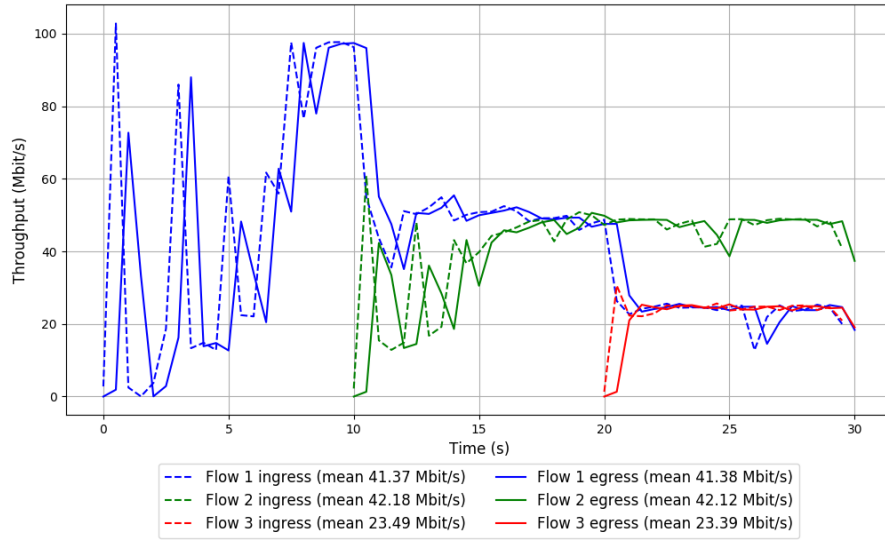
-- Flow 3:

Average throughput: 23.39 Mbit/s

95th percentile per-packet one-way delay: 156.613 ms

Loss rate: 1.09%

### Run 3: Report of QUIC Cubic — Data Link



Run 4: Statistics of QUIC Cubic

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

End at: 2019-08-27 13:27:48

Local clock offset: -0.645 ms

Remote clock offset: 4.273 ms

# Below is generated by plot.py at 2019-08-27 14:57:16

# Datalink statistics

-- Total of 3 flows:

Average throughput: 77.28 Mbit/s

95th percentile per-packet one-way delay: 95.489 ms

Loss rate: 0.35%

-- Flow 1:

Average throughput: 43.20 Mbit/s

95th percentile per-packet one-way delay: 89.563 ms

Loss rate: 0.22%

-- Flow 2:

Average throughput: 36.07 Mbit/s

95th percentile per-packet one-way delay: 104.156 ms

Loss rate: 0.37%

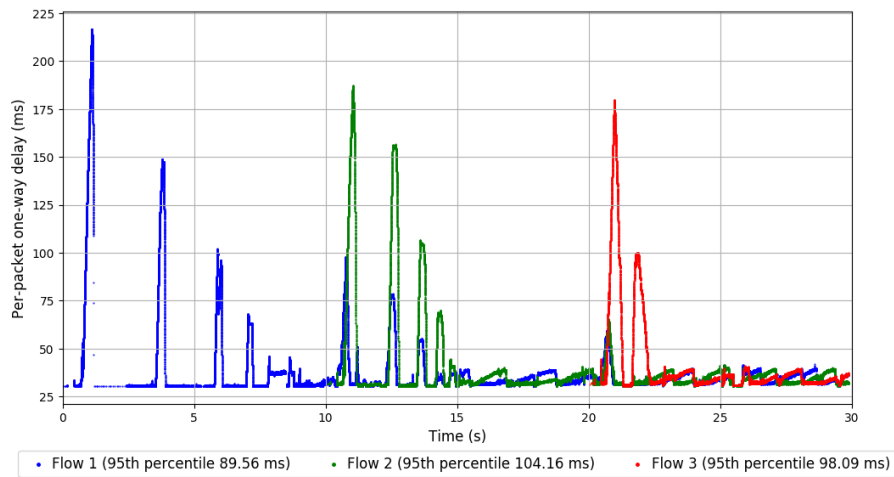
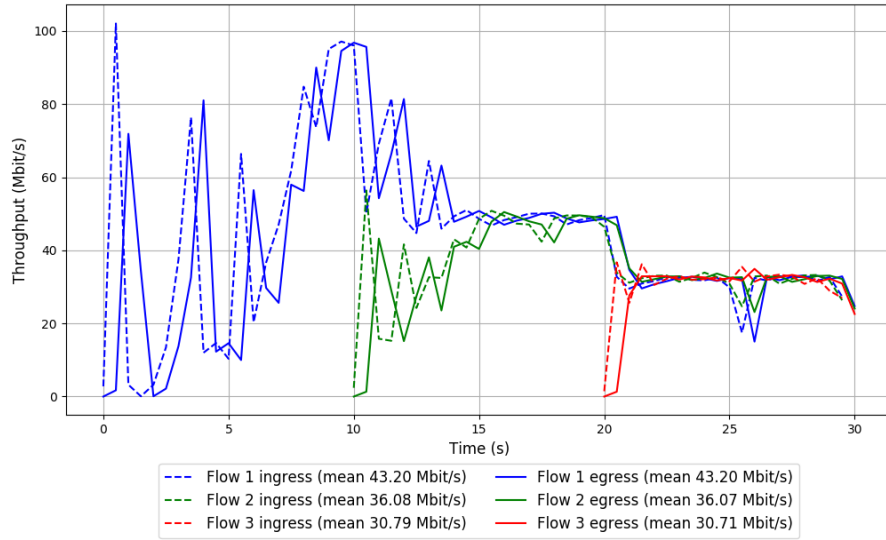
-- Flow 3:

Average throughput: 30.71 Mbit/s

95th percentile per-packet one-way delay: 98.092 ms

Loss rate: 0.89%

### Run 4: Report of QUIC Cubic — Data Link





Run 5: Statistics of QUIC Cubic

Start at: 2019-08-27 14:06:31

End at: 2019-08-27 14:07:01

Local clock offset: -0.62 ms

Remote clock offset: 4.956 ms

# Below is generated by plot.py at 2019-08-27 14:57:19

# Datalink statistics

-- Total of 3 flows:

Average throughput: 76.04 Mbit/s

95th percentile per-packet one-way delay: 100.262 ms

Loss rate: 0.36%

-- Flow 1:

Average throughput: 42.82 Mbit/s

95th percentile per-packet one-way delay: 93.446 ms

Loss rate: 0.20%

-- Flow 2:

Average throughput: 34.66 Mbit/s

95th percentile per-packet one-way delay: 120.102 ms

Loss rate: 0.42%

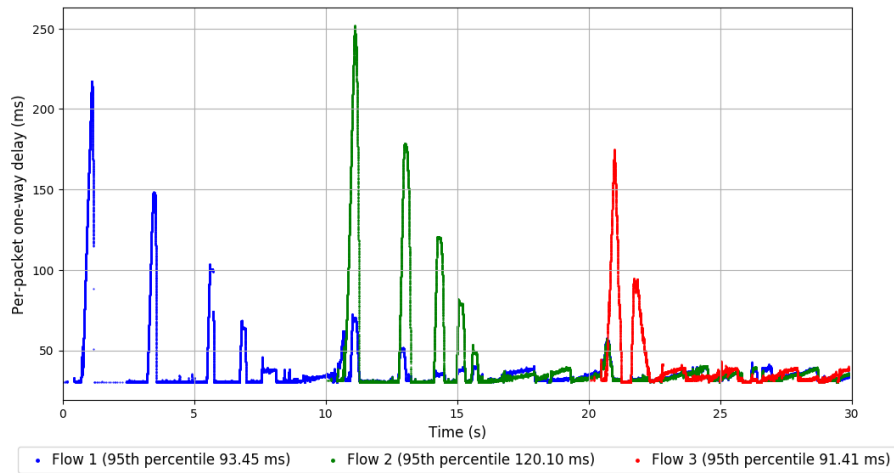
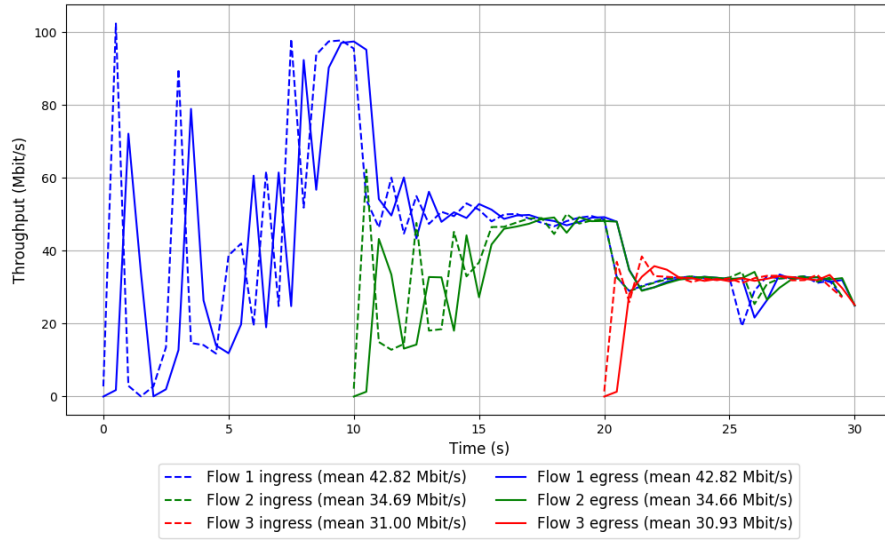
-- Flow 3:

Average throughput: 30.93 Mbit/s

95th percentile per-packet one-way delay: 91.411 ms

Loss rate: 0.88%

### Run 5: Report of QUIC Cubic — Data Link



Run 1: Statistics of SCReAM

Start at: 2019-08-27 11:31:36

End at: 2019-08-27 11:32:06

Local clock offset: -0.481 ms

Remote clock offset: 4.887 ms

# Below is generated by plot.py at 2019-08-27 14:57:19

# Datalink statistics

-- Total of 3 flows:

Average throughput: 0.43 Mbit/s

95th percentile per-packet one-way delay: 30.407 ms

Loss rate: 0.31%

-- Flow 1:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 30.435 ms

Loss rate: 0.13%

-- Flow 2:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 30.359 ms

Loss rate: 0.40%

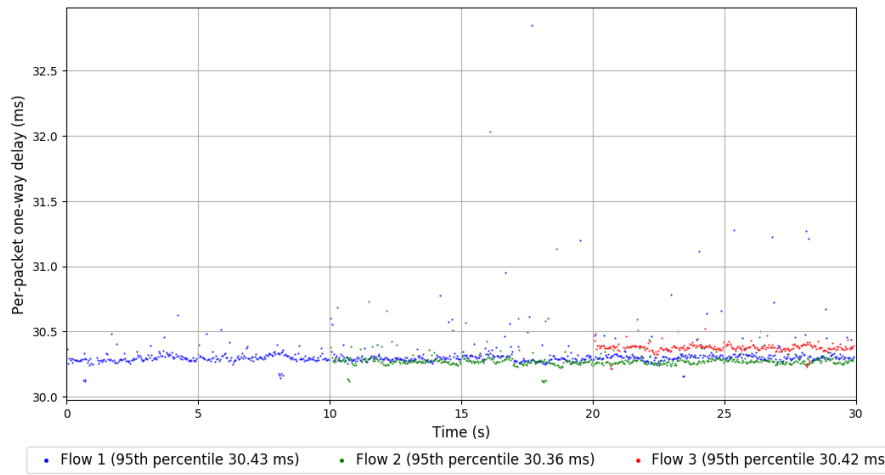
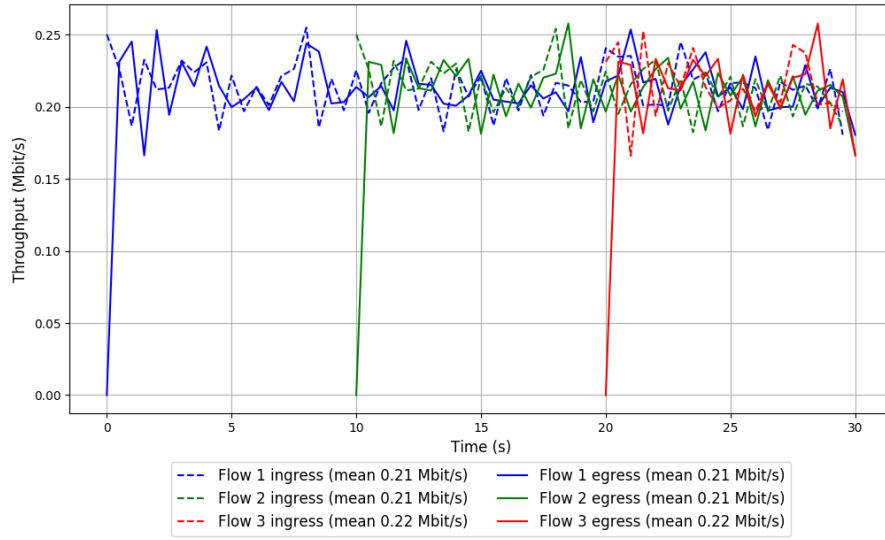
-- Flow 3:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 30.422 ms

Loss rate: 0.71%

# Run 1: Report of SCReAM — Data Link



Run 2: Statistics of SCReAM

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

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

Local clock offset: -0.598 ms

Remote clock offset: 6.345 ms

# Below is generated by plot.py at 2019-08-27 14:57:19

# Datalink statistics

-- Total of 3 flows:

Average throughput: 0.43 Mbit/s

95th percentile per-packet one-way delay: 30.492 ms

Loss rate: 0.38%

-- Flow 1:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 30.453 ms

Loss rate: 0.26%

-- Flow 2:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 30.464 ms

Loss rate: 0.40%

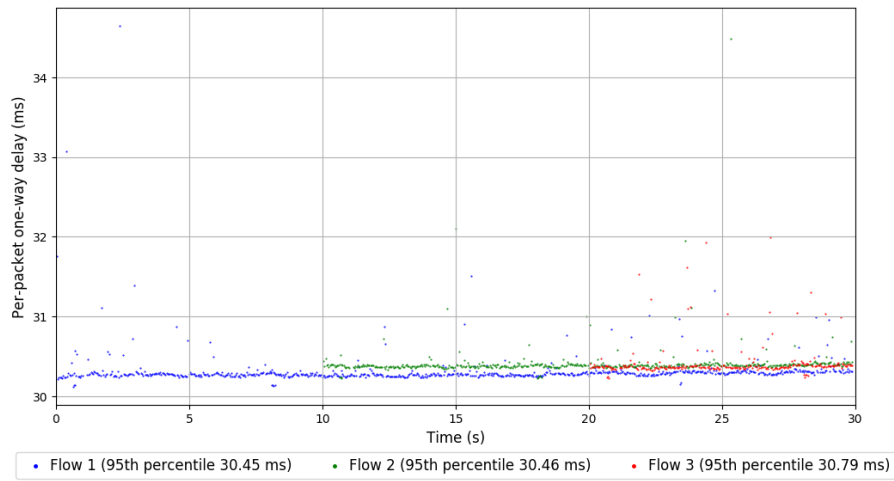
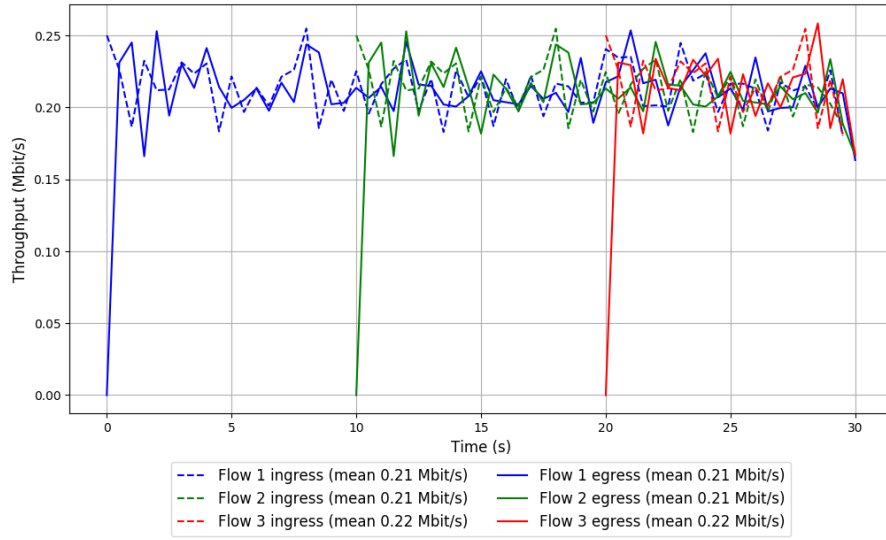
-- Flow 3:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 30.786 ms

Loss rate: 0.71%

## Run 2: Report of SCReAM — Data Link



Run 3: Statistics of SCReAM

Start at: 2019-08-27 12:48:02

End at: 2019-08-27 12:48:32

Local clock offset: -0.677 ms

Remote clock offset: 6.062 ms

# Below is generated by plot.py at 2019-08-27 14:57:19

# Datalink statistics

-- Total of 3 flows:

Average throughput: 0.43 Mbit/s

95th percentile per-packet one-way delay: 30.292 ms

Loss rate: 0.38%

-- Flow 1:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 30.290 ms

Loss rate: 0.26%

-- Flow 2:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 30.329 ms

Loss rate: 0.40%

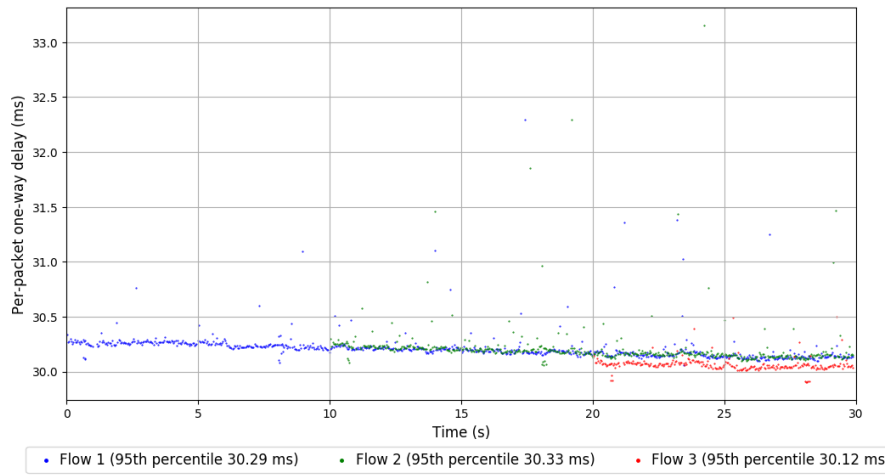
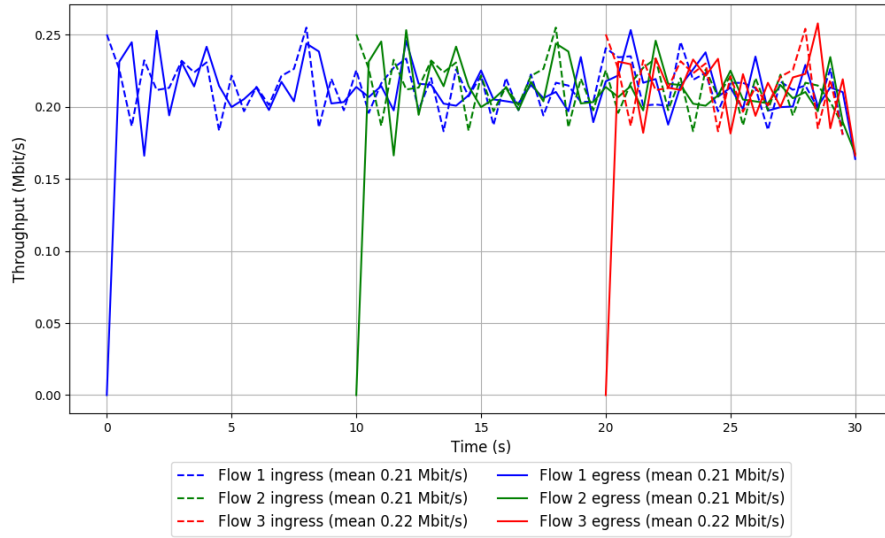
-- Flow 3:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 30.124 ms

Loss rate: 0.71%

### Run 3: Report of SCReAM — Data Link





Run 4: Statistics of SCReAM

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

End at: 2019-08-27 13:26:38

Local clock offset: -0.652 ms

Remote clock offset: 4.032 ms

# Below is generated by plot.py at 2019-08-27 14:57:19

# Datalink statistics

-- Total of 3 flows:

Average throughput: 0.43 Mbit/s

95th percentile per-packet one-way delay: 30.696 ms

Loss rate: 0.19%

-- Flow 1:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 30.744 ms

Loss rate: 0.13%

-- Flow 2:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 30.627 ms

Loss rate: 0.19%

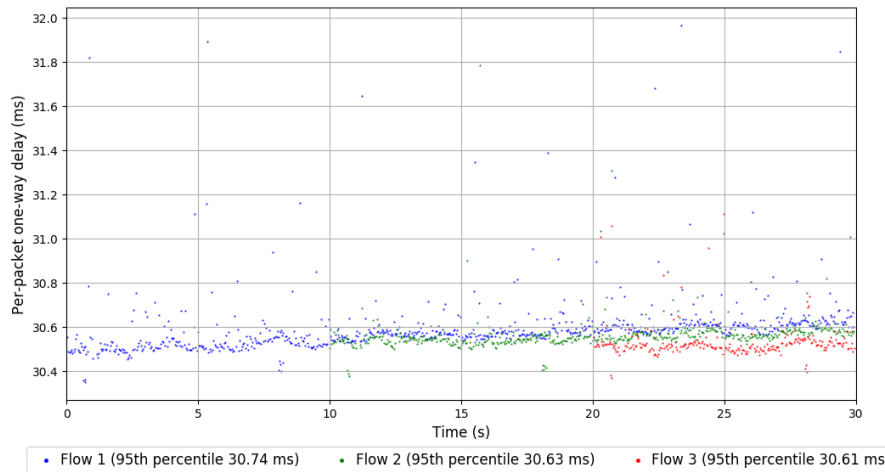
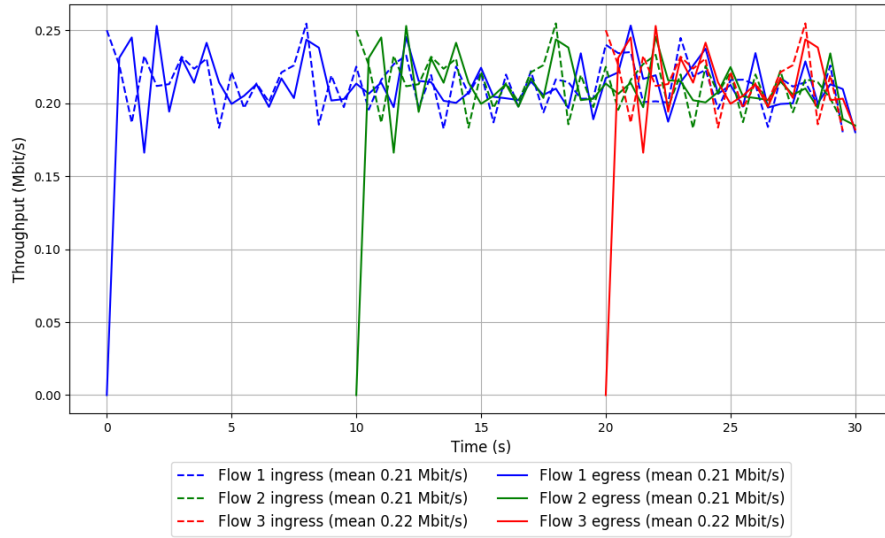
-- Flow 3:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 30.607 ms

Loss rate: 0.36%

### Run 4: Report of SCReAM — Data Link



Run 5: Statistics of SCReAM

Start at: 2019-08-27 14:05:21

End at: 2019-08-27 14:05:51

Local clock offset: -0.694 ms

Remote clock offset: 5.195 ms

# Below is generated by plot.py at 2019-08-27 14:57:19

# Datalink statistics

-- Total of 3 flows:

Average throughput: 0.43 Mbit/s

95th percentile per-packet one-way delay: 30.353 ms

Loss rate: 0.38%

-- Flow 1:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 30.246 ms

Loss rate: 0.26%

-- Flow 2:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 30.330 ms

Loss rate: 0.40%

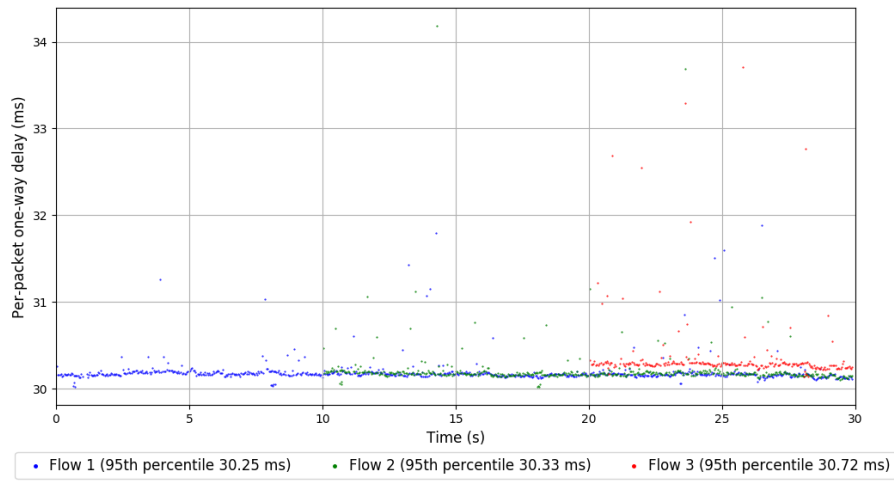
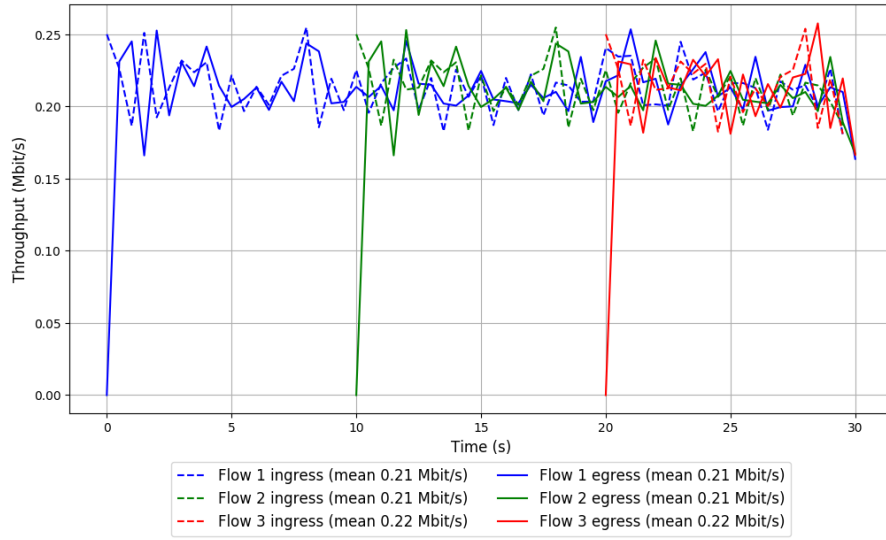
-- Flow 3:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 30.717 ms

Loss rate: 0.71%

### Run 5: Report of SCReAM — Data Link



Run 1: Statistics of Sprout

Start at: 2019-08-27 11:28:41

End at: 2019-08-27 11:29:11

Local clock offset: -0.499 ms

Remote clock offset: 4.989 ms

# Below is generated by plot.py at 2019-08-27 14:57:19

# Datalink statistics

-- Total of 3 flows:

Average throughput: 23.84 Mbit/s

95th percentile per-packet one-way delay: 39.155 ms

Loss rate: 0.35%

-- Flow 1:

Average throughput: 12.08 Mbit/s

95th percentile per-packet one-way delay: 38.894 ms

Loss rate: 0.27%

-- Flow 2:

Average throughput: 11.97 Mbit/s

95th percentile per-packet one-way delay: 39.222 ms

Loss rate: 0.41%

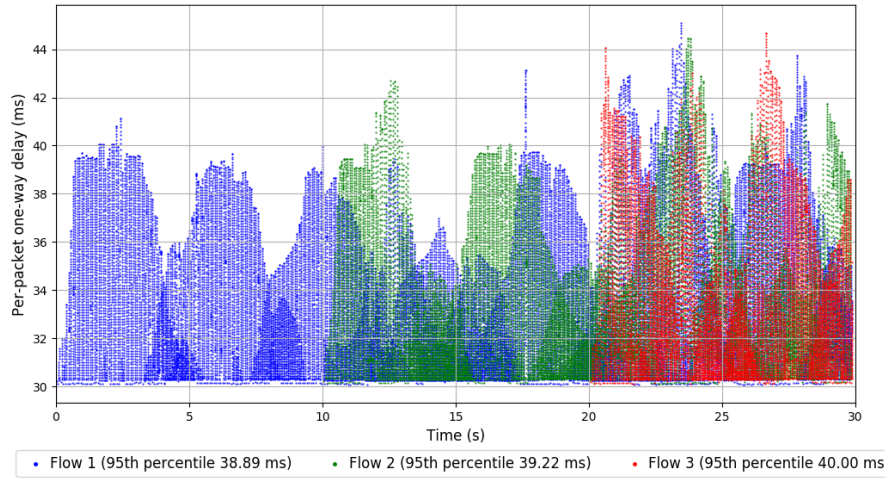
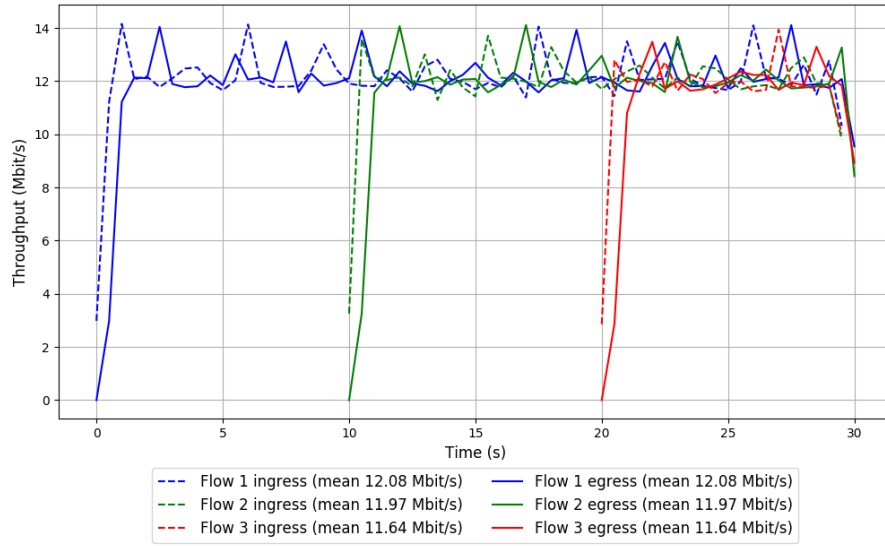
-- Flow 3:

Average throughput: 11.64 Mbit/s

95th percentile per-packet one-way delay: 40.004 ms

Loss rate: 0.48%

Run 1: Report of Sprout — Data Link



Run 2: Statistics of Sprout

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

End at: 2019-08-27 12:06:42

Local clock offset: -0.575 ms

Remote clock offset: 6.23 ms

# Below is generated by plot.py at 2019-08-27 14:57:19

# Datalink statistics

-- Total of 3 flows:

Average throughput: 23.86 Mbit/s

95th percentile per-packet one-way delay: 38.557 ms

Loss rate: 0.34%

-- Flow 1:

Average throughput: 12.07 Mbit/s

95th percentile per-packet one-way delay: 38.557 ms

Loss rate: 0.12%

-- Flow 2:

Average throughput: 11.97 Mbit/s

95th percentile per-packet one-way delay: 38.471 ms

Loss rate: 0.41%

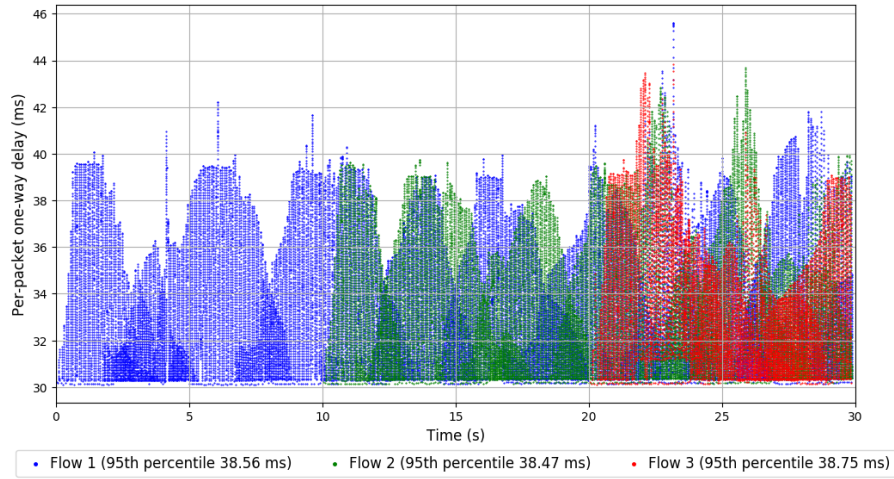
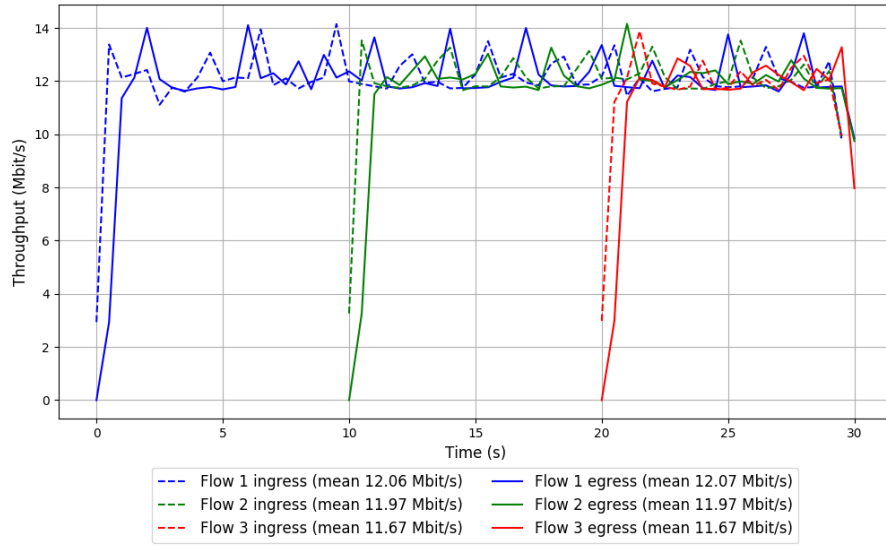
-- Flow 3:

Average throughput: 11.67 Mbit/s

95th percentile per-packet one-way delay: 38.747 ms

Loss rate: 0.86%

Run 2: Report of Sprout — Data Link



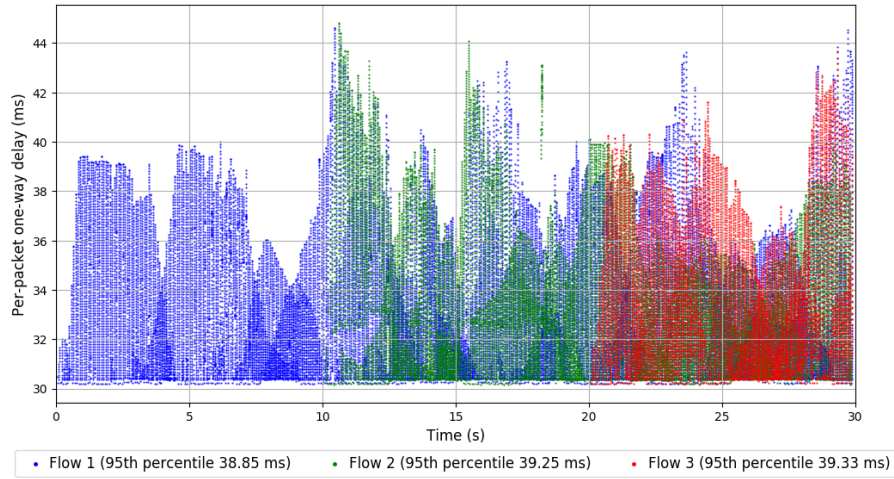
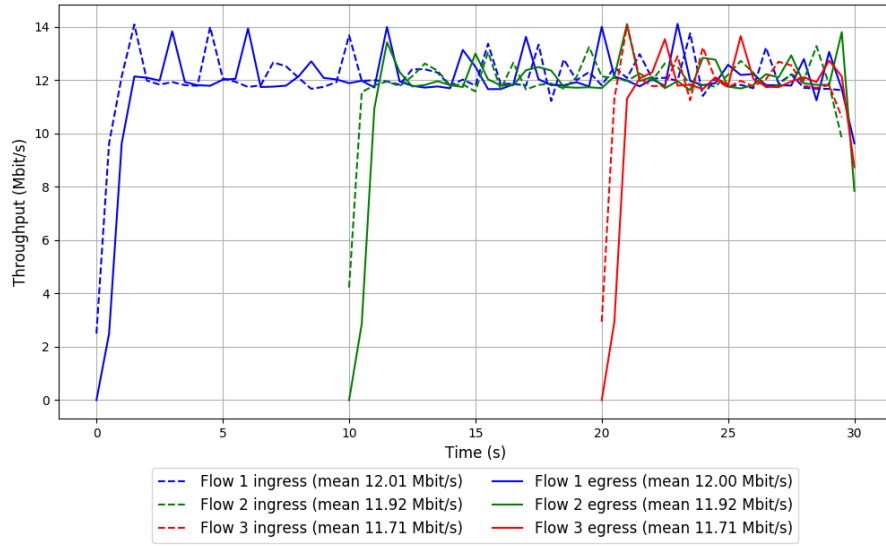


Run 3: Statistics of Sprout

Start at: 2019-08-27 12:45:19  
End at: 2019-08-27 12:45:49  
Local clock offset: -0.668 ms  
Remote clock offset: 6.436 ms

```
# Below is generated by plot.py at 2019-08-27 14:57:19
# Datalink statistics
-- Total of 3 flows:
Average throughput: 23.76 Mbit/s
95th percentile per-packet one-way delay: 39.065 ms
Loss rate: 0.41%
-- Flow 1:
Average throughput: 12.00 Mbit/s
95th percentile per-packet one-way delay: 38.847 ms
Loss rate: 0.28%
-- Flow 2:
Average throughput: 11.92 Mbit/s
95th percentile per-packet one-way delay: 39.249 ms
Loss rate: 0.42%
-- Flow 3:
Average throughput: 11.71 Mbit/s
95th percentile per-packet one-way delay: 39.333 ms
Loss rate: 0.81%
```

### Run 3: Report of Sprout — Data Link



Run 4: Statistics of Sprout

Start at: 2019-08-27 13:23:26

End at: 2019-08-27 13:23:56

Local clock offset: -0.672 ms

Remote clock offset: 3.276 ms

# Below is generated by plot.py at 2019-08-27 14:57:19

# Datalink statistics

-- Total of 3 flows:

Average throughput: 23.76 Mbit/s

95th percentile per-packet one-way delay: 38.781 ms

Loss rate: 0.38%

-- Flow 1:

Average throughput: 12.00 Mbit/s

95th percentile per-packet one-way delay: 37.940 ms

Loss rate: 0.27%

-- Flow 2:

Average throughput: 11.95 Mbit/s

95th percentile per-packet one-way delay: 39.262 ms

Loss rate: 0.32%

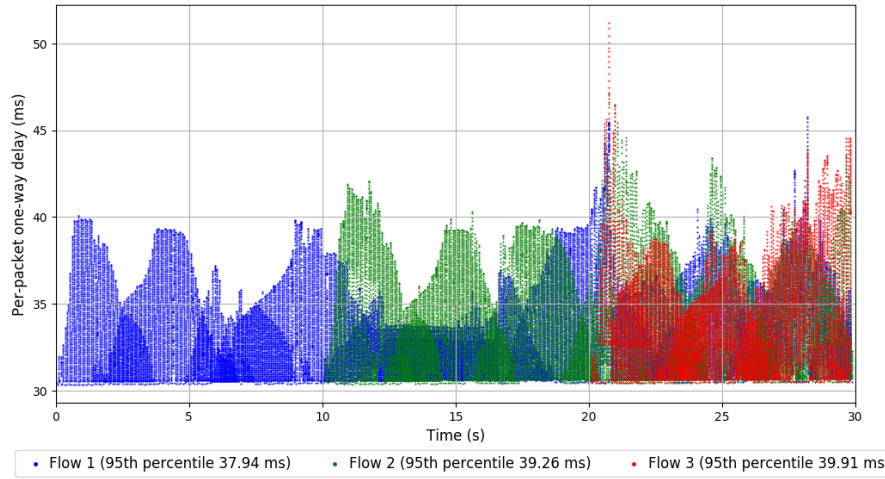
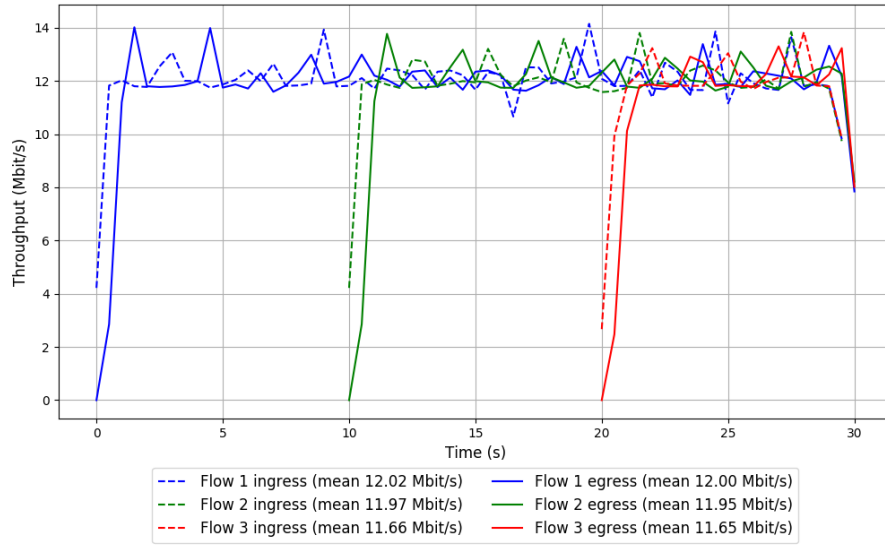
-- Flow 3:

Average throughput: 11.65 Mbit/s

95th percentile per-packet one-way delay: 39.910 ms

Loss rate: 0.86%

Run 4: Report of Sprout — Data Link



Run 5: Statistics of Sprout

Start at: 2019-08-27 14:02:14

End at: 2019-08-27 14:02:44

Local clock offset: -0.693 ms

Remote clock offset: 5.547 ms

# Below is generated by plot.py at 2019-08-27 14:57:19

# Datalink statistics

-- Total of 3 flows:

Average throughput: 23.70 Mbit/s

95th percentile per-packet one-way delay: 37.837 ms

Loss rate: 0.27%

-- Flow 1:

Average throughput: 11.90 Mbit/s

95th percentile per-packet one-way delay: 37.304 ms

Loss rate: 0.14%

-- Flow 2:

Average throughput: 11.92 Mbit/s

95th percentile per-packet one-way delay: 37.742 ms

Loss rate: 0.26%

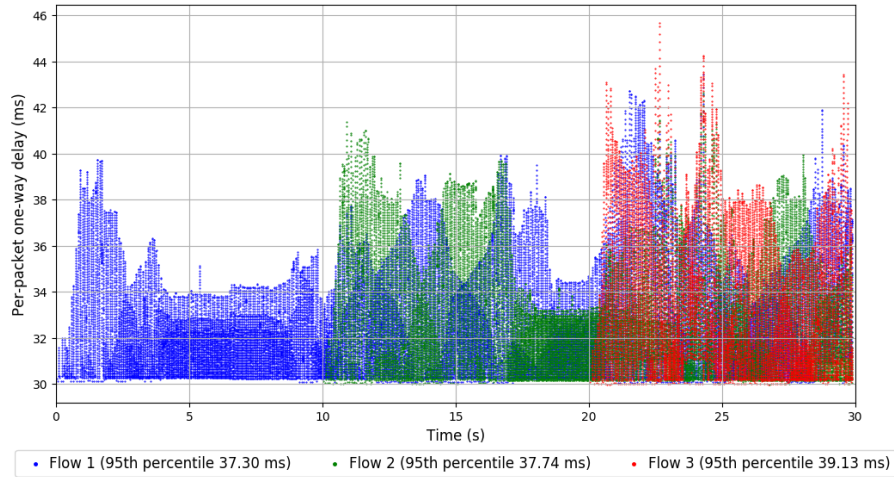
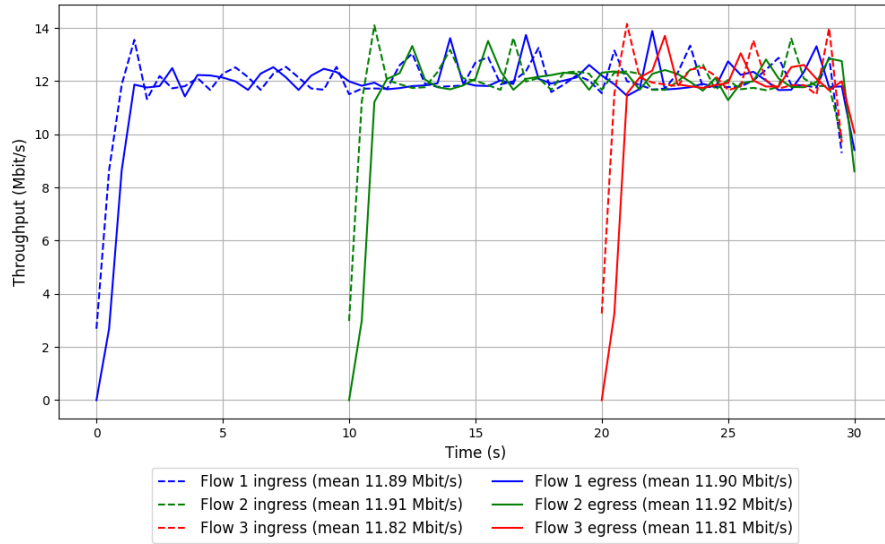
-- Flow 3:

Average throughput: 11.81 Mbit/s

95th percentile per-packet one-way delay: 39.135 ms

Loss rate: 0.70%

### Run 5: Report of Sprout — Data Link



Run 1: Statistics of TaoVA-100x

Start at: 2019-08-27 11:38:48

End at: 2019-08-27 11:39:18

Local clock offset: -0.531 ms

Remote clock offset: 5.084 ms

# Below is generated by plot.py at 2019-08-27 14:58:58

# Datalink statistics

-- Total of 3 flows:

Average throughput: 92.65 Mbit/s

95th percentile per-packet one-way delay: 110.253 ms

Loss rate: 0.68%

-- Flow 1:

Average throughput: 53.77 Mbit/s

95th percentile per-packet one-way delay: 104.978 ms

Loss rate: 0.45%

-- Flow 2:

Average throughput: 46.38 Mbit/s

95th percentile per-packet one-way delay: 99.776 ms

Loss rate: 0.55%

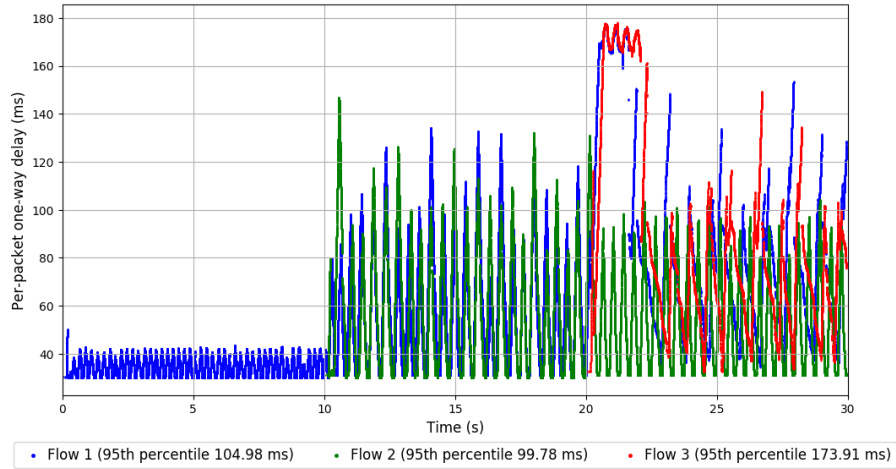
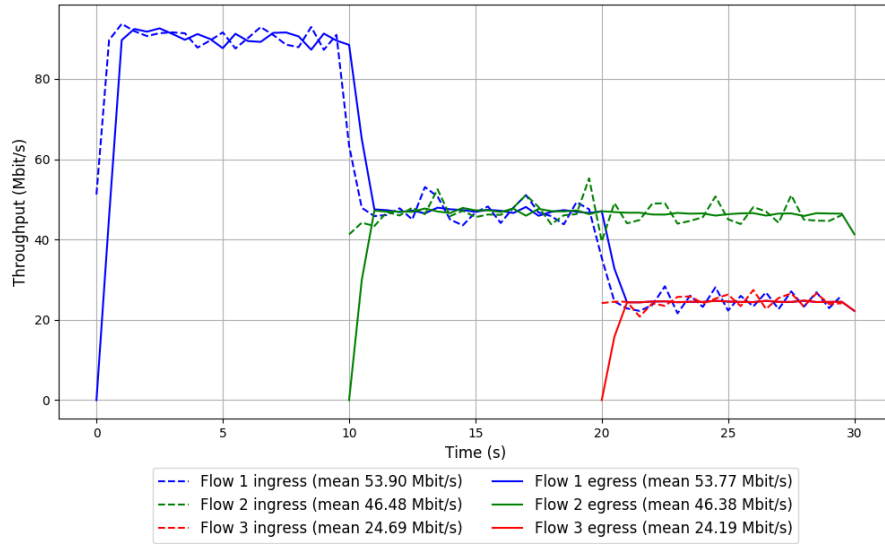
-- Flow 3:

Average throughput: 24.19 Mbit/s

95th percentile per-packet one-way delay: 173.912 ms

Loss rate: 2.67%

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





Run 2: Statistics of TaoVA-100x

Start at: 2019-08-27 12:16:56

End at: 2019-08-27 12:17:26

Local clock offset: -0.6 ms

Remote clock offset: 6.082 ms

# Below is generated by plot.py at 2019-08-27 14:59:00

# Datalink statistics

-- Total of 3 flows:

Average throughput: 92.65 Mbit/s

95th percentile per-packet one-way delay: 123.787 ms

Loss rate: 1.54%

-- Flow 1:

Average throughput: 56.19 Mbit/s

95th percentile per-packet one-way delay: 123.263 ms

Loss rate: 0.71%

-- Flow 2:

Average throughput: 39.13 Mbit/s

95th percentile per-packet one-way delay: 123.935 ms

Loss rate: 2.27%

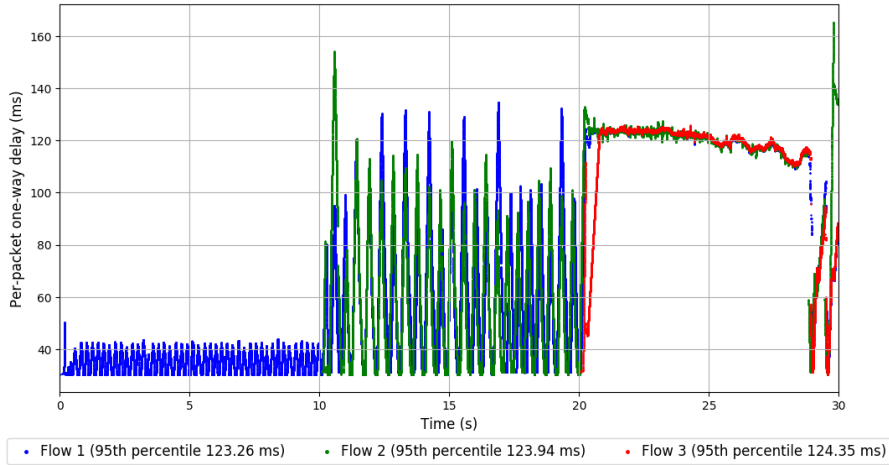
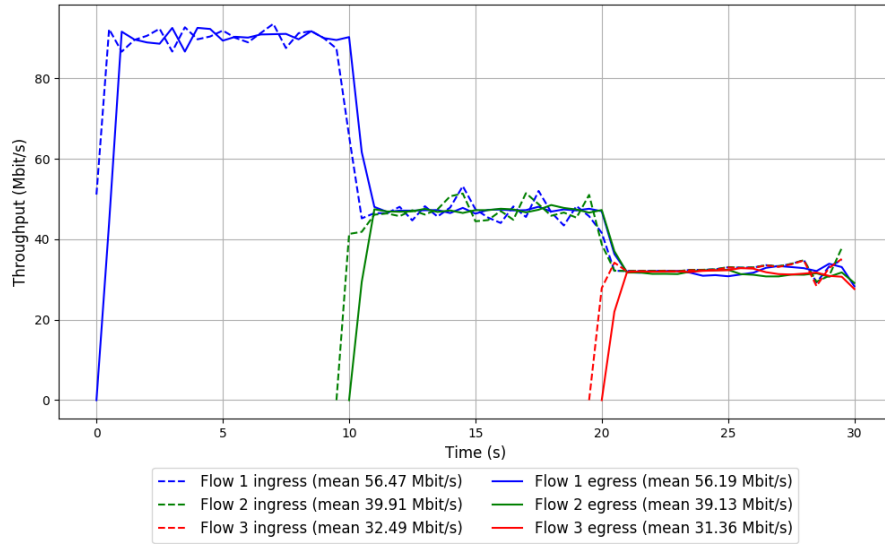
-- Flow 3:

Average throughput: 31.36 Mbit/s

95th percentile per-packet one-way delay: 124.346 ms

Loss rate: 4.09%

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



Run 3: Statistics of TaoVA-100x

Start at: 2019-08-27 12:55:20

End at: 2019-08-27 12:55:50

Local clock offset: -0.663 ms

Remote clock offset: 4.281 ms

# Below is generated by plot.py at 2019-08-27 14:59:05

# Datalink statistics

-- Total of 3 flows:

Average throughput: 92.88 Mbit/s

95th percentile per-packet one-way delay: 123.850 ms

Loss rate: 1.58%

-- Flow 1:

Average throughput: 56.13 Mbit/s

95th percentile per-packet one-way delay: 122.074 ms

Loss rate: 1.02%

-- Flow 2:

Average throughput: 39.30 Mbit/s

95th percentile per-packet one-way delay: 124.451 ms

Loss rate: 2.39%

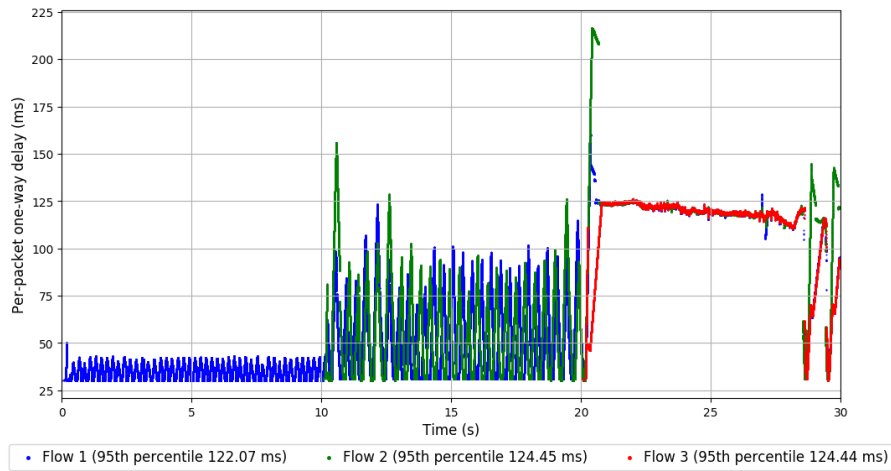
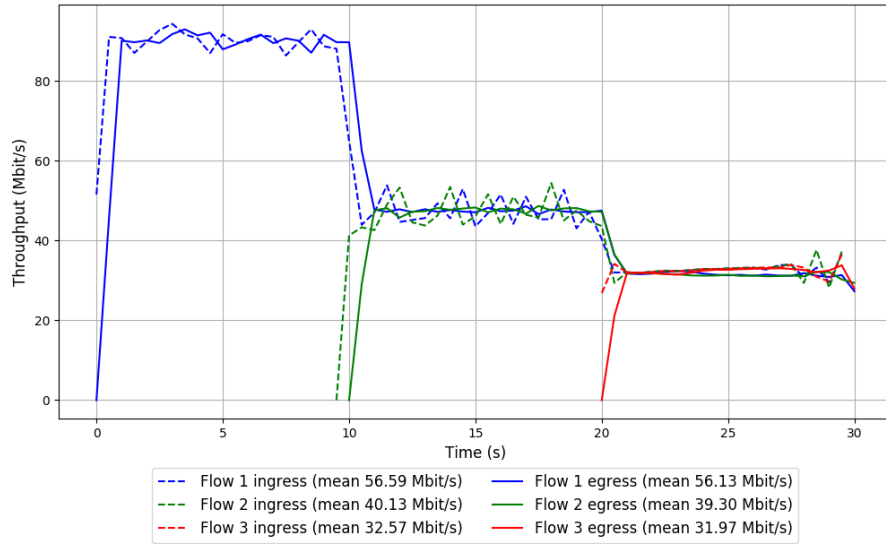
-- Flow 3:

Average throughput: 31.97 Mbit/s

95th percentile per-packet one-way delay: 124.441 ms

Loss rate: 2.50%

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



Run 4: Statistics of TaoVA-100x

Start at: 2019-08-27 13:33:34

End at: 2019-08-27 13:34:04

Local clock offset: -0.653 ms

Remote clock offset: 5.28 ms

# Below is generated by plot.py at 2019-08-27 14:59:06

# Datalink statistics

-- Total of 3 flows:

Average throughput: 92.67 Mbit/s

95th percentile per-packet one-way delay: 114.307 ms

Loss rate: 0.69%

-- Flow 1:

Average throughput: 53.75 Mbit/s

95th percentile per-packet one-way delay: 108.161 ms

Loss rate: 0.42%

-- Flow 2:

Average throughput: 46.41 Mbit/s

95th percentile per-packet one-way delay: 99.454 ms

Loss rate: 0.75%

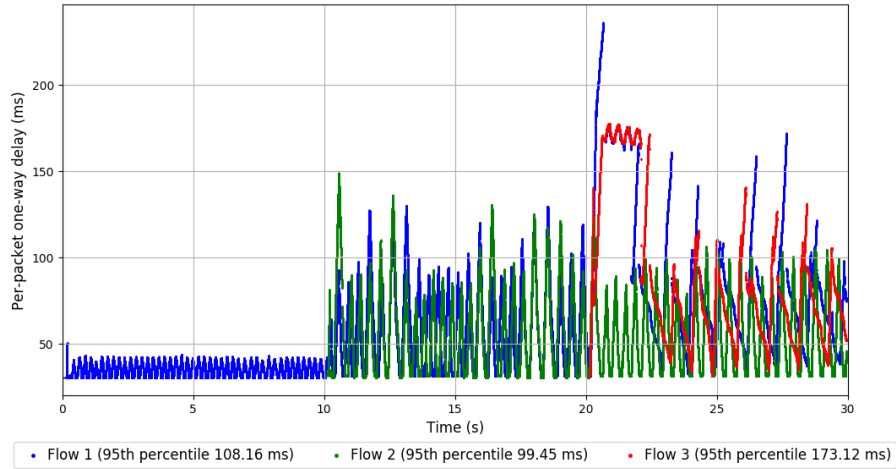
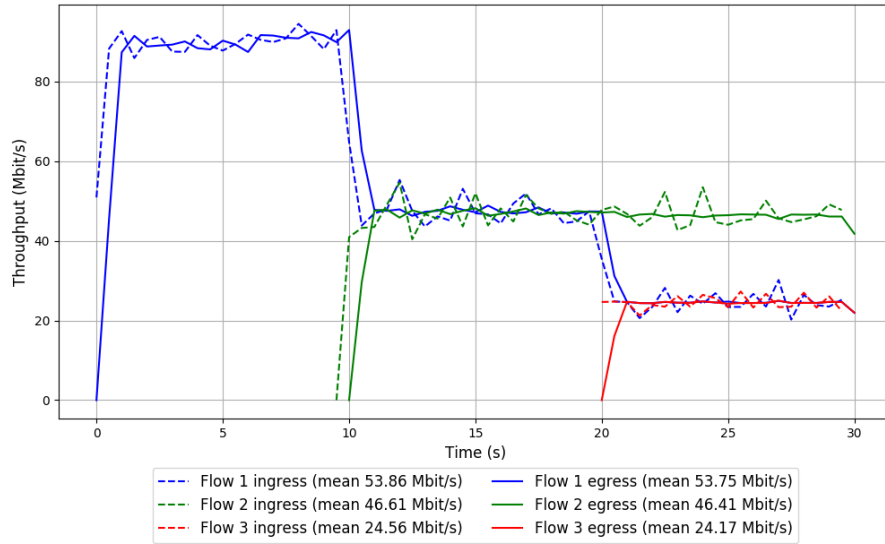
-- Flow 3:

Average throughput: 24.17 Mbit/s

95th percentile per-packet one-way delay: 173.125 ms

Loss rate: 2.23%

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



Run 5: Statistics of TaoVA-100x

Start at: 2019-08-27 14:13:11

End at: 2019-08-27 14:13:41

Local clock offset: -0.583 ms

Remote clock offset: 4.3 ms

# Below is generated by plot.py at 2019-08-27 14:59:10

# Datalink statistics

-- Total of 3 flows:

Average throughput: 92.52 Mbit/s

95th percentile per-packet one-way delay: 110.524 ms

Loss rate: 0.80%

-- Flow 1:

Average throughput: 60.75 Mbit/s

95th percentile per-packet one-way delay: 93.570 ms

Loss rate: 0.37%

-- Flow 2:

Average throughput: 35.70 Mbit/s

95th percentile per-packet one-way delay: 131.895 ms

Loss rate: 1.25%

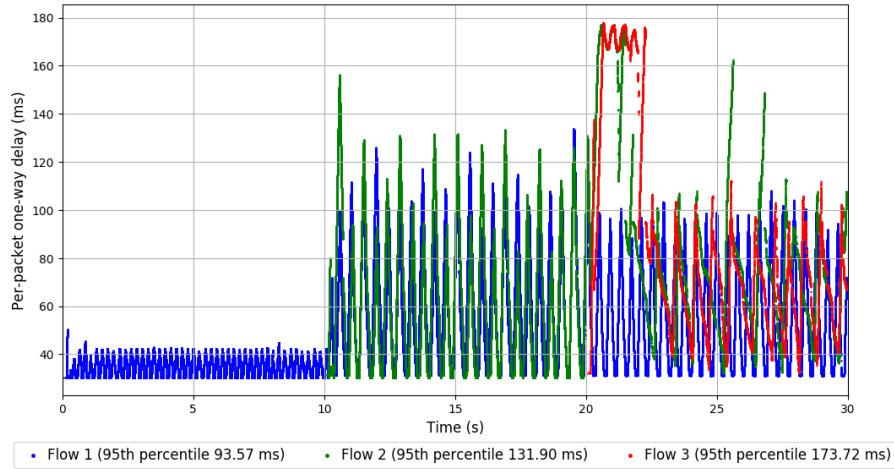
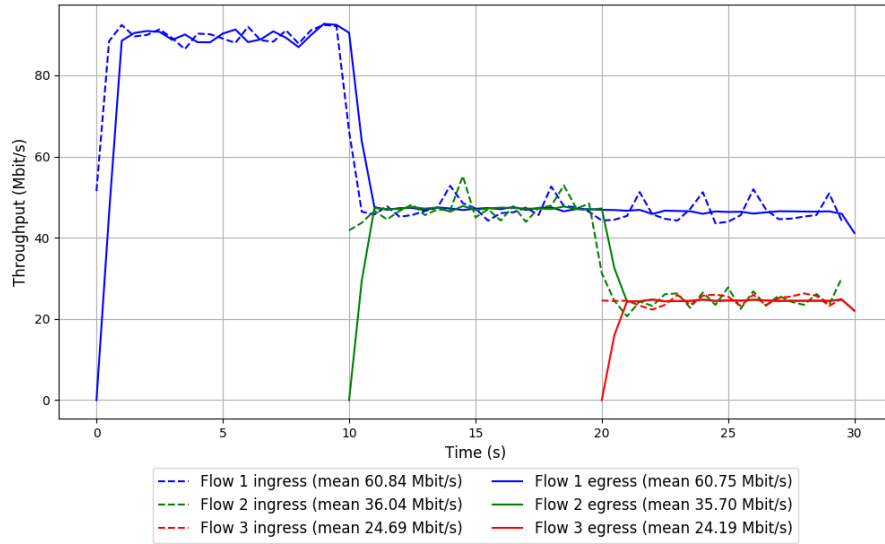
-- Flow 3:

Average throughput: 24.19 Mbit/s

95th percentile per-packet one-way delay: 173.715 ms

Loss rate: 2.67%

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





Run 1: Statistics of TCP Vegas

Start at: 2019-08-27 11:58:43

End at: 2019-08-27 11:59:13

Local clock offset: -0.555 ms

Remote clock offset: 5.923 ms

# Below is generated by plot.py at 2019-08-27 14:59:10

# Datalink statistics

-- Total of 3 flows:

Average throughput: 73.29 Mbit/s

95th percentile per-packet one-way delay: 38.389 ms

Loss rate: 0.30%

-- Flow 1:

Average throughput: 37.66 Mbit/s

95th percentile per-packet one-way delay: 48.875 ms

Loss rate: 0.19%

-- Flow 2:

Average throughput: 37.11 Mbit/s

95th percentile per-packet one-way delay: 33.469 ms

Loss rate: 0.31%

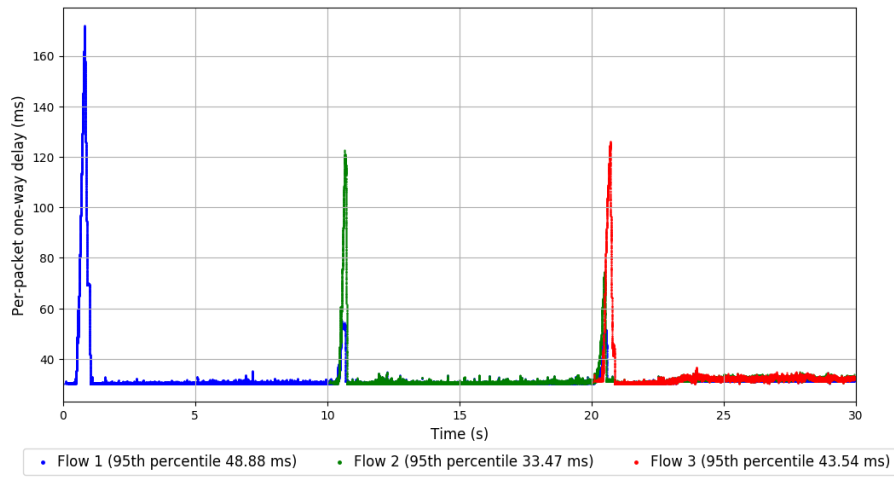
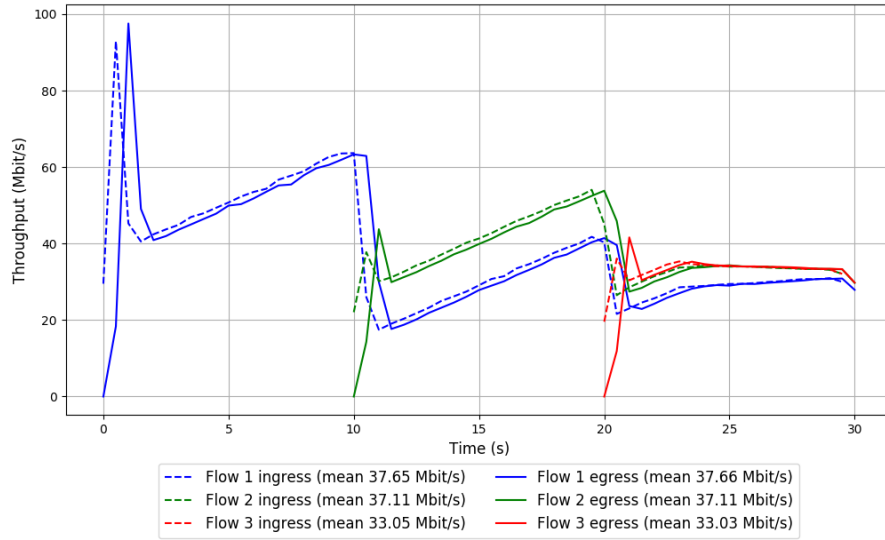
-- Flow 3:

Average throughput: 33.03 Mbit/s

95th percentile per-packet one-way delay: 43.543 ms

Loss rate: 0.68%

# Run 1: Report of TCP Vegas — Data Link



Run 2: Statistics of TCP Vegas

Start at: 2019-08-27 12:38:02

End at: 2019-08-27 12:38:32

Local clock offset: -0.662 ms

Remote clock offset: 6.2 ms

# Below is generated by plot.py at 2019-08-27 14:59:10

# Datalink statistics

-- Total of 3 flows:

Average throughput: 80.45 Mbit/s

95th percentile per-packet one-way delay: 33.638 ms

Loss rate: 0.28%

-- Flow 1:

Average throughput: 45.14 Mbit/s

95th percentile per-packet one-way delay: 33.258 ms

Loss rate: 0.16%

-- Flow 2:

Average throughput: 36.76 Mbit/s

95th percentile per-packet one-way delay: 33.003 ms

Loss rate: 0.31%

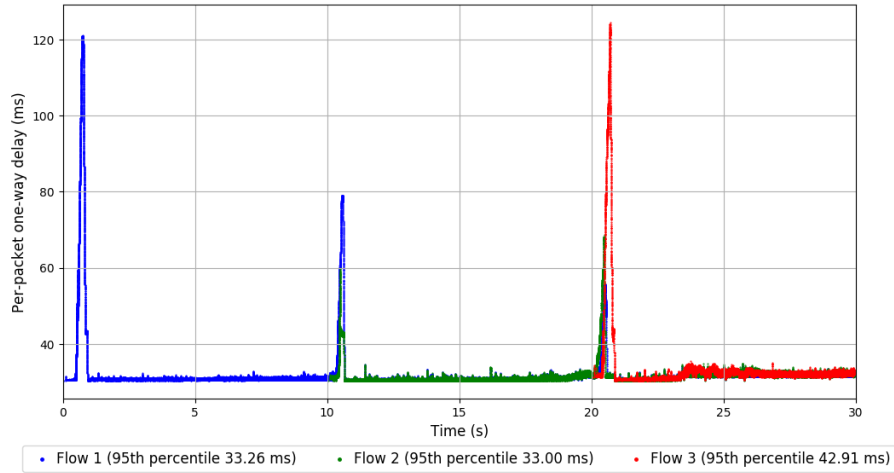
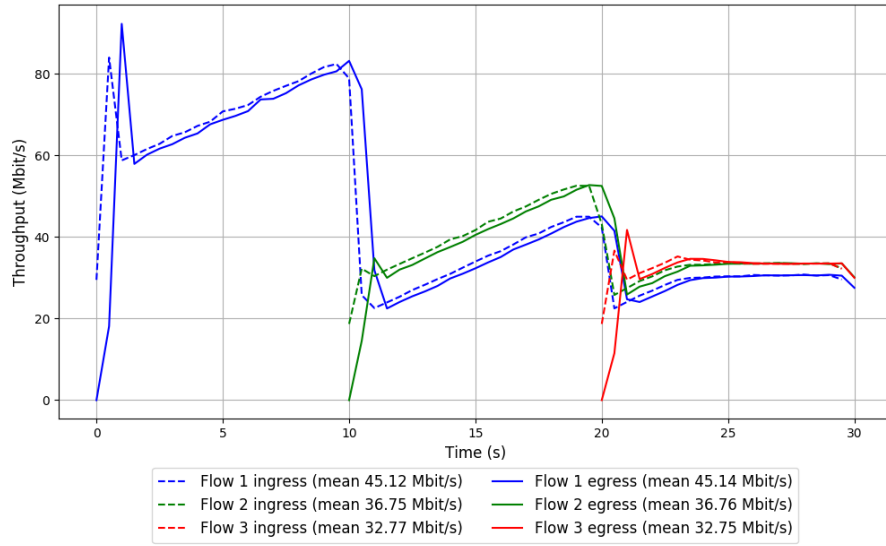
-- Flow 3:

Average throughput: 32.75 Mbit/s

95th percentile per-packet one-way delay: 42.905 ms

Loss rate: 0.69%

## Run 2: Report of TCP Vegas — Data Link



Run 3: Statistics of TCP Vegas

Start at: 2019-08-27 13:15:40

End at: 2019-08-27 13:16:10

Local clock offset: -0.622 ms

Remote clock offset: 2.74 ms

# Below is generated by plot.py at 2019-08-27 14:59:10

# Datalink statistics

-- Total of 3 flows:

Average throughput: 75.84 Mbit/s

95th percentile per-packet one-way delay: 44.035 ms

Loss rate: 0.30%

-- Flow 1:

Average throughput: 36.53 Mbit/s

95th percentile per-packet one-way delay: 52.263 ms

Loss rate: 0.18%

-- Flow 2:

Average throughput: 37.02 Mbit/s

95th percentile per-packet one-way delay: 36.254 ms

Loss rate: 0.24%

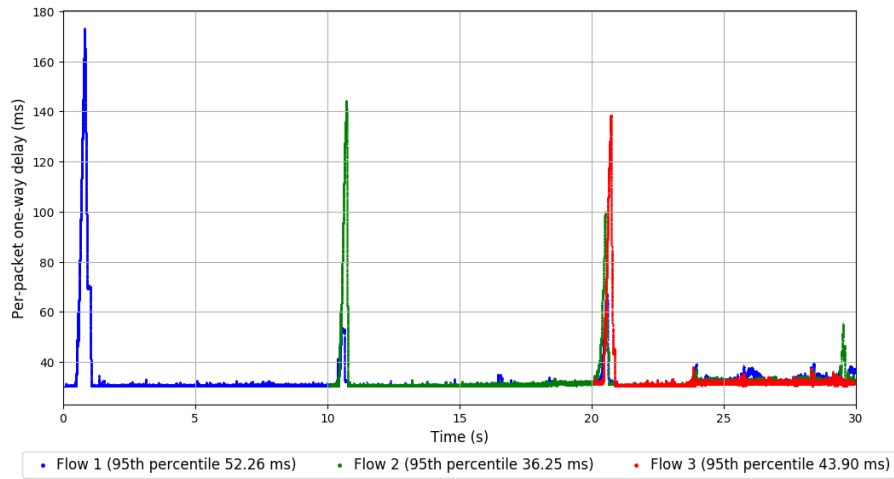
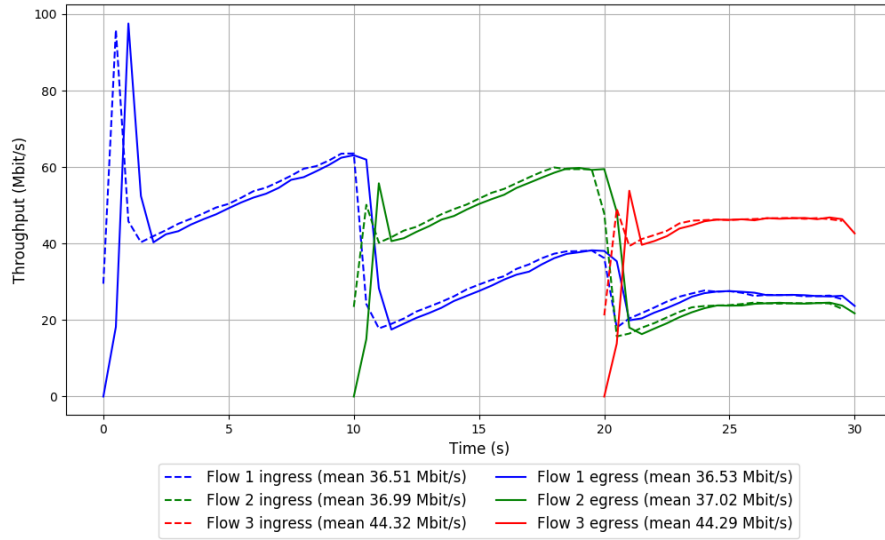
-- Flow 3:

Average throughput: 44.29 Mbit/s

95th percentile per-packet one-way delay: 43.903 ms

Loss rate: 0.71%

### Run 3: Report of TCP Vegas — Data Link



Run 4: Statistics of TCP Vegas

Start at: 2019-08-27 13:54:40

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

Local clock offset: -0.676 ms

Remote clock offset: 6.725 ms

# Below is generated by plot.py at 2019-08-27 14:59:10

# Datalink statistics

-- Total of 3 flows:

Average throughput: 80.38 Mbit/s

95th percentile per-packet one-way delay: 33.737 ms

Loss rate: 0.28%

-- Flow 1:

Average throughput: 41.83 Mbit/s

95th percentile per-packet one-way delay: 36.135 ms

Loss rate: 0.13%

-- Flow 2:

Average throughput: 46.75 Mbit/s

95th percentile per-packet one-way delay: 33.616 ms

Loss rate: 0.35%

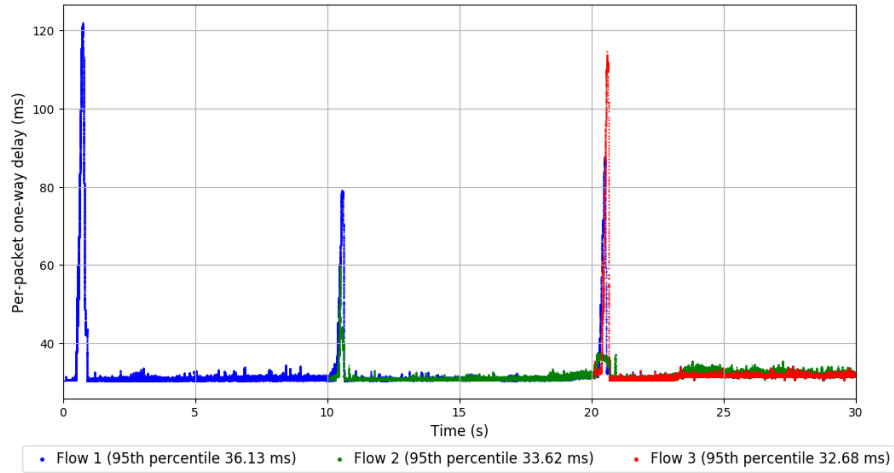
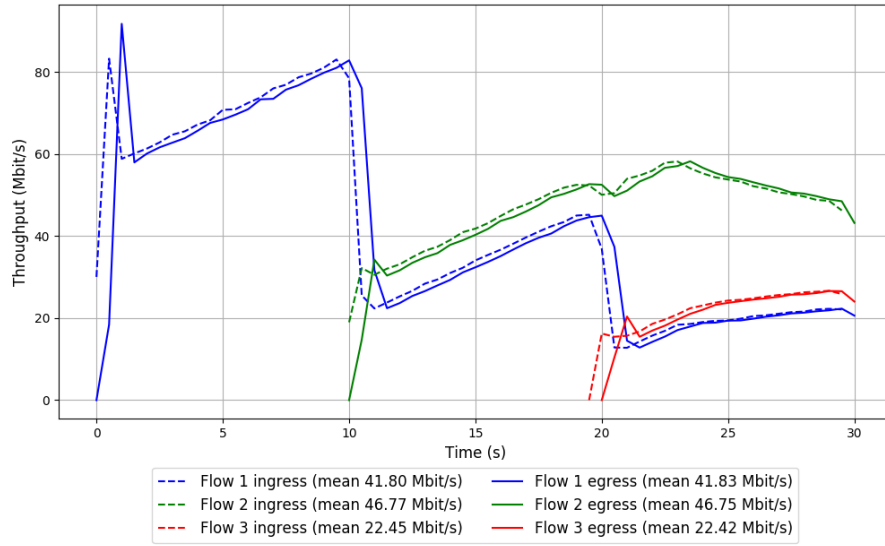
-- Flow 3:

Average throughput: 22.42 Mbit/s

95th percentile per-packet one-way delay: 32.677 ms

Loss rate: 0.81%

Run 4: Report of TCP Vegas — Data Link





Run 5: Statistics of TCP Vegas

Start at: 2019-08-27 14:35:19

End at: 2019-08-27 14:35:49

Local clock offset: -0.435 ms

Remote clock offset: 3.86 ms

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

# Datalink statistics

-- Total of 3 flows:

Average throughput: 76.27 Mbit/s

95th percentile per-packet one-way delay: 36.257 ms

Loss rate: 0.29%

-- Flow 1:

Average throughput: 36.76 Mbit/s

95th percentile per-packet one-way delay: 52.493 ms

Loss rate: 0.18%

-- Flow 2:

Average throughput: 43.70 Mbit/s

95th percentile per-packet one-way delay: 33.334 ms

Loss rate: 0.30%

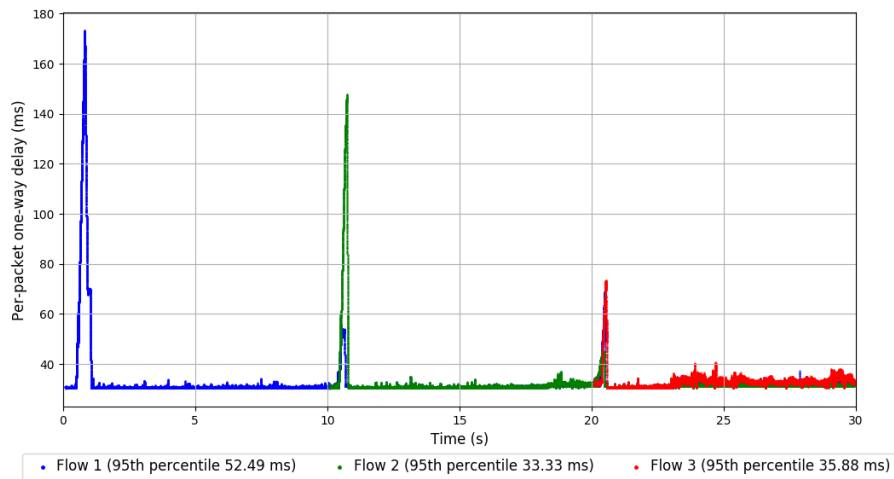
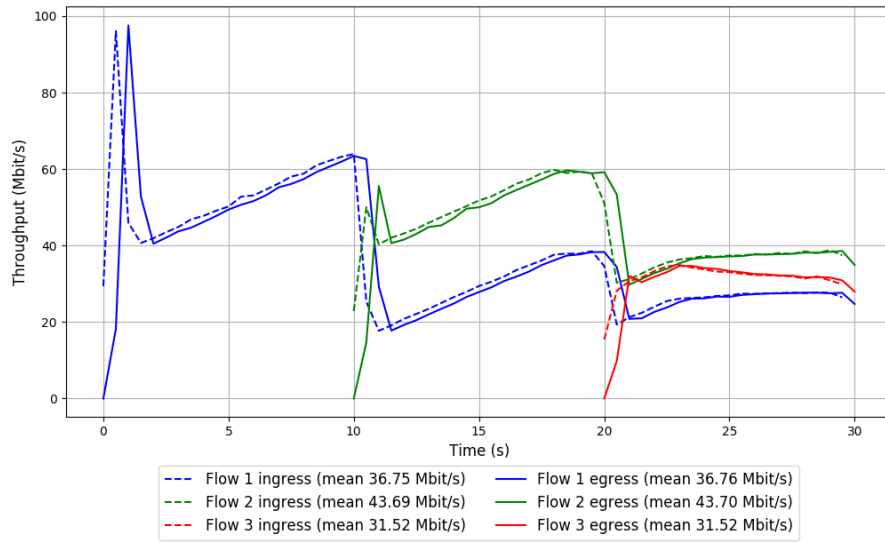
-- Flow 3:

Average throughput: 31.52 Mbit/s

95th percentile per-packet one-way delay: 35.878 ms

Loss rate: 0.66%

Run 5: Report of TCP Vegas — Data Link



Run 1: Statistics of Verus

Start at: 2019-08-27 11:47:26

End at: 2019-08-27 11:47:56

Local clock offset: -0.54 ms

Remote clock offset: 5.511 ms

# Below is generated by plot.py at 2019-08-27 14:59:22

# Datalink statistics

-- Total of 3 flows:

Average throughput: 86.21 Mbit/s

95th percentile per-packet one-way delay: 198.235 ms

Loss rate: 0.52%

-- Flow 1:

Average throughput: 52.00 Mbit/s

95th percentile per-packet one-way delay: 140.427 ms

Loss rate: 0.22%

-- Flow 2:

Average throughput: 32.05 Mbit/s

95th percentile per-packet one-way delay: 231.498 ms

Loss rate: 1.02%

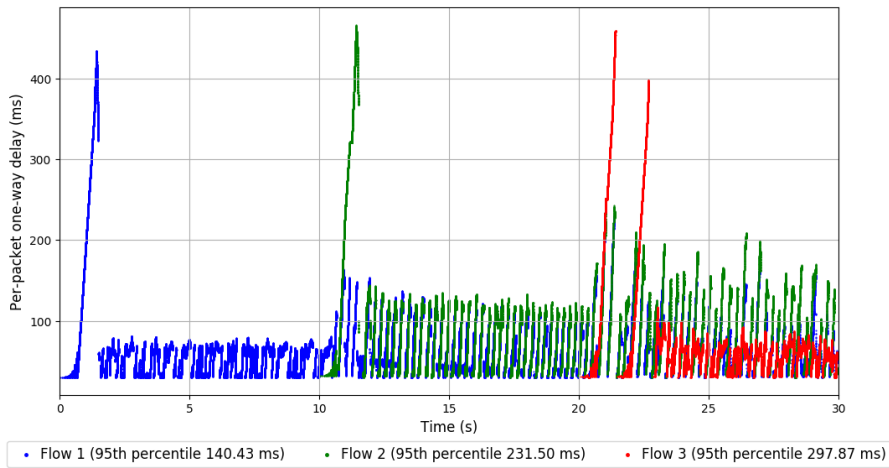
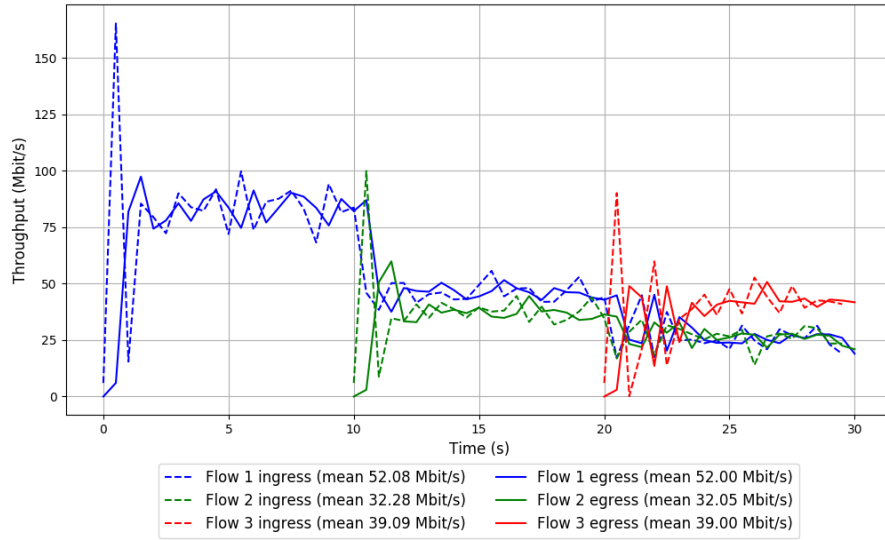
-- Flow 3:

Average throughput: 39.00 Mbit/s

95th percentile per-packet one-way delay: 297.866 ms

Loss rate: 0.89%

Run 1: Report of Verus — Data Link



Run 2: Statistics of Verus

Start at: 2019-08-27 12:26:37

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

Local clock offset: -0.614 ms

Remote clock offset: 5.957 ms

# Below is generated by plot.py at 2019-08-27 15:00:02

# Datalink statistics

-- Total of 3 flows:

Average throughput: 89.02 Mbit/s

95th percentile per-packet one-way delay: 143.671 ms

Loss rate: 0.35%

-- Flow 1:

Average throughput: 51.64 Mbit/s

95th percentile per-packet one-way delay: 148.248 ms

Loss rate: 0.29%

-- Flow 2:

Average throughput: 45.71 Mbit/s

95th percentile per-packet one-way delay: 88.392 ms

Loss rate: 0.18%

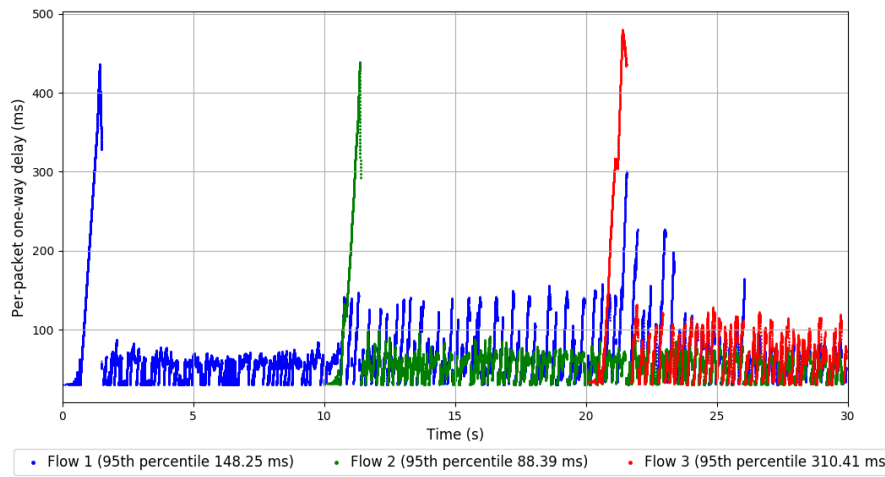
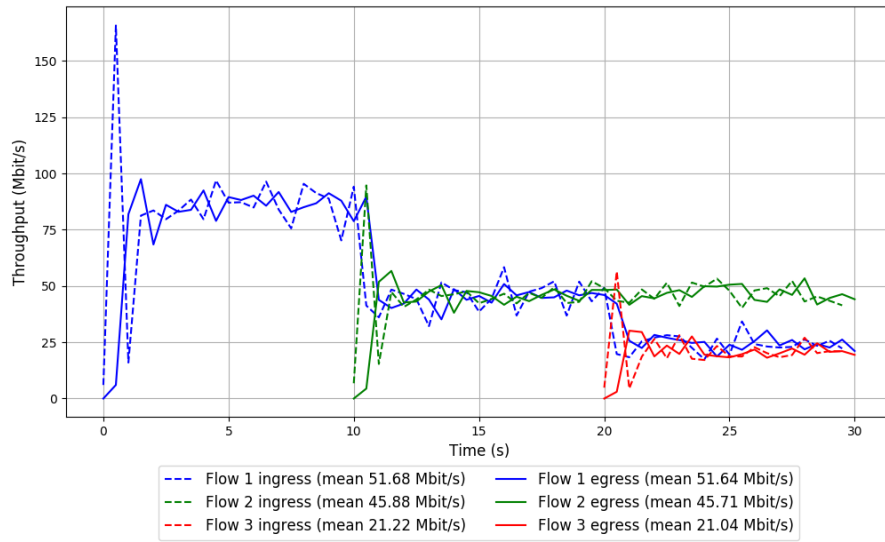
-- Flow 3:

Average throughput: 21.04 Mbit/s

95th percentile per-packet one-way delay: 310.412 ms

Loss rate: 1.49%

Run 2: Report of Verus — Data Link



Run 3: Statistics of Verus

Start at: 2019-08-27 13:04:02

End at: 2019-08-27 13:04:32

Local clock offset: -0.617 ms

Remote clock offset: 3.198 ms

# Below is generated by plot.py at 2019-08-27 15:00:02

# Datalink statistics

-- Total of 3 flows:

Average throughput: 87.97 Mbit/s

95th percentile per-packet one-way delay: 143.552 ms

Loss rate: 0.58%

-- Flow 1:

Average throughput: 53.54 Mbit/s

95th percentile per-packet one-way delay: 141.545 ms

Loss rate: 0.33%

-- Flow 2:

Average throughput: 36.85 Mbit/s

95th percentile per-packet one-way delay: 136.545 ms

Loss rate: 0.82%

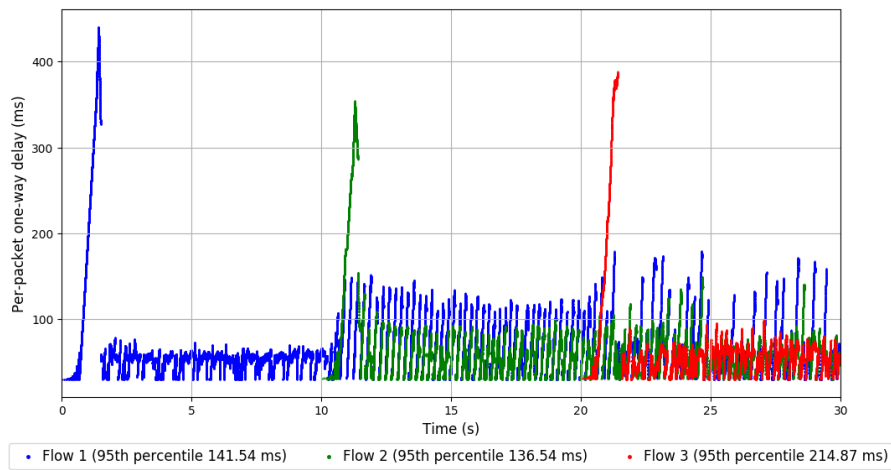
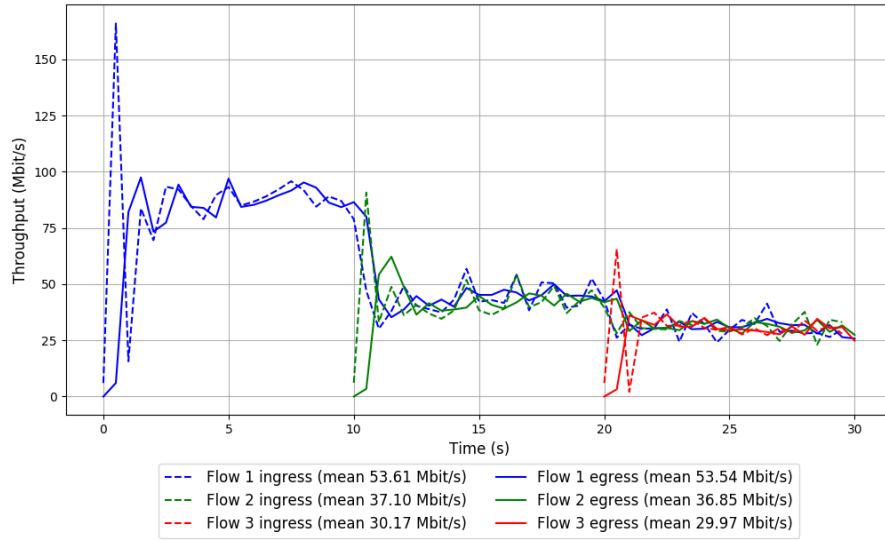
-- Flow 3:

Average throughput: 29.97 Mbit/s

95th percentile per-packet one-way delay: 214.873 ms

Loss rate: 1.26%

### Run 3: Report of Verus — Data Link





Run 4: Statistics of Verus

Start at: 2019-08-27 13:42:50

End at: 2019-08-27 13:43:20

Local clock offset: -0.621 ms

Remote clock offset: 6.387 ms

# Below is generated by plot.py at 2019-08-27 15:00:03

# Datalink statistics

-- Total of 3 flows:

Average throughput: 88.45 Mbit/s

95th percentile per-packet one-way delay: 193.667 ms

Loss rate: 0.55%

-- Flow 1:

Average throughput: 59.51 Mbit/s

95th percentile per-packet one-way delay: 128.472 ms

Loss rate: 0.48%

-- Flow 2:

Average throughput: 33.60 Mbit/s

95th percentile per-packet one-way delay: 263.354 ms

Loss rate: 0.54%

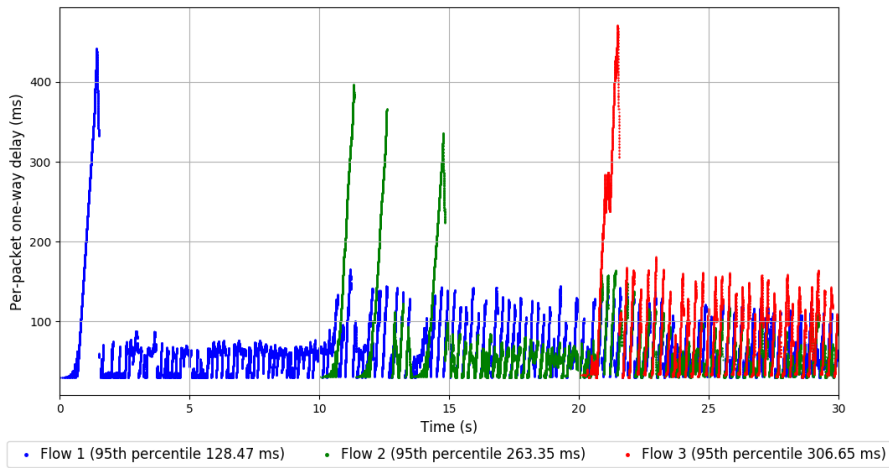
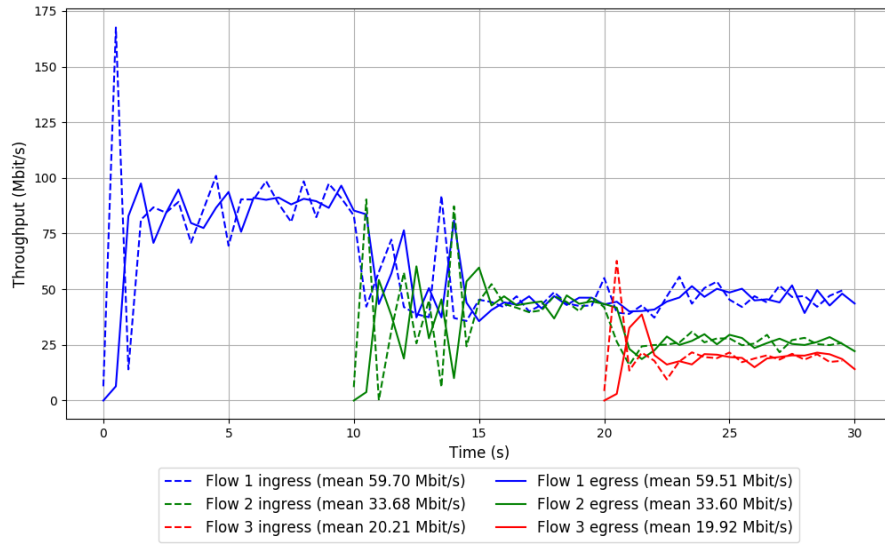
-- Flow 3:

Average throughput: 19.92 Mbit/s

95th percentile per-packet one-way delay: 306.652 ms

Loss rate: 1.27%

### Run 4: Report of Verus — Data Link



Run 5: Statistics of Verus

Start at: 2019-08-27 14:23:15

End at: 2019-08-27 14:23:45

Local clock offset: -0.51 ms

Remote clock offset: 3.729 ms

# Below is generated by plot.py at 2019-08-27 15:00:11

# Datalink statistics

-- Total of 3 flows:

Average throughput: 88.10 Mbit/s

95th percentile per-packet one-way delay: 155.435 ms

Loss rate: 0.48%

-- Flow 1:

Average throughput: 53.71 Mbit/s

95th percentile per-packet one-way delay: 155.180 ms

Loss rate: 0.22%

-- Flow 2:

Average throughput: 37.59 Mbit/s

95th percentile per-packet one-way delay: 113.398 ms

Loss rate: 0.65%

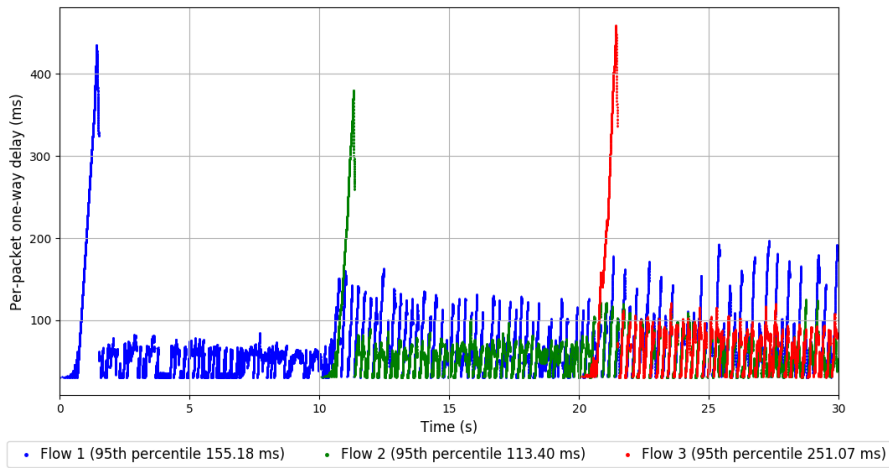
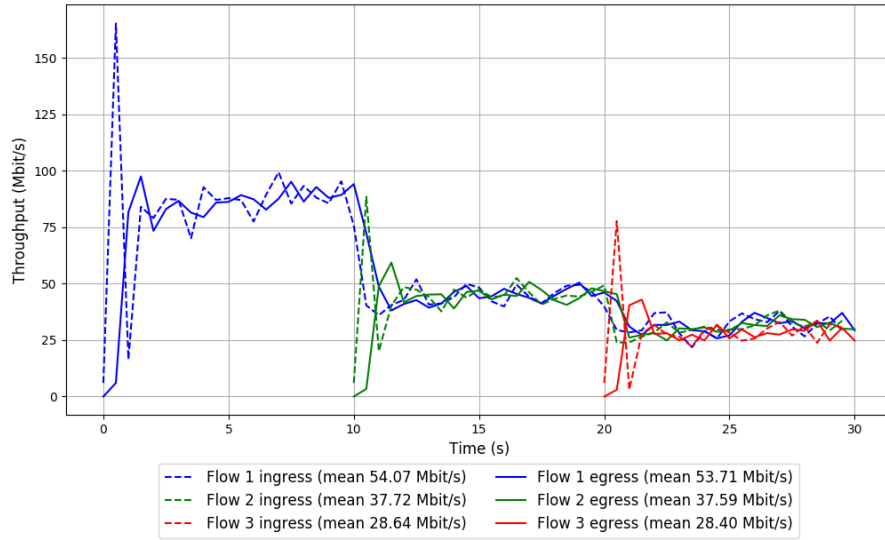
-- Flow 3:

Average throughput: 28.40 Mbit/s

95th percentile per-packet one-way delay: 251.066 ms

Loss rate: 1.56%

Run 5: Report of Verus — Data Link



Run 1: Statistics of PCC-Vivace

Start at: 2019-08-27 11:44:22

End at: 2019-08-27 11:44:52

Local clock offset: -0.492 ms

Remote clock offset: 5.312 ms

# Below is generated by plot.py at 2019-08-27 15:00:18

# Datalink statistics

-- Total of 3 flows:

Average throughput: 87.11 Mbit/s

95th percentile per-packet one-way delay: 266.053 ms

Loss rate: 0.64%

-- Flow 1:

Average throughput: 53.05 Mbit/s

95th percentile per-packet one-way delay: 227.834 ms

Loss rate: 0.37%

-- Flow 2:

Average throughput: 37.35 Mbit/s

95th percentile per-packet one-way delay: 313.064 ms

Loss rate: 1.17%

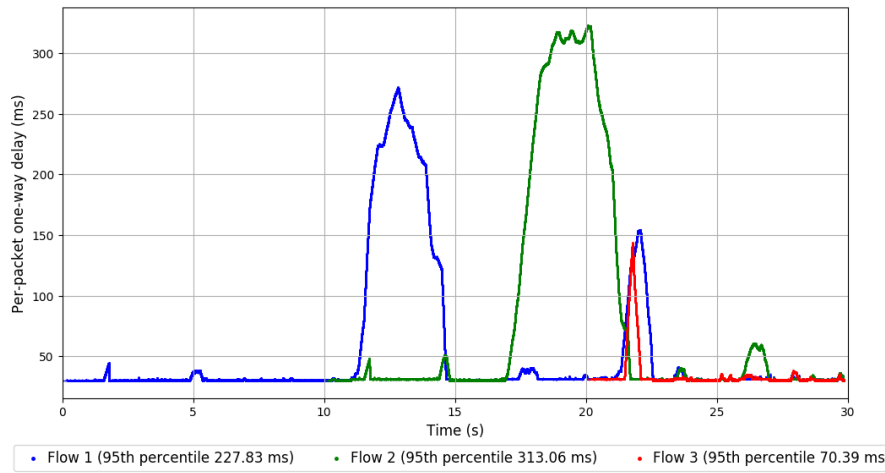
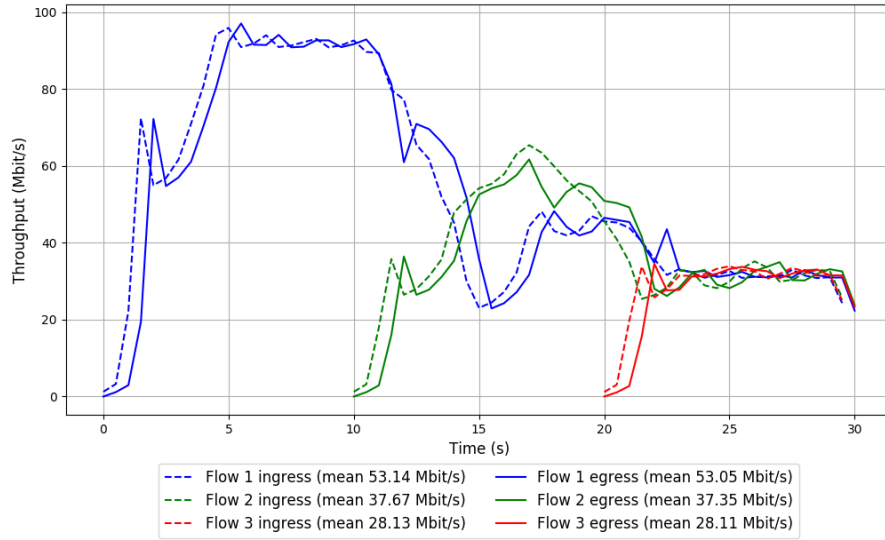
-- Flow 3:

Average throughput: 28.11 Mbit/s

95th percentile per-packet one-way delay: 70.394 ms

Loss rate: 0.73%

Run 1: Report of PCC-Vivace — Data Link



Run 2: Statistics of PCC-Vivace

Start at: 2019-08-27 12:23:09

End at: 2019-08-27 12:23:39

Local clock offset: -0.582 ms

Remote clock offset: 6.184 ms

# Below is generated by plot.py at 2019-08-27 15:00:22

# Datalink statistics

-- Total of 3 flows:

Average throughput: 88.27 Mbit/s

95th percentile per-packet one-way delay: 2131.753 ms

Loss rate: 5.00%

-- Flow 1:

Average throughput: 54.19 Mbit/s

95th percentile per-packet one-way delay: 2240.145 ms

Loss rate: 7.49%

-- Flow 2:

Average throughput: 40.78 Mbit/s

95th percentile per-packet one-way delay: 48.881 ms

Loss rate: 0.41%

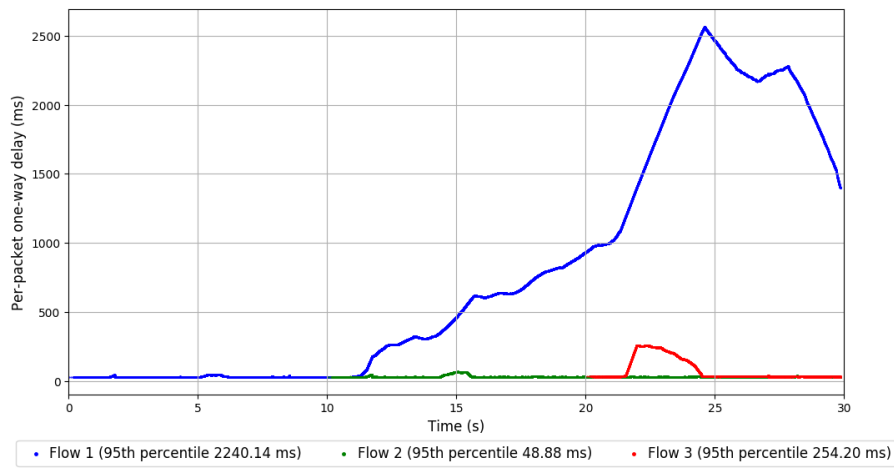
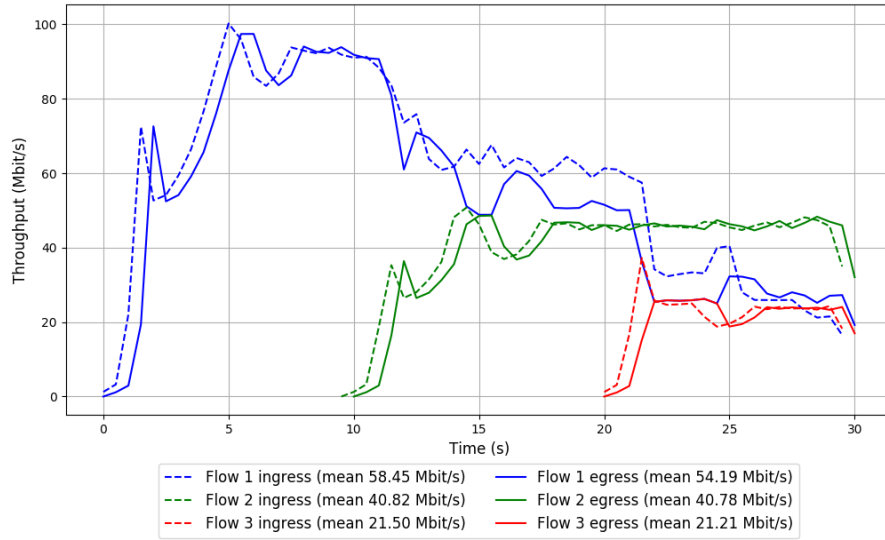
-- Flow 3:

Average throughput: 21.21 Mbit/s

95th percentile per-packet one-way delay: 254.198 ms

Loss rate: 1.98%

Run 2: Report of PCC-Vivace — Data Link





Run 3: Statistics of PCC-Vivace

Start at: 2019-08-27 13:00:44

End at: 2019-08-27 13:01:14

Local clock offset: -0.619 ms

Remote clock offset: 3.551 ms

# Below is generated by plot.py at 2019-08-27 15:00:24

# Datalink statistics

-- Total of 3 flows:

Average throughput: 88.08 Mbit/s

95th percentile per-packet one-way delay: 1764.779 ms

Loss rate: 3.56%

-- Flow 1:

Average throughput: 56.43 Mbit/s

95th percentile per-packet one-way delay: 1820.168 ms

Loss rate: 4.99%

-- Flow 2:

Average throughput: 34.05 Mbit/s

95th percentile per-packet one-way delay: 176.567 ms

Loss rate: 0.70%

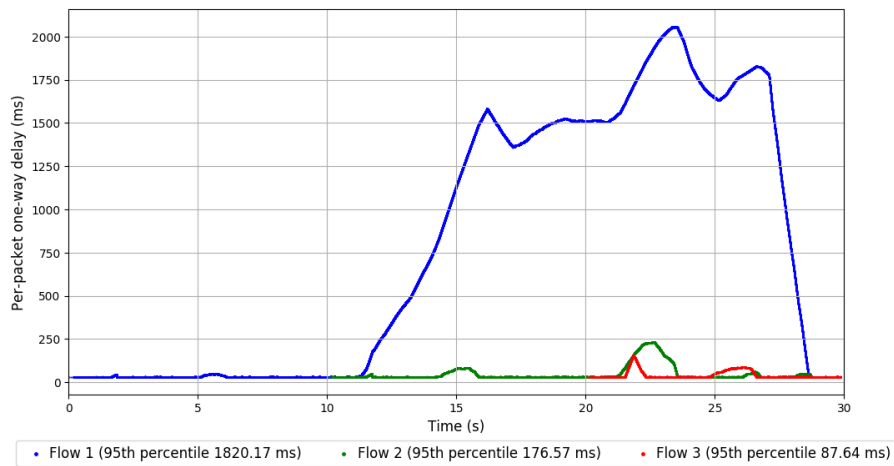
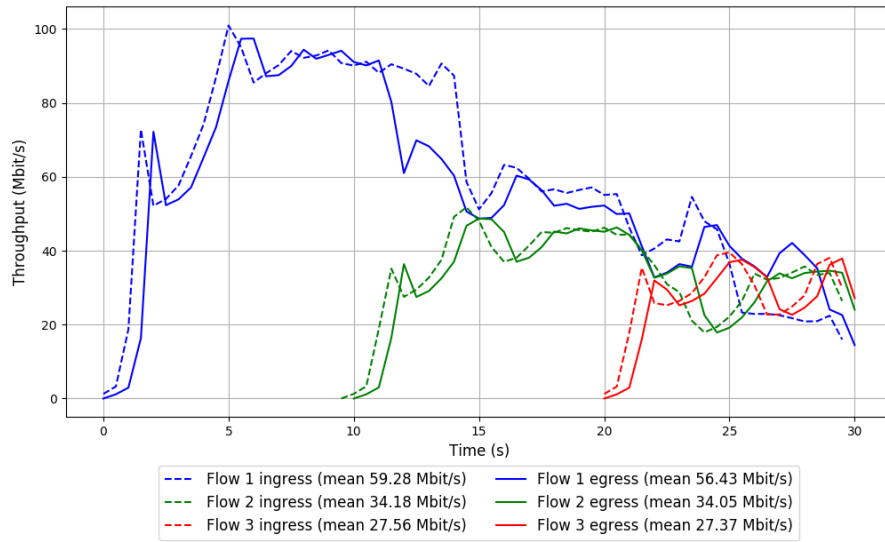
-- Flow 3:

Average throughput: 27.37 Mbit/s

95th percentile per-packet one-way delay: 87.644 ms

Loss rate: 1.36%

### Run 3: Report of PCC-Vivace — Data Link



Run 4: Statistics of PCC-Vivace

Start at: 2019-08-27 13:39:24

End at: 2019-08-27 13:39:54

Local clock offset: -0.609 ms

Remote clock offset: 5.971 ms

# Below is generated by plot.py at 2019-08-27 15:00:26

# Datalink statistics

-- Total of 3 flows:

Average throughput: 86.02 Mbit/s

95th percentile per-packet one-way delay: 97.823 ms

Loss rate: 0.42%

-- Flow 1:

Average throughput: 52.97 Mbit/s

95th percentile per-packet one-way delay: 63.884 ms

Loss rate: 0.24%

-- Flow 2:

Average throughput: 36.29 Mbit/s

95th percentile per-packet one-way delay: 199.224 ms

Loss rate: 0.66%

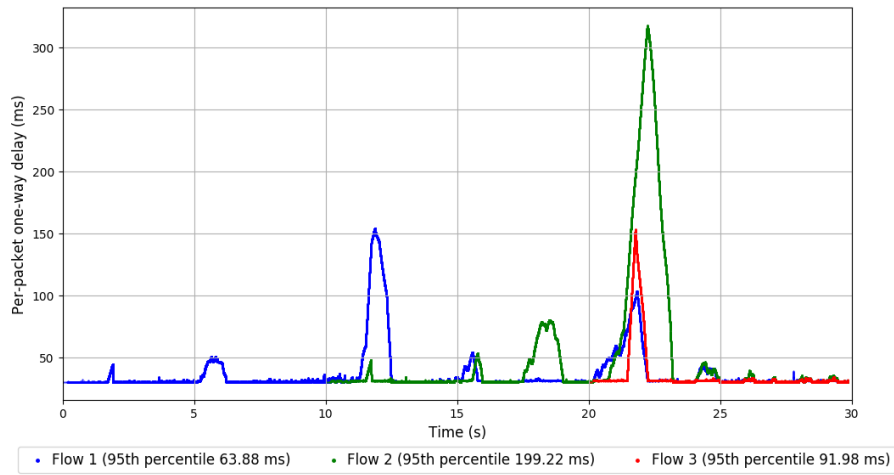
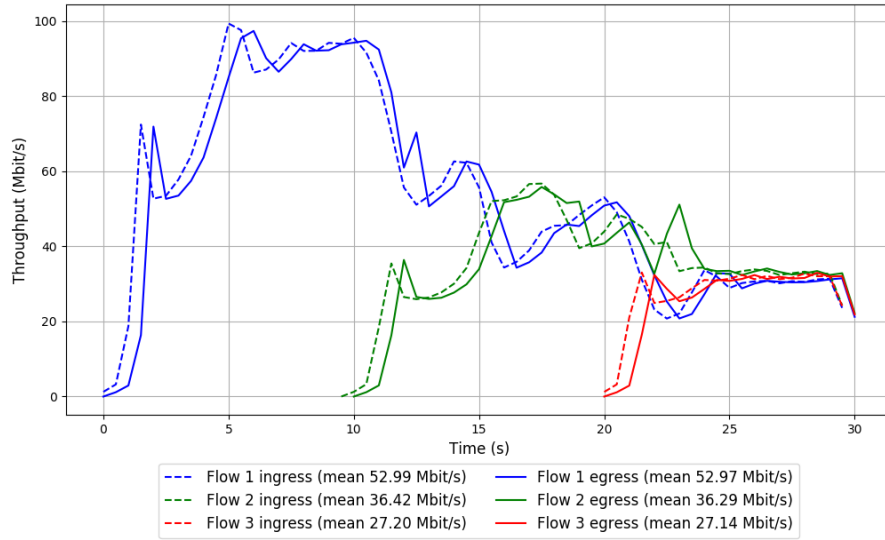
-- Flow 3:

Average throughput: 27.14 Mbit/s

95th percentile per-packet one-way delay: 91.978 ms

Loss rate: 0.85%

Run 4: Report of PCC-Vivace — Data Link



Run 5: Statistics of PCC-Vivace

Start at: 2019-08-27 14:19:21

End at: 2019-08-27 14:19:51

Local clock offset: -0.526 ms

Remote clock offset: 4.105 ms

# Below is generated by plot.py at 2019-08-27 15:00:29

# Datalink statistics

-- Total of 3 flows:

Average throughput: 87.60 Mbit/s

95th percentile per-packet one-way delay: 1128.272 ms

Loss rate: 1.39%

-- Flow 1:

Average throughput: 54.55 Mbit/s

95th percentile per-packet one-way delay: 1195.721 ms

Loss rate: 1.81%

-- Flow 2:

Average throughput: 36.43 Mbit/s

95th percentile per-packet one-way delay: 168.558 ms

Loss rate: 0.62%

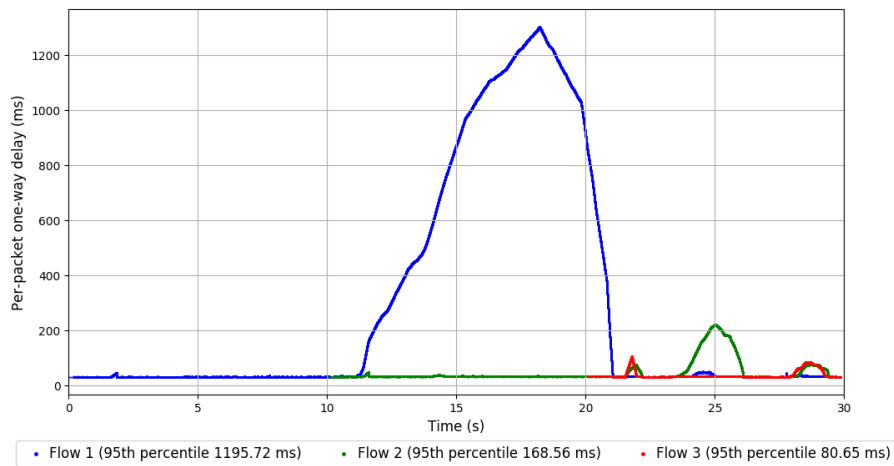
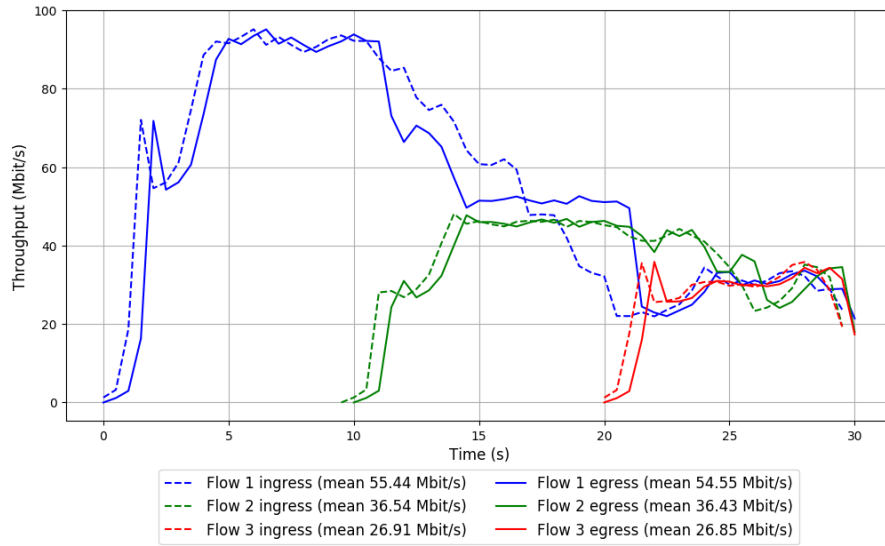
-- Flow 3:

Average throughput: 26.85 Mbit/s

95th percentile per-packet one-way delay: 80.647 ms

Loss rate: 0.84%

Run 5: Report of PCC-Vivace — Data Link



Run 1: Statistics of WebRTC media

Start at: 2019-08-27 11:26:03

End at: 2019-08-27 11:26:33

Local clock offset: -0.504 ms

Remote clock offset: 4.967 ms

# Below is generated by plot.py at 2019-08-27 15:00:29

# Datalink statistics

-- Total of 3 flows:

Average throughput: 3.15 Mbit/s

95th percentile per-packet one-way delay: 31.055 ms

Loss rate: 0.28%

-- Flow 1:

Average throughput: 1.73 Mbit/s

95th percentile per-packet one-way delay: 30.938 ms

Loss rate: 0.11%

-- Flow 2:

Average throughput: 1.00 Mbit/s

95th percentile per-packet one-way delay: 31.103 ms

Loss rate: 0.35%

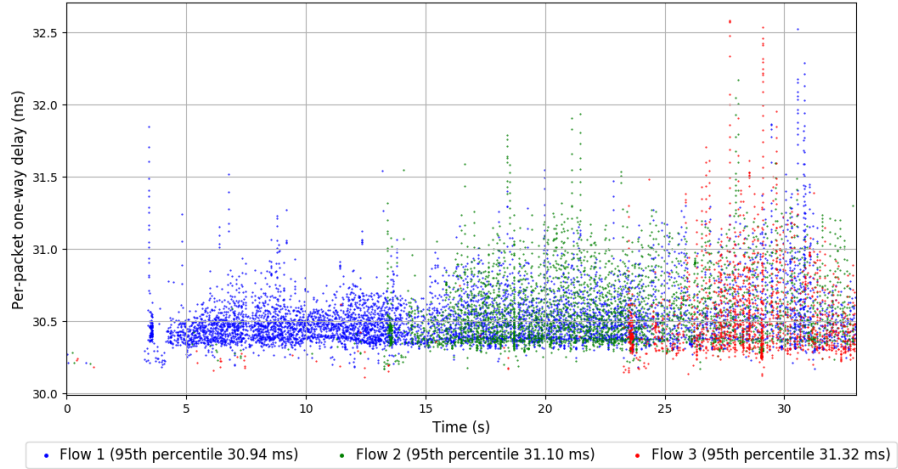
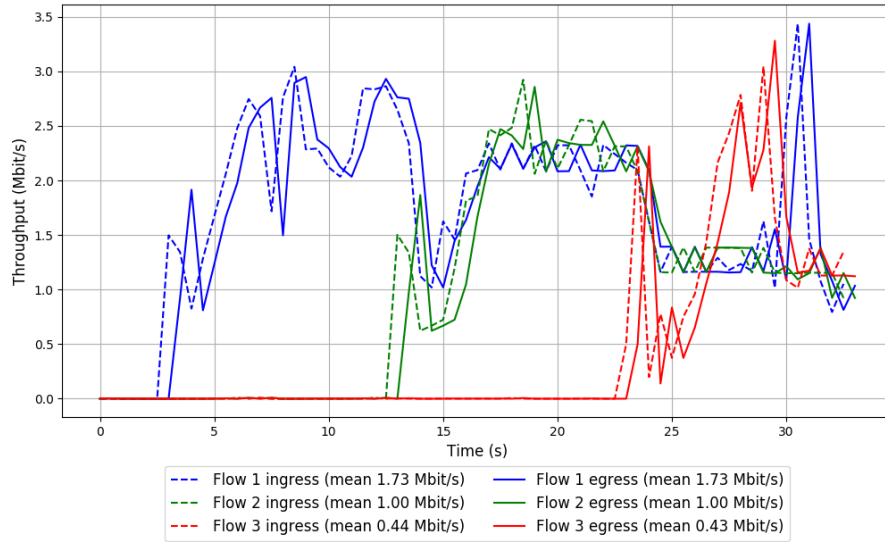
-- Flow 3:

Average throughput: 0.43 Mbit/s

95th percentile per-packet one-way delay: 31.318 ms

Loss rate: 0.79%

Run 1: Report of WebRTC media — Data Link





Run 2: Statistics of WebRTC media

Start at: 2019-08-27 12:03:30

End at: 2019-08-27 12:04:00

Local clock offset: -0.585 ms

Remote clock offset: 6.064 ms

# Below is generated by plot.py at 2019-08-27 15:00:29

# Datalink statistics

-- Total of 3 flows:

Average throughput: 3.29 Mbit/s

95th percentile per-packet one-way delay: 31.159 ms

Loss rate: 0.28%

-- Flow 1:

Average throughput: 1.81 Mbit/s

95th percentile per-packet one-way delay: 31.120 ms

Loss rate: 0.13%

-- Flow 2:

Average throughput: 1.06 Mbit/s

95th percentile per-packet one-way delay: 31.089 ms

Loss rate: 0.33%

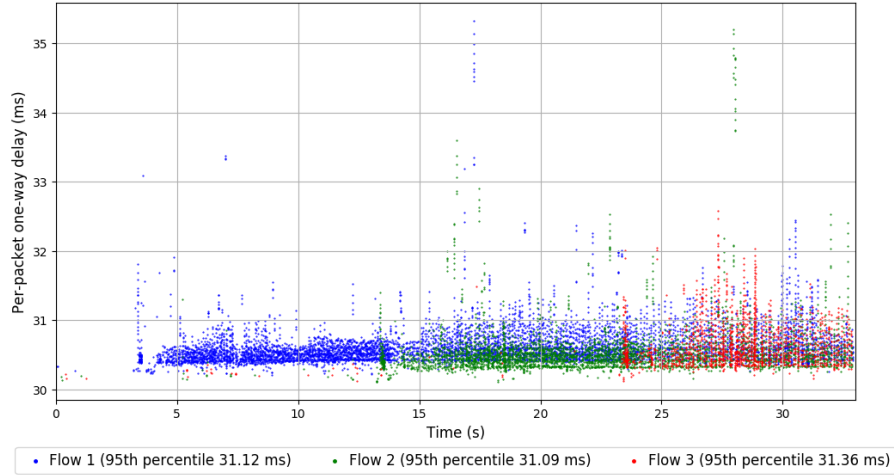
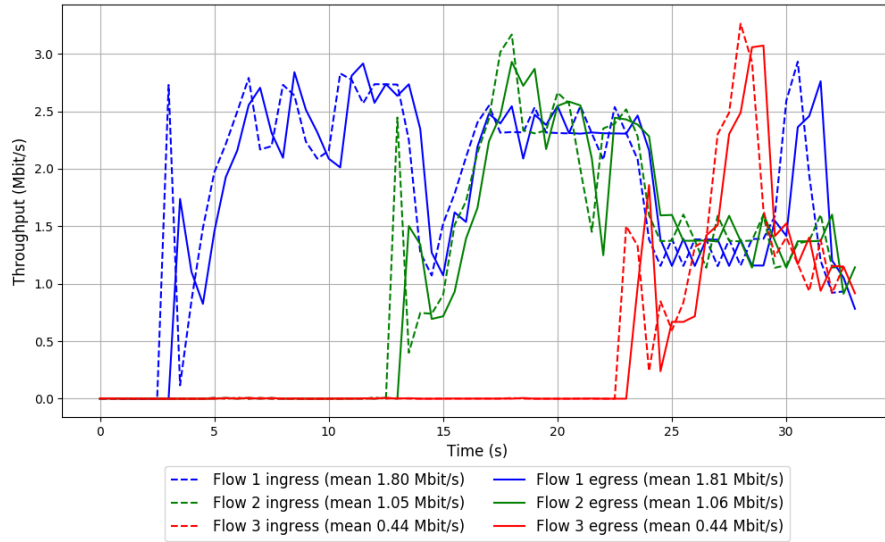
-- Flow 3:

Average throughput: 0.44 Mbit/s

95th percentile per-packet one-way delay: 31.365 ms

Loss rate: 0.80%

Run 2: Report of WebRTC media — Data Link



Run 3: Statistics of WebRTC media

Start at: 2019-08-27 12:42:34

End at: 2019-08-27 12:43:04

Local clock offset: -0.642 ms

Remote clock offset: 6.316 ms

# Below is generated by plot.py at 2019-08-27 15:00:29

# Datalink statistics

-- Total of 3 flows:

Average throughput: 3.15 Mbit/s

95th percentile per-packet one-way delay: 31.094 ms

Loss rate: 0.16%

-- Flow 1:

Average throughput: 1.74 Mbit/s

95th percentile per-packet one-way delay: 30.960 ms

Loss rate: 0.09%

-- Flow 2:

Average throughput: 0.98 Mbit/s

95th percentile per-packet one-way delay: 31.121 ms

Loss rate: 0.35%

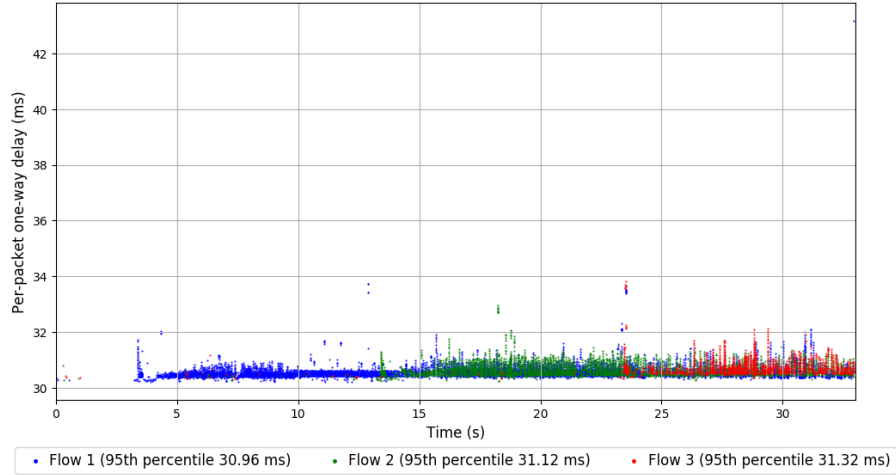
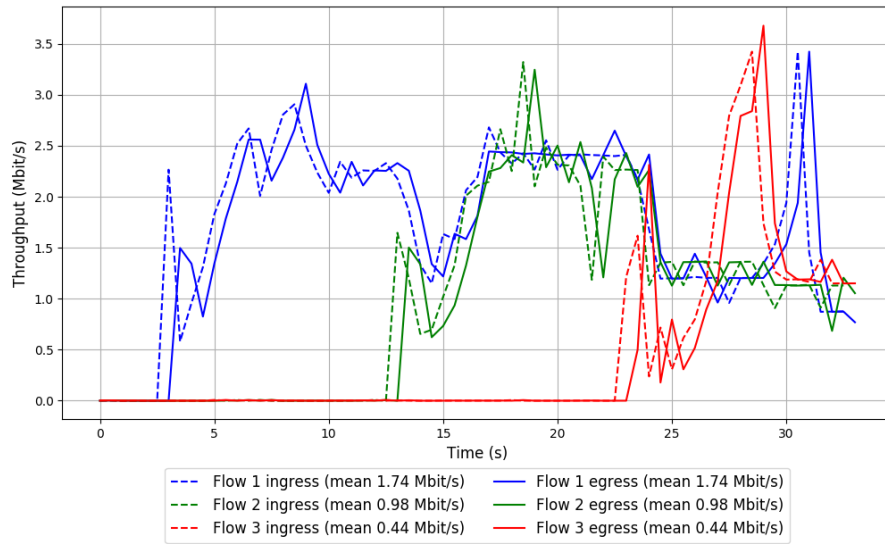
-- Flow 3:

Average throughput: 0.44 Mbit/s

95th percentile per-packet one-way delay: 31.323 ms

Loss rate: 0.00%

### Run 3: Report of WebRTC media — Data Link



Run 4: Statistics of WebRTC media

Start at: 2019-08-27 13:20:38

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

Local clock offset: -0.643 ms

Remote clock offset: 2.535 ms

# Below is generated by plot.py at 2019-08-27 15:00:29

# Datalink statistics

-- Total of 3 flows:

Average throughput: 3.23 Mbit/s

95th percentile per-packet one-way delay: 31.168 ms

Loss rate: 0.24%

-- Flow 1:

Average throughput: 1.77 Mbit/s

95th percentile per-packet one-way delay: 31.131 ms

Loss rate: 0.11%

-- Flow 2:

Average throughput: 1.03 Mbit/s

95th percentile per-packet one-way delay: 31.137 ms

Loss rate: 0.33%

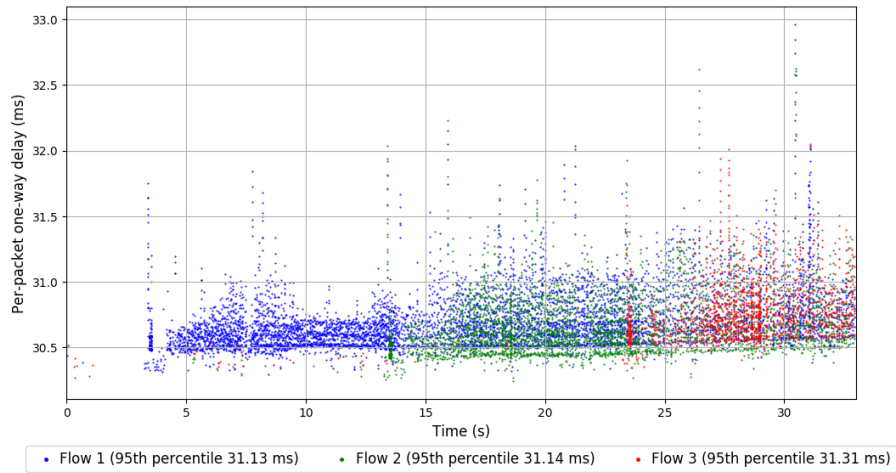
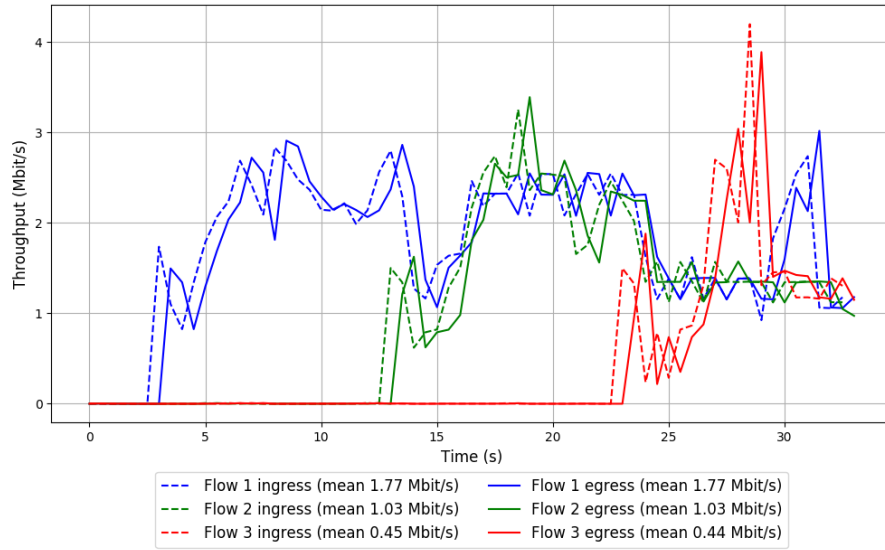
-- Flow 3:

Average throughput: 0.44 Mbit/s

95th percentile per-packet one-way delay: 31.314 ms

Loss rate: 0.53%

#### Run 4: Report of WebRTC media — Data Link



Run 5: Statistics of WebRTC media

Start at: 2019-08-27 13:59:28

End at: 2019-08-27 13:59:58

Local clock offset: -0.679 ms

Remote clock offset: 5.918 ms

# Below is generated by plot.py at 2019-08-27 15:00:29

# Datalink statistics

-- Total of 3 flows:

Average throughput: 3.21 Mbit/s

95th percentile per-packet one-way delay: 30.919 ms

Loss rate: 0.28%

-- Flow 1:

Average throughput: 1.76 Mbit/s

95th percentile per-packet one-way delay: 30.862 ms

Loss rate: 0.11%

-- Flow 2:

Average throughput: 1.02 Mbit/s

95th percentile per-packet one-way delay: 30.929 ms

Loss rate: 0.34%

-- Flow 3:

Average throughput: 0.45 Mbit/s

95th percentile per-packet one-way delay: 31.028 ms

Loss rate: 0.79%

Run 5: Report of WebRTC media — Data Link

