

Pantheon Report

Generated at 2019-09-18 02:37:18 (UTC).

Data path: AWS India 1 on `ens5` (*local*) → India 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 `nets.org.sg` and have been applied to correct the timestamps in logs.

System info:

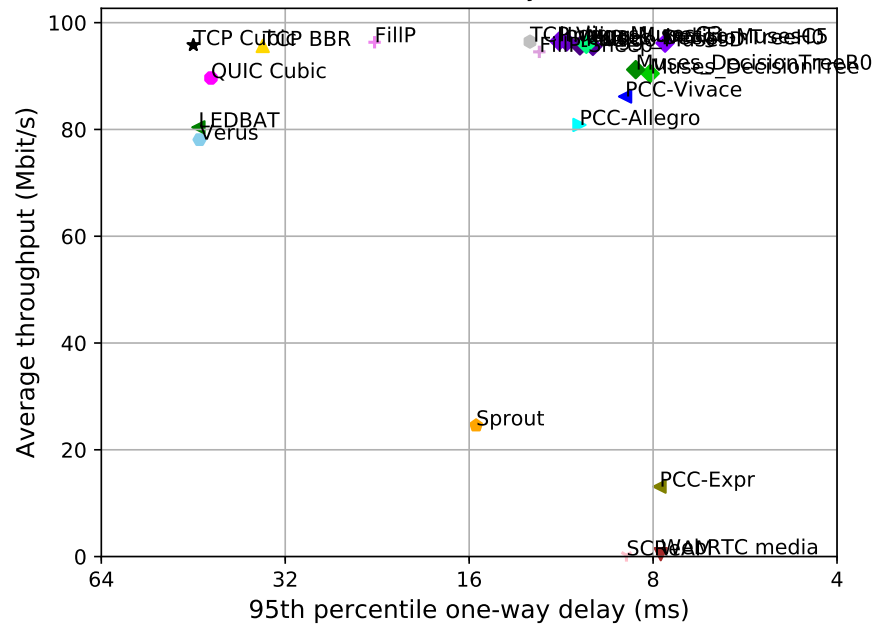
```
Linux 4.15.0-1045-aws
net.core.default_qdisc = fq
net.core.rmem_default = 16777216
net.core.rmem_max = 536870912
net.core.wmem_default = 16777216
net.core.wmem_max = 536870912
net.ipv4.tcp_rmem = 4096 16777216 536870912
net.ipv4.tcp_wmem = 4096 16777216 536870912
```

Git summary:

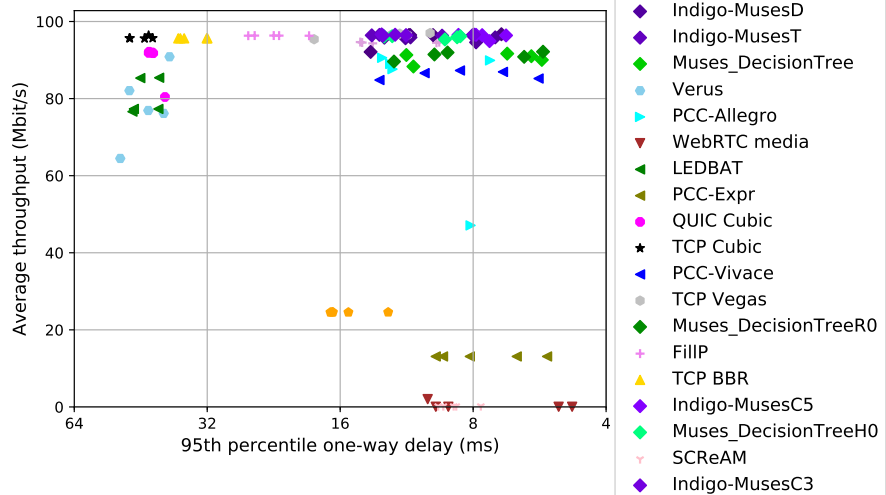
```
branch: muses @ de42328552b3776a75a932a94dfafd722537b0ec
third_party/fillp @ d6da1459332fcee56963885d7eba17e6a32d4519
third_party/fillp-sheep @ 0e5bb722943babcd2b090d2c64fcd45e12e923f9
third_party/genericCC @ d0153f8e594aa89e93b032143cedbdf58e562f4
third_party/indigo @ 2601c92e4aa9d58d38dc4dfe0ecd90c077e64d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

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

test from AWS India 1 to India, 5 runs of 30s each per scheme
(mean of all runs by scheme)



test from AWS India 1 to India, 5 runs of 30s each per 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	95.64	34.83	0.19
Copa	0	N/A	N/A	N/A
TCP Cubic	5	95.80	45.25	0.40
FillP	5	96.33	22.85	0.37
FillP-Sheep	5	94.53	12.28	0.28
Indigo	5	95.65	10.54	0.00
Indigo-MusesC3	5	96.53	11.40	0.00
Indigo-MusesC5	5	96.17	7.65	0.00
Indigo-MusesD	5	95.56	10.04	0.00
Indigo-MusesT	5	96.40	11.08	0.00
LEDBAT	5	80.40	44.39	0.16
Muses_DecisionTree	5	90.47	8.09	0.00
Muses_DecisionTreeH0	5	95.95	10.29	0.00
Muses_DecisionTreeR0	5	91.20	8.54	0.00
PCC-Allegro	5	80.85	10.56	0.24
PCC-Expr	5	13.10	7.81	44.94
QUIC Cubic	5	89.64	42.34	0.56
SCReAM	5	0.21	8.84	0.00
Sprout	5	24.57	15.59	0.00
TaoVA-100x	0	N/A	N/A	N/A
TCP Vegas	5	96.44	12.72	0.24
Verus	5	78.09	44.19	31.91
PCC-Vivace	5	86.17	8.89	0.00
WebRTC media	5	0.45	7.77	0.00

Run 1: Statistics of TCP BBR

Start at: 2019-09-18 00:09:22

End at: 2019-09-18 00:09:52

Local clock offset: 5.26 ms

Remote clock offset: 4.522 ms

Below is generated by plot.py at 2019-09-18 02:24:46

Datalink statistics

-- Total of 1 flow:

Average throughput: 95.65 Mbit/s

95th percentile per-packet one-way delay: 32.078 ms

Loss rate: 0.19%

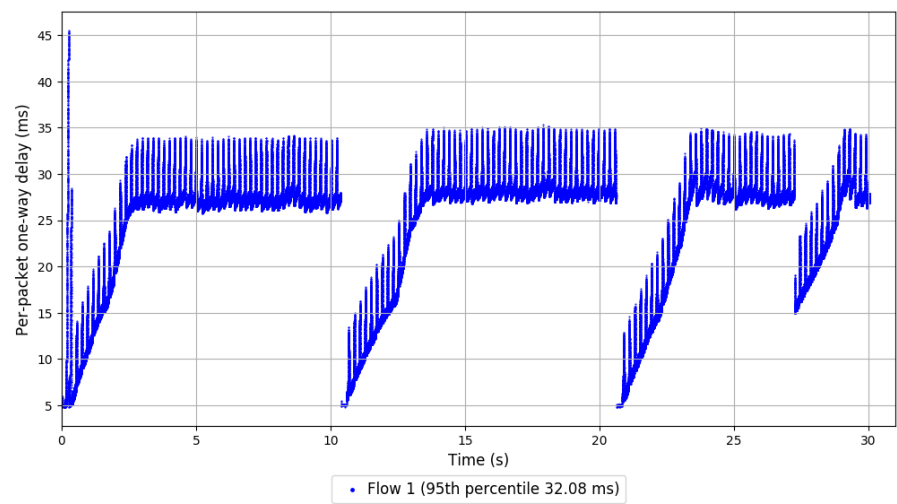
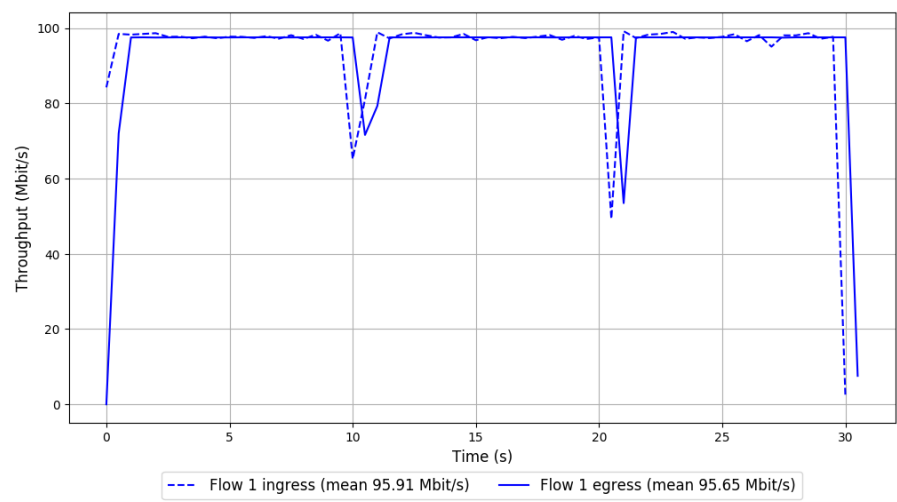
-- Flow 1:

Average throughput: 95.65 Mbit/s

95th percentile per-packet one-way delay: 32.078 ms

Loss rate: 0.19%

Run 1: Report of TCP BBR — Data Link



Run 2: Statistics of TCP BBR

Start at: 2019-09-18 00:37:16

End at: 2019-09-18 00:37:46

Local clock offset: 1.858 ms

Remote clock offset: 4.949 ms

Below is generated by plot.py at 2019-09-18 02:24:46

Datalink statistics

-- Total of 1 flow:

Average throughput: 95.64 Mbit/s

95th percentile per-packet one-way delay: 36.088 ms

Loss rate: 0.19%

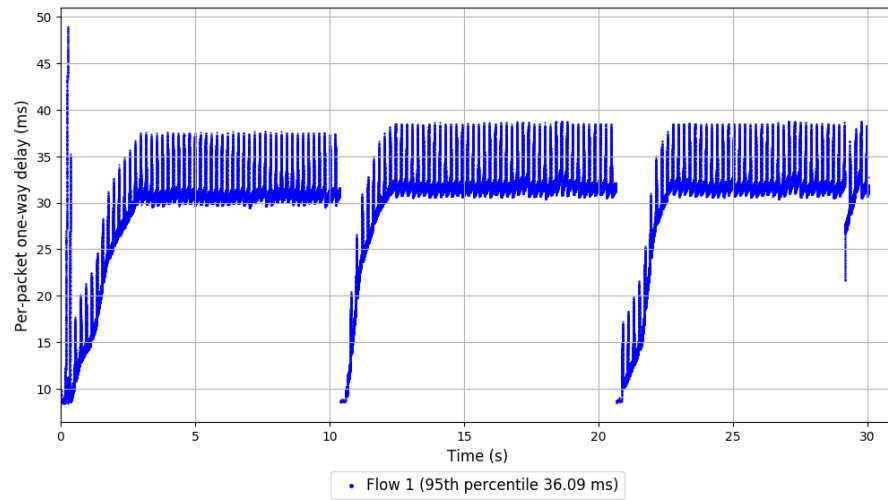
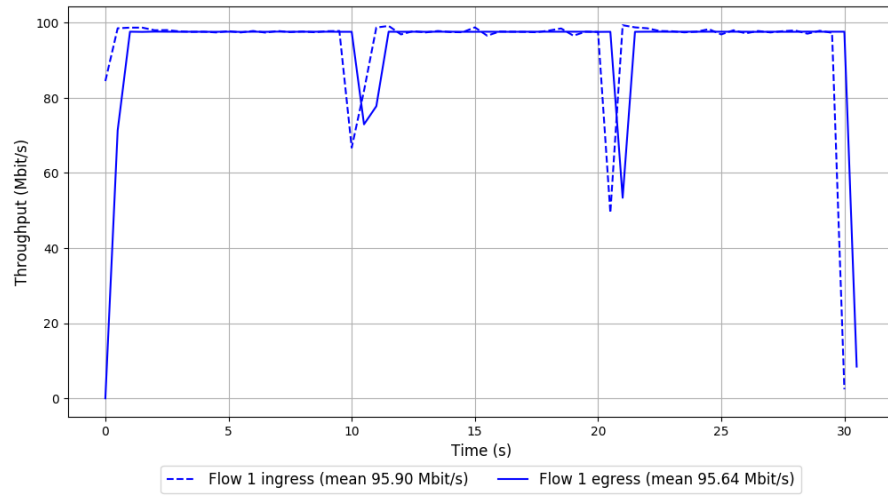
-- Flow 1:

Average throughput: 95.64 Mbit/s

95th percentile per-packet one-way delay: 36.088 ms

Loss rate: 0.19%

Run 2: Report of TCP BBR — Data Link



Run 3: Statistics of TCP BBR

Start at: 2019-09-18 01:05:36

End at: 2019-09-18 01:06:06

Local clock offset: 0.507 ms

Remote clock offset: 5.242 ms

Below is generated by plot.py at 2019-09-18 02:24:46

Datalink statistics

-- Total of 1 flow:

Average throughput: 95.64 Mbit/s

95th percentile per-packet one-way delay: 37.210 ms

Loss rate: 0.19%

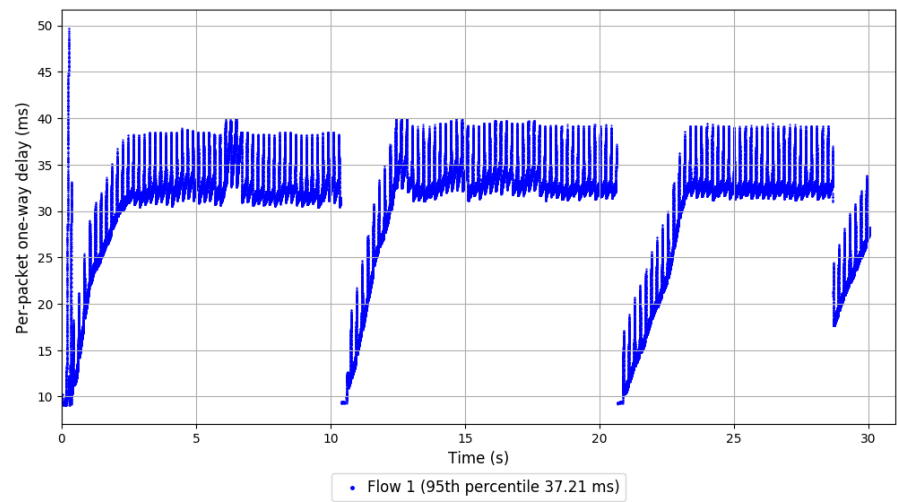
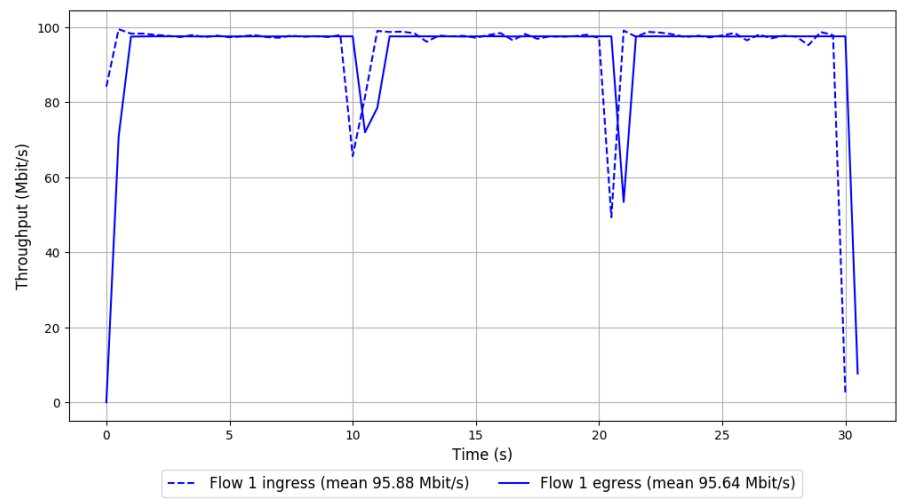
-- Flow 1:

Average throughput: 95.64 Mbit/s

95th percentile per-packet one-way delay: 37.210 ms

Loss rate: 0.19%

Run 3: Report of TCP BBR — Data Link



Run 4: Statistics of TCP BBR

Start at: 2019-09-18 01:33:47

End at: 2019-09-18 01:34:17

Local clock offset: -0.132 ms

Remote clock offset: 5.31 ms

Below is generated by plot.py at 2019-09-18 02:24:46

Datalink statistics

-- Total of 1 flow:

Average throughput: 95.65 Mbit/s

95th percentile per-packet one-way delay: 36.812 ms

Loss rate: 0.19%

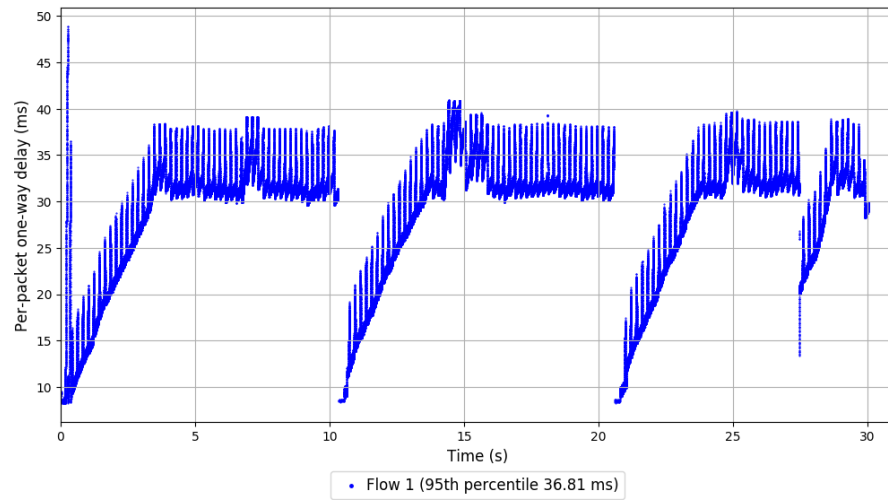
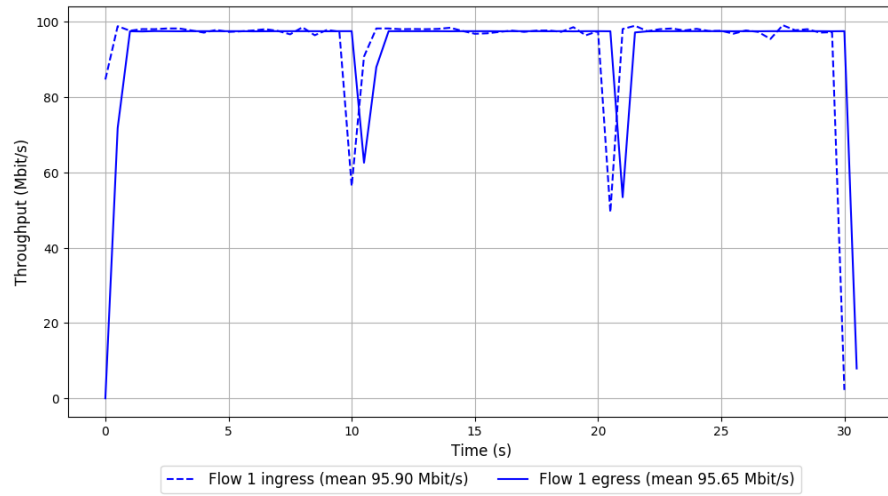
-- Flow 1:

Average throughput: 95.65 Mbit/s

95th percentile per-packet one-way delay: 36.812 ms

Loss rate: 0.19%

Run 4: Report of TCP BBR — Data Link



Run 5: Statistics of TCP BBR

Start at: 2019-09-18 02:02:27

End at: 2019-09-18 02:02:57

Local clock offset: 5.217 ms

Remote clock offset: 6.772 ms

Below is generated by plot.py at 2019-09-18 02:24:47

Datalink statistics

-- Total of 1 flow:

Average throughput: 95.64 Mbit/s

95th percentile per-packet one-way delay: 31.972 ms

Loss rate: 0.19%

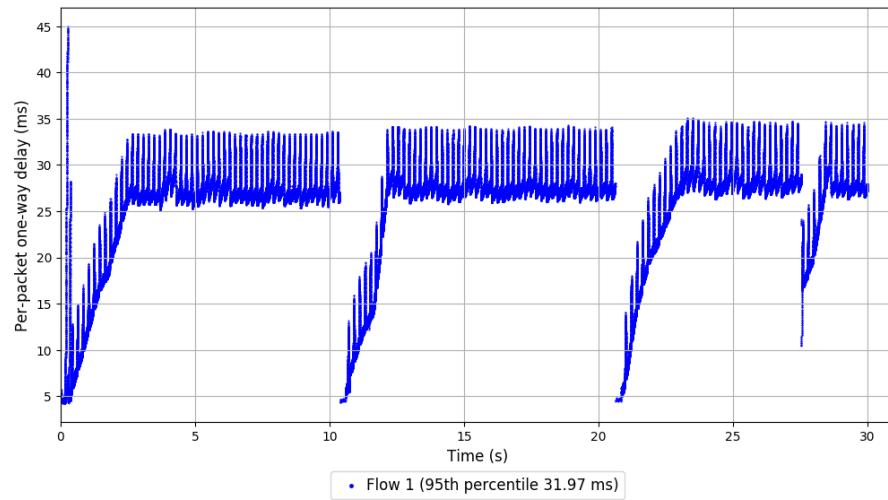
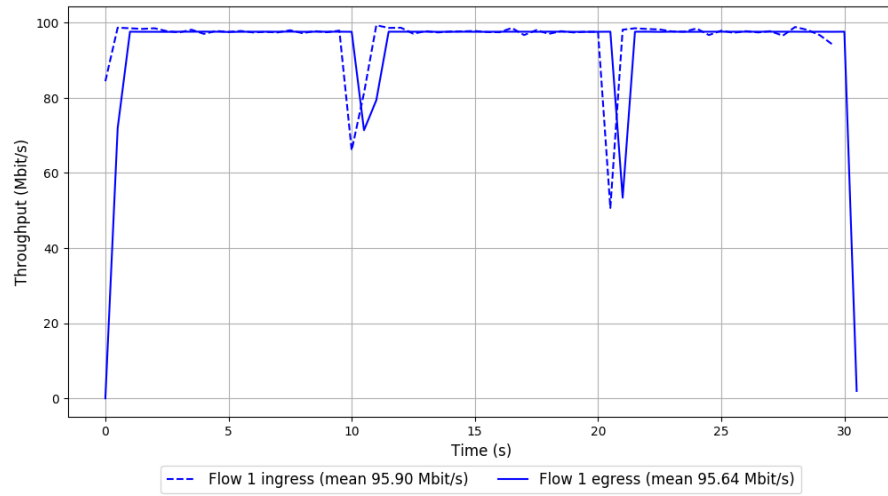
-- Flow 1:

Average throughput: 95.64 Mbit/s

95th percentile per-packet one-way delay: 31.972 ms

Loss rate: 0.19%

Run 5: Report of TCP BBR — Data Link



Run 1: Statistics of Copa

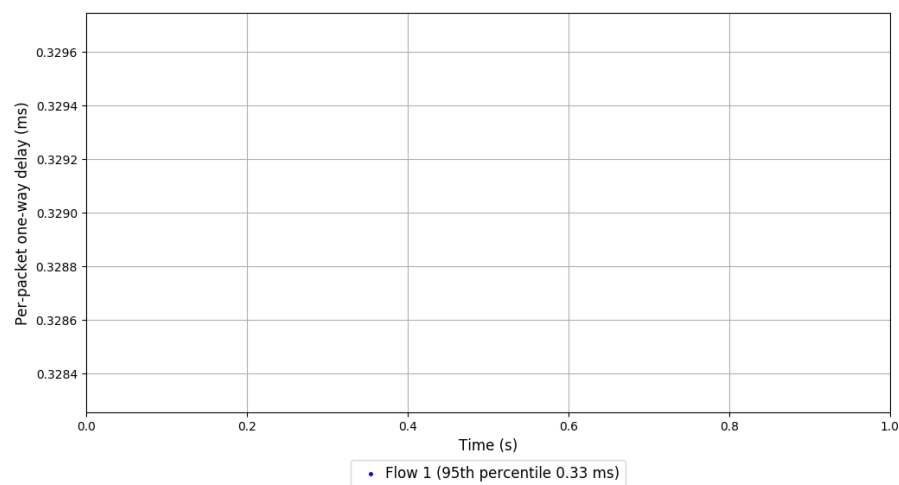
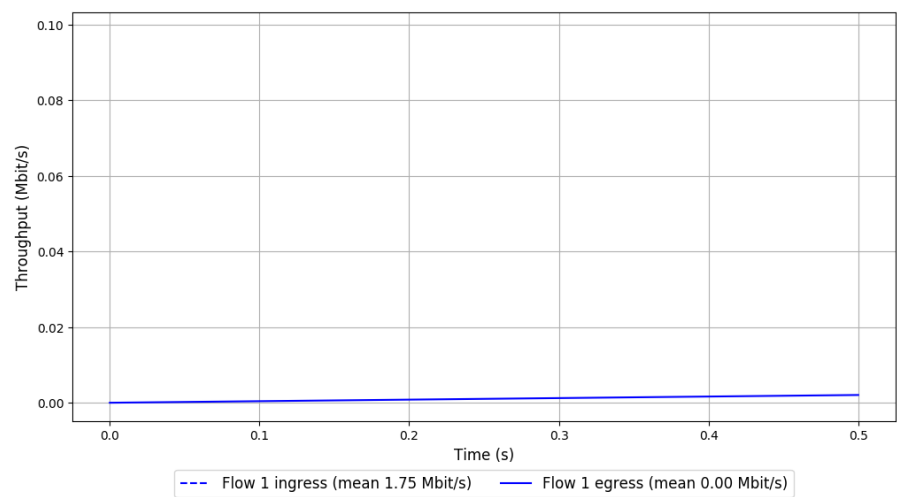
Start at: 2019-09-18 00:24:16

End at: 2019-09-18 00:24:46

Local clock offset: 1.626 ms

Remote clock offset: -2.912 ms

Run 1: Report of Copa — Data Link



Run 2: Statistics of Copa

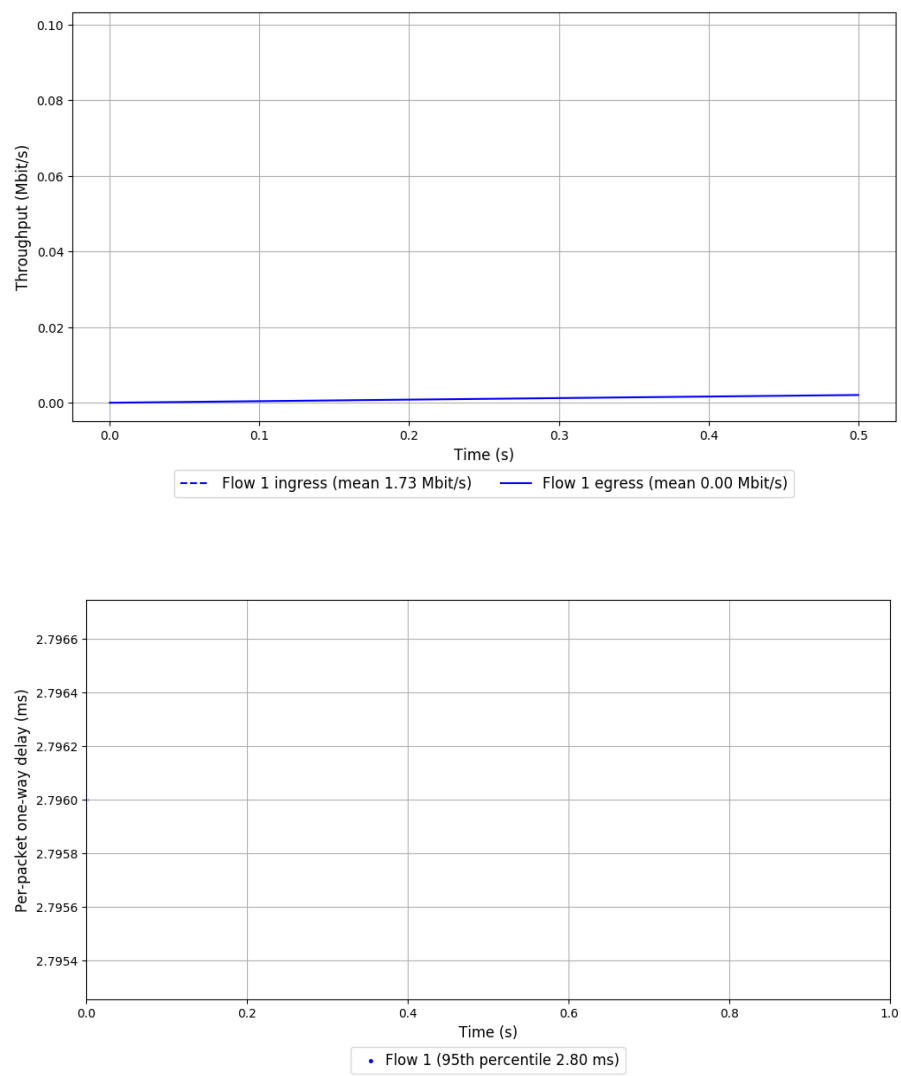
Start at: 2019-09-18 00:52:24

End at: 2019-09-18 00:52:54

Local clock offset: 6.312 ms

Remote clock offset: 3.807 ms

Run 2: Report of Copa — Data Link



Run 3: Statistics of Copa

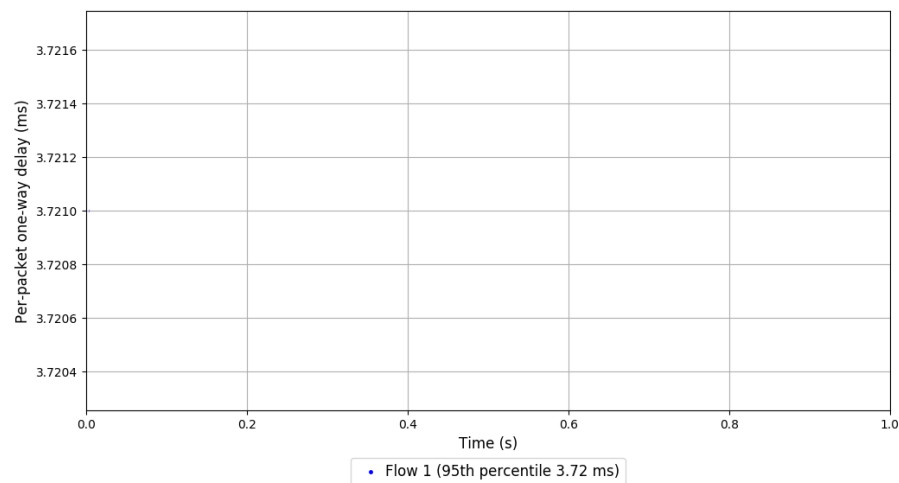
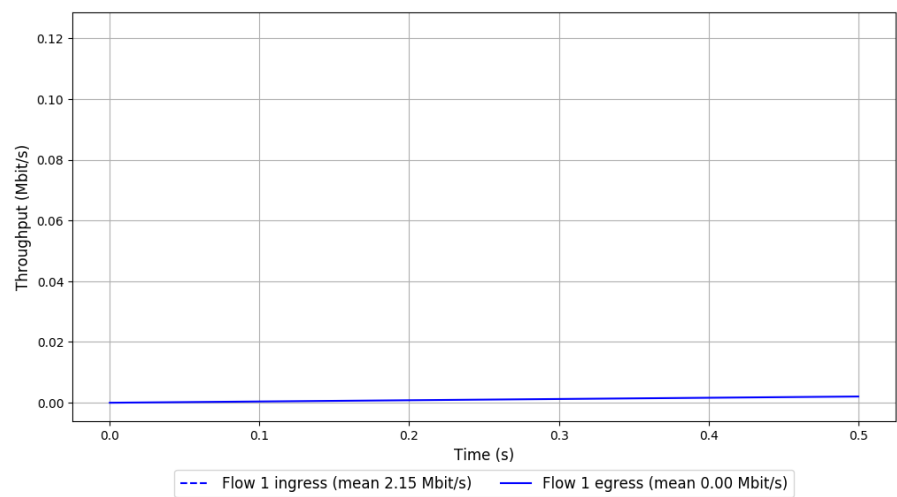
Start at: 2019-09-18 01:20:41

End at: 2019-09-18 01:21:11

Local clock offset: 4.779 ms

Remote clock offset: 5.01 ms

Run 3: Report of Copa — Data Link



Run 4: Statistics of Copa

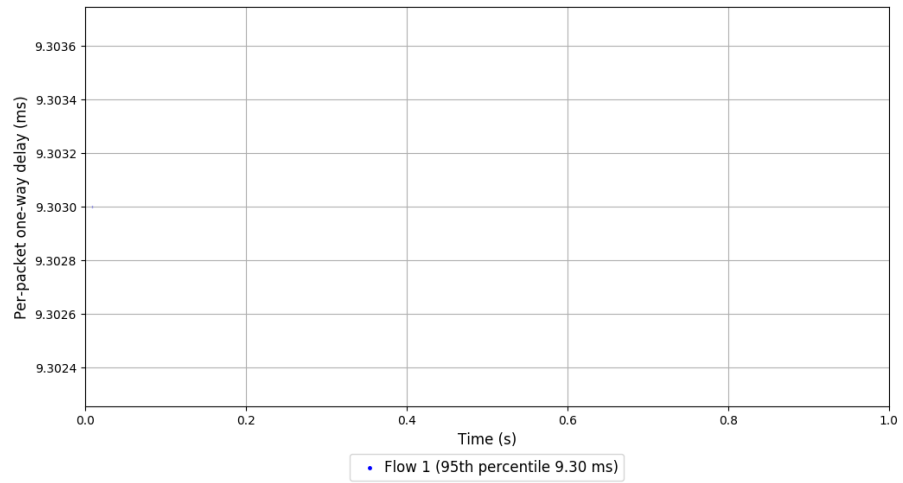
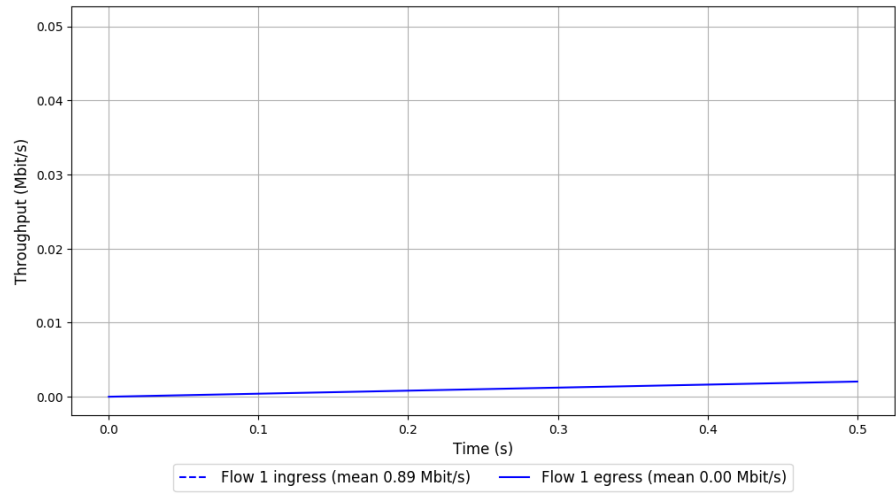
Start at: 2019-09-18 01:49:02

End at: 2019-09-18 01:49:33

Local clock offset: 0.004 ms

Remote clock offset: 6.589 ms

Run 4: Report of Copa — Data Link



Run 5: Statistics of Copa

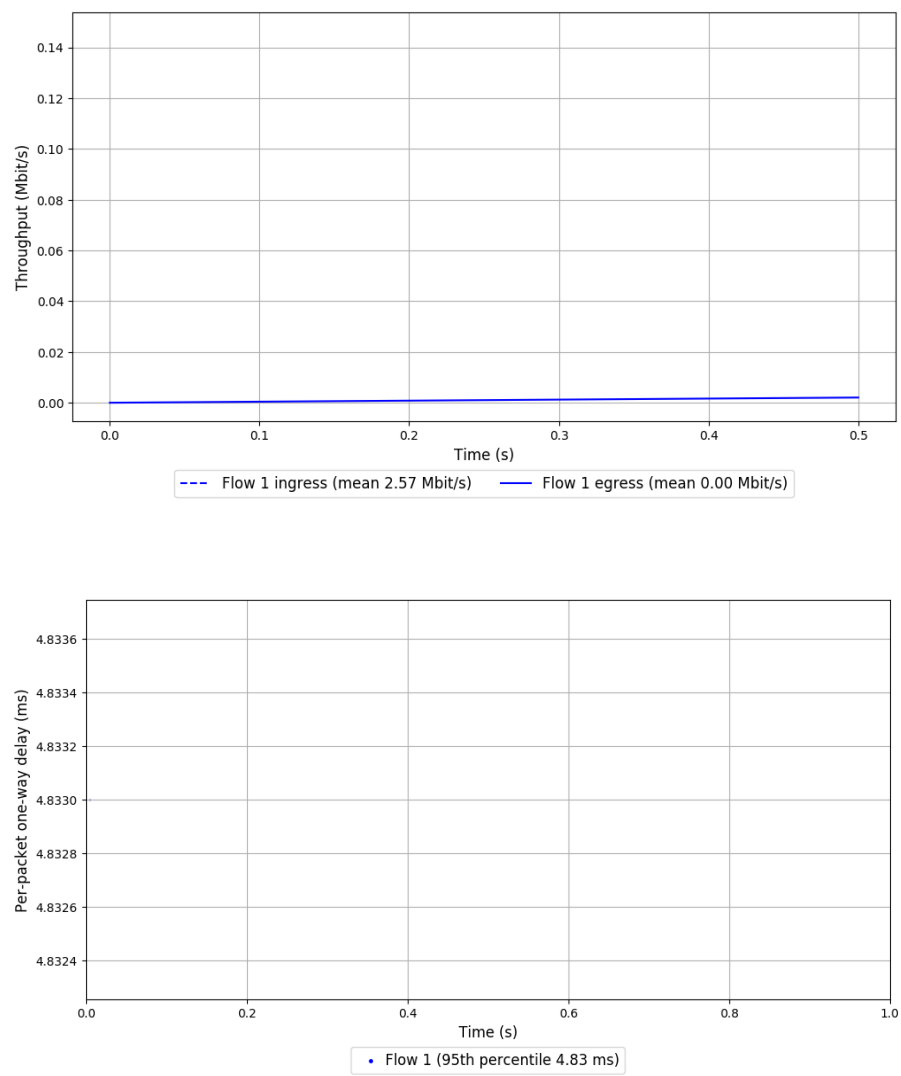
Start at: 2019-09-18 02:17:34

End at: 2019-09-18 02:18:04

Local clock offset: 6.361 ms

Remote clock offset: 7.279 ms

Run 5: Report of Copa — Data Link



Run 1: Statistics of TCP Cubic

Start at: 2019-09-18 00:14:59

End at: 2019-09-18 00:15:29

Local clock offset: 1.526 ms

Remote clock offset: 5.49 ms

Below is generated by plot.py at 2019-09-18 02:24:47

Datalink statistics

-- Total of 1 flow:

Average throughput: 95.66 Mbit/s

95th percentile per-packet one-way delay: 47.881 ms

Loss rate: 0.44%

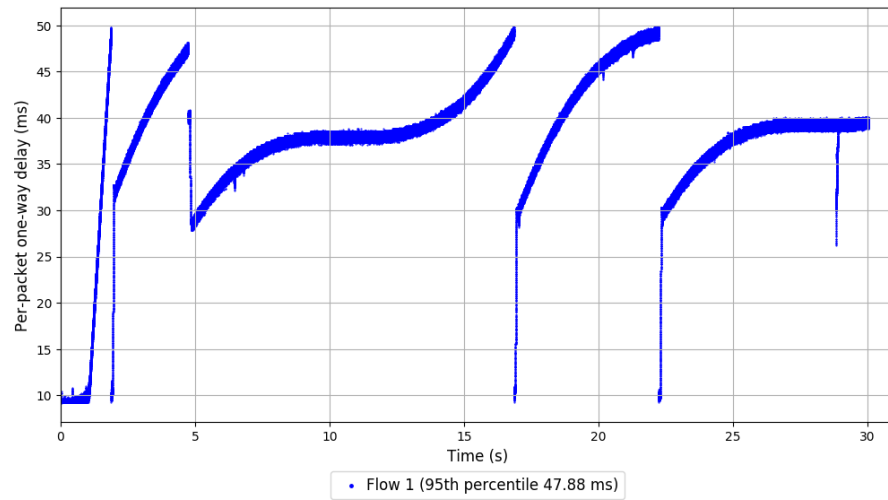
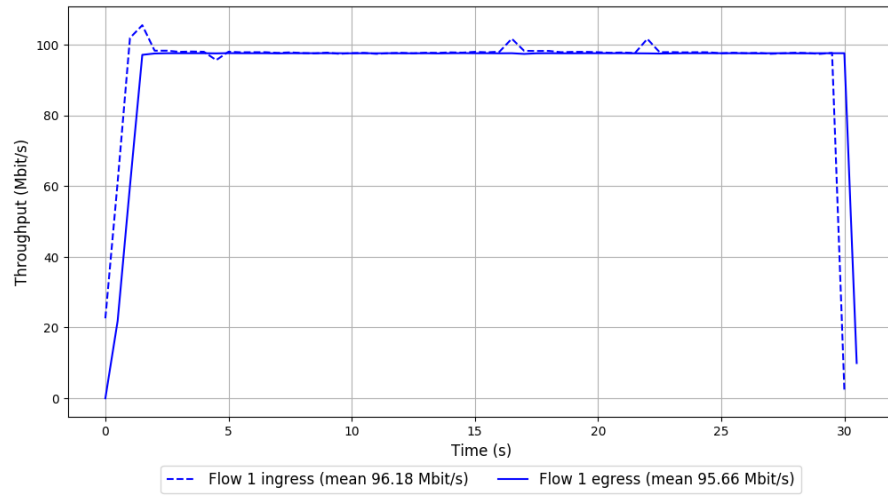
-- Flow 1:

Average throughput: 95.66 Mbit/s

95th percentile per-packet one-way delay: 47.881 ms

Loss rate: 0.44%

Run 1: Report of TCP Cubic — Data Link



Run 2: Statistics of TCP Cubic

Start at: 2019-09-18 00:42:53

End at: 2019-09-18 00:43:23

Local clock offset: 1.942 ms

Remote clock offset: 5.997 ms

Below is generated by plot.py at 2019-09-18 02:24:48

Datalink statistics

-- Total of 1 flow:

Average throughput: 95.68 Mbit/s

95th percentile per-packet one-way delay: 48.007 ms

Loss rate: 0.34%

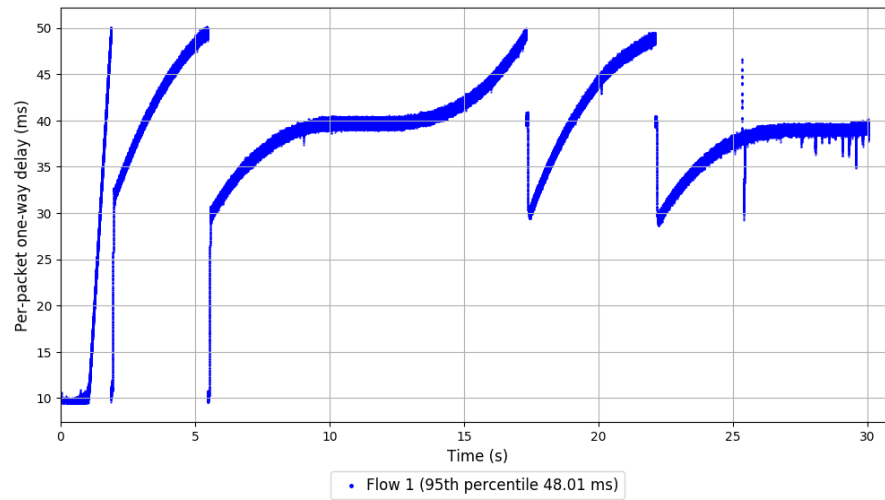
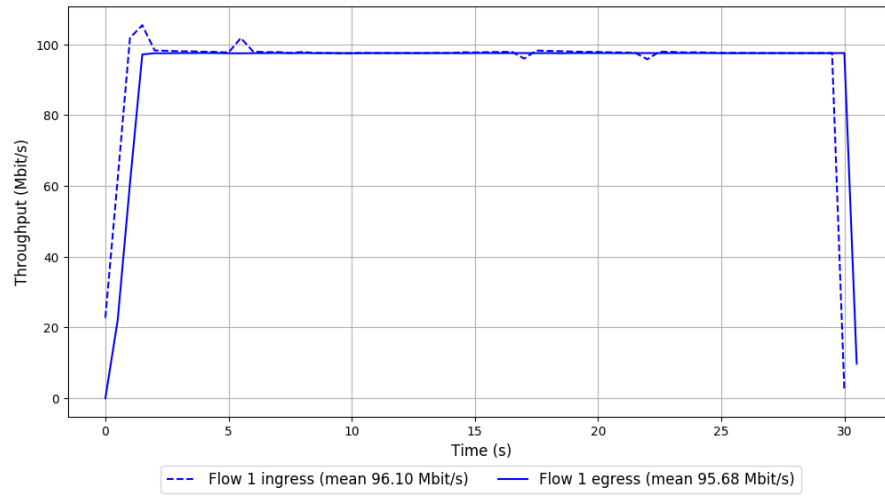
-- Flow 1:

Average throughput: 95.68 Mbit/s

95th percentile per-packet one-way delay: 48.007 ms

Loss rate: 0.34%

Run 2: Report of TCP Cubic — Data Link



Run 3: Statistics of TCP Cubic

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

End at: 2019-09-18 01:11:48

Local clock offset: 5.262 ms

Remote clock offset: 5.924 ms

Below is generated by plot.py at 2019-09-18 02:24:48

Datalink statistics

-- Total of 1 flow:

Average throughput: 96.39 Mbit/s

95th percentile per-packet one-way delay: 43.444 ms

Loss rate: 0.44%

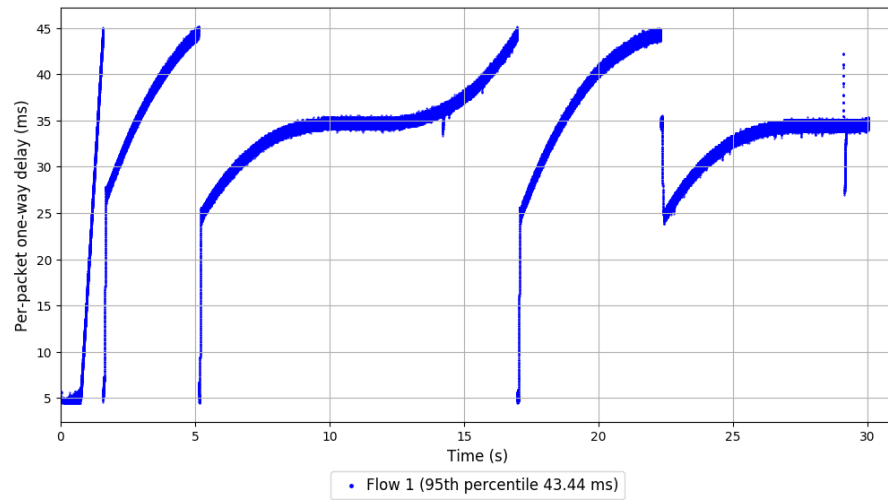
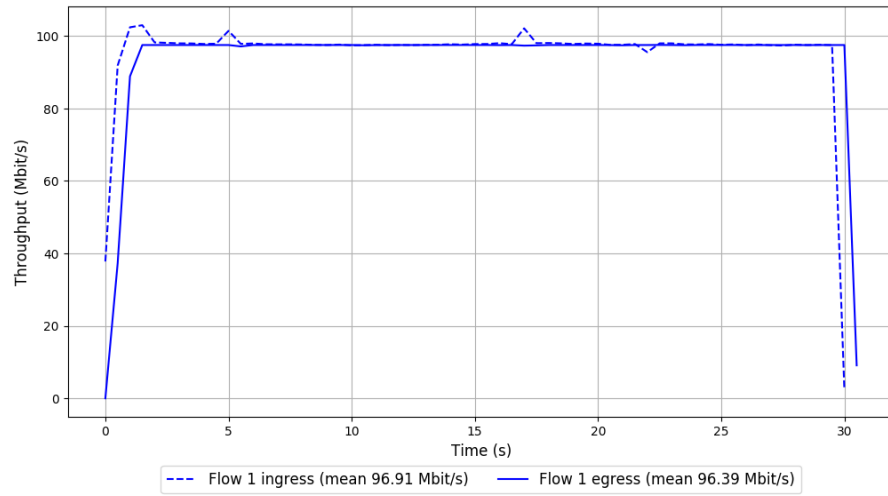
-- Flow 1:

Average throughput: 96.39 Mbit/s

95th percentile per-packet one-way delay: 43.444 ms

Loss rate: 0.44%

Run 3: Report of TCP Cubic — Data Link



Run 4: Statistics of TCP Cubic

Start at: 2019-09-18 01:39:32

End at: 2019-09-18 01:40:02

Local clock offset: 4.151 ms

Remote clock offset: 6.81 ms

Below is generated by plot.py at 2019-09-18 02:25:58

Datalink statistics

-- Total of 1 flow:

Average throughput: 95.59 Mbit/s

95th percentile per-packet one-way delay: 44.368 ms

Loss rate: 0.45%

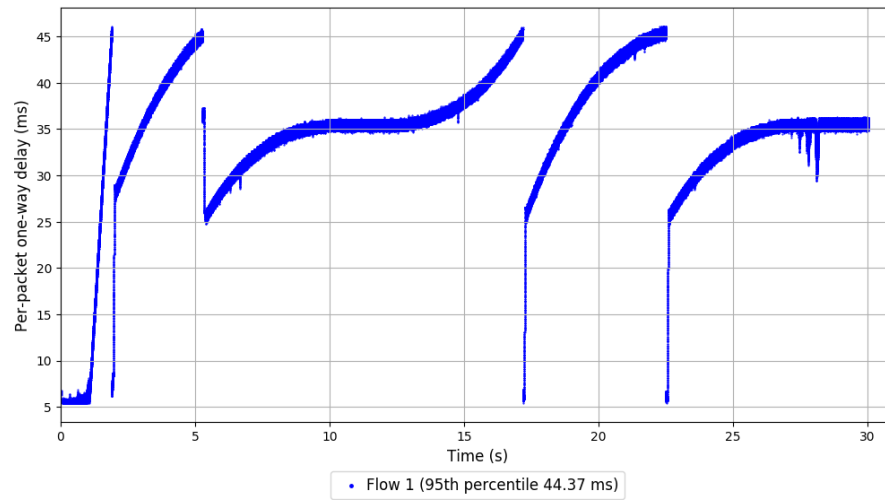
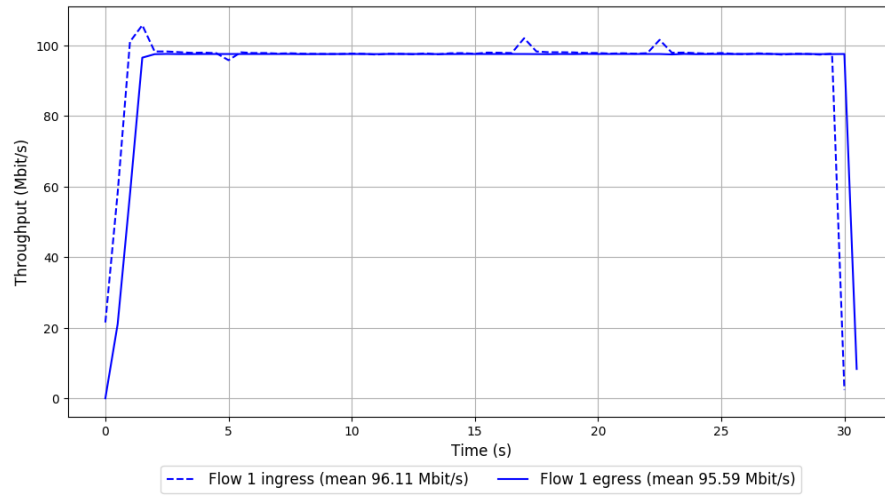
-- Flow 1:

Average throughput: 95.59 Mbit/s

95th percentile per-packet one-way delay: 44.368 ms

Loss rate: 0.45%

Run 4: Report of TCP Cubic — Data Link



Run 5: Statistics of TCP Cubic

Start at: 2019-09-18 02:08:14

End at: 2019-09-18 02:08:44

Local clock offset: 5.717 ms

Remote clock offset: 7.383 ms

Below is generated by plot.py at 2019-09-18 02:25:59

Datalink statistics

-- Total of 1 flow:

Average throughput: 95.68 Mbit/s

95th percentile per-packet one-way delay: 42.532 ms

Loss rate: 0.31%

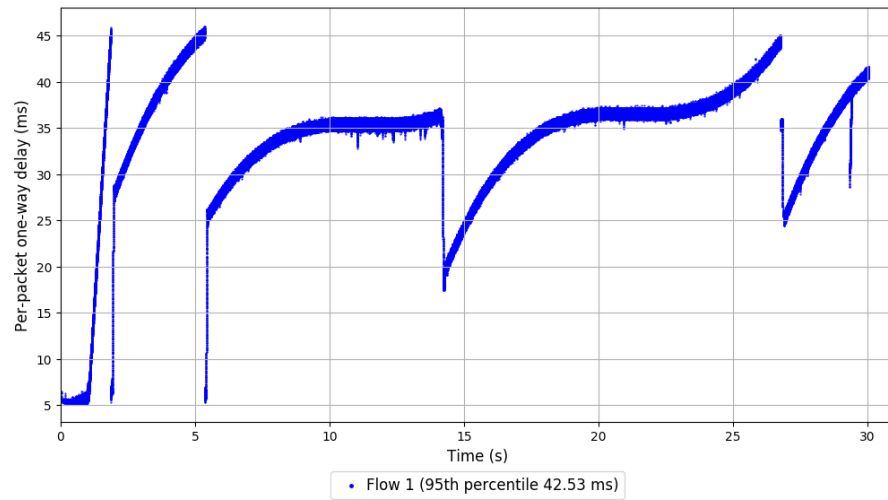
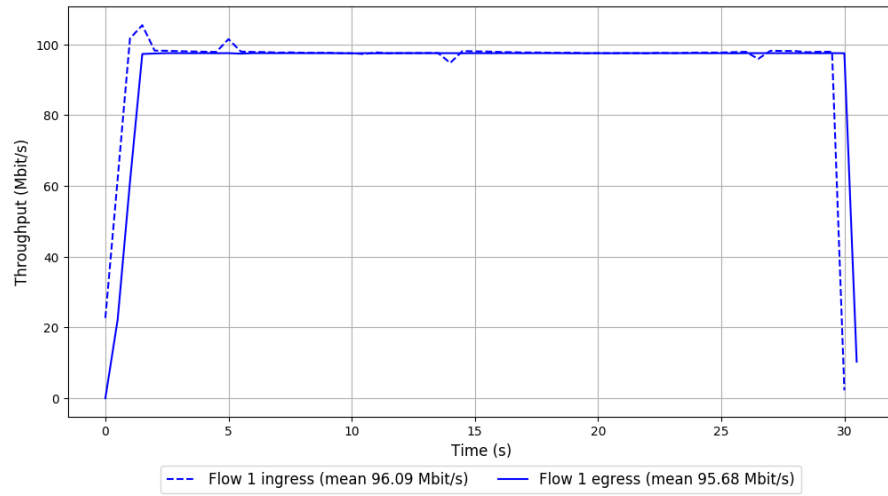
-- Flow 1:

Average throughput: 95.68 Mbit/s

95th percentile per-packet one-way delay: 42.532 ms

Loss rate: 0.31%

Run 5: Report of TCP Cubic — Data Link



Run 1: Statistics of FillP

Start at: 2019-09-18 00:10:31

End at: 2019-09-18 00:11:01

Local clock offset: 1.23 ms

Remote clock offset: 4.857 ms

Below is generated by plot.py at 2019-09-18 02:26:09

Datalink statistics

-- Total of 1 flow:

Average throughput: 96.35 Mbit/s

95th percentile per-packet one-way delay: 22.622 ms

Loss rate: 0.38%

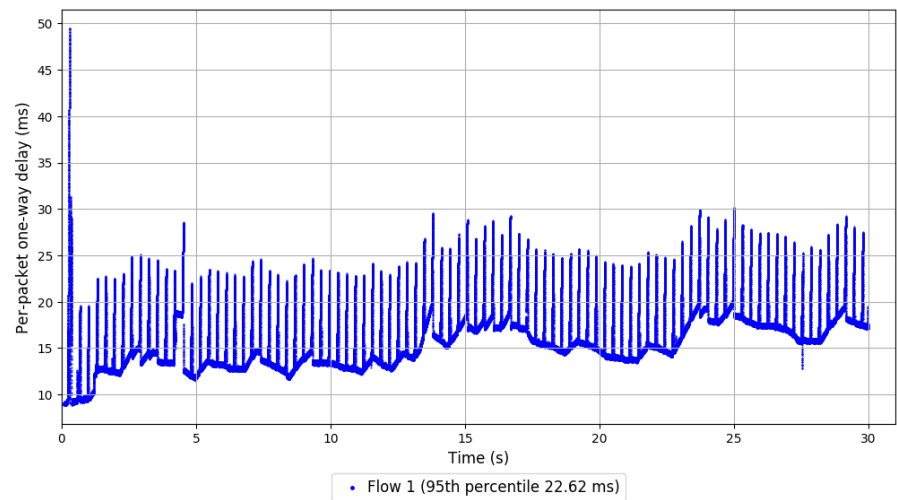
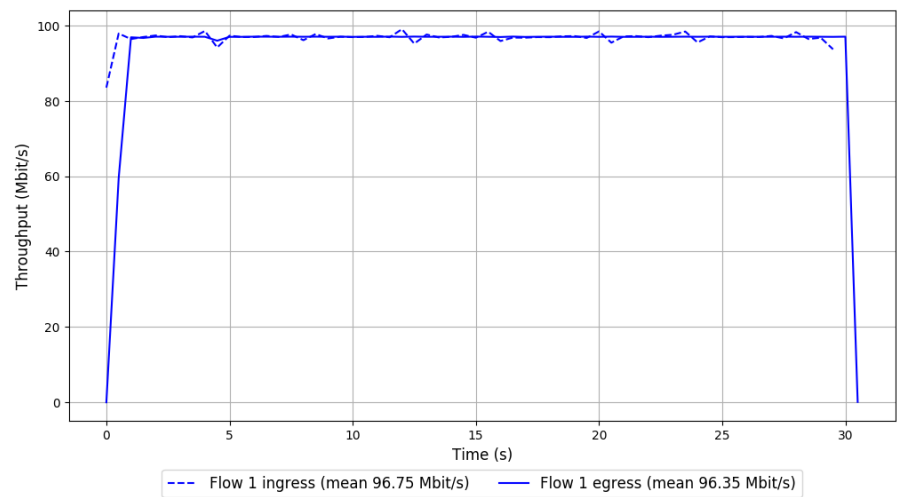
-- Flow 1:

Average throughput: 96.35 Mbit/s

95th percentile per-packet one-way delay: 22.622 ms

Loss rate: 0.38%

Run 1: Report of FillP — Data Link



Run 2: Statistics of FillP

Start at: 2019-09-18 00:38:25

End at: 2019-09-18 00:38:55

Local clock offset: 1.456 ms

Remote clock offset: 5.164 ms

Below is generated by plot.py at 2019-09-18 02:26:10

Datalink statistics

-- Total of 1 flow:

Average throughput: 96.35 Mbit/s

95th percentile per-packet one-way delay: 24.987 ms

Loss rate: 0.36%

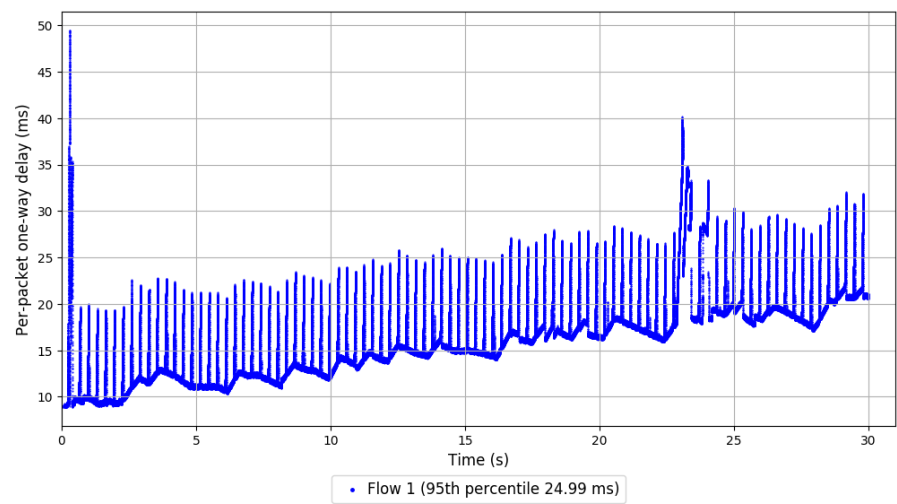
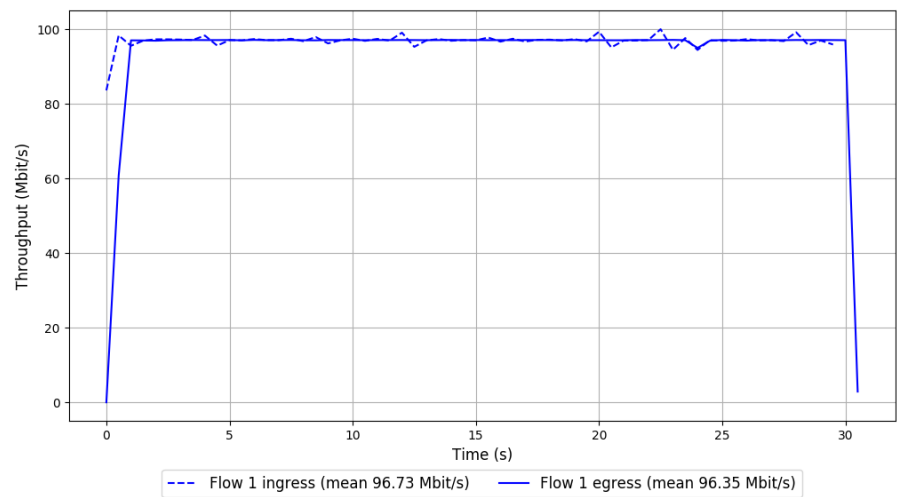
-- Flow 1:

Average throughput: 96.35 Mbit/s

95th percentile per-packet one-way delay: 24.987 ms

Loss rate: 0.36%

Run 2: Report of FillP — Data Link



Run 3: Statistics of FillP

Start at: 2019-09-18 01:06:50

End at: 2019-09-18 01:07:20

Local clock offset: 5.183 ms

Remote clock offset: 5.876 ms

Below is generated by plot.py at 2019-09-18 02:26:11

Datalink statistics

-- Total of 1 flow:

Average throughput: 96.31 Mbit/s

95th percentile per-packet one-way delay: 18.817 ms

Loss rate: 0.37%

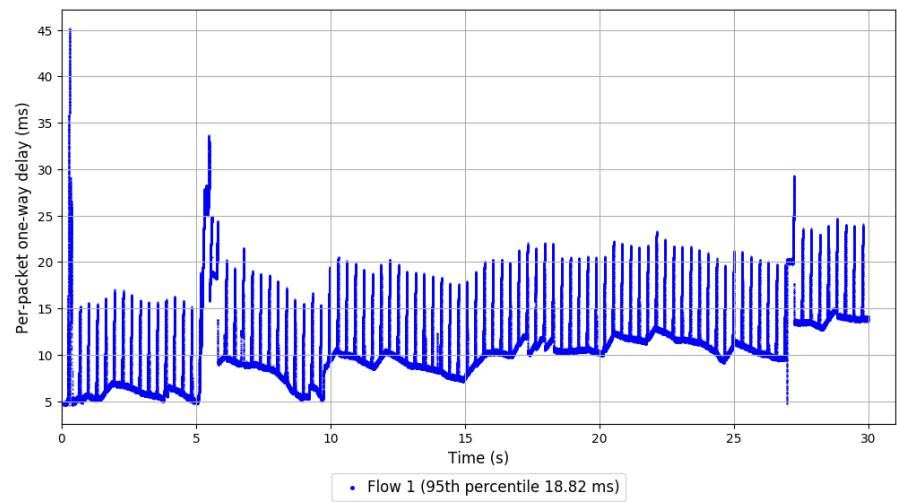
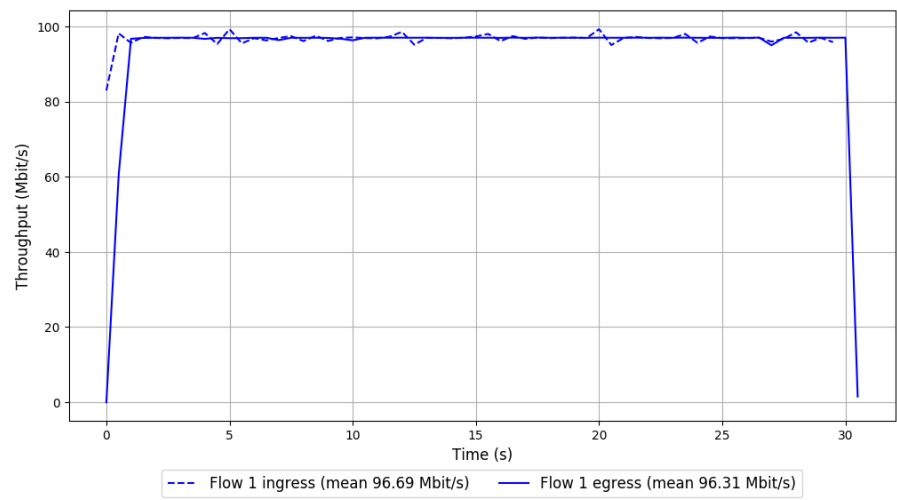
-- Flow 1:

Average throughput: 96.31 Mbit/s

95th percentile per-packet one-way delay: 18.817 ms

Loss rate: 0.37%

Run 3: Report of FillP — Data Link



Run 4: Statistics of FillP

Start at: 2019-09-18 01:35:02

End at: 2019-09-18 01:35:32

Local clock offset: 0.17 ms

Remote clock offset: 5.899 ms

Below is generated by plot.py at 2019-09-18 02:26:11

Datalink statistics

-- Total of 1 flow:

Average throughput: 96.34 Mbit/s

95th percentile per-packet one-way delay: 22.002 ms

Loss rate: 0.36%

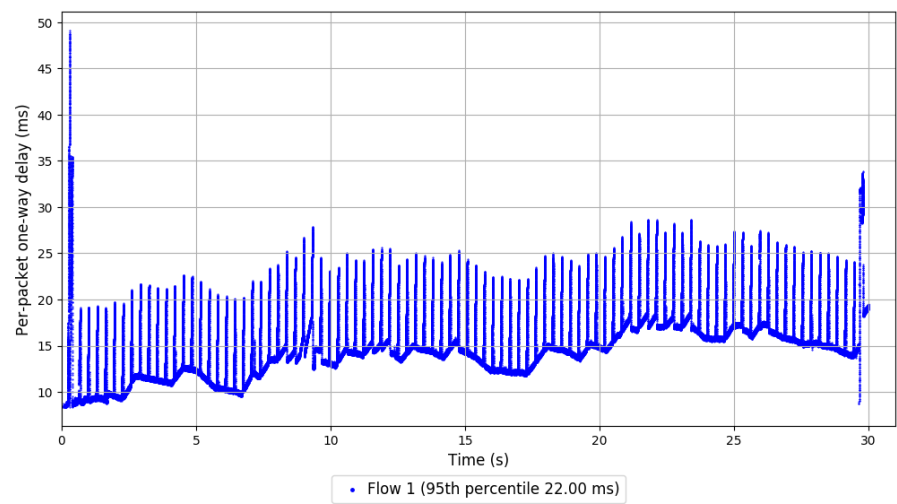
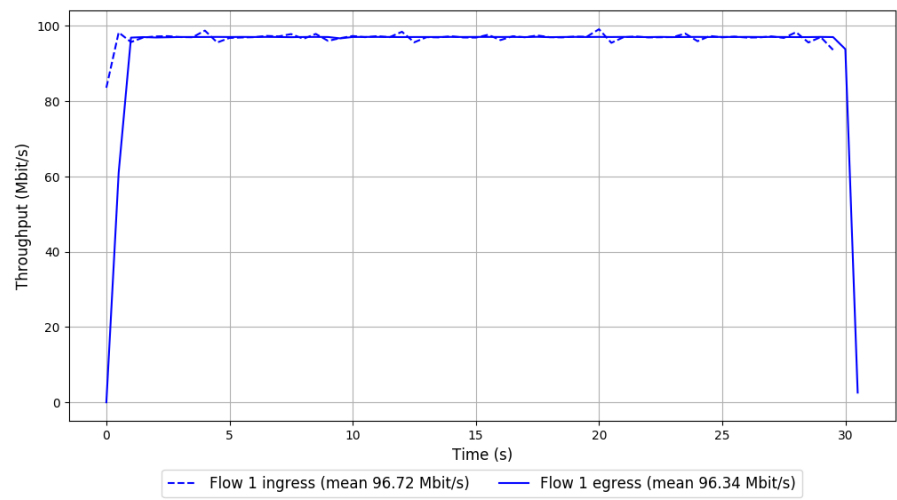
-- Flow 1:

Average throughput: 96.34 Mbit/s

95th percentile per-packet one-way delay: 22.002 ms

Loss rate: 0.36%

Run 4: Report of FillP — Data Link



Run 5: Statistics of FillP

Start at: 2019-09-18 02:03:44

End at: 2019-09-18 02:04:14

Local clock offset: -0.316 ms

Remote clock offset: 6.701 ms

Below is generated by plot.py at 2019-09-18 02:26:12

Datalink statistics

-- Total of 1 flow:

Average throughput: 96.32 Mbit/s

95th percentile per-packet one-way delay: 25.837 ms

Loss rate: 0.37%

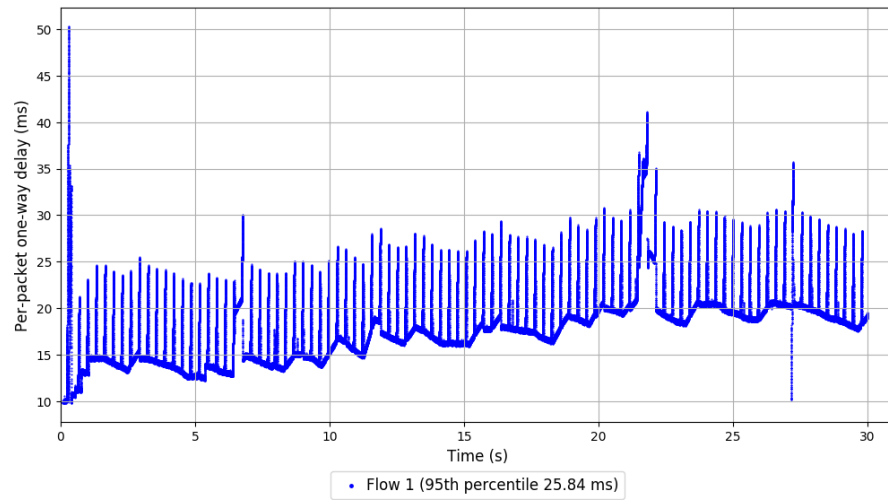
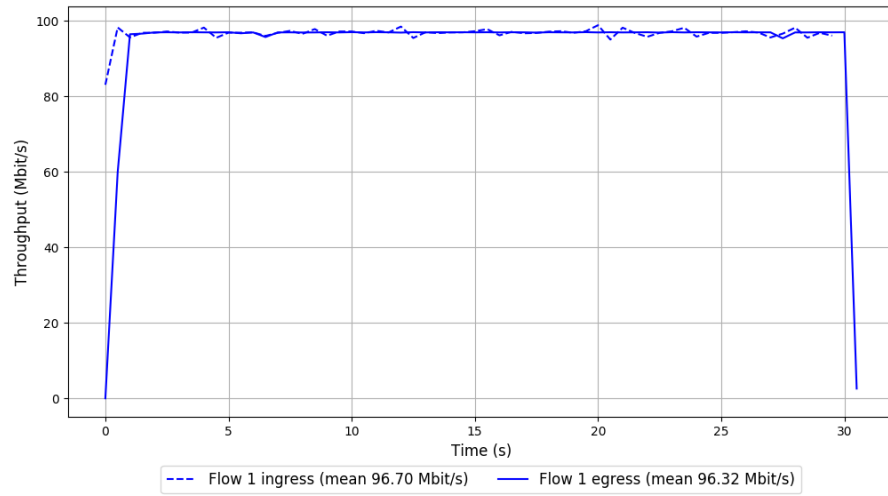
-- Flow 1:

Average throughput: 96.32 Mbit/s

95th percentile per-packet one-way delay: 25.837 ms

Loss rate: 0.37%

Run 5: Report of FillP — Data Link



Run 1: Statistics of FillP-Sheep

Start at: 2019-09-18 00:26:34

End at: 2019-09-18 00:27:04

Local clock offset: 6.021 ms

Remote clock offset: 5.829 ms

Below is generated by plot.py at 2019-09-18 02:26:12

Datalink statistics

-- Total of 1 flow:

Average throughput: 94.49 Mbit/s

95th percentile per-packet one-way delay: 9.685 ms

Loss rate: 0.28%

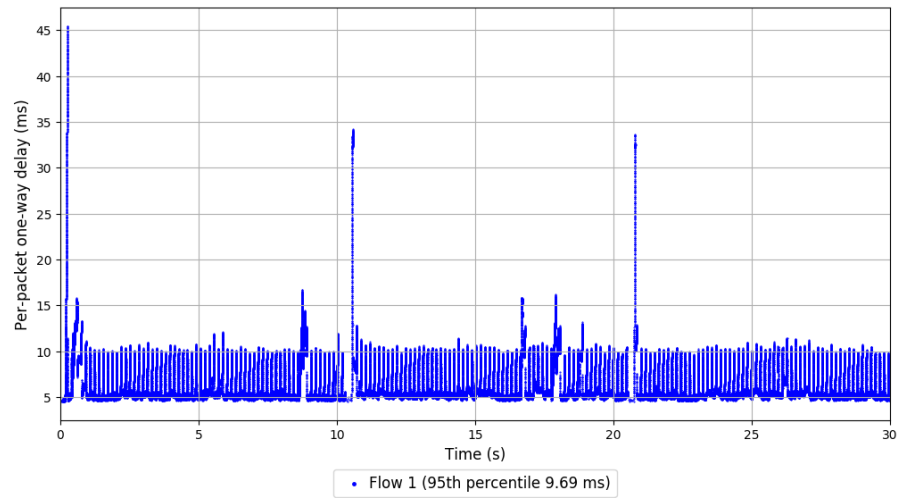
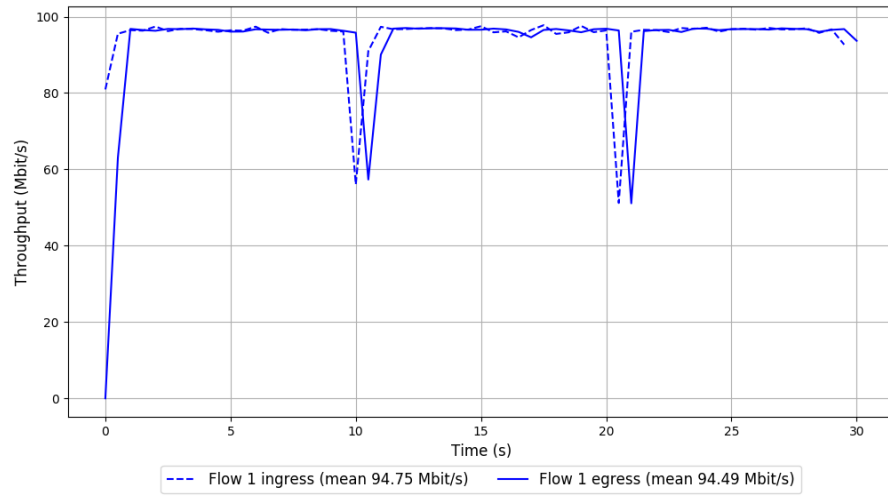
-- Flow 1:

Average throughput: 94.49 Mbit/s

95th percentile per-packet one-way delay: 9.685 ms

Loss rate: 0.28%

Run 1: Report of FillP-Sheep — Data Link



Run 2: Statistics of FillP-Sheep

Start at: 2019-09-18 00:54:42

End at: 2019-09-18 00:55:12

Local clock offset: 6.026 ms

Remote clock offset: 5.062 ms

Below is generated by plot.py at 2019-09-18 02:27:20

Datalink statistics

-- Total of 1 flow:

Average throughput: 94.64 Mbit/s

95th percentile per-packet one-way delay: 9.545 ms

Loss rate: 0.28%

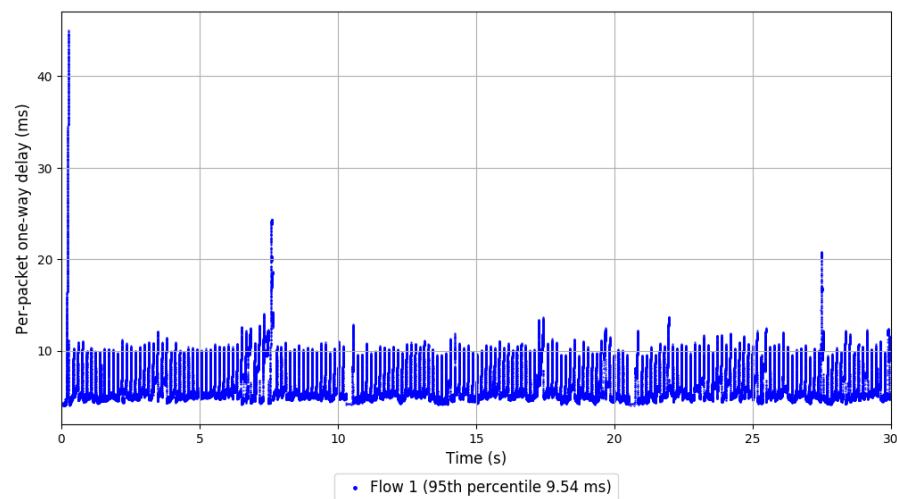
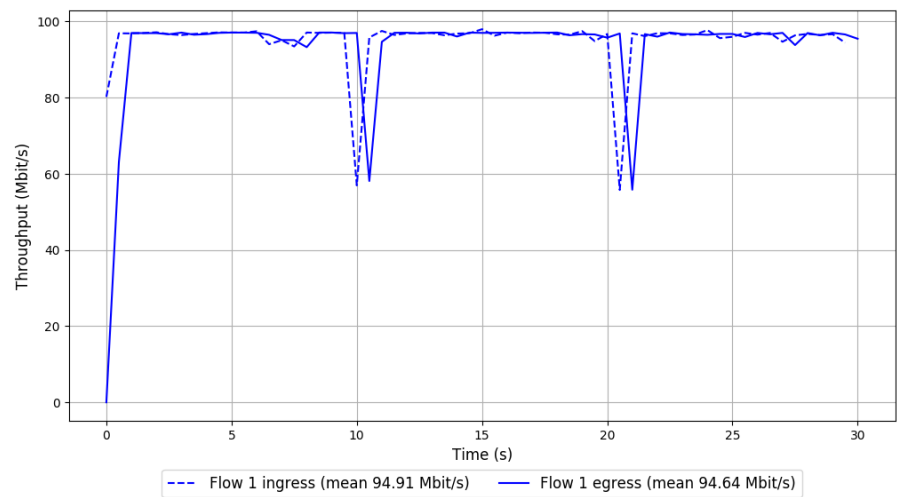
-- Flow 1:

Average throughput: 94.64 Mbit/s

95th percentile per-packet one-way delay: 9.545 ms

Loss rate: 0.28%

Run 2: Report of FillP-Sheep — Data Link



Run 3: Statistics of FillP-Sheep

Start at: 2019-09-18 01:22:56

End at: 2019-09-18 01:23:26

Local clock offset: -0.371 ms

Remote clock offset: 5.512 ms

Below is generated by plot.py at 2019-09-18 02:27:21

Datalink statistics

-- Total of 1 flow:

Average throughput: 94.66 Mbit/s

95th percentile per-packet one-way delay: 14.411 ms

Loss rate: 0.27%

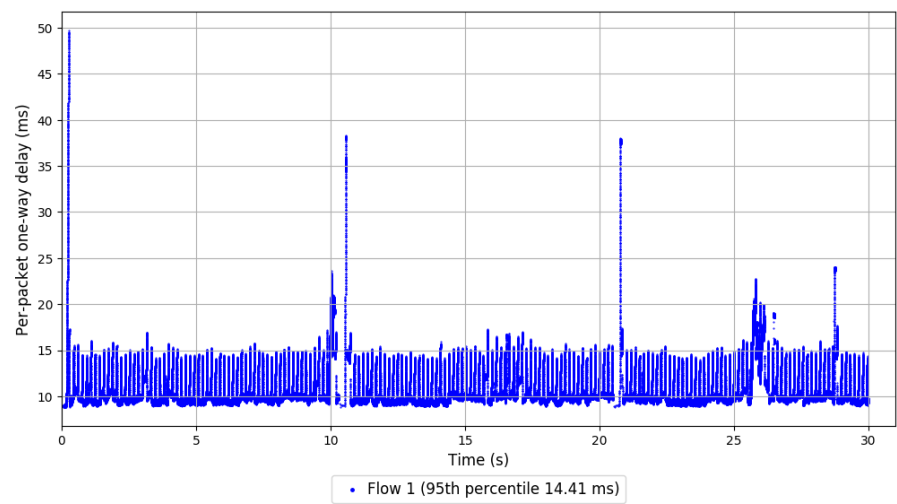
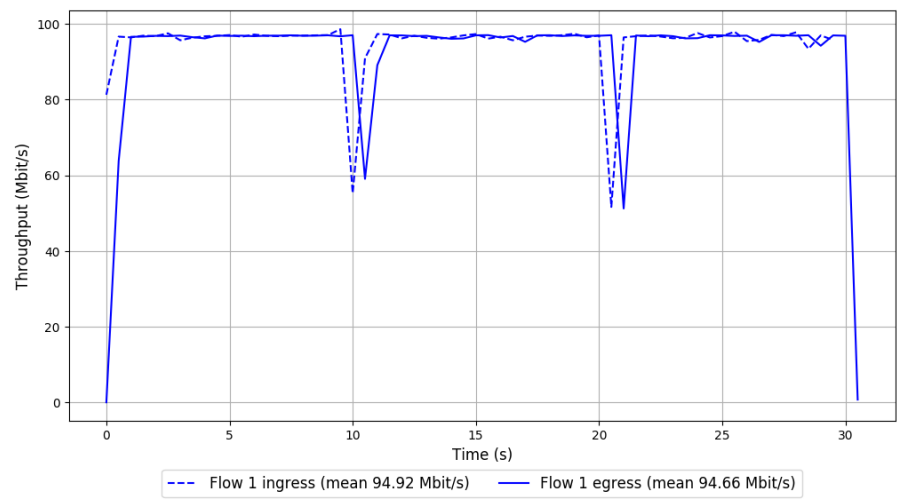
-- Flow 1:

Average throughput: 94.66 Mbit/s

95th percentile per-packet one-way delay: 14.411 ms

Loss rate: 0.27%

Run 3: Report of FillP-Sheep — Data Link



Run 4: Statistics of FillP-Sheep

Start at: 2019-09-18 01:51:25

End at: 2019-09-18 01:51:55

Local clock offset: 0.057 ms

Remote clock offset: 7.119 ms

Below is generated by plot.py at 2019-09-18 02:27:32

Datalink statistics

-- Total of 1 flow:

Average throughput: 94.54 Mbit/s

95th percentile per-packet one-way delay: 14.269 ms

Loss rate: 0.28%

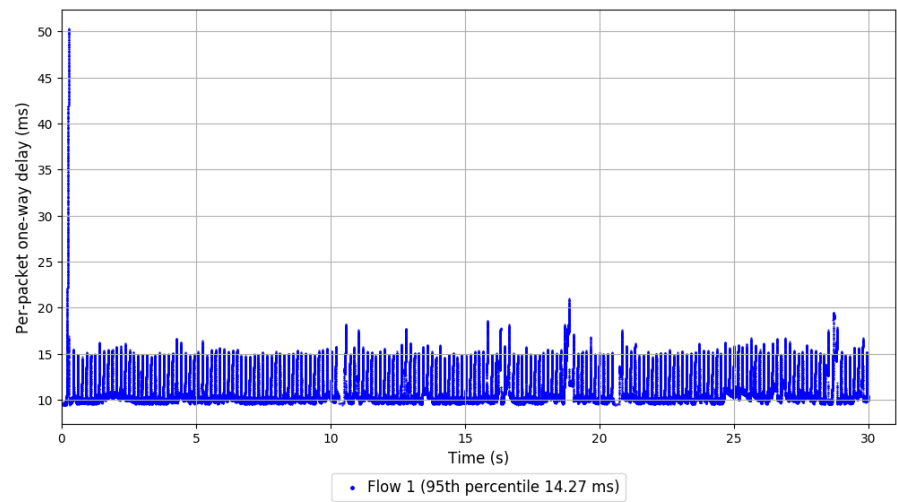
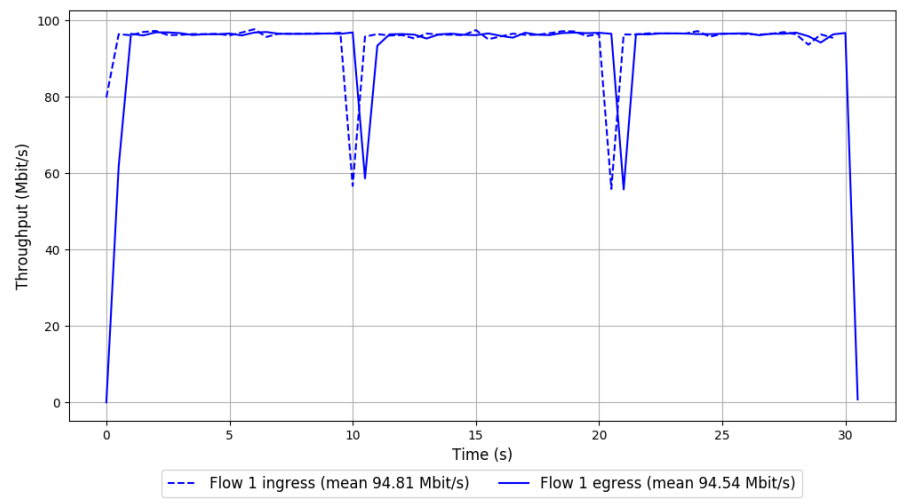
-- Flow 1:

Average throughput: 94.54 Mbit/s

95th percentile per-packet one-way delay: 14.269 ms

Loss rate: 0.28%

Run 4: Report of FillP-Sheep — Data Link



Run 5: Statistics of FillP-Sheep

Start at: 2019-09-18 02:19:52

End at: 2019-09-18 02:20:22

Local clock offset: 2.558 ms

Remote clock offset: 7.365 ms

Below is generated by plot.py at 2019-09-18 02:27:33

Datalink statistics

-- Total of 1 flow:

Average throughput: 94.33 Mbit/s

95th percentile per-packet one-way delay: 13.505 ms

Loss rate: 0.27%

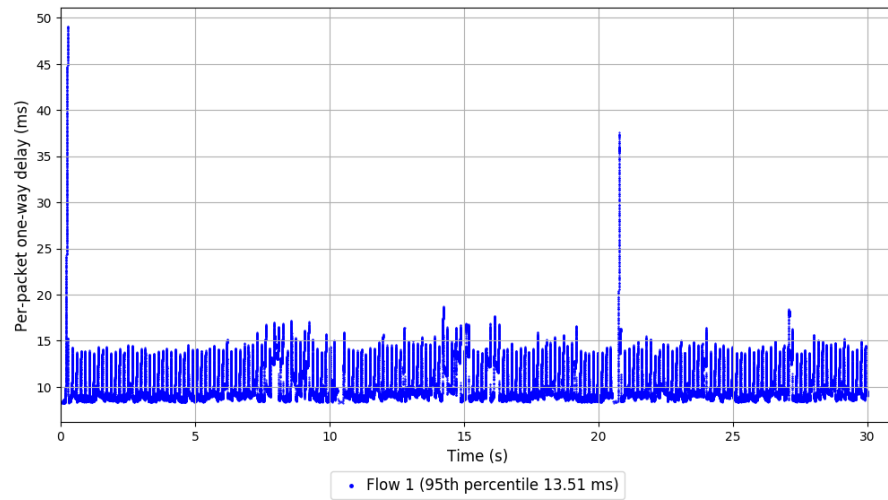
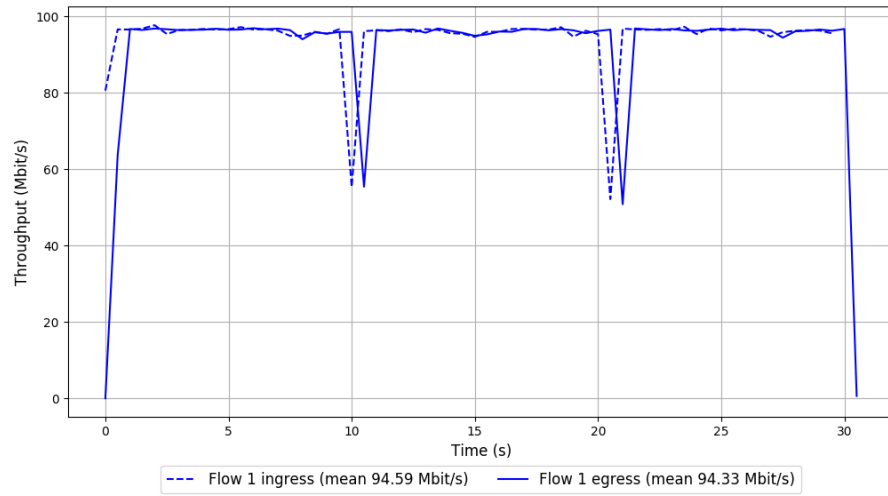
-- Flow 1:

Average throughput: 94.33 Mbit/s

95th percentile per-packet one-way delay: 13.505 ms

Loss rate: 0.27%

Run 5: Report of FillP-Sheep — Data Link

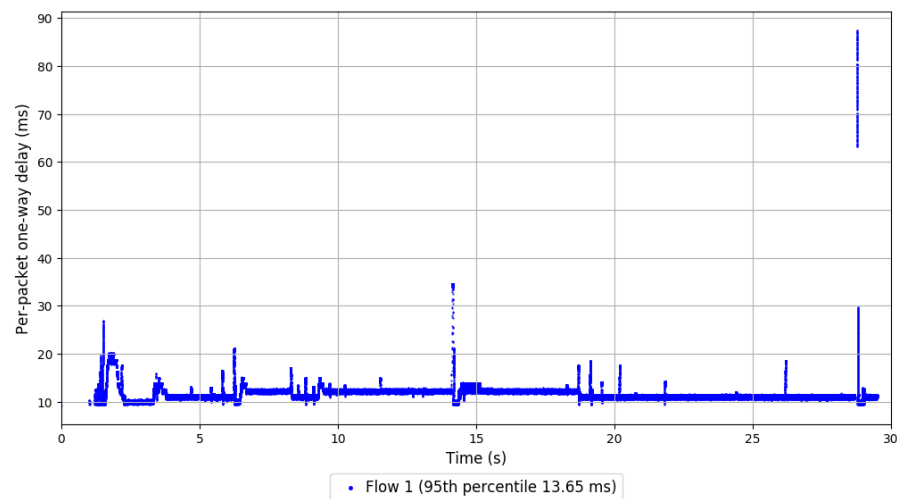
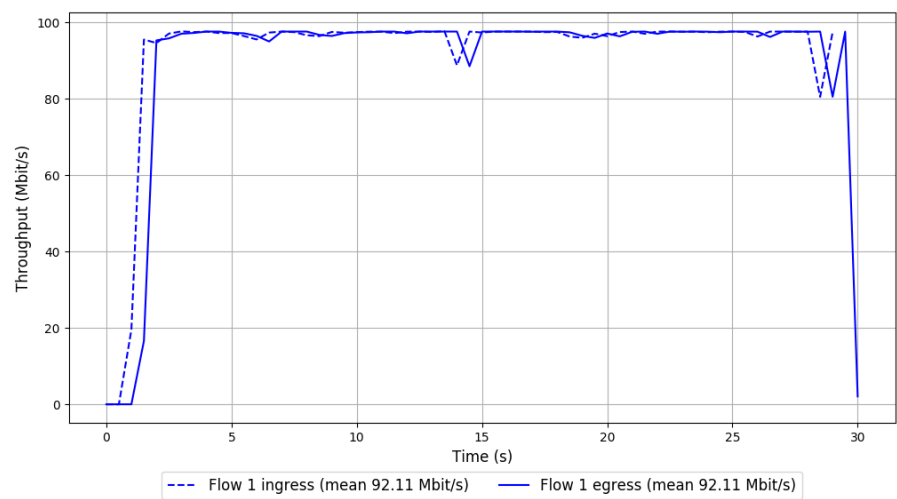


```
Run 1: Statistics of Indigo

Start at: 2019-09-18 00:02:11
End at: 2019-09-18 00:02:41
Local clock offset: 1.914 ms
Remote clock offset: 5.689 ms

# Below is generated by plot.py at 2019-09-18 02:27:33
# Datalink statistics
-- Total of 1 flow:
Average throughput: 92.11 Mbit/s
95th percentile per-packet one-way delay: 13.652 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 92.11 Mbit/s
95th percentile per-packet one-way delay: 13.652 ms
Loss rate: 0.00%
```

Run 1: Report of Indigo — Data Link



Run 2: Statistics of Indigo

Start at: 2019-09-18 00:30:10

End at: 2019-09-18 00:30:40

Local clock offset: 5.787 ms

Remote clock offset: 5.8 ms

Below is generated by plot.py at 2019-09-18 02:27:33

Datalink statistics

-- Total of 1 flow:

Average throughput: 96.70 Mbit/s

95th percentile per-packet one-way delay: 6.904 ms

Loss rate: 0.00%

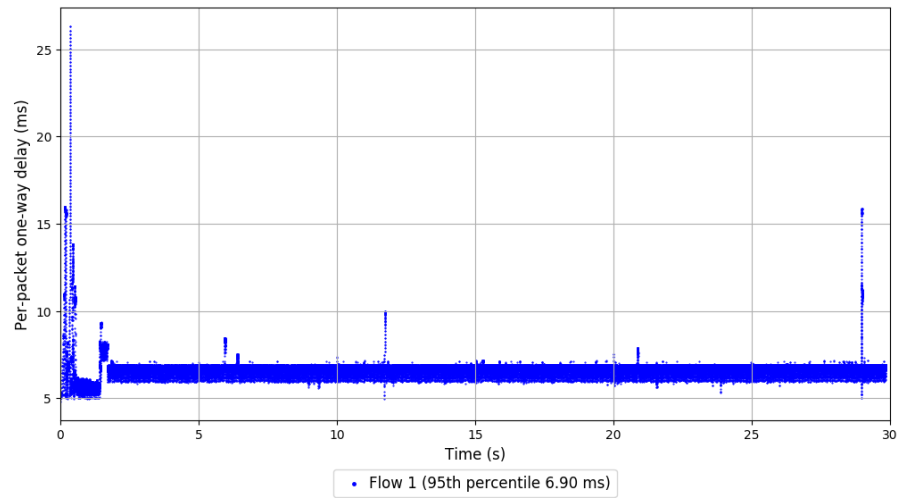
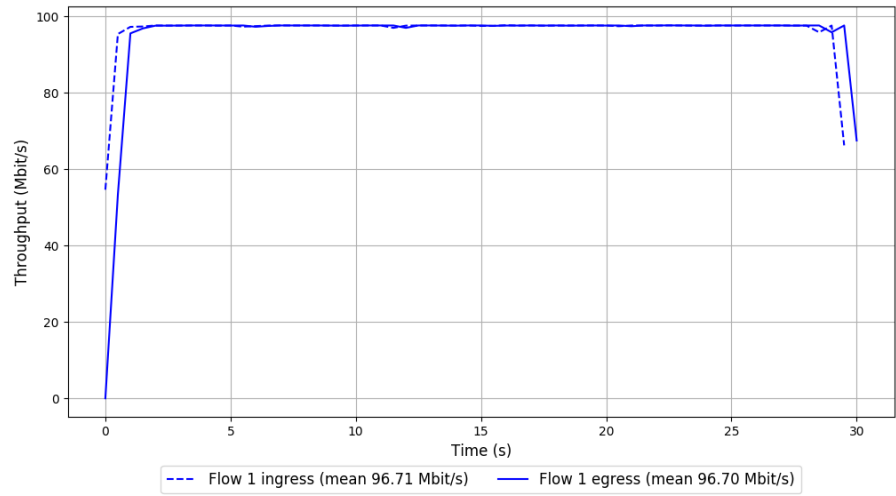
-- Flow 1:

Average throughput: 96.70 Mbit/s

95th percentile per-packet one-way delay: 6.904 ms

Loss rate: 0.00%

Run 2: Report of Indigo — Data Link



Run 3: Statistics of Indigo

Start at: 2019-09-18 00:58:20

End at: 2019-09-18 00:58:50

Local clock offset: 1.209 ms

Remote clock offset: 4.138 ms

Below is generated by plot.py at 2019-09-18 02:27:33

Datalink statistics

-- Total of 1 flow:

Average throughput: 96.47 Mbit/s

95th percentile per-packet one-way delay: 9.858 ms

Loss rate: 0.00%

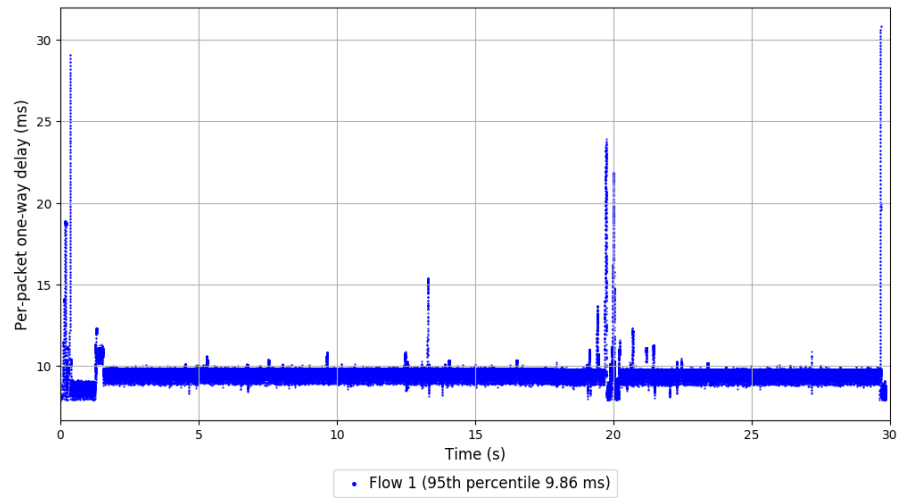
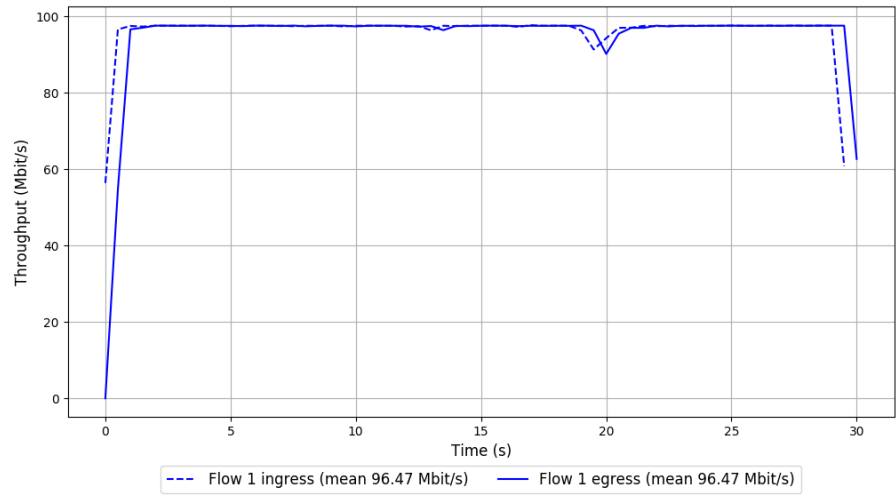
-- Flow 1:

Average throughput: 96.47 Mbit/s

95th percentile per-packet one-way delay: 9.858 ms

Loss rate: 0.00%

Run 3: Report of Indigo — Data Link



Run 4: Statistics of Indigo

Start at: 2019-09-18 01:26:26

End at: 2019-09-18 01:26:56

Local clock offset: -0.087 ms

Remote clock offset: 6.247 ms

Below is generated by plot.py at 2019-09-18 02:27:33

Datalink statistics

-- Total of 1 flow:

Average throughput: 96.48 Mbit/s

95th percentile per-packet one-way delay: 11.183 ms

Loss rate: 0.00%

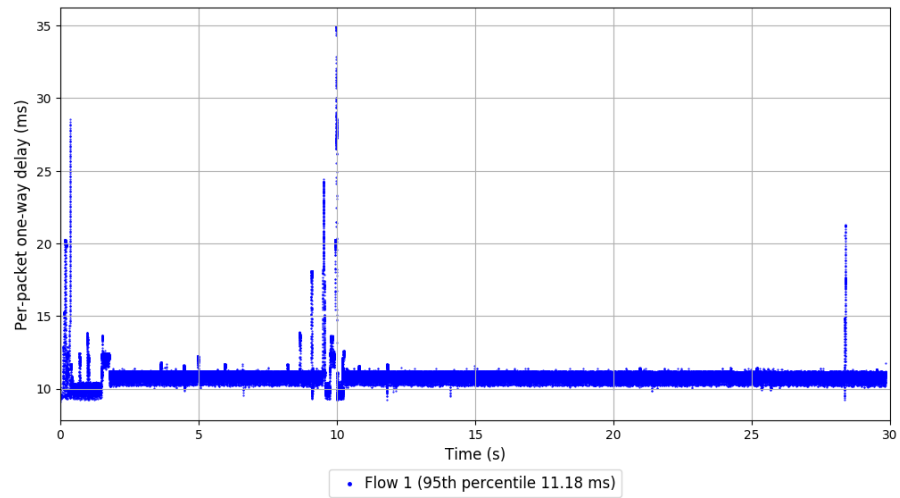
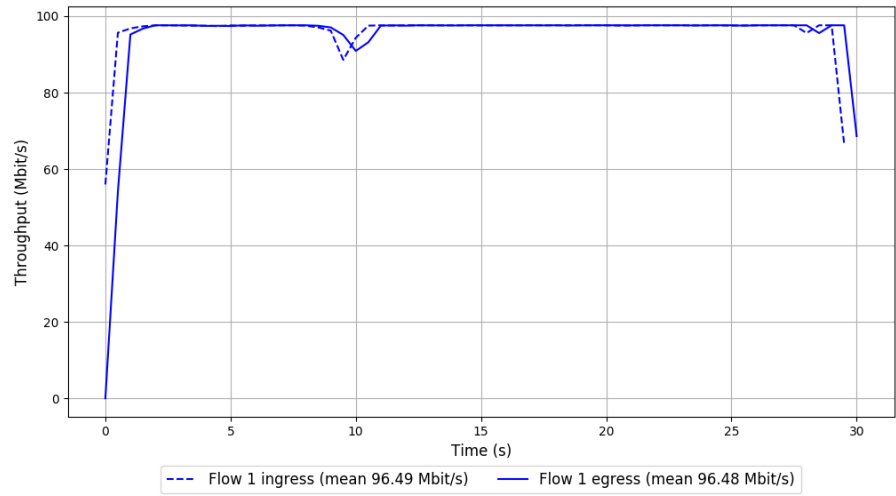
-- Flow 1:

Average throughput: 96.48 Mbit/s

95th percentile per-packet one-way delay: 11.183 ms

Loss rate: 0.00%

Run 4: Report of Indigo — Data Link



Run 5: Statistics of Indigo

Start at: 2019-09-18 01:55:01

End at: 2019-09-18 01:55:31

Local clock offset: -0.173 ms

Remote clock offset: 5.528 ms

Below is generated by plot.py at 2019-09-18 02:28:29

Datalink statistics

-- Total of 1 flow:

Average throughput: 96.49 Mbit/s

95th percentile per-packet one-way delay: 11.110 ms

Loss rate: 0.00%

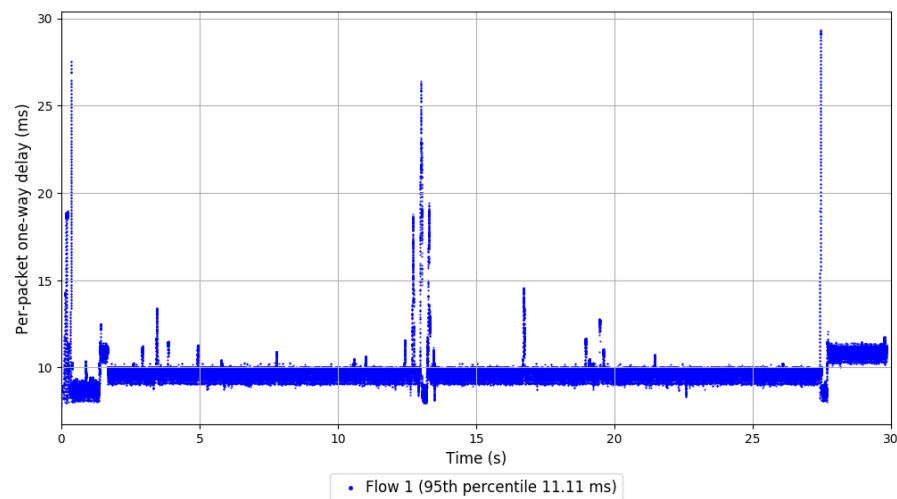
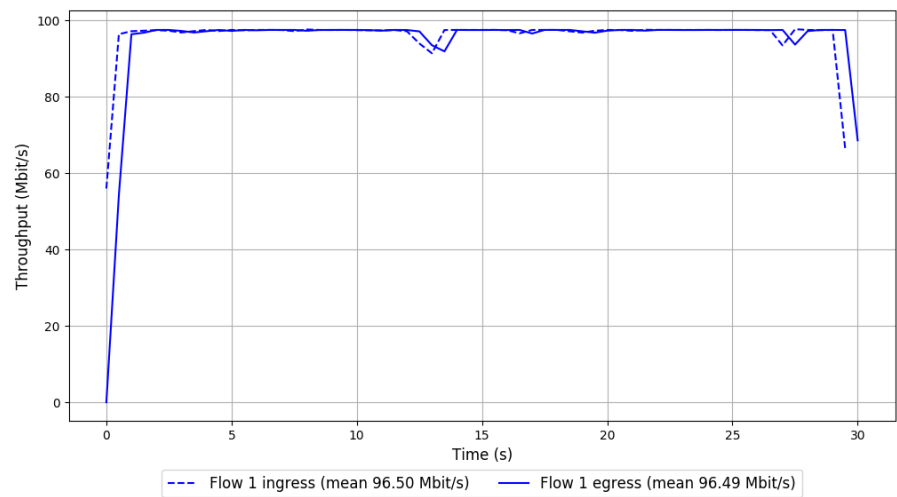
-- Flow 1:

Average throughput: 96.49 Mbit/s

95th percentile per-packet one-way delay: 11.110 ms

Loss rate: 0.00%

Run 5: Report of Indigo — Data Link



Run 1: Statistics of Indigo-MusesC3

Start at: 2019-09-18 00:25:21

End at: 2019-09-18 00:25:51

Local clock offset: 0.886 ms

Remote clock offset: 5.98 ms

Below is generated by plot.py at 2019-09-18 02:28:30

Datalink statistics

-- Total of 1 flow:

Average throughput: 96.65 Mbit/s

95th percentile per-packet one-way delay: 12.892 ms

Loss rate: 0.00%

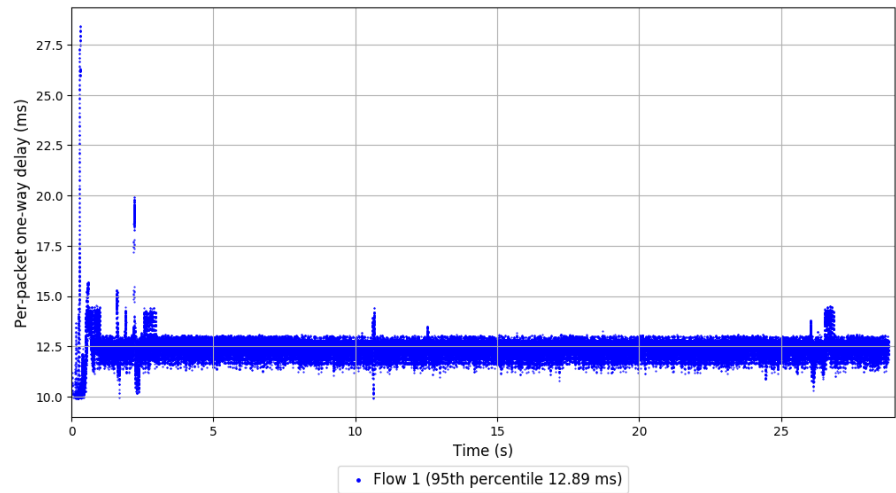
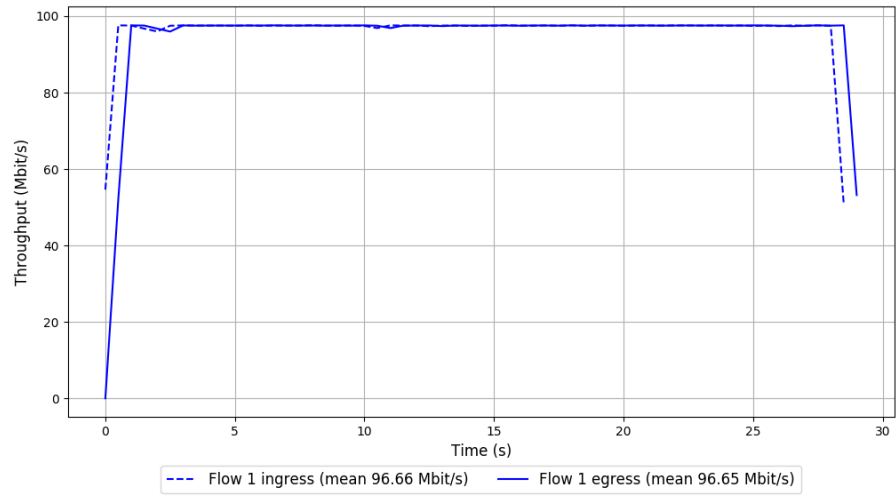
-- Flow 1:

Average throughput: 96.65 Mbit/s

95th percentile per-packet one-way delay: 12.892 ms

Loss rate: 0.00%

Run 1: Report of Indigo-MusesC3 — Data Link



Run 2: Statistics of Indigo-MusesC3

Start at: 2019-09-18 00:53:28

End at: 2019-09-18 00:53:58

Local clock offset: 1.779 ms

Remote clock offset: 5.783 ms

Below is generated by plot.py at 2019-09-18 02:28:31

Datalink statistics

-- Total of 1 flow:

Average throughput: 96.57 Mbit/s

95th percentile per-packet one-way delay: 12.013 ms

Loss rate: 0.00%

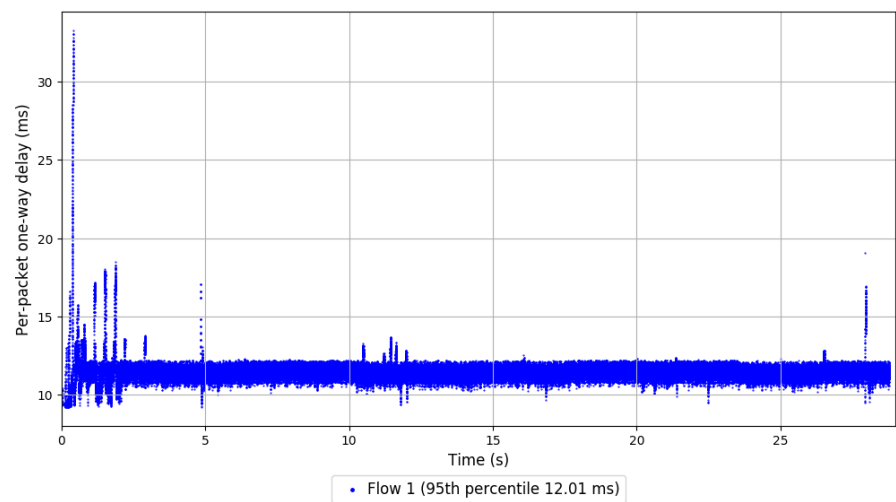
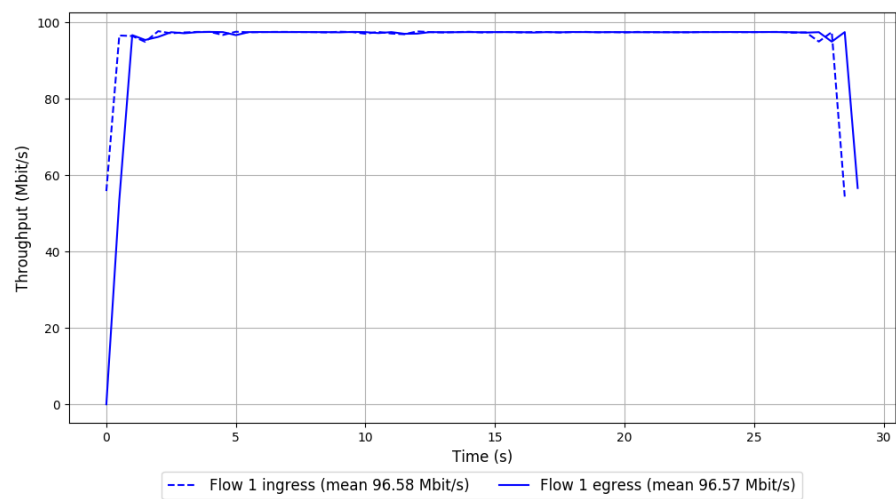
-- Flow 1:

Average throughput: 96.57 Mbit/s

95th percentile per-packet one-way delay: 12.013 ms

Loss rate: 0.00%

Run 2: Report of Indigo-MusesC3 — Data Link



Run 3: Statistics of Indigo-MusesC3

Start at: 2019-09-18 01:21:45

End at: 2019-09-18 01:22:15

Local clock offset: 0.218 ms

Remote clock offset: 5.497 ms

Below is generated by plot.py at 2019-09-18 02:28:32

Datalink statistics

-- Total of 1 flow:

Average throughput: 96.46 Mbit/s

95th percentile per-packet one-way delay: 11.352 ms

Loss rate: 0.00%

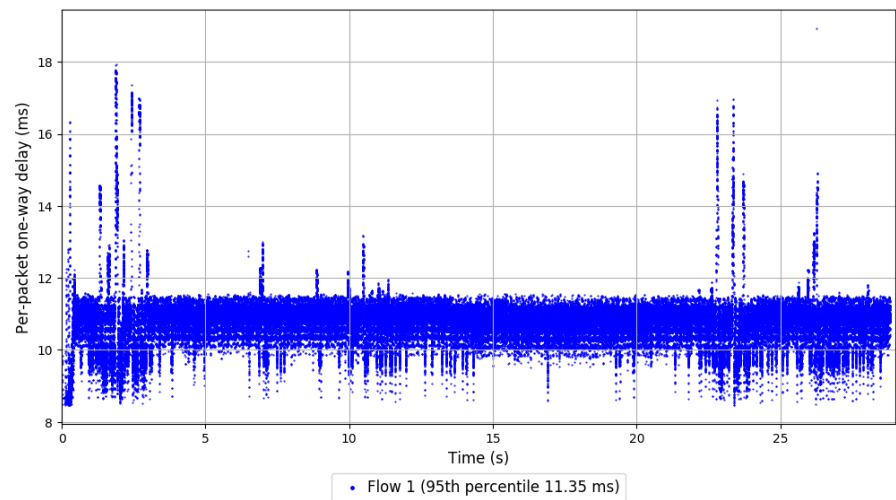
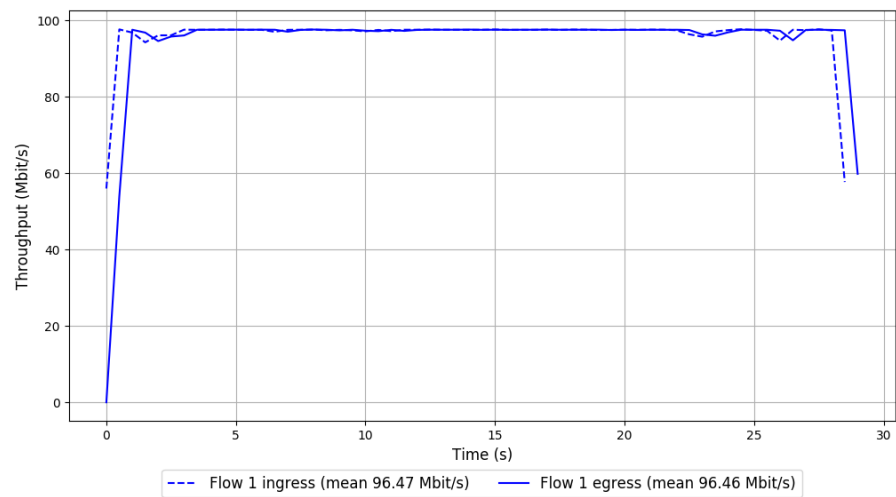
-- Flow 1:

Average throughput: 96.46 Mbit/s

95th percentile per-packet one-way delay: 11.352 ms

Loss rate: 0.00%

Run 3: Report of Indigo-MusesC3 — Data Link



Run 4: Statistics of Indigo-MusesC3

Start at: 2019-09-18 01:50:07

End at: 2019-09-18 01:50:37

Local clock offset: -0.487 ms

Remote clock offset: 6.648 ms

Below is generated by plot.py at 2019-09-18 02:28:33

Datalink statistics

-- Total of 1 flow:

Average throughput: 96.34 Mbit/s

95th percentile per-packet one-way delay: 12.796 ms

Loss rate: 0.00%

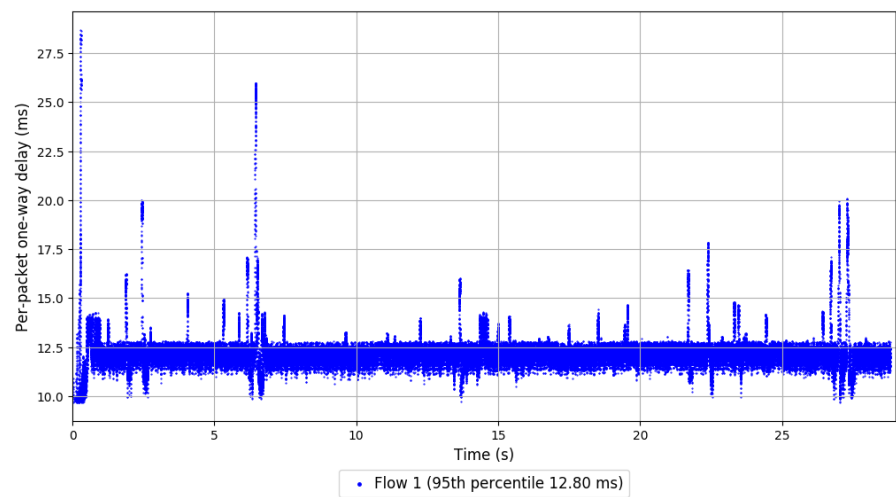
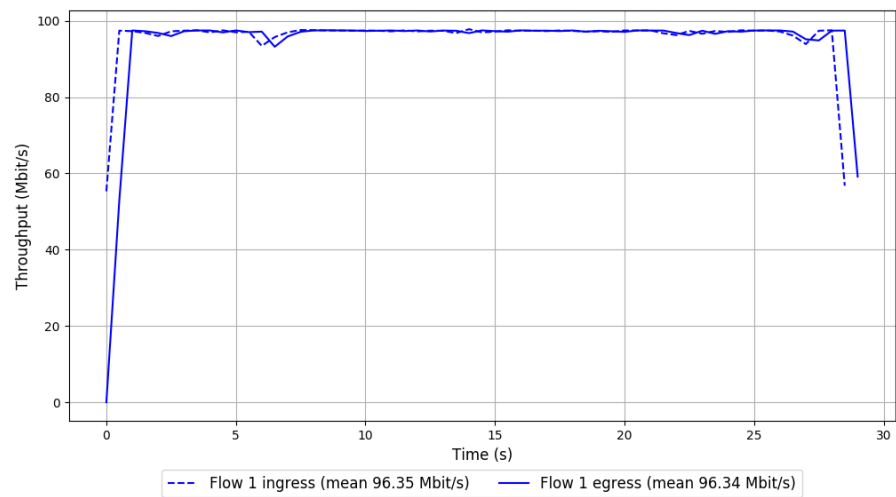
-- Flow 1:

Average throughput: 96.34 Mbit/s

95th percentile per-packet one-way delay: 12.796 ms

Loss rate: 0.00%

Run 4: Report of Indigo-MusesC3 — Data Link



Run 5: Statistics of Indigo-MusesC3

Start at: 2019-09-18 02:18:39

End at: 2019-09-18 02:19:09

Local clock offset: 6.17 ms

Remote clock offset: 7.458 ms

Below is generated by plot.py at 2019-09-18 02:28:33

Datalink statistics

-- Total of 1 flow:

Average throughput: 96.61 Mbit/s

95th percentile per-packet one-way delay: 7.966 ms

Loss rate: 0.00%

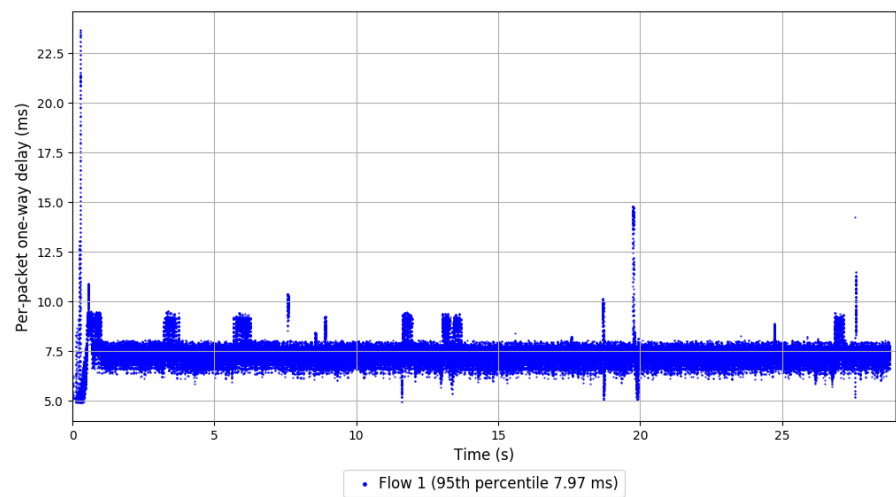
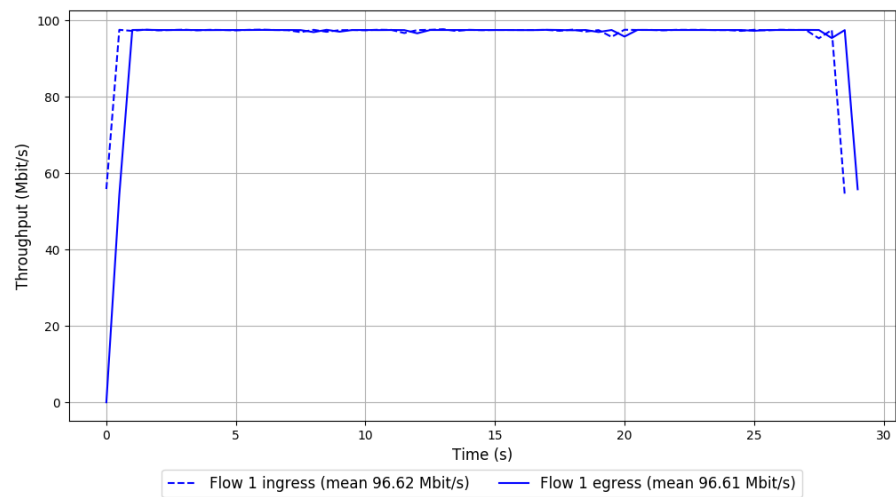
-- Flow 1:

Average throughput: 96.61 Mbit/s

95th percentile per-packet one-way delay: 7.966 ms

Loss rate: 0.00%

Run 5: Report of Indigo-MusesC3 — Data Link



Run 1: Statistics of Indigo-MusesC5

Start at: 2019-09-18 00:08:13

End at: 2019-09-18 00:08:43

Local clock offset: 5.827 ms

Remote clock offset: 5.252 ms

Below is generated by plot.py at 2019-09-18 02:28:43

Datalink statistics

-- Total of 1 flow:

Average throughput: 96.55 Mbit/s

95th percentile per-packet one-way delay: 7.881 ms

Loss rate: 0.00%

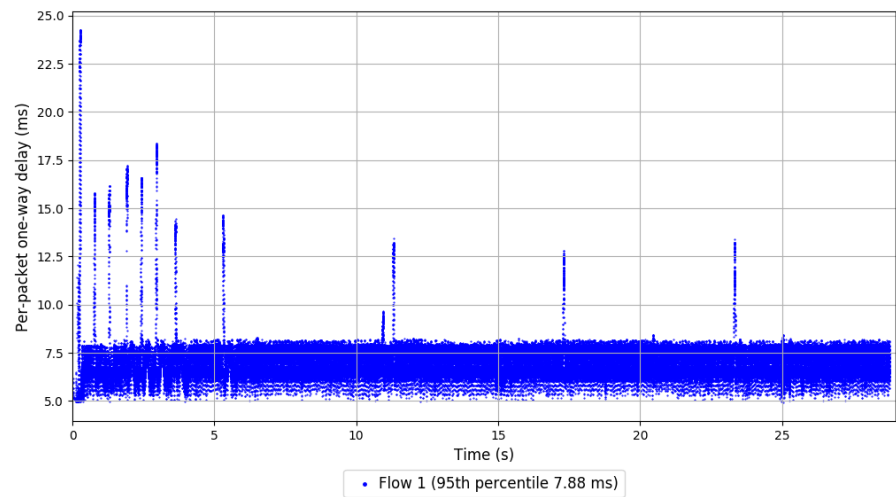
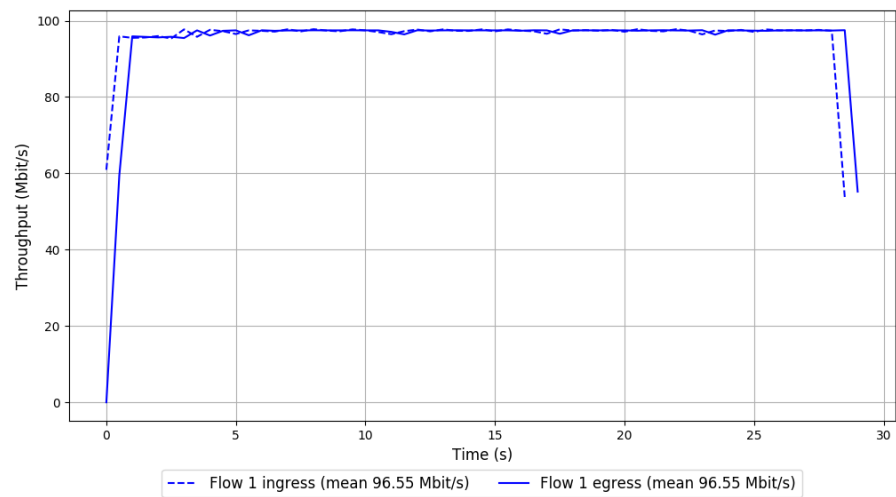
-- Flow 1:

Average throughput: 96.55 Mbit/s

95th percentile per-packet one-way delay: 7.881 ms

Loss rate: 0.00%

Run 1: Report of Indigo-MusesC5 — Data Link



Run 2: Statistics of Indigo-MusesC5

Start at: 2019-09-18 00:36:06

End at: 2019-09-18 00:36:36

Local clock offset: 5.108 ms

Remote clock offset: 5.638 ms

Below is generated by plot.py at 2019-09-18 02:28:44

Datalink statistics

-- Total of 1 flow:

Average throughput: 96.53 Mbit/s

95th percentile per-packet one-way delay: 8.636 ms

Loss rate: 0.00%

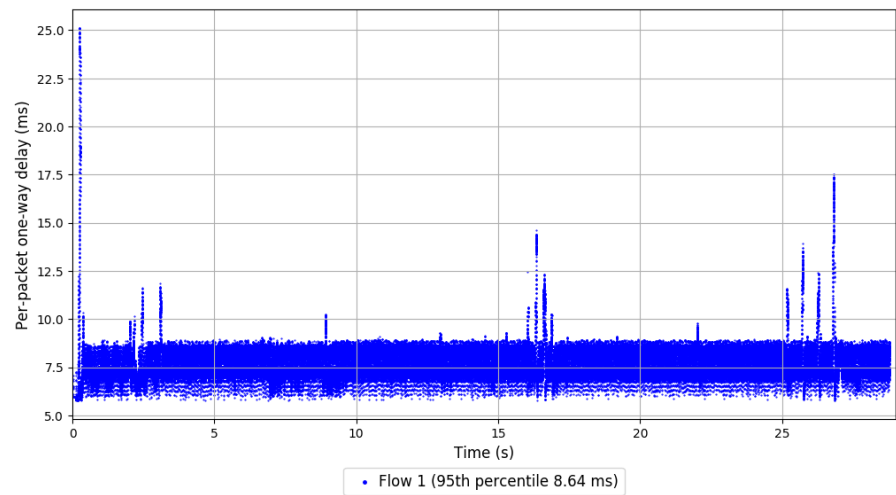
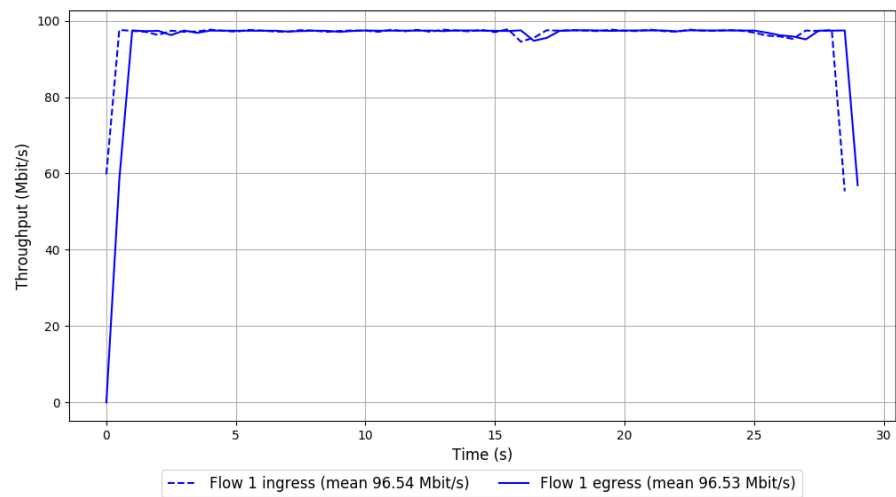
-- Flow 1:

Average throughput: 96.53 Mbit/s

95th percentile per-packet one-way delay: 8.636 ms

Loss rate: 0.00%

Run 2: Report of Indigo-MusesC5 — Data Link



Run 3: Statistics of Indigo-MusesC5

Start at: 2019-09-18 01:04:23

End at: 2019-09-18 01:04:53

Local clock offset: 5.724 ms

Remote clock offset: 5.484 ms

Below is generated by plot.py at 2019-09-18 02:29:38

Datalink statistics

-- Total of 1 flow:

Average throughput: 94.91 Mbit/s

95th percentile per-packet one-way delay: 7.345 ms

Loss rate: 0.00%

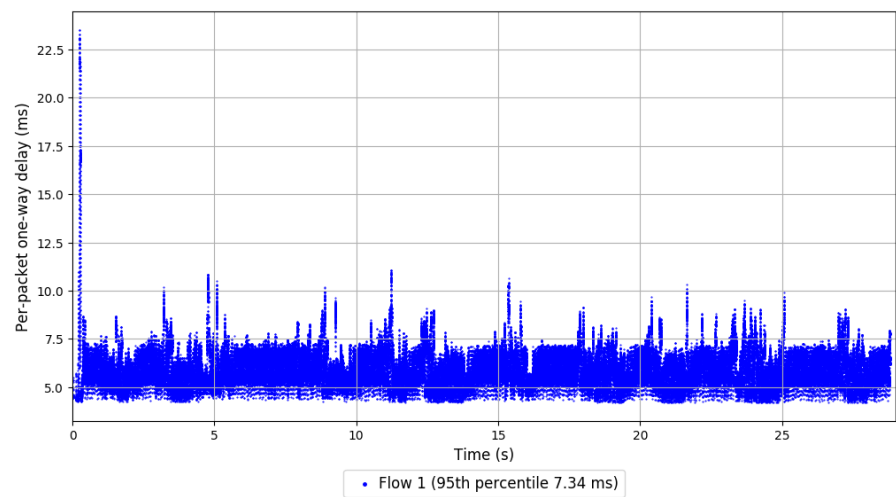
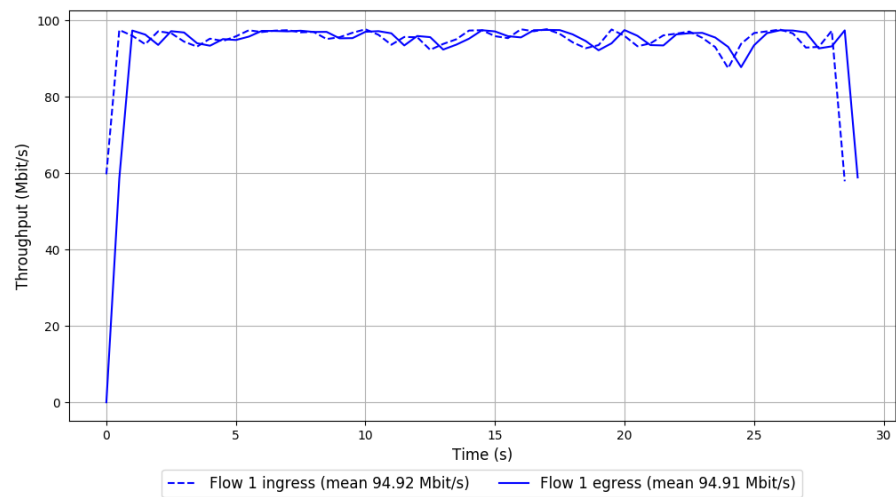
-- Flow 1:

Average throughput: 94.91 Mbit/s

95th percentile per-packet one-way delay: 7.345 ms

Loss rate: 0.00%

Run 3: Report of Indigo-MusesC5 — Data Link



Run 4: Statistics of Indigo-MusesC5

Start at: 2019-09-18 01:32:33

End at: 2019-09-18 01:33:03

Local clock offset: 3.812 ms

Remote clock offset: 5.836 ms

Below is generated by plot.py at 2019-09-18 02:29:39

Datalink statistics

-- Total of 1 flow:

Average throughput: 96.46 Mbit/s

95th percentile per-packet one-way delay: 7.633 ms

Loss rate: 0.00%

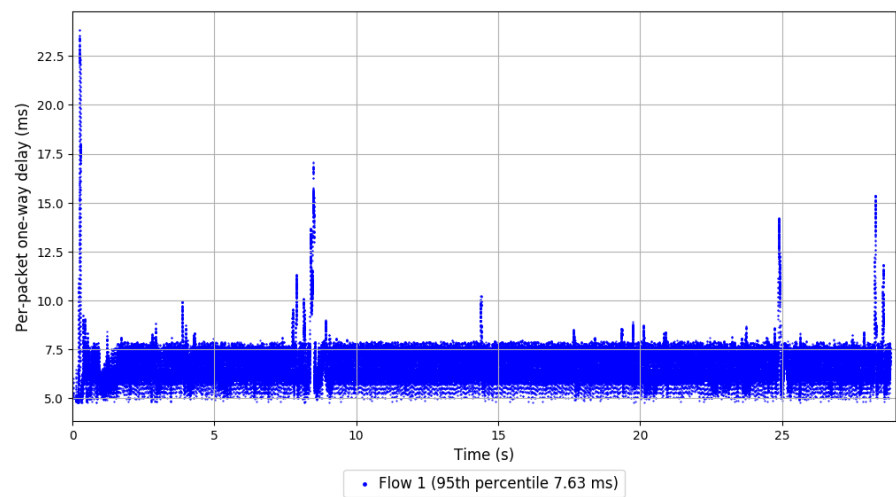
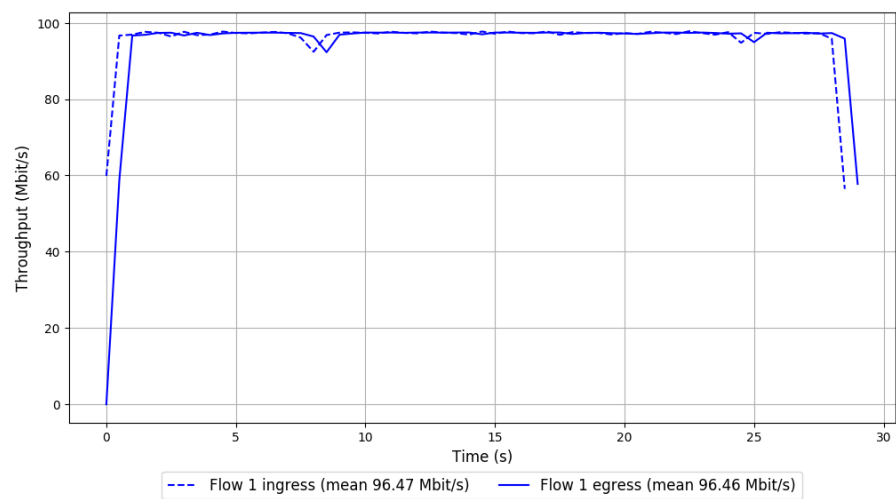
-- Flow 1:

Average throughput: 96.46 Mbit/s

95th percentile per-packet one-way delay: 7.633 ms

Loss rate: 0.00%

Run 4: Report of Indigo-MusesC5 — Data Link



Run 5: Statistics of Indigo-MusesC5

Start at: 2019-09-18 02:01:15

End at: 2019-09-18 02:01:45

Local clock offset: 4.238 ms

Remote clock offset: 5.655 ms

Below is generated by plot.py at 2019-09-18 02:29:40

Datalink statistics

-- Total of 1 flow:

Average throughput: 96.39 Mbit/s

95th percentile per-packet one-way delay: 6.739 ms

Loss rate: 0.01%

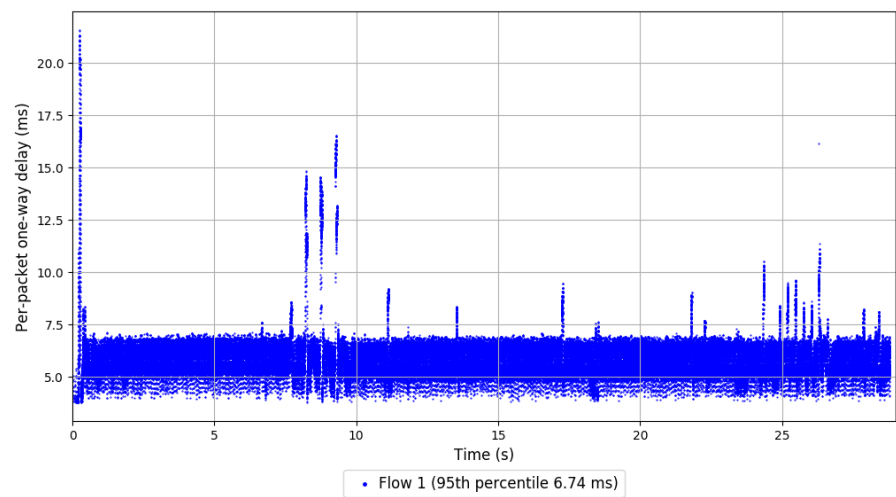
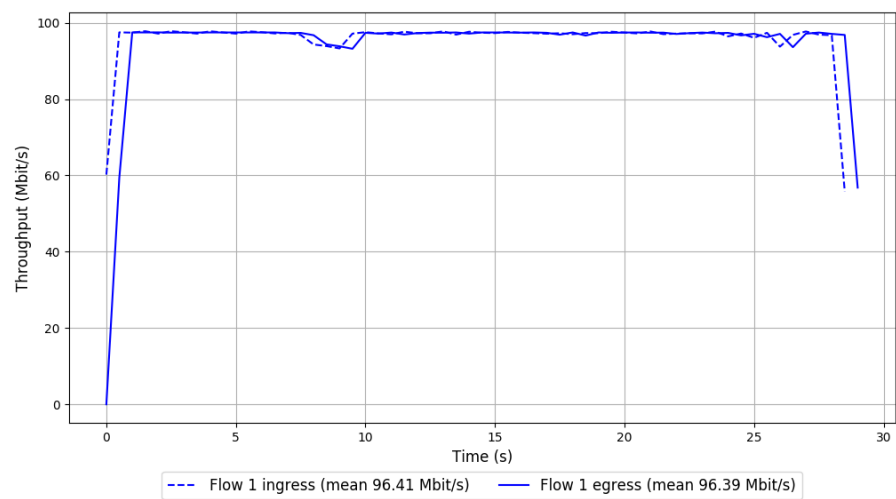
-- Flow 1:

Average throughput: 96.39 Mbit/s

95th percentile per-packet one-way delay: 6.739 ms

Loss rate: 0.01%

Run 5: Report of Indigo-MusesC5 — Data Link



Run 1: Statistics of Indigo-MusesD

Start at: 2019-09-18 00:19:33

End at: 2019-09-18 00:20:03

Local clock offset: 5.432 ms

Remote clock offset: 5.751 ms

Below is generated by plot.py at 2019-09-18 02:29:40

Datalink statistics

-- Total of 1 flow:

Average throughput: 94.59 Mbit/s

95th percentile per-packet one-way delay: 7.879 ms

Loss rate: 0.00%

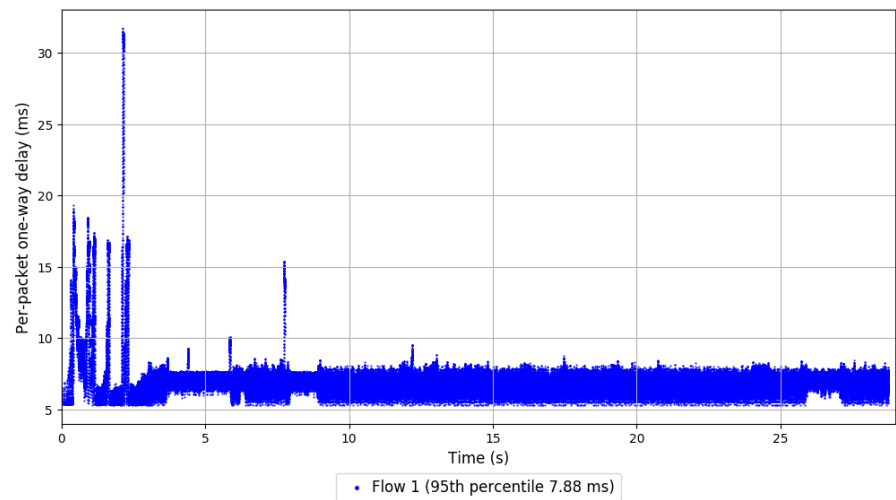
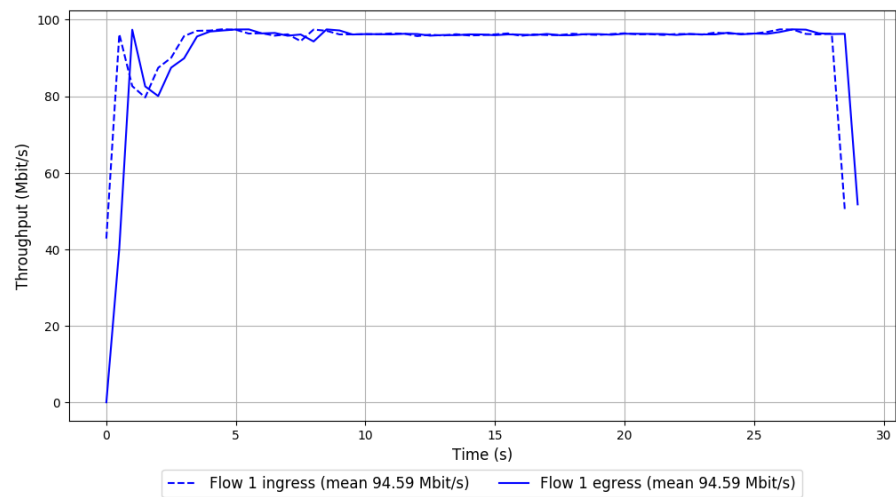
-- Flow 1:

Average throughput: 94.59 Mbit/s

95th percentile per-packet one-way delay: 7.879 ms

Loss rate: 0.00%

Run 1: Report of Indigo-MusesD — Data Link



Run 2: Statistics of Indigo-MusesD

Start at: 2019-09-18 00:47:38

End at: 2019-09-18 00:48:08

Local clock offset: 1.718 ms

Remote clock offset: 4.892 ms

Below is generated by plot.py at 2019-09-18 02:29:42

Datalink statistics

-- Total of 1 flow:

Average throughput: 95.66 Mbit/s

95th percentile per-packet one-way delay: 11.384 ms

Loss rate: 0.00%

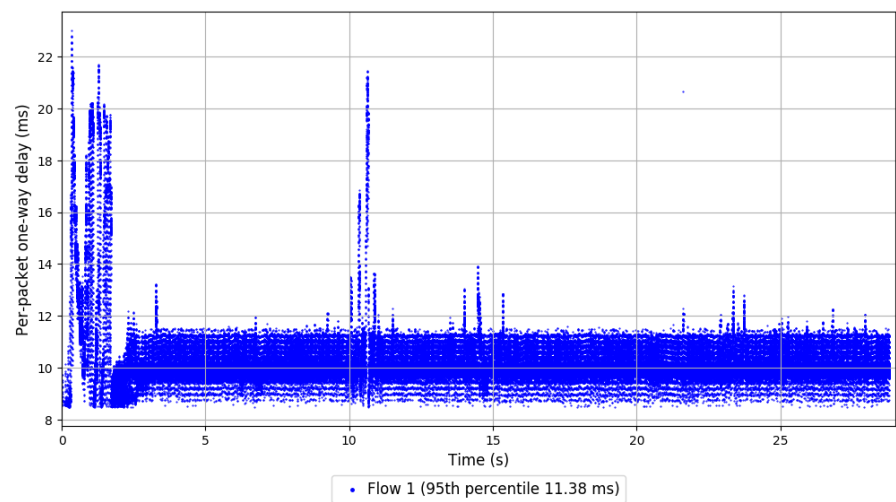
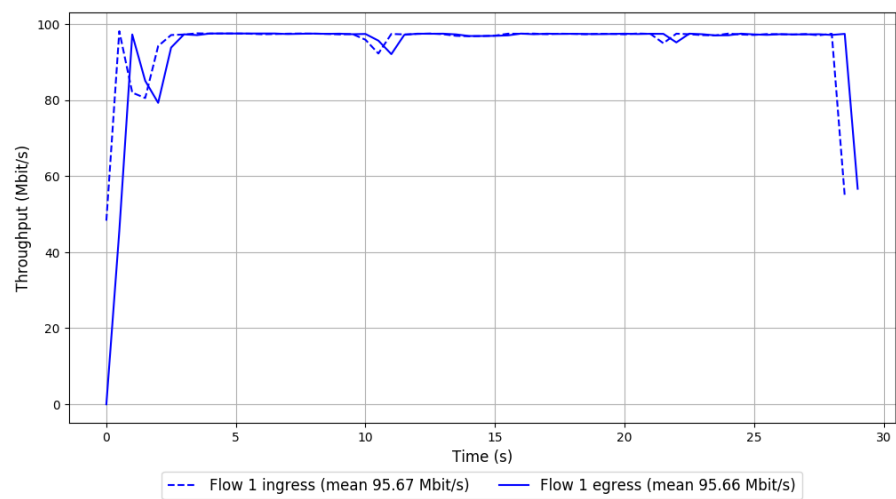
-- Flow 1:

Average throughput: 95.66 Mbit/s

95th percentile per-packet one-way delay: 11.384 ms

Loss rate: 0.00%

Run 2: Report of Indigo-MusesD — Data Link



Run 3: Statistics of Indigo-MusesD

Start at: 2019-09-18 01:16:00

End at: 2019-09-18 01:16:30

Local clock offset: -0.019 ms

Remote clock offset: 6.498 ms

Below is generated by plot.py at 2019-09-18 02:29:42

Datalink statistics

-- Total of 1 flow:

Average throughput: 95.81 Mbit/s

95th percentile per-packet one-way delay: 12.708 ms

Loss rate: 0.00%

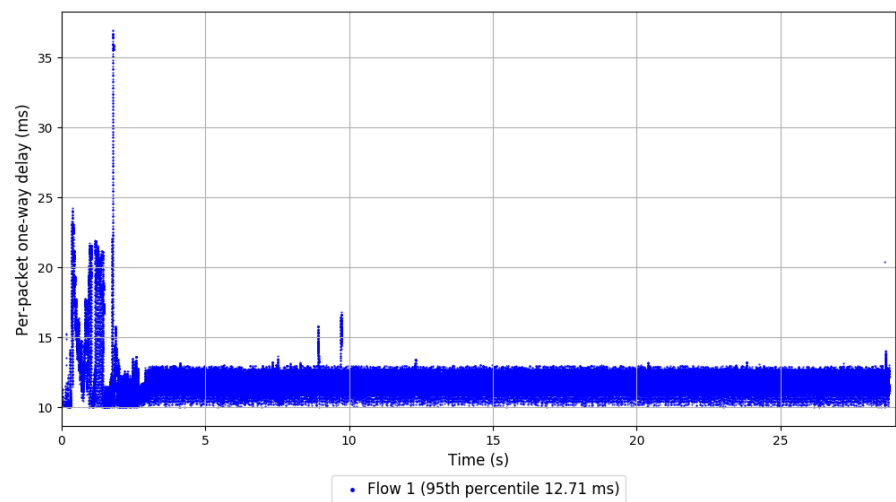
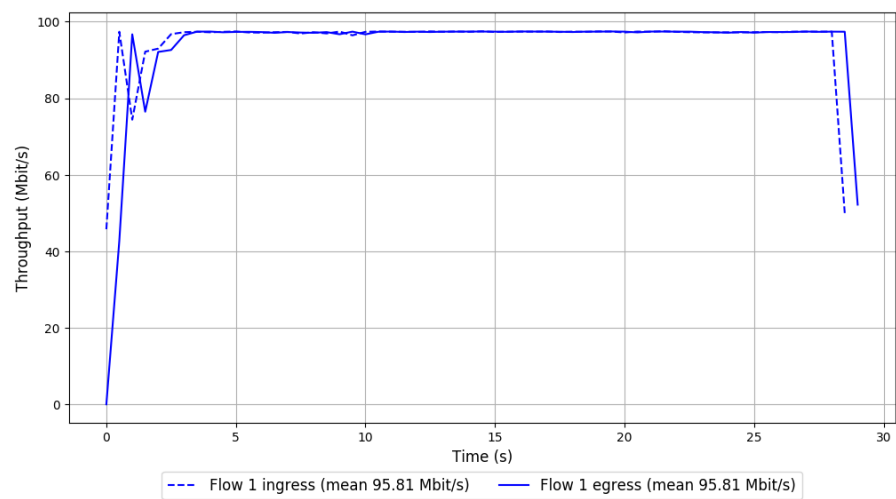
-- Flow 1:

Average throughput: 95.81 Mbit/s

95th percentile per-packet one-way delay: 12.708 ms

Loss rate: 0.00%

Run 3: Report of Indigo-MusesD — Data Link



Run 4: Statistics of Indigo-MusesD

Start at: 2019-09-18 01:44:07

End at: 2019-09-18 01:44:37

Local clock offset: 4.79 ms

Remote clock offset: 6.301 ms

Below is generated by plot.py at 2019-09-18 02:29:52

Datalink statistics

-- Total of 1 flow:

Average throughput: 95.88 Mbit/s

95th percentile per-packet one-way delay: 7.130 ms

Loss rate: 0.00%

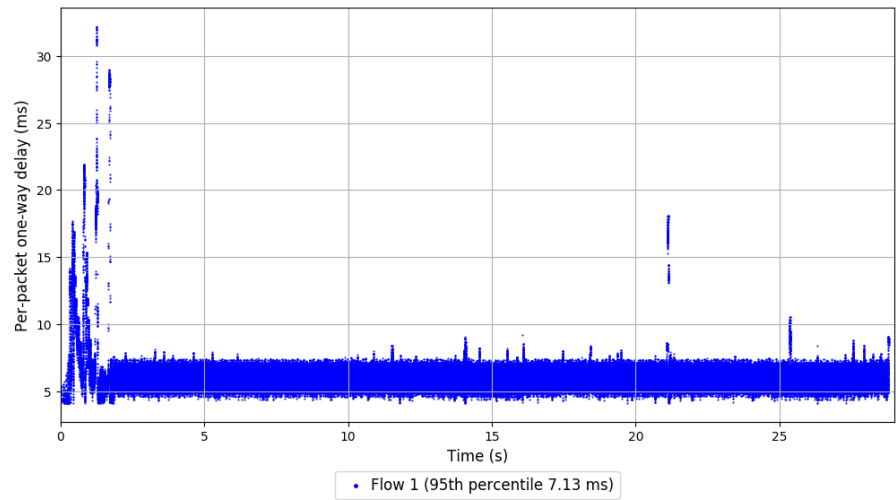
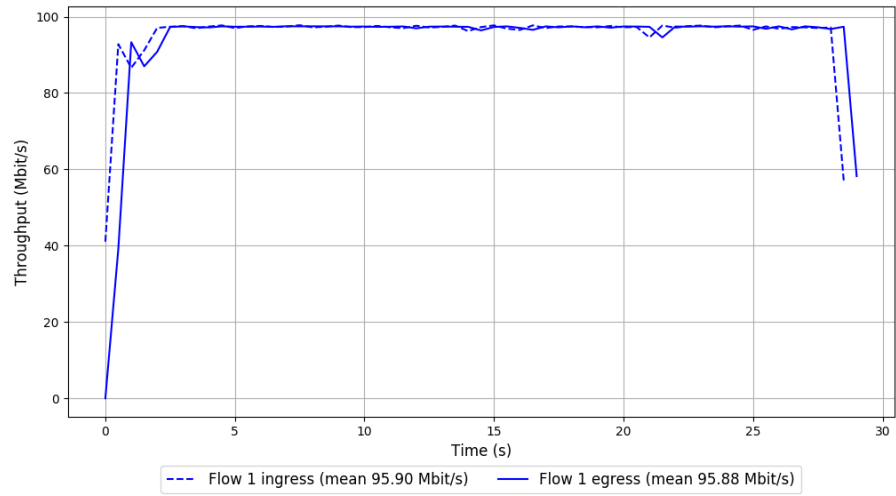
-- Flow 1:

Average throughput: 95.88 Mbit/s

95th percentile per-packet one-way delay: 7.130 ms

Loss rate: 0.00%

Run 4: Report of Indigo-MusesD — Data Link



Run 5: Statistics of Indigo-MusesD

Start at: 2019-09-18 02:12:51

End at: 2019-09-18 02:13:21

Local clock offset: 1.423 ms

Remote clock offset: 6.144 ms

Below is generated by plot.py at 2019-09-18 02:29:53

Datalink statistics

-- Total of 1 flow:

Average throughput: 95.88 Mbit/s

95th percentile per-packet one-way delay: 11.090 ms

Loss rate: 0.00%

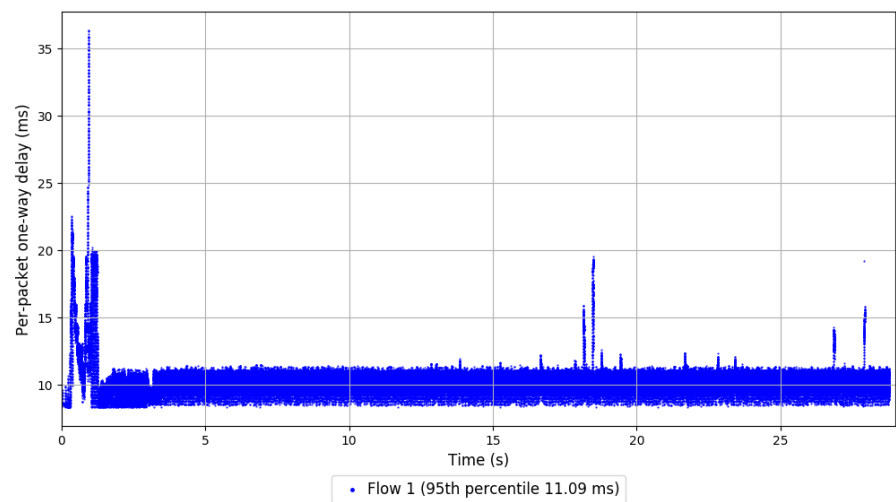
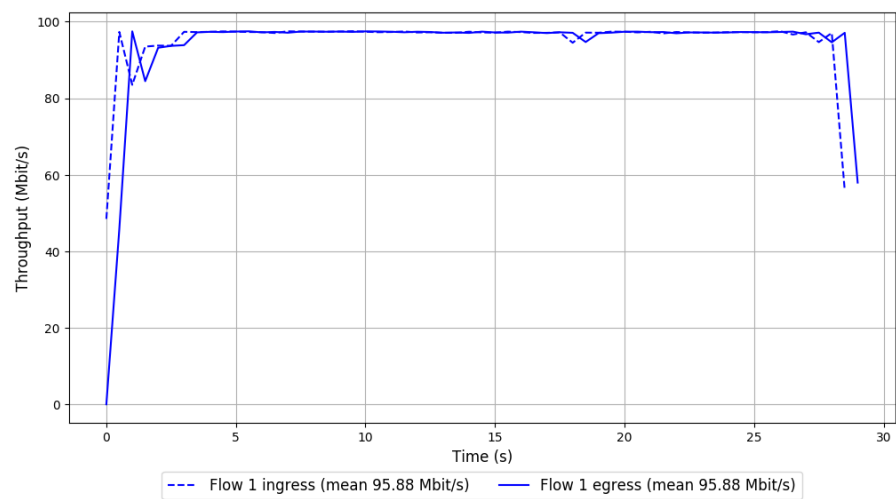
-- Flow 1:

Average throughput: 95.88 Mbit/s

95th percentile per-packet one-way delay: 11.090 ms

Loss rate: 0.00%

Run 5: Report of Indigo-MusesD — Data Link

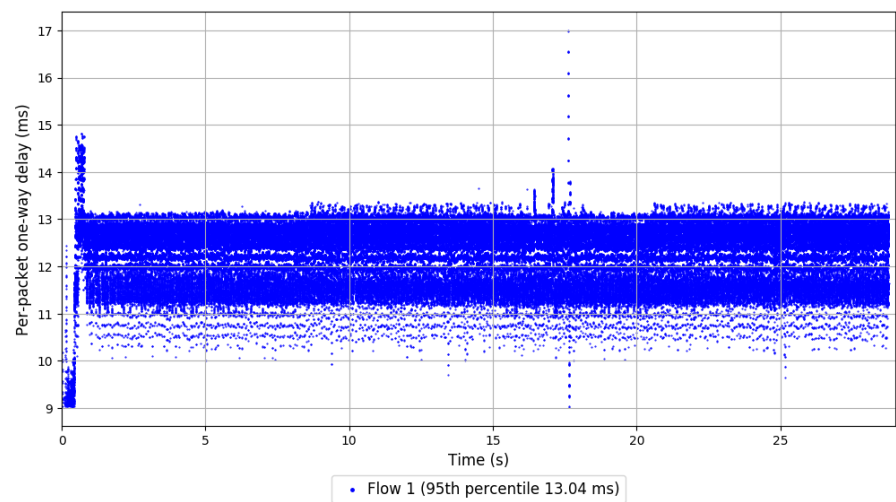
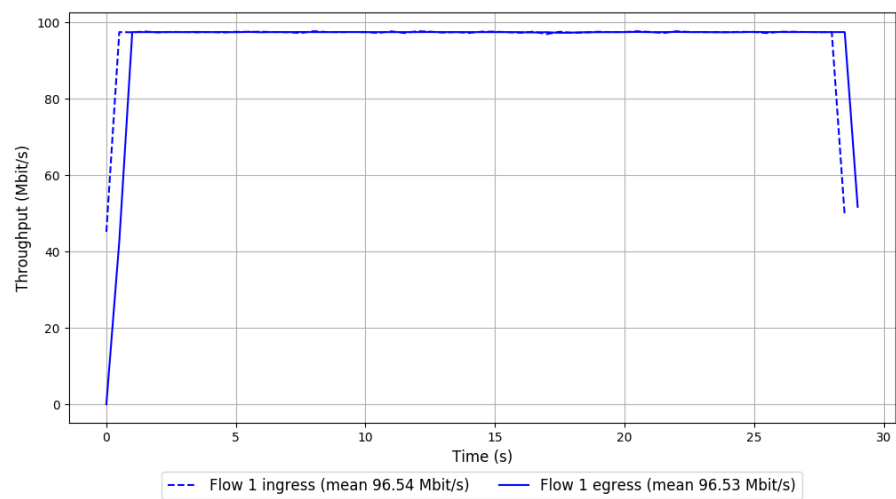


```
Run 1: Statistics of Indigo-MusesT

Start at: 2019-09-18 00:05:52
End at: 2019-09-18 00:06:22
Local clock offset: 0.937 ms
Remote clock offset: 4.372 ms

# Below is generated by plot.py at 2019-09-18 02:30:46
# Datalink statistics
-- Total of 1 flow:
Average throughput: 96.53 Mbit/s
95th percentile per-packet one-way delay: 13.037 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 96.53 Mbit/s
95th percentile per-packet one-way delay: 13.037 ms
Loss rate: 0.00%
```

Run 1: Report of Indigo-MusesT — Data Link



Run 2: Statistics of Indigo-MusesT

Start at: 2019-09-18 00:33:45

End at: 2019-09-18 00:34:15

Local clock offset: 6.226 ms

Remote clock offset: 5.091 ms

Below is generated by plot.py at 2019-09-18 02:30:47

Datalink statistics

-- Total of 1 flow:

Average throughput: 96.43 Mbit/s

95th percentile per-packet one-way delay: 8.026 ms

Loss rate: 0.00%

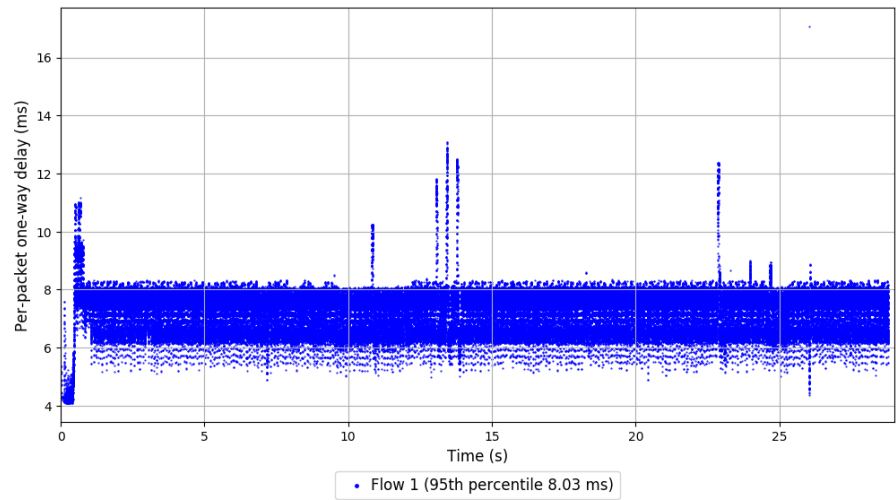
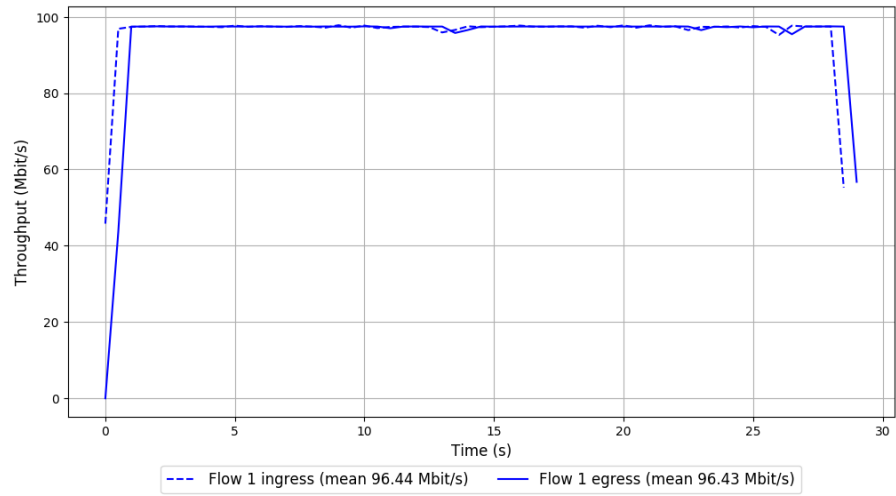
-- Flow 1:

Average throughput: 96.43 Mbit/s

95th percentile per-packet one-way delay: 8.026 ms

Loss rate: 0.00%

Run 2: Report of Indigo-MusesT — Data Link



Run 3: Statistics of Indigo-MusesT

Start at: 2019-09-18 01:01:56

End at: 2019-09-18 01:02:26

Local clock offset: 5.175 ms

Remote clock offset: 5.886 ms

Below is generated by plot.py at 2019-09-18 02:30:48

Datalink statistics

-- Total of 1 flow:

Average throughput: 96.33 Mbit/s

95th percentile per-packet one-way delay: 9.406 ms

Loss rate: 0.00%

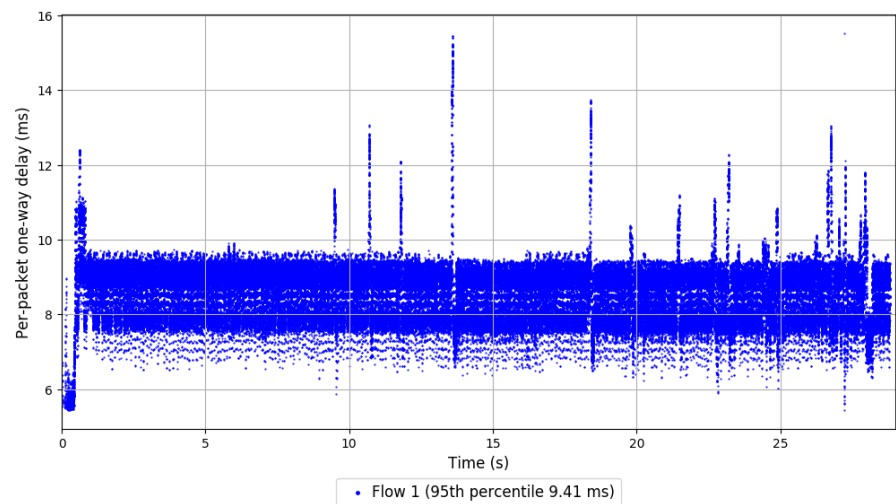
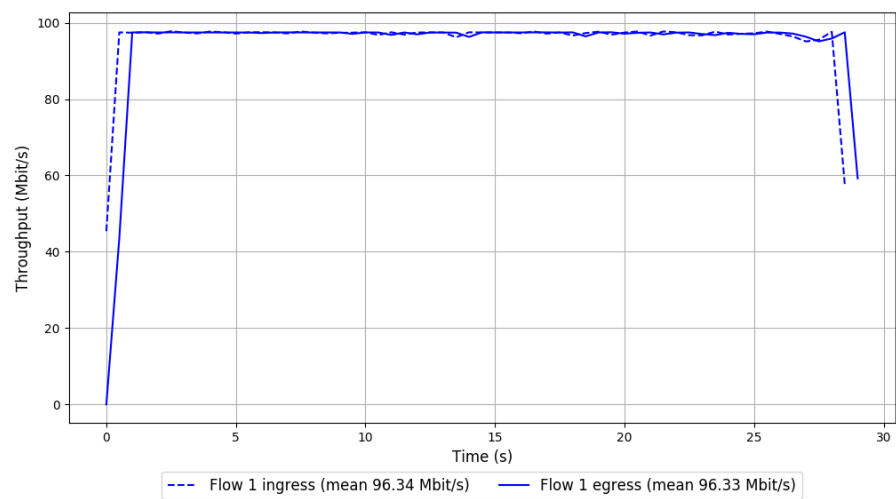
-- Flow 1:

Average throughput: 96.33 Mbit/s

95th percentile per-packet one-way delay: 9.406 ms

Loss rate: 0.00%

Run 3: Report of Indigo-MusesT — Data Link



Run 4: Statistics of Indigo-MusesT

Start at: 2019-09-18 01:30:06

End at: 2019-09-18 01:30:36

Local clock offset: -0.375 ms

Remote clock offset: 6.468 ms

Below is generated by plot.py at 2019-09-18 02:30:48

Datalink statistics

-- Total of 1 flow:

Average throughput: 96.41 Mbit/s

95th percentile per-packet one-way delay: 13.572 ms

Loss rate: 0.00%

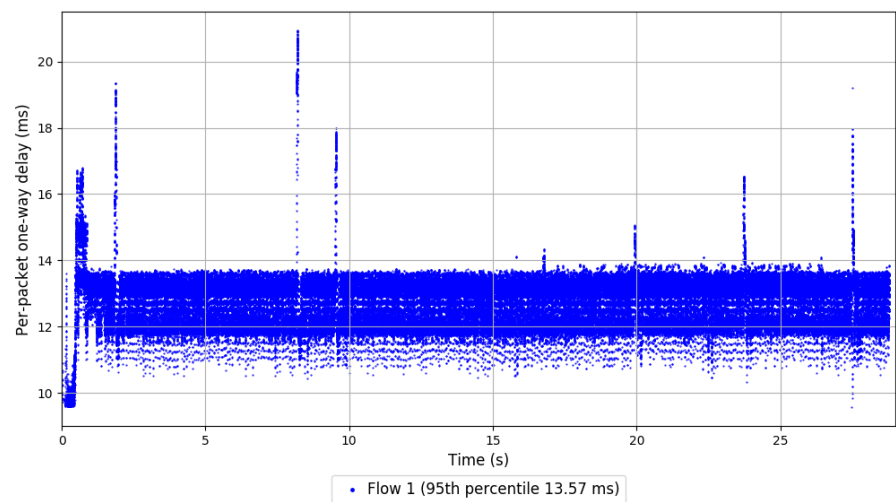
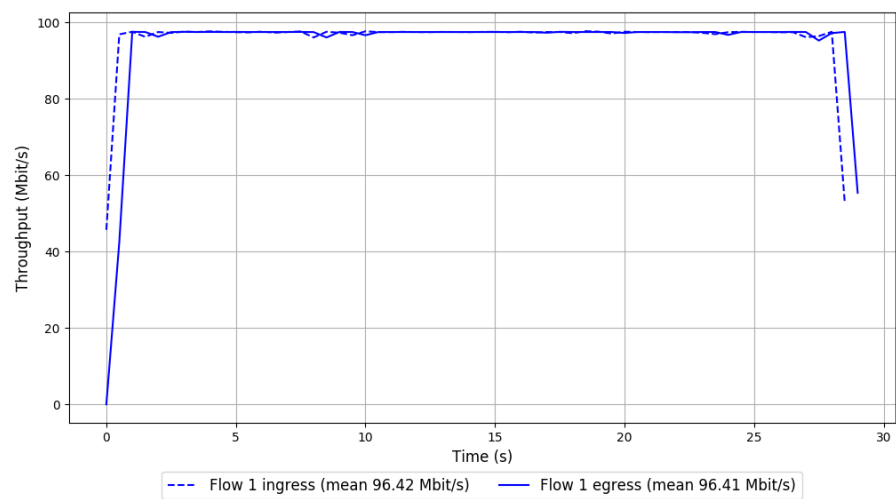
-- Flow 1:

Average throughput: 96.41 Mbit/s

95th percentile per-packet one-way delay: 13.572 ms

Loss rate: 0.00%

Run 4: Report of Indigo-MusesT — Data Link



Run 5: Statistics of Indigo-MusesT

Start at: 2019-09-18 01:58:46

End at: 2019-09-18 01:59:16

Local clock offset: -0.132 ms

Remote clock offset: 4.979 ms

Below is generated by plot.py at 2019-09-18 02:30:50

Datalink statistics

-- Total of 1 flow:

Average throughput: 96.31 Mbit/s

95th percentile per-packet one-way delay: 11.347 ms

Loss rate: 0.00%

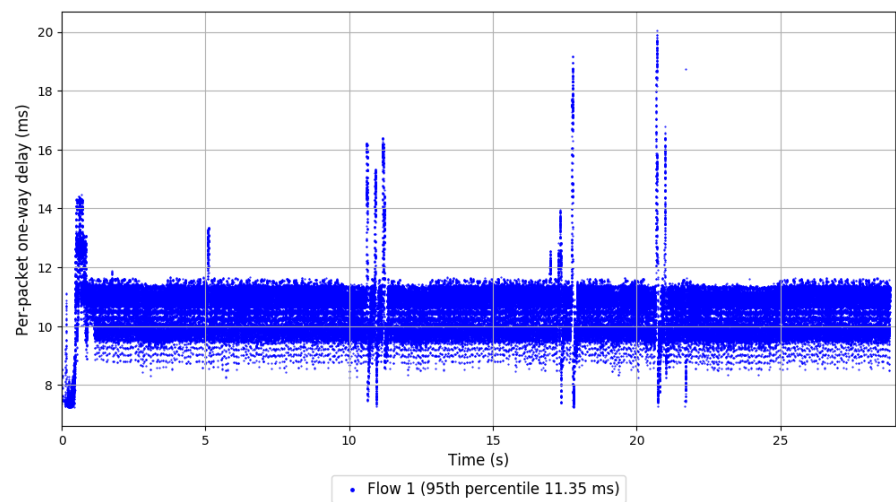
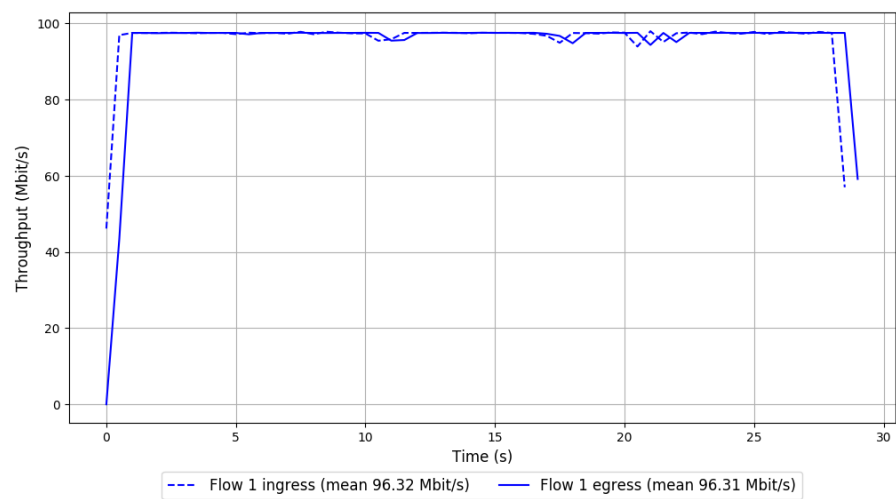
-- Flow 1:

Average throughput: 96.31 Mbit/s

95th percentile per-packet one-way delay: 11.347 ms

Loss rate: 0.00%

Run 5: Report of Indigo-MusesT — Data Link



Run 1: Statistics of LEDBAT

Start at: 2019-09-18 00:18:22

End at: 2019-09-18 00:18:52

Local clock offset: 5.887 ms

Remote clock offset: 4.087 ms

Below is generated by plot.py at 2019-09-18 02:30:50

Datalink statistics

-- Total of 1 flow:

Average throughput: 77.31 Mbit/s

95th percentile per-packet one-way delay: 41.284 ms

Loss rate: 0.20%

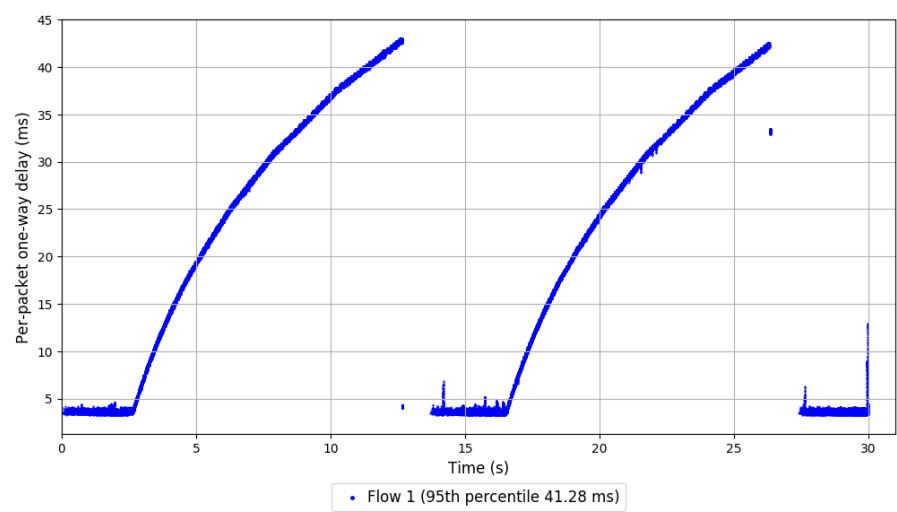
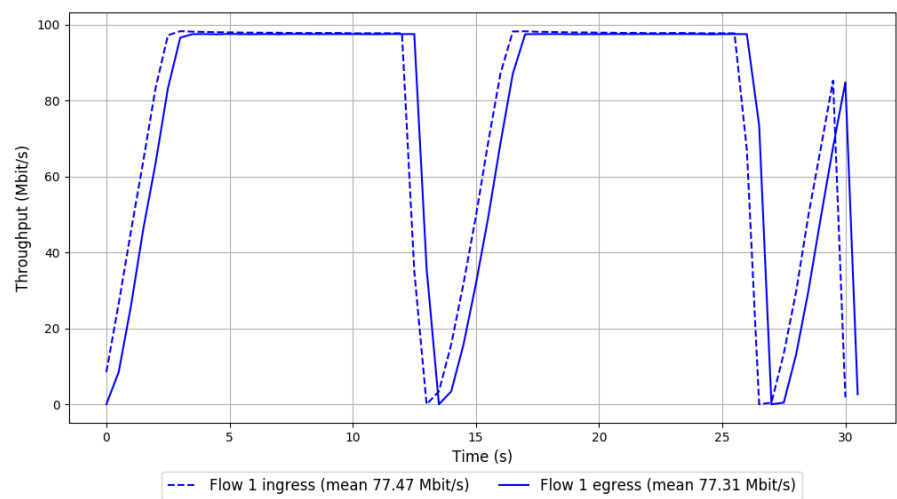
-- Flow 1:

Average throughput: 77.31 Mbit/s

95th percentile per-packet one-way delay: 41.284 ms

Loss rate: 0.20%

Run 1: Report of LEDBAT — Data Link



Run 2: Statistics of LEDBAT

Start at: 2019-09-18 00:46:22

End at: 2019-09-18 00:46:52

Local clock offset: 1.618 ms

Remote clock offset: 5.411 ms

Below is generated by plot.py at 2019-09-18 02:30:58

Datalink statistics

-- Total of 1 flow:

Average throughput: 85.32 Mbit/s

95th percentile per-packet one-way delay: 45.366 ms

Loss rate: 0.05%

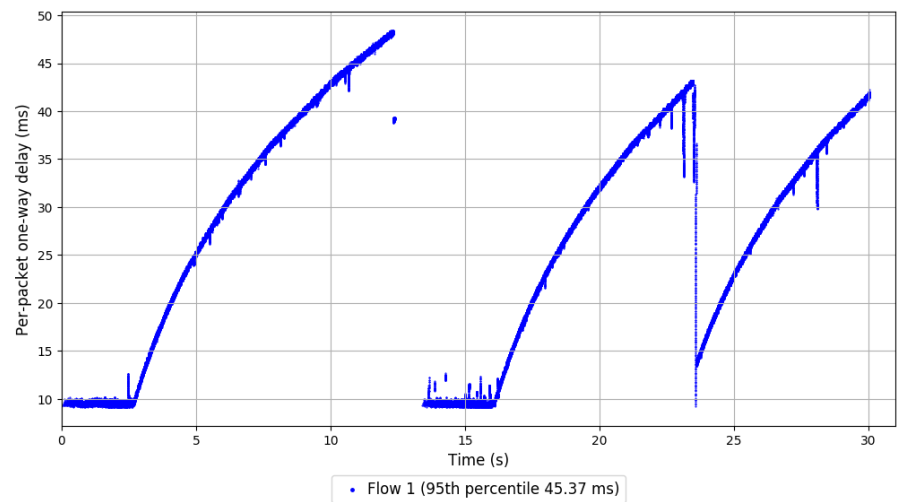
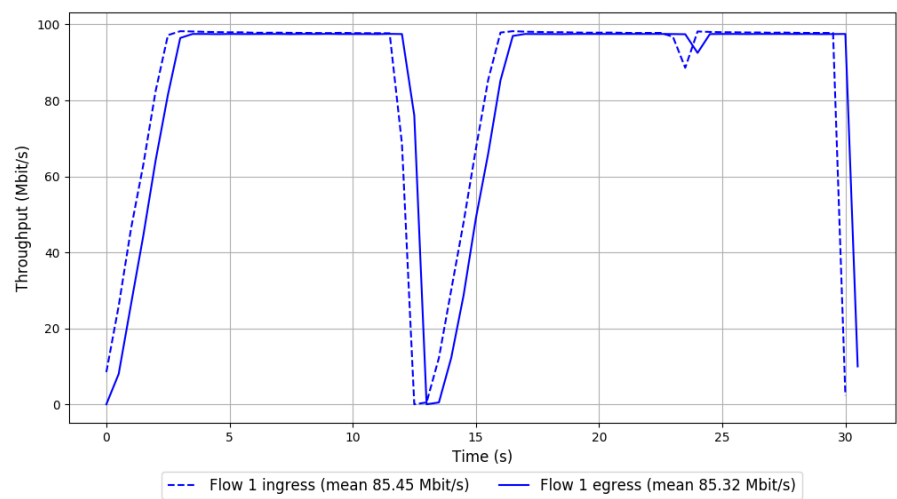
-- Flow 1:

Average throughput: 85.32 Mbit/s

95th percentile per-packet one-way delay: 45.366 ms

Loss rate: 0.05%

Run 2: Report of LEDBAT — Data Link



Run 3: Statistics of LEDBAT

Start at: 2019-09-18 01:14:43

End at: 2019-09-18 01:15:13

Local clock offset: 0.427 ms

Remote clock offset: 5.92 ms

Below is generated by plot.py at 2019-09-18 02:30:58

Datalink statistics

-- Total of 1 flow:

Average throughput: 76.62 Mbit/s

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

Loss rate: 0.33%

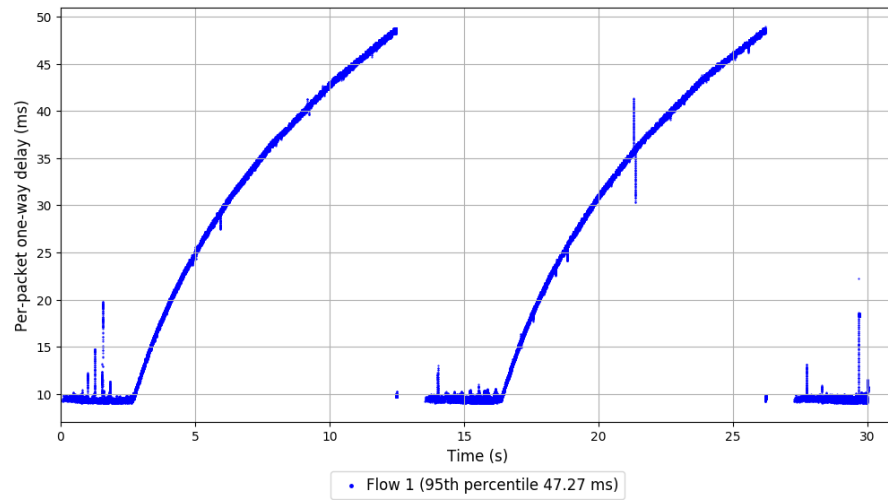
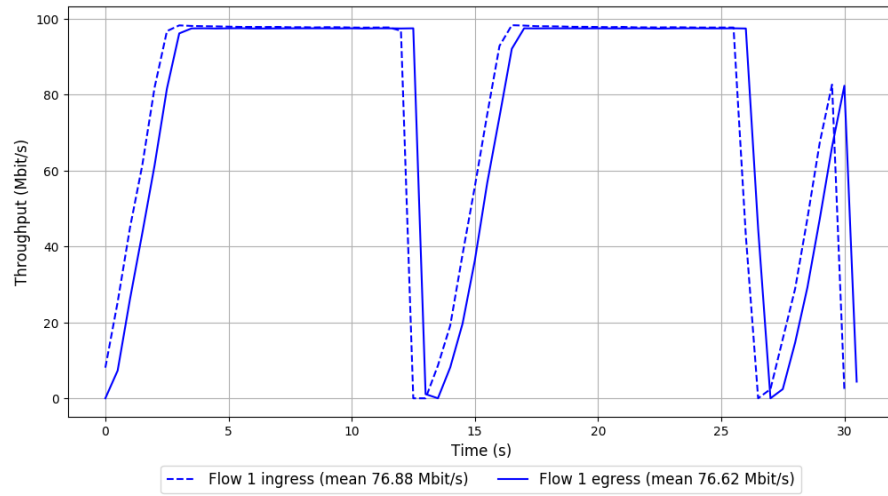
-- Flow 1:

Average throughput: 76.62 Mbit/s

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

Loss rate: 0.33%

Run 3: Report of LEDBAT — Data Link



Run 4: Statistics of LEDBAT

Start at: 2019-09-18 01:42:54

End at: 2019-09-18 01:43:24

Local clock offset: 4.461 ms

Remote clock offset: 7.141 ms

Below is generated by plot.py at 2019-09-18 02:31:44

Datalink statistics

-- Total of 1 flow:

Average throughput: 85.41 Mbit/s

95th percentile per-packet one-way delay: 41.115 ms

Loss rate: 0.02%

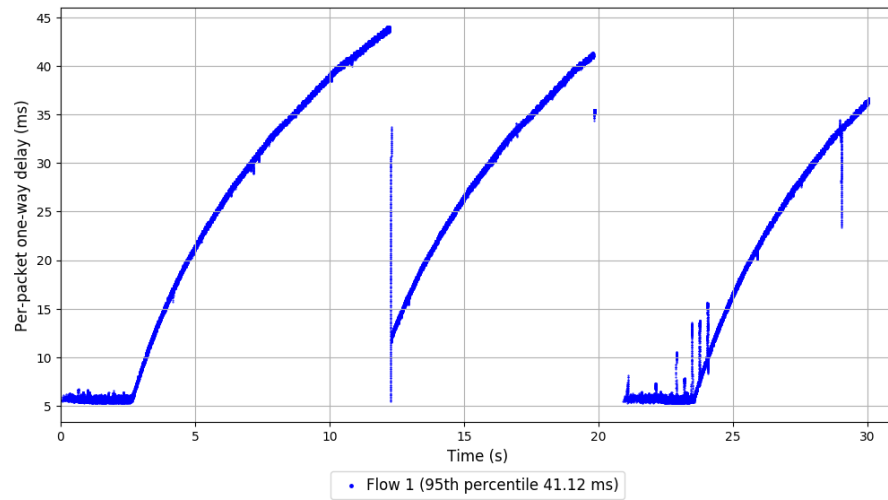
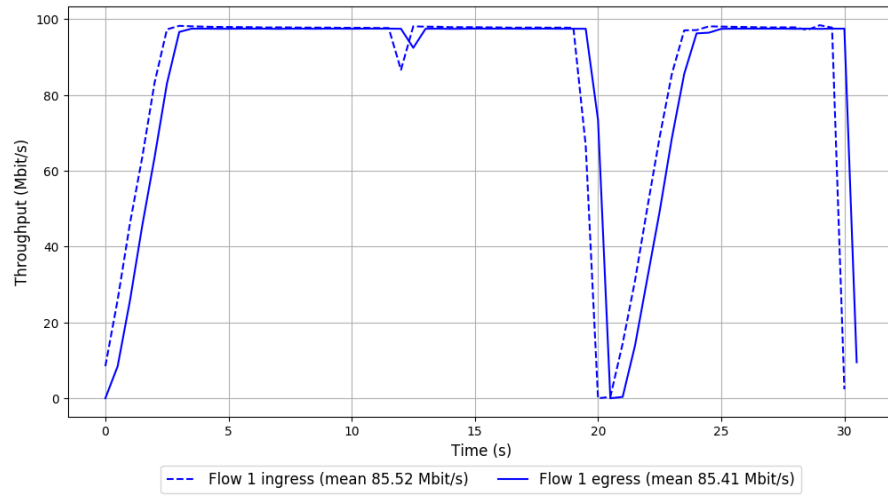
-- Flow 1:

Average throughput: 85.41 Mbit/s

95th percentile per-packet one-way delay: 41.115 ms

Loss rate: 0.02%

Run 4: Report of LEDBAT — Data Link



Run 5: Statistics of LEDBAT

Start at: 2019-09-18 02:11:40

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

Local clock offset: 0.959 ms

Remote clock offset: 6.275 ms

Below is generated by plot.py at 2019-09-18 02:31:45

Datalink statistics

-- Total of 1 flow:

Average throughput: 77.32 Mbit/s

95th percentile per-packet one-way delay: 46.917 ms

Loss rate: 0.20%

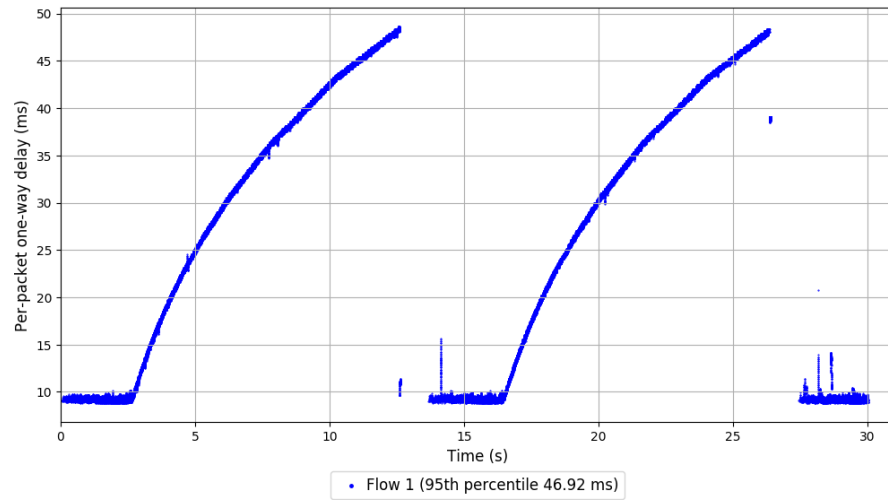
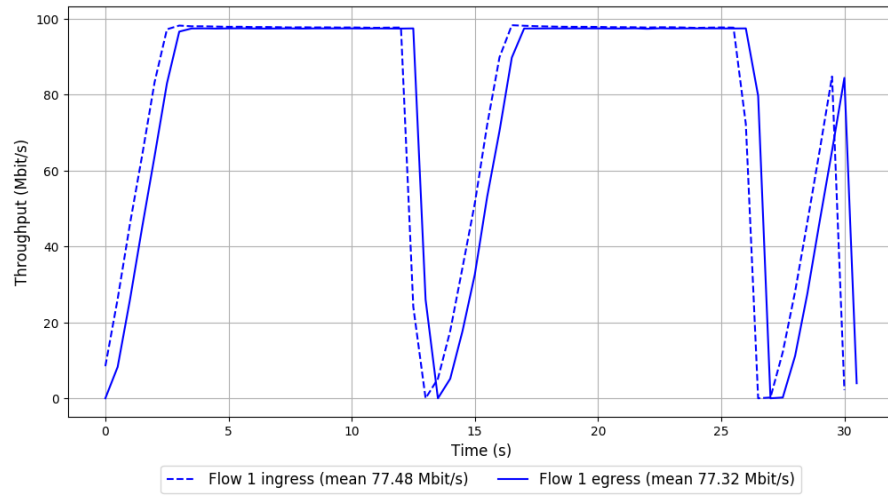
-- Flow 1:

Average throughput: 77.32 Mbit/s

95th percentile per-packet one-way delay: 46.917 ms

Loss rate: 0.20%

Run 5: Report of LEDBAT — Data Link

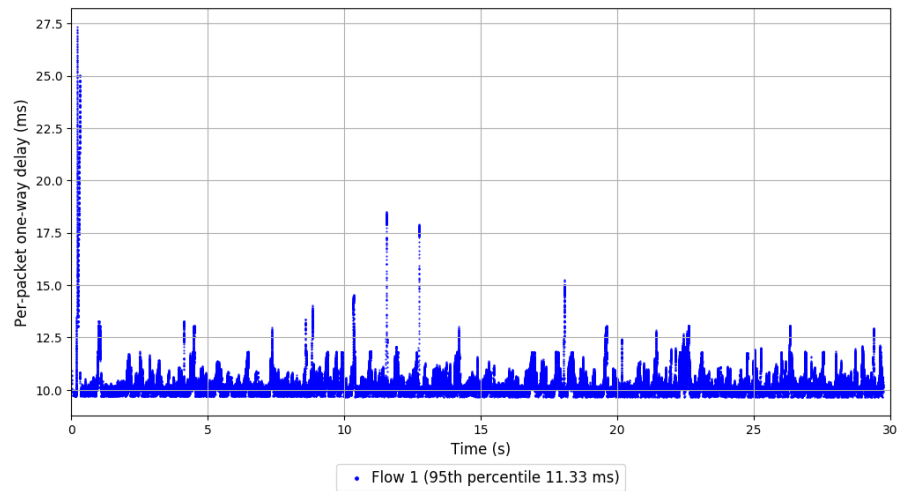
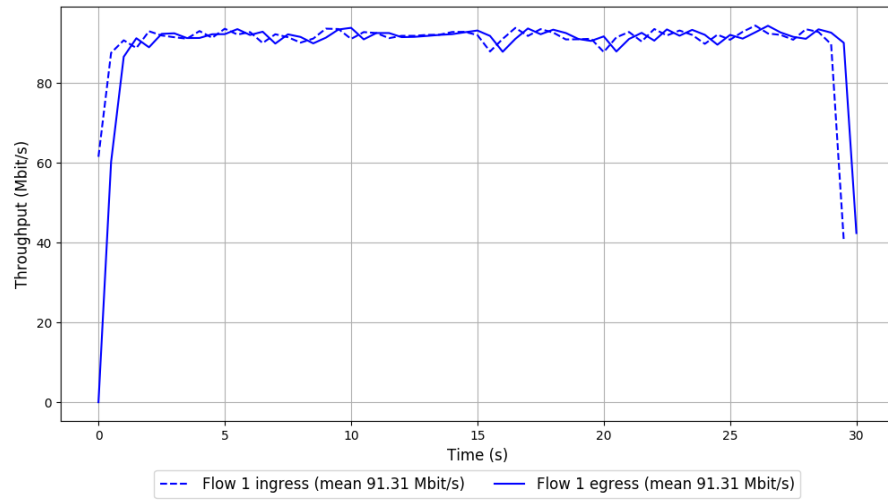


```
Run 1: Statistics of Muses\_DecisionTree

Start at: 2019-09-18 00:23:08
End at: 2019-09-18 00:23:38
Local clock offset: 1.482 ms
Remote clock offset: 6.27 ms

# Below is generated by plot.py at 2019-09-18 02:31:54
# Datalink statistics
-- Total of 1 flow:
Average throughput: 91.31 Mbit/s
95th percentile per-packet one-way delay: 11.332 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 91.31 Mbit/s
95th percentile per-packet one-way delay: 11.332 ms
Loss rate: 0.00%
```

Run 1: Report of Muses_DecisionTree — Data Link



Run 2: Statistics of Muses_DecisionTree

Start at: 2019-09-18 00:51:12

End at: 2019-09-18 00:51:42

Local clock offset: 1.959 ms

Remote clock offset: 6.428 ms

Below is generated by plot.py at 2019-09-18 02:31:54

Datalink statistics

-- Total of 1 flow:

Average throughput: 88.33 Mbit/s

95th percentile per-packet one-way delay: 10.922 ms

Loss rate: 0.00%

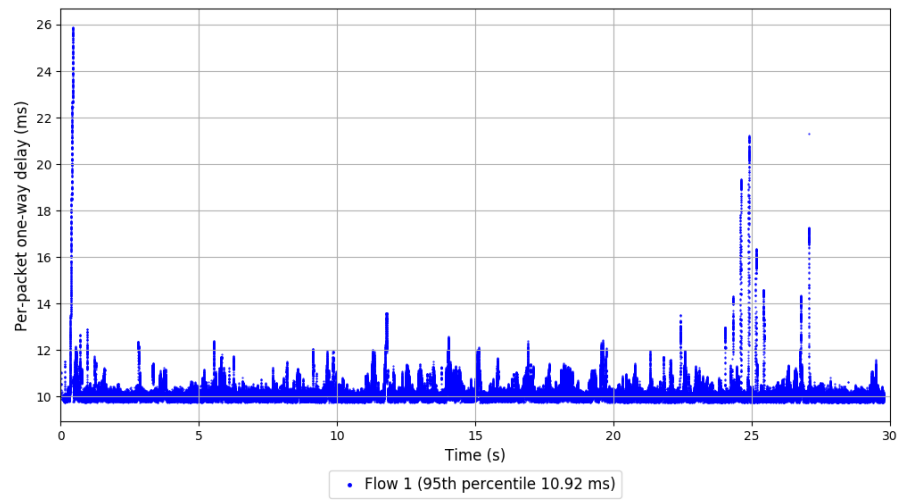
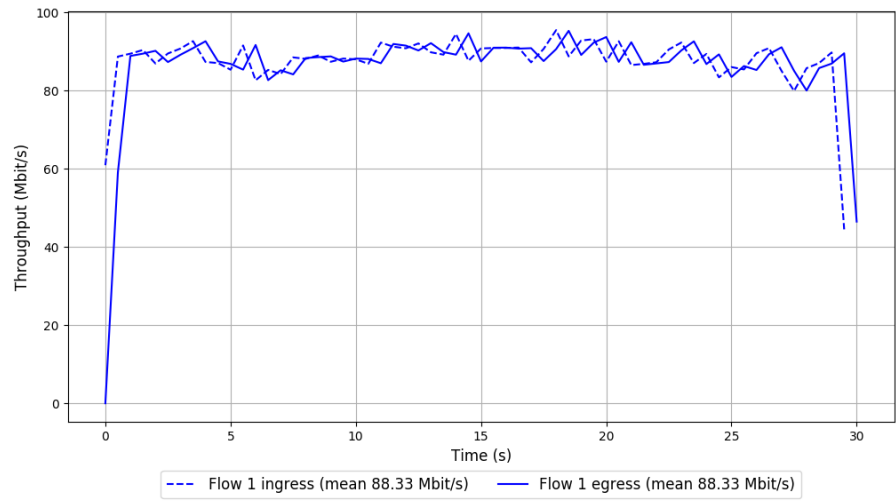
-- Flow 1:

Average throughput: 88.33 Mbit/s

95th percentile per-packet one-way delay: 10.922 ms

Loss rate: 0.00%

Run 2: Report of Muses_DecisionTree — Data Link



Run 3: Statistics of Muses_DecisionTree

Start at: 2019-09-18 01:19:31

End at: 2019-09-18 01:20:01

Local clock offset: 4.851 ms

Remote clock offset: 6.341 ms

Below is generated by plot.py at 2019-09-18 02:31:56

Datalink statistics

-- Total of 1 flow:

Average throughput: 91.66 Mbit/s

95th percentile per-packet one-way delay: 6.698 ms

Loss rate: 0.00%

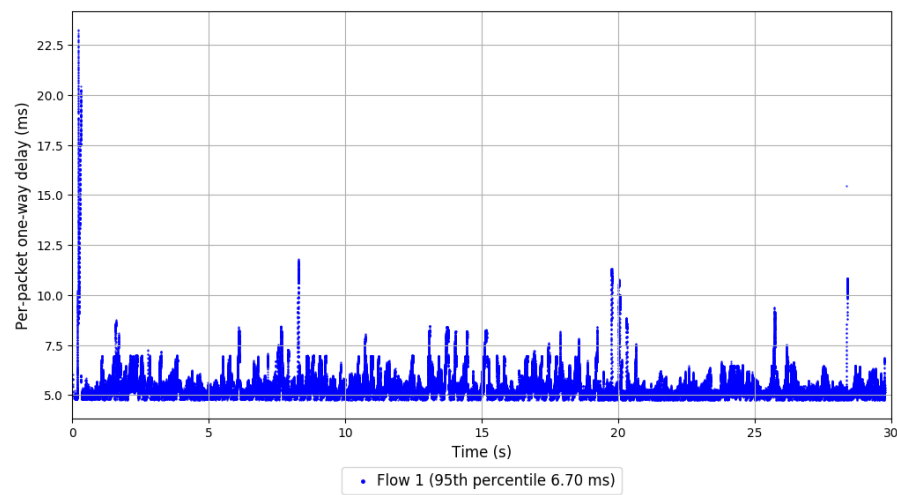
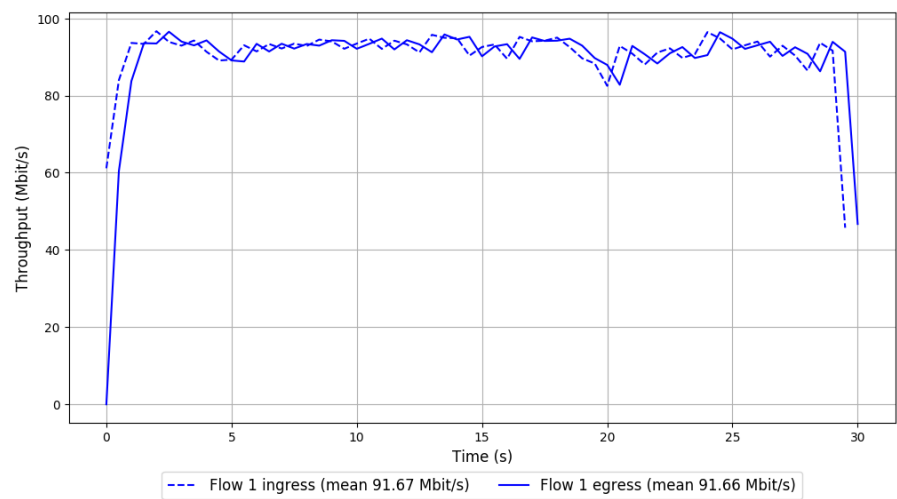
-- Flow 1:

Average throughput: 91.66 Mbit/s

95th percentile per-packet one-way delay: 6.698 ms

Loss rate: 0.00%

Run 3: Report of Muses_DecisionTree — Data Link



Run 4: Statistics of Muses_DecisionTree

Start at: 2019-09-18 01:47:50

End at: 2019-09-18 01:48:20

Local clock offset: 4.518 ms

Remote clock offset: 5.951 ms

Below is generated by plot.py at 2019-09-18 02:31:57

Datalink statistics

-- Total of 1 flow:

Average throughput: 91.00 Mbit/s

95th percentile per-packet one-way delay: 5.906 ms

Loss rate: 0.00%

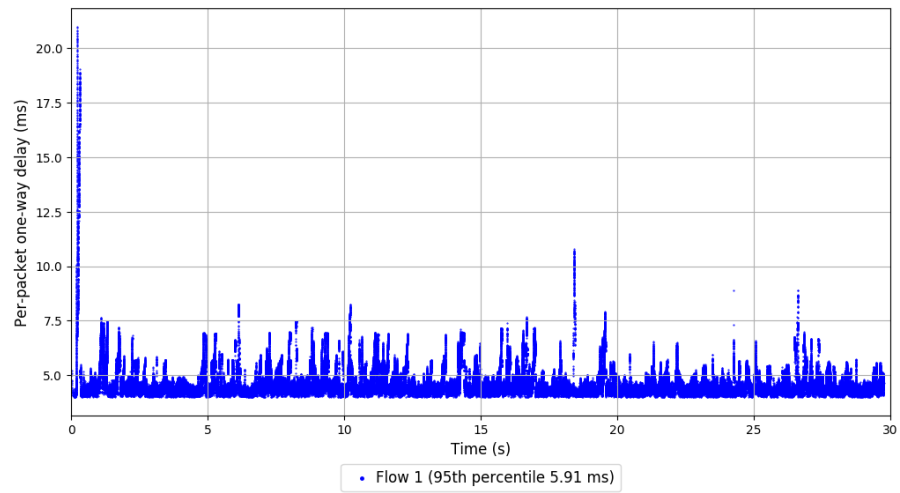
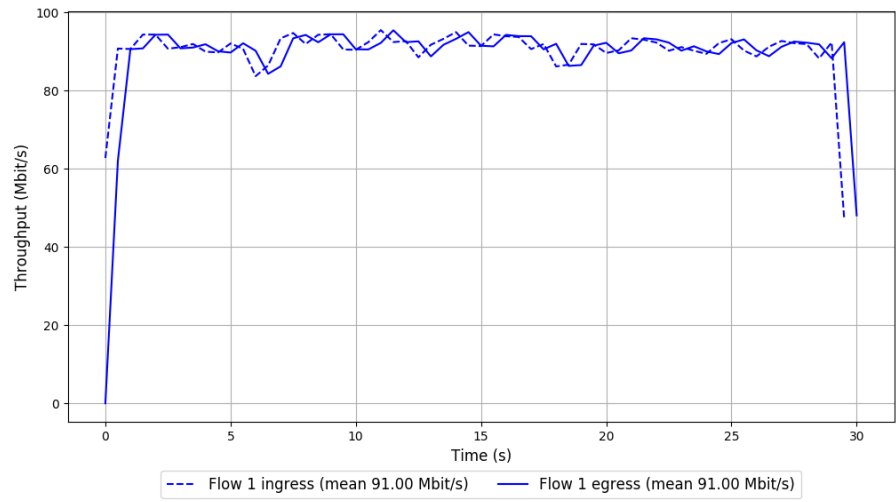
-- Flow 1:

Average throughput: 91.00 Mbit/s

95th percentile per-packet one-way delay: 5.906 ms

Loss rate: 0.00%

Run 4: Report of Muses_DecisionTree — Data Link



Run 5: Statistics of Muses_DecisionTree

Start at: 2019-09-18 02:16:21

End at: 2019-09-18 02:16:51

Local clock offset: 6.262 ms

Remote clock offset: 6.431 ms

Below is generated by plot.py at 2019-09-18 02:32:00

Datalink statistics

-- Total of 1 flow:

Average throughput: 90.04 Mbit/s

95th percentile per-packet one-way delay: 5.592 ms

Loss rate: 0.00%

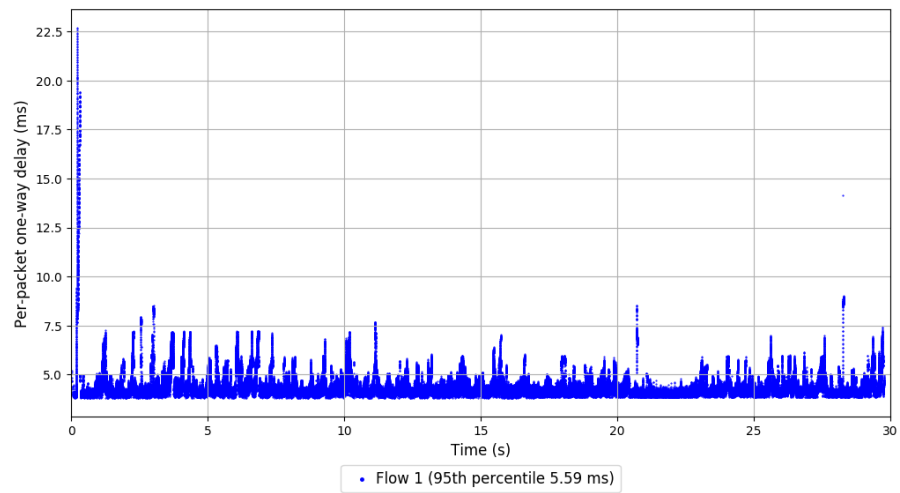
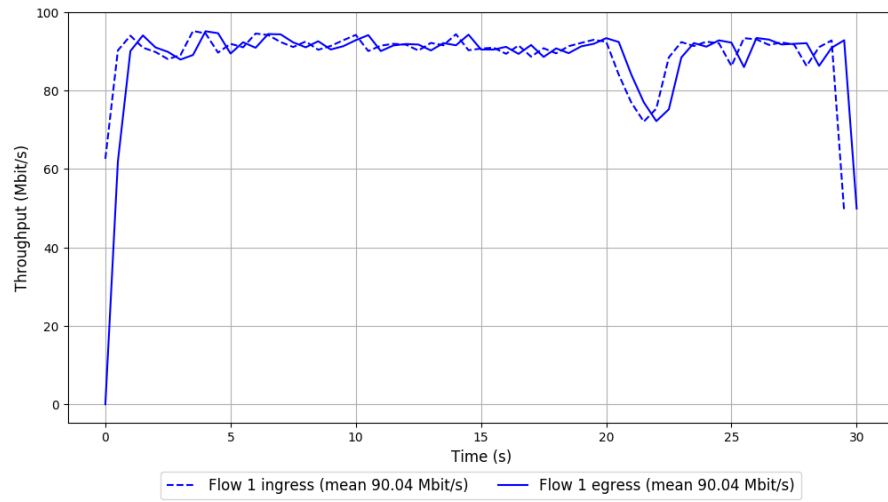
-- Flow 1:

Average throughput: 90.04 Mbit/s

95th percentile per-packet one-way delay: 5.592 ms

Loss rate: 0.00%

Run 5: Report of Muses_DecisionTree — Data Link



Run 1: Statistics of Muses_DecisionTreeH0

Start at: 2019-09-18 00:21:51

End at: 2019-09-18 00:22:21

Local clock offset: 5.918 ms

Remote clock offset: 6.057 ms

Below is generated by plot.py at 2019-09-18 02:32:08

Datalink statistics

-- Total of 1 flow:

Average throughput: 95.91 Mbit/s

95th percentile per-packet one-way delay: 8.697 ms

Loss rate: 0.00%

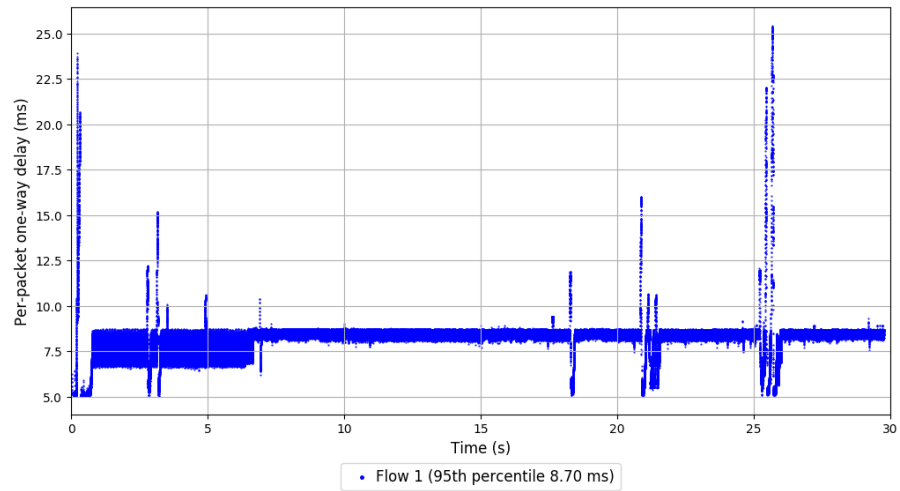
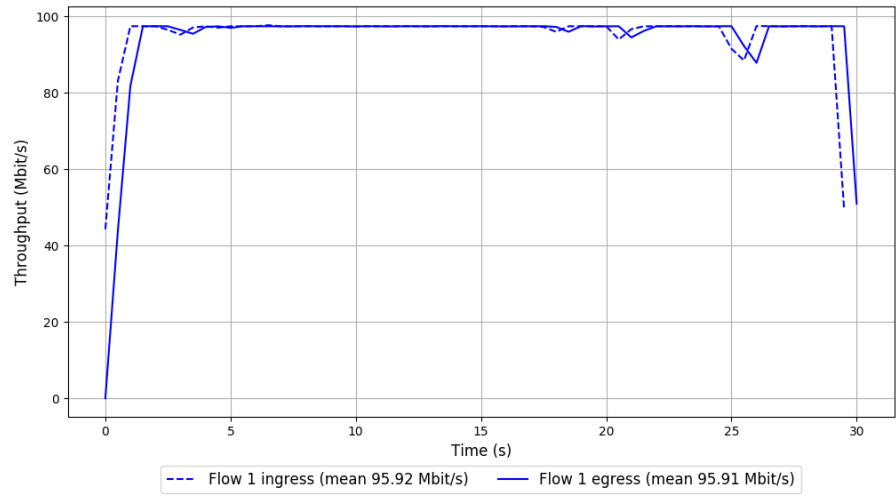
-- Flow 1:

Average throughput: 95.91 Mbit/s

95th percentile per-packet one-way delay: 8.697 ms

Loss rate: 0.00%

Run 1: Report of Muses_DecisionTreeH0 — Data Link



Run 2: Statistics of Muses_DecisionTreeH0

Start at: 2019-09-18 00:50:00

End at: 2019-09-18 00:50:30

Local clock offset: 6.255 ms

Remote clock offset: 5.808 ms

Below is generated by plot.py at 2019-09-18 02:32:55

Datalink statistics

-- Total of 1 flow:

Average throughput: 95.35 Mbit/s

95th percentile per-packet one-way delay: 9.267 ms

Loss rate: 0.00%

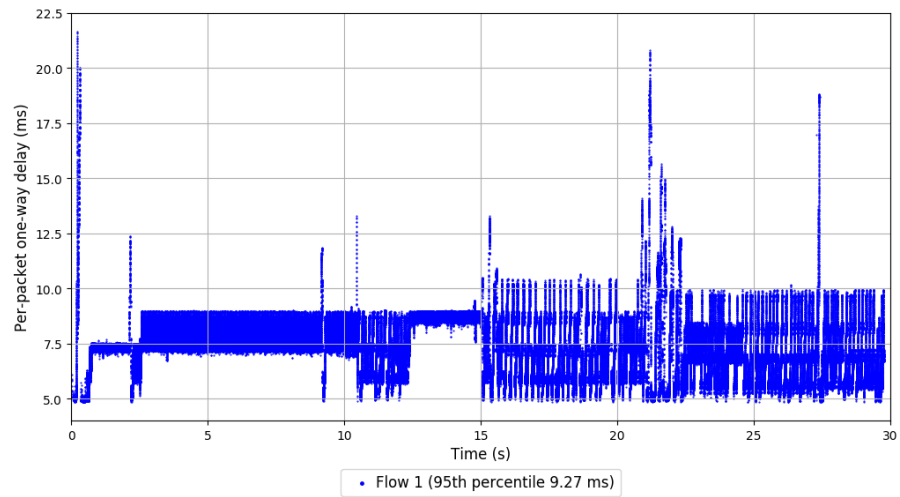
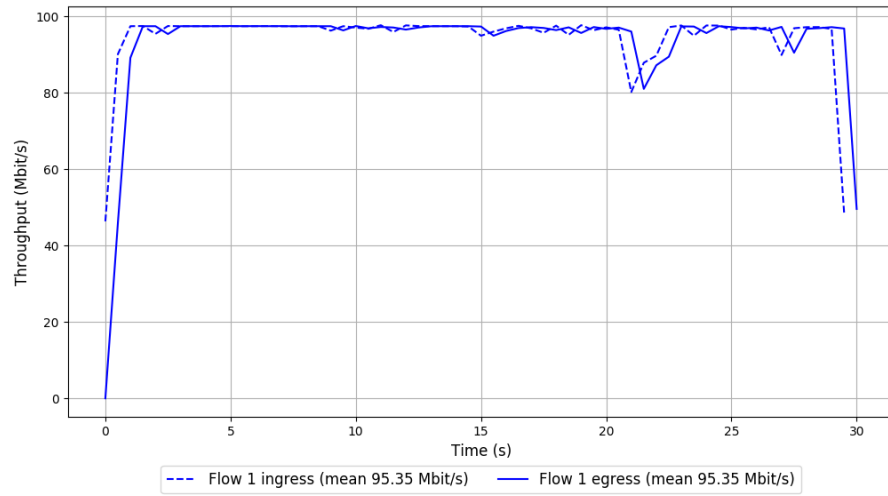
-- Flow 1:

Average throughput: 95.35 Mbit/s

95th percentile per-packet one-way delay: 9.267 ms

Loss rate: 0.00%

Run 2: Report of Muses_DecisionTreeH0 — Data Link



Run 3: Statistics of Muses_DecisionTreeH0

Start at: 2019-09-18 01:18:20

End at: 2019-09-18 01:18:50

Local clock offset: 4.785 ms

Remote clock offset: 6.269 ms

Below is generated by plot.py at 2019-09-18 02:32:56

Datalink statistics

-- Total of 1 flow:

Average throughput: 96.18 Mbit/s

95th percentile per-packet one-way delay: 8.554 ms

Loss rate: 0.00%

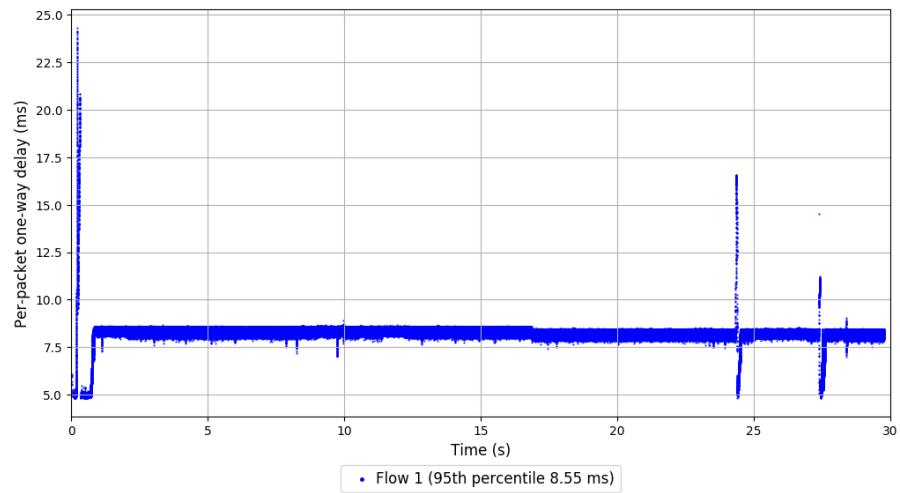
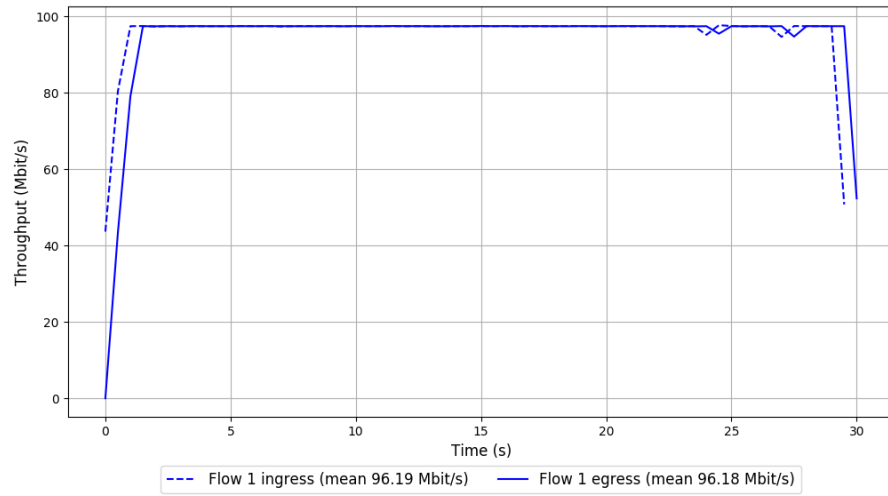
-- Flow 1:

Average throughput: 96.18 Mbit/s

95th percentile per-packet one-way delay: 8.554 ms

Loss rate: 0.00%

Run 3: Report of Muses_DecisionTreeH0 — Data Link



Run 4: Statistics of Muses_DecisionTreeH0

Start at: 2019-09-18 01:46:37

End at: 2019-09-18 01:47:07

Local clock offset: 0.791 ms

Remote clock offset: 6.84 ms

Below is generated by plot.py at 2019-09-18 02:33:03

Datalink statistics

-- Total of 1 flow:

Average throughput: 96.19 Mbit/s

95th percentile per-packet one-way delay: 12.198 ms

Loss rate: 0.00%

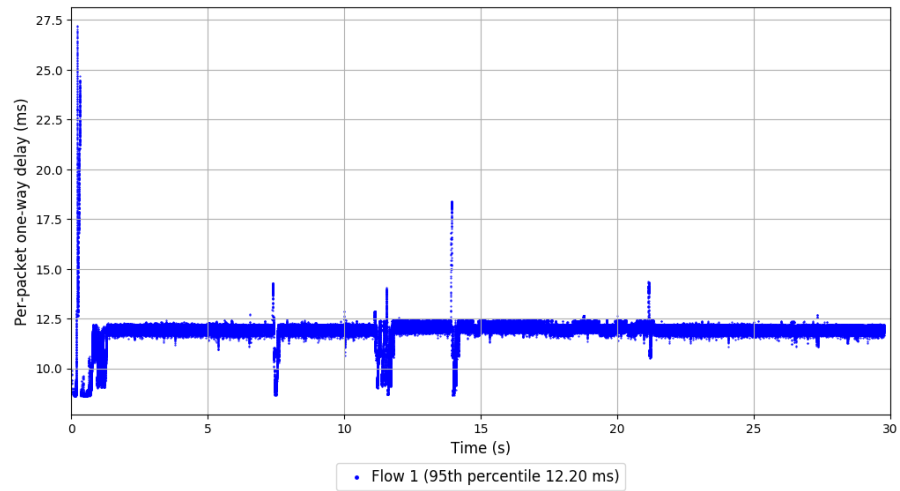
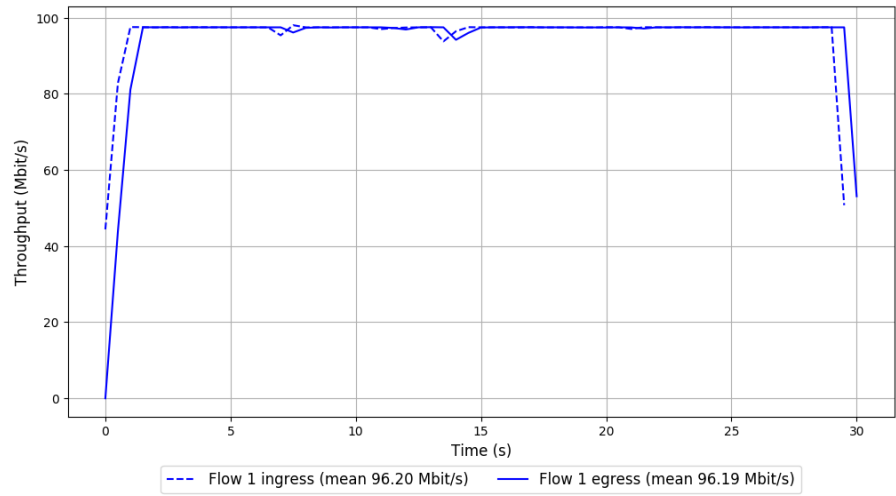
-- Flow 1:

Average throughput: 96.19 Mbit/s

95th percentile per-packet one-way delay: 12.198 ms

Loss rate: 0.00%

Run 4: Report of Muses_DecisionTreeH0 — Data Link

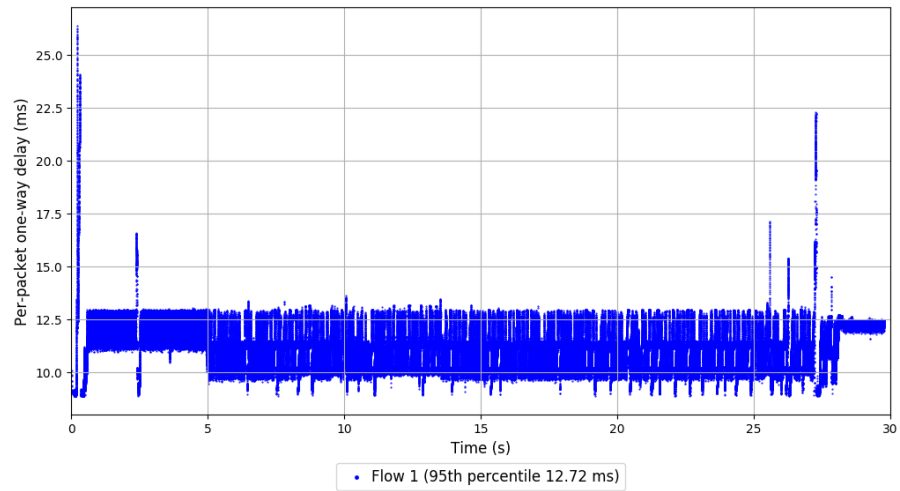
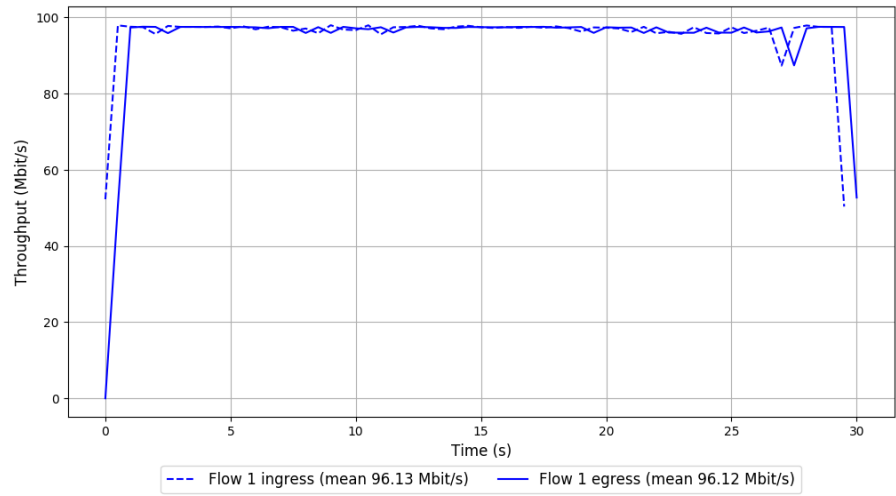


```
Run 5: Statistics of Muses\_DecisionTreeH0

Start at: 2019-09-18 02:15:10
End at: 2019-09-18 02:15:40
Local clock offset: 1.98 ms
Remote clock offset: 7.328 ms

# Below is generated by plot.py at 2019-09-18 02:33:06
# Datalink statistics
-- Total of 1 flow:
Average throughput: 96.12 Mbit/s
95th percentile per-packet one-way delay: 12.724 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 96.12 Mbit/s
95th percentile per-packet one-way delay: 12.724 ms
Loss rate: 0.00%
```

Run 5: Report of Muses_DecisionTreeH0 — Data Link

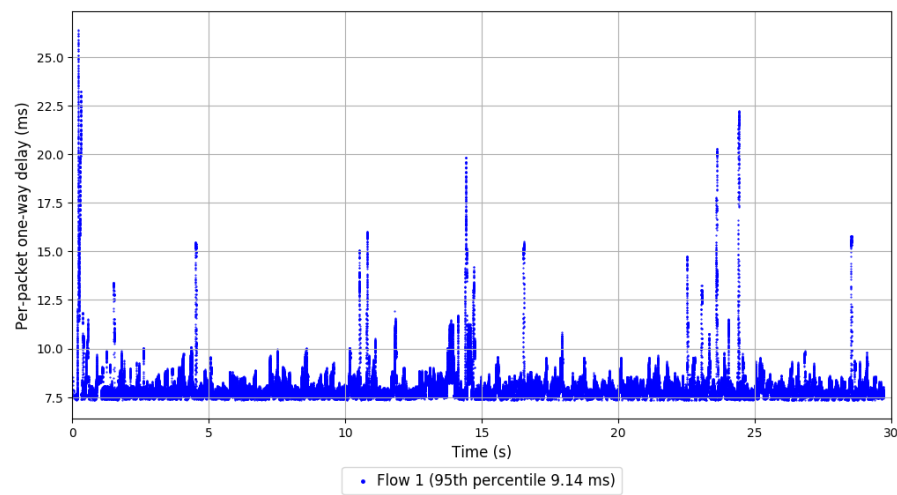
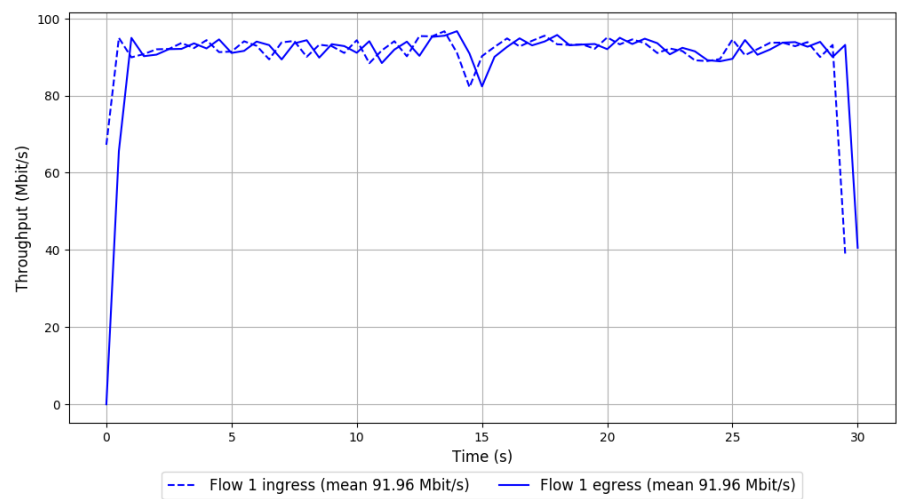


```
Run 1: Statistics of Muses\_DecisionTreeR0

Start at: 2019-09-18 00:03:21
End at: 2019-09-18 00:03:51
Local clock offset: 1.961 ms
Remote clock offset: 3.661 ms

# Below is generated by plot.py at 2019-09-18 02:33:06
# Datalink statistics
-- Total of 1 flow:
Average throughput: 91.96 Mbit/s
95th percentile per-packet one-way delay: 9.142 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 91.96 Mbit/s
95th percentile per-packet one-way delay: 9.142 ms
Loss rate: 0.00%
```

Run 1: Report of Muses_DecisionTreeR0 — Data Link



Run 2: Statistics of Muses_DecisionTreeR0

Start at: 2019-09-18 00:31:23

End at: 2019-09-18 00:31:53

Local clock offset: 5.453 ms

Remote clock offset: 5.263 ms

Below is generated by plot.py at 2019-09-18 02:33:06

Datalink statistics

-- Total of 1 flow:

Average throughput: 90.84 Mbit/s

95th percentile per-packet one-way delay: 6.132 ms

Loss rate: 0.00%

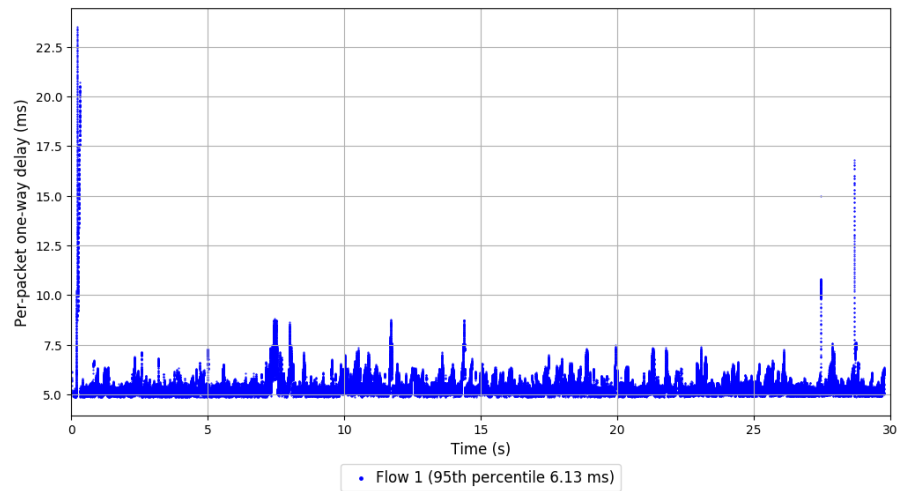
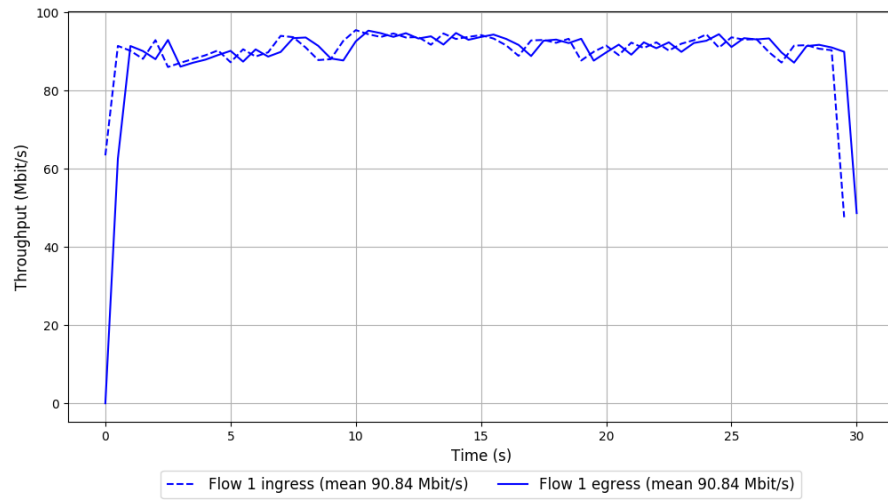
-- Flow 1:

Average throughput: 90.84 Mbit/s

95th percentile per-packet one-way delay: 6.132 ms

Loss rate: 0.00%

Run 2: Report of Muses_DecisionTreeR0 — Data Link



Run 3: Statistics of Muses_DecisionTreeR0

Start at: 2019-09-18 00:59:35

End at: 2019-09-18 01:00:05

Local clock offset: 5.463 ms

Remote clock offset: 4.646 ms

Below is generated by plot.py at 2019-09-18 02:33:09

Datalink statistics

-- Total of 1 flow:

Average throughput: 92.16 Mbit/s

95th percentile per-packet one-way delay: 5.557 ms

Loss rate: 0.00%

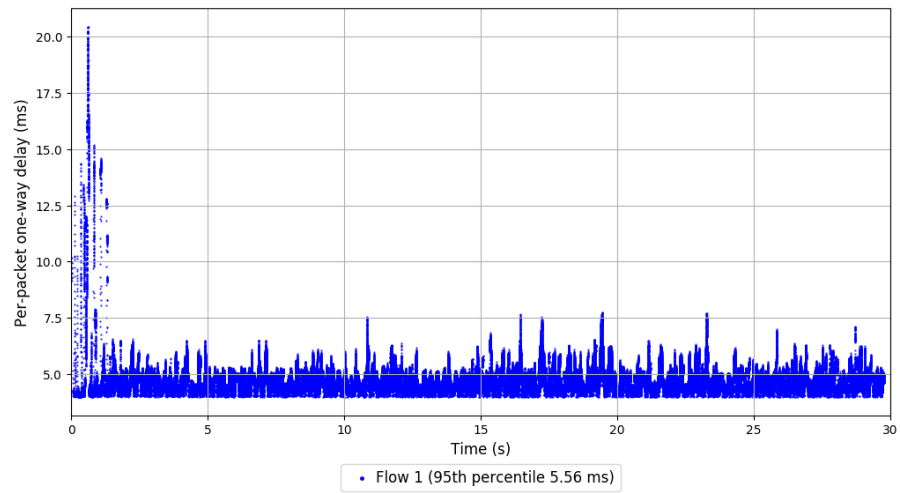
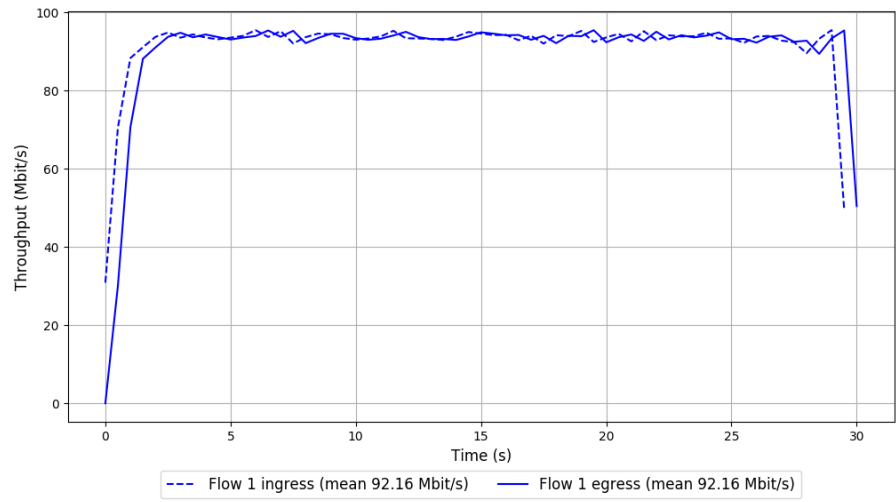
-- Flow 1:

Average throughput: 92.16 Mbit/s

95th percentile per-packet one-way delay: 5.557 ms

Loss rate: 0.00%

Run 3: Report of Muses_DecisionTreeR0 — Data Link



Run 4: Statistics of Muses_DecisionTreeR0

Start at: 2019-09-18 01:27:42

End at: 2019-09-18 01:28:12

Local clock offset: 0.102 ms

Remote clock offset: 5.517 ms

Below is generated by plot.py at 2019-09-18 02:33:18

Datalink statistics

-- Total of 1 flow:

Average throughput: 91.45 Mbit/s

95th percentile per-packet one-way delay: 9.789 ms

Loss rate: 0.00%

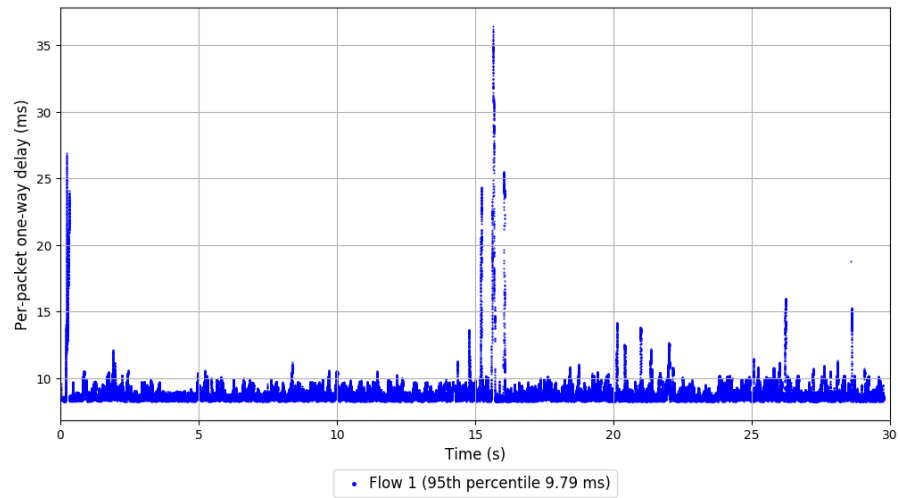
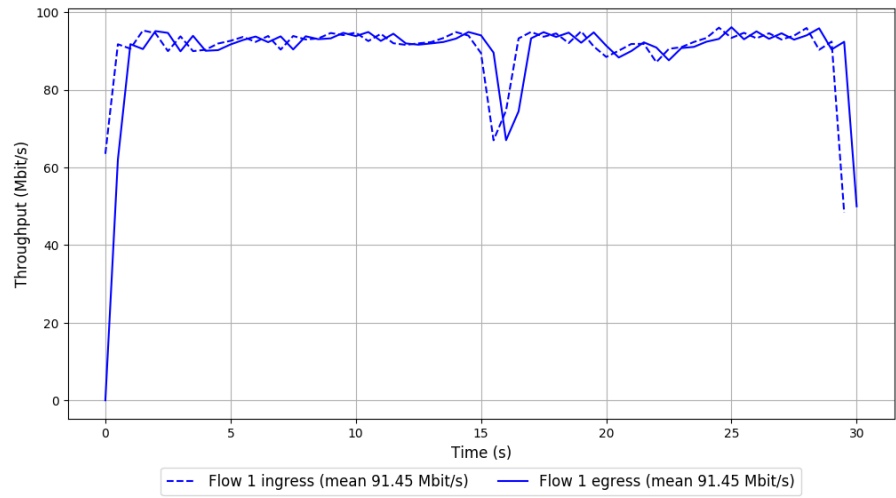
-- Flow 1:

Average throughput: 91.45 Mbit/s

95th percentile per-packet one-way delay: 9.789 ms

Loss rate: 0.00%

Run 4: Report of Muses_DecisionTreeR0 — Data Link



Run 5: Statistics of Muses_DecisionTreeR0

Start at: 2019-09-18 01:56:20

End at: 2019-09-18 01:56:50

Local clock offset: 0.277 ms

Remote clock offset: 6.964 ms

Below is generated by plot.py at 2019-09-18 02:34:04

Datalink statistics

-- Total of 1 flow:

Average throughput: 89.61 Mbit/s

95th percentile per-packet one-way delay: 12.087 ms

Loss rate: 0.00%

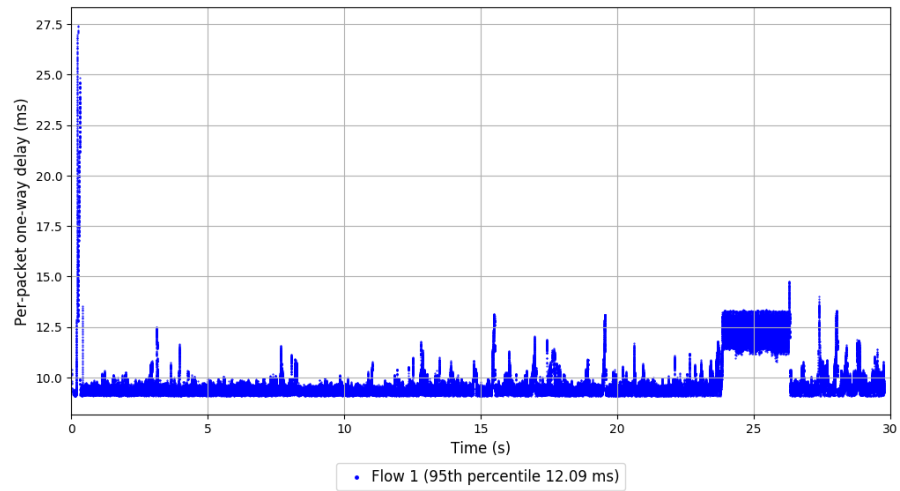
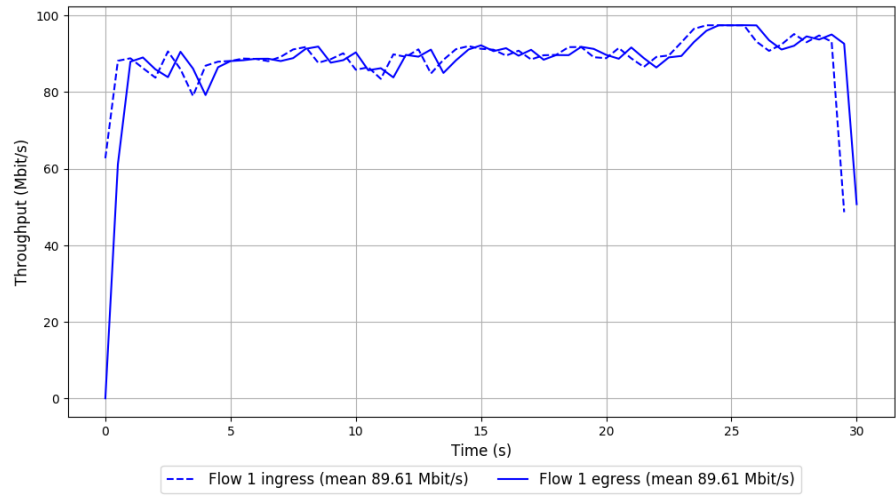
-- Flow 1:

Average throughput: 89.61 Mbit/s

95th percentile per-packet one-way delay: 12.087 ms

Loss rate: 0.00%

Run 5: Report of Muses_DecisionTreeR0 — Data Link

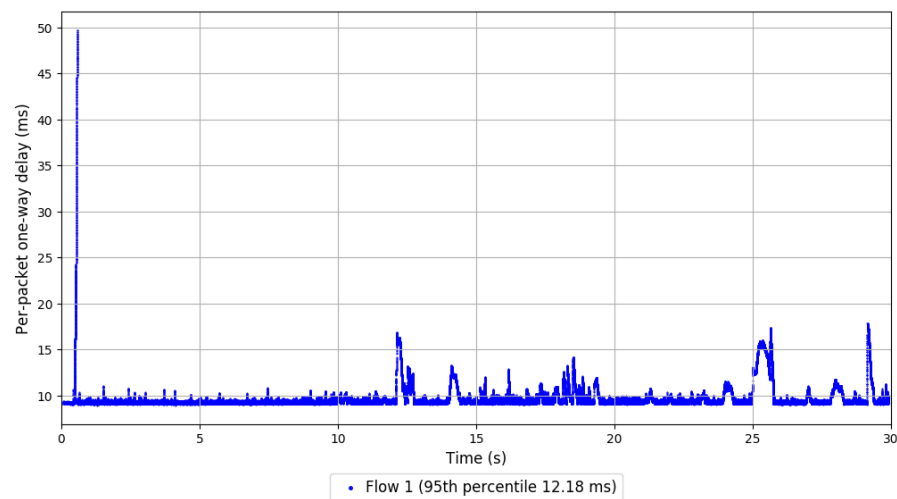
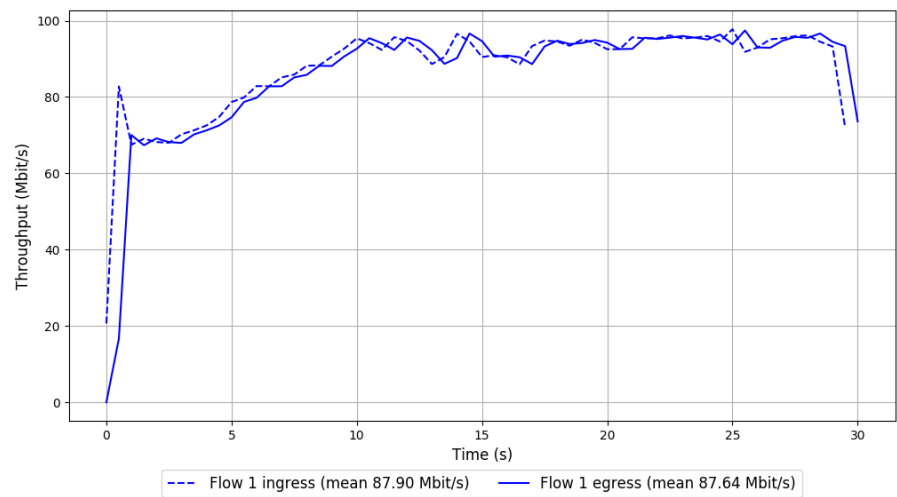


```
Run 1: Statistics of PCC-Allegro

Start at: 2019-09-18 00:12:45
End at: 2019-09-18 00:13:15
Local clock offset: 1.763 ms
Remote clock offset: 5.542 ms

# Below is generated by plot.py at 2019-09-18 02:34:04
# Datalink statistics
-- Total of 1 flow:
Average throughput: 87.64 Mbit/s
95th percentile per-packet one-way delay: 12.179 ms
Loss rate: 0.30%
-- Flow 1:
Average throughput: 87.64 Mbit/s
95th percentile per-packet one-way delay: 12.179 ms
Loss rate: 0.30%
```

Run 1: Report of PCC-Allegro — Data Link



Run 2: Statistics of PCC-Allegro

Start at: 2019-09-18 00:40:39

End at: 2019-09-18 00:41:10

Local clock offset: 1.006 ms

Remote clock offset: 5.545 ms

Below is generated by plot.py at 2019-09-18 02:34:09

Datalink statistics

-- Total of 1 flow:

Average throughput: 89.00 Mbit/s

95th percentile per-packet one-way delay: 12.325 ms

Loss rate: 0.29%

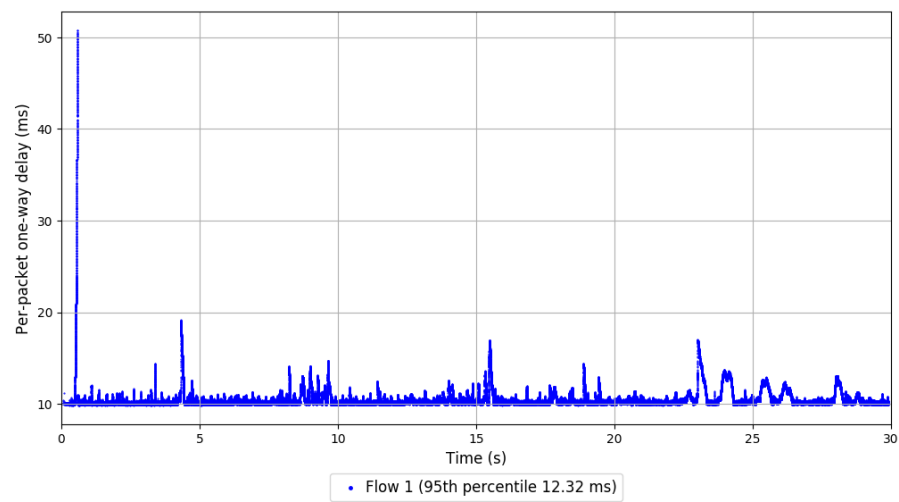
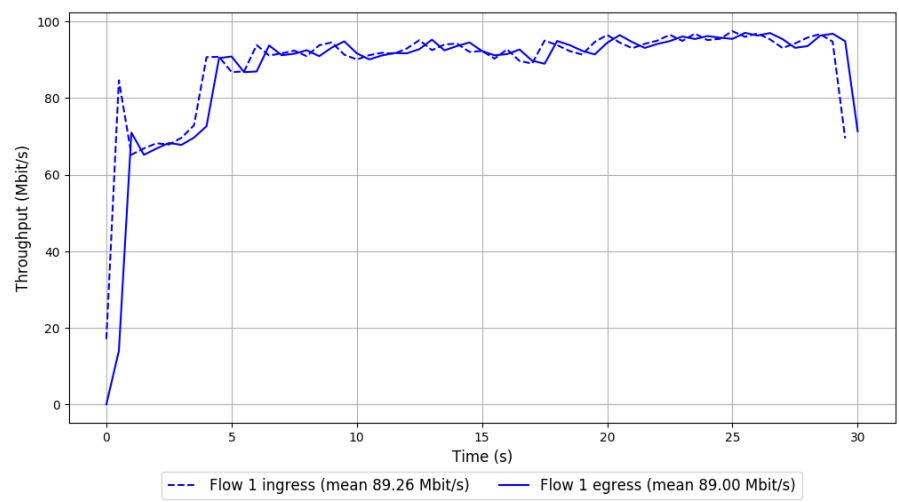
-- Flow 1:

Average throughput: 89.00 Mbit/s

95th percentile per-packet one-way delay: 12.325 ms

Loss rate: 0.29%

Run 2: Report of PCC-Allegro — Data Link



Run 3: Statistics of PCC-Allegro

Start at: 2019-09-18 01:09:06

End at: 2019-09-18 01:09:36

Local clock offset: 5.353 ms

Remote clock offset: 6.053 ms

Below is generated by plot.py at 2019-09-18 02:34:09

Datalink statistics

-- Total of 1 flow:

Average throughput: 47.10 Mbit/s

95th percentile per-packet one-way delay: 8.107 ms

Loss rate: 0.00%

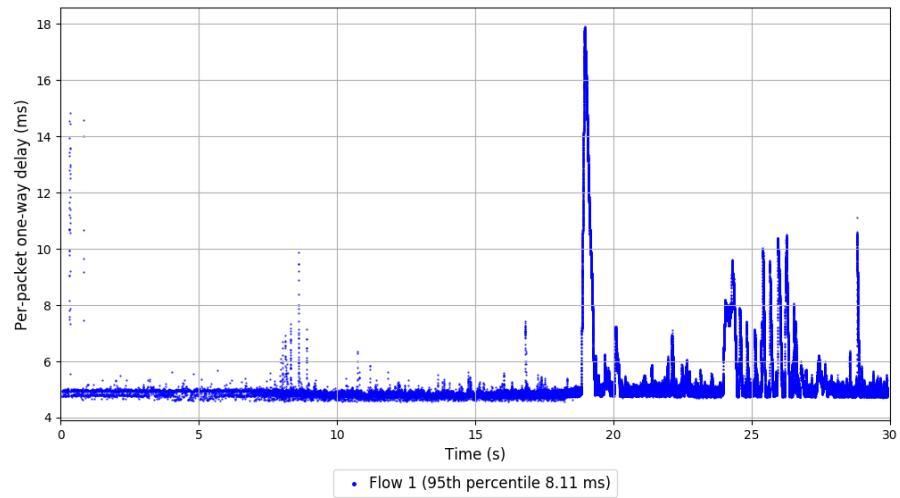
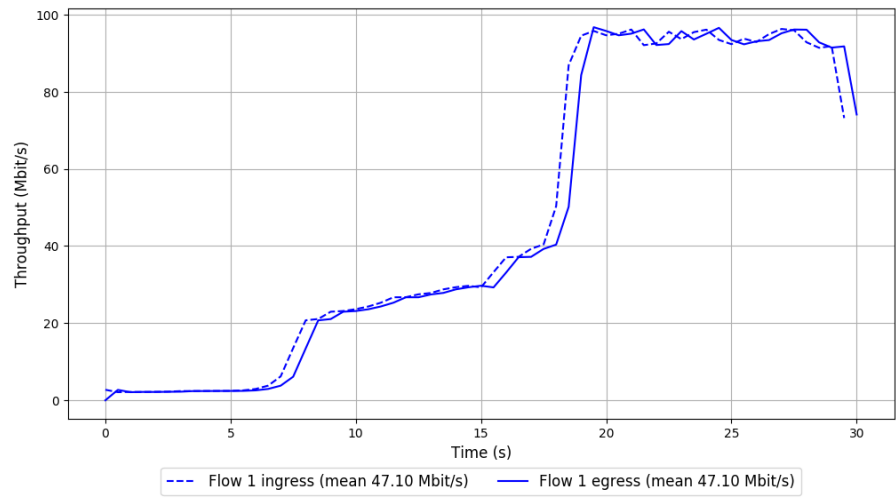
-- Flow 1:

Average throughput: 47.10 Mbit/s

95th percentile per-packet one-way delay: 8.107 ms

Loss rate: 0.00%

Run 3: Report of PCC-Allegro — Data Link



Run 4: Statistics of PCC-Allegro

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

End at: 2019-09-18 01:37:48

Local clock offset: -0.518 ms

Remote clock offset: 6.616 ms

Below is generated by plot.py at 2019-09-18 02:34:12

Datalink statistics

-- Total of 1 flow:

Average throughput: 90.58 Mbit/s

95th percentile per-packet one-way delay: 12.855 ms

Loss rate: 0.31%

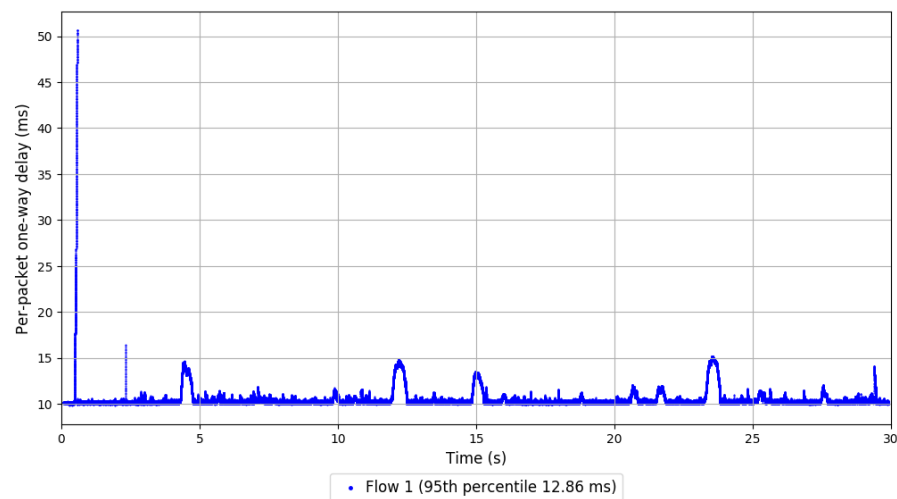
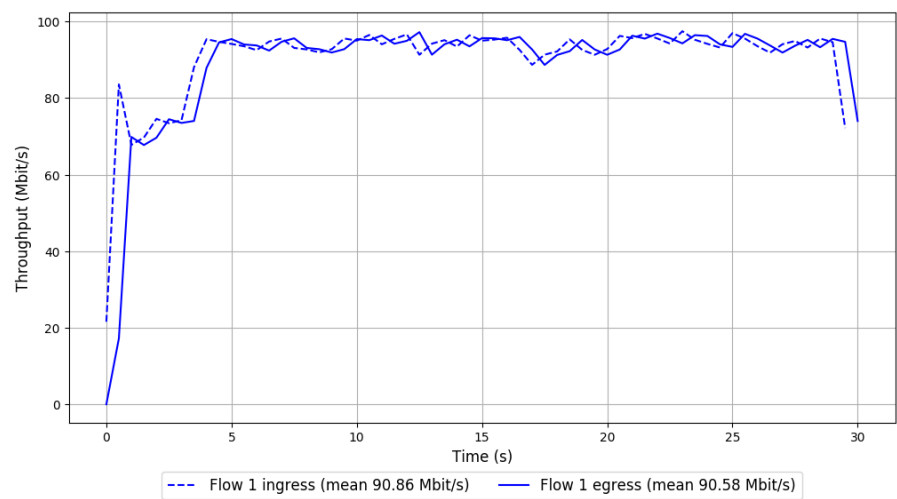
-- Flow 1:

Average throughput: 90.58 Mbit/s

95th percentile per-packet one-way delay: 12.855 ms

Loss rate: 0.31%

Run 4: Report of PCC-Allegro — Data Link



Run 5: Statistics of PCC-Allegro

Start at: 2019-09-18 02:06:00

End at: 2019-09-18 02:06:30

Local clock offset: 5.571 ms

Remote clock offset: 7.407 ms

Below is generated by plot.py at 2019-09-18 02:34:14

Datalink statistics

-- Total of 1 flow:

Average throughput: 89.91 Mbit/s

95th percentile per-packet one-way delay: 7.324 ms

Loss rate: 0.30%

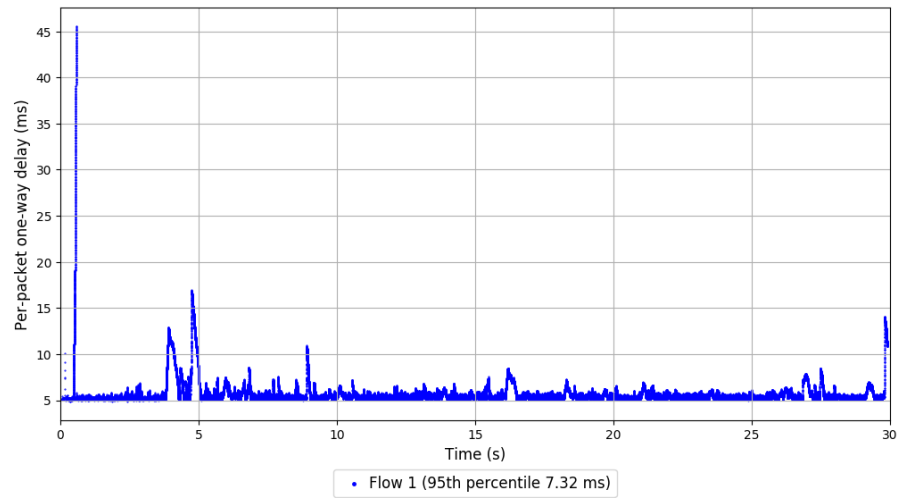
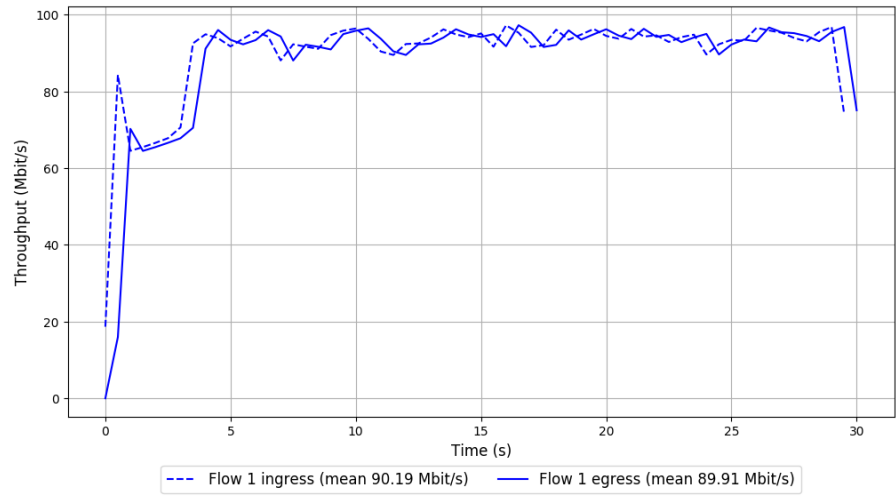
-- Flow 1:

Average throughput: 89.91 Mbit/s

95th percentile per-packet one-way delay: 7.324 ms

Loss rate: 0.30%

Run 5: Report of PCC-Allegro — Data Link



Run 1: Statistics of PCC-Expr

Start at: 2019-09-18 00:16:11

End at: 2019-09-18 00:16:41

Local clock offset: 1.359 ms

Remote clock offset: 5.351 ms

Below is generated by plot.py at 2019-09-18 02:34:14

Datalink statistics

-- Total of 1 flow:

Average throughput: 13.10 Mbit/s

95th percentile per-packet one-way delay: 9.362 ms

Loss rate: 44.19%

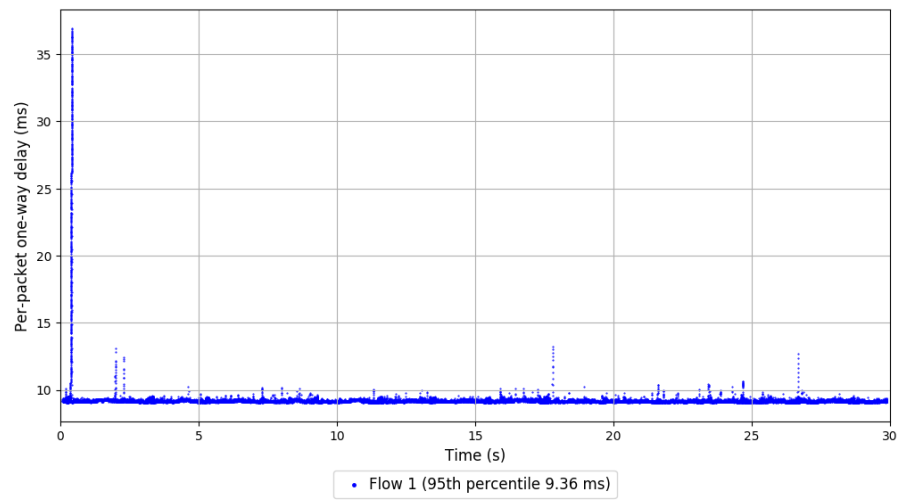
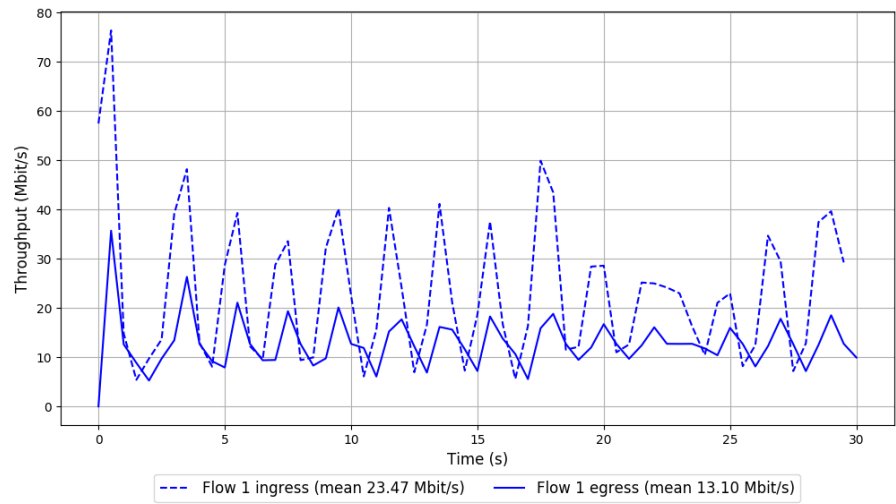
-- Flow 1:

Average throughput: 13.10 Mbit/s

95th percentile per-packet one-way delay: 9.362 ms

Loss rate: 44.19%

Run 1: Report of PCC-Expr — Data Link



Run 2: Statistics of PCC-Expr

Start at: 2019-09-18 00:44:10

End at: 2019-09-18 00:44:40

Local clock offset: 5.441 ms

Remote clock offset: 6.125 ms

Below is generated by plot.py at 2019-09-18 02:34:14

Datalink statistics

-- Total of 1 flow:

Average throughput: 13.10 Mbit/s

95th percentile per-packet one-way delay: 6.375 ms

Loss rate: 42.75%

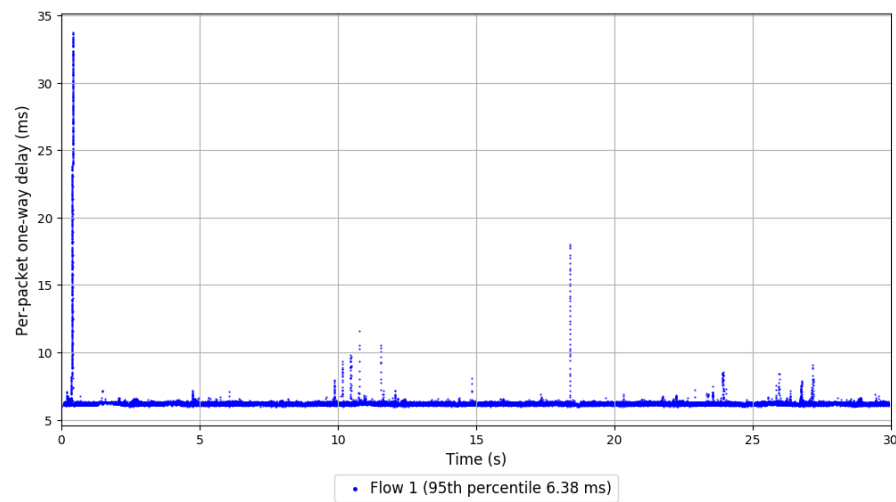
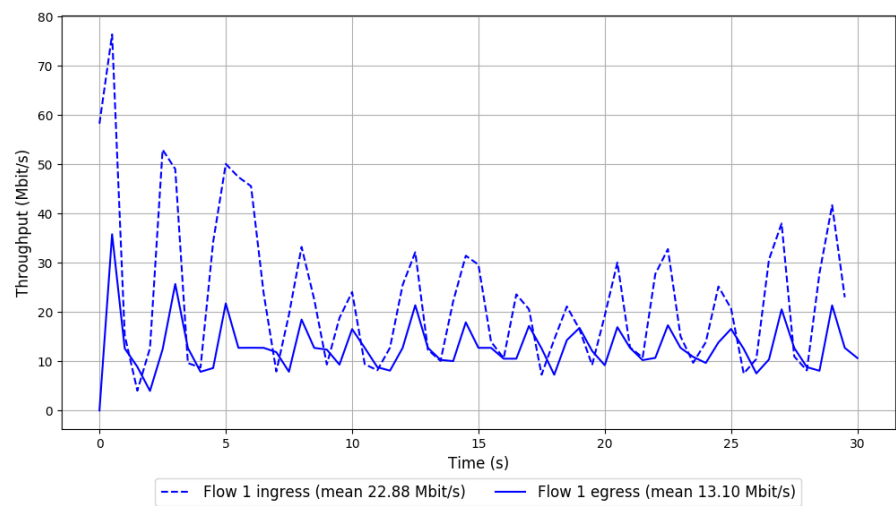
-- Flow 1:

Average throughput: 13.10 Mbit/s

95th percentile per-packet one-way delay: 6.375 ms

Loss rate: 42.75%

Run 2: Report of PCC-Expr — Data Link



Run 3: Statistics of PCC-Expr

Start at: 2019-09-18 01:12:31

End at: 2019-09-18 01:13:01

Local clock offset: 0.587 ms

Remote clock offset: 4.646 ms

Below is generated by plot.py at 2019-09-18 02:34:14

Datalink statistics

-- Total of 1 flow:

Average throughput: 13.10 Mbit/s

95th percentile per-packet one-way delay: 8.142 ms

Loss rate: 40.47%

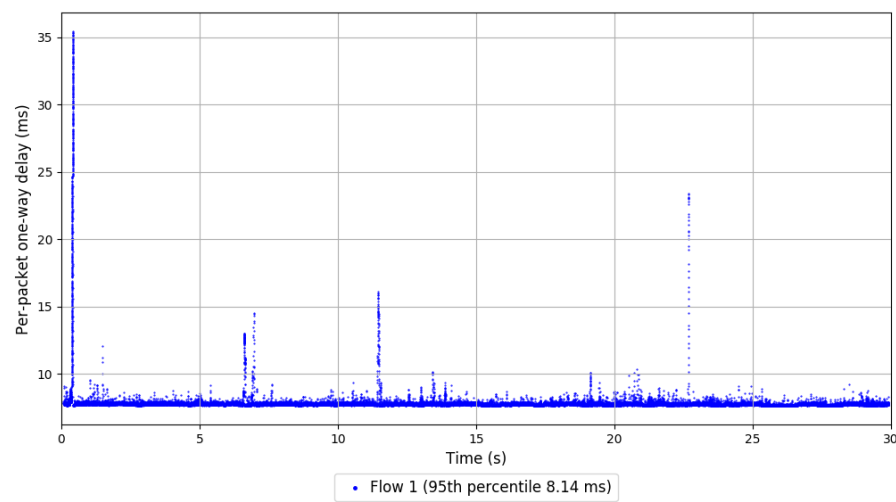
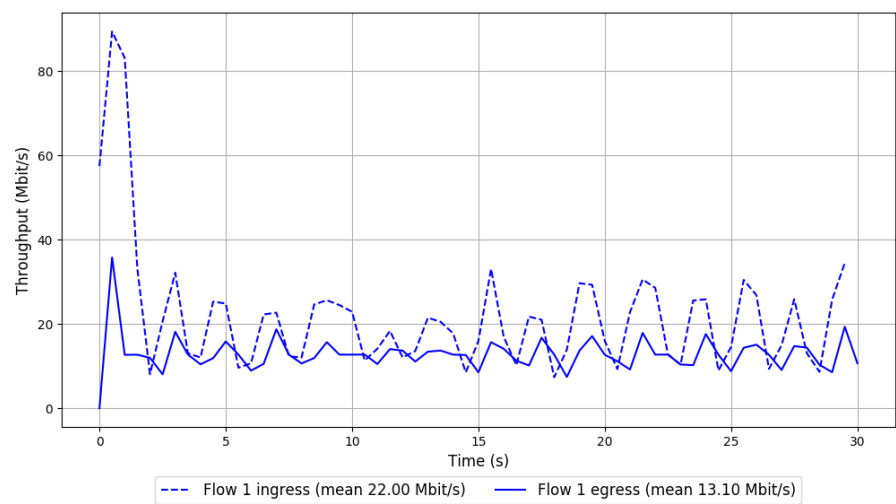
-- Flow 1:

Average throughput: 13.10 Mbit/s

95th percentile per-packet one-way delay: 8.142 ms

Loss rate: 40.47%

Run 3: Report of PCC-Expr — Data Link



Run 4: Statistics of PCC-Expr

Start at: 2019-09-18 01:40:43

End at: 2019-09-18 01:41:13

Local clock offset: 4.263 ms

Remote clock offset: 6.808 ms

Below is generated by plot.py at 2019-09-18 02:34:14

Datalink statistics

-- Total of 1 flow:

Average throughput: 13.10 Mbit/s

95th percentile per-packet one-way delay: 5.442 ms

Loss rate: 52.79%

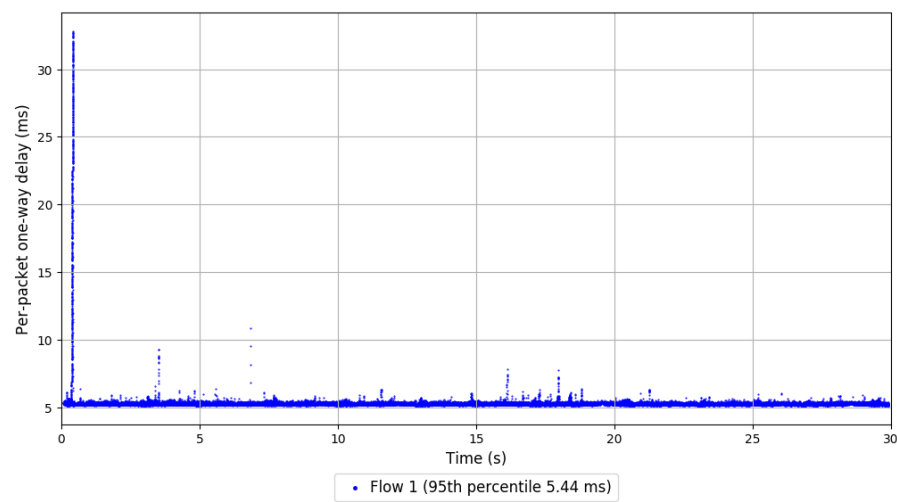
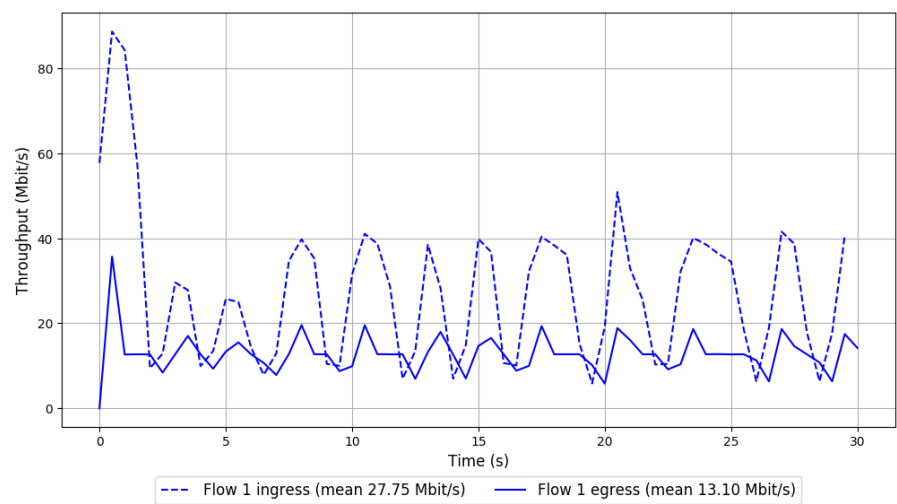
-- Flow 1:

Average throughput: 13.10 Mbit/s

95th percentile per-packet one-way delay: 5.442 ms

Loss rate: 52.79%

Run 4: Report of PCC-Expr — Data Link



Run 5: Statistics of PCC-Expr

Start at: 2019-09-18 02:09:27

End at: 2019-09-18 02:09:57

Local clock offset: 1.189 ms

Remote clock offset: 7.031 ms

Below is generated by plot.py at 2019-09-18 02:34:14

Datalink statistics

-- Total of 1 flow:

Average throughput: 13.10 Mbit/s

95th percentile per-packet one-way delay: 9.725 ms

Loss rate: 44.48%

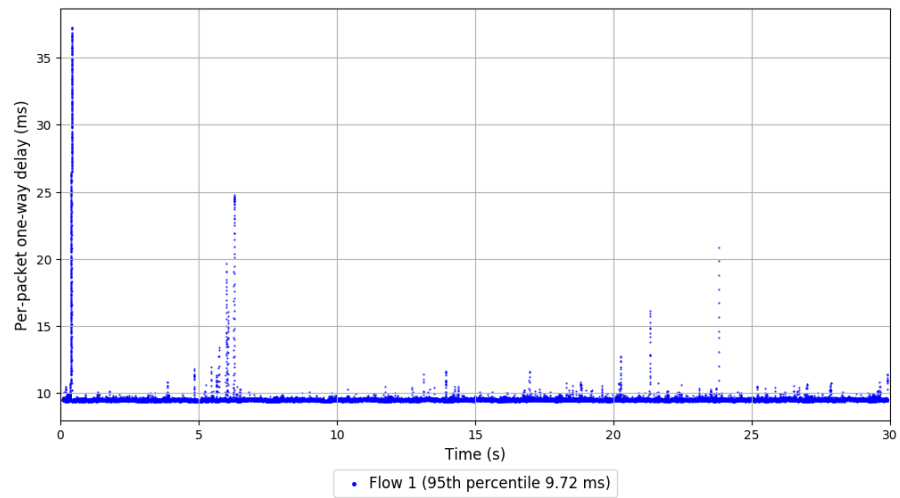
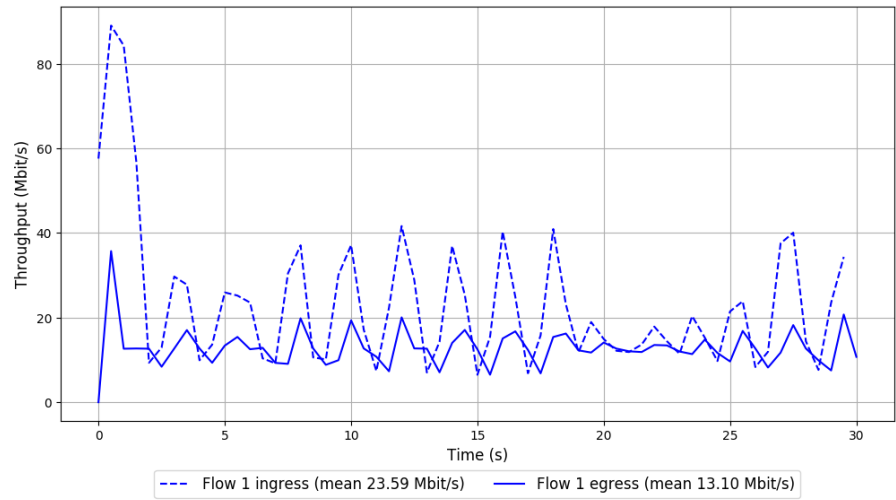
-- Flow 1:

Average throughput: 13.10 Mbit/s

95th percentile per-packet one-way delay: 9.725 ms

Loss rate: 44.48%

Run 5: Report of PCC-Expr — Data Link



Run 1: Statistics of QUIC Cubic

Start at: 2019-09-18 00:20:42

End at: 2019-09-18 00:21:12

Local clock offset: 6.218 ms

Remote clock offset: 4.299 ms

Below is generated by plot.py at 2019-09-18 02:34:52

Datalink statistics

-- Total of 1 flow:

Average throughput: 80.41 Mbit/s

95th percentile per-packet one-way delay: 39.890 ms

Loss rate: 0.07%

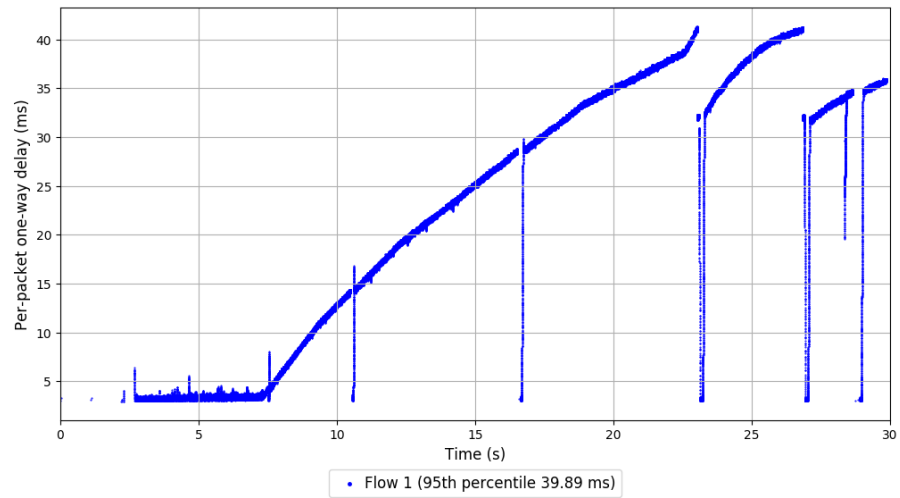
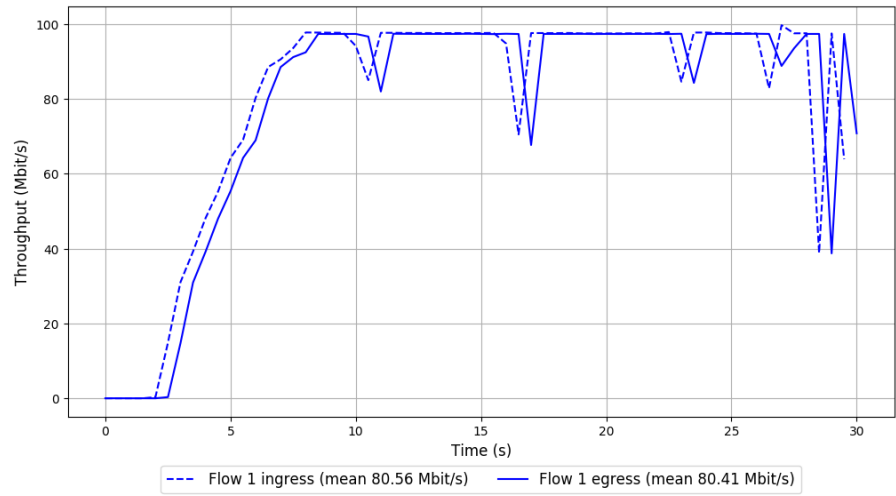
-- Flow 1:

Average throughput: 80.41 Mbit/s

95th percentile per-packet one-way delay: 39.890 ms

Loss rate: 0.07%

Run 1: Report of QUIC Cubic — Data Link



Run 2: Statistics of QUIC Cubic

Start at: 2019-09-18 00:48:50

End at: 2019-09-18 00:49:20

Local clock offset: 5.364 ms

Remote clock offset: 5.984 ms

Below is generated by plot.py at 2019-09-18 02:35:07

Datalink statistics

-- Total of 1 flow:

Average throughput: 92.15 Mbit/s

95th percentile per-packet one-way delay: 43.331 ms

Loss rate: 0.52%

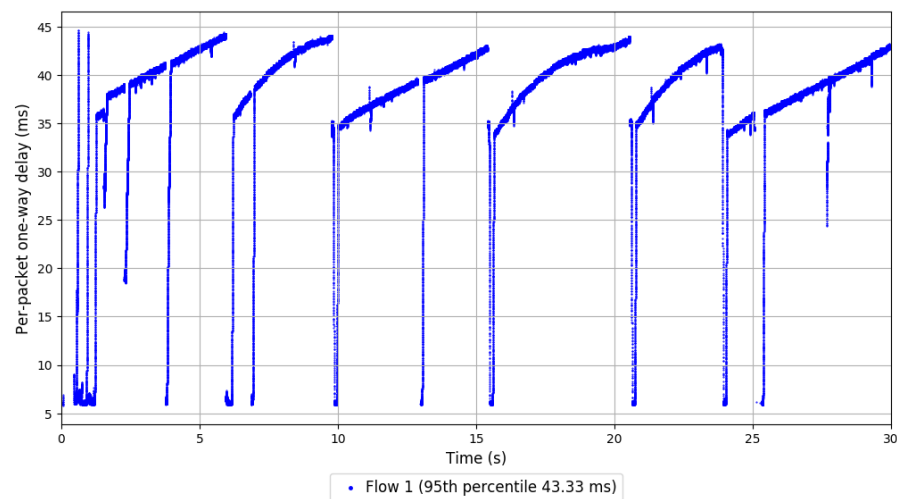
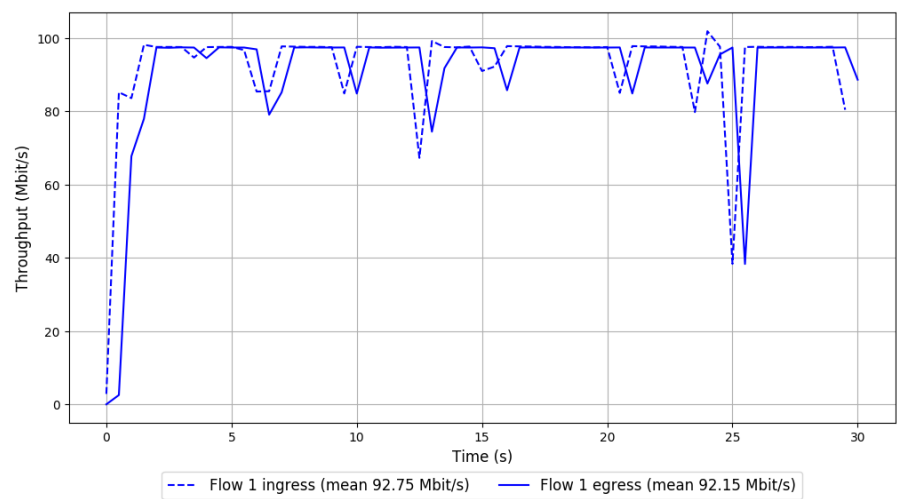
-- Flow 1:

Average throughput: 92.15 Mbit/s

95th percentile per-packet one-way delay: 43.331 ms

Loss rate: 0.52%

Run 2: Report of QUIC Cubic — Data Link



Run 3: Statistics of QUIC Cubic

Start at: 2019-09-18 01:17:10

End at: 2019-09-18 01:17:40

Local clock offset: 4.817 ms

Remote clock offset: 6.72 ms

Below is generated by plot.py at 2019-09-18 02:35:08

Datalink statistics

-- Total of 1 flow:

Average throughput: 91.97 Mbit/s

95th percentile per-packet one-way delay: 42.630 ms

Loss rate: 0.58%

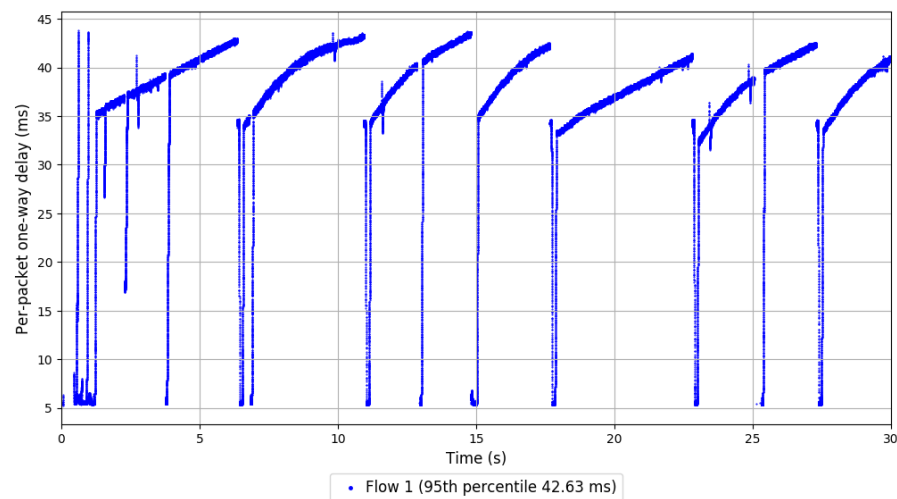
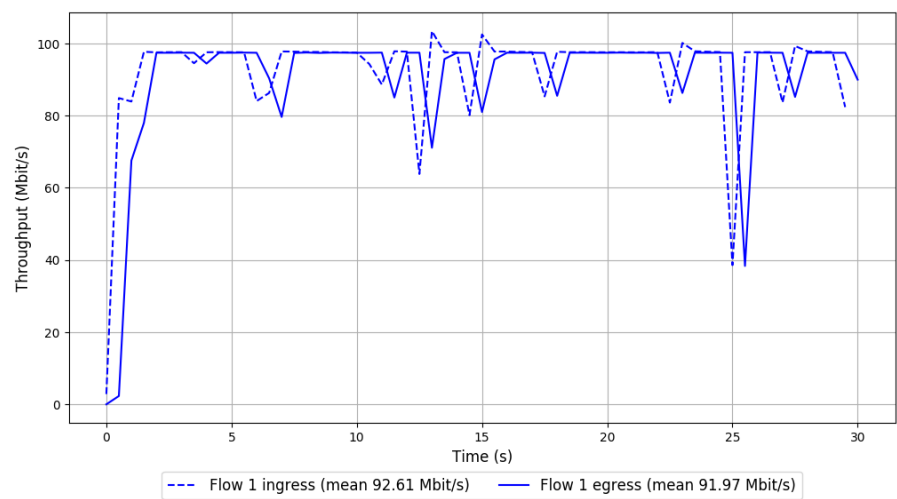
-- Flow 1:

Average throughput: 91.97 Mbit/s

95th percentile per-packet one-way delay: 42.630 ms

Loss rate: 0.58%

Run 3: Report of QUIC Cubic — Data Link



Run 4: Statistics of QUIC Cubic

Start at: 2019-09-18 01:45:21

End at: 2019-09-18 01:45:51

Local clock offset: 3.97 ms

Remote clock offset: 6.954 ms

Below is generated by plot.py at 2019-09-18 02:35:19

Datalink statistics

-- Total of 1 flow:

Average throughput: 91.86 Mbit/s

95th percentile per-packet one-way delay: 43.416 ms

Loss rate: 0.86%

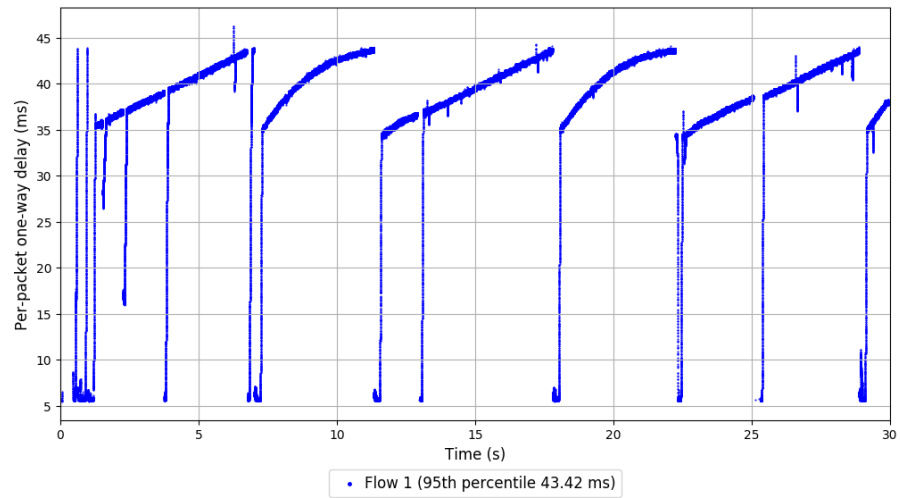
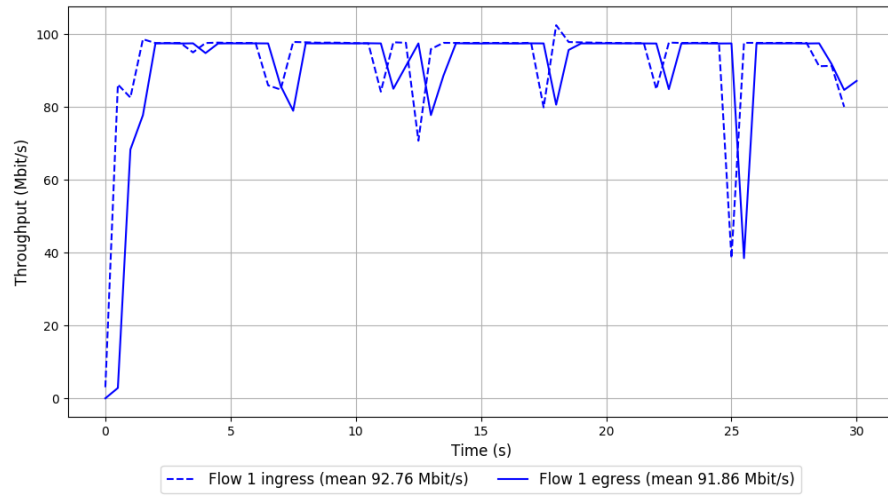
-- Flow 1:

Average throughput: 91.86 Mbit/s

95th percentile per-packet one-way delay: 43.416 ms

Loss rate: 0.86%

Run 4: Report of QUIC Cubic — Data Link



Run 5: Statistics of QUIC Cubic

Start at: 2019-09-18 02:14:00

End at: 2019-09-18 02:14:31

Local clock offset: 6.665 ms

Remote clock offset: 7.724 ms

Below is generated by plot.py at 2019-09-18 02:35:20

Datalink statistics

-- Total of 1 flow:

Average throughput: 91.79 Mbit/s

95th percentile per-packet one-way delay: 42.410 ms

Loss rate: 0.76%

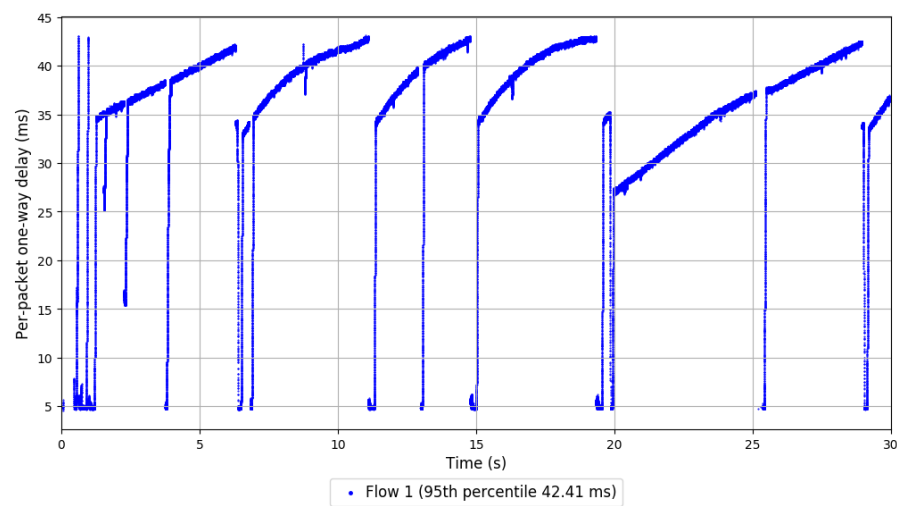
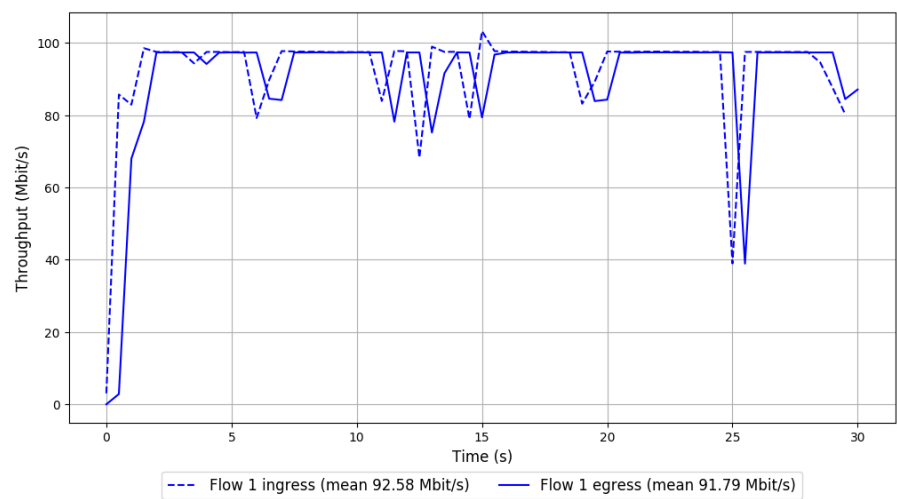
-- Flow 1:

Average throughput: 91.79 Mbit/s

95th percentile per-packet one-way delay: 42.410 ms

Loss rate: 0.76%

Run 5: Report of QUIC Cubic — Data Link

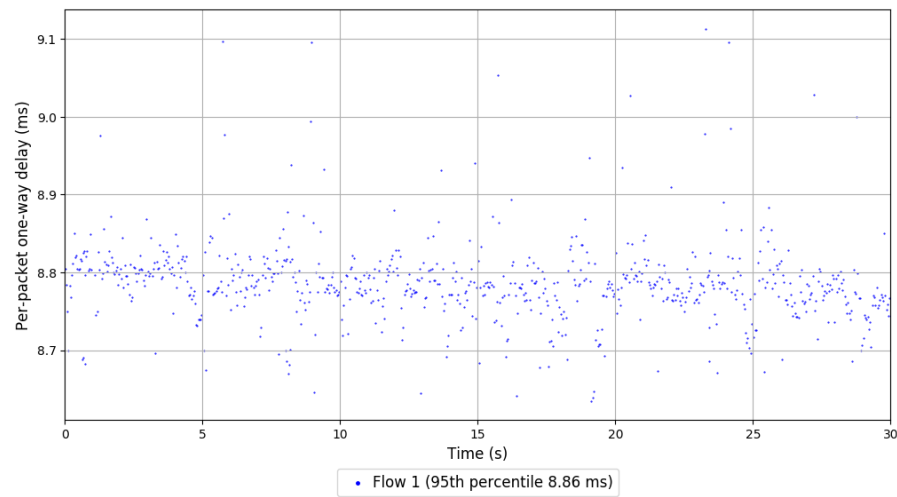
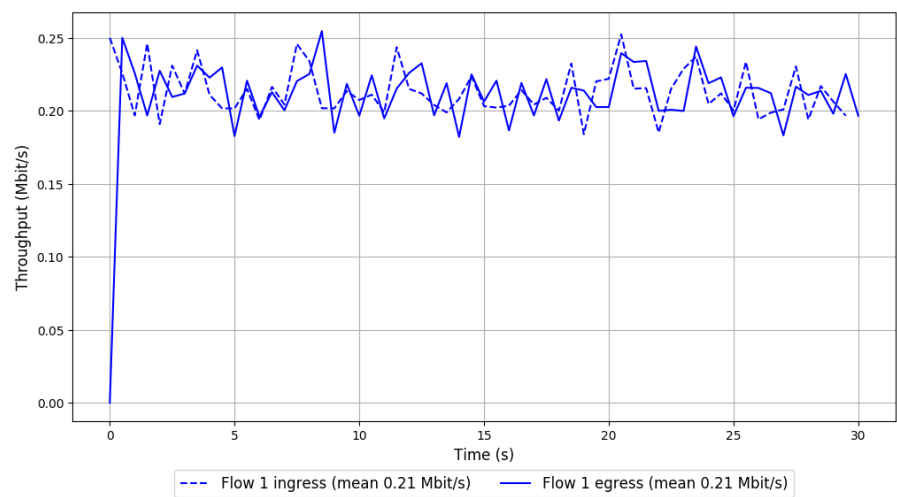


```
Run 1: Statistics of SCReAM

Start at: 2019-09-18 00:17:17
End at: 2019-09-18 00:17:47
Local clock offset: 2.024 ms
Remote clock offset: 5.452 ms

# Below is generated by plot.py at 2019-09-18 02:35:20
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 8.855 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 8.855 ms
Loss rate: 0.00%
```

Run 1: Report of SReAM — Data Link



Run 2: Statistics of SCReAM

Start at: 2019-09-18 00:45:17

End at: 2019-09-18 00:45:47

Local clock offset: 1.524 ms

Remote clock offset: 5.502 ms

Below is generated by plot.py at 2019-09-18 02:35:20

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 9.600 ms

Loss rate: 0.00%

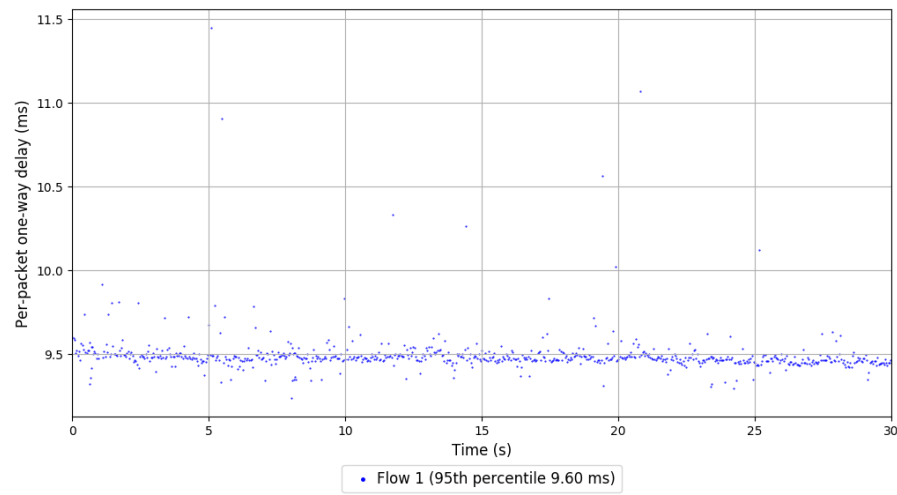
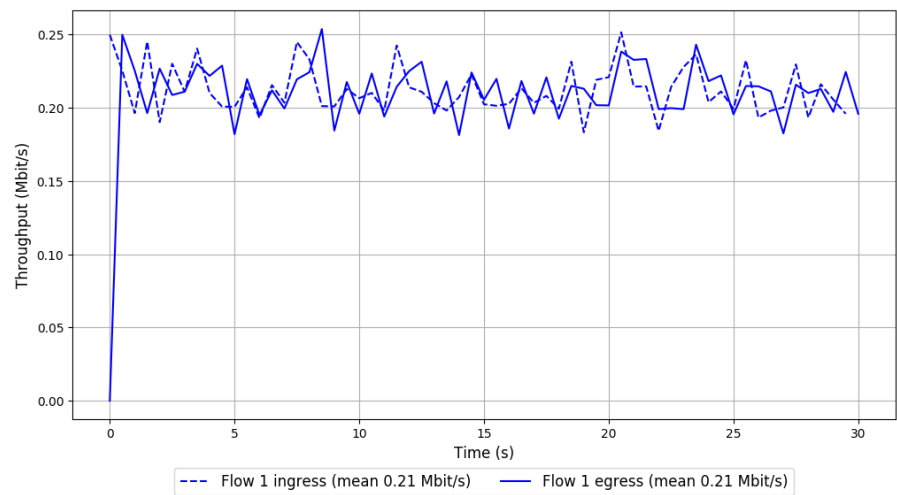
-- Flow 1:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 9.600 ms

Loss rate: 0.00%

Run 2: Report of SReAM — Data Link



Run 3: Statistics of SCReAM

Start at: 2019-09-18 01:13:38

End at: 2019-09-18 01:14:08

Local clock offset: 0.906 ms

Remote clock offset: 4.646 ms

Below is generated by plot.py at 2019-09-18 02:35:20

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 7.685 ms

Loss rate: 0.00%

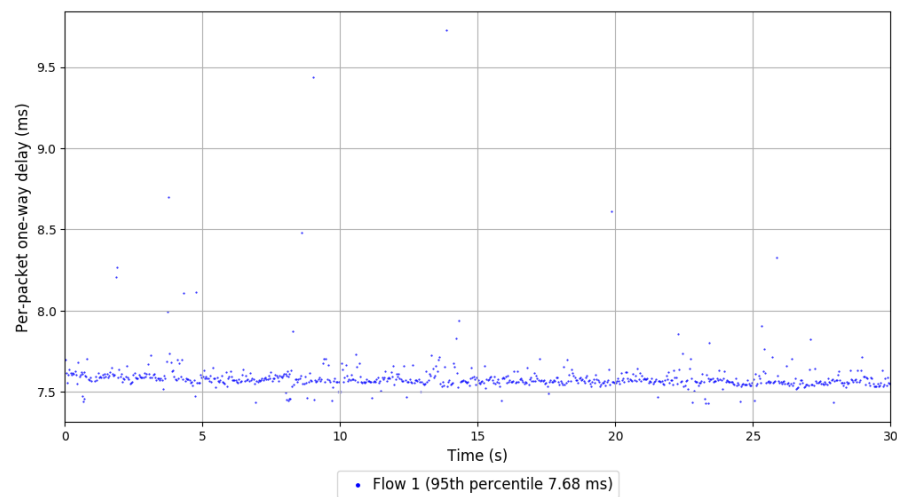
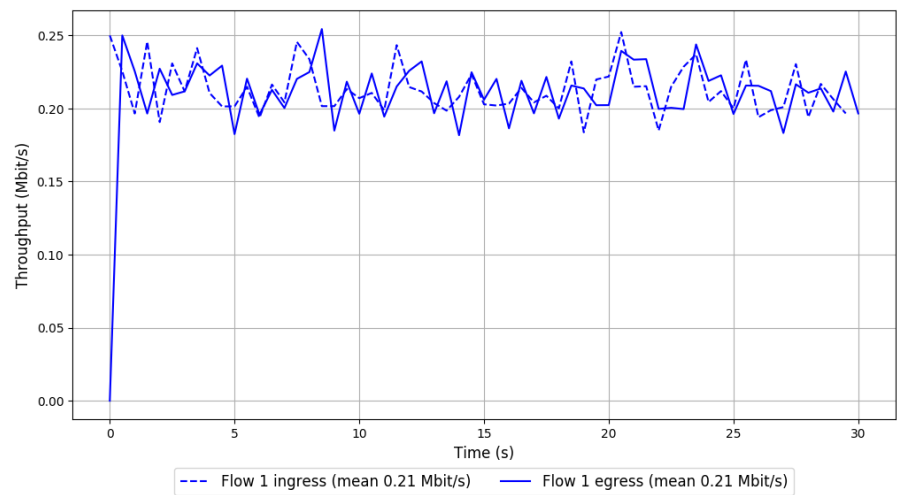
-- Flow 1:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 7.685 ms

Loss rate: 0.00%

Run 3: Report of SReAM — Data Link



Run 4: Statistics of SCReAM

Start at: 2019-09-18 01:41:49

End at: 2019-09-18 01:42:19

Local clock offset: 0.043 ms

Remote clock offset: 6.392 ms

Below is generated by plot.py at 2019-09-18 02:35:20

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 9.346 ms

Loss rate: 0.00%

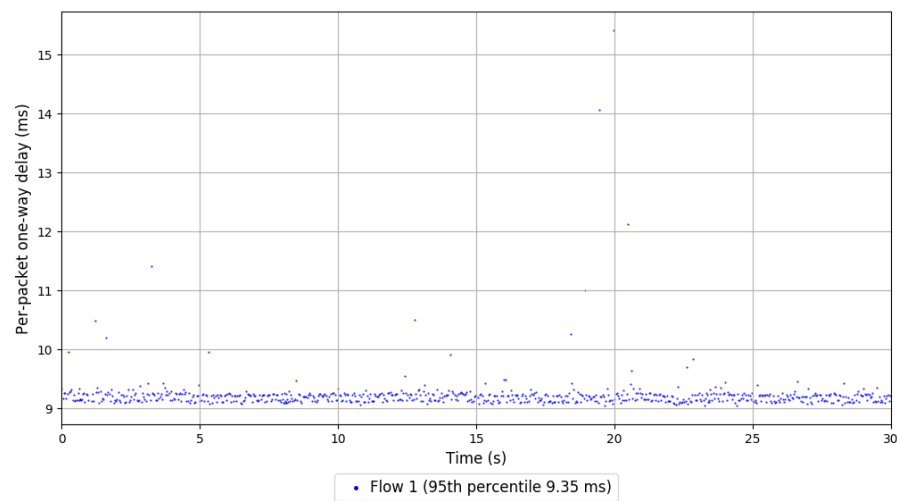
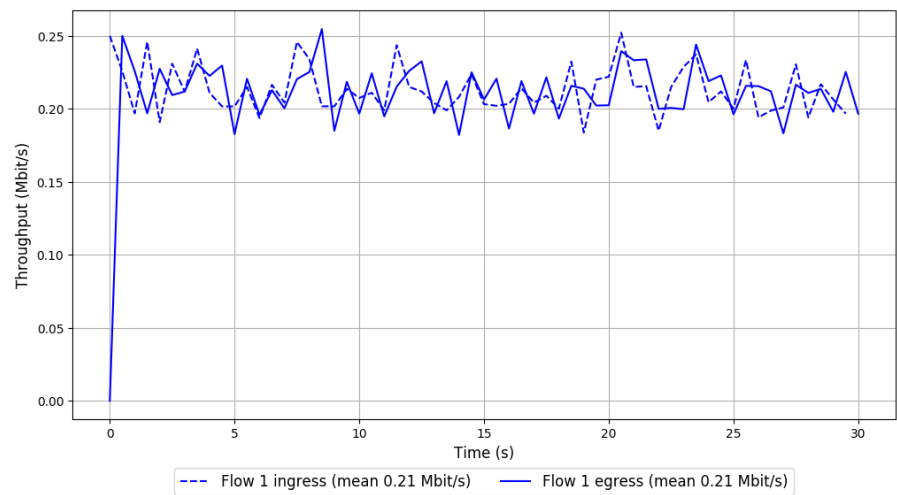
-- Flow 1:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 9.346 ms

Loss rate: 0.00%

Run 4: Report of SReAM — Data Link



Run 5: Statistics of SCReAM

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

End at: 2019-09-18 02:11:05

Local clock offset: 1.26 ms

Remote clock offset: 6.111 ms

Below is generated by plot.py at 2019-09-18 02:35:20

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 8.737 ms

Loss rate: 0.00%

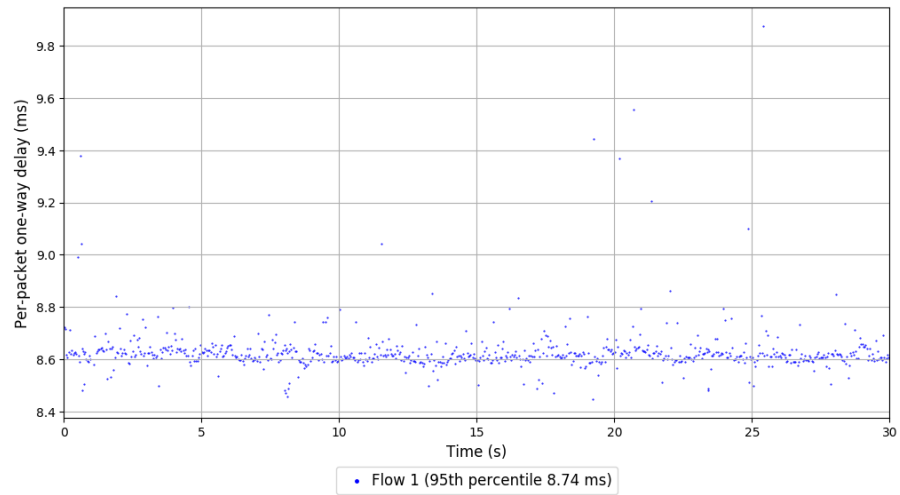
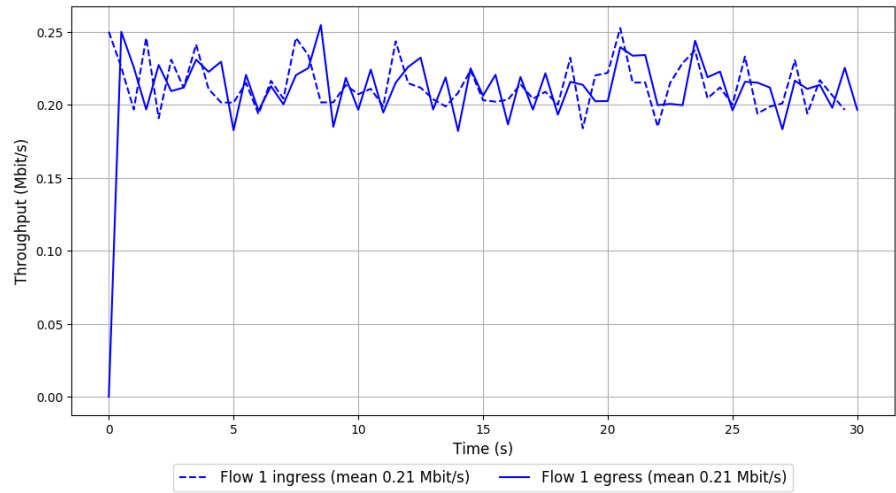
-- Flow 1:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 8.737 ms

Loss rate: 0.00%

Run 5: Report of SReAM — Data Link



Run 1: Statistics of Sprout

Start at: 2019-09-18 00:01:05

End at: 2019-09-18 00:01:35

Local clock offset: 1.49 ms

Remote clock offset: 3.632 ms

Below is generated by plot.py at 2019-09-18 02:35:20

Datalink statistics

-- Total of 1 flow:

Average throughput: 24.56 Mbit/s

95th percentile per-packet one-way delay: 15.329 ms

Loss rate: 0.00%

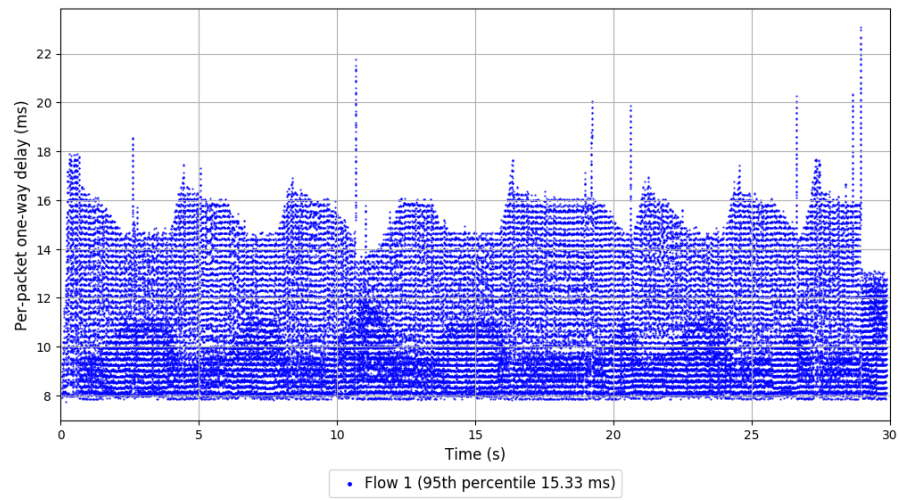
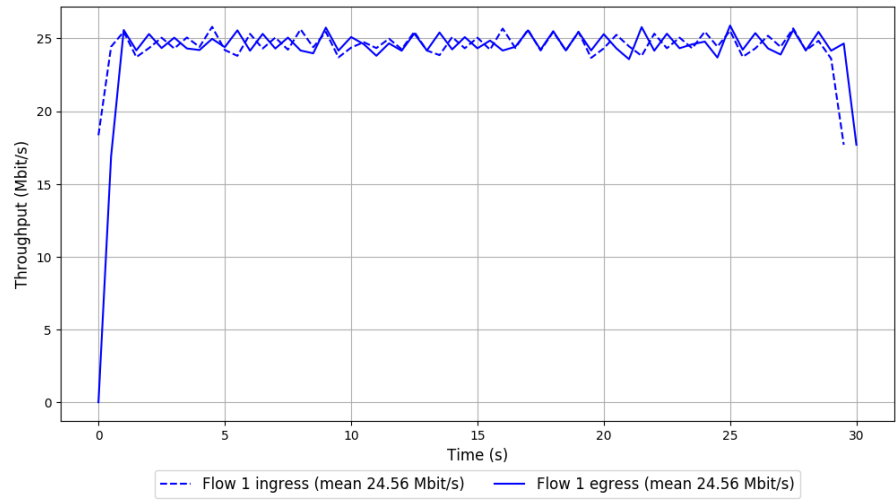
-- Flow 1:

Average throughput: 24.56 Mbit/s

95th percentile per-packet one-way delay: 15.329 ms

Loss rate: 0.00%

Run 1: Report of Sprout — Data Link



Run 2: Statistics of Sprout

Start at: 2019-09-18 00:29:01

End at: 2019-09-18 00:29:31

Local clock offset: 5.331 ms

Remote clock offset: 5.392 ms

Below is generated by plot.py at 2019-09-18 02:35:20

Datalink statistics

-- Total of 1 flow:

Average throughput: 24.58 Mbit/s

95th percentile per-packet one-way delay: 12.458 ms

Loss rate: 0.00%

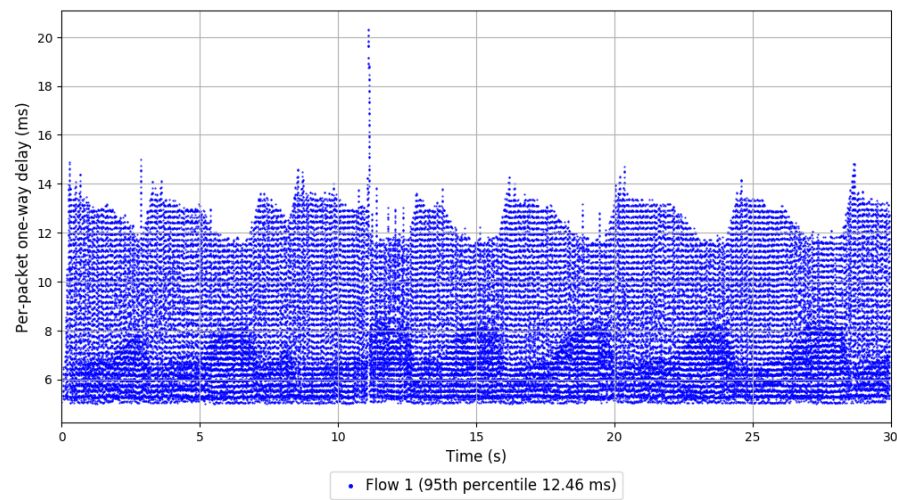
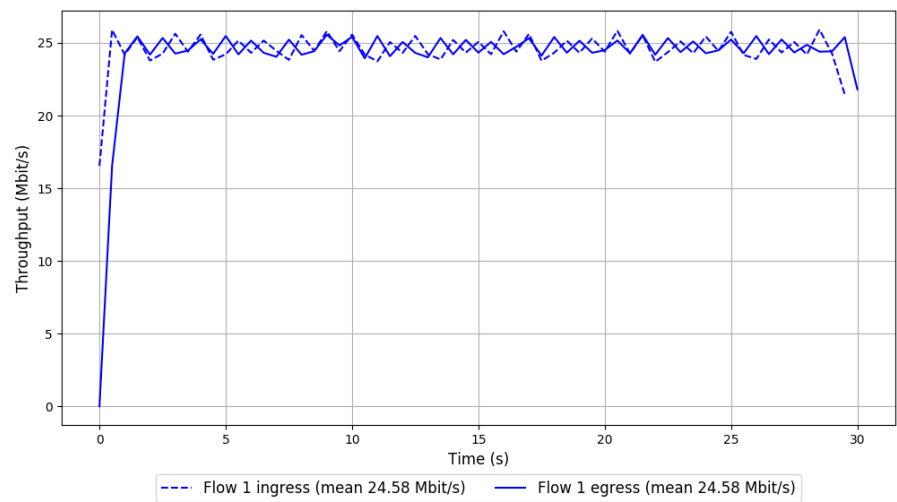
-- Flow 1:

Average throughput: 24.58 Mbit/s

95th percentile per-packet one-way delay: 12.458 ms

Loss rate: 0.00%

Run 2: Report of Sprout — Data Link

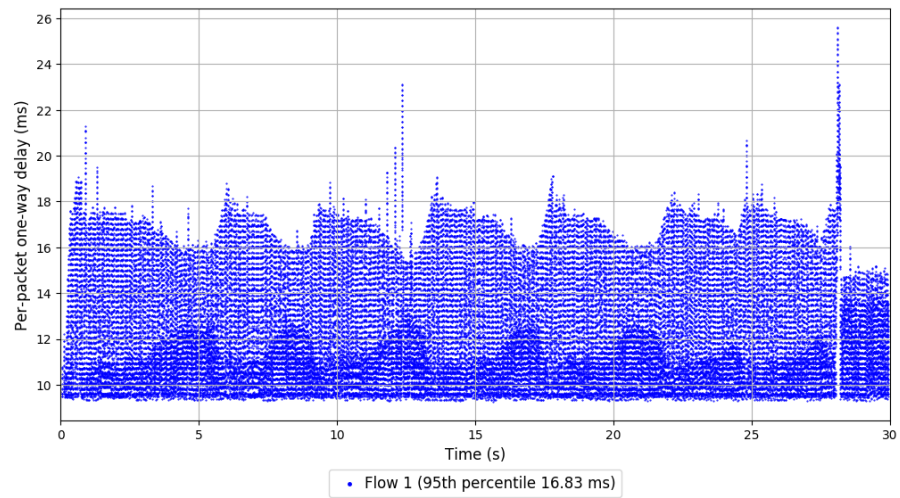
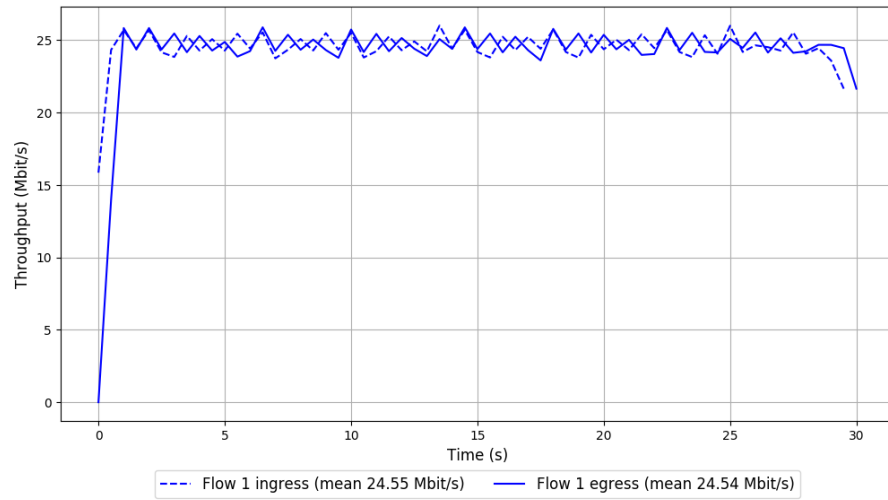


Run 3: Statistics of Sprout

Start at: 2019-09-18 00:57:14
End at: 2019-09-18 00:57:44
Local clock offset: 1.685 ms
Remote clock offset: 6.078 ms

Below is generated by plot.py at 2019-09-18 02:35:20
Datalink statistics
-- Total of 1 flow:
Average throughput: 24.54 Mbit/s
95th percentile per-packet one-way delay: 16.834 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 24.54 Mbit/s
95th percentile per-packet one-way delay: 16.834 ms
Loss rate: 0.00%

Run 3: Report of Sprout — Data Link



Run 4: Statistics of Sprout

Start at: 2019-09-18 01:25:19

End at: 2019-09-18 01:25:49

Local clock offset: 0.192 ms

Remote clock offset: 6.401 ms

Below is generated by plot.py at 2019-09-18 02:35:20

Datalink statistics

-- Total of 1 flow:

Average throughput: 24.58 Mbit/s

95th percentile per-packet one-way delay: 16.691 ms

Loss rate: 0.00%

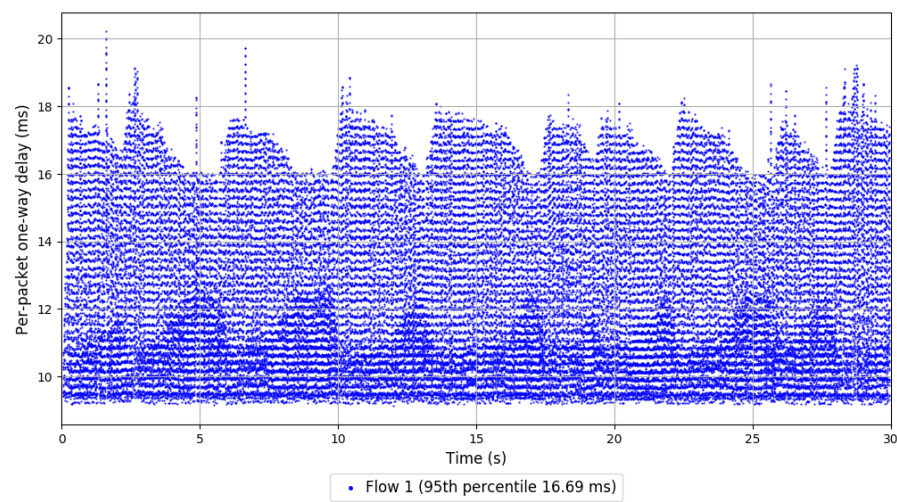
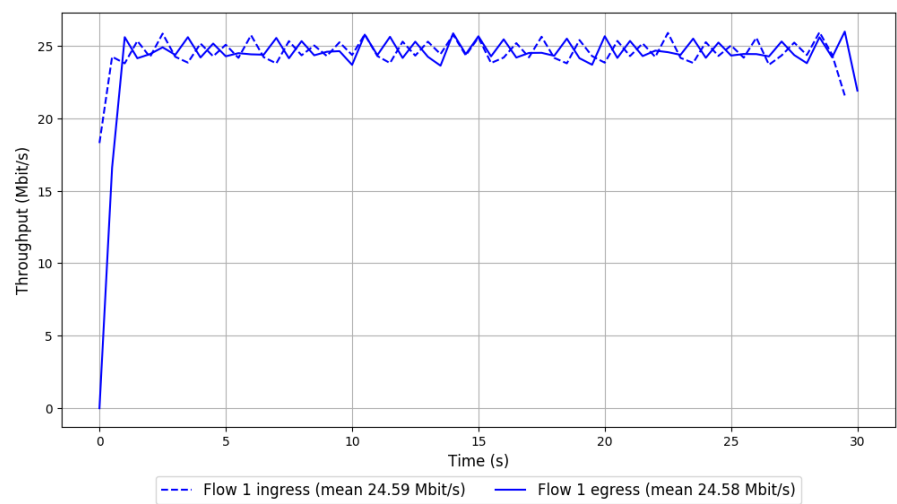
-- Flow 1:

Average throughput: 24.58 Mbit/s

95th percentile per-packet one-way delay: 16.691 ms

Loss rate: 0.00%

Run 4: Report of Sprout — Data Link



Run 5: Statistics of Sprout

Start at: 2019-09-18 01:53:54

End at: 2019-09-18 01:54:24

Local clock offset: 0.243 ms

Remote clock offset: 7.018 ms

Below is generated by plot.py at 2019-09-18 02:35:20

Datalink statistics

-- Total of 1 flow:

Average throughput: 24.59 Mbit/s

95th percentile per-packet one-way delay: 16.618 ms

Loss rate: 0.00%

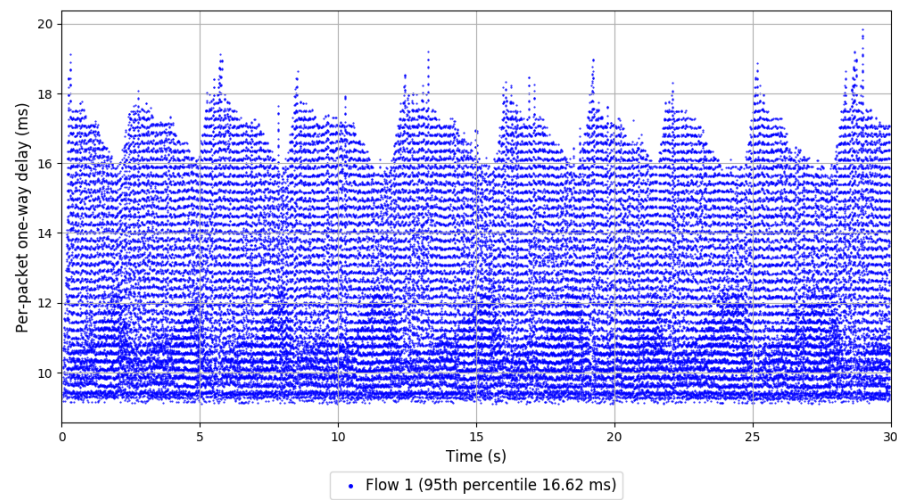
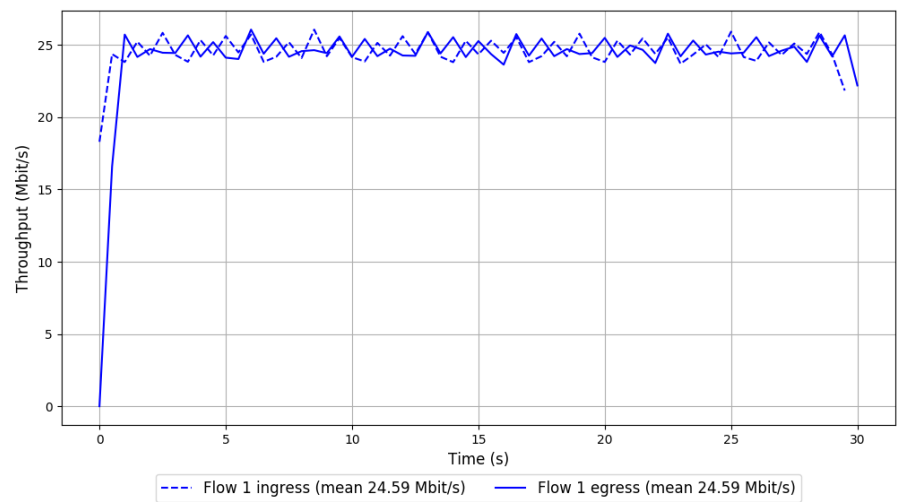
-- Flow 1:

Average throughput: 24.59 Mbit/s

95th percentile per-packet one-way delay: 16.618 ms

Loss rate: 0.00%

Run 5: Report of Sprout — Data Link



Run 1: Statistics of TaoVA-100x

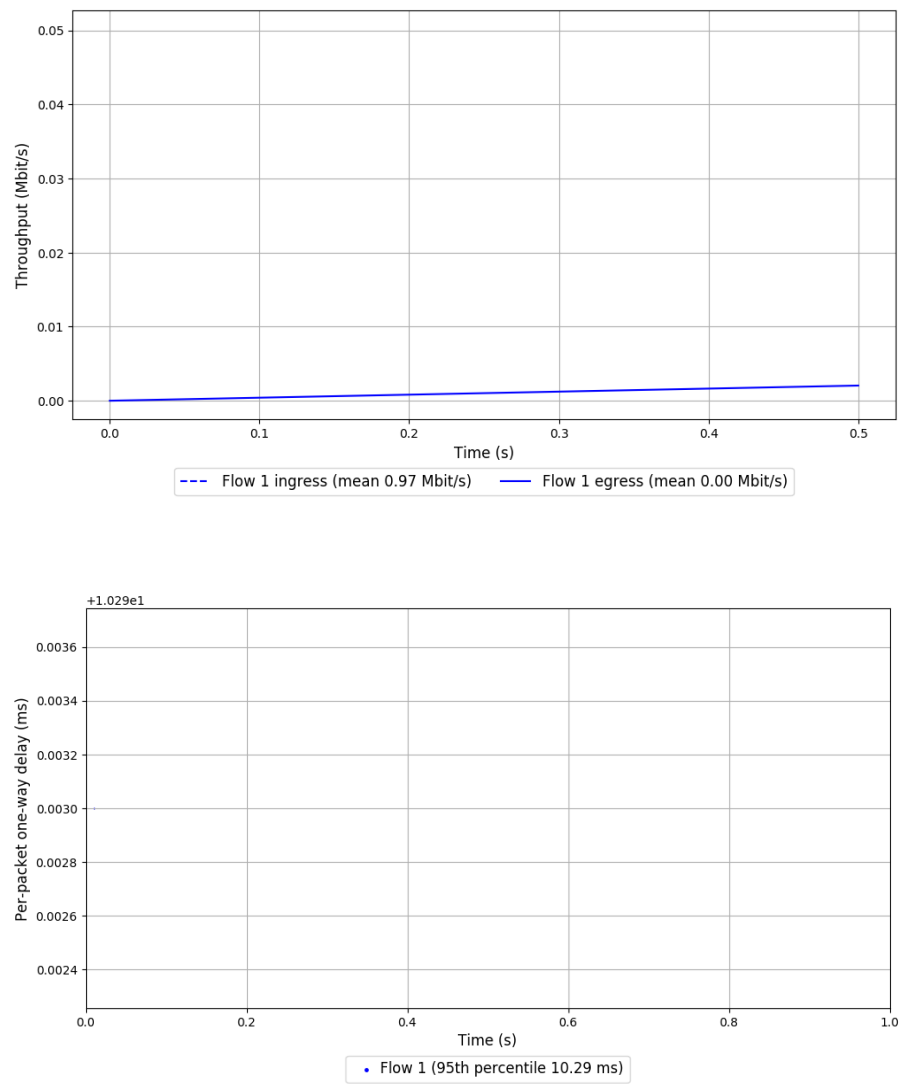
Start at: 2019-09-18 00:11:40

End at: 2019-09-18 00:12:10

Local clock offset: 1.09 ms

Remote clock offset: 5.884 ms

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



Run 2: Statistics of TaoVA-100x

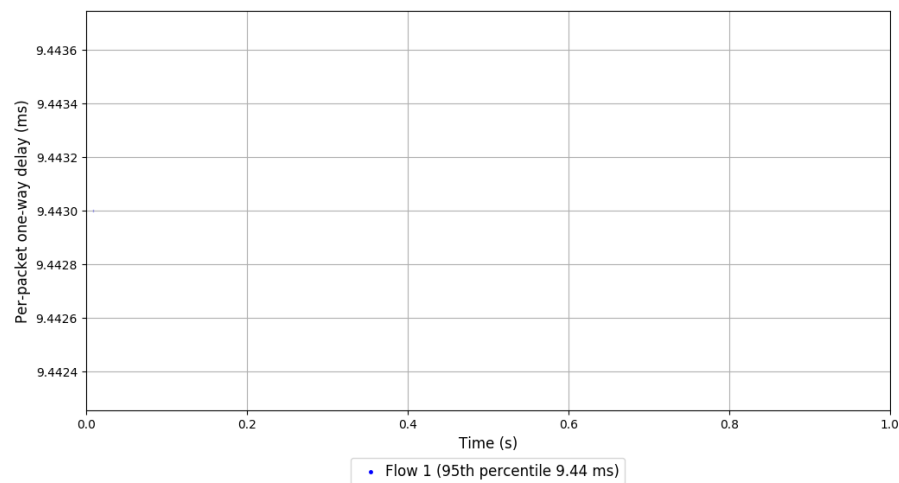
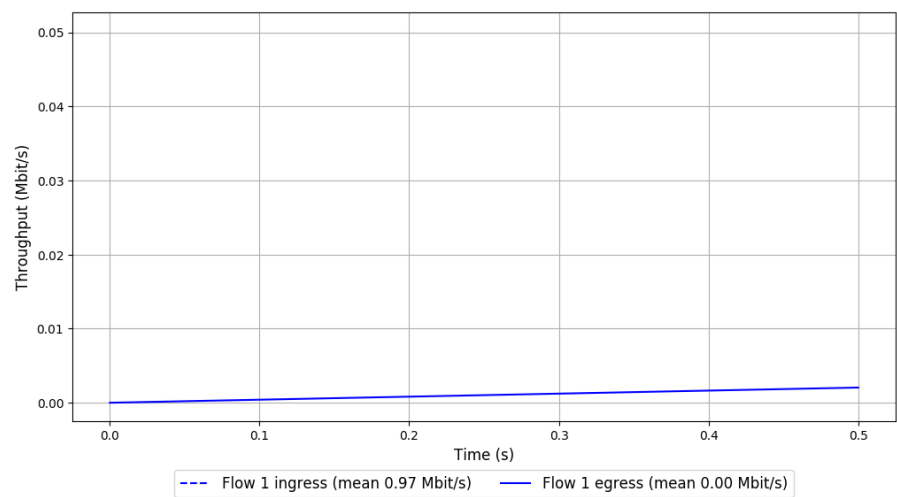
Start at: 2019-09-18 00:39:35

End at: 2019-09-18 00:40:05

Local clock offset: 1.028 ms

Remote clock offset: 4.943 ms

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



Run 3: Statistics of TaoVA-100x

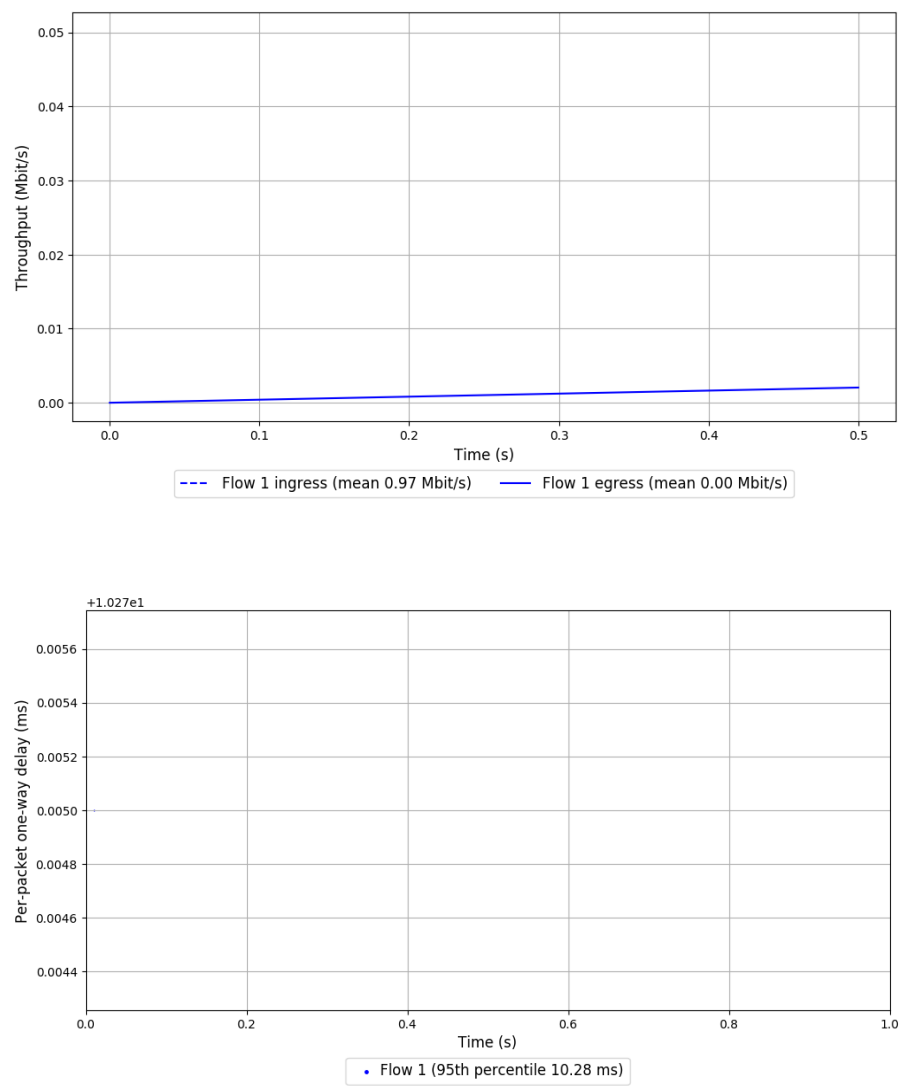
Start at: 2019-09-18 01:08:01

End at: 2019-09-18 01:08:31

Local clock offset: 0.683 ms

Remote clock offset: 6.75 ms

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



Run 4: Statistics of TaoVA-100x

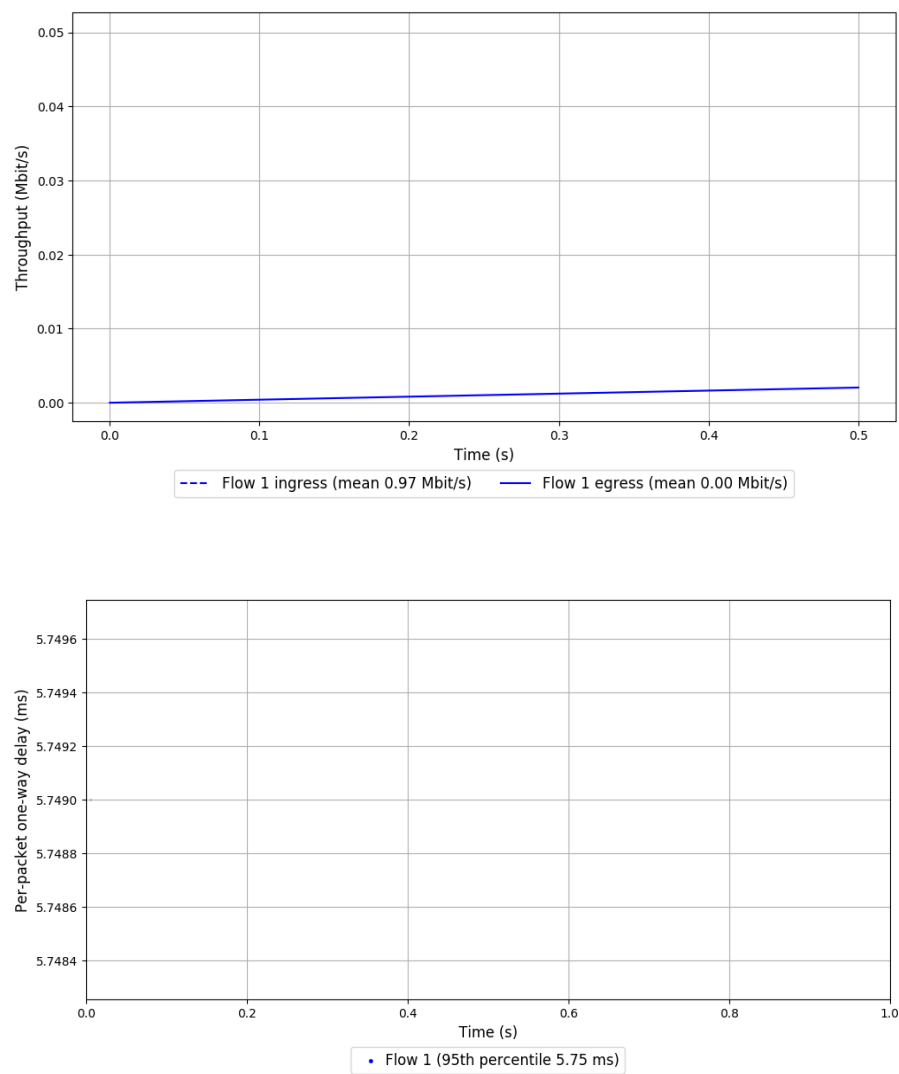
Start at: 2019-09-18 01:36:14

End at: 2019-09-18 01:36:44

Local clock offset: 4.569 ms

Remote clock offset: 7.374 ms

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



Run 5: Statistics of TaoVA-100x

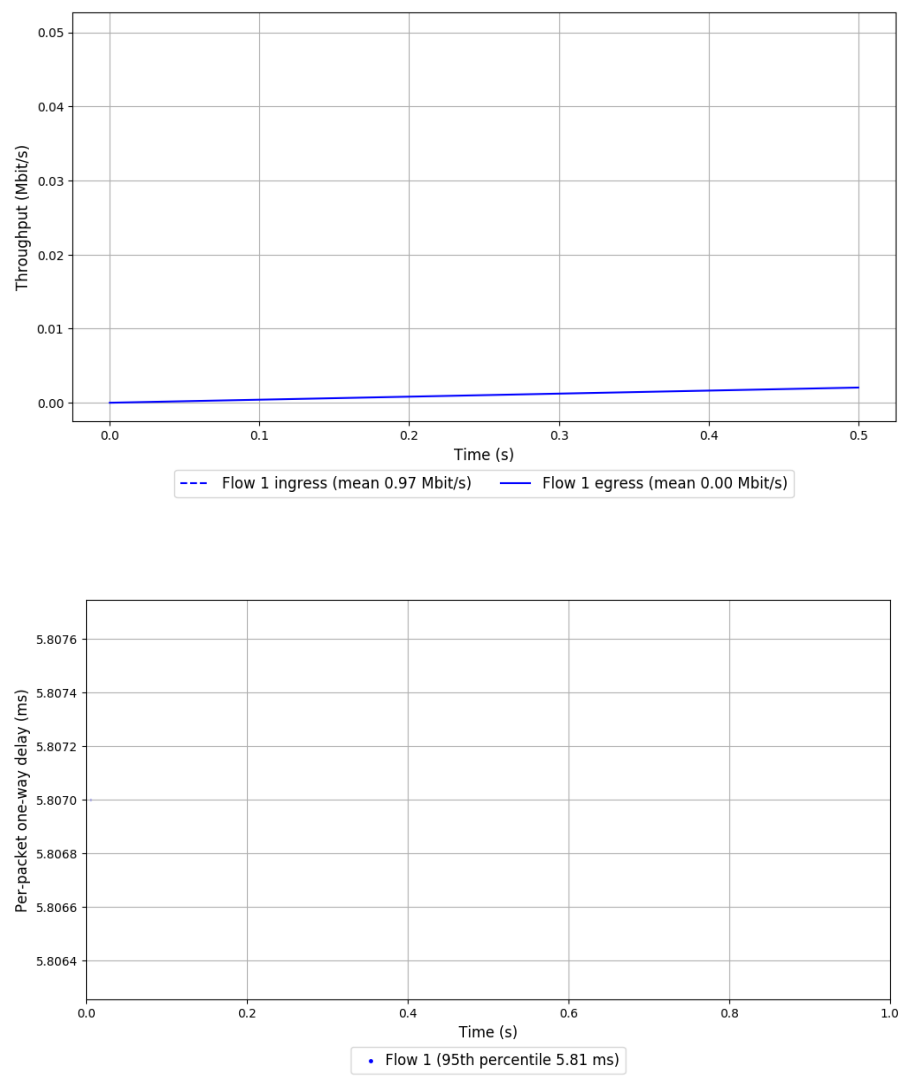
Start at: 2019-09-18 02:04:55

End at: 2019-09-18 02:05:25

Local clock offset: 4.794 ms

Remote clock offset: 7.336 ms

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



Run 1: Statistics of TCP Vegas

Start at: 2019-09-18 00:04:33

End at: 2019-09-18 00:05:03

Local clock offset: 2.084 ms

Remote clock offset: 5.188 ms

Below is generated by plot.py at 2019-09-18 02:35:51

Datalink statistics

-- Total of 1 flow:

Average throughput: 96.50 Mbit/s

95th percentile per-packet one-way delay: 12.273 ms

Loss rate: 0.40%

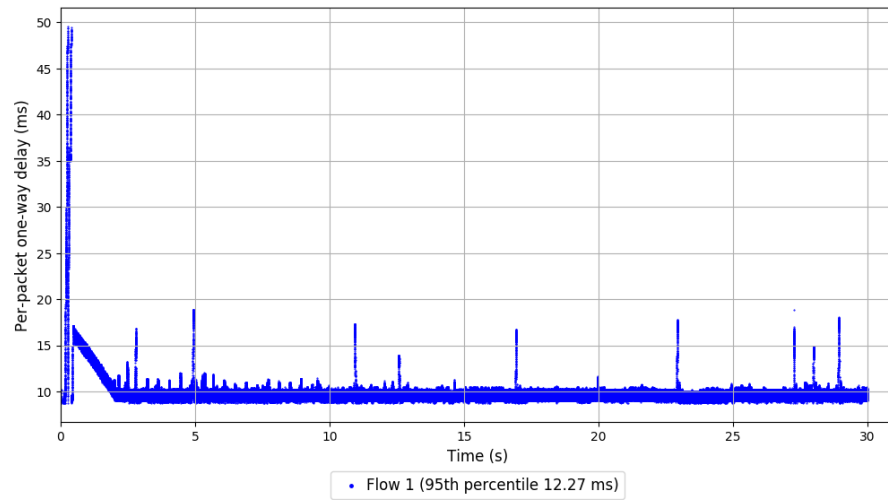
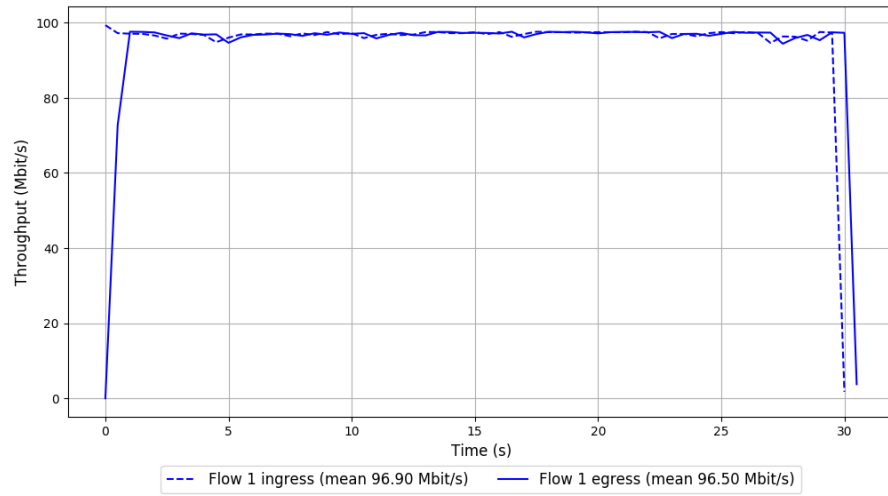
-- Flow 1:

Average throughput: 96.50 Mbit/s

95th percentile per-packet one-way delay: 12.273 ms

Loss rate: 0.40%

Run 1: Report of TCP Vegas — Data Link



Run 2: Statistics of TCP Vegas

Start at: 2019-09-18 00:32:33

End at: 2019-09-18 00:33:03

Local clock offset: 1.41 ms

Remote clock offset: 4.082 ms

Below is generated by plot.py at 2019-09-18 02:36:02

Datalink statistics

-- Total of 1 flow:

Average throughput: 97.00 Mbit/s

95th percentile per-packet one-way delay: 10.012 ms

Loss rate: 0.00%

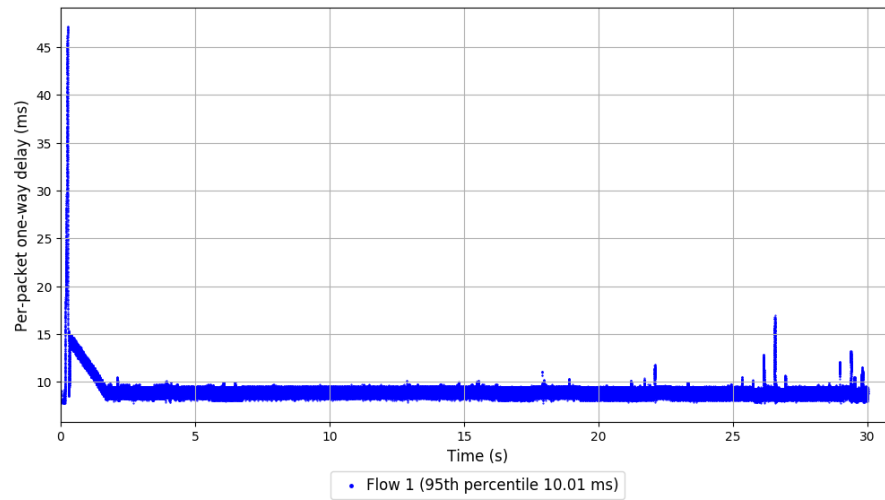
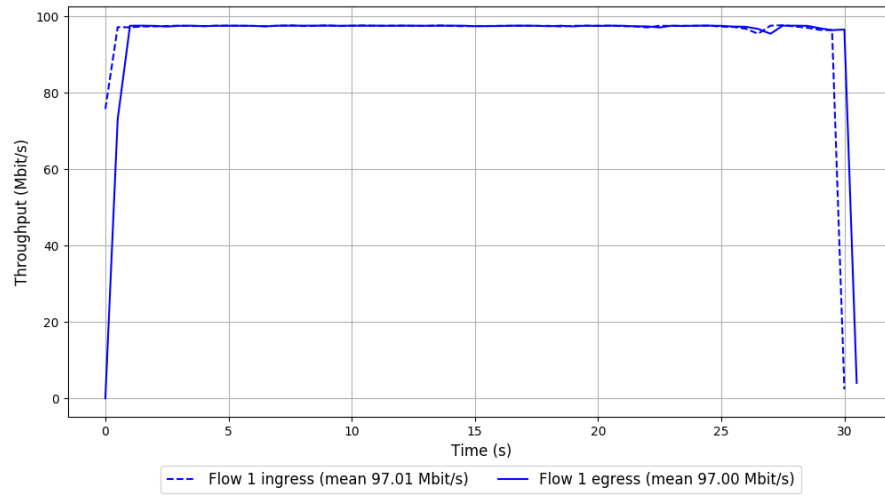
-- Flow 1:

Average throughput: 97.00 Mbit/s

95th percentile per-packet one-way delay: 10.012 ms

Loss rate: 0.00%

Run 2: Report of TCP Vegas — Data Link



Run 3: Statistics of TCP Vegas

Start at: 2019-09-18 01:00:45

End at: 2019-09-18 01:01:15

Local clock offset: 1.173 ms

Remote clock offset: 6.047 ms

Below is generated by plot.py at 2019-09-18 02:36:05

Datalink statistics

-- Total of 1 flow:

Average throughput: 95.39 Mbit/s

95th percentile per-packet one-way delay: 18.327 ms

Loss rate: 0.00%

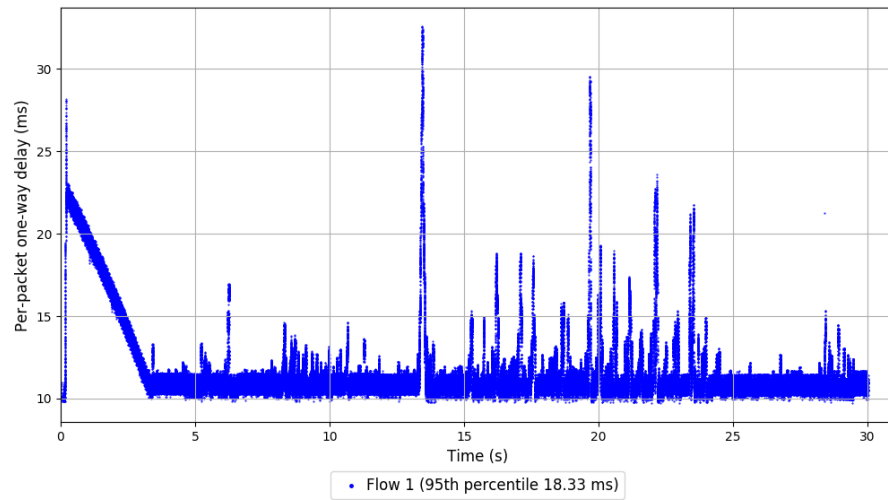
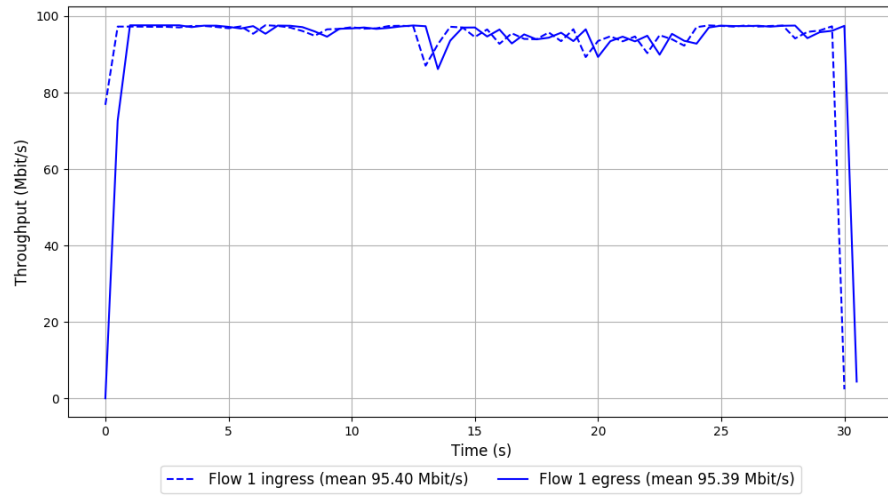
-- Flow 1:

Average throughput: 95.39 Mbit/s

95th percentile per-packet one-way delay: 18.327 ms

Loss rate: 0.00%

Run 3: Report of TCP Vegas — Data Link



Run 4: Statistics of TCP Vegas

Start at: 2019-09-18 01:28:55

End at: 2019-09-18 01:29:25

Local clock offset: -0.135 ms

Remote clock offset: 5.489 ms

Below is generated by plot.py at 2019-09-18 02:36:06

Datalink statistics

-- Total of 1 flow:

Average throughput: 96.49 Mbit/s

95th percentile per-packet one-way delay: 11.270 ms

Loss rate: 0.40%

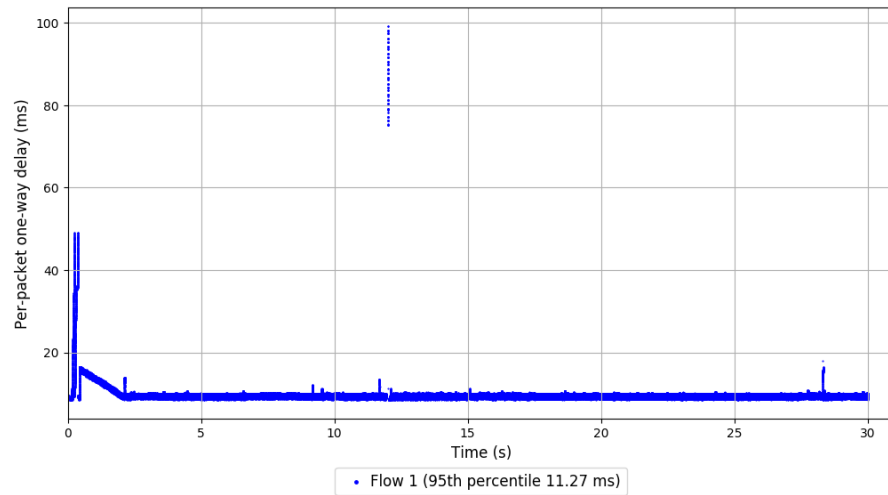
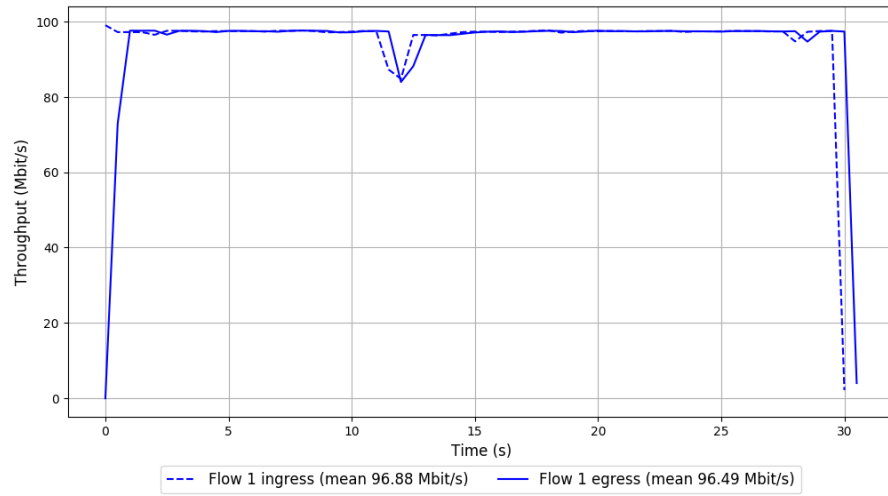
-- Flow 1:

Average throughput: 96.49 Mbit/s

95th percentile per-packet one-way delay: 11.270 ms

Loss rate: 0.40%

Run 4: Report of TCP Vegas — Data Link



Run 5: Statistics of TCP Vegas

Start at: 2019-09-18 01:57:34

End at: 2019-09-18 01:58:04

Local clock offset: 0.017 ms

Remote clock offset: 6.573 ms

Below is generated by plot.py at 2019-09-18 02:36:16

Datalink statistics

-- Total of 1 flow:

Average throughput: 96.84 Mbit/s

95th percentile per-packet one-way delay: 11.731 ms

Loss rate: 0.40%

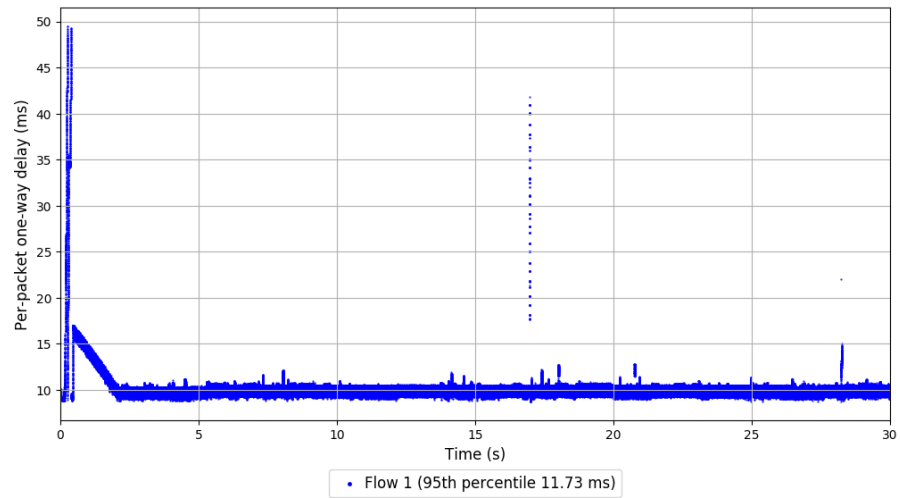
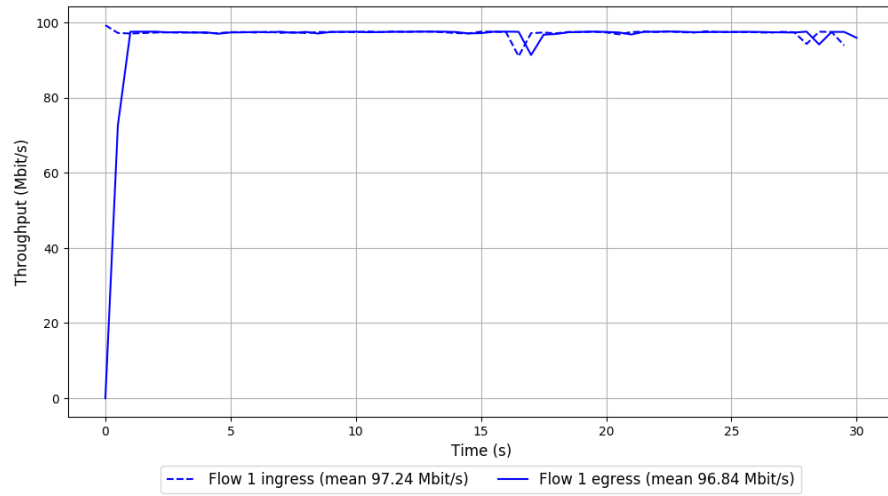
-- Flow 1:

Average throughput: 96.84 Mbit/s

95th percentile per-packet one-way delay: 11.731 ms

Loss rate: 0.40%

Run 5: Report of TCP Vegas — Data Link



Run 1: Statistics of Verus

Start at: 2019-09-18 00:07:02

End at: 2019-09-18 00:07:32

Local clock offset: 1.847 ms

Remote clock offset: 5.125 ms

Below is generated by plot.py at 2019-09-18 02:36:17

Datalink statistics

-- Total of 1 flow:

Average throughput: 64.47 Mbit/s

95th percentile per-packet one-way delay: 50.353 ms

Loss rate: 60.36%

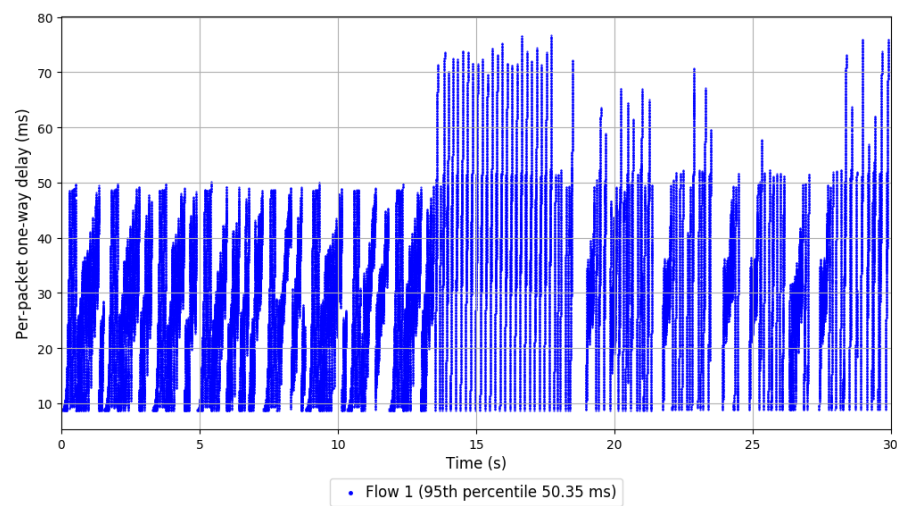
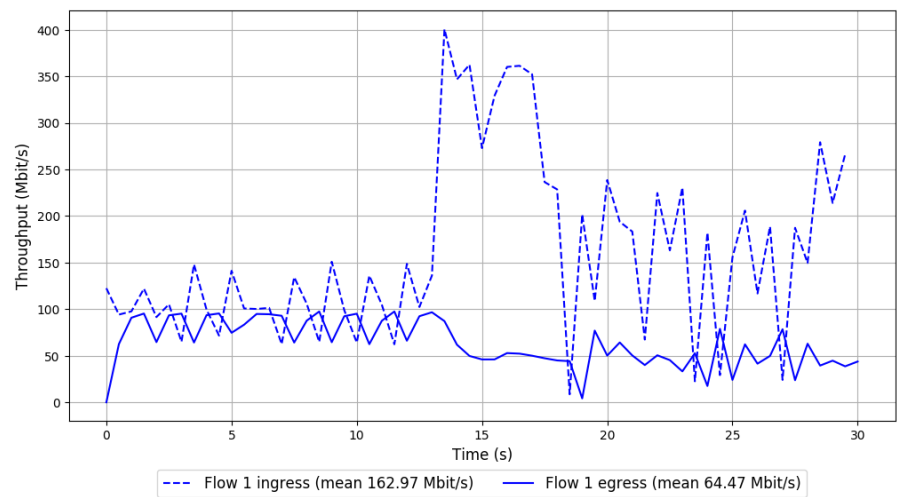
-- Flow 1:

Average throughput: 64.47 Mbit/s

95th percentile per-packet one-way delay: 50.353 ms

Loss rate: 60.36%

Run 1: Report of Verus — Data Link



Run 2: Statistics of Verus

Start at: 2019-09-18 00:34:54

End at: 2019-09-18 00:35:24

Local clock offset: 5.299 ms

Remote clock offset: 5.271 ms

Below is generated by plot.py at 2019-09-18 02:36:23

Datalink statistics

-- Total of 1 flow:

Average throughput: 76.16 Mbit/s

95th percentile per-packet one-way delay: 40.148 ms

Loss rate: 21.84%

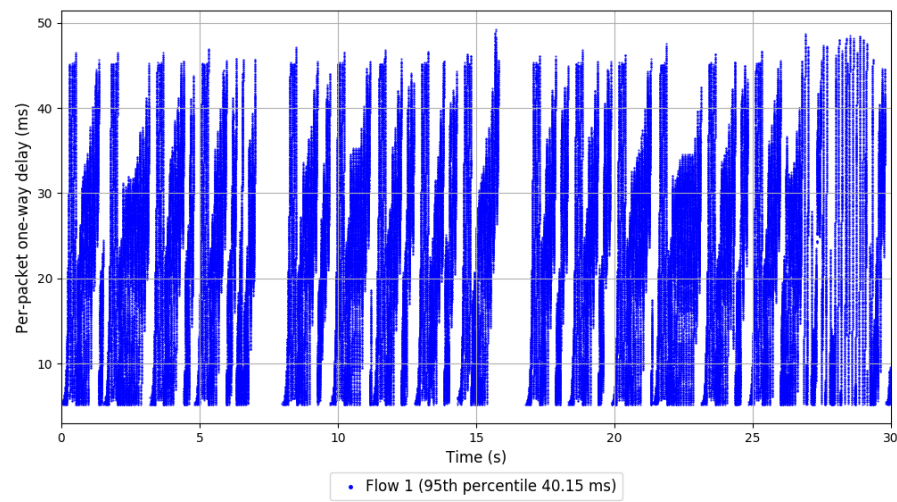
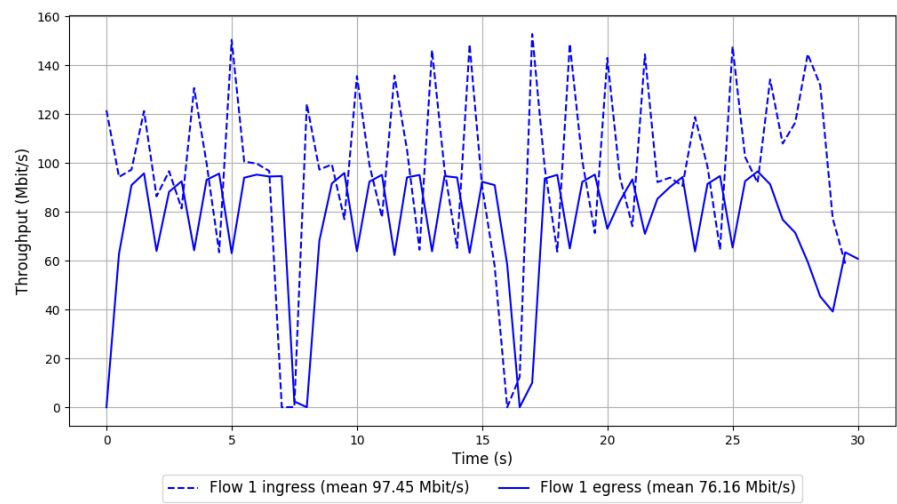
-- Flow 1:

Average throughput: 76.16 Mbit/s

95th percentile per-packet one-way delay: 40.148 ms

Loss rate: 21.84%

Run 2: Report of Verus — Data Link



Run 3: Statistics of Verus

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

End at: 2019-09-18 01:03:39

Local clock offset: 1.225 ms

Remote clock offset: 5.027 ms

Below is generated by plot.py at 2019-09-18 02:36:24

Datalink statistics

-- Total of 1 flow:

Average throughput: 76.91 Mbit/s

95th percentile per-packet one-way delay: 43.509 ms

Loss rate: 23.06%

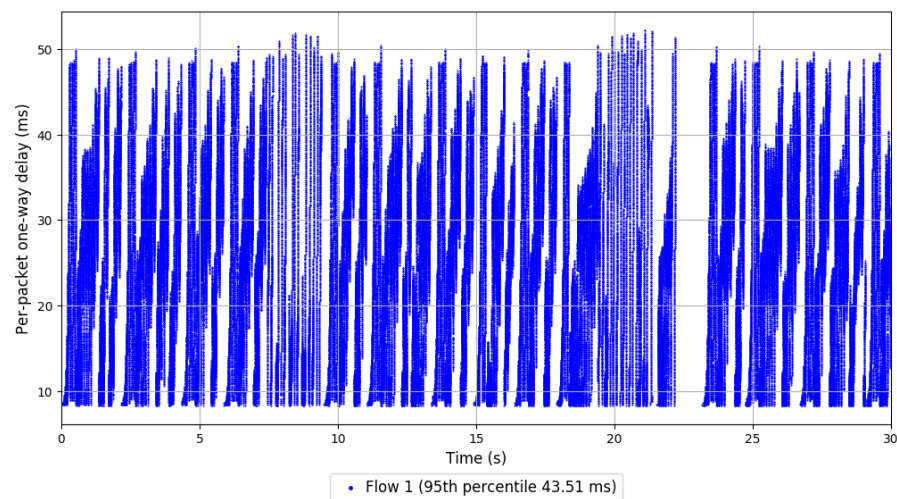
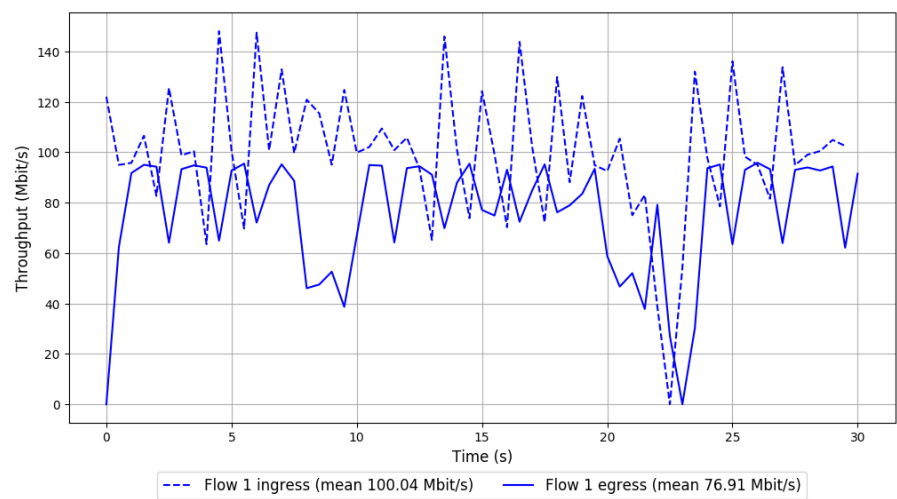
-- Flow 1:

Average throughput: 76.91 Mbit/s

95th percentile per-packet one-way delay: 43.509 ms

Loss rate: 23.06%

Run 3: Report of Verus — Data Link



Run 4: Statistics of Verus

Start at: 2019-09-18 01:31:18

End at: 2019-09-18 01:31:48

Local clock offset: 3.925 ms

Remote clock offset: 6.163 ms

Below is generated by plot.py at 2019-09-18 02:36:56

Datalink statistics

-- Total of 1 flow:

Average throughput: 90.85 Mbit/s

95th percentile per-packet one-way delay: 38.944 ms

Loss rate: 6.03%

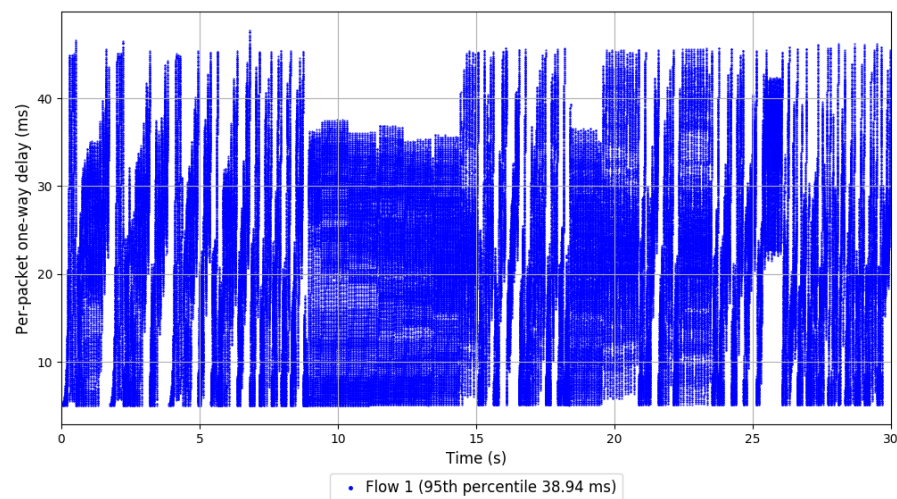
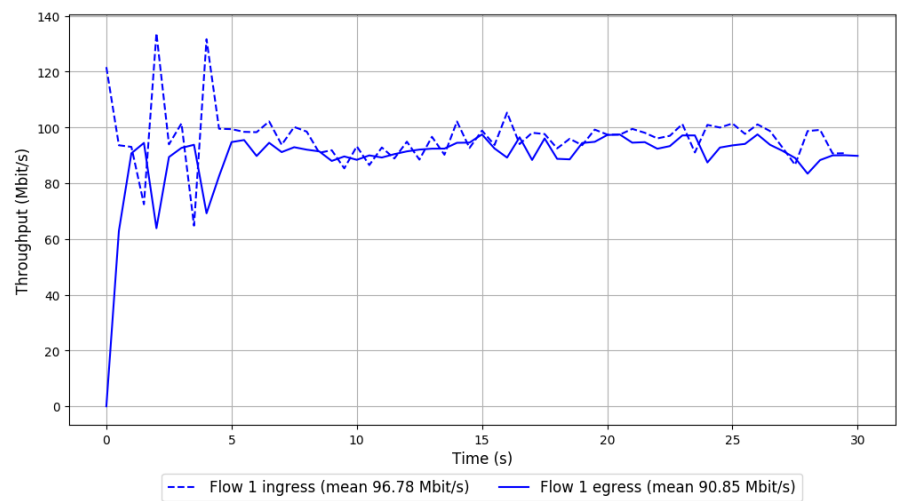
-- Flow 1:

Average throughput: 90.85 Mbit/s

95th percentile per-packet one-way delay: 38.944 ms

Loss rate: 6.03%

Run 4: Report of Verus — Data Link



Run 5: Statistics of Verus

Start at: 2019-09-18 01:59:59

End at: 2019-09-18 02:00:29

Local clock offset: 0.582 ms

Remote clock offset: 7.152 ms

Below is generated by plot.py at 2019-09-18 02:37:15

Datalink statistics

-- Total of 1 flow:

Average throughput: 82.07 Mbit/s

95th percentile per-packet one-way delay: 48.008 ms

Loss rate: 48.24%

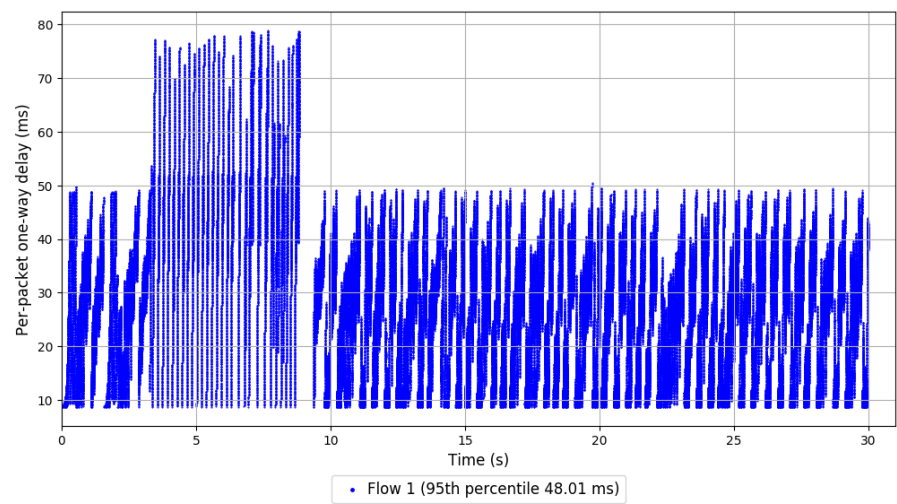
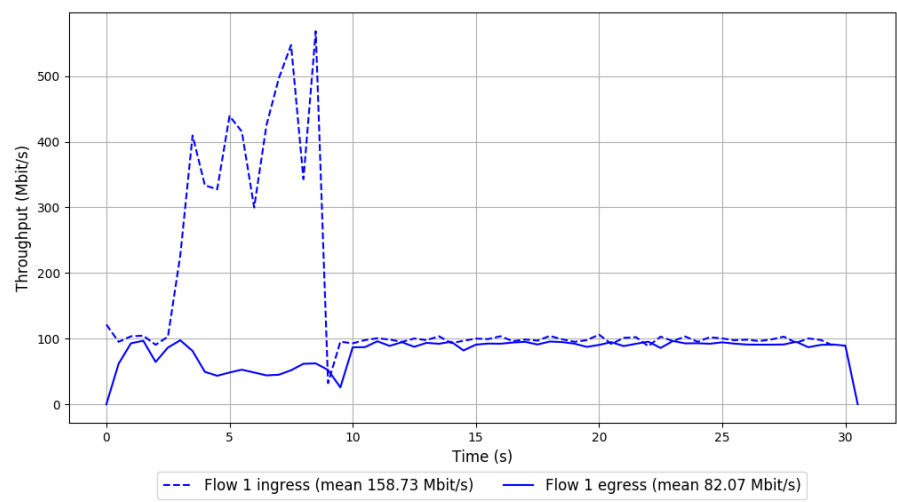
-- Flow 1:

Average throughput: 82.07 Mbit/s

95th percentile per-packet one-way delay: 48.008 ms

Loss rate: 48.24%

Run 5: Report of Verus — Data Link



Run 1: Statistics of PCC-Vivace

Start at: 2019-09-18 00:27:45

End at: 2019-09-18 00:28:15

Local clock offset: 0.906 ms

Remote clock offset: 5.061 ms

Below is generated by plot.py at 2019-09-18 02:37:15

Datalink statistics

-- Total of 1 flow:

Average throughput: 86.60 Mbit/s

95th percentile per-packet one-way delay: 10.306 ms

Loss rate: 0.00%

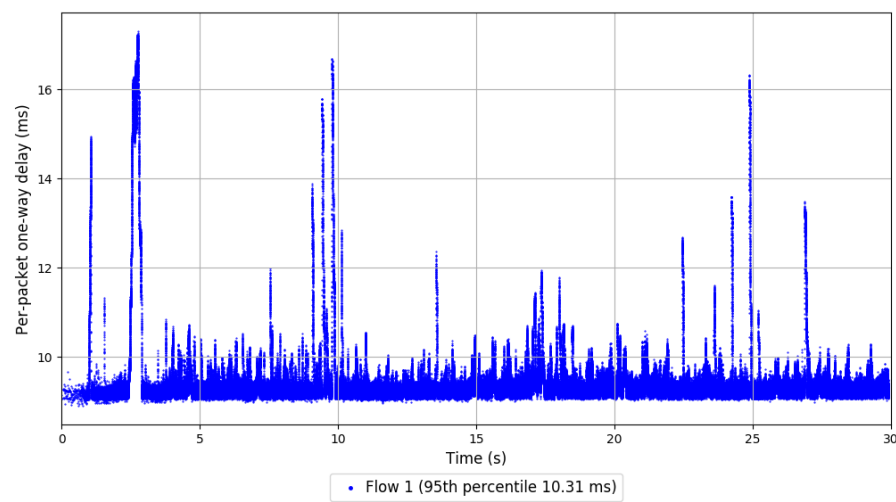
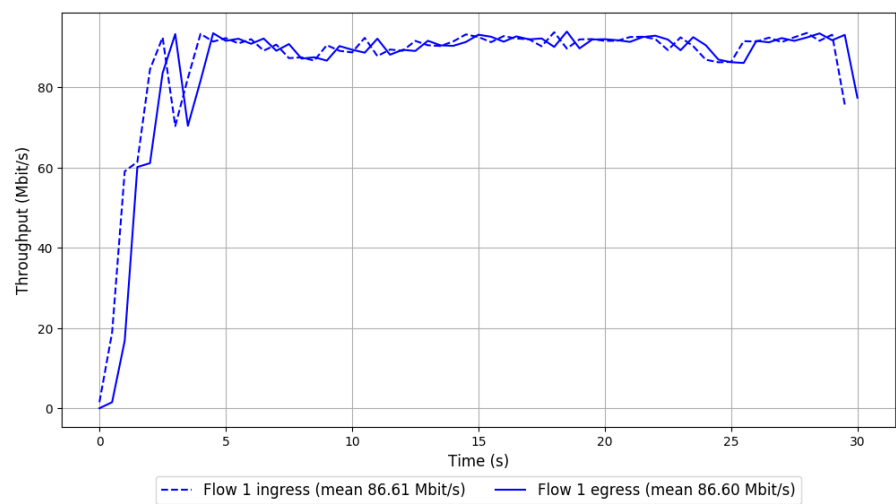
-- Flow 1:

Average throughput: 86.60 Mbit/s

95th percentile per-packet one-way delay: 10.306 ms

Loss rate: 0.00%

Run 1: Report of PCC-Vivace — Data Link



Run 2: Statistics of PCC-Vivace

Start at: 2019-09-18 00:55:57

End at: 2019-09-18 00:56:27

Local clock offset: 6.302 ms

Remote clock offset: 5.213 ms

Below is generated by plot.py at 2019-09-18 02:37:15

Datalink statistics

-- Total of 1 flow:

Average throughput: 85.20 Mbit/s

95th percentile per-packet one-way delay: 5.689 ms

Loss rate: 0.00%

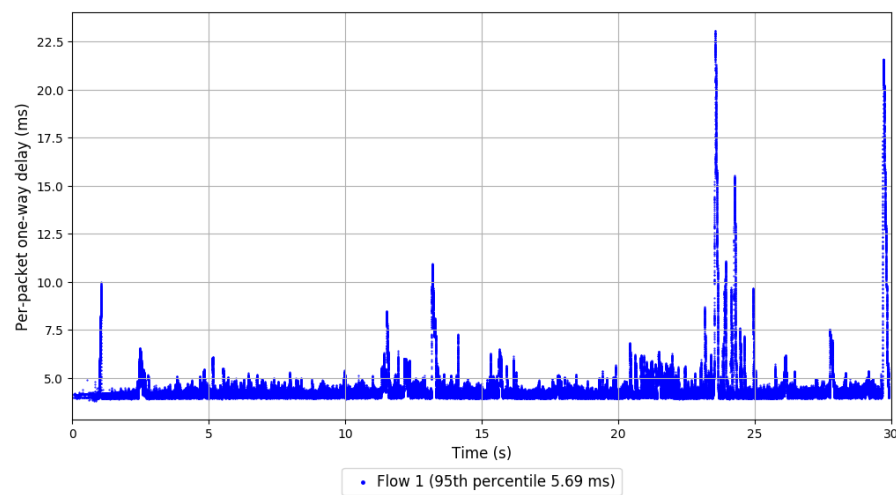
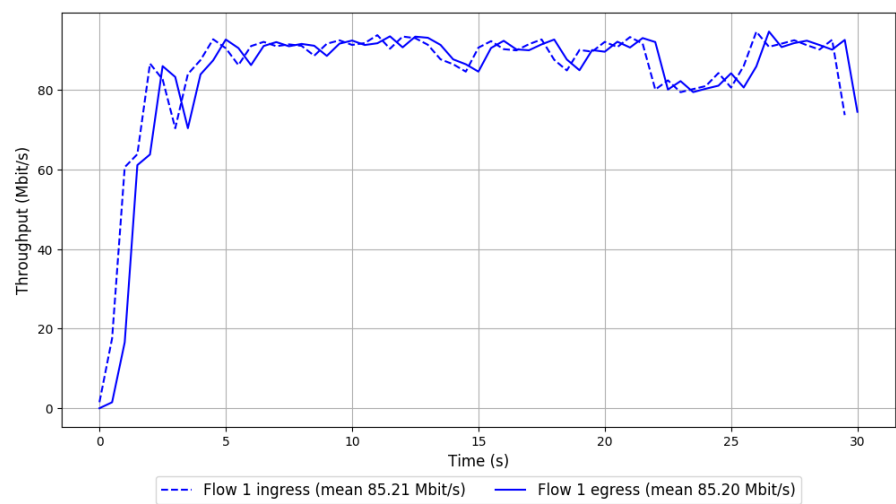
-- Flow 1:

Average throughput: 85.20 Mbit/s

95th percentile per-packet one-way delay: 5.689 ms

Loss rate: 0.00%

Run 2: Report of PCC-Vivace — Data Link



Run 3: Statistics of PCC-Vivace

Start at: 2019-09-18 01:24:06

End at: 2019-09-18 01:24:36

Local clock offset: 3.817 ms

Remote clock offset: 6.543 ms

Below is generated by plot.py at 2019-09-18 02:37:15

Datalink statistics

-- Total of 1 flow:

Average throughput: 86.93 Mbit/s

95th percentile per-packet one-way delay: 6.849 ms

Loss rate: 0.00%

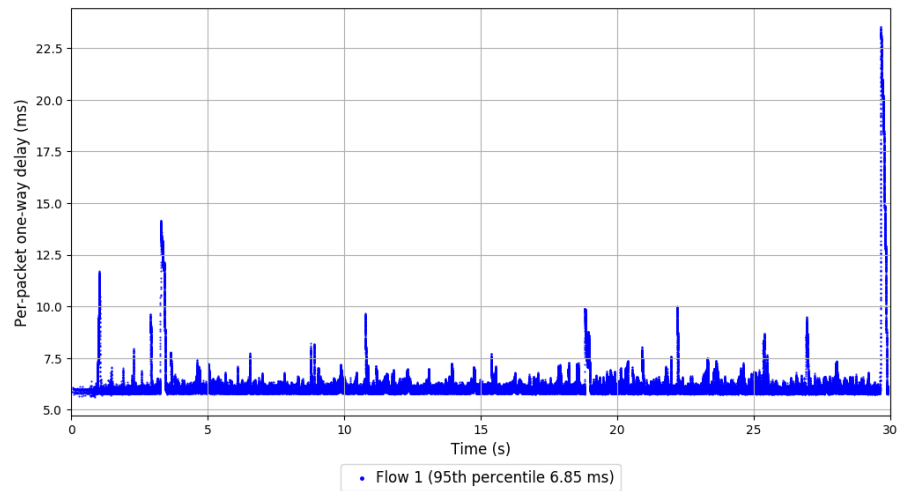
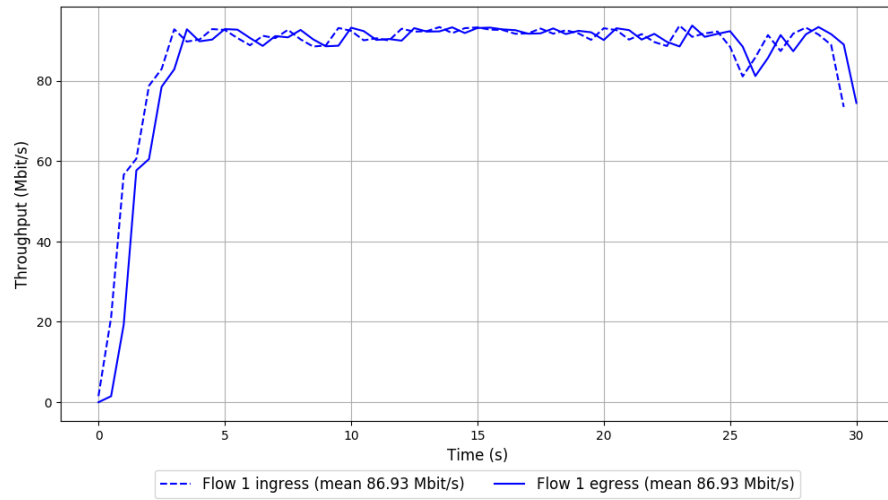
-- Flow 1:

Average throughput: 86.93 Mbit/s

95th percentile per-packet one-way delay: 6.849 ms

Loss rate: 0.00%

Run 3: Report of PCC-Vivace — Data Link



Run 4: Statistics of PCC-Vivace

Start at: 2019-09-18 01:52:39

End at: 2019-09-18 01:53:09

Local clock offset: 0.383 ms

Remote clock offset: 5.327 ms

Below is generated by plot.py at 2019-09-18 02:37:16

Datalink statistics

-- Total of 1 flow:

Average throughput: 84.82 Mbit/s

95th percentile per-packet one-way delay: 13.041 ms

Loss rate: 0.00%

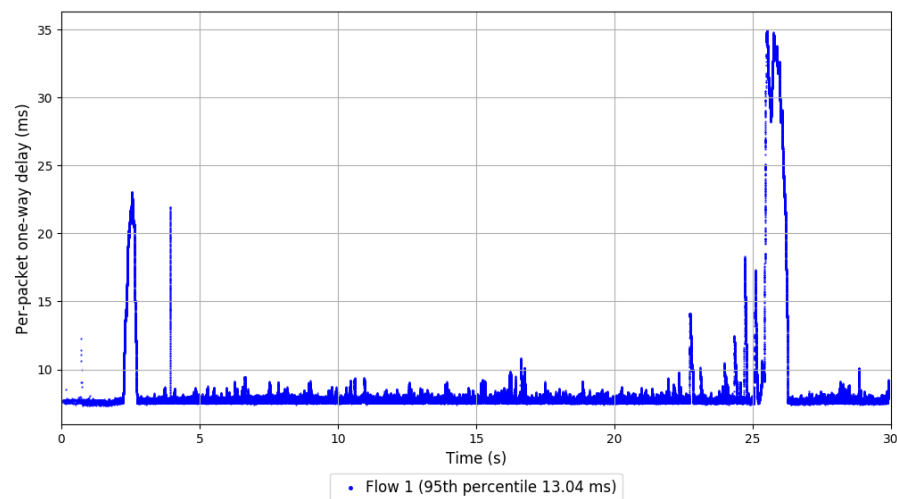
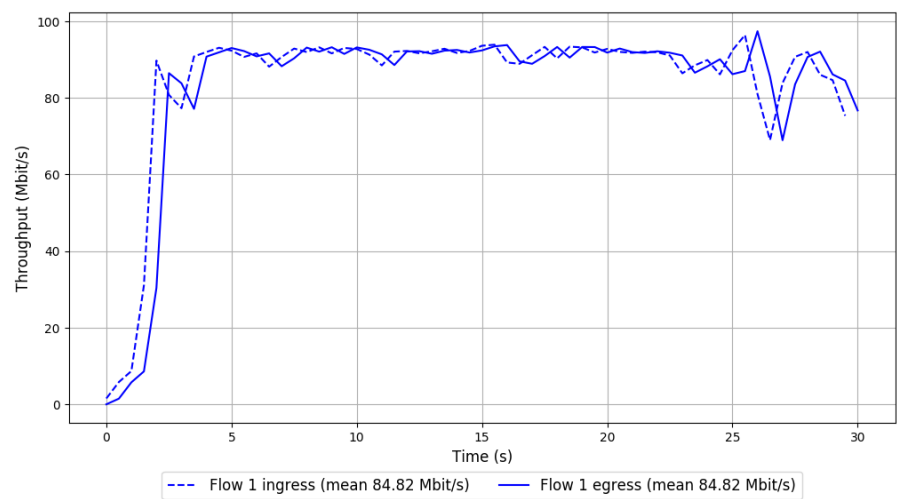
-- Flow 1:

Average throughput: 84.82 Mbit/s

95th percentile per-packet one-way delay: 13.041 ms

Loss rate: 0.00%

Run 4: Report of PCC-Vivace — Data Link



Run 5: Statistics of PCC-Vivace

Start at: 2019-09-18 02:21:02

End at: 2019-09-18 02:21:32

Local clock offset: 2.156 ms

Remote clock offset: 5.815 ms

Below is generated by plot.py at 2019-09-18 02:37:16

Datalink statistics

-- Total of 1 flow:

Average throughput: 87.29 Mbit/s

95th percentile per-packet one-way delay: 8.570 ms

Loss rate: 0.00%

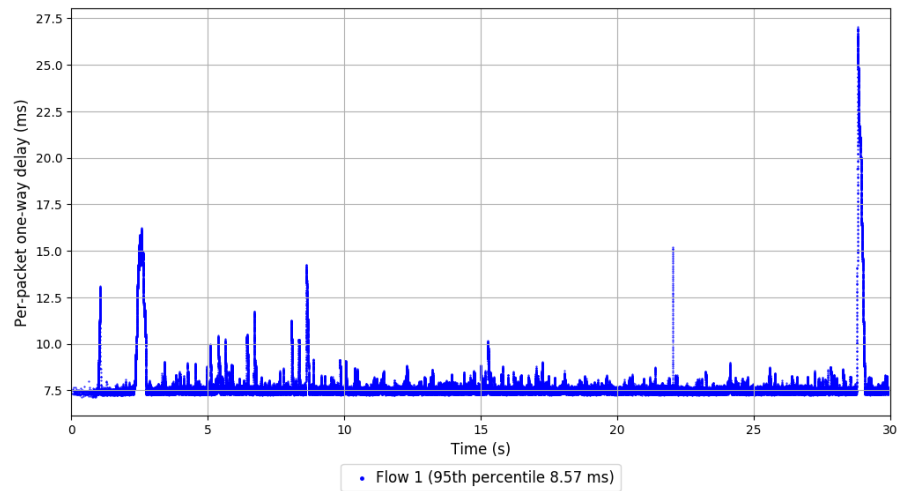
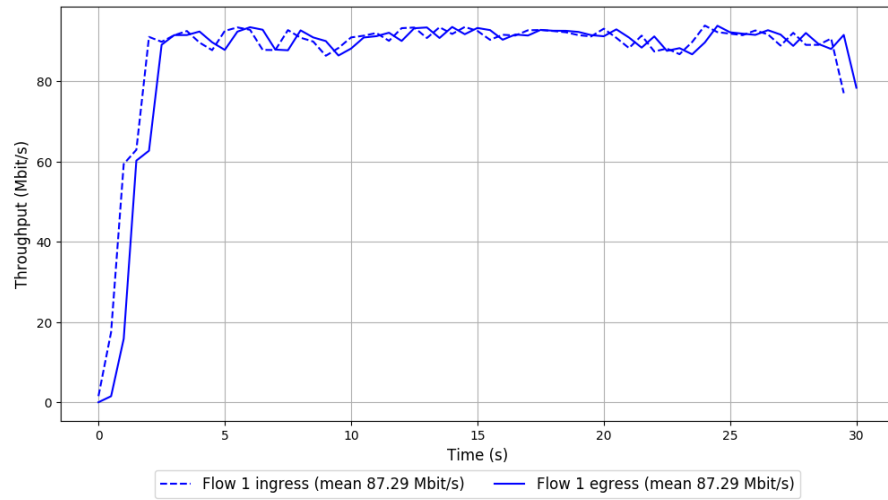
-- Flow 1:

Average throughput: 87.29 Mbit/s

95th percentile per-packet one-way delay: 8.570 ms

Loss rate: 0.00%

Run 5: Report of PCC-Vivace — Data Link



Run 1: Statistics of WebRTC media

Start at: 2019-09-18 00:13:53

End at: 2019-09-18 00:14:23

Local clock offset: 1.25 ms

Remote clock offset: 5.458 ms

Below is generated by plot.py at 2019-09-18 02:37:16

Datalink statistics

-- Total of 1 flow:

Average throughput: 2.03 Mbit/s

95th percentile per-packet one-way delay: 10.140 ms

Loss rate: 0.00%

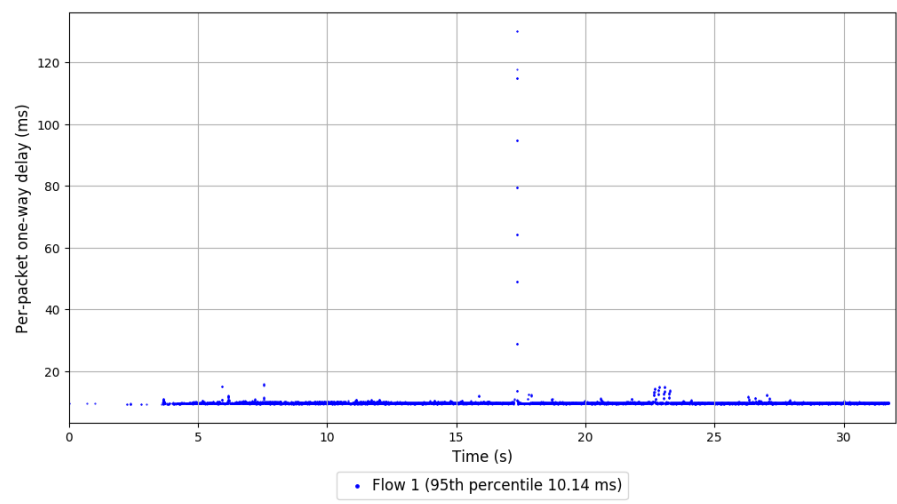
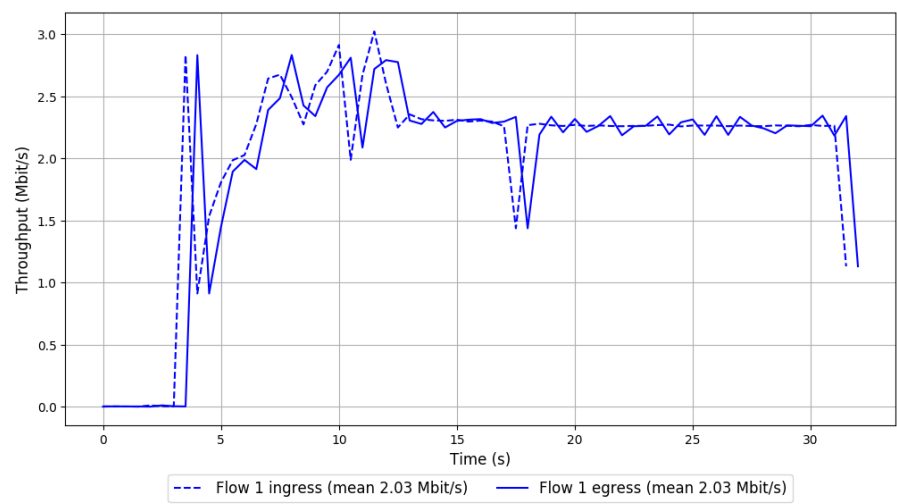
-- Flow 1:

Average throughput: 2.03 Mbit/s

95th percentile per-packet one-way delay: 10.140 ms

Loss rate: 0.00%

Run 1: Report of WebRTC media — Data Link



Run 2: Statistics of WebRTC media

Start at: 2019-09-18 00:41:48

End at: 2019-09-18 00:42:18

Local clock offset: 5.633 ms

Remote clock offset: 4.168 ms

Below is generated by plot.py at 2019-09-18 02:37:16

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.05 Mbit/s

95th percentile per-packet one-way delay: 4.775 ms

Loss rate: 0.00%

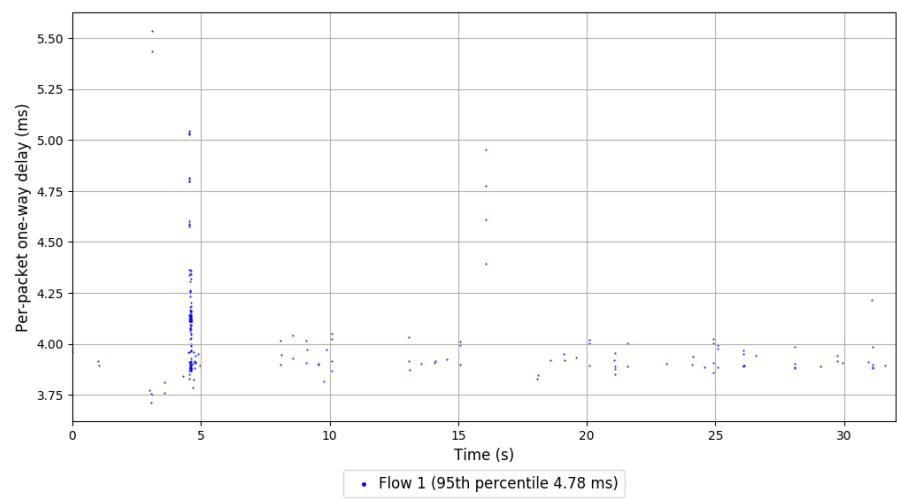
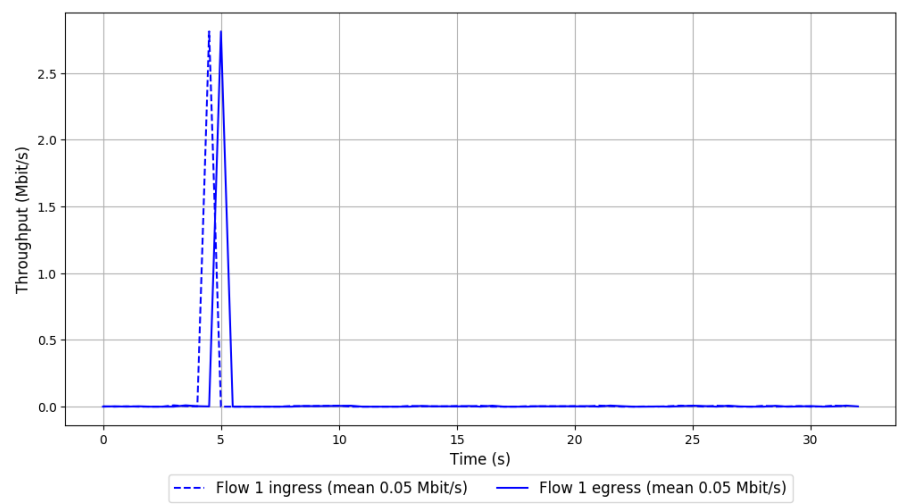
-- Flow 1:

Average throughput: 0.05 Mbit/s

95th percentile per-packet one-way delay: 4.775 ms

Loss rate: 0.00%

Run 2: Report of WebRTC media — Data Link



Run 3: Statistics of WebRTC media

Start at: 2019-09-18 01:10:13

End at: 2019-09-18 01:10:43

Local clock offset: 5.0 ms

Remote clock offset: 5.27 ms

Below is generated by plot.py at 2019-09-18 02:37:16

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.05 Mbit/s

95th percentile per-packet one-way delay: 5.123 ms

Loss rate: 0.00%

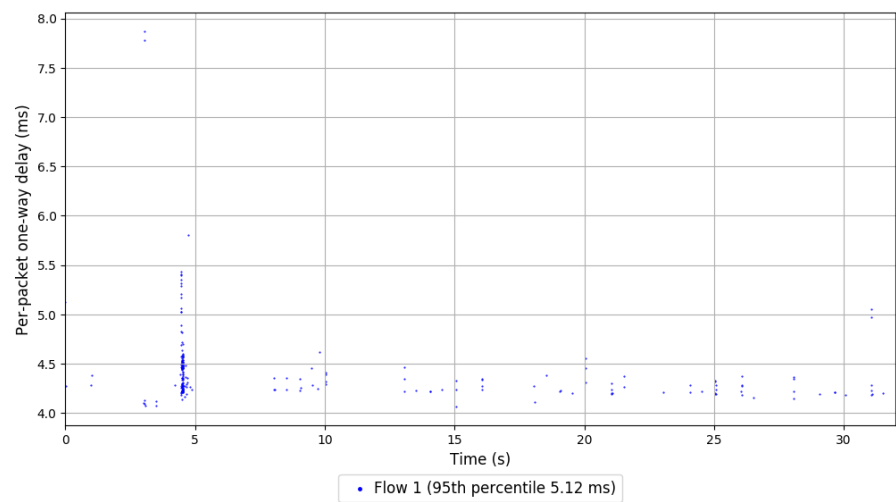
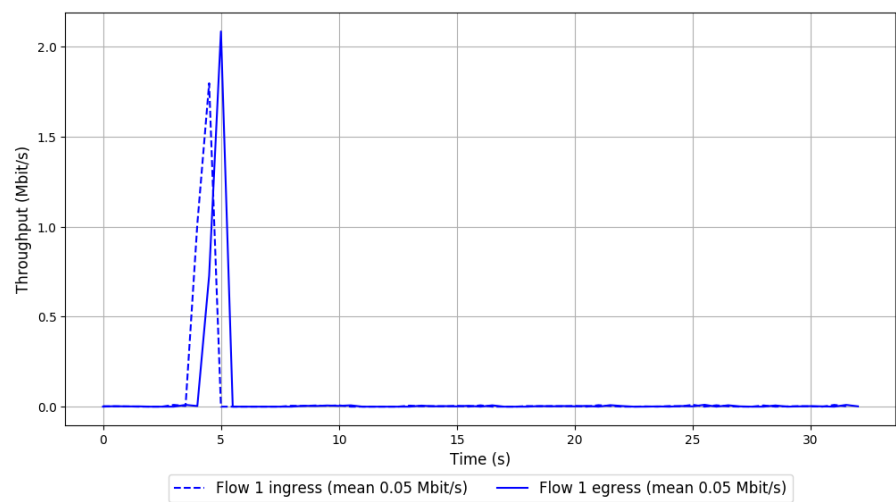
-- Flow 1:

Average throughput: 0.05 Mbit/s

95th percentile per-packet one-way delay: 5.123 ms

Loss rate: 0.00%

Run 3: Report of WebRTC media — Data Link



Run 4: Statistics of WebRTC media

Start at: 2019-09-18 01:38:27

End at: 2019-09-18 01:38:57

Local clock offset: -5.927 ms

Remote clock offset: 0.271 ms

Below is generated by plot.py at 2019-09-18 02:37:16

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.05 Mbit/s

95th percentile per-packet one-way delay: 9.719 ms

Loss rate: 0.00%

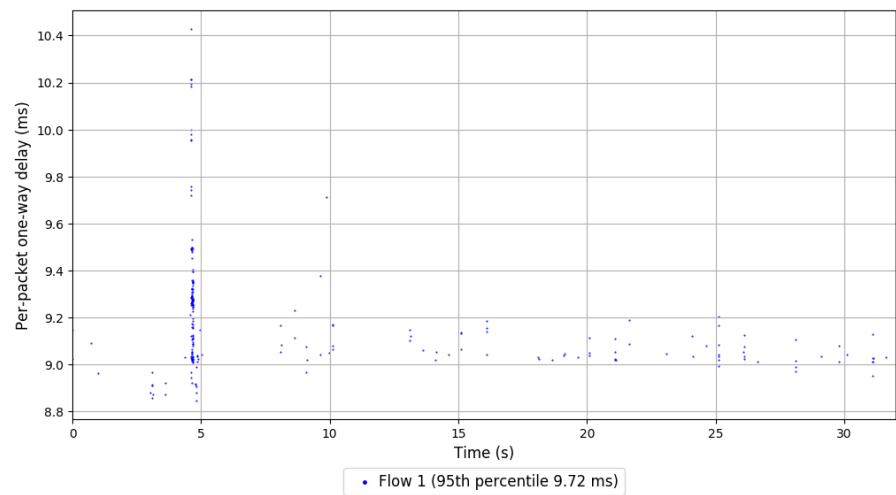
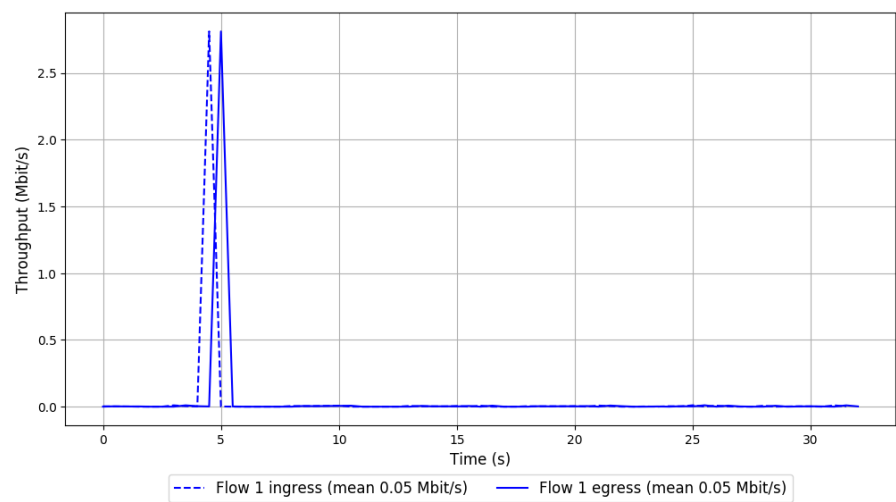
-- Flow 1:

Average throughput: 0.05 Mbit/s

95th percentile per-packet one-way delay: 9.719 ms

Loss rate: 0.00%

Run 4: Report of WebRTC media — Data Link



Run 5: Statistics of WebRTC media

Start at: 2019-09-18 02:07:09

End at: 2019-09-18 02:07:39

Local clock offset: 0.463 ms

Remote clock offset: 5.478 ms

Below is generated by plot.py at 2019-09-18 02:37:16

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.05 Mbit/s

95th percentile per-packet one-way delay: 9.104 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 0.05 Mbit/s

95th percentile per-packet one-way delay: 9.104 ms

Loss rate: 0.00%

Run 5: Report of WebRTC media — Data Link

