

Pantheon Report

Generated at 2019-09-19 07:09:24 (UTC).

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

Repeated the test of 24 congestion control schemes 5 times.

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

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

System info:

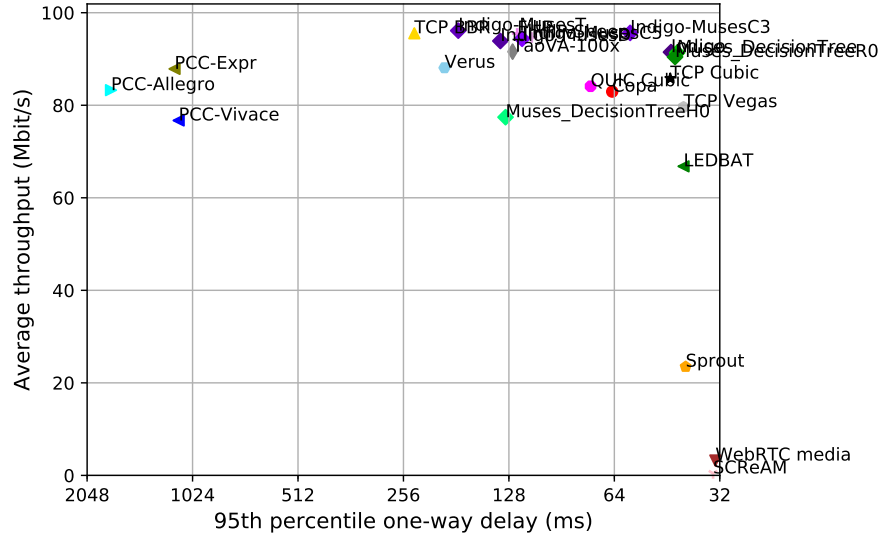
```
Linux 4.15.0-1045-aws
net.core.default_qdisc = fq
net.core.rmem_default = 16777216
net.core.rmem_max = 536870912
net.core.wmem_default = 16777216
net.core.wmem_max = 536870912
net.ipv4.tcp_rmem = 4096 16777216 536870912
net.ipv4.tcp_wmem = 4096 16777216 536870912
```

Git summary:

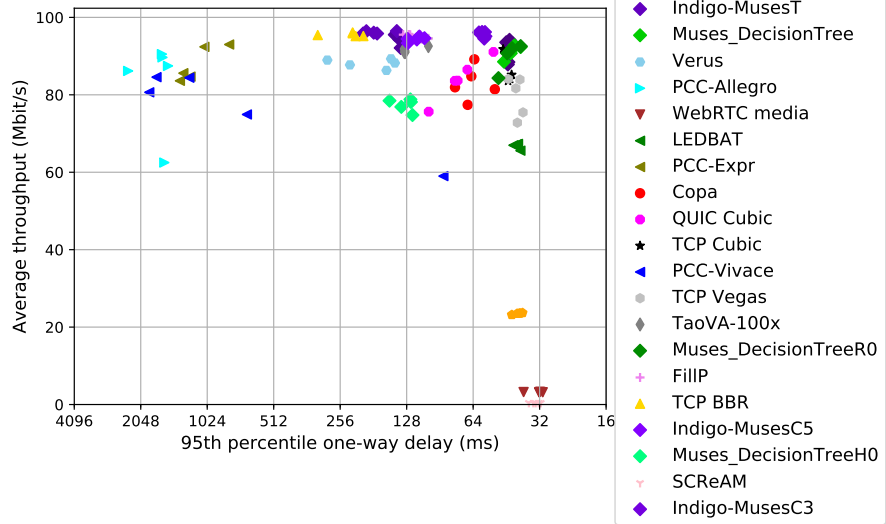
```
branch: muses @ de42328552b3776a75a932a94dfafd722537b0ec
third_party/fillp @ d6da1459332fcee56963885d7eba17e6a32d4519
third_party/fillp-sheep @ 0e5bb722943babcd2b090d2c64fcd45e12e923f9
third_party/genericCC @ d0153f8e594aa89e93b032143cedbdf58e562f4
third_party/indigo @ 2601c92e4aa9d58d38dc4dfe0ecd90c077e64d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

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

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



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



scheme	# runs	mean avg tput (Mbit/s)			mean 95th-%ile delay (ms)			mean loss rate (%)		
		flow 1	flow 2	flow 3	flow 1	flow 2	flow 3	flow 1	flow 2	flow 3
TCP BBR	5	58.78	38.46	33.77	169.72	253.43	380.88	2.91	4.01	4.17
Copa	5	51.93	32.53	28.27	87.78	45.30	46.67	0.14	0.37	0.71
TCP Cubic	5	51.58	35.44	32.07	45.20	42.82	48.92	0.18	0.28	0.69
FillP	5	58.08	43.82	25.00	128.49	114.88	127.70	1.16	1.86	3.03
FillP-Sheep	5	57.62	40.97	29.47	96.04	114.61	130.86	0.31	0.73	1.59
Indigo	5	59.11	35.24	27.36	44.37	44.61	42.85	0.17	0.31	0.74
Indigo-MusesC3	5	59.43	38.21	39.93	57.67	60.61	50.77	0.19	0.36	0.95
Indigo-MusesC5	5	57.21	41.85	34.42	117.57	97.67	139.48	1.48	2.51	3.99
Indigo-MusesD	5	60.06	37.19	33.92	119.61	102.87	69.65	4.40	2.07	1.79
Indigo-MusesT	5	61.69	39.95	29.80	132.00	187.63	244.22	1.75	4.43	7.66
LEDBAT	5	38.63	32.11	20.52	40.37	41.16	40.41	0.18	0.38	1.09
Muses_DecisionTree	5	57.20	36.75	30.10	40.73	44.03	49.18	0.12	0.33	0.66
Muses_DecisionTreeH0	5	48.81	30.85	25.25	133.21	137.13	94.05	0.40	0.38	1.20
Muses_DecisionTreeR0	5	55.28	39.24	28.23	41.62	45.55	47.46	0.14	0.31	0.55
PCC-Allegro	5	51.43	37.62	20.79	1436.41	1540.68	238.42	7.38	9.12	1.82
PCC-Expr	5	54.72	37.68	24.61	1068.66	1104.21	101.34	27.44	8.25	1.51
QUIC Cubic	5	49.62	38.16	27.66	61.97	107.74	125.98	0.19	0.44	0.92
SCReAM	5	0.21	0.21	0.22	33.23	33.70	32.78	0.26	0.40	0.71
Sprout	5	11.87	11.75	11.58	40.04	40.18	39.73	0.17	0.33	0.71
TaoVA-100x	5	54.55	39.81	31.81	106.55	139.08	149.82	0.35	0.64	1.58
TCP Vegas	5	45.48	36.32	30.02	47.01	36.56	40.51	0.17	0.36	0.84
Verus	5	53.21	39.52	26.01	153.35	301.18	557.84	0.30	0.64	1.50
PCC-Vivace	5	48.90	33.17	17.52	1105.67	437.35	72.03	3.42	3.61	1.54
WebRTC media	5	1.78	1.01	0.43	33.32	32.24	33.74	0.09	0.21	0.64

Run 1: Statistics of TCP BBR

Start at: 2019-09-19 01:07:30

End at: 2019-09-19 01:08:00

Local clock offset: 3.683 ms

Remote clock offset: 8.176 ms

Below is generated by plot.py at 2019-09-19 06:54:59

Datalink statistics

-- Total of 3 flows:

Average throughput: 95.43 Mbit/s

95th percentile per-packet one-way delay: 323.445 ms

Loss rate: 3.97%

-- Flow 1:

Average throughput: 58.09 Mbit/s

95th percentile per-packet one-way delay: 164.454 ms

Loss rate: 3.50%

-- Flow 2:

Average throughput: 39.75 Mbit/s

95th percentile per-packet one-way delay: 243.022 ms

Loss rate: 4.71%

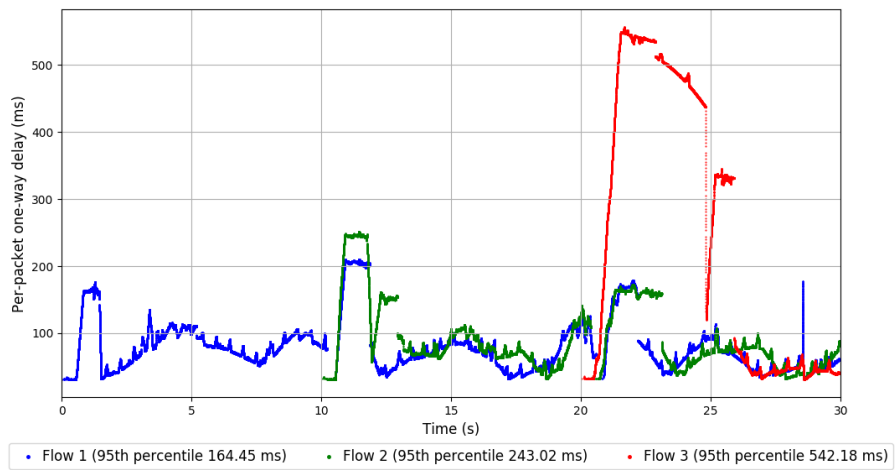
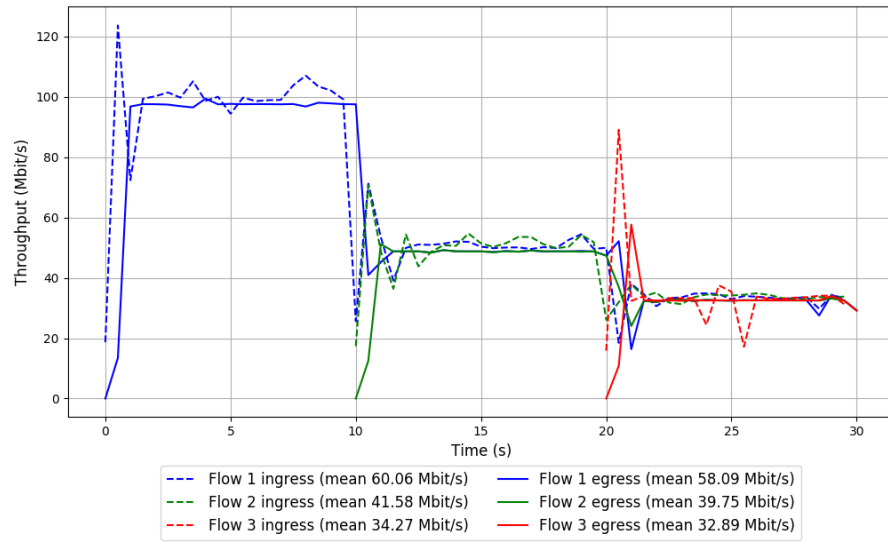
-- Flow 3:

Average throughput: 32.89 Mbit/s

95th percentile per-packet one-way delay: 542.185 ms

Loss rate: 4.64%

Run 1: Report of TCP BBR — Data Link



Run 2: Statistics of TCP BBR

Start at: 2019-09-19 03:27:13

End at: 2019-09-19 03:27:43

Local clock offset: 0.475 ms

Remote clock offset: 7.7 ms

Below is generated by plot.py at 2019-09-19 06:54:59

Datalink statistics

-- Total of 3 flows:

Average throughput: 95.16 Mbit/s

95th percentile per-packet one-way delay: 217.695 ms

Loss rate: 3.16%

-- Flow 1:

Average throughput: 58.03 Mbit/s

95th percentile per-packet one-way delay: 168.309 ms

Loss rate: 2.41%

-- Flow 2:

Average throughput: 39.75 Mbit/s

95th percentile per-packet one-way delay: 166.461 ms

Loss rate: 4.02%

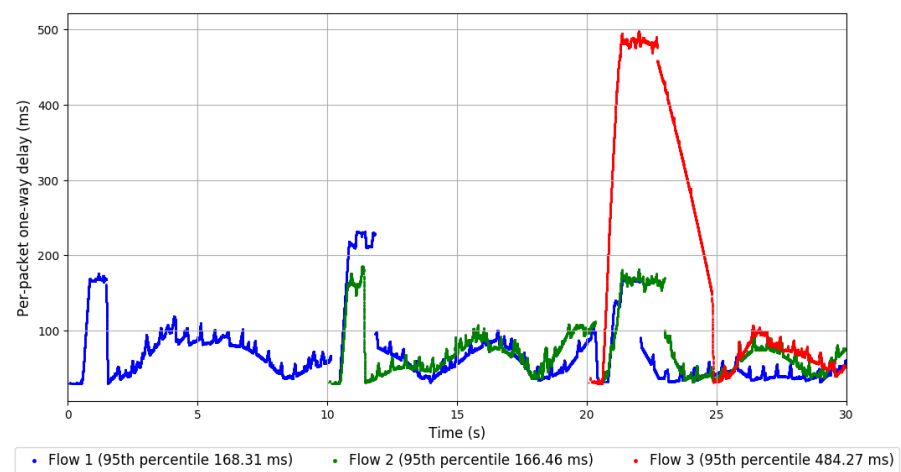
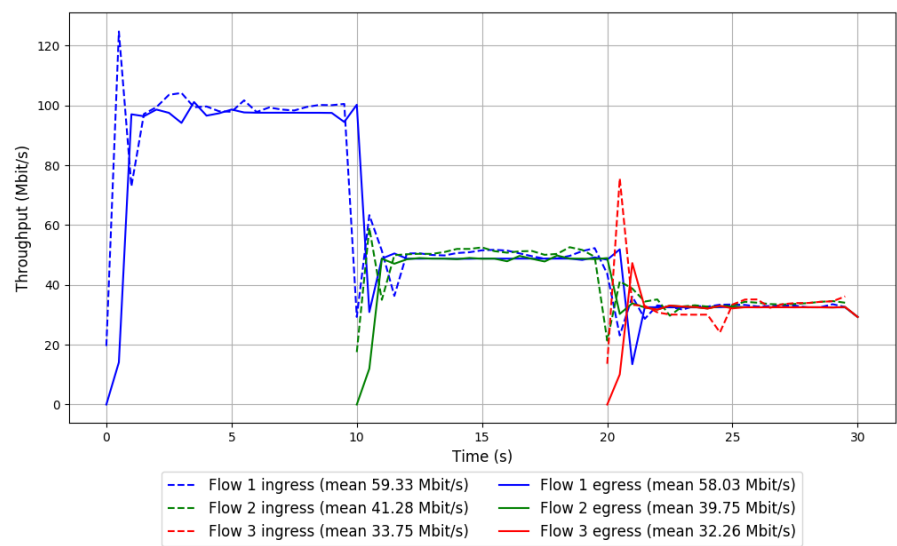
-- Flow 3:

Average throughput: 32.26 Mbit/s

95th percentile per-packet one-way delay: 484.271 ms

Loss rate: 5.05%

Run 2: Report of TCP BBR — Data Link



Run 3: Statistics of TCP BBR

Start at: 2019-09-19 04:43:25

End at: 2019-09-19 04:43:55

Local clock offset: -0.124 ms

Remote clock offset: 8.385 ms

Below is generated by plot.py at 2019-09-19 06:54:59

Datalink statistics

-- Total of 3 flows:

Average throughput: 95.18 Mbit/s

95th percentile per-packet one-way delay: 201.085 ms

Loss rate: 3.70%

-- Flow 1:

Average throughput: 58.03 Mbit/s

95th percentile per-packet one-way delay: 162.869 ms

Loss rate: 3.55%

-- Flow 2:

Average throughput: 39.75 Mbit/s

95th percentile per-packet one-way delay: 147.069 ms

Loss rate: 3.76%

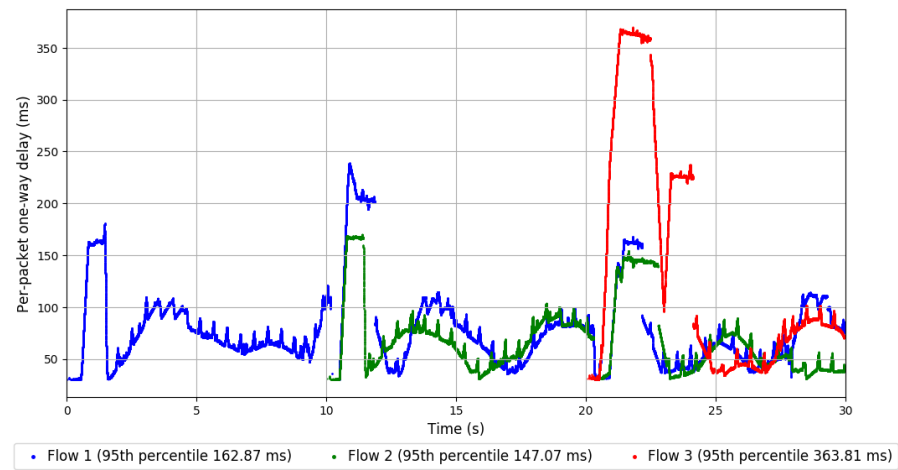
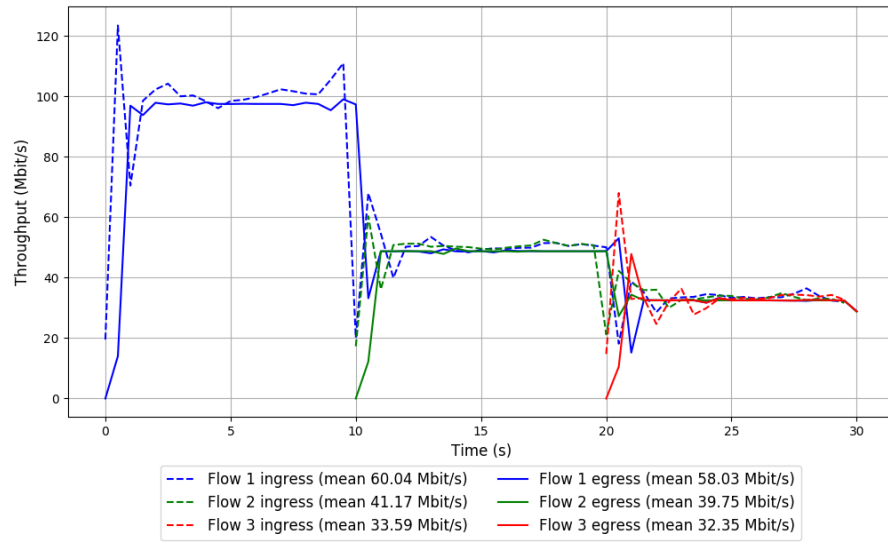
-- Flow 3:

Average throughput: 32.35 Mbit/s

95th percentile per-packet one-way delay: 363.808 ms

Loss rate: 4.33%

Run 3: Report of TCP BBR — Data Link



Run 4: Statistics of TCP BBR

Start at: 2019-09-19 05:50:43

End at: 2019-09-19 05:51:13

Local clock offset: -3.045 ms

Remote clock offset: 7.598 ms

Below is generated by plot.py at 2019-09-19 06:54:59

Datalink statistics

-- Total of 3 flows:

Average throughput: 96.11 Mbit/s

95th percentile per-packet one-way delay: 224.855 ms

Loss rate: 3.24%

-- Flow 1:

Average throughput: 63.89 Mbit/s

95th percentile per-packet one-way delay: 143.439 ms

Loss rate: 3.00%

-- Flow 2:

Average throughput: 36.46 Mbit/s

95th percentile per-packet one-way delay: 355.501 ms

Loss rate: 3.65%

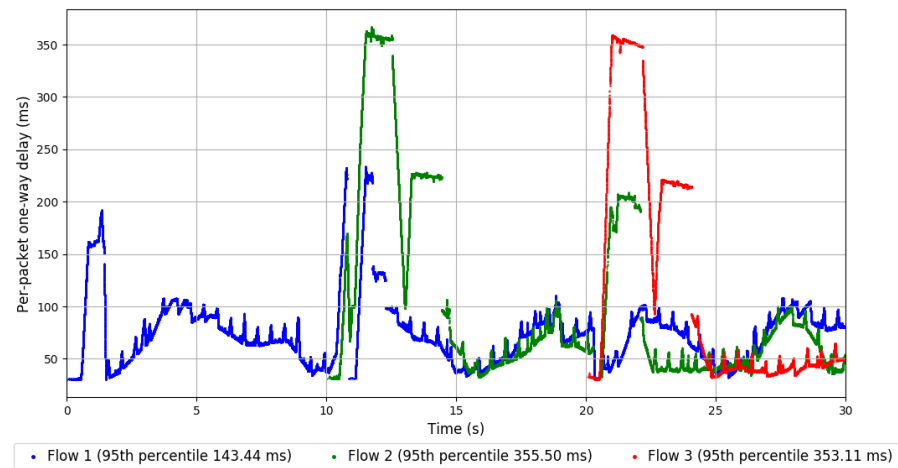
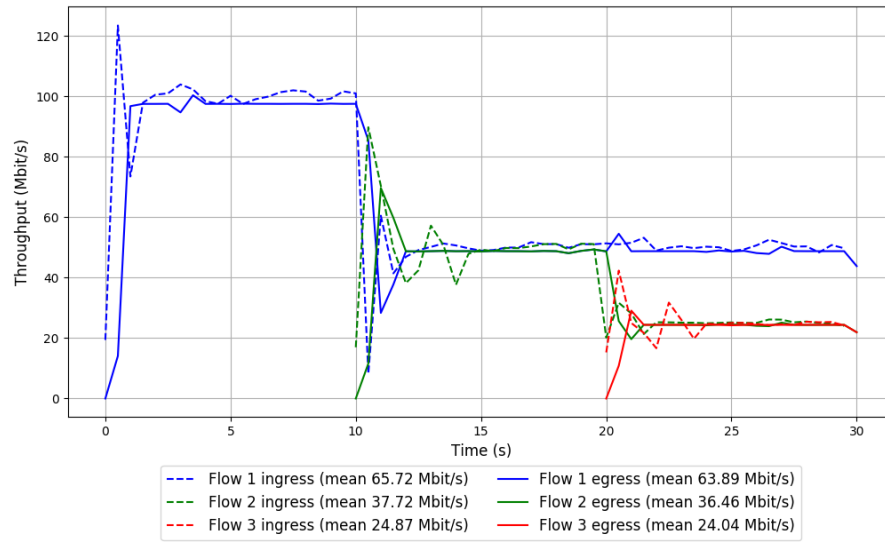
-- Flow 3:

Average throughput: 24.04 Mbit/s

95th percentile per-packet one-way delay: 353.113 ms

Loss rate: 3.98%

Run 4: Report of TCP BBR — Data Link



Run 5: Statistics of TCP BBR

Start at: 2019-09-19 06:47:09

End at: 2019-09-19 06:47:39

Local clock offset: 3.54 ms

Remote clock offset: 9.113 ms

Below is generated by plot.py at 2019-09-19 06:54:59

Datalink statistics

-- Total of 3 flows:

Average throughput: 95.90 Mbit/s

95th percentile per-packet one-way delay: 224.513 ms

Loss rate: 2.67%

-- Flow 1:

Average throughput: 55.88 Mbit/s

95th percentile per-packet one-way delay: 209.523 ms

Loss rate: 2.07%

-- Flow 2:

Average throughput: 36.60 Mbit/s

95th percentile per-packet one-way delay: 355.072 ms

Loss rate: 3.93%

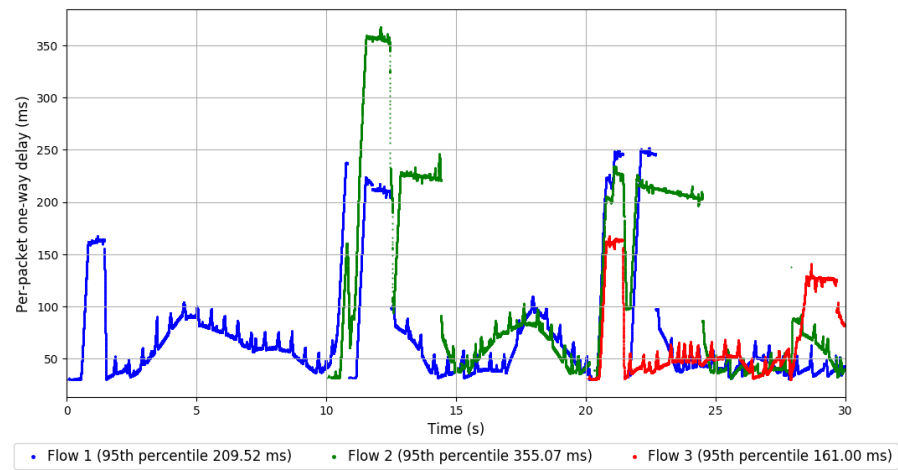
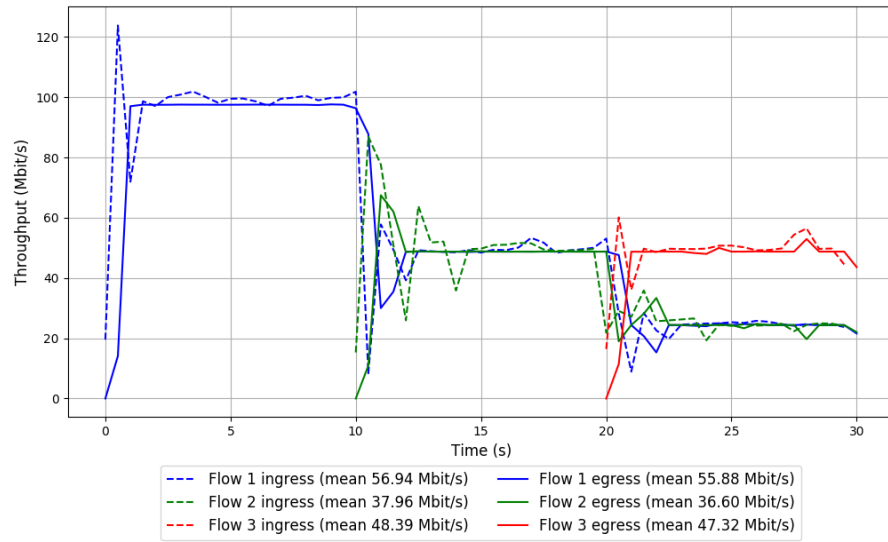
-- Flow 3:

Average throughput: 47.32 Mbit/s

95th percentile per-packet one-way delay: 161.001 ms

Loss rate: 2.86%

Run 5: Report of TCP BBR — Data Link



Run 1: Statistics of Copa

Start at: 2019-09-18 23:52:16

End at: 2019-09-18 23:52:46

Local clock offset: 4.222 ms

Remote clock offset: 6.888 ms

Below is generated by plot.py at 2019-09-19 06:55:50

Datalink statistics

-- Total of 3 flows:

Average throughput: 89.17 Mbit/s

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

Loss rate: 0.27%

-- Flow 1:

Average throughput: 50.68 Mbit/s

95th percentile per-packet one-way delay: 95.324 ms

Loss rate: 0.13%

-- Flow 2:

Average throughput: 48.26 Mbit/s

95th percentile per-packet one-way delay: 39.299 ms

Loss rate: 0.36%

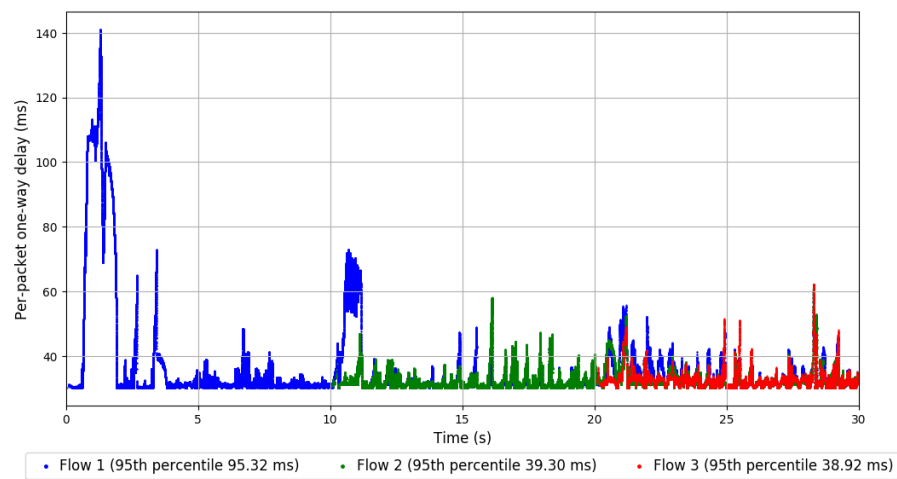
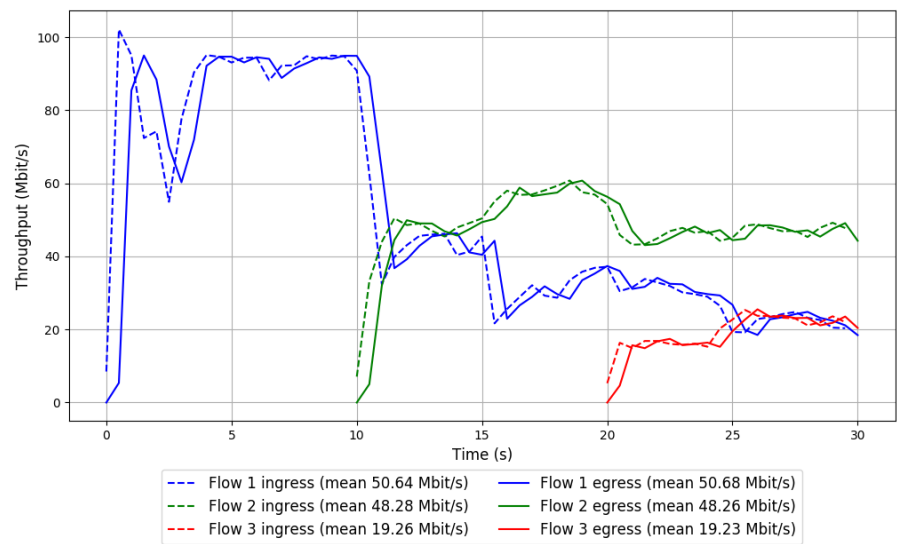
-- Flow 3:

Average throughput: 19.23 Mbit/s

95th percentile per-packet one-way delay: 38.917 ms

Loss rate: 0.84%

Run 1: Report of Copa — Data Link



Run 2: Statistics of Copa

Start at: 2019-09-19 02:07:25

End at: 2019-09-19 02:07:55

Local clock offset: -1.896 ms

Remote clock offset: 8.179 ms

Below is generated by plot.py at 2019-09-19 06:55:50

Datalink statistics

-- Total of 3 flows:

Average throughput: 77.41 Mbit/s

95th percentile per-packet one-way delay: 67.750 ms

Loss rate: 0.22%

-- Flow 1:

Average throughput: 50.15 Mbit/s

95th percentile per-packet one-way delay: 97.314 ms

Loss rate: 0.17%

-- Flow 2:

Average throughput: 31.84 Mbit/s

95th percentile per-packet one-way delay: 49.063 ms

Loss rate: 0.20%

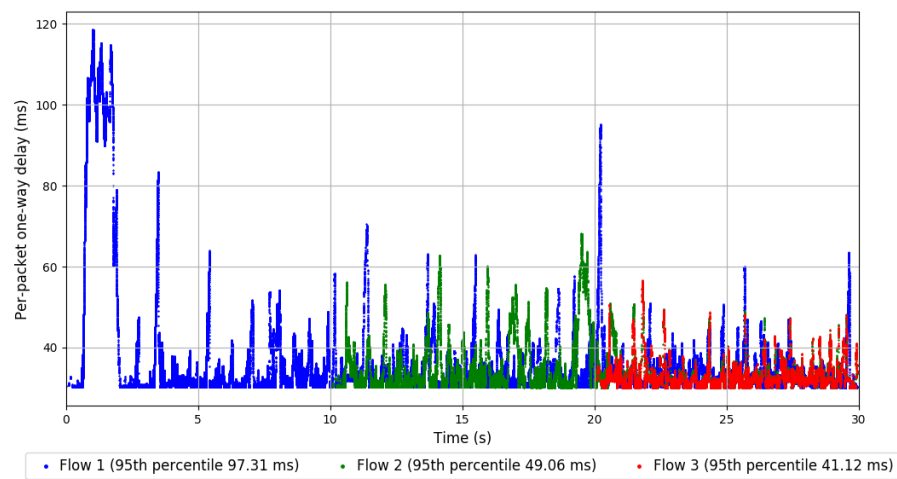
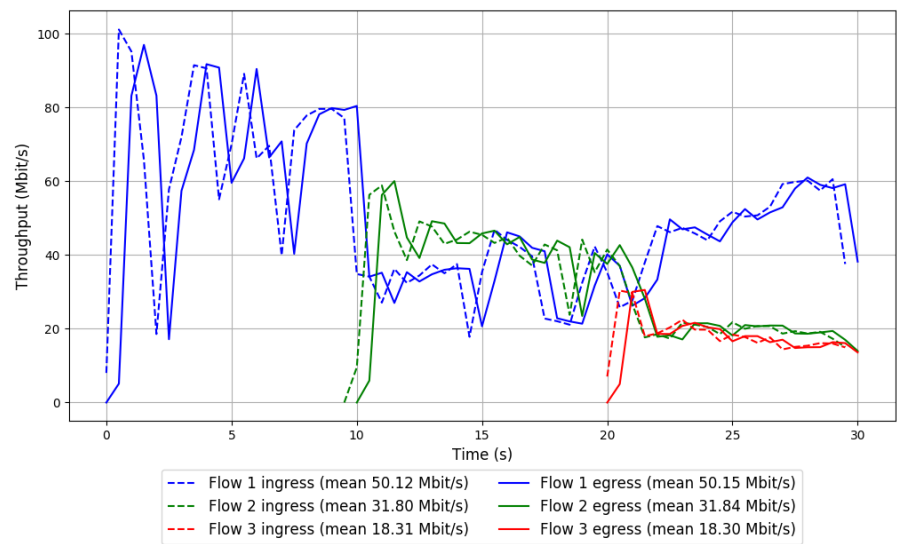
-- Flow 3:

Average throughput: 18.30 Mbit/s

95th percentile per-packet one-way delay: 41.121 ms

Loss rate: 0.68%

Run 2: Report of Copa — Data Link



Run 3: Statistics of Copa

Start at: 2019-09-19 04:06:03

End at: 2019-09-19 04:06:33

Local clock offset: -3.038 ms

Remote clock offset: 9.202 ms

Below is generated by plot.py at 2019-09-19 06:55:50

Datalink statistics

-- Total of 3 flows:

Average throughput: 84.79 Mbit/s

95th percentile per-packet one-way delay: 65.223 ms

Loss rate: 0.16%

-- Flow 1:

Average throughput: 59.05 Mbit/s

95th percentile per-packet one-way delay: 91.415 ms

Loss rate: 0.06%

-- Flow 2:

Average throughput: 19.22 Mbit/s

95th percentile per-packet one-way delay: 44.045 ms

Loss rate: 0.43%

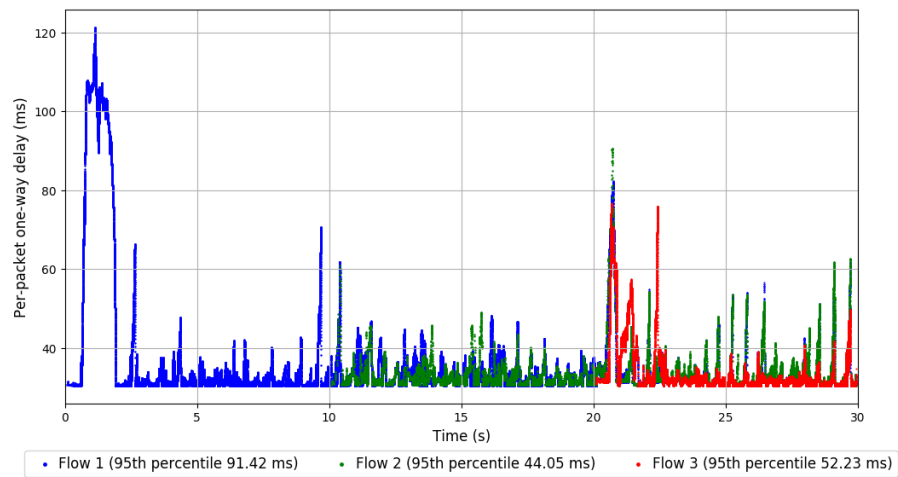
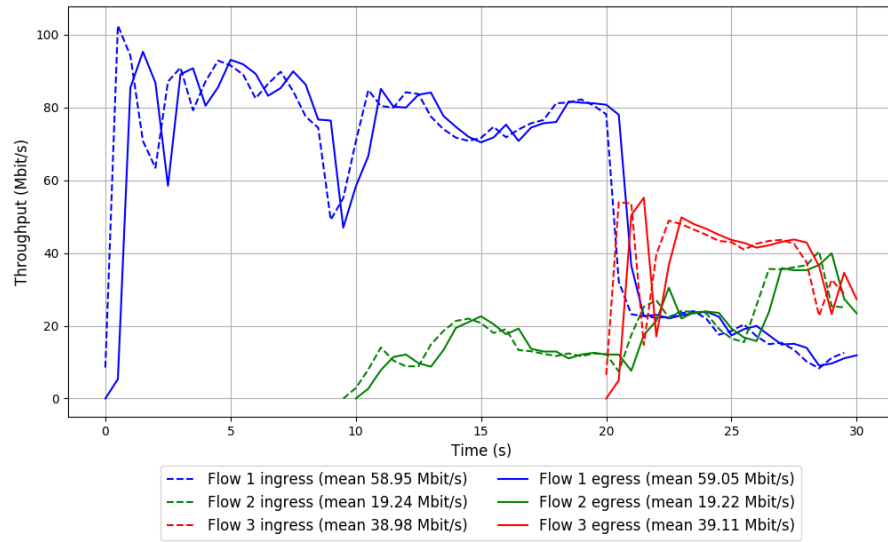
-- Flow 3:

Average throughput: 39.11 Mbit/s

95th percentile per-packet one-way delay: 52.234 ms

Loss rate: 0.34%

Run 3: Report of Copa — Data Link



Run 4: Statistics of Copa

Start at: 2019-09-19 05:16:21

End at: 2019-09-19 05:16:51

Local clock offset: 0.636 ms

Remote clock offset: 7.353 ms

Below is generated by plot.py at 2019-09-19 06:56:40

Datalink statistics

-- Total of 3 flows:

Average throughput: 81.43 Mbit/s

95th percentile per-packet one-way delay: 51.053 ms

Loss rate: 0.30%

-- Flow 1:

Average throughput: 48.11 Mbit/s

95th percentile per-packet one-way delay: 55.662 ms

Loss rate: 0.08%

-- Flow 2:

Average throughput: 31.60 Mbit/s

95th percentile per-packet one-way delay: 45.811 ms

Loss rate: 0.43%

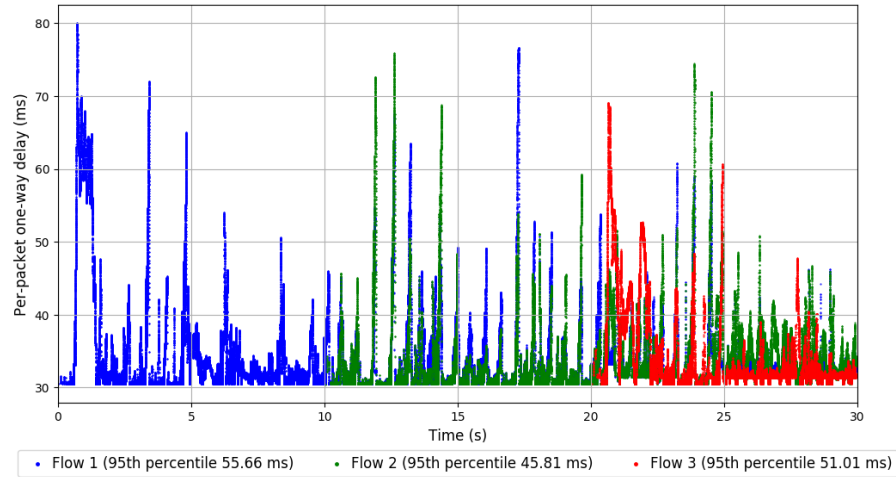
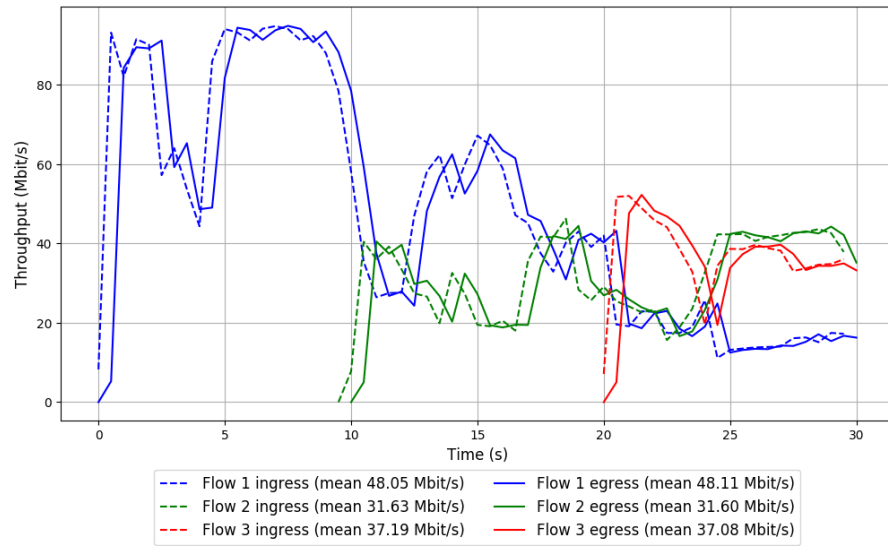
-- Flow 3:

Average throughput: 37.08 Mbit/s

95th percentile per-packet one-way delay: 51.013 ms

Loss rate: 0.93%

Run 4: Report of Copa — Data Link



Run 5: Statistics of Copa

Start at: 2019-09-19 06:17:43

End at: 2019-09-19 06:18:13

Local clock offset: 0.001 ms

Remote clock offset: 8.096 ms

Below is generated by plot.py at 2019-09-19 06:56:42

Datalink statistics

-- Total of 3 flows:

Average throughput: 81.94 Mbit/s

95th percentile per-packet one-way delay: 77.321 ms

Loss rate: 0.36%

-- Flow 1:

Average throughput: 51.66 Mbit/s

95th percentile per-packet one-way delay: 99.193 ms

Loss rate: 0.26%

-- Flow 2:

Average throughput: 31.74 Mbit/s

95th percentile per-packet one-way delay: 48.259 ms

Loss rate: 0.45%

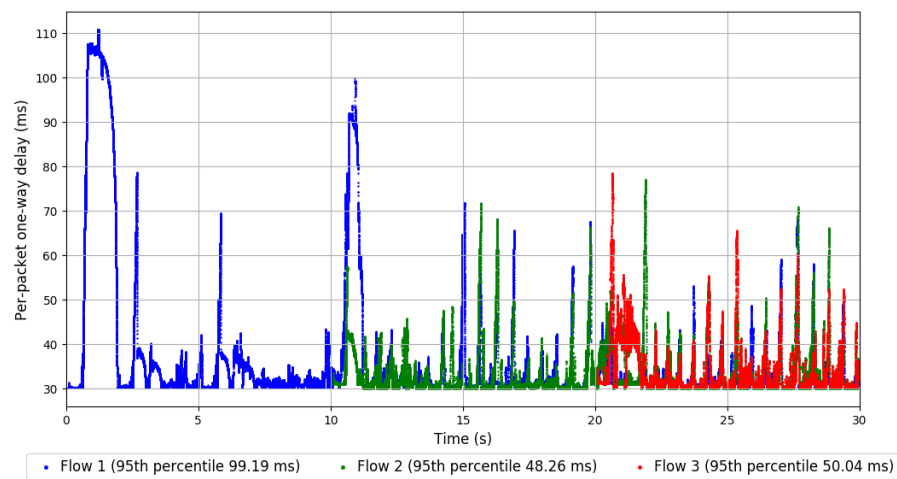
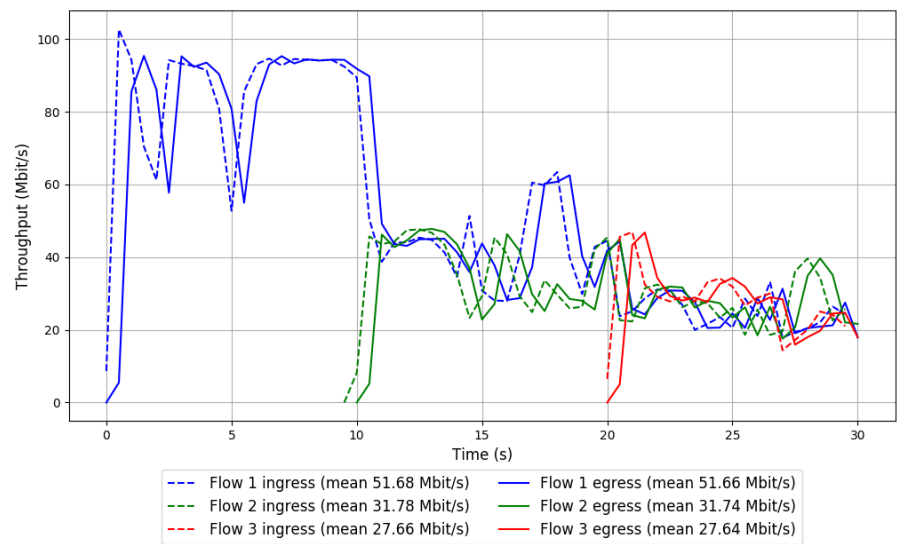
-- Flow 3:

Average throughput: 27.64 Mbit/s

95th percentile per-packet one-way delay: 50.040 ms

Loss rate: 0.77%

Run 5: Report of Copa — Data Link



Run 1: Statistics of TCP Cubic

Start at: 2019-09-19 00:59:31

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

Local clock offset: 3.8 ms

Remote clock offset: 8.427 ms

Below is generated by plot.py at 2019-09-19 06:56:42

Datalink statistics

-- Total of 3 flows:

Average throughput: 84.09 Mbit/s

95th percentile per-packet one-way delay: 43.504 ms

Loss rate: 0.27%

-- Flow 1:

Average throughput: 47.45 Mbit/s

95th percentile per-packet one-way delay: 45.561 ms

Loss rate: 0.14%

-- Flow 2:

Average throughput: 37.12 Mbit/s

95th percentile per-packet one-way delay: 40.577 ms

Loss rate: 0.32%

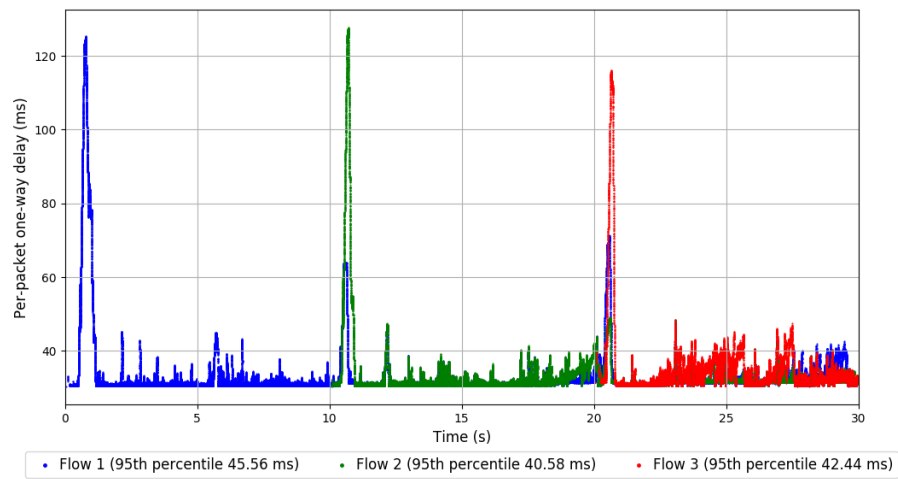
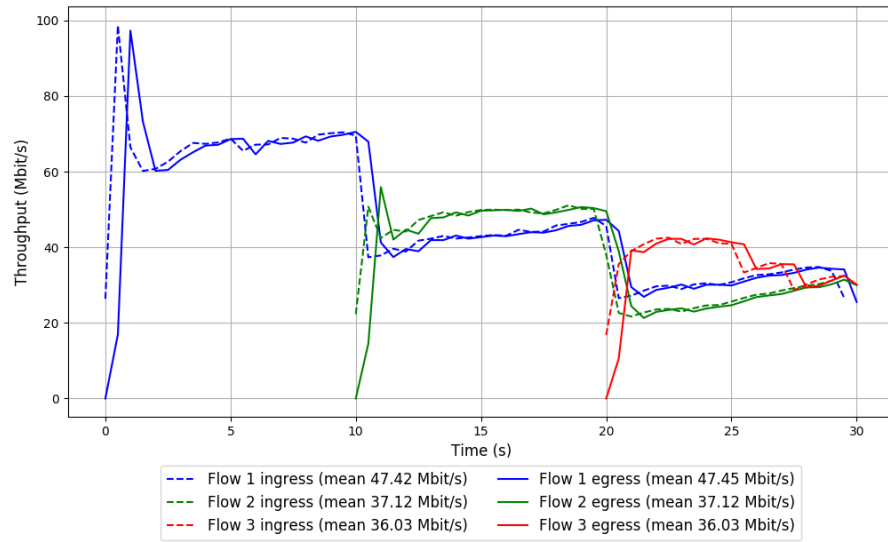
-- Flow 3:

Average throughput: 36.03 Mbit/s

95th percentile per-packet one-way delay: 42.443 ms

Loss rate: 0.63%

Run 1: Report of TCP Cubic — Data Link



Run 2: Statistics of TCP Cubic

Start at: 2019-09-19 03:08:38

End at: 2019-09-19 03:09:08

Local clock offset: -1.004 ms

Remote clock offset: 8.097 ms

Below is generated by plot.py at 2019-09-19 06:56:42

Datalink statistics

-- Total of 3 flows:

Average throughput: 91.78 Mbit/s

95th percentile per-packet one-way delay: 46.806 ms

Loss rate: 0.27%

-- Flow 1:

Average throughput: 61.85 Mbit/s

95th percentile per-packet one-way delay: 47.548 ms

Loss rate: 0.17%

-- Flow 2:

Average throughput: 32.16 Mbit/s

95th percentile per-packet one-way delay: 45.328 ms

Loss rate: 0.34%

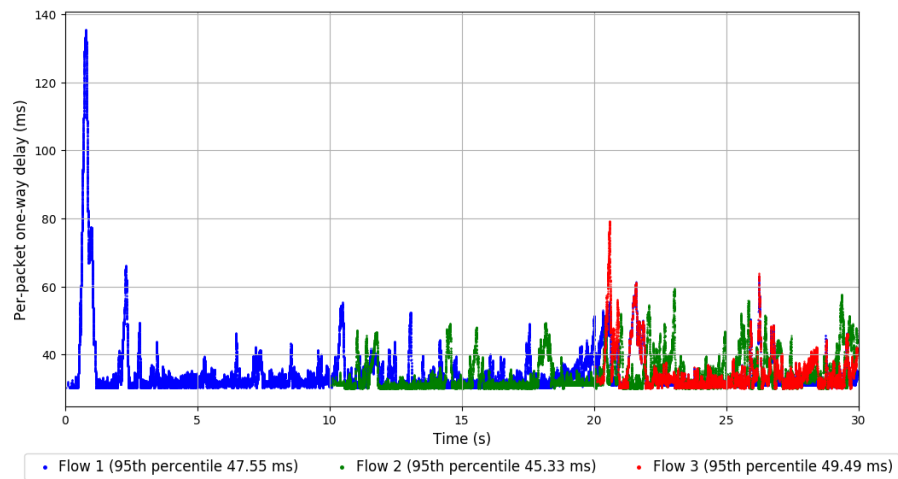
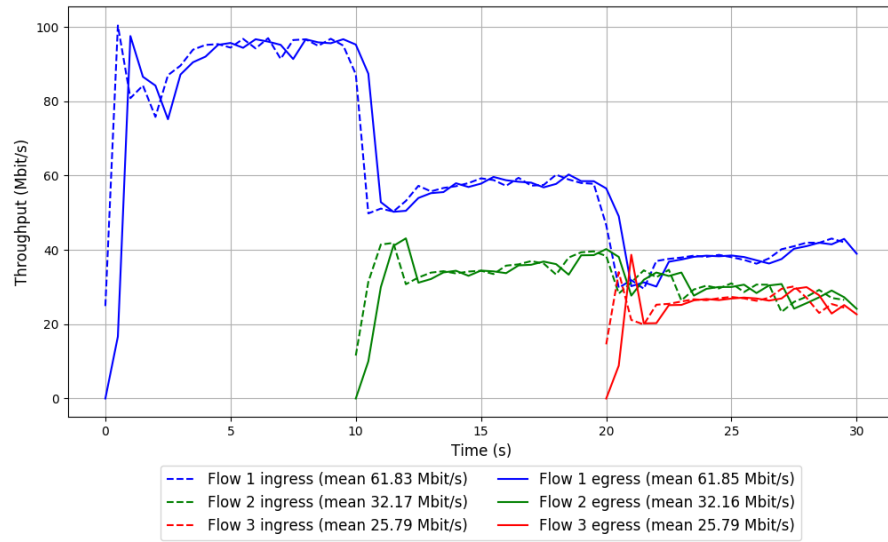
-- Flow 3:

Average throughput: 25.79 Mbit/s

95th percentile per-packet one-way delay: 49.493 ms

Loss rate: 0.75%

Run 2: Report of TCP Cubic — Data Link



Run 3: Statistics of TCP Cubic

Start at: 2019-09-19 04:38:12

End at: 2019-09-19 04:38:42

Local clock offset: -0.849 ms

Remote clock offset: 9.178 ms

Below is generated by plot.py at 2019-09-19 06:56:42

Datalink statistics

-- Total of 3 flows:

Average throughput: 85.17 Mbit/s

95th percentile per-packet one-way delay: 42.868 ms

Loss rate: 0.28%

-- Flow 1:

Average throughput: 51.83 Mbit/s

95th percentile per-packet one-way delay: 40.014 ms

Loss rate: 0.20%

-- Flow 2:

Average throughput: 38.03 Mbit/s

95th percentile per-packet one-way delay: 46.397 ms

Loss rate: 0.25%

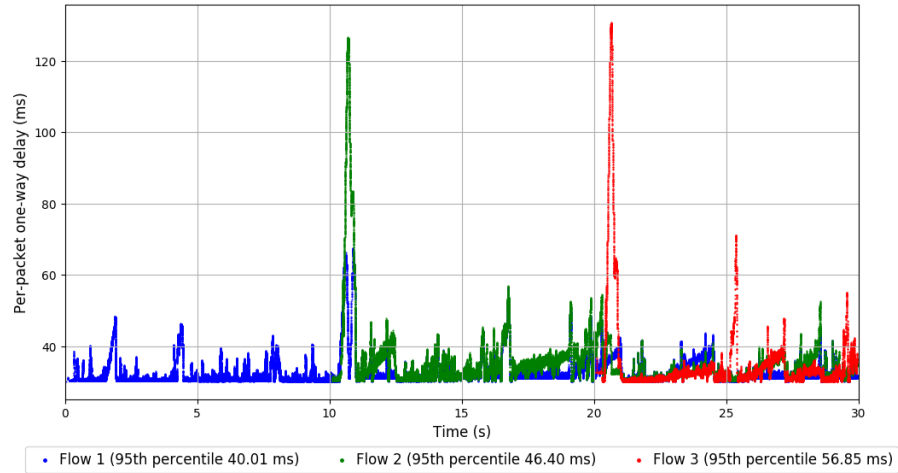
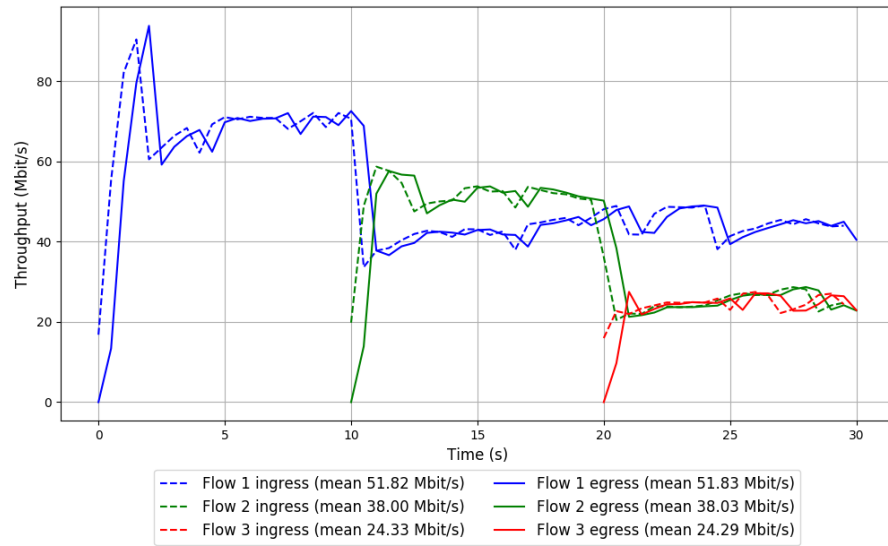
-- Flow 3:

Average throughput: 24.29 Mbit/s

95th percentile per-packet one-way delay: 56.852 ms

Loss rate: 0.82%

Run 3: Report of TCP Cubic — Data Link

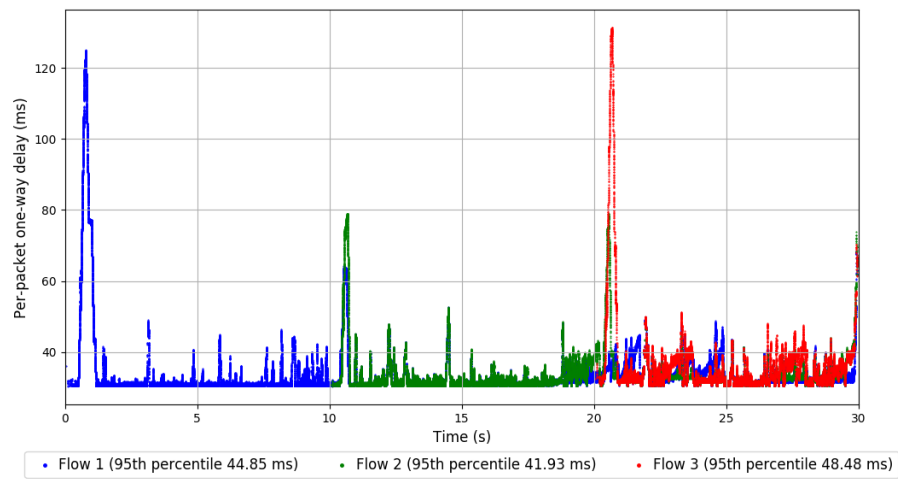
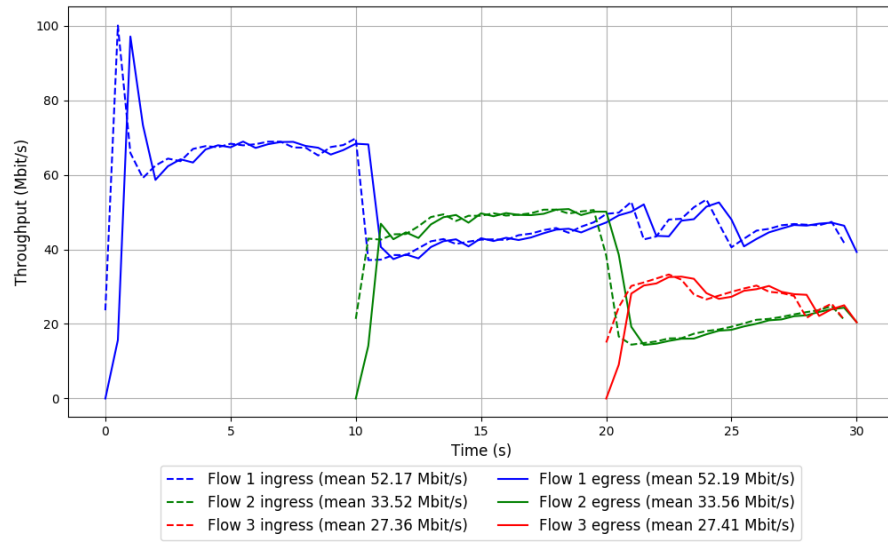


Run 4: Statistics of TCP Cubic

Start at: 2019-09-19 05:45:54
End at: 2019-09-19 05:46:24
Local clock offset: -2.617 ms
Remote clock offset: 7.613 ms

Below is generated by plot.py at 2019-09-19 06:56:42
Datalink statistics
-- Total of 3 flows:
Average throughput: 83.59 Mbit/s
95th percentile per-packet one-way delay: 44.477 ms
Loss rate: 0.23%
-- Flow 1:
Average throughput: 52.19 Mbit/s
95th percentile per-packet one-way delay: 44.853 ms
Loss rate: 0.20%
-- Flow 2:
Average throughput: 33.56 Mbit/s
95th percentile per-packet one-way delay: 41.927 ms
Loss rate: 0.20%
-- Flow 3:
Average throughput: 27.41 Mbit/s
95th percentile per-packet one-way delay: 48.483 ms
Loss rate: 0.49%

Run 4: Report of TCP Cubic — Data Link



Run 5: Statistics of TCP Cubic

Start at: 2019-09-19 06:42:33

End at: 2019-09-19 06:43:03

Local clock offset: 3.047 ms

Remote clock offset: 9.09 ms

Below is generated by plot.py at 2019-09-19 06:56:42

Datalink statistics

-- Total of 3 flows:

Average throughput: 84.24 Mbit/s

95th percentile per-packet one-way delay: 43.925 ms

Loss rate: 0.31%

-- Flow 1:

Average throughput: 44.57 Mbit/s

95th percentile per-packet one-way delay: 48.041 ms

Loss rate: 0.17%

-- Flow 2:

Average throughput: 36.32 Mbit/s

95th percentile per-packet one-way delay: 39.856 ms

Loss rate: 0.27%

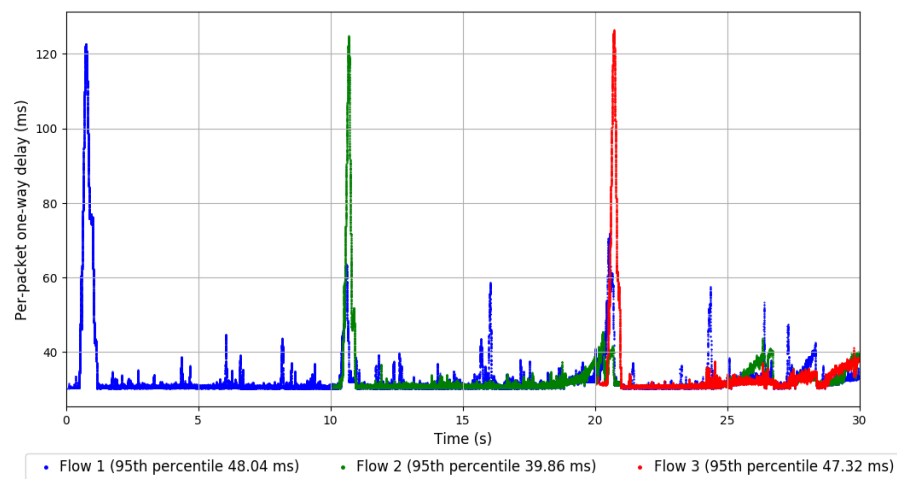
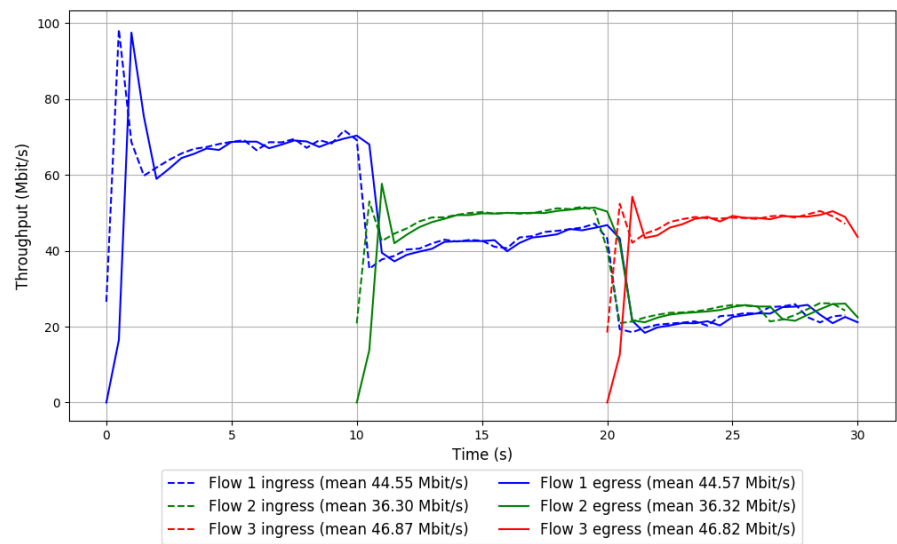
-- Flow 3:

Average throughput: 46.82 Mbit/s

95th percentile per-packet one-way delay: 47.324 ms

Loss rate: 0.77%

Run 5: Report of TCP Cubic — Data Link



Run 1: Statistics of FillP

Start at: 2019-09-18 22:43:55

End at: 2019-09-18 22:44:25

Local clock offset: -3.075 ms

Remote clock offset: 7.563 ms

Below is generated by plot.py at 2019-09-19 06:57:09

Datalink statistics

-- Total of 3 flows:

Average throughput: 95.53 Mbit/s

95th percentile per-packet one-way delay: 132.607 ms

Loss rate: 1.79%

-- Flow 1:

Average throughput: 58.74 Mbit/s

95th percentile per-packet one-way delay: 129.020 ms

Loss rate: 1.79%

-- Flow 2:

Average throughput: 40.06 Mbit/s

95th percentile per-packet one-way delay: 129.782 ms

Loss rate: 1.95%

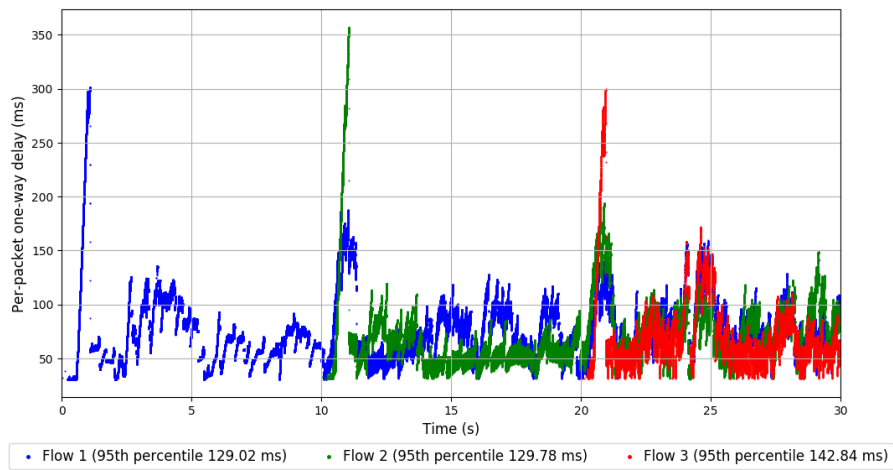
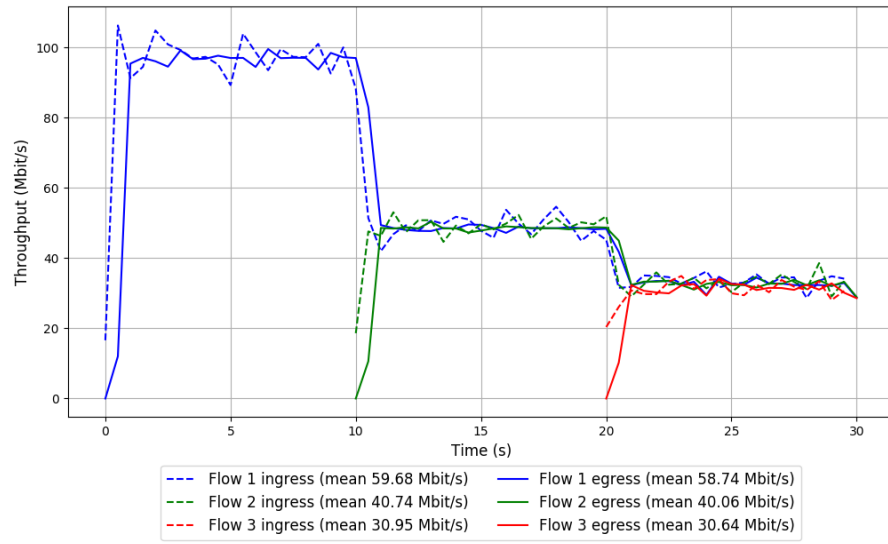
-- Flow 3:

Average throughput: 30.64 Mbit/s

95th percentile per-packet one-way delay: 142.842 ms

Loss rate: 1.35%

Run 1: Report of FillP — Data Link



Run 2: Statistics of FillP

Start at: 2019-09-19 01:19:43

End at: 2019-09-19 01:20:13

Local clock offset: 3.852 ms

Remote clock offset: 7.656 ms

Below is generated by plot.py at 2019-09-19 06:57:12

Datalink statistics

-- Total of 3 flows:

Average throughput: 95.41 Mbit/s

95th percentile per-packet one-way delay: 113.431 ms

Loss rate: 1.41%

-- Flow 1:

Average throughput: 55.94 Mbit/s

95th percentile per-packet one-way delay: 128.103 ms

Loss rate: 0.73%

-- Flow 2:

Average throughput: 47.53 Mbit/s

95th percentile per-packet one-way delay: 107.964 ms

Loss rate: 2.02%

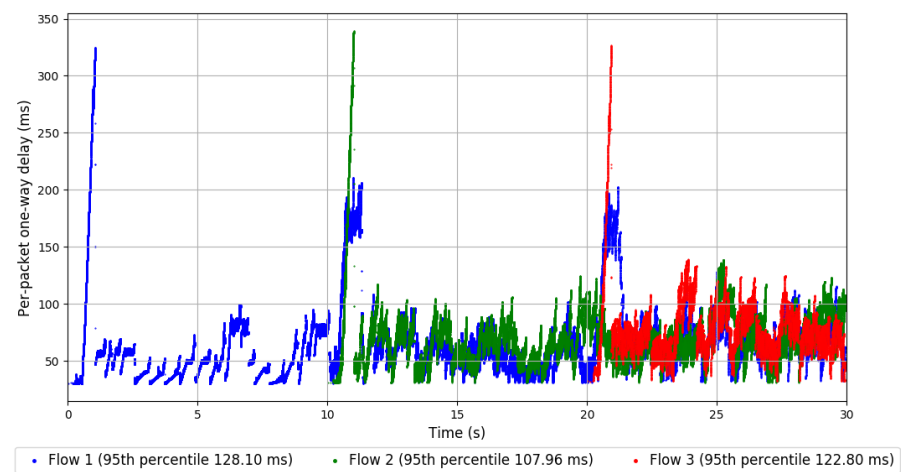
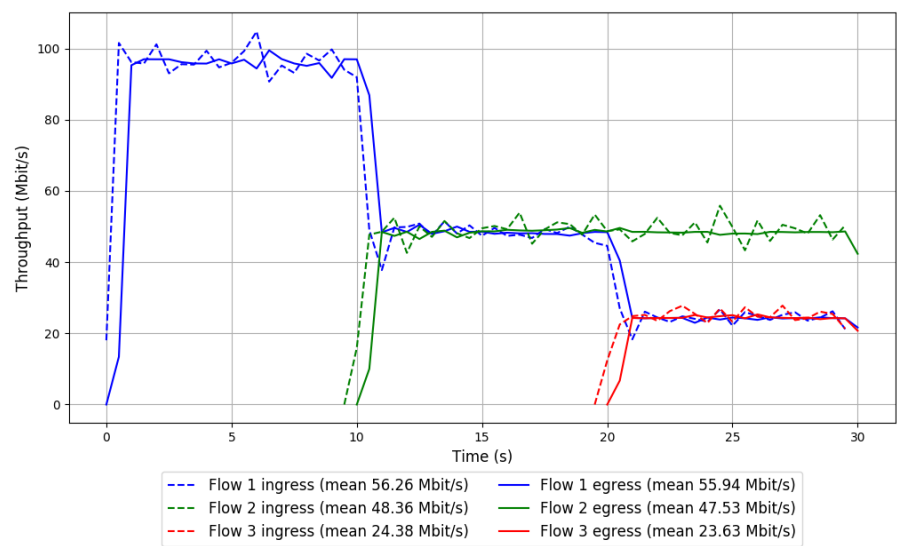
-- Flow 3:

Average throughput: 23.63 Mbit/s

95th percentile per-packet one-way delay: 122.802 ms

Loss rate: 3.70%

Run 2: Report of FillP — Data Link

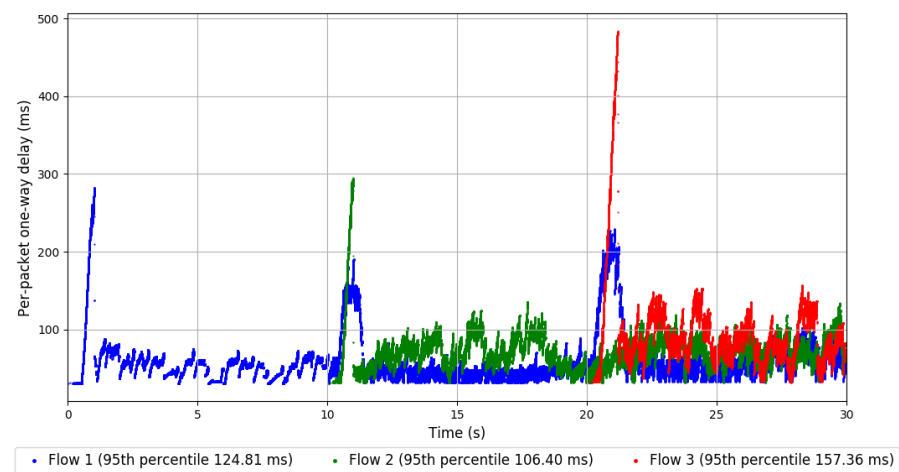
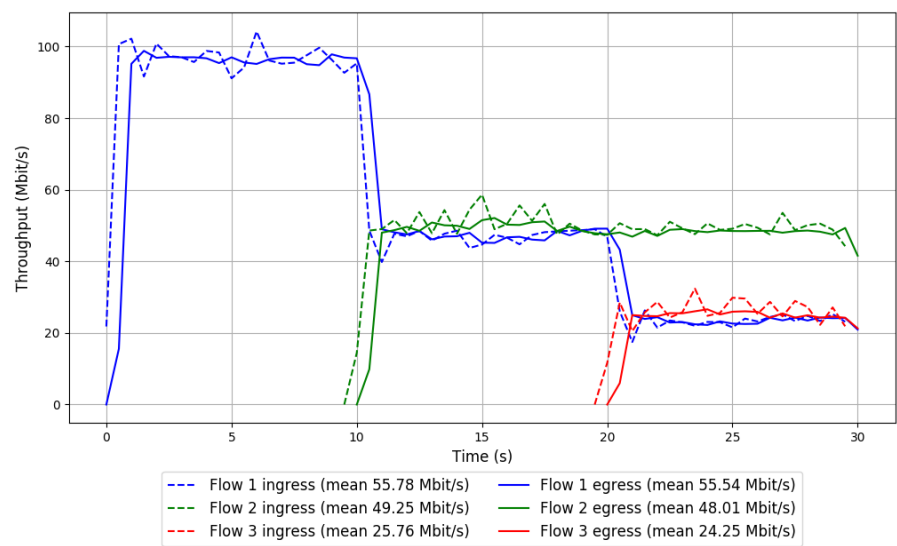


Run 3: Statistics of FillP

Start at: 2019-09-19 03:42:02
End at: 2019-09-19 03:42:32
Local clock offset: -2.127 ms
Remote clock offset: 8.809 ms

Below is generated by plot.py at 2019-09-19 06:57:14
Datalink statistics
-- Total of 3 flows:
Average throughput: 95.53 Mbit/s
95th percentile per-packet one-way delay: 123.409 ms
Loss rate: 1.90%
-- Flow 1:
Average throughput: 55.54 Mbit/s
95th percentile per-packet one-way delay: 124.808 ms
Loss rate: 0.65%
-- Flow 2:
Average throughput: 48.01 Mbit/s
95th percentile per-packet one-way delay: 106.404 ms
Loss rate: 2.83%
-- Flow 3:
Average throughput: 24.25 Mbit/s
95th percentile per-packet one-way delay: 157.362 ms
Loss rate: 6.44%

Run 3: Report of FillP — Data Link

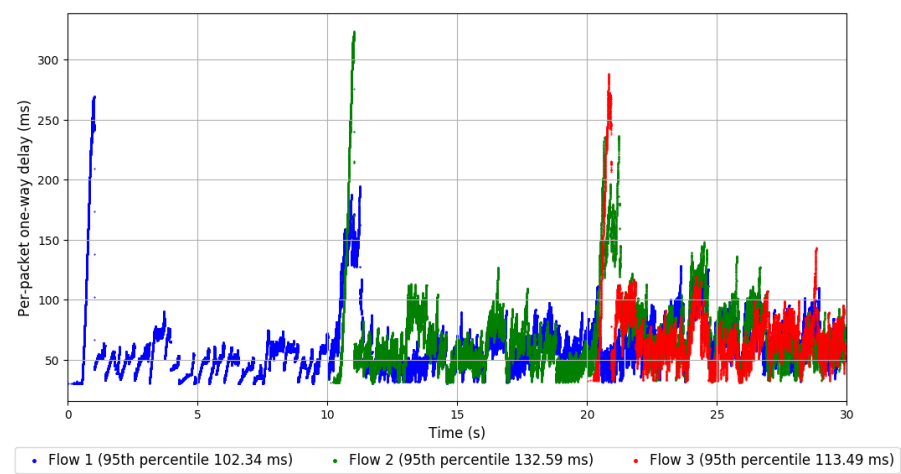
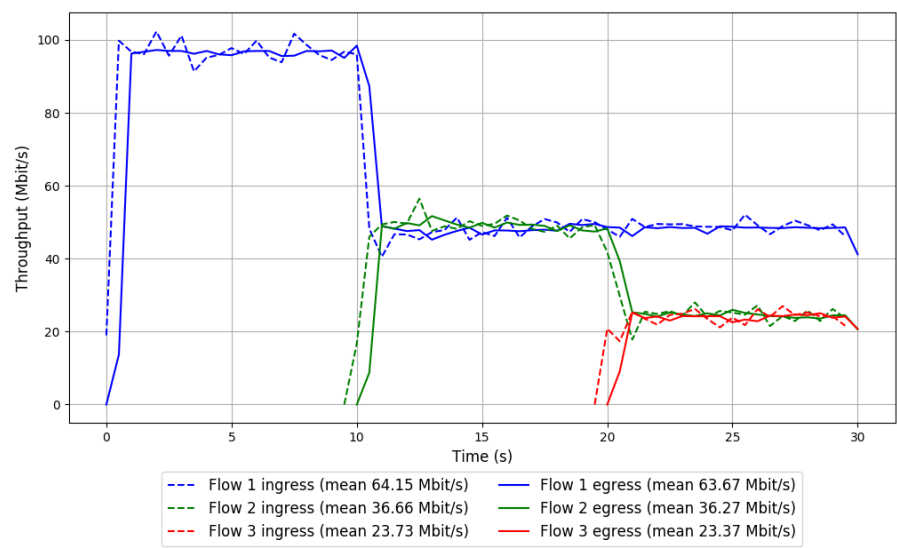


Run 4: Statistics of FillP

Start at: 2019-09-19 04:50:34
End at: 2019-09-19 04:51:04
Local clock offset: 0.559 ms
Remote clock offset: 7.836 ms

Below is generated by plot.py at 2019-09-19 06:57:18
Datalink statistics
-- Total of 3 flows:
Average throughput: 95.54 Mbit/s
95th percentile per-packet one-way delay: 111.300 ms
Loss rate: 1.15%
-- Flow 1:
Average throughput: 63.67 Mbit/s
95th percentile per-packet one-way delay: 102.338 ms
Loss rate: 0.94%
-- Flow 2:
Average throughput: 36.27 Mbit/s
95th percentile per-packet one-way delay: 132.587 ms
Loss rate: 1.40%
-- Flow 3:
Average throughput: 23.37 Mbit/s
95th percentile per-packet one-way delay: 113.493 ms
Loss rate: 2.03%

Run 4: Report of FillP — Data Link



Run 5: Statistics of FillP

Start at: 2019-09-19 05:57:39

End at: 2019-09-19 05:58:09

Local clock offset: -3.433 ms

Remote clock offset: 7.772 ms

Below is generated by plot.py at 2019-09-19 06:57:50

Datalink statistics

-- Total of 3 flows:

Average throughput: 95.59 Mbit/s

95th percentile per-packet one-way delay: 125.221 ms

Loss rate: 1.50%

-- Flow 1:

Average throughput: 56.52 Mbit/s

95th percentile per-packet one-way delay: 158.183 ms

Loss rate: 1.70%

-- Flow 2:

Average throughput: 47.22 Mbit/s

95th percentile per-packet one-way delay: 97.662 ms

Loss rate: 1.12%

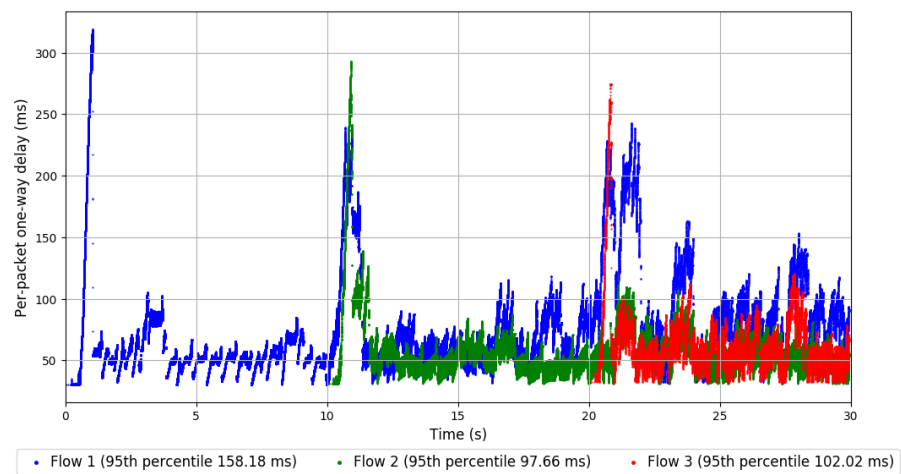
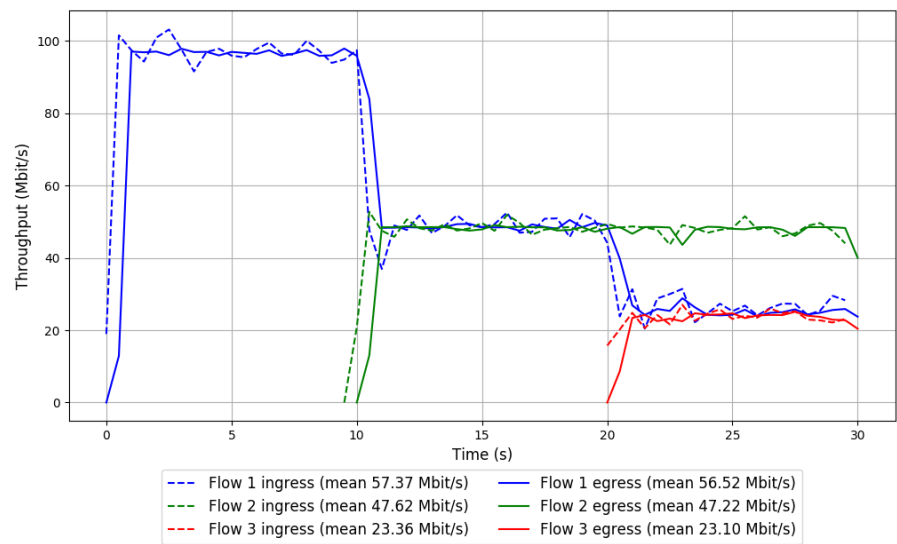
-- Flow 3:

Average throughput: 23.10 Mbit/s

95th percentile per-packet one-way delay: 102.022 ms

Loss rate: 1.61%

Run 5: Report of FillP — Data Link



Run 1: Statistics of FillP-Sheep

Start at: 2019-09-19 00:21:03

End at: 2019-09-19 00:21:33

Local clock offset: 0.643 ms

Remote clock offset: 8.669 ms

Below is generated by plot.py at 2019-09-19 06:57:56

Datalink statistics

-- Total of 3 flows:

Average throughput: 94.41 Mbit/s

95th percentile per-packet one-way delay: 102.634 ms

Loss rate: 0.45%

-- Flow 1:

Average throughput: 56.87 Mbit/s

95th percentile per-packet one-way delay: 98.655 ms

Loss rate: 0.22%

-- Flow 2:

Average throughput: 41.54 Mbit/s

95th percentile per-packet one-way delay: 113.758 ms

Loss rate: 0.70%

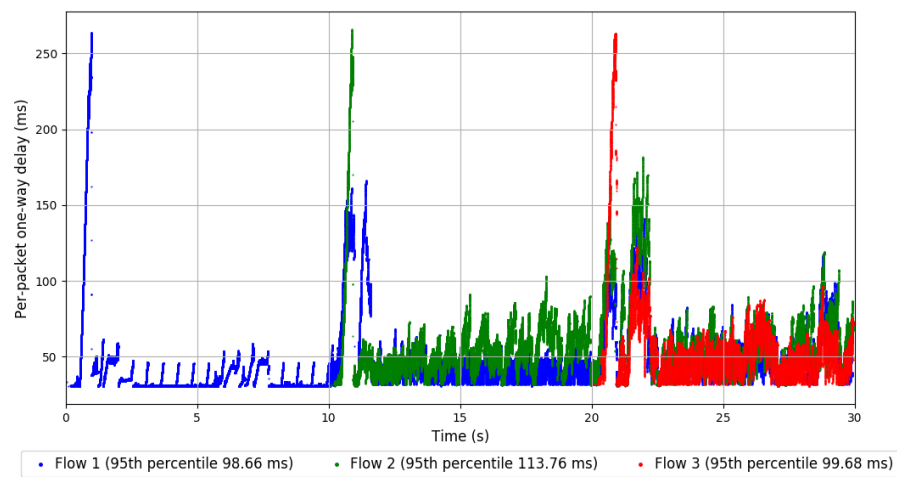
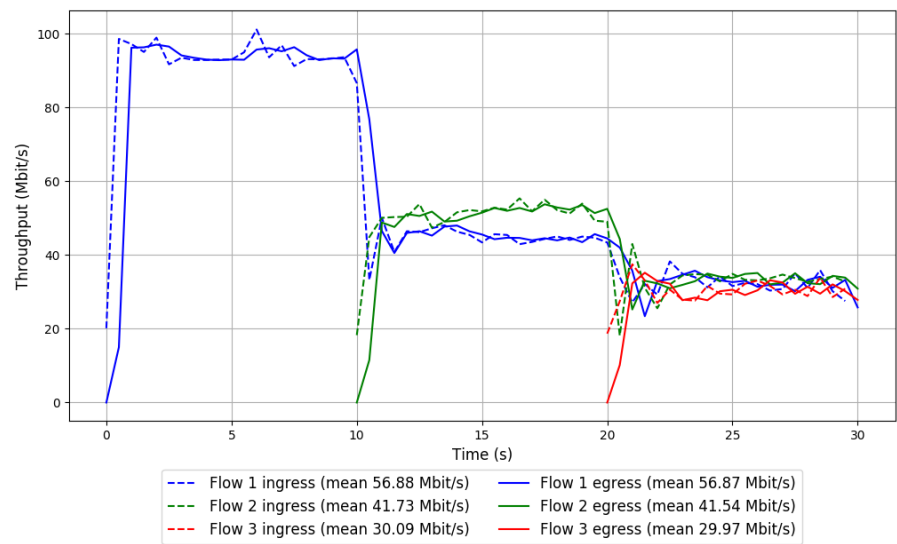
-- Flow 3:

Average throughput: 29.97 Mbit/s

95th percentile per-packet one-way delay: 99.678 ms

Loss rate: 1.02%

Run 1: Report of FillP-Sheep — Data Link



Run 2: Statistics of FillP-Sheep

Start at: 2019-09-19 02:23:37

End at: 2019-09-19 02:24:07

Local clock offset: 0.341 ms

Remote clock offset: 8.255 ms

Below is generated by plot.py at 2019-09-19 06:58:00

Datalink statistics

-- Total of 3 flows:

Average throughput: 94.60 Mbit/s

95th percentile per-packet one-way delay: 101.968 ms

Loss rate: 0.58%

-- Flow 1:

Average throughput: 56.52 Mbit/s

95th percentile per-packet one-way delay: 91.323 ms

Loss rate: 0.33%

-- Flow 2:

Average throughput: 41.60 Mbit/s

95th percentile per-packet one-way delay: 119.074 ms

Loss rate: 0.84%

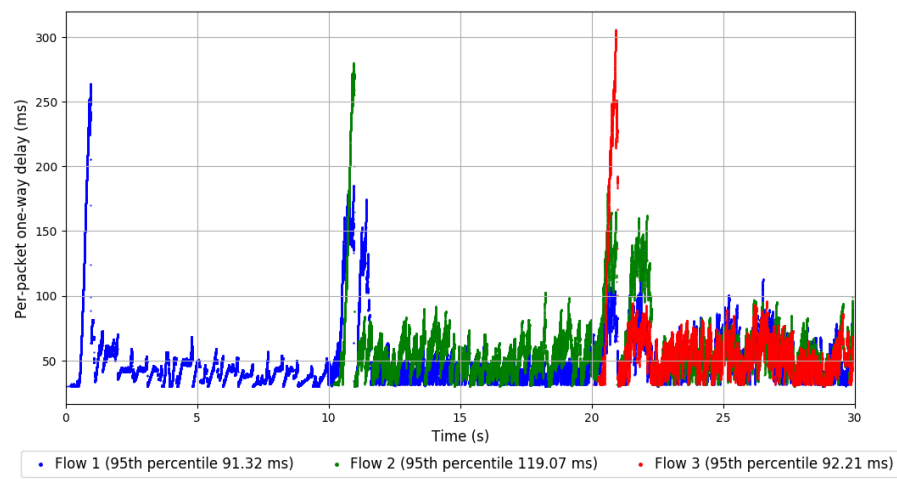
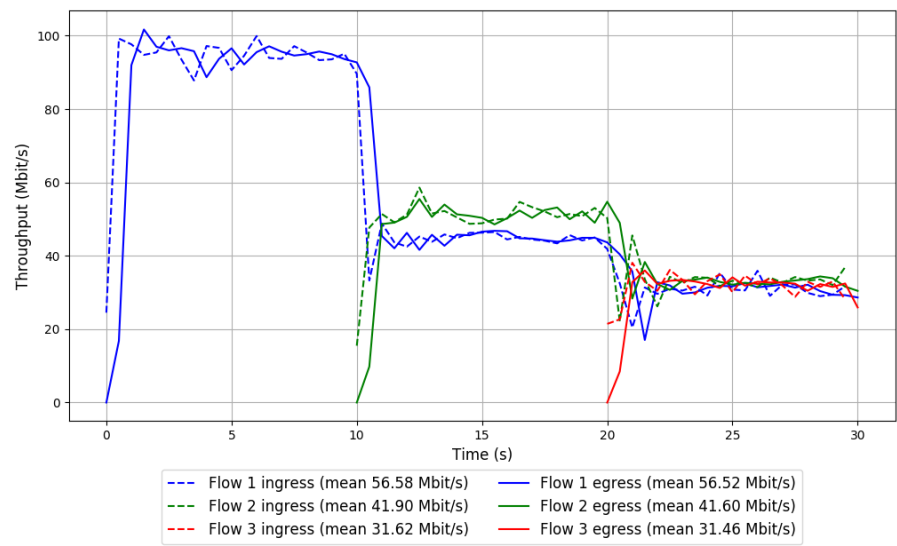
-- Flow 3:

Average throughput: 31.46 Mbit/s

95th percentile per-packet one-way delay: 92.213 ms

Loss rate: 1.19%

Run 2: Report of FillP-Sheep — Data Link



Run 3: Statistics of FillP-Sheep

Start at: 2019-09-19 04:15:19

End at: 2019-09-19 04:15:49

Local clock offset: -2.945 ms

Remote clock offset: 9.049 ms

Below is generated by plot.py at 2019-09-19 06:58:01

Datalink statistics

-- Total of 3 flows:

Average throughput: 94.37 Mbit/s

95th percentile per-packet one-way delay: 109.533 ms

Loss rate: 0.61%

-- Flow 1:

Average throughput: 57.48 Mbit/s

95th percentile per-packet one-way delay: 97.584 ms

Loss rate: 0.38%

-- Flow 2:

Average throughput: 39.52 Mbit/s

95th percentile per-packet one-way delay: 117.179 ms

Loss rate: 0.85%

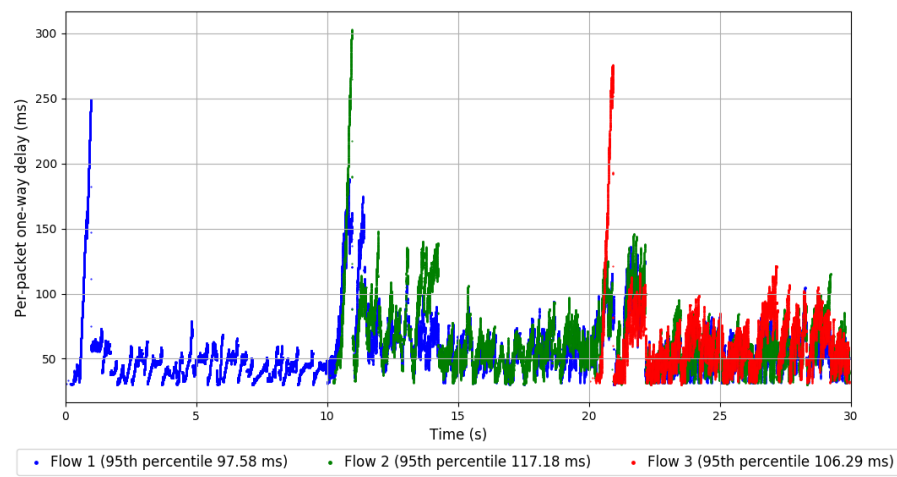
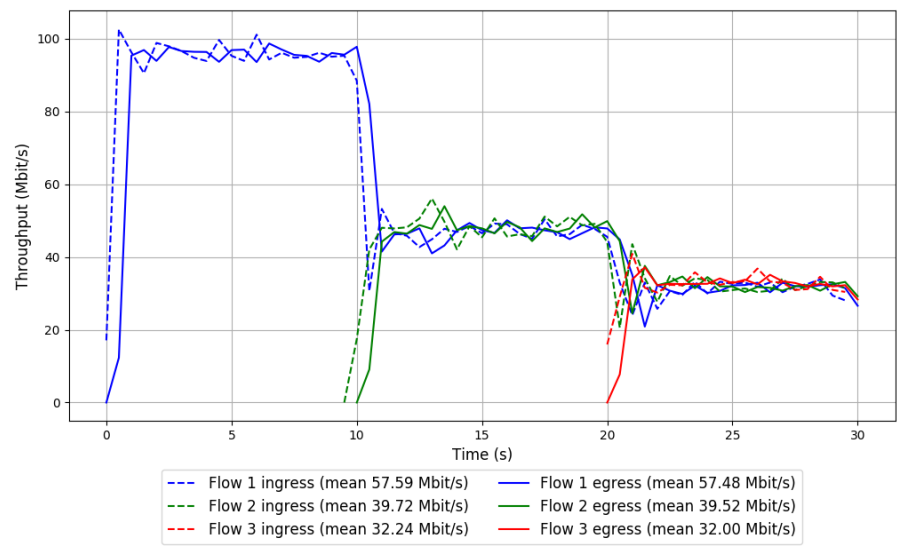
-- Flow 3:

Average throughput: 32.00 Mbit/s

95th percentile per-packet one-way delay: 106.293 ms

Loss rate: 1.25%

Run 3: Report of FillP-Sheep — Data Link



Run 4: Statistics of FillP-Sheep

Start at: 2019-09-19 05:25:57

End at: 2019-09-19 05:26:27

Local clock offset: 0.688 ms

Remote clock offset: 7.533 ms

Below is generated by plot.py at 2019-09-19 06:58:28

Datalink statistics

-- Total of 3 flows:

Average throughput: 94.88 Mbit/s

95th percentile per-packet one-way delay: 121.295 ms

Loss rate: 0.55%

-- Flow 1:

Average throughput: 61.05 Mbit/s

95th percentile per-packet one-way delay: 70.259 ms

Loss rate: 0.29%

-- Flow 2:

Average throughput: 37.56 Mbit/s

95th percentile per-packet one-way delay: 151.057 ms

Loss rate: 0.74%

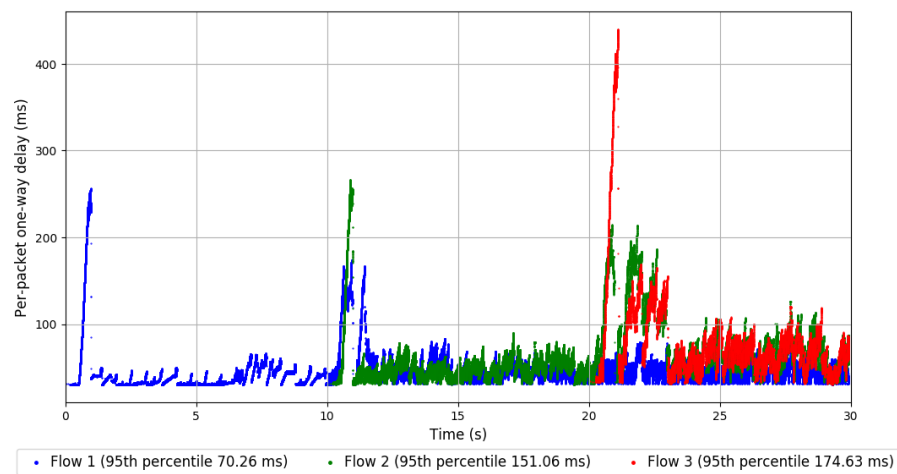
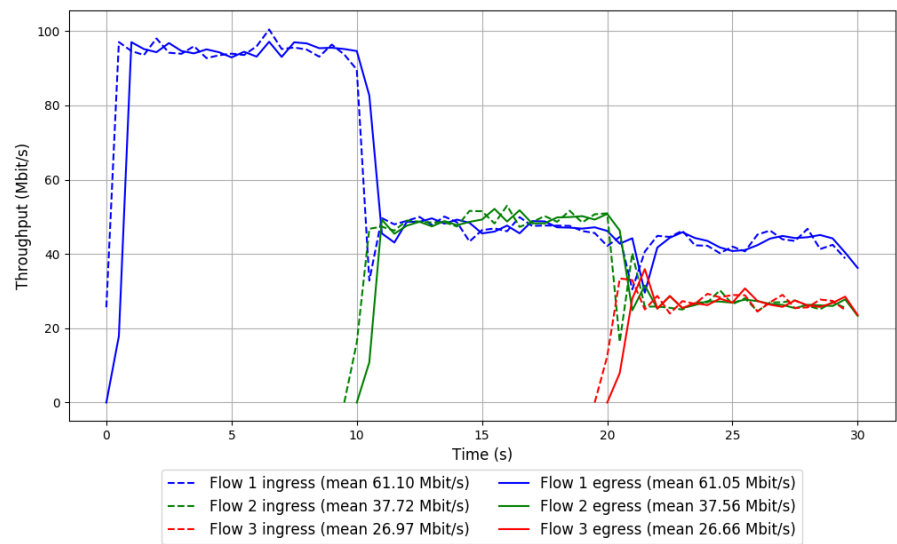
-- Flow 3:

Average throughput: 26.66 Mbit/s

95th percentile per-packet one-way delay: 174.629 ms

Loss rate: 1.83%

Run 4: Report of FillP-Sheep — Data Link



Run 5: Statistics of FillP-Sheep

Start at: 2019-09-19 06:23:35

End at: 2019-09-19 06:24:05

Local clock offset: 0.373 ms

Remote clock offset: 8.261 ms

Below is generated by plot.py at 2019-09-19 06:58:32

Datalink statistics

-- Total of 3 flows:

Average throughput: 94.93 Mbit/s

95th percentile per-packet one-way delay: 115.267 ms

Loss rate: 0.61%

-- Flow 1:

Average throughput: 56.19 Mbit/s

95th percentile per-packet one-way delay: 122.388 ms

Loss rate: 0.32%

-- Flow 2:

Average throughput: 44.62 Mbit/s

95th percentile per-packet one-way delay: 71.961 ms

Loss rate: 0.52%

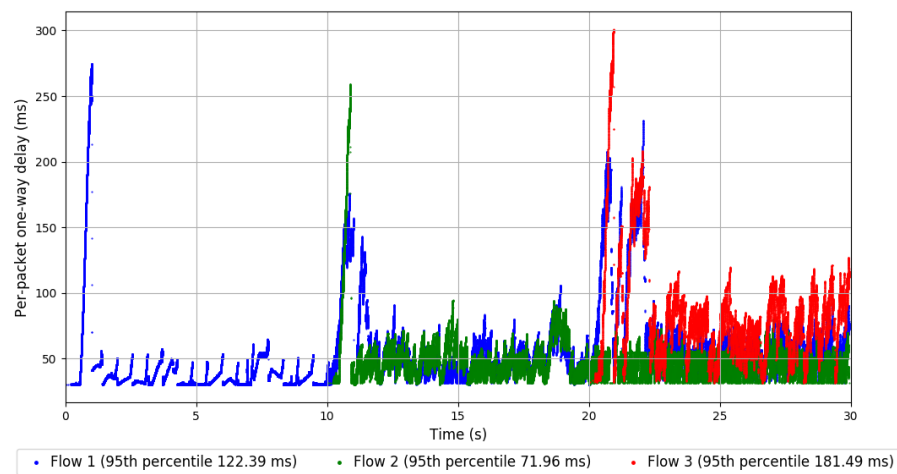
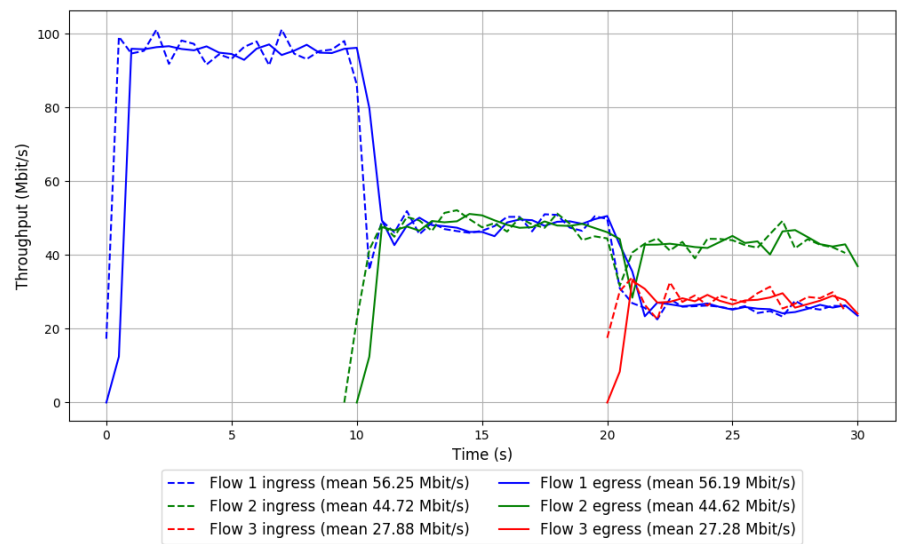
-- Flow 3:

Average throughput: 27.28 Mbit/s

95th percentile per-packet one-way delay: 181.493 ms

Loss rate: 2.64%

Run 5: Report of FillP-Sheep — Data Link

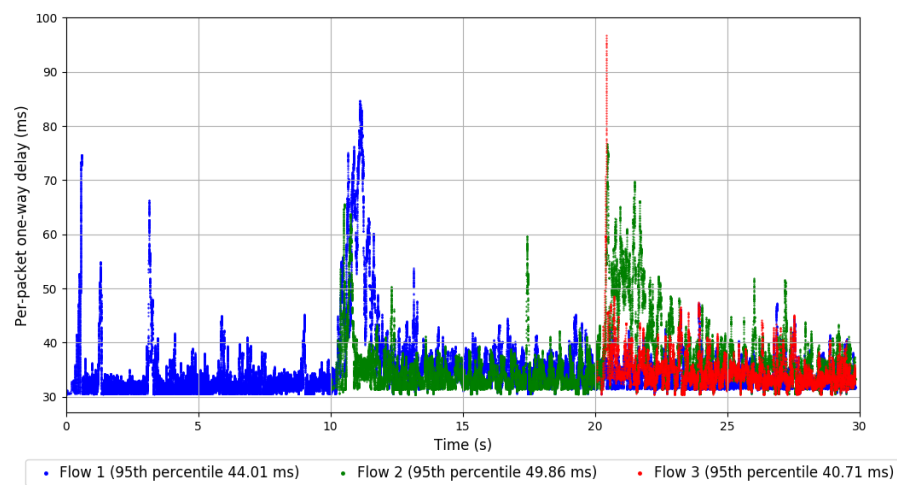
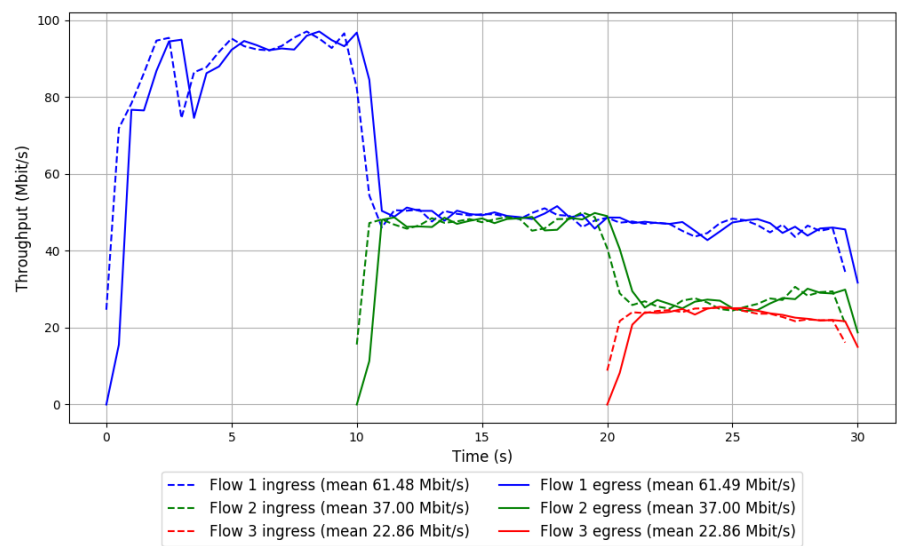


```
Run 1: Statistics of Indigo

Start at: 2019-09-19 00:17:26
End at: 2019-09-19 00:17:56
Local clock offset: 0.834 ms
Remote clock offset: 8.46 ms

# Below is generated by plot.py at 2019-09-19 06:58:32
# Datalink statistics
-- Total of 3 flows:
Average throughput: 93.56 Mbit/s
95th percentile per-packet one-way delay: 45.338 ms
Loss rate: 0.26%
-- Flow 1:
Average throughput: 61.49 Mbit/s
95th percentile per-packet one-way delay: 44.010 ms
Loss rate: 0.19%
-- Flow 2:
Average throughput: 37.00 Mbit/s
95th percentile per-packet one-way delay: 49.858 ms
Loss rate: 0.31%
-- Flow 3:
Average throughput: 22.86 Mbit/s
95th percentile per-packet one-way delay: 40.706 ms
Loss rate: 0.67%
```

Run 1: Report of Indigo — Data Link



Run 2: Statistics of Indigo

Start at: 2019-09-19 02:15:59

End at: 2019-09-19 02:16:29

Local clock offset: -0.371 ms

Remote clock offset: 8.159 ms

Below is generated by plot.py at 2019-09-19 06:58:32

Datalink statistics

-- Total of 3 flows:

Average throughput: 87.84 Mbit/s

95th percentile per-packet one-way delay: 44.572 ms

Loss rate: 0.27%

-- Flow 1:

Average throughput: 58.20 Mbit/s

95th percentile per-packet one-way delay: 46.313 ms

Loss rate: 0.17%

-- Flow 2:

Average throughput: 28.61 Mbit/s

95th percentile per-packet one-way delay: 40.244 ms

Loss rate: 0.34%

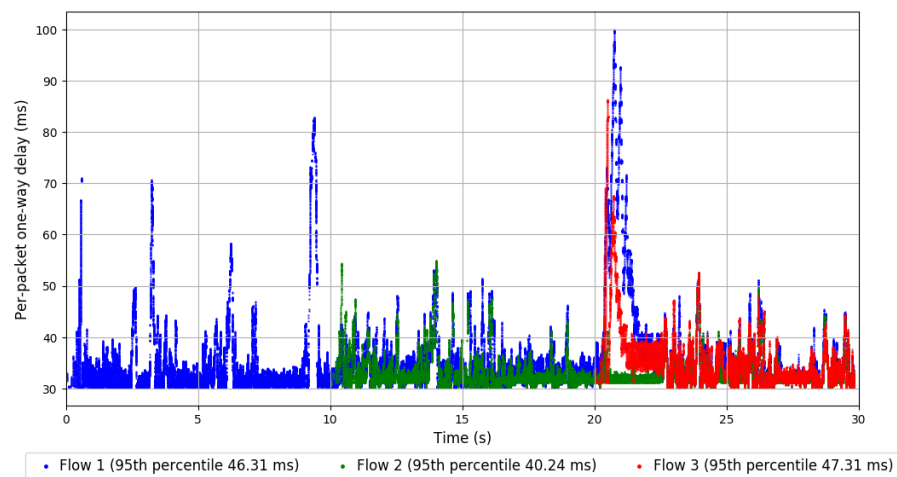
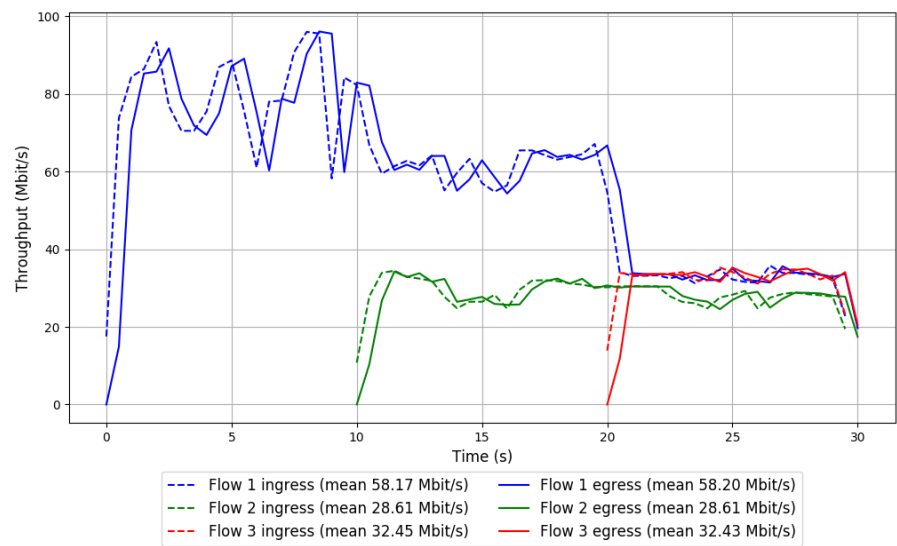
-- Flow 3:

Average throughput: 32.43 Mbit/s

95th percentile per-packet one-way delay: 47.314 ms

Loss rate: 0.72%

Run 2: Report of Indigo — Data Link

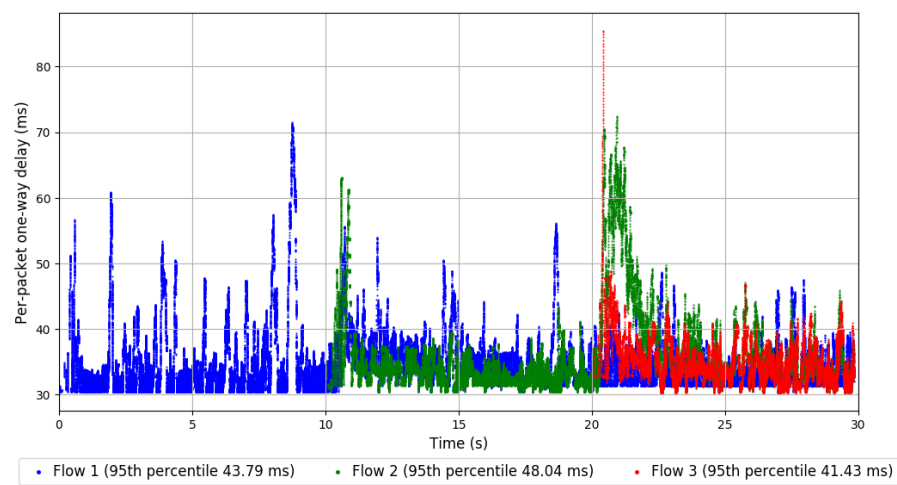
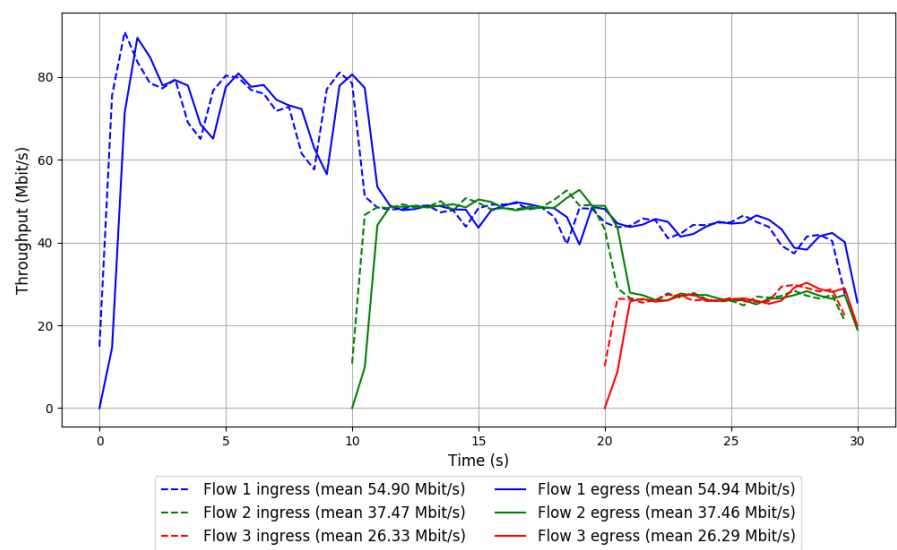


Run 3: Statistics of Indigo

Start at: 2019-09-19 04:11:50
End at: 2019-09-19 04:12:20
Local clock offset: -2.95 ms
Remote clock offset: 9.2 ms

```
# Below is generated by plot.py at 2019-09-19 06:58:53
# Datalink statistics
-- Total of 3 flows:
Average throughput: 88.45 Mbit/s
95th percentile per-packet one-way delay: 44.309 ms
Loss rate: 0.28%
-- Flow 1:
Average throughput: 54.94 Mbit/s
95th percentile per-packet one-way delay: 43.790 ms
Loss rate: 0.15%
-- Flow 2:
Average throughput: 37.46 Mbit/s
95th percentile per-packet one-way delay: 48.044 ms
Loss rate: 0.37%
-- Flow 3:
Average throughput: 26.29 Mbit/s
95th percentile per-packet one-way delay: 41.426 ms
Loss rate: 0.84%
```

Run 3: Report of Indigo — Data Link



Run 4: Statistics of Indigo

Start at: 2019-09-19 05:21:52

End at: 2019-09-19 05:22:22

Local clock offset: 0.672 ms

Remote clock offset: 7.648 ms

Below is generated by plot.py at 2019-09-19 06:59:03

Datalink statistics

-- Total of 3 flows:

Average throughput: 94.21 Mbit/s

95th percentile per-packet one-way delay: 43.807 ms

Loss rate: 0.26%

-- Flow 1:

Average throughput: 58.03 Mbit/s

95th percentile per-packet one-way delay: 45.444 ms

Loss rate: 0.15%

-- Flow 2:

Average throughput: 39.07 Mbit/s

95th percentile per-packet one-way delay: 42.750 ms

Loss rate: 0.29%

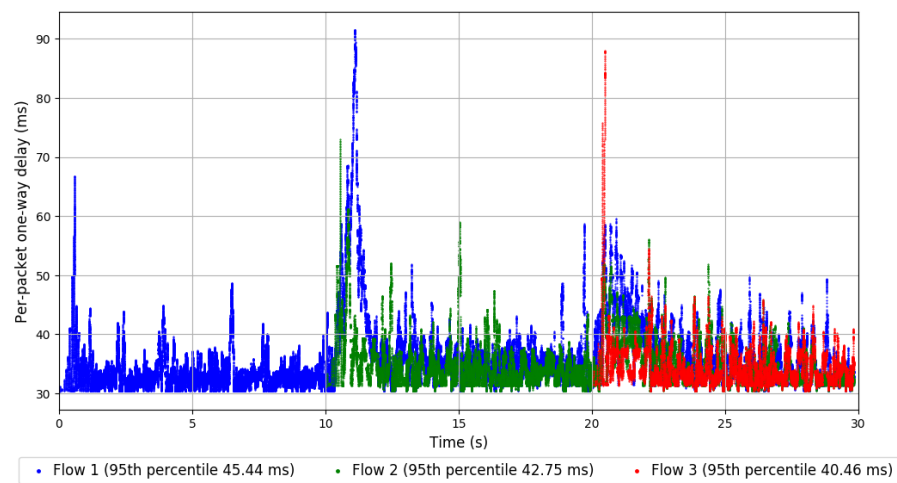
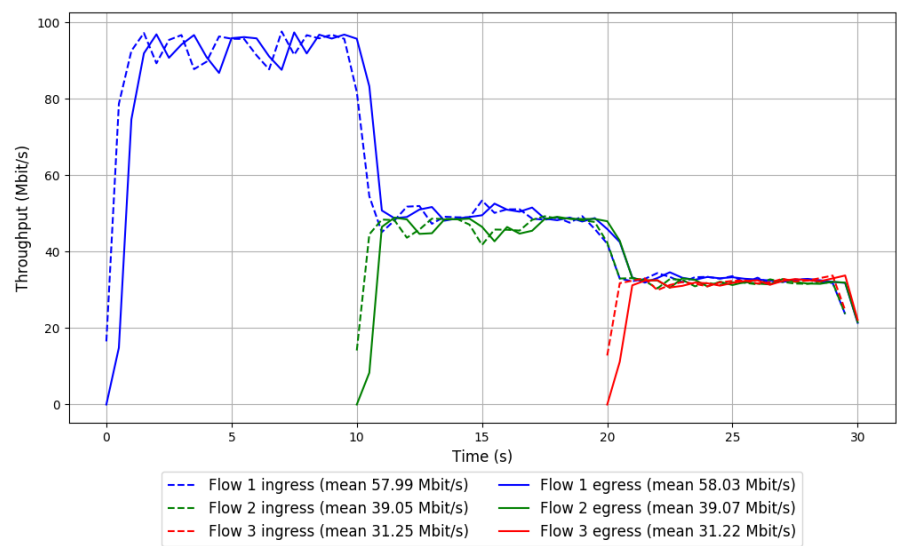
-- Flow 3:

Average throughput: 31.22 Mbit/s

95th percentile per-packet one-way delay: 40.459 ms

Loss rate: 0.76%

Run 4: Report of Indigo — Data Link



Run 5: Statistics of Indigo

Start at: 2019-09-19 06:21:10

End at: 2019-09-19 06:21:40

Local clock offset: 0.224 ms

Remote clock offset: 8.081 ms

Below is generated by plot.py at 2019-09-19 06:59:04

Datalink statistics

-- Total of 3 flows:

Average throughput: 93.35 Mbit/s

95th percentile per-packet one-way delay: 42.496 ms

Loss rate: 0.25%

-- Flow 1:

Average throughput: 62.88 Mbit/s

95th percentile per-packet one-way delay: 42.297 ms

Loss rate: 0.18%

-- Flow 2:

Average throughput: 34.05 Mbit/s

95th percentile per-packet one-way delay: 42.164 ms

Loss rate: 0.26%

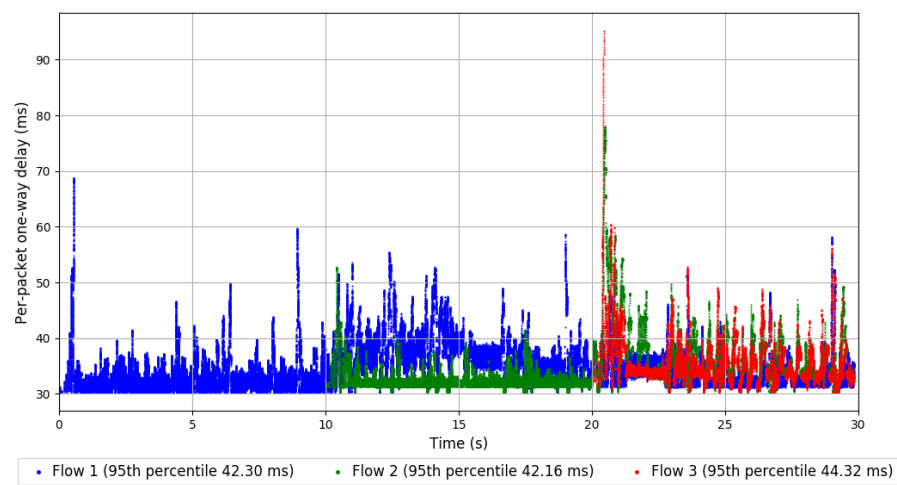
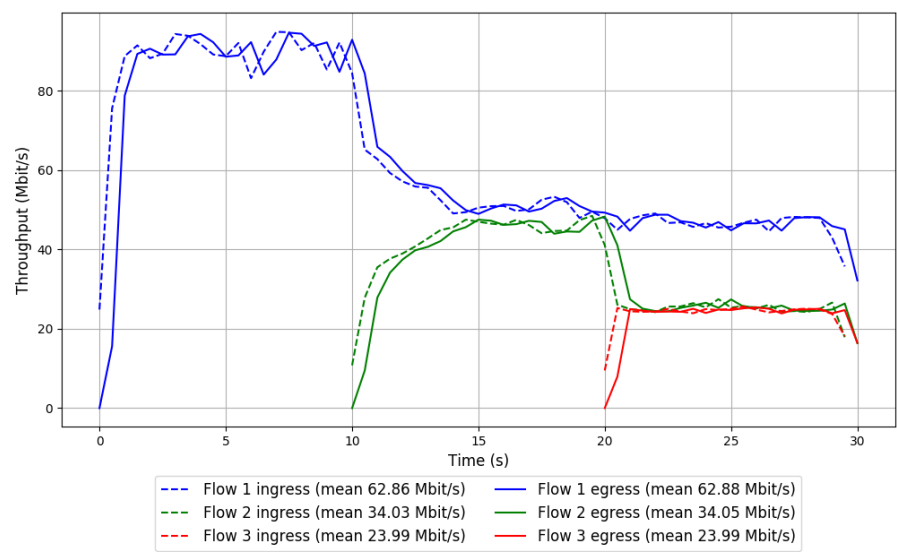
-- Flow 3:

Average throughput: 23.99 Mbit/s

95th percentile per-packet one-way delay: 44.320 ms

Loss rate: 0.71%

Run 5: Report of Indigo — Data Link



Run 1: Statistics of Indigo-MusesC3

Start at: 2019-09-18 22:52:19

End at: 2019-09-18 22:52:49

Local clock offset: -2.591 ms

Remote clock offset: 7.903 ms

Below is generated by plot.py at 2019-09-19 06:59:07

Datalink statistics

-- Total of 3 flows:

Average throughput: 94.52 Mbit/s

95th percentile per-packet one-way delay: 56.991 ms

Loss rate: 0.31%

-- Flow 1:

Average throughput: 59.14 Mbit/s

95th percentile per-packet one-way delay: 57.177 ms

Loss rate: 0.20%

-- Flow 2:

Average throughput: 40.72 Mbit/s

95th percentile per-packet one-way delay: 59.481 ms

Loss rate: 0.35%

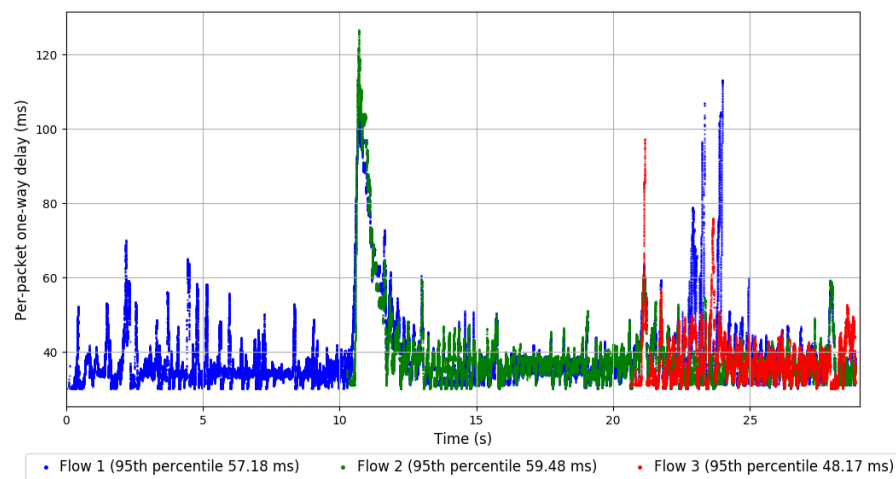
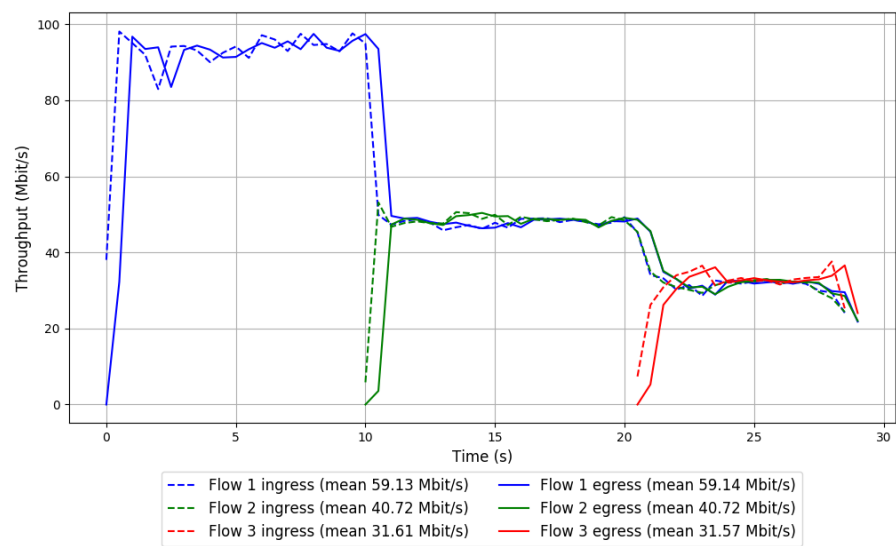
-- Flow 3:

Average throughput: 31.57 Mbit/s

95th percentile per-packet one-way delay: 48.172 ms

Loss rate: 0.91%

Run 1: Report of Indigo-MusesC3 — Data Link



Run 2: Statistics of Indigo-MusesC3

Start at: 2019-09-19 01:28:39

End at: 2019-09-19 01:29:09

Local clock offset: 4.074 ms

Remote clock offset: 7.306 ms

Below is generated by plot.py at 2019-09-19 06:59:23

Datalink statistics

-- Total of 3 flows:

Average throughput: 95.11 Mbit/s

95th percentile per-packet one-way delay: 56.294 ms

Loss rate: 0.31%

-- Flow 1:

Average throughput: 60.63 Mbit/s

95th percentile per-packet one-way delay: 53.421 ms

Loss rate: 0.19%

-- Flow 2:

Average throughput: 39.17 Mbit/s

95th percentile per-packet one-way delay: 57.074 ms

Loss rate: 0.38%

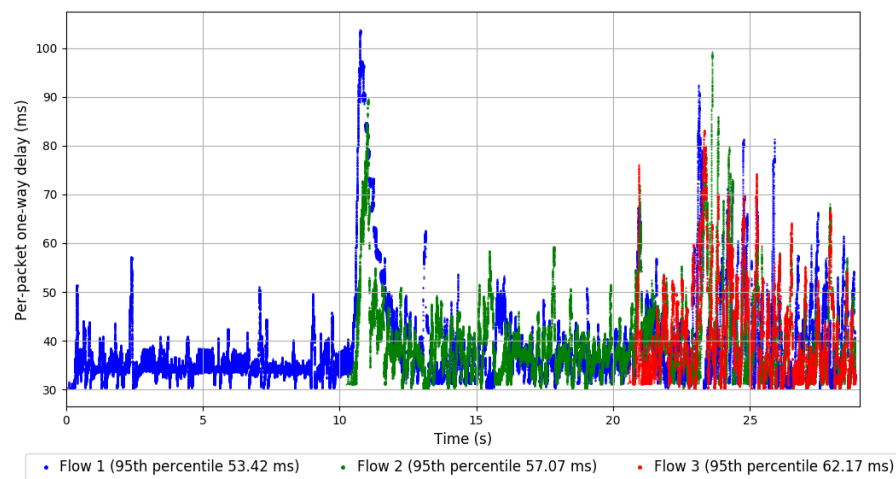
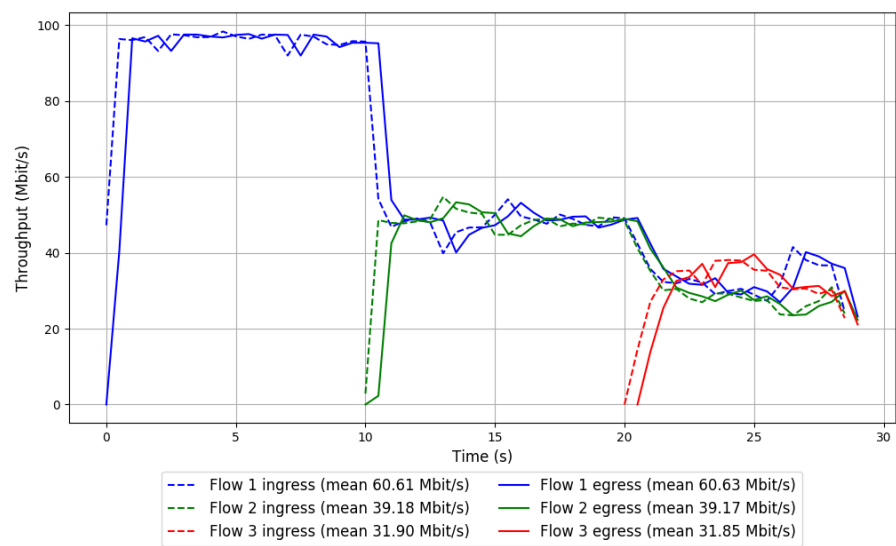
-- Flow 3:

Average throughput: 31.85 Mbit/s

95th percentile per-packet one-way delay: 62.171 ms

Loss rate: 0.93%

Run 2: Report of Indigo-MusesC3 — Data Link



Run 3: Statistics of Indigo-MusesC3

Start at: 2019-09-19 03:46:41

End at: 2019-09-19 03:47:11

Local clock offset: -2.592 ms

Remote clock offset: 8.844 ms

Below is generated by plot.py at 2019-09-19 06:59:25

Datalink statistics

-- Total of 3 flows:

Average throughput: 96.21 Mbit/s

95th percentile per-packet one-way delay: 56.564 ms

Loss rate: 0.32%

-- Flow 1:

Average throughput: 58.93 Mbit/s

95th percentile per-packet one-way delay: 57.554 ms

Loss rate: 0.18%

-- Flow 2:

Average throughput: 37.28 Mbit/s

95th percentile per-packet one-way delay: 61.366 ms

Loss rate: 0.34%

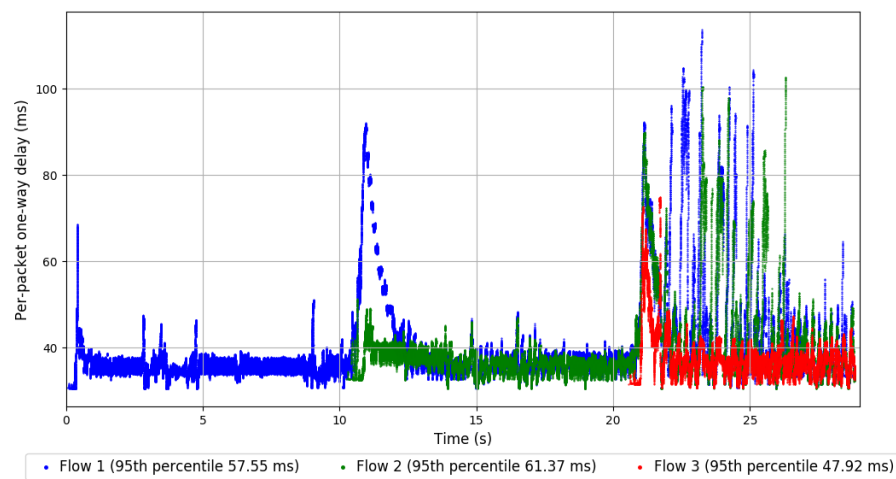
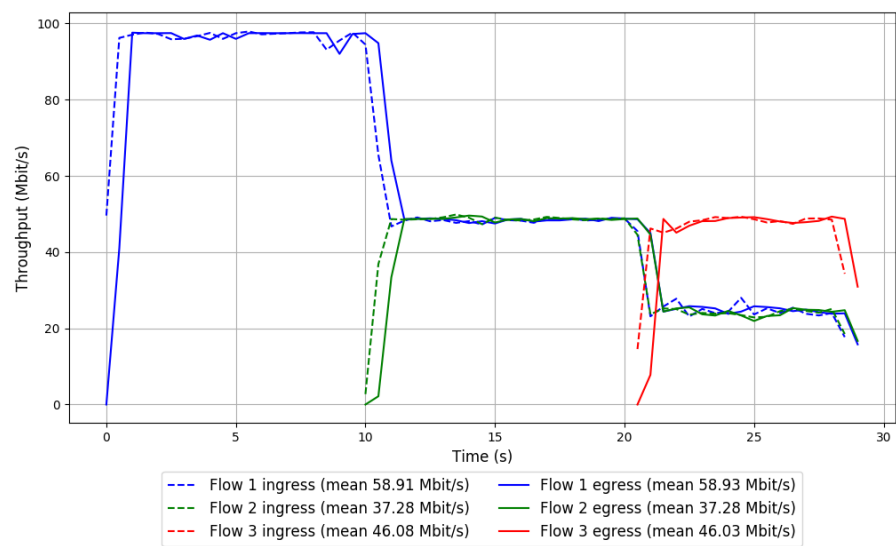
-- Flow 3:

Average throughput: 46.03 Mbit/s

95th percentile per-packet one-way delay: 47.918 ms

Loss rate: 0.91%

Run 3: Report of Indigo-MusesC3 — Data Link



Run 4: Statistics of Indigo-MusesC3

Start at: 2019-09-19 04:56:09

End at: 2019-09-19 04:56:39

Local clock offset: 0.876 ms

Remote clock offset: 7.479 ms

Below is generated by plot.py at 2019-09-19 06:59:32

Datalink statistics

-- Total of 3 flows:

Average throughput: 96.12 Mbit/s

95th percentile per-packet one-way delay: 60.247 ms

Loss rate: 0.34%

-- Flow 1:

Average throughput: 58.60 Mbit/s

95th percentile per-packet one-way delay: 62.402 ms

Loss rate: 0.19%

-- Flow 2:

Average throughput: 37.71 Mbit/s

95th percentile per-packet one-way delay: 62.370 ms

Loss rate: 0.38%

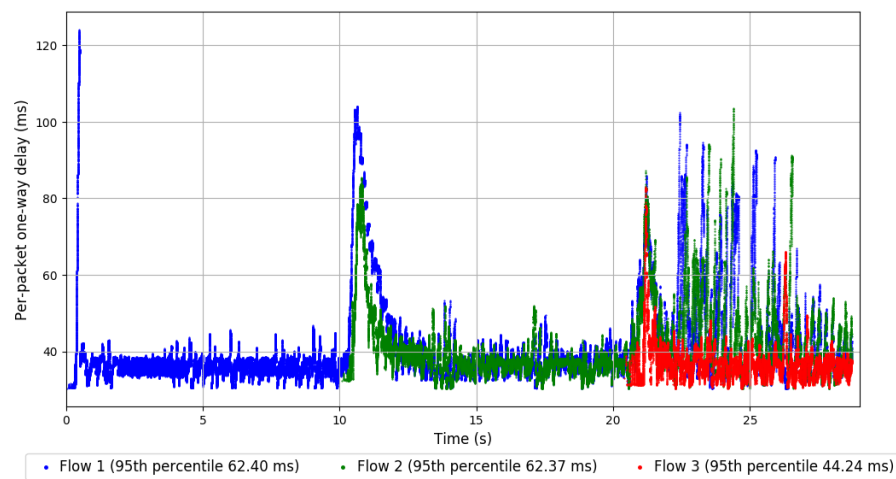
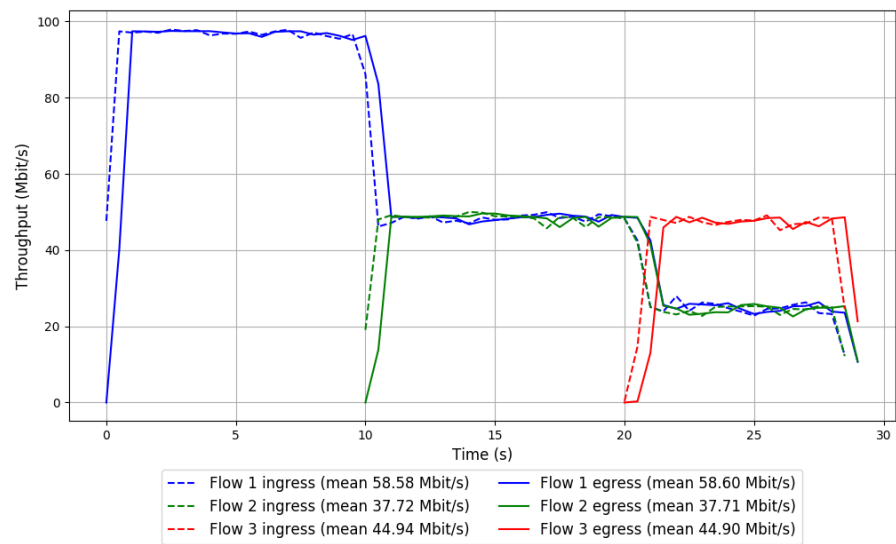
-- Flow 3:

Average throughput: 44.90 Mbit/s

95th percentile per-packet one-way delay: 44.237 ms

Loss rate: 0.90%

Run 4: Report of Indigo-MusesC3 — Data Link



Run 5: Statistics of Indigo-MusesC3

Start at: 2019-09-19 06:02:04

End at: 2019-09-19 06:02:34

Local clock offset: -2.891 ms

Remote clock offset: 7.919 ms

Below is generated by plot.py at 2019-09-19 06:59:39

Datalink statistics

-- Total of 3 flows:

Average throughput: 96.24 Mbit/s

95th percentile per-packet one-way delay: 58.314 ms

Loss rate: 0.37%

-- Flow 1:

Average throughput: 59.86 Mbit/s

95th percentile per-packet one-way delay: 57.798 ms

Loss rate: 0.21%

-- Flow 2:

Average throughput: 36.18 Mbit/s

95th percentile per-packet one-way delay: 62.740 ms

Loss rate: 0.33%

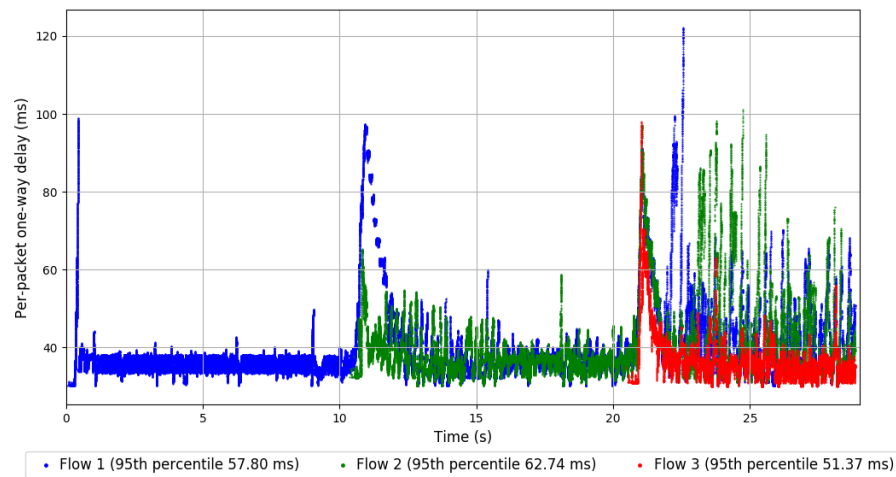
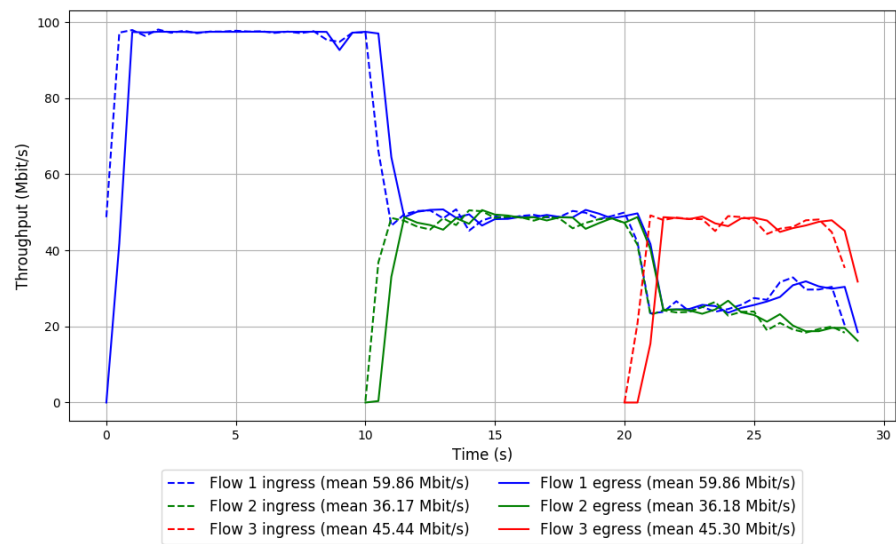
-- Flow 3:

Average throughput: 45.30 Mbit/s

95th percentile per-packet one-way delay: 51.367 ms

Loss rate: 1.12%

Run 5: Report of Indigo-MusesC3 — Data Link



Run 1: Statistics of Indigo-MusesC5

Start at: 2019-09-19 00:41:38

End at: 2019-09-19 00:42:08

Local clock offset: 2.561 ms

Remote clock offset: 8.78 ms

Below is generated by plot.py at 2019-09-19 06:59:57

Datalink statistics

-- Total of 3 flows:

Average throughput: 94.29 Mbit/s

95th percentile per-packet one-way delay: 115.152 ms

Loss rate: 1.79%

-- Flow 1:

Average throughput: 57.43 Mbit/s

95th percentile per-packet one-way delay: 109.483 ms

Loss rate: 1.18%

-- Flow 2:

Average throughput: 40.21 Mbit/s

95th percentile per-packet one-way delay: 90.487 ms

Loss rate: 1.96%

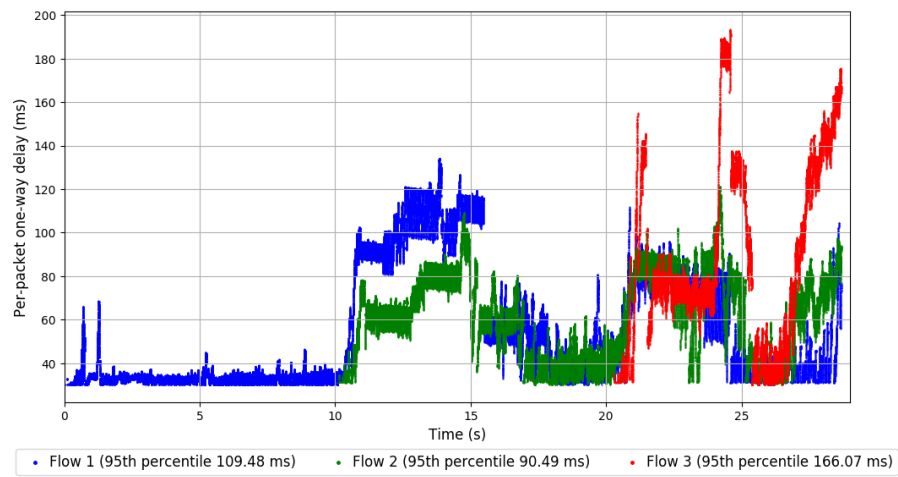
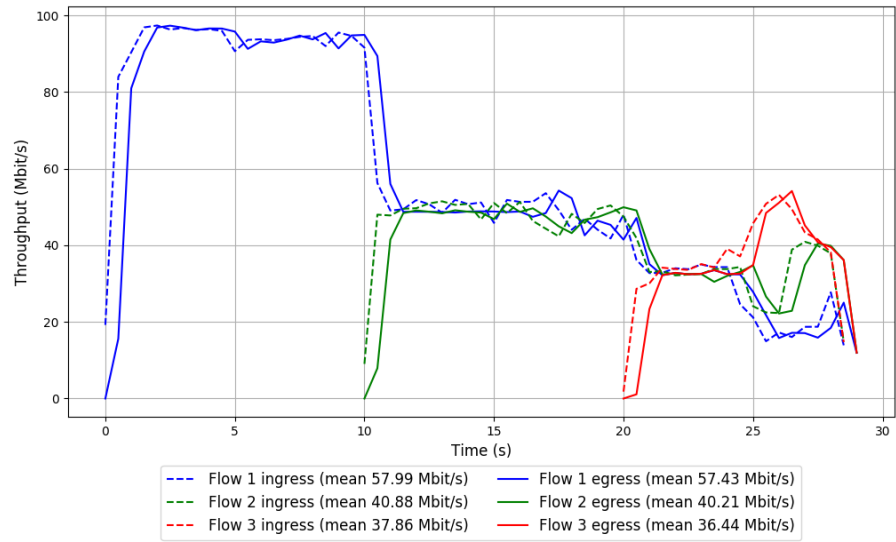
-- Flow 3:

Average throughput: 36.44 Mbit/s

95th percentile per-packet one-way delay: 166.070 ms

Loss rate: 4.54%

Run 1: Report of Indigo-MusesC5 — Data Link



Run 2: Statistics of Indigo-MusesC5

Start at: 2019-09-19 02:46:21

End at: 2019-09-19 02:46:51

Local clock offset: -2.248 ms

Remote clock offset: 9.017 ms

Below is generated by plot.py at 2019-09-19 07:00:04

Datalink statistics

-- Total of 3 flows:

Average throughput: 93.38 Mbit/s

95th percentile per-packet one-way delay: 126.443 ms

Loss rate: 2.46%

-- Flow 1:

Average throughput: 55.91 Mbit/s

95th percentile per-packet one-way delay: 128.531 ms

Loss rate: 1.80%

-- Flow 2:

Average throughput: 37.46 Mbit/s

95th percentile per-packet one-way delay: 124.773 ms

Loss rate: 4.18%

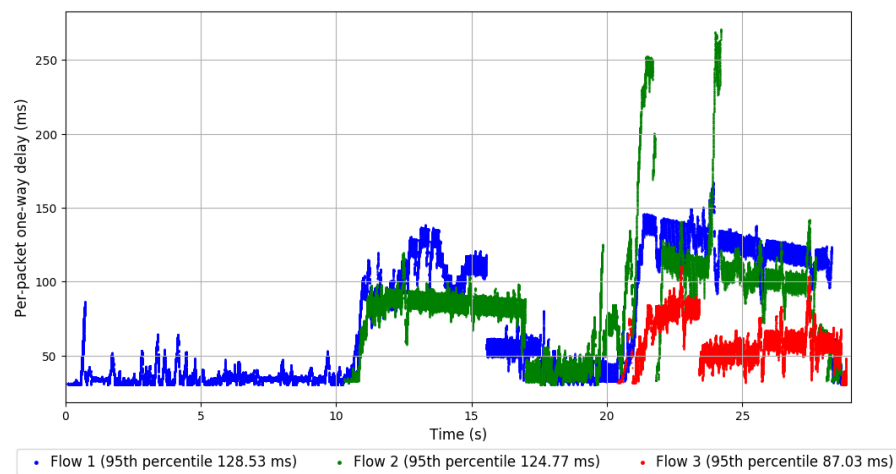
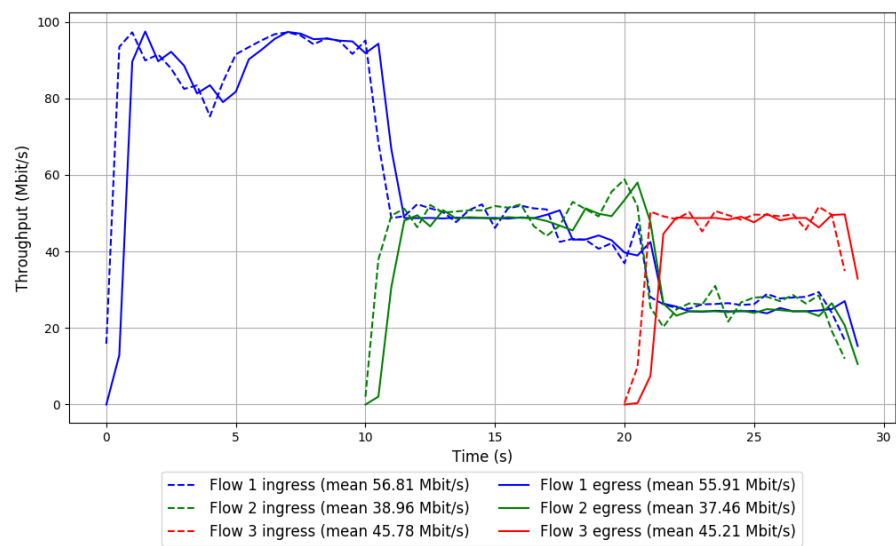
-- Flow 3:

Average throughput: 45.21 Mbit/s

95th percentile per-packet one-way delay: 87.030 ms

Loss rate: 2.01%

Run 2: Report of Indigo-MusesC5 — Data Link



Run 3: Statistics of Indigo-MusesC5

Start at: 2019-09-19 04:26:04

End at: 2019-09-19 04:26:34

Local clock offset: -3.054 ms

Remote clock offset: 9.021 ms

Below is generated by plot.py at 2019-09-19 07:00:06

Datalink statistics

-- Total of 3 flows:

Average throughput: 94.45 Mbit/s

95th percentile per-packet one-way delay: 126.794 ms

Loss rate: 2.01%

-- Flow 1:

Average throughput: 57.08 Mbit/s

95th percentile per-packet one-way delay: 128.065 ms

Loss rate: 1.46%

-- Flow 2:

Average throughput: 42.61 Mbit/s

95th percentile per-packet one-way delay: 88.526 ms

Loss rate: 2.64%

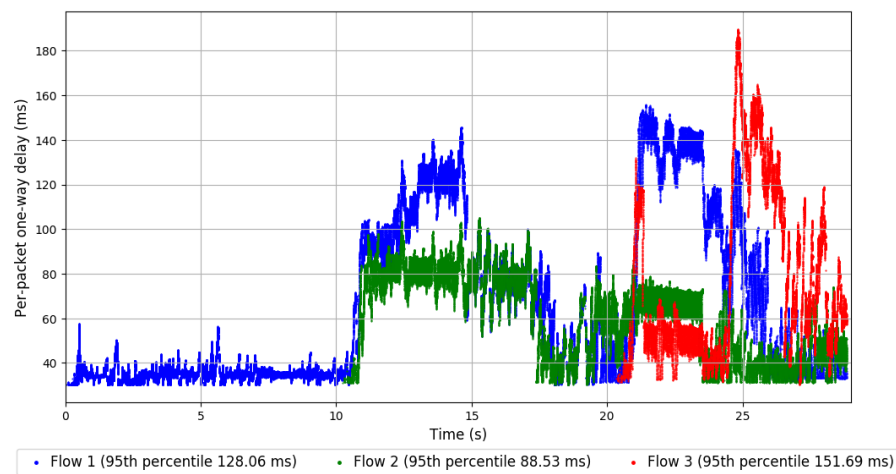
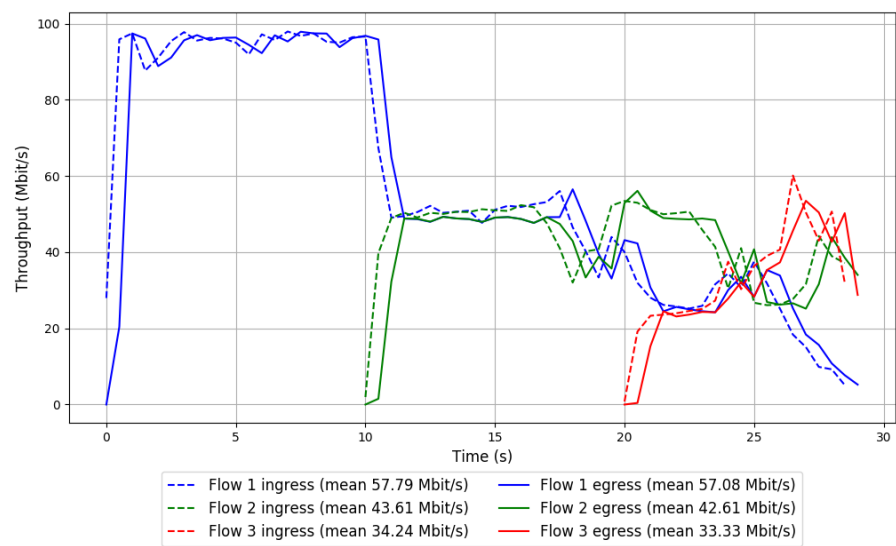
-- Flow 3:

Average throughput: 33.33 Mbit/s

95th percentile per-packet one-way delay: 151.689 ms

Loss rate: 3.44%

Run 3: Report of Indigo-MusesC5 — Data Link



Run 4: Statistics of Indigo-MusesC5

Start at: 2019-09-19 05:36:51

End at: 2019-09-19 05:37:21

Local clock offset: -1.307 ms

Remote clock offset: 7.645 ms

Below is generated by plot.py at 2019-09-19 07:00:10

Datalink statistics

-- Total of 3 flows:

Average throughput: 94.63 Mbit/s

95th percentile per-packet one-way delay: 106.298 ms

Loss rate: 1.98%

-- Flow 1:

Average throughput: 58.85 Mbit/s

95th percentile per-packet one-way delay: 108.642 ms

Loss rate: 1.58%

-- Flow 2:

Average throughput: 40.46 Mbit/s

95th percentile per-packet one-way delay: 101.838 ms

Loss rate: 2.16%

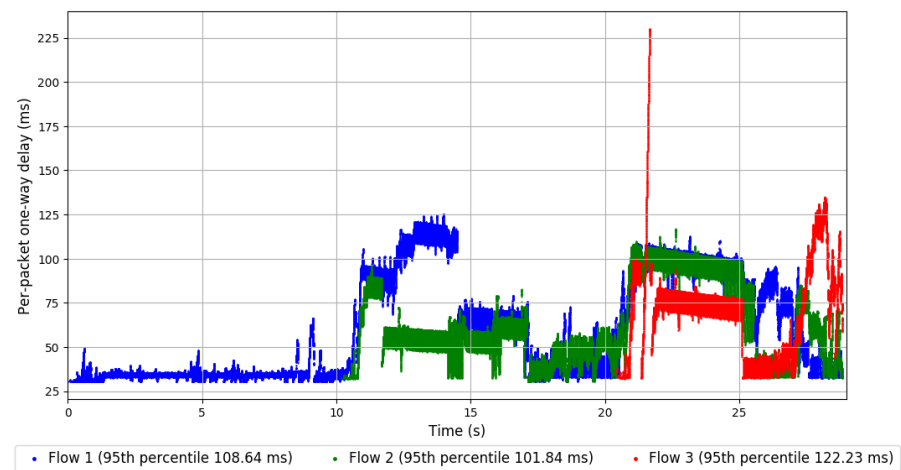
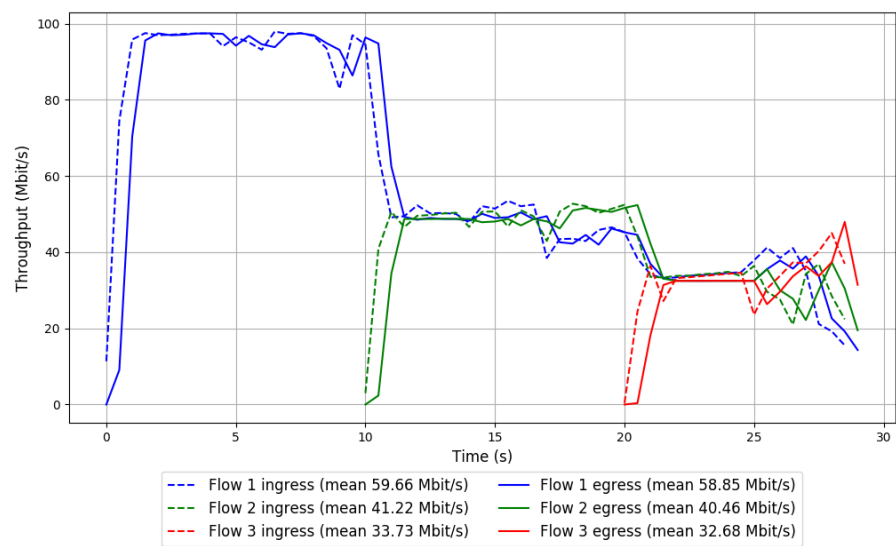
-- Flow 3:

Average throughput: 32.68 Mbit/s

95th percentile per-packet one-way delay: 122.227 ms

Loss rate: 3.90%

Run 4: Report of Indigo-MusesC5 — Data Link



Run 5: Statistics of Indigo-MusesC5

Start at: 2019-09-19 06:32:50

End at: 2019-09-19 06:33:20

Local clock offset: 1.322 ms

Remote clock offset: 8.855 ms

Below is generated by plot.py at 2019-09-19 07:00:27

Datalink statistics

-- Total of 3 flows:

Average throughput: 95.06 Mbit/s

95th percentile per-packet one-way delay: 112.119 ms

Loss rate: 1.82%

-- Flow 1:

Average throughput: 56.77 Mbit/s

95th percentile per-packet one-way delay: 113.136 ms

Loss rate: 1.37%

-- Flow 2:

Average throughput: 48.51 Mbit/s

95th percentile per-packet one-way delay: 82.740 ms

Loss rate: 1.63%

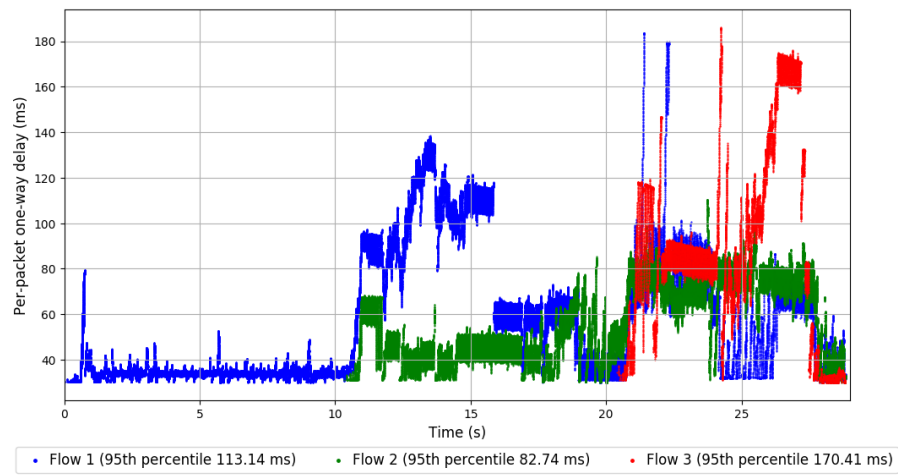
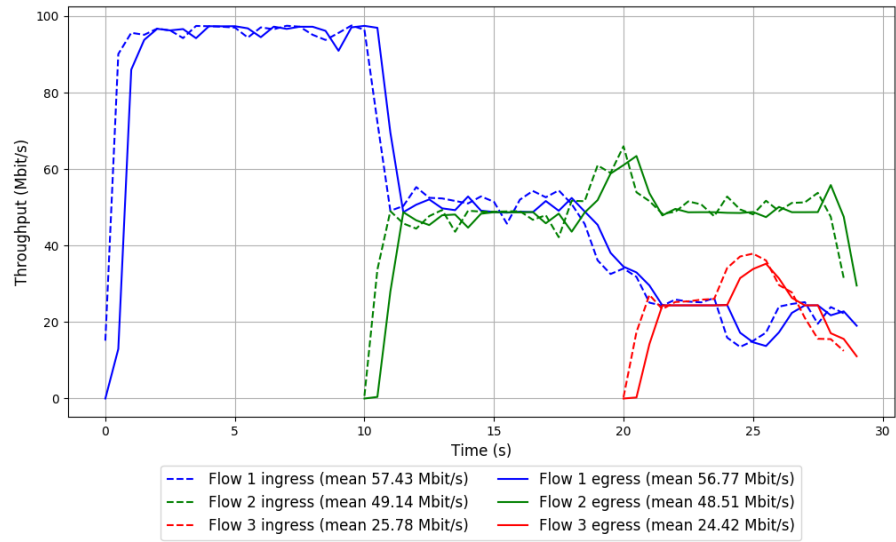
-- Flow 3:

Average throughput: 24.42 Mbit/s

95th percentile per-packet one-way delay: 170.406 ms

Loss rate: 6.06%

Run 5: Report of Indigo-MusesC5 — Data Link



Run 1: Statistics of Indigo-MusesD

Start at: 2019-09-18 23:22:51

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

Local clock offset: -2.436 ms

Remote clock offset: 7.618 ms

Below is generated by plot.py at 2019-09-19 07:00:28

Datalink statistics

-- Total of 3 flows:

Average throughput: 92.11 Mbit/s

95th percentile per-packet one-way delay: 136.239 ms

Loss rate: 1.23%

-- Flow 1:

Average throughput: 52.49 Mbit/s

95th percentile per-packet one-way delay: 48.380 ms

Loss rate: 0.10%

-- Flow 2:

Average throughput: 43.18 Mbit/s

95th percentile per-packet one-way delay: 158.371 ms

Loss rate: 3.01%

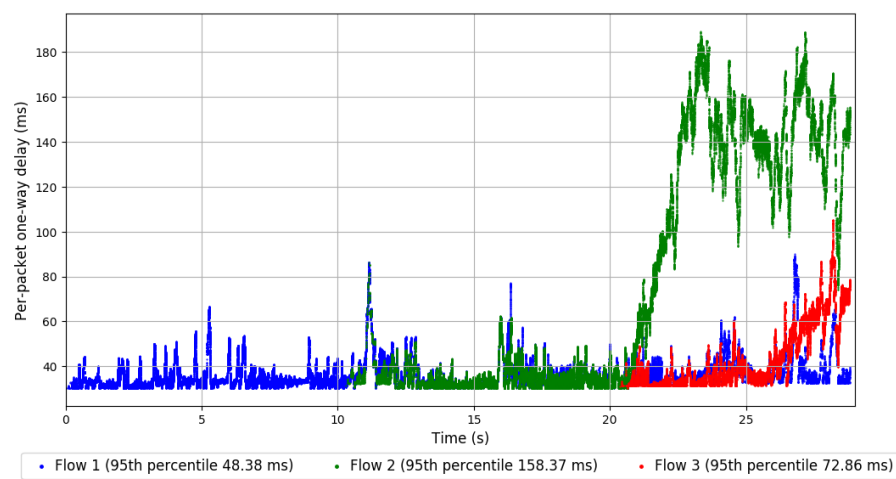
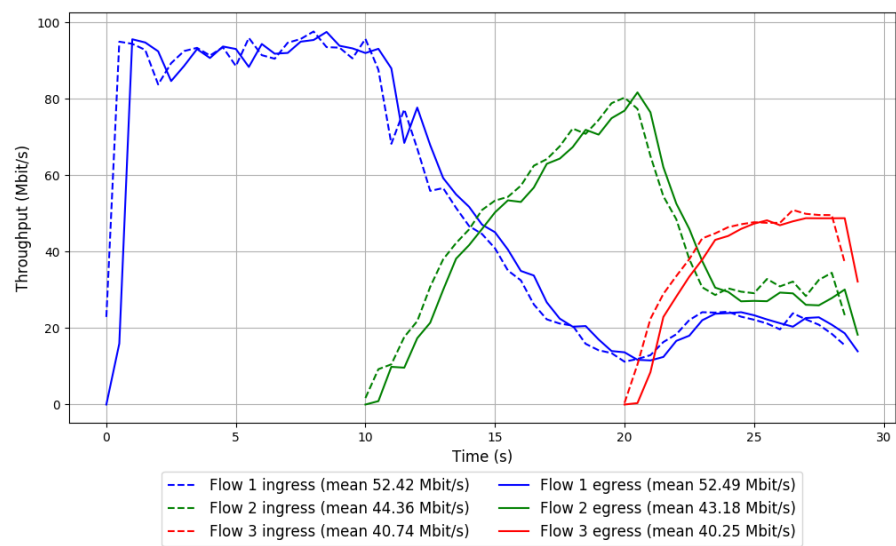
-- Flow 3:

Average throughput: 40.25 Mbit/s

95th percentile per-packet one-way delay: 72.865 ms

Loss rate: 1.96%

Run 1: Report of Indigo-MusesD — Data Link

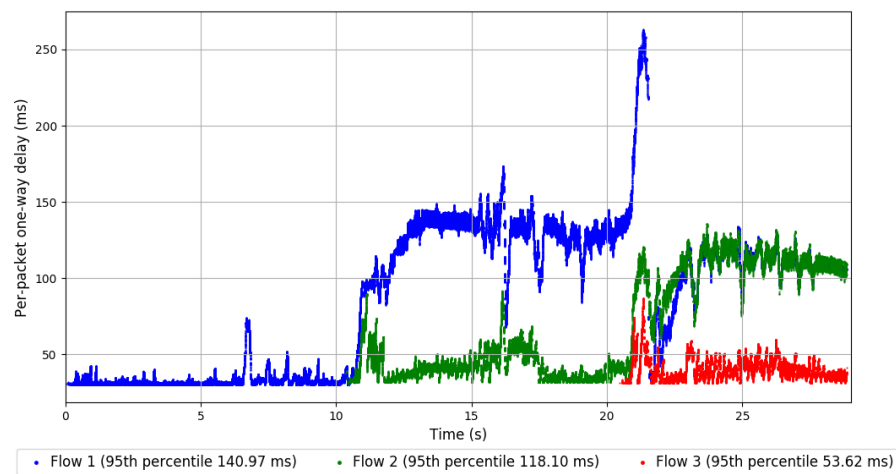
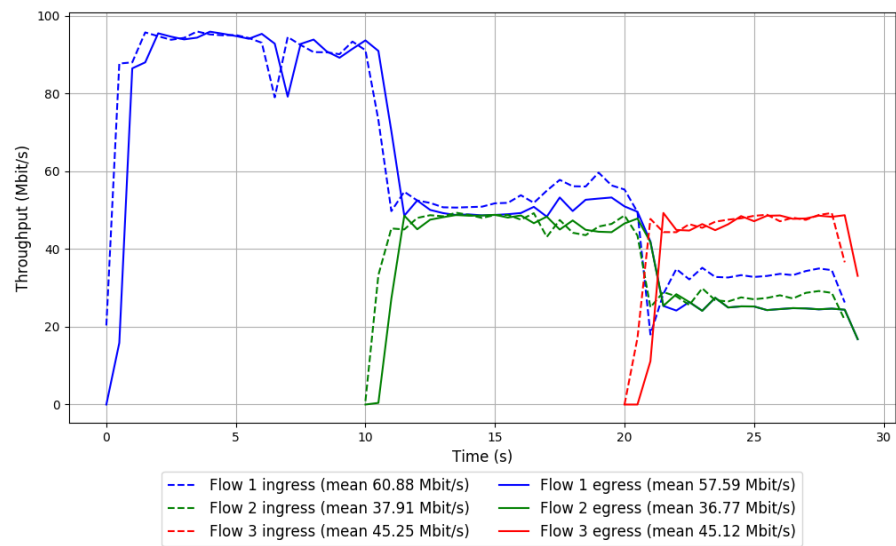


Run 2: Statistics of Indigo-MusesD

Start at: 2019-09-19 01:49:02
End at: 2019-09-19 01:49:32
Local clock offset: -3.201 ms
Remote clock offset: 7.107 ms

Below is generated by plot.py at 2019-09-19 07:00:36
Datalink statistics
-- Total of 3 flows:
Average throughput: 94.32 Mbit/s
95th percentile per-packet one-way delay: 138.061 ms
Loss rate: 4.44%
-- Flow 1:
Average throughput: 57.59 Mbit/s
95th percentile per-packet one-way delay: 140.968 ms
Loss rate: 5.62%
-- Flow 2:
Average throughput: 36.77 Mbit/s
95th percentile per-packet one-way delay: 118.099 ms
Loss rate: 3.38%
-- Flow 3:
Average throughput: 45.12 Mbit/s
95th percentile per-packet one-way delay: 53.622 ms
Loss rate: 1.01%

Run 2: Report of Indigo-MusesD — Data Link



Run 3: Statistics of Indigo-MusesD

Start at: 2019-09-19 03:56:03

End at: 2019-09-19 03:56:33

Local clock offset: -3.139 ms

Remote clock offset: 9.259 ms

Below is generated by plot.py at 2019-09-19 07:00:44

Datalink statistics

-- Total of 3 flows:

Average throughput: 94.31 Mbit/s

95th percentile per-packet one-way delay: 128.601 ms

Loss rate: 3.95%

-- Flow 1:

Average throughput: 64.29 Mbit/s

95th percentile per-packet one-way delay: 130.938 ms

Loss rate: 5.36%

-- Flow 2:

Average throughput: 32.84 Mbit/s

95th percentile per-packet one-way delay: 69.688 ms

Loss rate: 0.40%

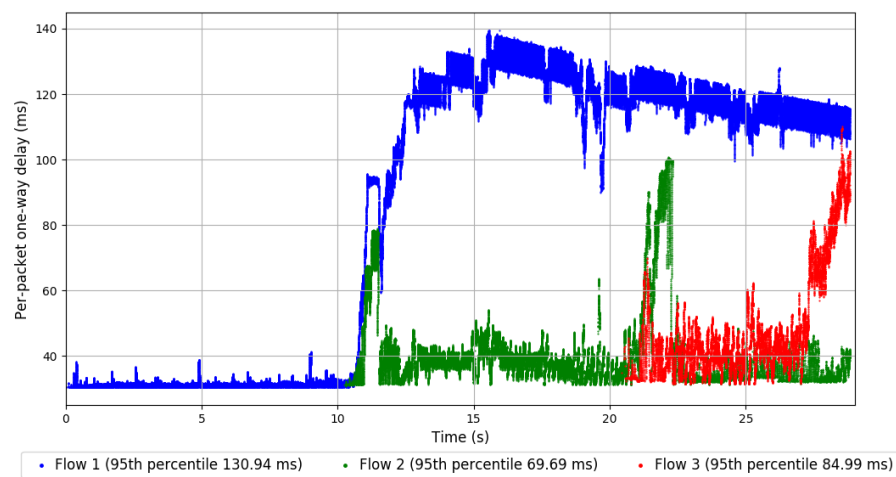
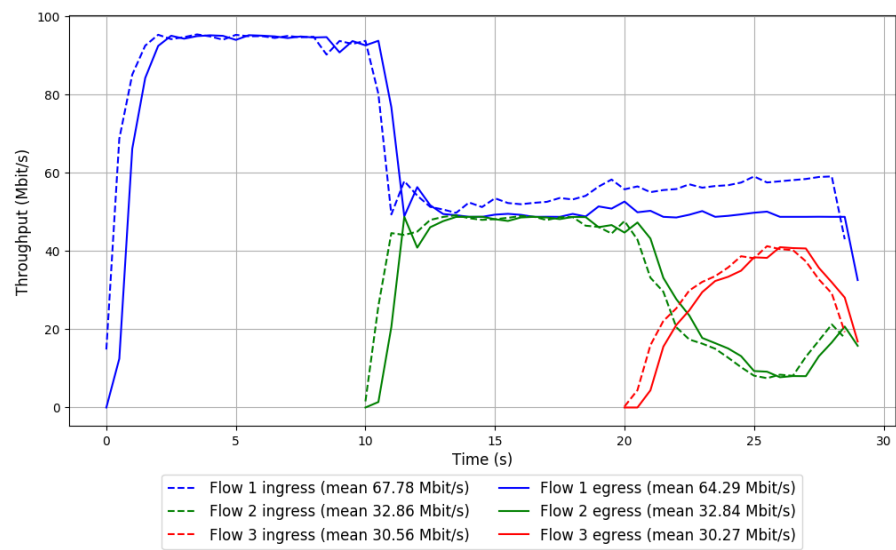
-- Flow 3:

Average throughput: 30.27 Mbit/s

95th percentile per-packet one-way delay: 84.991 ms

Loss rate: 1.74%

Run 3: Report of Indigo-MusesD — Data Link



Run 4: Statistics of Indigo-MusesD

Start at: 2019-09-19 05:07:04

End at: 2019-09-19 05:07:34

Local clock offset: 0.719 ms

Remote clock offset: 7.293 ms

Below is generated by plot.py at 2019-09-19 07:01:01

Datalink statistics

-- Total of 3 flows:

Average throughput: 93.20 Mbit/s

95th percentile per-packet one-way delay: 129.150 ms

Loss rate: 4.60%

-- Flow 1:

Average throughput: 63.09 Mbit/s

95th percentile per-packet one-way delay: 130.794 ms

Loss rate: 5.45%

-- Flow 2:

Average throughput: 36.65 Mbit/s

95th percentile per-packet one-way delay: 108.575 ms

Loss rate: 3.20%

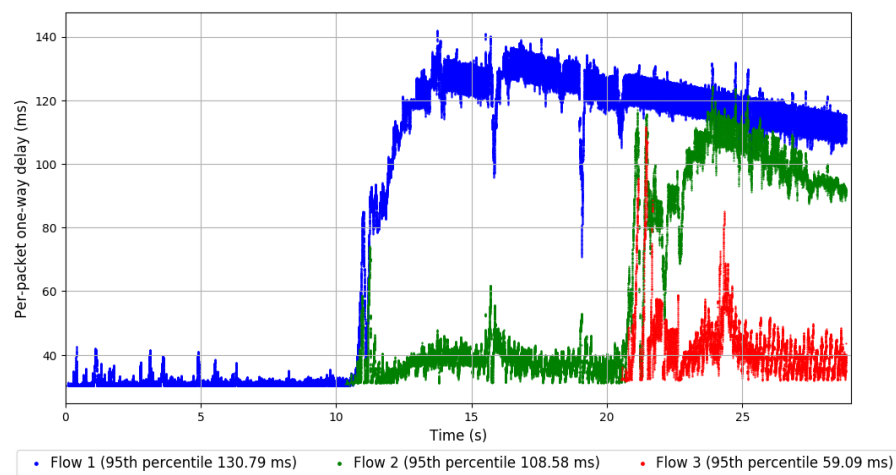
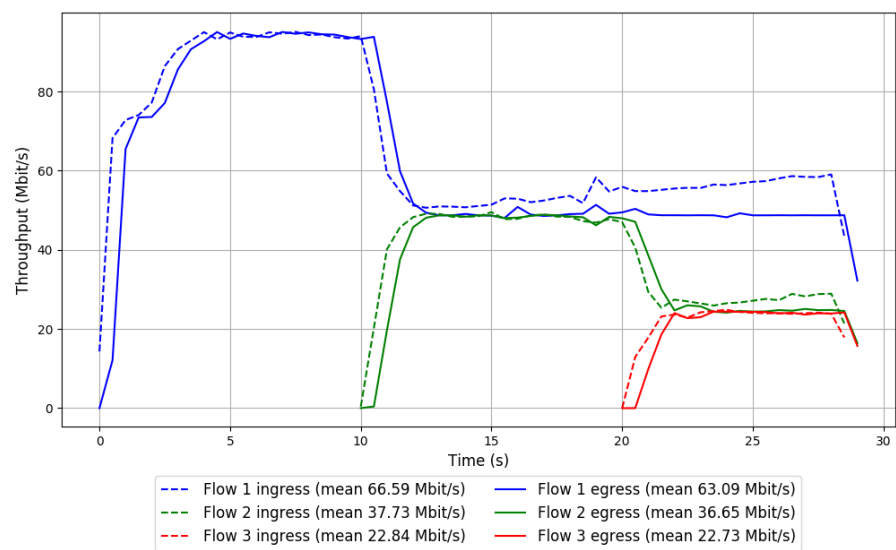
-- Flow 3:

Average throughput: 22.73 Mbit/s

95th percentile per-packet one-way delay: 59.091 ms

Loss rate: 1.21%

Run 4: Report of Indigo-MusesD — Data Link



Run 5: Statistics of Indigo-MusesD

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

End at: 2019-09-19 06:11:49

Local clock offset: -0.654 ms

Remote clock offset: 8.012 ms

Below is generated by plot.py at 2019-09-19 07:01:08

Datalink statistics

-- Total of 3 flows:

Average throughput: 95.53 Mbit/s

95th percentile per-packet one-way delay: 144.912 ms

Loss rate: 4.03%

-- Flow 1:

Average throughput: 62.86 Mbit/s

95th percentile per-packet one-way delay: 146.990 ms

Loss rate: 5.49%

-- Flow 2:

Average throughput: 36.52 Mbit/s

95th percentile per-packet one-way delay: 59.607 ms

Loss rate: 0.34%

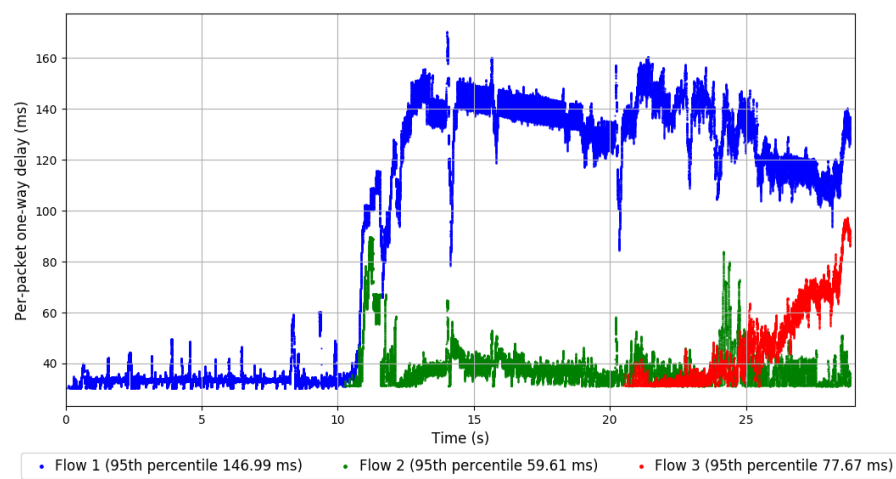
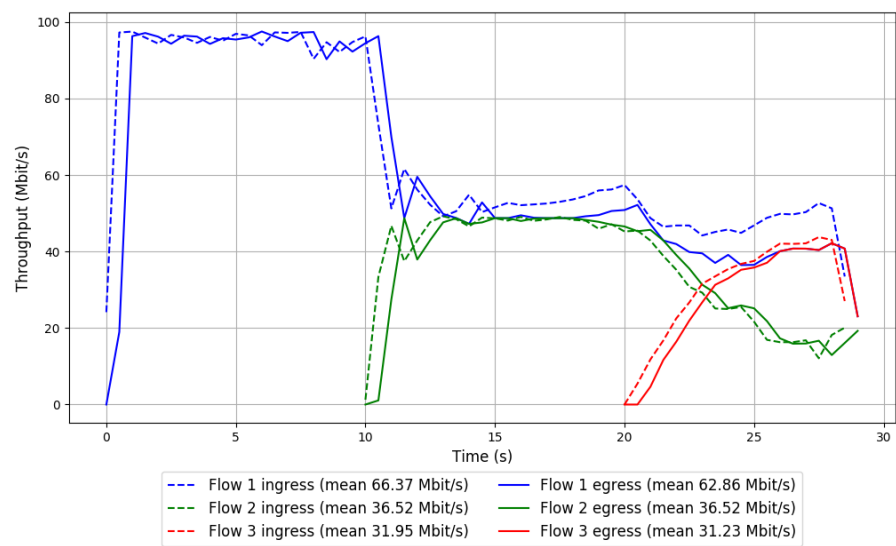
-- Flow 3:

Average throughput: 31.23 Mbit/s

95th percentile per-packet one-way delay: 77.670 ms

Loss rate: 3.02%

Run 5: Report of Indigo-MusesD — Data Link



Run 1: Statistics of Indigo-MusesT

Start at: 2019-09-18 23:01:15

End at: 2019-09-18 23:01:45

Local clock offset: -2.418 ms

Remote clock offset: 7.934 ms

Below is generated by plot.py at 2019-09-19 07:01:09

Datalink statistics

-- Total of 3 flows:

Average throughput: 95.84 Mbit/s

95th percentile per-packet one-way delay: 201.488 ms

Loss rate: 3.23%

-- Flow 1:

Average throughput: 60.43 Mbit/s

95th percentile per-packet one-way delay: 145.412 ms

Loss rate: 1.93%

-- Flow 2:

Average throughput: 40.76 Mbit/s

95th percentile per-packet one-way delay: 215.874 ms

Loss rate: 4.53%

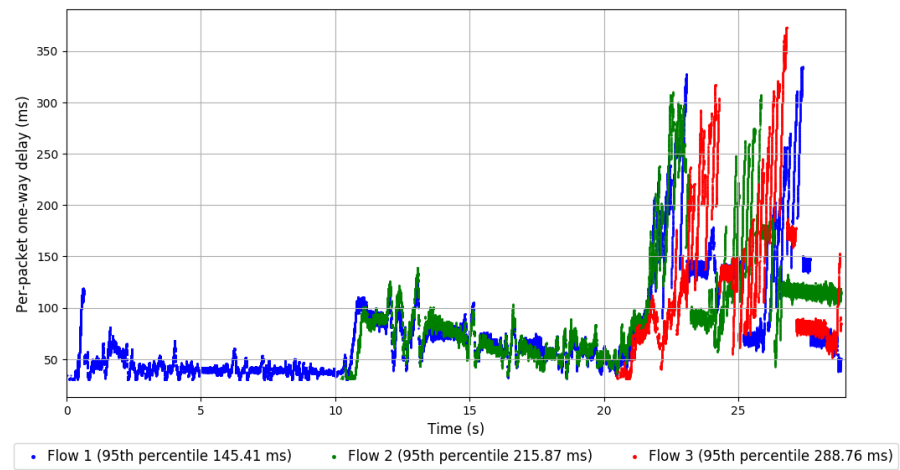
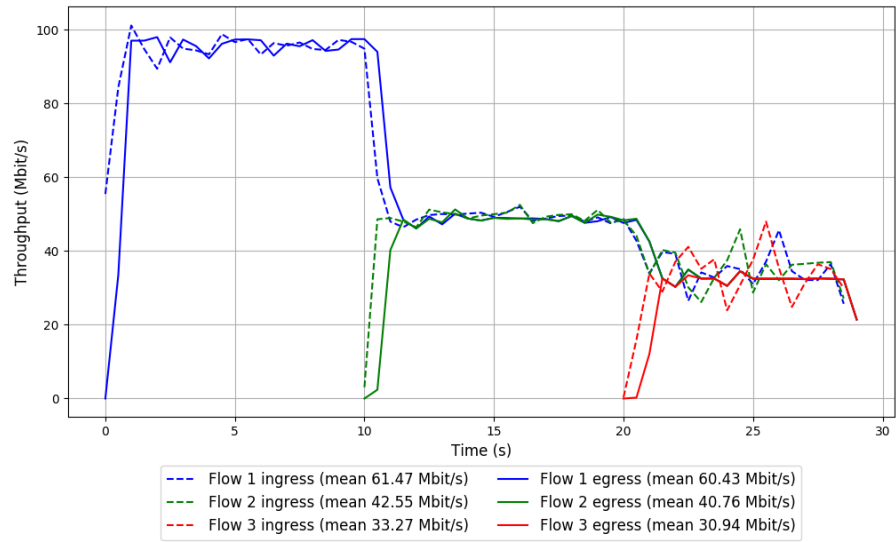
-- Flow 3:

Average throughput: 30.94 Mbit/s

95th percentile per-packet one-way delay: 288.763 ms

Loss rate: 7.73%

Run 1: Report of Indigo-MusesT — Data Link



Run 2: Statistics of Indigo-MusesT

Start at: 2019-09-19 01:35:05

End at: 2019-09-19 01:35:35

Local clock offset: 1.049 ms

Remote clock offset: 6.874 ms

Below is generated by plot.py at 2019-09-19 07:01:15

Datalink statistics

-- Total of 3 flows:

Average throughput: 95.83 Mbit/s

95th percentile per-packet one-way delay: 174.148 ms

Loss rate: 2.83%

-- Flow 1:

Average throughput: 64.83 Mbit/s

95th percentile per-packet one-way delay: 84.020 ms

Loss rate: 1.04%

-- Flow 2:

Average throughput: 37.23 Mbit/s

95th percentile per-packet one-way delay: 196.745 ms

Loss rate: 5.01%

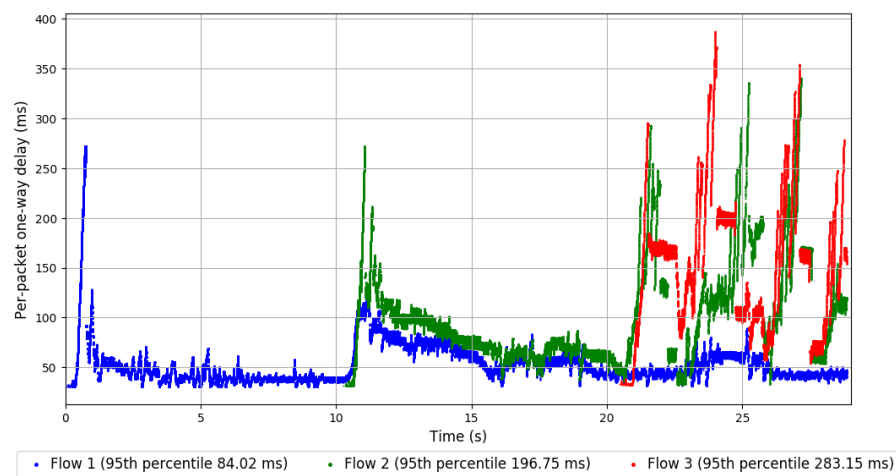
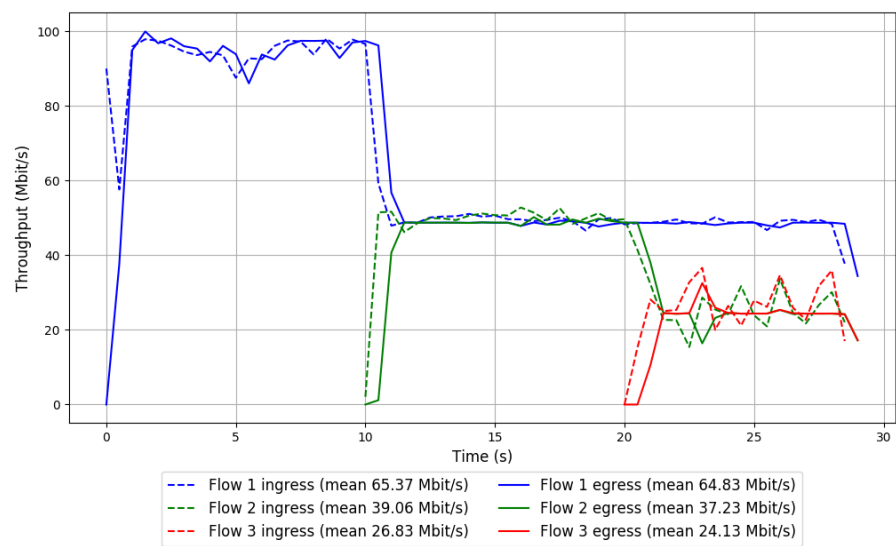
-- Flow 3:

Average throughput: 24.13 Mbit/s

95th percentile per-packet one-way delay: 283.150 ms

Loss rate: 10.70%

Run 2: Report of Indigo-MusesT — Data Link



Run 3: Statistics of Indigo-MusesT

Start at: 2019-09-19 03:48:37

End at: 2019-09-19 03:49:07

Local clock offset: -2.728 ms

Remote clock offset: 9.02 ms

Below is generated by plot.py at 2019-09-19 07:01:31

Datalink statistics

-- Total of 3 flows:

Average throughput: 96.05 Mbit/s

95th percentile per-packet one-way delay: 180.469 ms

Loss rate: 2.97%

-- Flow 1:

Average throughput: 60.68 Mbit/s

95th percentile per-packet one-way delay: 159.855 ms

Loss rate: 2.06%

-- Flow 2:

Average throughput: 40.53 Mbit/s

95th percentile per-packet one-way delay: 224.422 ms

Loss rate: 3.31%

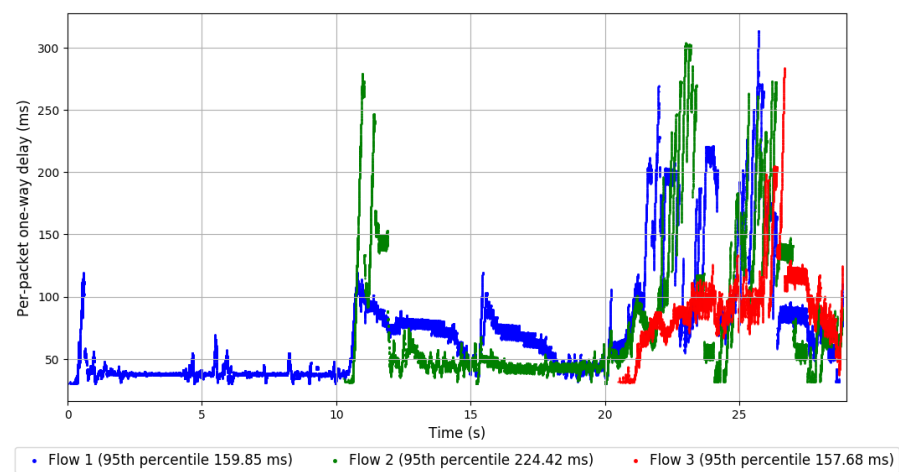
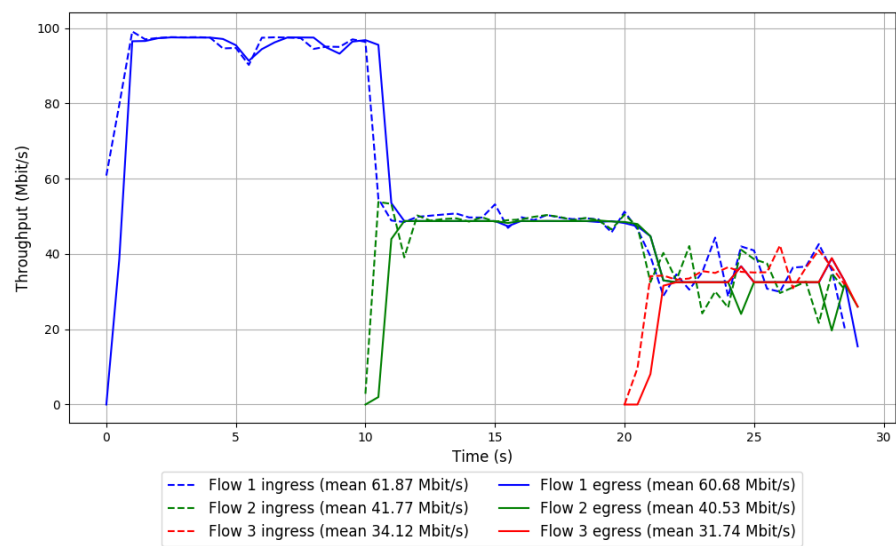
-- Flow 3:

Average throughput: 31.74 Mbit/s

95th percentile per-packet one-way delay: 157.681 ms

Loss rate: 7.69%

Run 3: Report of Indigo-MusesT — Data Link



Run 4: Statistics of Indigo-MusesT

Start at: 2019-09-19 04:58:58

End at: 2019-09-19 04:59:28

Local clock offset: 0.988 ms

Remote clock offset: 7.422 ms

Below is generated by plot.py at 2019-09-19 07:01:33

Datalink statistics

-- Total of 3 flows:

Average throughput: 96.47 Mbit/s

95th percentile per-packet one-way delay: 141.846 ms

Loss rate: 3.66%

-- Flow 1:

Average throughput: 61.41 Mbit/s

95th percentile per-packet one-way delay: 133.416 ms

Loss rate: 1.98%

-- Flow 2:

Average throughput: 40.60 Mbit/s

95th percentile per-packet one-way delay: 92.472 ms

Loss rate: 6.38%

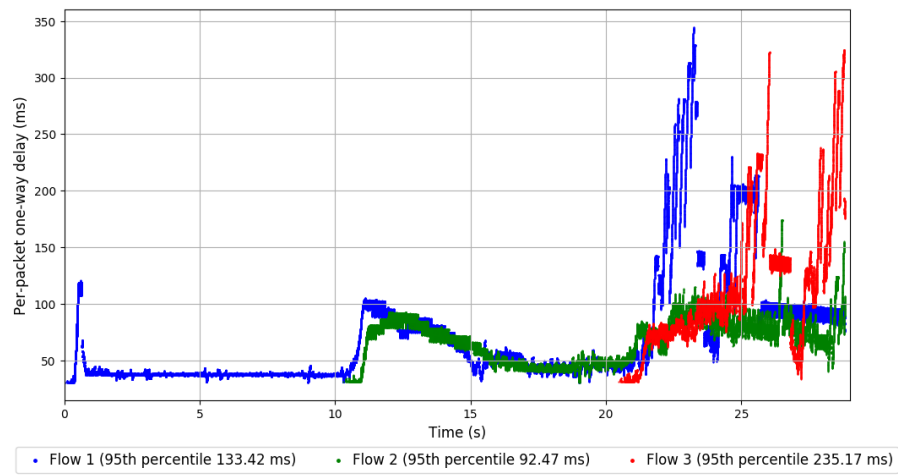
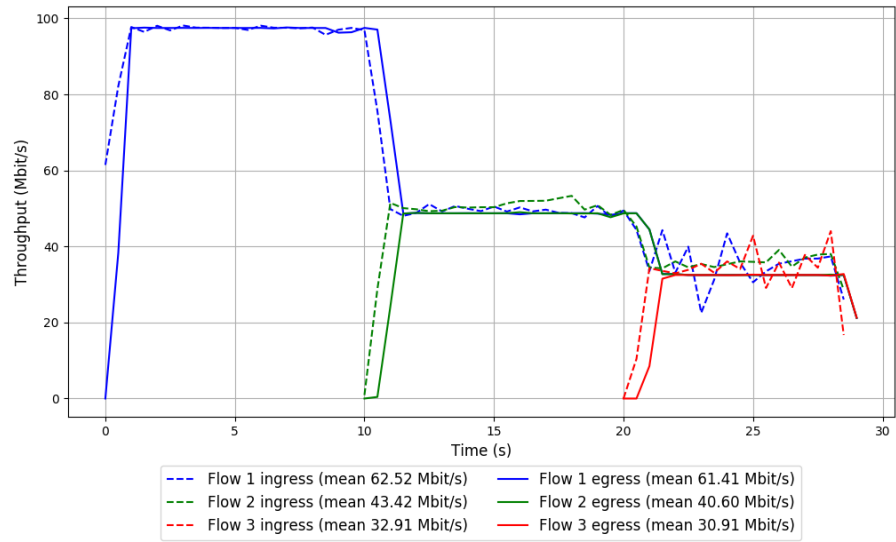
-- Flow 3:

Average throughput: 30.91 Mbit/s

95th percentile per-packet one-way delay: 235.169 ms

Loss rate: 6.71%

Run 4: Report of Indigo-MusesT — Data Link



Run 5: Statistics of Indigo-MusesT

Start at: 2019-09-19 06:04:19

End at: 2019-09-19 06:04:49

Local clock offset: -2.086 ms

Remote clock offset: 7.842 ms

Below is generated by plot.py at 2019-09-19 07:01:44

Datalink statistics

-- Total of 3 flows:

Average throughput: 96.44 Mbit/s

95th percentile per-packet one-way delay: 194.840 ms

Loss rate: 2.44%

-- Flow 1:

Average throughput: 61.11 Mbit/s

95th percentile per-packet one-way delay: 137.297 ms

Loss rate: 1.76%

-- Flow 2:

Average throughput: 40.64 Mbit/s

95th percentile per-packet one-way delay: 208.637 ms

Loss rate: 2.93%

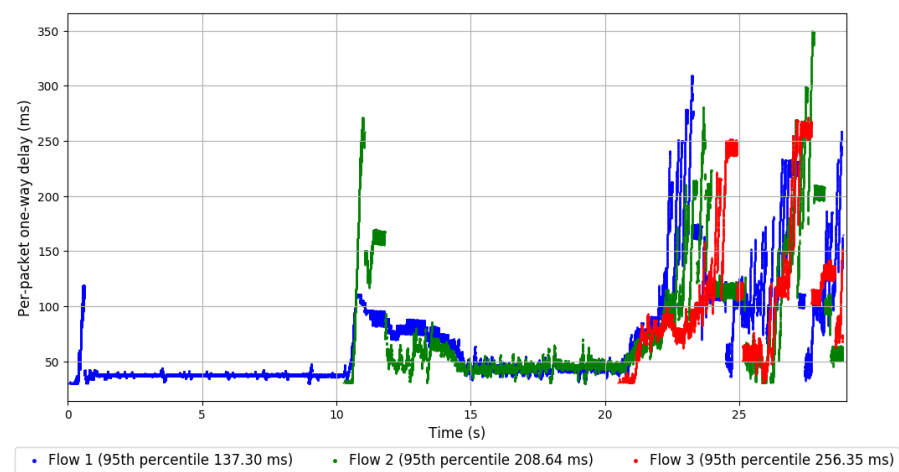
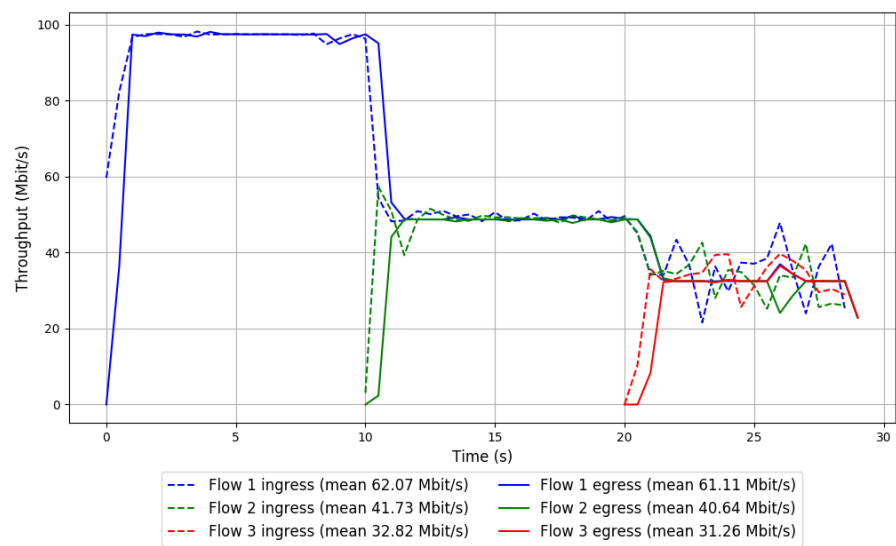
-- Flow 3:

Average throughput: 31.26 Mbit/s

95th percentile per-packet one-way delay: 256.353 ms

Loss rate: 5.46%

Run 5: Report of Indigo-MusesT — Data Link

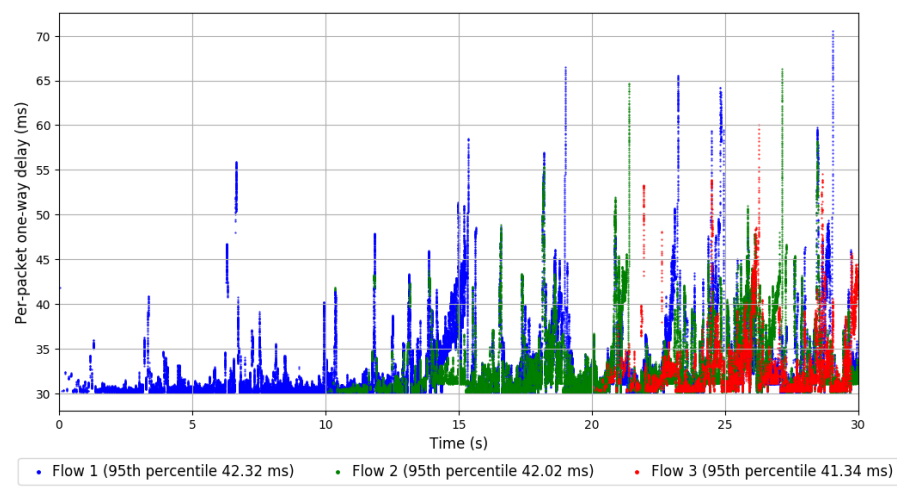
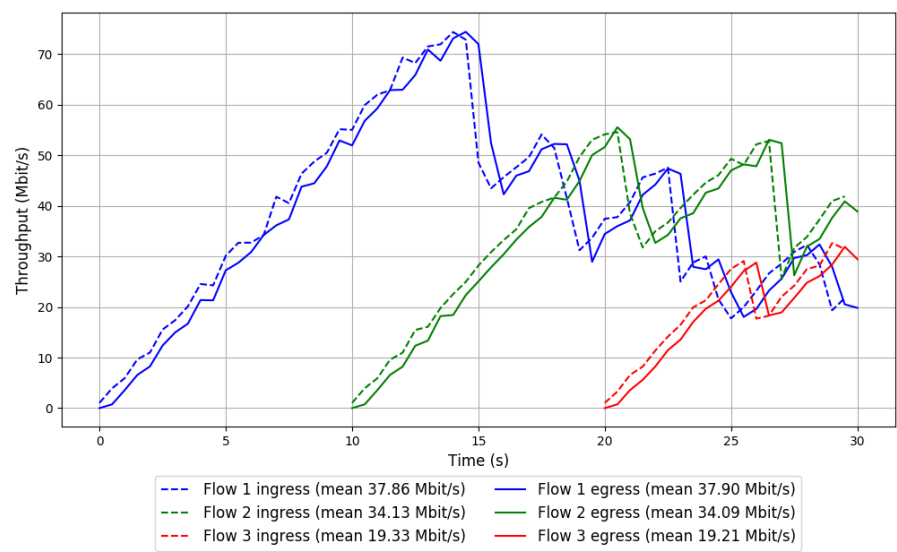


```
Run 1: Statistics of LEDBAT

Start at: 2019-09-18 23:12:41
End at: 2019-09-18 23:13:11
Local clock offset: -2.466 ms
Remote clock offset: 8.008 ms

# Below is generated by plot.py at 2019-09-19 07:01:44
# Datalink statistics
-- Total of 3 flows:
Average throughput: 66.97 Mbit/s
95th percentile per-packet one-way delay: 42.080 ms
Loss rate: 0.35%
-- Flow 1:
Average throughput: 37.90 Mbit/s
95th percentile per-packet one-way delay: 42.320 ms
Loss rate: 0.15%
-- Flow 2:
Average throughput: 34.09 Mbit/s
95th percentile per-packet one-way delay: 42.021 ms
Loss rate: 0.44%
-- Flow 3:
Average throughput: 19.21 Mbit/s
95th percentile per-packet one-way delay: 41.344 ms
Loss rate: 1.24%
```

Run 1: Report of LEDBAT — Data Link



Run 2: Statistics of LEDBAT

Start at: 2019-09-19 01:41:56

End at: 2019-09-19 01:42:26

Local clock offset: -1.635 ms

Remote clock offset: 6.546 ms

Below is generated by plot.py at 2019-09-19 07:01:51

Datalink statistics

-- Total of 3 flows:

Average throughput: 66.90 Mbit/s

95th percentile per-packet one-way delay: 41.236 ms

Loss rate: 0.35%

-- Flow 1:

Average throughput: 37.89 Mbit/s

95th percentile per-packet one-way delay: 40.724 ms

Loss rate: 0.15%

-- Flow 2:

Average throughput: 34.31 Mbit/s

95th percentile per-packet one-way delay: 42.461 ms

Loss rate: 0.43%

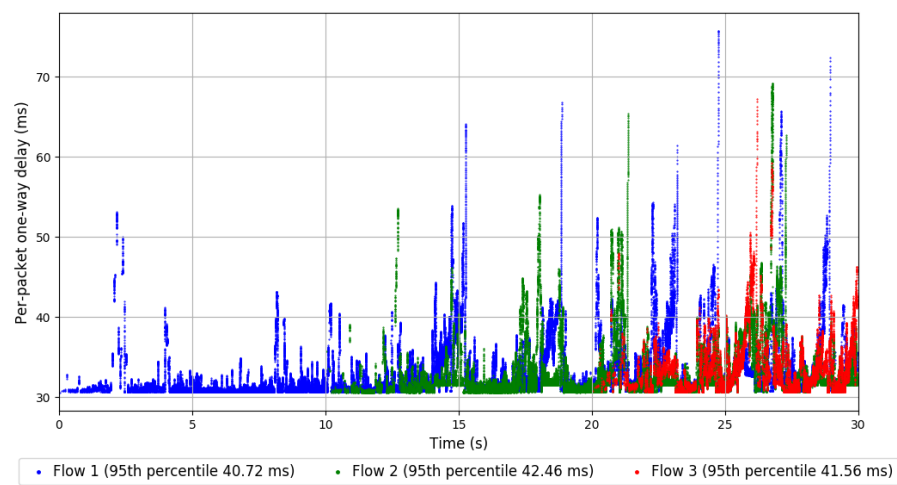
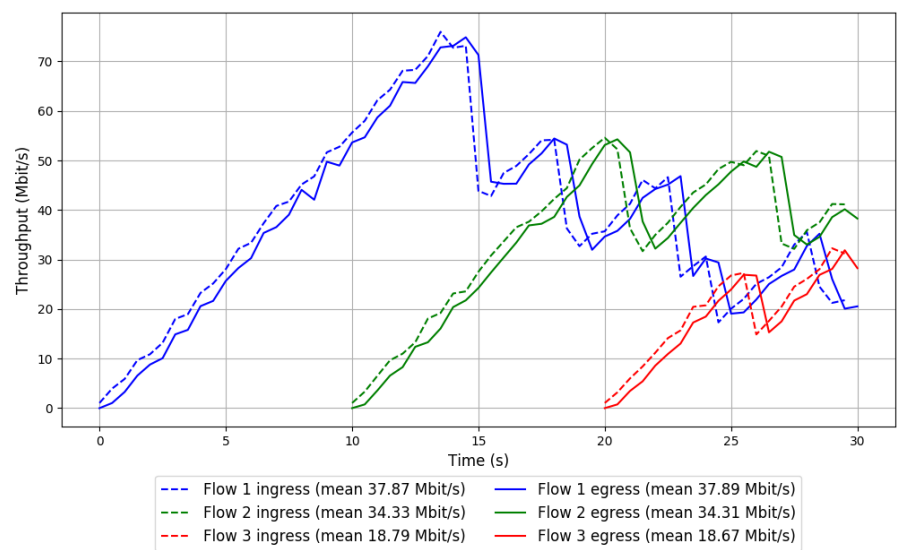
-- Flow 3:

Average throughput: 18.67 Mbit/s

95th percentile per-packet one-way delay: 41.565 ms

Loss rate: 1.27%

Run 2: Report of LEDBAT — Data Link

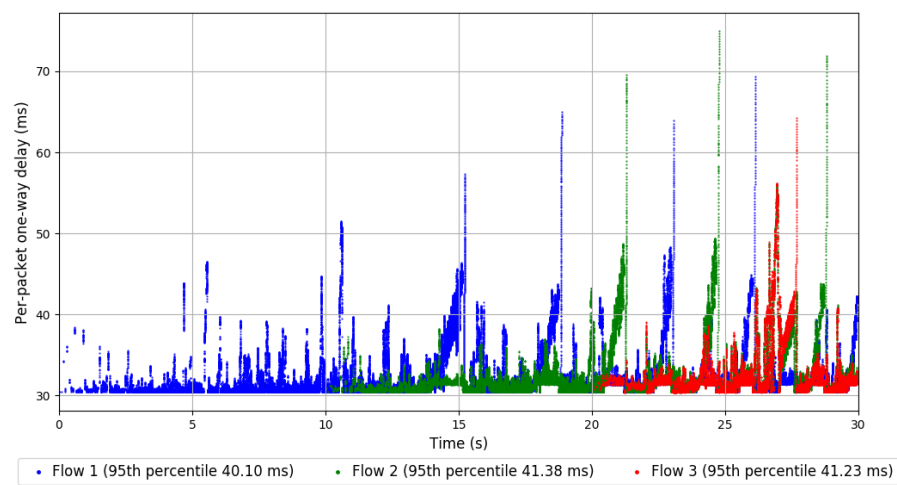
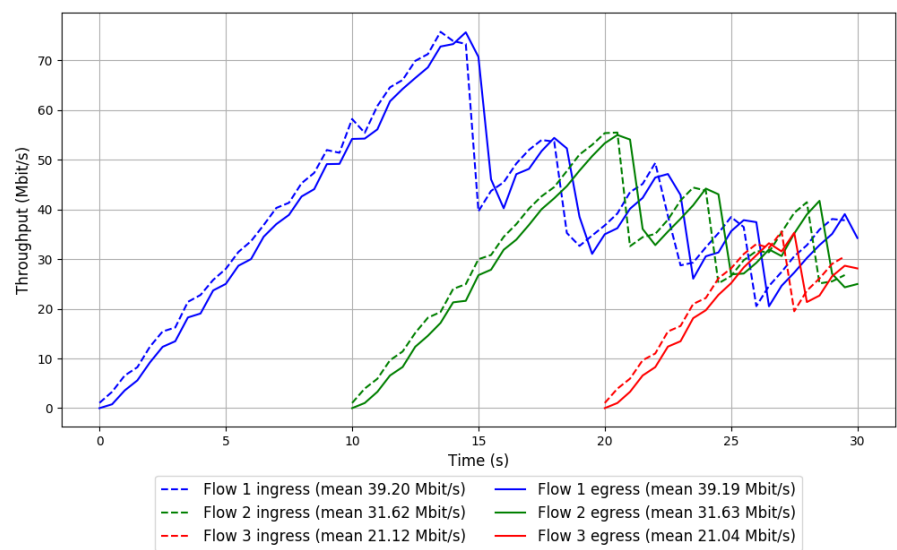


Run 3: Statistics of LEDBAT

Start at: 2019-09-19 03:52:01
End at: 2019-09-19 03:52:31
Local clock offset: -2.978 ms
Remote clock offset: 9.175 ms

Below is generated by plot.py at 2019-09-19 07:01:57
Datalink statistics
-- Total of 3 flows:
Average throughput: 67.22 Mbit/s
95th percentile per-packet one-way delay: 40.570 ms
Loss rate: 0.34%
-- Flow 1:
Average throughput: 39.19 Mbit/s
95th percentile per-packet one-way delay: 40.103 ms
Loss rate: 0.24%
-- Flow 2:
Average throughput: 31.63 Mbit/s
95th percentile per-packet one-way delay: 41.377 ms
Loss rate: 0.31%
-- Flow 3:
Average throughput: 21.04 Mbit/s
95th percentile per-packet one-way delay: 41.231 ms
Loss rate: 1.03%

Run 3: Report of LEDBAT — Data Link



Run 4: Statistics of LEDBAT

Start at: 2019-09-19 05:03:05

End at: 2019-09-19 05:03:35

Local clock offset: 0.884 ms

Remote clock offset: 7.335 ms

Below is generated by plot.py at 2019-09-19 07:01:58

Datalink statistics

-- Total of 3 flows:

Average throughput: 67.32 Mbit/s

95th percentile per-packet one-way delay: 40.096 ms

Loss rate: 0.35%

-- Flow 1:

Average throughput: 39.56 Mbit/s

95th percentile per-packet one-way delay: 40.396 ms

Loss rate: 0.23%

-- Flow 2:

Average throughput: 31.04 Mbit/s

95th percentile per-packet one-way delay: 39.553 ms

Loss rate: 0.34%

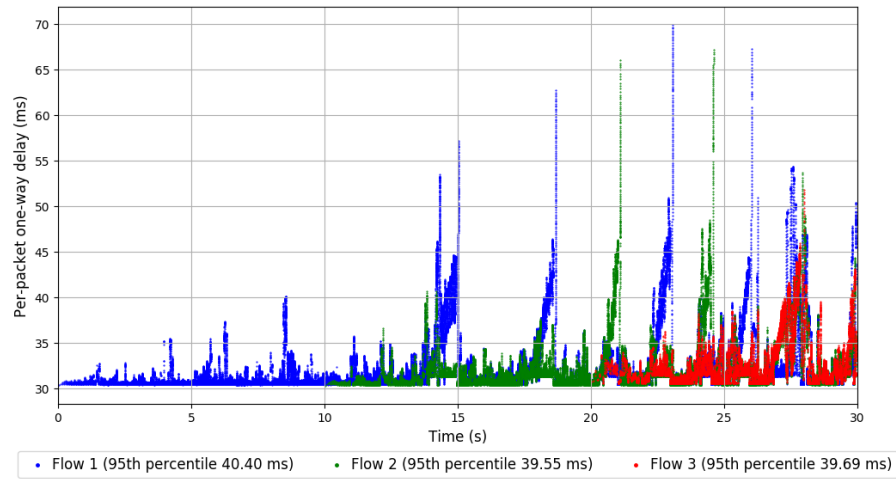
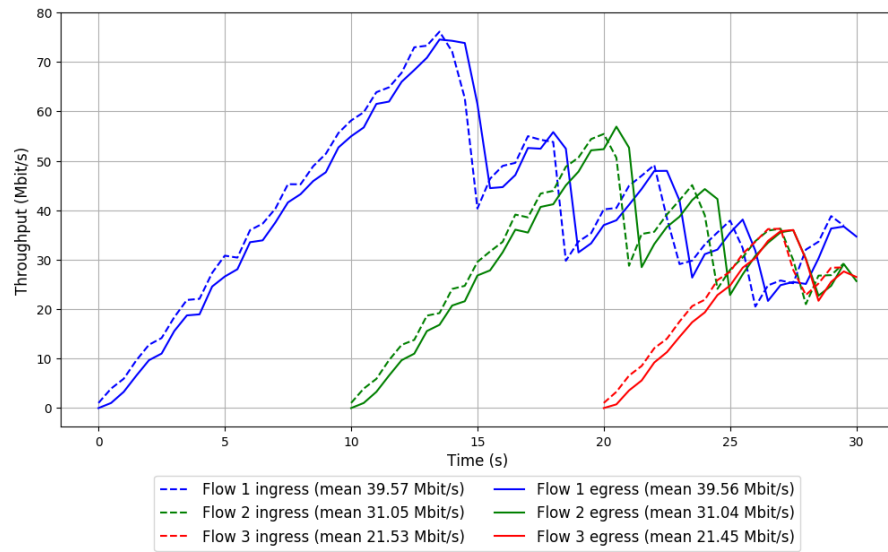
-- Flow 3:

Average throughput: 21.45 Mbit/s

95th percentile per-packet one-way delay: 39.690 ms

Loss rate: 0.98%

Run 4: Report of LEDBAT — Data Link



Run 5: Statistics of LEDBAT

Start at: 2019-09-19 06:07:50

End at: 2019-09-19 06:08:20

Local clock offset: -1.235 ms

Remote clock offset: 7.943 ms

Below is generated by plot.py at 2019-09-19 07:02:00

Datalink statistics

-- Total of 3 flows:

Average throughput: 65.57 Mbit/s

95th percentile per-packet one-way delay: 39.116 ms

Loss rate: 0.32%

-- Flow 1:

Average throughput: 38.62 Mbit/s

95th percentile per-packet one-way delay: 38.285 ms

Loss rate: 0.15%

-- Flow 2:

Average throughput: 29.48 Mbit/s

95th percentile per-packet one-way delay: 40.363 ms

Loss rate: 0.40%

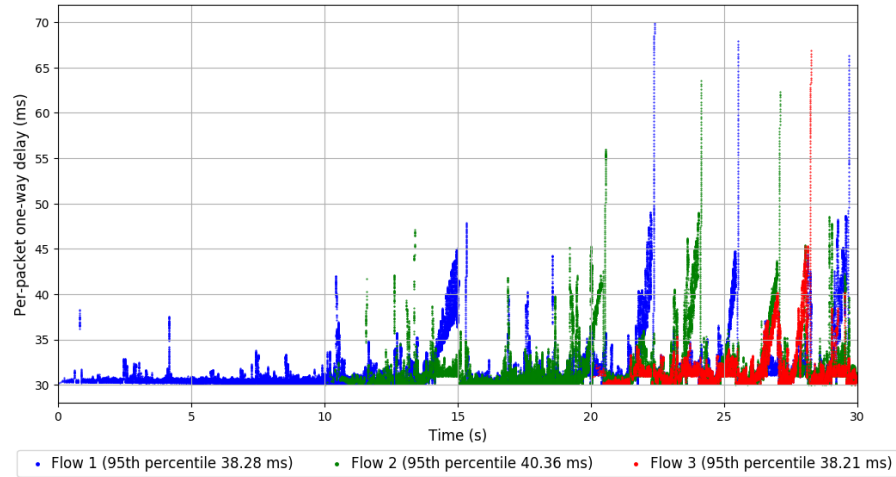
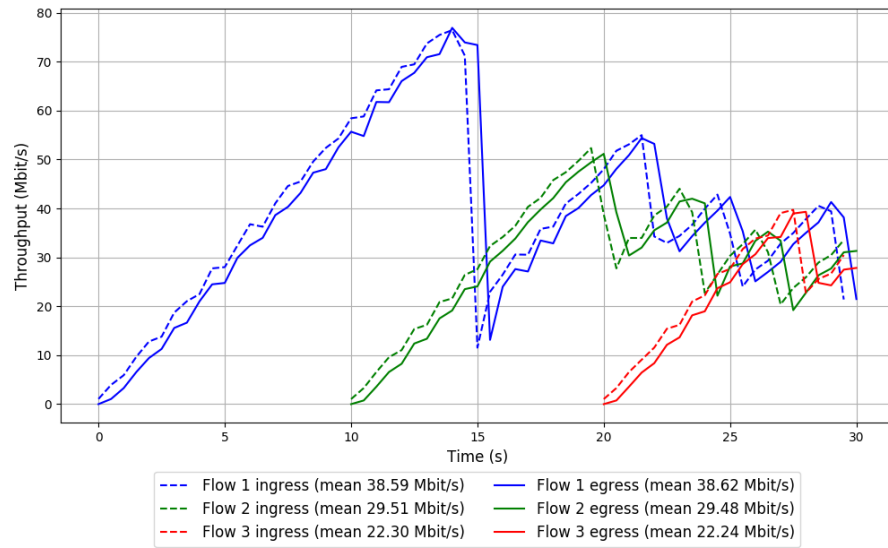
-- Flow 3:

Average throughput: 22.24 Mbit/s

95th percentile per-packet one-way delay: 38.206 ms

Loss rate: 0.94%

Run 5: Report of LEDBAT — Data Link



Run 1: Statistics of Muses_DecisionTree

Start at: 2019-09-19 01:03:16

End at: 2019-09-19 01:03:46

Local clock offset: 3.729 ms

Remote clock offset: 8.313 ms

Below is generated by plot.py at 2019-09-19 07:02:30

Datalink statistics

-- Total of 3 flows:

Average throughput: 88.55 Mbit/s

95th percentile per-packet one-way delay: 46.399 ms

Loss rate: 0.25%

-- Flow 1:

Average throughput: 54.63 Mbit/s

95th percentile per-packet one-way delay: 43.551 ms

Loss rate: 0.15%

-- Flow 2:

Average throughput: 37.95 Mbit/s

95th percentile per-packet one-way delay: 50.162 ms

Loss rate: 0.37%

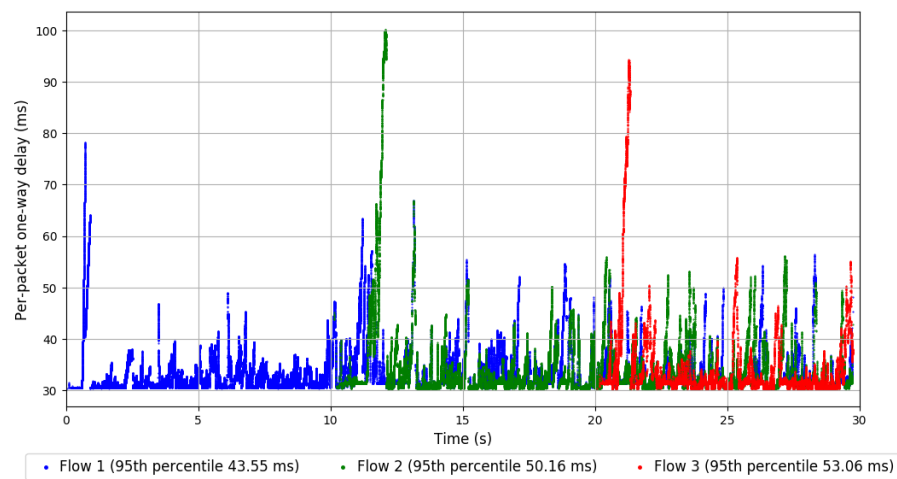
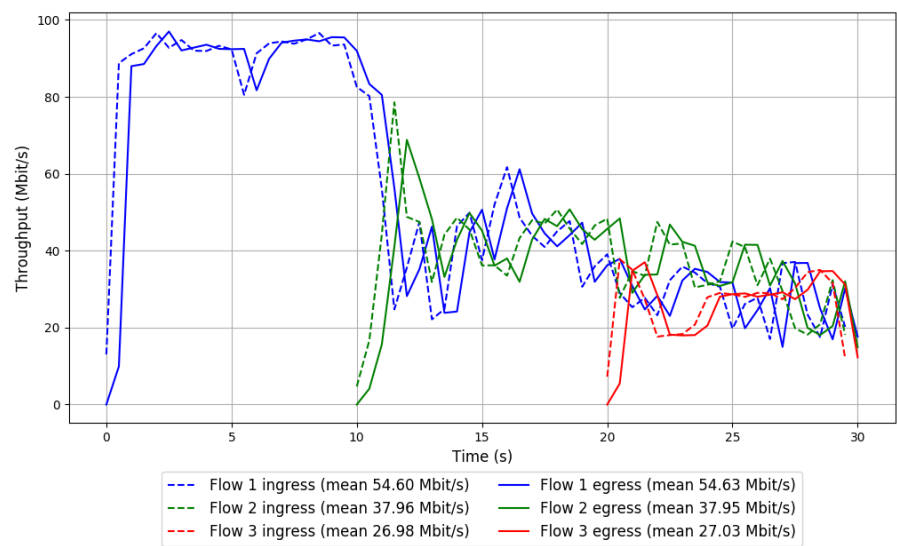
-- Flow 3:

Average throughput: 27.03 Mbit/s

95th percentile per-packet one-way delay: 53.065 ms

Loss rate: 0.49%

Run 1: Report of Muses_DecisionTree — Data Link



Run 2: Statistics of Muses_DecisionTree

Start at: 2019-09-19 03:20:49

End at: 2019-09-19 03:21:19

Local clock offset: 0.079 ms

Remote clock offset: 7.769 ms

Below is generated by plot.py at 2019-09-19 07:02:33

Datalink statistics

-- Total of 3 flows:

Average throughput: 90.73 Mbit/s

95th percentile per-packet one-way delay: 43.221 ms

Loss rate: 0.25%

-- Flow 1:

Average throughput: 54.92 Mbit/s

95th percentile per-packet one-way delay: 40.885 ms

Loss rate: 0.15%

-- Flow 2:

Average throughput: 38.05 Mbit/s

95th percentile per-packet one-way delay: 47.441 ms

Loss rate: 0.26%

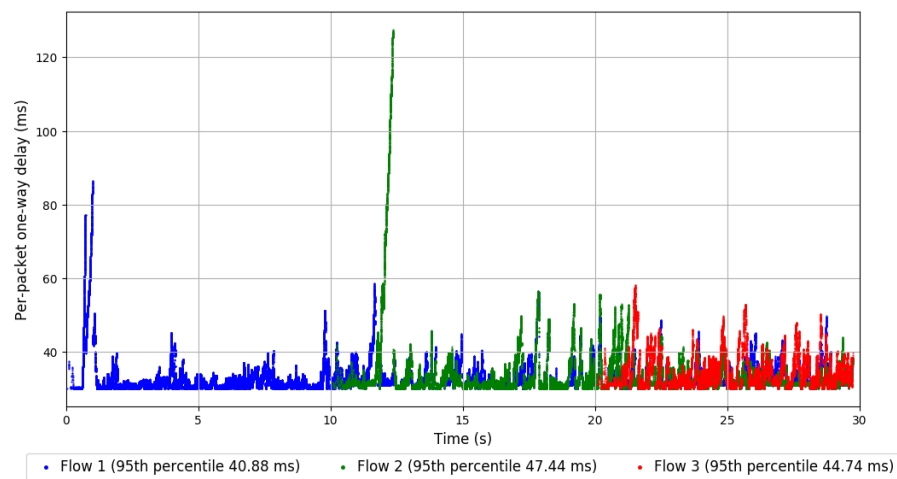
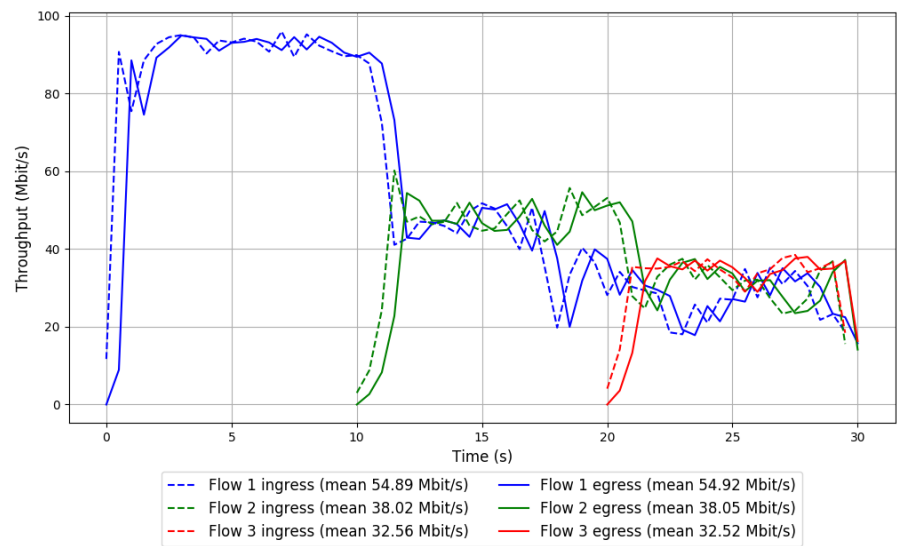
-- Flow 3:

Average throughput: 32.52 Mbit/s

95th percentile per-packet one-way delay: 44.743 ms

Loss rate: 0.73%

Run 2: Report of Muses_DecisionTree — Data Link



Run 3: Statistics of Muses_DecisionTree

Start at: 2019-09-19 04:40:32

End at: 2019-09-19 04:41:02

Local clock offset: -0.492 ms

Remote clock offset: 8.741 ms

Below is generated by plot.py at 2019-09-19 07:02:38

Datalink statistics

-- Total of 3 flows:

Average throughput: 92.27 Mbit/s

95th percentile per-packet one-way delay: 41.712 ms

Loss rate: 0.19%

-- Flow 1:

Average throughput: 57.26 Mbit/s

95th percentile per-packet one-way delay: 40.062 ms

Loss rate: 0.05%

-- Flow 2:

Average throughput: 38.40 Mbit/s

95th percentile per-packet one-way delay: 44.329 ms

Loss rate: 0.34%

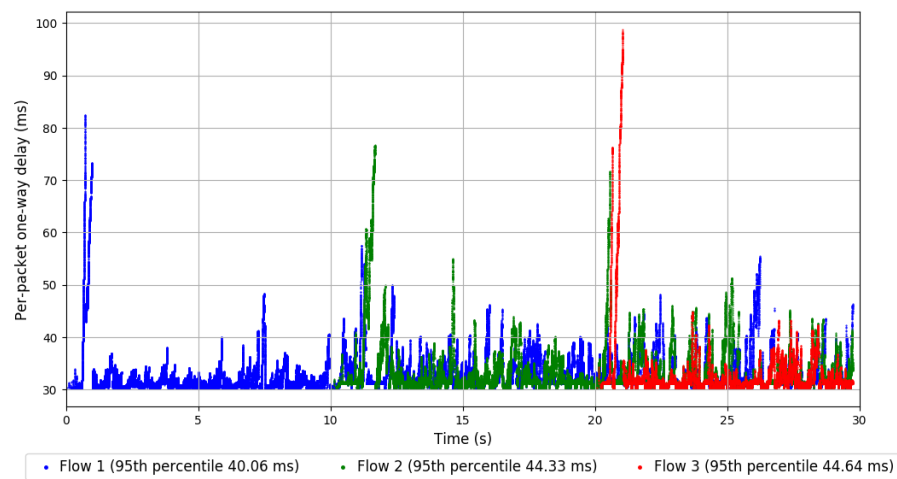
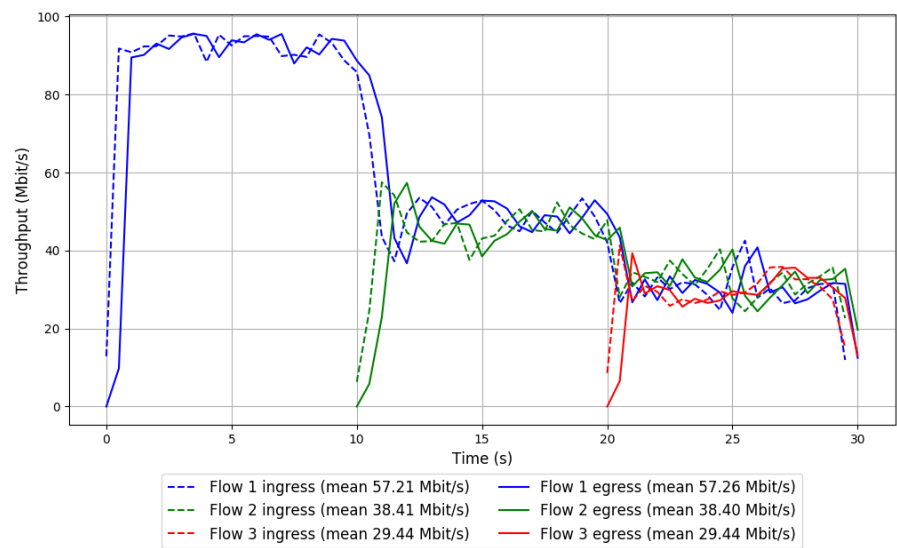
-- Flow 3:

Average throughput: 29.44 Mbit/s

95th percentile per-packet one-way delay: 44.638 ms

Loss rate: 0.67%

Run 3: Report of Muses_DecisionTree — Data Link



Run 4: Statistics of Muses_DecisionTree

Start at: 2019-09-19 05:48:21

End at: 2019-09-19 05:48:51

Local clock offset: -2.848 ms

Remote clock offset: 7.68 ms

Below is generated by plot.py at 2019-09-19 07:02:49

Datalink statistics

-- Total of 3 flows:

Average throughput: 92.34 Mbit/s

95th percentile per-packet one-way delay: 39.003 ms

Loss rate: 0.22%

-- Flow 1:

Average throughput: 62.43 Mbit/s

95th percentile per-packet one-way delay: 37.470 ms

Loss rate: 0.10%

-- Flow 2:

Average throughput: 30.12 Mbit/s

95th percentile per-packet one-way delay: 38.016 ms

Loss rate: 0.36%

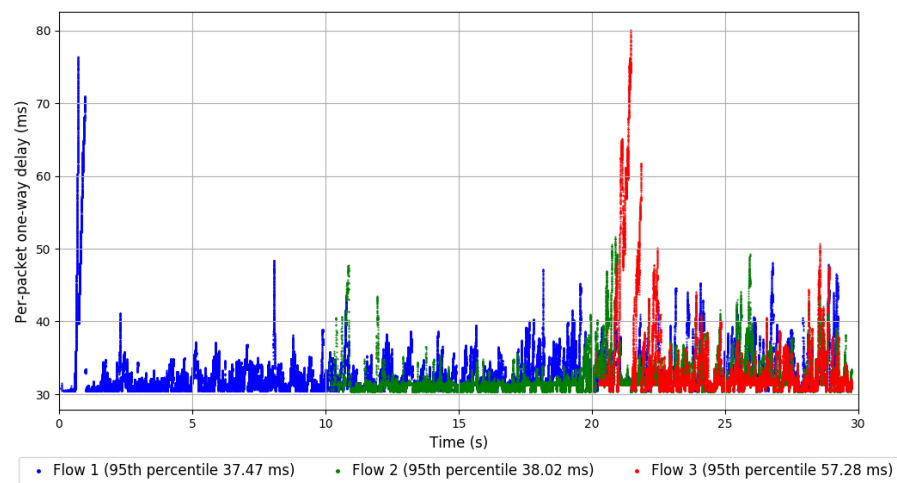
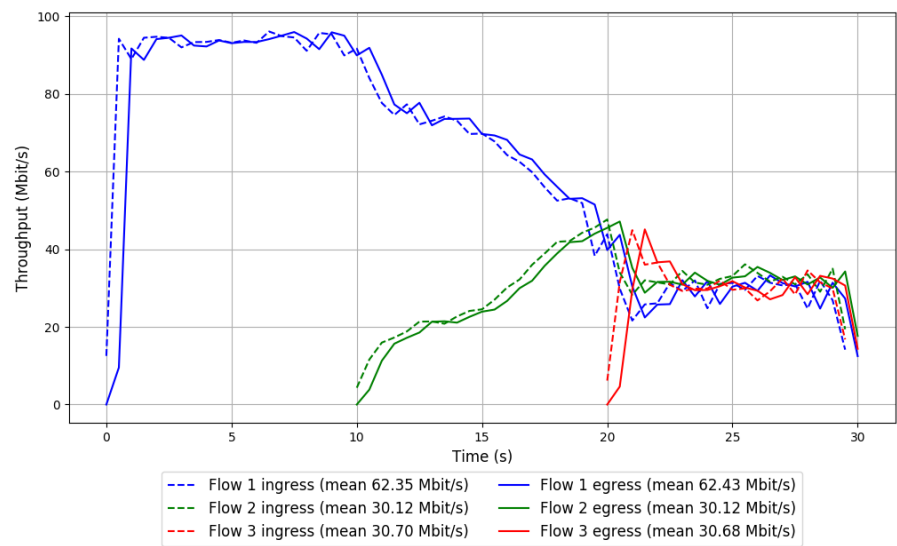
-- Flow 3:

Average throughput: 30.68 Mbit/s

95th percentile per-packet one-way delay: 57.277 ms

Loss rate: 0.73%

Run 4: Report of Muses_DecisionTree — Data Link



Run 5: Statistics of Muses_DecisionTree

Start at: 2019-09-19 06:44:35

End at: 2019-09-19 06:45:05

Local clock offset: 3.294 ms

Remote clock offset: 9.224 ms

Below is generated by plot.py at 2019-09-19 07:02:55

Datalink statistics

-- Total of 3 flows:

Average throughput: 92.79 Mbit/s

95th percentile per-packet one-way delay: 41.552 ms

Loss rate: 0.26%

-- Flow 1:

Average throughput: 56.78 Mbit/s

95th percentile per-packet one-way delay: 41.704 ms

Loss rate: 0.14%

-- Flow 2:

Average throughput: 39.25 Mbit/s

95th percentile per-packet one-way delay: 40.188 ms

Loss rate: 0.34%

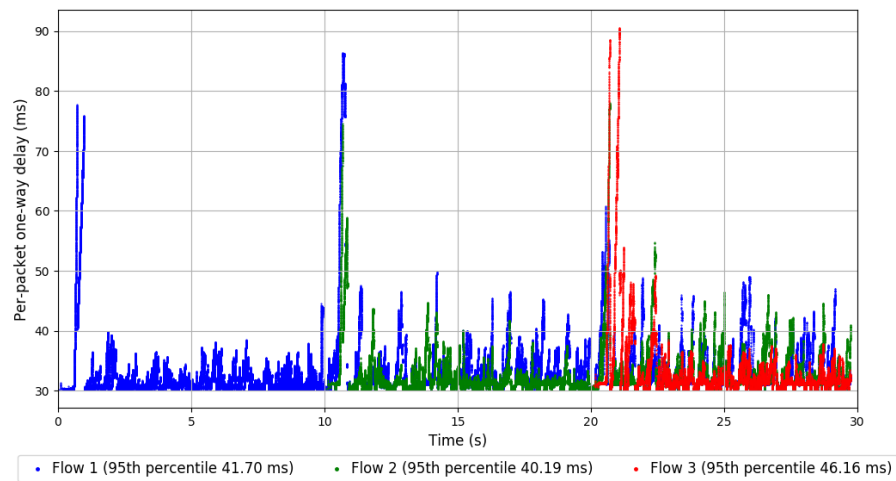
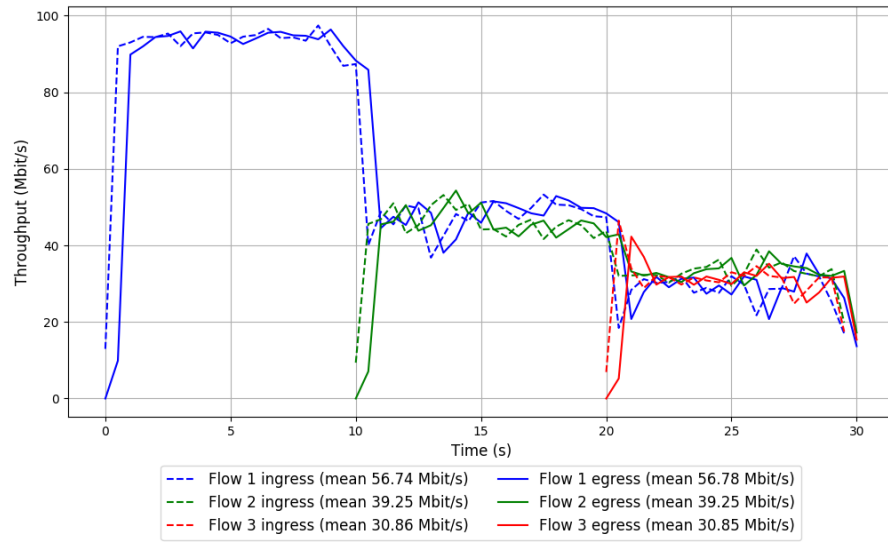
-- Flow 3:

Average throughput: 30.85 Mbit/s

95th percentile per-packet one-way delay: 46.163 ms

Loss rate: 0.70%

Run 5: Report of Muses_DecisionTree — Data Link



Run 1: Statistics of Muses_DecisionTreeH0

Start at: 2019-09-18 23:44:56

End at: 2019-09-18 23:45:26

Local clock offset: 3.199 ms

Remote clock offset: 6.888 ms

Below is generated by plot.py at 2019-09-19 07:02:55

Datalink statistics

-- Total of 3 flows:

Average throughput: 78.81 Mbit/s

95th percentile per-packet one-way delay: 123.102 ms

Loss rate: 0.25%

-- Flow 1:

Average throughput: 50.16 Mbit/s

95th percentile per-packet one-way delay: 124.522 ms

Loss rate: 0.13%

-- Flow 2:

Average throughput: 31.74 Mbit/s

95th percentile per-packet one-way delay: 124.870 ms

Loss rate: 0.23%

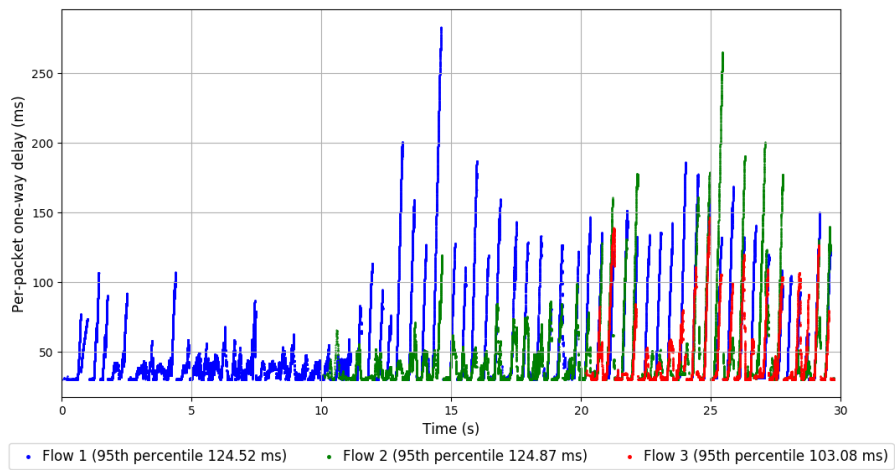
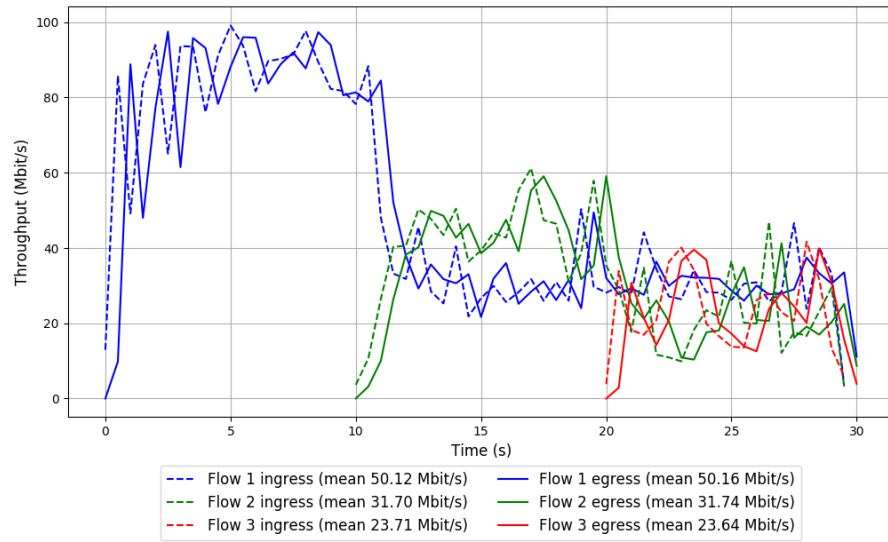
-- Flow 3:

Average throughput: 23.64 Mbit/s

95th percentile per-packet one-way delay: 103.082 ms

Loss rate: 1.04%

Run 1: Report of Muses_DecisionTreeH0 — Data Link



Run 2: Statistics of Muses_DecisionTreeH0

Start at: 2019-09-19 02:03:36

End at: 2019-09-19 02:04:06

Local clock offset: -3.17 ms

Remote clock offset: 8.07 ms

Below is generated by plot.py at 2019-09-19 07:02:55

Datalink statistics

-- Total of 3 flows:

Average throughput: 74.77 Mbit/s

95th percentile per-packet one-way delay: 120.460 ms

Loss rate: 0.38%

-- Flow 1:

Average throughput: 46.84 Mbit/s

95th percentile per-packet one-way delay: 123.587 ms

Loss rate: 0.40%

-- Flow 2:

Average throughput: 29.24 Mbit/s

95th percentile per-packet one-way delay: 119.405 ms

Loss rate: 0.30%

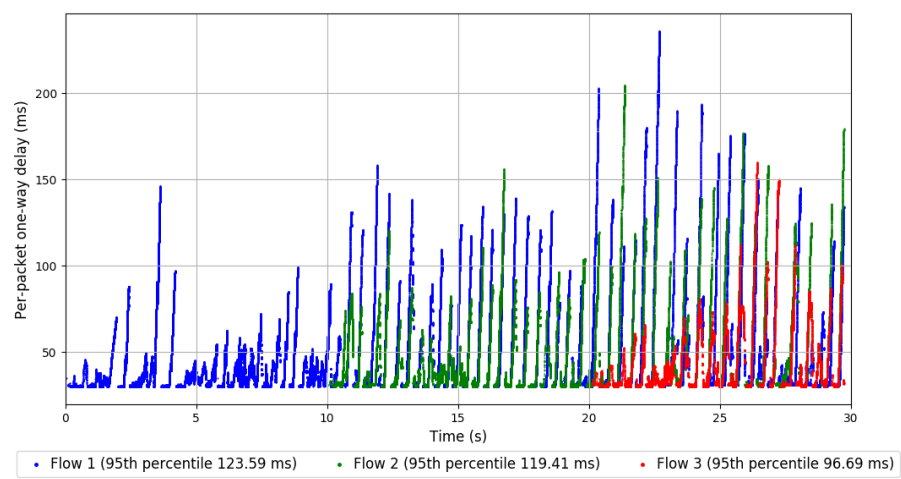
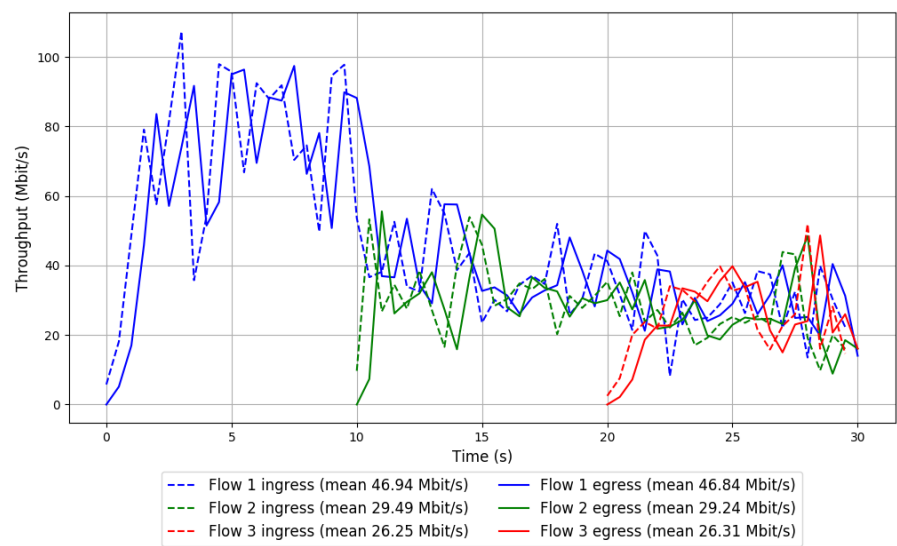
-- Flow 3:

Average throughput: 26.31 Mbit/s

95th percentile per-packet one-way delay: 96.695 ms

Loss rate: 0.49%

Run 2: Report of Muses_DecisionTreeH0 — Data Link



Run 3: Statistics of Muses_DecisionTreeH0

Start at: 2019-09-19 04:02:33

End at: 2019-09-19 04:03:03

Local clock offset: -3.147 ms

Remote clock offset: 9.4 ms

Below is generated by plot.py at 2019-09-19 07:02:55

Datalink statistics

-- Total of 3 flows:

Average throughput: 78.15 Mbit/s

95th percentile per-packet one-way delay: 122.410 ms

Loss rate: 0.37%

-- Flow 1:

Average throughput: 49.91 Mbit/s

95th percentile per-packet one-way delay: 115.875 ms

Loss rate: 0.14%

-- Flow 2:

Average throughput: 31.63 Mbit/s

95th percentile per-packet one-way delay: 146.299 ms

Loss rate: 0.44%

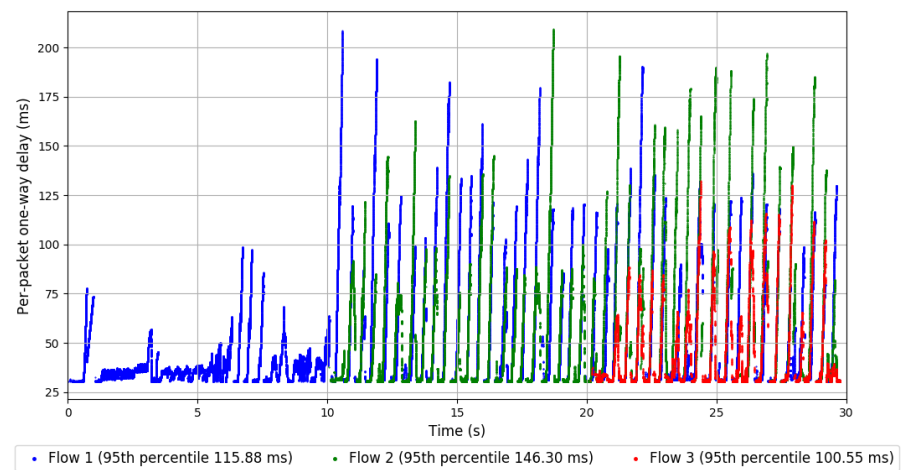
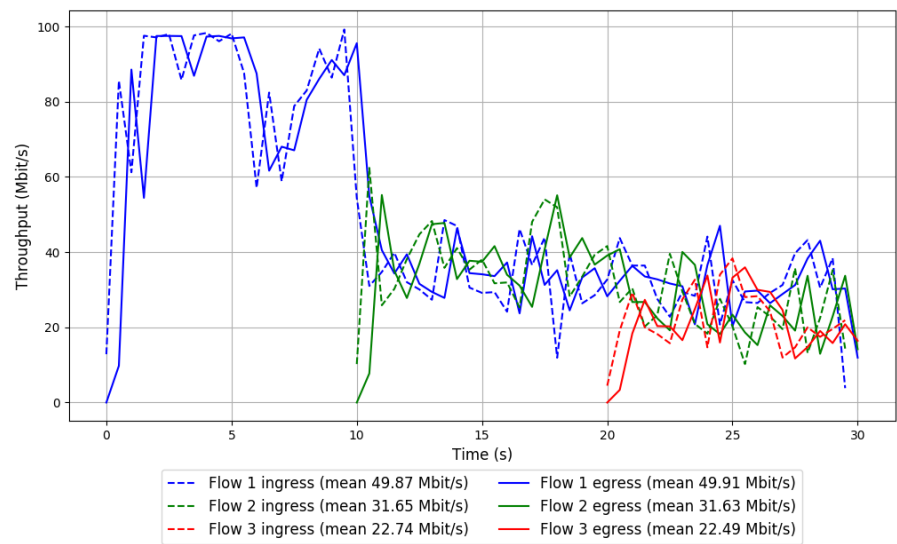
-- Flow 3:

Average throughput: 22.49 Mbit/s

95th percentile per-packet one-way delay: 100.547 ms

Loss rate: 1.72%

Run 3: Report of Muses_DecisionTreeH0 — Data Link



Run 4: Statistics of Muses_DecisionTreeH0

Start at: 2019-09-19 05:13:59

End at: 2019-09-19 05:14:29

Local clock offset: 0.618 ms

Remote clock offset: 7.287 ms

Below is generated by plot.py at 2019-09-19 07:03:23

Datalink statistics

-- Total of 3 flows:

Average throughput: 76.88 Mbit/s

95th percentile per-packet one-way delay: 135.344 ms

Loss rate: 0.71%

-- Flow 1:

Average throughput: 47.41 Mbit/s

95th percentile per-packet one-way delay: 149.396 ms

Loss rate: 0.66%

-- Flow 2:

Average throughput: 30.63 Mbit/s

95th percentile per-packet one-way delay: 128.236 ms

Loss rate: 0.47%

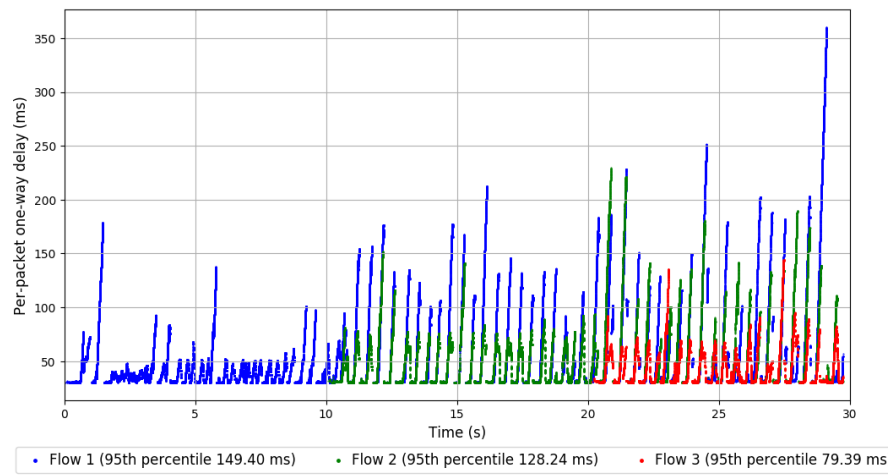
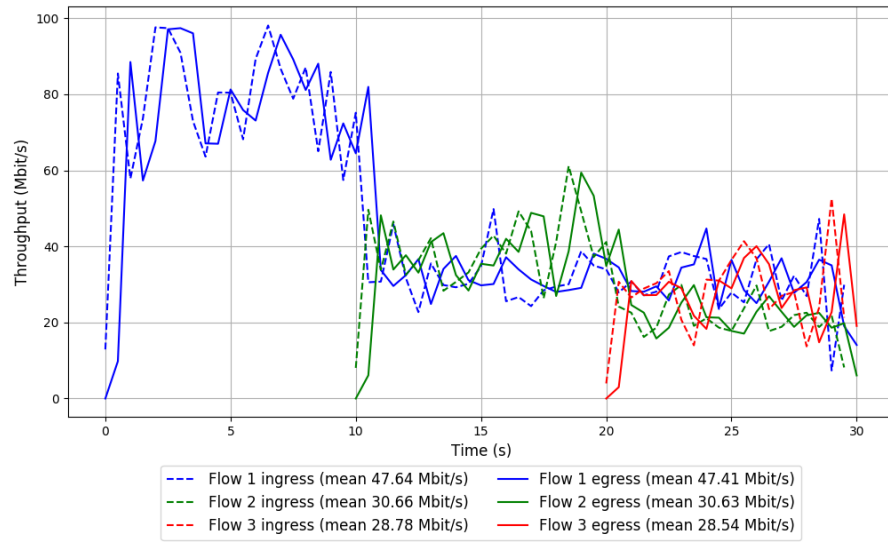
-- Flow 3:

Average throughput: 28.54 Mbit/s

95th percentile per-packet one-way delay: 79.386 ms

Loss rate: 1.55%

Run 4: Report of Muses_DecisionTreeH0 — Data Link



Run 5: Statistics of Muses_DecisionTreeH0

Start at: 2019-09-19 06:15:57

End at: 2019-09-19 06:16:27

Local clock offset: -0.131 ms

Remote clock offset: 8.071 ms

Below is generated by plot.py at 2019-09-19 07:03:26

Datalink statistics

-- Total of 3 flows:

Average throughput: 78.48 Mbit/s

95th percentile per-packet one-way delay: 153.046 ms

Loss rate: 0.68%

-- Flow 1:

Average throughput: 49.75 Mbit/s

95th percentile per-packet one-way delay: 152.688 ms

Loss rate: 0.67%

-- Flow 2:

Average throughput: 31.01 Mbit/s

95th percentile per-packet one-way delay: 166.853 ms

Loss rate: 0.48%

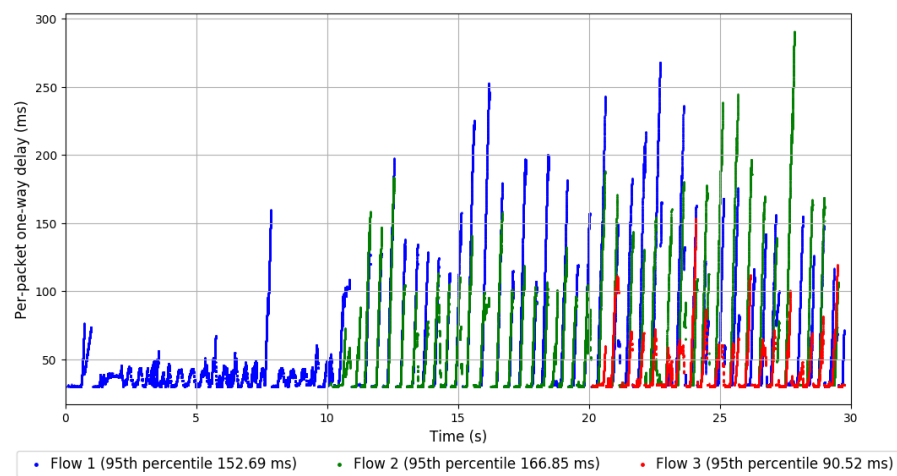
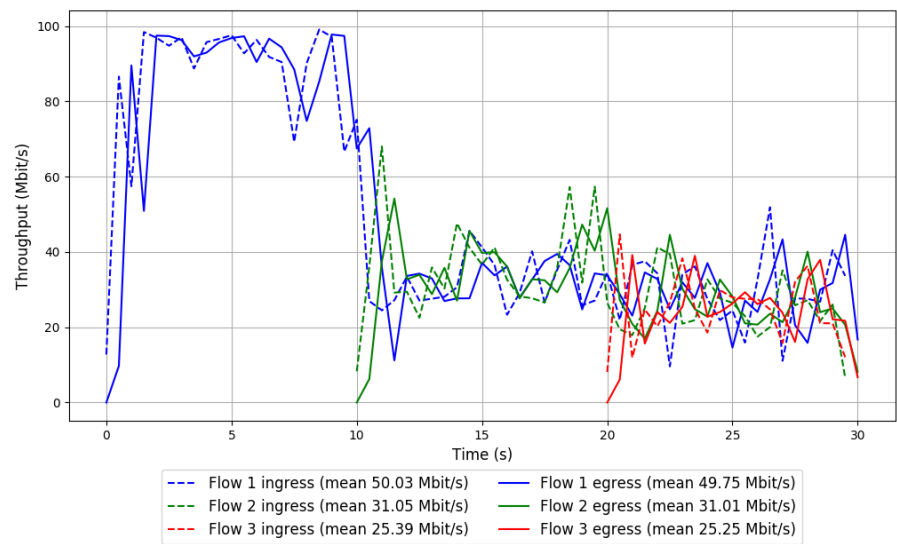
-- Flow 3:

Average throughput: 25.25 Mbit/s

95th percentile per-packet one-way delay: 90.517 ms

Loss rate: 1.21%

Run 5: Report of Muses_DecisionTreeH0 — Data Link



Run 1: Statistics of Muses_DecisionTreeR0

Start at: 2019-09-19 00:54:15

End at: 2019-09-19 00:54:45

Local clock offset: 3.548 ms

Remote clock offset: 8.605 ms

Below is generated by plot.py at 2019-09-19 07:03:41

Datalink statistics

-- Total of 3 flows:

Average throughput: 90.71 Mbit/s

95th percentile per-packet one-way delay: 44.871 ms

Loss rate: 0.21%

-- Flow 1:

Average throughput: 52.20 Mbit/s

95th percentile per-packet one-way delay: 41.709 ms

Loss rate: 0.11%

-- Flow 2:

Average throughput: 44.80 Mbit/s

95th percentile per-packet one-way delay: 47.637 ms

Loss rate: 0.27%

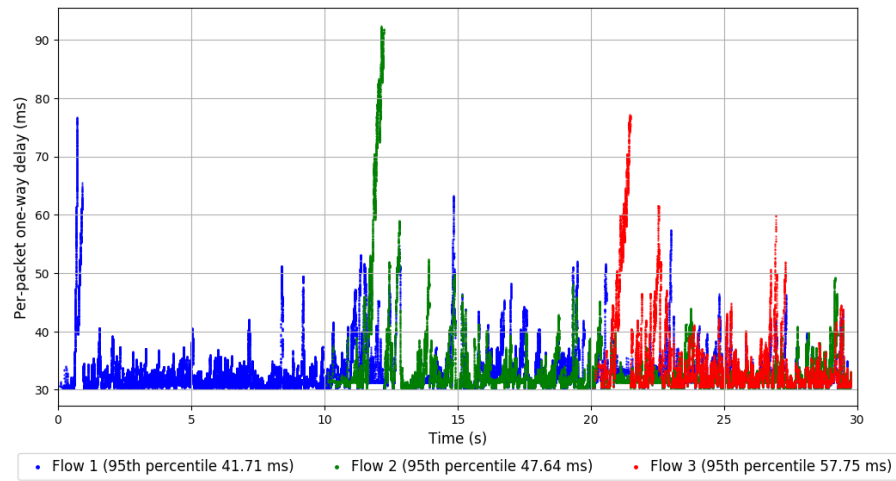
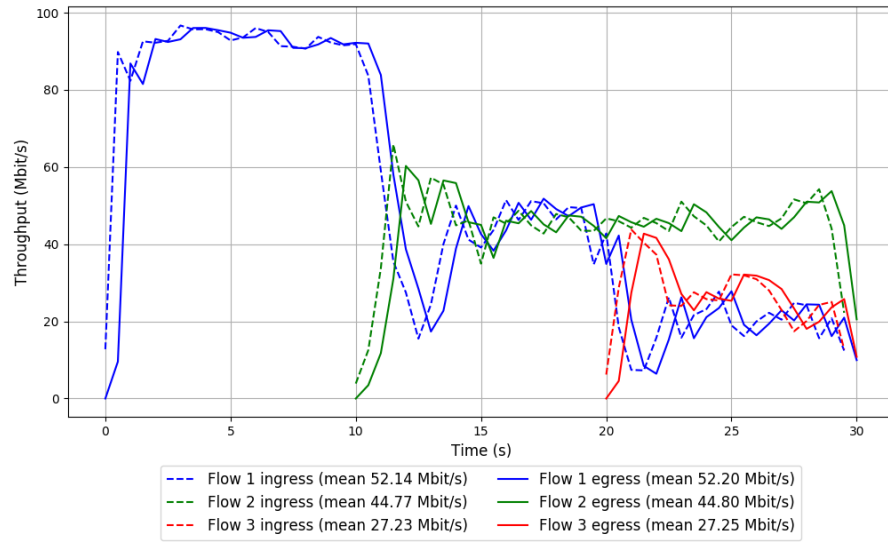
-- Flow 3:

Average throughput: 27.25 Mbit/s

95th percentile per-packet one-way delay: 57.747 ms

Loss rate: 0.61%

Run 1: Report of Muses_DecisionTreeR0 — Data Link



Run 2: Statistics of Muses_DecisionTreeR0

Start at: 2019-09-19 03:01:59

End at: 2019-09-19 03:02:29

Local clock offset: -2.354 ms

Remote clock offset: 8.403 ms

Below is generated by plot.py at 2019-09-19 07:03:45

Datalink statistics

-- Total of 3 flows:

Average throughput: 84.32 Mbit/s

95th percentile per-packet one-way delay: 49.154 ms

Loss rate: 0.21%

-- Flow 1:

Average throughput: 51.26 Mbit/s

95th percentile per-packet one-way delay: 45.303 ms

Loss rate: 0.19%

-- Flow 2:

Average throughput: 35.83 Mbit/s

95th percentile per-packet one-way delay: 63.711 ms

Loss rate: 0.28%

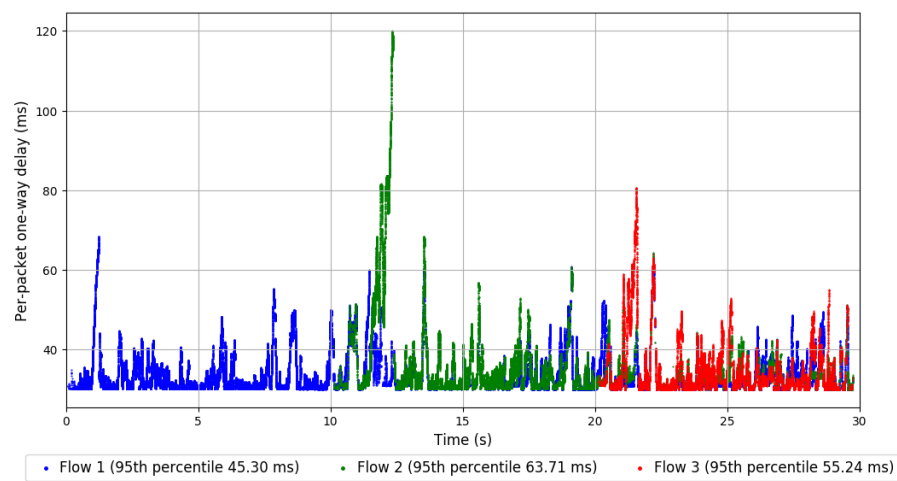
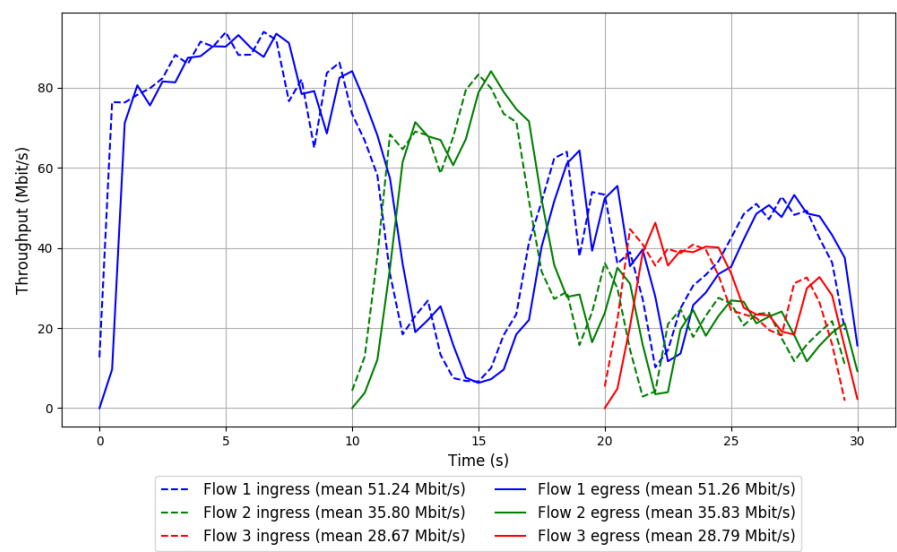
-- Flow 3:

Average throughput: 28.79 Mbit/s

95th percentile per-packet one-way delay: 55.236 ms

Loss rate: 0.19%

Run 2: Report of Muses_DecisionTreeR0 — Data Link



Run 3: Statistics of Muses_DecisionTreeR0

Start at: 2019-09-19 04:35:50

End at: 2019-09-19 04:36:20

Local clock offset: -1.326 ms

Remote clock offset: 9.06 ms

Below is generated by plot.py at 2019-09-19 07:03:52

Datalink statistics

-- Total of 3 flows:

Average throughput: 92.51 Mbit/s

95th percentile per-packet one-way delay: 39.065 ms

Loss rate: 0.26%

-- Flow 1:

Average throughput: 60.88 Mbit/s

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

Loss rate: 0.16%

-- Flow 2:

Average throughput: 33.09 Mbit/s

95th percentile per-packet one-way delay: 35.582 ms

Loss rate: 0.33%

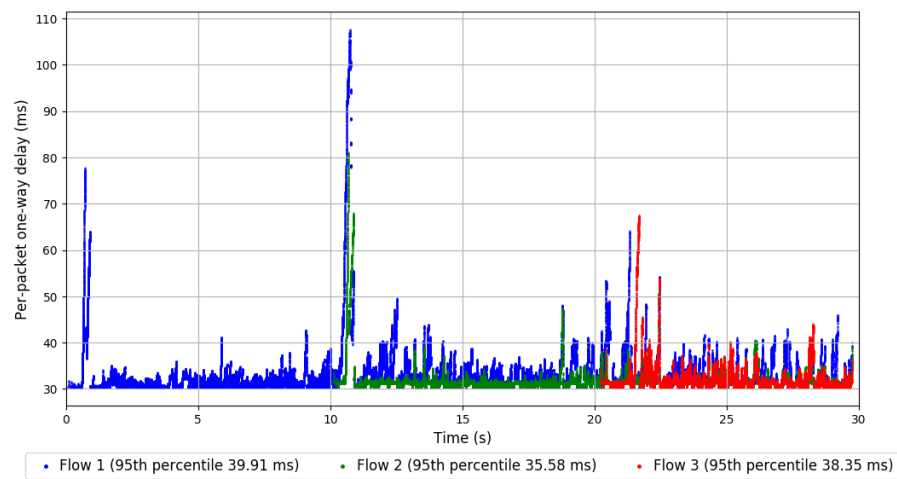
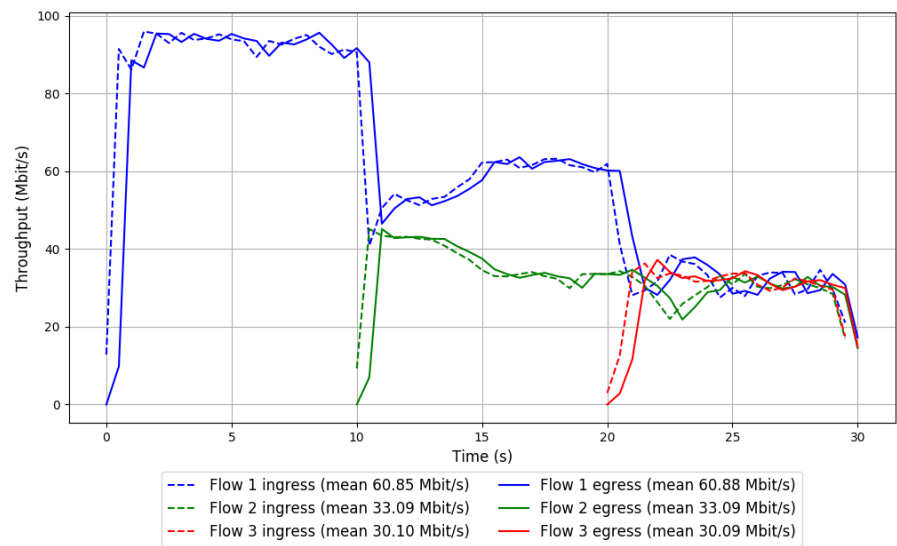
-- Flow 3:

Average throughput: 30.09 Mbit/s

95th percentile per-packet one-way delay: 38.346 ms

Loss rate: 0.72%

Run 3: Report of Muses_DecisionTreeR0 — Data Link



Run 4: Statistics of Muses_DecisionTreeR0

Start at: 2019-09-19 05:43:37

End at: 2019-09-19 05:44:07

Local clock offset: -2.367 ms

Remote clock offset: 7.491 ms

Below is generated by plot.py at 2019-09-19 07:03:54

Datalink statistics

-- Total of 3 flows:

Average throughput: 92.06 Mbit/s

95th percentile per-packet one-way delay: 42.652 ms

Loss rate: 0.23%

-- Flow 1:

Average throughput: 55.59 Mbit/s

95th percentile per-packet one-way delay: 41.285 ms

Loss rate: 0.10%

-- Flow 2:

Average throughput: 40.72 Mbit/s

95th percentile per-packet one-way delay: 45.363 ms

Loss rate: 0.33%

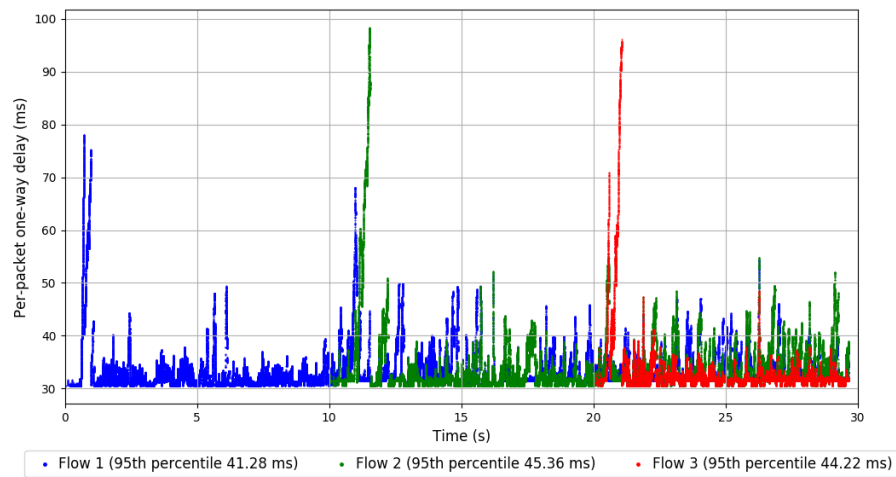
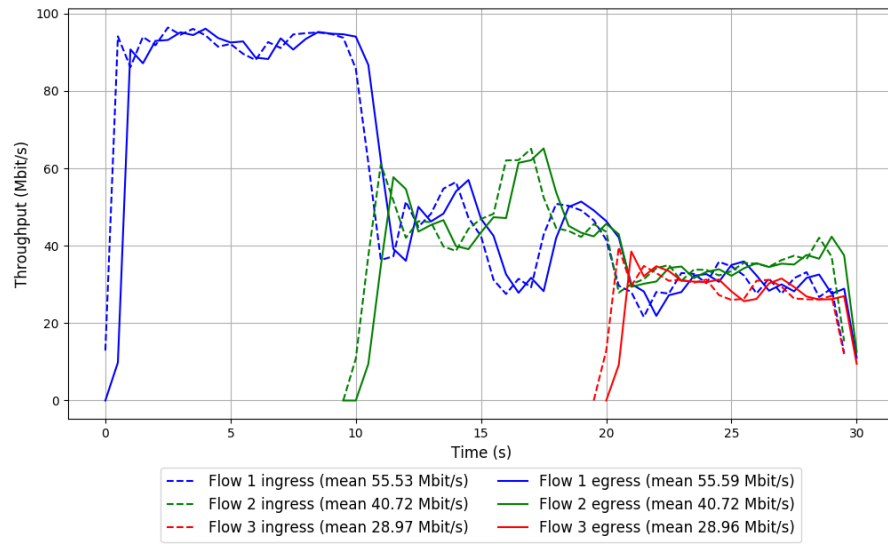
-- Flow 3:

Average throughput: 28.96 Mbit/s

95th percentile per-packet one-way delay: 44.220 ms

Loss rate: 0.71%

Run 4: Report of Muses_DecisionTreeR0 — Data Link



Run 5: Statistics of Muses_DecisionTreeR0

Start at: 2019-09-19 06:40:04

End at: 2019-09-19 06:40:34

Local clock offset: 2.802 ms

Remote clock offset: 9.087 ms

Below is generated by plot.py at 2019-09-19 07:03:58

Datalink statistics

-- Total of 3 flows:

Average throughput: 92.55 Mbit/s

95th percentile per-packet one-way delay: 38.954 ms

Loss rate: 0.23%

-- Flow 1:

Average throughput: 56.46 Mbit/s

95th percentile per-packet one-way delay: 39.916 ms

Loss rate: 0.12%

-- Flow 2:

Average throughput: 41.78 Mbit/s

95th percentile per-packet one-way delay: 35.433 ms

Loss rate: 0.36%

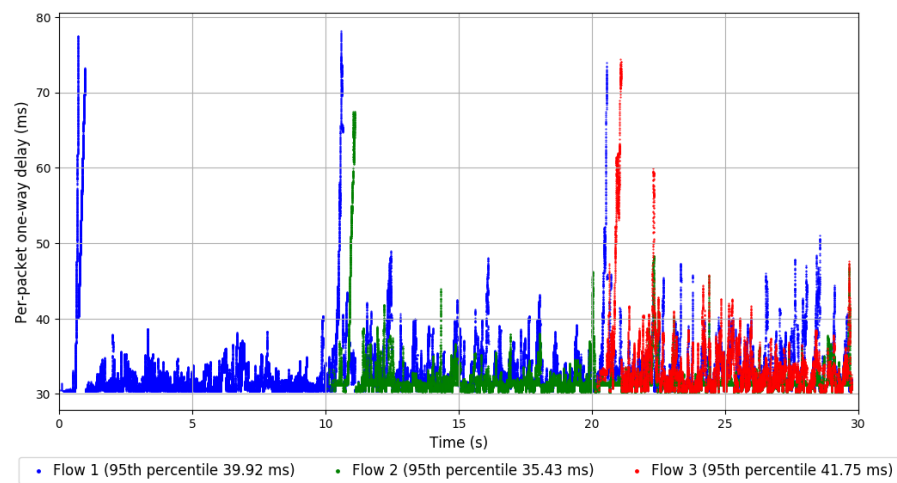
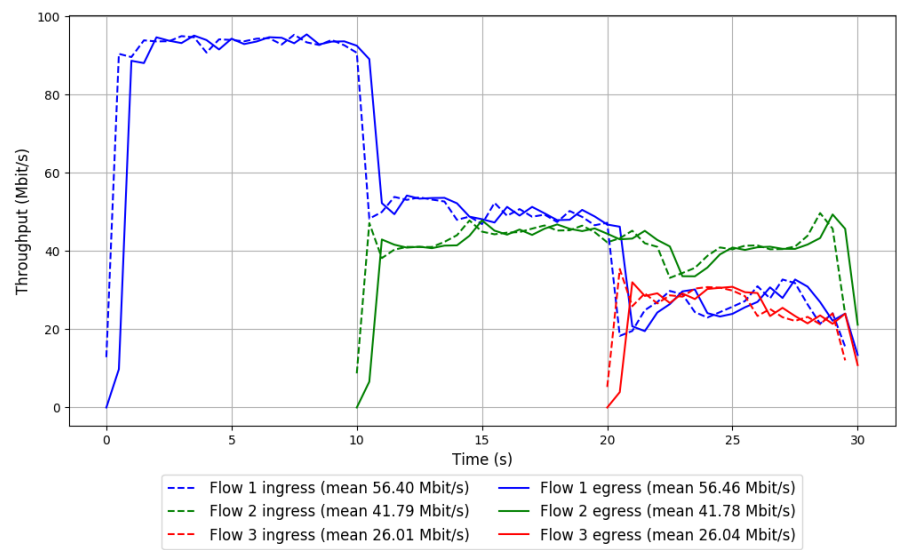
-- Flow 3:

Average throughput: 26.04 Mbit/s

95th percentile per-packet one-way delay: 41.748 ms

Loss rate: 0.53%

Run 5: Report of Muses_DecisionTreeR0 — Data Link

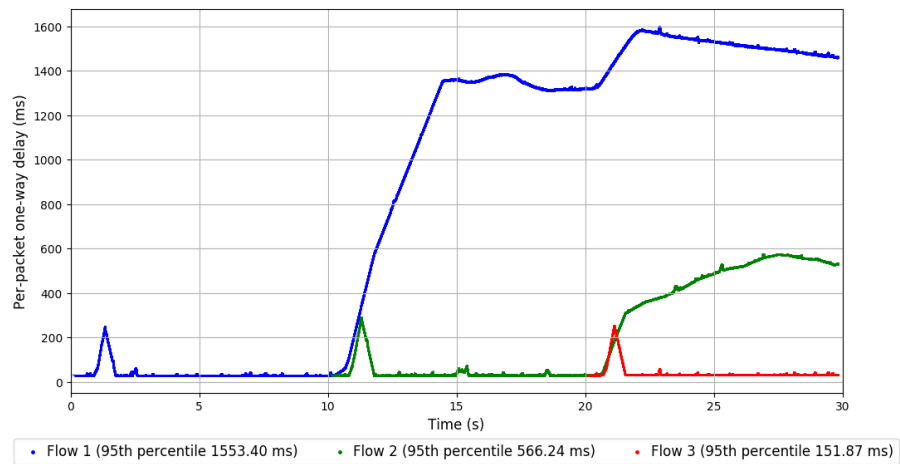
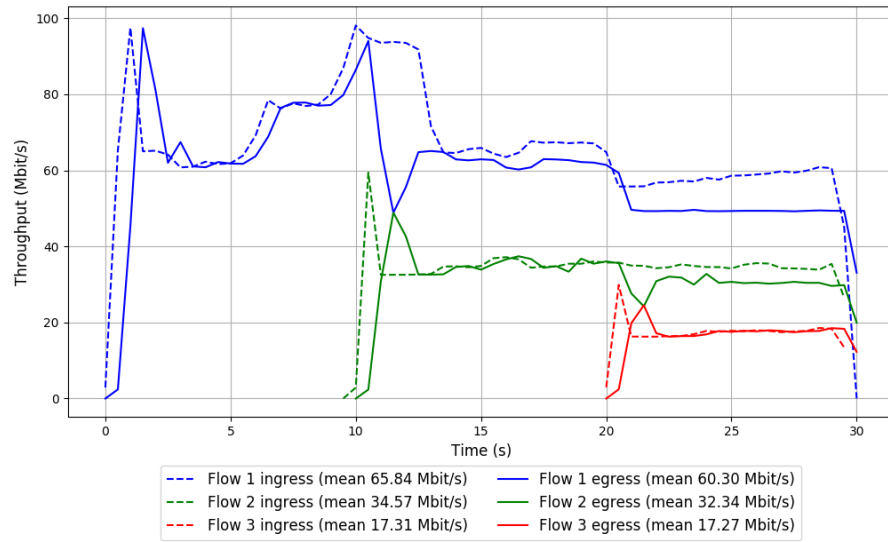


```
Run 1: Statistics of PCC-Allegro

Start at: 2019-09-18 22:47:52
End at: 2019-09-18 22:48:22
Local clock offset: -2.789 ms
Remote clock offset: 7.585 ms

# Below is generated by plot.py at 2019-09-19 07:03:58
# Datalink statistics
-- Total of 3 flows:
Average throughput: 87.46 Mbit/s
95th percentile per-packet one-way delay: 1541.015 ms
Loss rate: 8.84%
-- Flow 1:
Average throughput: 60.30 Mbit/s
95th percentile per-packet one-way delay: 1553.403 ms
Loss rate: 10.24%
-- Flow 2:
Average throughput: 32.34 Mbit/s
95th percentile per-packet one-way delay: 566.238 ms
Loss rate: 6.76%
-- Flow 3:
Average throughput: 17.27 Mbit/s
95th percentile per-packet one-way delay: 151.873 ms
Loss rate: 0.84%
```

Run 1: Report of PCC-Allegro — Data Link



Run 2: Statistics of PCC-Allegro

Start at: 2019-09-19 01:25:04

End at: 2019-09-19 01:25:34

Local clock offset: 3.974 ms

Remote clock offset: 7.357 ms

Below is generated by plot.py at 2019-09-19 07:04:26

Datalink statistics

-- Total of 3 flows:

Average throughput: 86.17 Mbit/s

95th percentile per-packet one-way delay: 2335.333 ms

Loss rate: 5.06%

-- Flow 1:

Average throughput: 58.41 Mbit/s

95th percentile per-packet one-way delay: 2360.400 ms

Loss rate: 6.26%

-- Flow 2:

Average throughput: 26.08 Mbit/s

95th percentile per-packet one-way delay: 50.093 ms

Loss rate: 0.51%

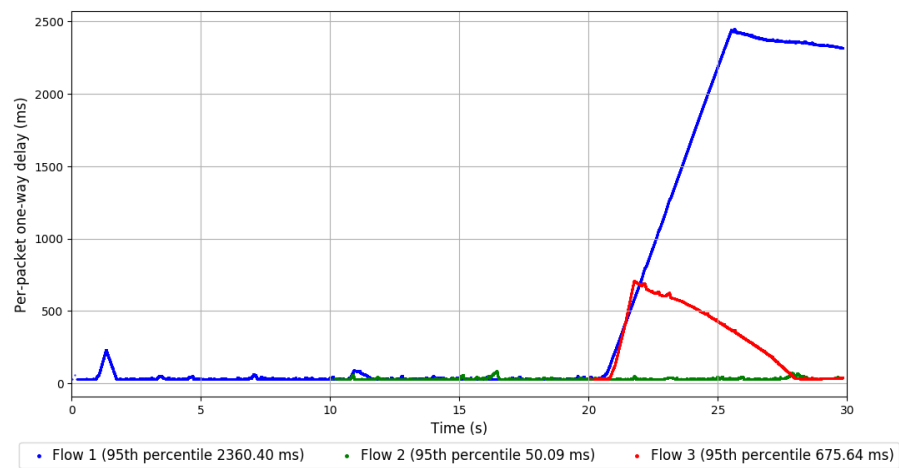
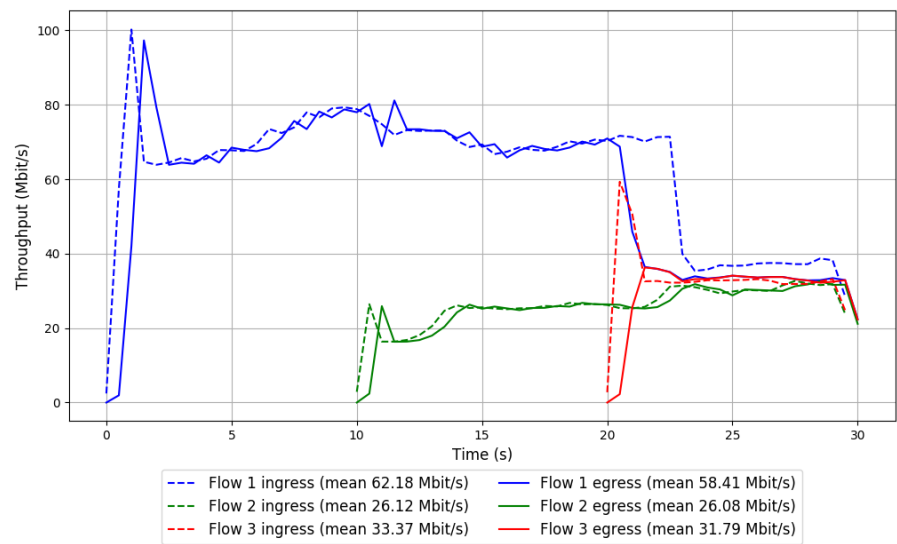
-- Flow 3:

Average throughput: 31.79 Mbit/s

95th percentile per-packet one-way delay: 675.645 ms

Loss rate: 5.46%

Run 2: Report of PCC-Allegro — Data Link



Run 3: Statistics of PCC-Allegro

Start at: 2019-09-19 03:44:57

End at: 2019-09-19 03:45:27

Local clock offset: -2.479 ms

Remote clock offset: 8.887 ms

Below is generated by plot.py at 2019-09-19 07:04:26

Datalink statistics

-- Total of 3 flows:

Average throughput: 62.50 Mbit/s

95th percentile per-packet one-way delay: 1601.237 ms

Loss rate: 6.16%

-- Flow 1:

Average throughput: 16.54 Mbit/s

95th percentile per-packet one-way delay: 35.370 ms

Loss rate: 0.42%

-- Flow 2:

Average throughput: 60.95 Mbit/s

95th percentile per-packet one-way delay: 1616.594 ms

Loss rate: 8.97%

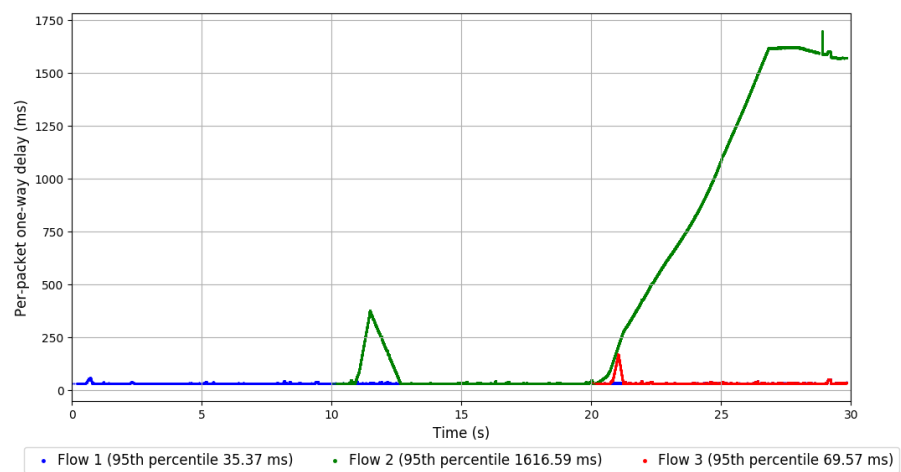
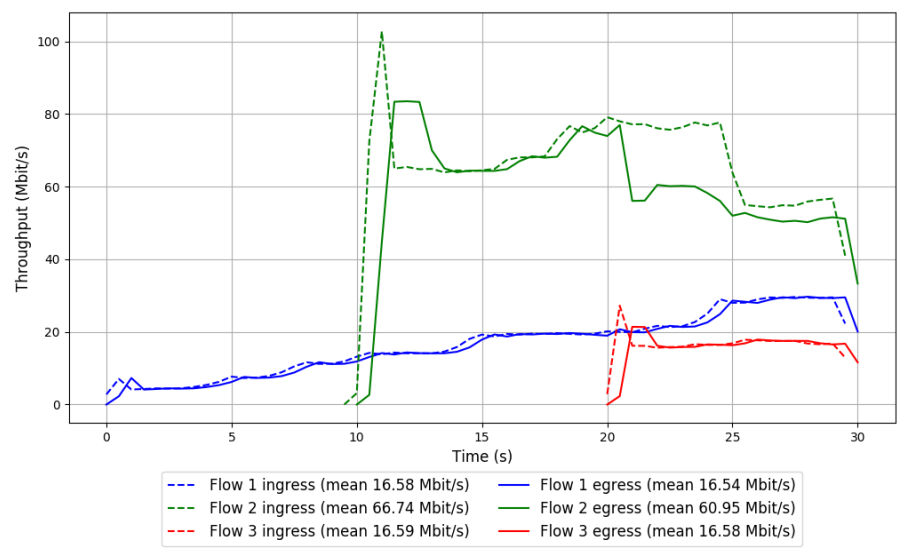
-- Flow 3:

Average throughput: 16.58 Mbit/s

95th percentile per-packet one-way delay: 69.566 ms

Loss rate: 0.79%

Run 3: Report of PCC-Allegro — Data Link



Run 4: Statistics of PCC-Allegro

Start at: 2019-09-19 04:52:55

End at: 2019-09-19 04:53:25

Local clock offset: 0.696 ms

Remote clock offset: 7.605 ms

Below is generated by plot.py at 2019-09-19 07:04:37

Datalink statistics

-- Total of 3 flows:

Average throughput: 89.67 Mbit/s

95th percentile per-packet one-way delay: 1631.791 ms

Loss rate: 10.75%

-- Flow 1:

Average throughput: 60.95 Mbit/s

95th percentile per-packet one-way delay: 1603.644 ms

Loss rate: 10.02%

-- Flow 2:

Average throughput: 34.60 Mbit/s

95th percentile per-packet one-way delay: 2507.020 ms

Loss rate: 14.67%

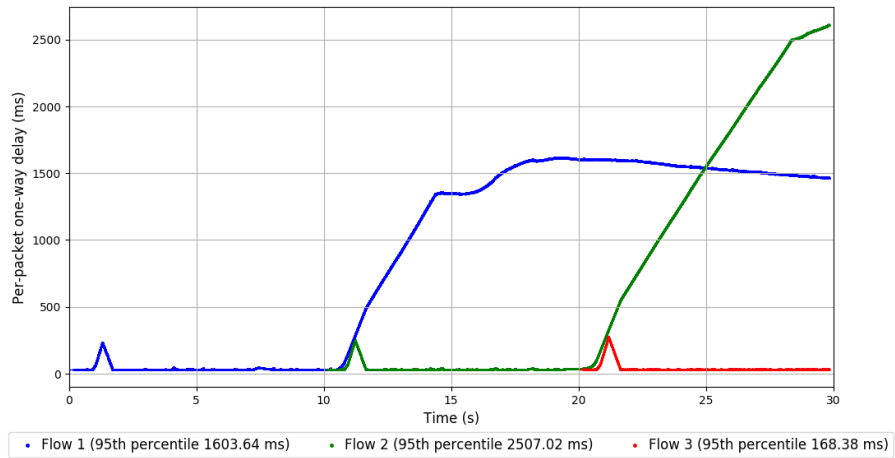
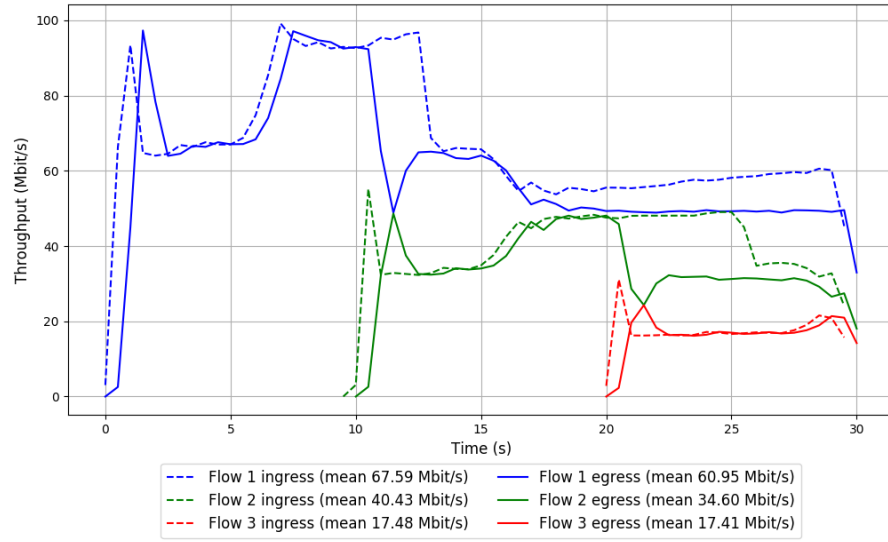
-- Flow 3:

Average throughput: 17.41 Mbit/s

95th percentile per-packet one-way delay: 168.382 ms

Loss rate: 1.06%

Run 4: Report of PCC-Allegro — Data Link



Run 5: Statistics of PCC-Allegro

Start at: 2019-09-19 06:00:13

End at: 2019-09-19 06:00:43

Local clock offset: -3.551 ms

Remote clock offset: 7.745 ms

Below is generated by plot.py at 2019-09-19 07:04:44

Datalink statistics

-- Total of 3 flows:

Average throughput: 90.51 Mbit/s

95th percentile per-packet one-way delay: 1642.039 ms

Loss rate: 10.59%

-- Flow 1:

Average throughput: 60.97 Mbit/s

95th percentile per-packet one-way delay: 1629.245 ms

Loss rate: 9.96%

-- Flow 2:

Average throughput: 34.13 Mbit/s

95th percentile per-packet one-way delay: 2963.457 ms

Loss rate: 14.68%

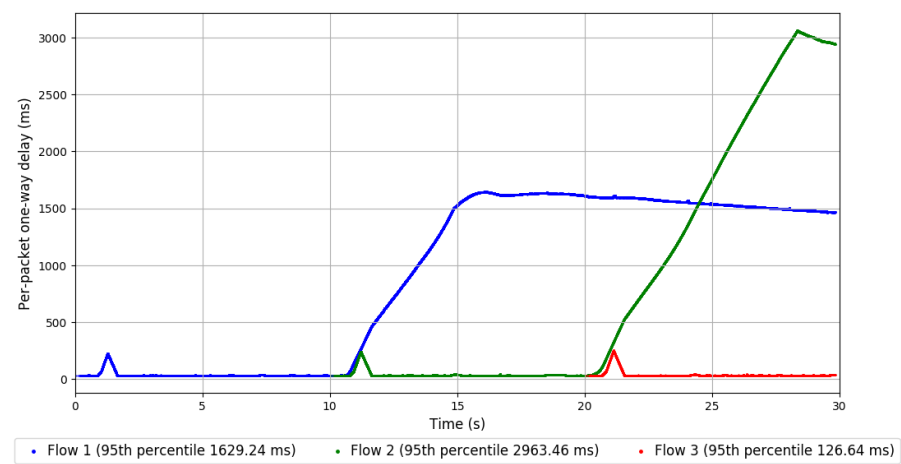
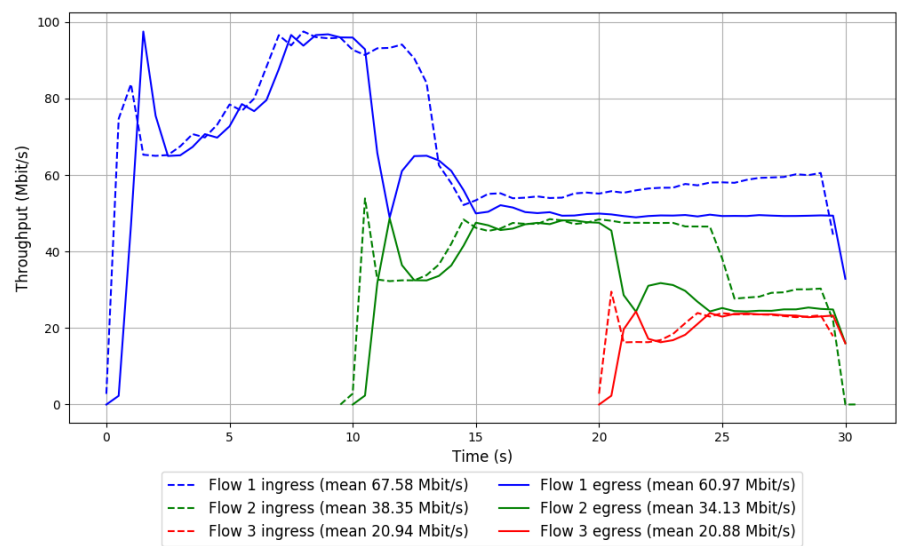
-- Flow 3:

Average throughput: 20.88 Mbit/s

95th percentile per-packet one-way delay: 126.641 ms

Loss rate: 0.94%

Run 5: Report of PCC-Allegro — Data Link

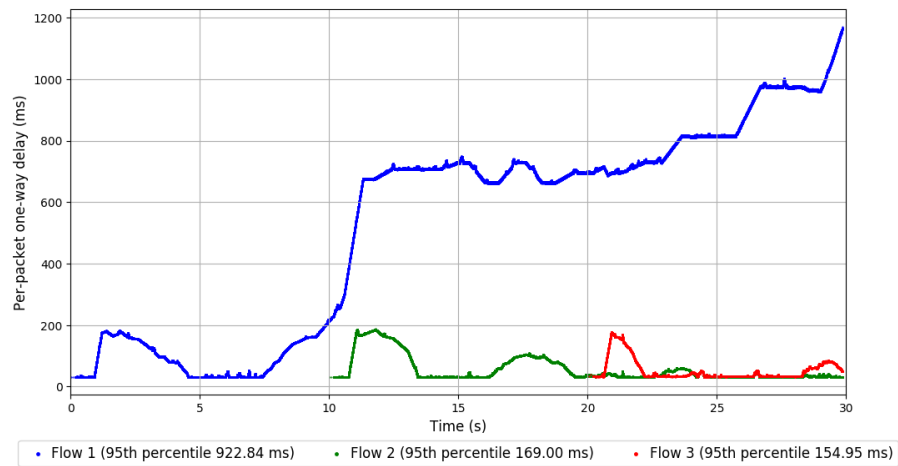
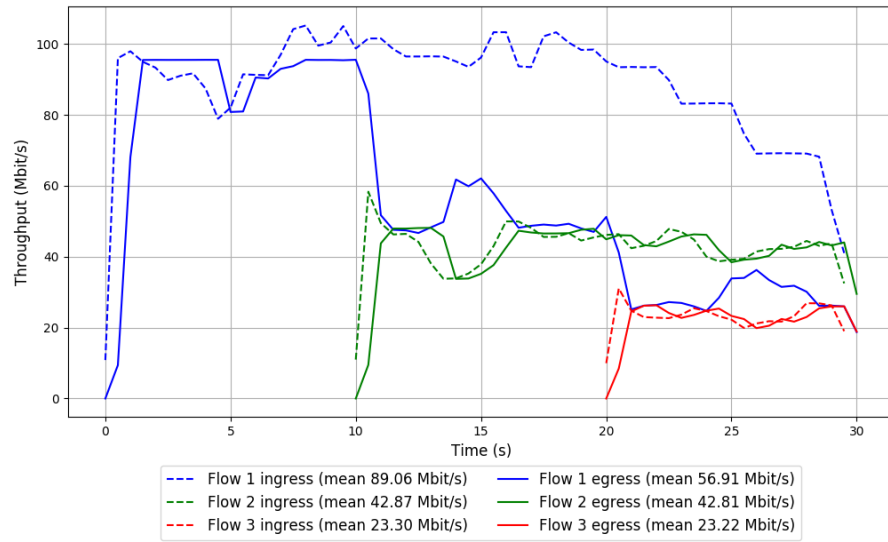


```
Run 1: Statistics of PCC-Expr

Start at: 2019-09-19 00:24:12
End at: 2019-09-19 00:24:42
Local clock offset: 0.531 ms
Remote clock offset: 8.677 ms

# Below is generated by plot.py at 2019-09-19 07:05:56
# Datalink statistics
-- Total of 3 flows:
Average throughput: 92.99 Mbit/s
95th percentile per-packet one-way delay: 814.819 ms
Loss rate: 25.92%
-- Flow 1:
Average throughput: 56.91 Mbit/s
95th percentile per-packet one-way delay: 922.843 ms
Loss rate: 36.23%
-- Flow 2:
Average throughput: 42.81 Mbit/s
95th percentile per-packet one-way delay: 169.002 ms
Loss rate: 0.47%
-- Flow 3:
Average throughput: 23.22 Mbit/s
95th percentile per-packet one-way delay: 154.949 ms
Loss rate: 1.01%
```

Run 1: Report of PCC-Expr — Data Link

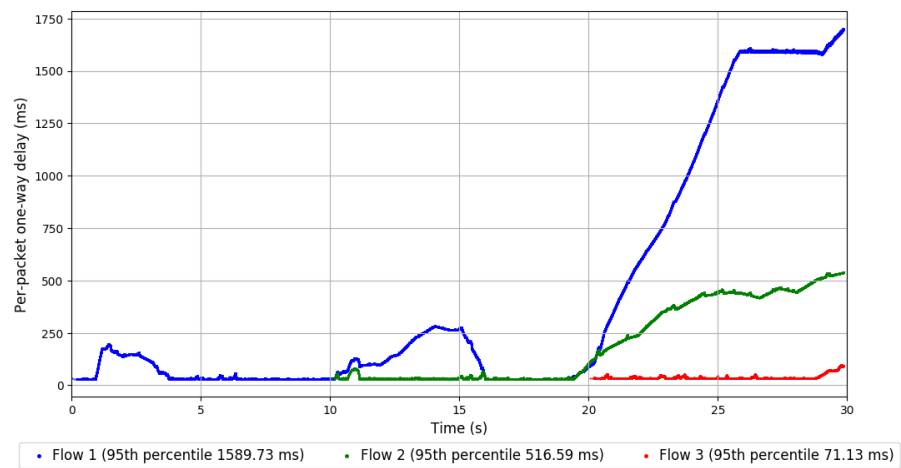
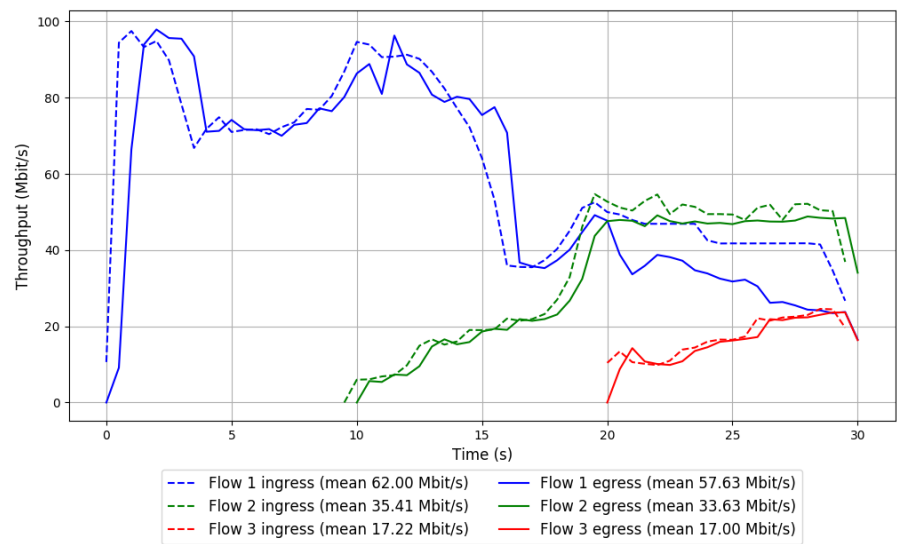


```
Run 2: Statistics of PCC-Expr

Start at: 2019-09-19 02:29:00
End at: 2019-09-19 02:29:30
Local clock offset: 0.725 ms
Remote clock offset: 8.617 ms

# Below is generated by plot.py at 2019-09-19 07:05:56
# Datalink statistics
-- Total of 3 flows:
Average throughput: 85.59 Mbit/s
95th percentile per-packet one-way delay: 1314.071 ms
Loss rate: 6.42%
-- Flow 1:
Average throughput: 57.63 Mbit/s
95th percentile per-packet one-way delay: 1589.728 ms
Loss rate: 7.25%
-- Flow 2:
Average throughput: 33.63 Mbit/s
95th percentile per-packet one-way delay: 516.591 ms
Loss rate: 5.32%
-- Flow 3:
Average throughput: 17.00 Mbit/s
95th percentile per-packet one-way delay: 71.130 ms
Loss rate: 1.92%
```

Run 2: Report of PCC-Expr — Data Link

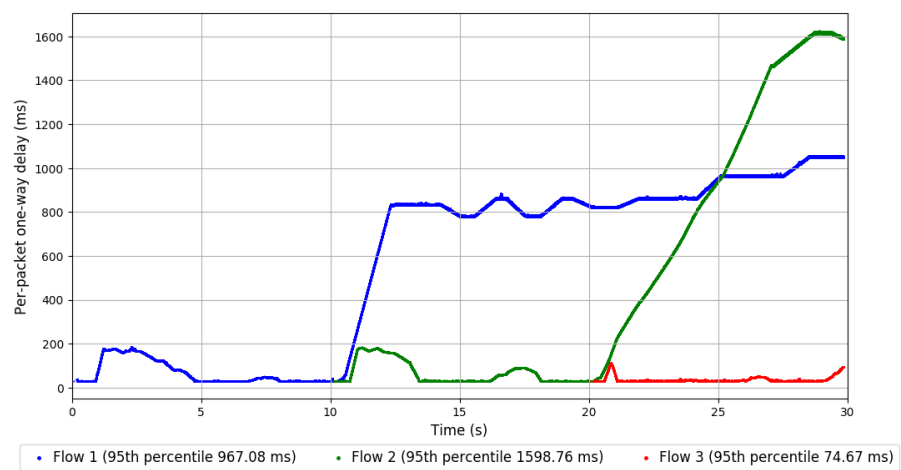
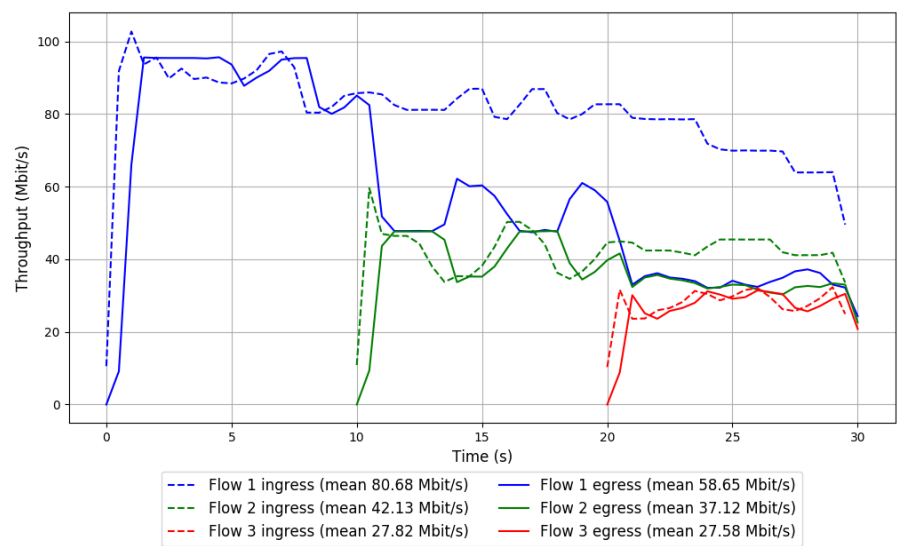


```
Run 3: Statistics of PCC-Expr

Start at: 2019-09-19 04:17:56
End at: 2019-09-19 04:18:26
Local clock offset: -2.933 ms
Remote clock offset: 9.13 ms

# Below is generated by plot.py at 2019-09-19 07:05:56
# Datalink statistics
-- Total of 3 flows:
Average throughput: 92.39 Mbit/s
95th percentile per-packet one-way delay: 1054.997 ms
Loss rate: 21.80%
-- Flow 1:
Average throughput: 58.65 Mbit/s
95th percentile per-packet one-way delay: 967.082 ms
Loss rate: 27.46%
-- Flow 2:
Average throughput: 37.12 Mbit/s
95th percentile per-packet one-way delay: 1598.757 ms
Loss rate: 12.18%
-- Flow 3:
Average throughput: 27.58 Mbit/s
95th percentile per-packet one-way delay: 74.671 ms
Loss rate: 1.51%
```

Run 3: Report of PCC-Expr — Data Link



Run 4: Statistics of PCC-Expr

Start at: 2019-09-19 05:29:05

End at: 2019-09-19 05:29:35

Local clock offset: 0.691 ms

Remote clock offset: 7.682 ms

Below is generated by plot.py at 2019-09-19 07:05:56

Datalink statistics

-- Total of 3 flows:

Average throughput: 83.62 Mbit/s

95th percentile per-packet one-way delay: 1361.859 ms

Loss rate: 26.70%

-- Flow 1:

Average throughput: 49.71 Mbit/s

95th percentile per-packet one-way delay: 898.051 ms

Loss rate: 34.62%

-- Flow 2:

Average throughput: 36.92 Mbit/s

95th percentile per-packet one-way delay: 1600.882 ms

Loss rate: 13.74%

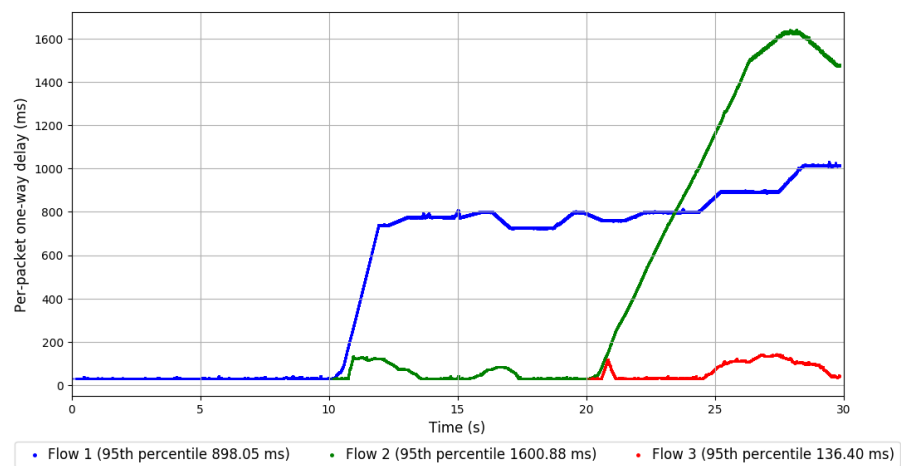
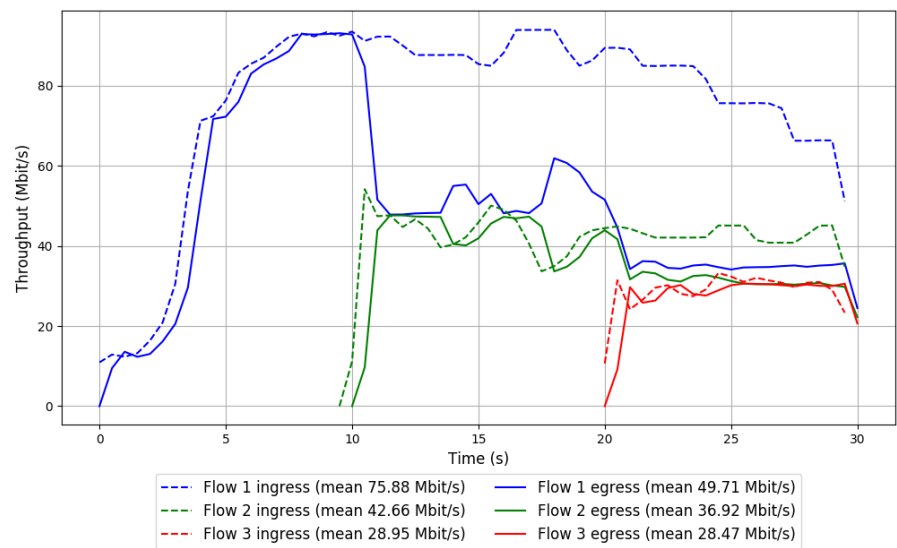
-- Flow 3:

Average throughput: 28.47 Mbit/s

95th percentile per-packet one-way delay: 136.400 ms

Loss rate: 2.30%

Run 4: Report of PCC-Expr — Data Link



Run 5: Statistics of PCC-Expr

Start at: 2019-09-19 06:25:49

End at: 2019-09-19 06:26:19

Local clock offset: 0.493 ms

Remote clock offset: 8.363 ms

Below is generated by plot.py at 2019-09-19 07:06:14

Datalink statistics

-- Total of 3 flows:

Average throughput: 84.70 Mbit/s

95th percentile per-packet one-way delay: 1219.371 ms

Loss rate: 23.63%

-- Flow 1:

Average throughput: 50.71 Mbit/s

95th percentile per-packet one-way delay: 965.599 ms

Loss rate: 31.65%

-- Flow 2:

Average throughput: 37.90 Mbit/s

95th percentile per-packet one-way delay: 1635.793 ms

Loss rate: 9.55%

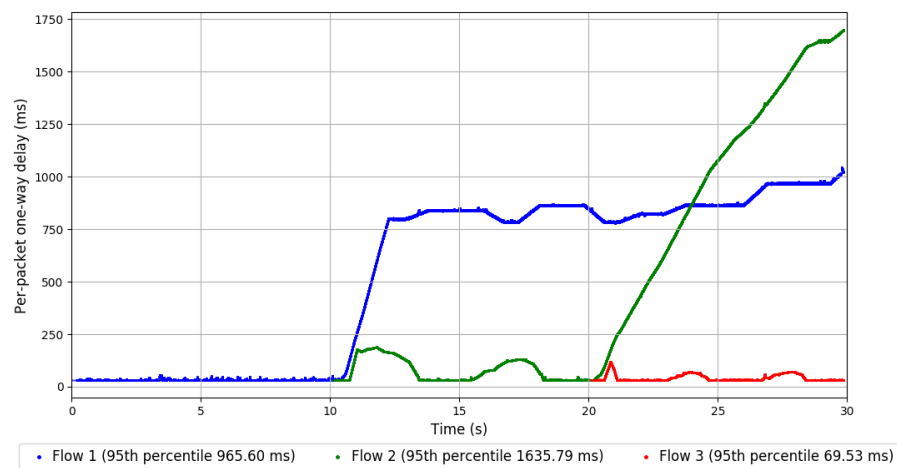
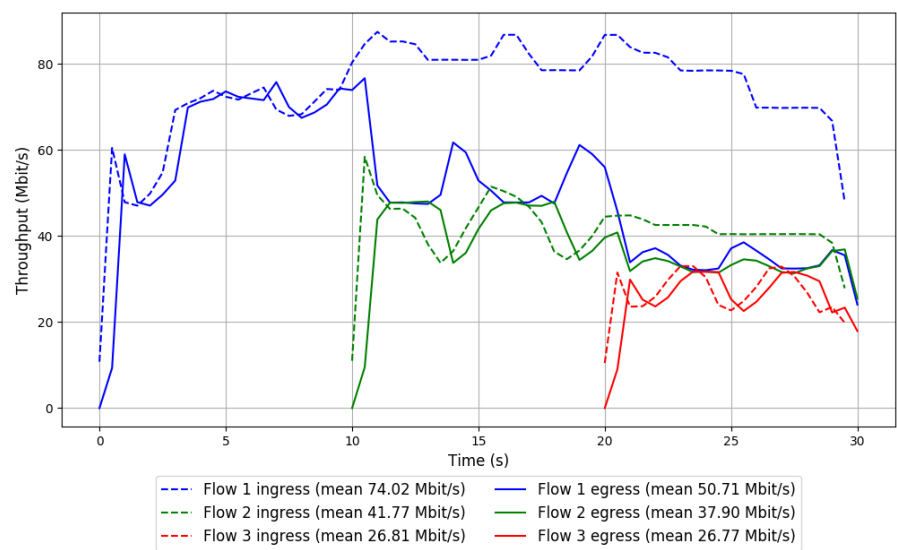
-- Flow 3:

Average throughput: 26.77 Mbit/s

95th percentile per-packet one-way delay: 69.531 ms

Loss rate: 0.80%

Run 5: Report of PCC-Expr — Data Link



Run 1: Statistics of QUIC Cubic

Start at: 2019-09-19 00:45:31

End at: 2019-09-19 00:46:01

Local clock offset: 2.984 ms

Remote clock offset: 8.754 ms

Below is generated by plot.py at 2019-09-19 07:06:14

Datalink statistics

-- Total of 3 flows:

Average throughput: 83.67 Mbit/s

95th percentile per-packet one-way delay: 75.206 ms

Loss rate: 0.38%

-- Flow 1:

Average throughput: 46.65 Mbit/s

95th percentile per-packet one-way delay: 69.372 ms

Loss rate: 0.24%

-- Flow 2:

Average throughput: 43.92 Mbit/s

95th percentile per-packet one-way delay: 92.348 ms

Loss rate: 0.41%

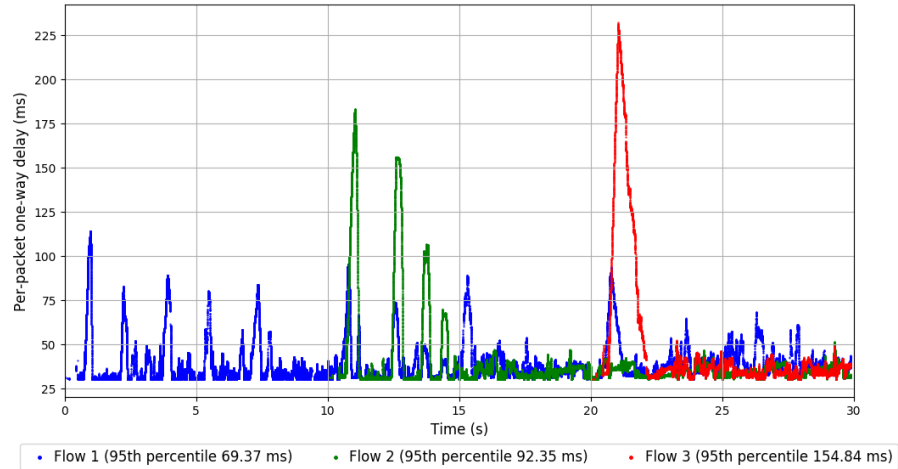
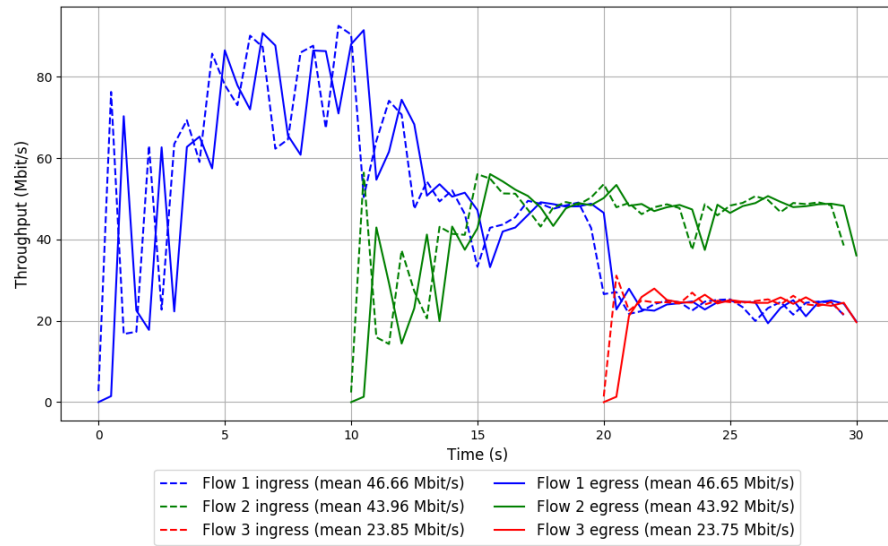
-- Flow 3:

Average throughput: 23.75 Mbit/s

95th percentile per-packet one-way delay: 154.843 ms

Loss rate: 1.07%

Run 1: Report of QUIC Cubic — Data Link



Run 2: Statistics of QUIC Cubic

Start at: 2019-09-19 02:51:29

End at: 2019-09-19 02:51:59

Local clock offset: -2.562 ms

Remote clock offset: 8.982 ms

Below is generated by plot.py at 2019-09-19 07:06:14

Datalink statistics

-- Total of 3 flows:

Average throughput: 83.62 Mbit/s

95th percentile per-packet one-way delay: 77.489 ms

Loss rate: 0.29%

-- Flow 1:

Average throughput: 51.58 Mbit/s

95th percentile per-packet one-way delay: 52.418 ms

Loss rate: 0.18%

-- Flow 2:

Average throughput: 33.54 Mbit/s

95th percentile per-packet one-way delay: 121.820 ms

Loss rate: 0.41%

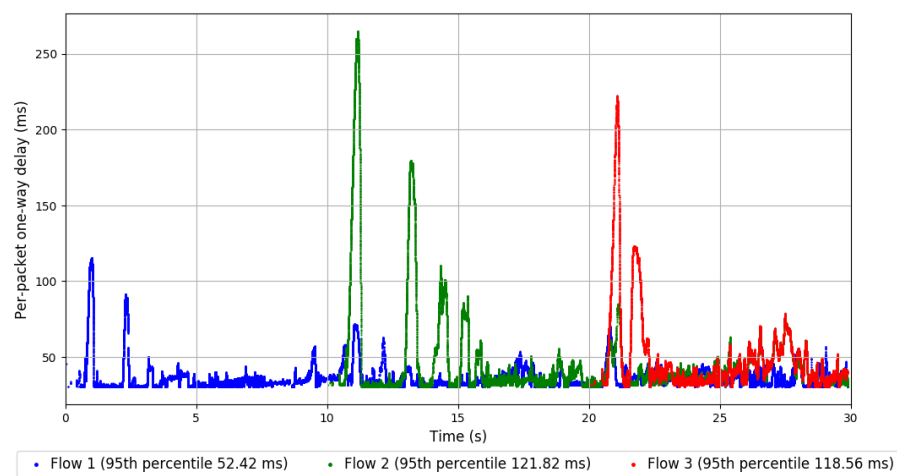
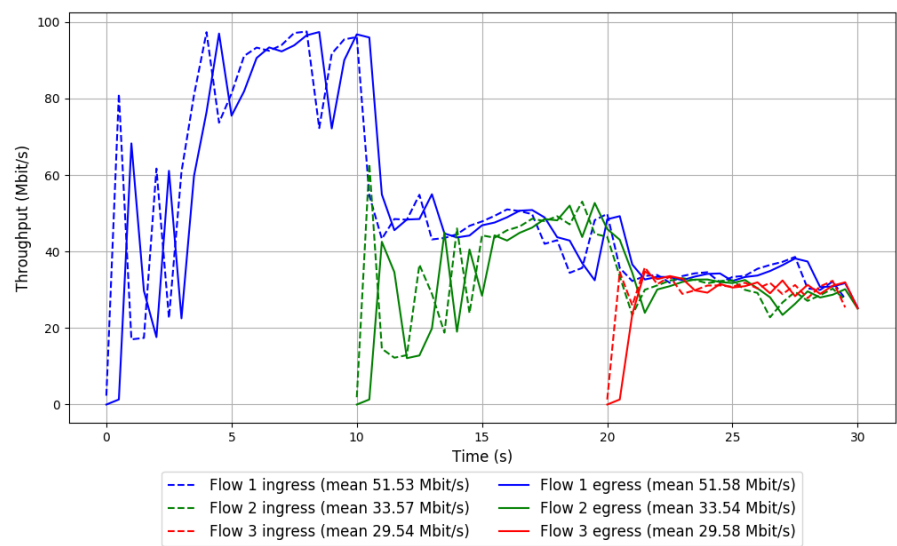
-- Flow 3:

Average throughput: 29.58 Mbit/s

95th percentile per-packet one-way delay: 118.557 ms

Loss rate: 0.63%

Run 2: Report of QUIC Cubic — Data Link



Run 3: Statistics of QUIC Cubic

Start at: 2019-09-19 04:28:55

End at: 2019-09-19 04:29:25

Local clock offset: -3.056 ms

Remote clock offset: 9.007 ms

Below is generated by plot.py at 2019-09-19 07:06:14

Datalink statistics

-- Total of 3 flows:

Average throughput: 75.65 Mbit/s

95th percentile per-packet one-way delay: 101.743 ms

Loss rate: 0.40%

-- Flow 1:

Average throughput: 43.23 Mbit/s

95th percentile per-packet one-way delay: 92.372 ms

Loss rate: 0.19%

-- Flow 2:

Average throughput: 33.25 Mbit/s

95th percentile per-packet one-way delay: 131.869 ms

Loss rate: 0.54%

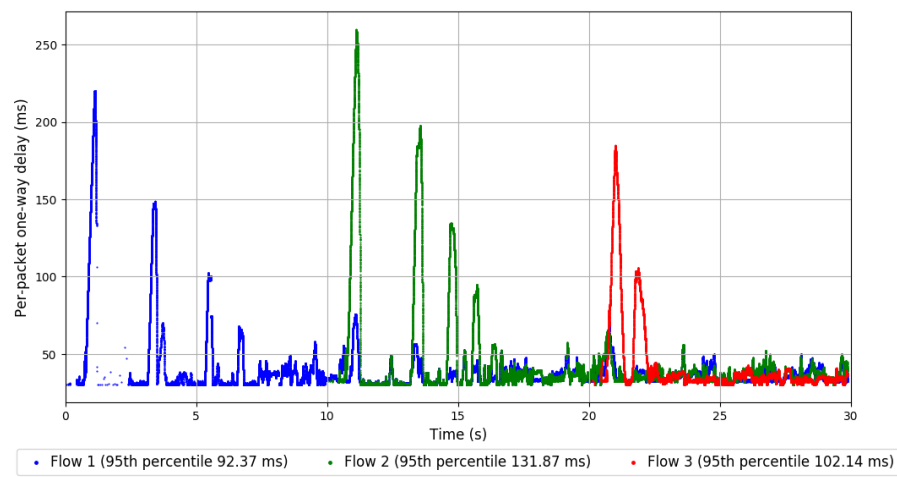
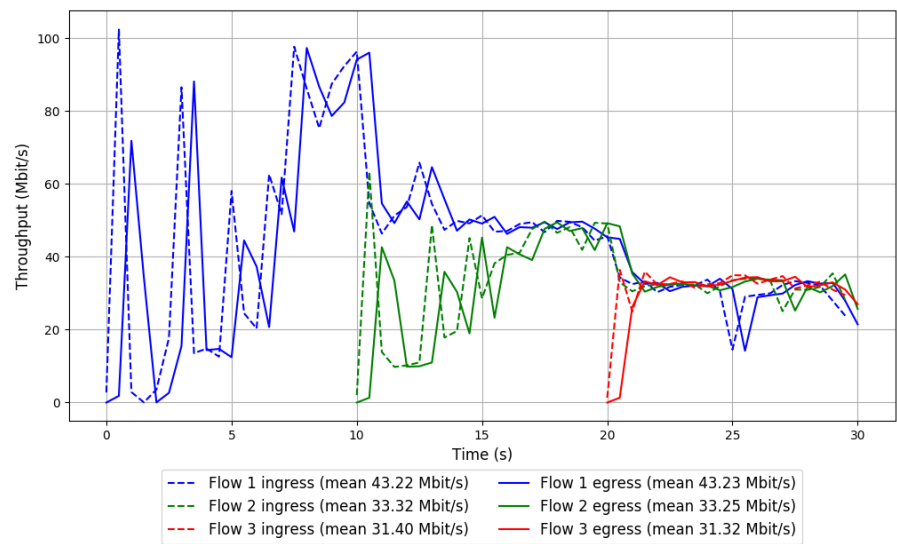
-- Flow 3:

Average throughput: 31.32 Mbit/s

95th percentile per-packet one-way delay: 102.145 ms

Loss rate: 0.92%

Run 3: Report of QUIC Cubic — Data Link



Run 4: Statistics of QUIC Cubic

Start at: 2019-09-19 05:39:28

End at: 2019-09-19 05:39:58

Local clock offset: -1.8 ms

Remote clock offset: 7.626 ms

Below is generated by plot.py at 2019-09-19 07:06:34

Datalink statistics

-- Total of 3 flows:

Average throughput: 86.50 Mbit/s

95th percentile per-packet one-way delay: 67.971 ms

Loss rate: 0.35%

-- Flow 1:

Average throughput: 49.66 Mbit/s

95th percentile per-packet one-way delay: 56.069 ms

Loss rate: 0.18%

-- Flow 2:

Average throughput: 43.91 Mbit/s

95th percentile per-packet one-way delay: 90.719 ms

Loss rate: 0.45%

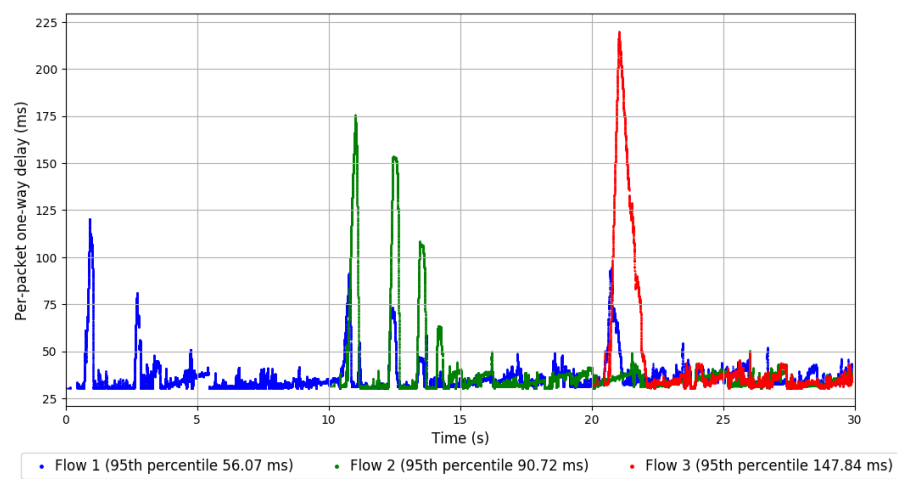
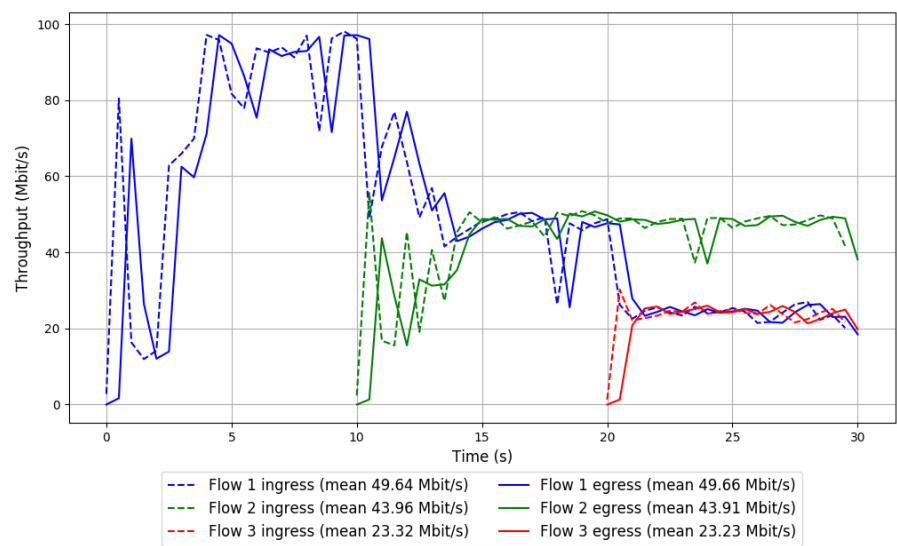
-- Flow 3:

Average throughput: 23.23 Mbit/s

95th percentile per-packet one-way delay: 147.837 ms

Loss rate: 1.07%

Run 4: Report of QUIC Cubic — Data Link



Run 5: Statistics of QUIC Cubic

Start at: 2019-09-19 06:35:58

End at: 2019-09-19 06:36:28

Local clock offset: 2.056 ms

Remote clock offset: 8.961 ms

Below is generated by plot.py at 2019-09-19 07:06:44

Datalink statistics

-- Total of 3 flows:

Average throughput: 91.08 Mbit/s

95th percentile per-packet one-way delay: 51.781 ms

Loss rate: 0.30%

-- Flow 1:

Average throughput: 56.99 Mbit/s

95th percentile per-packet one-way delay: 39.612 ms

Loss rate: 0.15%

-- Flow 2:

Average throughput: 36.20 Mbit/s

95th percentile per-packet one-way delay: 101.967 ms

Loss rate: 0.38%

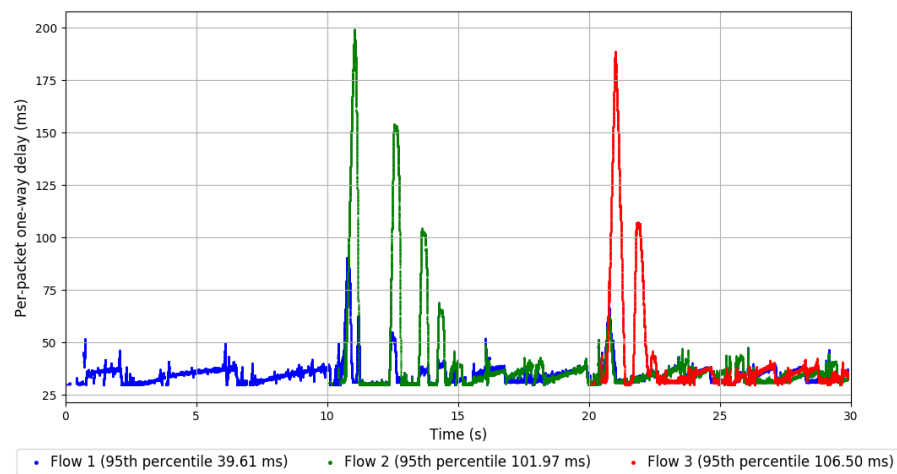
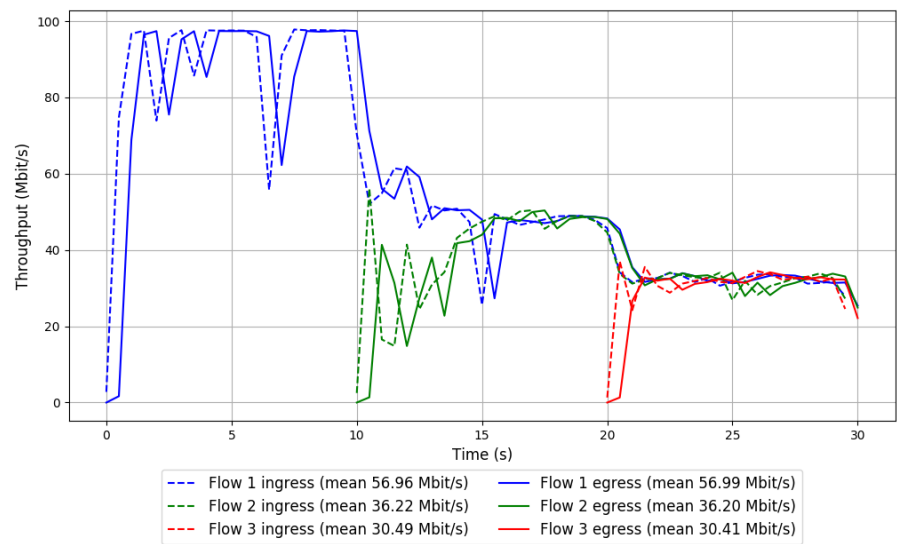
-- Flow 3:

Average throughput: 30.41 Mbit/s

95th percentile per-packet one-way delay: 106.498 ms

Loss rate: 0.92%

Run 5: Report of QUIC Cubic — Data Link

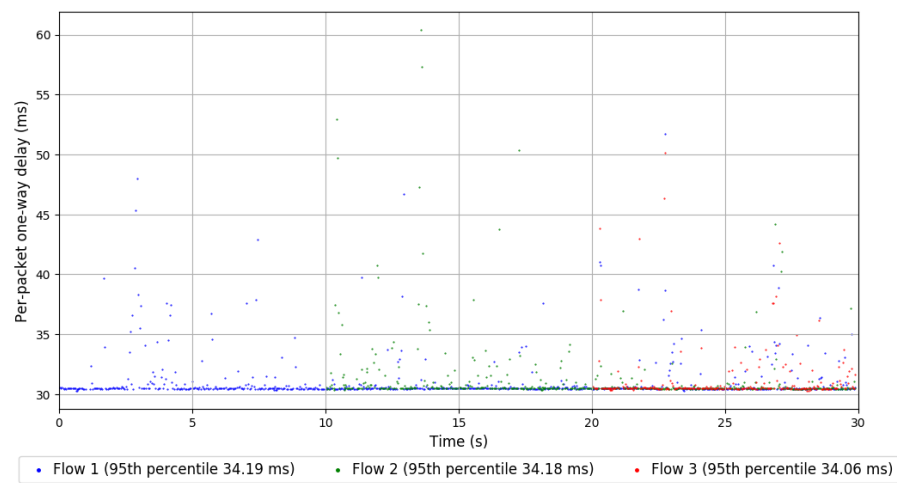
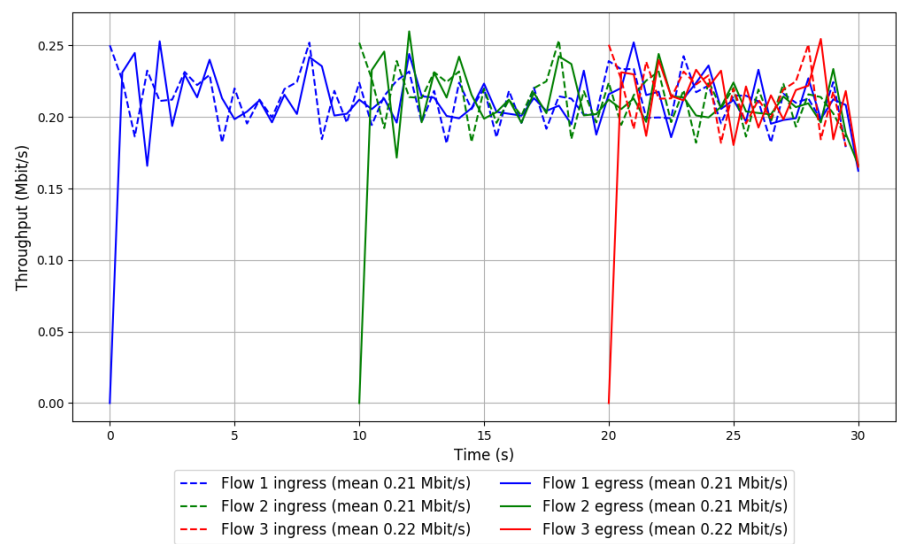


```
Run 1: Statistics of SCReAM

Start at: 2019-09-18 22:42:42
End at: 2019-09-18 22:43:12
Local clock offset: -3.19 ms
Remote clock offset: 7.62 ms

# Below is generated by plot.py at 2019-09-19 07:06:44
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 34.190 ms
Loss rate: 0.38%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 34.190 ms
Loss rate: 0.26%
-- Flow 2:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 34.177 ms
Loss rate: 0.39%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 34.060 ms
Loss rate: 0.70%
```

Run 1: Report of SReAM — Data Link



Run 2: Statistics of SReAM

Start at: 2019-09-19 01:18:27

End at: 2019-09-19 01:18:57

Local clock offset: 3.807 ms

Remote clock offset: 7.68 ms

Below is generated by plot.py at 2019-09-19 07:06:44

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.43 Mbit/s

95th percentile per-packet one-way delay: 35.797 ms

Loss rate: 0.38%

-- Flow 1:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 35.153 ms

Loss rate: 0.26%

-- Flow 2:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 36.879 ms

Loss rate: 0.39%

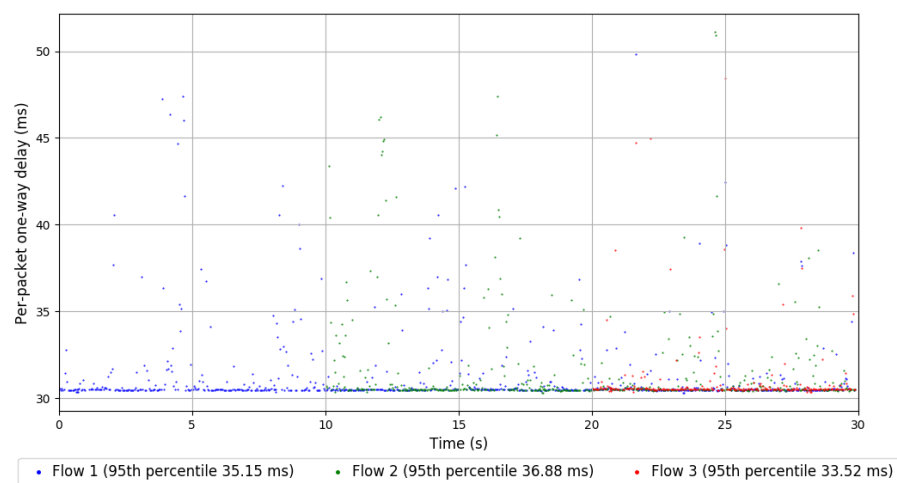
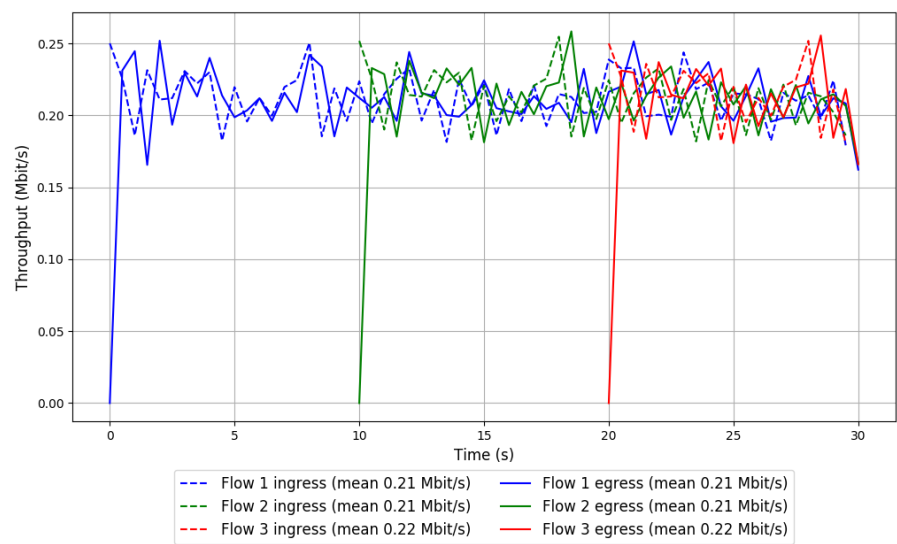
-- Flow 3:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 33.516 ms

Loss rate: 0.71%

Run 2: Report of SReAM — Data Link

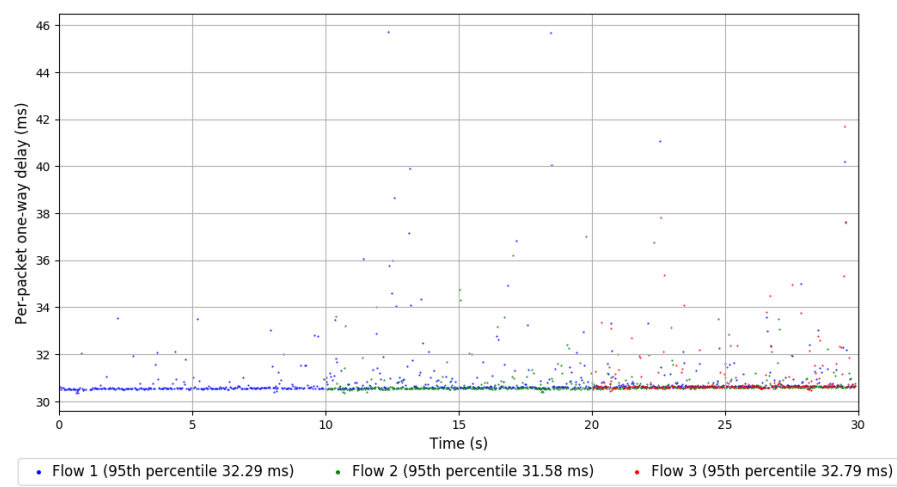
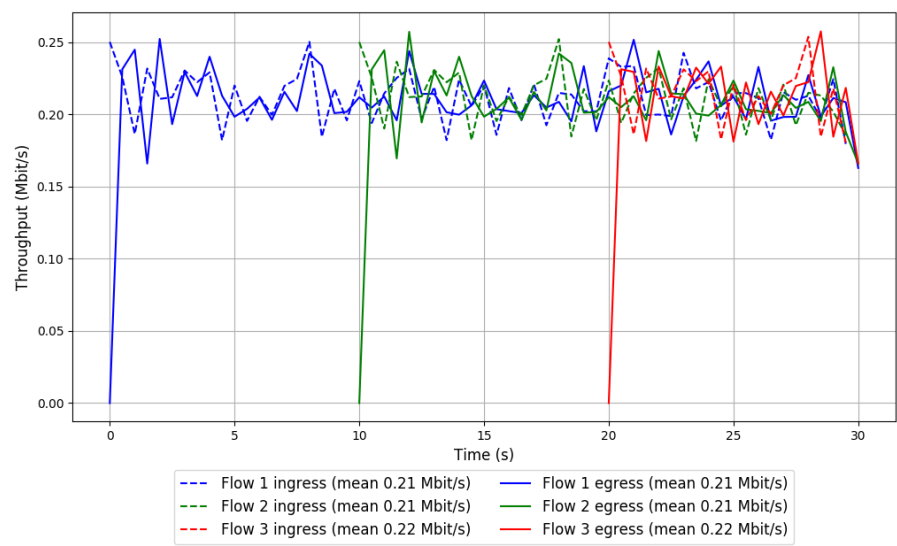


Run 3: Statistics of SReAM

Start at: 2019-09-19 03:40:51
End at: 2019-09-19 03:41:21
Local clock offset: -1.993 ms
Remote clock offset: 8.777 ms

Below is generated by plot.py at 2019-09-19 07:06:44
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 32.272 ms
Loss rate: 0.38%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 32.292 ms
Loss rate: 0.26%
-- Flow 2:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 31.582 ms
Loss rate: 0.40%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 32.786 ms
Loss rate: 0.71%

Run 3: Report of SReAM — Data Link



Run 4: Statistics of SReAM

Start at: 2019-09-19 04:49:22

End at: 2019-09-19 04:49:52

Local clock offset: 0.473 ms

Remote clock offset: 7.942 ms

Below is generated by plot.py at 2019-09-19 07:06:44

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.43 Mbit/s

95th percentile per-packet one-way delay: 33.366 ms

Loss rate: 0.38%

-- Flow 1:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 33.530 ms

Loss rate: 0.26%

-- Flow 2:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 33.332 ms

Loss rate: 0.40%

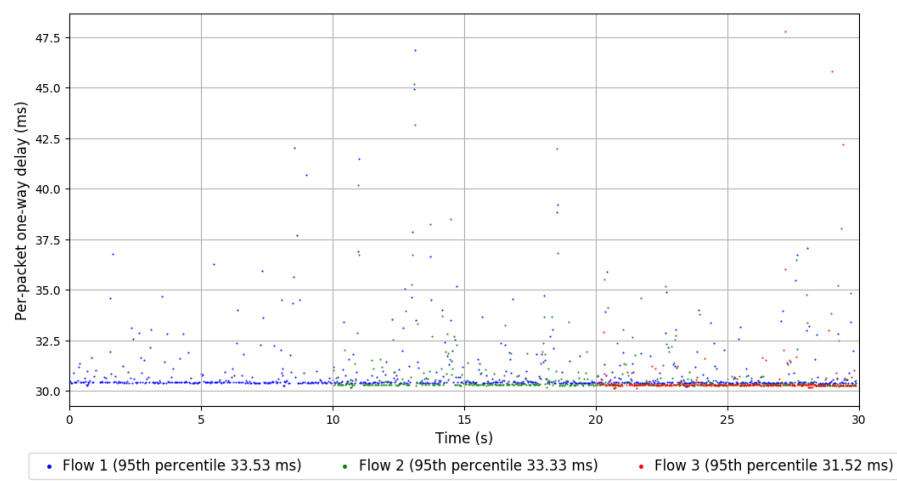
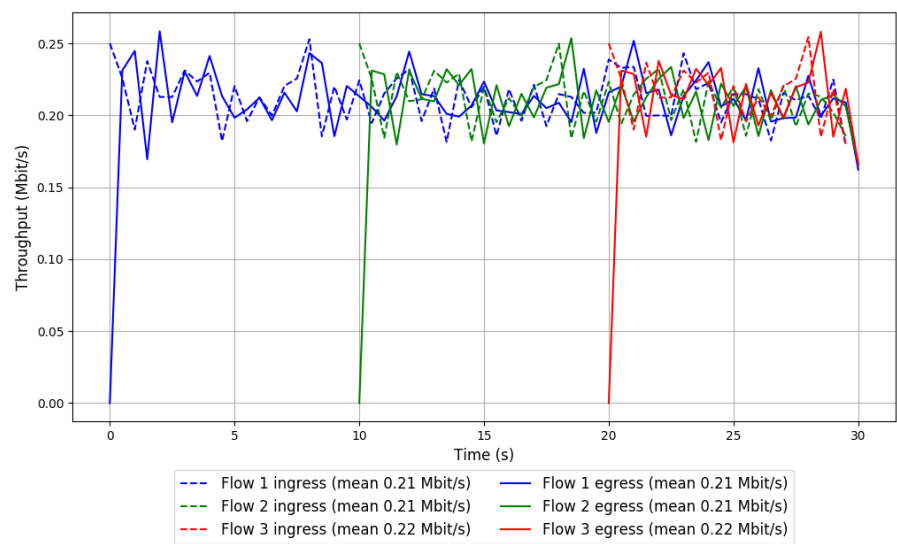
-- Flow 3:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 31.524 ms

Loss rate: 0.70%

Run 4: Report of SReAM — Data Link



Run 5: Statistics of SReAM

Start at: 2019-09-19 05:56:28

End at: 2019-09-19 05:56:58

Local clock offset: -3.347 ms

Remote clock offset: 7.763 ms

Below is generated by plot.py at 2019-09-19 07:06:44

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.43 Mbit/s

95th percentile per-packet one-way delay: 31.613 ms

Loss rate: 0.38%

-- Flow 1:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 30.999 ms

Loss rate: 0.26%

-- Flow 2:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 32.536 ms

Loss rate: 0.40%

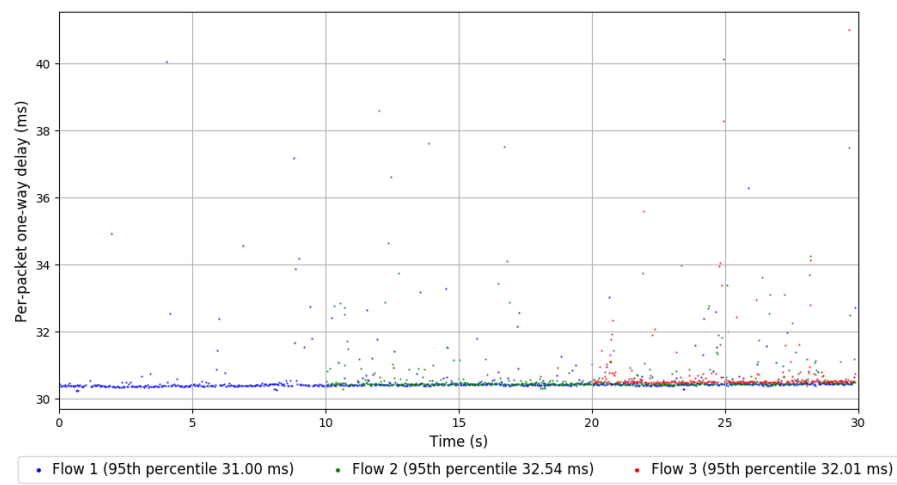
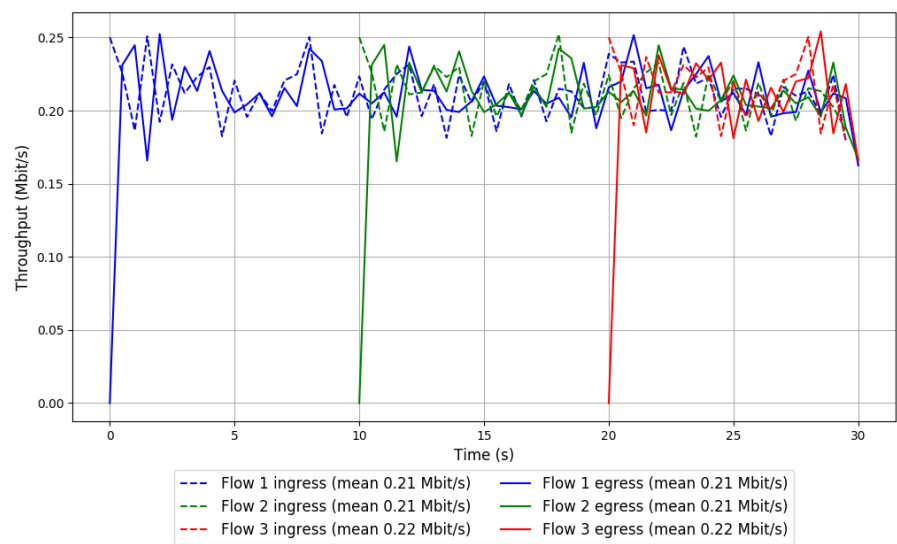
-- Flow 3:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 32.005 ms

Loss rate: 0.71%

Run 5: Report of SReAM — Data Link

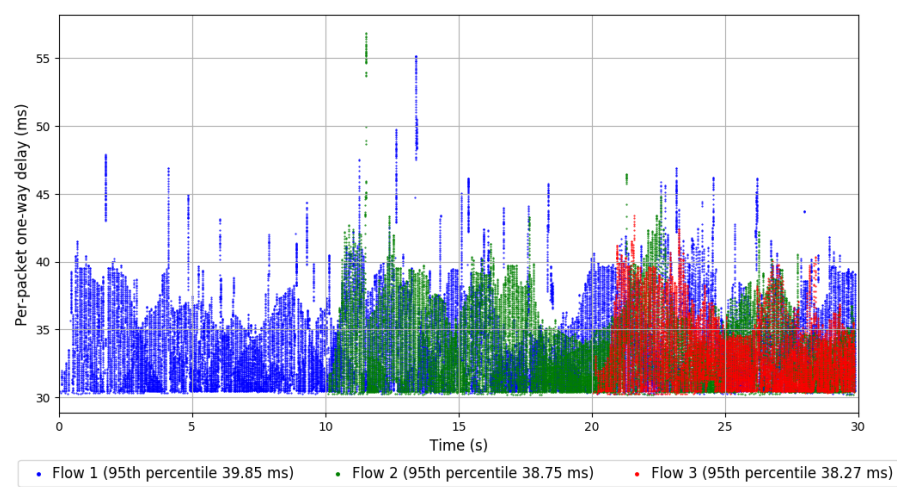
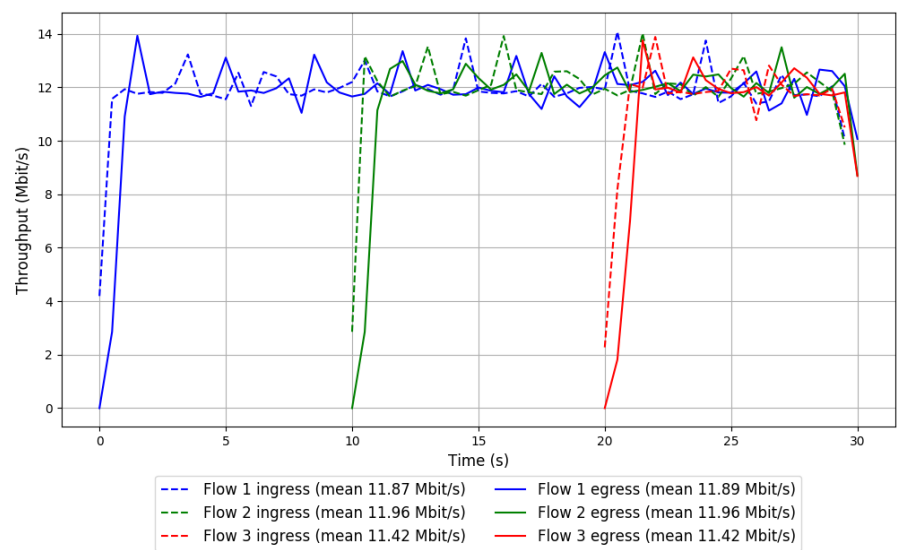


Run 1: Statistics of Sprout

Start at: 2019-09-18 23:20:33
End at: 2019-09-18 23:21:03
Local clock offset: -2.442 ms
Remote clock offset: 7.737 ms

Below is generated by plot.py at 2019-09-19 07:06:44
Datalink statistics
-- Total of 3 flows:
Average throughput: 23.58 Mbit/s
95th percentile per-packet one-way delay: 39.217 ms
Loss rate: 0.28%
-- Flow 1:
Average throughput: 11.89 Mbit/s
95th percentile per-packet one-way delay: 39.847 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 11.96 Mbit/s
95th percentile per-packet one-way delay: 38.747 ms
Loss rate: 0.41%
-- Flow 3:
Average throughput: 11.42 Mbit/s
95th percentile per-packet one-way delay: 38.267 ms
Loss rate: 0.86%

Run 1: Report of Sprout — Data Link

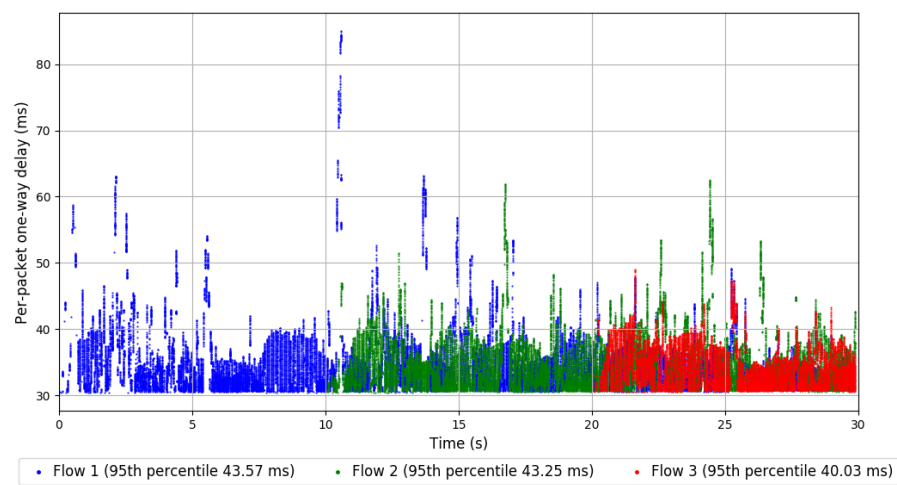
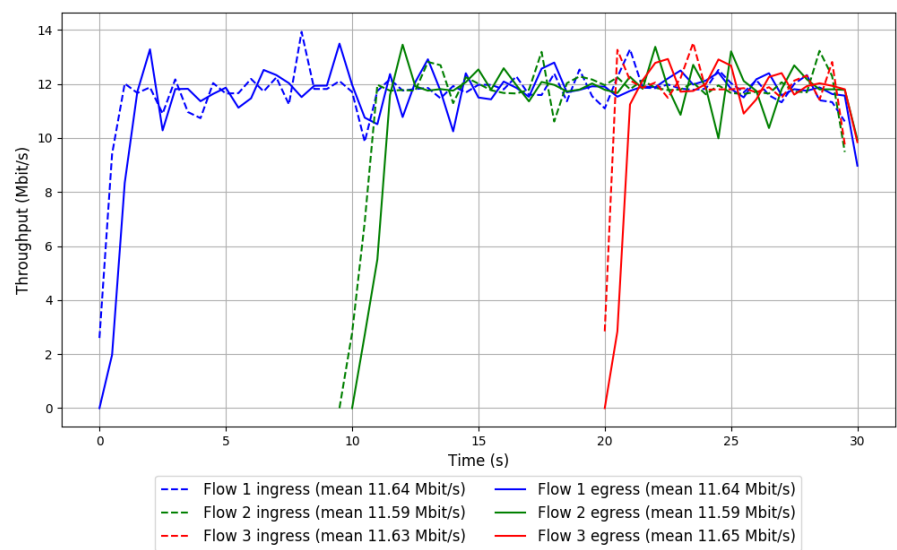


Run 2: Statistics of Sprout

Start at: 2019-09-19 01:46:34
End at: 2019-09-19 01:47:04
Local clock offset: -2.722 ms
Remote clock offset: 6.51 ms

Below is generated by plot.py at 2019-09-19 07:06:44
Datalink statistics
-- Total of 3 flows:
Average throughput: 23.18 Mbit/s
95th percentile per-packet one-way delay: 42.769 ms
Loss rate: 0.31%
-- Flow 1:
Average throughput: 11.64 Mbit/s
95th percentile per-packet one-way delay: 43.566 ms
Loss rate: 0.27%
-- Flow 2:
Average throughput: 11.59 Mbit/s
95th percentile per-packet one-way delay: 43.246 ms
Loss rate: 0.32%
-- Flow 3:
Average throughput: 11.65 Mbit/s
95th percentile per-packet one-way delay: 40.029 ms
Loss rate: 0.43%

Run 2: Report of Sprout — Data Link

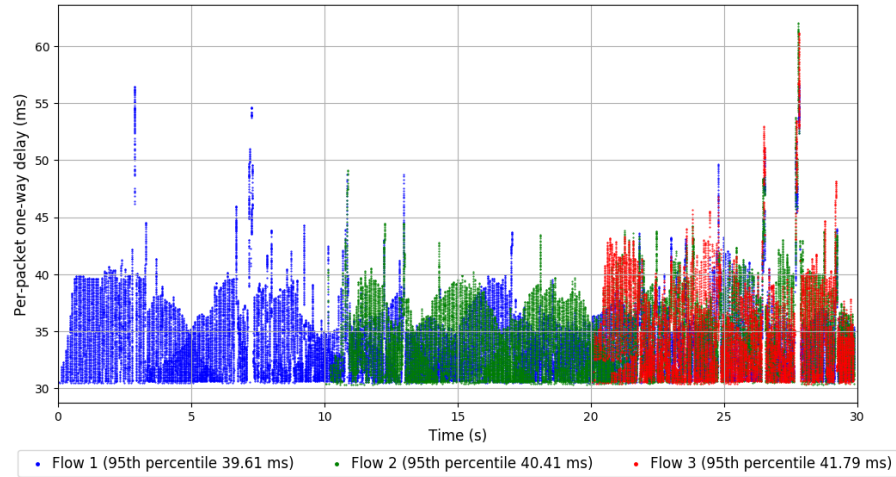
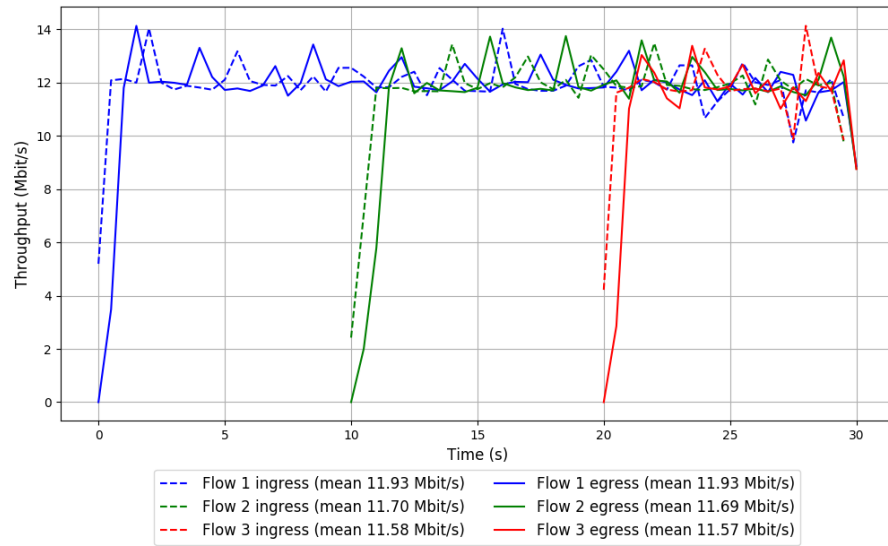


Run 3: Statistics of Sprout

Start at: 2019-09-19 03:54:46
End at: 2019-09-19 03:55:16
Local clock offset: -3.055 ms
Remote clock offset: 9.234 ms

Below is generated by plot.py at 2019-09-19 07:06:44
Datalink statistics
-- Total of 3 flows:
Average throughput: 23.49 Mbit/s
95th percentile per-packet one-way delay: 40.449 ms
Loss rate: 0.35%
-- Flow 1:
Average throughput: 11.93 Mbit/s
95th percentile per-packet one-way delay: 39.612 ms
Loss rate: 0.27%
-- Flow 2:
Average throughput: 11.69 Mbit/s
95th percentile per-packet one-way delay: 40.408 ms
Loss rate: 0.21%
-- Flow 3:
Average throughput: 11.57 Mbit/s
95th percentile per-packet one-way delay: 41.794 ms
Loss rate: 0.86%

Run 3: Report of Sprout — Data Link



Run 4: Statistics of Sprout

Start at: 2019-09-19 05:05:42

End at: 2019-09-19 05:06:12

Local clock offset: 0.743 ms

Remote clock offset: 7.255 ms

Below is generated by plot.py at 2019-09-19 07:06:44

Datalink statistics

-- Total of 3 flows:

Average throughput: 23.52 Mbit/s

95th percentile per-packet one-way delay: 39.619 ms

Loss rate: 0.36%

-- Flow 1:

Average throughput: 11.94 Mbit/s

95th percentile per-packet one-way delay: 39.532 ms

Loss rate: 0.27%

-- Flow 2:

Average throughput: 11.71 Mbit/s

95th percentile per-packet one-way delay: 39.577 ms

Loss rate: 0.41%

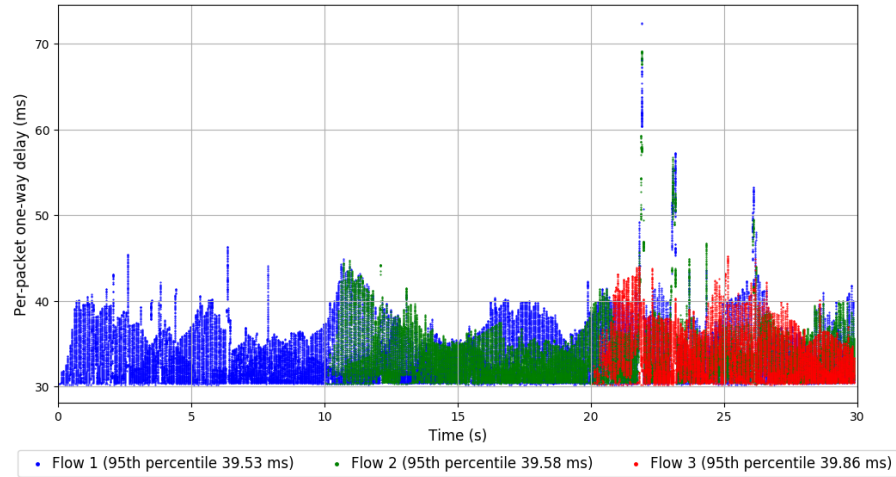
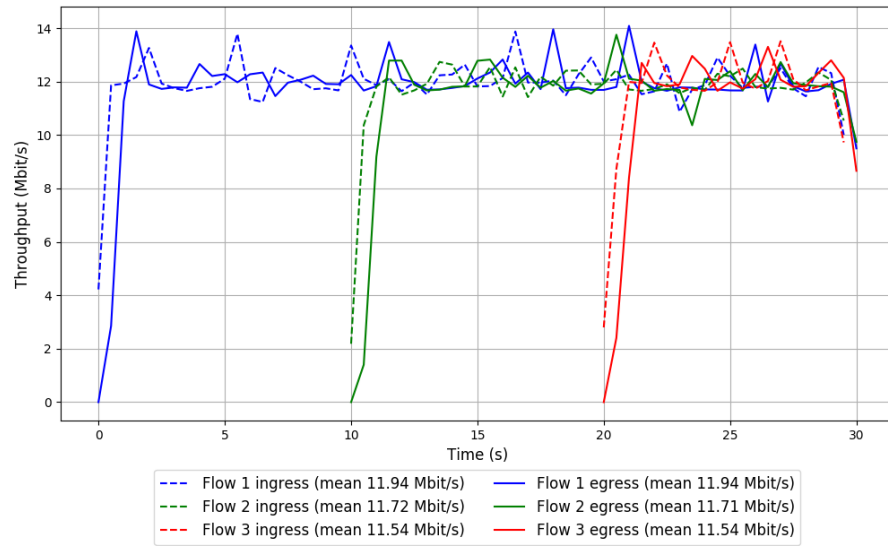
-- Flow 3:

Average throughput: 11.54 Mbit/s

95th percentile per-packet one-way delay: 39.860 ms

Loss rate: 0.53%

Run 4: Report of Sprout — Data Link

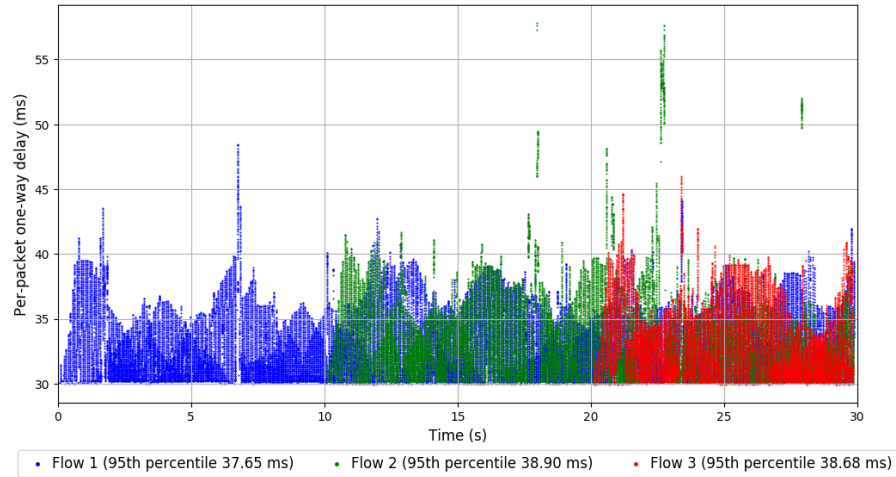
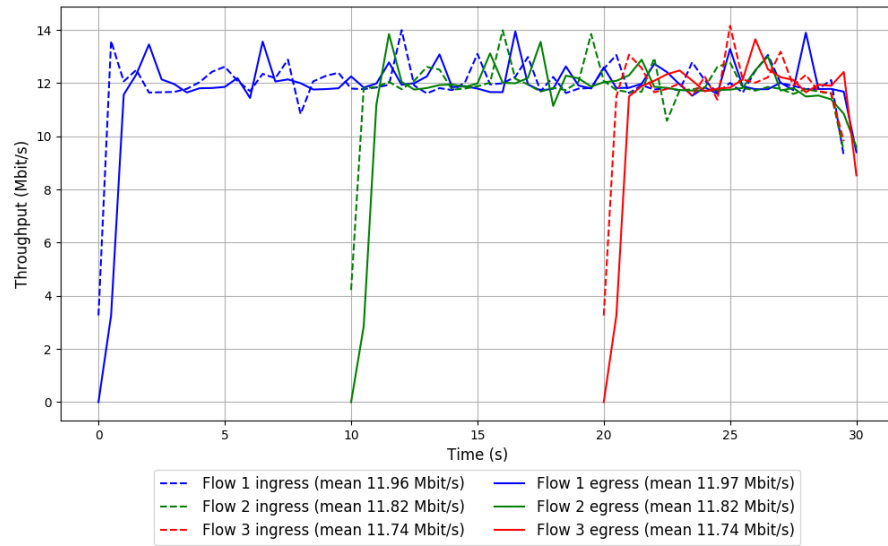


Run 5: Statistics of Sprout

Start at: 2019-09-19 06:09:51
End at: 2019-09-19 06:10:21
Local clock offset: -0.897 ms
Remote clock offset: 7.983 ms

Below is generated by plot.py at 2019-09-19 07:06:44
Datalink statistics
-- Total of 3 flows:
Average throughput: 23.69 Mbit/s
95th percentile per-packet one-way delay: 38.241 ms
Loss rate: 0.26%
-- Flow 1:
Average throughput: 11.97 Mbit/s
95th percentile per-packet one-way delay: 37.652 ms
Loss rate: 0.04%
-- Flow 2:
Average throughput: 11.82 Mbit/s
95th percentile per-packet one-way delay: 38.900 ms
Loss rate: 0.29%
-- Flow 3:
Average throughput: 11.74 Mbit/s
95th percentile per-packet one-way delay: 38.682 ms
Loss rate: 0.85%

Run 5: Report of Sprout — Data Link

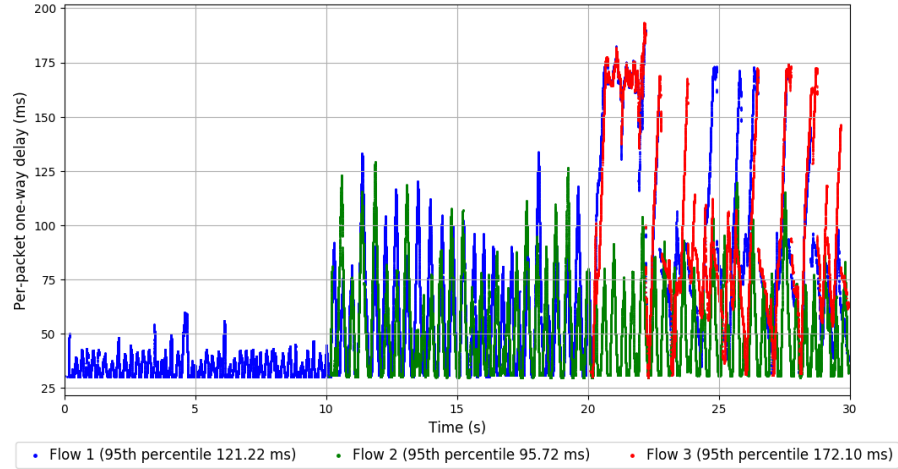
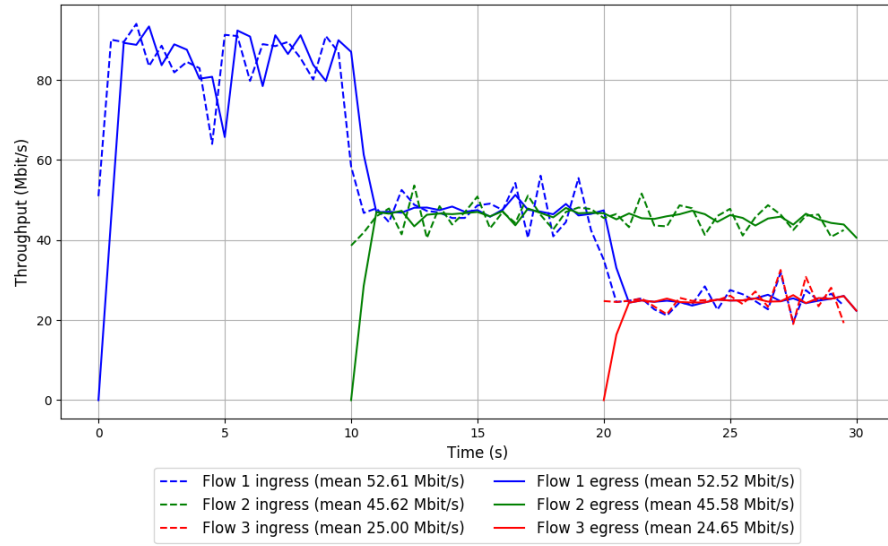


```
Run 1: Statistics of TaoVA-100x

Start at: 2019-09-18 23:32:13
End at: 2019-09-18 23:32:43
Local clock offset: -1.231 ms
Remote clock offset: 7.125 ms

# Below is generated by plot.py at 2019-09-19 07:07:56
# Datalink statistics
-- Total of 3 flows:
Average throughput: 91.02 Mbit/s
95th percentile per-packet one-way delay: 130.964 ms
Loss rate: 0.53%
-- Flow 1:
Average throughput: 52.52 Mbit/s
95th percentile per-packet one-way delay: 121.225 ms
Loss rate: 0.38%
-- Flow 2:
Average throughput: 45.58 Mbit/s
95th percentile per-packet one-way delay: 95.720 ms
Loss rate: 0.40%
-- Flow 3:
Average throughput: 24.65 Mbit/s
95th percentile per-packet one-way delay: 172.099 ms
Loss rate: 2.04%
```

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



Run 2: Statistics of TaoVA-100x

Start at: 2019-09-19 01:55:26

End at: 2019-09-19 01:55:56

Local clock offset: -3.975 ms

Remote clock offset: 7.802 ms

Below is generated by plot.py at 2019-09-19 07:07:58

Datalink statistics

-- Total of 3 flows:

Average throughput: 91.03 Mbit/s

95th percentile per-packet one-way delay: 129.970 ms

Loss rate: 0.63%

-- Flow 1:

Average throughput: 52.52 Mbit/s

95th percentile per-packet one-way delay: 108.710 ms

Loss rate: 0.45%

-- Flow 2:

Average throughput: 35.36 Mbit/s

95th percentile per-packet one-way delay: 167.173 ms

Loss rate: 0.83%

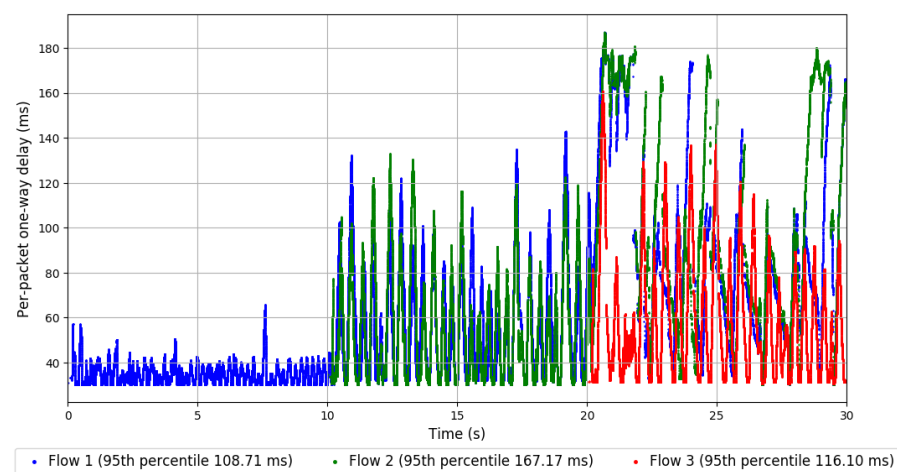
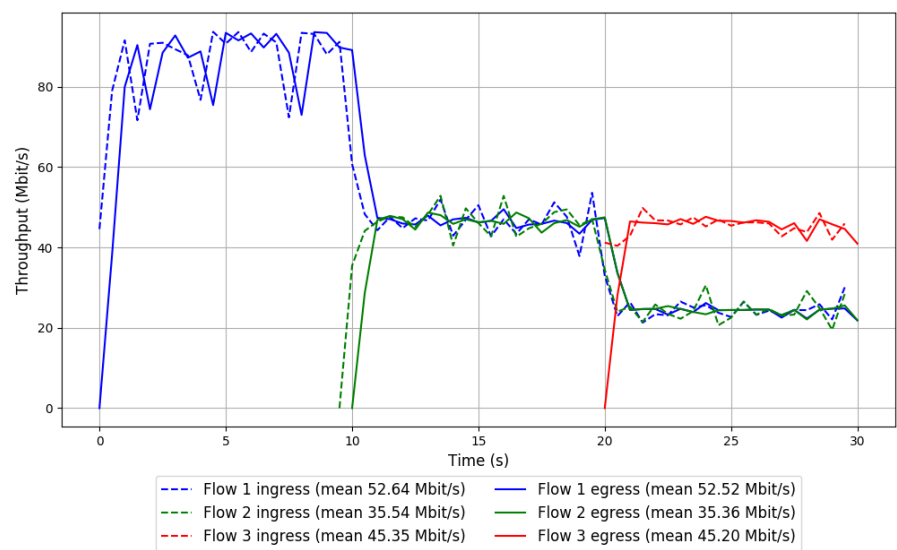
-- Flow 3:

Average throughput: 45.20 Mbit/s

95th percentile per-packet one-way delay: 116.097 ms

Loss rate: 0.97%

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



Run 3: Statistics of TaoVA-100x

Start at: 2019-09-19 03:58:59

End at: 2019-09-19 03:59:29

Local clock offset: -3.257 ms

Remote clock offset: 9.431 ms

Below is generated by plot.py at 2019-09-19 07:08:01

Datalink statistics

-- Total of 3 flows:

Average throughput: 91.43 Mbit/s

95th percentile per-packet one-way delay: 130.301 ms

Loss rate: 0.52%

-- Flow 1:

Average throughput: 52.42 Mbit/s

95th percentile per-packet one-way delay: 113.252 ms

Loss rate: 0.26%

-- Flow 2:

Average throughput: 36.13 Mbit/s

95th percentile per-packet one-way delay: 167.752 ms

Loss rate: 0.84%

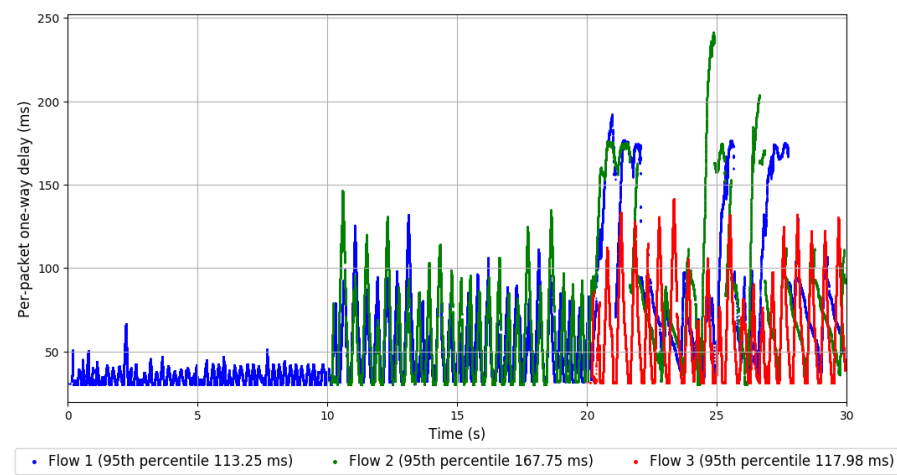
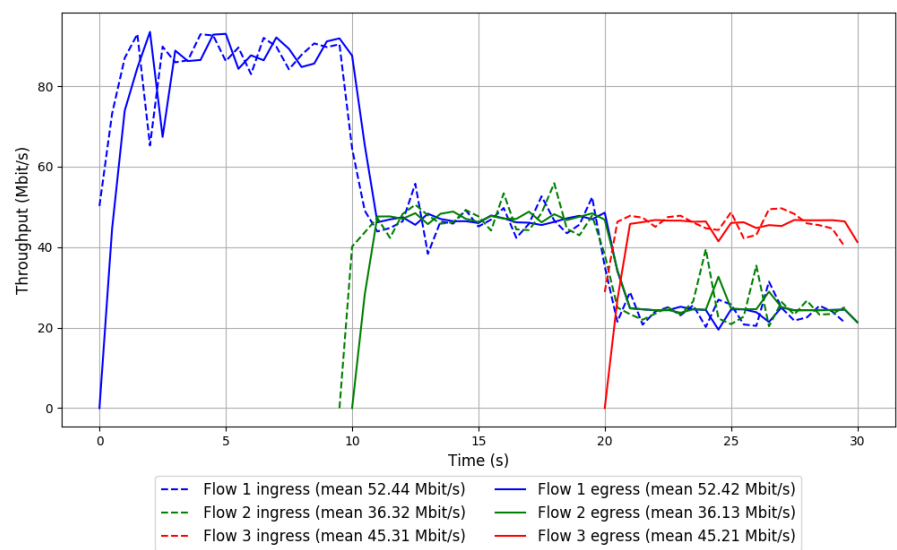
-- Flow 3:

Average throughput: 45.21 Mbit/s

95th percentile per-packet one-way delay: 117.984 ms

Loss rate: 0.88%

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



Run 4: Statistics of TaoVA-100x

Start at: 2019-09-19 05:09:50

End at: 2019-09-19 05:10:20

Local clock offset: 0.652 ms

Remote clock offset: 7.111 ms

Below is generated by plot.py at 2019-09-19 07:08:07

Datalink statistics

-- Total of 3 flows:

Average throughput: 91.84 Mbit/s

95th percentile per-packet one-way delay: 131.414 ms

Loss rate: 0.51%

-- Flow 1:

Average throughput: 60.12 Mbit/s

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

Loss rate: 0.27%

-- Flow 2:

Average throughput: 35.59 Mbit/s

95th percentile per-packet one-way delay: 167.247 ms

Loss rate: 0.65%

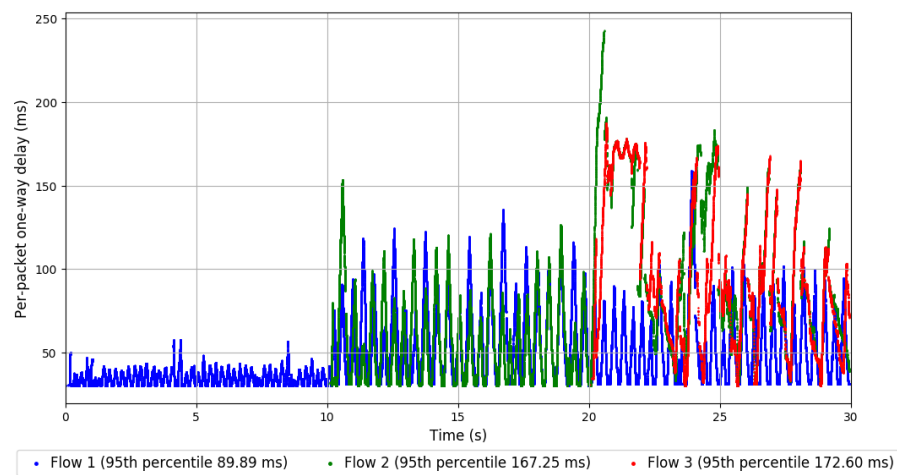
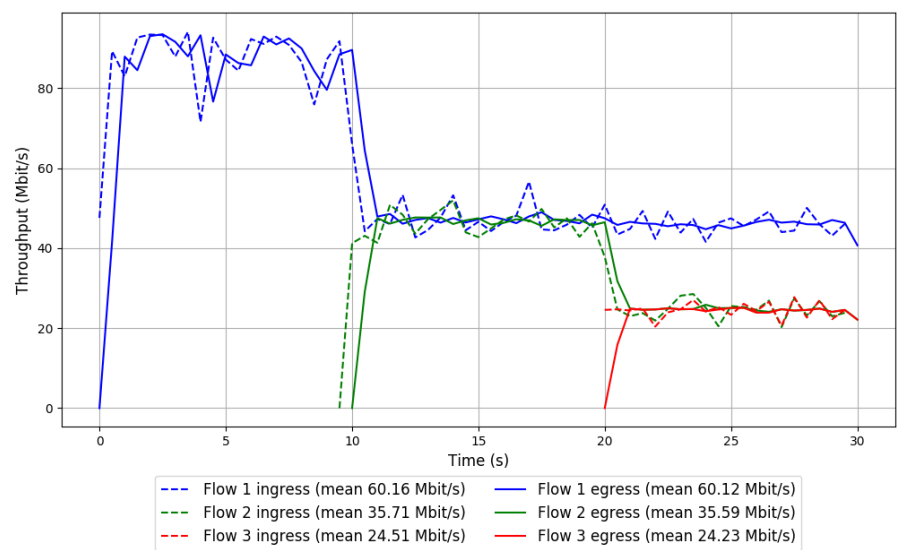
-- Flow 3:

Average throughput: 24.23 Mbit/s

95th percentile per-packet one-way delay: 172.602 ms

Loss rate: 1.78%

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



Run 5: Statistics of TaoVA-100x

Start at: 2019-09-19 06:13:15

End at: 2019-09-19 06:13:45

Local clock offset: -0.388 ms

Remote clock offset: 7.999 ms

Below is generated by plot.py at 2019-09-19 07:08:10

Datalink statistics

-- Total of 3 flows:

Average throughput: 92.57 Mbit/s

95th percentile per-packet one-way delay: 102.043 ms

Loss rate: 0.55%

-- Flow 1:

Average throughput: 55.16 Mbit/s

95th percentile per-packet one-way delay: 99.699 ms

Loss rate: 0.39%

-- Flow 2:

Average throughput: 46.38 Mbit/s

95th percentile per-packet one-way delay: 97.507 ms

Loss rate: 0.47%

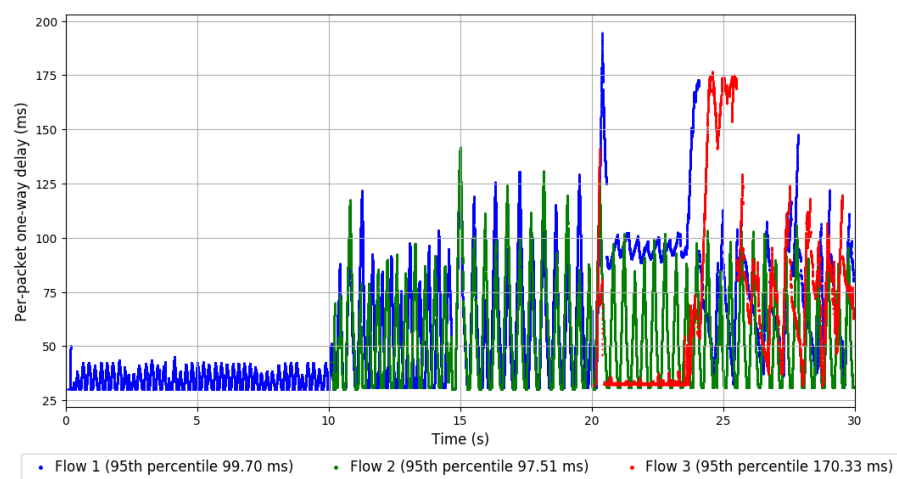
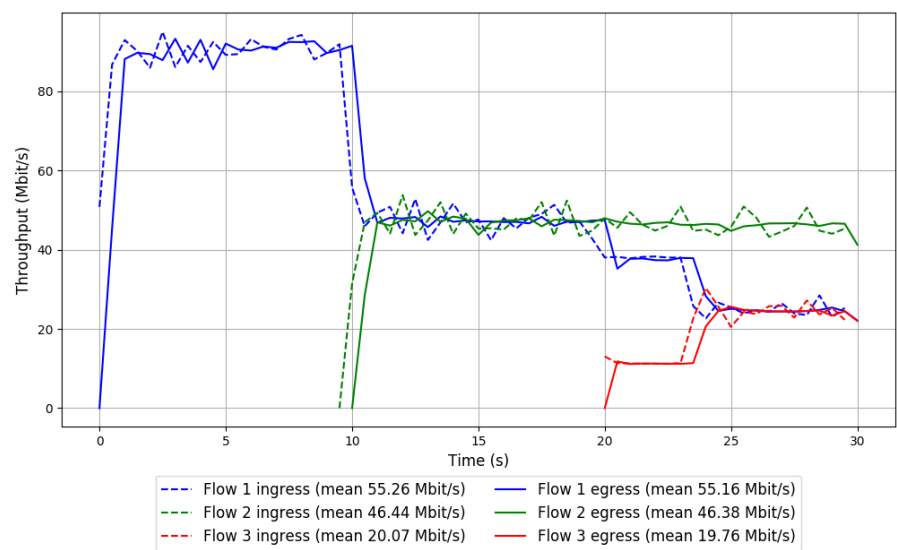
-- Flow 3:

Average throughput: 19.76 Mbit/s

95th percentile per-packet one-way delay: 170.331 ms

Loss rate: 2.21%

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



Run 1: Statistics of TCP Vegas

Start at: 2019-09-19 00:50:05

End at: 2019-09-19 00:50:35

Local clock offset: 3.278 ms

Remote clock offset: 8.686 ms

Below is generated by plot.py at 2019-09-19 07:08:10

Datalink statistics

-- Total of 3 flows:

Average throughput: 83.95 Mbit/s

95th percentile per-packet one-way delay: 39.303 ms

Loss rate: 0.26%

-- Flow 1:

Average throughput: 58.15 Mbit/s

95th percentile per-packet one-way delay: 39.941 ms

Loss rate: 0.13%

-- Flow 2:

Average throughput: 28.68 Mbit/s

95th percentile per-packet one-way delay: 37.120 ms

Loss rate: 0.46%

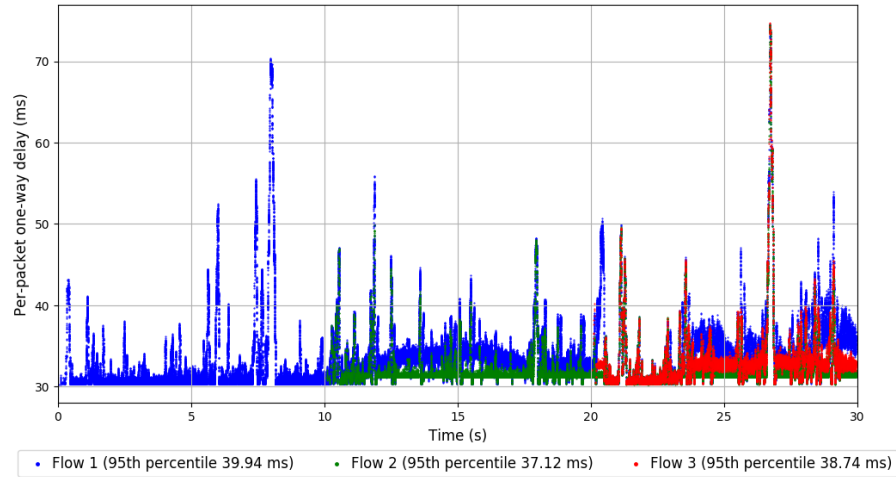
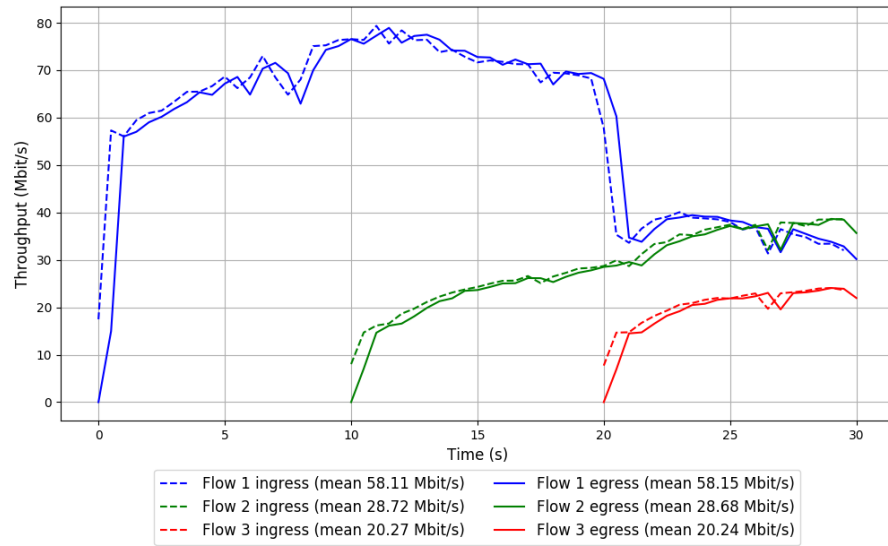
-- Flow 3:

Average throughput: 20.24 Mbit/s

95th percentile per-packet one-way delay: 38.744 ms

Loss rate: 0.81%

Run 1: Report of TCP Vegas — Data Link



Run 2: Statistics of TCP Vegas

Start at: 2019-09-19 02:56:31

End at: 2019-09-19 02:57:01

Local clock offset: -2.704 ms

Remote clock offset: 9.059 ms

Below is generated by plot.py at 2019-09-19 07:08:10

Datalink statistics

-- Total of 3 flows:

Average throughput: 84.08 Mbit/s

95th percentile per-packet one-way delay: 44.358 ms

Loss rate: 0.27%

-- Flow 1:

Average throughput: 48.14 Mbit/s

95th percentile per-packet one-way delay: 47.815 ms

Loss rate: 0.13%

-- Flow 2:

Average throughput: 37.25 Mbit/s

95th percentile per-packet one-way delay: 38.029 ms

Loss rate: 0.35%

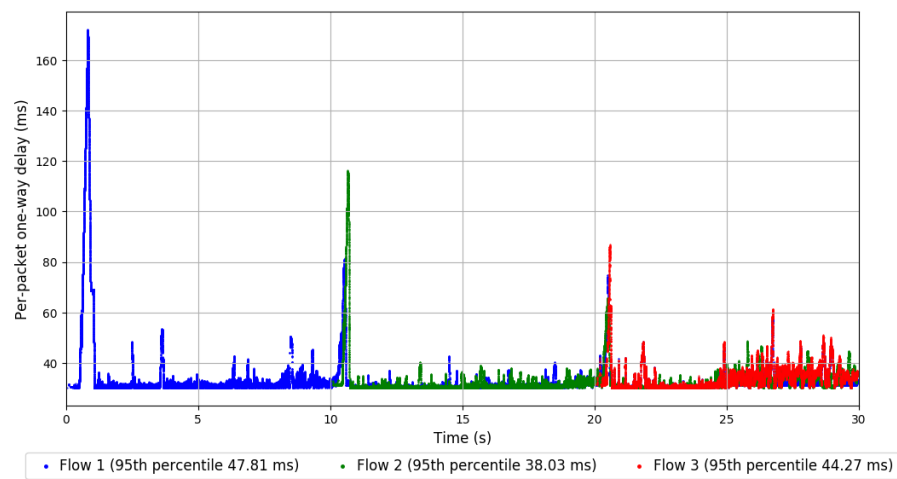
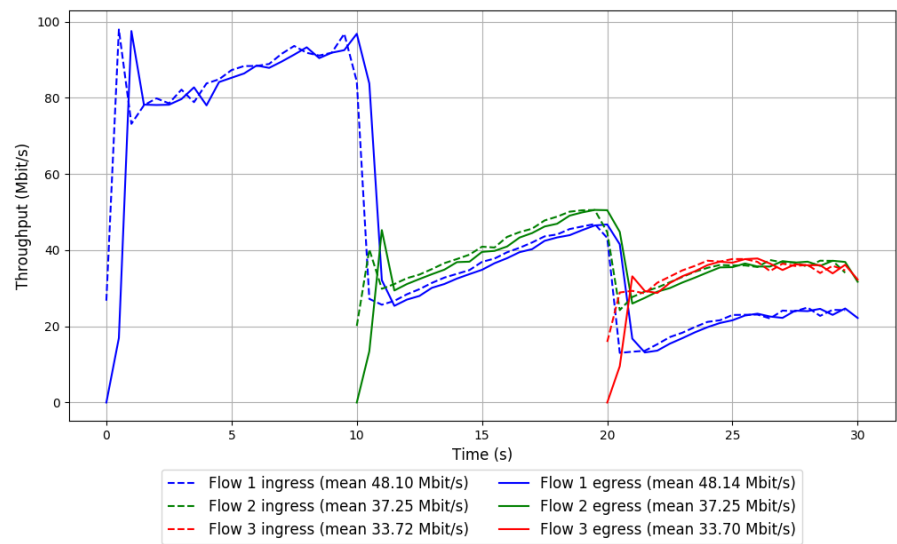
-- Flow 3:

Average throughput: 33.70 Mbit/s

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

Loss rate: 0.74%

Run 2: Report of TCP Vegas — Data Link



Run 3: Statistics of TCP Vegas

Start at: 2019-09-19 04:32:01

End at: 2019-09-19 04:32:31

Local clock offset: -2.416 ms

Remote clock offset: 9.176 ms

Below is generated by plot.py at 2019-09-19 07:08:10

Datalink statistics

-- Total of 3 flows:

Average throughput: 81.68 Mbit/s

95th percentile per-packet one-way delay: 41.009 ms

Loss rate: 0.29%

-- Flow 1:

Average throughput: 46.75 Mbit/s

95th percentile per-packet one-way delay: 42.203 ms

Loss rate: 0.14%

-- Flow 2:

Average throughput: 35.33 Mbit/s

95th percentile per-packet one-way delay: 37.294 ms

Loss rate: 0.37%

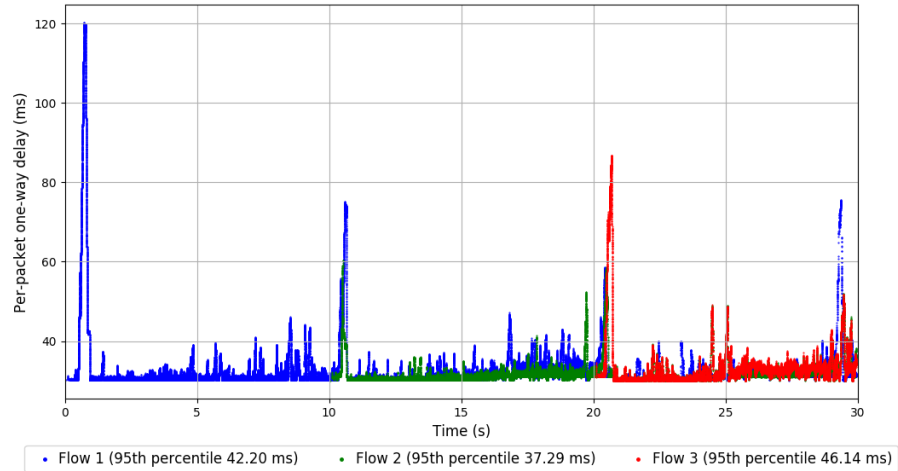
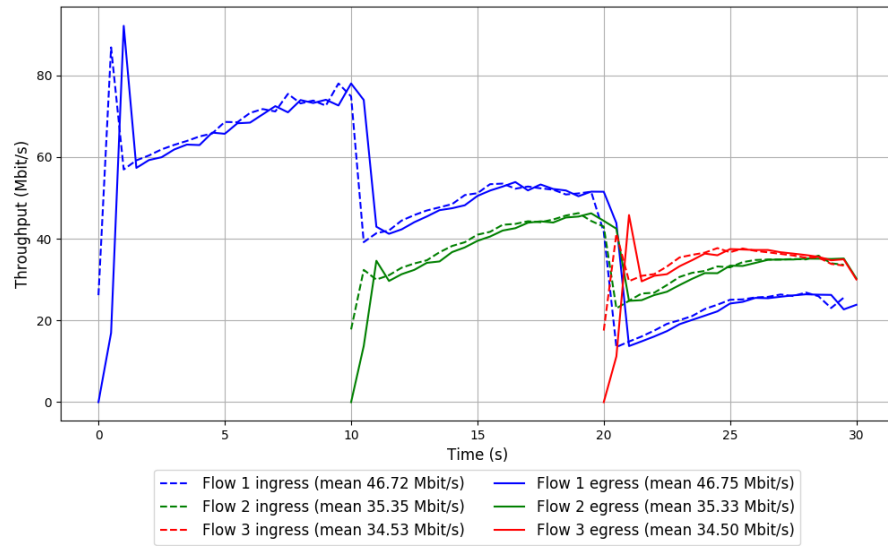
-- Flow 3:

Average throughput: 34.50 Mbit/s

95th percentile per-packet one-way delay: 46.140 ms

Loss rate: 0.73%

Run 3: Report of TCP Vegas — Data Link



Run 4: Statistics of TCP Vegas

Start at: 2019-09-19 05:41:39

End at: 2019-09-19 05:42:09

Local clock offset: -2.155 ms

Remote clock offset: 7.566 ms

Below is generated by plot.py at 2019-09-19 07:08:10

Datalink statistics

-- Total of 3 flows:

Average throughput: 72.80 Mbit/s

95th percentile per-packet one-way delay: 40.351 ms

Loss rate: 0.41%

-- Flow 1:

Average throughput: 38.05 Mbit/s

95th percentile per-packet one-way delay: 53.337 ms

Loss rate: 0.24%

-- Flow 2:

Average throughput: 36.81 Mbit/s

95th percentile per-packet one-way delay: 34.976 ms

Loss rate: 0.31%

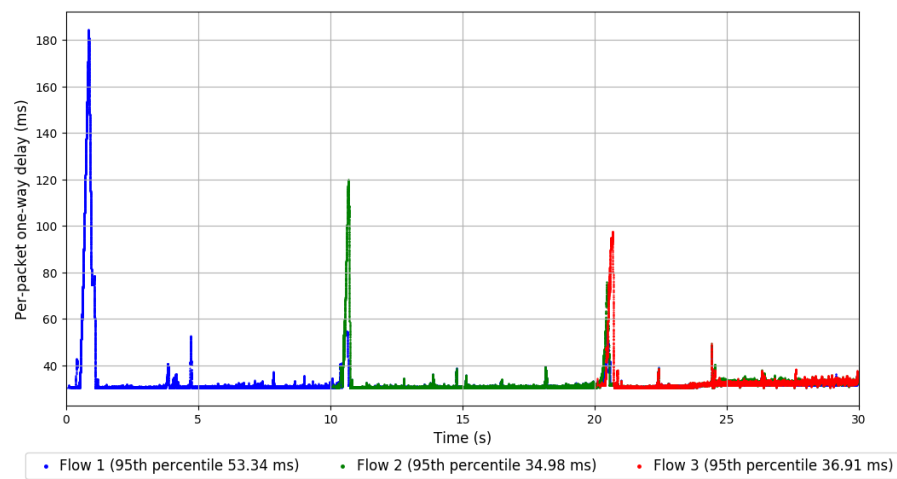
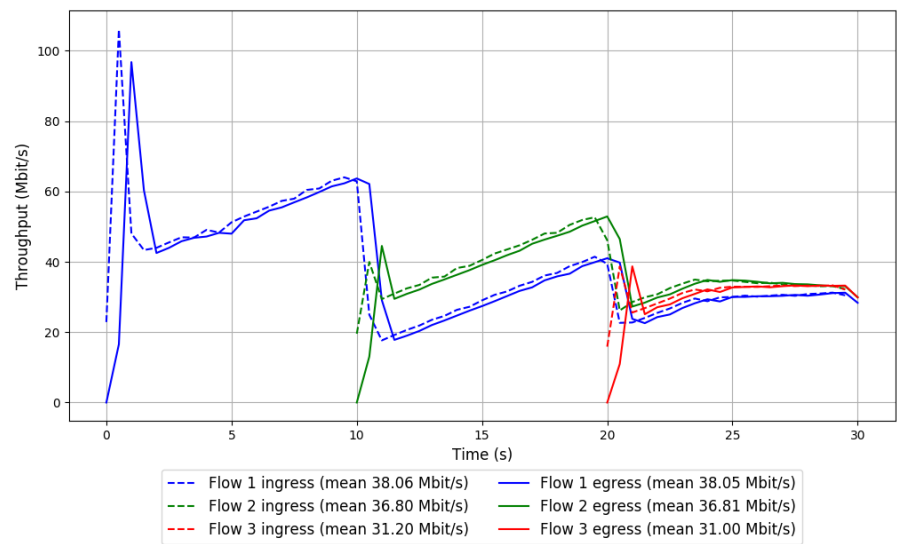
-- Flow 3:

Average throughput: 31.00 Mbit/s

95th percentile per-packet one-way delay: 36.907 ms

Loss rate: 1.28%

Run 4: Report of TCP Vegas — Data Link



Run 5: Statistics of TCP Vegas

Start at: 2019-09-19 06:38:13

End at: 2019-09-19 06:38:43

Local clock offset: 2.51 ms

Remote clock offset: 9.19 ms

Below is generated by plot.py at 2019-09-19 07:08:24

Datalink statistics

-- Total of 3 flows:

Average throughput: 75.46 Mbit/s

95th percentile per-packet one-way delay: 38.056 ms

Loss rate: 0.30%

-- Flow 1:

Average throughput: 36.32 Mbit/s

95th percentile per-packet one-way delay: 51.734 ms

Loss rate: 0.19%

-- Flow 2:

Average throughput: 43.54 Mbit/s

95th percentile per-packet one-way delay: 35.364 ms

Loss rate: 0.32%

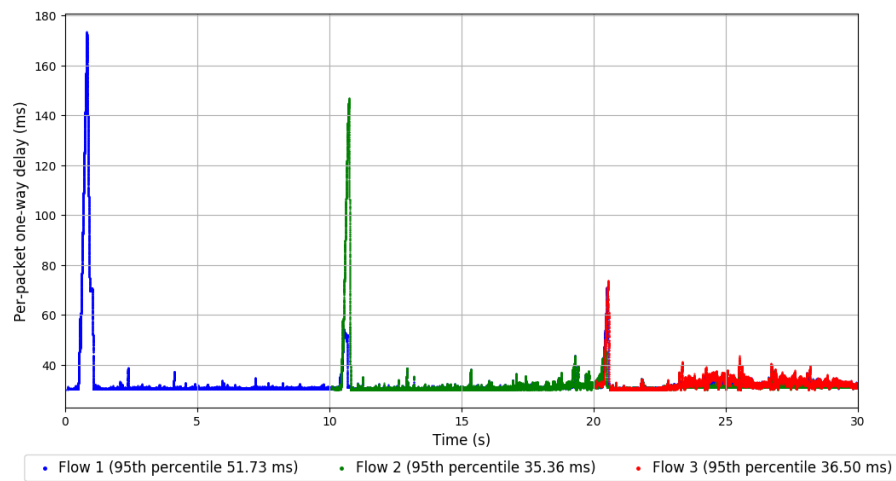
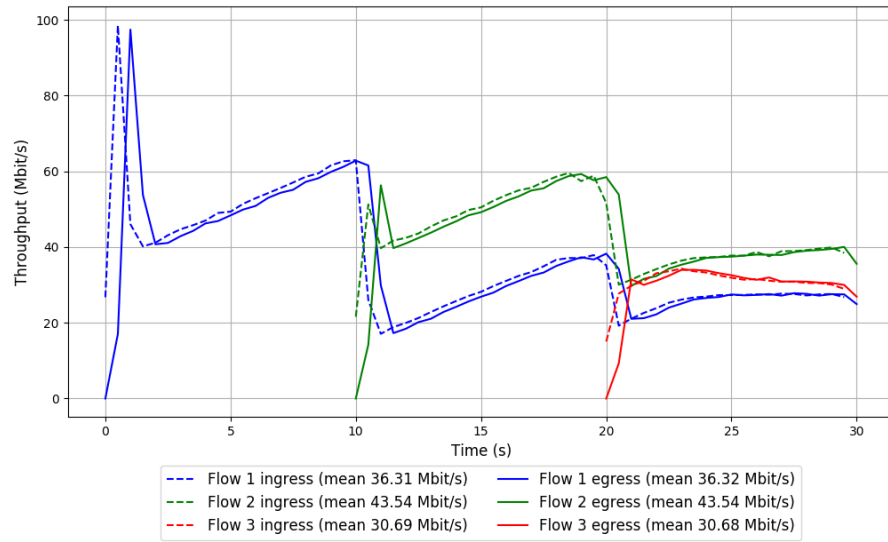
-- Flow 3:

Average throughput: 30.68 Mbit/s

95th percentile per-packet one-way delay: 36.496 ms

Loss rate: 0.66%

Run 5: Report of TCP Vegas — Data Link



Run 1: Statistics of Verus

Start at: 2019-09-19 00:34:53

End at: 2019-09-19 00:35:23

Local clock offset: 1.56 ms

Remote clock offset: 8.515 ms

Below is generated by plot.py at 2019-09-19 07:08:45

Datalink statistics

-- Total of 3 flows:

Average throughput: 89.30 Mbit/s

95th percentile per-packet one-way delay: 150.697 ms

Loss rate: 0.50%

-- Flow 1:

Average throughput: 52.95 Mbit/s

95th percentile per-packet one-way delay: 160.289 ms

Loss rate: 0.31%

-- Flow 2:

Average throughput: 42.98 Mbit/s

95th percentile per-packet one-way delay: 87.744 ms

Loss rate: 0.68%

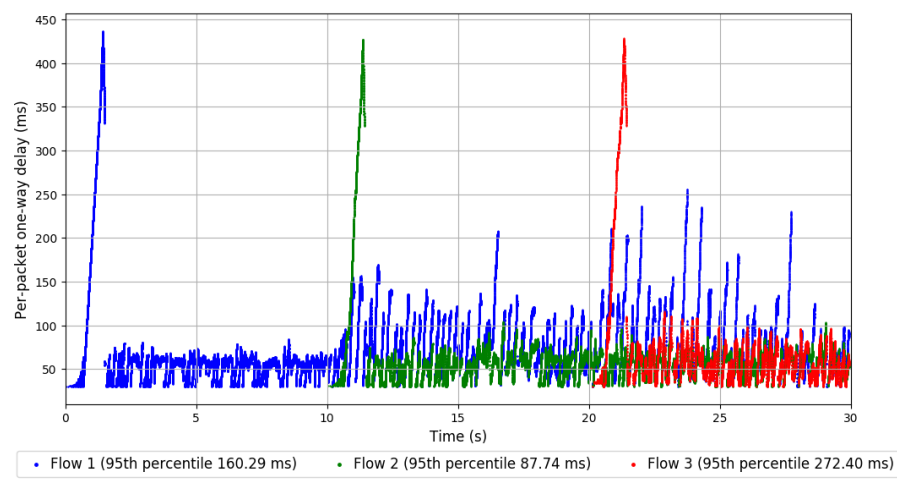
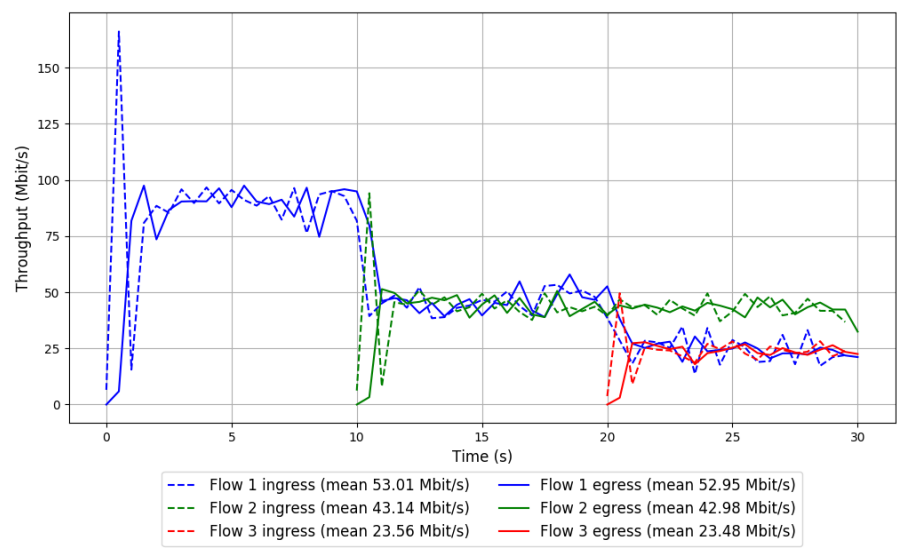
-- Flow 3:

Average throughput: 23.48 Mbit/s

95th percentile per-packet one-way delay: 272.399 ms

Loss rate: 1.14%

Run 1: Report of Verus — Data Link

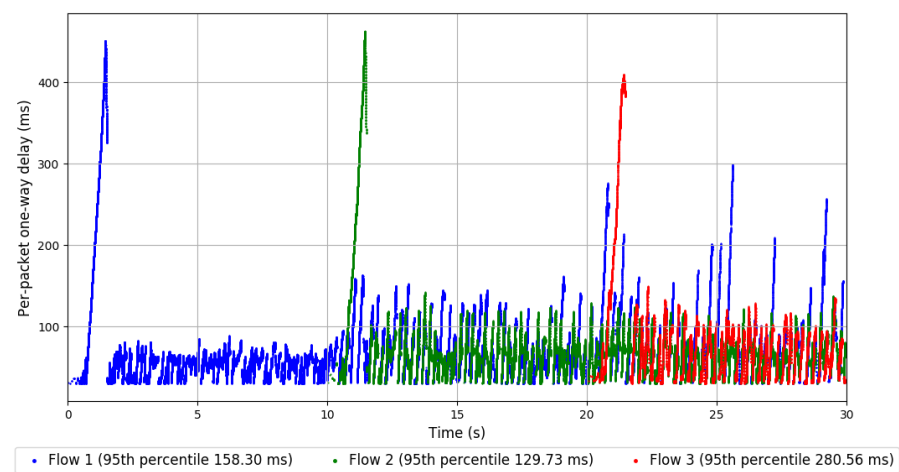
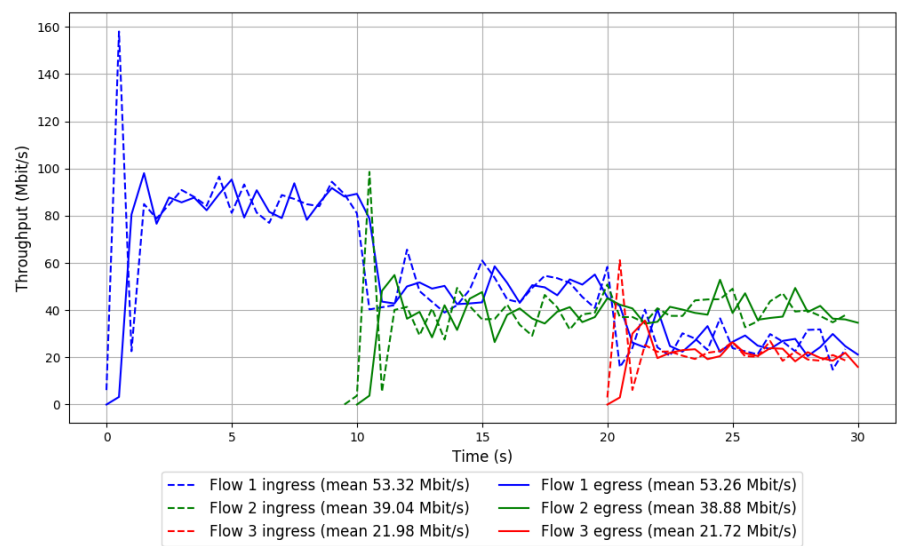


Run 2: Statistics of Verus

Start at: 2019-09-19 02:41:21
End at: 2019-09-19 02:41:51
Local clock offset: -1.766 ms
Remote clock offset: 8.997 ms

Below is generated by plot.py at 2019-09-19 07:08:54
Datalink statistics
-- Total of 3 flows:
Average throughput: 86.31 Mbit/s
95th percentile per-packet one-way delay: 158.010 ms
Loss rate: 0.56%
-- Flow 1:
Average throughput: 53.26 Mbit/s
95th percentile per-packet one-way delay: 158.302 ms
Loss rate: 0.32%
-- Flow 2:
Average throughput: 38.88 Mbit/s
95th percentile per-packet one-way delay: 129.731 ms
Loss rate: 0.69%
-- Flow 3:
Average throughput: 21.72 Mbit/s
95th percentile per-packet one-way delay: 280.565 ms
Loss rate: 1.83%

Run 2: Report of Verus — Data Link

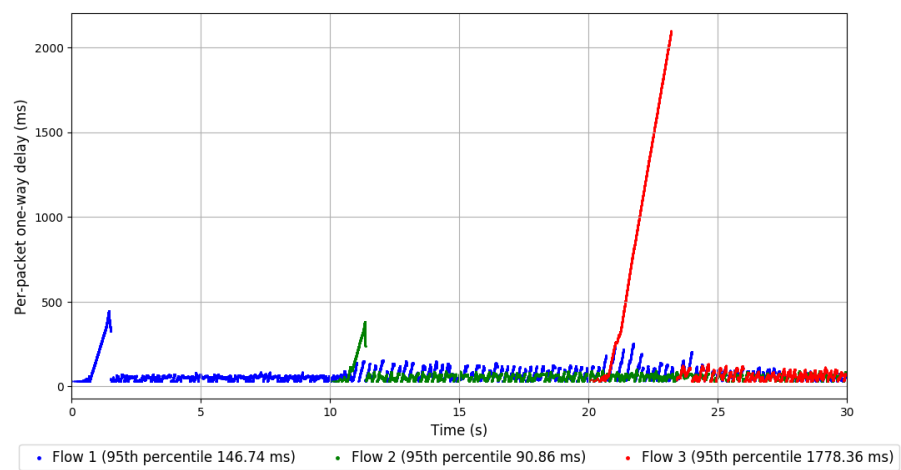
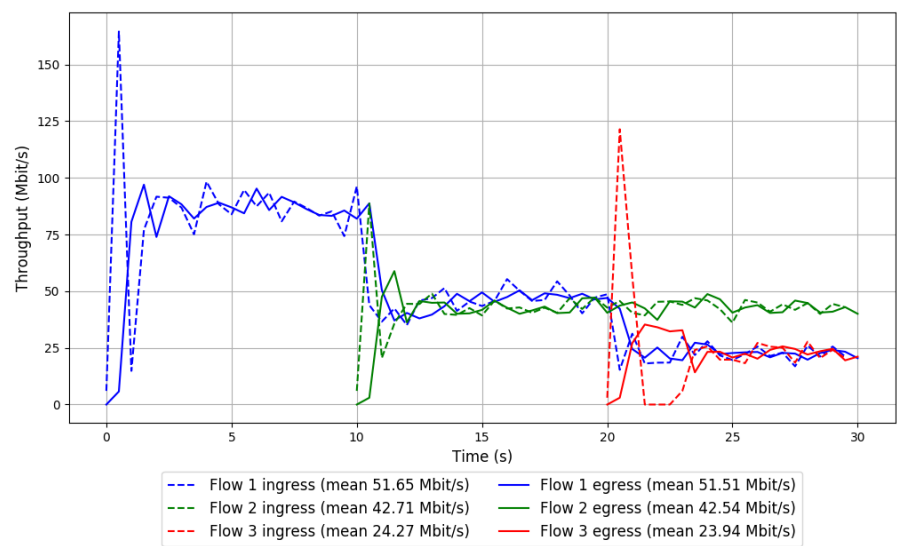


Run 3: Statistics of Verus

Start at: 2019-09-19 04:22:28
End at: 2019-09-19 04:22:58
Local clock offset: -2.978 ms
Remote clock offset: 9.009 ms

Below is generated by plot.py at 2019-09-19 07:08:56
Datalink statistics
-- Total of 3 flows:
Average throughput: 87.73 Mbit/s
95th percentile per-packet one-way delay: 231.213 ms
Loss rate: 0.58%
-- Flow 1:
Average throughput: 51.51 Mbit/s
95th percentile per-packet one-way delay: 146.744 ms
Loss rate: 0.27%
-- Flow 2:
Average throughput: 42.54 Mbit/s
95th percentile per-packet one-way delay: 90.855 ms
Loss rate: 0.73%
-- Flow 3:
Average throughput: 23.94 Mbit/s
95th percentile per-packet one-way delay: 1778.360 ms
Loss rate: 2.04%

Run 3: Report of Verus — Data Link



Run 4: Statistics of Verus

Start at: 2019-09-19 05:33:46

End at: 2019-09-19 05:34:16

Local clock offset: -0.466 ms

Remote clock offset: 7.582 ms

Below is generated by plot.py at 2019-09-19 07:09:03

Datalink statistics

-- Total of 3 flows:

Average throughput: 88.21 Mbit/s

95th percentile per-packet one-way delay: 144.693 ms

Loss rate: 0.50%

-- Flow 1:

Average throughput: 53.19 Mbit/s

95th percentile per-packet one-way delay: 147.339 ms

Loss rate: 0.40%

-- Flow 2:

Average throughput: 37.45 Mbit/s

95th percentile per-packet one-way delay: 109.915 ms

Loss rate: 0.43%

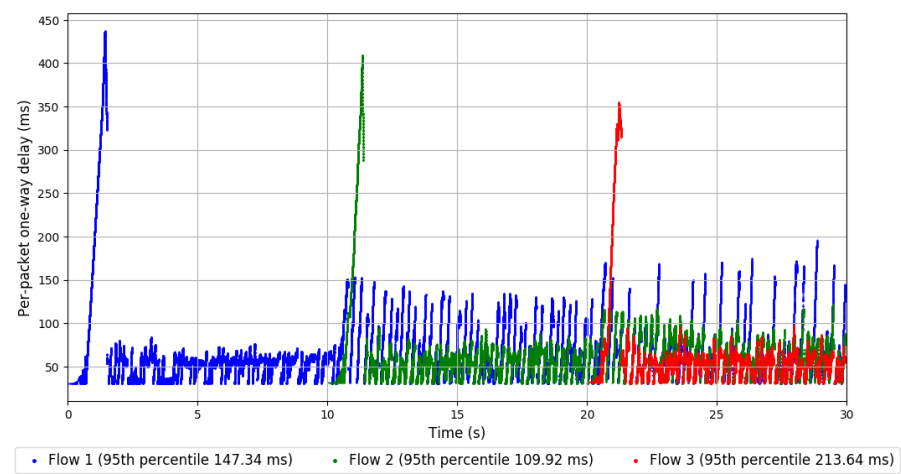
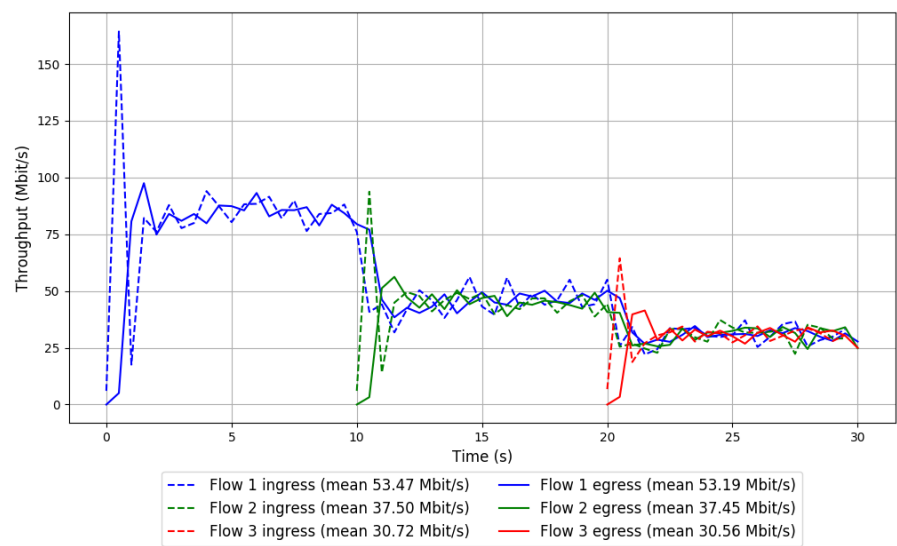
-- Flow 3:

Average throughput: 30.56 Mbit/s

95th percentile per-packet one-way delay: 213.636 ms

Loss rate: 1.16%

Run 4: Report of Verus — Data Link



Run 5: Statistics of Verus

Start at: 2019-09-19 06:29:41

End at: 2019-09-19 06:30:11

Local clock offset: 0.631 ms

Remote clock offset: 8.731 ms

Below is generated by plot.py at 2019-09-19 07:09:03

Datalink statistics

-- Total of 3 flows:

Average throughput: 88.97 Mbit/s

95th percentile per-packet one-way delay: 292.702 ms

Loss rate: 0.44%

-- Flow 1:

Average throughput: 55.16 Mbit/s

95th percentile per-packet one-way delay: 154.086 ms

Loss rate: 0.18%

-- Flow 2:

Average throughput: 35.74 Mbit/s

95th percentile per-packet one-way delay: 1087.653 ms

Loss rate: 0.67%

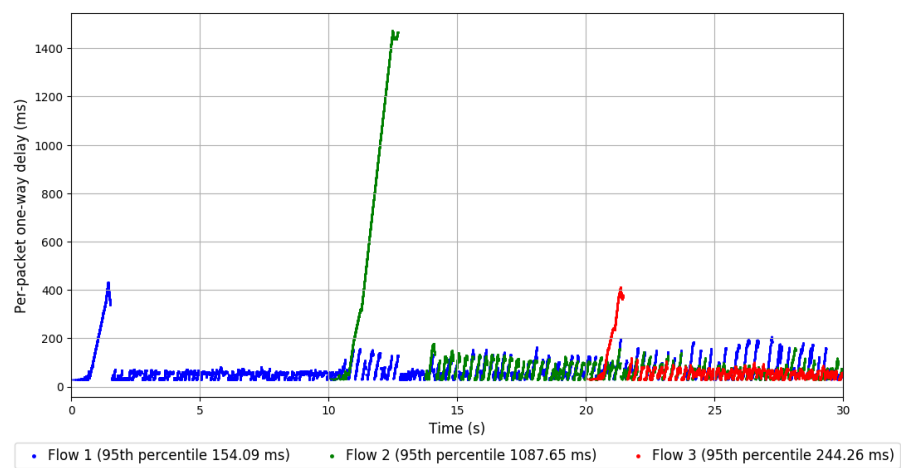
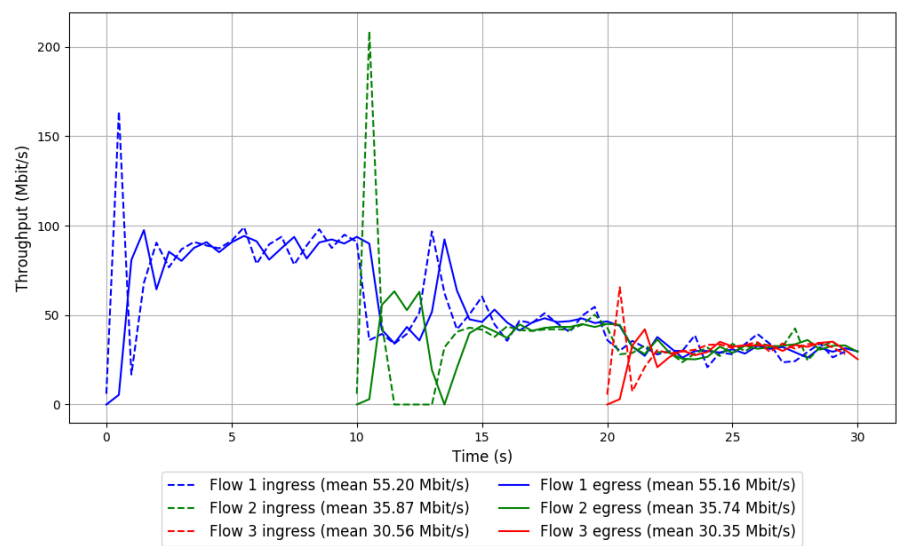
-- Flow 3:

Average throughput: 30.35 Mbit/s

95th percentile per-packet one-way delay: 244.264 ms

Loss rate: 1.33%

Run 5: Report of Verus — Data Link



Run 1: Statistics of PCC-Vivace

Start at: 2019-09-19 01:13:56

End at: 2019-09-19 01:14:26

Local clock offset: 3.716 ms

Remote clock offset: 8.13 ms

Below is generated by plot.py at 2019-09-19 07:09:03

Datalink statistics

-- Total of 3 flows:

Average throughput: 59.01 Mbit/s

95th percentile per-packet one-way delay: 87.303 ms

Loss rate: 0.45%

-- Flow 1:

Average throughput: 27.39 Mbit/s

95th percentile per-packet one-way delay: 70.869 ms

Loss rate: 0.40%

-- Flow 2:

Average throughput: 44.66 Mbit/s

95th percentile per-packet one-way delay: 132.788 ms

Loss rate: 0.48%

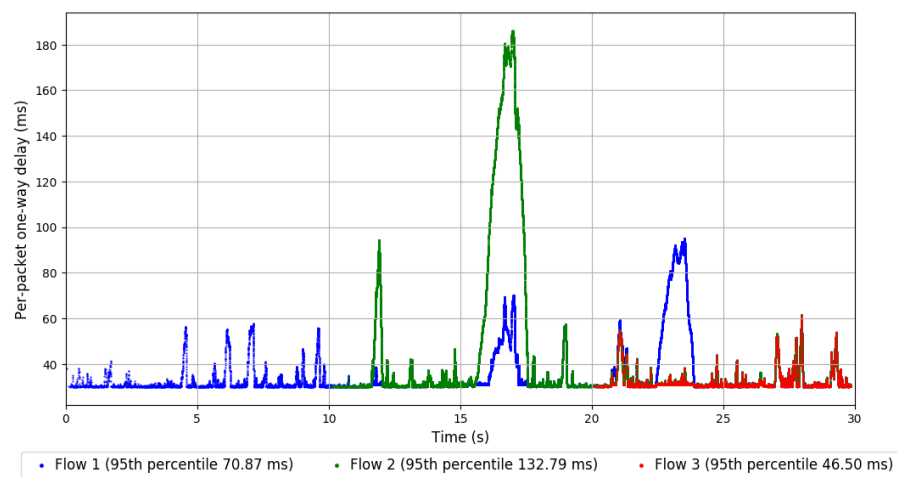
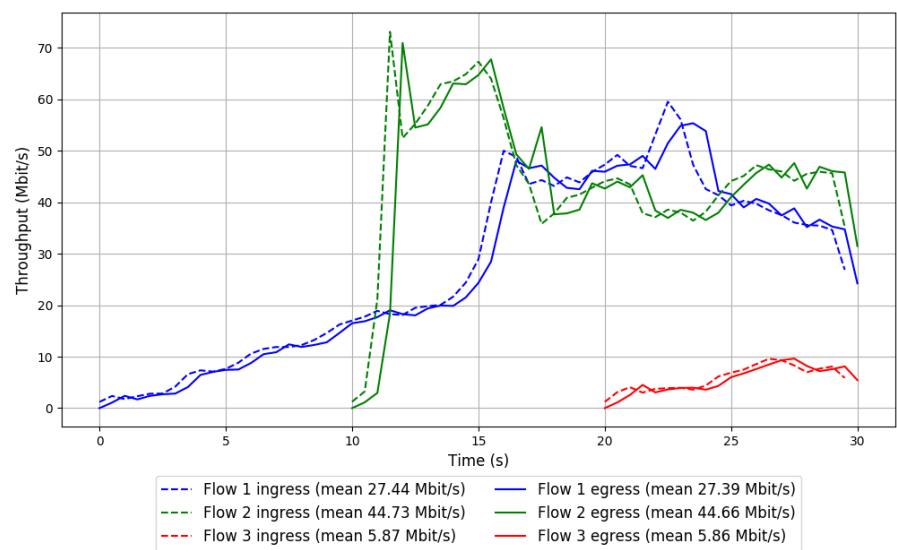
-- Flow 3:

Average throughput: 5.86 Mbit/s

95th percentile per-packet one-way delay: 46.500 ms

Loss rate: 0.78%

Run 1: Report of PCC-Vivace — Data Link



Run 2: Statistics of PCC-Vivace

Start at: 2019-09-19 03:35:21

End at: 2019-09-19 03:35:51

Local clock offset: -0.968 ms

Remote clock offset: 8.337 ms

Below is generated by plot.py at 2019-09-19 07:09:08

Datalink statistics

-- Total of 3 flows:

Average throughput: 74.92 Mbit/s

95th percentile per-packet one-way delay: 677.182 ms

Loss rate: 4.49%

-- Flow 1:

Average throughput: 53.07 Mbit/s

95th percentile per-packet one-way delay: 53.326 ms

Loss rate: 0.25%

-- Flow 2:

Average throughput: 24.85 Mbit/s

95th percentile per-packet one-way delay: 1881.453 ms

Loss rate: 16.13%

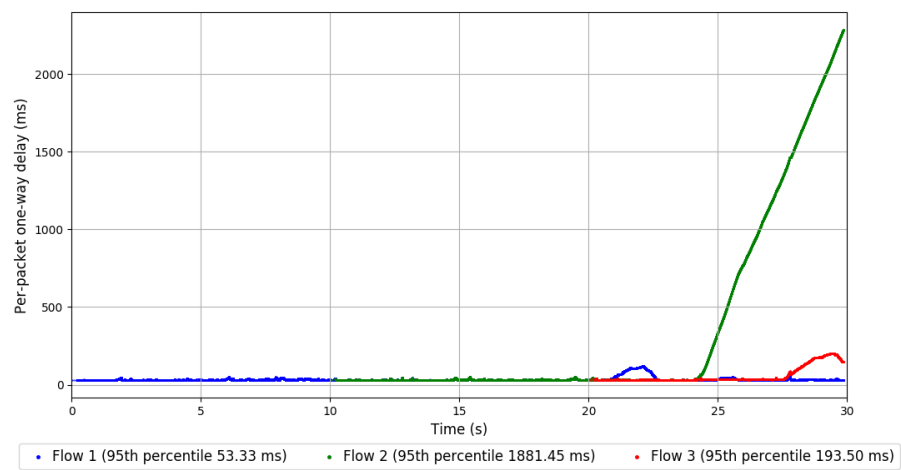
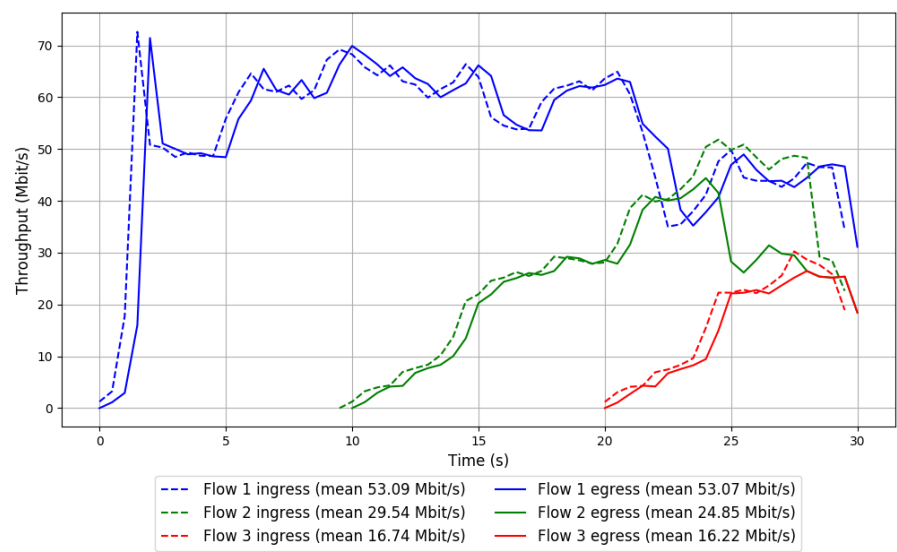
-- Flow 3:

Average throughput: 16.22 Mbit/s

95th percentile per-packet one-way delay: 193.497 ms

Loss rate: 3.74%

Run 2: Report of PCC-Vivace — Data Link



Run 3: Statistics of PCC-Vivace

Start at: 2019-09-19 04:46:25

End at: 2019-09-19 04:46:55

Local clock offset: 0.225 ms

Remote clock offset: 7.993 ms

Below is generated by plot.py at 2019-09-19 07:09:17

Datalink statistics

-- Total of 3 flows:

Average throughput: 84.41 Mbit/s

95th percentile per-packet one-way delay: 1234.335 ms

Loss rate: 3.17%

-- Flow 1:

Average throughput: 62.61 Mbit/s

95th percentile per-packet one-way delay: 1582.411 ms

Loss rate: 4.03%

-- Flow 2:

Average throughput: 25.20 Mbit/s

95th percentile per-packet one-way delay: 38.089 ms

Loss rate: 0.45%

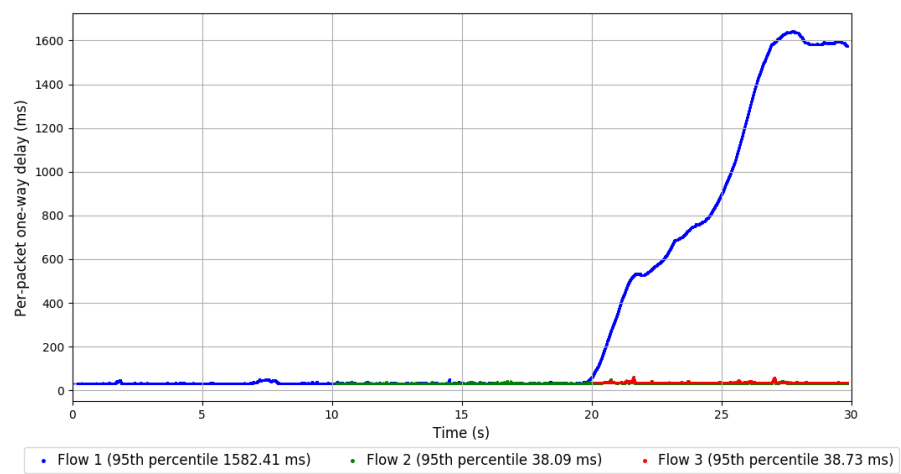
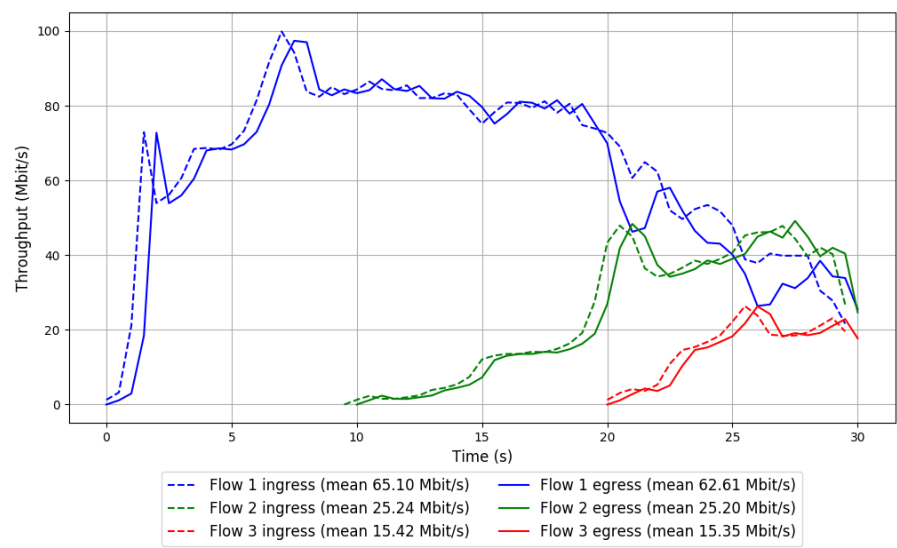
-- Flow 3:

Average throughput: 15.35 Mbit/s

95th percentile per-packet one-way delay: 38.729 ms

Loss rate: 1.14%

Run 3: Report of PCC-Vivace — Data Link



Run 4: Statistics of PCC-Vivace

Start at: 2019-09-19 05:53:35

End at: 2019-09-19 05:54:05

Local clock offset: -3.234 ms

Remote clock offset: 7.606 ms

Below is generated by plot.py at 2019-09-19 07:09:21

Datalink statistics

-- Total of 3 flows:

Average throughput: 84.56 Mbit/s

95th percentile per-packet one-way delay: 1738.391 ms

Loss rate: 3.15%

-- Flow 1:

Average throughput: 51.99 Mbit/s

95th percentile per-packet one-way delay: 1891.416 ms

Loss rate: 4.67%

-- Flow 2:

Average throughput: 35.70 Mbit/s

95th percentile per-packet one-way delay: 57.929 ms

Loss rate: 0.44%

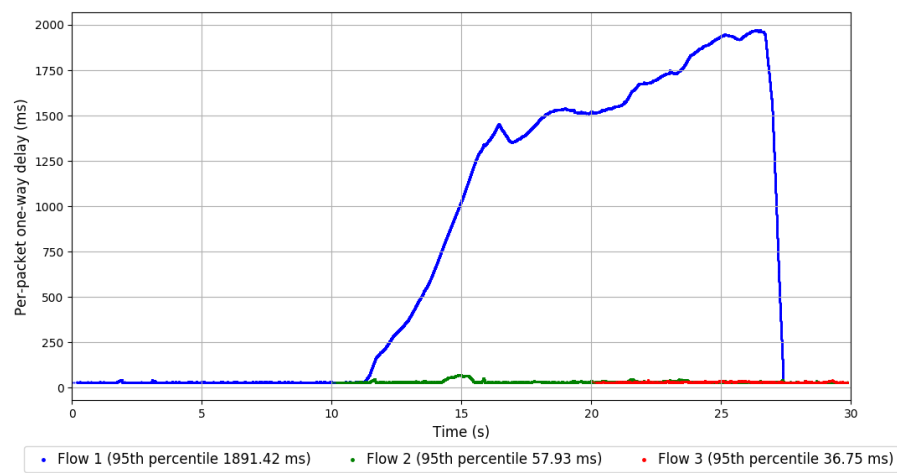
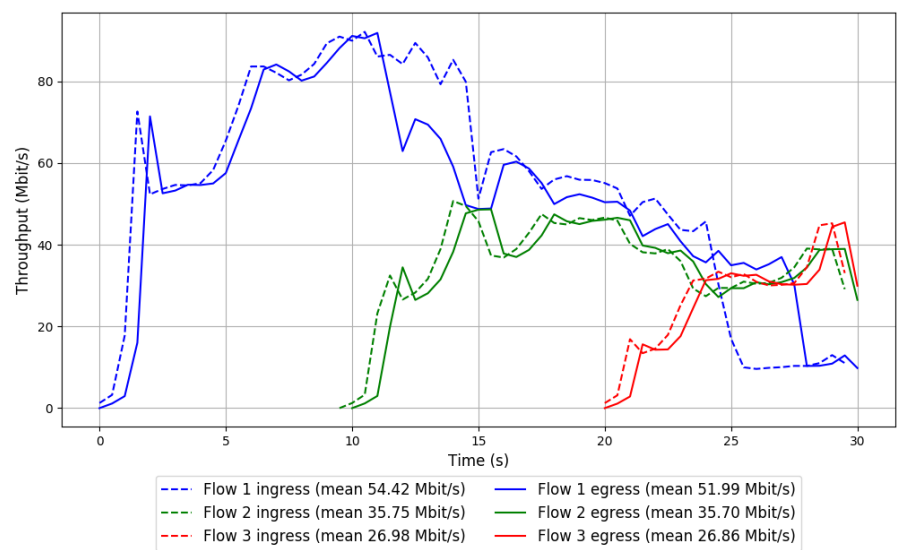
-- Flow 3:

Average throughput: 26.86 Mbit/s

95th percentile per-packet one-way delay: 36.752 ms

Loss rate: 1.10%

Run 4: Report of PCC-Vivace — Data Link



Run 5: Statistics of PCC-Vivace

Start at: 2019-09-19 06:49:48

End at: 2019-09-19 06:50:18

Local clock offset: 3.785 ms

Remote clock offset: 9.159 ms

Below is generated by plot.py at 2019-09-19 07:09:22

Datalink statistics

-- Total of 3 flows:

Average throughput: 80.65 Mbit/s

95th percentile per-packet one-way delay: 1874.417 ms

Loss rate: 5.13%

-- Flow 1:

Average throughput: 49.43 Mbit/s

95th percentile per-packet one-way delay: 1930.330 ms

Loss rate: 7.77%

-- Flow 2:

Average throughput: 35.43 Mbit/s

95th percentile per-packet one-way delay: 76.504 ms

Loss rate: 0.54%

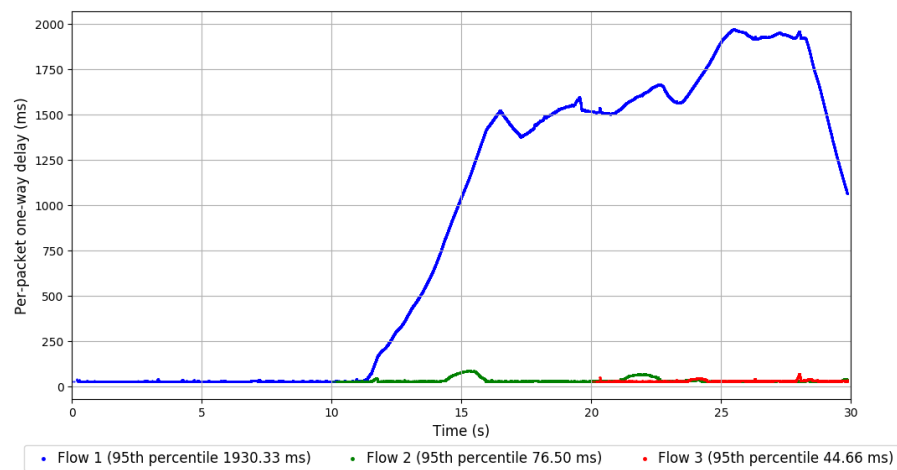
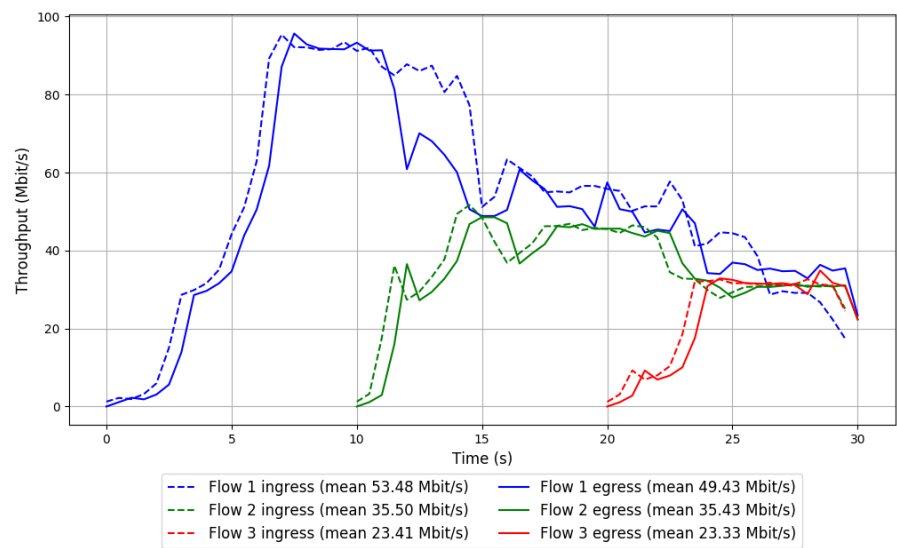
-- Flow 3:

Average throughput: 23.33 Mbit/s

95th percentile per-packet one-way delay: 44.660 ms

Loss rate: 0.96%

Run 5: Report of PCC-Vivace — Data Link



Run 1: Statistics of WebRTC media

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

End at: 2019-09-18 23:11:48

Local clock offset: -2.433 ms

Remote clock offset: 7.8 ms

Below is generated by plot.py at 2019-09-19 07:09:22

Datalink statistics

-- Total of 3 flows:

Average throughput: 3.15 Mbit/s

95th percentile per-packet one-way delay: 32.179 ms

Loss rate: 0.28%

-- Flow 1:

Average throughput: 1.74 Mbit/s

95th percentile per-packet one-way delay: 32.475 ms

Loss rate: 0.11%

-- Flow 2:

Average throughput: 0.99 Mbit/s

95th percentile per-packet one-way delay: 31.932 ms

Loss rate: 0.35%

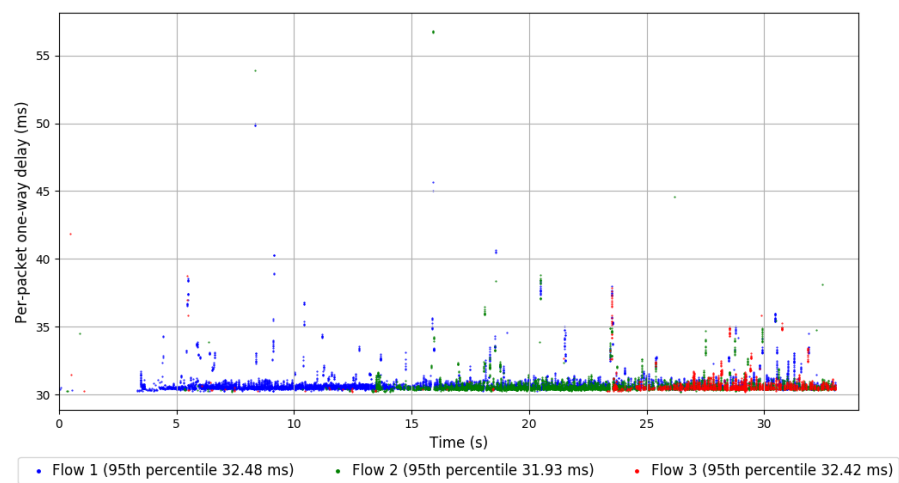
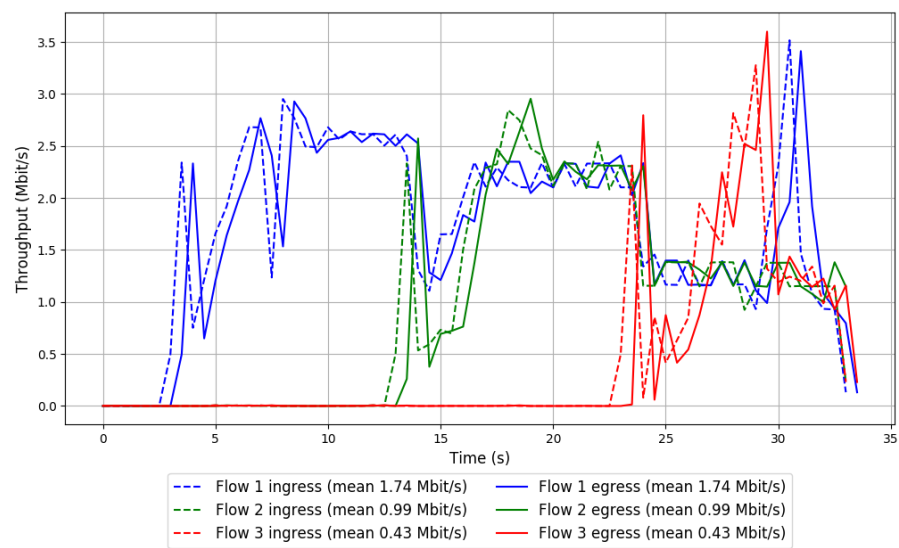
-- Flow 3:

Average throughput: 0.43 Mbit/s

95th percentile per-packet one-way delay: 32.420 ms

Loss rate: 0.82%

Run 1: Report of WebRTC media — Data Link



Run 2: Statistics of WebRTC media

Start at: 2019-09-19 01:40:26

End at: 2019-09-19 01:40:56

Local clock offset: -1.142 ms

Remote clock offset: 6.499 ms

Below is generated by plot.py at 2019-09-19 07:09:22

Datalink statistics

-- Total of 3 flows:

Average throughput: 3.23 Mbit/s

95th percentile per-packet one-way delay: 37.822 ms

Loss rate: 0.29%

-- Flow 1:

Average throughput: 1.78 Mbit/s

95th percentile per-packet one-way delay: 39.636 ms

Loss rate: 0.13%

-- Flow 2:

Average throughput: 1.03 Mbit/s

95th percentile per-packet one-way delay: 34.827 ms

Loss rate: 0.35%

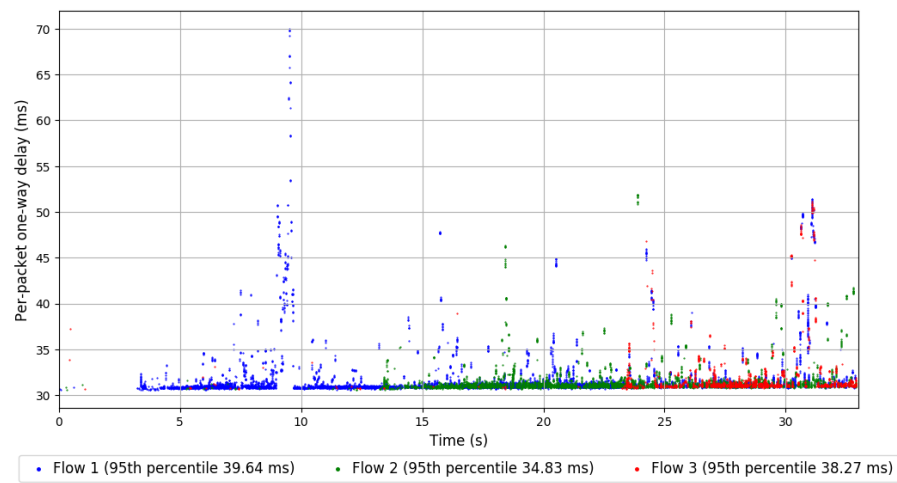
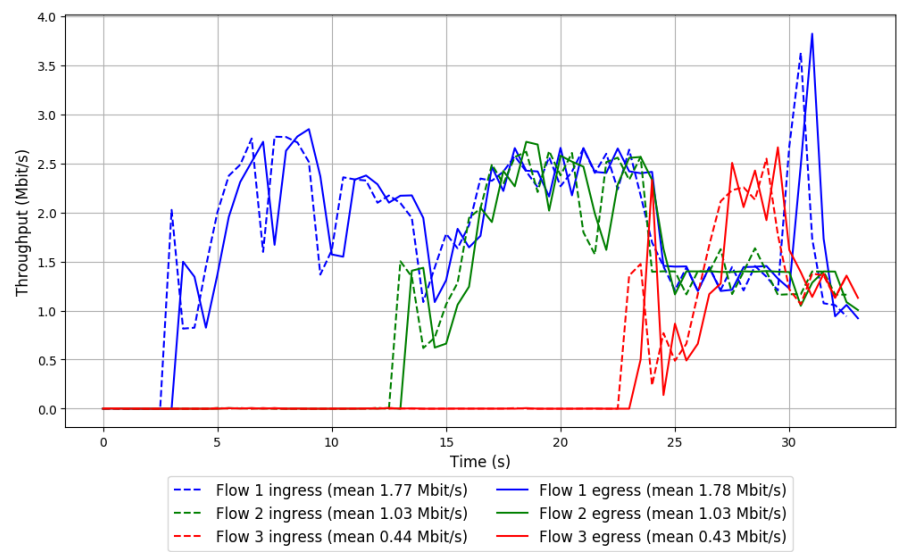
-- Flow 3:

Average throughput: 0.43 Mbit/s

95th percentile per-packet one-way delay: 38.274 ms

Loss rate: 0.79%

Run 2: Report of WebRTC media — Data Link



Run 3: Statistics of WebRTC media

Start at: 2019-09-19 03:50:49

End at: 2019-09-19 03:51:19

Local clock offset: -2.846 ms

Remote clock offset: 9.184 ms

Below is generated by plot.py at 2019-09-19 07:09:22

Datalink statistics

-- Total of 3 flows:

Average throughput: 3.27 Mbit/s

95th percentile per-packet one-way delay: 31.730 ms

Loss rate: 0.11%

-- Flow 1:

Average throughput: 1.82 Mbit/s

95th percentile per-packet one-way delay: 31.657 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 1.03 Mbit/s

95th percentile per-packet one-way delay: 31.393 ms

Loss rate: 0.34%

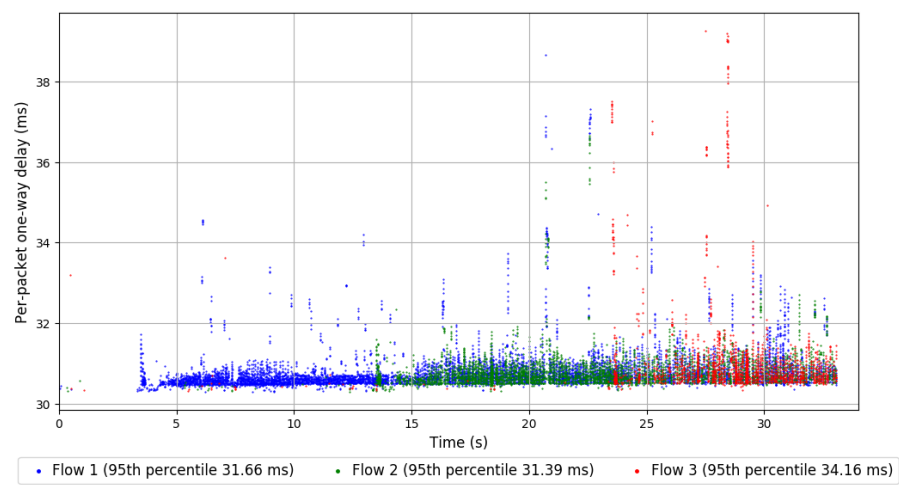
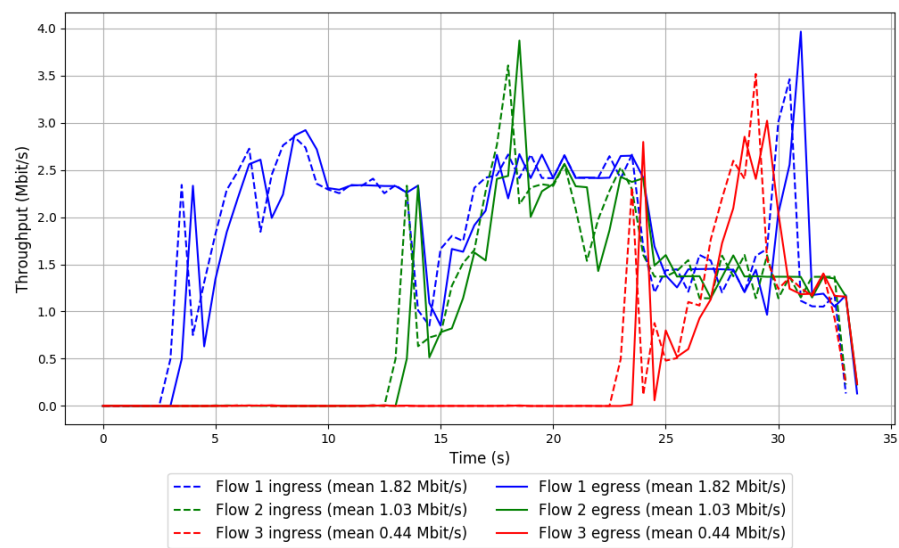
-- Flow 3:

Average throughput: 0.44 Mbit/s

95th percentile per-packet one-way delay: 34.164 ms

Loss rate: 0.01%

Run 3: Report of WebRTC media — Data Link



Run 4: Statistics of WebRTC media

Start at: 2019-09-19 05:01:52

End at: 2019-09-19 05:02:22

Local clock offset: 0.944 ms

Remote clock offset: 7.296 ms

Below is generated by plot.py at 2019-09-19 07:09:22

Datalink statistics

-- Total of 3 flows:

Average throughput: 3.24 Mbit/s

95th percentile per-packet one-way delay: 32.060 ms

Loss rate: 0.18%

-- Flow 1:

Average throughput: 1.79 Mbit/s

95th percentile per-packet one-way delay: 31.878 ms

Loss rate: 0.11%

-- Flow 2:

Average throughput: 1.01 Mbit/s

95th percentile per-packet one-way delay: 32.254 ms

Loss rate: 0.03%

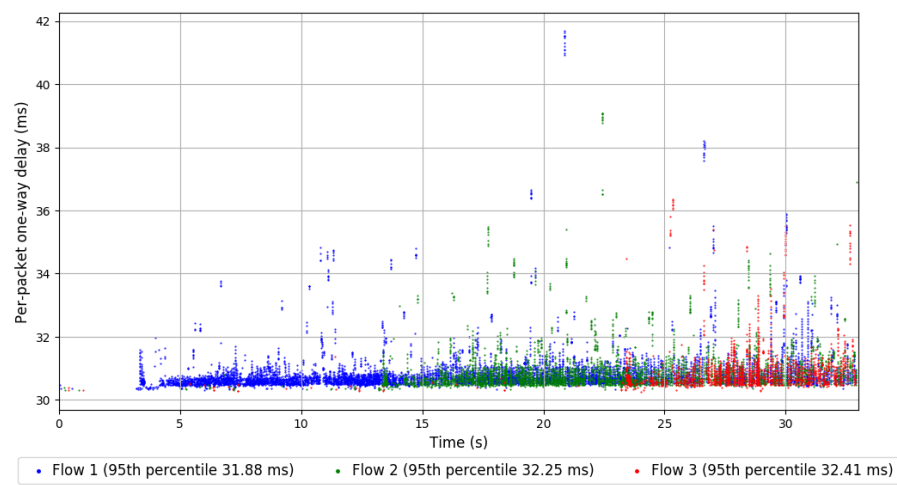
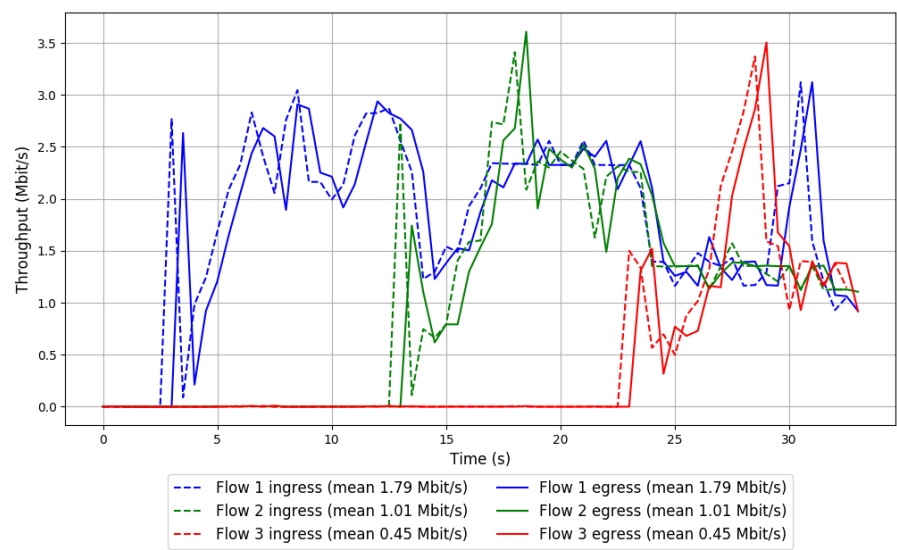
-- Flow 3:

Average throughput: 0.45 Mbit/s

95th percentile per-packet one-way delay: 32.410 ms

Loss rate: 0.78%

Run 4: Report of WebRTC media — Data Link



Run 5: Statistics of WebRTC media

Start at: 2019-09-19 06:06:40

End at: 2019-09-19 06:07:10

Local clock offset: -1.483 ms

Remote clock offset: 7.932 ms

Below is generated by plot.py at 2019-09-19 07:09:22

Datalink statistics

-- Total of 3 flows:

Average throughput: 3.17 Mbit/s

95th percentile per-packet one-way delay: 30.981 ms

Loss rate: 0.17%

-- Flow 1:

Average throughput: 1.77 Mbit/s

95th percentile per-packet one-way delay: 30.951 ms

Loss rate: 0.11%

-- Flow 2:

Average throughput: 0.99 Mbit/s

95th percentile per-packet one-way delay: 30.816 ms

Loss rate: 0.00%

-- Flow 3:

Average throughput: 0.42 Mbit/s

95th percentile per-packet one-way delay: 31.412 ms

Loss rate: 0.82%

Run 5: Report of WebRTC media — Data Link

