

Pantheon Report

Generated at 2020-02-18 00:15:02 (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:

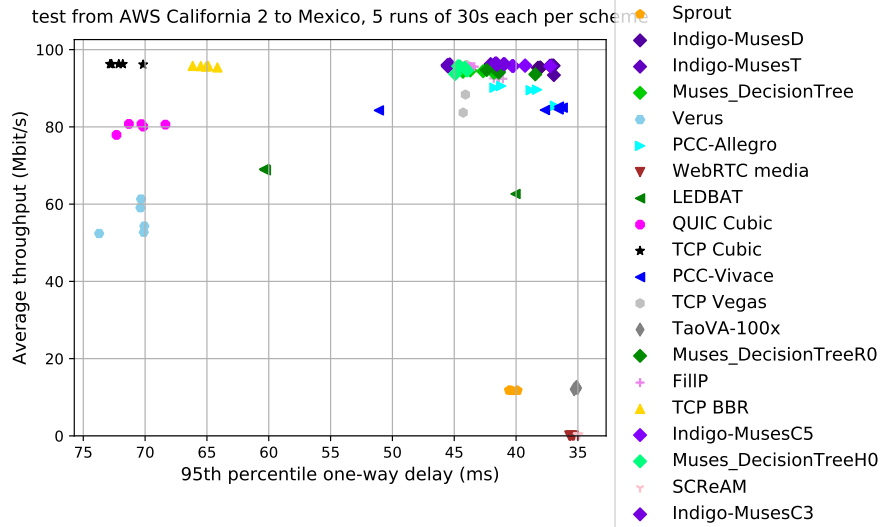
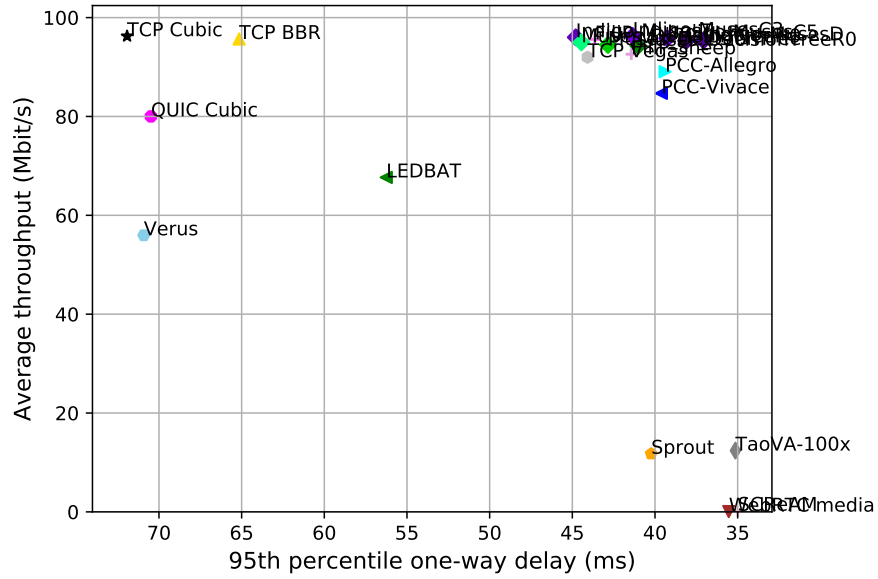
```
Linux 4.15.0-1056-aws
net.core.default_qdisc = fq
net.core.rmem_default = 16777216
net.core.rmem_max = 536870912
net.core.wmem_default = 16777216
net.core.wmem_max = 536870912
net.ipv4.tcp_rmem = 4096 16777216 536870912
net.ipv4.tcp_wmem = 4096 16777216 536870912
```

Git summary:

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

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

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



scheme	# runs	mean avg tput (Mbit/s) flow 1	mean 95th-%ile delay (ms) flow 1	mean loss rate (%) flow 1
TCP BBR	5	95.67	65.15	1.80
Copa	0	N/A	N/A	N/A
TCP Cubic	5	96.24	71.93	0.41
FillP	5	95.57	43.64	0.65
FillP-Sheep	5	92.60	41.44	0.61
Indigo	5	95.31	38.11	0.00
Indigo-MusesC3	5	96.29	41.35	0.05
Indigo-MusesC5	5	95.79	39.26	0.01
Indigo-MusesD	5	95.38	37.06	0.00
Indigo-MusesT	5	96.01	44.79	0.72
LEDBAT	5	67.67	56.26	0.00
Muses_DecisionTree	5	94.47	42.85	0.05
Muses_DecisionTreeH0	5	94.99	44.45	0.12
Muses_DecisionTreeR0	5	94.31	41.01	0.06
PCC-Allegro	5	89.06	39.39	0.74
PCC-Expr	0	N/A	N/A	N/A
QUIC Cubic	5	80.01	70.49	1.74
SCReAM	5	0.21	34.99	0.00
Sprout	5	11.76	40.23	0.00
TaoVA-100x	5	12.40	35.14	66.36
TCP Vegas	5	91.99	44.08	0.28
Verus	5	55.96	70.92	28.54
PCC-Vivace	5	84.68	39.62	0.00
WebRTC media	5	0.05	35.54	0.00

Run 1: Statistics of TCP BBR

Start at: 2020-02-17 21:48:20

End at: 2020-02-17 21:48:50

Local clock offset: 4.735 ms

Remote clock offset: 5.732 ms

Below is generated by plot.py at 2020-02-18 00:03:02

Datalink statistics

-- Total of 1 flow:

Average throughput: 95.40 Mbit/s

95th percentile per-packet one-way delay: 64.152 ms

Loss rate: 1.77%

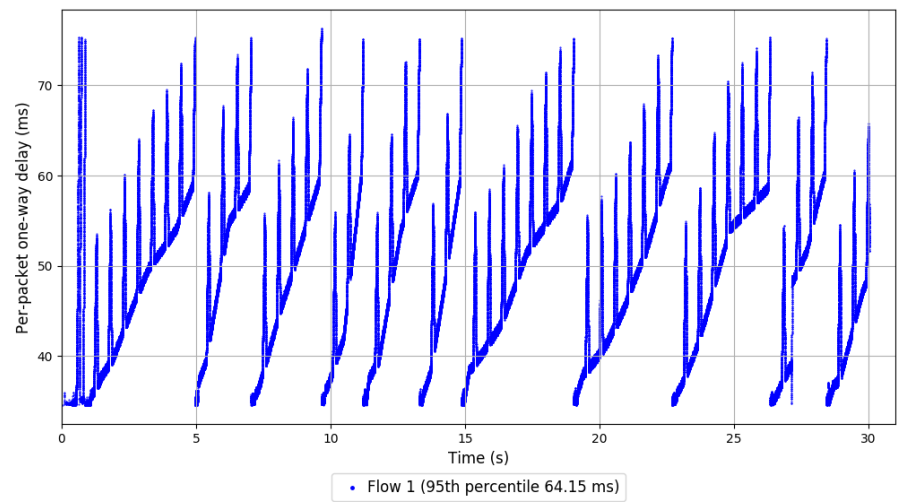
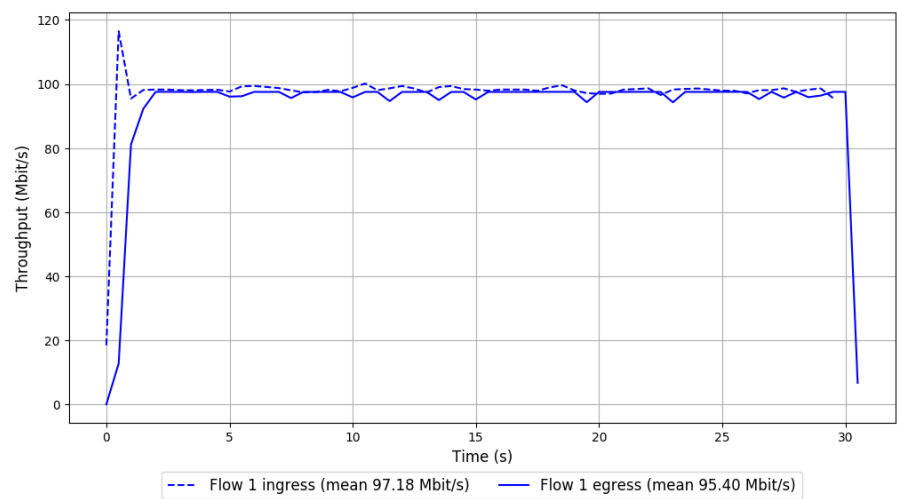
-- Flow 1:

Average throughput: 95.40 Mbit/s

95th percentile per-packet one-way delay: 64.152 ms

Loss rate: 1.77%

Run 1: Report of TCP BBR — Data Link



Run 2: Statistics of TCP BBR

Start at: 2020-02-17 22:20:06

End at: 2020-02-17 22:20:36

Local clock offset: 5.801 ms

Remote clock offset: 6.256 ms

Below is generated by plot.py at 2020-02-18 00:03:03

Datalink statistics

-- Total of 1 flow:

Average throughput: 95.74 Mbit/s

95th percentile per-packet one-way delay: 65.494 ms

Loss rate: 1.97%

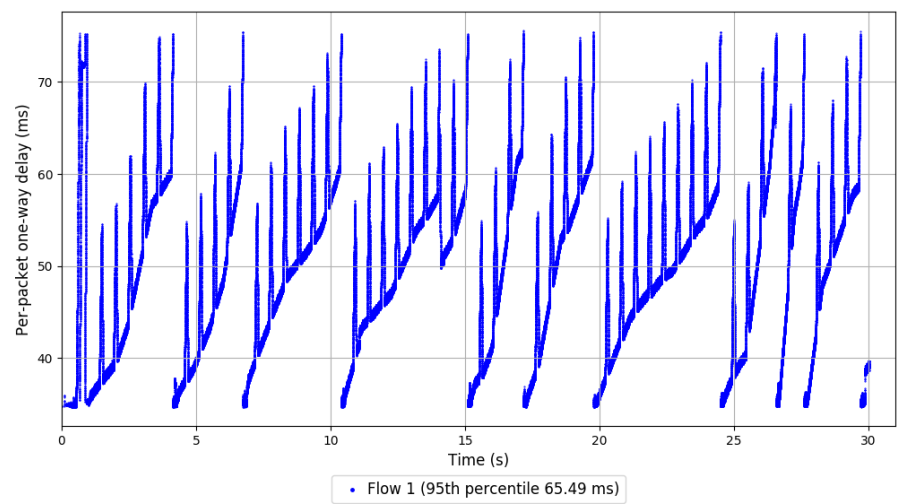
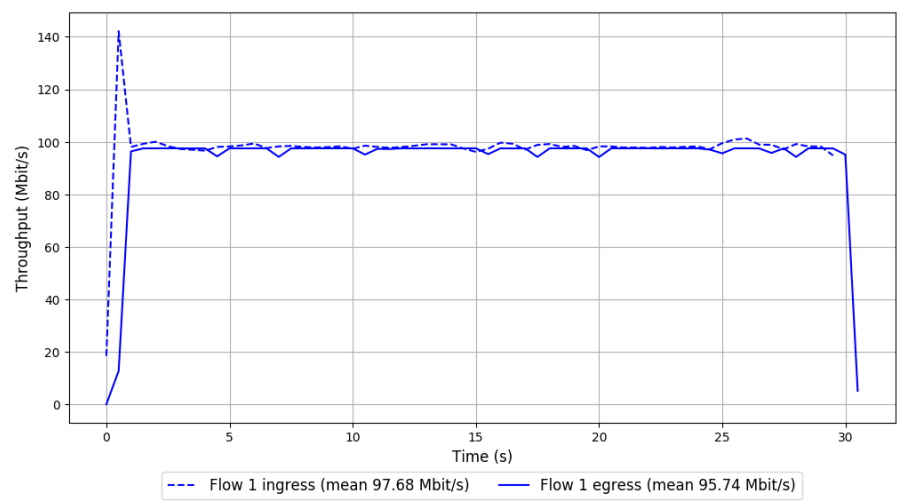
-- Flow 1:

Average throughput: 95.74 Mbit/s

95th percentile per-packet one-way delay: 65.494 ms

Loss rate: 1.97%

Run 2: Report of TCP BBR — Data Link



Run 3: Statistics of TCP BBR

Start at: 2020-02-17 22:49:20

End at: 2020-02-17 22:49:50

Local clock offset: 5.766 ms

Remote clock offset: 5.832 ms

Below is generated by plot.py at 2020-02-18 00:03:03

Datalink statistics

-- Total of 1 flow:

Average throughput: 95.79 Mbit/s

95th percentile per-packet one-way delay: 66.153 ms

Loss rate: 1.78%

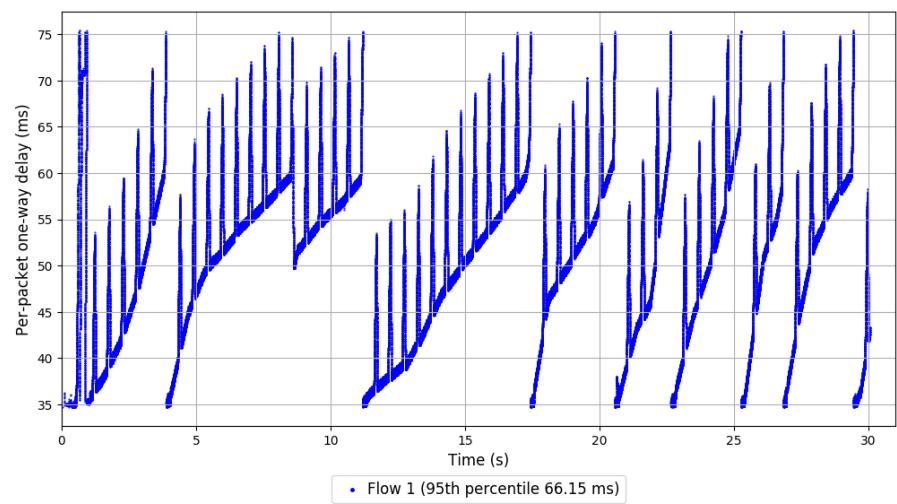
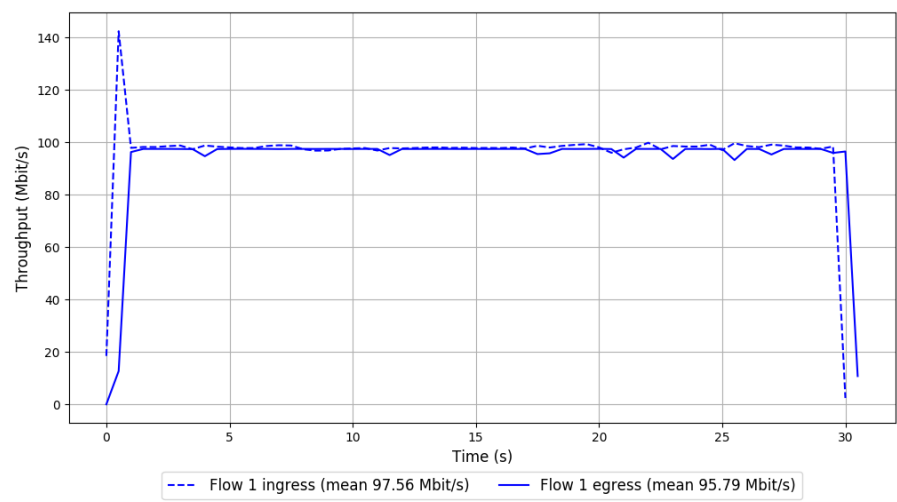
-- Flow 1:

Average throughput: 95.79 Mbit/s

95th percentile per-packet one-way delay: 66.153 ms

Loss rate: 1.78%

Run 3: Report of TCP BBR — Data Link



Run 4: Statistics of TCP BBR

Start at: 2020-02-17 23:19:09

End at: 2020-02-17 23:19:39

Local clock offset: 3.846 ms

Remote clock offset: 5.674 ms

Below is generated by plot.py at 2020-02-18 00:03:04

Datalink statistics

-- Total of 1 flow:

Average throughput: 95.62 Mbit/s

95th percentile per-packet one-way delay: 65.060 ms

Loss rate: 1.90%

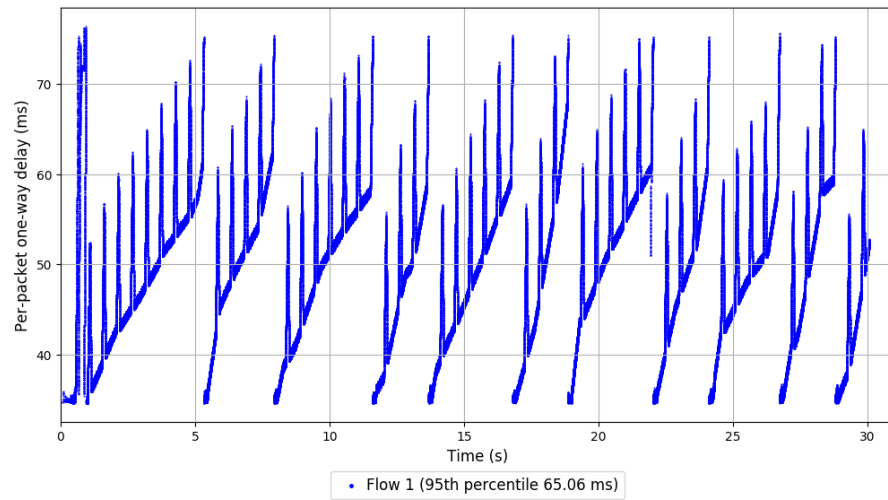
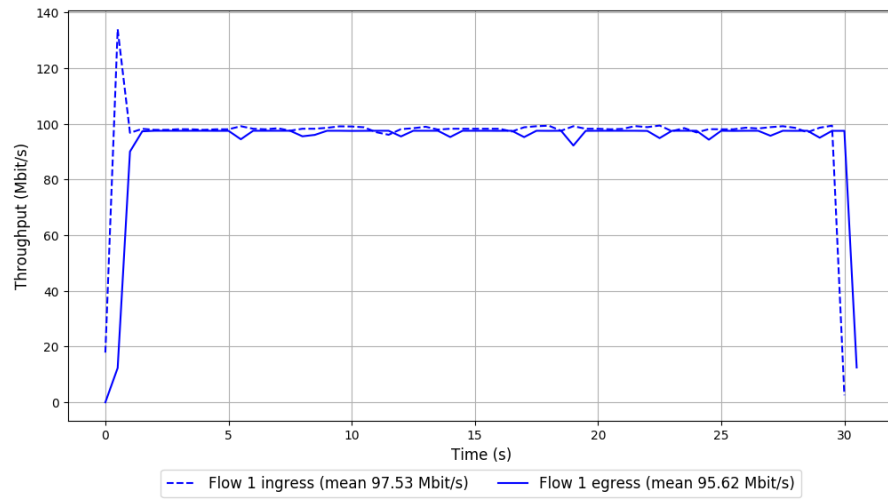
-- Flow 1:

Average throughput: 95.62 Mbit/s

95th percentile per-packet one-way delay: 65.060 ms

Loss rate: 1.90%

Run 4: Report of TCP BBR — Data Link



Run 5: Statistics of TCP BBR

Start at: 2020-02-17 23:49:13

End at: 2020-02-17 23:49:43

Local clock offset: 4.659 ms

Remote clock offset: 5.519 ms

Below is generated by plot.py at 2020-02-18 00:03:04

Datalink statistics

-- Total of 1 flow:

Average throughput: 95.80 Mbit/s

95th percentile per-packet one-way delay: 64.897 ms

Loss rate: 1.56%

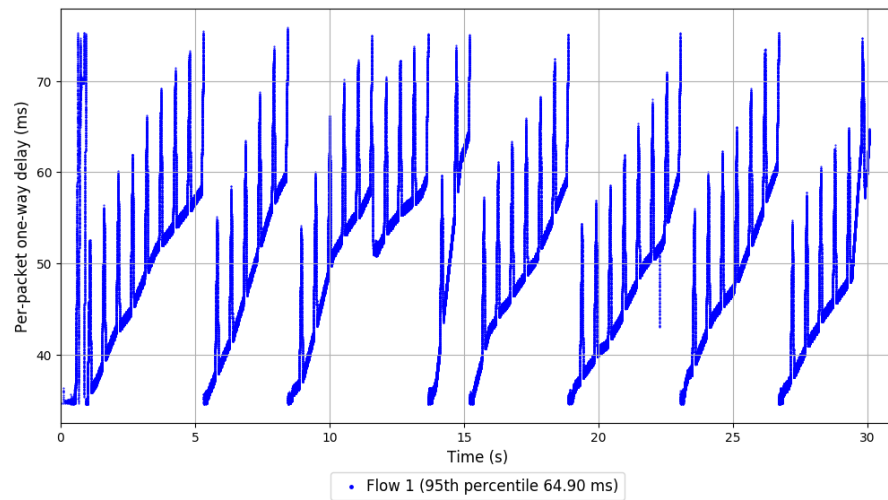
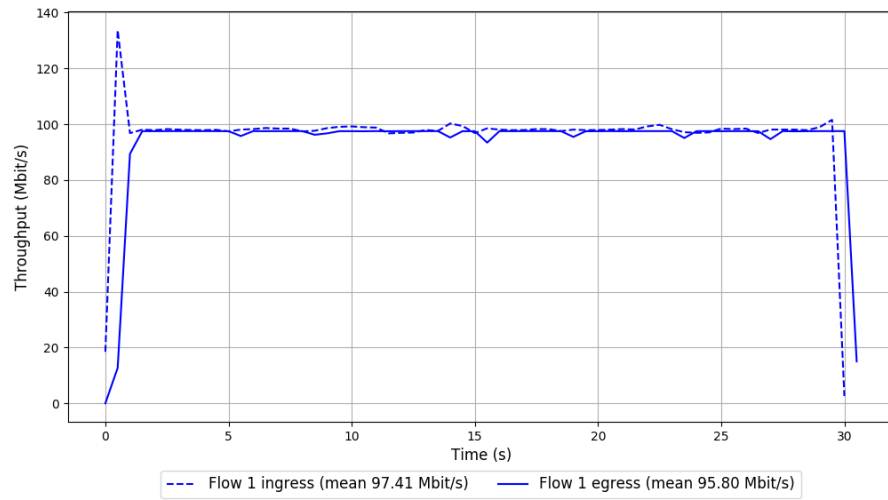
-- Flow 1:

Average throughput: 95.80 Mbit/s

95th percentile per-packet one-way delay: 64.897 ms

Loss rate: 1.56%

Run 5: Report of TCP BBR — Data Link



Run 1: Statistics of Copa

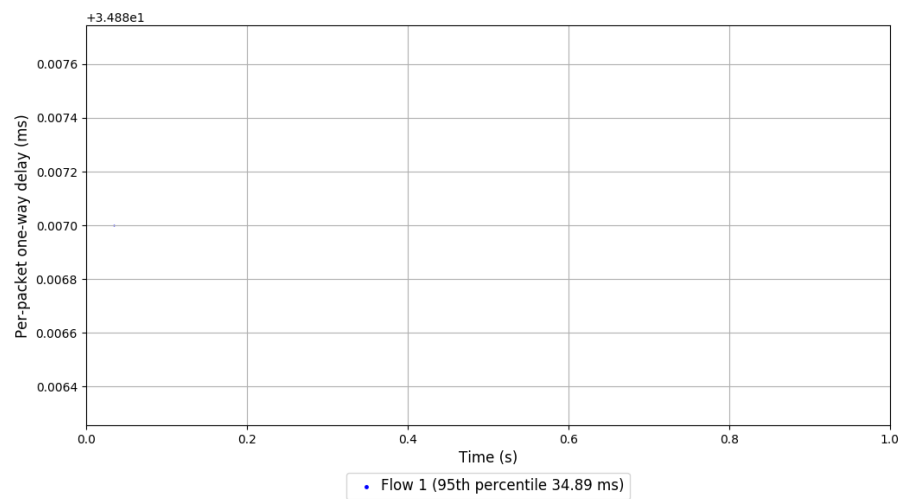
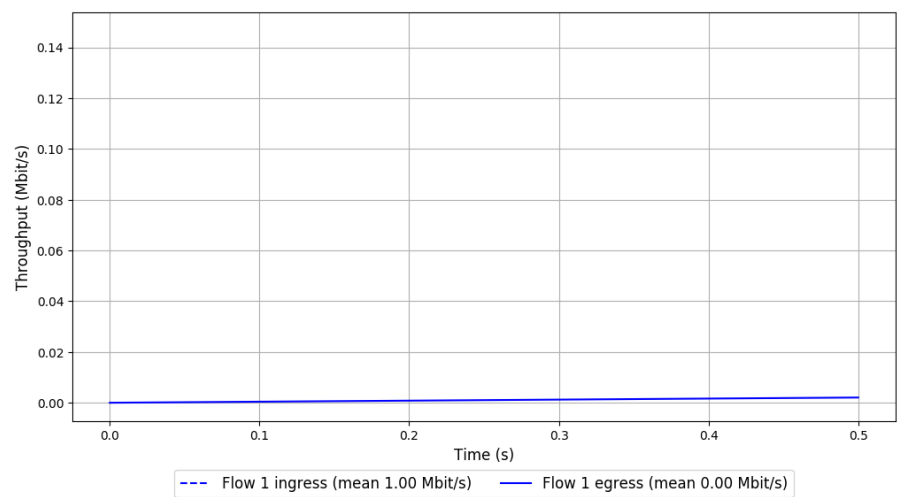
Start at: 2020-02-17 21:42:15

End at: 2020-02-17 21:42:45

Local clock offset: 4.552 ms

Remote clock offset: 5.771 ms

Run 1: Report of Copa — Data Link



Run 2: Statistics of Copa

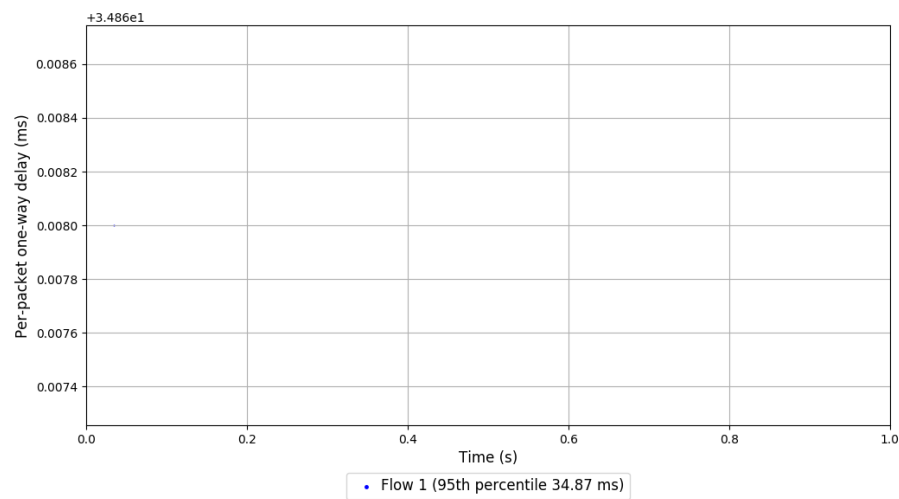
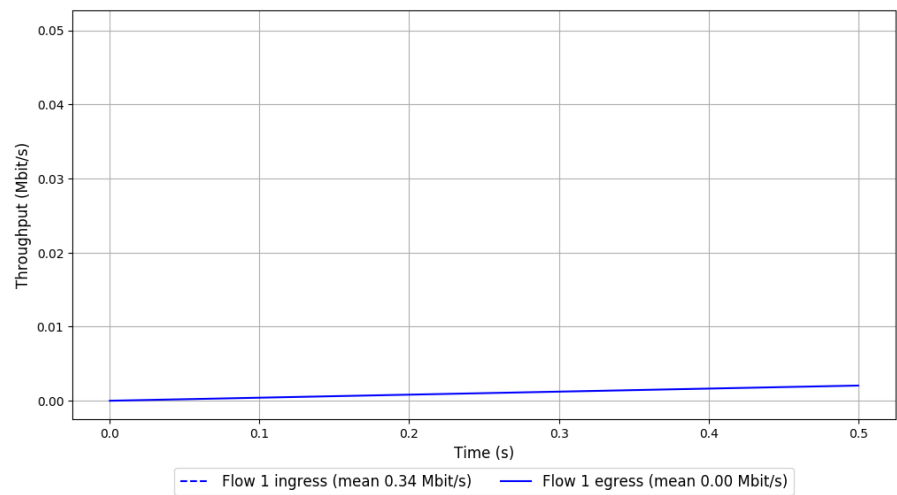
Start at: 2020-02-17 22:14:08

End at: 2020-02-17 22:14:38

Local clock offset: 5.511 ms

Remote clock offset: 6.131 ms

Run 2: Report of Copa — Data Link



Run 3: Statistics of Copa

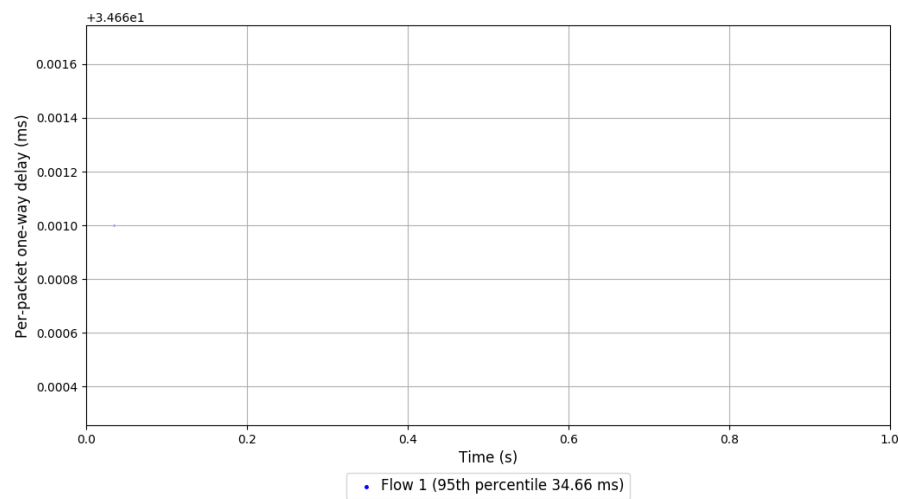
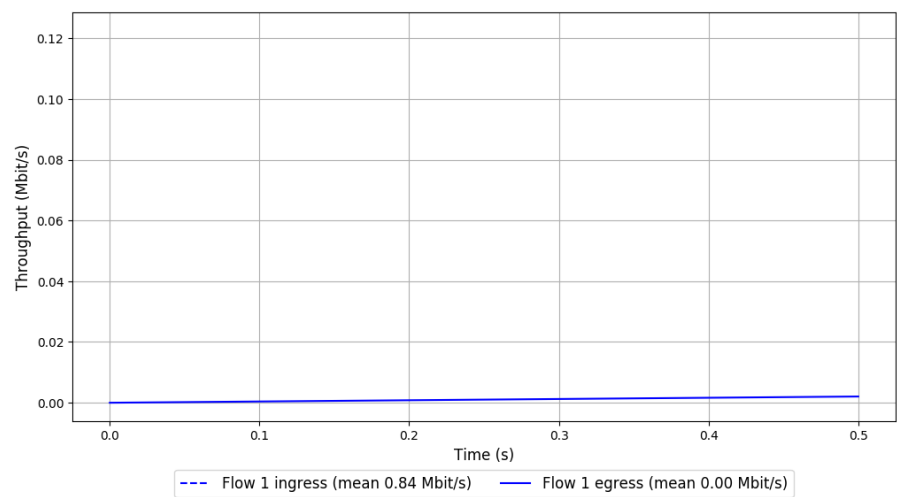
Start at: 2020-02-17 22:43:33

End at: 2020-02-17 22:44:03

Local clock offset: 5.676 ms

Remote clock offset: 5.826 ms

Run 3: Report of Copa — Data Link



Run 4: Statistics of Copa

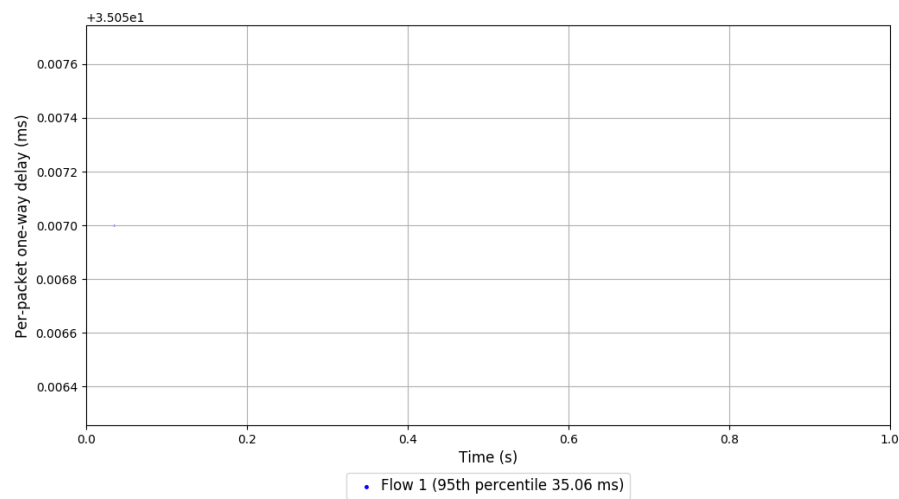
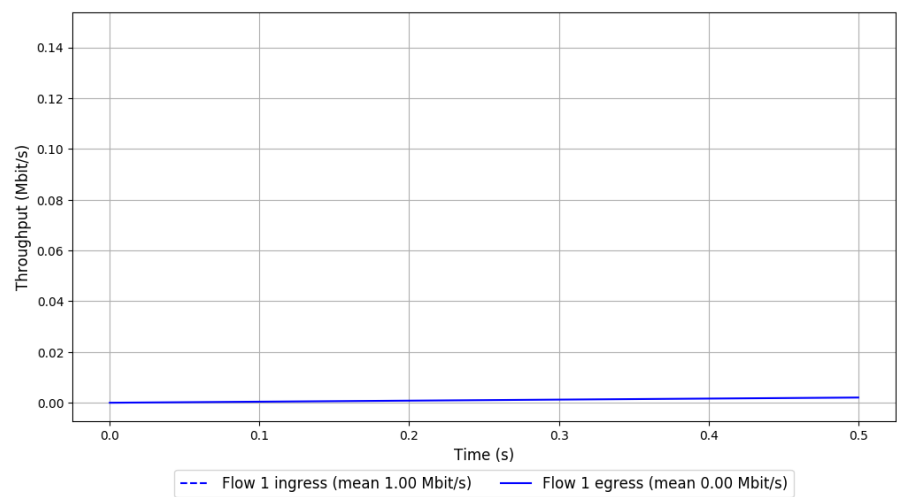
Start at: 2020-02-17 23:13:13

End at: 2020-02-17 23:13:43

Local clock offset: 4.038 ms

Remote clock offset: 5.645 ms

Run 4: Report of Copa — Data Link



Run 5: Statistics of Copa

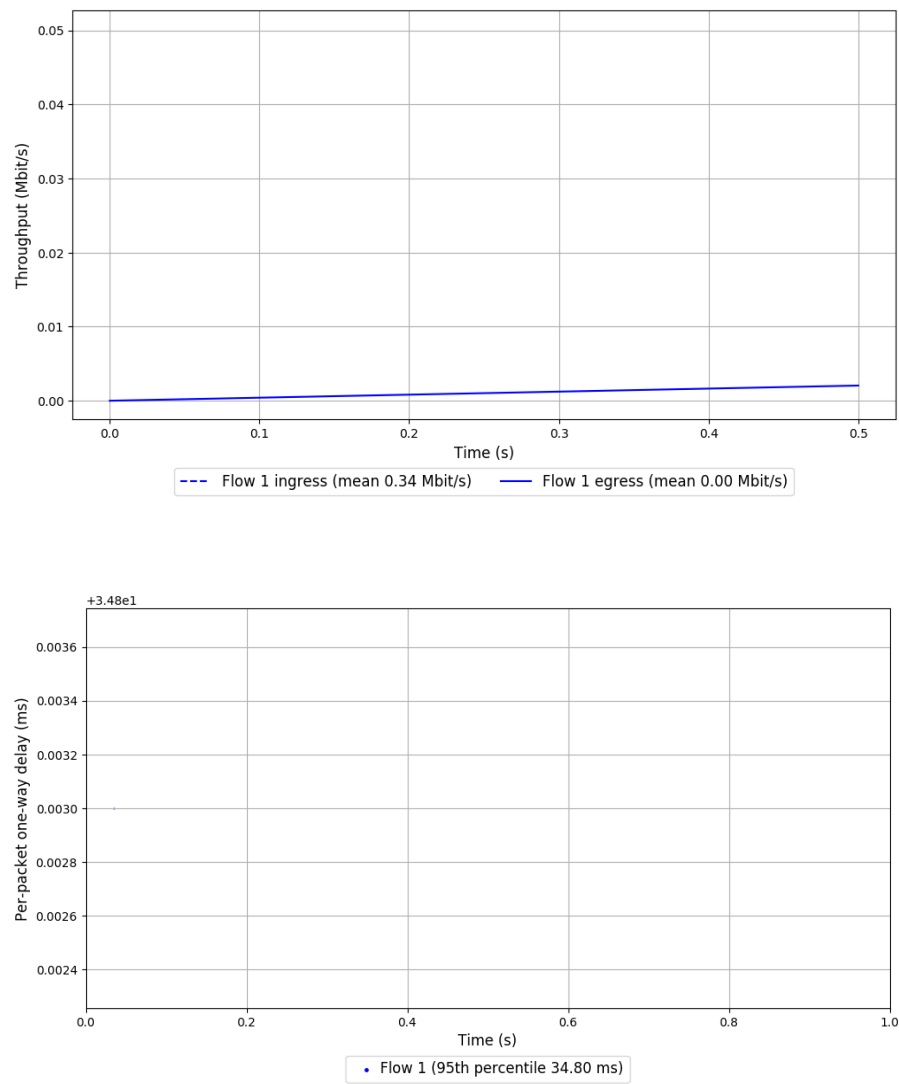
Start at: 2020-02-17 23:43:15

End at: 2020-02-17 23:43:45

Local clock offset: 4.552 ms

Remote clock offset: 5.628 ms

Run 5: Report of Copa — Data Link



Run 1: Statistics of TCP Cubic

Start at: 2020-02-17 21:53:56

End at: 2020-02-17 21:54:26

Local clock offset: 4.958 ms

Remote clock offset: 5.943 ms

Below is generated by plot.py at 2020-02-18 00:03:05

Datalink statistics

-- Total of 1 flow:

Average throughput: 96.27 Mbit/s

95th percentile per-packet one-way delay: 72.837 ms

Loss rate: 0.44%

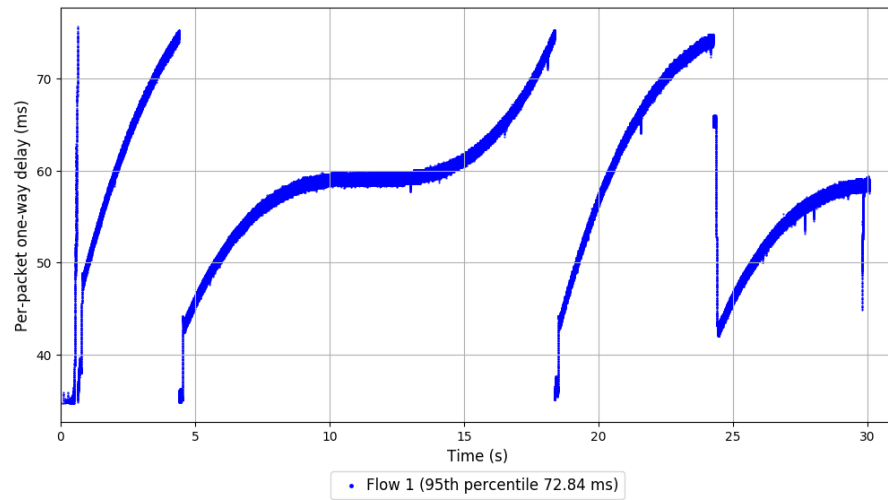
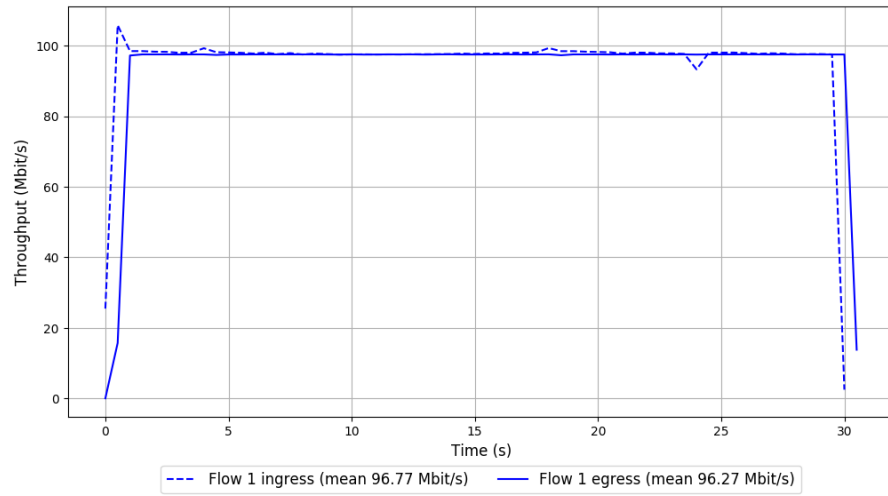
-- Flow 1:

Average throughput: 96.27 Mbit/s

95th percentile per-packet one-way delay: 72.837 ms

Loss rate: 0.44%

Run 1: Report of TCP Cubic — Data Link



Run 2: Statistics of TCP Cubic

Start at: 2020-02-17 22:25:20

End at: 2020-02-17 22:25:50

Local clock offset: 5.993 ms

Remote clock offset: 5.937 ms

Below is generated by plot.py at 2020-02-18 00:03:05

Datalink statistics

-- Total of 1 flow:

Average throughput: 96.27 Mbit/s

95th percentile per-packet one-way delay: 72.716 ms

Loss rate: 0.33%

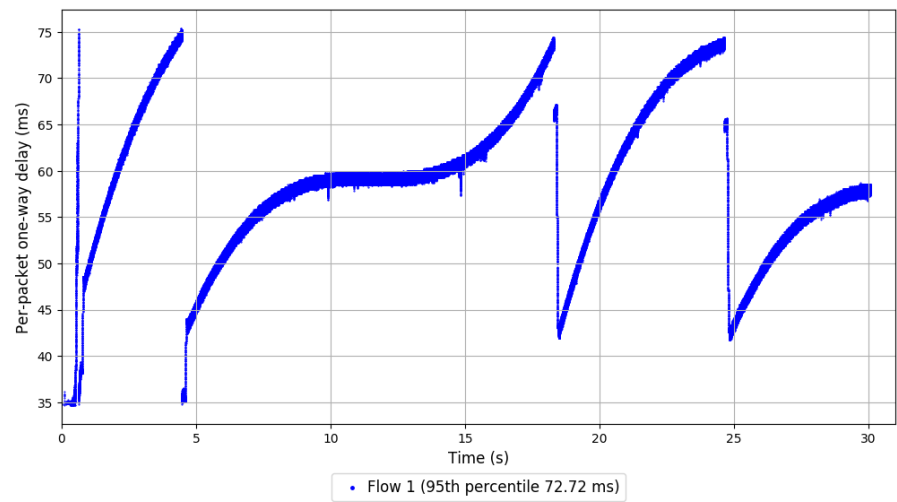
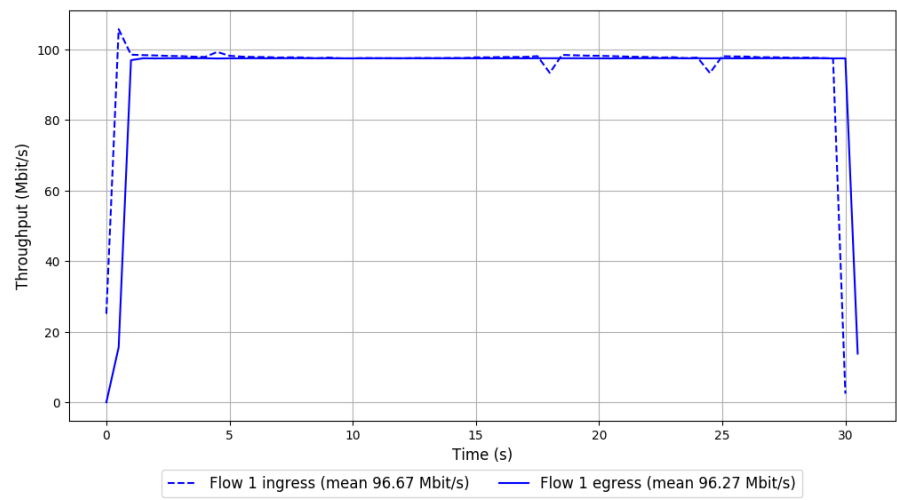
-- Flow 1:

Average throughput: 96.27 Mbit/s

95th percentile per-packet one-way delay: 72.716 ms

Loss rate: 0.33%

Run 2: Report of TCP Cubic — Data Link



Run 3: Statistics of TCP Cubic

Start at: 2020-02-17 22:54:26

End at: 2020-02-17 22:54:56

Local clock offset: 5.878 ms

Remote clock offset: 5.846 ms

Below is generated by plot.py at 2020-02-18 00:03:06

Datalink statistics

-- Total of 1 flow:

Average throughput: 96.27 Mbit/s

95th percentile per-packet one-way delay: 72.128 ms

Loss rate: 0.23%

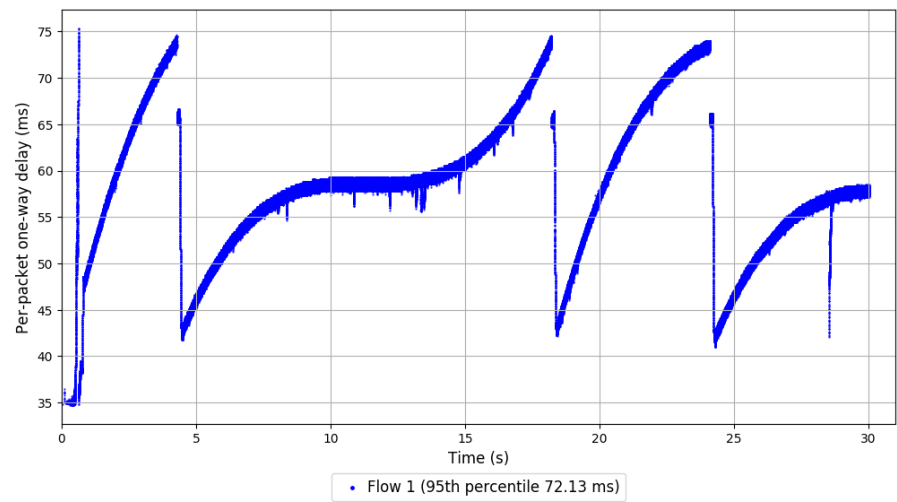
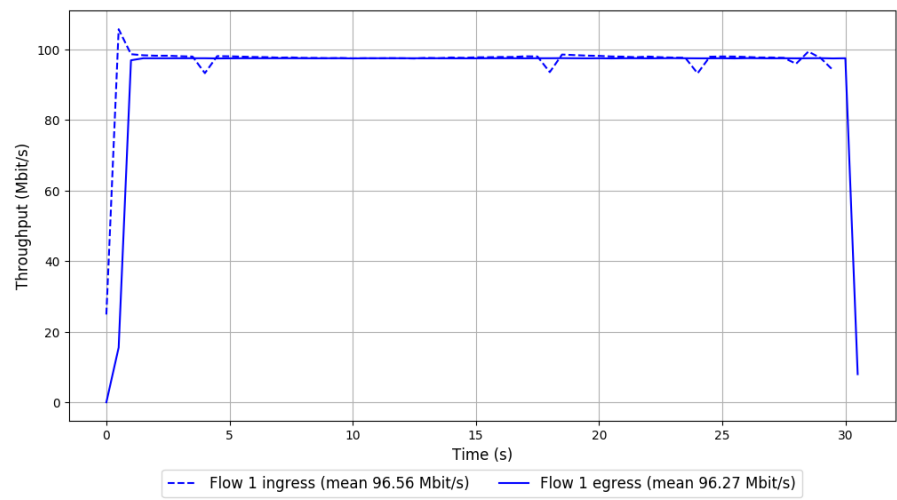
-- Flow 1:

Average throughput: 96.27 Mbit/s

95th percentile per-packet one-way delay: 72.128 ms

Loss rate: 0.23%

Run 3: Report of TCP Cubic — Data Link



Run 4: Statistics of TCP Cubic

Start at: 2020-02-17 23:24:28

End at: 2020-02-17 23:24:58

Local clock offset: 3.737 ms

Remote clock offset: 5.563 ms

Below is generated by plot.py at 2020-02-18 00:04:16

Datalink statistics

-- Total of 1 flow:

Average throughput: 96.14 Mbit/s

95th percentile per-packet one-way delay: 70.158 ms

Loss rate: 0.48%

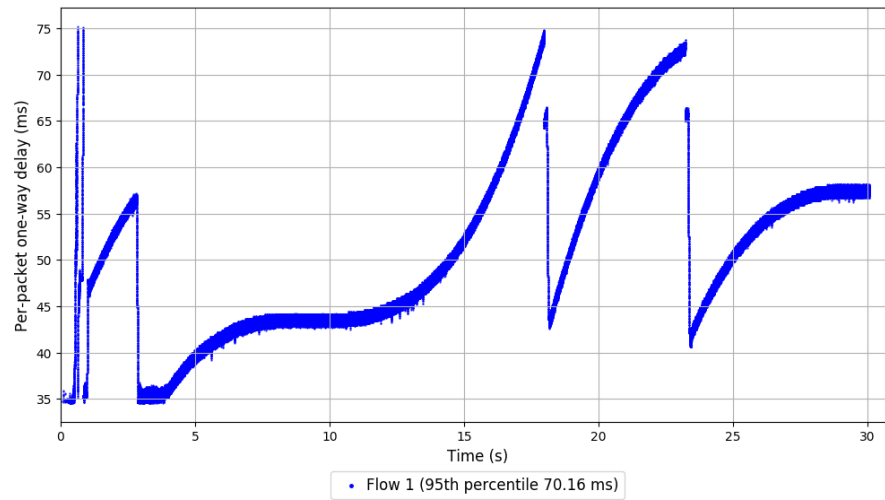
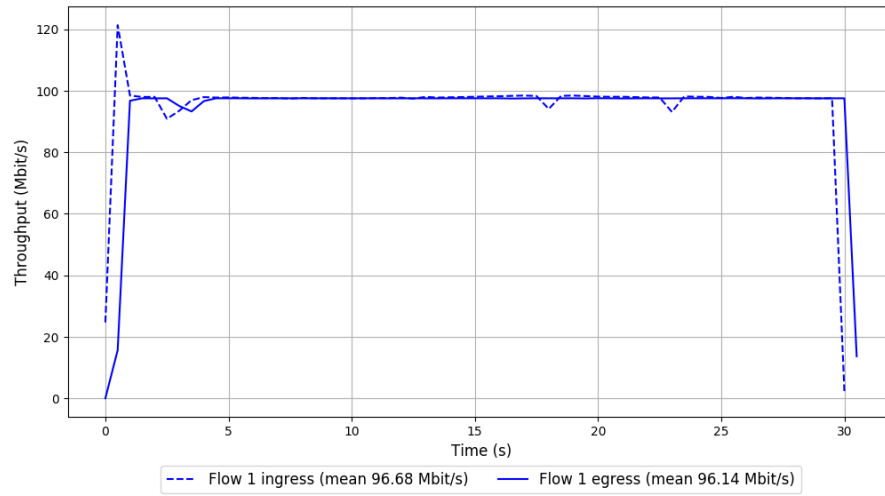
-- Flow 1:

Average throughput: 96.14 Mbit/s

95th percentile per-packet one-way delay: 70.158 ms

Loss rate: 0.48%

Run 4: Report of TCP Cubic — Data Link



Run 5: Statistics of TCP Cubic

Start at: 2020-02-17 23:54:41

End at: 2020-02-17 23:55:11

Local clock offset: 4.756 ms

Remote clock offset: 5.484 ms

Below is generated by plot.py at 2020-02-18 00:04:17

Datalink statistics

-- Total of 1 flow:

Average throughput: 96.26 Mbit/s

95th percentile per-packet one-way delay: 71.806 ms

Loss rate: 0.58%

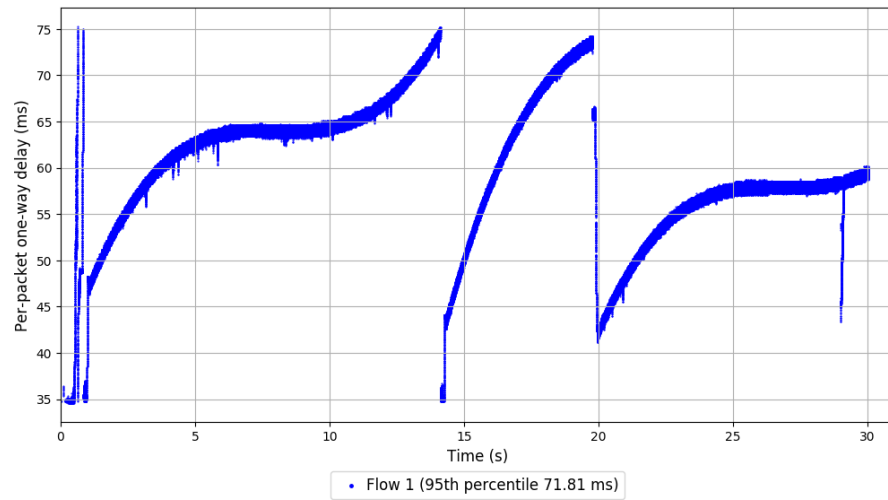
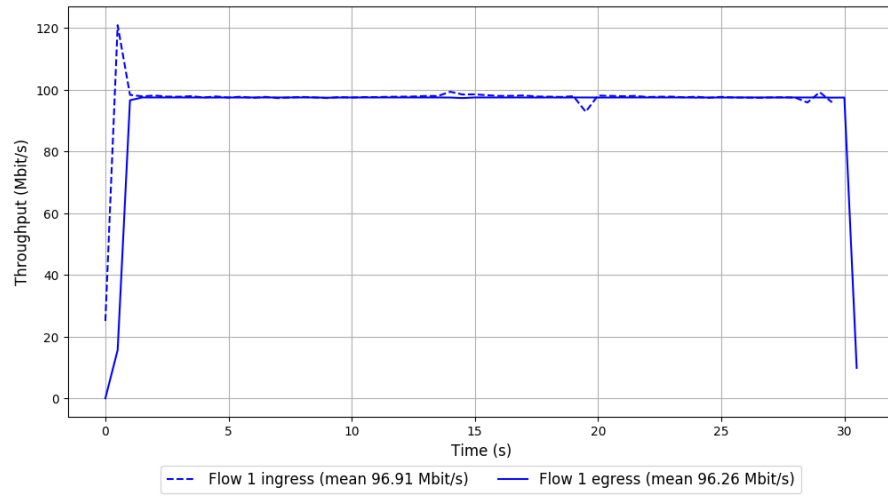
-- Flow 1:

Average throughput: 96.26 Mbit/s

95th percentile per-packet one-way delay: 71.806 ms

Loss rate: 0.58%

Run 5: Report of TCP Cubic — Data Link



Run 1: Statistics of FillP

Start at: 2020-02-17 21:32:01

End at: 2020-02-17 21:32:32

Local clock offset: 3.877 ms

Remote clock offset: 5.69 ms

Below is generated by plot.py at 2020-02-18 00:04:27

Datalink statistics

-- Total of 1 flow:

Average throughput: 95.55 Mbit/s

95th percentile per-packet one-way delay: 43.826 ms

Loss rate: 0.65%

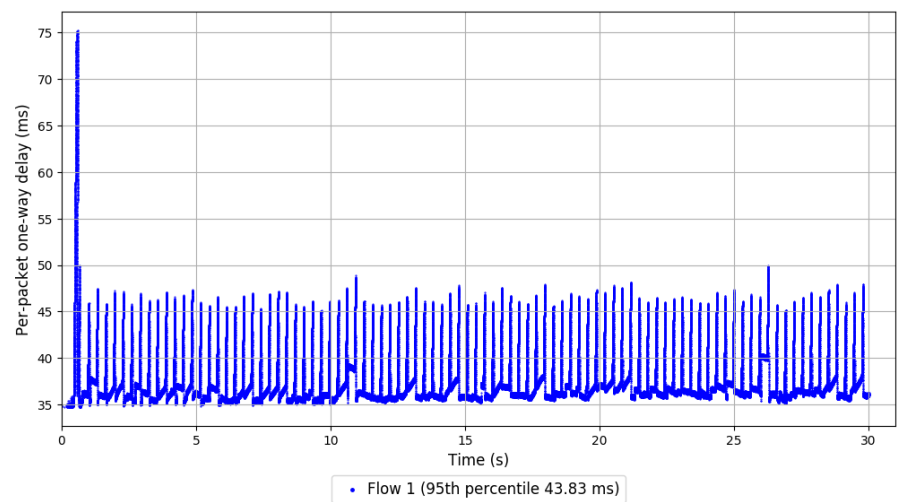
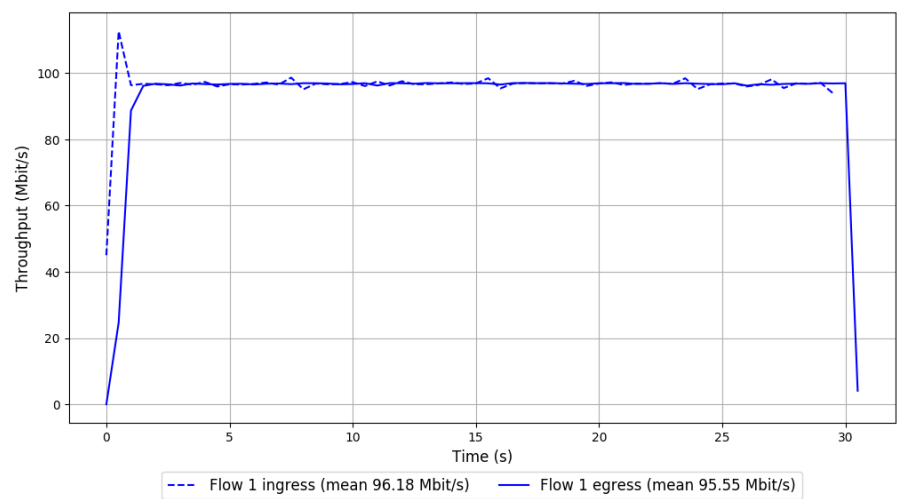
-- Flow 1:

Average throughput: 95.55 Mbit/s

95th percentile per-packet one-way delay: 43.826 ms

Loss rate: 0.65%

Run 1: Report of FillP — Data Link



Run 2: Statistics of FillP

Start at: 2020-02-17 22:03:00

End at: 2020-02-17 22:03:30

Local clock offset: 5.201 ms

Remote clock offset: 5.972 ms

Below is generated by plot.py at 2020-02-18 00:04:27

Datalink statistics

-- Total of 1 flow:

Average throughput: 95.61 Mbit/s

95th percentile per-packet one-way delay: 43.661 ms

Loss rate: 0.65%

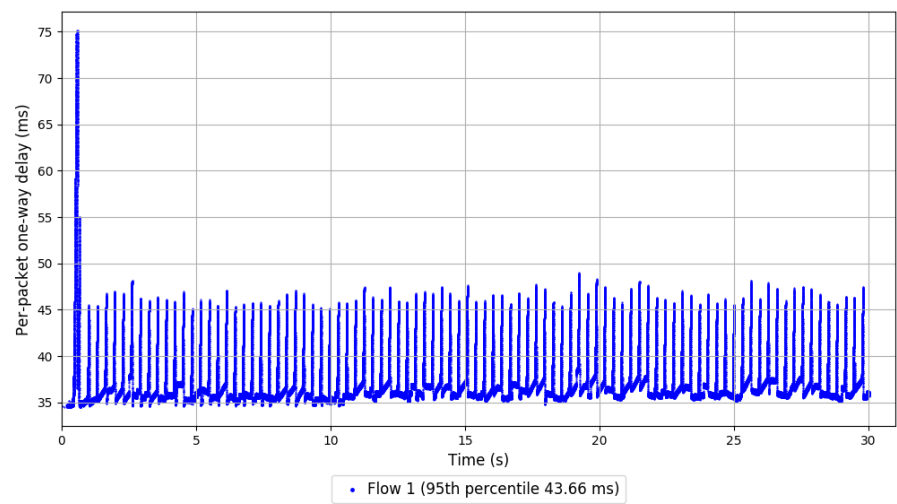
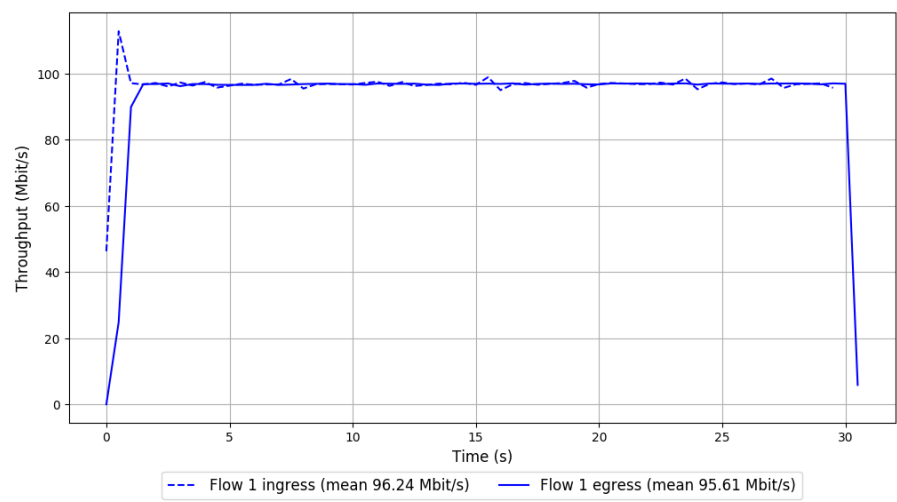
-- Flow 1:

Average throughput: 95.61 Mbit/s

95th percentile per-packet one-way delay: 43.661 ms

Loss rate: 0.65%

Run 2: Report of FillP — Data Link



Run 3: Statistics of FillP

Start at: 2020-02-17 22:33:34

End at: 2020-02-17 22:34:04

Local clock offset: 5.777 ms

Remote clock offset: 5.87 ms

Below is generated by plot.py at 2020-02-18 00:04:28

Datalink statistics

-- Total of 1 flow:

Average throughput: 95.56 Mbit/s

95th percentile per-packet one-way delay: 43.755 ms

Loss rate: 0.66%

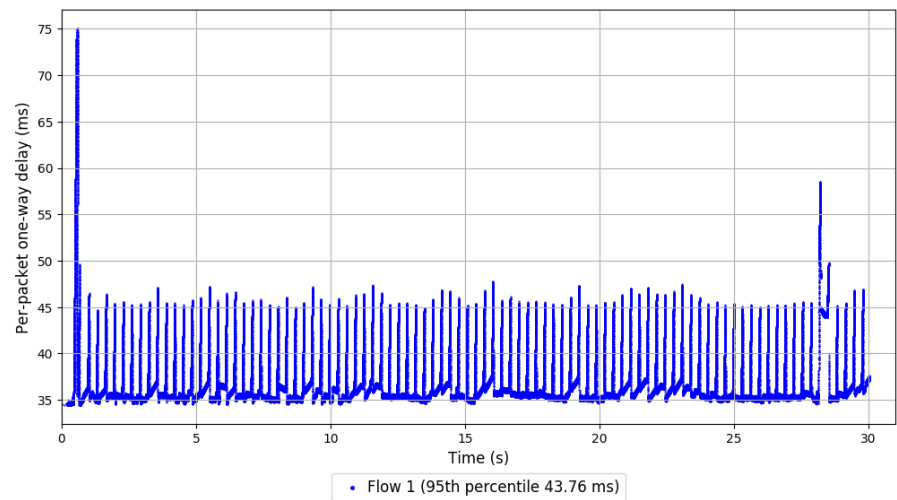
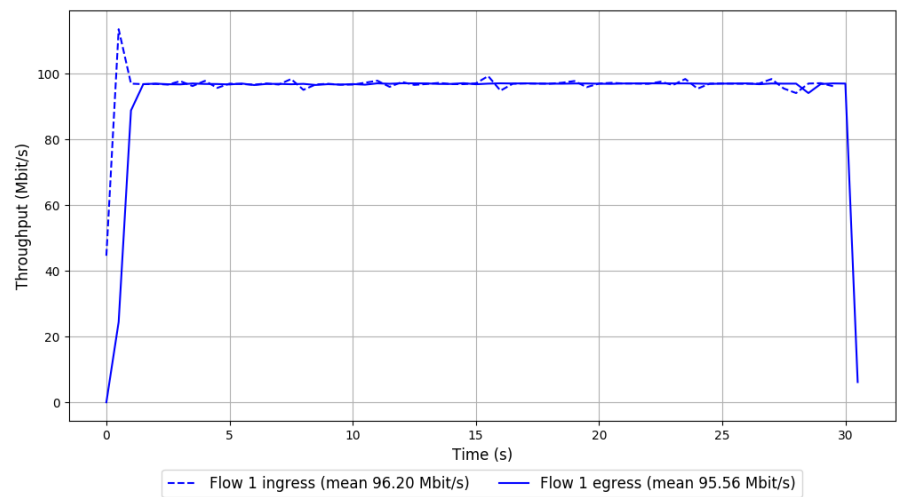
-- Flow 1:

Average throughput: 95.56 Mbit/s

95th percentile per-packet one-way delay: 43.755 ms

Loss rate: 0.66%

Run 3: Report of FillP — Data Link



Run 4: Statistics of FillP

Start at: 2020-02-17 23:03:06

End at: 2020-02-17 23:03:36

Local clock offset: 4.924 ms

Remote clock offset: 5.672 ms

Below is generated by plot.py at 2020-02-18 00:04:29

Datalink statistics

-- Total of 1 flow:

Average throughput: 95.59 Mbit/s

95th percentile per-packet one-way delay: 43.383 ms

Loss rate: 0.65%

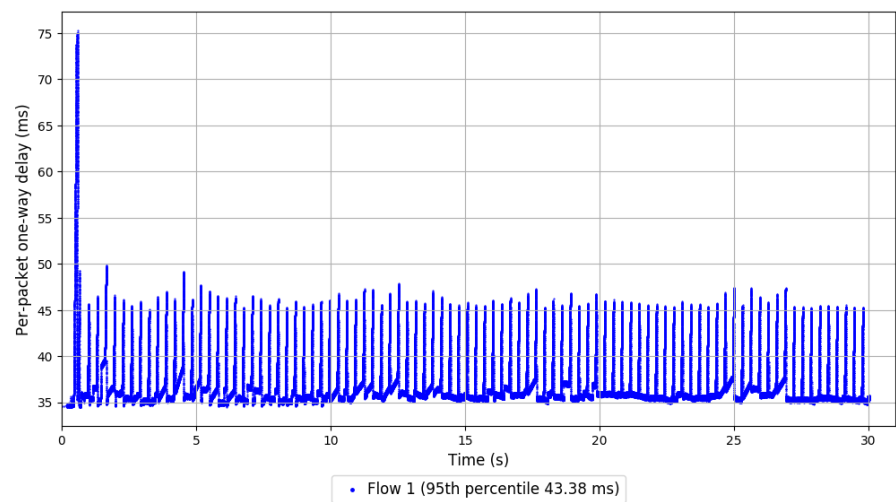
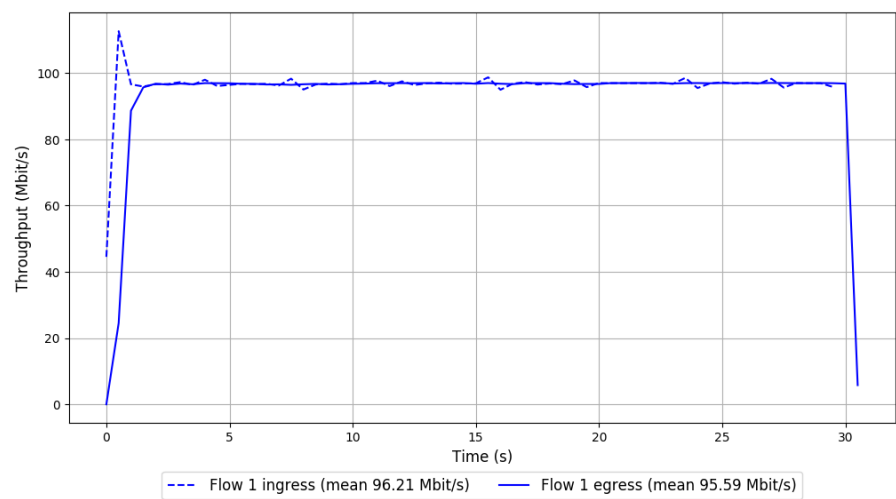
-- Flow 1:

Average throughput: 95.59 Mbit/s

95th percentile per-packet one-way delay: 43.383 ms

Loss rate: 0.65%

Run 4: Report of FillP — Data Link



Run 5: Statistics of FillP

Start at: 2020-02-17 23:33:12

End at: 2020-02-17 23:33:42

Local clock offset: 4.126 ms

Remote clock offset: 5.636 ms

Below is generated by plot.py at 2020-02-18 00:04:29

Datalink statistics

-- Total of 1 flow:

Average throughput: 95.56 Mbit/s

95th percentile per-packet one-way delay: 43.572 ms

Loss rate: 0.65%

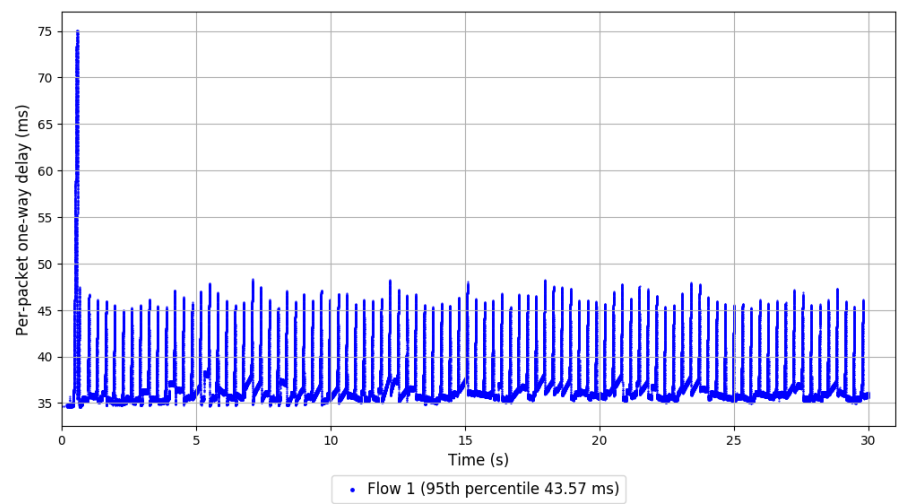
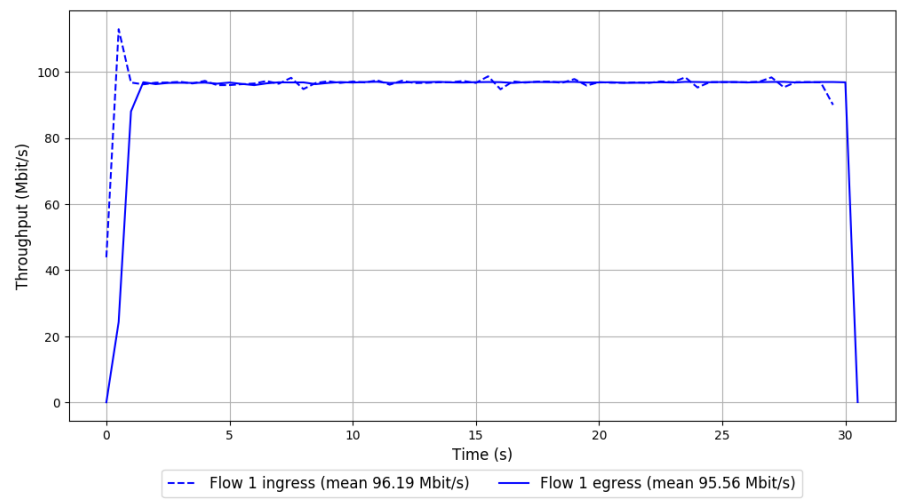
-- Flow 1:

Average throughput: 95.56 Mbit/s

95th percentile per-packet one-way delay: 43.572 ms

Loss rate: 0.65%

Run 5: Report of FillP — Data Link



Run 1: Statistics of FillP-Sheep

Start at: 2020-02-17 21:49:47

End at: 2020-02-17 21:50:17

Local clock offset: 4.759 ms

Remote clock offset: 5.898 ms

Below is generated by plot.py at 2020-02-18 00:04:29

Datalink statistics

-- Total of 1 flow:

Average throughput: 92.57 Mbit/s

95th percentile per-packet one-way delay: 41.804 ms

Loss rate: 0.61%

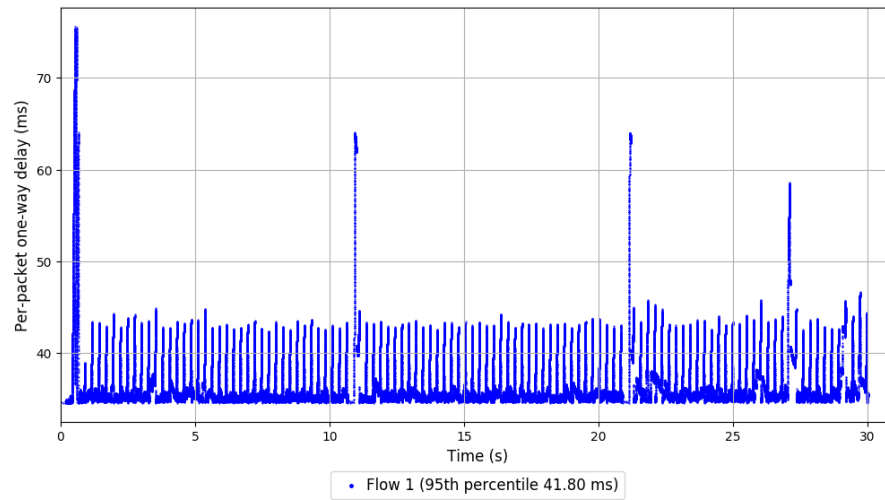
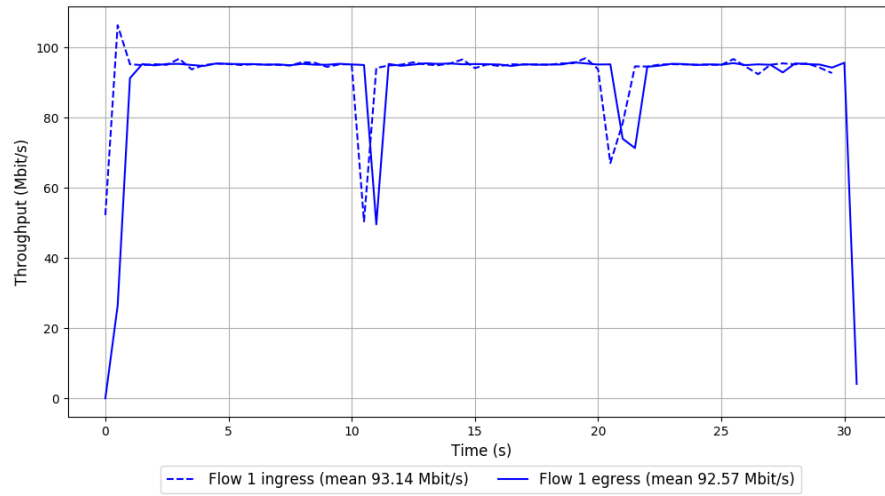
-- Flow 1:

Average throughput: 92.57 Mbit/s

95th percentile per-packet one-way delay: 41.804 ms

Loss rate: 0.61%

Run 1: Report of FillP-Sheep — Data Link



Run 2: Statistics of FillP-Sheep

Start at: 2020-02-17 22:21:22

End at: 2020-02-17 22:21:52

Local clock offset: 5.781 ms

Remote clock offset: 6.171 ms

Below is generated by plot.py at 2020-02-18 00:05:35

Datalink statistics

-- Total of 1 flow:

Average throughput: 92.67 Mbit/s

95th percentile per-packet one-way delay: 41.497 ms

Loss rate: 0.60%

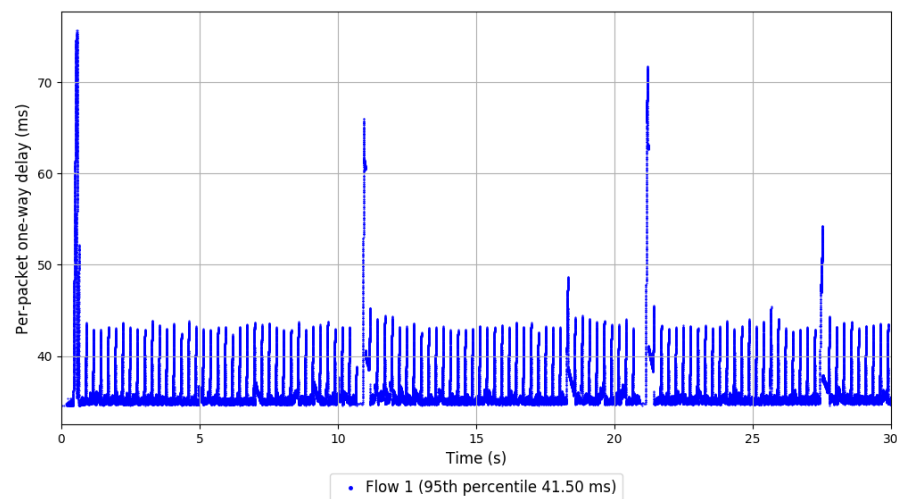
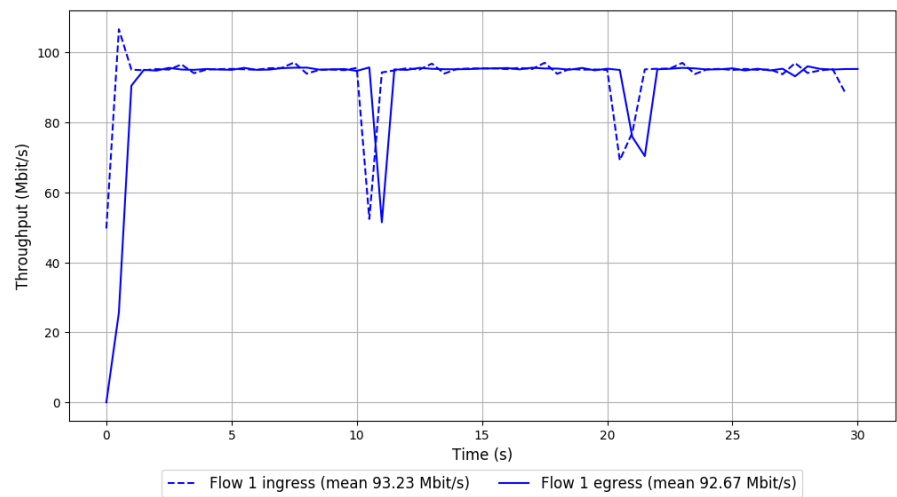
-- Flow 1:

Average throughput: 92.67 Mbit/s

95th percentile per-packet one-way delay: 41.497 ms

Loss rate: 0.60%

Run 2: Report of FillP-Sheep — Data Link



Run 3: Statistics of FillP-Sheep

Start at: 2020-02-17 22:50:34

End at: 2020-02-17 22:51:04

Local clock offset: 5.831 ms

Remote clock offset: 5.74 ms

Below is generated by plot.py at 2020-02-18 00:05:36

Datalink statistics

-- Total of 1 flow:

Average throughput: 92.55 Mbit/s

95th percentile per-packet one-way delay: 41.419 ms

Loss rate: 0.61%

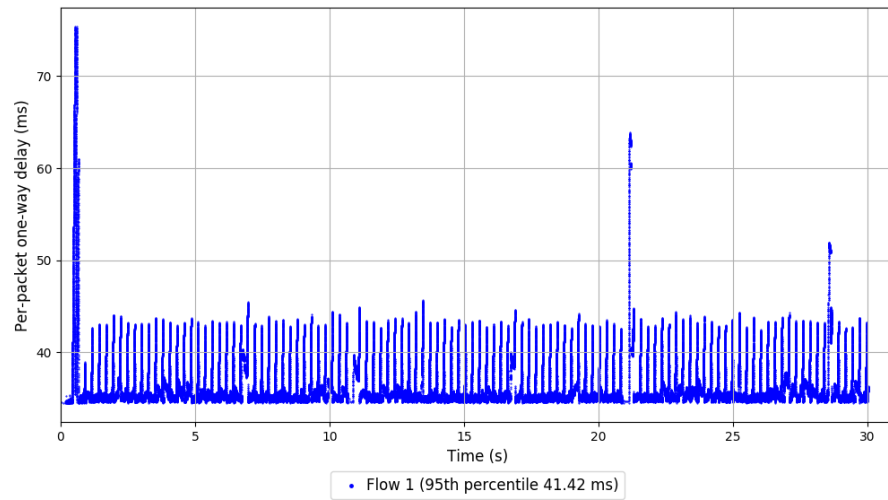
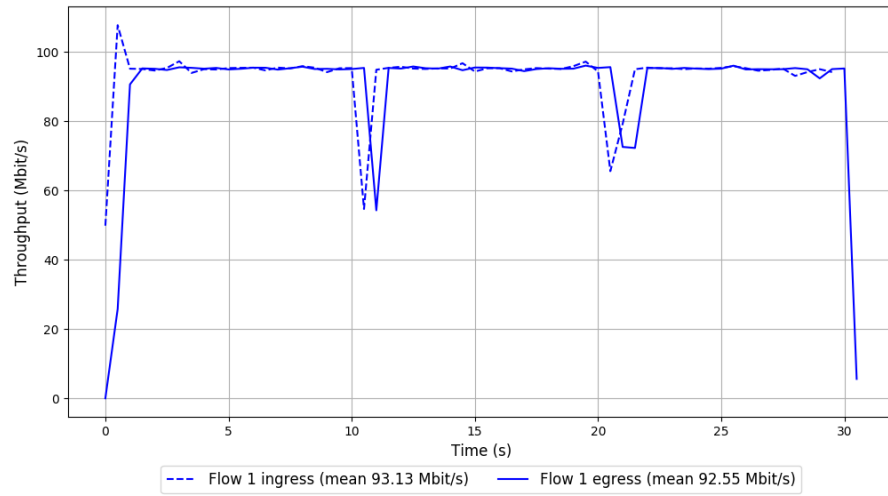
-- Flow 1:

Average throughput: 92.55 Mbit/s

95th percentile per-packet one-way delay: 41.419 ms

Loss rate: 0.61%

Run 3: Report of FillP-Sheep — Data Link



Run 4: Statistics of FillP-Sheep

Start at: 2020-02-17 23:20:27

End at: 2020-02-17 23:20:57

Local clock offset: 3.799 ms

Remote clock offset: 5.523 ms

Below is generated by plot.py at 2020-02-18 00:05:46

Datalink statistics

-- Total of 1 flow:

Average throughput: 92.74 Mbit/s

95th percentile per-packet one-way delay: 41.389 ms

Loss rate: 0.61%

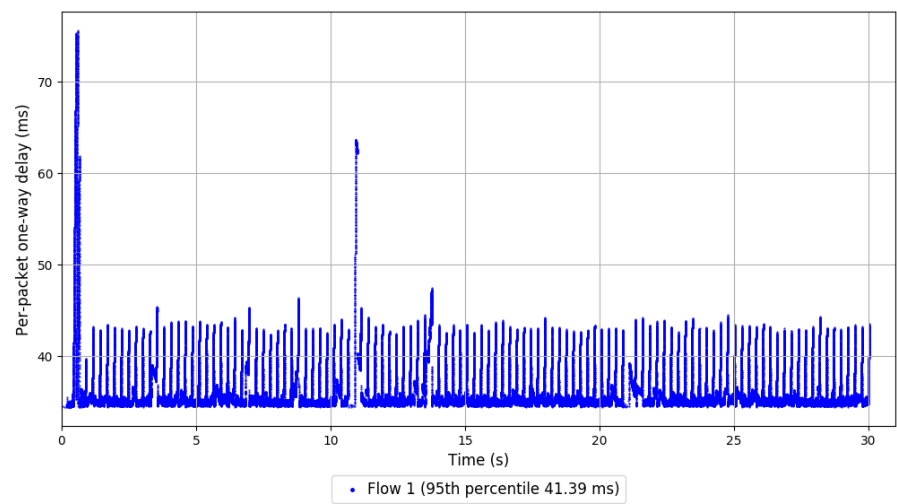
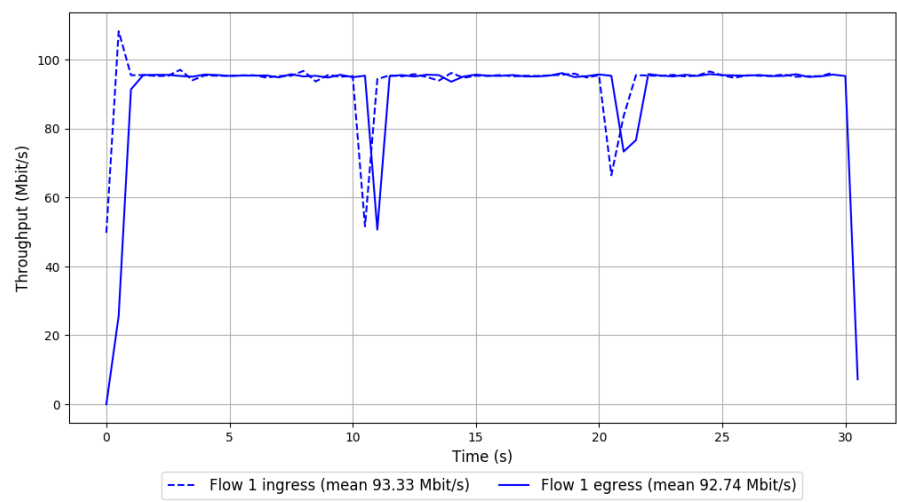
-- Flow 1:

Average throughput: 92.74 Mbit/s

95th percentile per-packet one-way delay: 41.389 ms

Loss rate: 0.61%

Run 4: Report of FillP-Sheep — Data Link



Run 5: Statistics of FillP-Sheep

Start at: 2020-02-17 23:50:33

End at: 2020-02-17 23:51:03

Local clock offset: 4.697 ms

Remote clock offset: 5.601 ms

Below is generated by plot.py at 2020-02-18 00:05:48

Datalink statistics

-- Total of 1 flow:

Average throughput: 92.46 Mbit/s

95th percentile per-packet one-way delay: 41.069 ms

Loss rate: 0.62%

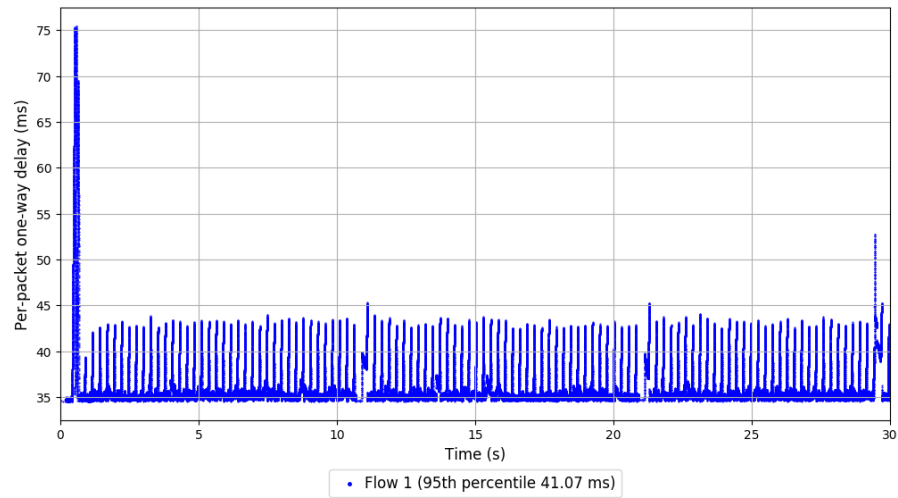
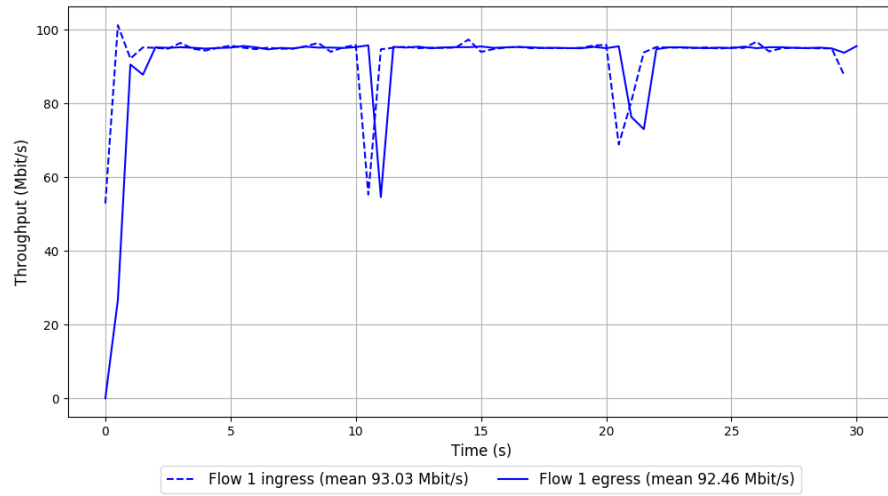
-- Flow 1:

Average throughput: 92.46 Mbit/s

95th percentile per-packet one-way delay: 41.069 ms

Loss rate: 0.62%

Run 5: Report of FillP-Sheep — Data Link

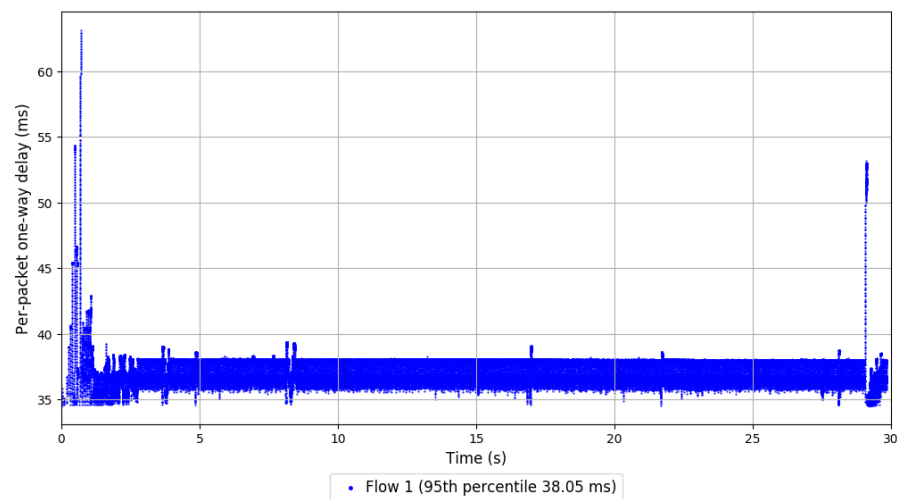
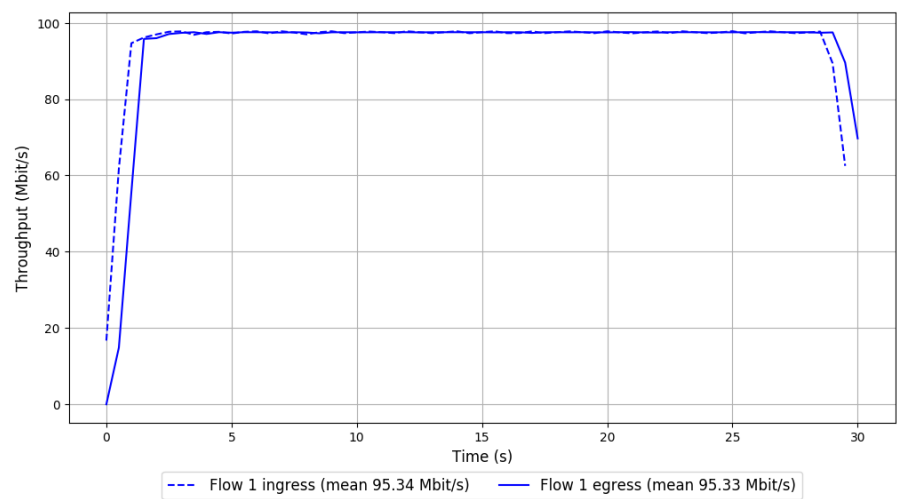


```
Run 1: Statistics of Indigo

Start at: 2020-02-17 21:38:09
End at: 2020-02-17 21:38:39
Local clock offset: 4.816 ms
Remote clock offset: 5.803 ms

# Below is generated by plot.py at 2020-02-18 00:05:48
# Datalink statistics
-- Total of 1 flow:
Average throughput: 95.33 Mbit/s
95th percentile per-packet one-way delay: 38.050 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 95.33 Mbit/s
95th percentile per-packet one-way delay: 38.050 ms
Loss rate: 0.00%
```

Run 1: Report of Indigo — Data Link



Run 2: Statistics of Indigo

Start at: 2020-02-17 22:09:48

End at: 2020-02-17 22:10:18

Local clock offset: 5.348 ms

Remote clock offset: 6.109 ms

Below is generated by plot.py at 2020-02-18 00:05:48

Datalink statistics

-- Total of 1 flow:

Average throughput: 95.31 Mbit/s

95th percentile per-packet one-way delay: 38.235 ms

Loss rate: 0.00%

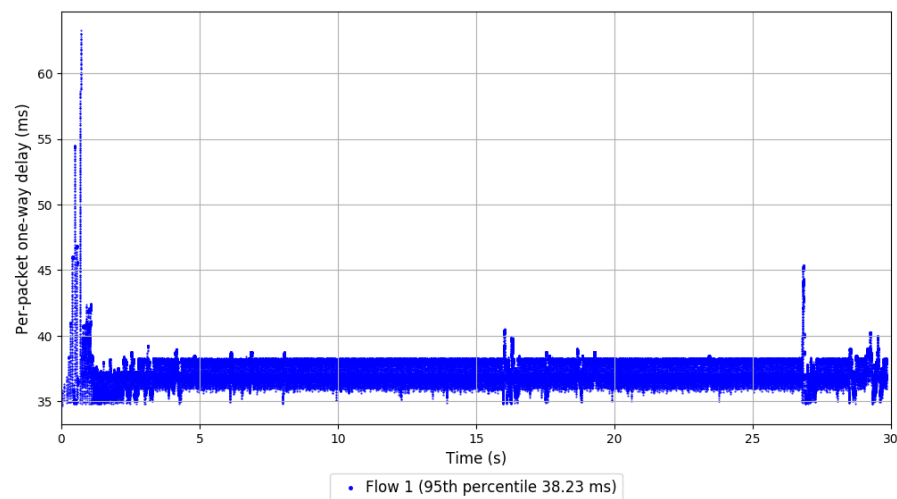
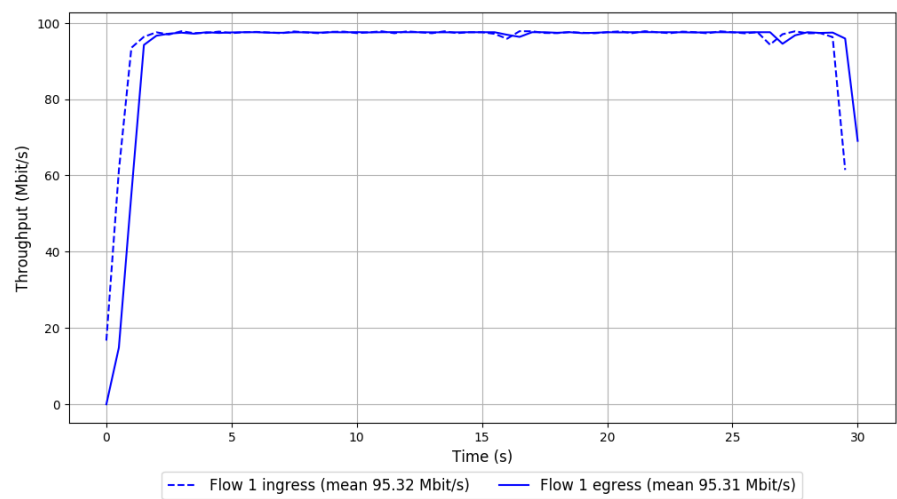
-- Flow 1:

Average throughput: 95.31 Mbit/s

95th percentile per-packet one-way delay: 38.235 ms

Loss rate: 0.00%

Run 2: Report of Indigo — Data Link



Run 3: Statistics of Indigo

Start at: 2020-02-17 22:39:57

End at: 2020-02-17 22:40:27

Local clock offset: 5.636 ms

Remote clock offset: 5.824 ms

Below is generated by plot.py at 2020-02-18 00:05:48

Datalink statistics

-- Total of 1 flow:

Average throughput: 95.27 Mbit/s

95th percentile per-packet one-way delay: 38.139 ms

Loss rate: 0.00%

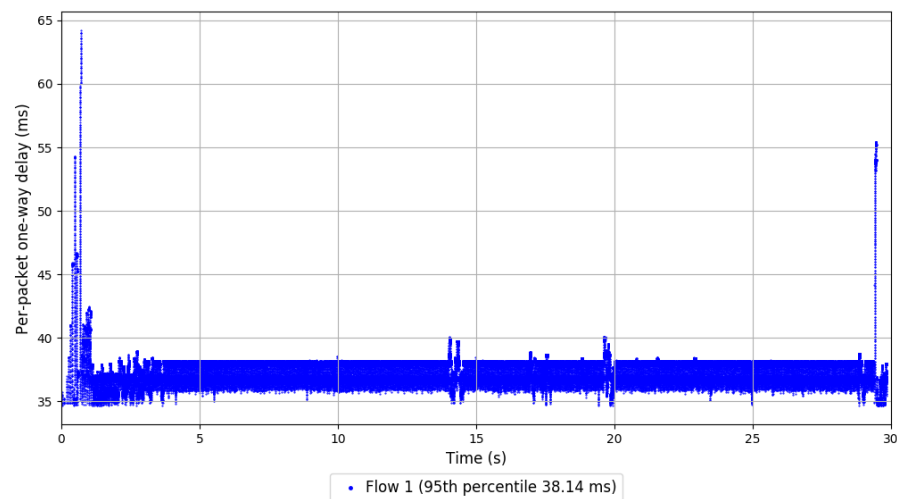
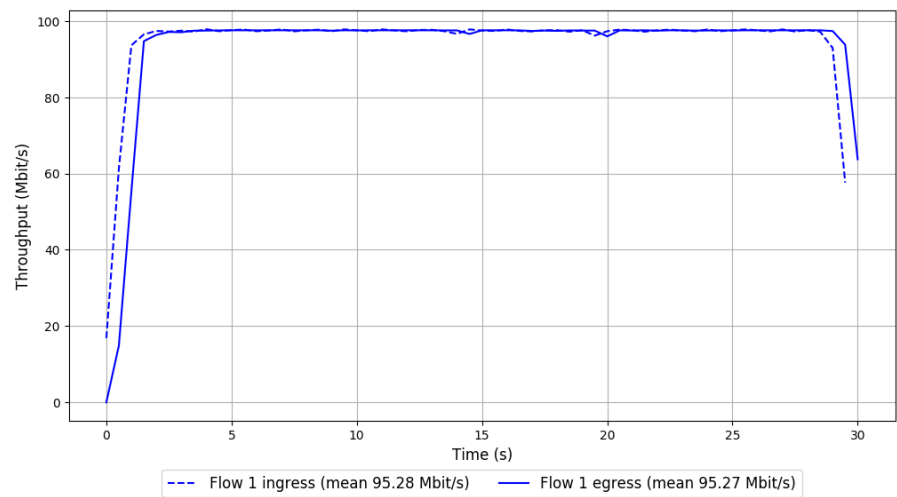
-- Flow 1:

Average throughput: 95.27 Mbit/s

95th percentile per-packet one-way delay: 38.139 ms

Loss rate: 0.00%

Run 3: Report of Indigo — Data Link



Run 4: Statistics of Indigo

Start at: 2020-02-17 23:09:24

End at: 2020-02-17 23:09:54

Local clock offset: 4.247 ms

Remote clock offset: 5.689 ms

Below is generated by plot.py at 2020-02-18 00:05:48

Datalink statistics

-- Total of 1 flow:

Average throughput: 95.31 Mbit/s

95th percentile per-packet one-way delay: 38.091 ms

Loss rate: 0.00%

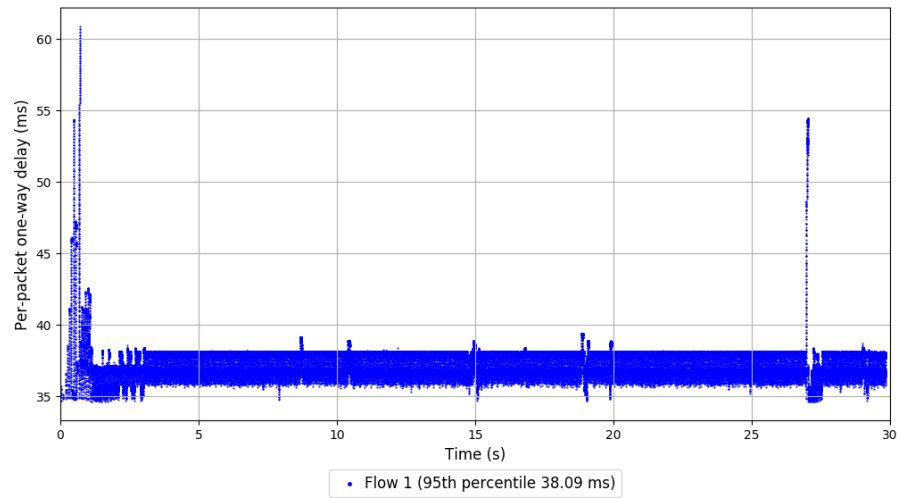
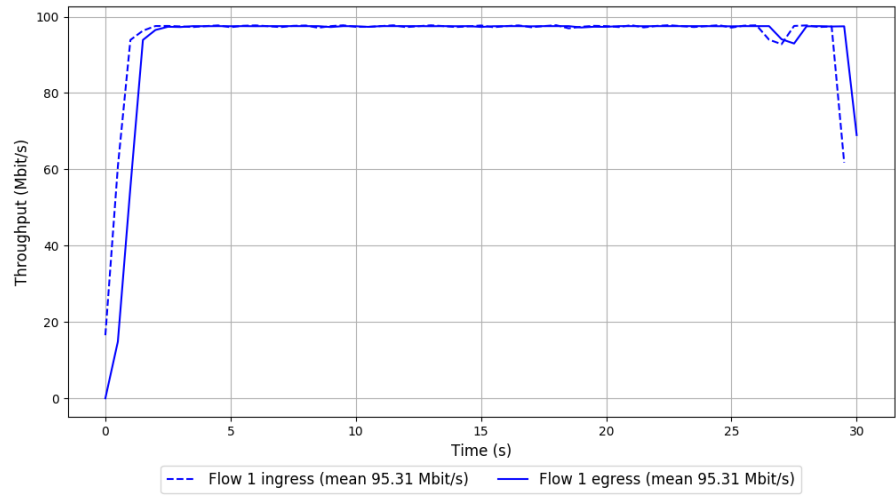
-- Flow 1:

Average throughput: 95.31 Mbit/s

95th percentile per-packet one-way delay: 38.091 ms

Loss rate: 0.00%

Run 4: Report of Indigo — Data Link



Run 5: Statistics of Indigo

Start at: 2020-02-17 23:39:29

End at: 2020-02-17 23:39:59

Local clock offset: 4.441 ms

Remote clock offset: 5.523 ms

Below is generated by plot.py at 2020-02-18 00:06:45

Datalink statistics

-- Total of 1 flow:

Average throughput: 95.35 Mbit/s

95th percentile per-packet one-way delay: 38.025 ms

Loss rate: 0.00%

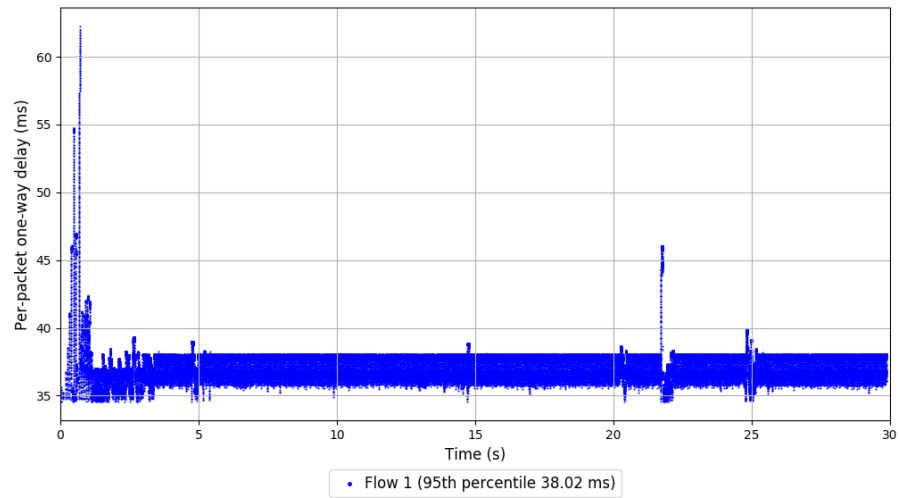
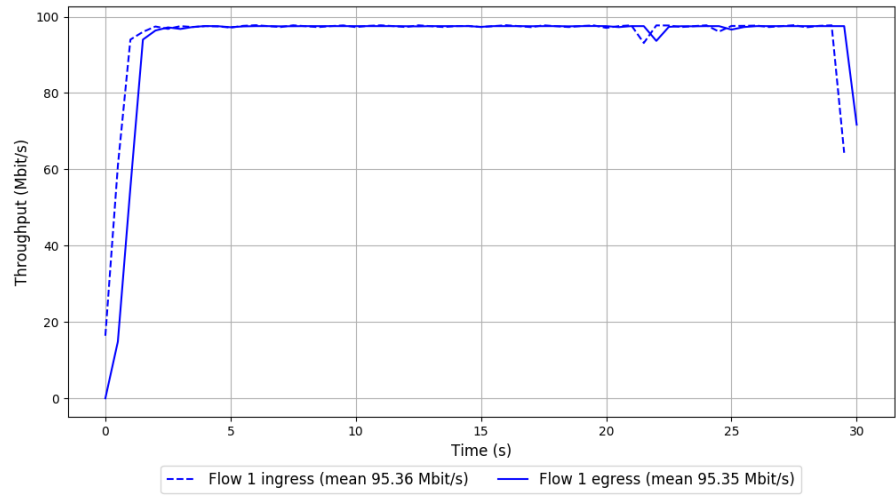
-- Flow 1:

Average throughput: 95.35 Mbit/s

95th percentile per-packet one-way delay: 38.025 ms

Loss rate: 0.00%

Run 5: Report of Indigo — Data Link



Run 1: Statistics of Indigo-MusesC3

Start at: 2020-02-17 21:40:50

End at: 2020-02-17 21:41:20

Local clock offset: 4.535 ms

Remote clock offset: 5.708 ms

Below is generated by plot.py at 2020-02-18 00:06:45

Datalink statistics

-- Total of 1 flow:

Average throughput: 96.42 Mbit/s

95th percentile per-packet one-way delay: 41.574 ms

Loss rate: 0.00%

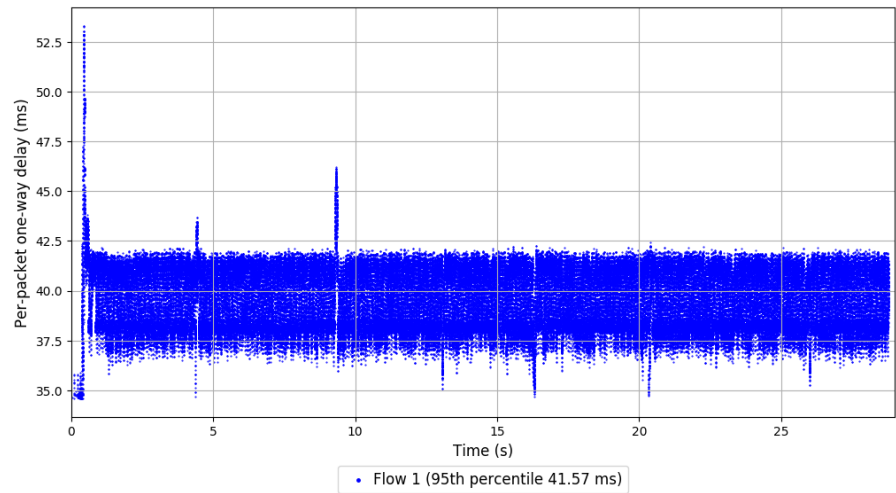
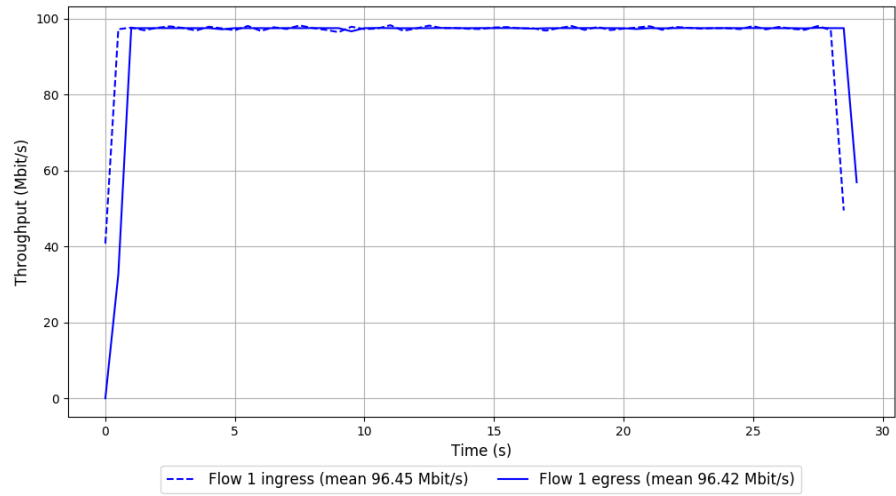
-- Flow 1:

Average throughput: 96.42 Mbit/s

95th percentile per-packet one-way delay: 41.574 ms

Loss rate: 0.00%

Run 1: Report of Indigo-MusesC3 — Data Link



Run 2: Statistics of Indigo-MusesC3

Start at: 2020-02-17 22:12:32

End at: 2020-02-17 22:13:02

Local clock offset: 5.471 ms

Remote clock offset: 6.059 ms

Below is generated by plot.py at 2020-02-18 00:06:46

Datalink statistics

-- Total of 1 flow:

Average throughput: 96.27 Mbit/s

95th percentile per-packet one-way delay: 41.011 ms

Loss rate: 0.00%

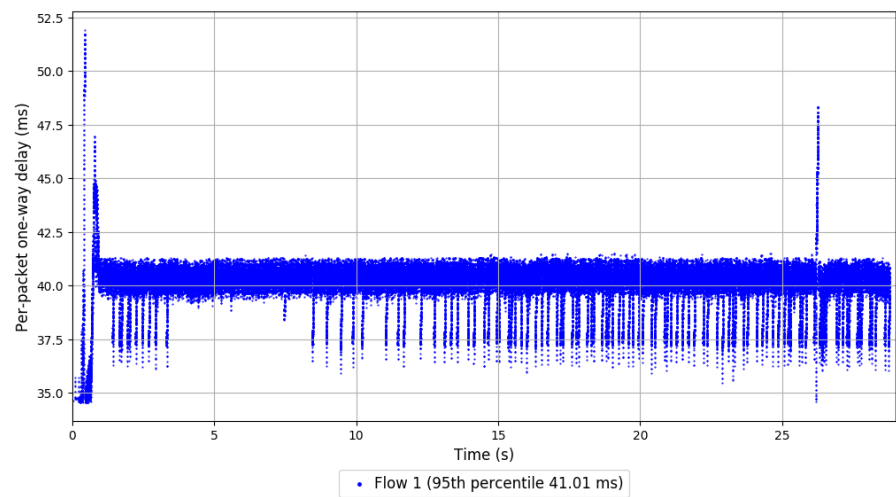
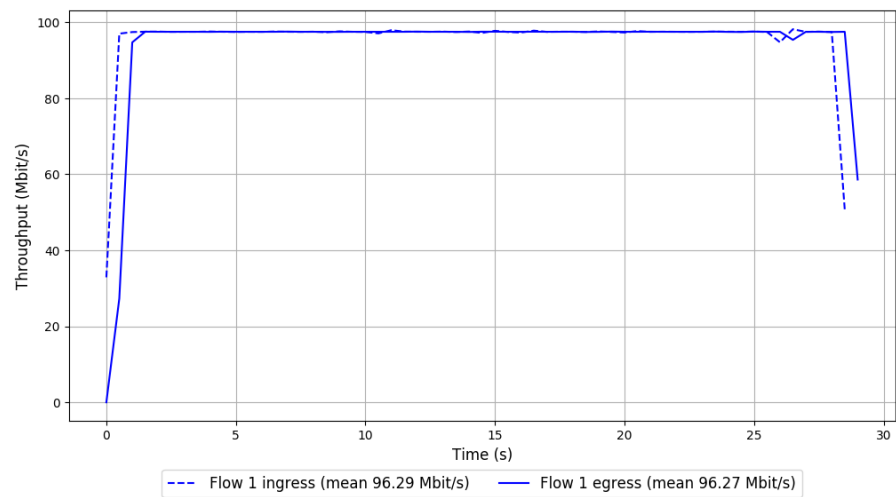
-- Flow 1:

Average throughput: 96.27 Mbit/s

95th percentile per-packet one-way delay: 41.011 ms

Loss rate: 0.00%

Run 2: Report of Indigo-MusesC3 — Data Link



Run 3: Statistics of Indigo-MusesC3

Start at: 2020-02-17 22:42:19

End at: 2020-02-17 22:42:49

Local clock offset: 5.642 ms

Remote clock offset: 5.868 ms

Below is generated by plot.py at 2020-02-18 00:06:46

Datalink statistics

-- Total of 1 flow:

Average throughput: 96.04 Mbit/s

95th percentile per-packet one-way delay: 41.541 ms

Loss rate: 0.27%

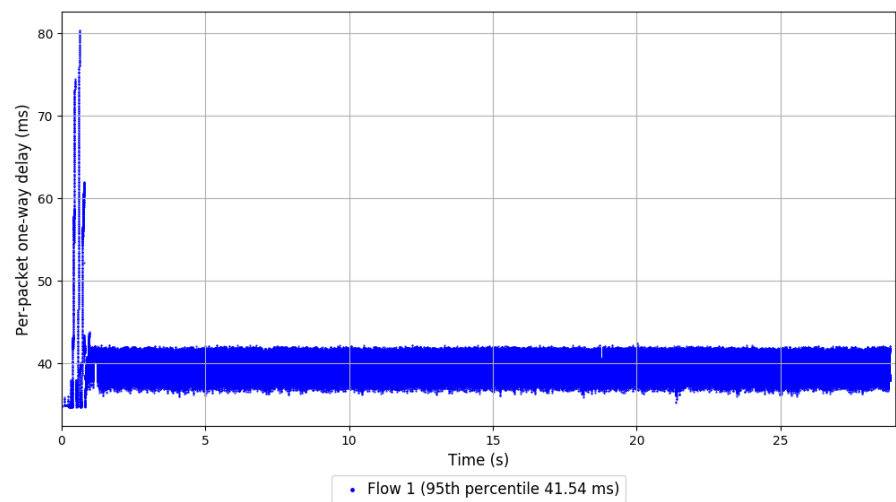
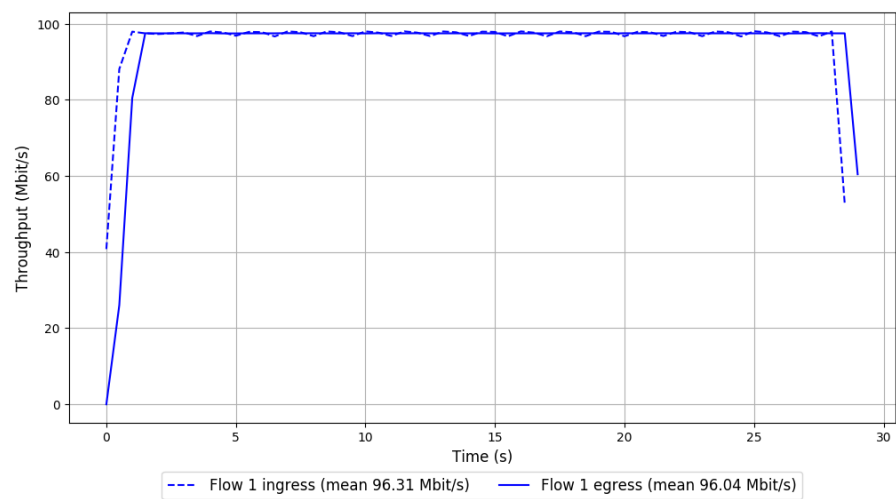
-- Flow 1:

Average throughput: 96.04 Mbit/s

95th percentile per-packet one-way delay: 41.541 ms

Loss rate: 0.27%

Run 3: Report of Indigo-MusesC3 — Data Link



Run 4: Statistics of Indigo-MusesC3

Start at: 2020-02-17 23:11:56

End at: 2020-02-17 23:12:26

Local clock offset: 4.133 ms

Remote clock offset: 5.711 ms

Below is generated by plot.py at 2020-02-18 00:06:47

Datalink statistics

-- Total of 1 flow:

Average throughput: 96.26 Mbit/s

95th percentile per-packet one-way delay: 40.925 ms

Loss rate: 0.00%

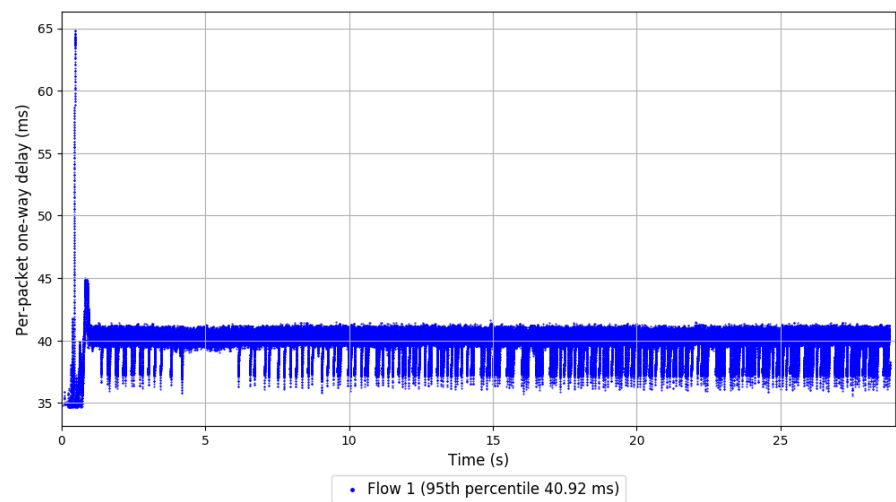
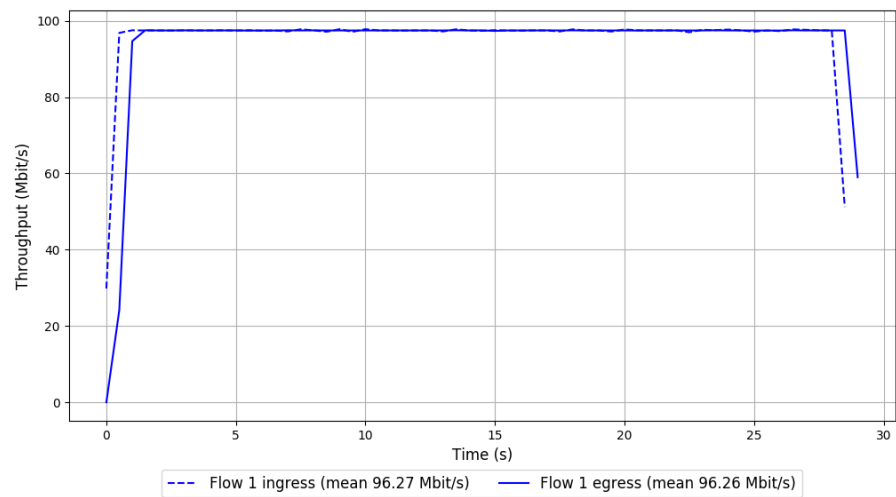
-- Flow 1:

Average throughput: 96.26 Mbit/s

95th percentile per-packet one-way delay: 40.925 ms

Loss rate: 0.00%

Run 4: Report of Indigo-MusesC3 — Data Link



Run 5: Statistics of Indigo-MusesC3

Start at: 2020-02-17 23:41:56

End at: 2020-02-17 23:42:26

Local clock offset: 4.513 ms

Remote clock offset: 5.636 ms

Below is generated by plot.py at 2020-02-18 00:06:48

Datalink statistics

-- Total of 1 flow:

Average throughput: 96.45 Mbit/s

95th percentile per-packet one-way delay: 41.683 ms

Loss rate: 0.00%

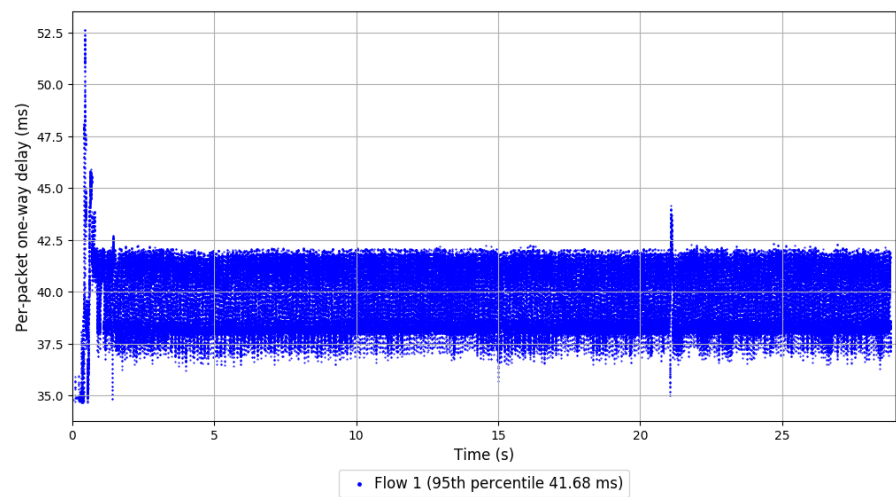
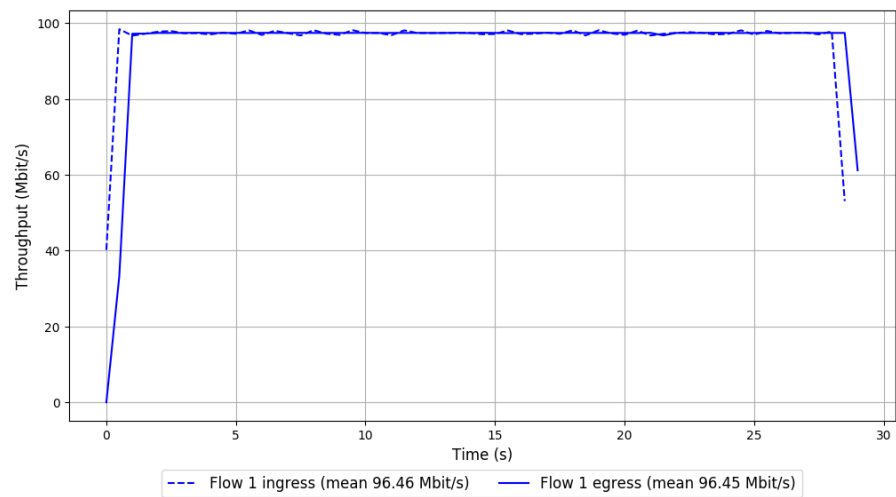
-- Flow 1:

Average throughput: 96.45 Mbit/s

95th percentile per-packet one-way delay: 41.683 ms

Loss rate: 0.00%

Run 5: Report of Indigo-MusesC3 — Data Link



Run 1: Statistics of Indigo-MusesC5

Start at: 2020-02-17 21:35:35

End at: 2020-02-17 21:36:05

Local clock offset: 5.237 ms

Remote clock offset: 5.742 ms

Below is generated by plot.py at 2020-02-18 00:06:56

Datalink statistics

-- Total of 1 flow:

Average throughput: 95.78 Mbit/s

95th percentile per-packet one-way delay: 40.319 ms

Loss rate: 0.04%

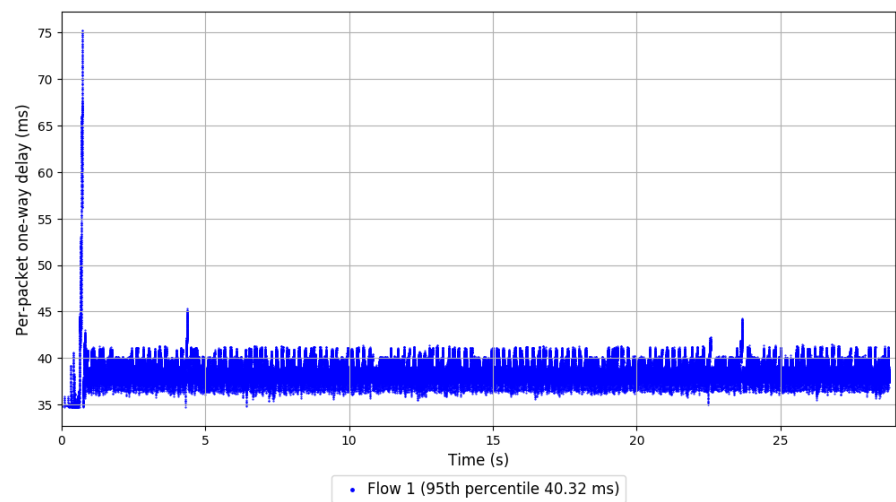
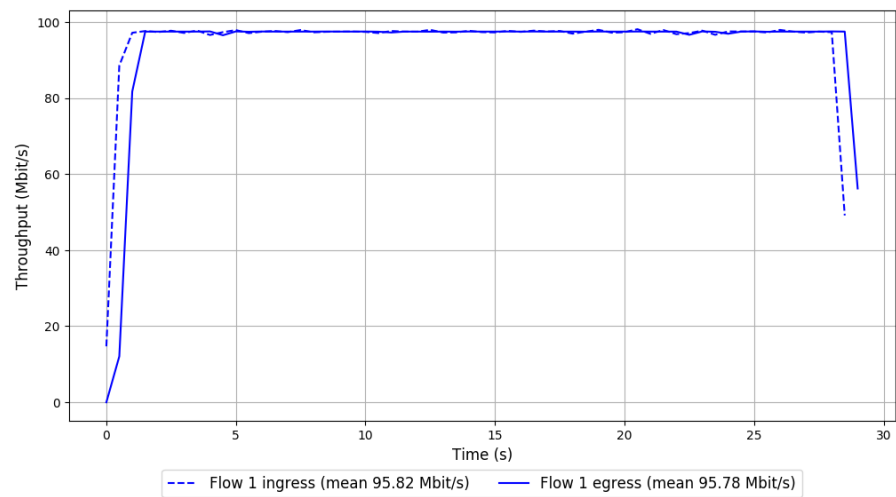
-- Flow 1:

Average throughput: 95.78 Mbit/s

95th percentile per-packet one-way delay: 40.319 ms

Loss rate: 0.04%

Run 1: Report of Indigo-MusesC5 — Data Link



Run 2: Statistics of Indigo-MusesC5

Start at: 2020-02-17 22:07:05

End at: 2020-02-17 22:07:35

Local clock offset: 5.275 ms

Remote clock offset: 6.123 ms

Below is generated by plot.py at 2020-02-18 00:06:58

Datalink statistics

-- Total of 1 flow:

Average throughput: 95.86 Mbit/s

95th percentile per-packet one-way delay: 39.276 ms

Loss rate: 0.00%

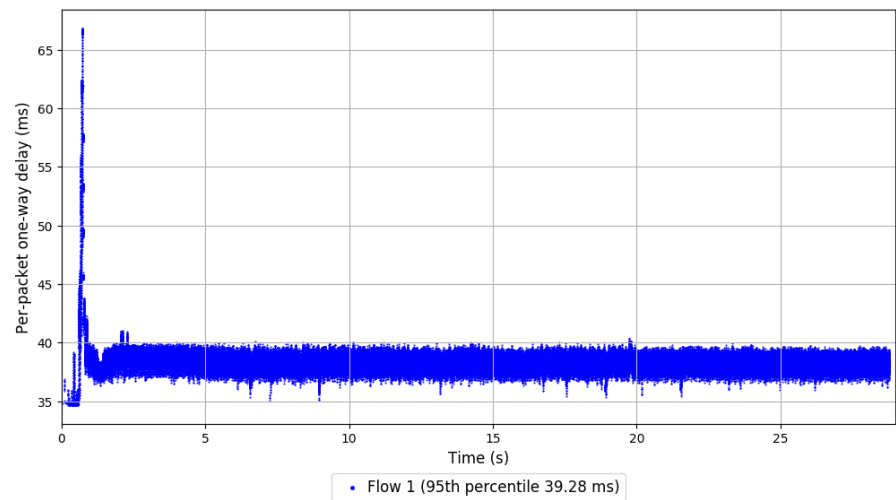
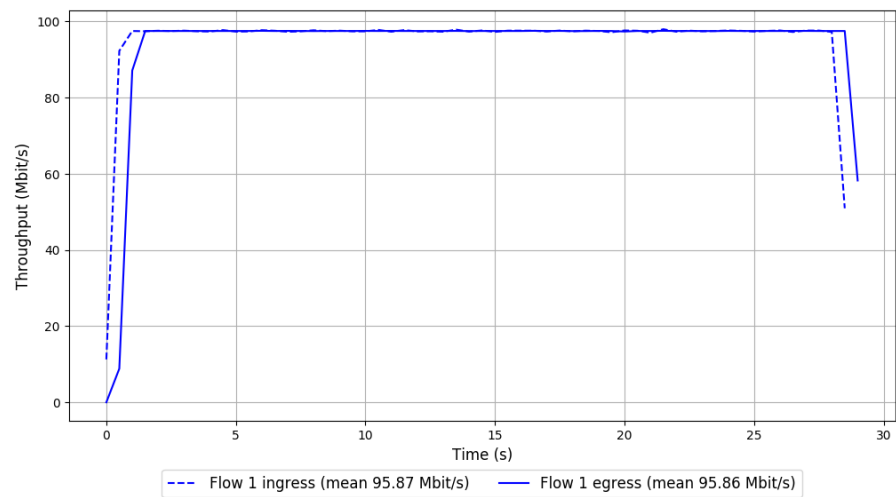
-- Flow 1:

Average throughput: 95.86 Mbit/s

95th percentile per-packet one-way delay: 39.276 ms

Loss rate: 0.00%

Run 2: Report of Indigo-MusesC5 — Data Link



Run 3: Statistics of Indigo-MusesC5

Start at: 2020-02-17 22:37:23

End at: 2020-02-17 22:37:54

Local clock offset: 5.666 ms

Remote clock offset: 5.794 ms

Below is generated by plot.py at 2020-02-18 00:07:53

Datalink statistics

-- Total of 1 flow:

Average throughput: 95.74 Mbit/s

95th percentile per-packet one-way delay: 40.218 ms

Loss rate: 0.00%

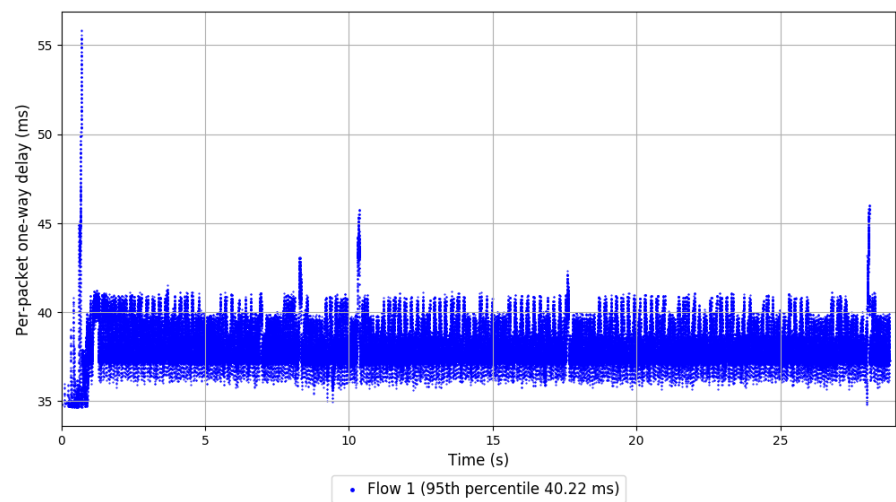
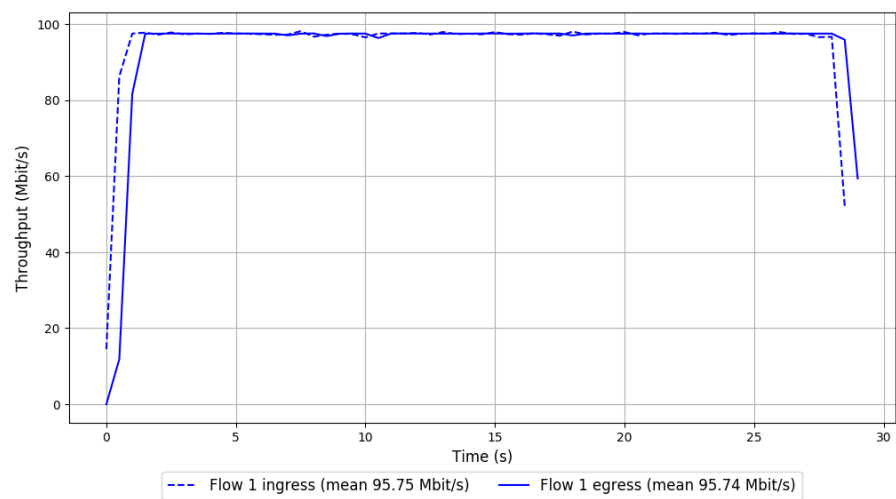
-- Flow 1:

Average throughput: 95.74 Mbit/s

95th percentile per-packet one-way delay: 40.218 ms

Loss rate: 0.00%

Run 3: Report of Indigo-MusesC5 — Data Link



Run 4: Statistics of Indigo-MusesC5

Start at: 2020-02-17 23:06:50

End at: 2020-02-17 23:07:20

Local clock offset: 4.464 ms

Remote clock offset: 5.758 ms

Below is generated by plot.py at 2020-02-18 00:07:54

Datalink statistics

-- Total of 1 flow:

Average throughput: 95.70 Mbit/s

95th percentile per-packet one-way delay: 37.235 ms

Loss rate: 0.00%

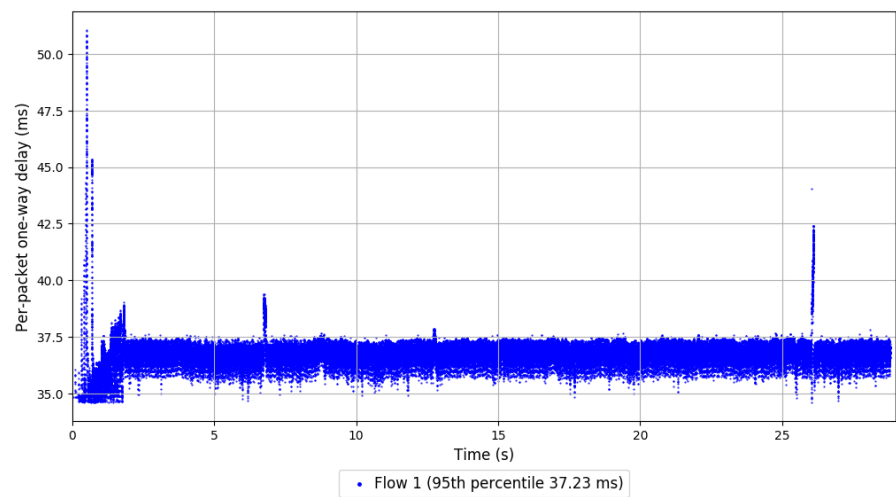
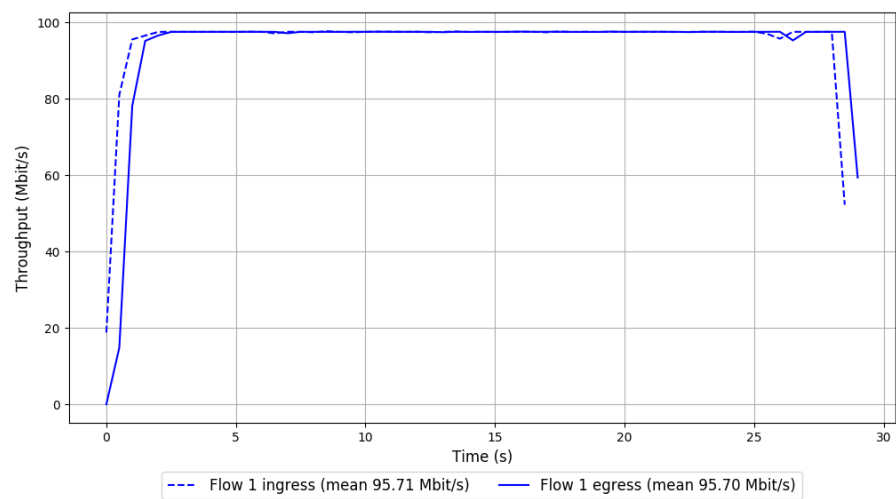
-- Flow 1:

Average throughput: 95.70 Mbit/s

95th percentile per-packet one-way delay: 37.235 ms

Loss rate: 0.00%

Run 4: Report of Indigo-MusesC5 — Data Link



Run 5: Statistics of Indigo-MusesC5

Start at: 2020-02-17 23:36:52

End at: 2020-02-17 23:37:22

Local clock offset: 4.302 ms

Remote clock offset: 5.571 ms

Below is generated by plot.py at 2020-02-18 00:07:54

Datalink statistics

-- Total of 1 flow:

Average throughput: 95.88 Mbit/s

95th percentile per-packet one-way delay: 39.264 ms

Loss rate: 0.00%

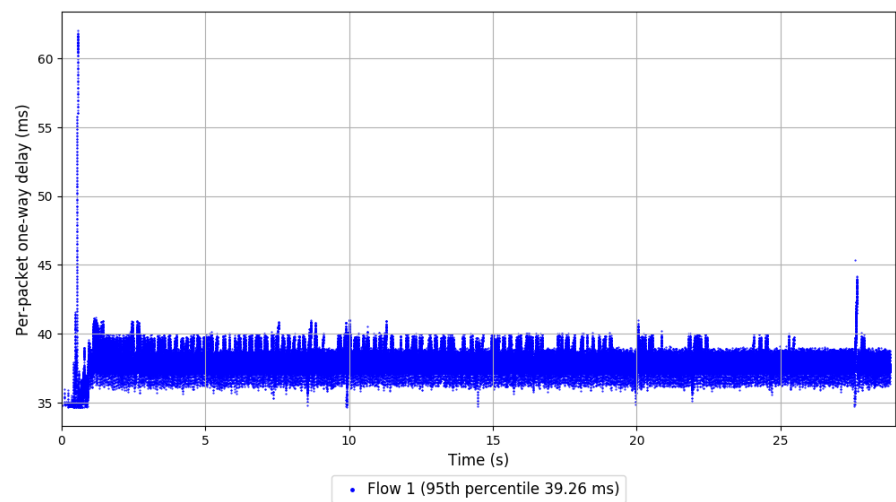
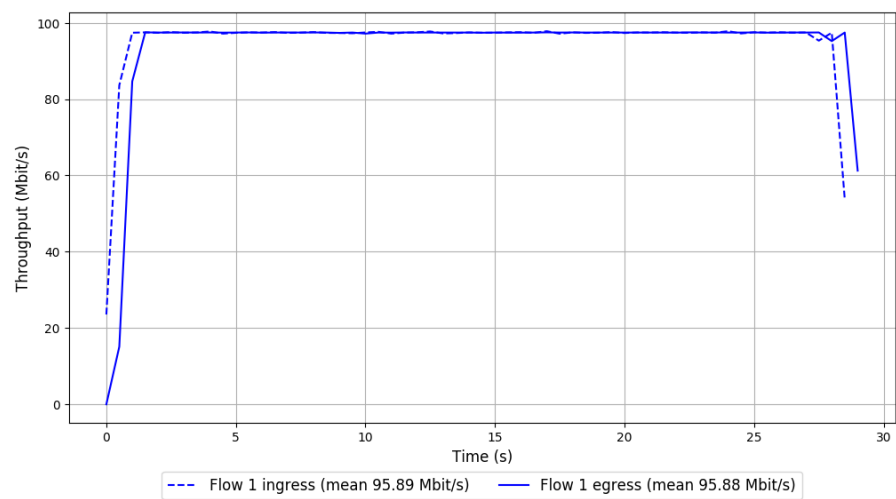
-- Flow 1:

Average throughput: 95.88 Mbit/s

95th percentile per-packet one-way delay: 39.264 ms

Loss rate: 0.00%

Run 5: Report of Indigo-MusesC5 — Data Link

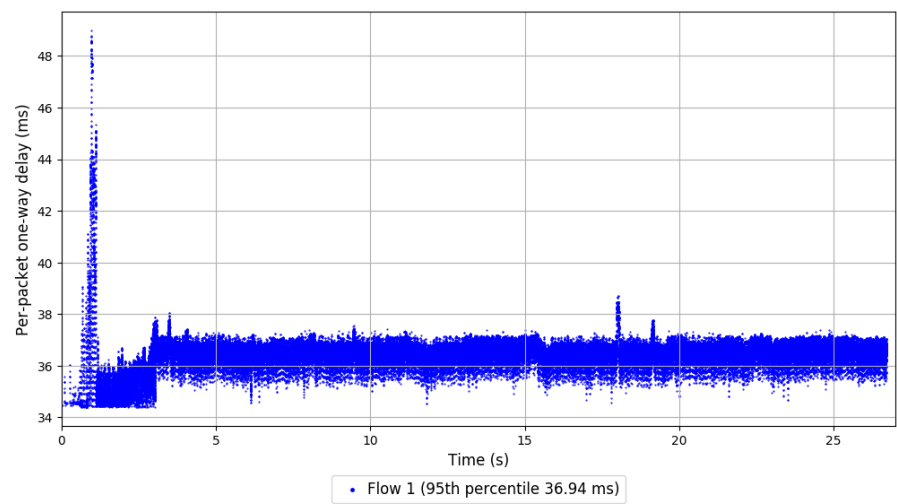
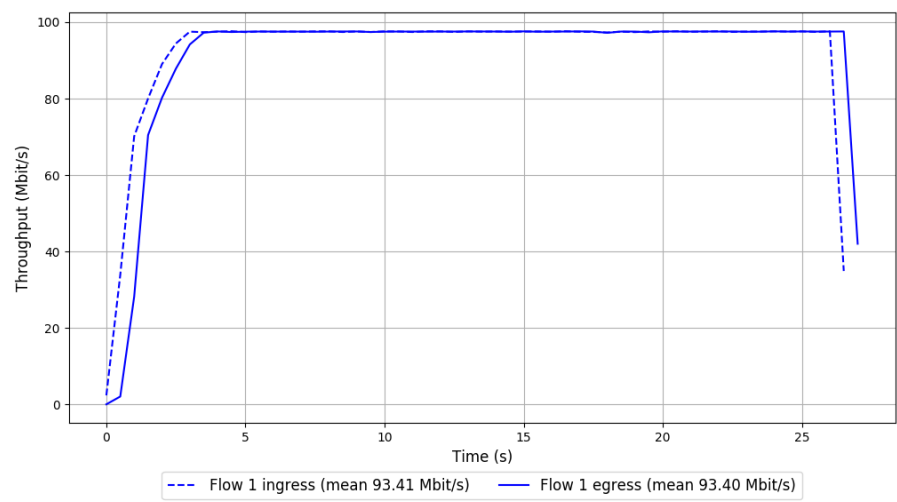



```
Run 1: Statistics of Indigo-MusesD

Start at: 2020-02-17 21:30:51
End at: 2020-02-17 21:31:21
Local clock offset: 4.308 ms
Remote clock offset: 5.754 ms

# Below is generated by plot.py at 2020-02-18 00:07:54
# Datalink statistics
-- Total of 1 flow:
Average throughput: 93.40 Mbit/s
95th percentile per-packet one-way delay: 36.942 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 93.40 Mbit/s
95th percentile per-packet one-way delay: 36.942 ms
Loss rate: 0.00%
```

Run 1: Report of Indigo-MusesD — Data Link



Run 2: Statistics of Indigo-MusesD

Start at: 2020-02-17 22:01:38

End at: 2020-02-17 22:02:08

Local clock offset: 5.155 ms

Remote clock offset: 6.009 ms

Below is generated by plot.py at 2020-02-18 00:07:55

Datalink statistics

-- Total of 1 flow:

Average throughput: 95.86 Mbit/s

95th percentile per-packet one-way delay: 37.254 ms

Loss rate: 0.00%

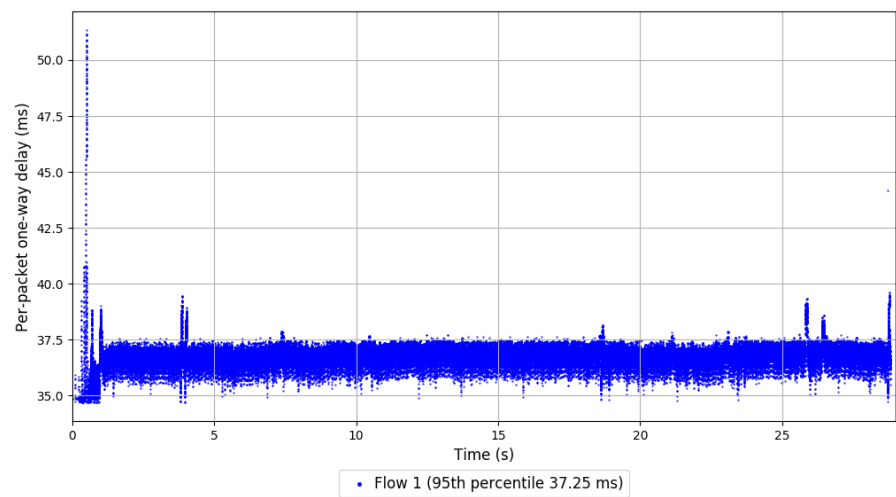
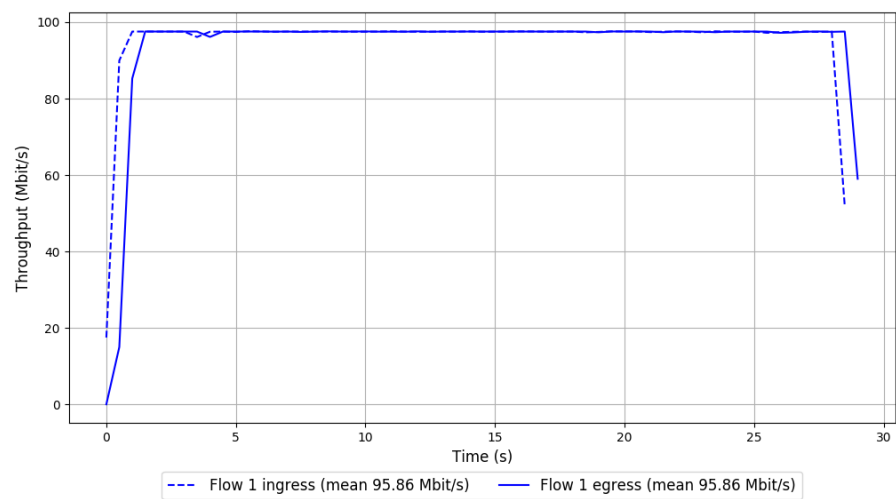
-- Flow 1:

Average throughput: 95.86 Mbit/s

95th percentile per-packet one-way delay: 37.254 ms

Loss rate: 0.00%

Run 2: Report of Indigo-MusesD — Data Link



Run 3: Statistics of Indigo-MusesD

Start at: 2020-02-17 22:32:19

End at: 2020-02-17 22:32:49

Local clock offset: 5.784 ms

Remote clock offset: 5.851 ms

Below is generated by plot.py at 2020-02-18 00:07:56

Datalink statistics

-- Total of 1 flow:

Average throughput: 95.91 Mbit/s

95th percentile per-packet one-way delay: 37.141 ms

Loss rate: 0.00%

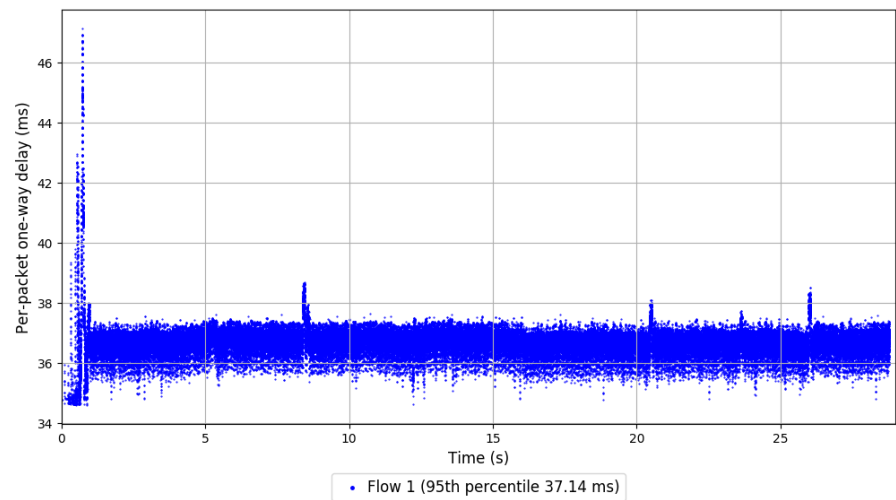
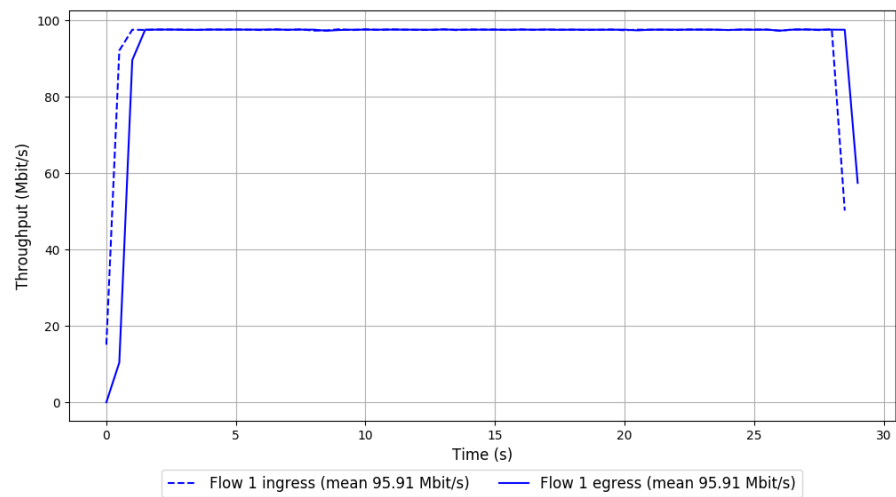
-- Flow 1:

Average throughput: 95.91 Mbit/s

95th percentile per-packet one-way delay: 37.141 ms

Loss rate: 0.00%

Run 3: Report of Indigo-MusesD — Data Link



Run 4: Statistics of Indigo-MusesD

Start at: 2020-02-17 23:01:41

End at: 2020-02-17 23:02:11

Local clock offset: 5.162 ms

Remote clock offset: 5.548 ms

Below is generated by plot.py at 2020-02-18 00:08:05

Datalink statistics

-- Total of 1 flow:

Average throughput: 95.83 Mbit/s

95th percentile per-packet one-way delay: 36.962 ms

Loss rate: 0.00%

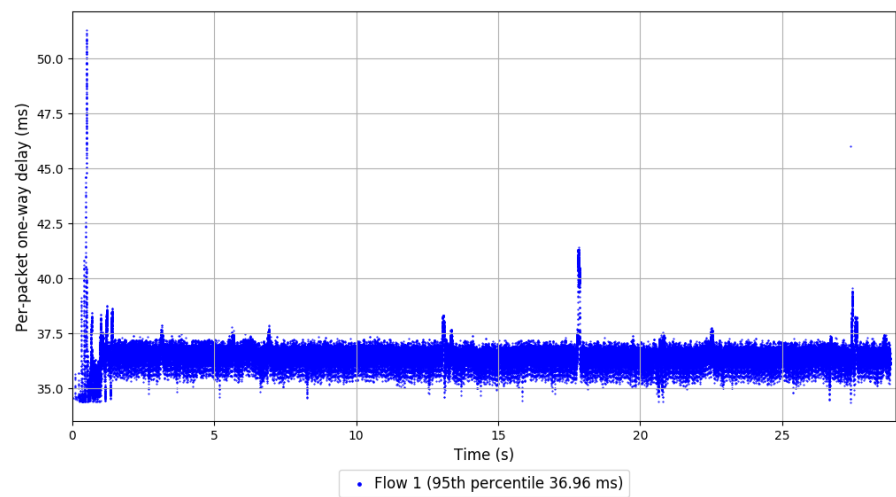
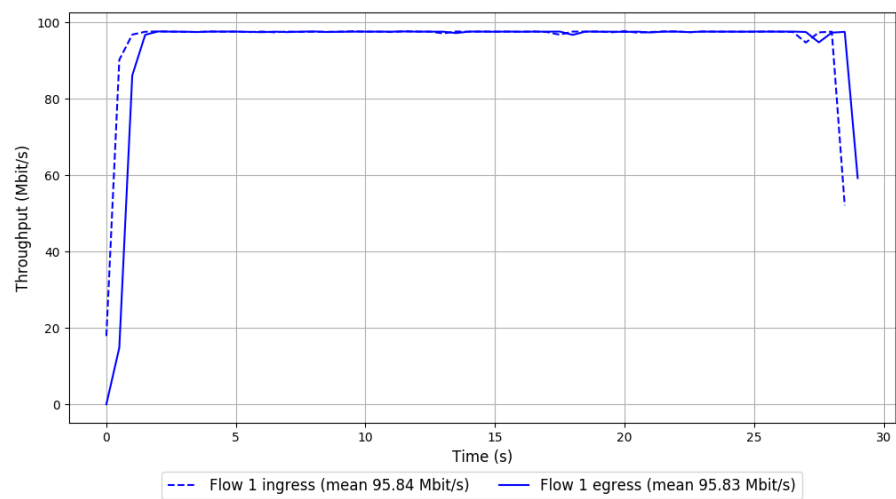
-- Flow 1:

Average throughput: 95.83 Mbit/s

95th percentile per-packet one-way delay: 36.962 ms

Loss rate: 0.00%

Run 4: Report of Indigo-MusesD — Data Link



Run 5: Statistics of Indigo-MusesD

Start at: 2020-02-17 23:31:55

End at: 2020-02-17 23:32:25

Local clock offset: 4.061 ms

Remote clock offset: 5.472 ms

Below is generated by plot.py at 2020-02-18 00:08:08

Datalink statistics

-- Total of 1 flow:

Average throughput: 95.92 Mbit/s

95th percentile per-packet one-way delay: 37.009 ms

Loss rate: 0.00%

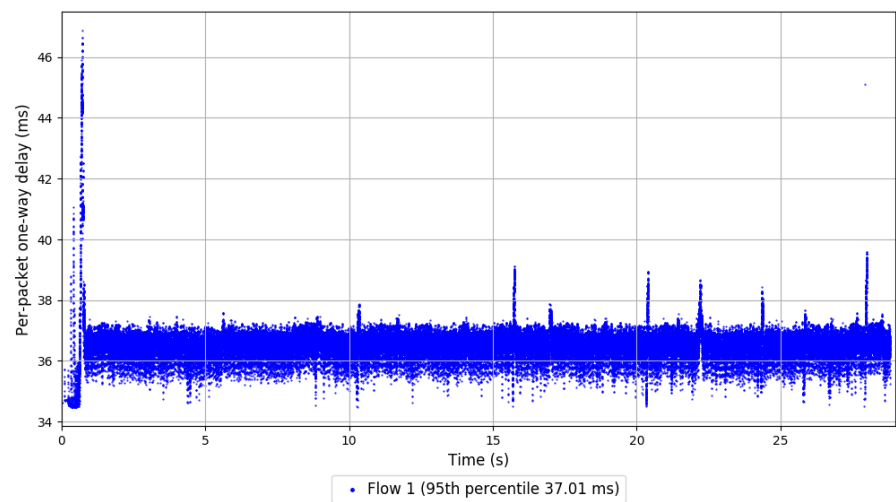
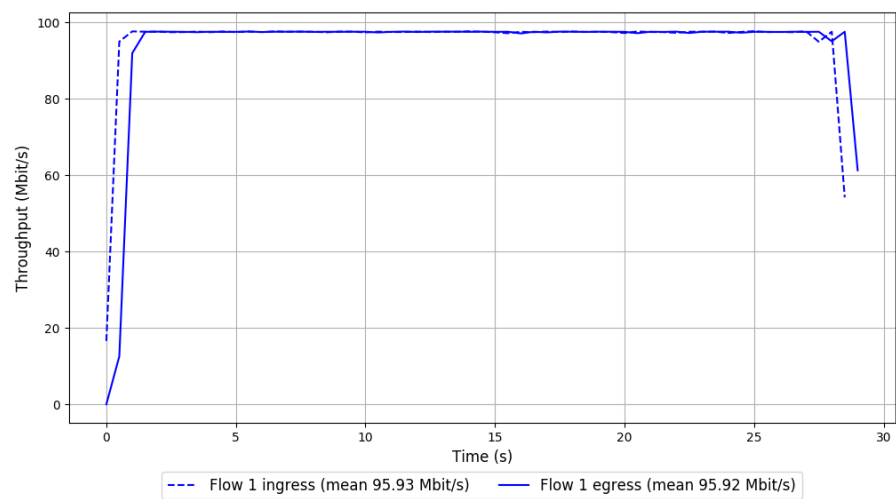
-- Flow 1:

Average throughput: 95.92 Mbit/s

95th percentile per-packet one-way delay: 37.009 ms

Loss rate: 0.00%

Run 5: Report of Indigo-MusesD — Data Link



Run 1: Statistics of Indigo-MusesT

Start at: 2020-02-17 21:34:22

End at: 2020-02-17 21:34:52

Local clock offset: 4.929 ms

Remote clock offset: 5.771 ms

Below is generated by plot.py at 2020-02-18 00:08:56

Datalink statistics

-- Total of 1 flow:

Average throughput: 96.27 Mbit/s

95th percentile per-packet one-way delay: 42.054 ms

Loss rate: 0.30%

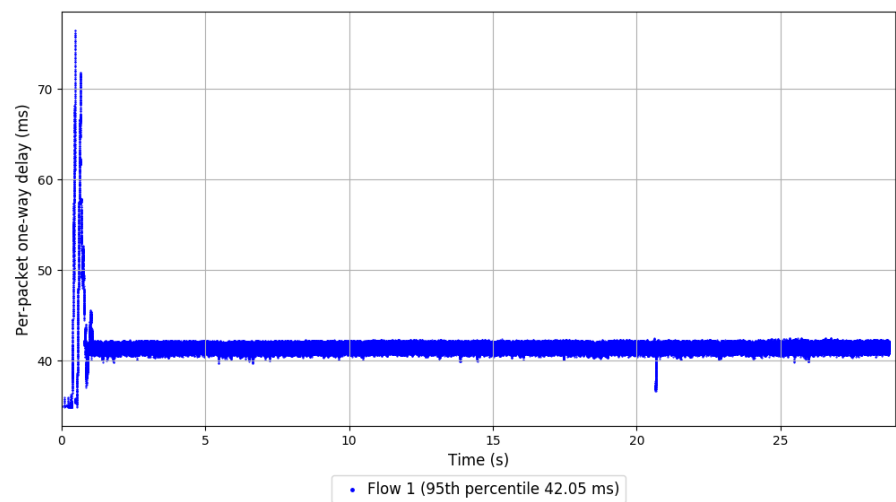
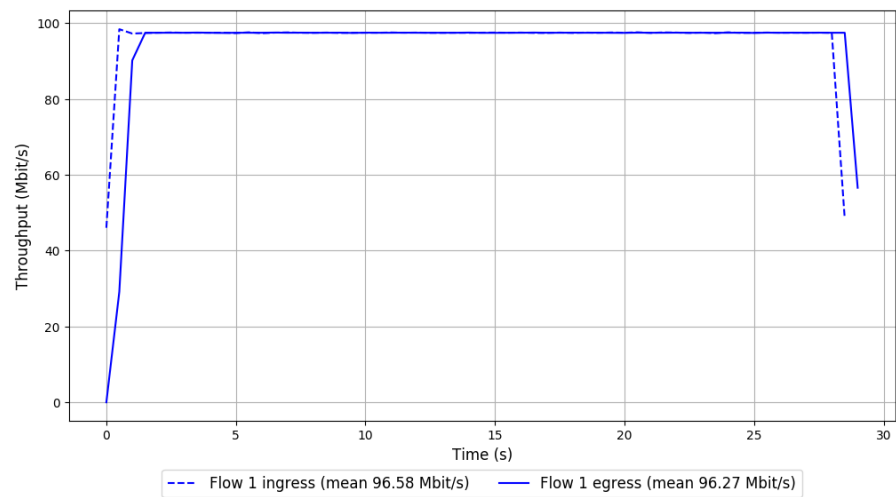
-- Flow 1:

Average throughput: 96.27 Mbit/s

95th percentile per-packet one-way delay: 42.054 ms

Loss rate: 0.30%

Run 1: Report of Indigo-MusesT — Data Link



Run 2: Statistics of Indigo-MusesT

Start at: 2020-02-17 22:05:43

End at: 2020-02-17 22:06:13

Local clock offset: 5.23 ms

Remote clock offset: 6.11 ms

Below is generated by plot.py at 2020-02-18 00:08:59

Datalink statistics

-- Total of 1 flow:

Average throughput: 95.63 Mbit/s

95th percentile per-packet one-way delay: 45.506 ms

Loss rate: 1.10%

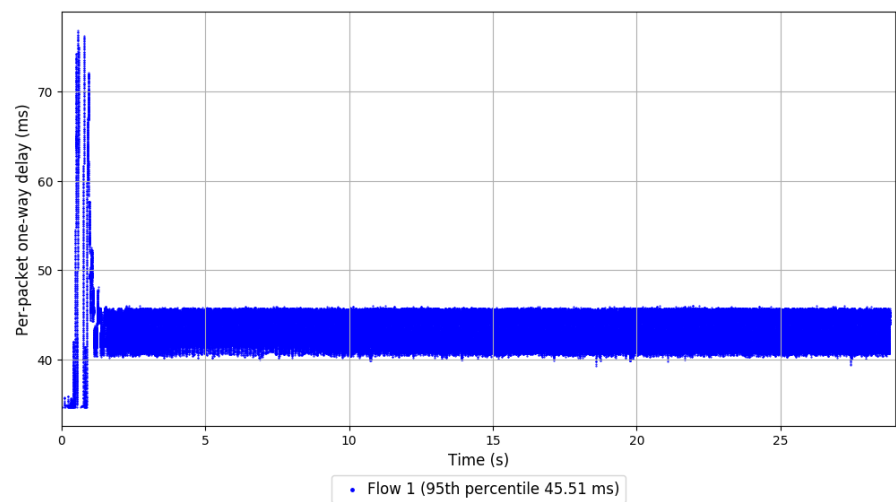
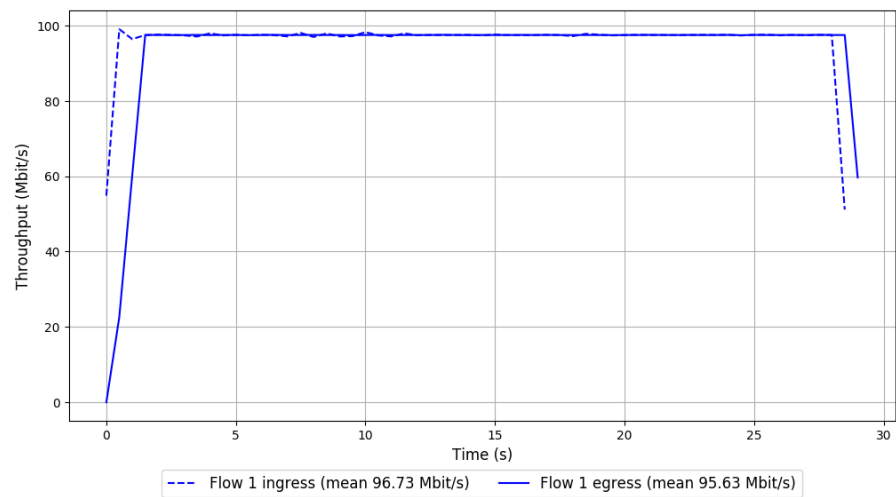
-- Flow 1:

Average throughput: 95.63 Mbit/s

95th percentile per-packet one-way delay: 45.506 ms

Loss rate: 1.10%

Run 2: Report of Indigo-MusesT — Data Link



Run 3: Statistics of Indigo-MusesT

Start at: 2020-02-17 22:36:06

End at: 2020-02-17 22:36:36

Local clock offset: 5.68 ms

Remote clock offset: 5.766 ms

Below is generated by plot.py at 2020-02-18 00:09:00

Datalink statistics

-- Total of 1 flow:

Average throughput: 96.00 Mbit/s

95th percentile per-packet one-way delay: 45.547 ms

Loss rate: 0.65%

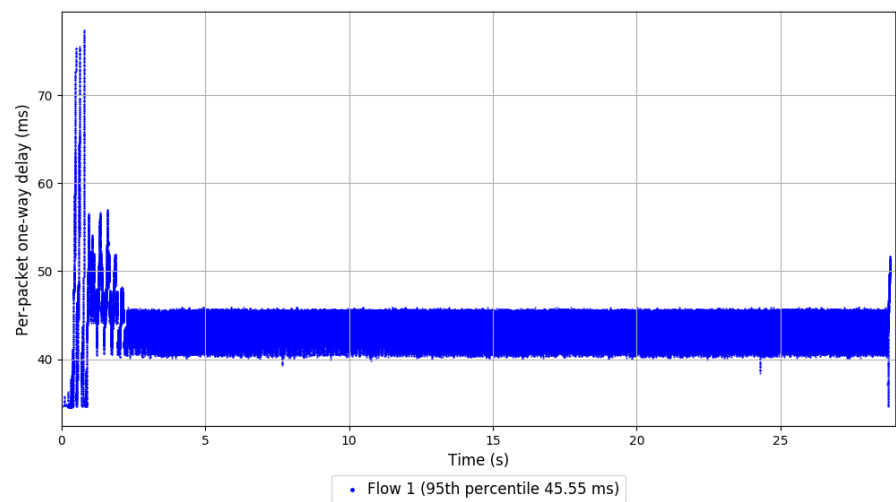
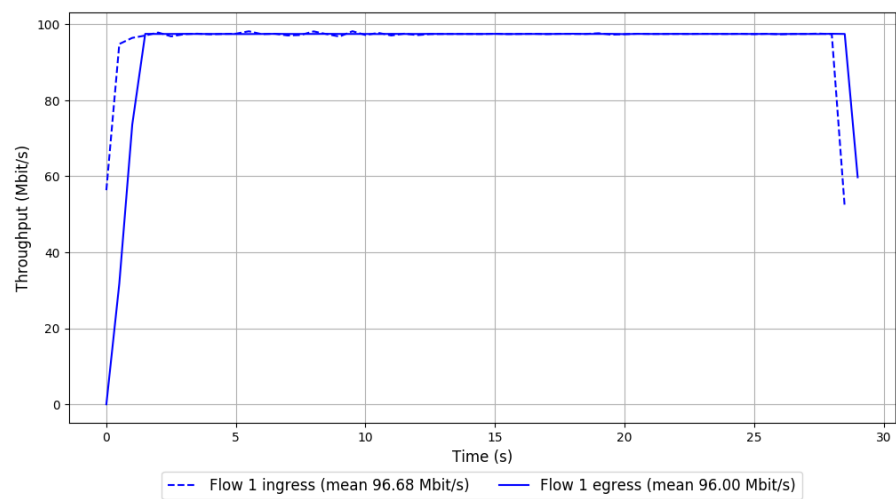
-- Flow 1:

Average throughput: 96.00 Mbit/s

95th percentile per-packet one-way delay: 45.547 ms

Loss rate: 0.65%

Run 3: Report of Indigo-MusesT — Data Link



Run 4: Statistics of Indigo-MusesT

Start at: 2020-02-17 23:05:34

End at: 2020-02-17 23:06:04

Local clock offset: 4.603 ms

Remote clock offset: 5.714 ms

Below is generated by plot.py at 2020-02-18 00:09:01

Datalink statistics

-- Total of 1 flow:

Average throughput: 96.20 Mbit/s

95th percentile per-packet one-way delay: 45.359 ms

Loss rate: 0.58%

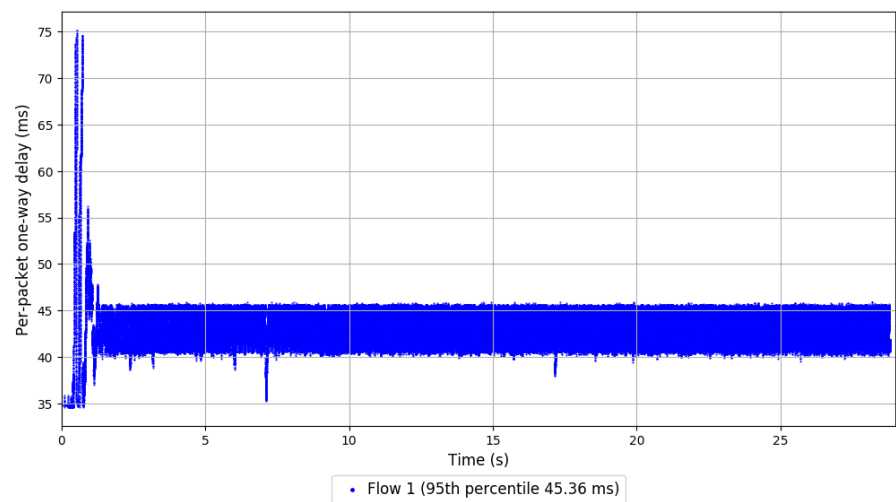
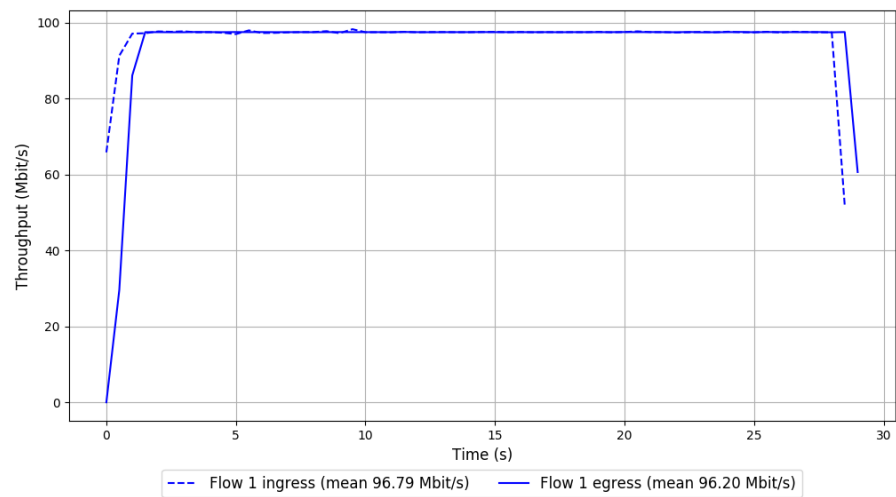
-- Flow 1:

Average throughput: 96.20 Mbit/s

95th percentile per-packet one-way delay: 45.359 ms

Loss rate: 0.58%

Run 4: Report of Indigo-MusesT — Data Link



Run 5: Statistics of Indigo-MusesT

Start at: 2020-02-17 23:35:36

End at: 2020-02-17 23:36:06

Local clock offset: 4.301 ms

Remote clock offset: 5.641 ms

Below is generated by plot.py at 2020-02-18 00:09:02

Datalink statistics

-- Total of 1 flow:

Average throughput: 95.97 Mbit/s

95th percentile per-packet one-way delay: 45.492 ms

Loss rate: 0.98%

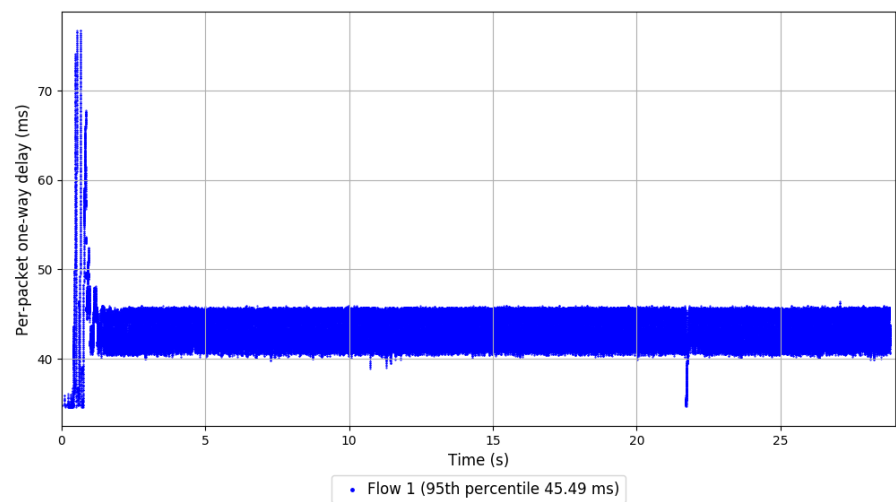
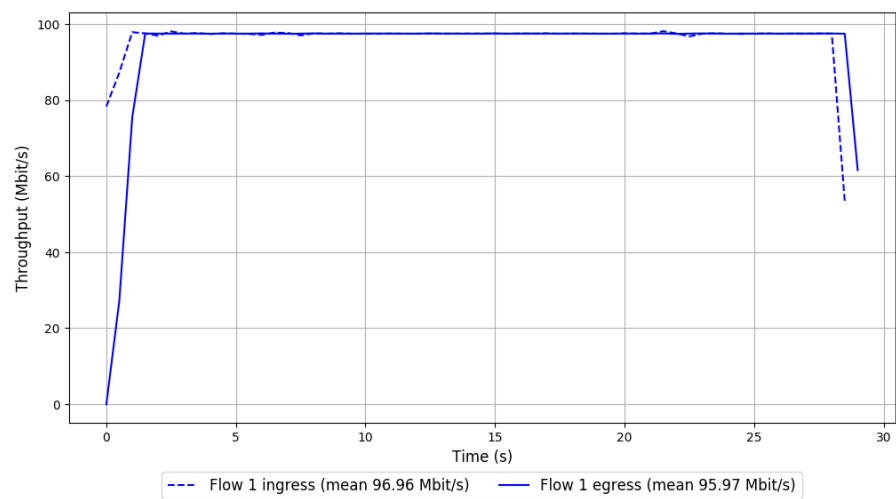
-- Flow 1:

Average throughput: 95.97 Mbit/s

95th percentile per-packet one-way delay: 45.492 ms

Loss rate: 0.98%

Run 5: Report of Indigo-MusesT — Data Link

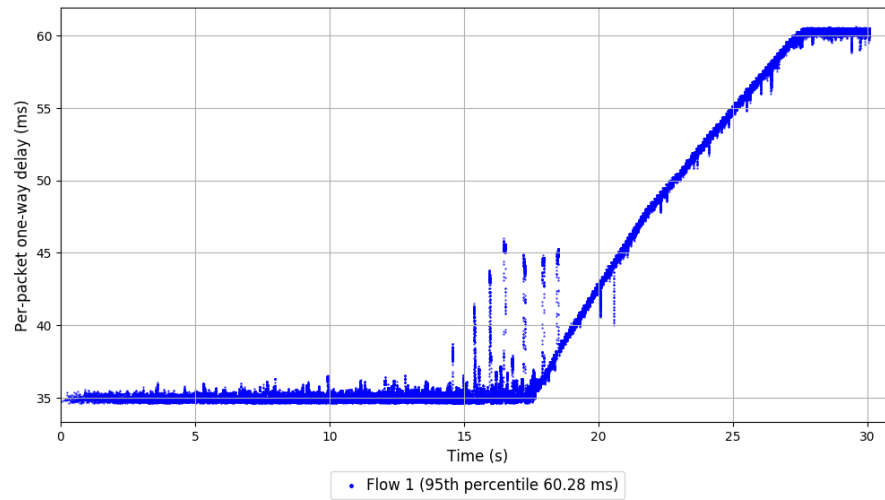
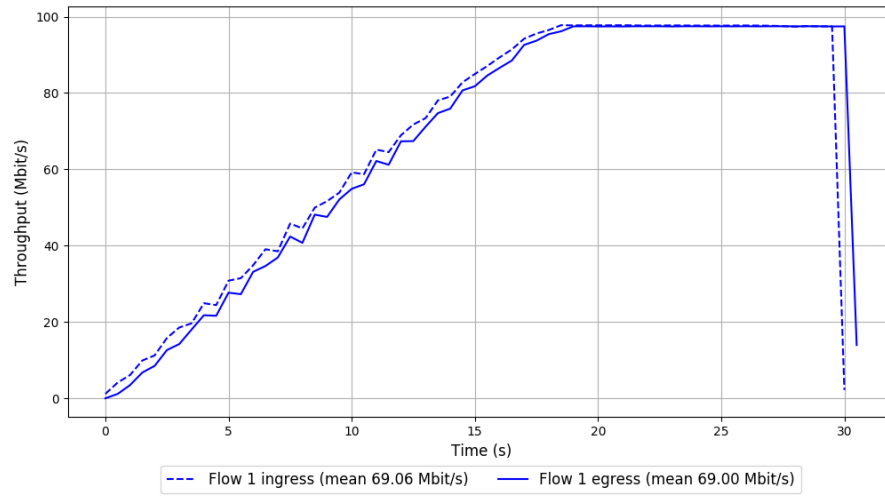


```
Run 1: Statistics of LEDBAT

Start at: 2020-02-17 21:43:21
End at: 2020-02-17 21:43:51
Local clock offset: 4.632 ms
Remote clock offset: 5.783 ms

# Below is generated by plot.py at 2020-02-18 00:09:02
# Datalink statistics
-- Total of 1 flow:
Average throughput: 69.00 Mbit/s
95th percentile per-packet one-way delay: 60.284 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 69.00 Mbit/s
95th percentile per-packet one-way delay: 60.284 ms
Loss rate: 0.00%
```

Run 1: Report of LEDBAT — Data Link



Run 2: Statistics of LEDBAT

Start at: 2020-02-17 22:15:14

End at: 2020-02-17 22:15:44

Local clock offset: 5.568 ms

Remote clock offset: 6.116 ms

Below is generated by plot.py at 2020-02-18 00:09:02

Datalink statistics

-- Total of 1 flow:

Average throughput: 62.64 Mbit/s

95th percentile per-packet one-way delay: 40.045 ms

Loss rate: 0.00%

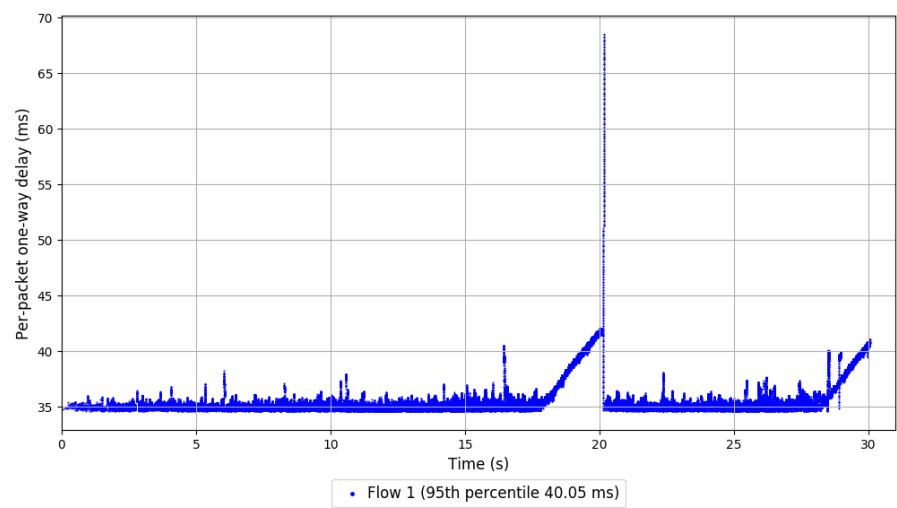
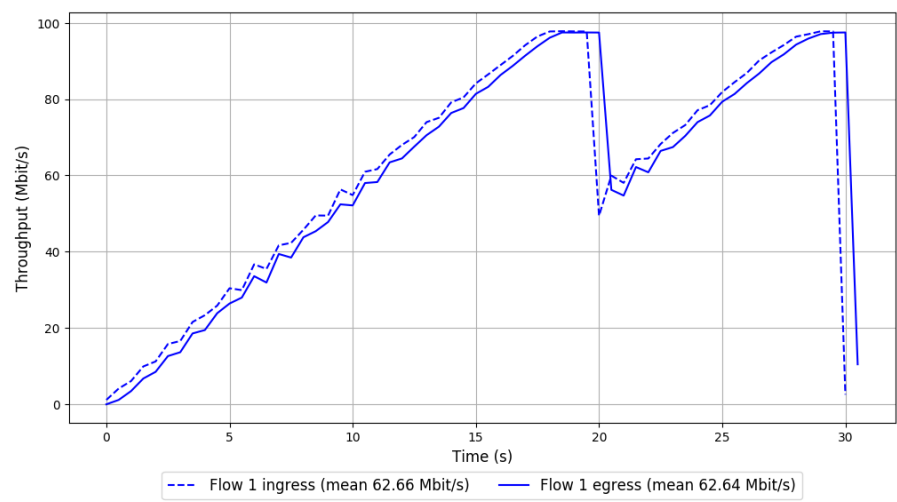
-- Flow 1:

Average throughput: 62.64 Mbit/s

95th percentile per-packet one-way delay: 40.045 ms

Loss rate: 0.00%

Run 2: Report of LEDBAT — Data Link



Run 3: Statistics of LEDBAT

Start at: 2020-02-17 22:44:39

End at: 2020-02-17 22:45:09

Local clock offset: 5.696 ms

Remote clock offset: 5.953 ms

Below is generated by plot.py at 2020-02-18 00:09:02

Datalink statistics

-- Total of 1 flow:

Average throughput: 69.06 Mbit/s

95th percentile per-packet one-way delay: 60.376 ms

Loss rate: 0.00%

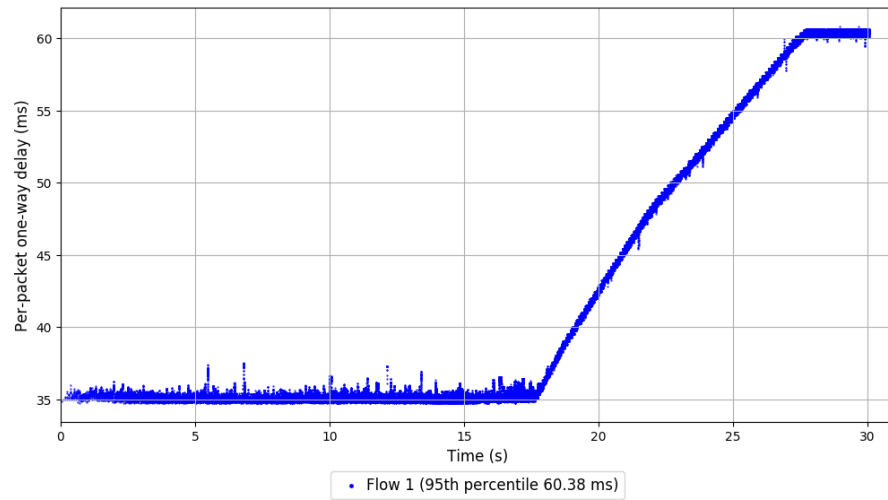
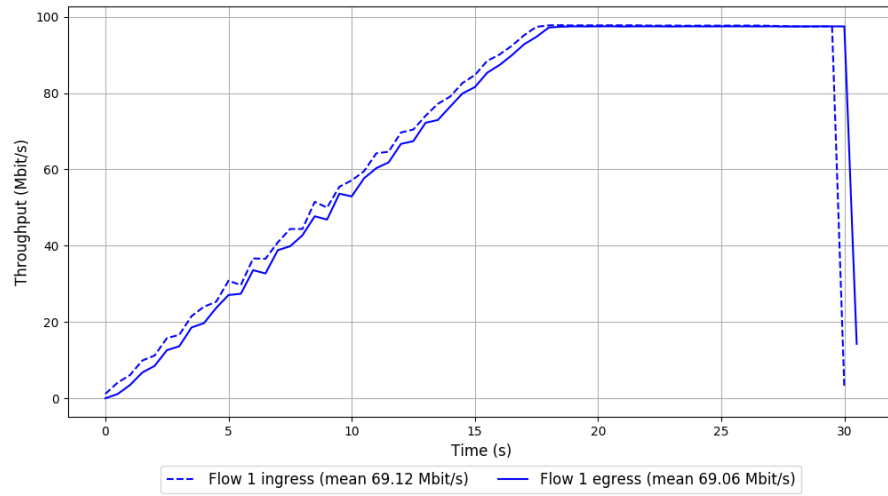
-- Flow 1:

Average throughput: 69.06 Mbit/s

95th percentile per-packet one-way delay: 60.376 ms

Loss rate: 0.00%

Run 3: Report of LEDBAT — Data Link



Run 4: Statistics of LEDBAT

Start at: 2020-02-17 23:14:19

End at: 2020-02-17 23:14:49

Local clock offset: 3.992 ms

Remote clock offset: 5.736 ms

Below is generated by plot.py at 2020-02-18 00:09:32

Datalink statistics

-- Total of 1 flow:

Average throughput: 68.87 Mbit/s

95th percentile per-packet one-way delay: 60.339 ms

Loss rate: 0.00%

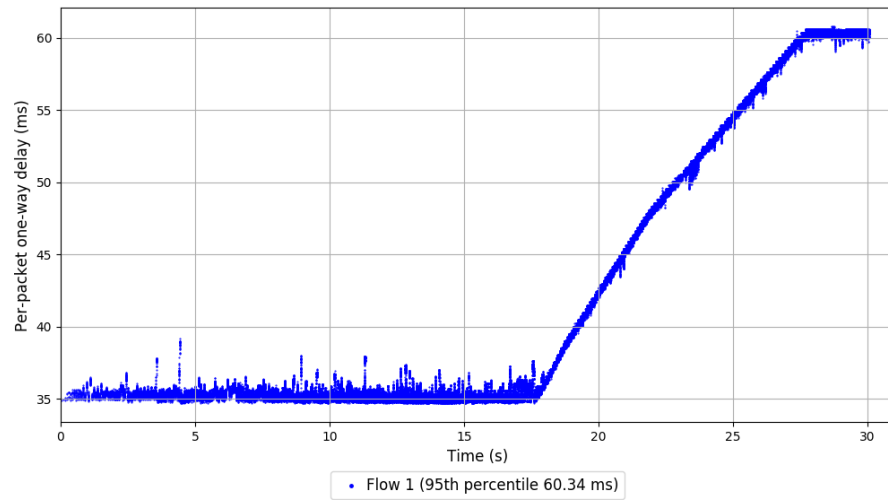
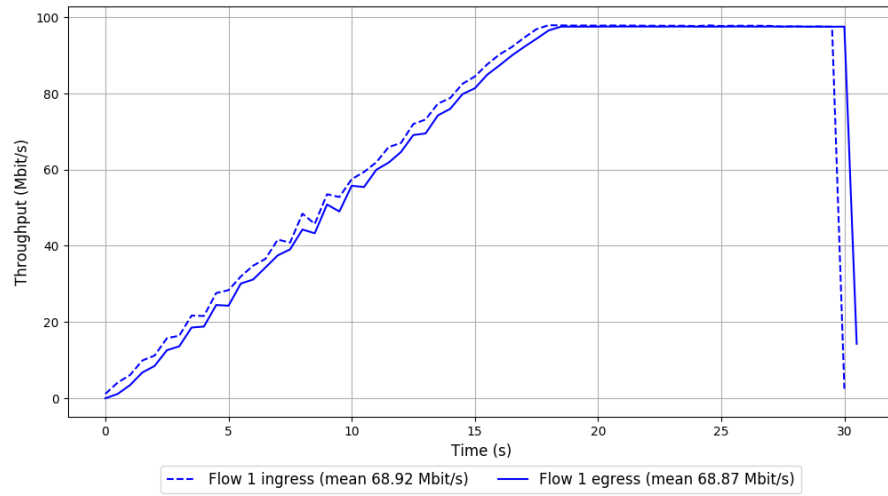
-- Flow 1:

Average throughput: 68.87 Mbit/s

95th percentile per-packet one-way delay: 60.339 ms

Loss rate: 0.00%

Run 4: Report of LEDBAT — Data Link



Run 5: Statistics of LEDBAT

Start at: 2020-02-17 23:44:21

End at: 2020-02-17 23:44:51

Local clock offset: 4.599 ms

Remote clock offset: 5.572 ms

Below is generated by plot.py at 2020-02-18 00:09:39

Datalink statistics

-- Total of 1 flow:

Average throughput: 68.76 Mbit/s

95th percentile per-packet one-way delay: 60.234 ms

Loss rate: 0.00%

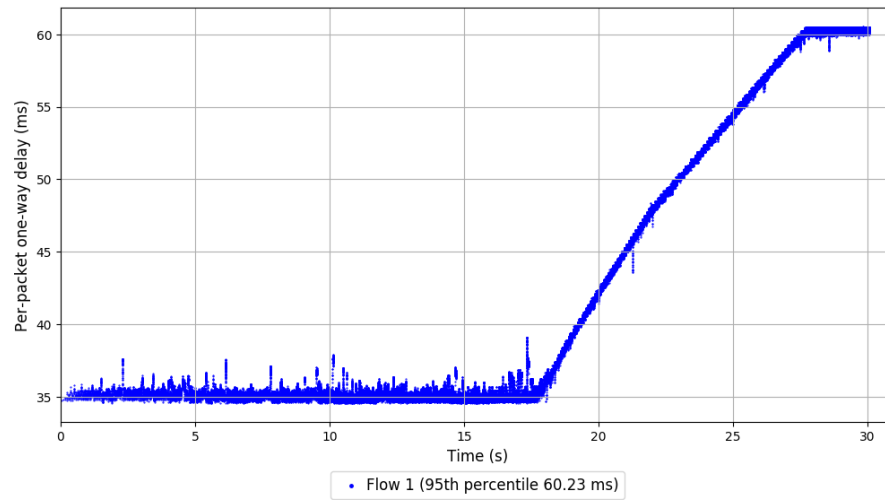
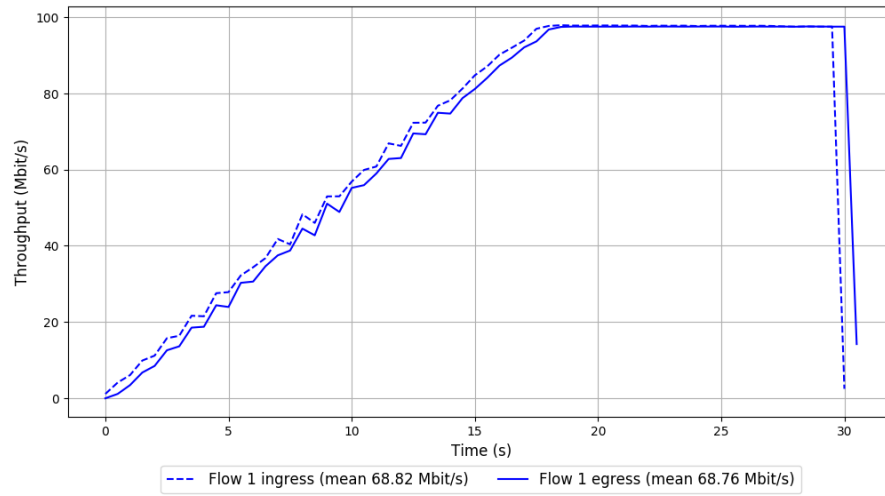
-- Flow 1:

Average throughput: 68.76 Mbit/s

95th percentile per-packet one-way delay: 60.234 ms

Loss rate: 0.00%

Run 5: Report of LEDBAT — Data Link

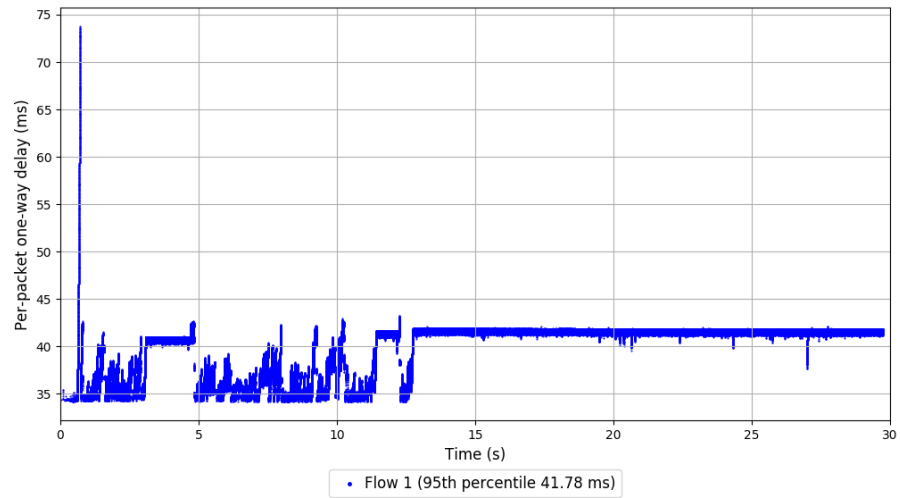
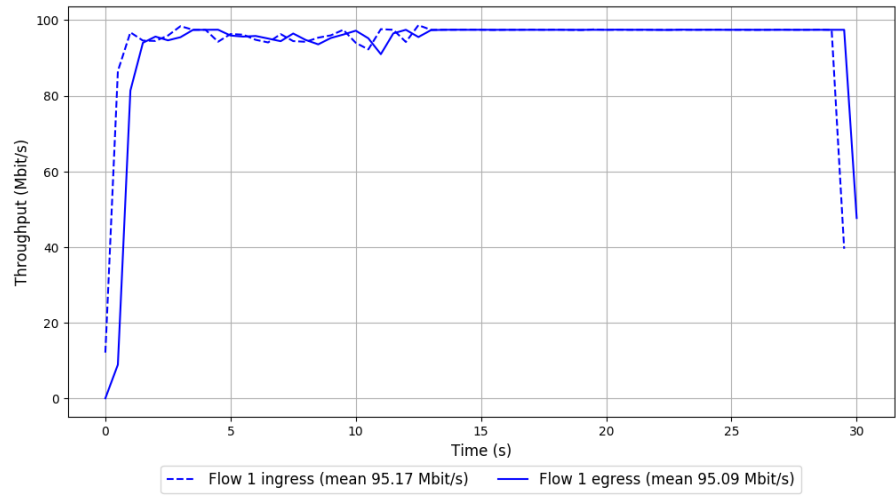


```
Run 1: Statistics of Muses\_DecisionTree

Start at: 2020-02-17 21:36:49
End at: 2020-02-17 21:37:19
Local clock offset: 5.294 ms
Remote clock offset: 5.621 ms

# Below is generated by plot.py at 2020-02-18 00:10:04
# Datalink statistics
-- Total of 1 flow:
Average throughput: 95.09 Mbit/s
95th percentile per-packet one-way delay: 41.785 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 95.09 Mbit/s
95th percentile per-packet one-way delay: 41.785 ms
Loss rate: 0.06%
```

Run 1: Report of Muses_DecisionTree — Data Link



Run 2: Statistics of Muses_DecisionTree

Start at: 2020-02-17 22:08:28

End at: 2020-02-17 22:08:58

Local clock offset: 5.302 ms

Remote clock offset: 6.096 ms

Below is generated by plot.py at 2020-02-18 00:10:07

Datalink statistics

-- Total of 1 flow:

Average throughput: 94.41 Mbit/s

95th percentile per-packet one-way delay: 42.660 ms

Loss rate: 0.05%

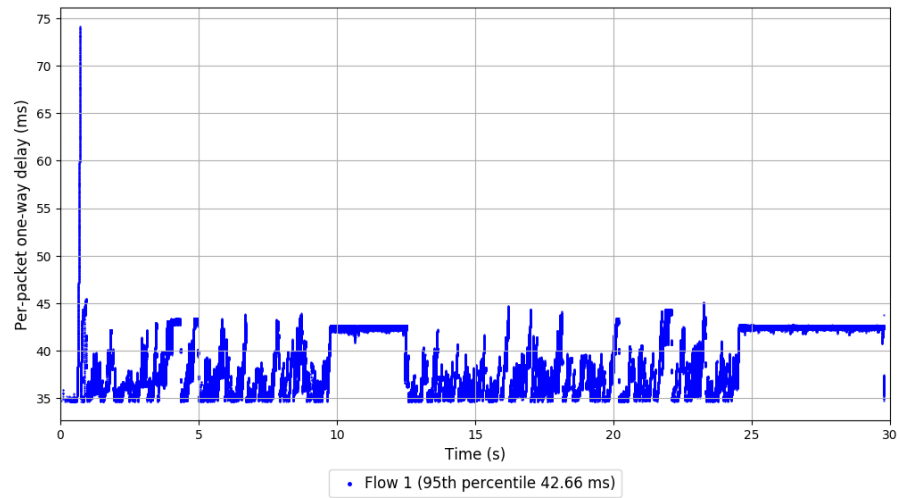
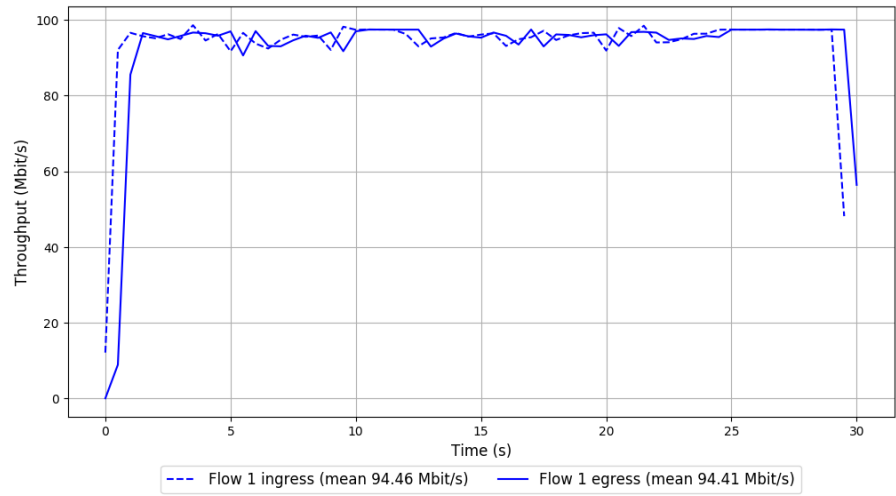
-- Flow 1:

Average throughput: 94.41 Mbit/s

95th percentile per-packet one-way delay: 42.660 ms

Loss rate: 0.05%

Run 2: Report of Muses_DecisionTree — Data Link



Run 3: Statistics of Muses_DecisionTree

Start at: 2020-02-17 22:38:41

End at: 2020-02-17 22:39:11

Local clock offset: 5.615 ms

Remote clock offset: 5.732 ms

Below is generated by plot.py at 2020-02-18 00:10:07

Datalink statistics

-- Total of 1 flow:

Average throughput: 94.60 Mbit/s

95th percentile per-packet one-way delay: 43.702 ms

Loss rate: 0.05%

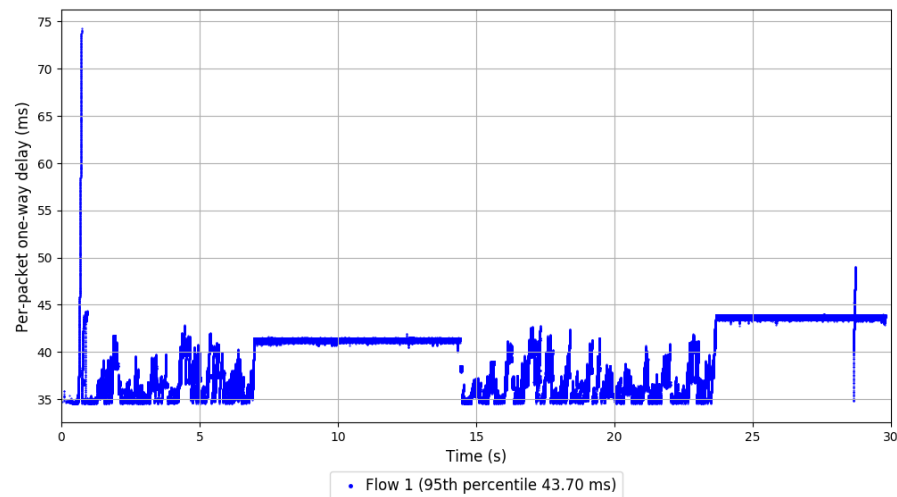
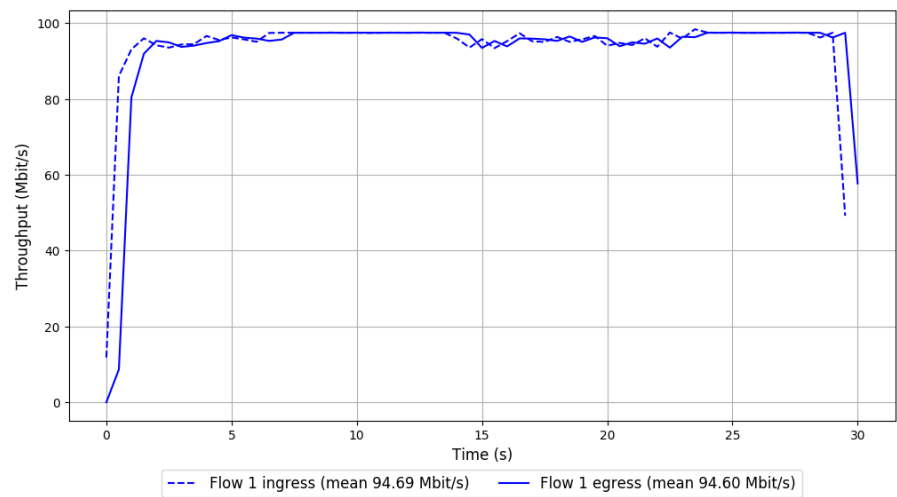
-- Flow 1:

Average throughput: 94.60 Mbit/s

95th percentile per-packet one-way delay: 43.702 ms

Loss rate: 0.05%

Run 3: Report of Muses_DecisionTree — Data Link



Run 4: Statistics of Muses_DecisionTree

Start at: 2020-02-17 23:08:07

End at: 2020-02-17 23:08:37

Local clock offset: 4.367 ms

Remote clock offset: 5.727 ms

Below is generated by plot.py at 2020-02-18 00:10:08

Datalink statistics

-- Total of 1 flow:

Average throughput: 94.01 Mbit/s

95th percentile per-packet one-way delay: 41.789 ms

Loss rate: 0.03%

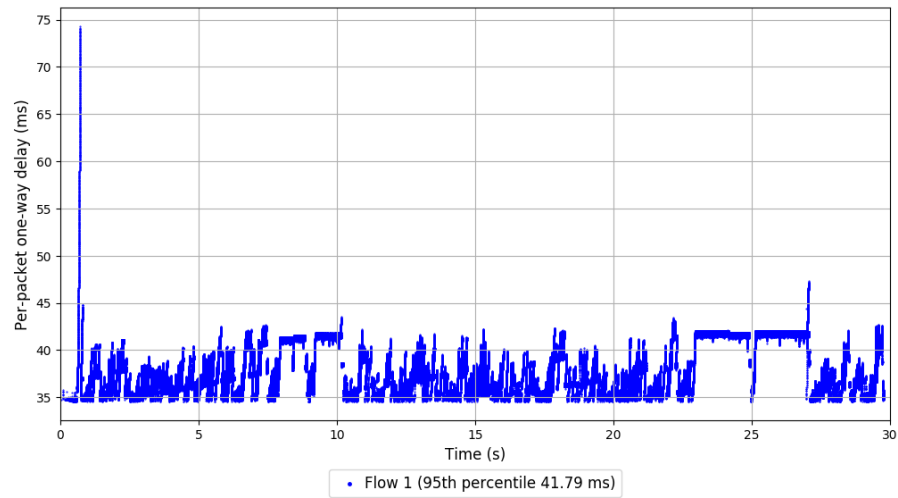
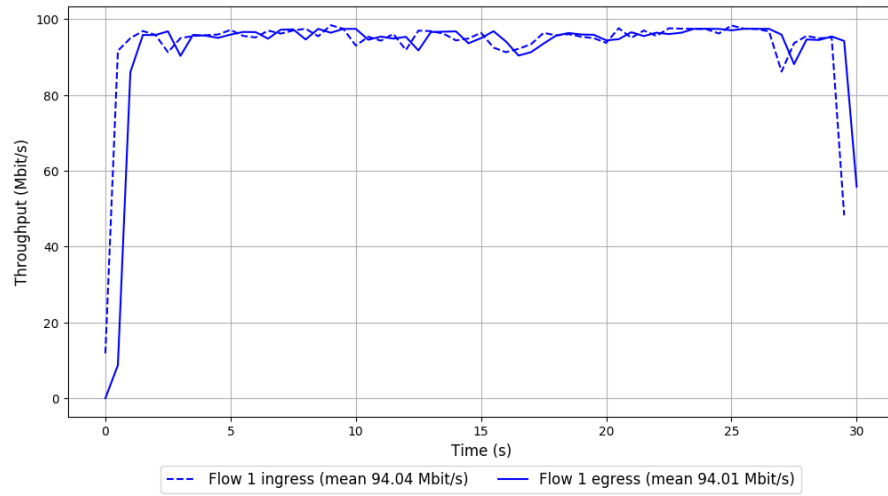
-- Flow 1:

Average throughput: 94.01 Mbit/s

95th percentile per-packet one-way delay: 41.789 ms

Loss rate: 0.03%

Run 4: Report of Muses_DecisionTree — Data Link



Run 5: Statistics of Muses_DecisionTree

Start at: 2020-02-17 23:38:10

End at: 2020-02-17 23:38:40

Local clock offset: 4.38 ms

Remote clock offset: 5.624 ms

Below is generated by plot.py at 2020-02-18 00:10:09

Datalink statistics

-- Total of 1 flow:

Average throughput: 94.26 Mbit/s

95th percentile per-packet one-way delay: 44.292 ms

Loss rate: 0.05%

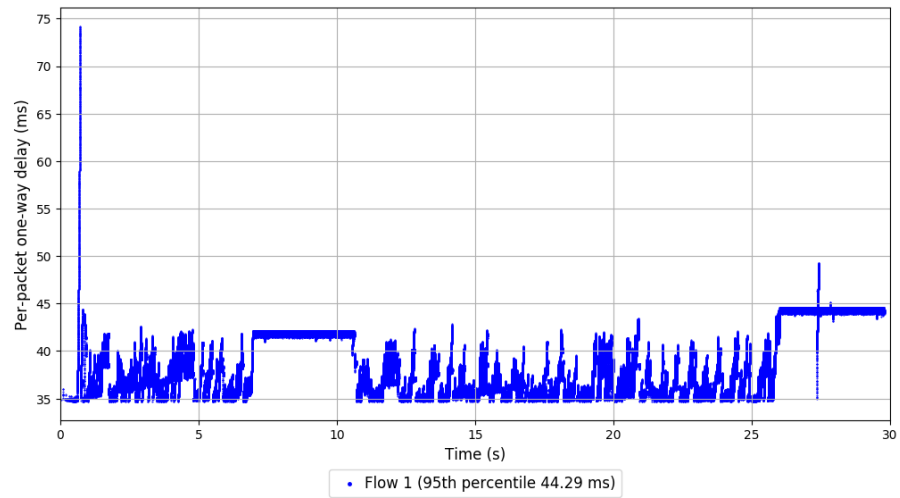
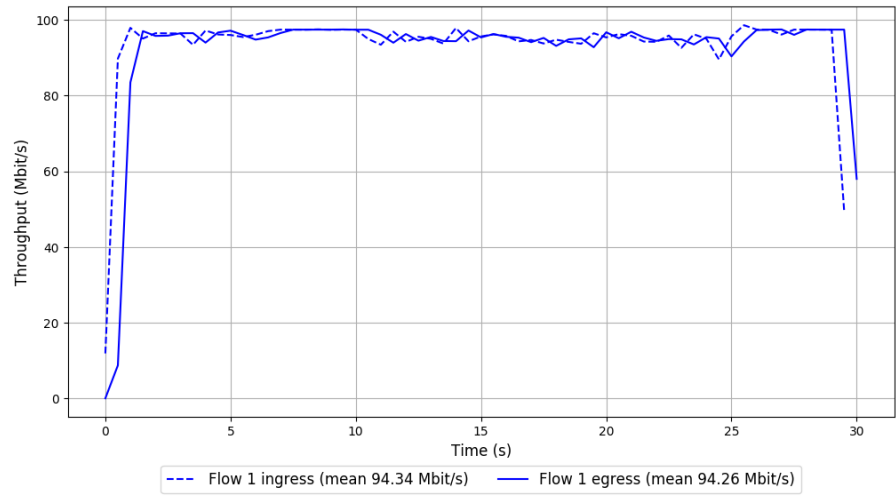
-- Flow 1:

Average throughput: 94.26 Mbit/s

95th percentile per-packet one-way delay: 44.292 ms

Loss rate: 0.05%

Run 5: Report of Muses_DecisionTree — Data Link

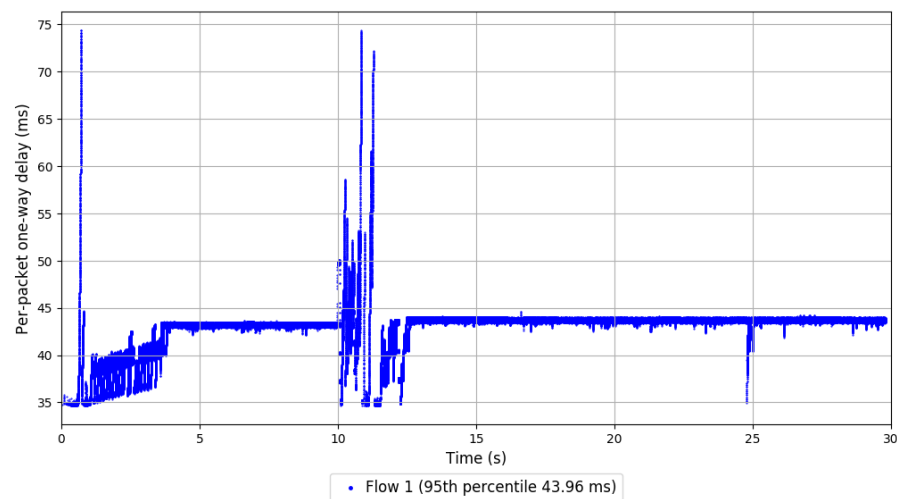
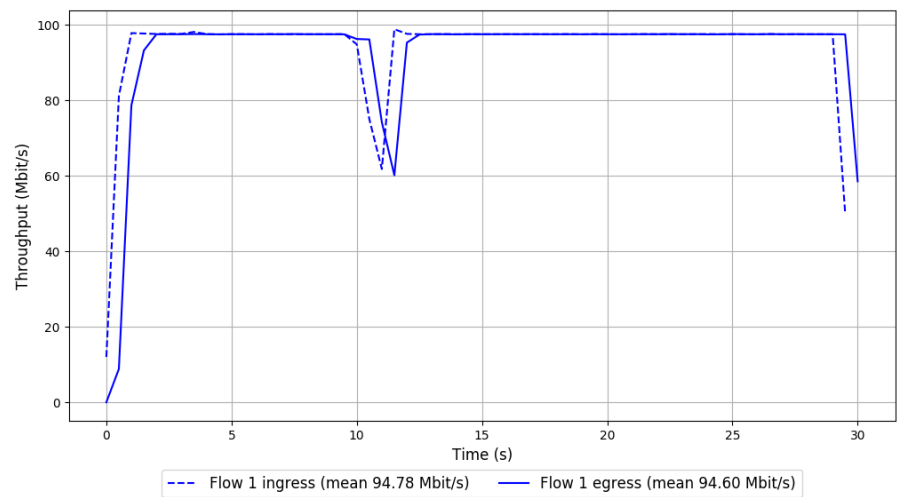



```
Run 1: Statistics of Muses\_DecisionTreeH0

Start at: 2020-02-17 21:44:44
End at: 2020-02-17 21:45:14
Local clock offset: 4.633 ms
Remote clock offset: 5.725 ms

# Below is generated by plot.py at 2020-02-18 00:10:10
# Datalink statistics
-- Total of 1 flow:
Average throughput: 94.60 Mbit/s
95th percentile per-packet one-way delay: 43.961 ms
Loss rate: 0.16%
-- Flow 1:
Average throughput: 94.60 Mbit/s
95th percentile per-packet one-way delay: 43.961 ms
Loss rate: 0.16%
```

Run 1: Report of Muses_DecisionTreeH0 — Data Link



Run 2: Statistics of Muses_DecisionTreeH0

Start at: 2020-02-17 22:16:33

End at: 2020-02-17 22:17:03

Local clock offset: 5.644 ms

Remote clock offset: 6.22 ms

Below is generated by plot.py at 2020-02-18 00:10:42

Datalink statistics

-- Total of 1 flow:

Average throughput: 93.70 Mbit/s

95th percentile per-packet one-way delay: 44.923 ms

Loss rate: 0.24%

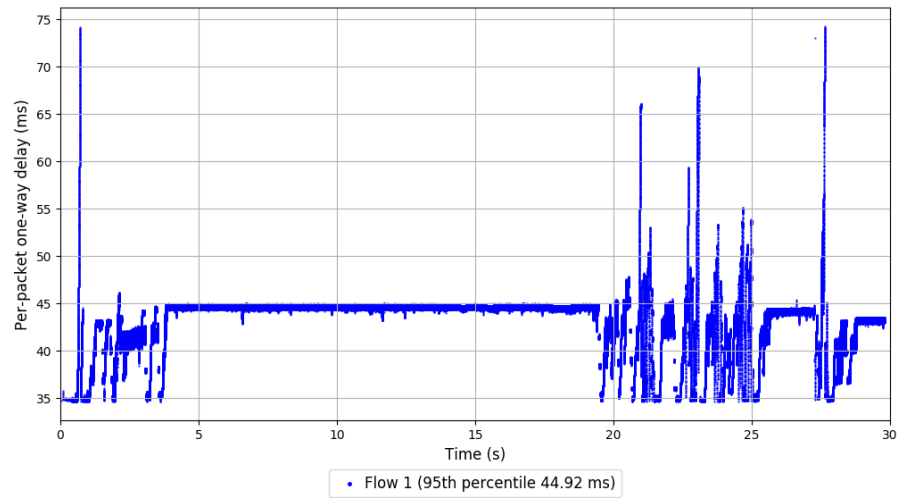
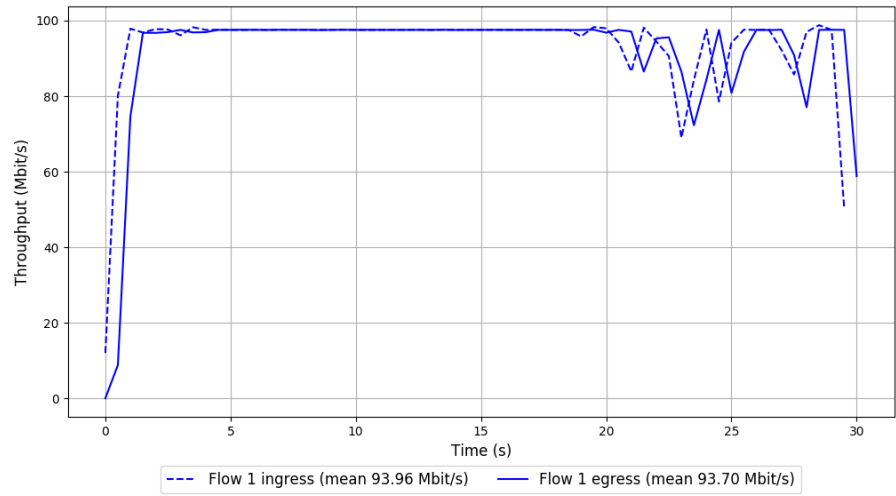
-- Flow 1:

Average throughput: 93.70 Mbit/s

95th percentile per-packet one-way delay: 44.923 ms

Loss rate: 0.24%

Run 2: Report of Muses_DecisionTreeH0 — Data Link



Run 3: Statistics of Muses_DecisionTreeH0

Start at: 2020-02-17 22:45:53

End at: 2020-02-17 22:46:23

Local clock offset: 5.69 ms

Remote clock offset: 5.86 ms

Below is generated by plot.py at 2020-02-18 00:10:56

Datalink statistics

-- Total of 1 flow:

Average throughput: 95.67 Mbit/s

95th percentile per-packet one-way delay: 44.556 ms

Loss rate: 0.06%

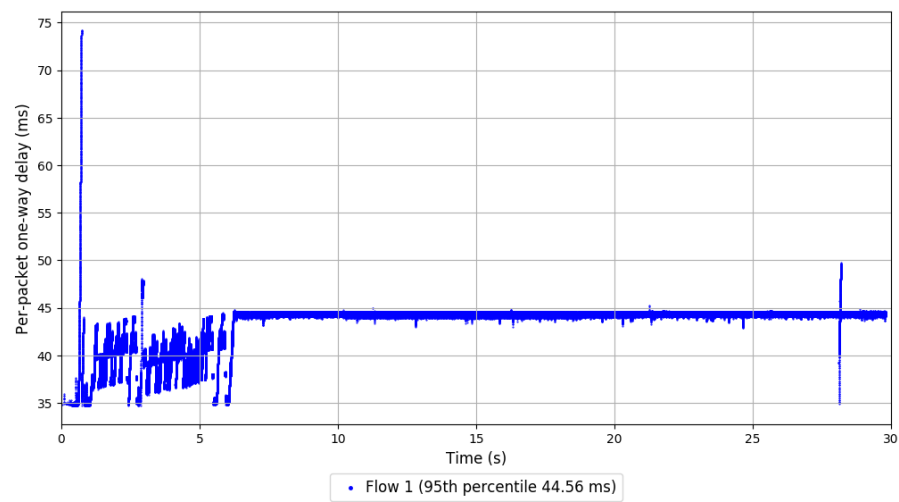
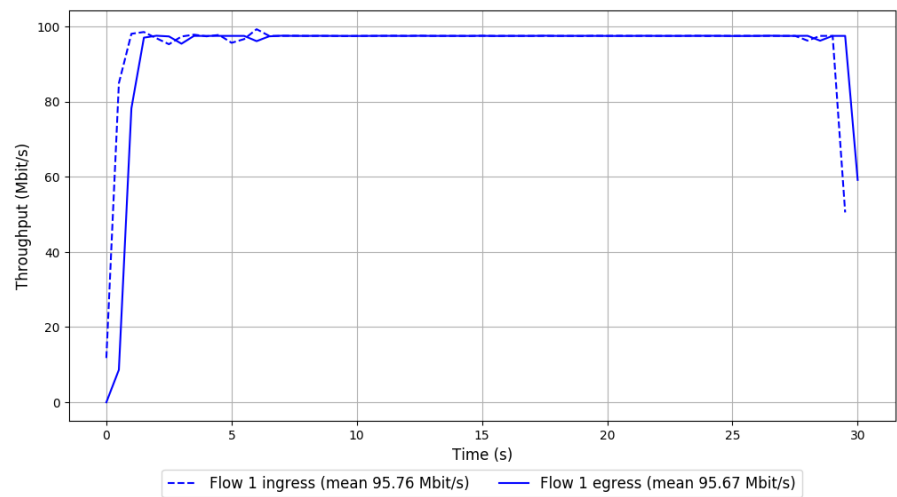
-- Flow 1:

Average throughput: 95.67 Mbit/s

95th percentile per-packet one-way delay: 44.556 ms

Loss rate: 0.06%

Run 3: Report of Muses_DecisionTreeH0 — Data Link



Run 4: Statistics of Muses_DecisionTreeH0

Start at: 2020-02-17 23:15:35

End at: 2020-02-17 23:16:05

Local clock offset: 3.946 ms

Remote clock offset: 5.614 ms

Below is generated by plot.py at 2020-02-18 00:11:14

Datalink statistics

-- Total of 1 flow:

Average throughput: 95.71 Mbit/s

95th percentile per-packet one-way delay: 44.687 ms

Loss rate: 0.05%

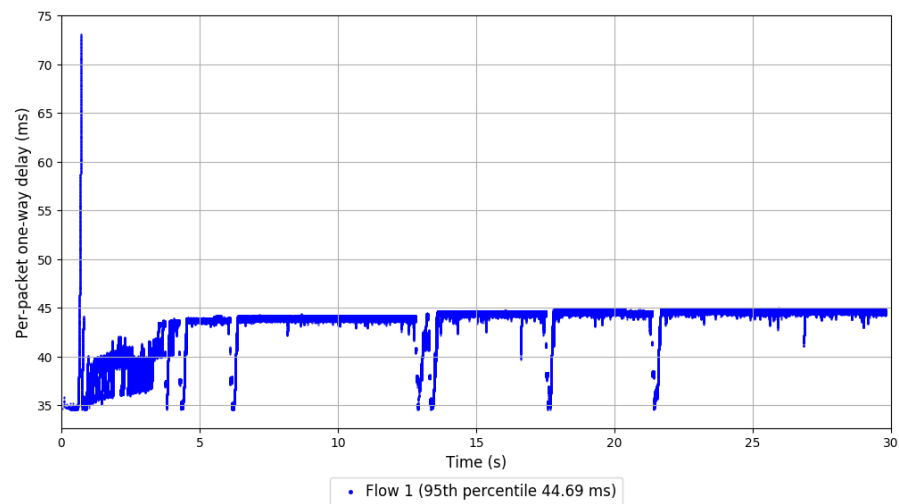
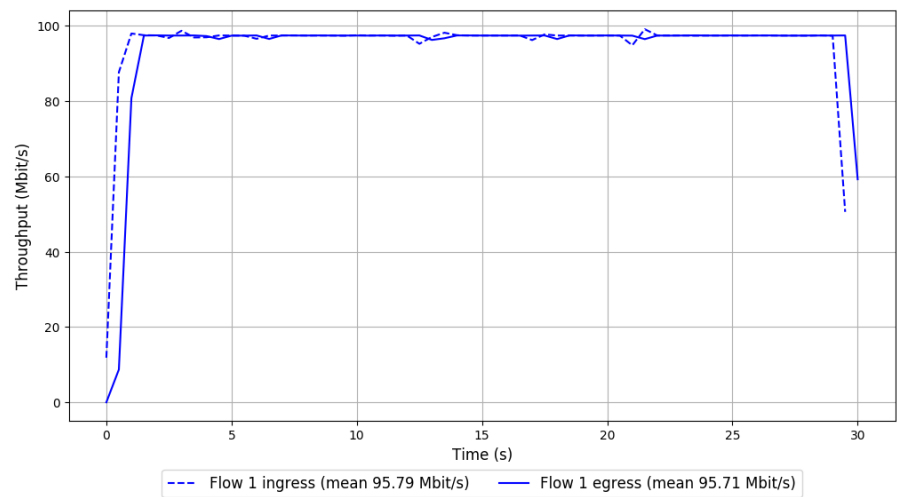
-- Flow 1:

Average throughput: 95.71 Mbit/s

95th percentile per-packet one-way delay: 44.687 ms

Loss rate: 0.05%

Run 4: Report of Muses_DecisionTreeH0 — Data Link



Run 5: Statistics of Muses_DecisionTreeH0

Start at: 2020-02-17 23:45:39

End at: 2020-02-17 23:46:09

Local clock offset: 4.597 ms

Remote clock offset: 5.542 ms

Below is generated by plot.py at 2020-02-18 00:11:16

Datalink statistics

-- Total of 1 flow:

Average throughput: 95.28 Mbit/s

95th percentile per-packet one-way delay: 44.141 ms

Loss rate: 0.11%

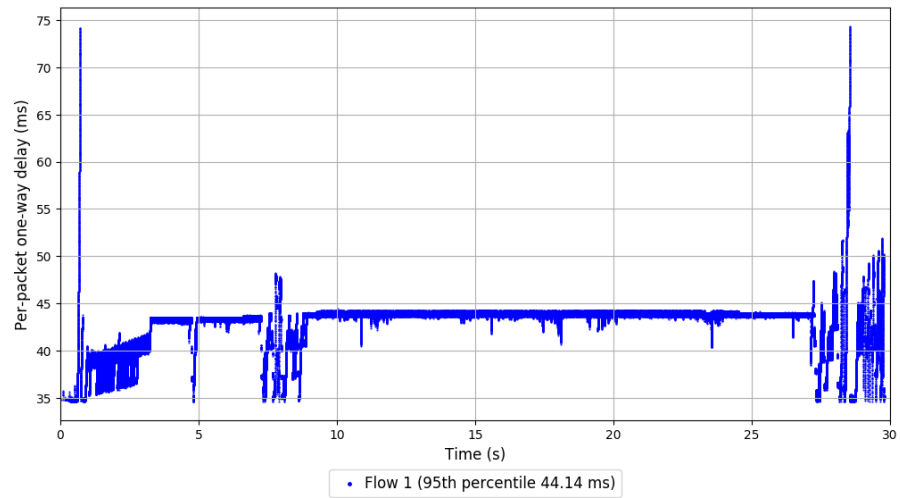
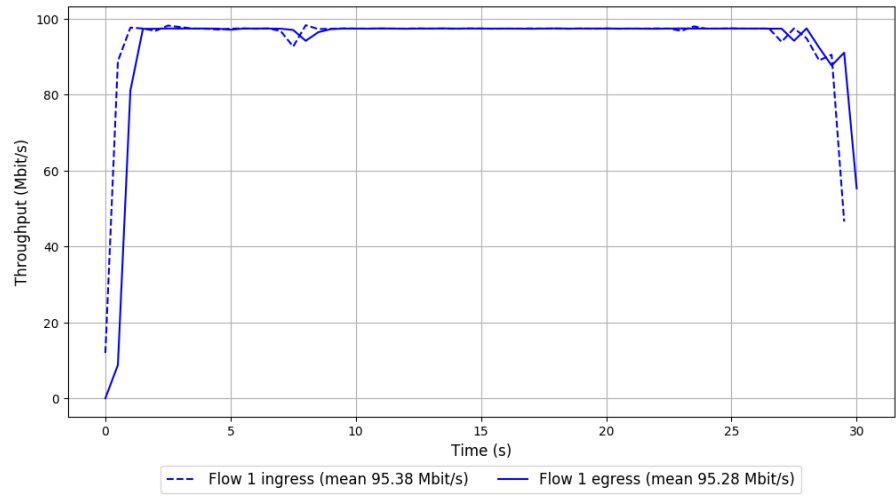
-- Flow 1:

Average throughput: 95.28 Mbit/s

95th percentile per-packet one-way delay: 44.141 ms

Loss rate: 0.11%

Run 5: Report of Muses_DecisionTreeH0 — Data Link

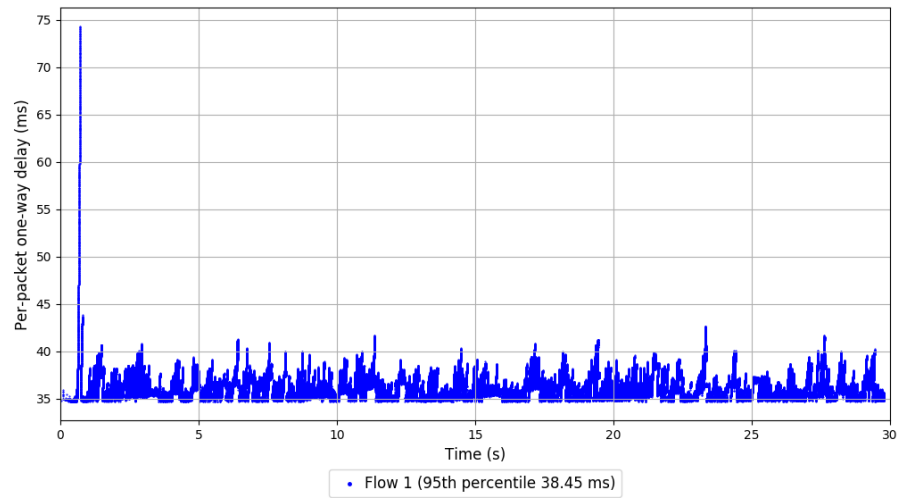
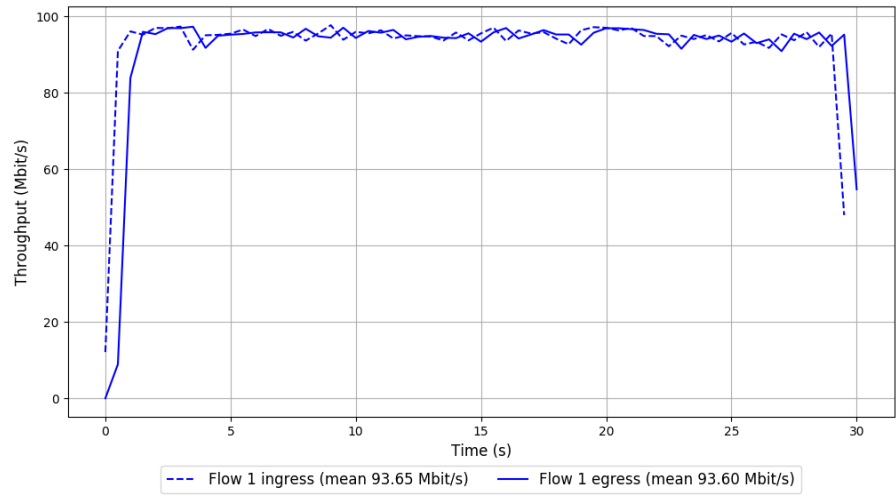


```
Run 1: Statistics of Muses\_DecisionTreeR0

Start at: 2020-02-17 21:52:32
End at: 2020-02-17 21:53:02
Local clock offset: 4.889 ms
Remote clock offset: 5.933 ms

# Below is generated by plot.py at 2020-02-18 00:11:16
# Datalink statistics
-- Total of 1 flow:
Average throughput: 93.60 Mbit/s
95th percentile per-packet one-way delay: 38.447 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 93.60 Mbit/s
95th percentile per-packet one-way delay: 38.447 ms
Loss rate: 0.06%
```

Run 1: Report of Muses_DecisionTreeR0 — Data Link



Run 2: Statistics of Muses_DecisionTreeR0

Start at: 2020-02-17 22:24:04

End at: 2020-02-17 22:24:34

Local clock offset: 5.924 ms

Remote clock offset: 5.991 ms

Below is generated by plot.py at 2020-02-18 00:11:17

Datalink statistics

-- Total of 1 flow:

Average throughput: 94.28 Mbit/s

95th percentile per-packet one-way delay: 41.390 ms

Loss rate: 0.06%

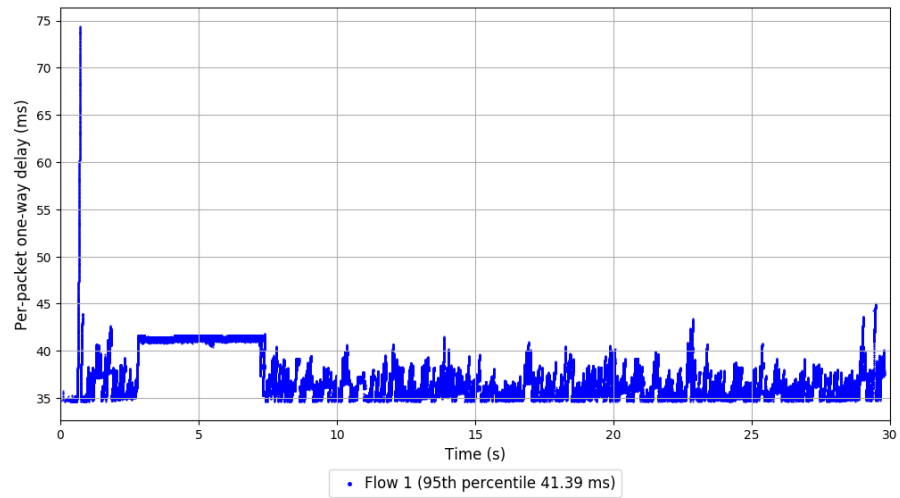
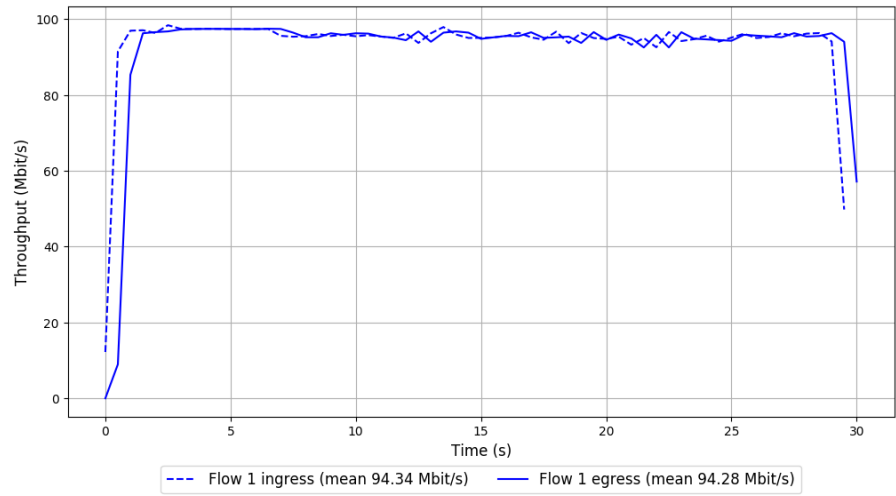
-- Flow 1:

Average throughput: 94.28 Mbit/s

95th percentile per-packet one-way delay: 41.390 ms

Loss rate: 0.06%

Run 2: Report of Muses_DecisionTreeR0 — Data Link



Run 3: Statistics of Muses_DecisionTreeR0

Start at: 2020-02-17 22:53:07

End at: 2020-02-17 22:53:37

Local clock offset: 5.816 ms

Remote clock offset: 5.828 ms

Below is generated by plot.py at 2020-02-18 00:11:19

Datalink statistics

-- Total of 1 flow:

Average throughput: 94.91 Mbit/s

95th percentile per-packet one-way delay: 41.447 ms

Loss rate: 0.06%

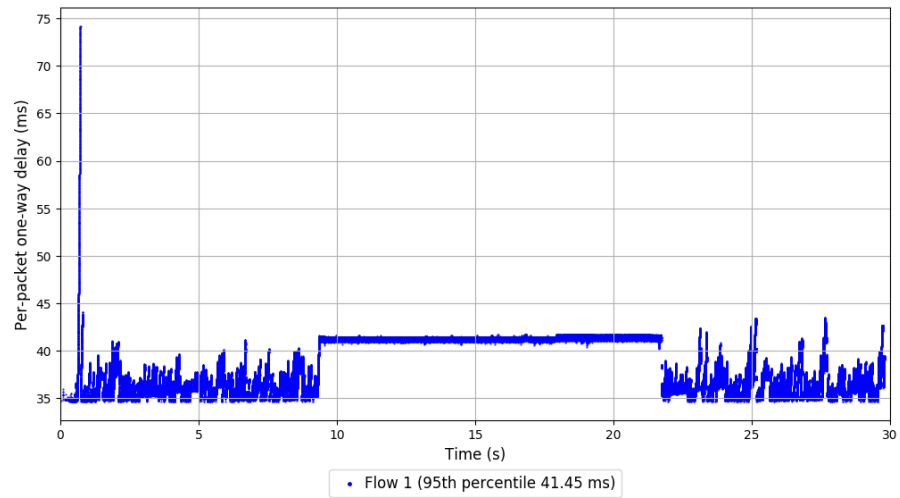
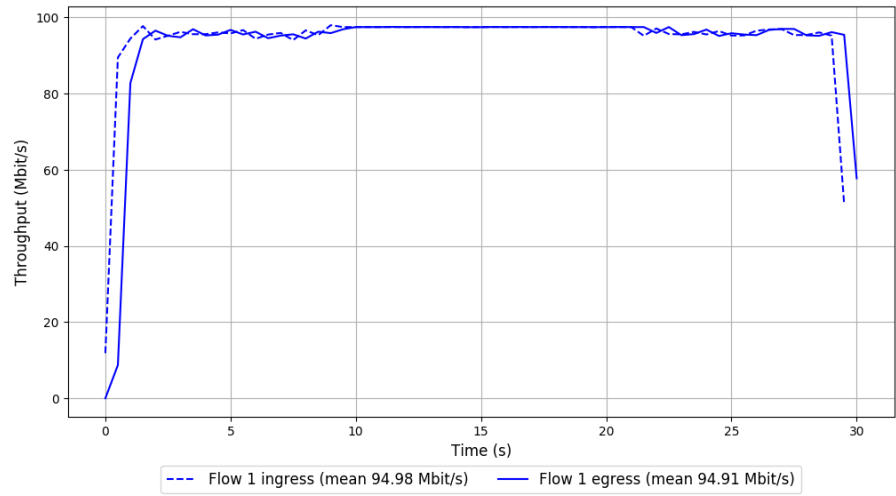
-- Flow 1:

Average throughput: 94.91 Mbit/s

95th percentile per-packet one-way delay: 41.447 ms

Loss rate: 0.06%

Run 3: Report of Muses_DecisionTreeR0 — Data Link



Run 4: Statistics of Muses_DecisionTreeR0

Start at: 2020-02-17 23:23:09

End at: 2020-02-17 23:23:39

Local clock offset: 3.728 ms

Remote clock offset: 5.702 ms

Below is generated by plot.py at 2020-02-18 00:11:19

Datalink statistics

-- Total of 1 flow:

Average throughput: 94.72 Mbit/s

95th percentile per-packet one-way delay: 42.375 ms

Loss rate: 0.05%

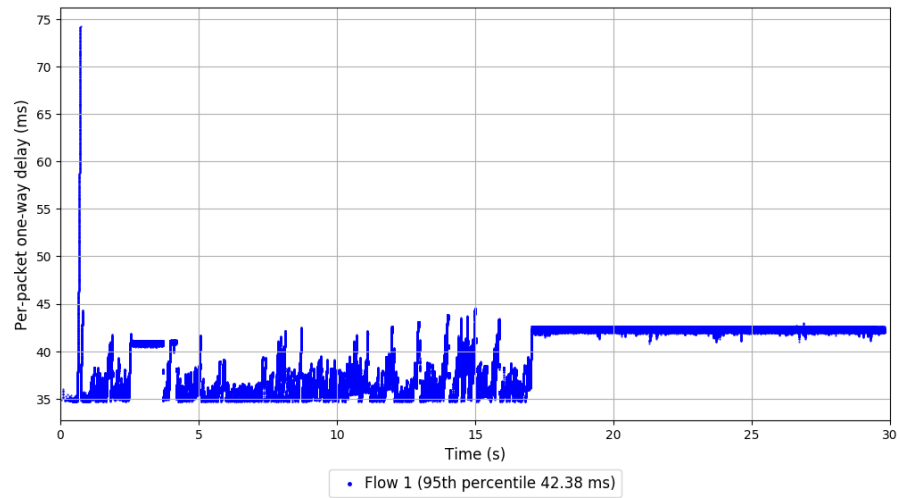
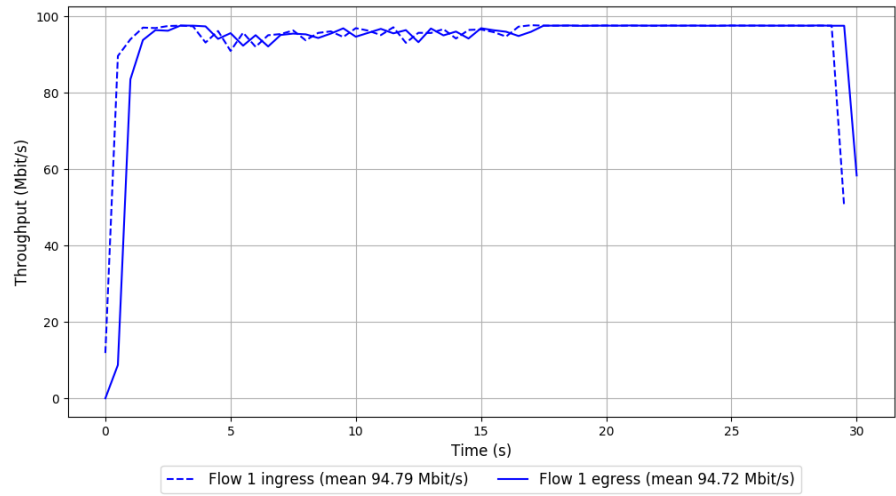
-- Flow 1:

Average throughput: 94.72 Mbit/s

95th percentile per-packet one-way delay: 42.375 ms

Loss rate: 0.05%

Run 4: Report of Muses_DecisionTreeR0 — Data Link



Run 5: Statistics of Muses_DecisionTreeR0

Start at: 2020-02-17 23:53:21

End at: 2020-02-17 23:53:51

Local clock offset: 4.704 ms

Remote clock offset: 5.466 ms

Below is generated by plot.py at 2020-02-18 00:11:55

Datalink statistics

-- Total of 1 flow:

Average throughput: 94.05 Mbit/s

95th percentile per-packet one-way delay: 41.397 ms

Loss rate: 0.05%

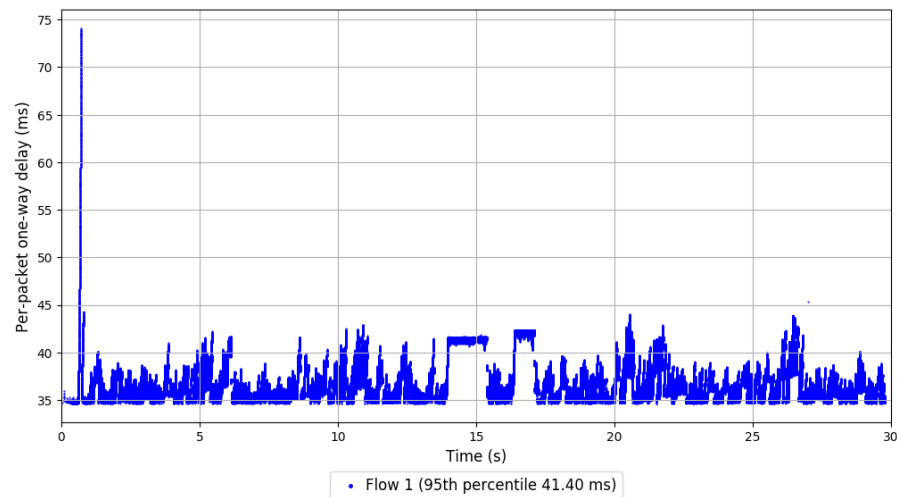
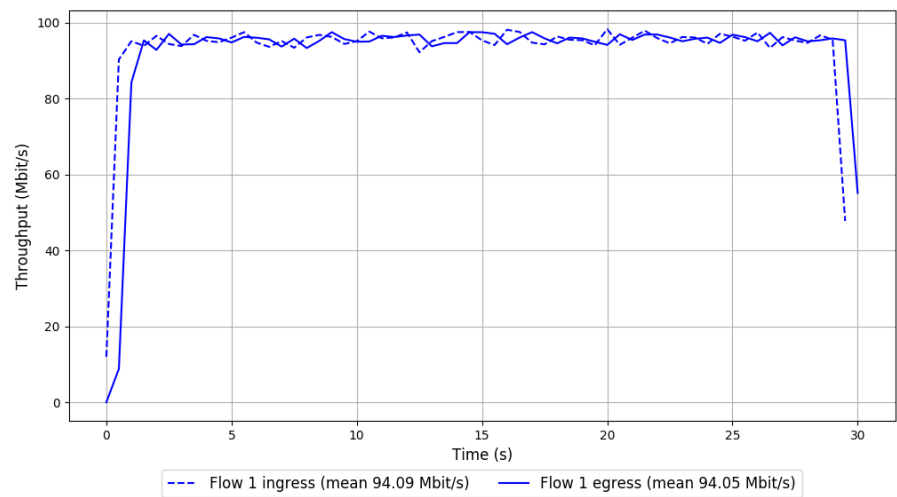
-- Flow 1:

Average throughput: 94.05 Mbit/s

95th percentile per-packet one-way delay: 41.397 ms

Loss rate: 0.05%

Run 5: Report of Muses_DecisionTreeR0 — Data Link

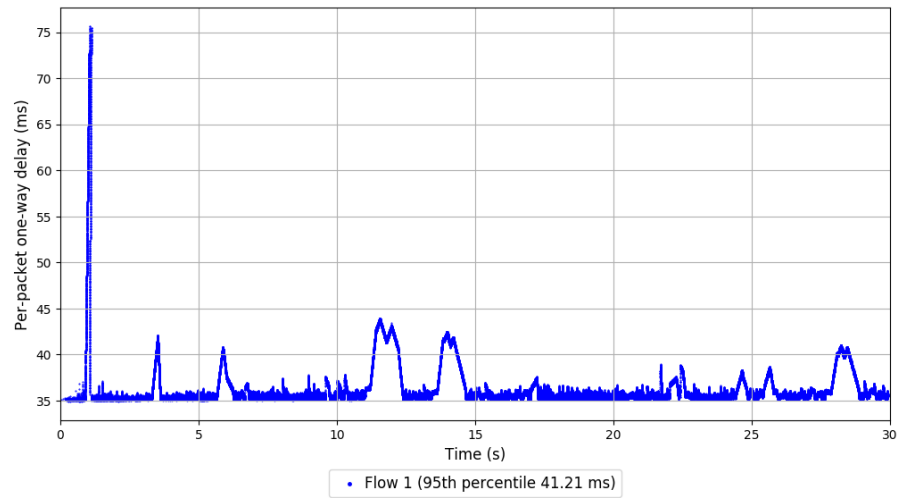
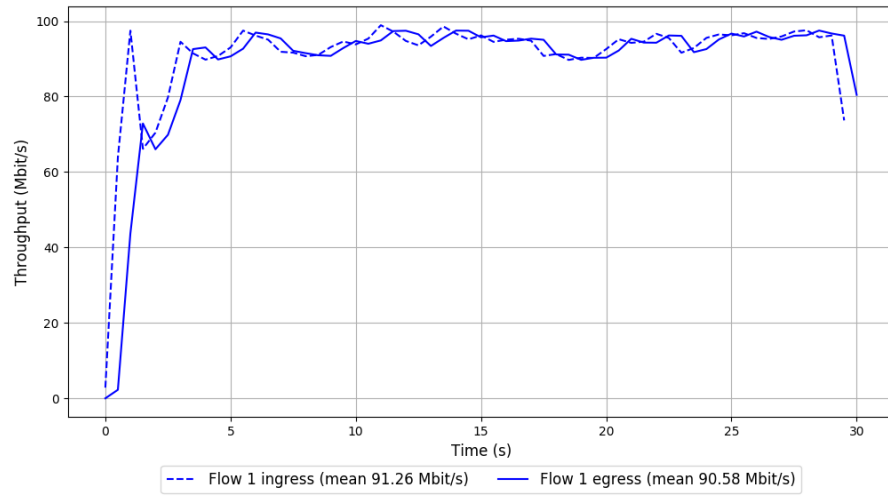


```
Run 1: Statistics of PCC-Allegro

Start at: 2020-02-17 21:33:12
End at: 2020-02-17 21:33:42
Local clock offset: 4.485 ms
Remote clock offset: 5.771 ms

# Below is generated by plot.py at 2020-02-18 00:12:14
# Datalink statistics
-- Total of 1 flow:
Average throughput: 90.58 Mbit/s
95th percentile per-packet one-way delay: 41.209 ms
Loss rate: 0.75%
-- Flow 1:
Average throughput: 90.58 Mbit/s
95th percentile per-packet one-way delay: 41.209 ms
Loss rate: 0.75%
```

Run 1: Report of PCC-Allegro — Data Link



Run 2: Statistics of PCC-Allegro

Start at: 2020-02-17 22:04:21

End at: 2020-02-17 22:04:51

Local clock offset: 5.194 ms

Remote clock offset: 6.026 ms

Below is generated by plot.py at 2020-02-18 00:12:24

Datalink statistics

-- Total of 1 flow:

Average throughput: 89.49 Mbit/s

95th percentile per-packet one-way delay: 38.818 ms

Loss rate: 0.74%

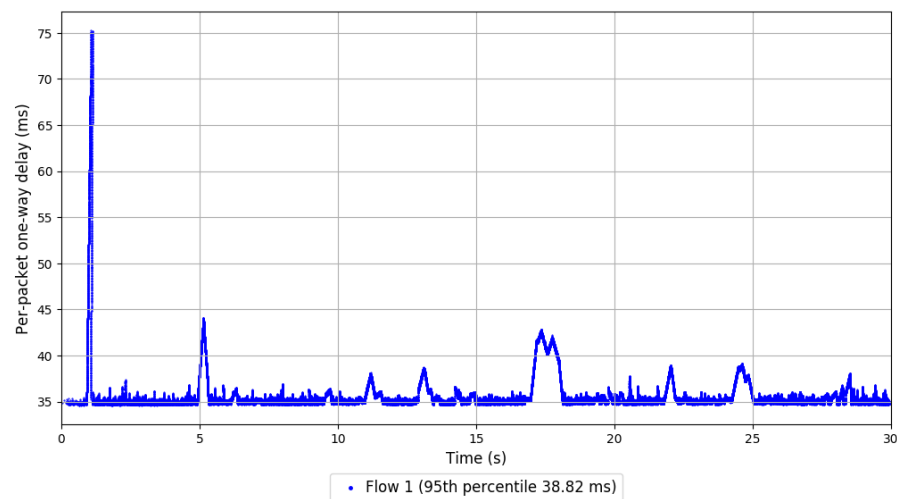
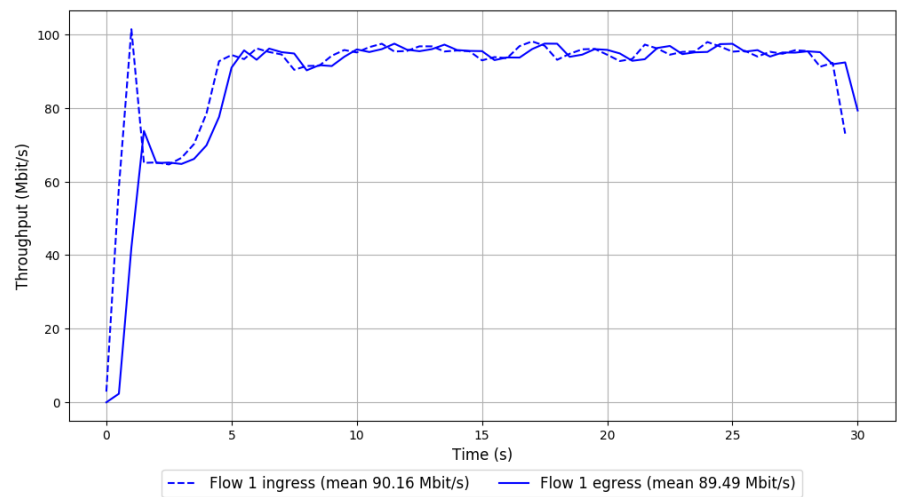
-- Flow 1:

Average throughput: 89.49 Mbit/s

95th percentile per-packet one-way delay: 38.818 ms

Loss rate: 0.74%

Run 2: Report of PCC-Allegro — Data Link



Run 3: Statistics of PCC-Allegro

Start at: 2020-02-17 22:34:48

End at: 2020-02-17 22:35:18

Local clock offset: 5.732 ms

Remote clock offset: 5.871 ms

Below is generated by plot.py at 2020-02-18 00:12:29

Datalink statistics

-- Total of 1 flow:

Average throughput: 89.62 Mbit/s

95th percentile per-packet one-way delay: 38.305 ms

Loss rate: 0.74%

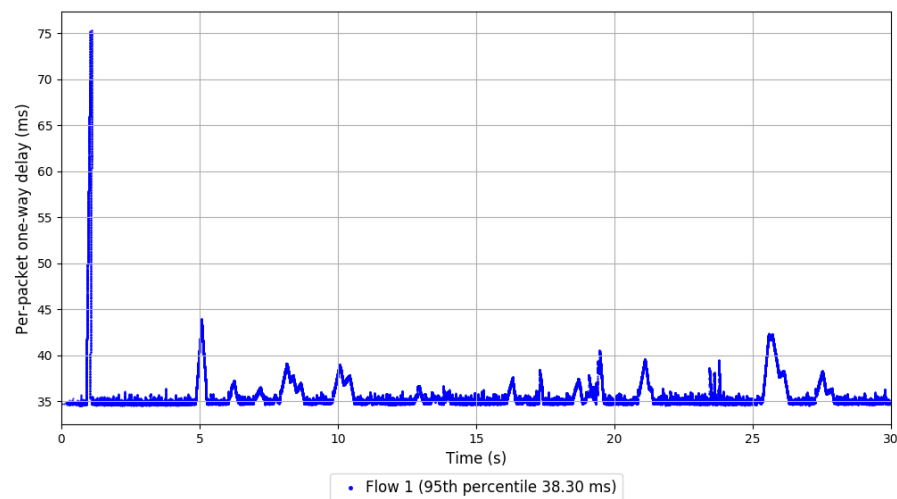
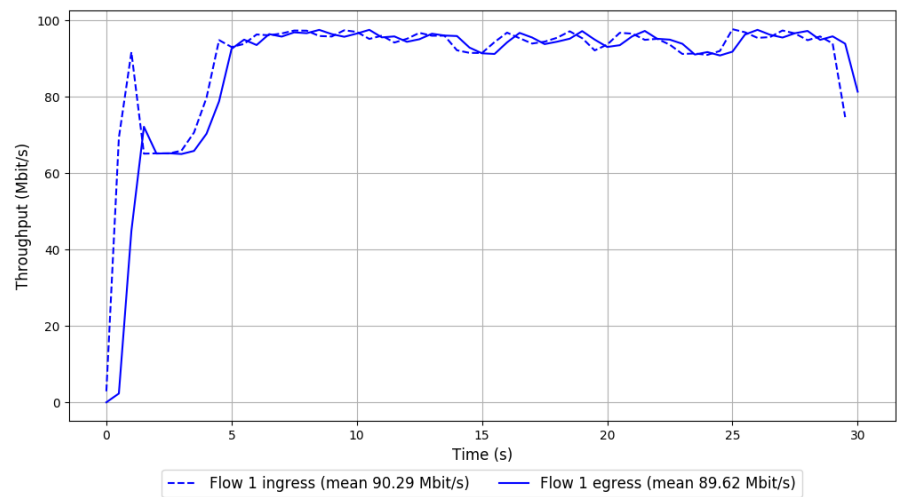
-- Flow 1:

Average throughput: 89.62 Mbit/s

95th percentile per-packet one-way delay: 38.305 ms

Loss rate: 0.74%

Run 3: Report of PCC-Allegro — Data Link



Run 4: Statistics of PCC-Allegro

Start at: 2020-02-17 23:04:22

End at: 2020-02-17 23:04:52

Local clock offset: 4.739 ms

Remote clock offset: 5.728 ms

Below is generated by plot.py at 2020-02-18 00:12:29

Datalink statistics

-- Total of 1 flow:

Average throughput: 85.47 Mbit/s

95th percentile per-packet one-way delay: 36.856 ms

Loss rate: 0.77%

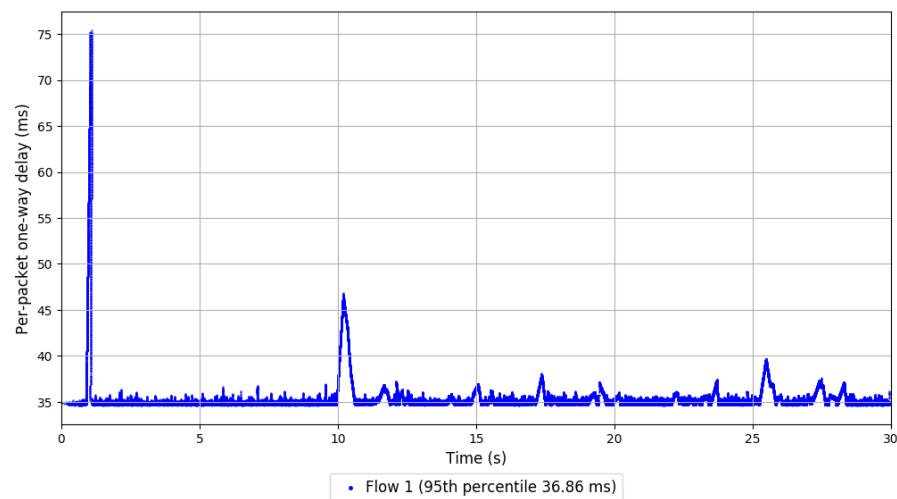
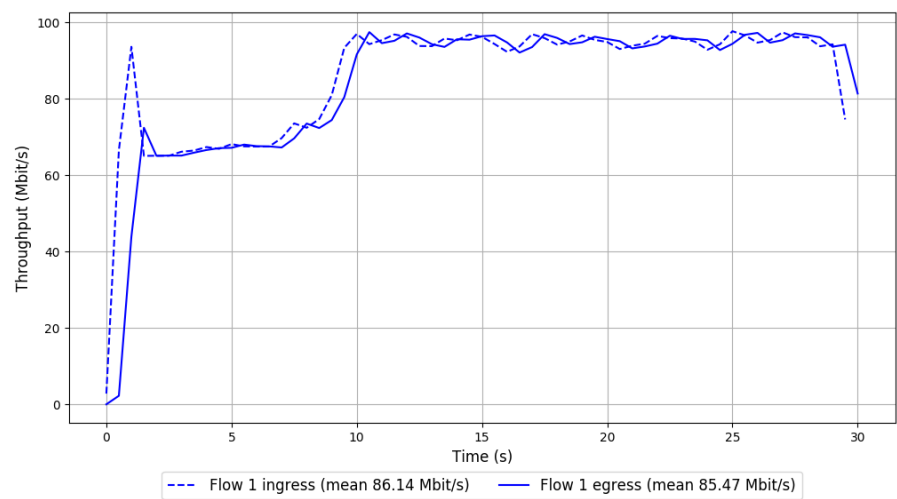
-- Flow 1:

Average throughput: 85.47 Mbit/s

95th percentile per-packet one-way delay: 36.856 ms

Loss rate: 0.77%

Run 4: Report of PCC-Allegro — Data Link



Run 5: Statistics of PCC-Allegro

Start at: 2020-02-17 23:34:25

End at: 2020-02-17 23:34:55

Local clock offset: 4.183 ms

Remote clock offset: 5.596 ms

Below is generated by plot.py at 2020-02-18 00:12:30

Datalink statistics

-- Total of 1 flow:

Average throughput: 90.14 Mbit/s

95th percentile per-packet one-way delay: 41.749 ms

Loss rate: 0.71%

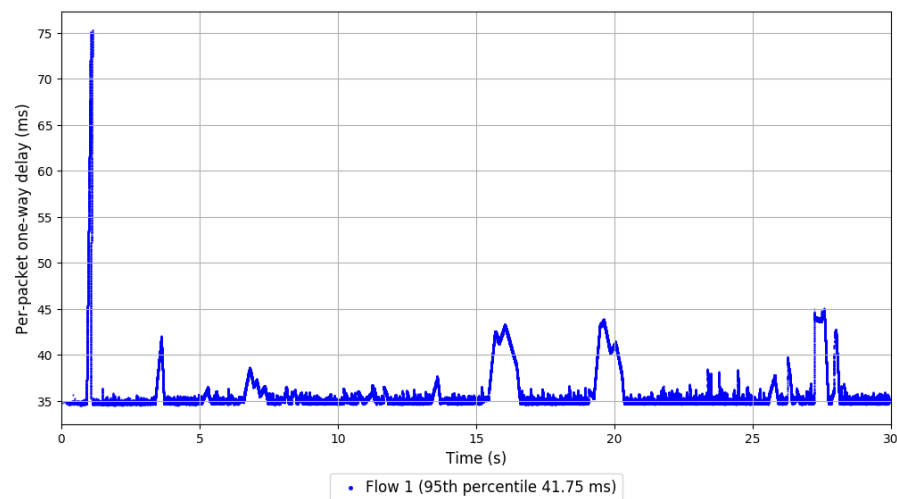
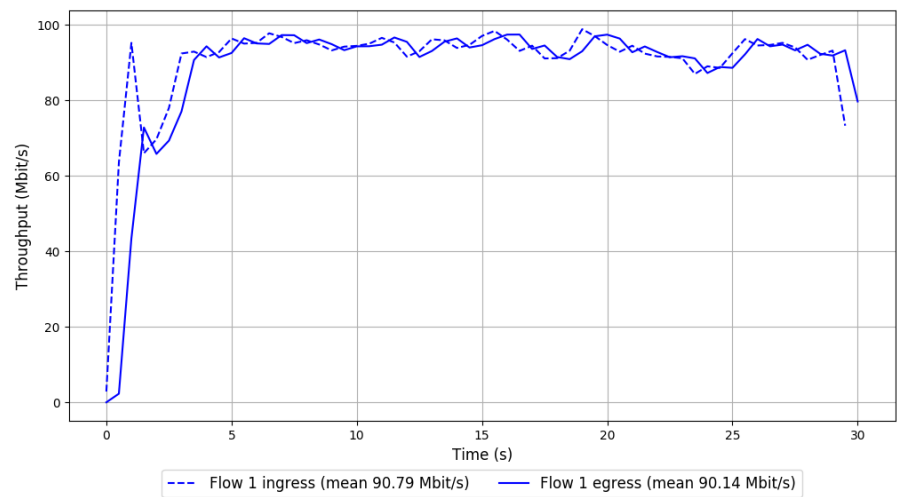
-- Flow 1:

Average throughput: 90.14 Mbit/s

95th percentile per-packet one-way delay: 41.749 ms

Loss rate: 0.71%

Run 5: Report of PCC-Allegro — Data Link



Run 1: Statistics of PCC-Expr

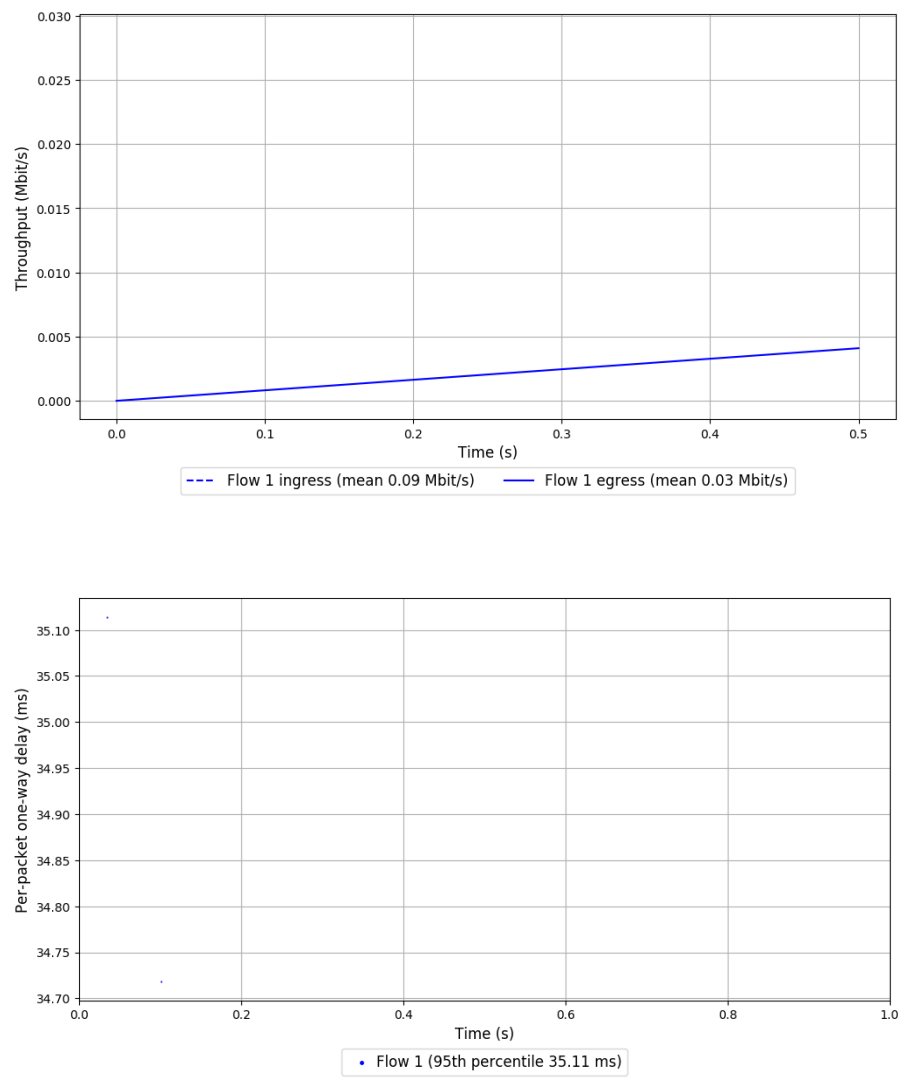
Start at: 2020-02-17 21:57:42

End at: 2020-02-17 21:58:12

Local clock offset: 5.131 ms

Remote clock offset: 5.96 ms

Run 1: Report of PCC-Expr — Data Link



Run 2: Statistics of PCC-Expr

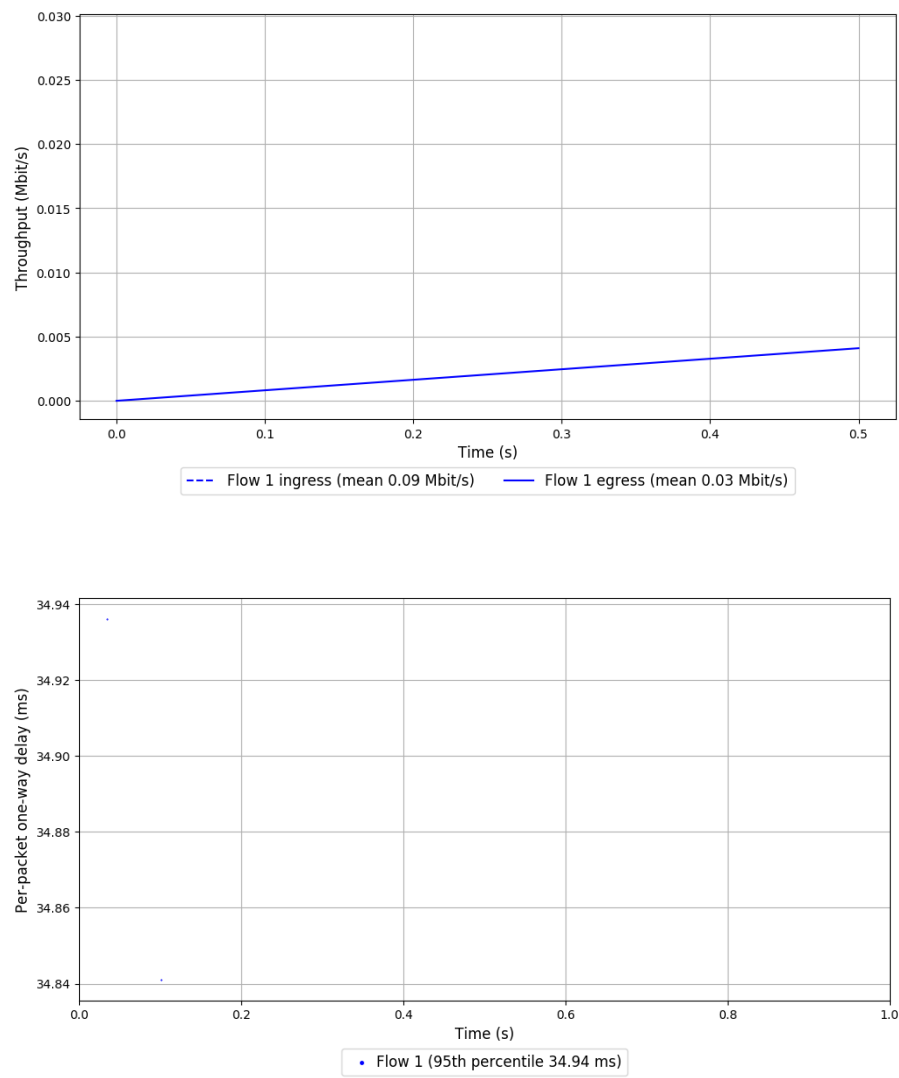
Start at: 2020-02-17 22:28:51

End at: 2020-02-17 22:29:21

Local clock offset: 6.029 ms

Remote clock offset: 6.052 ms

Run 2: Report of PCC-Expr — Data Link



Run 3: Statistics of PCC-Expr

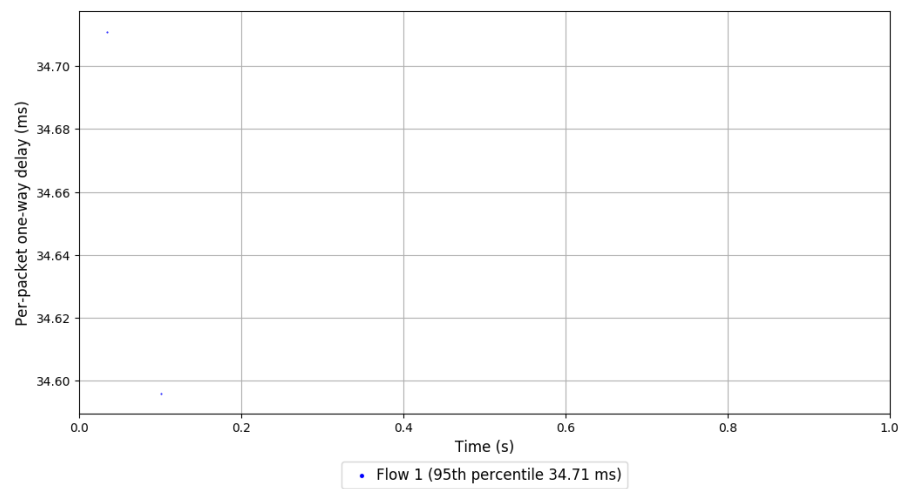
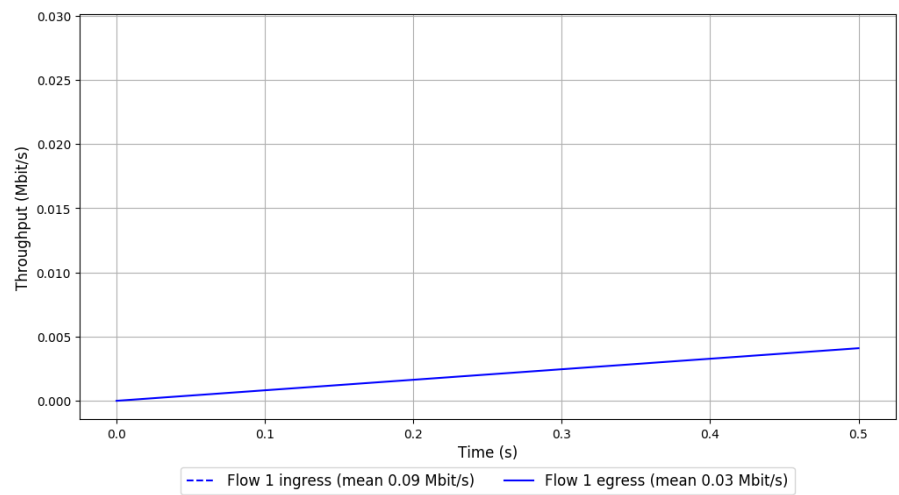
Start at: 2020-02-17 22:58:00

End at: 2020-02-17 22:58:30

Local clock offset: 5.953 ms

Remote clock offset: 5.746 ms

Run 3: Report of PCC-Expr — Data Link



Run 4: Statistics of PCC-Expr

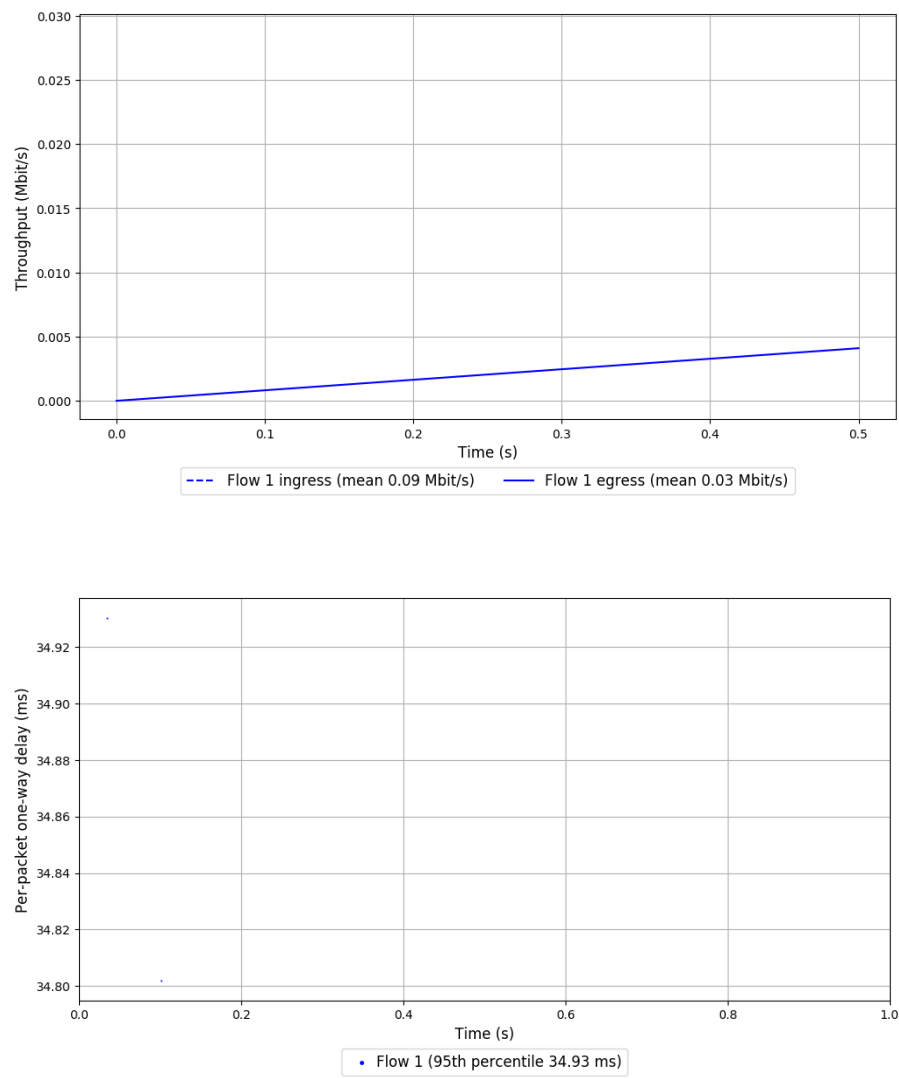
Start at: 2020-02-17 23:28:15

End at: 2020-02-17 23:28:45

Local clock offset: 3.696 ms

Remote clock offset: 5.615 ms

Run 4: Report of PCC-Expr — Data Link



Run 5: Statistics of PCC-Expr

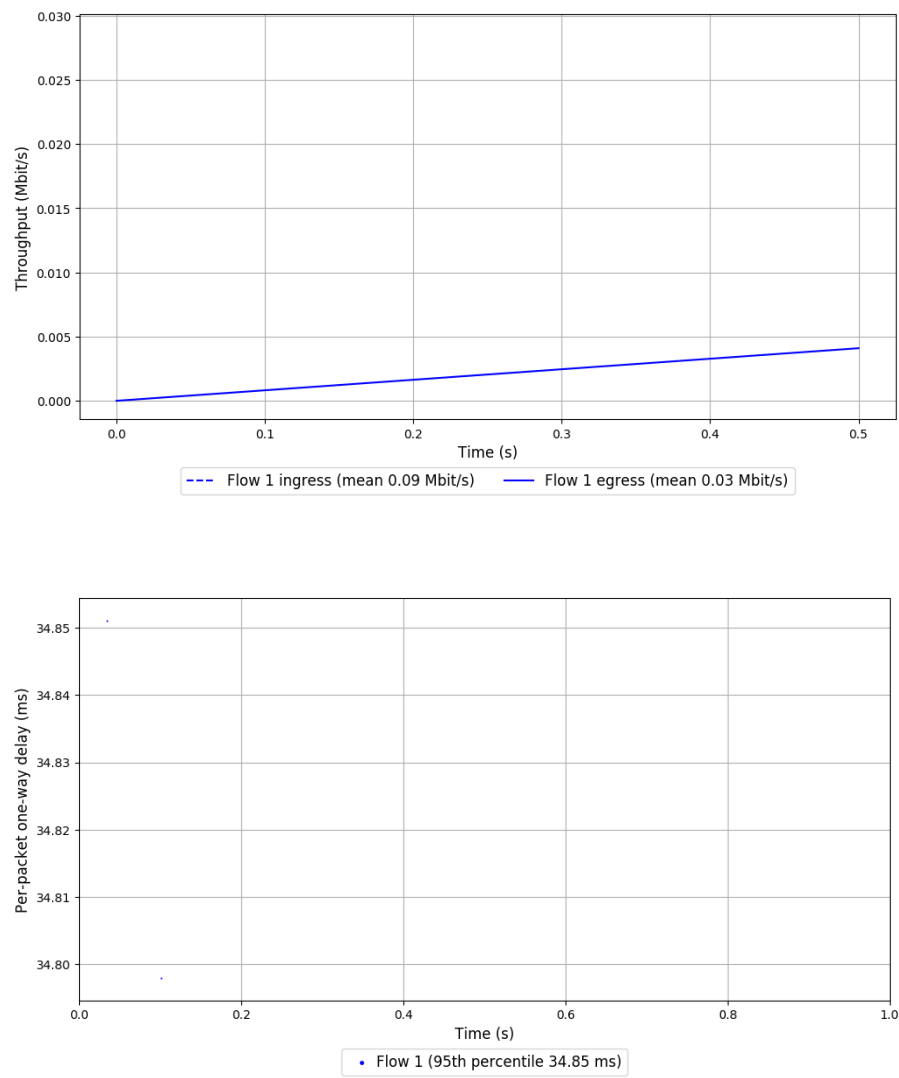
Start at: 2020-02-17 23:58:22

End at: 2020-02-17 23:58:52

Local clock offset: 4.798 ms

Remote clock offset: 5.609 ms

Run 5: Report of PCC-Expr — Data Link



Run 1: Statistics of QUIC Cubic

Start at: 2020-02-17 21:58:48

End at: 2020-02-17 21:59:18

Local clock offset: 5.162 ms

Remote clock offset: 5.885 ms

Below is generated by plot.py at 2020-02-18 00:12:30

Datalink statistics

-- Total of 1 flow:

Average throughput: 77.92 Mbit/s

95th percentile per-packet one-way delay: 72.313 ms

Loss rate: 1.85%

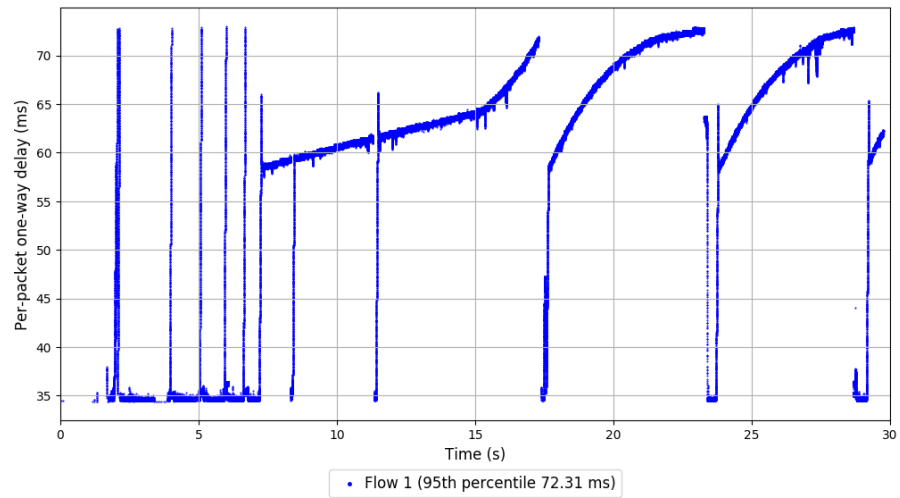
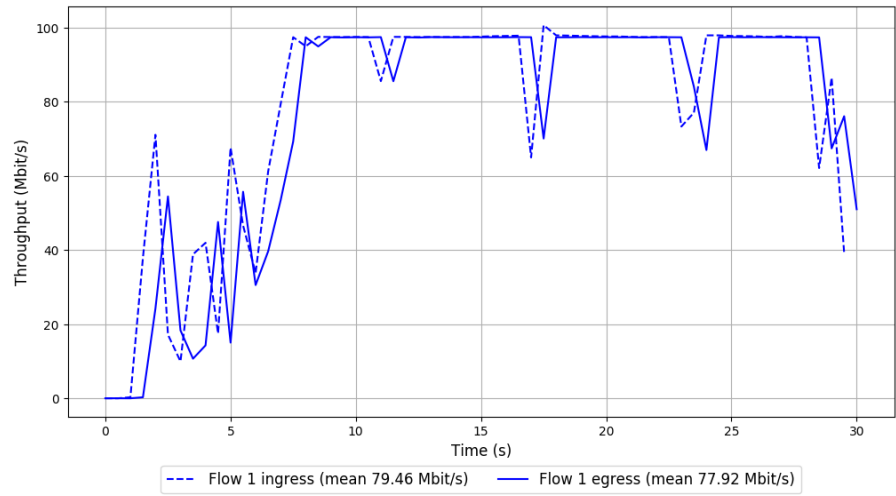
-- Flow 1:

Average throughput: 77.92 Mbit/s

95th percentile per-packet one-way delay: 72.313 ms

Loss rate: 1.85%

Run 1: Report of QUIC Cubic — Data Link



Run 2: Statistics of QUIC Cubic

Start at: 2020-02-17 22:29:57

End at: 2020-02-17 22:30:27

Local clock offset: 5.957 ms

Remote clock offset: 5.984 ms

Below is generated by plot.py at 2020-02-18 00:12:30

Datalink statistics

-- Total of 1 flow:

Average throughput: 80.71 Mbit/s

95th percentile per-packet one-way delay: 70.295 ms

Loss rate: 1.67%

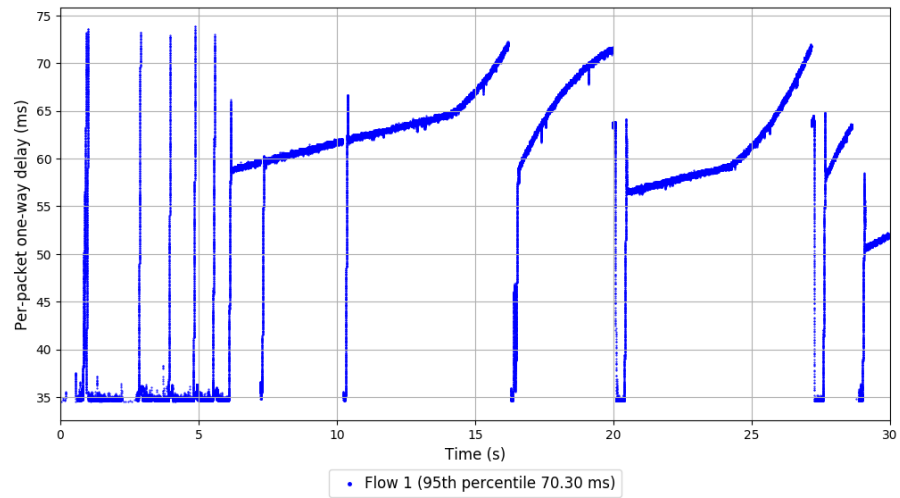
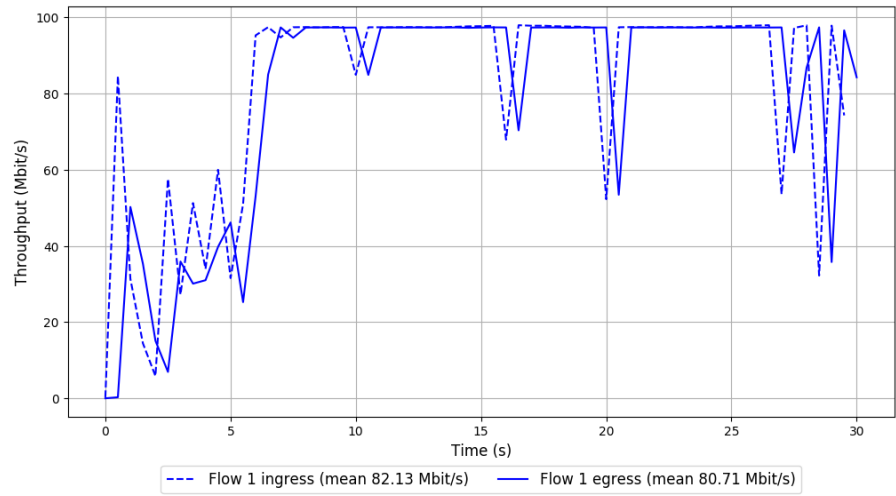
-- Flow 1:

Average throughput: 80.71 Mbit/s

95th percentile per-packet one-way delay: 70.295 ms

Loss rate: 1.67%

Run 2: Report of QUIC Cubic — Data Link



Run 3: Statistics of QUIC Cubic

Start at: 2020-02-17 22:59:06

End at: 2020-02-17 22:59:36

Local clock offset: 5.676 ms

Remote clock offset: 5.742 ms

Below is generated by plot.py at 2020-02-18 00:13:13

Datalink statistics

-- Total of 1 flow:

Average throughput: 80.59 Mbit/s

95th percentile per-packet one-way delay: 68.357 ms

Loss rate: 1.68%

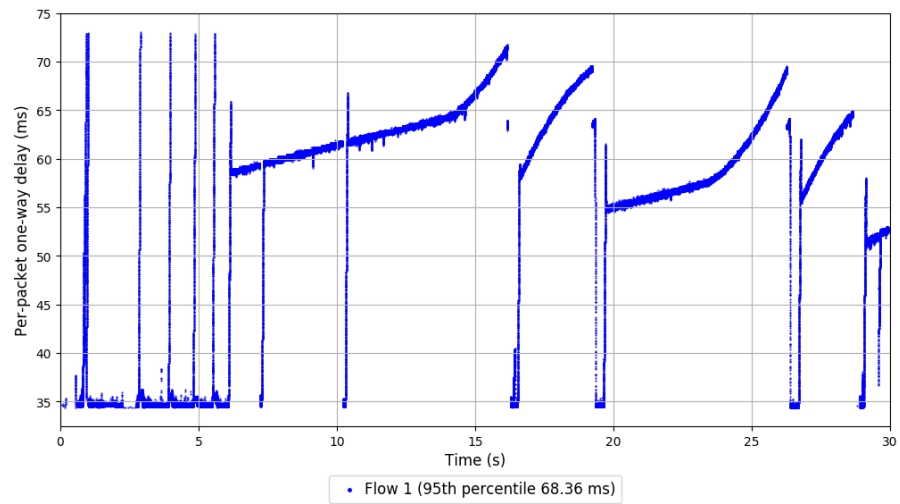
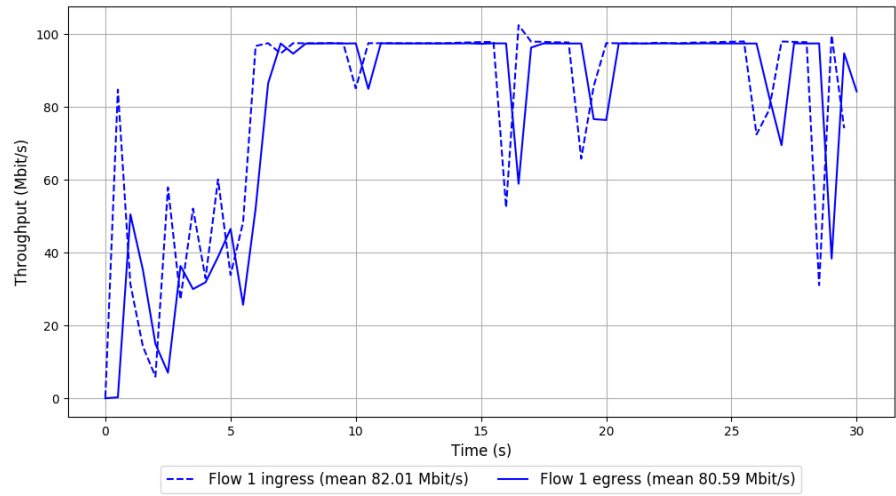
-- Flow 1:

Average throughput: 80.59 Mbit/s

95th percentile per-packet one-way delay: 68.357 ms

Loss rate: 1.68%

Run 3: Report of QUIC Cubic — Data Link



Run 4: Statistics of QUIC Cubic

Start at: 2020-02-17 23:29:21

End at: 2020-02-17 23:29:51

Local clock offset: 3.86 ms

Remote clock offset: 5.623 ms

Below is generated by plot.py at 2020-02-18 00:13:17

Datalink statistics

-- Total of 1 flow:

Average throughput: 80.07 Mbit/s

95th percentile per-packet one-way delay: 70.151 ms

Loss rate: 1.82%

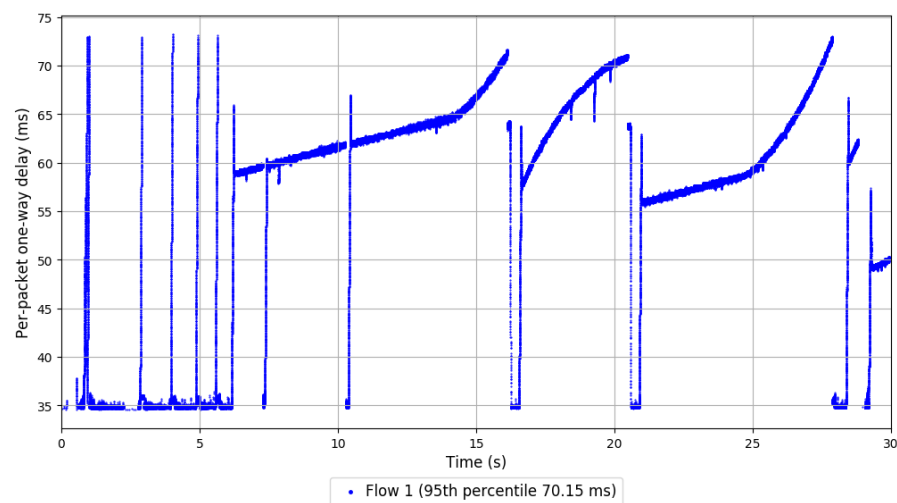
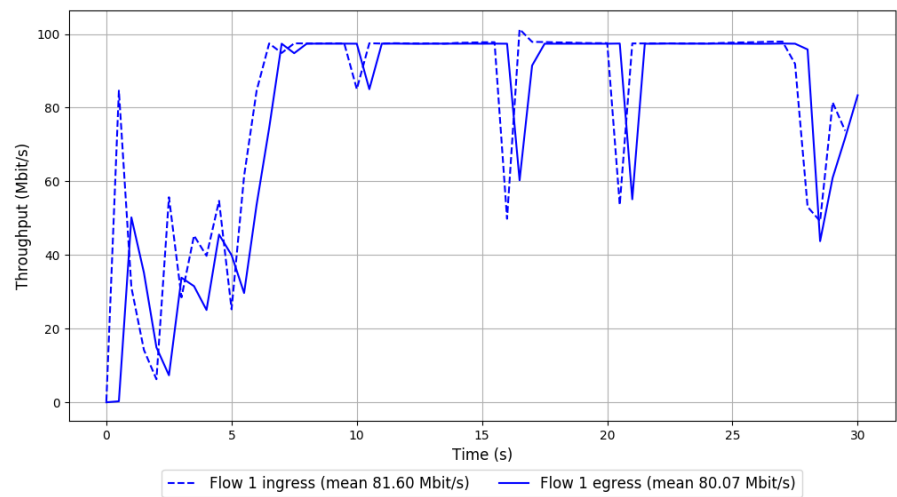
-- Flow 1:

Average throughput: 80.07 Mbit/s

95th percentile per-packet one-way delay: 70.151 ms

Loss rate: 1.82%

Run 4: Report of QUIC Cubic — Data Link



Run 5: Statistics of QUIC Cubic

Start at: 2020-02-17 23:59:28

End at: 2020-02-17 23:59:58

Local clock offset: 4.802 ms

Remote clock offset: 5.538 ms

Below is generated by plot.py at 2020-02-18 00:13:26

Datalink statistics

-- Total of 1 flow:

Average throughput: 80.77 Mbit/s

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

Loss rate: 1.67%

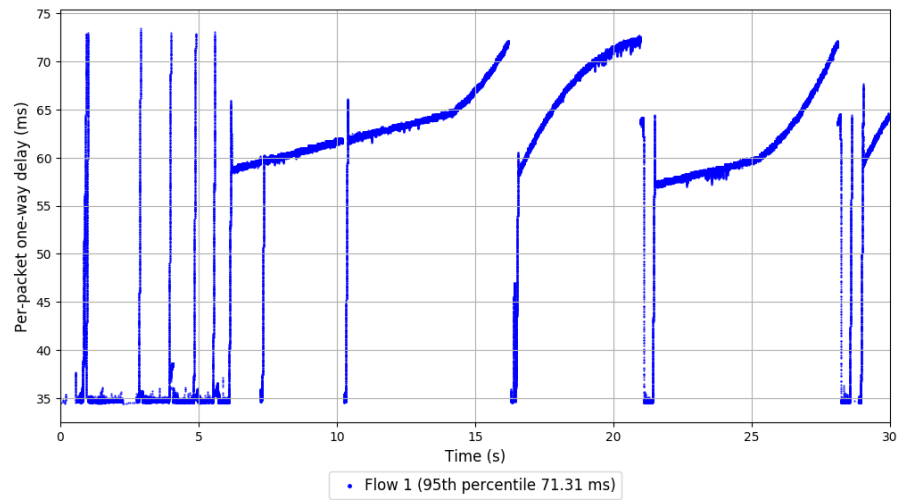
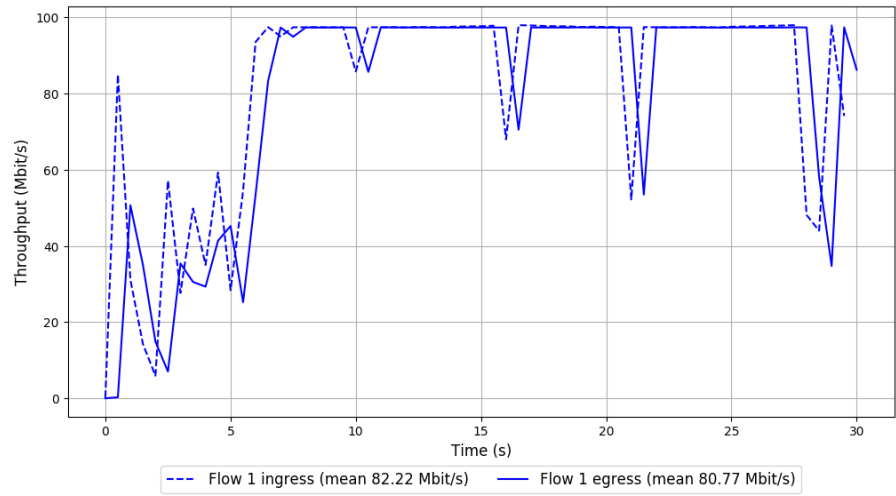
-- Flow 1:

Average throughput: 80.77 Mbit/s

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

Loss rate: 1.67%

Run 5: Report of QUIC Cubic — Data Link

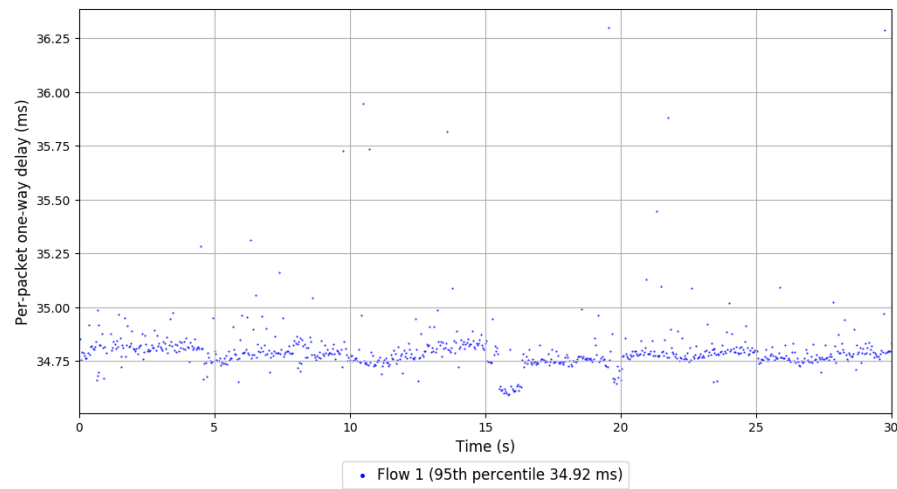
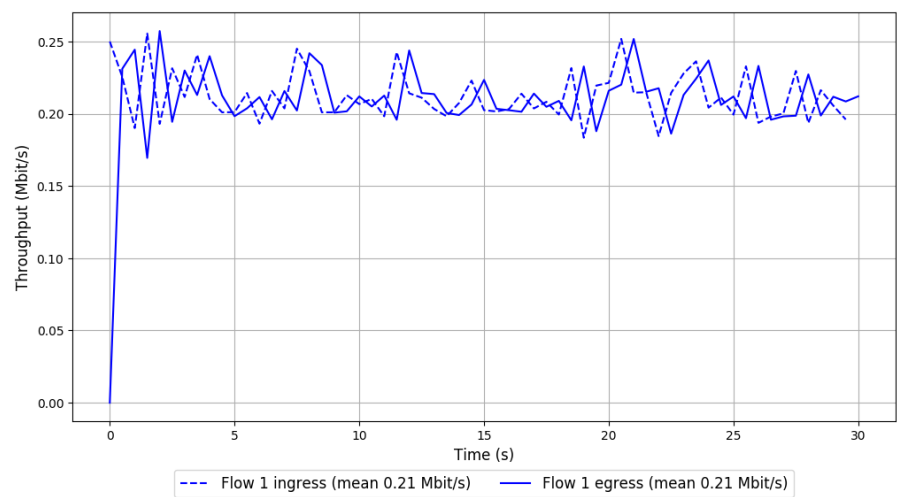


```
Run 1: Statistics of SCReAM

Start at: 2020-02-17 21:55:15
End at: 2020-02-17 21:55:45
Local clock offset: 5.003 ms
Remote clock offset: 5.905 ms

# Below is generated by plot.py at 2020-02-18 00:13:26
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 34.921 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 34.921 ms
Loss rate: 0.00%
```

Run 1: Report of SReAM — Data Link



Run 2: Statistics of SCReAM

Start at: 2020-02-17 22:26:34

End at: 2020-02-17 22:27:04

Local clock offset: 6.052 ms

Remote clock offset: 6.043 ms

Below is generated by plot.py at 2020-02-18 00:13:26

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 35.109 ms

Loss rate: 0.00%

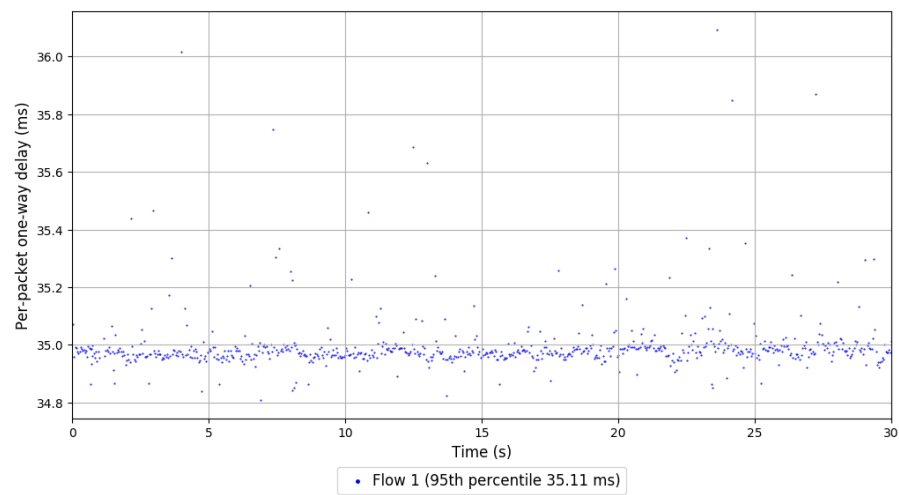
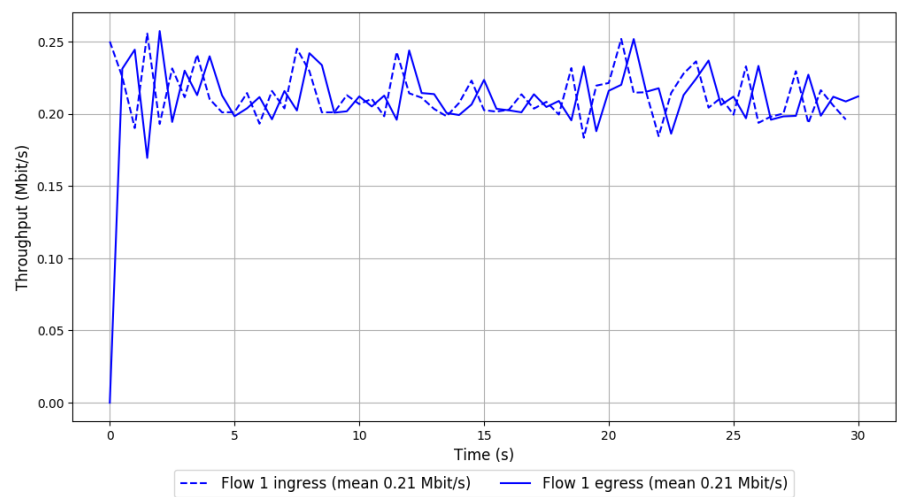
-- Flow 1:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 35.109 ms

Loss rate: 0.00%

Run 2: Report of SReAM — Data Link



Run 3: Statistics of SCReAM

Start at: 2020-02-17 22:55:40

End at: 2020-02-17 22:56:10

Local clock offset: 5.891 ms

Remote clock offset: 5.827 ms

Below is generated by plot.py at 2020-02-18 00:13:26

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 35.050 ms

Loss rate: 0.00%

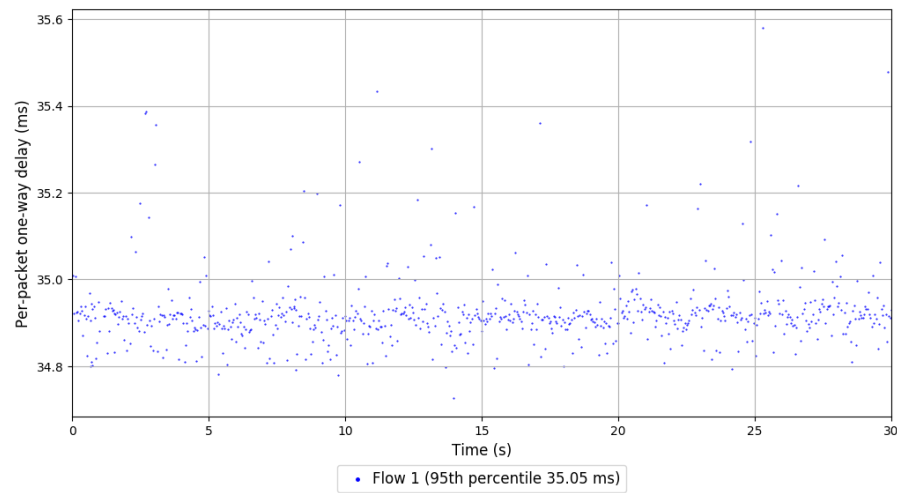
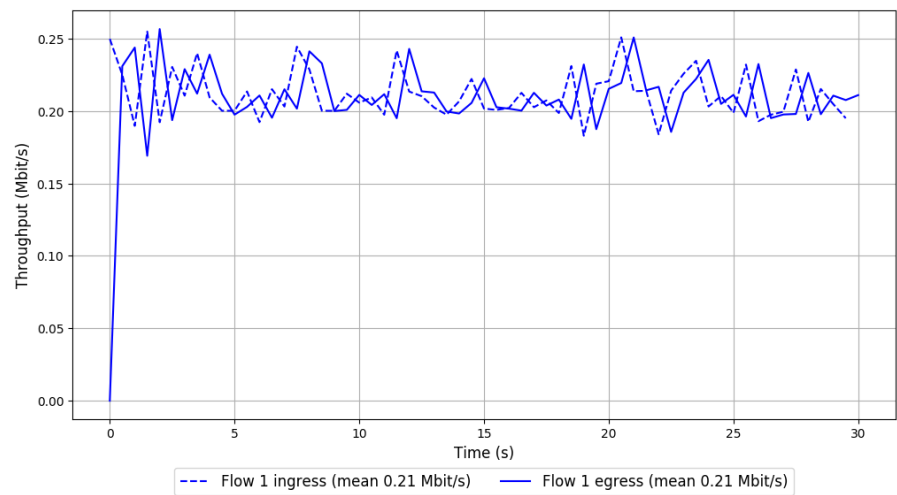
-- Flow 1:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 35.050 ms

Loss rate: 0.00%

Run 3: Report of SReAM — Data Link



Run 4: Statistics of SReAM

Start at: 2020-02-17 23:25:50

End at: 2020-02-17 23:26:20

Local clock offset: 3.703 ms

Remote clock offset: 5.636 ms

Below is generated by plot.py at 2020-02-18 00:13:26

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 35.008 ms

Loss rate: 0.00%

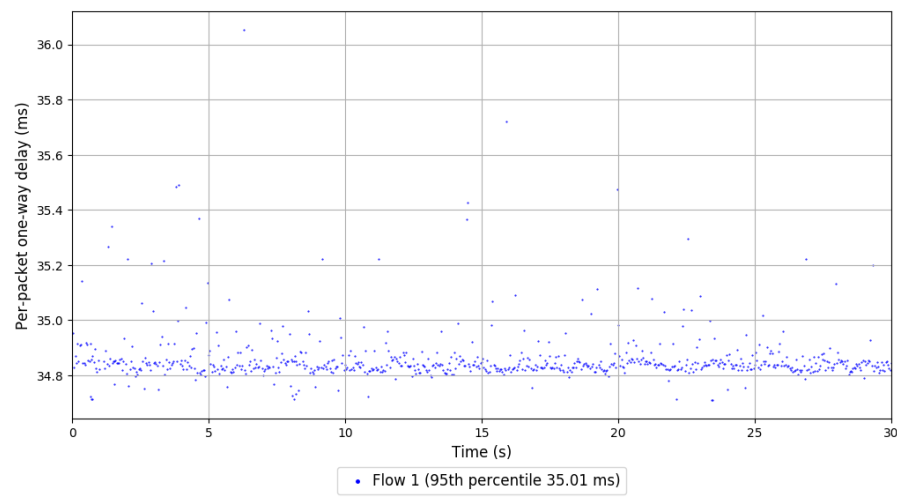
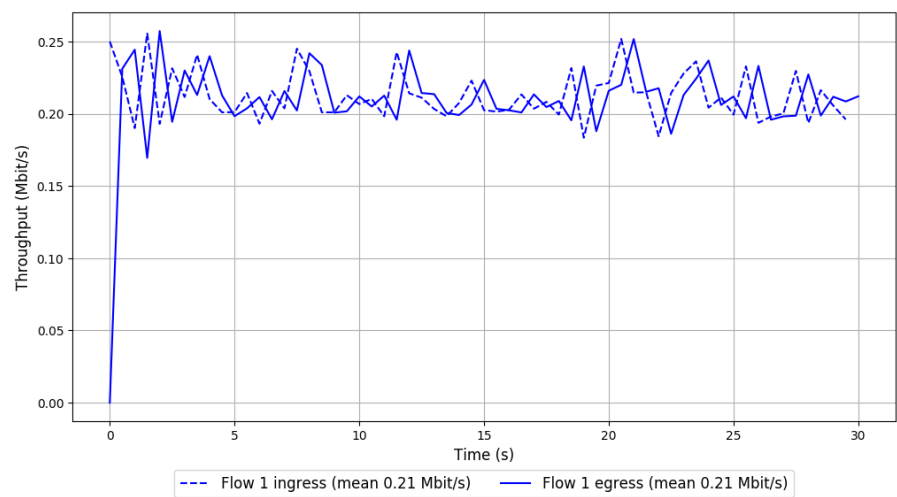
-- Flow 1:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 35.008 ms

Loss rate: 0.00%

Run 4: Report of SReAM — Data Link



Run 5: Statistics of SCReAM

Start at: 2020-02-17 23:56:02

End at: 2020-02-17 23:56:32

Local clock offset: 4.768 ms

Remote clock offset: 5.47 ms

Below is generated by plot.py at 2020-02-18 00:13:26

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.21 Mbit/s

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

Loss rate: 0.00%

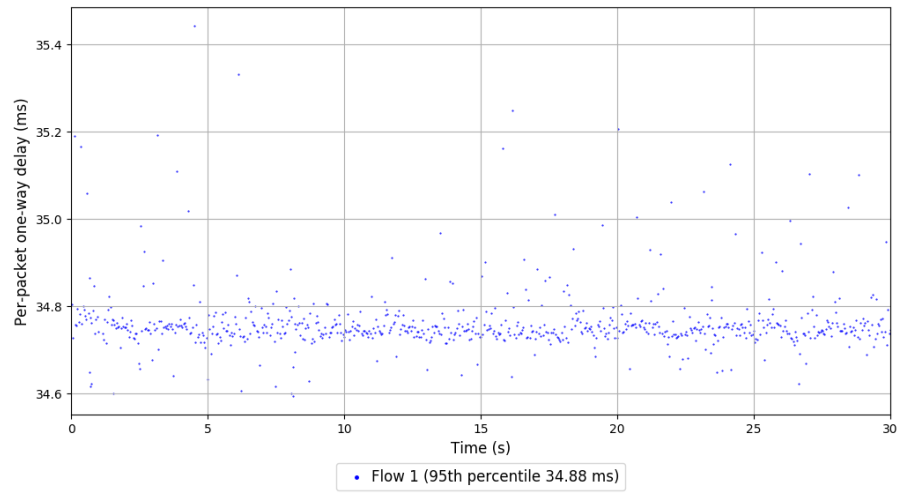
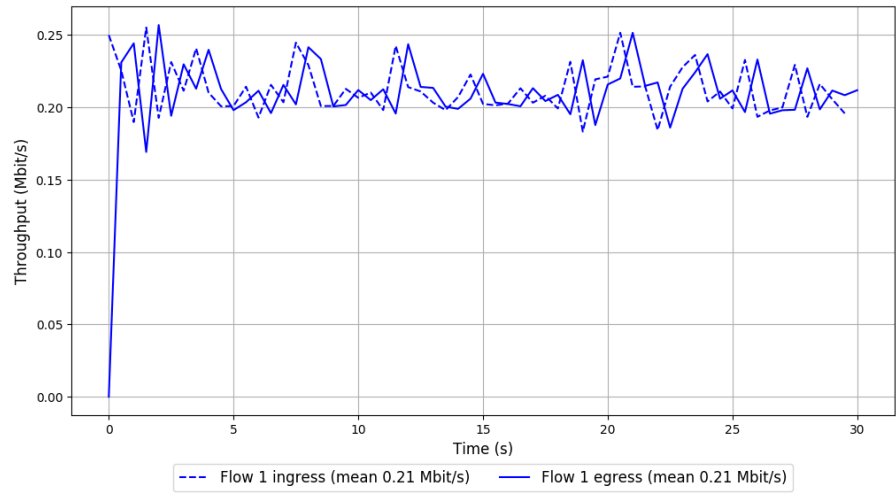
-- Flow 1:

Average throughput: 0.21 Mbit/s

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

Loss rate: 0.00%

Run 5: Report of SReAM — Data Link



Run 1: Statistics of Sprout

Start at: 2020-02-17 21:39:42

End at: 2020-02-17 21:40:12

Local clock offset: 4.575 ms

Remote clock offset: 5.896 ms

Below is generated by plot.py at 2020-02-18 00:13:26

Datalink statistics

-- Total of 1 flow:

Average throughput: 11.82 Mbit/s

95th percentile per-packet one-way delay: 40.580 ms

Loss rate: 0.00%

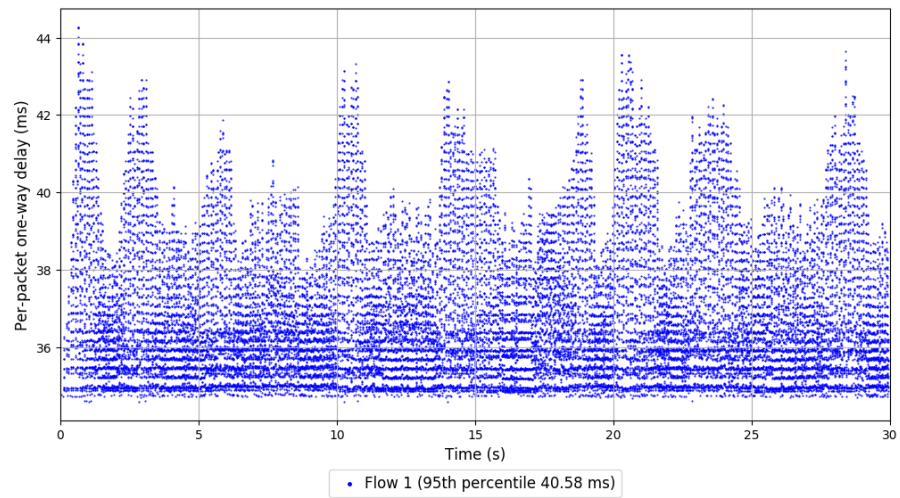
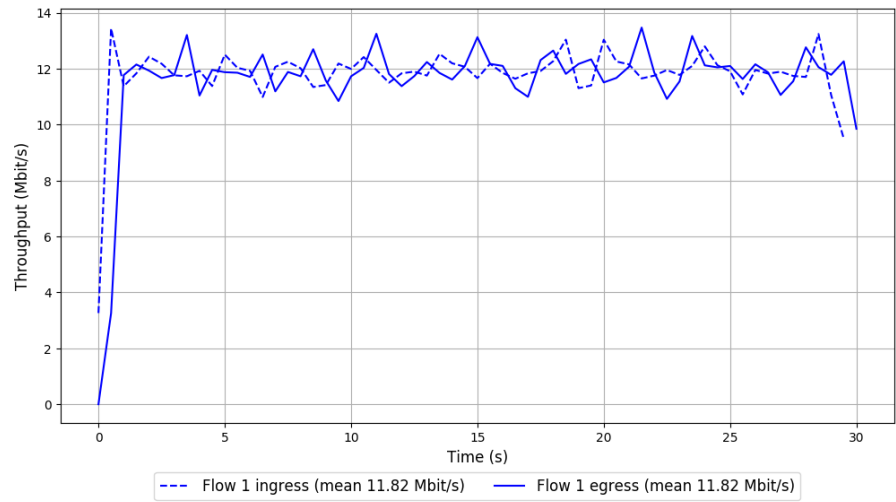
-- Flow 1:

Average throughput: 11.82 Mbit/s

95th percentile per-packet one-way delay: 40.580 ms

Loss rate: 0.00%

Run 1: Report of Sprout — Data Link



Run 2: Statistics of Sprout

Start at: 2020-02-17 22:11:24

End at: 2020-02-17 22:11:54

Local clock offset: 5.412 ms

Remote clock offset: 6.119 ms

Below is generated by plot.py at 2020-02-18 00:13:26

Datalink statistics

-- Total of 1 flow:

Average throughput: 11.78 Mbit/s

95th percentile per-packet one-way delay: 40.440 ms

Loss rate: 0.00%

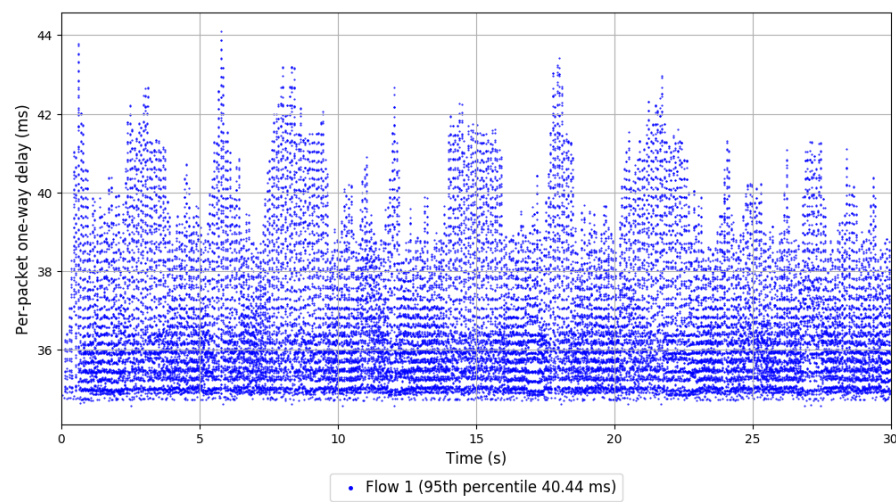
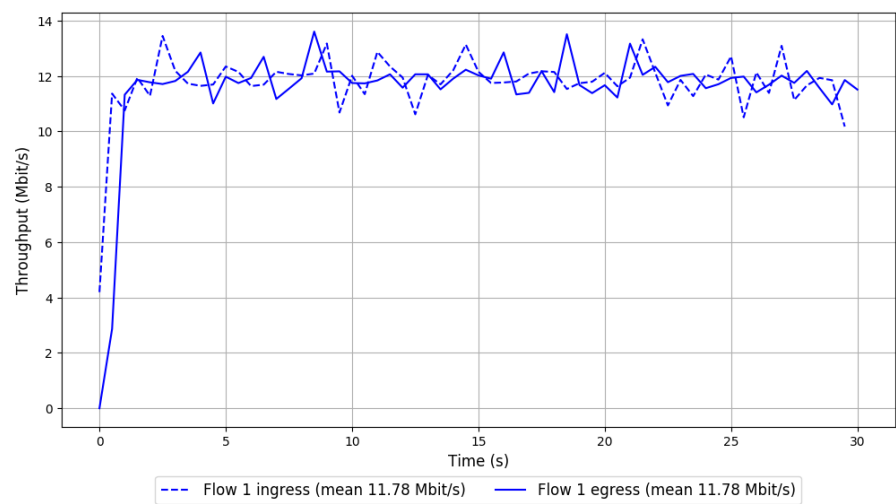
-- Flow 1:

Average throughput: 11.78 Mbit/s

95th percentile per-packet one-way delay: 40.440 ms

Loss rate: 0.00%

Run 2: Report of Sprout — Data Link



Run 3: Statistics of Sprout

Start at: 2020-02-17 22:41:12

End at: 2020-02-17 22:41:43

Local clock offset: 5.65 ms

Remote clock offset: 5.975 ms

Below is generated by plot.py at 2020-02-18 00:13:26

Datalink statistics

-- Total of 1 flow:

Average throughput: 11.68 Mbit/s

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

Loss rate: 0.00%

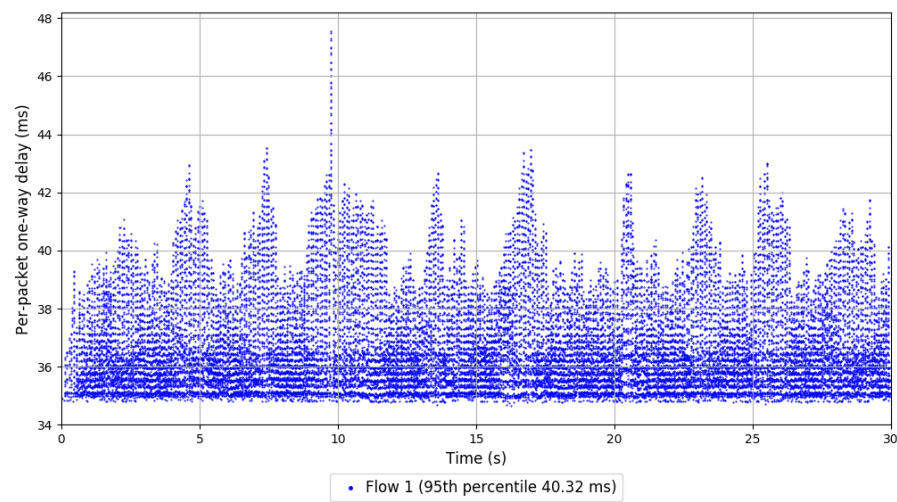
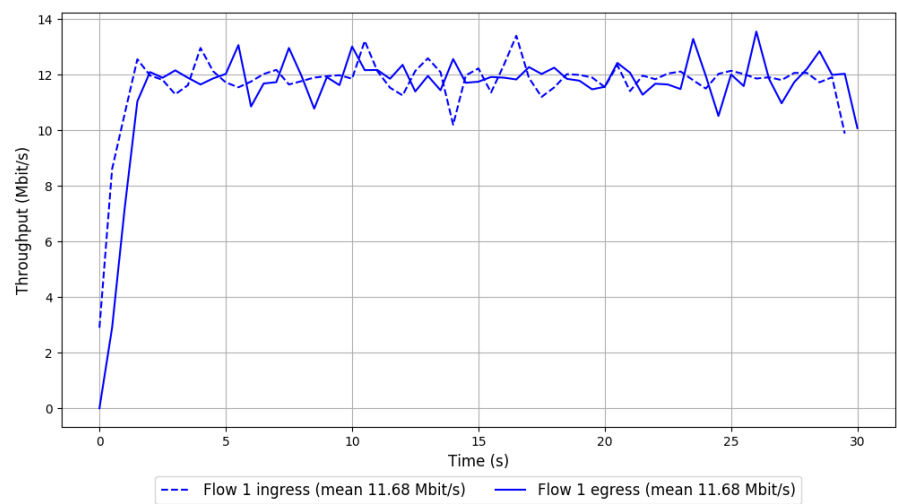
-- Flow 1:

Average throughput: 11.68 Mbit/s

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

Loss rate: 0.00%

Run 3: Report of Sprout — Data Link



Run 4: Statistics of Sprout

Start at: 2020-02-17 23:10:44

End at: 2020-02-17 23:11:14

Local clock offset: 4.134 ms

Remote clock offset: 5.642 ms

Below is generated by plot.py at 2020-02-18 00:13:26

Datalink statistics

-- Total of 1 flow:

Average throughput: 11.74 Mbit/s

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

Loss rate: 0.00%

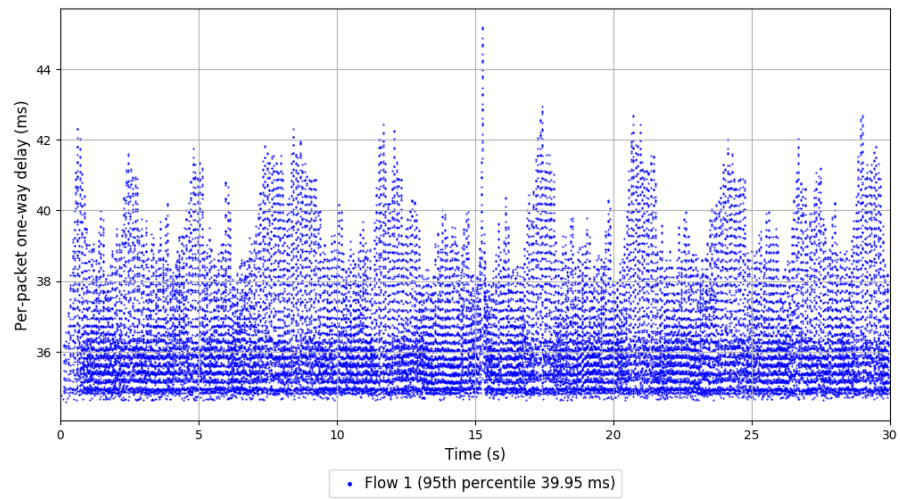
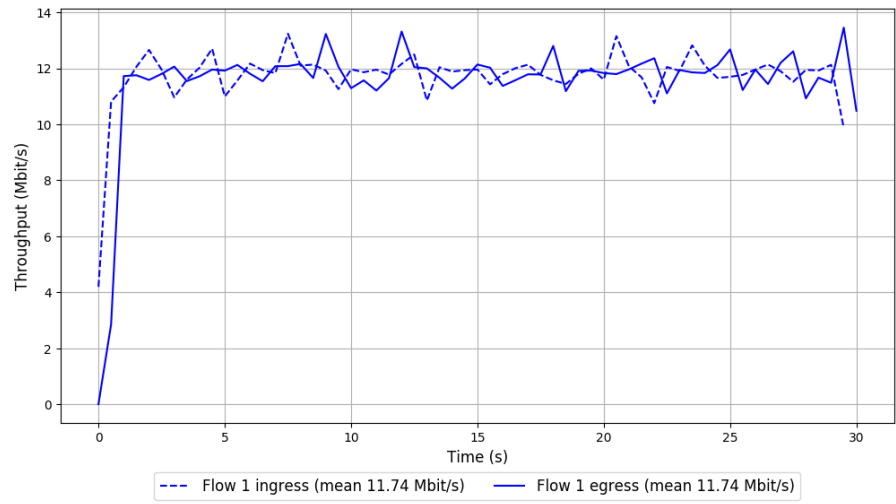
-- Flow 1:

Average throughput: 11.74 Mbit/s

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

Loss rate: 0.00%

Run 4: Report of Sprout — Data Link



Run 5: Statistics of Sprout

Start at: 2020-02-17 23:40:49

End at: 2020-02-17 23:41:19

Local clock offset: 4.449 ms

Remote clock offset: 5.471 ms

Below is generated by plot.py at 2020-02-18 00:13:26

Datalink statistics

-- Total of 1 flow:

Average throughput: 11.76 Mbit/s

95th percentile per-packet one-way delay: 39.869 ms

Loss rate: 0.00%

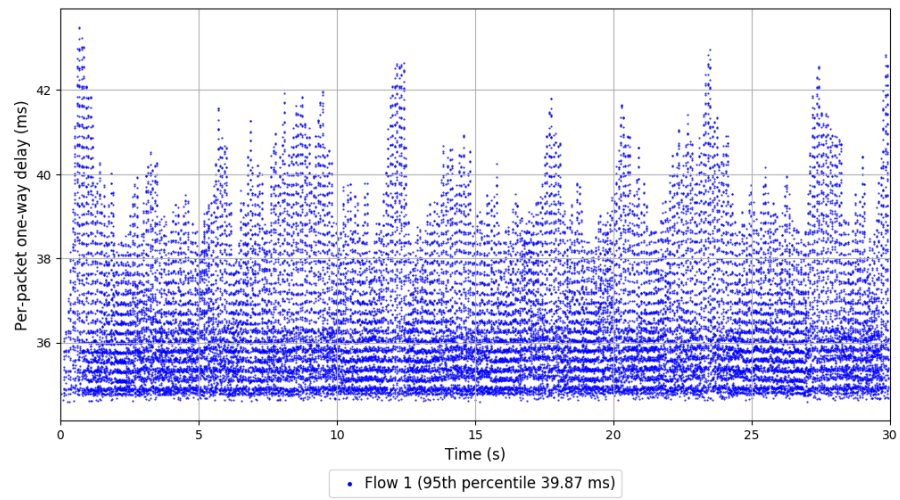
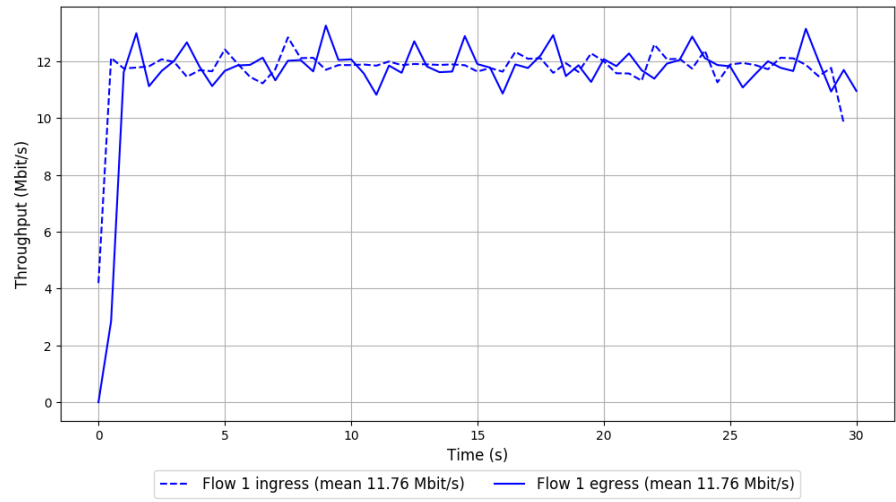
-- Flow 1:

Average throughput: 11.76 Mbit/s

95th percentile per-packet one-way delay: 39.869 ms

Loss rate: 0.00%

Run 5: Report of Sprout — Data Link



Run 1: Statistics of TaoVA-100x

Start at: 2020-02-17 21:47:11

End at: 2020-02-17 21:47:41

Local clock offset: 4.704 ms

Remote clock offset: 5.874 ms

Below is generated by plot.py at 2020-02-18 00:13:26

Datalink statistics

-- Total of 1 flow:

Average throughput: 12.36 Mbit/s

95th percentile per-packet one-way delay: 35.031 ms

Loss rate: 63.67%

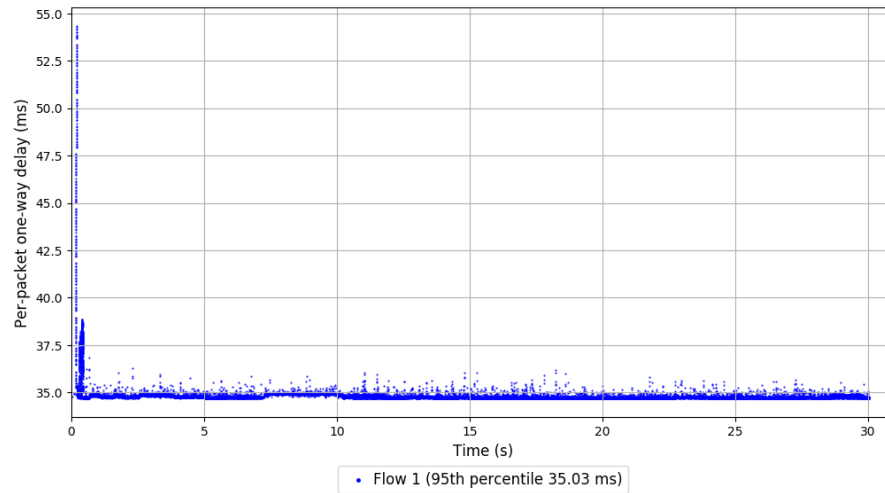
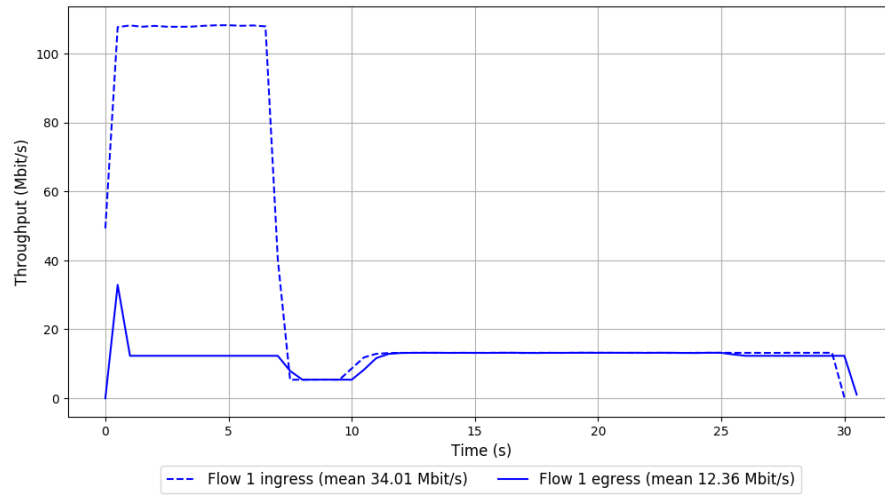
-- Flow 1:

Average throughput: 12.36 Mbit/s

95th percentile per-packet one-way delay: 35.031 ms

Loss rate: 63.67%

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



Run 2: Statistics of TaoVA-100x

Start at: 2020-02-17 22:18:57

End at: 2020-02-17 22:19:27

Local clock offset: 5.692 ms

Remote clock offset: 6.298 ms

Below is generated by plot.py at 2020-02-18 00:13:26

Datalink statistics

-- Total of 1 flow:

Average throughput: 12.07 Mbit/s

95th percentile per-packet one-way delay: 35.300 ms

Loss rate: 78.26%

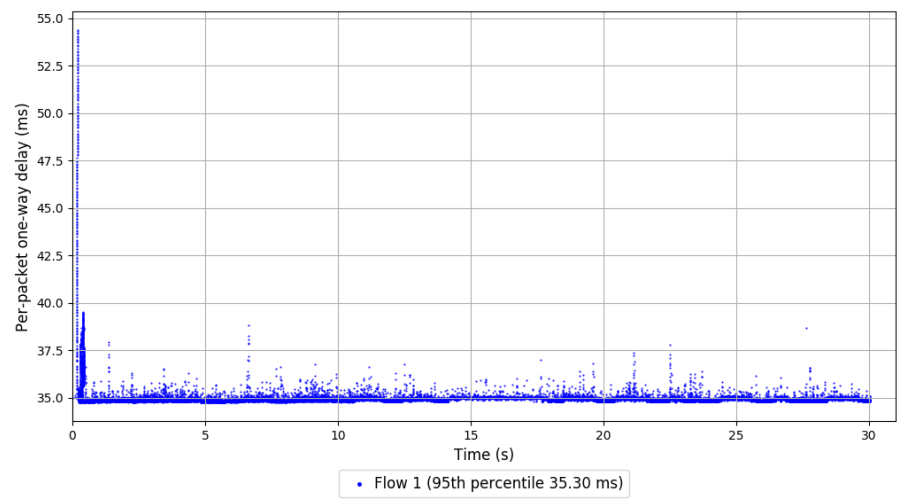
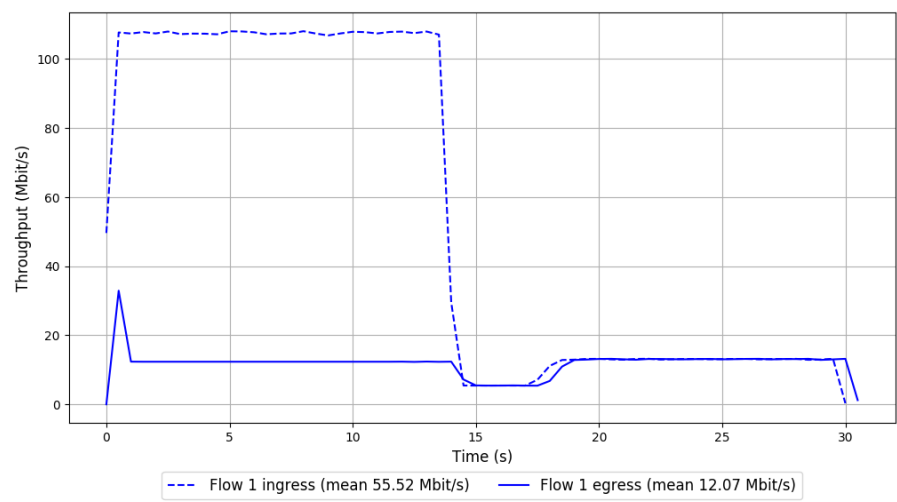
-- Flow 1:

Average throughput: 12.07 Mbit/s

95th percentile per-packet one-way delay: 35.300 ms

Loss rate: 78.26%

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



Run 3: Statistics of TaoVA-100x

Start at: 2020-02-17 22:48:12

End at: 2020-02-17 22:48:42

Local clock offset: 5.739 ms

Remote clock offset: 5.812 ms

Below is generated by plot.py at 2020-02-18 00:13:26

Datalink statistics

-- Total of 1 flow:

Average throughput: 12.68 Mbit/s

95th percentile per-packet one-way delay: 35.104 ms

Loss rate: 63.33%

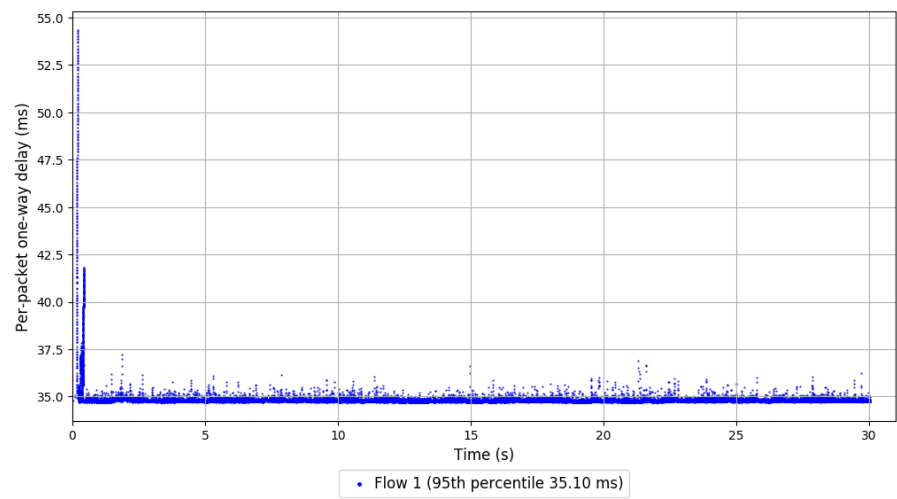
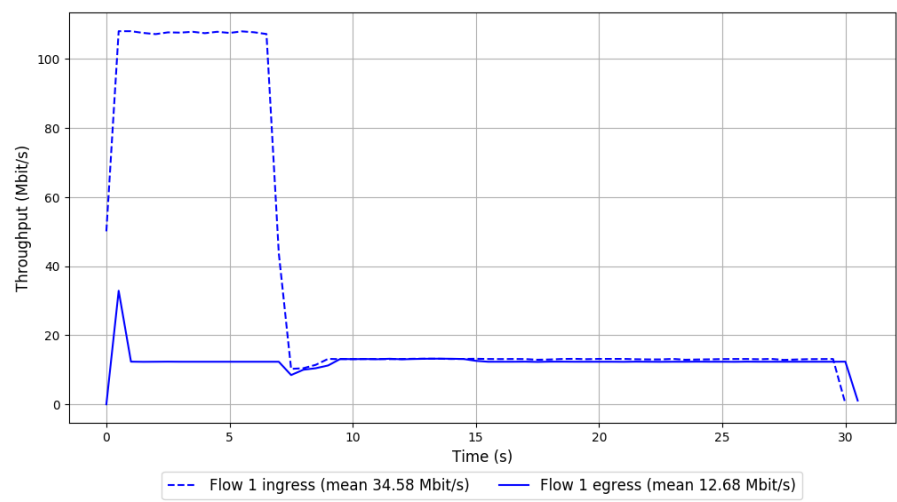
-- Flow 1:

Average throughput: 12.68 Mbit/s

95th percentile per-packet one-way delay: 35.104 ms

Loss rate: 63.33%

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



Run 4: Statistics of TaoVA-100x

Start at: 2020-02-17 23:18:00

End at: 2020-02-17 23:18:30

Local clock offset: 3.858 ms

Remote clock offset: 5.753 ms

Below is generated by plot.py at 2020-02-18 00:13:26

Datalink statistics

-- Total of 1 flow:

Average throughput: 12.45 Mbit/s

95th percentile per-packet one-way delay: 35.184 ms

Loss rate: 63.19%

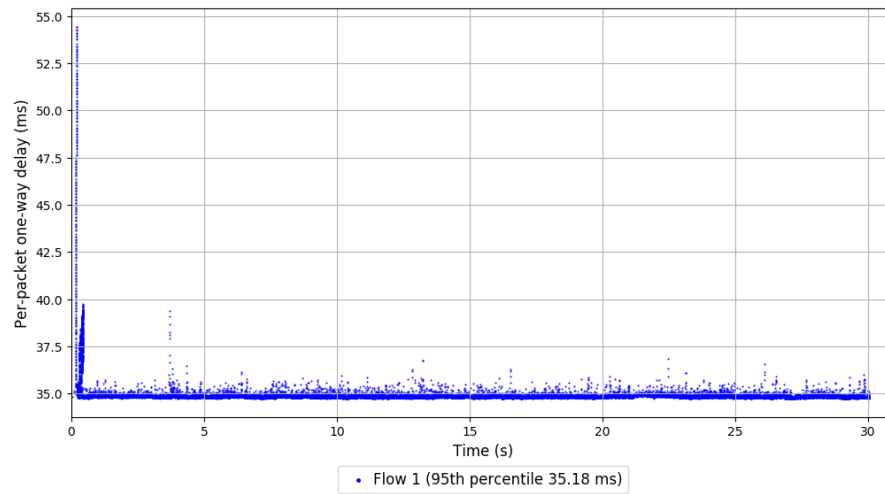
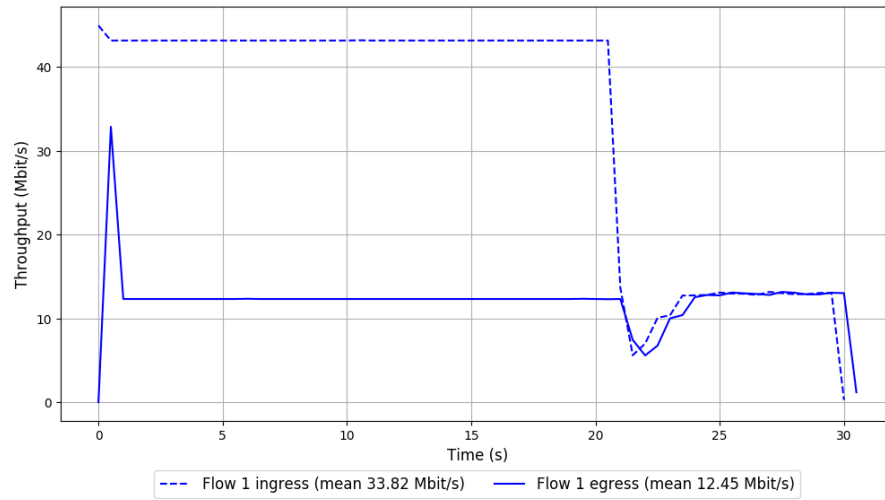
-- Flow 1:

Average throughput: 12.45 Mbit/s

95th percentile per-packet one-way delay: 35.184 ms

Loss rate: 63.19%

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



Run 5: Statistics of TaoVA-100x

Start at: 2020-02-17 23:48:02

End at: 2020-02-17 23:48:33

Local clock offset: 4.647 ms

Remote clock offset: 5.517 ms

Below is generated by plot.py at 2020-02-18 00:13:26

Datalink statistics

-- Total of 1 flow:

Average throughput: 12.44 Mbit/s

95th percentile per-packet one-way delay: 35.059 ms

Loss rate: 63.36%

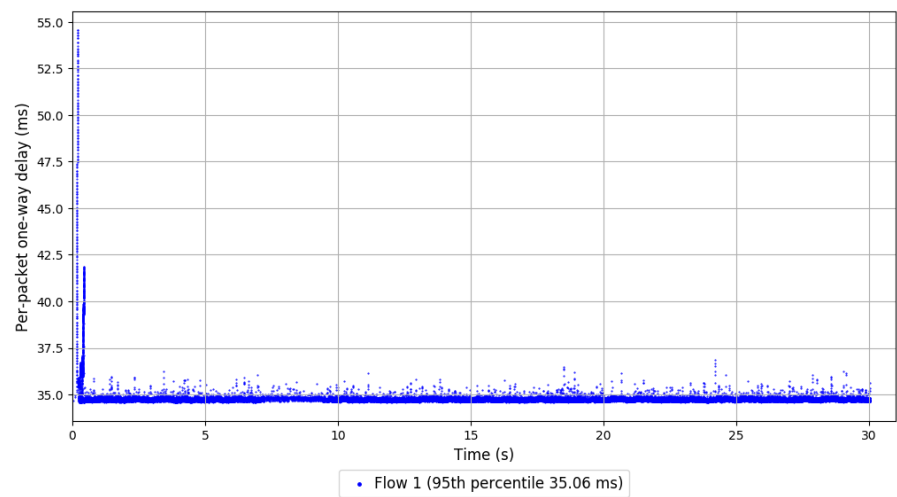
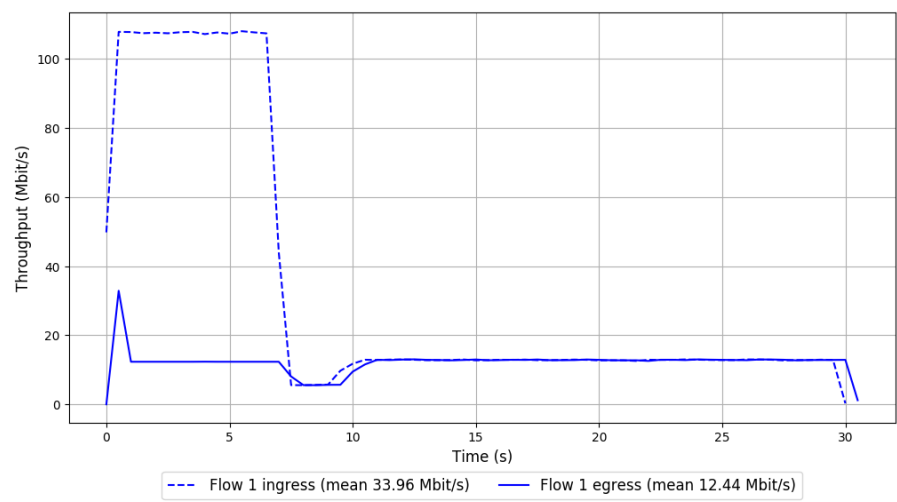
-- Flow 1:

Average throughput: 12.44 Mbit/s

95th percentile per-packet one-way delay: 35.059 ms

Loss rate: 63.36%

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



Run 1: Statistics of TCP Vegas

Start at: 2020-02-17 21:29:41

End at: 2020-02-17 21:30:11

Local clock offset: 5.024 ms

Remote clock offset: 5.683 ms

Below is generated by plot.py at 2020-02-18 00:14:03

Datalink statistics

-- Total of 1 flow:

Average throughput: 95.90 Mbit/s

95th percentile per-packet one-way delay: 43.953 ms

Loss rate: 0.27%

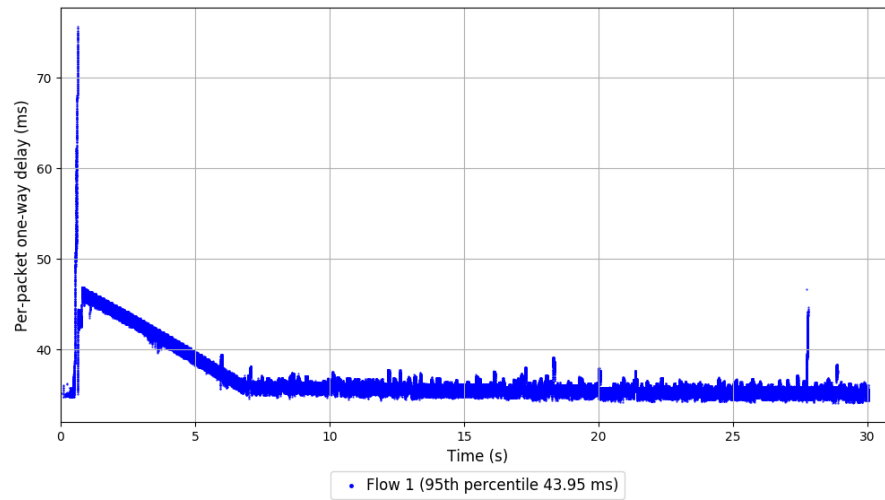
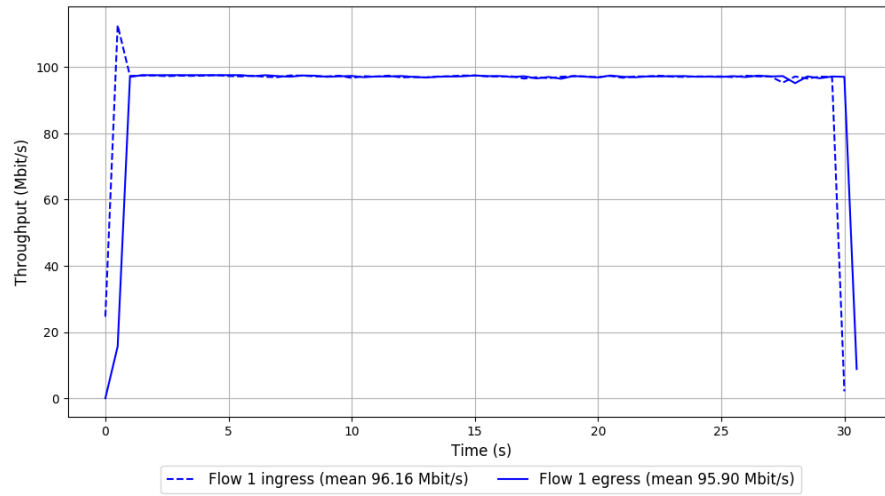
-- Flow 1:

Average throughput: 95.90 Mbit/s

95th percentile per-packet one-way delay: 43.953 ms

Loss rate: 0.27%

Run 1: Report of TCP Vegas — Data Link



Run 2: Statistics of TCP Vegas

Start at: 2020-02-17 22:00:14

End at: 2020-02-17 22:00:44

Local clock offset: 5.149 ms

Remote clock offset: 5.928 ms

Below is generated by plot.py at 2020-02-18 00:14:04

Datalink statistics

-- Total of 1 flow:

Average throughput: 96.03 Mbit/s

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

Loss rate: 0.27%

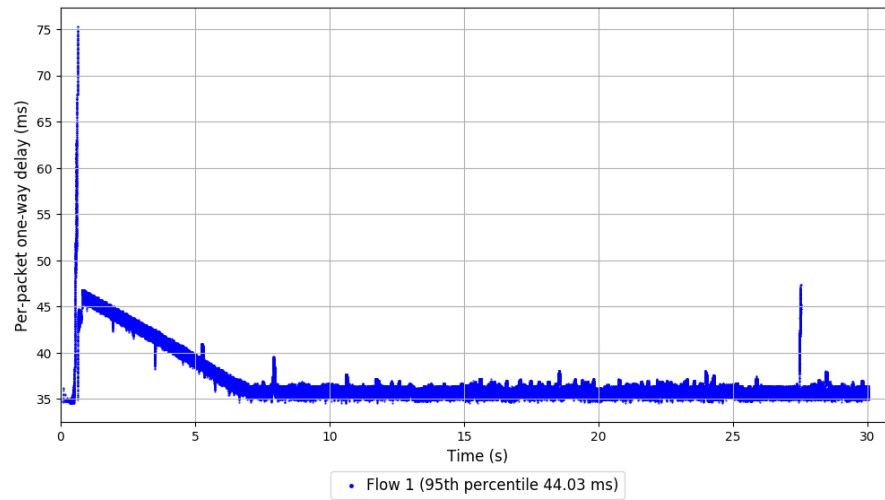
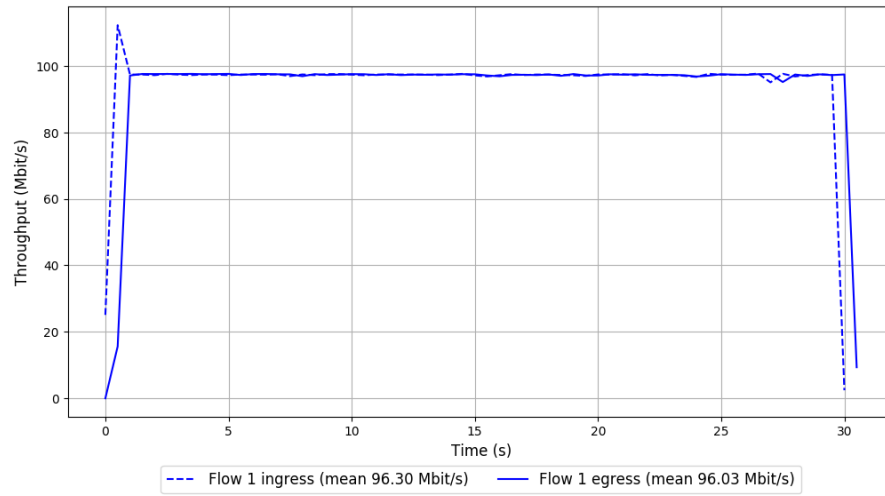
-- Flow 1:

Average throughput: 96.03 Mbit/s

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

Loss rate: 0.27%

Run 2: Report of TCP Vegas — Data Link



Run 3: Statistics of TCP Vegas

Start at: 2020-02-17 22:31:08

End at: 2020-02-17 22:31:38

Local clock offset: 5.855 ms

Remote clock offset: 5.9 ms

Below is generated by plot.py at 2020-02-18 00:14:04

Datalink statistics

-- Total of 1 flow:

Average throughput: 83.69 Mbit/s

95th percentile per-packet one-way delay: 44.278 ms

Loss rate: 0.31%

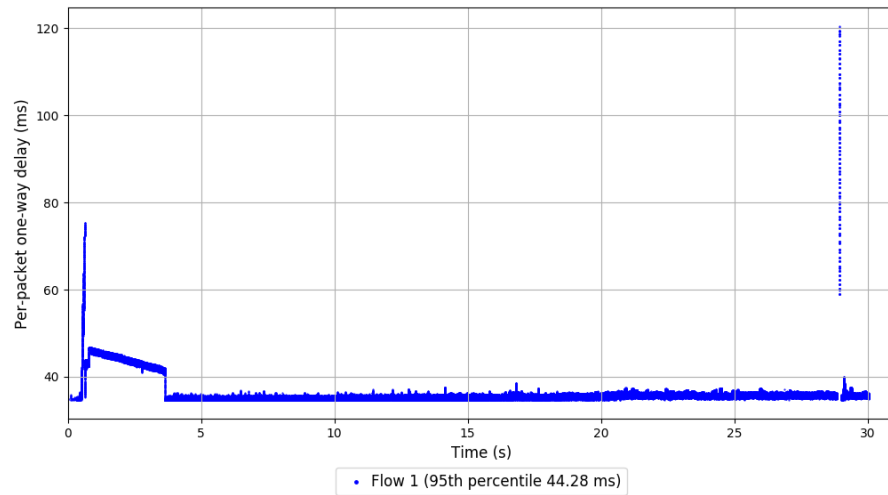
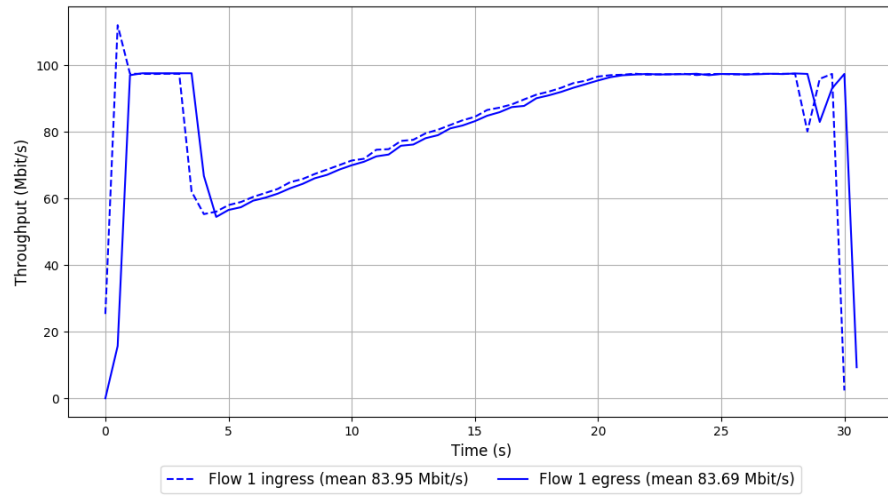
-- Flow 1:

Average throughput: 83.69 Mbit/s

95th percentile per-packet one-way delay: 44.278 ms

Loss rate: 0.31%

Run 3: Report of TCP Vegas — Data Link



Run 4: Statistics of TCP Vegas

Start at: 2020-02-17 23:00:25

End at: 2020-02-17 23:00:55

Local clock offset: 5.422 ms

Remote clock offset: 5.659 ms

Below is generated by plot.py at 2020-02-18 00:14:04

Datalink statistics

-- Total of 1 flow:

Average throughput: 88.37 Mbit/s

95th percentile per-packet one-way delay: 44.097 ms

Loss rate: 0.29%

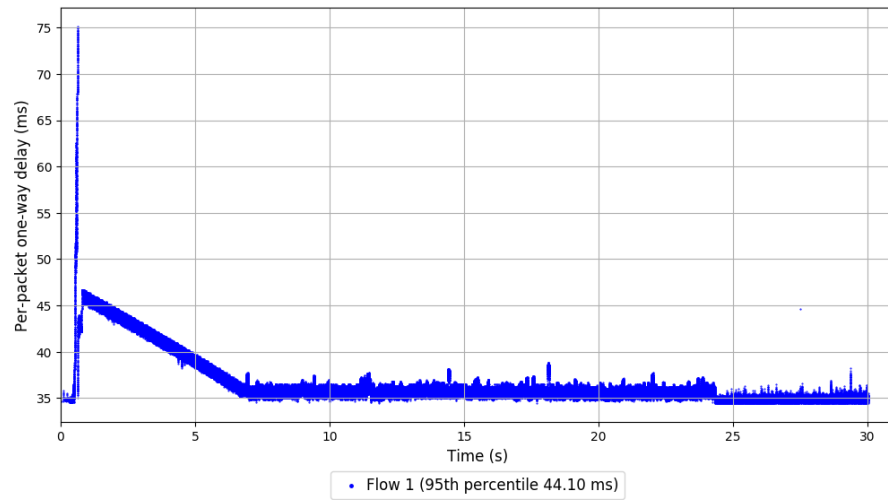
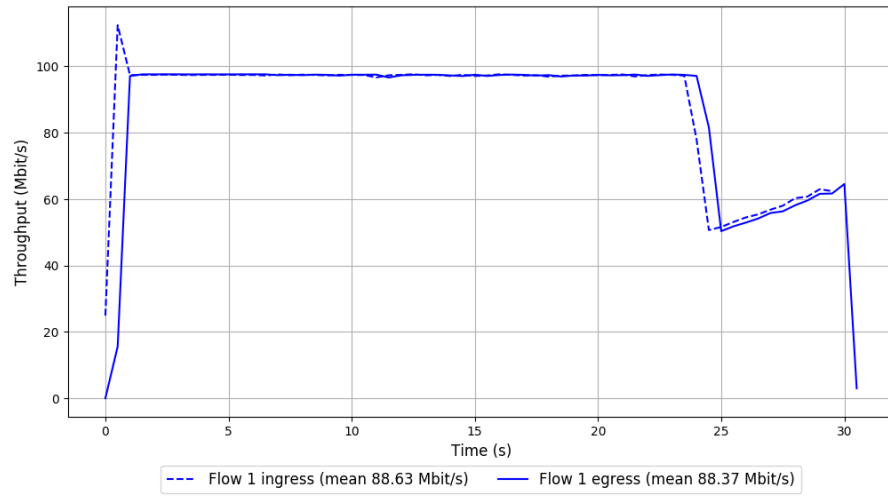
-- Flow 1:

Average throughput: 88.37 Mbit/s

95th percentile per-packet one-way delay: 44.097 ms

Loss rate: 0.29%

Run 4: Report of TCP Vegas — Data Link



Run 5: Statistics of TCP Vegas

Start at: 2020-02-17 23:30:39

End at: 2020-02-17 23:31:09

Local clock offset: 3.929 ms

Remote clock offset: 5.568 ms

Below is generated by plot.py at 2020-02-18 00:14:09

Datalink statistics

-- Total of 1 flow:

Average throughput: 95.94 Mbit/s

95th percentile per-packet one-way delay: 44.021 ms

Loss rate: 0.27%

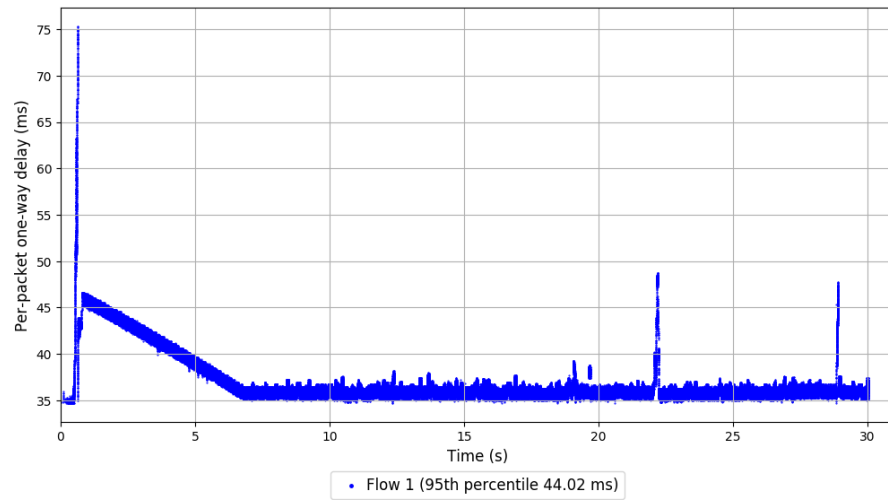
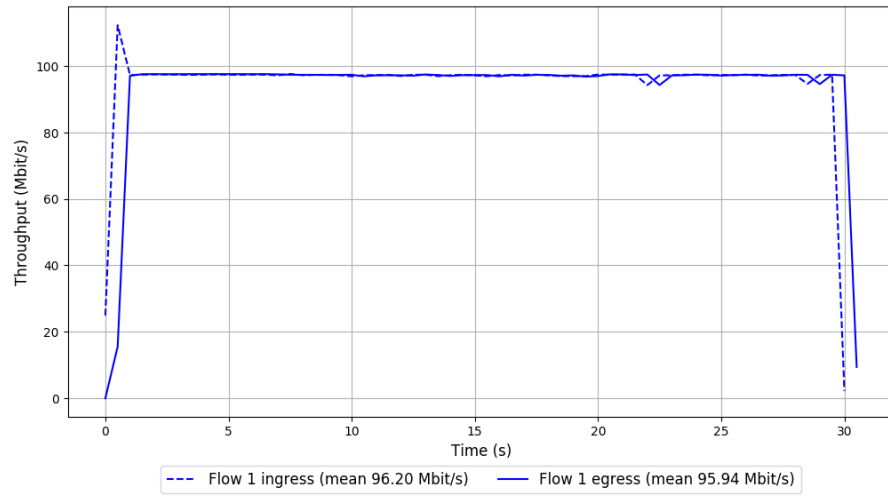
-- Flow 1:

Average throughput: 95.94 Mbit/s

95th percentile per-packet one-way delay: 44.021 ms

Loss rate: 0.27%

Run 5: Report of TCP Vegas — Data Link



Run 1: Statistics of Verus

Start at: 2020-02-17 21:56:22

End at: 2020-02-17 21:56:52

Local clock offset: 5.085 ms

Remote clock offset: 5.89 ms

Below is generated by plot.py at 2020-02-18 00:14:09

Datalink statistics

-- Total of 1 flow:

Average throughput: 59.07 Mbit/s

95th percentile per-packet one-way delay: 70.376 ms

Loss rate: 21.43%

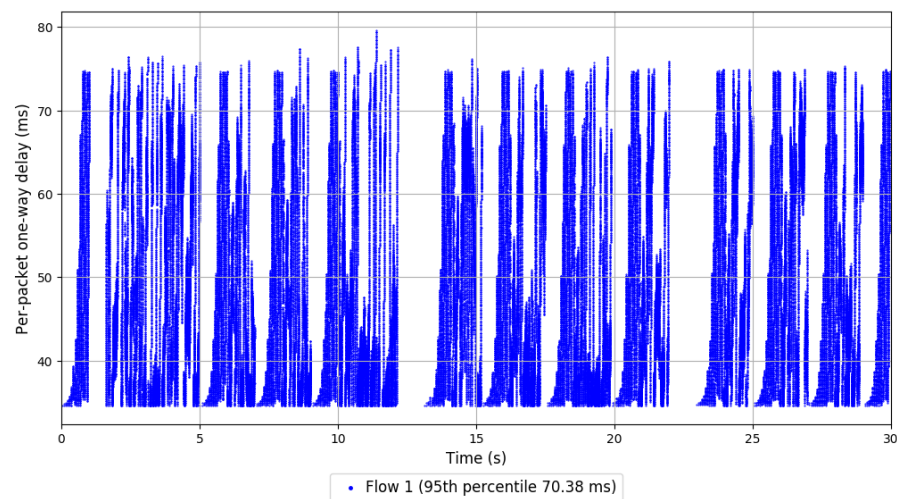
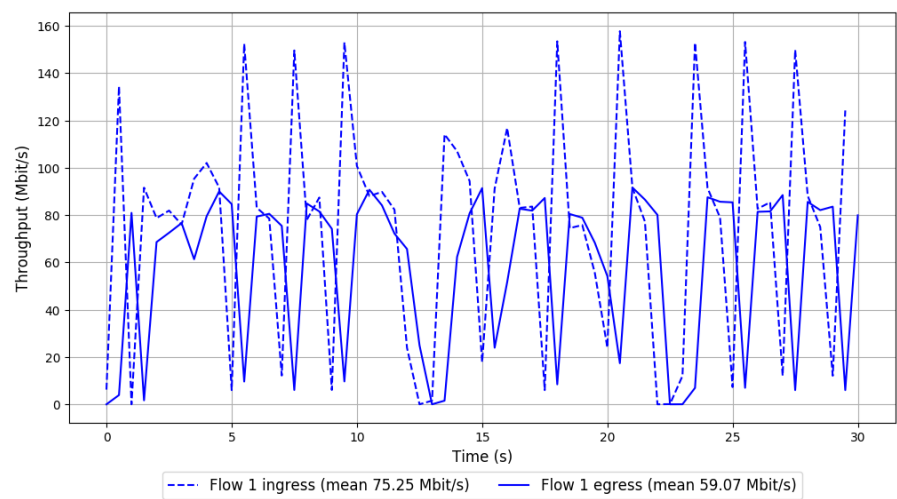
-- Flow 1:

Average throughput: 59.07 Mbit/s

95th percentile per-packet one-way delay: 70.376 ms

Loss rate: 21.43%

Run 1: Report of Verus — Data Link



Run 2: Statistics of Verus

Start at: 2020-02-17 22:27:40

End at: 2020-02-17 22:28:10

Local clock offset: 6.152 ms

Remote clock offset: 5.98 ms

Below is generated by plot.py at 2020-02-18 00:14:09

Datalink statistics

-- Total of 1 flow:

Average throughput: 52.72 Mbit/s

95th percentile per-packet one-way delay: 70.108 ms

Loss rate: 22.02%

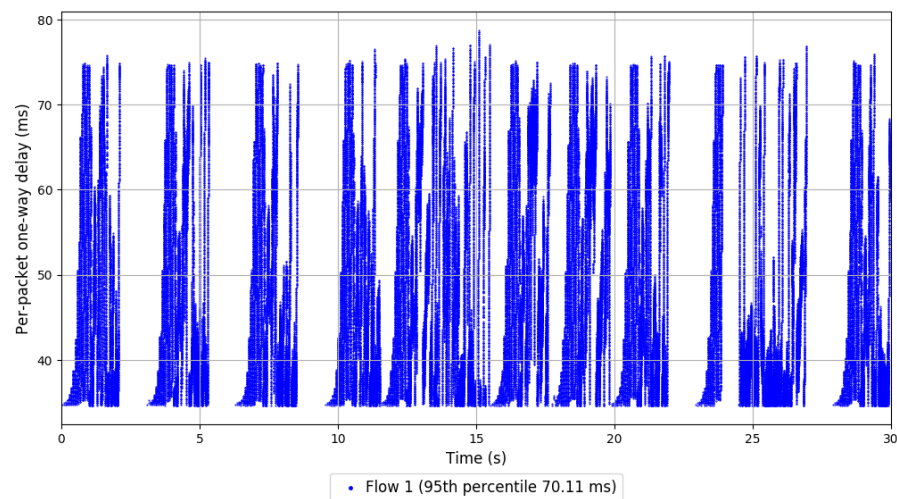
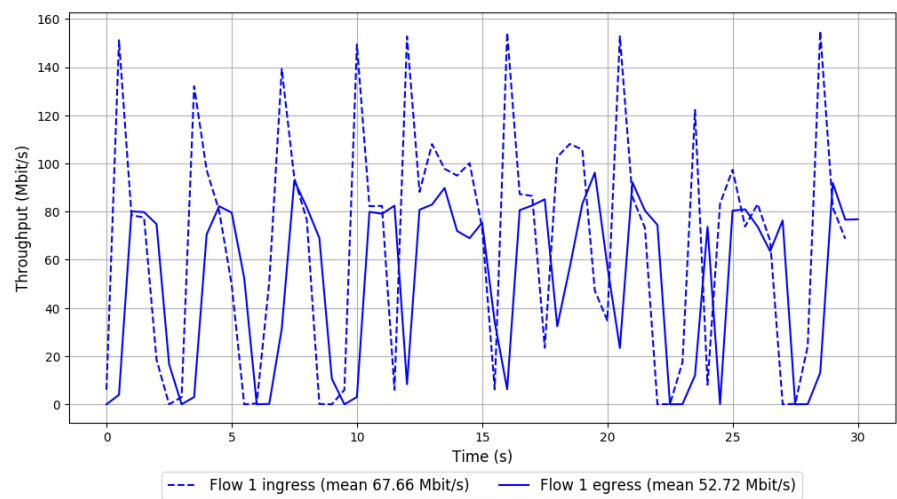
-- Flow 1:

Average throughput: 52.72 Mbit/s

95th percentile per-packet one-way delay: 70.108 ms

Loss rate: 22.02%

Run 2: Report of Verus — Data Link



Run 3: Statistics of Verus

Start at: 2020-02-17 22:56:47

End at: 2020-02-17 22:57:17

Local clock offset: 5.921 ms

Remote clock offset: 5.688 ms

Below is generated by plot.py at 2020-02-18 00:14:15

Datalink statistics

-- Total of 1 flow:

Average throughput: 54.32 Mbit/s

95th percentile per-packet one-way delay: 70.061 ms

Loss rate: 21.17%

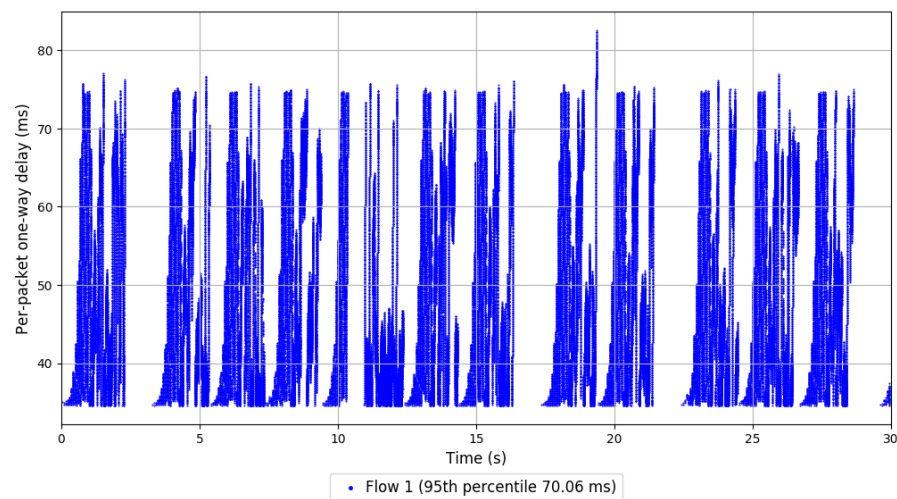
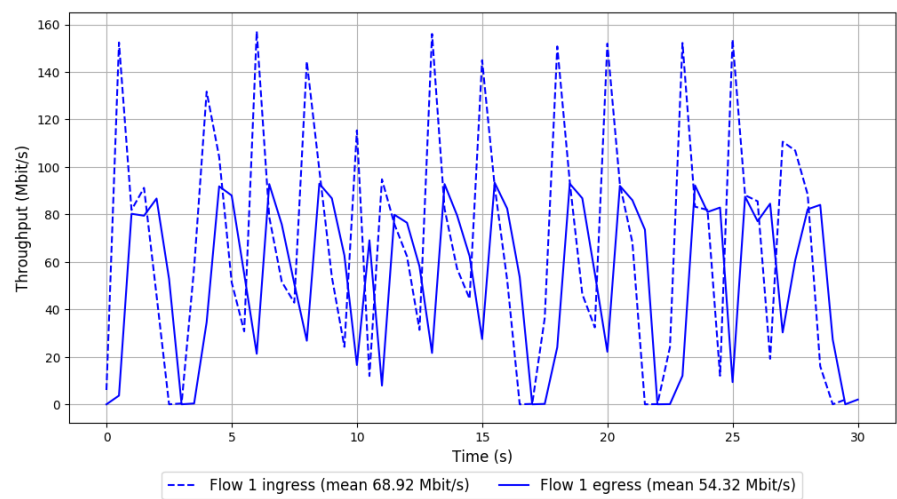
-- Flow 1:

Average throughput: 54.32 Mbit/s

95th percentile per-packet one-way delay: 70.061 ms

Loss rate: 21.17%

Run 3: Report of Verus — Data Link



Run 4: Statistics of Verus

Start at: 2020-02-17 23:26:57

End at: 2020-02-17 23:27:27

Local clock offset: 3.73 ms

Remote clock offset: 5.689 ms

Below is generated by plot.py at 2020-02-18 00:14:38

Datalink statistics

-- Total of 1 flow:

Average throughput: 61.31 Mbit/s

95th percentile per-packet one-way delay: 70.330 ms

Loss rate: 24.05%

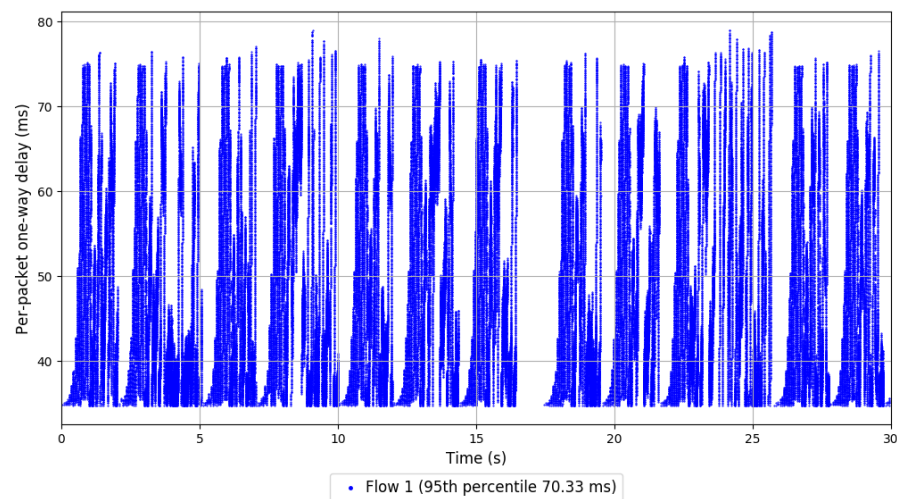
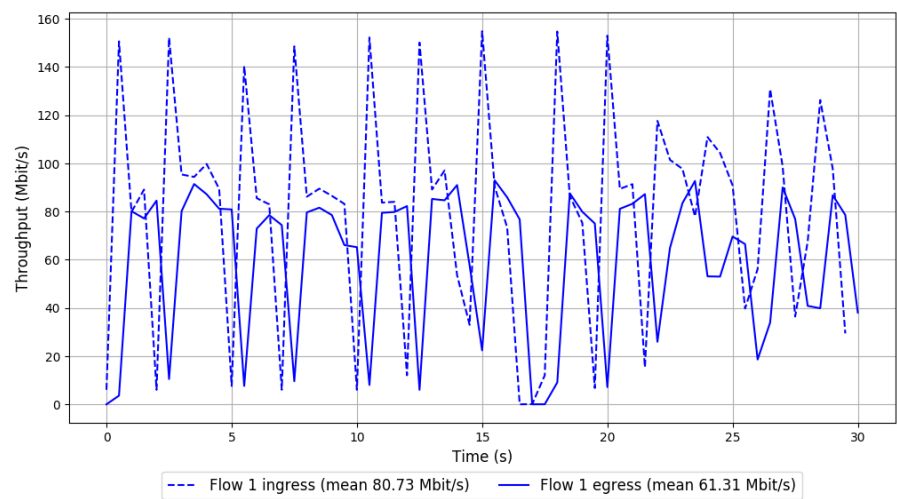
-- Flow 1:

Average throughput: 61.31 Mbit/s

95th percentile per-packet one-way delay: 70.330 ms

Loss rate: 24.05%

Run 4: Report of Verus — Data Link



Run 5: Statistics of Verus

Start at: 2020-02-17 23:57:08

End at: 2020-02-17 23:57:38

Local clock offset: 4.769 ms

Remote clock offset: 5.499 ms

Below is generated by plot.py at 2020-02-18 00:14:51

Datalink statistics

-- Total of 1 flow:

Average throughput: 52.40 Mbit/s

95th percentile per-packet one-way delay: 73.716 ms

Loss rate: 54.05%

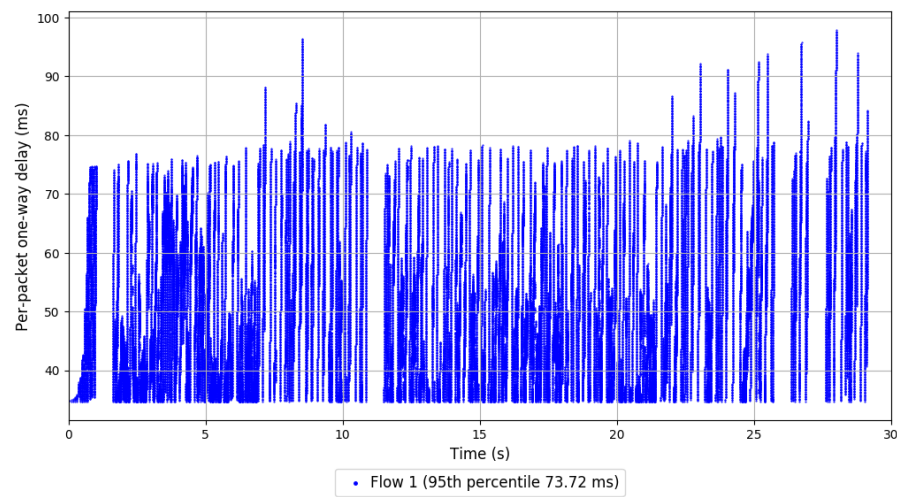
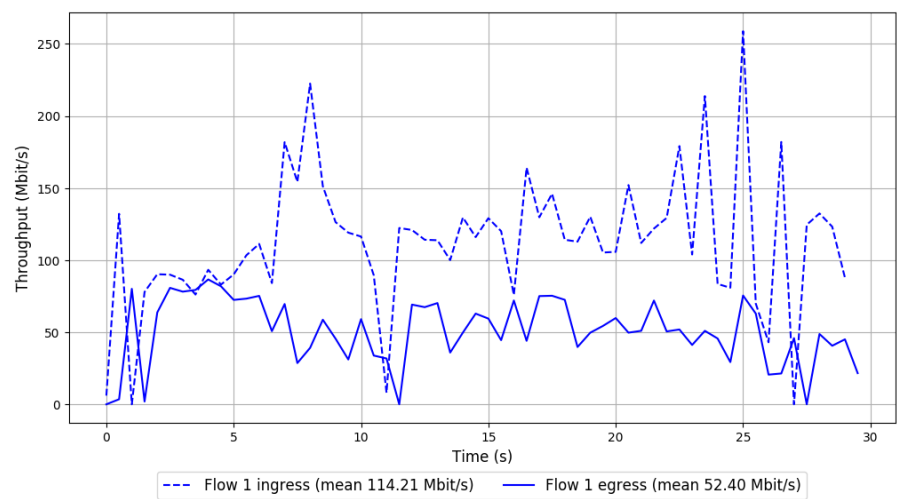
-- Flow 1:

Average throughput: 52.40 Mbit/s

95th percentile per-packet one-way delay: 73.716 ms

Loss rate: 54.05%

Run 5: Report of Verus — Data Link



Run 1: Statistics of PCC-Vivace

Start at: 2020-02-17 21:51:06

End at: 2020-02-17 21:51:36

Local clock offset: 4.812 ms

Remote clock offset: 5.767 ms

Below is generated by plot.py at 2020-02-18 00:14:59

Datalink statistics

-- Total of 1 flow:

Average throughput: 84.97 Mbit/s

95th percentile per-packet one-way delay: 36.230 ms

Loss rate: 0.00%

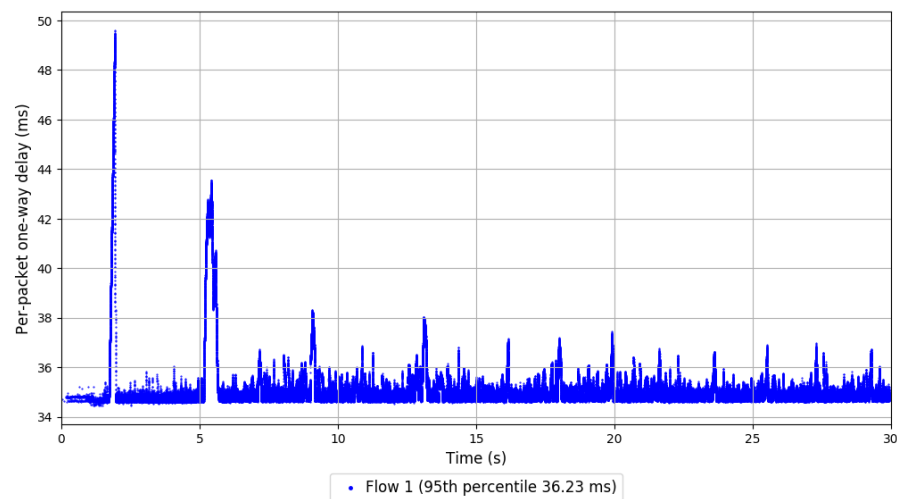
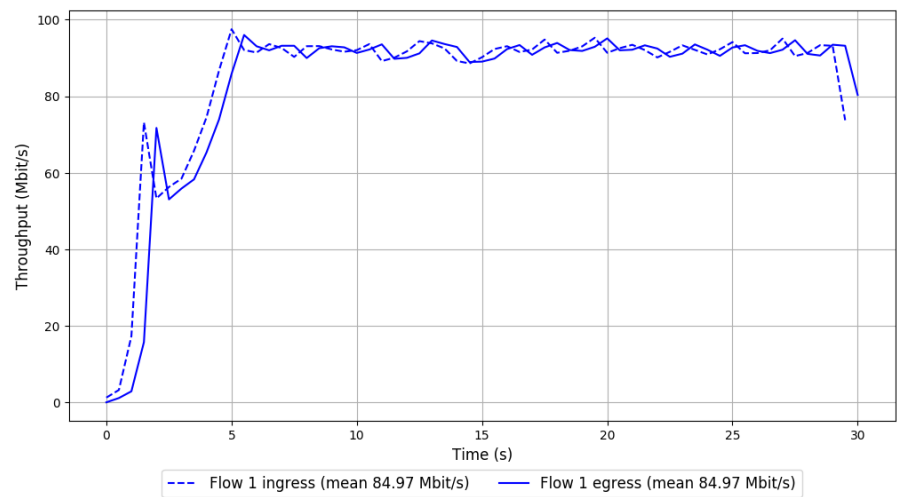
-- Flow 1:

Average throughput: 84.97 Mbit/s

95th percentile per-packet one-way delay: 36.230 ms

Loss rate: 0.00%

Run 1: Report of PCC-Vivace — Data Link



Run 2: Statistics of PCC-Vivace

Start at: 2020-02-17 22:22:40

End at: 2020-02-17 22:23:10

Local clock offset: 5.875 ms

Remote clock offset: 6.139 ms

Below is generated by plot.py at 2020-02-18 00:14:59

Datalink statistics

-- Total of 1 flow:

Average throughput: 85.25 Mbit/s

95th percentile per-packet one-way delay: 36.532 ms

Loss rate: 0.00%

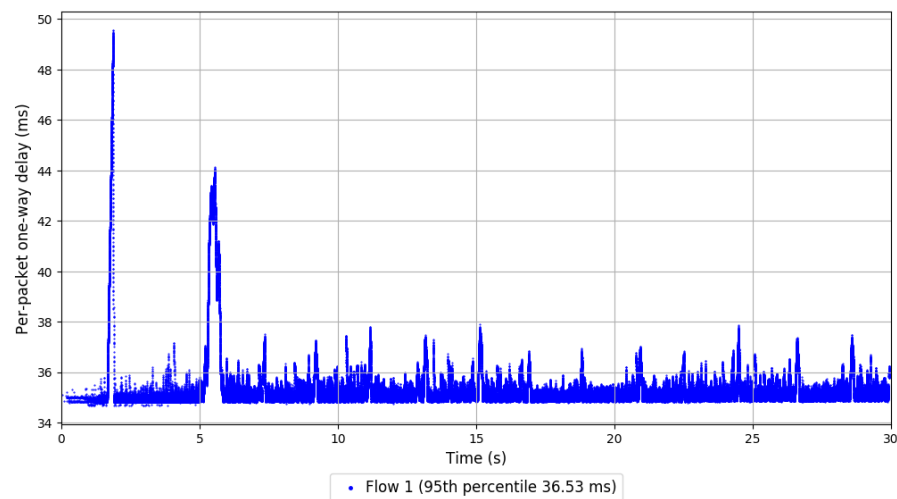
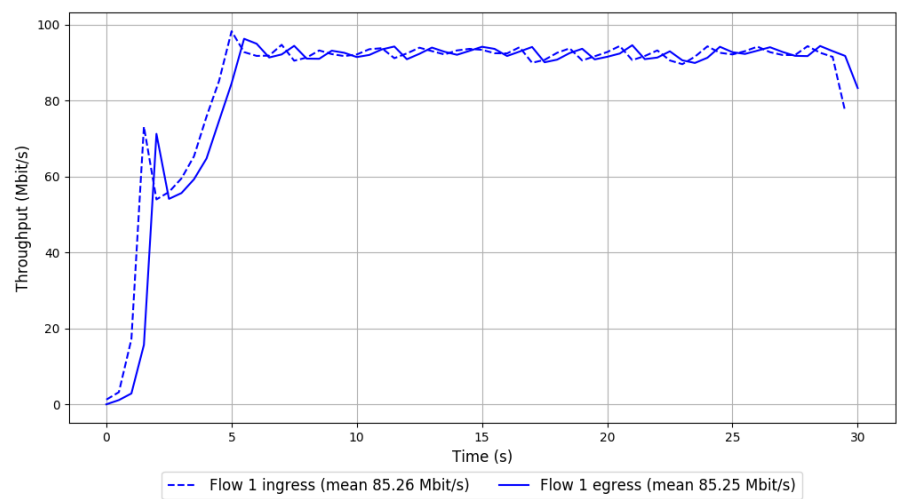
-- Flow 1:

Average throughput: 85.25 Mbit/s

95th percentile per-packet one-way delay: 36.532 ms

Loss rate: 0.00%

Run 2: Report of PCC-Vivace — Data Link



Run 3: Statistics of PCC-Vivace

Start at: 2020-02-17 22:51:48

End at: 2020-02-17 22:52:18

Local clock offset: 5.8 ms

Remote clock offset: 5.74 ms

Below is generated by plot.py at 2020-02-18 00:15:00

Datalink statistics

-- Total of 1 flow:

Average throughput: 84.27 Mbit/s

95th percentile per-packet one-way delay: 51.094 ms

Loss rate: 0.00%

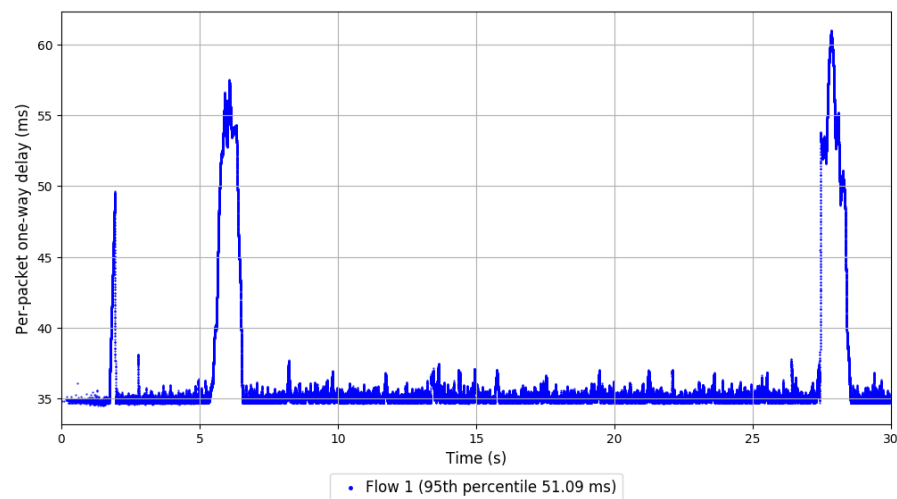
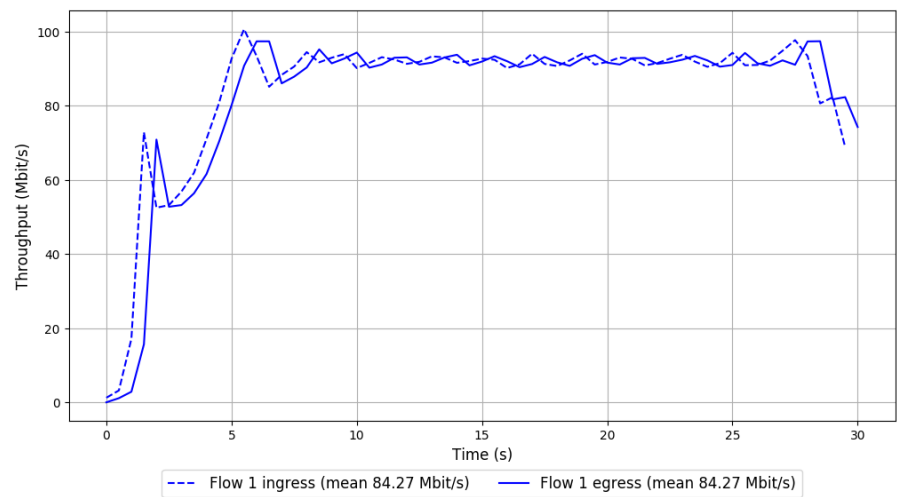
-- Flow 1:

Average throughput: 84.27 Mbit/s

95th percentile per-packet one-way delay: 51.094 ms

Loss rate: 0.00%

Run 3: Report of PCC-Vivace — Data Link



Run 4: Statistics of PCC-Vivace

Start at: 2020-02-17 23:21:42

End at: 2020-02-17 23:22:12

Local clock offset: 3.766 ms

Remote clock offset: 5.656 ms

Below is generated by plot.py at 2020-02-18 00:15:00

Datalink statistics

-- Total of 1 flow:

Average throughput: 84.37 Mbit/s

95th percentile per-packet one-way delay: 37.666 ms

Loss rate: 0.00%

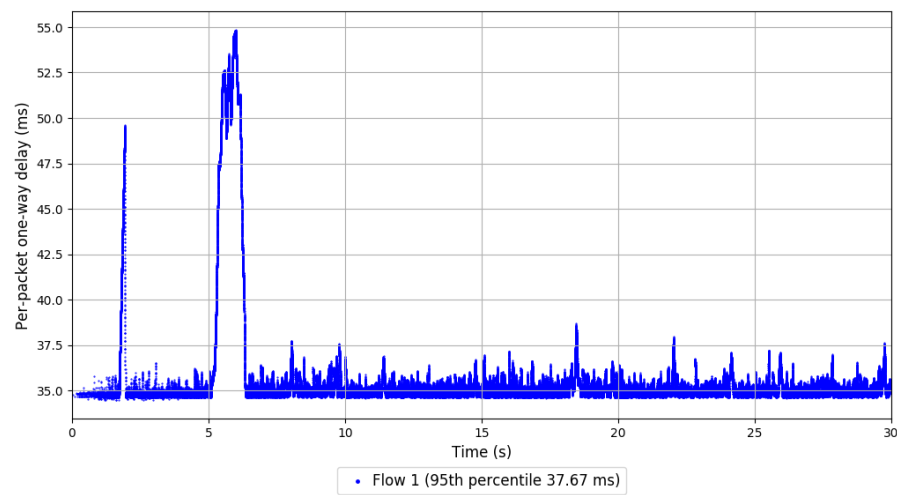
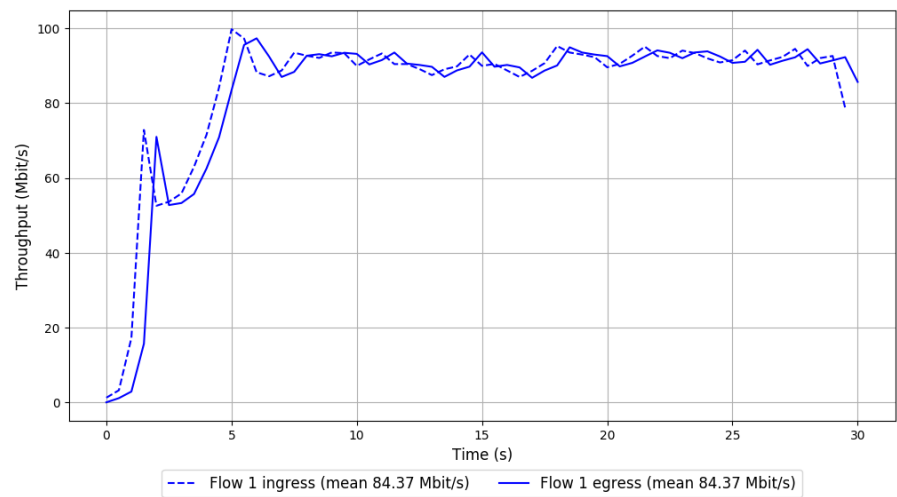
-- Flow 1:

Average throughput: 84.37 Mbit/s

95th percentile per-packet one-way delay: 37.666 ms

Loss rate: 0.00%

Run 4: Report of PCC-Vivace — Data Link



Run 5: Statistics of PCC-Vivace

Start at: 2020-02-17 23:51:55

End at: 2020-02-17 23:52:25

Local clock offset: 4.713 ms

Remote clock offset: 5.608 ms

Below is generated by plot.py at 2020-02-18 00:15:01

Datalink statistics

-- Total of 1 flow:

Average throughput: 84.52 Mbit/s

95th percentile per-packet one-way delay: 36.560 ms

Loss rate: 0.00%

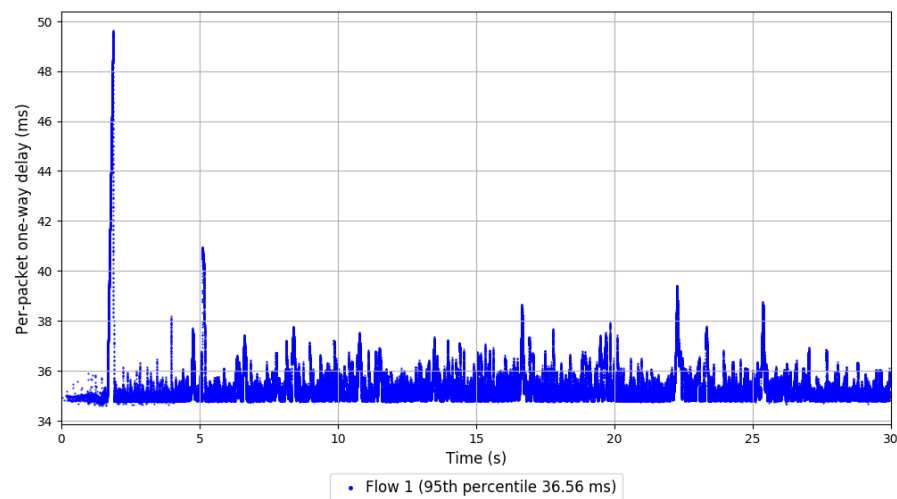
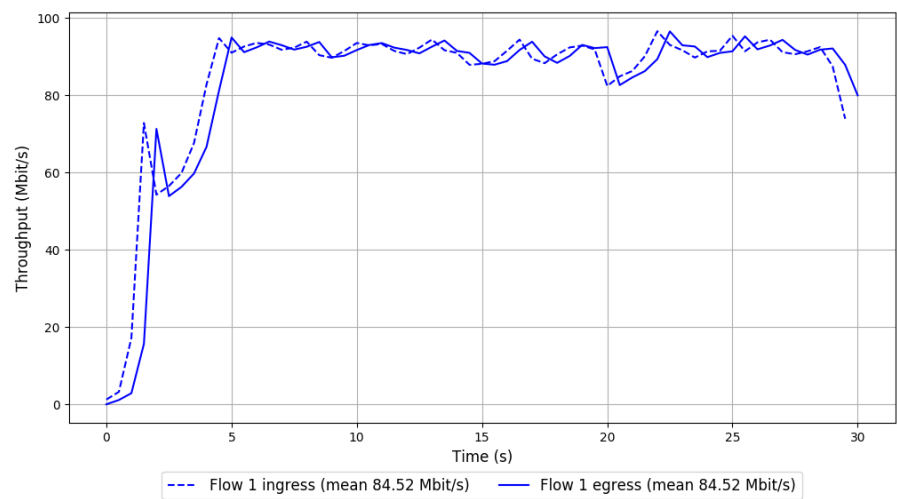
-- Flow 1:

Average throughput: 84.52 Mbit/s

95th percentile per-packet one-way delay: 36.560 ms

Loss rate: 0.00%

Run 5: Report of PCC-Vivace — Data Link



Run 1: Statistics of WebRTC media

Start at: 2020-02-17 21:46:05

End at: 2020-02-17 21:46:35

Local clock offset: 4.668 ms

Remote clock offset: 5.775 ms

Below is generated by plot.py at 2020-02-18 00:15:01

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.05 Mbit/s

95th percentile per-packet one-way delay: 35.692 ms

Loss rate: 0.00%

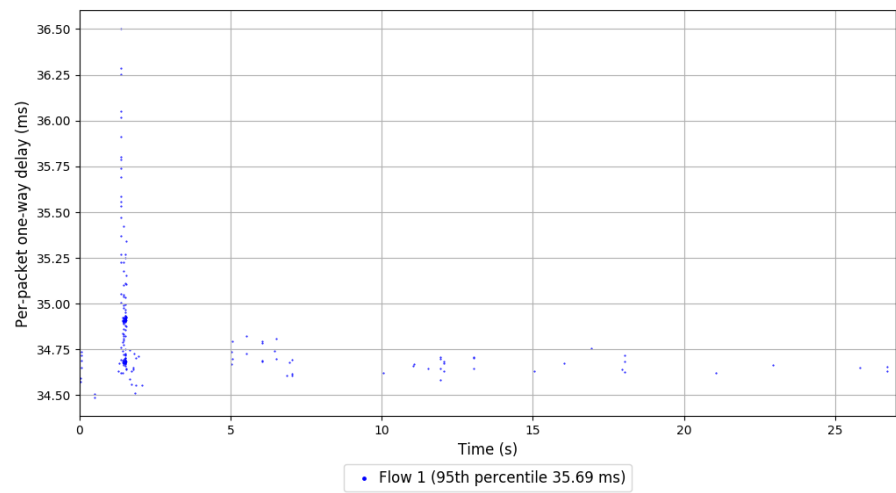
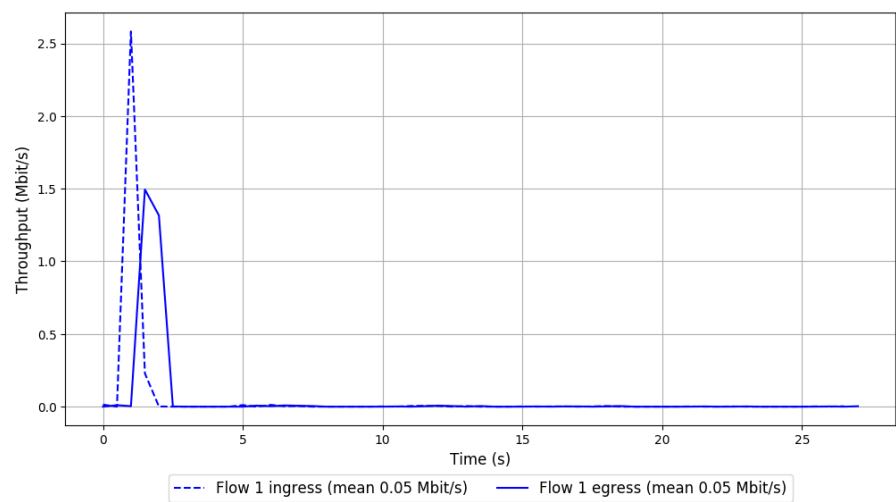
-- Flow 1:

Average throughput: 0.05 Mbit/s

95th percentile per-packet one-way delay: 35.692 ms

Loss rate: 0.00%

Run 1: Report of WebRTC media — Data Link



Run 2: Statistics of WebRTC media

Start at: 2020-02-17 22:17:51

End at: 2020-02-17 22:18:21

Local clock offset: 5.67 ms

Remote clock offset: 6.183 ms

Below is generated by plot.py at 2020-02-18 00:15:01

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.05 Mbit/s

95th percentile per-packet one-way delay: 35.608 ms

Loss rate: 0.00%

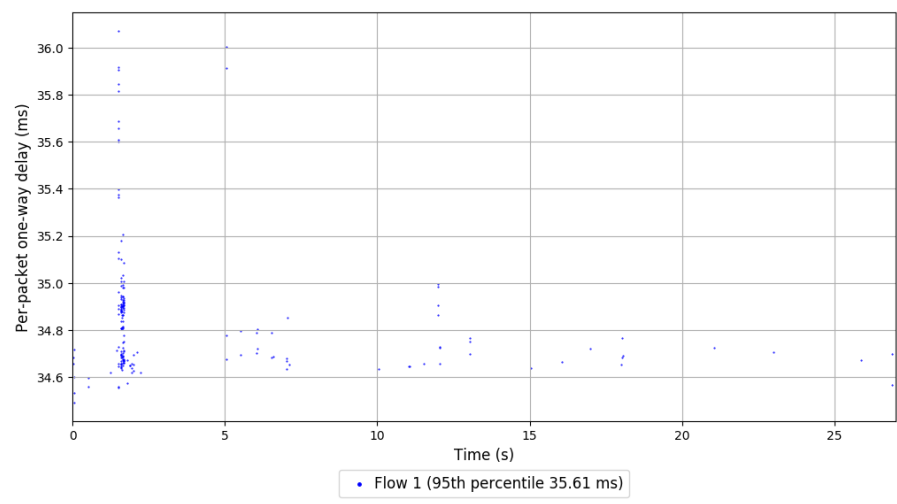
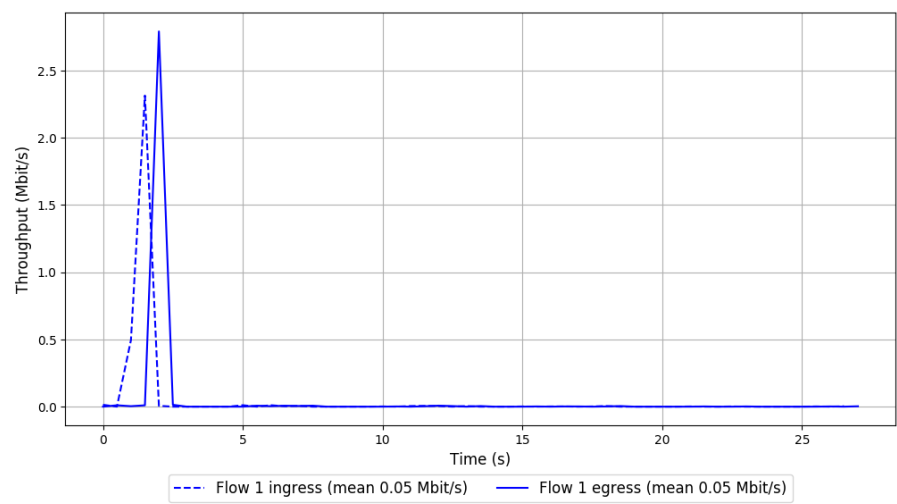
-- Flow 1:

Average throughput: 0.05 Mbit/s

95th percentile per-packet one-way delay: 35.608 ms

Loss rate: 0.00%

Run 2: Report of WebRTC media — Data Link



Run 3: Statistics of WebRTC media

Start at: 2020-02-17 22:47:06

End at: 2020-02-17 22:47:36

Local clock offset: 5.695 ms

Remote clock offset: 5.808 ms

Below is generated by plot.py at 2020-02-18 00:15:01

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.05 Mbit/s

95th percentile per-packet one-way delay: 35.450 ms

Loss rate: 0.00%

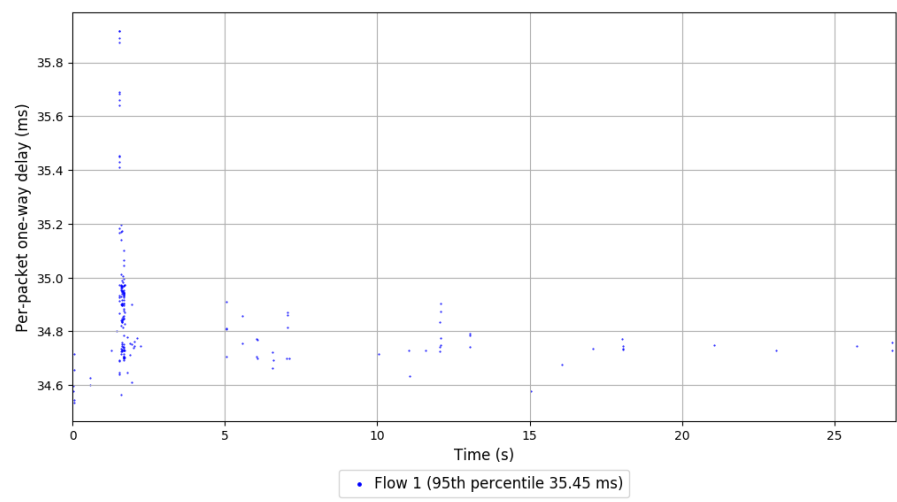
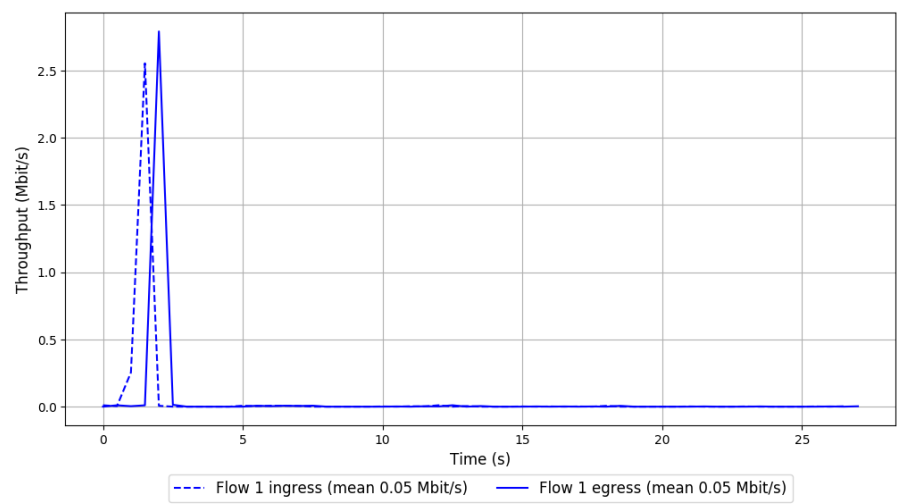
-- Flow 1:

Average throughput: 0.05 Mbit/s

95th percentile per-packet one-way delay: 35.450 ms

Loss rate: 0.00%

Run 3: Report of WebRTC media — Data Link



Run 4: Statistics of WebRTC media

Start at: 2020-02-17 23:16:54

End at: 2020-02-17 23:17:24

Local clock offset: 3.886 ms

Remote clock offset: 5.544 ms

Below is generated by plot.py at 2020-02-18 00:15:01

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.05 Mbit/s

95th percentile per-packet one-way delay: 35.331 ms

Loss rate: 0.00%

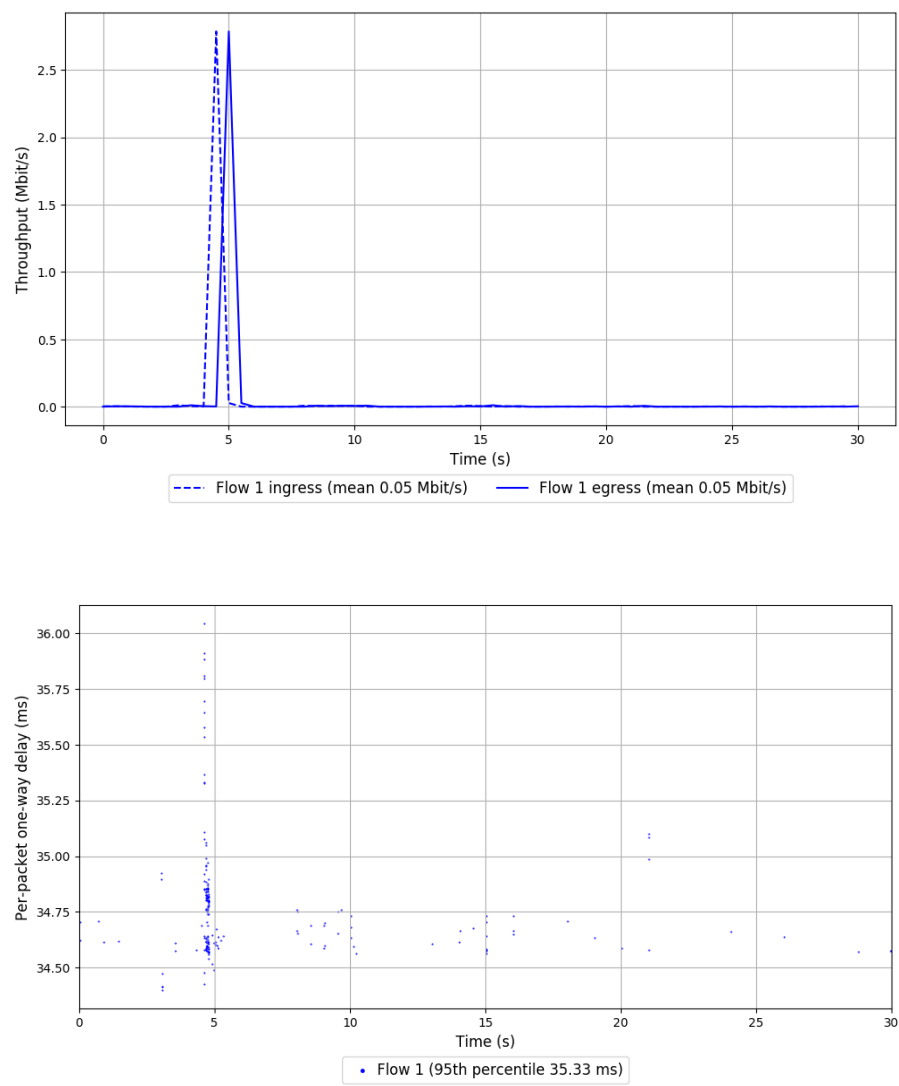
-- Flow 1:

Average throughput: 0.05 Mbit/s

95th percentile per-packet one-way delay: 35.331 ms

Loss rate: 0.00%

Run 4: Report of WebRTC media — Data Link



Run 5: Statistics of WebRTC media

Start at: 2020-02-17 23:46:56

End at: 2020-02-17 23:47:26

Local clock offset: 4.644 ms

Remote clock offset: 5.698 ms

Below is generated by plot.py at 2020-02-18 00:15:01

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.05 Mbit/s

95th percentile per-packet one-way delay: 35.602 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 0.05 Mbit/s

95th percentile per-packet one-way delay: 35.602 ms

Loss rate: 0.00%

Run 5: Report of WebRTC media — Data Link

