

Pantheon Report

Generated at 2019-10-02 22:36:47 (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 1 flow.

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

System info:

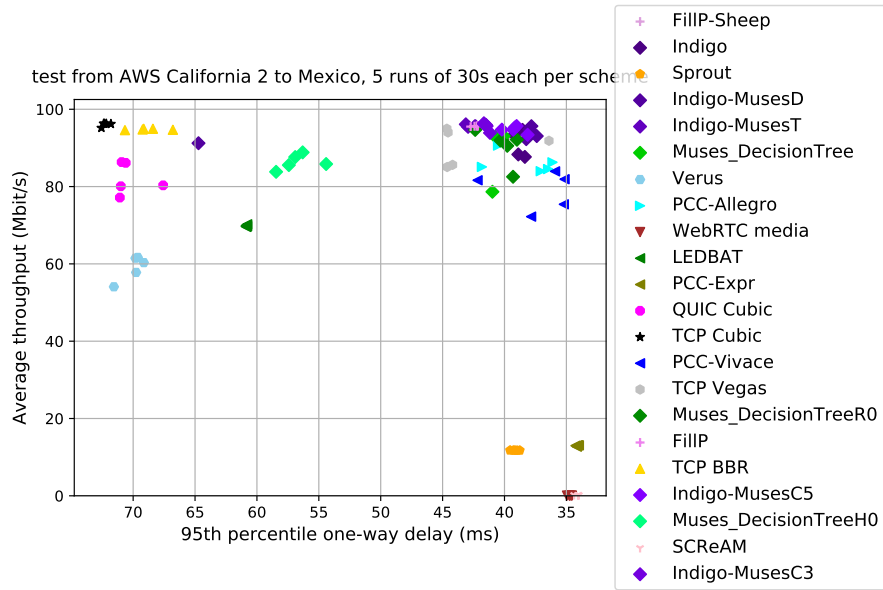
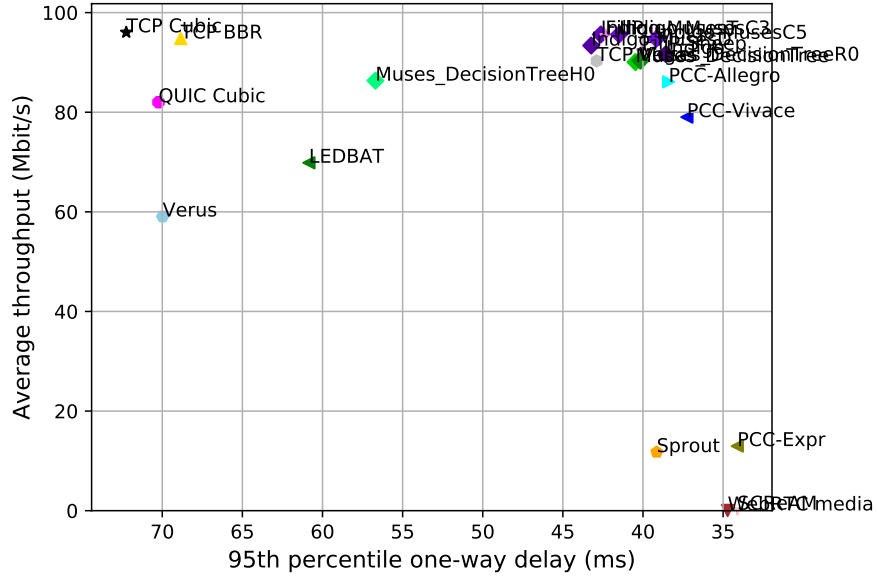
```
Linux 4.15.0-1050-aws
net.core.default_qdisc = fq
net.core.rmem_default = 16777216
net.core.rmem_max = 536870912
net.core.wmem_default = 16777216
net.core.wmem_max = 536870912
net.ipv4.tcp_rmem = 4096 16777216 536870912
net.ipv4.tcp_wmem = 4096 16777216 536870912
```

Git summary:

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

third_party/vivace @ 2baf86211435ae071a32f96b7d8c504587f5d7f4
third_party/webrtc @ 3f0cc2a9061a41b6f9dde4735770d143a1fa2851

test from AWS California 2 to Mexico, 5 runs of 30s each per scheme
(mean of all runs by scheme)



scheme	# runs	mean avg tput (Mbit/s)	mean 95th-%ile delay (ms)	mean loss rate (%)
		flow 1	flow 1	flow 1
TCP BBR	5	94.79	68.85	4.90
Copa	0	N/A	N/A	N/A
TCP Cubic	5	96.04	72.25	0.58
FillP	5	95.62	42.35	0.65
FillP-Sheep	5	92.54	40.07	0.60
Indigo	5	91.67	38.57	0.02
Indigo-MusesC3	5	95.62	41.49	0.00
Indigo-MusesC5	5	94.75	39.16	0.00
Indigo-MusesD	5	93.39	43.23	0.21
Indigo-MusesT	5	95.61	42.63	1.04
LEDBAT	5	69.86	60.85	0.00
Muses_DecisionTree	5	90.07	40.47	0.07
Muses_DecisionTreeH0	5	86.34	56.70	2.32
Muses_DecisionTreeR0	5	90.35	40.16	0.05
PCC-Allegro	5	86.09	38.40	0.81
PCC-Expr	5	12.97	34.12	41.06
QUIC Cubic	5	82.01	70.24	1.48
SCReAM	5	0.21	34.10	0.00
Sprout	5	11.76	39.14	0.00
TaoVA-100x	0	N/A	N/A	N/A
TCP Vegas	5	90.30	42.89	0.36
Verus	5	59.07	69.98	31.06
PCC-Vivace	5	79.02	37.26	0.04
WebRTC media	5	0.05	34.72	0.00

Run 1: Statistics of TCP BBR

Start at: 2019-10-02 17:27:47

End at: 2019-10-02 17:28:17

Local clock offset: 0.901 ms

Remote clock offset: 7.614 ms

Below is generated by plot.py at 2019-10-02 22:25:15

Datalink statistics

-- Total of 1 flow:

Average throughput: 94.60 Mbit/s

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

Loss rate: 6.72%

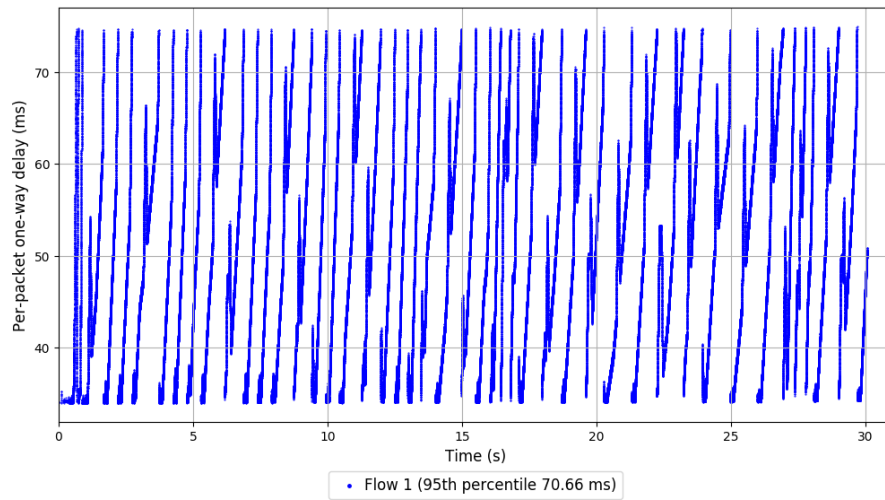
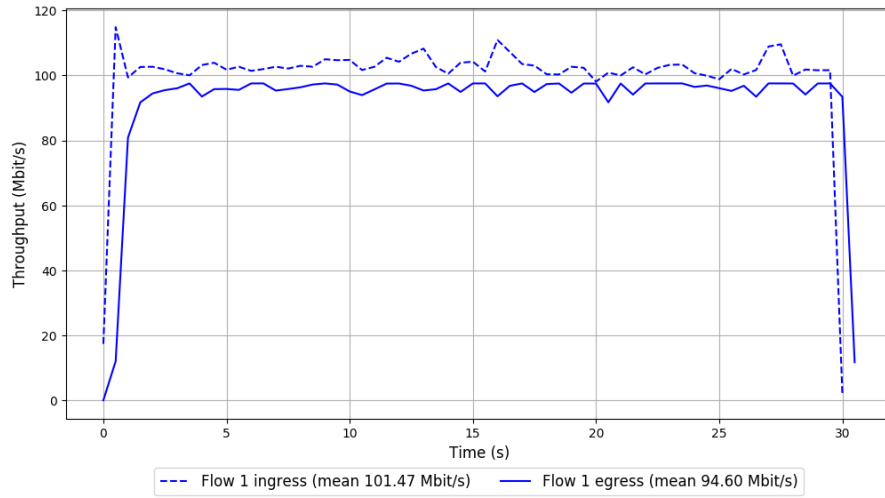
-- Flow 1:

Average throughput: 94.60 Mbit/s

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

Loss rate: 6.72%

Run 1: Report of TCP BBR — Data Link



Run 2: Statistics of TCP BBR

Start at: 2019-10-02 18:26:14

End at: 2019-10-02 18:26:44

Local clock offset: 11.754 ms

Remote clock offset: 7.698 ms

Below is generated by plot.py at 2019-10-02 22:25:15

Datalink statistics

-- Total of 1 flow:

Average throughput: 94.69 Mbit/s

95th percentile per-packet one-way delay: 66.791 ms

Loss rate: 4.08%

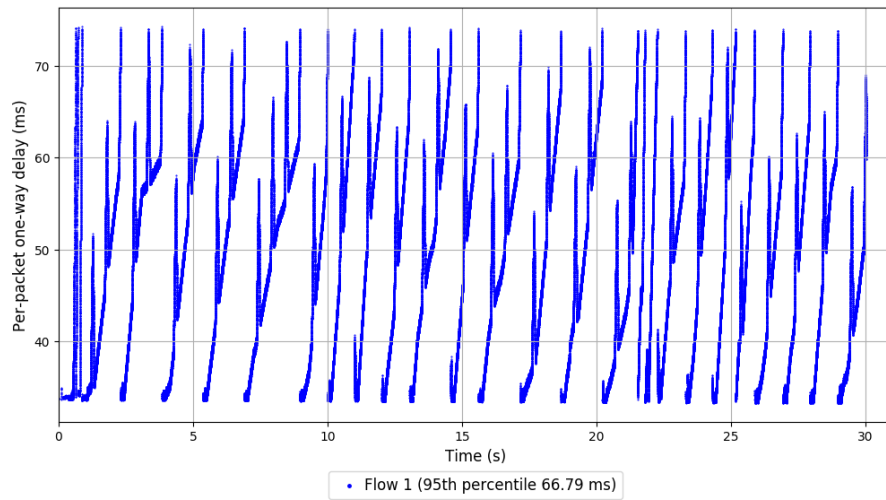
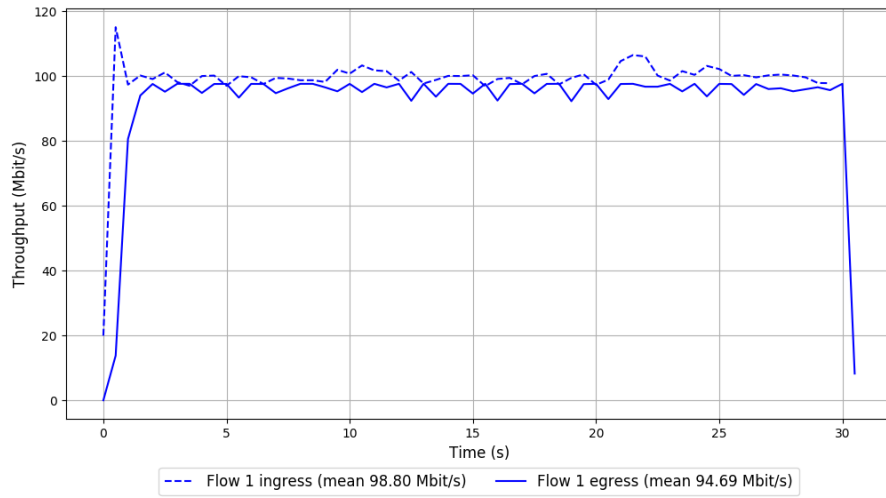
-- Flow 1:

Average throughput: 94.69 Mbit/s

95th percentile per-packet one-way delay: 66.791 ms

Loss rate: 4.08%

Run 2: Report of TCP BBR — Data Link



Run 3: Statistics of TCP BBR

Start at: 2019-10-02 19:31:19

End at: 2019-10-02 19:31:49

Local clock offset: 0.953 ms

Remote clock offset: 7.716 ms

Below is generated by plot.py at 2019-10-02 22:25:16

Datalink statistics

-- Total of 1 flow:

Average throughput: 94.94 Mbit/s

95th percentile per-packet one-way delay: 69.150 ms

Loss rate: 4.49%

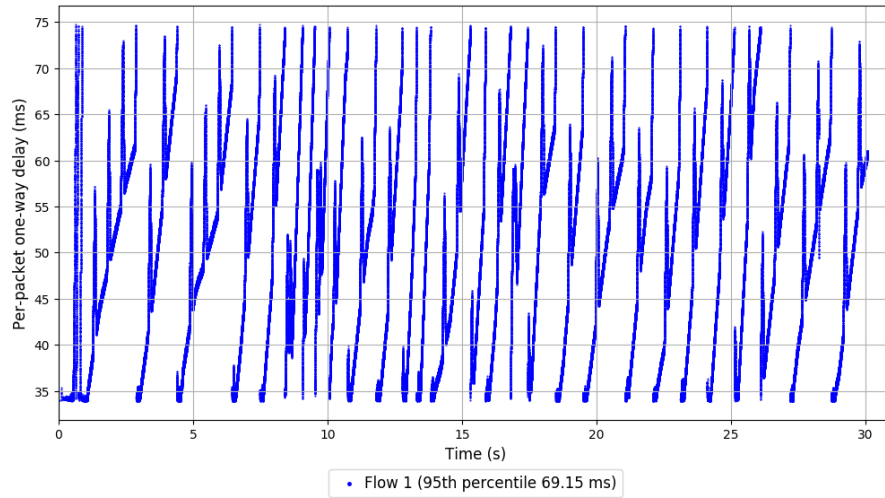
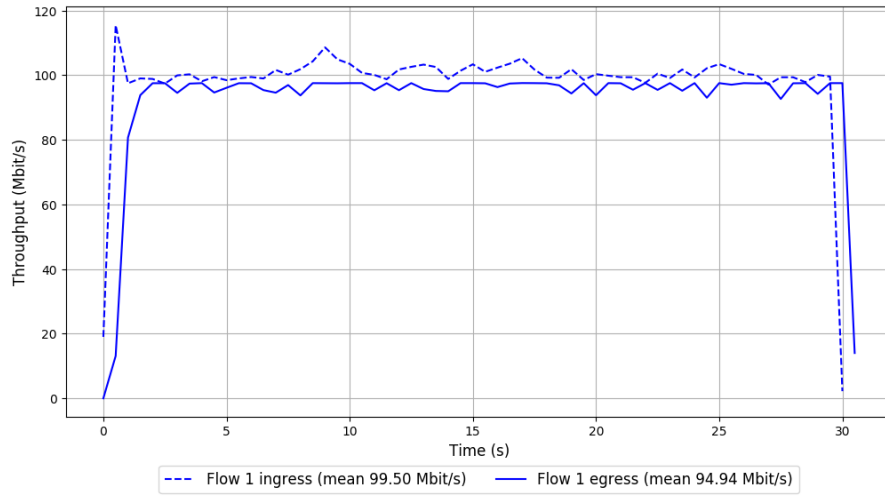
-- Flow 1:

Average throughput: 94.94 Mbit/s

95th percentile per-packet one-way delay: 69.150 ms

Loss rate: 4.49%

Run 3: Report of TCP BBR — Data Link



Run 4: Statistics of TCP BBR

Start at: 2019-10-02 20:28:49

End at: 2019-10-02 20:29:19

Local clock offset: -0.085 ms

Remote clock offset: 7.795 ms

Below is generated by plot.py at 2019-10-02 22:25:16

Datalink statistics

-- Total of 1 flow:

Average throughput: 94.95 Mbit/s

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

Loss rate: 3.96%

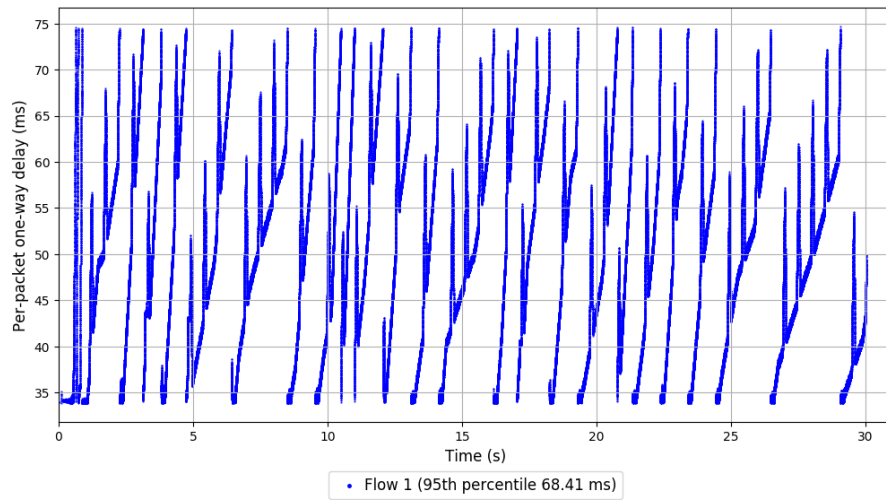
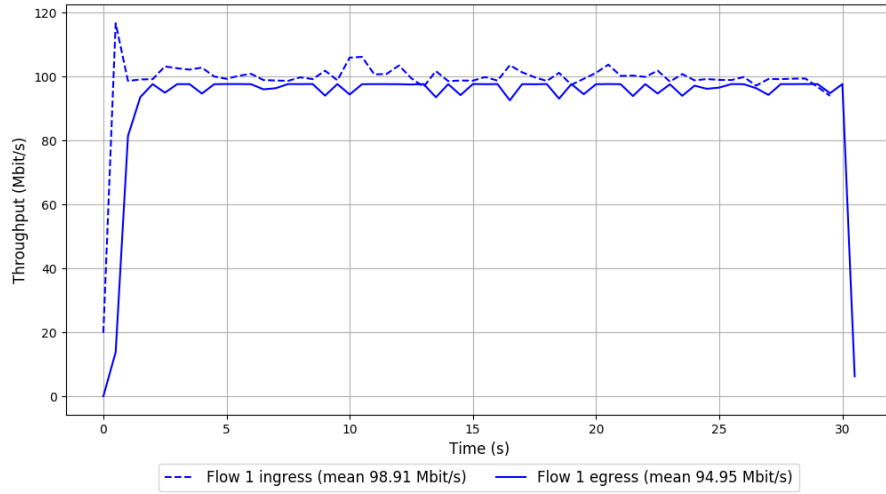
-- Flow 1:

Average throughput: 94.95 Mbit/s

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

Loss rate: 3.96%

Run 4: Report of TCP BBR — Data Link



Run 5: Statistics of TCP BBR

Start at: 2019-10-02 21:26:14

End at: 2019-10-02 21:26:44

Local clock offset: -0.234 ms

Remote clock offset: 7.459 ms

Below is generated by plot.py at 2019-10-02 22:25:16

Datalink statistics

-- Total of 1 flow:

Average throughput: 94.77 Mbit/s

95th percentile per-packet one-way delay: 69.234 ms

Loss rate: 5.25%

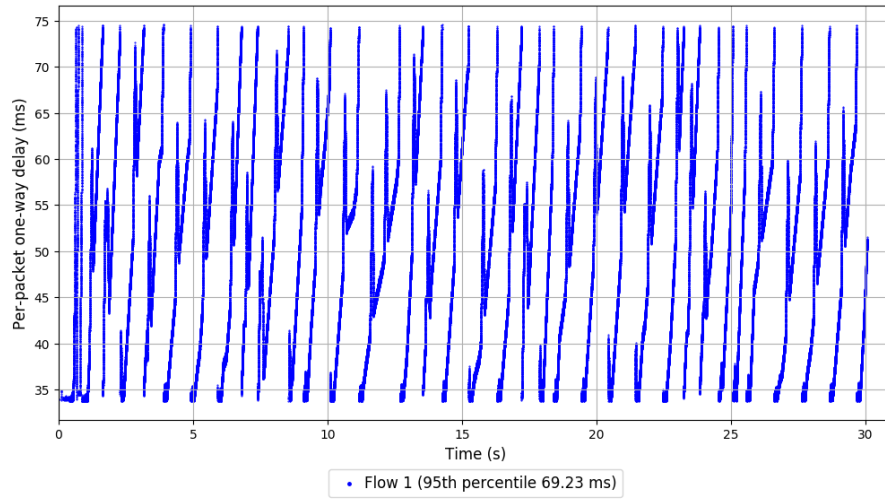
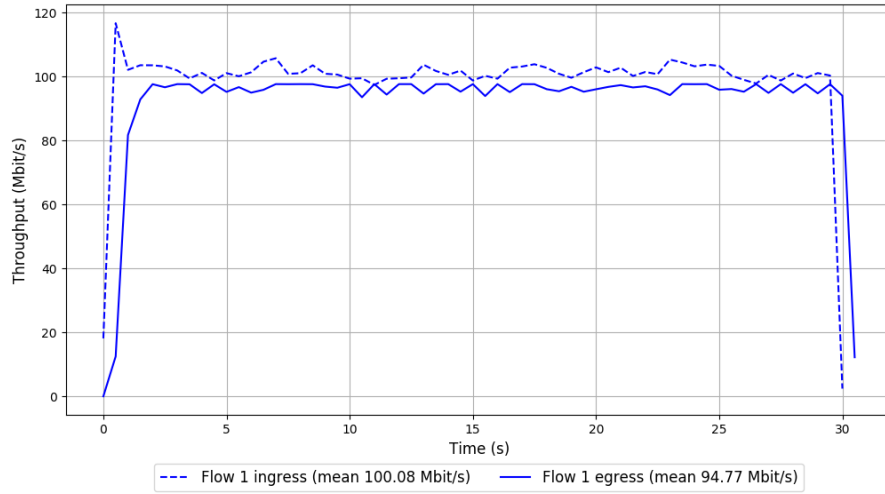
-- Flow 1:

Average throughput: 94.77 Mbit/s

95th percentile per-packet one-way delay: 69.234 ms

Loss rate: 5.25%

Run 5: Report of TCP BBR — Data Link



Run 1: Statistics of Copa

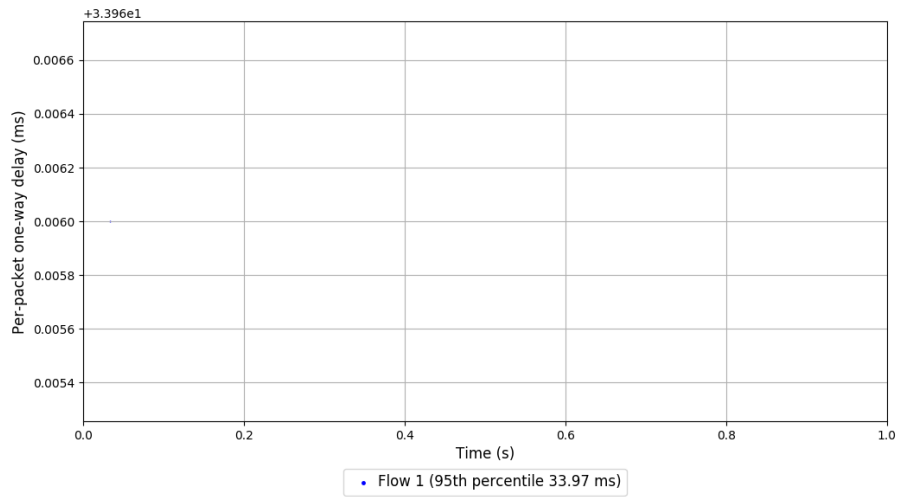
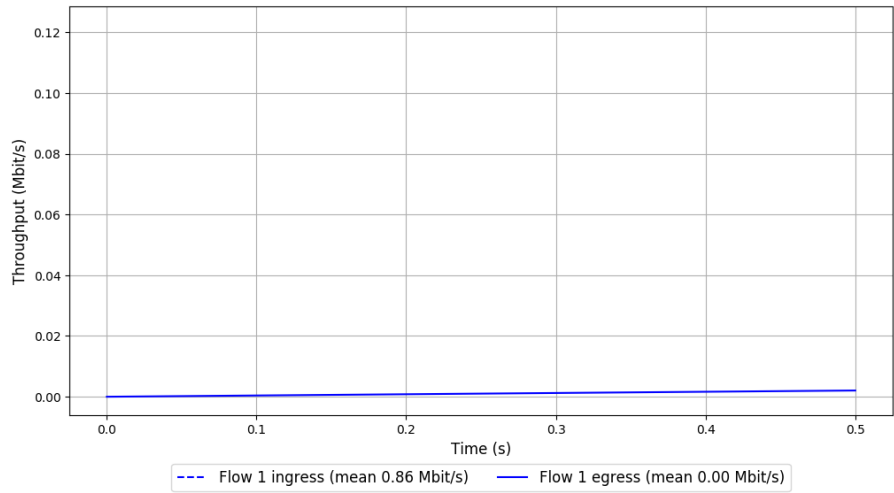
Start at: 2019-10-02 17:44:05

End at: 2019-10-02 17:44:35

Local clock offset: 8.409 ms

Remote clock offset: 7.844 ms

Run 1: Report of Copa — Data Link



Run 2: Statistics of Copa

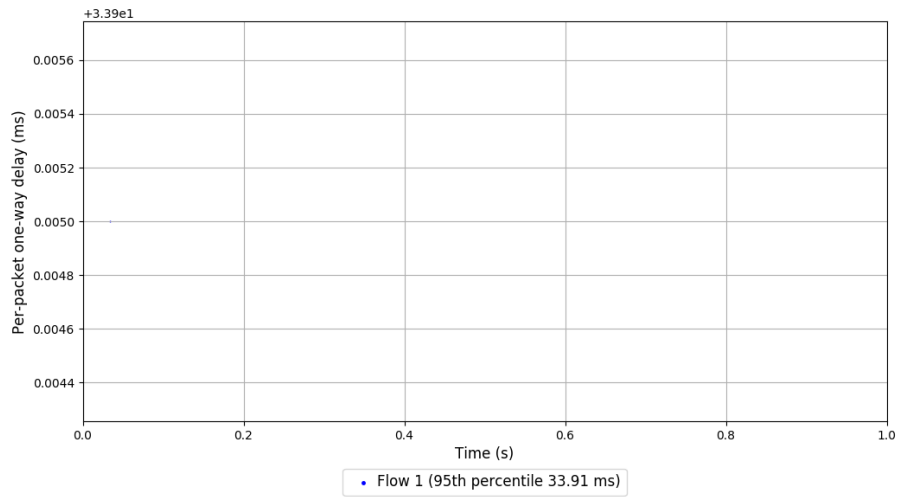
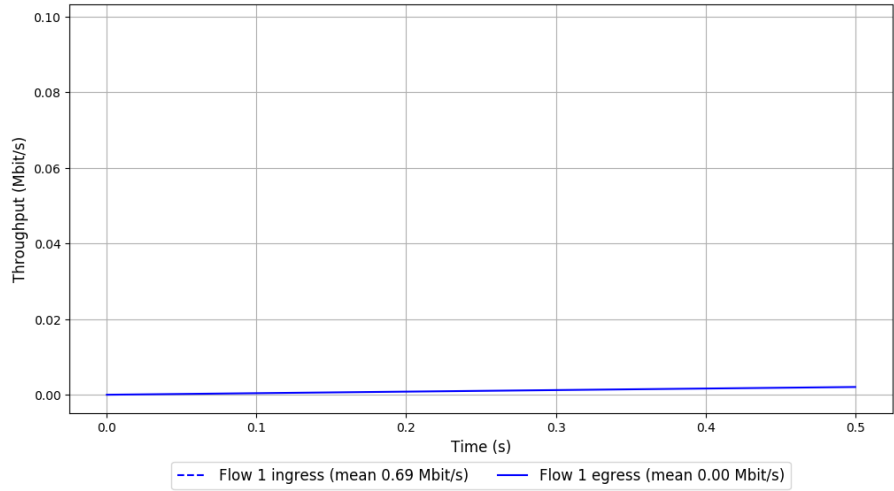
Start at: 2019-10-02 18:42:21

End at: 2019-10-02 18:42:51

Local clock offset: 7.495 ms

Remote clock offset: 7.61 ms

Run 2: Report of Copa — Data Link



Run 3: Statistics of Copa

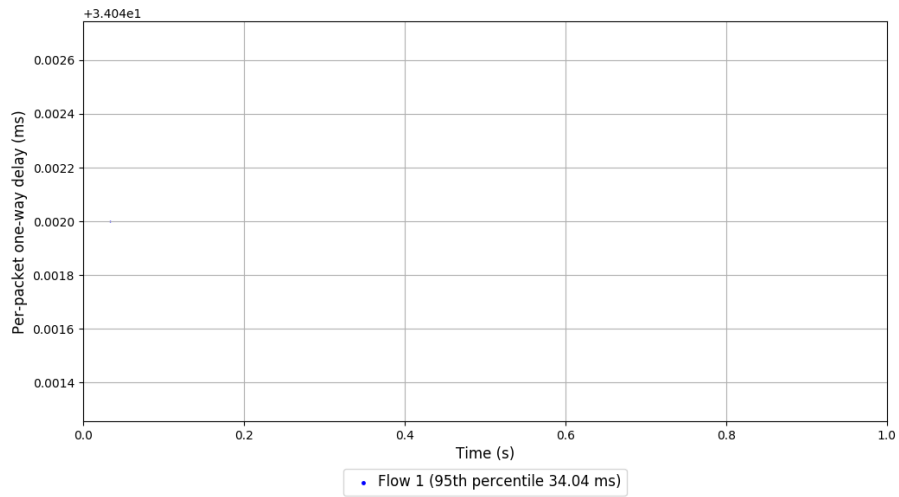
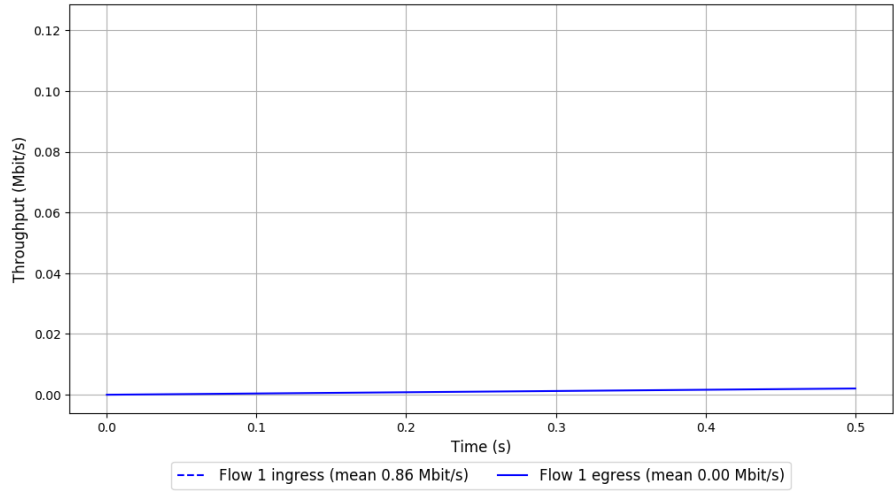
Start at: 2019-10-02 19:45:32

End at: 2019-10-02 19:46:02

Local clock offset: 0.666 ms

Remote clock offset: 7.728 ms

Run 3: Report of Copa — Data Link



Run 4: Statistics of Copa

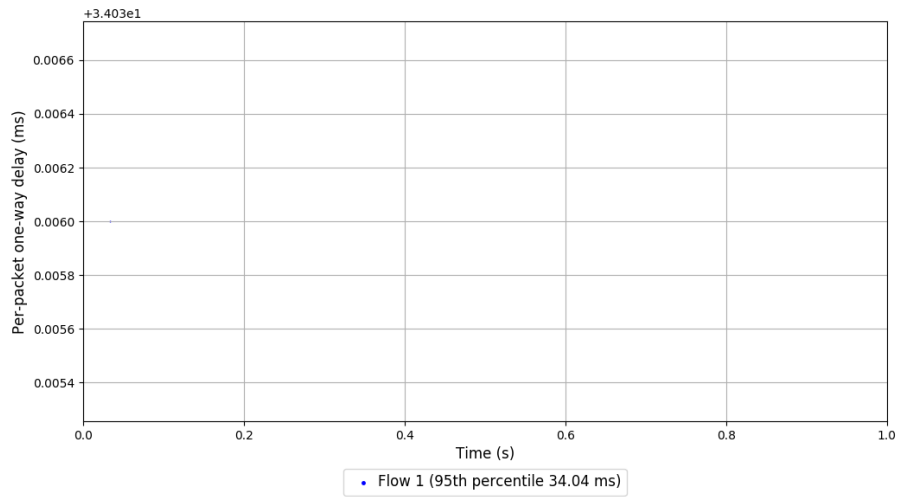
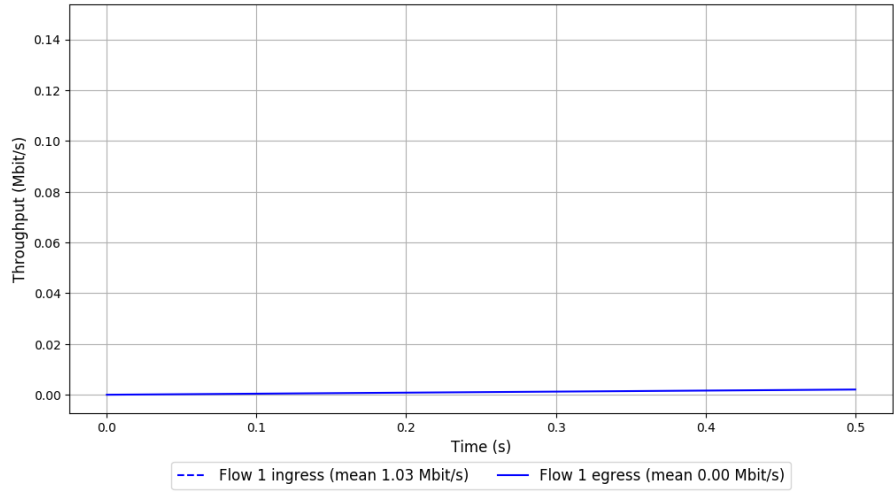
Start at: 2019-10-02 20:44:37

End at: 2019-10-02 20:45:07

Local clock offset: -0.311 ms

Remote clock offset: 7.766 ms

Run 4: Report of Copa — Data Link



Run 5: Statistics of Copa

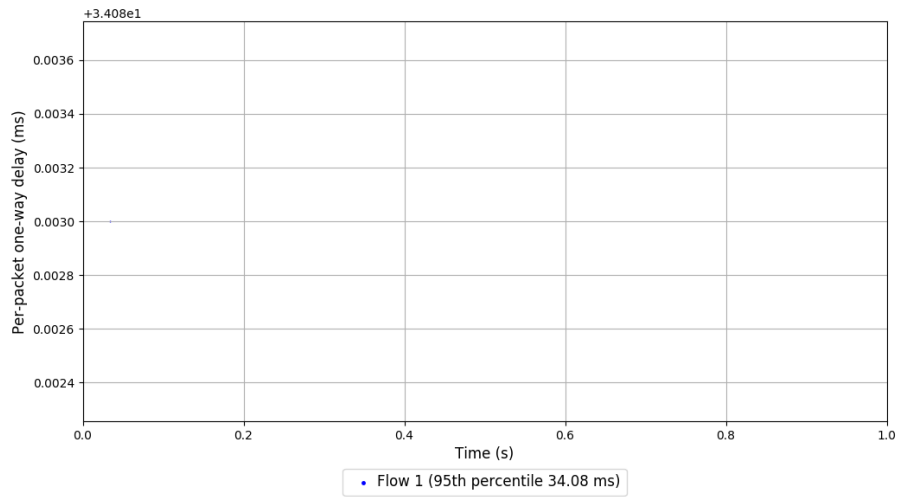
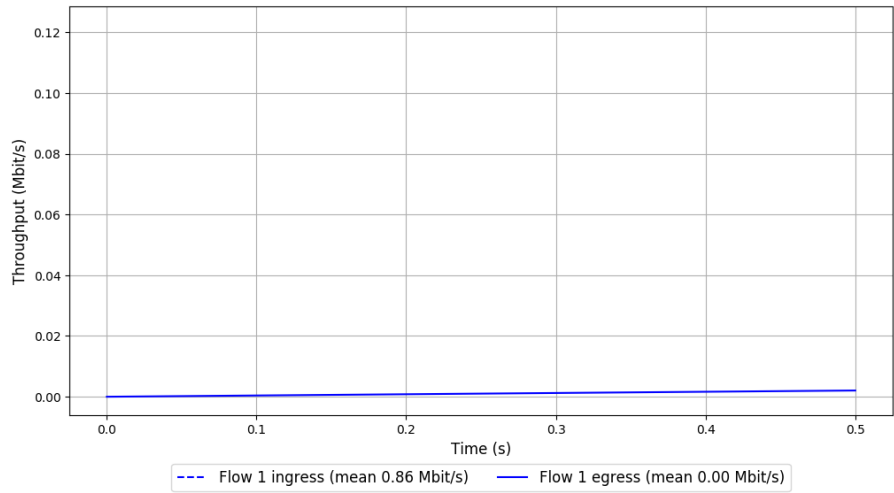
Start at: 2019-10-02 21:40:55

End at: 2019-10-02 21:41:25

Local clock offset: -0.241 ms

Remote clock offset: 7.393 ms

Run 5: Report of Copa — Data Link



Run 1: Statistics of TCP Cubic

Start at: 2019-10-02 17:38:59

End at: 2019-10-02 17:39:29

Local clock offset: 9.488 ms

Remote clock offset: 7.655 ms

Below is generated by plot.py at 2019-10-02 22:25:16

Datalink statistics

-- Total of 1 flow:

Average throughput: 95.19 Mbit/s

95th percentile per-packet one-way delay: 72.564 ms

Loss rate: 0.54%

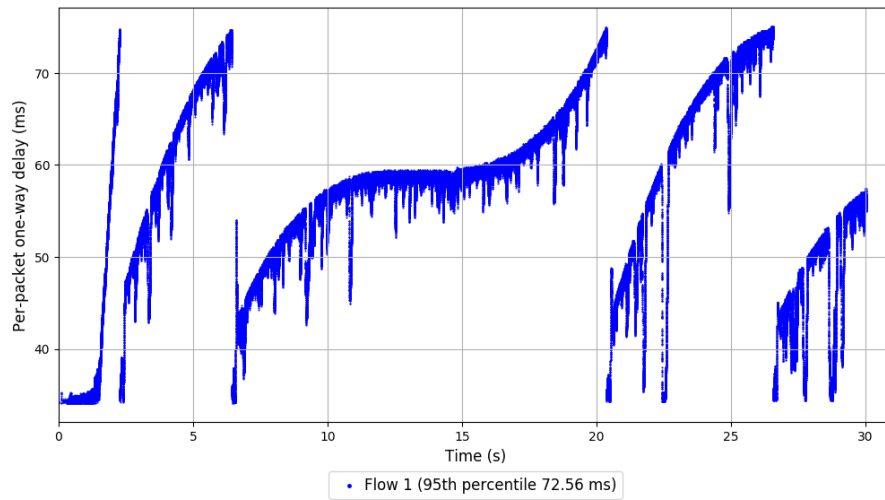
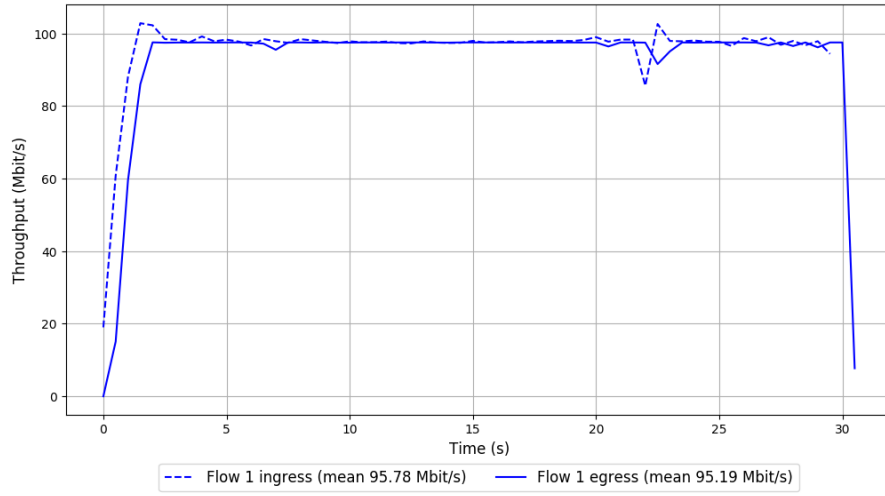
-- Flow 1:

Average throughput: 95.19 Mbit/s

95th percentile per-packet one-way delay: 72.564 ms

Loss rate: 0.54%

Run 1: Report of TCP Cubic — Data Link



Run 2: Statistics of TCP Cubic

Start at: 2019-10-02 18:35:37

End at: 2019-10-02 18:36:07

Local clock offset: 7.824 ms

Remote clock offset: 7.591 ms

Below is generated by plot.py at 2019-10-02 22:25:17

Datalink statistics

-- Total of 1 flow:

Average throughput: 96.28 Mbit/s

95th percentile per-packet one-way delay: 72.170 ms

Loss rate: 0.69%

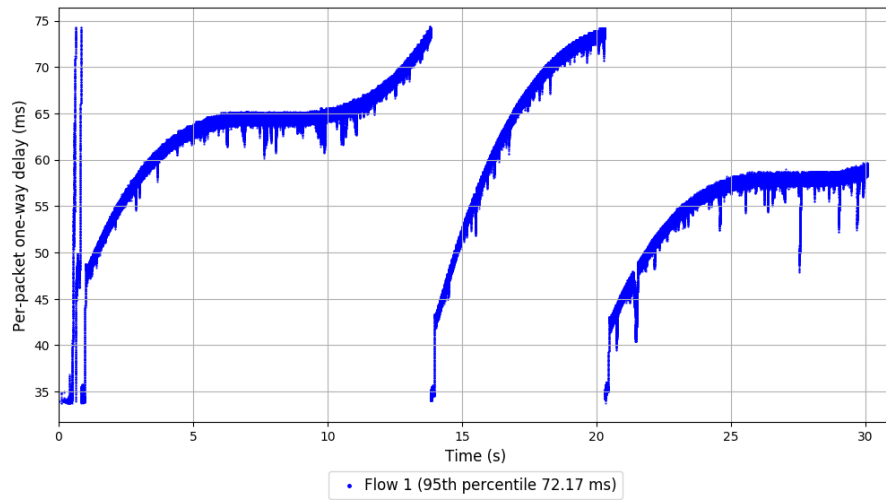
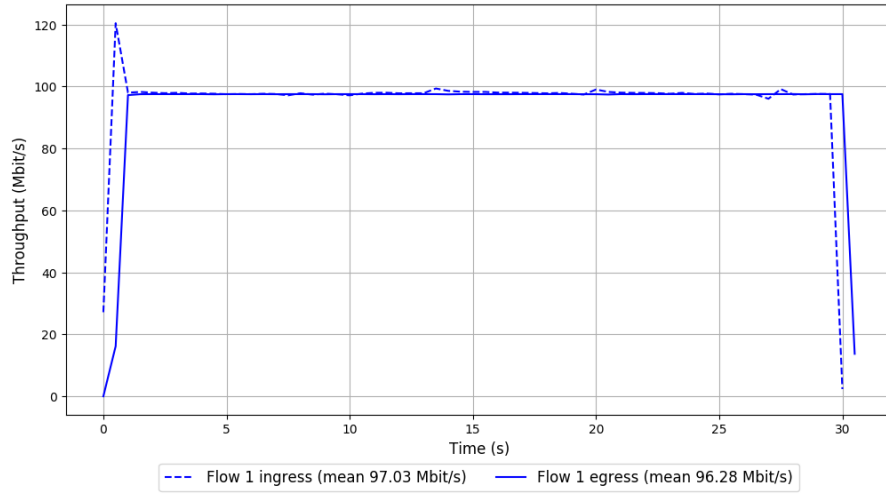
-- Flow 1:

Average throughput: 96.28 Mbit/s

95th percentile per-packet one-way delay: 72.170 ms

Loss rate: 0.69%

Run 2: Report of TCP Cubic — Data Link



Run 3: Statistics of TCP Cubic

Start at: 2019-10-02 19:40:00

End at: 2019-10-02 19:40:30

Local clock offset: 0.661 ms

Remote clock offset: 7.732 ms

Below is generated by plot.py at 2019-10-02 22:25:17

Datalink statistics

-- Total of 1 flow:

Average throughput: 96.21 Mbit/s

95th percentile per-packet one-way delay: 71.799 ms

Loss rate: 0.59%

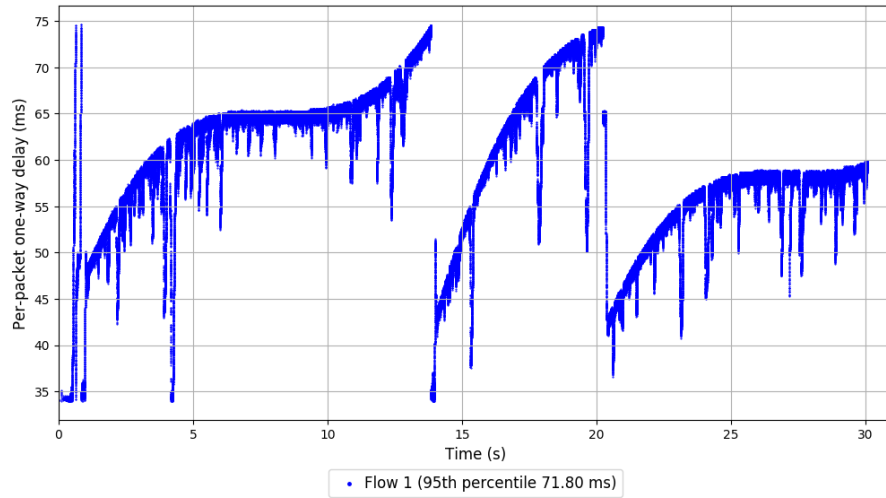
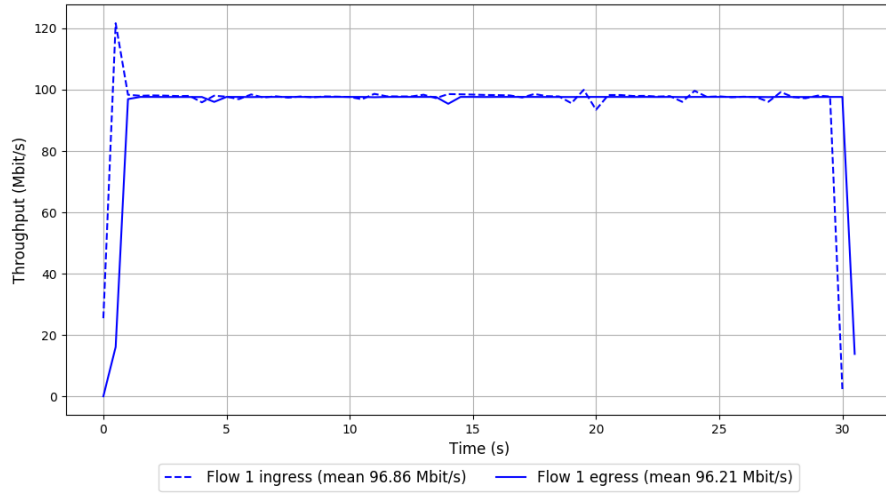
-- Flow 1:

Average throughput: 96.21 Mbit/s

95th percentile per-packet one-way delay: 71.799 ms

Loss rate: 0.59%

Run 3: Report of TCP Cubic — Data Link



Run 4: Statistics of TCP Cubic

Start at: 2019-10-02 20:38:41

End at: 2019-10-02 20:39:11

Local clock offset: -0.248 ms

Remote clock offset: 7.746 ms

Below is generated by plot.py at 2019-10-02 22:26:25

Datalink statistics

-- Total of 1 flow:

Average throughput: 96.27 Mbit/s

95th percentile per-packet one-way delay: 72.382 ms

Loss rate: 0.55%

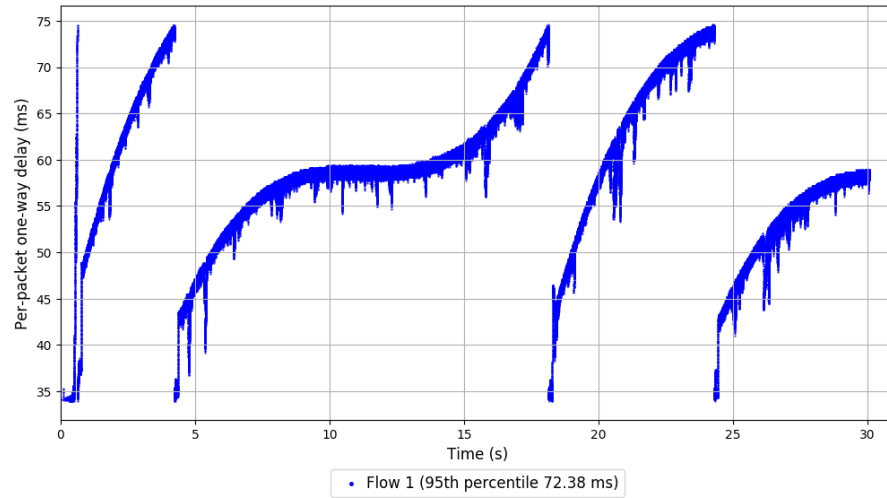
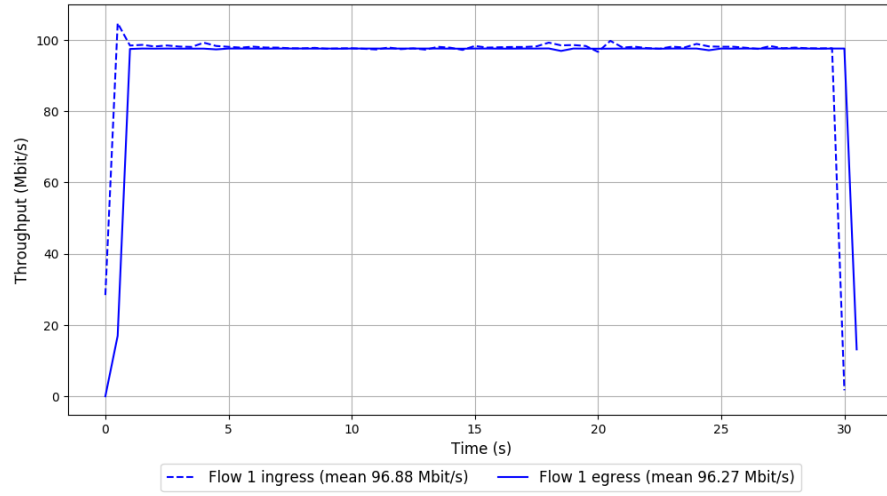
-- Flow 1:

Average throughput: 96.27 Mbit/s

95th percentile per-packet one-way delay: 72.382 ms

Loss rate: 0.55%

Run 4: Report of TCP Cubic — Data Link



Run 5: Statistics of TCP Cubic

Start at: 2019-10-02 21:35:48

End at: 2019-10-02 21:36:18

Local clock offset: -0.251 ms

Remote clock offset: 7.455 ms

Below is generated by plot.py at 2019-10-02 22:26:25

Datalink statistics

-- Total of 1 flow:

Average throughput: 96.27 Mbit/s

95th percentile per-packet one-way delay: 72.326 ms

Loss rate: 0.55%

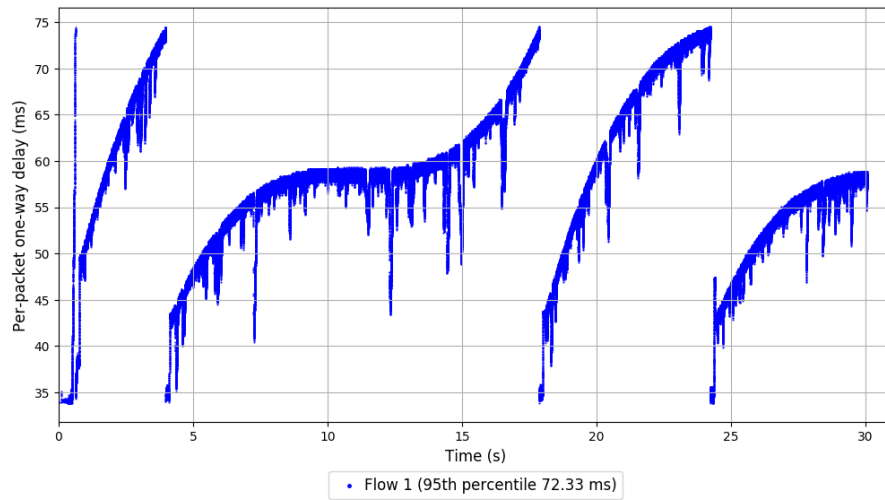
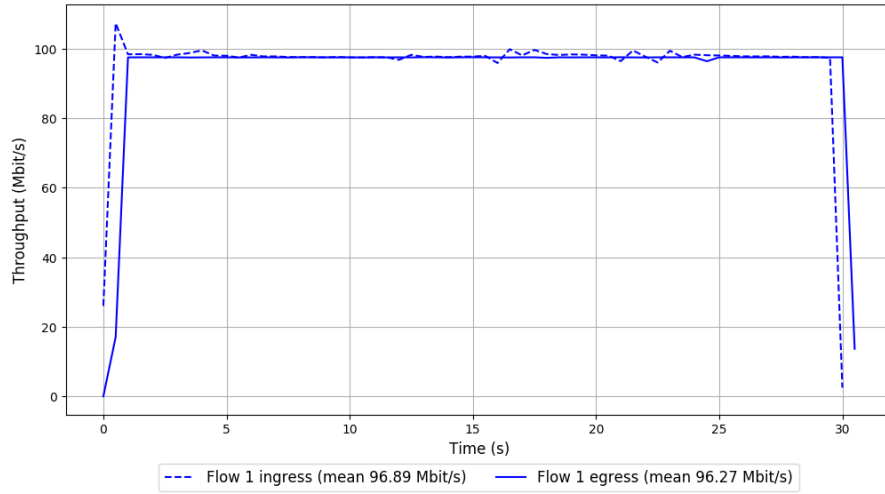
-- Flow 1:

Average throughput: 96.27 Mbit/s

95th percentile per-packet one-way delay: 72.326 ms

Loss rate: 0.55%

Run 5: Report of TCP Cubic — Data Link



Run 1: Statistics of FillP

Start at: 2019-10-02 18:19:48

End at: 2019-10-02 18:20:18

Local clock offset: 11.463 ms

Remote clock offset: 7.62 ms

Below is generated by plot.py at 2019-10-02 22:26:37

Datalink statistics

-- Total of 1 flow:

Average throughput: 95.61 Mbit/s

95th percentile per-packet one-way delay: 42.421 ms

Loss rate: 0.69%

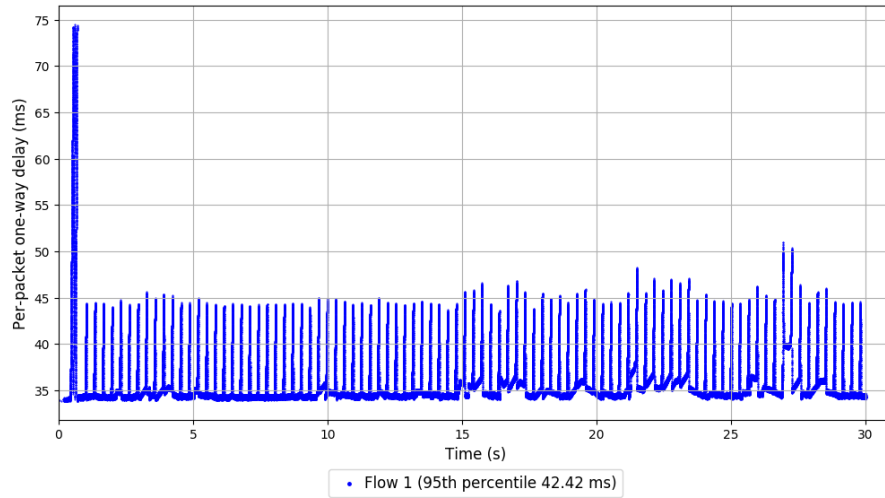
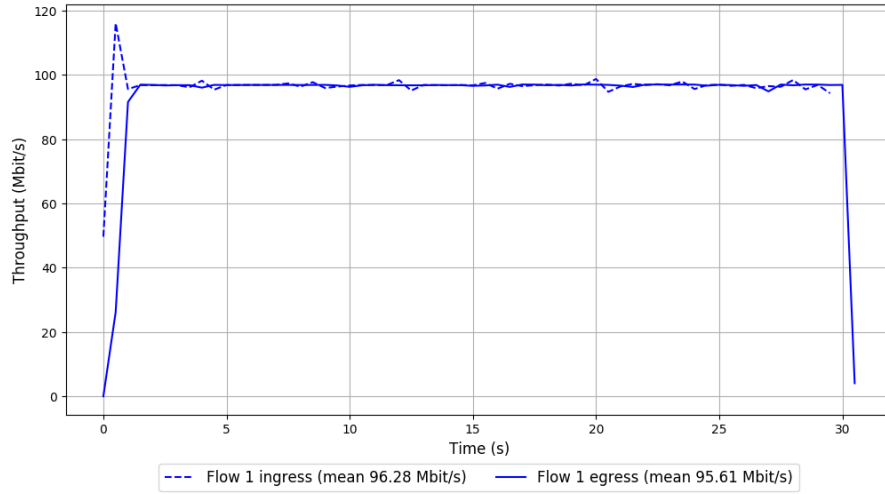
-- Flow 1:

Average throughput: 95.61 Mbit/s

95th percentile per-packet one-way delay: 42.421 ms

Loss rate: 0.69%

Run 1: Report of FillP — Data Link



Run 2: Statistics of FillP

Start at: 2019-10-02 19:19:50

End at: 2019-10-02 19:20:20

Local clock offset: 1.67 ms

Remote clock offset: 7.622 ms

Below is generated by plot.py at 2019-10-02 22:26:37

Datalink statistics

-- Total of 1 flow:

Average throughput: 95.52 Mbit/s

95th percentile per-packet one-way delay: 42.731 ms

Loss rate: 0.64%

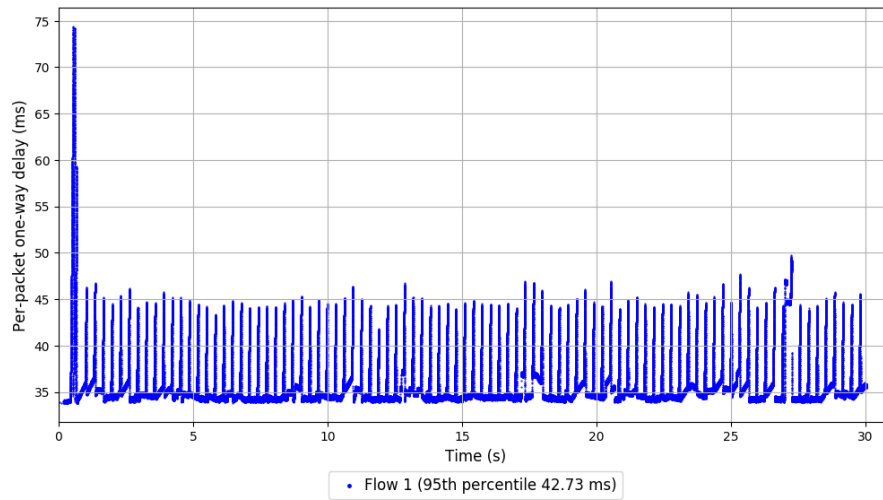
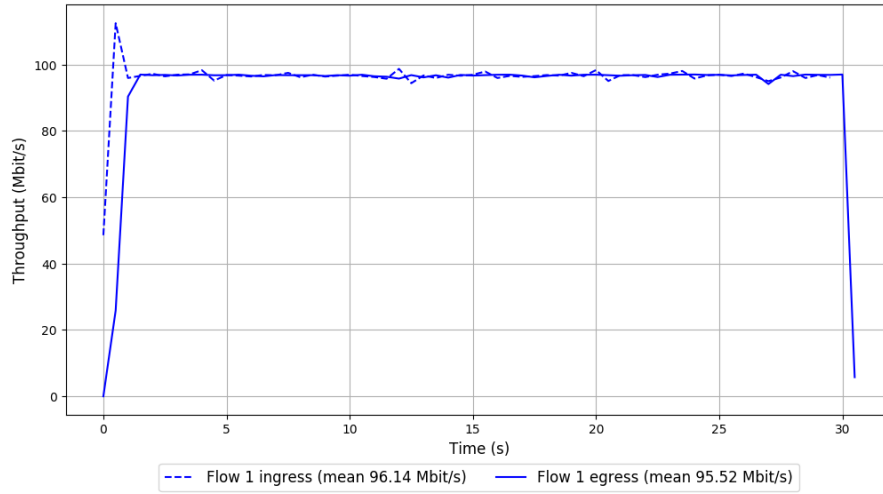
-- Flow 1:

Average throughput: 95.52 Mbit/s

95th percentile per-packet one-way delay: 42.731 ms

Loss rate: 0.64%

Run 2: Report of FillP — Data Link



Run 3: Statistics of FillP

Start at: 2019-10-02 20:22:16

End at: 2019-10-02 20:22:46

Local clock offset: -0.016 ms

Remote clock offset: 7.773 ms

Below is generated by plot.py at 2019-10-02 22:26:37

Datalink statistics

-- Total of 1 flow:

Average throughput: 95.65 Mbit/s

95th percentile per-packet one-way delay: 42.193 ms

Loss rate: 0.64%

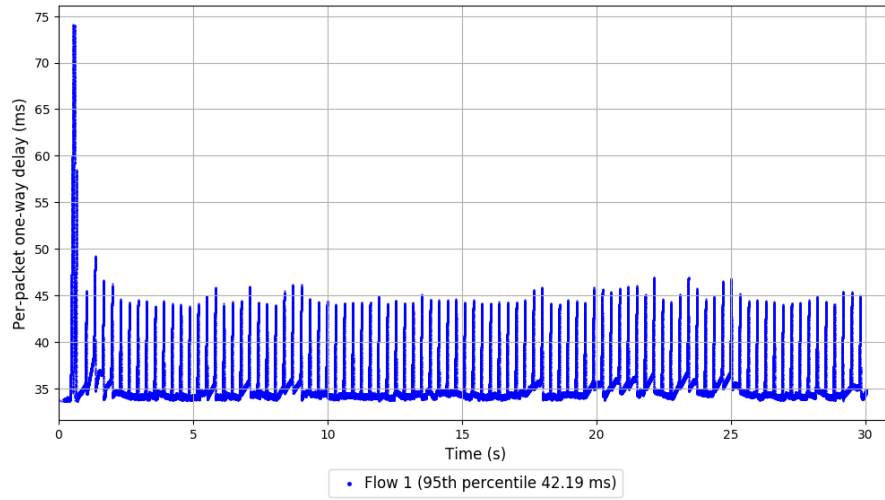
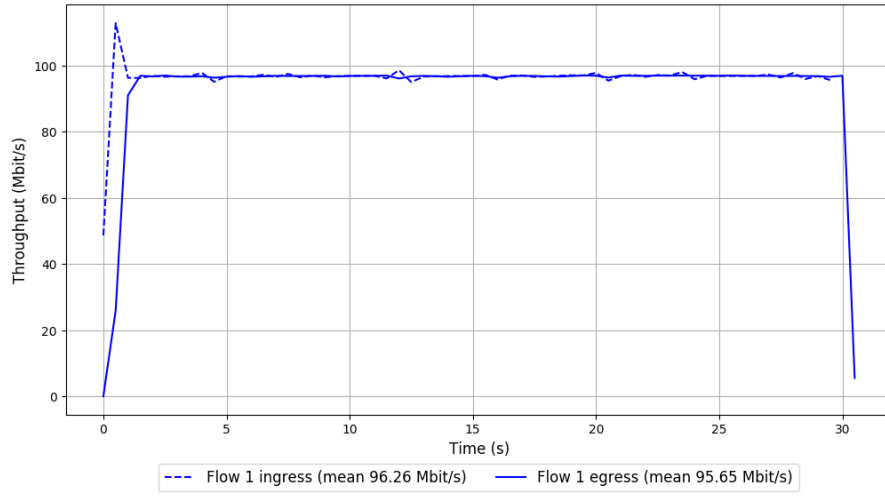
-- Flow 1:

Average throughput: 95.65 Mbit/s

95th percentile per-packet one-way delay: 42.193 ms

Loss rate: 0.64%

Run 3: Report of FillP — Data Link



Run 4: Statistics of FillP

Start at: 2019-10-02 21:21:06

End at: 2019-10-02 21:21:36

Local clock offset: -0.249 ms

Remote clock offset: 7.528 ms

Below is generated by plot.py at 2019-10-02 22:26:37

Datalink statistics

-- Total of 1 flow:

Average throughput: 95.65 Mbit/s

95th percentile per-packet one-way delay: 42.157 ms

Loss rate: 0.64%

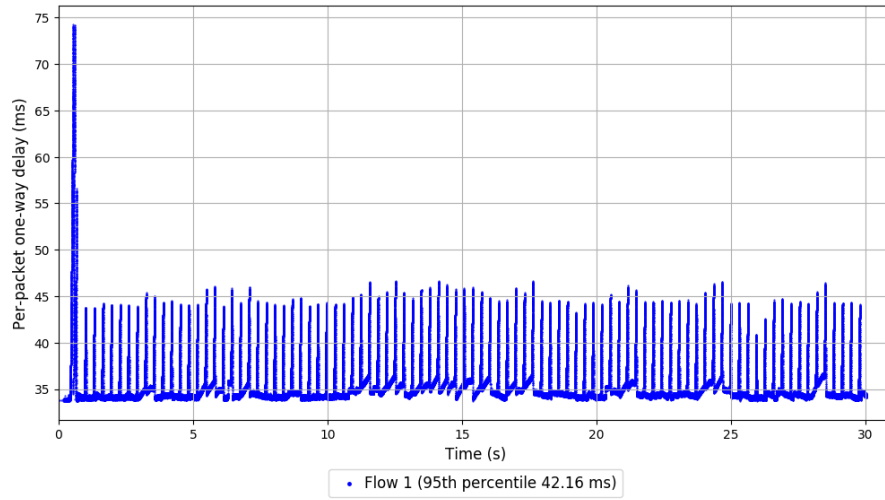
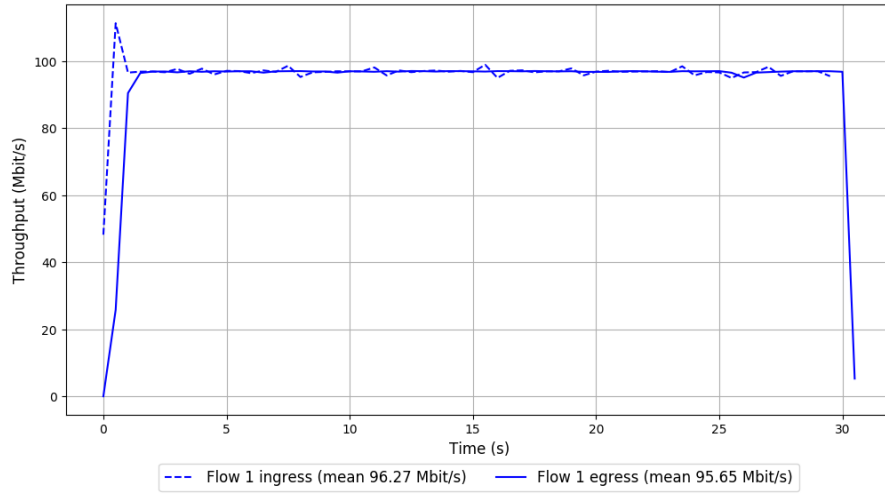
-- Flow 1:

Average throughput: 95.65 Mbit/s

95th percentile per-packet one-way delay: 42.157 ms

Loss rate: 0.64%

Run 4: Report of FillP — Data Link



Run 5: Statistics of FillP

Start at: 2019-10-02 22:16:09

End at: 2019-10-02 22:16:39

Local clock offset: 0.08 ms

Remote clock offset: 7.192 ms

Below is generated by plot.py at 2019-10-02 22:26:37

Datalink statistics

-- Total of 1 flow:

Average throughput: 95.67 Mbit/s

95th percentile per-packet one-way delay: 42.241 ms

Loss rate: 0.65%

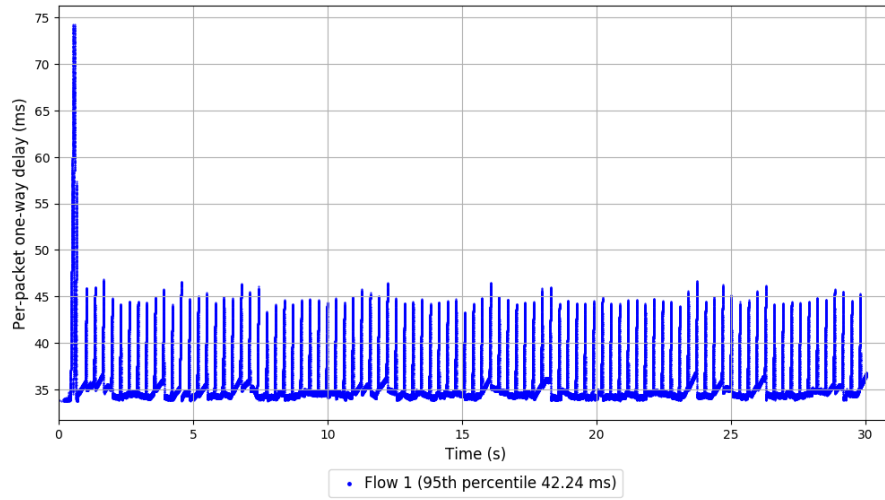
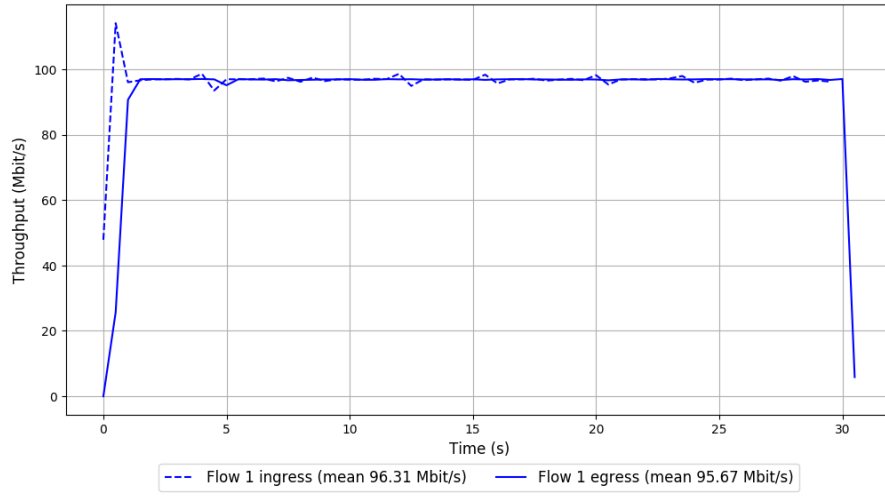
-- Flow 1:

Average throughput: 95.67 Mbit/s

95th percentile per-packet one-way delay: 42.241 ms

Loss rate: 0.65%

Run 5: Report of FillP — Data Link



Run 1: Statistics of FillP-Sheep

Start at: 2019-10-02 17:32:15

End at: 2019-10-02 17:32:45

Local clock offset: 5.278 ms

Remote clock offset: 7.635 ms

Below is generated by plot.py at 2019-10-02 22:26:37

Datalink statistics

-- Total of 1 flow:

Average throughput: 92.60 Mbit/s

95th percentile per-packet one-way delay: 40.398 ms

Loss rate: 0.60%

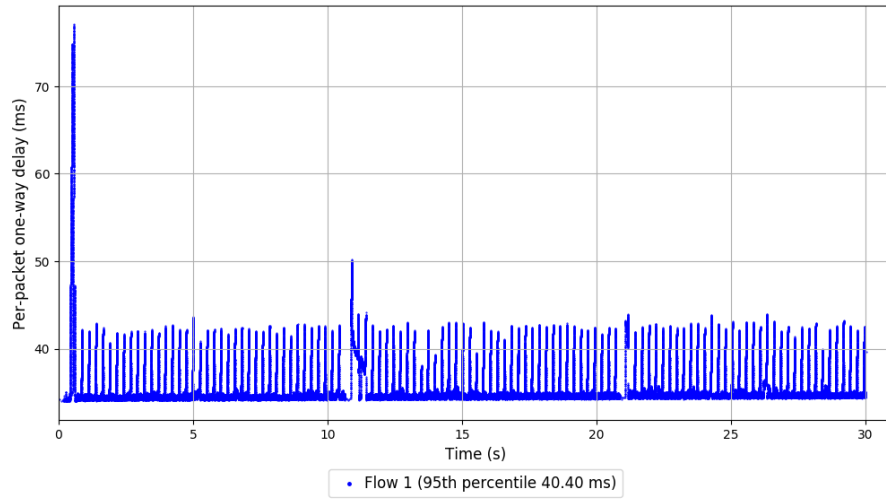
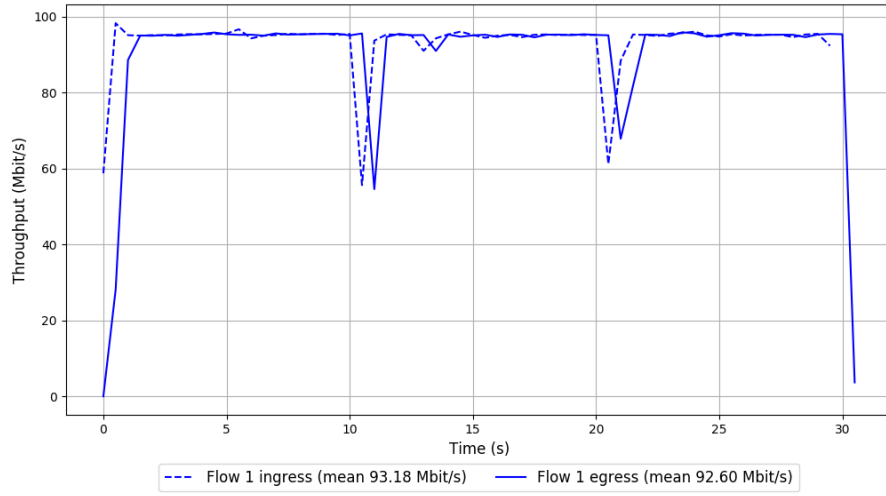
-- Flow 1:

Average throughput: 92.60 Mbit/s

95th percentile per-packet one-way delay: 40.398 ms

Loss rate: 0.60%

Run 1: Report of FillP-Sheep — Data Link



Run 2: Statistics of FillP-Sheep

Start at: 2019-10-02 18:28:36

End at: 2019-10-02 18:29:06

Local clock offset: 10.095 ms

Remote clock offset: 7.681 ms

Below is generated by plot.py at 2019-10-02 22:27:41

Datalink statistics

-- Total of 1 flow:

Average throughput: 92.33 Mbit/s

95th percentile per-packet one-way delay: 39.721 ms

Loss rate: 0.58%

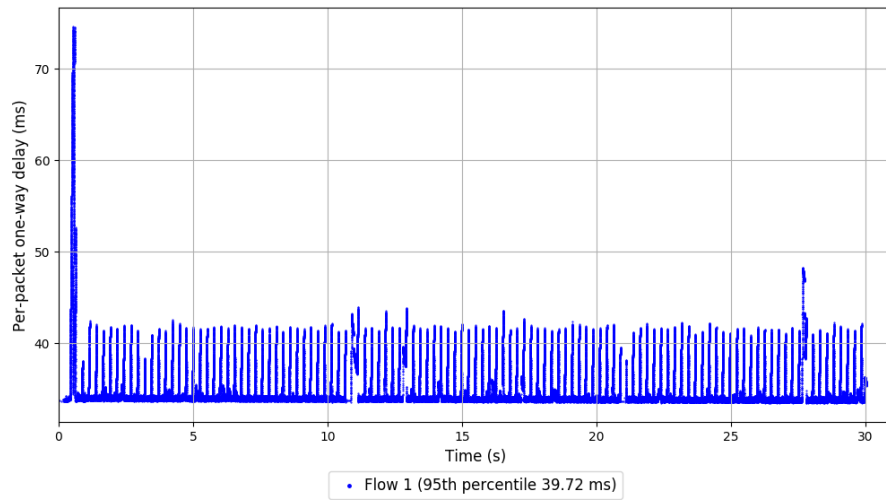
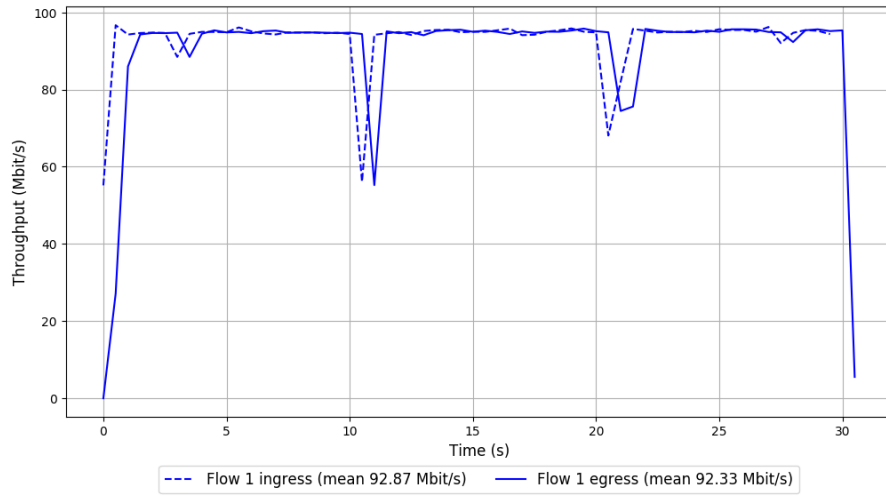
-- Flow 1:

Average throughput: 92.33 Mbit/s

95th percentile per-packet one-way delay: 39.721 ms

Loss rate: 0.58%

Run 2: Report of FillP-Sheep — Data Link



Run 3: Statistics of FillP-Sheep

Start at: 2019-10-02 19:33:52

End at: 2019-10-02 19:34:22

Local clock offset: 0.827 ms

Remote clock offset: 7.609 ms

Below is generated by plot.py at 2019-10-02 22:27:42

Datalink statistics

-- Total of 1 flow:

Average throughput: 92.11 Mbit/s

95th percentile per-packet one-way delay: 40.047 ms

Loss rate: 0.62%

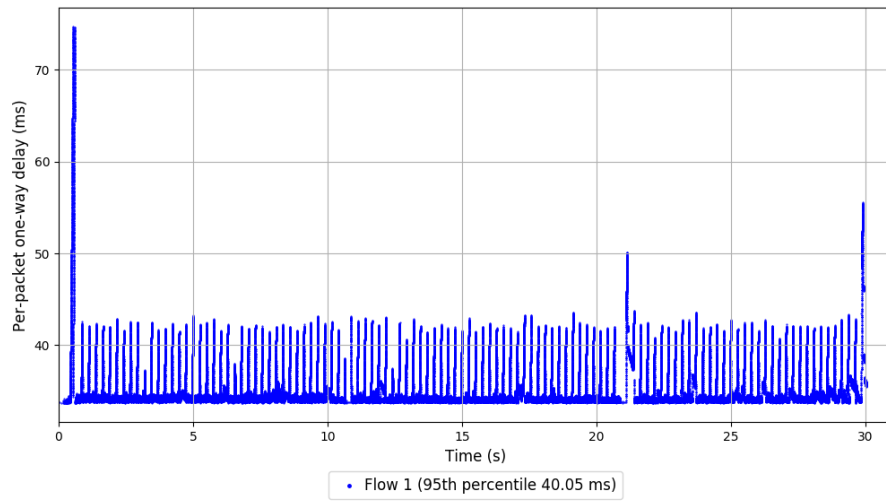
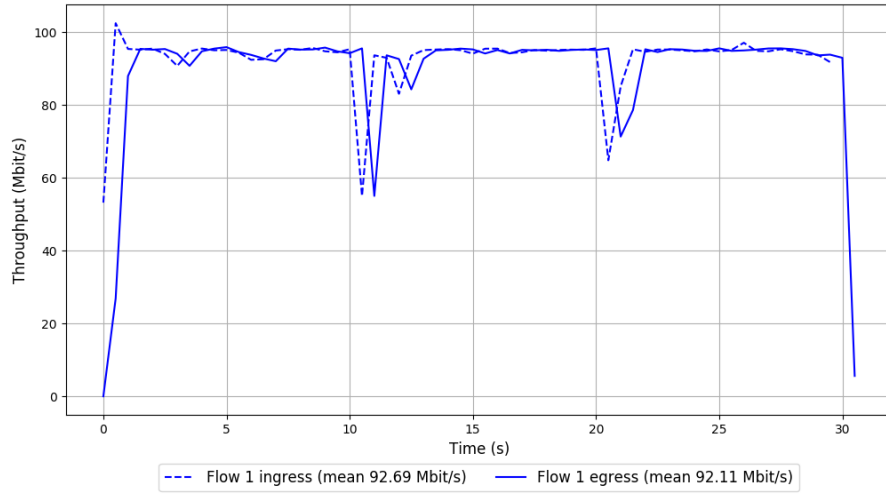
-- Flow 1:

Average throughput: 92.11 Mbit/s

95th percentile per-packet one-way delay: 40.047 ms

Loss rate: 0.62%

Run 3: Report of FillP-Sheep — Data Link



Run 4: Statistics of FillP-Sheep

Start at: 2019-10-02 20:31:15

End at: 2019-10-02 20:31:45

Local clock offset: -0.109 ms

Remote clock offset: 7.712 ms

Below is generated by plot.py at 2019-10-02 22:27:53

Datalink statistics

-- Total of 1 flow:

Average throughput: 92.90 Mbit/s

95th percentile per-packet one-way delay: 39.935 ms

Loss rate: 0.59%

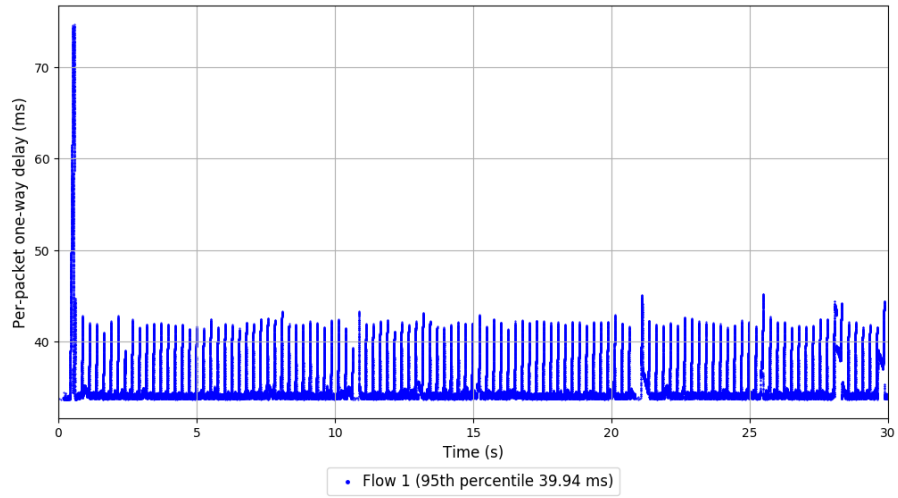
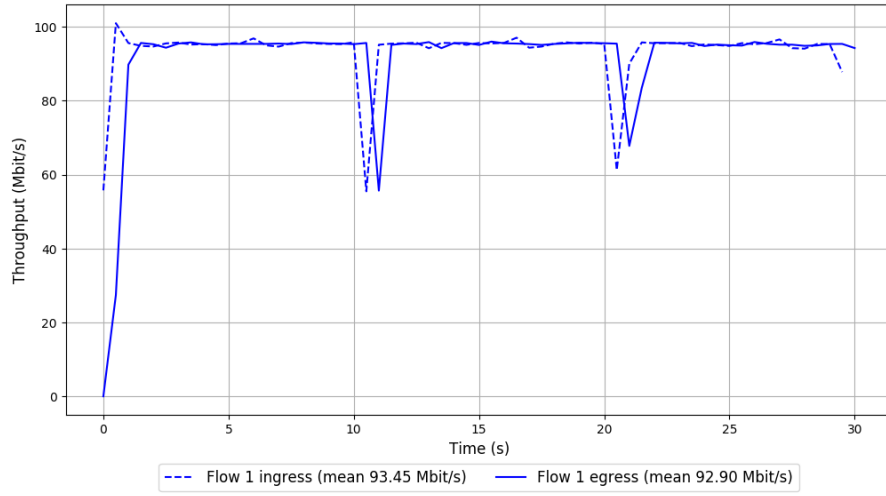
-- Flow 1:

Average throughput: 92.90 Mbit/s

95th percentile per-packet one-way delay: 39.935 ms

Loss rate: 0.59%

Run 4: Report of FillP-Sheep — Data Link



Run 5: Statistics of FillP-Sheep

Start at: 2019-10-02 21:28:51

End at: 2019-10-02 21:29:21

Local clock offset: -0.198 ms

Remote clock offset: 7.629 ms

Below is generated by plot.py at 2019-10-02 22:27:55

Datalink statistics

-- Total of 1 flow:

Average throughput: 92.77 Mbit/s

95th percentile per-packet one-way delay: 40.252 ms

Loss rate: 0.60%

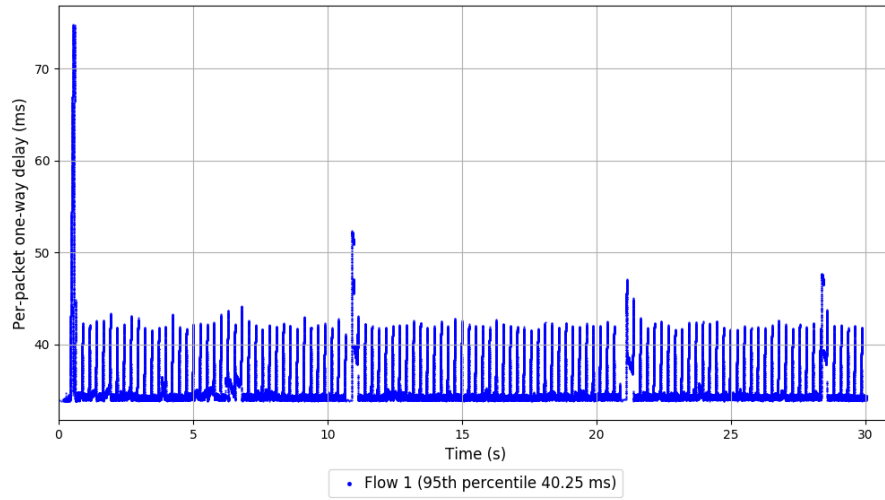
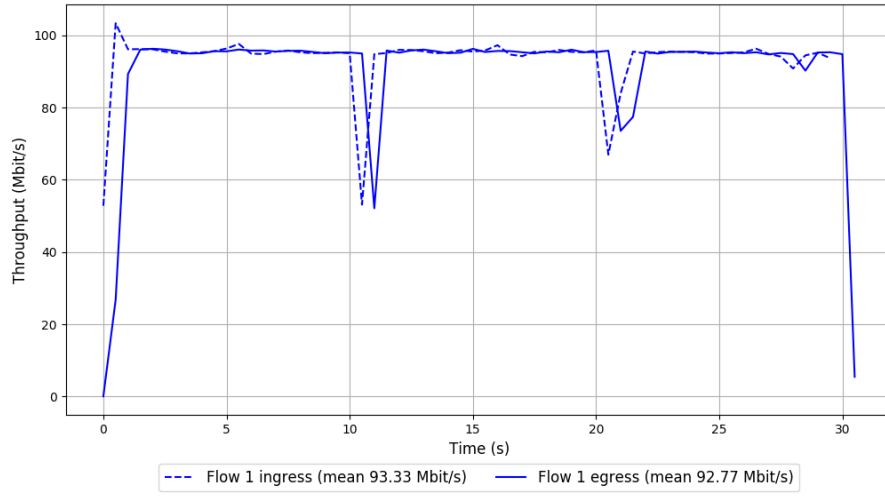
-- Flow 1:

Average throughput: 92.77 Mbit/s

95th percentile per-packet one-way delay: 40.252 ms

Loss rate: 0.60%

Run 5: Report of FillP-Sheep — Data Link



Run 1: Statistics of Indigo

Start at: 2019-10-02 18:01:12

End at: 2019-10-02 18:01:42

Local clock offset: 7.853 ms

Remote clock offset: 7.797 ms

Below is generated by plot.py at 2019-10-02 22:27:55

Datalink statistics

-- Total of 1 flow:

Average throughput: 94.27 Mbit/s

95th percentile per-packet one-way delay: 37.846 ms

Loss rate: 0.00%

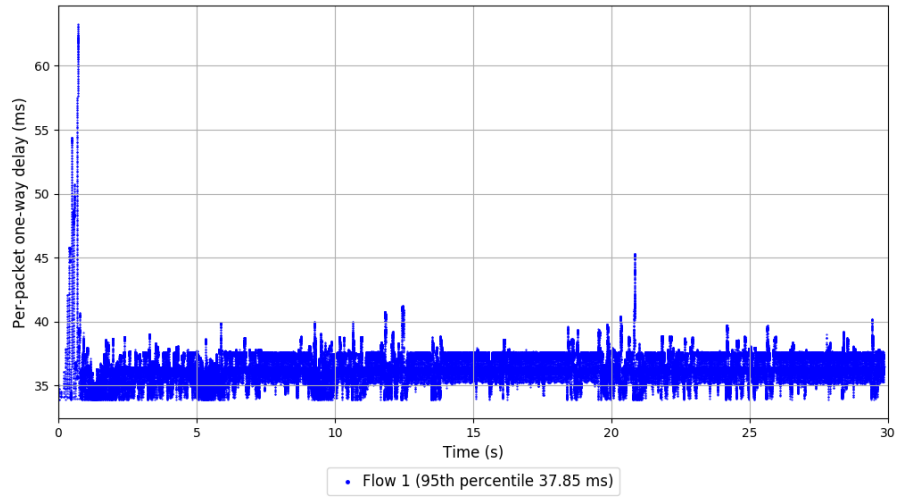
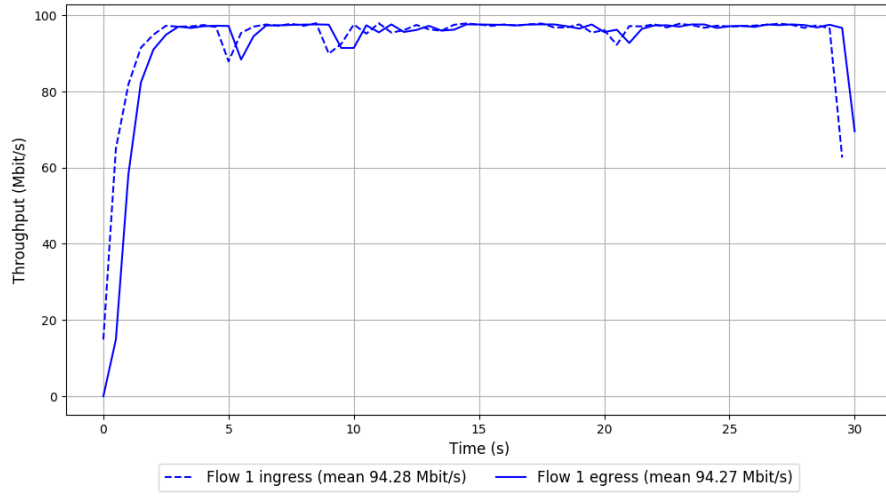
-- Flow 1:

Average throughput: 94.27 Mbit/s

95th percentile per-packet one-way delay: 37.846 ms

Loss rate: 0.00%

Run 1: Report of Indigo — Data Link



Run 2: Statistics of Indigo

Start at: 2019-10-02 18:57:19

End at: 2019-10-02 18:57:49

Local clock offset: 6.87 ms

Remote clock offset: 7.551 ms

Below is generated by plot.py at 2019-10-02 22:27:55

Datalink statistics

-- Total of 1 flow:

Average throughput: 87.67 Mbit/s

95th percentile per-packet one-way delay: 38.354 ms

Loss rate: 0.04%

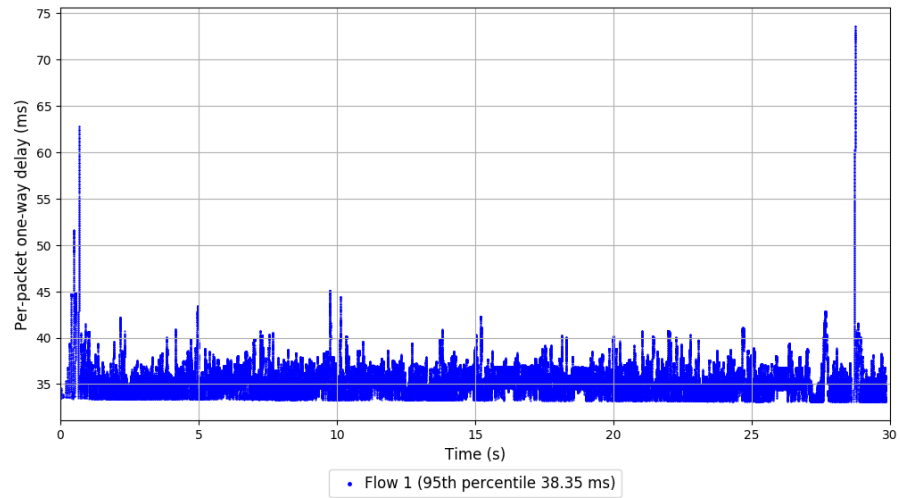
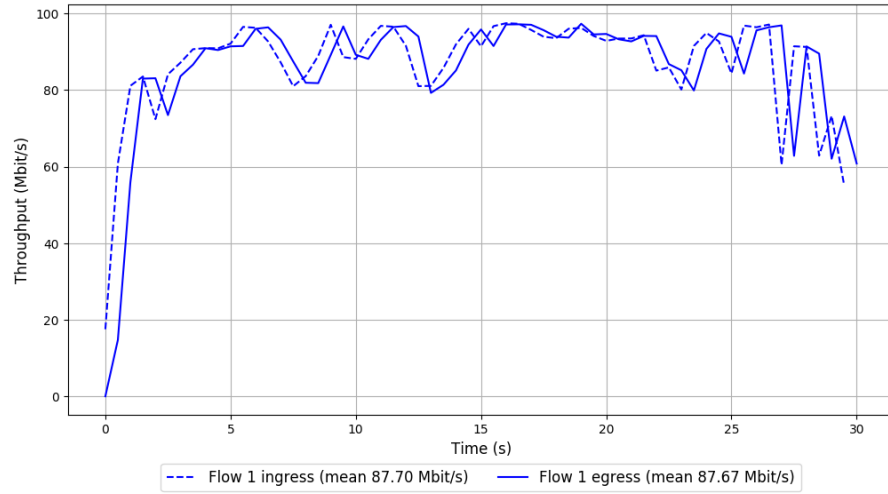
-- Flow 1:

Average throughput: 87.67 Mbit/s

95th percentile per-packet one-way delay: 38.354 ms

Loss rate: 0.04%

Run 2: Report of Indigo — Data Link



Run 3: Statistics of Indigo

Start at: 2019-10-02 19:58:04

End at: 2019-10-02 19:58:34

Local clock offset: 0.569 ms

Remote clock offset: 7.898 ms

Below is generated by plot.py at 2019-10-02 22:27:55

Datalink statistics

-- Total of 1 flow:

Average throughput: 94.67 Mbit/s

95th percentile per-packet one-way delay: 38.544 ms

Loss rate: 0.03%

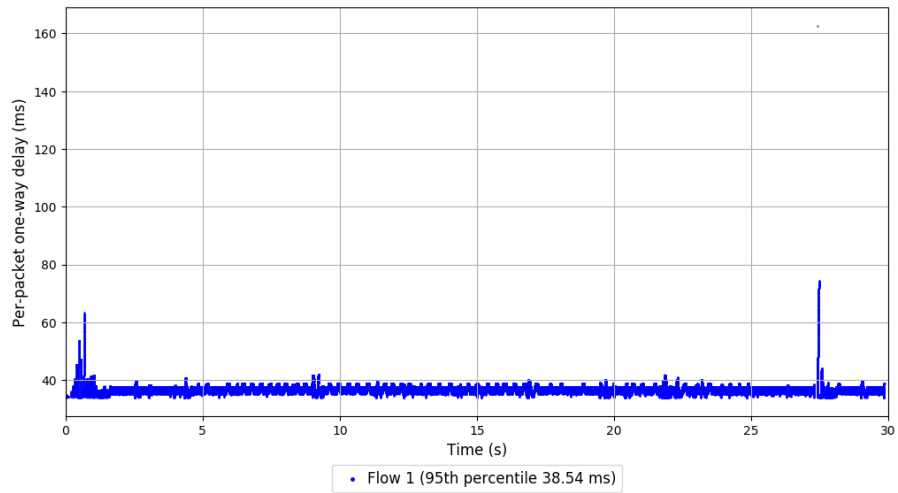
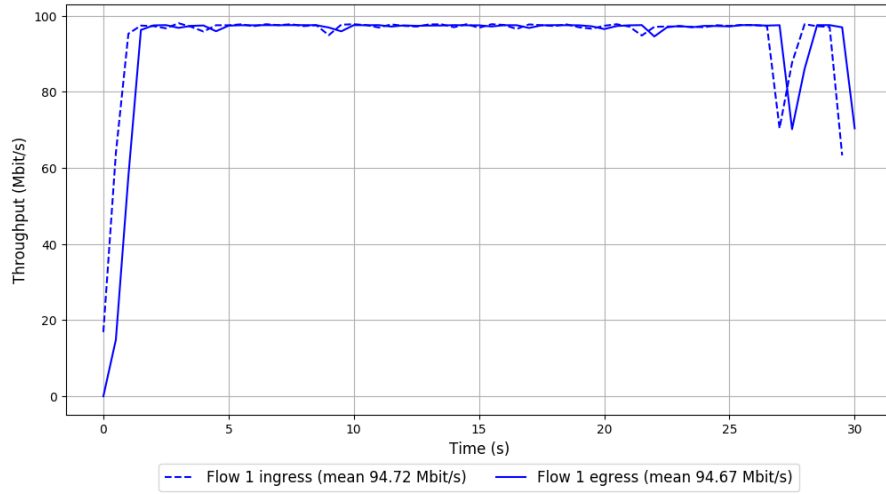
-- Flow 1:

Average throughput: 94.67 Mbit/s

95th percentile per-packet one-way delay: 38.544 ms

Loss rate: 0.03%

Run 3: Report of Indigo — Data Link



Run 4: Statistics of Indigo

Start at: 2019-10-02 21:00:19

End at: 2019-10-02 21:00:49

Local clock offset: -0.343 ms

Remote clock offset: 7.686 ms

Below is generated by plot.py at 2019-10-02 22:27:55

Datalink statistics

-- Total of 1 flow:

Average throughput: 93.41 Mbit/s

95th percentile per-packet one-way delay: 39.213 ms

Loss rate: 0.00%

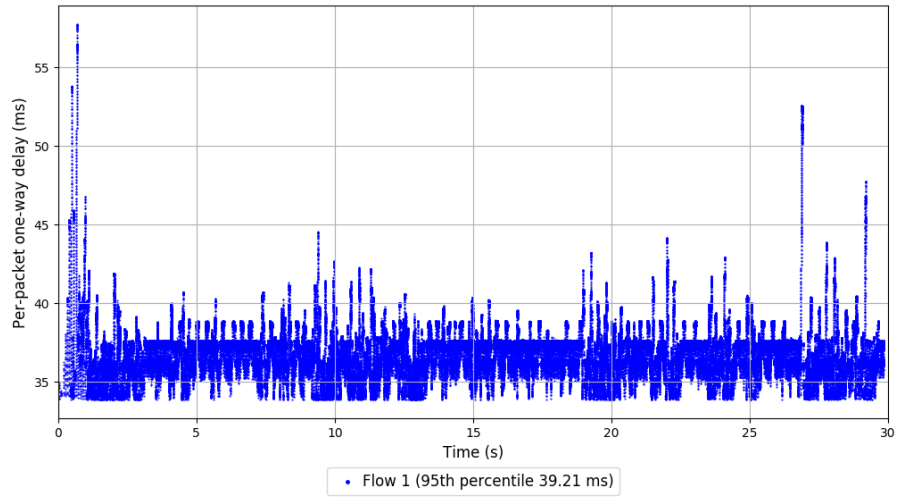
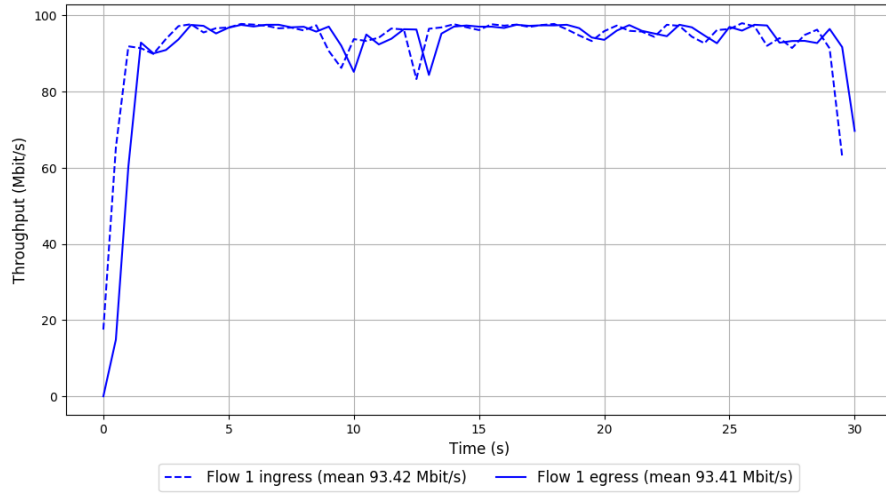
-- Flow 1:

Average throughput: 93.41 Mbit/s

95th percentile per-packet one-way delay: 39.213 ms

Loss rate: 0.00%

Run 4: Report of Indigo — Data Link



Run 5: Statistics of Indigo

Start at: 2019-10-02 21:53:57

End at: 2019-10-02 21:54:27

Local clock offset: -0.253 ms

Remote clock offset: 7.388 ms

Below is generated by plot.py at 2019-10-02 22:28:40

Datalink statistics

-- Total of 1 flow:

Average throughput: 88.31 Mbit/s

95th percentile per-packet one-way delay: 38.884 ms

Loss rate: 0.02%

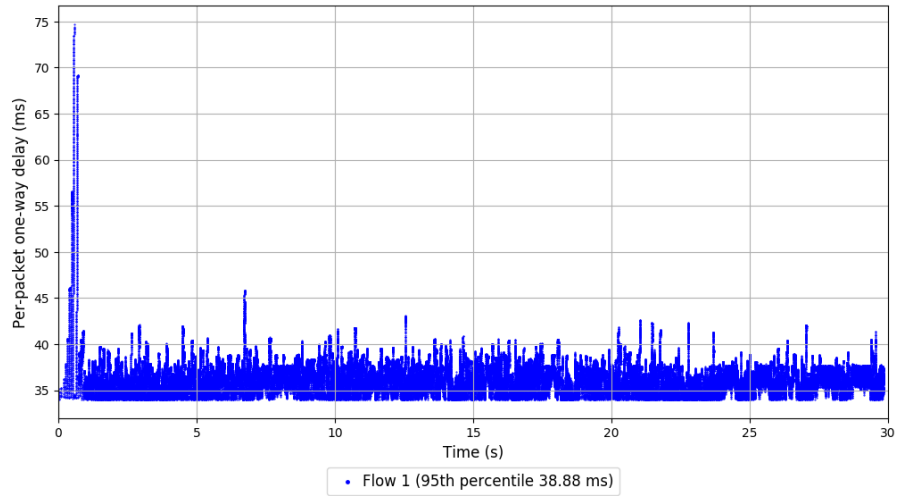
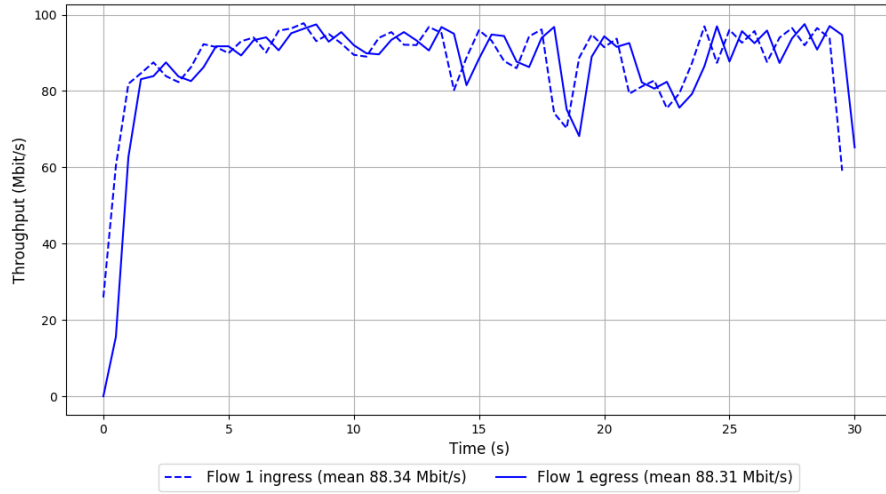
-- Flow 1:

Average throughput: 88.31 Mbit/s

95th percentile per-packet one-way delay: 38.884 ms

Loss rate: 0.02%

Run 5: Report of Indigo — Data Link



Run 1: Statistics of Indigo-MusesC3

Start at: 2019-10-02 17:36:40

End at: 2019-10-02 17:37:10

Local clock offset: 7.975 ms

Remote clock offset: 7.645 ms

Below is generated by plot.py at 2019-10-02 22:28:40

Datalink statistics

-- Total of 1 flow:

Average throughput: 93.89 Mbit/s

95th percentile per-packet one-way delay: 41.171 ms

Loss rate: 0.00%

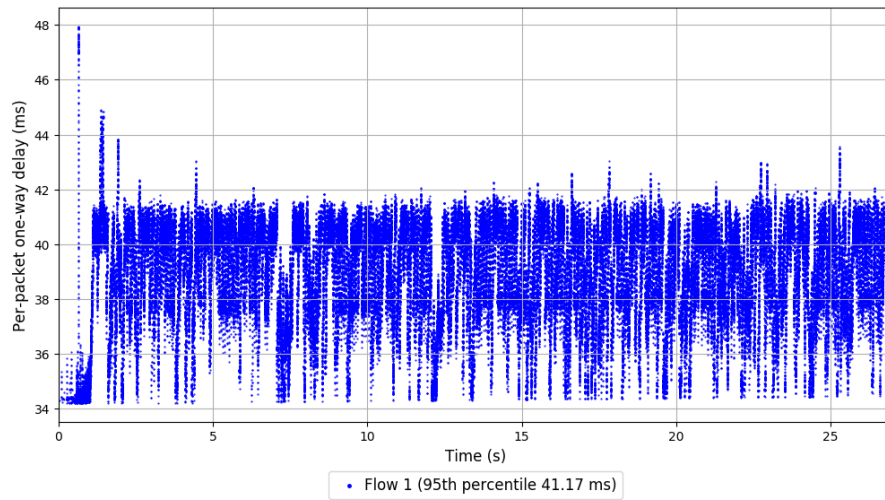
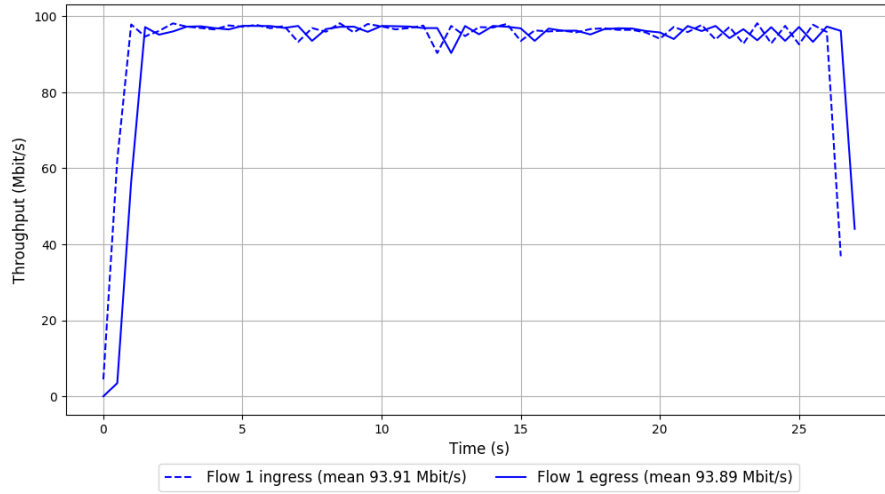
-- Flow 1:

Average throughput: 93.89 Mbit/s

95th percentile per-packet one-way delay: 41.171 ms

Loss rate: 0.00%

Run 1: Report of Indigo-MusesC3 — Data Link



Run 2: Statistics of Indigo-MusesC3

Start at: 2019-10-02 18:32:56

End at: 2019-10-02 18:33:26

Local clock offset: 8.415 ms

Remote clock offset: 7.699 ms

Below is generated by plot.py at 2019-10-02 22:28:49

Datalink statistics

-- Total of 1 flow:

Average throughput: 96.37 Mbit/s

95th percentile per-packet one-way delay: 41.662 ms

Loss rate: 0.00%

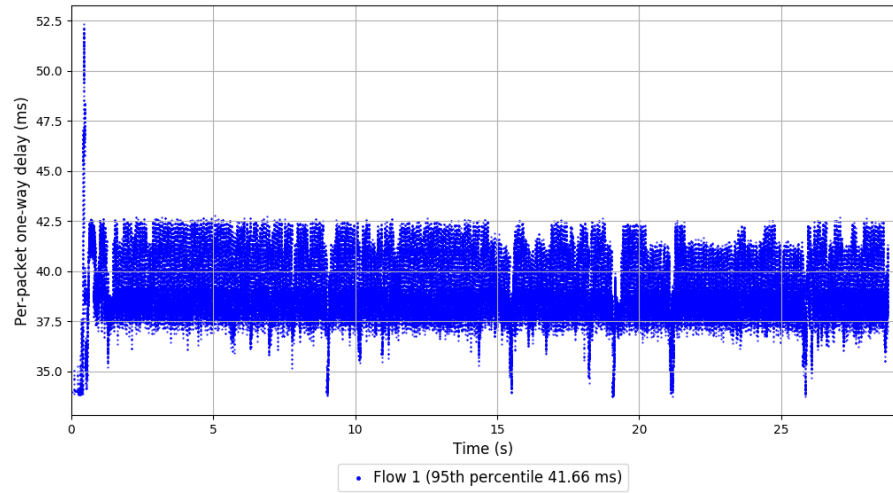
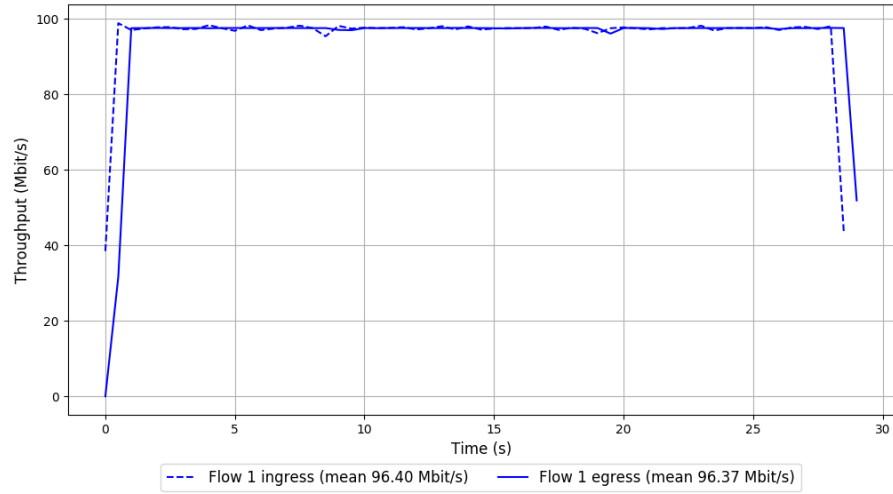
-- Flow 1:

Average throughput: 96.37 Mbit/s

95th percentile per-packet one-way delay: 41.662 ms

Loss rate: 0.00%

Run 2: Report of Indigo-MusesC3 — Data Link



Run 3: Statistics of Indigo-MusesC3

Start at: 2019-10-02 19:38:06

End at: 2019-10-02 19:38:36

Local clock offset: 0.69 ms

Remote clock offset: 7.687 ms

Below is generated by plot.py at 2019-10-02 22:28:49

Datalink statistics

-- Total of 1 flow:

Average throughput: 95.65 Mbit/s

95th percentile per-packet one-way delay: 41.441 ms

Loss rate: 0.00%

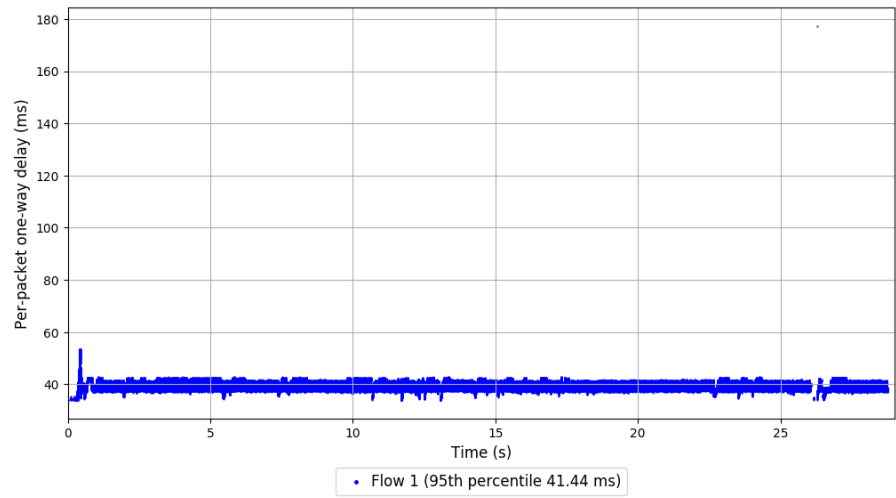
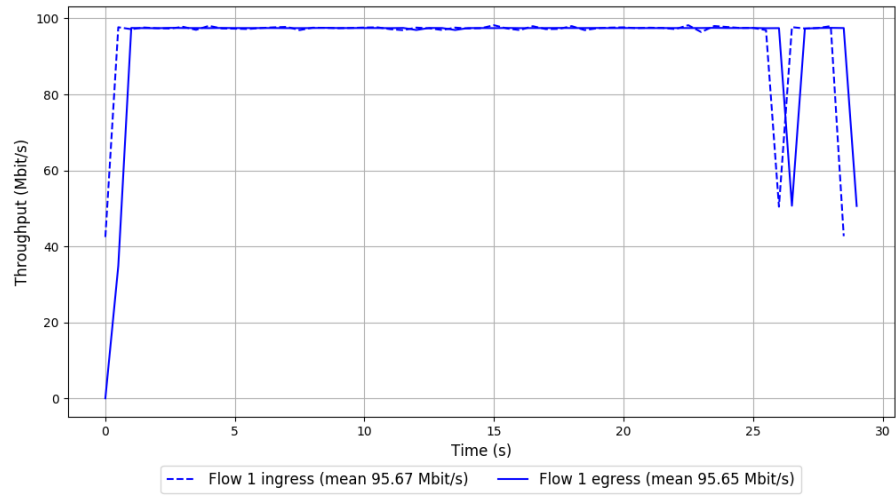
-- Flow 1:

Average throughput: 95.65 Mbit/s

95th percentile per-packet one-way delay: 41.441 ms

Loss rate: 0.00%

Run 3: Report of Indigo-MusesC3 — Data Link



Run 4: Statistics of Indigo-MusesC3

Start at: 2019-10-02 20:35:58

End at: 2019-10-02 20:36:29

Local clock offset: -0.19 ms

Remote clock offset: 7.763 ms

Below is generated by plot.py at 2019-10-02 22:28:51

Datalink statistics

-- Total of 1 flow:

Average throughput: 95.97 Mbit/s

95th percentile per-packet one-way delay: 41.500 ms

Loss rate: 0.00%

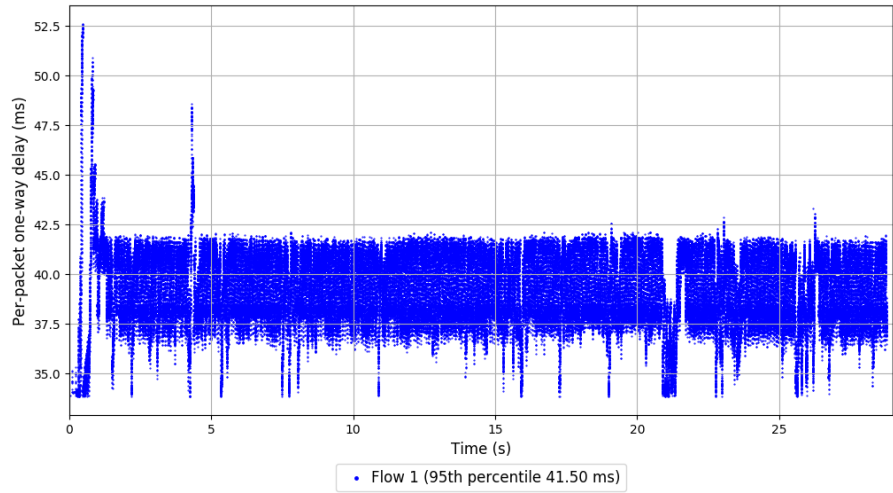
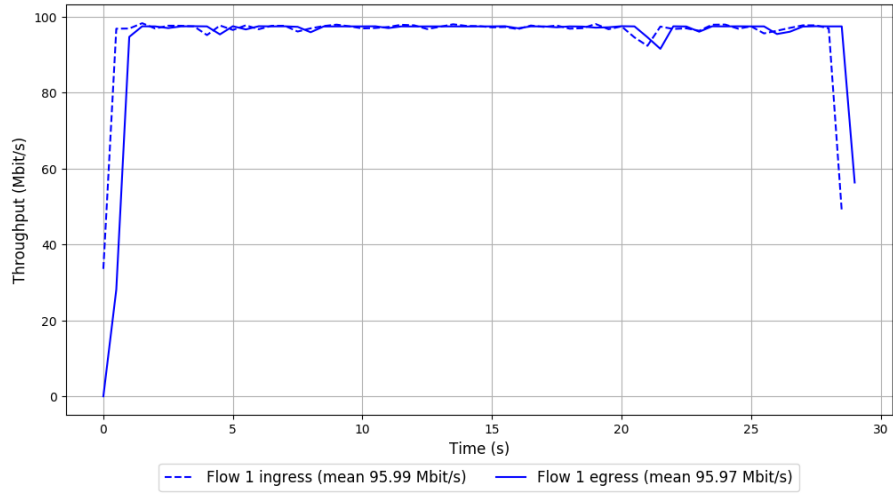
-- Flow 1:

Average throughput: 95.97 Mbit/s

95th percentile per-packet one-way delay: 41.500 ms

Loss rate: 0.00%

Run 4: Report of Indigo-MusesC3 — Data Link



Run 5: Statistics of Indigo-MusesC3

Start at: 2019-10-02 21:33:25

End at: 2019-10-02 21:33:55

Local clock offset: -0.25 ms

Remote clock offset: 7.432 ms

Below is generated by plot.py at 2019-10-02 22:28:51

Datalink statistics

-- Total of 1 flow:

Average throughput: 96.22 Mbit/s

95th percentile per-packet one-way delay: 41.658 ms

Loss rate: 0.00%

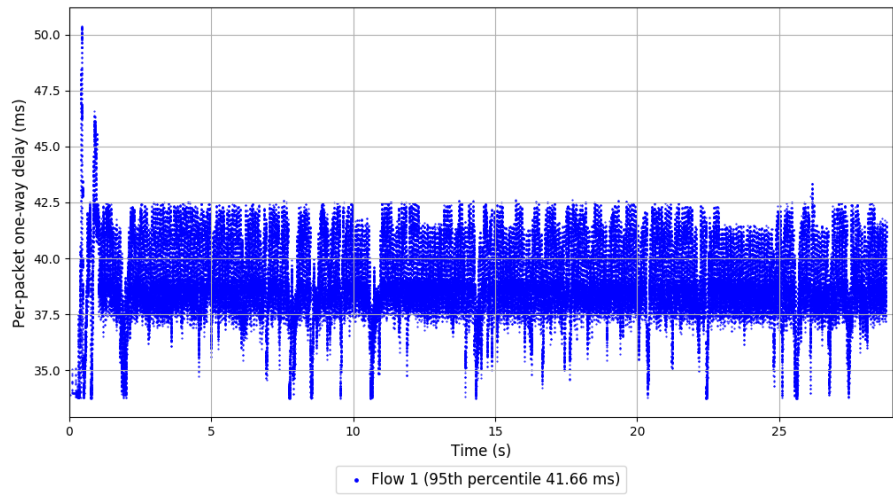
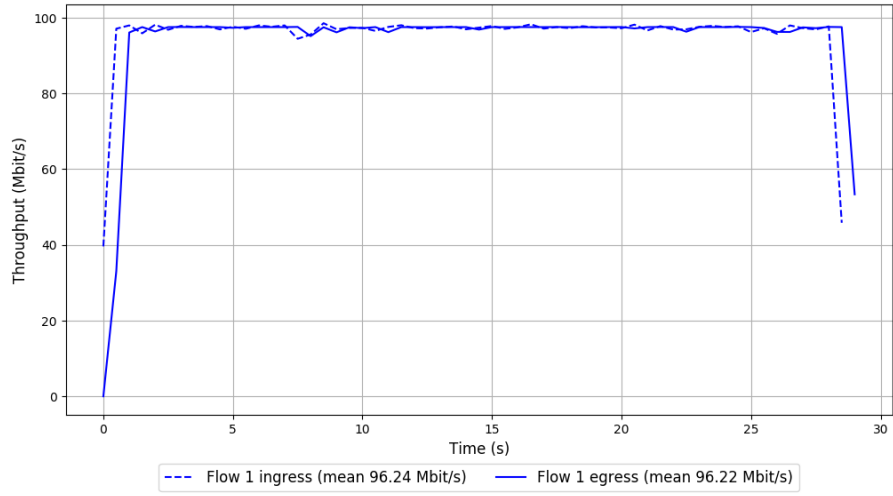
-- Flow 1:

Average throughput: 96.22 Mbit/s

95th percentile per-packet one-way delay: 41.658 ms

Loss rate: 0.00%

Run 5: Report of Indigo-MusesC3 — Data Link



Run 1: Statistics of Indigo-MusesC5

Start at: 2019-10-02 17:45:12

End at: 2019-10-02 17:45:42

Local clock offset: 7.844 ms

Remote clock offset: 7.657 ms

Below is generated by plot.py at 2019-10-02 22:28:59

Datalink statistics

-- Total of 1 flow:

Average throughput: 95.27 Mbit/s

95th percentile per-packet one-way delay: 39.169 ms

Loss rate: 0.01%

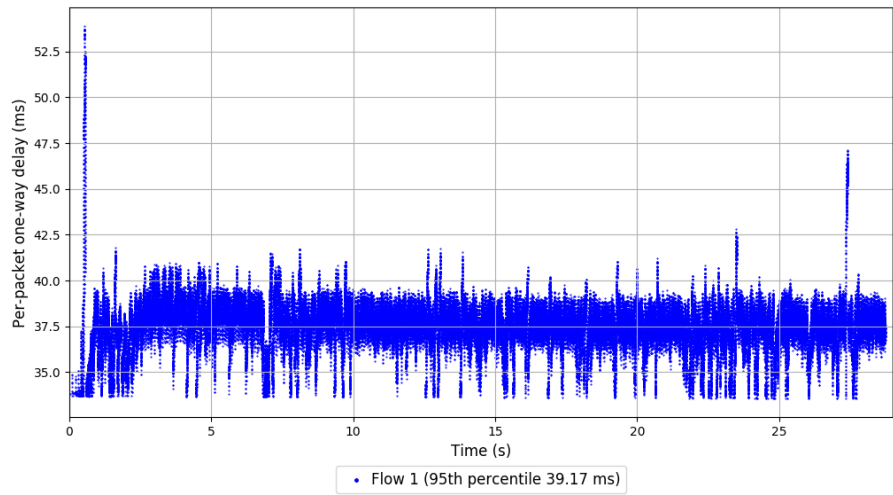
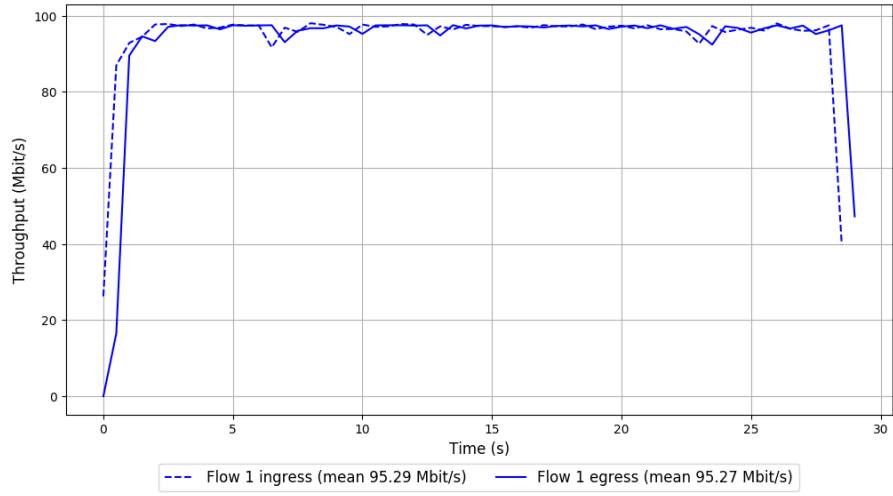
-- Flow 1:

Average throughput: 95.27 Mbit/s

95th percentile per-packet one-way delay: 39.169 ms

Loss rate: 0.01%

Run 1: Report of Indigo-MusesC5 — Data Link



Run 2: Statistics of Indigo-MusesC5

Start at: 2019-10-02 18:43:33

End at: 2019-10-02 18:44:03

Local clock offset: 7.52 ms

Remote clock offset: 7.703 ms

Below is generated by plot.py at 2019-10-02 22:29:01

Datalink statistics

-- Total of 1 flow:

Average throughput: 94.73 Mbit/s

95th percentile per-packet one-way delay: 40.212 ms

Loss rate: 0.00%

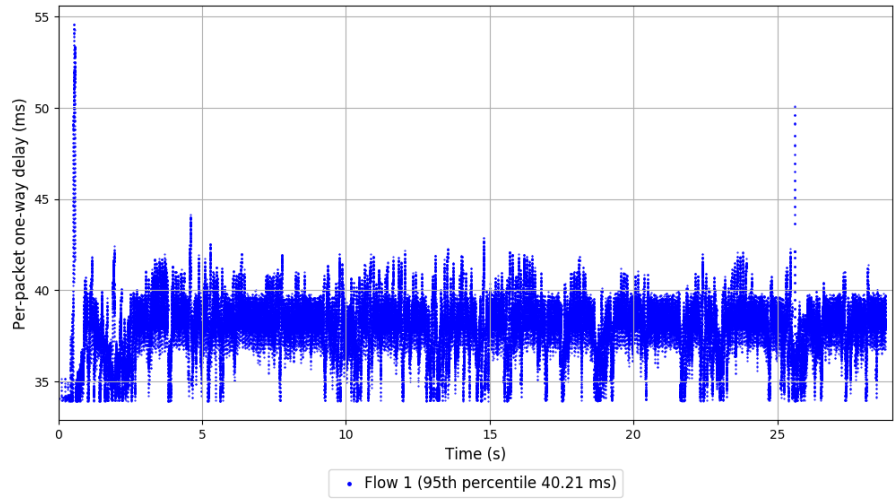
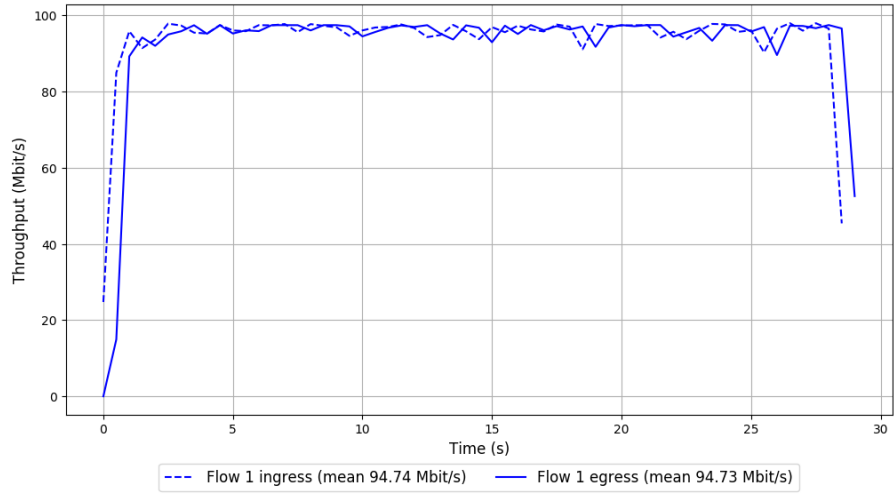
-- Flow 1:

Average throughput: 94.73 Mbit/s

95th percentile per-packet one-way delay: 40.212 ms

Loss rate: 0.00%

Run 2: Report of Indigo-MusesC5 — Data Link



Run 3: Statistics of Indigo-MusesC5

Start at: 2019-10-02 19:46:38

End at: 2019-10-02 19:47:08

Local clock offset: 0.643 ms

Remote clock offset: 7.771 ms

Below is generated by plot.py at 2019-10-02 22:29:44

Datalink statistics

-- Total of 1 flow:

Average throughput: 94.72 Mbit/s

95th percentile per-packet one-way delay: 39.292 ms

Loss rate: 0.00%

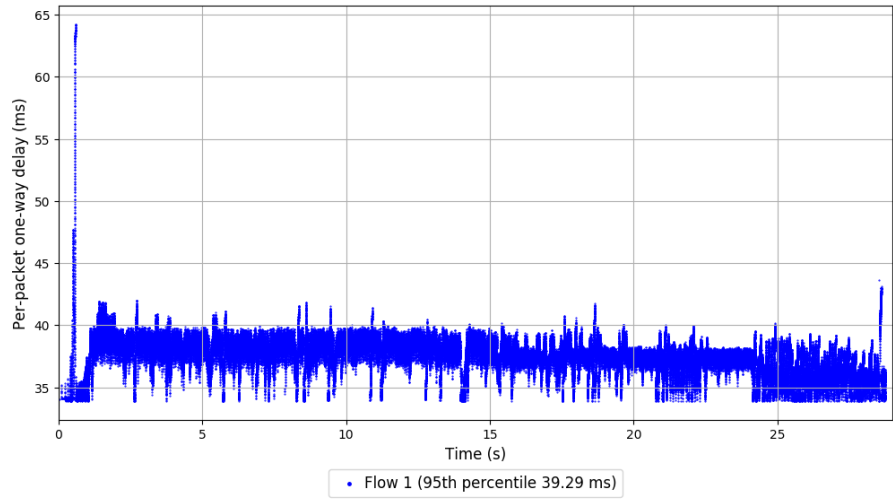
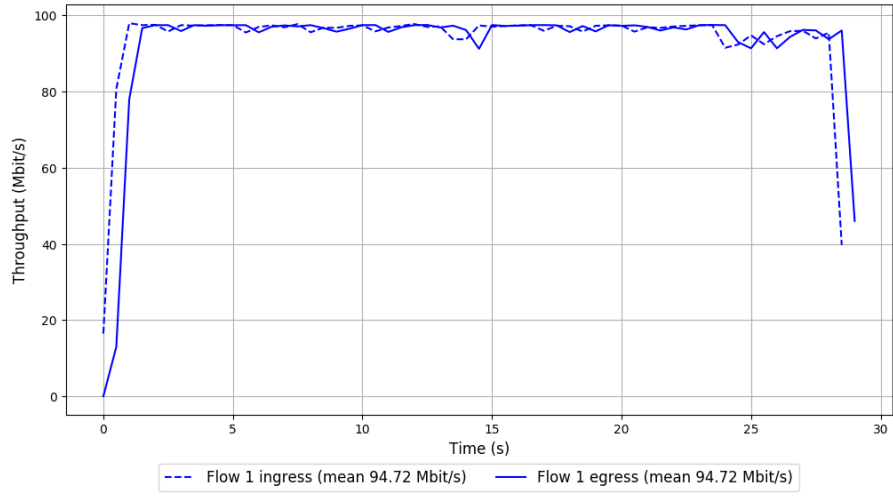
-- Flow 1:

Average throughput: 94.72 Mbit/s

95th percentile per-packet one-way delay: 39.292 ms

Loss rate: 0.00%

Run 3: Report of Indigo-MusesC5 — Data Link



Run 4: Statistics of Indigo-MusesC5

Start at: 2019-10-02 20:45:44

End at: 2019-10-02 20:46:14

Local clock offset: -0.323 ms

Remote clock offset: 7.686 ms

Below is generated by plot.py at 2019-10-02 22:29:45

Datalink statistics

-- Total of 1 flow:

Average throughput: 93.39 Mbit/s

95th percentile per-packet one-way delay: 38.131 ms

Loss rate: 0.00%

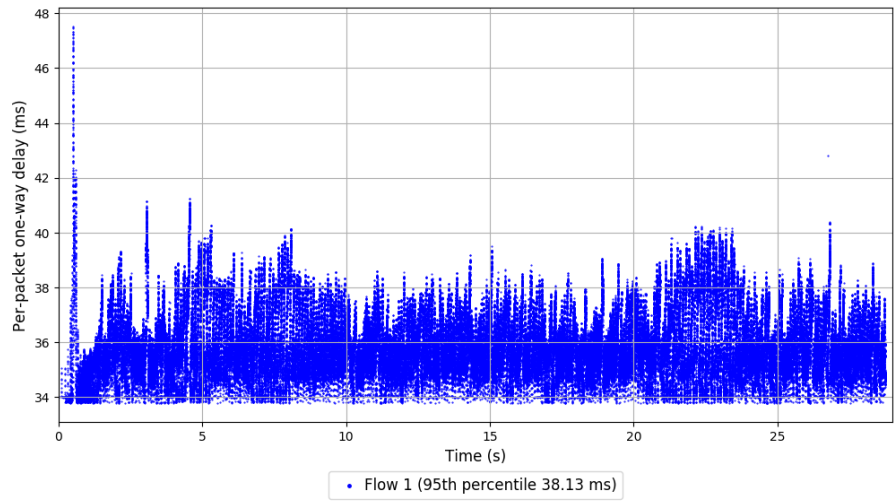
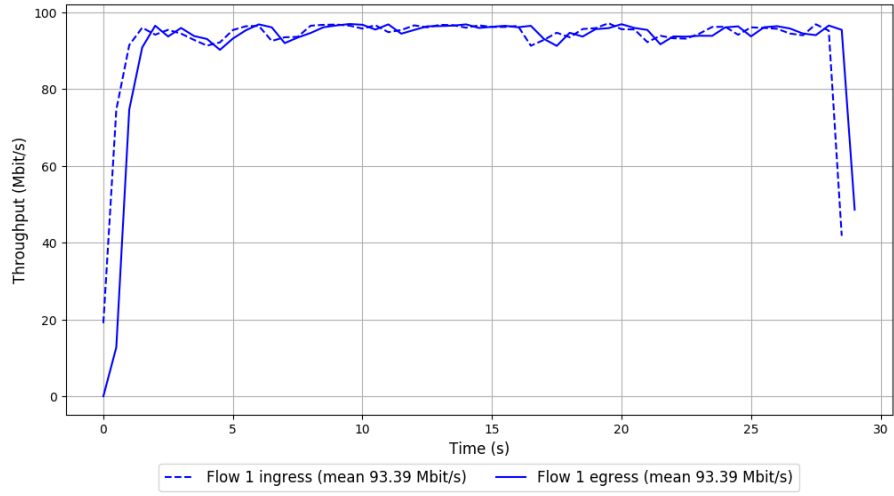
-- Flow 1:

Average throughput: 93.39 Mbit/s

95th percentile per-packet one-way delay: 38.131 ms

Loss rate: 0.00%

Run 4: Report of Indigo-MusesC5 — Data Link



Run 5: Statistics of Indigo-MusesC5

Start at: 2019-10-02 21:42:01

End at: 2019-10-02 21:42:31

Local clock offset: -0.235 ms

Remote clock offset: 7.407 ms

Below is generated by plot.py at 2019-10-02 22:29:55

Datalink statistics

-- Total of 1 flow:

Average throughput: 95.66 Mbit/s

95th percentile per-packet one-way delay: 39.020 ms

Loss rate: 0.00%

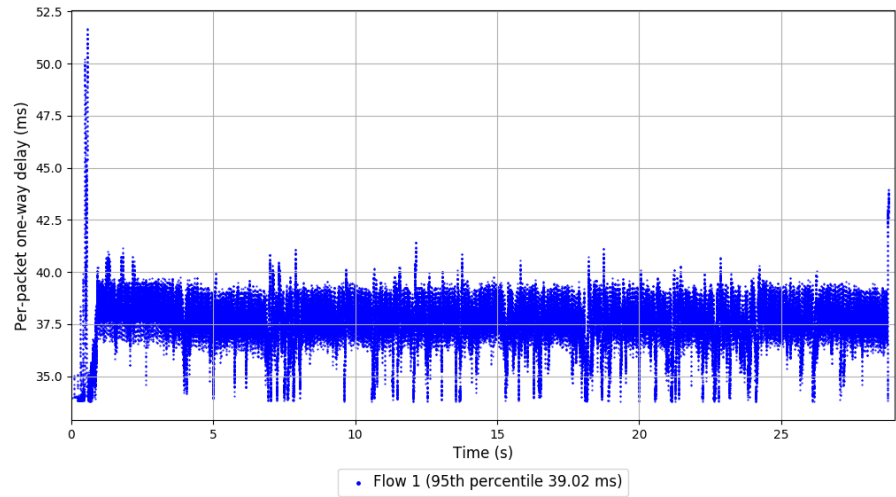
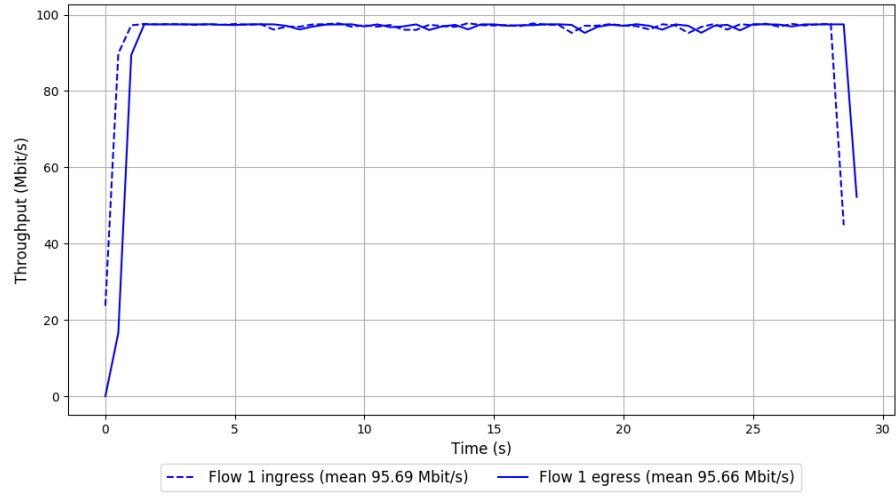
-- Flow 1:

Average throughput: 95.66 Mbit/s

95th percentile per-packet one-way delay: 39.020 ms

Loss rate: 0.00%

Run 5: Report of Indigo-MusesC5 — Data Link



Run 1: Statistics of Indigo-MusesD

Start at: 2019-10-02 18:11:30

End at: 2019-10-02 18:12:00

Local clock offset: 9.241 ms

Remote clock offset: 7.868 ms

Below is generated by plot.py at 2019-10-02 22:29:55

Datalink statistics

-- Total of 1 flow:

Average throughput: 93.06 Mbit/s

95th percentile per-packet one-way delay: 37.393 ms

Loss rate: 0.00%

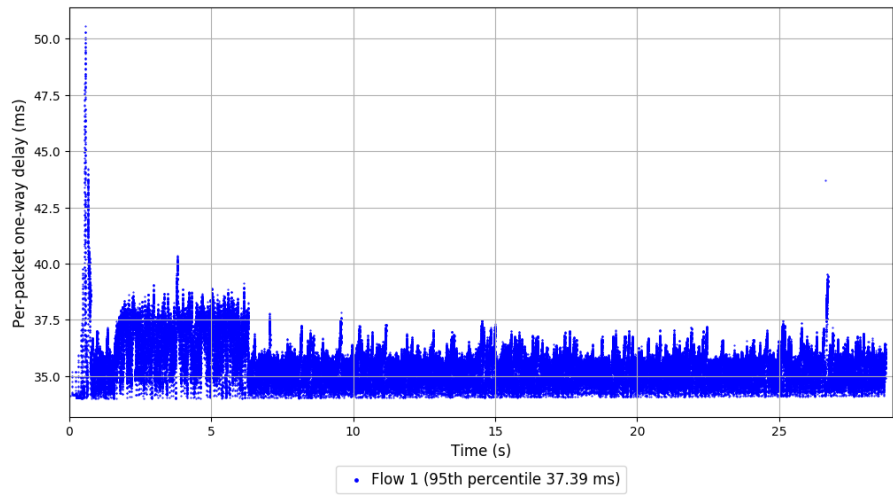
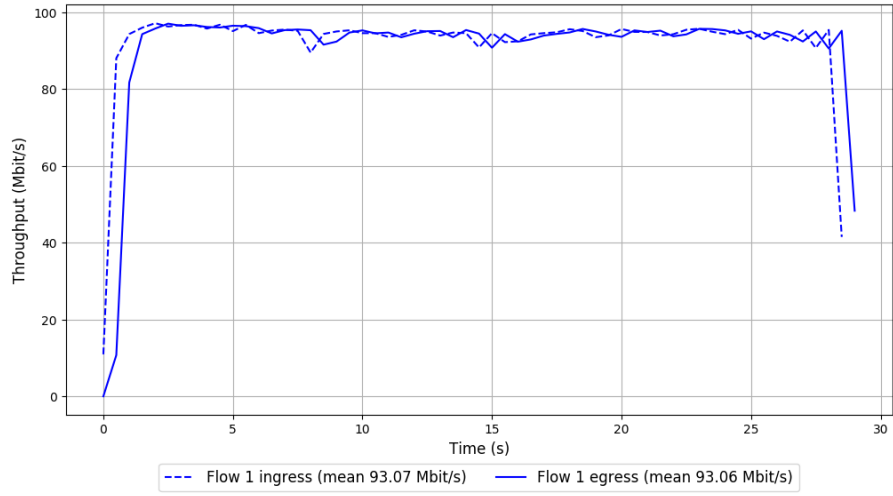
-- Flow 1:

Average throughput: 93.06 Mbit/s

95th percentile per-packet one-way delay: 37.393 ms

Loss rate: 0.00%

Run 1: Report of Indigo-MusesD — Data Link



Run 2: Statistics of Indigo-MusesD

Start at: 2019-10-02 19:08:50

End at: 2019-10-02 19:09:20

Local clock offset: 2.428 ms

Remote clock offset: 7.676 ms

Below is generated by plot.py at 2019-10-02 22:29:58

Datalink statistics

-- Total of 1 flow:

Average throughput: 95.62 Mbit/s

95th percentile per-packet one-way delay: 37.826 ms

Loss rate: 0.00%

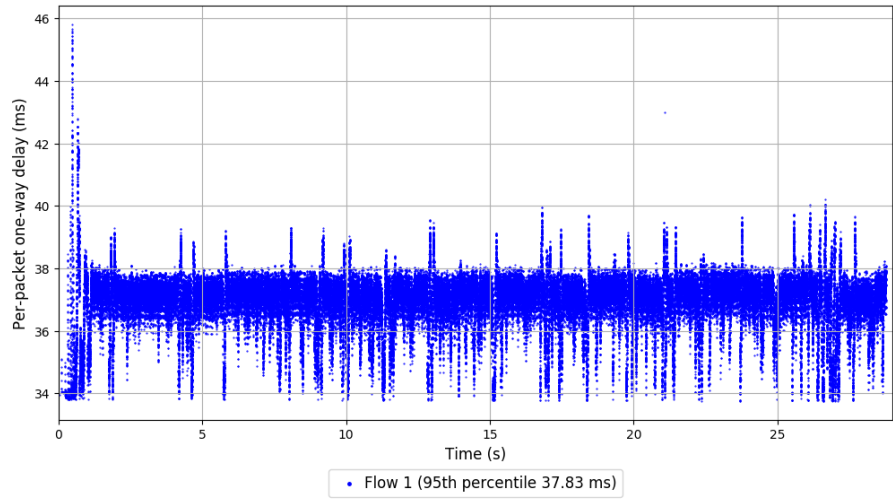
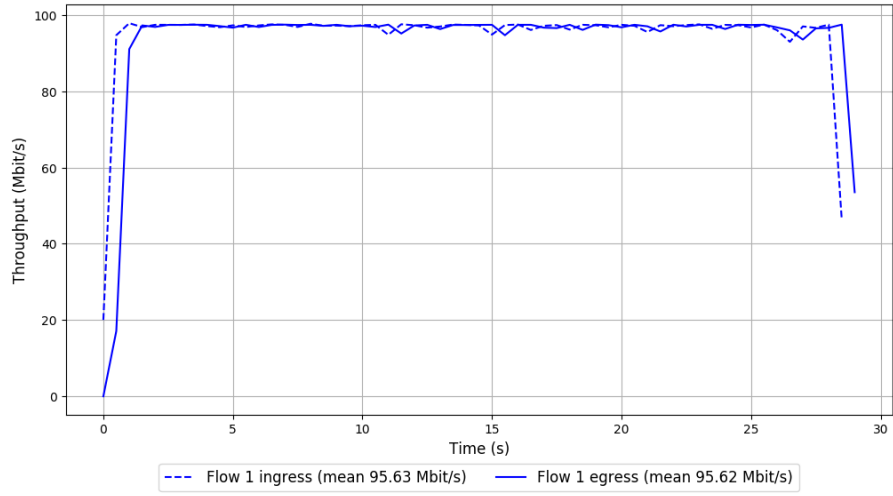
-- Flow 1:

Average throughput: 95.62 Mbit/s

95th percentile per-packet one-way delay: 37.826 ms

Loss rate: 0.00%

Run 2: Report of Indigo-MusesD — Data Link



Run 3: Statistics of Indigo-MusesD

Start at: 2019-10-02 20:11:23

End at: 2019-10-02 20:11:53

Local clock offset: 0.205 ms

Remote clock offset: 7.79 ms

Below is generated by plot.py at 2019-10-02 22:29:58

Datalink statistics

-- Total of 1 flow:

Average throughput: 94.77 Mbit/s

95th percentile per-packet one-way delay: 37.983 ms

Loss rate: 0.00%

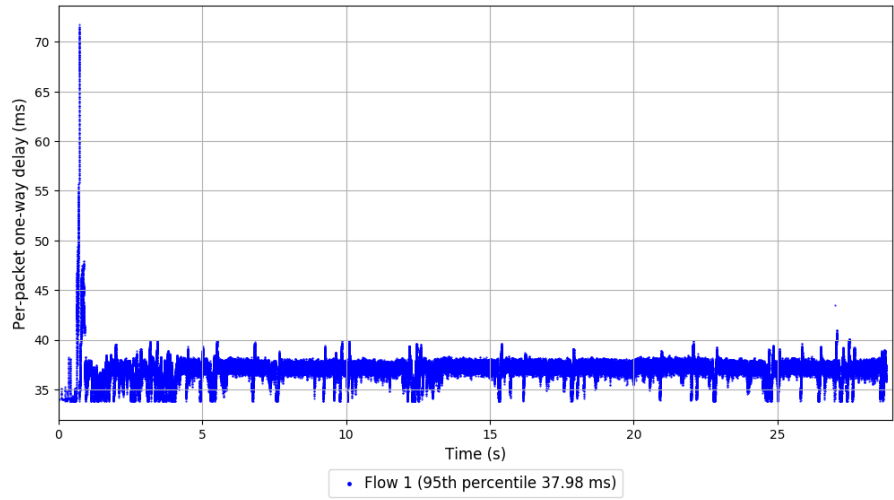
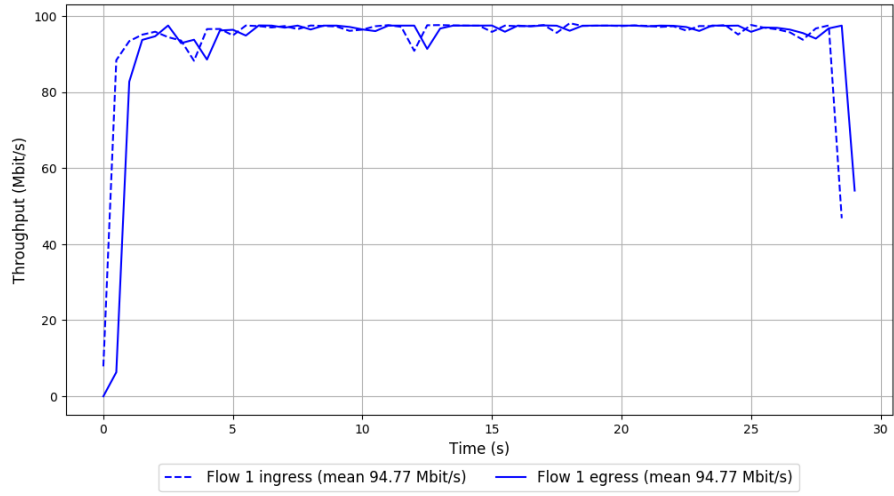
-- Flow 1:

Average throughput: 94.77 Mbit/s

95th percentile per-packet one-way delay: 37.983 ms

Loss rate: 0.00%

Run 3: Report of Indigo-MusesD — Data Link



Run 4: Statistics of Indigo-MusesD

Start at: 2019-10-02 21:12:00

End at: 2019-10-02 21:12:30

Local clock offset: -0.274 ms

Remote clock offset: 7.726 ms

Below is generated by plot.py at 2019-10-02 22:30:05

Datalink statistics

-- Total of 1 flow:

Average throughput: 92.27 Mbit/s

95th percentile per-packet one-way delay: 38.243 ms

Loss rate: 0.00%

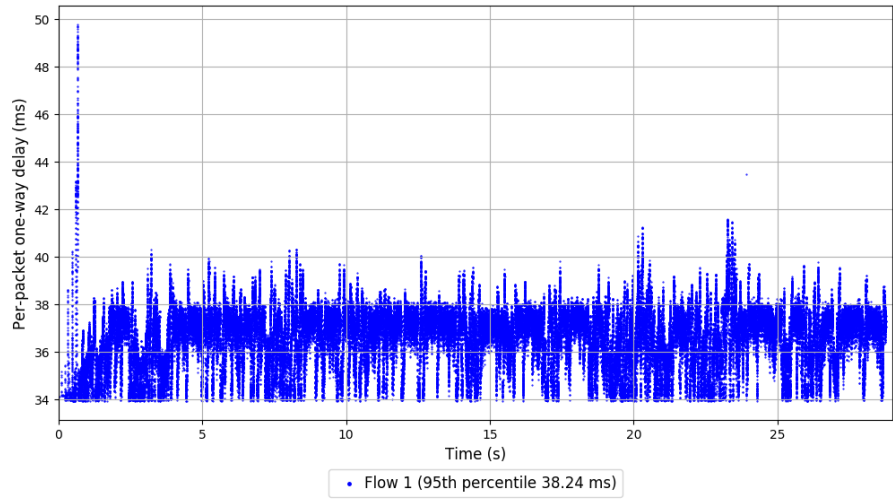
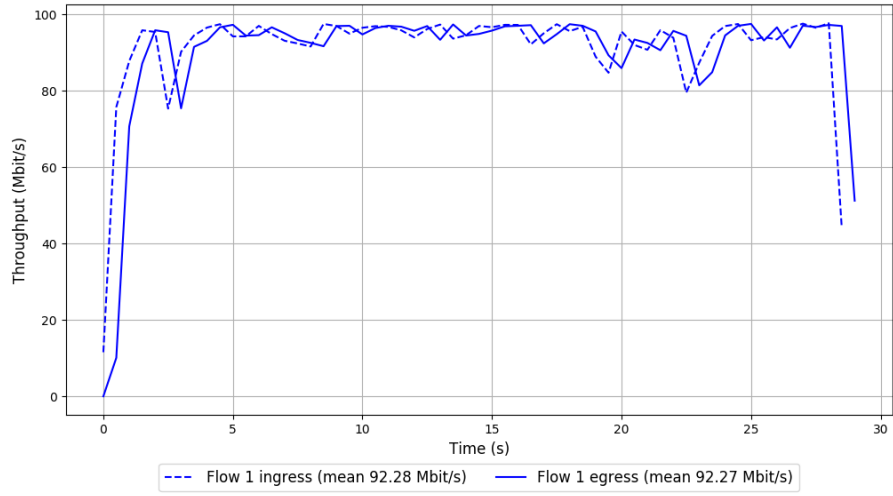
-- Flow 1:

Average throughput: 92.27 Mbit/s

95th percentile per-packet one-way delay: 38.243 ms

Loss rate: 0.00%

Run 4: Report of Indigo-MusesD — Data Link



Run 5: Statistics of Indigo-MusesD

Start at: 2019-10-02 22:05:31

End at: 2019-10-02 22:06:01

Local clock offset: -0.006 ms

Remote clock offset: 7.129 ms

Below is generated by plot.py at 2019-10-02 22:30:07

Datalink statistics

-- Total of 1 flow:

Average throughput: 91.22 Mbit/s

95th percentile per-packet one-way delay: 64.721 ms

Loss rate: 1.05%

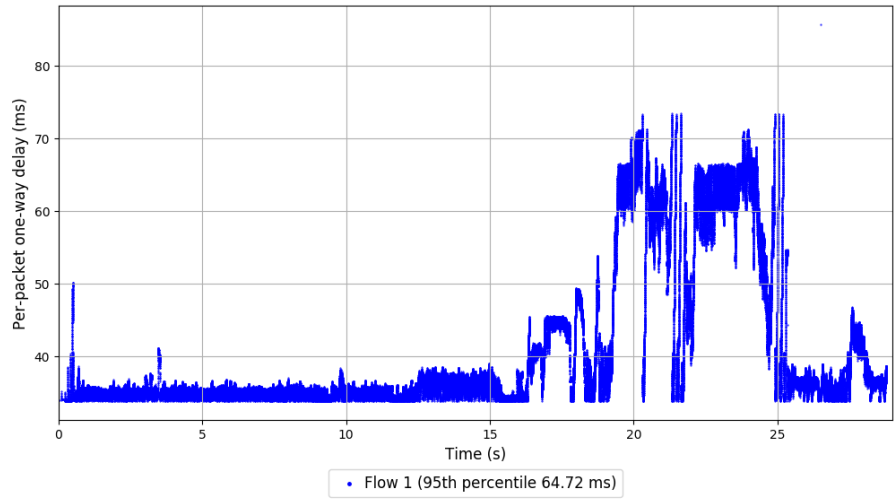
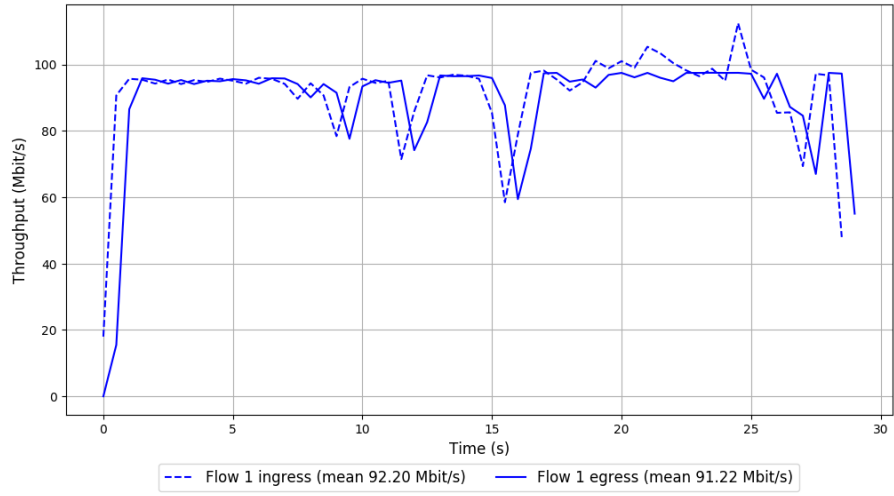
-- Flow 1:

Average throughput: 91.22 Mbit/s

95th percentile per-packet one-way delay: 64.721 ms

Loss rate: 1.05%

Run 5: Report of Indigo-MusesD — Data Link



Run 1: Statistics of Indigo-MuseST

Start at: 2019-10-02 17:40:58

End at: 2019-10-02 17:41:28

Local clock offset: 10.618 ms

Remote clock offset: 7.894 ms

Below is generated by plot.py at 2019-10-02 22:30:54

Datalink statistics

-- Total of 1 flow:

Average throughput: 95.46 Mbit/s

95th percentile per-packet one-way delay: 42.942 ms

Loss rate: 0.53%

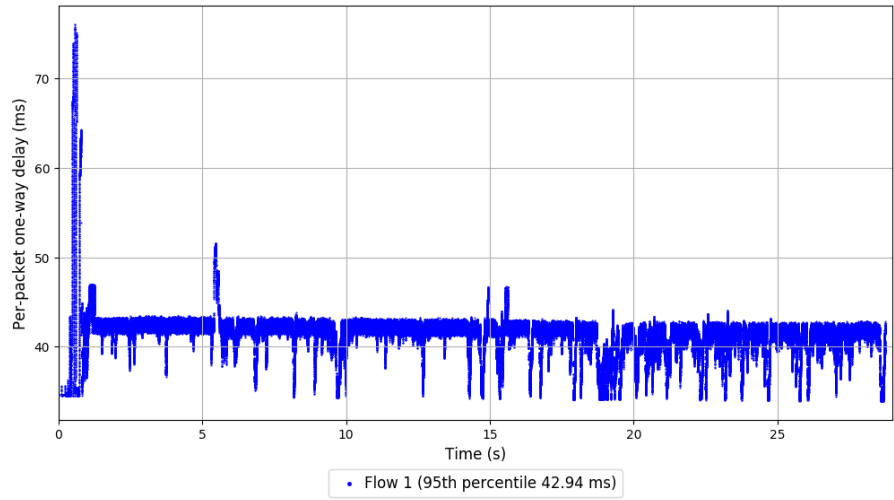
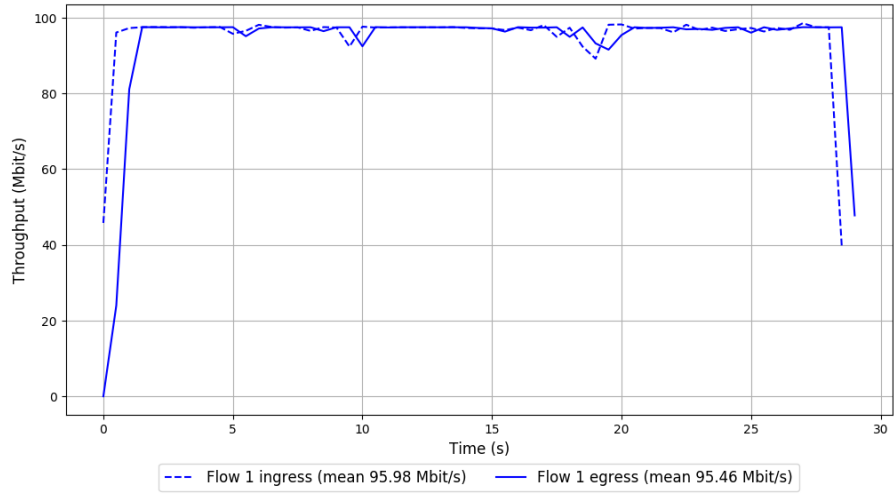
-- Flow 1:

Average throughput: 95.46 Mbit/s

95th percentile per-packet one-way delay: 42.942 ms

Loss rate: 0.53%

Run 1: Report of Indigo-MusesT — Data Link



Run 2: Statistics of Indigo-MusesT

Start at: 2019-10-02 18:38:15

End at: 2019-10-02 18:38:45

Local clock offset: 7.547 ms

Remote clock offset: 7.729 ms

Below is generated by plot.py at 2019-10-02 22:30:55

Datalink statistics

-- Total of 1 flow:

Average throughput: 95.58 Mbit/s

95th percentile per-packet one-way delay: 42.404 ms

Loss rate: 1.70%

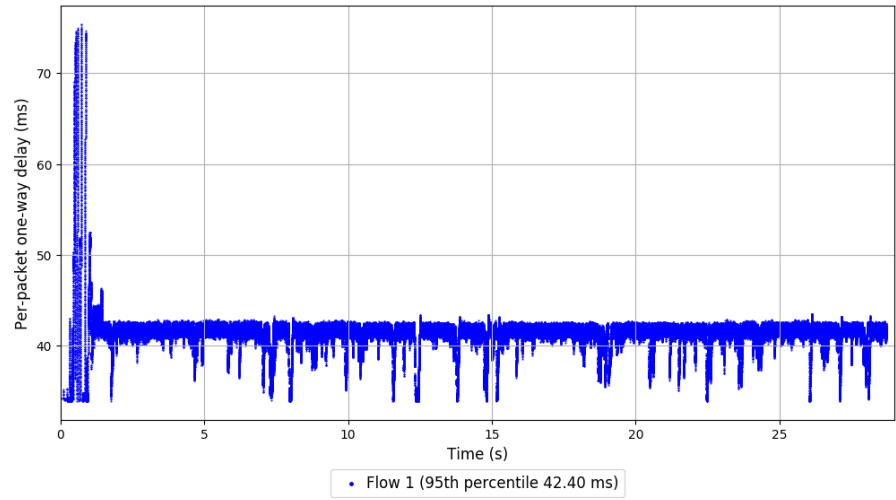
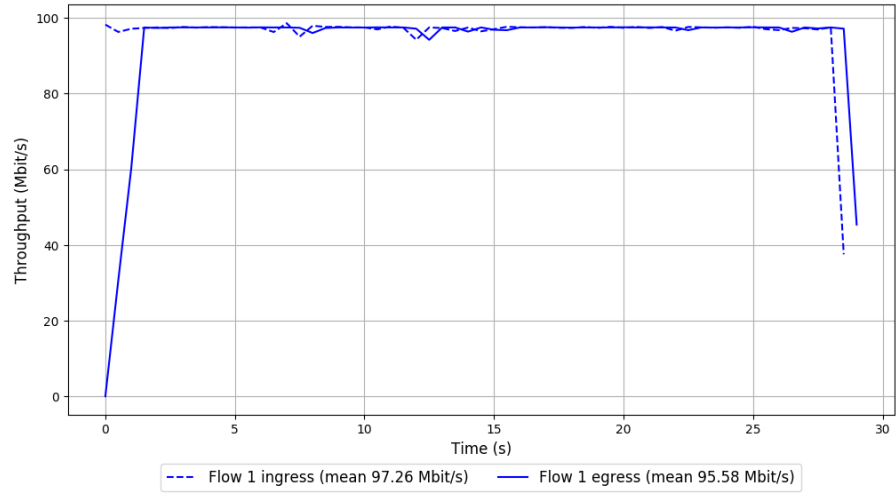
-- Flow 1:

Average throughput: 95.58 Mbit/s

95th percentile per-packet one-way delay: 42.404 ms

Loss rate: 1.70%

Run 2: Report of Indigo-MusesT — Data Link



Run 3: Statistics of Indigo-MusesT

Start at: 2019-10-02 19:42:54

End at: 2019-10-02 19:43:24

Local clock offset: 0.685 ms

Remote clock offset: 7.708 ms

Below is generated by plot.py at 2019-10-02 22:31:00

Datalink statistics

-- Total of 1 flow:

Average throughput: 96.11 Mbit/s

95th percentile per-packet one-way delay: 43.125 ms

Loss rate: 0.51%

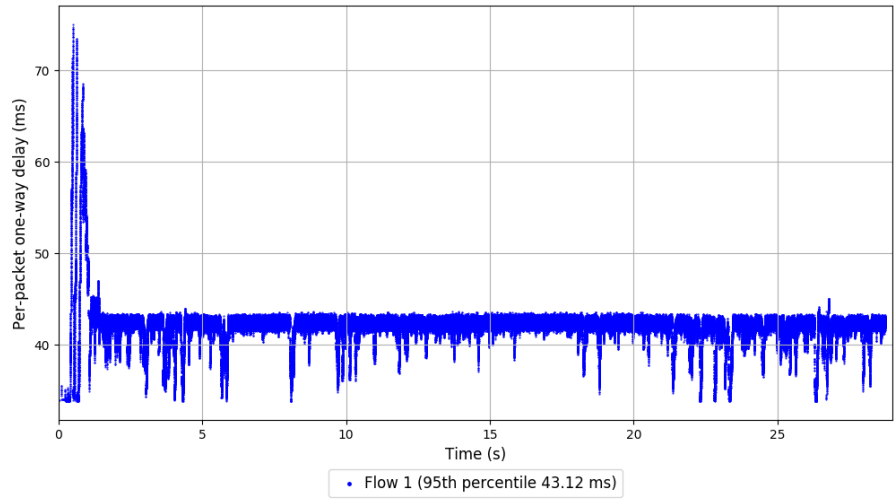
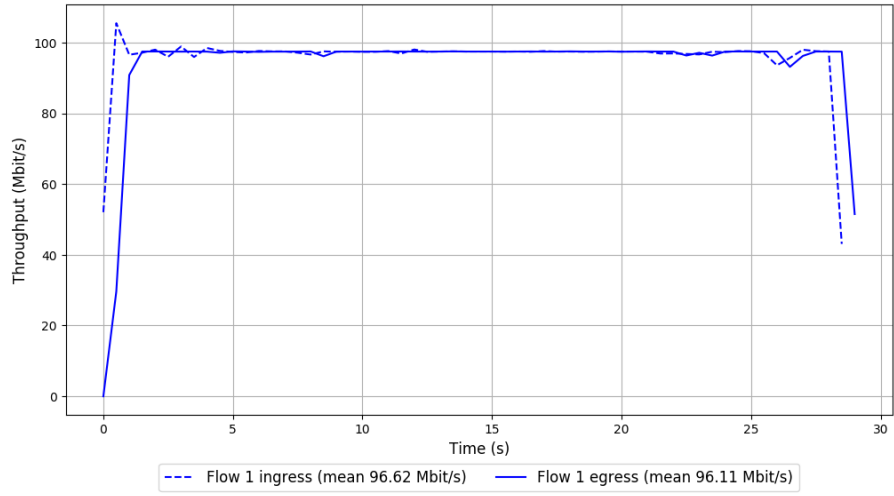
-- Flow 1:

Average throughput: 96.11 Mbit/s

95th percentile per-packet one-way delay: 43.125 ms

Loss rate: 0.51%

Run 3: Report of Indigo-MusesT — Data Link



Run 4: Statistics of Indigo-MuseST

Start at: 2019-10-02 20:41:50

End at: 2019-10-02 20:42:21

Local clock offset: -0.3 ms

Remote clock offset: 7.66 ms

Below is generated by plot.py at 2019-10-02 22:31:01

Datalink statistics

-- Total of 1 flow:

Average throughput: 95.31 Mbit/s

95th percentile per-packet one-way delay: 42.343 ms

Loss rate: 1.23%

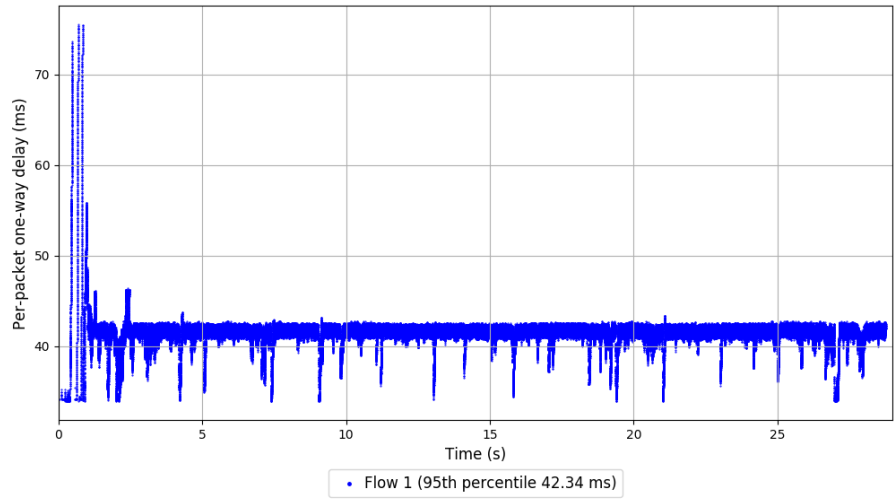
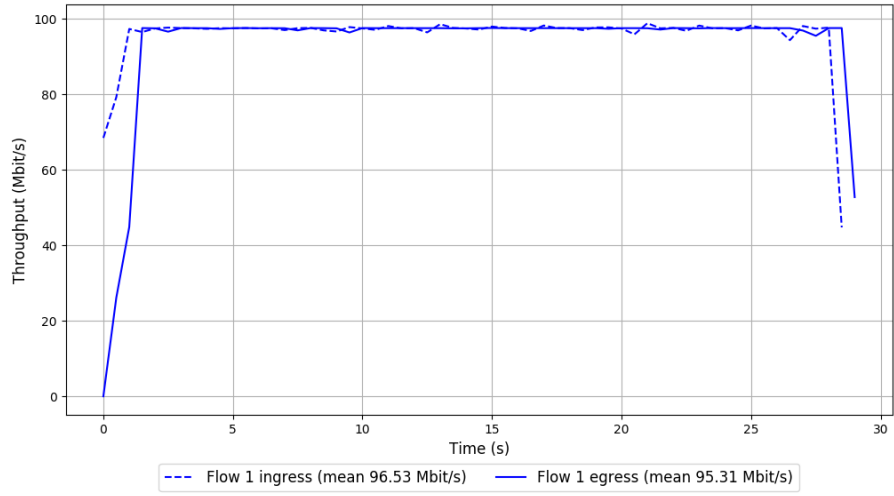
-- Flow 1:

Average throughput: 95.31 Mbit/s

95th percentile per-packet one-way delay: 42.343 ms

Loss rate: 1.23%

Run 4: Report of Indigo-MusesT — Data Link



Run 5: Statistics of Indigo-MuseST

Start at: 2019-10-02 21:38:19

End at: 2019-10-02 21:38:49

Local clock offset: -0.243 ms

Remote clock offset: 7.396 ms

Below is generated by plot.py at 2019-10-02 22:31:03

Datalink statistics

-- Total of 1 flow:

Average throughput: 95.60 Mbit/s

95th percentile per-packet one-way delay: 42.337 ms

Loss rate: 1.25%

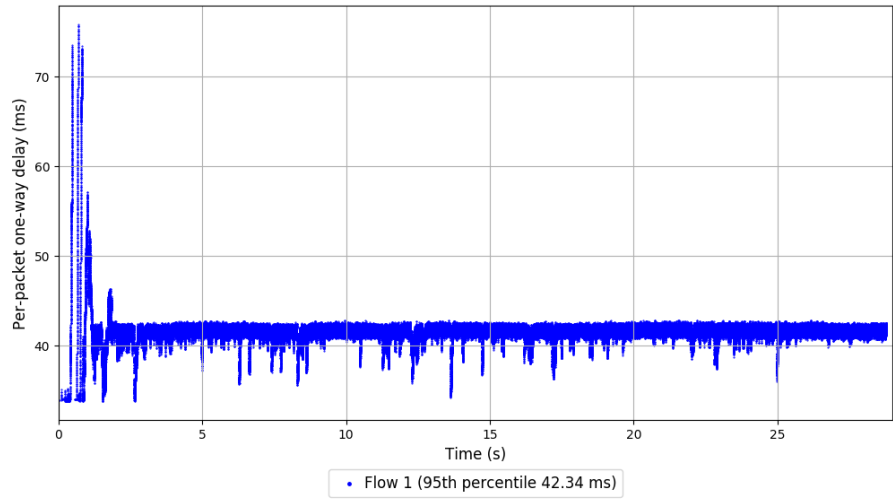
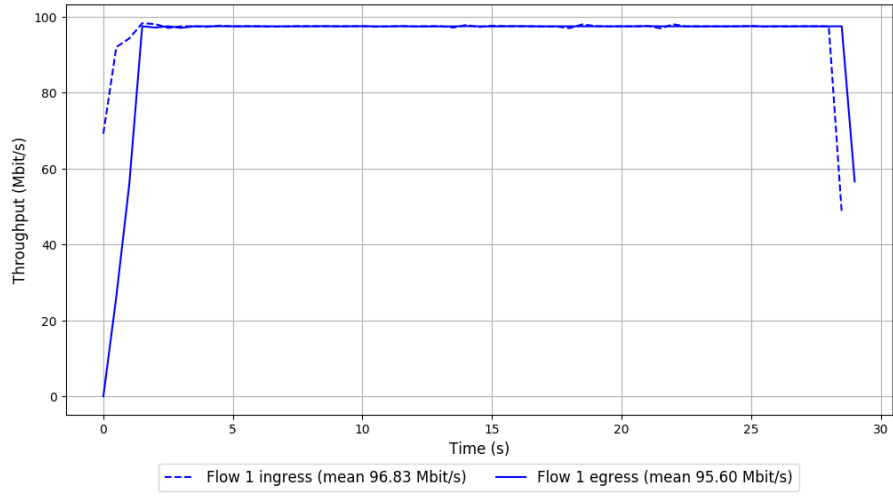
-- Flow 1:

Average throughput: 95.60 Mbit/s

95th percentile per-packet one-way delay: 42.337 ms

Loss rate: 1.25%

Run 5: Report of Indigo-MusesT — Data Link



Run 1: Statistics of LEDBAT

Start at: 2019-10-02 17:55:47

End at: 2019-10-02 17:56:17

Local clock offset: 8.35 ms

Remote clock offset: 7.724 ms

Below is generated by plot.py at 2019-10-02 22:31:03

Datalink statistics

-- Total of 1 flow:

Average throughput: 69.76 Mbit/s

95th percentile per-packet one-way delay: 60.793 ms

Loss rate: 0.00%

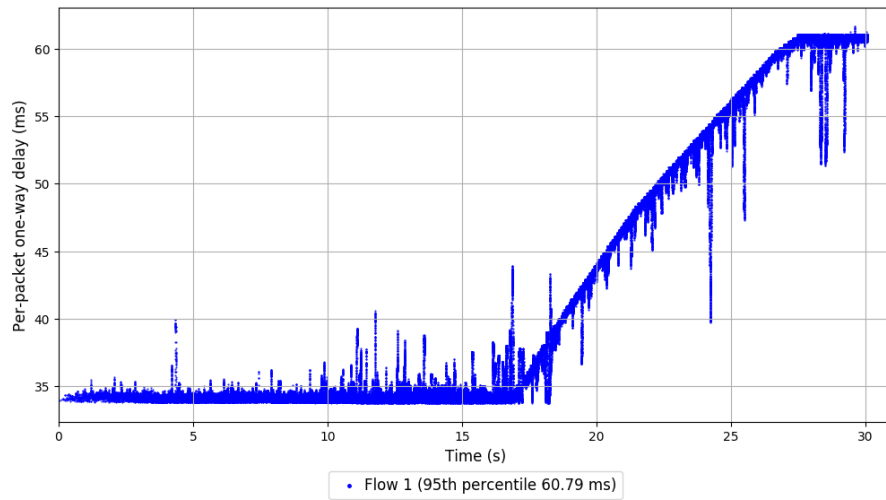
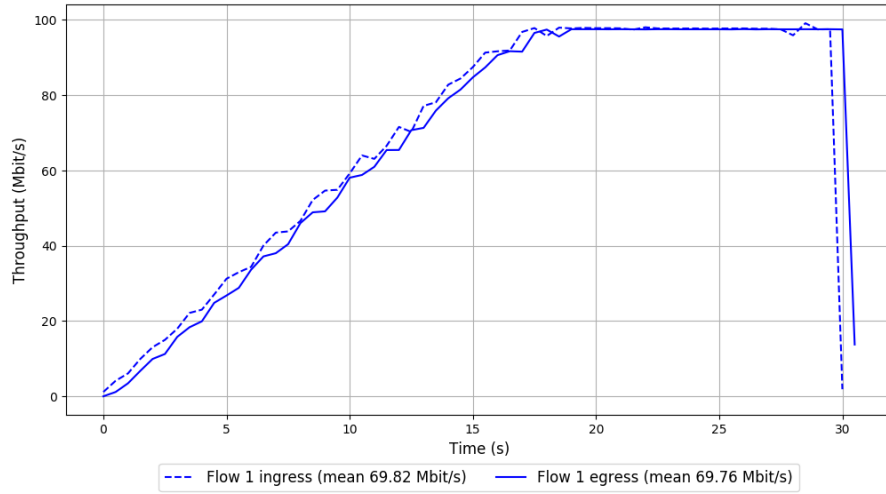
-- Flow 1:

Average throughput: 69.76 Mbit/s

95th percentile per-packet one-way delay: 60.793 ms

Loss rate: 0.00%

Run 1: Report of LEDBAT — Data Link



Run 2: Statistics of LEDBAT

Start at: 2019-10-02 18:50:30

End at: 2019-10-02 18:51:00

Local clock offset: 8.144 ms

Remote clock offset: 7.698 ms

Below is generated by plot.py at 2019-10-02 22:31:03

Datalink statistics

-- Total of 1 flow:

Average throughput: 69.96 Mbit/s

95th percentile per-packet one-way delay: 60.885 ms

Loss rate: 0.00%

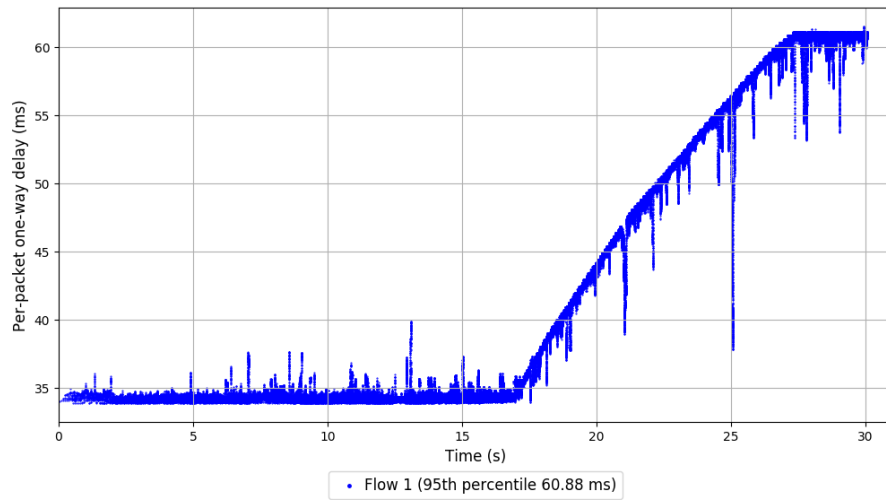
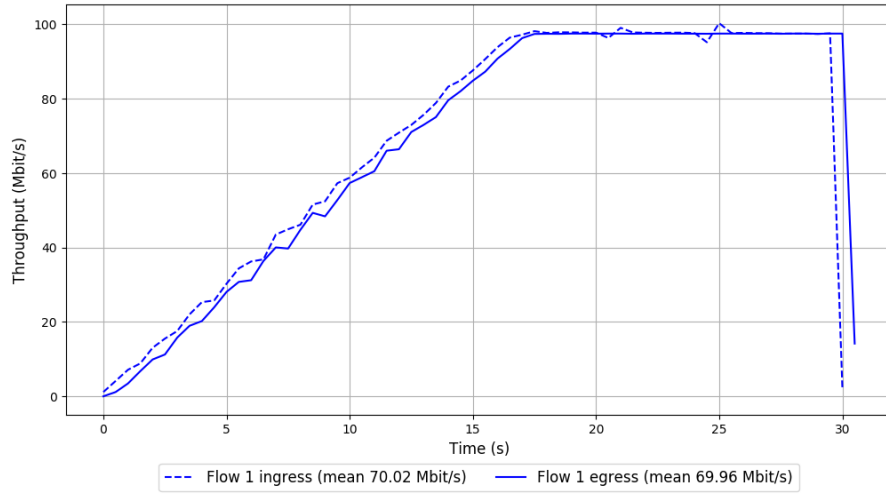
-- Flow 1:

Average throughput: 69.96 Mbit/s

95th percentile per-packet one-way delay: 60.885 ms

Loss rate: 0.00%

Run 2: Report of LEDBAT — Data Link



Run 3: Statistics of LEDBAT

Start at: 2019-10-02 19:52:44

End at: 2019-10-02 19:53:14

Local clock offset: 0.742 ms

Remote clock offset: 7.706 ms

Below is generated by plot.py at 2019-10-02 22:31:03

Datalink statistics

-- Total of 1 flow:

Average throughput: 70.24 Mbit/s

95th percentile per-packet one-way delay: 60.788 ms

Loss rate: 0.00%

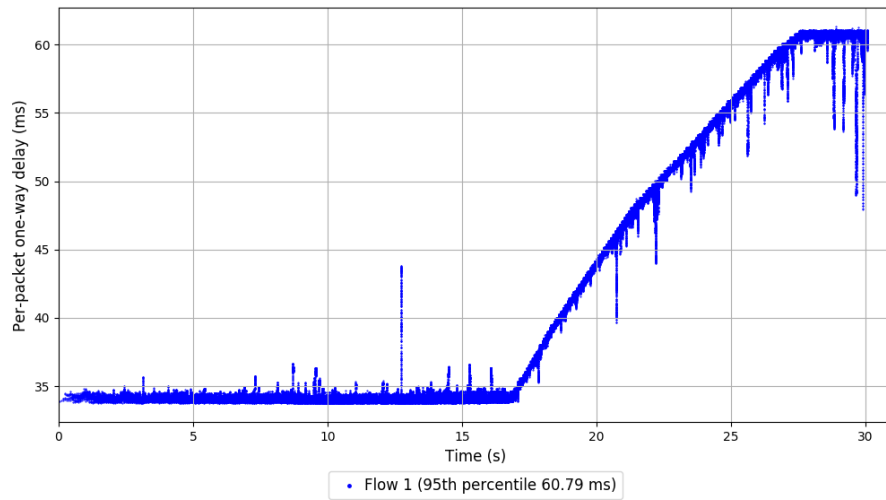
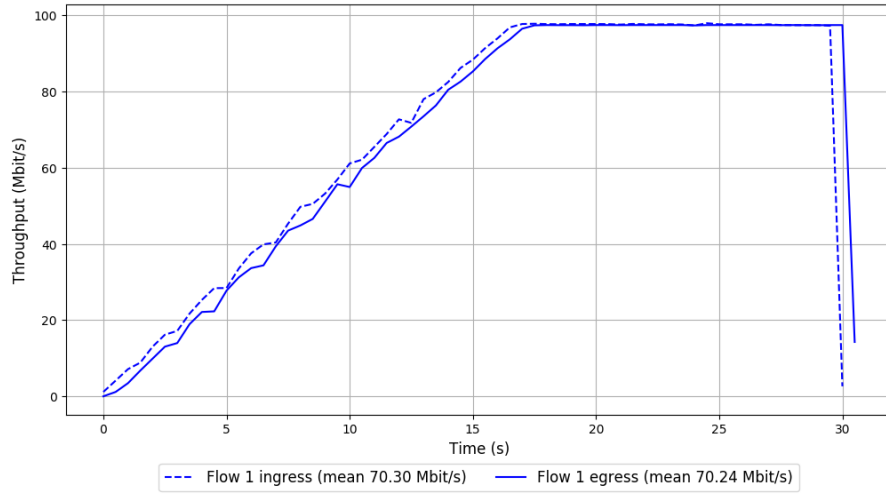
-- Flow 1:

Average throughput: 70.24 Mbit/s

95th percentile per-packet one-way delay: 60.788 ms

Loss rate: 0.00%

Run 3: Report of LEDBAT — Data Link



Run 4: Statistics of LEDBAT

Start at: 2019-10-02 20:52:02

End at: 2019-10-02 20:52:32

Local clock offset: -0.427 ms

Remote clock offset: 7.68 ms

Below is generated by plot.py at 2019-10-02 22:31:30

Datalink statistics

-- Total of 1 flow:

Average throughput: 69.56 Mbit/s

95th percentile per-packet one-way delay: 60.854 ms

Loss rate: 0.00%

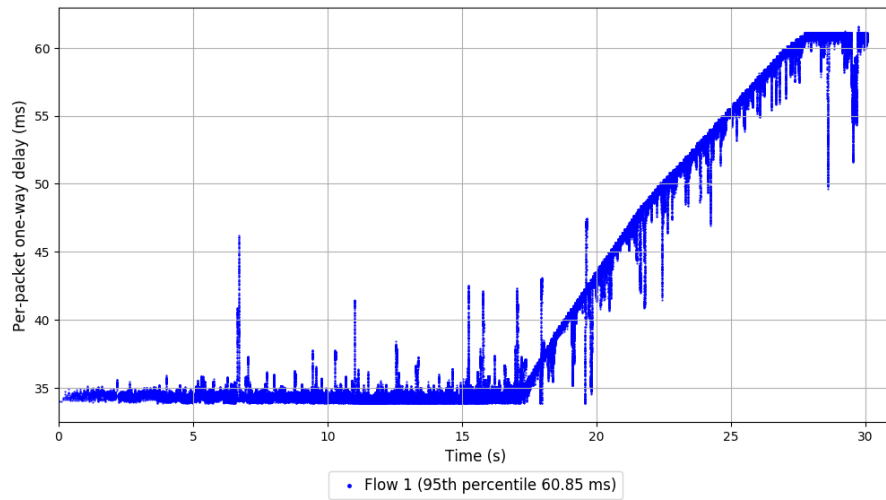
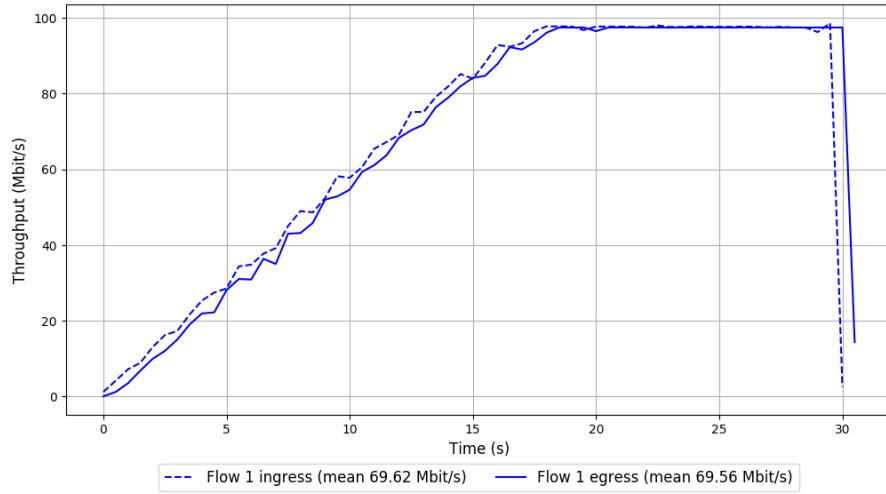
-- Flow 1:

Average throughput: 69.56 Mbit/s

95th percentile per-packet one-way delay: 60.854 ms

Loss rate: 0.00%

Run 4: Report of LEDBAT — Data Link



Run 5: Statistics of LEDBAT

Start at: 2019-10-02 21:48:30

End at: 2019-10-02 21:49:00

Local clock offset: -0.241 ms

Remote clock offset: 7.534 ms

Below is generated by plot.py at 2019-10-02 22:31:39

Datalink statistics

-- Total of 1 flow:

Average throughput: 69.76 Mbit/s

95th percentile per-packet one-way delay: 60.918 ms

Loss rate: 0.00%

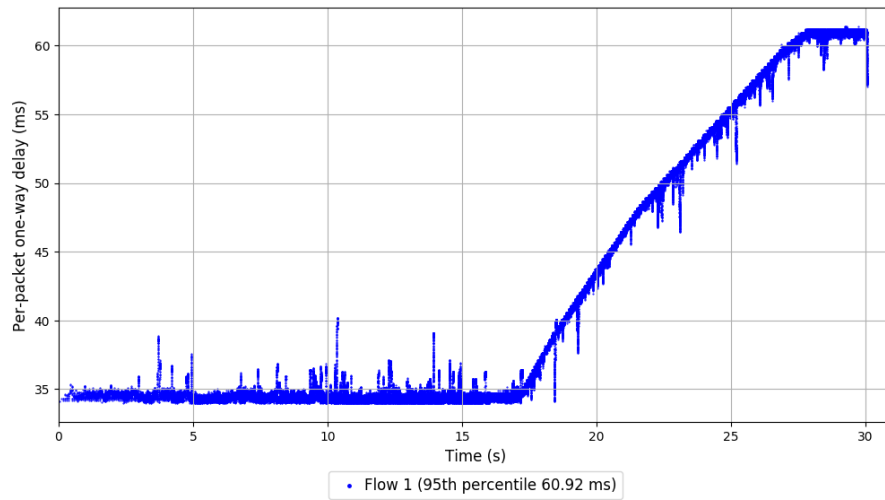
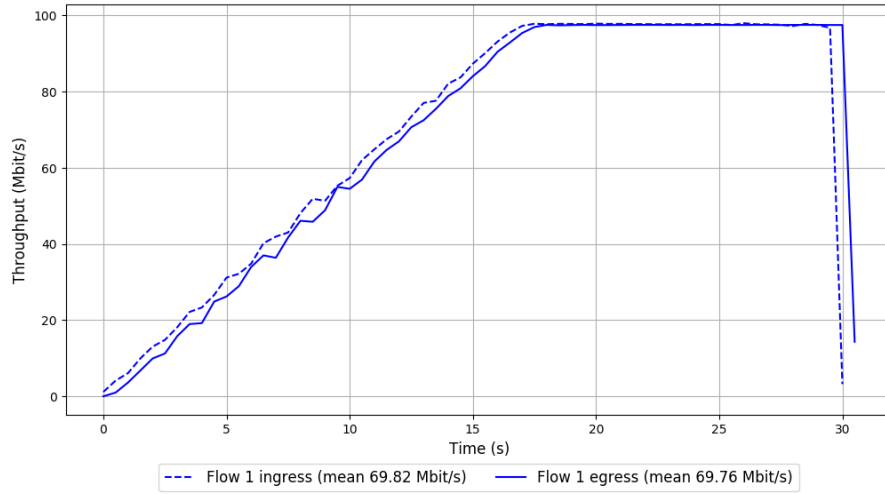
-- Flow 1:

Average throughput: 69.76 Mbit/s

95th percentile per-packet one-way delay: 60.918 ms

Loss rate: 0.00%

Run 5: Report of LEDBAT — Data Link



Run 1: Statistics of Muses_DecisionTree

Start at: 2019-10-02 18:09:05

End at: 2019-10-02 18:09:35

Local clock offset: 8.72 ms

Remote clock offset: 7.756 ms

Below is generated by plot.py at 2019-10-02 22:32:00

Datalink statistics

-- Total of 1 flow:

Average throughput: 92.71 Mbit/s

95th percentile per-packet one-way delay: 40.679 ms

Loss rate: 0.06%

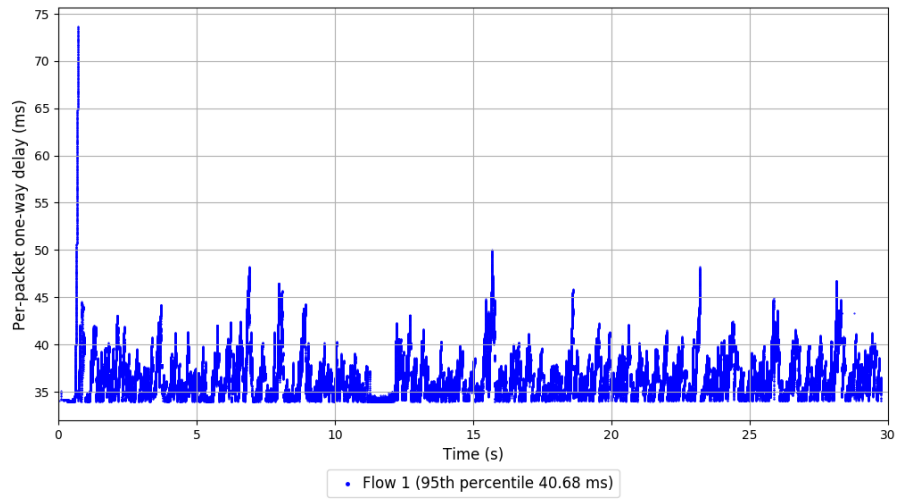
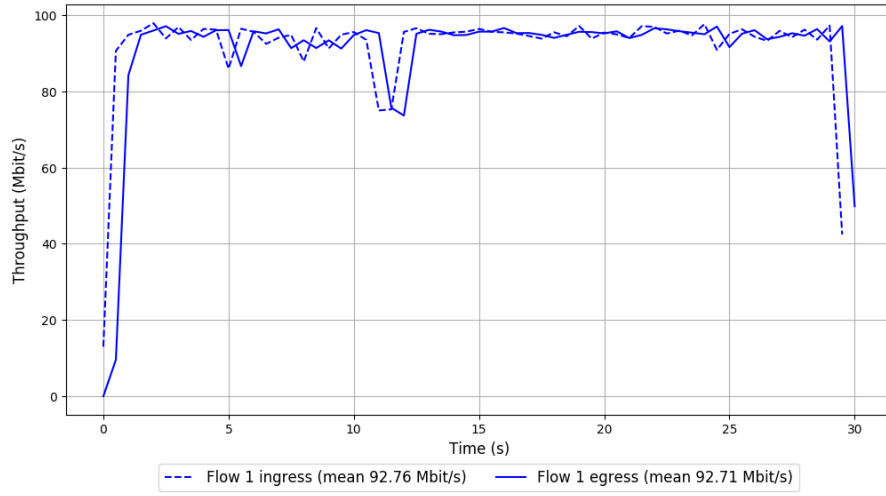
-- Flow 1:

Average throughput: 92.71 Mbit/s

95th percentile per-packet one-way delay: 40.679 ms

Loss rate: 0.06%

Run 1: Report of Muses_DecisionTree — Data Link



Run 2: Statistics of Muses_DecisionTree

Start at: 2019-10-02 19:05:30

End at: 2019-10-02 19:06:00

Local clock offset: 3.054 ms

Remote clock offset: 7.668 ms

Below is generated by plot.py at 2019-10-02 22:32:05

Datalink statistics

-- Total of 1 flow:

Average throughput: 93.04 Mbit/s

95th percentile per-packet one-way delay: 40.061 ms

Loss rate: 0.07%

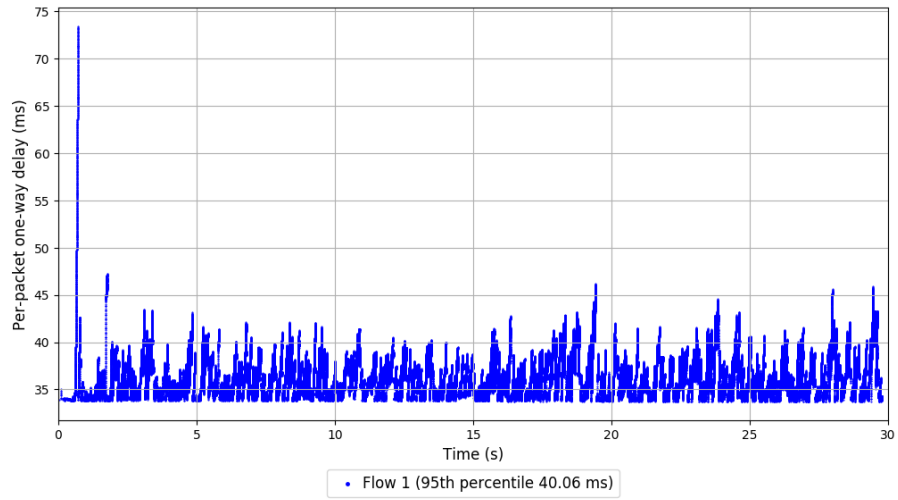
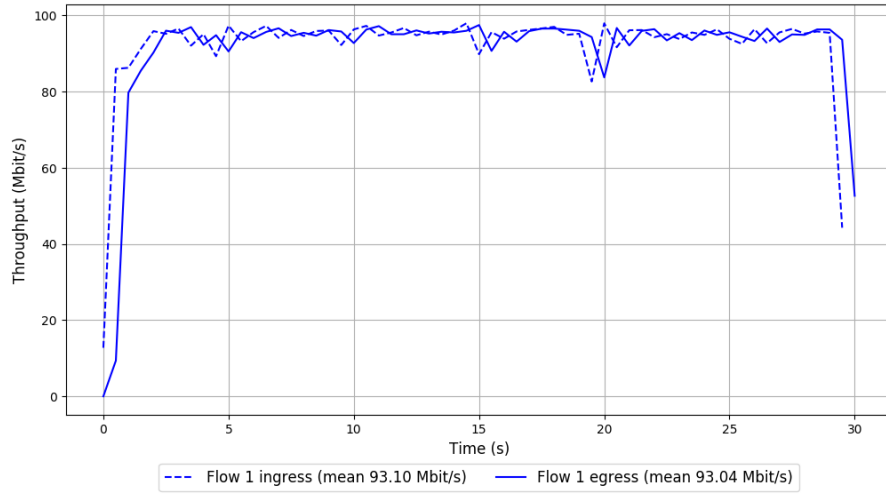
-- Flow 1:

Average throughput: 93.04 Mbit/s

95th percentile per-packet one-way delay: 40.061 ms

Loss rate: 0.07%

Run 2: Report of Muses_DecisionTree — Data Link



Run 3: Statistics of Muses_DecisionTree

Start at: 2019-10-02 20:06:46

End at: 2019-10-02 20:07:16

Local clock offset: 0.323 ms

Remote clock offset: 7.82 ms

Below is generated by plot.py at 2019-10-02 22:32:06

Datalink statistics

-- Total of 1 flow:

Average throughput: 93.77 Mbit/s

95th percentile per-packet one-way delay: 40.438 ms

Loss rate: 0.07%

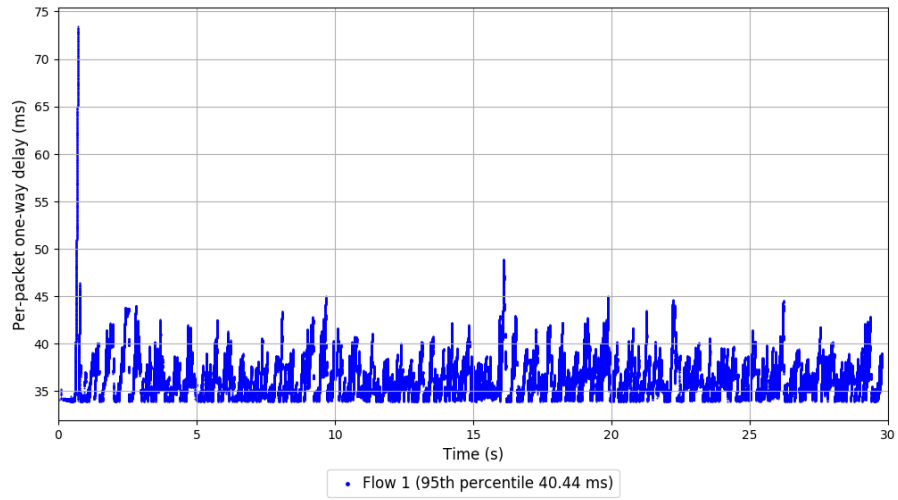
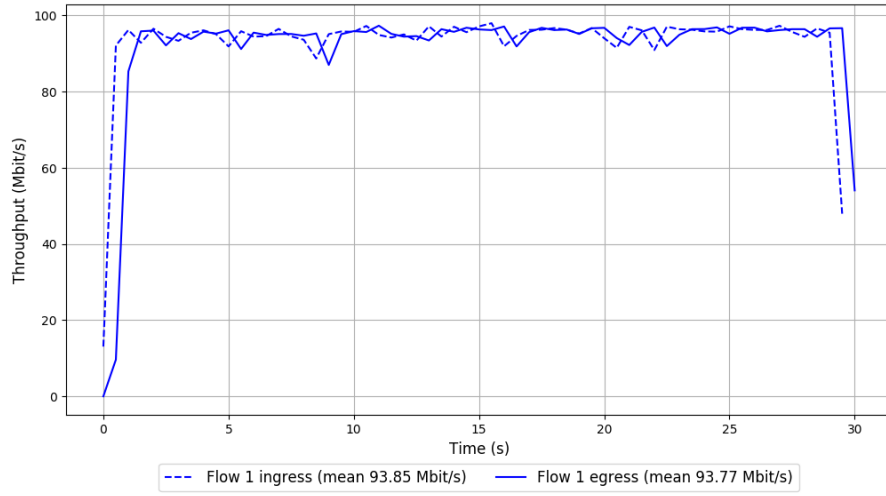
-- Flow 1:

Average throughput: 93.77 Mbit/s

95th percentile per-packet one-way delay: 40.438 ms

Loss rate: 0.07%

Run 3: Report of Muses_DecisionTree — Data Link



Run 4: Statistics of Muses_DecisionTree

Start at: 2019-10-02 21:08:52

End at: 2019-10-02 21:09:22

Local clock offset: -0.287 ms

Remote clock offset: 7.695 ms

Below is generated by plot.py at 2019-10-02 22:32:06

Datalink statistics

-- Total of 1 flow:

Average throughput: 92.17 Mbit/s

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

Loss rate: 0.07%

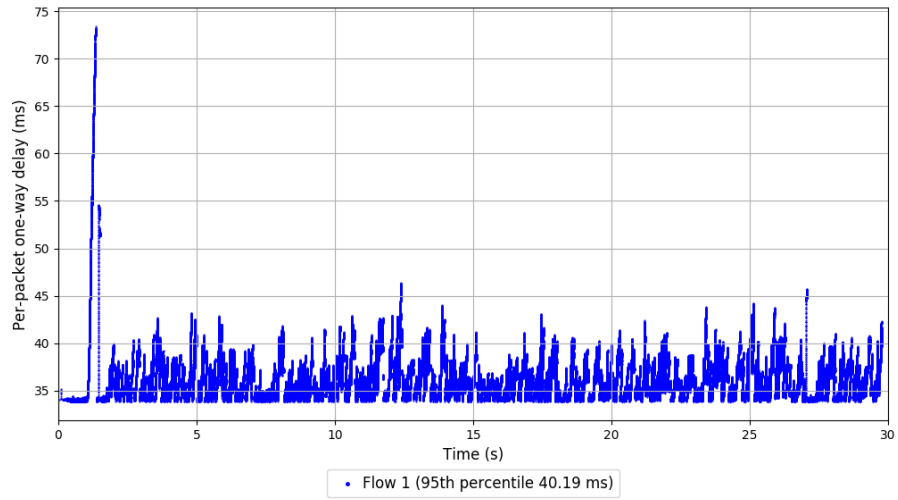
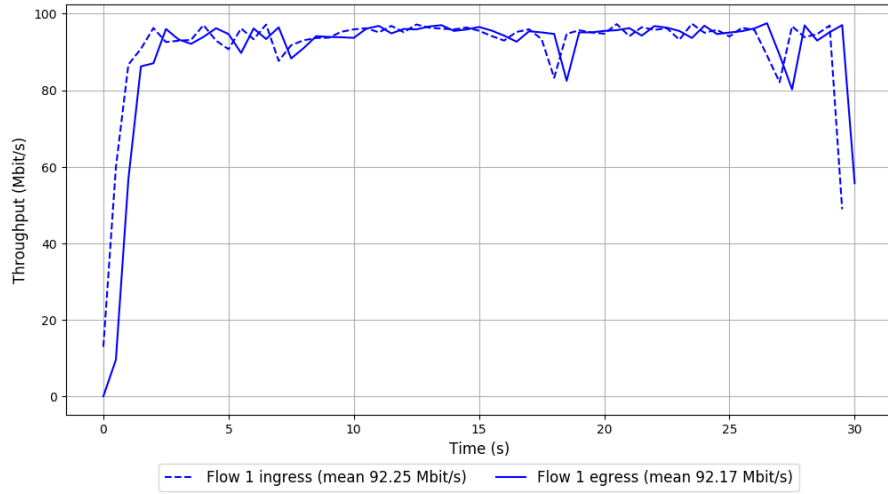
-- Flow 1:

Average throughput: 92.17 Mbit/s

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

Loss rate: 0.07%

Run 4: Report of Muses_DecisionTree — Data Link



Run 5: Statistics of Muses_DecisionTree

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

End at: 2019-10-02 22:03:26

Local clock offset: -0.061 ms

Remote clock offset: 7.245 ms

Below is generated by plot.py at 2019-10-02 22:32:06

Datalink statistics

-- Total of 1 flow:

Average throughput: 78.66 Mbit/s

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

Loss rate: 0.09%

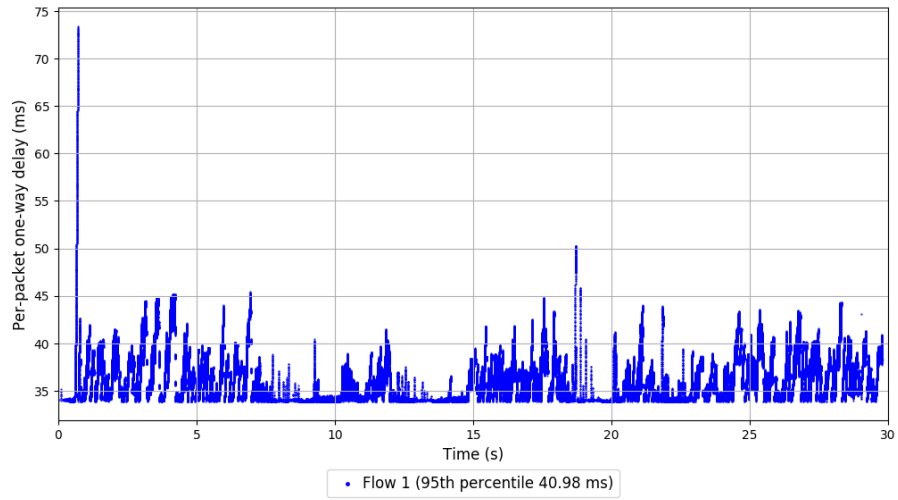
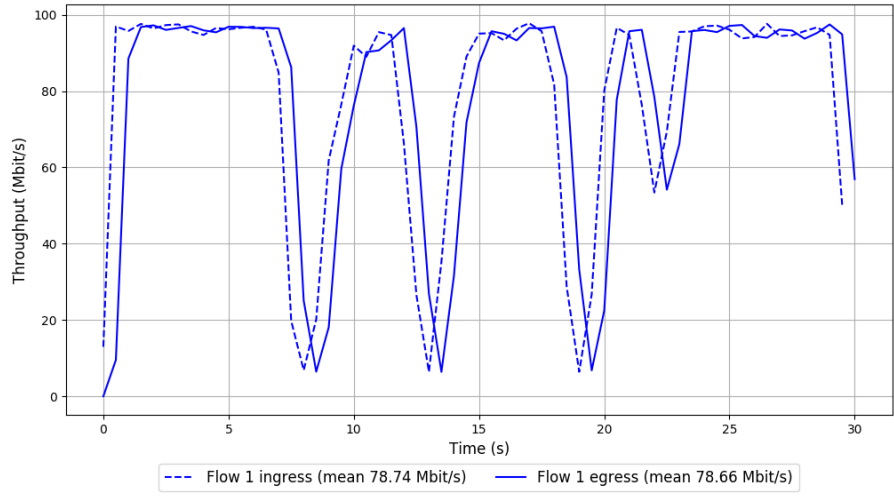
-- Flow 1:

Average throughput: 78.66 Mbit/s

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

Loss rate: 0.09%

Run 5: Report of Muses_DecisionTree — Data Link



Run 1: Statistics of Muses_DecisionTreeH0

Start at: 2019-10-02 18:06:54

End at: 2019-10-02 18:07:24

Local clock offset: 8.353 ms

Remote clock offset: 7.706 ms

Below is generated by plot.py at 2019-10-02 22:32:06

Datalink statistics

-- Total of 1 flow:

Average throughput: 87.64 Mbit/s

95th percentile per-packet one-way delay: 56.909 ms

Loss rate: 2.85%

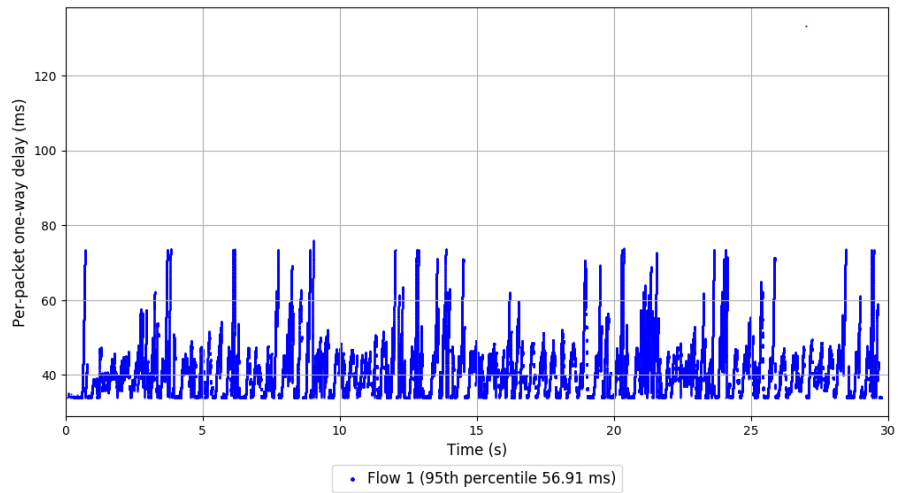
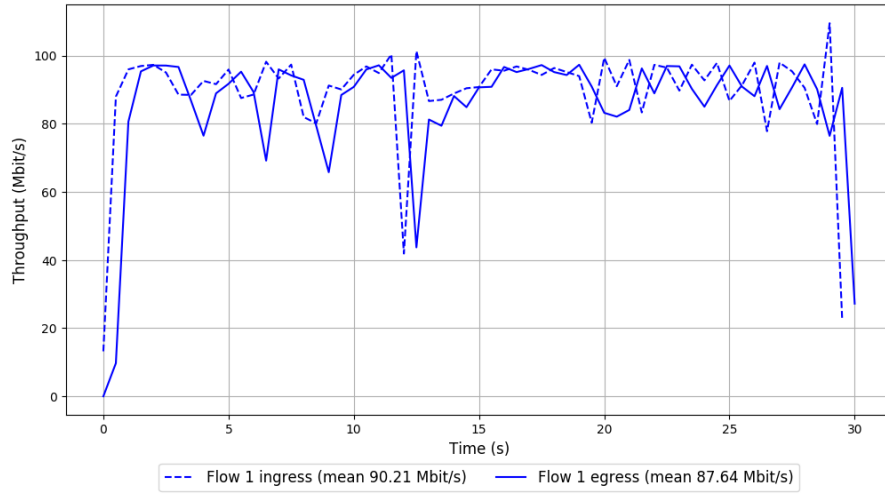
-- Flow 1:

Average throughput: 87.64 Mbit/s

95th percentile per-packet one-way delay: 56.909 ms

Loss rate: 2.85%

Run 1: Report of Muses_DecisionTreeH0 — Data Link



Run 2: Statistics of Muses_DecisionTreeH0

Start at: 2019-10-02 19:02:58

End at: 2019-10-02 19:03:28

Local clock offset: 3.873 ms

Remote clock offset: 7.638 ms

Below is generated by plot.py at 2019-10-02 22:32:33

Datalink statistics

-- Total of 1 flow:

Average throughput: 83.81 Mbit/s

95th percentile per-packet one-way delay: 58.452 ms

Loss rate: 2.73%

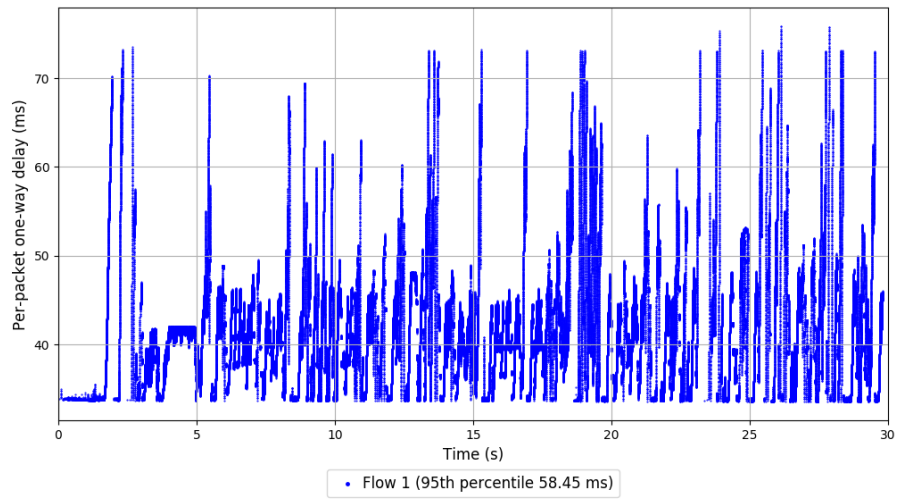
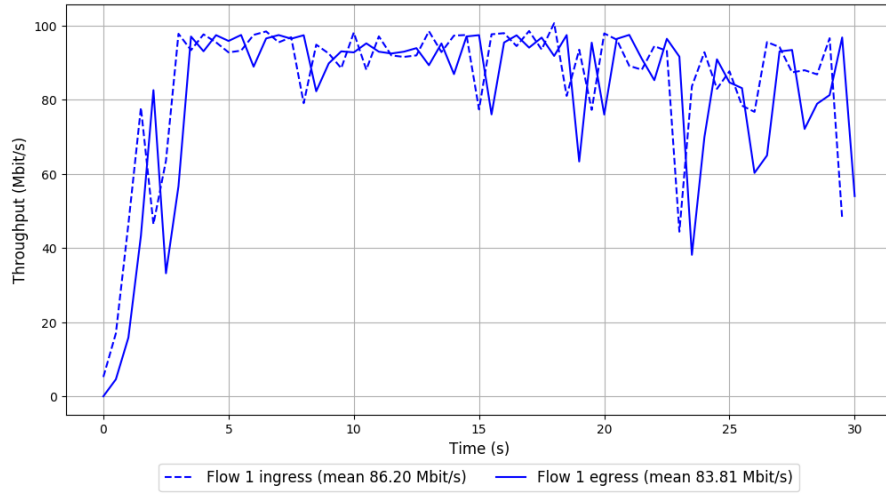
-- Flow 1:

Average throughput: 83.81 Mbit/s

95th percentile per-packet one-way delay: 58.452 ms

Loss rate: 2.73%

Run 2: Report of Muses_DecisionTreeH0 — Data Link



Run 3: Statistics of Muses_DecisionTreeH0

Start at: 2019-10-02 20:03:38

End at: 2019-10-02 20:04:08

Local clock offset: 0.438 ms

Remote clock offset: 7.721 ms

Below is generated by plot.py at 2019-10-02 22:32:44

Datalink statistics

-- Total of 1 flow:

Average throughput: 88.85 Mbit/s

95th percentile per-packet one-way delay: 56.306 ms

Loss rate: 2.12%

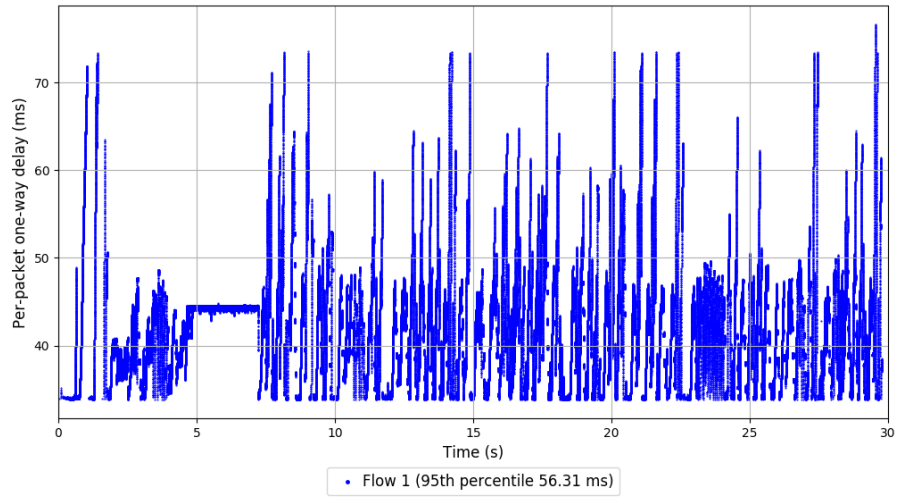
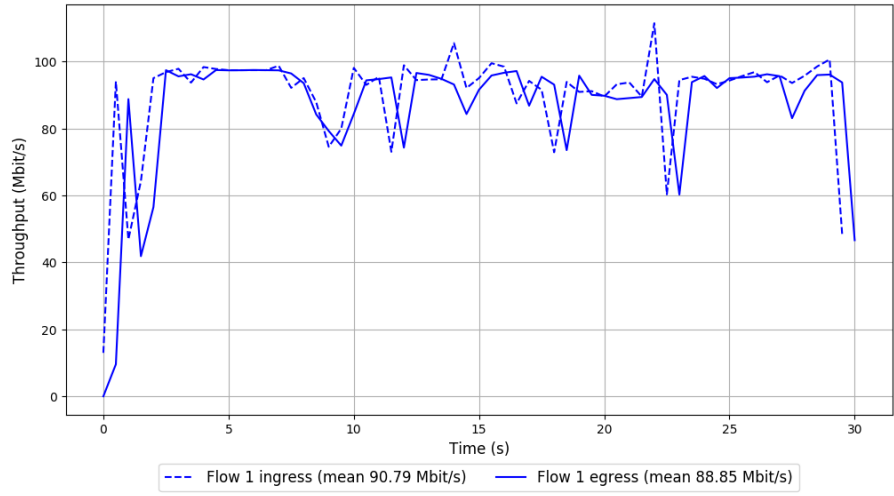
-- Flow 1:

Average throughput: 88.85 Mbit/s

95th percentile per-packet one-way delay: 56.306 ms

Loss rate: 2.12%

Run 3: Report of Muses_DecisionTreeH0 — Data Link



Run 4: Statistics of Muses_DecisionTreeH0

Start at: 2019-10-02 21:05:52

End at: 2019-10-02 21:06:22

Local clock offset: -0.268 ms

Remote clock offset: 7.639 ms

Below is generated by plot.py at 2019-10-02 22:33:01

Datalink statistics

-- Total of 1 flow:

Average throughput: 85.83 Mbit/s

95th percentile per-packet one-way delay: 54.410 ms

Loss rate: 1.12%

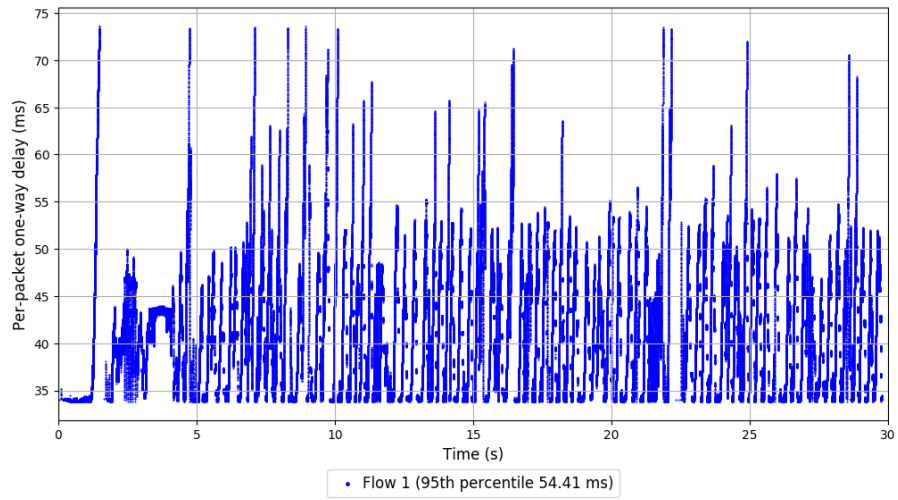
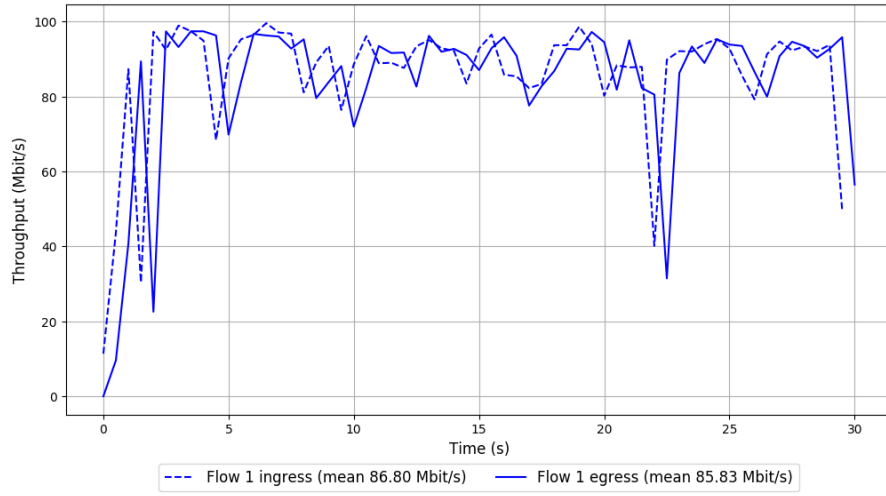
-- Flow 1:

Average throughput: 85.83 Mbit/s

95th percentile per-packet one-way delay: 54.410 ms

Loss rate: 1.12%

Run 4: Report of Muses_DecisionTreeH0 — Data Link



Run 5: Statistics of Muses_DecisionTreeH0

Start at: 2019-10-02 22:00:29

End at: 2019-10-02 22:00:59

Local clock offset: -0.095 ms

Remote clock offset: 7.323 ms

Below is generated by plot.py at 2019-10-02 22:33:04

Datalink statistics

-- Total of 1 flow:

Average throughput: 85.56 Mbit/s

95th percentile per-packet one-way delay: 57.421 ms

Loss rate: 2.77%

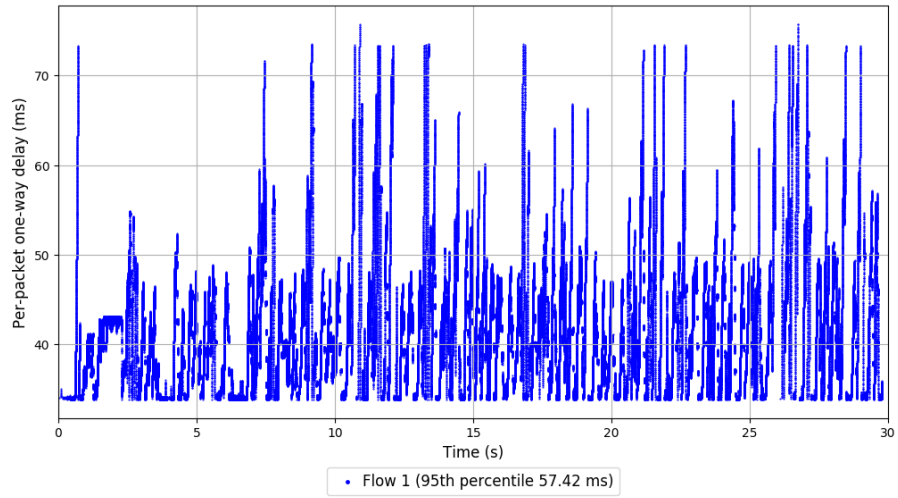
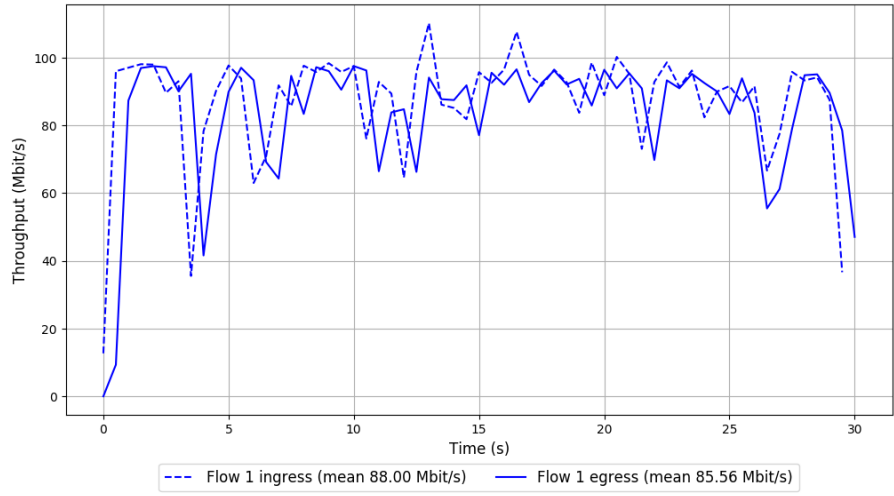
-- Flow 1:

Average throughput: 85.56 Mbit/s

95th percentile per-packet one-way delay: 57.421 ms

Loss rate: 2.77%

Run 5: Report of Muses_DecisionTreeH0 — Data Link



Run 1: Statistics of Muses_DecisionTreeR0

Start at: 2019-10-02 18:14:38

End at: 2019-10-02 18:15:08

Local clock offset: 10.037 ms

Remote clock offset: 7.723 ms

Below is generated by plot.py at 2019-10-02 22:33:13

Datalink statistics

-- Total of 1 flow:

Average throughput: 94.66 Mbit/s

95th percentile per-packet one-way delay: 42.367 ms

Loss rate: 0.07%

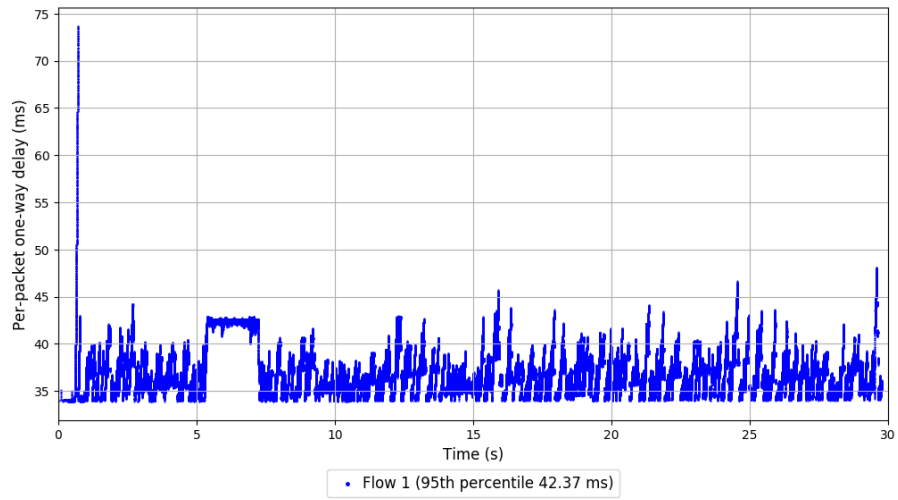
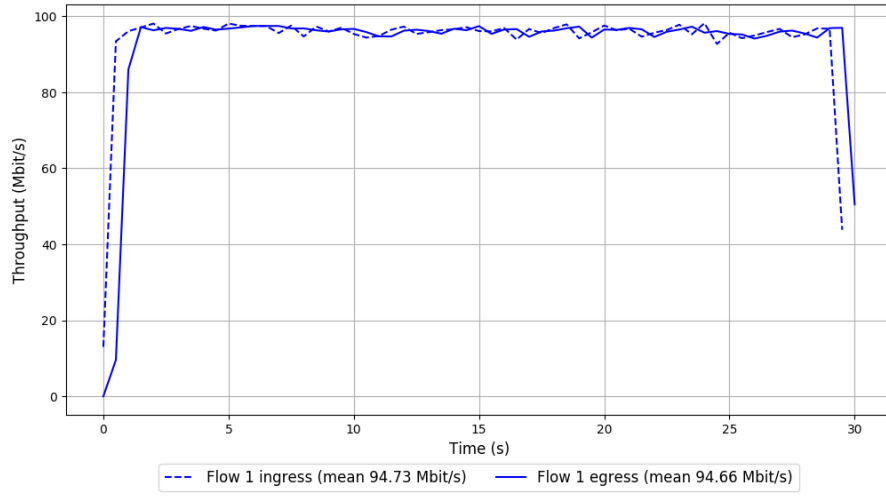
-- Flow 1:

Average throughput: 94.66 Mbit/s

95th percentile per-packet one-way delay: 42.367 ms

Loss rate: 0.07%

Run 1: Report of Muses_DecisionTreeR0 — Data Link



Run 2: Statistics of Muses_DecisionTreeR0

Start at: 2019-10-02 19:13:19

End at: 2019-10-02 19:13:49

Local clock offset: 1.917 ms

Remote clock offset: 7.762 ms

Below is generated by plot.py at 2019-10-02 22:33:13

Datalink statistics

-- Total of 1 flow:

Average throughput: 90.54 Mbit/s

95th percentile per-packet one-way delay: 39.777 ms

Loss rate: 0.00%

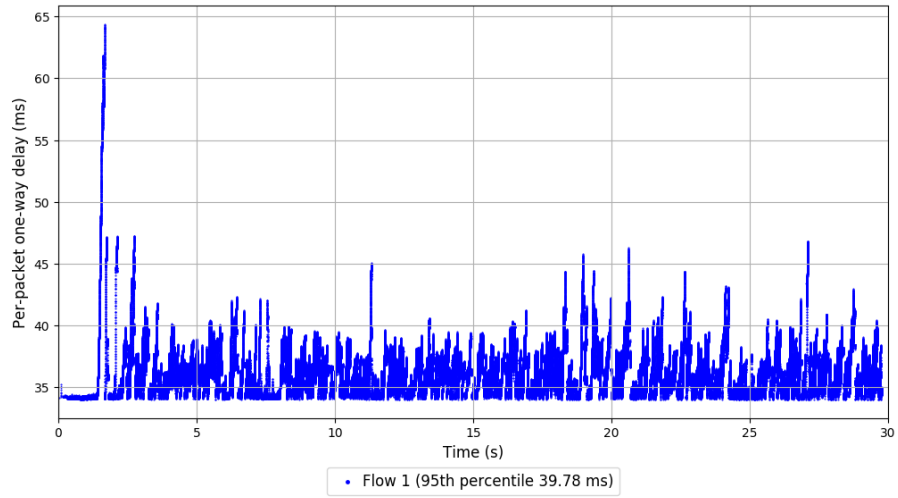
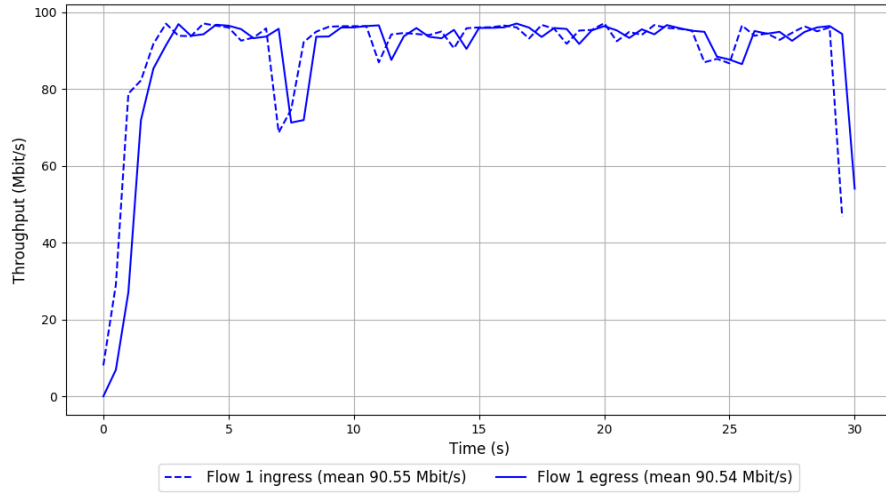
-- Flow 1:

Average throughput: 90.54 Mbit/s

95th percentile per-packet one-way delay: 39.777 ms

Loss rate: 0.00%

Run 2: Report of Muses_DecisionTreeR0 — Data Link



Run 3: Statistics of Muses_DecisionTreeR0

Start at: 2019-10-02 20:15:24

End at: 2019-10-02 20:15:54

Local clock offset: 0.129 ms

Remote clock offset: 7.823 ms

Below is generated by plot.py at 2019-10-02 22:33:13

Datalink statistics

-- Total of 1 flow:

Average throughput: 92.12 Mbit/s

95th percentile per-packet one-way delay: 38.995 ms

Loss rate: 0.03%

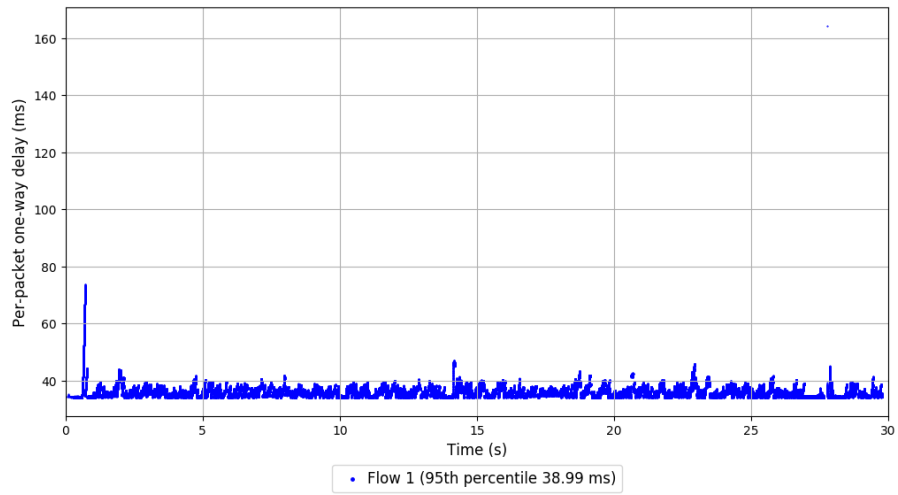
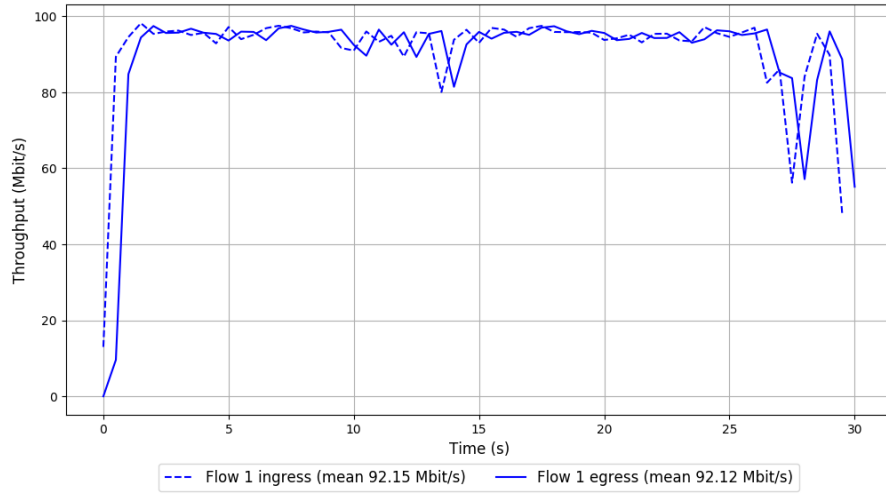
-- Flow 1:

Average throughput: 92.12 Mbit/s

95th percentile per-packet one-way delay: 38.995 ms

Loss rate: 0.03%

Run 3: Report of Muses_DecisionTreeR0 — Data Link



Run 4: Statistics of Muses_DecisionTreeR0

Start at: 2019-10-02 21:16:06

End at: 2019-10-02 21:16:37

Local clock offset: -0.247 ms

Remote clock offset: 7.635 ms

Below is generated by plot.py at 2019-10-02 22:33:13

Datalink statistics

-- Total of 1 flow:

Average throughput: 82.53 Mbit/s

95th percentile per-packet one-way delay: 39.308 ms

Loss rate: 0.14%

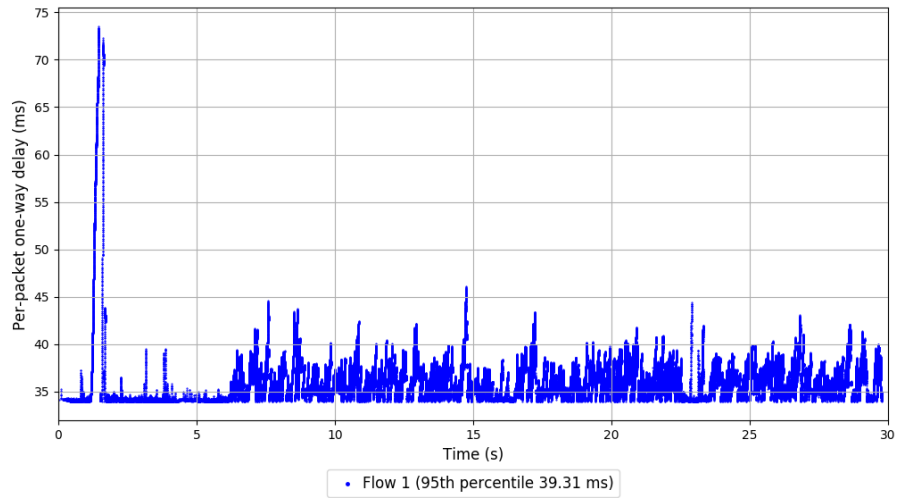
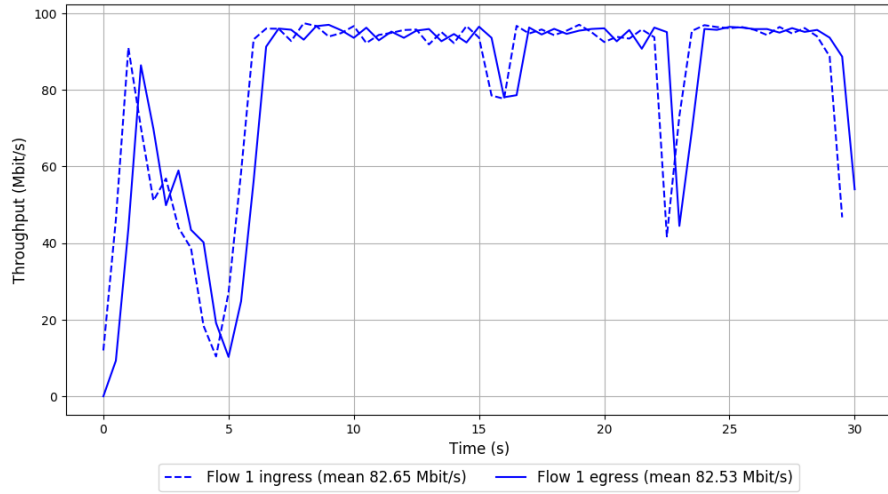
-- Flow 1:

Average throughput: 82.53 Mbit/s

95th percentile per-packet one-way delay: 39.308 ms

Loss rate: 0.14%

Run 4: Report of Muses_DecisionTreeR0 — Data Link



Run 5: Statistics of Muses_DecisionTreeR0

Start at: 2019-10-02 22:10:20

End at: 2019-10-02 22:10:50

Local clock offset: 0.043 ms

Remote clock offset: 7.237 ms

Below is generated by plot.py at 2019-10-02 22:33:47

Datalink statistics

-- Total of 1 flow:

Average throughput: 91.92 Mbit/s

95th percentile per-packet one-way delay: 40.332 ms

Loss rate: 0.00%

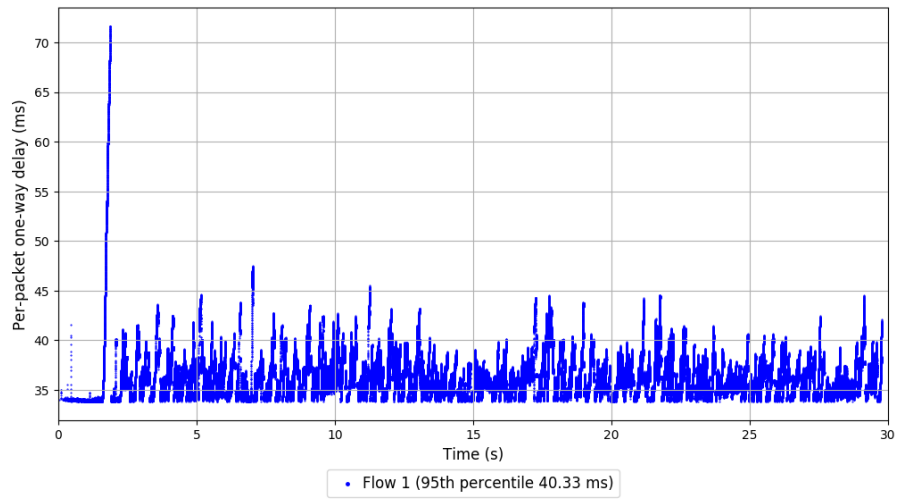
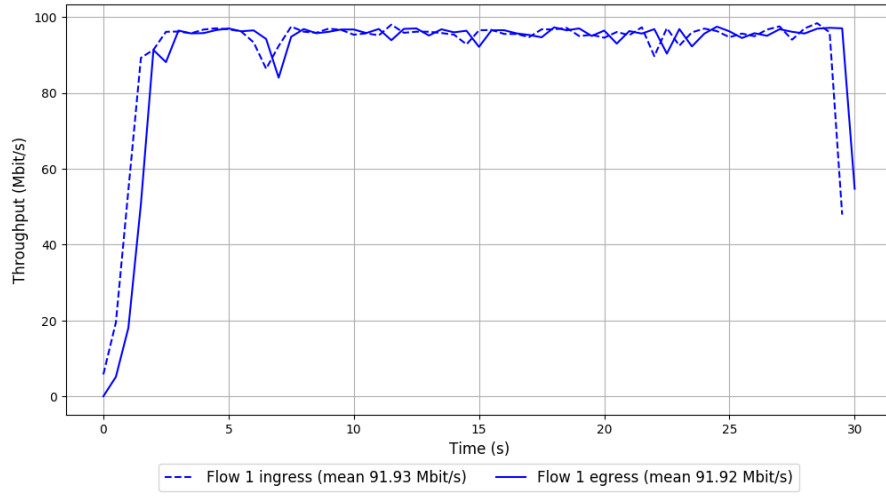
-- Flow 1:

Average throughput: 91.92 Mbit/s

95th percentile per-packet one-way delay: 40.332 ms

Loss rate: 0.00%

Run 5: Report of Muses_DecisionTreeR0 — Data Link



Run 1: Statistics of PCC-Allegro

Start at: 2019-10-02 17:34:45

End at: 2019-10-02 17:35:15

Local clock offset: 6.89 ms

Remote clock offset: 7.626 ms

Below is generated by plot.py at 2019-10-02 22:33:57

Datalink statistics

-- Total of 1 flow:

Average throughput: 90.60 Mbit/s

95th percentile per-packet one-way delay: 40.519 ms

Loss rate: 0.71%

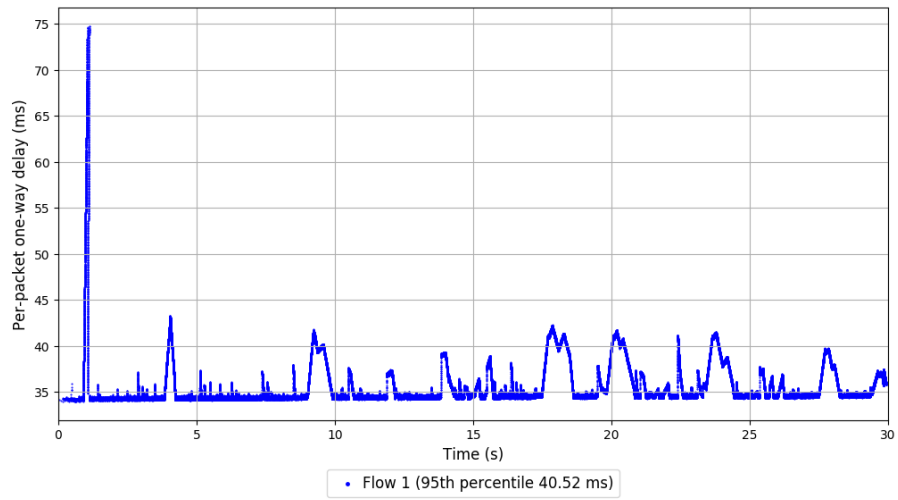
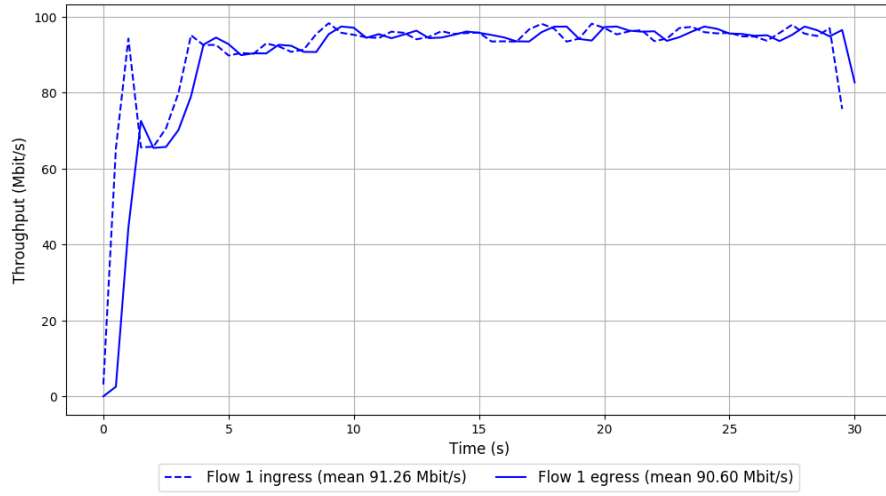
-- Flow 1:

Average throughput: 90.60 Mbit/s

95th percentile per-packet one-way delay: 40.519 ms

Loss rate: 0.71%

Run 1: Report of PCC-Allegro — Data Link



Run 2: Statistics of PCC-Allegro

Start at: 2019-10-02 18:30:45

End at: 2019-10-02 18:31:15

Local clock offset: 9.171 ms

Remote clock offset: 7.603 ms

Below is generated by plot.py at 2019-10-02 22:34:03

Datalink statistics

-- Total of 1 flow:

Average throughput: 83.98 Mbit/s

95th percentile per-packet one-way delay: 37.071 ms

Loss rate: 0.82%

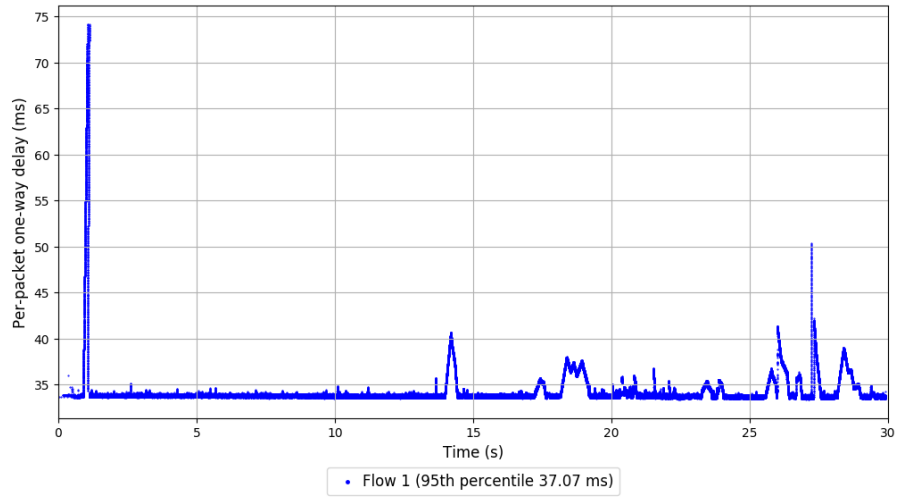
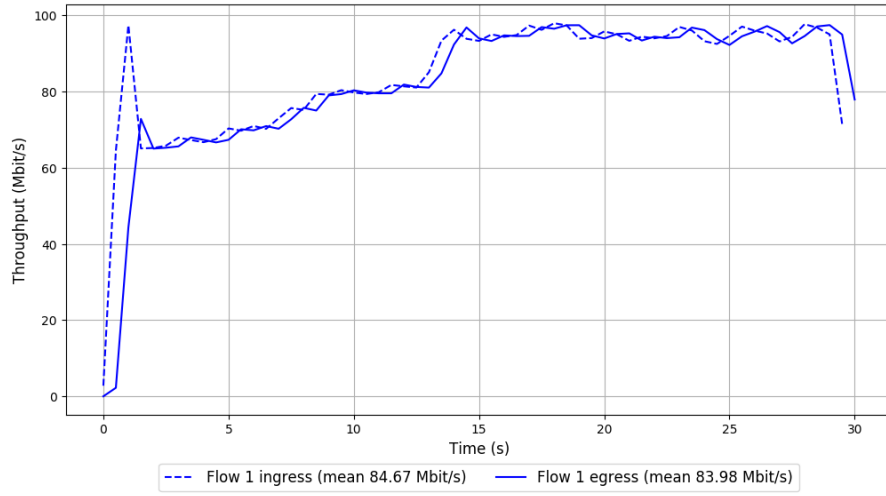
-- Flow 1:

Average throughput: 83.98 Mbit/s

95th percentile per-packet one-way delay: 37.071 ms

Loss rate: 0.82%

Run 2: Report of PCC-Allegro — Data Link



Run 3: Statistics of PCC-Allegro

Start at: 2019-10-02 19:36:11

End at: 2019-10-02 19:36:41

Local clock offset: 0.724 ms

Remote clock offset: 7.714 ms

Below is generated by plot.py at 2019-10-02 22:34:07

Datalink statistics

-- Total of 1 flow:

Average throughput: 86.27 Mbit/s

95th percentile per-packet one-way delay: 36.120 ms

Loss rate: 1.00%

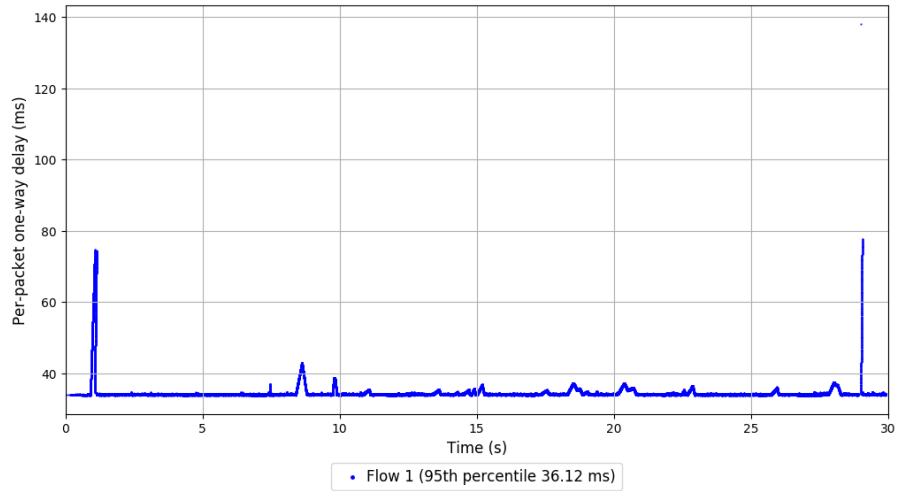
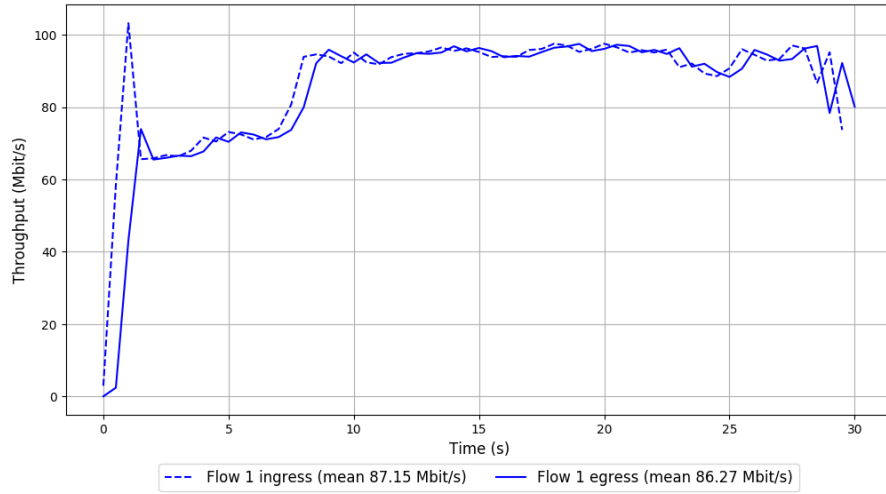
-- Flow 1:

Average throughput: 86.27 Mbit/s

95th percentile per-packet one-way delay: 36.120 ms

Loss rate: 1.00%

Run 3: Report of PCC-Allegro — Data Link



Run 4: Statistics of PCC-Allegro

Start at: 2019-10-02 20:33:49

End at: 2019-10-02 20:34:19

Local clock offset: -0.177 ms

Remote clock offset: 7.697 ms

Below is generated by plot.py at 2019-10-02 22:34:12

Datalink statistics

-- Total of 1 flow:

Average throughput: 84.53 Mbit/s

95th percentile per-packet one-way delay: 36.476 ms

Loss rate: 0.76%

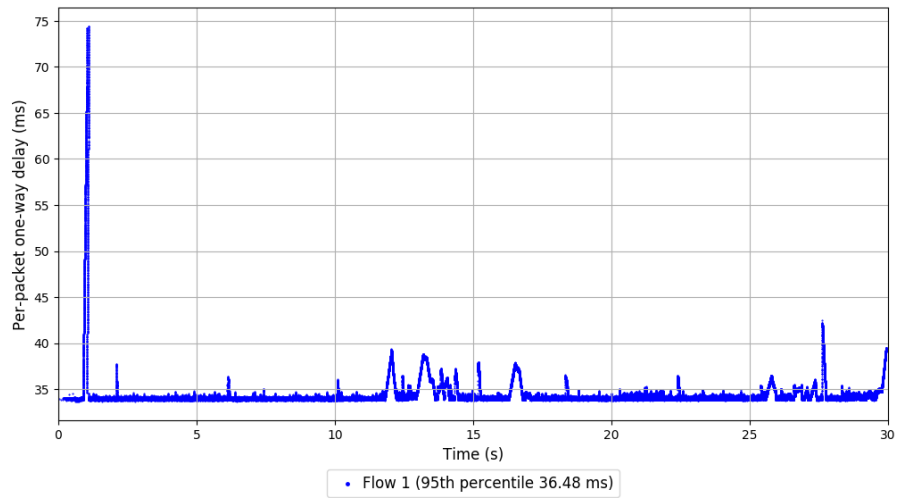
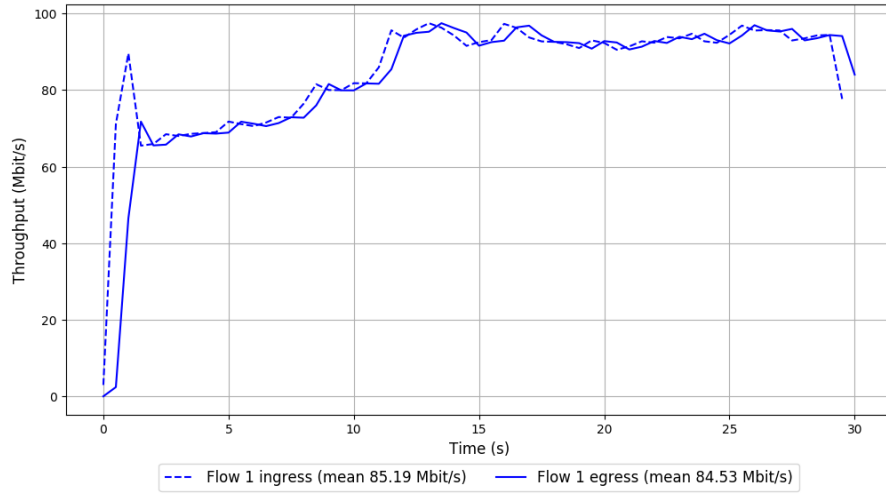
-- Flow 1:

Average throughput: 84.53 Mbit/s

95th percentile per-packet one-way delay: 36.476 ms

Loss rate: 0.76%

Run 4: Report of PCC-Allegro — Data Link



Run 5: Statistics of PCC-Allegro

Start at: 2019-10-02 21:31:17

End at: 2019-10-02 21:31:47

Local clock offset: -0.251 ms

Remote clock offset: 7.41 ms

Below is generated by plot.py at 2019-10-02 22:34:16

Datalink statistics

-- Total of 1 flow:

Average throughput: 85.08 Mbit/s

95th percentile per-packet one-way delay: 41.824 ms

Loss rate: 0.76%

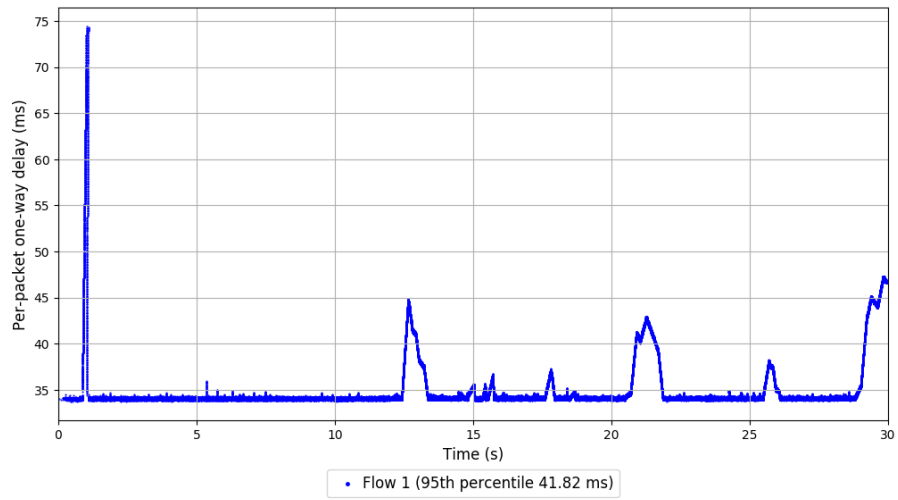
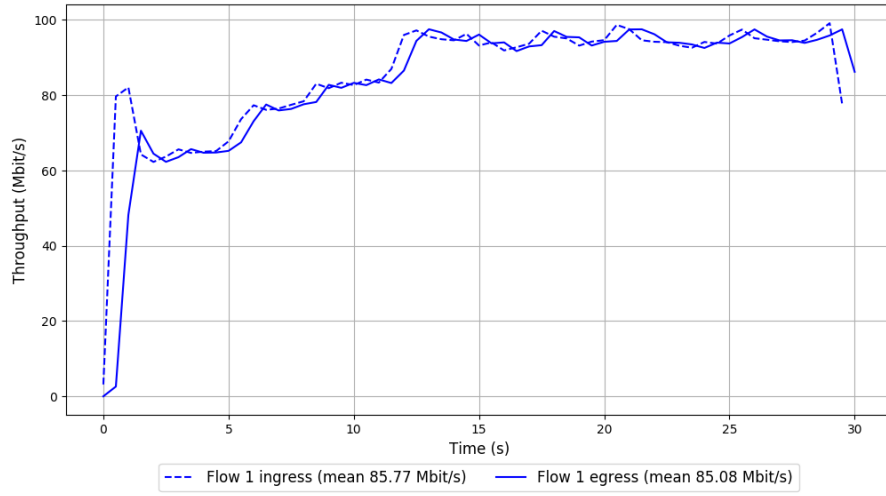
-- Flow 1:

Average throughput: 85.08 Mbit/s

95th percentile per-packet one-way delay: 41.824 ms

Loss rate: 0.76%

Run 5: Report of PCC-Allegro — Data Link



Run 1: Statistics of PCC-Expr

Start at: 2019-10-02 18:18:14

End at: 2019-10-02 18:18:44

Local clock offset: 11.029 ms

Remote clock offset: 7.67 ms

Below is generated by plot.py at 2019-10-02 22:34:16

Datalink statistics

-- Total of 1 flow:

Average throughput: 12.97 Mbit/s

95th percentile per-packet one-way delay: 34.265 ms

Loss rate: 44.42%

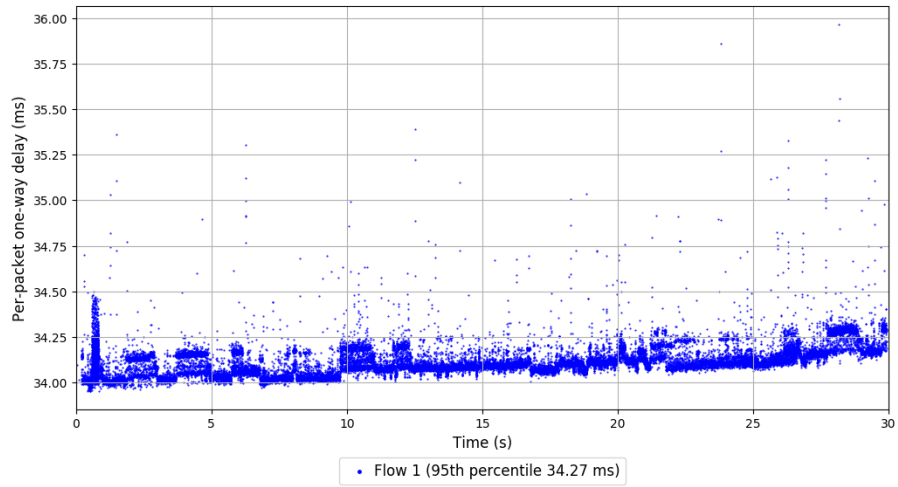
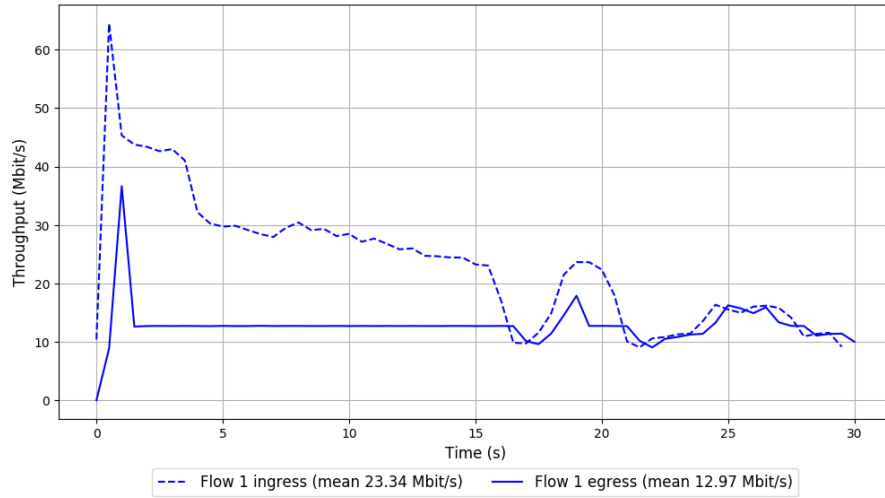
-- Flow 1:

Average throughput: 12.97 Mbit/s

95th percentile per-packet one-way delay: 34.265 ms

Loss rate: 44.42%

Run 1: Report of PCC-Expr — Data Link



Run 2: Statistics of PCC-Expr

Start at: 2019-10-02 19:18:28

End at: 2019-10-02 19:18:58

Local clock offset: 1.69 ms

Remote clock offset: 7.65 ms

Below is generated by plot.py at 2019-10-02 22:34:16

Datalink statistics

-- Total of 1 flow:

Average throughput: 13.06 Mbit/s

95th percentile per-packet one-way delay: 34.091 ms

Loss rate: 31.61%

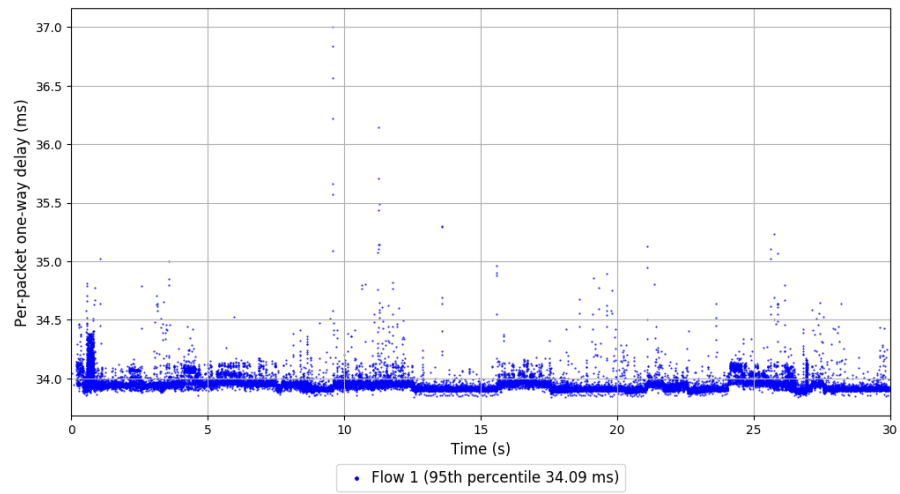
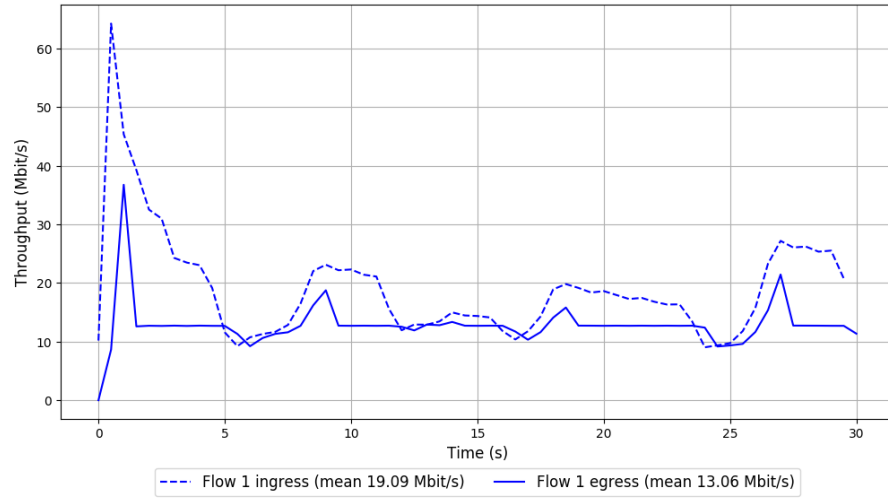
-- Flow 1:

Average throughput: 13.06 Mbit/s

95th percentile per-packet one-way delay: 34.091 ms

Loss rate: 31.61%

Run 2: Report of PCC-Expr — Data Link



Run 3: Statistics of PCC-Expr

Start at: 2019-10-02 20:20:25

End at: 2019-10-02 20:20:55

Local clock offset: 0.02 ms

Remote clock offset: 7.751 ms

Below is generated by plot.py at 2019-10-02 22:34:16

Datalink statistics

-- Total of 1 flow:

Average throughput: 13.06 Mbit/s

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

Loss rate: 37.16%

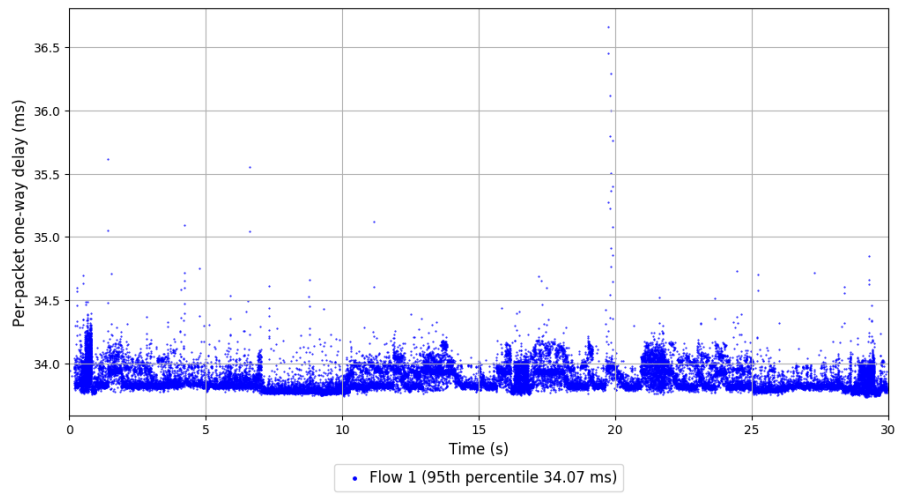
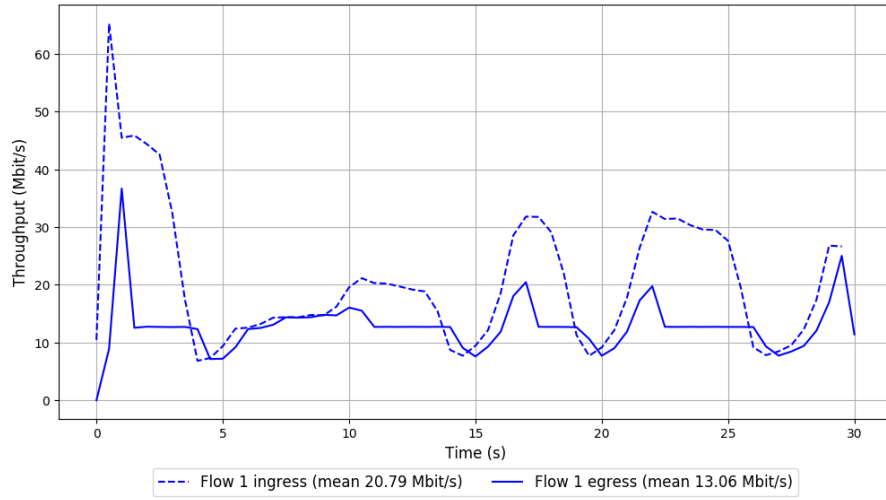
-- Flow 1:

Average throughput: 13.06 Mbit/s

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

Loss rate: 37.16%

Run 3: Report of PCC-Expr — Data Link



Run 4: Statistics of PCC-Expr

Start at: 2019-10-02 21:19:49

End at: 2019-10-02 21:20:19

Local clock offset: -0.26 ms

Remote clock offset: 7.644 ms

Below is generated by plot.py at 2019-10-02 22:34:16

Datalink statistics

-- Total of 1 flow:

Average throughput: 12.70 Mbit/s

95th percentile per-packet one-way delay: 34.156 ms

Loss rate: 45.89%

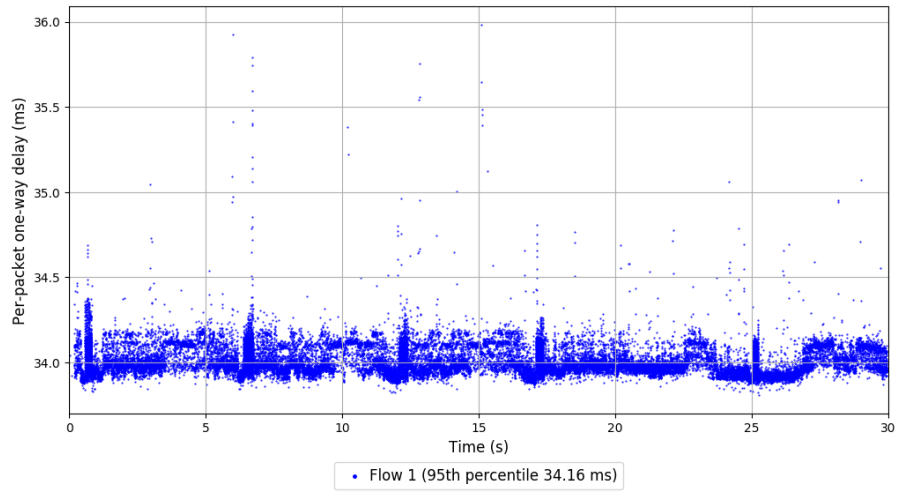
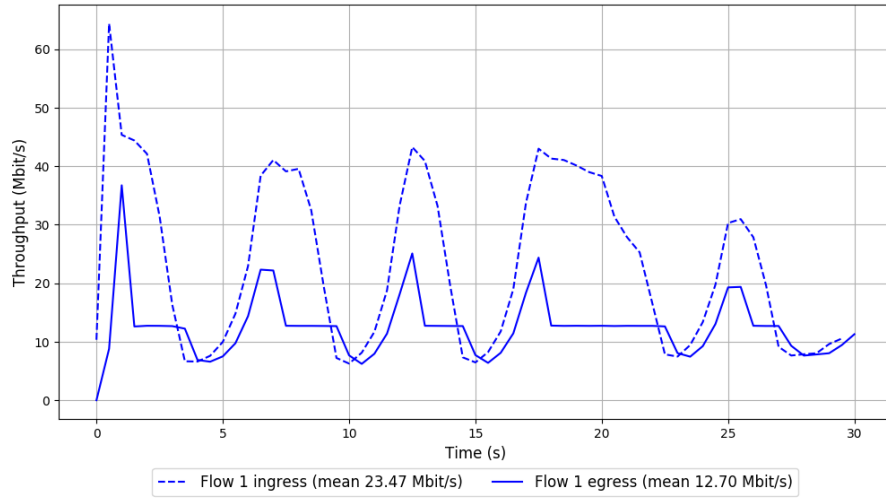
-- Flow 1:

Average throughput: 12.70 Mbit/s

95th percentile per-packet one-way delay: 34.156 ms

Loss rate: 45.89%

Run 4: Report of PCC-Expr — Data Link



Run 5: Statistics of PCC-Expr

Start at: 2019-10-02 22:14:35

End at: 2019-10-02 22:15:05

Local clock offset: 0.117 ms

Remote clock offset: 7.167 ms

Below is generated by plot.py at 2019-10-02 22:34:16

Datalink statistics

-- Total of 1 flow:

Average throughput: 13.06 Mbit/s

95th percentile per-packet one-way delay: 33.993 ms

Loss rate: 46.20%

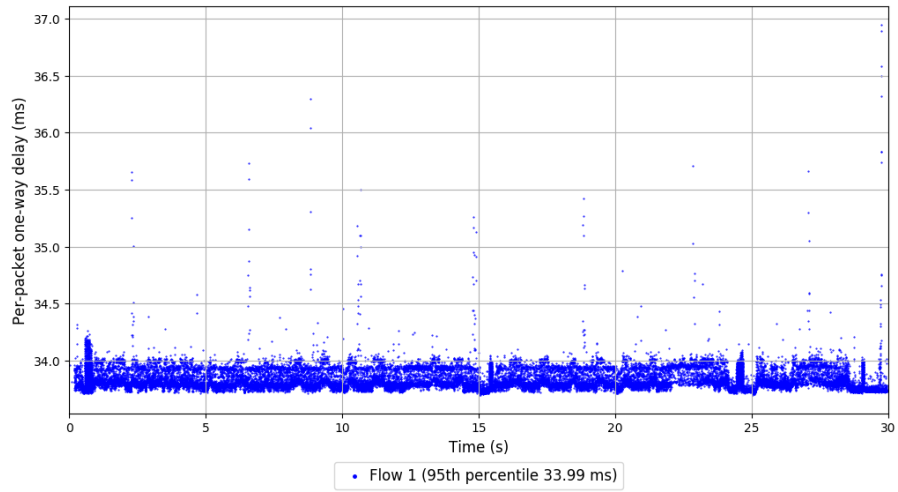
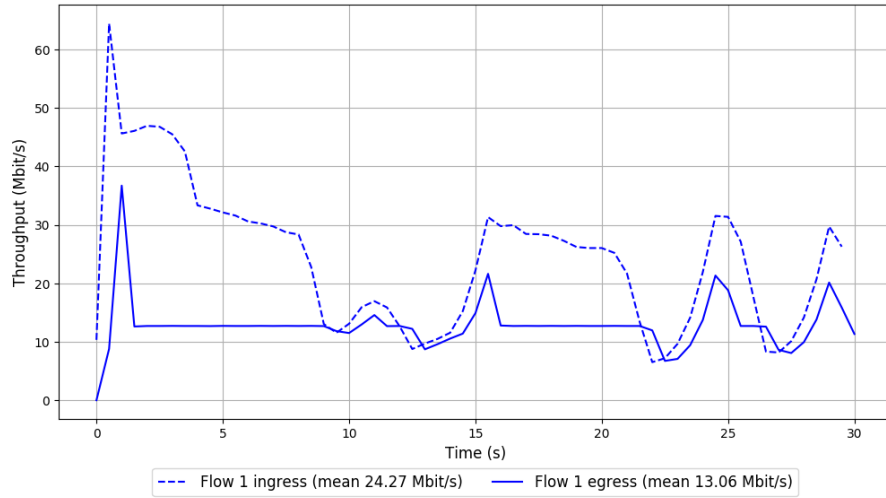
-- Flow 1:

Average throughput: 13.06 Mbit/s

95th percentile per-packet one-way delay: 33.993 ms

Loss rate: 46.20%

Run 5: Report of PCC-Expr — Data Link



Run 1: Statistics of QUIC Cubic

Start at: 2019-10-02 18:04:18

End at: 2019-10-02 18:04:48

Local clock offset: 7.985 ms

Remote clock offset: 7.684 ms

Below is generated by plot.py at 2019-10-02 22:34:46

Datalink statistics

-- Total of 1 flow:

Average throughput: 77.16 Mbit/s

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

Loss rate: 1.94%

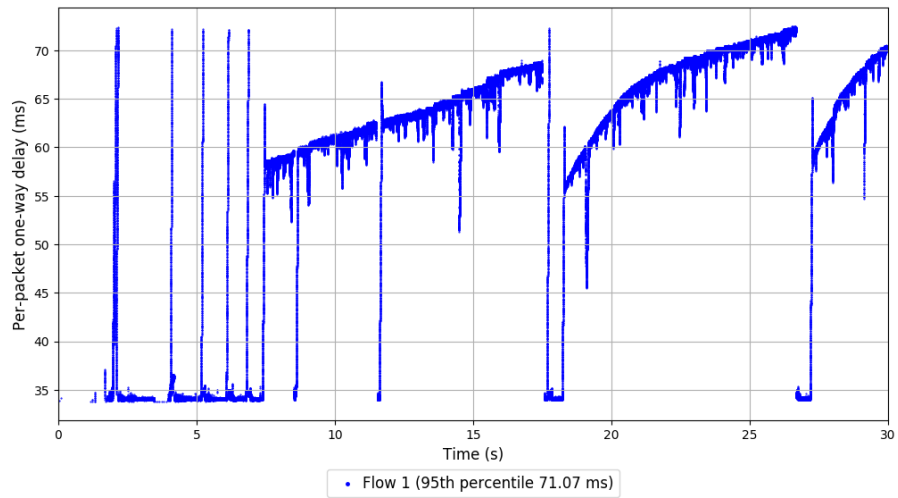
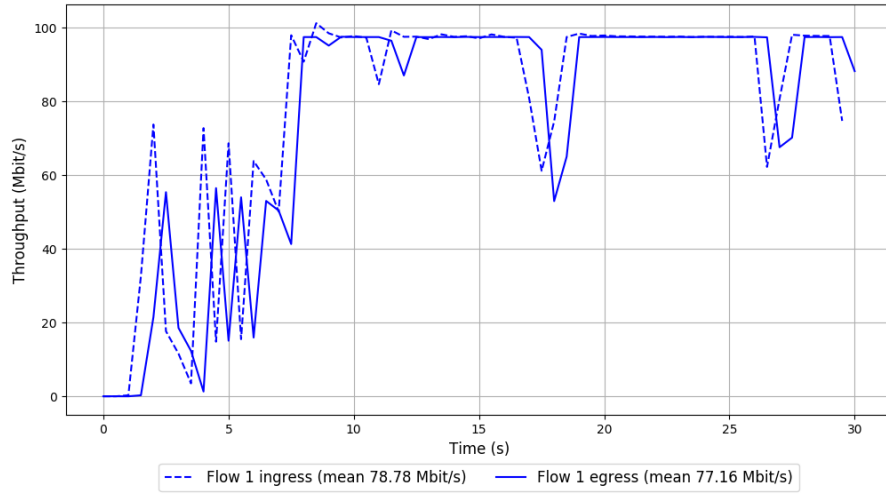
-- Flow 1:

Average throughput: 77.16 Mbit/s

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

Loss rate: 1.94%

Run 1: Report of QUIC Cubic — Data Link



Run 2: Statistics of QUIC Cubic

Start at: 2019-10-02 19:00:22

End at: 2019-10-02 19:00:52

Local clock offset: 5.072 ms

Remote clock offset: 7.576 ms

Below is generated by plot.py at 2019-10-02 22:35:02

Datalink statistics

-- Total of 1 flow:

Average throughput: 86.14 Mbit/s

95th percentile per-packet one-way delay: 70.599 ms

Loss rate: 1.04%

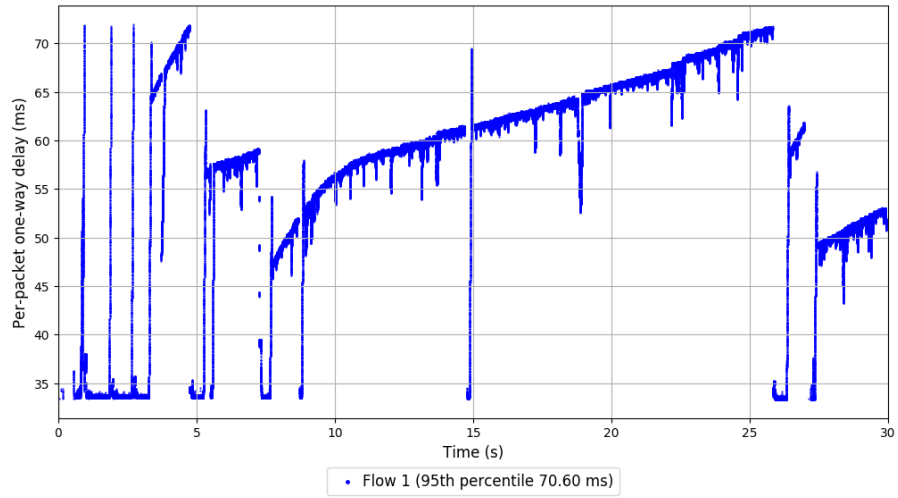
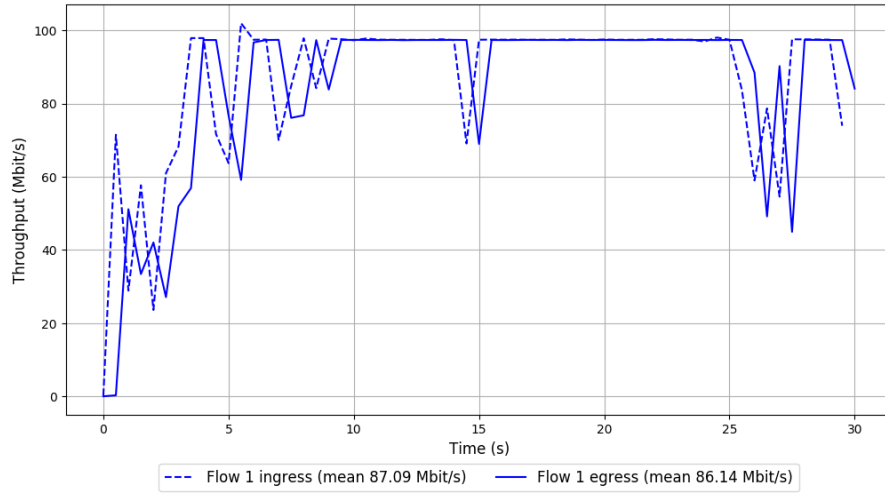
-- Flow 1:

Average throughput: 86.14 Mbit/s

95th percentile per-packet one-way delay: 70.599 ms

Loss rate: 1.04%

Run 2: Report of QUIC Cubic — Data Link



Run 3: Statistics of QUIC Cubic

Start at: 2019-10-02 20:00:47

End at: 2019-10-02 20:01:17

Local clock offset: 0.463 ms

Remote clock offset: 7.752 ms

Below is generated by plot.py at 2019-10-02 22:35:02

Datalink statistics

-- Total of 1 flow:

Average throughput: 80.32 Mbit/s

95th percentile per-packet one-way delay: 67.577 ms

Loss rate: 1.74%

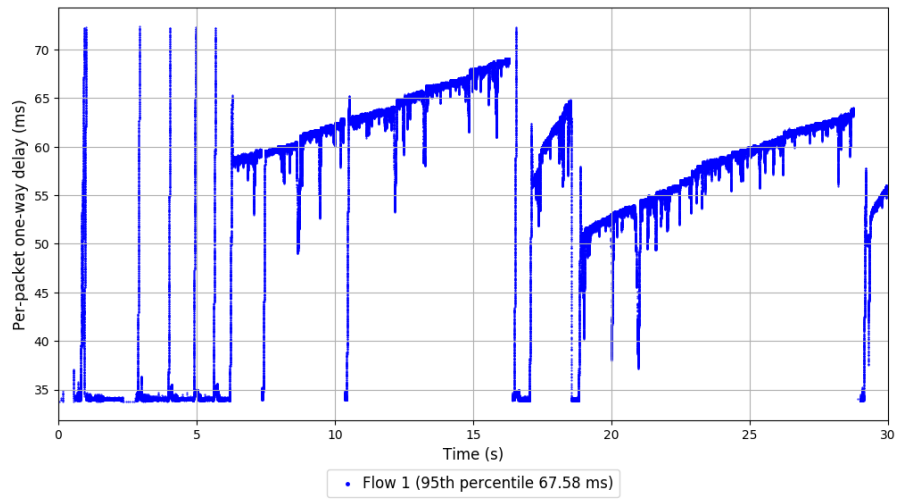
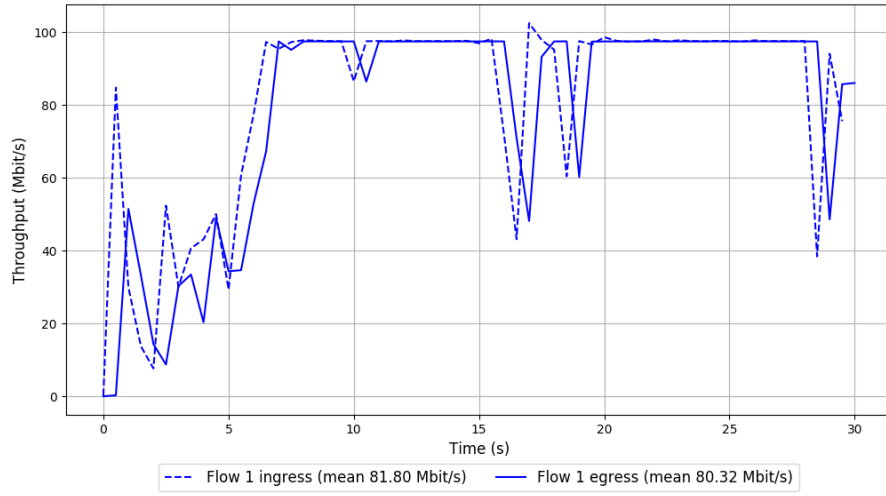
-- Flow 1:

Average throughput: 80.32 Mbit/s

95th percentile per-packet one-way delay: 67.577 ms

Loss rate: 1.74%

Run 3: Report of QUIC Cubic — Data Link



Run 4: Statistics of QUIC Cubic

Start at: 2019-10-02 21:03:14

End at: 2019-10-02 21:03:44

Local clock offset: -0.284 ms

Remote clock offset: 7.488 ms

Below is generated by plot.py at 2019-10-02 22:35:04

Datalink statistics

-- Total of 1 flow:

Average throughput: 80.08 Mbit/s

95th percentile per-packet one-way delay: 70.996 ms

Loss rate: 1.89%

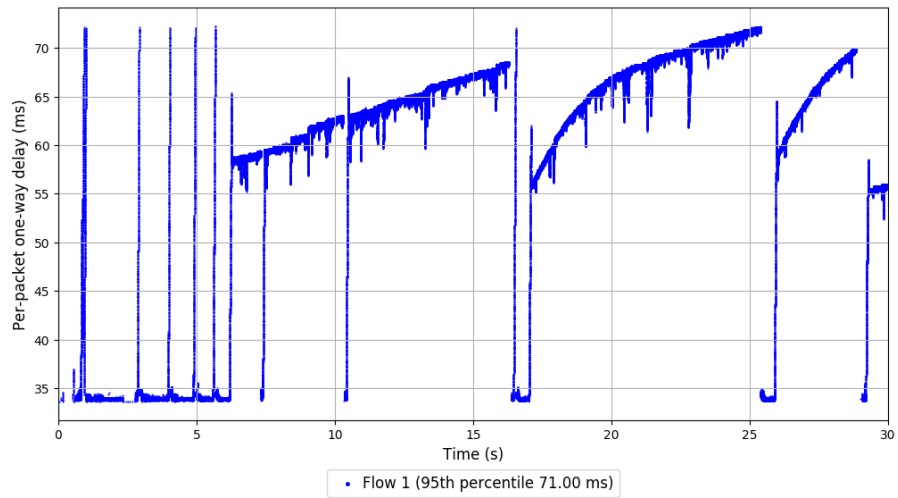
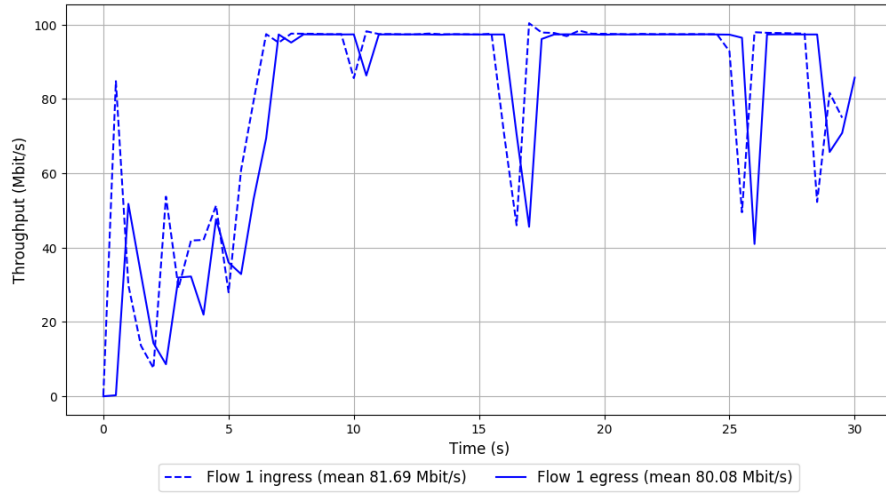
-- Flow 1:

Average throughput: 80.08 Mbit/s

95th percentile per-packet one-way delay: 70.996 ms

Loss rate: 1.89%

Run 4: Report of QUIC Cubic — Data Link



Run 5: Statistics of QUIC Cubic

Start at: 2019-10-02 21:57:29

End at: 2019-10-02 21:57:59

Local clock offset: -0.186 ms

Remote clock offset: 7.381 ms

Below is generated by plot.py at 2019-10-02 22:35:11

Datalink statistics

-- Total of 1 flow:

Average throughput: 86.34 Mbit/s

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

Loss rate: 0.80%

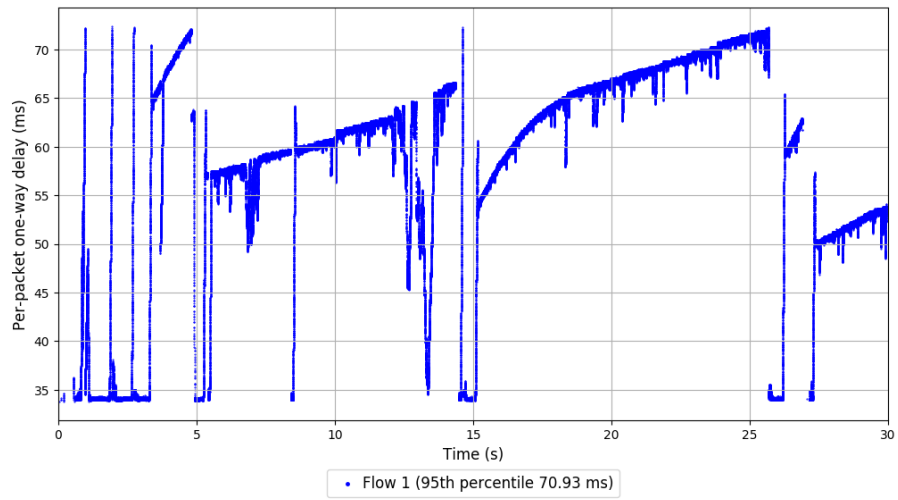
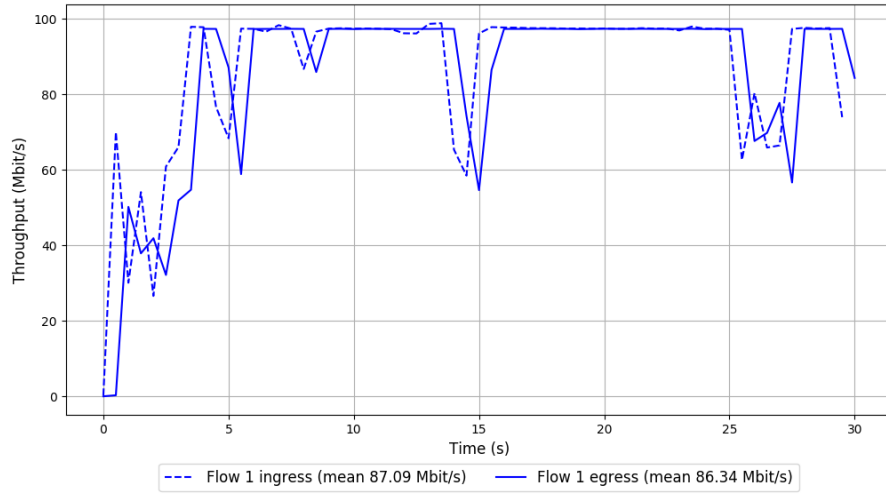
-- Flow 1:

Average throughput: 86.34 Mbit/s

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

Loss rate: 0.80%

Run 5: Report of QUIC Cubic — Data Link



Run 1: Statistics of SCReAM

Start at: 2019-10-02 18:17:06

End at: 2019-10-02 18:17:36

Local clock offset: 10.696 ms

Remote clock offset: 7.732 ms

Below is generated by plot.py at 2019-10-02 22:35:11

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 34.376 ms

Loss rate: 0.00%

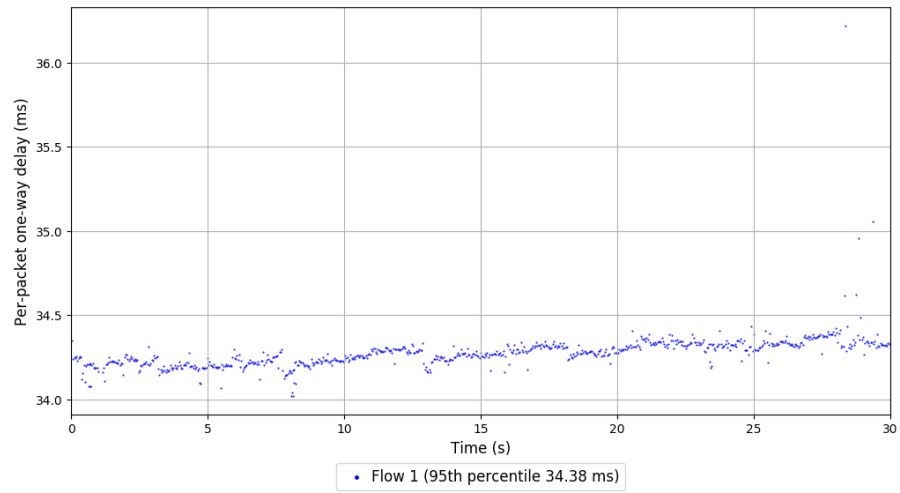
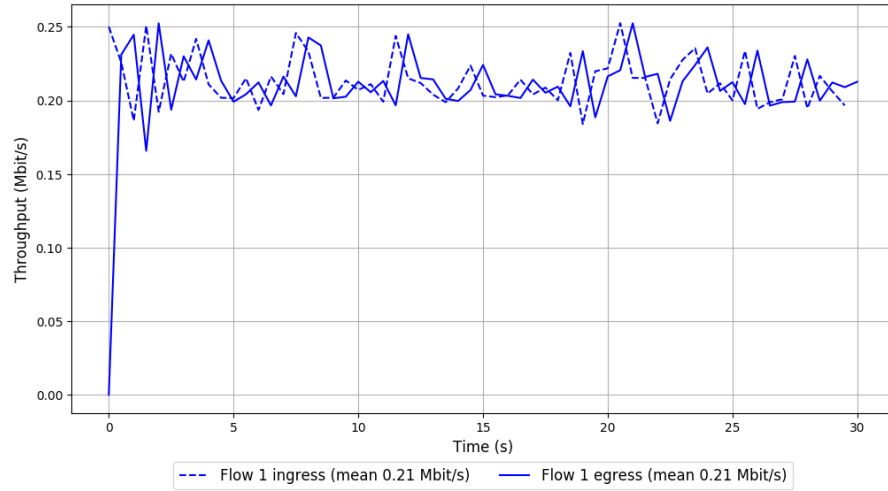
-- Flow 1:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 34.376 ms

Loss rate: 0.00%

Run 1: Report of SCReAM — Data Link



Run 2: Statistics of SCReAM

Start at: 2019-10-02 19:17:20

End at: 2019-10-02 19:17:50

Local clock offset: 1.693 ms

Remote clock offset: 7.536 ms

Below is generated by plot.py at 2019-10-02 22:35:11

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.21 Mbit/s

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

Loss rate: 0.00%

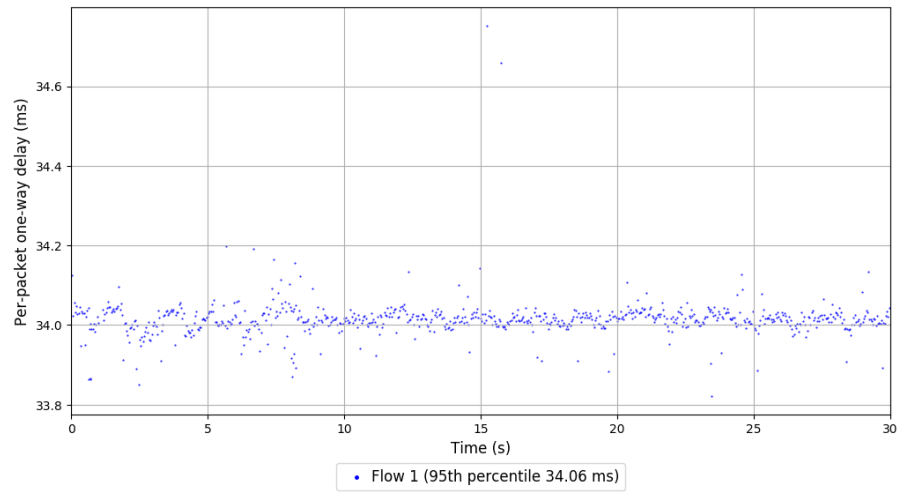
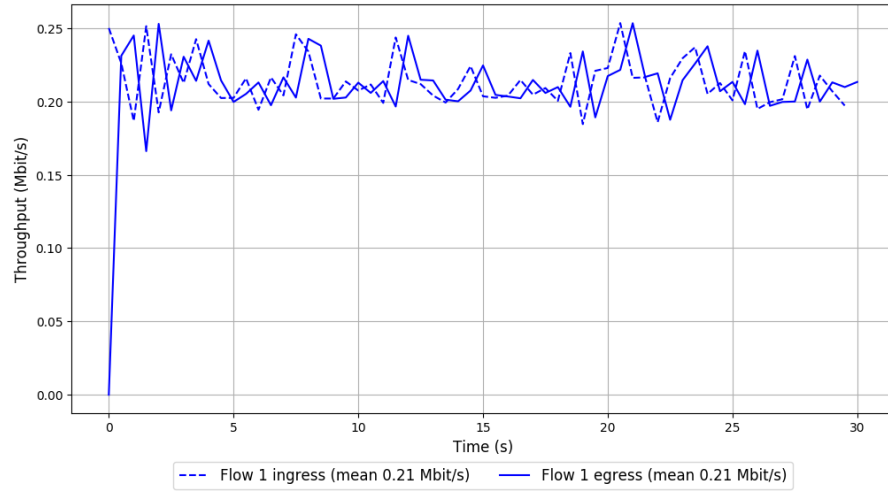
-- Flow 1:

Average throughput: 0.21 Mbit/s

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

Loss rate: 0.00%

Run 2: Report of SCReAM — Data Link



Run 3: Statistics of SCReAM

Start at: 2019-10-02 20:19:17

End at: 2019-10-02 20:19:47

Local clock offset: 0.085 ms

Remote clock offset: 7.723 ms

Below is generated by plot.py at 2019-10-02 22:35:11

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 34.001 ms

Loss rate: 0.00%

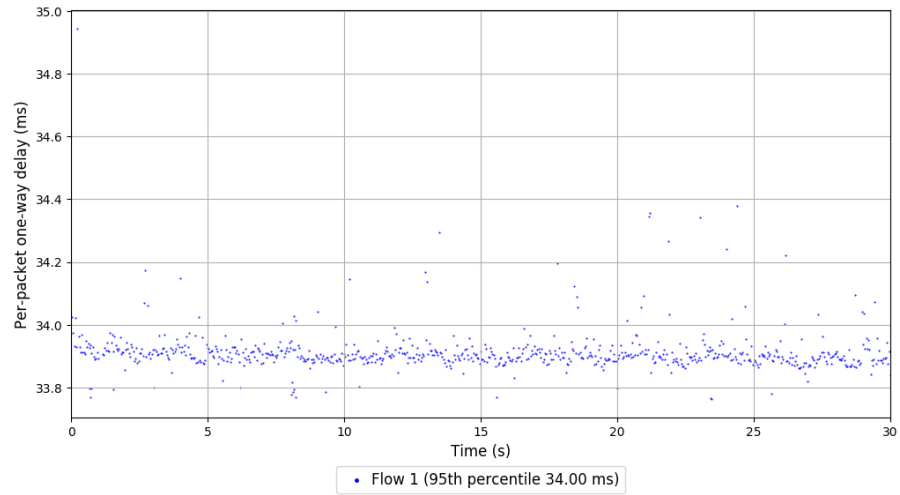
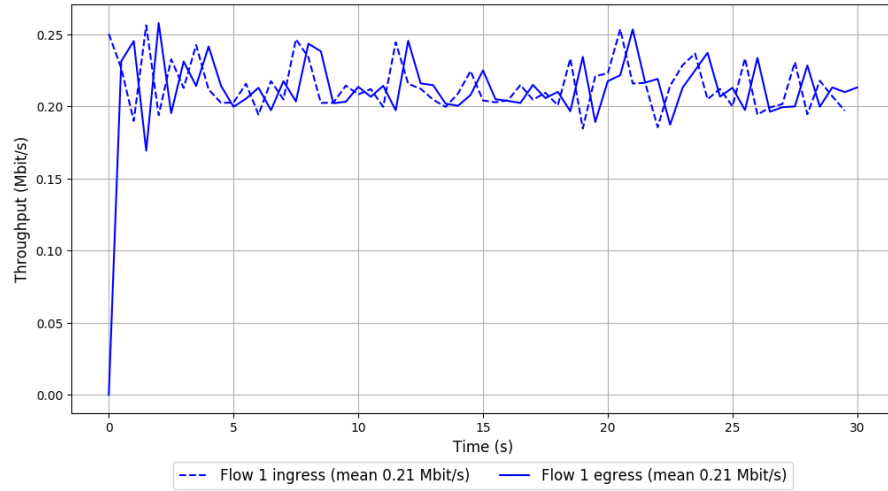
-- Flow 1:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 34.001 ms

Loss rate: 0.00%

Run 3: Report of SCReAM — Data Link



Run 4: Statistics of SCReAM

Start at: 2019-10-02 21:18:42

End at: 2019-10-02 21:19:12

Local clock offset: -0.237 ms

Remote clock offset: 7.549 ms

Below is generated by plot.py at 2019-10-02 22:35:11

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 34.029 ms

Loss rate: 0.00%

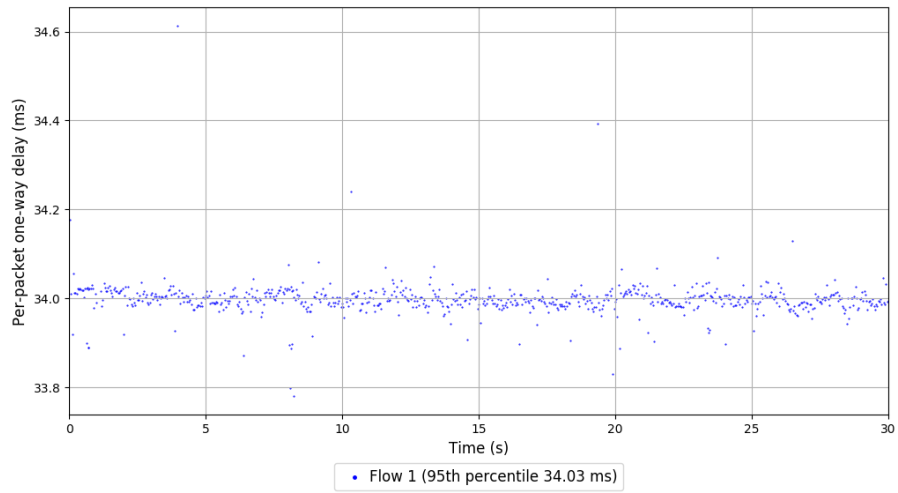
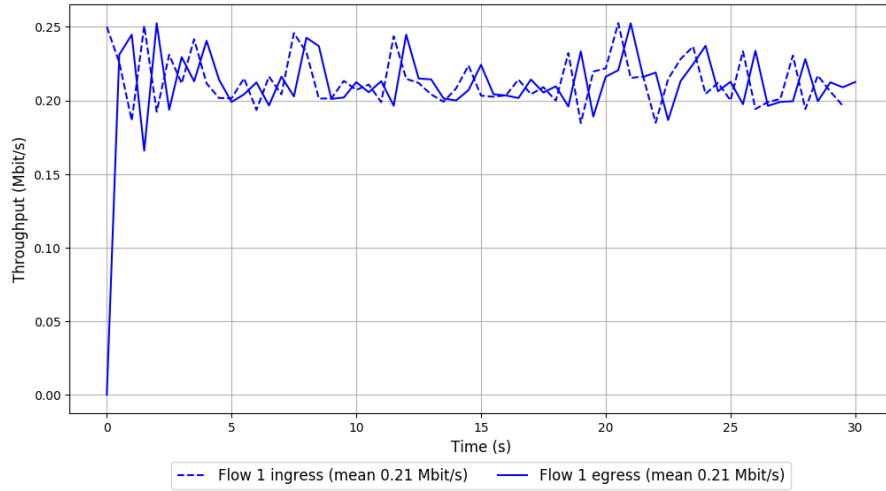
-- Flow 1:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 34.029 ms

Loss rate: 0.00%

Run 4: Report of SCReAM — Data Link



Run 5: Statistics of SCReAM

Start at: 2019-10-02 22:13:27

End at: 2019-10-02 22:13:57

Local clock offset: 0.071 ms

Remote clock offset: 7.207 ms

Below is generated by plot.py at 2019-10-02 22:35:11

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 34.060 ms

Loss rate: 0.00%

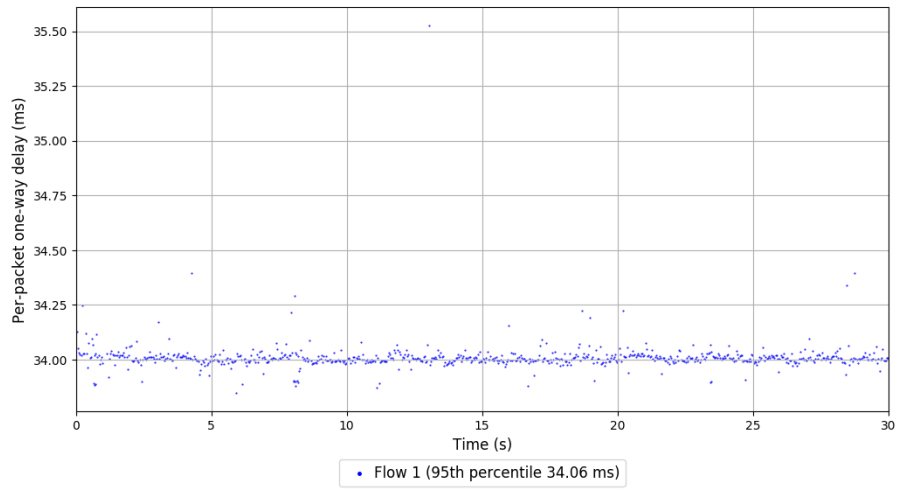
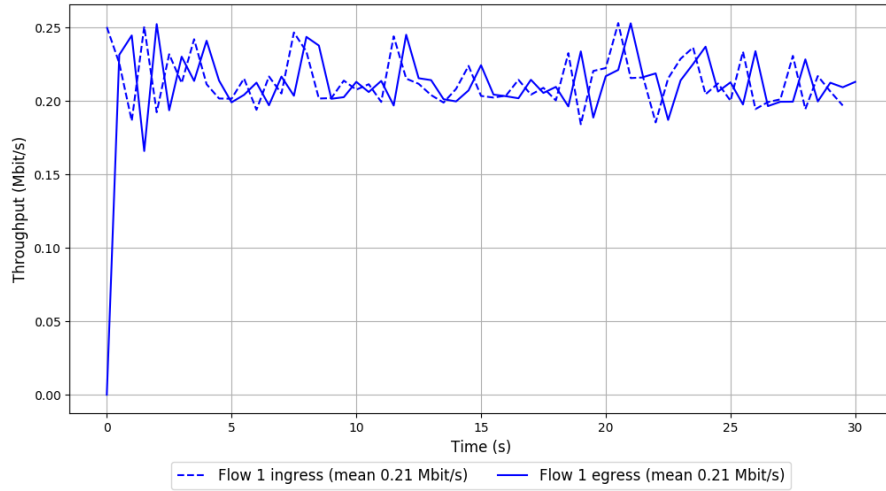
-- Flow 1:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 34.060 ms

Loss rate: 0.00%

Run 5: Report of SCReAM — Data Link



Run 1: Statistics of Sprout

Start at: 2019-10-02 17:26:31

End at: 2019-10-02 17:27:01

Local clock offset: 1.472 ms

Remote clock offset: 7.617 ms

Below is generated by plot.py at 2019-10-02 22:35:11

Datalink statistics

-- Total of 1 flow:

Average throughput: 11.76 Mbit/s

95th percentile per-packet one-way delay: 38.770 ms

Loss rate: 0.00%

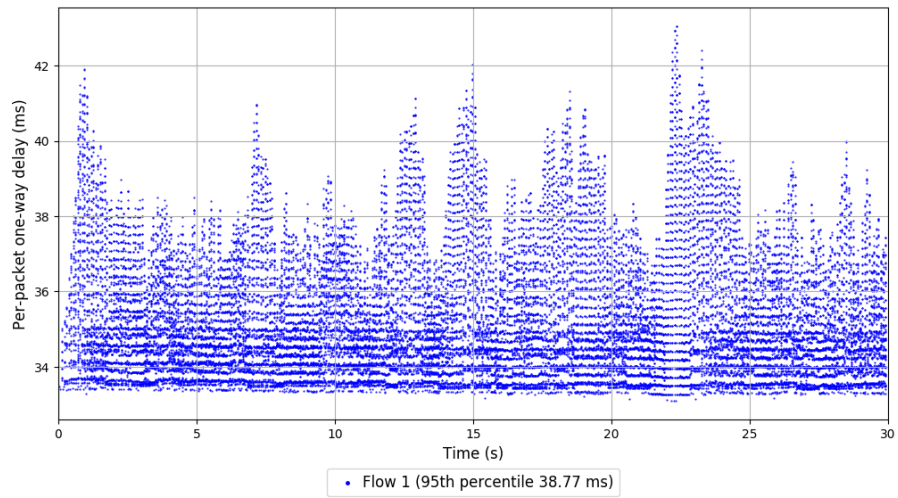
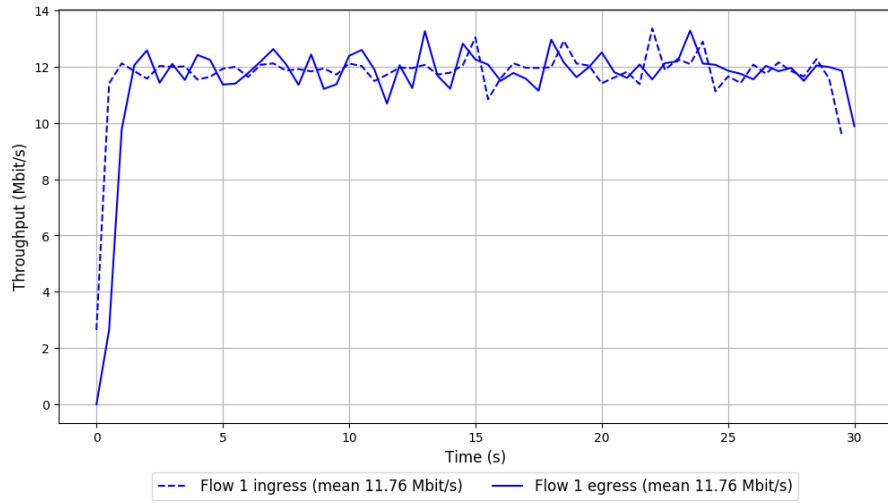
-- Flow 1:

Average throughput: 11.76 Mbit/s

95th percentile per-packet one-way delay: 38.770 ms

Loss rate: 0.00%

Run 1: Report of Sprout — Data Link



Run 2: Statistics of Sprout

Start at: 2019-10-02 18:24:59

End at: 2019-10-02 18:25:30

Local clock offset: 12.752 ms

Remote clock offset: 7.684 ms

Below is generated by plot.py at 2019-10-02 22:35:11

Datalink statistics

-- Total of 1 flow:

Average throughput: 11.74 Mbit/s

95th percentile per-packet one-way delay: 38.980 ms

Loss rate: 0.00%

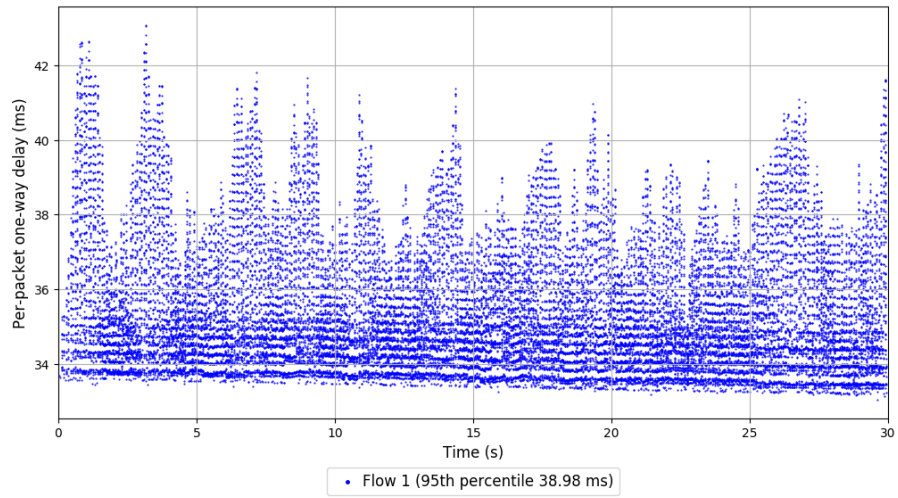
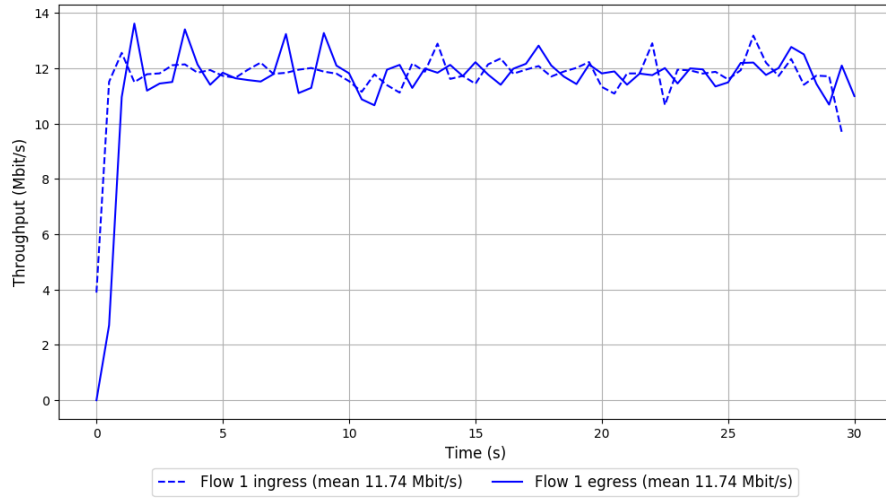
-- Flow 1:

Average throughput: 11.74 Mbit/s

95th percentile per-packet one-way delay: 38.980 ms

Loss rate: 0.00%

Run 2: Report of Sprout — Data Link



Run 3: Statistics of Sprout

Start at: 2019-10-02 19:30:00

End at: 2019-10-02 19:30:30

Local clock offset: 1.026 ms

Remote clock offset: 7.773 ms

Below is generated by plot.py at 2019-10-02 22:35:11

Datalink statistics

-- Total of 1 flow:

Average throughput: 11.76 Mbit/s

95th percentile per-packet one-way delay: 39.278 ms

Loss rate: 0.00%

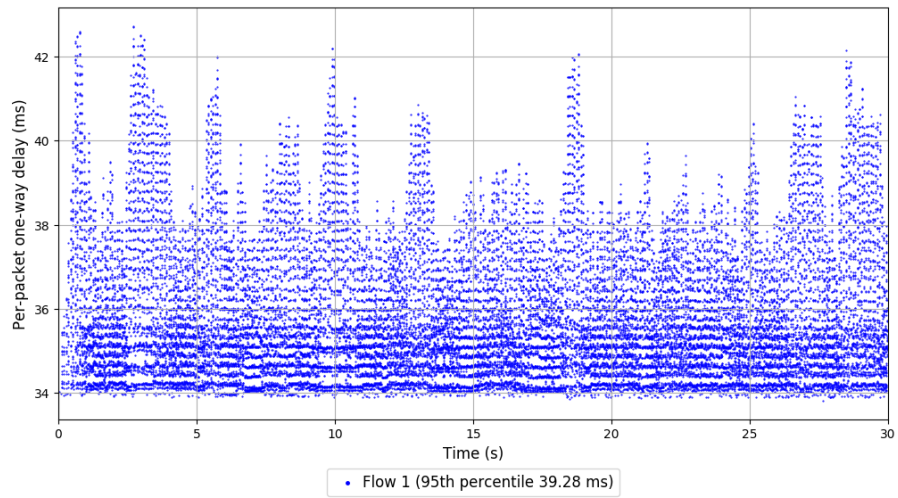
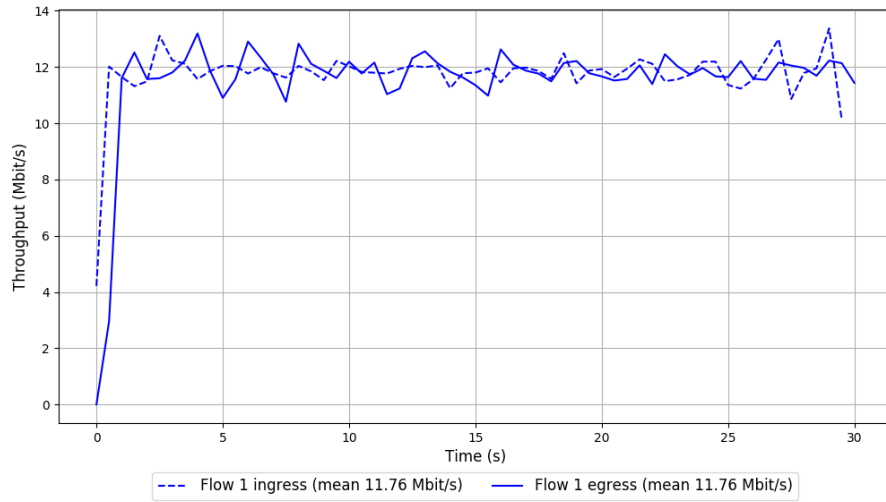
-- Flow 1:

Average throughput: 11.76 Mbit/s

95th percentile per-packet one-way delay: 39.278 ms

Loss rate: 0.00%

Run 3: Report of Sprout — Data Link



Run 4: Statistics of Sprout

Start at: 2019-10-02 20:27:35

End at: 2019-10-02 20:28:05

Local clock offset: -0.074 ms

Remote clock offset: 7.791 ms

Below is generated by plot.py at 2019-10-02 22:35:11

Datalink statistics

-- Total of 1 flow:

Average throughput: 11.75 Mbit/s

95th percentile per-packet one-way delay: 39.149 ms

Loss rate: 0.00%

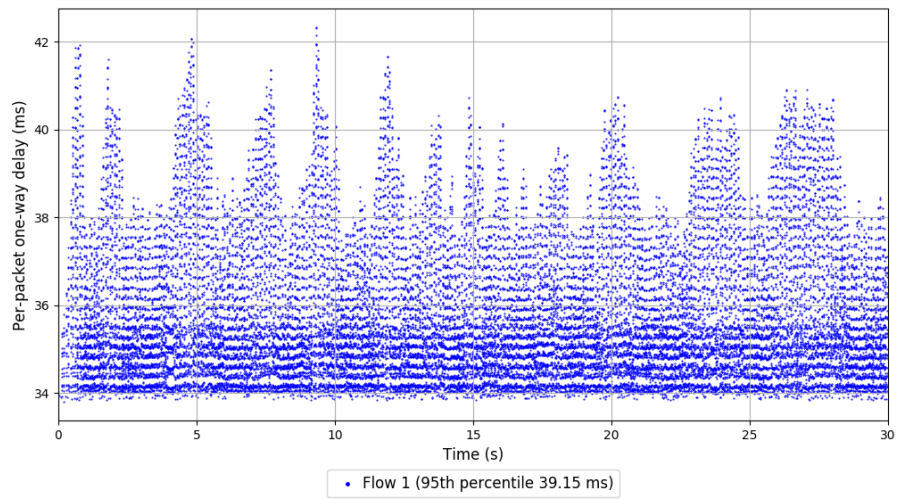
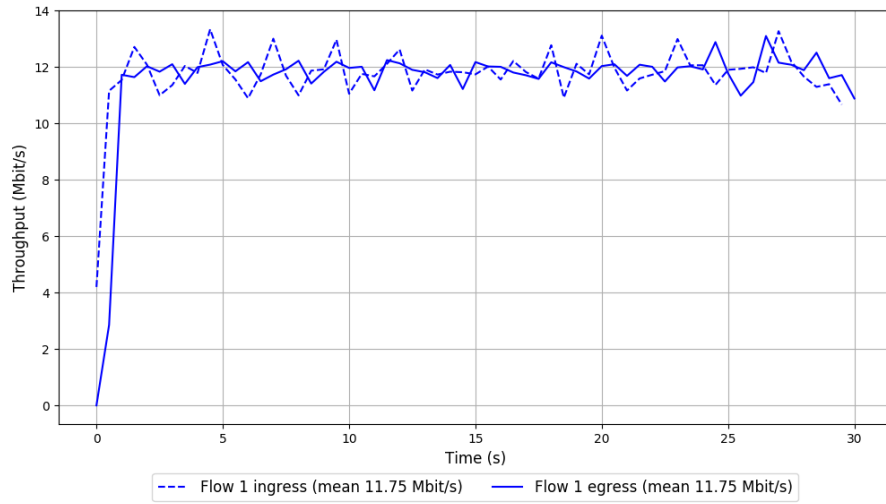
-- Flow 1:

Average throughput: 11.75 Mbit/s

95th percentile per-packet one-way delay: 39.149 ms

Loss rate: 0.00%

Run 4: Report of Sprout — Data Link



Run 5: Statistics of Sprout

Start at: 2019-10-02 21:25:03

End at: 2019-10-02 21:25:33

Local clock offset: -0.22 ms

Remote clock offset: 7.599 ms

Below is generated by plot.py at 2019-10-02 22:35:11

Datalink statistics

-- Total of 1 flow:

Average throughput: 11.78 Mbit/s

95th percentile per-packet one-way delay: 39.548 ms

Loss rate: 0.00%

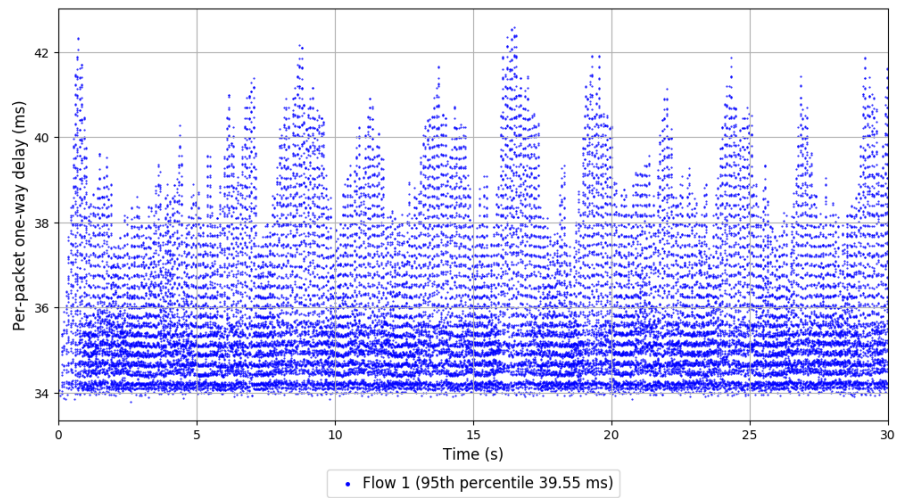
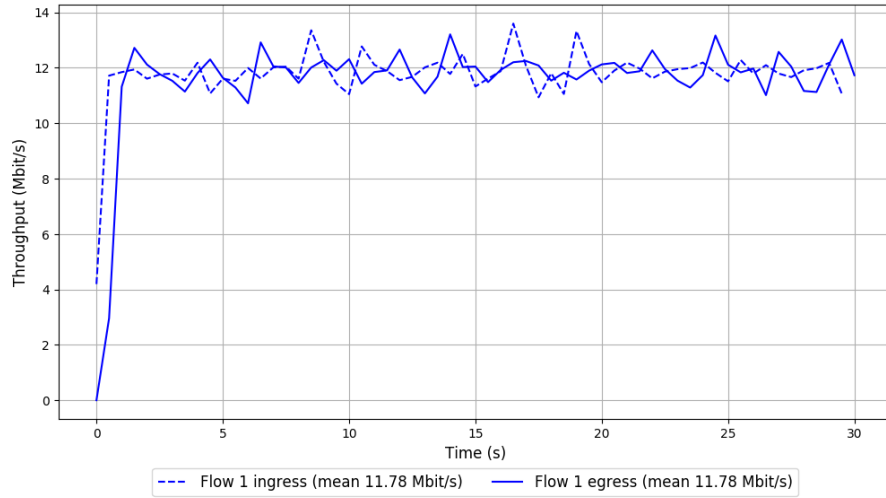
-- Flow 1:

Average throughput: 11.78 Mbit/s

95th percentile per-packet one-way delay: 39.548 ms

Loss rate: 0.00%

Run 5: Report of Sprout — Data Link



Run 1: Statistics of TaoVA-100x

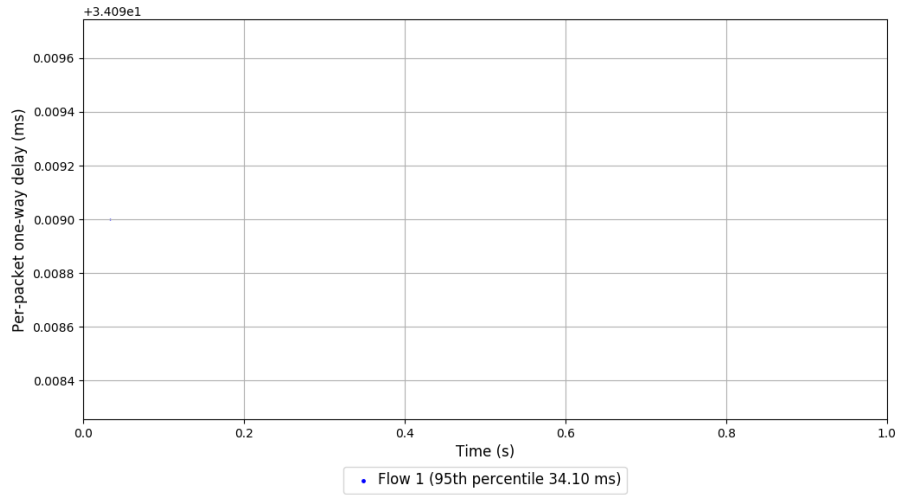
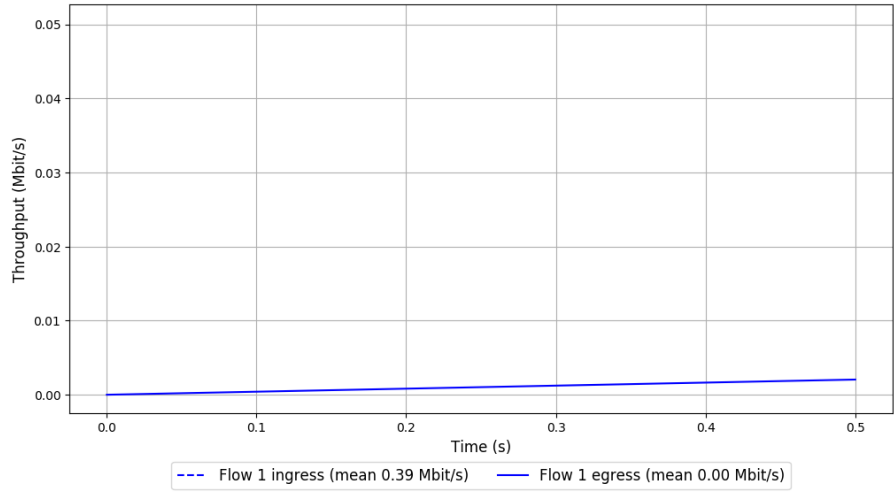
Start at: 2019-10-02 18:13:31

End at: 2019-10-02 18:14:01

Local clock offset: 9.783 ms

Remote clock offset: 7.847 ms

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



Run 2: Statistics of TaoVA-100x

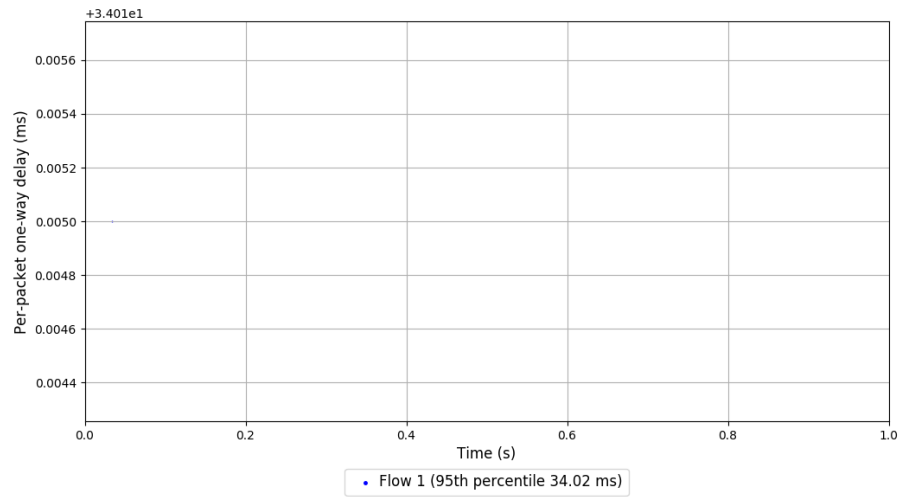
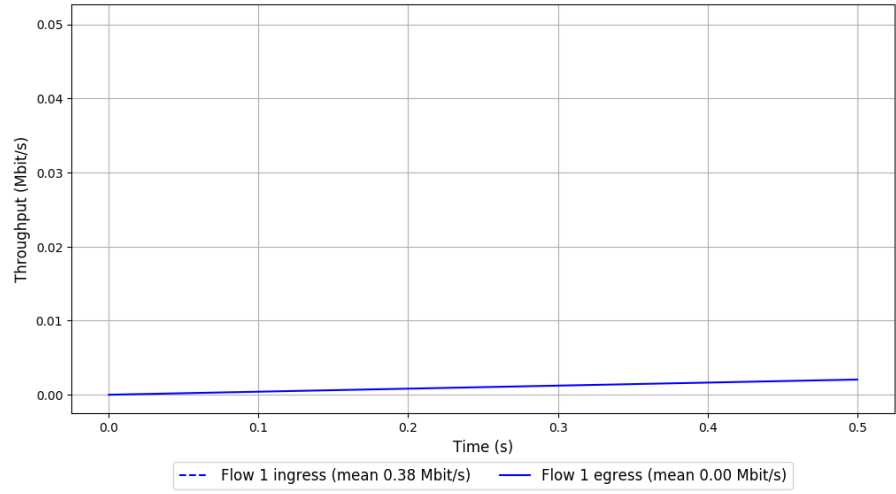
Start at: 2019-10-02 19:12:12

End at: 2019-10-02 19:12:42

Local clock offset: 1.993 ms

Remote clock offset: 7.59 ms

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



Run 3: Statistics of TaoVA-100x

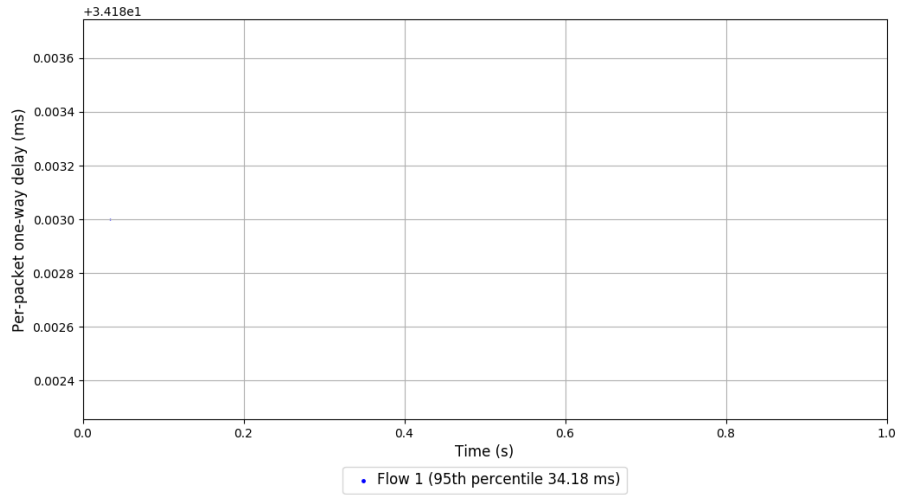
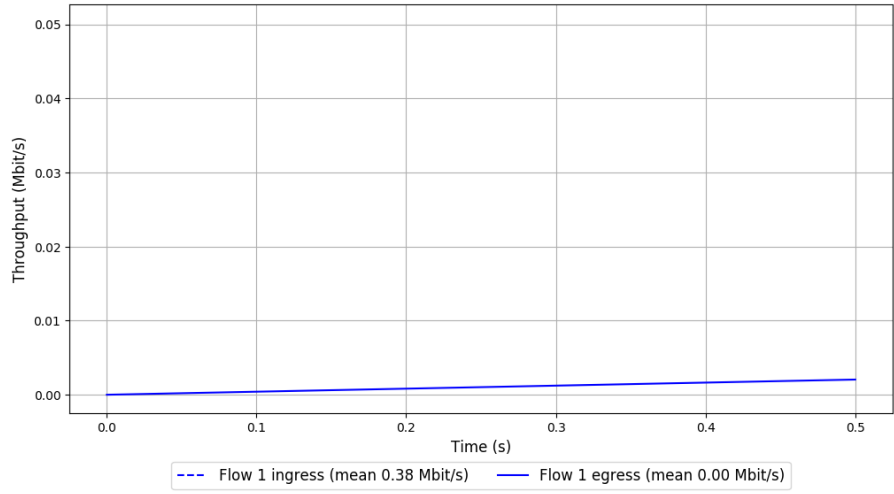
Start at: 2019-10-02 20:14:18

End at: 2019-10-02 20:14:48

Local clock offset: 0.172 ms

Remote clock offset: 8.001 ms

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



Run 4: Statistics of TaoVA-100x

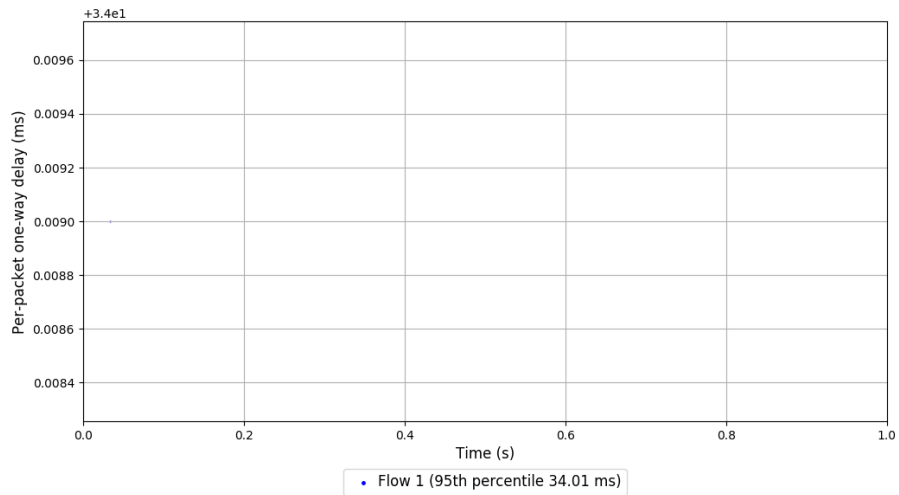
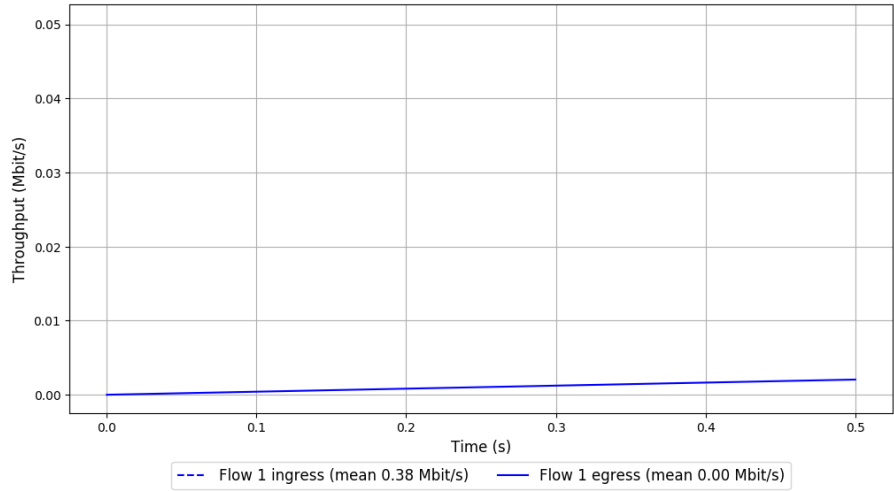
Start at: 2019-10-02 21:15:00

End at: 2019-10-02 21:15:30

Local clock offset: -0.248 ms

Remote clock offset: 7.636 ms

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



Run 5: Statistics of TaoVA-100x

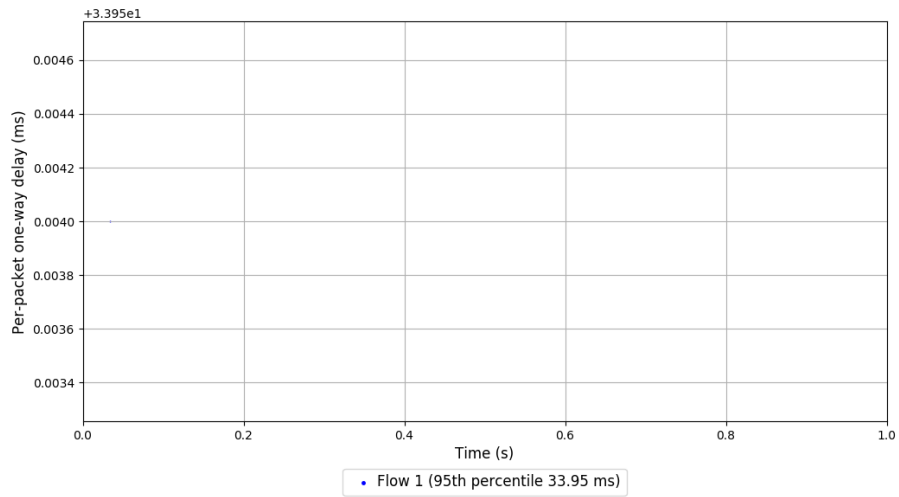
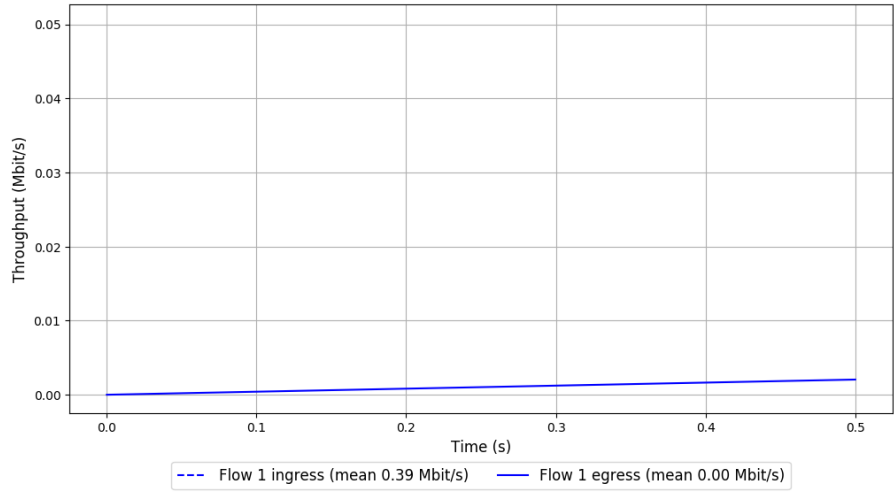
Start at: 2019-10-02 22:09:13

End at: 2019-10-02 22:09:43

Local clock offset: 0.03 ms

Remote clock offset: 7.164 ms

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



Run 1: Statistics of TCP Vegas

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

End at: 2019-10-02 18:23:22

Local clock offset: 12.323 ms

Remote clock offset: 7.719 ms

Below is generated by plot.py at 2019-10-02 22:35:42

Datalink statistics

-- Total of 1 flow:

Average throughput: 94.01 Mbit/s

95th percentile per-packet one-way delay: 44.561 ms

Loss rate: 0.28%

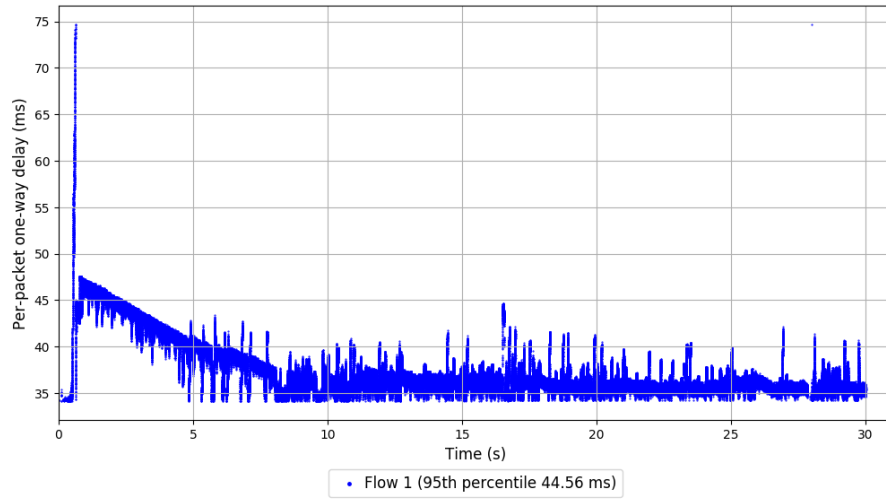
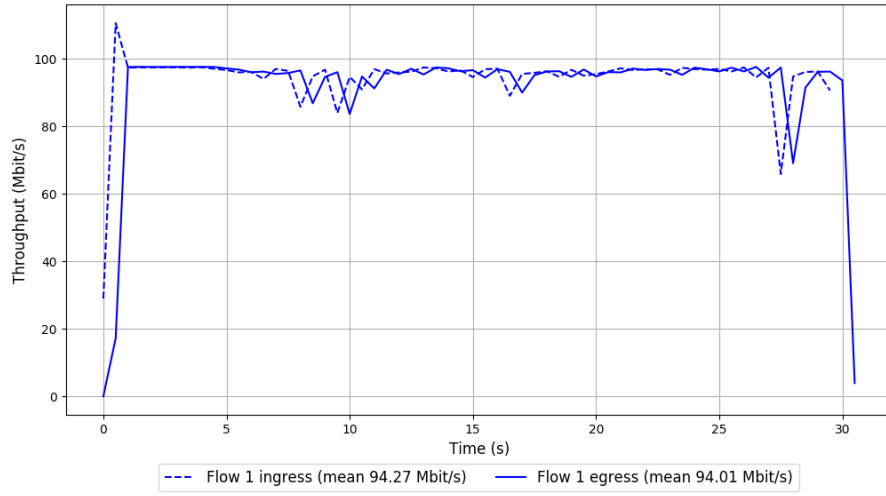
-- Flow 1:

Average throughput: 94.01 Mbit/s

95th percentile per-packet one-way delay: 44.561 ms

Loss rate: 0.28%

Run 1: Report of TCP Vegas — Data Link



Run 2: Statistics of TCP Vegas

Start at: 2019-10-02 19:22:02

End at: 2019-10-02 19:22:32

Local clock offset: 1.626 ms

Remote clock offset: 7.639 ms

Below is generated by plot.py at 2019-10-02 22:35:46

Datalink statistics

-- Total of 1 flow:

Average throughput: 94.96 Mbit/s

95th percentile per-packet one-way delay: 44.657 ms

Loss rate: 0.27%

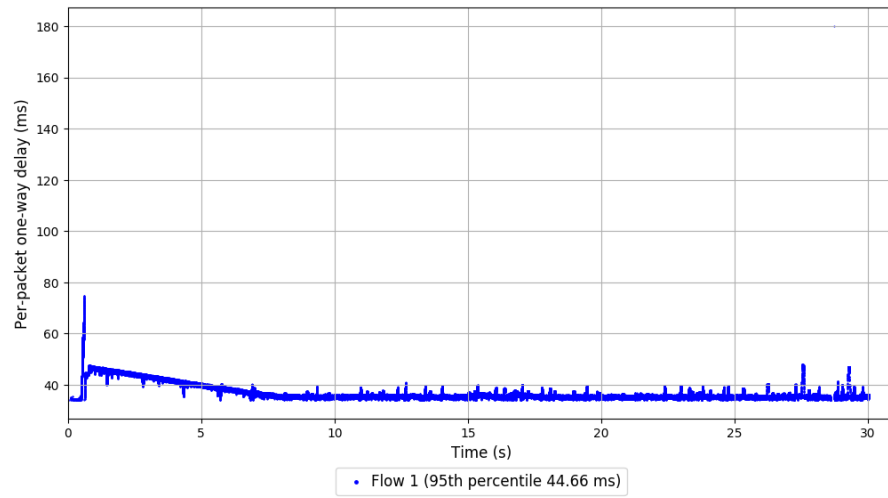
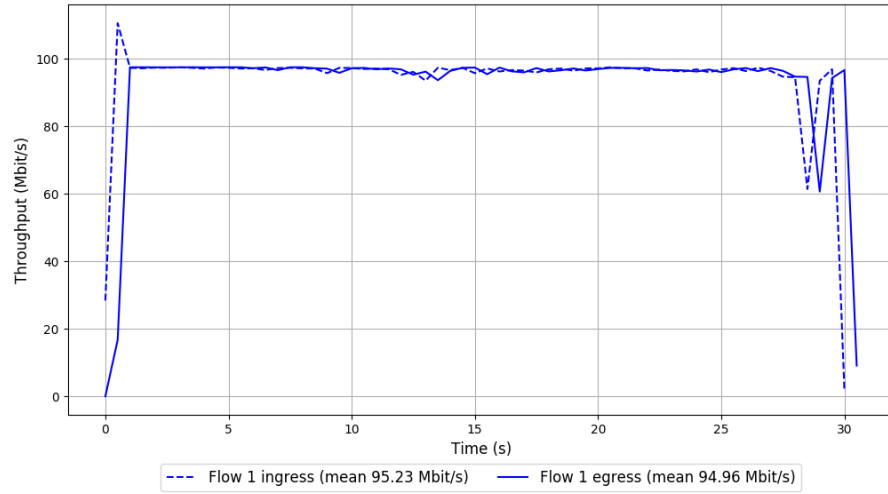
-- Flow 1:

Average throughput: 94.96 Mbit/s

95th percentile per-packet one-way delay: 44.657 ms

Loss rate: 0.27%

Run 2: Report of TCP Vegas — Data Link



Run 3: Statistics of TCP Vegas

Start at: 2019-10-02 20:24:55

End at: 2019-10-02 20:25:25

Local clock offset: -0.042 ms

Remote clock offset: 7.755 ms

Below is generated by plot.py at 2019-10-02 22:35:46

Datalink statistics

-- Total of 1 flow:

Average throughput: 85.62 Mbit/s

95th percentile per-packet one-way delay: 44.196 ms

Loss rate: 0.32%

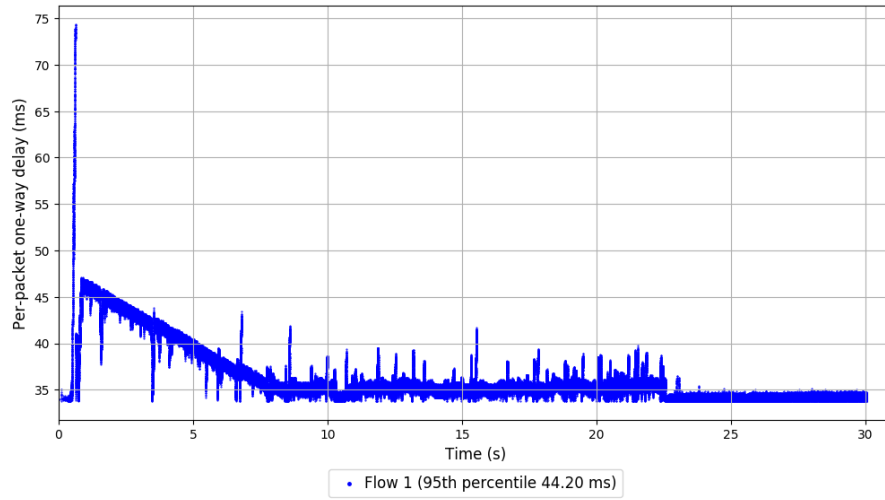
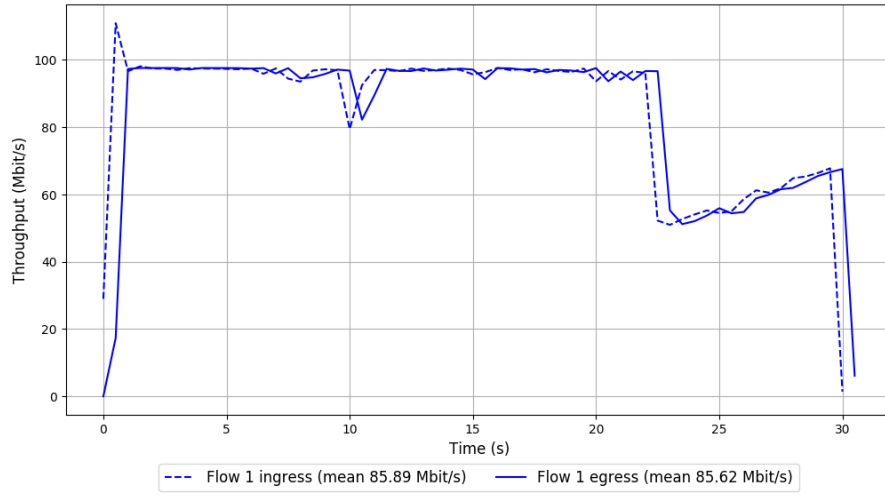
-- Flow 1:

Average throughput: 85.62 Mbit/s

95th percentile per-packet one-way delay: 44.196 ms

Loss rate: 0.32%

Run 3: Report of TCP Vegas — Data Link



Run 4: Statistics of TCP Vegas

Start at: 2019-10-02 21:23:09

End at: 2019-10-02 21:23:39

Local clock offset: -0.222 ms

Remote clock offset: 7.605 ms

Below is generated by plot.py at 2019-10-02 22:35:51

Datalink statistics

-- Total of 1 flow:

Average throughput: 91.85 Mbit/s

95th percentile per-packet one-way delay: 36.407 ms

Loss rate: 0.63%

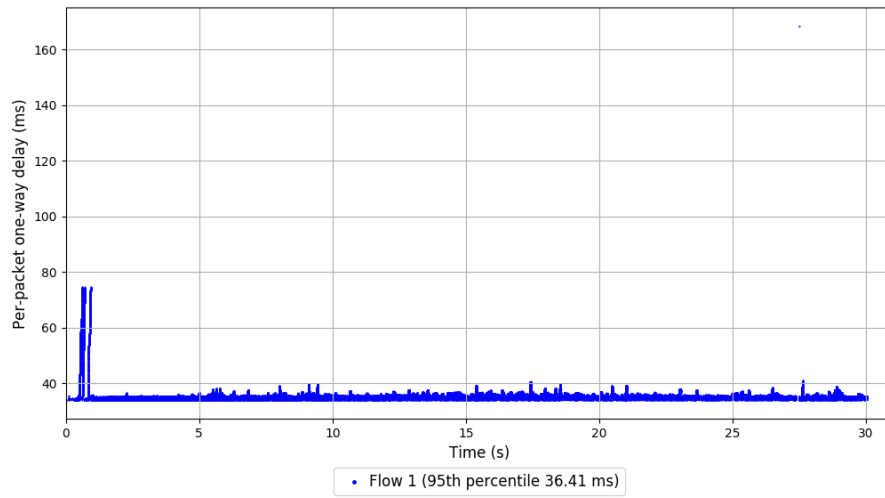
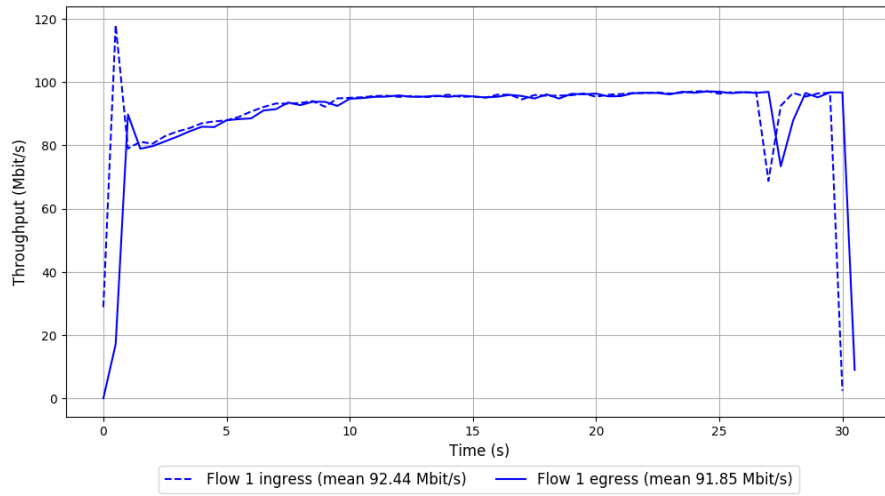
-- Flow 1:

Average throughput: 91.85 Mbit/s

95th percentile per-packet one-way delay: 36.407 ms

Loss rate: 0.63%

Run 4: Report of TCP Vegas — Data Link



Run 5: Statistics of TCP Vegas

Start at: 2019-10-02 22:19:32

End at: 2019-10-02 22:20:02

Local clock offset: 0.134 ms

Remote clock offset: 7.212 ms

Below is generated by plot.py at 2019-10-02 22:36:00

Datalink statistics

-- Total of 1 flow:

Average throughput: 85.06 Mbit/s

95th percentile per-packet one-way delay: 44.629 ms

Loss rate: 0.31%

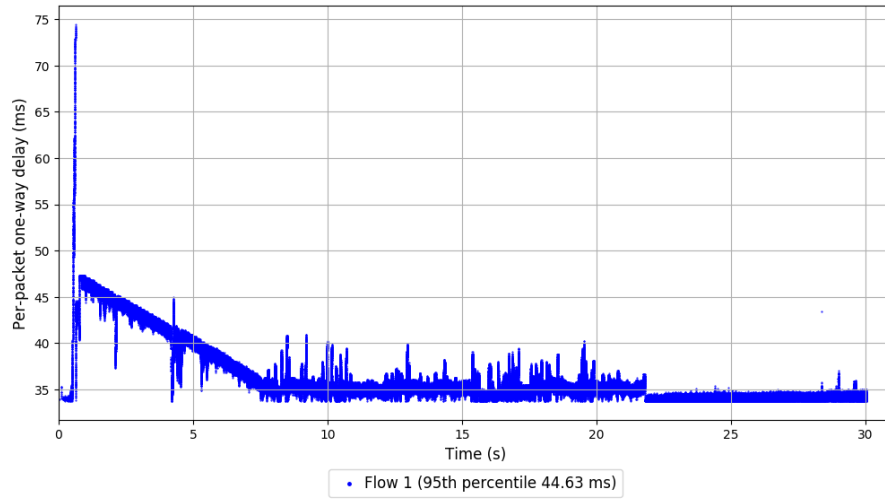
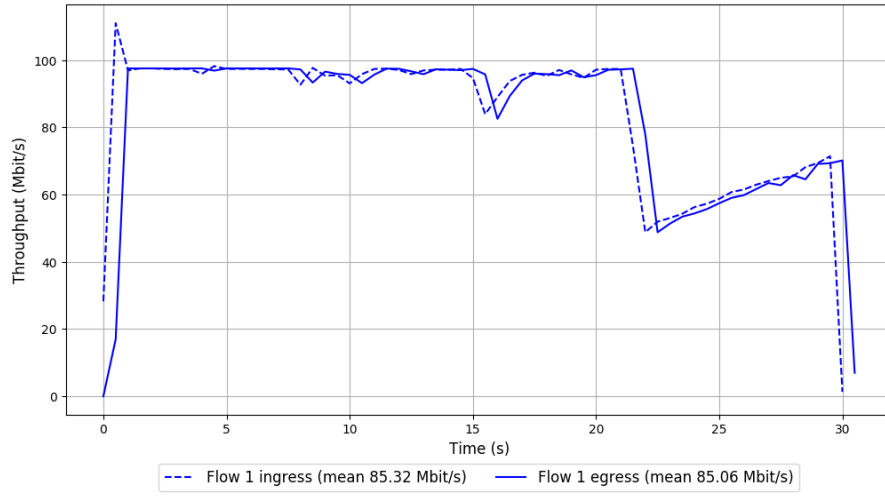
-- Flow 1:

Average throughput: 85.06 Mbit/s

95th percentile per-packet one-way delay: 44.629 ms

Loss rate: 0.31%

Run 5: Report of TCP Vegas — Data Link



Run 1: Statistics of Verus

Start at: 2019-10-02 17:51:48

End at: 2019-10-02 17:52:18

Local clock offset: 7.8 ms

Remote clock offset: 7.651 ms

Below is generated by plot.py at 2019-10-02 22:36:00

Datalink statistics

-- Total of 1 flow:

Average throughput: 61.48 Mbit/s

95th percentile per-packet one-way delay: 69.815 ms

Loss rate: 28.10%

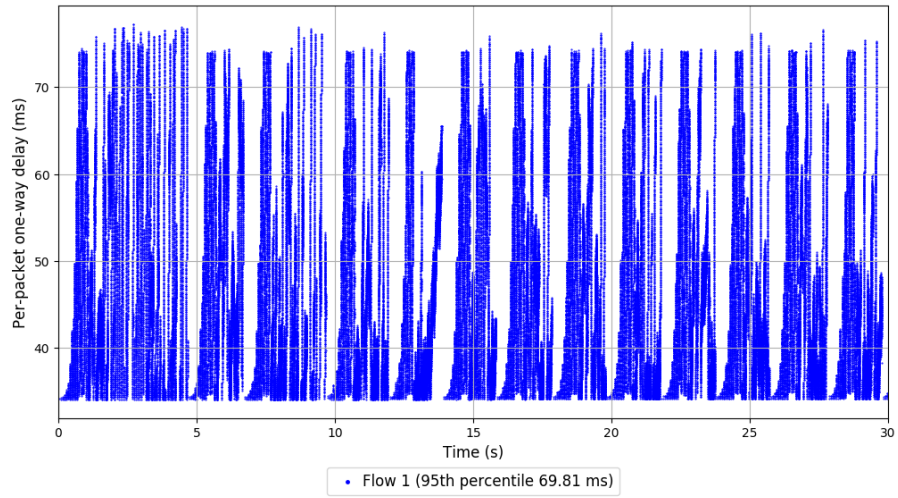
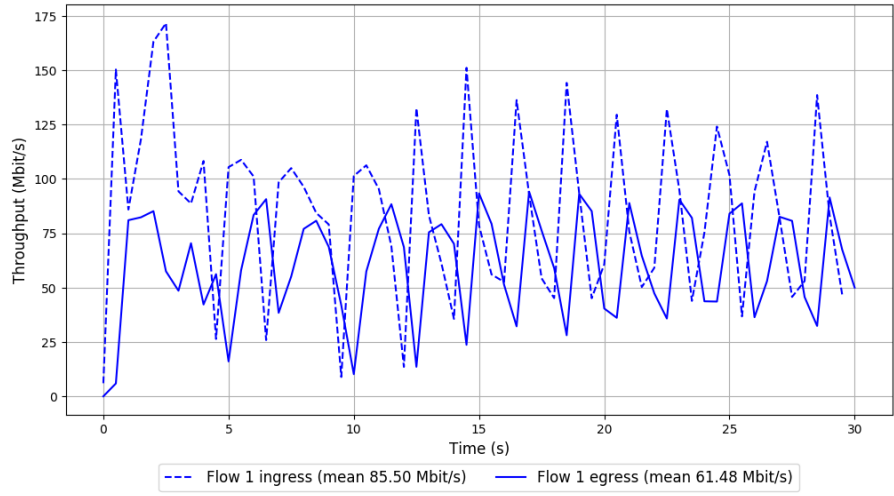
-- Flow 1:

Average throughput: 61.48 Mbit/s

95th percentile per-packet one-way delay: 69.815 ms

Loss rate: 28.10%

Run 1: Report of Verus — Data Link



Run 2: Statistics of Verus

Start at: 2019-10-02 18:46:15

End at: 2019-10-02 18:46:45

Local clock offset: 7.708 ms

Remote clock offset: 7.829 ms

Below is generated by plot.py at 2019-10-02 22:36:00

Datalink statistics

-- Total of 1 flow:

Average throughput: 61.67 Mbit/s

95th percentile per-packet one-way delay: 69.623 ms

Loss rate: 21.82%

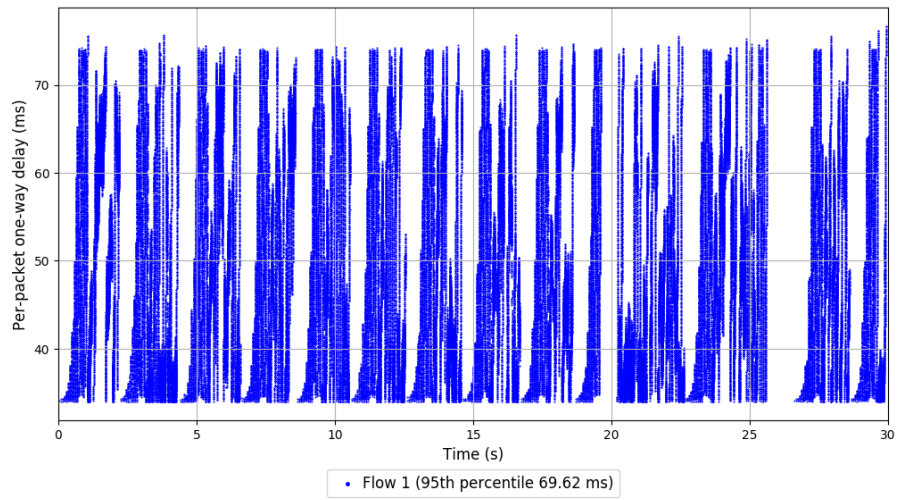
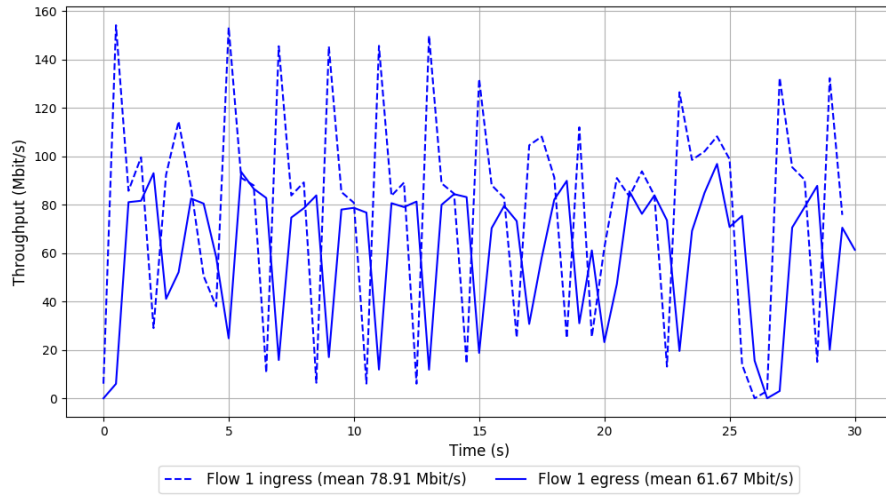
-- Flow 1:

Average throughput: 61.67 Mbit/s

95th percentile per-packet one-way delay: 69.623 ms

Loss rate: 21.82%

Run 2: Report of Verus — Data Link



Run 3: Statistics of Verus

Start at: 2019-10-02 19:49:22

End at: 2019-10-02 19:49:52

Local clock offset: 0.724 ms

Remote clock offset: 7.621 ms

Below is generated by plot.py at 2019-10-02 22:36:03

Datalink statistics

-- Total of 1 flow:

Average throughput: 60.33 Mbit/s

95th percentile per-packet one-way delay: 69.138 ms

Loss rate: 21.62%

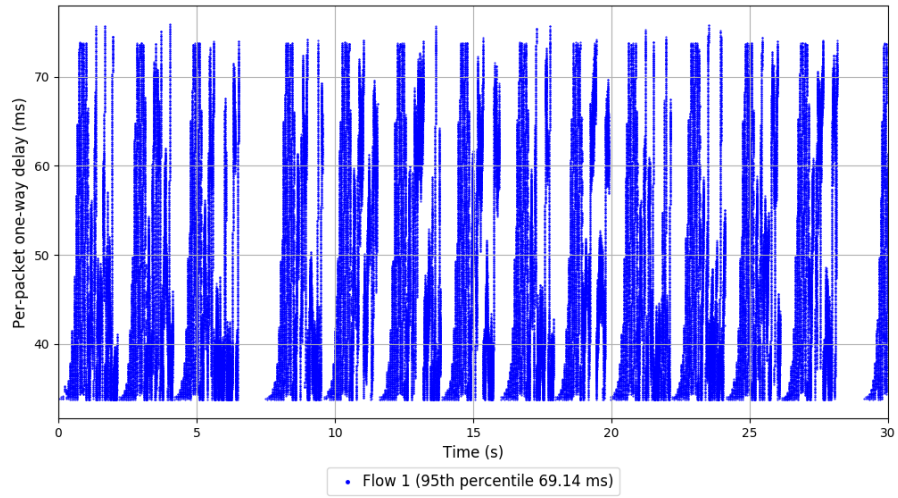
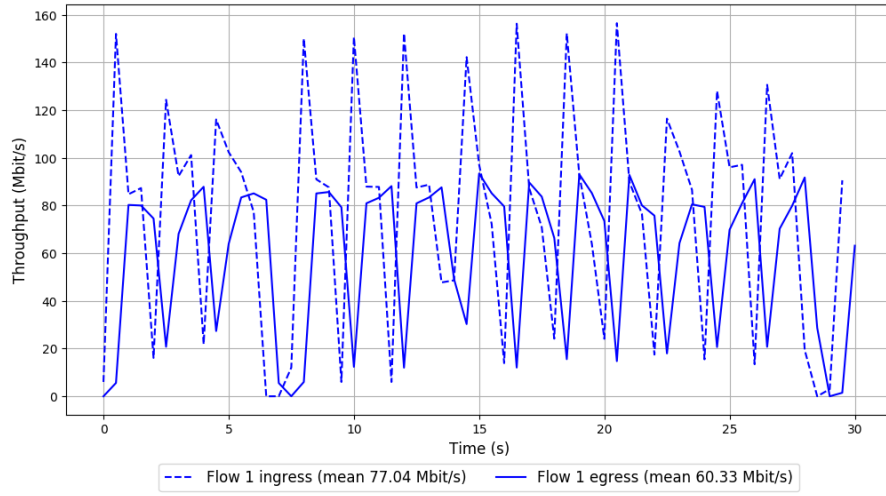
-- Flow 1:

Average throughput: 60.33 Mbit/s

95th percentile per-packet one-way delay: 69.138 ms

Loss rate: 21.62%

Run 3: Report of Verus — Data Link



Run 4: Statistics of Verus

Start at: 2019-10-02 20:48:23

End at: 2019-10-02 20:48:53

Local clock offset: -0.373 ms

Remote clock offset: 7.621 ms

Below is generated by plot.py at 2019-10-02 22:36:25

Datalink statistics

-- Total of 1 flow:

Average throughput: 57.79 Mbit/s

95th percentile per-packet one-way delay: 69.761 ms

Loss rate: 34.95%

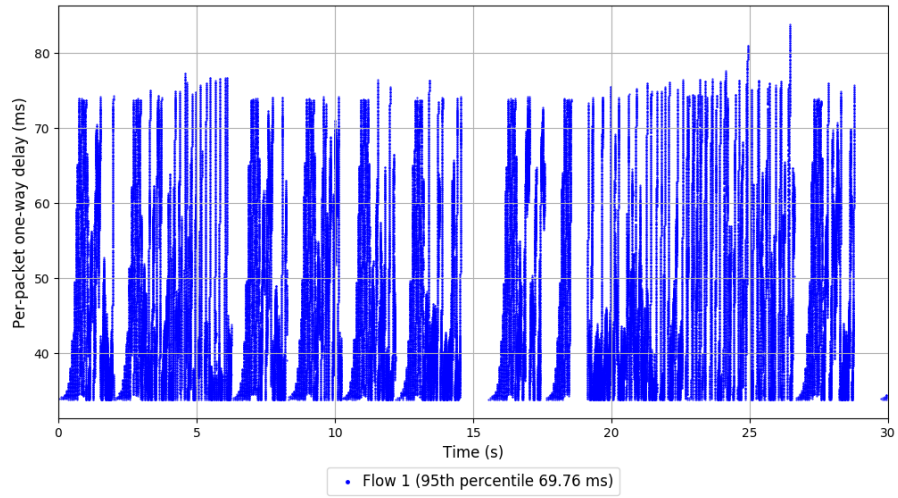
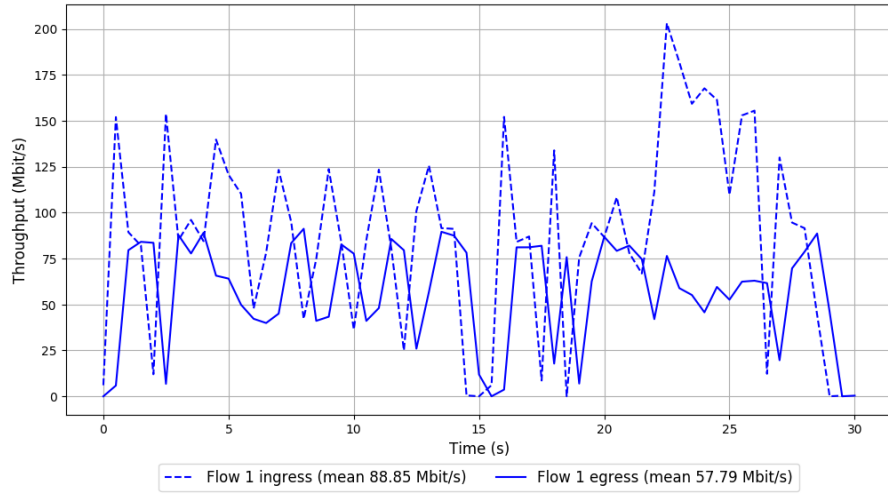
-- Flow 1:

Average throughput: 57.79 Mbit/s

95th percentile per-packet one-way delay: 69.761 ms

Loss rate: 34.95%

Run 4: Report of Verus — Data Link



Run 5: Statistics of Verus

Start at: 2019-10-02 21:44:10

End at: 2019-10-02 21:44:40

Local clock offset: -0.228 ms

Remote clock offset: 7.459 ms

Below is generated by plot.py at 2019-10-02 22:36:28

Datalink statistics

-- Total of 1 flow:

Average throughput: 54.08 Mbit/s

95th percentile per-packet one-way delay: 71.555 ms

Loss rate: 48.80%

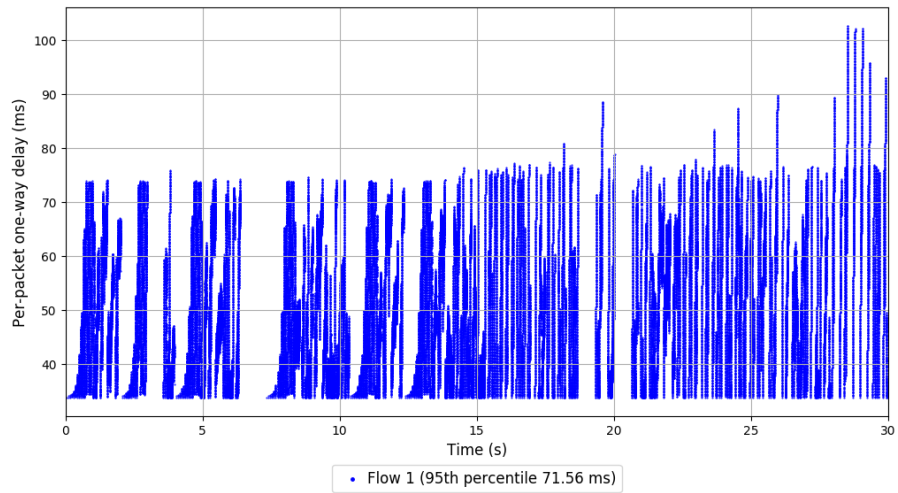
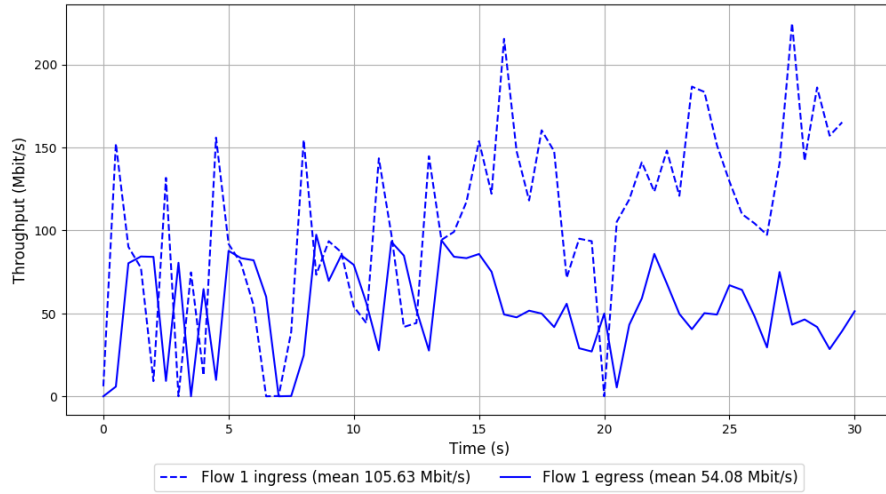
-- Flow 1:

Average throughput: 54.08 Mbit/s

95th percentile per-packet one-way delay: 71.555 ms

Loss rate: 48.80%

Run 5: Report of Verus — Data Link



Run 1: Statistics of PCC-Vivace

Start at: 2019-10-02 17:58:41

End at: 2019-10-02 17:59:11

Local clock offset: 7.906 ms

Remote clock offset: 7.924 ms

Below is generated by plot.py at 2019-10-02 22:36:38

Datalink statistics

-- Total of 1 flow:

Average throughput: 75.41 Mbit/s

95th percentile per-packet one-way delay: 35.208 ms

Loss rate: 0.00%

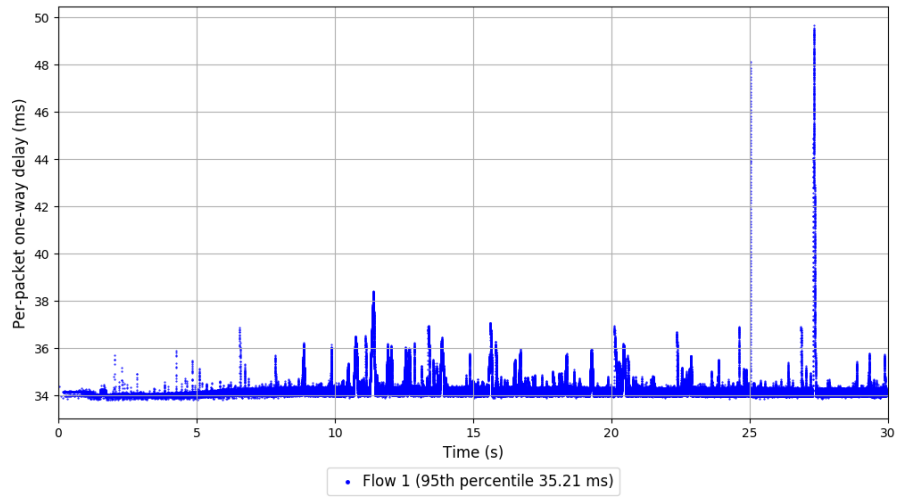
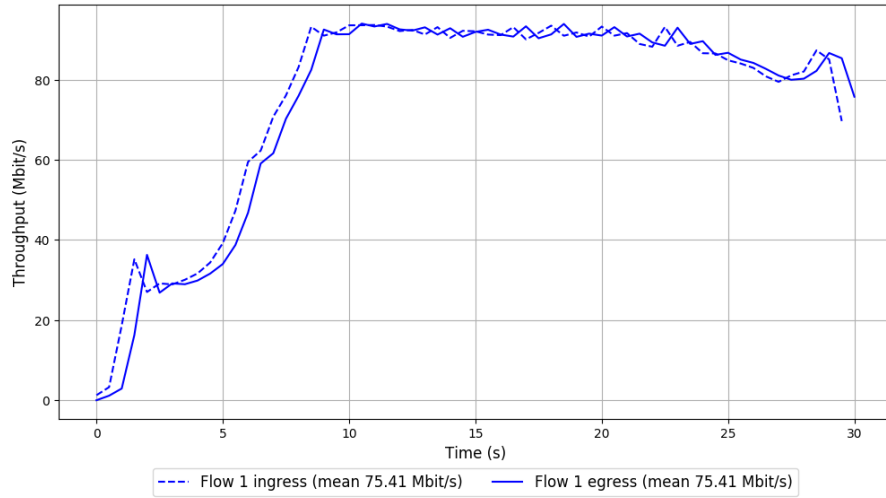
-- Flow 1:

Average throughput: 75.41 Mbit/s

95th percentile per-packet one-way delay: 35.208 ms

Loss rate: 0.00%

Run 1: Report of PCC-Vivace — Data Link



Run 2: Statistics of PCC-Vivace

Start at: 2019-10-02 18:53:41

End at: 2019-10-02 18:54:11

Local clock offset: 8.556 ms

Remote clock offset: 7.648 ms

Below is generated by plot.py at 2019-10-02 22:36:46

Datalink statistics

-- Total of 1 flow:

Average throughput: 81.63 Mbit/s

95th percentile per-packet one-way delay: 42.177 ms

Loss rate: 0.00%

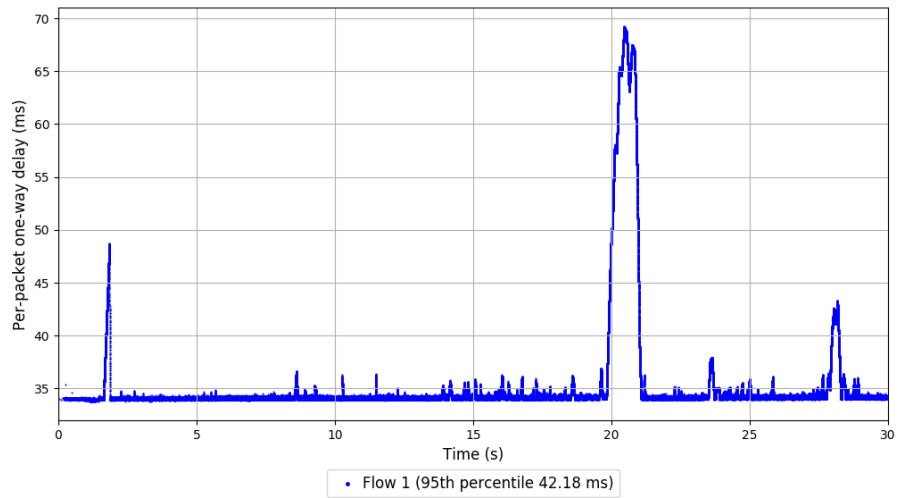
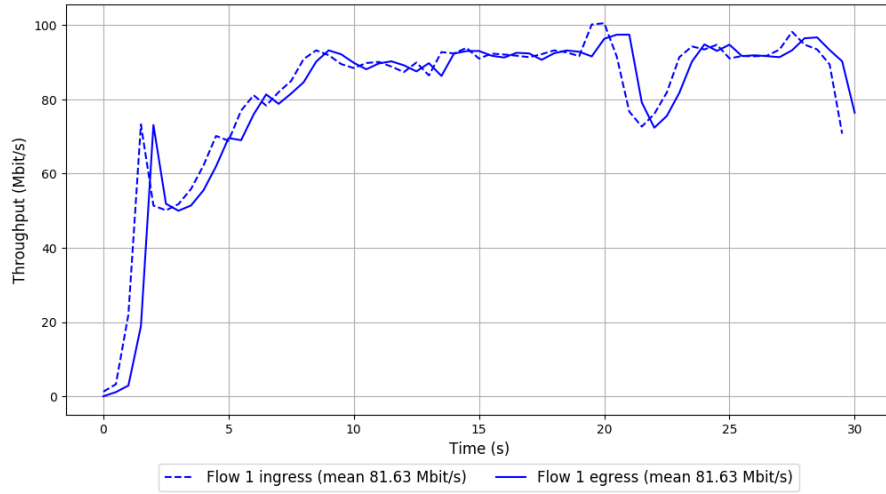
-- Flow 1:

Average throughput: 81.63 Mbit/s

95th percentile per-packet one-way delay: 42.177 ms

Loss rate: 0.00%

Run 2: Report of PCC-Vivace — Data Link



Run 3: Statistics of PCC-Vivace

Start at: 2019-10-02 19:55:24

End at: 2019-10-02 19:55:54

Local clock offset: 0.767 ms

Remote clock offset: 7.763 ms

Below is generated by plot.py at 2019-10-02 22:36:46

Datalink statistics

-- Total of 1 flow:

Average throughput: 81.90 Mbit/s

95th percentile per-packet one-way delay: 35.148 ms

Loss rate: 0.00%

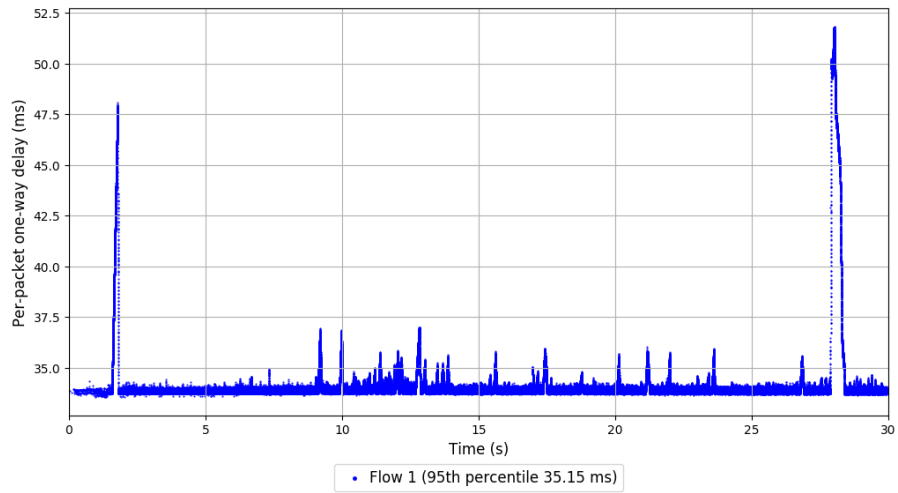
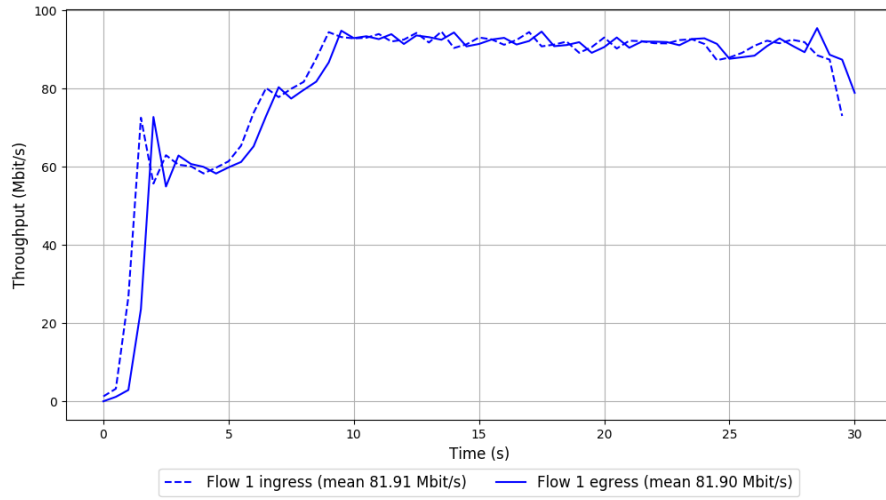
-- Flow 1:

Average throughput: 81.90 Mbit/s

95th percentile per-packet one-way delay: 35.148 ms

Loss rate: 0.00%

Run 3: Report of PCC-Vivace — Data Link



Run 4: Statistics of PCC-Vivace

Start at: 2019-10-02 20:55:03

End at: 2019-10-02 20:55:33

Local clock offset: -0.465 ms

Remote clock offset: 7.576 ms

Below is generated by plot.py at 2019-10-02 22:36:46

Datalink statistics

-- Total of 1 flow:

Average throughput: 83.94 Mbit/s

95th percentile per-packet one-way delay: 35.915 ms

Loss rate: 0.00%

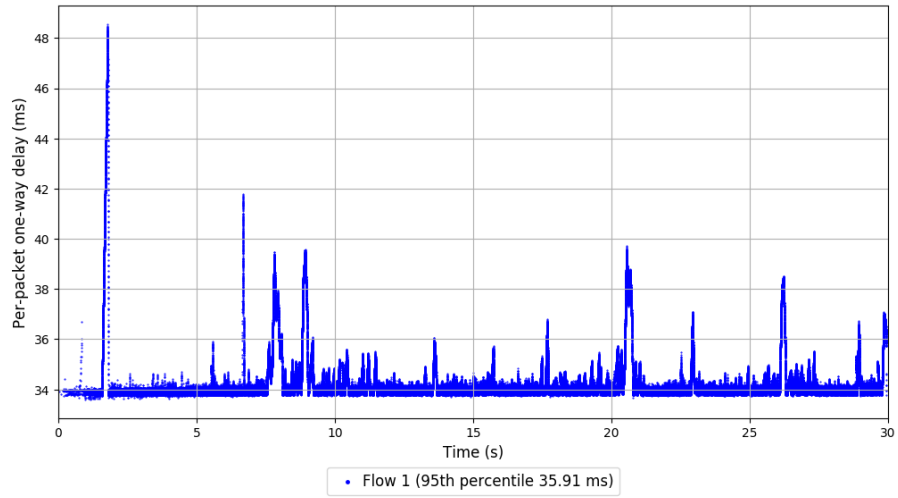
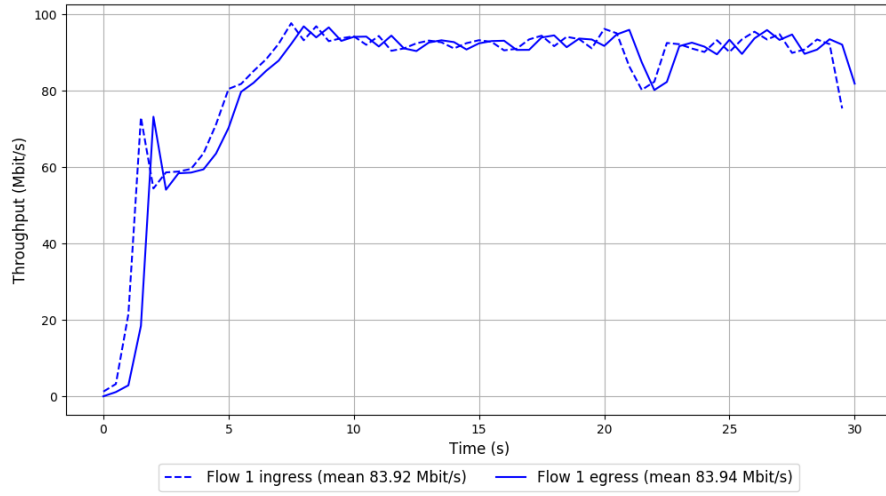
-- Flow 1:

Average throughput: 83.94 Mbit/s

95th percentile per-packet one-way delay: 35.915 ms

Loss rate: 0.00%

Run 4: Report of PCC-Vivace — Data Link



Run 5: Statistics of PCC-Vivace

Start at: 2019-10-02 21:50:29

End at: 2019-10-02 21:50:59

Local clock offset: -0.249 ms

Remote clock offset: 7.373 ms

Below is generated by plot.py at 2019-10-02 22:36:46

Datalink statistics

-- Total of 1 flow:

Average throughput: 72.22 Mbit/s

95th percentile per-packet one-way delay: 37.851 ms

Loss rate: 0.18%

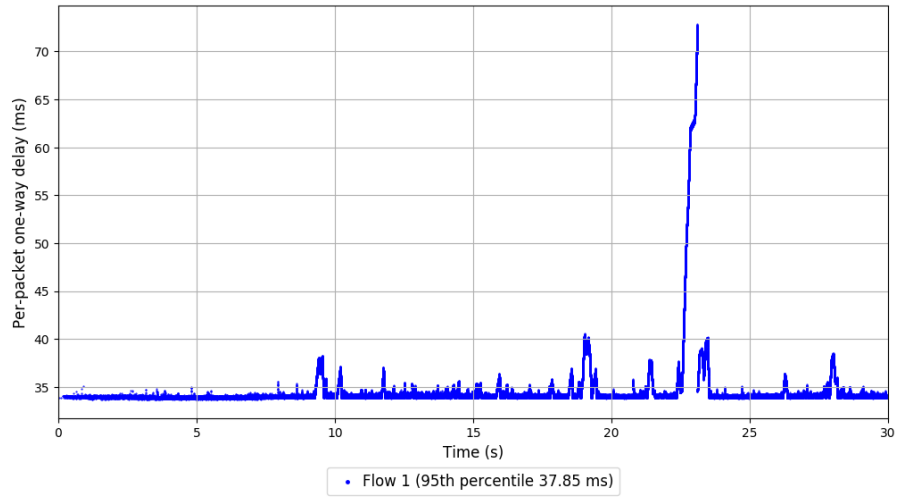
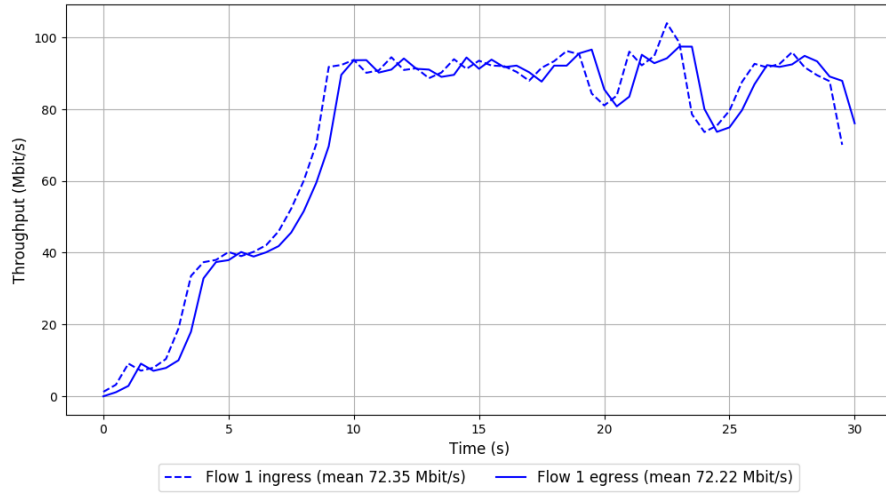
-- Flow 1:

Average throughput: 72.22 Mbit/s

95th percentile per-packet one-way delay: 37.851 ms

Loss rate: 0.18%

Run 5: Report of PCC-Vivace — Data Link



Run 1: Statistics of WebRTC media

Start at: 2019-10-02 17:54:41

End at: 2019-10-02 17:55:11

Local clock offset: 8.644 ms

Remote clock offset: 7.611 ms

Below is generated by plot.py at 2019-10-02 22:36:46

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.05 Mbit/s

95th percentile per-packet one-way delay: 34.551 ms

Loss rate: 0.00%

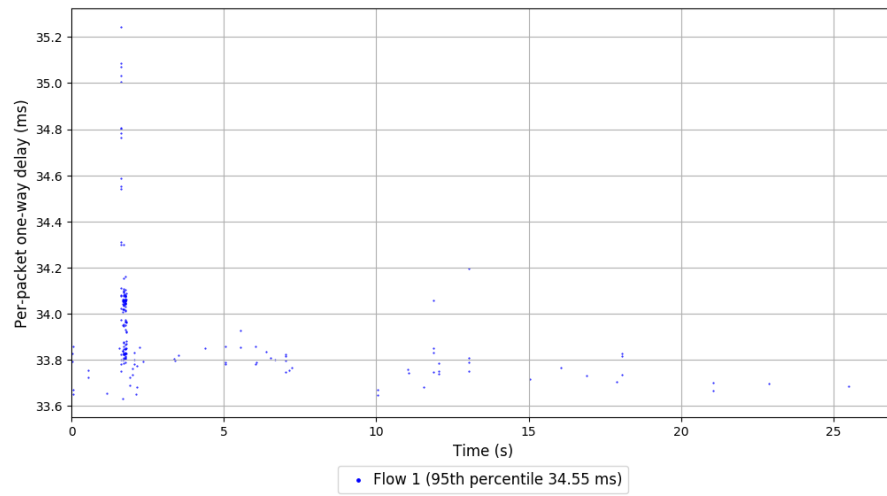
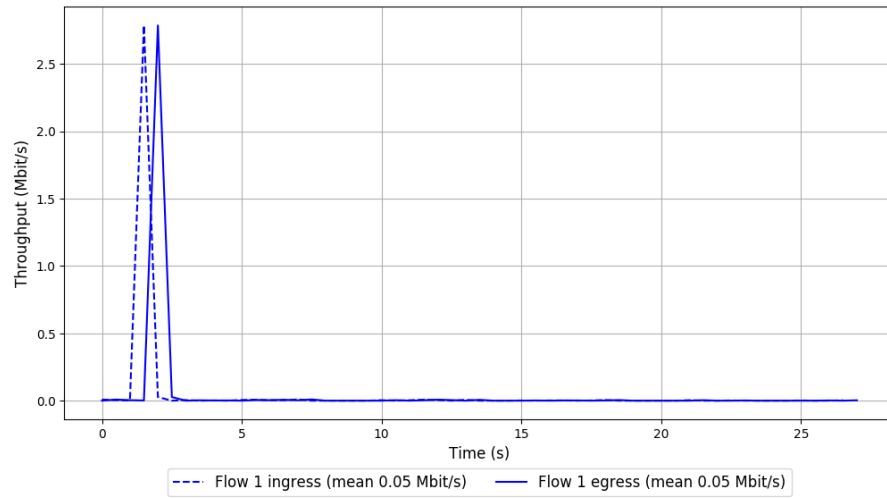
-- Flow 1:

Average throughput: 0.05 Mbit/s

95th percentile per-packet one-way delay: 34.551 ms

Loss rate: 0.00%

Run 1: Report of WebRTC media — Data Link



Run 2: Statistics of WebRTC media

Start at: 2019-10-02 18:49:23

End at: 2019-10-02 18:49:53

Local clock offset: 8.03 ms

Remote clock offset: 7.792 ms

Below is generated by plot.py at 2019-10-02 22:36:46

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.05 Mbit/s

95th percentile per-packet one-way delay: 34.740 ms

Loss rate: 0.00%

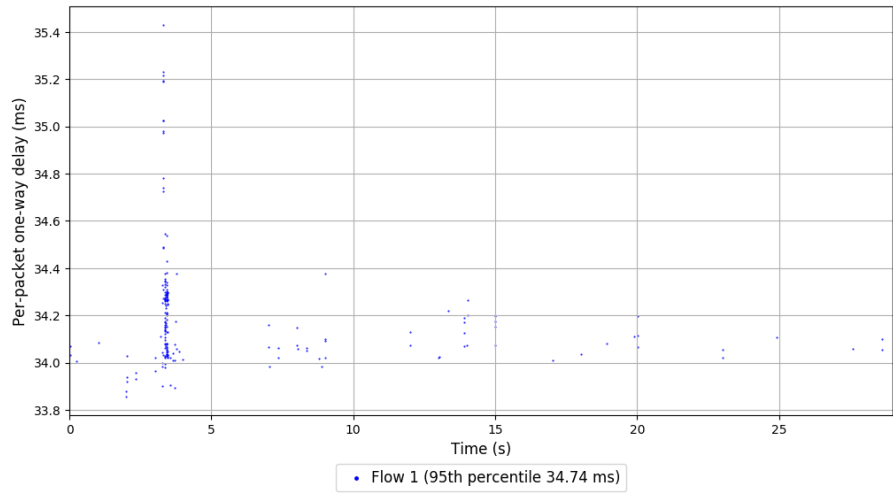
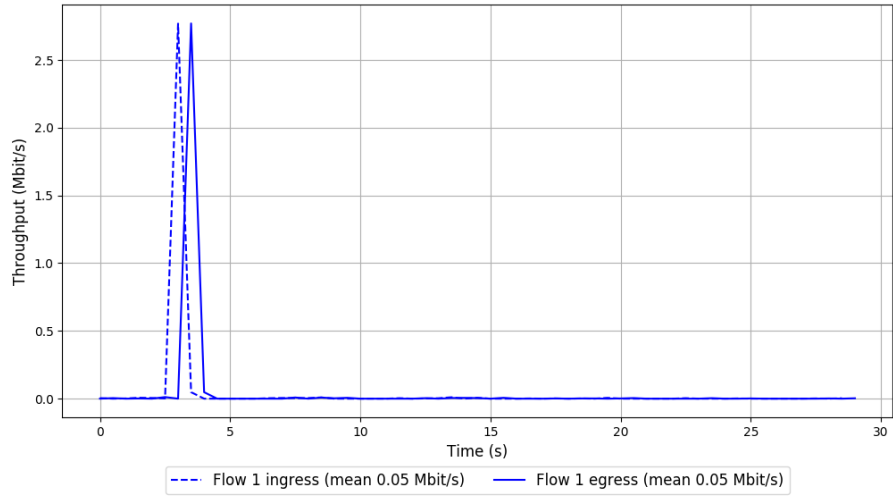
-- Flow 1:

Average throughput: 0.05 Mbit/s

95th percentile per-packet one-way delay: 34.740 ms

Loss rate: 0.00%

Run 2: Report of WebRTC media — Data Link



Run 3: Statistics of WebRTC media

Start at: 2019-10-02 19:51:37

End at: 2019-10-02 19:52:07

Local clock offset: 0.718 ms

Remote clock offset: 7.826 ms

Below is generated by plot.py at 2019-10-02 22:36:46

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.05 Mbit/s

95th percentile per-packet one-way delay: 34.744 ms

Loss rate: 0.00%

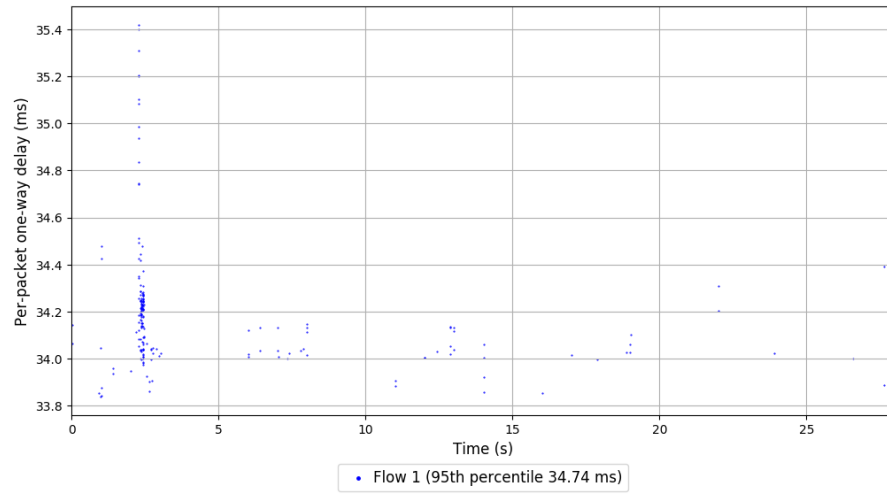
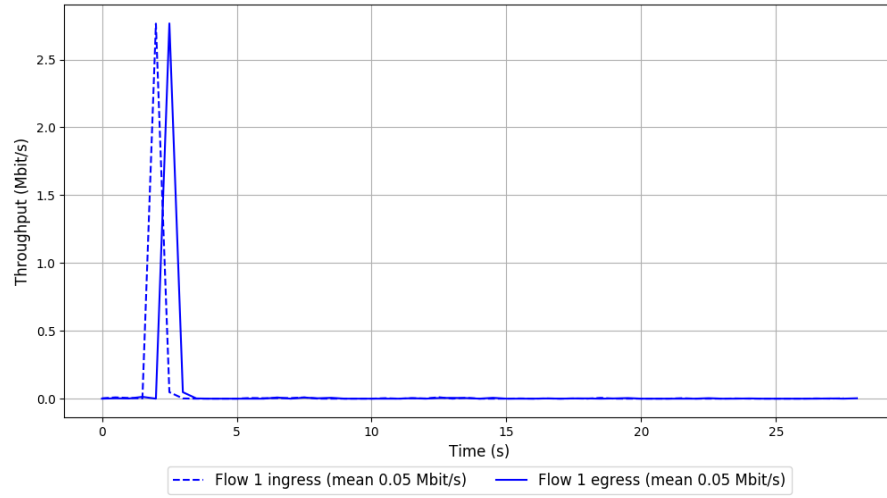
-- Flow 1:

Average throughput: 0.05 Mbit/s

95th percentile per-packet one-way delay: 34.744 ms

Loss rate: 0.00%

Run 3: Report of WebRTC media — Data Link



Run 4: Statistics of WebRTC media

Start at: 2019-10-02 20:50:55

End at: 2019-10-02 20:51:25

Local clock offset: -0.408 ms

Remote clock offset: 7.601 ms

Below is generated by plot.py at 2019-10-02 22:36:46

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.05 Mbit/s

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

Loss rate: 0.00%

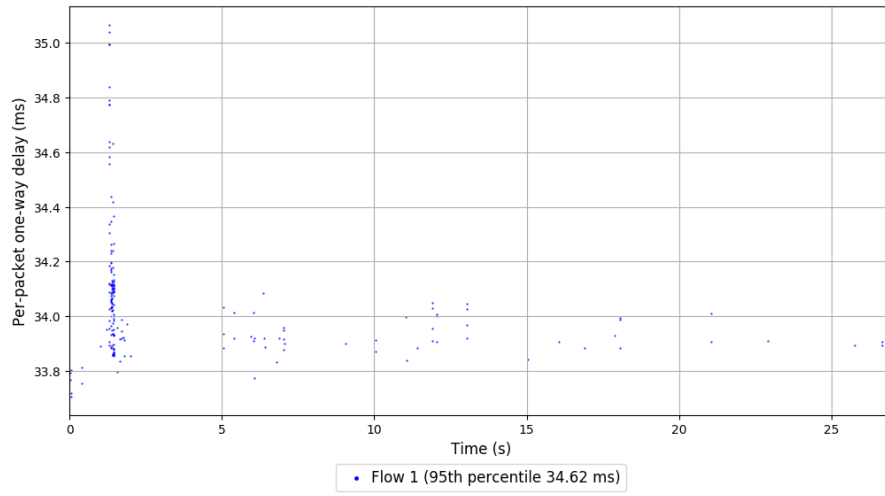
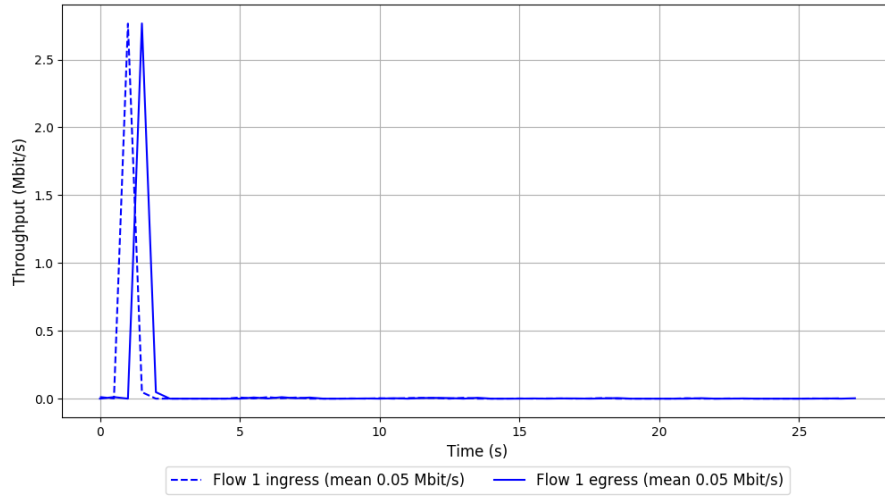
-- Flow 1:

Average throughput: 0.05 Mbit/s

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

Loss rate: 0.00%

Run 4: Report of WebRTC media — Data Link



Run 5: Statistics of WebRTC media

Start at: 2019-10-02 21:47:23

End at: 2019-10-02 21:47:53

Local clock offset: -0.259 ms

Remote clock offset: 7.479 ms

Below is generated by plot.py at 2019-10-02 22:36:46

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.05 Mbit/s

95th percentile per-packet one-way delay: 34.948 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 0.05 Mbit/s

95th percentile per-packet one-way delay: 34.948 ms

Loss rate: 0.00%

Run 5: Report of WebRTC media — Data Link

