

Pantheon Report

Generated at 2019-07-17 19:52:38 (UTC).

Data path: AWS Brazil 1 on `ens5` (*local*) → Brazil on `p4p1` (*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 `gps.ntp.br` and have been applied to correct the timestamps in logs.

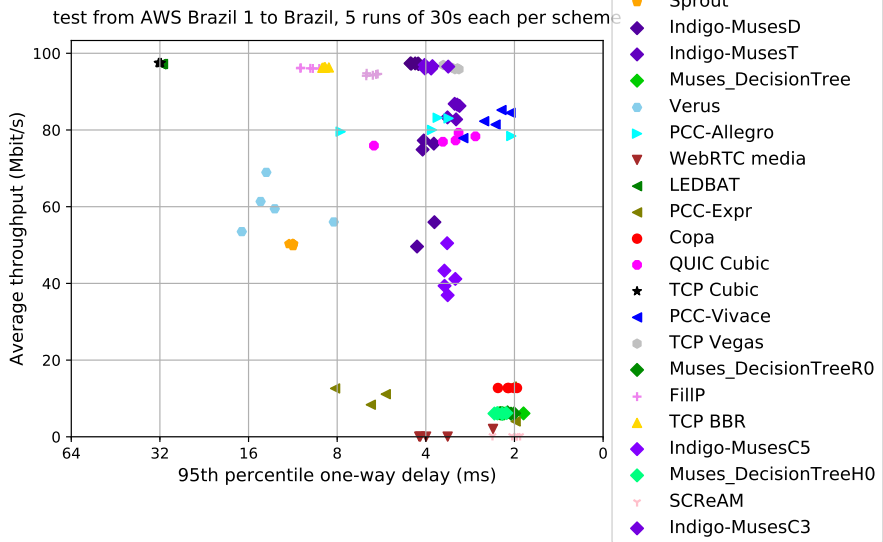
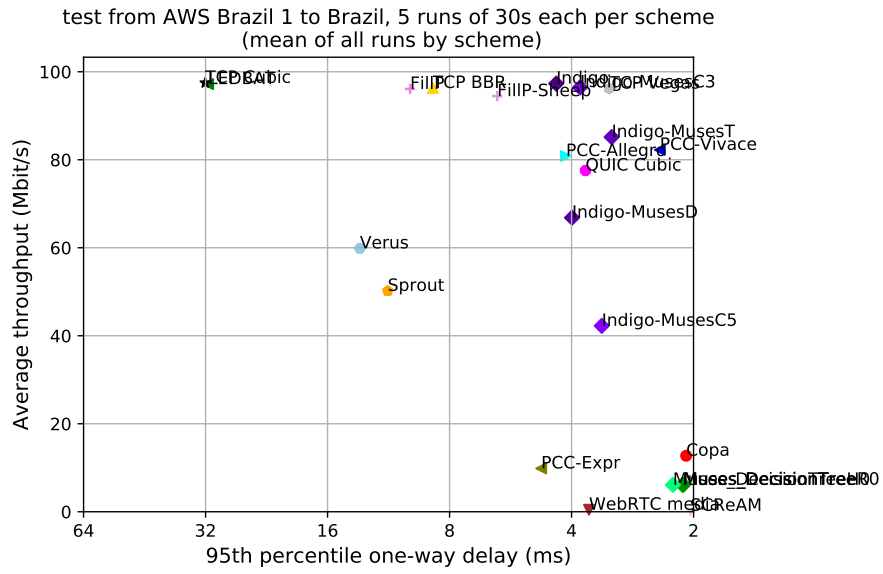
System info:

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

Git summary:

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

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



scheme	# runs	mean avg tput (Mbit/s) flow 1	mean 95th-%ile delay (ms) flow 1	mean loss rate (%) flow 1
TCP BBR	5	96.31	8.80	0.00
Copa	5	12.73	2.09	65.64
TCP Cubic	5	97.48	32.06	0.01
FillP	5	96.09	10.01	0.28
FillP-Sheep	5	94.46	6.10	0.09
Indigo	5	97.31	4.36	0.00
Indigo-MusesC3	5	96.44	3.81	0.00
Indigo-MusesC5	5	42.25	3.37	0.00
Indigo-MusesD	5	66.84	3.99	0.00
Indigo-MusesT	5	85.15	3.19	0.00
LEDBAT	5	97.19	31.54	0.01
Muses_DecisionTree	5	6.10	2.13	0.00
Muses_DecisionTreeH0	5	6.11	2.25	0.00
Muses_DecisionTreeR0	5	6.16	2.12	0.00
PCC-Allegro	5	80.85	4.13	0.00
PCC-Expr	5	9.84	4.75	33.04
QUIC Cubic	5	77.55	3.70	0.23
SCReAM	5	0.22	2.04	0.00
Sprout	5	50.19	11.37	0.00
TaoVA-100x	0	N/A	N/A	N/A
TCP Vegas	5	96.18	3.23	0.00
Verus	5	59.86	13.32	1.11
PCC-Vivace	5	82.25	2.42	0.00
WebRTC media	5	0.45	3.62	0.00

Run 1: Statistics of TCP BBR

Start at: 2019-07-17 17:47:37

End at: 2019-07-17 17:48:07

Local clock offset: -4.166 ms

Remote clock offset: 0.101 ms

Below is generated by plot.py at 2019-07-17 19:42:23

Datalink statistics

-- Total of 1 flow:

Average throughput: 96.34 Mbit/s

95th percentile per-packet one-way delay: 8.862 ms

Loss rate: 0.00%

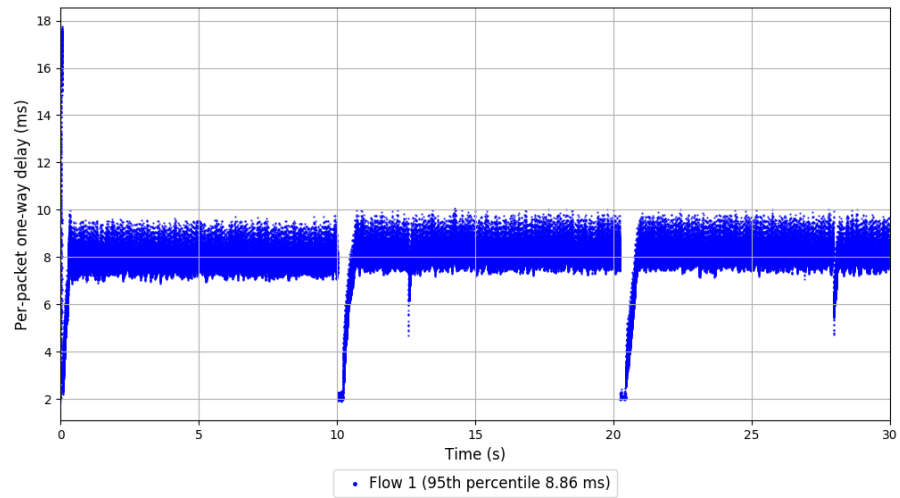
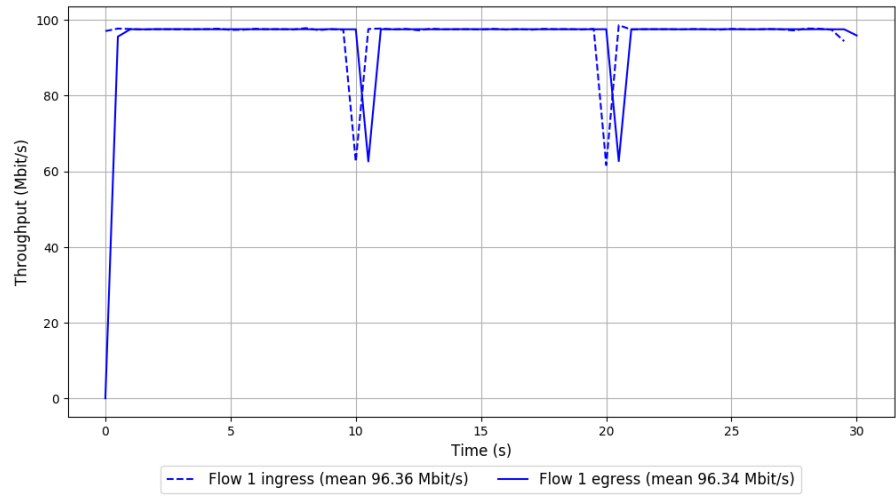
-- Flow 1:

Average throughput: 96.34 Mbit/s

95th percentile per-packet one-way delay: 8.862 ms

Loss rate: 0.00%

Run 1: Report of TCP BBR — Data Link



Run 2: Statistics of TCP BBR

Start at: 2019-07-17 18:14:17

End at: 2019-07-17 18:14:47

Local clock offset: -5.217 ms

Remote clock offset: 0.167 ms

Below is generated by plot.py at 2019-07-17 19:42:23

Datalink statistics

-- Total of 1 flow:

Average throughput: 96.33 Mbit/s

95th percentile per-packet one-way delay: 8.807 ms

Loss rate: 0.00%

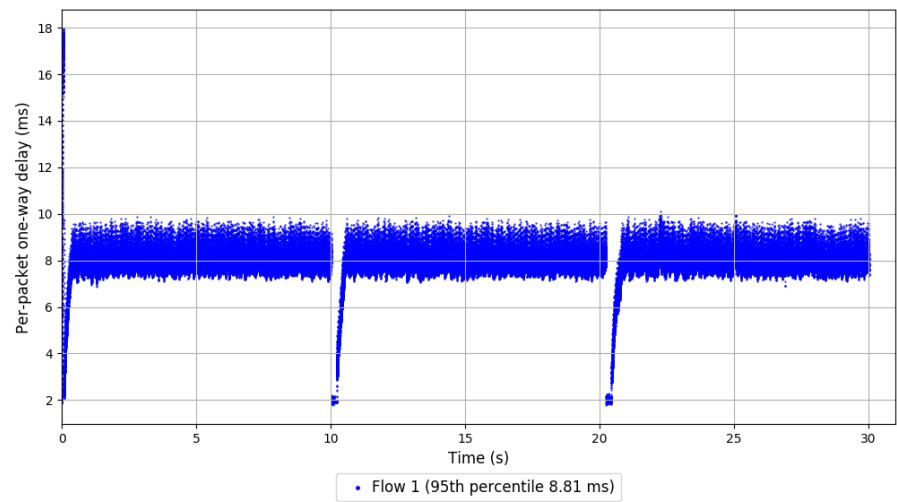
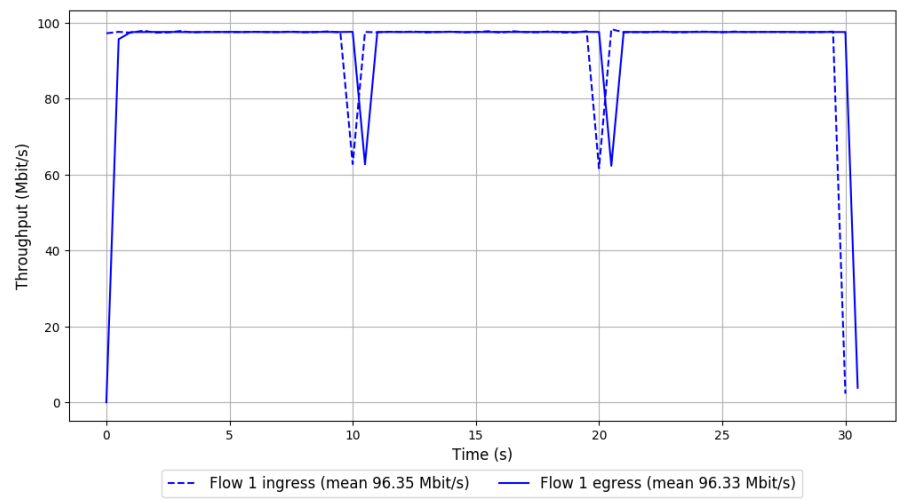
-- Flow 1:

Average throughput: 96.33 Mbit/s

95th percentile per-packet one-way delay: 8.807 ms

Loss rate: 0.00%

Run 2: Report of TCP BBR — Data Link



Run 3: Statistics of TCP BBR

Start at: 2019-07-17 18:40:56

End at: 2019-07-17 18:41:26

Local clock offset: -5.921 ms

Remote clock offset: 0.336 ms

Below is generated by plot.py at 2019-07-17 19:42:24

Datalink statistics

-- Total of 1 flow:

Average throughput: 96.33 Mbit/s

95th percentile per-packet one-way delay: 8.787 ms

Loss rate: 0.00%

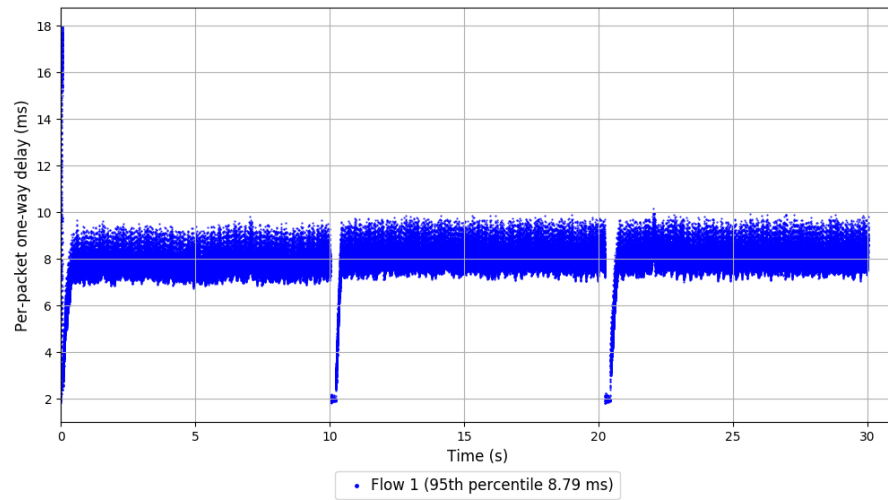
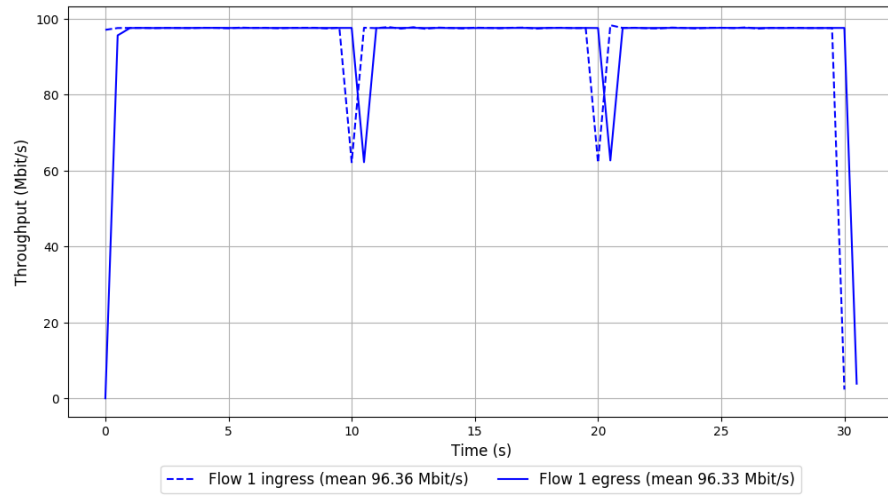
-- Flow 1:

Average throughput: 96.33 Mbit/s

95th percentile per-packet one-way delay: 8.787 ms

Loss rate: 0.00%

Run 3: Report of TCP BBR — Data Link



Run 4: Statistics of TCP BBR

Start at: 2019-07-17 19:07:36

End at: 2019-07-17 19:08:06

Local clock offset: -1.783 ms

Remote clock offset: 0.445 ms

Below is generated by plot.py at 2019-07-17 19:42:24

Datalink statistics

-- Total of 1 flow:

Average throughput: 96.23 Mbit/s

95th percentile per-packet one-way delay: 8.986 ms

Loss rate: 0.00%

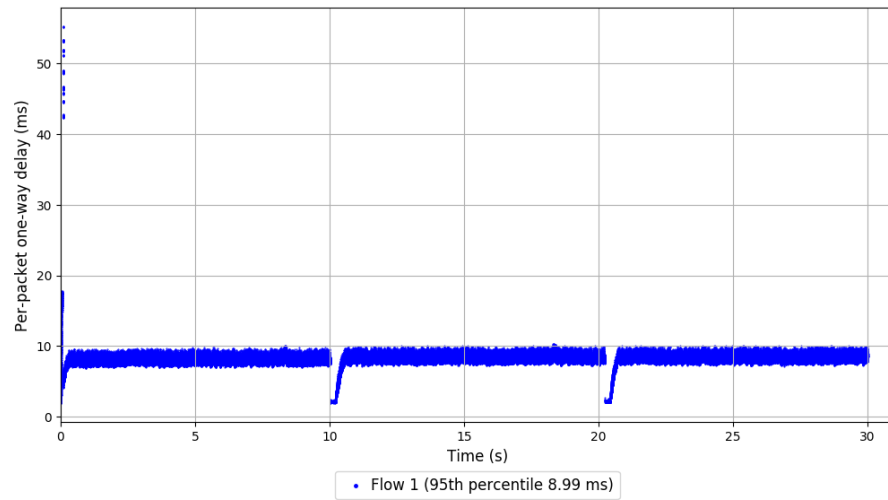
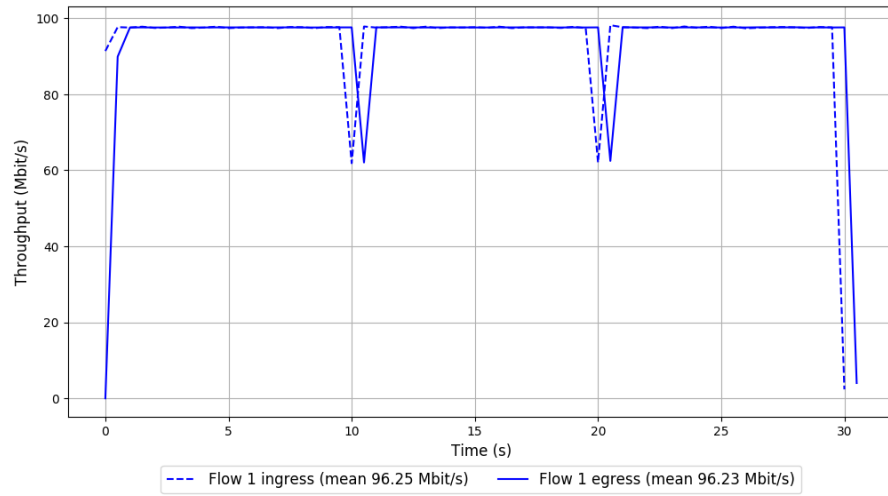
-- Flow 1:

Average throughput: 96.23 Mbit/s

95th percentile per-packet one-way delay: 8.986 ms

Loss rate: 0.00%

Run 4: Report of TCP BBR — Data Link



Run 5: Statistics of TCP BBR

Start at: 2019-07-17 19:34:44

End at: 2019-07-17 19:35:14

Local clock offset: -4.593 ms

Remote clock offset: 0.192 ms

Below is generated by plot.py at 2019-07-17 19:42:24

Datalink statistics

-- Total of 1 flow:

Average throughput: 96.31 Mbit/s

95th percentile per-packet one-way delay: 8.539 ms

Loss rate: 0.00%

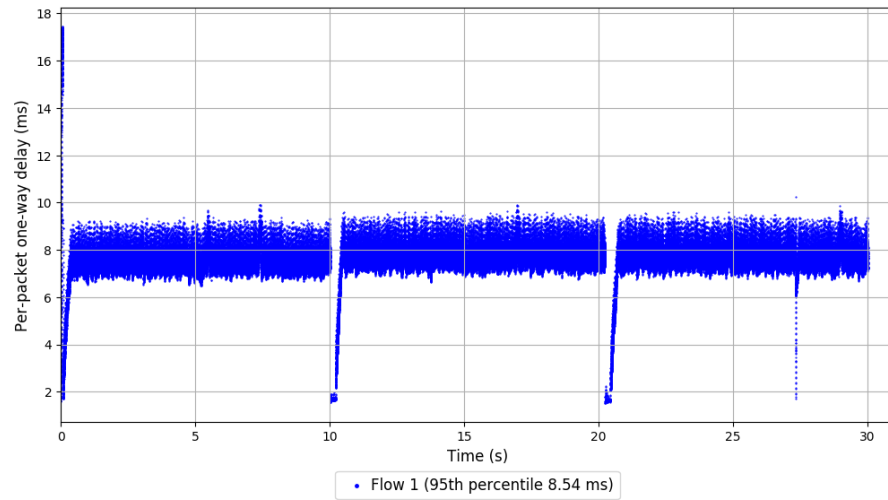
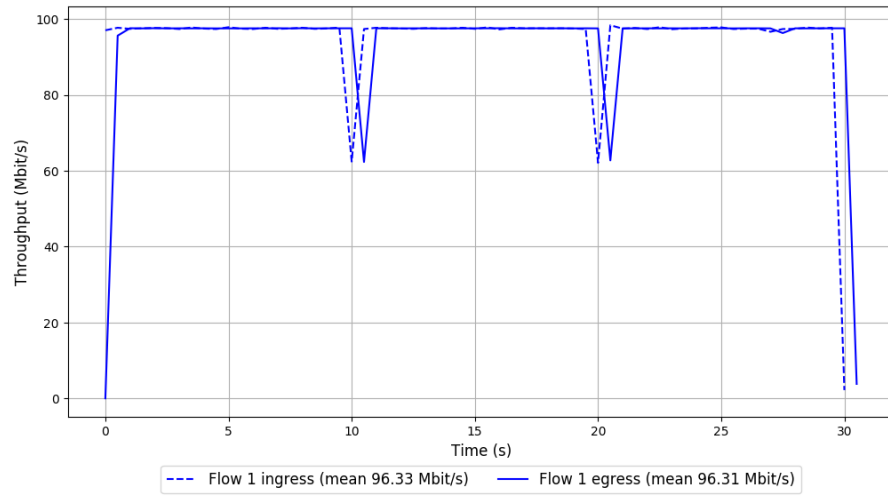
-- Flow 1:

Average throughput: 96.31 Mbit/s

95th percentile per-packet one-way delay: 8.539 ms

Loss rate: 0.00%

Run 5: Report of TCP BBR — Data Link

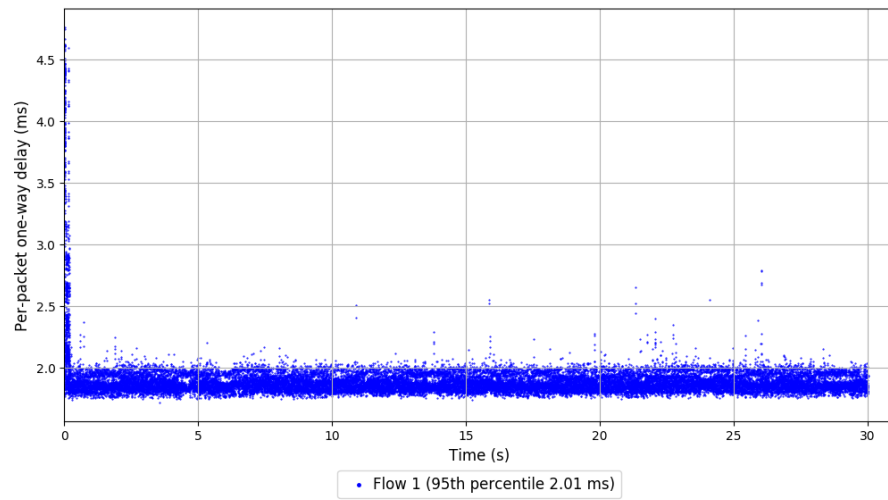
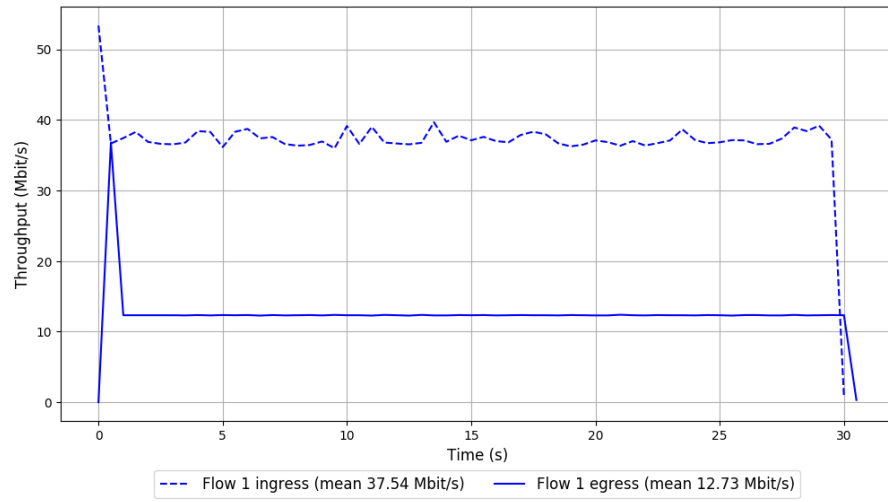


Run 1: Statistics of Copa

Start at: 2019-07-17 17:43:12
End at: 2019-07-17 17:43:42
Local clock offset: -4.27 ms
Remote clock offset: -0.011 ms

Below is generated by plot.py at 2019-07-17 19:42:24
Datalink statistics
-- Total of 1 flow:
Average throughput: 12.73 Mbit/s
95th percentile per-packet one-way delay: 2.008 ms
Loss rate: 66.09%
-- Flow 1:
Average throughput: 12.73 Mbit/s
95th percentile per-packet one-way delay: 2.008 ms
Loss rate: 66.09%

Run 1: Report of Copa — Data Link



Run 2: Statistics of Copa

Start at: 2019-07-17 18:09:52

End at: 2019-07-17 18:10:22

Local clock offset: -5.315 ms

Remote clock offset: 0.156 ms

Below is generated by plot.py at 2019-07-17 19:42:24

Datalink statistics

-- Total of 1 flow:

Average throughput: 12.73 Mbit/s

95th percentile per-packet one-way delay: 2.094 ms

Loss rate: 65.75%

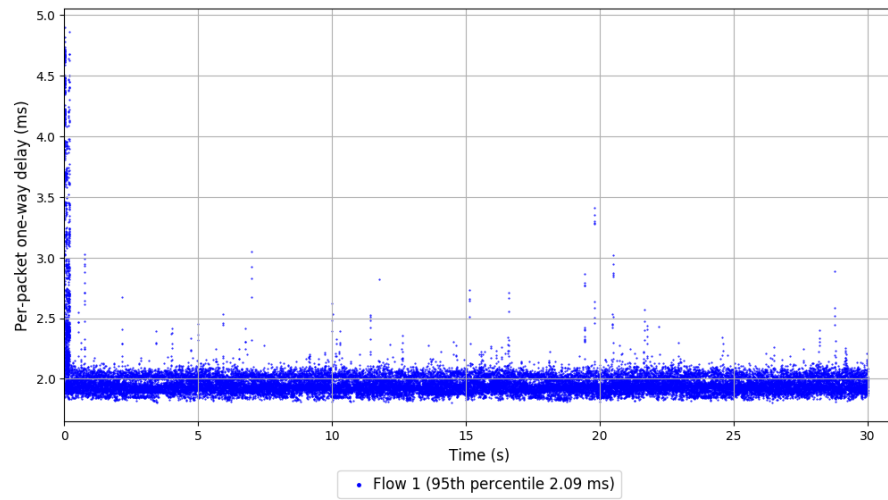
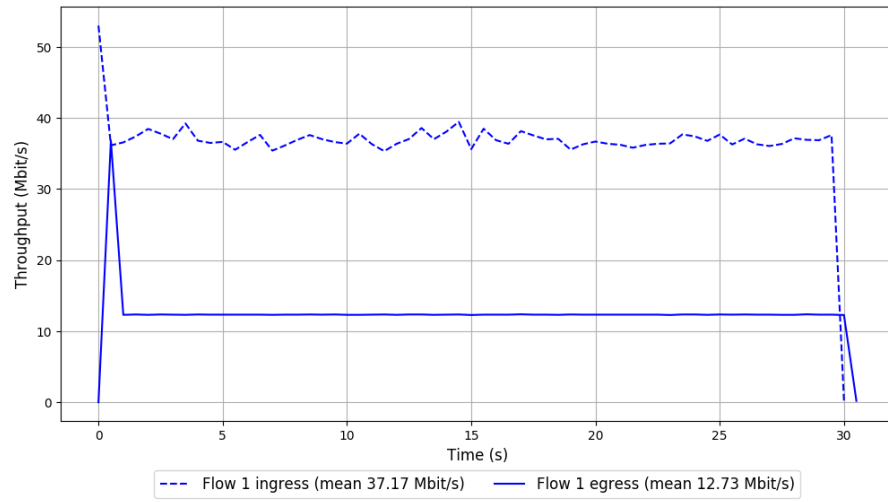
-- Flow 1:

Average throughput: 12.73 Mbit/s

95th percentile per-packet one-way delay: 2.094 ms

Loss rate: 65.75%

Run 2: Report of Copa — Data Link

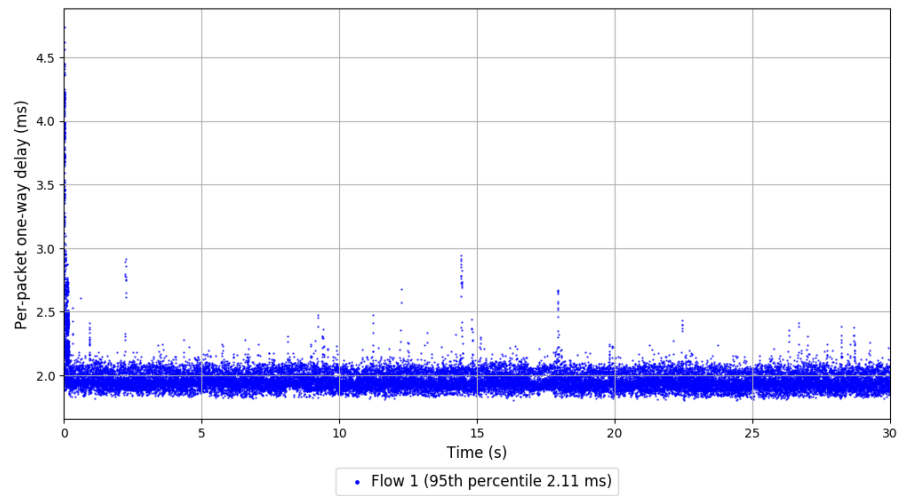
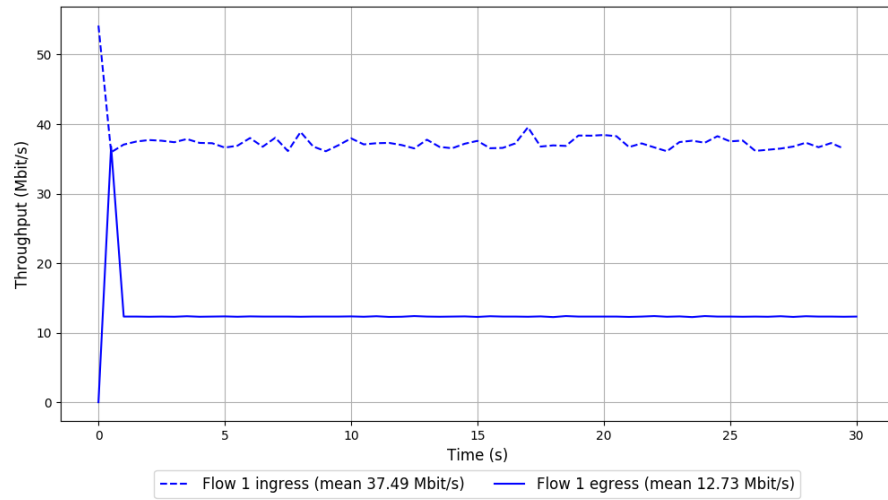


Run 3: Statistics of Copa

Start at: 2019-07-17 18:36:31
End at: 2019-07-17 18:37:01
Local clock offset: -5.894 ms
Remote clock offset: 0.349 ms

Below is generated by plot.py at 2019-07-17 19:42:24
Datalink statistics
-- Total of 1 flow:
Average throughput: 12.73 Mbit/s
95th percentile per-packet one-way delay: 2.107 ms
Loss rate: 66.05%
-- Flow 1:
Average throughput: 12.73 Mbit/s
95th percentile per-packet one-way delay: 2.107 ms
Loss rate: 66.05%

Run 3: Report of Copa — Data Link



Run 4: Statistics of Copa

Start at: 2019-07-17 19:03:11

End at: 2019-07-17 19:03:41

Local clock offset: -2.721 ms

Remote clock offset: 0.419 ms

Below is generated by plot.py at 2019-07-17 19:42:24

Datalink statistics

-- Total of 1 flow:

Average throughput: 12.73 Mbit/s

95th percentile per-packet one-way delay: 2.276 ms

Loss rate: 65.24%

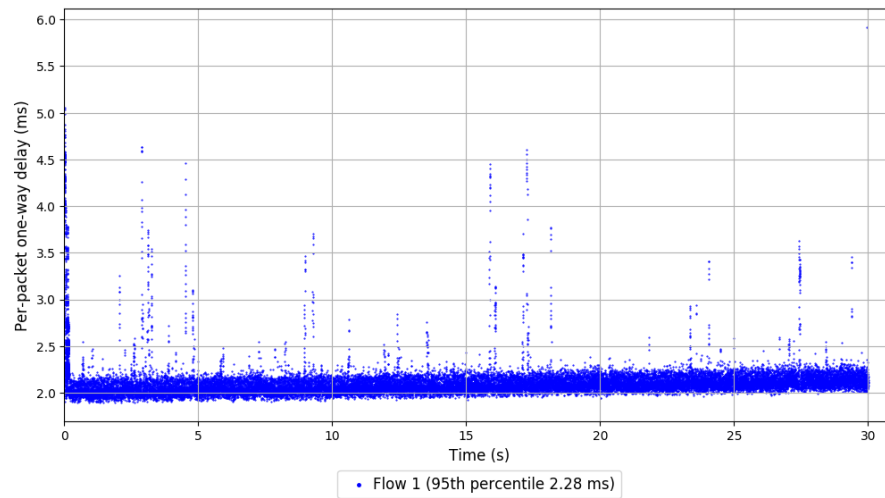
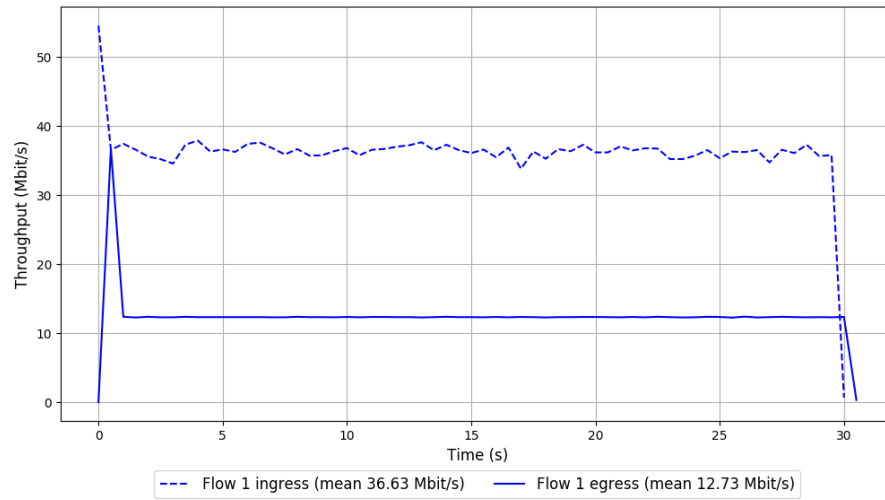
-- Flow 1:

Average throughput: 12.73 Mbit/s

95th percentile per-packet one-way delay: 2.276 ms

Loss rate: 65.24%

Run 4: Report of Copa — Data Link



Run 5: Statistics of Copa

Start at: 2019-07-17 19:30:13

End at: 2019-07-17 19:30:43

Local clock offset: -2.986 ms

Remote clock offset: 0.351 ms

Below is generated by plot.py at 2019-07-17 19:42:24

Datalink statistics

-- Total of 1 flow:

Average throughput: 12.73 Mbit/s

95th percentile per-packet one-way delay: 1.943 ms

Loss rate: 65.09%

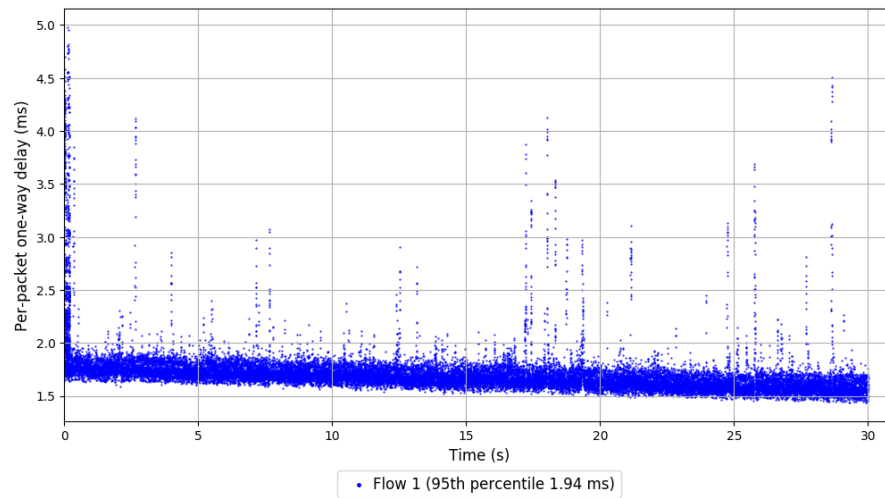
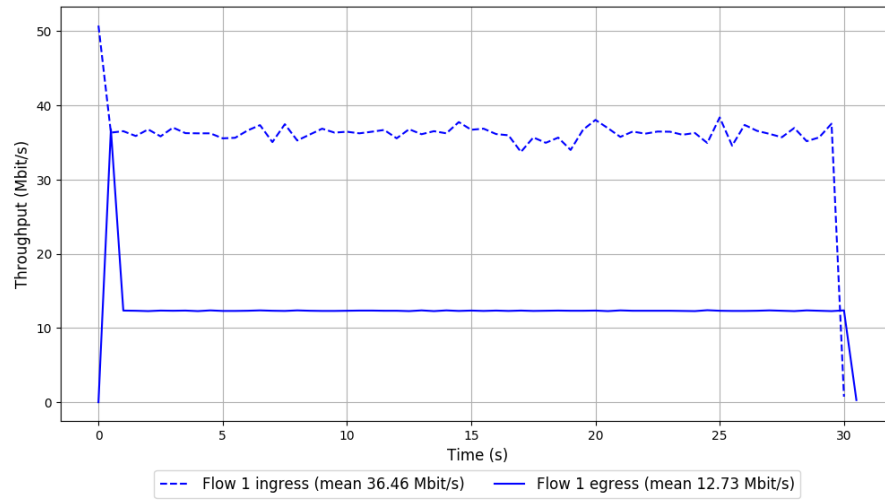
-- Flow 1:

Average throughput: 12.73 Mbit/s

95th percentile per-packet one-way delay: 1.943 ms

Loss rate: 65.09%

Run 5: Report of Copa — Data Link

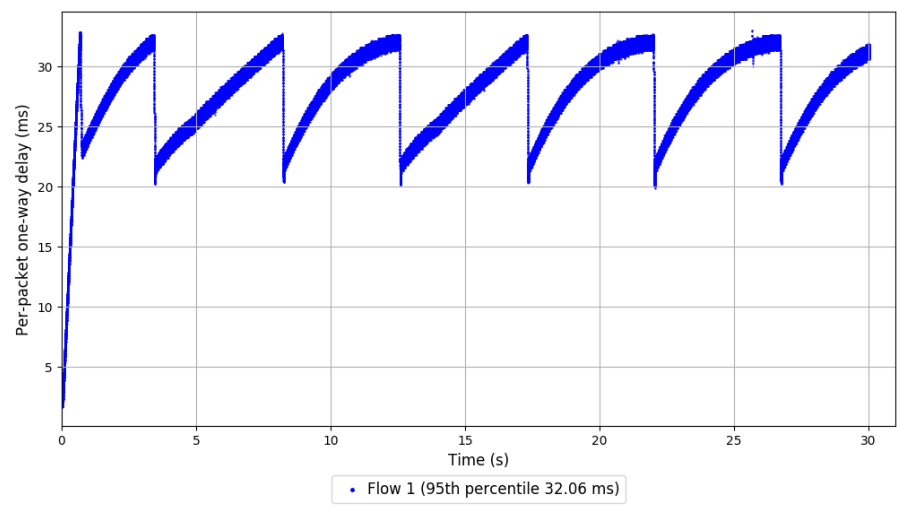
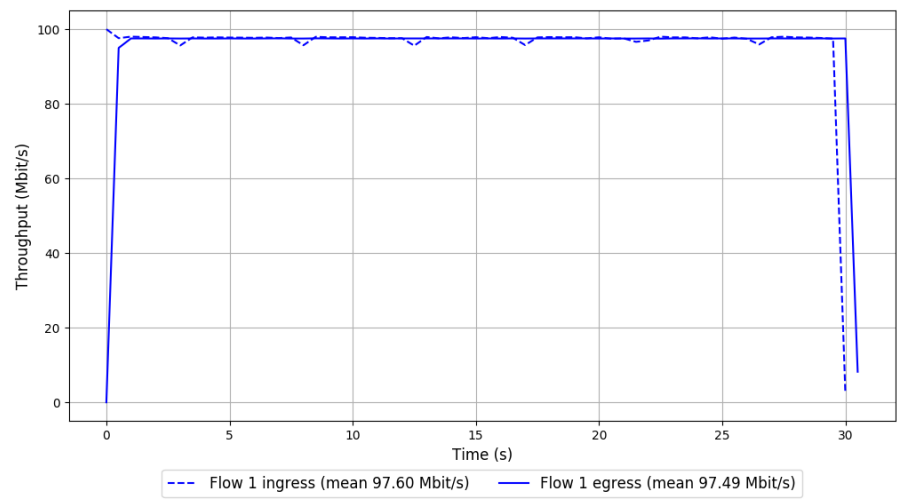


Run 1: Statistics of TCP Cubic

Start at: 2019-07-17 17:38:44
End at: 2019-07-17 17:39:14
Local clock offset: -4.201 ms
Remote clock offset: -0.117 ms

Below is generated by plot.py at 2019-07-17 19:42:41
Datalink statistics
-- Total of 1 flow:
Average throughput: 97.49 Mbit/s
95th percentile per-packet one-way delay: 32.058 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 97.49 Mbit/s
95th percentile per-packet one-way delay: 32.058 ms
Loss rate: 0.01%

Run 1: Report of TCP Cubic — Data Link



Run 2: Statistics of TCP Cubic

Start at: 2019-07-17 18:05:24

End at: 2019-07-17 18:05:54

Local clock offset: -5.139 ms

Remote clock offset: 0.081 ms

Below is generated by plot.py at 2019-07-17 19:42:51

Datalink statistics

-- Total of 1 flow:

Average throughput: 97.44 Mbit/s

95th percentile per-packet one-way delay: 32.081 ms

Loss rate: 0.01%

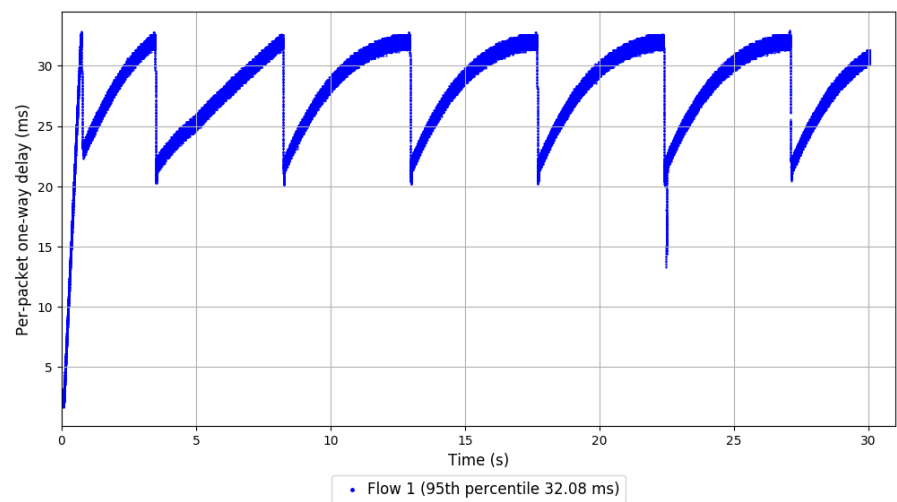
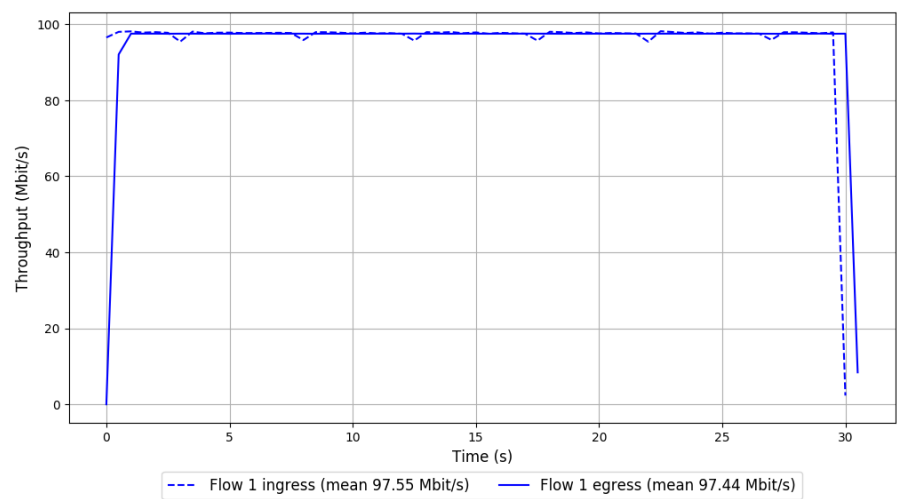
-- Flow 1:

Average throughput: 97.44 Mbit/s

95th percentile per-packet one-way delay: 32.081 ms

Loss rate: 0.01%

Run 2: Report of TCP Cubic — Data Link



Run 3: Statistics of TCP Cubic

Start at: 2019-07-17 18:32:03

End at: 2019-07-17 18:32:33

Local clock offset: -5.673 ms

Remote clock offset: 0.268 ms

Below is generated by plot.py at 2019-07-17 19:42:52

Datalink statistics

-- Total of 1 flow:

Average throughput: 97.49 Mbit/s

95th percentile per-packet one-way delay: 32.126 ms

Loss rate: 0.01%

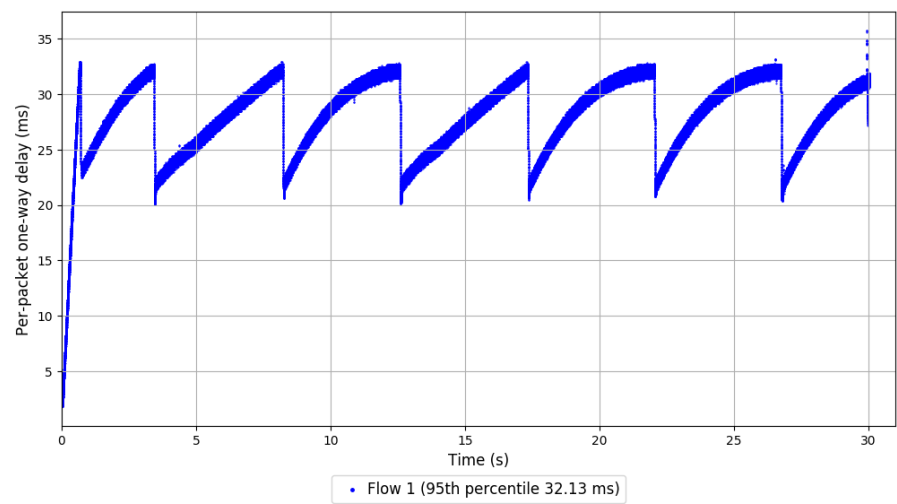
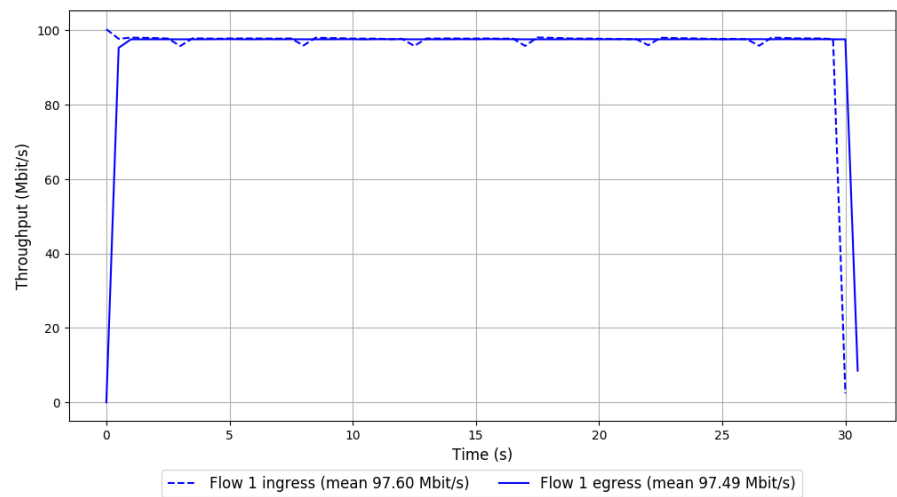
-- Flow 1:

Average throughput: 97.49 Mbit/s

95th percentile per-packet one-way delay: 32.126 ms

Loss rate: 0.01%

Run 3: Report of TCP Cubic — Data Link



Run 4: Statistics of TCP Cubic

Start at: 2019-07-17 18:58:43

End at: 2019-07-17 18:59:13

Local clock offset: -4.062 ms

Remote clock offset: 0.335 ms

Below is generated by plot.py at 2019-07-17 19:43:32

Datalink statistics

-- Total of 1 flow:

Average throughput: 97.49 Mbit/s

95th percentile per-packet one-way delay: 32.320 ms

Loss rate: 0.03%

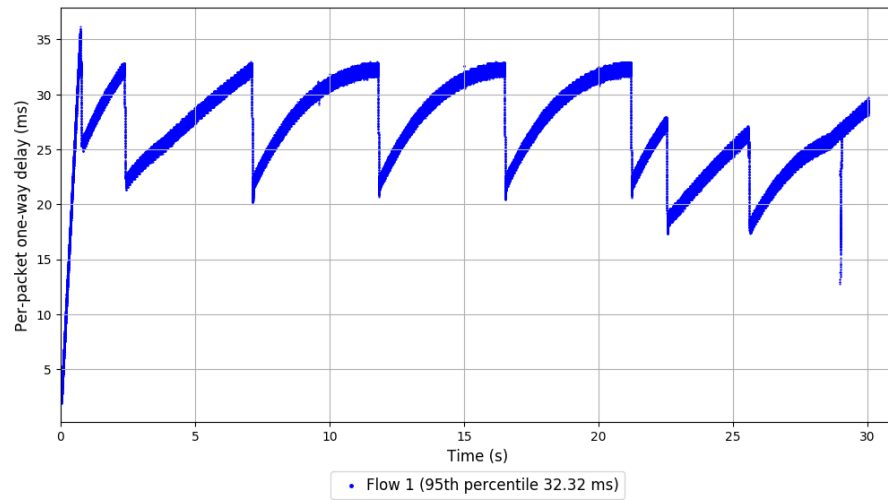
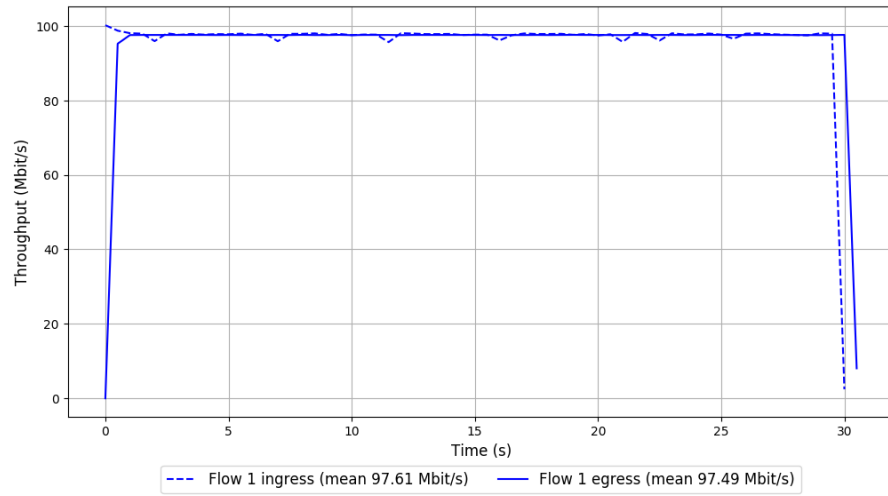
-- Flow 1:

Average throughput: 97.49 Mbit/s

95th percentile per-packet one-way delay: 32.320 ms

Loss rate: 0.03%

Run 4: Report of TCP Cubic — Data Link



Run 5: Statistics of TCP Cubic

Start at: 2019-07-17 19:25:35

End at: 2019-07-17 19:26:05

Local clock offset: -0.135 ms

Remote clock offset: 0.4 ms

Below is generated by plot.py at 2019-07-17 19:43:33

Datalink statistics

-- Total of 1 flow:

Average throughput: 97.48 Mbit/s

95th percentile per-packet one-way delay: 31.735 ms

Loss rate: 0.01%

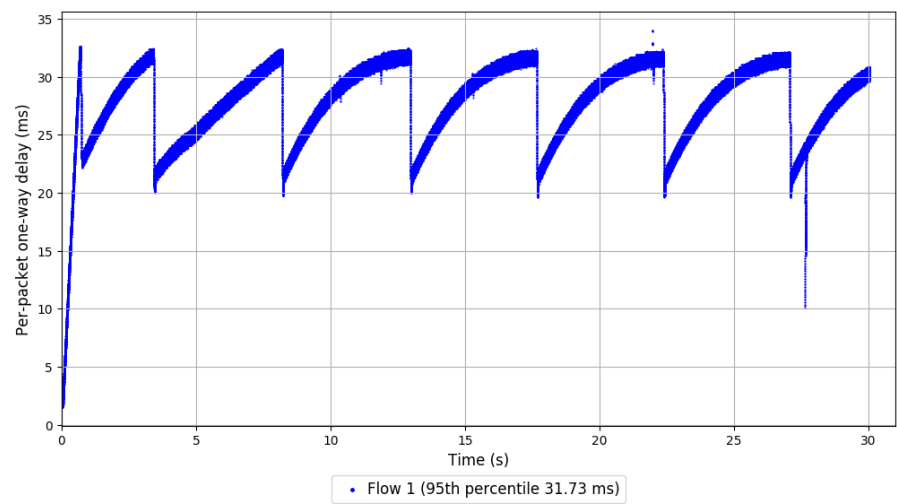
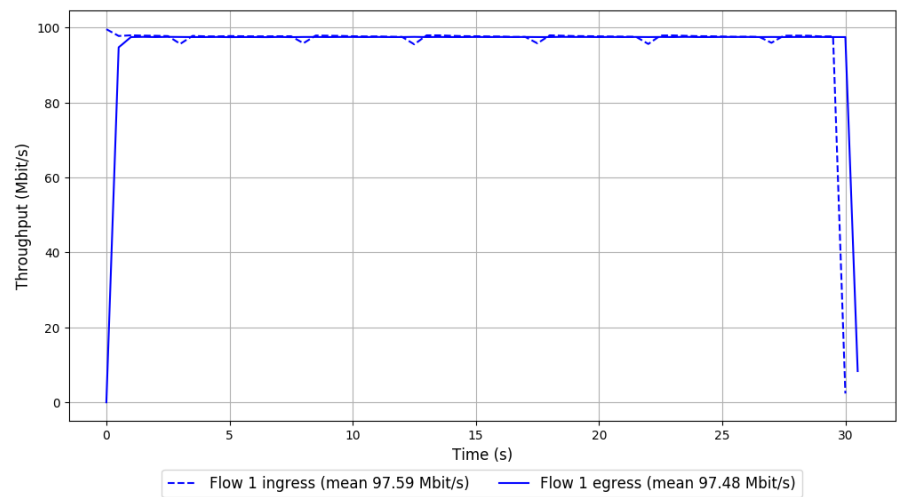
-- Flow 1:

Average throughput: 97.48 Mbit/s

95th percentile per-packet one-way delay: 31.735 ms

Loss rate: 0.01%

Run 5: Report of TCP Cubic — Data Link

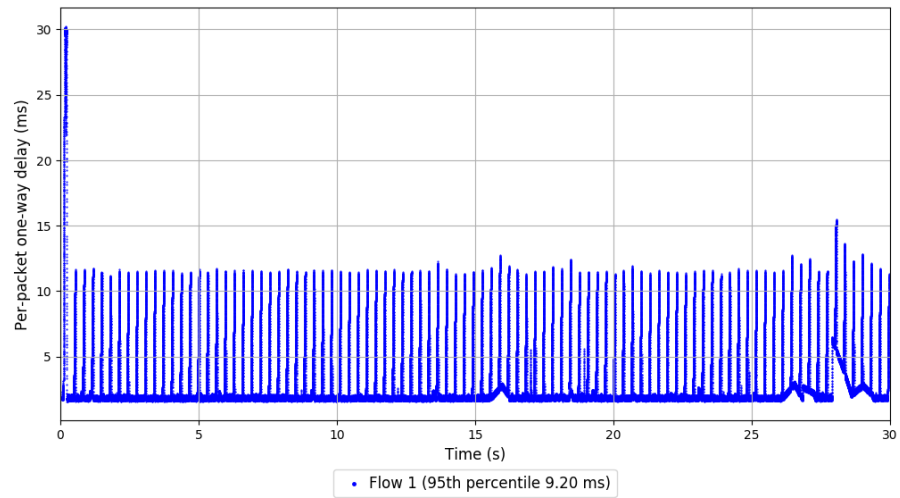
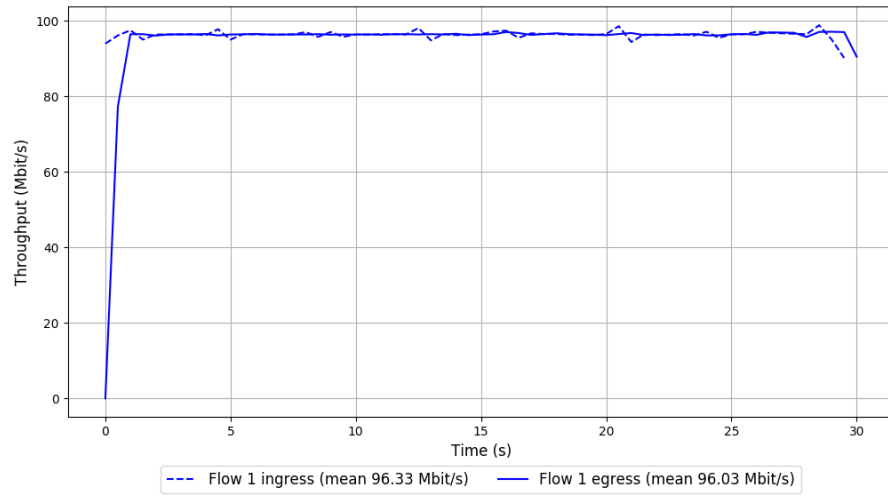


Run 1: Statistics of FillP

Start at: 2019-07-17 17:45:25
End at: 2019-07-17 17:45:55
Local clock offset: -4.225 ms
Remote clock offset: -0.066 ms

Below is generated by plot.py at 2019-07-17 19:43:47
Datalink statistics
-- Total of 1 flow:
Average throughput: 96.03 Mbit/s
95th percentile per-packet one-way delay: 9.201 ms
Loss rate: 0.28%
-- Flow 1:
Average throughput: 96.03 Mbit/s
95th percentile per-packet one-way delay: 9.201 ms
Loss rate: 0.28%

Run 1: Report of FillP — Data Link



Run 2: Statistics of FillP

Start at: 2019-07-17 18:12:05

End at: 2019-07-17 18:12:35

Local clock offset: -5.247 ms

Remote clock offset: 0.149 ms

Below is generated by plot.py at 2019-07-17 19:43:47

Datalink statistics

-- Total of 1 flow:

Average throughput: 96.04 Mbit/s

95th percentile per-packet one-way delay: 9.677 ms

Loss rate: 0.28%

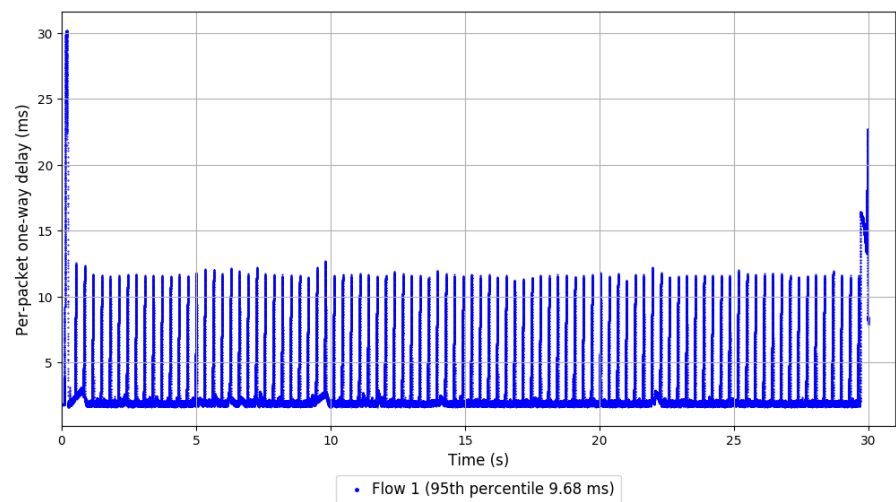
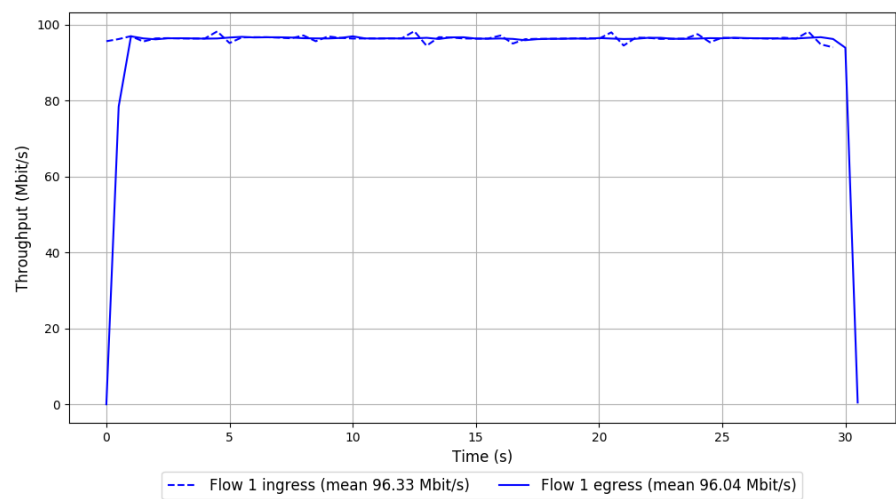
-- Flow 1:

Average throughput: 96.04 Mbit/s

95th percentile per-packet one-way delay: 9.677 ms

Loss rate: 0.28%

Run 2: Report of FillP — Data Link



Run 3: Statistics of FillP

Start at: 2019-07-17 18:38:45

End at: 2019-07-17 18:39:15

Local clock offset: -5.931 ms

Remote clock offset: 0.297 ms

Below is generated by plot.py at 2019-07-17 19:43:47

Datalink statistics

-- Total of 1 flow:

Average throughput: 96.08 Mbit/s

95th percentile per-packet one-way delay: 9.872 ms

Loss rate: 0.28%

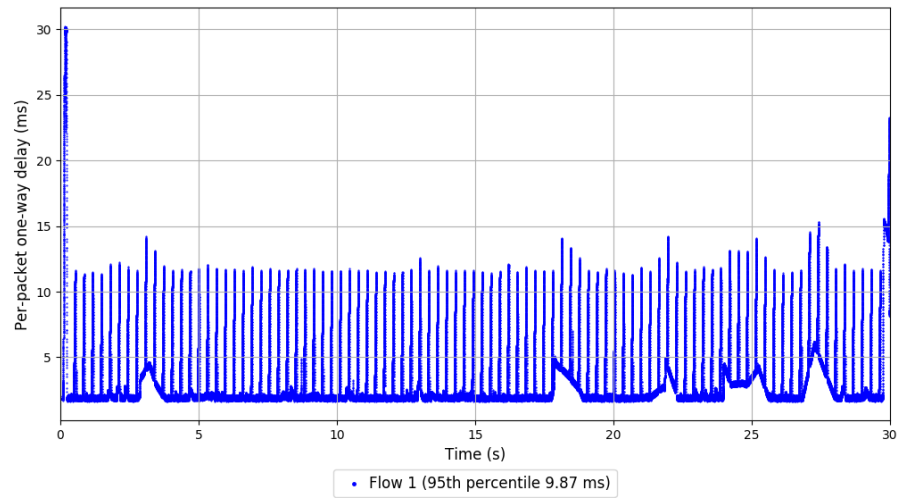
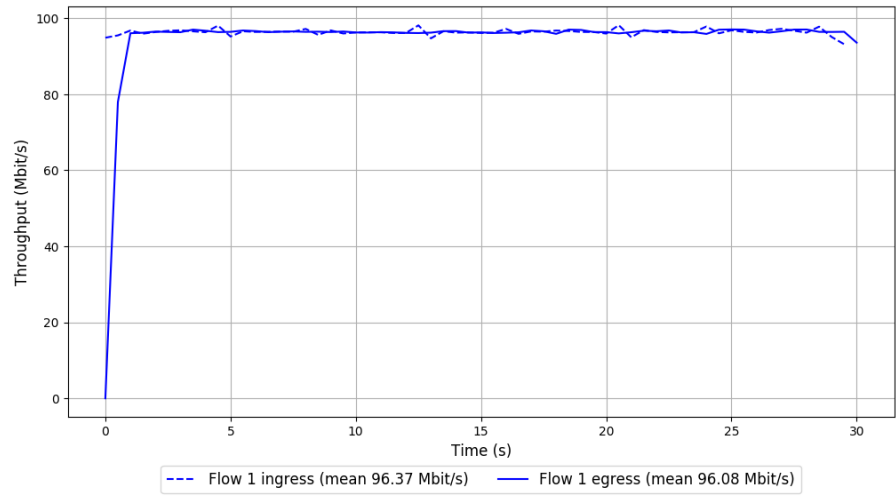
-- Flow 1:

Average throughput: 96.08 Mbit/s

95th percentile per-packet one-way delay: 9.872 ms

Loss rate: 0.28%

Run 3: Report of FillP — Data Link



Run 4: Statistics of FillP

Start at: 2019-07-17 19:05:25

End at: 2019-07-17 19:05:55

Local clock offset: -2.293 ms

Remote clock offset: 0.437 ms

Below is generated by plot.py at 2019-07-17 19:44:06

Datalink statistics

-- Total of 1 flow:

Average throughput: 96.10 Mbit/s

95th percentile per-packet one-way delay: 10.670 ms

Loss rate: 0.27%

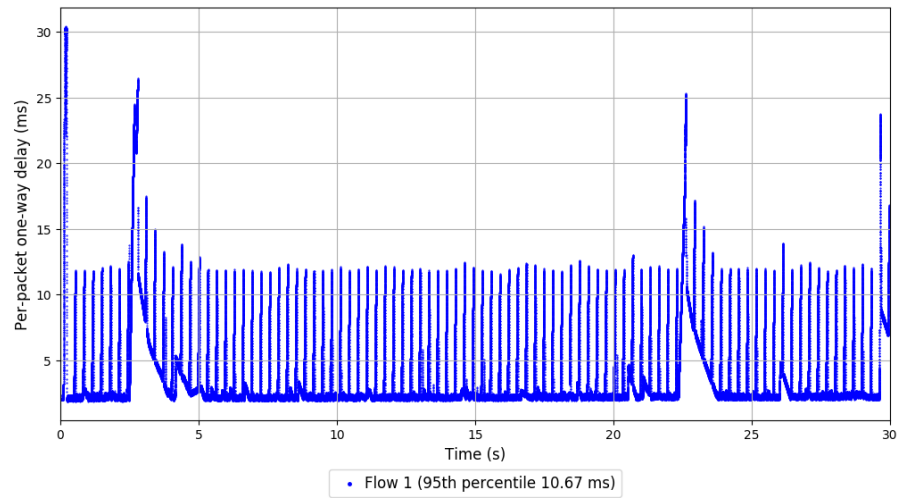
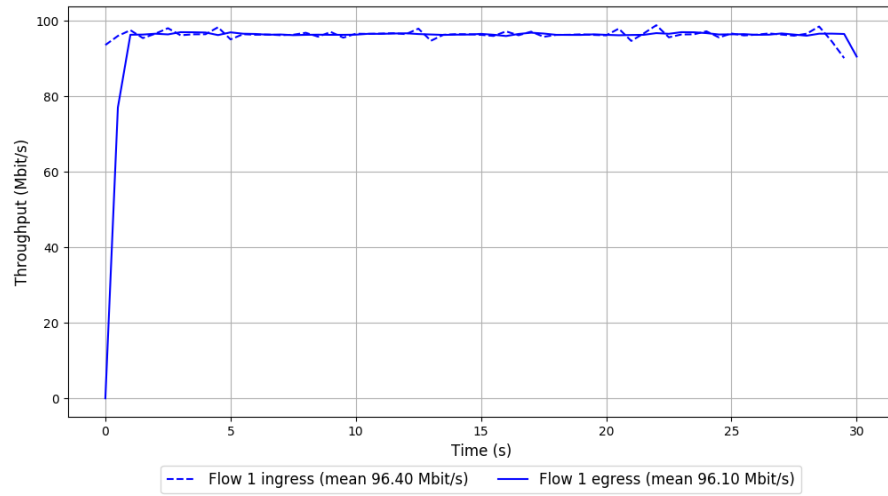
-- Flow 1:

Average throughput: 96.10 Mbit/s

95th percentile per-packet one-way delay: 10.670 ms

Loss rate: 0.27%

Run 4: Report of FillP — Data Link



Run 5: Statistics of FillP

Start at: 2019-07-17 19:32:32

End at: 2019-07-17 19:33:02

Local clock offset: -3.924 ms

Remote clock offset: 0.235 ms

Below is generated by plot.py at 2019-07-17 19:44:17

Datalink statistics

-- Total of 1 flow:

Average throughput: 96.21 Mbit/s

95th percentile per-packet one-way delay: 10.637 ms

Loss rate: 0.28%

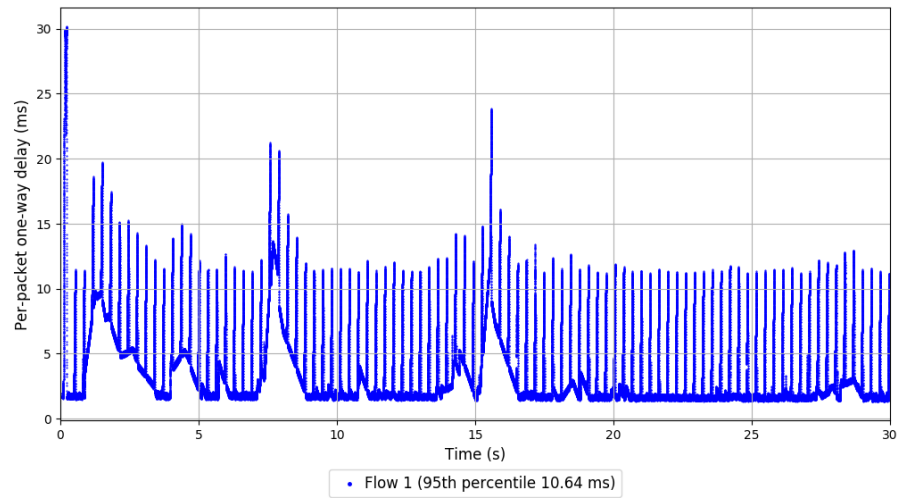
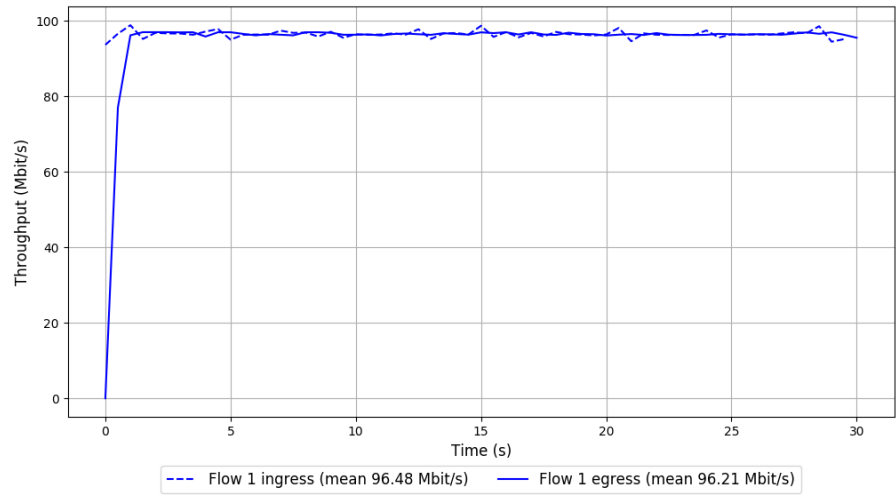
-- Flow 1:

Average throughput: 96.21 Mbit/s

95th percentile per-packet one-way delay: 10.637 ms

Loss rate: 0.28%

Run 5: Report of FillP — Data Link



Run 1: Statistics of FillP-Sheep

Start at: 2019-07-17 17:39:52

End at: 2019-07-17 17:40:22

Local clock offset: -4.246 ms

Remote clock offset: 0.05 ms

Below is generated by plot.py at 2019-07-17 19:44:17

Datalink statistics

-- Total of 1 flow:

Average throughput: 94.49 Mbit/s

95th percentile per-packet one-way delay: 5.900 ms

Loss rate: 0.08%

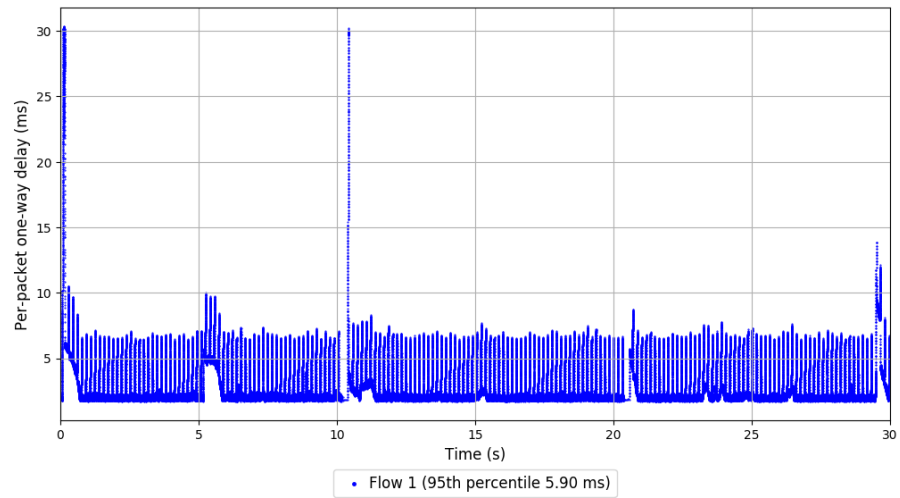
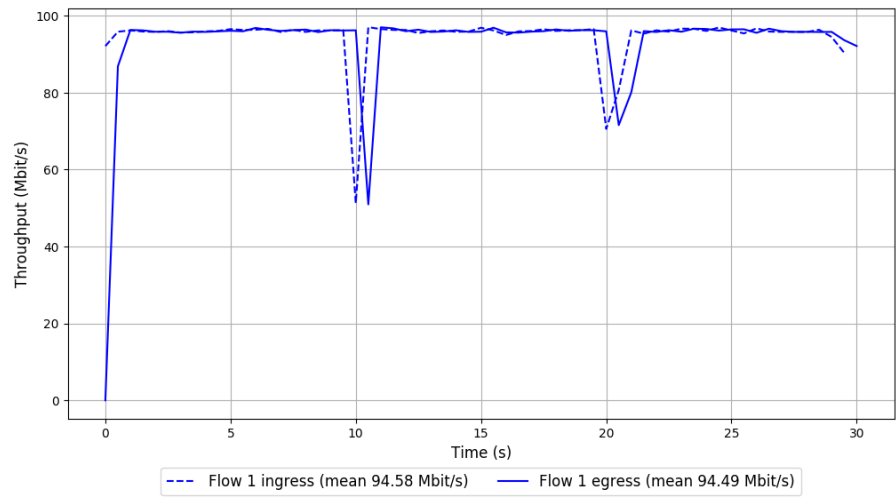
-- Flow 1:

Average throughput: 94.49 Mbit/s

95th percentile per-packet one-way delay: 5.900 ms

Loss rate: 0.08%

Run 1: Report of FillP-Sheep — Data Link



Run 2: Statistics of FillP-Sheep

Start at: 2019-07-17 18:06:32

End at: 2019-07-17 18:07:02

Local clock offset: -5.272 ms

Remote clock offset: 0.158 ms

Below is generated by plot.py at 2019-07-17 19:44:56

Datalink statistics

-- Total of 1 flow:

Average throughput: 94.13 Mbit/s

95th percentile per-packet one-way delay: 6.372 ms

Loss rate: 0.10%

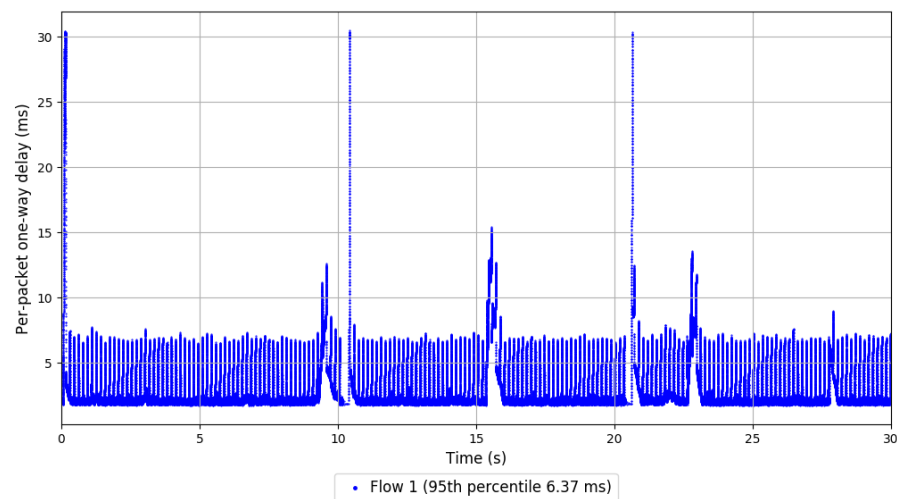
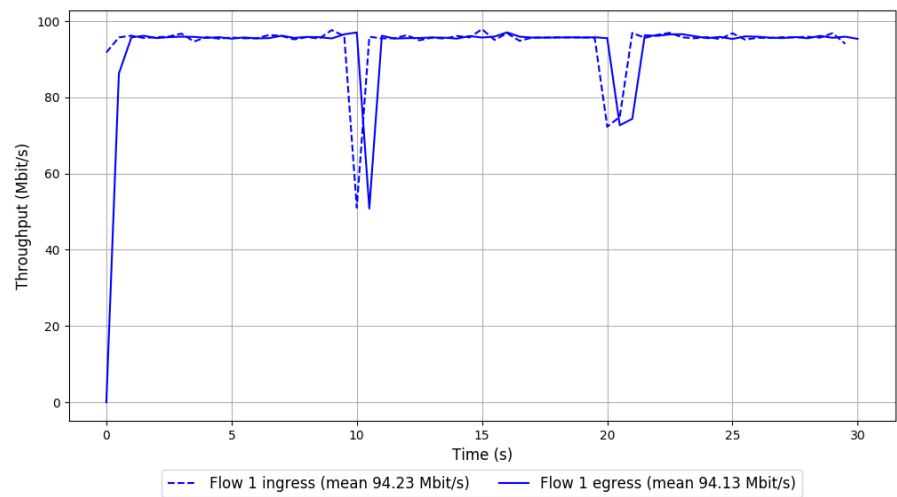
-- Flow 1:

Average throughput: 94.13 Mbit/s

95th percentile per-packet one-way delay: 6.372 ms

Loss rate: 0.10%

Run 2: Report of FillP-Sheep — Data Link



Run 3: Statistics of FillP-Sheep

Start at: 2019-07-17 18:33:12

End at: 2019-07-17 18:33:42

Local clock offset: -5.738 ms

Remote clock offset: 0.232 ms

Below is generated by plot.py at 2019-07-17 19:44:57

Datalink statistics

-- Total of 1 flow:

Average throughput: 94.62 Mbit/s

95th percentile per-packet one-way delay: 5.828 ms

Loss rate: 0.08%

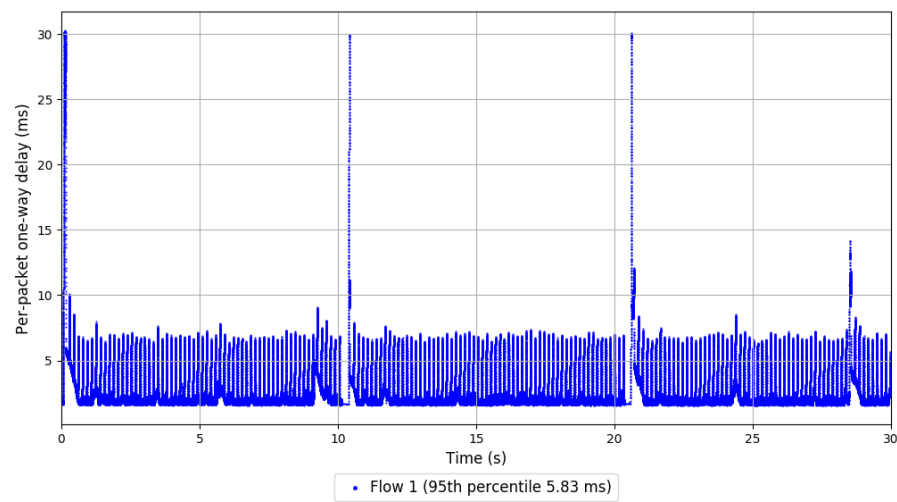
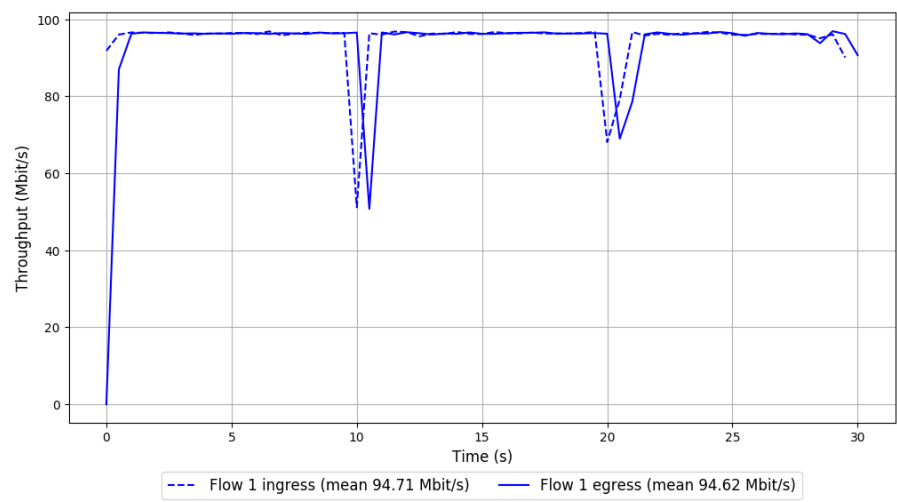
-- Flow 1:

Average throughput: 94.62 Mbit/s

95th percentile per-packet one-way delay: 5.828 ms

Loss rate: 0.08%

Run 3: Report of FillP-Sheep — Data Link



Run 4: Statistics of FillP-Sheep

Start at: 2019-07-17 18:59:51

End at: 2019-07-17 19:00:21

Local clock offset: -3.677 ms

Remote clock offset: 0.327 ms

Below is generated by plot.py at 2019-07-17 19:45:13

Datalink statistics

-- Total of 1 flow:

Average throughput: 94.27 Mbit/s

95th percentile per-packet one-way delay: 6.054 ms

Loss rate: 0.08%

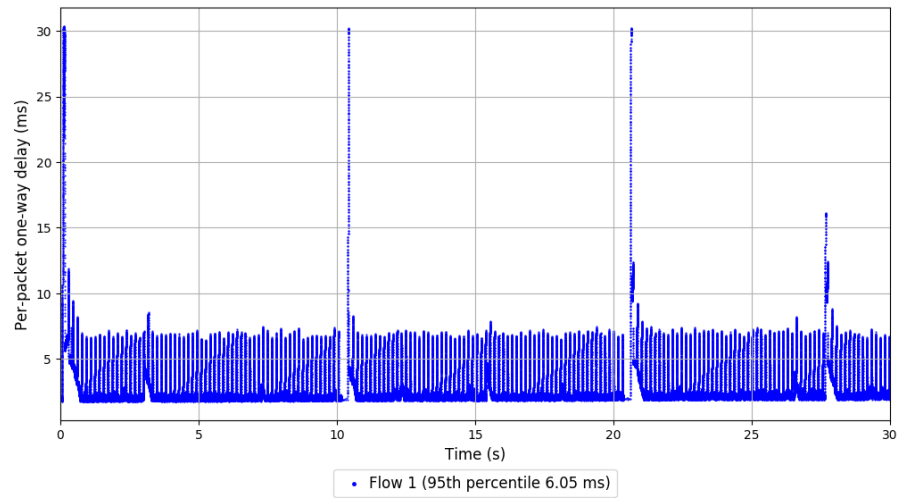
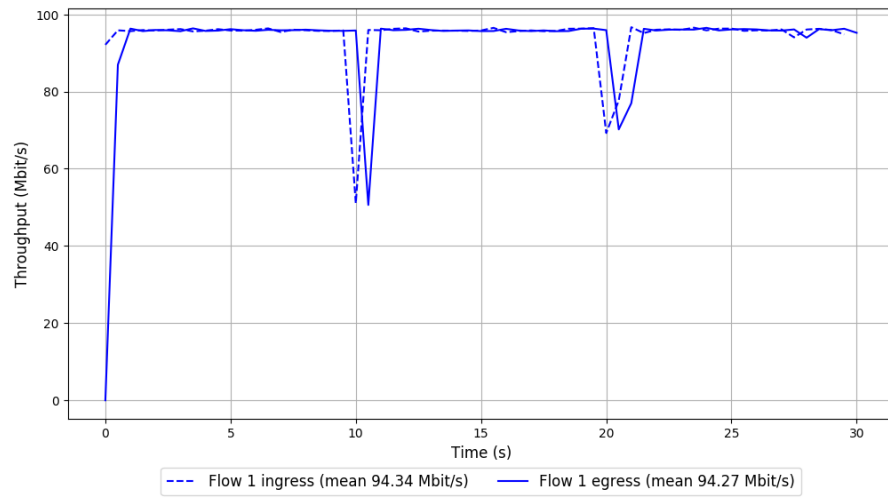
-- Flow 1:

Average throughput: 94.27 Mbit/s

95th percentile per-packet one-way delay: 6.054 ms

Loss rate: 0.08%

Run 4: Report of FillP-Sheep — Data Link



Run 5: Statistics of FillP-Sheep

Start at: 2019-07-17 19:26:44

End at: 2019-07-17 19:27:14

Local clock offset: -1.056 ms

Remote clock offset: 0.308 ms

Below is generated by plot.py at 2019-07-17 19:45:14

Datalink statistics

-- Total of 1 flow:

Average throughput: 94.79 Mbit/s

95th percentile per-packet one-way delay: 6.353 ms

Loss rate: 0.10%

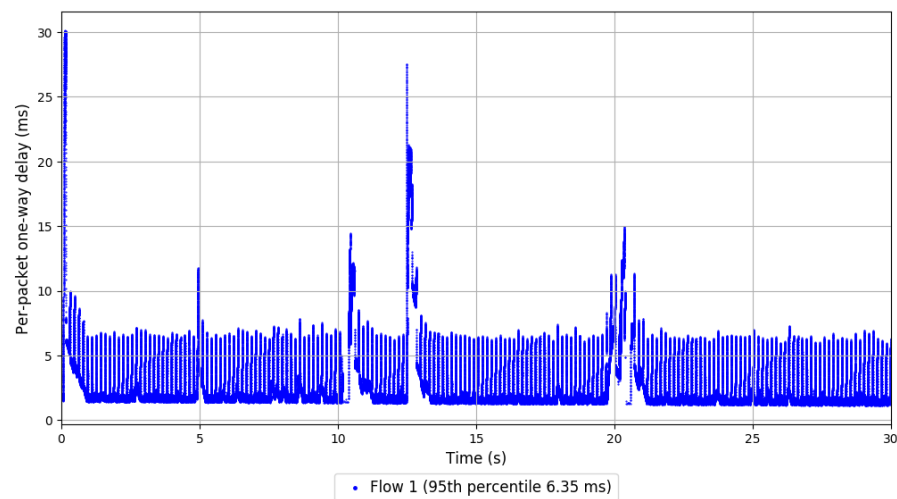
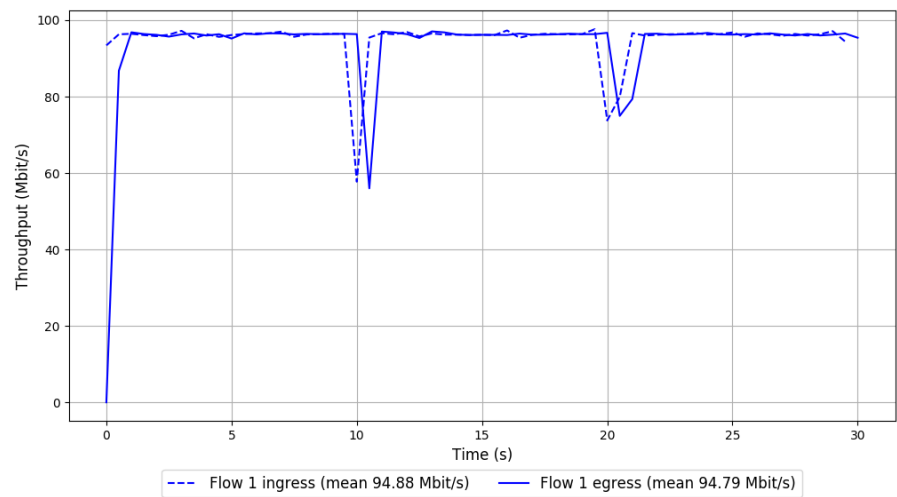
-- Flow 1:

Average throughput: 94.79 Mbit/s

95th percentile per-packet one-way delay: 6.353 ms

Loss rate: 0.10%

Run 5: Report of FillP-Sheep — Data Link



Run 1: Statistics of Indigo

Start at: 2019-07-17 17:29:53

End at: 2019-07-17 17:30:23

Local clock offset: -2.767 ms

Remote clock offset: -0.063 ms

Below is generated by plot.py at 2019-07-17 19:45:14

Datalink statistics

-- Total of 1 flow:

Average throughput: 97.18 Mbit/s

95th percentile per-packet one-way delay: 4.237 ms

Loss rate: 0.00%

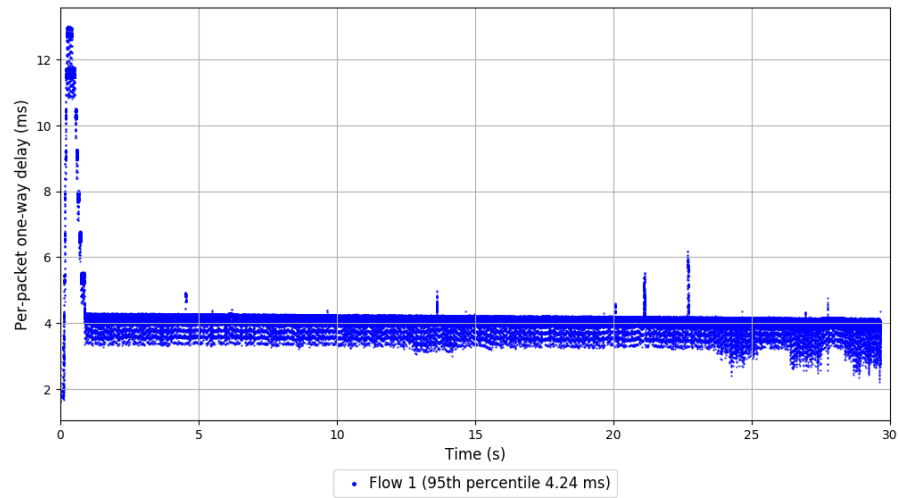
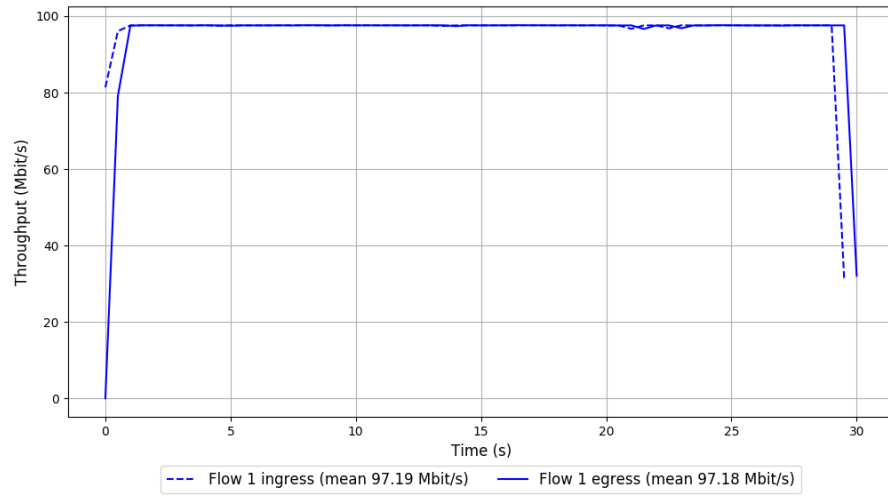
-- Flow 1:

Average throughput: 97.18 Mbit/s

95th percentile per-packet one-way delay: 4.237 ms

Loss rate: 0.00%

Run 1: Report of Indigo — Data Link



Run 2: Statistics of Indigo

Start at: 2019-07-17 17:56:33

End at: 2019-07-17 17:57:03

Local clock offset: -4.08 ms

Remote clock offset: 0.097 ms

Below is generated by plot.py at 2019-07-17 19:45:21

Datalink statistics

-- Total of 1 flow:

Average throughput: 97.34 Mbit/s

95th percentile per-packet one-way delay: 4.247 ms

Loss rate: 0.00%

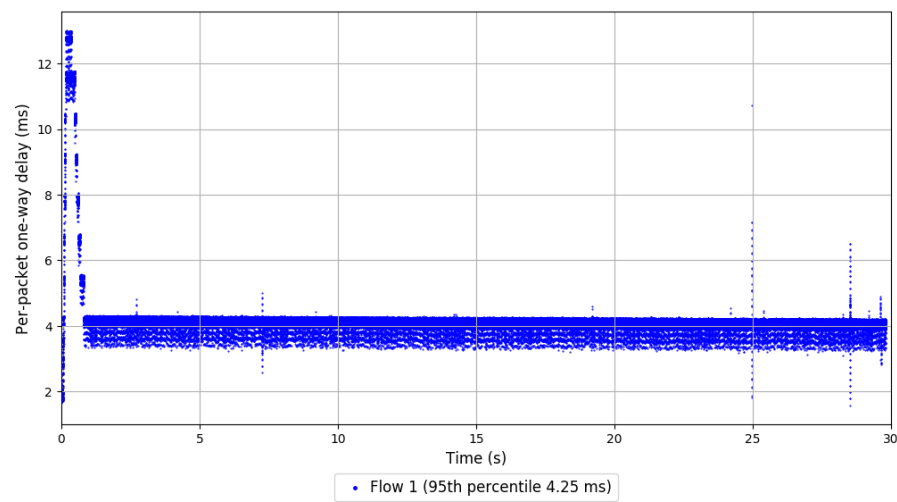
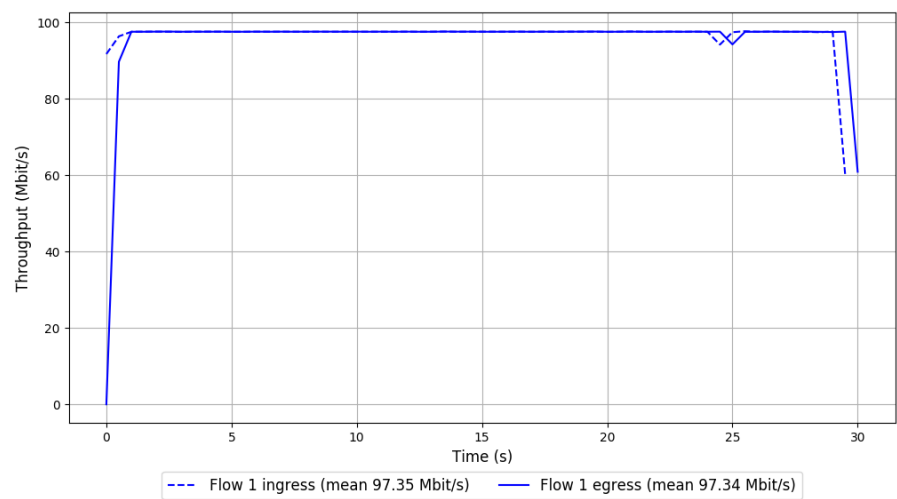
-- Flow 1:

Average throughput: 97.34 Mbit/s

95th percentile per-packet one-way delay: 4.247 ms

Loss rate: 0.00%

Run 2: Report of Indigo — Data Link



Run 3: Statistics of Indigo

Start at: 2019-07-17 18:23:12

End at: 2019-07-17 18:23:42

Local clock offset: -4.947 ms

Remote clock offset: 0.294 ms

Below is generated by plot.py at 2019-07-17 19:45:30

Datalink statistics

-- Total of 1 flow:

Average throughput: 97.37 Mbit/s

95th percentile per-packet one-way delay: 4.509 ms

Loss rate: 0.00%

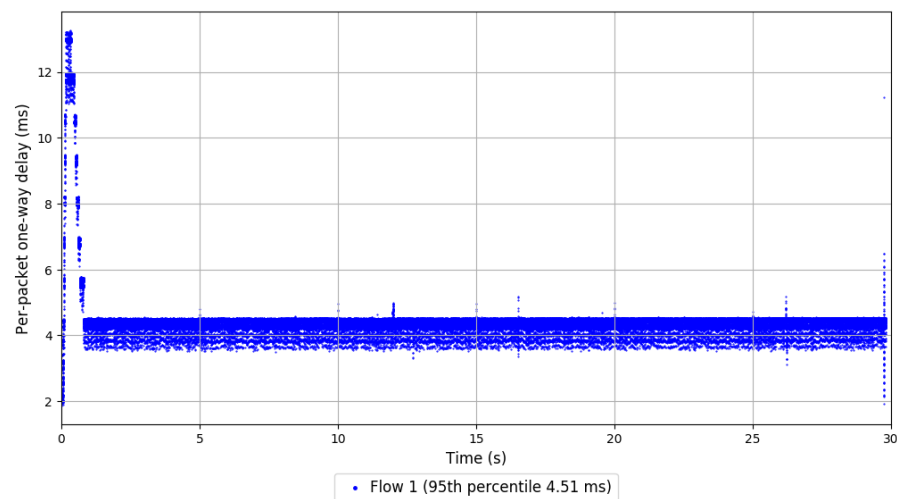
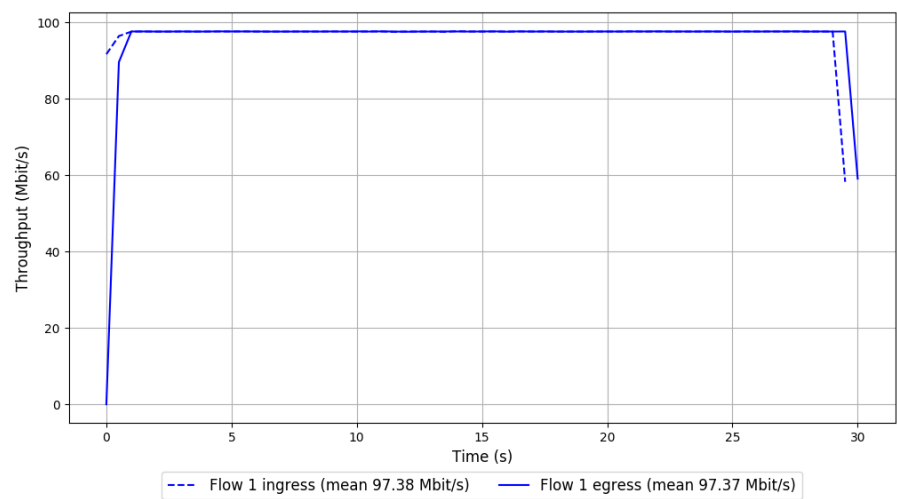
-- Flow 1:

Average throughput: 97.37 Mbit/s

95th percentile per-packet one-way delay: 4.509 ms

Loss rate: 0.00%

Run 3: Report of Indigo — Data Link



Run 4: Statistics of Indigo

Start at: 2019-07-17 18:49:52

End at: 2019-07-17 18:50:22

Local clock offset: -5.868 ms

Remote clock offset: 0.275 ms

Below is generated by plot.py at 2019-07-17 19:45:33

Datalink statistics

-- Total of 1 flow:

Average throughput: 97.36 Mbit/s

95th percentile per-packet one-way delay: 4.347 ms

Loss rate: 0.00%

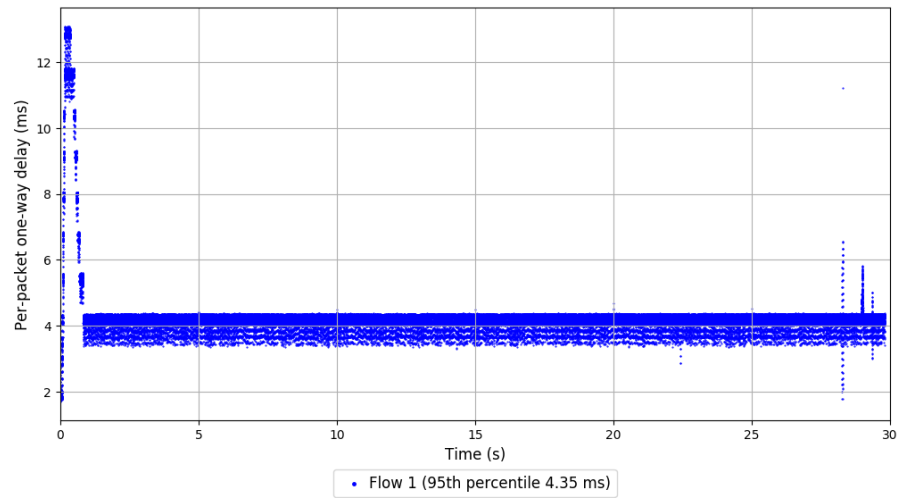
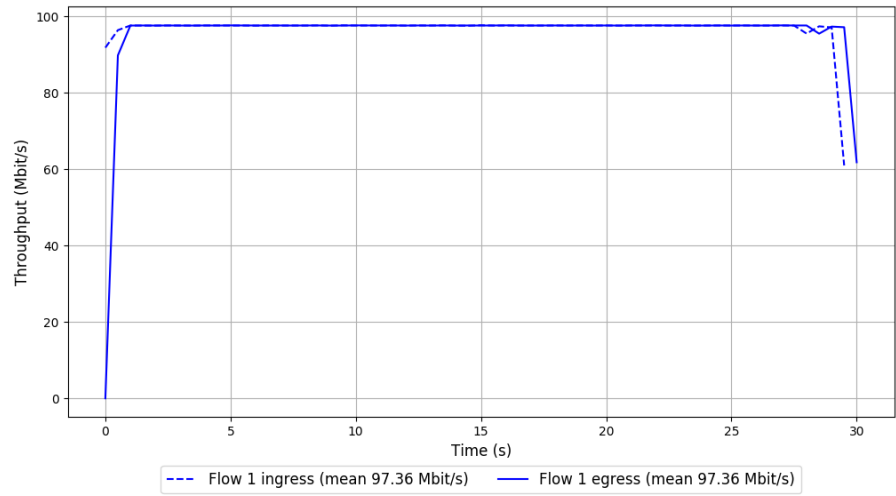
-- Flow 1:

Average throughput: 97.36 Mbit/s

95th percentile per-packet one-way delay: 4.347 ms

Loss rate: 0.00%

Run 4: Report of Indigo — Data Link



Run 5: Statistics of Indigo

Start at: 2019-07-17 19:16:32

End at: 2019-07-17 19:17:02

Local clock offset: -0.5 ms

Remote clock offset: 0.396 ms

Below is generated by plot.py at 2019-07-17 19:46:13

Datalink statistics

-- Total of 1 flow:

Average throughput: 97.30 Mbit/s

95th percentile per-packet one-way delay: 4.482 ms

Loss rate: 0.00%

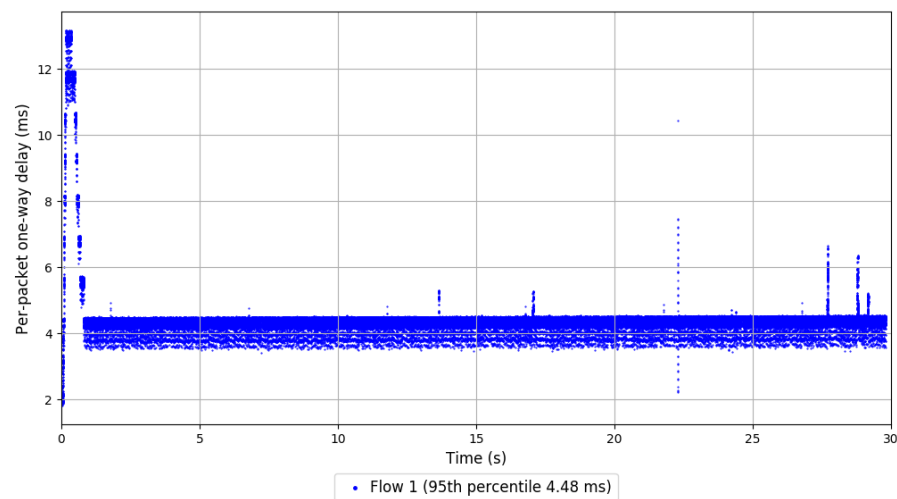
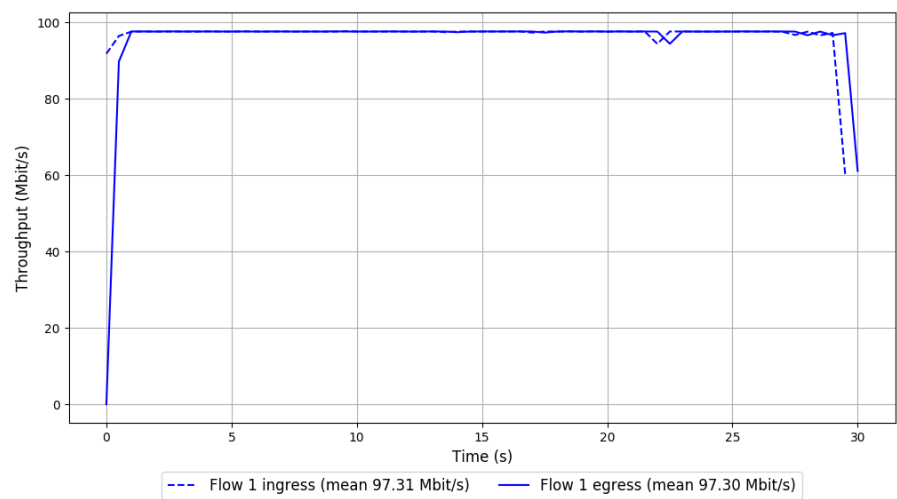
-- Flow 1:

Average throughput: 97.30 Mbit/s

95th percentile per-packet one-way delay: 4.482 ms

Loss rate: 0.00%

Run 5: Report of Indigo — Data Link



Run 1: Statistics of Indigo-MusesC3

Start at: 2019-07-17 17:41:00

End at: 2019-07-17 17:41:30

Local clock offset: -4.345 ms

Remote clock offset: 0.027 ms

Below is generated by plot.py at 2019-07-17 19:46:13

Datalink statistics

-- Total of 1 flow:

Average throughput: 96.04 Mbit/s

95th percentile per-packet one-way delay: 4.027 ms

Loss rate: 0.00%

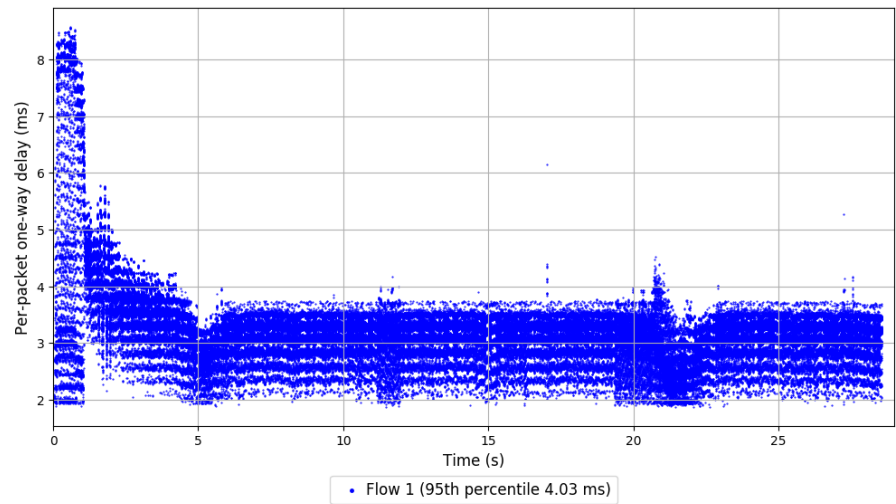
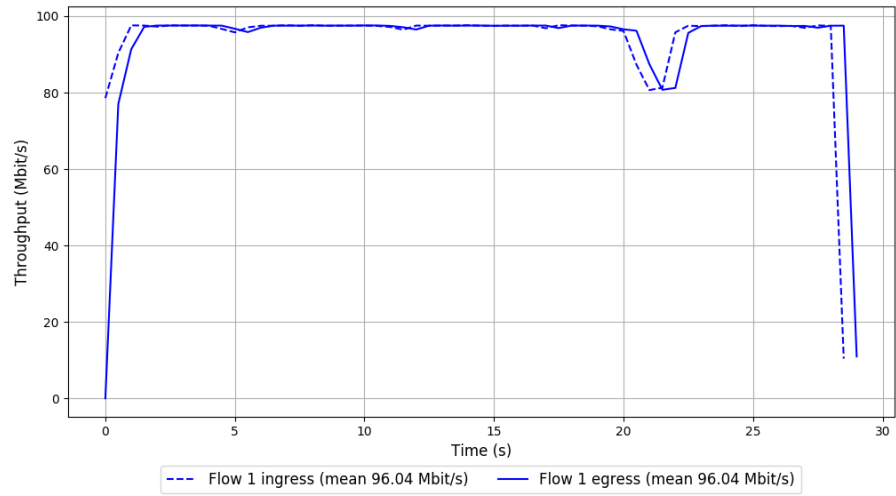
-- Flow 1:

Average throughput: 96.04 Mbit/s

95th percentile per-packet one-way delay: 4.027 ms

Loss rate: 0.00%

Run 1: Report of Indigo-MusesC3 — Data Link



Run 2: Statistics of Indigo-MusesC3

Start at: 2019-07-17 18:07:39

End at: 2019-07-17 18:08:09

Local clock offset: -5.298 ms

Remote clock offset: 0.223 ms

Below is generated by plot.py at 2019-07-17 19:46:17

Datalink statistics

-- Total of 1 flow:

Average throughput: 96.96 Mbit/s

95th percentile per-packet one-way delay: 4.037 ms

Loss rate: 0.00%

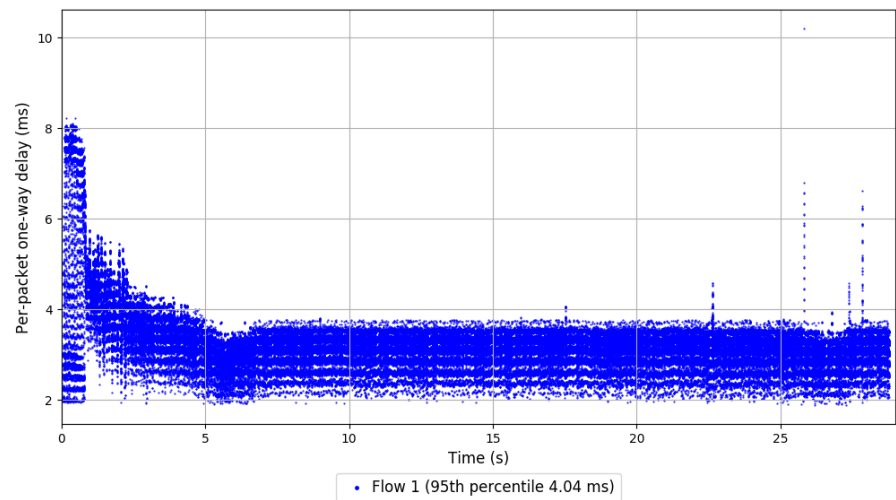
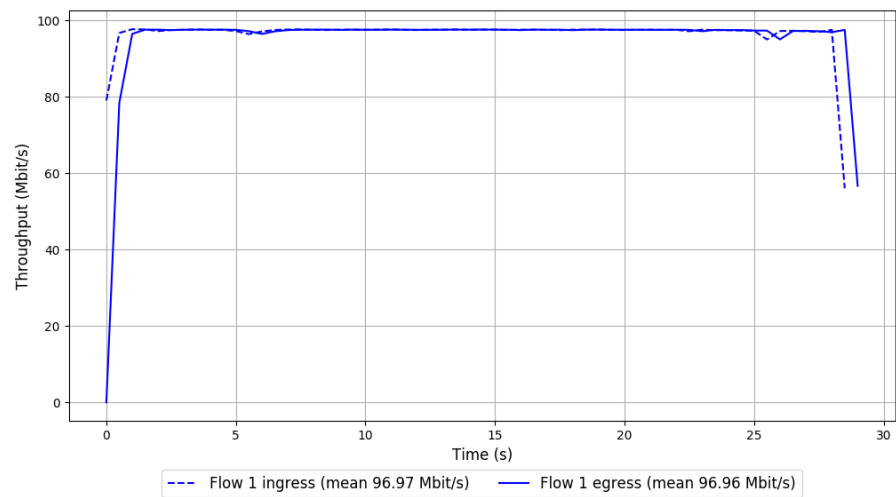
-- Flow 1:

Average throughput: 96.96 Mbit/s

95th percentile per-packet one-way delay: 4.037 ms

Loss rate: 0.00%

Run 2: Report of Indigo-MusesC3 — Data Link

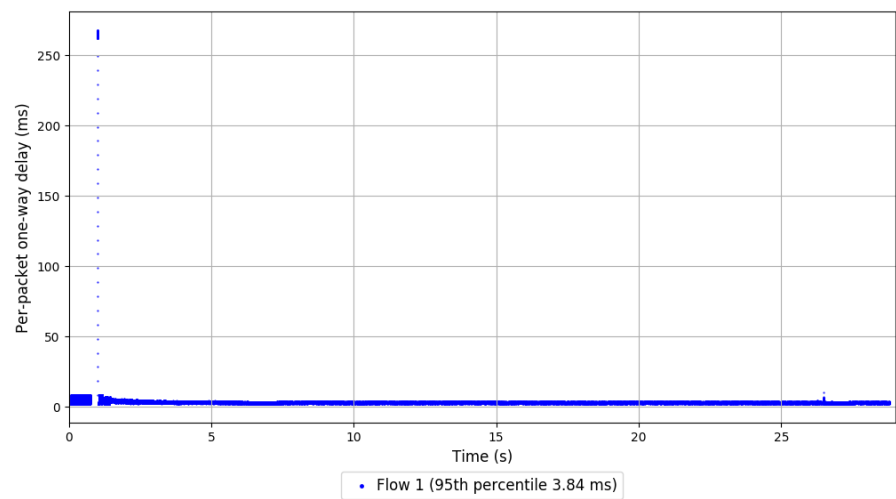
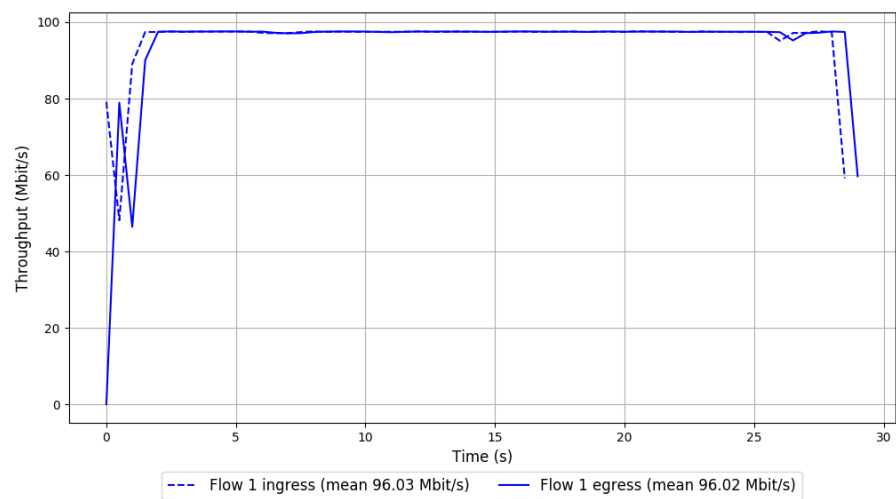


Run 3: Statistics of Indigo-MusesC3

Start at: 2019-07-17 18:34:19
End at: 2019-07-17 18:34:49
Local clock offset: -5.793 ms
Remote clock offset: 0.273 ms

Below is generated by plot.py at 2019-07-17 19:46:26
Datalink statistics
-- Total of 1 flow:
Average throughput: 96.02 Mbit/s
95th percentile per-packet one-way delay: 3.837 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 96.02 Mbit/s
95th percentile per-packet one-way delay: 3.837 ms
Loss rate: 0.00%

Run 3: Report of Indigo-MusesC3 — Data Link



Run 4: Statistics of Indigo-MusesC3

Start at: 2019-07-17 19:00:59

End at: 2019-07-17 19:01:29

Local clock offset: -3.337 ms

Remote clock offset: 0.35 ms

Below is generated by plot.py at 2019-07-17 19:46:27

Datalink statistics

-- Total of 1 flow:

Average throughput: 96.65 Mbit/s

95th percentile per-packet one-way delay: 3.799 ms

Loss rate: 0.00%

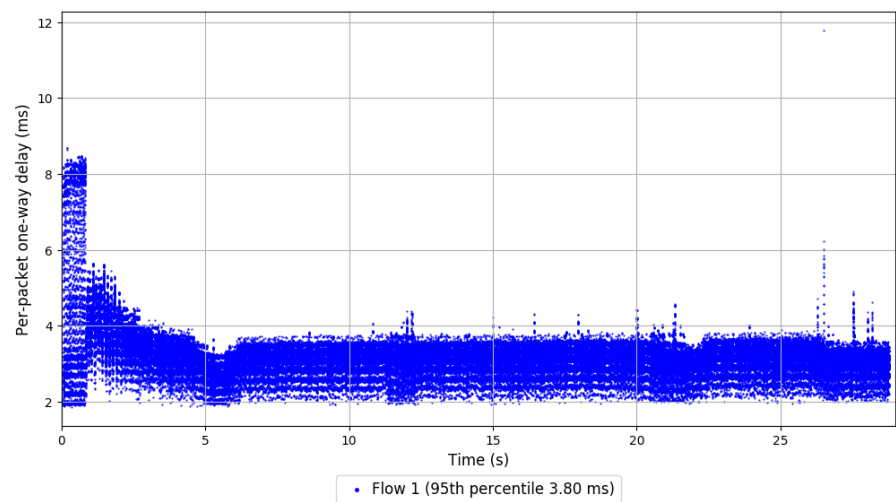
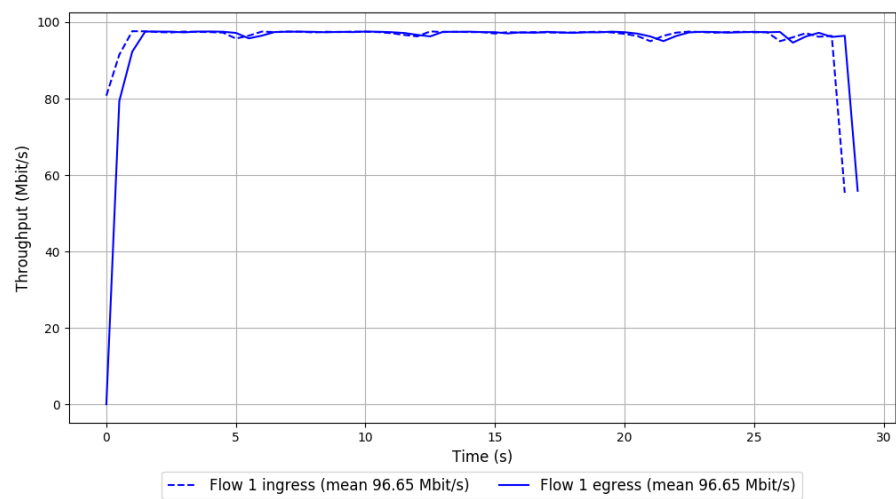
-- Flow 1:

Average throughput: 96.65 Mbit/s

95th percentile per-packet one-way delay: 3.799 ms

Loss rate: 0.00%

Run 4: Report of Indigo-MusesC3 — Data Link



Run 5: Statistics of Indigo-MusesC3

Start at: 2019-07-17 19:27:51

End at: 2019-07-17 19:28:21

Local clock offset: -1.677 ms

Remote clock offset: 0.318 ms

Below is generated by plot.py at 2019-07-17 19:46:36

Datalink statistics

-- Total of 1 flow:

Average throughput: 96.53 Mbit/s

95th percentile per-packet one-way delay: 3.357 ms

Loss rate: 0.00%

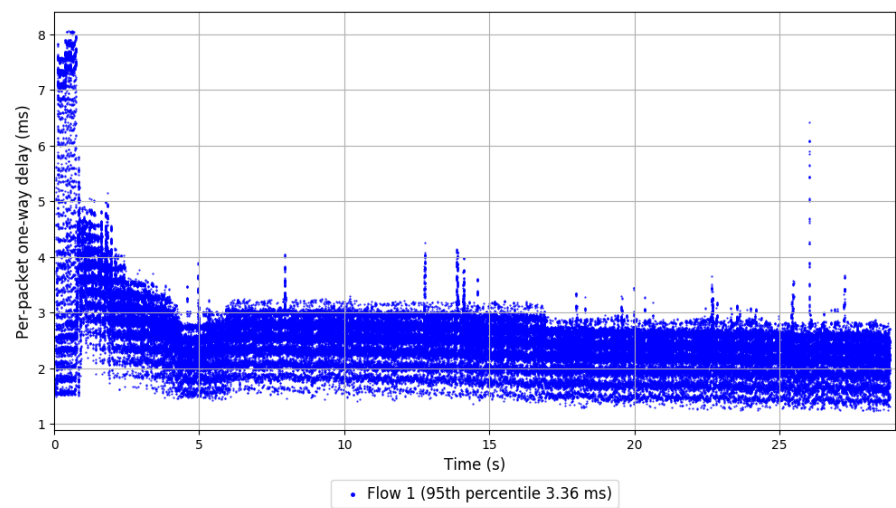
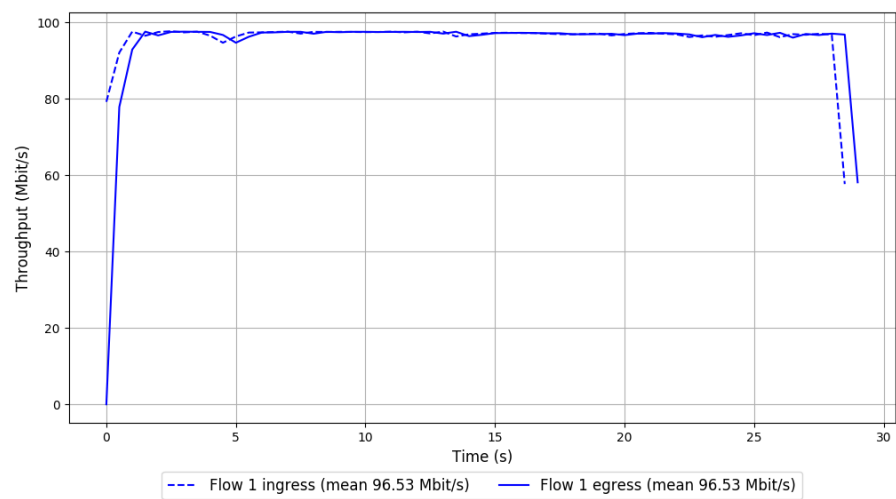
-- Flow 1:

Average throughput: 96.53 Mbit/s

95th percentile per-packet one-way delay: 3.357 ms

Loss rate: 0.00%

Run 5: Report of Indigo-MusesC3 — Data Link

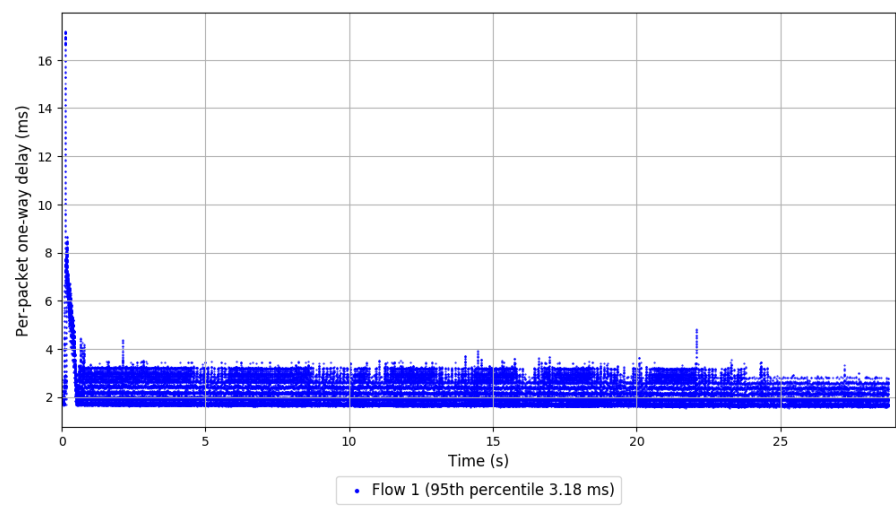
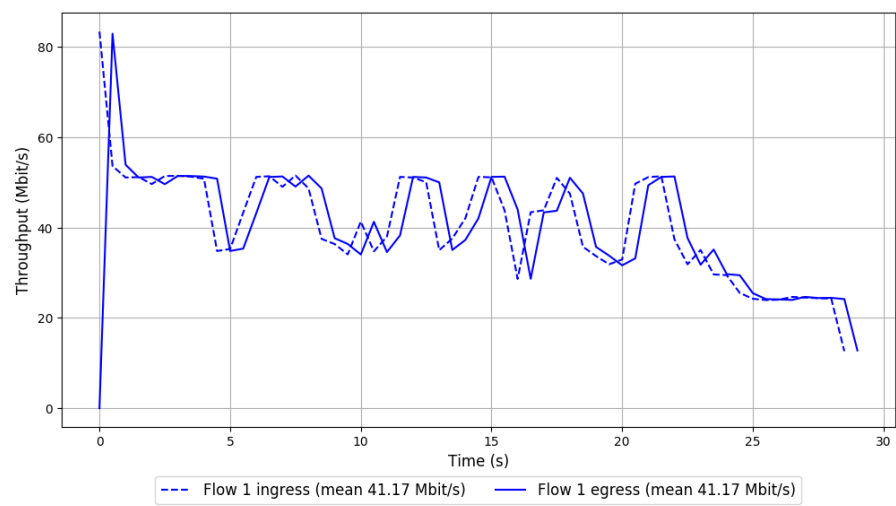


Run 1: Statistics of Indigo-MusesC5

Start at: 2019-07-17 17:34:18
End at: 2019-07-17 17:34:48
Local clock offset: -3.756 ms
Remote clock offset: -0.138 ms

Below is generated by plot.py at 2019-07-17 19:46:36
Datalink statistics
-- Total of 1 flow:
Average throughput: 41.17 Mbit/s
95th percentile per-packet one-way delay: 3.176 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 41.17 Mbit/s
95th percentile per-packet one-way delay: 3.176 ms
Loss rate: 0.00%

Run 1: Report of Indigo-MusesC5 — Data Link



Run 2: Statistics of Indigo-MusesC5

Start at: 2019-07-17 18:00:57

End at: 2019-07-17 18:01:27

Local clock offset: -4.817 ms

Remote clock offset: 0.201 ms

Below is generated by plot.py at 2019-07-17 19:46:36

Datalink statistics

-- Total of 1 flow:

Average throughput: 36.92 Mbit/s

95th percentile per-packet one-way delay: 3.372 ms

Loss rate: 0.00%

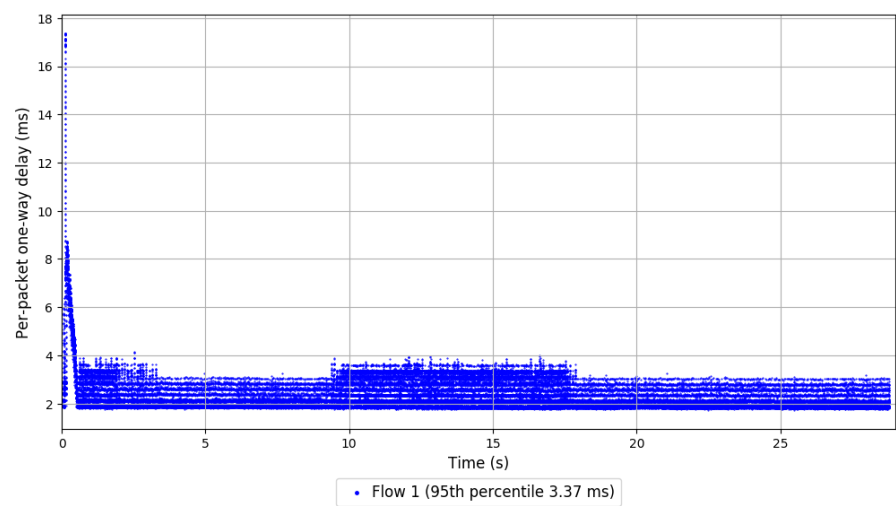
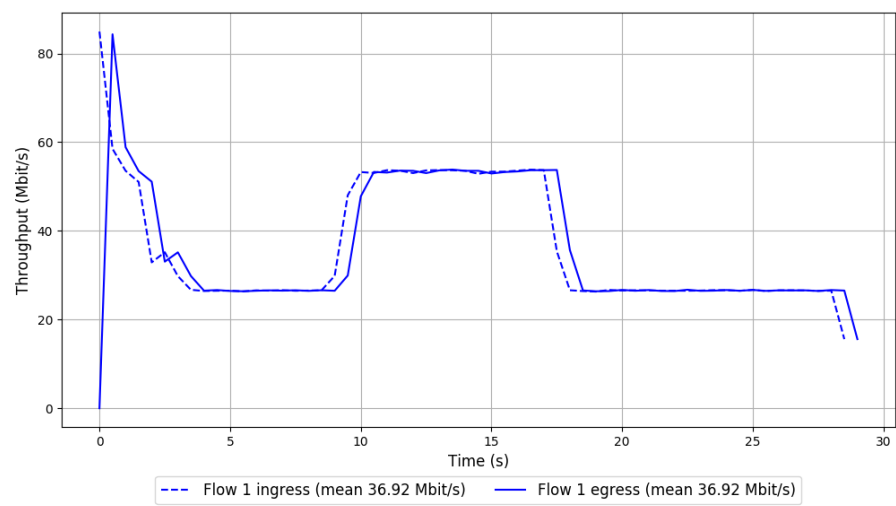
-- Flow 1:

Average throughput: 36.92 Mbit/s

95th percentile per-packet one-way delay: 3.372 ms

Loss rate: 0.00%

Run 2: Report of Indigo-MusesC5 — Data Link



Run 3: Statistics of Indigo-MusesC5

Start at: 2019-07-17 18:27:37

End at: 2019-07-17 18:28:07

Local clock offset: -5.336 ms

Remote clock offset: 0.295 ms

Below is generated by plot.py at 2019-07-17 19:46:43

Datalink statistics

-- Total of 1 flow:

Average throughput: 50.48 Mbit/s

95th percentile per-packet one-way delay: 3.386 ms

Loss rate: 0.00%

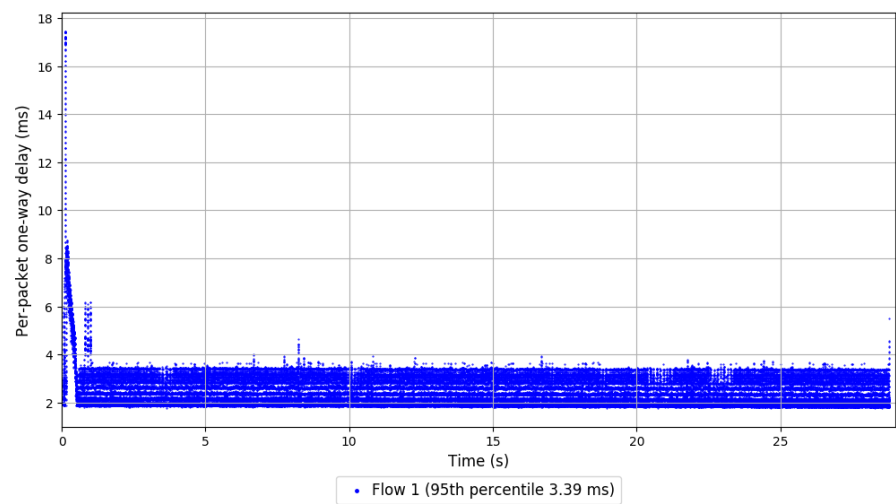
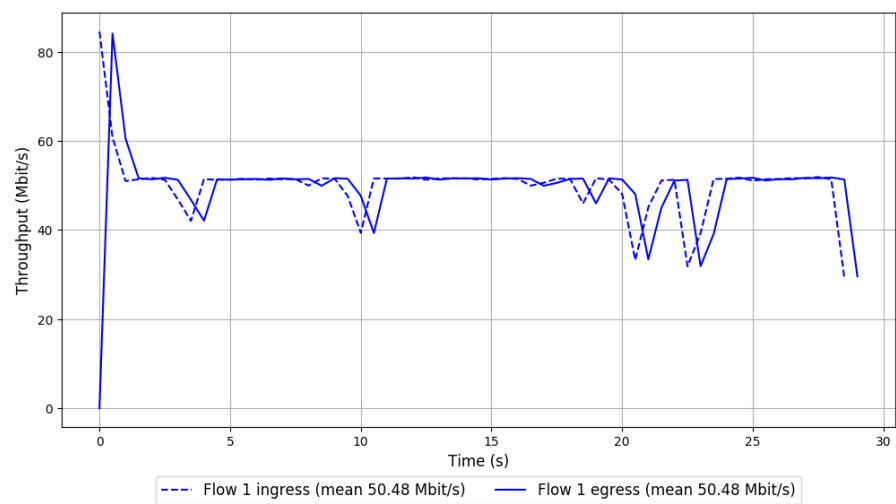
-- Flow 1:

Average throughput: 50.48 Mbit/s

95th percentile per-packet one-way delay: 3.386 ms

Loss rate: 0.00%

Run 3: Report of Indigo-MusesC5 — Data Link



Run 4: Statistics of Indigo-MusesC5

Start at: 2019-07-17 18:54:17

End at: 2019-07-17 18:54:47

Local clock offset: -5.784 ms

Remote clock offset: 0.416 ms

Below is generated by plot.py at 2019-07-17 19:46:43

Datalink statistics

-- Total of 1 flow:

Average throughput: 43.33 Mbit/s

95th percentile per-packet one-way delay: 3.459 ms

Loss rate: 0.01%

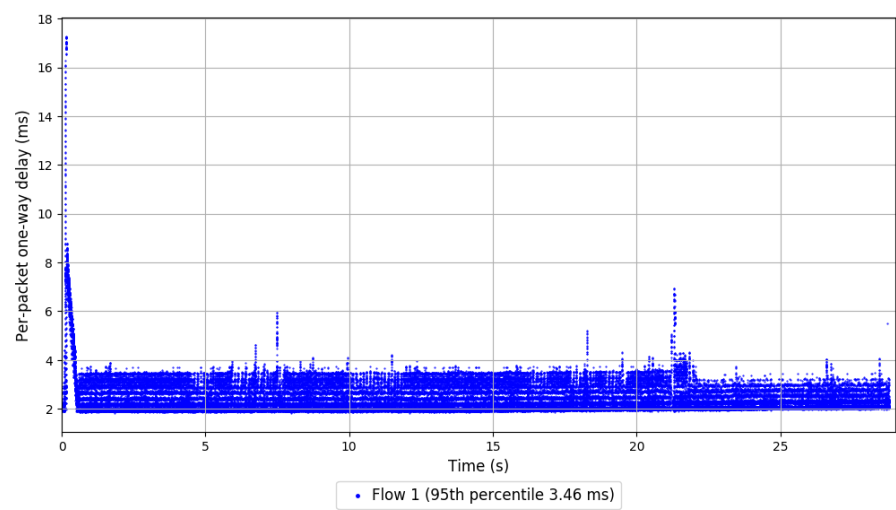
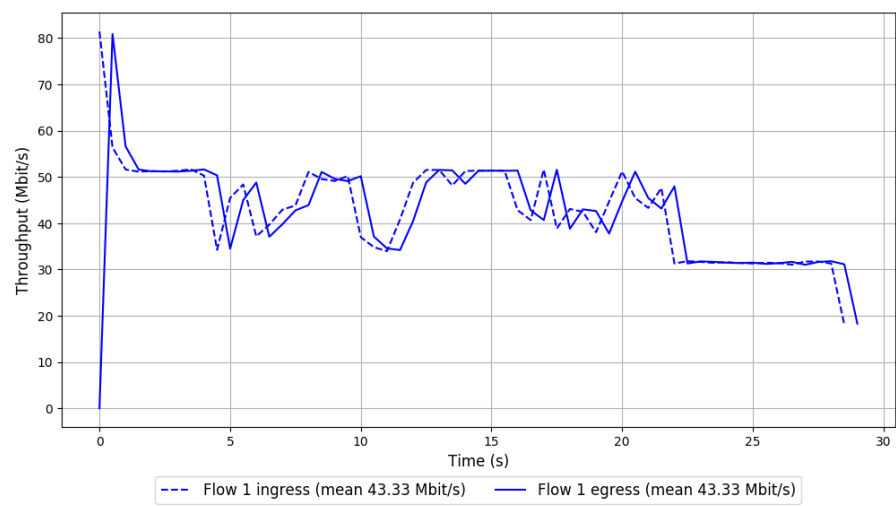
-- Flow 1:

Average throughput: 43.33 Mbit/s

95th percentile per-packet one-way delay: 3.459 ms

Loss rate: 0.01%

Run 4: Report of Indigo-MusesC5 — Data Link



Run 5: Statistics of Indigo-MusesC5

Start at: 2019-07-17 19:21:10

End at: 2019-07-17 19:21:40

Local clock offset: -0.023 ms

Remote clock offset: 0.378 ms

Below is generated by plot.py at 2019-07-17 19:46:43

Datalink statistics

-- Total of 1 flow:

Average throughput: 39.37 Mbit/s

95th percentile per-packet one-way delay: 3.455 ms

Loss rate: 0.00%

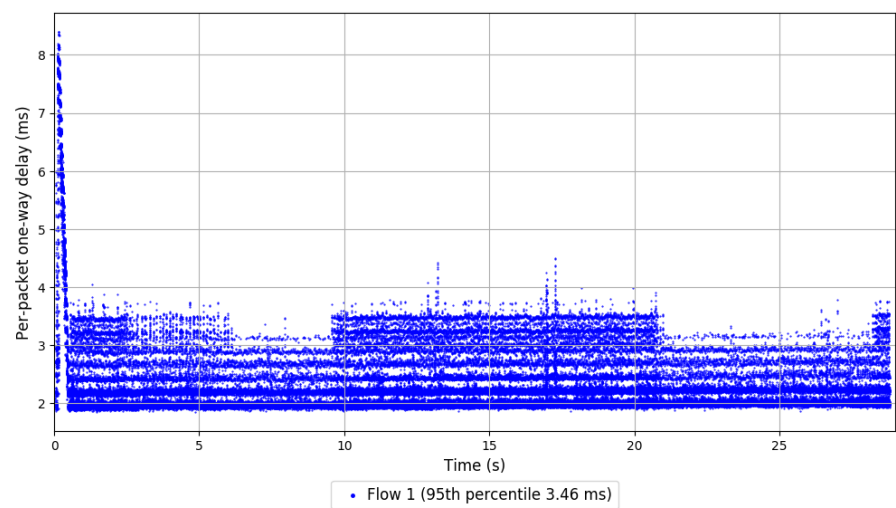
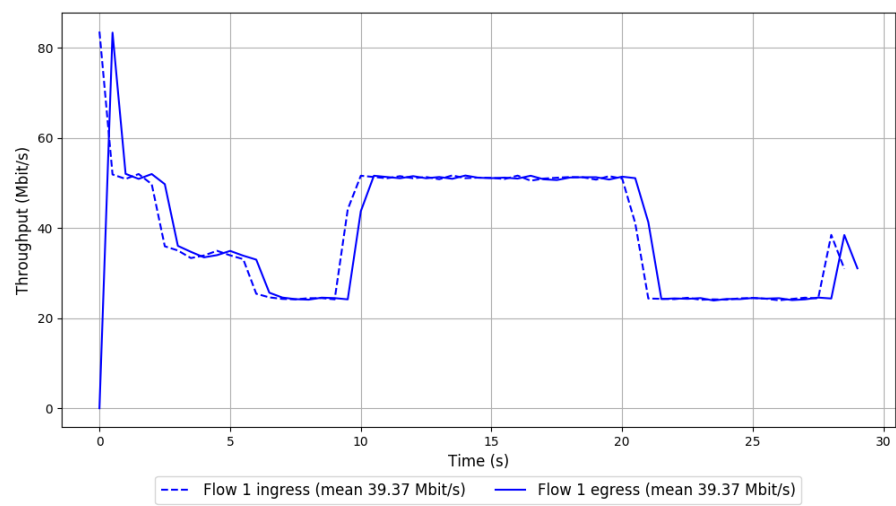
-- Flow 1:

Average throughput: 39.37 Mbit/s

95th percentile per-packet one-way delay: 3.455 ms

Loss rate: 0.00%

Run 5: Report of Indigo-MusesC5 — Data Link



Run 1: Statistics of Indigo-MusesD

Start at: 2019-07-17 17:37:37

End at: 2019-07-17 17:38:07

Local clock offset: -4.122 ms

Remote clock offset: -0.07 ms

Below is generated by plot.py at 2019-07-17 19:47:09

Datalink statistics

-- Total of 1 flow:

Average throughput: 76.44 Mbit/s

95th percentile per-packet one-way delay: 3.758 ms

Loss rate: 0.00%

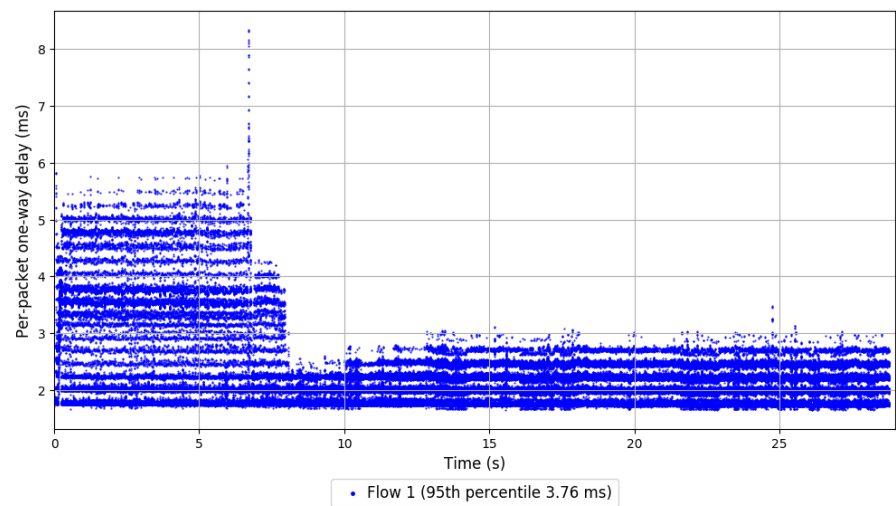
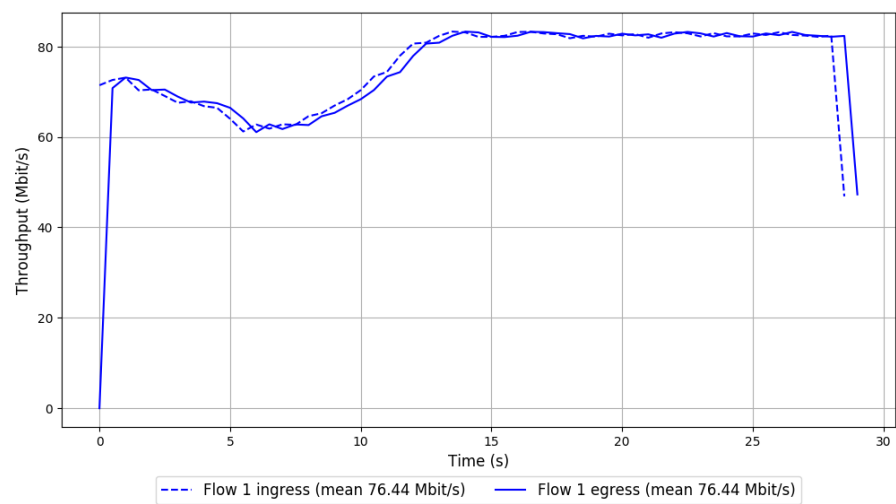
-- Flow 1:

Average throughput: 76.44 Mbit/s

95th percentile per-packet one-way delay: 3.758 ms

Loss rate: 0.00%

Run 1: Report of Indigo-MusesD — Data Link



Run 2: Statistics of Indigo-MusesD

Start at: 2019-07-17 18:04:17

End at: 2019-07-17 18:04:47

Local clock offset: -5.166 ms

Remote clock offset: 0.084 ms

Below is generated by plot.py at 2019-07-17 19:47:12

Datalink statistics

-- Total of 1 flow:

Average throughput: 77.27 Mbit/s

95th percentile per-packet one-way delay: 4.065 ms

Loss rate: 0.00%

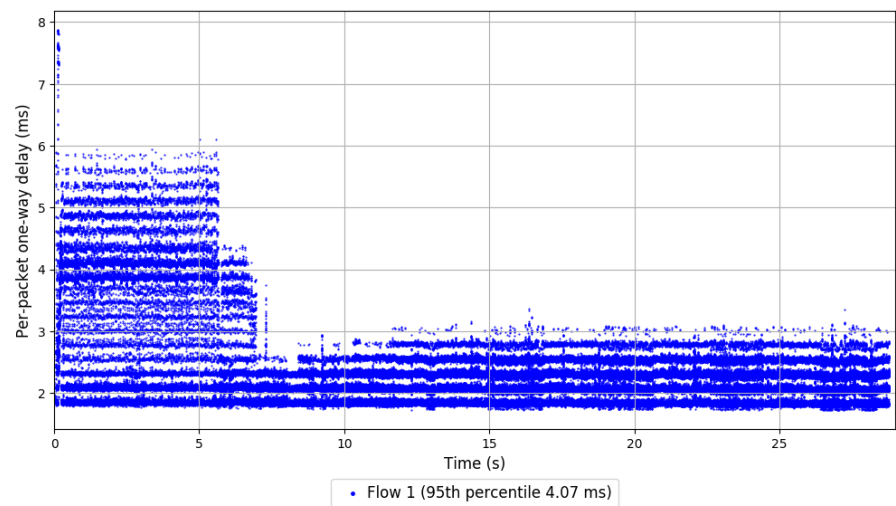
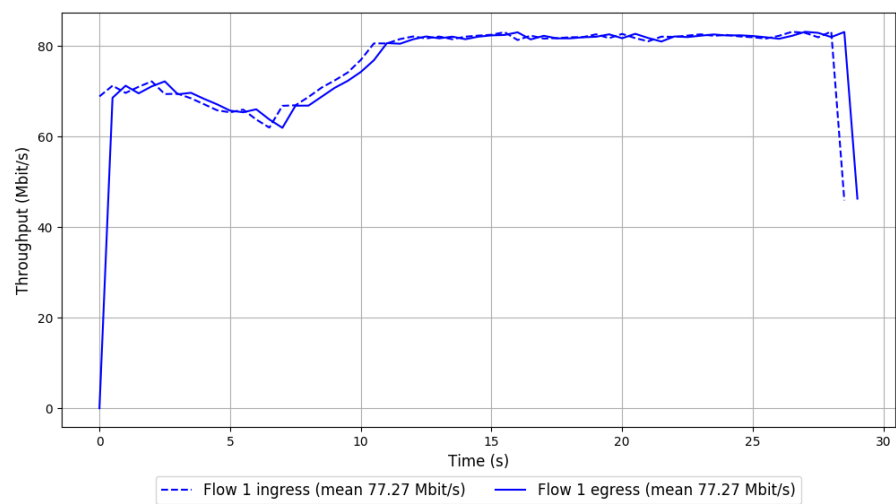
-- Flow 1:

Average throughput: 77.27 Mbit/s

95th percentile per-packet one-way delay: 4.065 ms

Loss rate: 0.00%

Run 2: Report of Indigo-MusesD — Data Link



Run 3: Statistics of Indigo-MusesD

Start at: 2019-07-17 18:30:57

End at: 2019-07-17 18:31:27

Local clock offset: -5.584 ms

Remote clock offset: 0.194 ms

Below is generated by plot.py at 2019-07-17 19:47:12

Datalink statistics

-- Total of 1 flow:

Average throughput: 55.97 Mbit/s

95th percentile per-packet one-way delay: 3.740 ms

Loss rate: 0.00%

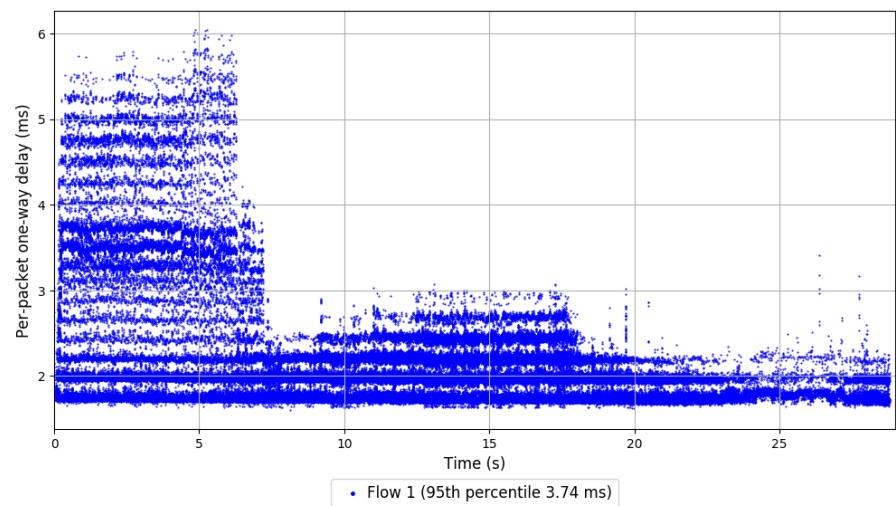
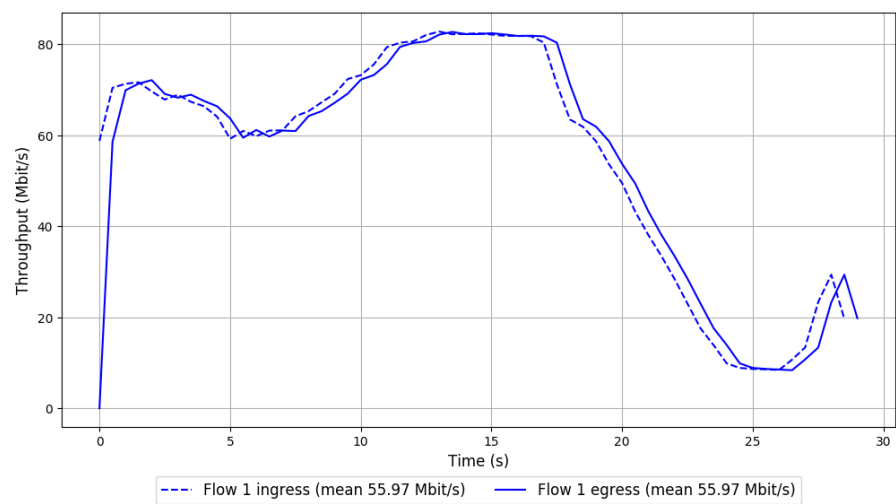
-- Flow 1:

Average throughput: 55.97 Mbit/s

95th percentile per-packet one-way delay: 3.740 ms

Loss rate: 0.00%

Run 3: Report of Indigo-MusesD — Data Link



Run 4: Statistics of Indigo-MusesD

Start at: 2019-07-17 18:57:36

End at: 2019-07-17 18:58:06

Local clock offset: -4.48 ms

Remote clock offset: 0.422 ms

Below is generated by plot.py at 2019-07-17 19:47:23

Datalink statistics

-- Total of 1 flow:

Average throughput: 74.89 Mbit/s

95th percentile per-packet one-way delay: 4.102 ms

Loss rate: 0.00%

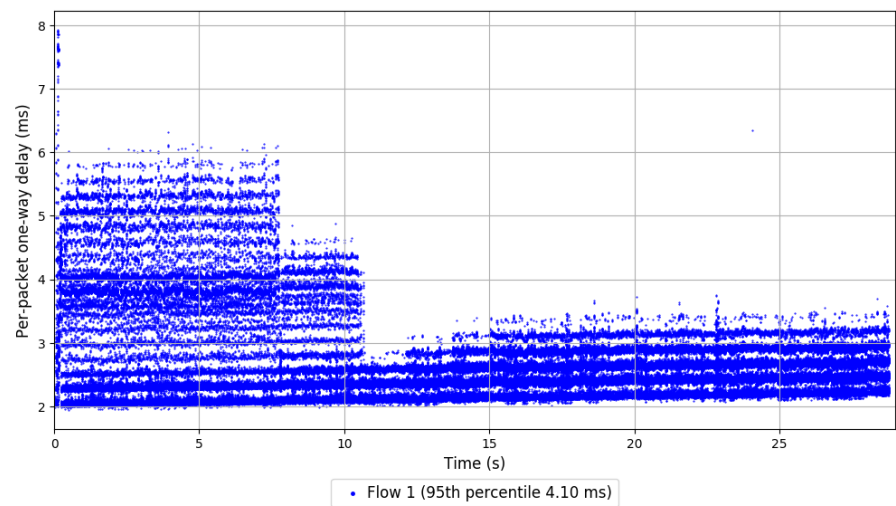
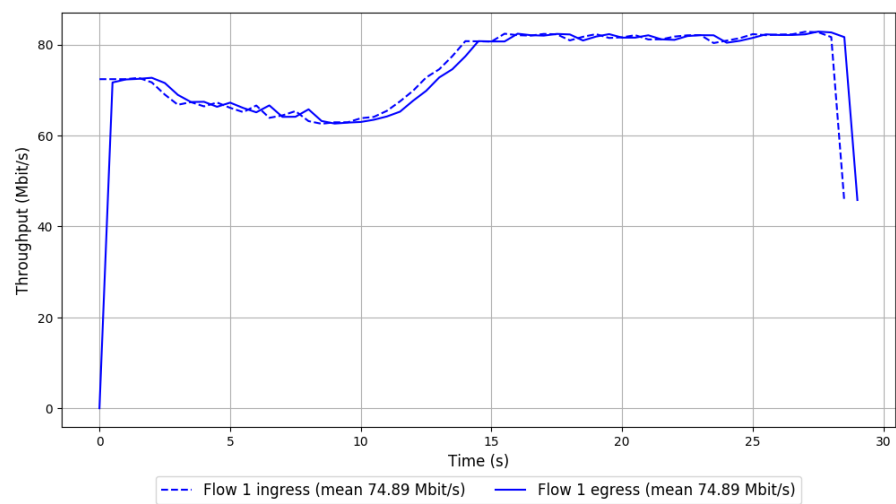
-- Flow 1:

Average throughput: 74.89 Mbit/s

95th percentile per-packet one-way delay: 4.102 ms

Loss rate: 0.00%

Run 4: Report of Indigo-MusesD — Data Link



Run 5: Statistics of Indigo-MusesD

Start at: 2019-07-17 19:24:29

End at: 2019-07-17 19:24:59

Local clock offset: 0.333 ms

Remote clock offset: 0.419 ms

Below is generated by plot.py at 2019-07-17 19:47:23

Datalink statistics

-- Total of 1 flow:

Average throughput: 49.61 Mbit/s

95th percentile per-packet one-way delay: 4.284 ms

Loss rate: 0.00%

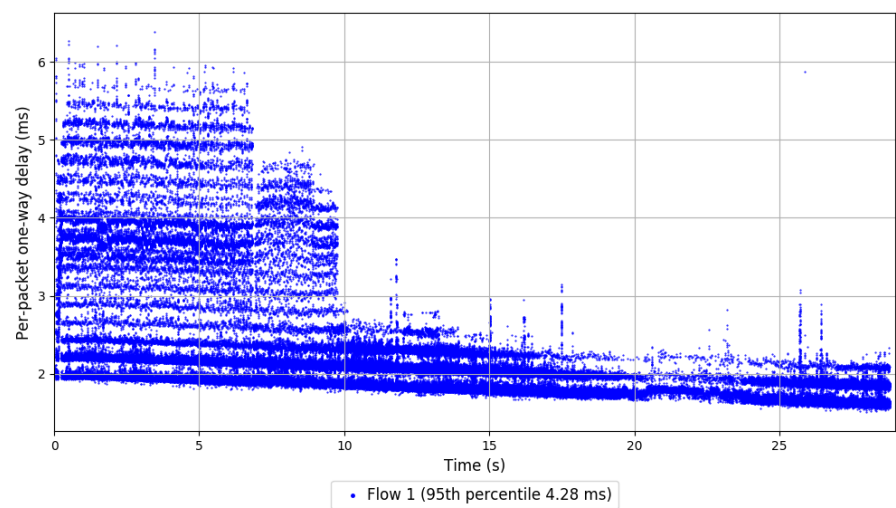
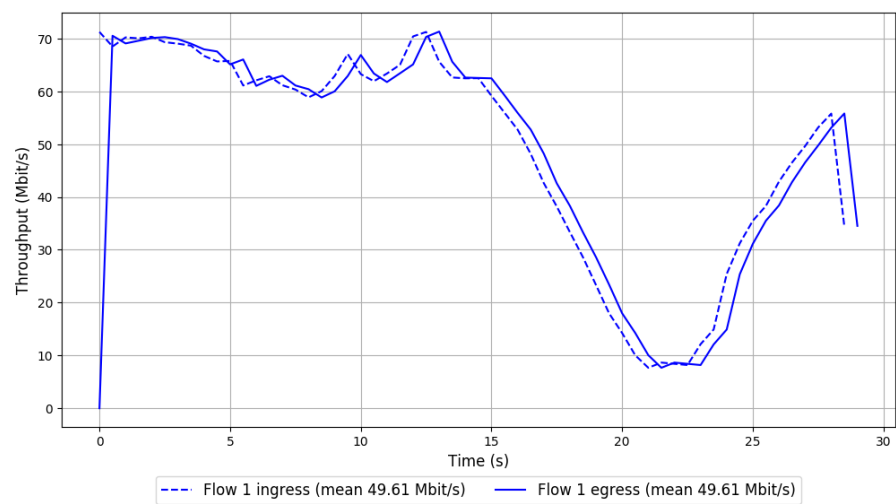
-- Flow 1:

Average throughput: 49.61 Mbit/s

95th percentile per-packet one-way delay: 4.284 ms

Loss rate: 0.00%

Run 5: Report of Indigo-MusesD — Data Link



Run 1: Statistics of Indigo-MusesT

Start at: 2019-07-17 17:35:24

End at: 2019-07-17 17:35:54

Local clock offset: -3.919 ms

Remote clock offset: 0.017 ms

Below is generated by plot.py at 2019-07-17 19:47:40

Datalink statistics

-- Total of 1 flow:

Average throughput: 86.28 Mbit/s

95th percentile per-packet one-way delay: 3.074 ms

Loss rate: 0.00%

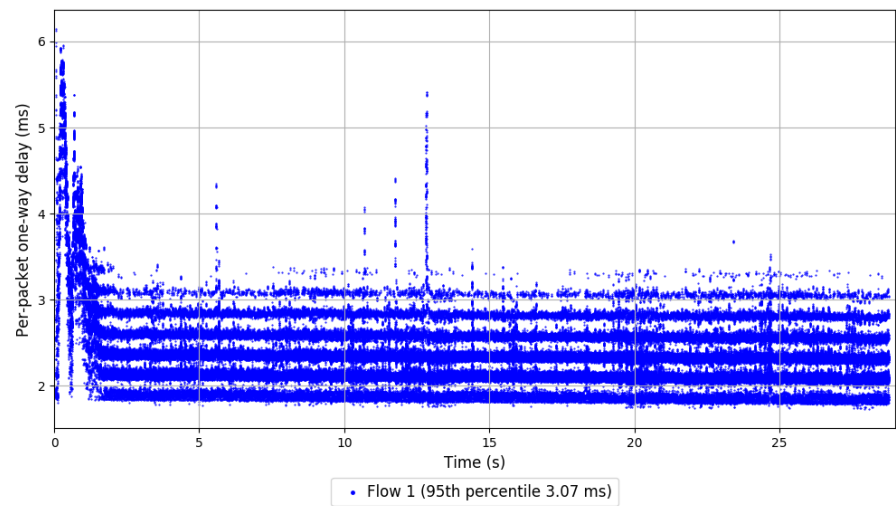
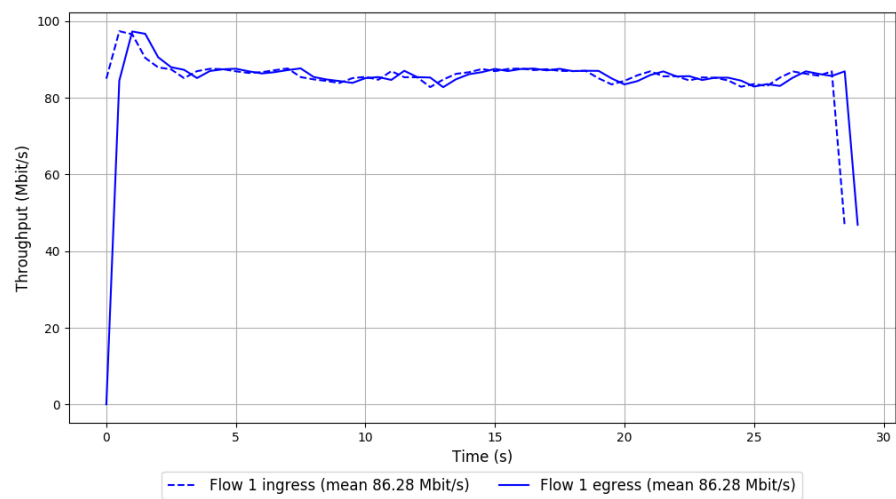
-- Flow 1:

Average throughput: 86.28 Mbit/s

95th percentile per-packet one-way delay: 3.074 ms

Loss rate: 0.00%

Run 1: Report of Indigo-MusesT — Data Link



Run 2: Statistics of Indigo-MusesT

Start at: 2019-07-17 18:02:03

End at: 2019-07-17 18:02:33

Local clock offset: -4.995 ms

Remote clock offset: 0.153 ms

Below is generated by plot.py at 2019-07-17 19:47:41

Datalink statistics

-- Total of 1 flow:

Average throughput: 86.62 Mbit/s

95th percentile per-packet one-way delay: 3.129 ms

Loss rate: 0.00%

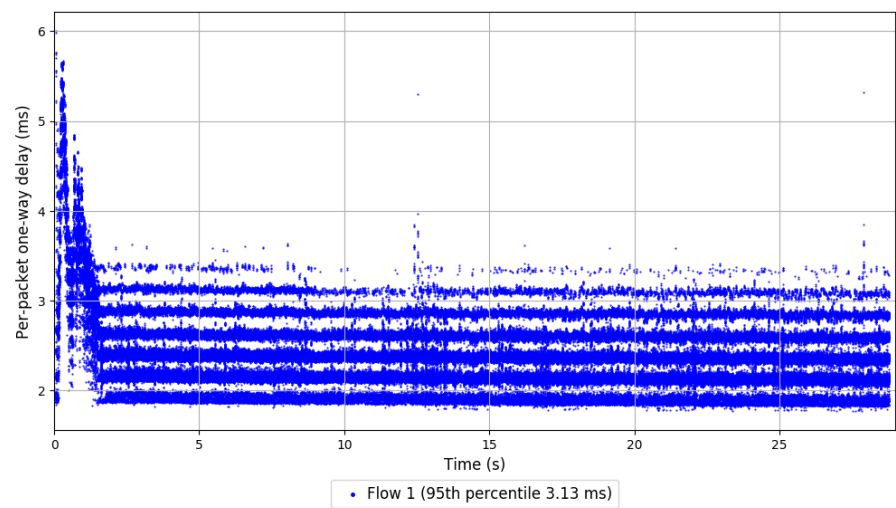
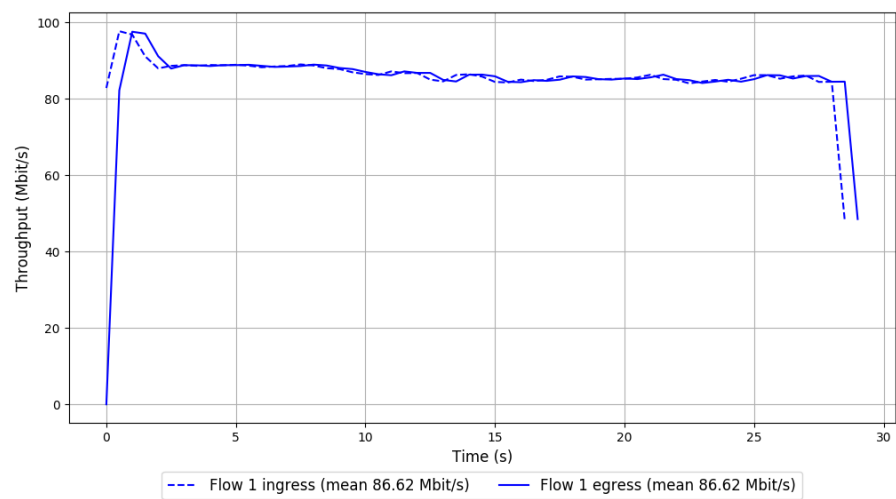
-- Flow 1:

Average throughput: 86.62 Mbit/s

95th percentile per-packet one-way delay: 3.129 ms

Loss rate: 0.00%

Run 2: Report of Indigo-MusesT — Data Link



Run 3: Statistics of Indigo-MusesT

Start at: 2019-07-17 18:28:44

End at: 2019-07-17 18:29:14

Local clock offset: -5.475 ms

Remote clock offset: 0.321 ms

Below is generated by plot.py at 2019-07-17 19:47:44

Datalink statistics

-- Total of 1 flow:

Average throughput: 86.82 Mbit/s

95th percentile per-packet one-way delay: 3.193 ms

Loss rate: 0.00%

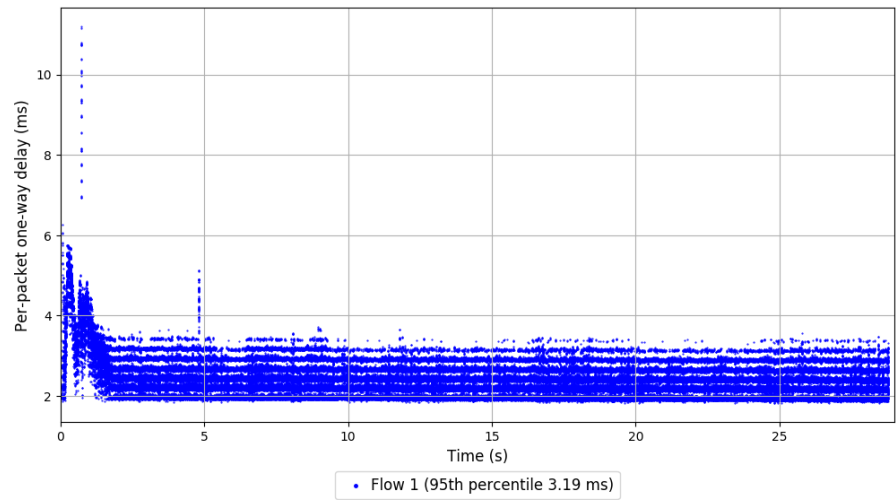
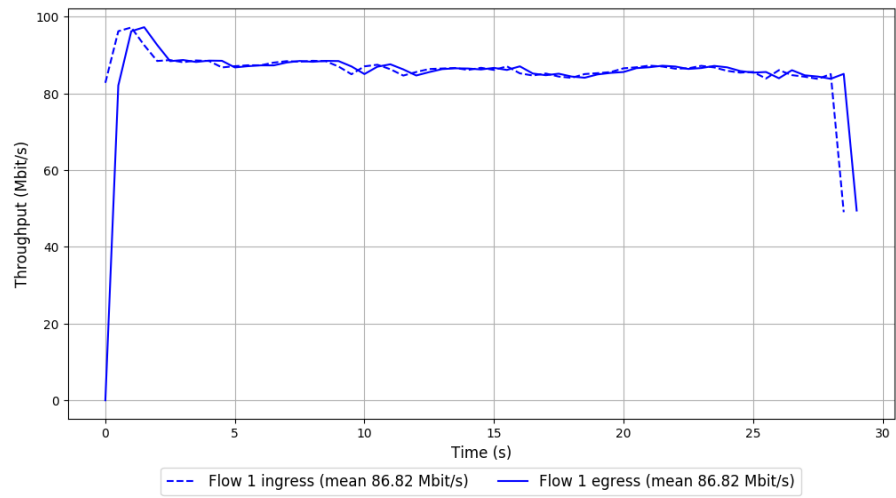
-- Flow 1:

Average throughput: 86.82 Mbit/s

95th percentile per-packet one-way delay: 3.193 ms

Loss rate: 0.00%

Run 3: Report of Indigo-MusesT — Data Link



Run 4: Statistics of Indigo-MusesT

Start at: 2019-07-17 18:55:23

End at: 2019-07-17 18:55:53

Local clock offset: -5.604 ms

Remote clock offset: 0.33 ms

Below is generated by plot.py at 2019-07-17 19:48:11

Datalink statistics

-- Total of 1 flow:

Average throughput: 83.29 Mbit/s

95th percentile per-packet one-way delay: 3.377 ms

Loss rate: 0.00%

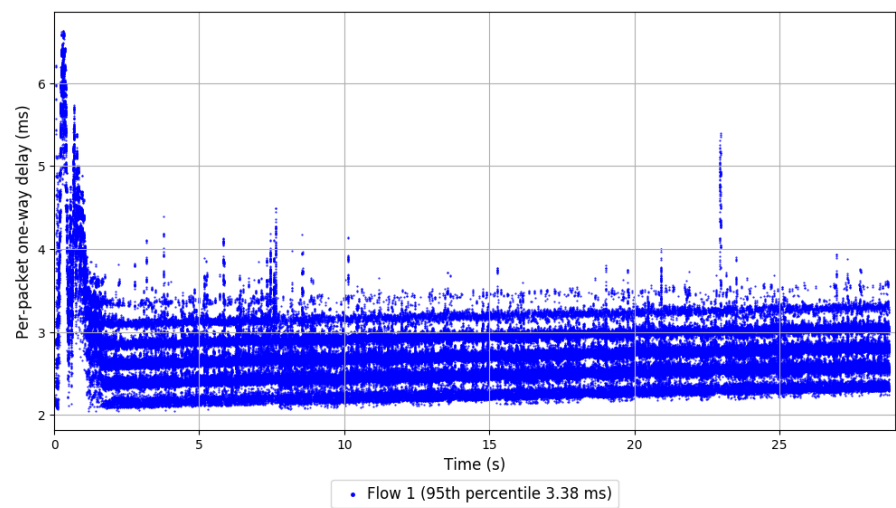
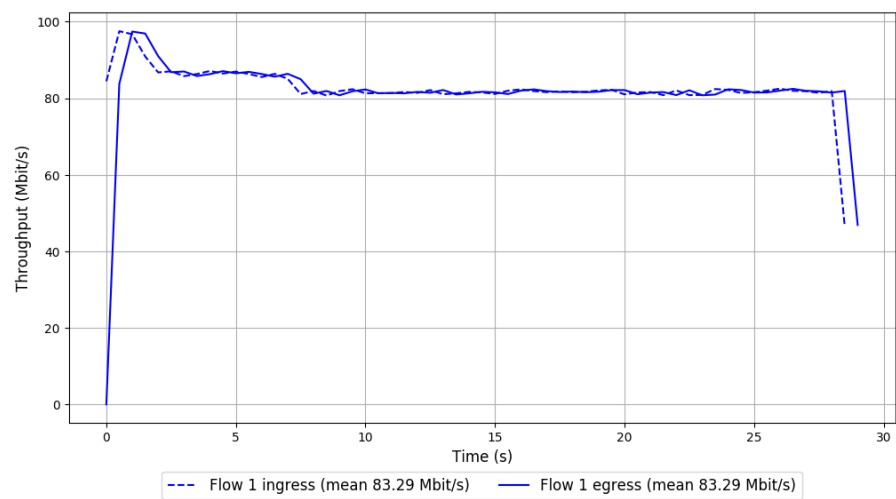
-- Flow 1:

Average throughput: 83.29 Mbit/s

95th percentile per-packet one-way delay: 3.377 ms

Loss rate: 0.00%

Run 4: Report of Indigo-MusesT — Data Link



Run 5: Statistics of Indigo-MusesT

Start at: 2019-07-17 19:22:16

End at: 2019-07-17 19:22:46

Local clock offset: 0.121 ms

Remote clock offset: 0.382 ms

Below is generated by plot.py at 2019-07-17 19:48:12

Datalink statistics

-- Total of 1 flow:

Average throughput: 82.76 Mbit/s

95th percentile per-packet one-way delay: 3.156 ms

Loss rate: 0.00%

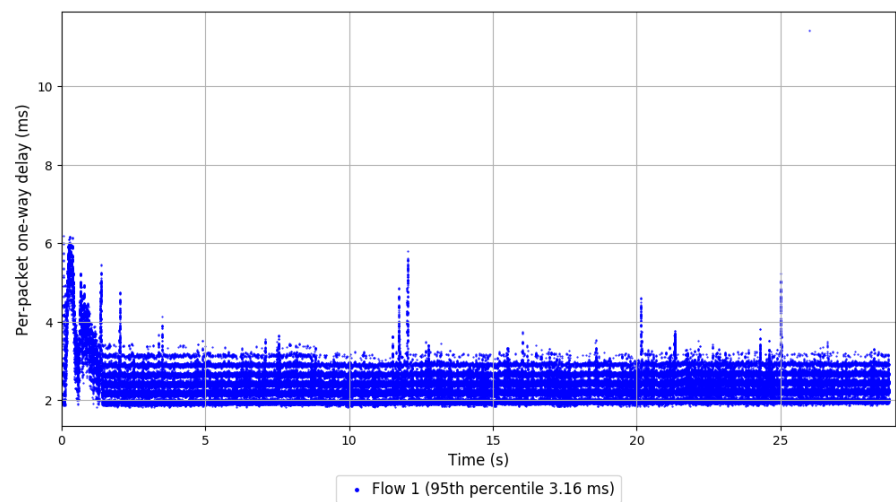
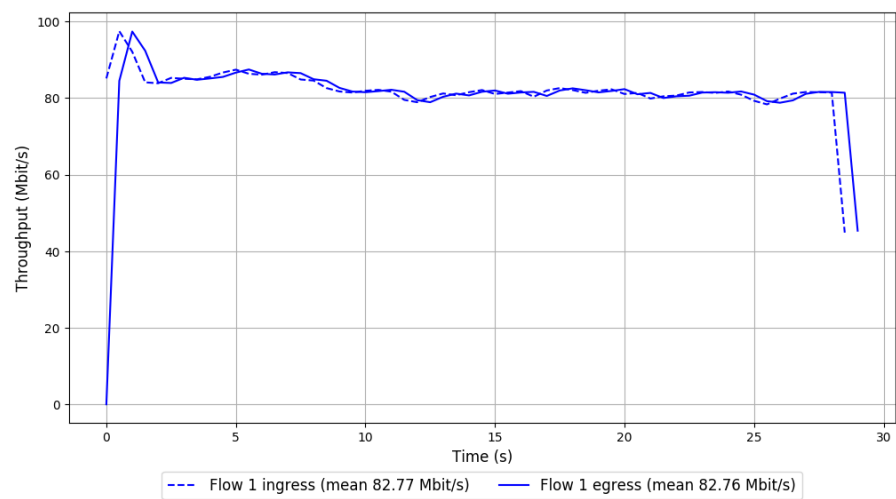
-- Flow 1:

Average throughput: 82.76 Mbit/s

95th percentile per-packet one-way delay: 3.156 ms

Loss rate: 0.00%

Run 5: Report of Indigo-MusesT — Data Link

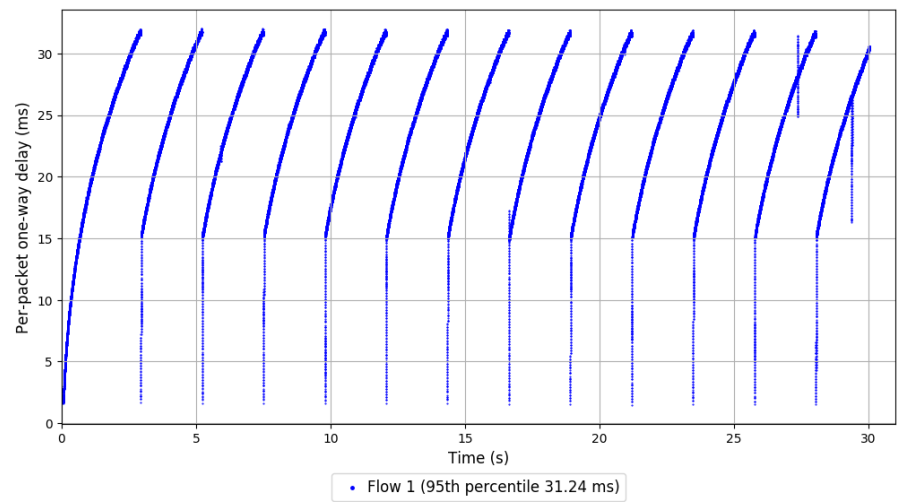
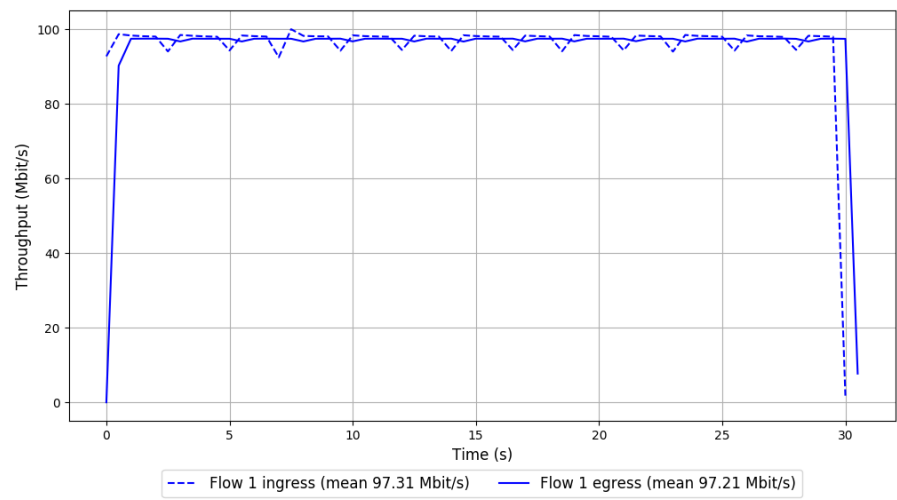


Run 1: Statistics of LEDBAT

Start at: 2019-07-17 17:27:35
End at: 2019-07-17 17:28:05
Local clock offset: -1.863 ms
Remote clock offset: -0.025 ms

Below is generated by plot.py at 2019-07-17 19:48:32
Datalink statistics
-- Total of 1 flow:
Average throughput: 97.21 Mbit/s
95th percentile per-packet one-way delay: 31.240 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 97.21 Mbit/s
95th percentile per-packet one-way delay: 31.240 ms
Loss rate: 0.01%

Run 1: Report of LEDBAT — Data Link



Run 2: Statistics of LEDBAT

Start at: 2019-07-17 17:54:16

End at: 2019-07-17 17:54:46

Local clock offset: -3.778 ms

Remote clock offset: 0.045 ms

Below is generated by plot.py at 2019-07-17 19:48:32

Datalink statistics

-- Total of 1 flow:

Average throughput: 97.17 Mbit/s

95th percentile per-packet one-way delay: 31.643 ms

Loss rate: 0.01%

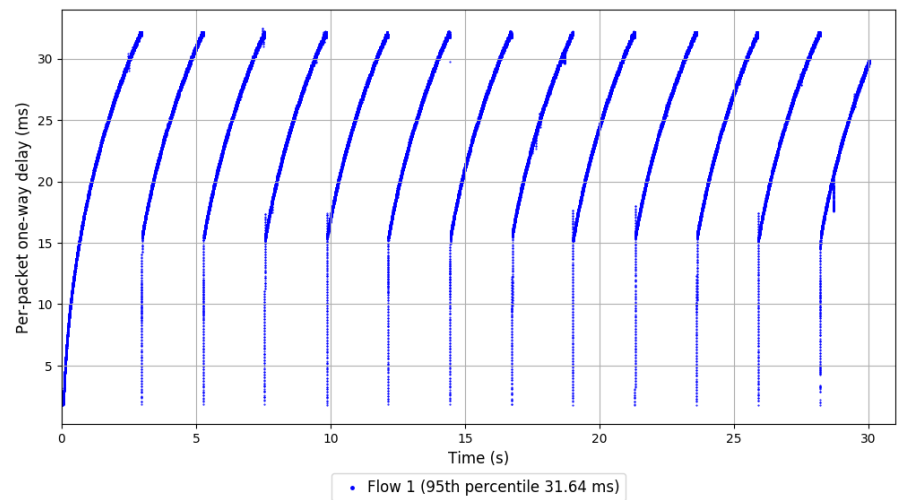
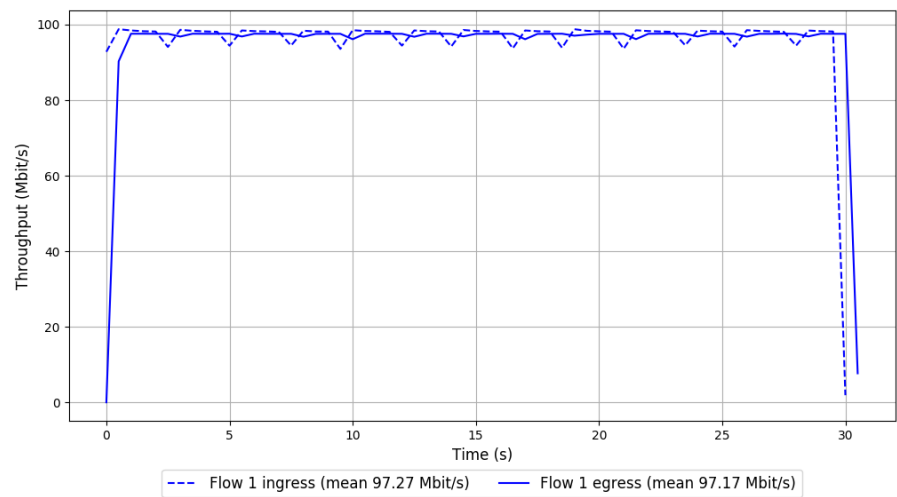
-- Flow 1:

Average throughput: 97.17 Mbit/s

95th percentile per-packet one-way delay: 31.643 ms

Loss rate: 0.01%

Run 2: Report of LEDBAT — Data Link



Run 3: Statistics of LEDBAT

Start at: 2019-07-17 18:20:55

End at: 2019-07-17 18:21:25

Local clock offset: -5.086 ms

Remote clock offset: 0.181 ms

Below is generated by plot.py at 2019-07-17 19:48:48

Datalink statistics

-- Total of 1 flow:

Average throughput: 97.18 Mbit/s

95th percentile per-packet one-way delay: 31.576 ms

Loss rate: 0.01%

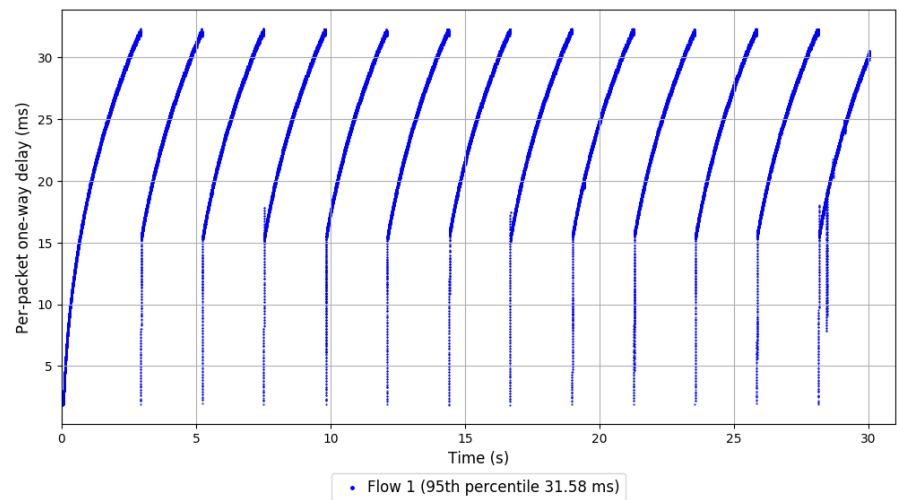
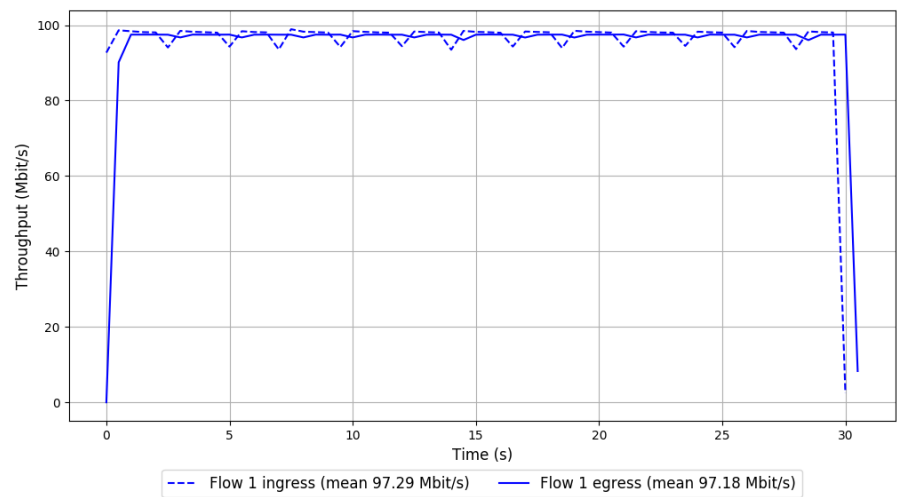
-- Flow 1:

Average throughput: 97.18 Mbit/s

95th percentile per-packet one-way delay: 31.576 ms

Loss rate: 0.01%

Run 3: Report of LEDBAT — Data Link



Run 4: Statistics of LEDBAT

Start at: 2019-07-17 18:47:35

End at: 2019-07-17 18:48:05

Local clock offset: -5.97 ms

Remote clock offset: 0.365 ms

Below is generated by plot.py at 2019-07-17 19:49:02

Datalink statistics

-- Total of 1 flow:

Average throughput: 97.21 Mbit/s

95th percentile per-packet one-way delay: 31.573 ms

Loss rate: 0.01%

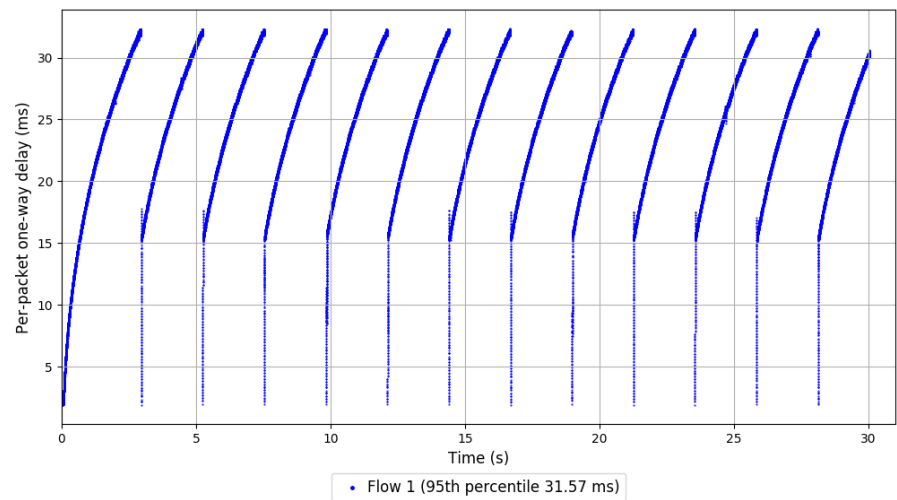
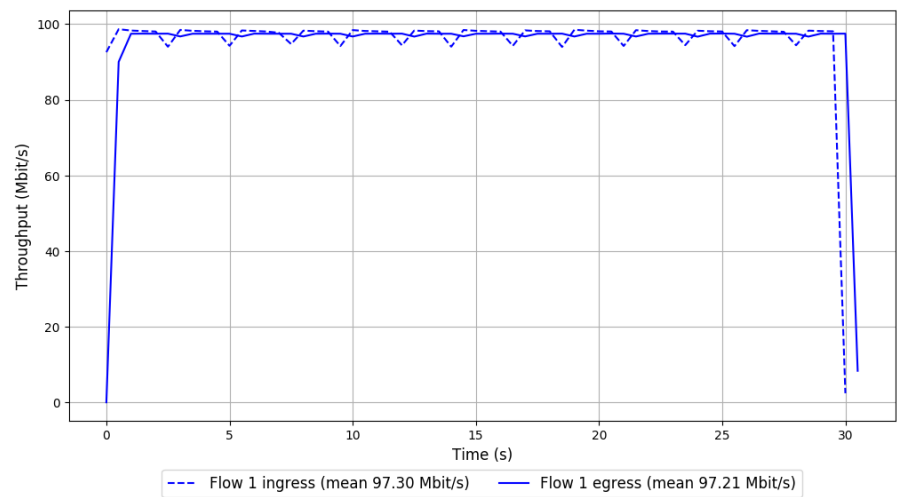
-- Flow 1:

Average throughput: 97.21 Mbit/s

95th percentile per-packet one-way delay: 31.573 ms

Loss rate: 0.01%

Run 4: Report of LEDBAT — Data Link



Run 5: Statistics of LEDBAT

Start at: 2019-07-17 19:14:15

End at: 2019-07-17 19:14:45

Local clock offset: -0.812 ms

Remote clock offset: 0.45 ms

Below is generated by plot.py at 2019-07-17 19:49:03

Datalink statistics

-- Total of 1 flow:

Average throughput: 97.20 Mbit/s

95th percentile per-packet one-way delay: 31.650 ms

Loss rate: 0.01%

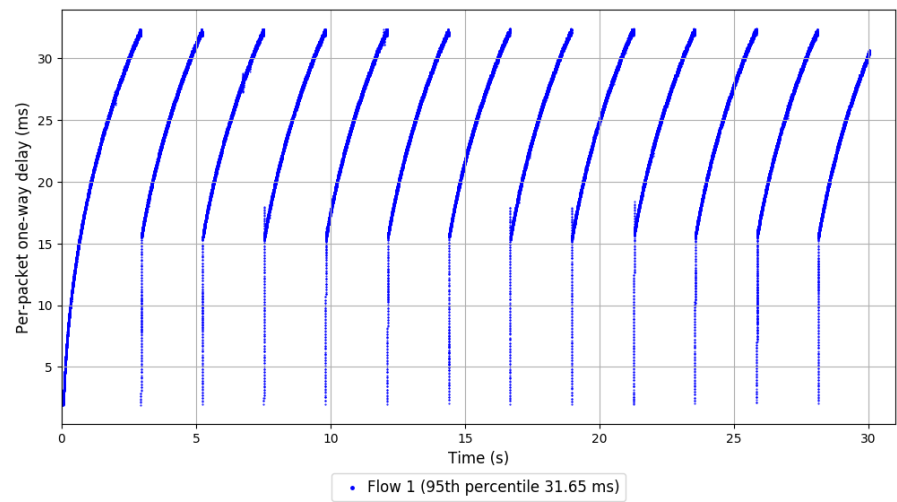
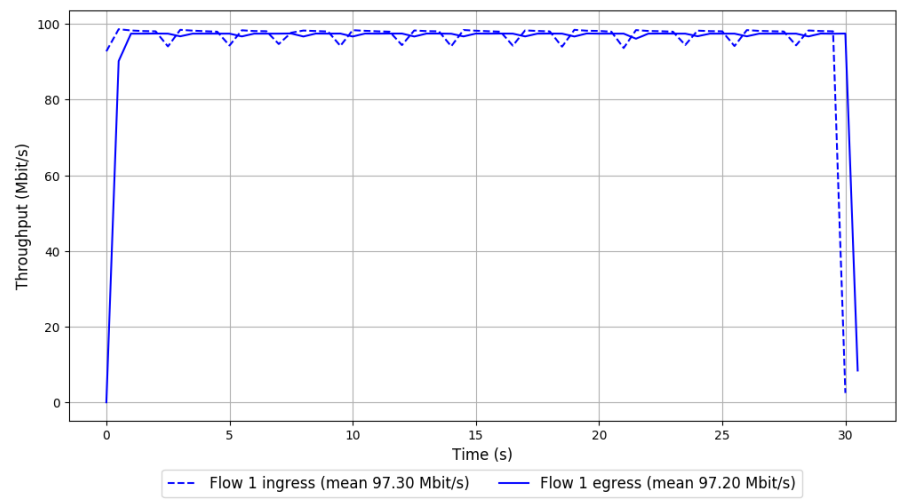
-- Flow 1:

Average throughput: 97.20 Mbit/s

95th percentile per-packet one-way delay: 31.650 ms

Loss rate: 0.01%

Run 5: Report of LEDBAT — Data Link



Run 1: Statistics of Muses_DecisionTree

Start at: 2019-07-17 17:26:31
End at: 2019-07-17 17:27:01
Local clock offset: -1.301 ms
Remote clock offset: -0.106 ms

Below is generated by plot.py at 2019-07-17 19:49:03

Datalink statistics

-- Total of 1 flow:

Average throughput: 6.10 Mbit/s

95th percentile per-packet one-way delay: 1.796 ms

Loss rate: 0.00%

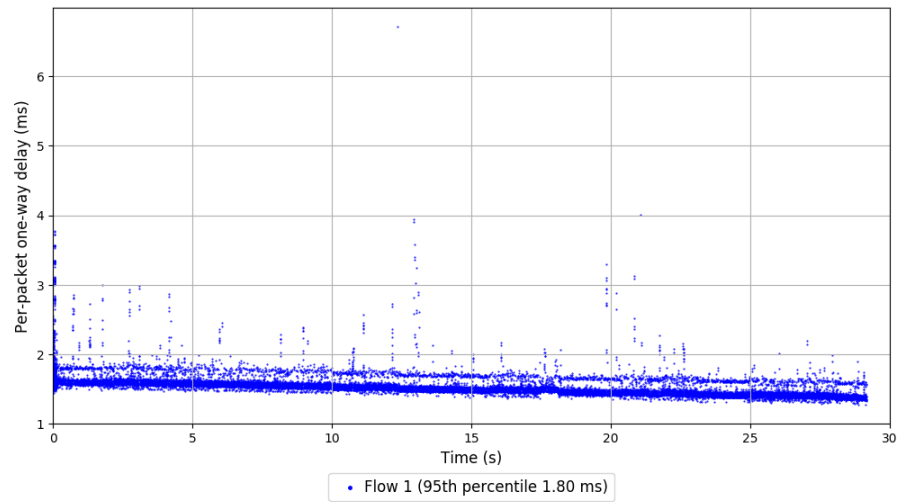
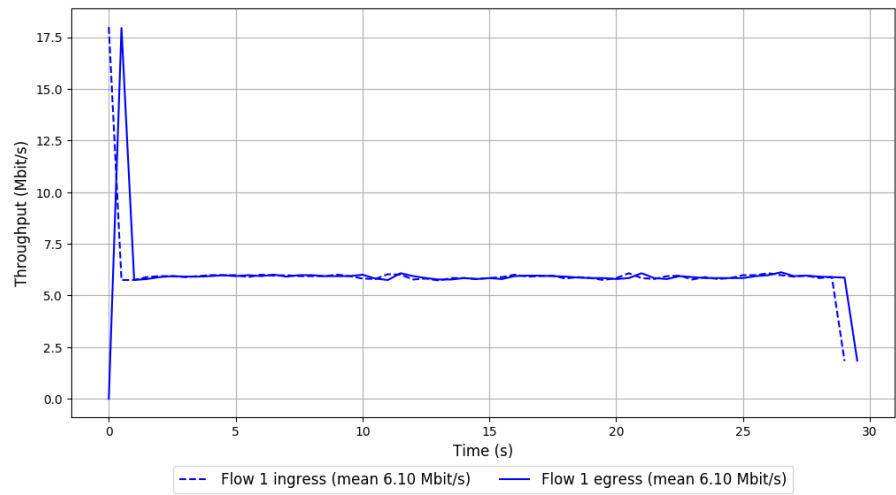
-- Flow 1:

Average throughput: 6.10 Mbit/s

95th percentile per-packet one-way delay: 1.796 ms

Loss rate: 0.00%

Run 1: Report of Muses_DecisionTree — Data Link



Run 2: Statistics of Muses_DecisionTree

Start at: 2019-07-17 17:53:11

End at: 2019-07-17 17:53:41

Local clock offset: -3.92 ms

Remote clock offset: 0.014 ms

Below is generated by plot.py at 2019-07-17 19:49:03

Datalink statistics

-- Total of 1 flow:

Average throughput: 6.11 Mbit/s

95th percentile per-packet one-way delay: 2.195 ms

Loss rate: 0.00%

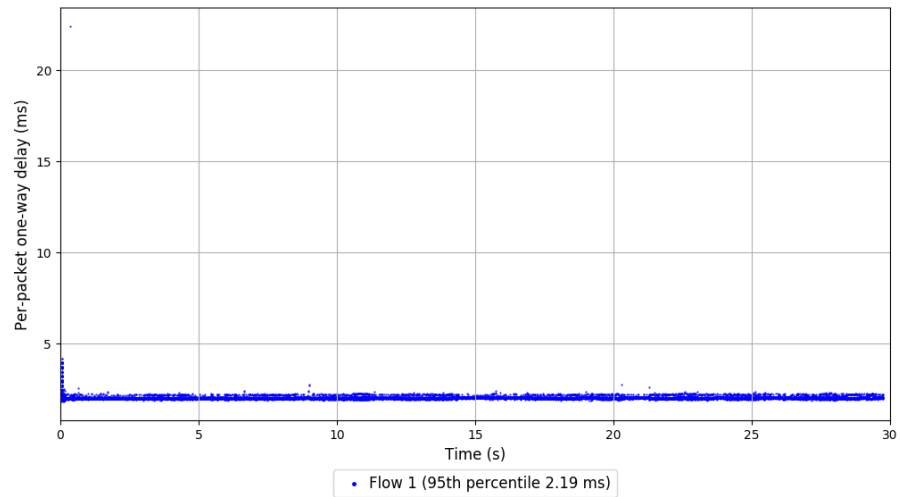
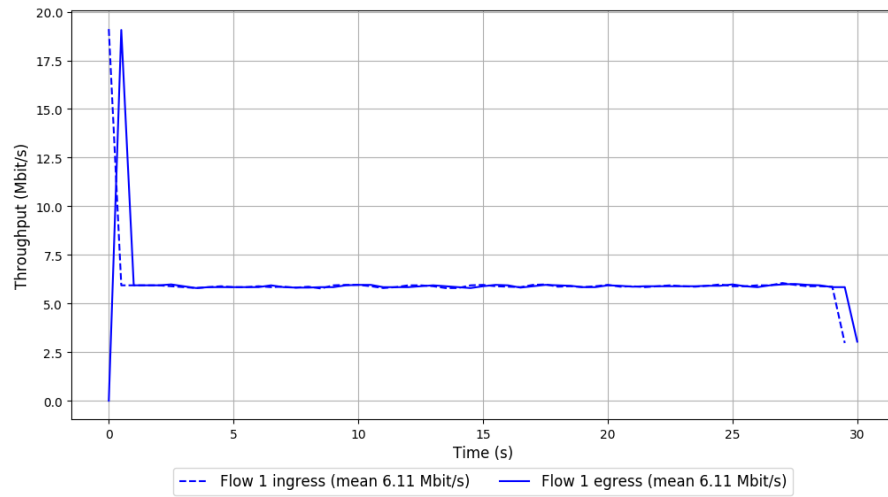
-- Flow 1:

Average throughput: 6.11 Mbit/s

95th percentile per-packet one-way delay: 2.195 ms

Loss rate: 0.00%

Run 2: Report of Muses_DecisionTree — Data Link



Run 3: Statistics of Muses_DecisionTree

Start at: 2019-07-17 18:19:51

End at: 2019-07-17 18:20:21

Local clock offset: -5.132 ms

Remote clock offset: 0.224 ms

Below is generated by plot.py at 2019-07-17 19:49:03

Datalink statistics

-- Total of 1 flow:

Average throughput: 6.14 Mbit/s

95th percentile per-packet one-way delay: 2.253 ms

Loss rate: 0.00%

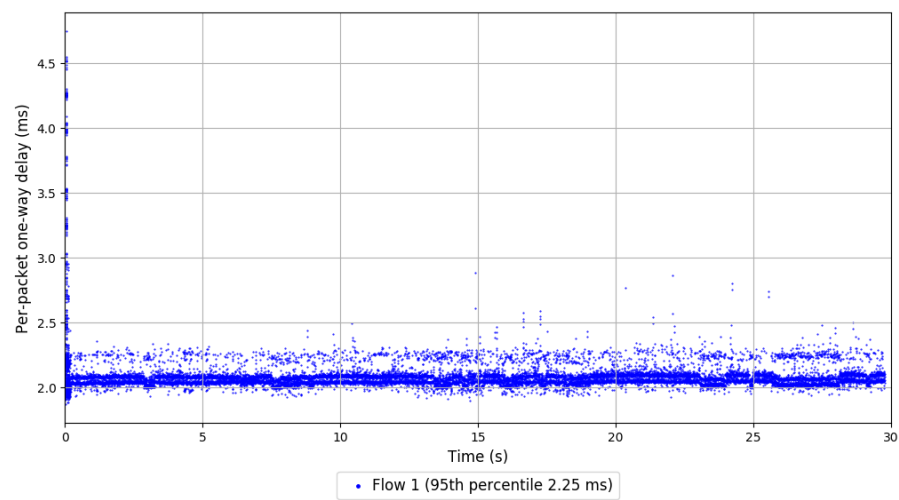
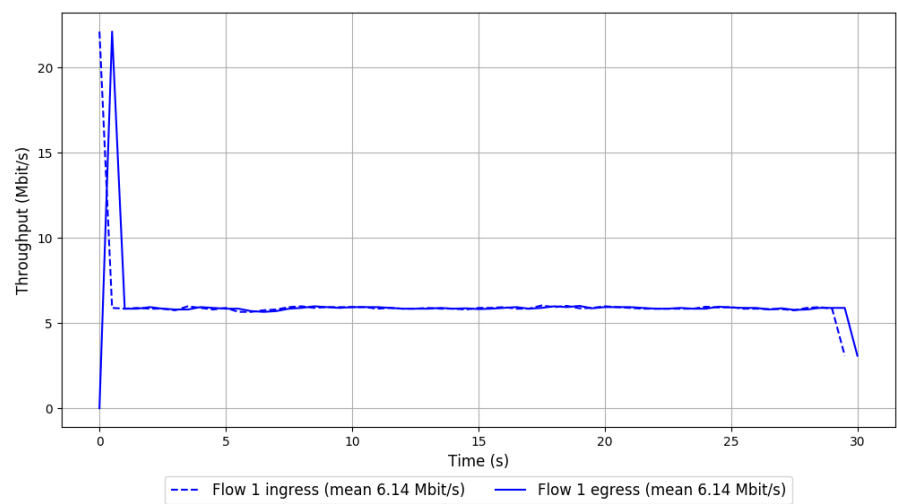
-- Flow 1:

Average throughput: 6.14 Mbit/s

95th percentile per-packet one-way delay: 2.253 ms

Loss rate: 0.00%

Run 3: Report of Muses_DecisionTree — Data Link



Run 4: Statistics of Muses_DecisionTree

Start at: 2019-07-17 18:46:30

End at: 2019-07-17 18:47:00

Local clock offset: -5.909 ms

Remote clock offset: 0.411 ms

Below is generated by plot.py at 2019-07-17 19:49:03

Datalink statistics

-- Total of 1 flow:

Average throughput: 6.08 Mbit/s

95th percentile per-packet one-way delay: 2.225 ms

Loss rate: 0.00%

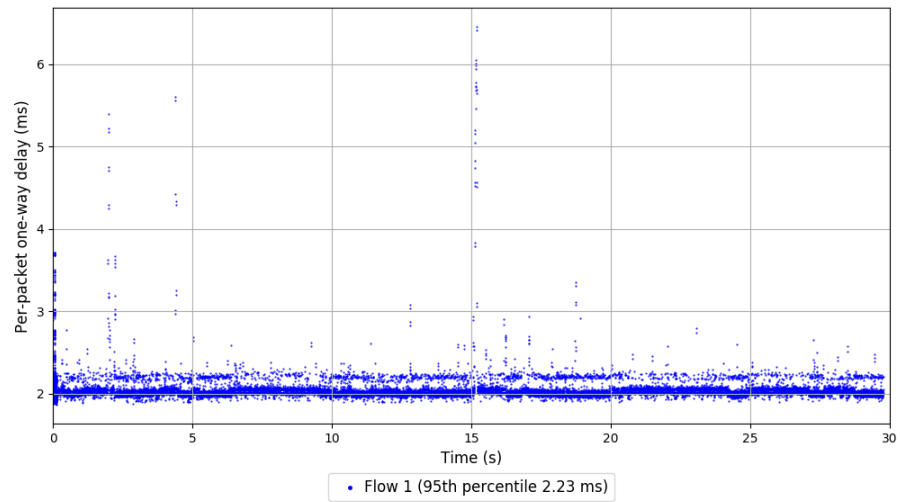
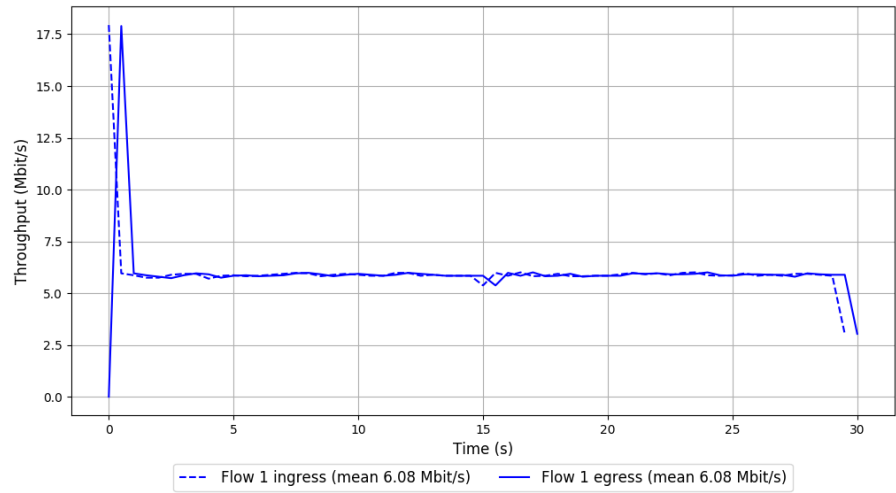
-- Flow 1:

Average throughput: 6.08 Mbit/s

95th percentile per-packet one-way delay: 2.225 ms

Loss rate: 0.00%

Run 4: Report of Muses_DecisionTree — Data Link



Run 5: Statistics of Muses_DecisionTree

Start at: 2019-07-17 19:13:11

End at: 2019-07-17 19:13:41

Local clock offset: -0.918 ms

Remote clock offset: 0.346 ms

Below is generated by plot.py at 2019-07-17 19:49:03

Datalink statistics

-- Total of 1 flow:

Average throughput: 6.07 Mbit/s

95th percentile per-packet one-way delay: 2.172 ms

Loss rate: 0.00%

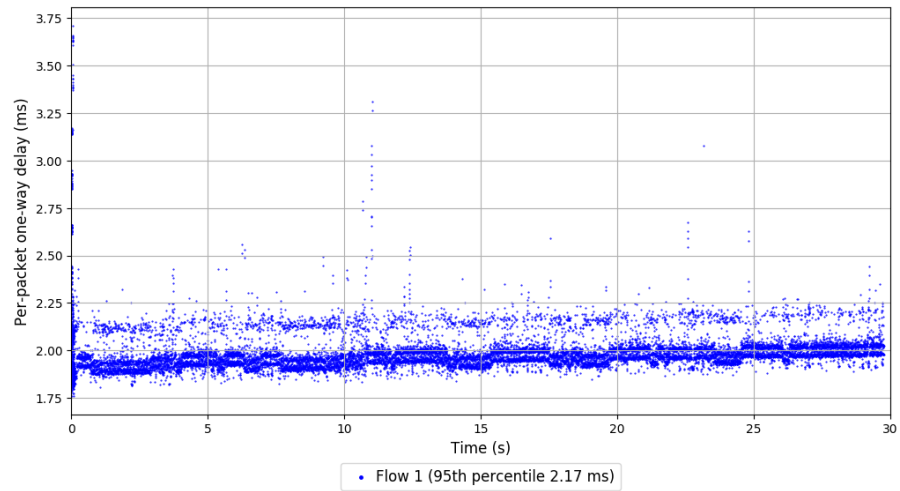
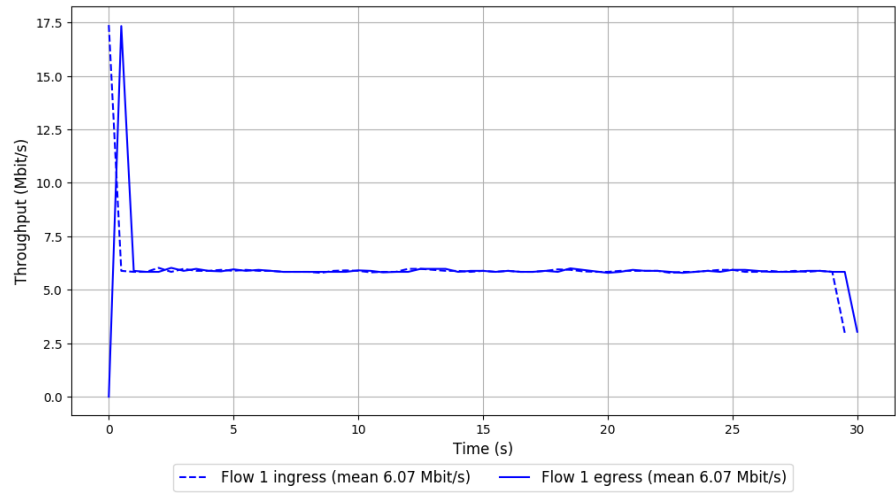
-- Flow 1:

Average throughput: 6.07 Mbit/s

95th percentile per-packet one-way delay: 2.172 ms

Loss rate: 0.00%

Run 5: Report of Muses_DecisionTree — Data Link



Run 1: Statistics of Muses_DecisionTreeH0

Start at: 2019-07-17 17:50:58

End at: 2019-07-17 17:51:28

Local clock offset: -4.076 ms

Remote clock offset: 0.076 ms

Below is generated by plot.py at 2019-07-17 19:49:03

Datalink statistics

-- Total of 1 flow:

Average throughput: 6.14 Mbit/s

95th percentile per-packet one-way delay: 2.287 ms

Loss rate: 0.01%

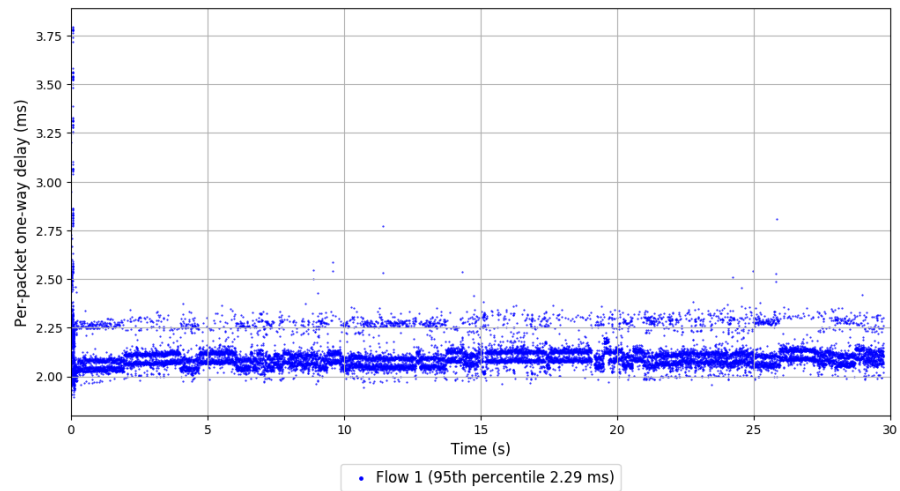
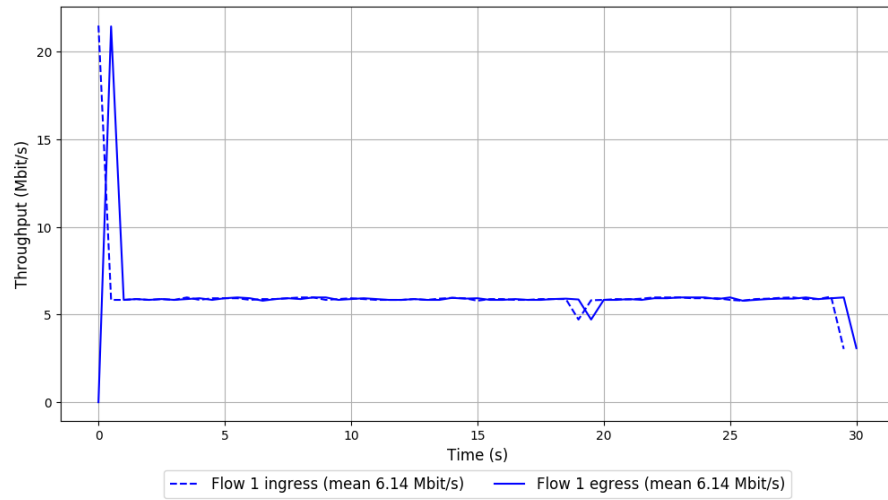
-- Flow 1:

Average throughput: 6.14 Mbit/s

95th percentile per-packet one-way delay: 2.287 ms

Loss rate: 0.01%

Run 1: Report of Muses_DecisionTreeH0 — Data Link



Run 2: Statistics of Muses_DecisionTreeH0

Start at: 2019-07-17 18:17:37

End at: 2019-07-17 18:18:07

Local clock offset: -5.121 ms

Remote clock offset: 0.251 ms

Below is generated by plot.py at 2019-07-17 19:49:03

Datalink statistics

-- Total of 1 flow:

Average throughput: 6.03 Mbit/s

95th percentile per-packet one-way delay: 2.202 ms

Loss rate: 0.00%

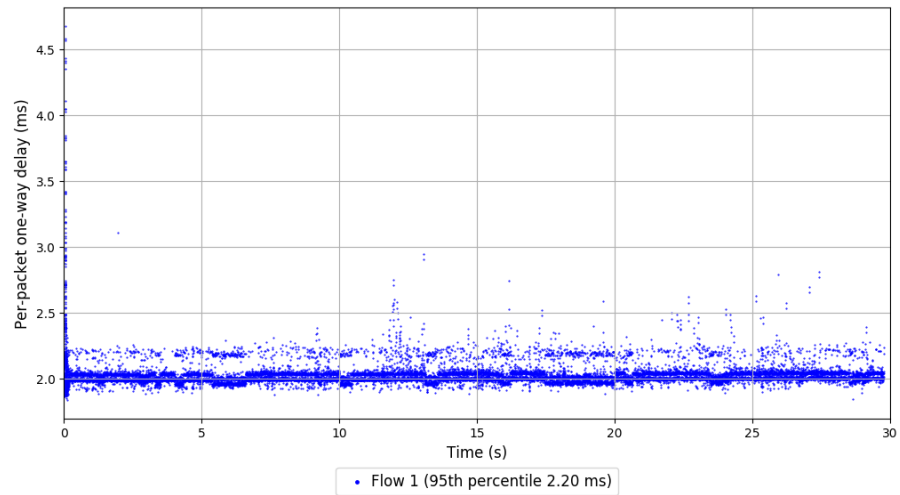
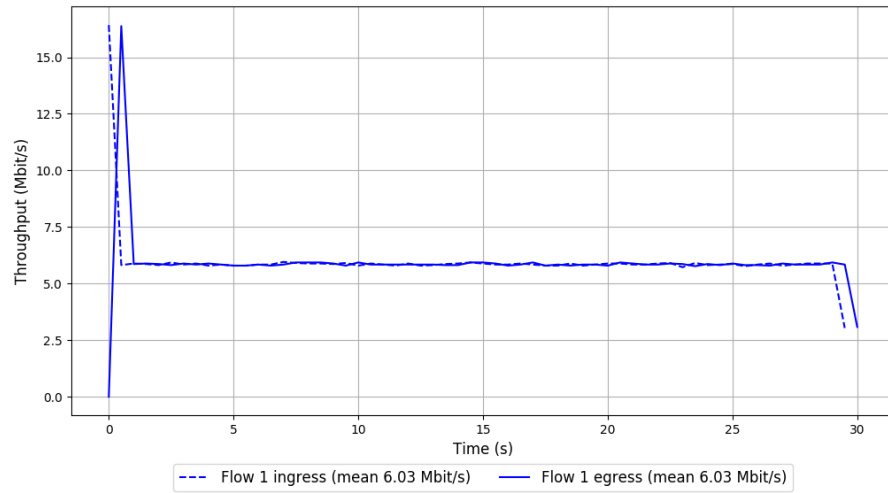
-- Flow 1:

Average throughput: 6.03 Mbit/s

95th percentile per-packet one-way delay: 2.202 ms

Loss rate: 0.00%

Run 2: Report of Muses_DecisionTreeH0 — Data Link



Run 3: Statistics of Muses_DecisionTreeH0

Start at: 2019-07-17 18:44:17

End at: 2019-07-17 18:44:47

Local clock offset: -5.996 ms

Remote clock offset: 0.391 ms

Below is generated by plot.py at 2019-07-17 19:49:03

Datalink statistics

-- Total of 1 flow:

Average throughput: 6.13 Mbit/s

95th percentile per-packet one-way delay: 2.287 ms

Loss rate: 0.00%

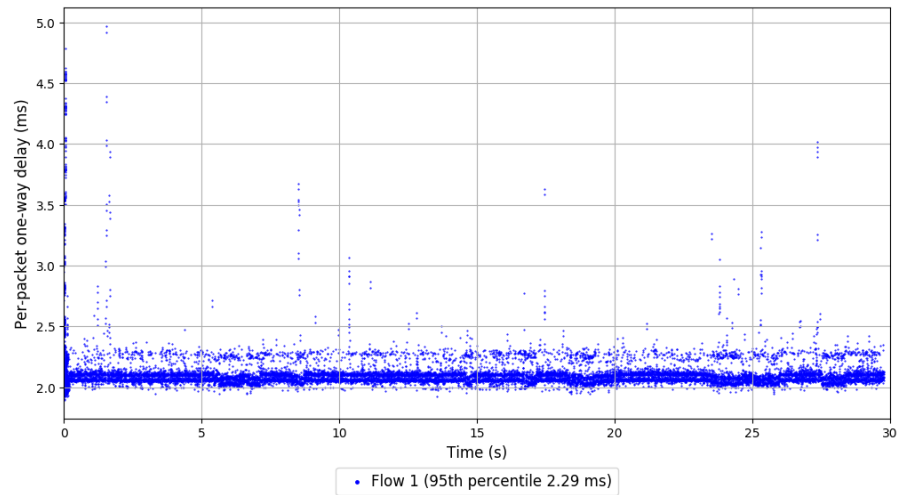
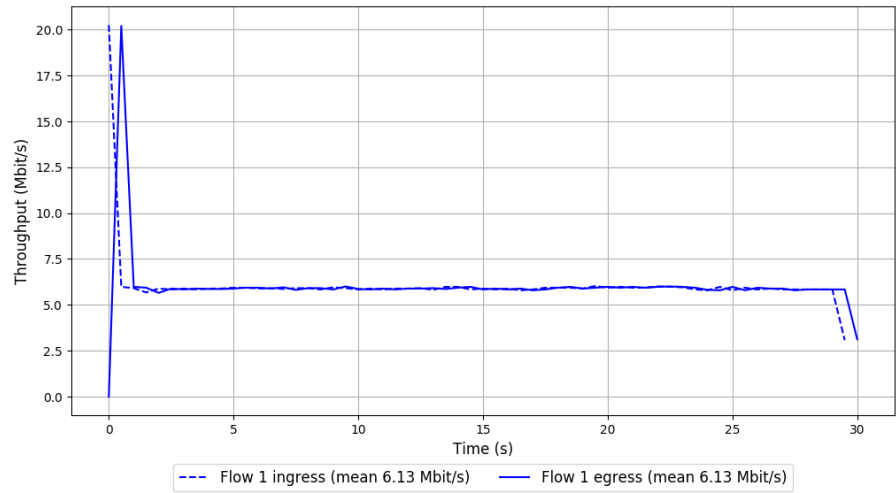
-- Flow 1:

Average throughput: 6.13 Mbit/s

95th percentile per-packet one-way delay: 2.287 ms

Loss rate: 0.00%

Run 3: Report of Muses_DecisionTreeH0 — Data Link



Run 4: Statistics of Muses_DecisionTreeH0

Start at: 2019-07-17 19:10:57

End at: 2019-07-17 19:11:27

Local clock offset: -1.268 ms

Remote clock offset: 0.46 ms

Below is generated by plot.py at 2019-07-17 19:49:03

Datalink statistics

-- Total of 1 flow:

Average throughput: 6.07 Mbit/s

95th percentile per-packet one-way delay: 2.339 ms

Loss rate: 0.00%

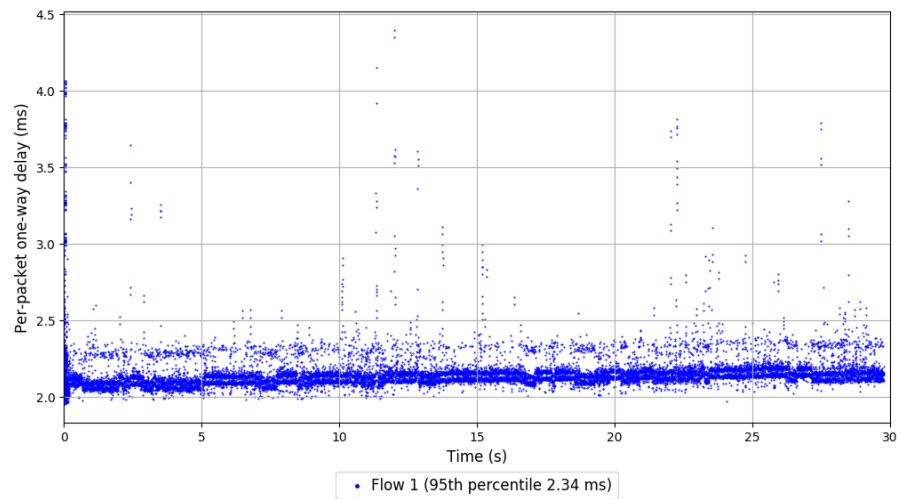
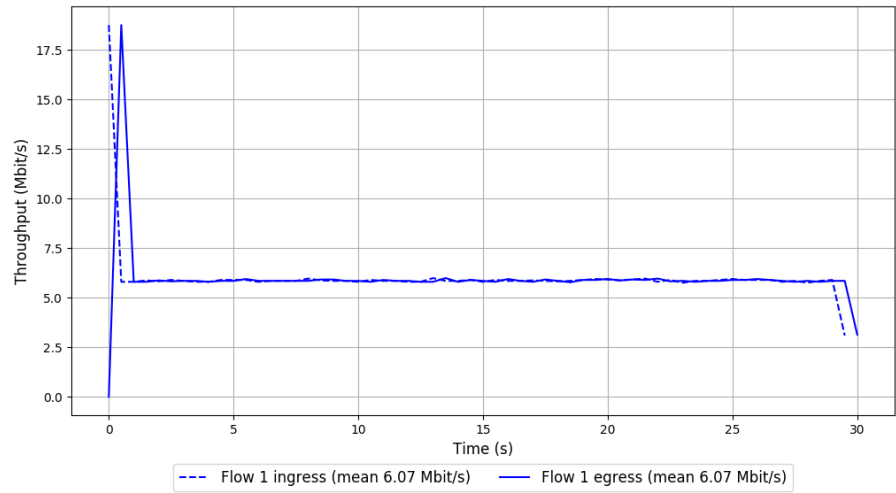
-- Flow 1:

Average throughput: 6.07 Mbit/s

95th percentile per-packet one-way delay: 2.339 ms

Loss rate: 0.00%

Run 4: Report of Muses_DecisionTreeH0 — Data Link



Run 5: Statistics of Muses_DecisionTreeH0

Start at: 2019-07-17 19:38:04

End at: 2019-07-17 19:38:34

Local clock offset: -5.403 ms

Remote clock offset: 0.355 ms

Below is generated by plot.py at 2019-07-17 19:49:03

Datalink statistics

-- Total of 1 flow:

Average throughput: 6.19 Mbit/s

95th percentile per-packet one-way delay: 2.132 ms

Loss rate: 0.00%

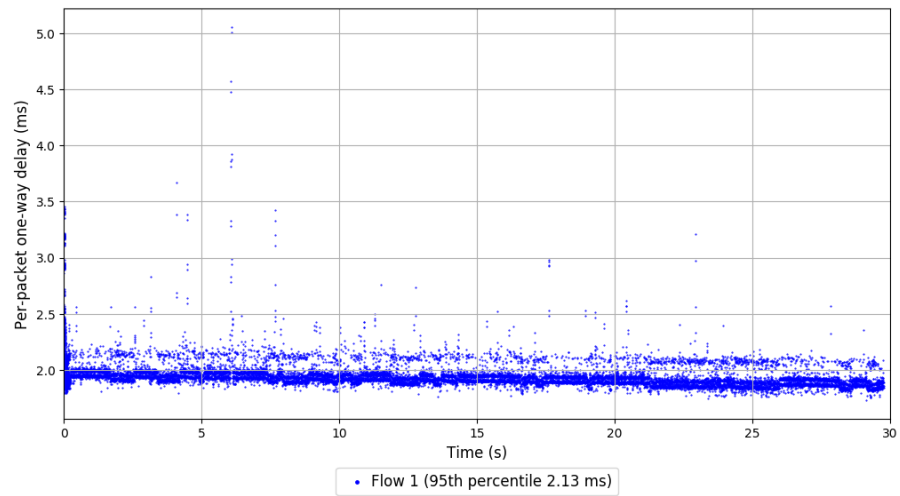
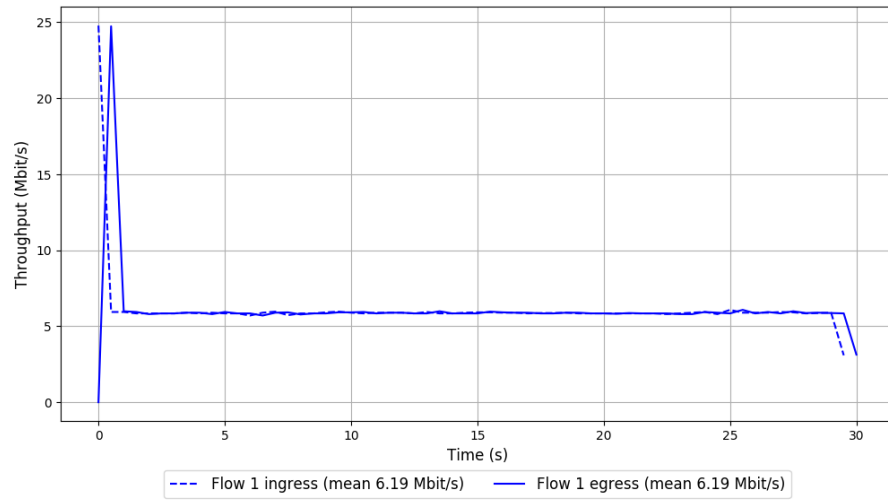
-- Flow 1:

Average throughput: 6.19 Mbit/s

95th percentile per-packet one-way delay: 2.132 ms

Loss rate: 0.00%

Run 5: Report of Muses_DecisionTreeH0 — Data Link

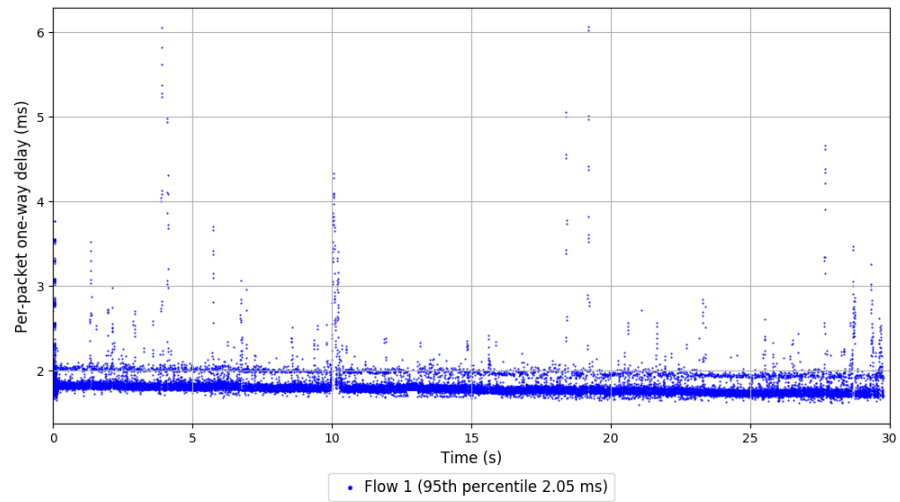
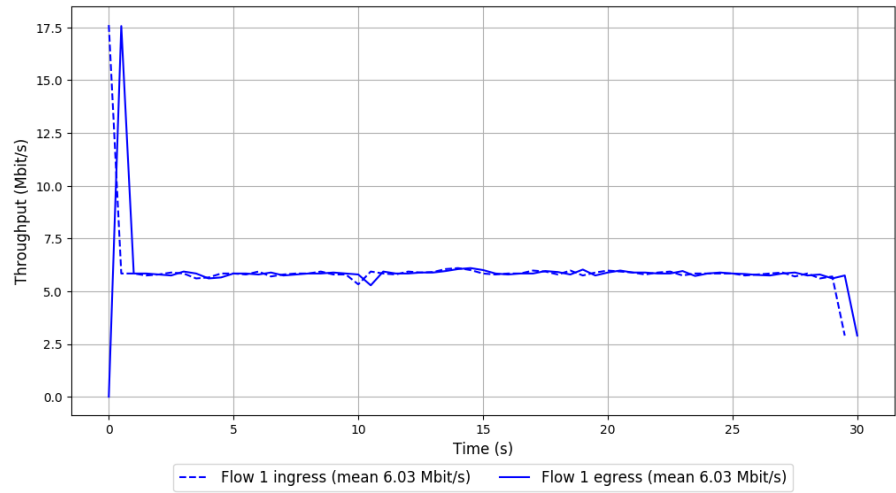


Run 1: Statistics of Muses_DecisionTreeR0

Start at: 2019-07-17 17:32:09
End at: 2019-07-17 17:32:39
Local clock offset: -3.364 ms
Remote clock offset: -0.075 ms

Below is generated by plot.py at 2019-07-17 19:49:03
Datalink statistics
-- Total of 1 flow:
Average throughput: 6.03 Mbit/s
95th percentile per-packet one-way delay: 2.054 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 6.03 Mbit/s
95th percentile per-packet one-way delay: 2.054 ms
Loss rate: 0.00%

Run 1: Report of Muses_DecisionTreeR0 — Data Link



Run 2: Statistics of Muses_DecisionTreeR0

Start at: 2019-07-17 17:58:49

End at: 2019-07-17 17:59:19

Local clock offset: -4.499 ms

Remote clock offset: 0.119 ms

Below is generated by plot.py at 2019-07-17 19:49:03

Datalink statistics

-- Total of 1 flow:

Average throughput: 6.12 Mbit/s

95th percentile per-packet one-way delay: 2.005 ms

Loss rate: 0.00%

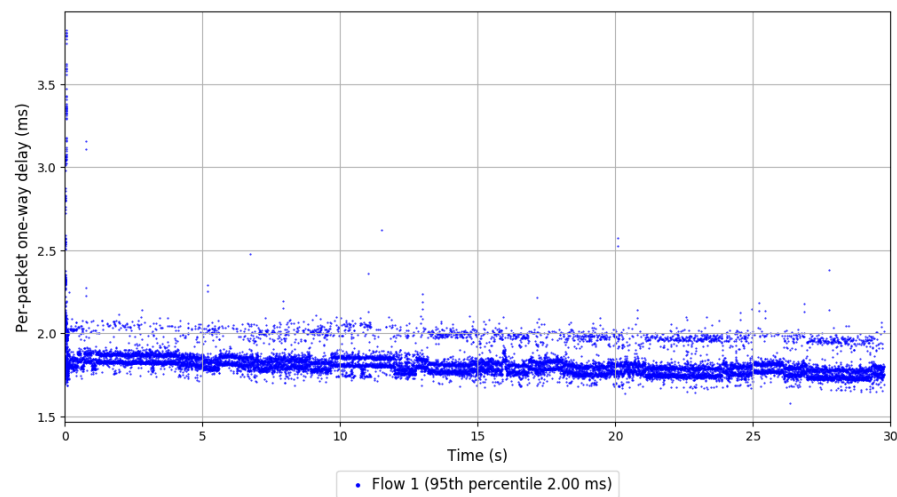
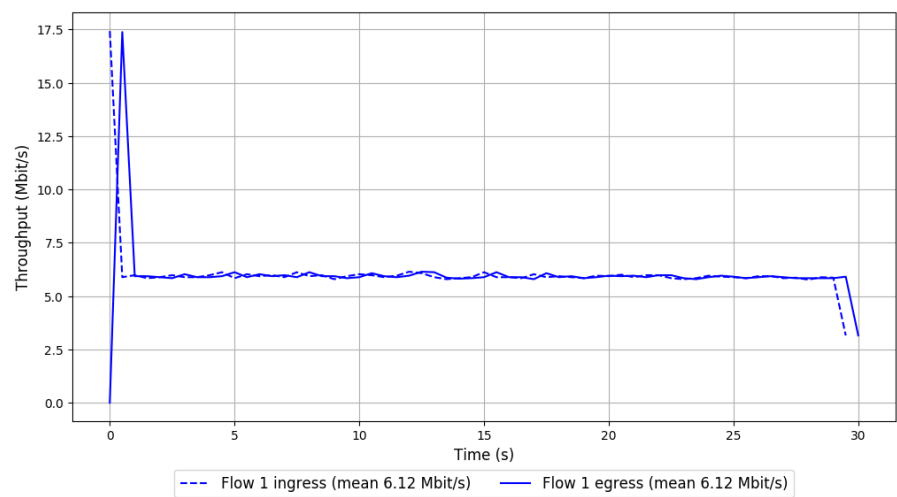
-- Flow 1:

Average throughput: 6.12 Mbit/s

95th percentile per-packet one-way delay: 2.005 ms

Loss rate: 0.00%

Run 2: Report of Muses_DecisionTreeR0 — Data Link



Run 3: Statistics of Muses_DecisionTreeR0

Start at: 2019-07-17 18:25:28

End at: 2019-07-17 18:25:58

Local clock offset: -4.964 ms

Remote clock offset: 0.298 ms

Below is generated by plot.py at 2019-07-17 19:49:03

Datalink statistics

-- Total of 1 flow:

Average throughput: 6.38 Mbit/s

95th percentile per-packet one-way delay: 2.112 ms

Loss rate: 0.00%

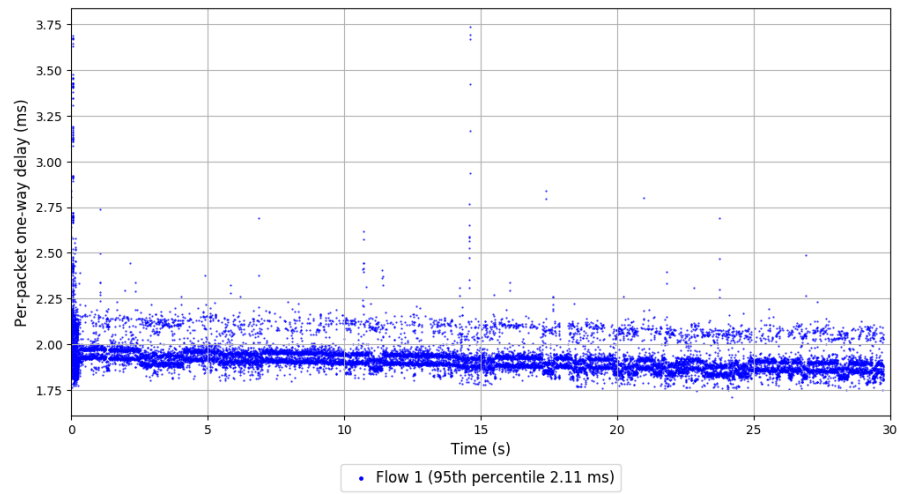
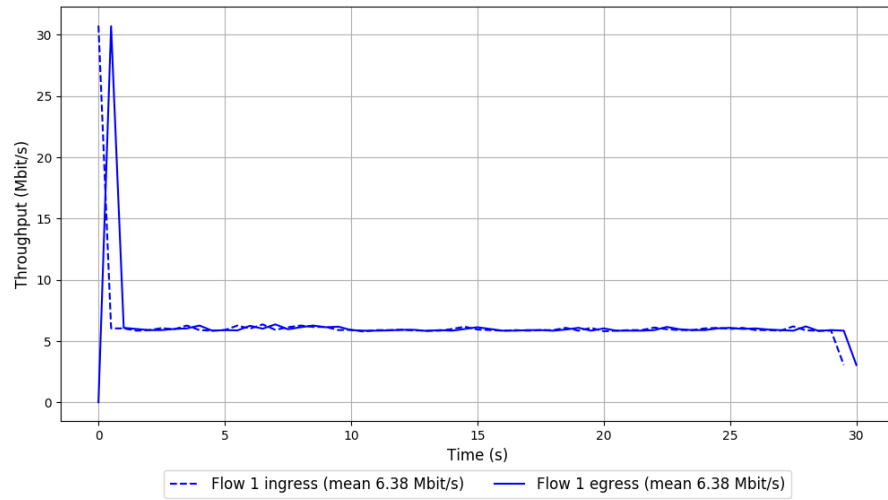
-- Flow 1:

Average throughput: 6.38 Mbit/s

95th percentile per-packet one-way delay: 2.112 ms

Loss rate: 0.00%

Run 3: Report of Muses_DecisionTreeR0 — Data Link



Run 4: Statistics of Muses_DecisionTreeR0

Start at: 2019-07-17 18:52:08

End at: 2019-07-17 18:52:38

Local clock offset: -5.885 ms

Remote clock offset: 0.349 ms

Below is generated by plot.py at 2019-07-17 19:49:03

Datalink statistics

-- Total of 1 flow:

Average throughput: 6.17 Mbit/s

95th percentile per-packet one-way delay: 2.229 ms

Loss rate: 0.00%

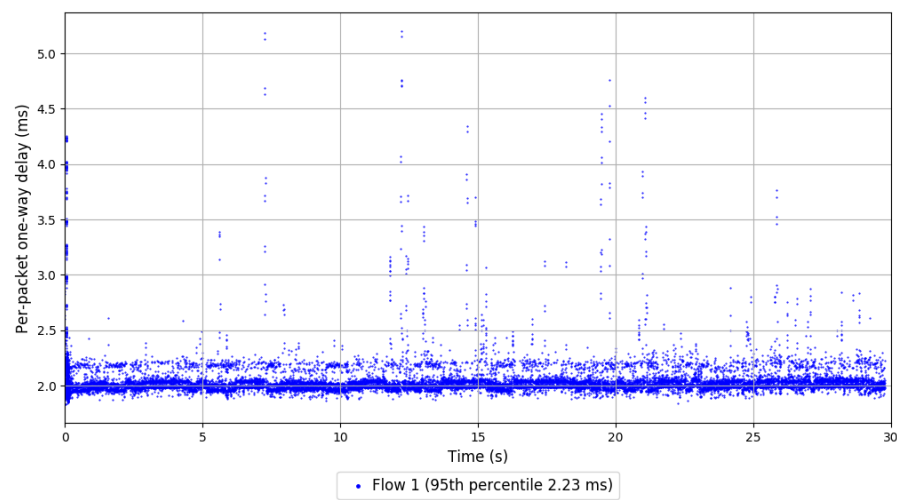
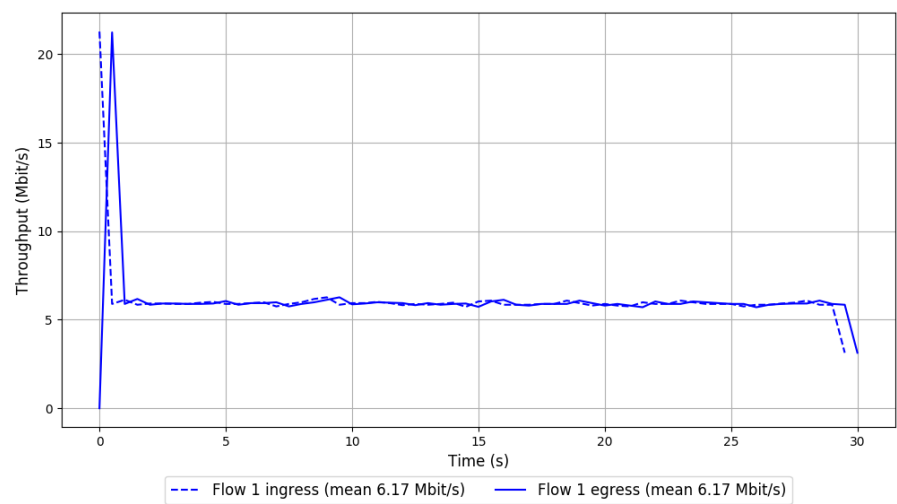
-- Flow 1:

Average throughput: 6.17 Mbit/s

95th percentile per-packet one-way delay: 2.229 ms

Loss rate: 0.00%

Run 4: Report of Muses_DecisionTreeR0 — Data Link

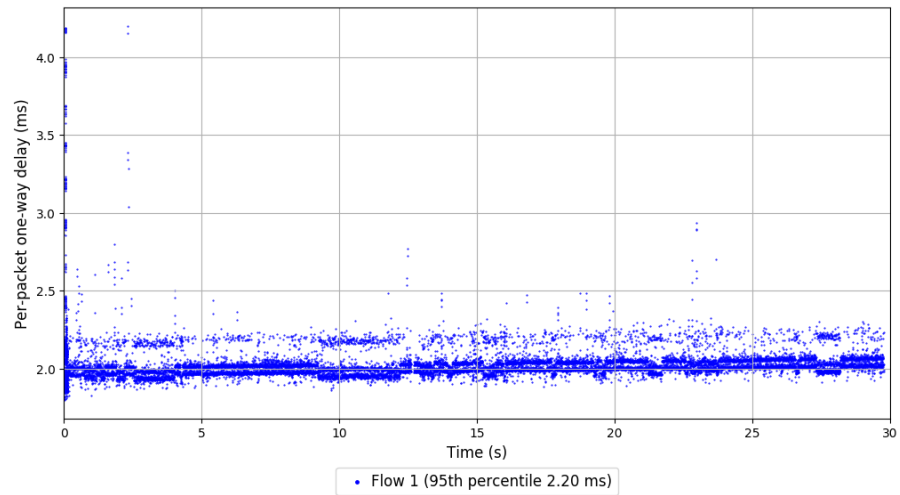
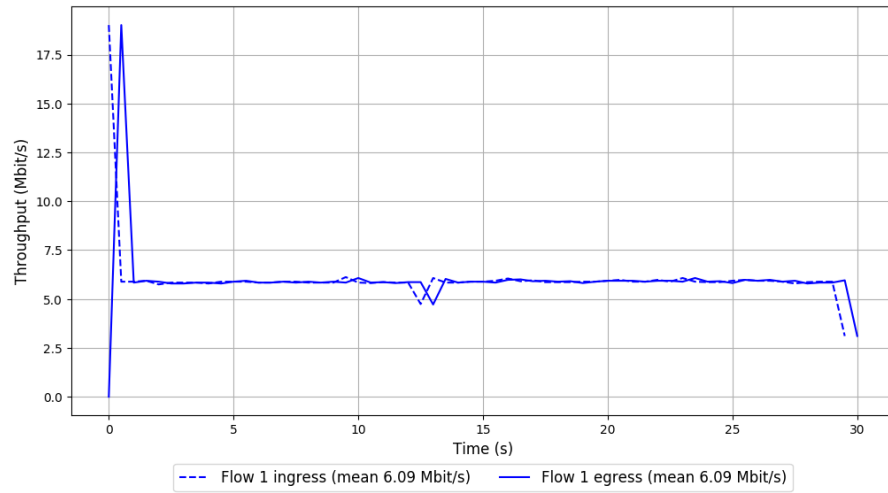


```
Run 5: Statistics of Muses\_DecisionTreeR0

Start at: 2019-07-17 19:18:48
End at: 2019-07-17 19:19:19
Local clock offset: -0.257 ms
Remote clock offset: 0.367 ms

# Below is generated by plot.py at 2019-07-17 19:49:03
# Datalink statistics
-- Total of 1 flow:
Average throughput: 6.09 Mbit/s
95th percentile per-packet one-way delay: 2.203 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 6.09 Mbit/s
95th percentile per-packet one-way delay: 2.203 ms
Loss rate: 0.01%
```

Run 5: Report of Muses_DecisionTreeR0 — Data Link



Run 1: Statistics of PCC-Allegro

Start at: 2019-07-17 17:31:02

End at: 2019-07-17 17:31:32

Local clock offset: -3.089 ms

Remote clock offset: -0.094 ms

Below is generated by plot.py at 2019-07-17 19:49:34

Datalink statistics

-- Total of 1 flow:

Average throughput: 79.57 Mbit/s

95th percentile per-packet one-way delay: 7.786 ms

Loss rate: 0.00%

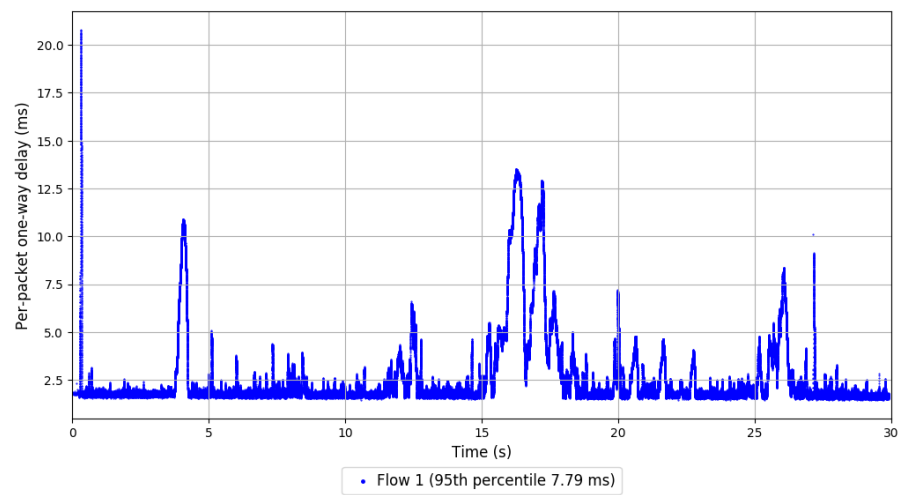
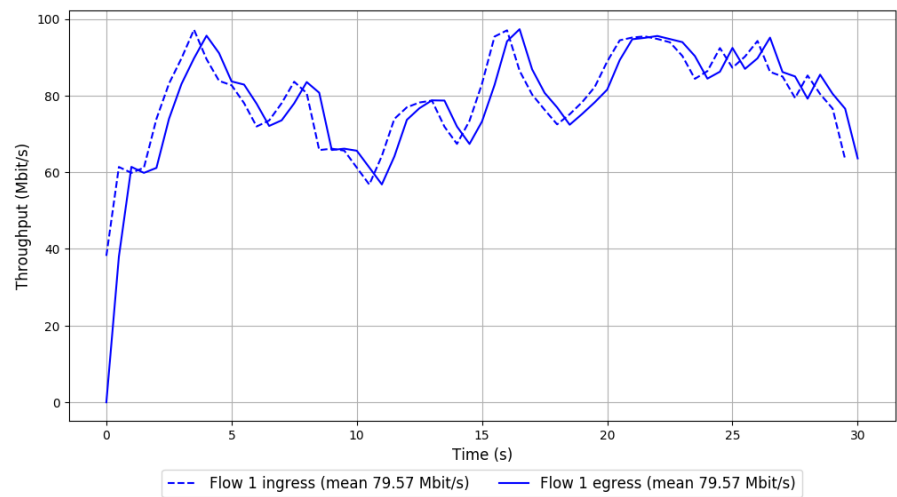
-- Flow 1:

Average throughput: 79.57 Mbit/s

95th percentile per-packet one-way delay: 7.786 ms

Loss rate: 0.00%

Run 1: Report of PCC-Allegro — Data Link



Run 2: Statistics of PCC-Allegro

Start at: 2019-07-17 17:57:42

End at: 2019-07-17 17:58:12

Local clock offset: -4.348 ms

Remote clock offset: 0.101 ms

Below is generated by plot.py at 2019-07-17 19:49:35

Datalink statistics

-- Total of 1 flow:

Average throughput: 78.43 Mbit/s

95th percentile per-packet one-way delay: 2.050 ms

Loss rate: 0.00%

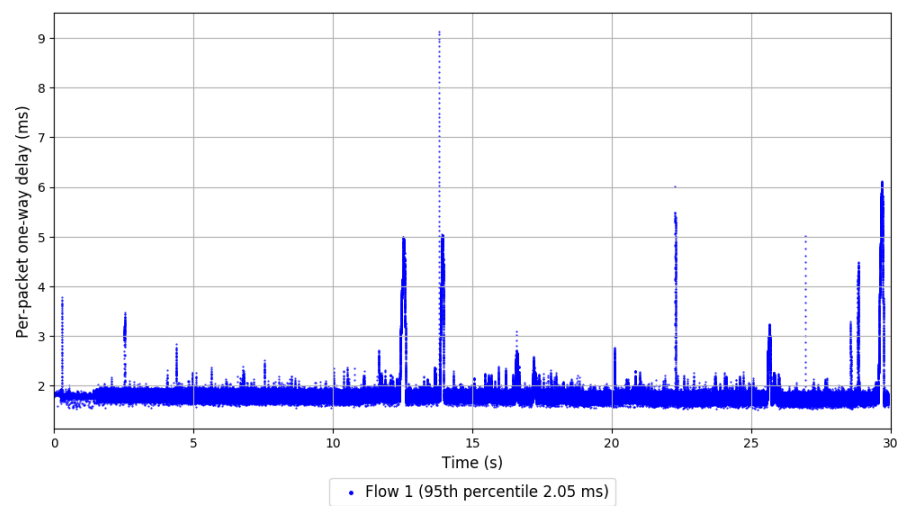
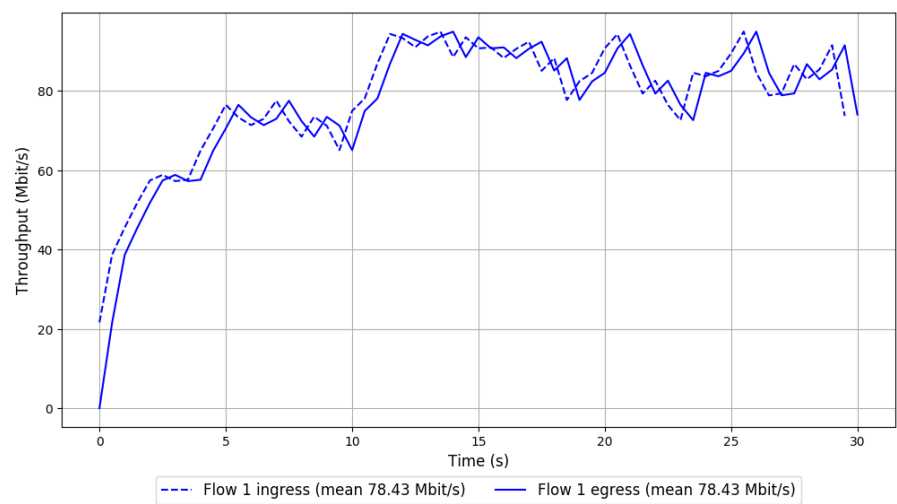
-- Flow 1:

Average throughput: 78.43 Mbit/s

95th percentile per-packet one-way delay: 2.050 ms

Loss rate: 0.00%

Run 2: Report of PCC-Allegro — Data Link



Run 3: Statistics of PCC-Allegro

Start at: 2019-07-17 18:24:22

End at: 2019-07-17 18:24:52

Local clock offset: -4.891 ms

Remote clock offset: 0.277 ms

Below is generated by plot.py at 2019-07-17 19:49:36

Datalink statistics

-- Total of 1 flow:

Average throughput: 80.02 Mbit/s

95th percentile per-packet one-way delay: 3.811 ms

Loss rate: 0.00%

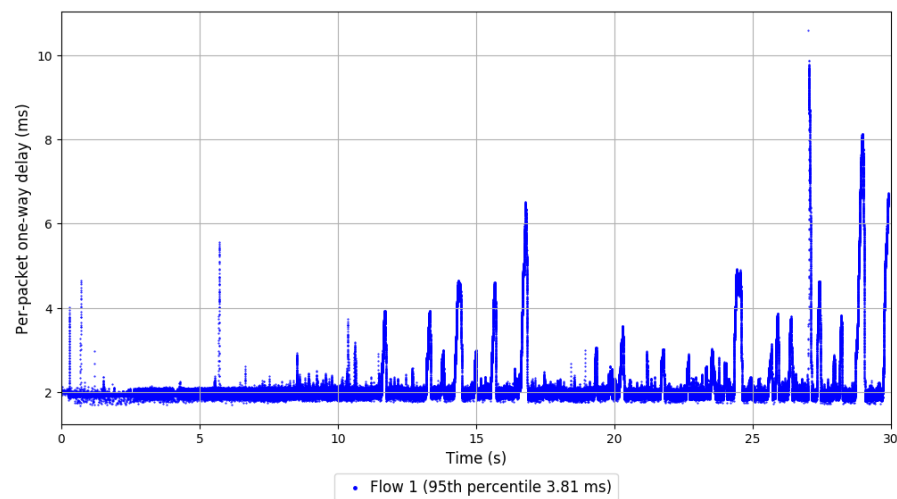
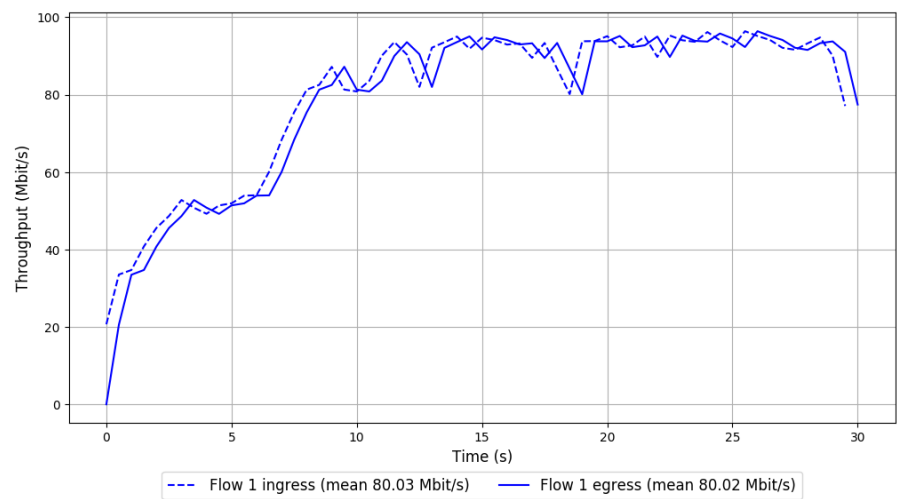
-- Flow 1:

Average throughput: 80.02 Mbit/s

95th percentile per-packet one-way delay: 3.811 ms

Loss rate: 0.00%

Run 3: Report of PCC-Allegro — Data Link



Run 4: Statistics of PCC-Allegro

Start at: 2019-07-17 18:51:01

End at: 2019-07-17 18:51:31

Local clock offset: -5.89 ms

Remote clock offset: 0.404 ms

Below is generated by plot.py at 2019-07-17 19:49:43

Datalink statistics

-- Total of 1 flow:

Average throughput: 83.19 Mbit/s

95th percentile per-packet one-way delay: 3.645 ms

Loss rate: 0.00%

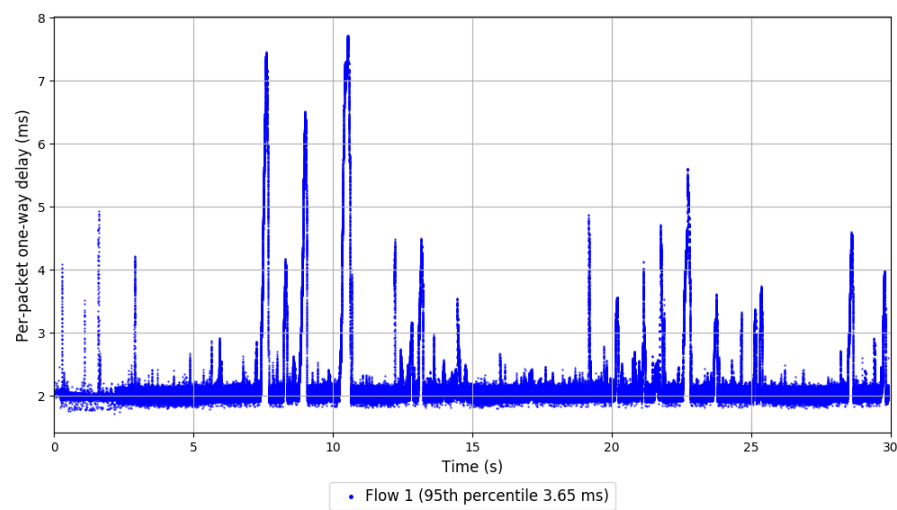
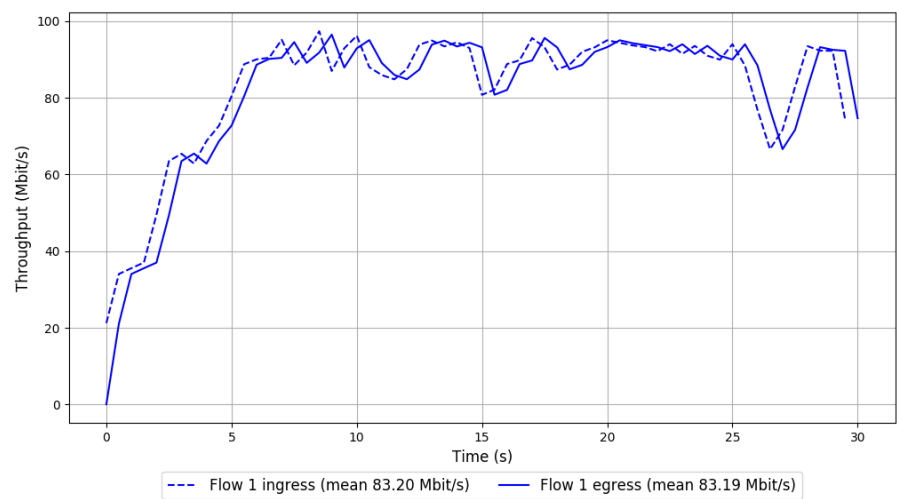
-- Flow 1:

Average throughput: 83.19 Mbit/s

95th percentile per-packet one-way delay: 3.645 ms

Loss rate: 0.00%

Run 4: Report of PCC-Allegro — Data Link



Run 5: Statistics of PCC-Allegro

Start at: 2019-07-17 19:17:42

End at: 2019-07-17 19:18:12

Local clock offset: -0.468 ms

Remote clock offset: 0.455 ms

Below is generated by plot.py at 2019-07-17 19:49:44

Datalink statistics

-- Total of 1 flow:

Average throughput: 83.03 Mbit/s

95th percentile per-packet one-way delay: 3.348 ms

Loss rate: 0.00%

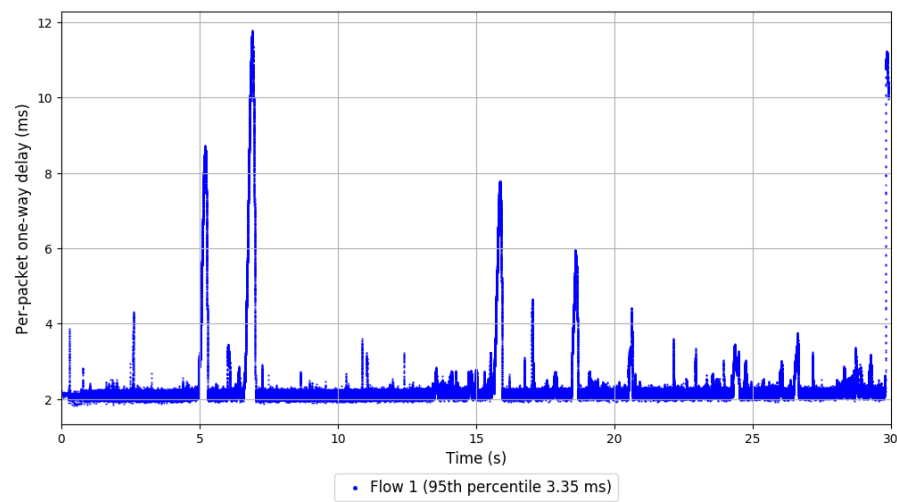
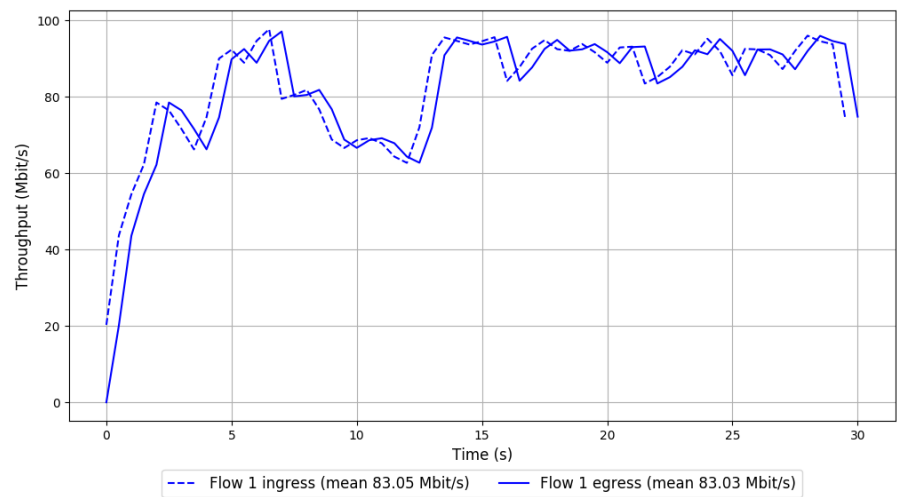
-- Flow 1:

Average throughput: 83.03 Mbit/s

95th percentile per-packet one-way delay: 3.348 ms

Loss rate: 0.00%

Run 5: Report of PCC-Allegro — Data Link



Run 1: Statistics of PCC-Expr

Start at: 2019-07-17 17:48:45

End at: 2019-07-17 17:49:15

Local clock offset: -4.155 ms

Remote clock offset: 0.111 ms

Below is generated by plot.py at 2019-07-17 19:49:44

Datalink statistics

-- Total of 1 flow:

Average throughput: 11.12 Mbit/s

95th percentile per-packet one-way delay: 5.472 ms

Loss rate: 49.03%

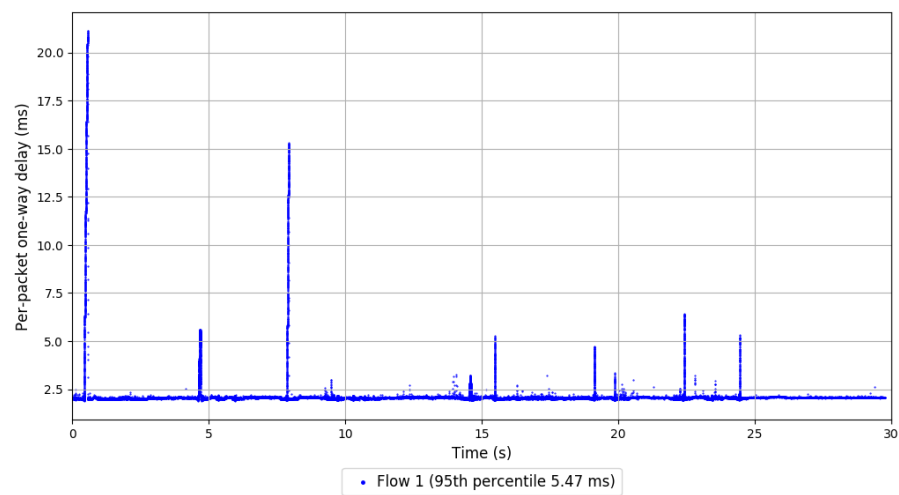
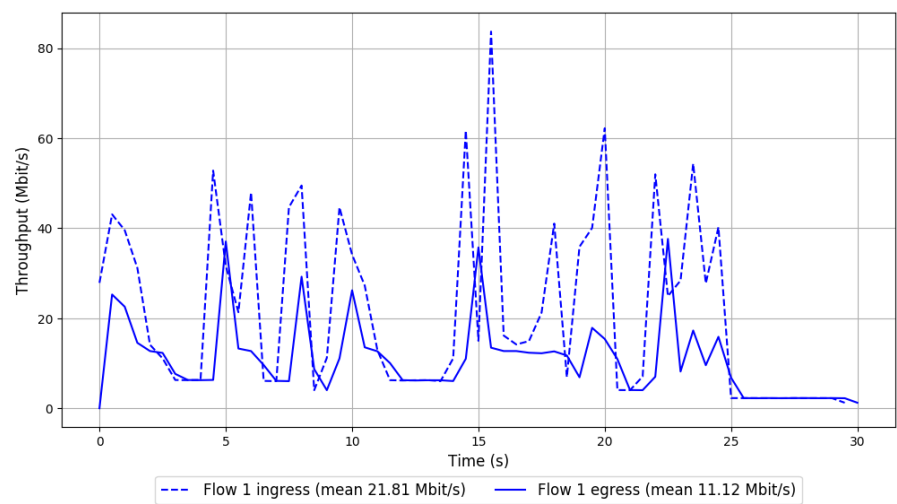
-- Flow 1:

Average throughput: 11.12 Mbit/s

95th percentile per-packet one-way delay: 5.472 ms

Loss rate: 49.03%

Run 1: Report of PCC-Expr — Data Link



Run 2: Statistics of PCC-Expr

Start at: 2019-07-17 18:15:25

End at: 2019-07-17 18:15:55

Local clock offset: -5.188 ms

Remote clock offset: 0.154 ms

Below is generated by plot.py at 2019-07-17 19:49:44

Datalink statistics

-- Total of 1 flow:

Average throughput: 4.01 Mbit/s

95th percentile per-packet one-way delay: 1.974 ms

Loss rate: 16.73%

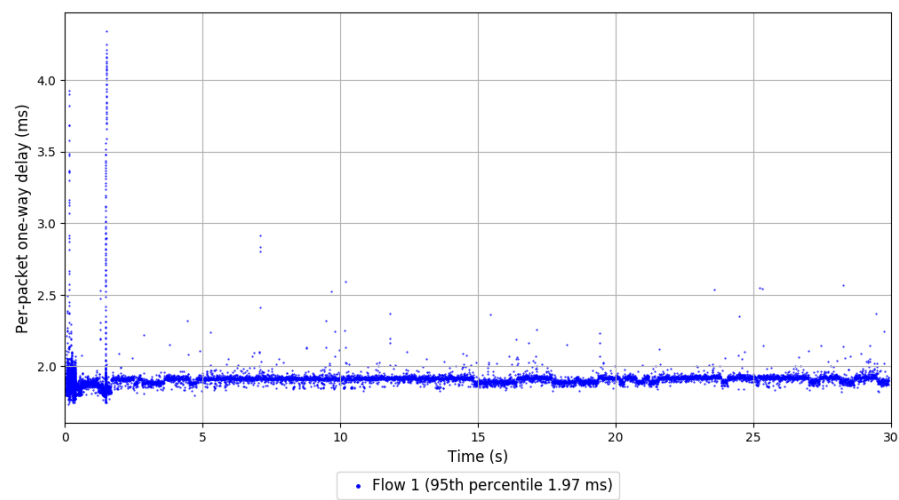
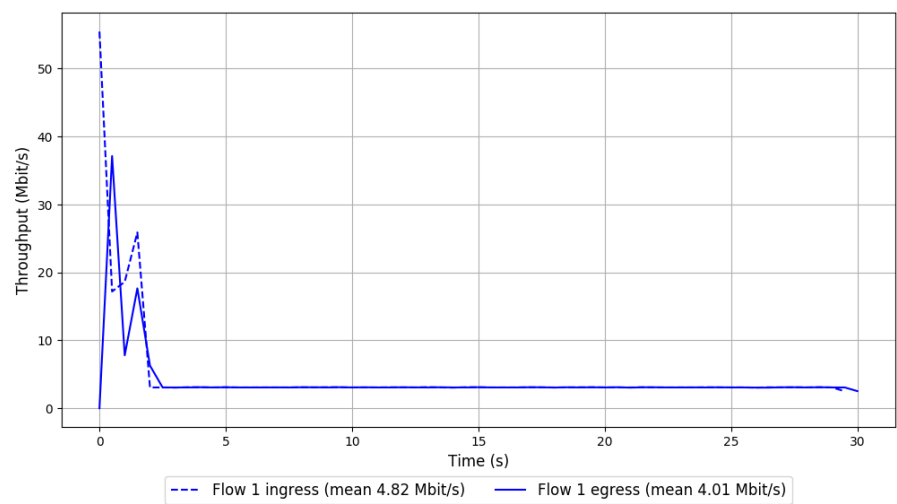
-- Flow 1:

Average throughput: 4.01 Mbit/s

95th percentile per-packet one-way delay: 1.974 ms

Loss rate: 16.73%

Run 2: Report of PCC-Expr — Data Link



Run 3: Statistics of PCC-Expr

Start at: 2019-07-17 18:42:05

End at: 2019-07-17 18:42:35

Local clock offset: -5.939 ms

Remote clock offset: 0.341 ms

Below is generated by plot.py at 2019-07-17 19:49:44

Datalink statistics

-- Total of 1 flow:

Average throughput: 8.37 Mbit/s

95th percentile per-packet one-way delay: 6.150 ms

Loss rate: 16.72%

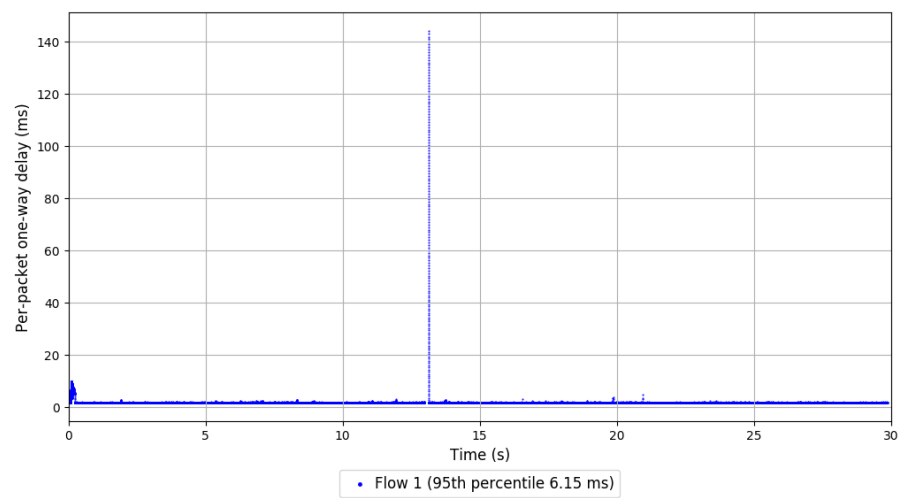
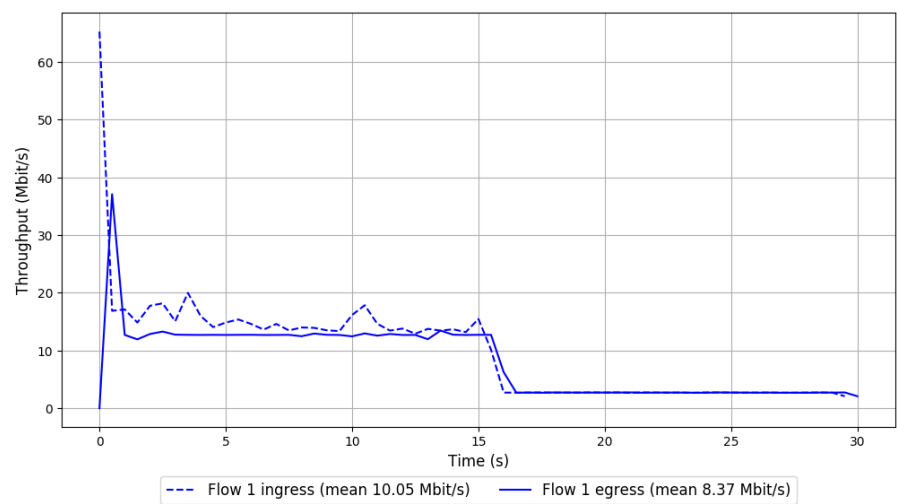
-- Flow 1:

Average throughput: 8.37 Mbit/s

95th percentile per-packet one-way delay: 6.150 ms

Loss rate: 16.72%

Run 3: Report of PCC-Expr — Data Link



Run 4: Statistics of PCC-Expr

Start at: 2019-07-17 19:08:44

End at: 2019-07-17 19:09:14

Local clock offset: -1.609 ms

Remote clock offset: 0.361 ms

Below is generated by plot.py at 2019-07-17 19:49:44

Datalink statistics

-- Total of 1 flow:

Average throughput: 12.61 Mbit/s

95th percentile per-packet one-way delay: 8.132 ms

Loss rate: 41.72%

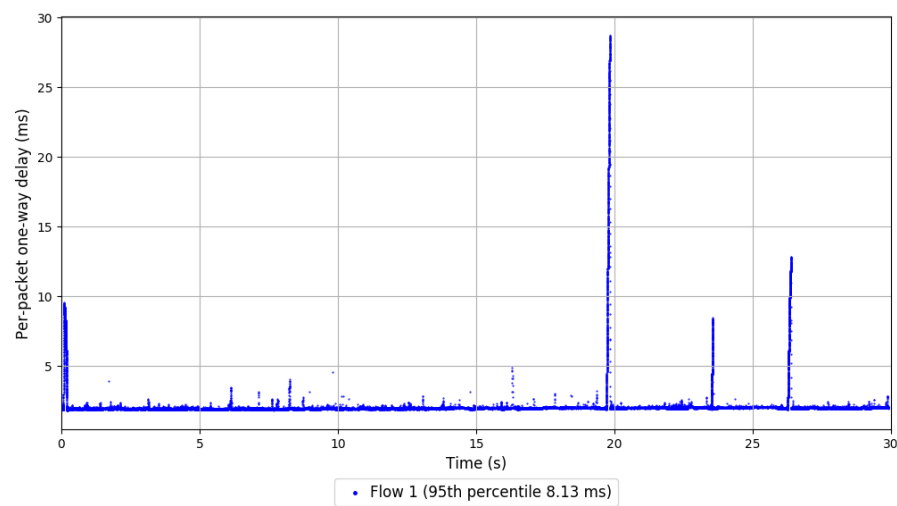
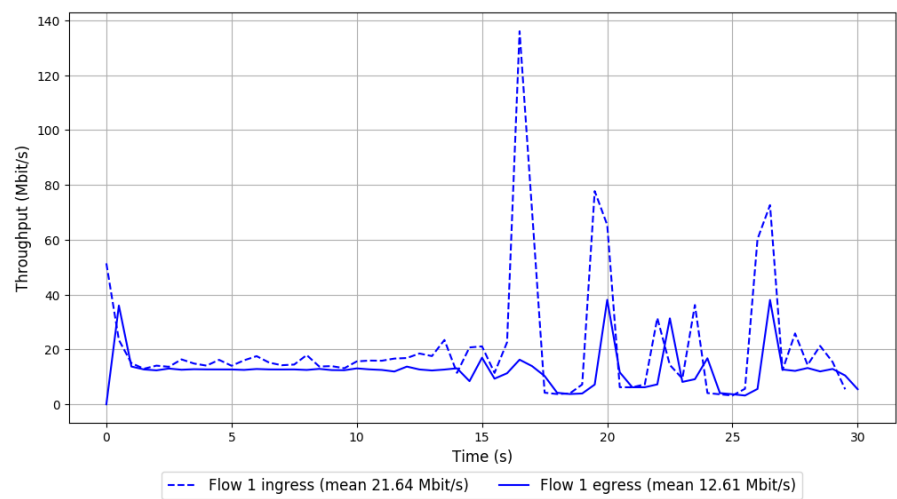
-- Flow 1:

Average throughput: 12.61 Mbit/s

95th percentile per-packet one-way delay: 8.132 ms

Loss rate: 41.72%

Run 4: Report of PCC-Expr — Data Link



Run 5: Statistics of PCC-Expr

Start at: 2019-07-17 19:35:52

End at: 2019-07-17 19:36:22

Local clock offset: -4.913 ms

Remote clock offset: 0.338 ms

Below is generated by plot.py at 2019-07-17 19:49:44

Datalink statistics

-- Total of 1 flow:

Average throughput: 13.11 Mbit/s

95th percentile per-packet one-way delay: 2.044 ms

Loss rate: 41.01%

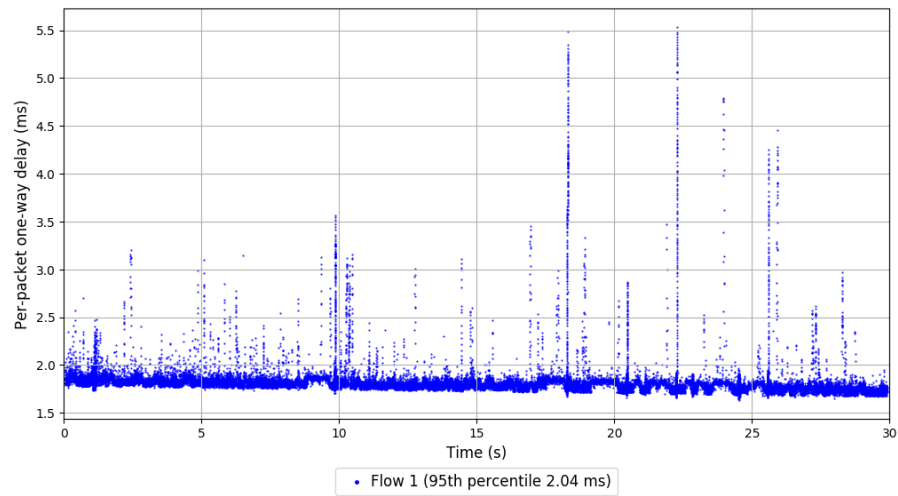
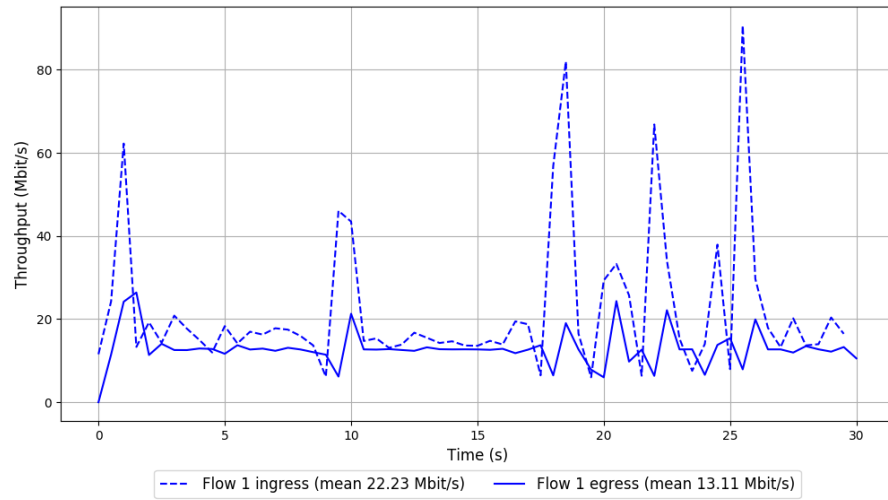
-- Flow 1:

Average throughput: 13.11 Mbit/s

95th percentile per-packet one-way delay: 2.044 ms

Loss rate: 41.01%

Run 5: Report of PCC-Expr — Data Link



Run 1: Statistics of QUIC Cubic

Start at: 2019-07-17 17:49:50

End at: 2019-07-17 17:50:20

Local clock offset: -4.046 ms

Remote clock offset: 0.119 ms

Below is generated by plot.py at 2019-07-17 19:50:14

Datalink statistics

-- Total of 1 flow:

Average throughput: 75.92 Mbit/s

95th percentile per-packet one-way delay: 6.002 ms

Loss rate: 0.01%

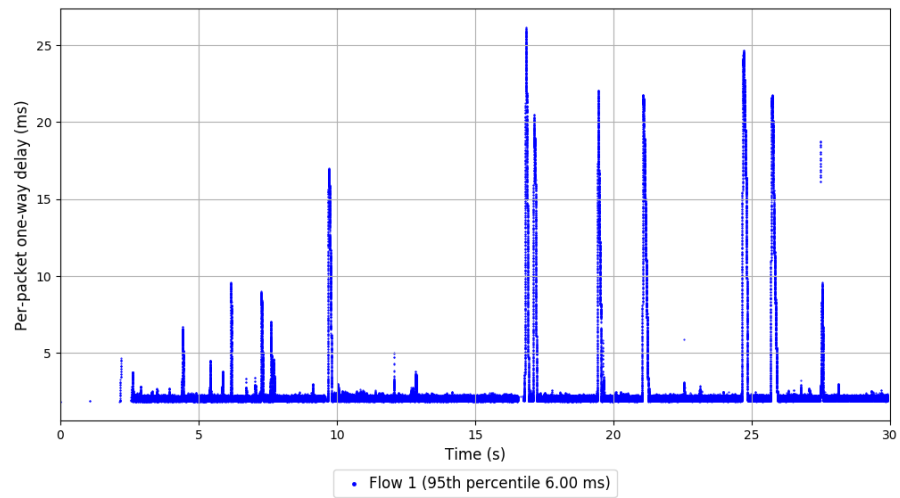
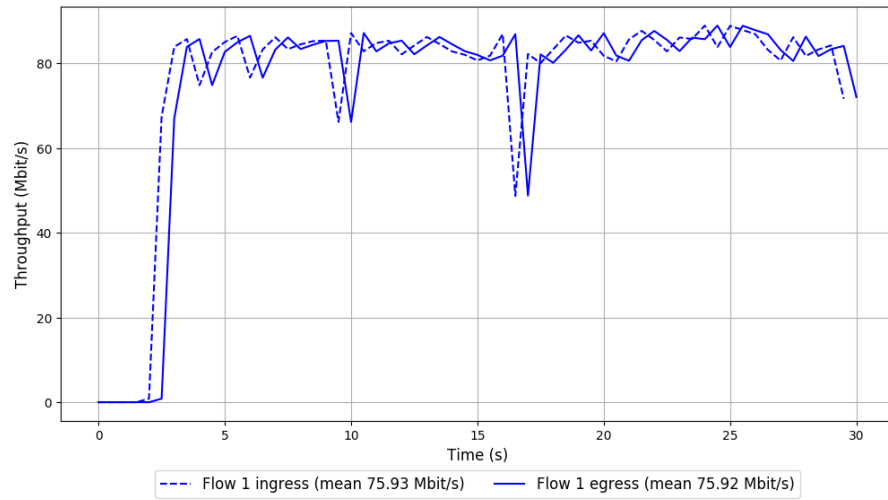
-- Flow 1:

Average throughput: 75.92 Mbit/s

95th percentile per-packet one-way delay: 6.002 ms

Loss rate: 0.01%

Run 1: Report of QUIC Cubic — Data Link



Run 2: Statistics of QUIC Cubic

Start at: 2019-07-17 18:16:30

End at: 2019-07-17 18:17:00

Local clock offset: -5.165 ms

Remote clock offset: 0.258 ms

Below is generated by plot.py at 2019-07-17 19:50:30

Datalink statistics

-- Total of 1 flow:

Average throughput: 79.28 Mbit/s

95th percentile per-packet one-way delay: 3.096 ms

Loss rate: 0.28%

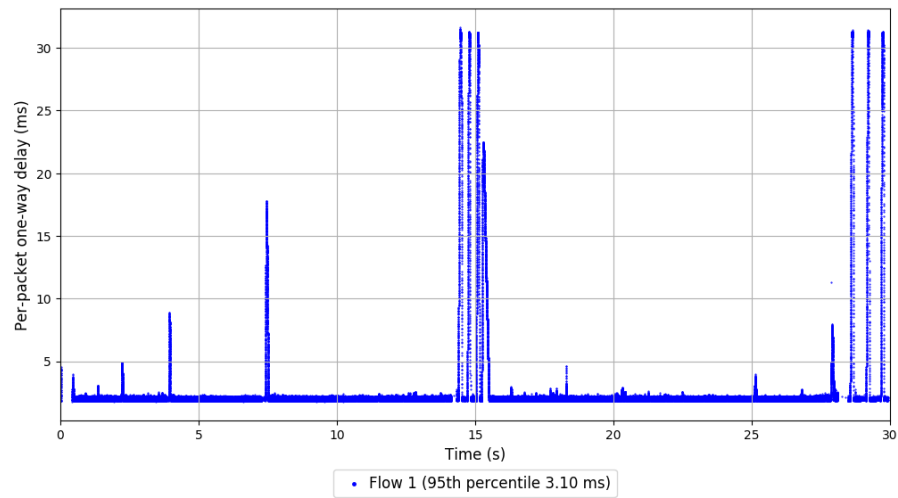
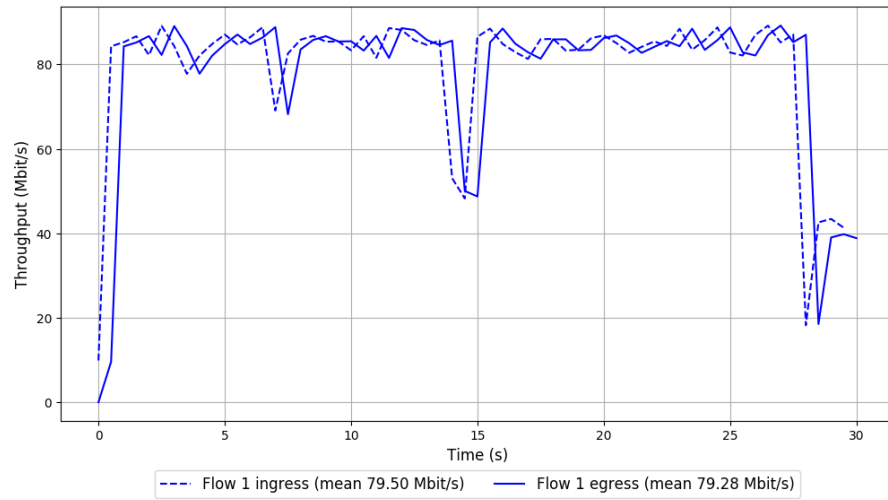
-- Flow 1:

Average throughput: 79.28 Mbit/s

95th percentile per-packet one-way delay: 3.096 ms

Loss rate: 0.28%

Run 2: Report of QUIC Cubic — Data Link



Run 3: Statistics of QUIC Cubic

Start at: 2019-07-17 18:43:09

End at: 2019-07-17 18:43:39

Local clock offset: -5.943 ms

Remote clock offset: 0.388 ms

Below is generated by plot.py at 2019-07-17 19:50:30

Datalink statistics

-- Total of 1 flow:

Average throughput: 77.28 Mbit/s

95th percentile per-packet one-way delay: 3.170 ms

Loss rate: 0.34%

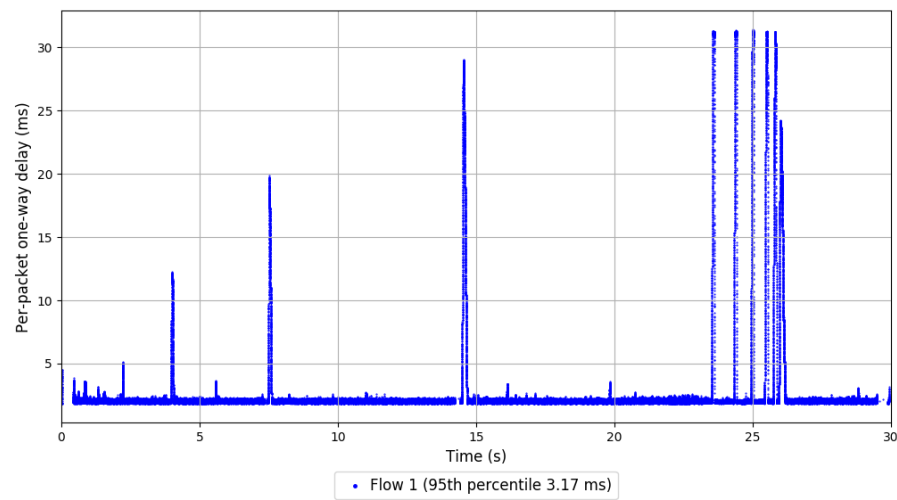
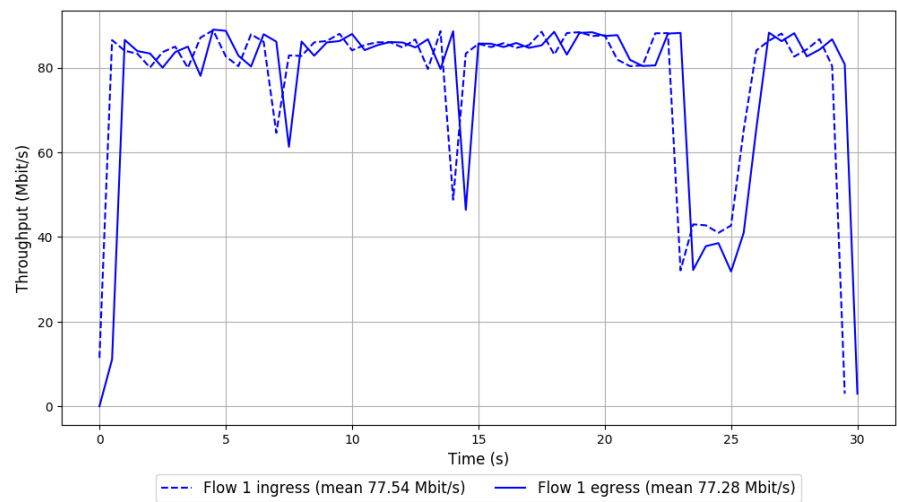
-- Flow 1:

Average throughput: 77.28 Mbit/s

95th percentile per-packet one-way delay: 3.170 ms

Loss rate: 0.34%

Run 3: Report of QUIC Cubic — Data Link



Run 4: Statistics of QUIC Cubic

Start at: 2019-07-17 19:09:49

End at: 2019-07-17 19:10:19

Local clock offset: -1.462 ms

Remote clock offset: 0.386 ms

Below is generated by plot.py at 2019-07-17 19:50:43

Datalink statistics

-- Total of 1 flow:

Average throughput: 78.34 Mbit/s

95th percentile per-packet one-way delay: 2.714 ms

Loss rate: 0.19%

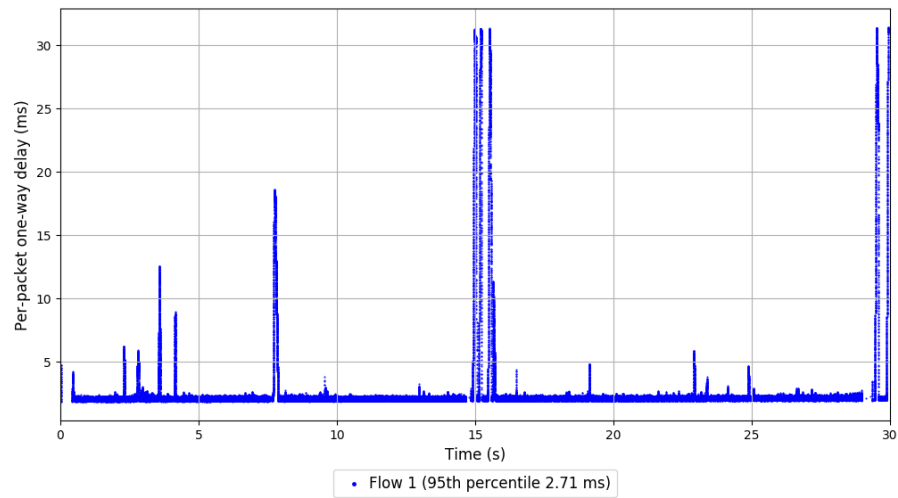
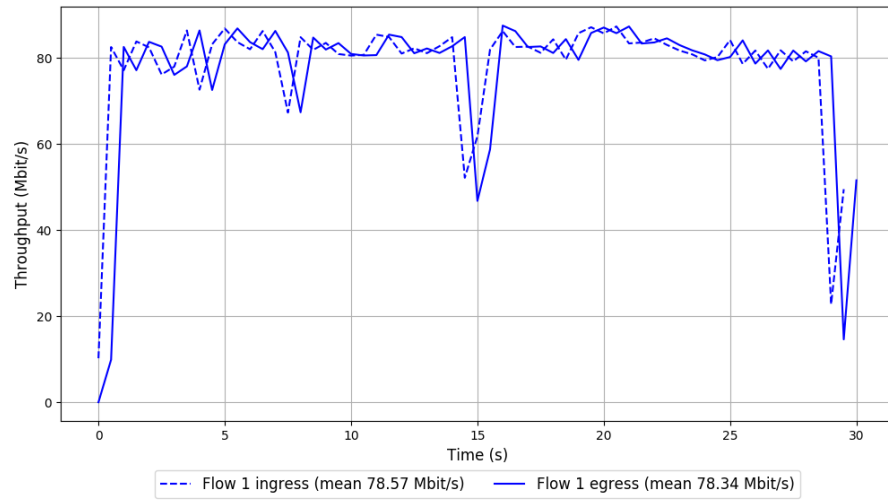
-- Flow 1:

Average throughput: 78.34 Mbit/s

95th percentile per-packet one-way delay: 2.714 ms

Loss rate: 0.19%

Run 4: Report of QUIC Cubic — Data Link



Run 5: Statistics of QUIC Cubic

Start at: 2019-07-17 19:36:57

End at: 2019-07-17 19:37:27

Local clock offset: -5.15 ms

Remote clock offset: 0.209 ms

Below is generated by plot.py at 2019-07-17 19:50:43

Datalink statistics

-- Total of 1 flow:

Average throughput: 76.93 Mbit/s

95th percentile per-packet one-way delay: 3.500 ms

Loss rate: 0.34%

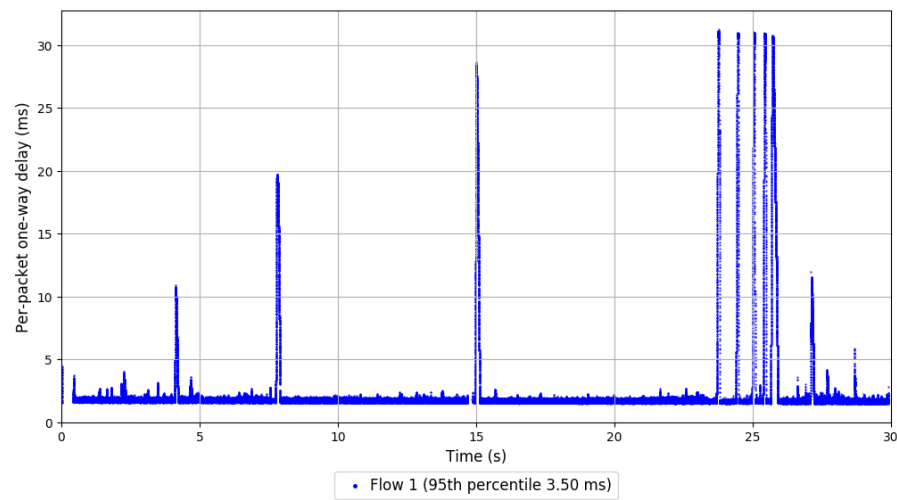
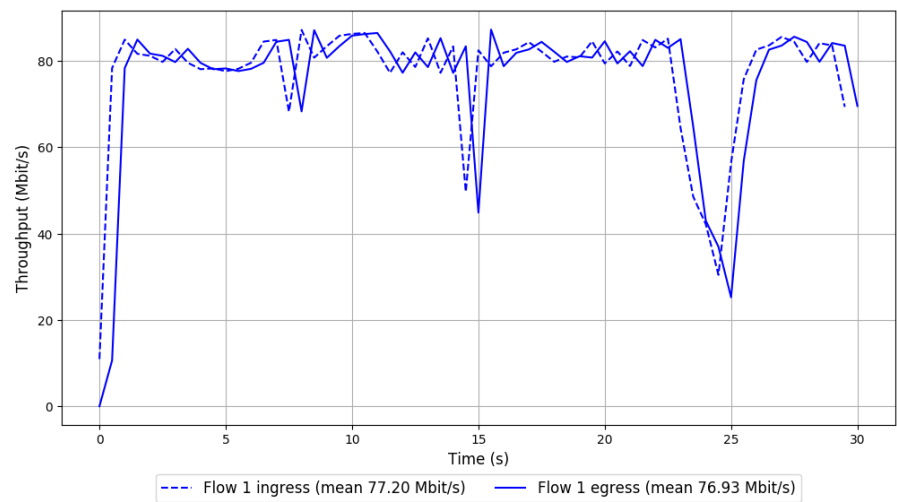
-- Flow 1:

Average throughput: 76.93 Mbit/s

95th percentile per-packet one-way delay: 3.500 ms

Loss rate: 0.34%

Run 5: Report of QUIC Cubic — Data Link



Run 1: Statistics of SCReAM

Start at: 2019-07-17 17:33:13

End at: 2019-07-17 17:33:43

Local clock offset: -3.663 ms

Remote clock offset: 0.007 ms

Below is generated by plot.py at 2019-07-17 19:50:43

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 2.375 ms

Loss rate: 0.00%

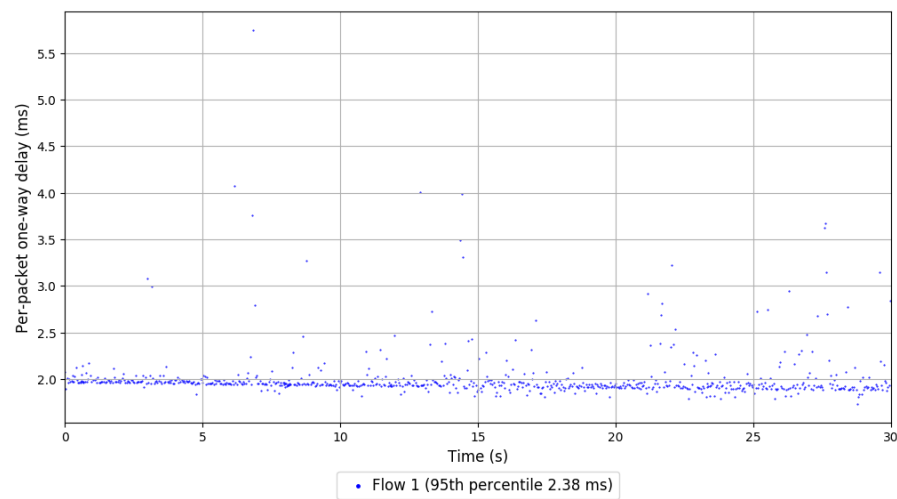
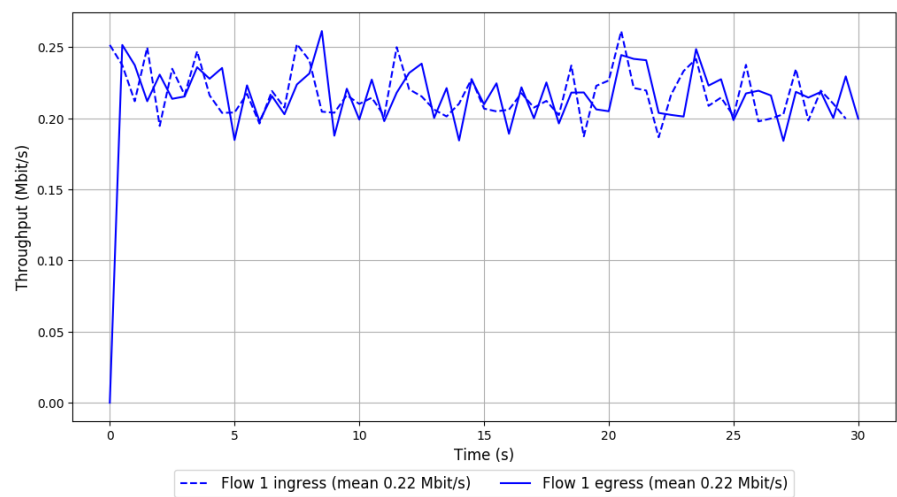
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 2.375 ms

Loss rate: 0.00%

Run 1: Report of SReAM — Data Link



Run 2: Statistics of SCReAM

Start at: 2019-07-17 17:59:53

End at: 2019-07-17 18:00:23

Local clock offset: -4.753 ms

Remote clock offset: 0.133 ms

Below is generated by plot.py at 2019-07-17 19:50:43

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 1.943 ms

Loss rate: 0.00%

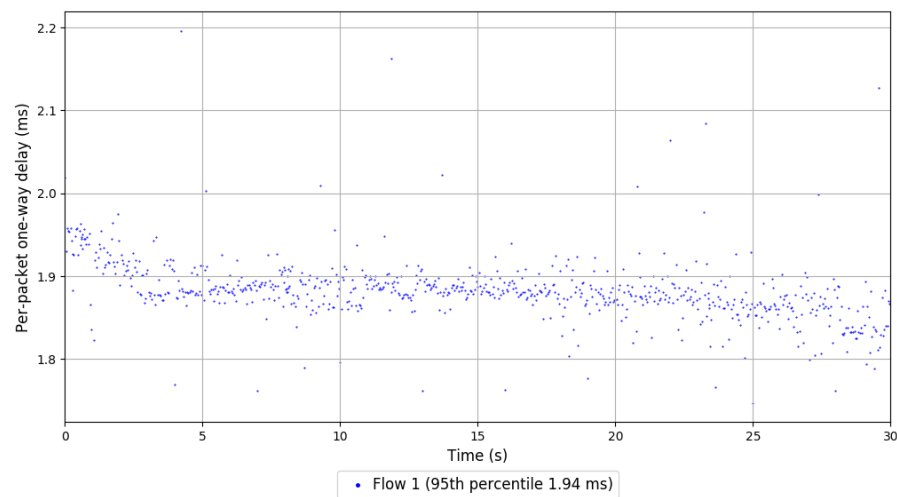
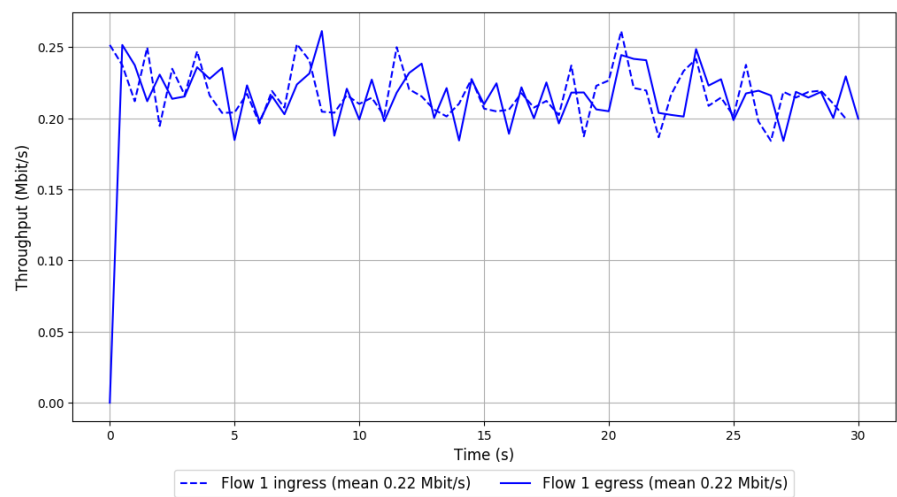
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 1.943 ms

Loss rate: 0.00%

Run 2: Report of SReAM — Data Link



Run 3: Statistics of SCReAM

Start at: 2019-07-17 18:26:33

End at: 2019-07-17 18:27:03

Local clock offset: -5.193 ms

Remote clock offset: 0.163 ms

Below is generated by plot.py at 2019-07-17 19:50:43

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 1.873 ms

Loss rate: 0.00%

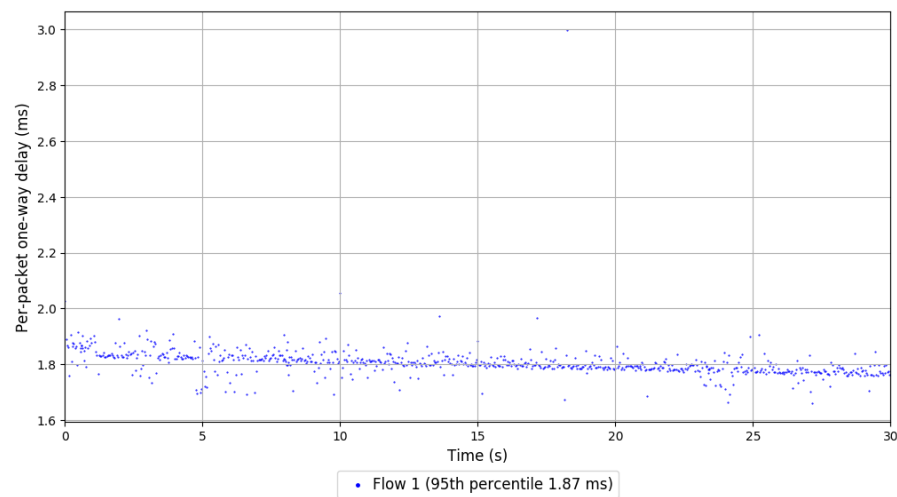
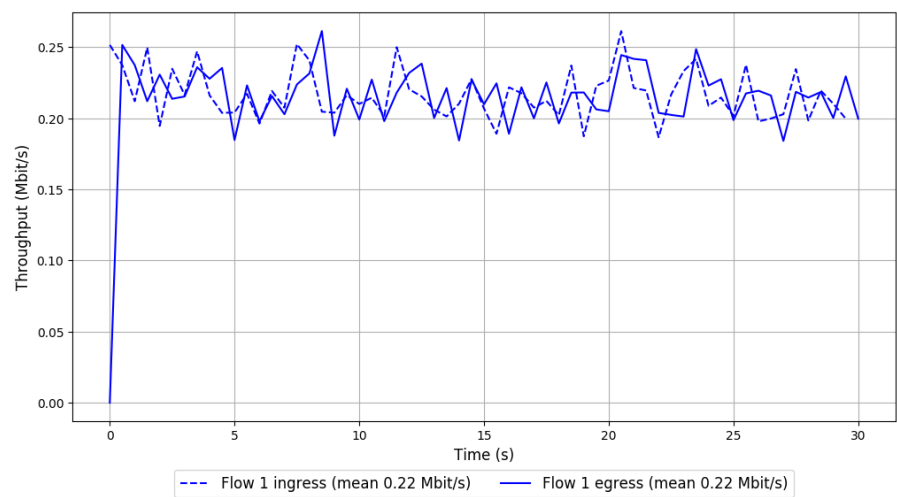
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 1.873 ms

Loss rate: 0.00%

Run 3: Report of SReAM — Data Link



Run 4: Statistics of SCReAM

Start at: 2019-07-17 18:53:12

End at: 2019-07-17 18:53:42

Local clock offset: -5.789 ms

Remote clock offset: 0.348 ms

Below is generated by plot.py at 2019-07-17 19:50:43

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 1.953 ms

Loss rate: 0.00%

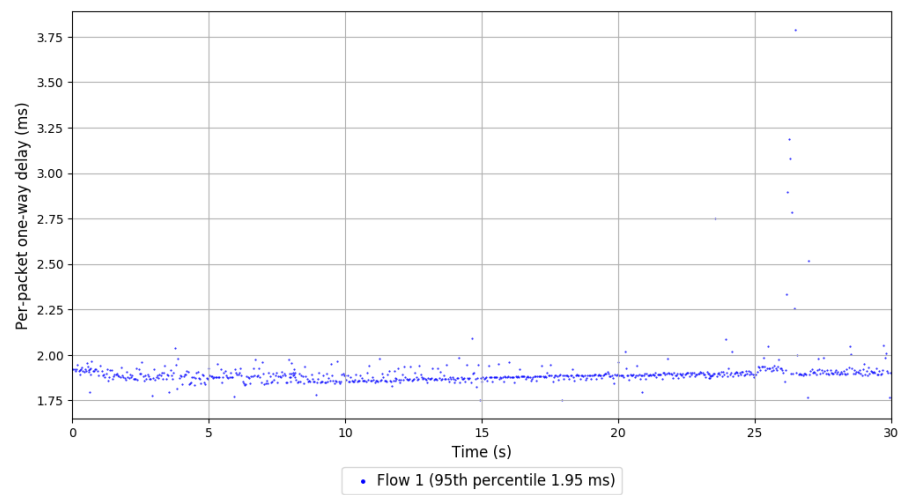
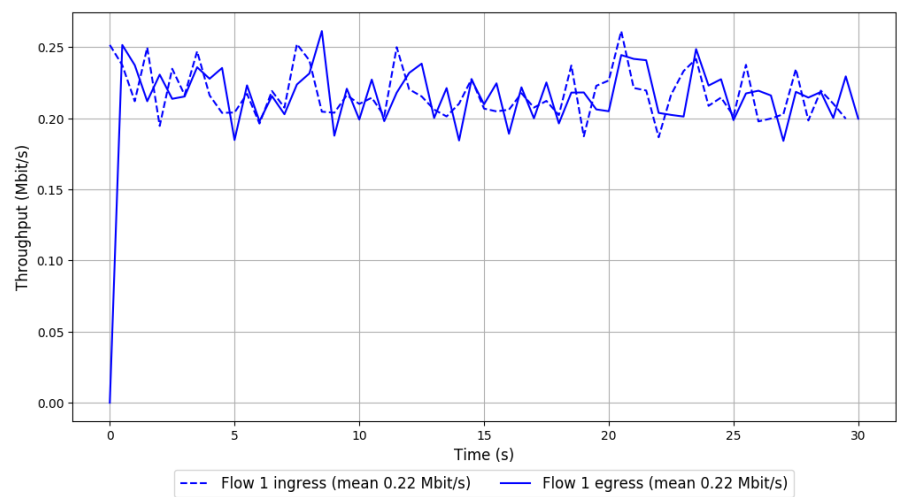
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 1.953 ms

Loss rate: 0.00%

Run 4: Report of SReAM — Data Link



Run 5: Statistics of SCReAM

Start at: 2019-07-17 19:20:06

End at: 2019-07-17 19:20:36

Local clock offset: -0.139 ms

Remote clock offset: 0.358 ms

Below is generated by plot.py at 2019-07-17 19:50:43

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 2.037 ms

Loss rate: 0.00%

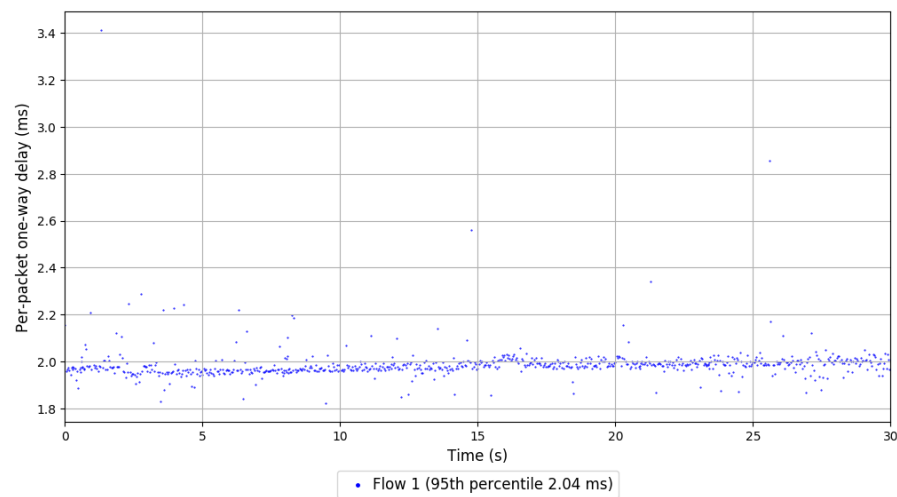
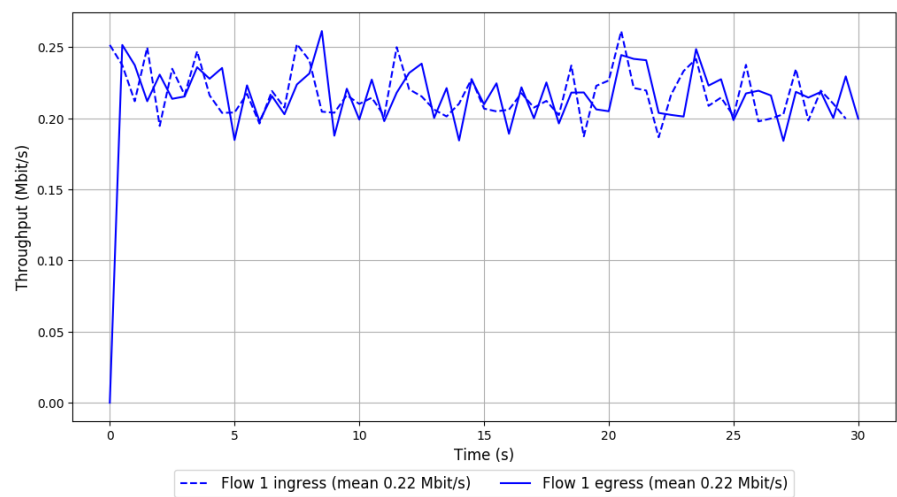
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 2.037 ms

Loss rate: 0.00%

Run 5: Report of SReAM — Data Link



Run 1: Statistics of Sprout

Start at: 2019-07-17 17:36:31

End at: 2019-07-17 17:37:01

Local clock offset: -4.06 ms

Remote clock offset: 0.007 ms

Below is generated by plot.py at 2019-07-17 19:50:43

Datalink statistics

-- Total of 1 flow:

Average throughput: 50.33 Mbit/s

95th percentile per-packet one-way delay: 11.330 ms

Loss rate: 0.00%

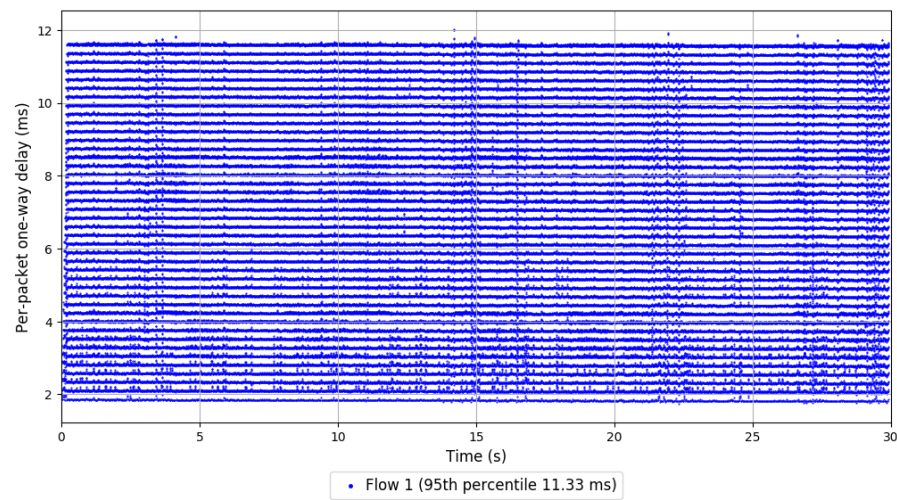
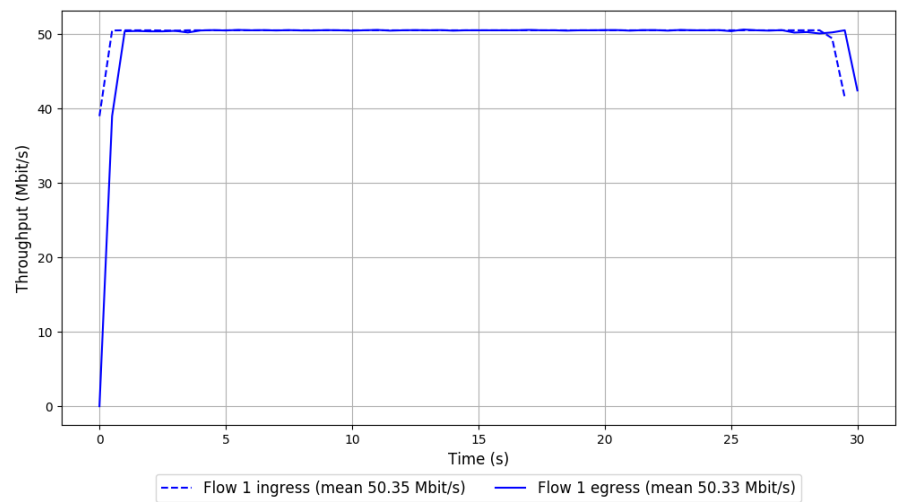
-- Flow 1:

Average throughput: 50.33 Mbit/s

95th percentile per-packet one-way delay: 11.330 ms

Loss rate: 0.00%

Run 1: Report of Sprout — Data Link



Run 2: Statistics of Sprout

Start at: 2019-07-17 18:03:11

End at: 2019-07-17 18:03:41

Local clock offset: -5.012 ms

Remote clock offset: 0.19 ms

Below is generated by plot.py at 2019-07-17 19:50:43

Datalink statistics

-- Total of 1 flow:

Average throughput: 49.78 Mbit/s

95th percentile per-packet one-way delay: 11.301 ms

Loss rate: 0.00%

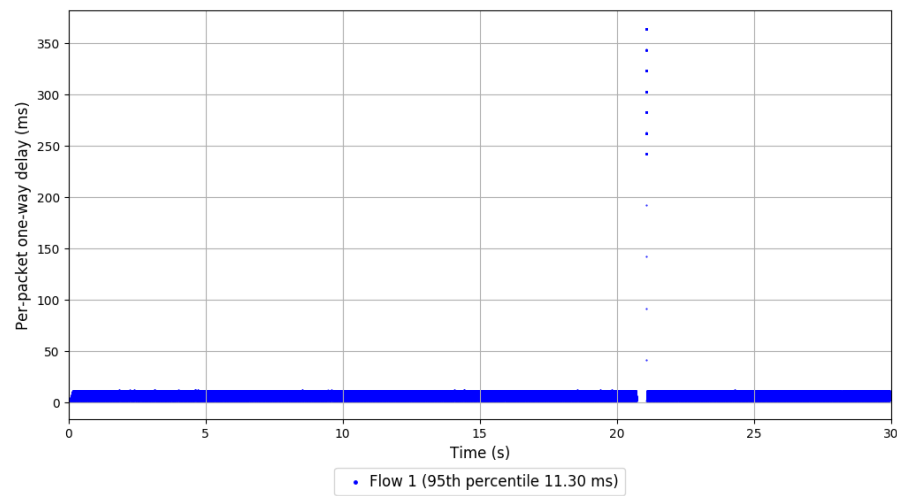
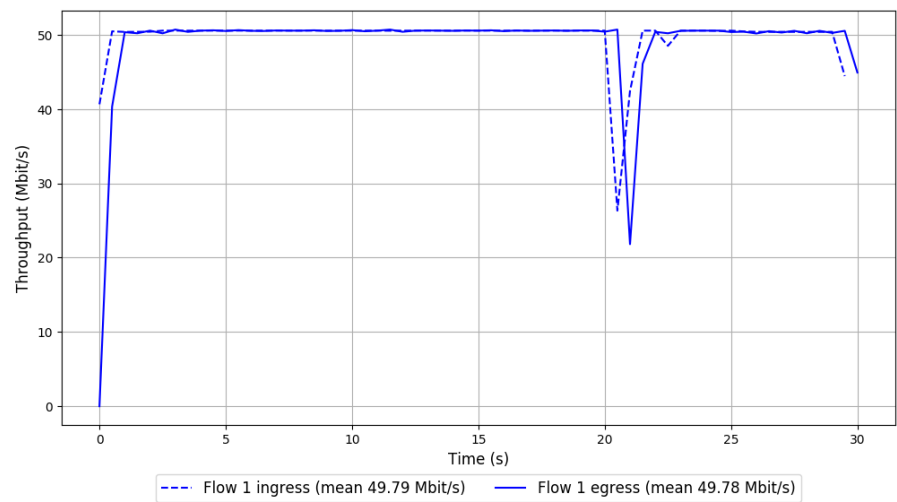
-- Flow 1:

Average throughput: 49.78 Mbit/s

95th percentile per-packet one-way delay: 11.301 ms

Loss rate: 0.00%

Run 2: Report of Sprout — Data Link



Run 3: Statistics of Sprout

Start at: 2019-07-17 18:29:51

End at: 2019-07-17 18:30:21

Local clock offset: -5.588 ms

Remote clock offset: 0.232 ms

Below is generated by plot.py at 2019-07-17 19:50:43

Datalink statistics

-- Total of 1 flow:

Average throughput: 50.28 Mbit/s

95th percentile per-packet one-way delay: 11.302 ms

Loss rate: 0.00%

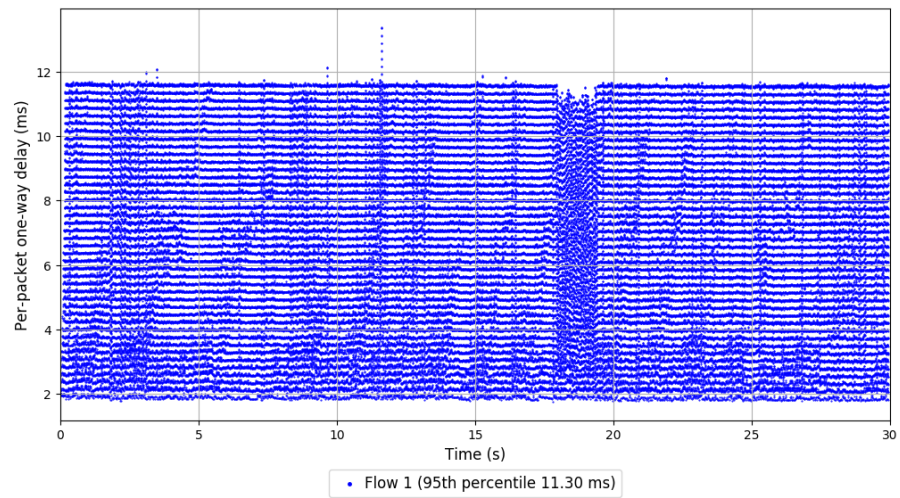
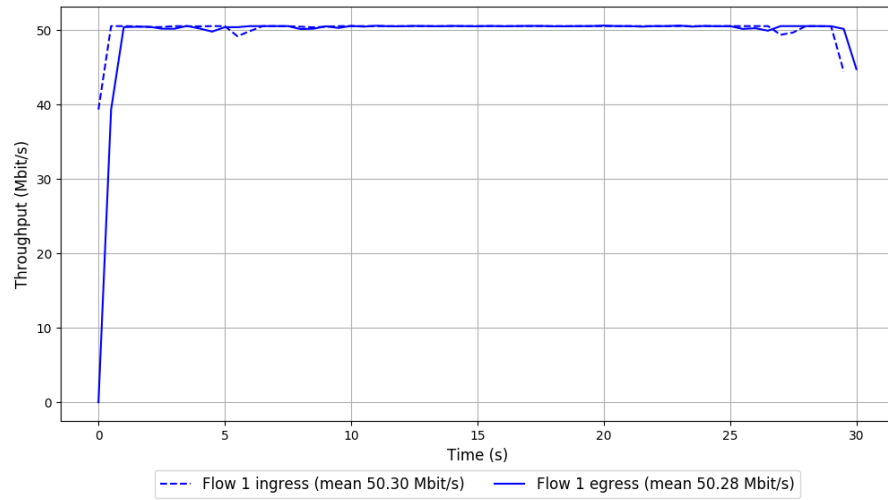
-- Flow 1:

Average throughput: 50.28 Mbit/s

95th percentile per-packet one-way delay: 11.302 ms

Loss rate: 0.00%

Run 3: Report of Sprout — Data Link

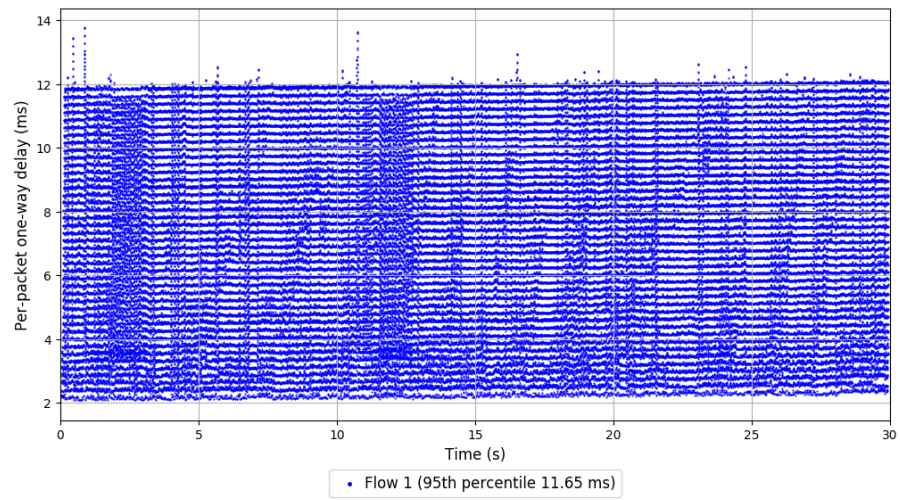
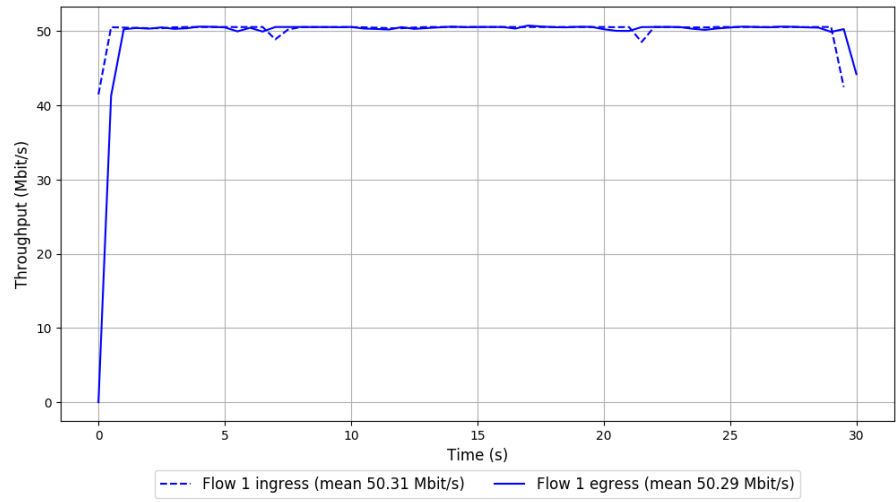


Run 4: Statistics of Sprout

Start at: 2019-07-17 18:56:30
End at: 2019-07-17 18:57:00
Local clock offset: -5.09 ms
Remote clock offset: 0.353 ms

Below is generated by plot.py at 2019-07-17 19:50:52
Datalink statistics
-- Total of 1 flow:
Average throughput: 50.29 Mbit/s
95th percentile per-packet one-way delay: 11.650 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 50.29 Mbit/s
95th percentile per-packet one-way delay: 11.650 ms
Loss rate: 0.00%

Run 4: Report of Sprout — Data Link



Run 5: Statistics of Sprout

Start at: 2019-07-17 19:23:23

End at: 2019-07-17 19:23:53

Local clock offset: 0.235 ms

Remote clock offset: 0.409 ms

Below is generated by plot.py at 2019-07-17 19:50:57

Datalink statistics

-- Total of 1 flow:

Average throughput: 50.27 Mbit/s

95th percentile per-packet one-way delay: 11.260 ms

Loss rate: 0.00%

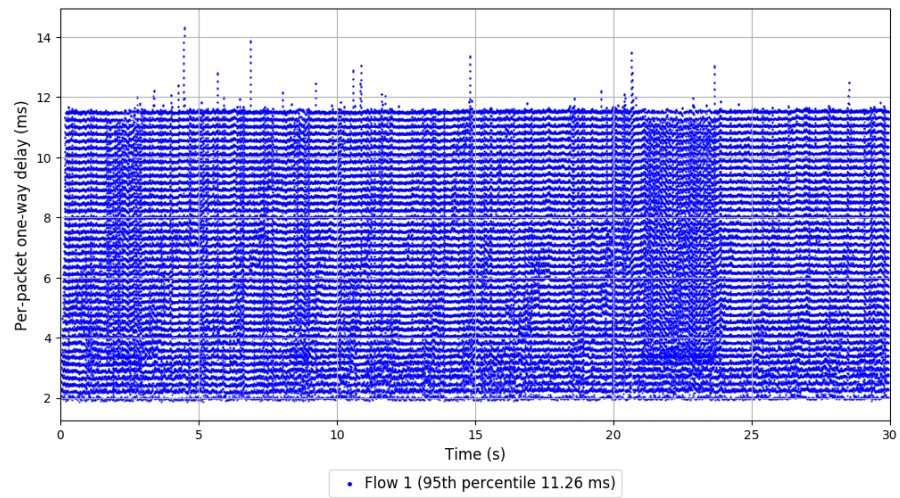
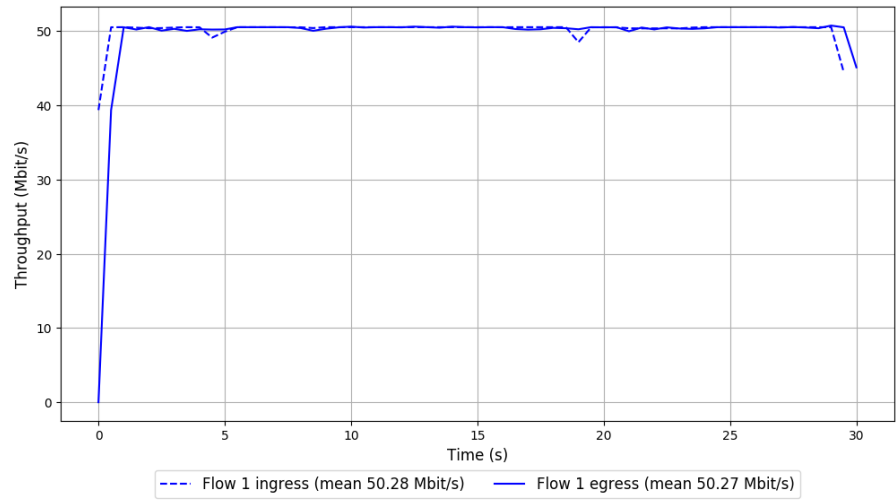
-- Flow 1:

Average throughput: 50.27 Mbit/s

95th percentile per-packet one-way delay: 11.260 ms

Loss rate: 0.00%

Run 5: Report of Sprout — Data Link



Run 1: Statistics of TaoVA-100x

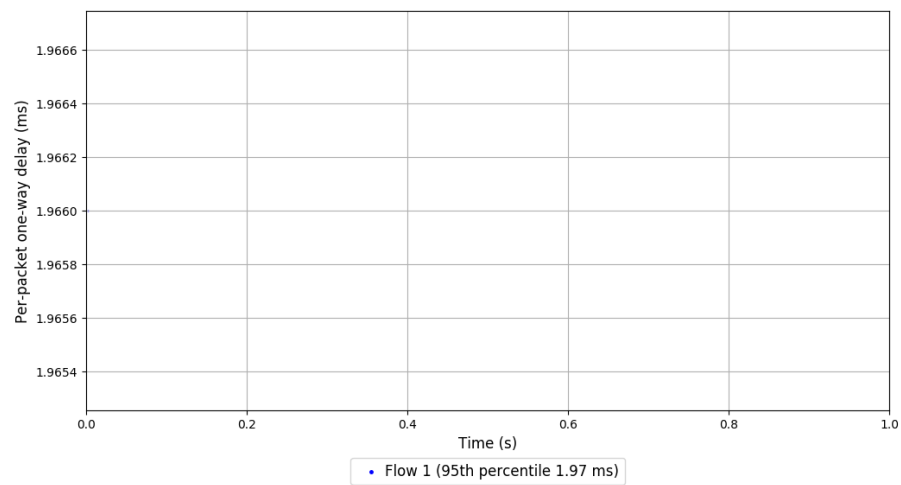
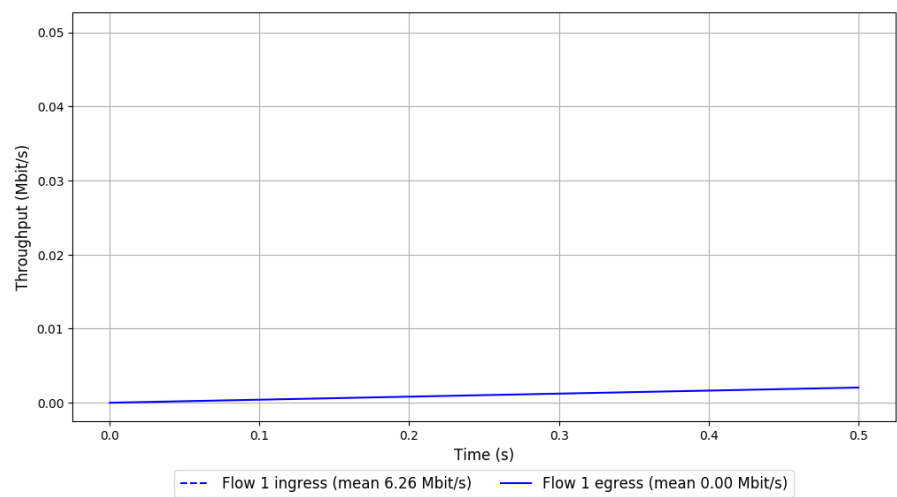
Start at: 2019-07-17 17:42:08

End at: 2019-07-17 17:42:38

Local clock offset: -4.281 ms

Remote clock offset: -0.036 ms

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



Run 2: Statistics of TaoVA-100x

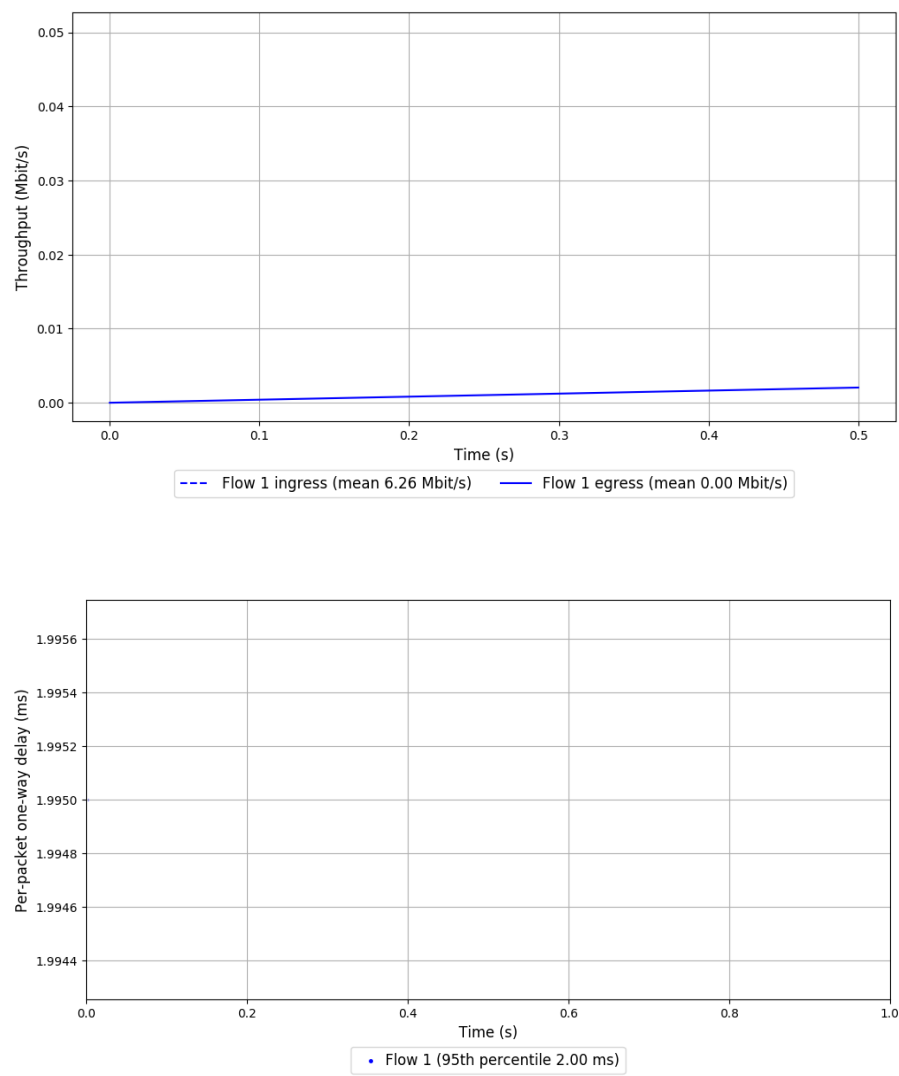
Start at: 2019-07-17 18:08:47

End at: 2019-07-17 18:09:17

Local clock offset: -5.308 ms

Remote clock offset: 0.172 ms

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



Run 3: Statistics of TaoVA-100x

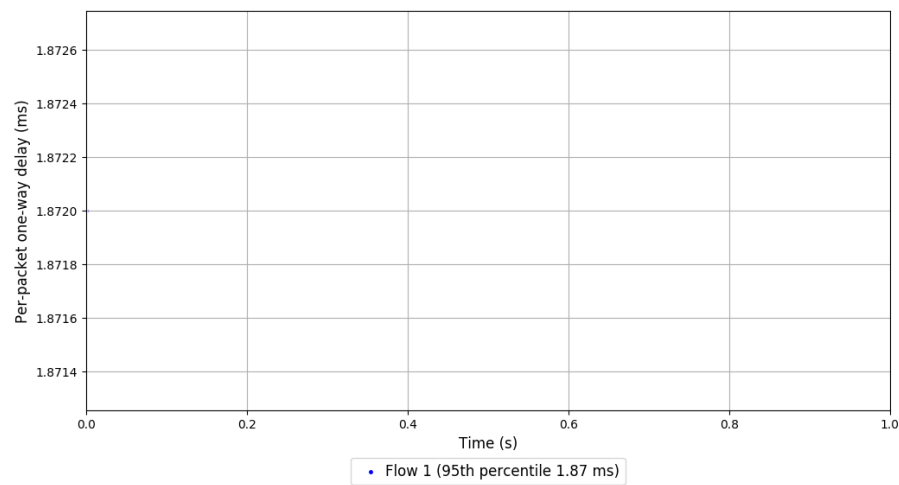
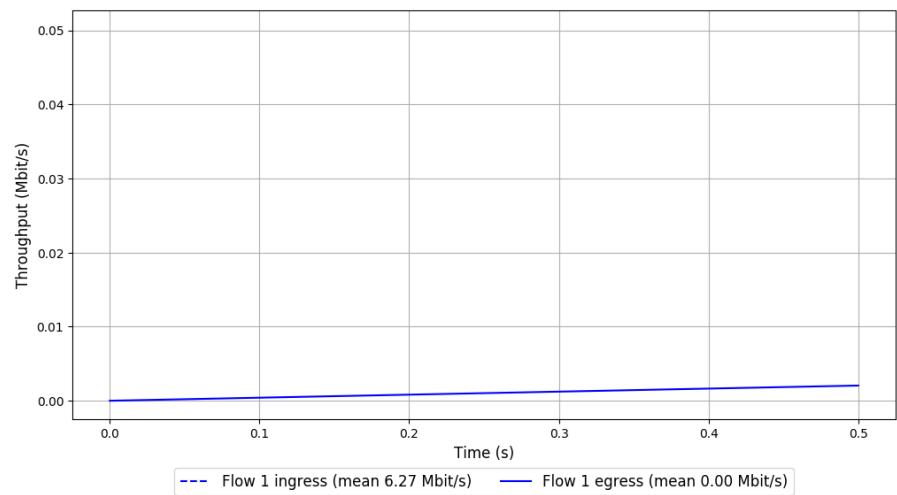
Start at: 2019-07-17 18:35:27

End at: 2019-07-17 18:35:57

Local clock offset: -5.839 ms

Remote clock offset: 0.26 ms

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



Run 4: Statistics of TaoVA-100x

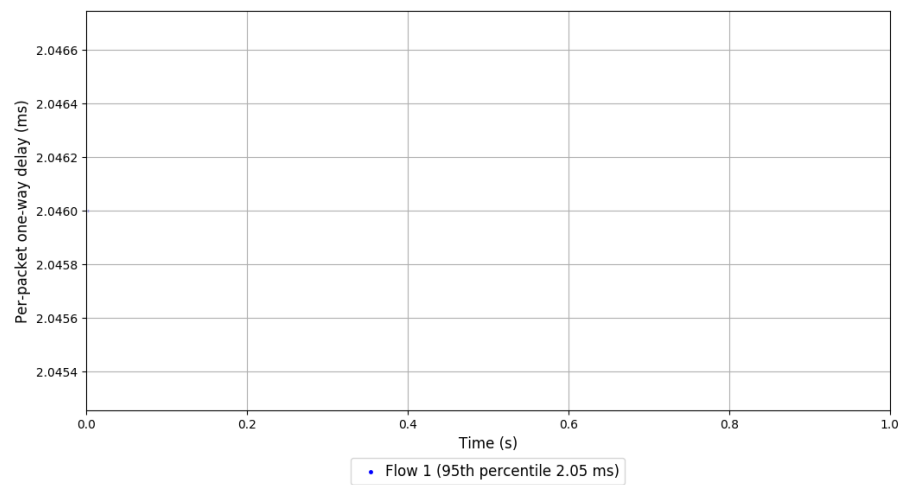
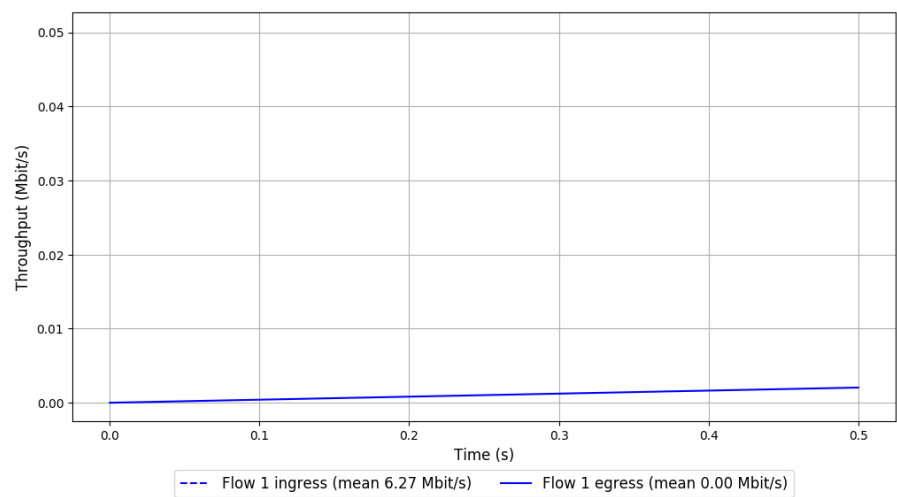
Start at: 2019-07-17 19:02:07

End at: 2019-07-17 19:02:37

Local clock offset: -3.045 ms

Remote clock offset: 0.355 ms

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



Run 5: Statistics of TaoVA-100x

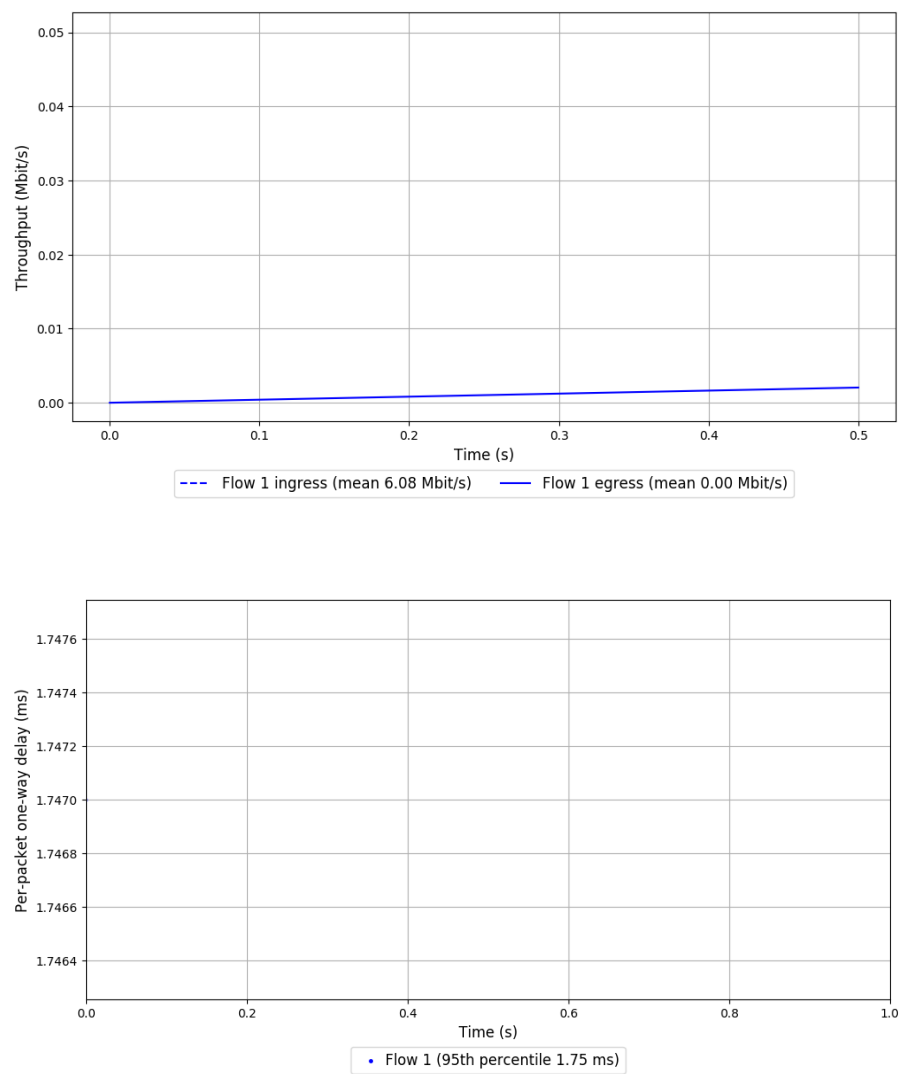
Start at: 2019-07-17 19:29:09

End at: 2019-07-17 19:29:39

Local clock offset: -2.326 ms

Remote clock offset: 0.346 ms

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



Run 1: Statistics of TCP Vegas

Start at: 2019-07-17 17:44:17

End at: 2019-07-17 17:44:47

Local clock offset: -4.276 ms

Remote clock offset: 0.073 ms

Below is generated by plot.py at 2019-07-17 19:51:40

Datalink statistics

-- Total of 1 flow:

Average throughput: 96.07 Mbit/s

95th percentile per-packet one-way delay: 3.123 ms

Loss rate: 0.00%

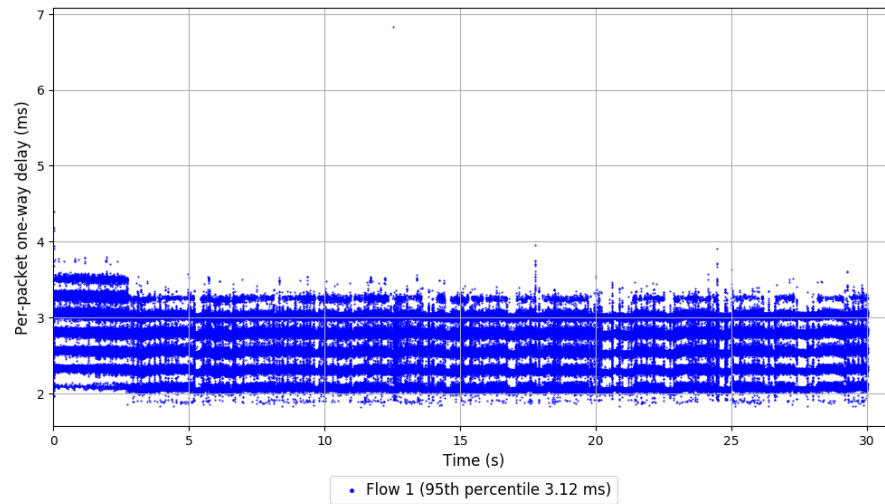
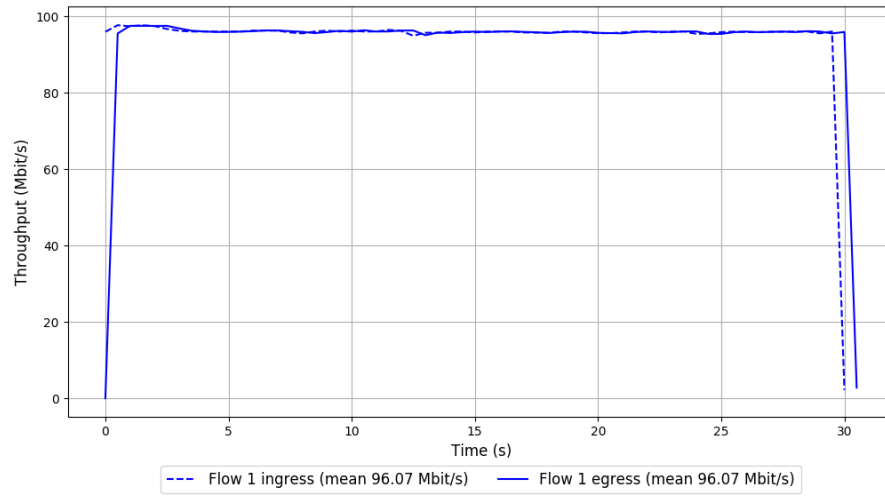
-- Flow 1:

Average throughput: 96.07 Mbit/s

95th percentile per-packet one-way delay: 3.123 ms

Loss rate: 0.00%

Run 1: Report of TCP Vegas — Data Link



Run 2: Statistics of TCP Vegas

Start at: 2019-07-17 18:10:57

End at: 2019-07-17 18:11:27

Local clock offset: -5.255 ms

Remote clock offset: 0.203 ms

Below is generated by plot.py at 2019-07-17 19:51:40

Datalink statistics

-- Total of 1 flow:

Average throughput: 96.19 Mbit/s

95th percentile per-packet one-way delay: 3.248 ms

Loss rate: 0.00%

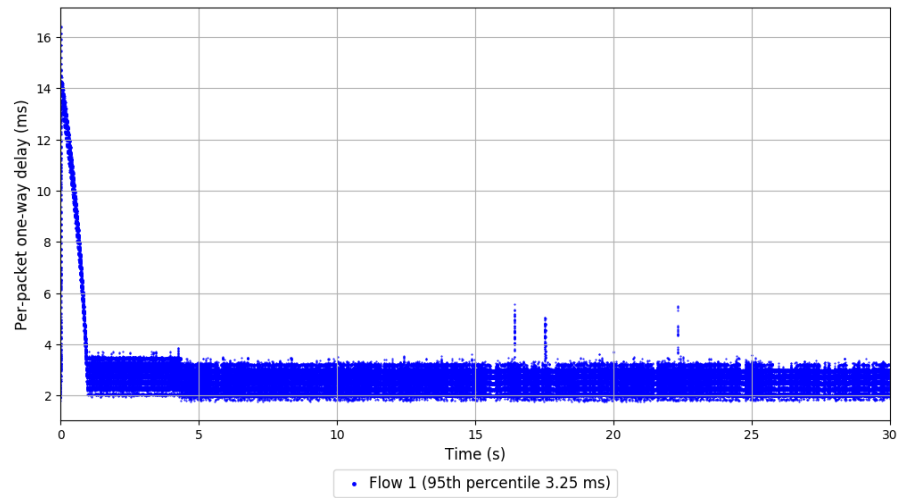
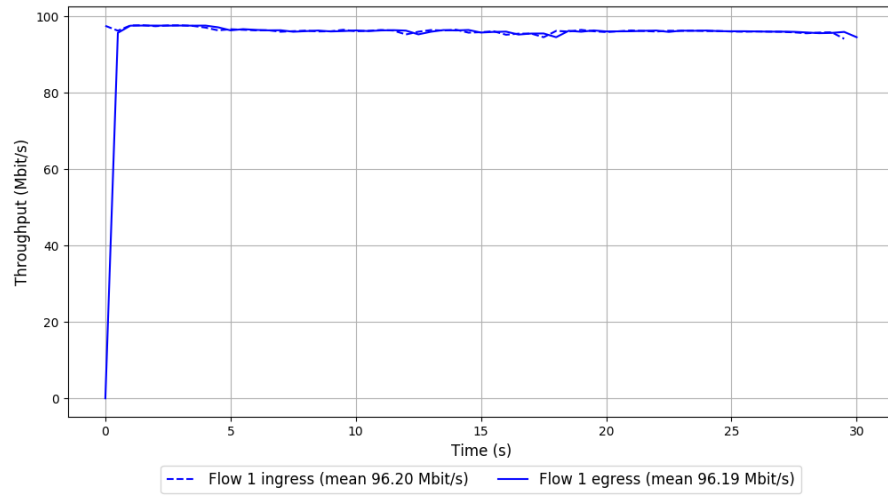
-- Flow 1:

Average throughput: 96.19 Mbit/s

95th percentile per-packet one-way delay: 3.248 ms

Loss rate: 0.00%

Run 2: Report of TCP Vegas — Data Link



Run 3: Statistics of TCP Vegas

Start at: 2019-07-17 18:37:37

End at: 2019-07-17 18:38:07

Local clock offset: -5.897 ms

Remote clock offset: 0.288 ms

Below is generated by plot.py at 2019-07-17 19:51:40

Datalink statistics

-- Total of 1 flow:

Average throughput: 95.85 Mbit/s

95th percentile per-packet one-way delay: 3.188 ms

Loss rate: 0.00%

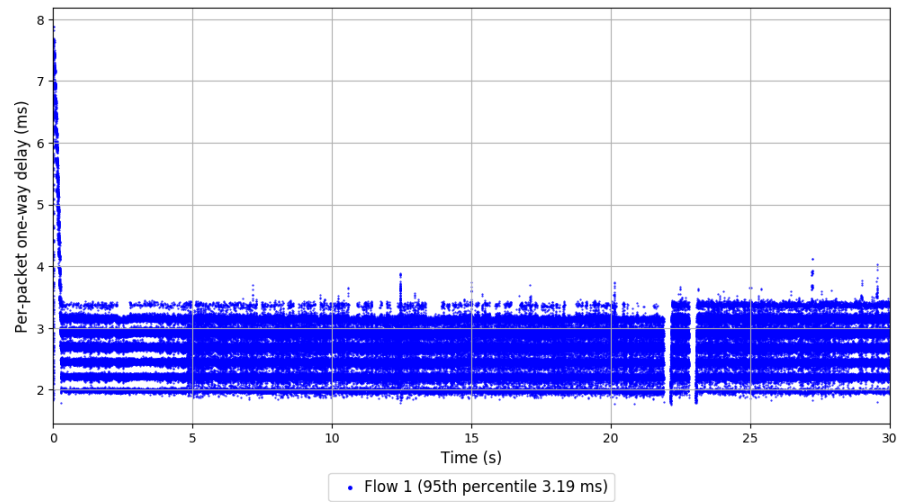
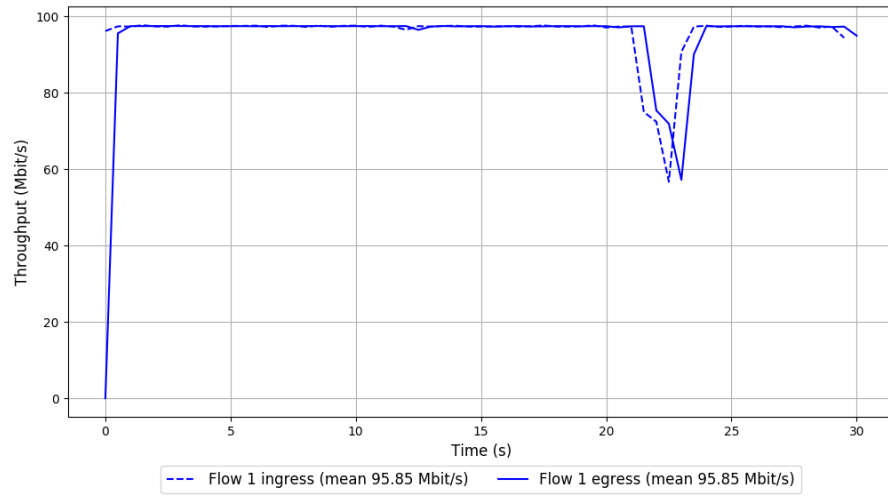
-- Flow 1:

Average throughput: 95.85 Mbit/s

95th percentile per-packet one-way delay: 3.188 ms

Loss rate: 0.00%

Run 3: Report of TCP Vegas — Data Link

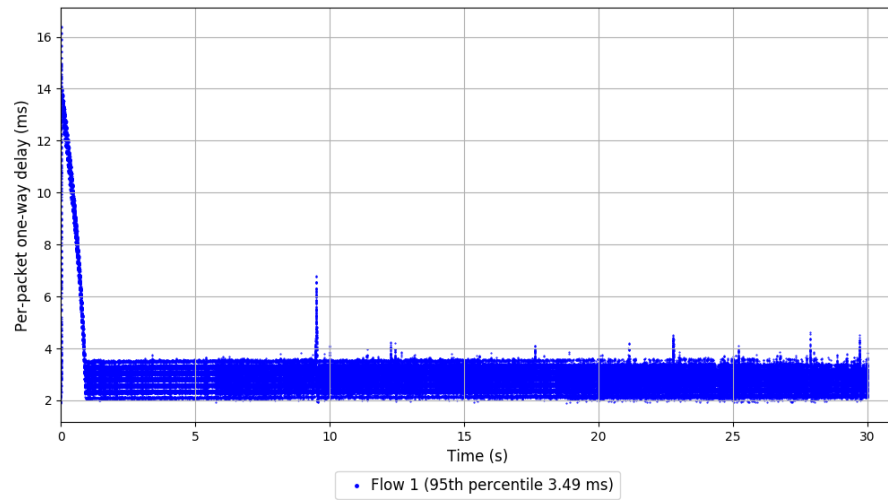
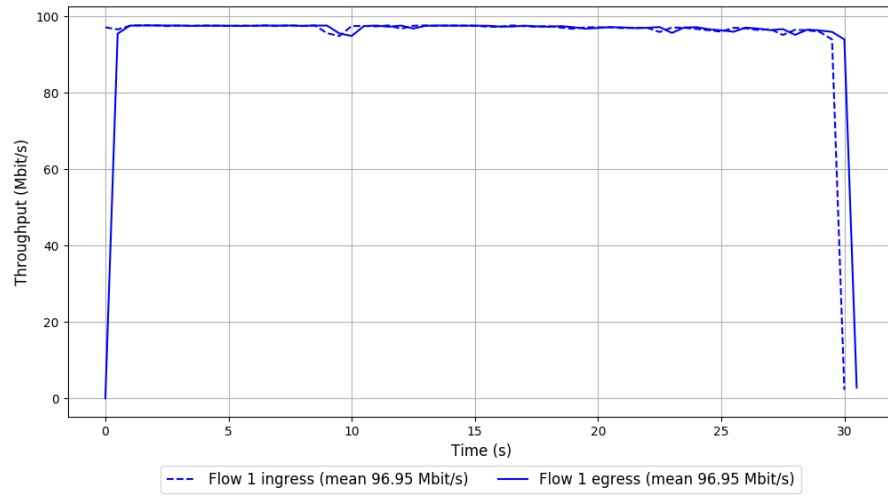


Run 4: Statistics of TCP Vegas

Start at: 2019-07-17 19:04:16
End at: 2019-07-17 19:04:46
Local clock offset: -2.457 ms
Remote clock offset: 0.373 ms

Below is generated by plot.py at 2019-07-17 19:51:41
Datalink statistics
-- Total of 1 flow:
Average throughput: 96.95 Mbit/s
95th percentile per-packet one-way delay: 3.489 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 96.95 Mbit/s
95th percentile per-packet one-way delay: 3.489 ms
Loss rate: 0.00%

Run 4: Report of TCP Vegas — Data Link



Run 5: Statistics of TCP Vegas

Start at: 2019-07-17 19:31:19

End at: 2019-07-17 19:31:49

Local clock offset: -3.455 ms

Remote clock offset: 0.354 ms

Below is generated by plot.py at 2019-07-17 19:51:52

Datalink statistics

-- Total of 1 flow:

Average throughput: 95.83 Mbit/s

95th percentile per-packet one-way delay: 3.087 ms

Loss rate: 0.00%

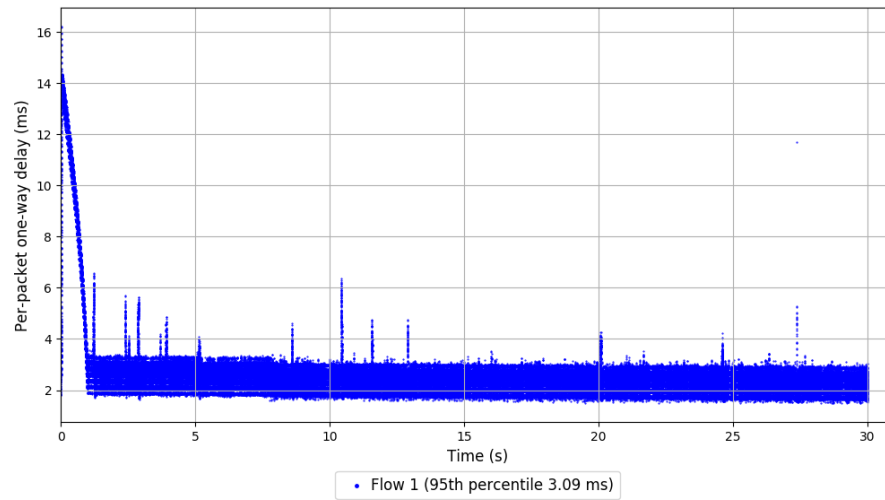
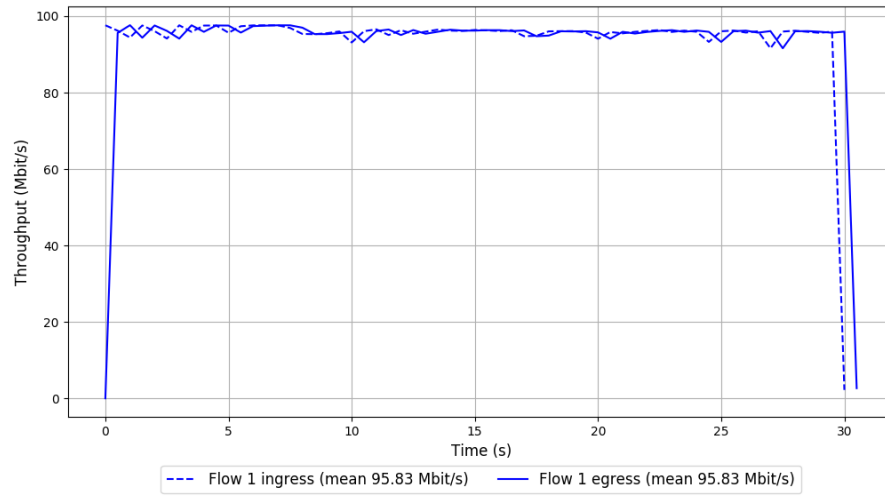
-- Flow 1:

Average throughput: 95.83 Mbit/s

95th percentile per-packet one-way delay: 3.087 ms

Loss rate: 0.00%

Run 5: Report of TCP Vegas — Data Link

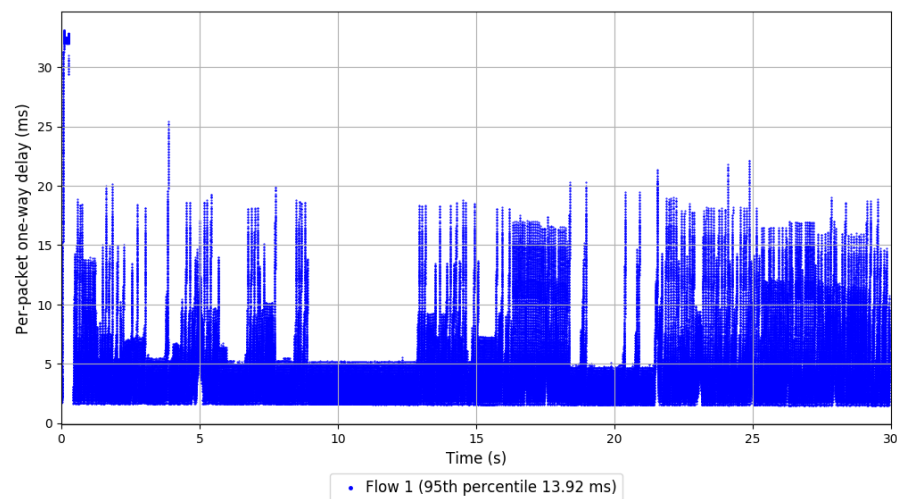
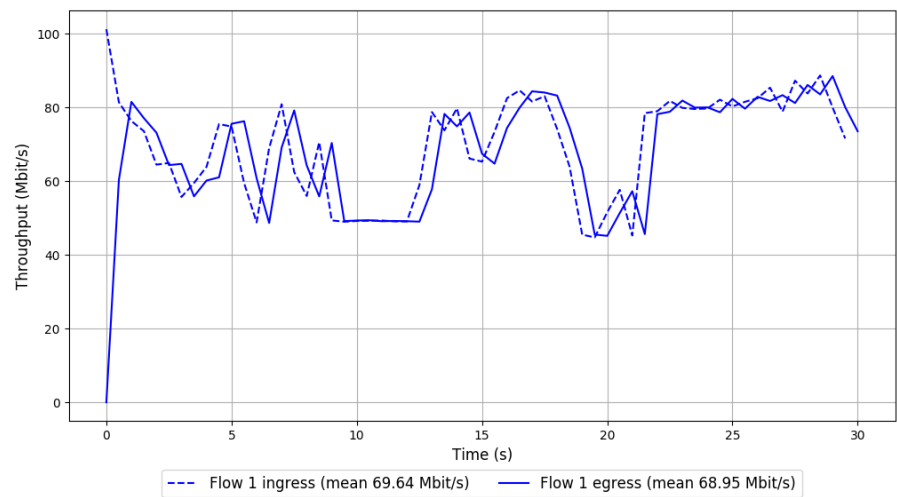


Run 1: Statistics of Verus

Start at: 2019-07-17 17:28:45
End at: 2019-07-17 17:29:15
Local clock offset: -2.421 ms
Remote clock offset: -0.087 ms

Below is generated by plot.py at 2019-07-17 19:51:52
Datalink statistics
-- Total of 1 flow:
Average throughput: 68.95 Mbit/s
95th percentile per-packet one-way delay: 13.923 ms
Loss rate: 0.95%
-- Flow 1:
Average throughput: 68.95 Mbit/s
95th percentile per-packet one-way delay: 13.923 ms
Loss rate: 0.95%

Run 1: Report of Verus — Data Link



Run 2: Statistics of Verus

Start at: 2019-07-17 17:55:25

End at: 2019-07-17 17:55:55

Local clock offset: -3.784 ms

Remote clock offset: 0.164 ms

Below is generated by plot.py at 2019-07-17 19:51:52

Datalink statistics

-- Total of 1 flow:

Average throughput: 53.50 Mbit/s

95th percentile per-packet one-way delay: 16.866 ms

Loss rate: 1.20%

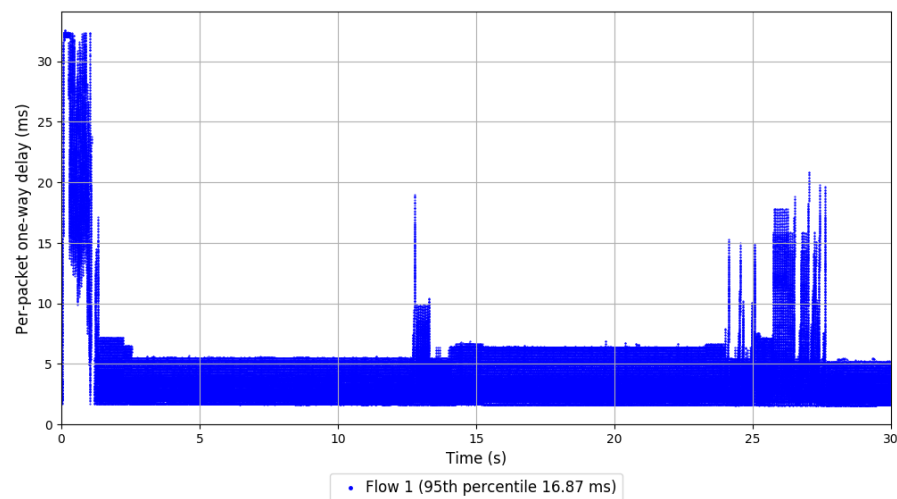
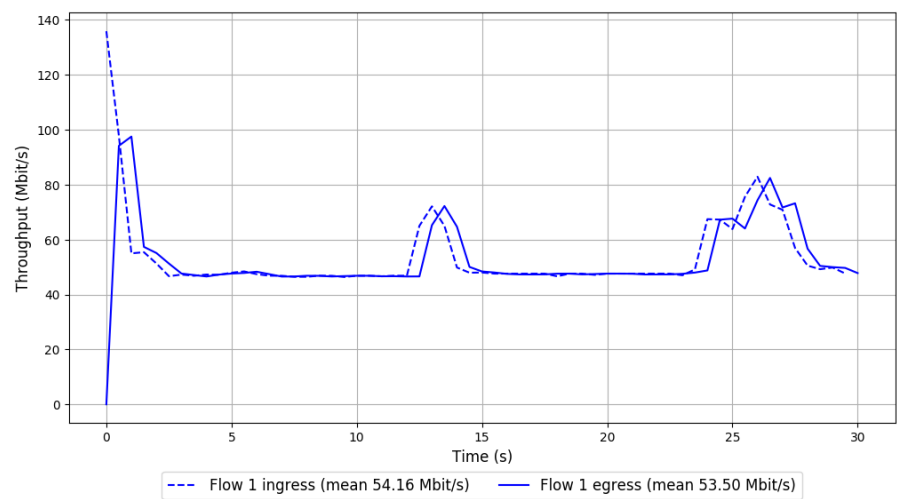
-- Flow 1:

Average throughput: 53.50 Mbit/s

95th percentile per-packet one-way delay: 16.866 ms

Loss rate: 1.20%

Run 2: Report of Verus — Data Link



Run 3: Statistics of Verus

Start at: 2019-07-17 18:22:05

End at: 2019-07-17 18:22:35

Local clock offset: -4.967 ms

Remote clock offset: 0.207 ms

Below is generated by plot.py at 2019-07-17 19:51:52

Datalink statistics

-- Total of 1 flow:

Average throughput: 59.46 Mbit/s

95th percentile per-packet one-way delay: 13.033 ms

Loss rate: 1.13%

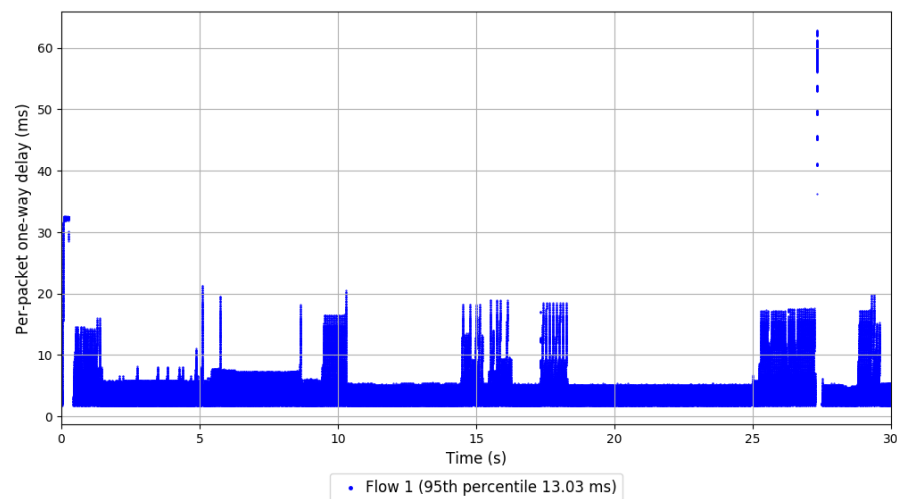
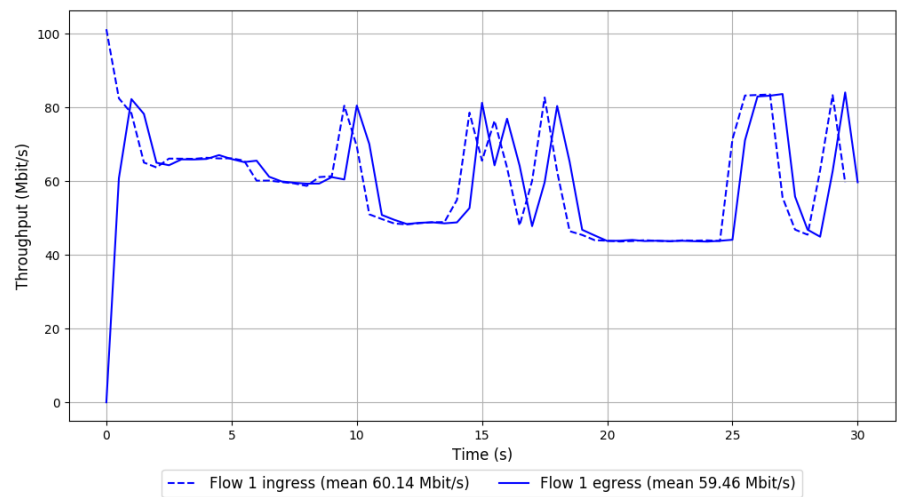
-- Flow 1:

Average throughput: 59.46 Mbit/s

95th percentile per-packet one-way delay: 13.033 ms

Loss rate: 1.13%

Run 3: Report of Verus — Data Link



Run 4: Statistics of Verus

Start at: 2019-07-17 18:48:44

End at: 2019-07-17 18:49:14

Local clock offset: -5.944 ms

Remote clock offset: 0.398 ms

Below is generated by plot.py at 2019-07-17 19:52:12

Datalink statistics

-- Total of 1 flow:

Average throughput: 56.02 Mbit/s

95th percentile per-packet one-way delay: 8.215 ms

Loss rate: 1.18%

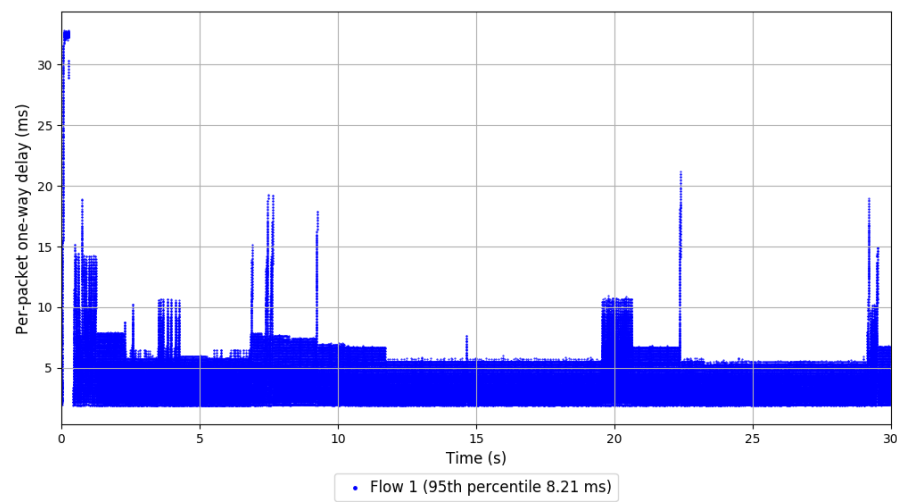
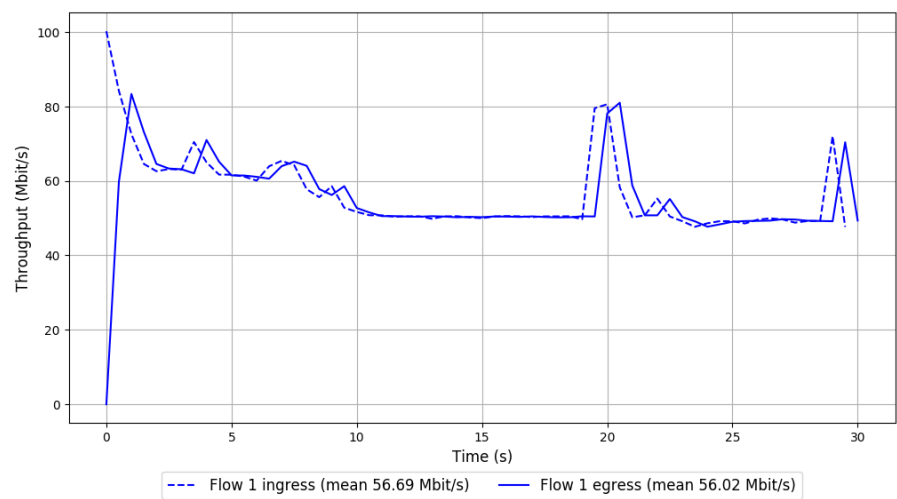
-- Flow 1:

Average throughput: 56.02 Mbit/s

95th percentile per-packet one-way delay: 8.215 ms

Loss rate: 1.18%

Run 4: Report of Verus — Data Link



Run 5: Statistics of Verus

Start at: 2019-07-17 19:15:25

End at: 2019-07-17 19:15:55

Local clock offset: -0.647 ms

Remote clock offset: 0.37 ms

Below is generated by plot.py at 2019-07-17 19:52:14

Datalink statistics

-- Total of 1 flow:

Average throughput: 61.35 Mbit/s

95th percentile per-packet one-way delay: 14.559 ms

Loss rate: 1.07%

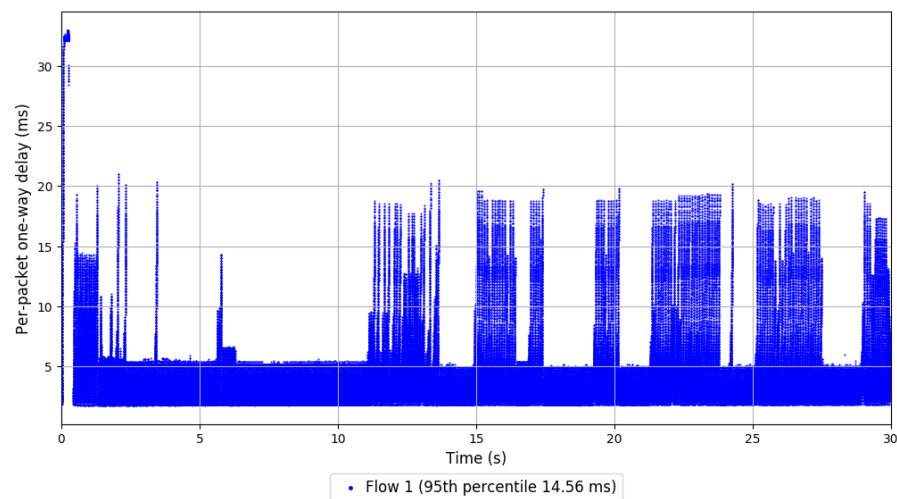
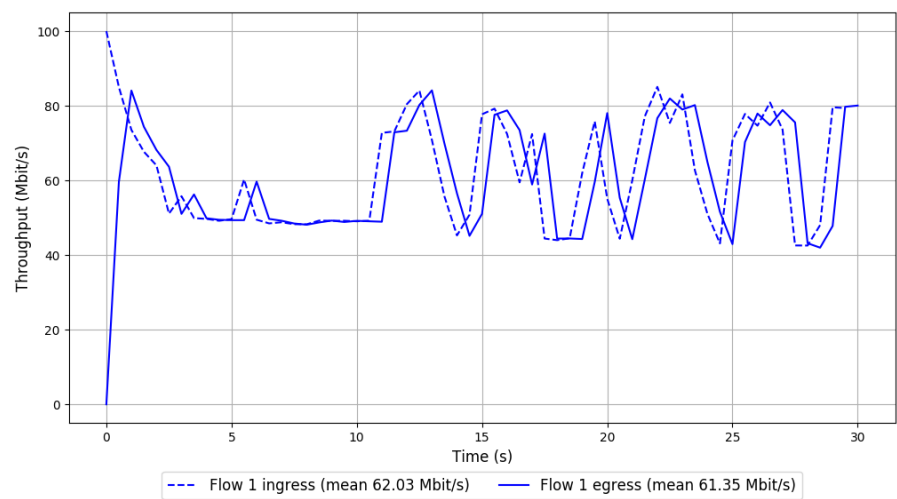
-- Flow 1:

Average throughput: 61.35 Mbit/s

95th percentile per-packet one-way delay: 14.559 ms

Loss rate: 1.07%

Run 5: Report of Verus — Data Link



Run 1: Statistics of PCC-Vivace

Start at: 2019-07-17 17:52:02

End at: 2019-07-17 17:52:32

Local clock offset: -3.987 ms

Remote clock offset: 0.109 ms

Below is generated by plot.py at 2019-07-17 19:52:35

Datalink statistics

-- Total of 1 flow:

Average throughput: 85.20 Mbit/s

95th percentile per-packet one-way delay: 2.214 ms

Loss rate: 0.00%

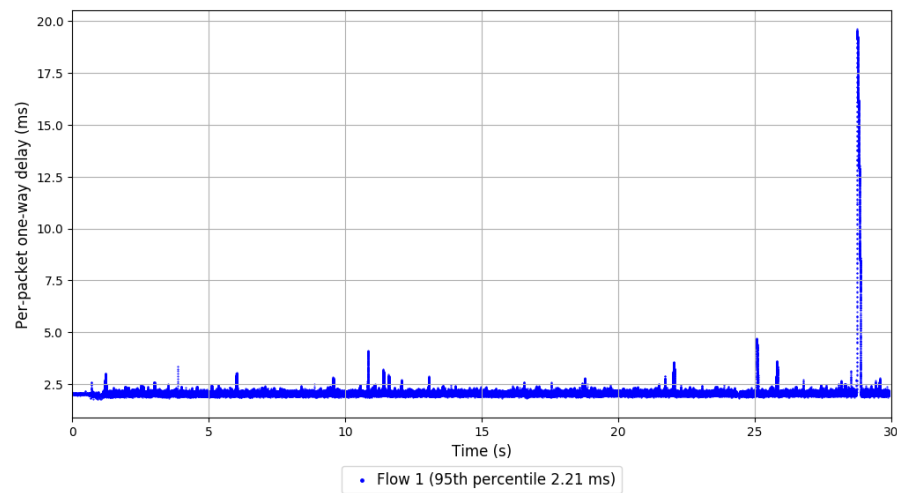
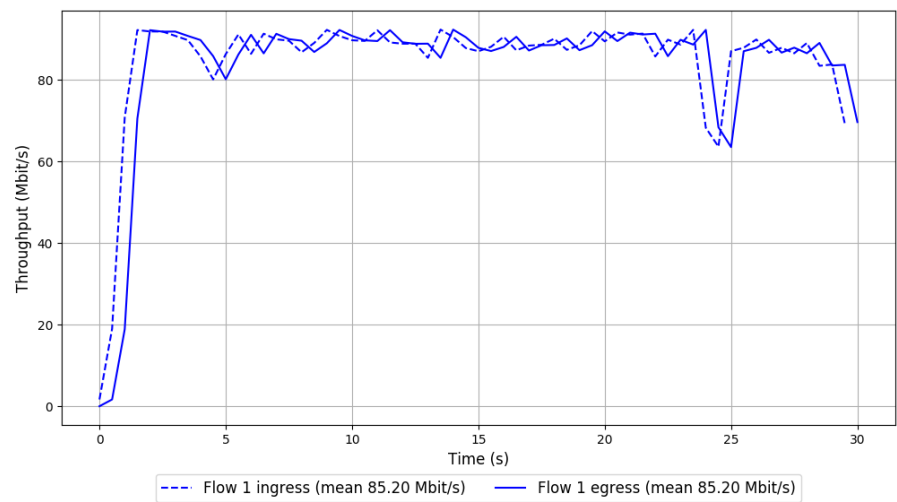
-- Flow 1:

Average throughput: 85.20 Mbit/s

95th percentile per-packet one-way delay: 2.214 ms

Loss rate: 0.00%

Run 1: Report of PCC-Vivace — Data Link



Run 2: Statistics of PCC-Vivace

Start at: 2019-07-17 18:18:42

End at: 2019-07-17 18:19:12

Local clock offset: -5.099 ms

Remote clock offset: 0.208 ms

Below is generated by plot.py at 2019-07-17 19:52:36

Datalink statistics

-- Total of 1 flow:

Average throughput: 84.49 Mbit/s

95th percentile per-packet one-way delay: 2.063 ms

Loss rate: 0.00%

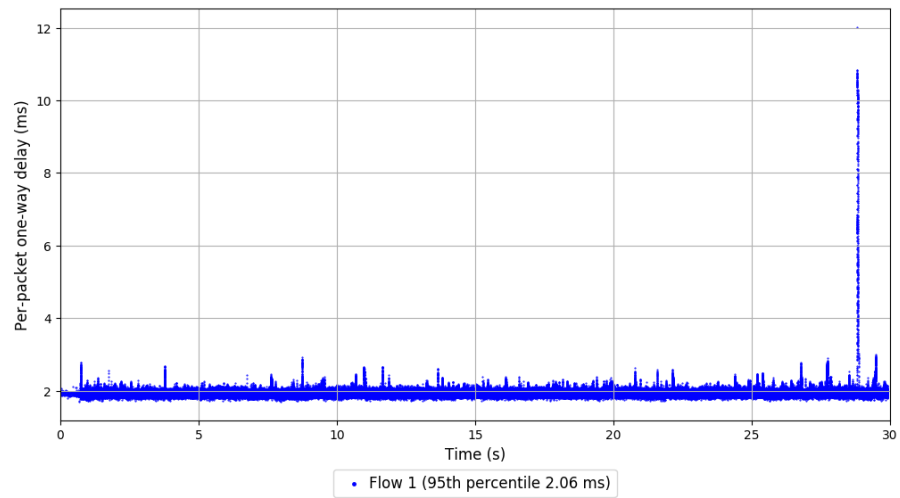
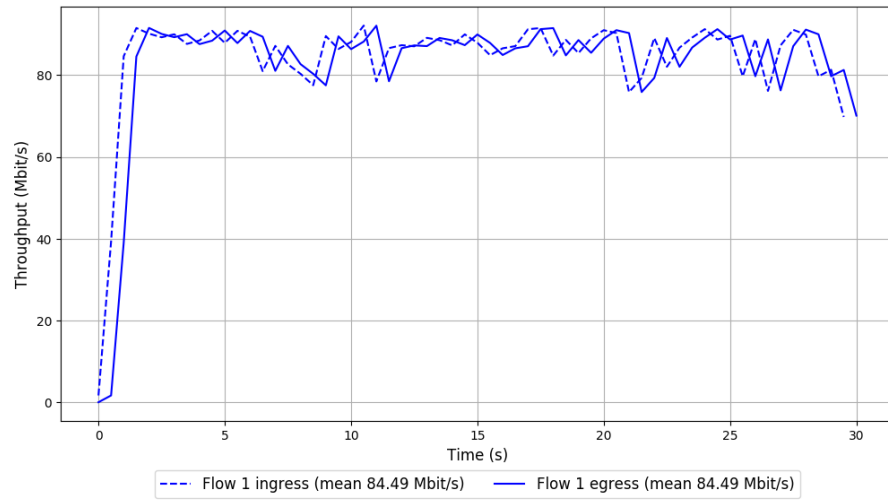
-- Flow 1:

Average throughput: 84.49 Mbit/s

95th percentile per-packet one-way delay: 2.063 ms

Loss rate: 0.00%

Run 2: Report of PCC-Vivace — Data Link



Run 3: Statistics of PCC-Vivace

Start at: 2019-07-17 18:45:21

End at: 2019-07-17 18:45:51

Local clock offset: -5.923 ms

Remote clock offset: 0.395 ms

Below is generated by plot.py at 2019-07-17 19:52:36

Datalink statistics

-- Total of 1 flow:

Average throughput: 82.29 Mbit/s

95th percentile per-packet one-way delay: 2.535 ms

Loss rate: 0.00%

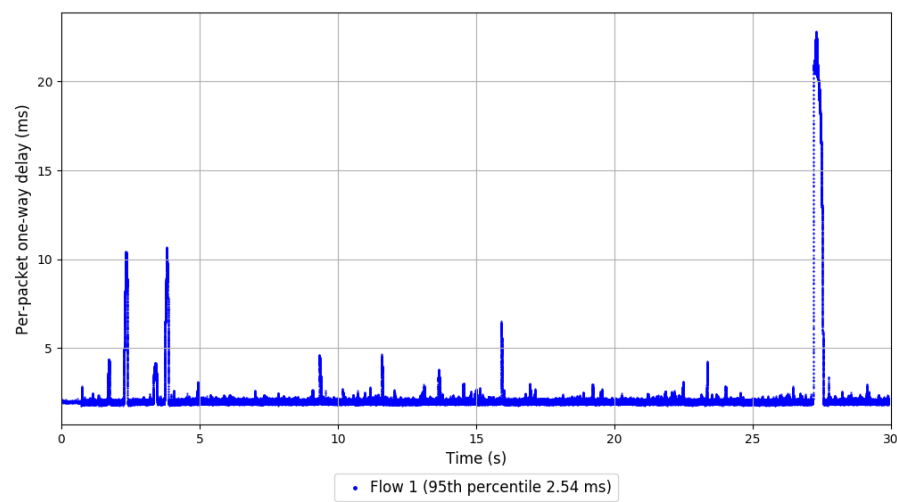
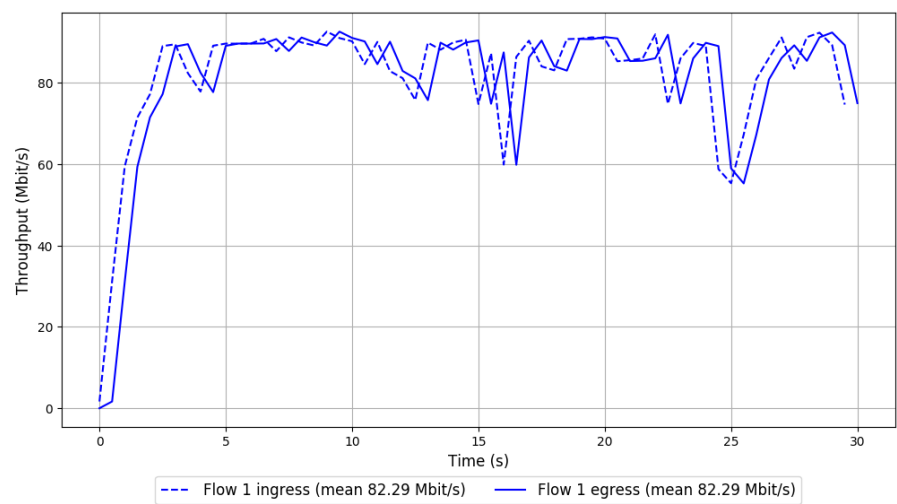
-- Flow 1:

Average throughput: 82.29 Mbit/s

95th percentile per-packet one-way delay: 2.535 ms

Loss rate: 0.00%

Run 3: Report of PCC-Vivace — Data Link



Run 4: Statistics of PCC-Vivace

Start at: 2019-07-17 19:12:02

End at: 2019-07-17 19:12:32

Local clock offset: -1.149 ms

Remote clock offset: 0.398 ms

Below is generated by plot.py at 2019-07-17 19:52:36

Datalink statistics

-- Total of 1 flow:

Average throughput: 81.41 Mbit/s

95th percentile per-packet one-way delay: 2.319 ms

Loss rate: 0.00%

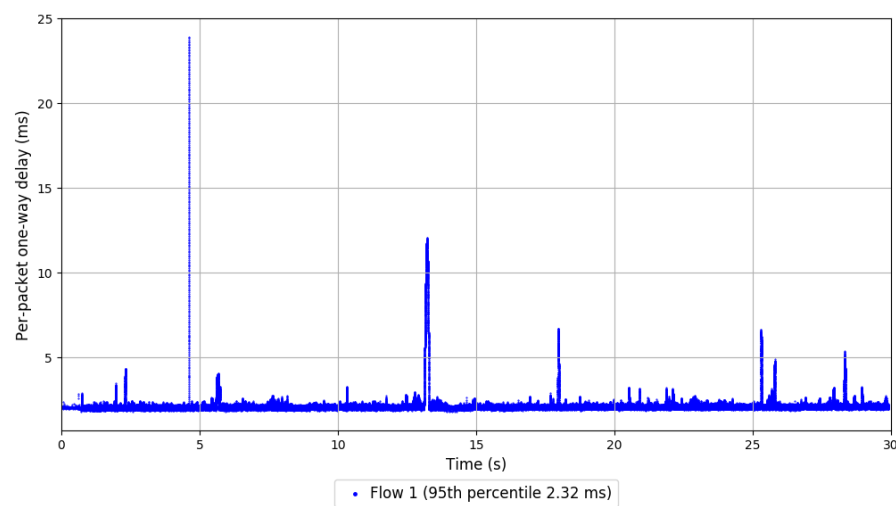
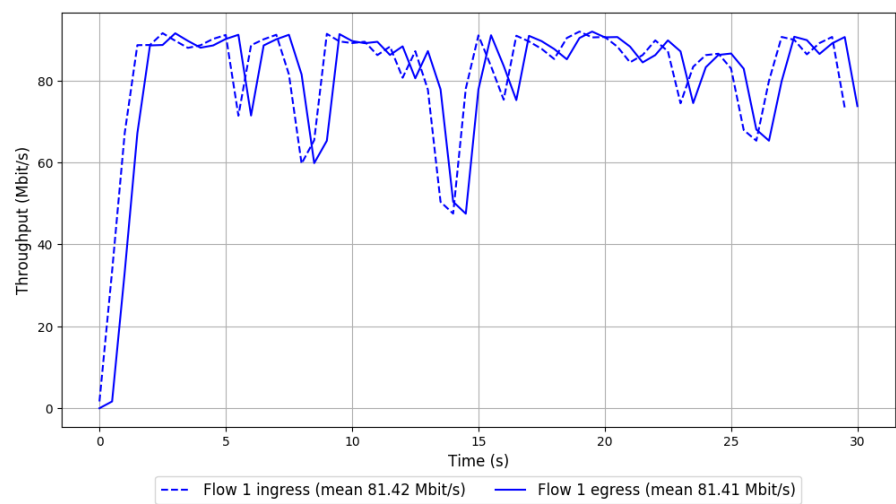
-- Flow 1:

Average throughput: 81.41 Mbit/s

95th percentile per-packet one-way delay: 2.319 ms

Loss rate: 0.00%

Run 4: Report of PCC-Vivace — Data Link



Run 5: Statistics of PCC-Vivace

Start at: 2019-07-17 19:39:09

End at: 2019-07-17 19:39:39

Local clock offset: -5.598 ms

Remote clock offset: 0.27 ms

Below is generated by plot.py at 2019-07-17 19:52:36

Datalink statistics

-- Total of 1 flow:

Average throughput: 77.88 Mbit/s

95th percentile per-packet one-way delay: 2.984 ms

Loss rate: 0.00%

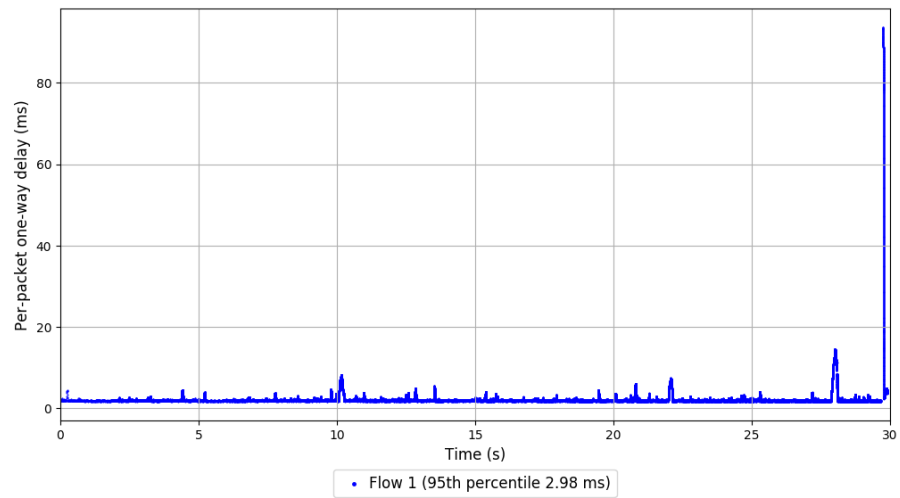
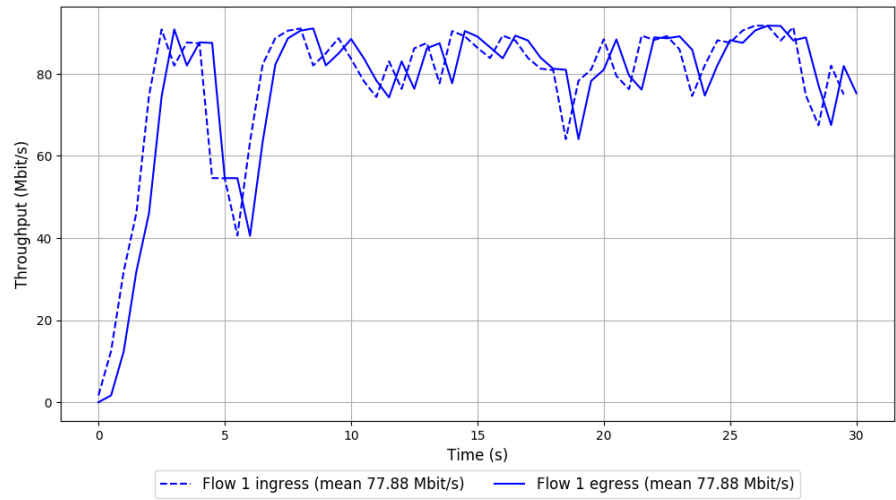
-- Flow 1:

Average throughput: 77.88 Mbit/s

95th percentile per-packet one-way delay: 2.984 ms

Loss rate: 0.00%

Run 5: Report of PCC-Vivace — Data Link



Run 1: Statistics of WebRTC media

Start at: 2019-07-17 17:46:33

End at: 2019-07-17 17:47:03

Local clock offset: -4.257 ms

Remote clock offset: 0.0 ms

Below is generated by plot.py at 2019-07-17 19:52:36

Datalink statistics

-- Total of 1 flow:

Average throughput: 2.06 Mbit/s

95th percentile per-packet one-way delay: 2.365 ms

Loss rate: 0.00%

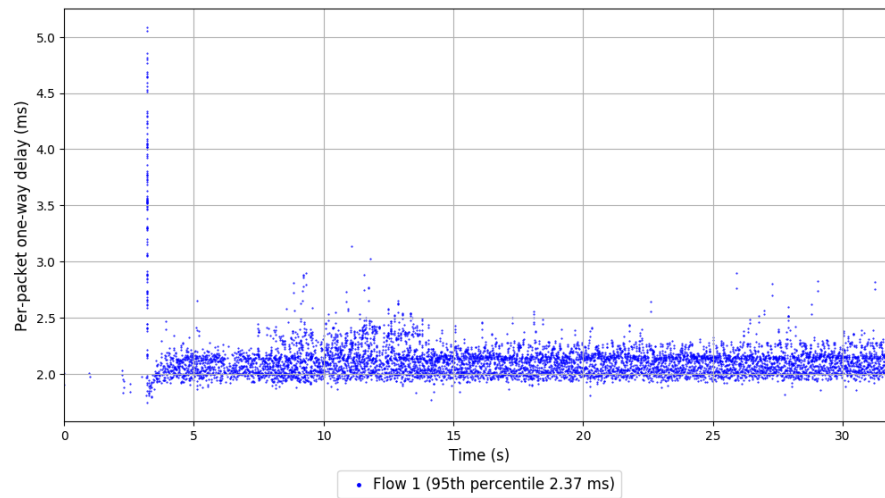
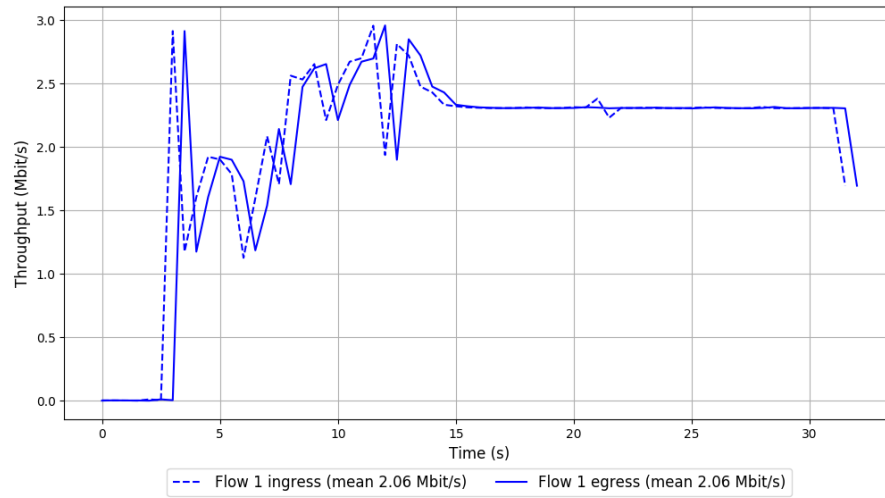
-- Flow 1:

Average throughput: 2.06 Mbit/s

95th percentile per-packet one-way delay: 2.365 ms

Loss rate: 0.00%

Run 1: Report of WebRTC media — Data Link



Run 2: Statistics of WebRTC media

Start at: 2019-07-17 18:13:13

End at: 2019-07-17 18:13:43

Local clock offset: -5.243 ms

Remote clock offset: 0.199 ms

Below is generated by plot.py at 2019-07-17 19:52:36

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.05 Mbit/s

95th percentile per-packet one-way delay: 4.211 ms

Loss rate: 0.00%

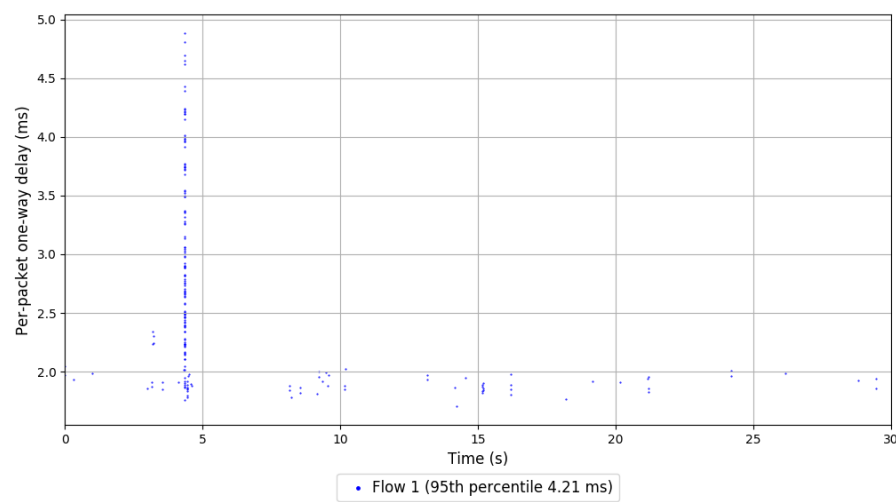
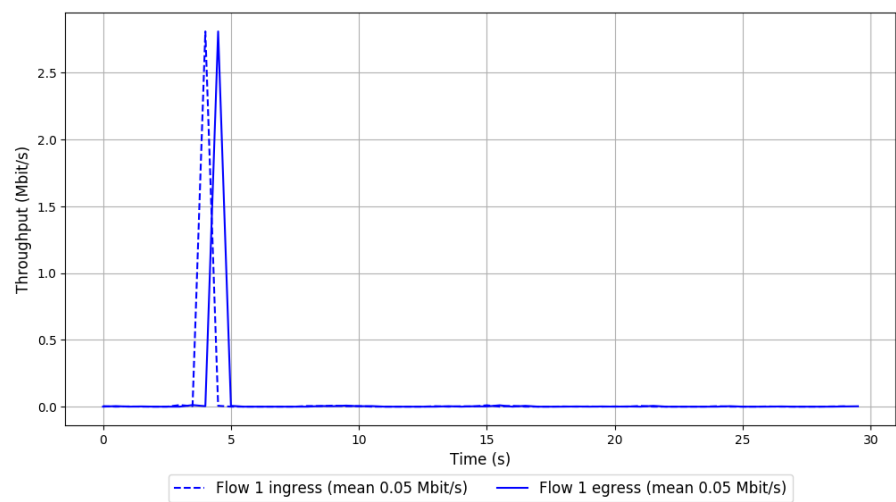
-- Flow 1:

Average throughput: 0.05 Mbit/s

95th percentile per-packet one-way delay: 4.211 ms

Loss rate: 0.00%

Run 2: Report of WebRTC media — Data Link



Run 3: Statistics of WebRTC media

Start at: 2019-07-17 18:39:52

End at: 2019-07-17 18:40:22

Local clock offset: -5.929 ms

Remote clock offset: 0.289 ms

Below is generated by plot.py at 2019-07-17 19:52:36

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.05 Mbit/s

95th percentile per-packet one-way delay: 4.176 ms

Loss rate: 0.00%

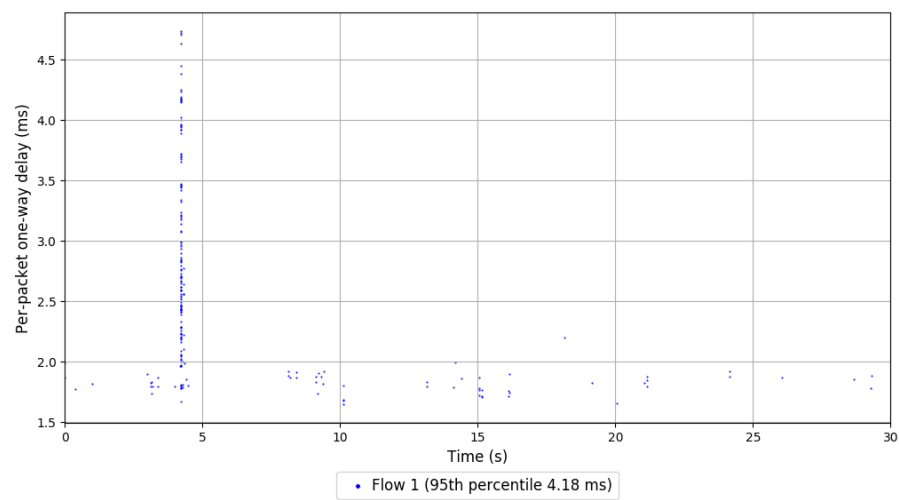
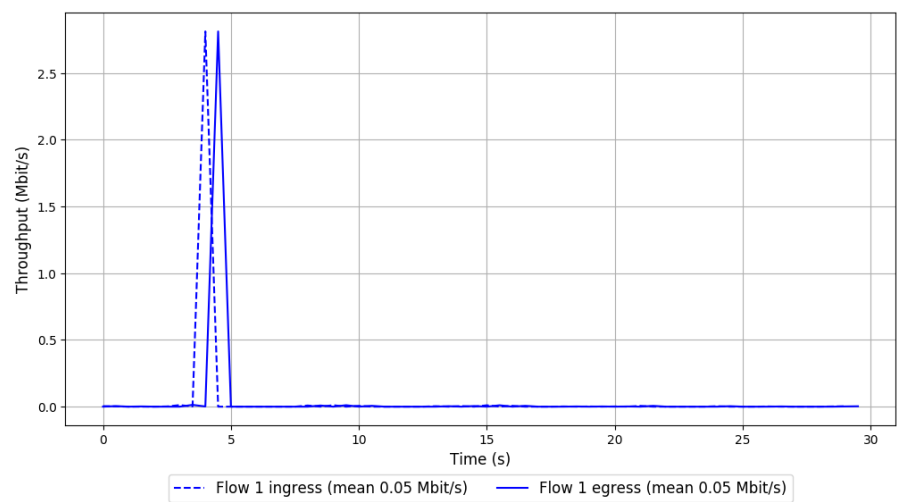
-- Flow 1:

Average throughput: 0.05 Mbit/s

95th percentile per-packet one-way delay: 4.176 ms

Loss rate: 0.00%

Run 3: Report of WebRTC media — Data Link



Run 4: Statistics of WebRTC media

Start at: 2019-07-17 19:06:32

End at: 2019-07-17 19:07:02

Local clock offset: -1.999 ms

Remote clock offset: 0.314 ms

Below is generated by plot.py at 2019-07-17 19:52:36

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.05 Mbit/s

95th percentile per-packet one-way delay: 3.991 ms

Loss rate: 0.00%

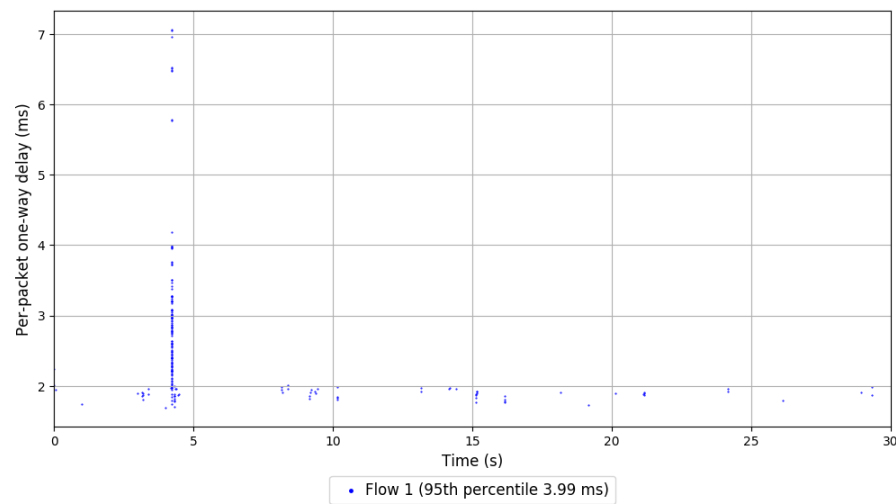
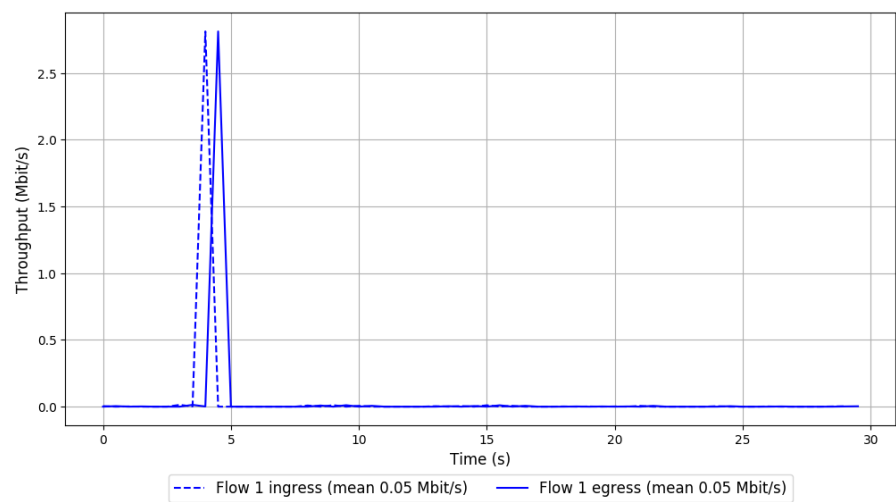
-- Flow 1:

Average throughput: 0.05 Mbit/s

95th percentile per-packet one-way delay: 3.991 ms

Loss rate: 0.00%

Run 4: Report of WebRTC media — Data Link



Run 5: Statistics of WebRTC media

Start at: 2019-07-17 19:33:39

End at: 2019-07-17 19:34:09

Local clock offset: -4.391 ms

Remote clock offset: 0.263 ms

Below is generated by plot.py at 2019-07-17 19:52:36

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.05 Mbit/s

95th percentile per-packet one-way delay: 3.372 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 0.05 Mbit/s

95th percentile per-packet one-way delay: 3.372 ms

Loss rate: 0.00%

Run 5: Report of WebRTC media — Data Link

