

## Pantheon Report

Generated at 2019-09-18 12:27:25 (UTC).

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

Repeated the test of 24 congestion control schemes 5 times.

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

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

### System info:

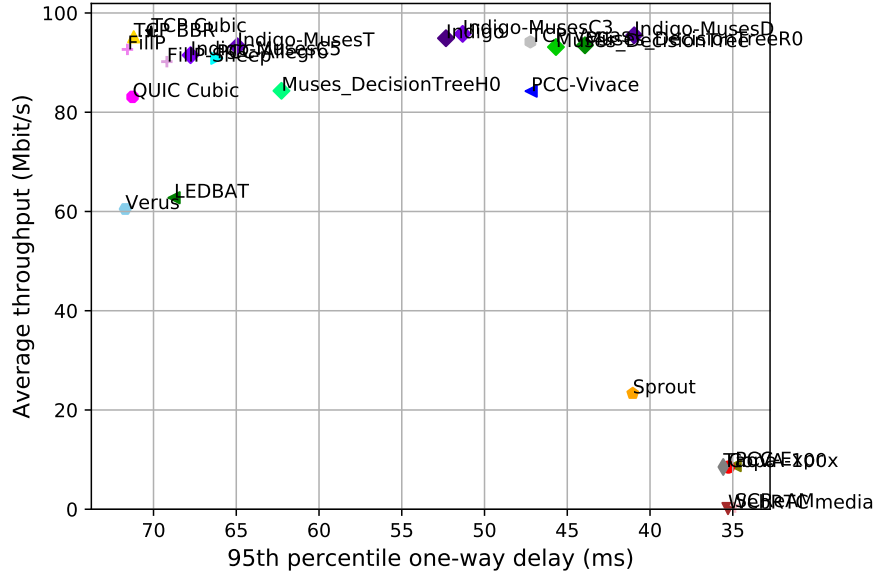
```
Linux 4.15.0-1045-aws
net.core.default_qdisc = fq
net.core.rmem_default = 16777216
net.core.rmem_max = 536870912
net.core.wmem_default = 16777216
net.core.wmem_max = 536870912
net.ipv4.tcp_rmem = 4096 16777216 536870912
net.ipv4.tcp_wmem = 4096 16777216 536870912
```

### Git summary:

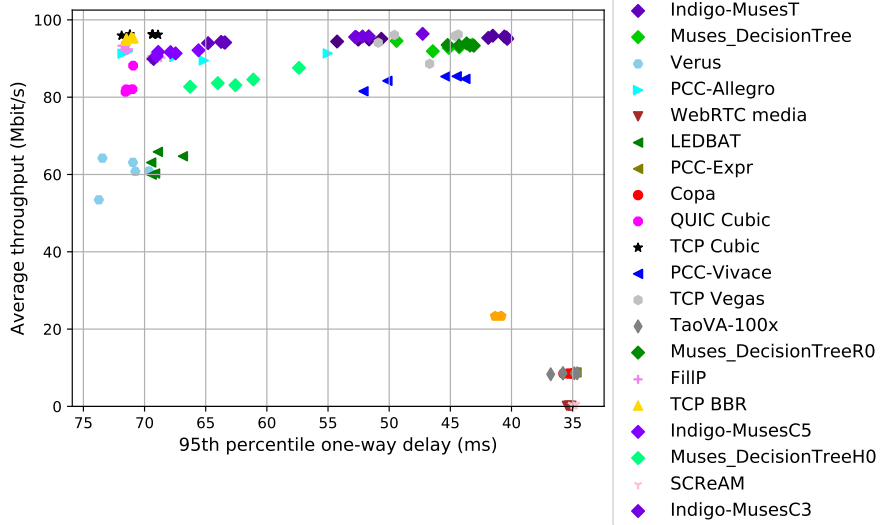
```
branch: muses @ de42328552b3776a75a932a94dfafd722537b0ec
third_party/fillp @ d6da1459332fcee56963885d7eba17e6a32d4519
third_party/fillp-sheep @ 0e5bb722943babcd2b090d2c64fcd45e12e923f9
third_party/genericCC @ d0153f8e594aa89e93b032143cedbdf58e562f4
third_party/indigo @ 2601c92e4aa9d58d38dc4dfe0ecdbf90c077e64d
third_party/libutp @ b3465b942e2826f2b179eaab4a906ce6bb7cf3cf
third_party/muses @ 5ce721187ad823da20955337730c746486ca4966
third_party/muses_dtree @ 387225f7b5f61ddbe92d708a8869ffbb84eb3200
third_party/pantheon-tunnel @ f866d3f58d27afd942717625ee3a354cc2e802bd
third_party/pcc @ 1afc958fa0d66d18b623c091a55fec872b4981e1
M receiver/src/buffer.h
M receiver/src/core.cpp
M sender/src/buffer.h
M sender/src/core.cpp
third_party/pcc-experimental @ cd43e34e3f5f5613e8acd08fab92c4eb24f974ab
third_party/proto-quick @ 77961f1a82733a86b42f1bc8143ebc978f3cff42
third_party/scream-reproduce @ f099118d1421aa3131bf11ff1964974e1da3bdb2
M src/ScreamClient
M src/ScreamServer
third_party/sprout @ 366e35c6178b01e31d4a46ad18c74f9415f19a26
M src/examples/cellsim.cc
M src/examples/sproutbt2.cc
M src/network/sproutconn.cc
third_party/verus @ d4b447ea74c6c60a261149af2629562939f9a494
M src/verus.hpp
```

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

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



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



scheme	# runs	mean avg tput (Mbit/s)			mean 95th-%ile delay (ms)			mean loss rate (%)		
		flow 1	flow 2	flow 3	flow 1	flow 2	flow 3	flow 1	flow 2	flow 3
TCP BBR	5	63.69	30.99	33.36	70.47	72.04	71.93	6.78	9.47	11.02
Copa	5	0.00	10.64	4.25	34.79	35.51	34.98	98.04	69.32	75.67
TCP Cubic	5	76.24	19.55	20.91	69.74	71.15	71.40	0.96	0.72	0.76
FillP	5	59.16	41.35	18.20	69.86	72.92	72.18	29.59	47.40	52.58
FillP-Sheep	5	57.03	40.06	19.65	67.79	70.75	69.27	9.07	15.86	16.01
Indigo	5	62.81	31.99	33.39	49.25	53.80	60.31	0.10	0.24	0.27
Indigo-MusesC3	5	54.58	48.42	33.41	48.23	52.05	59.50	0.19	0.26	1.62
Indigo-MusesC5	5	59.07	45.97	8.90	65.44	69.53	70.03	10.90	21.63	27.81
Indigo-MusesD	5	56.22	45.87	32.57	40.62	40.85	41.82	0.00	0.00	0.00
Indigo-MusesT	5	50.95	59.58	12.91	60.03	67.04	70.54	9.42	16.45	26.52
LEDBAT	5	39.98	24.10	20.34	67.95	70.08	59.69	0.17	0.28	0.01
Muses_DecisionTree	5	56.56	26.87	57.84	44.08	49.98	46.63	0.08	0.29	0.40
Muses_DecisionTreeH0	5	69.60	17.99	8.73	61.37	63.74	63.77	4.37	7.55	7.14
Muses_DecisionTreeR0	5	54.17	34.08	51.59	42.15	45.90	47.89	0.12	0.25	0.43
PCC-Allegro	5	81.68	10.63	6.47	65.91	68.31	68.30	4.58	5.77	4.53
PCC-Expr	5	0.03	10.56	5.36	34.75	34.85	34.87	85.71	42.74	37.96
QUIC Cubic	5	62.03	24.37	14.84	71.19	71.42	71.30	2.79	1.27	1.20
SCReAM	5	0.21	0.21	0.22	34.85	34.84	34.88	0.00	0.00	0.00
Sprout	5	11.78	11.70	11.48	40.98	41.03	41.19	0.03	0.03	0.05
TaoVA-100x	5	0.00	8.99	7.62	34.65	35.86	36.22	95.92	88.01	87.21
TCP Vegas	5	69.67	21.67	30.25	45.98	46.66	45.91	0.56	0.16	0.18
Verus	5	35.48	28.07	20.95	70.12	81.47	68.65	29.52	45.40	40.85
PCC-Vivace	5	64.38	23.08	13.66	46.77	47.92	48.80	0.06	0.11	0.11
WebRTC media	5	0.05	0.05	0.05	35.26	35.25	35.29	0.00	0.00	0.00



Run 1: Statistics of TCP BBR

Start at: 2019-09-18 09:44:12

End at: 2019-09-18 09:44:42

Local clock offset: 1.681 ms

Remote clock offset: 8.674 ms

# Below is generated by plot.py at 2019-09-18 12:15:19

# Datalink statistics

-- Total of 3 flows:

Average throughput: 94.60 Mbit/s

95th percentile per-packet one-way delay: 71.531 ms

Loss rate: 7.58%

-- Flow 1:

Average throughput: 65.14 Mbit/s

95th percentile per-packet one-way delay: 70.797 ms

Loss rate: 6.34%

-- Flow 2:

Average throughput: 29.43 Mbit/s

95th percentile per-packet one-way delay: 72.519 ms

Loss rate: 9.79%

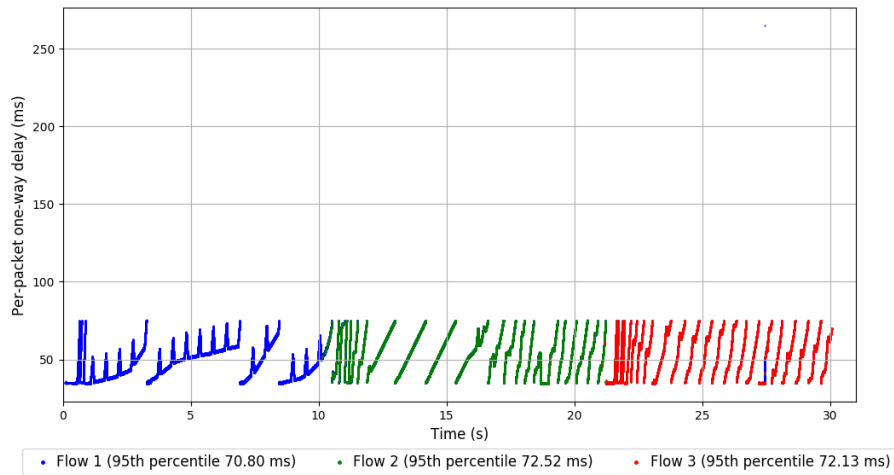
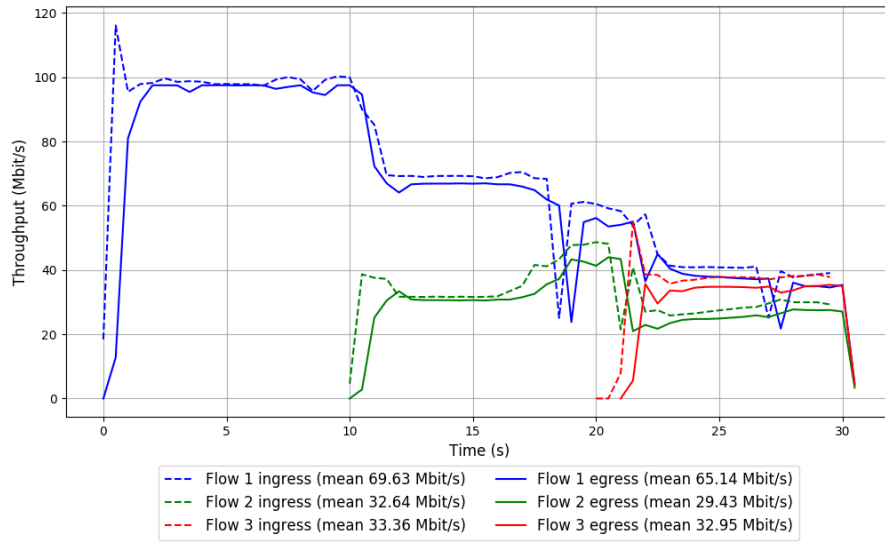
-- Flow 3:

Average throughput: 32.95 Mbit/s

95th percentile per-packet one-way delay: 72.127 ms

Loss rate: 11.01%

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



Run 2: Statistics of TCP BBR

Start at: 2019-09-18 10:21:31

End at: 2019-09-18 10:22:01

Local clock offset: -3.147 ms

Remote clock offset: 9.809 ms

# Below is generated by plot.py at 2019-09-18 12:15:19

# Datalink statistics

-- Total of 3 flows:

Average throughput: 95.22 Mbit/s

95th percentile per-packet one-way delay: 70.990 ms

Loss rate: 6.89%

-- Flow 1:

Average throughput: 63.85 Mbit/s

95th percentile per-packet one-way delay: 70.104 ms

Loss rate: 5.96%

-- Flow 2:

Average throughput: 34.23 Mbit/s

95th percentile per-packet one-way delay: 71.973 ms

Loss rate: 8.12%

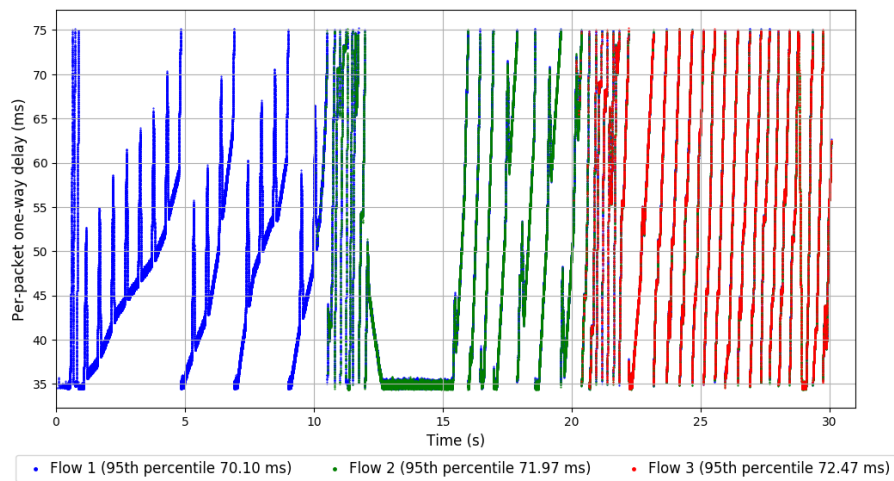
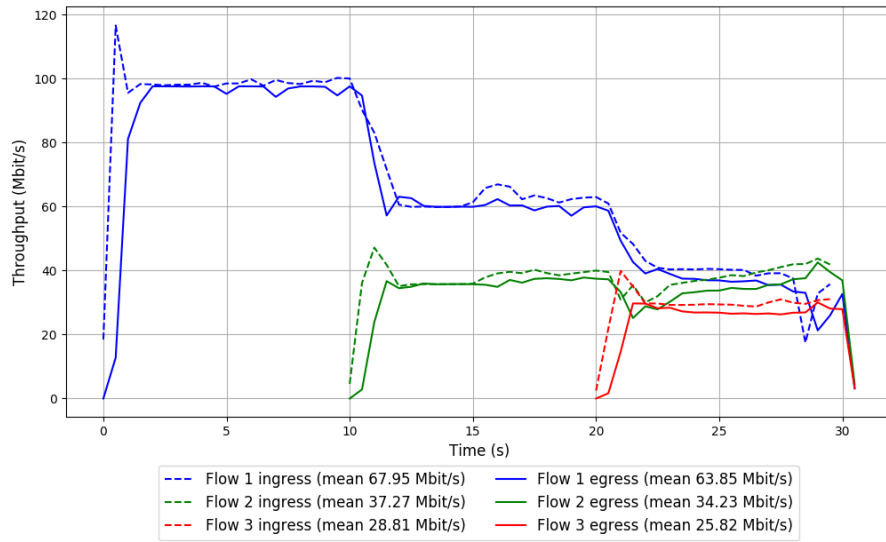
-- Flow 3:

Average throughput: 25.82 Mbit/s

95th percentile per-packet one-way delay: 72.472 ms

Loss rate: 10.32%

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



Run 3: Statistics of TCP BBR

Start at: 2019-09-18 10:58:03

End at: 2019-09-18 10:58:33

Local clock offset: -3.352 ms

Remote clock offset: 8.005 ms

# Below is generated by plot.py at 2019-09-18 12:15:21

# Datalink statistics

-- Total of 3 flows:

Average throughput: 95.64 Mbit/s

95th percentile per-packet one-way delay: 71.074 ms

Loss rate: 8.34%

-- Flow 1:

Average throughput: 62.86 Mbit/s

95th percentile per-packet one-way delay: 69.823 ms

Loss rate: 6.59%

-- Flow 2:

Average throughput: 32.91 Mbit/s

95th percentile per-packet one-way delay: 72.109 ms

Loss rate: 10.39%

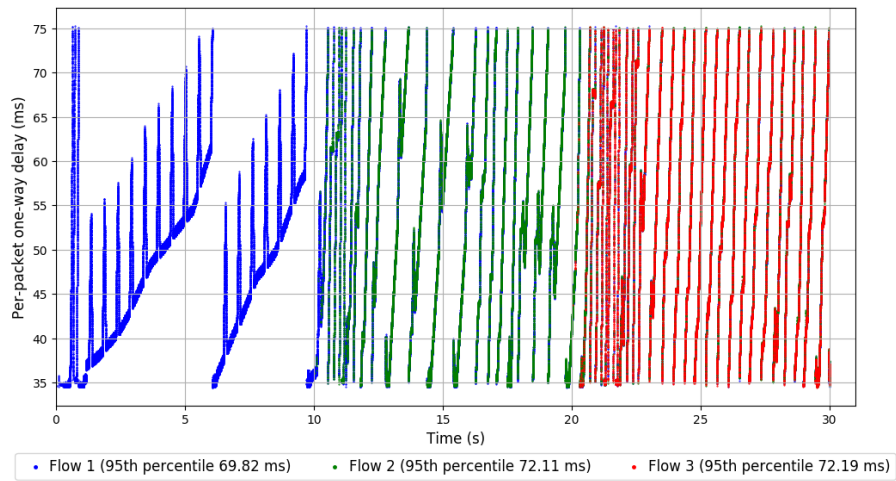
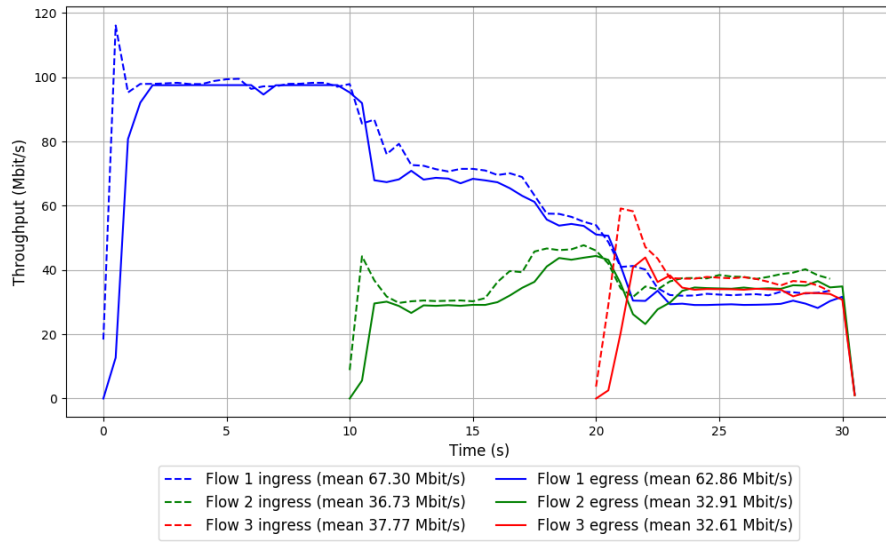
-- Flow 3:

Average throughput: 32.61 Mbit/s

95th percentile per-packet one-way delay: 72.194 ms

Loss rate: 13.73%

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



Run 4: Statistics of TCP BBR

Start at: 2019-09-18 11:35:08

End at: 2019-09-18 11:35:38

Local clock offset: 0.855 ms

Remote clock offset: 8.878 ms

# Below is generated by plot.py at 2019-09-18 12:15:21

# Datalink statistics

-- Total of 3 flows:

Average throughput: 95.25 Mbit/s

95th percentile per-packet one-way delay: 70.899 ms

Loss rate: 9.01%

-- Flow 1:

Average throughput: 57.55 Mbit/s

95th percentile per-packet one-way delay: 70.669 ms

Loss rate: 8.26%

-- Flow 2:

Average throughput: 34.73 Mbit/s

95th percentile per-packet one-way delay: 71.438 ms

Loss rate: 9.88%

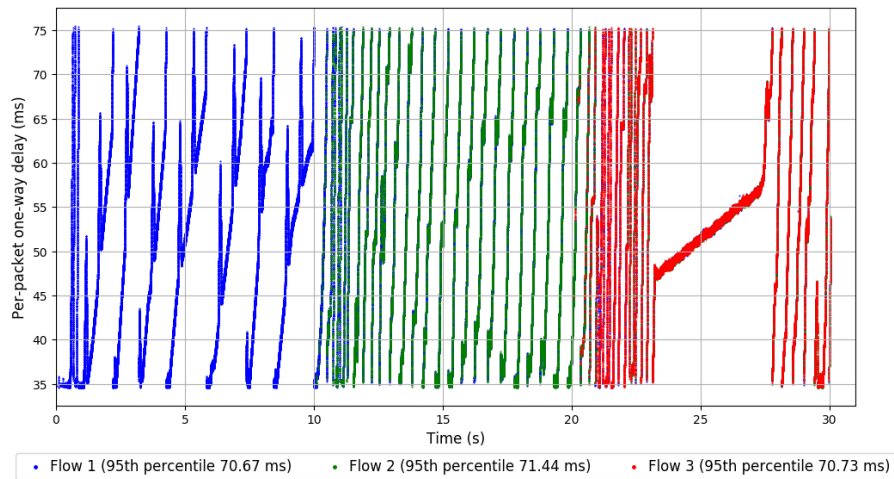
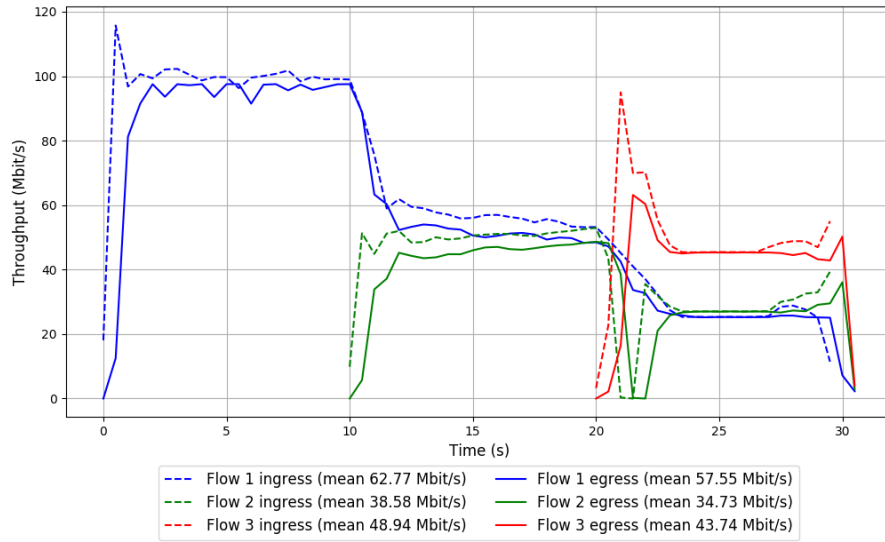
-- Flow 3:

Average throughput: 43.74 Mbit/s

95th percentile per-packet one-way delay: 70.726 ms

Loss rate: 10.53%

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





Run 5: Statistics of TCP BBR

Start at: 2019-09-18 12:11:15

End at: 2019-09-18 12:11:45

Local clock offset: -1.975 ms

Remote clock offset: 8.424 ms

# Below is generated by plot.py at 2019-09-18 12:15:21

# Datalink statistics

-- Total of 3 flows:

Average throughput: 95.28 Mbit/s

95th percentile per-packet one-way delay: 71.476 ms

Loss rate: 7.47%

-- Flow 1:

Average throughput: 69.04 Mbit/s

95th percentile per-packet one-way delay: 70.976 ms

Loss rate: 6.75%

-- Flow 2:

Average throughput: 23.65 Mbit/s

95th percentile per-packet one-way delay: 72.155 ms

Loss rate: 9.19%

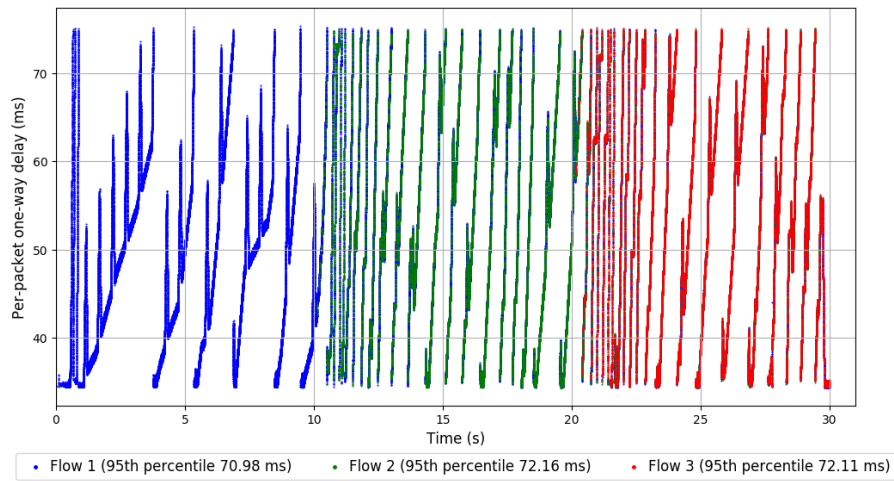
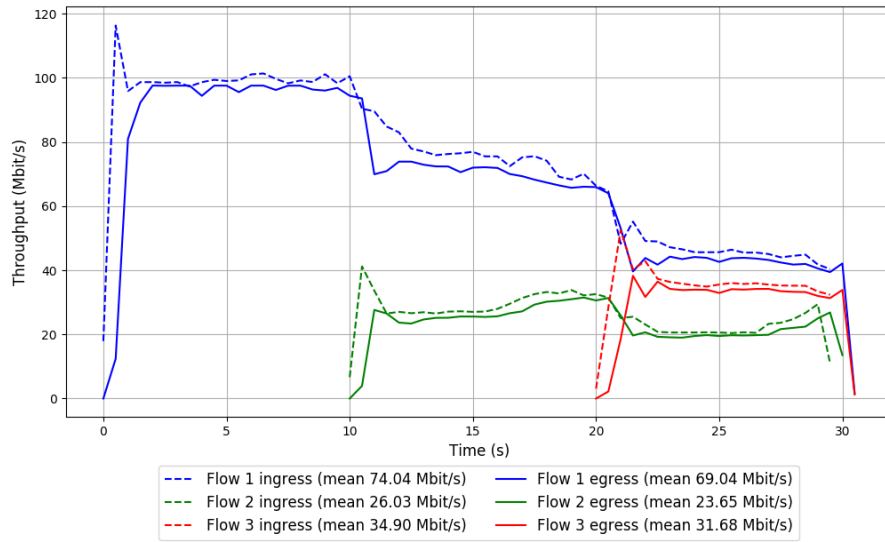
-- Flow 3:

Average throughput: 31.68 Mbit/s

95th percentile per-packet one-way delay: 72.114 ms

Loss rate: 9.51%

Run 5: Report of TCP BBR — Data Link



Run 1: Statistics of Copa

Start at: 2019-09-18 09:13:59

End at: 2019-09-18 09:14:29

Local clock offset: 1.285 ms

Remote clock offset: 7.506 ms

# Below is generated by plot.py at 2019-09-18 12:15:21

# Datalink statistics

-- Total of 3 flows:

Average throughput: 8.50 Mbit/s

95th percentile per-packet one-way delay: 35.758 ms

Loss rate: 73.69%

-- Flow 1:

Average throughput: 0.00 Mbit/s

95th percentile per-packet one-way delay: 34.880 ms

Loss rate: 98.33%

-- Flow 2:

Average throughput: 9.82 Mbit/s

95th percentile per-packet one-way delay: 36.069 ms

Loss rate: 72.17%

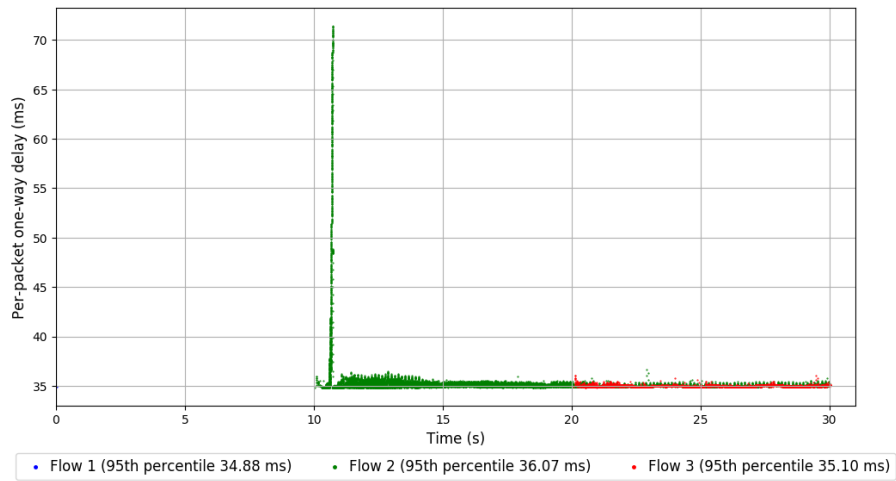
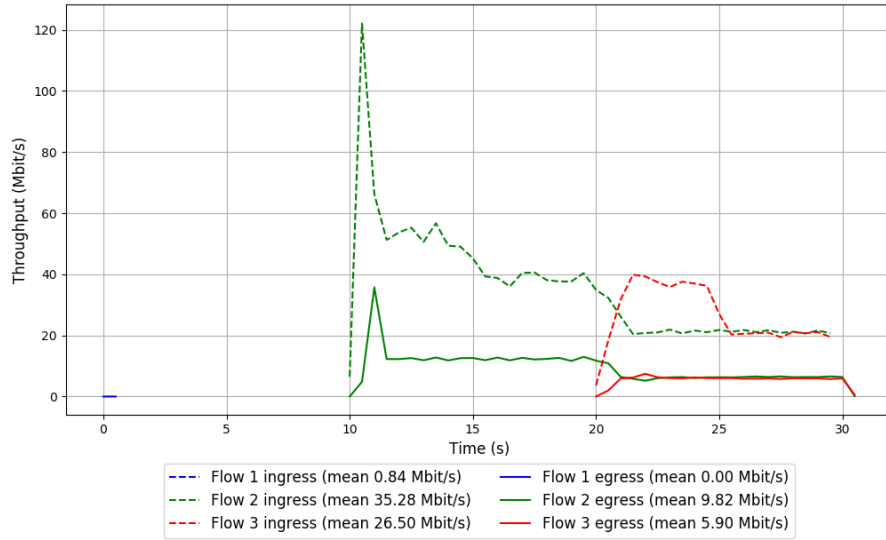
-- Flow 3:

Average throughput: 5.90 Mbit/s

95th percentile per-packet one-way delay: 35.096 ms

Loss rate: 77.73%

### Run 1: Report of Copa — Data Link



Run 2: Statistics of Copa

Start at: 2019-09-18 09:50:28

End at: 2019-09-18 09:50:58

Local clock offset: 1.235 ms

Remote clock offset: 8.945 ms

# Below is generated by plot.py at 2019-09-18 12:15:21

# Datalink statistics

-- Total of 3 flows:

Average throughput: 8.50 Mbit/s

95th percentile per-packet one-way delay: 35.072 ms

Loss rate: 73.03%

-- Flow 1:

Average throughput: 0.00 Mbit/s

95th percentile per-packet one-way delay: 34.689 ms

Loss rate: 97.24%

-- Flow 2:

Average throughput: 9.71 Mbit/s

95th percentile per-packet one-way delay: 35.661 ms

Loss rate: 68.83%

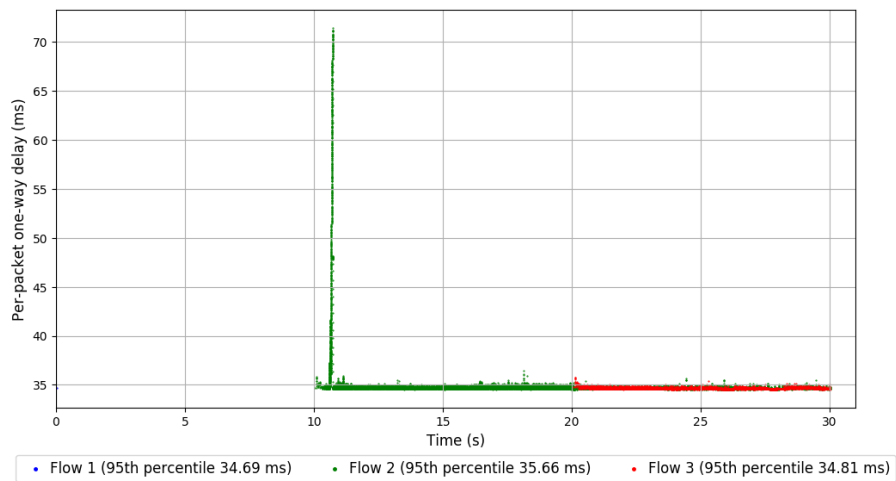
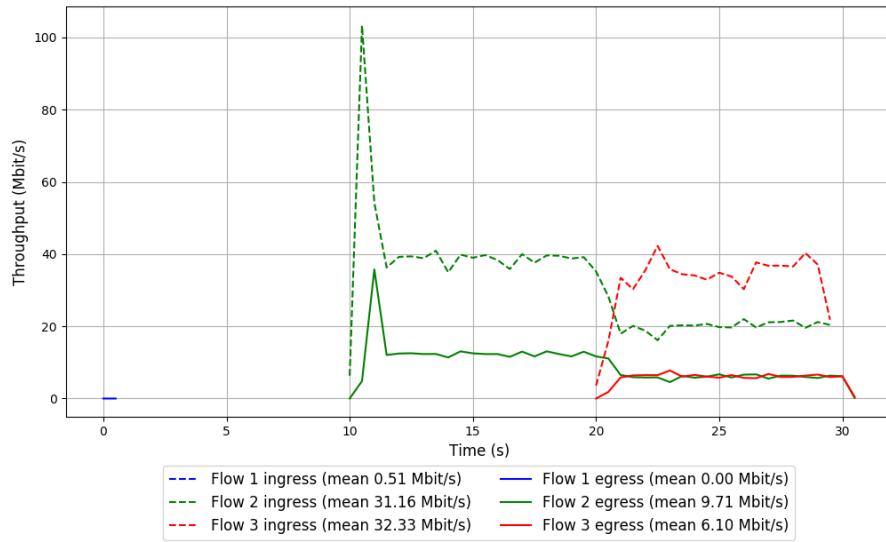
-- Flow 3:

Average throughput: 6.10 Mbit/s

95th percentile per-packet one-way delay: 34.811 ms

Loss rate: 81.14%

## Run 2: Report of Copa — Data Link



Run 3: Statistics of Copa

Start at: 2019-09-18 10:27:55

End at: 2019-09-18 10:28:25

Local clock offset: -3.537 ms

Remote clock offset: 8.881 ms

# Below is generated by plot.py at 2019-09-18 12:15:21

# Datalink statistics

-- Total of 3 flows:

Average throughput: 8.50 Mbit/s

95th percentile per-packet one-way delay: 34.970 ms

Loss rate: 68.04%

-- Flow 1:

Average throughput: 0.00 Mbit/s

95th percentile per-packet one-way delay: 34.609 ms

Loss rate: 98.80%

-- Flow 2:

Average throughput: 11.69 Mbit/s

95th percentile per-packet one-way delay: 35.019 ms

Loss rate: 67.49%

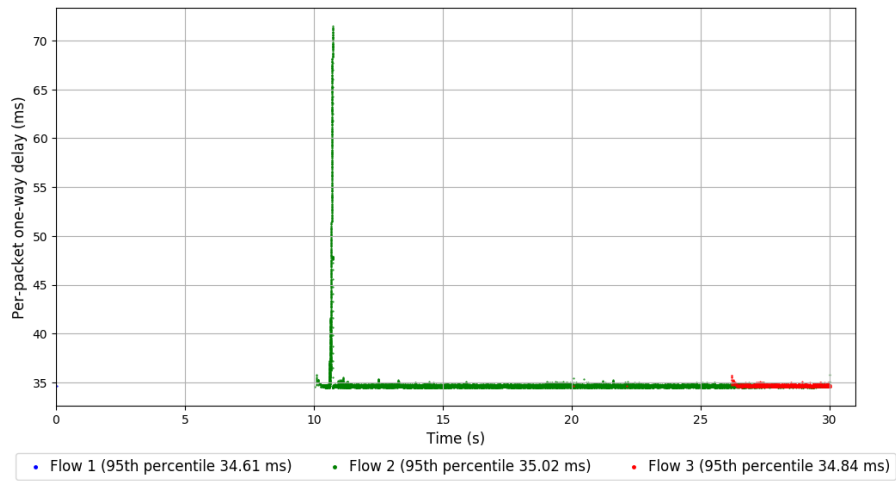
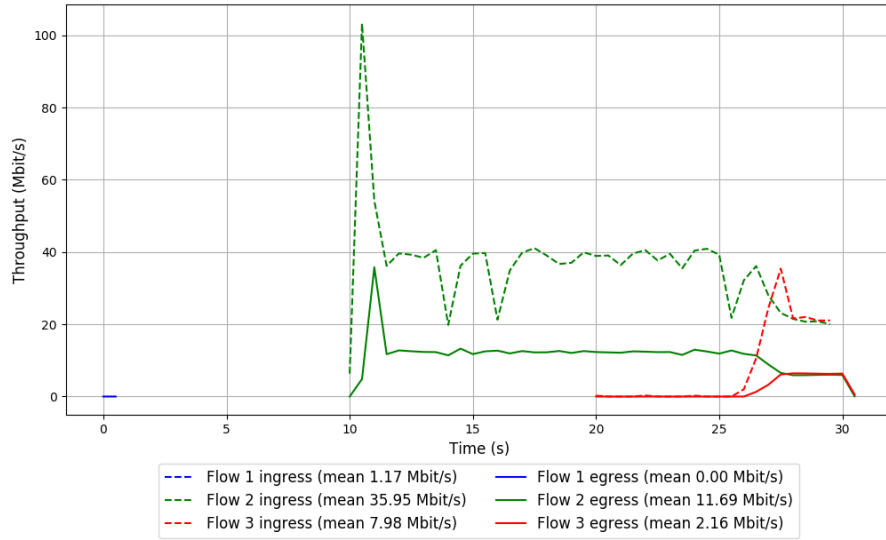
-- Flow 3:

Average throughput: 2.16 Mbit/s

95th percentile per-packet one-way delay: 34.842 ms

Loss rate: 72.94%

### Run 3: Report of Copa — Data Link





Run 4: Statistics of Copa

Start at: 2019-09-18 11:03:56

End at: 2019-09-18 11:04:26

Local clock offset: -2.183 ms

Remote clock offset: 8.548 ms

# Below is generated by plot.py at 2019-09-18 12:15:21

# Datalink statistics

-- Total of 3 flows:

Average throughput: 8.50 Mbit/s

95th percentile per-packet one-way delay: 35.397 ms

Loss rate: 70.62%

-- Flow 1:

Average throughput: 0.00 Mbit/s

95th percentile per-packet one-way delay: 34.954 ms

Loss rate: 97.24%

-- Flow 2:

Average throughput: 10.93 Mbit/s

95th percentile per-packet one-way delay: 35.492 ms

Loss rate: 70.48%

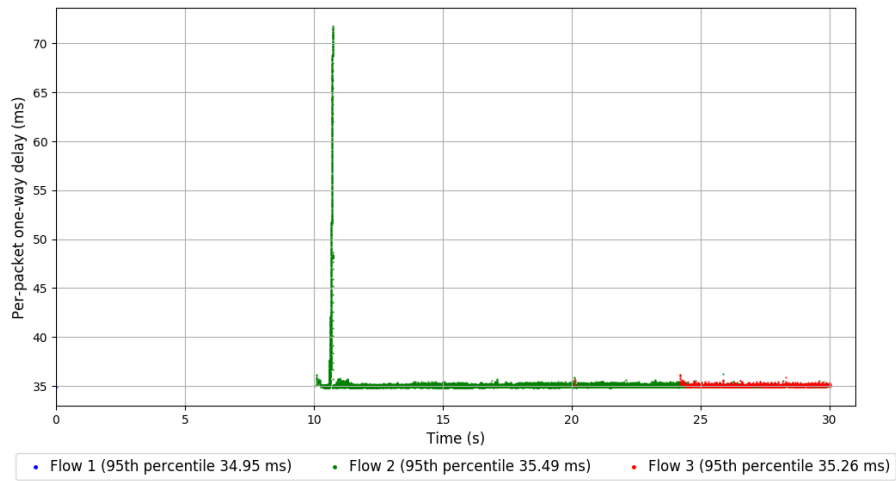
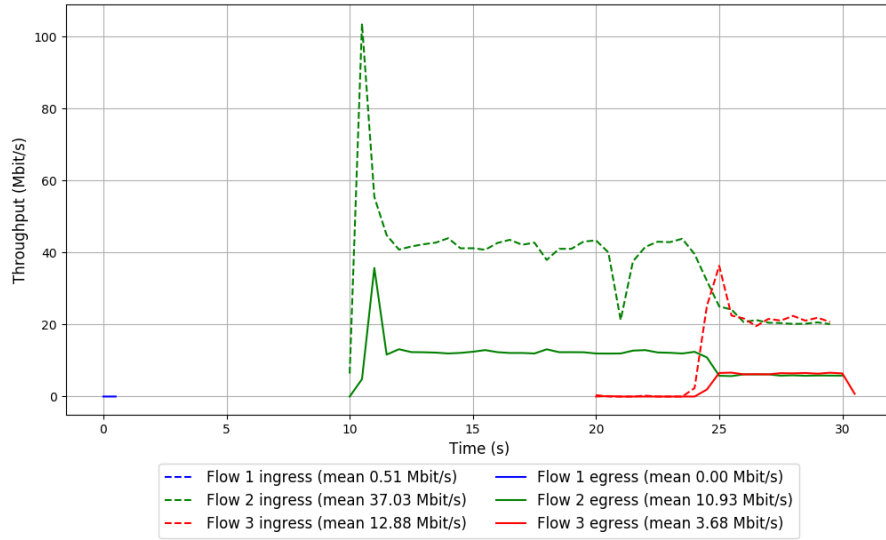
-- Flow 3:

Average throughput: 3.68 Mbit/s

95th percentile per-packet one-way delay: 35.264 ms

Loss rate: 71.42%

### Run 4: Report of Copa — Data Link



Run 5: Statistics of Copa

Start at: 2019-09-18 11:40:56

End at: 2019-09-18 11:41:26

Local clock offset: 0.694 ms

Remote clock offset: 8.702 ms

# Below is generated by plot.py at 2019-09-18 12:15:21

# Datalink statistics

-- Total of 3 flows:

Average throughput: 8.50 Mbit/s

95th percentile per-packet one-way delay: 35.125 ms

Loss rate: 68.88%

-- Flow 1:

Average throughput: 0.00 Mbit/s

95th percentile per-packet one-way delay: 34.821 ms

Loss rate: 98.60%

-- Flow 2:

Average throughput: 11.05 Mbit/s

95th percentile per-packet one-way delay: 35.314 ms

Loss rate: 67.62%

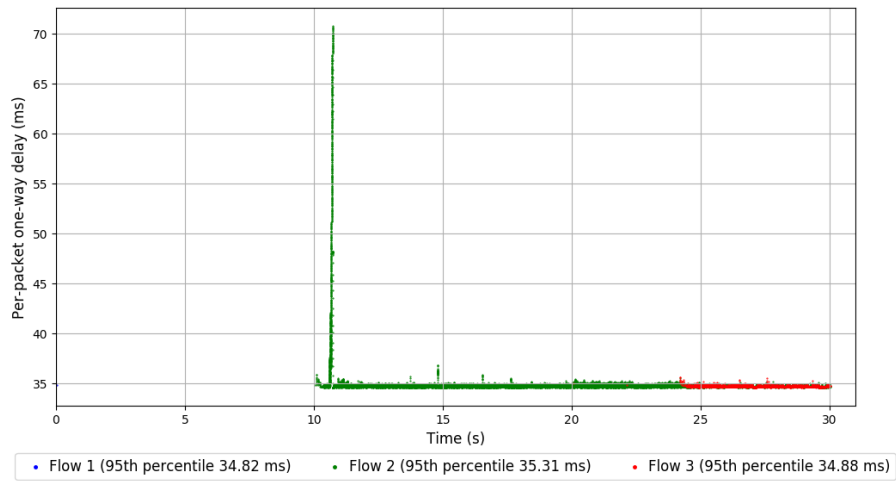
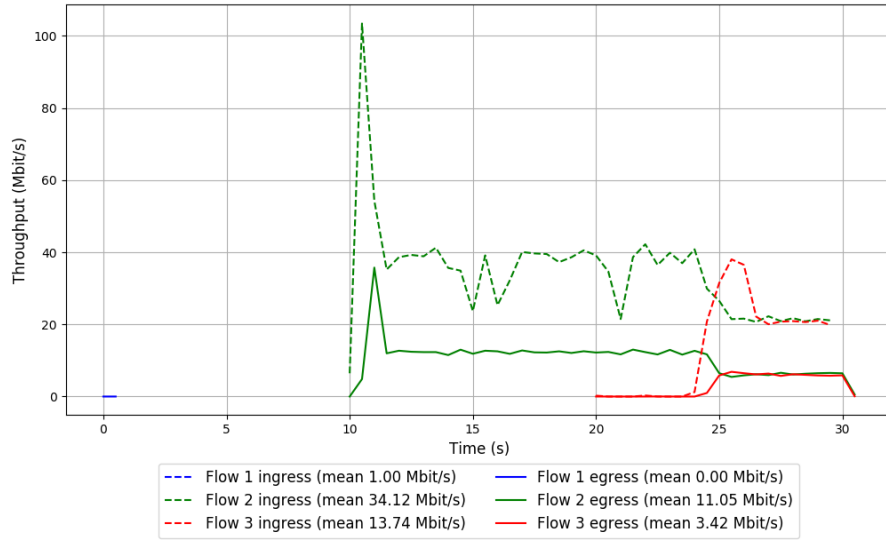
-- Flow 3:

Average throughput: 3.42 Mbit/s

95th percentile per-packet one-way delay: 34.875 ms

Loss rate: 75.11%

### Run 5: Report of Copa — Data Link



Run 1: Statistics of TCP Cubic

Start at: 2019-09-18 09:41:13

End at: 2019-09-18 09:41:43

Local clock offset: 2.084 ms

Remote clock offset: 8.538 ms

# Below is generated by plot.py at 2019-09-18 12:15:33

# Datalink statistics

-- Total of 3 flows:

Average throughput: 96.26 Mbit/s

95th percentile per-packet one-way delay: 71.201 ms

Loss rate: 0.84%

-- Flow 1:

Average throughput: 73.06 Mbit/s

95th percentile per-packet one-way delay: 71.396 ms

Loss rate: 0.85%

-- Flow 2:

Average throughput: 23.80 Mbit/s

95th percentile per-packet one-way delay: 70.320 ms

Loss rate: 0.80%

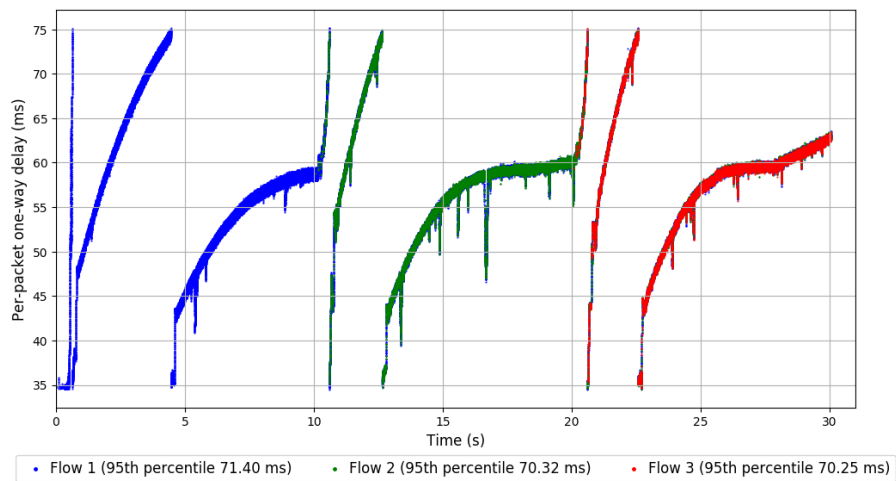
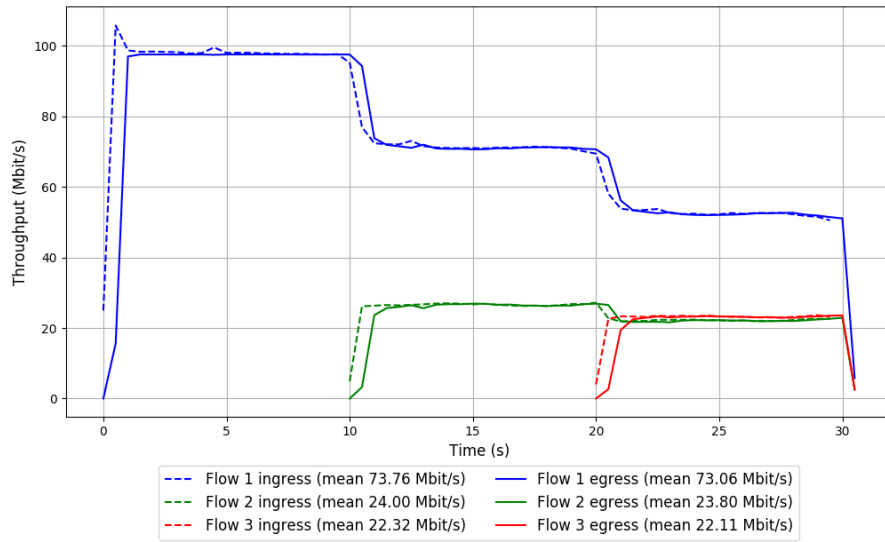
-- Flow 3:

Average throughput: 22.11 Mbit/s

95th percentile per-packet one-way delay: 70.252 ms

Loss rate: 0.88%

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



Run 2: Statistics of TCP Cubic

Start at: 2019-09-18 10:17:46

End at: 2019-09-18 10:18:16

Local clock offset: -2.848 ms

Remote clock offset: 9.767 ms

# Below is generated by plot.py at 2019-09-18 12:15:41

# Datalink statistics

-- Total of 3 flows:

Average throughput: 96.25 Mbit/s

95th percentile per-packet one-way delay: 69.373 ms

Loss rate: 0.97%

-- Flow 1:

Average throughput: 77.68 Mbit/s

95th percentile per-packet one-way delay: 68.913 ms

Loss rate: 1.02%

-- Flow 2:

Average throughput: 16.81 Mbit/s

95th percentile per-packet one-way delay: 70.866 ms

Loss rate: 0.72%

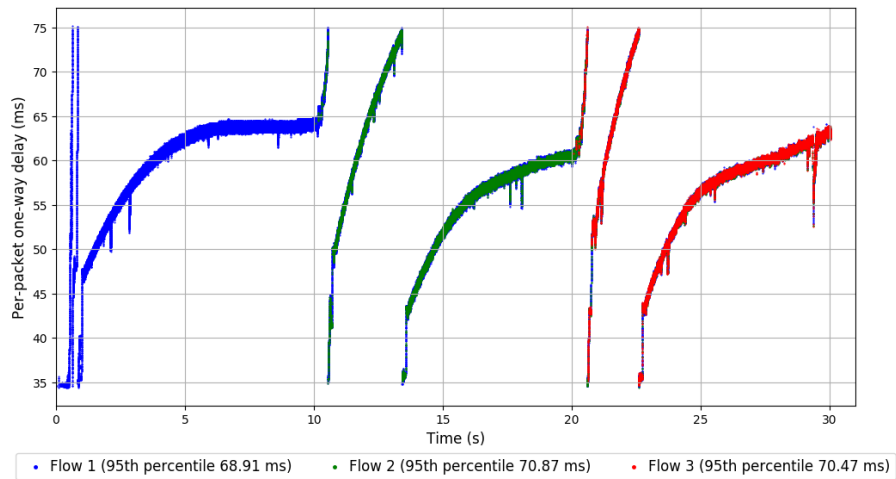
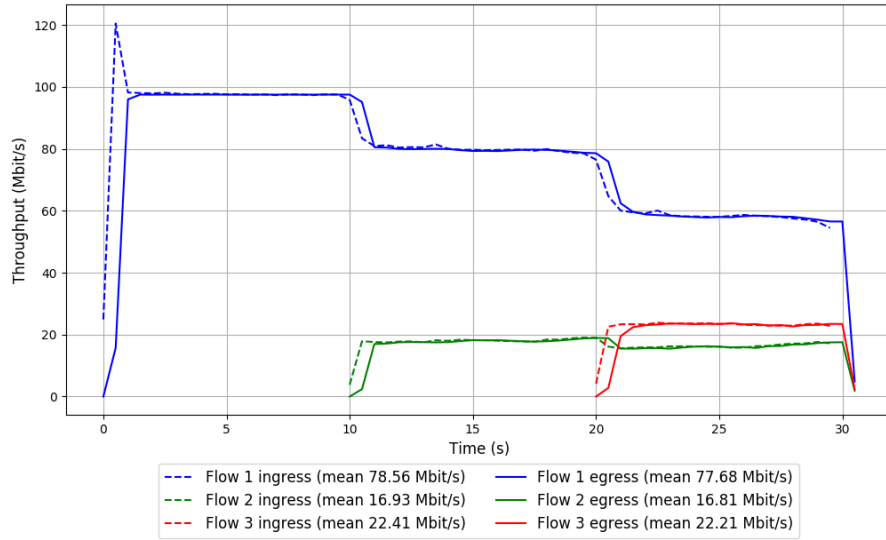
-- Flow 3:

Average throughput: 22.21 Mbit/s

95th percentile per-packet one-way delay: 70.473 ms

Loss rate: 0.86%

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





Run 3: Statistics of TCP Cubic

Start at: 2019-09-18 10:55:12

End at: 2019-09-18 10:55:42

Local clock offset: -3.279 ms

Remote clock offset: 7.898 ms

# Below is generated by plot.py at 2019-09-18 12:15:41

# Datalink statistics

-- Total of 3 flows:

Average throughput: 96.16 Mbit/s

95th percentile per-packet one-way delay: 68.899 ms

Loss rate: 0.81%

-- Flow 1:

Average throughput: 77.48 Mbit/s

95th percentile per-packet one-way delay: 68.237 ms

Loss rate: 0.86%

-- Flow 2:

Average throughput: 23.20 Mbit/s

95th percentile per-packet one-way delay: 70.781 ms

Loss rate: 0.64%

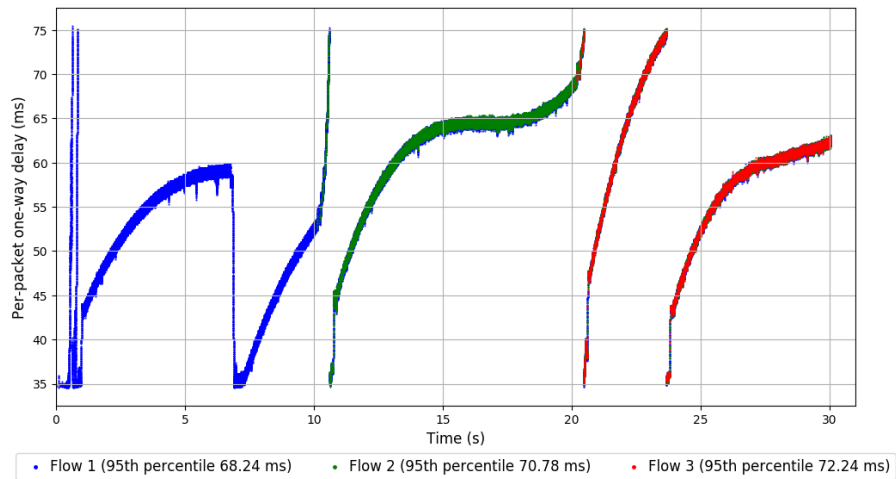
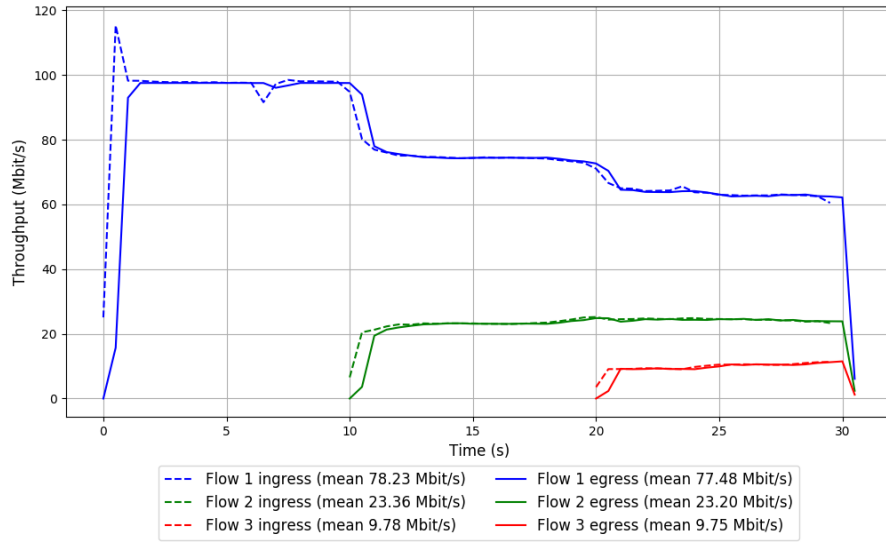
-- Flow 3:

Average throughput: 9.75 Mbit/s

95th percentile per-packet one-way delay: 72.236 ms

Loss rate: 0.38%

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



Run 4: Statistics of TCP Cubic

Start at: 2019-09-18 11:30:34

End at: 2019-09-18 11:31:04

Local clock offset: 1.167 ms

Remote clock offset: 9.085 ms

# Below is generated by plot.py at 2019-09-18 12:16:17

# Datalink statistics

-- Total of 3 flows:

Average throughput: 95.93 Mbit/s

95th percentile per-packet one-way delay: 71.875 ms

Loss rate: 0.98%

-- Flow 1:

Average throughput: 75.23 Mbit/s

95th percentile per-packet one-way delay: 71.122 ms

Loss rate: 1.03%

-- Flow 2:

Average throughput: 17.14 Mbit/s

95th percentile per-packet one-way delay: 72.788 ms

Loss rate: 0.76%

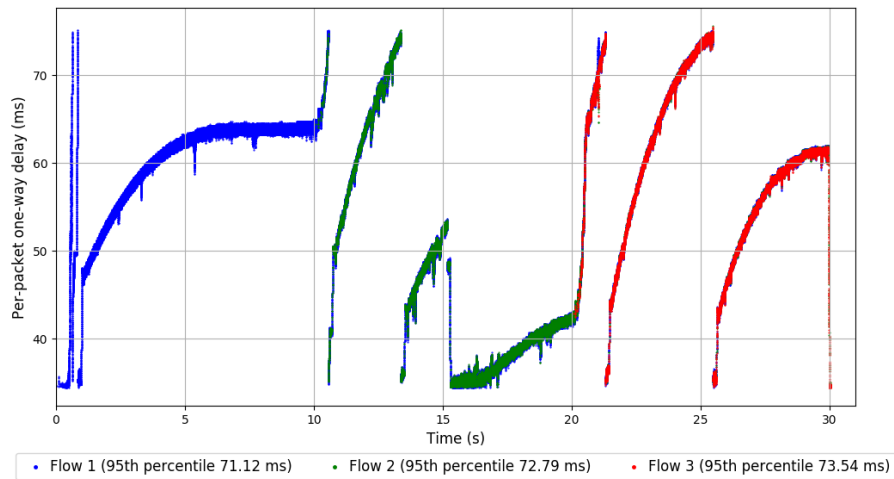
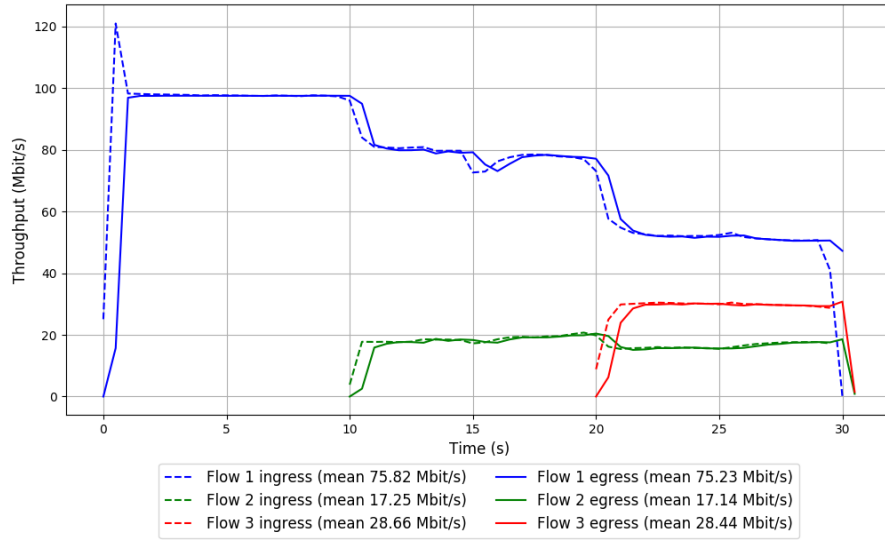
-- Flow 3:

Average throughput: 28.44 Mbit/s

95th percentile per-packet one-way delay: 73.540 ms

Loss rate: 0.86%

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



Run 5: Statistics of TCP Cubic

Start at: 2019-09-18 12:07:59

End at: 2019-09-18 12:08:29

Local clock offset: -1.456 ms

Remote clock offset: 8.354 ms

# Below is generated by plot.py at 2019-09-18 12:16:18

# Datalink statistics

-- Total of 3 flows:

Average throughput: 96.26 Mbit/s

95th percentile per-packet one-way delay: 69.329 ms

Loss rate: 0.98%

-- Flow 1:

Average throughput: 77.77 Mbit/s

95th percentile per-packet one-way delay: 69.009 ms

Loss rate: 1.03%

-- Flow 2:

Average throughput: 16.79 Mbit/s

95th percentile per-packet one-way delay: 70.973 ms

Loss rate: 0.68%

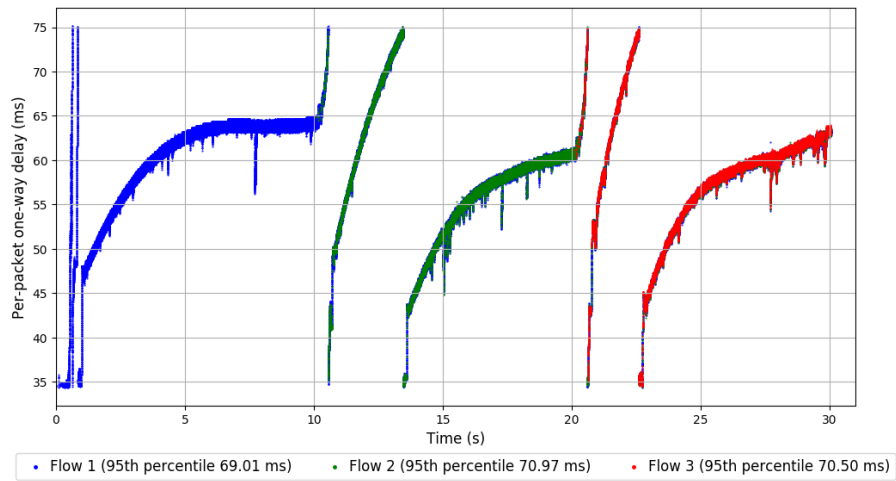
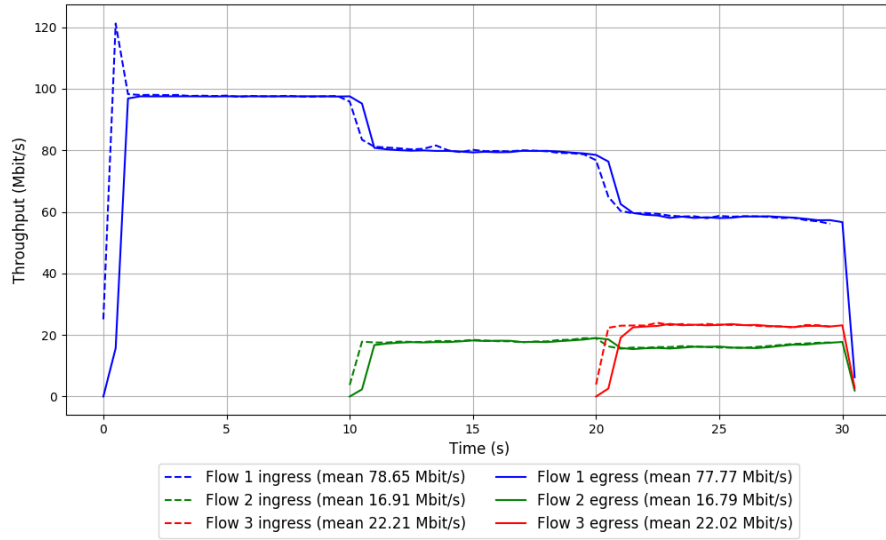
-- Flow 3:

Average throughput: 22.02 Mbit/s

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

Loss rate: 0.84%

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



Run 1: Statistics of FillP

Start at: 2019-09-18 09:42:43

End at: 2019-09-18 09:43:13

Local clock offset: 1.858 ms

Remote clock offset: 8.474 ms

# Below is generated by plot.py at 2019-09-18 12:16:49

# Datalink statistics

-- Total of 3 flows:

Average throughput: 92.29 Mbit/s

95th percentile per-packet one-way delay: 71.698 ms

Loss rate: 37.27%

-- Flow 1:

Average throughput: 59.72 Mbit/s

95th percentile per-packet one-way delay: 69.519 ms

Loss rate: 29.15%

-- Flow 2:

Average throughput: 40.96 Mbit/s

95th percentile per-packet one-way delay: 73.166 ms

Loss rate: 46.31%

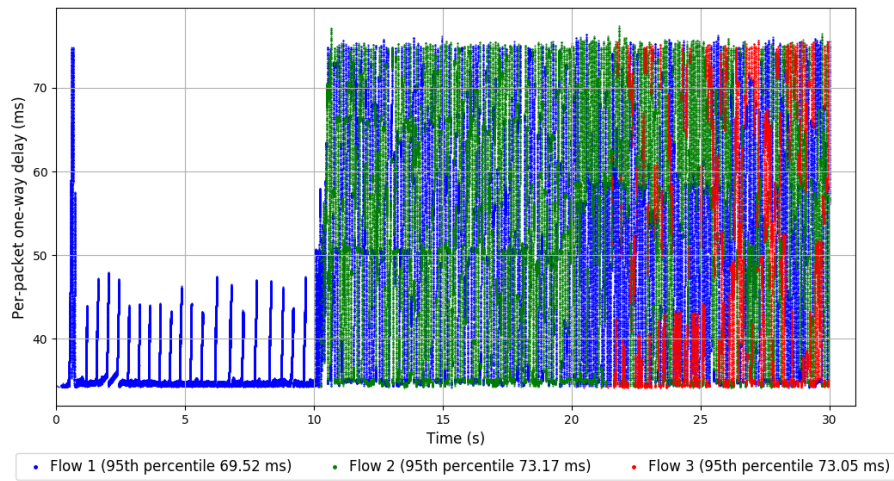
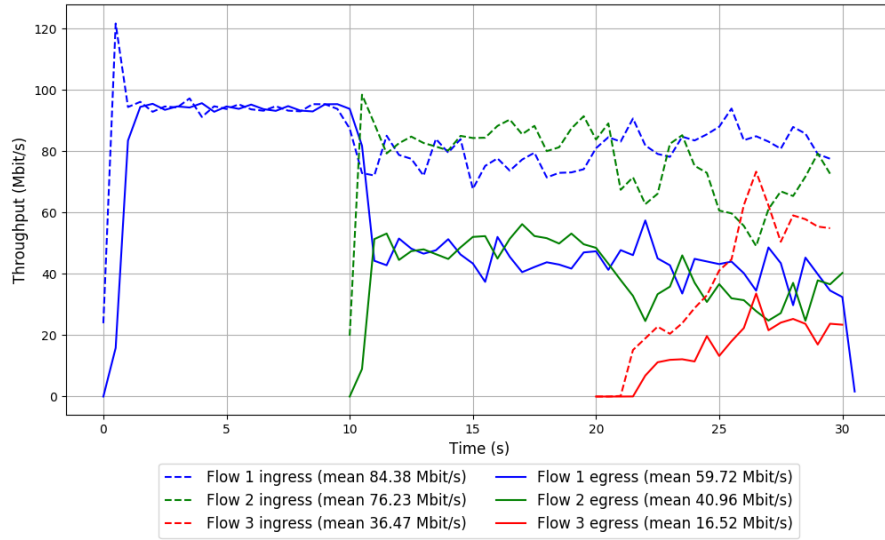
-- Flow 3:

Average throughput: 16.52 Mbit/s

95th percentile per-packet one-way delay: 73.053 ms

Loss rate: 55.94%

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





Run 2: Statistics of FillP

Start at: 2019-09-18 10:19:54

End at: 2019-09-18 10:20:24

Local clock offset: -3.047 ms

Remote clock offset: 9.805 ms

# Below is generated by plot.py at 2019-09-18 12:16:51

# Datalink statistics

-- Total of 3 flows:

Average throughput: 93.32 Mbit/s

95th percentile per-packet one-way delay: 71.845 ms

Loss rate: 38.81%

-- Flow 1:

Average throughput: 58.90 Mbit/s

95th percentile per-packet one-way delay: 70.027 ms

Loss rate: 30.45%

-- Flow 2:

Average throughput: 39.46 Mbit/s

95th percentile per-packet one-way delay: 72.921 ms

Loss rate: 47.18%

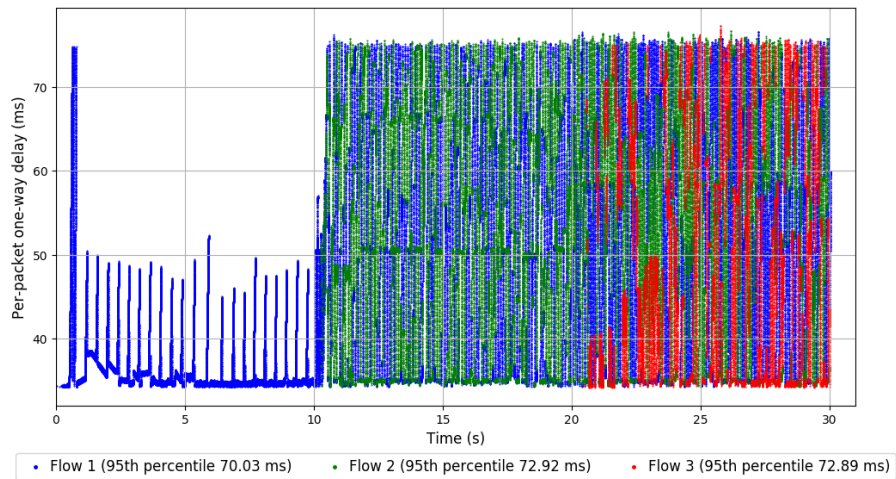
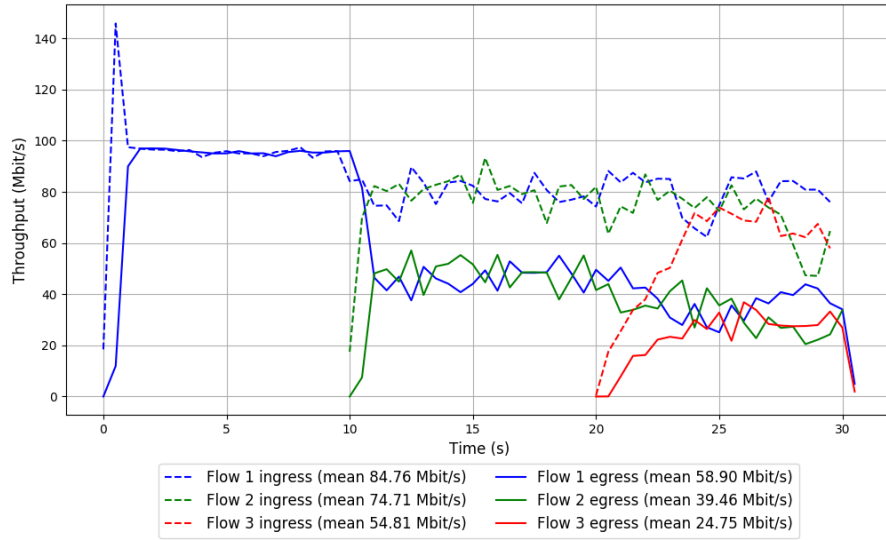
-- Flow 3:

Average throughput: 24.75 Mbit/s

95th percentile per-packet one-way delay: 72.892 ms

Loss rate: 54.95%

## Run 2: Report of FillP — Data Link



Run 3: Statistics of FillP

Start at: 2019-09-18 10:56:40

End at: 2019-09-18 10:57:10

Local clock offset: -3.311 ms

Remote clock offset: 7.825 ms

# Below is generated by plot.py at 2019-09-18 12:16:51

# Datalink statistics

-- Total of 3 flows:

Average throughput: 92.07 Mbit/s

95th percentile per-packet one-way delay: 71.409 ms

Loss rate: 37.79%

-- Flow 1:

Average throughput: 59.53 Mbit/s

95th percentile per-packet one-way delay: 69.048 ms

Loss rate: 28.94%

-- Flow 2:

Average throughput: 41.01 Mbit/s

95th percentile per-packet one-way delay: 73.066 ms

Loss rate: 49.17%

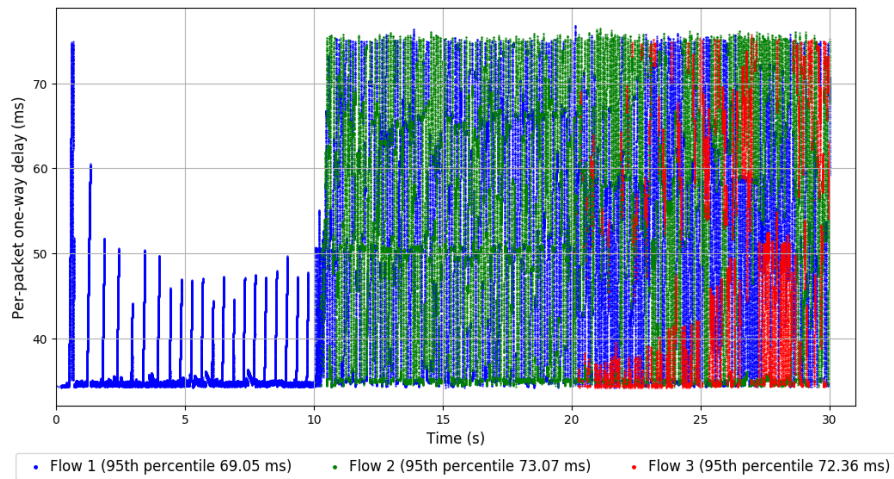
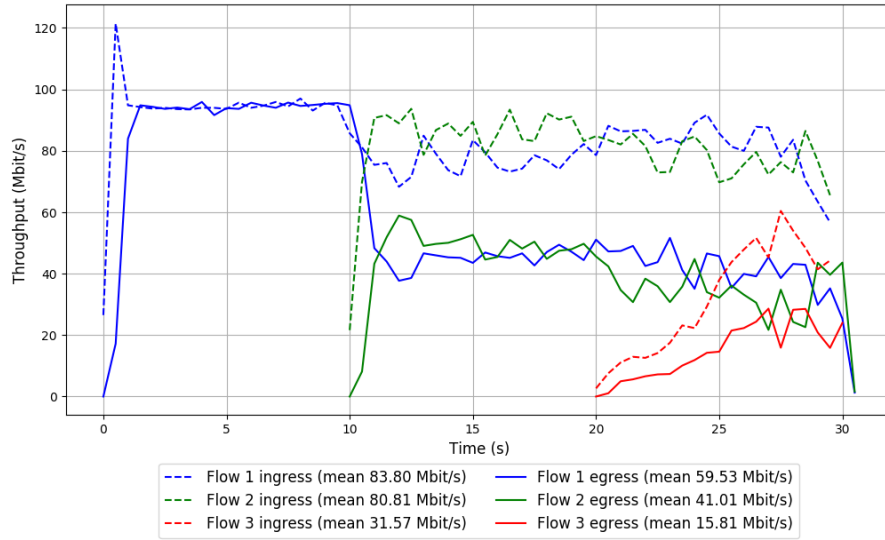
-- Flow 3:

Average throughput: 15.81 Mbit/s

95th percentile per-packet one-way delay: 72.363 ms

Loss rate: 50.07%

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



Run 4: Statistics of FillP

Start at: 2019-09-18 11:32:54

End at: 2019-09-18 11:33:24

Local clock offset: 1.012 ms

Remote clock offset: 8.904 ms

# Below is generated by plot.py at 2019-09-18 12:17:03

# Datalink statistics

-- Total of 3 flows:

Average throughput: 93.24 Mbit/s

95th percentile per-packet one-way delay: 71.615 ms

Loss rate: 39.18%

-- Flow 1:

Average throughput: 57.75 Mbit/s

95th percentile per-packet one-way delay: 70.361 ms

Loss rate: 30.03%

-- Flow 2:

Average throughput: 42.19 Mbit/s

95th percentile per-packet one-way delay: 72.920 ms

Loss rate: 48.19%

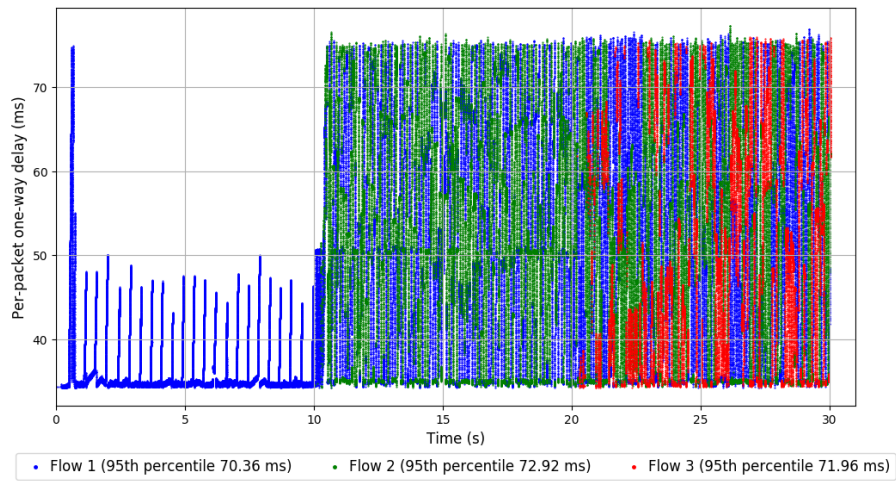
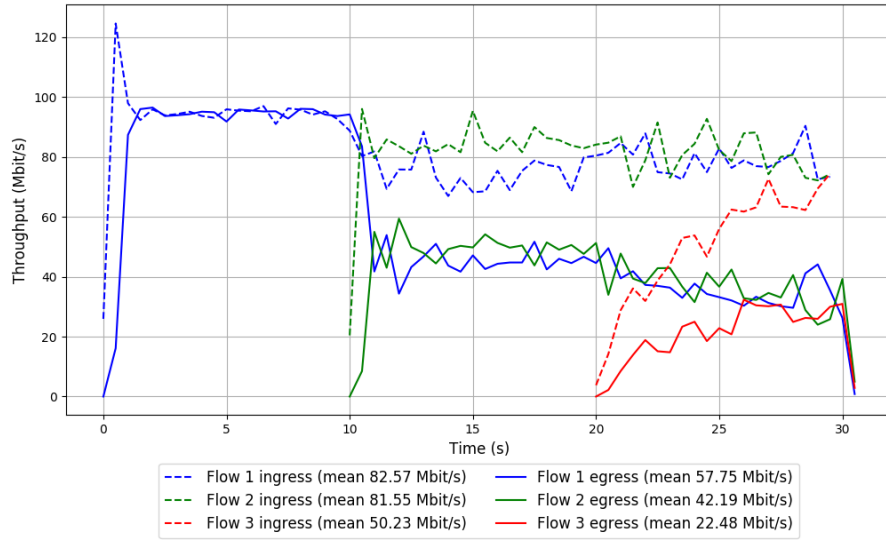
-- Flow 3:

Average throughput: 22.48 Mbit/s

95th percentile per-packet one-way delay: 71.964 ms

Loss rate: 55.17%

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



Run 5: Statistics of FillP

Start at: 2019-09-18 12:09:45

End at: 2019-09-18 12:10:15

Local clock offset: -1.782 ms

Remote clock offset: 8.367 ms

# Below is generated by plot.py at 2019-09-18 12:17:09

# Datalink statistics

-- Total of 3 flows:

Average throughput: 92.37 Mbit/s

95th percentile per-packet one-way delay: 71.310 ms

Loss rate: 36.39%

-- Flow 1:

Average throughput: 59.89 Mbit/s

95th percentile per-packet one-way delay: 70.329 ms

Loss rate: 29.36%

-- Flow 2:

Average throughput: 43.14 Mbit/s

95th percentile per-packet one-way delay: 72.515 ms

Loss rate: 46.17%

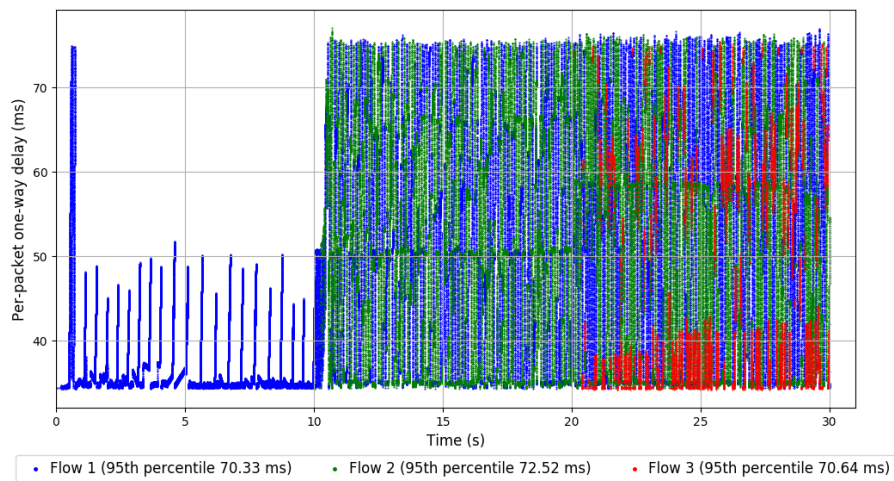
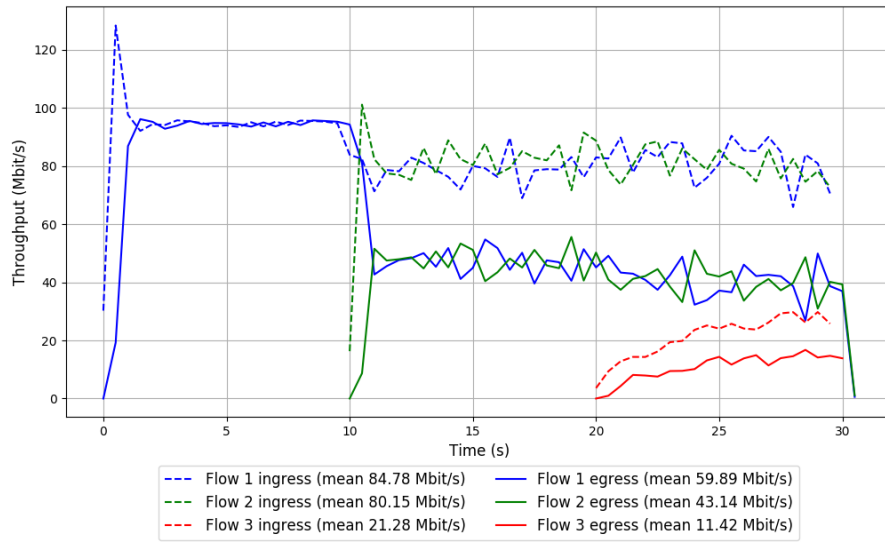
-- Flow 3:

Average throughput: 11.42 Mbit/s

95th percentile per-packet one-way delay: 70.637 ms

Loss rate: 46.79%

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





Run 1: Statistics of FillP-Sheep

Start at: 2019-09-18 09:27:46

End at: 2019-09-18 09:28:16

Local clock offset: 5.335 ms

Remote clock offset: 8.202 ms

# Below is generated by plot.py at 2019-09-18 12:17:09

# Datalink statistics

-- Total of 3 flows:

Average throughput: 89.80 Mbit/s

95th percentile per-packet one-way delay: 69.507 ms

Loss rate: 11.56%

-- Flow 1:

Average throughput: 56.70 Mbit/s

95th percentile per-packet one-way delay: 67.979 ms

Loss rate: 8.68%

-- Flow 2:

Average throughput: 34.41 Mbit/s

95th percentile per-packet one-way delay: 71.252 ms

Loss rate: 15.56%

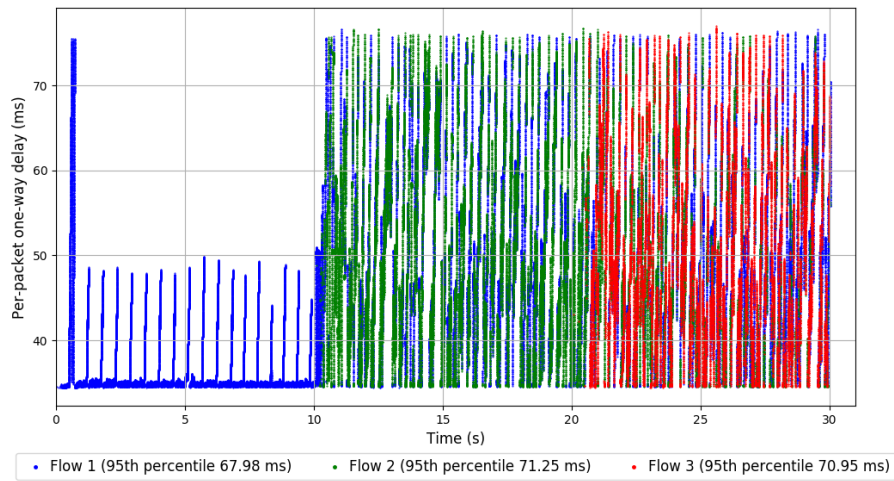
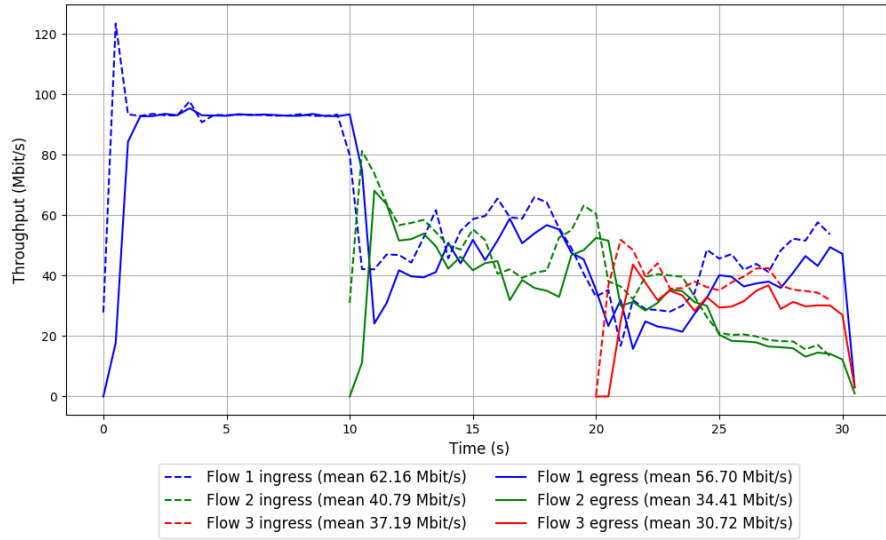
-- Flow 3:

Average throughput: 30.72 Mbit/s

95th percentile per-packet one-way delay: 70.948 ms

Loss rate: 17.24%

Run 1: Report of FillP-Sheep — Data Link



Run 2: Statistics of FillP-Sheep

Start at: 2019-09-18 10:04:07

End at: 2019-09-18 10:04:37

Local clock offset: -0.324 ms

Remote clock offset: 9.501 ms

# Below is generated by plot.py at 2019-09-18 12:17:37

# Datalink statistics

-- Total of 3 flows:

Average throughput: 90.08 Mbit/s

95th percentile per-packet one-way delay: 68.937 ms

Loss rate: 10.74%

-- Flow 1:

Average throughput: 60.33 Mbit/s

95th percentile per-packet one-way delay: 67.486 ms

Loss rate: 8.39%

-- Flow 2:

Average throughput: 38.54 Mbit/s

95th percentile per-packet one-way delay: 70.885 ms

Loss rate: 15.57%

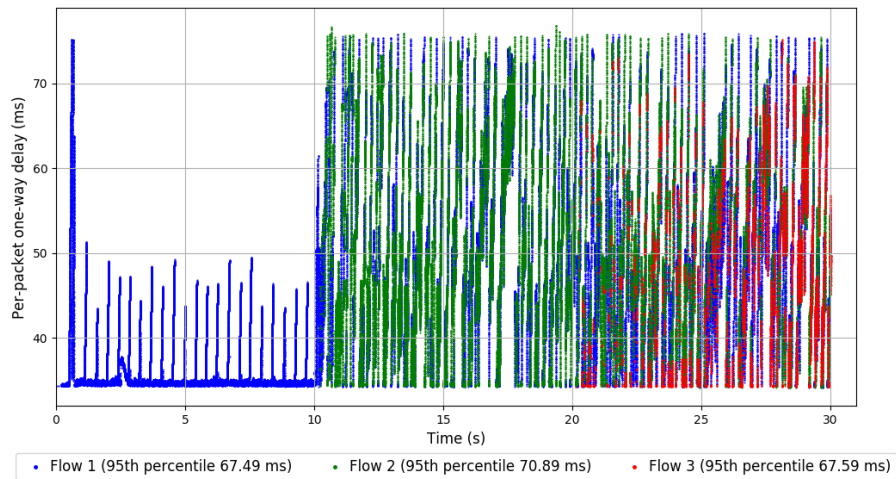
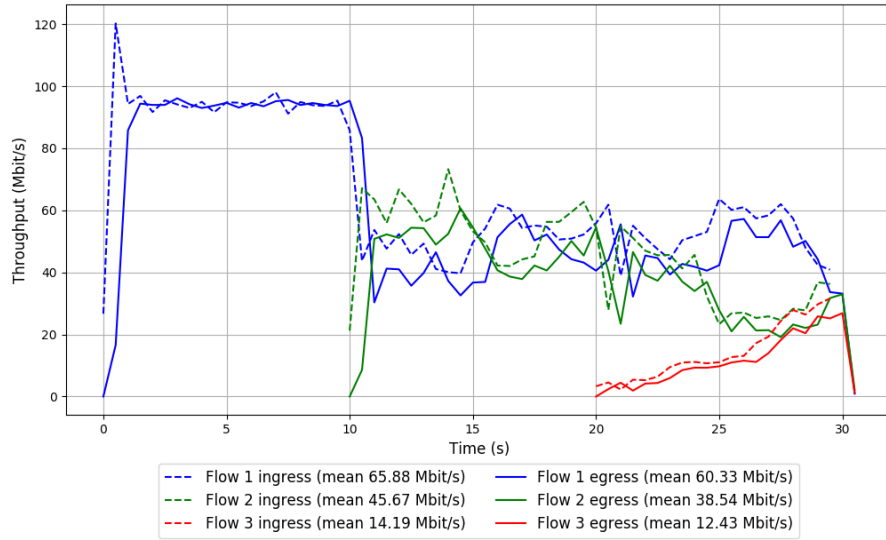
-- Flow 3:

Average throughput: 12.43 Mbit/s

95th percentile per-packet one-way delay: 67.588 ms

Loss rate: 12.50%

## Run 2: Report of FillP-Sheep — Data Link



Run 3: Statistics of FillP-Sheep

Start at: 2019-09-18 10:41:58

End at: 2019-09-18 10:42:28

Local clock offset: -3.219 ms

Remote clock offset: 8.053 ms

# Below is generated by plot.py at 2019-09-18 12:17:40

# Datalink statistics

-- Total of 3 flows:

Average throughput: 90.18 Mbit/s

95th percentile per-packet one-way delay: 69.470 ms

Loss rate: 11.72%

-- Flow 1:

Average throughput: 55.67 Mbit/s

95th percentile per-packet one-way delay: 68.215 ms

Loss rate: 9.50%

-- Flow 2:

Average throughput: 42.38 Mbit/s

95th percentile per-packet one-way delay: 70.871 ms

Loss rate: 14.85%

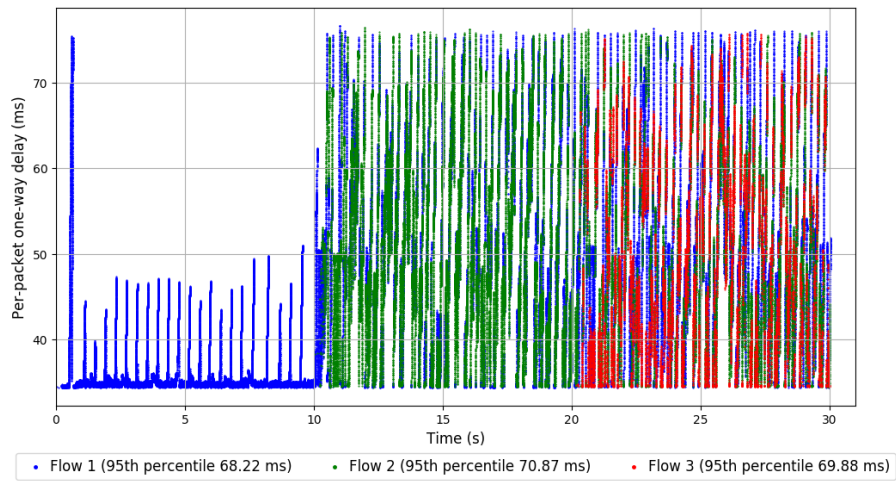
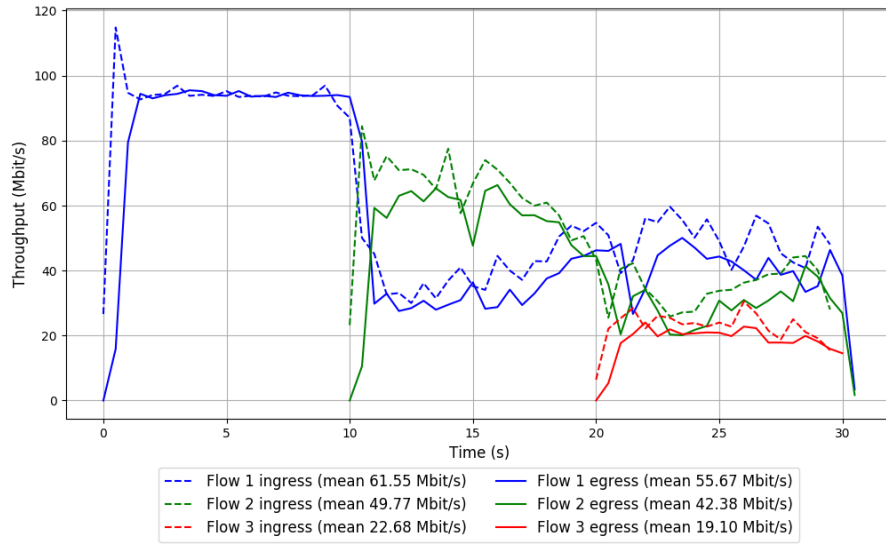
-- Flow 3:

Average throughput: 19.10 Mbit/s

95th percentile per-packet one-way delay: 69.875 ms

Loss rate: 16.01%

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



Run 4: Statistics of FillP-Sheep

Start at: 2019-09-18 11:17:07

End at: 2019-09-18 11:17:37

Local clock offset: 0.289 ms

Remote clock offset: 8.889 ms

# Below is generated by plot.py at 2019-09-18 12:18:07

# Datalink statistics

-- Total of 3 flows:

Average throughput: 90.25 Mbit/s

95th percentile per-packet one-way delay: 68.652 ms

Loss rate: 11.57%

-- Flow 1:

Average throughput: 55.55 Mbit/s

95th percentile per-packet one-way delay: 67.106 ms

Loss rate: 8.66%

-- Flow 2:

Average throughput: 43.44 Mbit/s

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

Loss rate: 15.73%

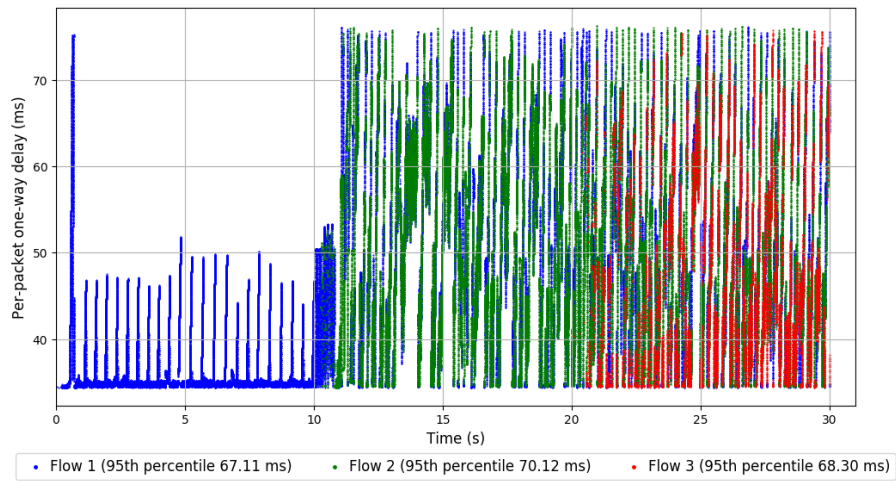
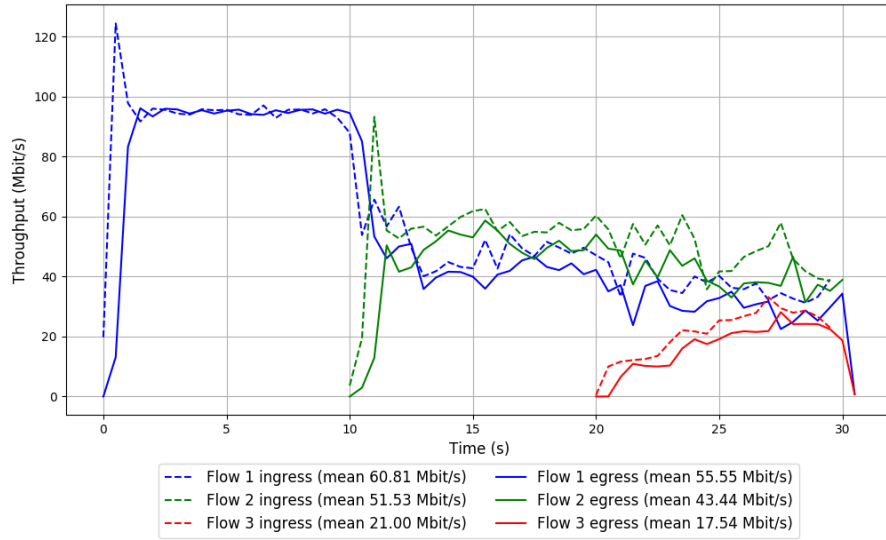
-- Flow 3:

Average throughput: 17.54 Mbit/s

95th percentile per-packet one-way delay: 68.297 ms

Loss rate: 16.51%

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





Run 5: Statistics of FillP-Sheep

Start at: 2019-09-18 11:54:36

End at: 2019-09-18 11:55:06

Local clock offset: 0.768 ms

Remote clock offset: 8.296 ms

# Below is generated by plot.py at 2019-09-18 12:18:09

# Datalink statistics

-- Total of 3 flows:

Average throughput: 90.64 Mbit/s

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

Loss rate: 13.09%

-- Flow 1:

Average throughput: 56.89 Mbit/s

95th percentile per-packet one-way delay: 68.174 ms

Loss rate: 10.14%

-- Flow 2:

Average throughput: 41.51 Mbit/s

95th percentile per-packet one-way delay: 70.618 ms

Loss rate: 17.61%

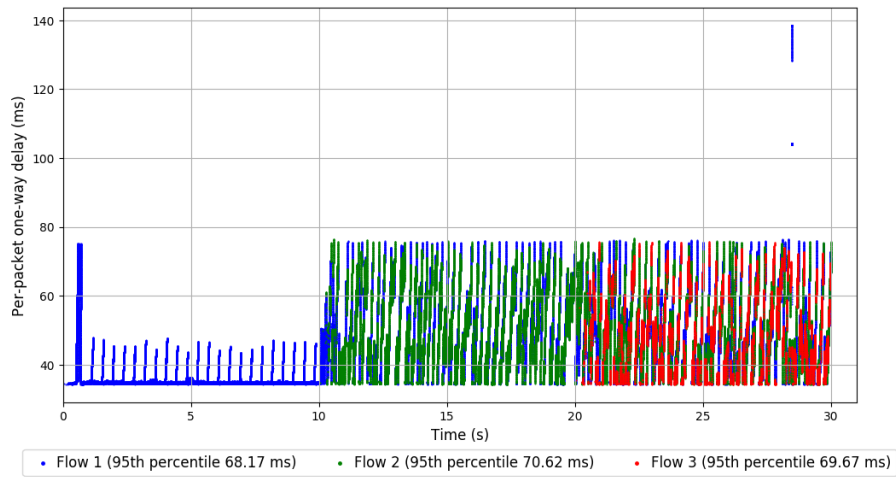
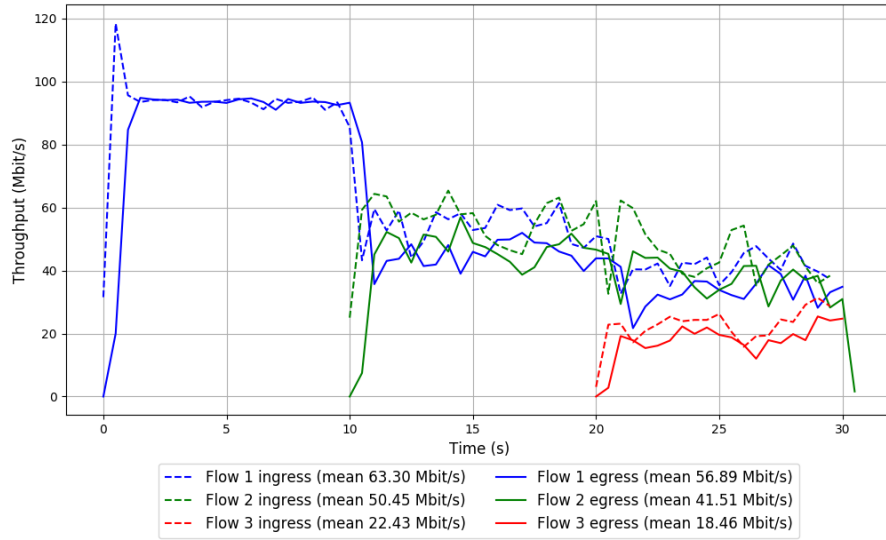
-- Flow 3:

Average throughput: 18.46 Mbit/s

95th percentile per-packet one-way delay: 69.665 ms

Loss rate: 17.80%

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



Run 1: Statistics of Indigo

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

End at: 2019-09-18 09:16:53

Local clock offset: 2.354 ms

Remote clock offset: 7.69 ms

# Below is generated by plot.py at 2019-09-18 12:18:09

# Datalink statistics

-- Total of 3 flows:

Average throughput: 94.40 Mbit/s

95th percentile per-packet one-way delay: 54.256 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 59.20 Mbit/s

95th percentile per-packet one-way delay: 50.265 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 36.19 Mbit/s

95th percentile per-packet one-way delay: 55.276 ms

Loss rate: 0.00%

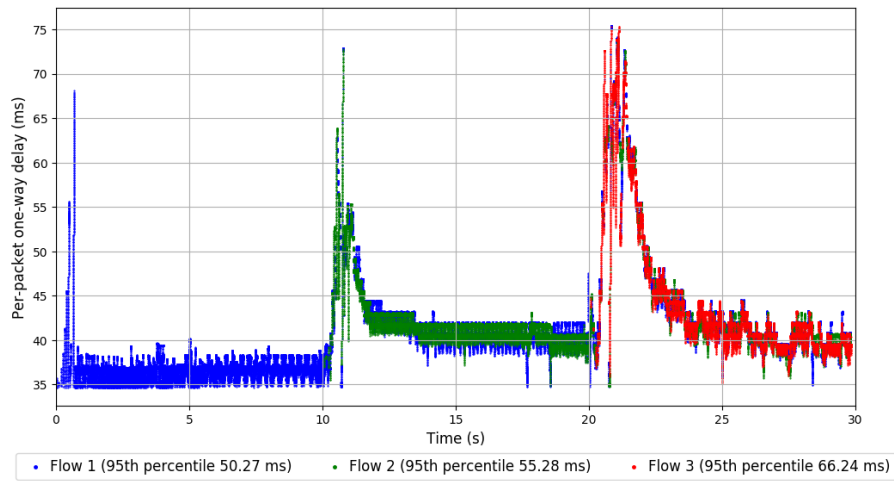
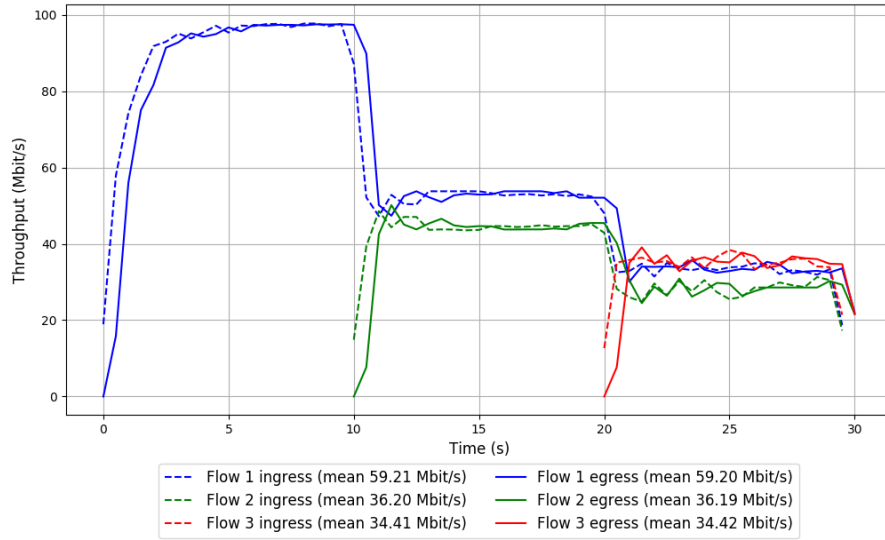
-- Flow 3:

Average throughput: 34.42 Mbit/s

95th percentile per-packet one-way delay: 66.241 ms

Loss rate: 0.01%

# Run 1: Report of Indigo — Data Link



Run 2: Statistics of Indigo

Start at: 2019-09-18 09:52:51

End at: 2019-09-18 09:53:21

Local clock offset: 1.147 ms

Remote clock offset: 8.941 ms

# Below is generated by plot.py at 2019-09-18 12:18:09

# Datalink statistics

-- Total of 3 flows:

Average throughput: 95.11 Mbit/s

95th percentile per-packet one-way delay: 50.640 ms

Loss rate: 0.41%

-- Flow 1:

Average throughput: 63.57 Mbit/s

95th percentile per-packet one-way delay: 48.182 ms

Loss rate: 0.22%

-- Flow 2:

Average throughput: 31.27 Mbit/s

95th percentile per-packet one-way delay: 51.301 ms

Loss rate: 0.51%

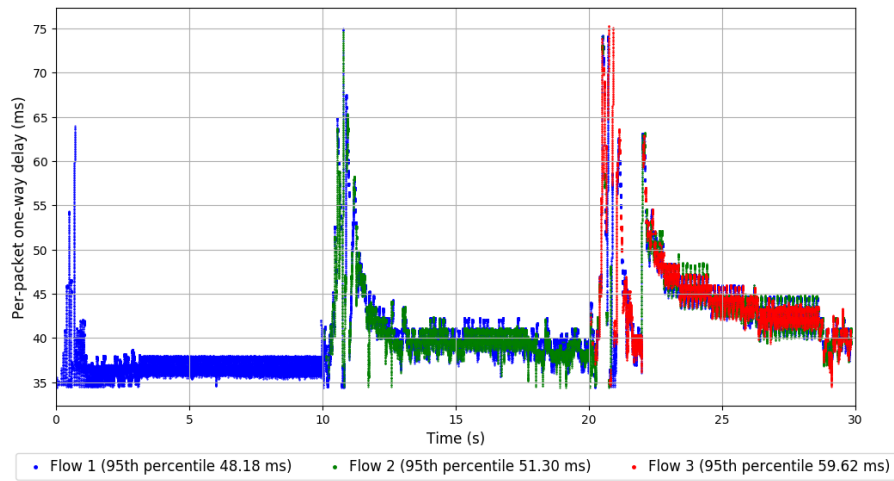
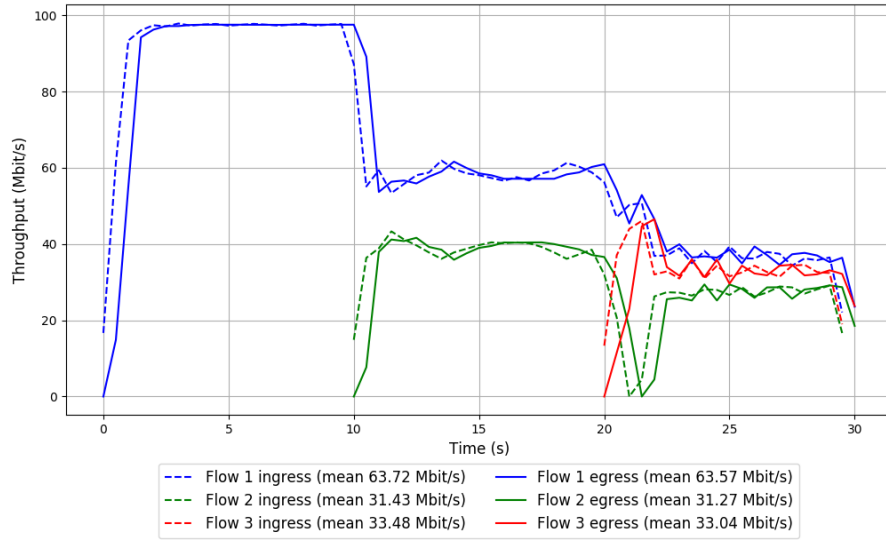
-- Flow 3:

Average throughput: 33.04 Mbit/s

95th percentile per-packet one-way delay: 59.622 ms

Loss rate: 1.33%

## Run 2: Report of Indigo — Data Link



Run 3: Statistics of Indigo

Start at: 2019-09-18 10:30:20

End at: 2019-09-18 10:30:50

Local clock offset: -3.664 ms

Remote clock offset: 8.723 ms

# Below is generated by plot.py at 2019-09-18 12:18:09

# Datalink statistics

-- Total of 3 flows:

Average throughput: 94.93 Mbit/s

95th percentile per-packet one-way delay: 51.644 ms

Loss rate: 0.21%

-- Flow 1:

Average throughput: 62.64 Mbit/s

95th percentile per-packet one-way delay: 49.230 ms

Loss rate: 0.20%

-- Flow 2:

Average throughput: 30.10 Mbit/s

95th percentile per-packet one-way delay: 53.539 ms

Loss rate: 0.36%

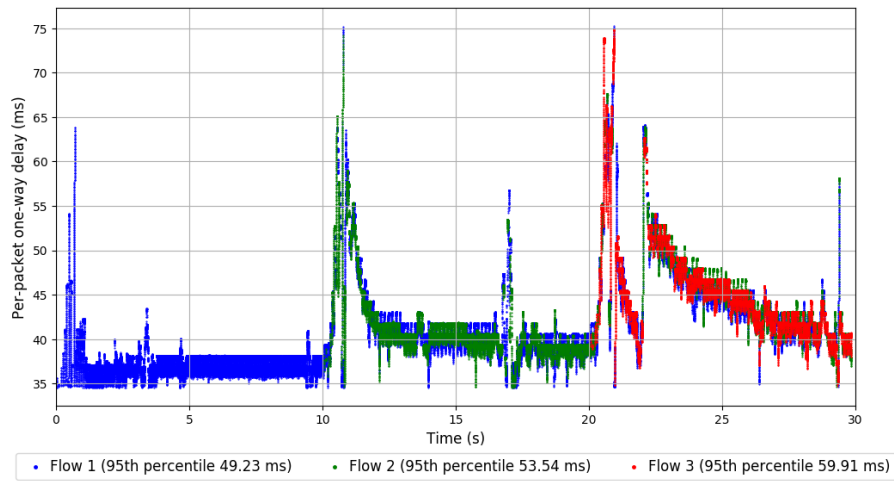
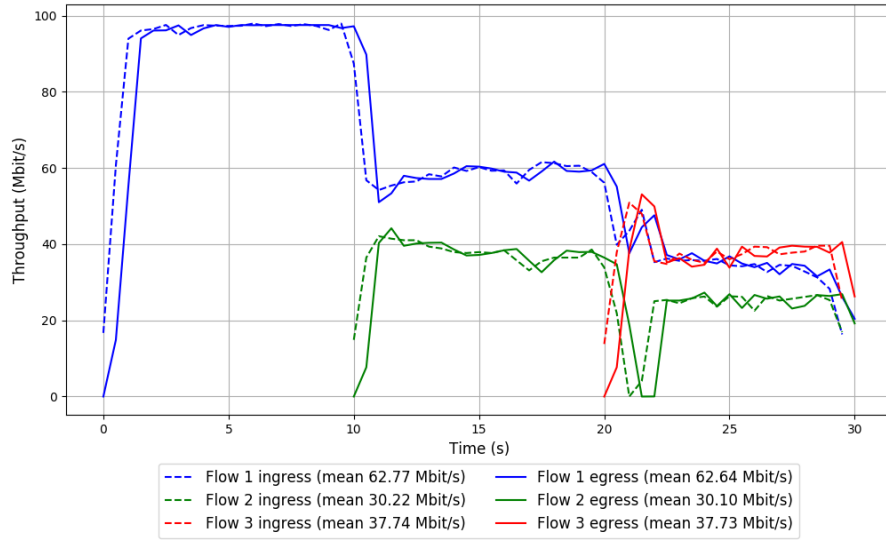
-- Flow 3:

Average throughput: 37.73 Mbit/s

95th percentile per-packet one-way delay: 59.908 ms

Loss rate: 0.00%

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





Run 4: Statistics of Indigo

Start at: 2019-09-18 11:06:19

End at: 2019-09-18 11:06:49

Local clock offset: -1.44 ms

Remote clock offset: 8.538 ms

# Below is generated by plot.py at 2019-09-18 12:18:16

# Datalink statistics

-- Total of 3 flows:

Average throughput: 94.89 Mbit/s

95th percentile per-packet one-way delay: 52.524 ms

Loss rate: 0.02%

-- Flow 1:

Average throughput: 63.17 Mbit/s

95th percentile per-packet one-way delay: 49.652 ms

Loss rate: 0.03%

-- Flow 2:

Average throughput: 33.97 Mbit/s

95th percentile per-packet one-way delay: 53.798 ms

Loss rate: 0.03%

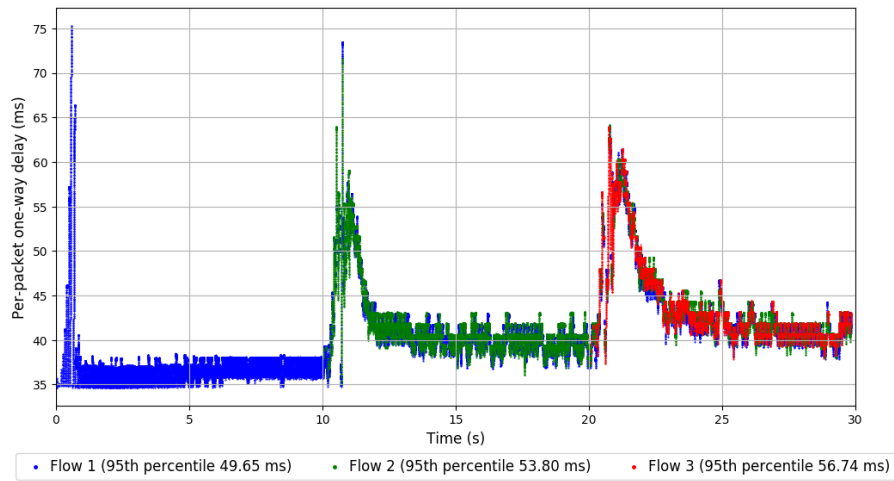
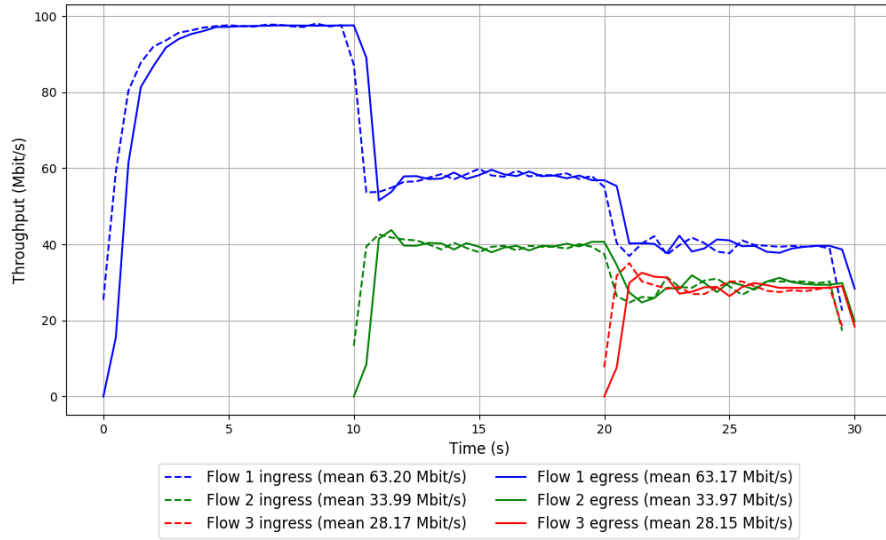
-- Flow 3:

Average throughput: 28.15 Mbit/s

95th percentile per-packet one-way delay: 56.743 ms

Loss rate: 0.00%

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



Run 5: Statistics of Indigo

Start at: 2019-09-18 11:43:18

End at: 2019-09-18 11:43:48

Local clock offset: 0.673 ms

Remote clock offset: 8.504 ms

# Below is generated by plot.py at 2019-09-18 12:18:45

# Datalink statistics

-- Total of 3 flows:

Average throughput: 95.22 Mbit/s

95th percentile per-packet one-way delay: 52.588 ms

Loss rate: 0.08%

-- Flow 1:

Average throughput: 65.46 Mbit/s

95th percentile per-packet one-way delay: 48.904 ms

Loss rate: 0.04%

-- Flow 2:

Average throughput: 28.40 Mbit/s

95th percentile per-packet one-way delay: 55.111 ms

Loss rate: 0.29%

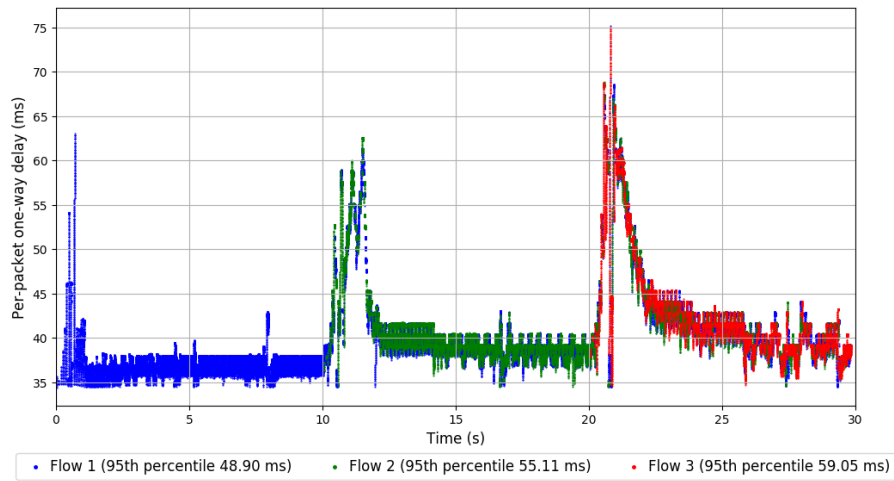
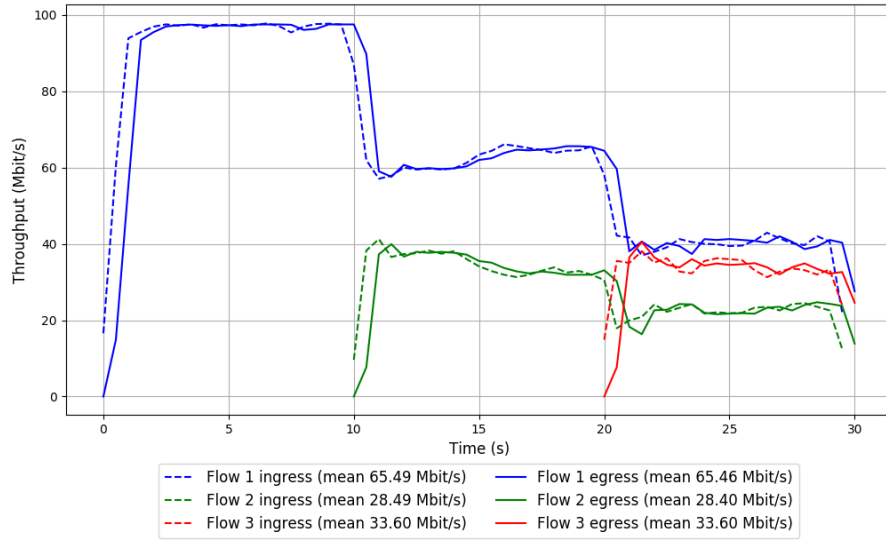
-- Flow 3:

Average throughput: 33.60 Mbit/s

95th percentile per-packet one-way delay: 59.051 ms

Loss rate: 0.01%

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



Run 1: Statistics of Indigo-MusesC3

Start at: 2019-09-18 09:36:31

End at: 2019-09-18 09:37:01

Local clock offset: 3.233 ms

Remote clock offset: 8.507 ms

# Below is generated by plot.py at 2019-09-18 12:18:46

# Datalink statistics

-- Total of 3 flows:

Average throughput: 95.69 Mbit/s

95th percentile per-packet one-way delay: 52.182 ms

Loss rate: 0.45%

-- Flow 1:

Average throughput: 54.31 Mbit/s

95th percentile per-packet one-way delay: 48.819 ms

Loss rate: 0.24%

-- Flow 2:

Average throughput: 48.72 Mbit/s

95th percentile per-packet one-way delay: 52.593 ms

Loss rate: 0.27%

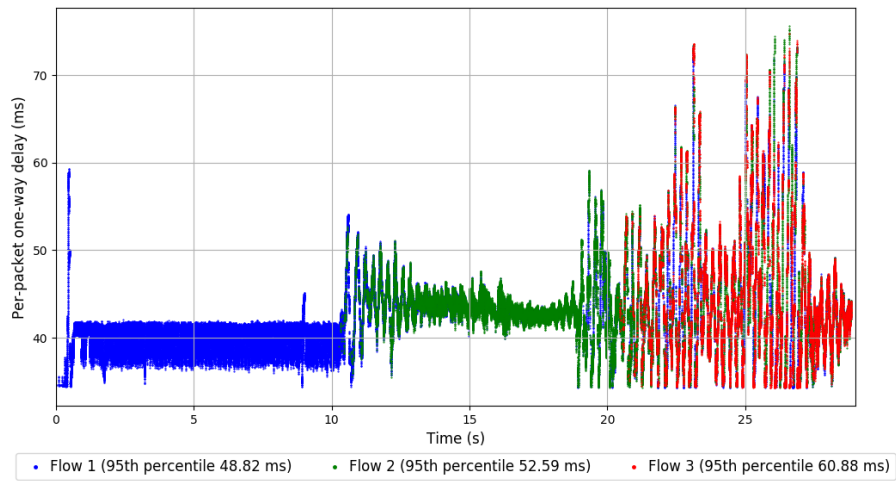
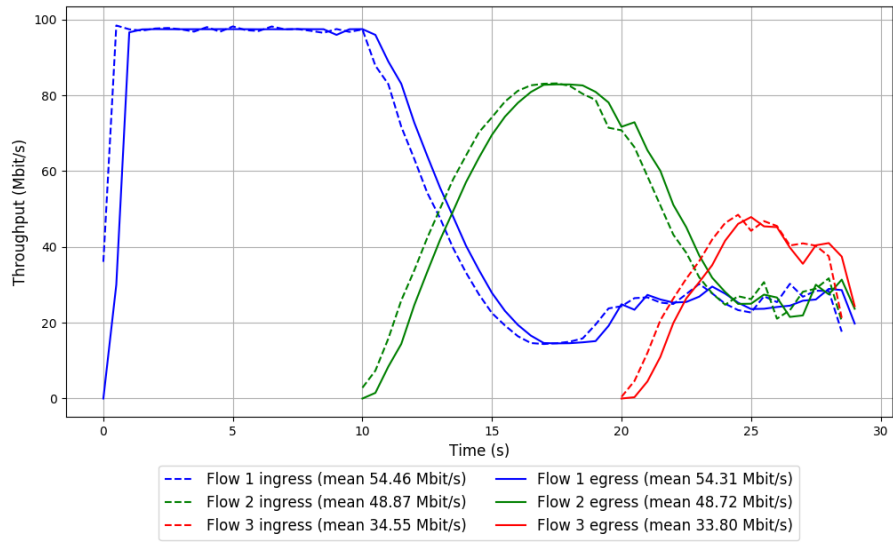
-- Flow 3:

Average throughput: 33.80 Mbit/s

95th percentile per-packet one-way delay: 60.876 ms

Loss rate: 2.20%

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



Run 2: Statistics of Indigo-MusesC3

Start at: 2019-09-18 10:13:17

End at: 2019-09-18 10:13:47

Local clock offset: -2.334 ms

Remote clock offset: 9.583 ms

# Below is generated by plot.py at 2019-09-18 12:19:01

# Datalink statistics

-- Total of 3 flows:

Average throughput: 95.53 Mbit/s

95th percentile per-packet one-way delay: 52.705 ms

Loss rate: 0.40%

-- Flow 1:

Average throughput: 55.23 Mbit/s

95th percentile per-packet one-way delay: 49.418 ms

Loss rate: 0.13%

-- Flow 2:

Average throughput: 49.47 Mbit/s

95th percentile per-packet one-way delay: 53.405 ms

Loss rate: 0.36%

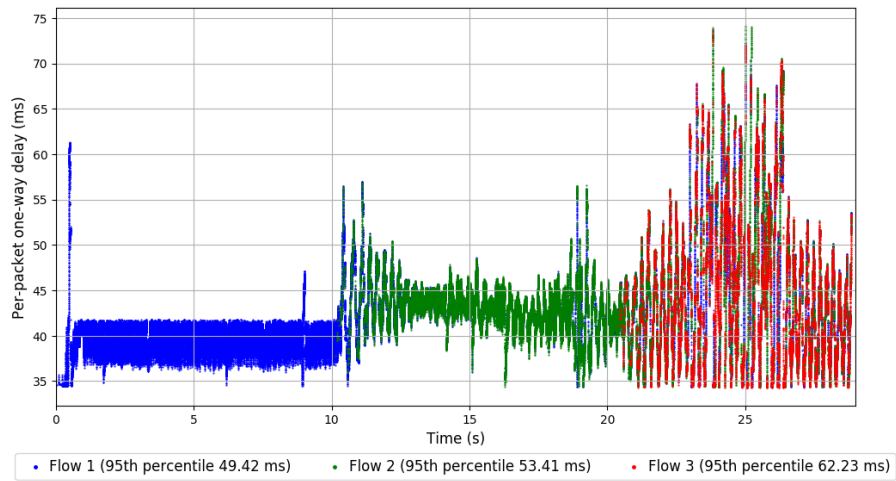
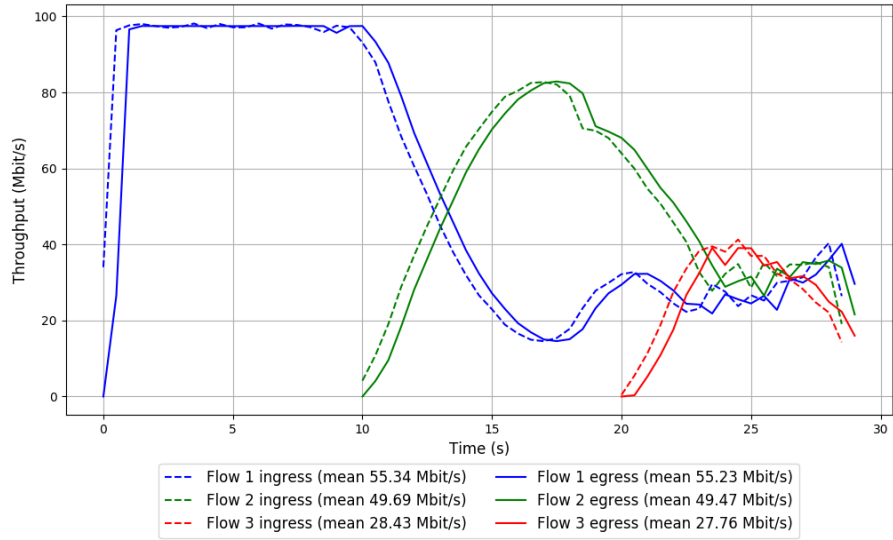
-- Flow 3:

Average throughput: 27.76 Mbit/s

95th percentile per-packet one-way delay: 62.230 ms

Loss rate: 2.24%

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





Run 3: Statistics of Indigo-MusesC3

Start at: 2019-09-18 10:50:50

End at: 2019-09-18 10:51:20

Local clock offset: -3.191 ms

Remote clock offset: 7.824 ms

# Below is generated by plot.py at 2019-09-18 12:19:08

# Datalink statistics

-- Total of 3 flows:

Average throughput: 96.39 Mbit/s

95th percentile per-packet one-way delay: 47.266 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 50.39 Mbit/s

95th percentile per-packet one-way delay: 45.700 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 52.76 Mbit/s

95th percentile per-packet one-way delay: 49.192 ms

Loss rate: 0.00%

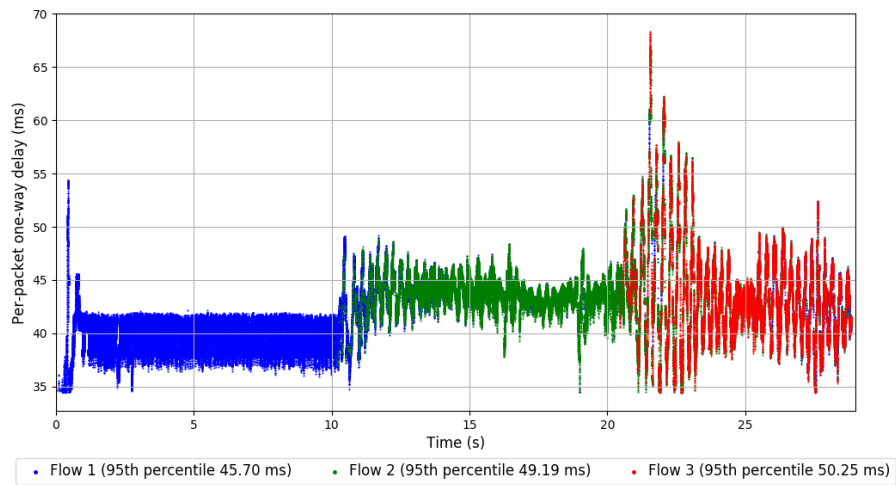
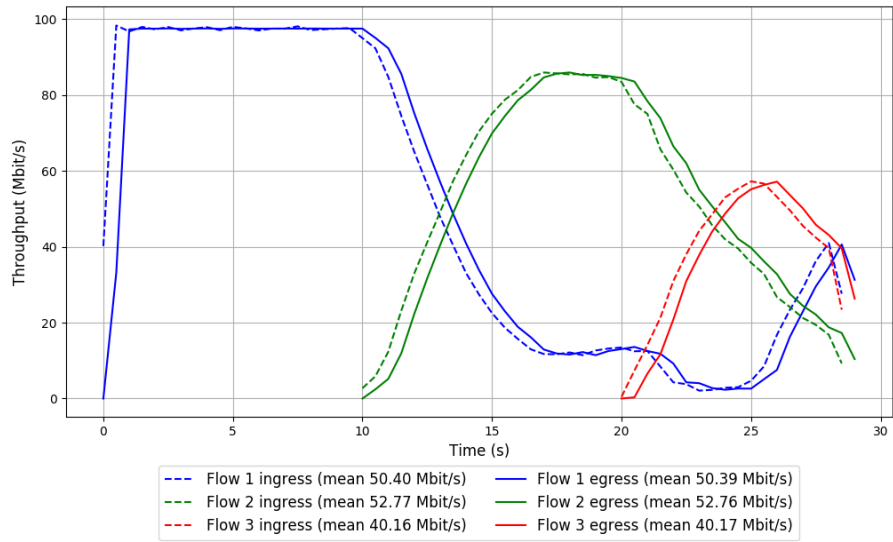
-- Flow 3:

Average throughput: 40.17 Mbit/s

95th percentile per-packet one-way delay: 50.249 ms

Loss rate: 0.00%

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



Run 4: Statistics of Indigo-MusesC3

Start at: 2019-09-18 11:25:57

End at: 2019-09-18 11:26:27

Local clock offset: 0.914 ms

Remote clock offset: 9.125 ms

# Below is generated by plot.py at 2019-09-18 12:19:13

# Datalink statistics

-- Total of 3 flows:

Average throughput: 95.76 Mbit/s

95th percentile per-packet one-way delay: 51.669 ms

Loss rate: 0.36%

-- Flow 1:

Average throughput: 55.32 Mbit/s

95th percentile per-packet one-way delay: 48.282 ms

Loss rate: 0.27%

-- Flow 2:

Average throughput: 47.25 Mbit/s

95th percentile per-packet one-way delay: 52.050 ms

Loss rate: 0.20%

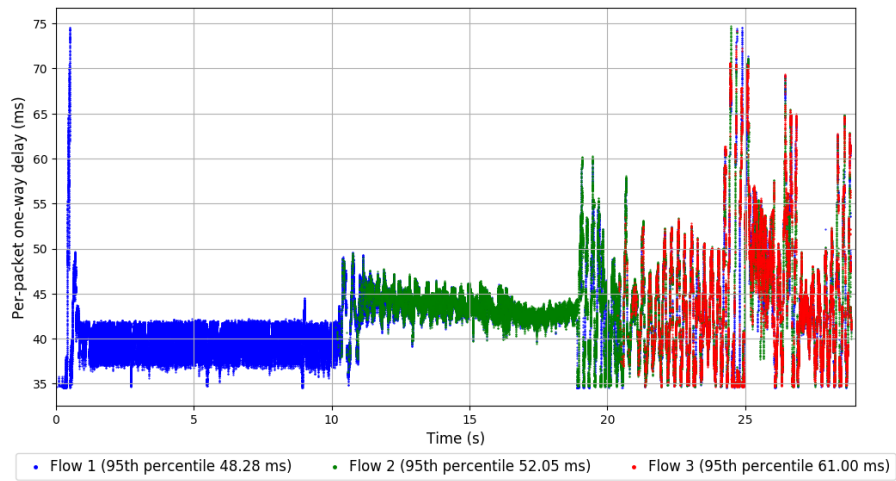
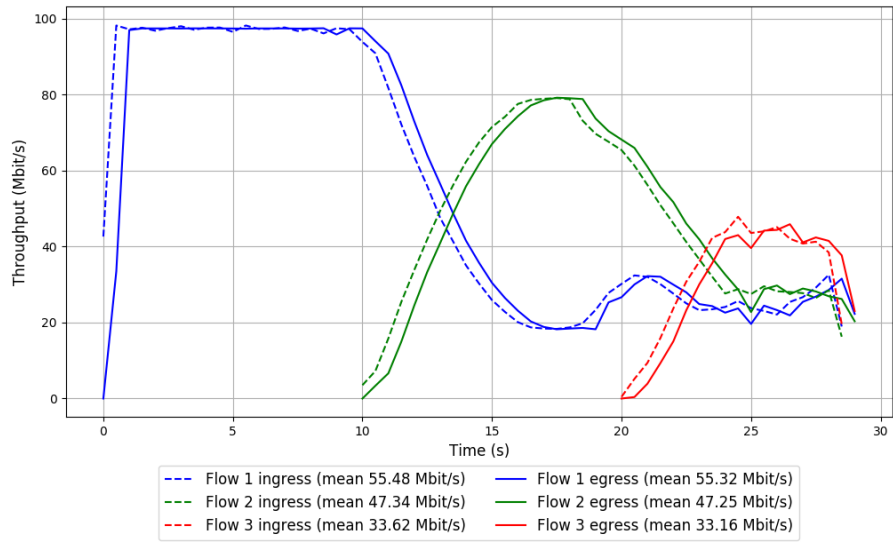
-- Flow 3:

Average throughput: 33.16 Mbit/s

95th percentile per-packet one-way delay: 60.998 ms

Loss rate: 1.38%

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



Run 5: Statistics of Indigo-MusesC3

Start at: 2019-09-18 12:03:19

End at: 2019-09-18 12:03:49

Local clock offset: -0.136 ms

Remote clock offset: 8.374 ms

# Below is generated by plot.py at 2019-09-18 12:19:14

# Datalink statistics

-- Total of 3 flows:

Average throughput: 95.58 Mbit/s

95th percentile per-packet one-way delay: 52.785 ms

Loss rate: 0.54%

-- Flow 1:

Average throughput: 57.64 Mbit/s

95th percentile per-packet one-way delay: 48.914 ms

Loss rate: 0.29%

-- Flow 2:

Average throughput: 43.90 Mbit/s

95th percentile per-packet one-way delay: 53.019 ms

Loss rate: 0.48%

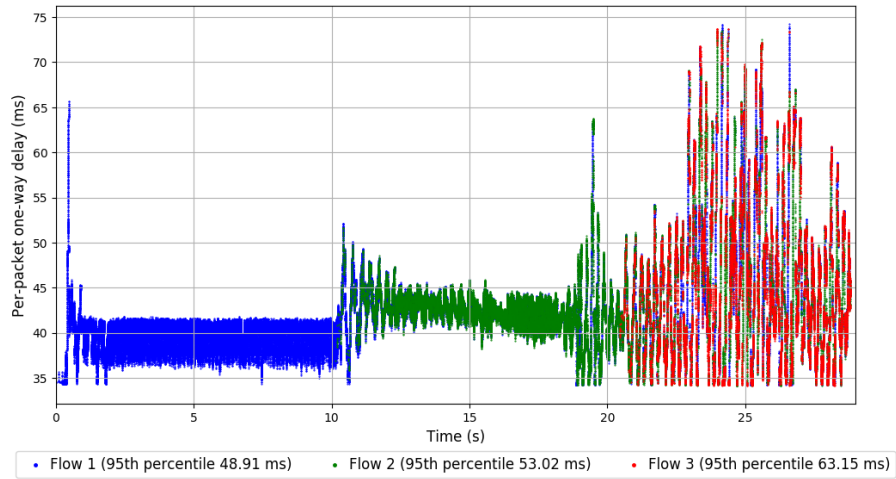
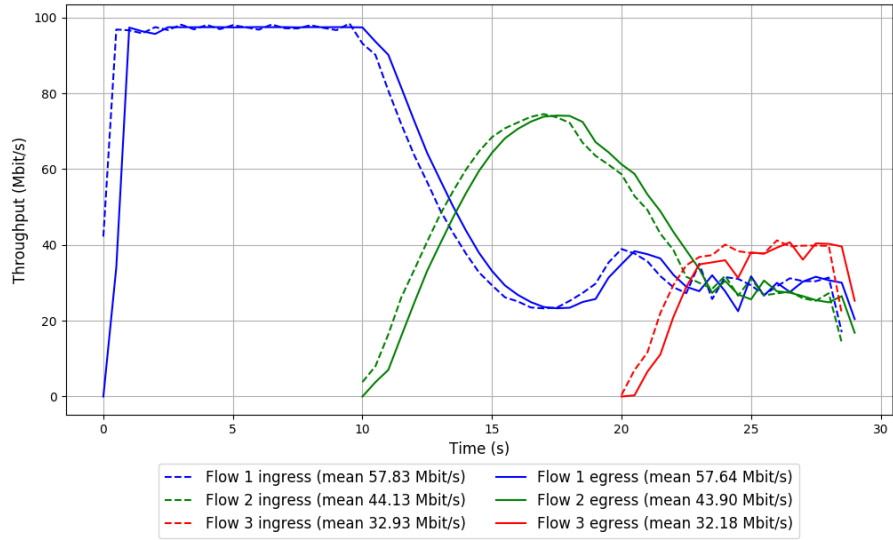
-- Flow 3:

Average throughput: 32.18 Mbit/s

95th percentile per-packet one-way delay: 63.153 ms

Loss rate: 2.29%

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



Run 1: Statistics of Indigo-MusesC5

Start at: 2019-09-18 09:24:55

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

Local clock offset: 4.798 ms

Remote clock offset: 8.131 ms

# Below is generated by plot.py at 2019-09-18 12:19:16

# Datalink statistics

-- Total of 3 flows:

Average throughput: 90.66 Mbit/s

95th percentile per-packet one-way delay: 69.009 ms

Loss rate: 18.73%

-- Flow 1:

Average throughput: 63.38 Mbit/s

95th percentile per-packet one-way delay: 66.910 ms

Loss rate: 13.97%

-- Flow 2:

Average throughput: 40.77 Mbit/s

95th percentile per-packet one-way delay: 70.949 ms

Loss rate: 27.93%

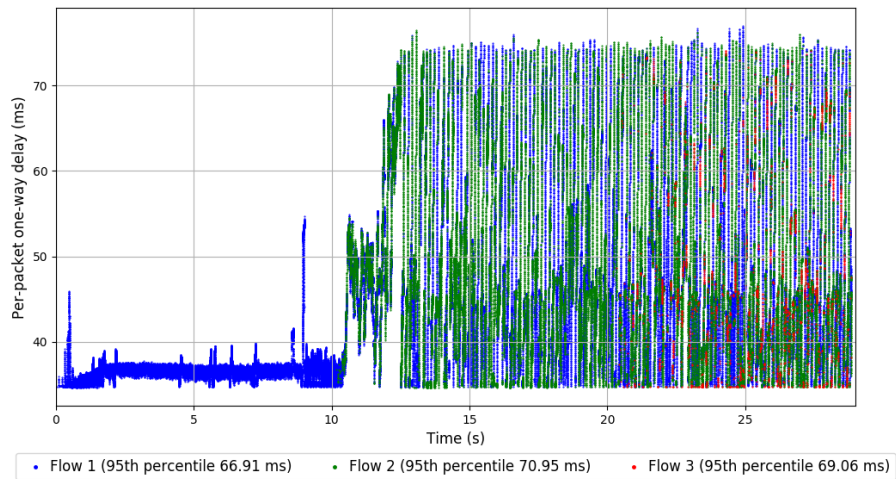
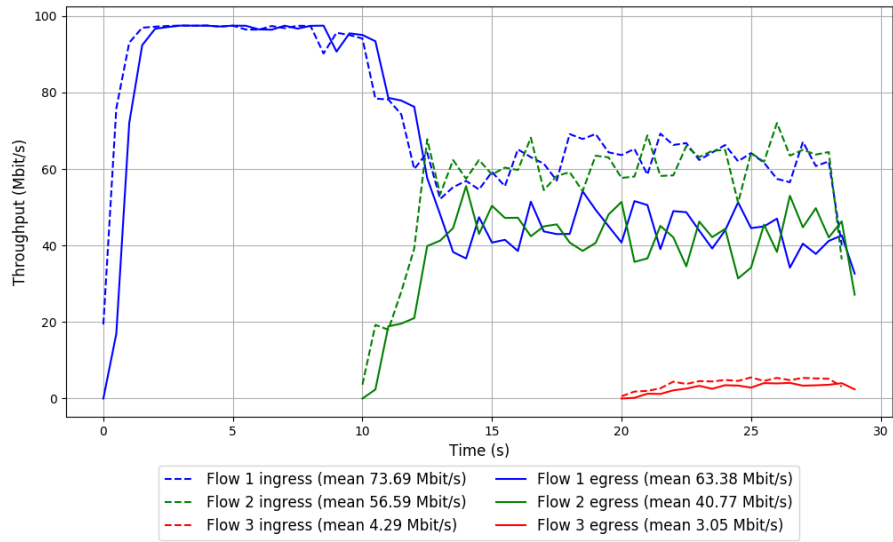
-- Flow 3:

Average throughput: 3.05 Mbit/s

95th percentile per-packet one-way delay: 69.059 ms

Loss rate: 29.00%

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





Run 2: Statistics of Indigo-MusesC5

Start at: 2019-09-18 10:01:08

End at: 2019-09-18 10:01:38

Local clock offset: 0.822 ms

Remote clock offset: 9.33 ms

# Below is generated by plot.py at 2019-09-18 12:19:23

# Datalink statistics

-- Total of 3 flows:

Average throughput: 92.13 Mbit/s

95th percentile per-packet one-way delay: 65.587 ms

Loss rate: 12.27%

-- Flow 1:

Average throughput: 53.44 Mbit/s

95th percentile per-packet one-way delay: 61.272 ms

Loss rate: 6.68%

-- Flow 2:

Average throughput: 45.59 Mbit/s

95th percentile per-packet one-way delay: 67.661 ms

Loss rate: 17.18%

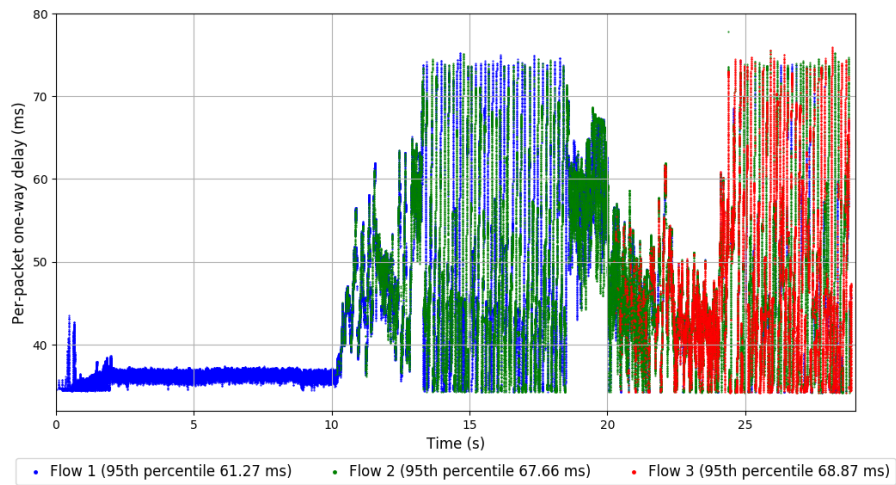
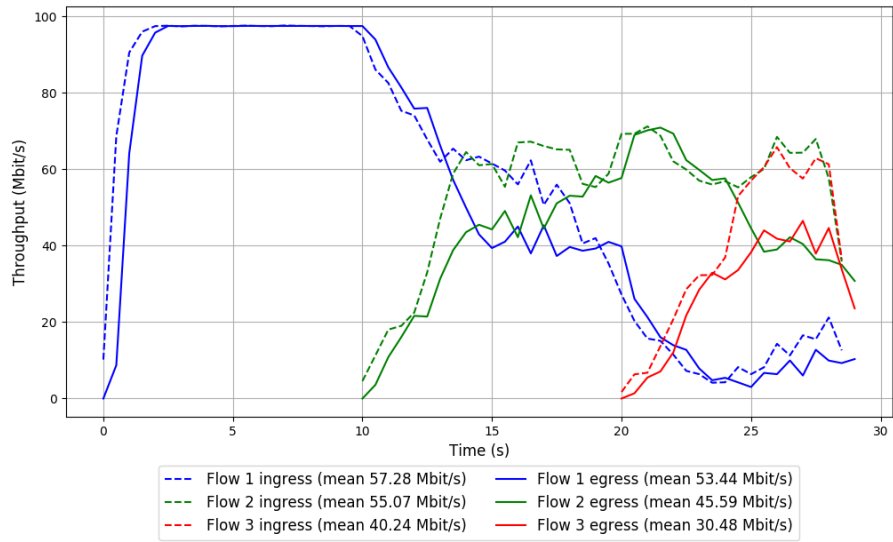
-- Flow 3:

Average throughput: 30.48 Mbit/s

95th percentile per-packet one-way delay: 68.871 ms

Loss rate: 24.28%

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



Run 3: Statistics of Indigo-MusesC5

Start at: 2019-09-18 10:39:06

End at: 2019-09-18 10:39:36

Local clock offset: -3.248 ms

Remote clock offset: 8.191 ms

# Below is generated by plot.py at 2019-09-18 12:19:52

# Datalink statistics

-- Total of 3 flows:

Average throughput: 91.33 Mbit/s

95th percentile per-packet one-way delay: 67.461 ms

Loss rate: 15.68%

-- Flow 1:

Average throughput: 58.56 Mbit/s

95th percentile per-packet one-way delay: 65.432 ms

Loss rate: 11.37%

-- Flow 2:

Average throughput: 48.25 Mbit/s

95th percentile per-packet one-way delay: 69.359 ms

Loss rate: 22.17%

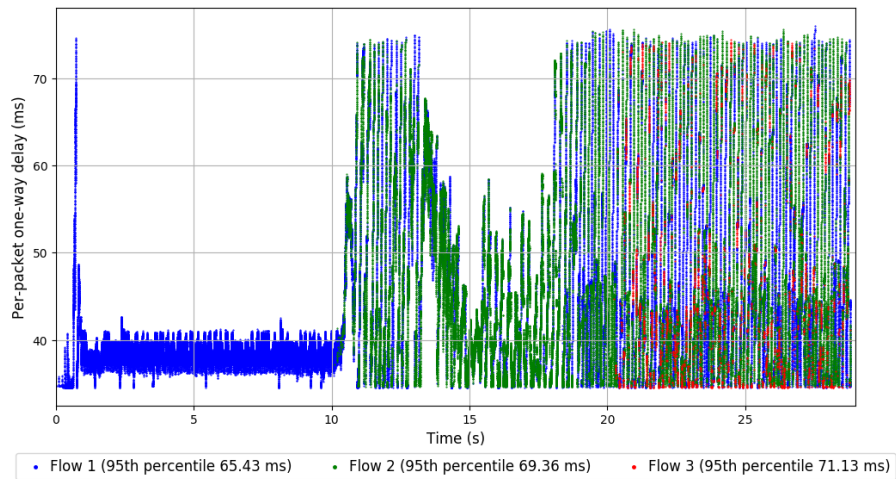
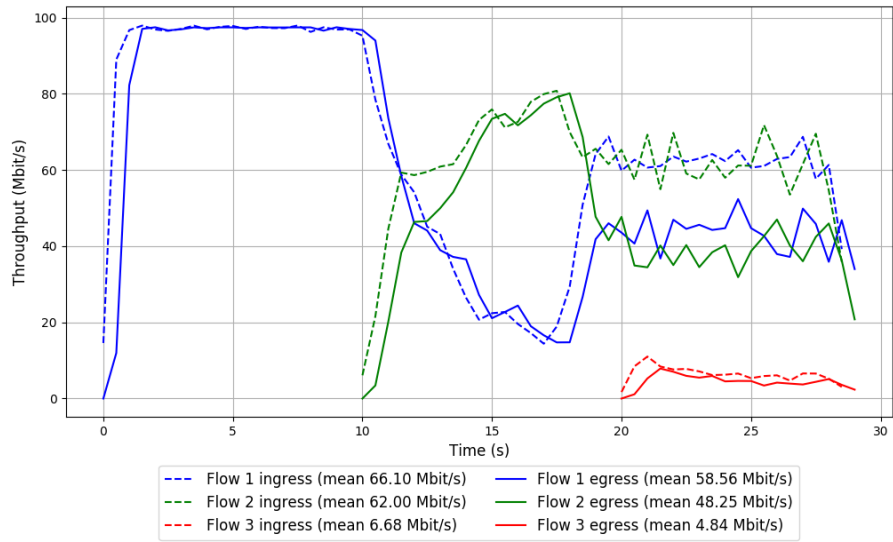
-- Flow 3:

Average throughput: 4.84 Mbit/s

95th percentile per-packet one-way delay: 71.133 ms

Loss rate: 27.53%

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



Run 4: Statistics of Indigo-MusesC5

Start at: 2019-09-18 11:14:10

End at: 2019-09-18 11:14:40

Local clock offset: -0.059 ms

Remote clock offset: 8.959 ms

# Below is generated by plot.py at 2019-09-18 12:19:53

# Datalink statistics

-- Total of 3 flows:

Average throughput: 91.66 Mbit/s

95th percentile per-packet one-way delay: 67.877 ms

Loss rate: 13.18%

-- Flow 1:

Average throughput: 57.61 Mbit/s

95th percentile per-packet one-way delay: 66.493 ms

Loss rate: 10.45%

-- Flow 2:

Average throughput: 51.46 Mbit/s

95th percentile per-packet one-way delay: 69.136 ms

Loss rate: 17.13%

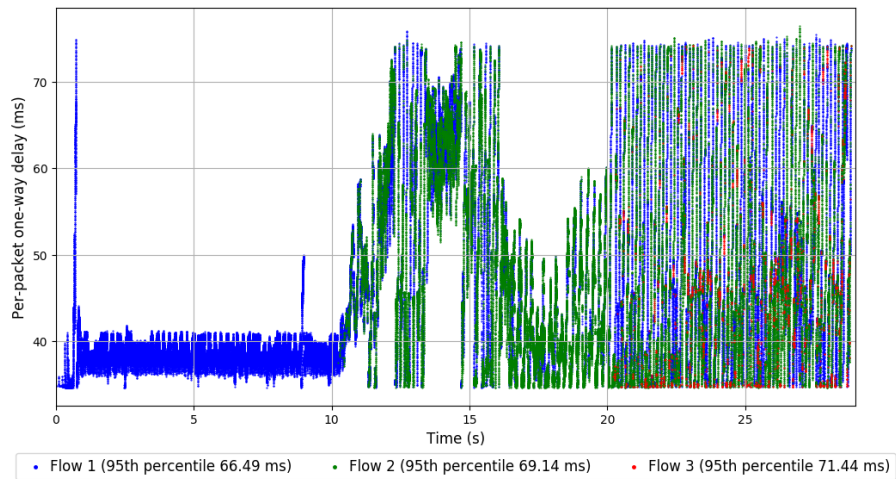
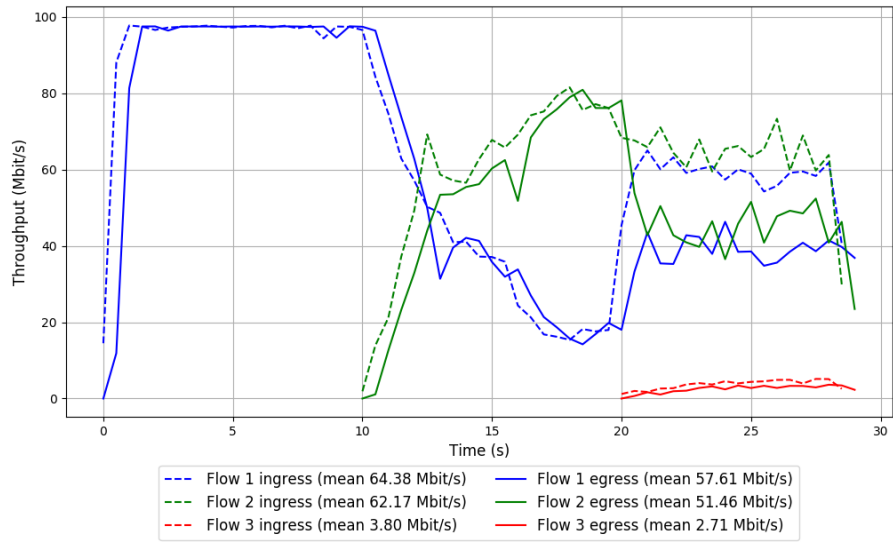
-- Flow 3:

Average throughput: 2.71 Mbit/s

95th percentile per-packet one-way delay: 71.442 ms

Loss rate: 28.48%

### Run 4: Report of Indigo-MusesC5 — Data Link



Run 5: Statistics of Indigo-MusesC5

Start at: 2019-09-18 11:51:59

End at: 2019-09-18 11:52:29

Local clock offset: 0.69 ms

Remote clock offset: 8.399 ms

# Below is generated by plot.py at 2019-09-18 12:20:07

# Datalink statistics

-- Total of 3 flows:

Average throughput: 91.71 Mbit/s

95th percentile per-packet one-way delay: 68.880 ms

Loss rate: 16.25%

-- Flow 1:

Average throughput: 62.38 Mbit/s

95th percentile per-packet one-way delay: 67.080 ms

Loss rate: 12.05%

-- Flow 2:

Average throughput: 43.78 Mbit/s

95th percentile per-packet one-way delay: 70.556 ms

Loss rate: 23.76%

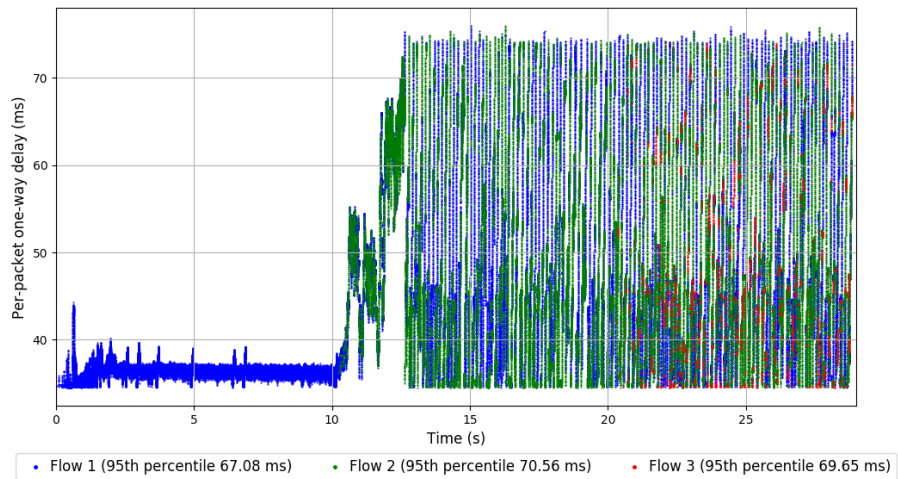
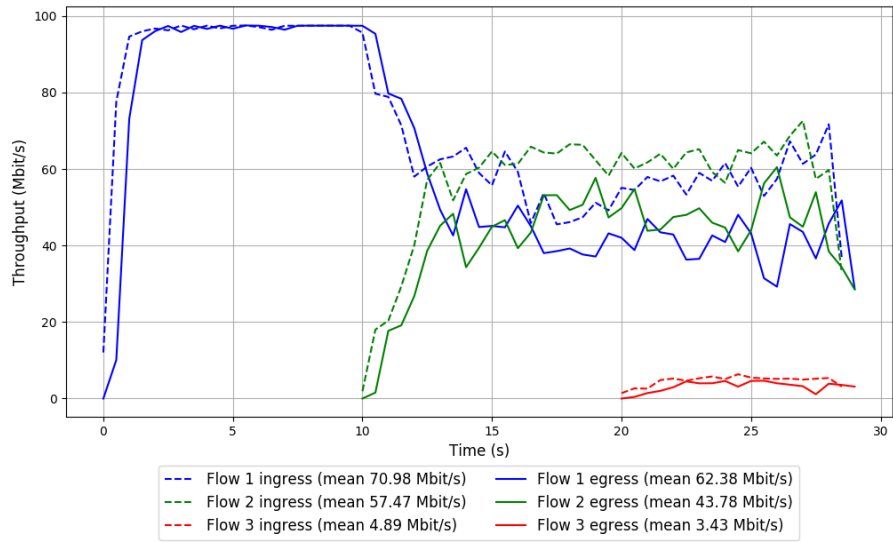
-- Flow 3:

Average throughput: 3.43 Mbit/s

95th percentile per-packet one-way delay: 69.654 ms

Loss rate: 29.74%

Run 5: Report of Indigo-MusesC5 — Data Link





Run 1: Statistics of Indigo-MusesD

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

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

Local clock offset: 4.476 ms

Remote clock offset: 8.021 ms

# Below is generated by plot.py at 2019-09-18 12:20:14

# Datalink statistics

-- Total of 3 flows:

Average throughput: 95.10 Mbit/s

95th percentile per-packet one-way delay: 40.350 ms

Loss rate: 0.01%

-- Flow 1:

Average throughput: 55.86 Mbit/s

95th percentile per-packet one-way delay: 39.865 ms

Loss rate: 0.01%

-- Flow 2:

Average throughput: 46.17 Mbit/s

95th percentile per-packet one-way delay: 40.752 ms

Loss rate: 0.00%

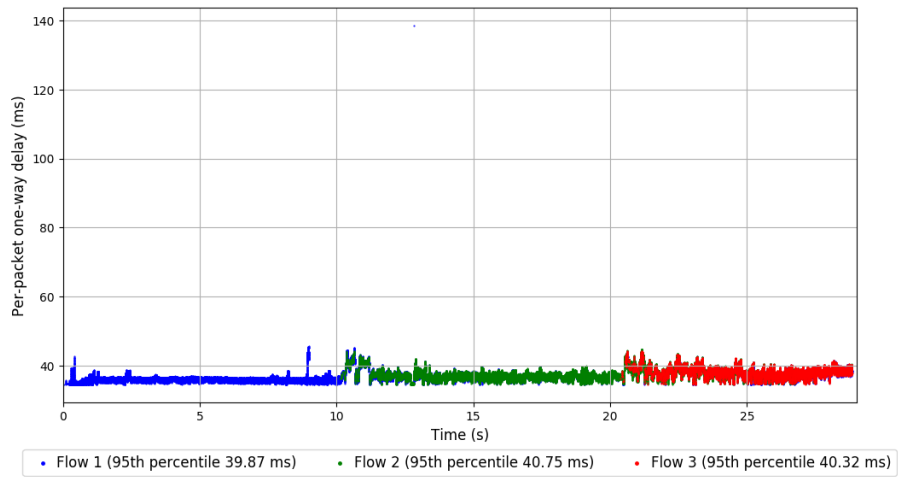
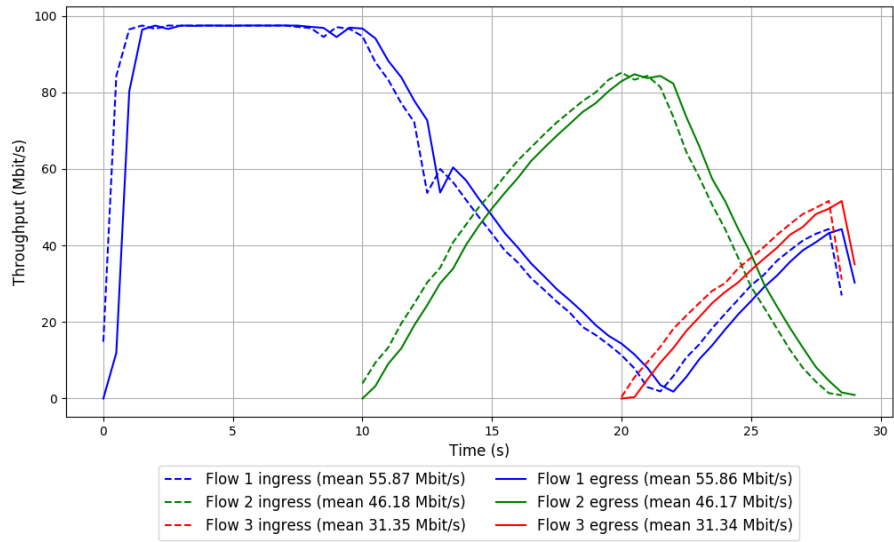
-- Flow 3:

Average throughput: 31.34 Mbit/s

95th percentile per-packet one-way delay: 40.322 ms

Loss rate: 0.00%

Run 1: Report of Indigo-MusesD — Data Link



Run 2: Statistics of Indigo-MusesD

Start at: 2019-09-18 09:59:33

End at: 2019-09-18 10:00:03

Local clock offset: 1.106 ms

Remote clock offset: 9.383 ms

# Below is generated by plot.py at 2019-09-18 12:20:18

# Datalink statistics

-- Total of 3 flows:

Average throughput: 95.34 Mbit/s

95th percentile per-packet one-way delay: 41.900 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 56.93 Mbit/s

95th percentile per-packet one-way delay: 41.405 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 43.72 Mbit/s

95th percentile per-packet one-way delay: 42.087 ms

Loss rate: 0.00%

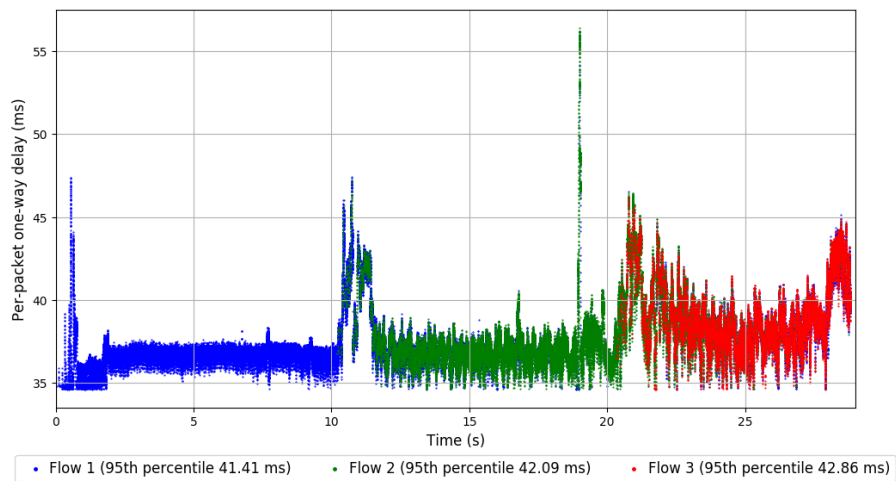
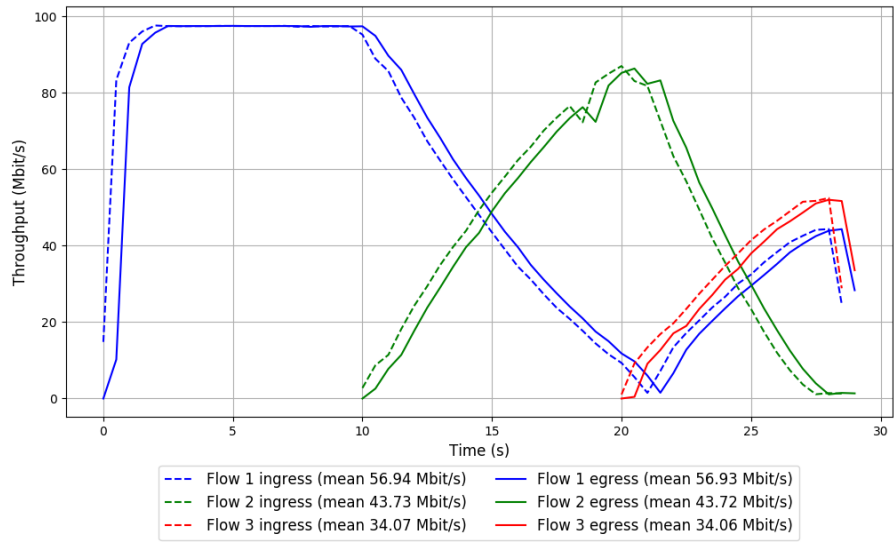
-- Flow 3:

Average throughput: 34.06 Mbit/s

95th percentile per-packet one-way delay: 42.863 ms

Loss rate: 0.00%

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



Run 3: Statistics of Indigo-MusesD

Start at: 2019-09-18 10:37:15

End at: 2019-09-18 10:37:45

Local clock offset: -3.316 ms

Remote clock offset: 8.203 ms

# Below is generated by plot.py at 2019-09-18 12:20:20

# Datalink statistics

-- Total of 3 flows:

Average throughput: 95.90 Mbit/s

95th percentile per-packet one-way delay: 41.530 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 57.64 Mbit/s

95th percentile per-packet one-way delay: 41.364 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 45.74 Mbit/s

95th percentile per-packet one-way delay: 40.728 ms

Loss rate: 0.00%

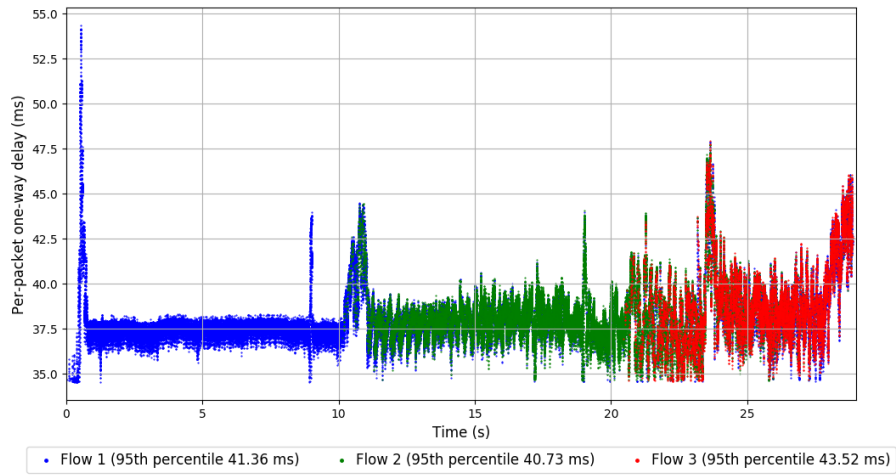
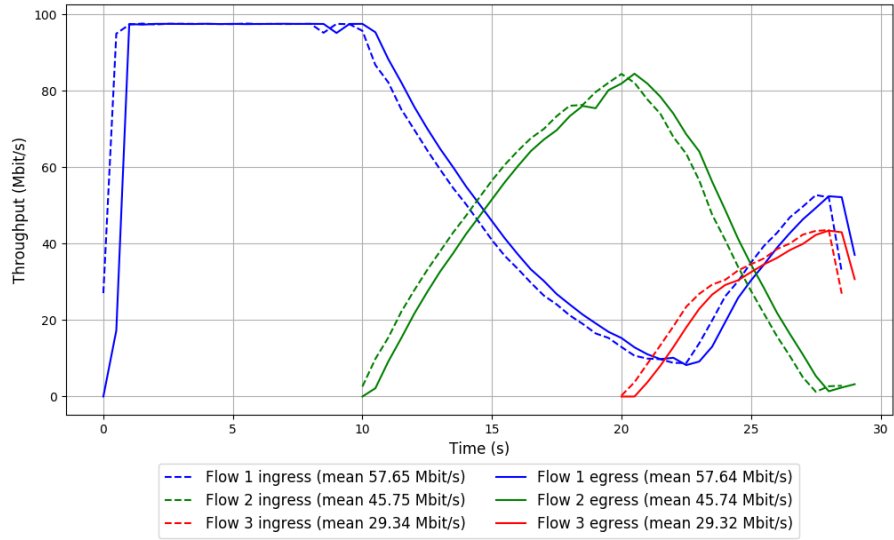
-- Flow 3:

Average throughput: 29.32 Mbit/s

95th percentile per-packet one-way delay: 43.516 ms

Loss rate: 0.00%

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



Run 4: Statistics of Indigo-MusesD

Start at: 2019-09-18 11:12:42

End at: 2019-09-18 11:13:12

Local clock offset: -0.214 ms

Remote clock offset: 8.847 ms

# Below is generated by plot.py at 2019-09-18 12:20:22

# Datalink statistics

-- Total of 3 flows:

Average throughput: 95.70 Mbit/s

95th percentile per-packet one-way delay: 40.586 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 53.83 Mbit/s

95th percentile per-packet one-way delay: 40.436 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 48.64 Mbit/s

95th percentile per-packet one-way delay: 40.200 ms

Loss rate: 0.00%

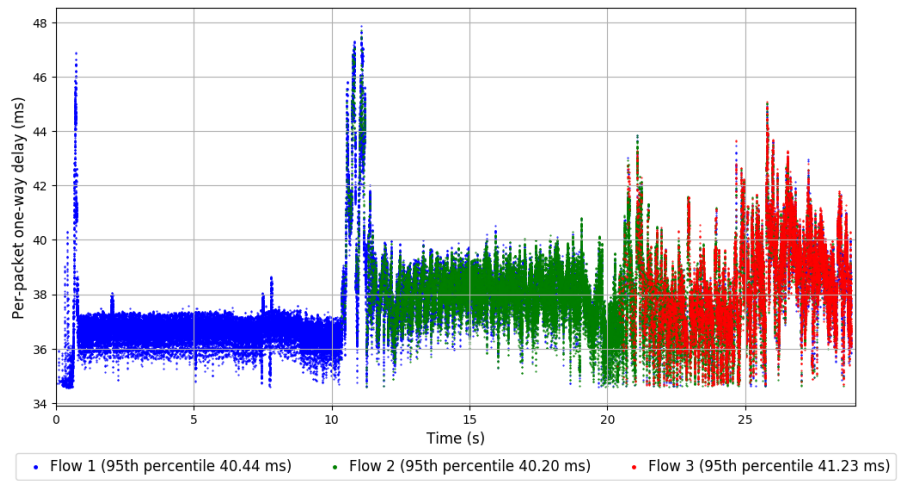
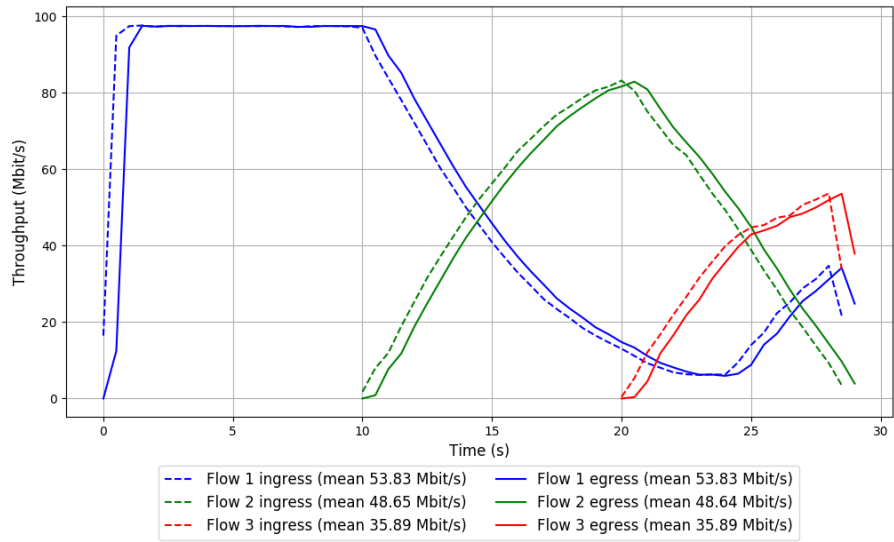
-- Flow 3:

Average throughput: 35.89 Mbit/s

95th percentile per-packet one-way delay: 41.226 ms

Loss rate: 0.00%

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





Run 5: Statistics of Indigo-MusesD

Start at: 2019-09-18 11:50:22

End at: 2019-09-18 11:50:52

Local clock offset: 0.679 ms

Remote clock offset: 8.44 ms

# Below is generated by plot.py at 2019-09-18 12:20:29

# Datalink statistics

-- Total of 3 flows:

Average throughput: 95.46 Mbit/s

95th percentile per-packet one-way delay: 40.414 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 56.82 Mbit/s

95th percentile per-packet one-way delay: 40.053 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 45.07 Mbit/s

95th percentile per-packet one-way delay: 40.484 ms

Loss rate: 0.00%

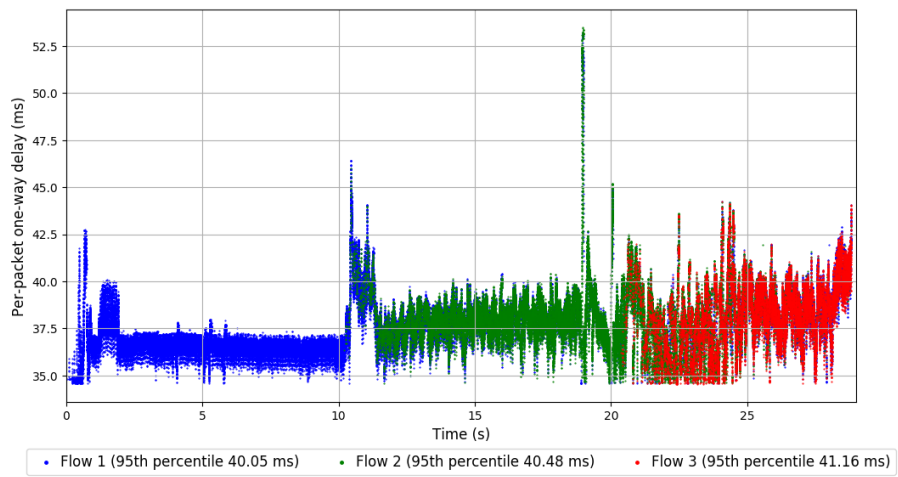
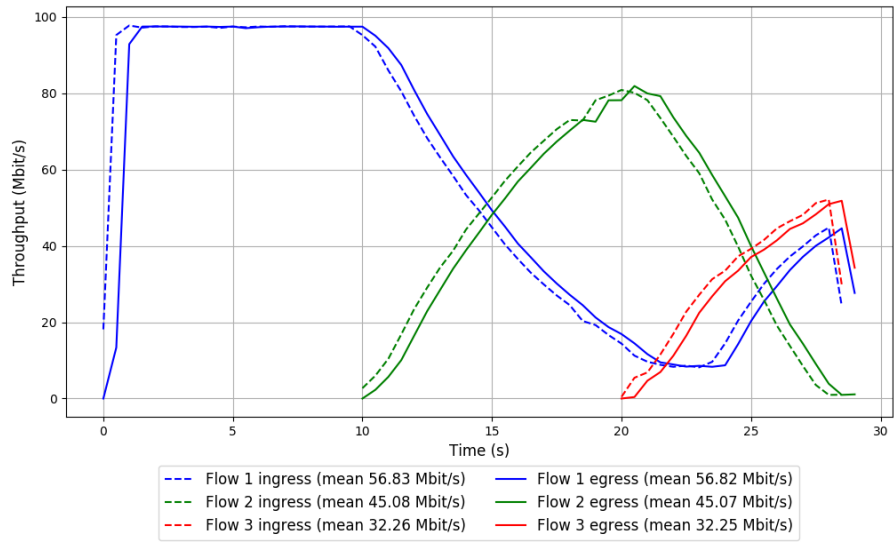
-- Flow 3:

Average throughput: 32.25 Mbit/s

95th percentile per-packet one-way delay: 41.160 ms

Loss rate: 0.00%

Run 5: Report of Indigo-MusesD — Data Link



Run 1: Statistics of Indigo-MuseST

Start at: 2019-09-18 09:19:57

End at: 2019-09-18 09:20:27

Local clock offset: 3.547 ms

Remote clock offset: 7.925 ms

# Below is generated by plot.py at 2019-09-18 12:21:02

# Datalink statistics

-- Total of 3 flows:

Average throughput: 94.15 Mbit/s

95th percentile per-packet one-way delay: 63.416 ms

Loss rate: 11.38%

-- Flow 1:

Average throughput: 51.85 Mbit/s

95th percentile per-packet one-way delay: 58.713 ms

Loss rate: 7.46%

-- Flow 2:

Average throughput: 59.36 Mbit/s

95th percentile per-packet one-way delay: 65.857 ms

Loss rate: 14.07%

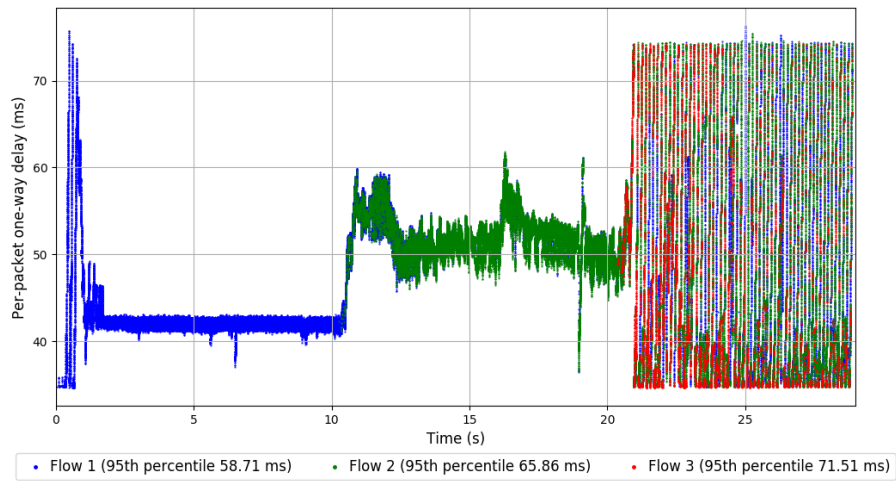
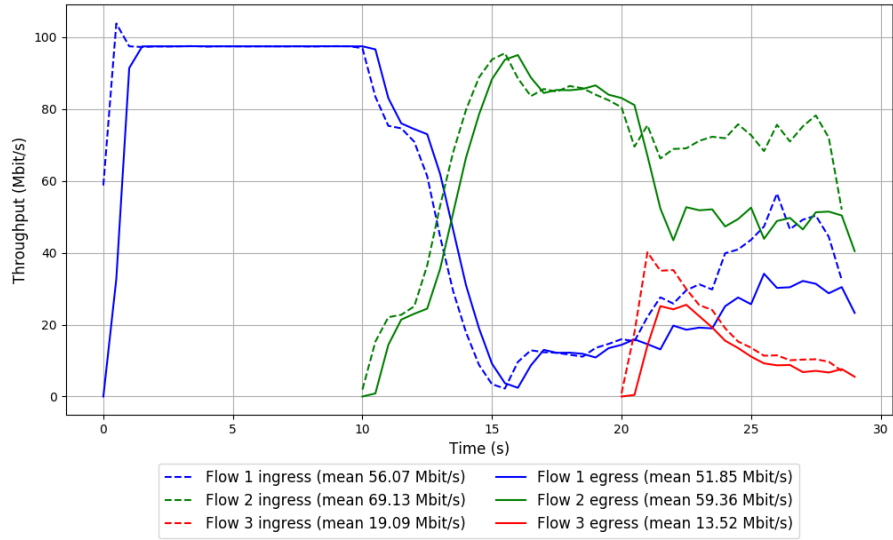
-- Flow 3:

Average throughput: 13.52 Mbit/s

95th percentile per-packet one-way delay: 71.508 ms

Loss rate: 29.09%

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



Run 2: Statistics of Indigo-MuseST

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

End at: 2019-09-18 09:56:48

Local clock offset: 1.123 ms

Remote clock offset: 9.173 ms

# Below is generated by plot.py at 2019-09-18 12:21:03

# Datalink statistics

-- Total of 3 flows:

Average throughput: 94.31 Mbit/s

95th percentile per-packet one-way delay: 63.738 ms

Loss rate: 10.98%

-- Flow 1:

Average throughput: 52.63 Mbit/s

95th percentile per-packet one-way delay: 59.633 ms

Loss rate: 7.97%

-- Flow 2:

Average throughput: 61.03 Mbit/s

95th percentile per-packet one-way delay: 66.402 ms

Loss rate: 13.52%

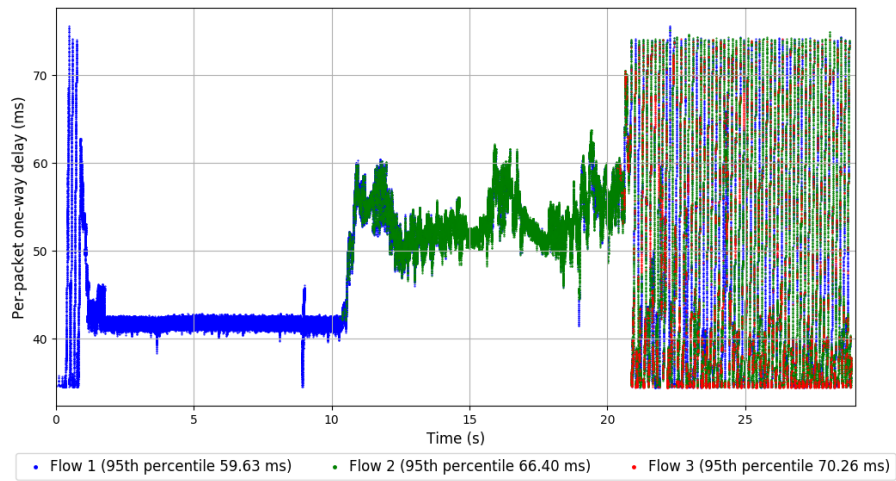
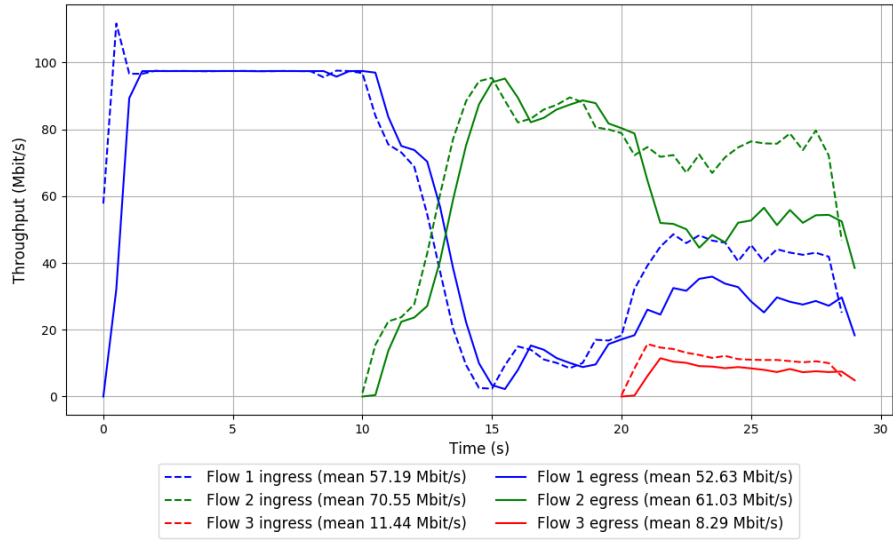
-- Flow 3:

Average throughput: 8.29 Mbit/s

95th percentile per-packet one-way delay: 70.258 ms

Loss rate: 27.76%

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



Run 3: Statistics of Indigo-MuseST

Start at: 2019-09-18 10:33:46

End at: 2019-09-18 10:34:16

Local clock offset: -3.464 ms

Remote clock offset: 8.473 ms

# Below is generated by plot.py at 2019-09-18 12:21:17

# Datalink statistics

-- Total of 3 flows:

Average throughput: 94.14 Mbit/s

95th percentile per-packet one-way delay: 63.461 ms

Loss rate: 10.97%

-- Flow 1:

Average throughput: 45.39 Mbit/s

95th percentile per-packet one-way delay: 56.932 ms

Loss rate: 5.22%

-- Flow 2:

Average throughput: 60.85 Mbit/s

95th percentile per-packet one-way delay: 65.181 ms

Loss rate: 12.15%

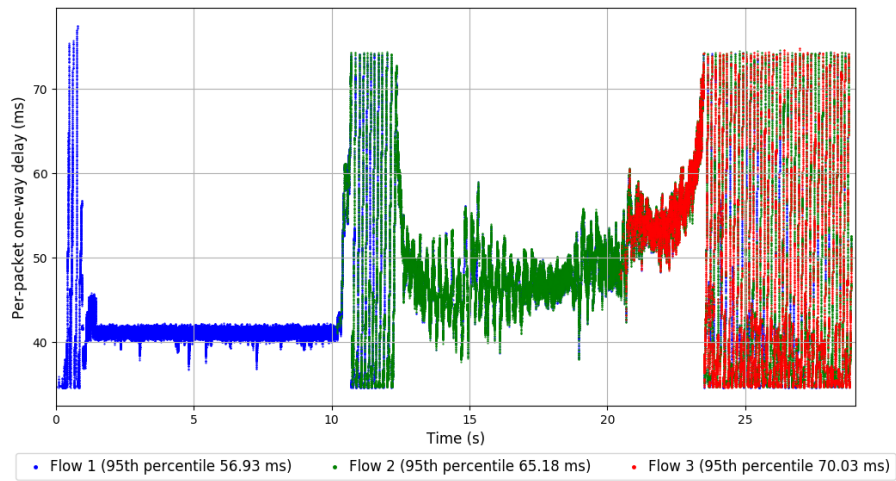
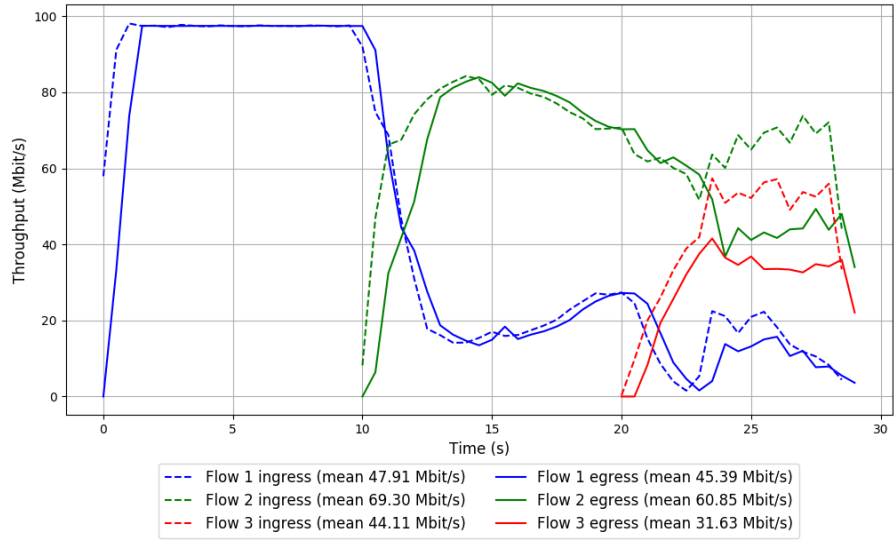
-- Flow 3:

Average throughput: 31.63 Mbit/s

95th percentile per-packet one-way delay: 70.031 ms

Loss rate: 28.27%

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





Run 4: Statistics of Indigo-MuseST

Start at: 2019-09-18 11:09:46

End at: 2019-09-18 11:10:16

Local clock offset: -0.68 ms

Remote clock offset: 8.743 ms

# Below is generated by plot.py at 2019-09-18 12:21:23

# Datalink statistics

-- Total of 3 flows:

Average throughput: 89.89 Mbit/s

95th percentile per-packet one-way delay: 69.259 ms

Loss rate: 24.75%

-- Flow 1:

Average throughput: 57.39 Mbit/s

95th percentile per-packet one-way delay: 67.269 ms

Loss rate: 19.76%

-- Flow 2:

Average throughput: 49.42 Mbit/s

95th percentile per-packet one-way delay: 71.028 ms

Loss rate: 32.27%

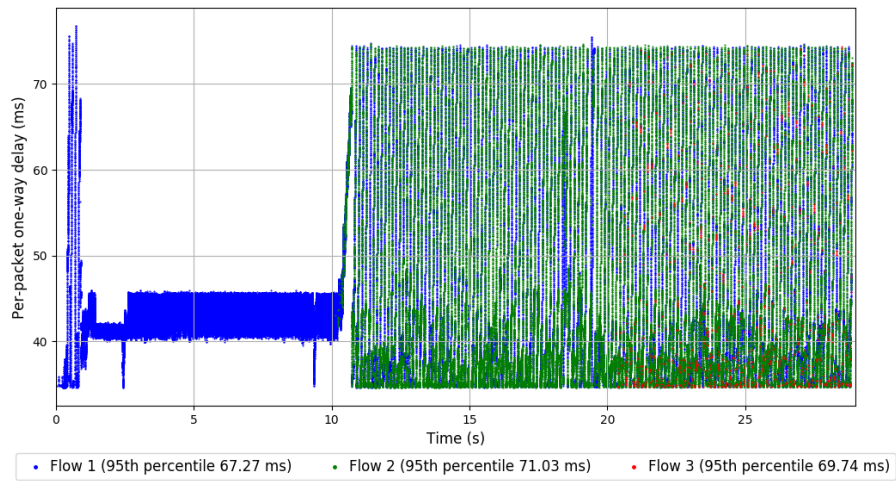
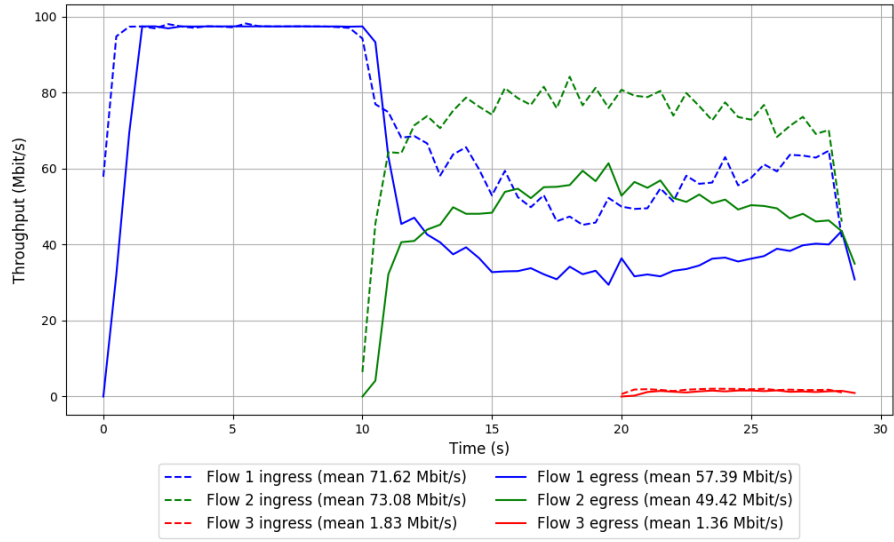
-- Flow 3:

Average throughput: 1.36 Mbit/s

95th percentile per-packet one-way delay: 69.742 ms

Loss rate: 25.54%

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



Run 5: Statistics of Indigo-MuseST

Start at: 2019-09-18 11:47:03

End at: 2019-09-18 11:47:33

Local clock offset: 0.693 ms

Remote clock offset: 8.412 ms

# Below is generated by plot.py at 2019-09-18 12:21:26

# Datalink statistics

-- Total of 3 flows:

Average throughput: 93.98 Mbit/s

95th percentile per-packet one-way delay: 64.806 ms

Loss rate: 8.90%

-- Flow 1:

Average throughput: 47.47 Mbit/s

95th percentile per-packet one-way delay: 57.594 ms

Loss rate: 6.71%

-- Flow 2:

Average throughput: 67.23 Mbit/s

95th percentile per-packet one-way delay: 66.738 ms

Loss rate: 10.22%

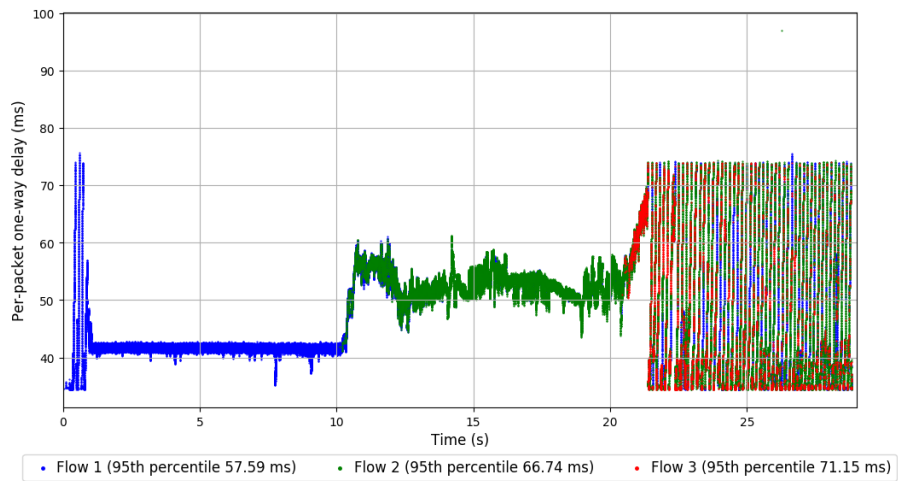
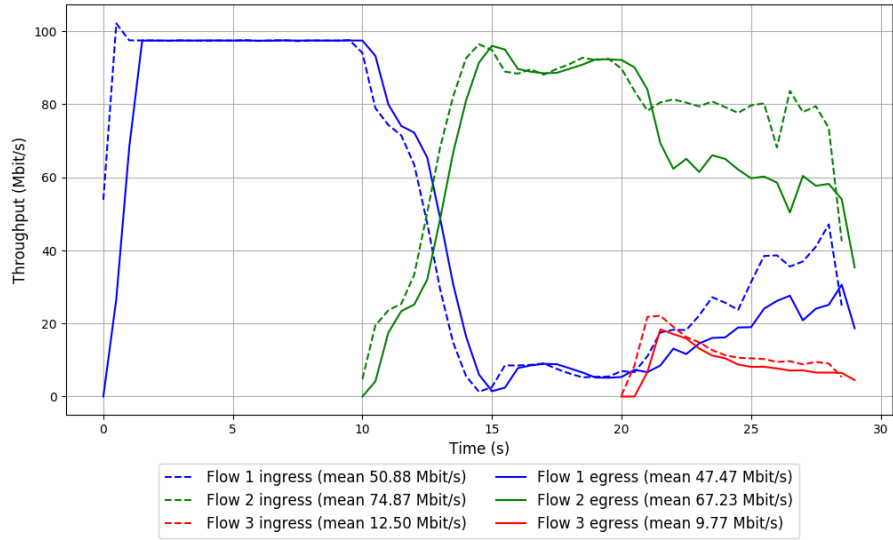
-- Flow 3:

Average throughput: 9.77 Mbit/s

95th percentile per-packet one-way delay: 71.148 ms

Loss rate: 21.93%

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



Run 1: Statistics of LEDBAT

Start at: 2019-09-18 09:18:18

End at: 2019-09-18 09:18:48

Local clock offset: 3.0 ms

Remote clock offset: 7.871 ms

# Below is generated by plot.py at 2019-09-18 12:21:26

# Datalink statistics

-- Total of 3 flows:

Average throughput: 65.85 Mbit/s

95th percentile per-packet one-way delay: 68.911 ms

Loss rate: 0.19%

-- Flow 1:

Average throughput: 39.20 Mbit/s

95th percentile per-packet one-way delay: 69.384 ms

Loss rate: 0.30%

-- Flow 2:

Average throughput: 29.76 Mbit/s

95th percentile per-packet one-way delay: 68.995 ms

Loss rate: 0.05%

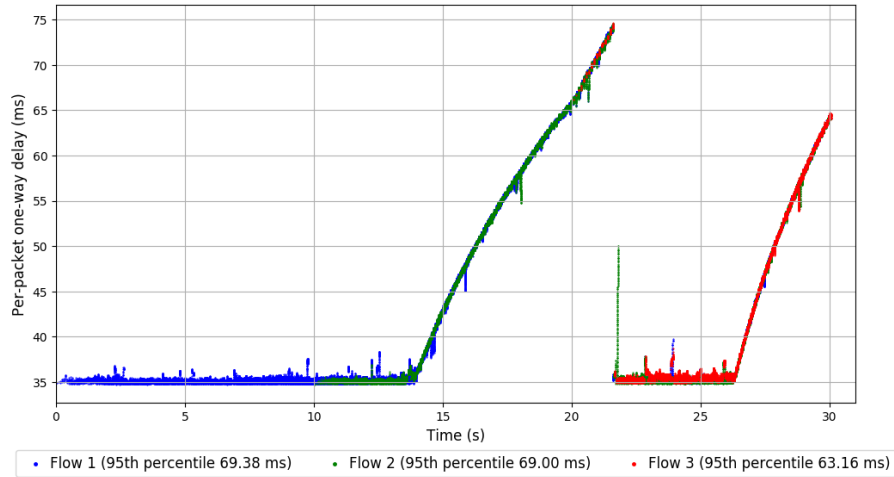
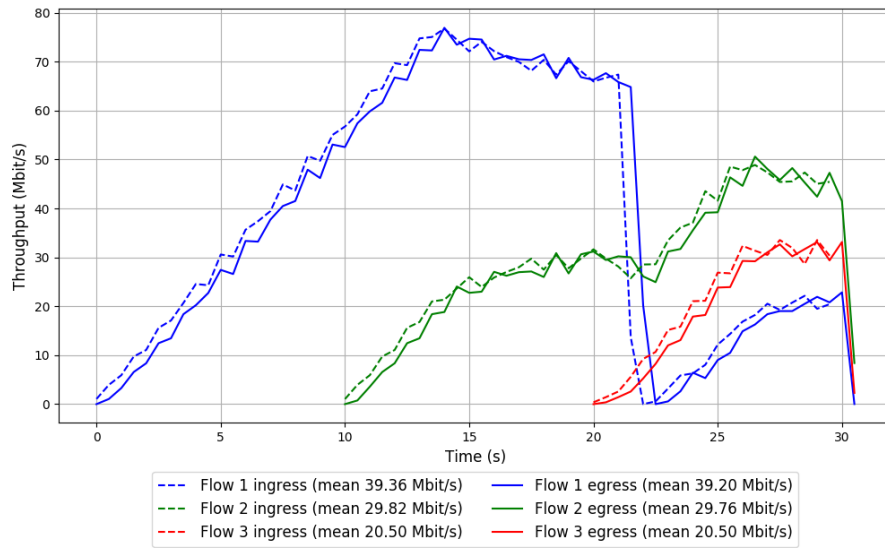
-- Flow 3:

Average throughput: 20.50 Mbit/s

95th percentile per-packet one-way delay: 63.161 ms

Loss rate: 0.00%

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



Run 2: Statistics of LEDBAT

Start at: 2019-09-18 09:54:44

End at: 2019-09-18 09:55:14

Local clock offset: 1.141 ms

Remote clock offset: 9.065 ms

# Below is generated by plot.py at 2019-09-18 12:21:26

# Datalink statistics

-- Total of 3 flows:

Average throughput: 64.72 Mbit/s

95th percentile per-packet one-way delay: 66.866 ms

Loss rate: 0.03%

-- Flow 1:

Average throughput: 37.54 Mbit/s

95th percentile per-packet one-way delay: 63.684 ms

Loss rate: 0.04%

-- Flow 2:

Average throughput: 30.64 Mbit/s

95th percentile per-packet one-way delay: 68.298 ms

Loss rate: 0.02%

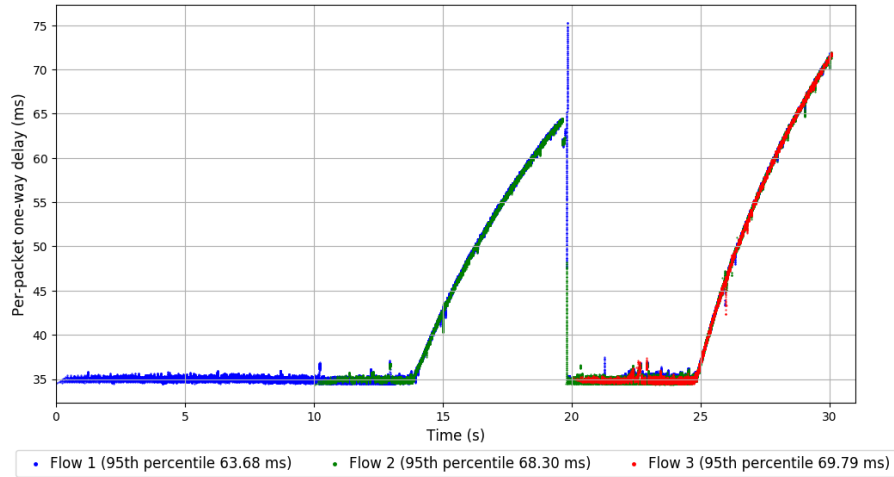
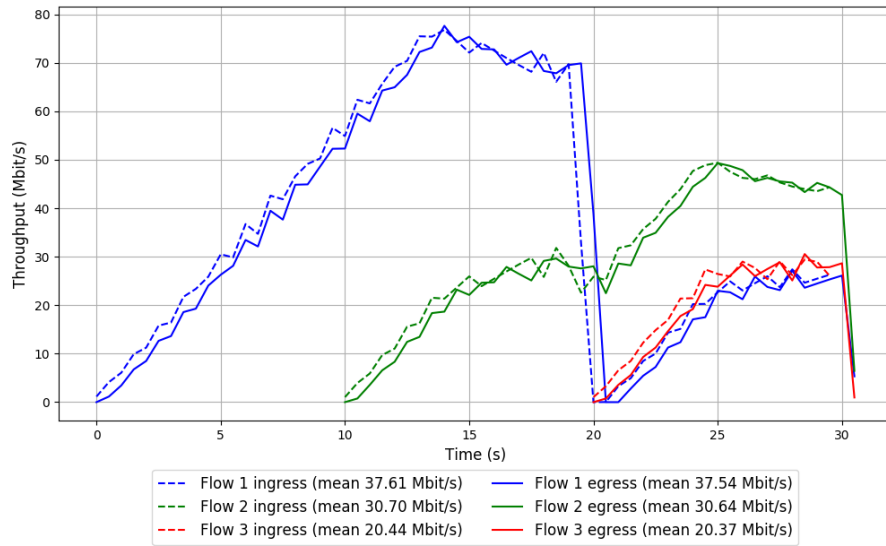
-- Flow 3:

Average throughput: 20.37 Mbit/s

95th percentile per-packet one-way delay: 69.789 ms

Loss rate: 0.00%

## Run 2: Report of LEDBAT — Data Link





Run 3: Statistics of LEDBAT

Start at: 2019-09-18 10:32:15

End at: 2019-09-18 10:32:45

Local clock offset: -3.572 ms

Remote clock offset: 8.587 ms

# Below is generated by plot.py at 2019-09-18 12:21:26

# Datalink statistics

-- Total of 3 flows:

Average throughput: 59.95 Mbit/s

95th percentile per-packet one-way delay: 69.419 ms

Loss rate: 0.21%

-- Flow 1:

Average throughput: 39.96 Mbit/s

95th percentile per-packet one-way delay: 69.298 ms

Loss rate: 0.27%

-- Flow 2:

Average throughput: 19.66 Mbit/s

95th percentile per-packet one-way delay: 71.096 ms

Loss rate: 0.15%

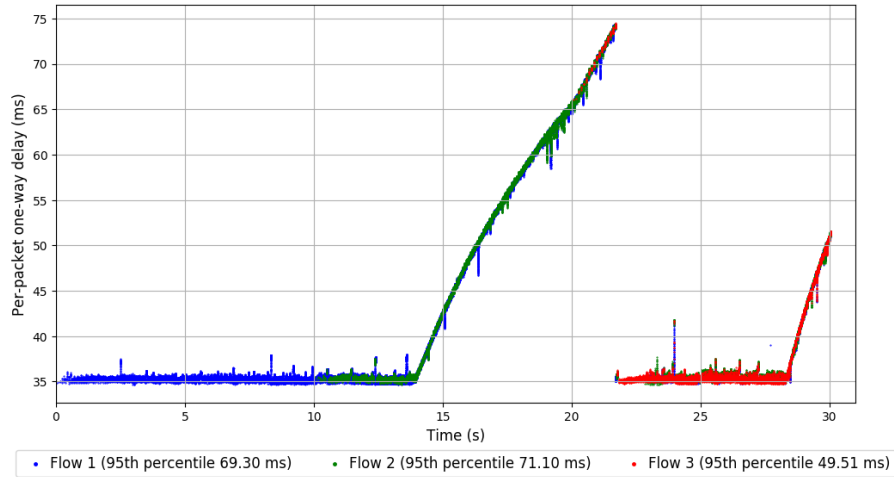
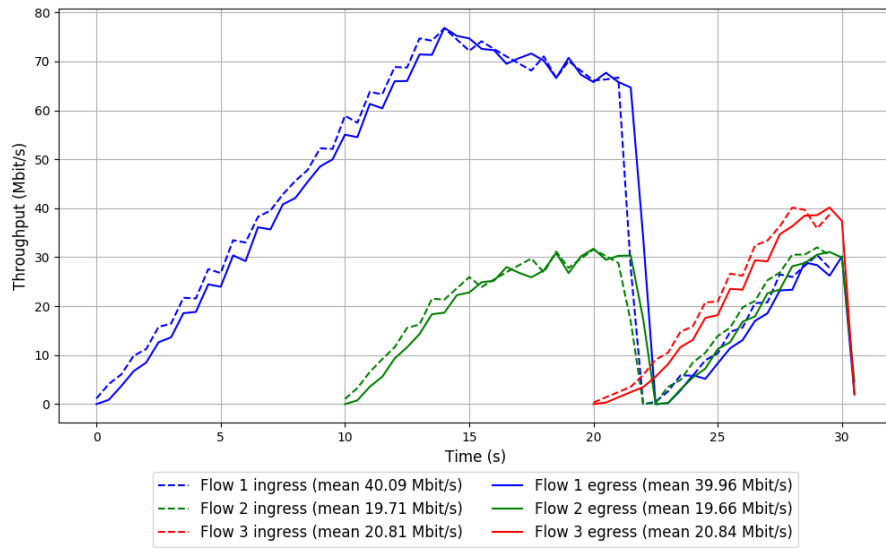
-- Flow 3:

Average throughput: 20.84 Mbit/s

95th percentile per-packet one-way delay: 49.505 ms

Loss rate: 0.02%

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



Run 4: Statistics of LEDBAT

Start at: 2019-09-18 11:07:52

End at: 2019-09-18 11:08:22

Local clock offset: -1.12 ms

Remote clock offset: 8.661 ms

# Below is generated by plot.py at 2019-09-18 12:21:46

# Datalink statistics

-- Total of 3 flows:

Average throughput: 63.09 Mbit/s

95th percentile per-packet one-way delay: 69.457 ms

Loss rate: 0.21%

-- Flow 1:

Average throughput: 43.28 Mbit/s

95th percentile per-packet one-way delay: 68.306 ms

Loss rate: 0.02%

-- Flow 2:

Average throughput: 21.29 Mbit/s

95th percentile per-packet one-way delay: 71.411 ms

Loss rate: 0.86%

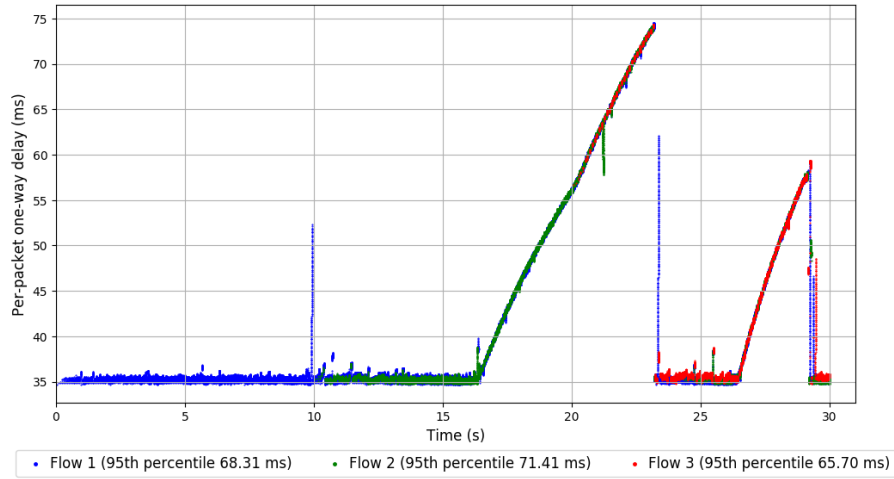
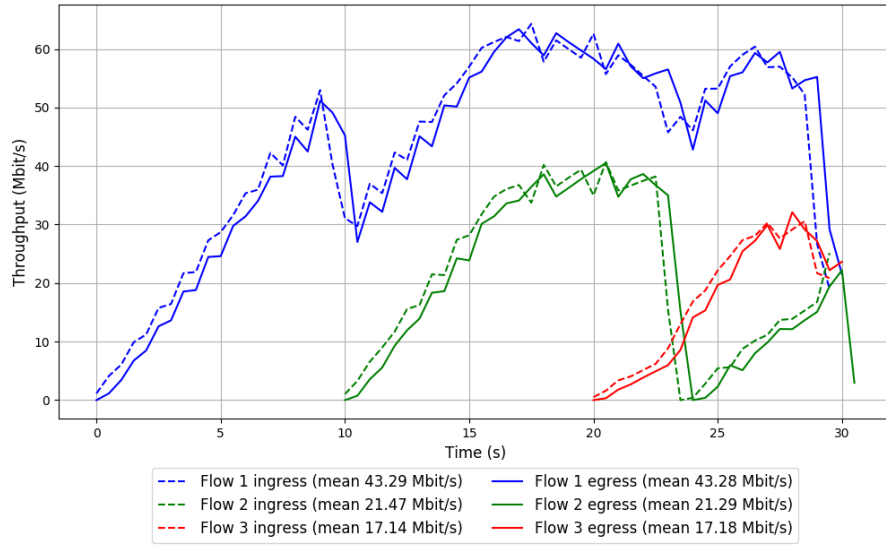
-- Flow 3:

Average throughput: 17.18 Mbit/s

95th percentile per-packet one-way delay: 65.699 ms

Loss rate: 0.02%

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



Run 5: Statistics of LEDBAT

Start at: 2019-09-18 11:45:34

End at: 2019-09-18 11:46:04

Local clock offset: 0.675 ms

Remote clock offset: 8.523 ms

# Below is generated by plot.py at 2019-09-18 12:21:46

# Datalink statistics

-- Total of 3 flows:

Average throughput: 60.25 Mbit/s

95th percentile per-packet one-way delay: 69.139 ms

Loss rate: 0.21%

-- Flow 1:

Average throughput: 39.91 Mbit/s

95th percentile per-packet one-way delay: 69.057 ms

Loss rate: 0.21%

-- Flow 2:

Average throughput: 19.16 Mbit/s

95th percentile per-packet one-way delay: 70.616 ms

Loss rate: 0.32%

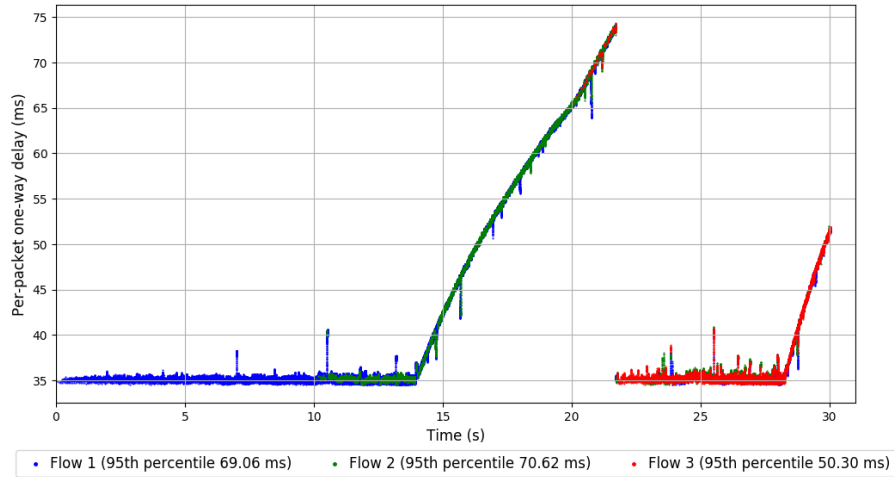
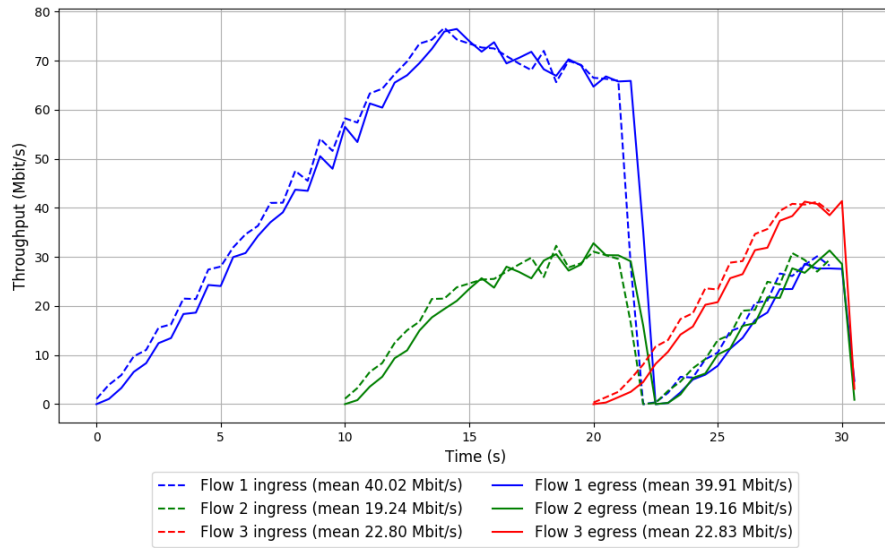
-- Flow 3:

Average throughput: 22.83 Mbit/s

95th percentile per-packet one-way delay: 50.297 ms

Loss rate: 0.00%

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



Run 1: Statistics of Muses\\_DecisionTree

Start at: 2019-09-18 09:33:17

End at: 2019-09-18 09:33:47

Local clock offset: 4.473 ms

Remote clock offset: 8.342 ms

# Below is generated by plot.py at 2019-09-18 12:22:16

# Datalink statistics

-- Total of 3 flows:

Average throughput: 94.55 Mbit/s

95th percentile per-packet one-way delay: 49.395 ms

Loss rate: 0.05%

-- Flow 1:

Average throughput: 75.48 Mbit/s

95th percentile per-packet one-way delay: 49.602 ms

Loss rate: 0.06%

-- Flow 2:

Average throughput: 8.66 Mbit/s

95th percentile per-packet one-way delay: 59.753 ms

Loss rate: 0.01%

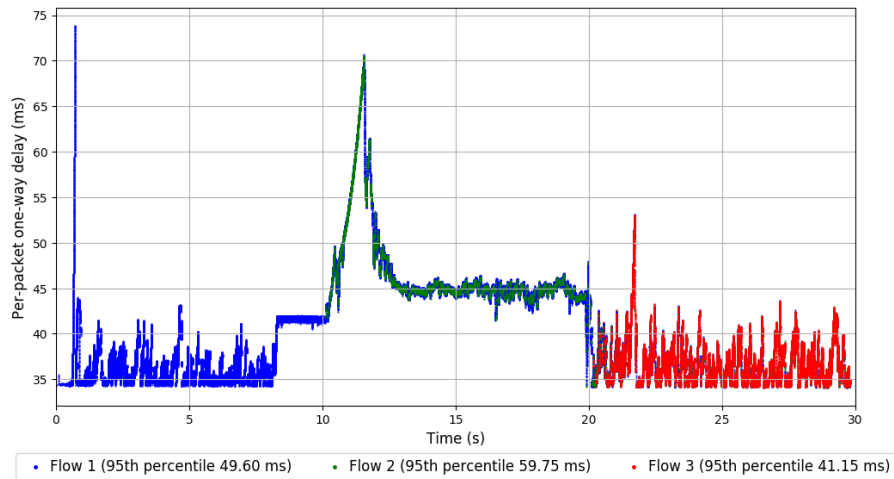
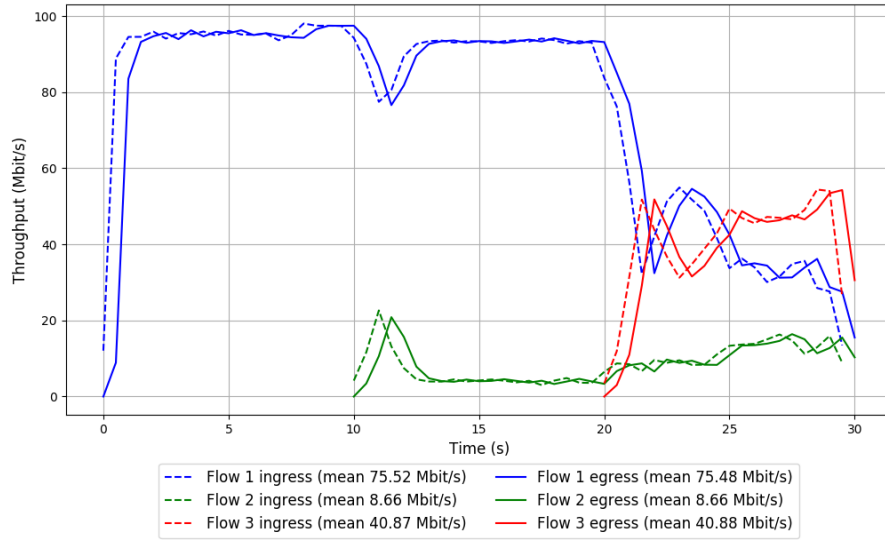
-- Flow 3:

Average throughput: 40.88 Mbit/s

95th percentile per-packet one-way delay: 41.154 ms

Loss rate: 0.01%

Run 1: Report of Muses\_DecisionTree — Data Link





Run 2: Statistics of Muses\\_DecisionTree

Start at: 2019-09-18 10:09:53

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

Local clock offset: -1.834 ms

Remote clock offset: 9.656 ms

# Below is generated by plot.py at 2019-09-18 12:22:16

# Datalink statistics

-- Total of 3 flows:

Average throughput: 92.77 Mbit/s

95th percentile per-packet one-way delay: 45.131 ms

Loss rate: 0.38%

-- Flow 1:

Average throughput: 51.65 Mbit/s

95th percentile per-packet one-way delay: 43.414 ms

Loss rate: 0.13%

-- Flow 2:

Average throughput: 26.97 Mbit/s

95th percentile per-packet one-way delay: 50.623 ms

Loss rate: 0.81%

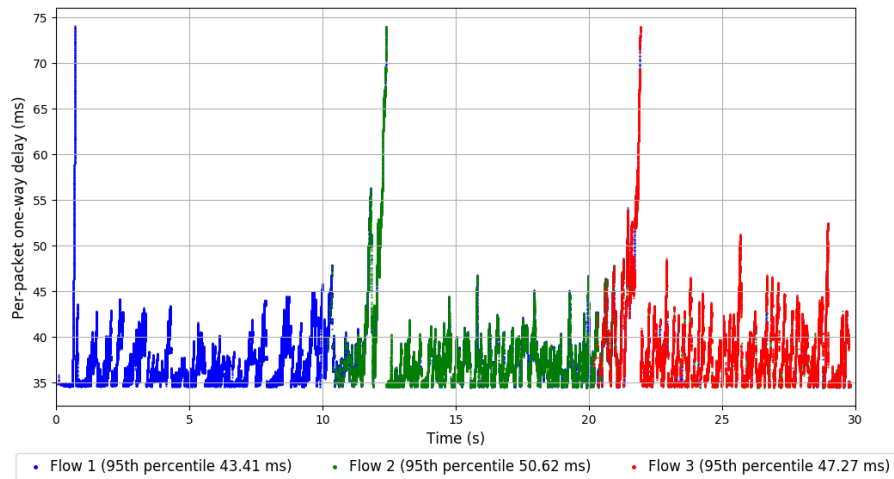
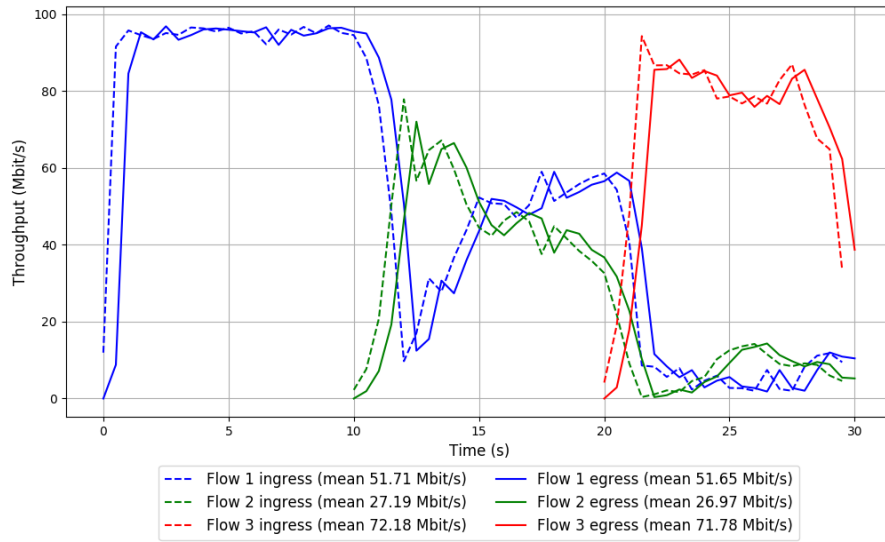
-- Flow 3:

Average throughput: 71.78 Mbit/s

95th percentile per-packet one-way delay: 47.265 ms

Loss rate: 0.58%

Run 2: Report of Muses\_DecisionTree — Data Link



Run 3: Statistics of Muses\\_DecisionTree

Start at: 2019-09-18 10:47:34

End at: 2019-09-18 10:48:04

Local clock offset: -3.231 ms

Remote clock offset: 7.901 ms

# Below is generated by plot.py at 2019-09-18 12:22:21

# Datalink statistics

-- Total of 3 flows:

Average throughput: 93.57 Mbit/s

95th percentile per-packet one-way delay: 43.192 ms

Loss rate: 0.06%

-- Flow 1:

Average throughput: 57.35 Mbit/s

95th percentile per-packet one-way delay: 43.195 ms

Loss rate: 0.10%

-- Flow 2:

Average throughput: 30.25 Mbit/s

95th percentile per-packet one-way delay: 42.635 ms

Loss rate: 0.00%

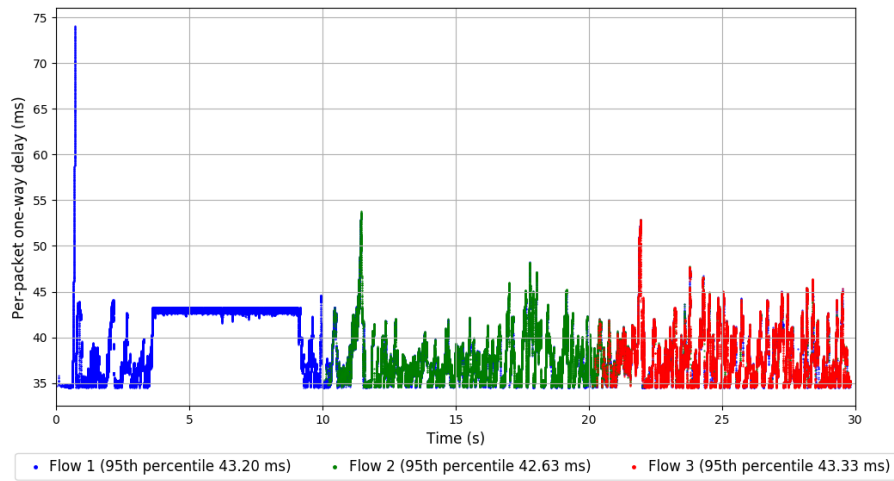
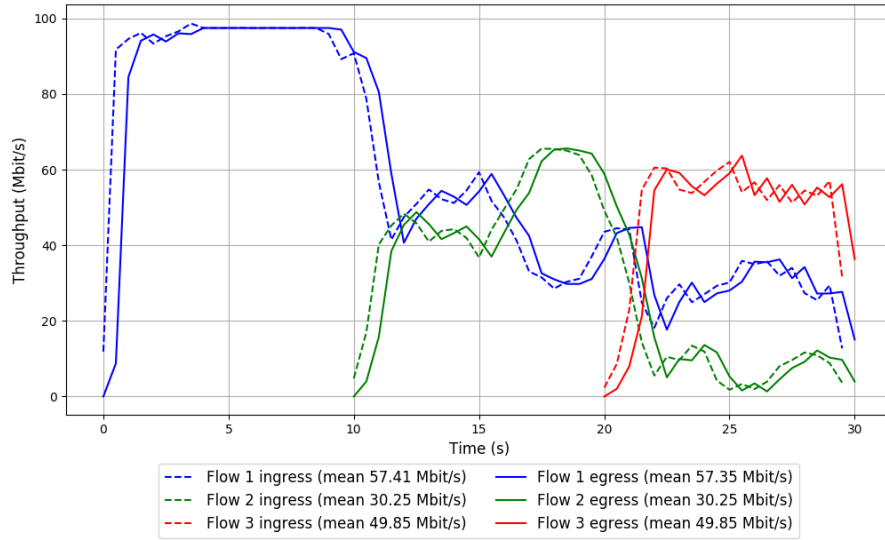
-- Flow 3:

Average throughput: 49.85 Mbit/s

95th percentile per-packet one-way delay: 43.333 ms

Loss rate: 0.00%

Run 3: Report of Muses\_DecisionTree — Data Link



Run 4: Statistics of Muses\\_DecisionTree

Start at: 2019-09-18 11:22:43

End at: 2019-09-18 11:23:13

Local clock offset: 0.735 ms

Remote clock offset: 9.035 ms

# Below is generated by plot.py at 2019-09-18 12:22:22

# Datalink statistics

-- Total of 3 flows:

Average throughput: 91.89 Mbit/s

95th percentile per-packet one-way delay: 46.434 ms

Loss rate: 0.31%

-- Flow 1:

Average throughput: 46.14 Mbit/s

95th percentile per-packet one-way delay: 42.192 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 35.55 Mbit/s

95th percentile per-packet one-way delay: 49.301 ms

Loss rate: 0.62%

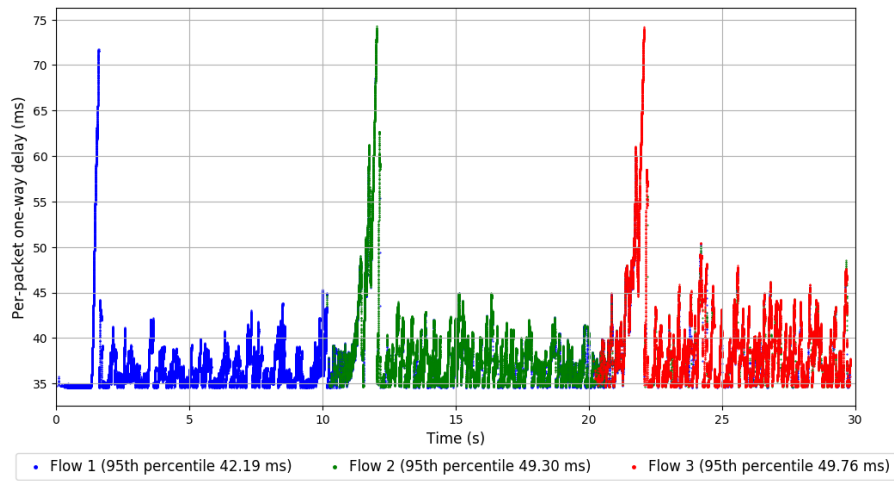
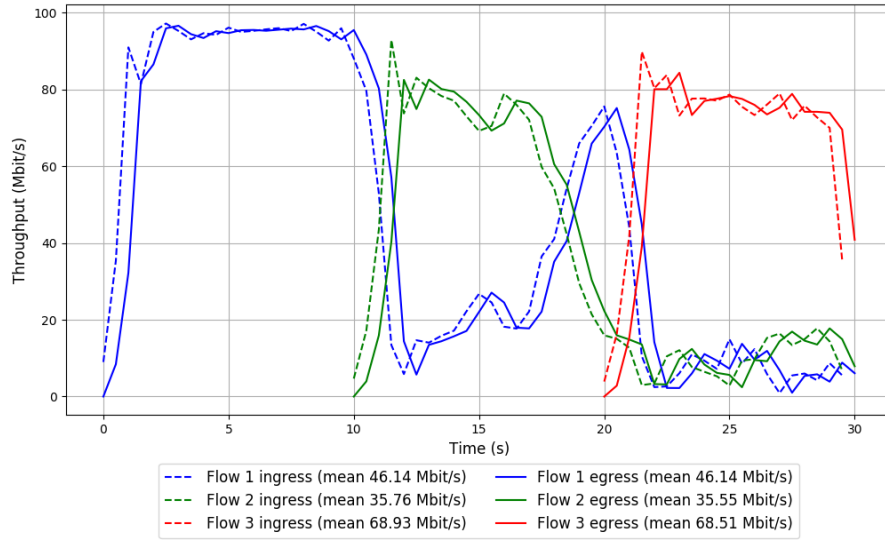
-- Flow 3:

Average throughput: 68.51 Mbit/s

95th percentile per-packet one-way delay: 49.760 ms

Loss rate: 0.64%

Run 4: Report of Muses\_DecisionTree — Data Link



Run 5: Statistics of Muses\\_DecisionTree

Start at: 2019-09-18 12:00:11

End at: 2019-09-18 12:00:41

Local clock offset: 0.845 ms

Remote clock offset: 8.391 ms

# Below is generated by plot.py at 2019-09-18 12:22:28

# Datalink statistics

-- Total of 3 flows:

Average throughput: 92.91 Mbit/s

95th percentile per-packet one-way delay: 44.269 ms

Loss rate: 0.22%

-- Flow 1:

Average throughput: 52.18 Mbit/s

95th percentile per-packet one-way delay: 41.992 ms

Loss rate: 0.11%

-- Flow 2:

Average throughput: 32.94 Mbit/s

95th percentile per-packet one-way delay: 47.601 ms

Loss rate: 0.00%

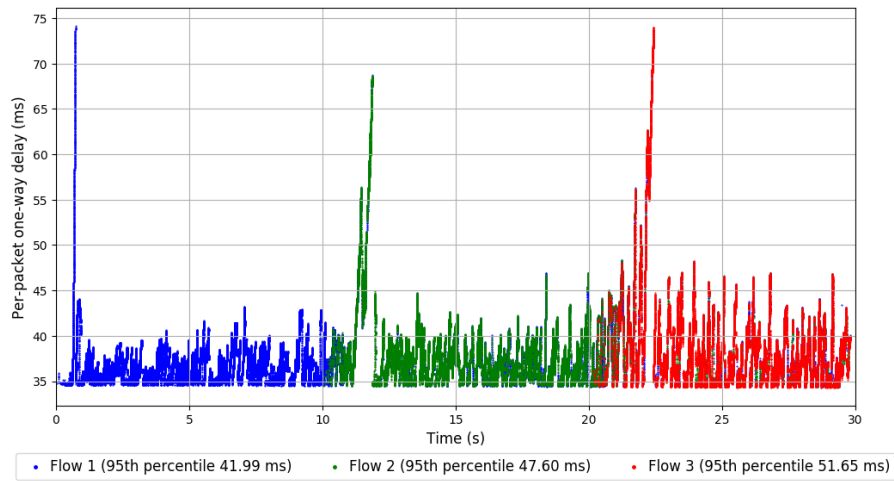
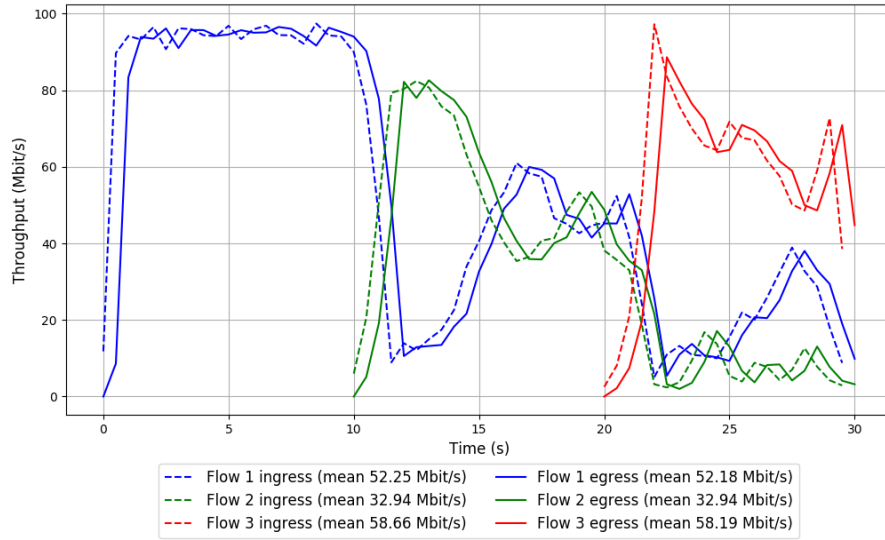
-- Flow 3:

Average throughput: 58.19 Mbit/s

95th percentile per-packet one-way delay: 51.648 ms

Loss rate: 0.76%

Run 5: Report of Muses\_DecisionTree — Data Link





Run 1: Statistics of Muses\\_DecisionTreeH0

Start at: 2019-09-18 09:12:24

End at: 2019-09-18 09:12:54

Local clock offset: 0.564 ms

Remote clock offset: 7.506 ms

# Below is generated by plot.py at 2019-09-18 12:22:28

# Datalink statistics

-- Total of 3 flows:

Average throughput: 82.70 Mbit/s

95th percentile per-packet one-way delay: 66.277 ms

Loss rate: 5.57%

-- Flow 1:

Average throughput: 67.05 Mbit/s

95th percentile per-packet one-way delay: 65.788 ms

Loss rate: 4.70%

-- Flow 2:

Average throughput: 22.29 Mbit/s

95th percentile per-packet one-way delay: 68.135 ms

Loss rate: 9.10%

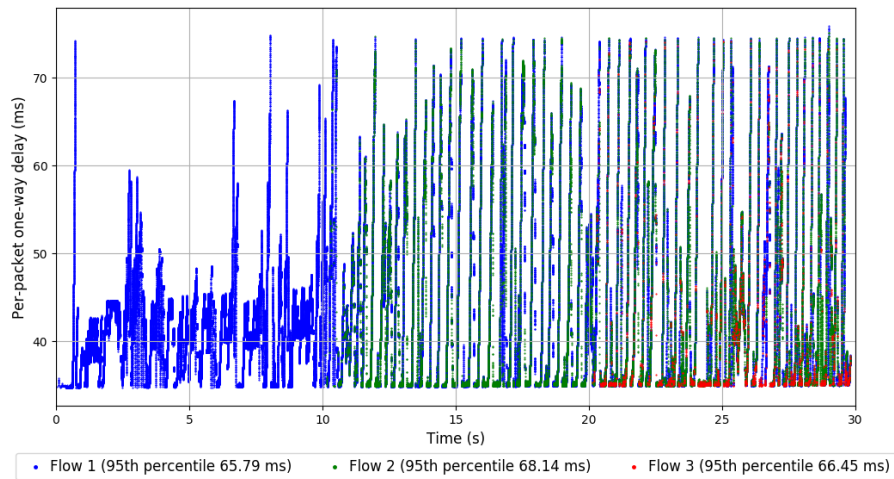
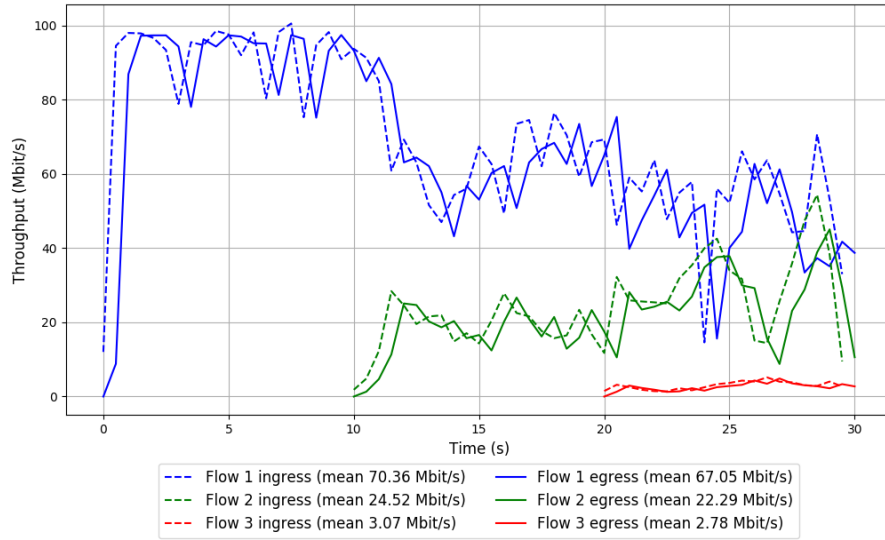
-- Flow 3:

Average throughput: 2.78 Mbit/s

95th percentile per-packet one-way delay: 66.448 ms

Loss rate: 9.34%

Run 1: Report of Muses\_DecisionTreeH0 — Data Link



Run 2: Statistics of Muses\\_DecisionTreeH0

Start at: 2019-09-18 09:48:49

End at: 2019-09-18 09:49:19

Local clock offset: 1.311 ms

Remote clock offset: 8.764 ms

# Below is generated by plot.py at 2019-09-18 12:22:47

# Datalink statistics

-- Total of 3 flows:

Average throughput: 83.10 Mbit/s

95th percentile per-packet one-way delay: 62.574 ms

Loss rate: 6.40%

-- Flow 1:

Average throughput: 66.28 Mbit/s

95th percentile per-packet one-way delay: 60.873 ms

Loss rate: 5.25%

-- Flow 2:

Average throughput: 15.16 Mbit/s

95th percentile per-packet one-way delay: 67.576 ms

Loss rate: 12.48%

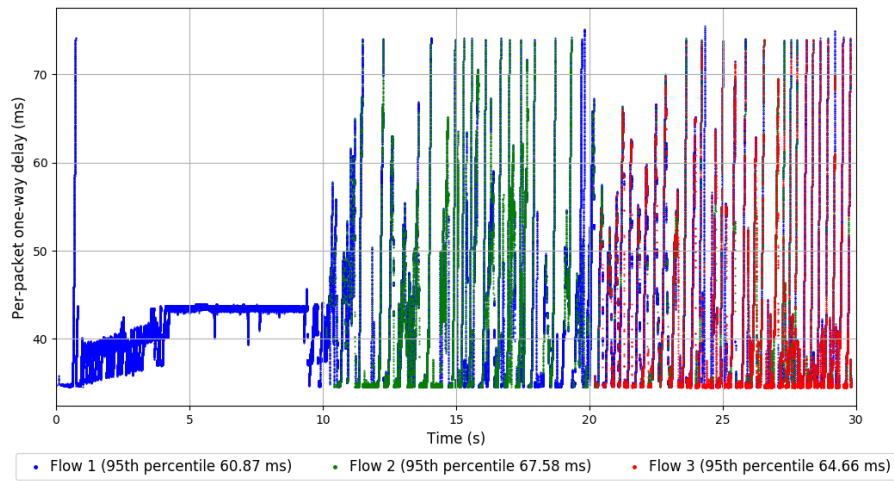
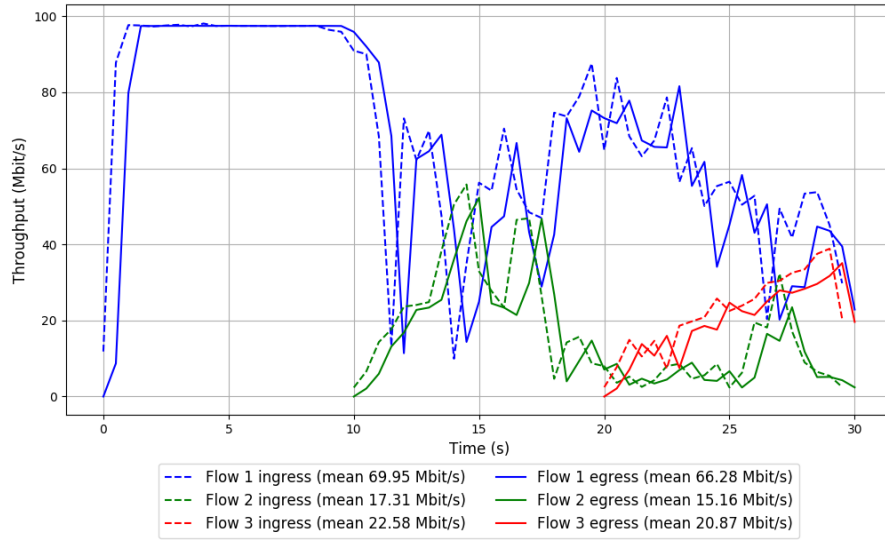
-- Flow 3:

Average throughput: 20.87 Mbit/s

95th percentile per-packet one-way delay: 64.659 ms

Loss rate: 7.77%

Run 2: Report of Muses\_DecisionTreeH0 — Data Link



Run 3: Statistics of Muses\\_DecisionTreeH0

Start at: 2019-09-18 10:26:21

End at: 2019-09-18 10:26:51

Local clock offset: -3.467 ms

Remote clock offset: 9.14 ms

# Below is generated by plot.py at 2019-09-18 12:22:50

# Datalink statistics

-- Total of 3 flows:

Average throughput: 87.59 Mbit/s

95th percentile per-packet one-way delay: 57.377 ms

Loss rate: 2.63%

-- Flow 1:

Average throughput: 82.29 Mbit/s

95th percentile per-packet one-way delay: 57.403 ms

Loss rate: 2.70%

-- Flow 2:

Average throughput: 6.60 Mbit/s

95th percentile per-packet one-way delay: 56.924 ms

Loss rate: 1.49%

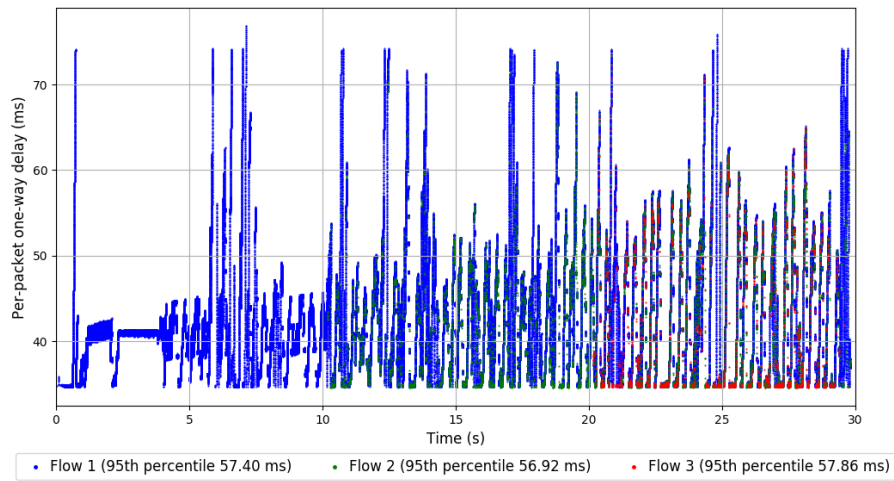
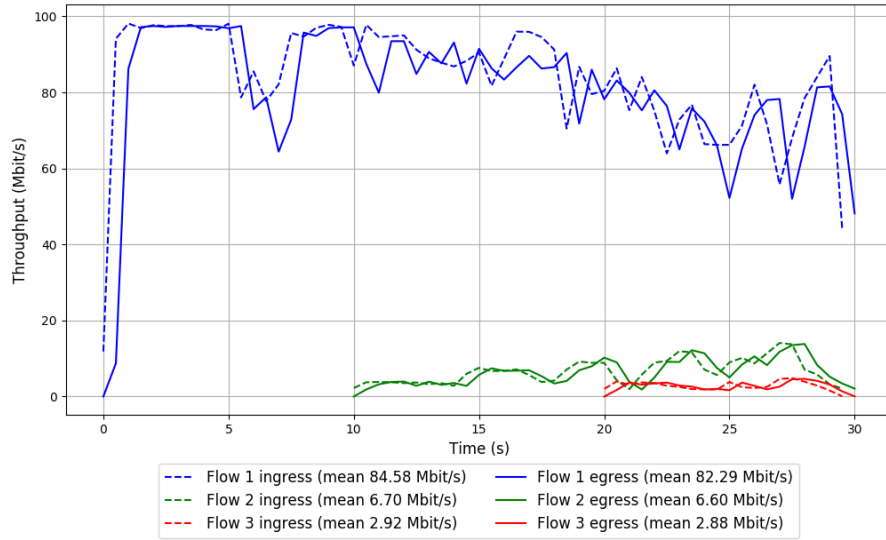
-- Flow 3:

Average throughput: 2.88 Mbit/s

95th percentile per-packet one-way delay: 57.857 ms

Loss rate: 1.53%

Run 3: Report of Muses\_DecisionTreeH0 — Data Link



Run 4: Statistics of Muses\\_DecisionTreeH0

Start at: 2019-09-18 11:02:16

End at: 2019-09-18 11:02:46

Local clock offset: -2.732 ms

Remote clock offset: 8.295 ms

# Below is generated by plot.py at 2019-09-18 12:23:17

# Datalink statistics

-- Total of 3 flows:

Average throughput: 84.57 Mbit/s

95th percentile per-packet one-way delay: 61.106 ms

Loss rate: 3.59%

-- Flow 1:

Average throughput: 79.22 Mbit/s

95th percentile per-packet one-way delay: 60.573 ms

Loss rate: 3.25%

-- Flow 2:

Average throughput: 1.36 Mbit/s

95th percentile per-packet one-way delay: 60.180 ms

Loss rate: 4.10%

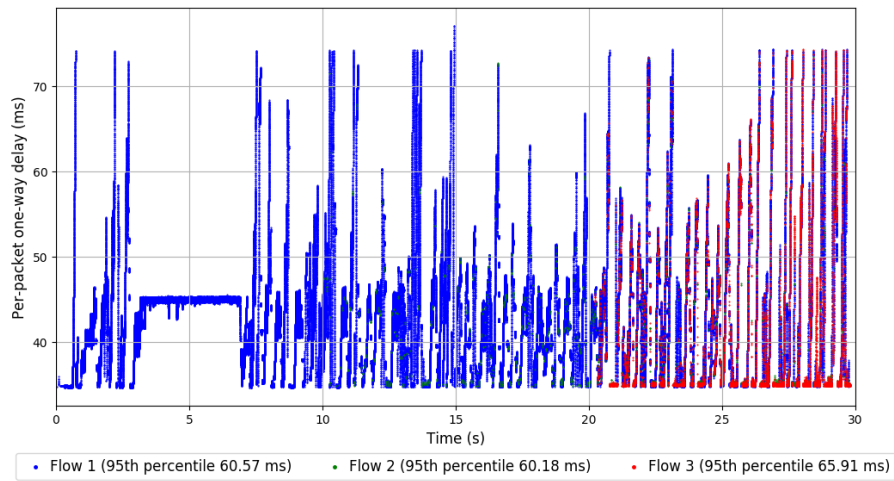
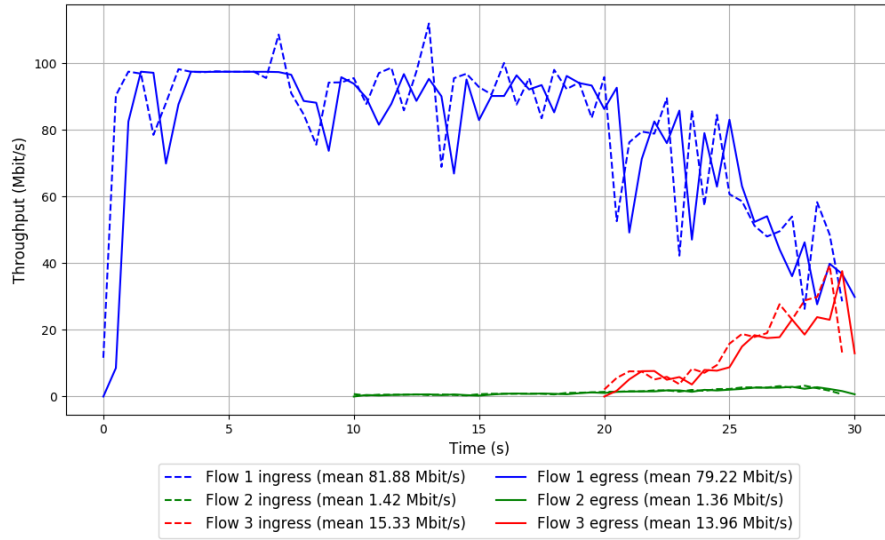
-- Flow 3:

Average throughput: 13.96 Mbit/s

95th percentile per-packet one-way delay: 65.908 ms

Loss rate: 9.04%

Run 4: Report of Muses\_DecisionTreeH0 — Data Link





Run 5: Statistics of Muses\\_DecisionTreeH0

Start at: 2019-09-18 11:39:36

End at: 2019-09-18 11:40:06

Local clock offset: 0.72 ms

Remote clock offset: 8.643 ms

# Below is generated by plot.py at 2019-09-18 12:23:17

# Datalink statistics

-- Total of 3 flows:

Average throughput: 83.64 Mbit/s

95th percentile per-packet one-way delay: 64.012 ms

Loss rate: 7.66%

-- Flow 1:

Average throughput: 53.17 Mbit/s

95th percentile per-packet one-way delay: 62.216 ms

Loss rate: 5.94%

-- Flow 2:

Average throughput: 44.54 Mbit/s

95th percentile per-packet one-way delay: 65.873 ms

Loss rate: 10.59%

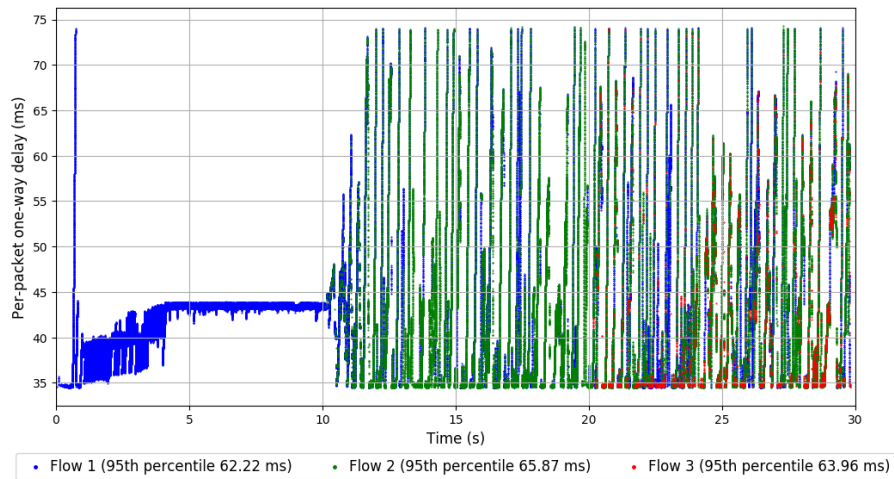
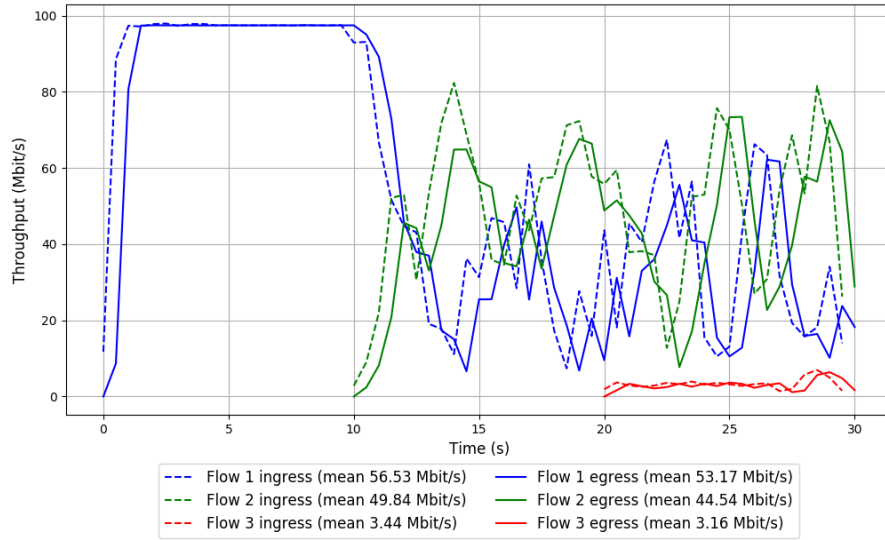
-- Flow 3:

Average throughput: 3.16 Mbit/s

95th percentile per-packet one-way delay: 63.959 ms

Loss rate: 8.04%

Run 5: Report of Muses\_DecisionTreeH0 — Data Link



Run 1: Statistics of Muses\\_DecisionTreeR0

Start at: 2019-09-18 09:21:32

End at: 2019-09-18 09:22:02

Local clock offset: 3.981 ms

Remote clock offset: 7.931 ms

# Below is generated by plot.py at 2019-09-18 12:23:27

# Datalink statistics

-- Total of 3 flows:

Average throughput: 93.91 Mbit/s

95th percentile per-packet one-way delay: 43.670 ms

Loss rate: 0.23%

-- Flow 1:

Average throughput: 55.32 Mbit/s

95th percentile per-packet one-way delay: 42.099 ms

Loss rate: 0.10%

-- Flow 2:

Average throughput: 27.58 Mbit/s

95th percentile per-packet one-way delay: 44.363 ms

Loss rate: 0.05%

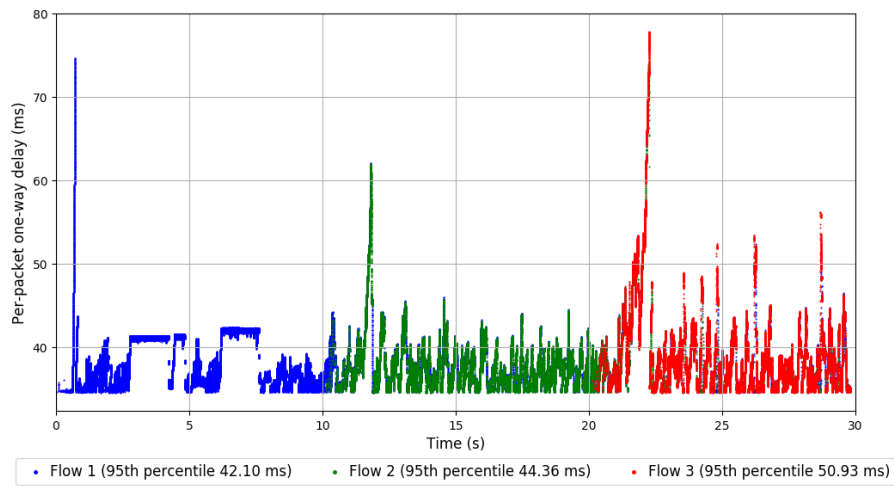
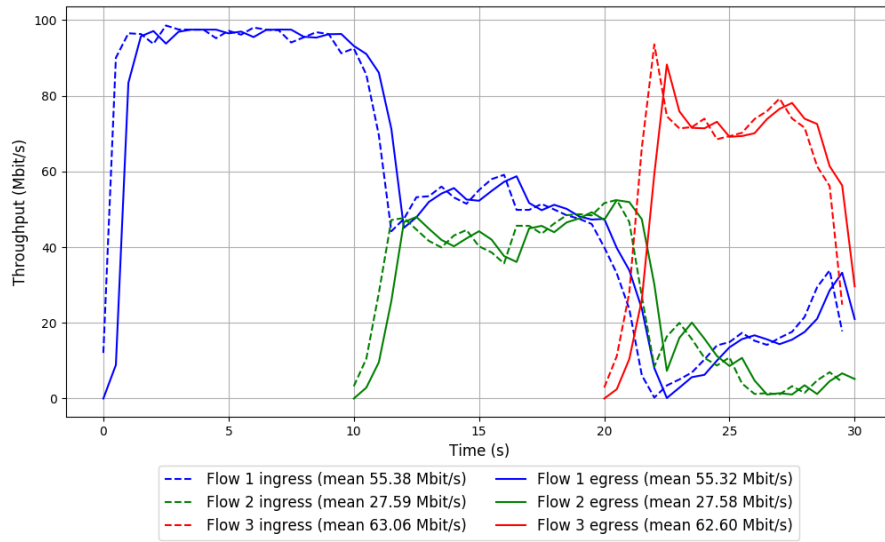
-- Flow 3:

Average throughput: 62.60 Mbit/s

95th percentile per-packet one-way delay: 50.933 ms

Loss rate: 0.74%

Run 1: Report of Muses\_DecisionTreeR0 — Data Link



Run 2: Statistics of Muses\\_DecisionTreeR0

Start at: 2019-09-18 09:57:54

End at: 2019-09-18 09:58:24

Local clock offset: 1.051 ms

Remote clock offset: 9.239 ms

# Below is generated by plot.py at 2019-09-18 12:23:28

# Datalink statistics

-- Total of 3 flows:

Average throughput: 93.51 Mbit/s

95th percentile per-packet one-way delay: 45.222 ms

Loss rate: 0.38%

-- Flow 1:

Average throughput: 48.65 Mbit/s

95th percentile per-packet one-way delay: 41.592 ms

Loss rate: 0.16%

-- Flow 2:

Average throughput: 35.25 Mbit/s

95th percentile per-packet one-way delay: 48.899 ms

Loss rate: 0.62%

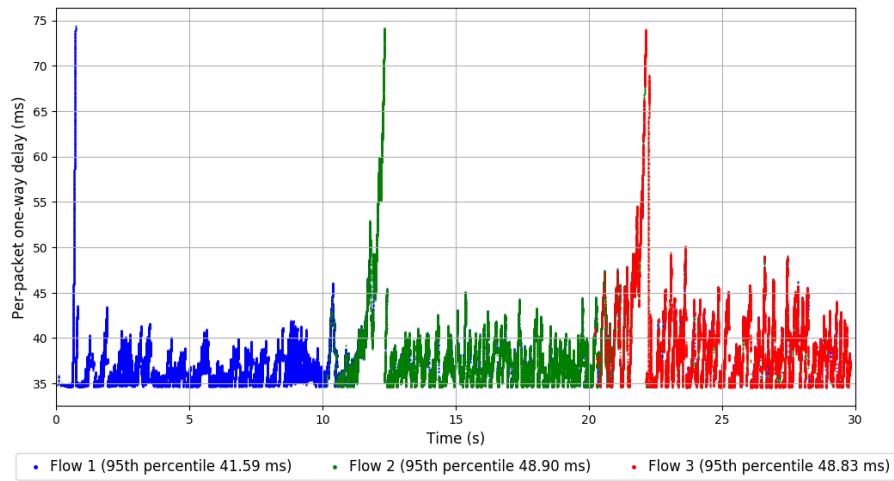
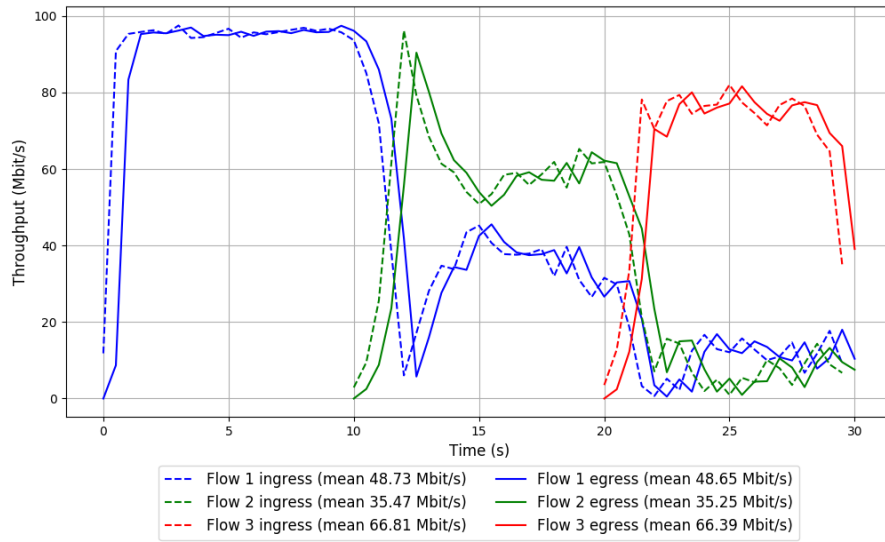
-- Flow 3:

Average throughput: 66.39 Mbit/s

95th percentile per-packet one-way delay: 48.825 ms

Loss rate: 0.63%

Run 2: Report of Muses\_DecisionTreeR0 — Data Link



Run 3: Statistics of Muses\\_DecisionTreeR0

Start at: 2019-09-18 10:35:25

End at: 2019-09-18 10:35:55

Local clock offset: -3.374 ms

Remote clock offset: 8.404 ms

# Below is generated by plot.py at 2019-09-18 12:23:32

# Datalink statistics

-- Total of 3 flows:

Average throughput: 93.35 Mbit/s

95th percentile per-packet one-way delay: 43.394 ms

Loss rate: 0.23%

-- Flow 1:

Average throughput: 58.99 Mbit/s

95th percentile per-packet one-way delay: 42.325 ms

Loss rate: 0.12%

-- Flow 2:

Average throughput: 38.25 Mbit/s

95th percentile per-packet one-way delay: 48.398 ms

Loss rate: 0.57%

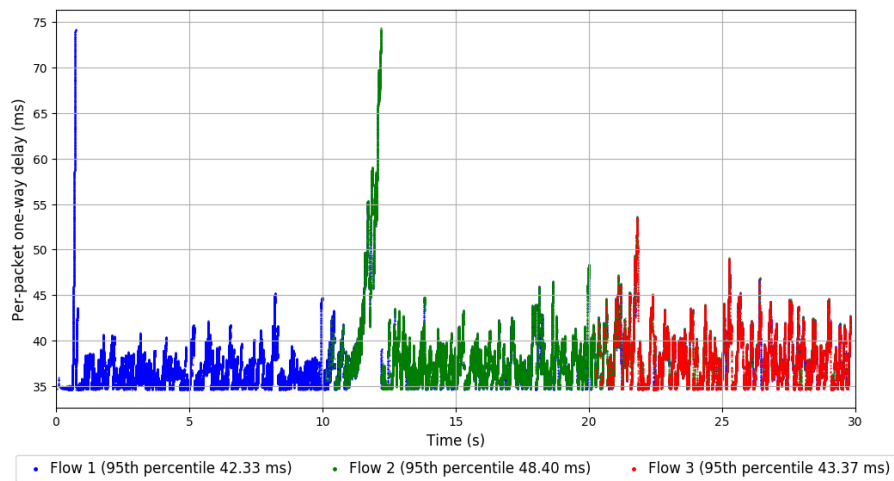
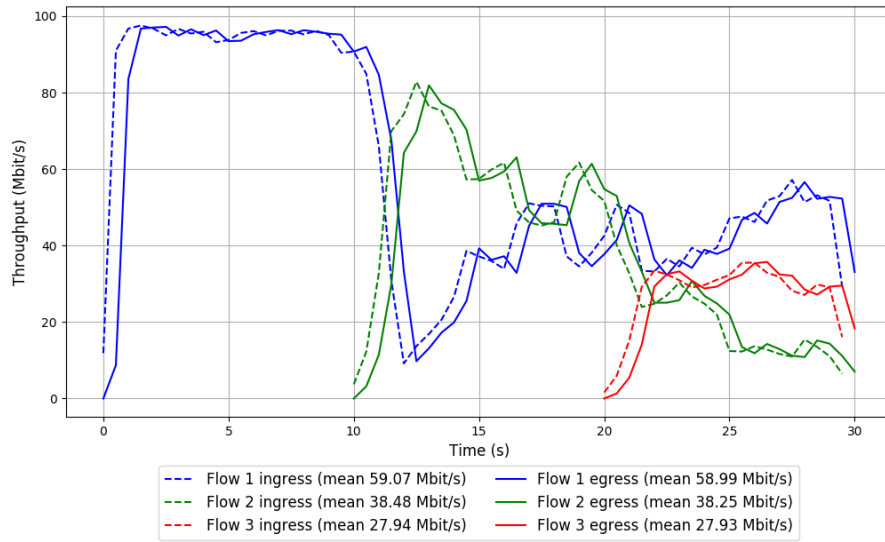
-- Flow 3:

Average throughput: 27.93 Mbit/s

95th percentile per-packet one-way delay: 43.370 ms

Loss rate: 0.00%

### Run 3: Report of Muses\_DecisionTreeR0 — Data Link





Run 4: Statistics of Muses\\_DecisionTreeR0

Start at: 2019-09-18 11:11:16

End at: 2019-09-18 11:11:46

Local clock offset: -0.455 ms

Remote clock offset: 8.87 ms

# Below is generated by plot.py at 2019-09-18 12:23:34

# Datalink statistics

-- Total of 3 flows:

Average throughput: 93.32 Mbit/s

95th percentile per-packet one-way delay: 43.084 ms

Loss rate: 0.06%

-- Flow 1:

Average throughput: 51.26 Mbit/s

95th percentile per-packet one-way delay: 41.834 ms

Loss rate: 0.11%

-- Flow 2:

Average throughput: 39.01 Mbit/s

95th percentile per-packet one-way delay: 43.766 ms

Loss rate: 0.00%

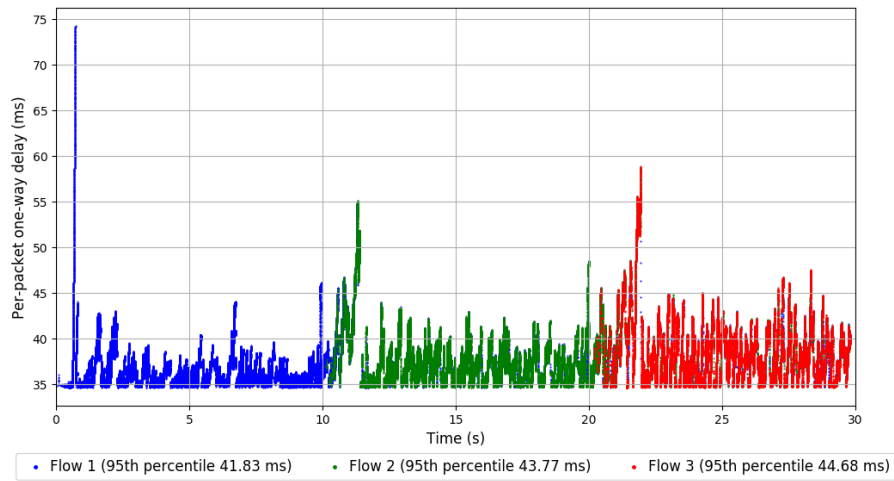
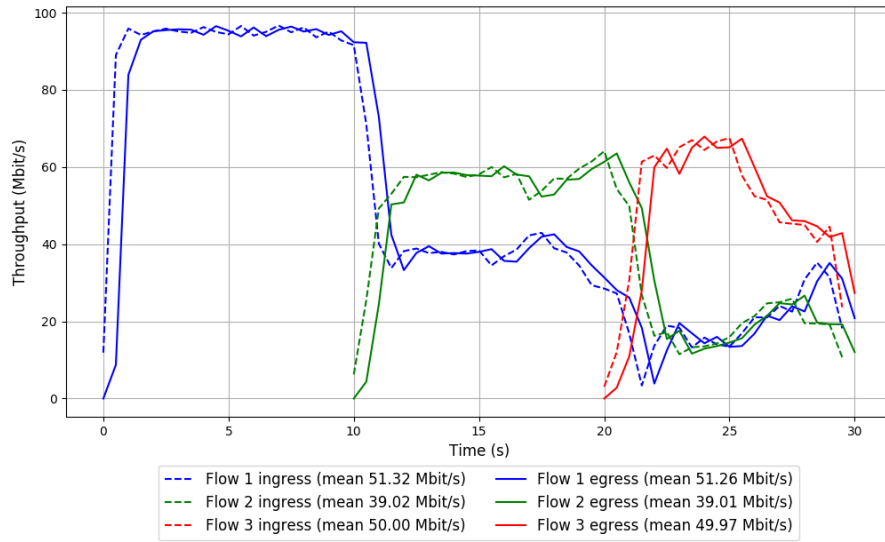
-- Flow 3:

Average throughput: 49.97 Mbit/s

95th percentile per-packet one-way delay: 44.678 ms

Loss rate: 0.00%

Run 4: Report of Muses\_DecisionTreeR0 — Data Link



Run 5: Statistics of Muses\\_DecisionTreeR0

Start at: 2019-09-18 11:48:46

End at: 2019-09-18 11:49:16

Local clock offset: 0.676 ms

Remote clock offset: 8.424 ms

# Below is generated by plot.py at 2019-09-18 12:23:57

# Datalink statistics

-- Total of 3 flows:

Average throughput: 93.35 Mbit/s

95th percentile per-packet one-way delay: 44.281 ms

Loss rate: 0.21%

-- Flow 1:

Average throughput: 56.62 Mbit/s

95th percentile per-packet one-way delay: 42.902 ms

Loss rate: 0.11%

-- Flow 2:

Average throughput: 30.30 Mbit/s

95th percentile per-packet one-way delay: 44.056 ms

Loss rate: 0.00%

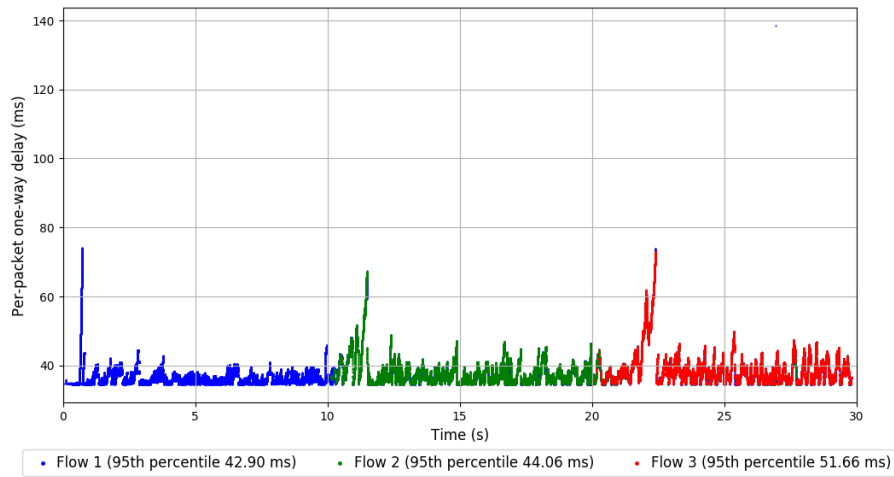
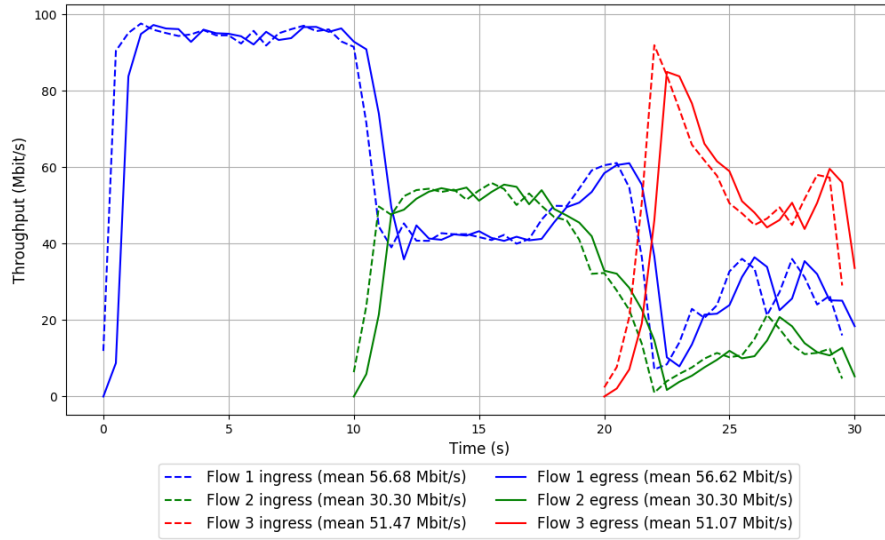
-- Flow 3:

Average throughput: 51.07 Mbit/s

95th percentile per-packet one-way delay: 51.664 ms

Loss rate: 0.80%

Run 5: Report of Muses\_DecisionTreeR0 — Data Link



Run 1: Statistics of PCC-Allegro

Start at: 2019-09-18 09:29:15

End at: 2019-09-18 09:29:45

Local clock offset: 5.621 ms

Remote clock offset: 8.224 ms

# Below is generated by plot.py at 2019-09-18 12:24:00

# Datalink statistics

-- Total of 3 flows:

Average throughput: 90.43 Mbit/s

95th percentile per-packet one-way delay: 67.556 ms

Loss rate: 3.20%

-- Flow 1:

Average throughput: 77.60 Mbit/s

95th percentile per-packet one-way delay: 67.038 ms

Loss rate: 3.12%

-- Flow 2:

Average throughput: 15.13 Mbit/s

95th percentile per-packet one-way delay: 69.462 ms

Loss rate: 3.90%

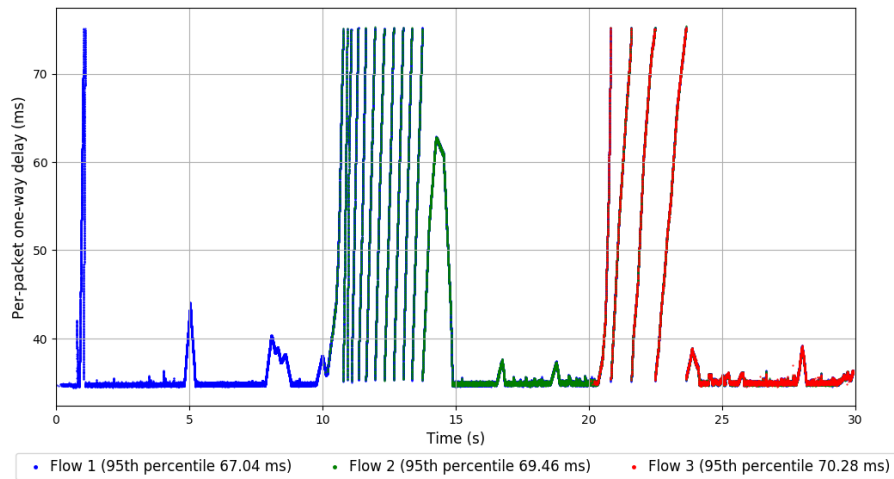
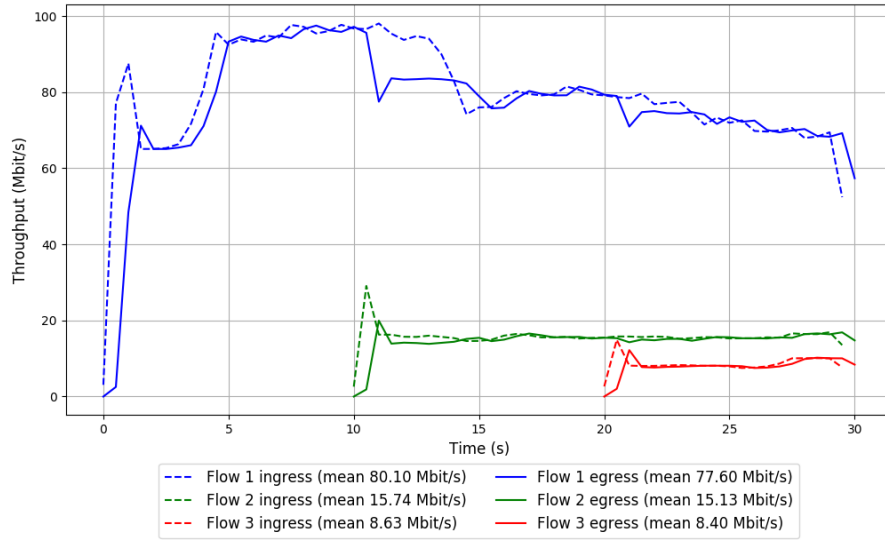
-- Flow 3:

Average throughput: 8.40 Mbit/s

95th percentile per-packet one-way delay: 70.283 ms

Loss rate: 2.64%

Run 1: Report of PCC-Allegro — Data Link



Run 2: Statistics of PCC-Allegro

Start at: 2019-09-18 10:05:39

End at: 2019-09-18 10:06:09

Local clock offset: -0.805 ms

Remote clock offset: 9.502 ms

# Below is generated by plot.py at 2019-09-18 12:24:24

# Datalink statistics

-- Total of 3 flows:

Average throughput: 91.32 Mbit/s

95th percentile per-packet one-way delay: 55.015 ms

Loss rate: 1.71%

-- Flow 1:

Average throughput: 83.65 Mbit/s

95th percentile per-packet one-way delay: 54.817 ms

Loss rate: 1.67%

-- Flow 2:

Average throughput: 7.40 Mbit/s

95th percentile per-packet one-way delay: 59.445 ms

Loss rate: 1.85%

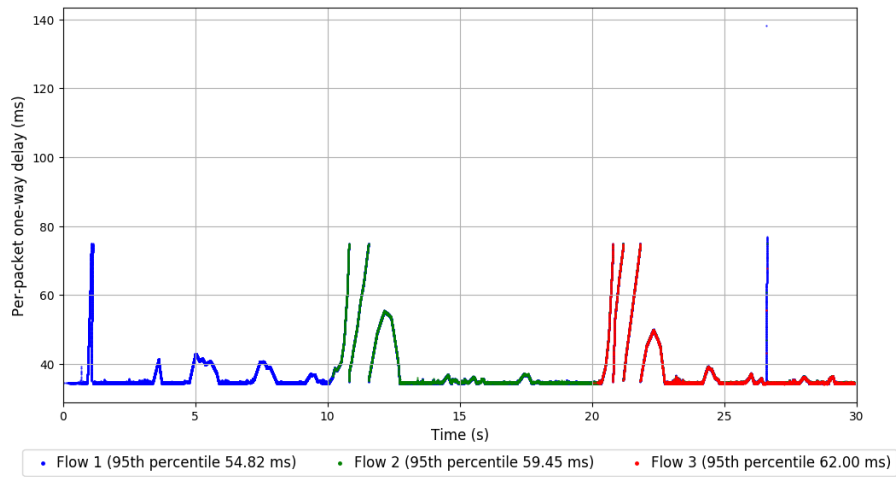
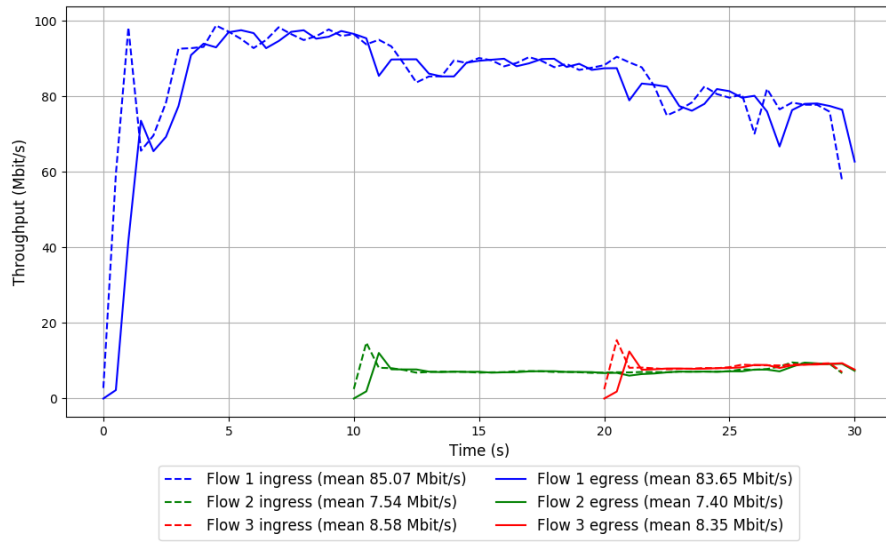
-- Flow 3:

Average throughput: 8.35 Mbit/s

95th percentile per-packet one-way delay: 62.001 ms

Loss rate: 2.75%

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





Run 3: Statistics of PCC-Allegro

Start at: 2019-09-18 10:43:24

End at: 2019-09-18 10:43:54

Local clock offset: -3.198 ms

Remote clock offset: 8.063 ms

# Below is generated by plot.py at 2019-09-18 12:24:25

# Datalink statistics

-- Total of 3 flows:

Average throughput: 91.88 Mbit/s

95th percentile per-packet one-way delay: 71.346 ms

Loss rate: 2.72%

-- Flow 1:

Average throughput: 83.65 Mbit/s

95th percentile per-packet one-way delay: 71.280 ms

Loss rate: 2.76%

-- Flow 2:

Average throughput: 9.97 Mbit/s

95th percentile per-packet one-way delay: 72.095 ms

Loss rate: 2.74%

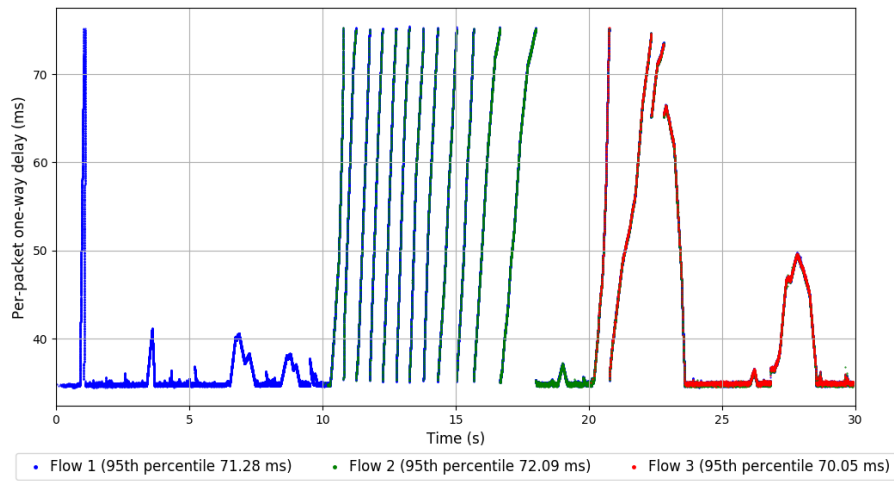
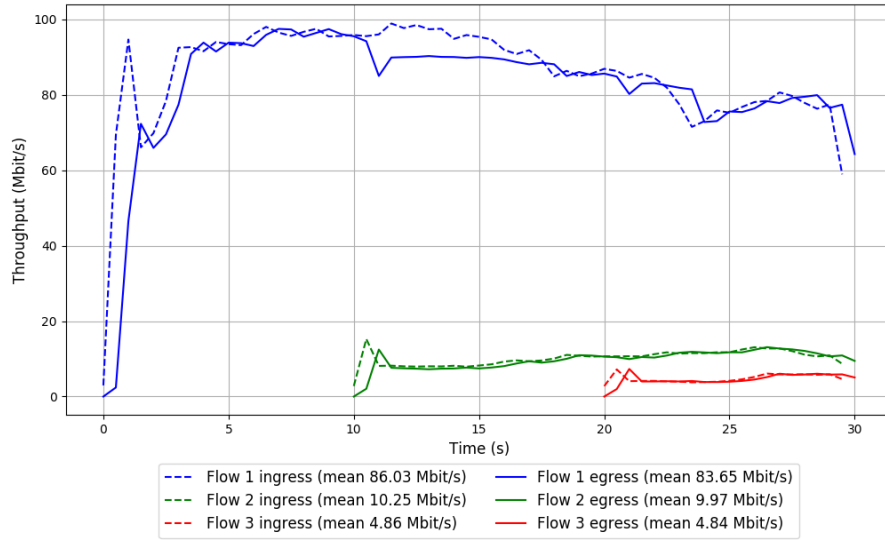
-- Flow 3:

Average throughput: 4.84 Mbit/s

95th percentile per-packet one-way delay: 70.049 ms

Loss rate: 0.48%

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



Run 4: Statistics of PCC-Allegro

Start at: 2019-09-18 11:18:38

End at: 2019-09-18 11:19:08

Local clock offset: 0.395 ms

Remote clock offset: 8.947 ms

# Below is generated by plot.py at 2019-09-18 12:24:40

# Datalink statistics

-- Total of 3 flows:

Average throughput: 91.25 Mbit/s

95th percentile per-packet one-way delay: 71.795 ms

Loss rate: 13.56%

-- Flow 1:

Average throughput: 82.41 Mbit/s

95th percentile per-packet one-way delay: 71.646 ms

Loss rate: 13.10%

-- Flow 2:

Average throughput: 12.41 Mbit/s

95th percentile per-packet one-way delay: 72.802 ms

Loss rate: 17.83%

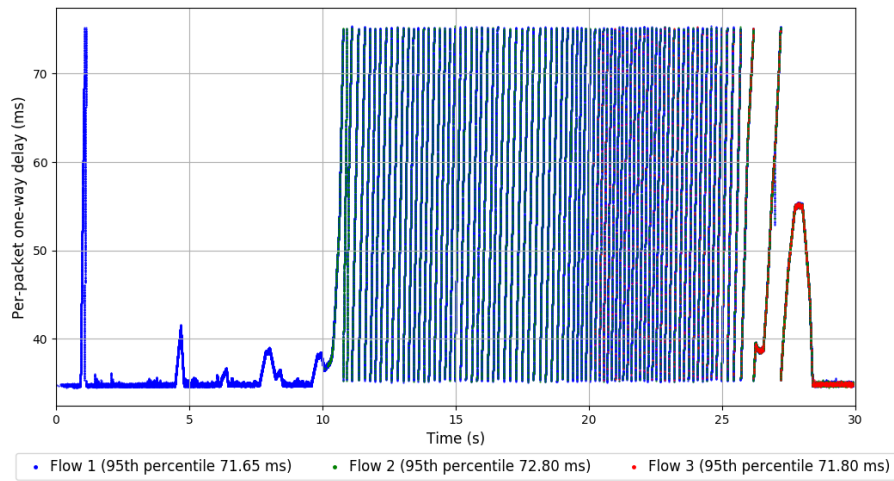
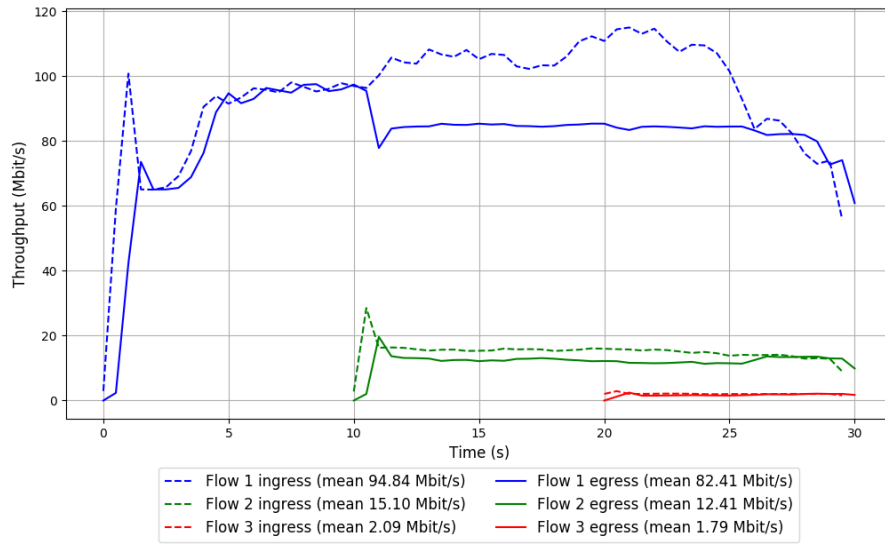
-- Flow 3:

Average throughput: 1.79 Mbit/s

95th percentile per-packet one-way delay: 71.795 ms

Loss rate: 14.27%

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



Run 5: Statistics of PCC-Allegro

Start at: 2019-09-18 11:56:02

End at: 2019-09-18 11:56:32

Local clock offset: 0.752 ms

Remote clock offset: 8.446 ms

# Below is generated by plot.py at 2019-09-18 12:24:40

# Datalink statistics

-- Total of 3 flows:

Average throughput: 89.50 Mbit/s

95th percentile per-packet one-way delay: 65.150 ms

Loss rate: 2.27%

-- Flow 1:

Average throughput: 81.07 Mbit/s

95th percentile per-packet one-way delay: 64.783 ms

Loss rate: 2.25%

-- Flow 2:

Average throughput: 8.25 Mbit/s

95th percentile per-packet one-way delay: 67.747 ms

Loss rate: 2.53%

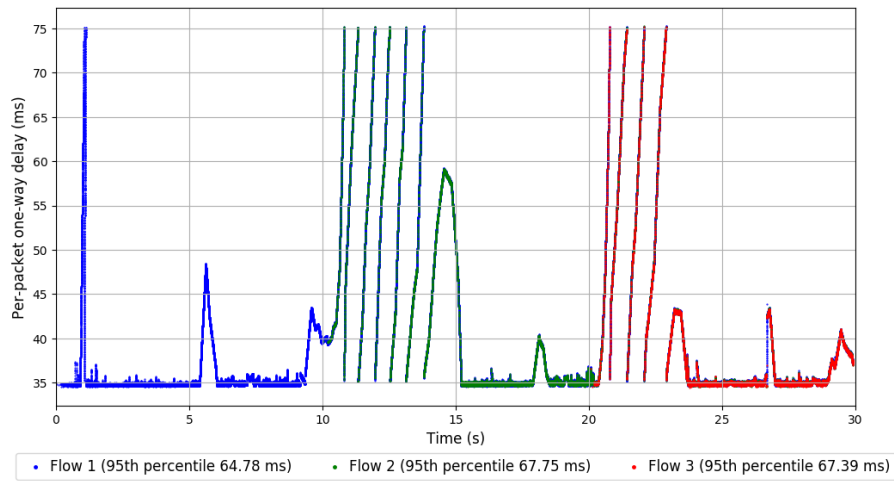
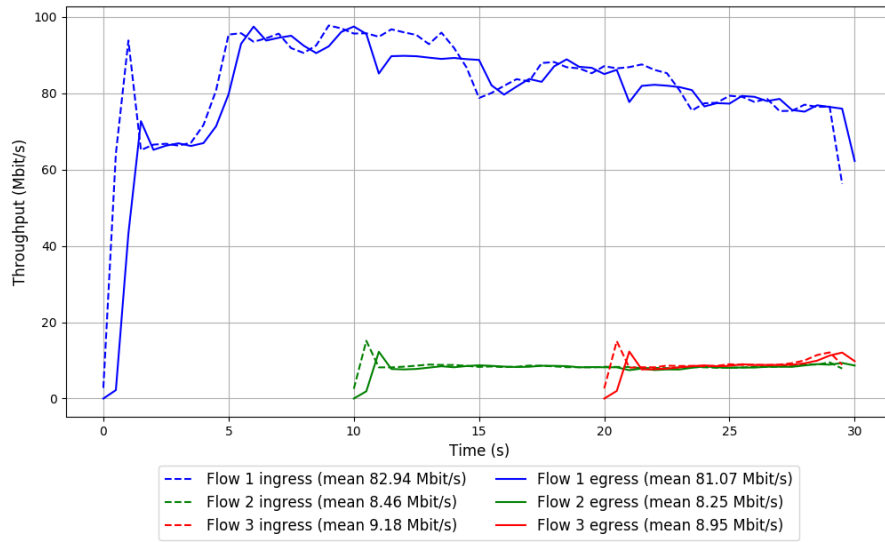
-- Flow 3:

Average throughput: 8.95 Mbit/s

95th percentile per-packet one-way delay: 67.389 ms

Loss rate: 2.51%

Run 5: Report of PCC-Allegro — Data Link



Run 1: Statistics of PCC-Expr

Start at: 2019-09-18 09:26:29

End at: 2019-09-18 09:26:59

Local clock offset: 5.082 ms

Remote clock offset: 8.18 ms

# Below is generated by plot.py at 2019-09-18 12:24:40

# Datalink statistics

-- Total of 3 flows:

Average throughput: 8.80 Mbit/s

95th percentile per-packet one-way delay: 34.978 ms

Loss rate: 36.13%

-- Flow 1:

Average throughput: 0.03 Mbit/s

95th percentile per-packet one-way delay: 34.891 ms

Loss rate: 85.71%

-- Flow 2:

Average throughput: 9.61 Mbit/s

95th percentile per-packet one-way delay: 34.969 ms

Loss rate: 38.96%

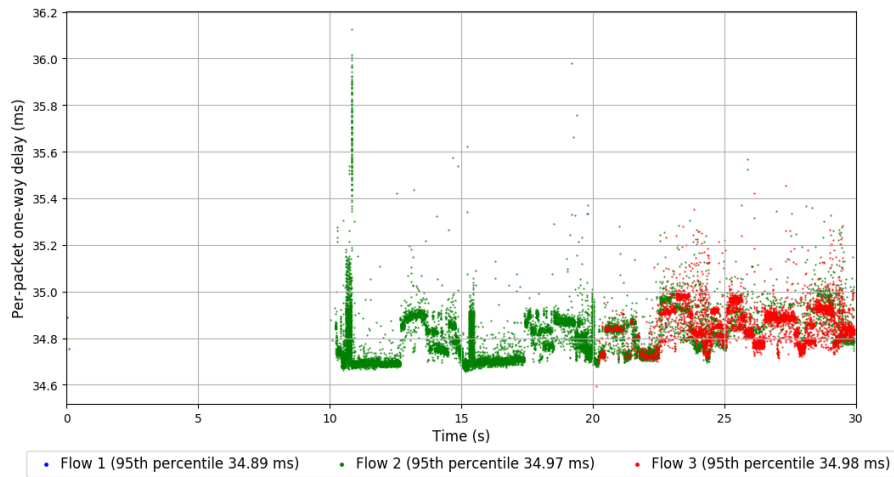
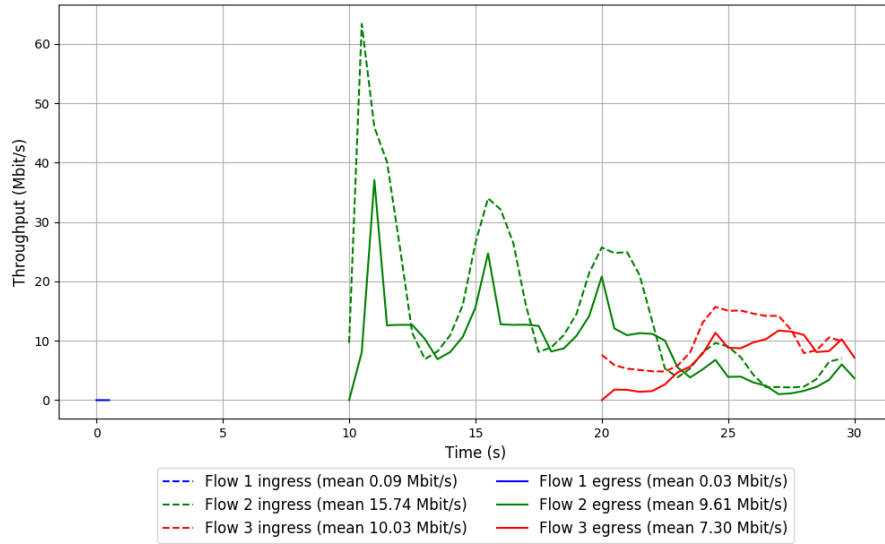
-- Flow 3:

Average throughput: 7.30 Mbit/s

95th percentile per-packet one-way delay: 34.984 ms

Loss rate: 27.16%

Run 1: Report of PCC-Expr — Data Link





Run 2: Statistics of PCC-Expr

Start at: 2019-09-18 10:02:49

End at: 2019-09-18 10:03:19

Local clock offset: 0.107 ms

Remote clock offset: 9.451 ms

# Below is generated by plot.py at 2019-09-18 12:24:40

# Datalink statistics

-- Total of 3 flows:

Average throughput: 8.80 Mbit/s

95th percentile per-packet one-way delay: 34.684 ms

Loss rate: 37.99%

-- Flow 1:

Average throughput: 0.03 Mbit/s

95th percentile per-packet one-way delay: 34.605 ms

Loss rate: 85.71%

-- Flow 2:

Average throughput: 9.57 Mbit/s

95th percentile per-packet one-way delay: 34.697 ms

Loss rate: 41.24%

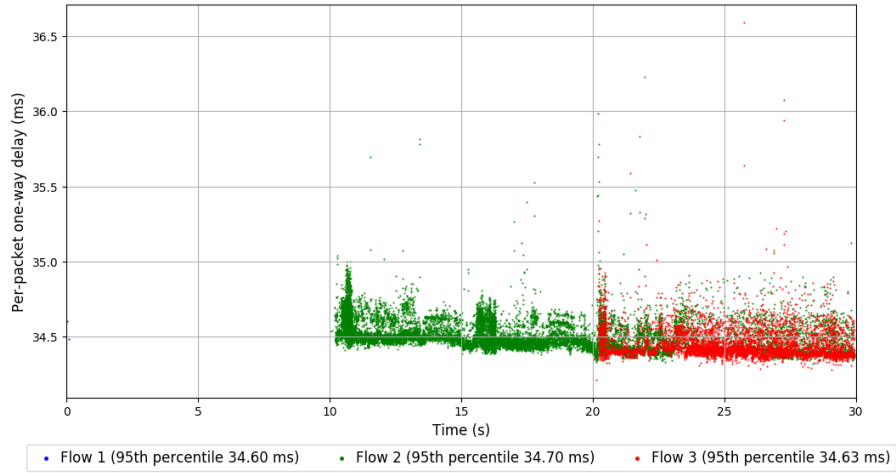
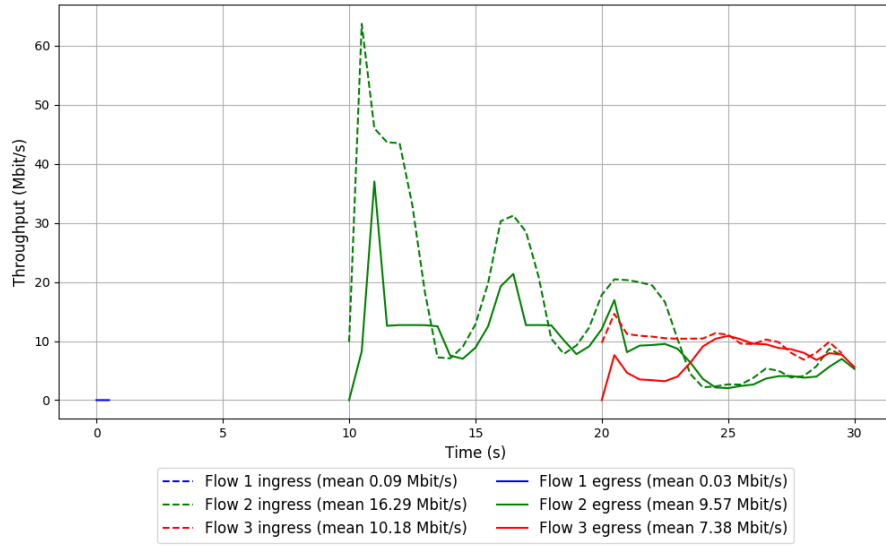
-- Flow 3:

Average throughput: 7.38 Mbit/s

95th percentile per-packet one-way delay: 34.627 ms

Loss rate: 27.50%

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



Run 3: Statistics of PCC-Expr

Start at: 2019-09-18 10:40:46

End at: 2019-09-18 10:41:16

Local clock offset: -3.208 ms

Remote clock offset: 8.144 ms

# Below is generated by plot.py at 2019-09-18 12:24:40

# Datalink statistics

-- Total of 3 flows:

Average throughput: 8.75 Mbit/s

95th percentile per-packet one-way delay: 34.871 ms

Loss rate: 39.31%

-- Flow 1:

Average throughput: 0.03 Mbit/s

95th percentile per-packet one-way delay: 34.756 ms

Loss rate: 85.71%

-- Flow 2:

Average throughput: 11.24 Mbit/s

95th percentile per-packet one-way delay: 34.868 ms

Loss rate: 38.55%

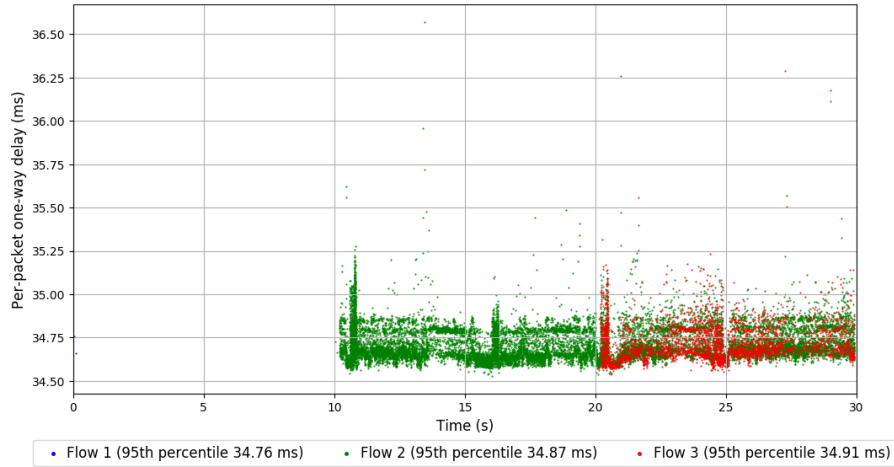
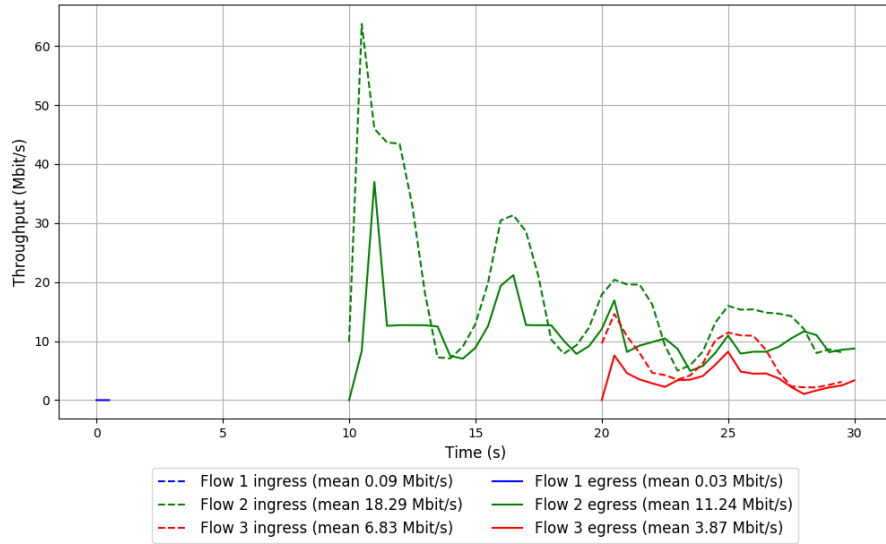
-- Flow 3:

Average throughput: 3.87 Mbit/s

95th percentile per-packet one-way delay: 34.905 ms

Loss rate: 43.40%

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



Run 4: Statistics of PCC-Expr

Start at: 2019-09-18 11:15:54

End at: 2019-09-18 11:16:24

Local clock offset: 0.134 ms

Remote clock offset: 8.964 ms

# Below is generated by plot.py at 2019-09-18 12:24:40

# Datalink statistics

-- Total of 3 flows:

Average throughput: 8.80 Mbit/s

95th percentile per-packet one-way delay: 34.970 ms

Loss rate: 45.49%

-- Flow 1:

Average throughput: 0.03 Mbit/s

95th percentile per-packet one-way delay: 34.834 ms

Loss rate: 85.71%

-- Flow 2:

Average throughput: 10.79 Mbit/s

95th percentile per-packet one-way delay: 34.949 ms

Loss rate: 43.69%

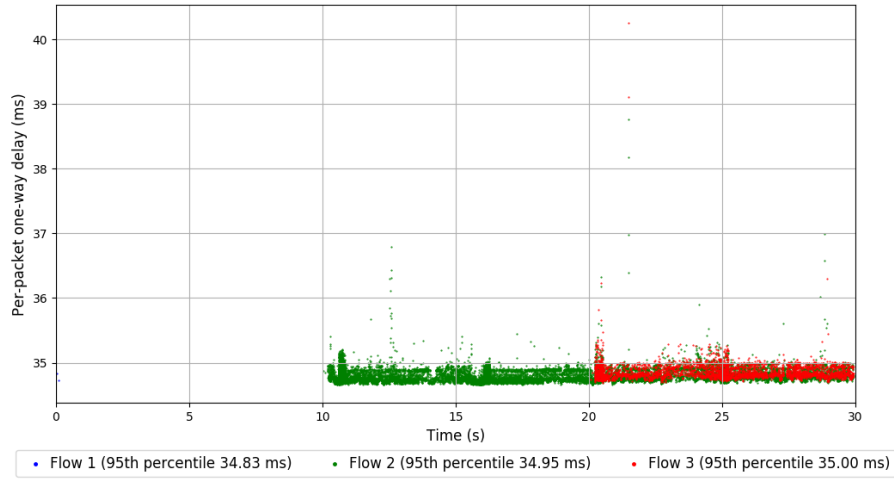
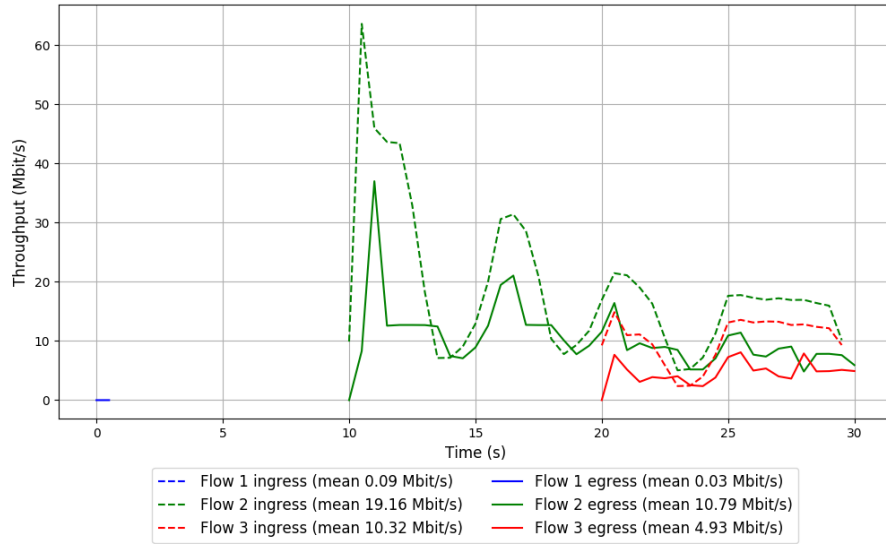
-- Flow 3:

Average throughput: 4.93 Mbit/s

95th percentile per-packet one-way delay: 35.004 ms

Loss rate: 52.23%

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



Run 5: Statistics of PCC-Expr

Start at: 2019-09-18 11:53:23

End at: 2019-09-18 11:53:53

Local clock offset: 0.74 ms

Remote clock offset: 8.408 ms

# Below is generated by plot.py at 2019-09-18 12:24:40

# Datalink statistics

-- Total of 3 flows:

Average throughput: 8.80 Mbit/s

95th percentile per-packet one-way delay: 34.779 ms

Loss rate: 50.04%

-- Flow 1:

Average throughput: 0.03 Mbit/s

95th percentile per-packet one-way delay: 34.651 ms

Loss rate: 85.71%

-- Flow 2:

Average throughput: 11.59 Mbit/s

95th percentile per-packet one-way delay: 34.767 ms

Loss rate: 51.25%

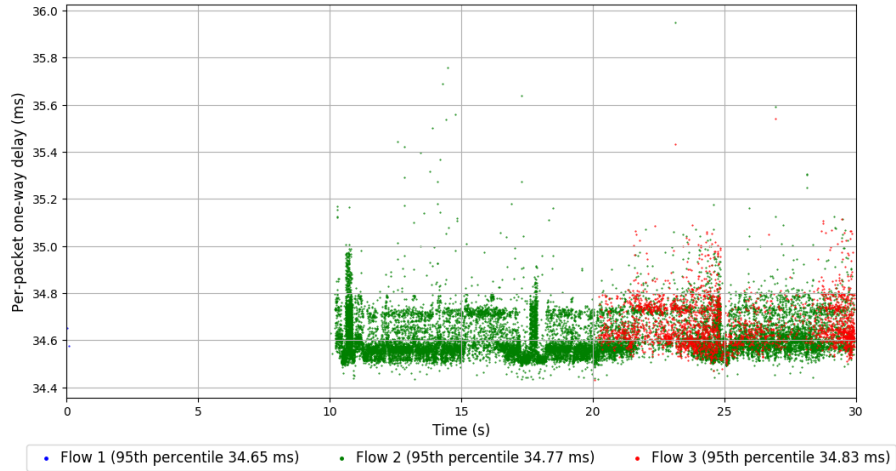
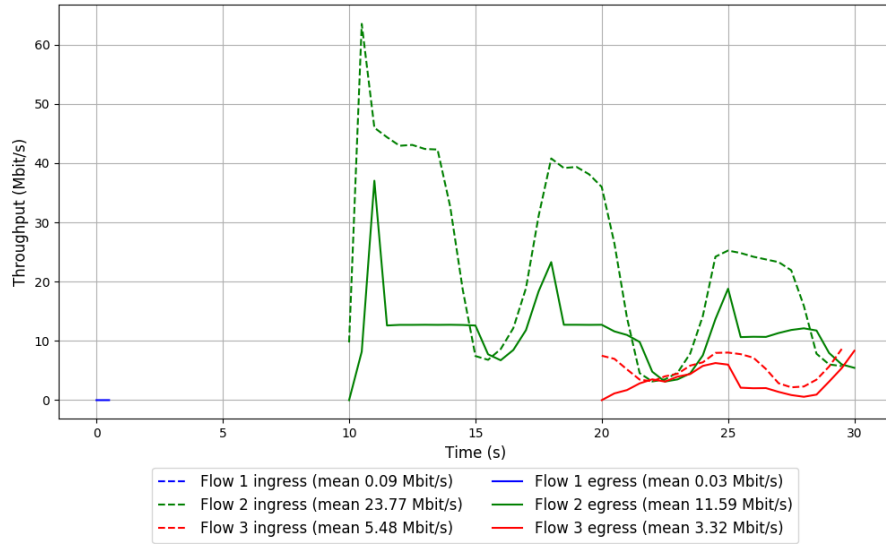
-- Flow 3:

Average throughput: 3.32 Mbit/s

95th percentile per-packet one-way delay: 34.832 ms

Loss rate: 39.51%

Run 5: Report of PCC-Expr — Data Link





Run 1: Statistics of QUIC Cubic

Start at: 2019-09-18 09:34:56

End at: 2019-09-18 09:35:26

Local clock offset: 3.677 ms

Remote clock offset: 8.418 ms

# Below is generated by plot.py at 2019-09-18 12:25:00

# Datalink statistics

-- Total of 3 flows:

Average throughput: 82.06 Mbit/s

95th percentile per-packet one-way delay: 70.987 ms

Loss rate: 2.49%

-- Flow 1:

Average throughput: 57.87 Mbit/s

95th percentile per-packet one-way delay: 70.931 ms

Loss rate: 3.05%

-- Flow 2:

Average throughput: 29.09 Mbit/s

95th percentile per-packet one-way delay: 71.152 ms

Loss rate: 1.26%

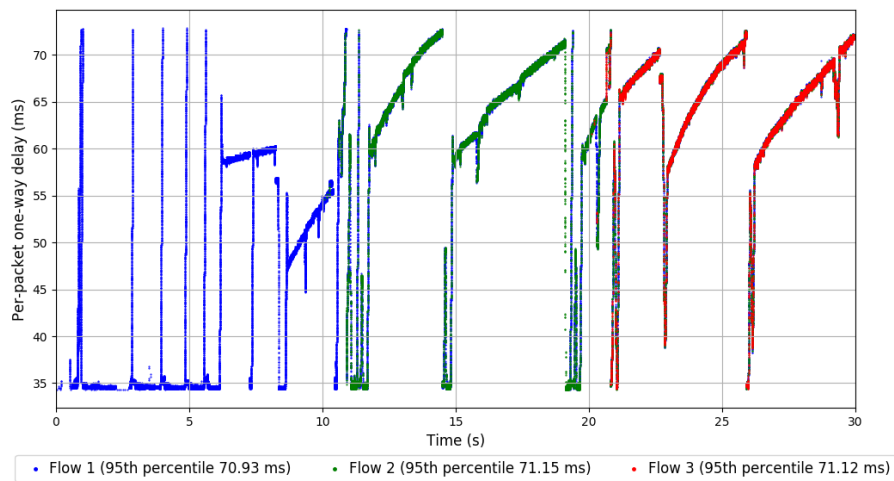
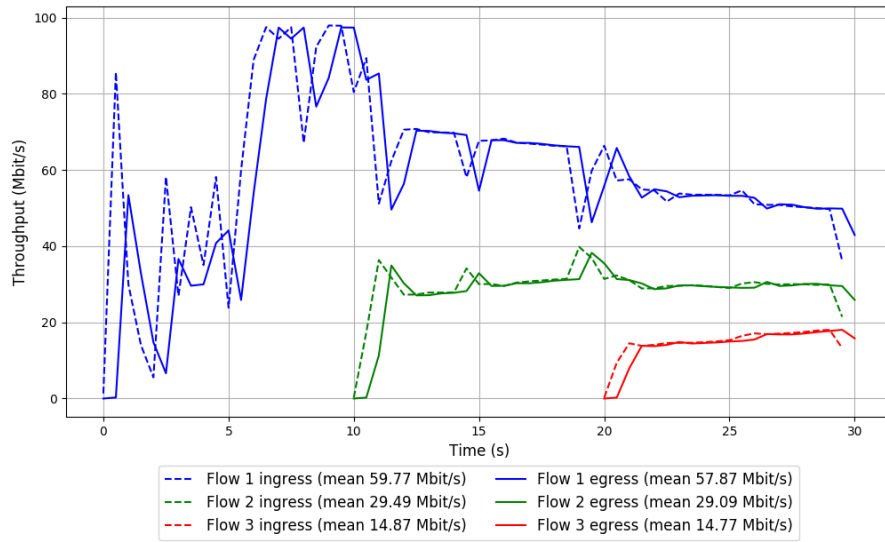
-- Flow 3:

Average throughput: 14.77 Mbit/s

95th percentile per-packet one-way delay: 71.121 ms

Loss rate: 0.54%

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



Run 2: Statistics of QUIC Cubic

Start at: 2019-09-18 10:11:34

End at: 2019-09-18 10:12:04

Local clock offset: -2.091 ms

Remote clock offset: 9.546 ms

# Below is generated by plot.py at 2019-09-18 12:25:05

# Datalink statistics

-- Total of 3 flows:

Average throughput: 82.03 Mbit/s

95th percentile per-packet one-way delay: 71.503 ms

Loss rate: 2.93%

-- Flow 1:

Average throughput: 54.97 Mbit/s

95th percentile per-packet one-way delay: 71.360 ms

Loss rate: 3.46%

-- Flow 2:

Average throughput: 26.70 Mbit/s

95th percentile per-packet one-way delay: 71.686 ms

Loss rate: 1.76%

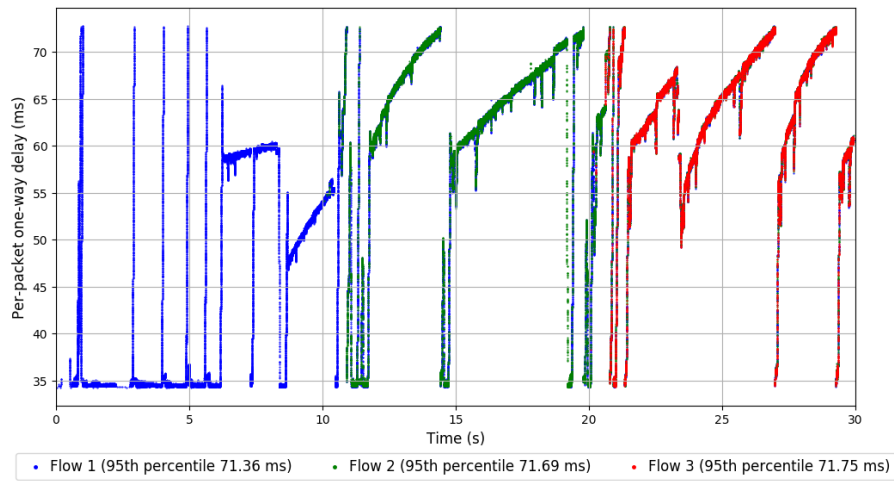
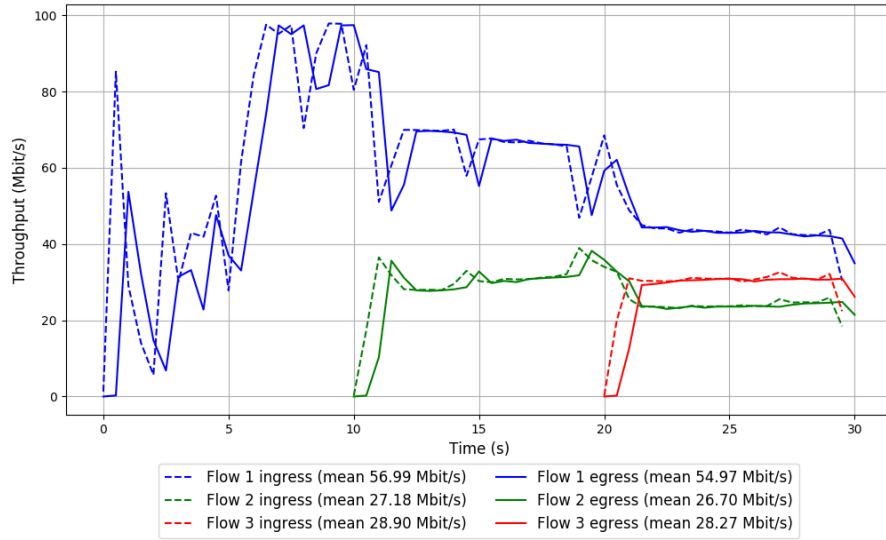
-- Flow 3:

Average throughput: 28.27 Mbit/s

95th percentile per-packet one-way delay: 71.754 ms

Loss rate: 1.95%

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



Run 3: Statistics of QUIC Cubic

Start at: 2019-09-18 10:49:21

End at: 2019-09-18 10:49:51

Local clock offset: -3.2 ms

Remote clock offset: 7.939 ms

# Below is generated by plot.py at 2019-09-18 12:25:06

# Datalink statistics

-- Total of 3 flows:

Average throughput: 81.88 Mbit/s

95th percentile per-packet one-way delay: 71.352 ms

Loss rate: 2.61%

-- Flow 1:

Average throughput: 61.64 Mbit/s

95th percentile per-packet one-way delay: 71.152 ms

Loss rate: 3.02%

-- Flow 2:

Average throughput: 24.58 Mbit/s

95th percentile per-packet one-way delay: 71.724 ms

Loss rate: 1.42%

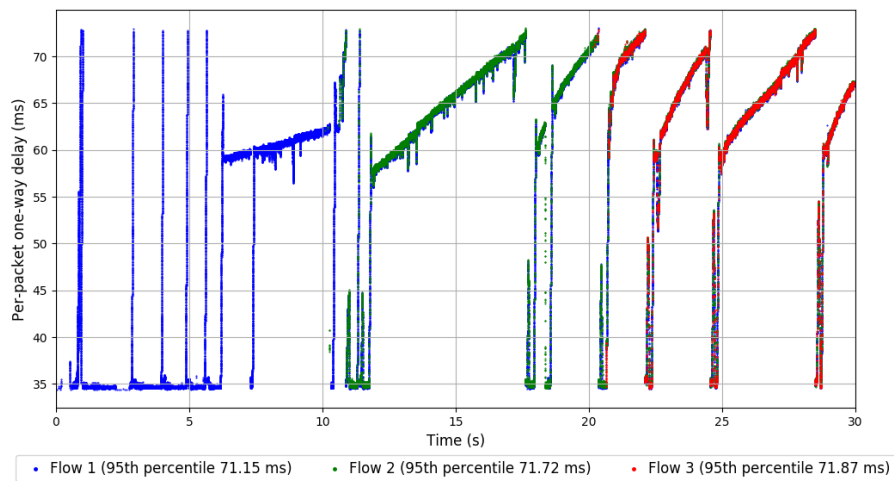
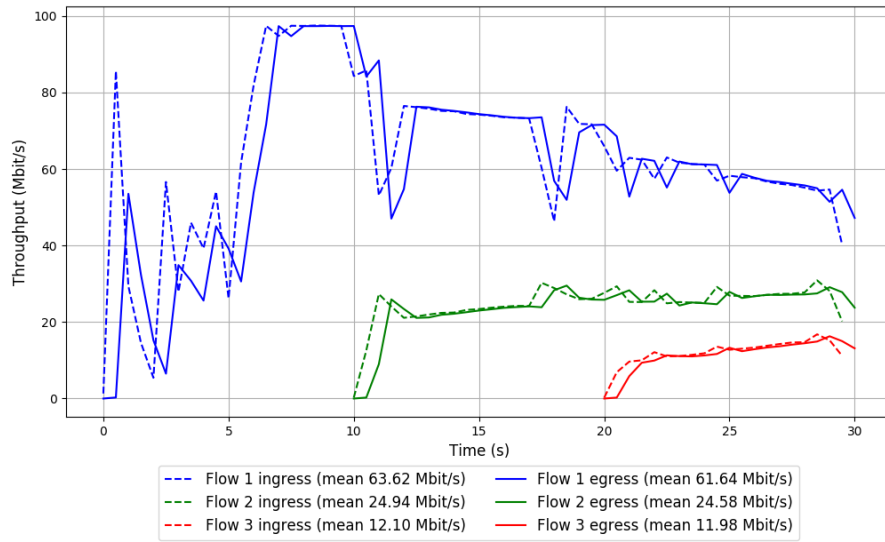
-- Flow 3:

Average throughput: 11.98 Mbit/s

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

Loss rate: 1.03%

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



Run 4: Statistics of QUIC Cubic

Start at: 2019-09-18 11:24:14

End at: 2019-09-18 11:24:44

Local clock offset: 0.837 ms

Remote clock offset: 9.059 ms

# Below is generated by plot.py at 2019-09-18 12:25:09

# Datalink statistics

-- Total of 3 flows:

Average throughput: 81.34 Mbit/s

95th percentile per-packet one-way delay: 71.557 ms

Loss rate: 2.47%

-- Flow 1:

Average throughput: 68.30 Mbit/s

95th percentile per-packet one-way delay: 71.536 ms

Loss rate: 2.70%

-- Flow 2:

Average throughput: 14.64 Mbit/s

95th percentile per-packet one-way delay: 71.666 ms

Loss rate: 1.13%

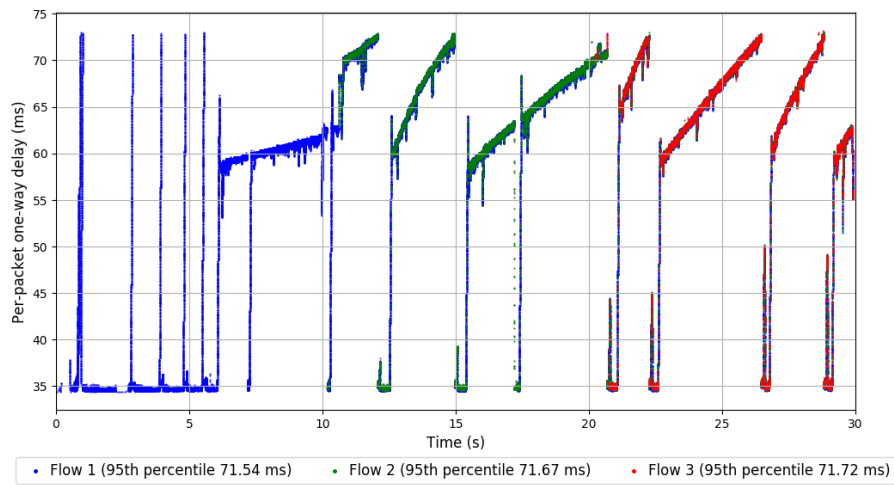
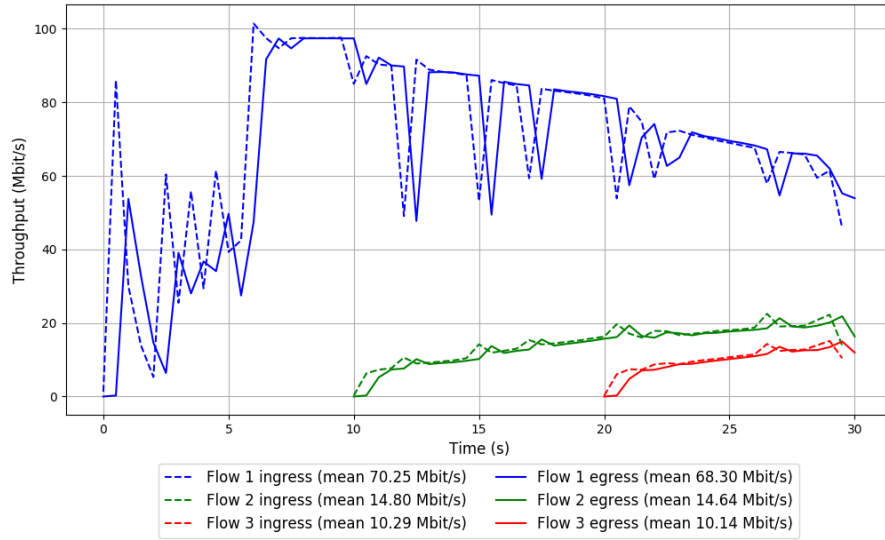
-- Flow 3:

Average throughput: 10.14 Mbit/s

95th percentile per-packet one-way delay: 71.716 ms

Loss rate: 1.60%

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





Run 5: Statistics of QUIC Cubic

Start at: 2019-09-18 12:01:40

End at: 2019-09-18 12:02:10

Local clock offset: 0.443 ms

Remote clock offset: 8.39 ms

# Below is generated by plot.py at 2019-09-18 12:25:35

# Datalink statistics

-- Total of 3 flows:

Average throughput: 88.16 Mbit/s

95th percentile per-packet one-way delay: 70.934 ms

Loss rate: 1.50%

-- Flow 1:

Average throughput: 67.36 Mbit/s

95th percentile per-packet one-way delay: 70.976 ms

Loss rate: 1.72%

-- Flow 2:

Average throughput: 26.86 Mbit/s

95th percentile per-packet one-way delay: 70.875 ms

Loss rate: 0.80%

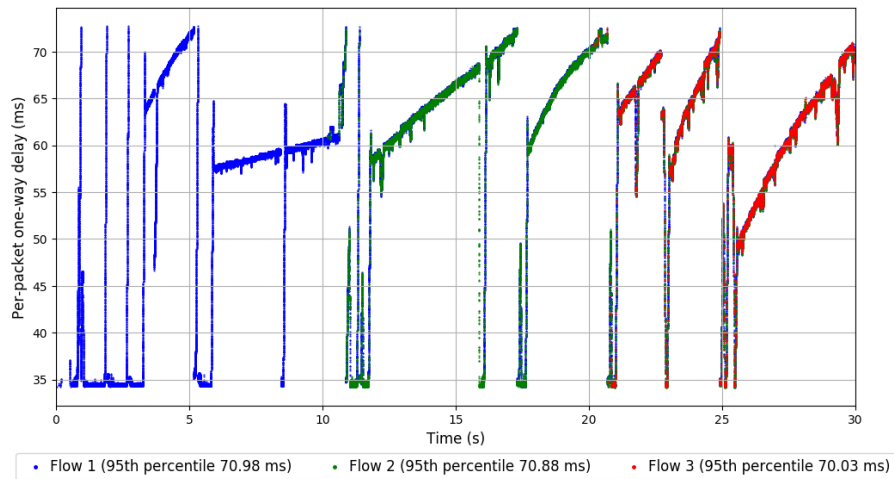
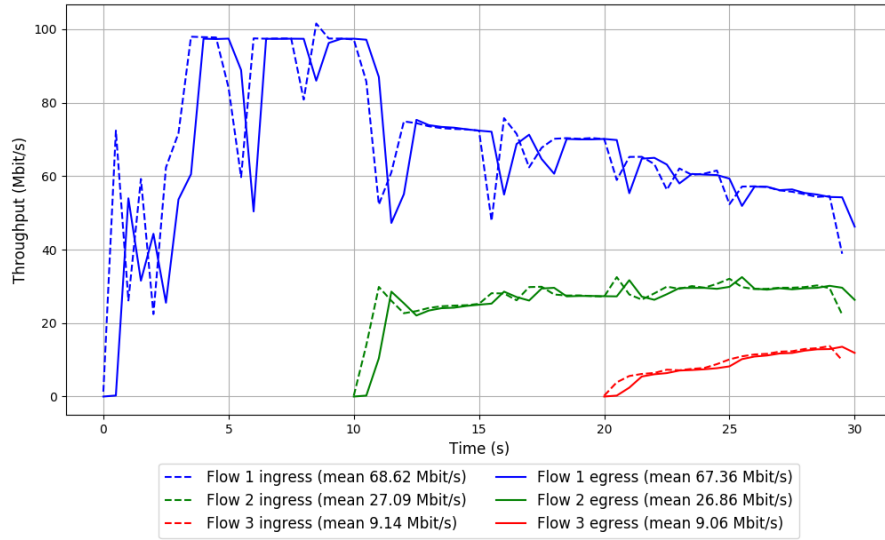
-- Flow 3:

Average throughput: 9.06 Mbit/s

95th percentile per-packet one-way delay: 70.030 ms

Loss rate: 0.87%

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



Run 1: Statistics of SCReAM

Start at: 2019-09-18 09:15:14

End at: 2019-09-18 09:15:44

Local clock offset: 1.881 ms

Remote clock offset: 7.701 ms

# Below is generated by plot.py at 2019-09-18 12:25:35

# Datalink statistics

-- Total of 3 flows:

Average throughput: 0.43 Mbit/s

95th percentile per-packet one-way delay: 35.088 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 35.081 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 35.082 ms

Loss rate: 0.00%

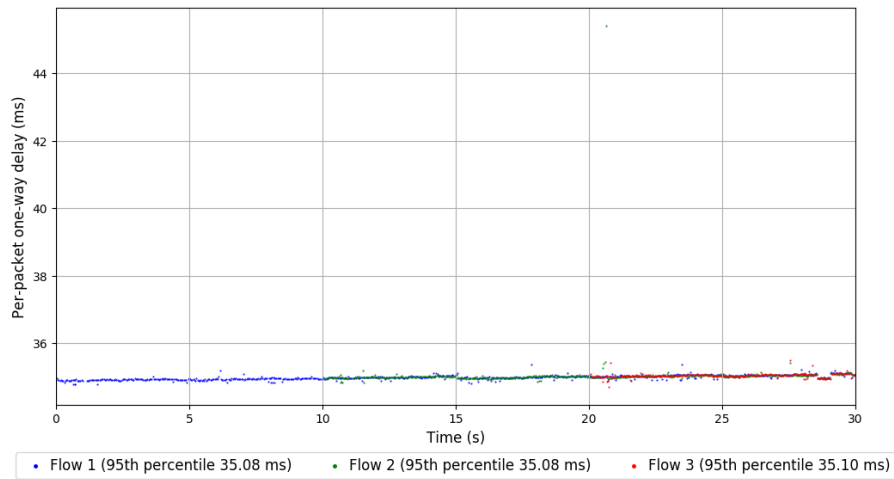
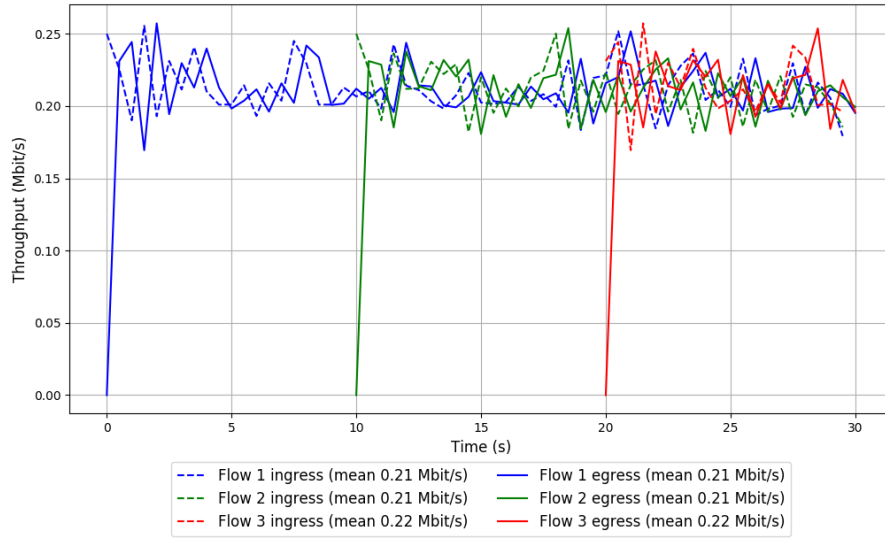
-- Flow 3:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 35.101 ms

Loss rate: 0.00%

Run 1: Report of SCReAM — Data Link



Run 2: Statistics of SCReAM

Start at: 2019-09-18 09:51:42

End at: 2019-09-18 09:52:12

Local clock offset: 1.196 ms

Remote clock offset: 8.9 ms

# Below is generated by plot.py at 2019-09-18 12:25:35

# Datalink statistics

-- Total of 3 flows:

Average throughput: 0.43 Mbit/s

95th percentile per-packet one-way delay: 34.681 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 34.626 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 34.609 ms

Loss rate: 0.00%

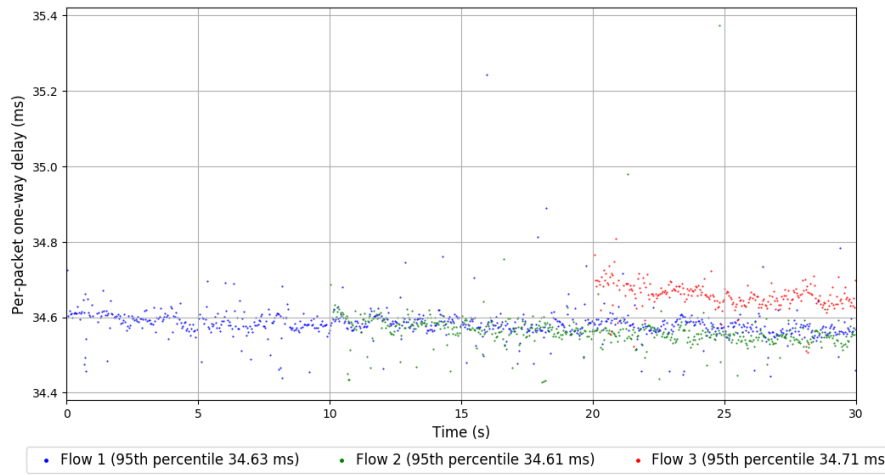
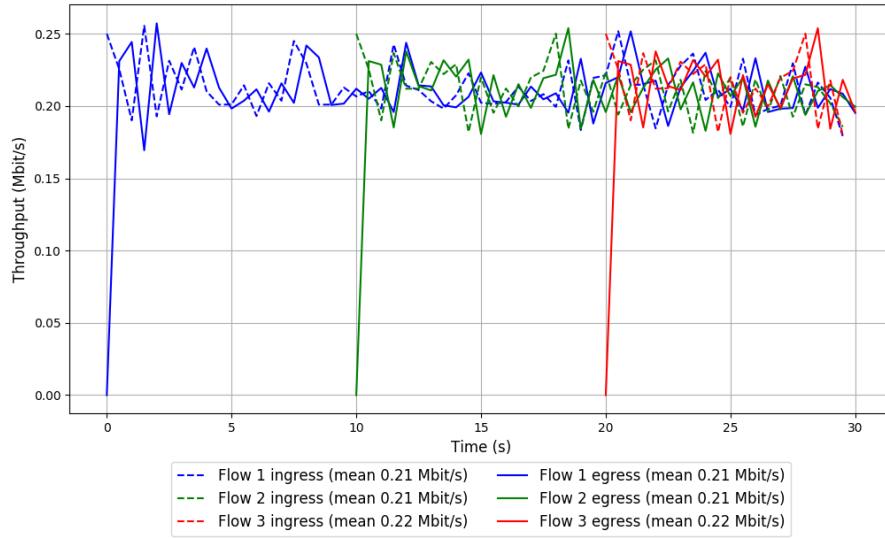
-- Flow 3:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 34.707 ms

Loss rate: 0.00%

Run 2: Report of SCReAM — Data Link



Run 3: Statistics of SCReAM

Start at: 2019-09-18 10:29:11

End at: 2019-09-18 10:29:41

Local clock offset: -3.606 ms

Remote clock offset: 8.806 ms

# Below is generated by plot.py at 2019-09-18 12:25:35

# Datalink statistics

-- Total of 3 flows:

Average throughput: 0.43 Mbit/s

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

Loss rate: 0.00%

-- Flow 1:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 34.816 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 34.745 ms

Loss rate: 0.00%

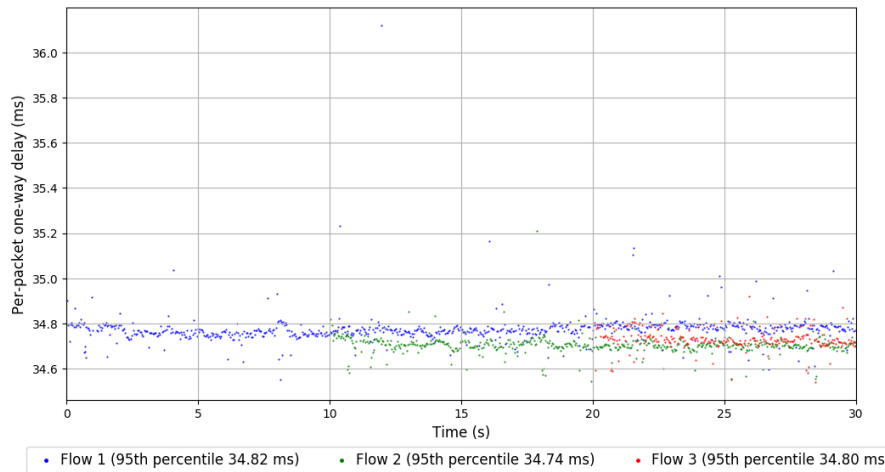
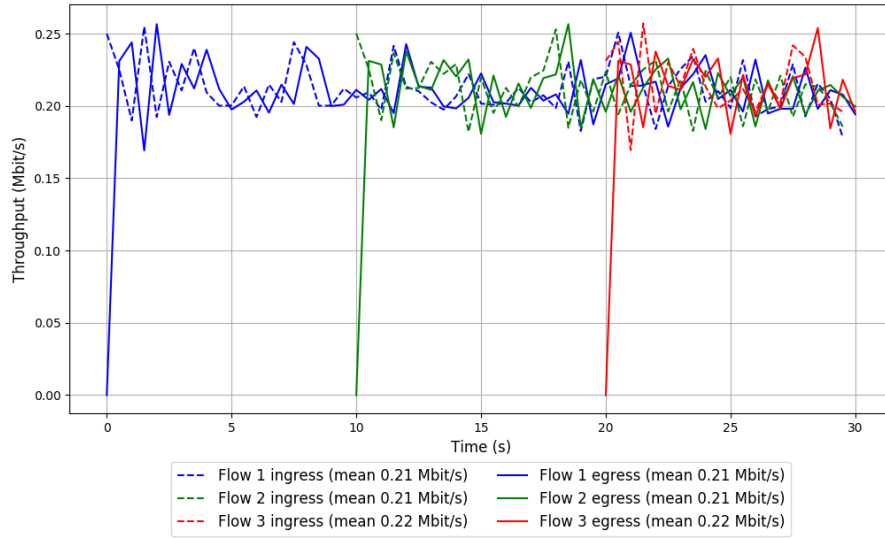
-- Flow 3:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 34.805 ms

Loss rate: 0.00%

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





Run 4: Statistics of SCReAM

Start at: 2019-09-18 11:05:10

End at: 2019-09-18 11:05:40

Local clock offset: -1.792 ms

Remote clock offset: 8.541 ms

# Below is generated by plot.py at 2019-09-18 12:25:35

# Datalink statistics

-- Total of 3 flows:

Average throughput: 0.43 Mbit/s

95th percentile per-packet one-way delay: 35.070 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 34.997 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 35.053 ms

Loss rate: 0.00%

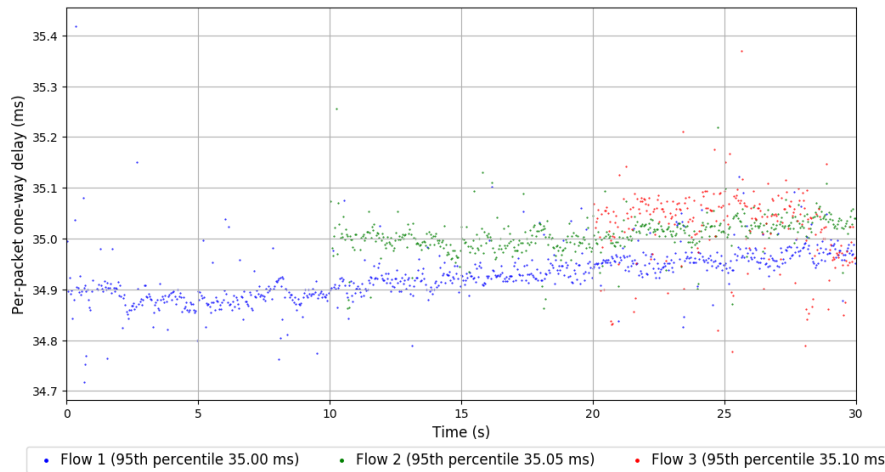
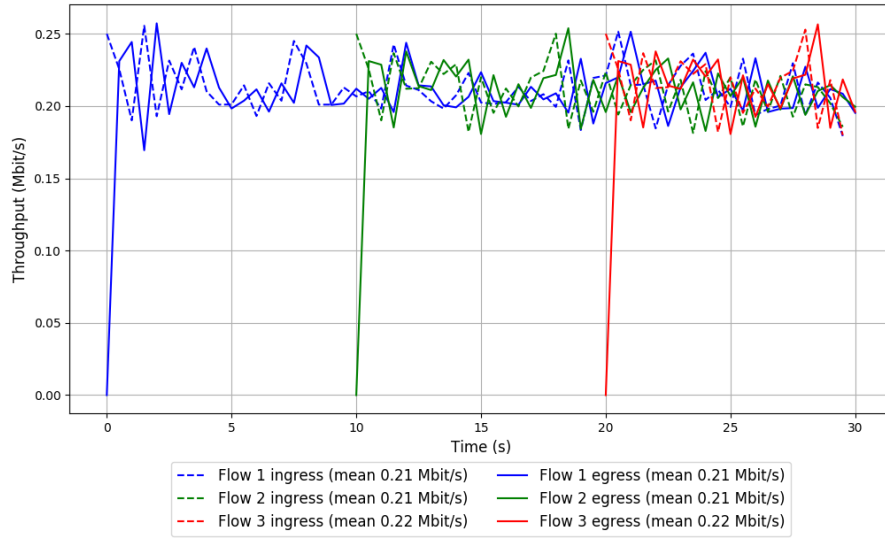
-- Flow 3:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 35.096 ms

Loss rate: 0.00%

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



Run 5: Statistics of SCReAM

Start at: 2019-09-18 11:42:09

End at: 2019-09-18 11:42:39

Local clock offset: 0.687 ms

Remote clock offset: 8.516 ms

# Below is generated by plot.py at 2019-09-18 12:25:35

# Datalink statistics

-- Total of 3 flows:

Average throughput: 0.43 Mbit/s

95th percentile per-packet one-way delay: 34.715 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 34.722 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 34.714 ms

Loss rate: 0.00%

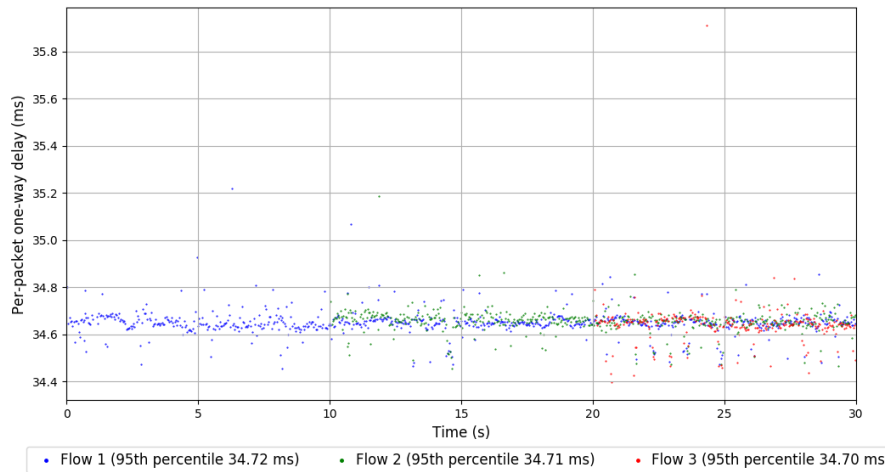
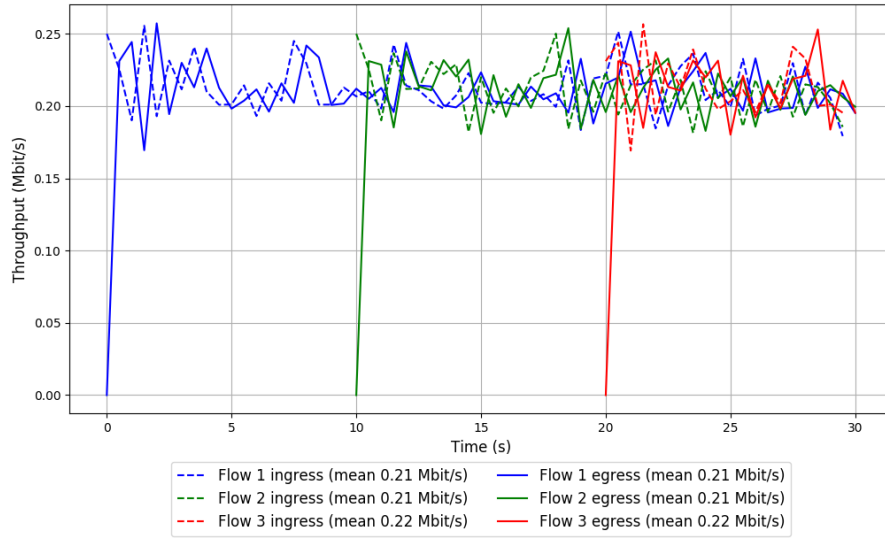
-- Flow 3:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 34.702 ms

Loss rate: 0.00%

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



Run 1: Statistics of Sprout

Start at: 2019-09-18 09:11:13

End at: 2019-09-18 09:11:43

Local clock offset: -0.253 ms

Remote clock offset: 7.48 ms

# Below is generated by plot.py at 2019-09-18 12:25:35

# Datalink statistics

-- Total of 3 flows:

Average throughput: 23.36 Mbit/s

95th percentile per-packet one-way delay: 41.361 ms

Loss rate: 0.02%

-- Flow 1:

Average throughput: 11.81 Mbit/s

95th percentile per-packet one-way delay: 41.450 ms

Loss rate: 0.04%

-- Flow 2:

Average throughput: 11.70 Mbit/s

95th percentile per-packet one-way delay: 41.531 ms

Loss rate: 0.00%

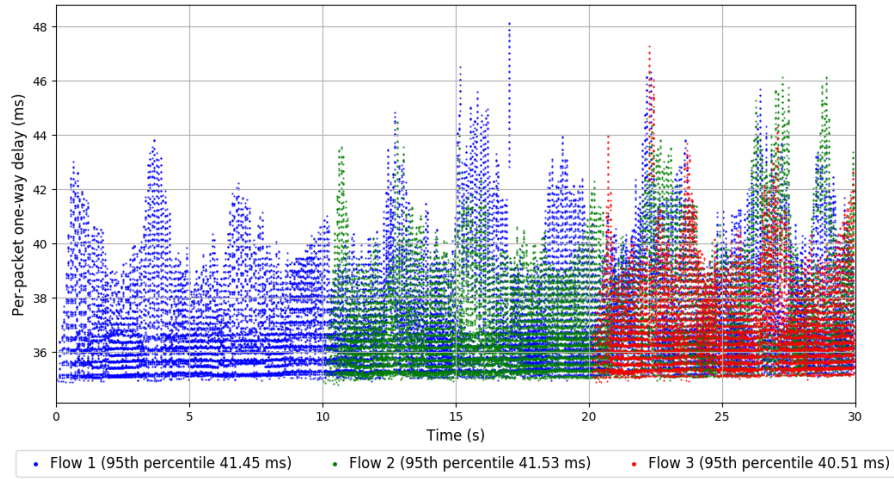
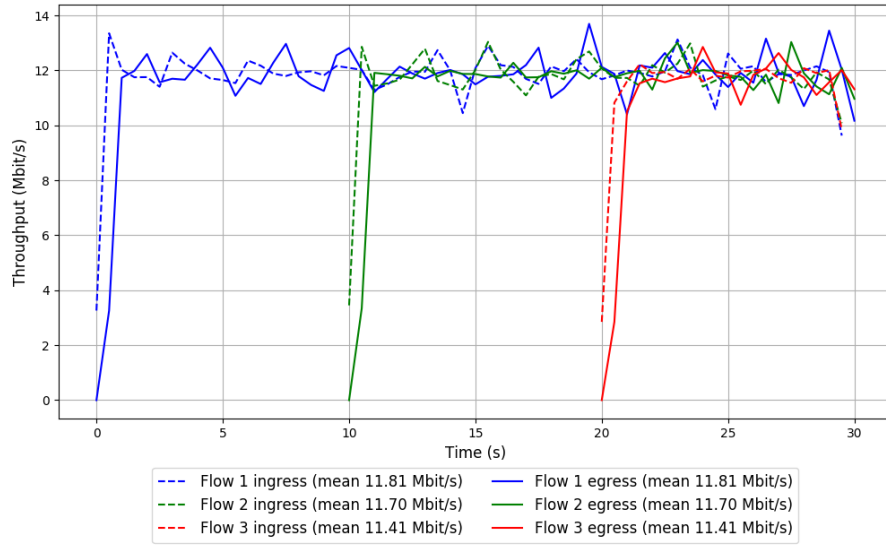
-- Flow 3:

Average throughput: 11.41 Mbit/s

95th percentile per-packet one-way delay: 40.509 ms

Loss rate: 0.00%

Run 1: Report of Sprout — Data Link



Run 2: Statistics of Sprout

Start at: 2019-09-18 09:47:35

End at: 2019-09-18 09:48:05

Local clock offset: 1.36 ms

Remote clock offset: 8.737 ms

# Below is generated by plot.py at 2019-09-18 12:25:35

# Datalink statistics

-- Total of 3 flows:

Average throughput: 23.38 Mbit/s

95th percentile per-packet one-way delay: 40.847 ms

Loss rate: 0.04%

-- Flow 1:

Average throughput: 11.80 Mbit/s

95th percentile per-packet one-way delay: 40.887 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 11.69 Mbit/s

95th percentile per-packet one-way delay: 40.846 ms

Loss rate: 0.00%

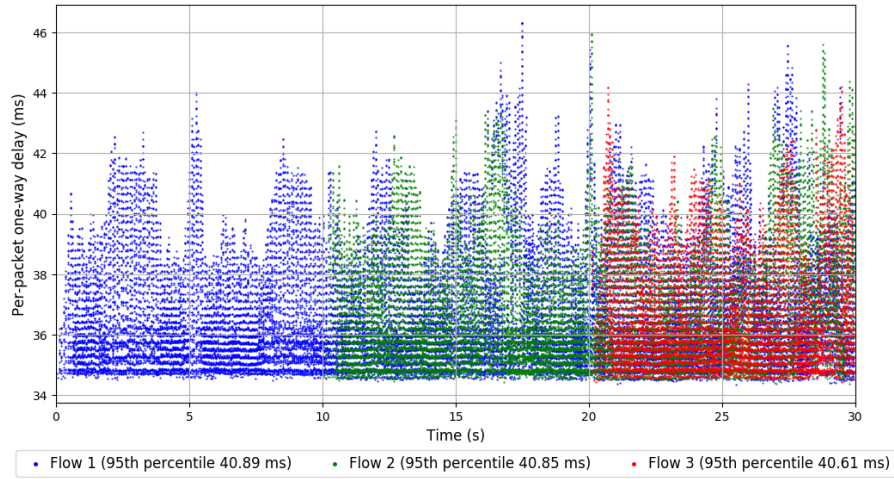
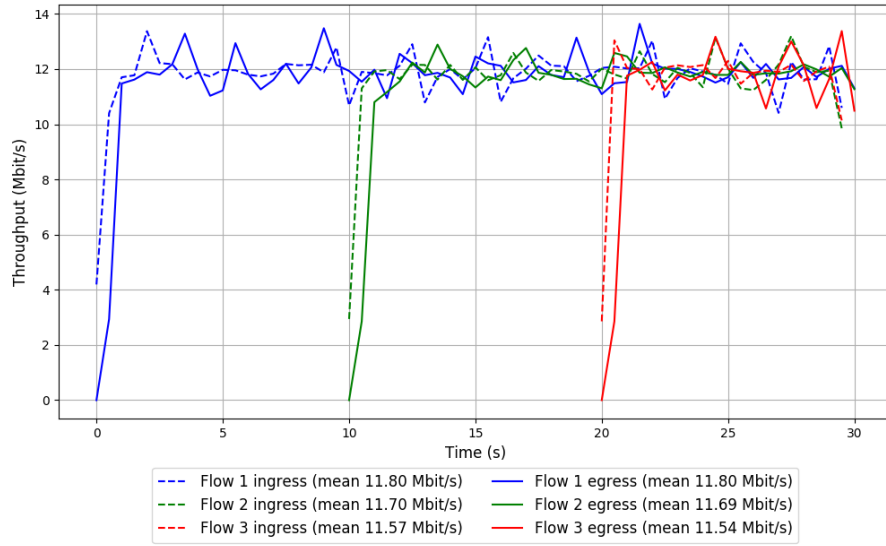
-- Flow 3:

Average throughput: 11.54 Mbit/s

95th percentile per-packet one-way delay: 40.609 ms

Loss rate: 0.23%

## Run 2: Report of Sprout — Data Link





Run 3: Statistics of Sprout

Start at: 2019-09-18 10:25:06

End at: 2019-09-18 10:25:36

Local clock offset: -3.436 ms

Remote clock offset: 9.261 ms

# Below is generated by plot.py at 2019-09-18 12:25:35

# Datalink statistics

-- Total of 3 flows:

Average throughput: 23.34 Mbit/s

95th percentile per-packet one-way delay: 40.811 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 11.75 Mbit/s

95th percentile per-packet one-way delay: 40.706 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 11.69 Mbit/s

95th percentile per-packet one-way delay: 40.598 ms

Loss rate: 0.00%

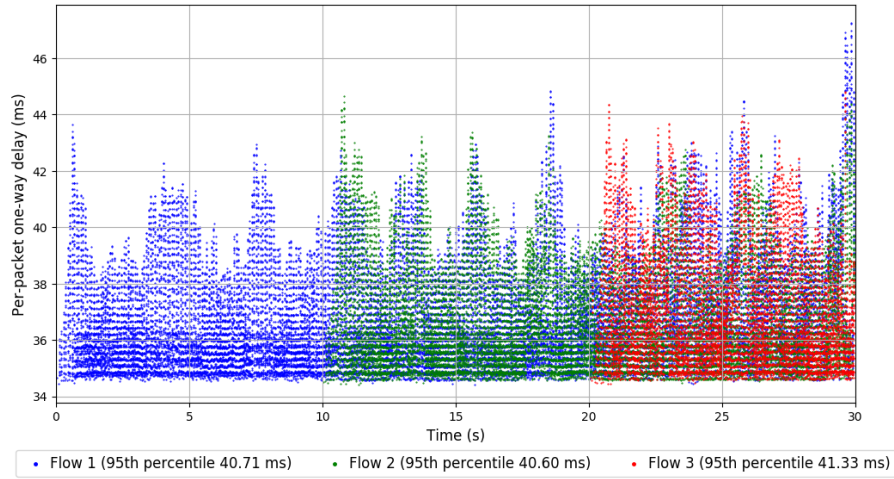
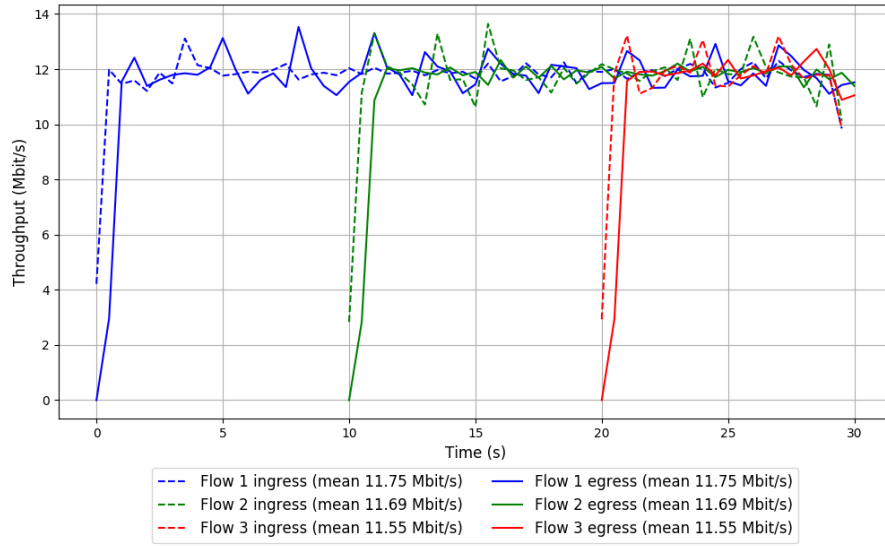
-- Flow 3:

Average throughput: 11.55 Mbit/s

95th percentile per-packet one-way delay: 41.331 ms

Loss rate: 0.00%

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



Run 4: Statistics of Sprout

Start at: 2019-09-18 11:01:03

End at: 2019-09-18 11:01:33

Local clock offset: -3.138 ms

Remote clock offset: 8.243 ms

# Below is generated by plot.py at 2019-09-18 12:25:35

# Datalink statistics

-- Total of 3 flows:

Average throughput: 23.30 Mbit/s

95th percentile per-packet one-way delay: 41.301 ms

Loss rate: 0.01%

-- Flow 1:

Average throughput: 11.74 Mbit/s

95th percentile per-packet one-way delay: 41.138 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 11.71 Mbit/s

95th percentile per-packet one-way delay: 41.280 ms

Loss rate: 0.02%

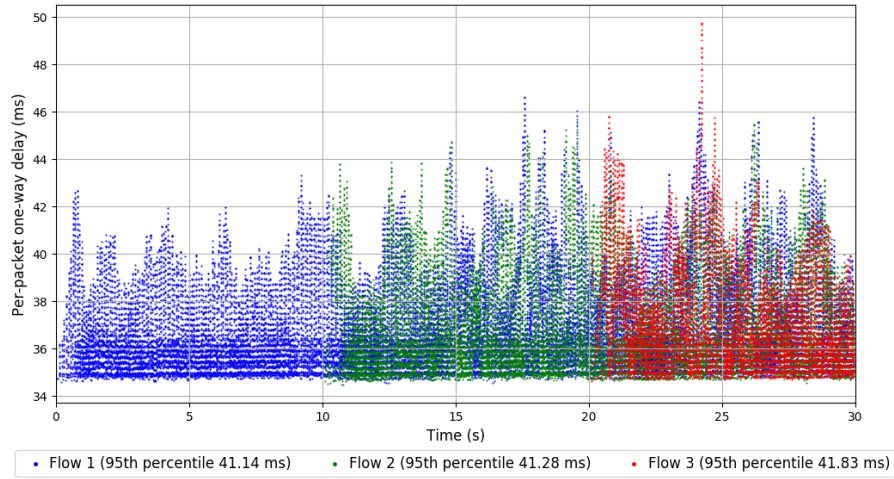
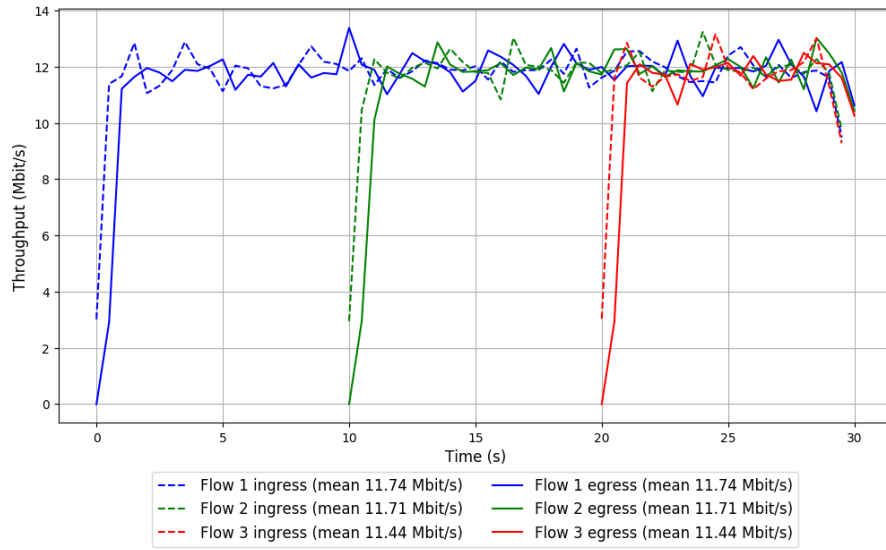
-- Flow 3:

Average throughput: 11.44 Mbit/s

95th percentile per-packet one-way delay: 41.826 ms

Loss rate: 0.00%

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



Run 5: Statistics of Sprout

Start at: 2019-09-18 11:38:24

End at: 2019-09-18 11:38:54

Local clock offset: 0.761 ms

Remote clock offset: 8.633 ms

# Below is generated by plot.py at 2019-09-18 12:25:35

# Datalink statistics

-- Total of 3 flows:

Average throughput: 23.38 Mbit/s

95th percentile per-packet one-way delay: 40.900 ms

Loss rate: 0.09%

-- Flow 1:

Average throughput: 11.79 Mbit/s

95th percentile per-packet one-way delay: 40.697 ms

Loss rate: 0.12%

-- Flow 2:

Average throughput: 11.72 Mbit/s

95th percentile per-packet one-way delay: 40.899 ms

Loss rate: 0.11%

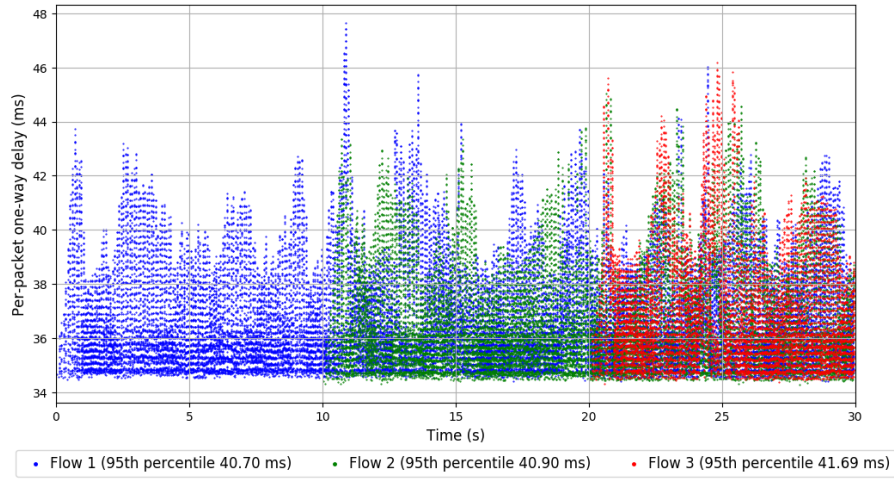
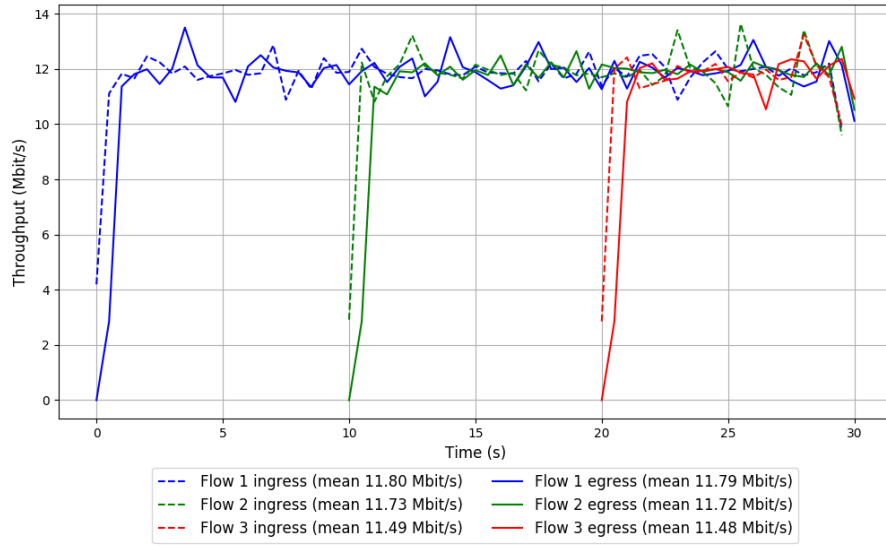
-- Flow 3:

Average throughput: 11.48 Mbit/s

95th percentile per-packet one-way delay: 41.687 ms

Loss rate: 0.00%

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



Run 1: Statistics of TaoVA-100x

Start at: 2019-09-18 09:38:07

End at: 2019-09-18 09:38:37

Local clock offset: 2.693 ms

Remote clock offset: 8.448 ms

# Below is generated by plot.py at 2019-09-18 12:25:35

# Datalink statistics

-- Total of 3 flows:

Average throughput: 8.57 Mbit/s

95th percentile per-packet one-way delay: 34.629 ms

Loss rate: 93.86%

-- Flow 1:

Average throughput: 0.00 Mbit/s

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

Loss rate: 95.92%

-- Flow 2:

Average throughput: 9.11 Mbit/s

95th percentile per-packet one-way delay: 35.662 ms

Loss rate: 91.44%

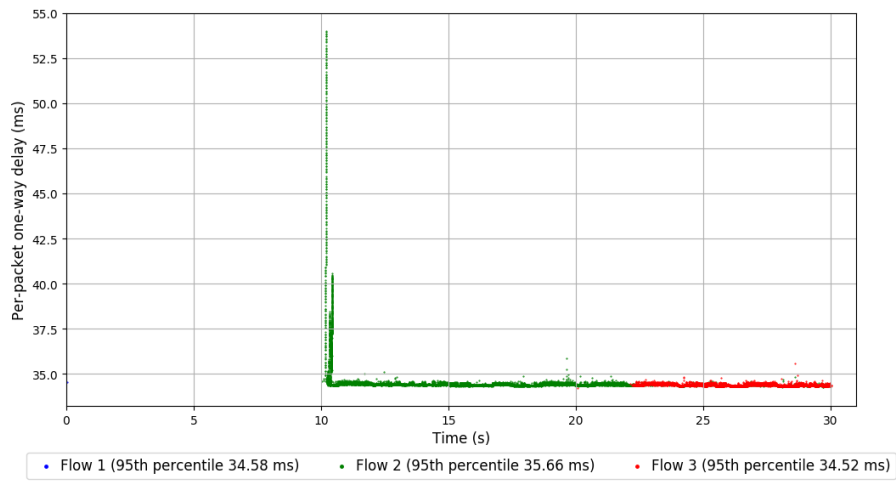
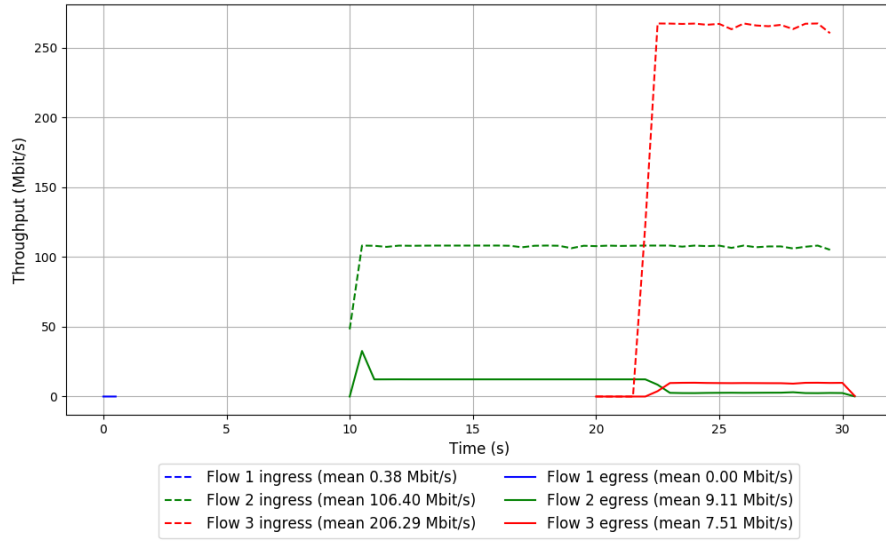
-- Flow 3:

Average throughput: 7.51 Mbit/s

95th percentile per-packet one-way delay: 34.516 ms

Loss rate: 96.36%

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





Run 2: Statistics of TaoVA-100x

Start at: 2019-09-18 10:14:52

End at: 2019-09-18 10:15:22

Local clock offset: -2.577 ms

Remote clock offset: 9.714 ms

# Below is generated by plot.py at 2019-09-18 12:25:35

# Datalink statistics

-- Total of 3 flows:

Average throughput: 8.31 Mbit/s

95th percentile per-packet one-way delay: 36.795 ms

Loss rate: 84.23%

-- Flow 1:

Average throughput: 0.00 Mbit/s

95th percentile per-packet one-way delay: 34.670 ms

Loss rate: 95.92%

-- Flow 2:

Average throughput: 6.82 Mbit/s

95th percentile per-packet one-way delay: 36.639 ms

Loss rate: 83.40%

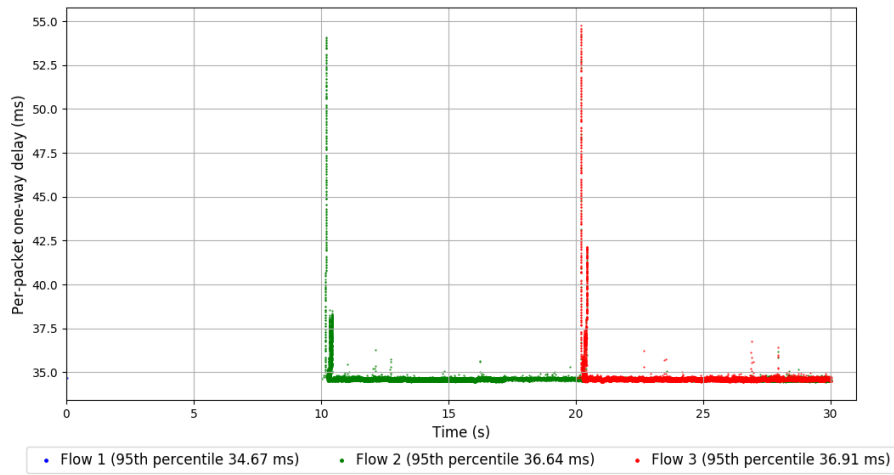
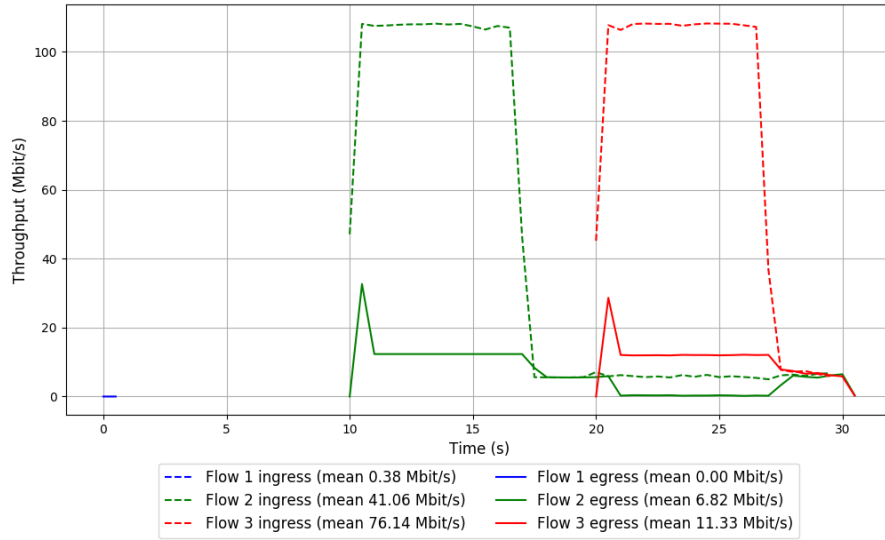
-- Flow 3:

Average throughput: 11.33 Mbit/s

95th percentile per-packet one-way delay: 36.911 ms

Loss rate: 85.12%

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



Run 3: Statistics of TaoVA-100x

Start at: 2019-09-18 10:52:26

End at: 2019-09-18 10:52:56

Local clock offset: -3.251 ms

Remote clock offset: 7.819 ms

# Below is generated by plot.py at 2019-09-18 12:25:40

# Datalink statistics

-- Total of 3 flows:

Average throughput: 8.57 Mbit/s

95th percentile per-packet one-way delay: 34.864 ms

Loss rate: 94.54%

-- Flow 1:

Average throughput: 0.00 Mbit/s

95th percentile per-packet one-way delay: 34.691 ms

Loss rate: 95.92%

-- Flow 2:

Average throughput: 8.16 Mbit/s

95th percentile per-packet one-way delay: 36.231 ms

Loss rate: 92.32%

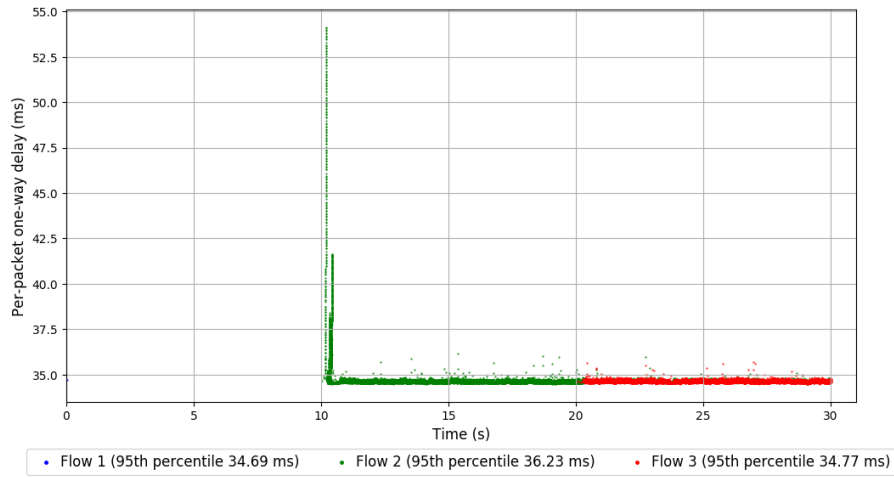
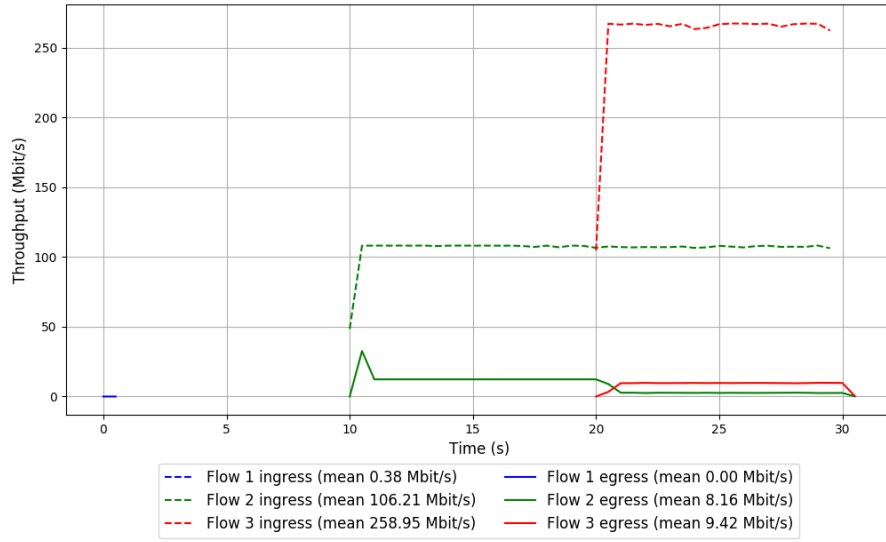
-- Flow 3:

Average throughput: 9.42 Mbit/s

95th percentile per-packet one-way delay: 34.771 ms

Loss rate: 96.36%

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



Run 4: Statistics of TaoVA-100x

Start at: 2019-09-18 11:27:52

End at: 2019-09-18 11:28:22

Local clock offset: 1.024 ms

Remote clock offset: 9.154 ms

# Below is generated by plot.py at 2019-09-18 12:25:40

# Datalink statistics

-- Total of 3 flows:

Average throughput: 8.57 Mbit/s

95th percentile per-packet one-way delay: 35.793 ms

Loss rate: 84.90%

-- Flow 1:

Average throughput: 0.00 Mbit/s

95th percentile per-packet one-way delay: 34.724 ms

Loss rate: 95.92%

-- Flow 2:

Average throughput: 10.48 Mbit/s

95th percentile per-packet one-way delay: 35.584 ms

Loss rate: 86.35%

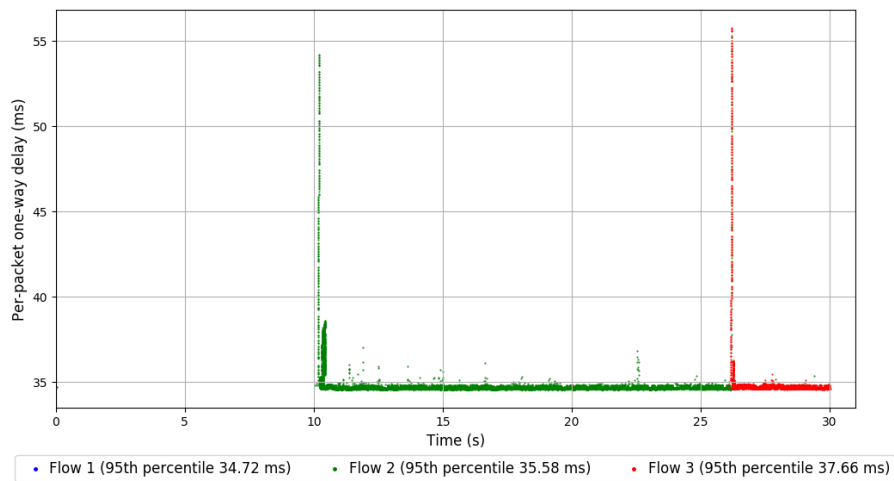
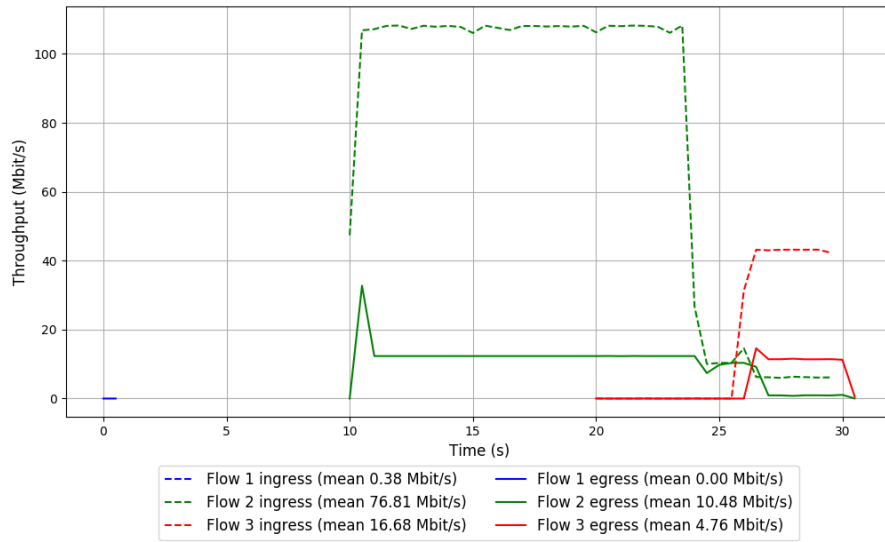
-- Flow 3:

Average throughput: 4.76 Mbit/s

95th percentile per-packet one-way delay: 37.665 ms

Loss rate: 71.44%

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



Run 5: Statistics of TaoVA-100x

Start at: 2019-09-18 12:05:14

End at: 2019-09-18 12:05:44

Local clock offset: -0.773 ms

Remote clock offset: 8.431 ms

# Below is generated by plot.py at 2019-09-18 12:25:40

# Datalink statistics

-- Total of 3 flows:

Average throughput: 8.57 Mbit/s

95th percentile per-packet one-way delay: 35.798 ms

Loss rate: 86.60%

-- Flow 1:

Average throughput: 0.00 Mbit/s

95th percentile per-packet one-way delay: 34.574 ms

Loss rate: 95.92%

-- Flow 2:

Average throughput: 10.36 Mbit/s

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

Loss rate: 86.55%

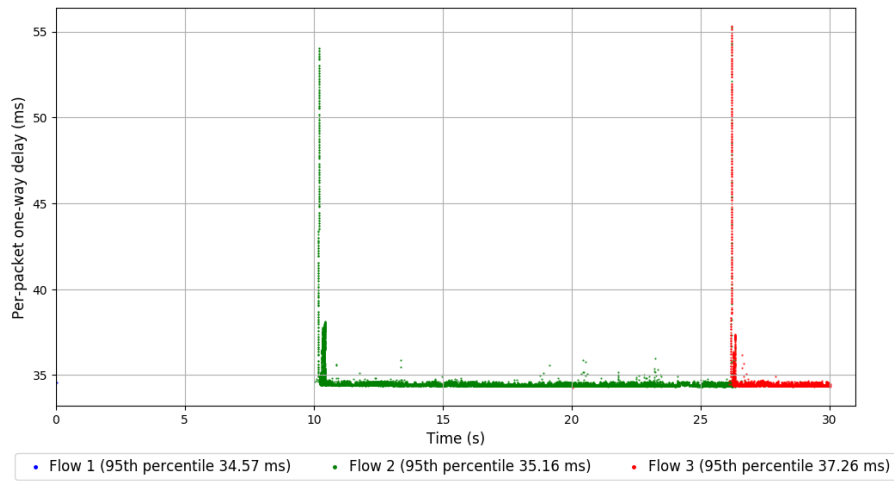
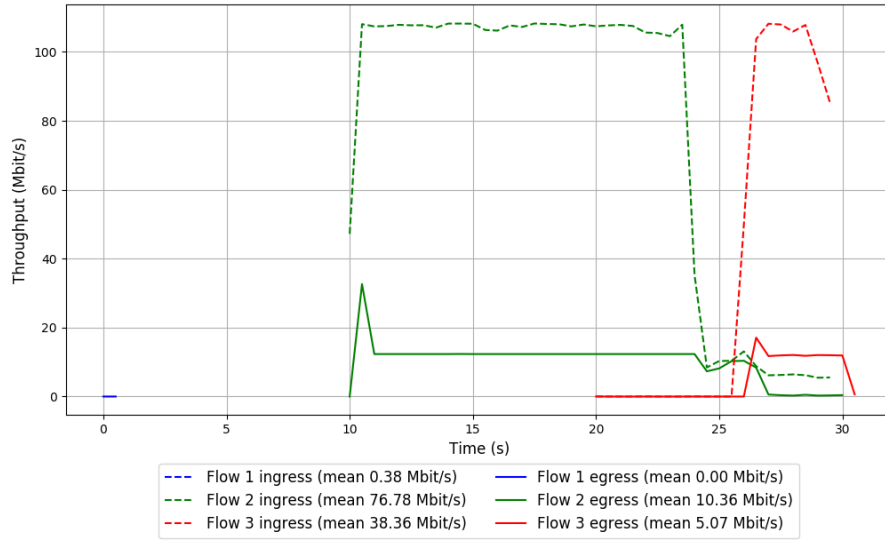
-- Flow 3:

Average throughput: 5.07 Mbit/s

95th percentile per-packet one-way delay: 37.259 ms

Loss rate: 86.78%

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





Run 1: Statistics of TCP Vegas

Start at: 2019-09-18 09:31:44

End at: 2019-09-18 09:32:14

Local clock offset: 5.193 ms

Remote clock offset: 8.299 ms

# Below is generated by plot.py at 2019-09-18 12:26:08

# Datalink statistics

-- Total of 3 flows:

Average throughput: 88.63 Mbit/s

95th percentile per-packet one-way delay: 46.692 ms

Loss rate: 0.87%

-- Flow 1:

Average throughput: 50.86 Mbit/s

95th percentile per-packet one-way delay: 45.432 ms

Loss rate: 1.26%

-- Flow 2:

Average throughput: 44.36 Mbit/s

95th percentile per-packet one-way delay: 47.141 ms

Loss rate: 0.45%

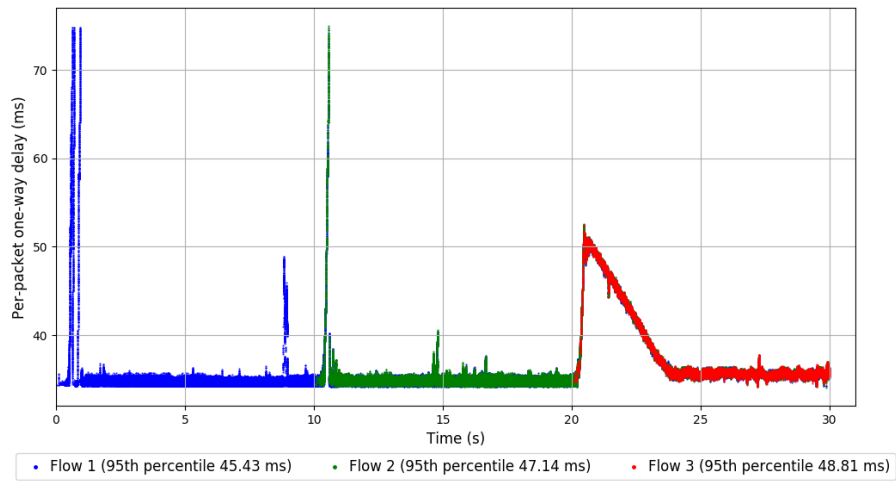
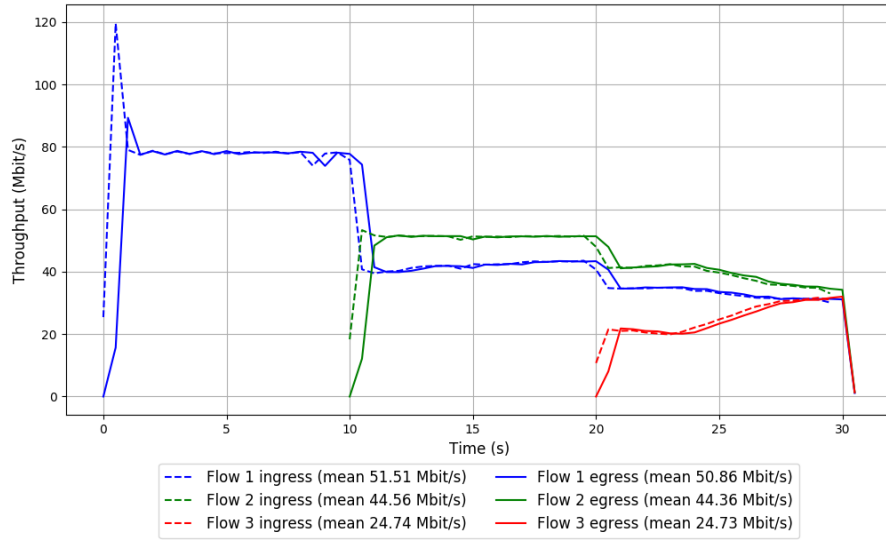
-- Flow 3:

Average throughput: 24.73 Mbit/s

95th percentile per-packet one-way delay: 48.811 ms

Loss rate: 0.00%

Run 1: Report of TCP Vegas — Data Link



Run 2: Statistics of TCP Vegas

Start at: 2019-09-18 10:08:21

End at: 2019-09-18 10:08:51

Local clock offset: -1.48 ms

Remote clock offset: 9.529 ms

# Below is generated by plot.py at 2019-09-18 12:26:19

# Datalink statistics

-- Total of 3 flows:

Average throughput: 96.21 Mbit/s

95th percentile per-packet one-way delay: 44.361 ms

Loss rate: 0.27%

-- Flow 1:

Average throughput: 78.49 Mbit/s

95th percentile per-packet one-way delay: 44.582 ms

Loss rate: 0.33%

-- Flow 2:

Average throughput: 17.65 Mbit/s

95th percentile per-packet one-way delay: 43.048 ms

Loss rate: 0.00%

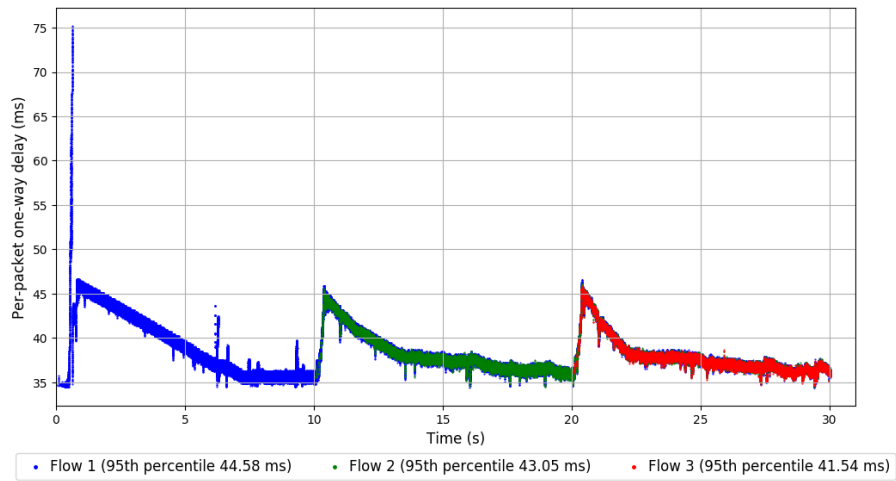
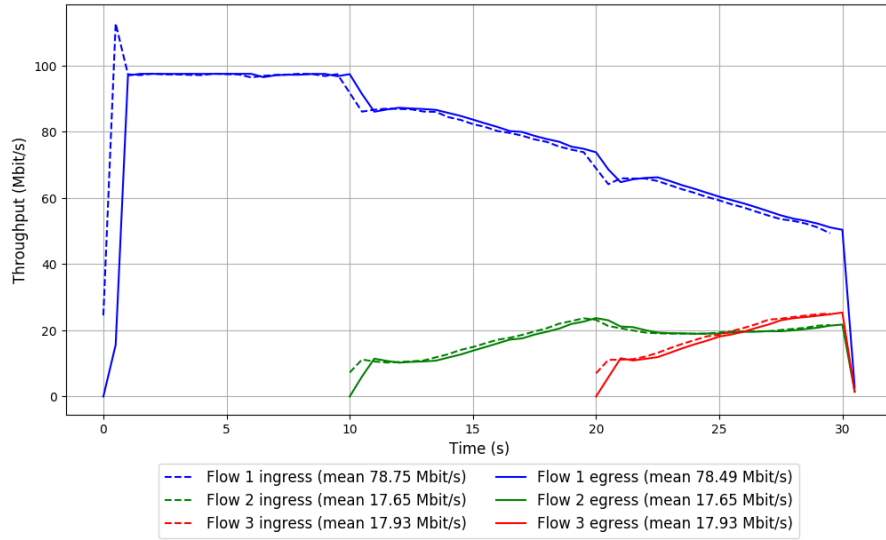
-- Flow 3:

Average throughput: 17.93 Mbit/s

95th percentile per-packet one-way delay: 41.543 ms

Loss rate: 0.00%

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



Run 3: Statistics of TCP Vegas

Start at: 2019-09-18 10:45:58

End at: 2019-09-18 10:46:28

Local clock offset: -3.208 ms

Remote clock offset: 7.99 ms

# Below is generated by plot.py at 2019-09-18 12:26:21

# Datalink statistics

-- Total of 3 flows:

Average throughput: 94.09 Mbit/s

95th percentile per-packet one-way delay: 50.896 ms

Loss rate: 0.62%

-- Flow 1:

Average throughput: 61.75 Mbit/s

95th percentile per-packet one-way delay: 45.527 ms

Loss rate: 0.54%

-- Flow 2:

Average throughput: 10.66 Mbit/s

95th percentile per-packet one-way delay: 48.632 ms

Loss rate: 0.36%

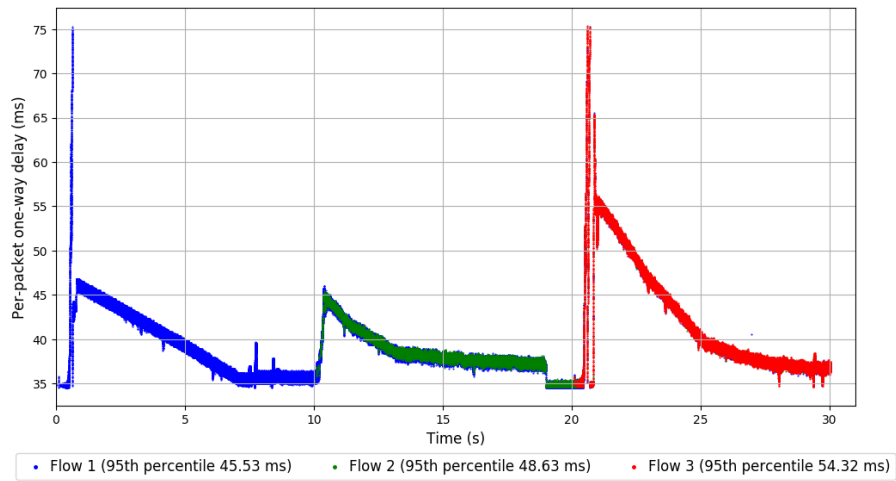
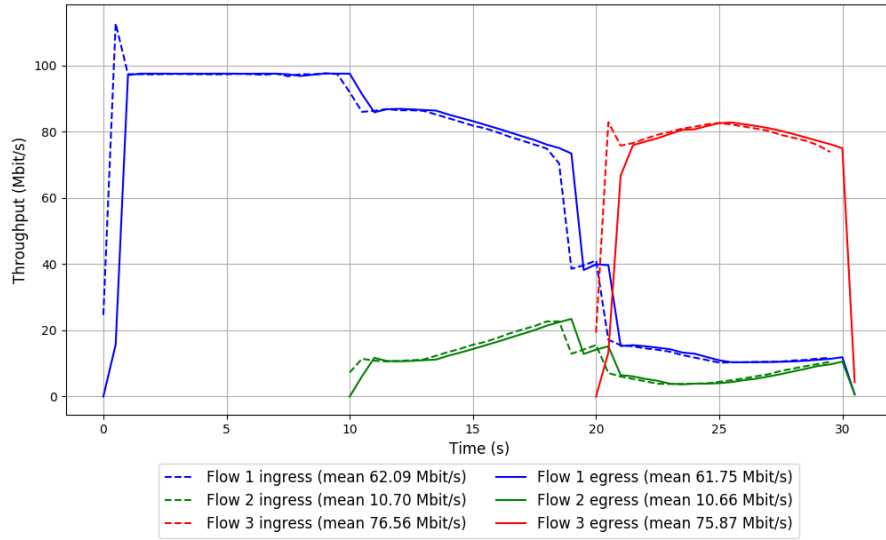
-- Flow 3:

Average throughput: 75.87 Mbit/s

95th percentile per-packet one-way delay: 54.316 ms

Loss rate: 0.89%

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



Run 4: Statistics of TCP Vegas

Start at: 2019-09-18 11:21:14

End at: 2019-09-18 11:21:44

Local clock offset: 0.621 ms

Remote clock offset: 9.066 ms

# Below is generated by plot.py at 2019-09-18 12:26:29

# Datalink statistics

-- Total of 3 flows:

Average throughput: 95.83 Mbit/s

95th percentile per-packet one-way delay: 44.616 ms

Loss rate: 0.27%

-- Flow 1:

Average throughput: 78.45 Mbit/s

95th percentile per-packet one-way delay: 44.843 ms

Loss rate: 0.33%

-- Flow 2:

Average throughput: 17.01 Mbit/s

95th percentile per-packet one-way delay: 43.207 ms

Loss rate: 0.00%

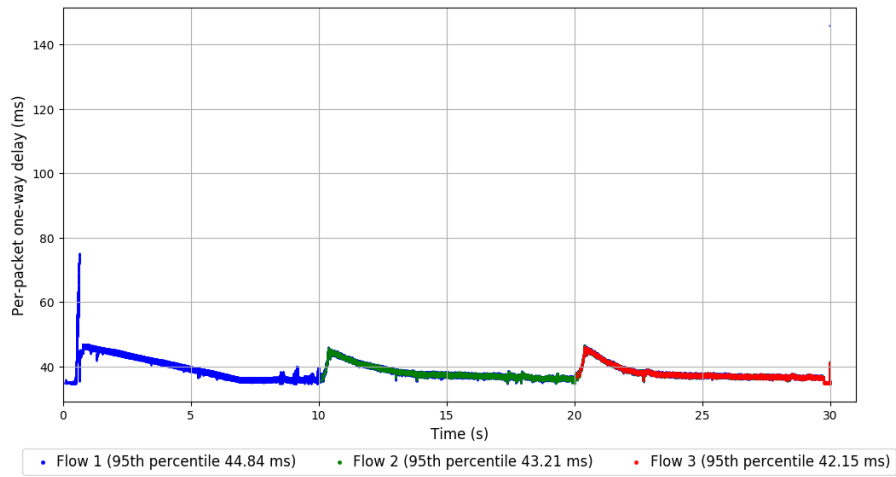
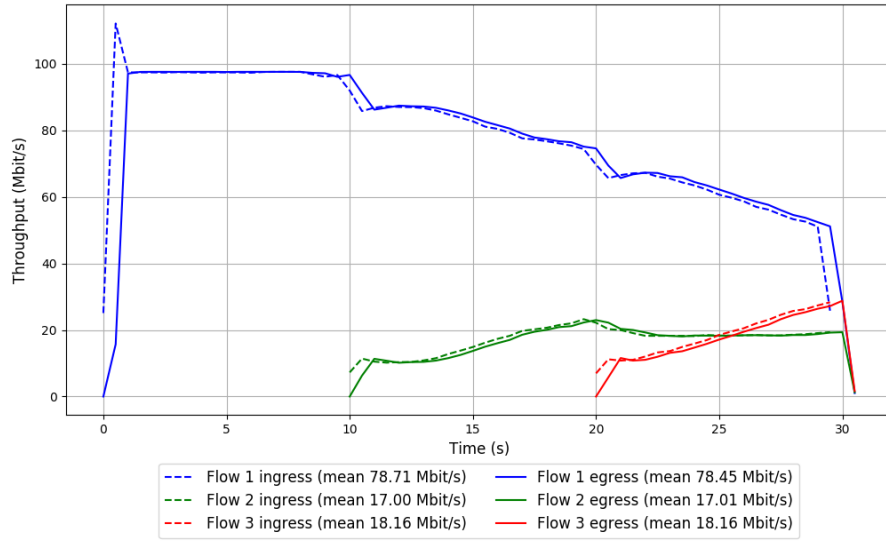
-- Flow 3:

Average throughput: 18.16 Mbit/s

95th percentile per-packet one-way delay: 42.152 ms

Loss rate: 0.00%

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





Run 5: Statistics of TCP Vegas

Start at: 2019-09-18 11:58:34

End at: 2019-09-18 11:59:04

Local clock offset: 0.795 ms

Remote clock offset: 8.377 ms

# Below is generated by plot.py at 2019-09-18 12:26:33

# Datalink statistics

-- Total of 3 flows:

Average throughput: 96.09 Mbit/s

95th percentile per-packet one-way delay: 49.574 ms

Loss rate: 0.27%

-- Flow 1:

Average throughput: 78.81 Mbit/s

95th percentile per-packet one-way delay: 49.509 ms

Loss rate: 0.33%

-- Flow 2:

Average throughput: 18.68 Mbit/s

95th percentile per-packet one-way delay: 51.255 ms

Loss rate: 0.01%

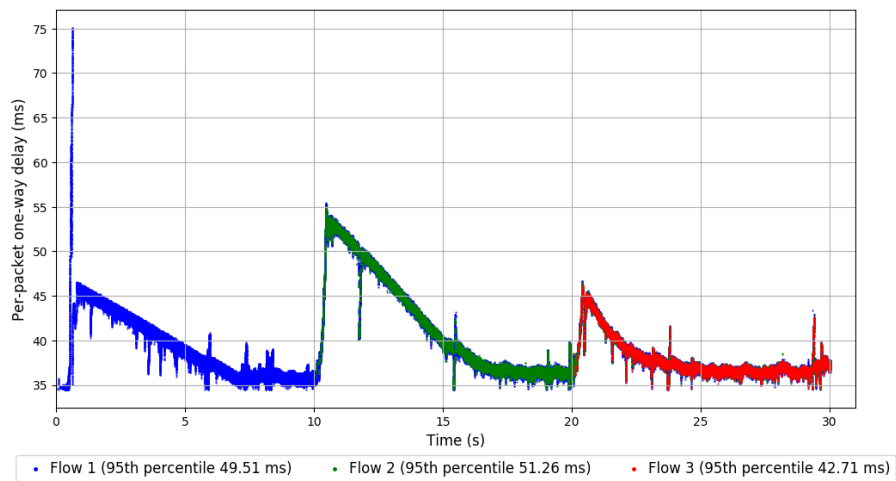
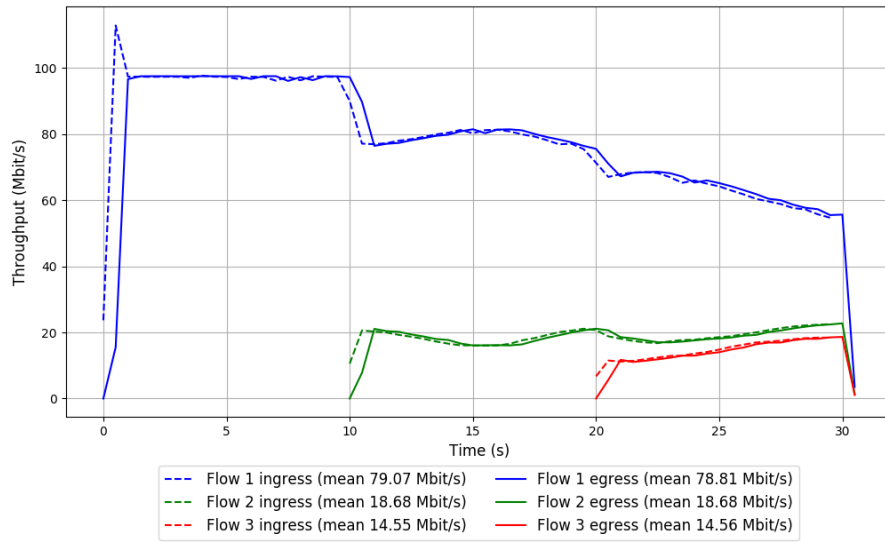
-- Flow 3:

Average throughput: 14.56 Mbit/s

95th percentile per-packet one-way delay: 42.707 ms

Loss rate: 0.00%

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



Run 1: Statistics of Verus

Start at: 2019-09-18 09:39:20

End at: 2019-09-18 09:39:50

Local clock offset: 2.436 ms

Remote clock offset: 8.511 ms

# Below is generated by plot.py at 2019-09-18 12:26:33

# Datalink statistics

-- Total of 3 flows:

Average throughput: 63.14 Mbit/s

95th percentile per-packet one-way delay: 70.950 ms

Loss rate: 39.59%

-- Flow 1:

Average throughput: 37.30 Mbit/s

95th percentile per-packet one-way delay: 71.385 ms

Loss rate: 46.30%

-- Flow 2:

Average throughput: 27.22 Mbit/s

95th percentile per-packet one-way delay: 70.395 ms

Loss rate: 26.92%

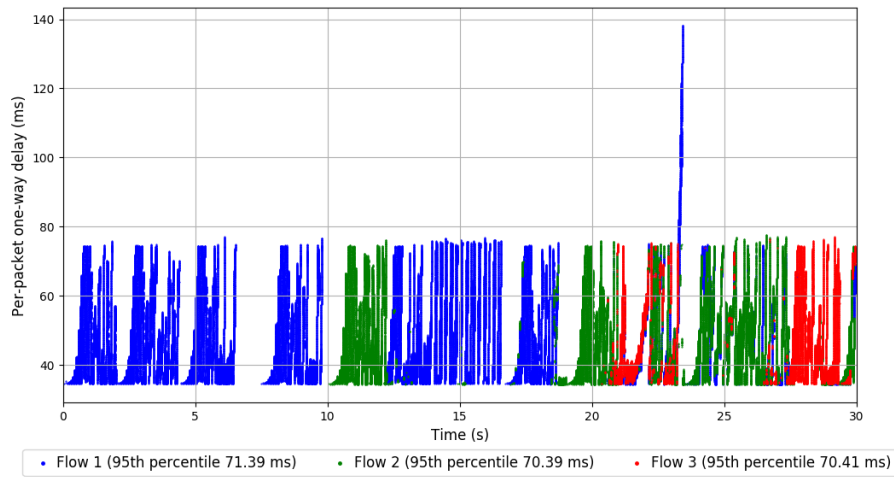
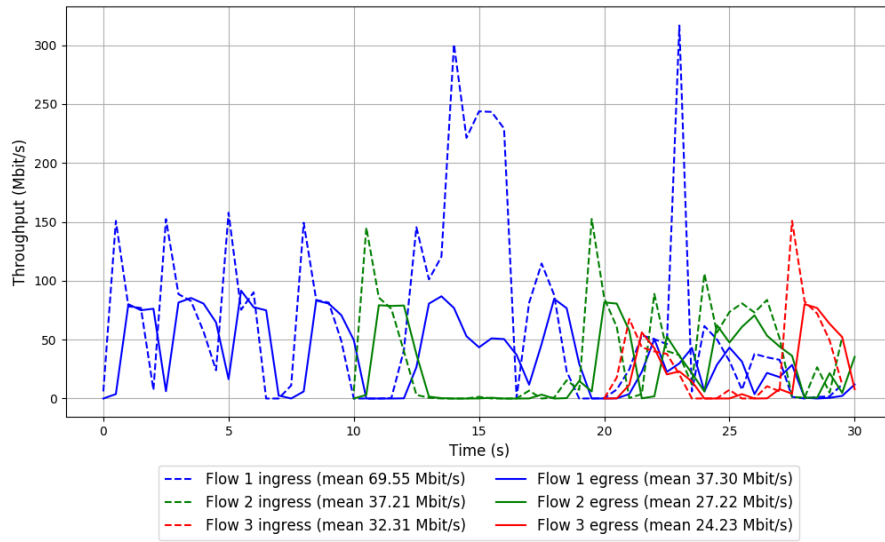
-- Flow 3:

Average throughput: 24.23 Mbit/s

95th percentile per-packet one-way delay: 70.410 ms

Loss rate: 24.77%

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



Run 2: Statistics of Verus

Start at: 2019-09-18 10:16:06

End at: 2019-09-18 10:16:36

Local clock offset: -2.713 ms

Remote clock offset: 9.702 ms

# Below is generated by plot.py at 2019-09-18 12:26:33

# Datalink statistics

-- Total of 3 flows:

Average throughput: 60.80 Mbit/s

95th percentile per-packet one-way delay: 70.753 ms

Loss rate: 43.83%

-- Flow 1:

Average throughput: 39.03 Mbit/s

95th percentile per-packet one-way delay: 69.841 ms

Loss rate: 30.48%

-- Flow 2:

Average throughput: 21.66 Mbit/s

95th percentile per-packet one-way delay: 71.329 ms

Loss rate: 41.93%

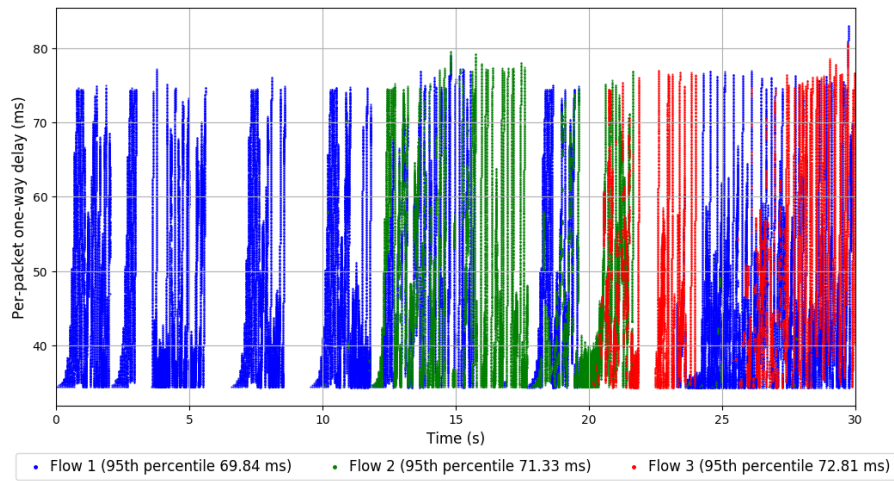
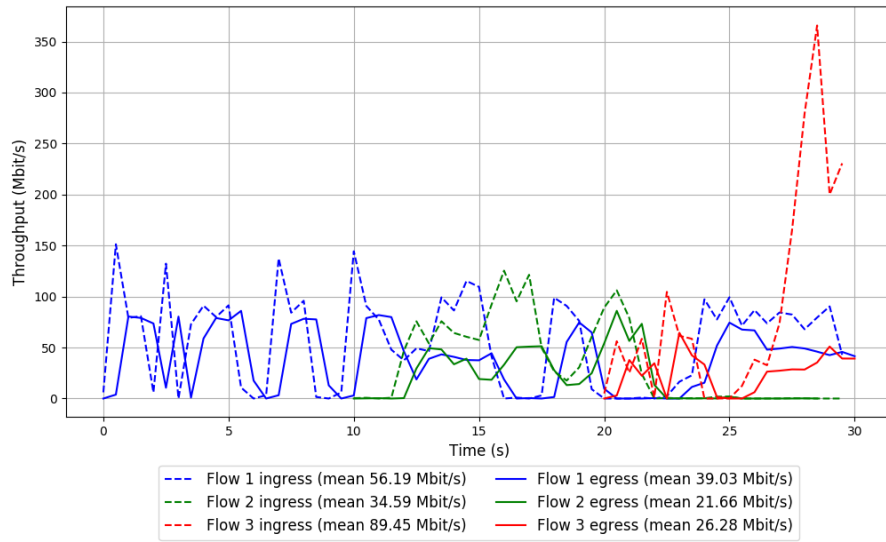
-- Flow 3:

Average throughput: 26.28 Mbit/s

95th percentile per-packet one-way delay: 72.814 ms

Loss rate: 70.55%

## Run 2: Report of Verus — Data Link



Run 3: Statistics of Verus

Start at: 2019-09-18 10:53:42

End at: 2019-09-18 10:54:12

Local clock offset: -3.248 ms

Remote clock offset: 7.933 ms

# Below is generated by plot.py at 2019-09-18 12:26:34

# Datalink statistics

-- Total of 3 flows:

Average throughput: 53.44 Mbit/s

95th percentile per-packet one-way delay: 73.737 ms

Loss rate: 54.23%

-- Flow 1:

Average throughput: 22.85 Mbit/s

95th percentile per-packet one-way delay: 69.723 ms

Loss rate: 25.32%

-- Flow 2:

Average throughput: 41.71 Mbit/s

95th percentile per-packet one-way delay: 77.259 ms

Loss rate: 66.41%

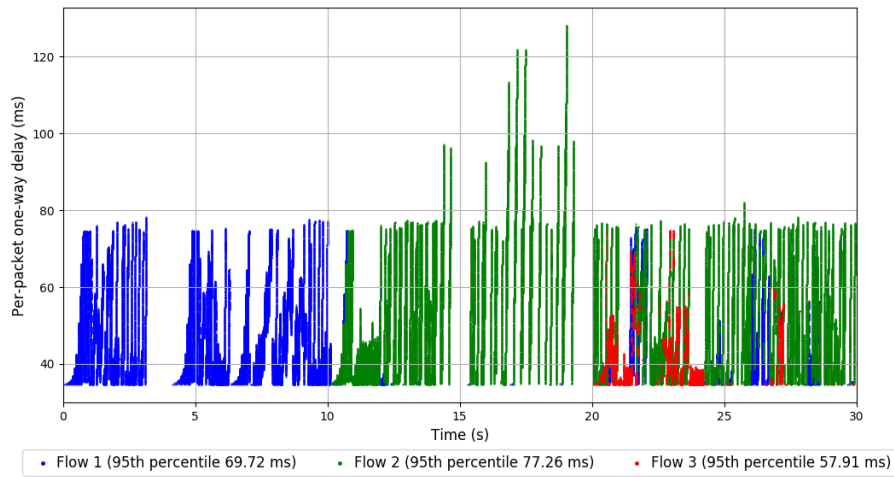
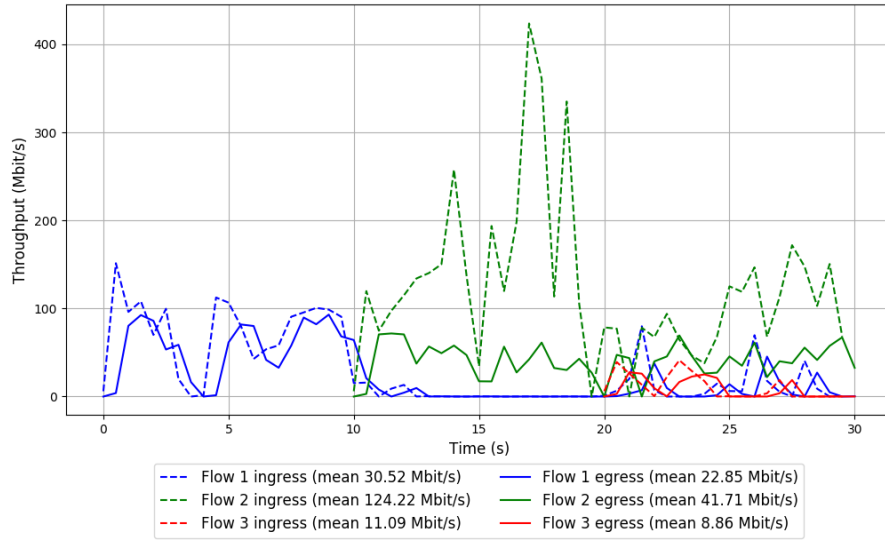
-- Flow 3:

Average throughput: 8.86 Mbit/s

95th percentile per-packet one-way delay: 57.909 ms

Loss rate: 20.12%

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





Run 4: Statistics of Verus

Start at: 2019-09-18 11:29:05

End at: 2019-09-18 11:29:35

Local clock offset: 1.106 ms

Remote clock offset: 9.244 ms

# Below is generated by plot.py at 2019-09-18 12:27:10

# Datalink statistics

-- Total of 3 flows:

Average throughput: 64.22 Mbit/s

95th percentile per-packet one-way delay: 73.441 ms

Loss rate: 54.98%

-- Flow 1:

Average throughput: 32.94 Mbit/s

95th percentile per-packet one-way delay: 69.852 ms

Loss rate: 23.61%

-- Flow 2:

Average throughput: 33.76 Mbit/s

95th percentile per-packet one-way delay: 119.283 ms

Loss rate: 70.16%

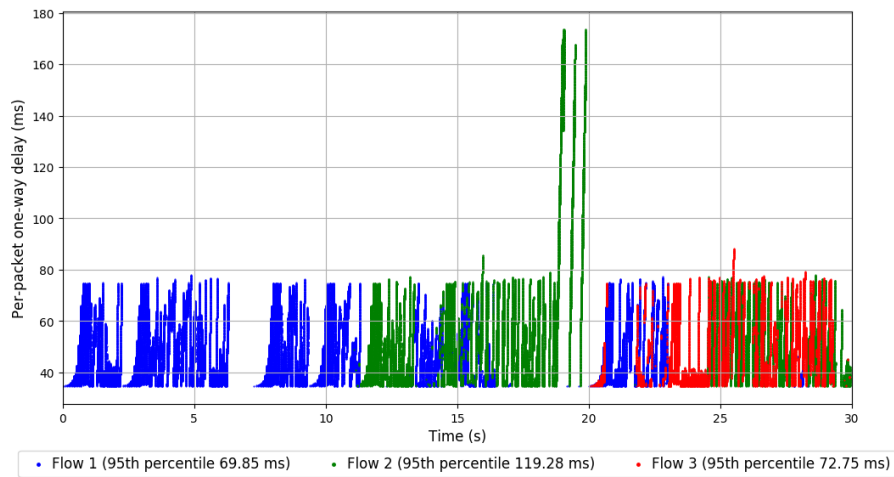
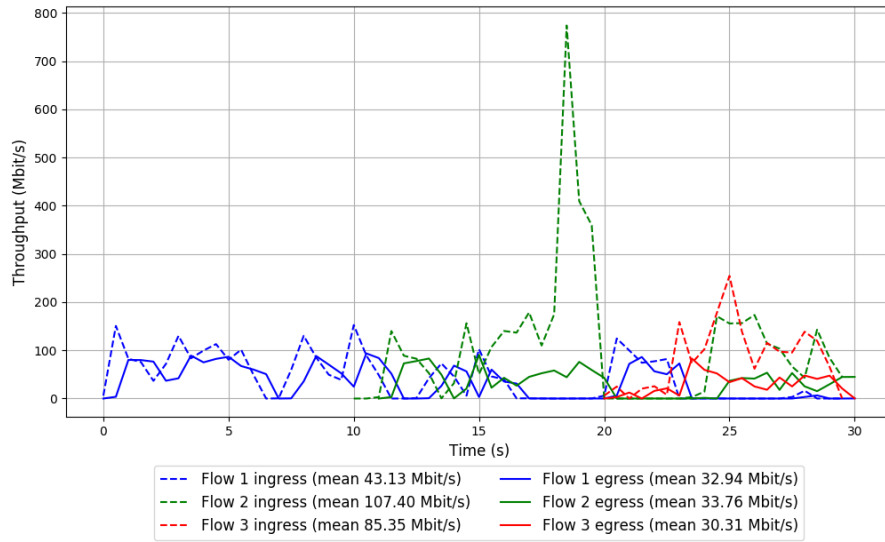
-- Flow 3:

Average throughput: 30.31 Mbit/s

95th percentile per-packet one-way delay: 72.752 ms

Loss rate: 64.47%

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



Run 5: Statistics of Verus

Start at: 2019-09-18 12:06:28

End at: 2019-09-18 12:06:58

Local clock offset: -1.053 ms

Remote clock offset: 8.369 ms

# Below is generated by plot.py at 2019-09-18 12:27:10

# Datalink statistics

-- Total of 3 flows:

Average throughput: 60.90 Mbit/s

95th percentile per-packet one-way delay: 69.635 ms

Loss rate: 22.03%

-- Flow 1:

Average throughput: 45.30 Mbit/s

95th percentile per-packet one-way delay: 69.782 ms

Loss rate: 21.88%

-- Flow 2:

Average throughput: 16.00 Mbit/s

95th percentile per-packet one-way delay: 69.065 ms

Loss rate: 21.56%

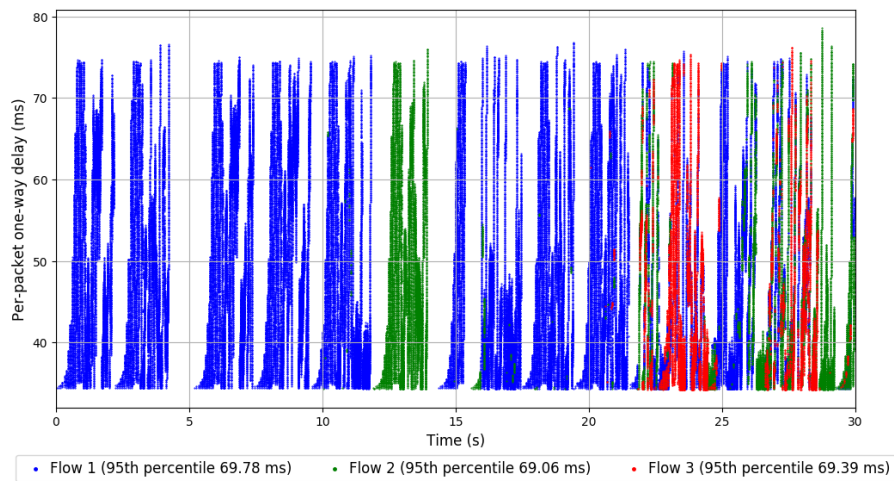
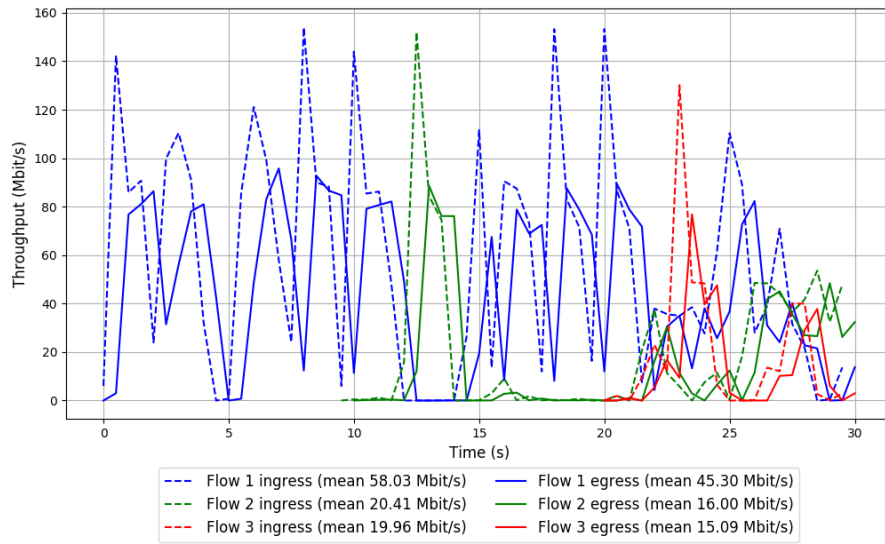
-- Flow 3:

Average throughput: 15.09 Mbit/s

95th percentile per-packet one-way delay: 69.386 ms

Loss rate: 24.35%

Run 5: Report of Verus — Data Link



Run 1: Statistics of PCC-Vivace

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

End at: 2019-09-18 09:10:27

Local clock offset: -1.019 ms

Remote clock offset: 7.538 ms

# Below is generated by plot.py at 2019-09-18 12:27:18

# Datalink statistics

-- Total of 3 flows:

Average throughput: 84.23 Mbit/s

95th percentile per-packet one-way delay: 50.148 ms

Loss rate: 0.02%

-- Flow 1:

Average throughput: 65.98 Mbit/s

95th percentile per-packet one-way delay: 49.633 ms

Loss rate: 0.02%

-- Flow 2:

Average throughput: 21.50 Mbit/s

95th percentile per-packet one-way delay: 50.257 ms

Loss rate: 0.05%

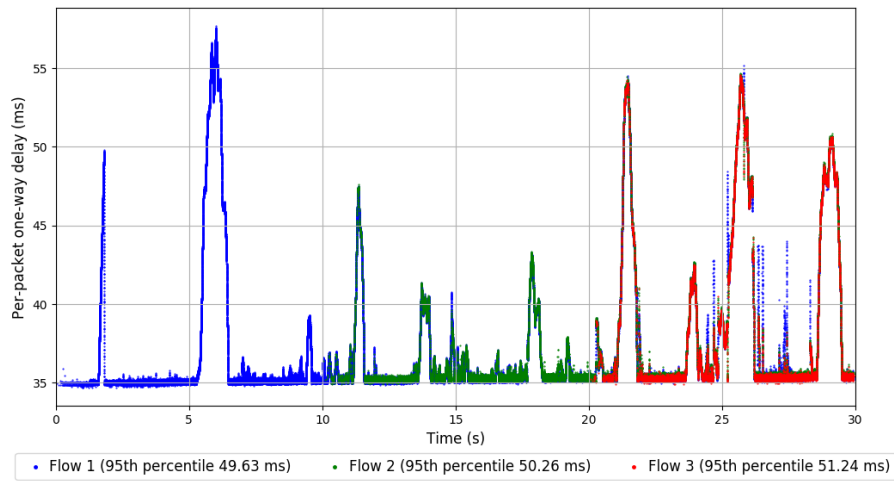
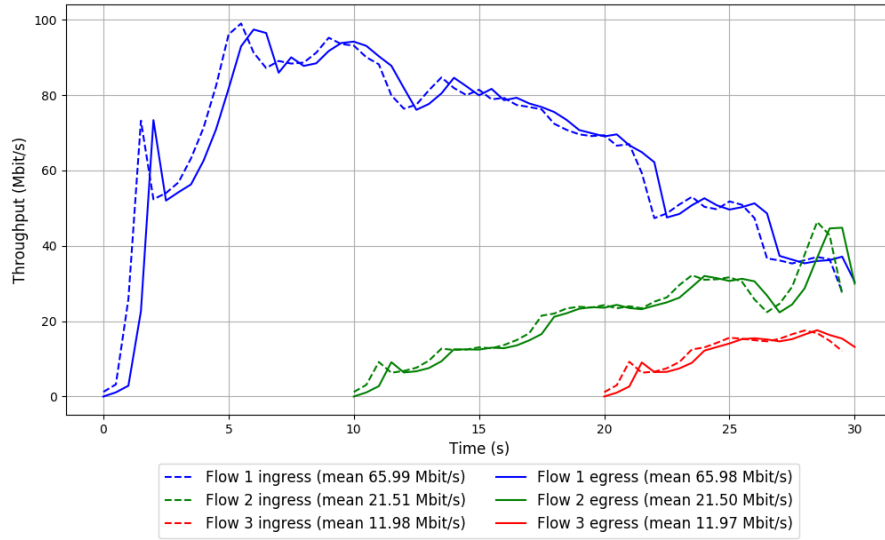
-- Flow 3:

Average throughput: 11.97 Mbit/s

95th percentile per-packet one-way delay: 51.241 ms

Loss rate: 0.07%

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



Run 2: Statistics of PCC-Vivace

Start at: 2019-09-18 09:45:53

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

Local clock offset: 1.51 ms

Remote clock offset: 8.661 ms

# Below is generated by plot.py at 2019-09-18 12:27:22

# Datalink statistics

-- Total of 3 flows:

Average throughput: 85.40 Mbit/s

95th percentile per-packet one-way delay: 44.483 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 69.19 Mbit/s

95th percentile per-packet one-way delay: 42.825 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 15.04 Mbit/s

95th percentile per-packet one-way delay: 48.164 ms

Loss rate: 0.00%

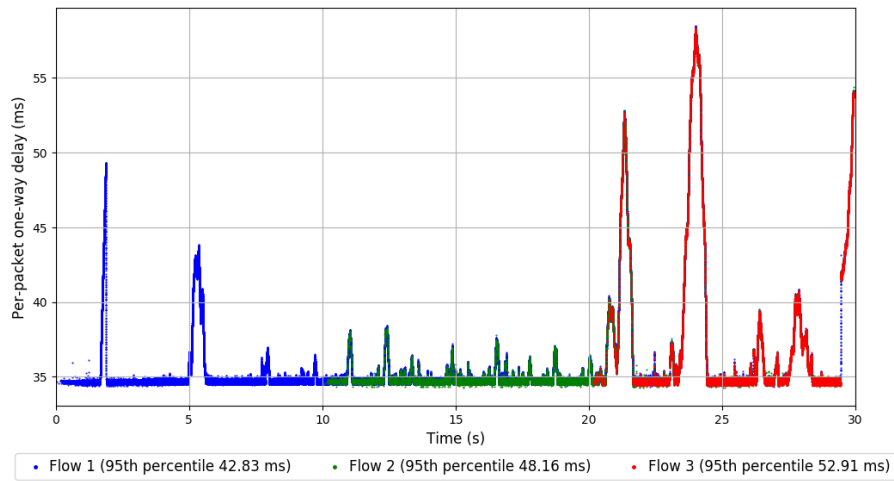
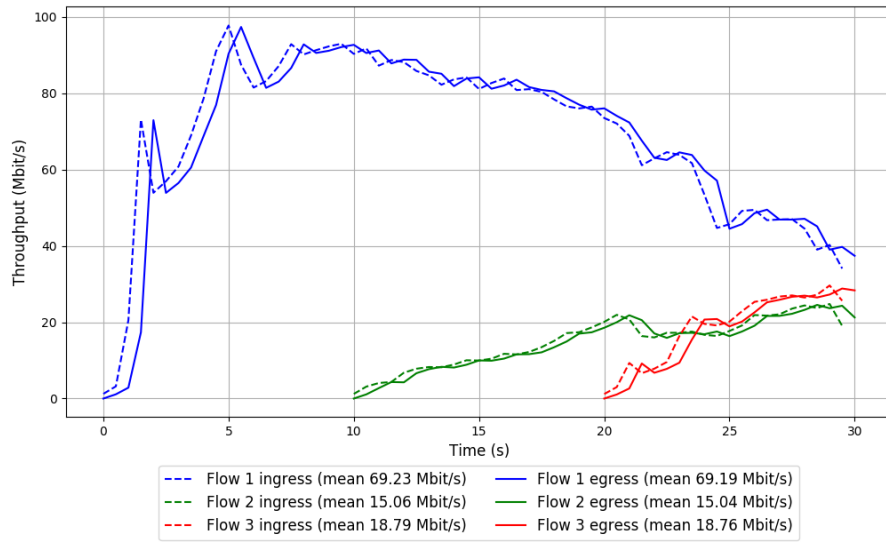
-- Flow 3:

Average throughput: 18.76 Mbit/s

95th percentile per-packet one-way delay: 52.915 ms

Loss rate: 0.00%

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





Run 3: Statistics of PCC-Vivace

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

End at: 2019-09-18 10:23:53

Local clock offset: -3.273 ms

Remote clock offset: 9.531 ms

# Below is generated by plot.py at 2019-09-18 12:27:23

# Datalink statistics

-- Total of 3 flows:

Average throughput: 84.73 Mbit/s

95th percentile per-packet one-way delay: 43.772 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 64.01 Mbit/s

95th percentile per-packet one-way delay: 44.843 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 24.26 Mbit/s

95th percentile per-packet one-way delay: 39.883 ms

Loss rate: 0.00%

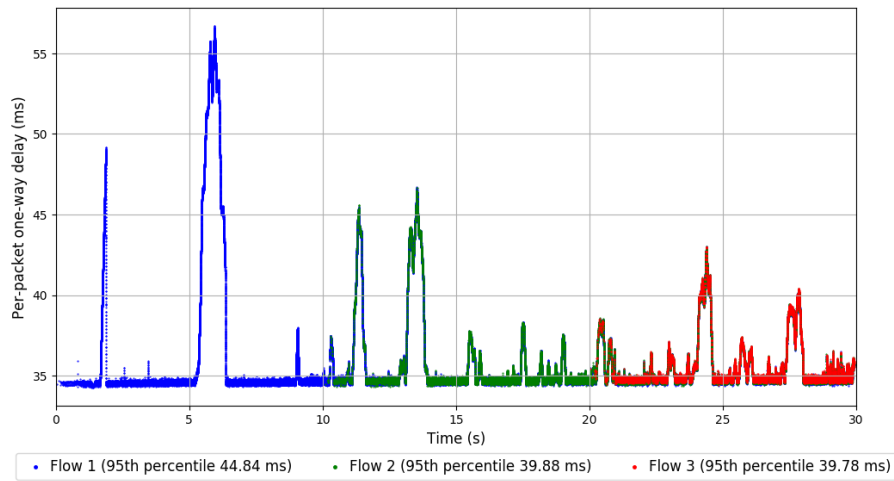
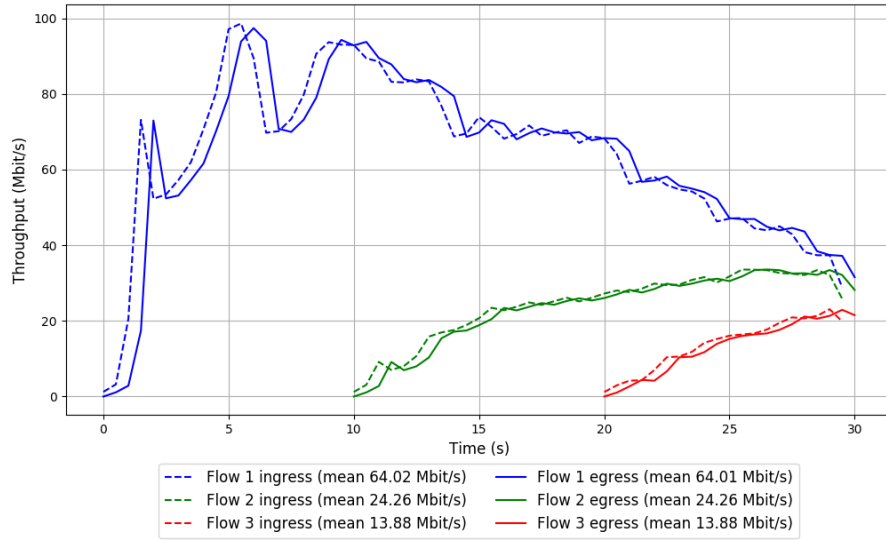
-- Flow 3:

Average throughput: 13.88 Mbit/s

95th percentile per-packet one-way delay: 39.782 ms

Loss rate: 0.00%

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



Run 4: Statistics of PCC-Vivace

Start at: 2019-09-18 10:59:33

End at: 2019-09-18 11:00:03

Local clock offset: -3.36 ms

Remote clock offset: 8.283 ms

# Below is generated by plot.py at 2019-09-18 12:27:23

# Datalink statistics

-- Total of 3 flows:

Average throughput: 85.34 Mbit/s

95th percentile per-packet one-way delay: 45.411 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 59.70 Mbit/s

95th percentile per-packet one-way delay: 47.997 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 33.50 Mbit/s

95th percentile per-packet one-way delay: 41.937 ms

Loss rate: 0.00%

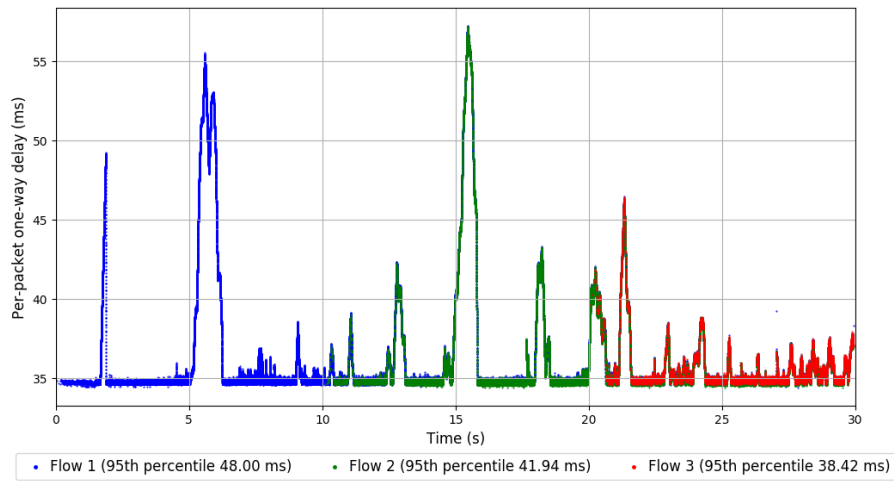
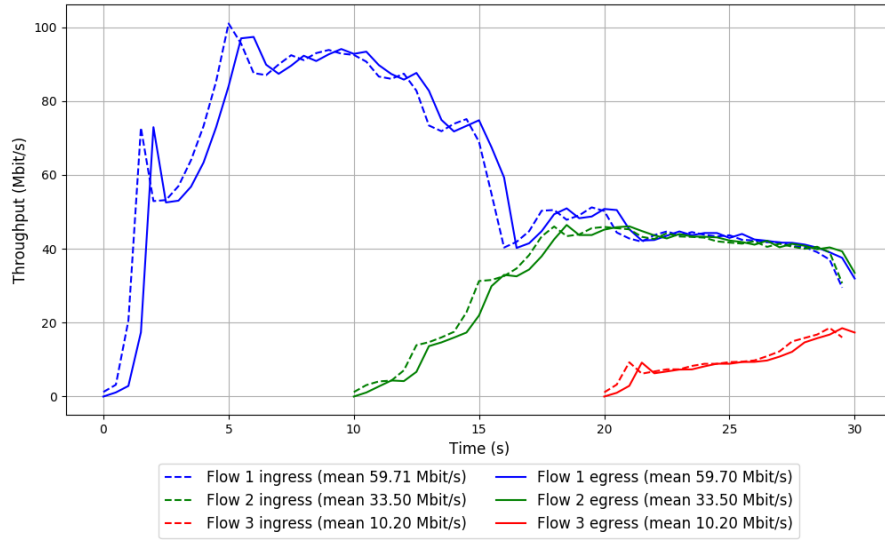
-- Flow 3:

Average throughput: 10.20 Mbit/s

95th percentile per-packet one-way delay: 38.417 ms

Loss rate: 0.00%

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



Run 5: Statistics of PCC-Vivace

Start at: 2019-09-18 11:36:59

End at: 2019-09-18 11:37:29

Local clock offset: 0.786 ms

Remote clock offset: 8.713 ms

# Below is generated by plot.py at 2019-09-18 12:27:24

# Datalink statistics

-- Total of 3 flows:

Average throughput: 81.52 Mbit/s

95th percentile per-packet one-way delay: 52.104 ms

Loss rate: 0.34%

-- Flow 1:

Average throughput: 63.02 Mbit/s

95th percentile per-packet one-way delay: 48.527 ms

Loss rate: 0.29%

-- Flow 2:

Average throughput: 21.12 Mbit/s

95th percentile per-packet one-way delay: 59.336 ms

Loss rate: 0.52%

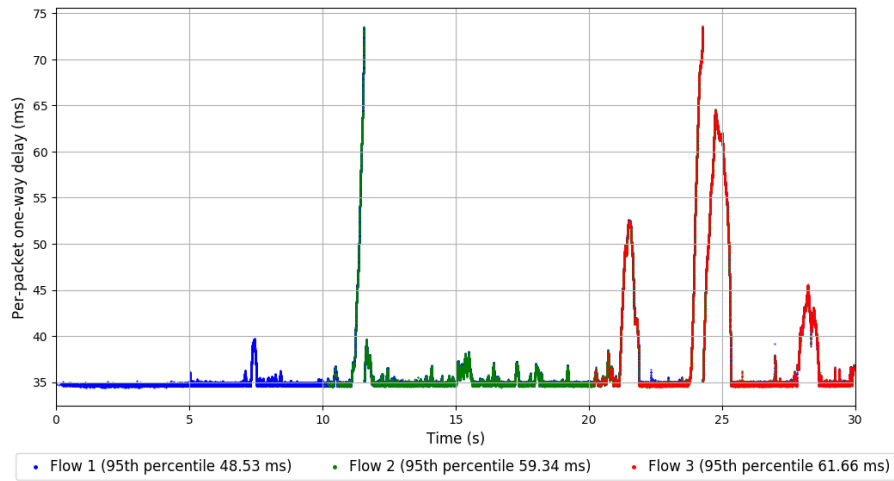
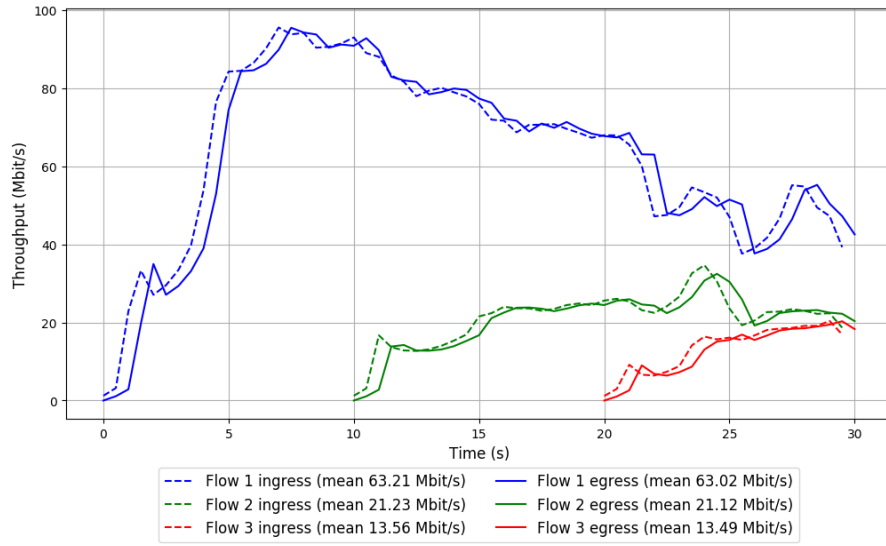
-- Flow 3:

Average throughput: 13.49 Mbit/s

95th percentile per-packet one-way delay: 61.656 ms

Loss rate: 0.49%

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



Run 1: Statistics of WebRTC media

Start at: 2019-09-18 09:30:35

End at: 2019-09-18 09:31:05

Local clock offset: 5.819 ms

Remote clock offset: 8.315 ms

# Below is generated by plot.py at 2019-09-18 12:27:24

# Datalink statistics

-- Total of 3 flows:

Average throughput: 0.14 Mbit/s

95th percentile per-packet one-way delay: 35.101 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 0.05 Mbit/s

95th percentile per-packet one-way delay: 35.099 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 0.05 Mbit/s

95th percentile per-packet one-way delay: 35.115 ms

Loss rate: 0.00%

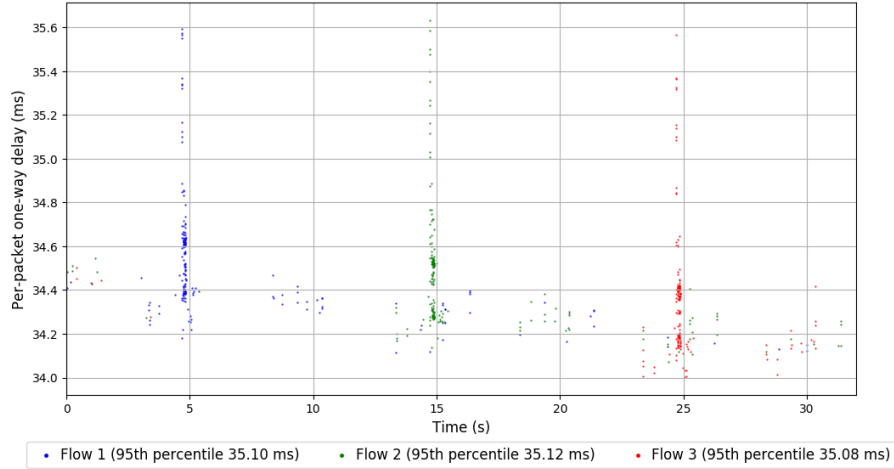
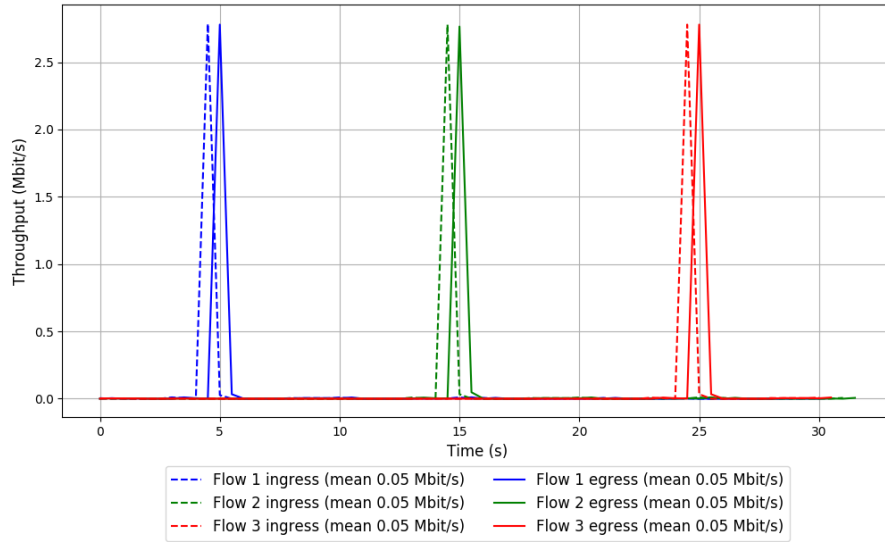
-- Flow 3:

Average throughput: 0.05 Mbit/s

95th percentile per-packet one-way delay: 35.084 ms

Loss rate: 0.00%

Run 1: Report of WebRTC media — Data Link





Run 2: Statistics of WebRTC media

Start at: 2019-09-18 10:07:12

End at: 2019-09-18 10:07:42

Local clock offset: -1.213 ms

Remote clock offset: 9.432 ms

# Below is generated by plot.py at 2019-09-18 12:27:24

# Datalink statistics

-- Total of 3 flows:

Average throughput: 0.14 Mbit/s

95th percentile per-packet one-way delay: 35.208 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 0.05 Mbit/s

95th percentile per-packet one-way delay: 35.249 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 0.05 Mbit/s

95th percentile per-packet one-way delay: 35.183 ms

Loss rate: 0.00%

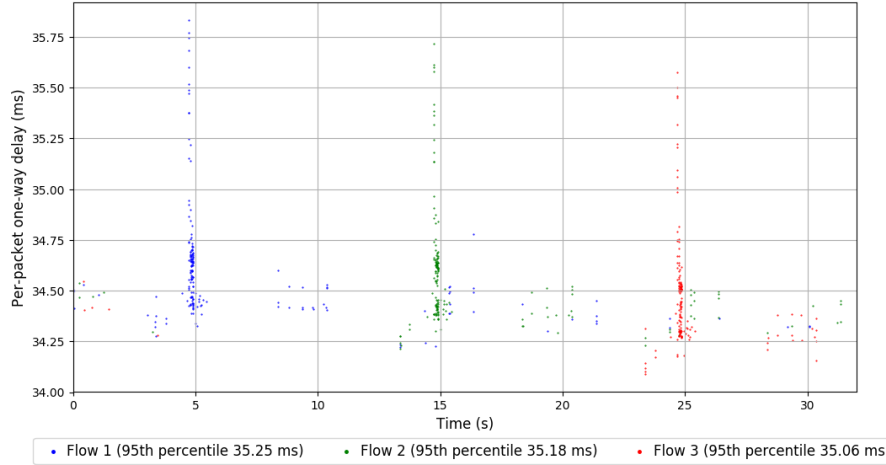
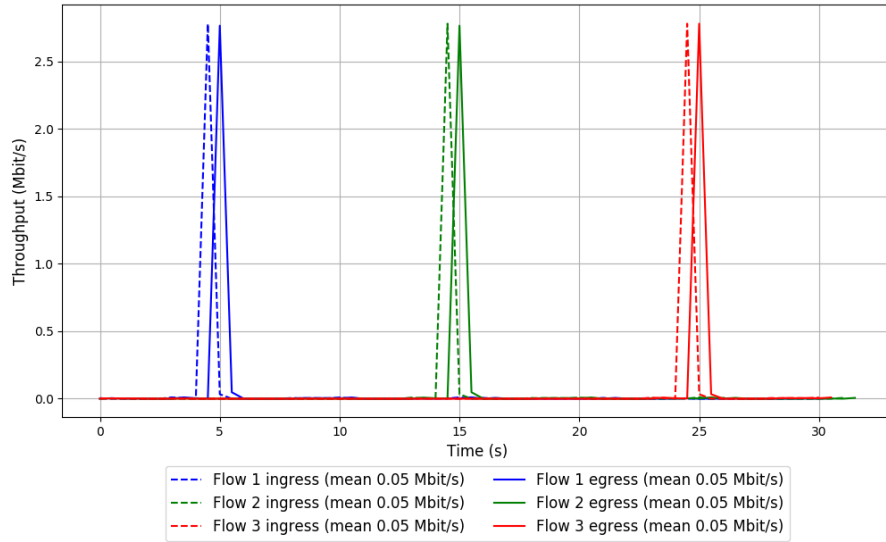
-- Flow 3:

Average throughput: 0.05 Mbit/s

95th percentile per-packet one-way delay: 35.062 ms

Loss rate: 0.00%

## Run 2: Report of WebRTC media — Data Link



Run 3: Statistics of WebRTC media

Start at: 2019-09-18 10:44:49

End at: 2019-09-18 10:45:19

Local clock offset: -3.205 ms

Remote clock offset: 7.957 ms

# Below is generated by plot.py at 2019-09-18 12:27:24

# Datalink statistics

-- Total of 3 flows:

Average throughput: 0.14 Mbit/s

95th percentile per-packet one-way delay: 35.325 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 0.05 Mbit/s

95th percentile per-packet one-way delay: 35.234 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 0.05 Mbit/s

95th percentile per-packet one-way delay: 35.228 ms

Loss rate: 0.00%

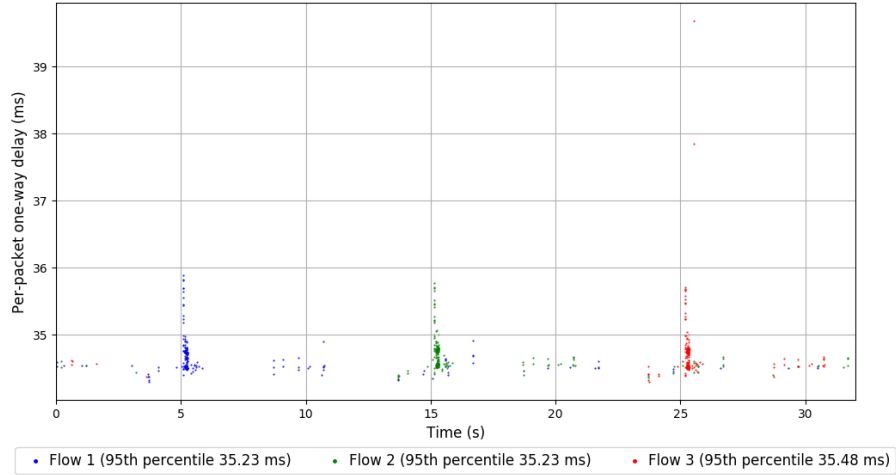
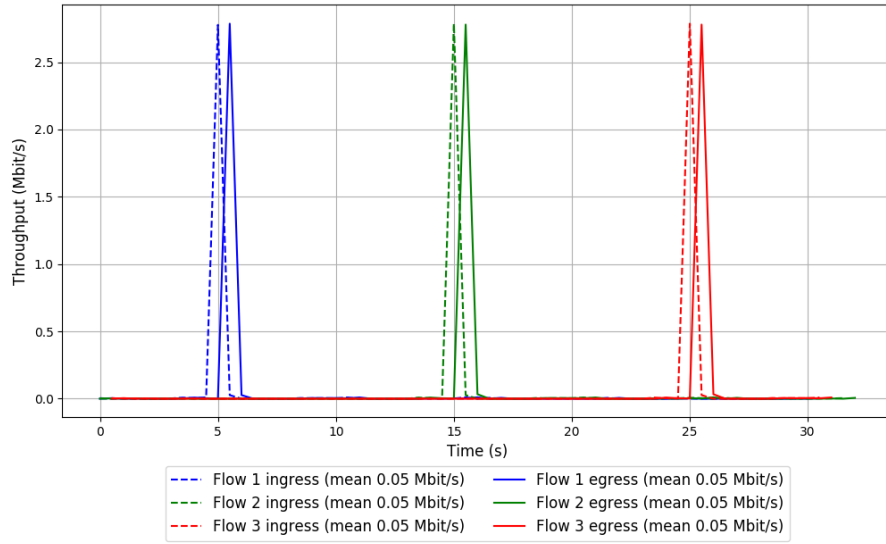
-- Flow 3:

Average throughput: 0.05 Mbit/s

95th percentile per-packet one-way delay: 35.479 ms

Loss rate: 0.00%

### Run 3: Report of WebRTC media — Data Link



Run 4: Statistics of WebRTC media

Start at: 2019-09-18 11:20:05

End at: 2019-09-18 11:20:35

Local clock offset: 0.567 ms

Remote clock offset: 9.09 ms

# Below is generated by plot.py at 2019-09-18 12:27:24

# Datalink statistics

-- Total of 3 flows:

Average throughput: 0.14 Mbit/s

95th percentile per-packet one-way delay: 35.473 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 0.05 Mbit/s

95th percentile per-packet one-way delay: 35.472 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 0.05 Mbit/s

95th percentile per-packet one-way delay: 35.435 ms

Loss rate: 0.00%

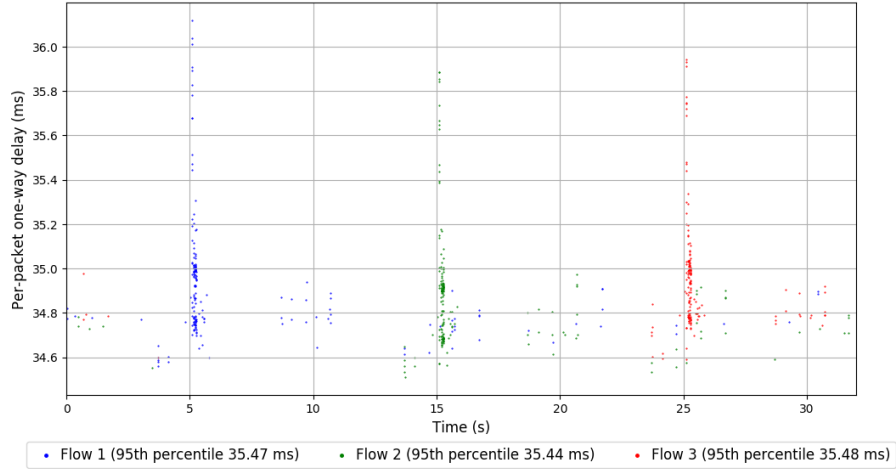
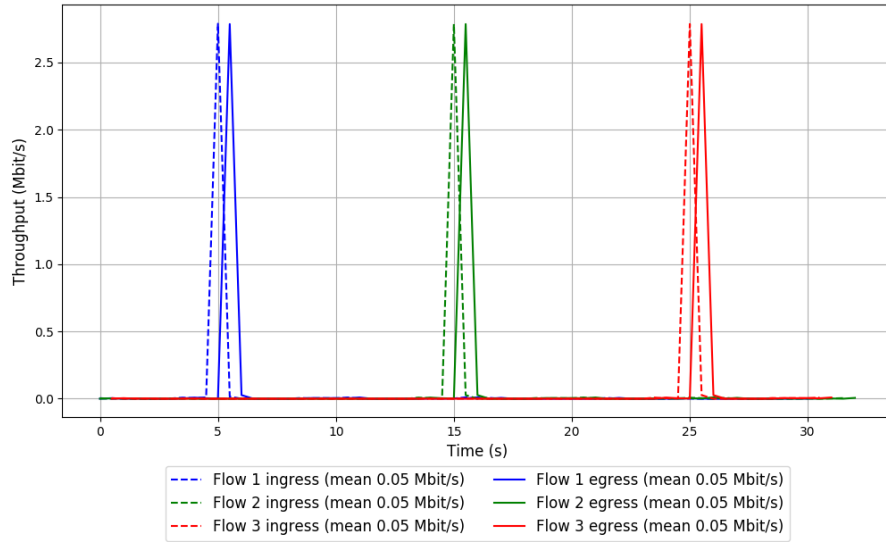
-- Flow 3:

Average throughput: 0.05 Mbit/s

95th percentile per-packet one-way delay: 35.477 ms

Loss rate: 0.00%

#### Run 4: Report of WebRTC media — Data Link



Run 5: Statistics of WebRTC media

Start at: 2019-09-18 11:57:25

End at: 2019-09-18 11:57:55

Local clock offset: 0.796 ms

Remote clock offset: 8.386 ms

# Below is generated by plot.py at 2019-09-18 12:27:24

# Datalink statistics

-- Total of 3 flows:

Average throughput: 0.14 Mbit/s

95th percentile per-packet one-way delay: 35.339 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 0.05 Mbit/s

95th percentile per-packet one-way delay: 35.257 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 0.05 Mbit/s

95th percentile per-packet one-way delay: 35.313 ms

Loss rate: 0.00%

-- Flow 3:

Average throughput: 0.05 Mbit/s

95th percentile per-packet one-way delay: 35.350 ms

Loss rate: 0.00%

### Run 5: Report of WebRTC media — Data Link

