

Pantheon Report

Generated at 2019-08-27 03:32:40 (UTC).

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

Repeated the test of 24 congestion control schemes 5 times.

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

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

System info:

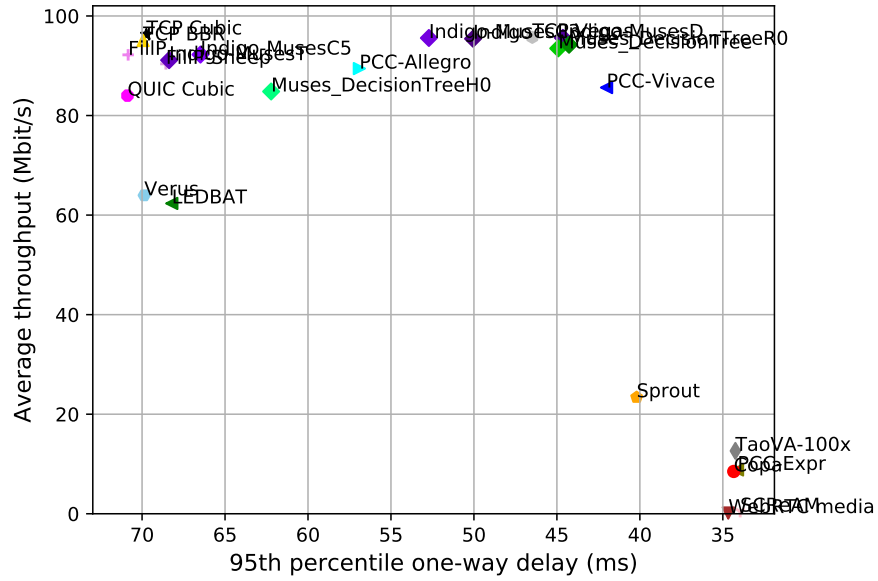
```
Linux 4.15.0-1043-aws
net.core.default_qdisc = fq
net.core.rmem_default = 16777216
net.core.rmem_max = 536870912
net.core.wmem_default = 16777216
net.core.wmem_max = 536870912
net.ipv4.tcp_rmem = 4096 16777216 536870912
net.ipv4.tcp_wmem = 4096 16777216 536870912
```

Git summary:

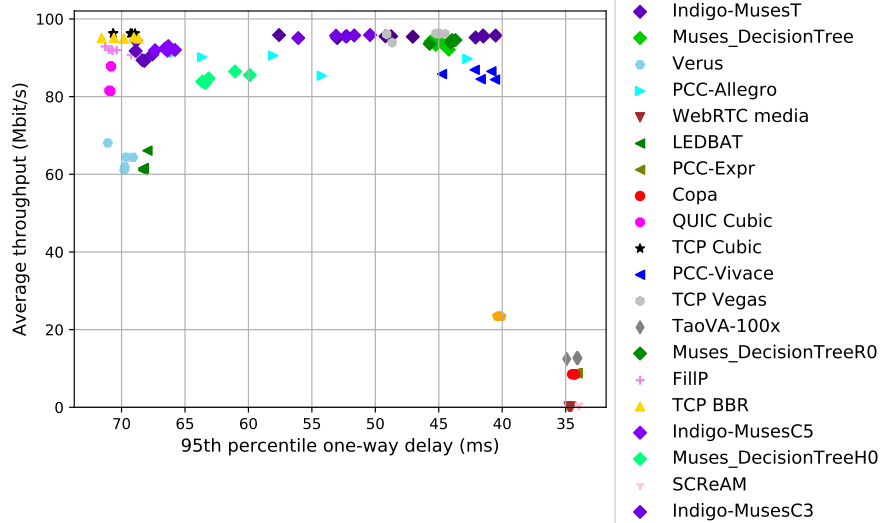
```
branch: muses @ de42328552b3776a75a932a94dfafd722537b0ec
third_party/fillp @ d6da1459332fcee56963885d7eba17e6a32d4519
third_party/fillp-sheep @ 0e5bb722943babcd2b090d2c64fcd45e12e923f9
third_party/genericCC @ d0153f8e594aa89e93b032143cedbdf58e562f4
third_party/indigo @ 2601c92e4aa9d58d38dc4dfe0ecd90c077e64d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

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

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



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



scheme	# runs	mean avg tput (Mbit/s)			mean 95th-%ile delay (ms)			mean loss rate (%)		
		flow 1	flow 2	flow 3	flow 1	flow 2	flow 3	flow 1	flow 2	flow 3
TCP BBR	5	59.85	33.91	38.83	68.92	70.78	71.08	6.48	9.15	10.68
Copa	5	0.00	10.52	4.49	33.95	34.72	34.09	97.77	69.95	76.86
TCP Cubic	5	76.41	19.28	21.22	69.54	70.37	70.09	0.96	0.69	0.95
FillP	5	58.52	41.87	17.74	69.49	72.01	71.54	29.41	46.28	51.45
FillP-Sheep	5	56.66	39.70	22.16	66.92	70.17	69.41	8.92	15.67	15.83
Indigo	5	66.62	28.51	30.37	46.59	53.31	56.53	0.01	0.07	0.03
Indigo-MusesC3	5	56.40	45.66	32.76	48.76	52.74	61.53	0.32	0.52	2.53
Indigo-MusesC5	5	58.68	50.27	4.02	64.66	67.98	69.47	10.27	17.65	26.41
Indigo-MusesD	5	55.76	47.20	32.45	41.03	44.44	46.54	0.04	0.01	0.02
Indigo-MusesT	5	59.84	46.41	4.51	66.71	69.93	69.92	16.60	29.40	28.55
LEDBAT	5	41.26	20.51	22.45	68.44	69.39	54.61	0.17	0.43	0.01
Muses_DecisionTree	5	47.68	37.51	64.62	42.57	45.44	48.38	0.13	0.02	0.43
Muses_DecisionTreeH0	5	61.42	31.97	7.04	60.38	64.81	62.37	4.56	7.66	6.68
Muses_DecisionTreeR0	5	53.77	34.14	55.10	42.90	44.74	48.14	0.15	0.14	0.53
PCC-Allegro	5	79.07	11.31	8.61	56.47	58.54	59.86	1.60	1.34	1.61
PCC-Expr	5	0.03	9.97	6.57	34.00	34.11	34.14	85.71	45.00	42.94
QUIC Cubic	5	63.14	26.32	10.36	70.78	71.05	71.19	2.60	1.30	1.26
SCReAM	5	0.21	0.21	0.22	33.94	33.94	33.94	0.00	0.00	0.00
Sprout	5	11.79	11.75	11.49	40.13	40.20	40.30	0.02	0.01	0.00
TaoVA-100x	5	6.59	7.86	4.17	35.22	34.47	34.00	86.90	85.52	84.80
TCP Vegas	5	77.81	17.25	19.31	46.30	45.94	43.57	0.41	0.00	0.00
Verus	5	43.87	24.94	16.07	69.47	69.57	74.37	28.74	29.25	42.13
PCC-Vivace	5	67.27	21.87	11.54	41.89	42.38	42.72	0.00	0.00	0.00
WebRTC media	5	0.05	0.05	0.05	34.64	34.66	34.70	0.00	0.01	0.00

Run 1: Statistics of TCP BBR

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

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

Local clock offset: -0.849 ms

Remote clock offset: 4.544 ms

Below is generated by plot.py at 2019-08-27 03:19:17

Datalink statistics

-- Total of 3 flows:

Average throughput: 95.26 Mbit/s

95th percentile per-packet one-way delay: 69.024 ms

Loss rate: 7.82%

-- Flow 1:

Average throughput: 60.21 Mbit/s

95th percentile per-packet one-way delay: 68.015 ms

Loss rate: 6.62%

-- Flow 2:

Average throughput: 33.23 Mbit/s

95th percentile per-packet one-way delay: 69.909 ms

Loss rate: 9.90%

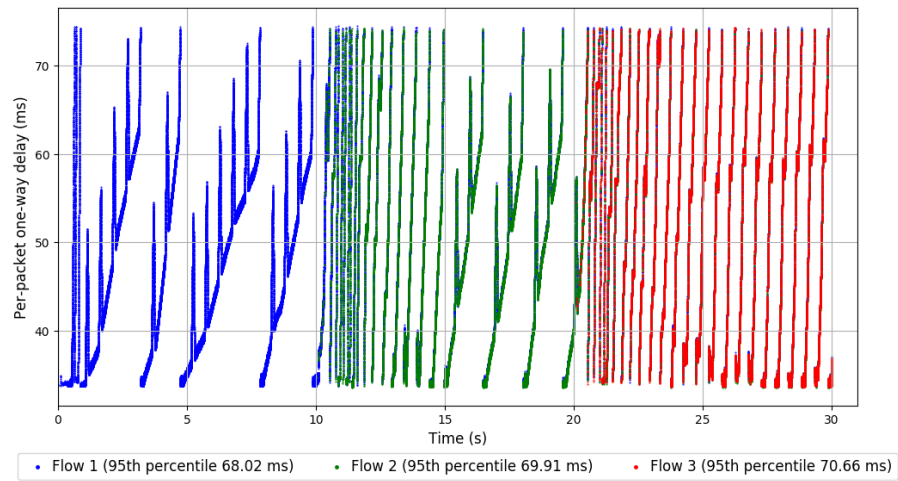
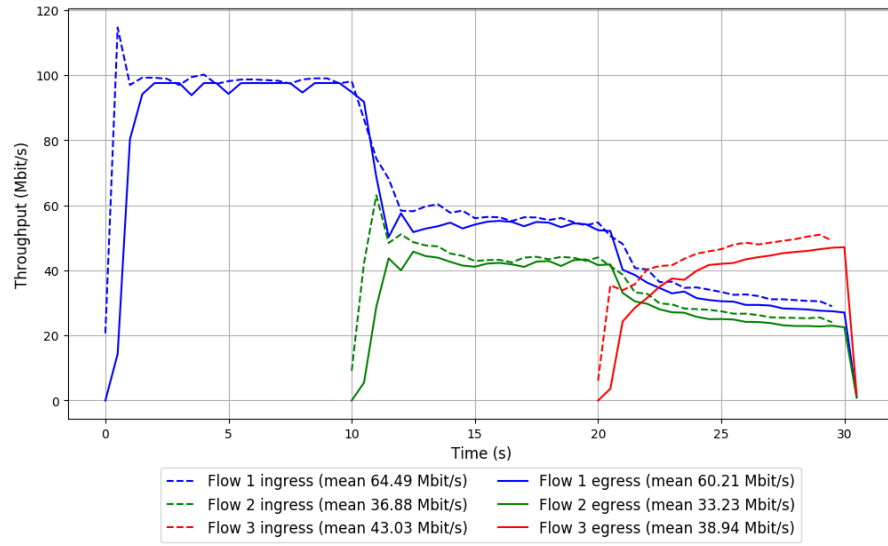
-- Flow 3:

Average throughput: 38.94 Mbit/s

95th percentile per-packet one-way delay: 70.663 ms

Loss rate: 9.66%

Run 1: Report of TCP BBR — Data Link



Run 2: Statistics of TCP BBR

Start at: 2019-08-27 00:29:03

End at: 2019-08-27 00:29:33

Local clock offset: -1.096 ms

Remote clock offset: 4.725 ms

Below is generated by plot.py at 2019-08-27 03:19:17

Datalink statistics

-- Total of 3 flows:

Average throughput: 95.15 Mbit/s

95th percentile per-packet one-way delay: 70.607 ms

Loss rate: 8.72%

-- Flow 1:

Average throughput: 61.05 Mbit/s

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

Loss rate: 6.74%

-- Flow 2:

Average throughput: 28.86 Mbit/s

95th percentile per-packet one-way delay: 71.386 ms

Loss rate: 9.44%

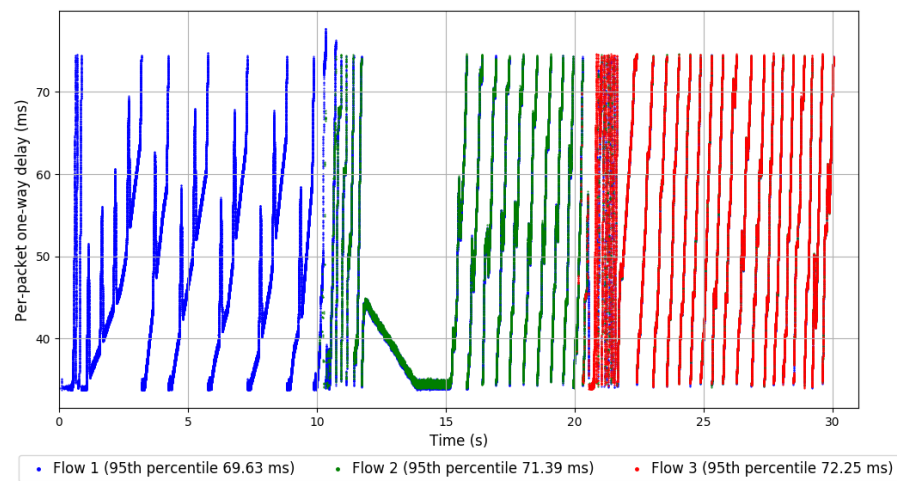
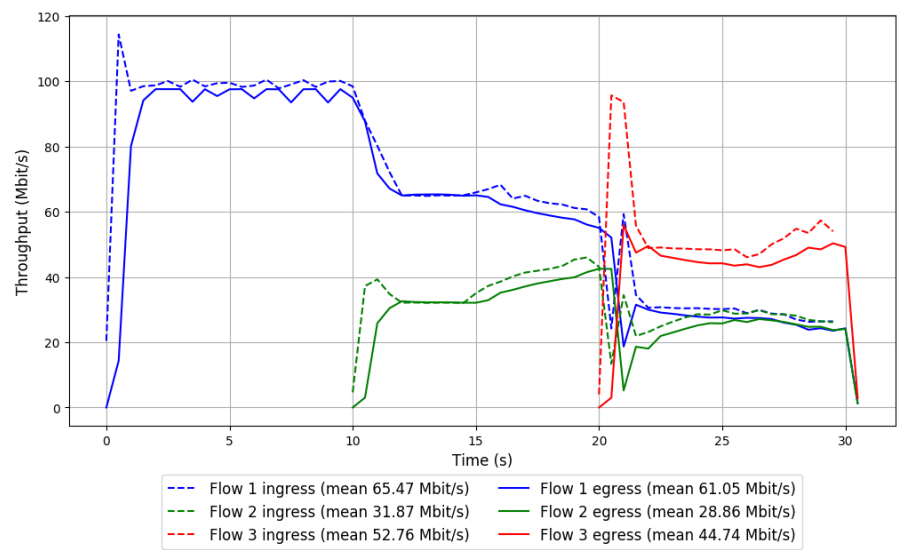
-- Flow 3:

Average throughput: 44.74 Mbit/s

95th percentile per-packet one-way delay: 72.249 ms

Loss rate: 15.21%

Run 2: Report of TCP BBR — Data Link



Run 3: Statistics of TCP BBR

Start at: 2019-08-27 01:21:45

End at: 2019-08-27 01:22:15

Local clock offset: -0.926 ms

Remote clock offset: 6.235 ms

Below is generated by plot.py at 2019-08-27 03:19:17

Datalink statistics

-- Total of 3 flows:

Average throughput: 94.94 Mbit/s

95th percentile per-packet one-way delay: 69.819 ms

Loss rate: 6.64%

-- Flow 1:

Average throughput: 63.11 Mbit/s

95th percentile per-packet one-way delay: 68.441 ms

Loss rate: 5.67%

-- Flow 2:

Average throughput: 30.09 Mbit/s

95th percentile per-packet one-way delay: 70.366 ms

Loss rate: 7.26%

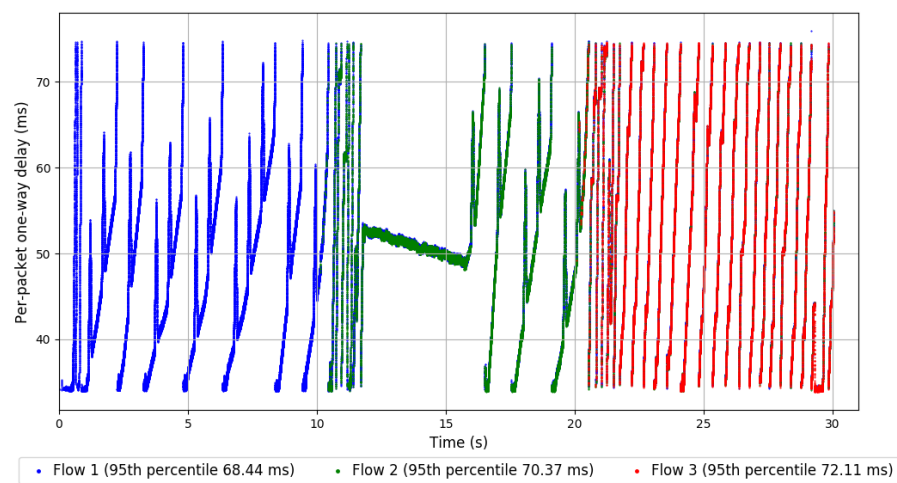
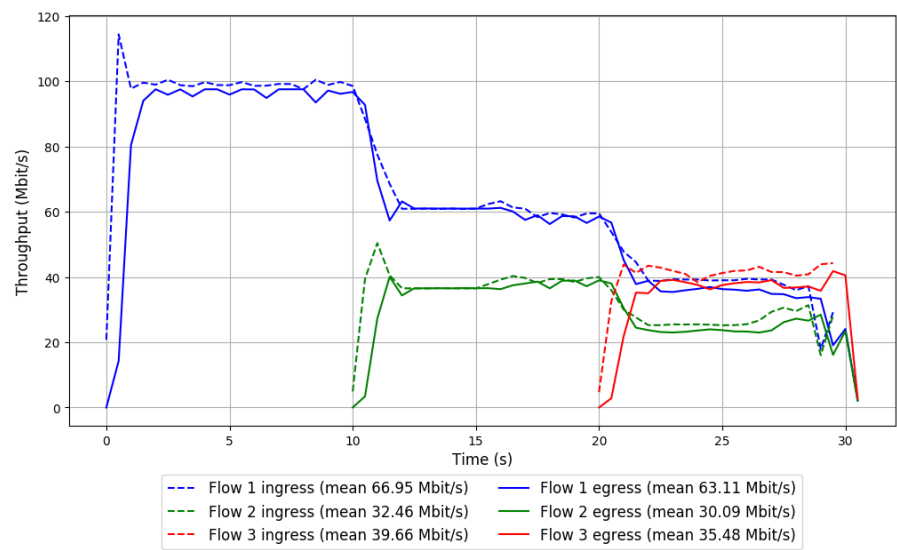
-- Flow 3:

Average throughput: 35.48 Mbit/s

95th percentile per-packet one-way delay: 72.110 ms

Loss rate: 10.49%

Run 3: Report of TCP BBR — Data Link



Run 4: Statistics of TCP BBR

Start at: 2019-08-27 02:09:43

End at: 2019-08-27 02:10:13

Local clock offset: -0.917 ms

Remote clock offset: 3.117 ms

Below is generated by plot.py at 2019-08-27 03:19:17

Datalink statistics

-- Total of 3 flows:

Average throughput: 94.98 Mbit/s

95th percentile per-packet one-way delay: 68.666 ms

Loss rate: 6.53%

-- Flow 1:

Average throughput: 59.86 Mbit/s

95th percentile per-packet one-way delay: 68.113 ms

Loss rate: 6.04%

-- Flow 2:

Average throughput: 36.19 Mbit/s

95th percentile per-packet one-way delay: 69.613 ms

Loss rate: 7.84%

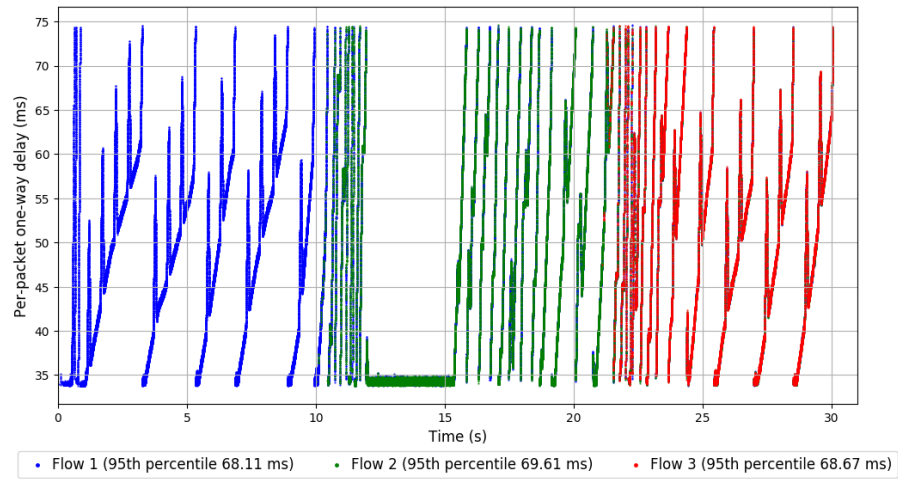
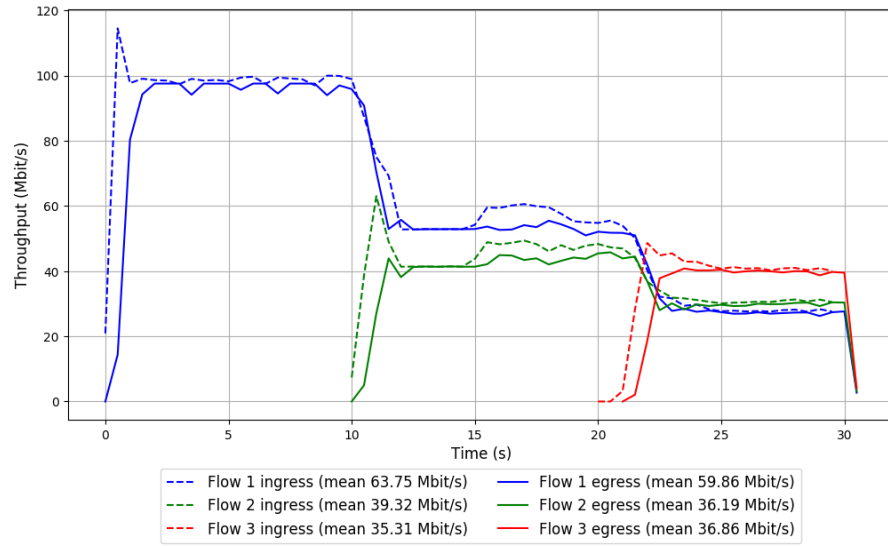
-- Flow 3:

Average throughput: 36.86 Mbit/s

95th percentile per-packet one-way delay: 68.670 ms

Loss rate: 6.26%

Run 4: Report of TCP BBR — Data Link



Run 5: Statistics of TCP BBR

Start at: 2019-08-27 03:00:25

End at: 2019-08-27 03:00:55

Local clock offset: -1.332 ms

Remote clock offset: 4.348 ms

Below is generated by plot.py at 2019-08-27 03:19:17

Datalink statistics

-- Total of 3 flows:

Average throughput: 95.09 Mbit/s

95th percentile per-packet one-way delay: 71.570 ms

Loss rate: 9.13%

-- Flow 1:

Average throughput: 55.00 Mbit/s

95th percentile per-packet one-way delay: 70.398 ms

Loss rate: 7.35%

-- Flow 2:

Average throughput: 41.17 Mbit/s

95th percentile per-packet one-way delay: 72.629 ms

Loss rate: 11.33%

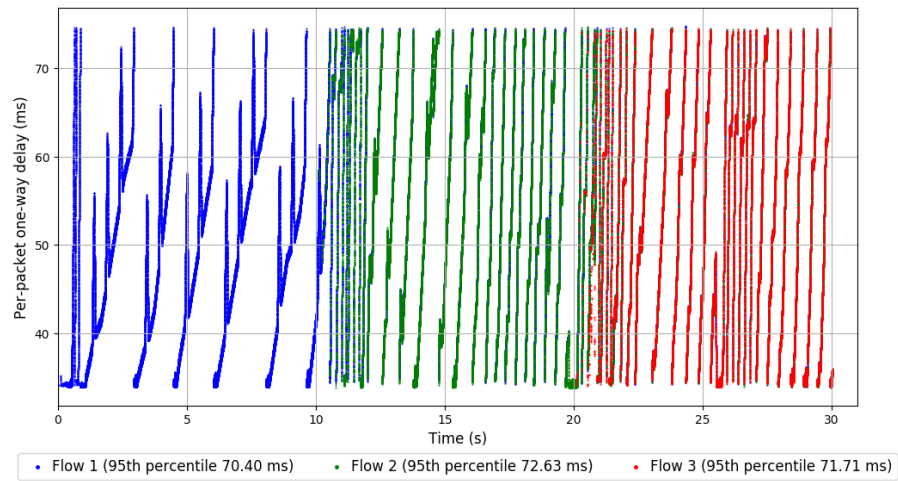
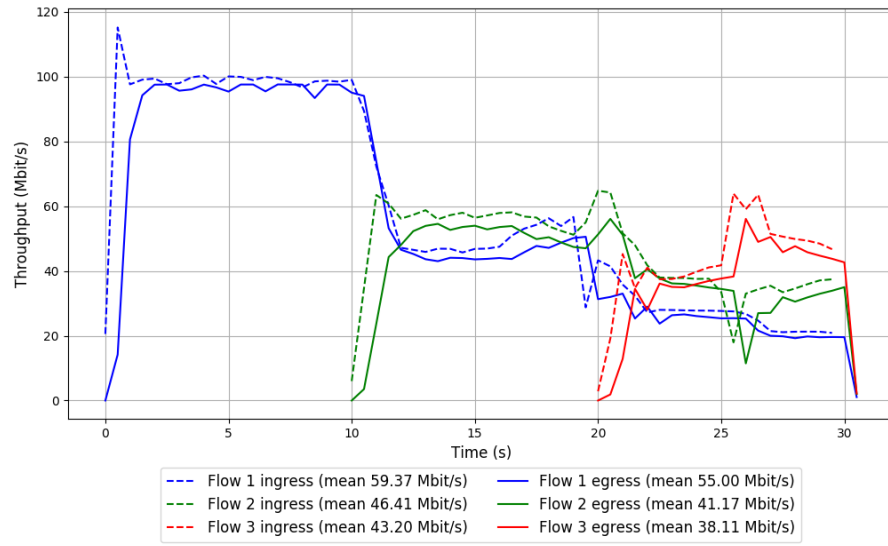
-- Flow 3:

Average throughput: 38.11 Mbit/s

95th percentile per-packet one-way delay: 71.712 ms

Loss rate: 11.77%

Run 5: Report of TCP BBR — Data Link



Run 1: Statistics of Copa

Start at: 2019-08-26 23:22:24

End at: 2019-08-26 23:22:54

Local clock offset: -0.64 ms

Remote clock offset: 4.641 ms

Below is generated by plot.py at 2019-08-27 03:19:17

Datalink statistics

-- Total of 3 flows:

Average throughput: 8.50 Mbit/s

95th percentile per-packet one-way delay: 34.310 ms

Loss rate: 71.15%

-- Flow 1:

Average throughput: 0.00 Mbit/s

95th percentile per-packet one-way delay: 33.892 ms

Loss rate: 97.92%

-- Flow 2:

Average throughput: 9.89 Mbit/s

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

Loss rate: 70.99%

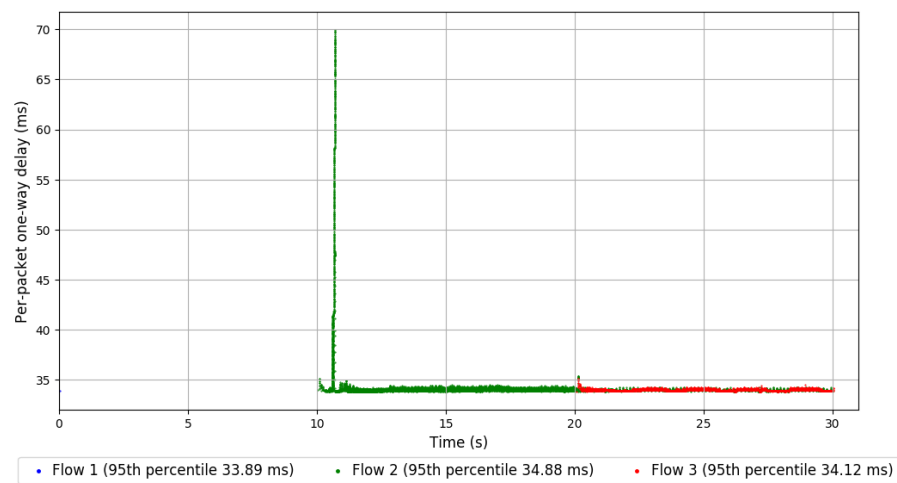
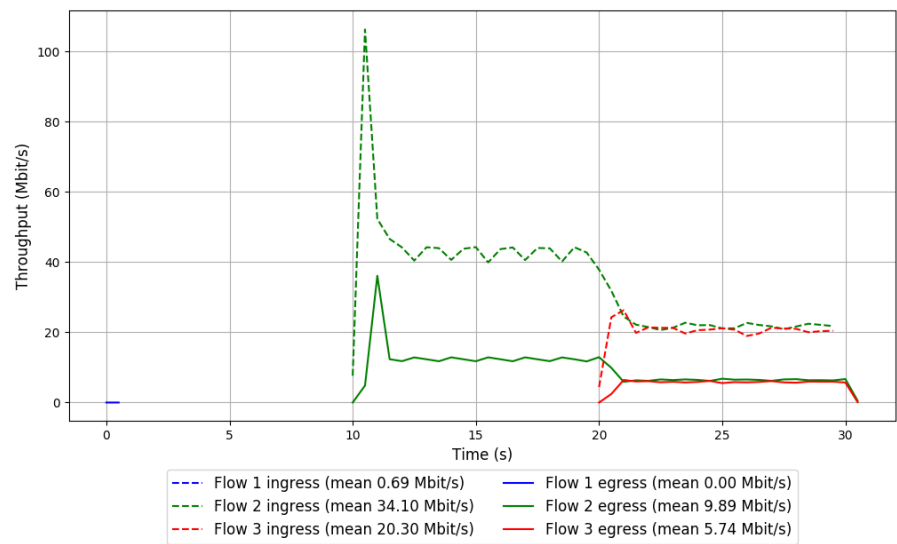
-- Flow 3:

Average throughput: 5.74 Mbit/s

95th percentile per-packet one-way delay: 34.118 ms

Loss rate: 71.70%

Run 1: Report of Copa — Data Link



Run 2: Statistics of Copa

Start at: 2019-08-27 00:08:26

End at: 2019-08-27 00:08:56

Local clock offset: -1.056 ms

Remote clock offset: 6.337 ms

Below is generated by plot.py at 2019-08-27 03:19:17

Datalink statistics

-- Total of 3 flows:

Average throughput: 8.50 Mbit/s

95th percentile per-packet one-way delay: 34.321 ms

Loss rate: 72.77%

-- Flow 1:

Average throughput: 0.00 Mbit/s

95th percentile per-packet one-way delay: 33.927 ms

Loss rate: 98.33%

-- Flow 2:

Average throughput: 9.84 Mbit/s

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

Loss rate: 71.88%

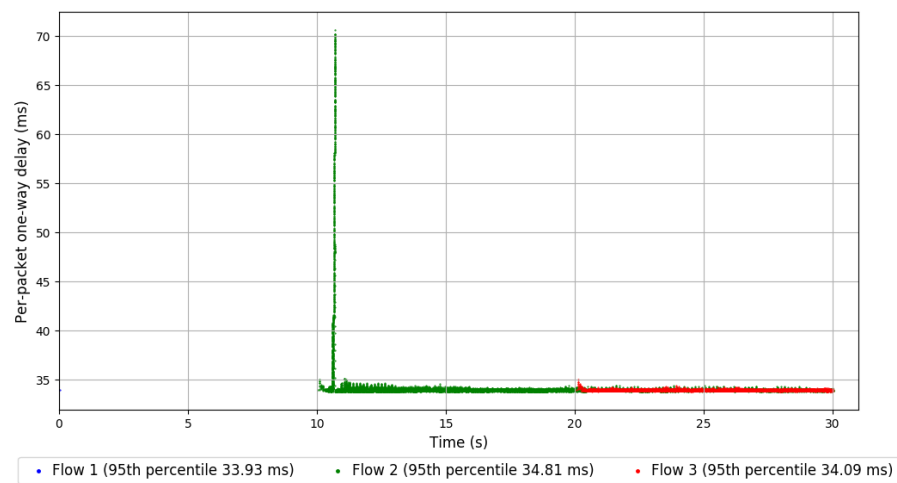
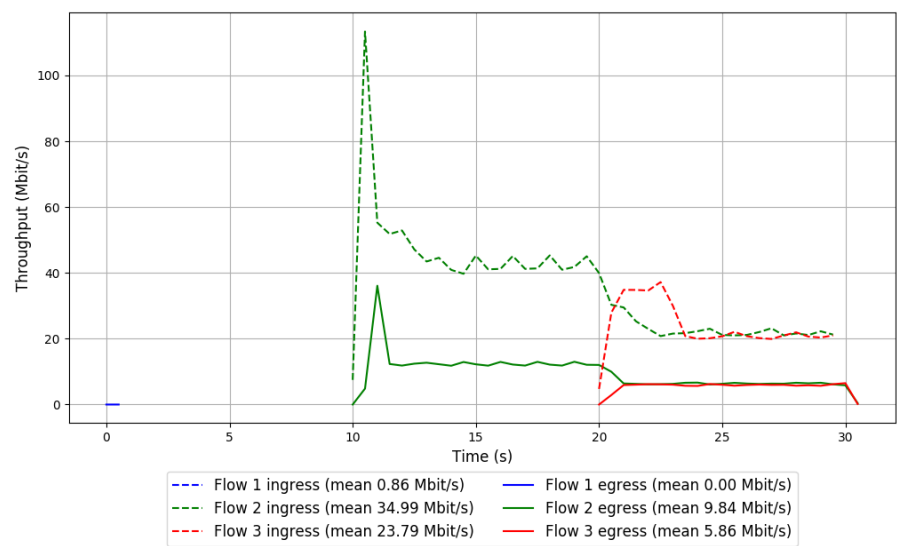
-- Flow 3:

Average throughput: 5.86 Mbit/s

95th percentile per-packet one-way delay: 34.085 ms

Loss rate: 75.38%

Run 2: Report of Copa — Data Link



Run 3: Statistics of Copa

Start at: 2019-08-27 00:58:32

End at: 2019-08-27 00:59:02

Local clock offset: -1.055 ms

Remote clock offset: 5.168 ms

Below is generated by plot.py at 2019-08-27 03:19:17

Datalink statistics

-- Total of 3 flows:

Average throughput: 8.50 Mbit/s

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

Loss rate: 70.18%

-- Flow 1:

Average throughput: 0.00 Mbit/s

95th percentile per-packet one-way delay: 33.938 ms

Loss rate: 95.92%

-- Flow 2:

Average throughput: 10.47 Mbit/s

95th percentile per-packet one-way delay: 34.456 ms

Loss rate: 69.80%

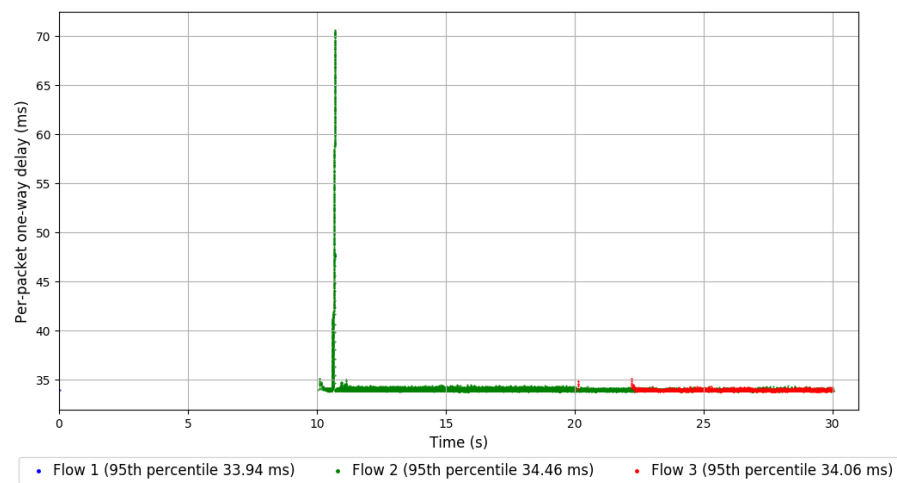
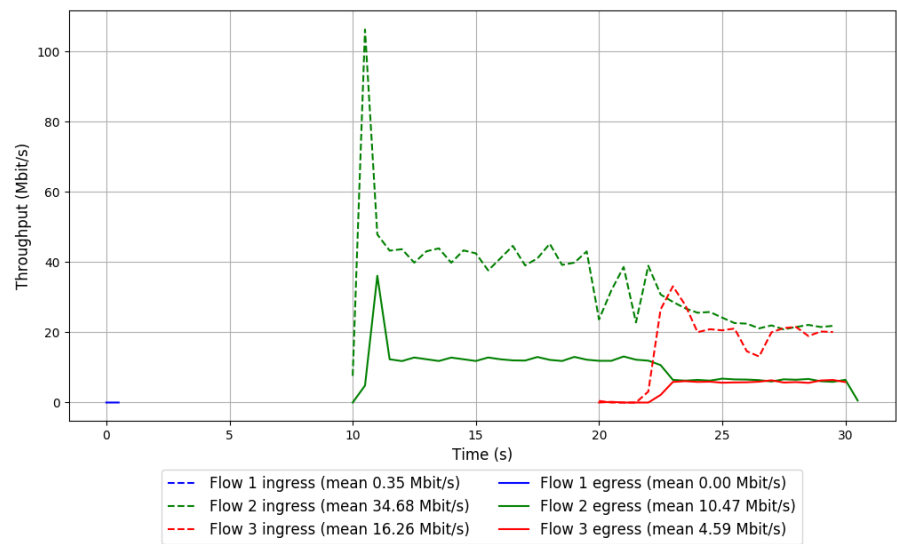
-- Flow 3:

Average throughput: 4.59 Mbit/s

95th percentile per-packet one-way delay: 34.061 ms

Loss rate: 71.78%

Run 3: Report of Copa — Data Link



Run 4: Statistics of Copa

Start at: 2019-08-27 01:52:02

End at: 2019-08-27 01:52:32

Local clock offset: -0.866 ms

Remote clock offset: 3.279 ms

Below is generated by plot.py at 2019-08-27 03:19:17

Datalink statistics

-- Total of 3 flows:

Average throughput: 8.50 Mbit/s

95th percentile per-packet one-way delay: 34.497 ms

Loss rate: 68.36%

-- Flow 1:

Average throughput: 0.00 Mbit/s

95th percentile per-packet one-way delay: 33.962 ms

Loss rate: 98.33%

-- Flow 2:

Average throughput: 12.76 Mbit/s

95th percentile per-packet one-way delay: 34.497 ms

Loss rate: 68.33%

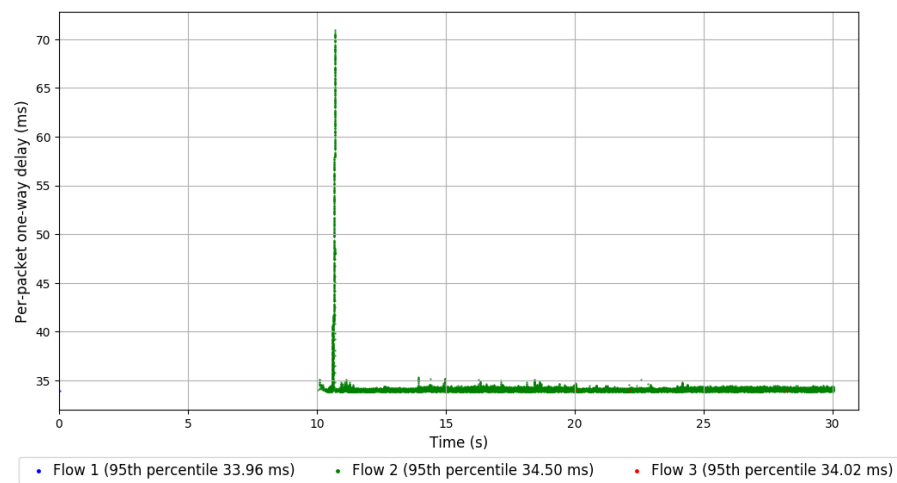
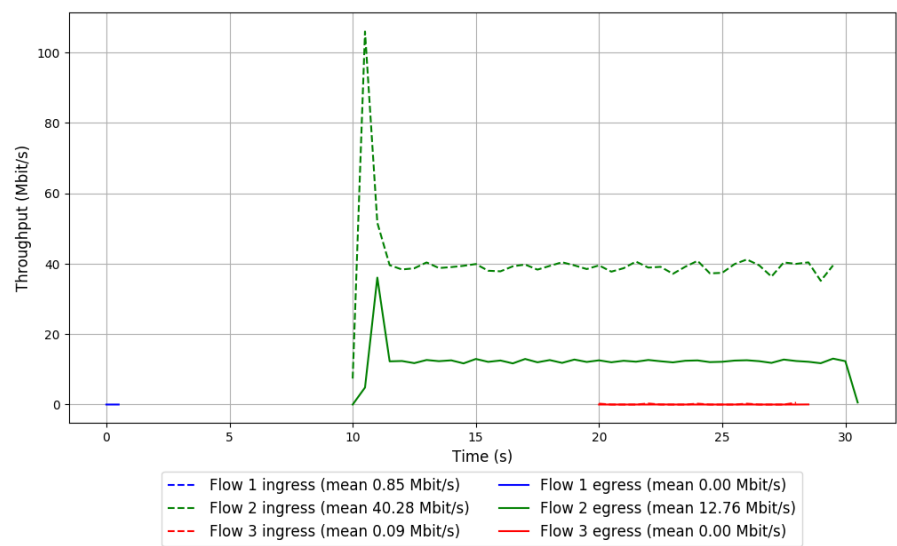
-- Flow 3:

Average throughput: 0.00 Mbit/s

95th percentile per-packet one-way delay: 34.019 ms

Loss rate: 96.69%

Run 4: Report of Copa — Data Link



Run 5: Statistics of Copa

Start at: 2019-08-27 02:35:46

End at: 2019-08-27 02:36:16

Local clock offset: -1.173 ms

Remote clock offset: 3.846 ms

Below is generated by plot.py at 2019-08-27 03:19:17

Datalink statistics

-- Total of 3 flows:

Average throughput: 8.50 Mbit/s

95th percentile per-packet one-way delay: 34.326 ms

Loss rate: 68.74%

-- Flow 1:

Average throughput: 0.00 Mbit/s

95th percentile per-packet one-way delay: 34.047 ms

Loss rate: 98.33%

-- Flow 2:

Average throughput: 9.64 Mbit/s

95th percentile per-packet one-way delay: 34.958 ms

Loss rate: 68.74%

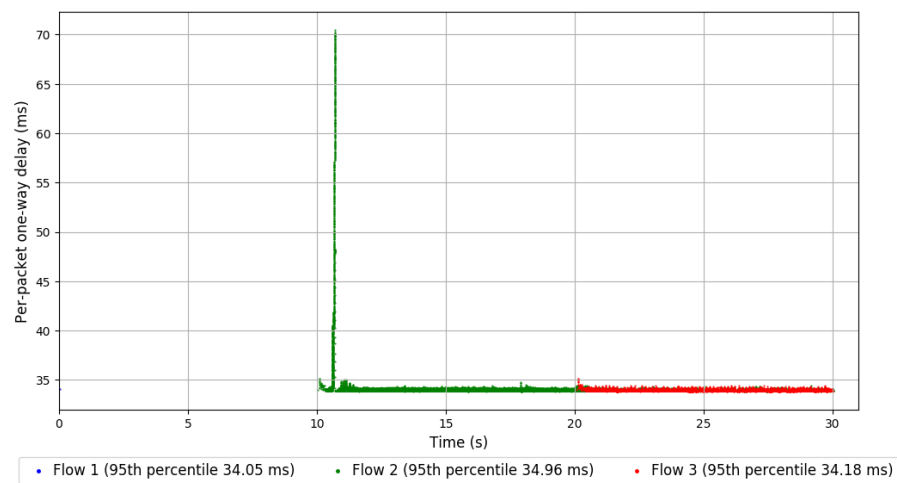
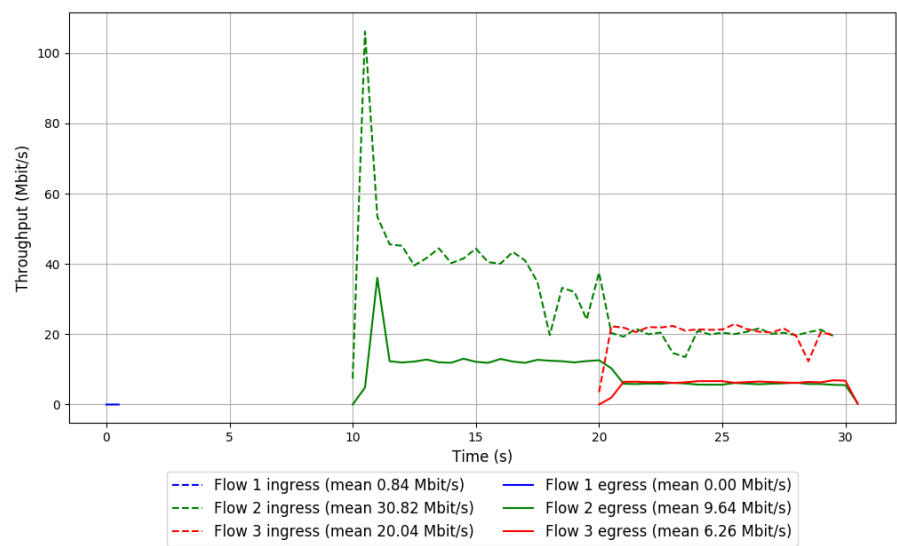
-- Flow 3:

Average throughput: 6.26 Mbit/s

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

Loss rate: 68.75%

Run 5: Report of Copa — Data Link



Run 1: Statistics of TCP Cubic

Start at: 2019-08-26 23:31:30

End at: 2019-08-26 23:32:00

Local clock offset: -0.763 ms

Remote clock offset: 4.422 ms

Below is generated by plot.py at 2019-08-27 03:19:30

Datalink statistics

-- Total of 3 flows:

Average throughput: 96.30 Mbit/s

95th percentile per-packet one-way delay: 70.672 ms

Loss rate: 0.84%

-- Flow 1:

Average throughput: 73.80 Mbit/s

95th percentile per-packet one-way delay: 70.751 ms

Loss rate: 0.86%

-- Flow 2:

Average throughput: 24.27 Mbit/s

95th percentile per-packet one-way delay: 70.233 ms

Loss rate: 0.71%

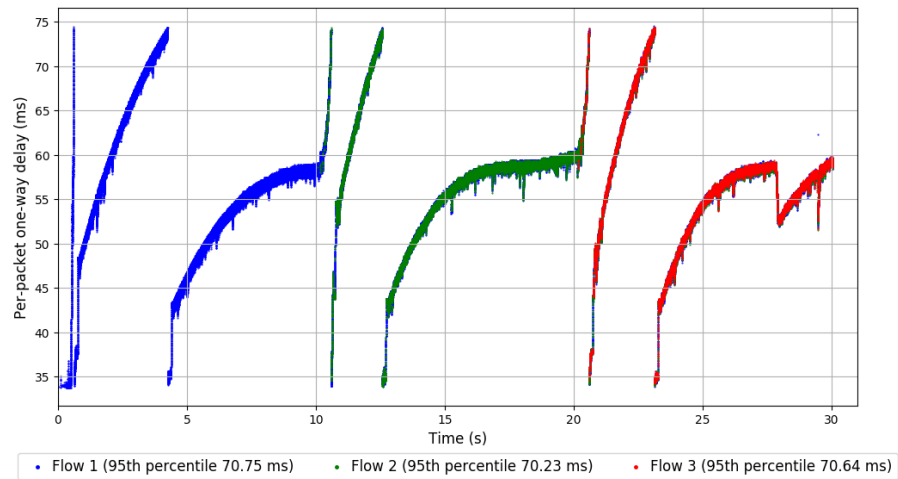
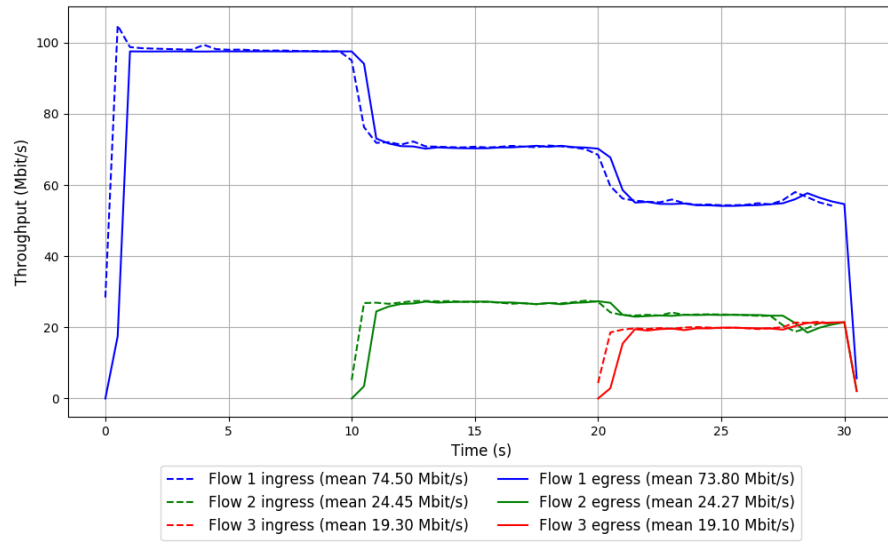
-- Flow 3:

Average throughput: 19.10 Mbit/s

95th percentile per-packet one-way delay: 70.641 ms

Loss rate: 1.05%

Run 1: Report of TCP Cubic — Data Link



Run 2: Statistics of TCP Cubic

Start at: 2019-08-27 00:17:45

End at: 2019-08-27 00:18:15

Local clock offset: -1.092 ms

Remote clock offset: 6.202 ms

Below is generated by plot.py at 2019-08-27 03:19:38

Datalink statistics

-- Total of 3 flows:

Average throughput: 96.28 Mbit/s

95th percentile per-packet one-way delay: 69.294 ms

Loss rate: 0.98%

-- Flow 1:

Average throughput: 78.21 Mbit/s

95th percentile per-packet one-way delay: 68.838 ms

Loss rate: 1.03%

-- Flow 2:

Average throughput: 16.28 Mbit/s

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

Loss rate: 0.66%

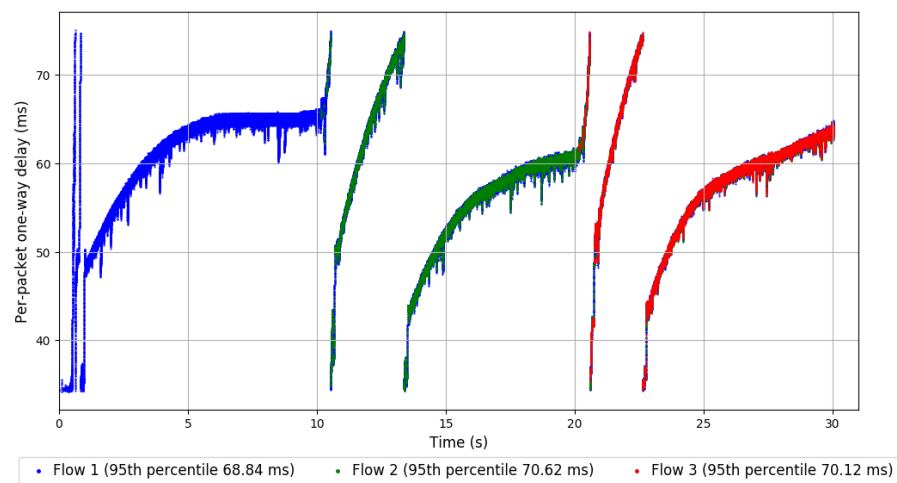
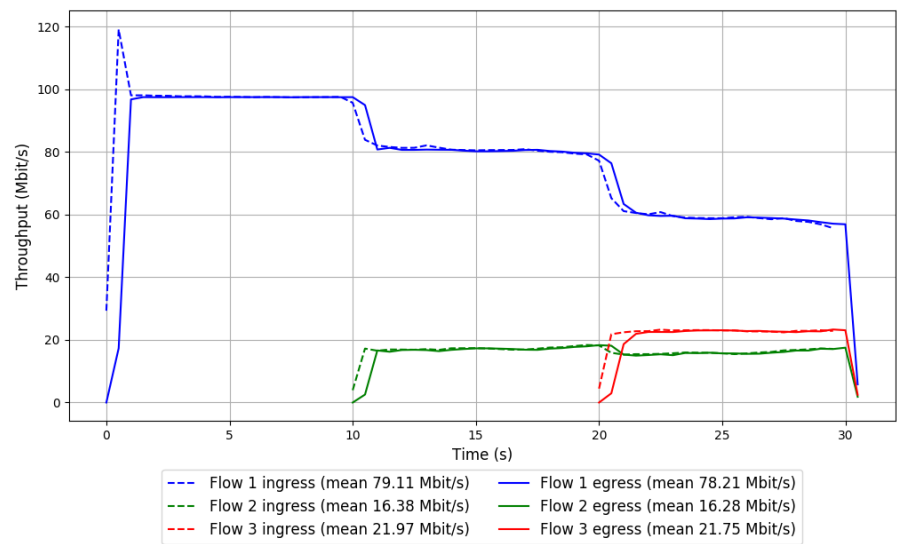
-- Flow 3:

Average throughput: 21.75 Mbit/s

95th percentile per-packet one-way delay: 70.121 ms

Loss rate: 0.97%

Run 2: Report of TCP Cubic — Data Link



Run 3: Statistics of TCP Cubic

Start at: 2019-08-27 01:10:26

End at: 2019-08-27 01:10:56

Local clock offset: -0.934 ms

Remote clock offset: 6.0 ms

Below is generated by plot.py at 2019-08-27 03:19:38

Datalink statistics

-- Total of 3 flows:

Average throughput: 96.29 Mbit/s

95th percentile per-packet one-way delay: 69.173 ms

Loss rate: 0.98%

-- Flow 1:

Average throughput: 78.72 Mbit/s

95th percentile per-packet one-way delay: 68.865 ms

Loss rate: 1.03%

-- Flow 2:

Average throughput: 15.67 Mbit/s

95th percentile per-packet one-way delay: 70.725 ms

Loss rate: 0.66%

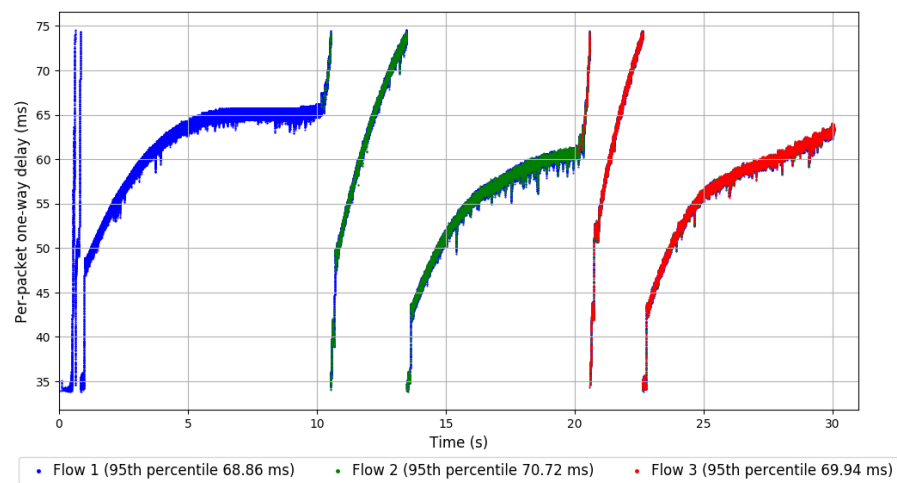
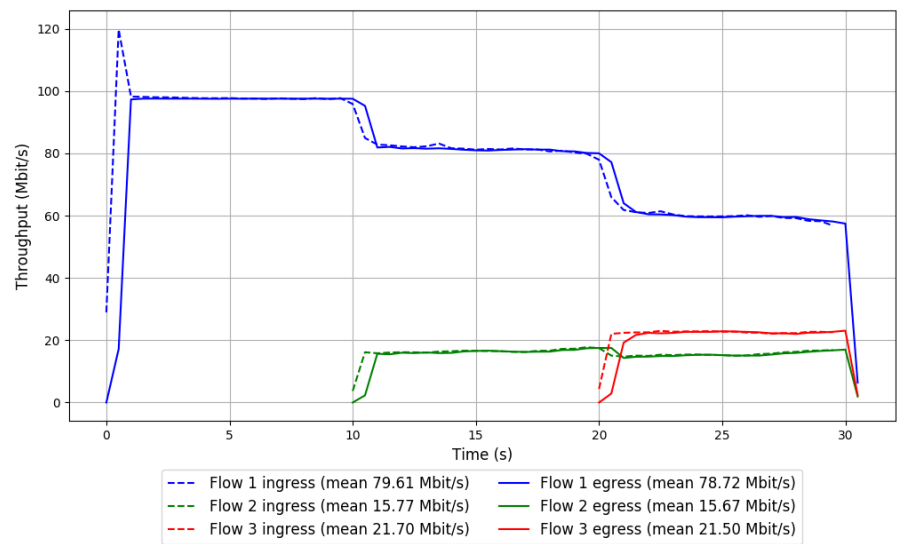
-- Flow 3:

Average throughput: 21.50 Mbit/s

95th percentile per-packet one-way delay: 69.940 ms

Loss rate: 0.91%

Run 3: Report of TCP Cubic — Data Link



Run 4: Statistics of TCP Cubic

Start at: 2019-08-27 02:00:28

End at: 2019-08-27 02:00:58

Local clock offset: -0.886 ms

Remote clock offset: 3.12 ms

Below is generated by plot.py at 2019-08-27 03:20:18

Datalink statistics

-- Total of 3 flows:

Average throughput: 96.29 Mbit/s

95th percentile per-packet one-way delay: 68.934 ms

Loss rate: 0.98%

-- Flow 1:

Average throughput: 78.37 Mbit/s

95th percentile per-packet one-way delay: 68.474 ms

Loss rate: 1.03%

-- Flow 2:

Average throughput: 16.14 Mbit/s

95th percentile per-packet one-way delay: 70.374 ms

Loss rate: 0.68%

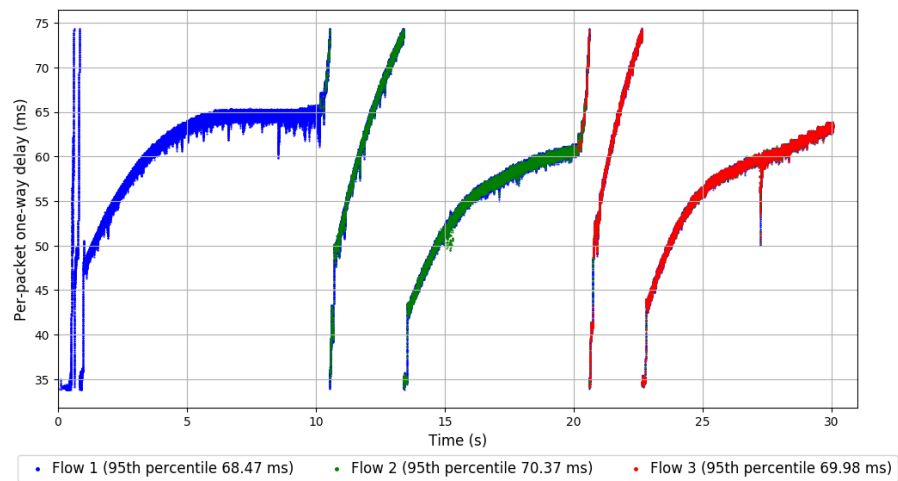
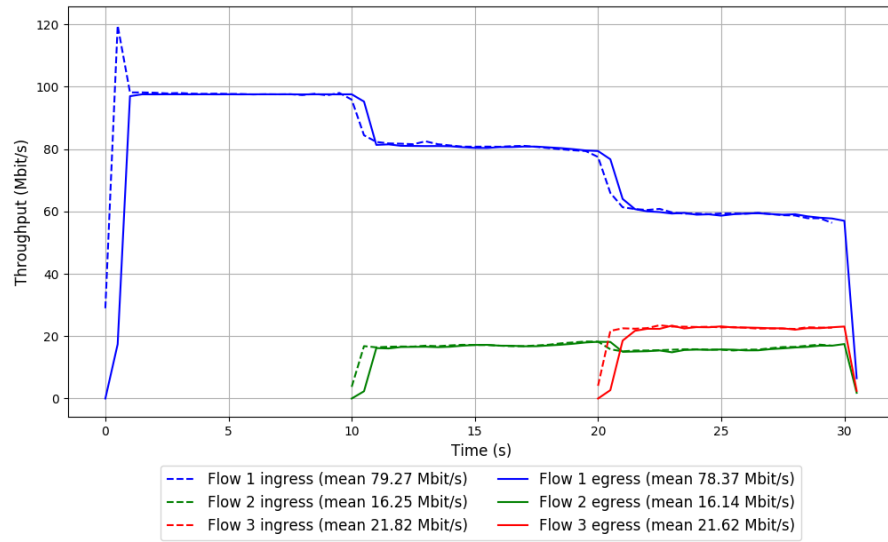
-- Flow 3:

Average throughput: 21.62 Mbit/s

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

Loss rate: 0.89%

Run 4: Report of TCP Cubic — Data Link

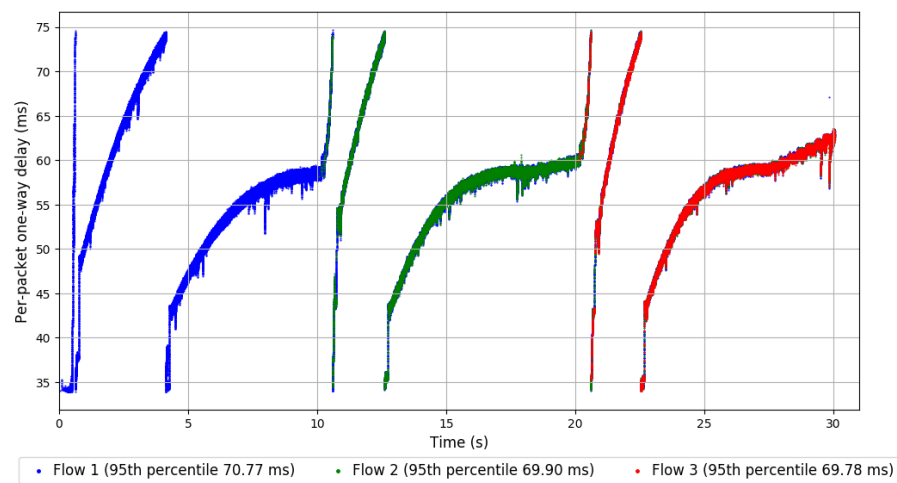
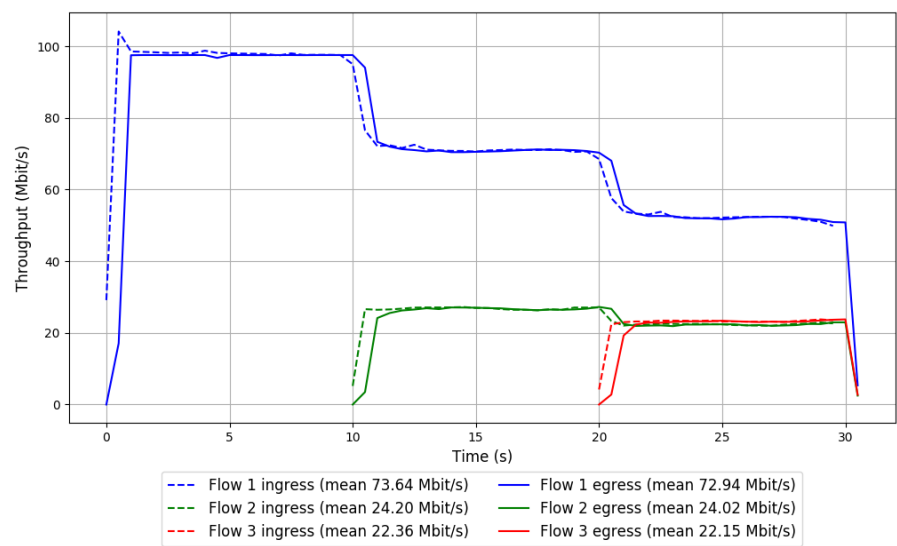


Run 5: Statistics of TCP Cubic

Start at: 2019-08-27 02:48:12
End at: 2019-08-27 02:48:42
Local clock offset: -1.258 ms
Remote clock offset: 4.334 ms

Below is generated by plot.py at 2019-08-27 03:20:19
Datalink statistics
-- Total of 3 flows:
Average throughput: 96.28 Mbit/s
95th percentile per-packet one-way delay: 70.643 ms
Loss rate: 0.85%
-- Flow 1:
Average throughput: 72.94 Mbit/s
95th percentile per-packet one-way delay: 70.772 ms
Loss rate: 0.86%
-- Flow 2:
Average throughput: 24.02 Mbit/s
95th percentile per-packet one-way delay: 69.897 ms
Loss rate: 0.74%
-- Flow 3:
Average throughput: 22.15 Mbit/s
95th percentile per-packet one-way delay: 69.784 ms
Loss rate: 0.92%

Run 5: Report of TCP Cubic — Data Link



Run 1: Statistics of FillP

Start at: 2019-08-26 23:17:45

End at: 2019-08-26 23:18:15

Local clock offset: -0.623 ms

Remote clock offset: 4.646 ms

Below is generated by plot.py at 2019-08-27 03:20:50

Datalink statistics

-- Total of 3 flows:

Average throughput: 91.81 Mbit/s

95th percentile per-packet one-way delay: 70.708 ms

Loss rate: 36.76%

-- Flow 1:

Average throughput: 57.46 Mbit/s

95th percentile per-packet one-way delay: 69.632 ms

Loss rate: 29.62%

-- Flow 2:

Average throughput: 44.87 Mbit/s

95th percentile per-packet one-way delay: 71.757 ms

Loss rate: 45.11%

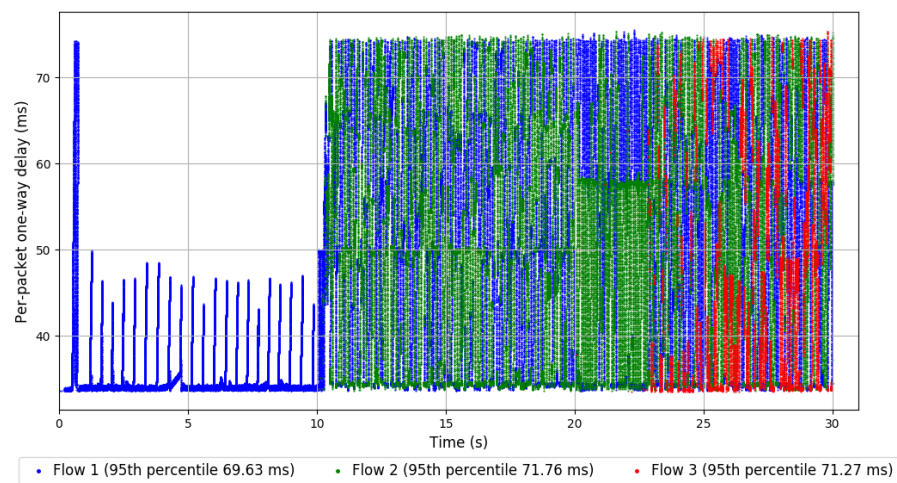
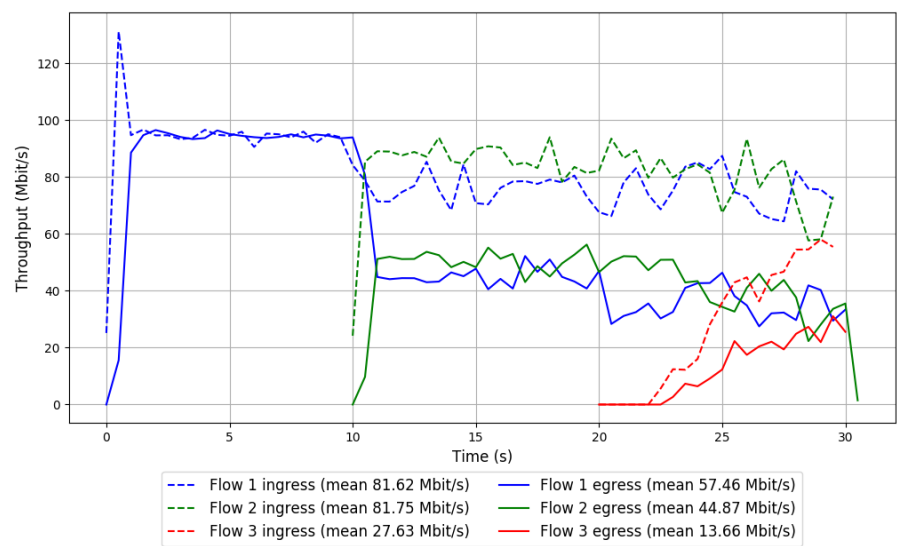
-- Flow 3:

Average throughput: 13.66 Mbit/s

95th percentile per-packet one-way delay: 71.271 ms

Loss rate: 50.76%

Run 1: Report of FillP — Data Link



Run 2: Statistics of FillP

Start at: 2019-08-27 00:03:10

End at: 2019-08-27 00:03:40

Local clock offset: -1.058 ms

Remote clock offset: 6.469 ms

Below is generated by plot.py at 2019-08-27 03:20:56

Datalink statistics

-- Total of 3 flows:

Average throughput: 92.93 Mbit/s

95th percentile per-packet one-way delay: 71.290 ms

Loss rate: 38.37%

-- Flow 1:

Average throughput: 59.90 Mbit/s

95th percentile per-packet one-way delay: 70.054 ms

Loss rate: 29.40%

-- Flow 2:

Average throughput: 38.27 Mbit/s

95th percentile per-packet one-way delay: 72.184 ms

Loss rate: 47.26%

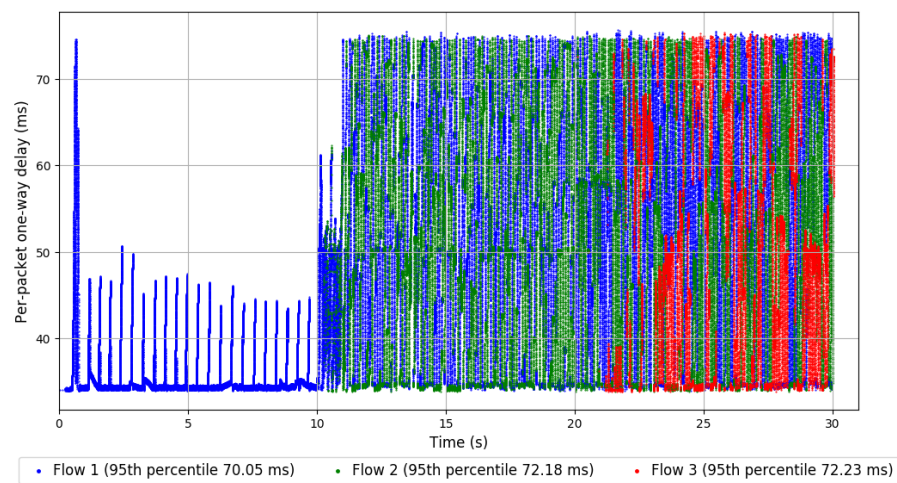
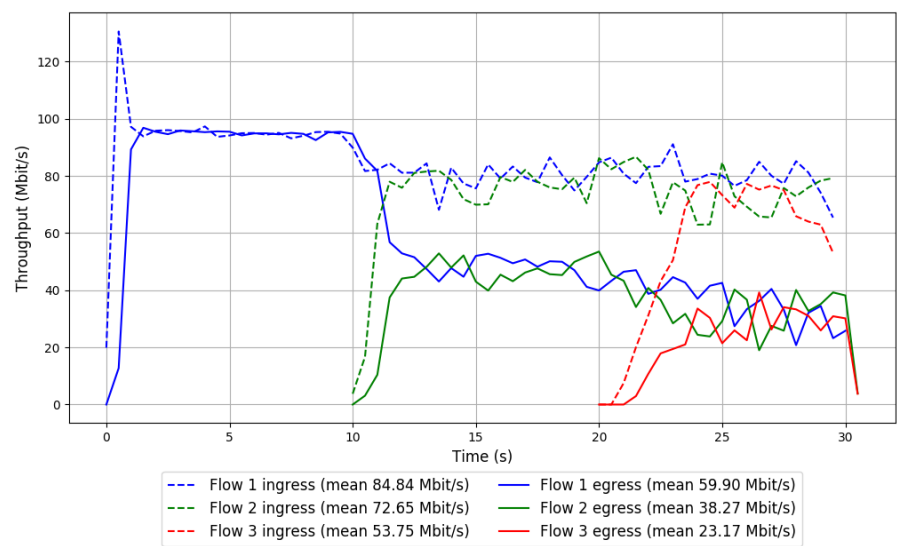
-- Flow 3:

Average throughput: 23.17 Mbit/s

95th percentile per-packet one-way delay: 72.229 ms

Loss rate: 56.89%

Run 2: Report of FillP — Data Link



Run 3: Statistics of FillP

Start at: 2019-08-27 00:53:13

End at: 2019-08-27 00:53:43

Local clock offset: -1.097 ms

Remote clock offset: 4.677 ms

Below is generated by plot.py at 2019-08-27 03:20:56

Datalink statistics

-- Total of 3 flows:

Average throughput: 92.14 Mbit/s

95th percentile per-packet one-way delay: 70.794 ms

Loss rate: 39.86%

-- Flow 1:

Average throughput: 57.40 Mbit/s

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

Loss rate: 30.80%

-- Flow 2:

Average throughput: 39.49 Mbit/s

95th percentile per-packet one-way delay: 72.362 ms

Loss rate: 48.99%

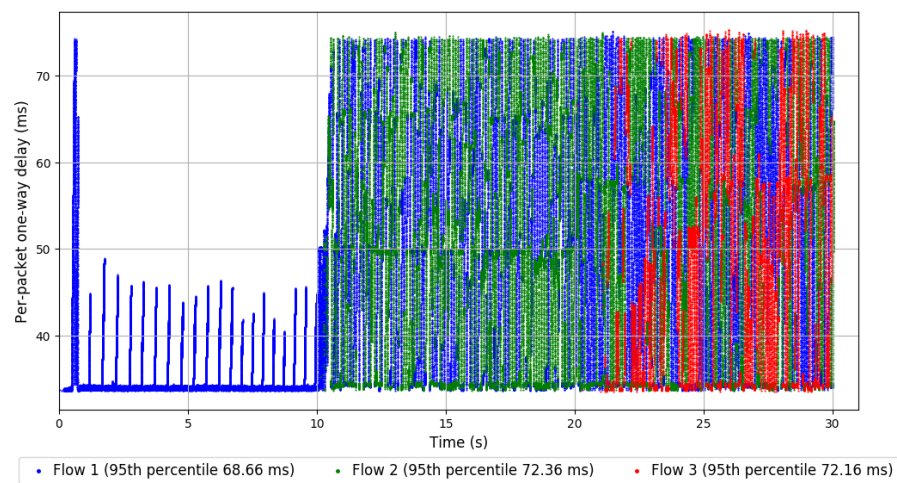
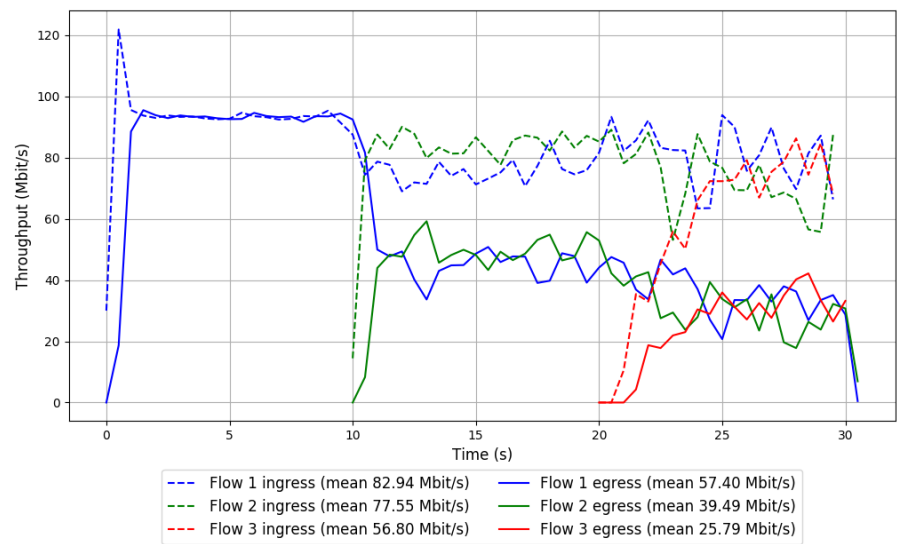
-- Flow 3:

Average throughput: 25.79 Mbit/s

95th percentile per-packet one-way delay: 72.160 ms

Loss rate: 54.76%

Run 3: Report of FillP — Data Link

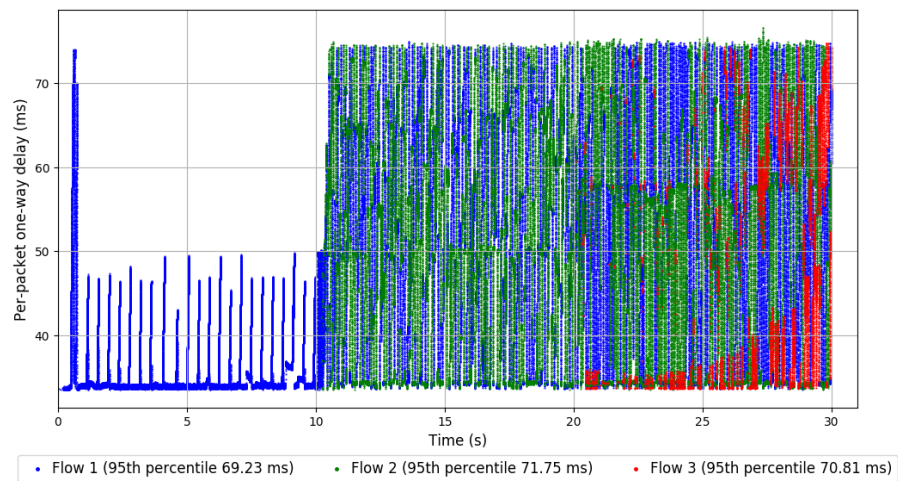
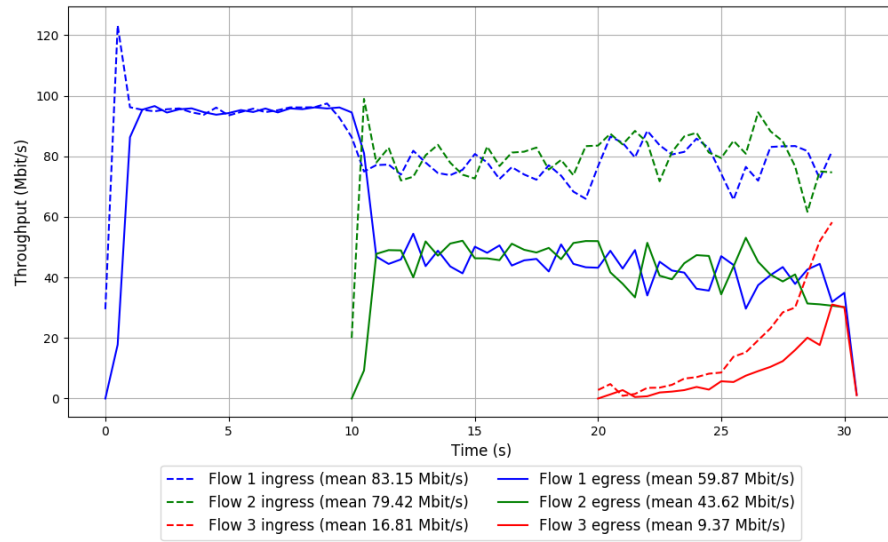


Run 4: Statistics of FillP

Start at: 2019-08-27 01:47:35
End at: 2019-08-27 01:48:05
Local clock offset: -0.861 ms
Remote clock offset: 3.344 ms

```
# Below is generated by plot.py at 2019-08-27 03:21:04
# Datalink statistics
-- Total of 3 flows:
Average throughput: 91.97 Mbit/s
95th percentile per-packet one-way delay: 70.385 ms
Loss rate: 35.03%
-- Flow 1:
Average throughput: 59.87 Mbit/s
95th percentile per-packet one-way delay: 69.234 ms
Loss rate: 27.99%
-- Flow 2:
Average throughput: 43.62 Mbit/s
95th percentile per-packet one-way delay: 71.750 ms
Loss rate: 45.12%
-- Flow 3:
Average throughput: 9.37 Mbit/s
95th percentile per-packet one-way delay: 70.811 ms
Loss rate: 44.26%
```

Run 4: Report of FillP — Data Link



Run 5: Statistics of FillP

Start at: 2019-08-27 02:30:01

End at: 2019-08-27 02:30:31

Local clock offset: -1.168 ms

Remote clock offset: 3.108 ms

Below is generated by plot.py at 2019-08-27 03:21:15

Datalink statistics

-- Total of 3 flows:

Average throughput: 92.10 Mbit/s

95th percentile per-packet one-way delay: 71.017 ms

Loss rate: 36.52%

-- Flow 1:

Average throughput: 57.95 Mbit/s

95th percentile per-packet one-way delay: 69.877 ms

Loss rate: 29.25%

-- Flow 2:

Average throughput: 43.11 Mbit/s

95th percentile per-packet one-way delay: 72.016 ms

Loss rate: 44.92%

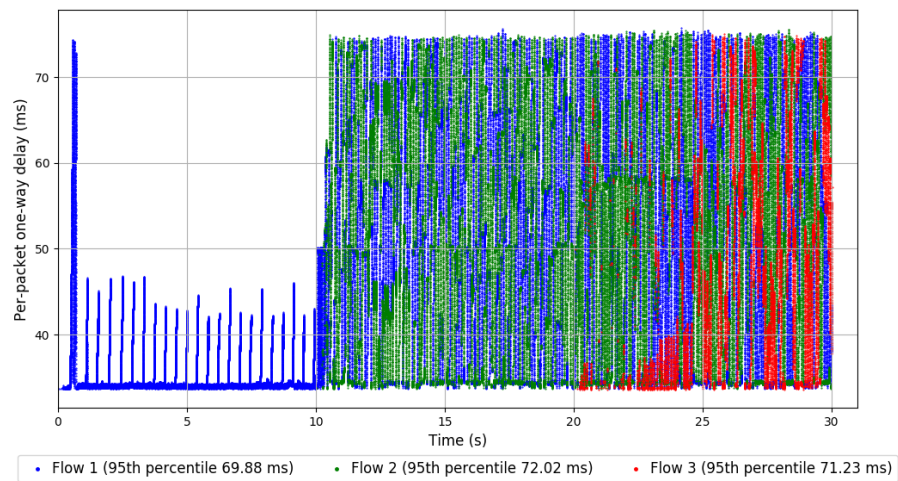
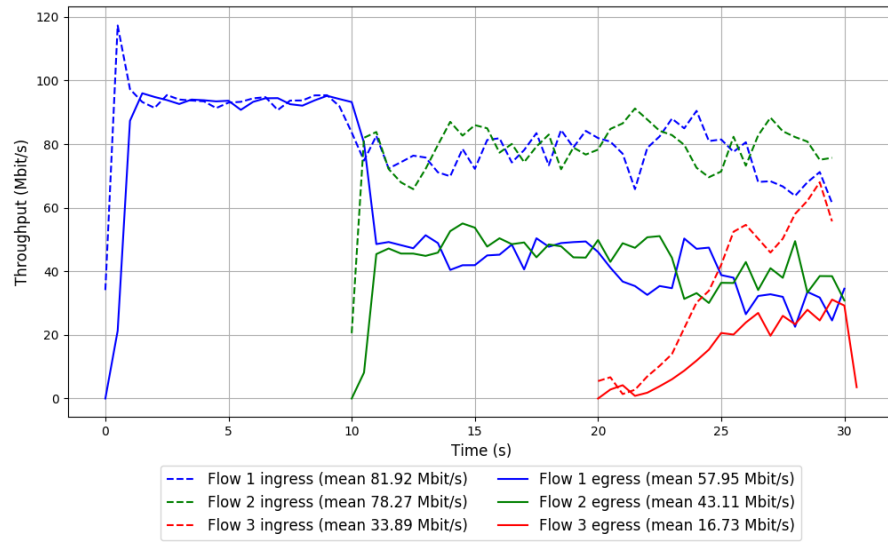
-- Flow 3:

Average throughput: 16.73 Mbit/s

95th percentile per-packet one-way delay: 71.233 ms

Loss rate: 50.58%

Run 5: Report of FillP — Data Link



Run 1: Statistics of FillP-Sheep

Start at: 2019-08-26 23:37:32

End at: 2019-08-26 23:38:02

Local clock offset: -0.809 ms

Remote clock offset: 4.477 ms

Below is generated by plot.py at 2019-08-27 03:21:15

Datalink statistics

-- Total of 3 flows:

Average throughput: 89.93 Mbit/s

95th percentile per-packet one-way delay: 67.820 ms

Loss rate: 11.14%

-- Flow 1:

Average throughput: 59.11 Mbit/s

95th percentile per-packet one-way delay: 66.498 ms

Loss rate: 9.03%

-- Flow 2:

Average throughput: 35.74 Mbit/s

95th percentile per-packet one-way delay: 69.111 ms

Loss rate: 14.20%

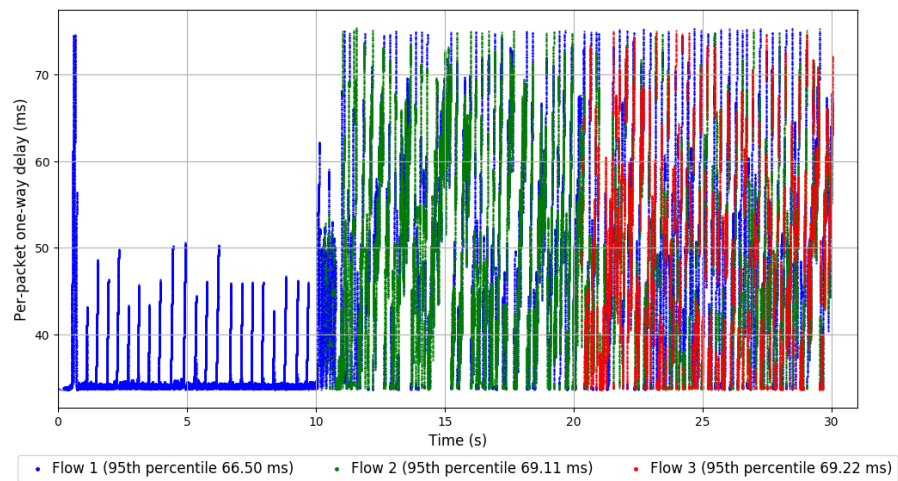
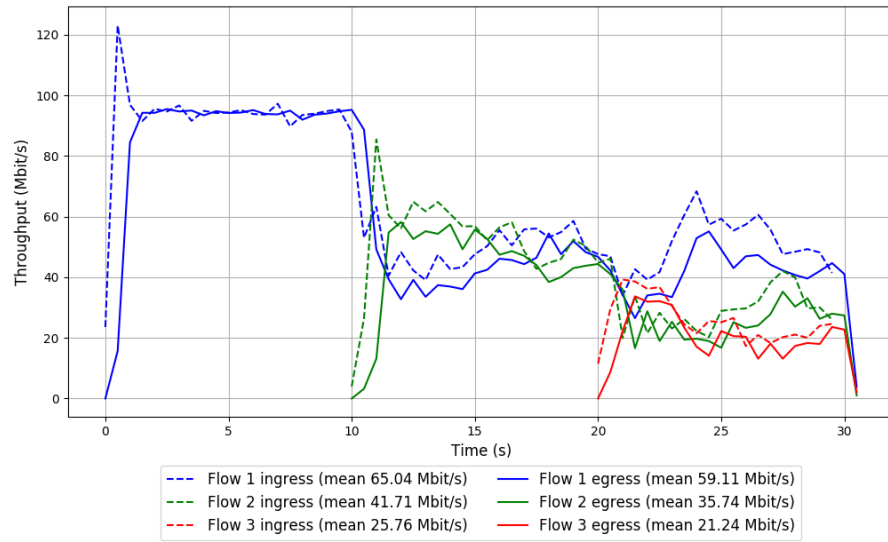
-- Flow 3:

Average throughput: 21.24 Mbit/s

95th percentile per-packet one-way delay: 69.219 ms

Loss rate: 17.24%

Run 1: Report of FillP-Sheep — Data Link



Run 2: Statistics of FillP-Sheep

Start at: 2019-08-27 00:24:14

End at: 2019-08-27 00:24:44

Local clock offset: -1.094 ms

Remote clock offset: 5.059 ms

Below is generated by plot.py at 2019-08-27 03:21:49

Datalink statistics

-- Total of 3 flows:

Average throughput: 90.71 Mbit/s

95th percentile per-packet one-way delay: 69.248 ms

Loss rate: 13.16%

-- Flow 1:

Average throughput: 55.52 Mbit/s

95th percentile per-packet one-way delay: 68.000 ms

Loss rate: 9.83%

-- Flow 2:

Average throughput: 36.28 Mbit/s

95th percentile per-packet one-way delay: 70.601 ms

Loss rate: 18.92%

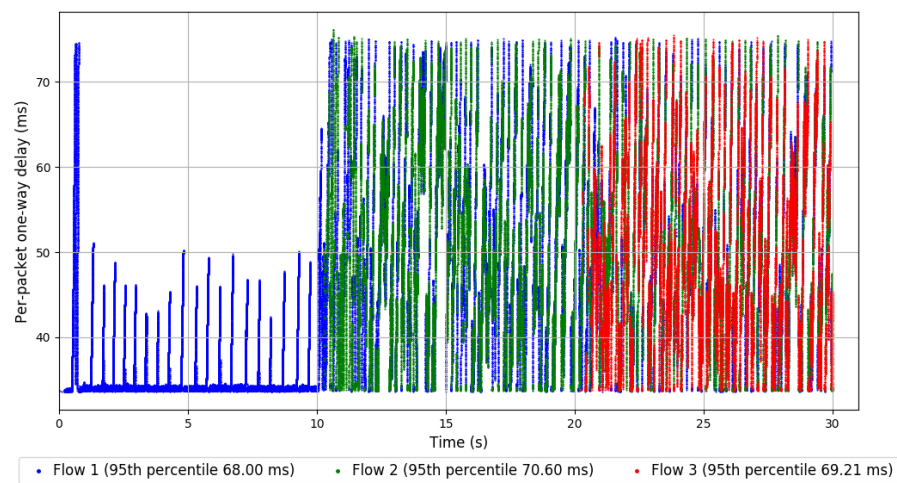
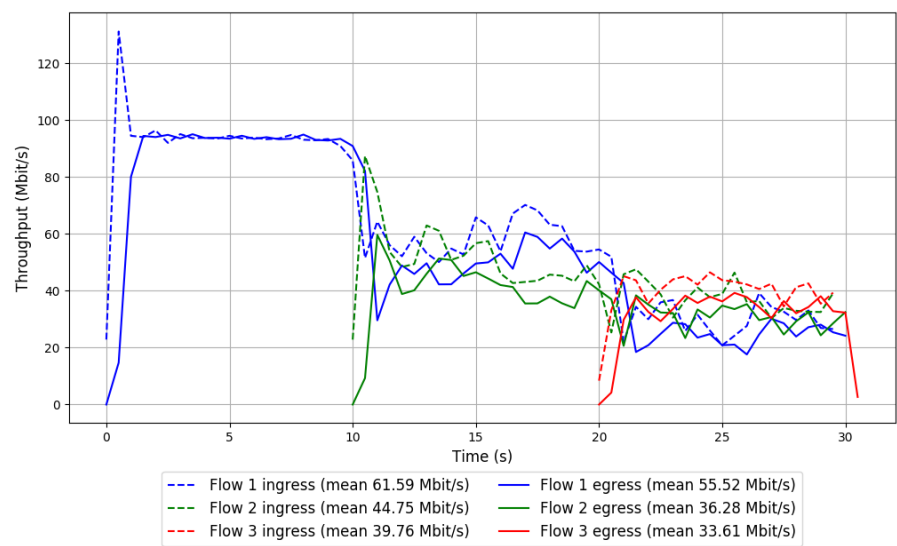
-- Flow 3:

Average throughput: 33.61 Mbit/s

95th percentile per-packet one-way delay: 69.206 ms

Loss rate: 15.67%

Run 2: Report of FillP-Sheep — Data Link



Run 3: Statistics of FillP-Sheep

Start at: 2019-08-27 01:17:20

End at: 2019-08-27 01:17:50

Local clock offset: -0.891 ms

Remote clock offset: 6.153 ms

Below is generated by plot.py at 2019-08-27 03:21:50

Datalink statistics

-- Total of 3 flows:

Average throughput: 90.52 Mbit/s

95th percentile per-packet one-way delay: 68.496 ms

Loss rate: 11.64%

-- Flow 1:

Average throughput: 57.22 Mbit/s

95th percentile per-packet one-way delay: 66.755 ms

Loss rate: 9.38%

-- Flow 2:

Average throughput: 41.48 Mbit/s

95th percentile per-packet one-way delay: 70.184 ms

Loss rate: 15.31%

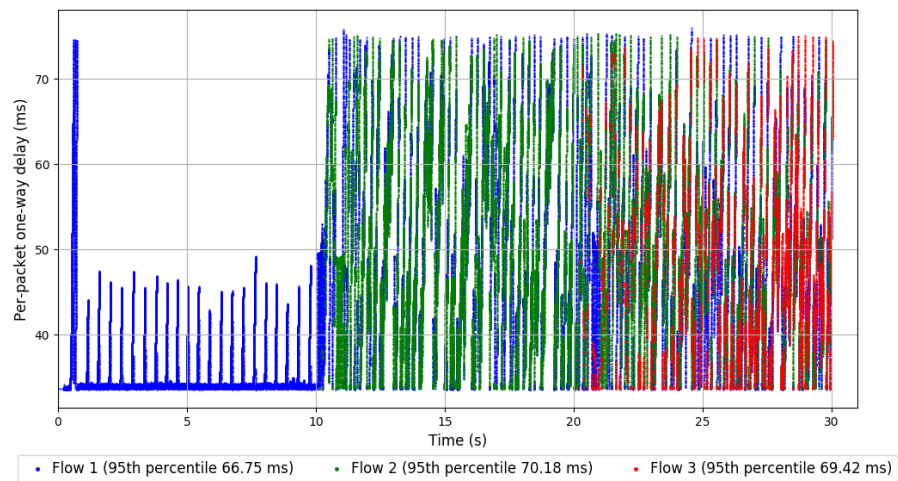
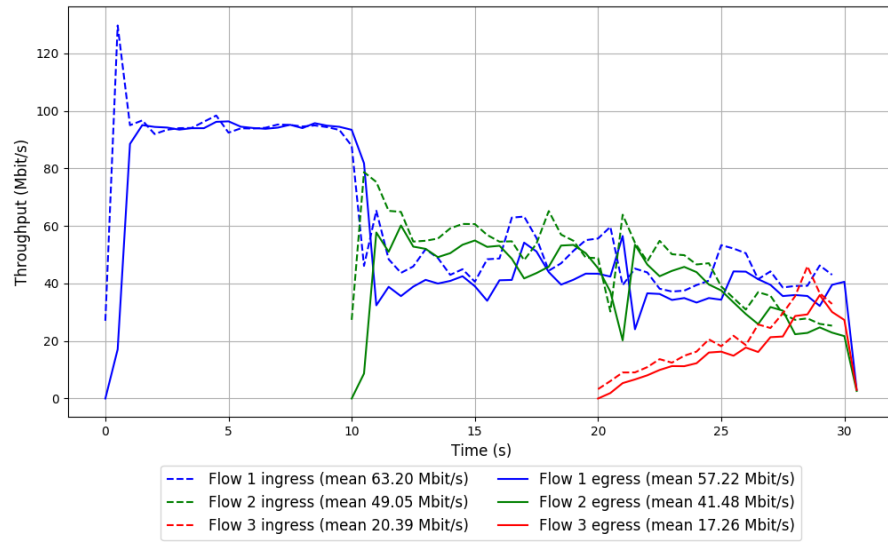
-- Flow 3:

Average throughput: 17.26 Mbit/s

95th percentile per-packet one-way delay: 69.417 ms

Loss rate: 15.00%

Run 3: Report of FillP-Sheep — Data Link



Run 4: Statistics of FillP-Sheep

Start at: 2019-08-27 02:06:07

End at: 2019-08-27 02:06:37

Local clock offset: -0.913 ms

Remote clock offset: 3.165 ms

Below is generated by plot.py at 2019-08-27 03:22:20

Datalink statistics

-- Total of 3 flows:

Average throughput: 89.98 Mbit/s

95th percentile per-packet one-way delay: 68.492 ms

Loss rate: 10.40%

-- Flow 1:

Average throughput: 59.39 Mbit/s

95th percentile per-packet one-way delay: 66.882 ms

Loss rate: 7.79%

-- Flow 2:

Average throughput: 38.77 Mbit/s

95th percentile per-packet one-way delay: 70.475 ms

Loss rate: 14.91%

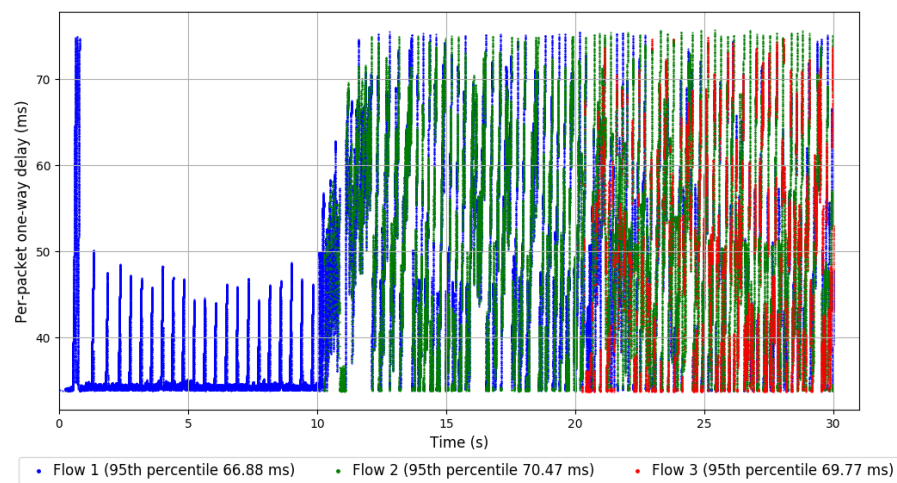
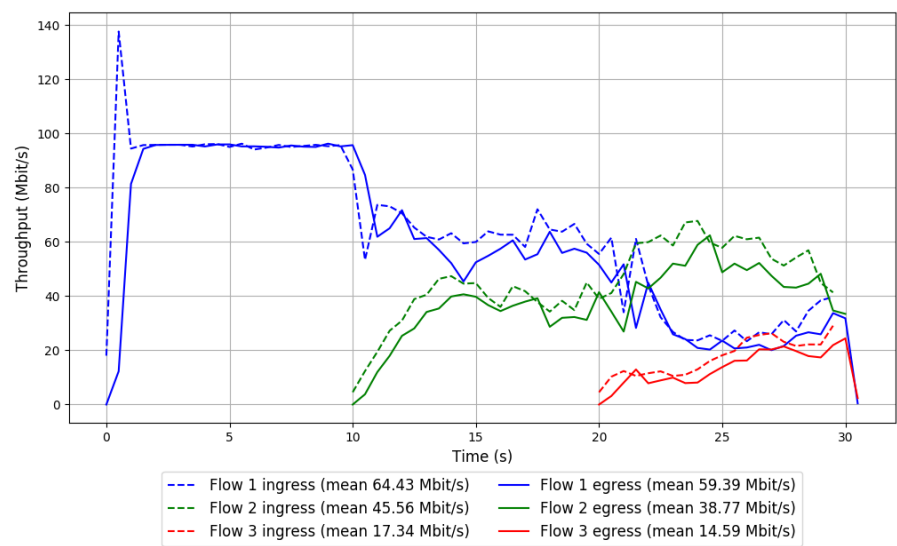
-- Flow 3:

Average throughput: 14.59 Mbit/s

95th percentile per-packet one-way delay: 69.766 ms

Loss rate: 15.87%

Run 4: Report of FillP-Sheep — Data Link



Run 5: Statistics of FillP-Sheep

Start at: 2019-08-27 02:54:54

End at: 2019-08-27 02:55:24

Local clock offset: -1.318 ms

Remote clock offset: 4.318 ms

Below is generated by plot.py at 2019-08-27 03:22:23

Datalink statistics

-- Total of 3 flows:

Average throughput: 90.76 Mbit/s

95th percentile per-packet one-way delay: 68.764 ms

Loss rate: 11.46%

-- Flow 1:

Average throughput: 52.05 Mbit/s

95th percentile per-packet one-way delay: 66.453 ms

Loss rate: 8.55%

-- Flow 2:

Average throughput: 46.23 Mbit/s

95th percentile per-packet one-way delay: 70.463 ms

Loss rate: 15.02%

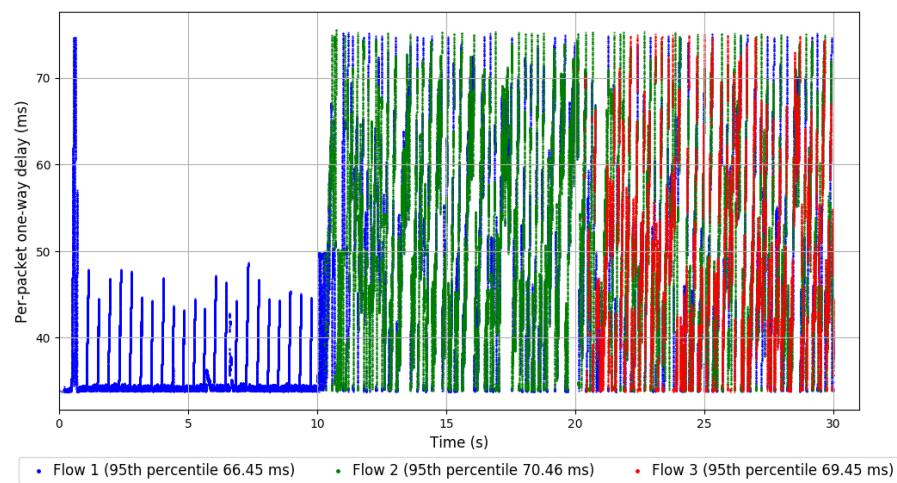
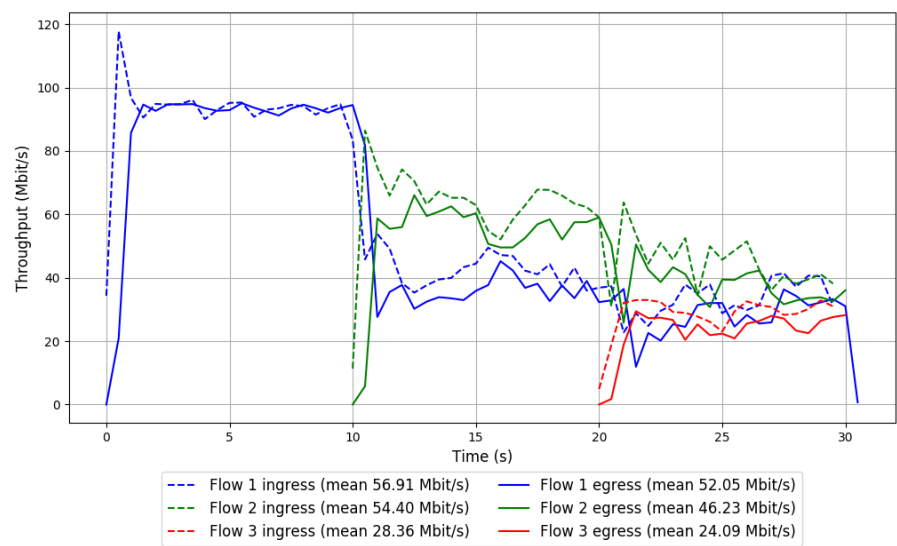
-- Flow 3:

Average throughput: 24.09 Mbit/s

95th percentile per-packet one-way delay: 69.450 ms

Loss rate: 15.36%

Run 5: Report of FillP-Sheep — Data Link

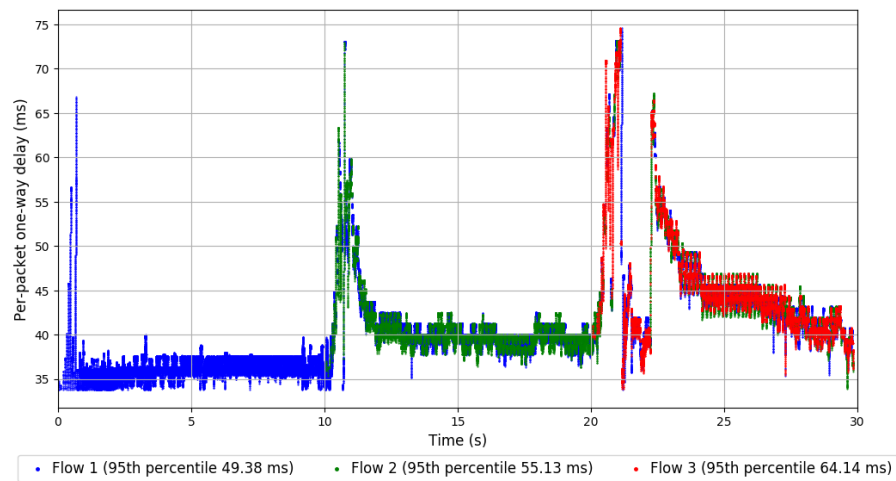
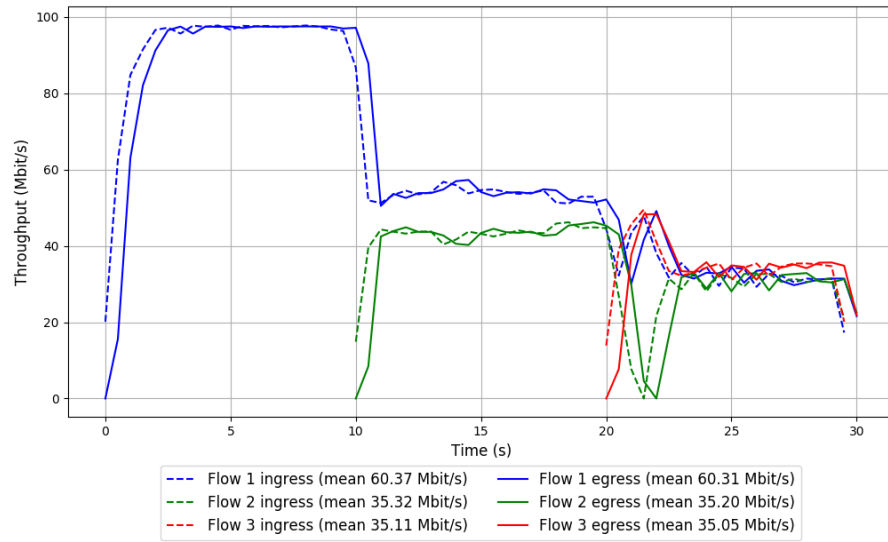


```
Run 1: Statistics of Indigo

Start at: 2019-08-26 23:15:40
End at: 2019-08-26 23:16:10
Local clock offset: -0.646 ms
Remote clock offset: 4.757 ms

# Below is generated by plot.py at 2019-08-27 03:22:23
# Datalink statistics
-- Total of 3 flows:
Average throughput: 95.09 Mbit/s
95th percentile per-packet one-way delay: 53.004 ms
Loss rate: 0.15%
-- Flow 1:
Average throughput: 60.31 Mbit/s
95th percentile per-packet one-way delay: 49.377 ms
Loss rate: 0.07%
-- Flow 2:
Average throughput: 35.20 Mbit/s
95th percentile per-packet one-way delay: 55.127 ms
Loss rate: 0.34%
-- Flow 3:
Average throughput: 35.05 Mbit/s
95th percentile per-packet one-way delay: 64.140 ms
Loss rate: 0.17%
```

Run 1: Report of Indigo — Data Link



Run 2: Statistics of Indigo

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

End at: 2019-08-27 00:01:18

Local clock offset: -1.04 ms

Remote clock offset: 6.129 ms

Below is generated by plot.py at 2019-08-27 03:22:23

Datalink statistics

-- Total of 3 flows:

Average throughput: 95.54 Mbit/s

95th percentile per-packet one-way delay: 49.202 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 67.56 Mbit/s

95th percentile per-packet one-way delay: 45.338 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 28.13 Mbit/s

95th percentile per-packet one-way delay: 52.644 ms

Loss rate: 0.00%

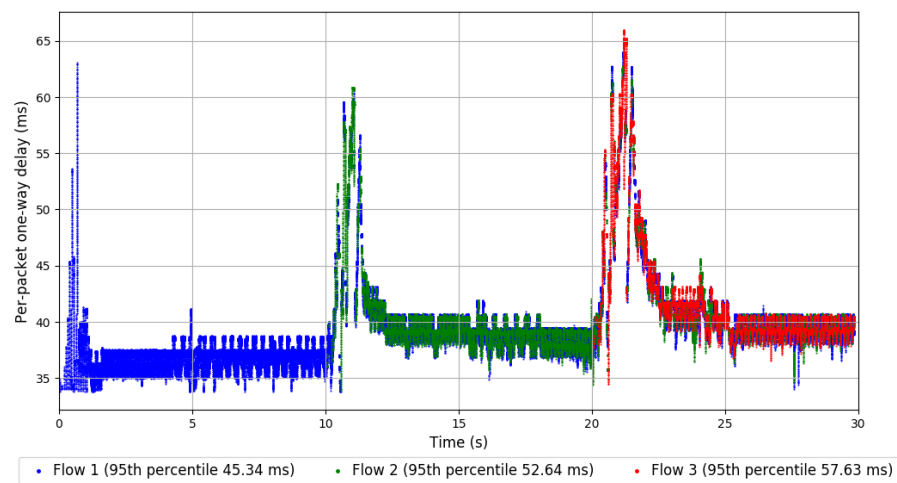
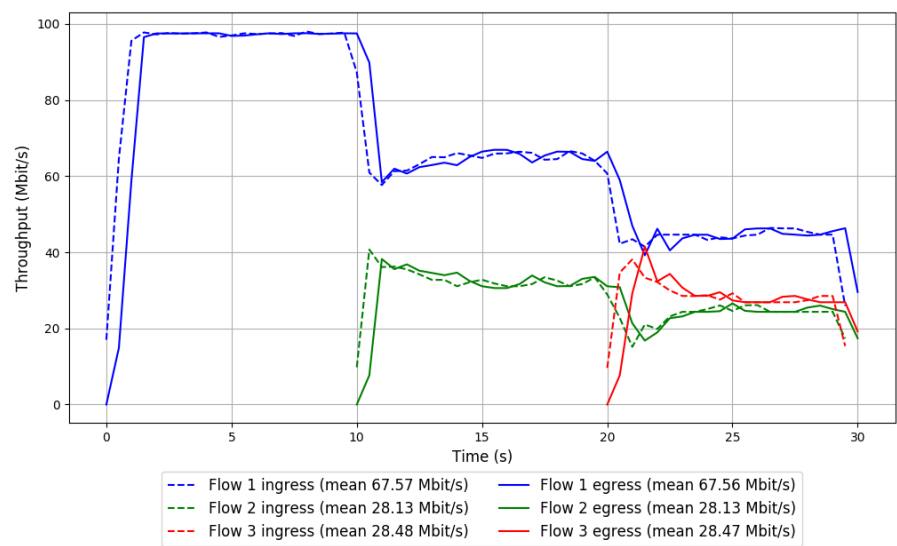
-- Flow 3:

Average throughput: 28.47 Mbit/s

95th percentile per-packet one-way delay: 57.628 ms

Loss rate: 0.00%

Run 2: Report of Indigo — Data Link

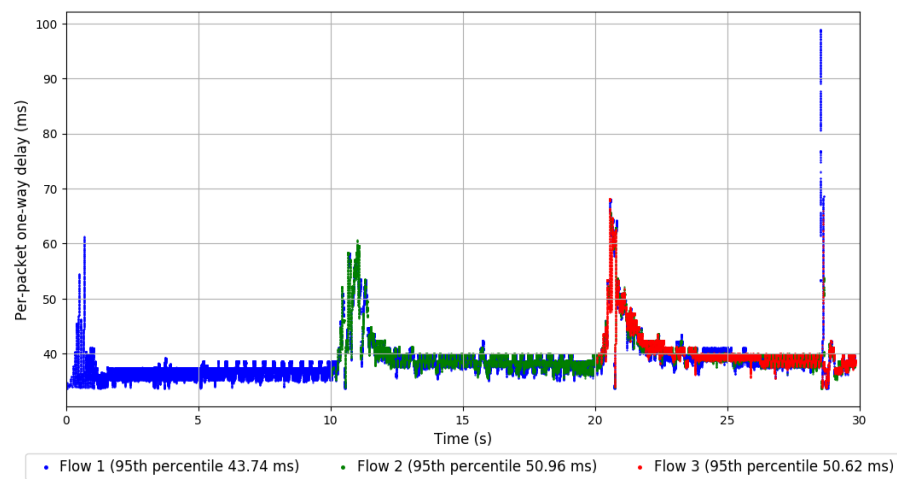
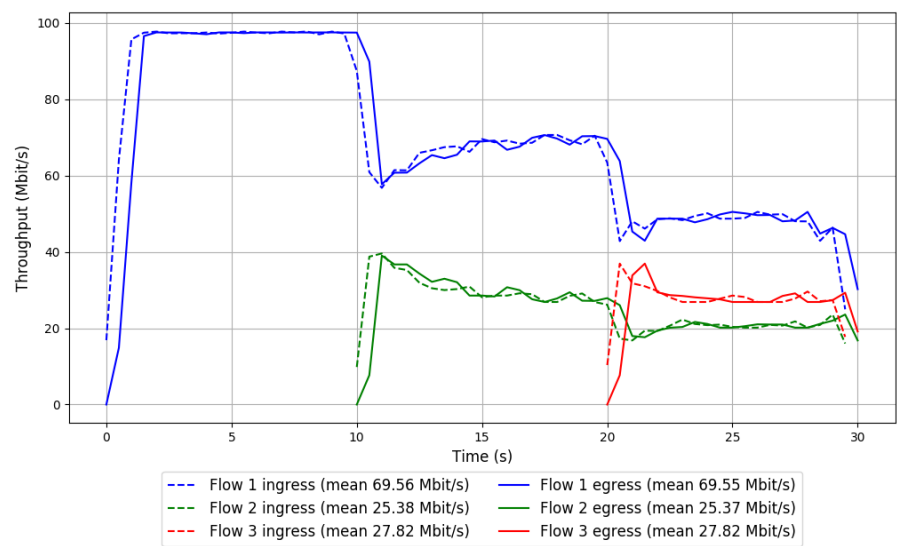


Run 3: Statistics of Indigo

Start at: 2019-08-27 00:50:31
End at: 2019-08-27 00:51:01
Local clock offset: -1.121 ms
Remote clock offset: 4.262 ms

Below is generated by plot.py at 2019-08-27 03:22:23
Datalink statistics
-- Total of 3 flows:
Average throughput: 95.43 Mbit/s
95th percentile per-packet one-way delay: 47.045 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 69.55 Mbit/s
95th percentile per-packet one-way delay: 43.741 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 25.37 Mbit/s
95th percentile per-packet one-way delay: 50.959 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 27.82 Mbit/s
95th percentile per-packet one-way delay: 50.621 ms
Loss rate: 0.00%

Run 3: Report of Indigo — Data Link



Run 4: Statistics of Indigo

Start at: 2019-08-27 01:45:37

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

Local clock offset: -0.88 ms

Remote clock offset: 3.639 ms

Below is generated by plot.py at 2019-08-27 03:22:30

Datalink statistics

-- Total of 3 flows:

Average throughput: 95.55 Mbit/s

95th percentile per-packet one-way delay: 52.258 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 67.60 Mbit/s

95th percentile per-packet one-way delay: 48.630 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 27.68 Mbit/s

95th percentile per-packet one-way delay: 55.910 ms

Loss rate: 0.00%

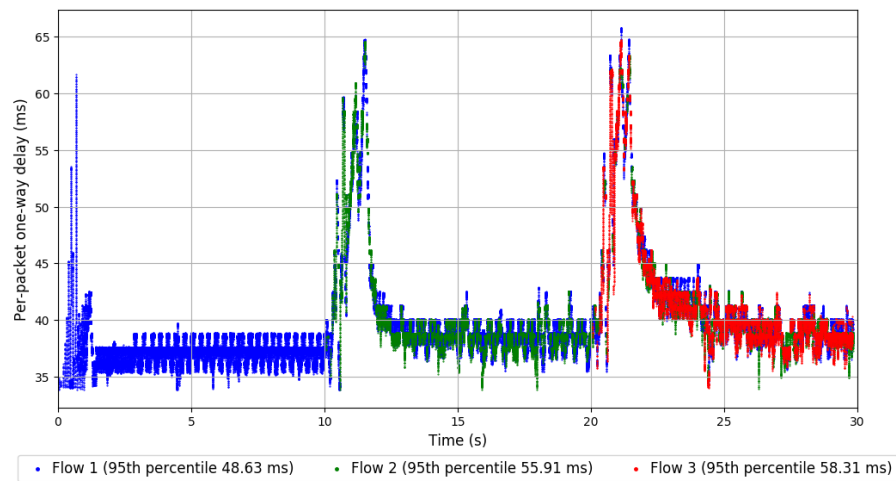
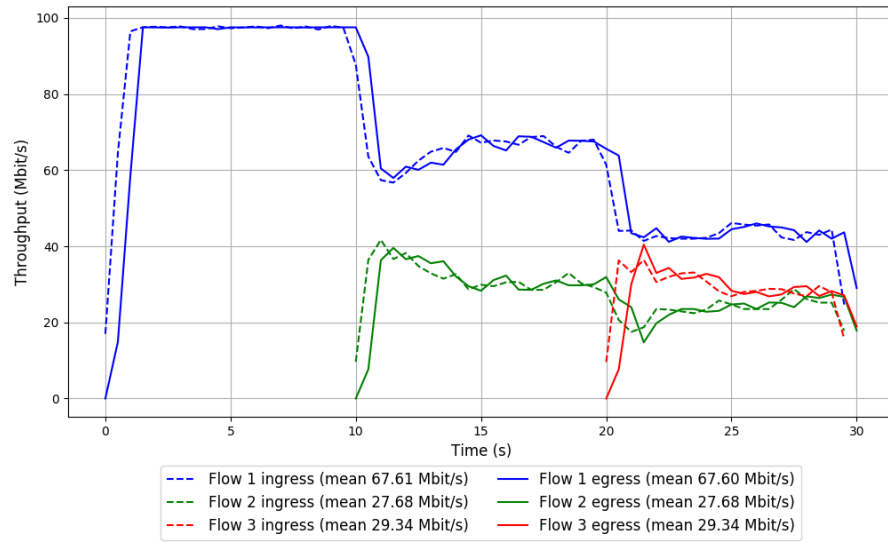
-- Flow 3:

Average throughput: 29.34 Mbit/s

95th percentile per-packet one-way delay: 58.311 ms

Loss rate: 0.00%

Run 4: Report of Indigo — Data Link



Run 5: Statistics of Indigo

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

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

Local clock offset: -1.087 ms

Remote clock offset: 3.075 ms

Below is generated by plot.py at 2019-08-27 03:23:05

Datalink statistics

-- Total of 3 flows:

Average throughput: 95.54 Mbit/s

95th percentile per-packet one-way delay: 48.753 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 68.07 Mbit/s

95th percentile per-packet one-way delay: 45.857 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 26.15 Mbit/s

95th percentile per-packet one-way delay: 51.904 ms

Loss rate: 0.00%

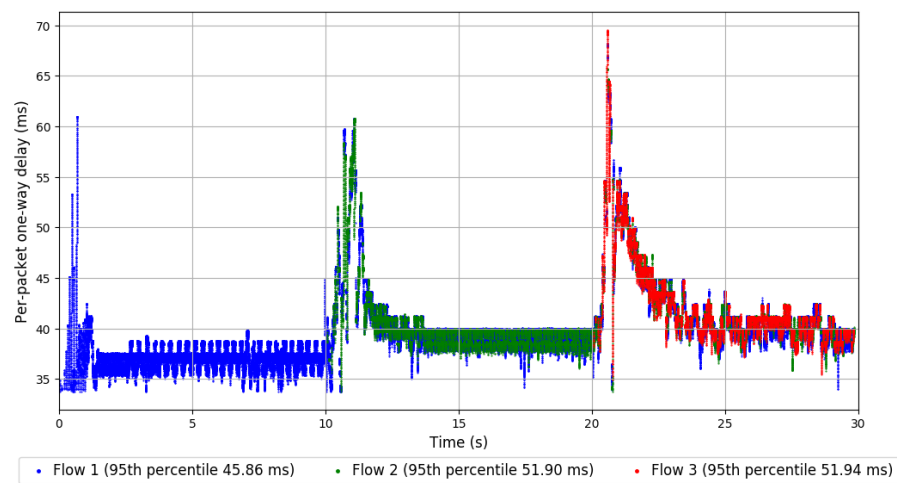
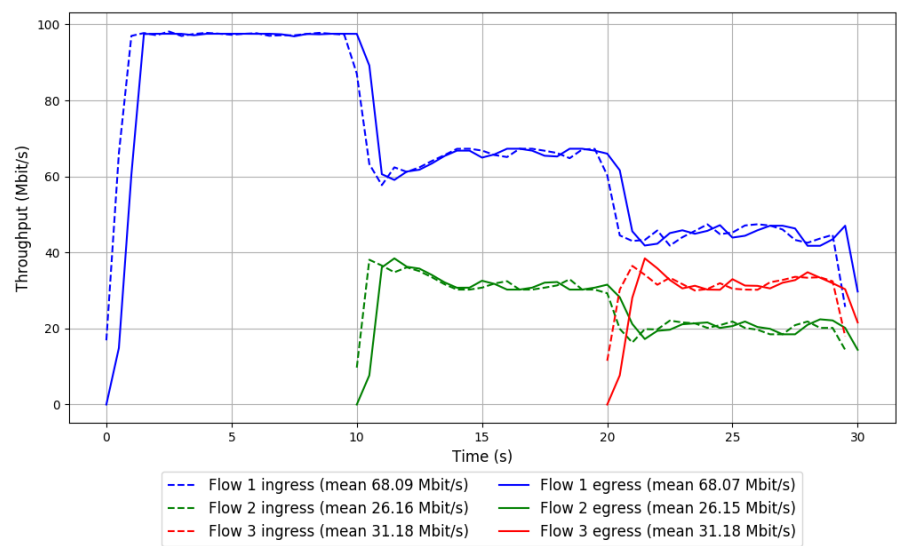
-- Flow 3:

Average throughput: 31.18 Mbit/s

95th percentile per-packet one-way delay: 51.935 ms

Loss rate: 0.00%

Run 5: Report of Indigo — Data Link



Run 1: Statistics of Indigo-MusesC3

Start at: 2019-08-26 23:50:05

End at: 2019-08-26 23:50:35

Local clock offset: -0.963 ms

Remote clock offset: 5.656 ms

Below is generated by plot.py at 2019-08-27 03:23:05

Datalink statistics

-- Total of 3 flows:

Average throughput: 95.86 Mbit/s

95th percentile per-packet one-way delay: 50.414 ms

Loss rate: 0.43%

-- Flow 1:

Average throughput: 56.40 Mbit/s

95th percentile per-packet one-way delay: 46.629 ms

Loss rate: 0.20%

-- Flow 2:

Average throughput: 43.76 Mbit/s

95th percentile per-packet one-way delay: 50.312 ms

Loss rate: 0.28%

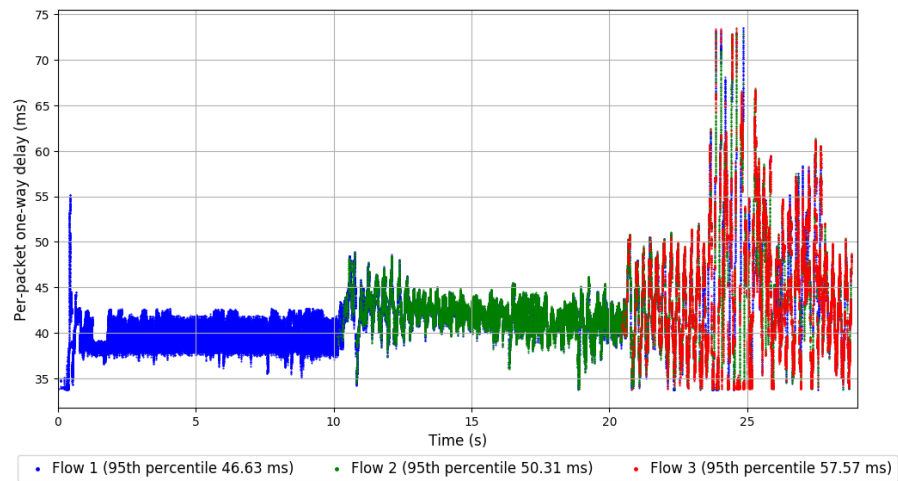
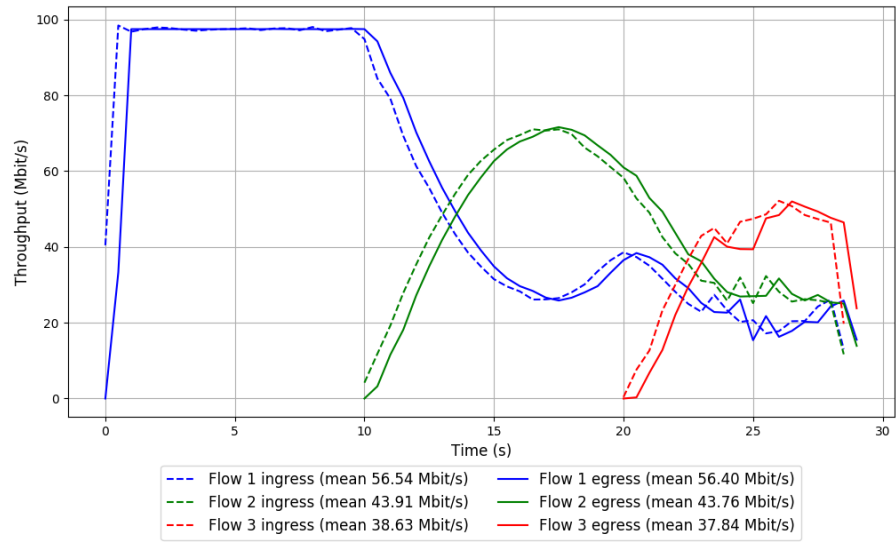
-- Flow 3:

Average throughput: 37.84 Mbit/s

95th percentile per-packet one-way delay: 57.571 ms

Loss rate: 1.93%

Run 1: Report of Indigo-MusesC3 — Data Link



Run 2: Statistics of Indigo-MusesC3

Start at: 2019-08-27 00:38:25

End at: 2019-08-27 00:38:55

Local clock offset: -1.154 ms

Remote clock offset: 4.339 ms

Below is generated by plot.py at 2019-08-27 03:23:19

Datalink statistics

-- Total of 3 flows:

Average throughput: 95.75 Mbit/s

95th percentile per-packet one-way delay: 51.662 ms

Loss rate: 0.38%

-- Flow 1:

Average throughput: 54.23 Mbit/s

95th percentile per-packet one-way delay: 48.790 ms

Loss rate: 0.47%

-- Flow 2:

Average throughput: 50.07 Mbit/s

95th percentile per-packet one-way delay: 51.343 ms

Loss rate: 0.03%

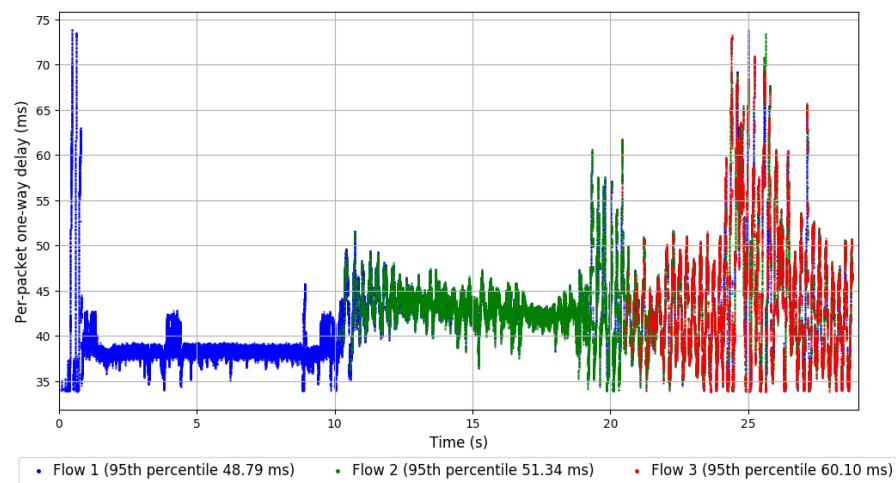
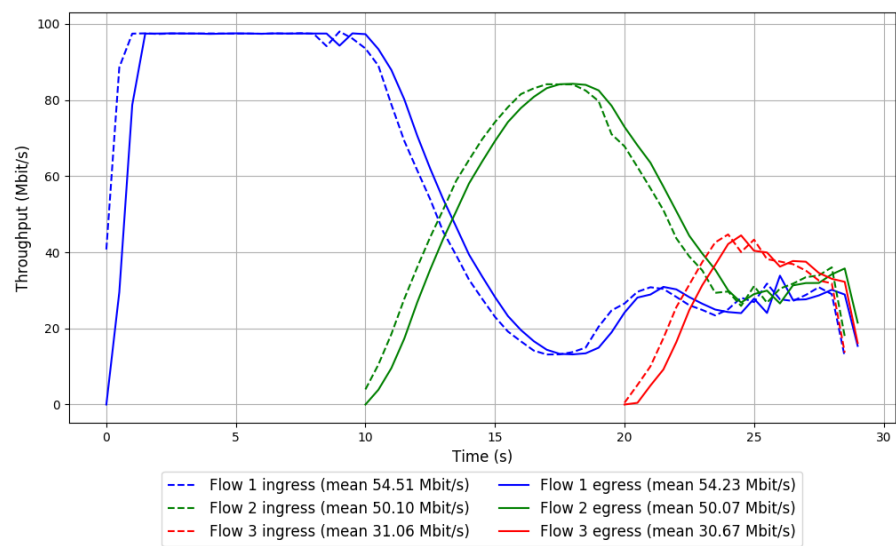
-- Flow 3:

Average throughput: 30.67 Mbit/s

95th percentile per-packet one-way delay: 60.101 ms

Loss rate: 1.11%

Run 2: Report of Indigo-MusesC3 — Data Link



Run 3: Statistics of Indigo-MusesC3

Start at: 2019-08-27 01:33:02

End at: 2019-08-27 01:33:32

Local clock offset: -0.912 ms

Remote clock offset: 4.595 ms

Below is generated by plot.py at 2019-08-27 03:23:27

Datalink statistics

-- Total of 3 flows:

Average throughput: 95.69 Mbit/s

95th percentile per-packet one-way delay: 53.096 ms

Loss rate: 0.52%

-- Flow 1:

Average throughput: 58.70 Mbit/s

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

Loss rate: 0.20%

-- Flow 2:

Average throughput: 42.78 Mbit/s

95th percentile per-packet one-way delay: 53.240 ms

Loss rate: 0.55%

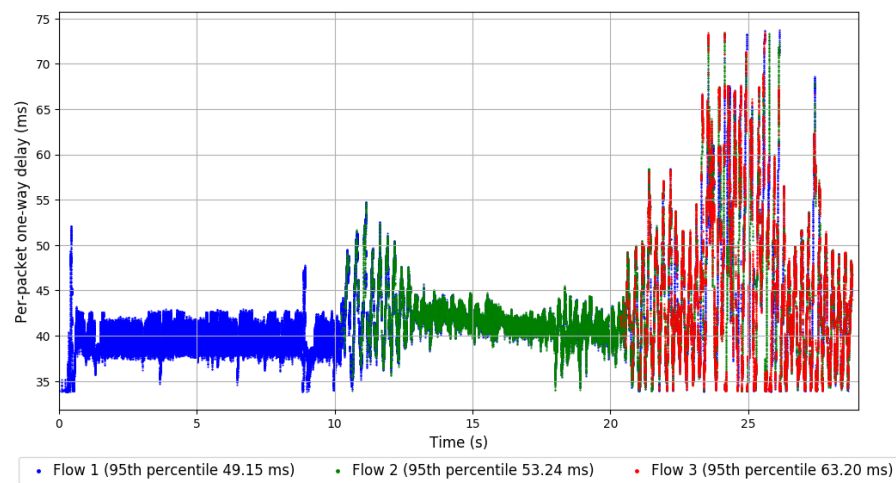
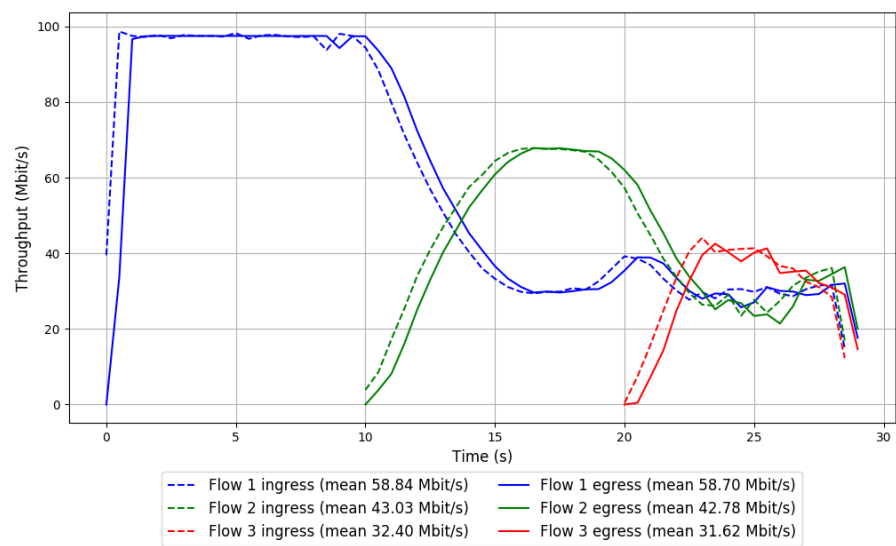
-- Flow 3:

Average throughput: 31.62 Mbit/s

95th percentile per-packet one-way delay: 63.205 ms

Loss rate: 2.38%

Run 3: Report of Indigo-MusesC3 — Data Link



Run 4: Statistics of Indigo-MusesC3

Start at: 2019-08-27 02:17:32

End at: 2019-08-27 02:18:02

Local clock offset: -0.992 ms

Remote clock offset: 3.073 ms

Below is generated by plot.py at 2019-08-27 03:23:28

Datalink statistics

-- Total of 3 flows:

Average throughput: 95.09 Mbit/s

95th percentile per-packet one-way delay: 56.074 ms

Loss rate: 1.17%

-- Flow 1:

Average throughput: 51.51 Mbit/s

95th percentile per-packet one-way delay: 51.421 ms

Loss rate: 0.48%

-- Flow 2:

Average throughput: 51.71 Mbit/s

95th percentile per-packet one-way delay: 55.943 ms

Loss rate: 1.27%

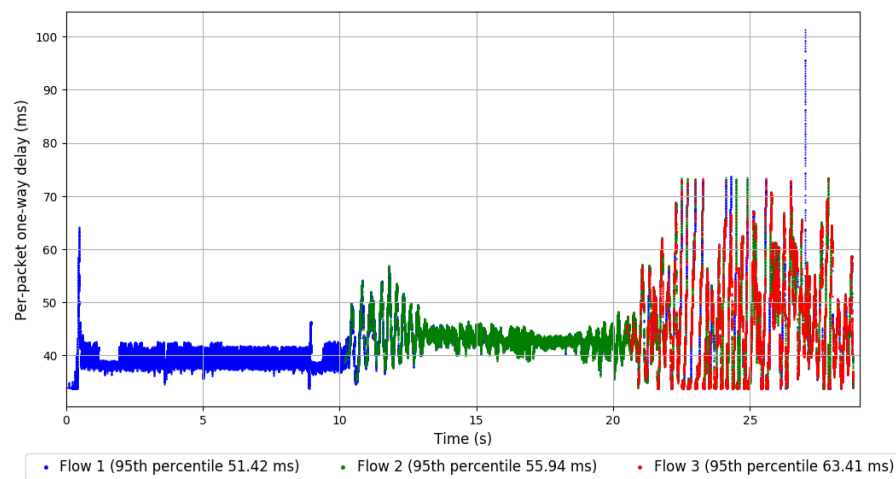
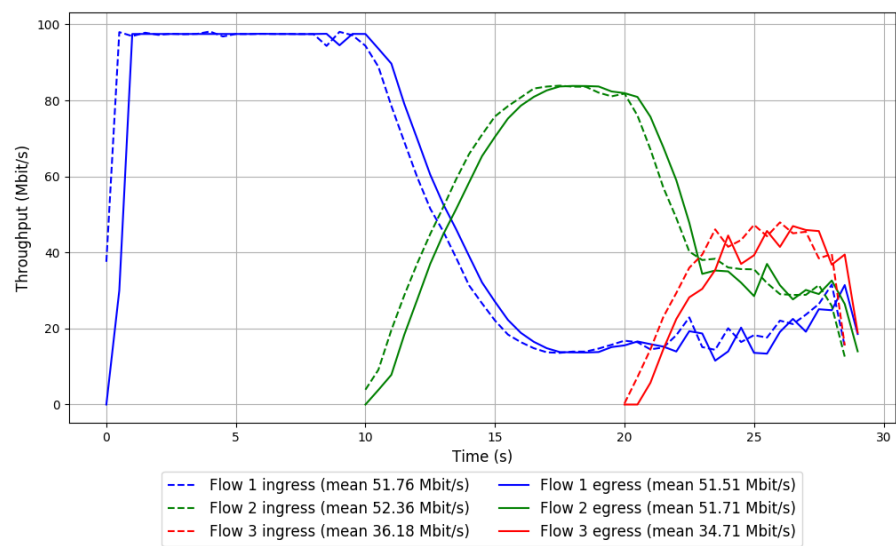
-- Flow 3:

Average throughput: 34.71 Mbit/s

95th percentile per-packet one-way delay: 63.407 ms

Loss rate: 4.28%

Run 4: Report of Indigo-MusesC3 — Data Link



Run 5: Statistics of Indigo-MusesC3

Start at: 2019-08-27 03:12:26

End at: 2019-08-27 03:12:56

Local clock offset: -1.313 ms

Remote clock offset: 5.139 ms

Below is generated by plot.py at 2019-08-27 03:23:32

Datalink statistics

-- Total of 3 flows:

Average throughput: 95.51 Mbit/s

95th percentile per-packet one-way delay: 52.329 ms

Loss rate: 0.56%

-- Flow 1:

Average throughput: 61.16 Mbit/s

95th percentile per-packet one-way delay: 47.829 ms

Loss rate: 0.25%

-- Flow 2:

Average throughput: 39.96 Mbit/s

95th percentile per-packet one-way delay: 52.842 ms

Loss rate: 0.48%

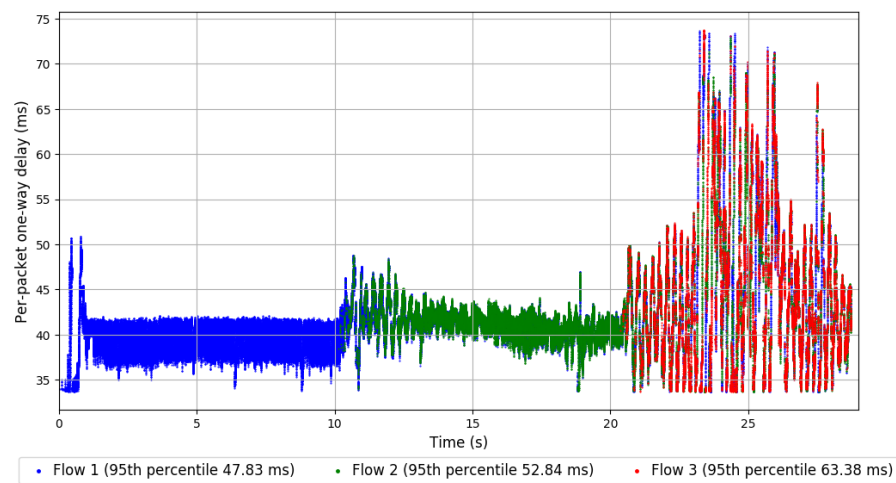
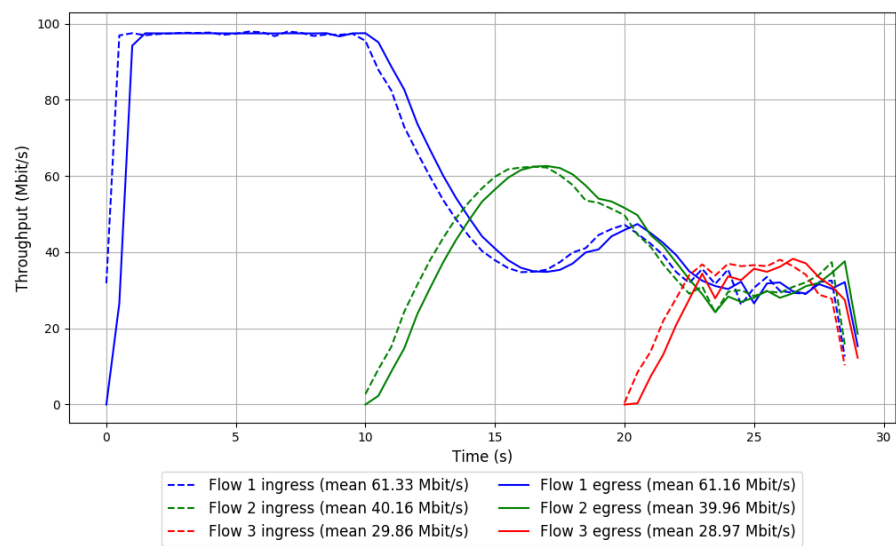
-- Flow 3:

Average throughput: 28.97 Mbit/s

95th percentile per-packet one-way delay: 63.376 ms

Loss rate: 2.94%

Run 5: Report of Indigo-MusesC3 — Data Link



Run 1: Statistics of Indigo-MusesC5

Start at: 2019-08-26 23:43:30

End at: 2019-08-26 23:44:00

Local clock offset: -0.878 ms

Remote clock offset: 4.848 ms

Below is generated by plot.py at 2019-08-27 03:23:36

Datalink statistics

-- Total of 3 flows:

Average throughput: 92.03 Mbit/s

95th percentile per-packet one-way delay: 65.792 ms

Loss rate: 13.31%

-- Flow 1:

Average throughput: 59.59 Mbit/s

95th percentile per-packet one-way delay: 64.365 ms

Loss rate: 10.16%

-- Flow 2:

Average throughput: 48.41 Mbit/s

95th percentile per-packet one-way delay: 67.408 ms

Loss rate: 18.22%

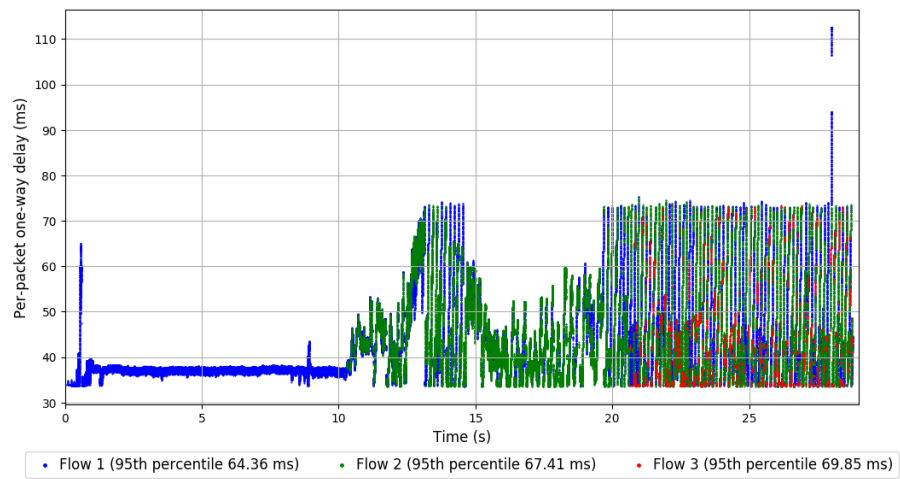
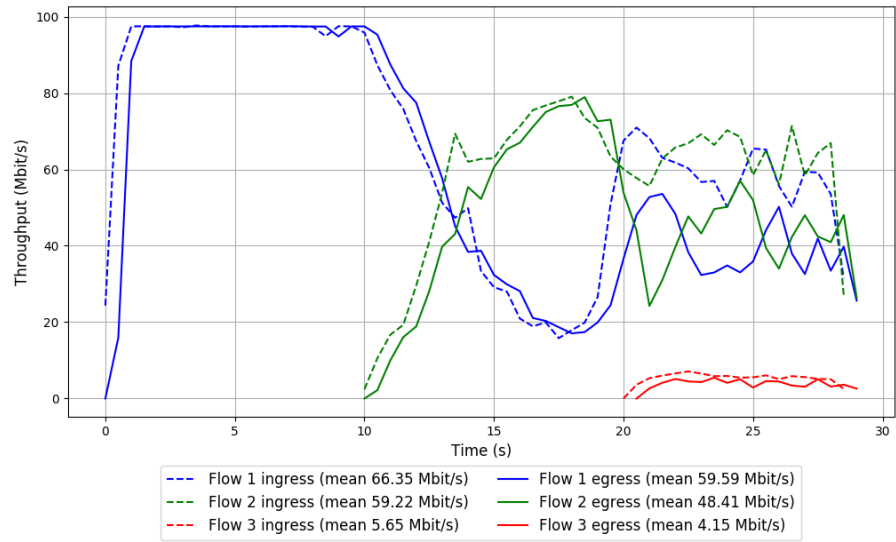
-- Flow 3:

Average throughput: 4.15 Mbit/s

95th percentile per-packet one-way delay: 69.852 ms

Loss rate: 26.95%

Run 1: Report of Indigo-MusesC5 — Data Link



Run 2: Statistics of Indigo-MusesC5

Start at: 2019-08-27 00:31:10

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

Local clock offset: -1.127 ms

Remote clock offset: 4.51 ms

Below is generated by plot.py at 2019-08-27 03:23:43

Datalink statistics

-- Total of 3 flows:

Average throughput: 91.83 Mbit/s

95th percentile per-packet one-way delay: 66.385 ms

Loss rate: 14.46%

-- Flow 1:

Average throughput: 56.43 Mbit/s

95th percentile per-packet one-way delay: 65.179 ms

Loss rate: 12.58%

-- Flow 2:

Average throughput: 53.60 Mbit/s

95th percentile per-packet one-way delay: 67.365 ms

Loss rate: 16.94%

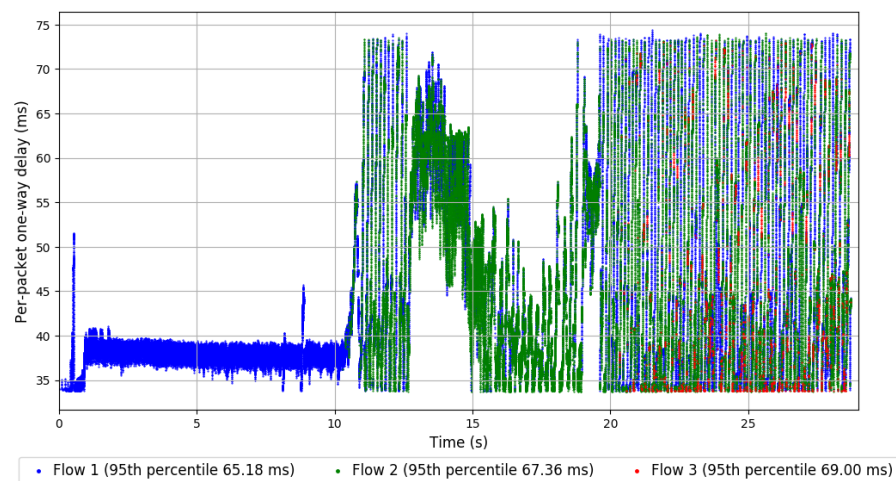
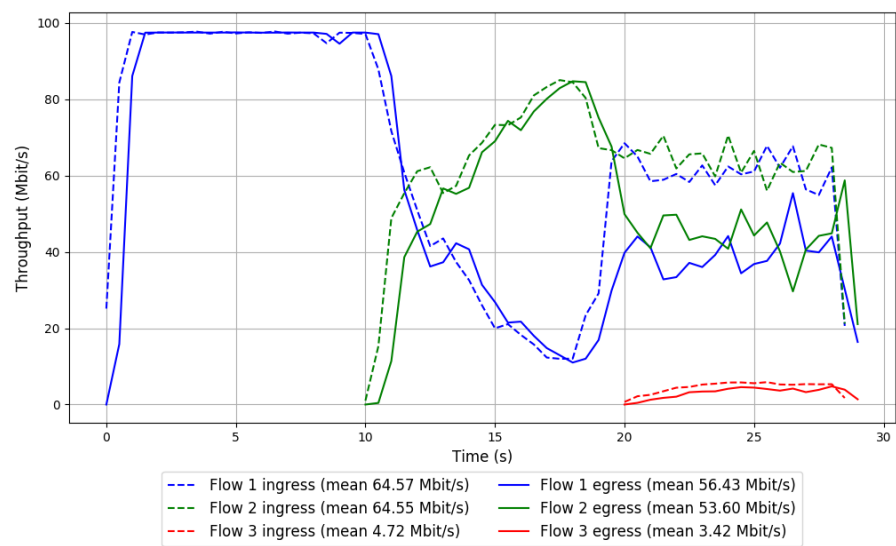
-- Flow 3:

Average throughput: 3.42 Mbit/s

95th percentile per-packet one-way delay: 69.004 ms

Loss rate: 27.56%

Run 2: Report of Indigo-MusesC5 — Data Link



Run 3: Statistics of Indigo-MusesC5

Start at: 2019-08-27 01:24:17

End at: 2019-08-27 01:24:47

Local clock offset: -0.918 ms

Remote clock offset: 5.861 ms

Below is generated by plot.py at 2019-08-27 03:24:18

Datalink statistics

-- Total of 3 flows:

Average throughput: 91.94 Mbit/s

95th percentile per-packet one-way delay: 67.358 ms

Loss rate: 14.31%

-- Flow 1:

Average throughput: 56.69 Mbit/s

95th percentile per-packet one-way delay: 65.830 ms

Loss rate: 11.13%

-- Flow 2:

Average throughput: 52.98 Mbit/s

95th percentile per-packet one-way delay: 68.405 ms

Loss rate: 18.67%

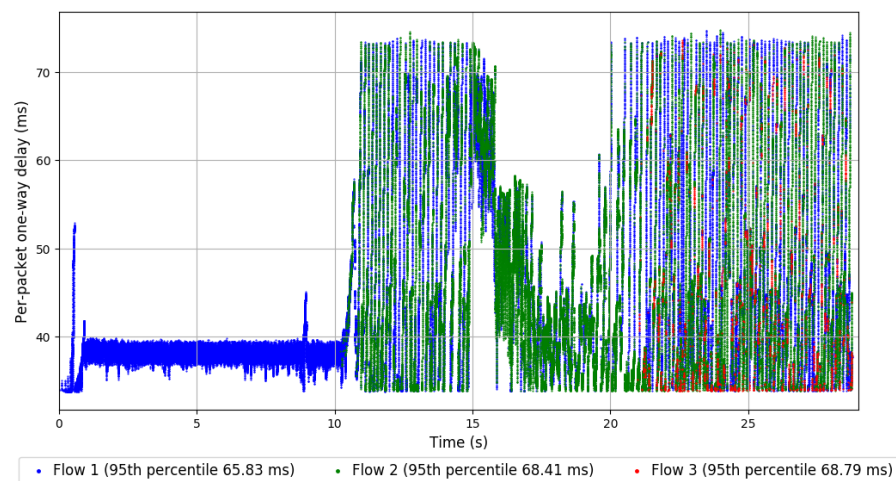
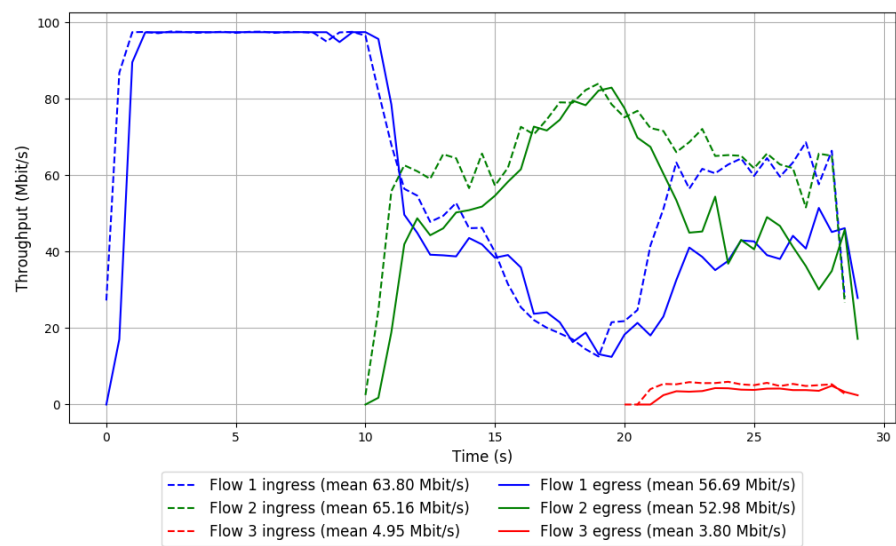
-- Flow 3:

Average throughput: 3.80 Mbit/s

95th percentile per-packet one-way delay: 68.792 ms

Loss rate: 27.82%

Run 3: Report of Indigo-MusesC5 — Data Link



Run 4: Statistics of Indigo-MusesC5

Start at: 2019-08-27 02:11:37

End at: 2019-08-27 02:12:07

Local clock offset: -0.926 ms

Remote clock offset: 3.057 ms

Below is generated by plot.py at 2019-08-27 03:24:18

Datalink statistics

-- Total of 3 flows:

Average throughput: 92.41 Mbit/s

95th percentile per-packet one-way delay: 66.559 ms

Loss rate: 13.02%

-- Flow 1:

Average throughput: 59.83 Mbit/s

95th percentile per-packet one-way delay: 64.653 ms

Loss rate: 9.66%

-- Flow 2:

Average throughput: 48.98 Mbit/s

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

Loss rate: 18.31%

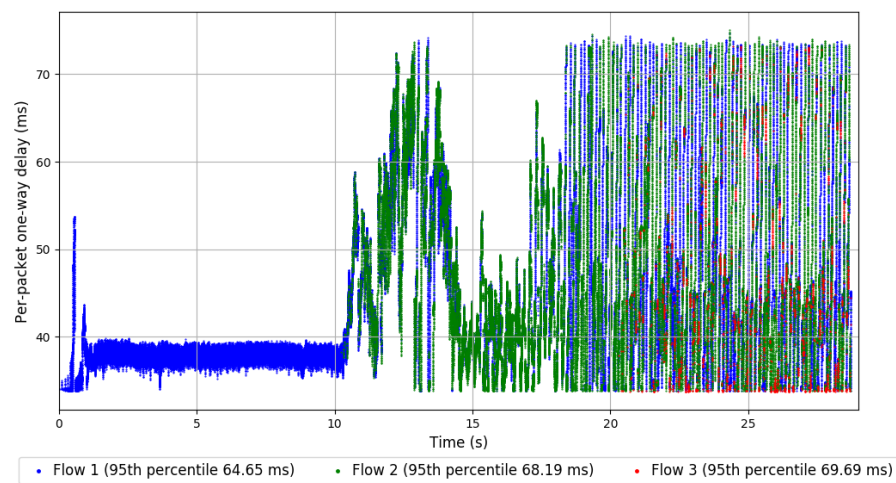
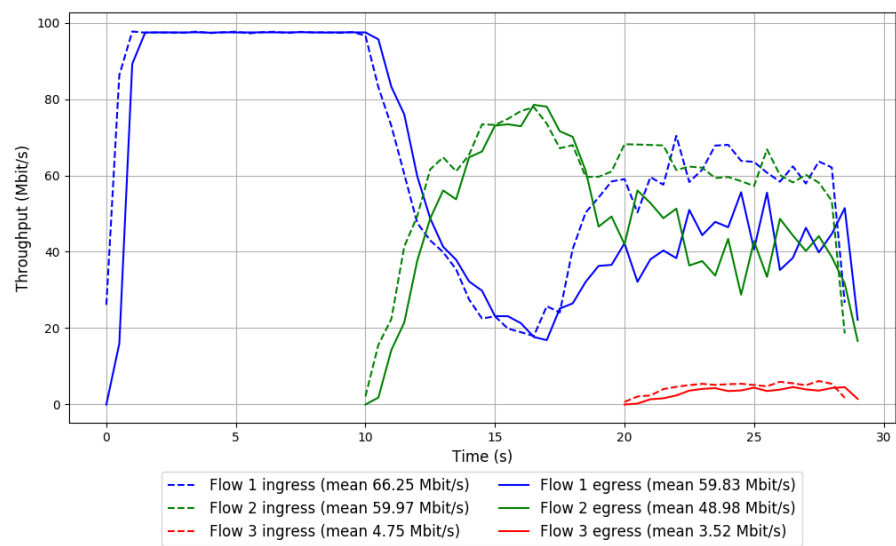
-- Flow 3:

Average throughput: 3.52 Mbit/s

95th percentile per-packet one-way delay: 69.693 ms

Loss rate: 25.93%

Run 4: Report of Indigo-MusesC5 — Data Link



Run 5: Statistics of Indigo-MusesC5

Start at: 2019-08-27 03:03:25

End at: 2019-08-27 03:03:55

Local clock offset: -1.328 ms

Remote clock offset: 4.251 ms

Below is generated by plot.py at 2019-08-27 03:24:32

Datalink statistics

-- Total of 3 flows:

Average throughput: 93.01 Mbit/s

95th percentile per-packet one-way delay: 66.314 ms

Loss rate: 11.03%

-- Flow 1:

Average throughput: 60.85 Mbit/s

95th percentile per-packet one-way delay: 63.267 ms

Loss rate: 7.84%

-- Flow 2:

Average throughput: 47.36 Mbit/s

95th percentile per-packet one-way delay: 68.518 ms

Loss rate: 16.10%

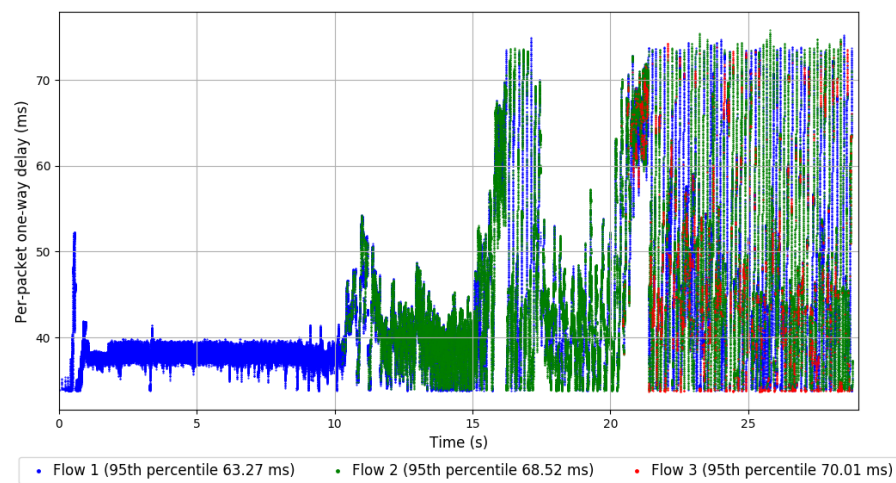
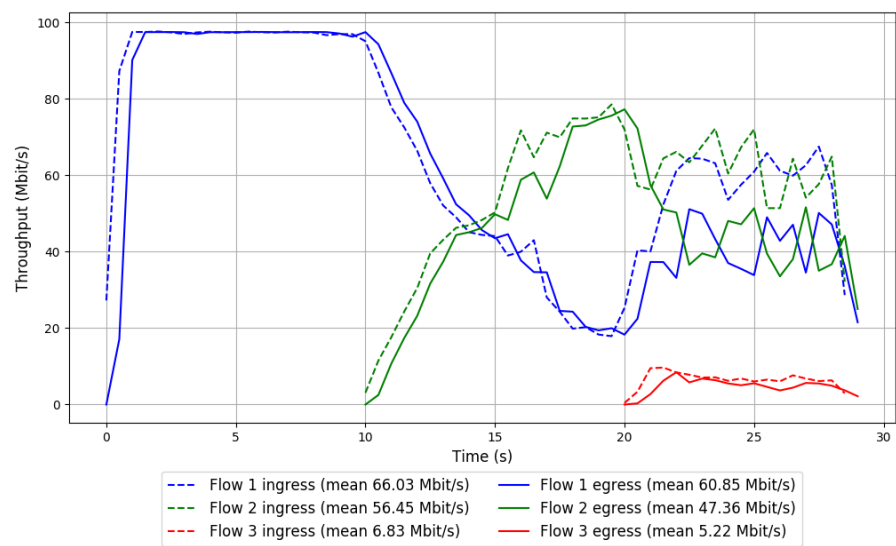
-- Flow 3:

Average throughput: 5.22 Mbit/s

95th percentile per-packet one-way delay: 70.011 ms

Loss rate: 23.78%

Run 5: Report of Indigo-MusesC5 — Data Link



Run 1: Statistics of Indigo-MusesD

Start at: 2019-08-26 23:29:33

End at: 2019-08-26 23:30:03

Local clock offset: -0.709 ms

Remote clock offset: 4.37 ms

Below is generated by plot.py at 2019-08-27 03:24:39

Datalink statistics

-- Total of 3 flows:

Average throughput: 95.49 Mbit/s

95th percentile per-packet one-way delay: 41.485 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 54.93 Mbit/s

95th percentile per-packet one-way delay: 41.126 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 44.45 Mbit/s

95th percentile per-packet one-way delay: 41.032 ms

Loss rate: 0.00%

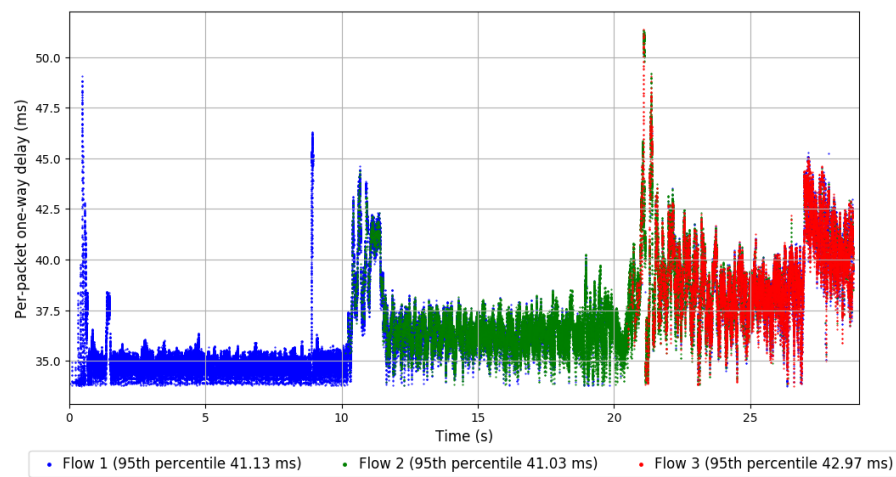
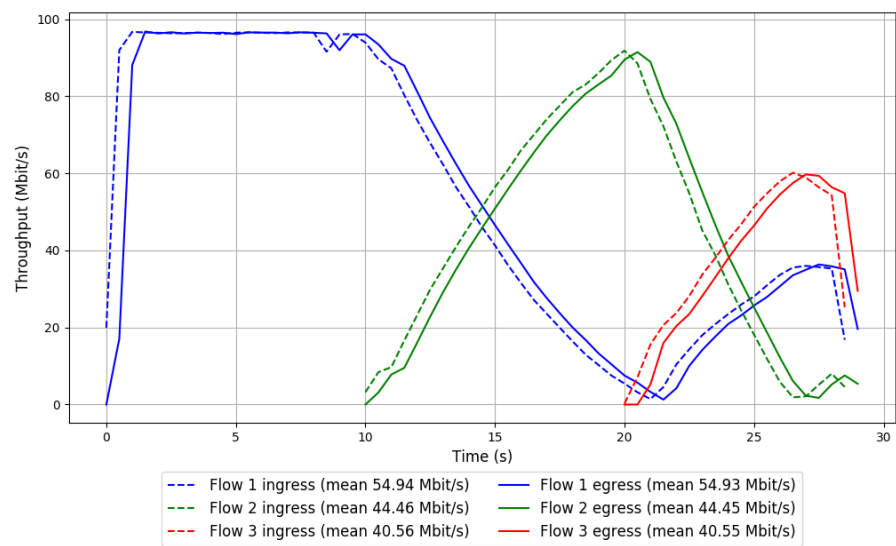
-- Flow 3:

Average throughput: 40.55 Mbit/s

95th percentile per-packet one-way delay: 42.966 ms

Loss rate: 0.00%

Run 1: Report of Indigo-MusesD — Data Link



Run 2: Statistics of Indigo-MusesD

Start at: 2019-08-27 00:15:47

End at: 2019-08-27 00:16:18

Local clock offset: -1.053 ms

Remote clock offset: 6.14 ms

Below is generated by plot.py at 2019-08-27 03:24:40

Datalink statistics

-- Total of 3 flows:

Average throughput: 95.23 Mbit/s

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

Loss rate: 0.01%

-- Flow 1:

Average throughput: 58.79 Mbit/s

95th percentile per-packet one-way delay: 43.146 ms

Loss rate: 0.01%

-- Flow 2:

Average throughput: 40.19 Mbit/s

95th percentile per-packet one-way delay: 38.837 ms

Loss rate: 0.00%

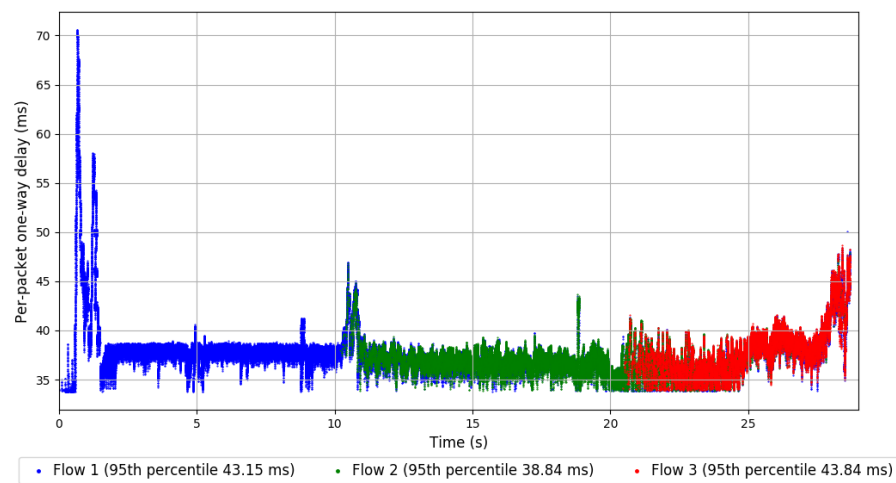
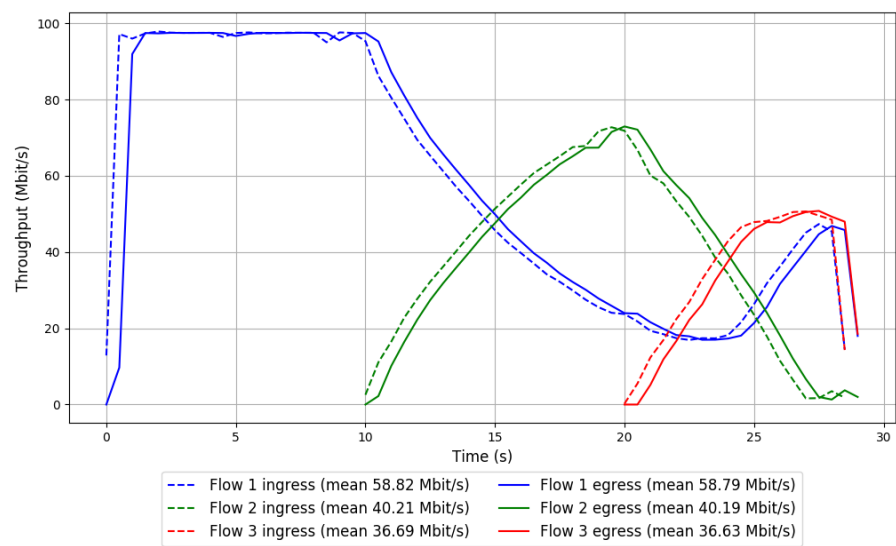
-- Flow 3:

Average throughput: 36.63 Mbit/s

95th percentile per-packet one-way delay: 43.835 ms

Loss rate: 0.05%

Run 2: Report of Indigo-MusesD — Data Link



Run 3: Statistics of Indigo-MusesD

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

End at: 2019-08-27 01:08:51

Local clock offset: -0.982 ms

Remote clock offset: 5.824 ms

Below is generated by plot.py at 2019-08-27 03:24:44

Datalink statistics

-- Total of 3 flows:

Average throughput: 95.74 Mbit/s

95th percentile per-packet one-way delay: 41.506 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 56.39 Mbit/s

95th percentile per-packet one-way delay: 40.963 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 42.17 Mbit/s

95th percentile per-packet one-way delay: 42.090 ms

Loss rate: 0.00%

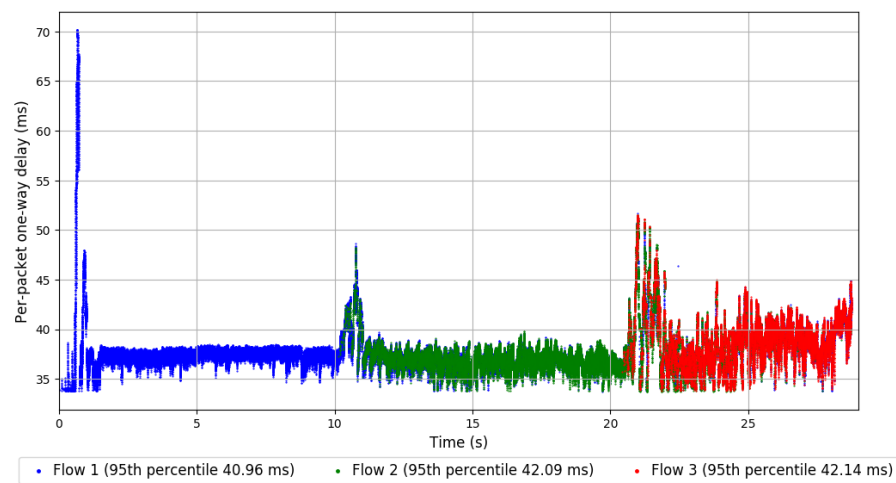
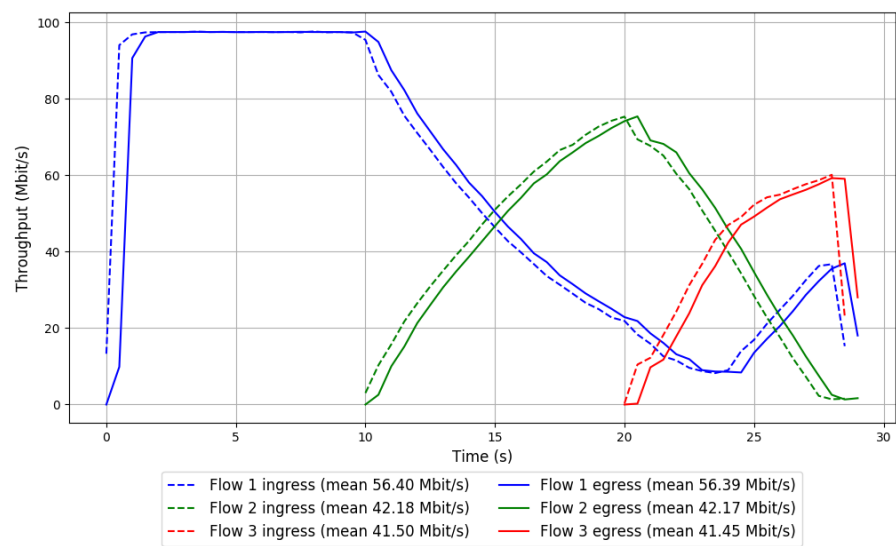
-- Flow 3:

Average throughput: 41.45 Mbit/s

95th percentile per-packet one-way delay: 42.136 ms

Loss rate: 0.03%

Run 3: Report of Indigo-MusesD — Data Link



Run 4: Statistics of Indigo-MusesD

Start at: 2019-08-27 01:58:36

End at: 2019-08-27 01:59:06

Local clock offset: -0.902 ms

Remote clock offset: 3.042 ms

Below is generated by plot.py at 2019-08-27 03:24:49

Datalink statistics

-- Total of 3 flows:

Average throughput: 95.74 Mbit/s

95th percentile per-packet one-way delay: 40.523 ms

Loss rate: 0.12%

-- Flow 1:

Average throughput: 56.54 Mbit/s

95th percentile per-packet one-way delay: 40.293 ms

Loss rate: 0.21%

-- Flow 2:

Average throughput: 44.87 Mbit/s

95th percentile per-packet one-way delay: 40.296 ms

Loss rate: 0.00%

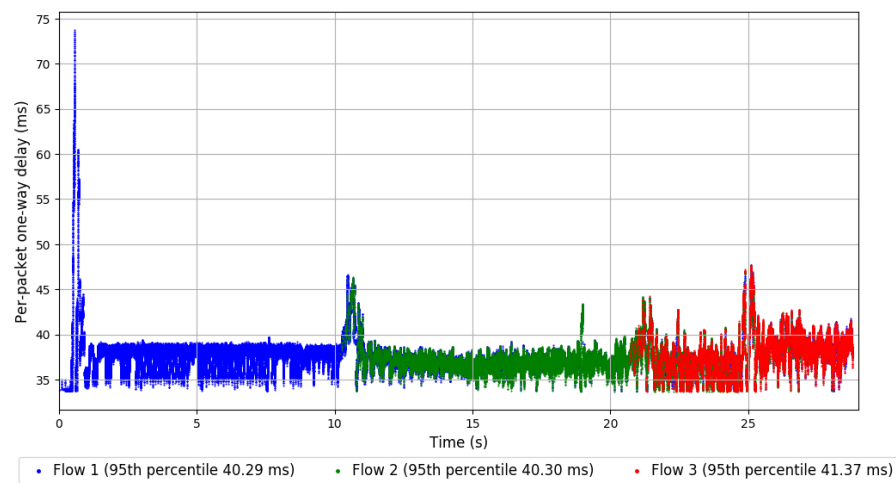
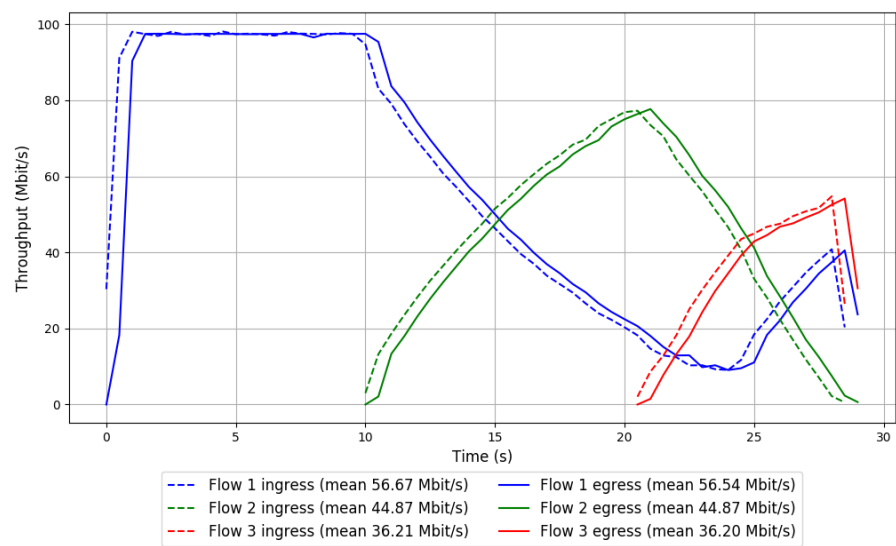
-- Flow 3:

Average throughput: 36.20 Mbit/s

95th percentile per-packet one-way delay: 41.372 ms

Loss rate: 0.00%

Run 4: Report of Indigo-MusesD — Data Link



Run 5: Statistics of Indigo-MusesD

Start at: 2019-08-27 02:45:50

End at: 2019-08-27 02:46:20

Local clock offset: -1.267 ms

Remote clock offset: 4.269 ms

Below is generated by plot.py at 2019-08-27 03:24:56

Datalink statistics

-- Total of 3 flows:

Average throughput: 95.85 Mbit/s

95th percentile per-packet one-way delay: 57.586 ms

Loss rate: 0.02%

-- Flow 1:

Average throughput: 52.14 Mbit/s

95th percentile per-packet one-way delay: 39.646 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 64.32 Mbit/s

95th percentile per-packet one-way delay: 59.961 ms

Loss rate: 0.04%

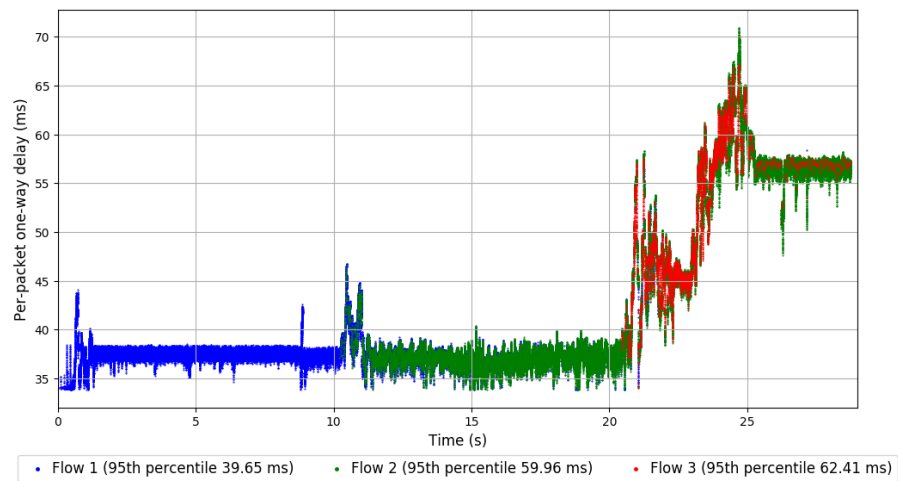
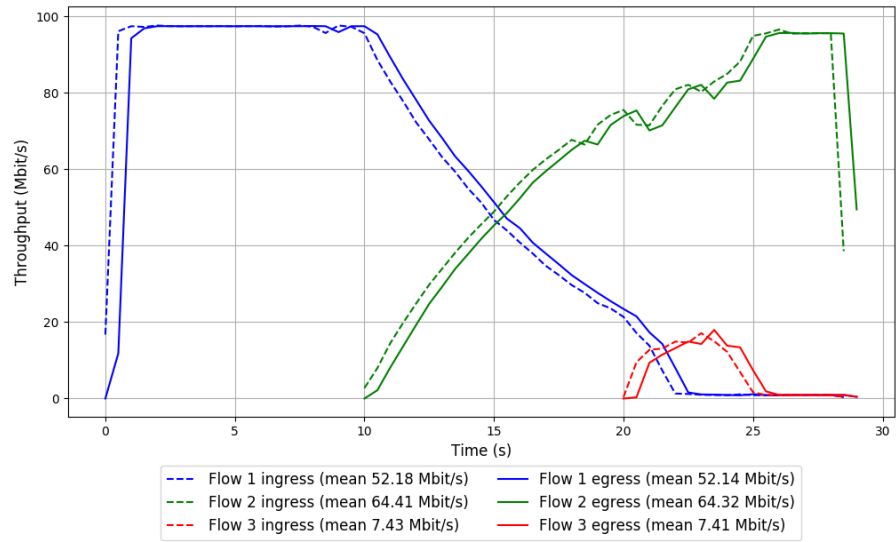
-- Flow 3:

Average throughput: 7.41 Mbit/s

95th percentile per-packet one-way delay: 62.409 ms

Loss rate: 0.00%

Run 5: Report of Indigo-MusesD — Data Link



Run 1: Statistics of Indigo-MusesT

Start at: 2019-08-26 23:45:17

End at: 2019-08-26 23:45:47

Local clock offset: -0.881 ms

Remote clock offset: 5.2 ms

Below is generated by plot.py at 2019-08-27 03:25:36

Datalink statistics

-- Total of 3 flows:

Average throughput: 90.88 Mbit/s

95th percentile per-packet one-way delay: 67.568 ms

Loss rate: 22.08%

-- Flow 1:

Average throughput: 65.06 Mbit/s

95th percentile per-packet one-way delay: 65.511 ms

Loss rate: 16.92%

-- Flow 2:

Average throughput: 38.78 Mbit/s

95th percentile per-packet one-way delay: 69.530 ms

Loss rate: 32.64%

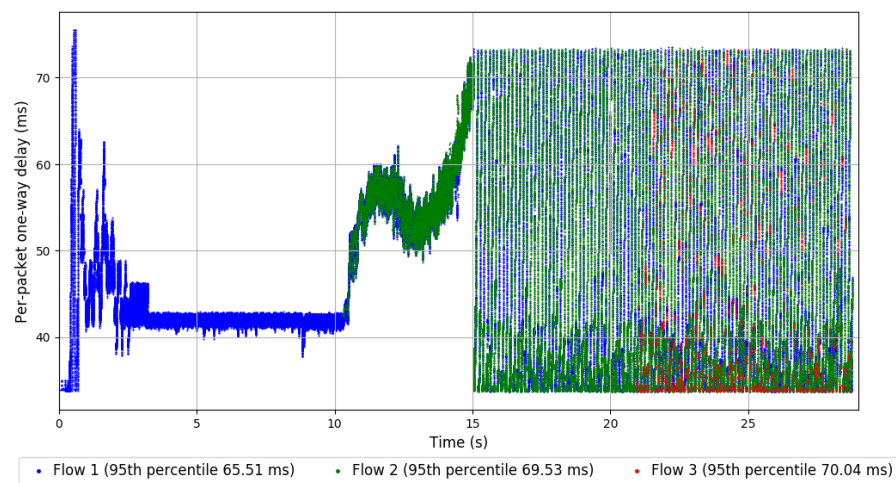
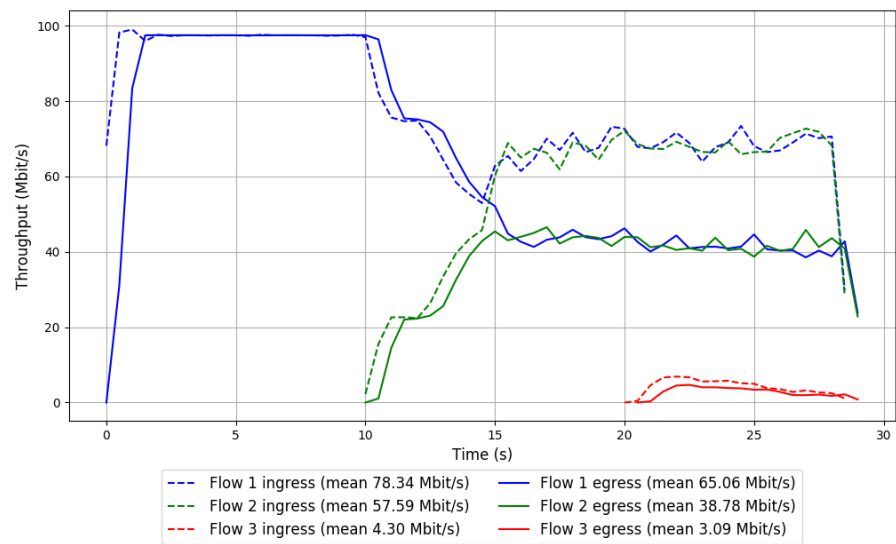
-- Flow 3:

Average throughput: 3.09 Mbit/s

95th percentile per-packet one-way delay: 70.043 ms

Loss rate: 32.44%

Run 1: Report of Indigo-MusesT — Data Link



Run 2: Statistics of Indigo-MusesT

Start at: 2019-08-27 00:33:02

End at: 2019-08-27 00:33:32

Local clock offset: -1.14 ms

Remote clock offset: 4.453 ms

Below is generated by plot.py at 2019-08-27 03:25:37

Datalink statistics

-- Total of 3 flows:

Average throughput: 89.21 Mbit/s

95th percentile per-packet one-way delay: 68.193 ms

Loss rate: 28.65%

-- Flow 1:

Average throughput: 61.14 Mbit/s

95th percentile per-packet one-way delay: 66.339 ms

Loss rate: 23.02%

-- Flow 2:

Average throughput: 43.29 Mbit/s

95th percentile per-packet one-way delay: 70.110 ms

Loss rate: 38.52%

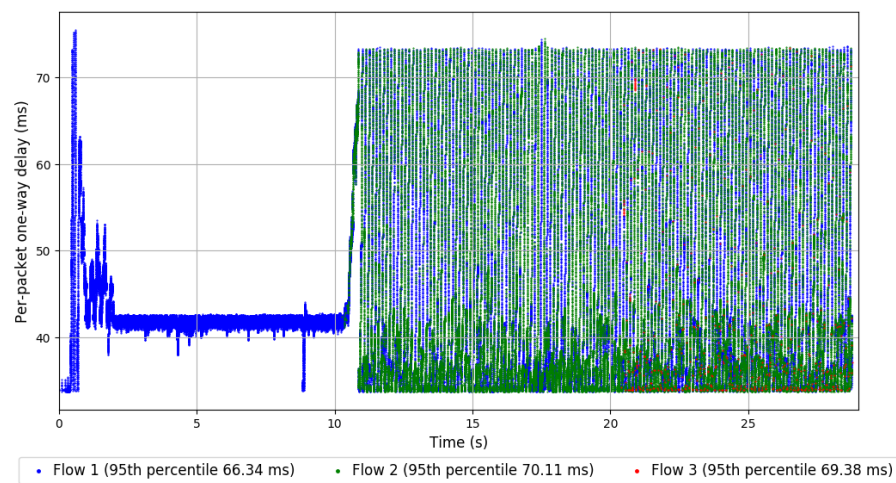
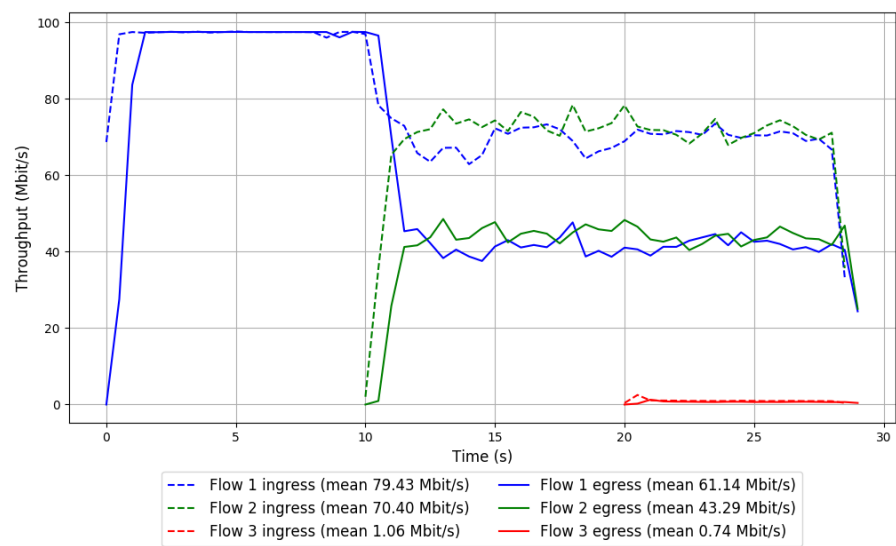
-- Flow 3:

Average throughput: 0.74 Mbit/s

95th percentile per-packet one-way delay: 69.380 ms

Loss rate: 30.30%

Run 2: Report of Indigo-MusesT — Data Link



Run 3: Statistics of Indigo-MusesT

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

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

Local clock offset: -0.925 ms

Remote clock offset: 5.51 ms

Below is generated by plot.py at 2019-08-27 03:25:47

Datalink statistics

-- Total of 3 flows:

Average throughput: 94.41 Mbit/s

95th percentile per-packet one-way delay: 68.851 ms

Loss rate: 9.33%

-- Flow 1:

Average throughput: 55.85 Mbit/s

95th percentile per-packet one-way delay: 67.724 ms

Loss rate: 5.72%

-- Flow 2:

Average throughput: 53.11 Mbit/s

95th percentile per-packet one-way delay: 69.699 ms

Loss rate: 12.11%

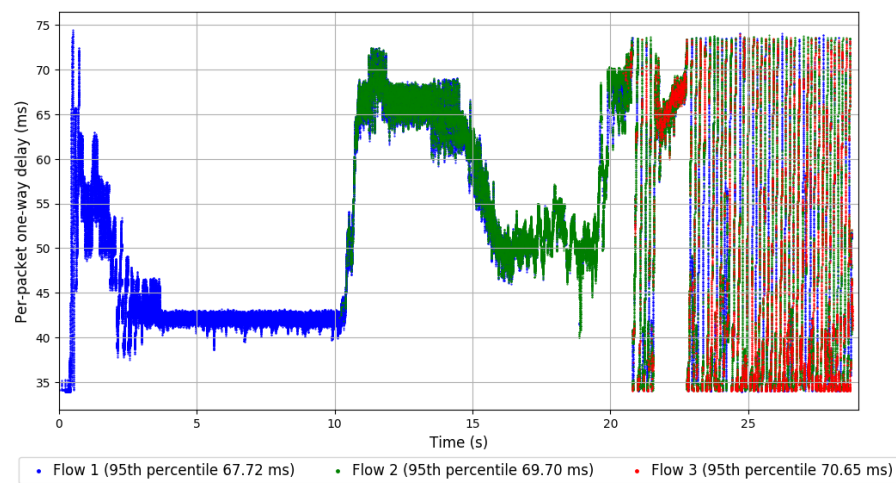
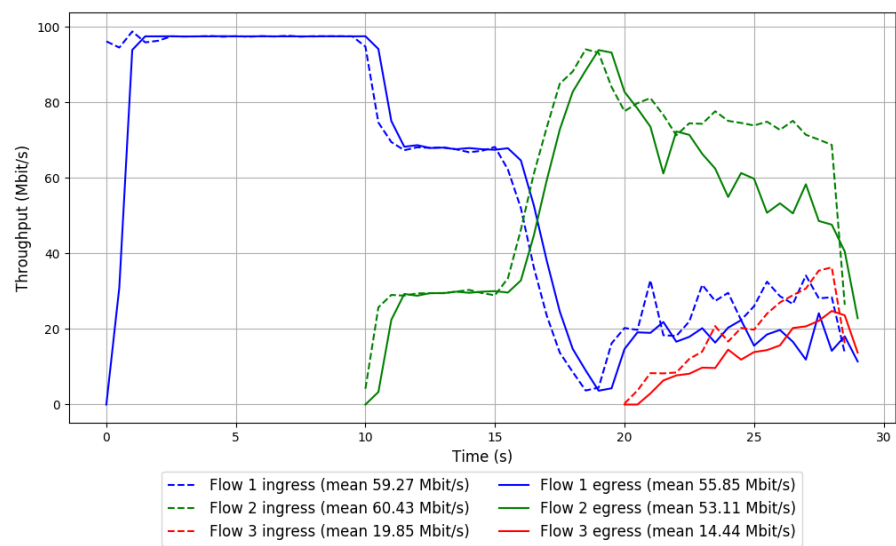
-- Flow 3:

Average throughput: 14.44 Mbit/s

95th percentile per-packet one-way delay: 70.650 ms

Loss rate: 27.49%

Run 3: Report of Indigo-MusesT — Data Link



Run 4: Statistics of Indigo-MusesT

Start at: 2019-08-27 02:13:31

End at: 2019-08-27 02:14:01

Local clock offset: -0.963 ms

Remote clock offset: 3.126 ms

Below is generated by plot.py at 2019-08-27 03:25:55

Datalink statistics

-- Total of 3 flows:

Average throughput: 89.36 Mbit/s

95th percentile per-packet one-way delay: 68.347 ms

Loss rate: 27.83%

-- Flow 1:

Average throughput: 62.03 Mbit/s

95th percentile per-packet one-way delay: 66.955 ms

Loss rate: 22.27%

-- Flow 2:

Average throughput: 40.92 Mbit/s

95th percentile per-packet one-way delay: 70.046 ms

Loss rate: 38.10%

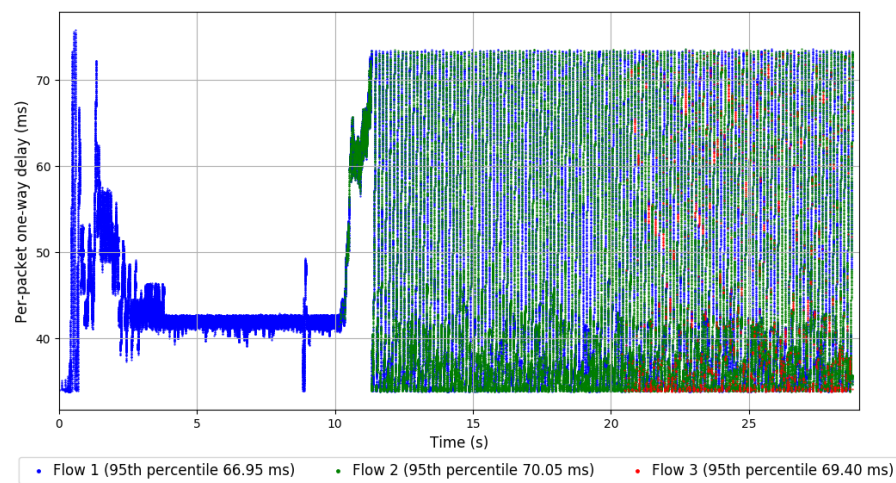
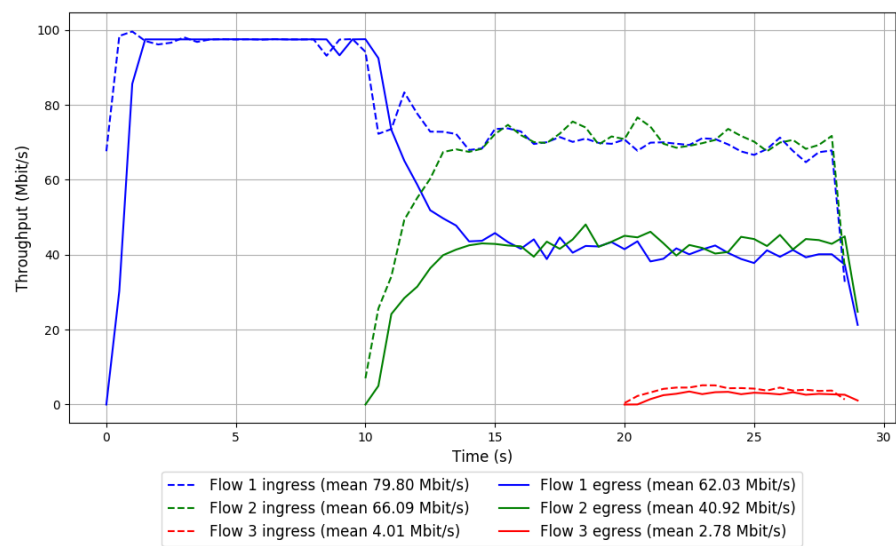
-- Flow 3:

Average throughput: 2.78 Mbit/s

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

Loss rate: 30.61%

Run 4: Report of Indigo-MusesT — Data Link



Run 5: Statistics of Indigo-MusesT

Start at: 2019-08-27 03:06:17

End at: 2019-08-27 03:06:47

Local clock offset: -1.359 ms

Remote clock offset: 4.345 ms

Below is generated by plot.py at 2019-08-27 03:25:55

Datalink statistics

-- Total of 3 flows:

Average throughput: 91.76 Mbit/s

95th percentile per-packet one-way delay: 68.889 ms

Loss rate: 19.59%

-- Flow 1:

Average throughput: 55.13 Mbit/s

95th percentile per-packet one-way delay: 67.013 ms

Loss rate: 15.05%

-- Flow 2:

Average throughput: 55.94 Mbit/s

95th percentile per-packet one-way delay: 70.248 ms

Loss rate: 25.61%

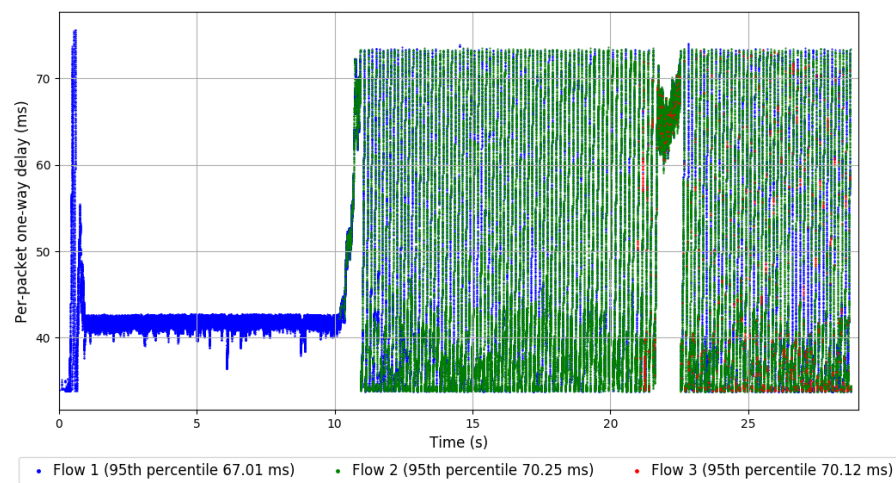
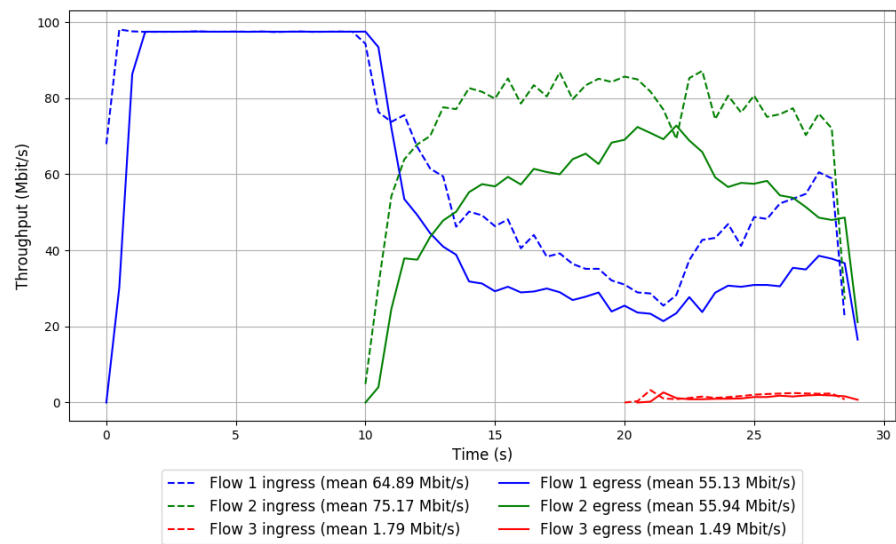
-- Flow 3:

Average throughput: 1.49 Mbit/s

95th percentile per-packet one-way delay: 70.117 ms

Loss rate: 21.92%

Run 5: Report of Indigo-MusesT — Data Link

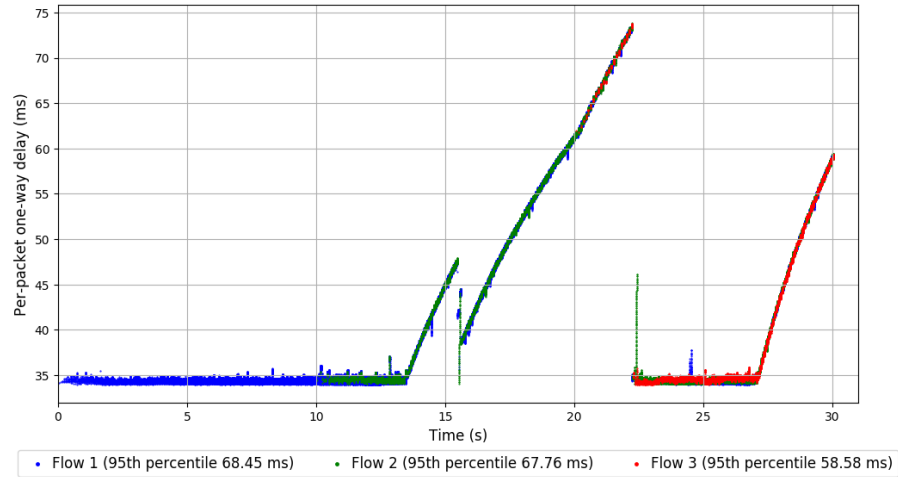
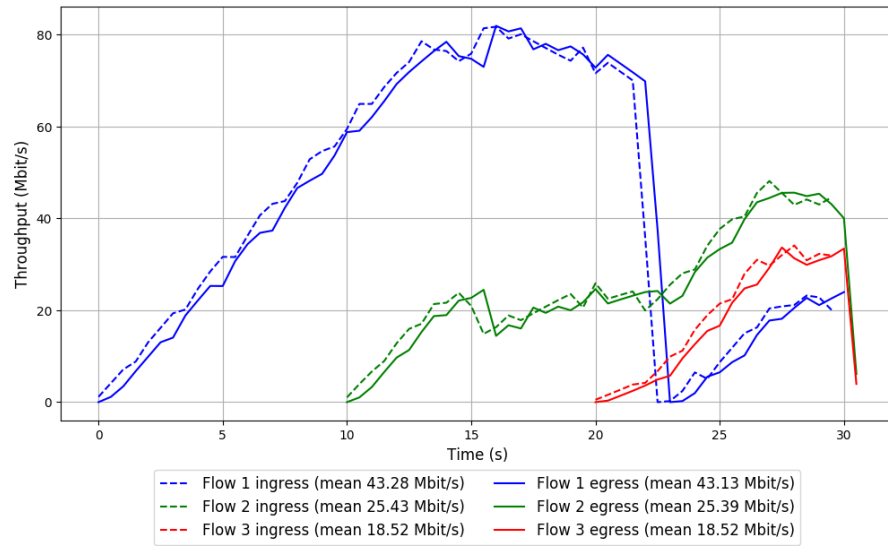


```
Run 1: Statistics of LEDBAT

Start at: 2019-08-26 23:39:29
End at: 2019-08-26 23:39:59
Local clock offset: -0.832 ms
Remote clock offset: 4.706 ms

# Below is generated by plot.py at 2019-08-27 03:25:55
# Datalink statistics
-- Total of 3 flows:
Average throughput: 66.09 Mbit/s
95th percentile per-packet one-way delay: 67.960 ms
Loss rate: 0.19%
-- Flow 1:
Average throughput: 43.13 Mbit/s
95th percentile per-packet one-way delay: 68.452 ms
Loss rate: 0.26%
-- Flow 2:
Average throughput: 25.39 Mbit/s
95th percentile per-packet one-way delay: 67.758 ms
Loss rate: 0.06%
-- Flow 3:
Average throughput: 18.52 Mbit/s
95th percentile per-packet one-way delay: 58.584 ms
Loss rate: 0.03%
```

Run 1: Report of LEDBAT — Data Link



Run 2: Statistics of LEDBAT

Start at: 2019-08-27 00:26:38

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

Local clock offset: -1.118 ms

Remote clock offset: 4.917 ms

Below is generated by plot.py at 2019-08-27 03:25:55

Datalink statistics

-- Total of 3 flows:

Average throughput: 61.56 Mbit/s

95th percentile per-packet one-way delay: 68.288 ms

Loss rate: 0.21%

-- Flow 1:

Average throughput: 40.92 Mbit/s

95th percentile per-packet one-way delay: 68.486 ms

Loss rate: 0.11%

-- Flow 2:

Average throughput: 19.16 Mbit/s

95th percentile per-packet one-way delay: 69.944 ms

Loss rate: 0.63%

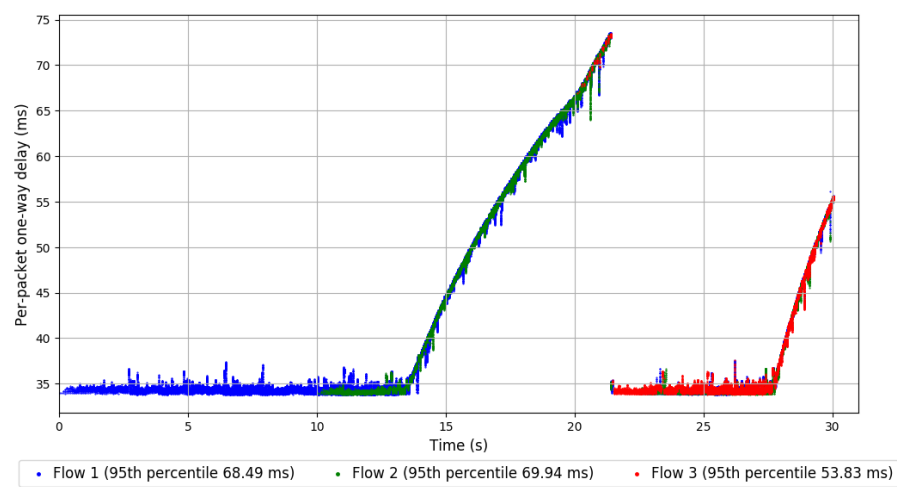
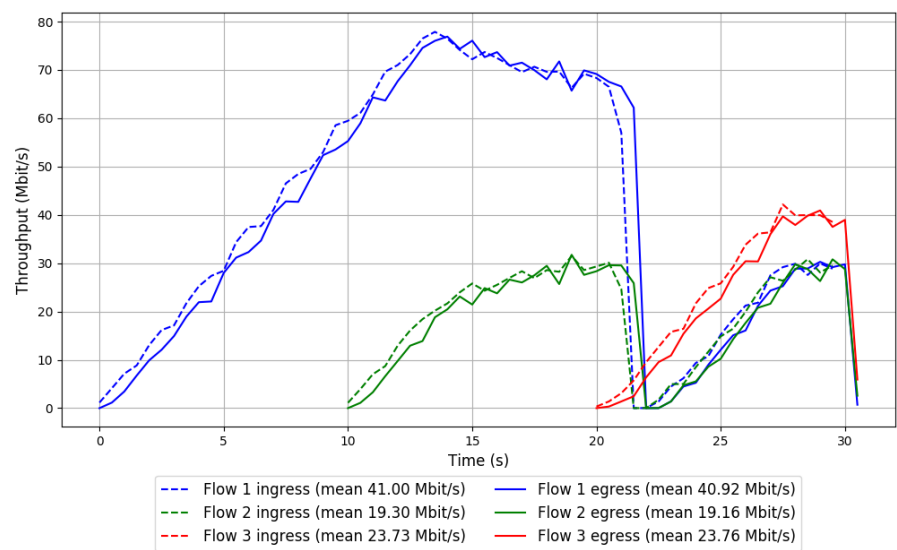
-- Flow 3:

Average throughput: 23.76 Mbit/s

95th percentile per-packet one-way delay: 53.834 ms

Loss rate: 0.01%

Run 2: Report of LEDBAT — Data Link



Run 3: Statistics of LEDBAT

Start at: 2019-08-27 01:19:29

End at: 2019-08-27 01:19:59

Local clock offset: -0.928 ms

Remote clock offset: 6.104 ms

Below is generated by plot.py at 2019-08-27 03:25:55

Datalink statistics

-- Total of 3 flows:

Average throughput: 61.58 Mbit/s

95th percentile per-packet one-way delay: 68.241 ms

Loss rate: 0.20%

-- Flow 1:

Average throughput: 40.53 Mbit/s

95th percentile per-packet one-way delay: 68.418 ms

Loss rate: 0.23%

-- Flow 2:

Average throughput: 19.75 Mbit/s

95th percentile per-packet one-way delay: 69.699 ms

Loss rate: 0.23%

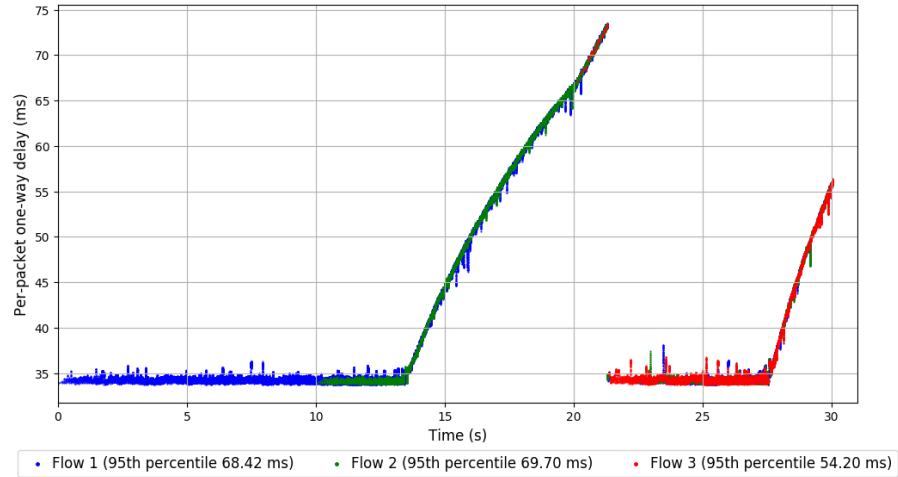
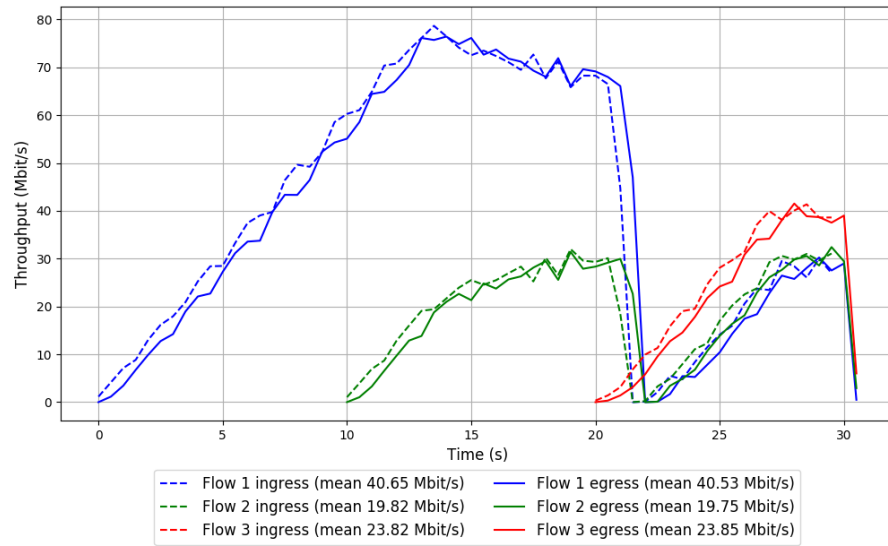
-- Flow 3:

Average throughput: 23.85 Mbit/s

95th percentile per-packet one-way delay: 54.201 ms

Loss rate: 0.00%

Run 3: Report of LEDBAT — Data Link



Run 4: Statistics of LEDBAT

Start at: 2019-08-27 02:07:59

End at: 2019-08-27 02:08:29

Local clock offset: -0.918 ms

Remote clock offset: 3.124 ms

Below is generated by plot.py at 2019-08-27 03:26:18

Datalink statistics

-- Total of 3 flows:

Average throughput: 61.04 Mbit/s

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

Loss rate: 0.21%

-- Flow 1:

Average throughput: 40.81 Mbit/s

95th percentile per-packet one-way delay: 68.451 ms

Loss rate: 0.15%

-- Flow 2:

Average throughput: 19.41 Mbit/s

95th percentile per-packet one-way delay: 69.904 ms

Loss rate: 0.51%

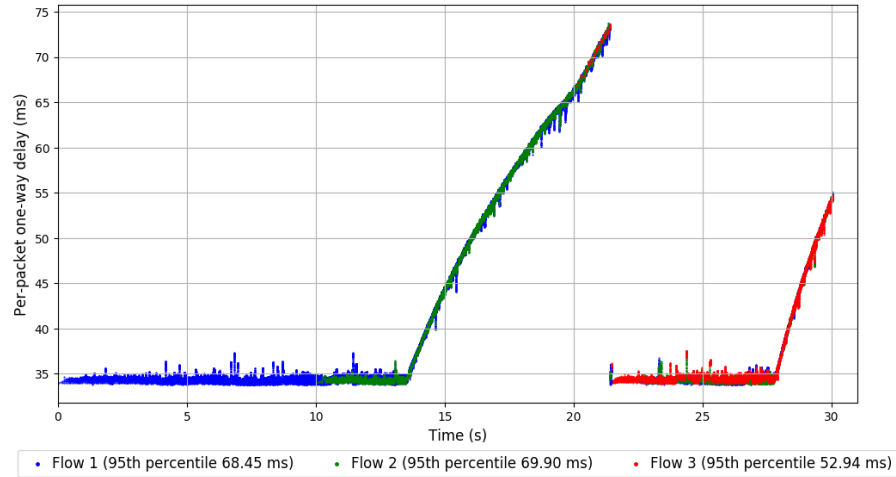
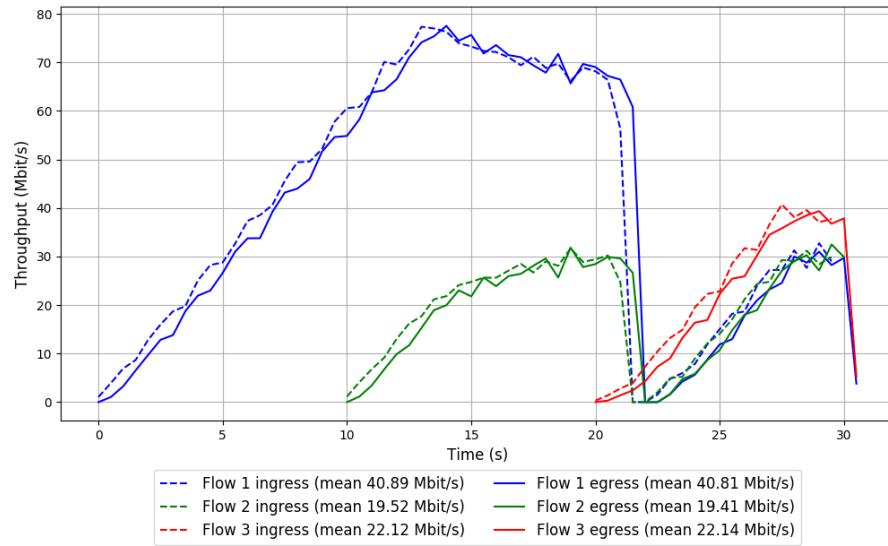
-- Flow 3:

Average throughput: 22.14 Mbit/s

95th percentile per-packet one-way delay: 52.943 ms

Loss rate: 0.01%

Run 4: Report of LEDBAT — Data Link



Run 5: Statistics of LEDBAT

Start at: 2019-08-27 02:57:36

End at: 2019-08-27 02:58:06

Local clock offset: -1.324 ms

Remote clock offset: 4.189 ms

Below is generated by plot.py at 2019-08-27 03:26:19

Datalink statistics

-- Total of 3 flows:

Average throughput: 61.42 Mbit/s

95th percentile per-packet one-way delay: 68.251 ms

Loss rate: 0.21%

-- Flow 1:

Average throughput: 40.92 Mbit/s

95th percentile per-packet one-way delay: 68.384 ms

Loss rate: 0.08%

-- Flow 2:

Average throughput: 18.84 Mbit/s

95th percentile per-packet one-way delay: 69.620 ms

Loss rate: 0.73%

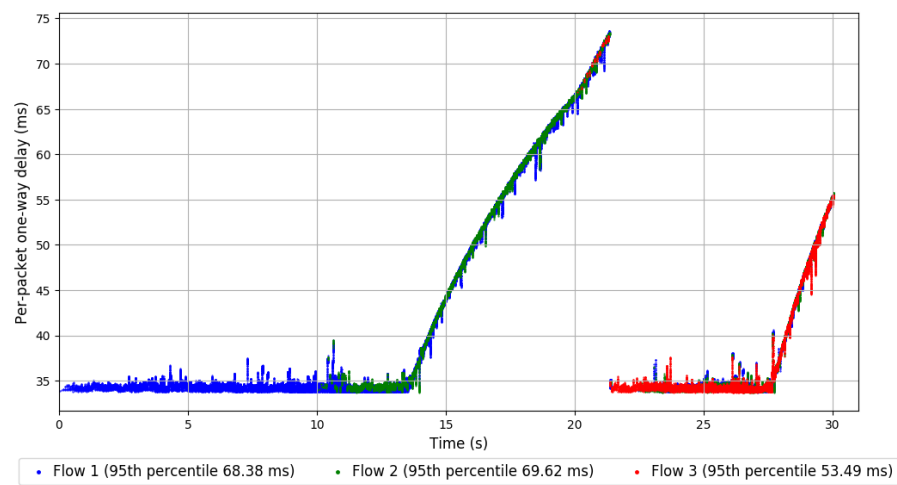
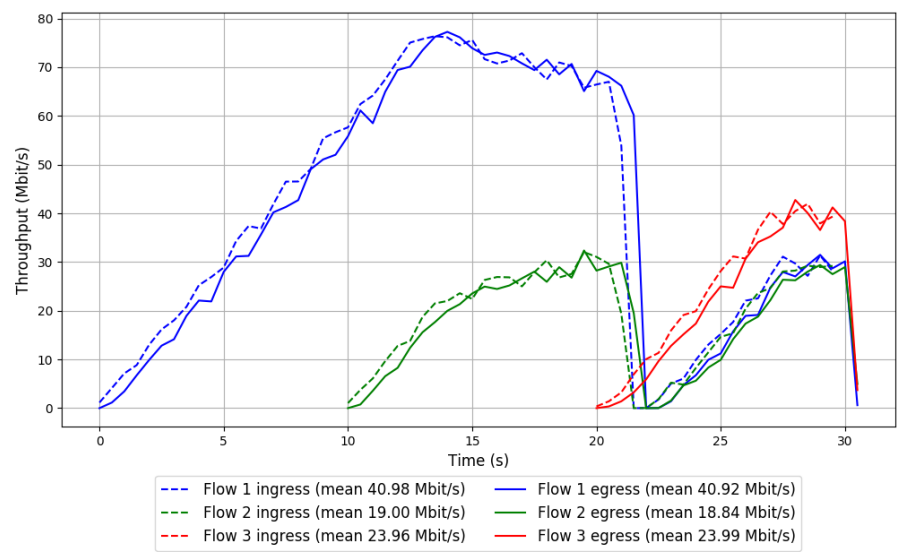
-- Flow 3:

Average throughput: 23.99 Mbit/s

95th percentile per-packet one-way delay: 53.488 ms

Loss rate: 0.00%

Run 5: Report of LEDBAT — Data Link



Run 1: Statistics of Muses_DecisionTree

Start at: 2019-08-26 23:11:48

End at: 2019-08-26 23:12:18

Local clock offset: -0.56 ms

Remote clock offset: 4.972 ms

Below is generated by plot.py at 2019-08-27 03:26:48

Datalink statistics

-- Total of 3 flows:

Average throughput: 93.68 Mbit/s

95th percentile per-packet one-way delay: 44.691 ms

Loss rate: 0.08%

-- Flow 1:

Average throughput: 43.77 Mbit/s

95th percentile per-packet one-way delay: 42.003 ms

Loss rate: 0.17%

-- Flow 2:

Average throughput: 47.42 Mbit/s

95th percentile per-packet one-way delay: 45.507 ms

Loss rate: 0.00%

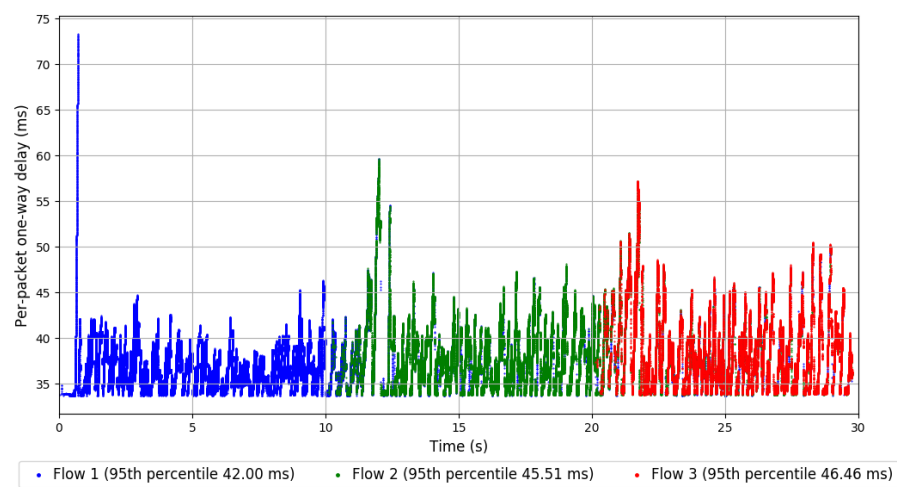
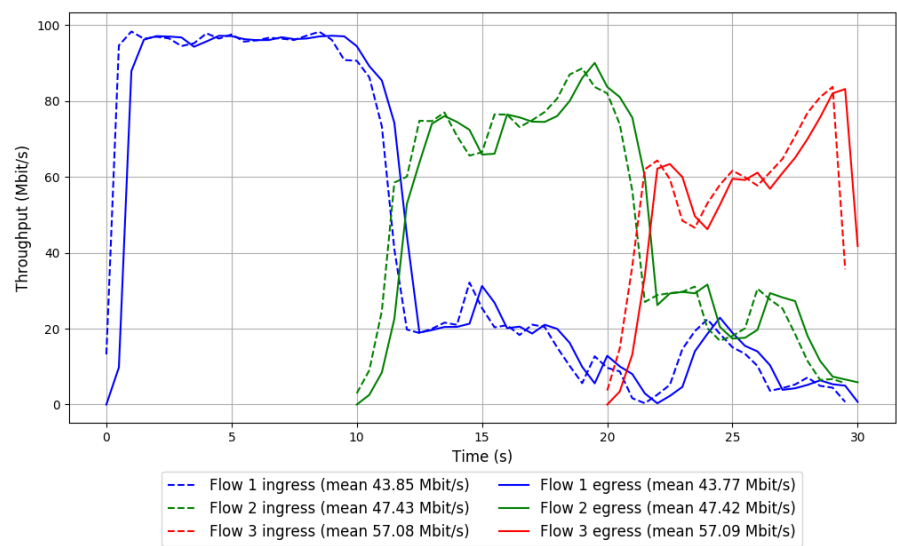
-- Flow 3:

Average throughput: 57.09 Mbit/s

95th percentile per-packet one-way delay: 46.457 ms

Loss rate: 0.00%

Run 1: Report of Muses_DecisionTree — Data Link



Run 2: Statistics of Muses_DecisionTree

Start at: 2019-08-26 23:56:46

End at: 2019-08-26 23:57:16

Local clock offset: -1.032 ms

Remote clock offset: 6.077 ms

Below is generated by plot.py at 2019-08-27 03:26:50

Datalink statistics

-- Total of 3 flows:

Average throughput: 94.12 Mbit/s

95th percentile per-packet one-way delay: 44.828 ms

Loss rate: 0.08%

-- Flow 1:

Average throughput: 56.27 Mbit/s

95th percentile per-packet one-way delay: 42.511 ms

Loss rate: 0.13%

-- Flow 2:

Average throughput: 21.91 Mbit/s

95th percentile per-packet one-way delay: 45.774 ms

Loss rate: 0.00%

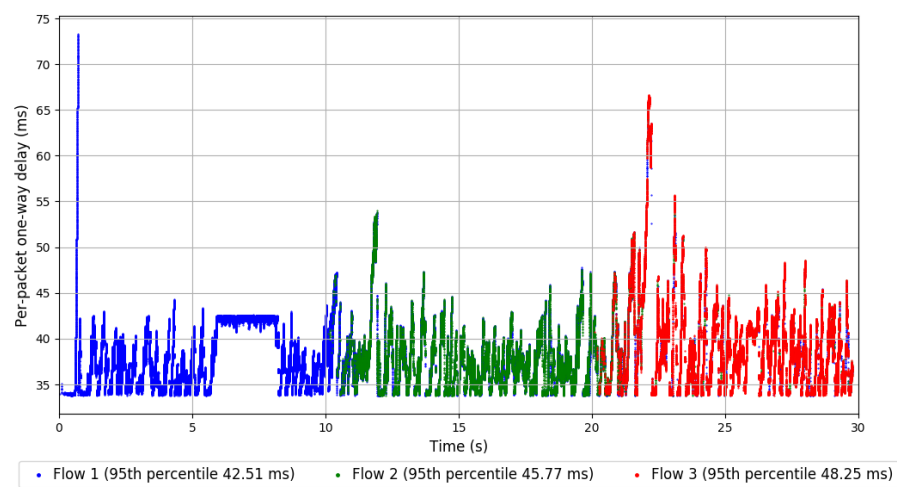
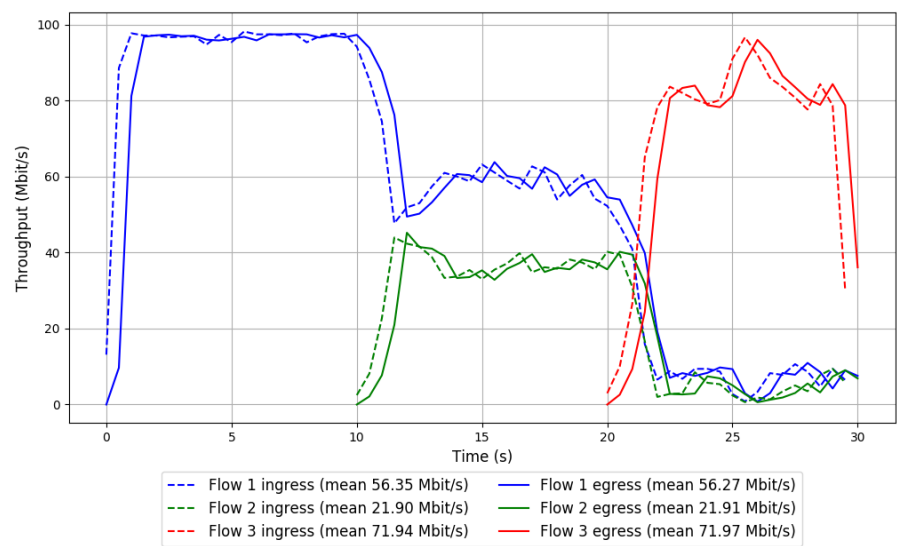
-- Flow 3:

Average throughput: 71.97 Mbit/s

95th percentile per-packet one-way delay: 48.249 ms

Loss rate: 0.00%

Run 2: Report of Muses_DecisionTree — Data Link



Run 3: Statistics of Muses_DecisionTree

Start at: 2019-08-27 00:46:19

End at: 2019-08-27 00:46:50

Local clock offset: -1.171 ms

Remote clock offset: 3.923 ms

Below is generated by plot.py at 2019-08-27 03:26:58

Datalink statistics

-- Total of 3 flows:

Average throughput: 93.34 Mbit/s

95th percentile per-packet one-way delay: 45.230 ms

Loss rate: 0.30%

-- Flow 1:

Average throughput: 43.80 Mbit/s

95th percentile per-packet one-way delay: 43.018 ms

Loss rate: 0.15%

-- Flow 2:

Average throughput: 43.14 Mbit/s

95th percentile per-packet one-way delay: 46.249 ms

Loss rate: 0.05%

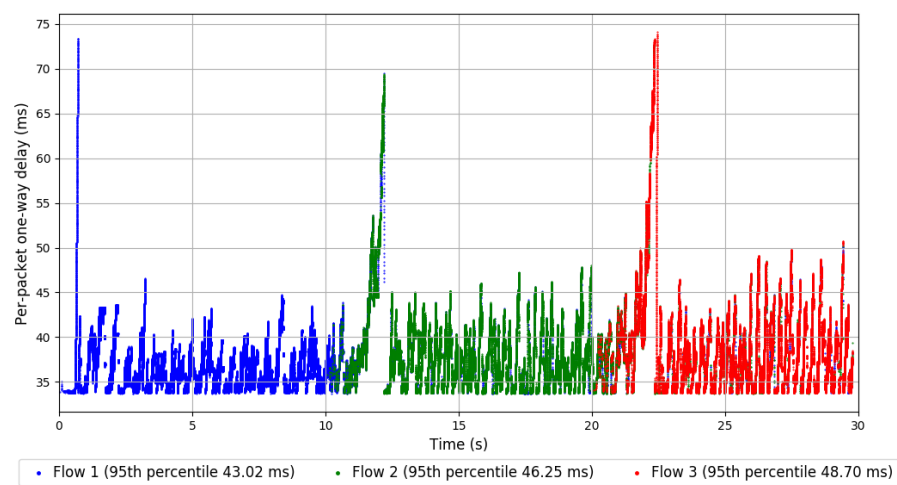
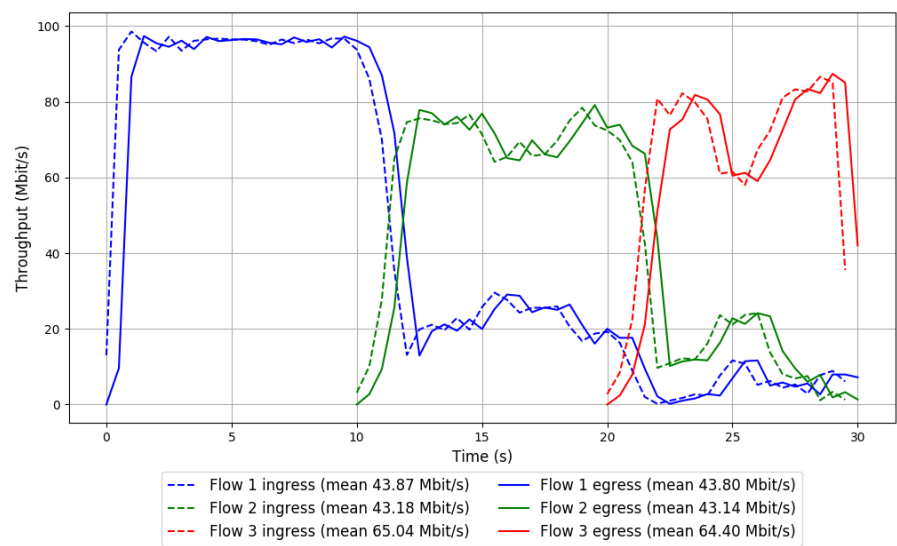
-- Flow 3:

Average throughput: 64.40 Mbit/s

95th percentile per-packet one-way delay: 48.705 ms

Loss rate: 0.95%

Run 3: Report of Muses_DecisionTree — Data Link



Run 4: Statistics of Muses_DecisionTree

Start at: 2019-08-27 01:39:26

End at: 2019-08-27 01:39:56

Local clock offset: -0.903 ms

Remote clock offset: 4.042 ms

Below is generated by plot.py at 2019-08-27 03:26:58

Datalink statistics

-- Total of 3 flows:

Average throughput: 92.11 Mbit/s

95th percentile per-packet one-way delay: 44.209 ms

Loss rate: 0.12%

-- Flow 1:

Average throughput: 55.87 Mbit/s

95th percentile per-packet one-way delay: 42.536 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 24.60 Mbit/s

95th percentile per-packet one-way delay: 43.943 ms

Loss rate: 0.02%

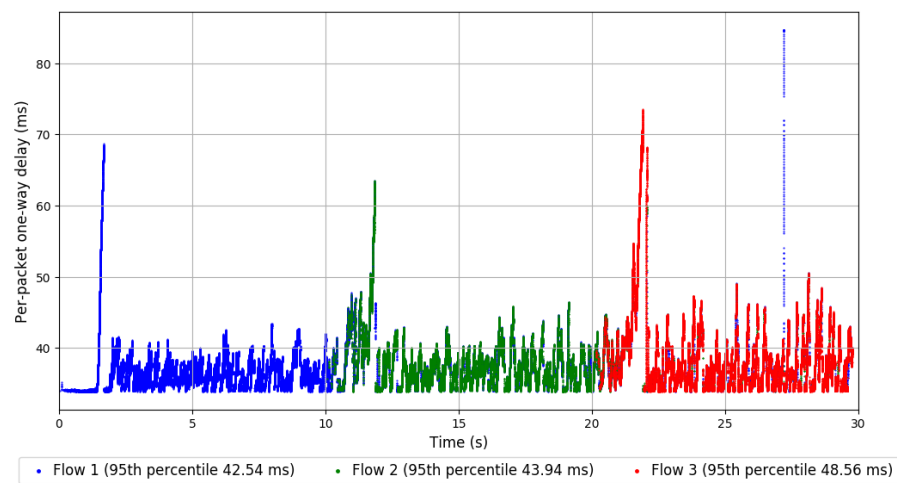
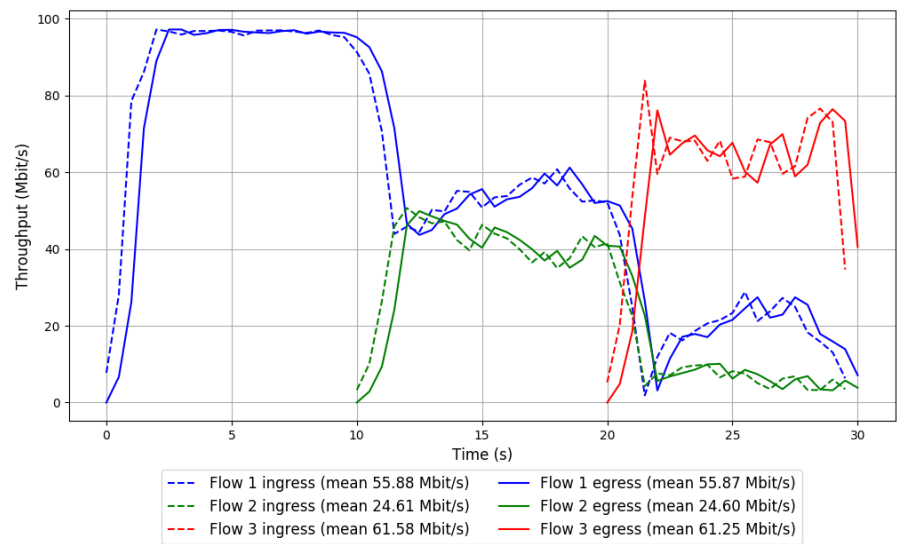
-- Flow 3:

Average throughput: 61.25 Mbit/s

95th percentile per-packet one-way delay: 48.564 ms

Loss rate: 0.54%

Run 4: Report of Muses_DecisionTree — Data Link



Run 5: Statistics of Muses_DecisionTree

Start at: 2019-08-27 02:22:50

End at: 2019-08-27 02:23:20

Local clock offset: -1.072 ms

Remote clock offset: 3.042 ms

Below is generated by plot.py at 2019-08-27 03:27:06

Datalink statistics

-- Total of 3 flows:

Average throughput: 94.20 Mbit/s

95th percentile per-packet one-way delay: 45.636 ms

Loss rate: 0.23%

-- Flow 1:

Average throughput: 38.69 Mbit/s

95th percentile per-packet one-way delay: 42.784 ms

Loss rate: 0.18%

-- Flow 2:

Average throughput: 50.49 Mbit/s

95th percentile per-packet one-way delay: 45.711 ms

Loss rate: 0.01%

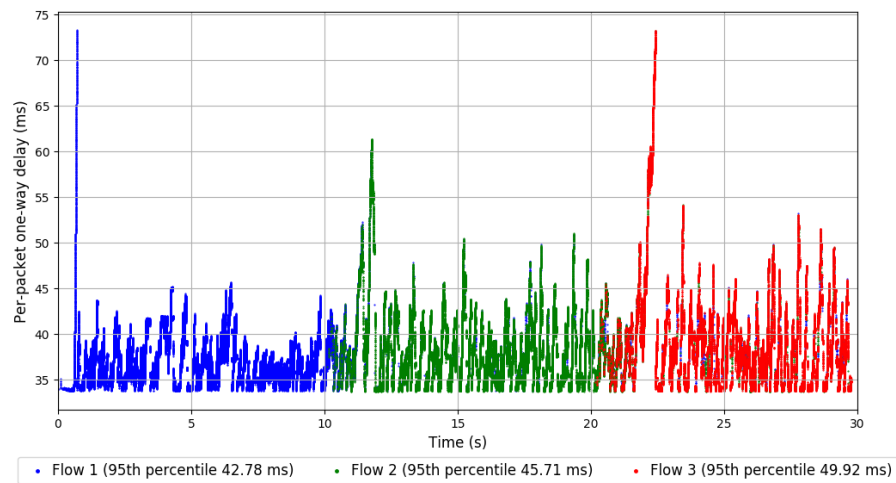
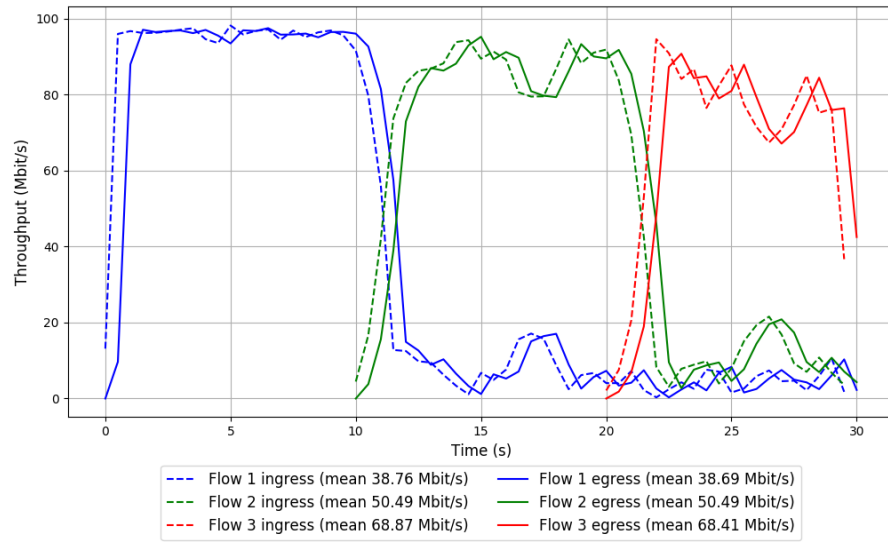
-- Flow 3:

Average throughput: 68.41 Mbit/s

95th percentile per-packet one-way delay: 49.920 ms

Loss rate: 0.65%

Run 5: Report of Muses_DecisionTree — Data Link



Run 1: Statistics of Muses_DecisionTreeH0

Start at: 2019-08-26 23:27:48

End at: 2019-08-26 23:28:18

Local clock offset: -0.696 ms

Remote clock offset: 4.395 ms

Below is generated by plot.py at 2019-08-27 03:27:06

Datalink statistics

-- Total of 3 flows:

Average throughput: 84.71 Mbit/s

95th percentile per-packet one-way delay: 63.134 ms

Loss rate: 5.21%

-- Flow 1:

Average throughput: 55.25 Mbit/s

95th percentile per-packet one-way delay: 61.385 ms

Loss rate: 3.80%

-- Flow 2:

Average throughput: 36.08 Mbit/s

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

Loss rate: 7.30%

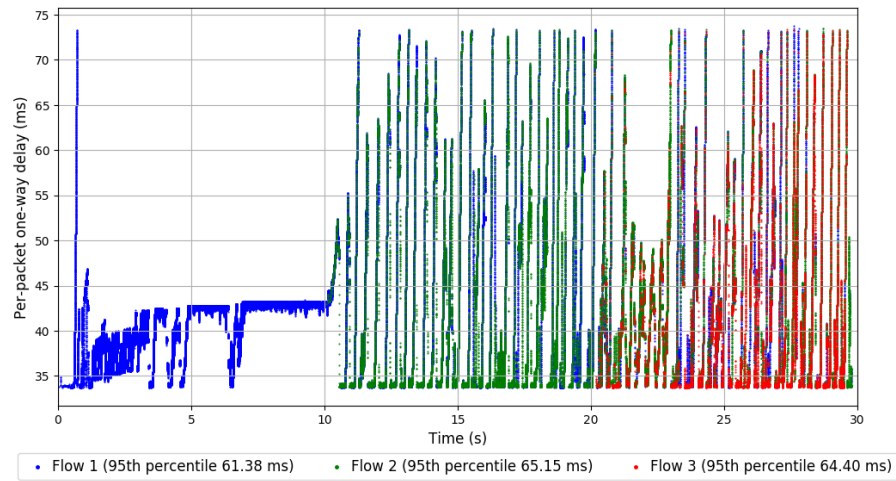
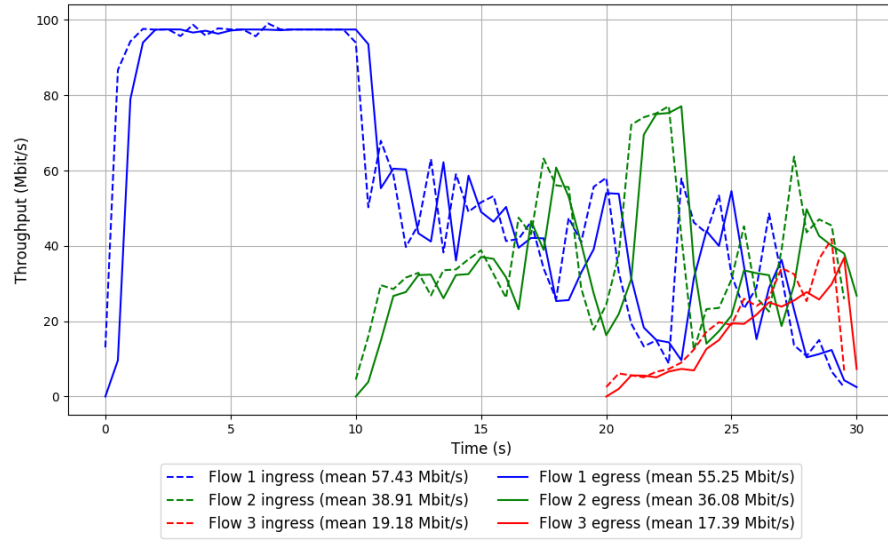
-- Flow 3:

Average throughput: 17.39 Mbit/s

95th percentile per-packet one-way delay: 64.397 ms

Loss rate: 9.59%

Run 1: Report of Muses_DecisionTreeH0 — Data Link



Run 2: Statistics of Muses_DecisionTreeH0

Start at: 2019-08-27 00:13:49

End at: 2019-08-27 00:14:19

Local clock offset: -1.092 ms

Remote clock offset: 6.45 ms

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

Datalink statistics

-- Total of 3 flows:

Average throughput: 83.89 Mbit/s

95th percentile per-packet one-way delay: 63.634 ms

Loss rate: 5.01%

-- Flow 1:

Average throughput: 62.29 Mbit/s

95th percentile per-packet one-way delay: 61.960 ms

Loss rate: 4.06%

-- Flow 2:

Average throughput: 31.14 Mbit/s

95th percentile per-packet one-way delay: 66.355 ms

Loss rate: 7.82%

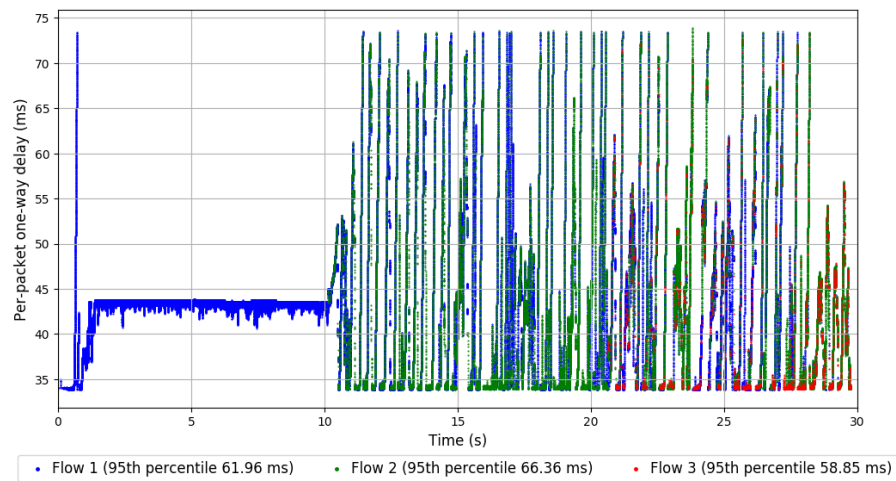
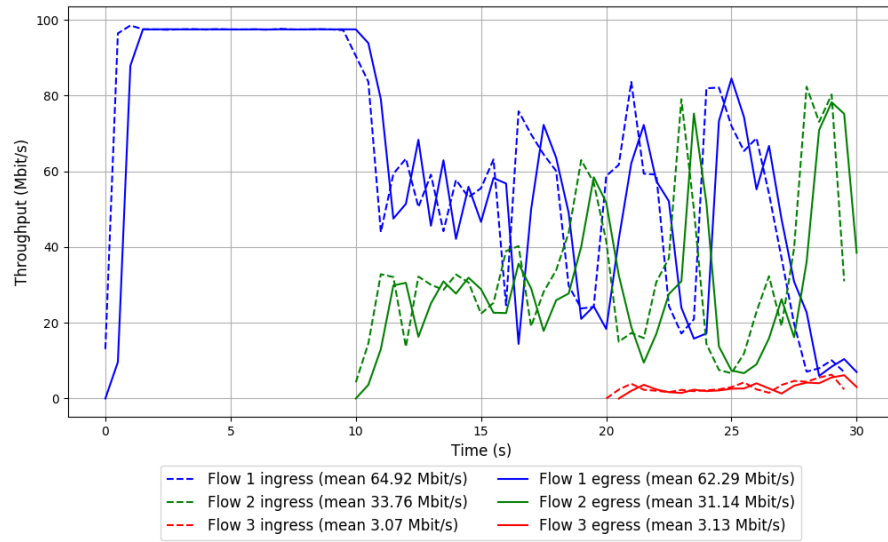
-- Flow 3:

Average throughput: 3.13 Mbit/s

95th percentile per-packet one-way delay: 58.853 ms

Loss rate: 3.43%

Run 2: Report of Muses_DecisionTreeH0 — Data Link



Run 3: Statistics of Muses_DecisionTreeH0

Start at: 2019-08-27 01:06:09

End at: 2019-08-27 01:06:39

Local clock offset: -1.005 ms

Remote clock offset: 5.619 ms

Below is generated by plot.py at 2019-08-27 03:27:28

Datalink statistics

-- Total of 3 flows:

Average throughput: 83.51 Mbit/s

95th percentile per-packet one-way delay: 63.404 ms

Loss rate: 7.18%

-- Flow 1:

Average throughput: 52.07 Mbit/s

95th percentile per-packet one-way delay: 61.811 ms

Loss rate: 6.08%

-- Flow 2:

Average throughput: 47.55 Mbit/s

95th percentile per-packet one-way delay: 64.797 ms

Loss rate: 8.94%

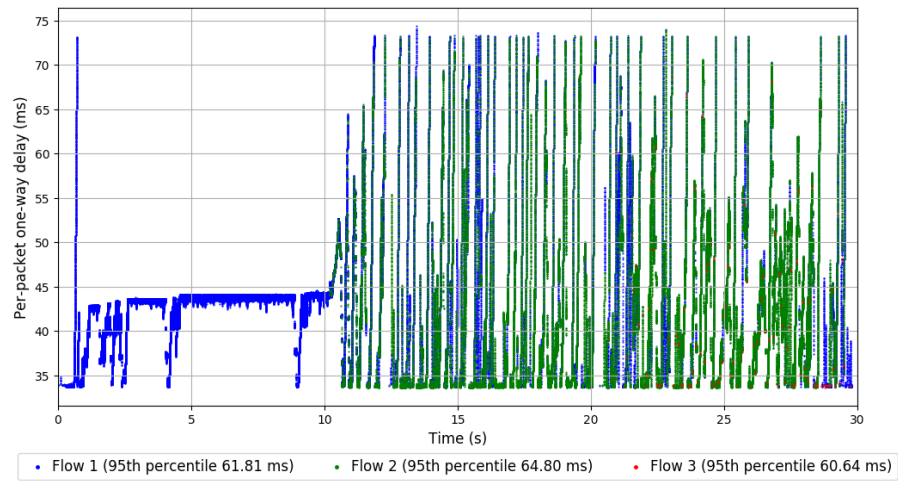
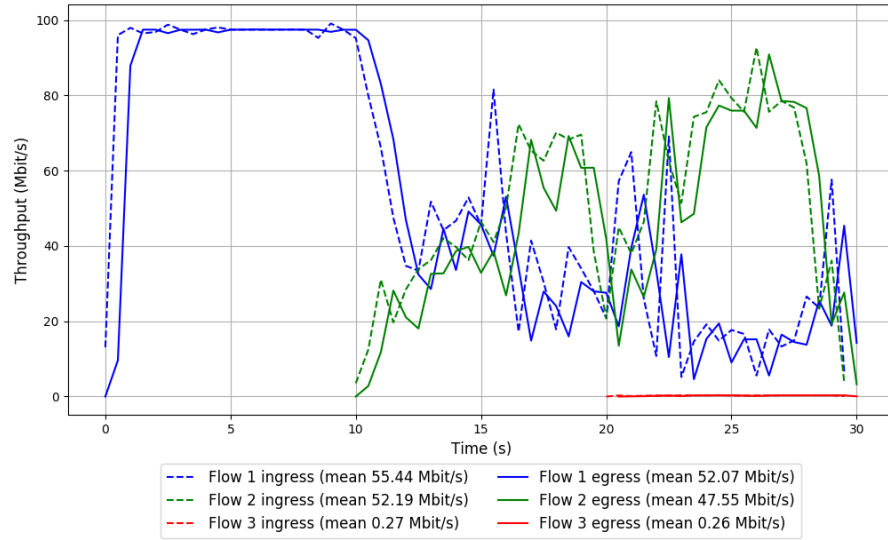
-- Flow 3:

Average throughput: 0.26 Mbit/s

95th percentile per-packet one-way delay: 60.642 ms

Loss rate: 9.43%

Run 3: Report of Muses_DecisionTreeH0 — Data Link



Run 4: Statistics of Muses_DecisionTreeH0

Start at: 2019-08-27 01:56:57

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

Local clock offset: -0.845 ms

Remote clock offset: 3.115 ms

Below is generated by plot.py at 2019-08-27 03:27:56

Datalink statistics

-- Total of 3 flows:

Average throughput: 86.49 Mbit/s

95th percentile per-packet one-way delay: 61.054 ms

Loss rate: 6.85%

-- Flow 1:

Average throughput: 56.54 Mbit/s

95th percentile per-packet one-way delay: 57.468 ms

Loss rate: 5.03%

-- Flow 2:

Average throughput: 44.63 Mbit/s

95th percentile per-packet one-way delay: 64.511 ms

Loss rate: 10.13%

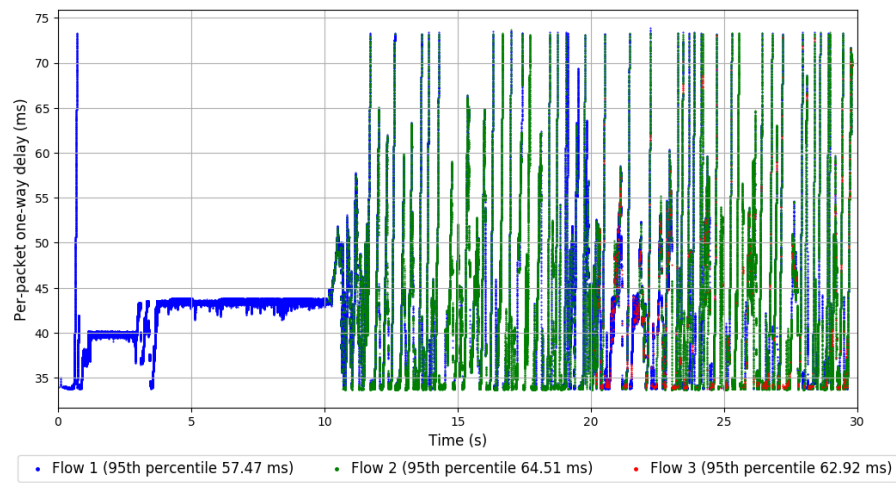
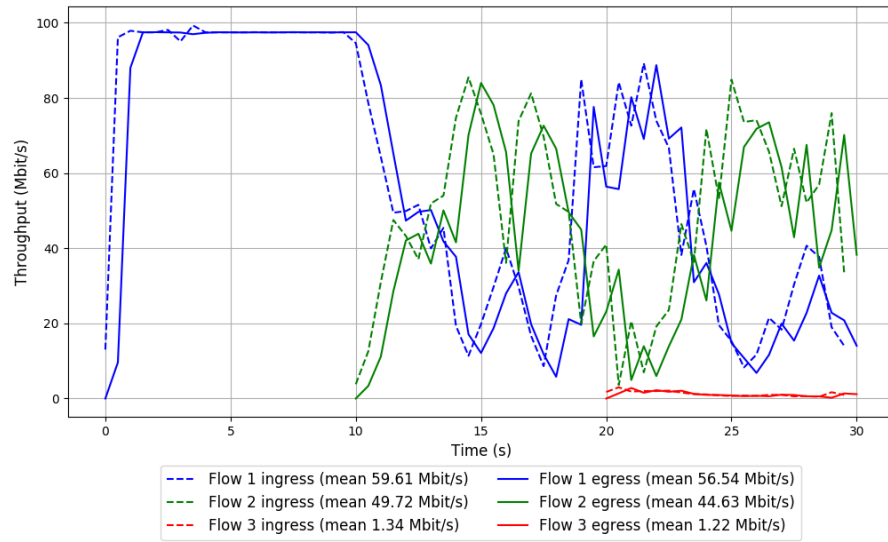
-- Flow 3:

Average throughput: 1.22 Mbit/s

95th percentile per-packet one-way delay: 62.916 ms

Loss rate: 8.51%

Run 4: Report of Muses_DecisionTreeH0 — Data Link



Run 5: Statistics of Muses_DecisionTreeH0

Start at: 2019-08-27 02:43:36

End at: 2019-08-27 02:44:06

Local clock offset: -1.245 ms

Remote clock offset: 4.163 ms

Below is generated by plot.py at 2019-08-27 03:27:57

Datalink statistics

-- Total of 3 flows:

Average throughput: 85.55 Mbit/s

95th percentile per-packet one-way delay: 59.884 ms

Loss rate: 3.77%

-- Flow 1:

Average throughput: 80.97 Mbit/s

95th percentile per-packet one-way delay: 59.272 ms

Loss rate: 3.83%

-- Flow 2:

Average throughput: 0.44 Mbit/s

95th percentile per-packet one-way delay: 63.246 ms

Loss rate: 4.12%

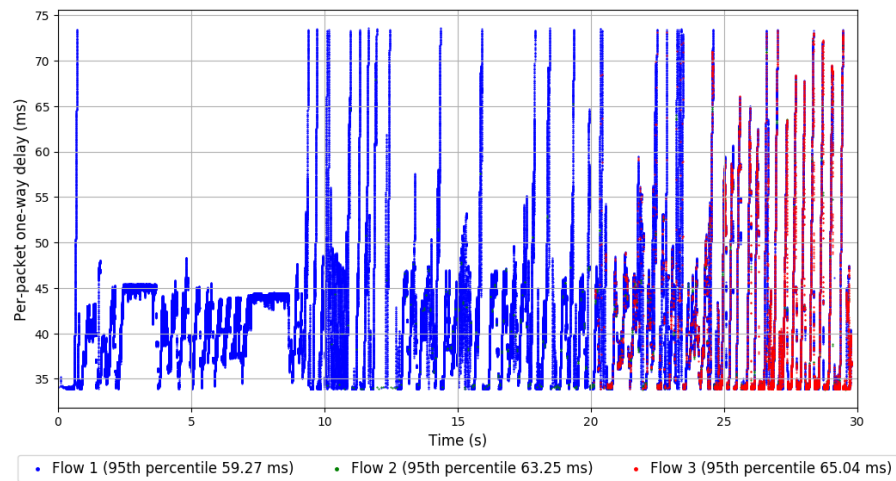
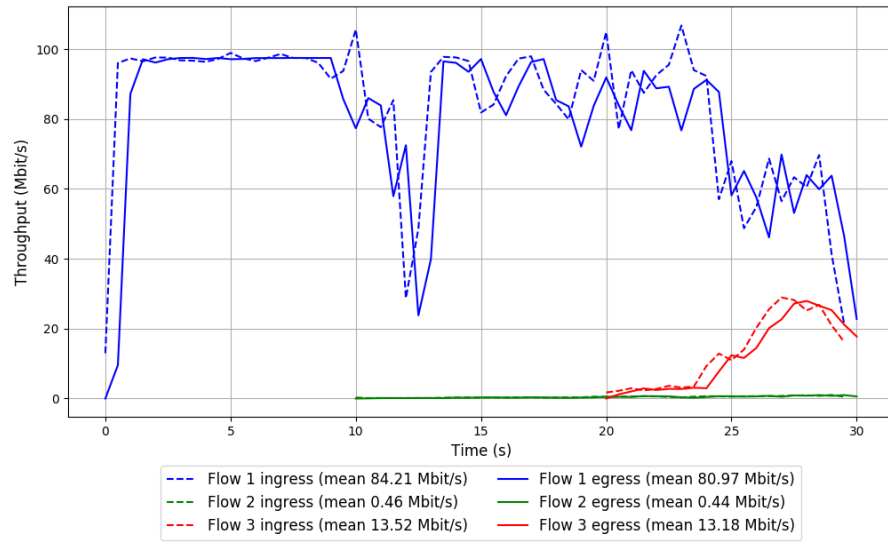
-- Flow 3:

Average throughput: 13.18 Mbit/s

95th percentile per-packet one-way delay: 65.036 ms

Loss rate: 2.46%

Run 5: Report of Muses_DecisionTreeH0 — Data Link



Run 1: Statistics of Muses_DecisionTreeR0

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

End at: 2019-08-26 23:24:06

Local clock offset: -0.677 ms

Remote clock offset: 4.611 ms

Below is generated by plot.py at 2019-08-27 03:28:11

Datalink statistics

-- Total of 3 flows:

Average throughput: 94.49 Mbit/s

95th percentile per-packet one-way delay: 43.956 ms

Loss rate: 0.28%

-- Flow 1:

Average throughput: 57.42 Mbit/s

95th percentile per-packet one-way delay: 43.454 ms

Loss rate: 0.21%

-- Flow 2:

Average throughput: 21.21 Mbit/s

95th percentile per-packet one-way delay: 43.229 ms

Loss rate: 0.02%

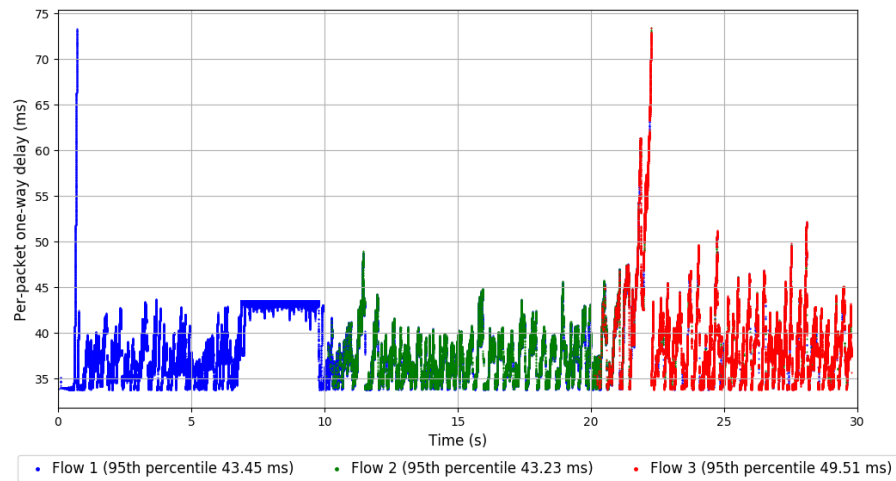
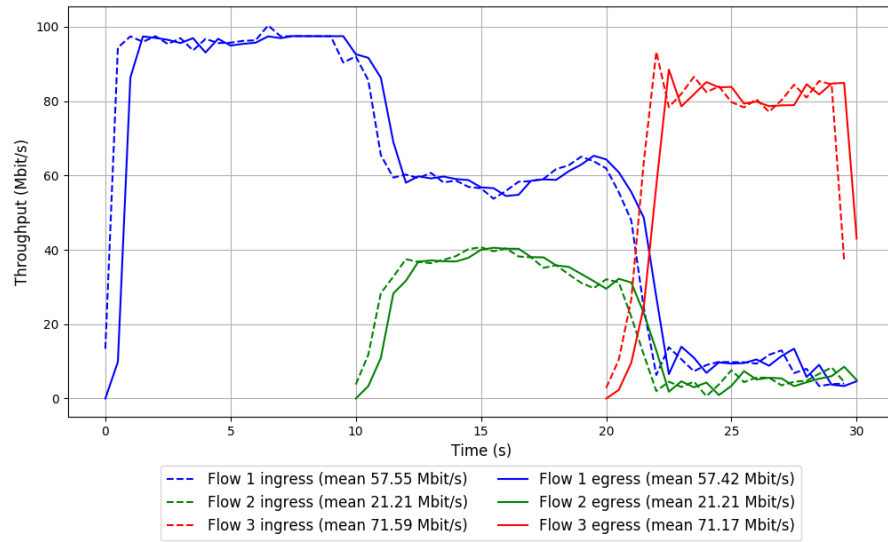
-- Flow 3:

Average throughput: 71.17 Mbit/s

95th percentile per-packet one-way delay: 49.512 ms

Loss rate: 0.59%

Run 1: Report of Muses_DecisionTreeR0 — Data Link



Run 2: Statistics of Muses_DecisionTreeR0

Start at: 2019-08-27 00:09:43

End at: 2019-08-27 00:10:13

Local clock offset: -1.058 ms

Remote clock offset: 6.47 ms

Below is generated by plot.py at 2019-08-27 03:28:12

Datalink statistics

-- Total of 3 flows:

Average throughput: 94.50 Mbit/s

95th percentile per-packet one-way delay: 43.943 ms

Loss rate: 0.23%

-- Flow 1:

Average throughput: 48.26 Mbit/s

95th percentile per-packet one-way delay: 42.450 ms

Loss rate: 0.17%

-- Flow 2:

Average throughput: 63.95 Mbit/s

95th percentile per-packet one-way delay: 45.357 ms

Loss rate: 0.32%

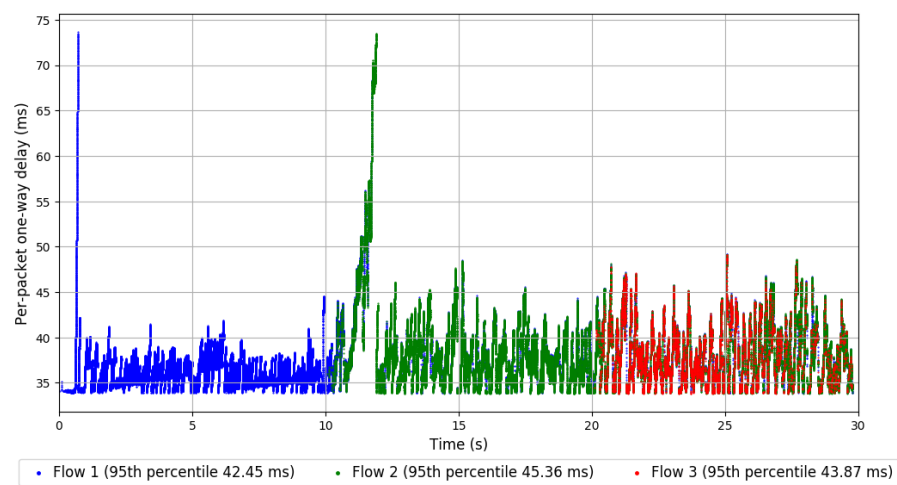
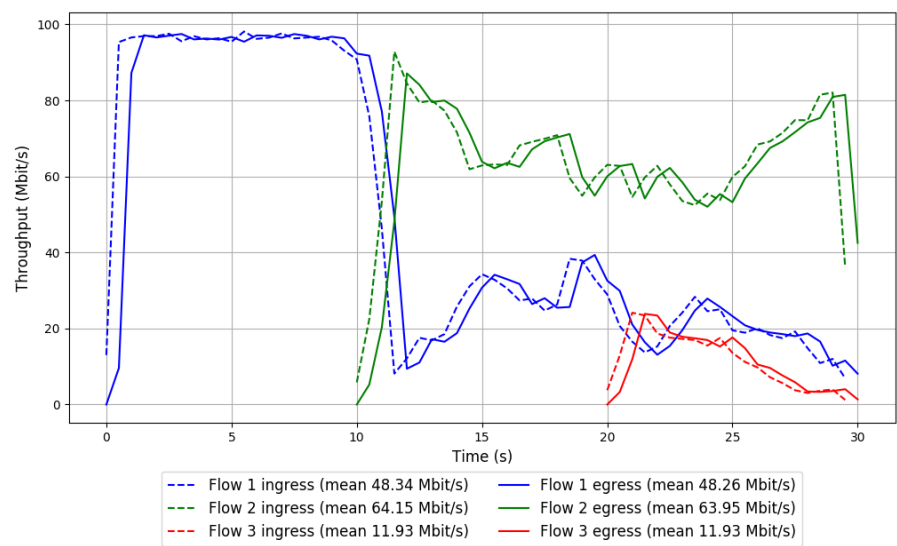
-- Flow 3:

Average throughput: 11.93 Mbit/s

95th percentile per-packet one-way delay: 43.866 ms

Loss rate: 0.00%

Run 2: Report of Muses_DecisionTreeR0 — Data Link



Run 3: Statistics of Muses_DecisionTreeR0

Start at: 2019-08-27 00:59:47

End at: 2019-08-27 01:00:17

Local clock offset: -1.039 ms

Remote clock offset: 5.338 ms

Below is generated by plot.py at 2019-08-27 03:28:14

Datalink statistics

-- Total of 3 flows:

Average throughput: 93.93 Mbit/s

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

Loss rate: 0.19%

-- Flow 1:

Average throughput: 59.14 Mbit/s

95th percentile per-packet one-way delay: 42.947 ms

Loss rate: 0.06%

-- Flow 2:

Average throughput: 21.79 Mbit/s

95th percentile per-packet one-way delay: 43.652 ms

Loss rate: 0.00%

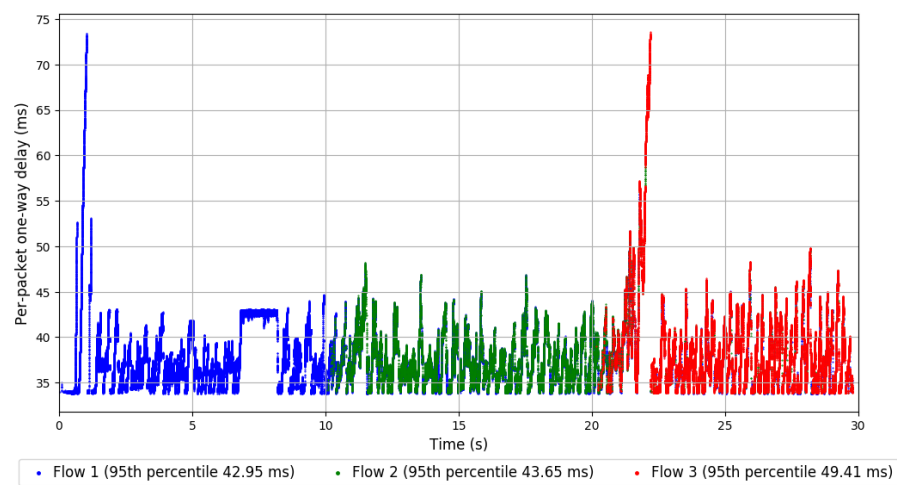
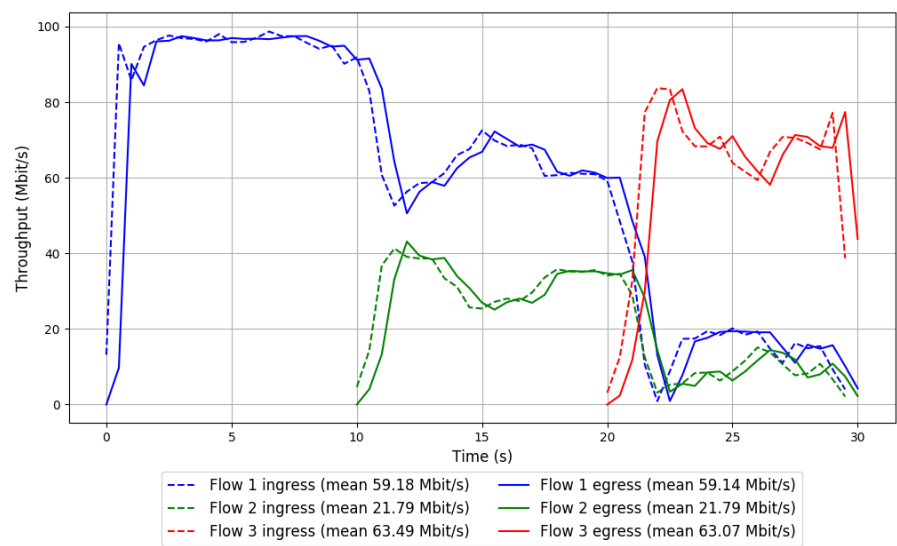
-- Flow 3:

Average throughput: 63.07 Mbit/s

95th percentile per-packet one-way delay: 49.411 ms

Loss rate: 0.71%

Run 3: Report of Muses_DecisionTreeR0 — Data Link



Run 4: Statistics of Muses_DecisionTreeR0

Start at: 2019-08-27 01:53:19

End at: 2019-08-27 01:53:49

Local clock offset: -0.837 ms

Remote clock offset: 3.265 ms

Below is generated by plot.py at 2019-08-27 03:28:19

Datalink statistics

-- Total of 3 flows:

Average throughput: 93.59 Mbit/s

95th percentile per-packet one-way delay: 45.720 ms

Loss rate: 0.35%

-- Flow 1:

Average throughput: 43.75 Mbit/s

95th percentile per-packet one-way delay: 42.348 ms

Loss rate: 0.20%

-- Flow 2:

Average throughput: 44.65 Mbit/s

95th percentile per-packet one-way delay: 47.359 ms

Loss rate: 0.35%

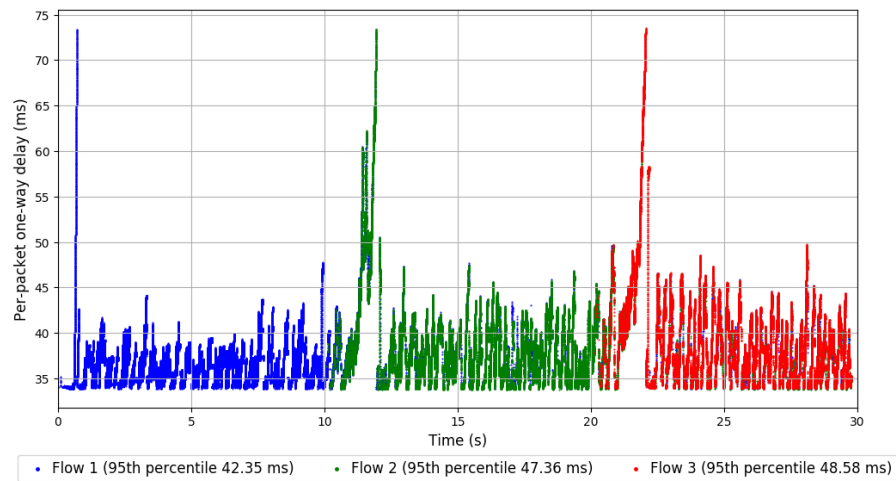
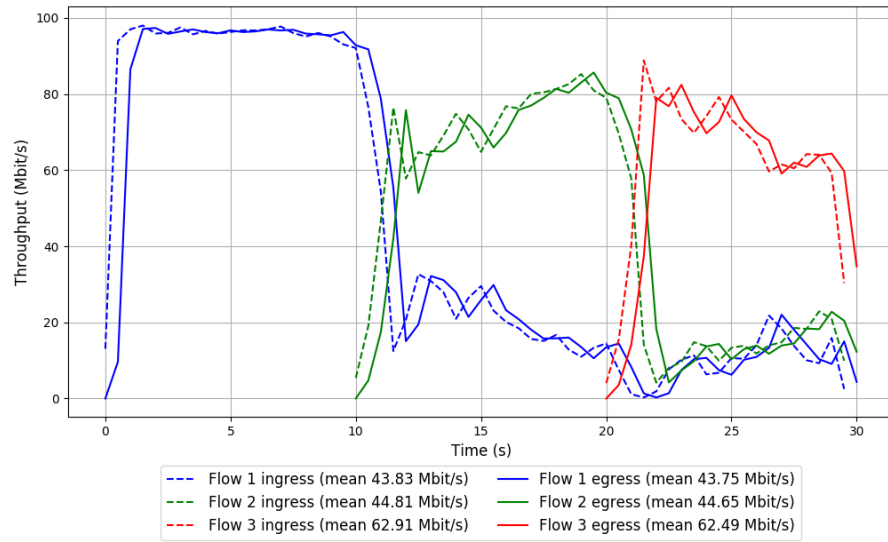
-- Flow 3:

Average throughput: 62.49 Mbit/s

95th percentile per-packet one-way delay: 48.582 ms

Loss rate: 0.69%

Run 4: Report of Muses_DecisionTreeR0 — Data Link



Run 5: Statistics of Muses_DecisionTreeR0

Start at: 2019-08-27 02:37:17

End at: 2019-08-27 02:37:47

Local clock offset: -1.186 ms

Remote clock offset: 3.876 ms

Below is generated by plot.py at 2019-08-27 03:28:46

Datalink statistics

-- Total of 3 flows:

Average throughput: 94.57 Mbit/s

95th percentile per-packet one-way delay: 43.688 ms

Loss rate: 0.22%

-- Flow 1:

Average throughput: 60.30 Mbit/s

95th percentile per-packet one-way delay: 43.311 ms

Loss rate: 0.11%

-- Flow 2:

Average throughput: 19.10 Mbit/s

95th percentile per-packet one-way delay: 44.123 ms

Loss rate: 0.00%

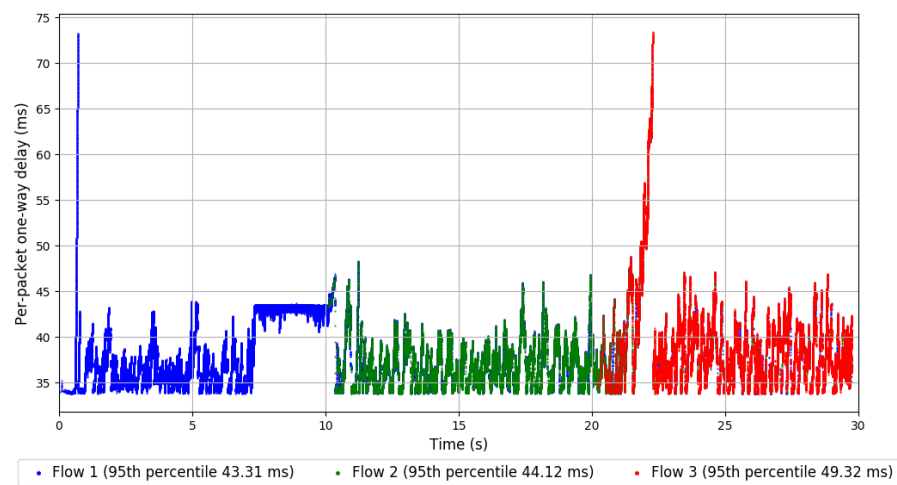
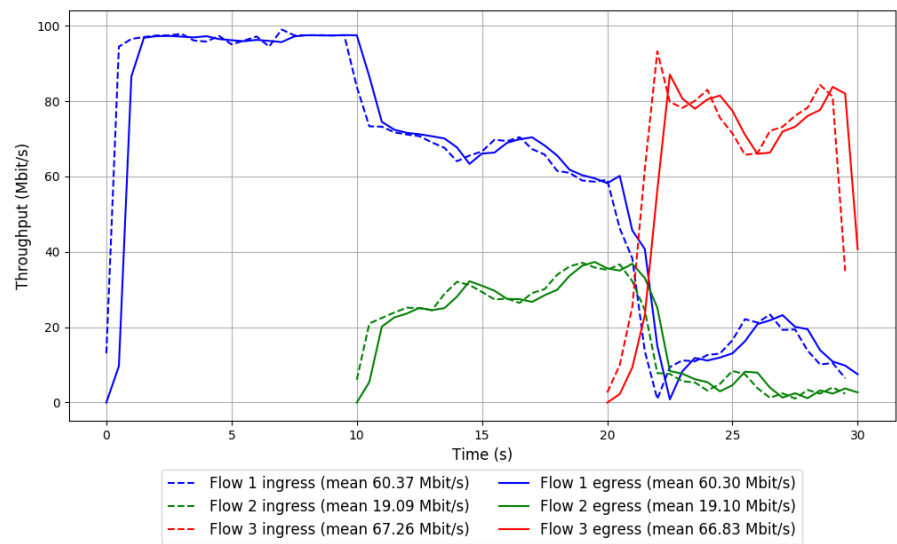
-- Flow 3:

Average throughput: 66.83 Mbit/s

95th percentile per-packet one-way delay: 49.317 ms

Loss rate: 0.64%

Run 5: Report of Muses_DecisionTreeR0 — Data Link

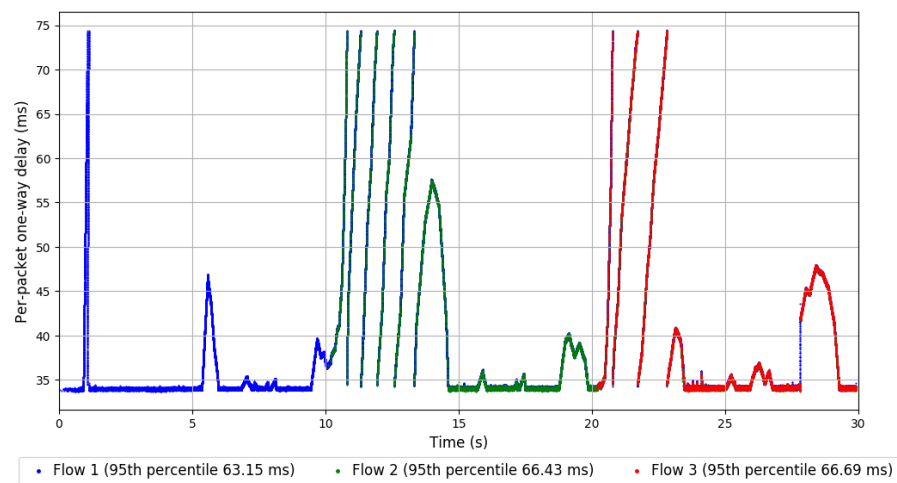
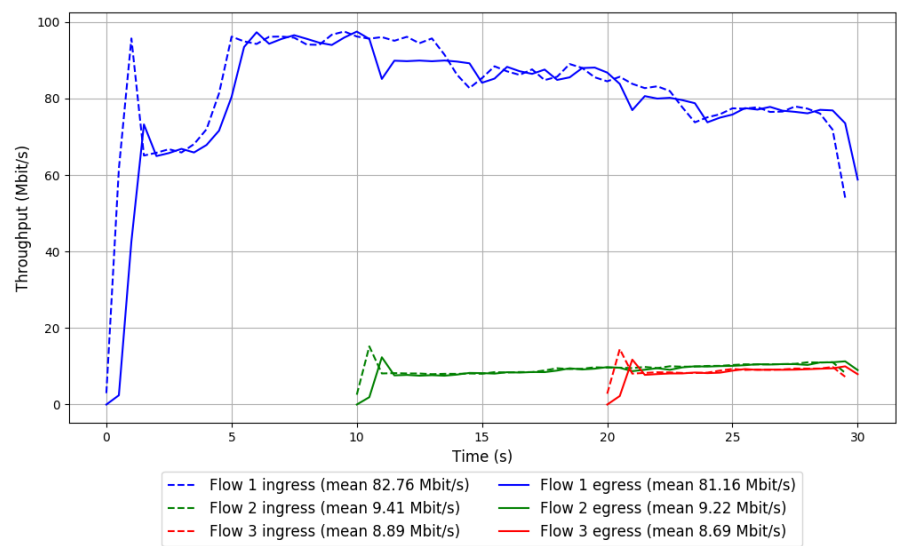


```
Run 1: Statistics of PCC-Allegro

Start at: 2019-08-26 23:20:46
End at: 2019-08-26 23:21:16
Local clock offset: -0.604 ms
Remote clock offset: 4.628 ms

# Below is generated by plot.py at 2019-08-27 03:28:46
# Datalink statistics
-- Total of 3 flows:
Average throughput: 90.15 Mbit/s
95th percentile per-packet one-way delay: 63.644 ms
Loss rate: 1.95%
-- Flow 1:
Average throughput: 81.16 Mbit/s
95th percentile per-packet one-way delay: 63.153 ms
Loss rate: 1.94%
-- Flow 2:
Average throughput: 9.22 Mbit/s
95th percentile per-packet one-way delay: 66.430 ms
Loss rate: 2.02%
-- Flow 3:
Average throughput: 8.69 Mbit/s
95th percentile per-packet one-way delay: 66.689 ms
Loss rate: 2.23%
```

Run 1: Report of PCC-Allegro — Data Link



Run 2: Statistics of PCC-Allegro

Start at: 2019-08-27 00:06:42

End at: 2019-08-27 00:07:12

Local clock offset: -1.048 ms

Remote clock offset: 6.318 ms

Below is generated by plot.py at 2019-08-27 03:29:09

Datalink statistics

-- Total of 3 flows:

Average throughput: 85.38 Mbit/s

95th percentile per-packet one-way delay: 54.216 ms

Loss rate: 1.45%

-- Flow 1:

Average throughput: 70.68 Mbit/s

95th percentile per-packet one-way delay: 53.268 ms

Loss rate: 1.50%

-- Flow 2:

Average throughput: 17.94 Mbit/s

95th percentile per-packet one-way delay: 55.164 ms

Loss rate: 1.19%

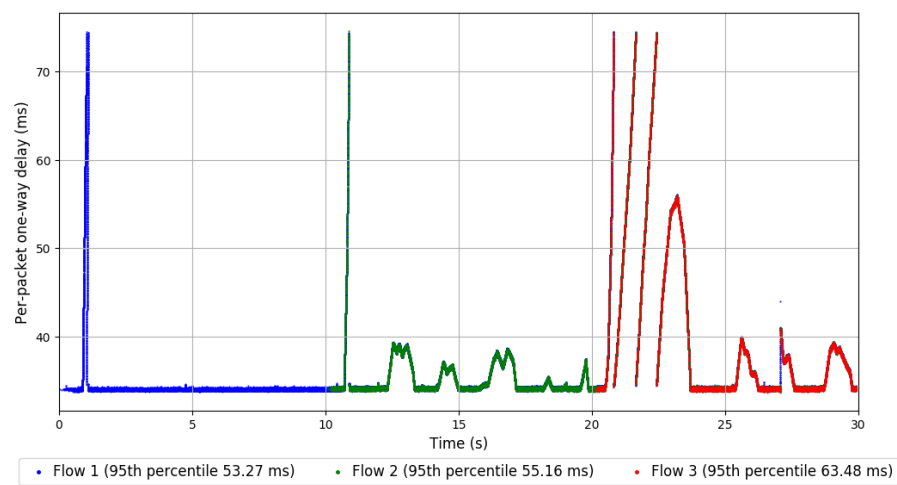
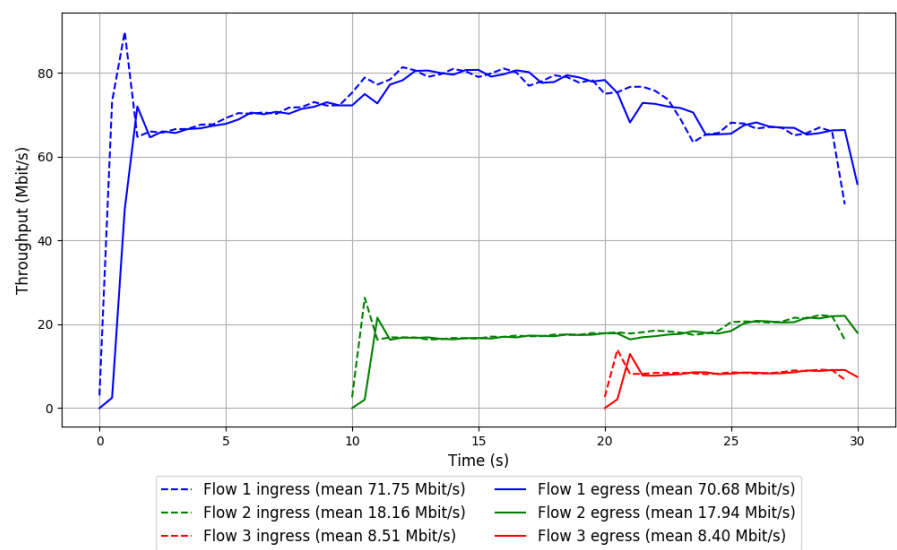
-- Flow 3:

Average throughput: 8.40 Mbit/s

95th percentile per-packet one-way delay: 63.481 ms

Loss rate: 1.32%

Run 2: Report of PCC-Allegro — Data Link



Run 3: Statistics of PCC-Allegro

Start at: 2019-08-27 00:56:29

End at: 2019-08-27 00:56:59

Local clock offset: -1.076 ms

Remote clock offset: 4.933 ms

Below is generated by plot.py at 2019-08-27 03:29:14

Datalink statistics

-- Total of 3 flows:

Average throughput: 91.31 Mbit/s

95th percentile per-packet one-way delay: 65.865 ms

Loss rate: 1.97%

-- Flow 1:

Average throughput: 80.15 Mbit/s

95th percentile per-packet one-way delay: 65.784 ms

Loss rate: 1.98%

-- Flow 2:

Average throughput: 12.03 Mbit/s

95th percentile per-packet one-way delay: 66.644 ms

Loss rate: 1.86%

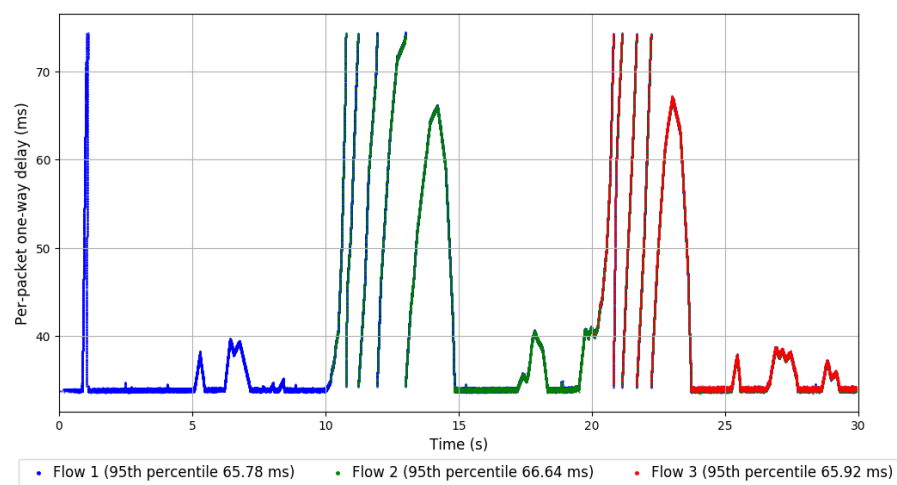
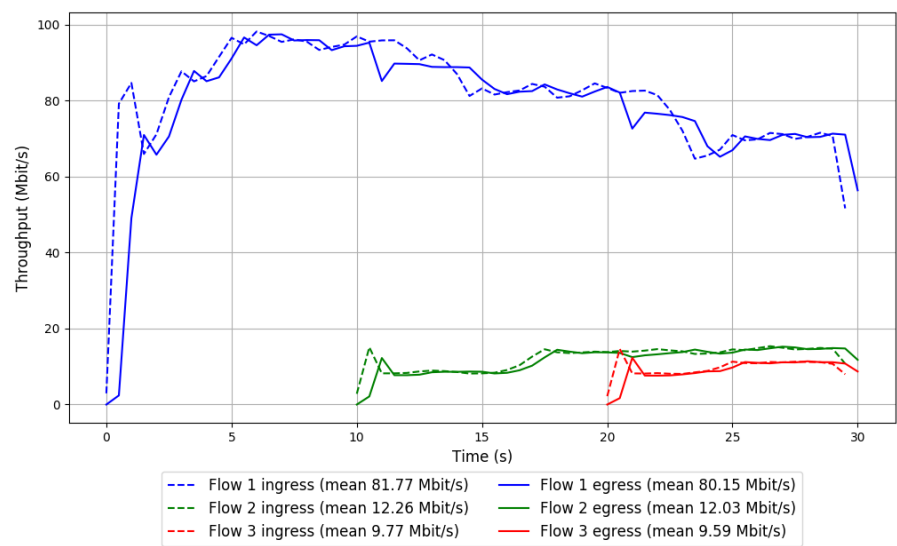
-- Flow 3:

Average throughput: 9.59 Mbit/s

95th percentile per-packet one-way delay: 65.918 ms

Loss rate: 1.94%

Run 3: Report of PCC-Allegro — Data Link



Run 4: Statistics of PCC-Allegro

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

End at: 2019-08-27 01:50:57

Local clock offset: -0.863 ms

Remote clock offset: 3.242 ms

Below is generated by plot.py at 2019-08-27 03:29:26

Datalink statistics

-- Total of 3 flows:

Average throughput: 89.74 Mbit/s

95th percentile per-packet one-way delay: 42.745 ms

Loss rate: 1.21%

-- Flow 1:

Average throughput: 79.59 Mbit/s

95th percentile per-packet one-way delay: 42.754 ms

Loss rate: 1.25%

-- Flow 2:

Average throughput: 10.85 Mbit/s

95th percentile per-packet one-way delay: 44.395 ms

Loss rate: 0.88%

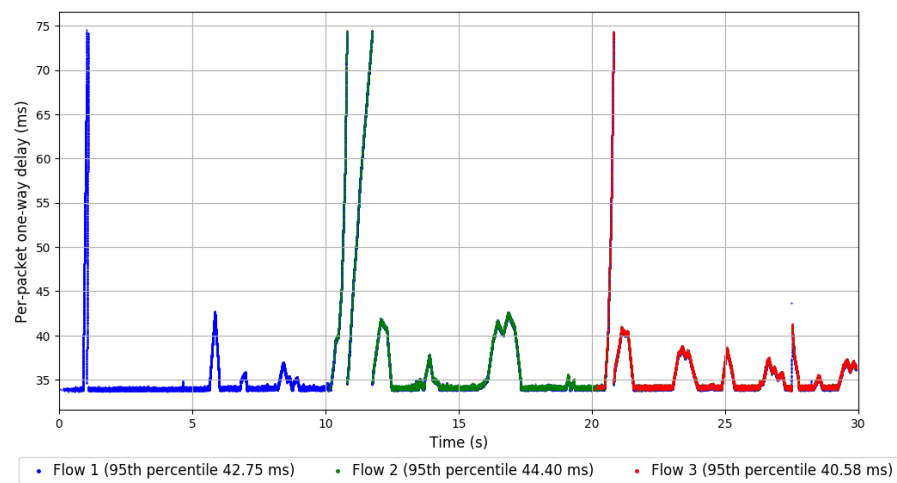
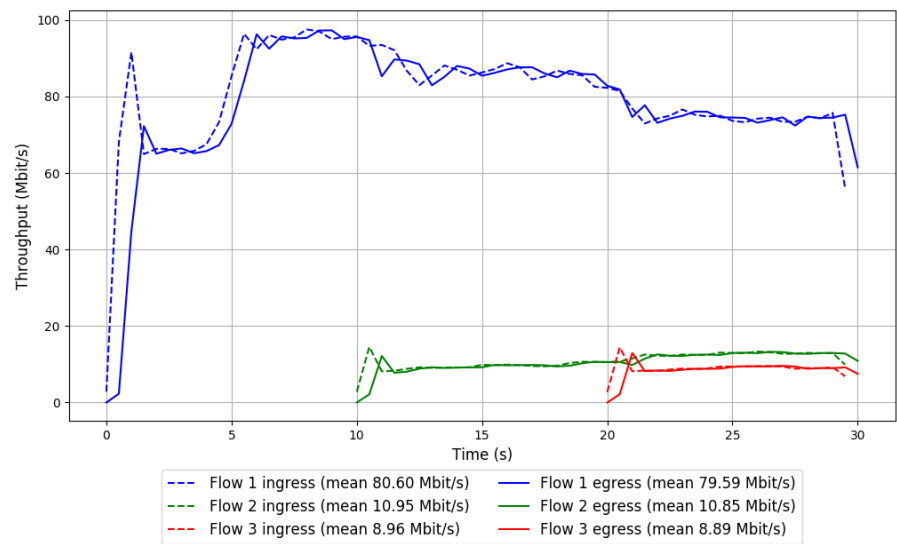
-- Flow 3:

Average throughput: 8.89 Mbit/s

95th percentile per-packet one-way delay: 40.584 ms

Loss rate: 0.82%

Run 4: Report of PCC-Allegro — Data Link



Run 5: Statistics of PCC-Allegro

Start at: 2019-08-27 02:33:32

End at: 2019-08-27 02:34:02

Local clock offset: -1.187 ms

Remote clock offset: 3.558 ms

Below is generated by plot.py at 2019-08-27 03:29:28

Datalink statistics

-- Total of 3 flows:

Average throughput: 90.57 Mbit/s

95th percentile per-packet one-way delay: 58.050 ms

Loss rate: 1.32%

-- Flow 1:

Average throughput: 83.79 Mbit/s

95th percentile per-packet one-way delay: 57.400 ms

Loss rate: 1.34%

-- Flow 2:

Average throughput: 6.49 Mbit/s

95th percentile per-packet one-way delay: 60.069 ms

Loss rate: 0.77%

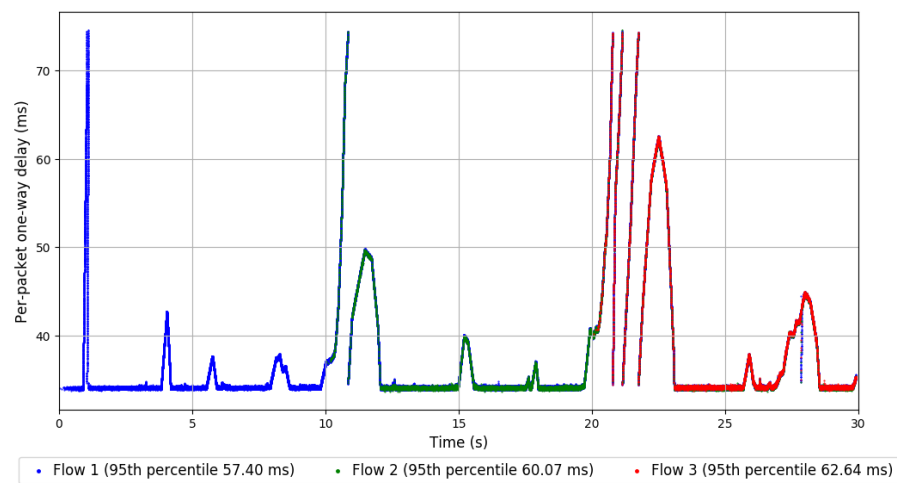
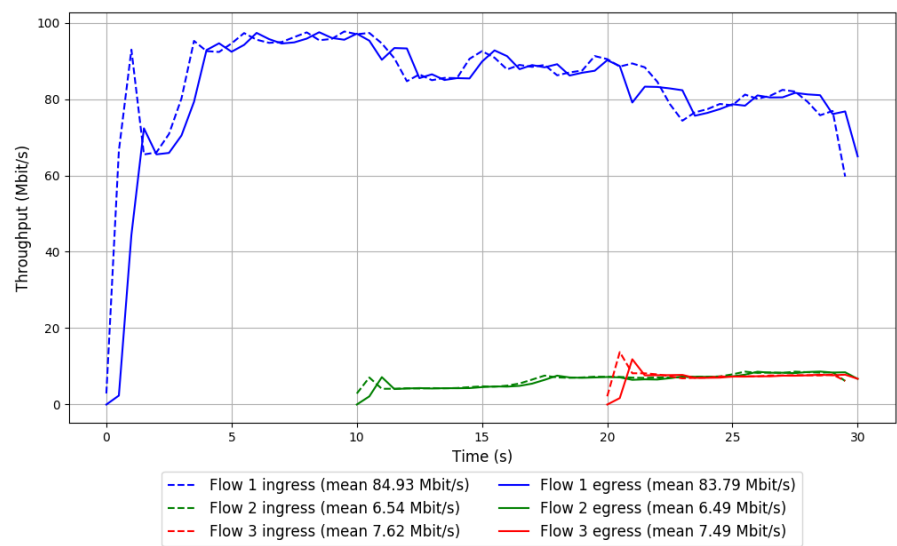
-- Flow 3:

Average throughput: 7.49 Mbit/s

95th percentile per-packet one-way delay: 62.636 ms

Loss rate: 1.75%

Run 5: Report of PCC-Allegro — Data Link

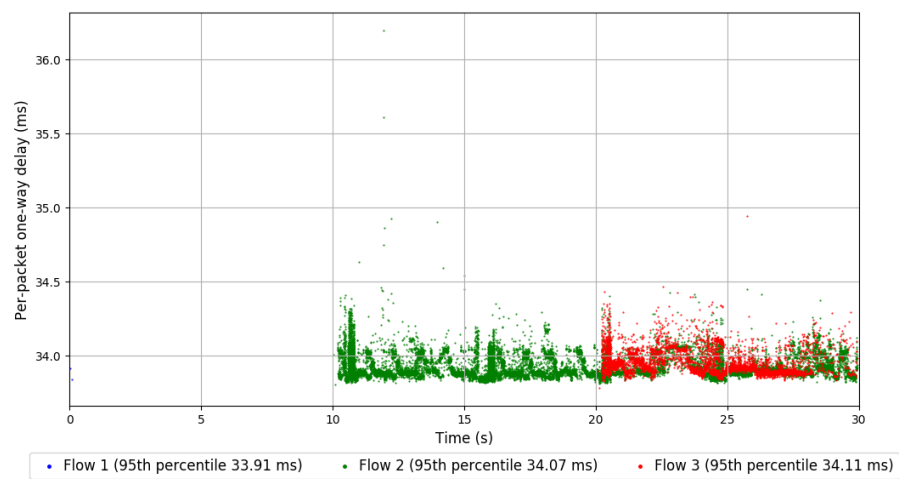
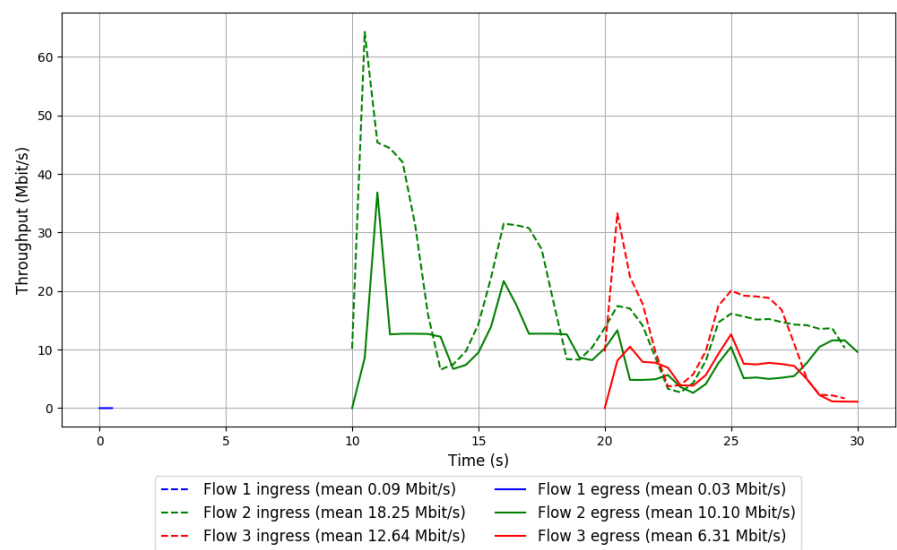


```
Run 1: Statistics of PCC-Expr

Start at: 2019-08-26 23:34:53
End at: 2019-08-26 23:35:23
Local clock offset: -0.77 ms
Remote clock offset: 4.518 ms

# Below is generated by plot.py at 2019-08-27 03:29:28
# Datalink statistics
-- Total of 3 flows:
Average throughput: 8.80 Mbit/s
95th percentile per-packet one-way delay: 34.089 ms
Loss rate: 46.03%
-- Flow 1:
Average throughput: 0.03 Mbit/s
95th percentile per-packet one-way delay: 33.914 ms
Loss rate: 85.71%
-- Flow 2:
Average throughput: 10.10 Mbit/s
95th percentile per-packet one-way delay: 34.072 ms
Loss rate: 44.63%
-- Flow 3:
Average throughput: 6.31 Mbit/s
95th percentile per-packet one-way delay: 34.111 ms
Loss rate: 50.09%
```

Run 1: Report of PCC-Expr — Data Link



Run 2: Statistics of PCC-Expr

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

End at: 2019-08-27 00:21:51

Local clock offset: -1.091 ms

Remote clock offset: 5.279 ms

Below is generated by plot.py at 2019-08-27 03:29:28

Datalink statistics

-- Total of 3 flows:

Average throughput: 8.80 Mbit/s

95th percentile per-packet one-way delay: 34.074 ms

Loss rate: 40.92%

-- Flow 1:

Average throughput: 0.03 Mbit/s

95th percentile per-packet one-way delay: 33.952 ms

Loss rate: 85.71%

-- Flow 2:

Average throughput: 9.07 Mbit/s

95th percentile per-packet one-way delay: 34.071 ms

Loss rate: 39.66%

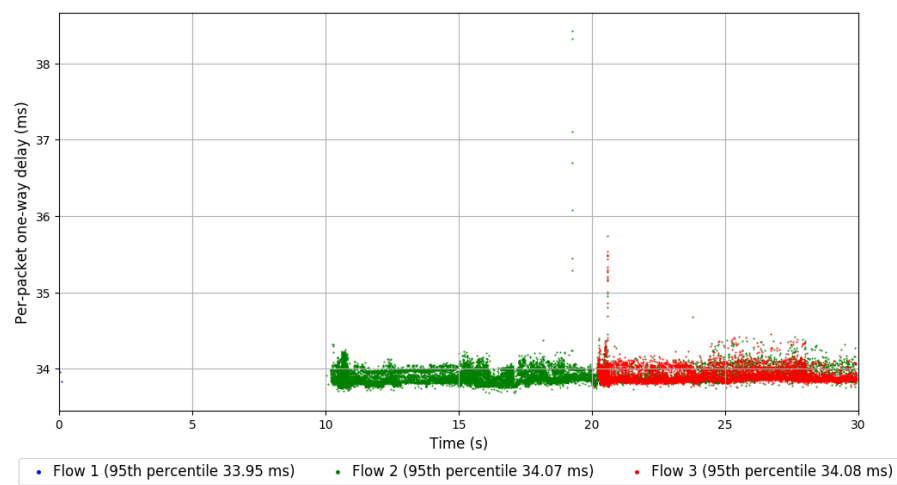
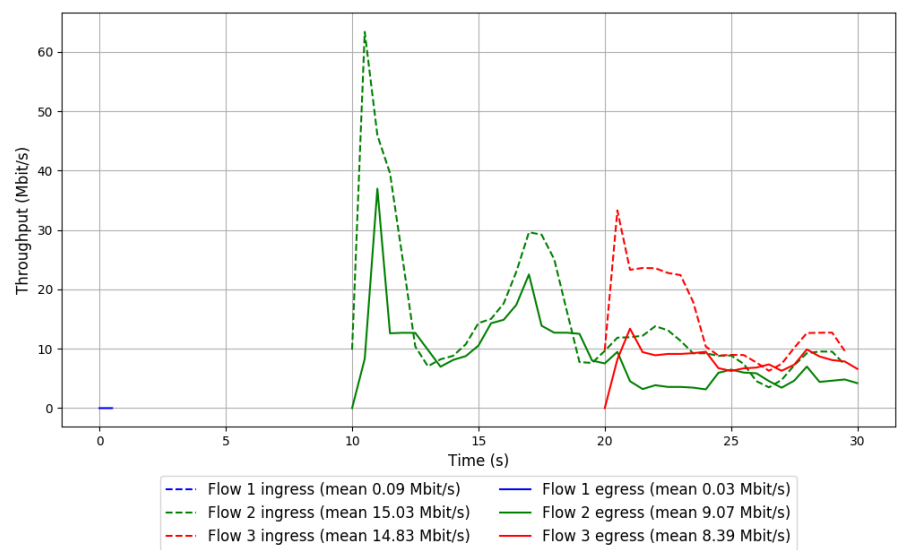
-- Flow 3:

Average throughput: 8.39 Mbit/s

95th percentile per-packet one-way delay: 34.083 ms

Loss rate: 43.48%

Run 2: Report of PCC-Expr — Data Link



Run 3: Statistics of PCC-Expr

Start at: 2019-08-27 01:14:28

End at: 2019-08-27 01:14:58

Local clock offset: -0.93 ms

Remote clock offset: 6.102 ms

Below is generated by plot.py at 2019-08-27 03:29:28

Datalink statistics

-- Total of 3 flows:

Average throughput: 8.80 Mbit/s

95th percentile per-packet one-way delay: 34.043 ms

Loss rate: 46.49%

-- Flow 1:

Average throughput: 0.03 Mbit/s

95th percentile per-packet one-way delay: 33.951 ms

Loss rate: 85.71%

-- Flow 2:

Average throughput: 9.96 Mbit/s

95th percentile per-packet one-way delay: 34.036 ms

Loss rate: 46.95%

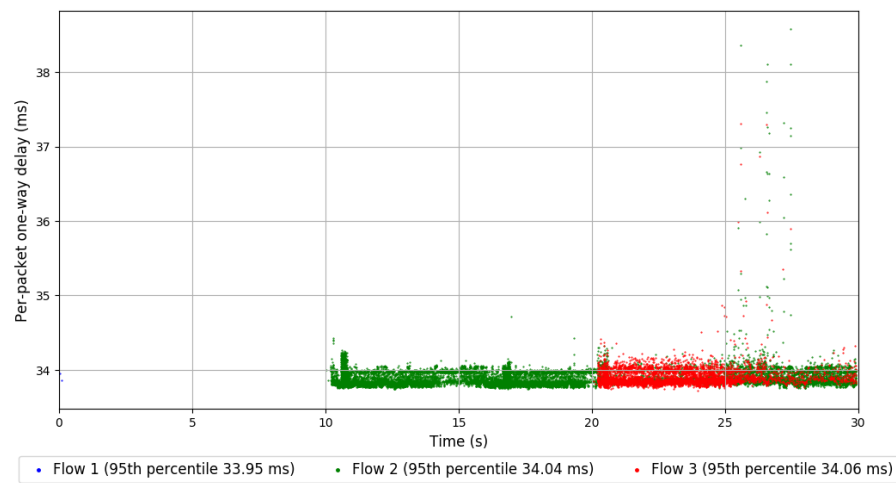
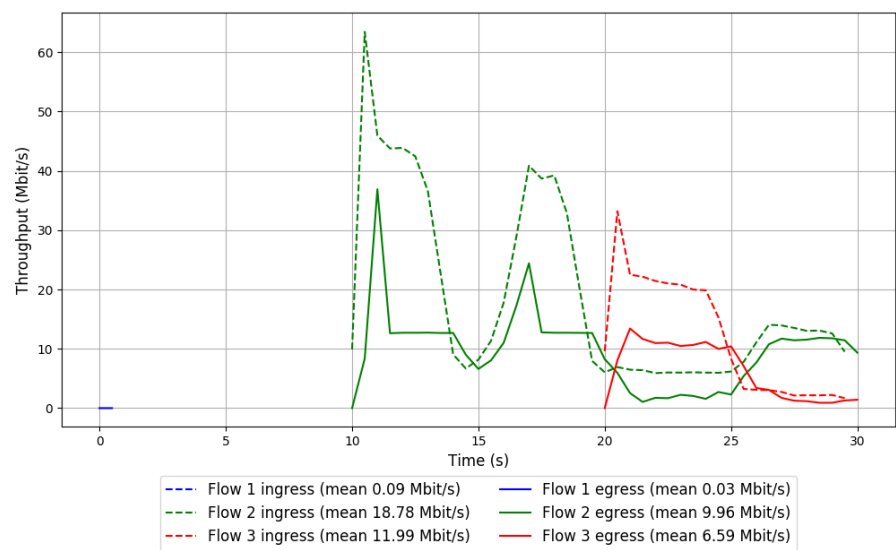
-- Flow 3:

Average throughput: 6.59 Mbit/s

95th percentile per-packet one-way delay: 34.064 ms

Loss rate: 45.05%

Run 3: Report of PCC-Expr — Data Link



Run 4: Statistics of PCC-Expr

Start at: 2019-08-27 02:03:35

End at: 2019-08-27 02:04:05

Local clock offset: -0.899 ms

Remote clock offset: 3.134 ms

Below is generated by plot.py at 2019-08-27 03:29:28

Datalink statistics

-- Total of 3 flows:

Average throughput: 8.80 Mbit/s

95th percentile per-packet one-way delay: 34.147 ms

Loss rate: 43.55%

-- Flow 1:

Average throughput: 0.03 Mbit/s

95th percentile per-packet one-way delay: 34.007 ms

Loss rate: 85.71%

-- Flow 2:

Average throughput: 10.38 Mbit/s

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

Loss rate: 42.76%

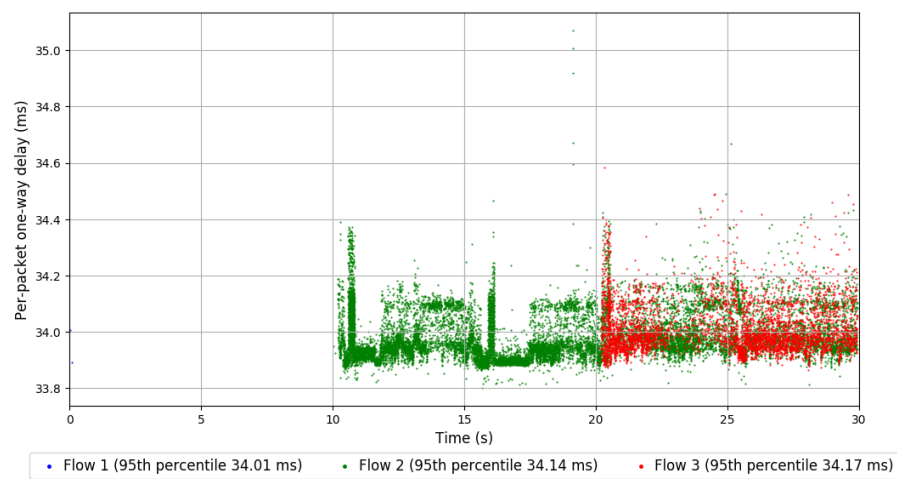
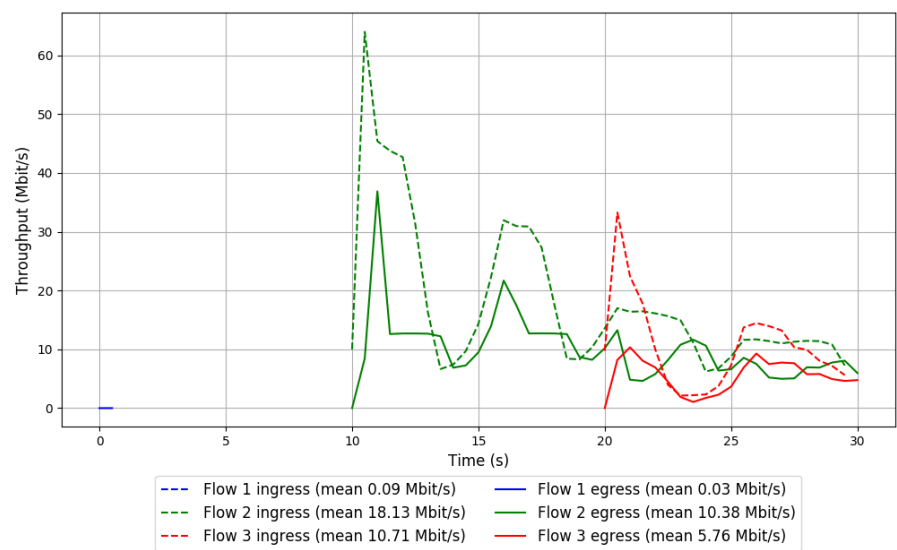
-- Flow 3:

Average throughput: 5.76 Mbit/s

95th percentile per-packet one-way delay: 34.169 ms

Loss rate: 46.23%

Run 4: Report of PCC-Expr — Data Link



Run 5: Statistics of PCC-Expr

Start at: 2019-08-27 02:52:00

End at: 2019-08-27 02:52:30

Local clock offset: -1.285 ms

Remote clock offset: 4.377 ms

Below is generated by plot.py at 2019-08-27 03:29:28

Datalink statistics

-- Total of 3 flows:

Average throughput: 8.78 Mbit/s

95th percentile per-packet one-way delay: 34.230 ms

Loss rate: 47.54%

-- Flow 1:

Average throughput: 0.03 Mbit/s

95th percentile per-packet one-way delay: 34.198 ms

Loss rate: 85.71%

-- Flow 2:

Average throughput: 10.32 Mbit/s

95th percentile per-packet one-way delay: 34.216 ms

Loss rate: 51.00%

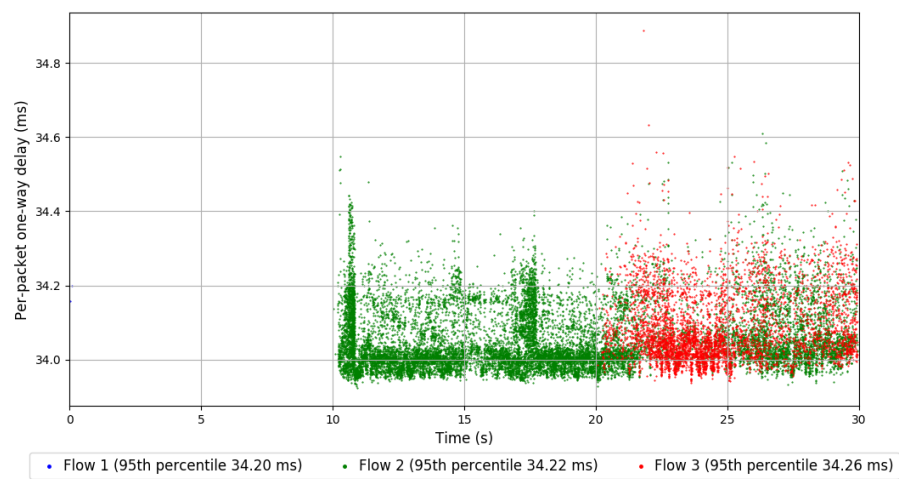
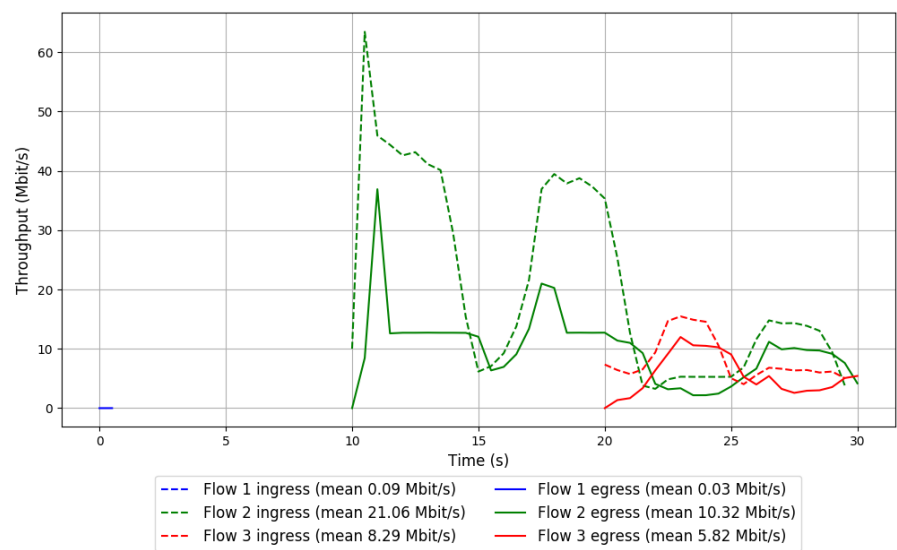
-- Flow 3:

Average throughput: 5.82 Mbit/s

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

Loss rate: 29.87%

Run 5: Report of PCC-Expr — Data Link



Run 1: Statistics of QUIC Cubic

Start at: 2019-08-26 23:52:28

End at: 2019-08-26 23:52:58

Local clock offset: -0.991 ms

Remote clock offset: 5.749 ms

Below is generated by plot.py at 2019-08-27 03:29:58

Datalink statistics

-- Total of 3 flows:

Average throughput: 87.88 Mbit/s

95th percentile per-packet one-way delay: 70.845 ms

Loss rate: 1.77%

-- Flow 1:

Average throughput: 67.75 Mbit/s

95th percentile per-packet one-way delay: 70.768 ms

Loss rate: 1.91%

-- Flow 2:

Average throughput: 25.40 Mbit/s

95th percentile per-packet one-way delay: 71.000 ms

Loss rate: 1.29%

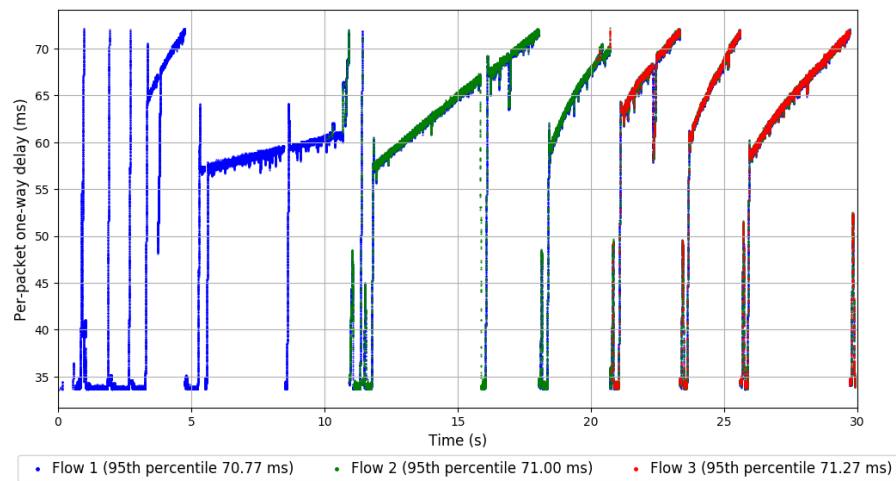
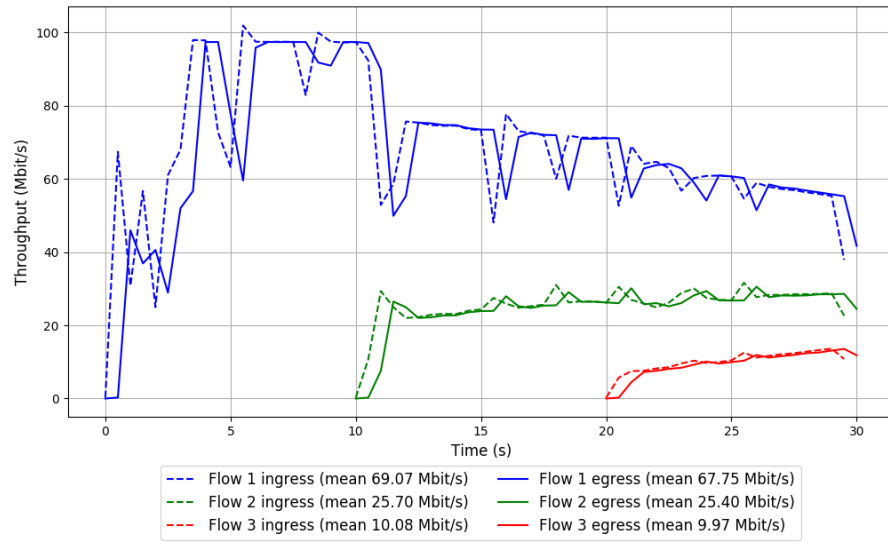
-- Flow 3:

Average throughput: 9.97 Mbit/s

95th percentile per-packet one-way delay: 71.269 ms

Loss rate: 1.50%

Run 1: Report of QUIC Cubic — Data Link



Run 2: Statistics of QUIC Cubic

Start at: 2019-08-27 00:41:36

End at: 2019-08-27 00:42:06

Local clock offset: -1.151 ms

Remote clock offset: 4.215 ms

Below is generated by plot.py at 2019-08-27 03:30:03

Datalink statistics

-- Total of 3 flows:

Average throughput: 87.72 Mbit/s

95th percentile per-packet one-way delay: 70.808 ms

Loss rate: 1.76%

-- Flow 1:

Average throughput: 64.08 Mbit/s

95th percentile per-packet one-way delay: 70.746 ms

Loss rate: 1.94%

-- Flow 2:

Average throughput: 29.30 Mbit/s

95th percentile per-packet one-way delay: 70.844 ms

Loss rate: 1.26%

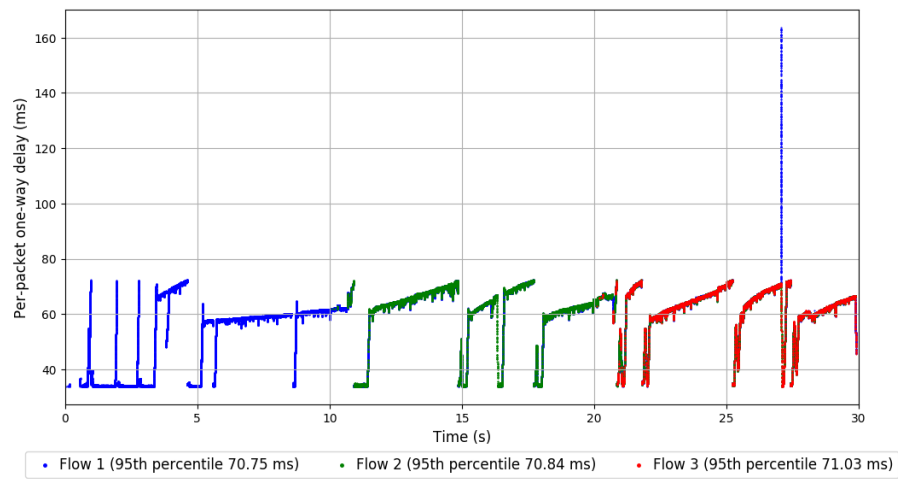
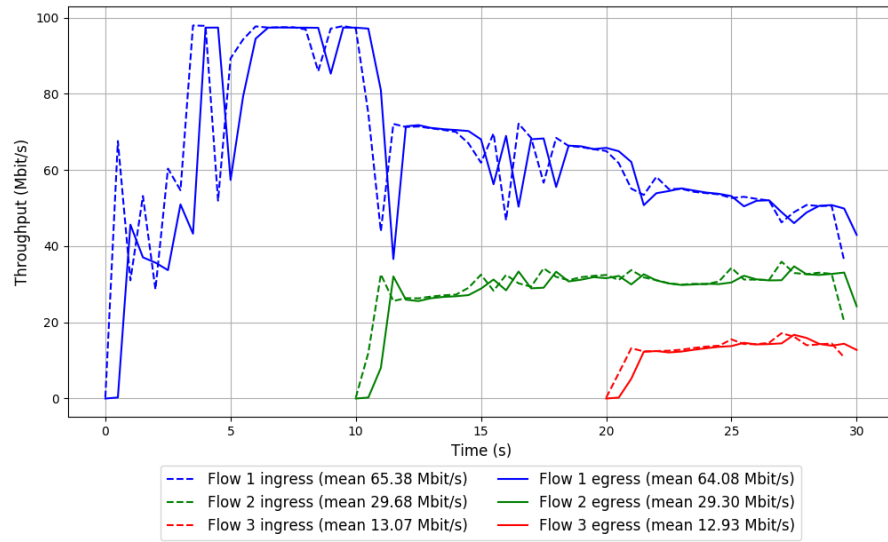
-- Flow 3:

Average throughput: 12.93 Mbit/s

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

Loss rate: 1.21%

Run 2: Report of QUIC Cubic — Data Link



Run 3: Statistics of QUIC Cubic

Start at: 2019-08-27 01:35:35

End at: 2019-08-27 01:36:05

Local clock offset: -0.894 ms

Remote clock offset: 4.281 ms

Below is generated by plot.py at 2019-08-27 03:30:03

Datalink statistics

-- Total of 3 flows:

Average throughput: 81.53 Mbit/s

95th percentile per-packet one-way delay: 70.890 ms

Loss rate: 2.60%

-- Flow 1:

Average throughput: 61.02 Mbit/s

95th percentile per-packet one-way delay: 70.723 ms

Loss rate: 3.02%

-- Flow 2:

Average throughput: 25.32 Mbit/s

95th percentile per-packet one-way delay: 71.083 ms

Loss rate: 1.40%

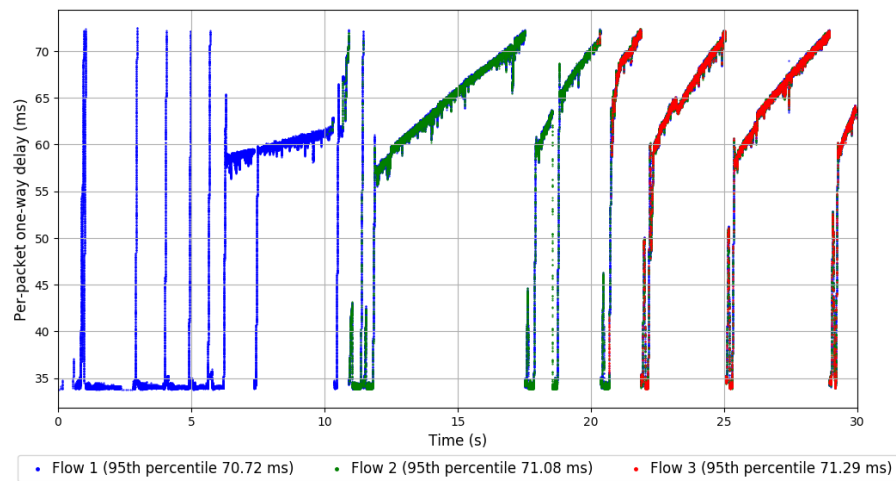
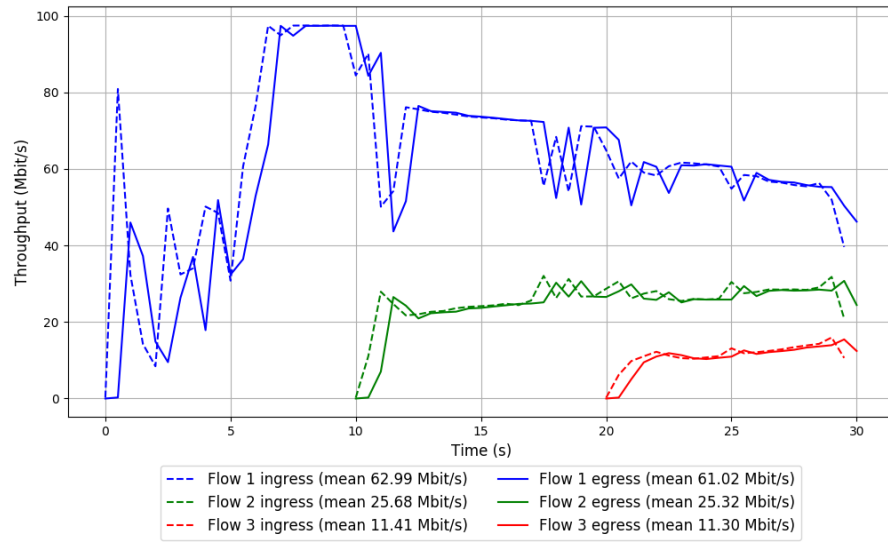
-- Flow 3:

Average throughput: 11.30 Mbit/s

95th percentile per-packet one-way delay: 71.288 ms

Loss rate: 1.07%

Run 3: Report of QUIC Cubic — Data Link



Run 4: Statistics of QUIC Cubic

Start at: 2019-08-27 02:19:34

End at: 2019-08-27 02:20:04

Local clock offset: -1.028 ms

Remote clock offset: 3.16 ms

Below is generated by plot.py at 2019-08-27 03:30:03

Datalink statistics

-- Total of 3 flows:

Average throughput: 81.56 Mbit/s

95th percentile per-packet one-way delay: 70.979 ms

Loss rate: 2.61%

-- Flow 1:

Average throughput: 61.50 Mbit/s

95th percentile per-packet one-way delay: 70.884 ms

Loss rate: 3.02%

-- Flow 2:

Average throughput: 26.43 Mbit/s

95th percentile per-packet one-way delay: 71.225 ms

Loss rate: 1.31%

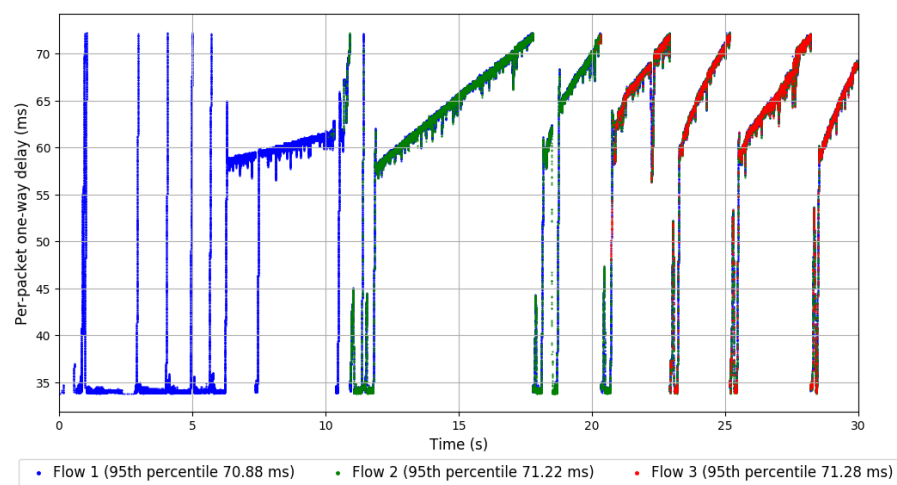
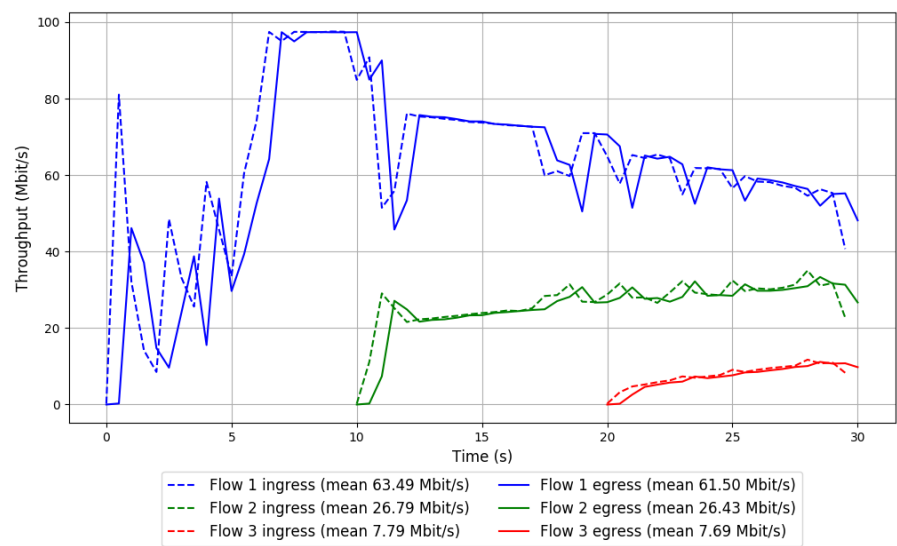
-- Flow 3:

Average throughput: 7.69 Mbit/s

95th percentile per-packet one-way delay: 71.282 ms

Loss rate: 1.33%

Run 4: Report of QUIC Cubic — Data Link



Run 5: Statistics of QUIC Cubic

Start at: 2019-08-27 03:14:35

End at: 2019-08-27 03:15:05

Local clock offset: -1.291 ms

Remote clock offset: 5.374 ms

Below is generated by plot.py at 2019-08-27 03:30:22

Datalink statistics

-- Total of 3 flows:

Average throughput: 81.31 Mbit/s

95th percentile per-packet one-way delay: 70.877 ms

Loss rate: 2.64%

-- Flow 1:

Average throughput: 61.36 Mbit/s

95th percentile per-packet one-way delay: 70.801 ms

Loss rate: 3.10%

-- Flow 2:

Average throughput: 25.13 Mbit/s

95th percentile per-packet one-way delay: 71.123 ms

Loss rate: 1.23%

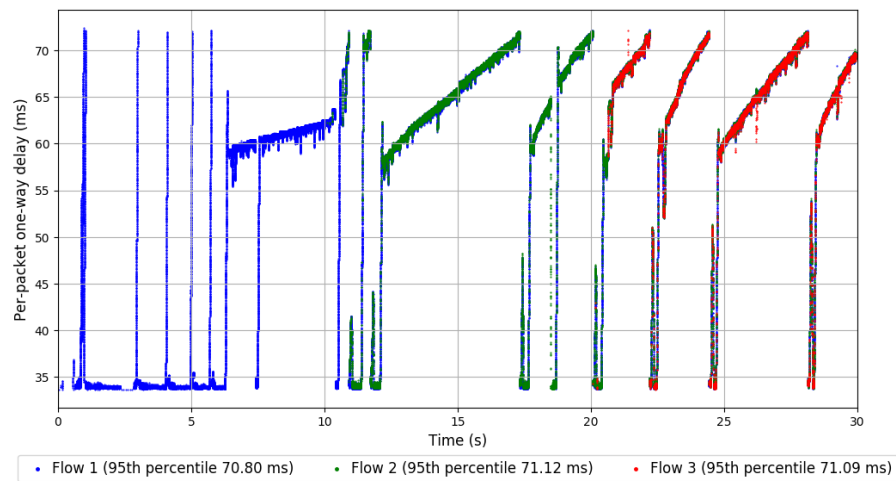
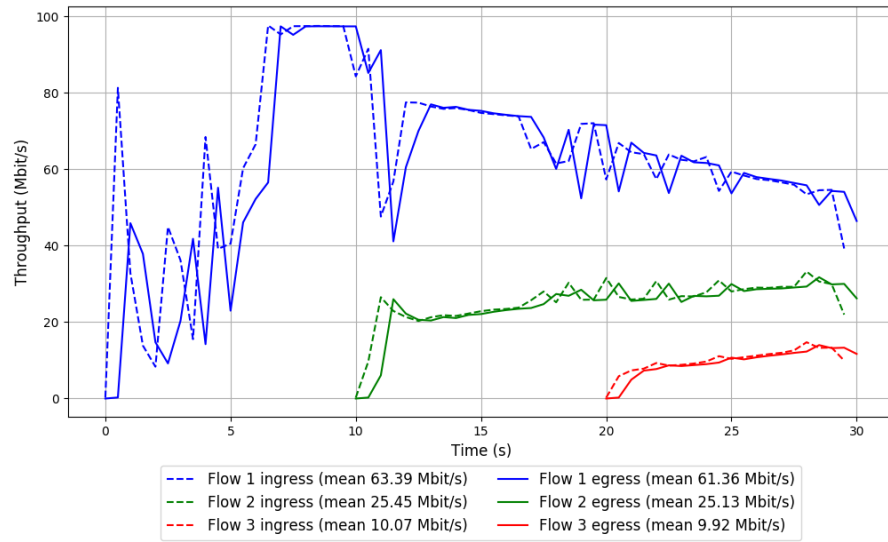
-- Flow 3:

Average throughput: 9.92 Mbit/s

95th percentile per-packet one-way delay: 71.086 ms

Loss rate: 1.20%

Run 5: Report of QUIC Cubic — Data Link

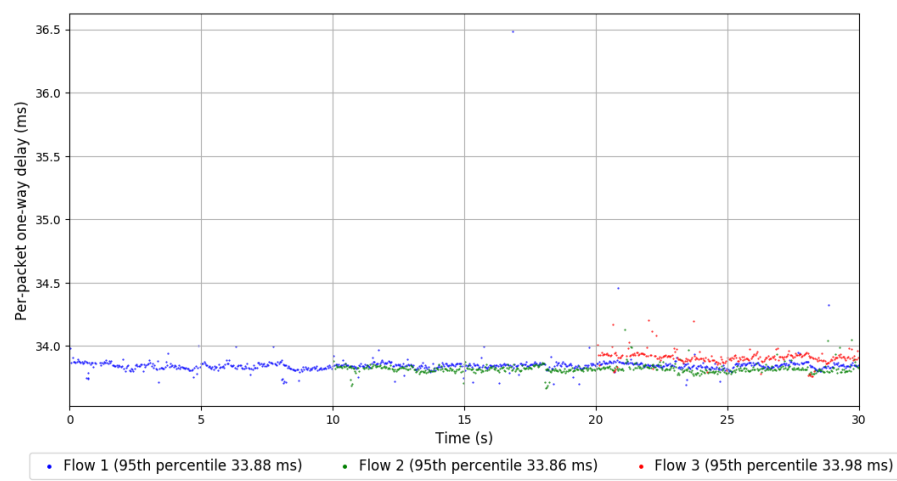
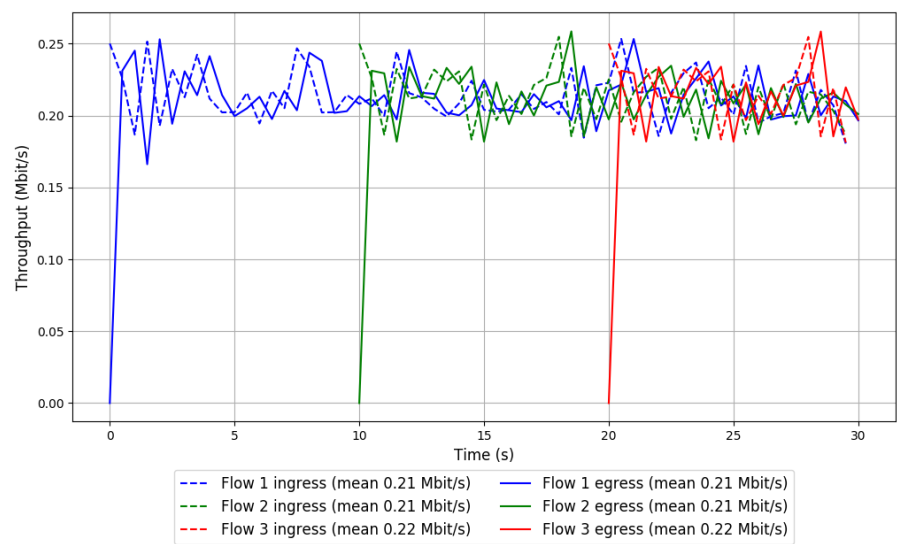


```
Run 1: Statistics of SReAM

Start at: 2019-08-26 23:19:37
End at: 2019-08-26 23:20:07
Local clock offset: -0.657 ms
Remote clock offset: 4.581 ms

# Below is generated by plot.py at 2019-08-27 03:30:22
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 33.931 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 33.884 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 33.862 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 33.978 ms
Loss rate: 0.00%
```

Run 1: Report of SReAM — Data Link

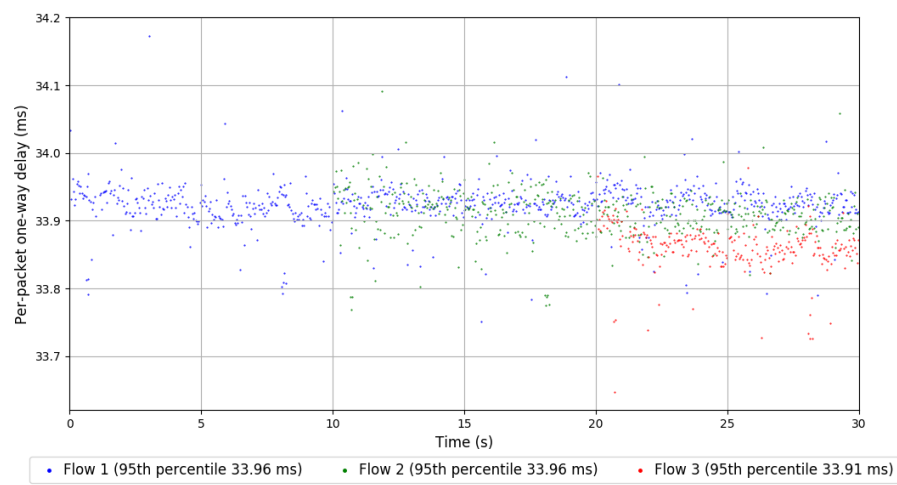
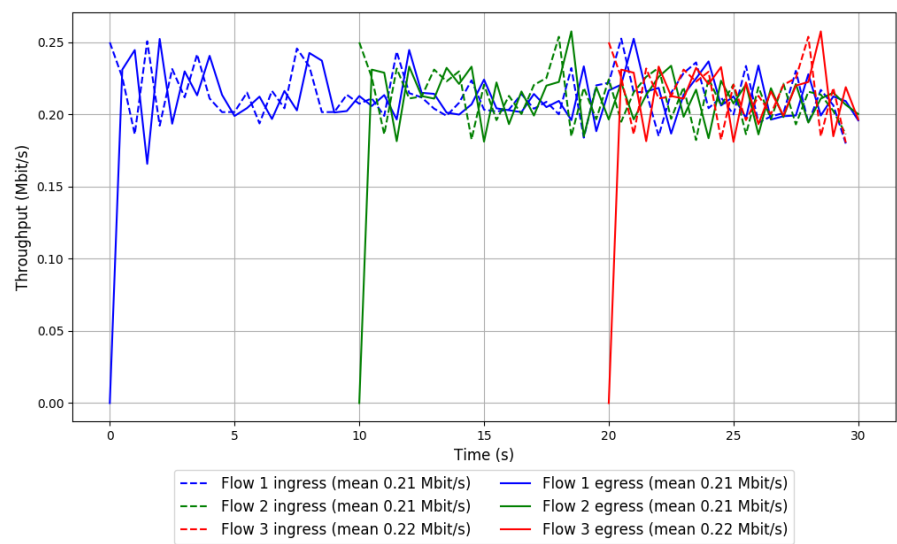


Run 2: Statistics of SReAM

Start at: 2019-08-27 00:05:32
End at: 2019-08-27 00:06:02
Local clock offset: -1.055 ms
Remote clock offset: 6.195 ms

Below is generated by plot.py at 2019-08-27 03:30:22
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 33.957 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 33.961 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 33.958 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 33.907 ms
Loss rate: 0.00%

Run 2: Report of SReAM — Data Link

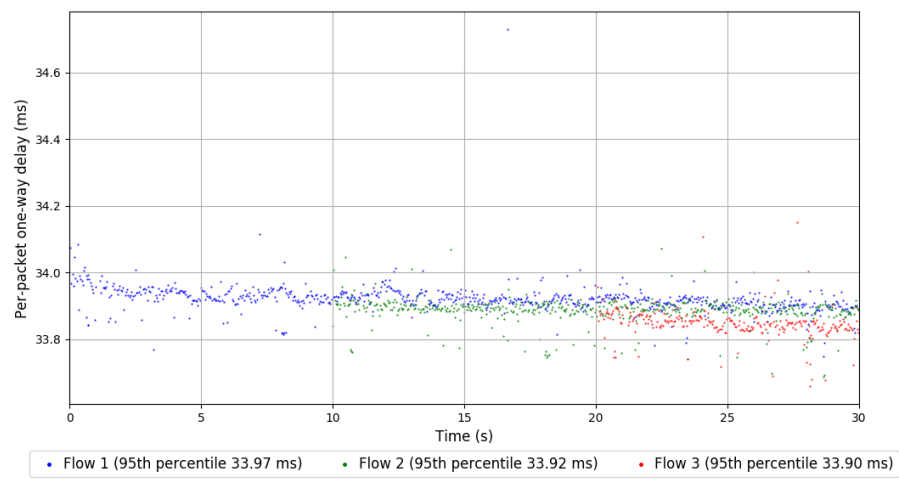
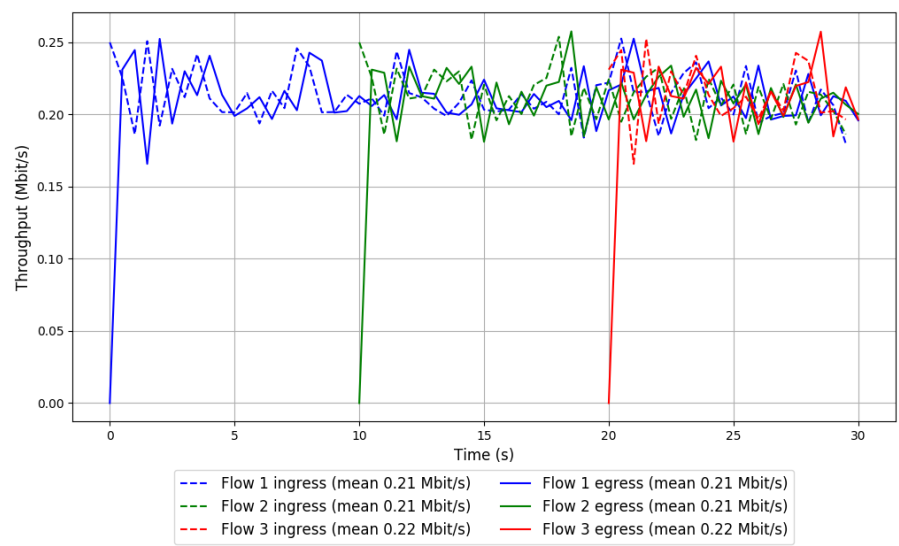


Run 3: Statistics of SCReAM

Start at: 2019-08-27 00:55:19
End at: 2019-08-27 00:55:49
Local clock offset: -1.063 ms
Remote clock offset: 4.868 ms

Below is generated by plot.py at 2019-08-27 03:30:22
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 33.958 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 33.971 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 33.920 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 33.895 ms
Loss rate: 0.00%

Run 3: Report of SReAM — Data Link



Run 4: Statistics of SReAM

Start at: 2019-08-27 01:49:16

End at: 2019-08-27 01:49:46

Local clock offset: -0.89 ms

Remote clock offset: 3.242 ms

Below is generated by plot.py at 2019-08-27 03:30:22

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.43 Mbit/s

95th percentile per-packet one-way delay: 34.014 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 33.980 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 0.21 Mbit/s

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

Loss rate: 0.00%

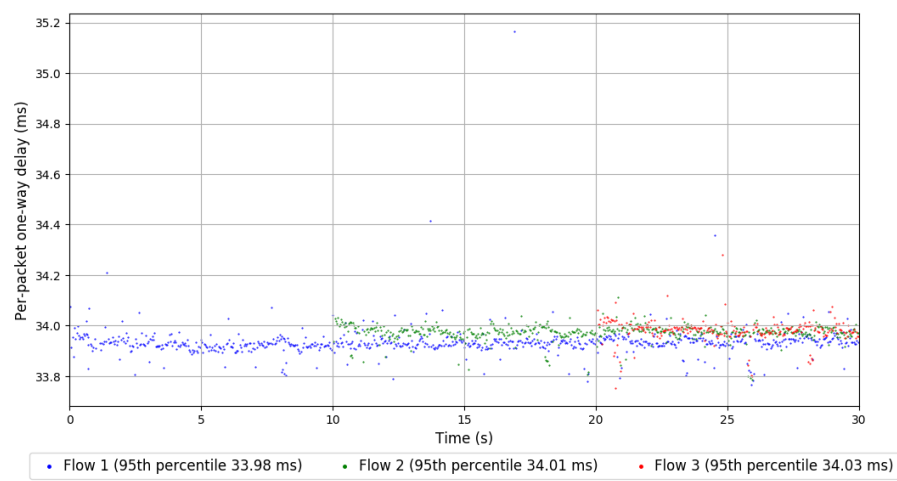
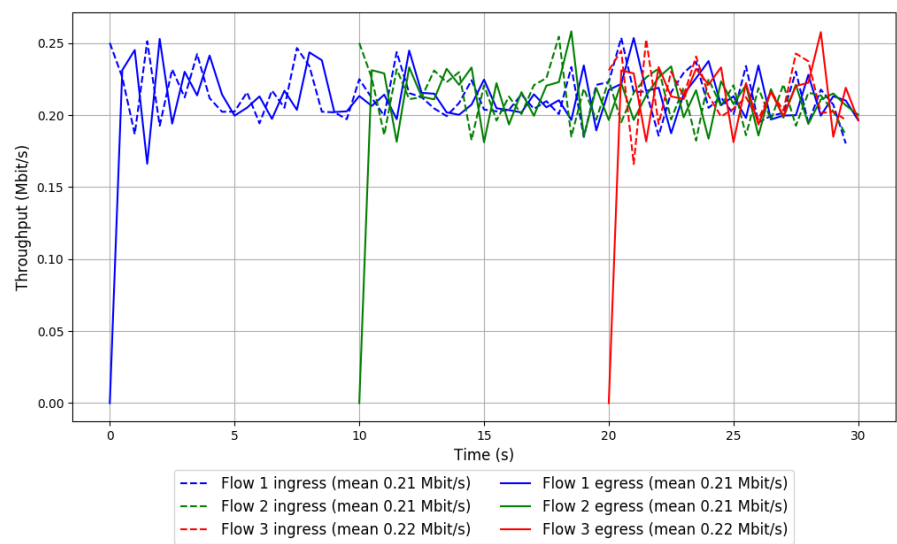
-- Flow 3:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 34.030 ms

Loss rate: 0.00%

Run 4: Report of SReAM — Data Link



Run 5: Statistics of SReAM

Start at: 2019-08-27 02:32:21

End at: 2019-08-27 02:32:51

Local clock offset: -1.174 ms

Remote clock offset: 3.263 ms

Below is generated by plot.py at 2019-08-27 03:30:22

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.43 Mbit/s

95th percentile per-packet one-way delay: 33.920 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 33.920 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 33.925 ms

Loss rate: 0.00%

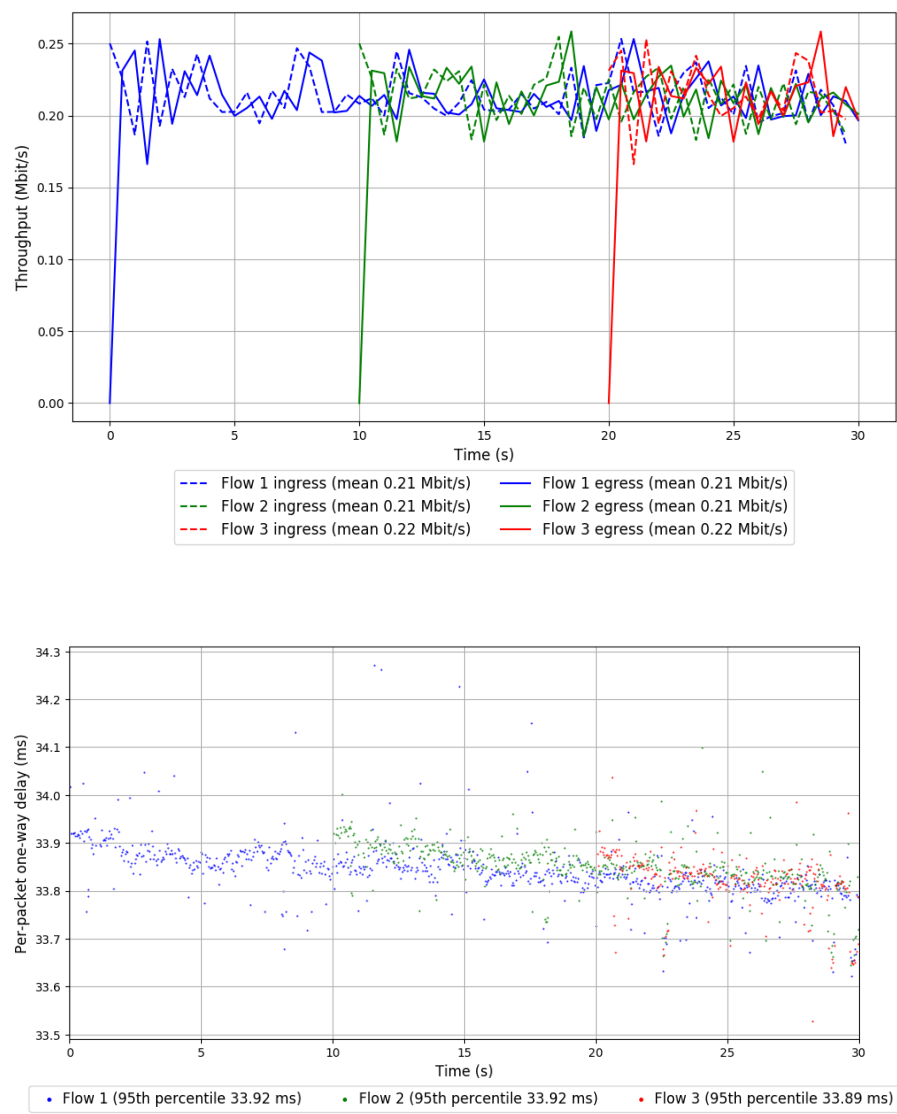
-- Flow 3:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 33.886 ms

Loss rate: 0.00%

Run 5: Report of SCRaM — Data Link



Run 1: Statistics of Sprout

Start at: 2019-08-26 23:10:31

End at: 2019-08-26 23:11:01

Local clock offset: -0.56 ms

Remote clock offset: 5.021 ms

Below is generated by plot.py at 2019-08-27 03:30:22

Datalink statistics

-- Total of 3 flows:

Average throughput: 23.33 Mbit/s

95th percentile per-packet one-way delay: 40.124 ms

Loss rate: 0.01%

-- Flow 1:

Average throughput: 11.79 Mbit/s

95th percentile per-packet one-way delay: 40.321 ms

Loss rate: 0.02%

-- Flow 2:

Average throughput: 11.74 Mbit/s

95th percentile per-packet one-way delay: 39.855 ms

Loss rate: 0.00%

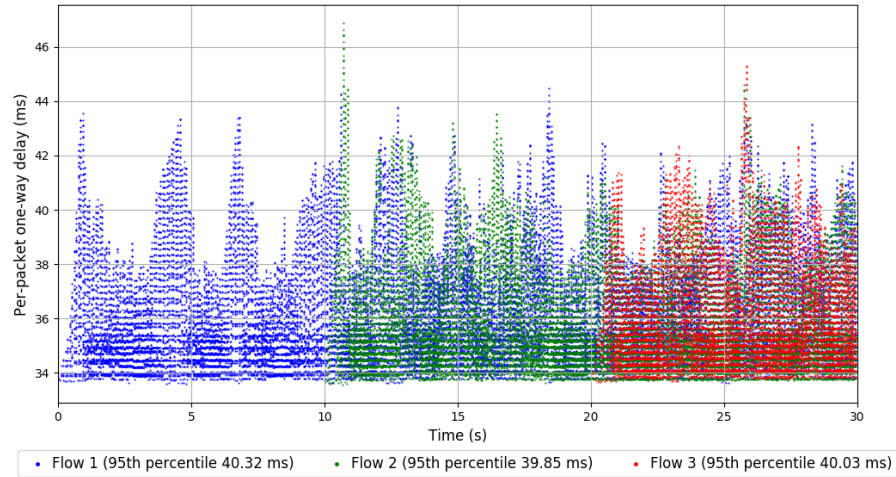
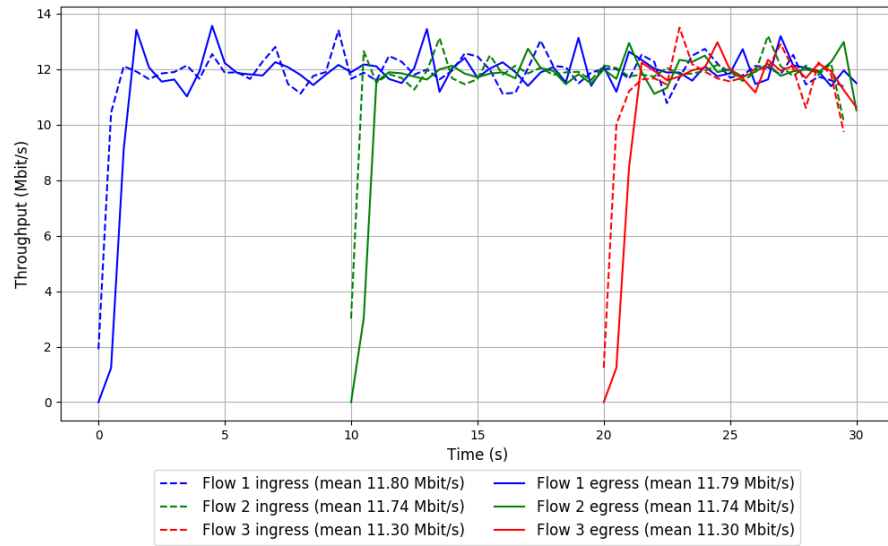
-- Flow 3:

Average throughput: 11.30 Mbit/s

95th percentile per-packet one-way delay: 40.026 ms

Loss rate: 0.00%

Run 1: Report of Sprout — Data Link

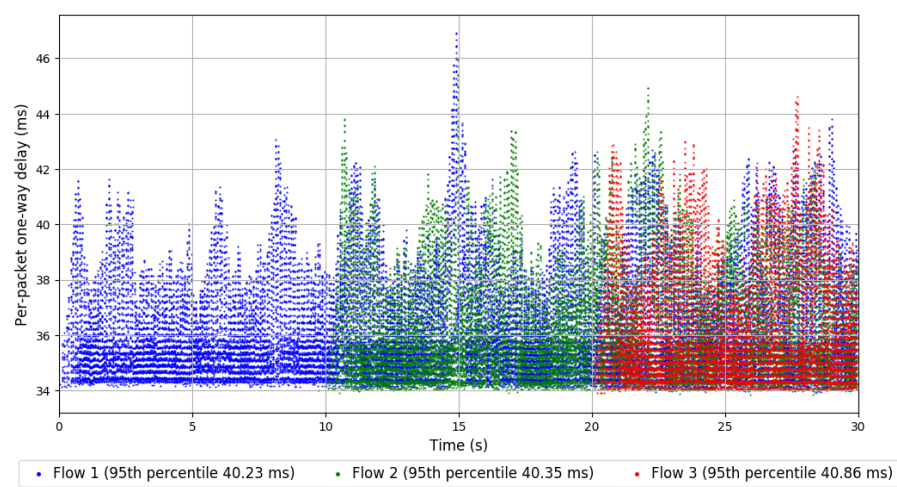
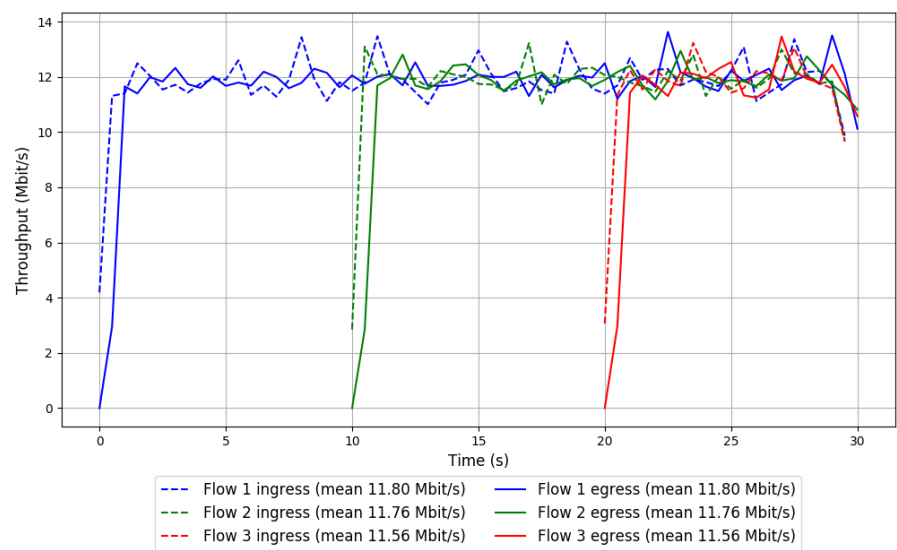


Run 2: Statistics of Sprout

Start at: 2019-08-26 23:55:11
End at: 2019-08-26 23:55:41
Local clock offset: -1.009 ms
Remote clock offset: 6.258 ms

Below is generated by plot.py at 2019-08-27 03:30:22
Datalink statistics
-- Total of 3 flows:
Average throughput: 23.44 Mbit/s
95th percentile per-packet one-way delay: 40.406 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 11.80 Mbit/s
95th percentile per-packet one-way delay: 40.229 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 11.76 Mbit/s
95th percentile per-packet one-way delay: 40.348 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 11.56 Mbit/s
95th percentile per-packet one-way delay: 40.861 ms
Loss rate: 0.00%

Run 2: Report of Sprout — Data Link

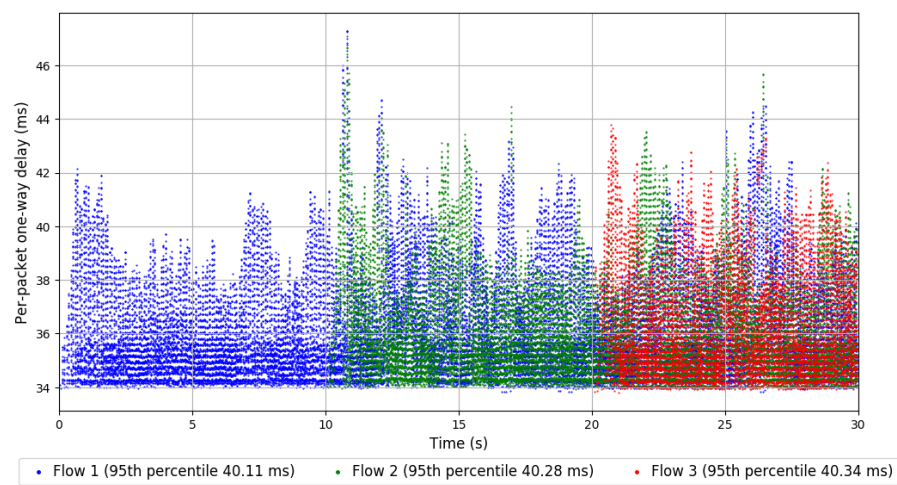
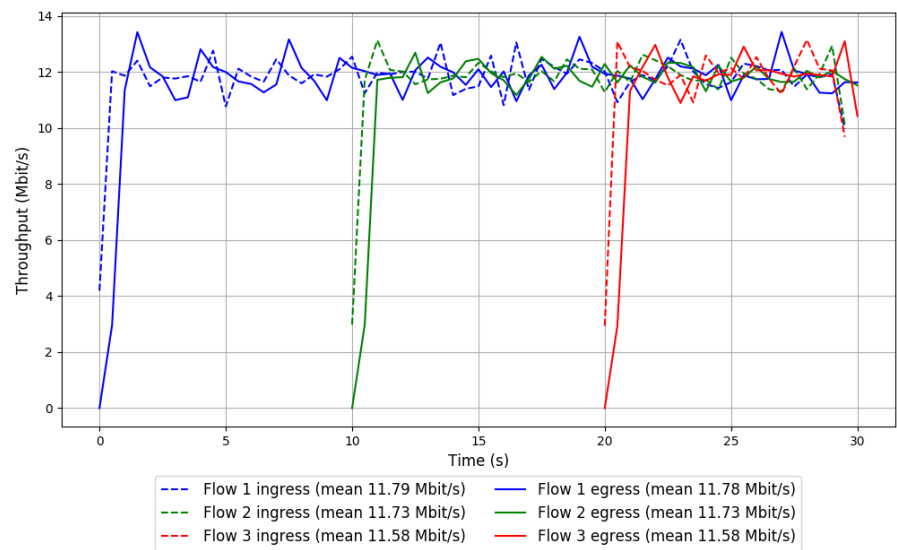


Run 3: Statistics of Sprout

Start at: 2019-08-27 00:44:57
End at: 2019-08-27 00:45:27
Local clock offset: -1.163 ms
Remote clock offset: 4.093 ms

```
# Below is generated by plot.py at 2019-08-27 03:30:22
# Datalink statistics
-- Total of 3 flows:
Average throughput: 23.41 Mbit/s
95th percentile per-packet one-way delay: 40.214 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 11.78 Mbit/s
95th percentile per-packet one-way delay: 40.113 ms
Loss rate: 0.08%
-- Flow 2:
Average throughput: 11.73 Mbit/s
95th percentile per-packet one-way delay: 40.284 ms
Loss rate: 0.03%
-- Flow 3:
Average throughput: 11.58 Mbit/s
95th percentile per-packet one-way delay: 40.338 ms
Loss rate: 0.00%
```

Run 3: Report of Sprout — Data Link

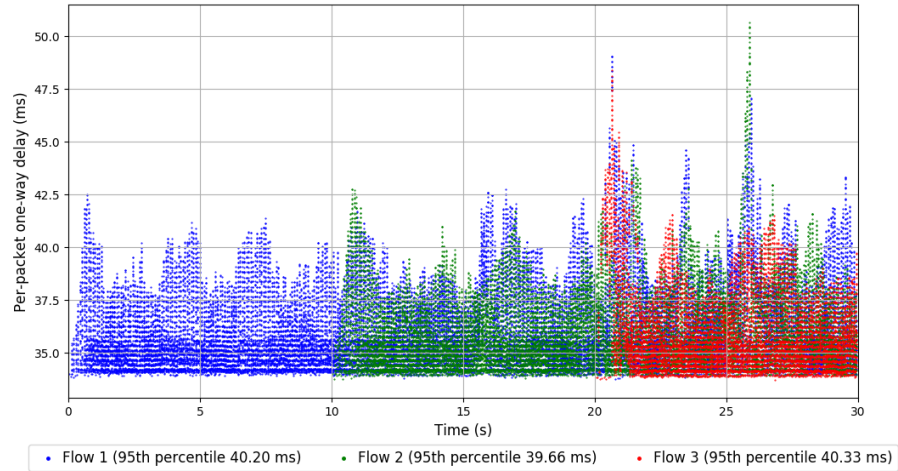
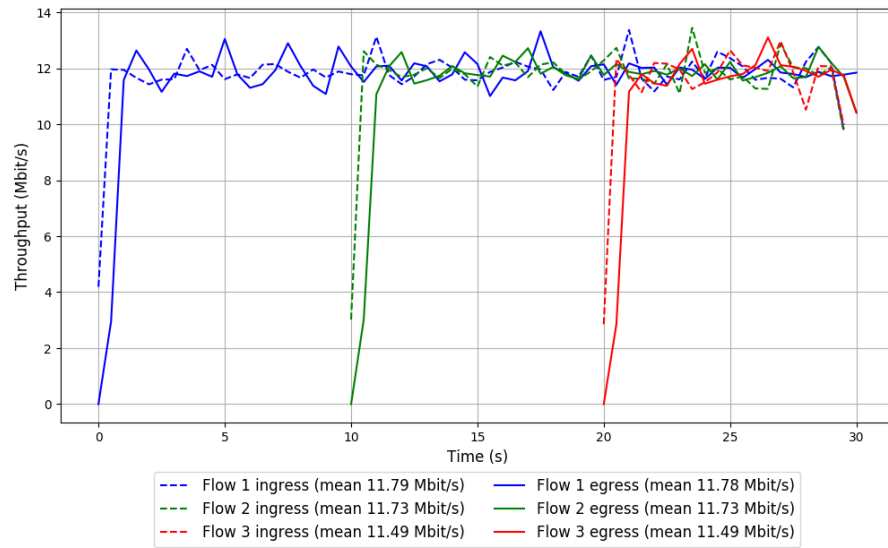


Run 4: Statistics of Sprout

Start at: 2019-08-27 01:38:02
End at: 2019-08-27 01:38:32
Local clock offset: -0.881 ms
Remote clock offset: 4.095 ms

```
# Below is generated by plot.py at 2019-08-27 03:30:22
# Datalink statistics
-- Total of 3 flows:
Average throughput: 23.38 Mbit/s
95th percentile per-packet one-way delay: 40.055 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 11.78 Mbit/s
95th percentile per-packet one-way delay: 40.195 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 11.73 Mbit/s
95th percentile per-packet one-way delay: 39.660 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 11.49 Mbit/s
95th percentile per-packet one-way delay: 40.326 ms
Loss rate: 0.00%
```

Run 4: Report of Sprout — Data Link



Run 5: Statistics of Sprout

Start at: 2019-08-27 02:21:32

End at: 2019-08-27 02:22:02

Local clock offset: -1.059 ms

Remote clock offset: 3.073 ms

Below is generated by plot.py at 2019-08-27 03:30:22

Datalink statistics

-- Total of 3 flows:

Average throughput: 23.45 Mbit/s

95th percentile per-packet one-way delay: 40.176 ms

Loss rate: 0.01%

-- Flow 1:

Average throughput: 11.79 Mbit/s

95th percentile per-packet one-way delay: 39.813 ms

Loss rate: 0.01%

-- Flow 2:

Average throughput: 11.79 Mbit/s

95th percentile per-packet one-way delay: 40.854 ms

Loss rate: 0.00%

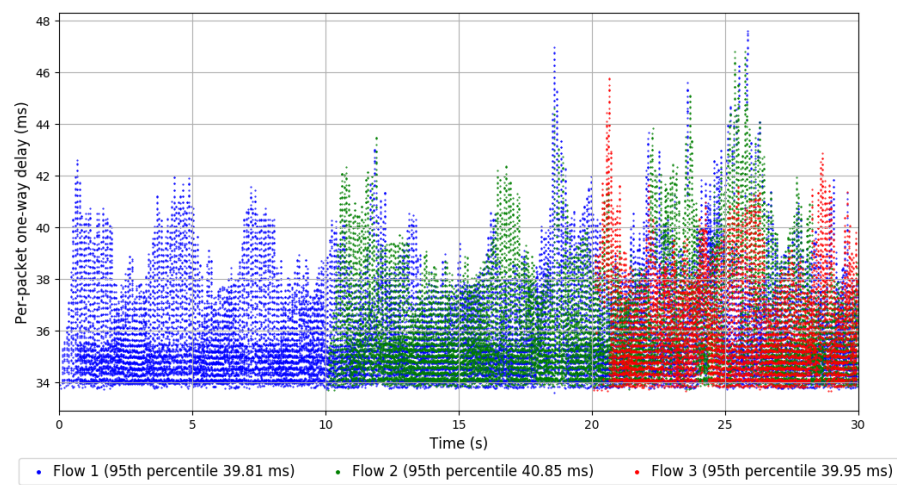
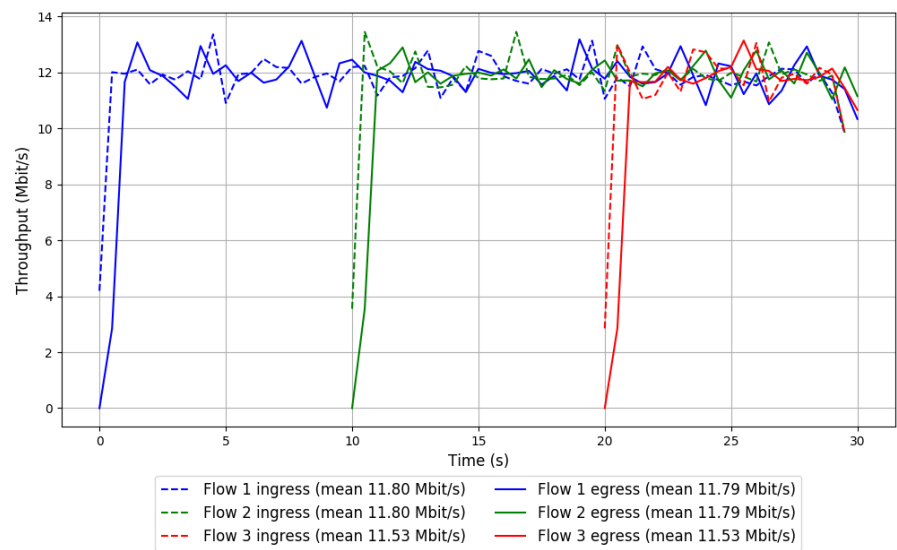
-- Flow 3:

Average throughput: 11.53 Mbit/s

95th percentile per-packet one-way delay: 39.945 ms

Loss rate: 0.00%

Run 5: Report of Sprout — Data Link

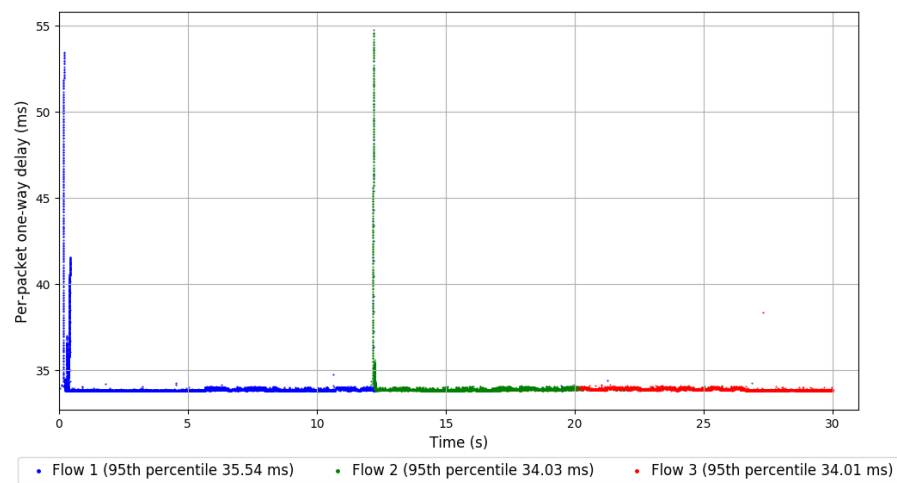
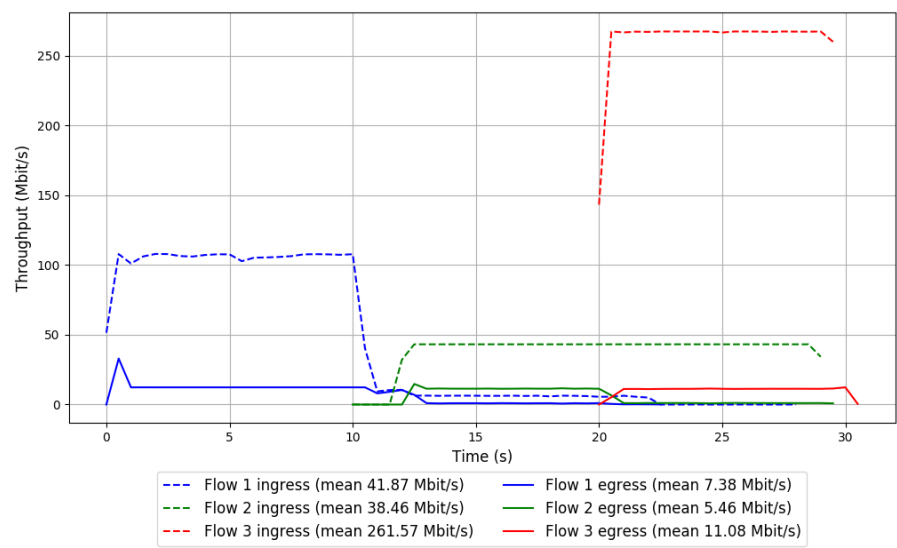


```
Run 1: Statistics of TaoVA-100x

Start at: 2019-08-26 23:36:09
End at: 2019-08-26 23:36:39
Local clock offset: -0.789 ms
Remote clock offset: 4.508 ms

# Below is generated by plot.py at 2019-08-27 03:30:32
# Datalink statistics
-- Total of 3 flows:
Average throughput: 12.68 Mbit/s
95th percentile per-packet one-way delay: 34.037 ms
Loss rate: 91.62%
-- Flow 1:
Average throughput: 7.38 Mbit/s
95th percentile per-packet one-way delay: 35.542 ms
Loss rate: 86.15%
-- Flow 2:
Average throughput: 5.46 Mbit/s
95th percentile per-packet one-way delay: 34.032 ms
Loss rate: 85.86%
-- Flow 3:
Average throughput: 11.08 Mbit/s
95th percentile per-packet one-way delay: 34.005 ms
Loss rate: 95.77%
```

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



Run 2: Statistics of TaoVA-100x

Start at: 2019-08-27 00:22:44

End at: 2019-08-27 00:23:14

Local clock offset: -1.058 ms

Remote clock offset: 5.275 ms

Below is generated by plot.py at 2019-08-27 03:30:32

Datalink statistics

-- Total of 3 flows:

Average throughput: 12.45 Mbit/s

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

Loss rate: 69.99%

-- Flow 1:

Average throughput: 7.02 Mbit/s

95th percentile per-packet one-way delay: 34.814 ms

Loss rate: 76.41%

-- Flow 2:

Average throughput: 6.04 Mbit/s

95th percentile per-packet one-way delay: 36.186 ms

Loss rate: 58.11%

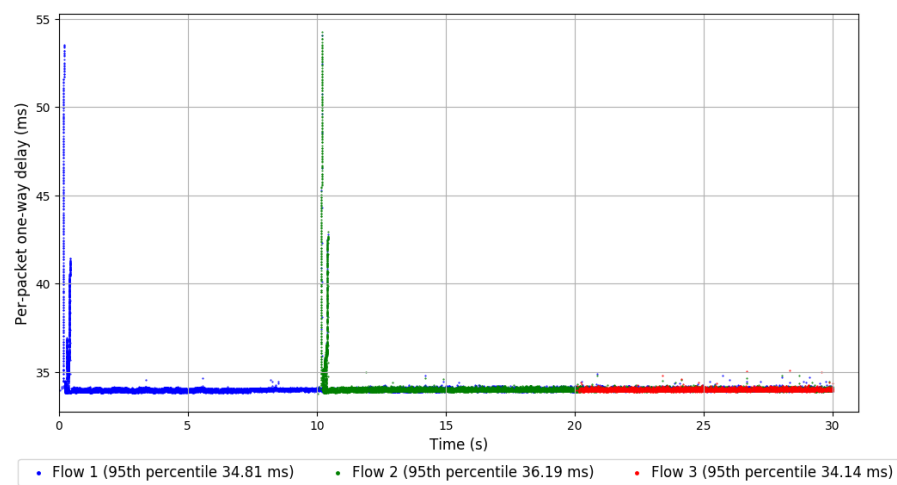
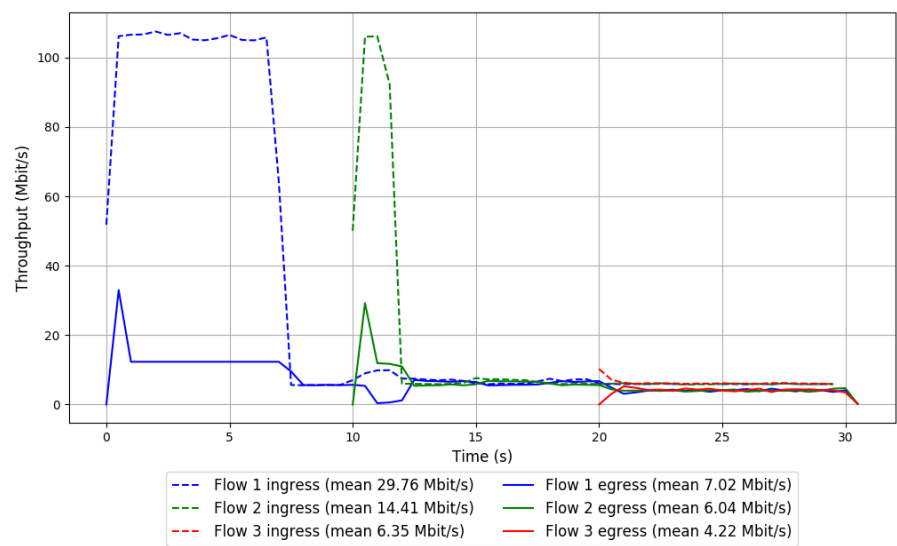
-- Flow 3:

Average throughput: 4.22 Mbit/s

95th percentile per-packet one-way delay: 34.142 ms

Loss rate: 33.56%

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



Run 3: Statistics of TaoVA-100x

Start at: 2019-08-27 01:15:56

End at: 2019-08-27 01:16:26

Local clock offset: -0.922 ms

Remote clock offset: 6.172 ms

Below is generated by plot.py at 2019-08-27 03:30:59

Datalink statistics

-- Total of 3 flows:

Average throughput: 12.68 Mbit/s

95th percentile per-packet one-way delay: 34.088 ms

Loss rate: 95.14%

-- Flow 1:

Average throughput: 6.93 Mbit/s

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

Loss rate: 93.46%

-- Flow 2:

Average throughput: 8.63 Mbit/s

95th percentile per-packet one-way delay: 34.050 ms

Loss rate: 96.29%

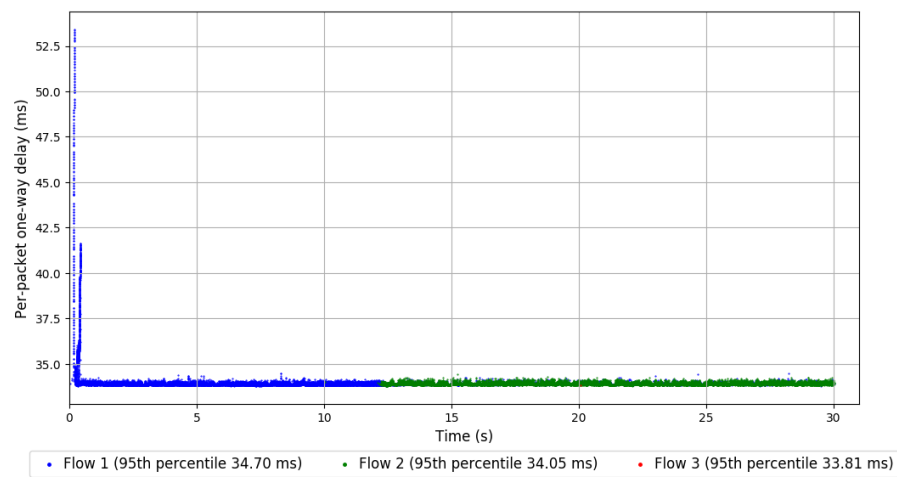
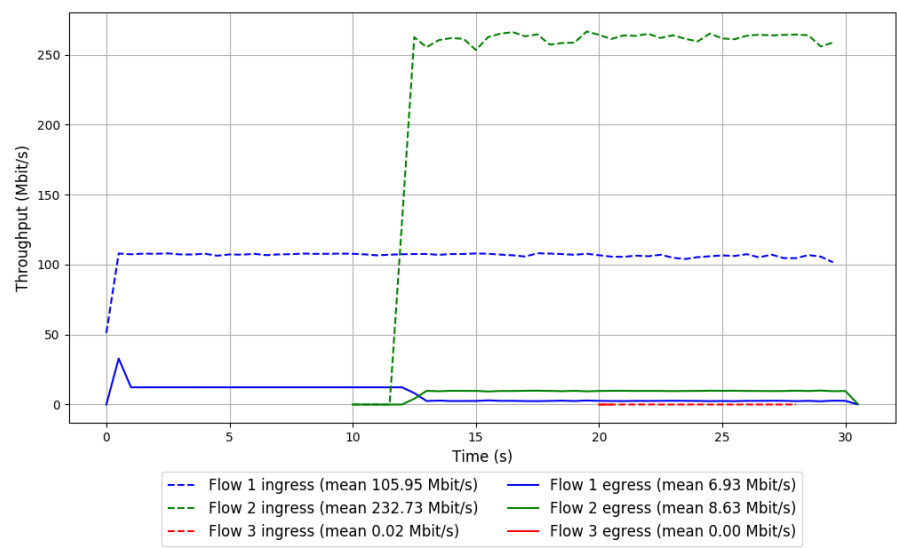
-- Flow 3:

Average throughput: 0.00 Mbit/s

95th percentile per-packet one-way delay: 33.814 ms

Loss rate: 99.16%

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



Run 4: Statistics of TaoVA-100x

Start at: 2019-08-27 02:04:49

End at: 2019-08-27 02:05:19

Local clock offset: -0.873 ms

Remote clock offset: 3.078 ms

Below is generated by plot.py at 2019-08-27 03:31:06

Datalink statistics

-- Total of 3 flows:

Average throughput: 12.68 Mbit/s

95th percentile per-packet one-way delay: 34.064 ms

Loss rate: 95.49%

-- Flow 1:

Average throughput: 6.21 Mbit/s

95th percentile per-packet one-way delay: 35.018 ms

Loss rate: 94.15%

-- Flow 2:

Average throughput: 9.71 Mbit/s

95th percentile per-packet one-way delay: 34.044 ms

Loss rate: 96.30%

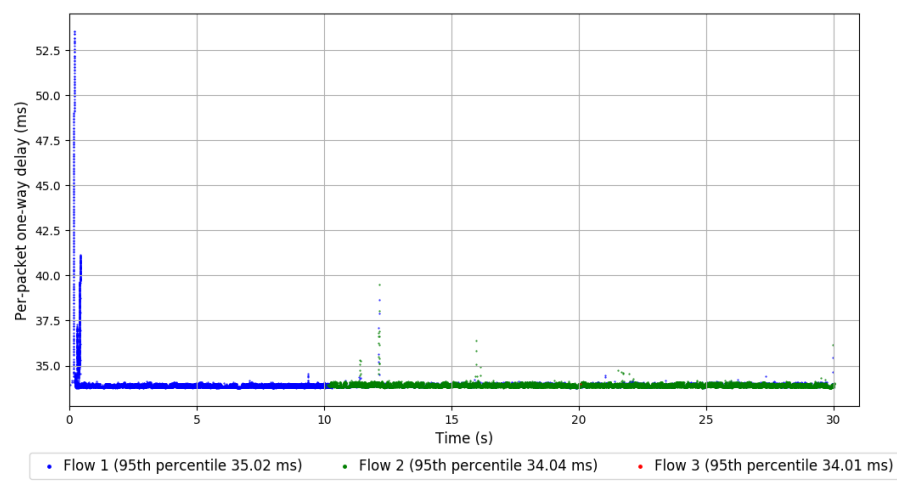
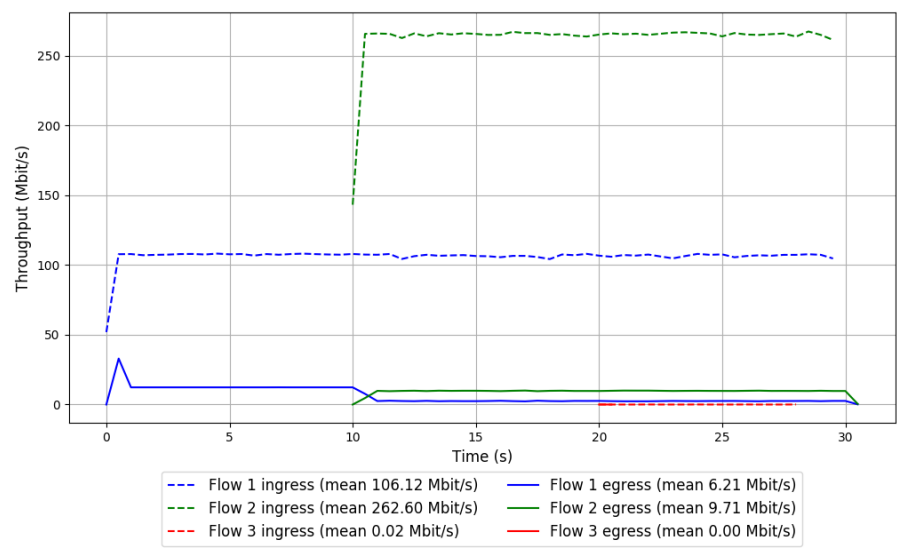
-- Flow 3:

Average throughput: 0.00 Mbit/s

95th percentile per-packet one-way delay: 34.005 ms

Loss rate: 99.16%

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



Run 5: Statistics of TaoVA-100x

Start at: 2019-08-27 02:53:22

End at: 2019-08-27 02:53:52

Local clock offset: -1.274 ms

Remote clock offset: 4.224 ms

Below is generated by plot.py at 2019-08-27 03:31:06

Datalink statistics

-- Total of 3 flows:

Average throughput: 12.68 Mbit/s

95th percentile per-packet one-way delay: 34.120 ms

Loss rate: 91.53%

-- Flow 1:

Average throughput: 5.42 Mbit/s

95th percentile per-packet one-way delay: 36.042 ms

Loss rate: 84.35%

-- Flow 2:

Average throughput: 9.44 Mbit/s

95th percentile per-packet one-way delay: 34.056 ms

Loss rate: 91.02%

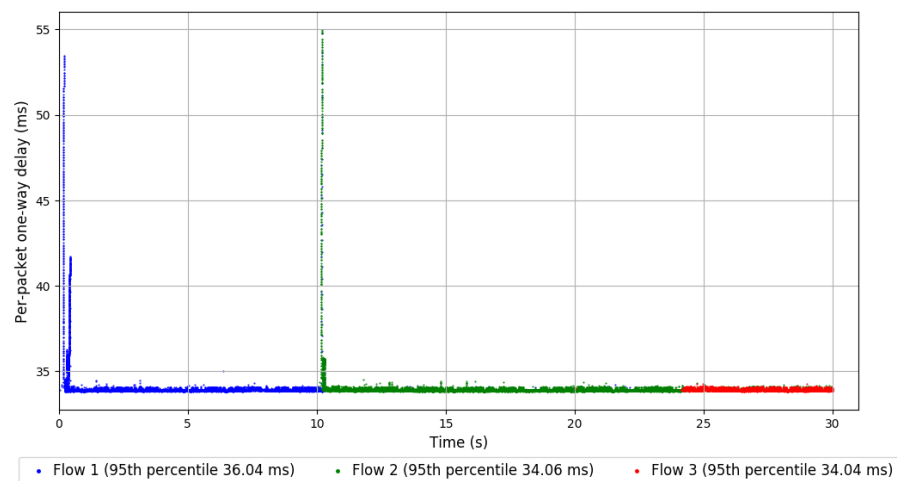
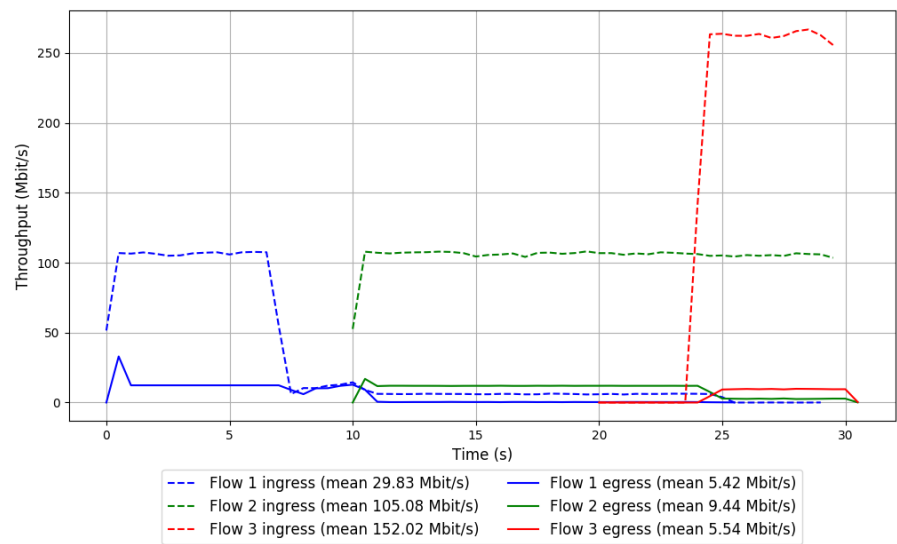
-- Flow 3:

Average throughput: 5.54 Mbit/s

95th percentile per-packet one-way delay: 34.043 ms

Loss rate: 96.36%

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



Run 1: Statistics of TCP Vegas

Start at: 2019-08-26 23:47:05

End at: 2019-08-26 23:47:35

Local clock offset: -0.945 ms

Remote clock offset: 5.402 ms

Below is generated by plot.py at 2019-08-27 03:31:12

Datalink statistics

-- Total of 3 flows:

Average throughput: 96.28 Mbit/s

95th percentile per-packet one-way delay: 45.223 ms

Loss rate: 0.27%

-- Flow 1:

Average throughput: 76.59 Mbit/s

95th percentile per-packet one-way delay: 45.488 ms

Loss rate: 0.33%

-- Flow 2:

Average throughput: 20.07 Mbit/s

95th percentile per-packet one-way delay: 43.233 ms

Loss rate: 0.00%

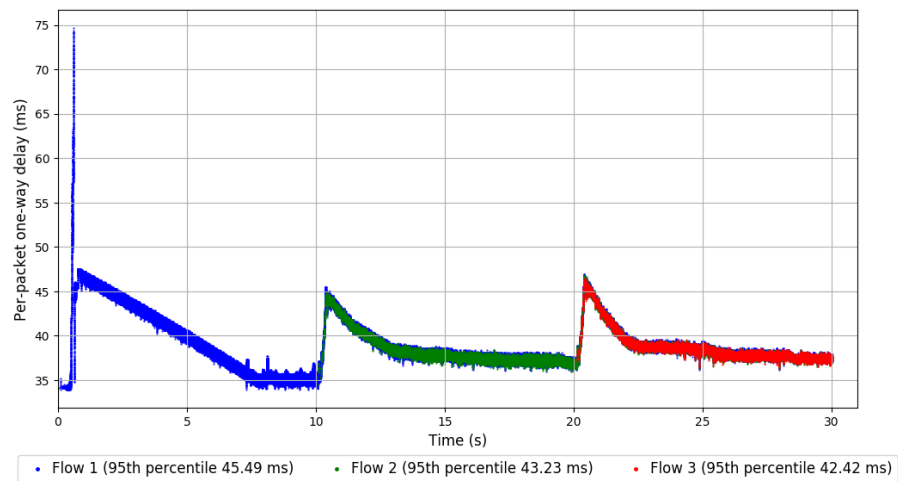
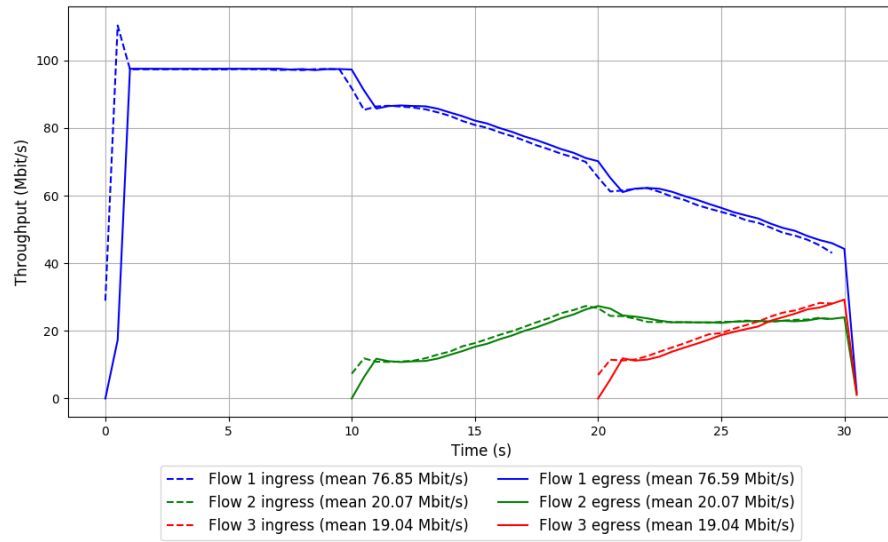
-- Flow 3:

Average throughput: 19.04 Mbit/s

95th percentile per-packet one-way delay: 42.418 ms

Loss rate: 0.01%

Run 1: Report of TCP Vegas — Data Link



Run 2: Statistics of TCP Vegas

Start at: 2019-08-27 00:35:20

End at: 2019-08-27 00:35:50

Local clock offset: -1.135 ms

Remote clock offset: 4.41 ms

Below is generated by plot.py at 2019-08-27 03:31:16

Datalink statistics

-- Total of 3 flows:

Average throughput: 93.90 Mbit/s

95th percentile per-packet one-way delay: 48.672 ms

Loss rate: 0.62%

-- Flow 1:

Average throughput: 75.44 Mbit/s

95th percentile per-packet one-way delay: 46.958 ms

Loss rate: 0.77%

-- Flow 2:

Average throughput: 16.11 Mbit/s

95th percentile per-packet one-way delay: 50.337 ms

Loss rate: 0.00%

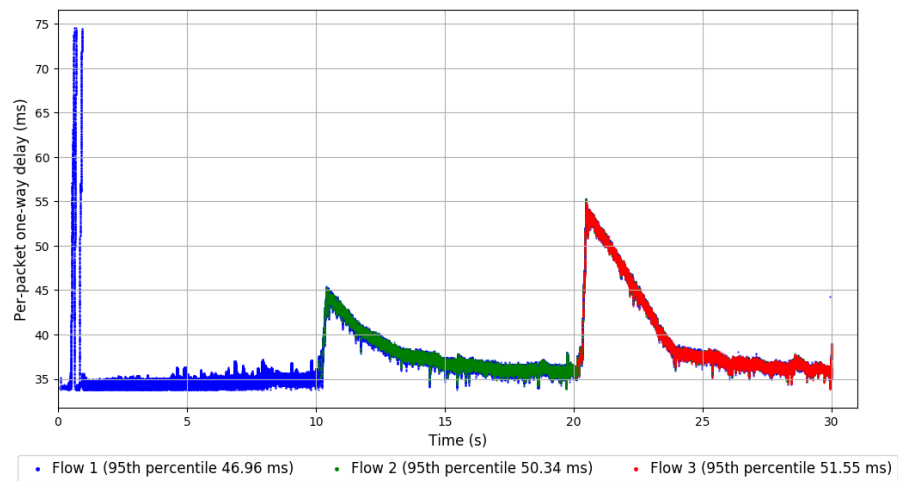
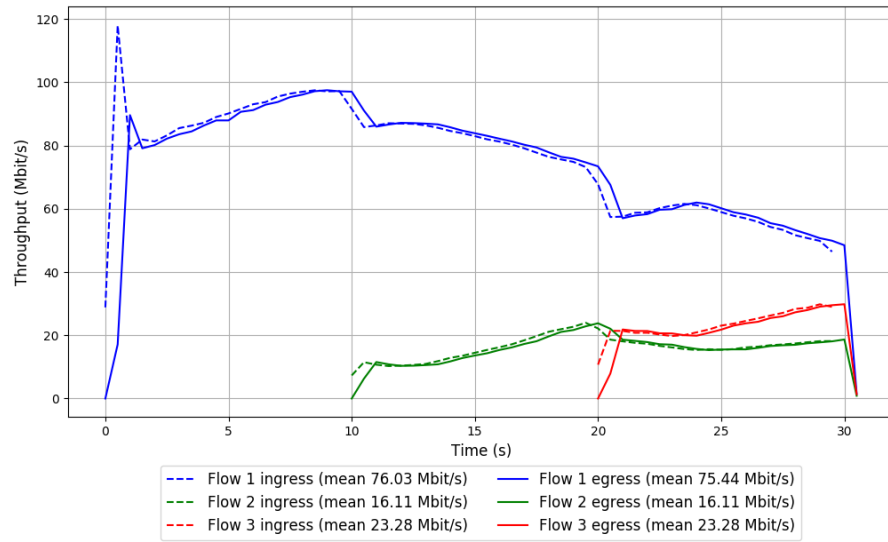
-- Flow 3:

Average throughput: 23.28 Mbit/s

95th percentile per-packet one-way delay: 51.547 ms

Loss rate: 0.00%

Run 2: Report of TCP Vegas — Data Link



Run 3: Statistics of TCP Vegas

Start at: 2019-08-27 01:30:25

End at: 2019-08-27 01:30:55

Local clock offset: -0.914 ms

Remote clock offset: 4.976 ms

Below is generated by plot.py at 2019-08-27 03:31:26

Datalink statistics

-- Total of 3 flows:

Average throughput: 96.23 Mbit/s

95th percentile per-packet one-way delay: 44.918 ms

Loss rate: 0.25%

-- Flow 1:

Average throughput: 78.54 Mbit/s

95th percentile per-packet one-way delay: 45.281 ms

Loss rate: 0.30%

-- Flow 2:

Average throughput: 16.80 Mbit/s

95th percentile per-packet one-way delay: 42.847 ms

Loss rate: 0.00%

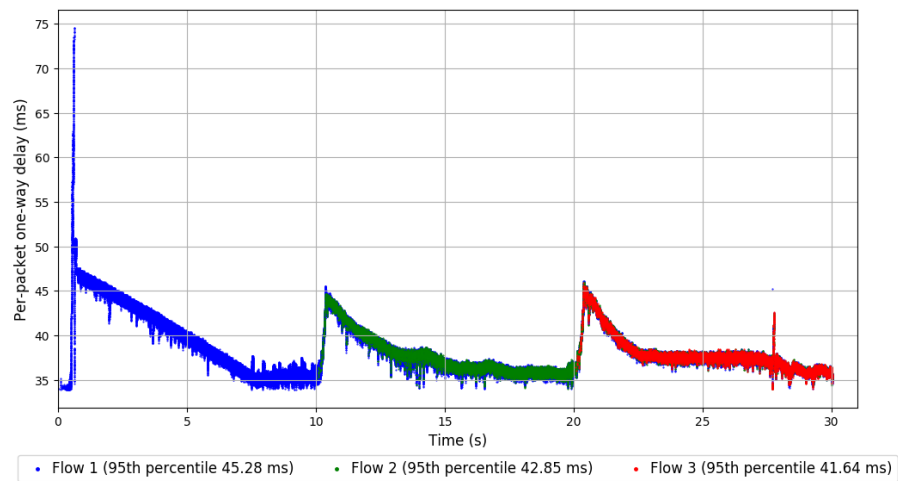
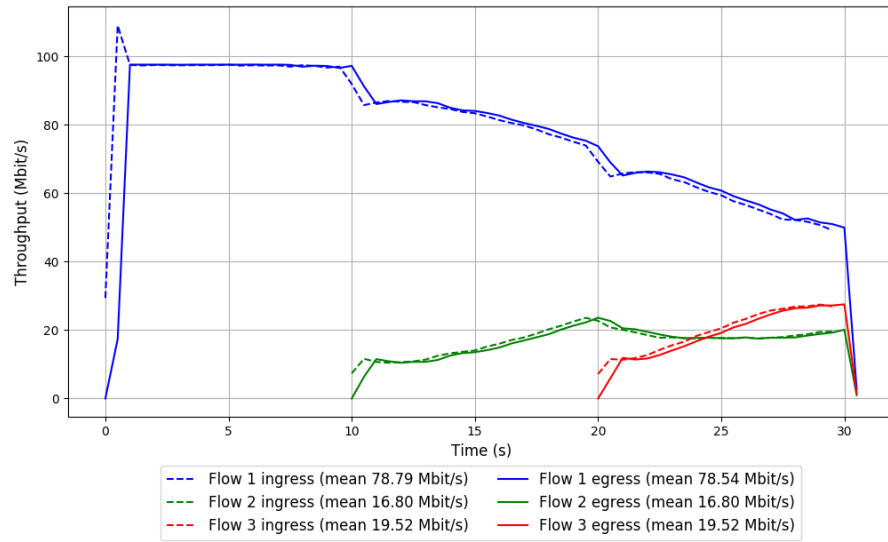
-- Flow 3:

Average throughput: 19.52 Mbit/s

95th percentile per-packet one-way delay: 41.642 ms

Loss rate: 0.00%

Run 3: Report of TCP Vegas — Data Link



Run 4: Statistics of TCP Vegas

Start at: 2019-08-27 02:15:25

End at: 2019-08-27 02:15:55

Local clock offset: -0.969 ms

Remote clock offset: 3.009 ms

Below is generated by plot.py at 2019-08-27 03:31:31

Datalink statistics

-- Total of 3 flows:

Average throughput: 96.04 Mbit/s

95th percentile per-packet one-way delay: 49.103 ms

Loss rate: 0.27%

-- Flow 1:

Average throughput: 80.42 Mbit/s

95th percentile per-packet one-way delay: 48.859 ms

Loss rate: 0.32%

-- Flow 2:

Average throughput: 14.73 Mbit/s

95th percentile per-packet one-way delay: 51.175 ms

Loss rate: 0.01%

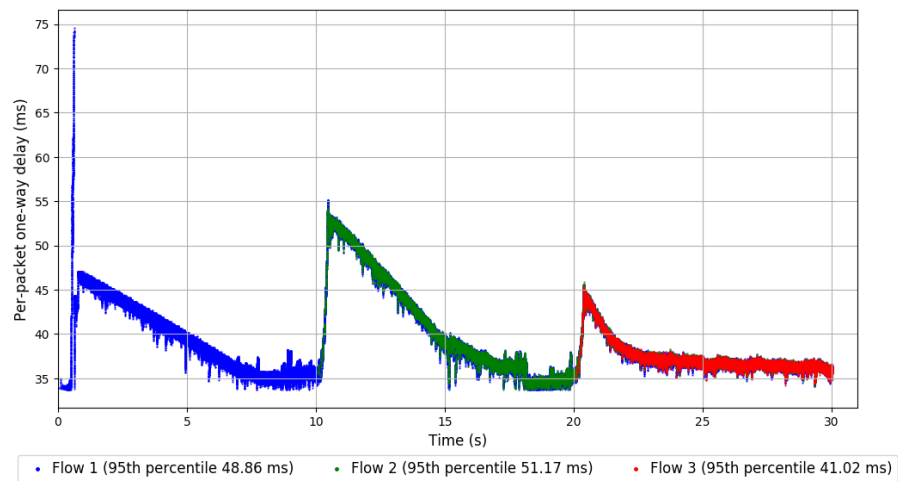
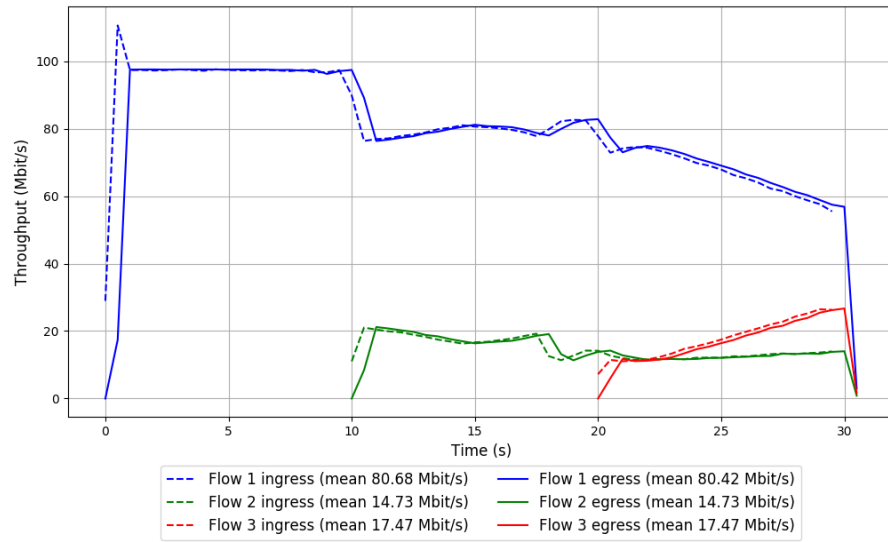
-- Flow 3:

Average throughput: 17.47 Mbit/s

95th percentile per-packet one-way delay: 41.020 ms

Loss rate: 0.00%

Run 4: Report of TCP Vegas — Data Link



Run 5: Statistics of TCP Vegas

Start at: 2019-08-27 03:09:07

End at: 2019-08-27 03:09:37

Local clock offset: -1.364 ms

Remote clock offset: 4.729 ms

Below is generated by plot.py at 2019-08-27 03:31:41

Datalink statistics

-- Total of 3 flows:

Average throughput: 96.12 Mbit/s

95th percentile per-packet one-way delay: 44.498 ms

Loss rate: 0.27%

-- Flow 1:

Average throughput: 78.04 Mbit/s

95th percentile per-packet one-way delay: 44.938 ms

Loss rate: 0.33%

-- Flow 2:

Average throughput: 18.52 Mbit/s

95th percentile per-packet one-way delay: 42.112 ms

Loss rate: 0.00%

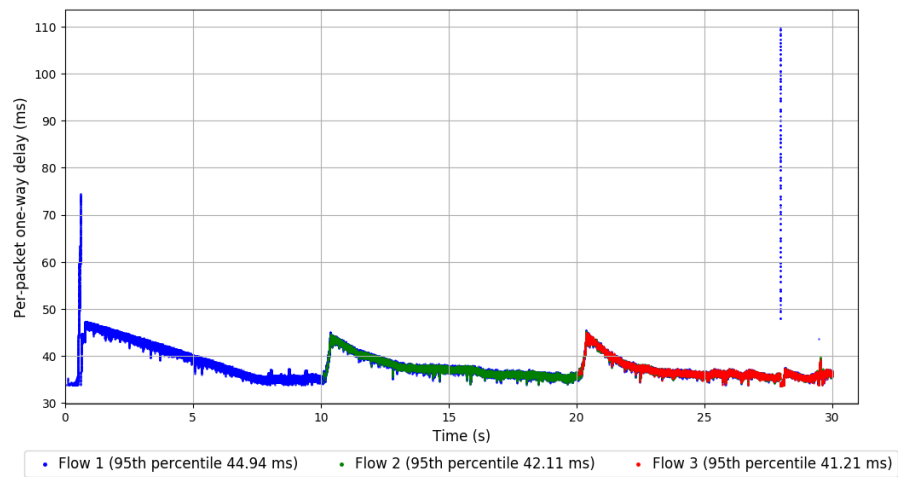
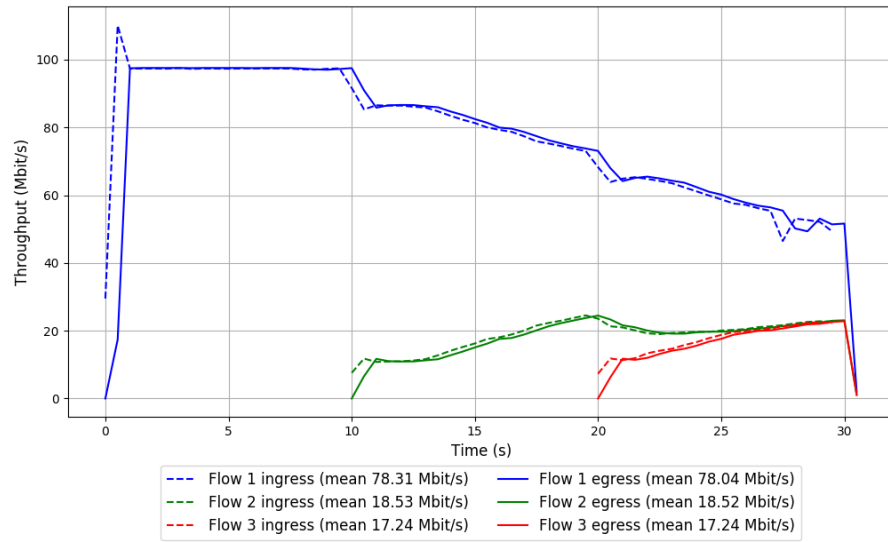
-- Flow 3:

Average throughput: 17.24 Mbit/s

95th percentile per-packet one-way delay: 41.214 ms

Loss rate: 0.00%

Run 5: Report of TCP Vegas — Data Link



Run 1: Statistics of Verus

Start at: 2019-08-26 23:13:56

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

Local clock offset: -0.613 ms

Remote clock offset: 4.901 ms

Below is generated by plot.py at 2019-08-27 03:31:41

Datalink statistics

-- Total of 3 flows:

Average throughput: 64.42 Mbit/s

95th percentile per-packet one-way delay: 69.645 ms

Loss rate: 28.76%

-- Flow 1:

Average throughput: 51.52 Mbit/s

95th percentile per-packet one-way delay: 69.657 ms

Loss rate: 29.42%

-- Flow 2:

Average throughput: 16.11 Mbit/s

95th percentile per-packet one-way delay: 69.468 ms

Loss rate: 26.15%

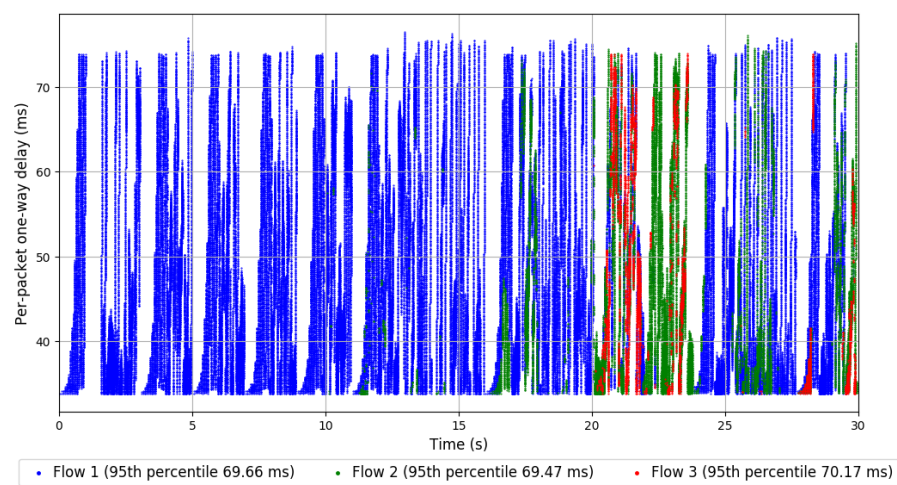
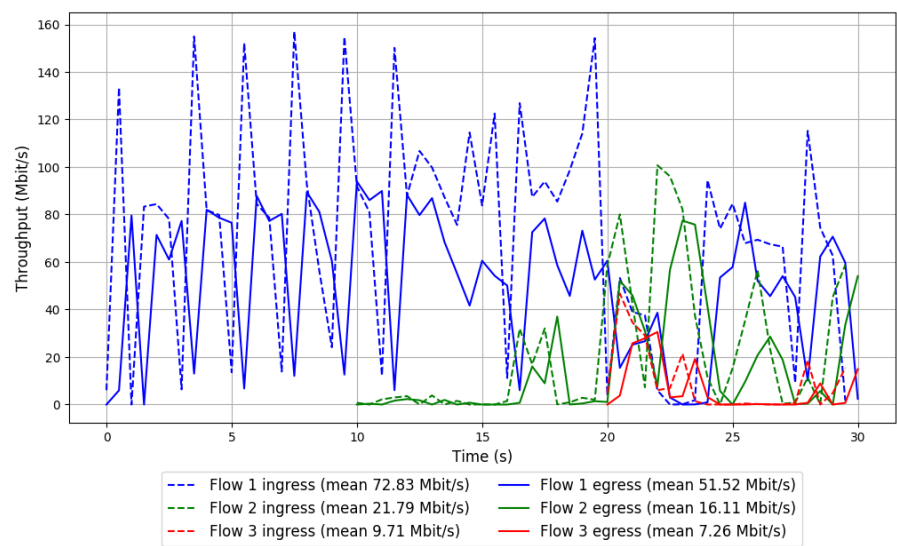
-- Flow 3:

Average throughput: 7.26 Mbit/s

95th percentile per-packet one-way delay: 70.172 ms

Loss rate: 25.59%

Run 1: Report of Verus — Data Link



Run 2: Statistics of Verus

Start at: 2019-08-26 23:58:44

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

Local clock offset: -1.02 ms

Remote clock offset: 6.135 ms

Below is generated by plot.py at 2019-08-27 03:32:03

Datalink statistics

-- Total of 3 flows:

Average throughput: 68.07 Mbit/s

95th percentile per-packet one-way delay: 71.083 ms

Loss rate: 41.96%

-- Flow 1:

Average throughput: 42.97 Mbit/s

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

Loss rate: 23.00%

-- Flow 2:

Average throughput: 30.29 Mbit/s

95th percentile per-packet one-way delay: 69.601 ms

Loss rate: 26.77%

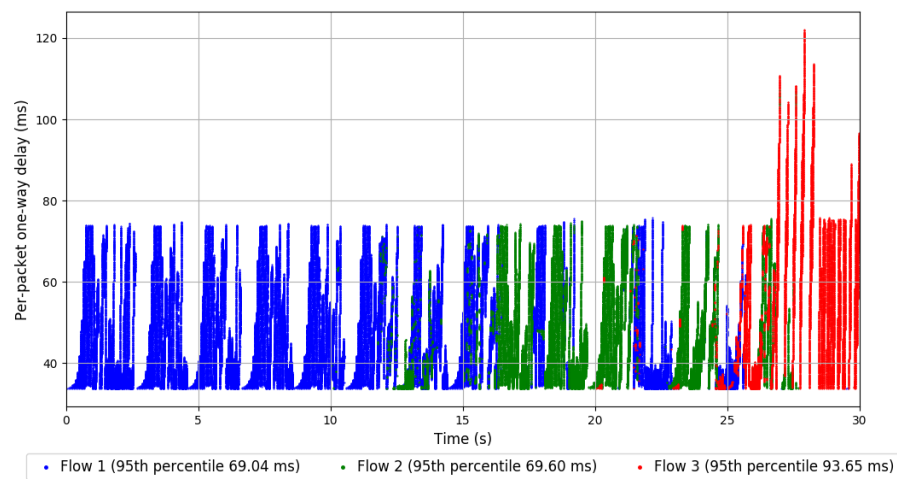
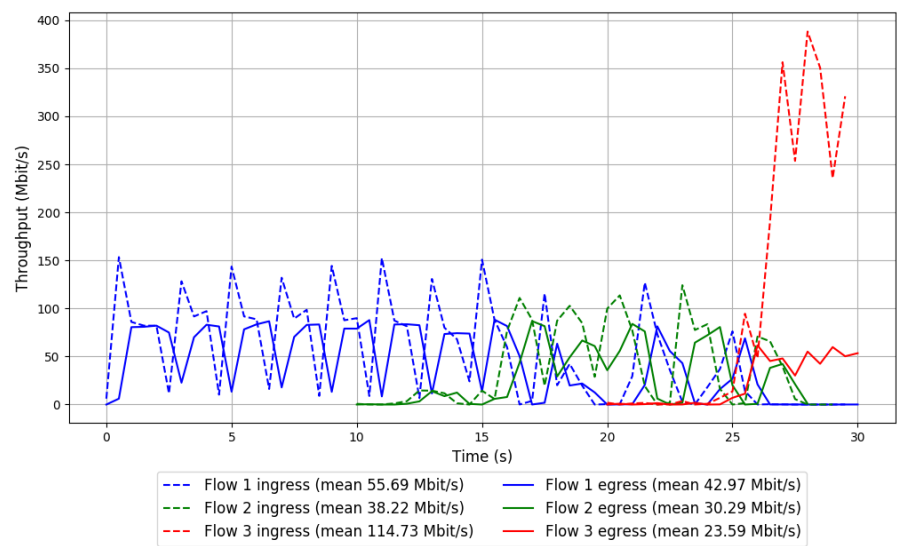
-- Flow 3:

Average throughput: 23.59 Mbit/s

95th percentile per-packet one-way delay: 93.653 ms

Loss rate: 79.32%

Run 2: Report of Verus — Data Link



Run 3: Statistics of Verus

Start at: 2019-08-27 00:48:13

End at: 2019-08-27 00:48:43

Local clock offset: -1.163 ms

Remote clock offset: 4.009 ms

Below is generated by plot.py at 2019-08-27 03:32:03

Datalink statistics

-- Total of 3 flows:

Average throughput: 61.06 Mbit/s

95th percentile per-packet one-way delay: 69.783 ms

Loss rate: 34.91%

-- Flow 1:

Average throughput: 45.45 Mbit/s

95th percentile per-packet one-way delay: 69.832 ms

Loss rate: 35.60%

-- Flow 2:

Average throughput: 21.30 Mbit/s

95th percentile per-packet one-way delay: 69.374 ms

Loss rate: 31.76%

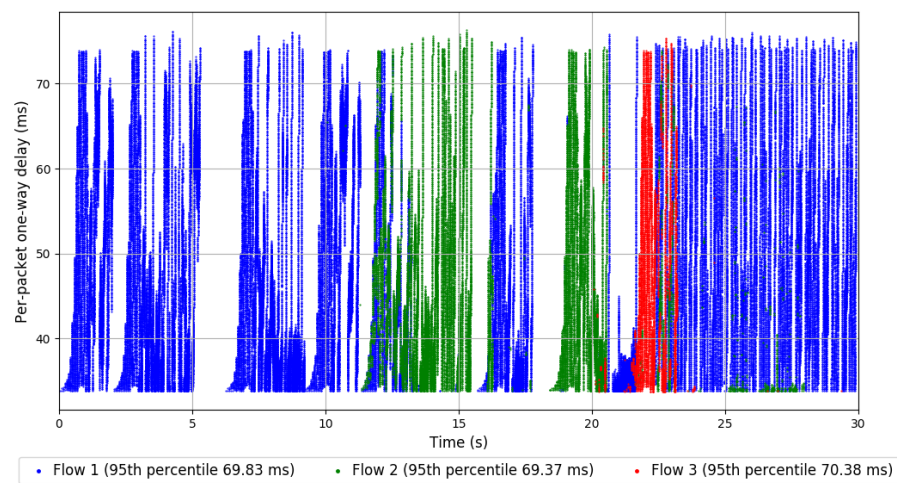
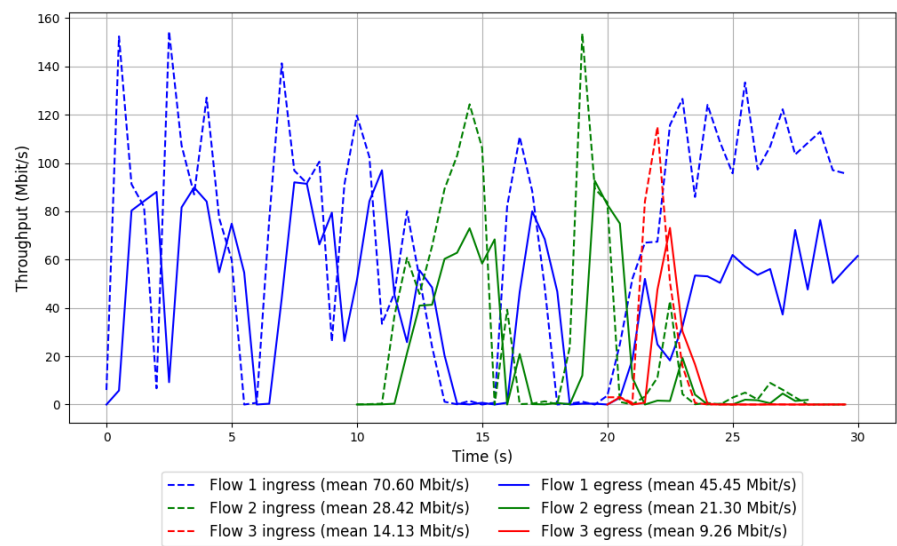
-- Flow 3:

Average throughput: 9.26 Mbit/s

95th percentile per-packet one-way delay: 70.382 ms

Loss rate: 37.17%

Run 3: Report of Verus — Data Link



Run 4: Statistics of Verus

Start at: 2019-08-27 01:42:23

End at: 2019-08-27 01:42:53

Local clock offset: -0.912 ms

Remote clock offset: 3.791 ms

Below is generated by plot.py at 2019-08-27 03:32:06

Datalink statistics

-- Total of 3 flows:

Average throughput: 61.93 Mbit/s

95th percentile per-packet one-way delay: 69.751 ms

Loss rate: 32.51%

-- Flow 1:

Average throughput: 35.93 Mbit/s

95th percentile per-packet one-way delay: 69.617 ms

Loss rate: 29.93%

-- Flow 2:

Average throughput: 25.92 Mbit/s

95th percentile per-packet one-way delay: 70.572 ms

Loss rate: 31.38%

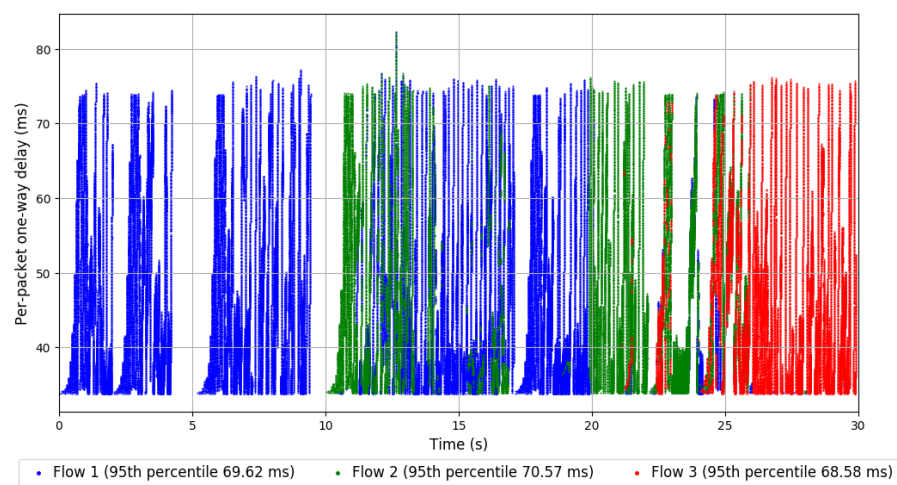
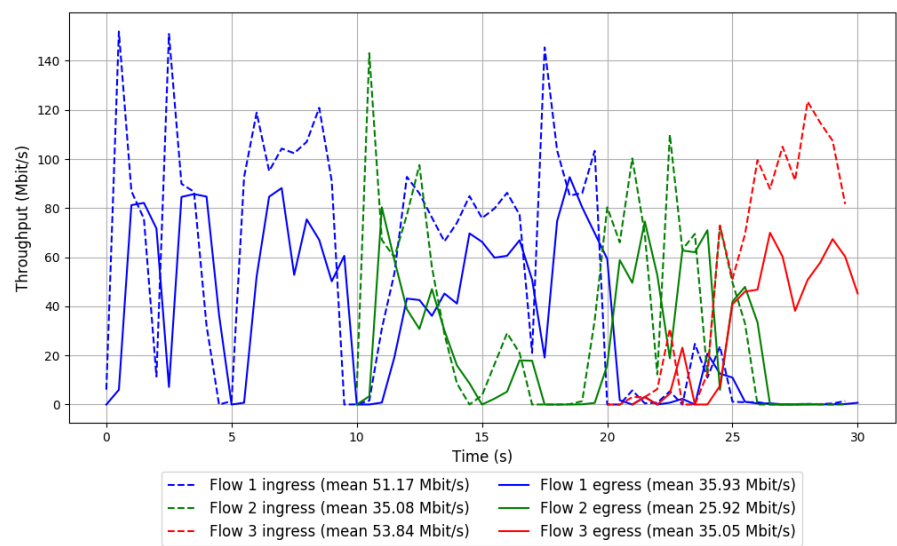
-- Flow 3:

Average throughput: 35.05 Mbit/s

95th percentile per-packet one-way delay: 68.580 ms

Loss rate: 41.38%

Run 4: Report of Verus — Data Link



Run 5: Statistics of Verus

Start at: 2019-08-27 02:25:06

End at: 2019-08-27 02:25:36

Local clock offset: -1.094 ms

Remote clock offset: 3.066 ms

Below is generated by plot.py at 2019-08-27 03:32:12

Datalink statistics

-- Total of 3 flows:

Average throughput: 64.38 Mbit/s

95th percentile per-packet one-way delay: 69.093 ms

Loss rate: 27.27%

-- Flow 1:

Average throughput: 43.46 Mbit/s

95th percentile per-packet one-way delay: 69.202 ms

Loss rate: 25.77%

-- Flow 2:

Average throughput: 31.07 Mbit/s

95th percentile per-packet one-way delay: 68.817 ms

Loss rate: 30.21%

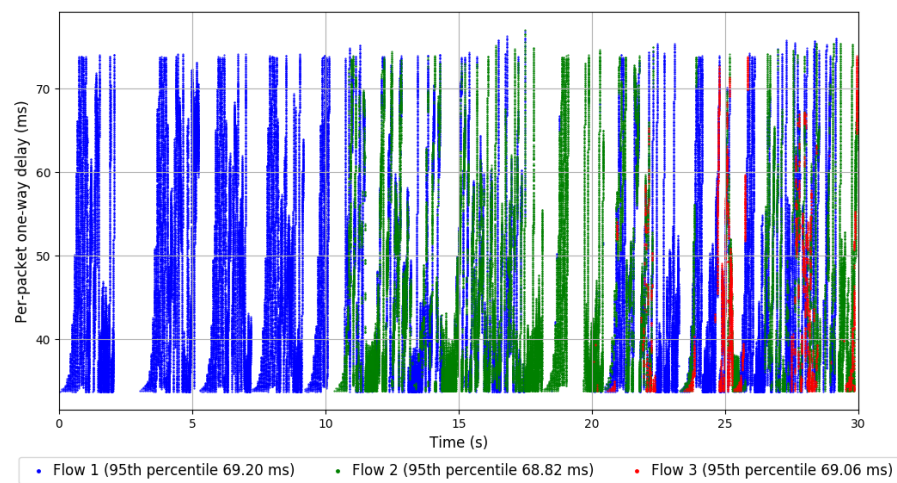
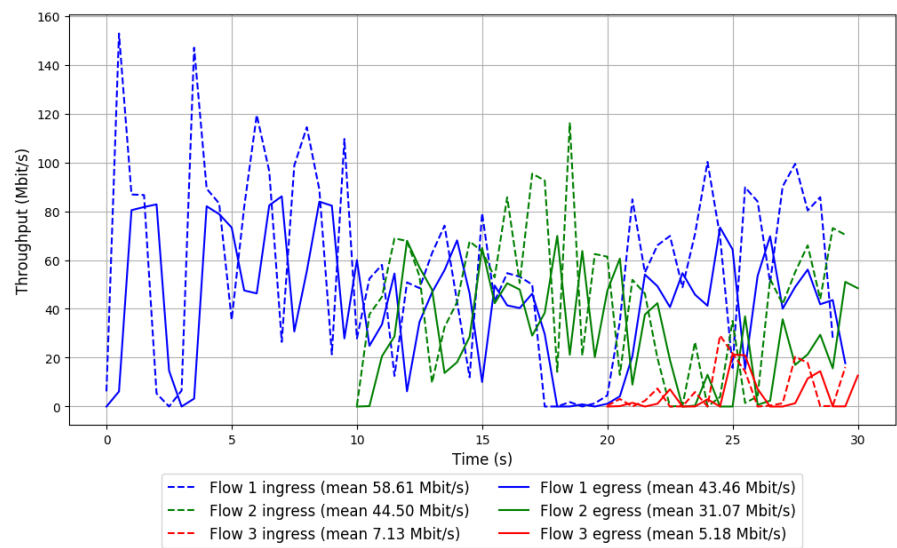
-- Flow 3:

Average throughput: 5.18 Mbit/s

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

Loss rate: 27.21%

Run 5: Report of Verus — Data Link



Run 1: Statistics of PCC-Vivace

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

End at: 2019-08-26 23:25:55

Local clock offset: -0.683 ms

Remote clock offset: 4.486 ms

Below is generated by plot.py at 2019-08-27 03:32:28

Datalink statistics

-- Total of 3 flows:

Average throughput: 85.81 Mbit/s

95th percentile per-packet one-way delay: 44.749 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 65.44 Mbit/s

95th percentile per-packet one-way delay: 44.602 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 24.45 Mbit/s

95th percentile per-packet one-way delay: 45.598 ms

Loss rate: 0.00%

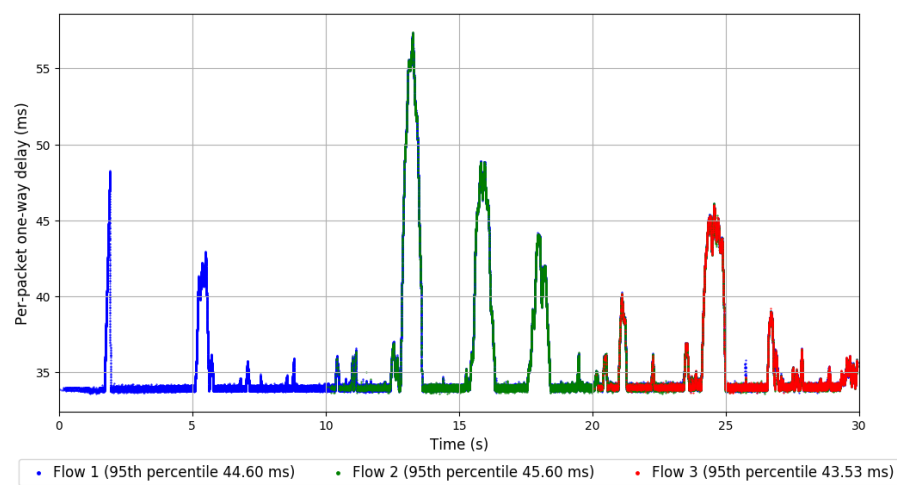
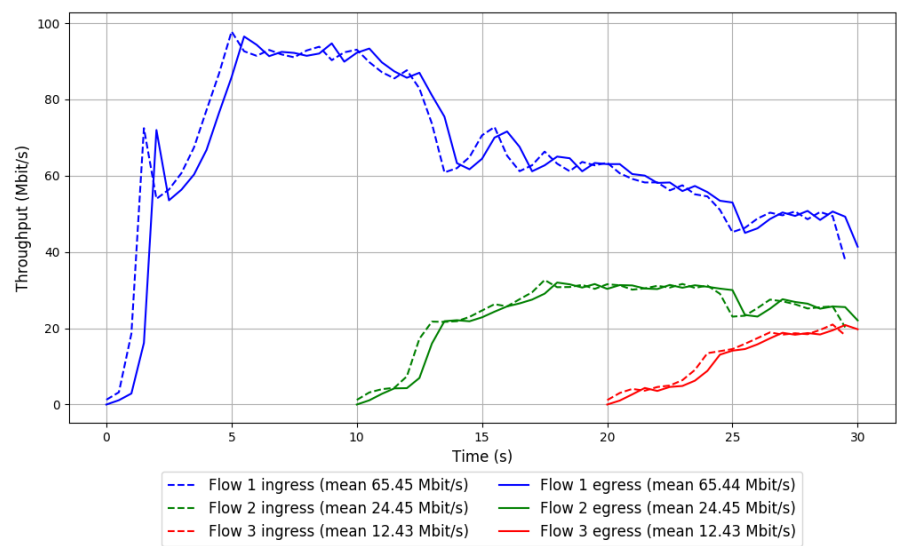
-- Flow 3:

Average throughput: 12.43 Mbit/s

95th percentile per-packet one-way delay: 43.533 ms

Loss rate: 0.00%

Run 1: Report of PCC-Vivace — Data Link



Run 2: Statistics of PCC-Vivace

Start at: 2019-08-27 00:11:38

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

Local clock offset: -1.06 ms

Remote clock offset: 6.364 ms

Below is generated by plot.py at 2019-08-27 03:32:32

Datalink statistics

-- Total of 3 flows:

Average throughput: 84.50 Mbit/s

95th percentile per-packet one-way delay: 41.697 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 65.35 Mbit/s

95th percentile per-packet one-way delay: 40.564 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 21.44 Mbit/s

95th percentile per-packet one-way delay: 43.356 ms

Loss rate: 0.00%

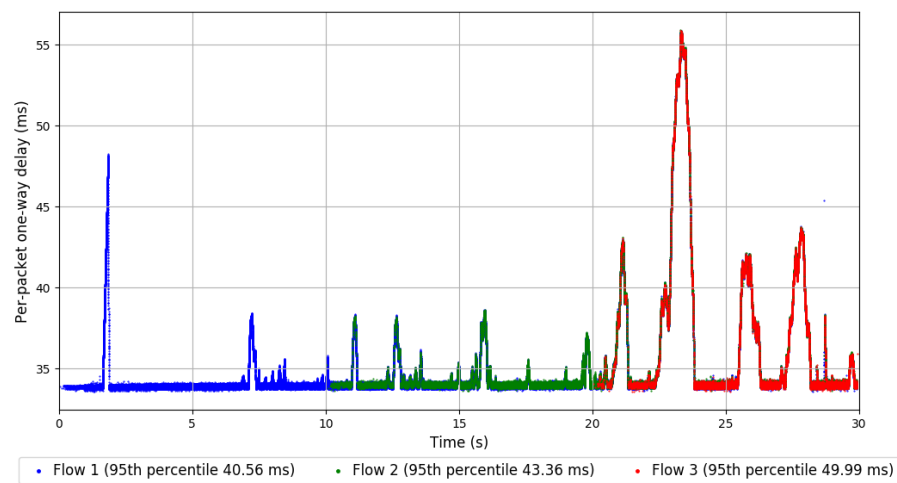
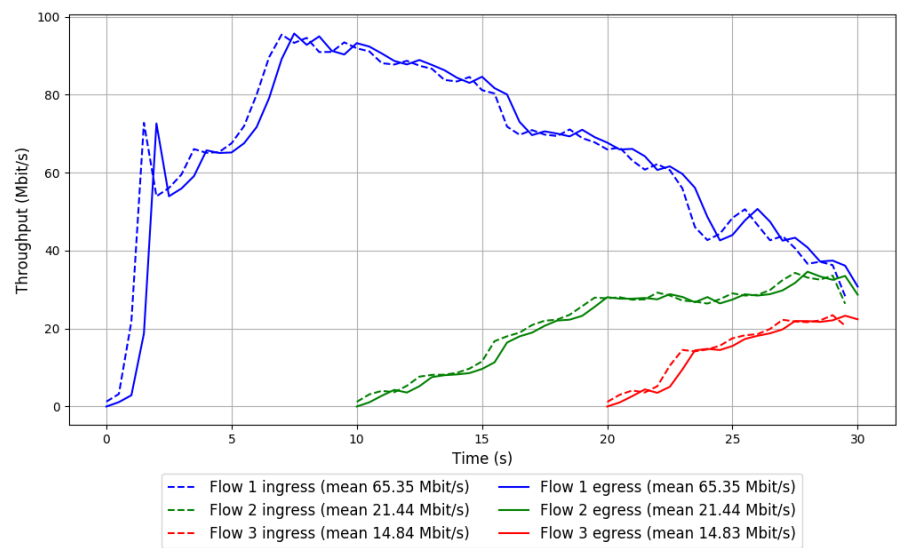
-- Flow 3:

Average throughput: 14.83 Mbit/s

95th percentile per-packet one-way delay: 49.995 ms

Loss rate: 0.00%

Run 2: Report of PCC-Vivace — Data Link



Run 3: Statistics of PCC-Vivace

Start at: 2019-08-27 01:03:21

End at: 2019-08-27 01:03:51

Local clock offset: -1.011 ms

Remote clock offset: 5.652 ms

Below is generated by plot.py at 2019-08-27 03:32:34

Datalink statistics

-- Total of 3 flows:

Average throughput: 84.39 Mbit/s

95th percentile per-packet one-way delay: 40.569 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 70.09 Mbit/s

95th percentile per-packet one-way delay: 41.752 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 15.54 Mbit/s

95th percentile per-packet one-way delay: 38.429 ms

Loss rate: 0.00%

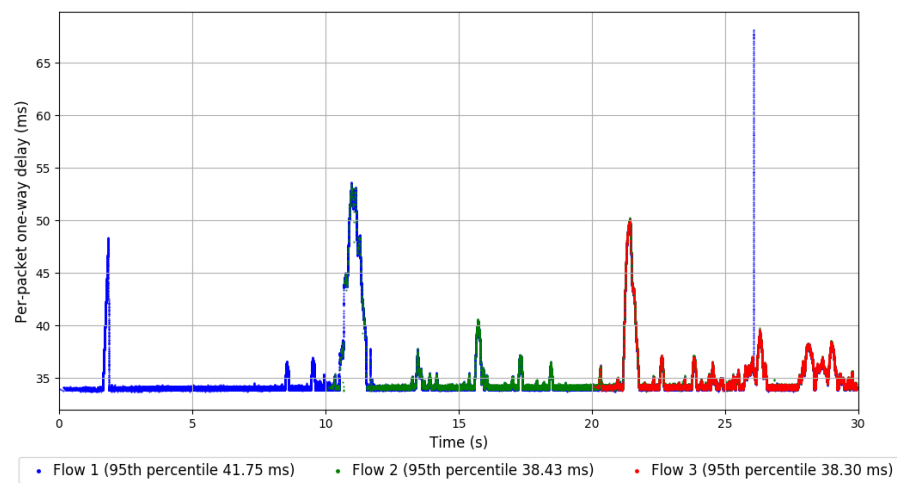
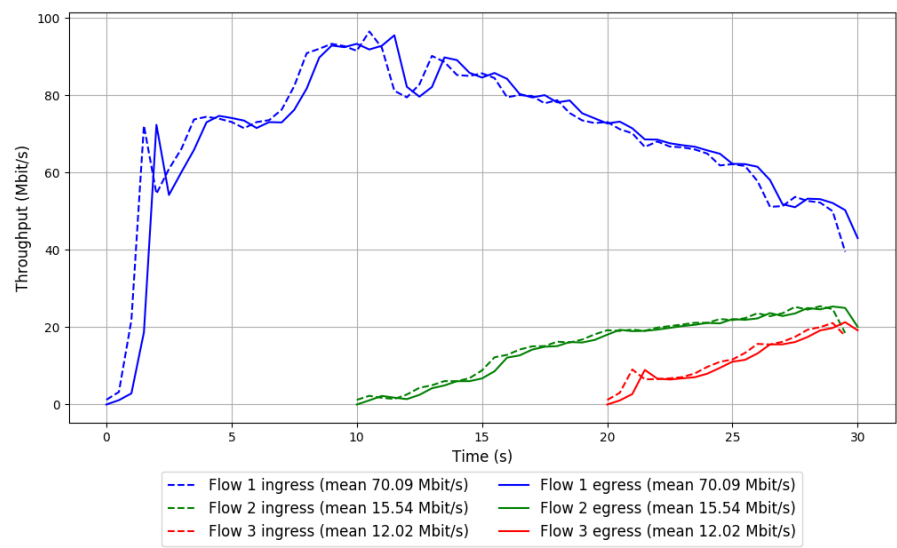
-- Flow 3:

Average throughput: 12.02 Mbit/s

95th percentile per-packet one-way delay: 38.302 ms

Loss rate: 0.00%

Run 3: Report of PCC-Vivace — Data Link



Run 4: Statistics of PCC-Vivace

Start at: 2019-08-27 01:55:04

End at: 2019-08-27 01:55:34

Local clock offset: -0.868 ms

Remote clock offset: 3.126 ms

Below is generated by plot.py at 2019-08-27 03:32:38

Datalink statistics

-- Total of 3 flows:

Average throughput: 86.91 Mbit/s

95th percentile per-packet one-way delay: 42.171 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 69.04 Mbit/s

95th percentile per-packet one-way delay: 41.579 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 21.25 Mbit/s

95th percentile per-packet one-way delay: 43.875 ms

Loss rate: 0.00%

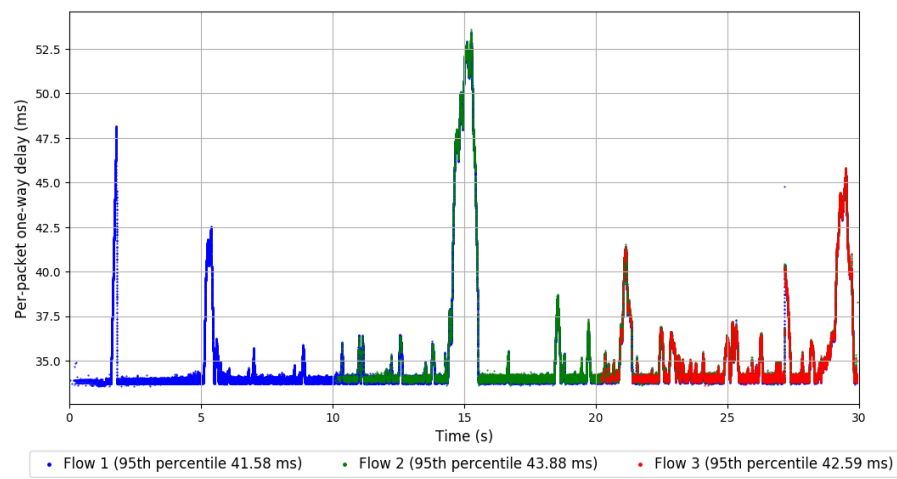
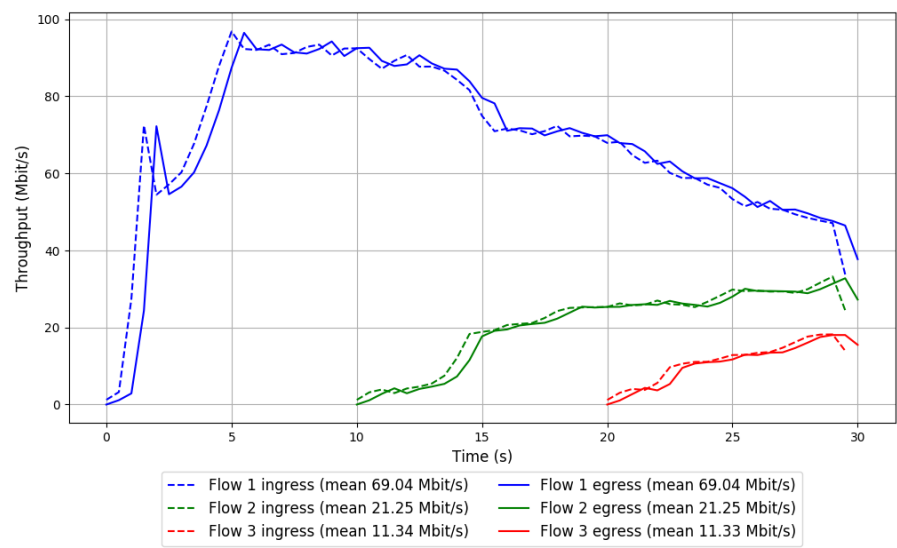
-- Flow 3:

Average throughput: 11.33 Mbit/s

95th percentile per-packet one-way delay: 42.590 ms

Loss rate: 0.00%

Run 4: Report of PCC-Vivace — Data Link



Run 5: Statistics of PCC-Vivace

Start at: 2019-08-27 02:40:09

End at: 2019-08-27 02:40:39

Local clock offset: -1.201 ms

Remote clock offset: 4.063 ms

Below is generated by plot.py at 2019-08-27 03:32:39

Datalink statistics

-- Total of 3 flows:

Average throughput: 86.50 Mbit/s

95th percentile per-packet one-way delay: 40.855 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 66.41 Mbit/s

95th percentile per-packet one-way delay: 40.966 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 26.68 Mbit/s

95th percentile per-packet one-way delay: 40.630 ms

Loss rate: 0.00%

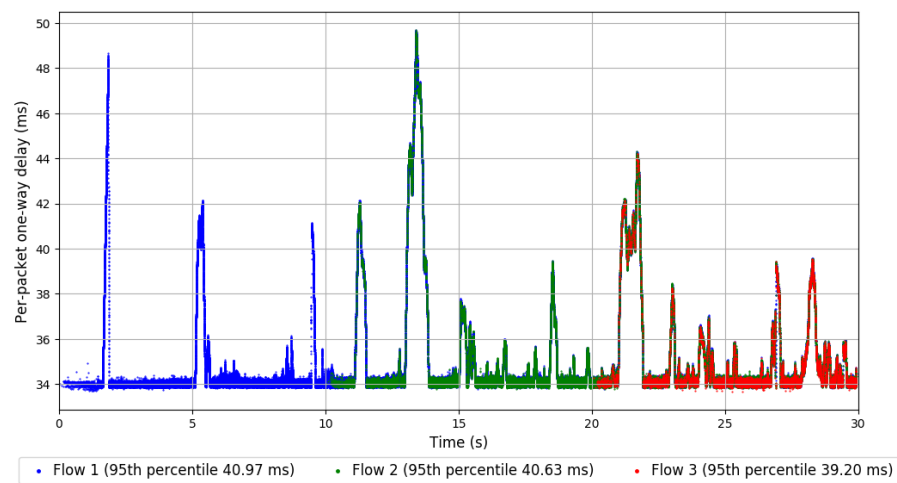
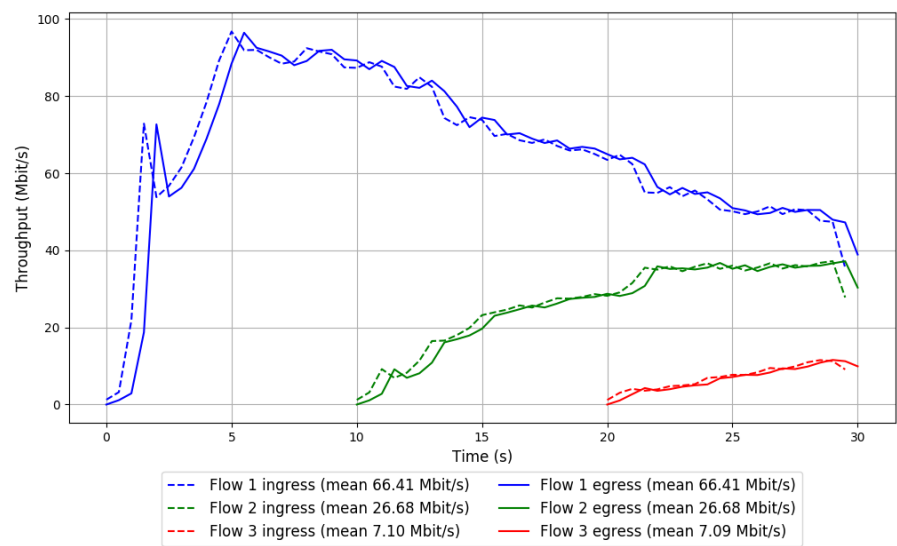
-- Flow 3:

Average throughput: 7.09 Mbit/s

95th percentile per-packet one-way delay: 39.203 ms

Loss rate: 0.00%

Run 5: Report of PCC-Vivace — Data Link



Run 1: Statistics of WebRTC media

Start at: 2019-08-26 23:33:44

End at: 2019-08-26 23:34:14

Local clock offset: -0.768 ms

Remote clock offset: 4.426 ms

Below is generated by plot.py at 2019-08-27 03:32:39

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.14 Mbit/s

95th percentile per-packet one-way delay: 34.713 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 0.05 Mbit/s

95th percentile per-packet one-way delay: 34.571 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 0.05 Mbit/s

95th percentile per-packet one-way delay: 34.757 ms

Loss rate: 0.00%

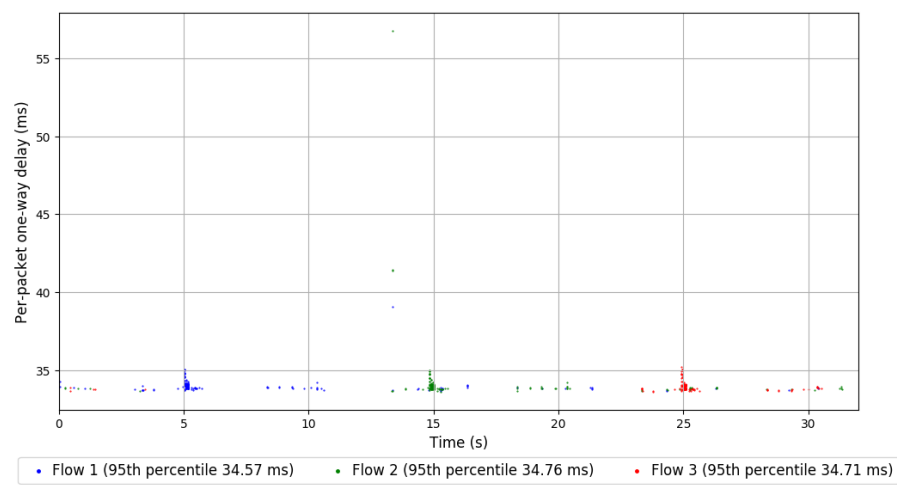
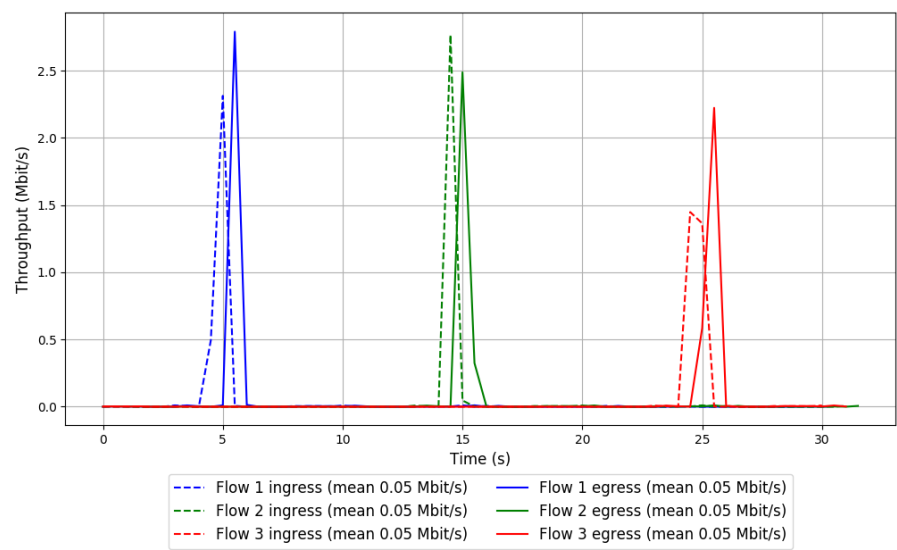
-- Flow 3:

Average throughput: 0.05 Mbit/s

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

Loss rate: 0.00%

Run 1: Report of WebRTC media — Data Link



Run 2: Statistics of WebRTC media

Start at: 2019-08-27 00:20:11

End at: 2019-08-27 00:20:41

Local clock offset: -1.063 ms

Remote clock offset: 5.459 ms

Below is generated by plot.py at 2019-08-27 03:32:39

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.14 Mbit/s

95th percentile per-packet one-way delay: 34.760 ms

Loss rate: 0.02%

-- Flow 1:

Average throughput: 0.05 Mbit/s

95th percentile per-packet one-way delay: 34.878 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 0.05 Mbit/s

95th percentile per-packet one-way delay: 34.769 ms

Loss rate: 0.05%

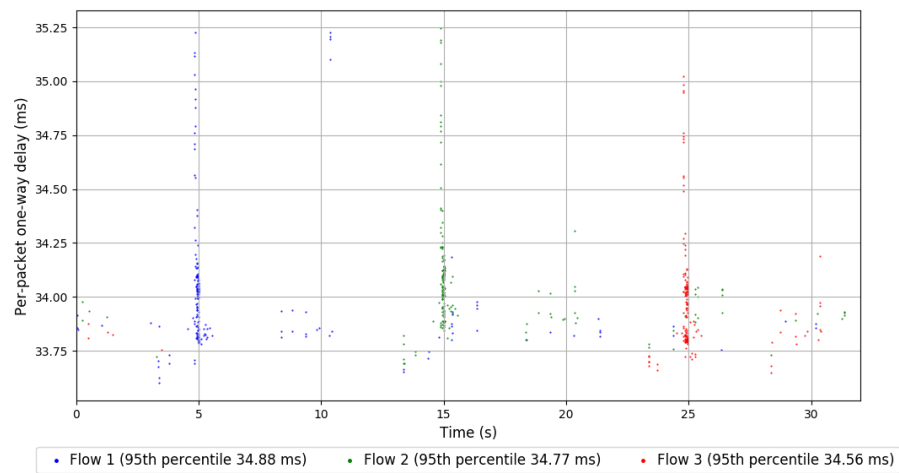
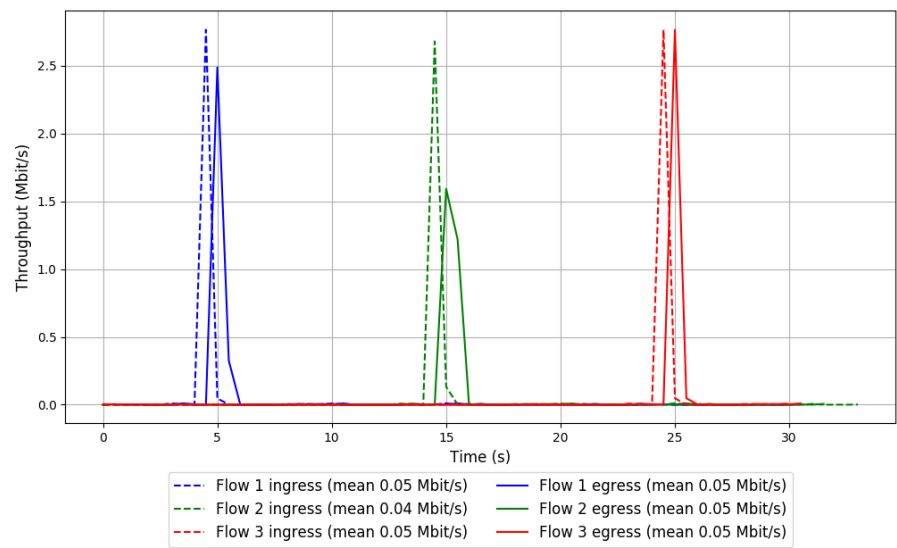
-- Flow 3:

Average throughput: 0.05 Mbit/s

95th percentile per-packet one-way delay: 34.560 ms

Loss rate: 0.00%

Run 2: Report of WebRTC media — Data Link



Run 3: Statistics of WebRTC media

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

End at: 2019-08-27 01:13:48

Local clock offset: -0.963 ms

Remote clock offset: 6.043 ms

Below is generated by plot.py at 2019-08-27 03:32:39

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.14 Mbit/s

95th percentile per-packet one-way delay: 34.543 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 0.05 Mbit/s

95th percentile per-packet one-way delay: 34.541 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 0.05 Mbit/s

95th percentile per-packet one-way delay: 34.497 ms

Loss rate: 0.00%

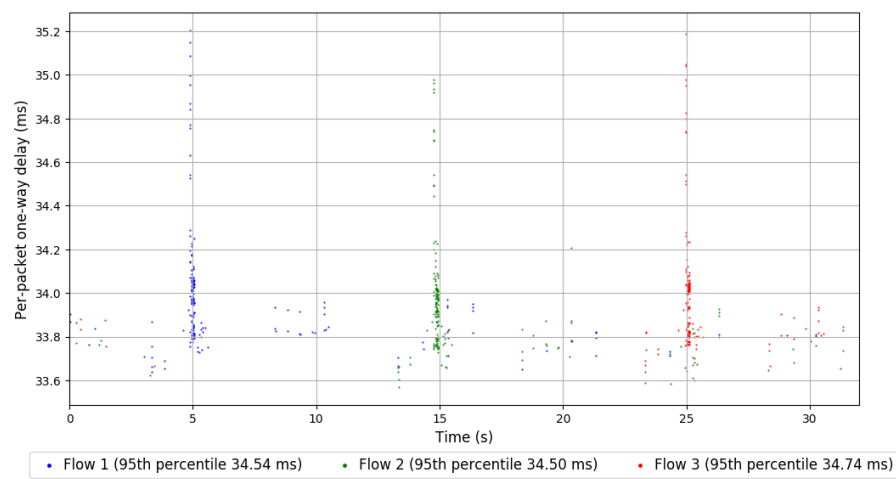
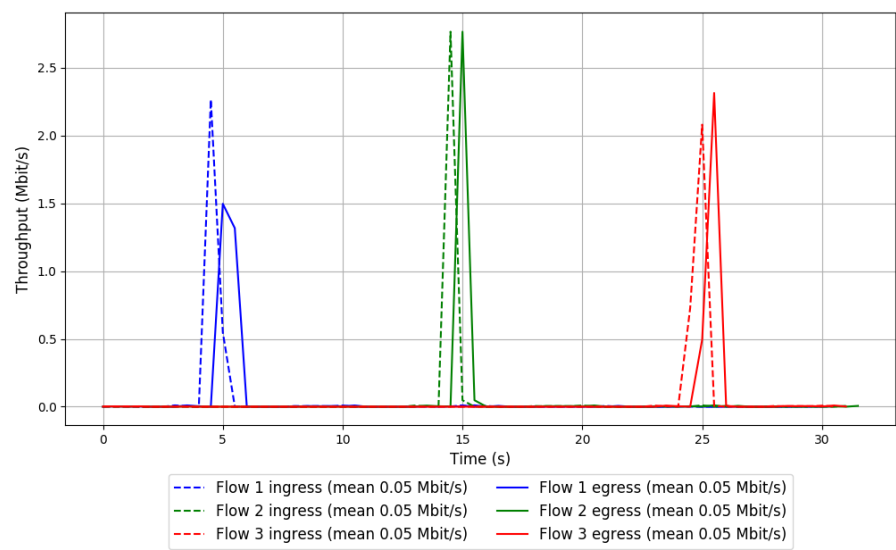
-- Flow 3:

Average throughput: 0.05 Mbit/s

95th percentile per-packet one-way delay: 34.737 ms

Loss rate: 0.00%

Run 3: Report of WebRTC media — Data Link



Run 4: Statistics of WebRTC media

Start at: 2019-08-27 02:02:25

End at: 2019-08-27 02:02:55

Local clock offset: -0.905 ms

Remote clock offset: 3.156 ms

Below is generated by plot.py at 2019-08-27 03:32:39

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.14 Mbit/s

95th percentile per-packet one-way delay: 34.720 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 0.05 Mbit/s

95th percentile per-packet one-way delay: 34.640 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 0.05 Mbit/s

95th percentile per-packet one-way delay: 34.677 ms

Loss rate: 0.00%

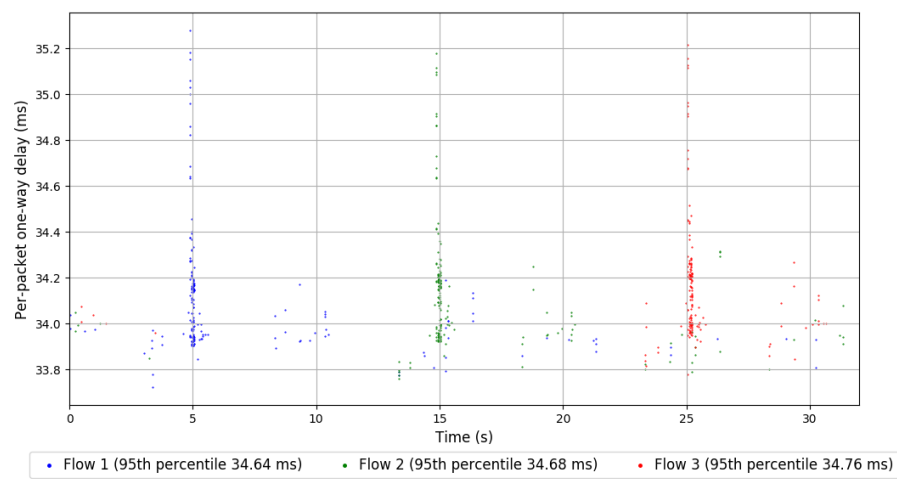
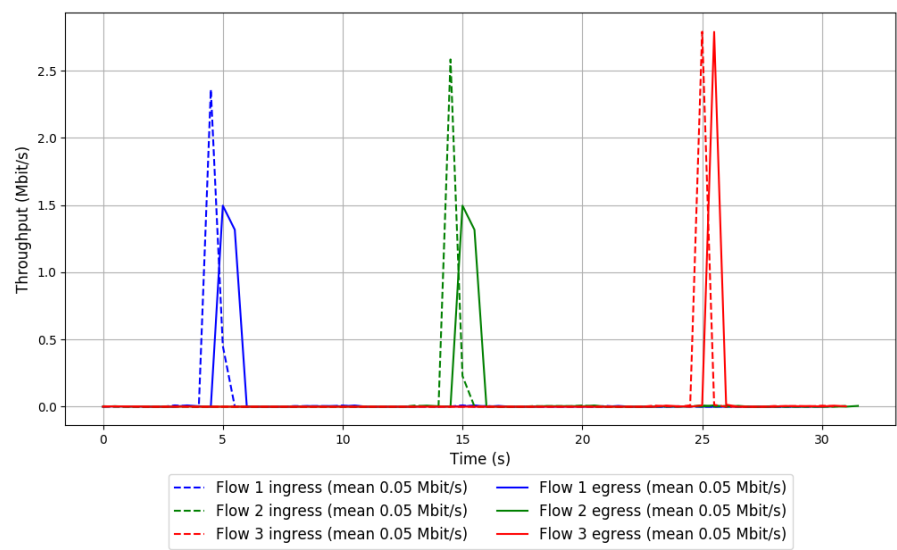
-- Flow 3:

Average throughput: 0.05 Mbit/s

95th percentile per-packet one-way delay: 34.757 ms

Loss rate: 0.00%

Run 4: Report of WebRTC media — Data Link



Run 5: Statistics of WebRTC media

Start at: 2019-08-27 02:50:48

End at: 2019-08-27 02:51:18

Local clock offset: -1.257 ms

Remote clock offset: 4.288 ms

Below is generated by plot.py at 2019-08-27 03:32:39

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.14 Mbit/s

95th percentile per-packet one-way delay: 34.623 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 0.05 Mbit/s

95th percentile per-packet one-way delay: 34.588 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 0.05 Mbit/s

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

Loss rate: 0.00%

-- Flow 3:

Average throughput: 0.05 Mbit/s

95th percentile per-packet one-way delay: 34.733 ms

Loss rate: 0.00%

Run 5: Report of WebRTC media — Data Link

