

Pantheon Report

Generated at 2019-02-11 14:08:15 (UTC).

Data path: AWS Brazil 1 on `ens5` (*local*) → Brazil on `p4p1` (*remote*).

Repeated the test of 21 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.

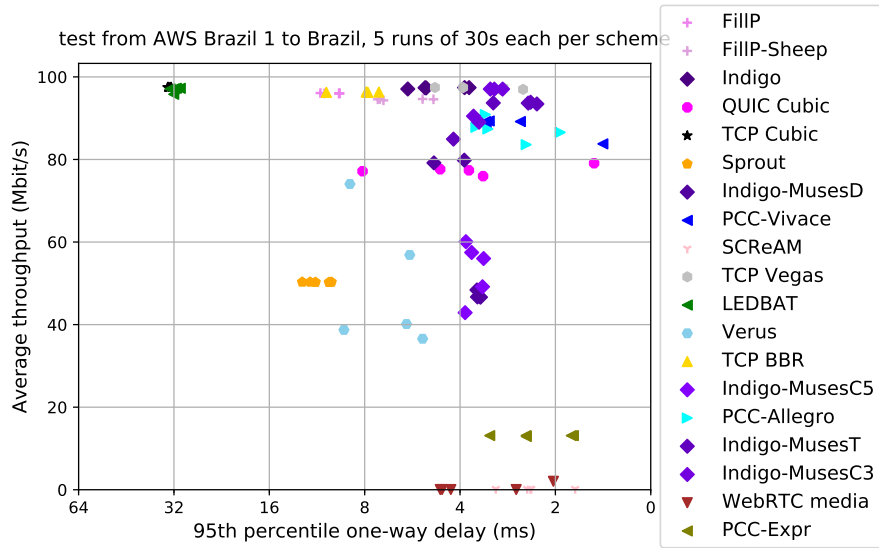
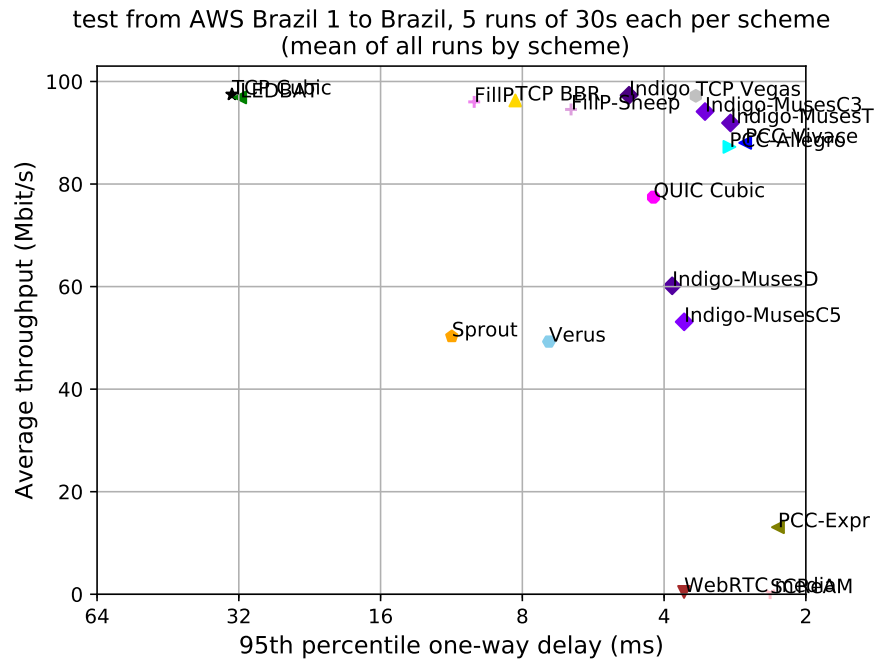
System info:

```
Linux 4.15.0-1031-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 @ 7a686f7c2ed0a333082c0bab1fa5c921ab47e6ee
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/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	96.30	8.28	0.00
Copa	0	N/A	N/A	N/A
TCP Cubic	5	97.47	33.10	0.01
FillP	5	96.02	10.12	0.28
FillP-Sheep	5	94.55	6.30	0.08
Indigo	5	97.32	4.75	0.01
Indigo-MusesC3	5	94.14	3.27	0.00
Indigo-MusesC5	5	53.13	3.63	0.00
Indigo-MusesD	5	60.15	3.85	0.00
Indigo-MusesT	5	91.92	2.89	0.00
LEDBAT	5	96.89	31.79	0.01
PCC-Allegro	5	87.24	2.91	0.00
PCC-Expr	5	13.08	2.29	21.50
QUIC Cubic	5	77.44	4.21	0.26
SCReAM	5	0.22	2.38	0.00
Sprout	5	50.29	11.29	0.00
TaoVA-100x	0	N/A	N/A	N/A
TCP Vegas	5	97.20	3.43	0.00
Verus	5	49.27	7.02	1.46
PCC-Vivace	5	88.03	2.69	0.00
WebRTC media	5	0.45	3.63	0.00

Run 1: Statistics of TCP BBR

Start at: 2019-02-11 12:19:53

End at: 2019-02-11 12:20:23

Local clock offset: -2.901 ms

Remote clock offset: 0.571 ms

Below is generated by plot.py at 2019-02-11 13:59:03

Datalink statistics

-- Total of 1 flow:

Average throughput: 96.26 Mbit/s

95th percentile per-packet one-way delay: 10.568 ms

Loss rate: 0.00%

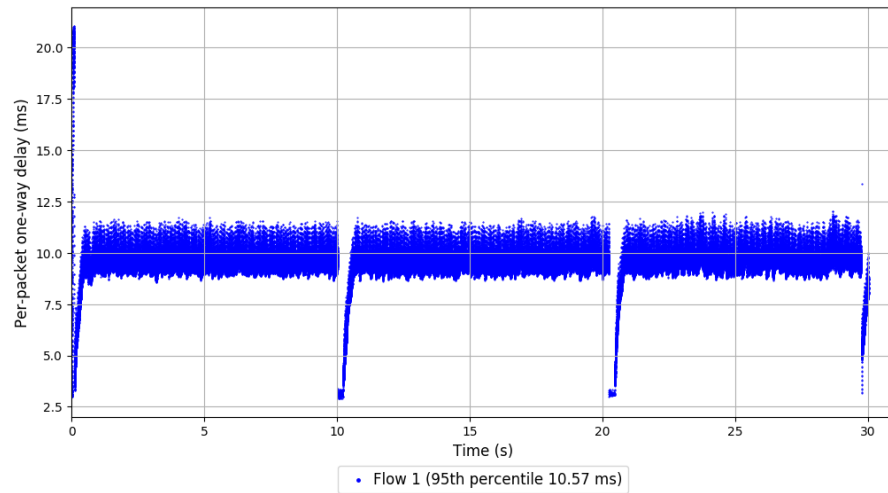
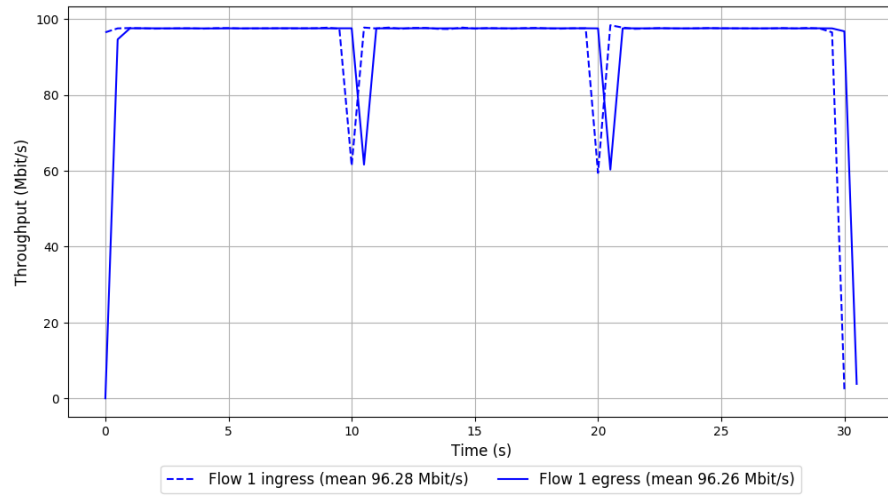
-- Flow 1:

Average throughput: 96.26 Mbit/s

95th percentile per-packet one-way delay: 10.568 ms

Loss rate: 0.00%

Run 1: Report of TCP BBR — Data Link



Run 2: Statistics of TCP BBR

Start at: 2019-02-11 12:43:20

End at: 2019-02-11 12:43:50

Local clock offset: -3.214 ms

Remote clock offset: 1.066 ms

Below is generated by plot.py at 2019-02-11 13:59:03

Datalink statistics

-- Total of 1 flow:

Average throughput: 96.33 Mbit/s

95th percentile per-packet one-way delay: 7.878 ms

Loss rate: 0.00%

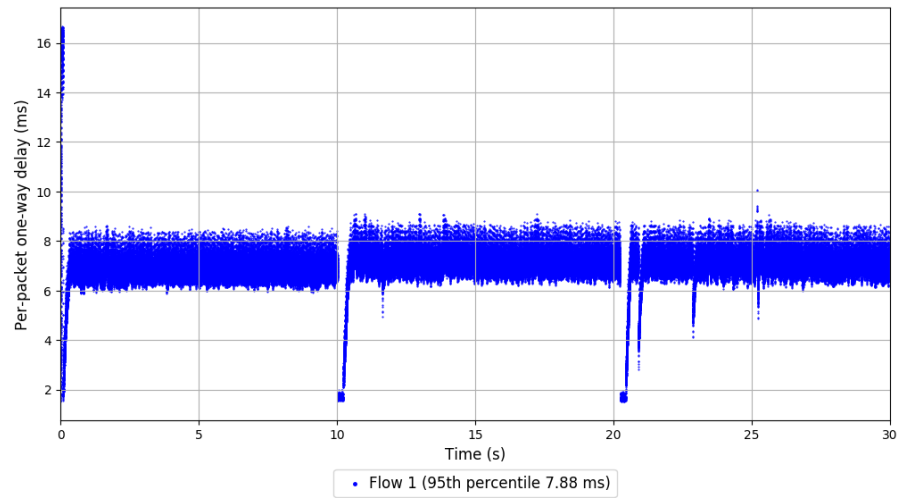
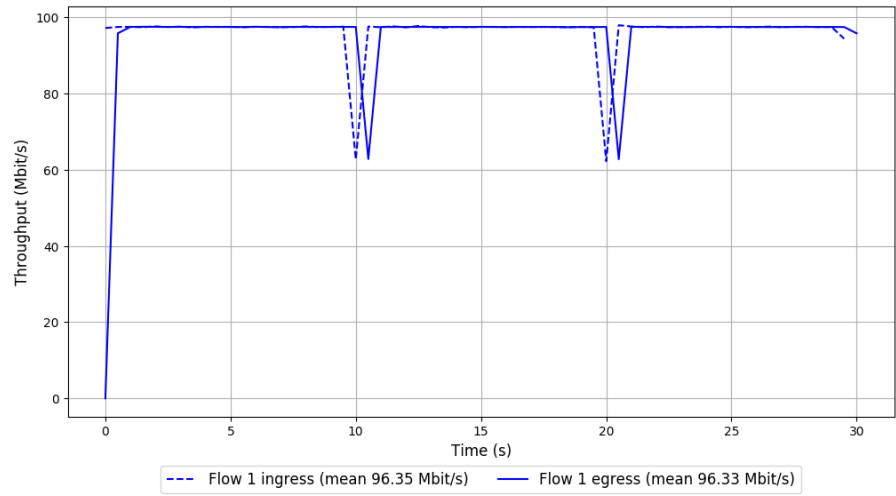
-- Flow 1:

Average throughput: 96.33 Mbit/s

95th percentile per-packet one-way delay: 7.878 ms

Loss rate: 0.00%

Run 2: Report of TCP BBR — Data Link



Run 3: Statistics of TCP BBR

Start at: 2019-02-11 13:06:45

End at: 2019-02-11 13:07:15

Local clock offset: -3.279 ms

Remote clock offset: 1.224 ms

Below is generated by plot.py at 2019-02-11 13:59:03

Datalink statistics

-- Total of 1 flow:

Average throughput: 96.24 Mbit/s

95th percentile per-packet one-way delay: 7.815 ms

Loss rate: 0.00%

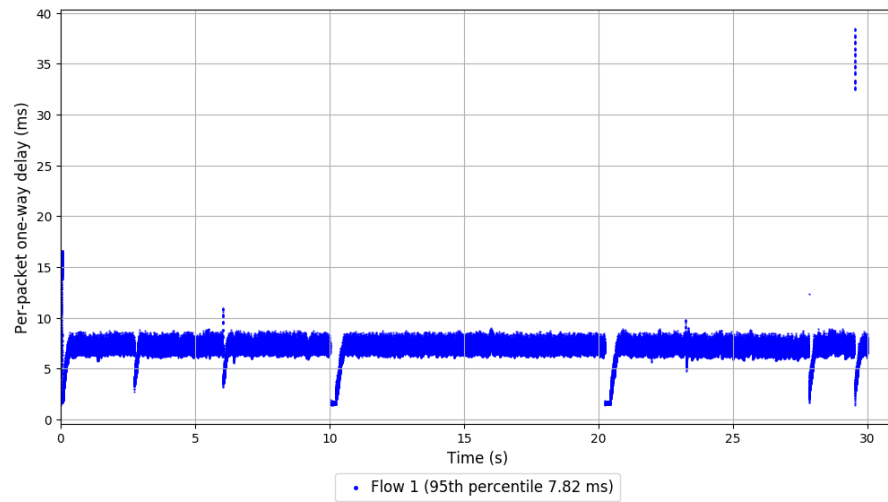
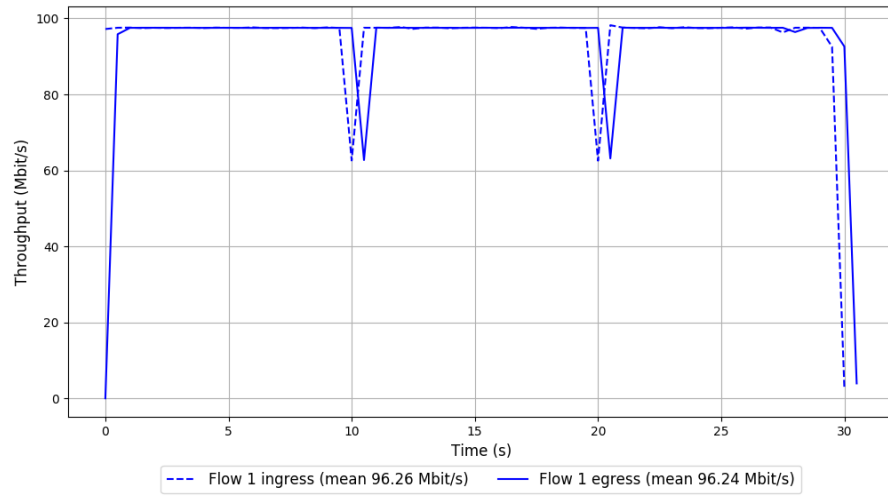
-- Flow 1:

Average throughput: 96.24 Mbit/s

95th percentile per-packet one-way delay: 7.815 ms

Loss rate: 0.00%

Run 3: Report of TCP BBR — Data Link



Run 4: Statistics of TCP BBR

Start at: 2019-02-11 13:30:09

End at: 2019-02-11 13:30:39

Local clock offset: -4.624 ms

Remote clock offset: 1.236 ms

Below is generated by plot.py at 2019-02-11 13:59:03

Datalink statistics

-- Total of 1 flow:

Average throughput: 96.34 Mbit/s

95th percentile per-packet one-way delay: 7.912 ms

Loss rate: 0.00%

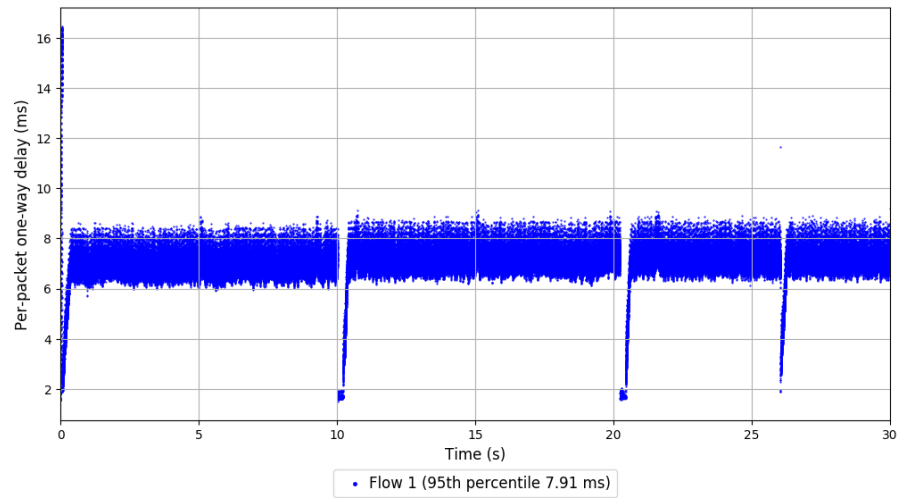
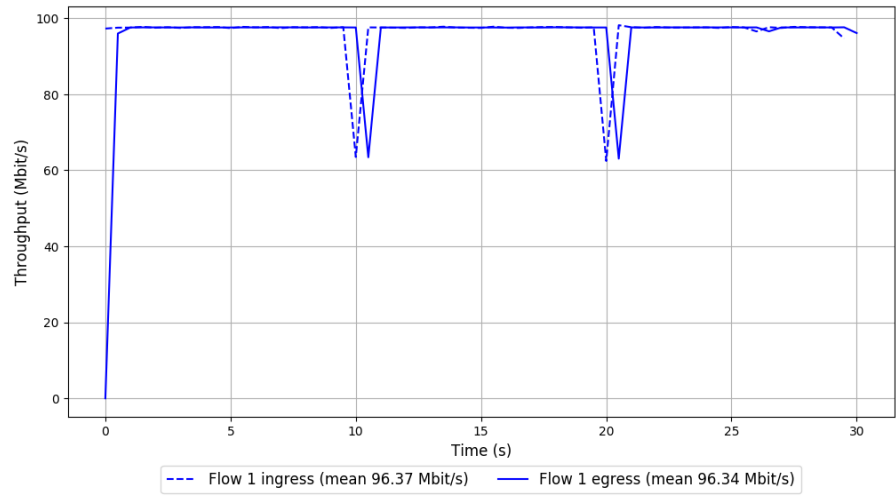
-- Flow 1:

Average throughput: 96.34 Mbit/s

95th percentile per-packet one-way delay: 7.912 ms

Loss rate: 0.00%

Run 4: Report of TCP BBR — Data Link



Run 5: Statistics of TCP BBR

Start at: 2019-02-11 13:53:36

End at: 2019-02-11 13:54:06

Local clock offset: -2.921 ms

Remote clock offset: 1.036 ms

Below is generated by plot.py at 2019-02-11 13:59:03

Datalink statistics

-- Total of 1 flow:

Average throughput: 96.32 Mbit/s

95th percentile per-packet one-way delay: 7.217 ms

Loss rate: 0.00%

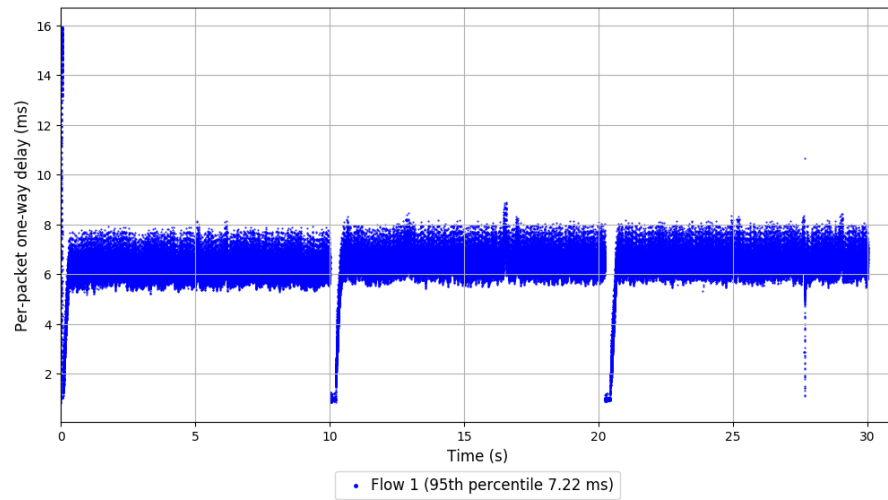
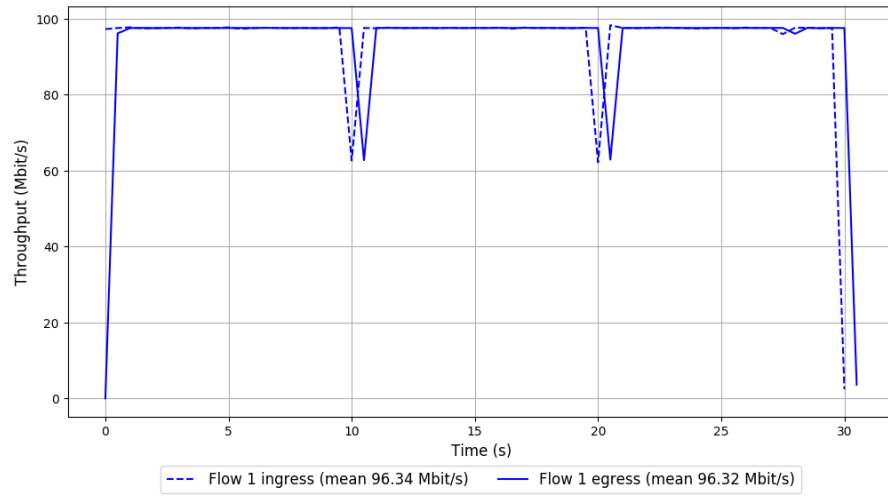
-- Flow 1:

Average throughput: 96.32 Mbit/s

95th percentile per-packet one-way delay: 7.217 ms

Loss rate: 0.00%

Run 5: Report of TCP BBR — Data Link



Run 1: Statistics of Copa

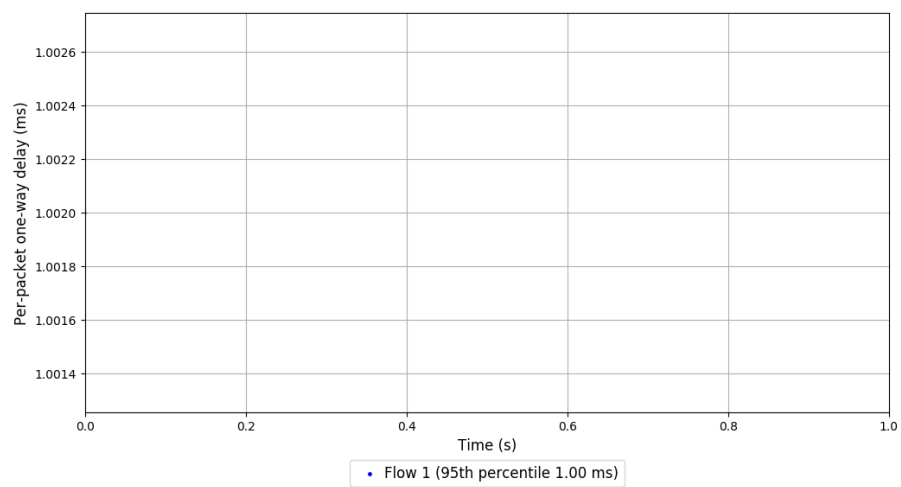
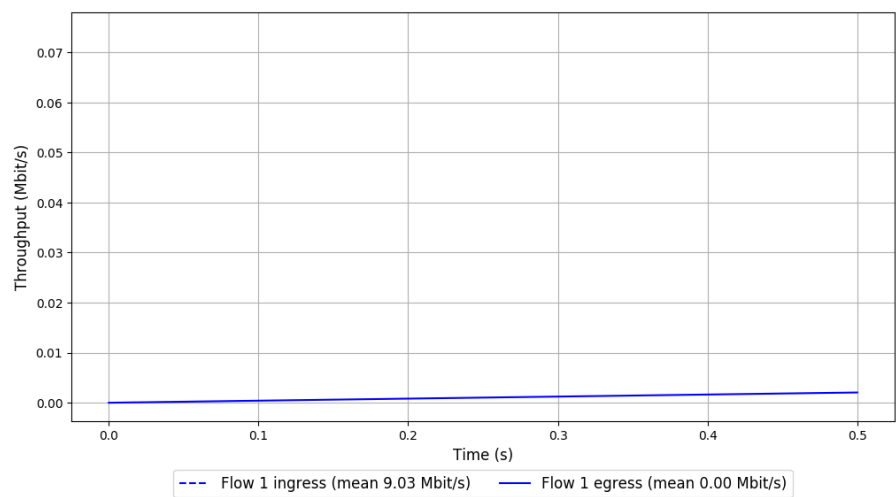
Start at: 2019-02-11 11:59:49

End at: 2019-02-11 12:00:19

Local clock offset: -0.225 ms

Remote clock offset: 0.439 ms

Run 1: Report of Copa — Data Link



Run 2: Statistics of Copa

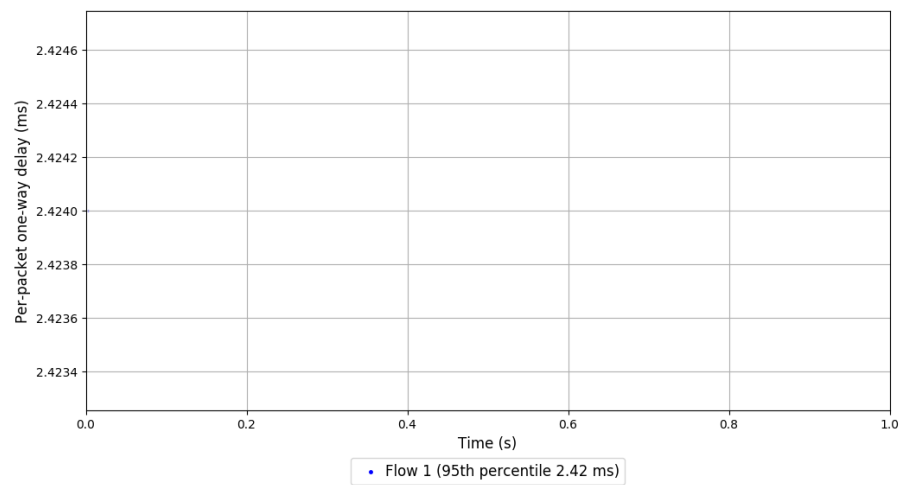
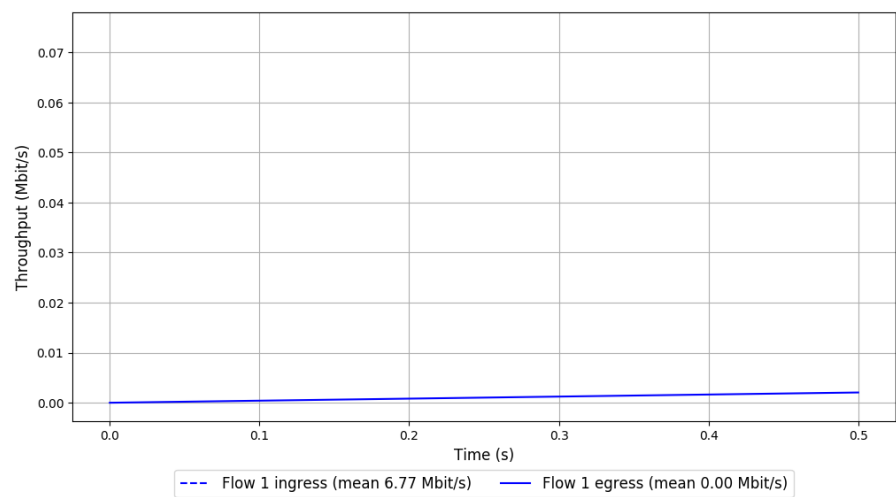
Start at: 2019-02-11 12:23:16

End at: 2019-02-11 12:23:46

Local clock offset: -2.162 ms

Remote clock offset: 0.697 ms

Run 2: Report of Copa — Data Link



Run 3: Statistics of Copa

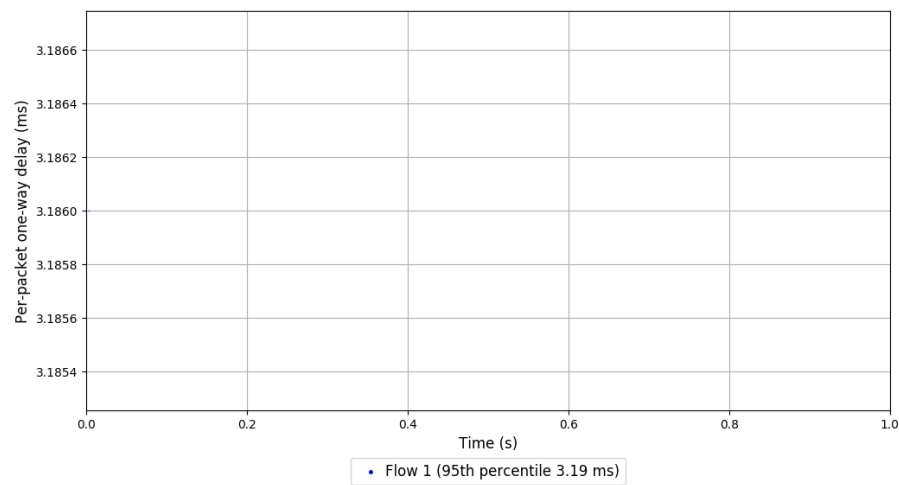
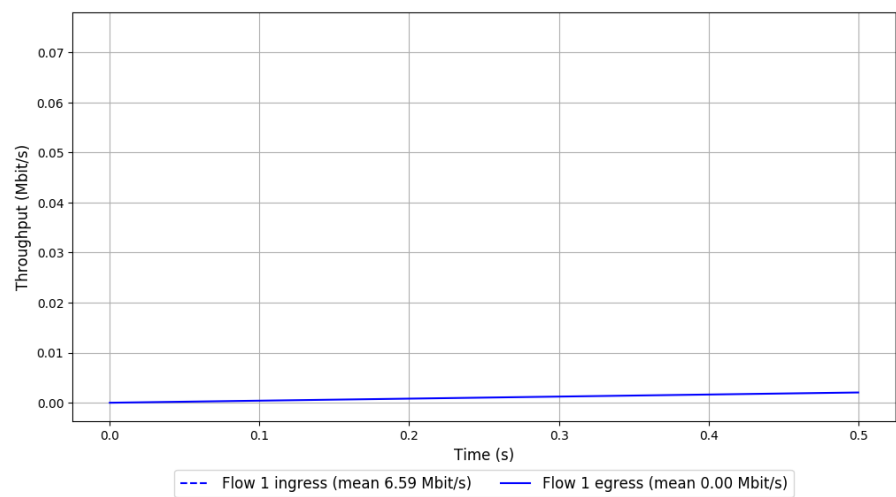
Start at: 2019-02-11 12:46:43

End at: 2019-02-11 12:47:13

Local clock offset: -3.275 ms

Remote clock offset: 1.121 ms

Run 3: Report of Copa — Data Link



Run 4: Statistics of Copa

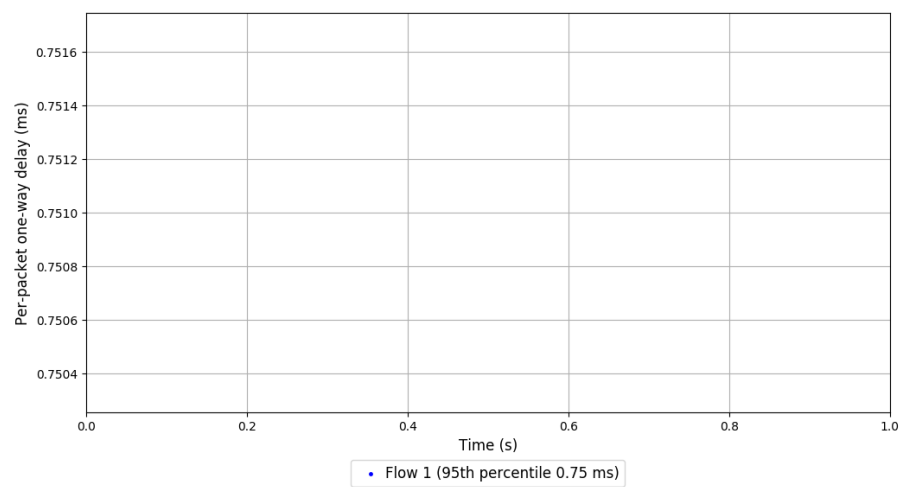
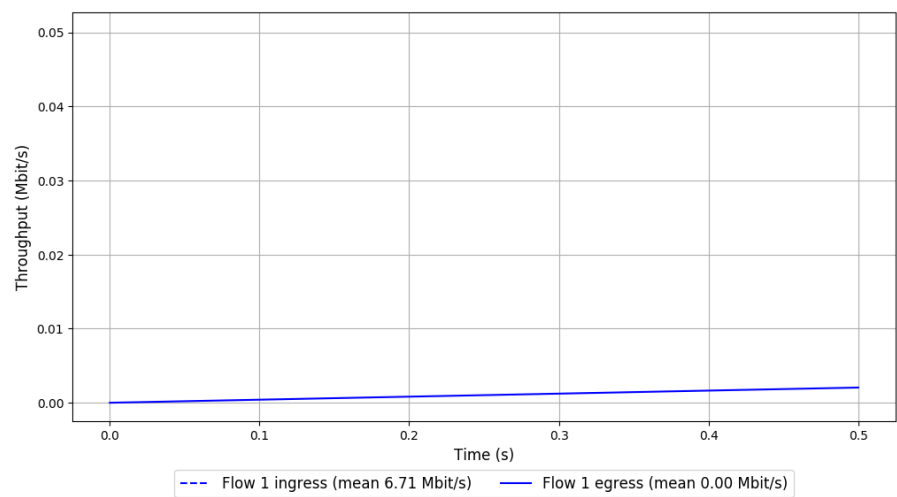
Start at: 2019-02-11 13:10:08

End at: 2019-02-11 13:10:38

Local clock offset: -3.098 ms

Remote clock offset: 1.23 ms

Run 4: Report of Copa — Data Link



Run 5: Statistics of Copa

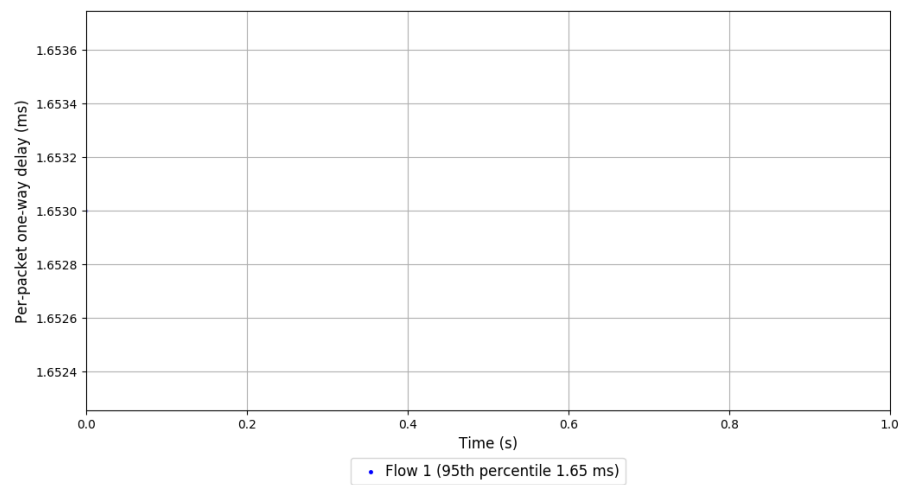
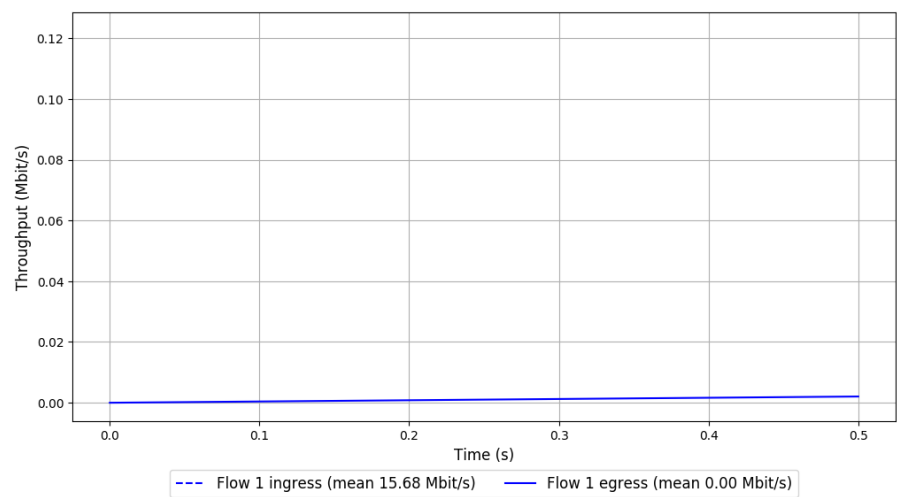
Start at: 2019-02-11 13:33:33

End at: 2019-02-11 13:34:03

Local clock offset: -4.587 ms

Remote clock offset: 1.208 ms

Run 5: Report of Copa — Data Link



Run 1: Statistics of TCP Cubic

Start at: 2019-02-11 12:16:34

End at: 2019-02-11 12:17:04

Local clock offset: -2.076 ms

Remote clock offset: 0.7 ms

Below is generated by plot.py at 2019-02-11 13:59:04

Datalink statistics

-- Total of 1 flow:

Average throughput: 97.48 Mbit/s

95th percentile per-packet one-way delay: 32.663 ms

Loss rate: 0.01%

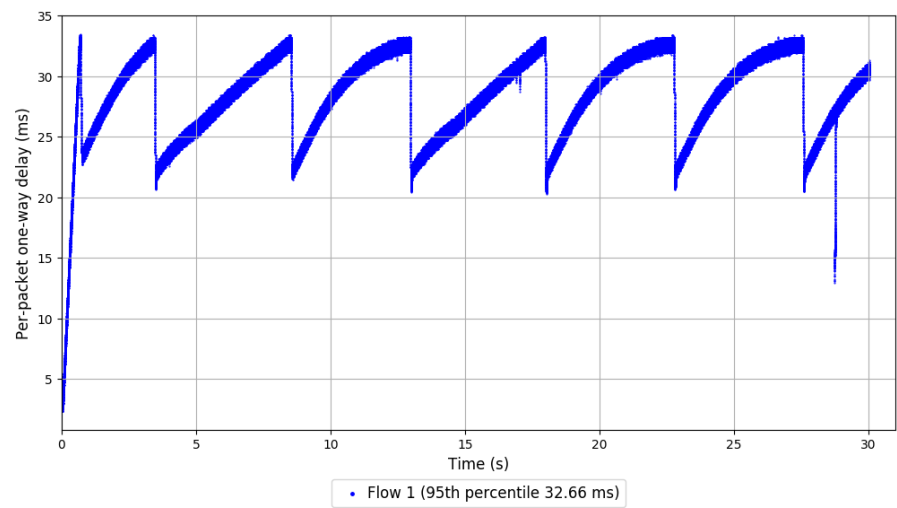
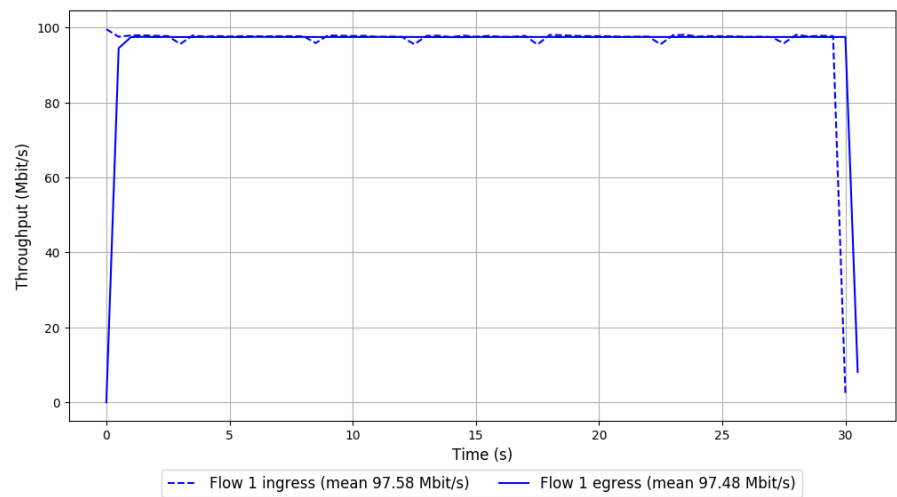
-- Flow 1:

Average throughput: 97.48 Mbit/s

95th percentile per-packet one-way delay: 32.663 ms

Loss rate: 0.01%

Run 1: Report of TCP Cubic — Data Link



Run 2: Statistics of TCP Cubic

Start at: 2019-02-11 12:40:00

End at: 2019-02-11 12:40:30

Local clock offset: -3.065 ms

Remote clock offset: 1.034 ms

Below is generated by plot.py at 2019-02-11 13:59:05

Datalink statistics

-- Total of 1 flow:

Average throughput: 97.48 Mbit/s

95th percentile per-packet one-way delay: 33.203 ms

Loss rate: 0.01%

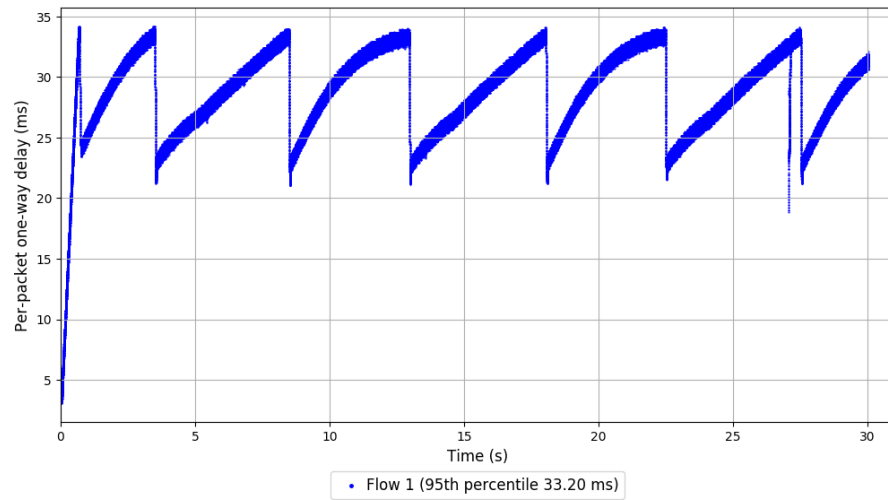
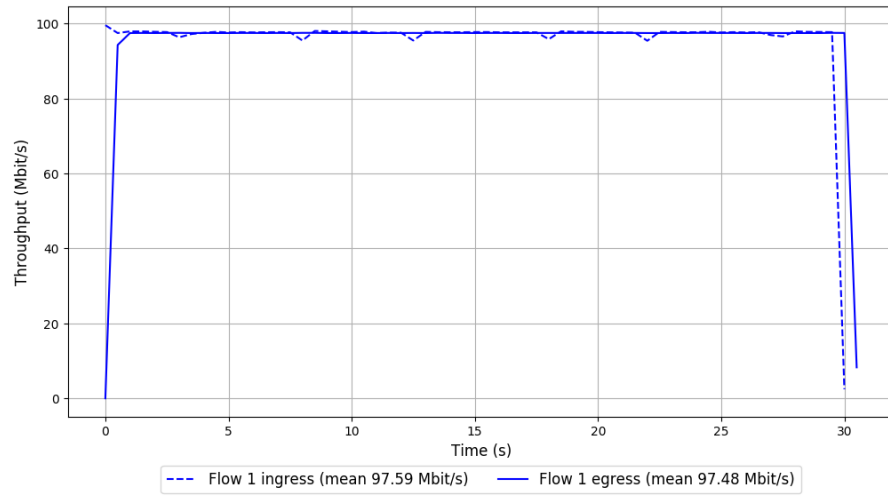
-- Flow 1:

Average throughput: 97.48 Mbit/s

95th percentile per-packet one-way delay: 33.203 ms

Loss rate: 0.01%

Run 2: Report of TCP Cubic — Data Link



Run 3: Statistics of TCP Cubic

Start at: 2019-02-11 13:03:26

End at: 2019-02-11 13:03:56

Local clock offset: -2.786 ms

Remote clock offset: 1.215 ms

Below is generated by plot.py at 2019-02-11 13:59:05

Datalink statistics

-- Total of 1 flow:

Average throughput: 97.46 Mbit/s

95th percentile per-packet one-way delay: 33.468 ms

Loss rate: 0.01%

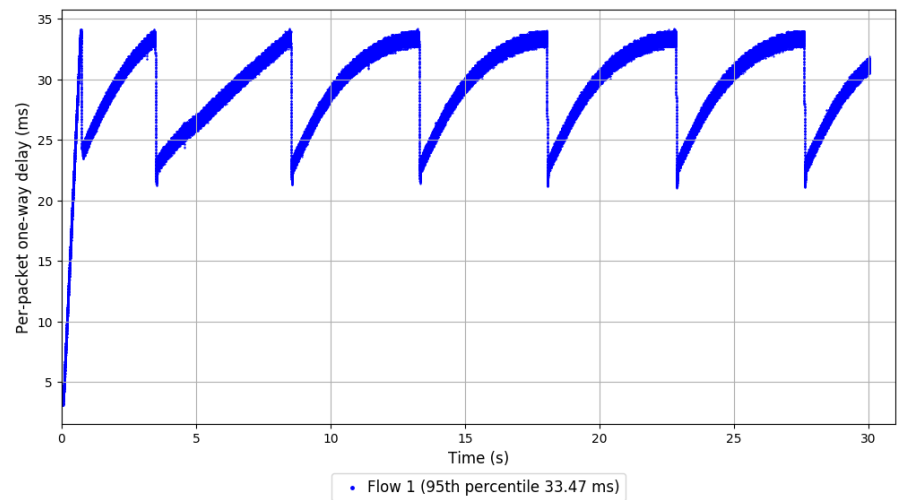
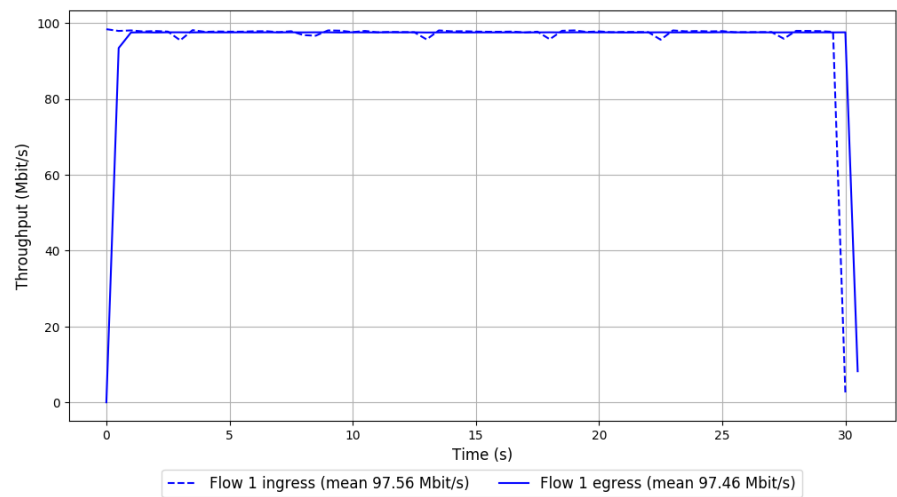
-- Flow 1:

Average throughput: 97.46 Mbit/s

95th percentile per-packet one-way delay: 33.468 ms

Loss rate: 0.01%

Run 3: Report of TCP Cubic — Data Link



Run 4: Statistics of TCP Cubic

Start at: 2019-02-11 13:26:51

End at: 2019-02-11 13:27:21

Local clock offset: -4.622 ms

Remote clock offset: 1.324 ms

Below is generated by plot.py at 2019-02-11 14:00:12

Datalink statistics

-- Total of 1 flow:

Average throughput: 97.47 Mbit/s

95th percentile per-packet one-way delay: 33.458 ms

Loss rate: 0.01%

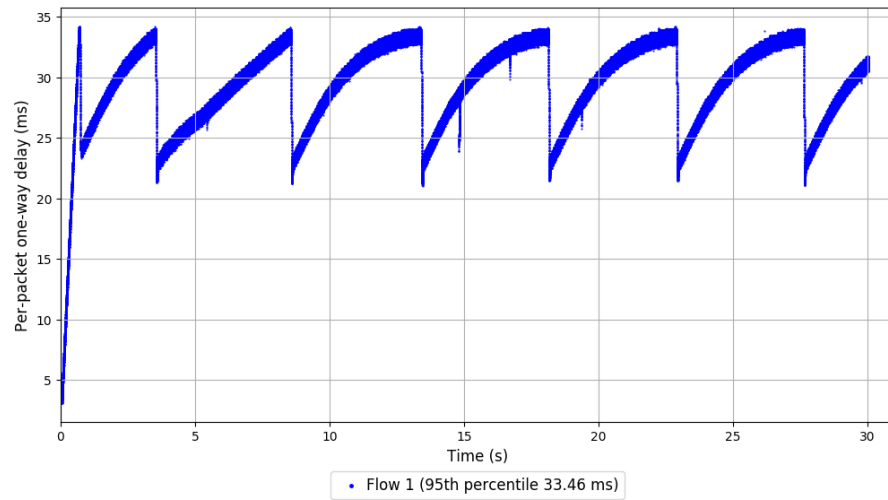
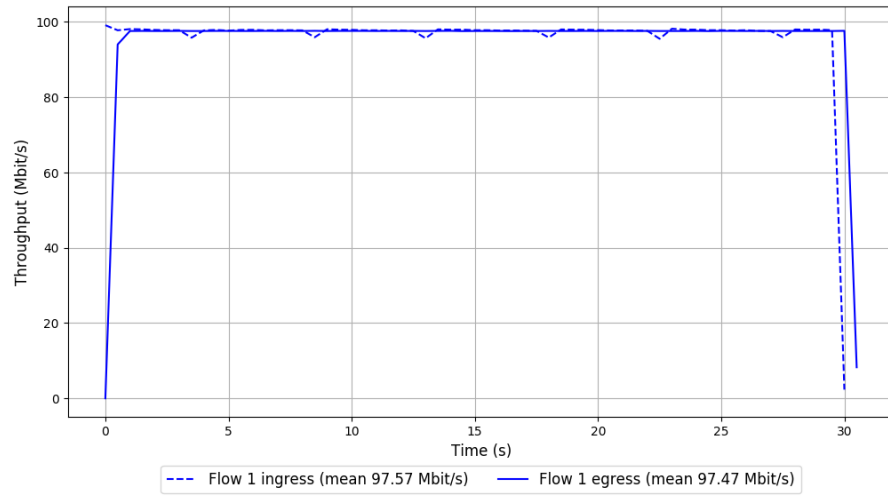
-- Flow 1:

Average throughput: 97.47 Mbit/s

95th percentile per-packet one-way delay: 33.458 ms

Loss rate: 0.01%

Run 4: Report of TCP Cubic — Data Link



Run 5: Statistics of TCP Cubic

Start at: 2019-02-11 13:50:16

End at: 2019-02-11 13:50:46

Local clock offset: -3.022 ms

Remote clock offset: 1.099 ms

Below is generated by plot.py at 2019-02-11 14:00:12

Datalink statistics

-- Total of 1 flow:

Average throughput: 97.46 Mbit/s

95th percentile per-packet one-way delay: 32.685 ms

Loss rate: 0.02%

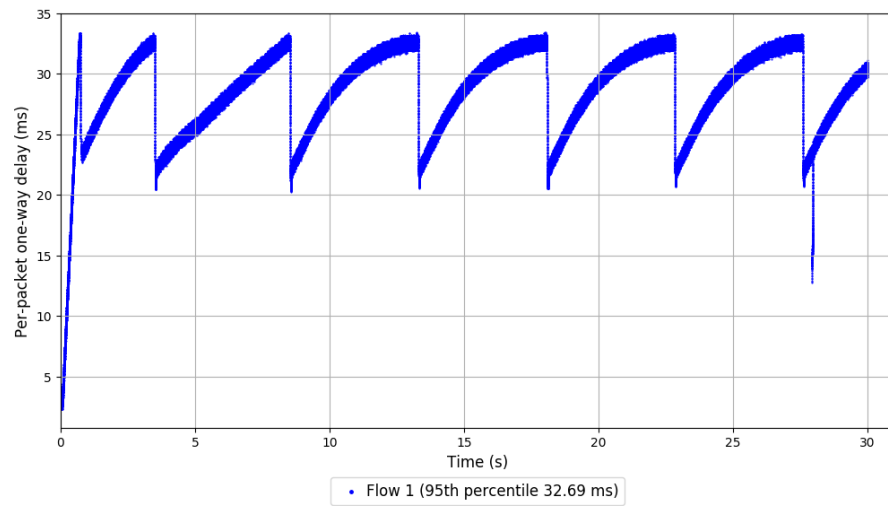
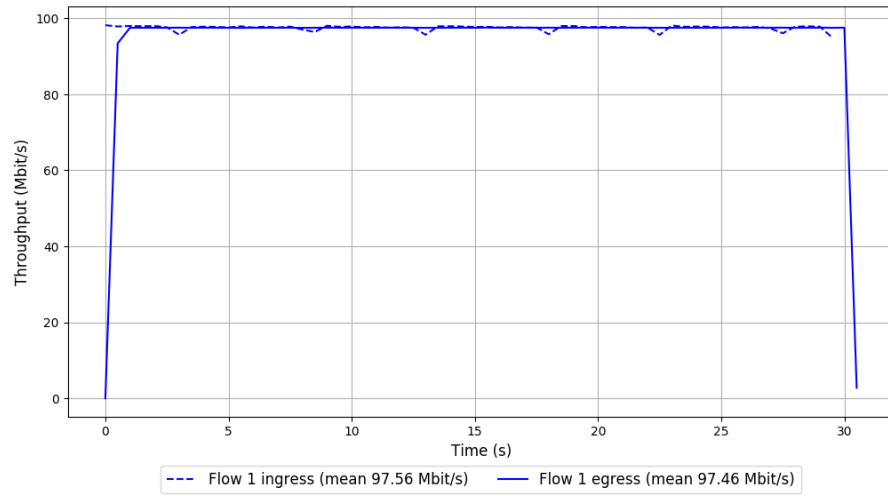
-- Flow 1:

Average throughput: 97.46 Mbit/s

95th percentile per-packet one-way delay: 32.685 ms

Loss rate: 0.02%

Run 5: Report of TCP Cubic — Data Link



Run 1: Statistics of FillP

Start at: 2019-02-11 12:06:34

End at: 2019-02-11 12:07:04

Local clock offset: -0.532 ms

Remote clock offset: 0.579 ms

Below is generated by plot.py at 2019-02-11 14:00:21

Datalink statistics

-- Total of 1 flow:

Average throughput: 96.01 Mbit/s

95th percentile per-packet one-way delay: 10.717 ms

Loss rate: 0.26%

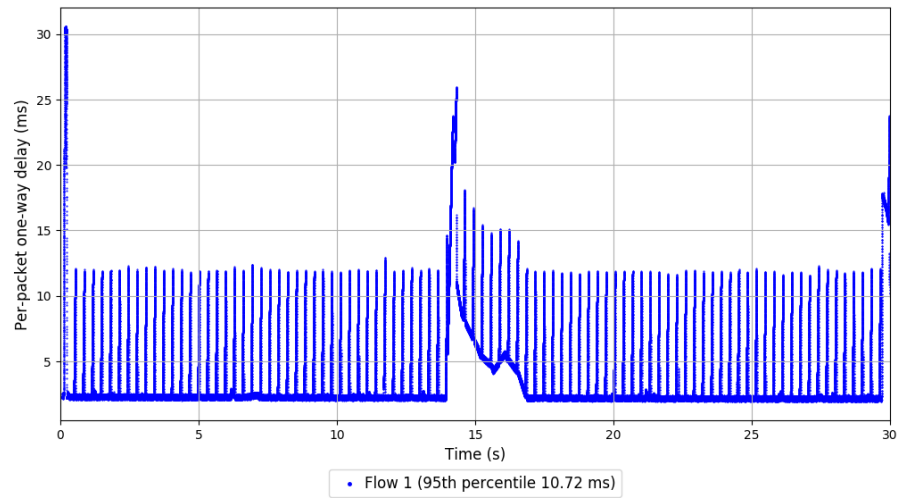
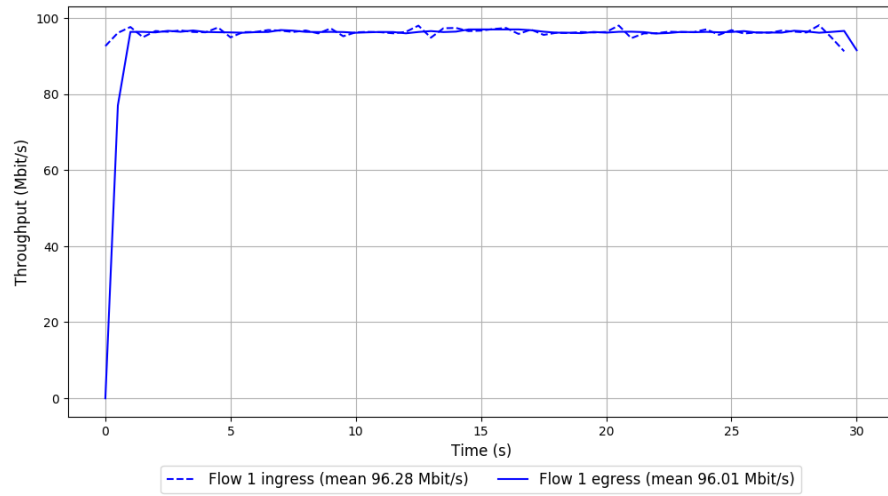
-- Flow 1:

Average throughput: 96.01 Mbit/s

95th percentile per-packet one-way delay: 10.717 ms

Loss rate: 0.26%

Run 1: Report of FillP — Data Link



Run 2: Statistics of FillP

Start at: 2019-02-11 12:30:00

End at: 2019-02-11 12:30:30

Local clock offset: -1.823 ms

Remote clock offset: 0.734 ms

Below is generated by plot.py at 2019-02-11 14:00:21

Datalink statistics

-- Total of 1 flow:

Average throughput: 96.00 Mbit/s

95th percentile per-packet one-way delay: 9.645 ms

Loss rate: 0.33%

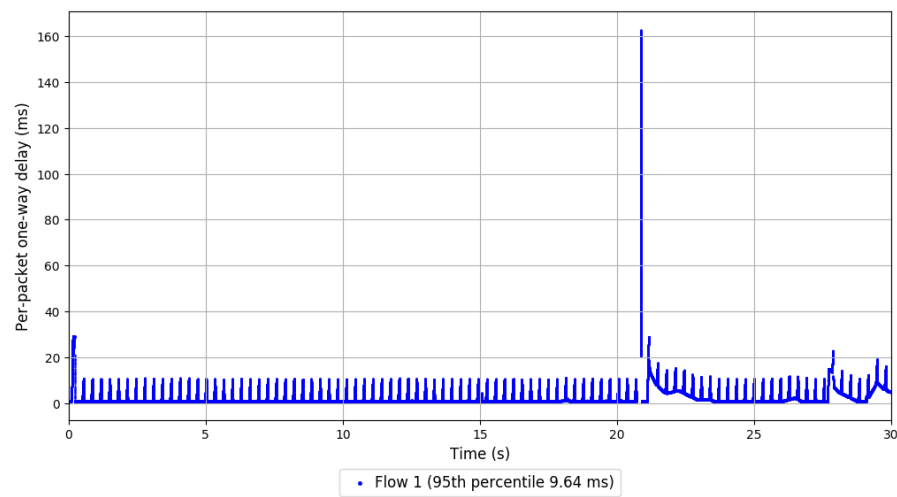
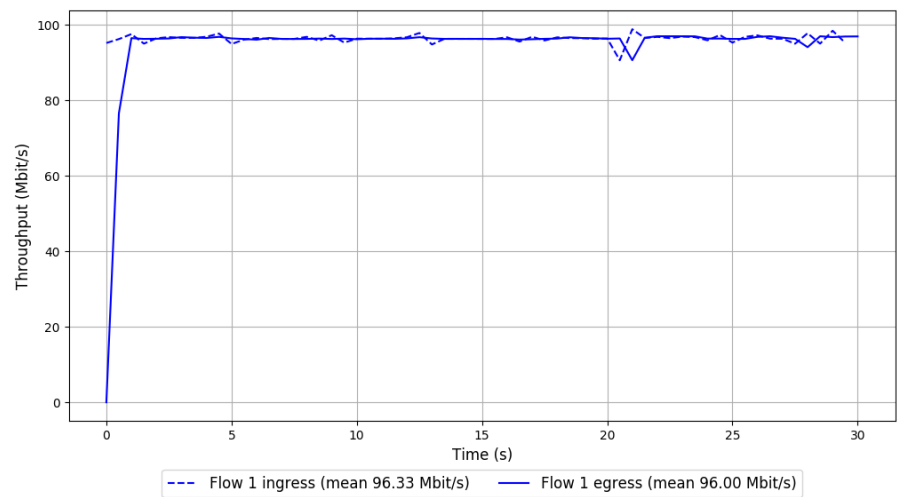
-- Flow 1:

Average throughput: 96.00 Mbit/s

95th percentile per-packet one-way delay: 9.645 ms

Loss rate: 0.33%

Run 2: Report of FillP — Data Link



Run 3: Statistics of FillP

Start at: 2019-02-11 12:53:27

End at: 2019-02-11 12:53:57

Local clock offset: -2.441 ms

Remote clock offset: 1.081 ms

Below is generated by plot.py at 2019-02-11 14:00:23

Datalink statistics

-- Total of 1 flow:

Average throughput: 96.09 Mbit/s

95th percentile per-packet one-way delay: 11.039 ms

Loss rate: 0.25%

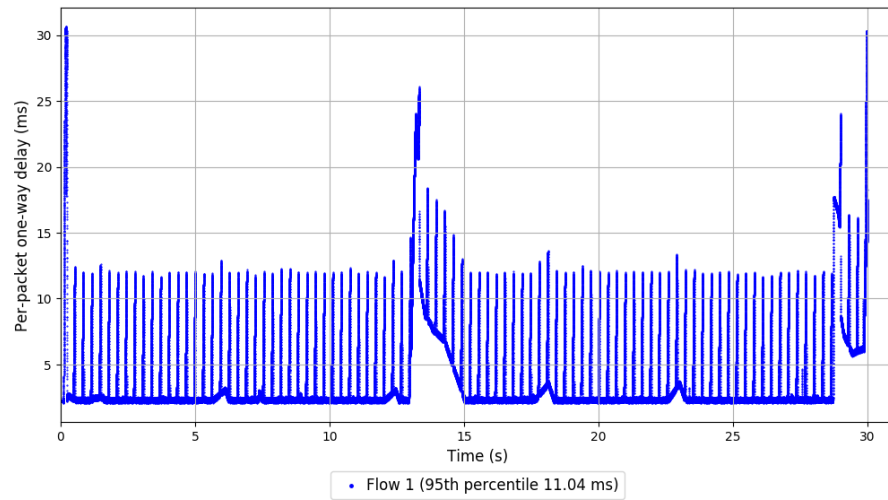
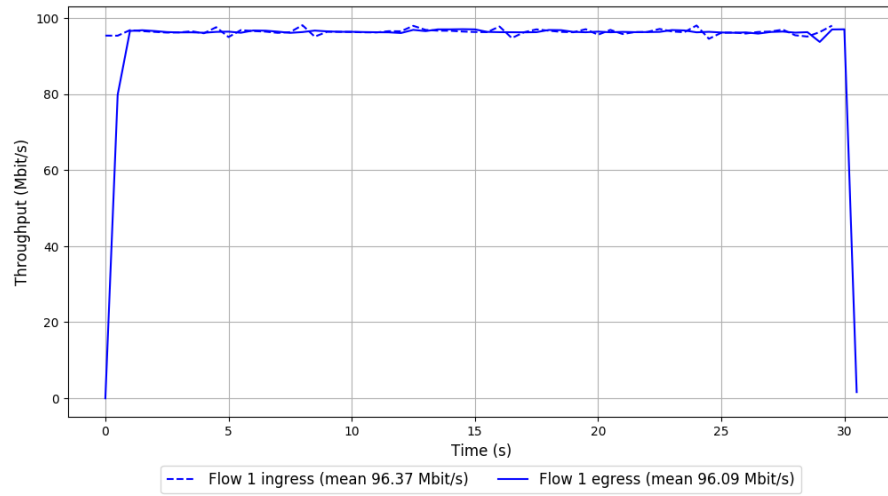
-- Flow 1:

Average throughput: 96.09 Mbit/s

95th percentile per-packet one-way delay: 11.039 ms

Loss rate: 0.25%

Run 3: Report of FillP — Data Link



Run 4: Statistics of FillP

Start at: 2019-02-11 13:16:52

End at: 2019-02-11 13:17:22

Local clock offset: -3.71 ms

Remote clock offset: 1.22 ms

Below is generated by plot.py at 2019-02-11 14:00:25

Datalink statistics

-- Total of 1 flow:

Average throughput: 95.99 Mbit/s

95th percentile per-packet one-way delay: 9.609 ms

Loss rate: 0.26%

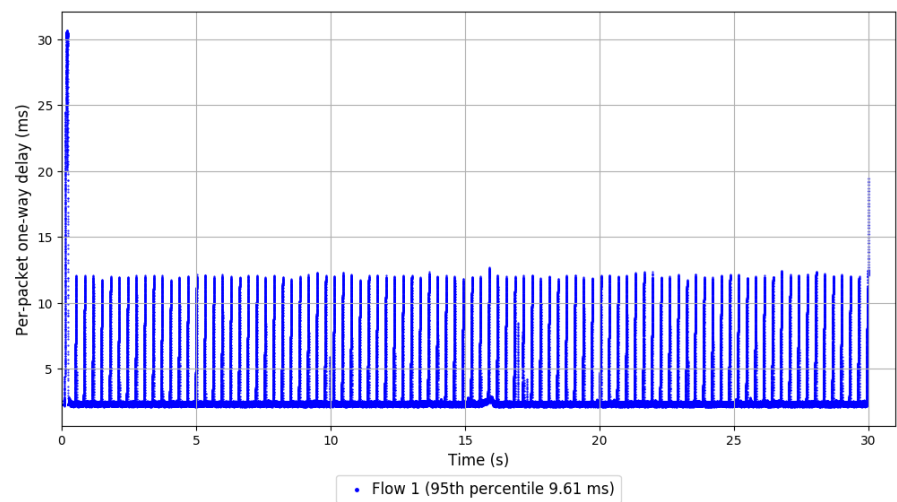
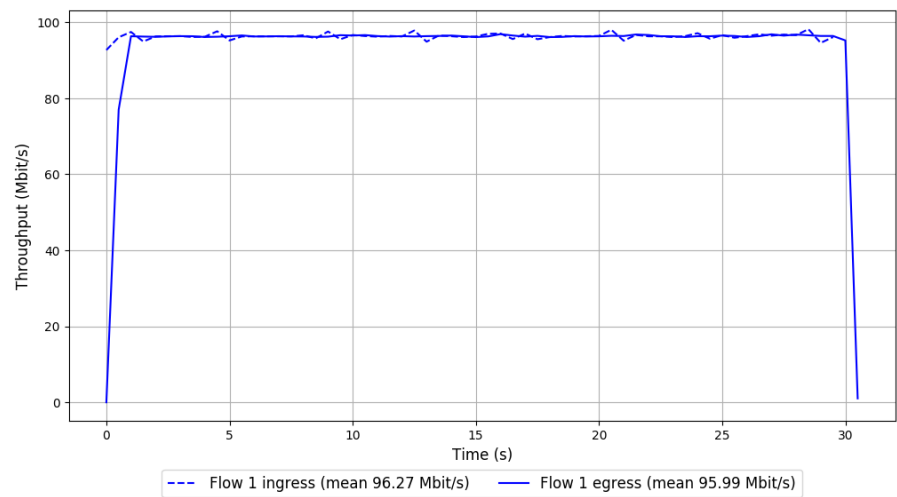
-- Flow 1:

Average throughput: 95.99 Mbit/s

95th percentile per-packet one-way delay: 9.609 ms

Loss rate: 0.26%

Run 4: Report of FillP — Data Link



Run 5: Statistics of FillP

Start at: 2019-02-11 13:40:17

End at: 2019-02-11 13:40:47

Local clock offset: -4.226 ms

Remote clock offset: 1.211 ms

Below is generated by plot.py at 2019-02-11 14:00:25

Datalink statistics

-- Total of 1 flow:

Average throughput: 96.03 Mbit/s

95th percentile per-packet one-way delay: 9.607 ms

Loss rate: 0.32%

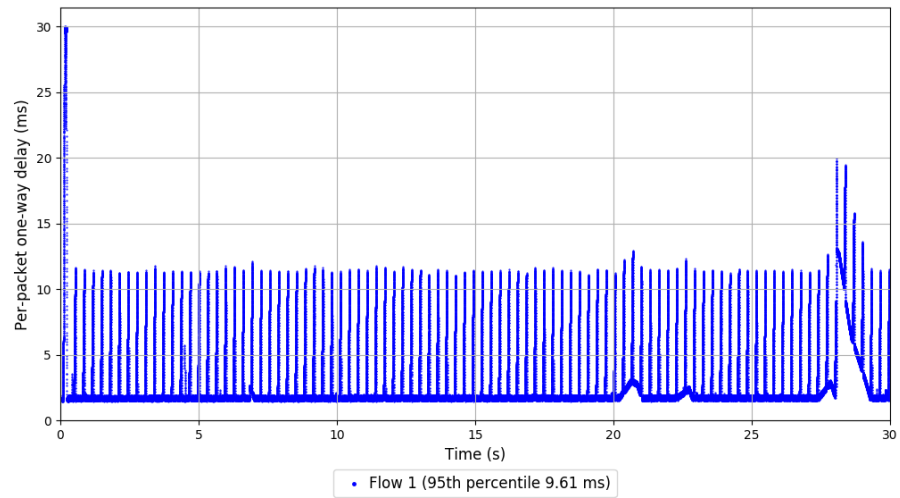
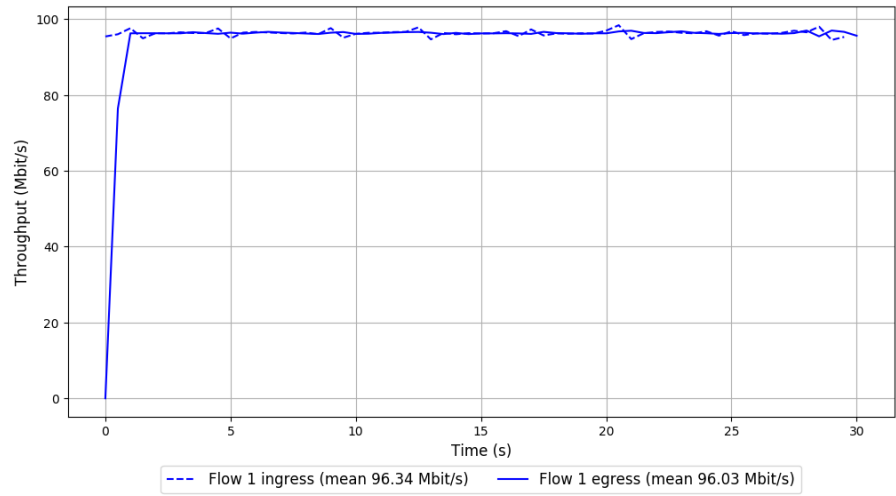
-- Flow 1:

Average throughput: 96.03 Mbit/s

95th percentile per-packet one-way delay: 9.607 ms

Loss rate: 0.32%

Run 5: Report of FillP — Data Link



Run 1: Statistics of FillP-Sheep

Start at: 2019-02-11 12:21:01

End at: 2019-02-11 12:21:31

Local clock offset: -2.887 ms

Remote clock offset: 0.625 ms

Below is generated by plot.py at 2019-02-11 14:00:25

Datalink statistics

-- Total of 1 flow:

Average throughput: 94.64 Mbit/s

95th percentile per-packet one-way delay: 7.163 ms

Loss rate: 0.09%

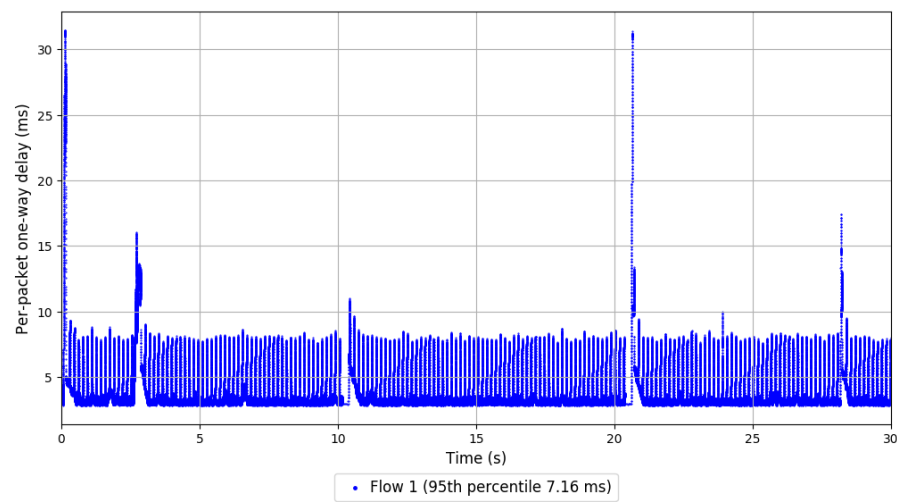
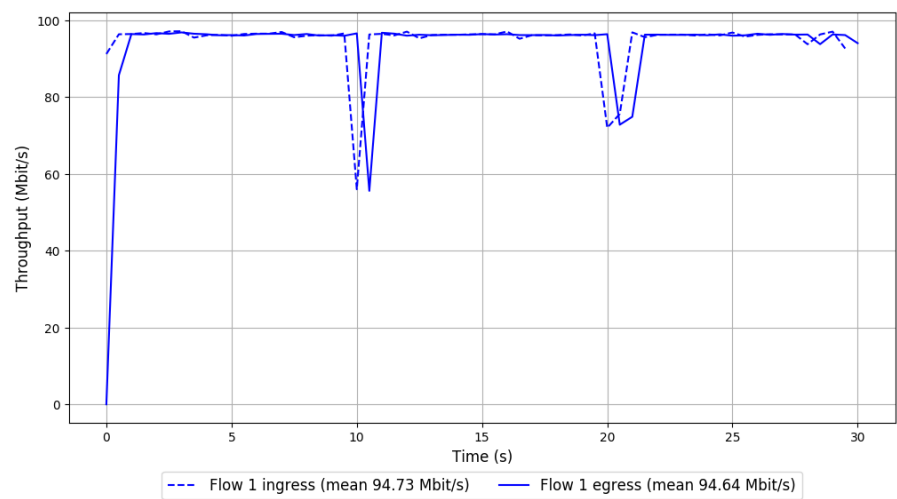
-- Flow 1:

Average throughput: 94.64 Mbit/s

95th percentile per-packet one-way delay: 7.163 ms

Loss rate: 0.09%

Run 1: Report of FillP-Sheep — Data Link

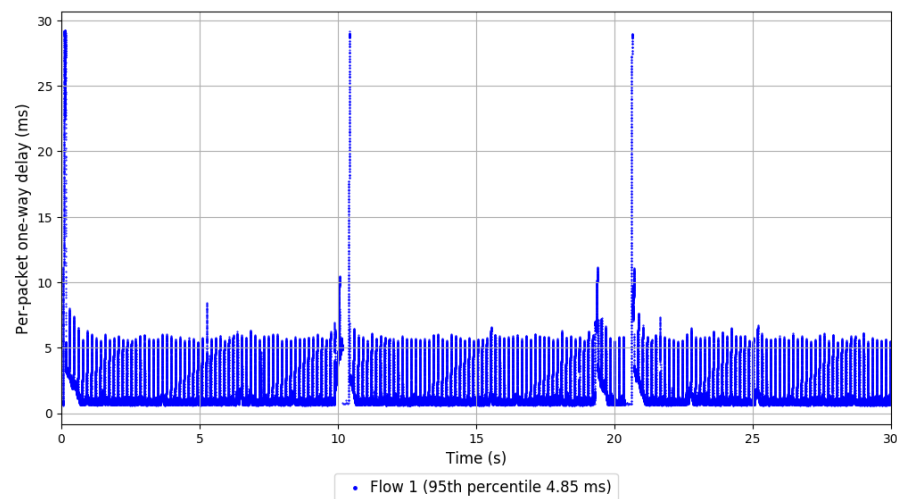
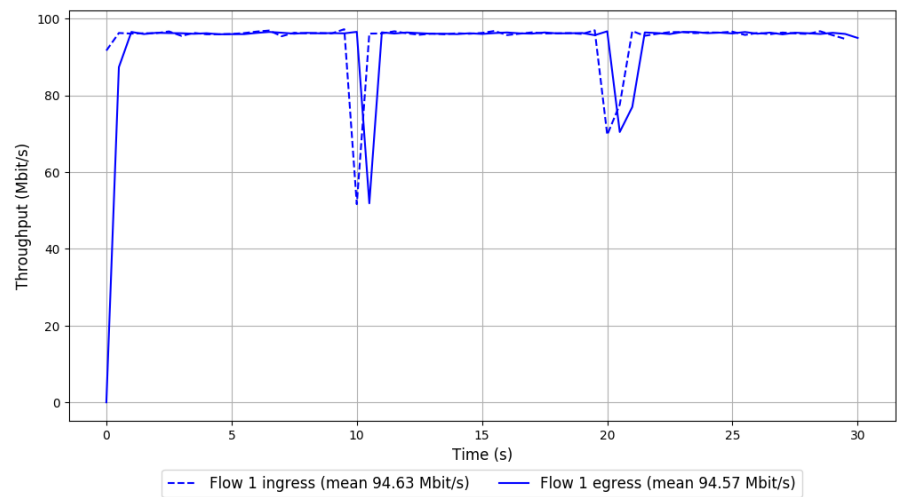


Run 2: Statistics of FillP-Sheep

Start at: 2019-02-11 12:44:28
End at: 2019-02-11 12:44:58
Local clock offset: -2.483 ms
Remote clock offset: 1.094 ms

Below is generated by plot.py at 2019-02-11 14:01:29
Datalink statistics
-- Total of 1 flow:
Average throughput: 94.57 Mbit/s
95th percentile per-packet one-way delay: 4.853 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 94.57 Mbit/s
95th percentile per-packet one-way delay: 4.853 ms
Loss rate: 0.07%

Run 2: Report of FillP-Sheep — Data Link



Run 3: Statistics of FillP-Sheep

Start at: 2019-02-11 13:07:53

End at: 2019-02-11 13:08:23

Local clock offset: -3.558 ms

Remote clock offset: 1.162 ms

Below is generated by plot.py at 2019-02-11 14:01:29

Datalink statistics

-- Total of 1 flow:

Average throughput: 94.57 Mbit/s

95th percentile per-packet one-way delay: 7.276 ms

Loss rate: 0.09%

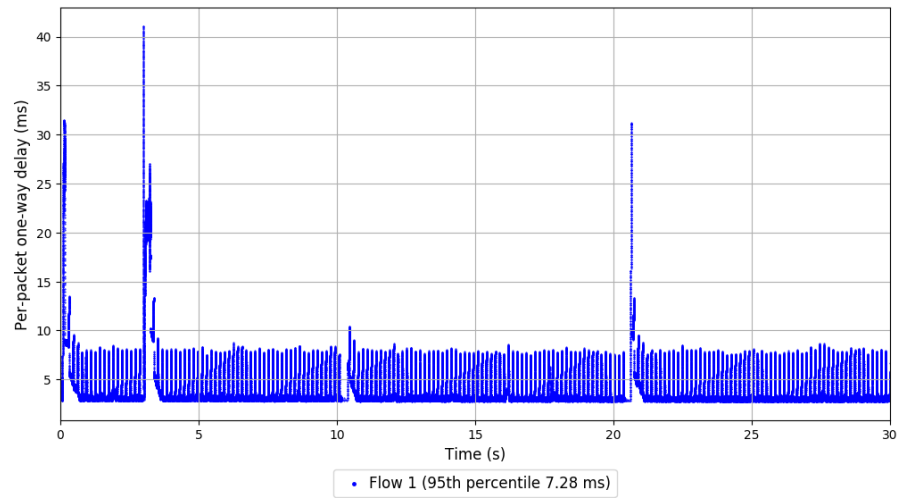
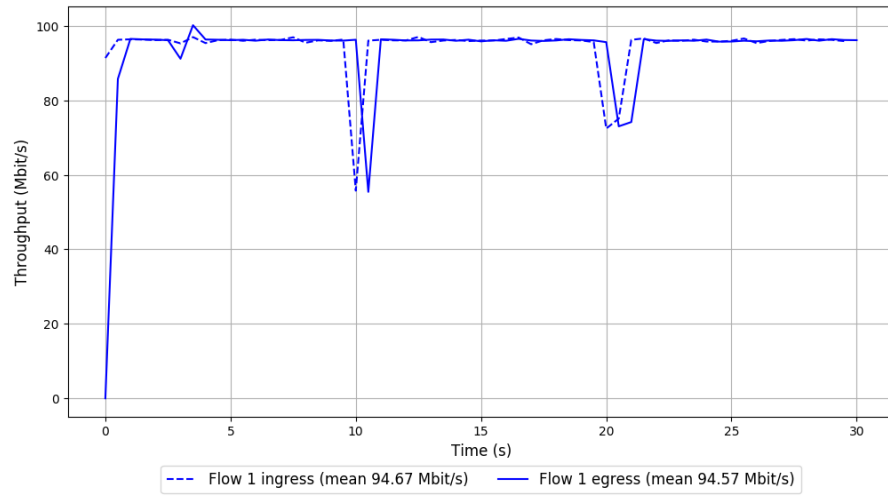
-- Flow 1:

Average throughput: 94.57 Mbit/s

95th percentile per-packet one-way delay: 7.276 ms

Loss rate: 0.09%

Run 3: Report of FillP-Sheep — Data Link



Run 4: Statistics of FillP-Sheep

Start at: 2019-02-11 13:31:18

End at: 2019-02-11 13:31:48

Local clock offset: -3.838 ms

Remote clock offset: 1.254 ms

Below is generated by plot.py at 2019-02-11 14:01:41

Datalink statistics

-- Total of 1 flow:

Average throughput: 94.65 Mbit/s

95th percentile per-packet one-way delay: 5.251 ms

Loss rate: 0.07%

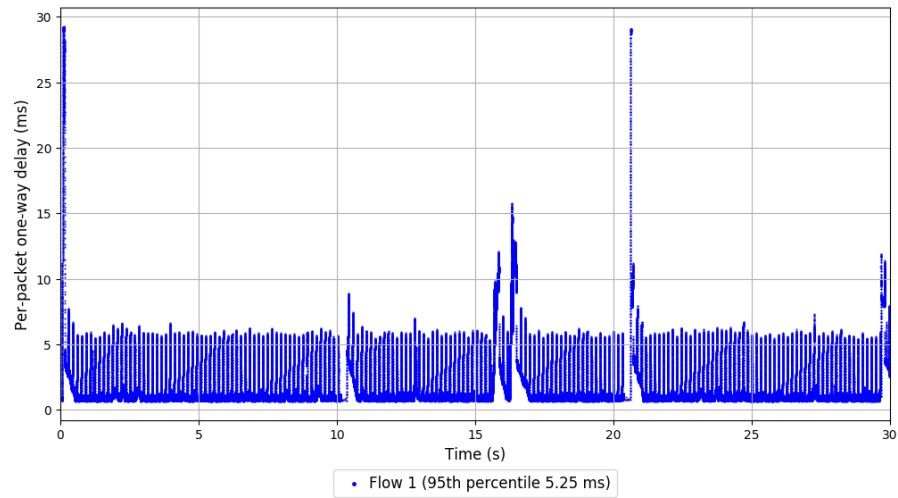
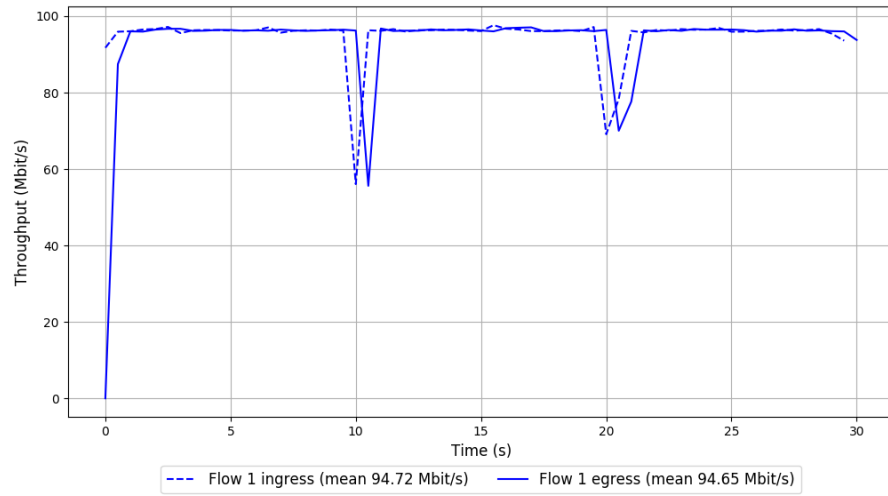
-- Flow 1:

Average throughput: 94.65 Mbit/s

95th percentile per-packet one-way delay: 5.251 ms

Loss rate: 0.07%

Run 4: Report of FillP-Sheep — Data Link



Run 5: Statistics of FillP-Sheep

Start at: 2019-02-11 13:54:44

End at: 2019-02-11 13:55:14

Local clock offset: -3.7 ms

Remote clock offset: 1.009 ms

Below is generated by plot.py at 2019-02-11 14:01:41

Datalink statistics

-- Total of 1 flow:

Average throughput: 94.32 Mbit/s

95th percentile per-packet one-way delay: 6.980 ms

Loss rate: 0.09%

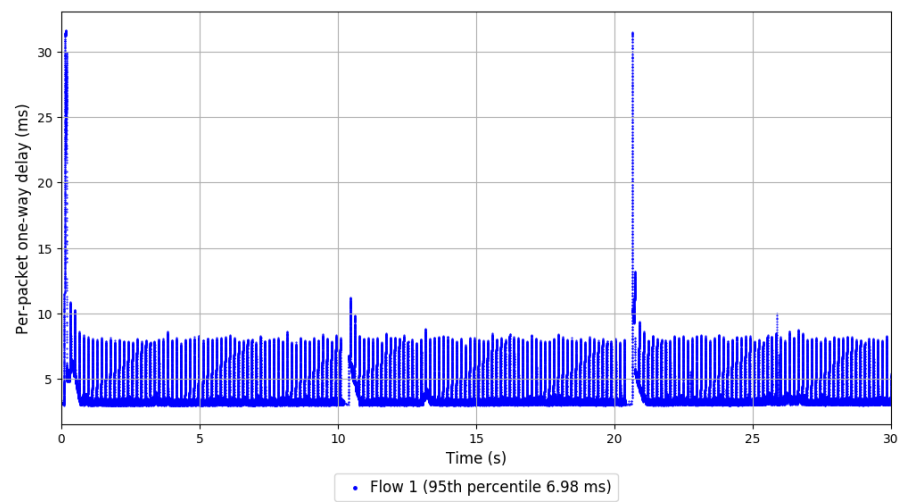
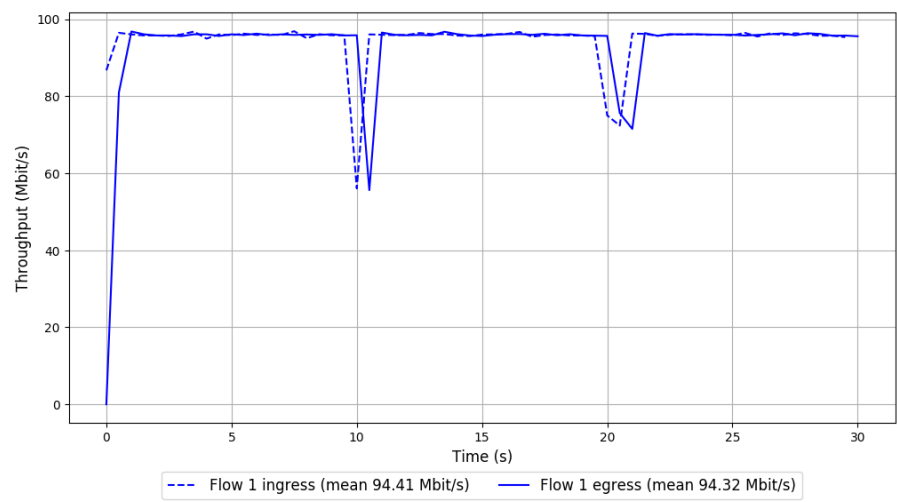
-- Flow 1:

Average throughput: 94.32 Mbit/s

95th percentile per-packet one-way delay: 6.980 ms

Loss rate: 0.09%

Run 5: Report of FillP-Sheep — Data Link

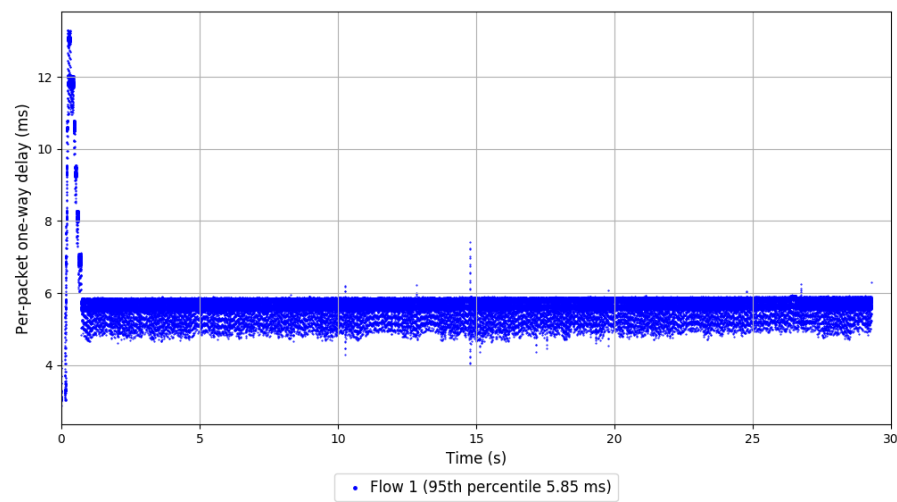
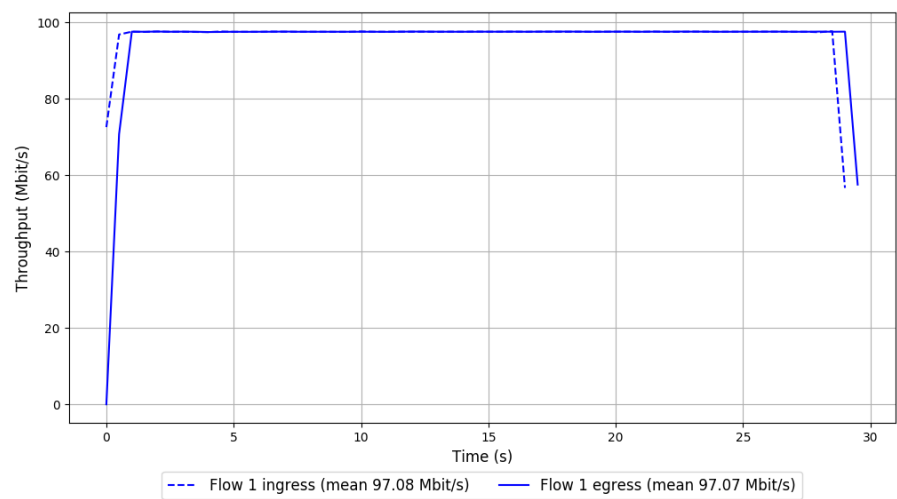


```
Run 1: Statistics of Indigo

Start at: 2019-02-11 12:00:54
End at: 2019-02-11 12:01:24
Local clock offset: -0.876 ms
Remote clock offset: 0.394 ms

# Below is generated by plot.py at 2019-02-11 14:01:41
# Datalink statistics
-- Total of 1 flow:
Average throughput: 97.07 Mbit/s
95th percentile per-packet one-way delay: 5.849 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 97.07 Mbit/s
95th percentile per-packet one-way delay: 5.849 ms
Loss rate: 0.00%
```

Run 1: Report of Indigo — Data Link



Run 2: Statistics of Indigo

Start at: 2019-02-11 12:24:20

End at: 2019-02-11 12:24:50

Local clock offset: -2.051 ms

Remote clock offset: 0.698 ms

Below is generated by plot.py at 2019-02-11 14:01:41

Datalink statistics

-- Total of 1 flow:

Average throughput: 97.33 Mbit/s

95th percentile per-packet one-way delay: 5.116 ms

Loss rate: 0.01%

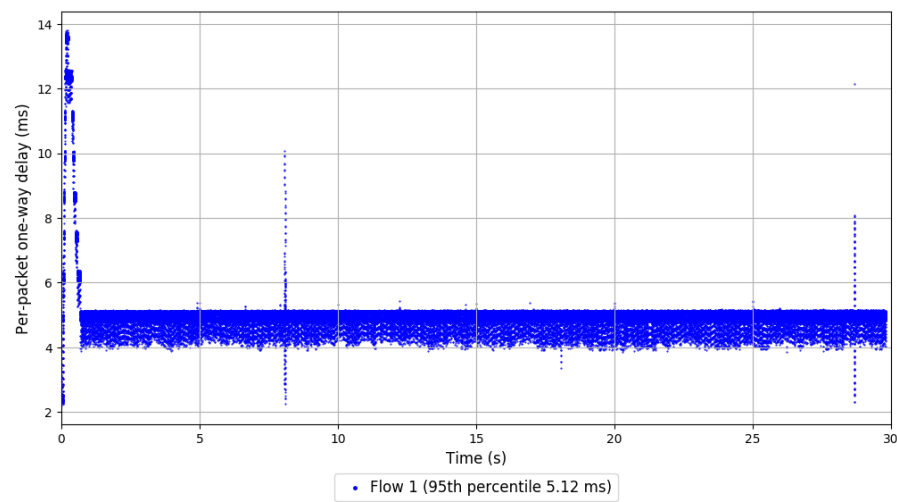
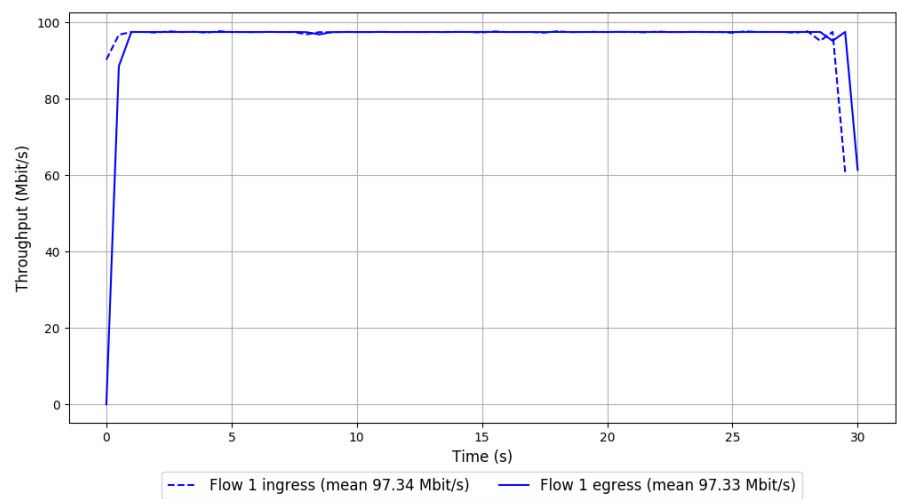
-- Flow 1:

Average throughput: 97.33 Mbit/s

95th percentile per-packet one-way delay: 5.116 ms

Loss rate: 0.01%

Run 2: Report of Indigo — Data Link



Run 3: Statistics of Indigo

Start at: 2019-02-11 12:47:48

End at: 2019-02-11 12:48:18

Local clock offset: -2.518 ms

Remote clock offset: 1.157 ms

Below is generated by plot.py at 2019-02-11 14:01:41

Datalink statistics

-- Total of 1 flow:

Average throughput: 97.41 Mbit/s

95th percentile per-packet one-way delay: 3.870 ms

Loss rate: 0.02%

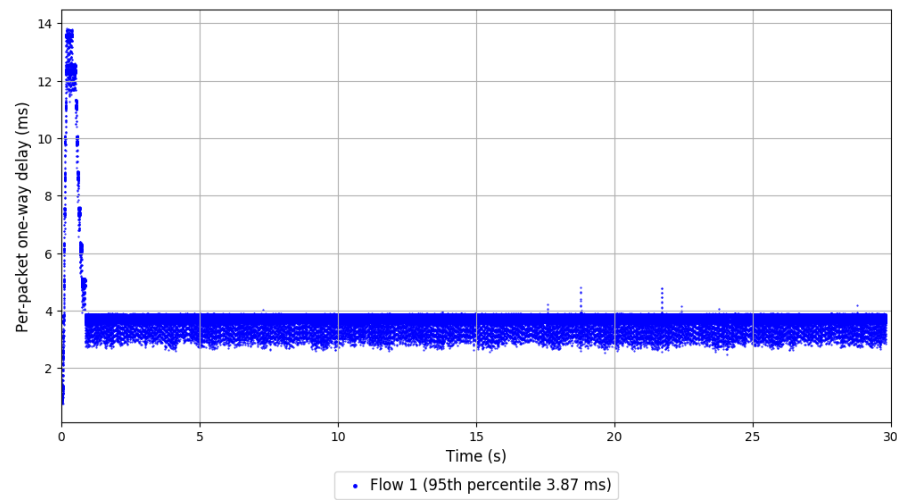
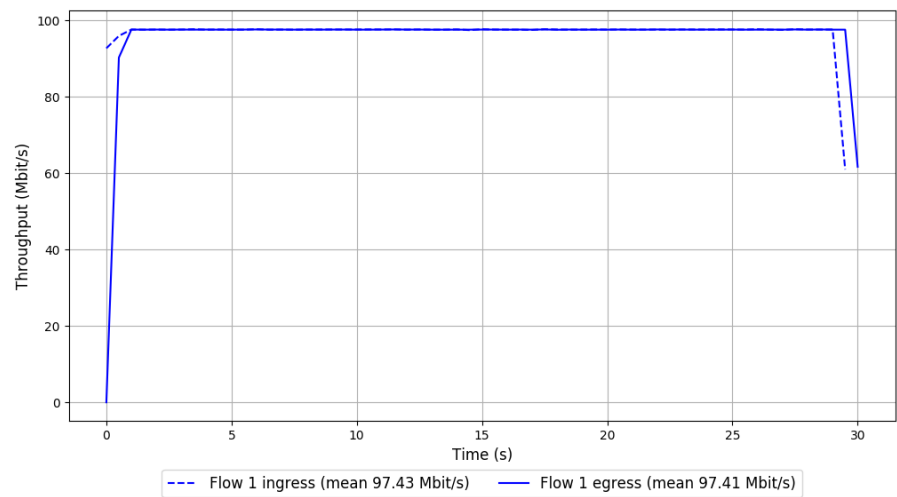
-- Flow 1:

Average throughput: 97.41 Mbit/s

95th percentile per-packet one-way delay: 3.870 ms

Loss rate: 0.02%

Run 3: Report of Indigo — Data Link



Run 4: Statistics of Indigo

Start at: 2019-02-11 13:11:12

End at: 2019-02-11 13:11:42

Local clock offset: -3.241 ms

Remote clock offset: 1.156 ms

Below is generated by plot.py at 2019-02-11 14:01:41

Datalink statistics

-- Total of 1 flow:

Average throughput: 97.40 Mbit/s

95th percentile per-packet one-way delay: 3.745 ms

Loss rate: 0.00%

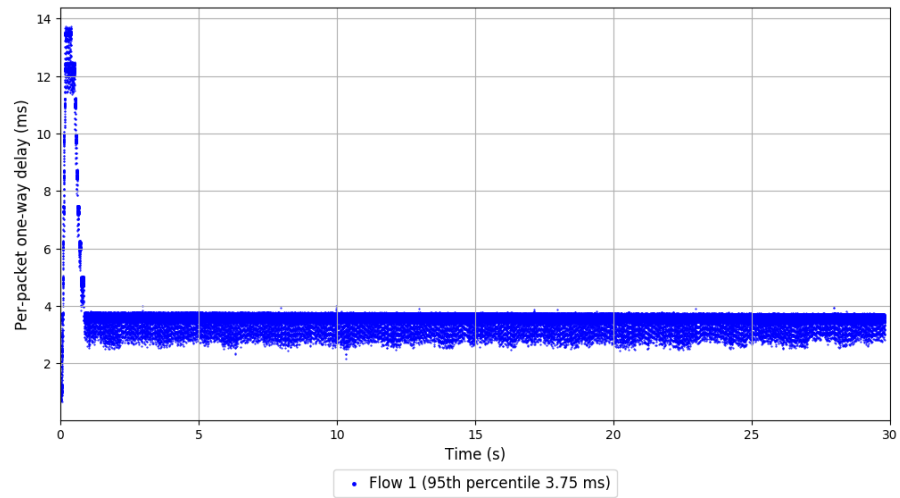
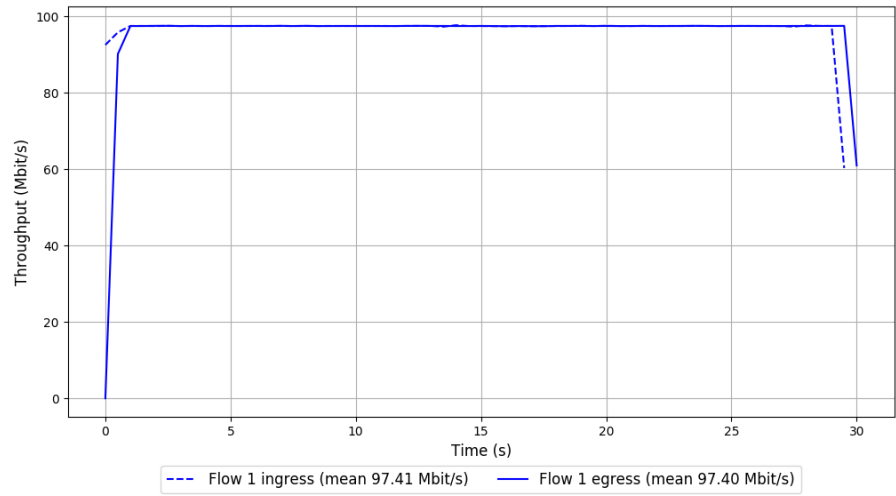
-- Flow 1:

Average throughput: 97.40 Mbit/s

95th percentile per-packet one-way delay: 3.745 ms

Loss rate: 0.00%

Run 4: Report of Indigo — Data Link



Run 5: Statistics of Indigo

Start at: 2019-02-11 13:34:37

End at: 2019-02-11 13:35:07

Local clock offset: -3.801 ms

Remote clock offset: 1.237 ms

Below is generated by plot.py at 2019-02-11 14:02:34

Datalink statistics

-- Total of 1 flow:

Average throughput: 97.37 Mbit/s

95th percentile per-packet one-way delay: 5.159 ms

Loss rate: 0.00%

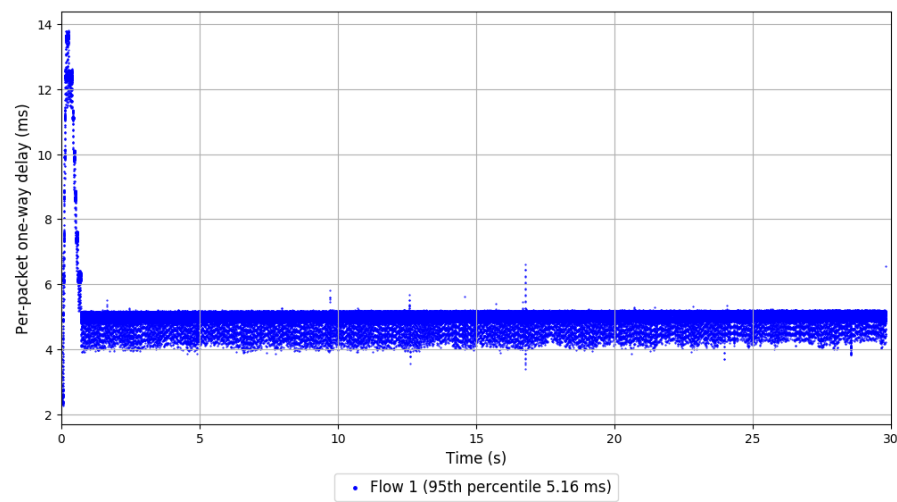
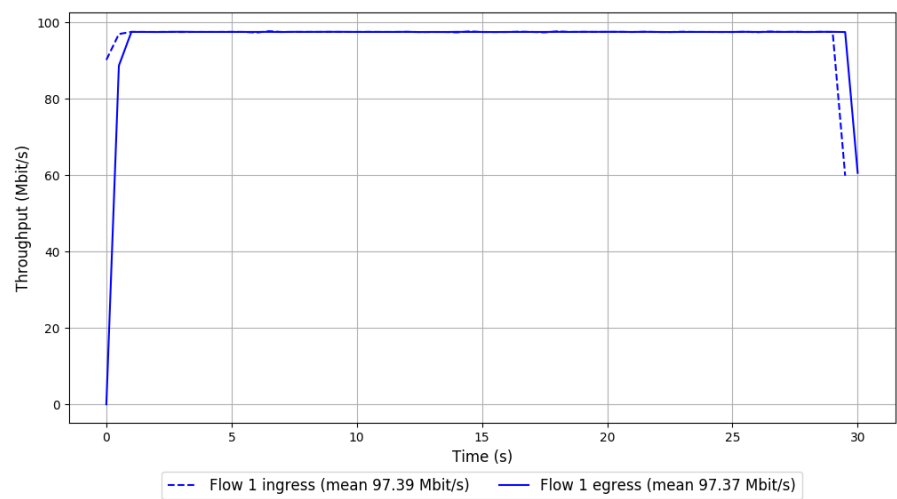
-- Flow 1:

Average throughput: 97.37 Mbit/s

95th percentile per-packet one-way delay: 5.159 ms

Loss rate: 0.00%

Run 5: Report of Indigo — Data Link



Run 1: Statistics of Indigo-MusesC3

Start at: 2019-02-11 12:13:17

End at: 2019-02-11 12:13:47

Local clock offset: -1.862 ms

Remote clock offset: 0.544 ms

Below is generated by plot.py at 2019-02-11 14:02:34

Datalink statistics

-- Total of 1 flow:

Average throughput: 89.04 Mbit/s

95th percentile per-packet one-way delay: 3.484 ms

Loss rate: 0.00%

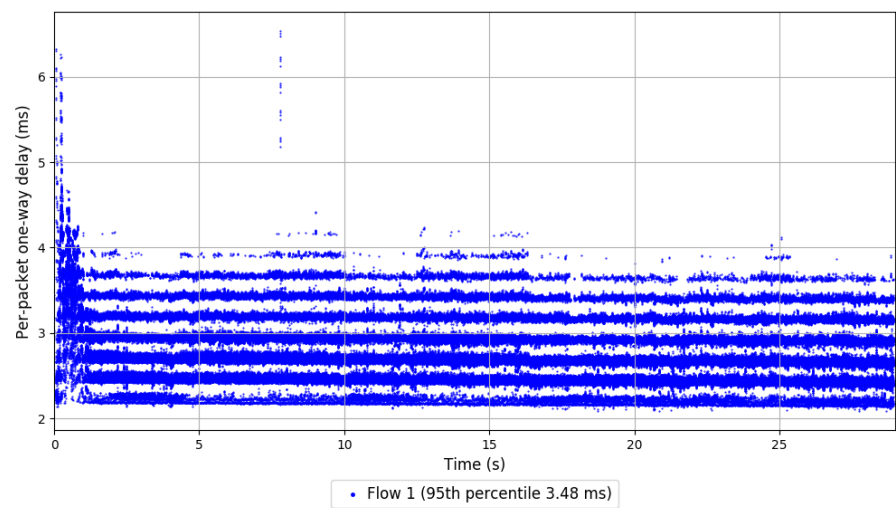
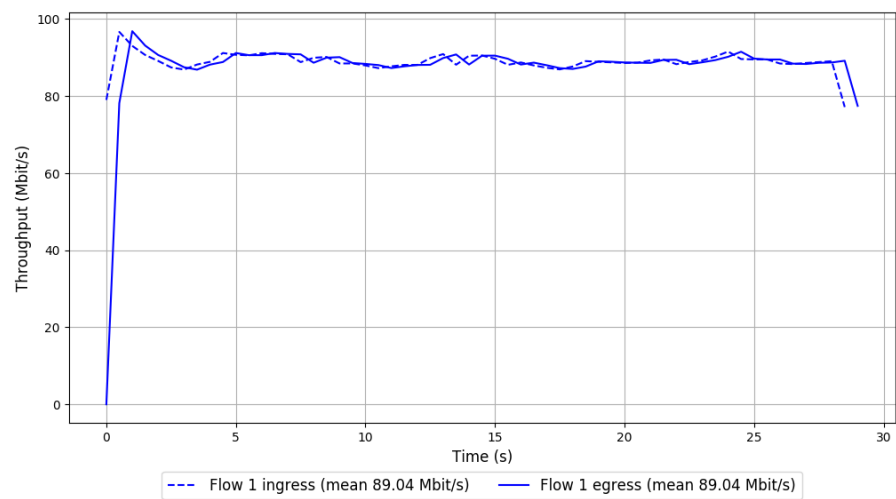
-- Flow 1:

Average throughput: 89.04 Mbit/s

95th percentile per-packet one-way delay: 3.484 ms

Loss rate: 0.00%

Run 1: Report of Indigo-MusesC3 — Data Link



Run 2: Statistics of Indigo-MusesC3

Start at: 2019-02-11 12:36:43

End at: 2019-02-11 12:37:13

Local clock offset: -1.841 ms

Remote clock offset: 0.958 ms

Below is generated by plot.py at 2019-02-11 14:02:34

Datalink statistics

-- Total of 1 flow:

Average throughput: 97.04 Mbit/s

95th percentile per-packet one-way delay: 2.936 ms

Loss rate: 0.00%

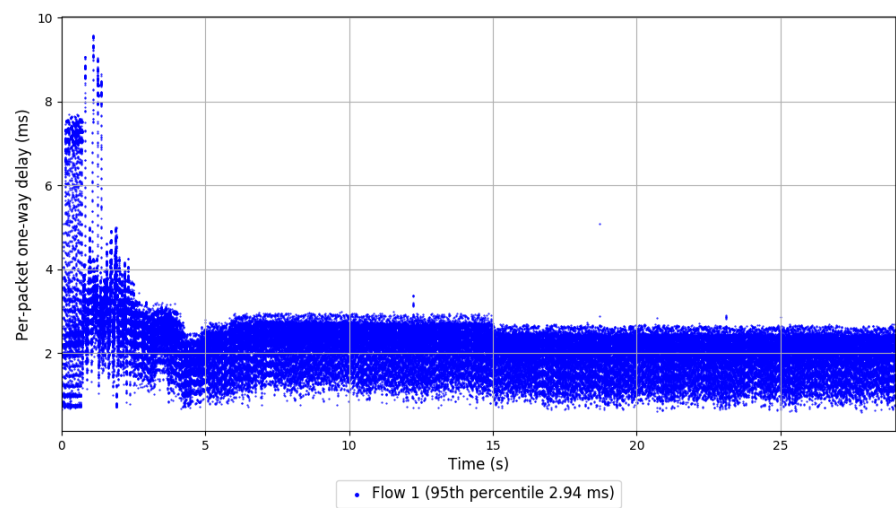
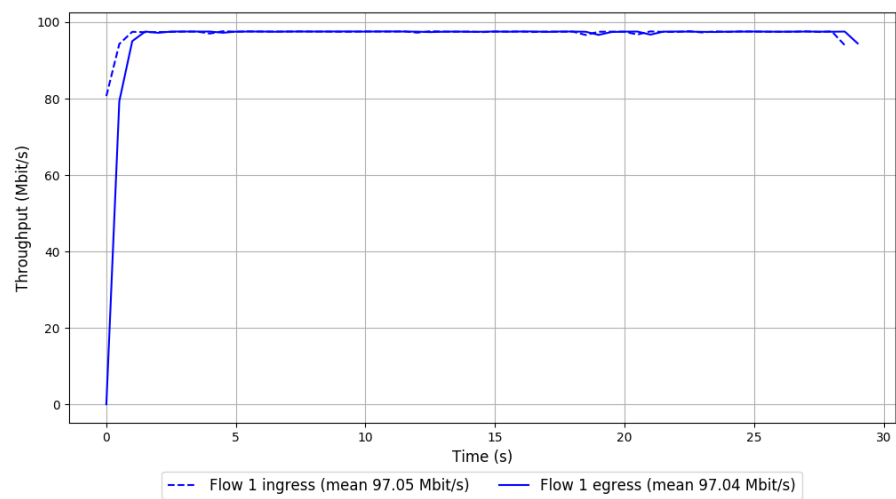
-- Flow 1:

Average throughput: 97.04 Mbit/s

95th percentile per-packet one-way delay: 2.936 ms

Loss rate: 0.00%

Run 2: Report of Indigo-MusesC3 — Data Link



Run 3: Statistics of Indigo-MusesC3

Start at: 2019-02-11 13:00:09

End at: 2019-02-11 13:00:39

Local clock offset: -2.212 ms

Remote clock offset: 1.261 ms

Below is generated by plot.py at 2019-02-11 14:02:36

Datalink statistics

-- Total of 1 flow:

Average throughput: 97.06 Mbit/s

95th percentile per-packet one-way delay: 3.210 ms

Loss rate: 0.00%

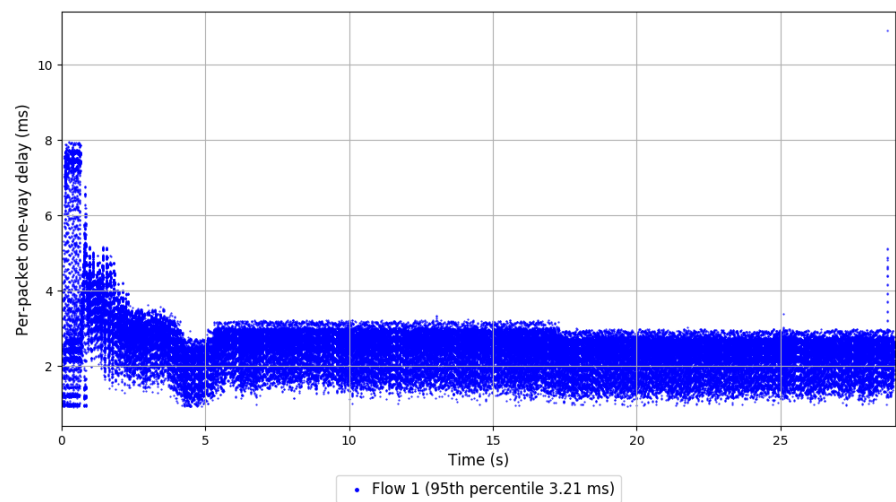
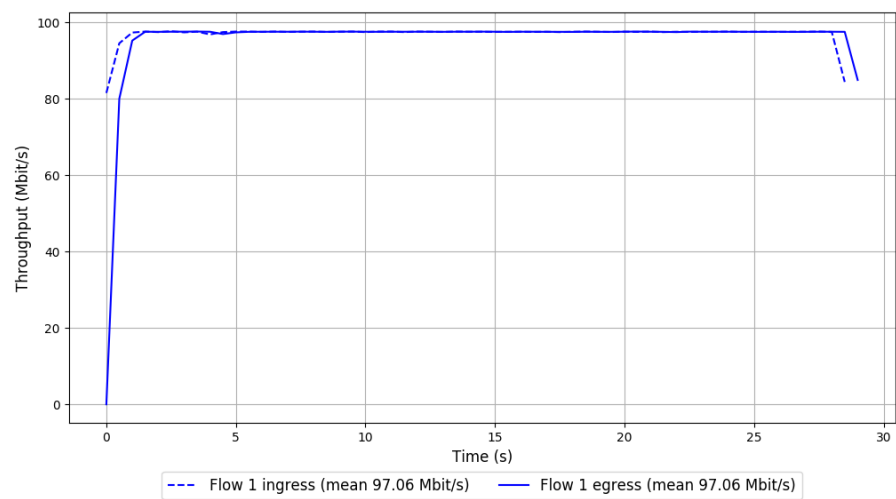
-- Flow 1:

Average throughput: 97.06 Mbit/s

95th percentile per-packet one-way delay: 3.210 ms

Loss rate: 0.00%

Run 3: Report of Indigo-MusesC3 — Data Link



Run 4: Statistics of Indigo-MusesC3

Start at: 2019-02-11 13:23:34

End at: 2019-02-11 13:24:04

Local clock offset: -3.857 ms

Remote clock offset: 1.307 ms

Below is generated by plot.py at 2019-02-11 14:02:36

Datalink statistics

-- Total of 1 flow:

Average throughput: 90.50 Mbit/s

95th percentile per-packet one-way delay: 3.627 ms

Loss rate: 0.00%

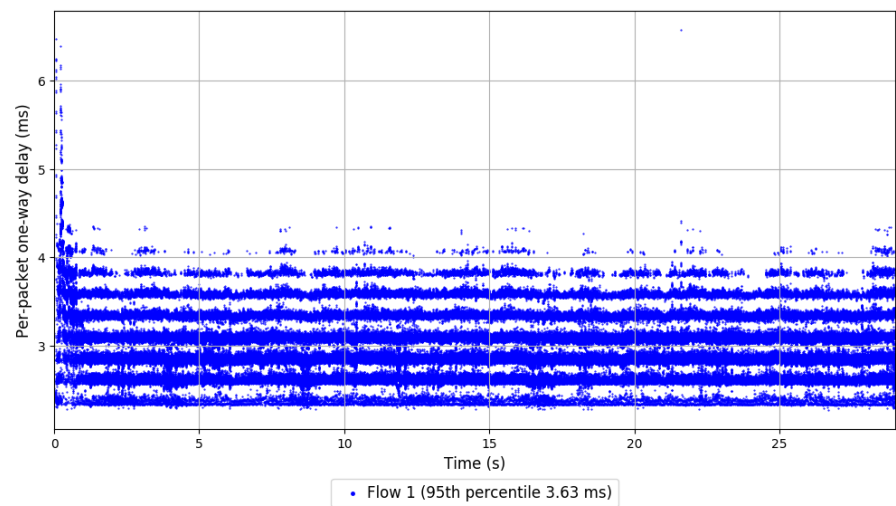
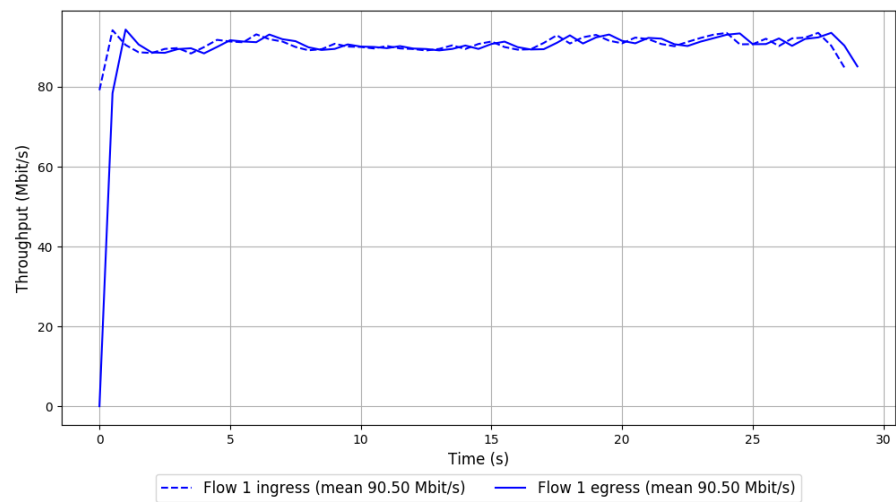
-- Flow 1:

Average throughput: 90.50 Mbit/s

95th percentile per-packet one-way delay: 3.627 ms

Loss rate: 0.00%

Run 4: Report of Indigo-MusesC3 — Data Link



Run 5: Statistics of Indigo-MusesC3

Start at: 2019-02-11 13:46:58

End at: 2019-02-11 13:47:28

Local clock offset: -3.227 ms

Remote clock offset: 1.169 ms

Below is generated by plot.py at 2019-02-11 14:02:39

Datalink statistics

-- Total of 1 flow:

Average throughput: 97.04 Mbit/s

95th percentile per-packet one-way delay: 3.117 ms

Loss rate: 0.00%

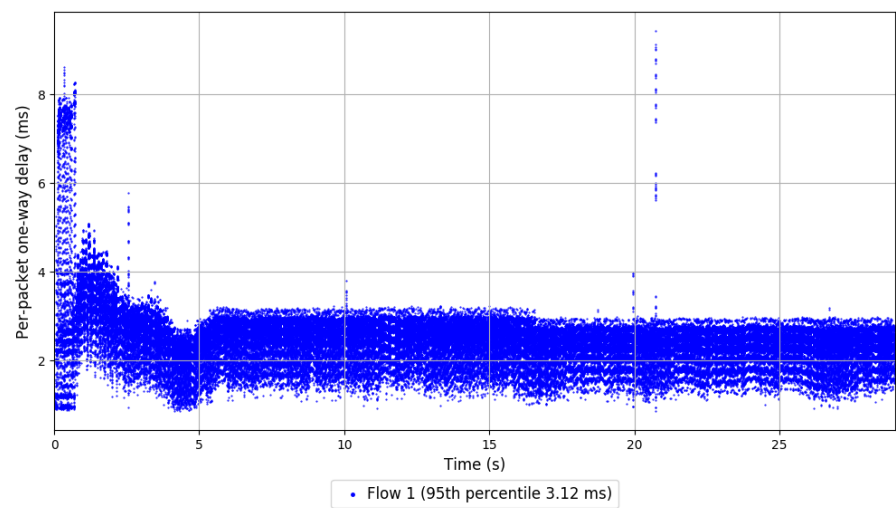
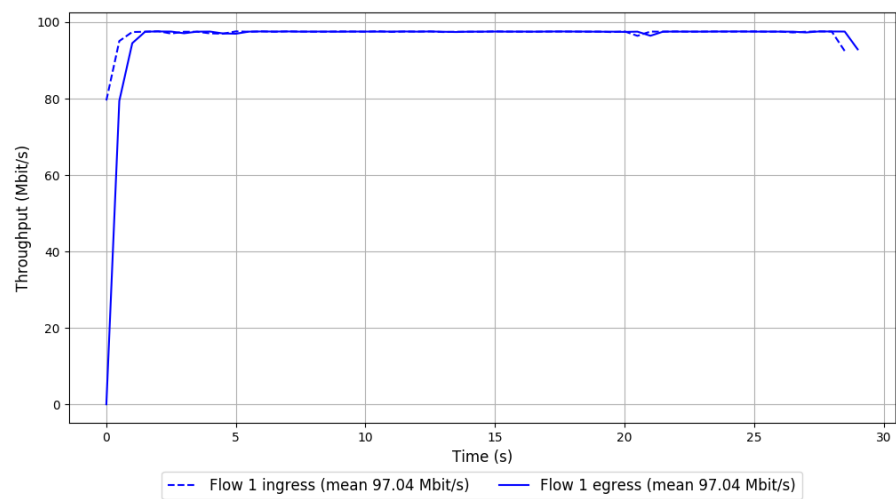
-- Flow 1:

Average throughput: 97.04 Mbit/s

95th percentile per-packet one-way delay: 3.117 ms

Loss rate: 0.00%

Run 5: Report of Indigo-MusesC3 — Data Link



Run 1: Statistics of Indigo-MusesC5

Start at: 2019-02-11 12:04:20

End at: 2019-02-11 12:04:50

Local clock offset: 0.267 ms

Remote clock offset: 0.468 ms

Below is generated by plot.py at 2019-02-11 14:02:39

Datalink statistics

-- Total of 1 flow:

Average throughput: 49.17 Mbit/s

95th percentile per-packet one-way delay: 3.397 ms

Loss rate: 0.01%

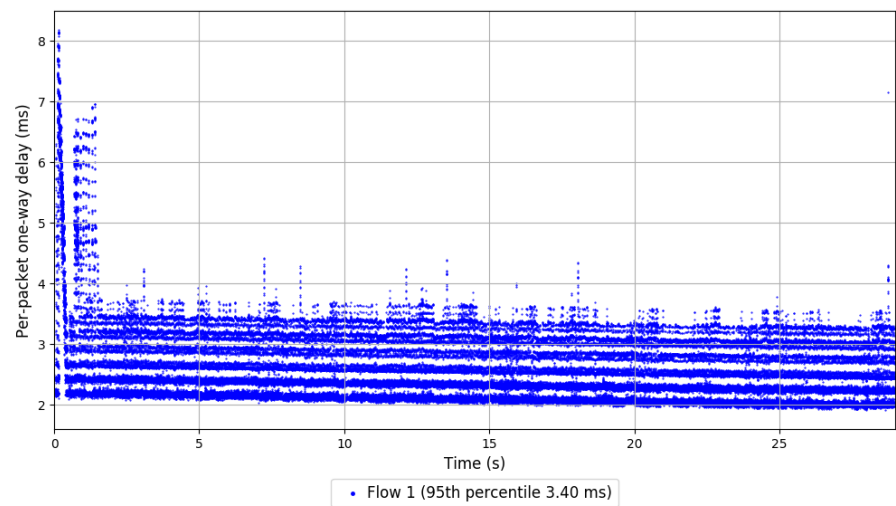
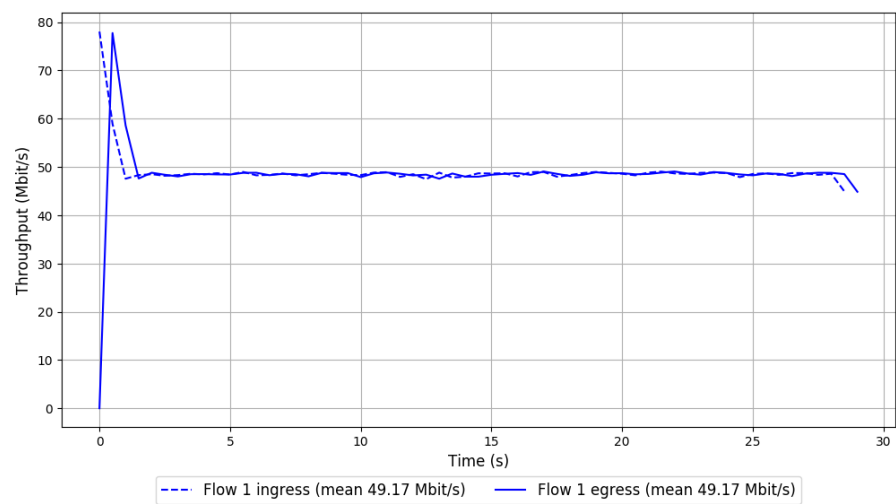
-- Flow 1:

Average throughput: 49.17 Mbit/s

95th percentile per-packet one-way delay: 3.397 ms

Loss rate: 0.01%

Run 1: Report of Indigo-MusesC5 — Data Link



Run 2: Statistics of Indigo-MusesC5

Start at: 2019-02-11 12:27:47

End at: 2019-02-11 12:28:17

Local clock offset: -1.882 ms

Remote clock offset: 0.833 ms

Below is generated by plot.py at 2019-02-11 14:02:39

Datalink statistics

-- Total of 1 flow:

Average throughput: 57.47 Mbit/s

95th percentile per-packet one-way delay: 3.676 ms

Loss rate: 0.00%

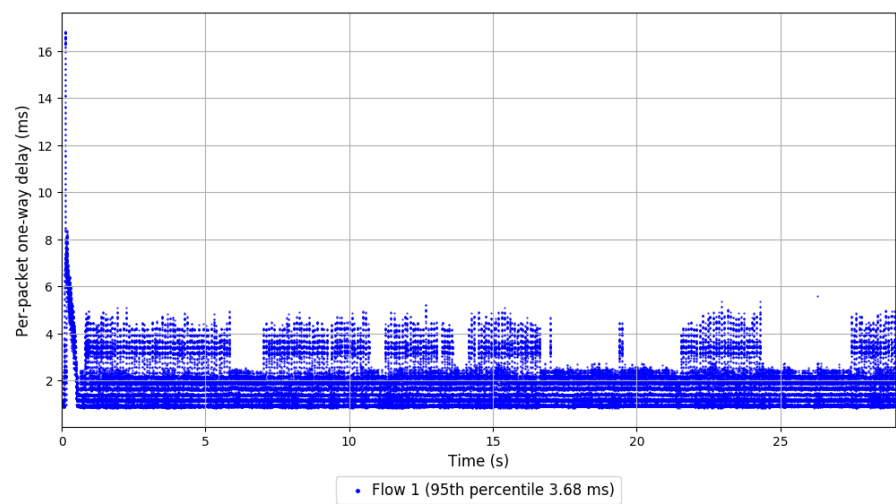
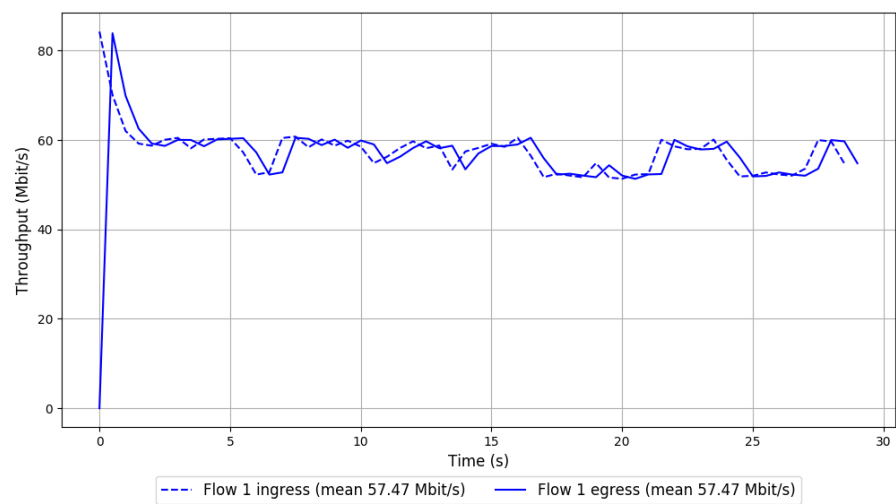
-- Flow 1:

Average throughput: 57.47 Mbit/s

95th percentile per-packet one-way delay: 3.676 ms

Loss rate: 0.00%

Run 2: Report of Indigo-MusesC5 — Data Link



Run 3: Statistics of Indigo-MusesC5

Start at: 2019-02-11 12:51:14

End at: 2019-02-11 12:51:44

Local clock offset: -2.487 ms

Remote clock offset: 1.166 ms

Below is generated by plot.py at 2019-02-11 14:02:44

Datalink statistics

-- Total of 1 flow:

Average throughput: 42.89 Mbit/s

95th percentile per-packet one-way delay: 3.855 ms

Loss rate: 0.00%

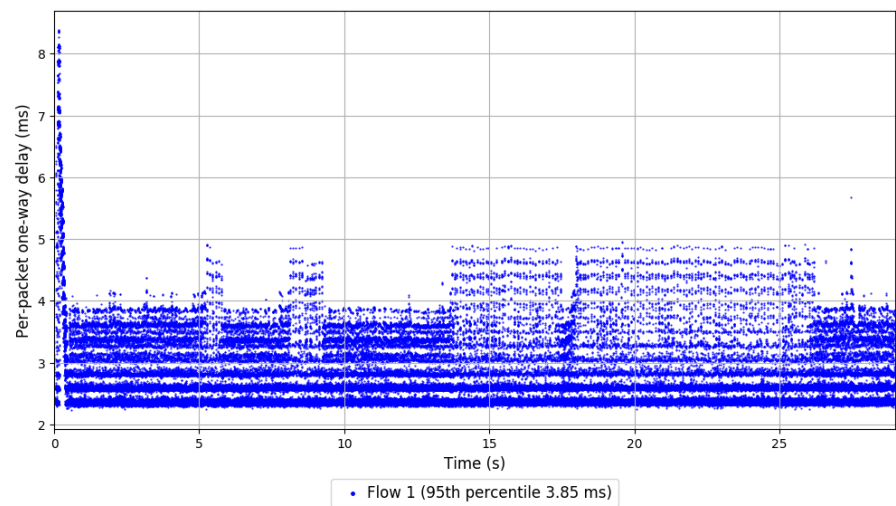
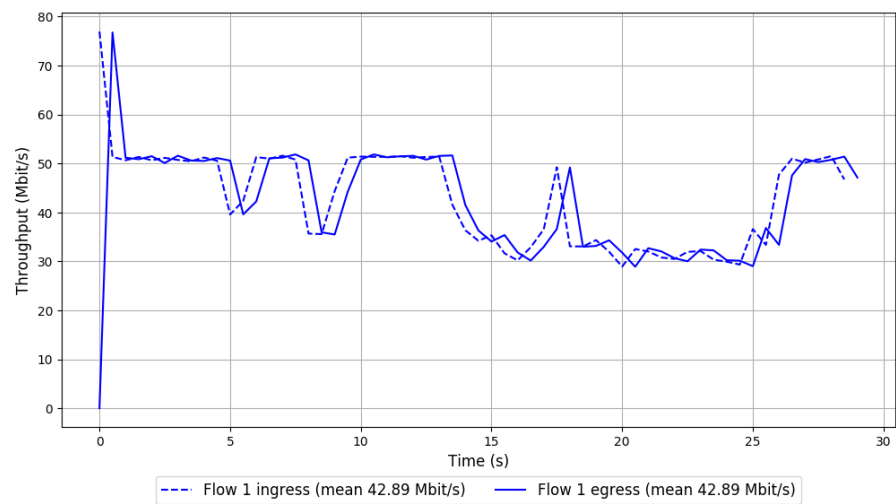
-- Flow 1:

Average throughput: 42.89 Mbit/s

95th percentile per-packet one-way delay: 3.855 ms

Loss rate: 0.00%

Run 3: Report of Indigo-MusesC5 — Data Link



Run 4: Statistics of Indigo-MusesC5

Start at: 2019-02-11 13:14:39

End at: 2019-02-11 13:15:09

Local clock offset: -3.525 ms

Remote clock offset: 1.227 ms

Below is generated by plot.py at 2019-02-11 14:03:01

Datalink statistics

-- Total of 1 flow:

Average throughput: 56.01 Mbit/s

95th percentile per-packet one-way delay: 3.371 ms

Loss rate: 0.00%

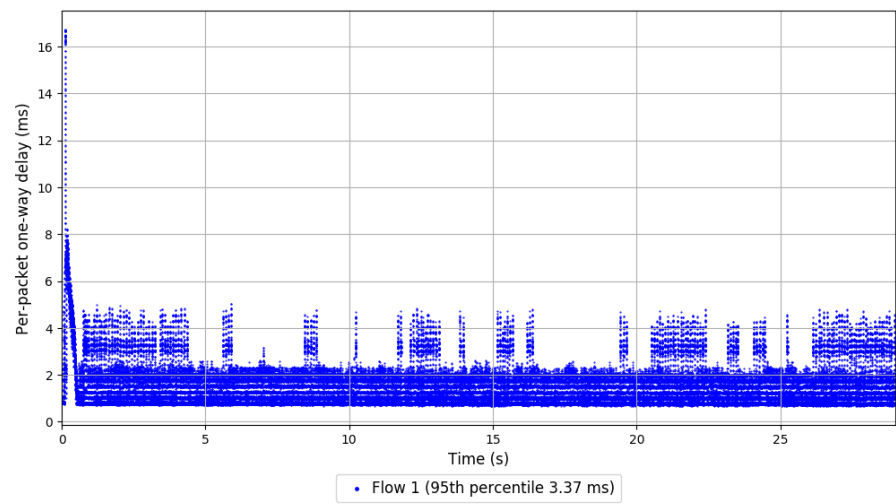
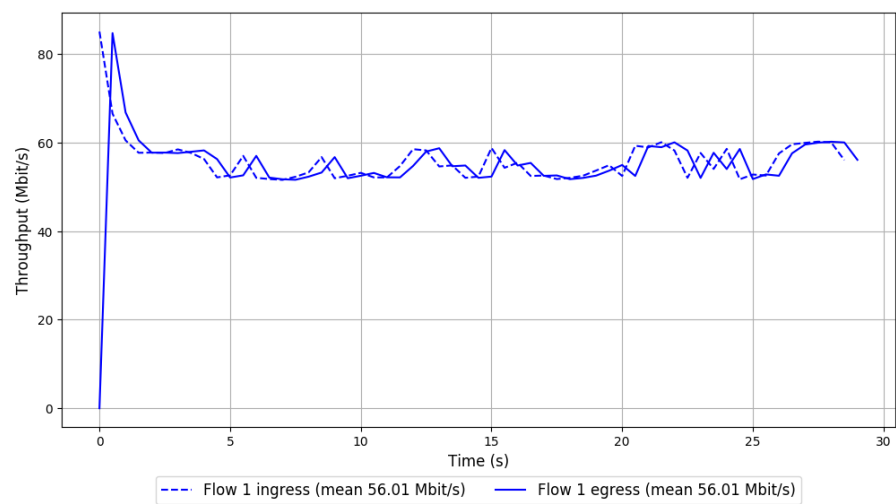
-- Flow 1:

Average throughput: 56.01 Mbit/s

95th percentile per-packet one-way delay: 3.371 ms

Loss rate: 0.00%

Run 4: Report of Indigo-MusesC5 — Data Link



Run 5: Statistics of Indigo-MusesC5

Start at: 2019-02-11 13:38:03

End at: 2019-02-11 13:38:33

Local clock offset: -3.577 ms

Remote clock offset: 1.116 ms

Below is generated by plot.py at 2019-02-11 14:03:08

Datalink statistics

-- Total of 1 flow:

Average throughput: 60.09 Mbit/s

95th percentile per-packet one-way delay: 3.833 ms

Loss rate: 0.00%

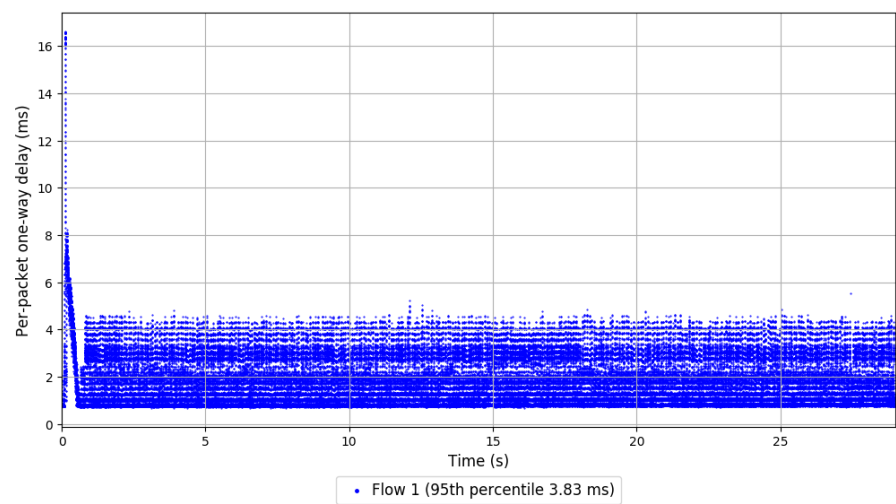
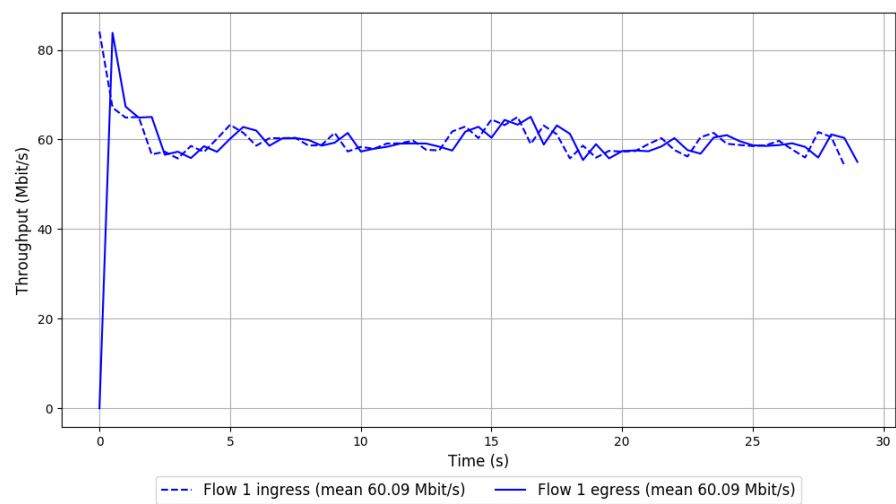
-- Flow 1:

Average throughput: 60.09 Mbit/s

95th percentile per-packet one-way delay: 3.833 ms

Loss rate: 0.00%

Run 5: Report of Indigo-MusesC5 — Data Link

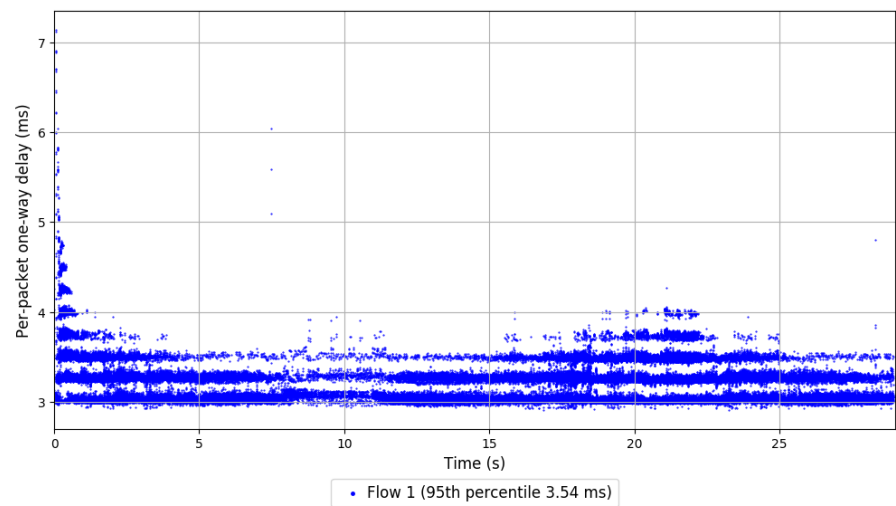
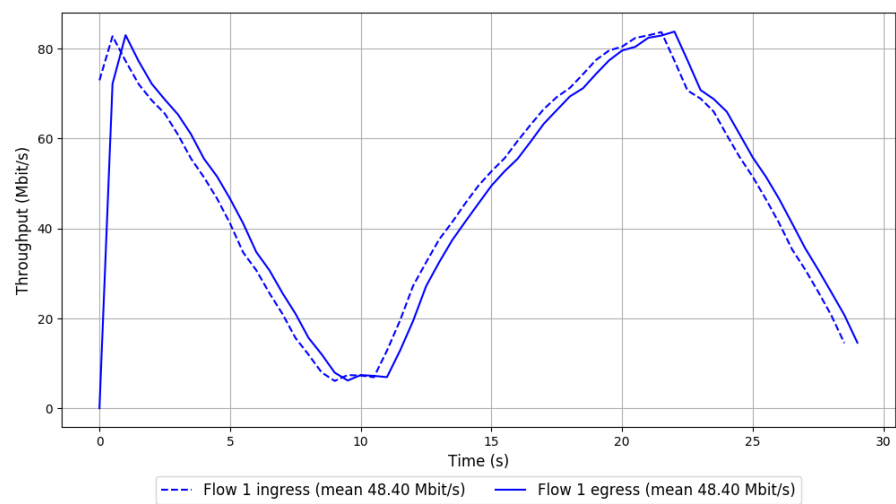


```
Run 1: Statistics of Indigo-MusesD

Start at: 2019-02-11 12:18:47
End at: 2019-02-11 12:19:17
Local clock offset: -2.894 ms
Remote clock offset: 0.602 ms

# Below is generated by plot.py at 2019-02-11 14:03:08
# Datalink statistics
-- Total of 1 flow:
Average throughput: 48.40 Mbit/s
95th percentile per-packet one-way delay: 3.538 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 48.40 Mbit/s
95th percentile per-packet one-way delay: 3.538 ms
Loss rate: 0.00%
```

Run 1: Report of Indigo-MusesD — Data Link



Run 2: Statistics of Indigo-MusesD

Start at: 2019-02-11 12:42:13

End at: 2019-02-11 12:42:43

Local clock offset: -3.151 ms

Remote clock offset: 1.069 ms

Below is generated by plot.py at 2019-02-11 14:03:25

Datalink statistics

-- Total of 1 flow:

Average throughput: 79.17 Mbit/s

95th percentile per-packet one-way delay: 4.836 ms

Loss rate: 0.00%

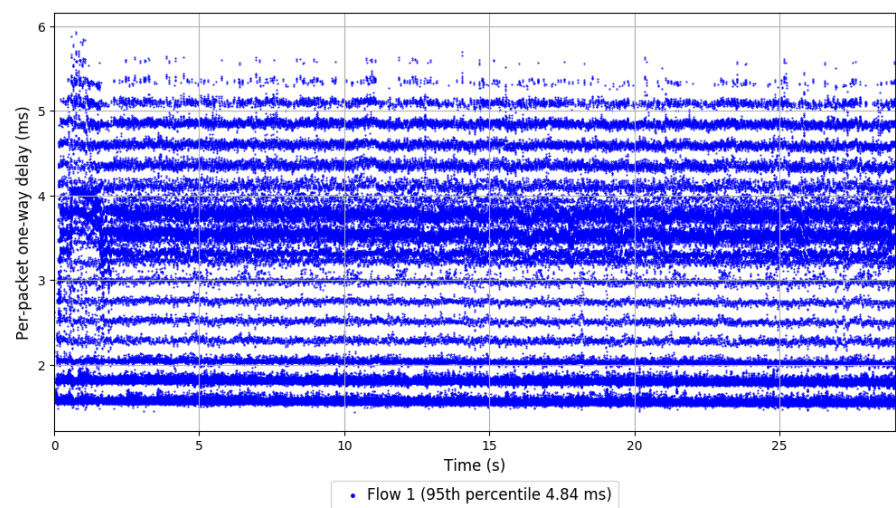
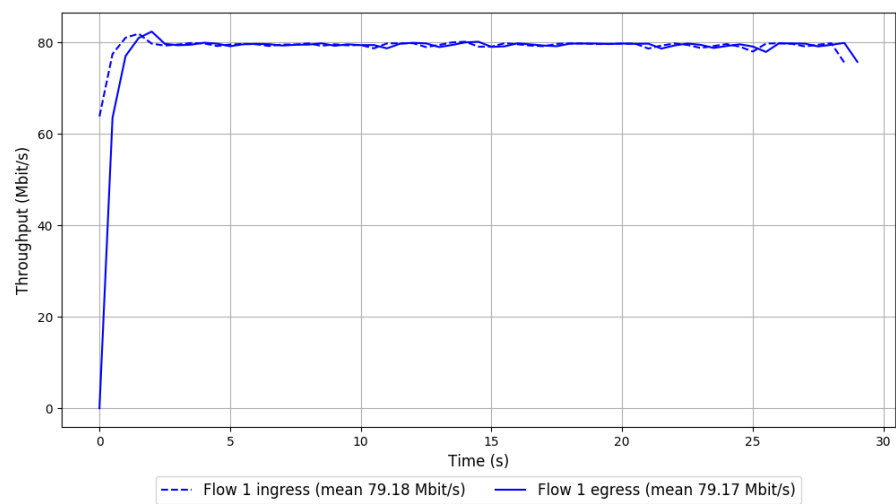
-- Flow 1:

Average throughput: 79.17 Mbit/s

95th percentile per-packet one-way delay: 4.836 ms

Loss rate: 0.00%

Run 2: Report of Indigo-MusesD — Data Link



Run 3: Statistics of Indigo-MusesD

Start at: 2019-02-11 13:05:39

End at: 2019-02-11 13:06:09

Local clock offset: -3.062 ms

Remote clock offset: 1.188 ms

Below is generated by plot.py at 2019-02-11 14:03:25

Datalink statistics

-- Total of 1 flow:

Average throughput: 46.65 Mbit/s

95th percentile per-packet one-way delay: 3.448 ms

Loss rate: 0.00%

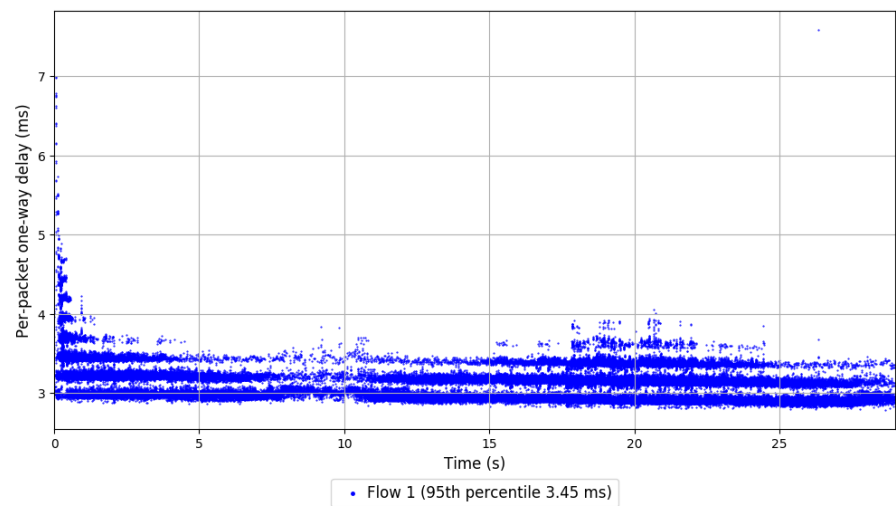
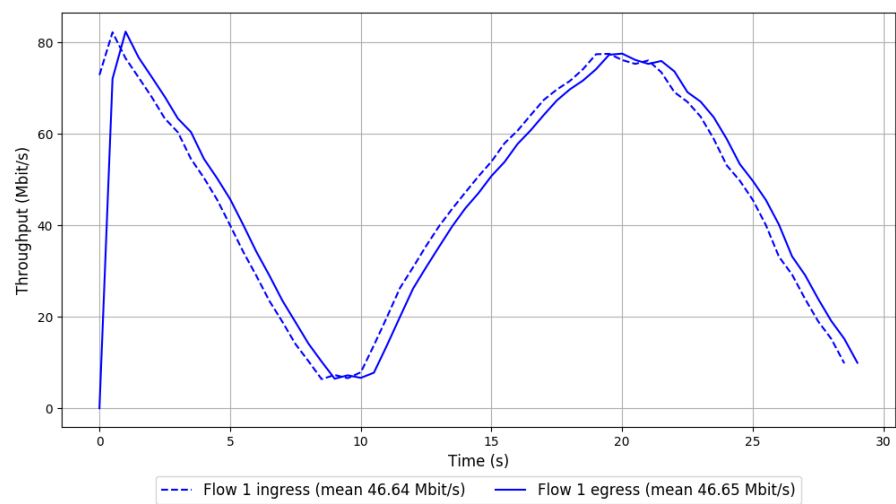
-- Flow 1:

Average throughput: 46.65 Mbit/s

95th percentile per-packet one-way delay: 3.448 ms

Loss rate: 0.00%

Run 3: Report of Indigo-MusesD — Data Link



Run 4: Statistics of Indigo-MusesD

Start at: 2019-02-11 13:29:03

End at: 2019-02-11 13:29:33

Local clock offset: -4.635 ms

Remote clock offset: 1.159 ms

Below is generated by plot.py at 2019-02-11 14:03:25

Datalink statistics

-- Total of 1 flow:

Average throughput: 46.71 Mbit/s

95th percentile per-packet one-way delay: 3.525 ms

Loss rate: 0.00%

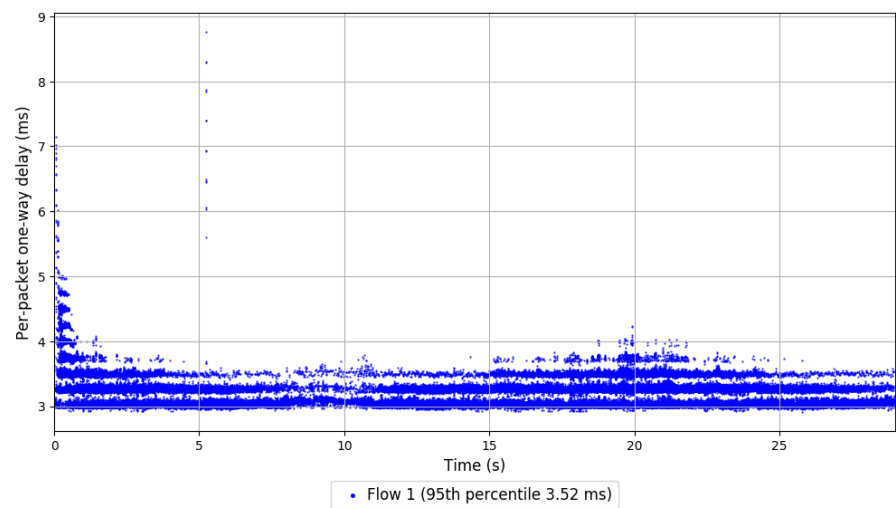
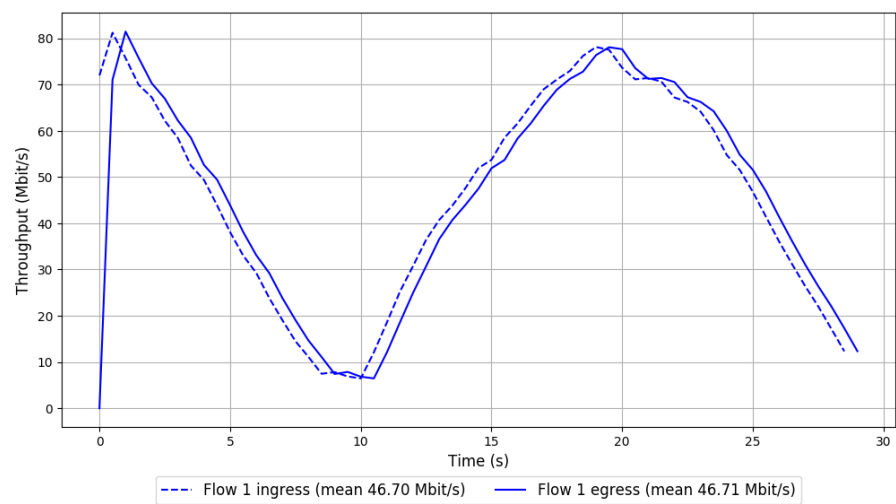
-- Flow 1:

Average throughput: 46.71 Mbit/s

95th percentile per-packet one-way delay: 3.525 ms

Loss rate: 0.00%

Run 4: Report of Indigo-MusesD — Data Link



Run 5: Statistics of Indigo-MusesD

Start at: 2019-02-11 13:52:28

End at: 2019-02-11 13:52:58

Local clock offset: -2.957 ms

Remote clock offset: 1.015 ms

Below is generated by plot.py at 2019-02-11 14:03:32

Datalink statistics

-- Total of 1 flow:

Average throughput: 79.83 Mbit/s

95th percentile per-packet one-way delay: 3.878 ms

Loss rate: 0.00%

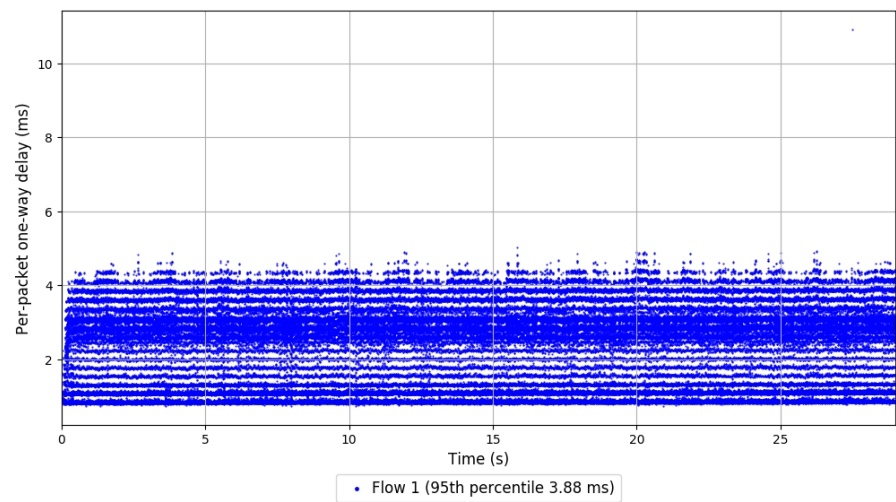
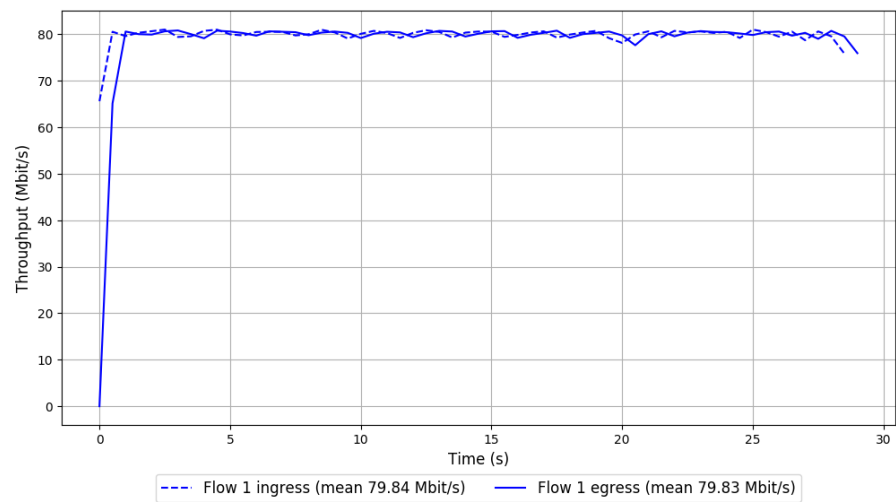
-- Flow 1:

Average throughput: 79.83 Mbit/s

95th percentile per-packet one-way delay: 3.878 ms

Loss rate: 0.00%

Run 5: Report of Indigo-MusesD — Data Link



Run 1: Statistics of Indigo-MusesT

Start at: 2019-02-11 12:02:03

End at: 2019-02-11 12:02:33

Local clock offset: 0.016 ms

Remote clock offset: 0.487 ms

Below is generated by plot.py at 2019-02-11 14:03:48

Datalink statistics

-- Total of 1 flow:

Average throughput: 93.65 Mbit/s

95th percentile per-packet one-way delay: 2.437 ms

Loss rate: 0.00%

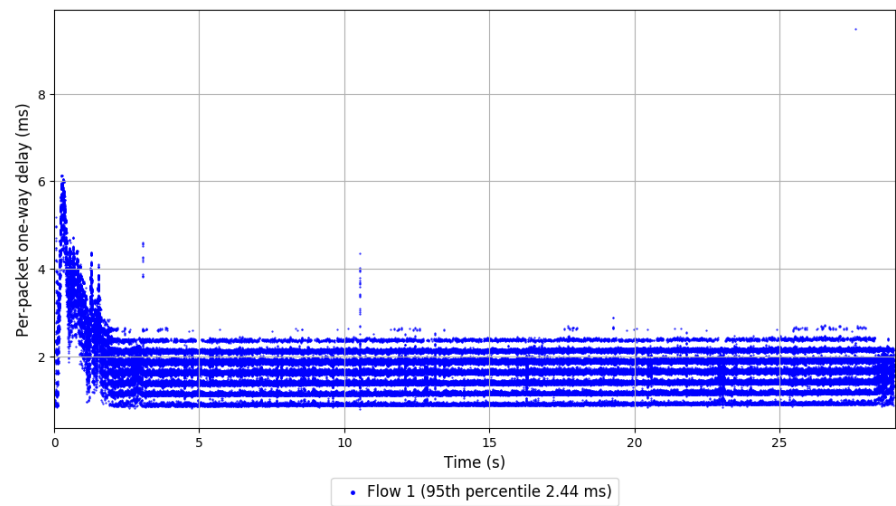
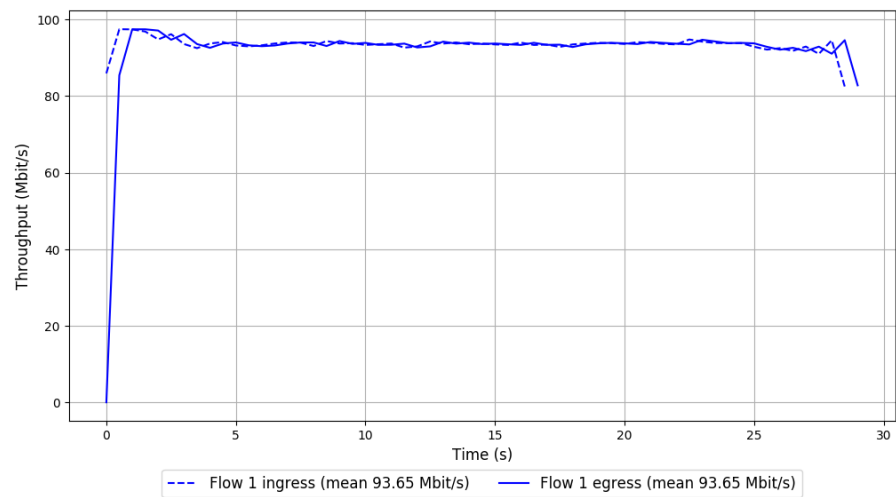
-- Flow 1:

Average throughput: 93.65 Mbit/s

95th percentile per-packet one-way delay: 2.437 ms

Loss rate: 0.00%

Run 1: Report of Indigo-MusesT — Data Link



Run 2: Statistics of Indigo-MusesT

Start at: 2019-02-11 12:25:30

End at: 2019-02-11 12:26:00

Local clock offset: -2.062 ms

Remote clock offset: 0.708 ms

Below is generated by plot.py at 2019-02-11 14:04:04

Datalink statistics

-- Total of 1 flow:

Average throughput: 93.87 Mbit/s

95th percentile per-packet one-way delay: 2.395 ms

Loss rate: 0.00%

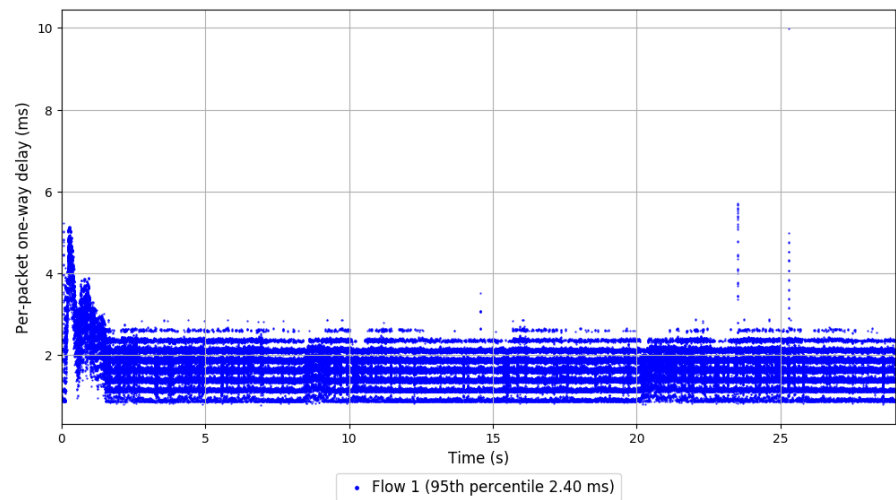
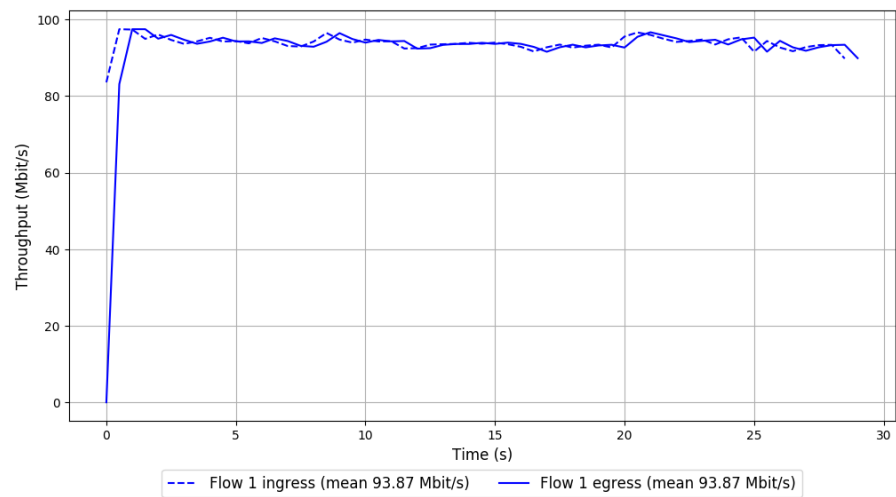
-- Flow 1:

Average throughput: 93.87 Mbit/s

95th percentile per-packet one-way delay: 2.395 ms

Loss rate: 0.00%

Run 2: Report of Indigo-MusesT — Data Link



Run 3: Statistics of Indigo-MusesT

Start at: 2019-02-11 12:48:57

End at: 2019-02-11 12:49:27

Local clock offset: -3.271 ms

Remote clock offset: 1.161 ms

Below is generated by plot.py at 2019-02-11 14:04:07

Datalink statistics

-- Total of 1 flow:

Average throughput: 93.69 Mbit/s

95th percentile per-packet one-way delay: 3.141 ms

Loss rate: 0.00%

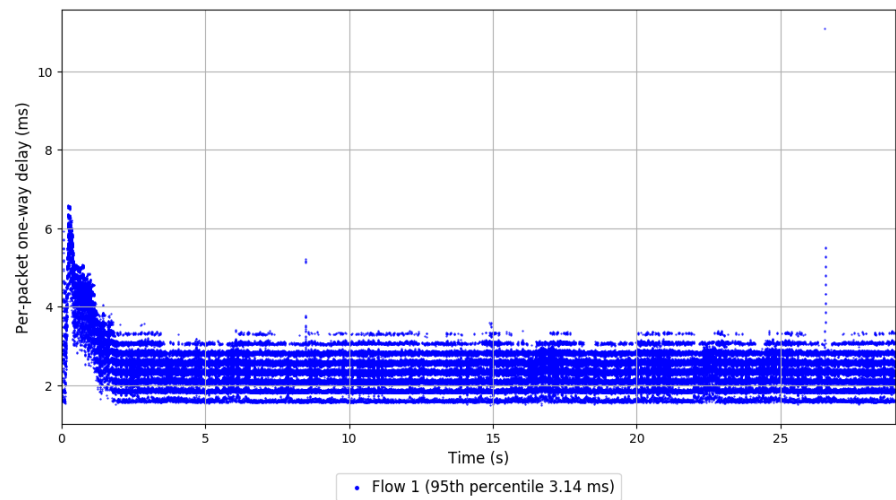
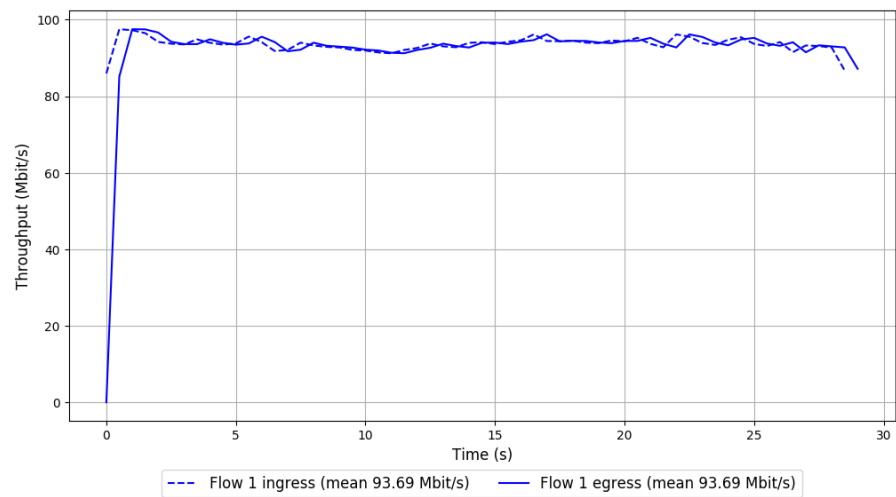
-- Flow 1:

Average throughput: 93.69 Mbit/s

95th percentile per-packet one-way delay: 3.141 ms

Loss rate: 0.00%

Run 3: Report of Indigo-MusesT — Data Link



Run 4: Statistics of Indigo-MusesT

Start at: 2019-02-11 13:12:22

End at: 2019-02-11 13:12:52

Local clock offset: -3.311 ms

Remote clock offset: 1.272 ms

Below is generated by plot.py at 2019-02-11 14:04:08

Datalink statistics

-- Total of 1 flow:

Average throughput: 93.44 Mbit/s

95th percentile per-packet one-way delay: 2.288 ms

Loss rate: 0.00%

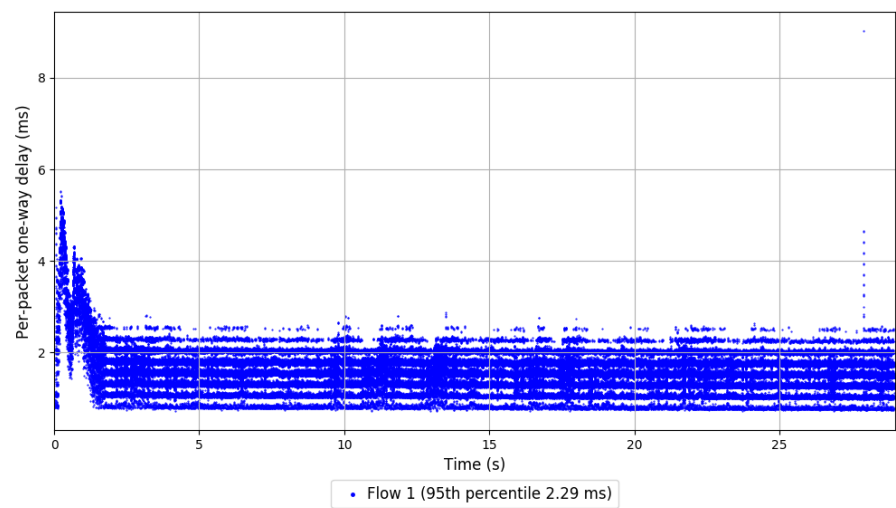
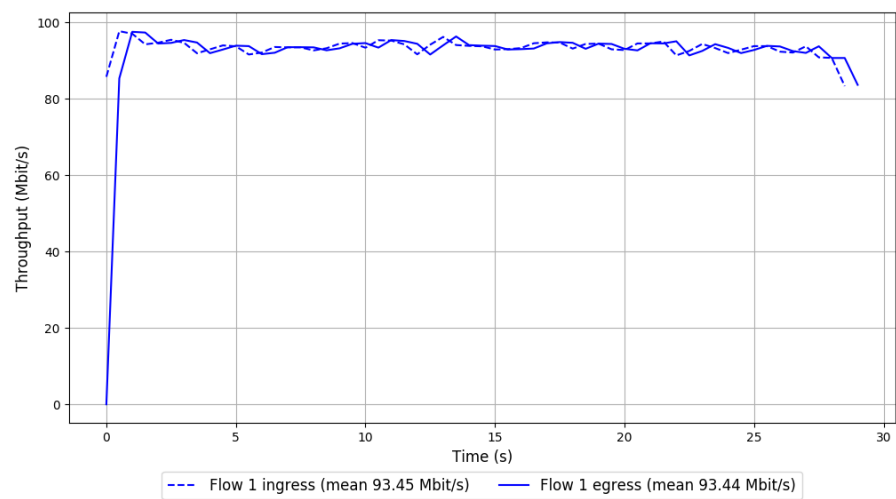
-- Flow 1:

Average throughput: 93.44 Mbit/s

95th percentile per-packet one-way delay: 2.288 ms

Loss rate: 0.00%

Run 4: Report of Indigo-MusesT — Data Link



Run 5: Statistics of Indigo-MusesT

Start at: 2019-02-11 13:35:46

End at: 2019-02-11 13:36:16

Local clock offset: -4.483 ms

Remote clock offset: 1.246 ms

Below is generated by plot.py at 2019-02-11 14:04:08

Datalink statistics

-- Total of 1 flow:

Average throughput: 84.93 Mbit/s

95th percentile per-packet one-way delay: 4.196 ms

Loss rate: 0.00%

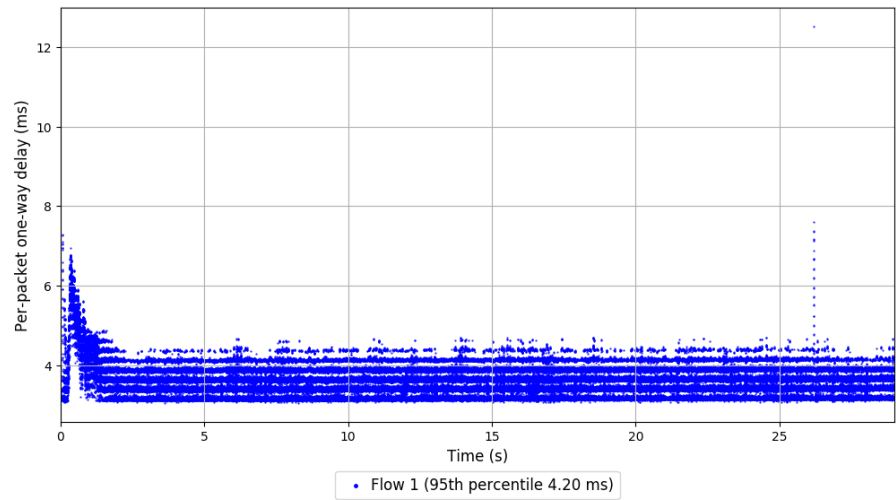
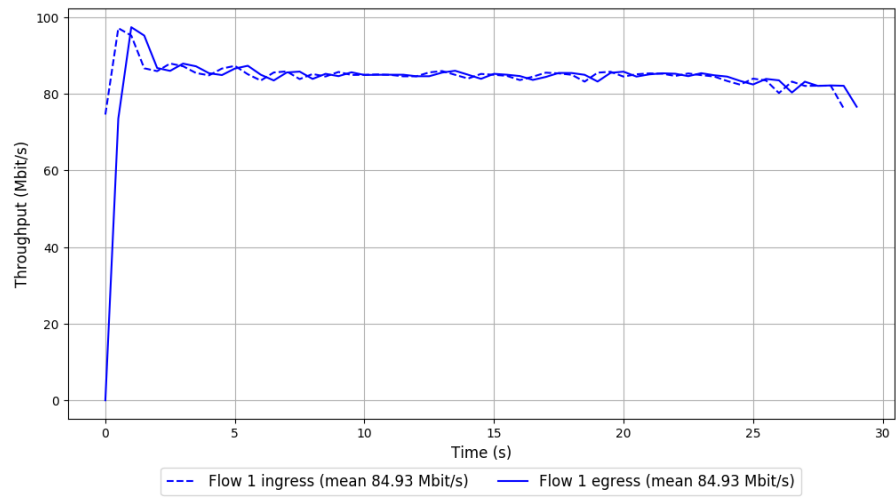
-- Flow 1:

Average throughput: 84.93 Mbit/s

95th percentile per-packet one-way delay: 4.196 ms

Loss rate: 0.00%

Run 5: Report of Indigo-MusesT — Data Link



Run 1: Statistics of LEDBAT

Start at: 2019-02-11 12:09:55

End at: 2019-02-11 12:10:25

Local clock offset: -1.383 ms

Remote clock offset: 0.529 ms

Below is generated by plot.py at 2019-02-11 14:04:18

Datalink statistics

-- Total of 1 flow:

Average throughput: 97.11 Mbit/s

95th percentile per-packet one-way delay: 31.926 ms

Loss rate: 0.01%

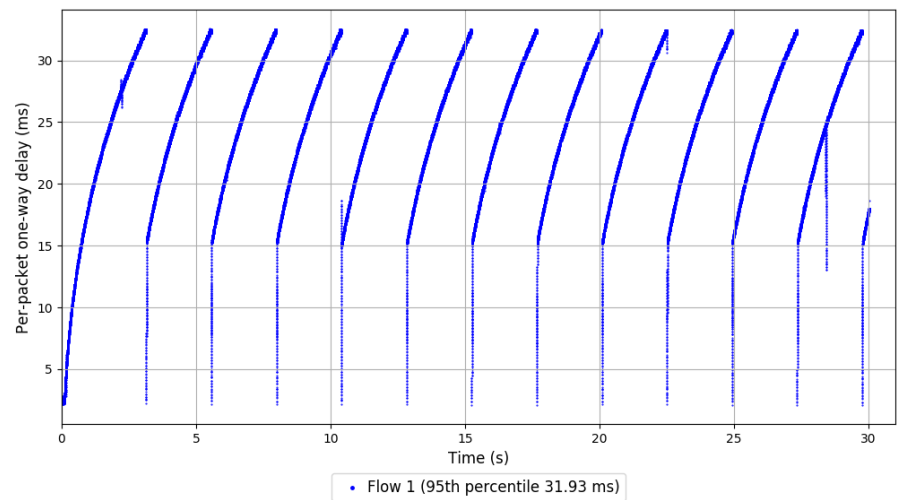
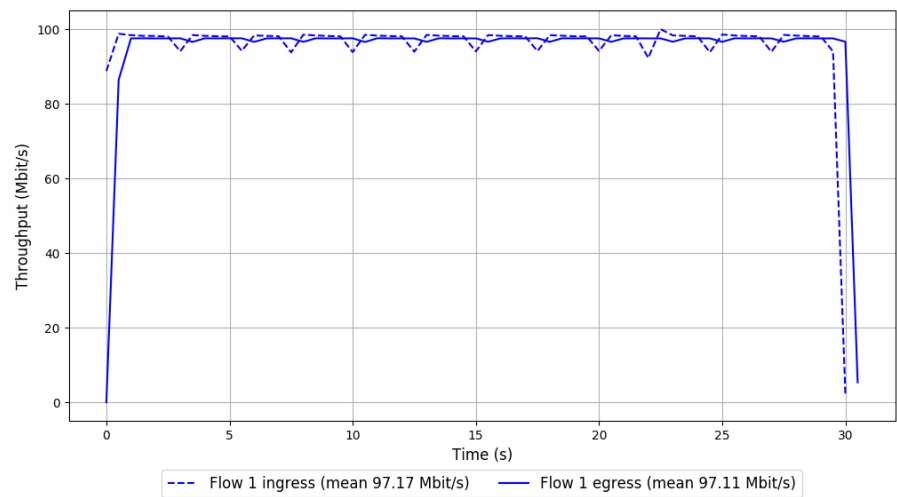
-- Flow 1:

Average throughput: 97.11 Mbit/s

95th percentile per-packet one-way delay: 31.926 ms

Loss rate: 0.01%

Run 1: Report of LEDBAT — Data Link



Run 2: Statistics of LEDBAT

Start at: 2019-02-11 12:33:22

End at: 2019-02-11 12:33:52

Local clock offset: -2.28 ms

Remote clock offset: 0.925 ms

Below is generated by plot.py at 2019-02-11 14:04:33

Datalink statistics

-- Total of 1 flow:

Average throughput: 97.24 Mbit/s

95th percentile per-packet one-way delay: 31.452 ms

Loss rate: 0.01%

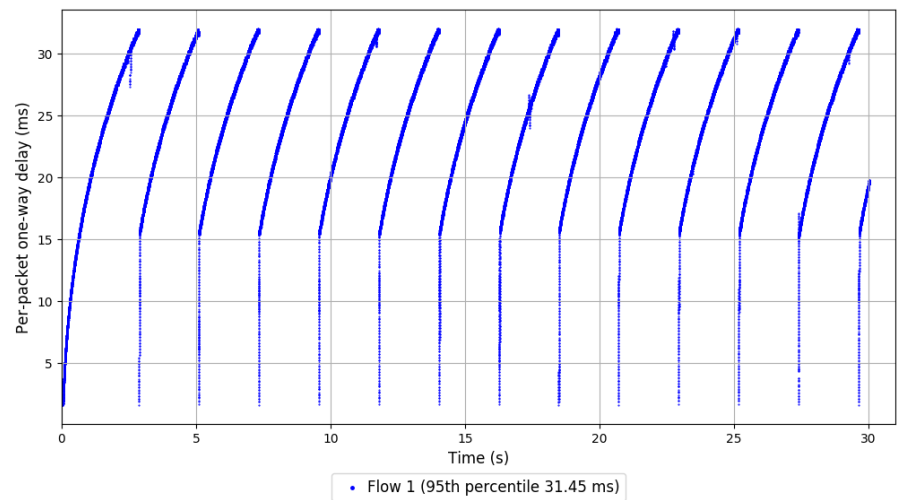
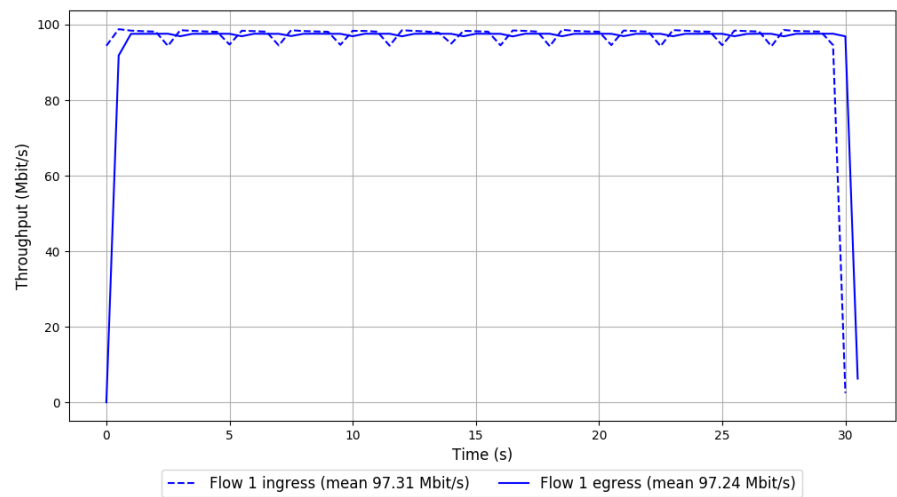
-- Flow 1:

Average throughput: 97.24 Mbit/s

95th percentile per-packet one-way delay: 31.452 ms

Loss rate: 0.01%

Run 2: Report of LEDBAT — Data Link



Run 3: Statistics of LEDBAT

Start at: 2019-02-11 12:56:49

End at: 2019-02-11 12:57:19

Local clock offset: -3.116 ms

Remote clock offset: 1.192 ms

Below is generated by plot.py at 2019-02-11 14:04:40

Datalink statistics

-- Total of 1 flow:

Average throughput: 97.10 Mbit/s

95th percentile per-packet one-way delay: 32.922 ms

Loss rate: 0.01%

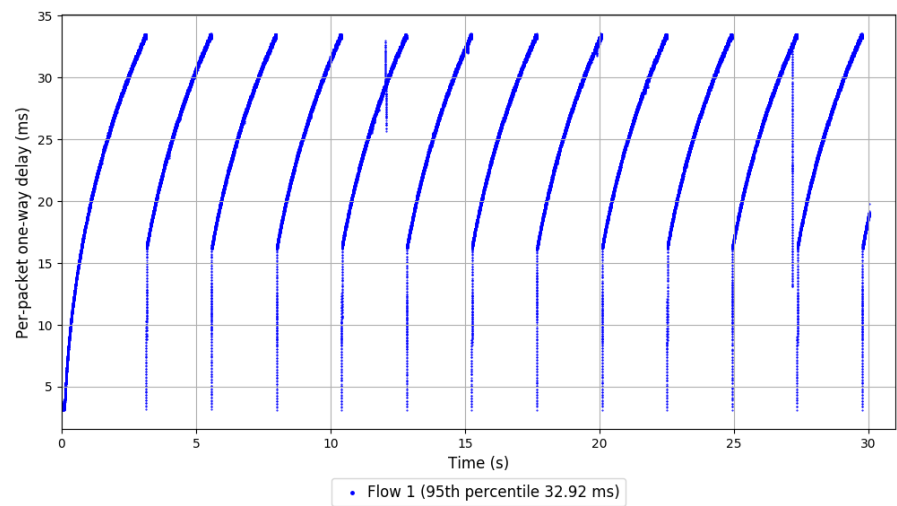
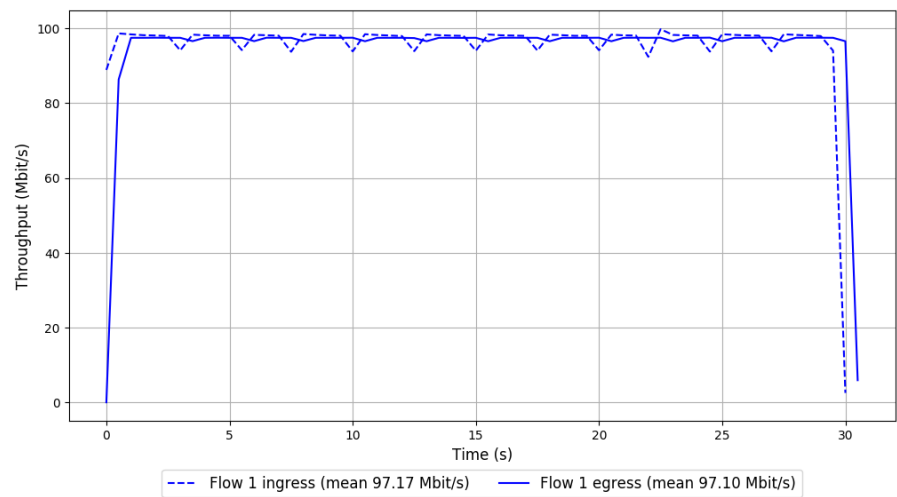
-- Flow 1:

Average throughput: 97.10 Mbit/s

95th percentile per-packet one-way delay: 32.922 ms

Loss rate: 0.01%

Run 3: Report of LEDBAT — Data Link



Run 4: Statistics of LEDBAT

Start at: 2019-02-11 13:20:13

End at: 2019-02-11 13:20:43

Local clock offset: -3.799 ms

Remote clock offset: 1.327 ms

Below is generated by plot.py at 2019-02-11 14:05:00

Datalink statistics

-- Total of 1 flow:

Average throughput: 95.79 Mbit/s

95th percentile per-packet one-way delay: 32.062 ms

Loss rate: 0.01%

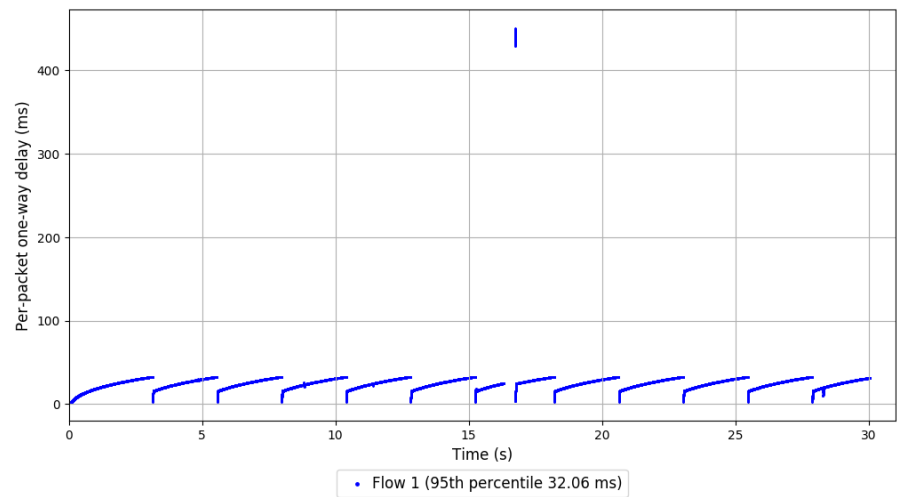
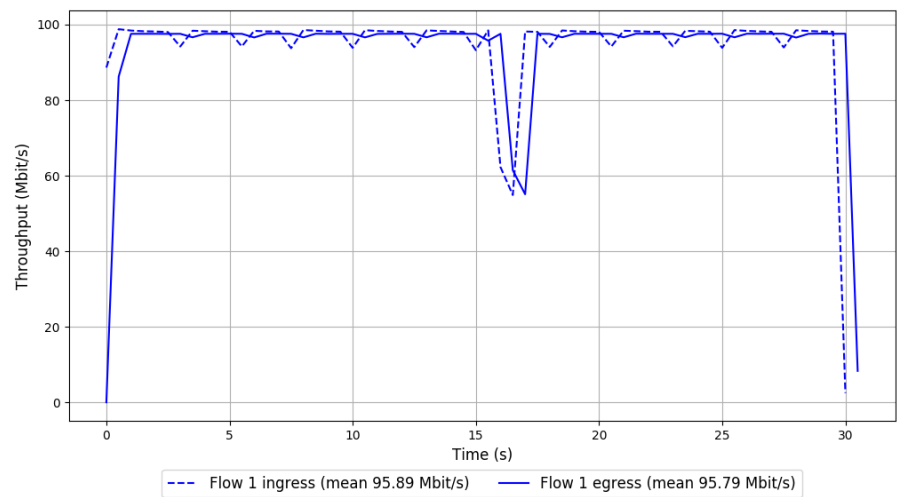
-- Flow 1:

Average throughput: 95.79 Mbit/s

95th percentile per-packet one-way delay: 32.062 ms

Loss rate: 0.01%

Run 4: Report of LEDBAT — Data Link



Run 5: Statistics of LEDBAT

Start at: 2019-02-11 13:43:38

End at: 2019-02-11 13:44:08

Local clock offset: -3.279 ms

Remote clock offset: 1.104 ms

Below is generated by plot.py at 2019-02-11 14:05:15

Datalink statistics

-- Total of 1 flow:

Average throughput: 97.23 Mbit/s

95th percentile per-packet one-way delay: 30.569 ms

Loss rate: 0.01%

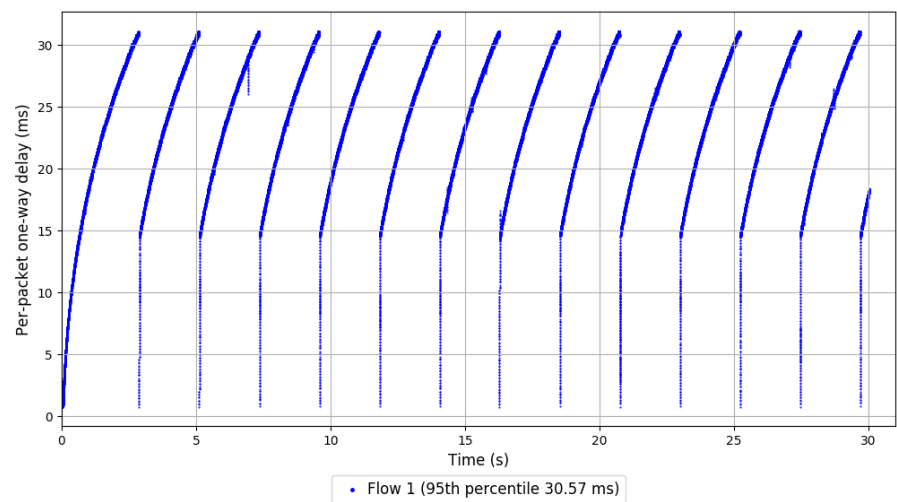
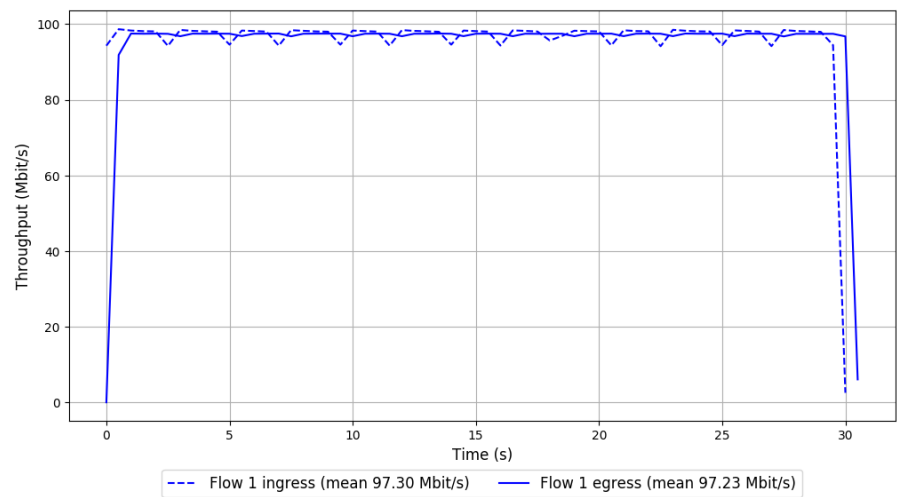
-- Flow 1:

Average throughput: 97.23 Mbit/s

95th percentile per-packet one-way delay: 30.569 ms

Loss rate: 0.01%

Run 5: Report of LEDBAT — Data Link

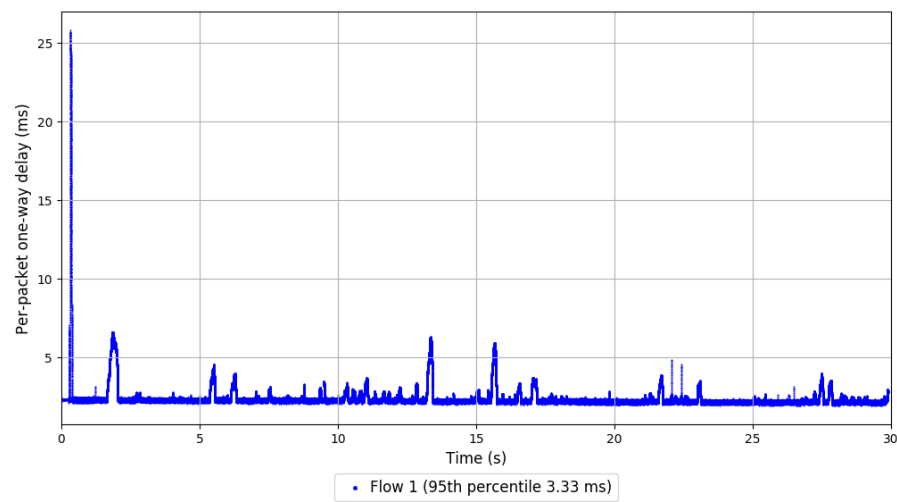
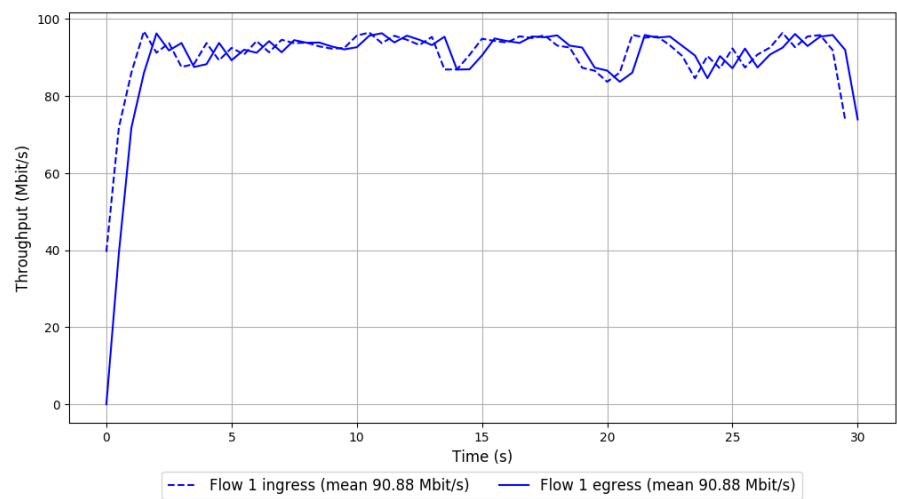


```
Run 1: Statistics of PCC-Allegro

Start at: 2019-02-11 12:05:27
End at: 2019-02-11 12:05:57
Local clock offset: -0.158 ms
Remote clock offset: 0.577 ms

# Below is generated by plot.py at 2019-02-11 14:05:15
# Datalink statistics
-- Total of 1 flow:
Average throughput: 90.88 Mbit/s
95th percentile per-packet one-way delay: 3.329 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 90.88 Mbit/s
95th percentile per-packet one-way delay: 3.329 ms
Loss rate: 0.01%
```

Run 1: Report of PCC-Allegro — Data Link



Run 2: Statistics of PCC-Allegro

Start at: 2019-02-11 12:28:53

End at: 2019-02-11 12:29:23

Local clock offset: -1.819 ms

Remote clock offset: 0.716 ms

Below is generated by plot.py at 2019-02-11 14:05:15

Datalink statistics

-- Total of 1 flow:

Average throughput: 86.56 Mbit/s

95th percentile per-packet one-way delay: 1.898 ms

Loss rate: 0.00%

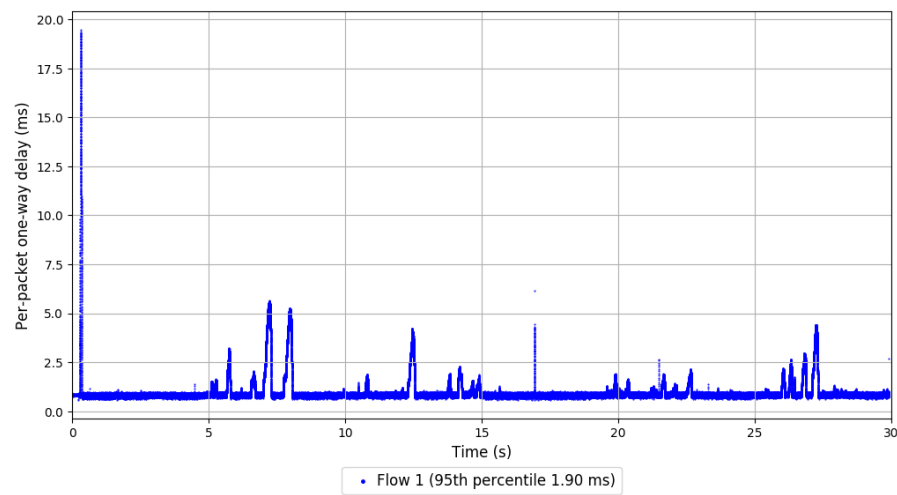
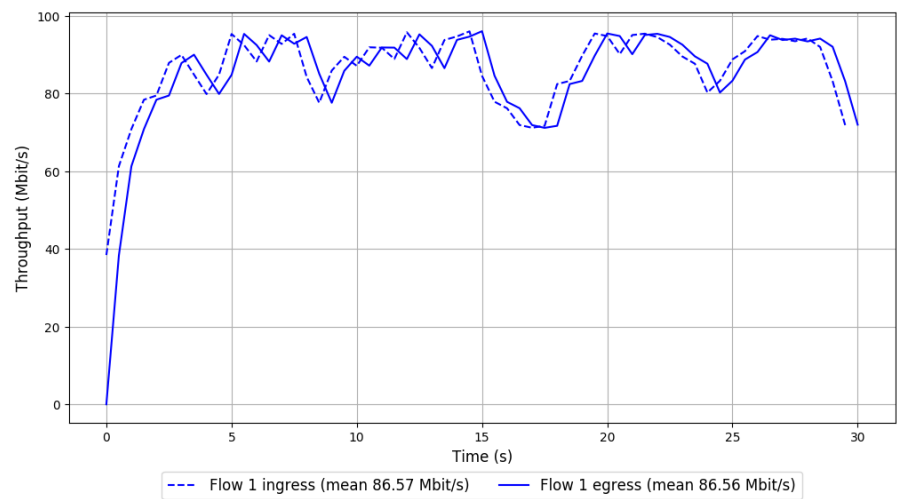
-- Flow 1:

Average throughput: 86.56 Mbit/s

95th percentile per-packet one-way delay: 1.898 ms

Loss rate: 0.00%

Run 2: Report of PCC-Allegro — Data Link



Run 3: Statistics of PCC-Allegro

Start at: 2019-02-11 12:52:20

End at: 2019-02-11 12:52:50

Local clock offset: -3.217 ms

Remote clock offset: 1.106 ms

Below is generated by plot.py at 2019-02-11 14:05:15

Datalink statistics

-- Total of 1 flow:

Average throughput: 87.80 Mbit/s

95th percentile per-packet one-way delay: 3.564 ms

Loss rate: 0.00%

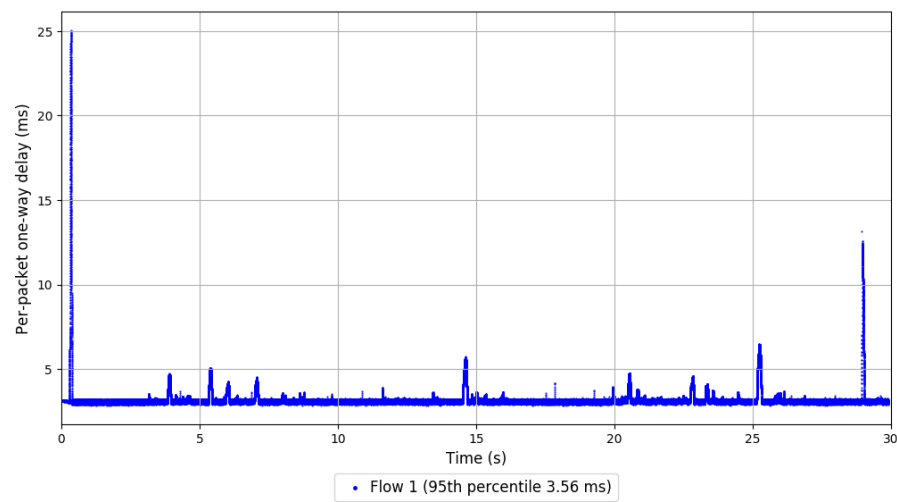
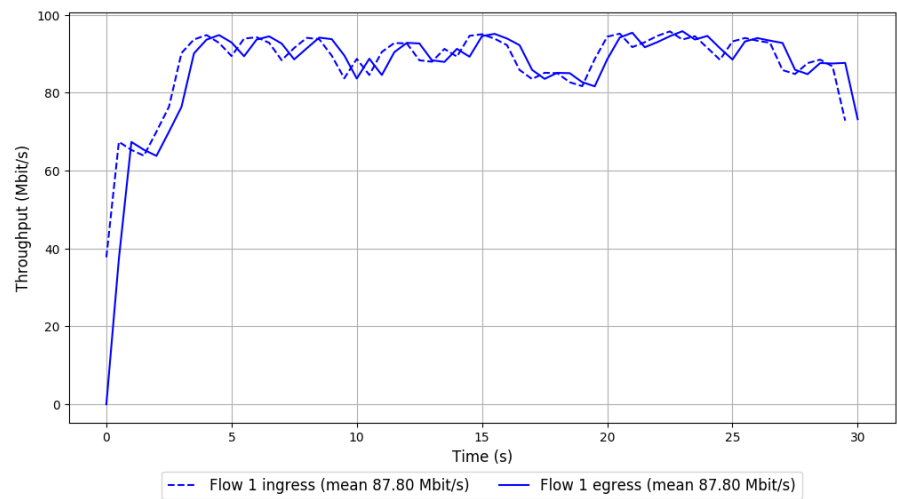
-- Flow 1:

Average throughput: 87.80 Mbit/s

95th percentile per-packet one-way delay: 3.564 ms

Loss rate: 0.00%

Run 3: Report of PCC-Allegro — Data Link



Run 4: Statistics of PCC-Allegro

Start at: 2019-02-11 13:15:45

End at: 2019-02-11 13:16:15

Local clock offset: -3.614 ms

Remote clock offset: 1.25 ms

Below is generated by plot.py at 2019-02-11 14:05:28

Datalink statistics

-- Total of 1 flow:

Average throughput: 87.38 Mbit/s

95th percentile per-packet one-way delay: 3.267 ms

Loss rate: 0.01%

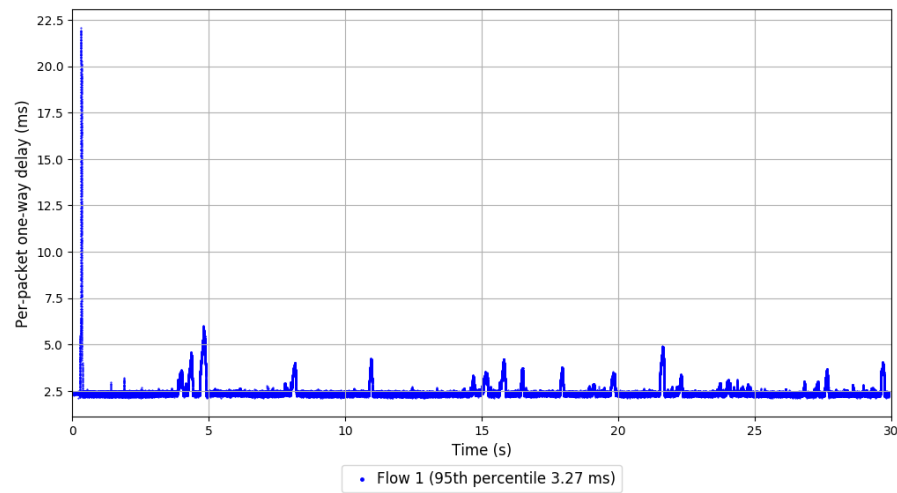
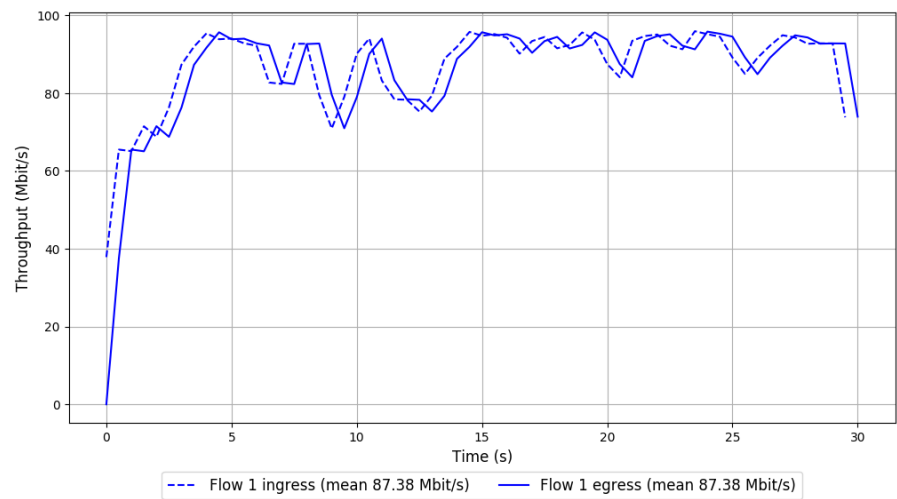
-- Flow 1:

Average throughput: 87.38 Mbit/s

95th percentile per-packet one-way delay: 3.267 ms

Loss rate: 0.01%

Run 4: Report of PCC-Allegro — Data Link



Run 5: Statistics of PCC-Allegro

Start at: 2019-02-11 13:39:10

End at: 2019-02-11 13:39:40

Local clock offset: -4.261 ms

Remote clock offset: 1.28 ms

Below is generated by plot.py at 2019-02-11 14:05:39

Datalink statistics

-- Total of 1 flow:

Average throughput: 83.60 Mbit/s

95th percentile per-packet one-way delay: 2.473 ms

Loss rate: 0.00%

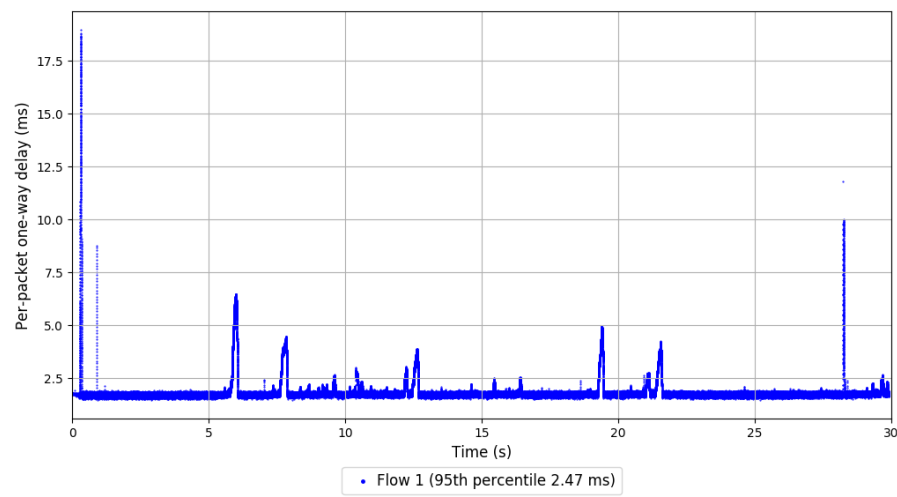
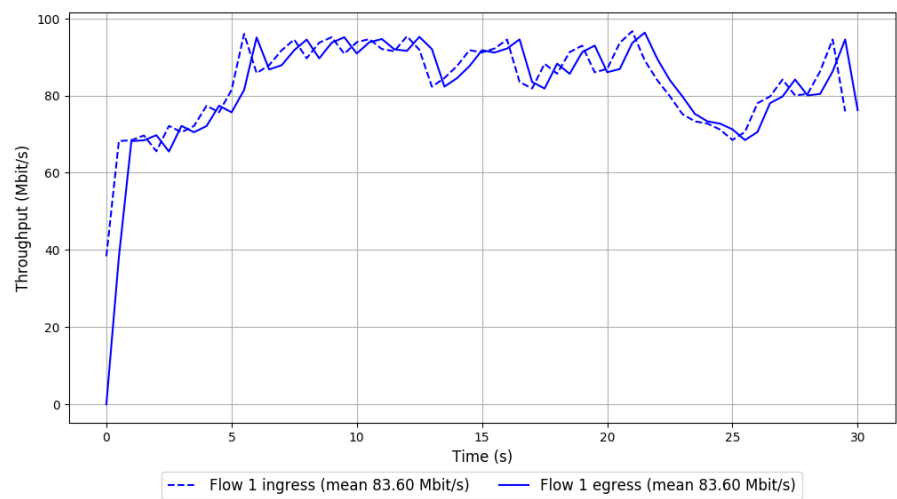
-- Flow 1:

Average throughput: 83.60 Mbit/s

95th percentile per-packet one-way delay: 2.473 ms

Loss rate: 0.00%

Run 5: Report of PCC-Allegro — Data Link

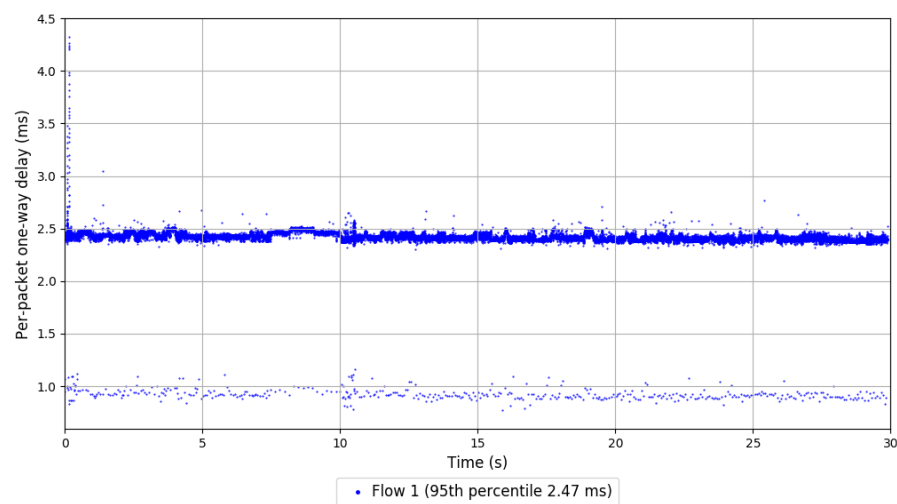
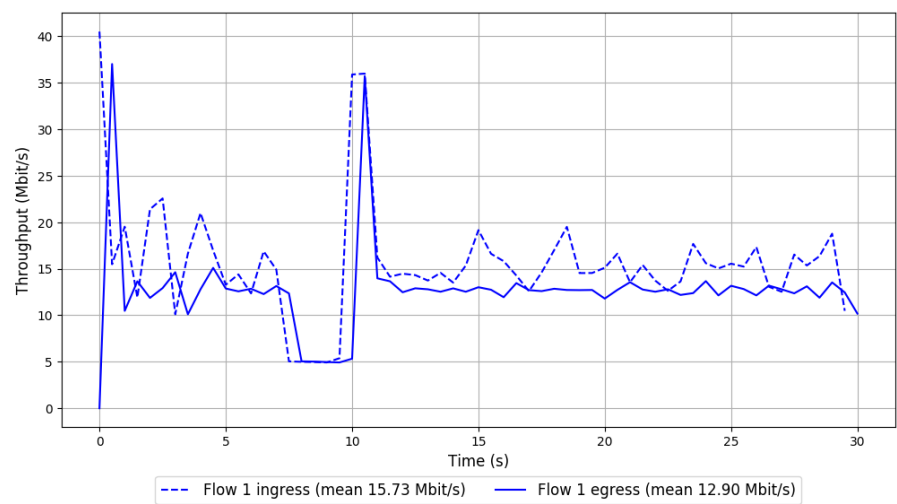


```
Run 1: Statistics of PCC-Expr

Start at: 2019-02-11 12:14:25
End at: 2019-02-11 12:14:55
Local clock offset: -2.023 ms
Remote clock offset: 0.68 ms

# Below is generated by plot.py at 2019-02-11 14:05:39
# Datalink statistics
-- Total of 1 flow:
Average throughput: 12.90 Mbit/s
95th percentile per-packet one-way delay: 2.471 ms
Loss rate: 18.00%
-- Flow 1:
Average throughput: 12.90 Mbit/s
95th percentile per-packet one-way delay: 2.471 ms
Loss rate: 18.00%
```

Run 1: Report of PCC-Expr — Data Link



Run 2: Statistics of PCC-Expr

Start at: 2019-02-11 12:37:51

End at: 2019-02-11 12:38:21

Local clock offset: -2.783 ms

Remote clock offset: 1.009 ms

Below is generated by plot.py at 2019-02-11 14:05:39

Datalink statistics

-- Total of 1 flow:

Average throughput: 13.12 Mbit/s

95th percentile per-packet one-way delay: 1.623 ms

Loss rate: 19.48%

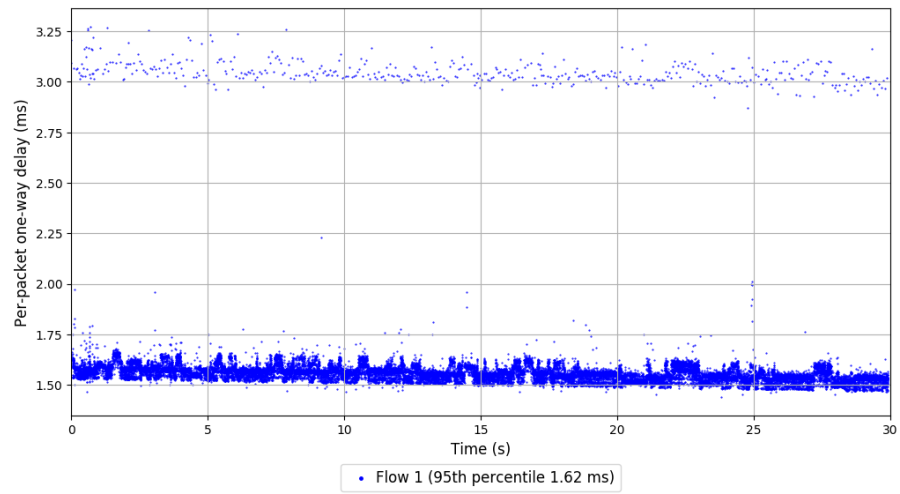
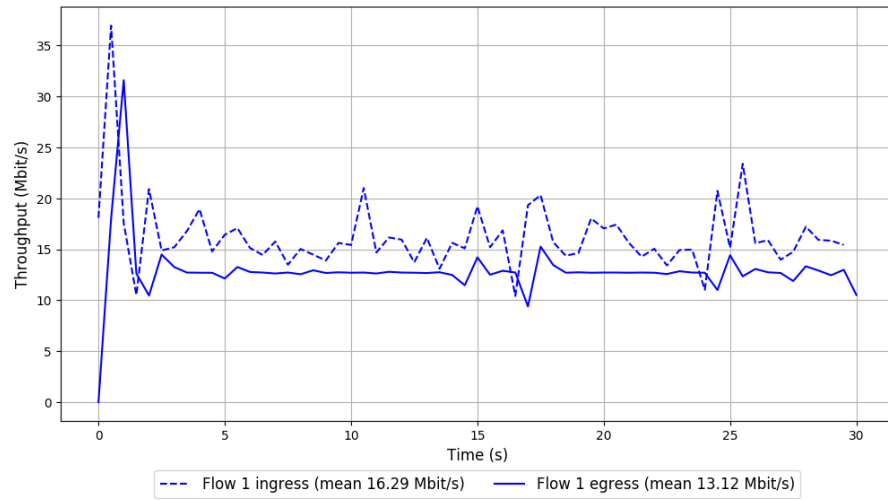
-- Flow 1:

Average throughput: 13.12 Mbit/s

95th percentile per-packet one-way delay: 1.623 ms

Loss rate: 19.48%

Run 2: Report of PCC-Expr — Data Link



Run 3: Statistics of PCC-Expr

Start at: 2019-02-11 13:01:17

End at: 2019-02-11 13:01:47

Local clock offset: -2.126 ms

Remote clock offset: 1.227 ms

Below is generated by plot.py at 2019-02-11 14:05:39

Datalink statistics

-- Total of 1 flow:

Average throughput: 13.12 Mbit/s

95th percentile per-packet one-way delay: 2.476 ms

Loss rate: 21.14%

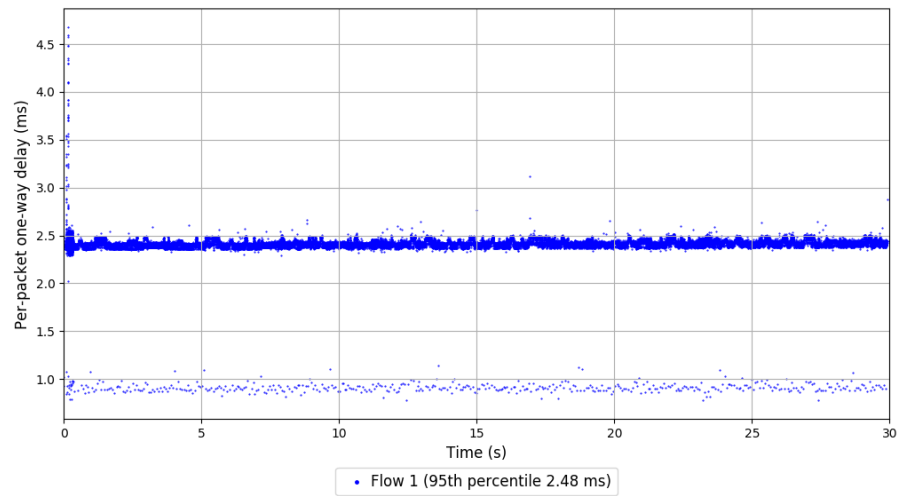
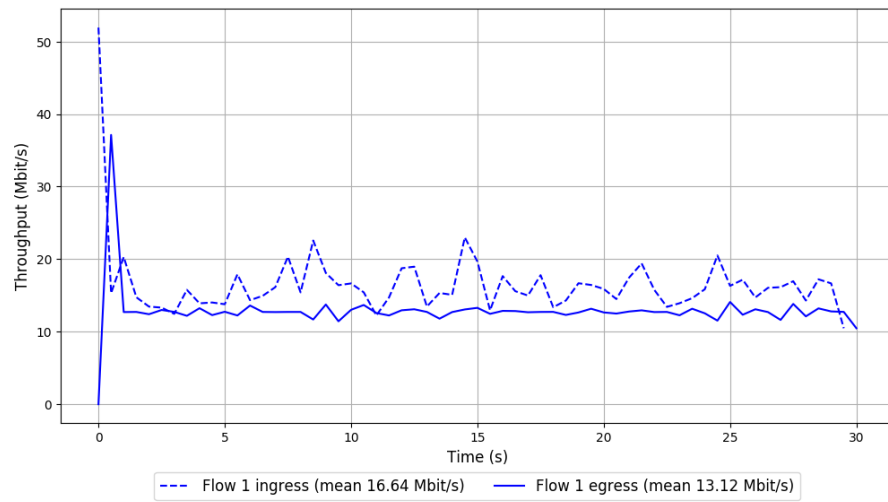
-- Flow 1:

Average throughput: 13.12 Mbit/s

95th percentile per-packet one-way delay: 2.476 ms

Loss rate: 21.14%

Run 3: Report of PCC-Expr — Data Link



Run 4: Statistics of PCC-Expr

Start at: 2019-02-11 13:24:41

End at: 2019-02-11 13:25:11

Local clock offset: -4.643 ms

Remote clock offset: 1.212 ms

Below is generated by plot.py at 2019-02-11 14:05:39

Datalink statistics

-- Total of 1 flow:

Average throughput: 13.12 Mbit/s

95th percentile per-packet one-way delay: 1.668 ms

Loss rate: 27.94%

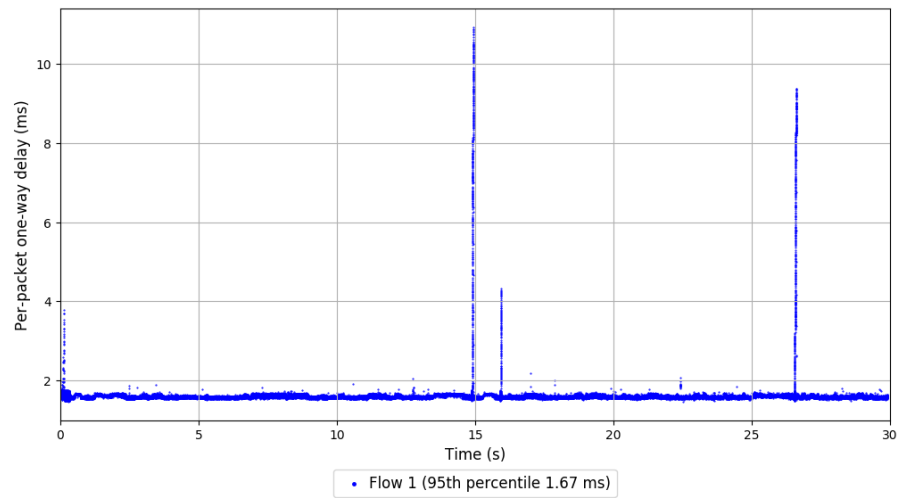
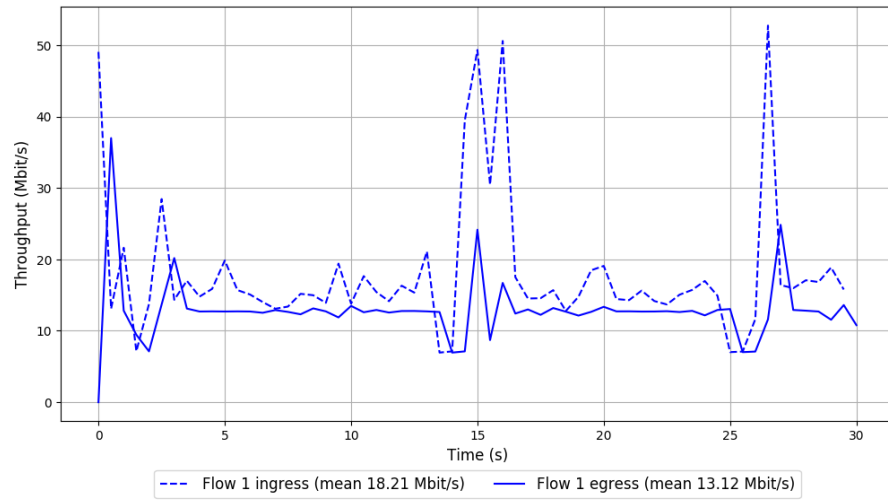
-- Flow 1:

Average throughput: 13.12 Mbit/s

95th percentile per-packet one-way delay: 1.668 ms

Loss rate: 27.94%

Run 4: Report of PCC-Expr — Data Link



Run 5: Statistics of PCC-Expr

Start at: 2019-02-11 13:48:06

End at: 2019-02-11 13:48:37

Local clock offset: -3.864 ms

Remote clock offset: 1.181 ms

Below is generated by plot.py at 2019-02-11 14:05:39

Datalink statistics

-- Total of 1 flow:

Average throughput: 13.12 Mbit/s

95th percentile per-packet one-way delay: 3.224 ms

Loss rate: 20.92%

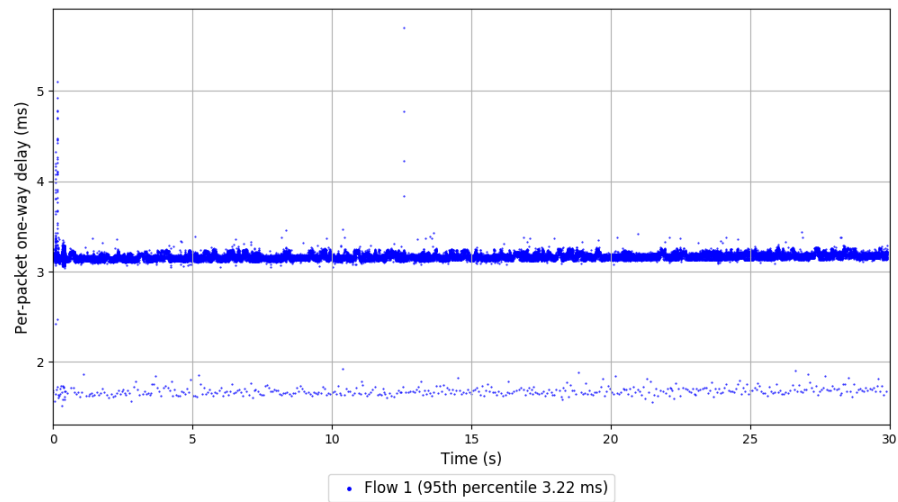
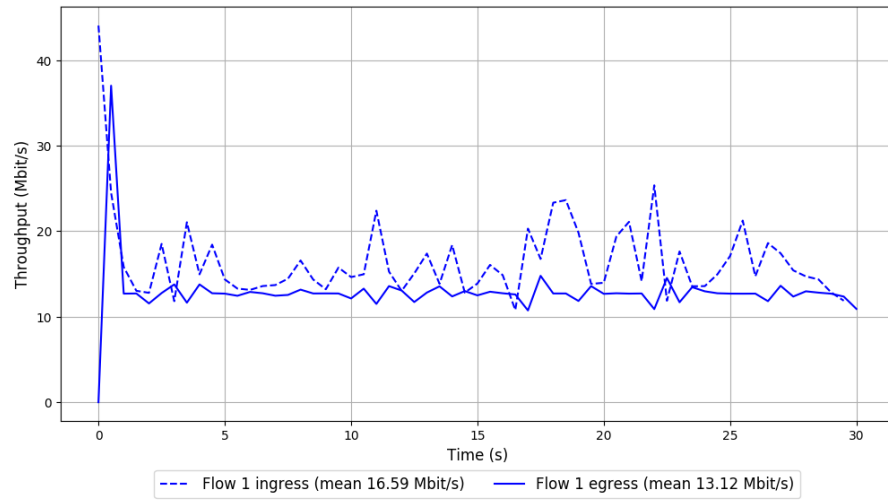
-- Flow 1:

Average throughput: 13.12 Mbit/s

95th percentile per-packet one-way delay: 3.224 ms

Loss rate: 20.92%

Run 5: Report of PCC-Expr — Data Link



Run 1: Statistics of QUIC Cubic

Start at: 2019-02-11 12:22:08

End at: 2019-02-11 12:22:38

Local clock offset: -2.88 ms

Remote clock offset: 0.704 ms

Below is generated by plot.py at 2019-02-11 14:06:12

Datalink statistics

-- Total of 1 flow:

Average throughput: 75.96 Mbit/s

95th percentile per-packet one-way delay: 3.383 ms

Loss rate: 0.07%

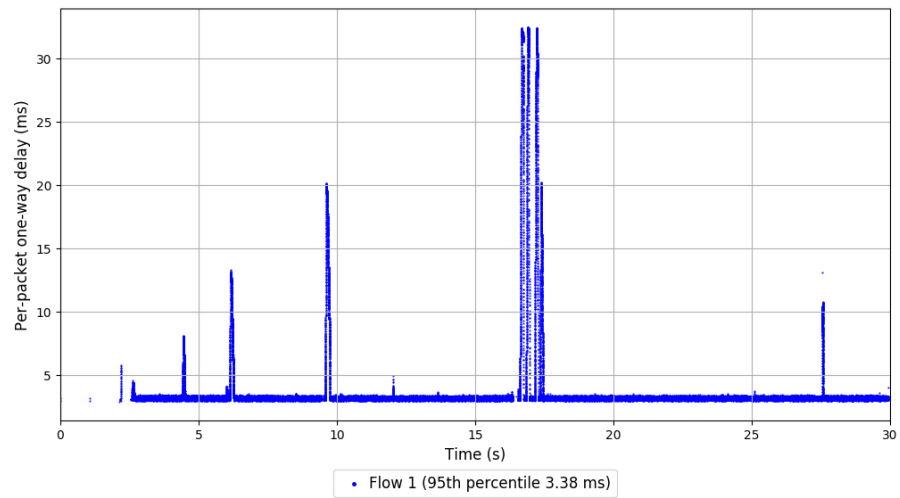
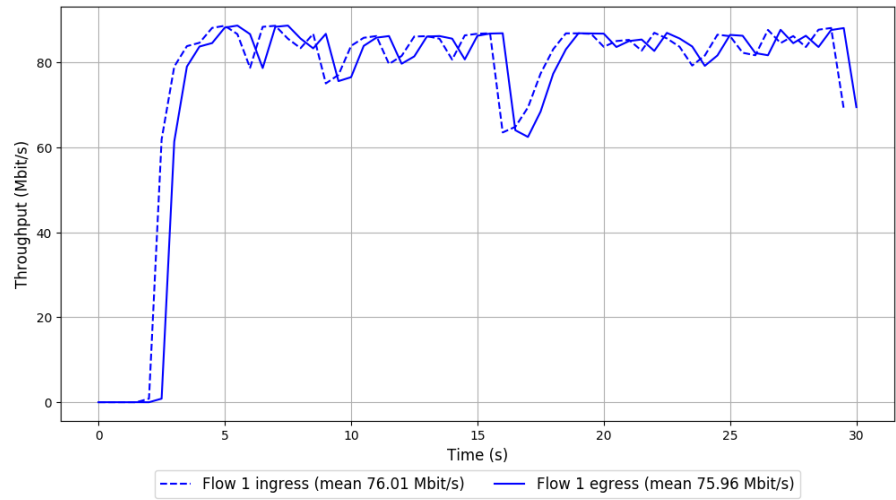
-- Flow 1:

Average throughput: 75.96 Mbit/s

95th percentile per-packet one-way delay: 3.383 ms

Loss rate: 0.07%

Run 1: Report of QUIC Cubic — Data Link



Run 2: Statistics of QUIC Cubic

Start at: 2019-02-11 12:45:36

End at: 2019-02-11 12:46:06

Local clock offset: -2.509 ms

Remote clock offset: 1.163 ms

Below is generated by plot.py at 2019-02-11 14:06:17

Datalink statistics

-- Total of 1 flow:

Average throughput: 79.08 Mbit/s

95th percentile per-packet one-way delay: 1.188 ms

Loss rate: 0.21%

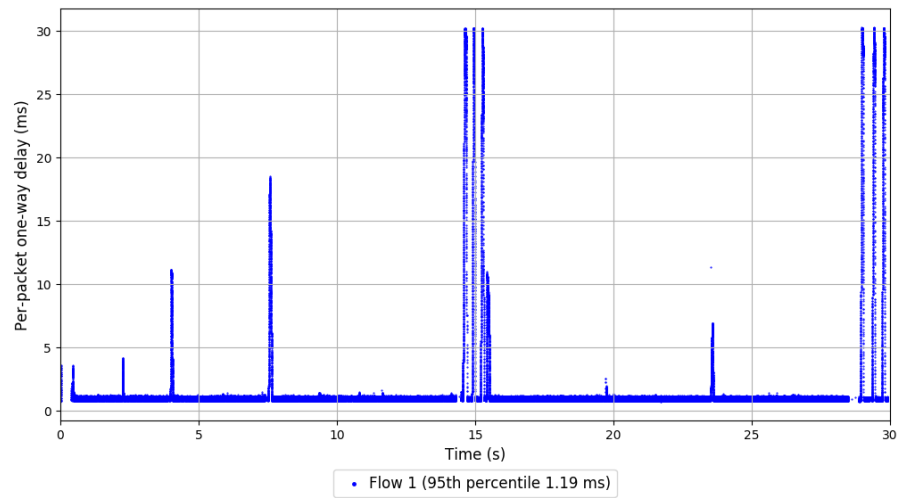
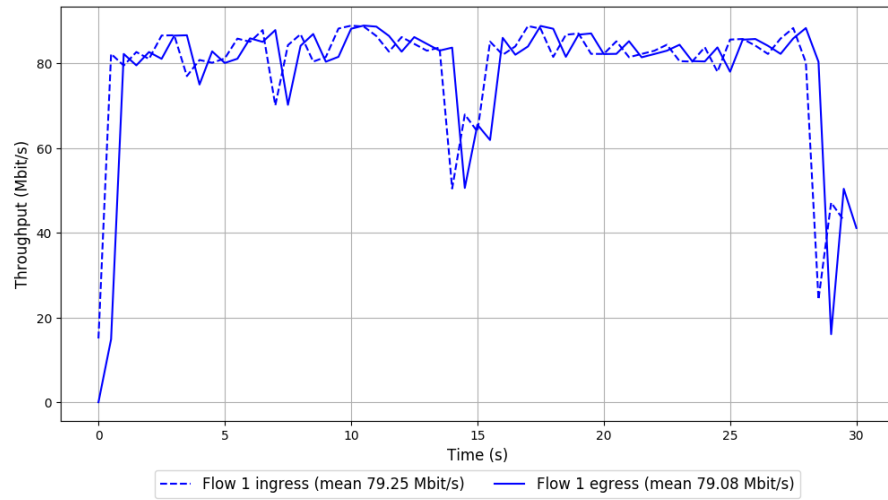
-- Flow 1:

Average throughput: 79.08 Mbit/s

95th percentile per-packet one-way delay: 1.188 ms

Loss rate: 0.21%

Run 2: Report of QUIC Cubic — Data Link



Run 3: Statistics of QUIC Cubic

Start at: 2019-02-11 13:09:00

End at: 2019-02-11 13:09:30

Local clock offset: -2.938 ms

Remote clock offset: 1.243 ms

Below is generated by plot.py at 2019-02-11 14:06:17

Datalink statistics

-- Total of 1 flow:

Average throughput: 77.16 Mbit/s

95th percentile per-packet one-way delay: 8.125 ms

Loss rate: 0.30%

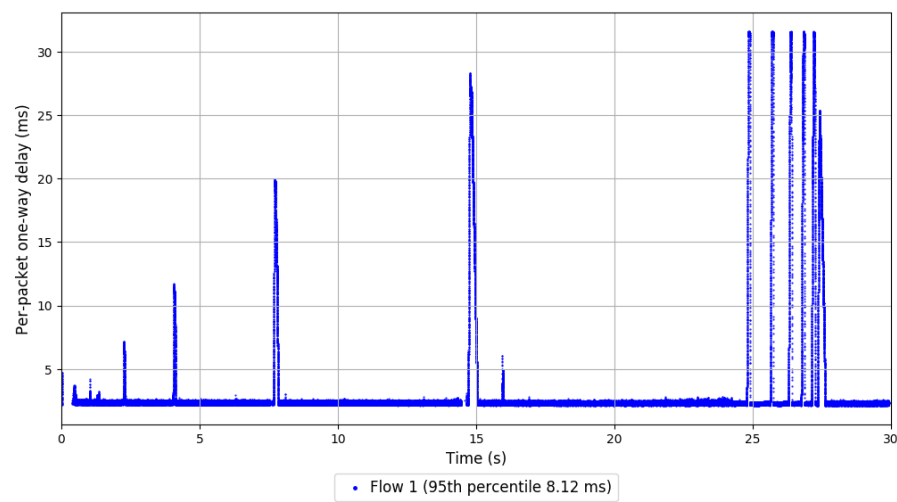
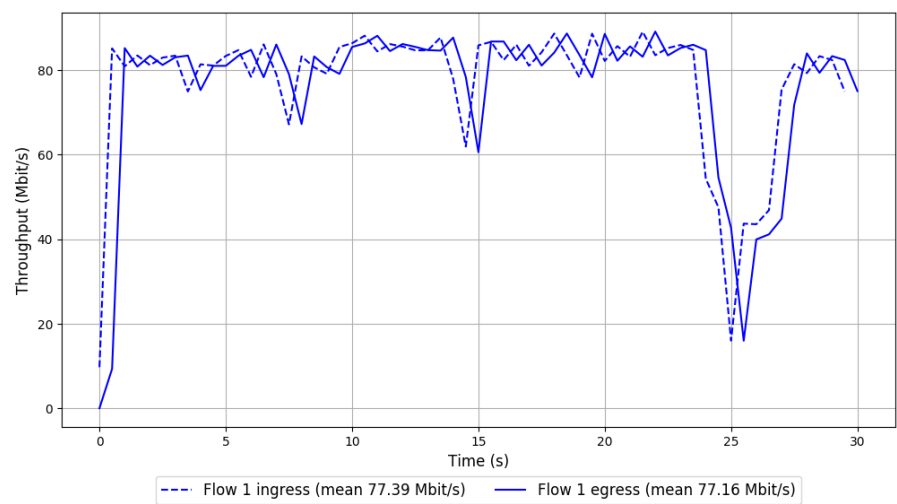
-- Flow 1:

Average throughput: 77.16 Mbit/s

95th percentile per-packet one-way delay: 8.125 ms

Loss rate: 0.30%

Run 3: Report of QUIC Cubic — Data Link



Run 4: Statistics of QUIC Cubic

Start at: 2019-02-11 13:32:25

End at: 2019-02-11 13:32:55

Local clock offset: -4.663 ms

Remote clock offset: 1.274 ms

Below is generated by plot.py at 2019-02-11 14:06:19

Datalink statistics

-- Total of 1 flow:

Average throughput: 77.37 Mbit/s

95th percentile per-packet one-way delay: 3.750 ms

Loss rate: 0.34%

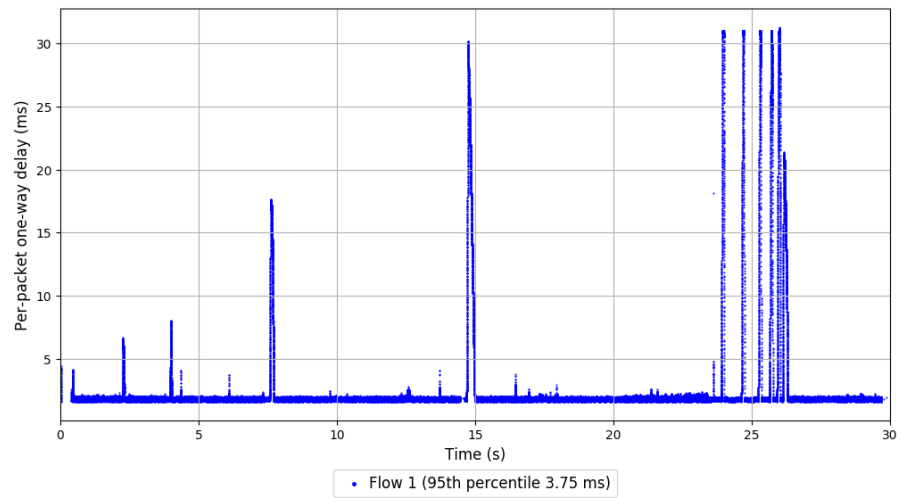
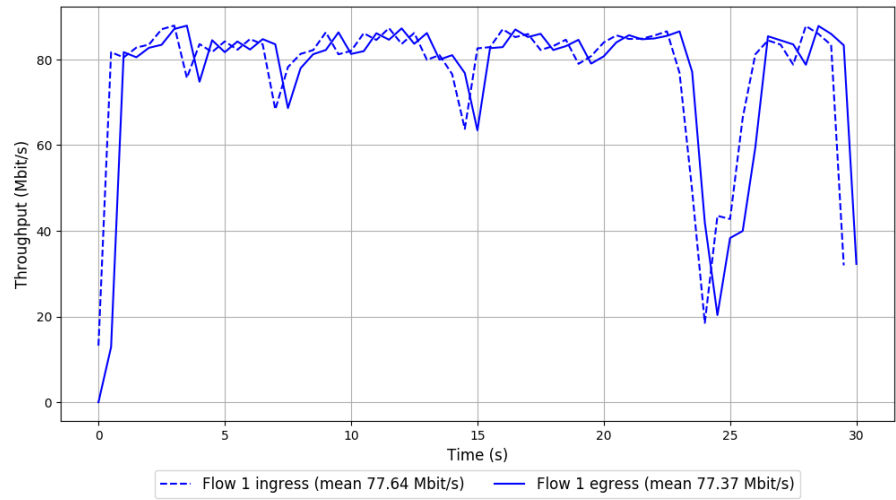
-- Flow 1:

Average throughput: 77.37 Mbit/s

95th percentile per-packet one-way delay: 3.750 ms

Loss rate: 0.34%

Run 4: Report of QUIC Cubic — Data Link



Run 5: Statistics of QUIC Cubic

Start at: 2019-02-11 13:55:51

End at: 2019-02-11 13:56:21

Local clock offset: -2.913 ms

Remote clock offset: 0.972 ms

Below is generated by plot.py at 2019-02-11 14:06:20

Datalink statistics

-- Total of 1 flow:

Average throughput: 77.63 Mbit/s

95th percentile per-packet one-way delay: 4.621 ms

Loss rate: 0.36%

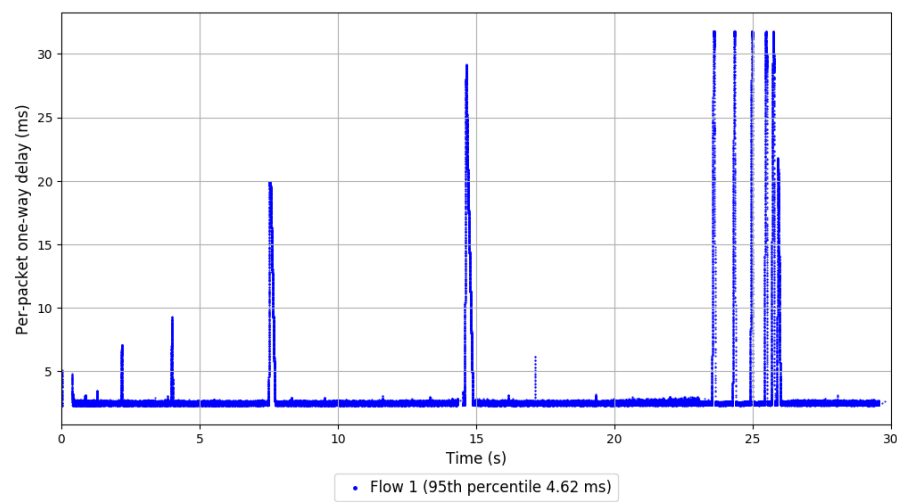
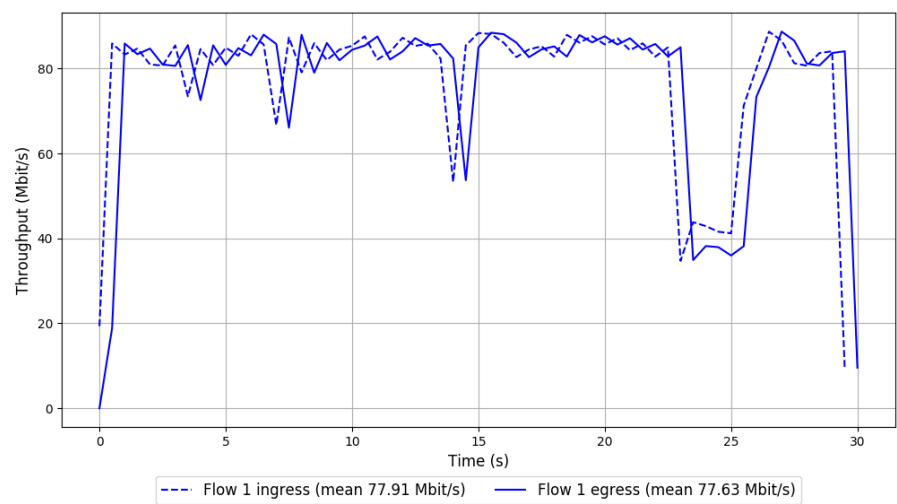
-- Flow 1:

Average throughput: 77.63 Mbit/s

95th percentile per-packet one-way delay: 4.621 ms

Loss rate: 0.36%

Run 5: Report of QUIC Cubic — Data Link

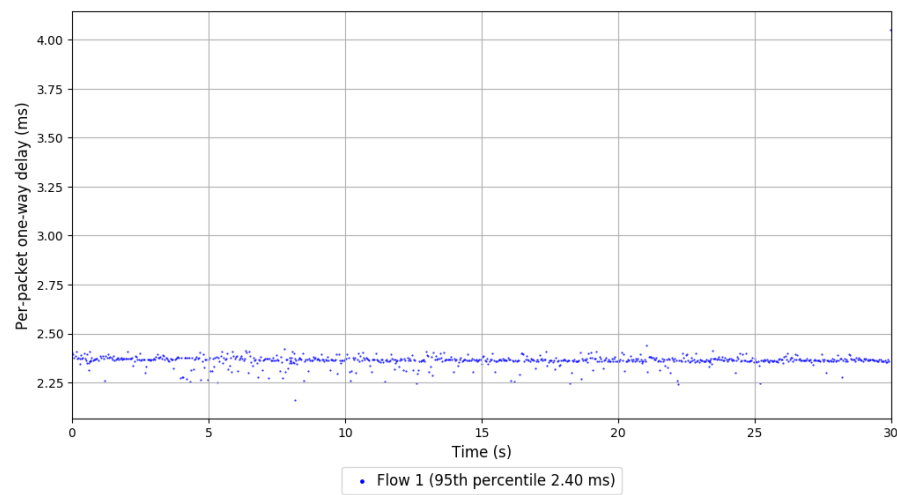
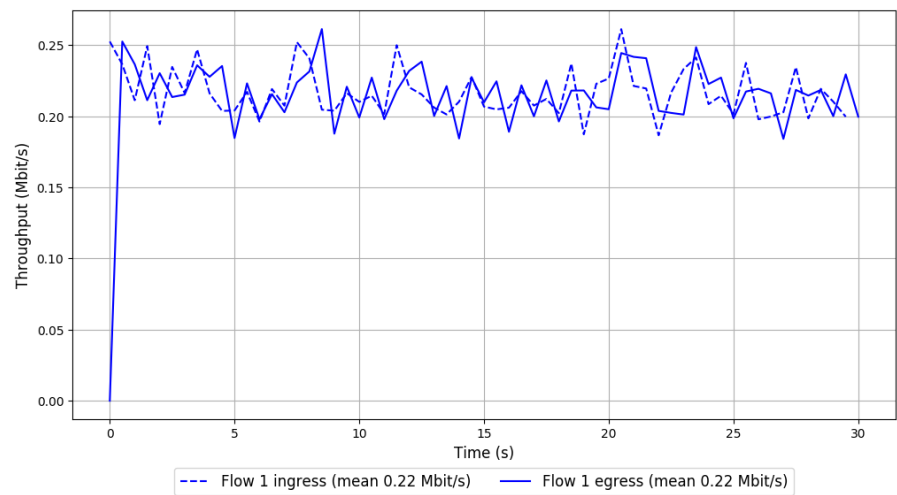


```
Run 1: Statistics of SCReAM

Start at: 2019-02-11 12:17:42
End at: 2019-02-11 12:18:12
Local clock offset: -2.119 ms
Remote clock offset: 0.646 ms

# Below is generated by plot.py at 2019-02-11 14:06:20
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 2.398 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 2.398 ms
Loss rate: 0.00%
```

Run 1: Report of SReAM — Data Link



Run 2: Statistics of SCReAM

Start at: 2019-02-11 12:41:08

End at: 2019-02-11 12:41:38

Local clock offset: -2.309 ms

Remote clock offset: 1.078 ms

Below is generated by plot.py at 2019-02-11 14:06:20

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 2.385 ms

Loss rate: 0.00%

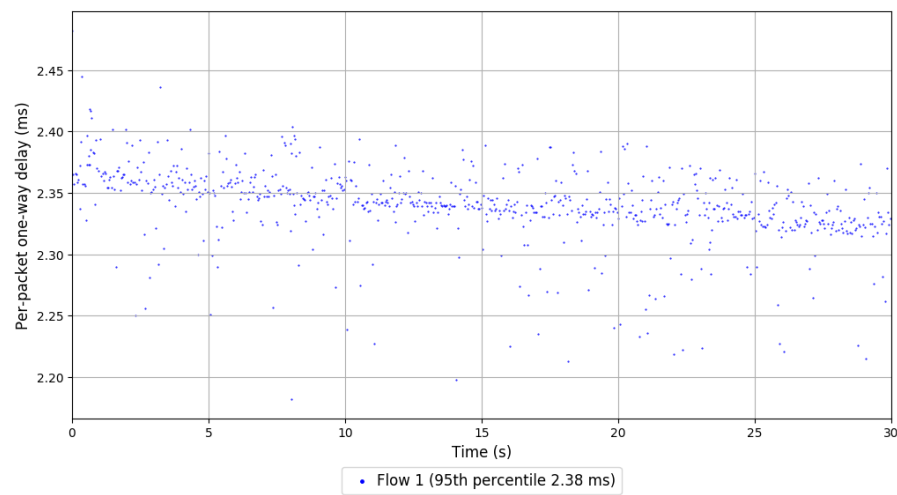
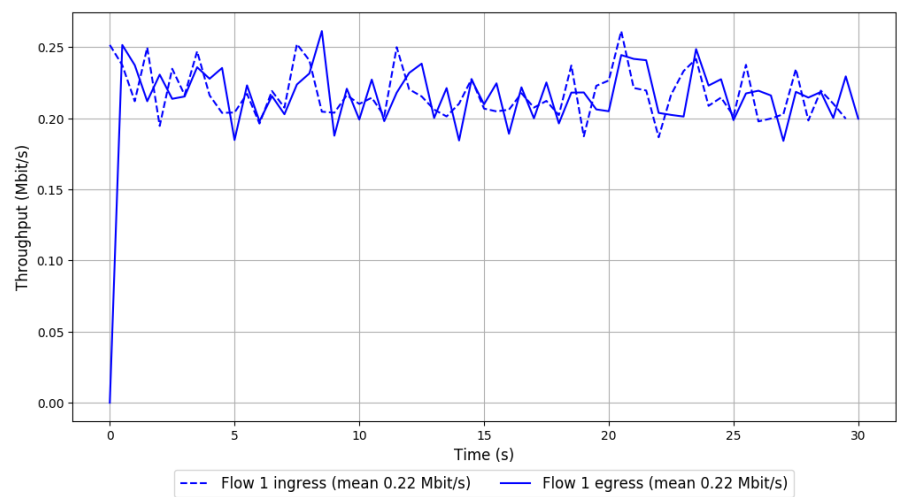
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 2.385 ms

Loss rate: 0.00%

Run 2: Report of SReAM — Data Link



Run 3: Statistics of SCReAM

Start at: 2019-02-11 13:04:34

End at: 2019-02-11 13:05:04

Local clock offset: -2.79 ms

Remote clock offset: 1.239 ms

Below is generated by plot.py at 2019-02-11 14:06:20

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 1.586 ms

Loss rate: 0.00%

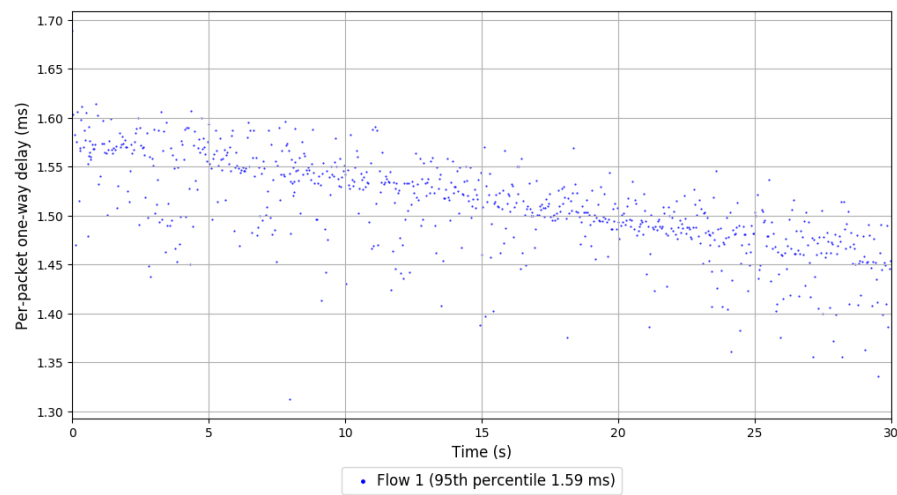
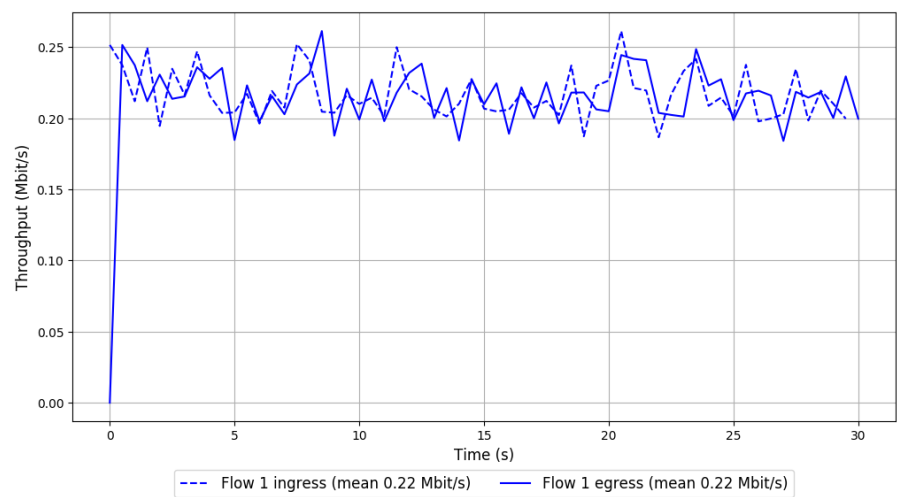
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 1.586 ms

Loss rate: 0.00%

Run 3: Report of SReAM — Data Link



Run 4: Statistics of SCReAM

Start at: 2019-02-11 13:27:59

End at: 2019-02-11 13:28:29

Local clock offset: -4.628 ms

Remote clock offset: 1.165 ms

Below is generated by plot.py at 2019-02-11 14:06:20

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 3.085 ms

Loss rate: 0.00%

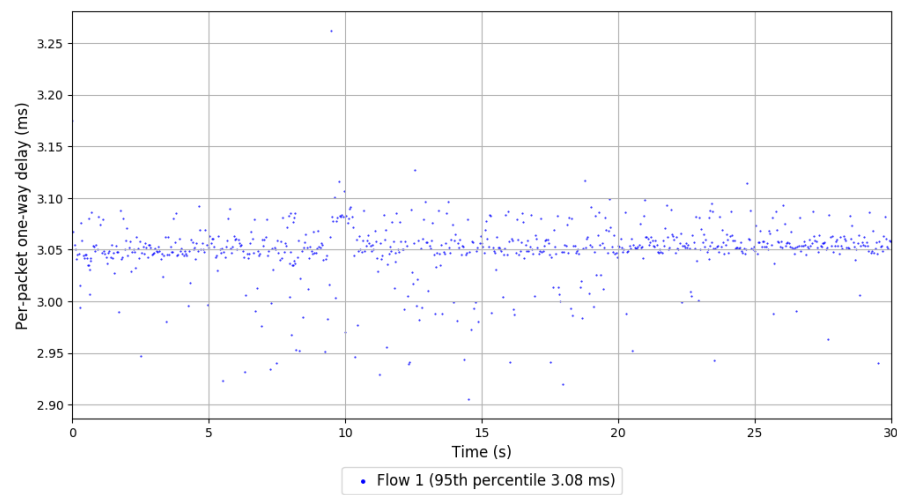
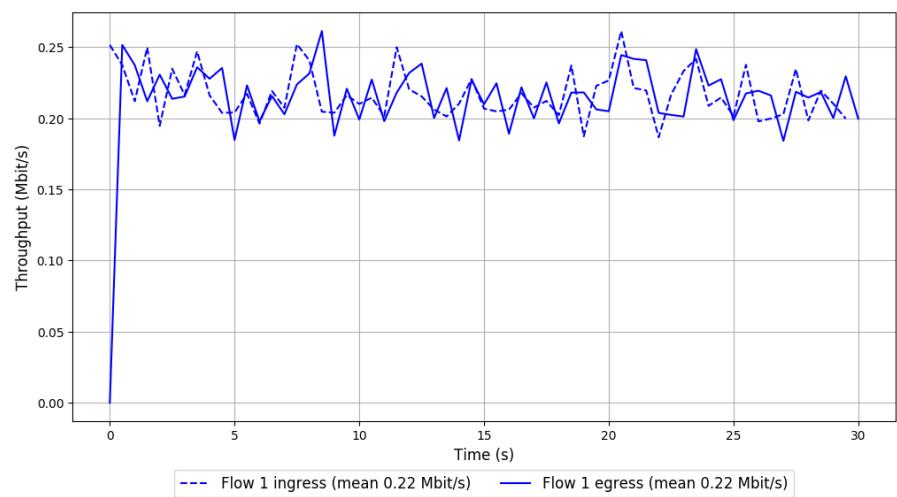
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 3.085 ms

Loss rate: 0.00%

Run 4: Report of SReAM — Data Link



Run 5: Statistics of SCReAM

Start at: 2019-02-11 13:51:24

End at: 2019-02-11 13:51:54

Local clock offset: -2.986 ms

Remote clock offset: 1.086 ms

Below is generated by plot.py at 2019-02-11 14:06:20

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 2.455 ms

Loss rate: 0.00%

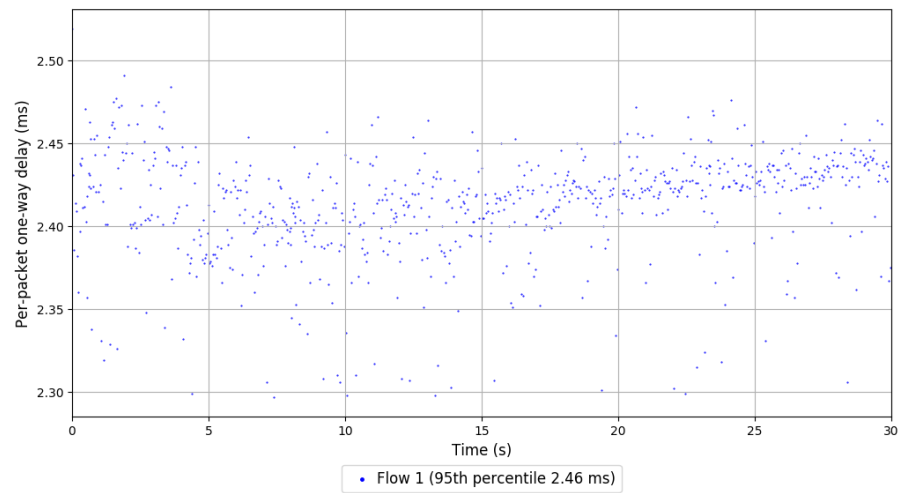
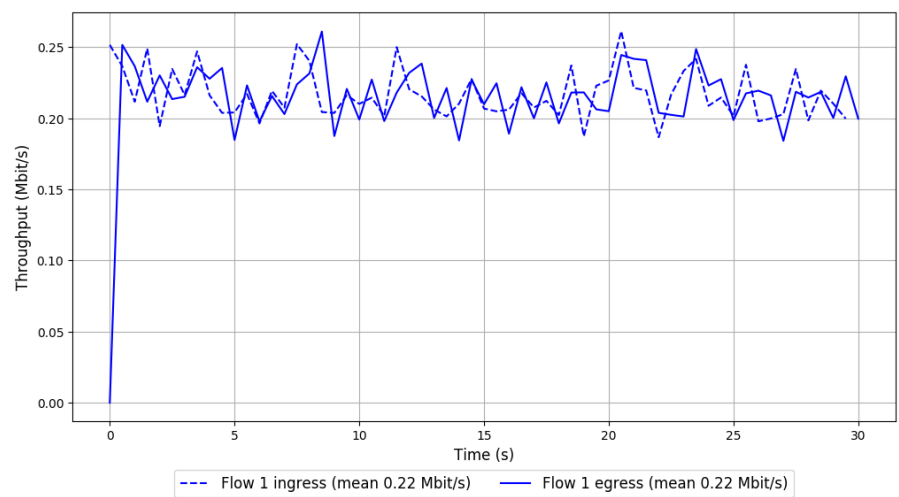
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 2.455 ms

Loss rate: 0.00%

Run 5: Report of SReAM — Data Link



Run 1: Statistics of Sprout

Start at: 2019-02-11 12:08:49

End at: 2019-02-11 12:09:19

Local clock offset: -1.145 ms

Remote clock offset: 0.551 ms

Below is generated by plot.py at 2019-02-11 14:06:20

Datalink statistics

-- Total of 1 flow:

Average throughput: 50.27 Mbit/s

95th percentile per-packet one-way delay: 11.438 ms

Loss rate: 0.00%

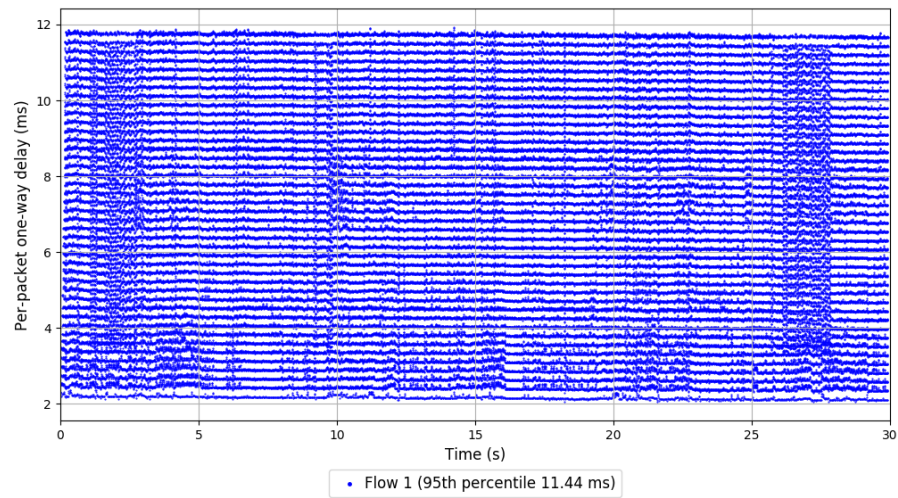
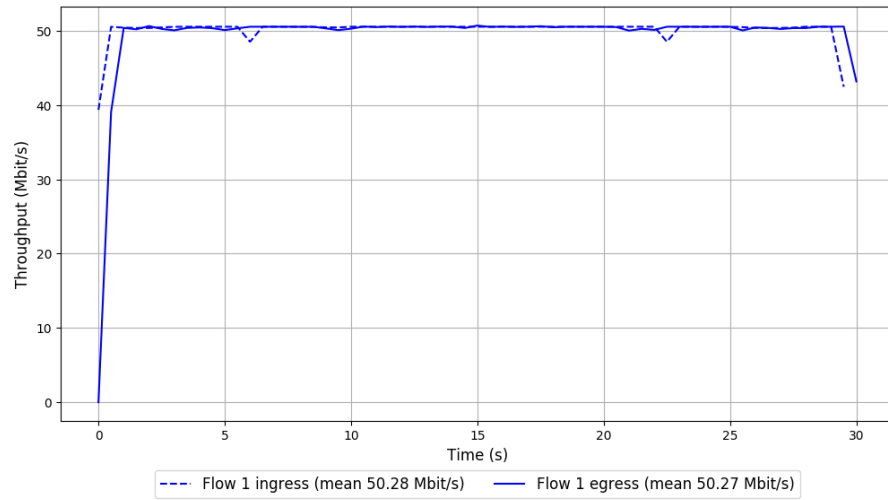
-- Flow 1:

Average throughput: 50.27 Mbit/s

95th percentile per-packet one-way delay: 11.438 ms

Loss rate: 0.00%

Run 1: Report of Sprout — Data Link



Run 2: Statistics of Sprout

Start at: 2019-02-11 12:32:16

End at: 2019-02-11 12:32:46

Local clock offset: -1.583 ms

Remote clock offset: 0.944 ms

Below is generated by plot.py at 2019-02-11 14:06:20

Datalink statistics

-- Total of 1 flow:

Average throughput: 50.32 Mbit/s

95th percentile per-packet one-way delay: 11.889 ms

Loss rate: 0.00%

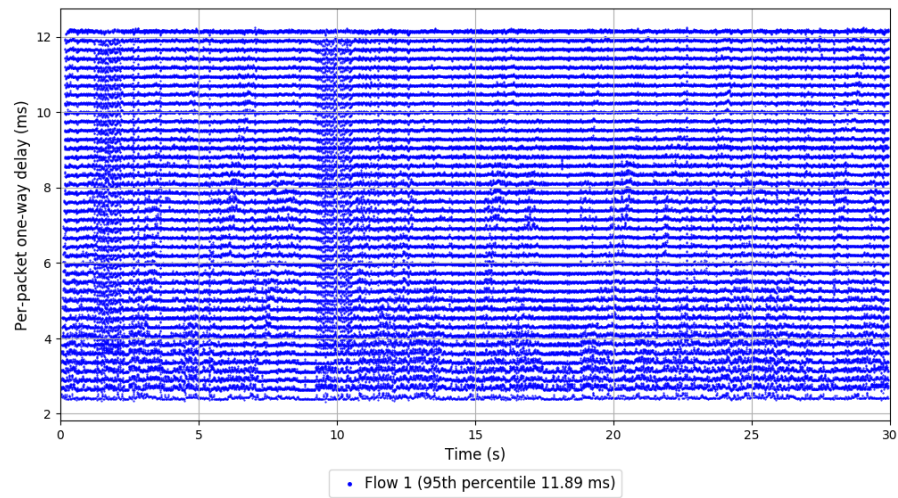
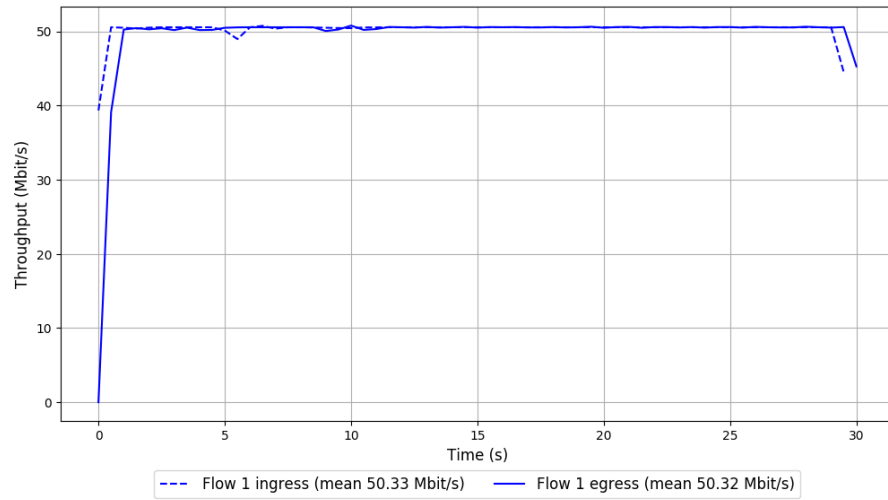
-- Flow 1:

Average throughput: 50.32 Mbit/s

95th percentile per-packet one-way delay: 11.889 ms

Loss rate: 0.00%

Run 2: Report of Sprout — Data Link

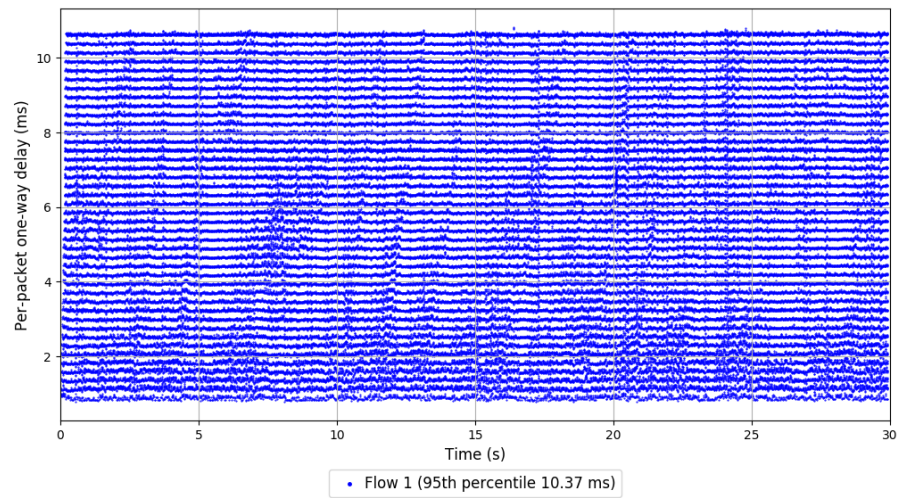
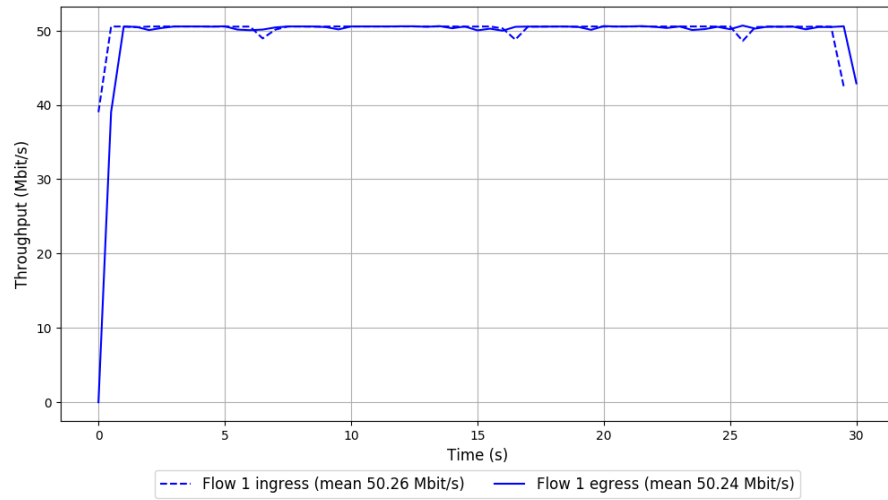


Run 3: Statistics of Sprout

Start at: 2019-02-11 12:55:43
End at: 2019-02-11 12:56:13
Local clock offset: -2.341 ms
Remote clock offset: 1.187 ms

Below is generated by plot.py at 2019-02-11 14:06:22
Datalink statistics
-- Total of 1 flow:
Average throughput: 50.24 Mbit/s
95th percentile per-packet one-way delay: 10.367 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 50.24 Mbit/s
95th percentile per-packet one-way delay: 10.367 ms
Loss rate: 0.00%

Run 3: Report of Sprout — Data Link



Run 4: Statistics of Sprout

Start at: 2019-02-11 13:19:08

End at: 2019-02-11 13:19:38

Local clock offset: -3.756 ms

Remote clock offset: 1.314 ms

Below is generated by plot.py at 2019-02-11 14:06:37

Datalink statistics

-- Total of 1 flow:

Average throughput: 50.30 Mbit/s

95th percentile per-packet one-way delay: 10.186 ms

Loss rate: 0.00%

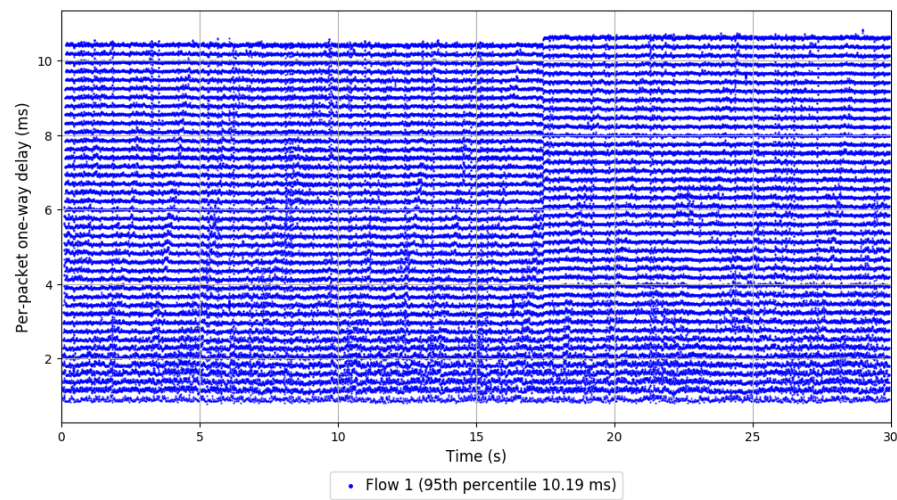
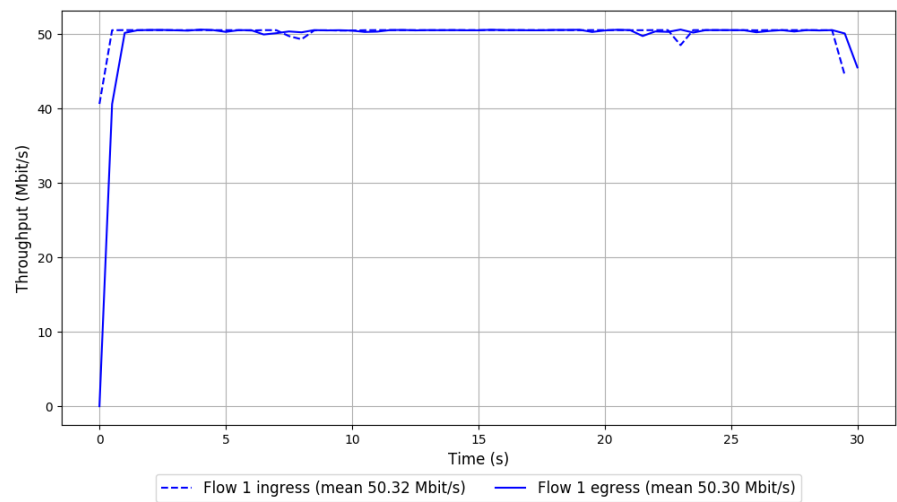
-- Flow 1:

Average throughput: 50.30 Mbit/s

95th percentile per-packet one-way delay: 10.186 ms

Loss rate: 0.00%

Run 4: Report of Sprout — Data Link



Run 5: Statistics of Sprout

Start at: 2019-02-11 13:42:32

End at: 2019-02-11 13:43:02

Local clock offset: -4.155 ms

Remote clock offset: 1.177 ms

Below is generated by plot.py at 2019-02-11 14:06:39

Datalink statistics

-- Total of 1 flow:

Average throughput: 50.31 Mbit/s

95th percentile per-packet one-way delay: 12.593 ms

Loss rate: 0.00%

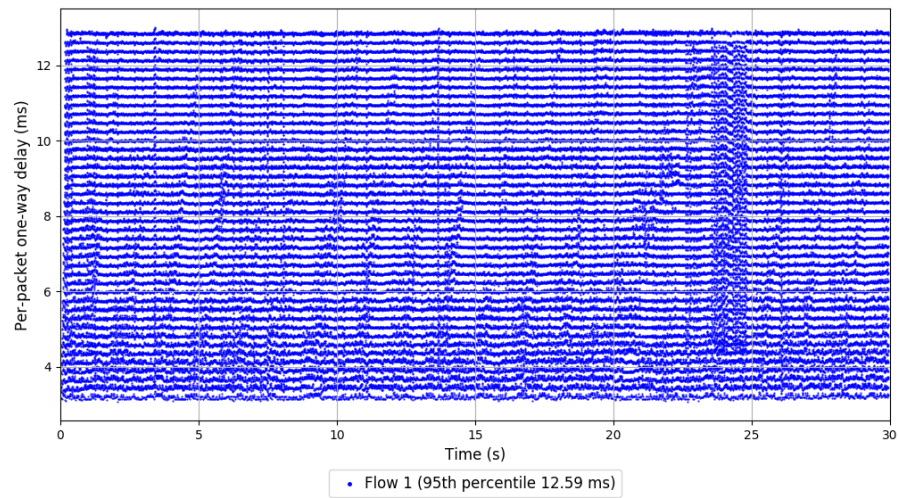
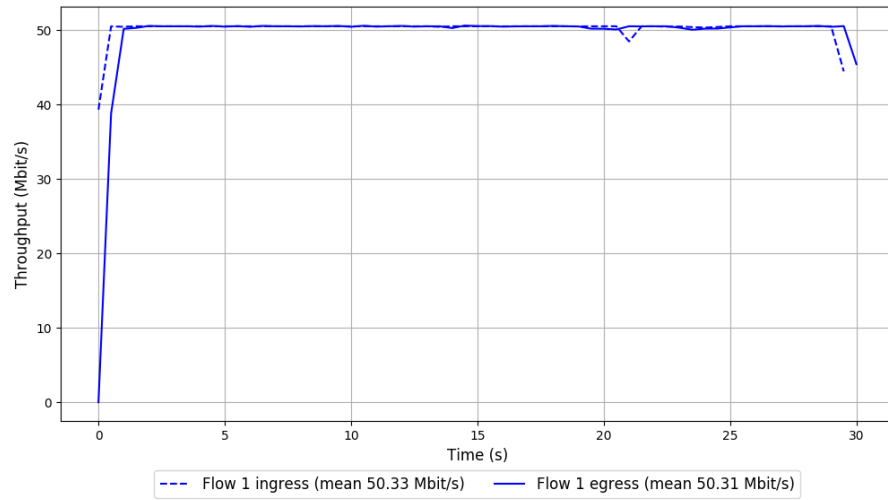
-- Flow 1:

Average throughput: 50.31 Mbit/s

95th percentile per-packet one-way delay: 12.593 ms

Loss rate: 0.00%

Run 5: Report of Sprout — Data Link



Run 1: Statistics of TaoVA-100x

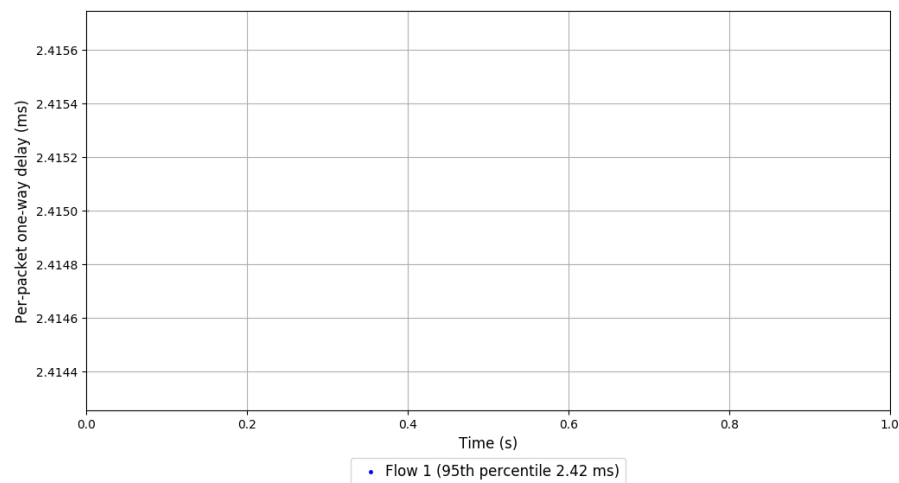
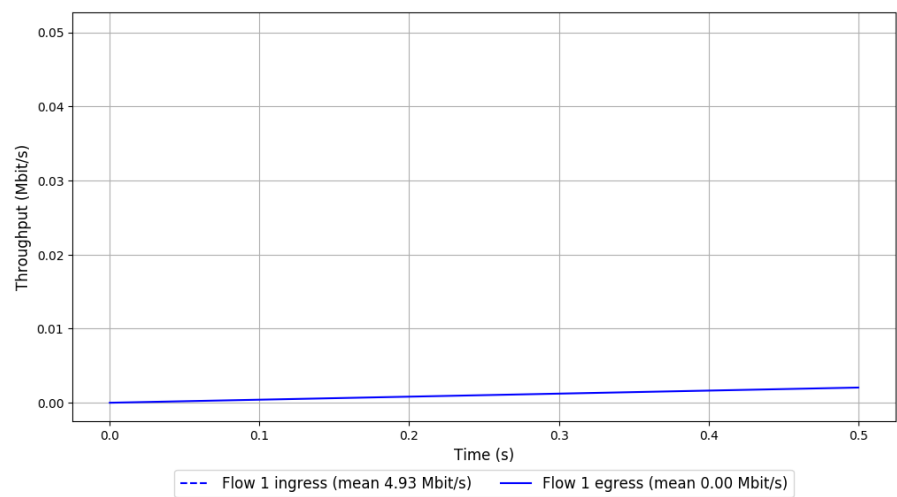
Start at: 2019-02-11 12:12:13

End at: 2019-02-11 12:12:43

Local clock offset: -1.752 ms

Remote clock offset: 0.613 ms

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



Run 2: Statistics of TaoVA-100x

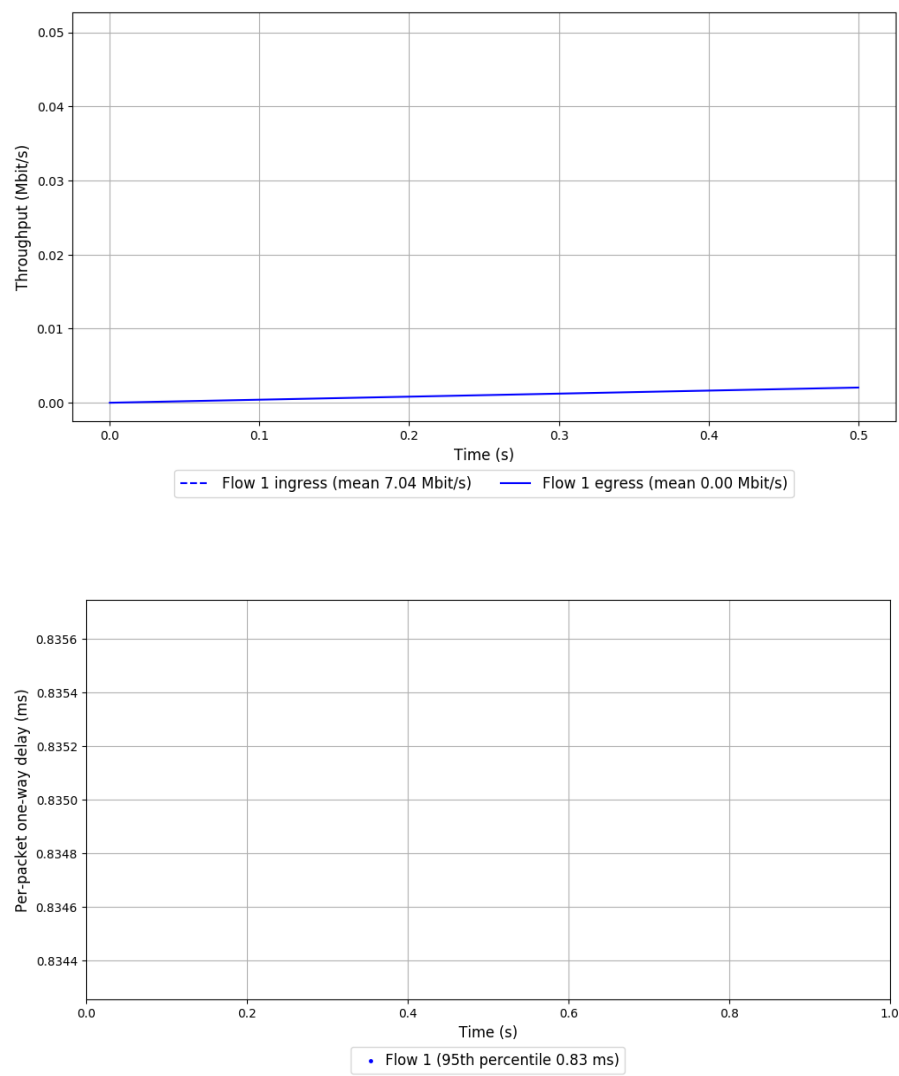
Start at: 2019-02-11 12:35:38

End at: 2019-02-11 12:36:08

Local clock offset: -1.694 ms

Remote clock offset: 0.949 ms

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



Run 3: Statistics of TaoVA-100x

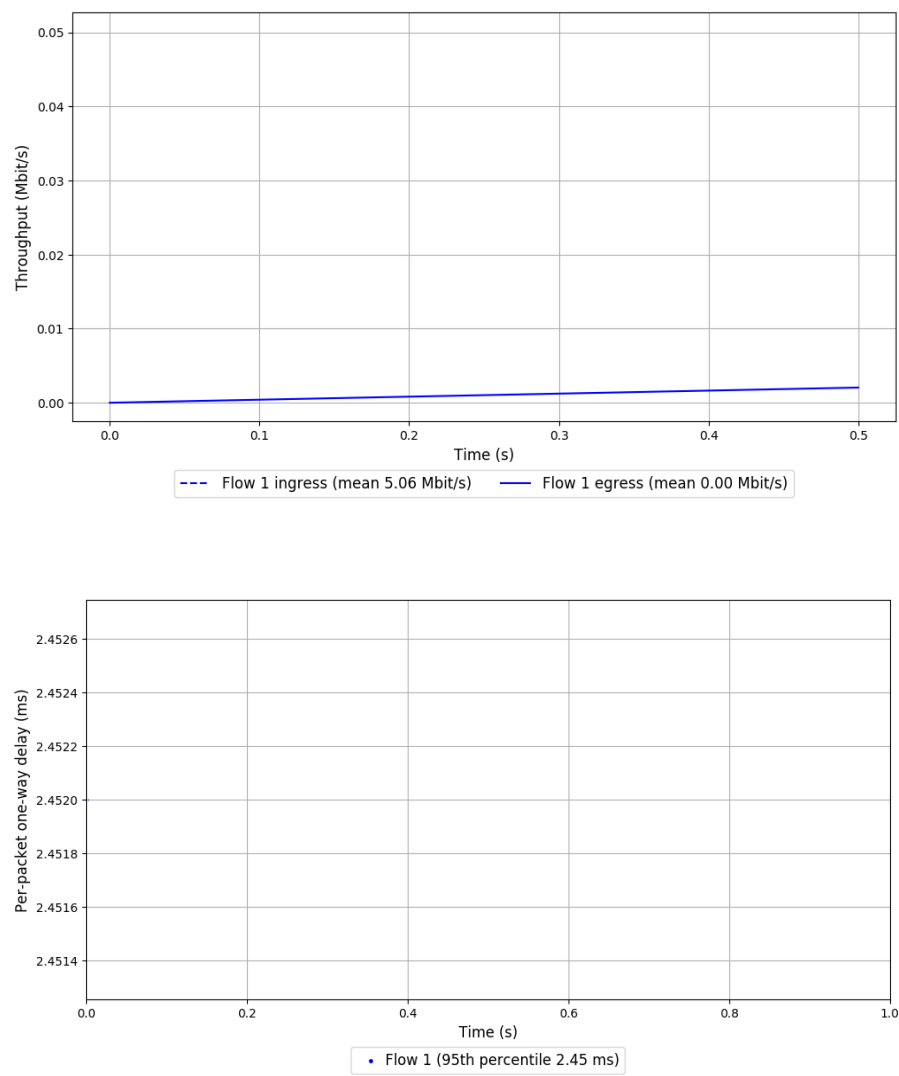
Start at: 2019-02-11 12:59:04

End at: 2019-02-11 12:59:34

Local clock offset: -2.207 ms

Remote clock offset: 1.252 ms

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



Run 4: Statistics of TaoVA-100x

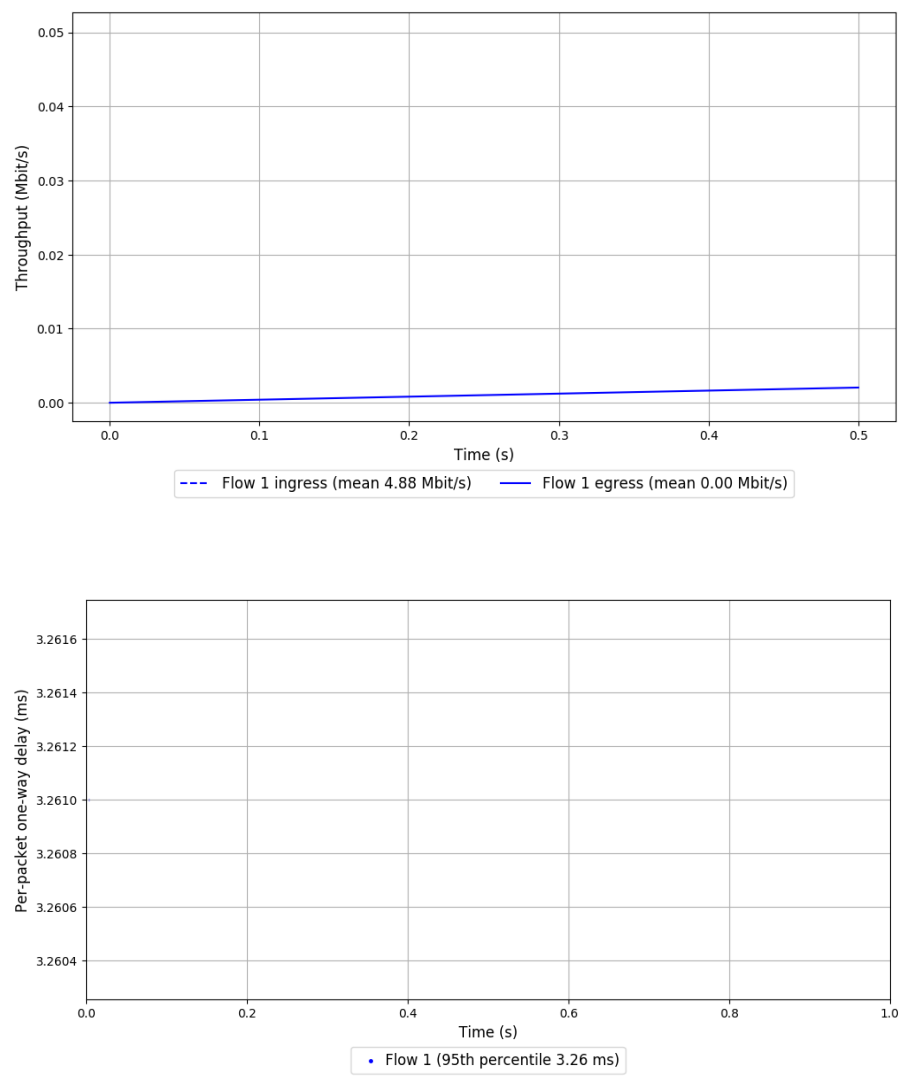
Start at: 2019-02-11 13:22:29

End at: 2019-02-11 13:22:59

Local clock offset: -4.587 ms

Remote clock offset: 1.301 ms

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



Run 5: Statistics of TaoVA-100x

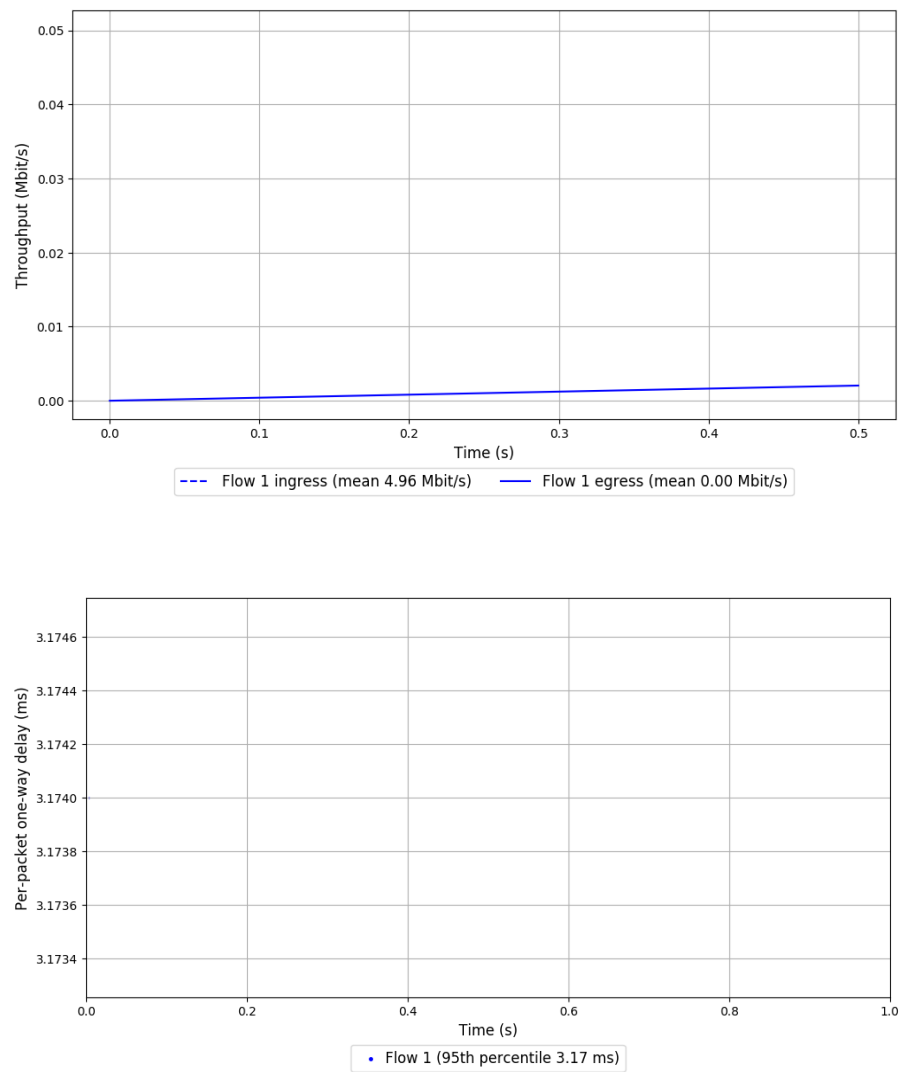
Start at: 2019-02-11 13:45:54

End at: 2019-02-11 13:46:24

Local clock offset: -3.951 ms

Remote clock offset: 1.151 ms

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



Run 1: Statistics of TCP Vegas

Start at: 2019-02-11 12:07:41

End at: 2019-02-11 12:08:11

Local clock offset: -1.632 ms

Remote clock offset: 0.531 ms

Below is generated by plot.py at 2019-02-11 14:07:23

Datalink statistics

-- Total of 1 flow:

Average throughput: 97.37 Mbit/s

95th percentile per-packet one-way delay: 2.919 ms

Loss rate: 0.00%

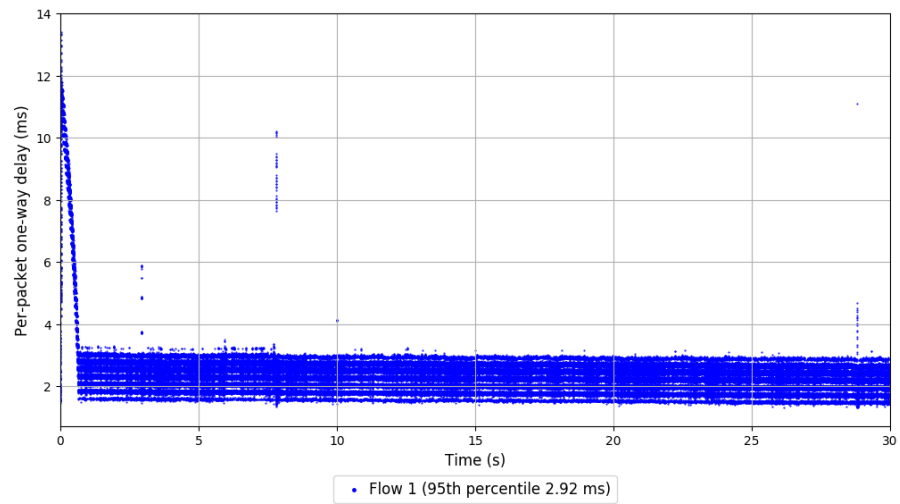
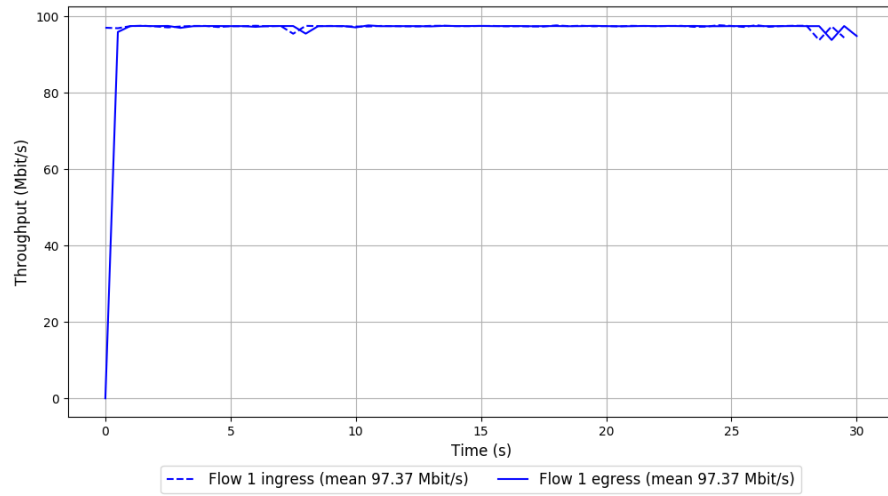
-- Flow 1:

Average throughput: 97.37 Mbit/s

95th percentile per-packet one-way delay: 2.919 ms

Loss rate: 0.00%

Run 1: Report of TCP Vegas — Data Link



Run 2: Statistics of TCP Vegas

Start at: 2019-02-11 12:31:08

End at: 2019-02-11 12:31:38

Local clock offset: -1.751 ms

Remote clock offset: 0.922 ms

Below is generated by plot.py at 2019-02-11 14:07:23

Datalink statistics

-- Total of 1 flow:

Average throughput: 96.98 Mbit/s

95th percentile per-packet one-way delay: 2.530 ms

Loss rate: 0.00%

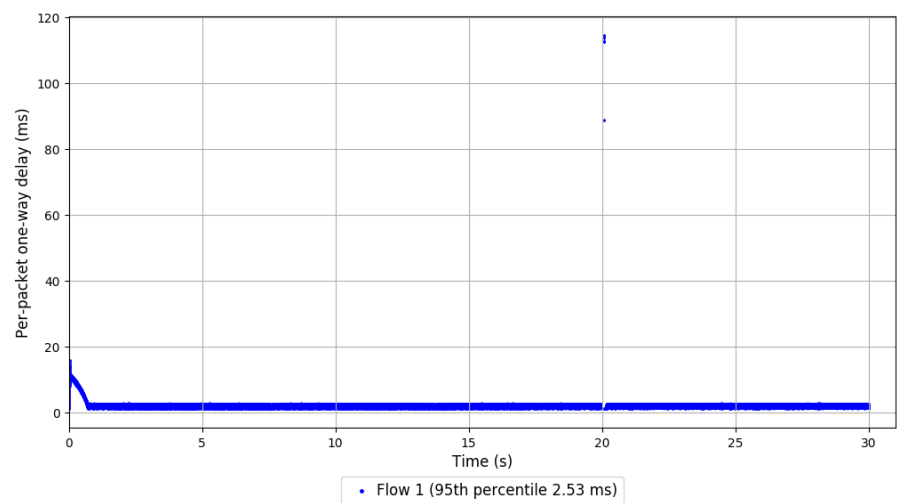
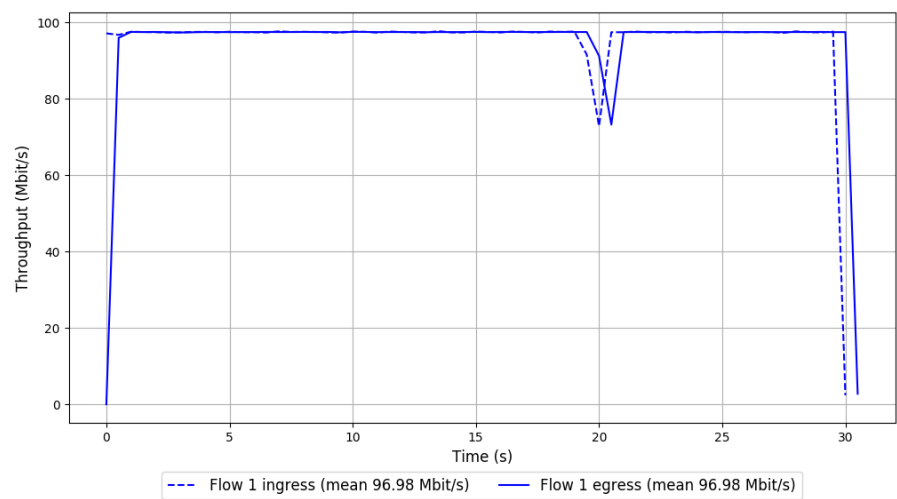
-- Flow 1:

Average throughput: 96.98 Mbit/s

95th percentile per-packet one-way delay: 2.530 ms

Loss rate: 0.00%

Run 2: Report of TCP Vegas — Data Link

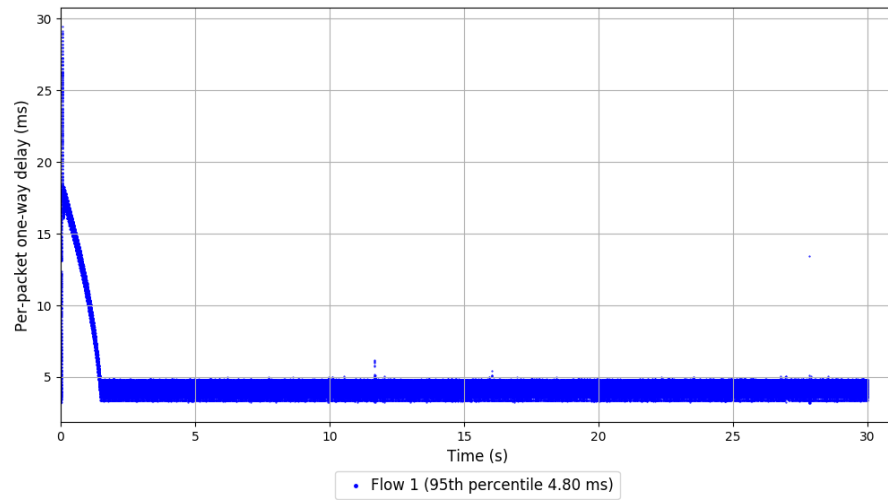
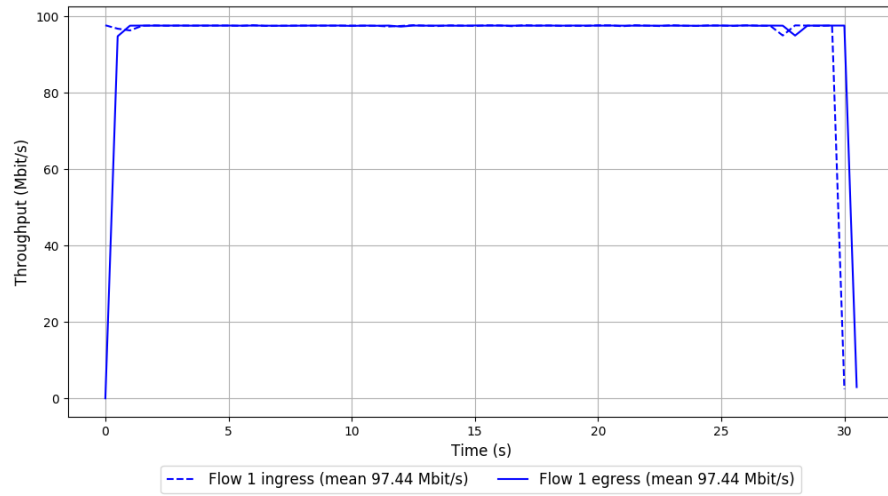


Run 3: Statistics of TCP Vegas

Start at: 2019-02-11 12:54:35
End at: 2019-02-11 12:55:05
Local clock offset: -3.211 ms
Remote clock offset: 1.234 ms

Below is generated by plot.py at 2019-02-11 14:07:24
Datalink statistics
-- Total of 1 flow:
Average throughput: 97.44 Mbit/s
95th percentile per-packet one-way delay: 4.802 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 97.44 Mbit/s
95th percentile per-packet one-way delay: 4.802 ms
Loss rate: 0.00%

Run 3: Report of TCP Vegas — Data Link



Run 4: Statistics of TCP Vegas

Start at: 2019-02-11 13:17:59

End at: 2019-02-11 13:18:29

Local clock offset: -4.475 ms

Remote clock offset: 1.283 ms

Below is generated by plot.py at 2019-02-11 14:07:26

Datalink statistics

-- Total of 1 flow:

Average throughput: 96.81 Mbit/s

95th percentile per-packet one-way delay: 2.965 ms

Loss rate: 0.00%

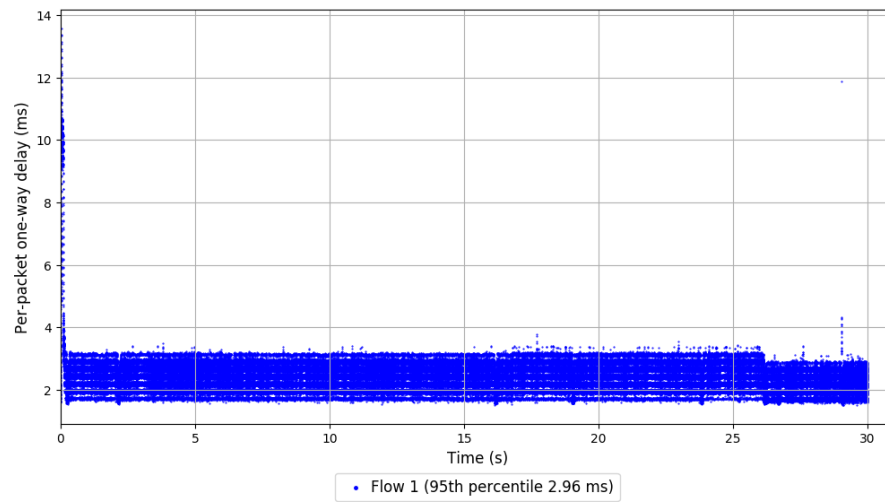
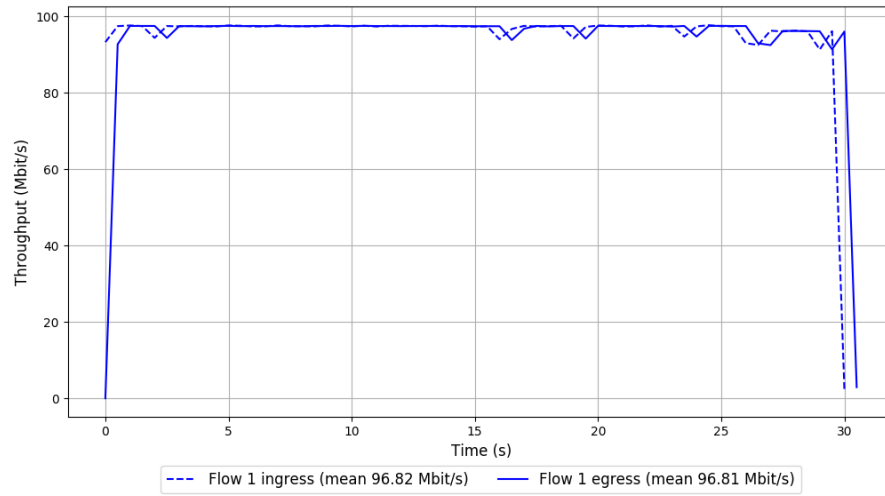
-- Flow 1:

Average throughput: 96.81 Mbit/s

95th percentile per-packet one-way delay: 2.965 ms

Loss rate: 0.00%

Run 4: Report of TCP Vegas — Data Link



Run 5: Statistics of TCP Vegas

Start at: 2019-02-11 13:41:24

End at: 2019-02-11 13:41:54

Local clock offset: -3.45 ms

Remote clock offset: 1.144 ms

Below is generated by plot.py at 2019-02-11 14:07:28

Datalink statistics

-- Total of 1 flow:

Average throughput: 97.42 Mbit/s

95th percentile per-packet one-way delay: 3.912 ms

Loss rate: 0.00%

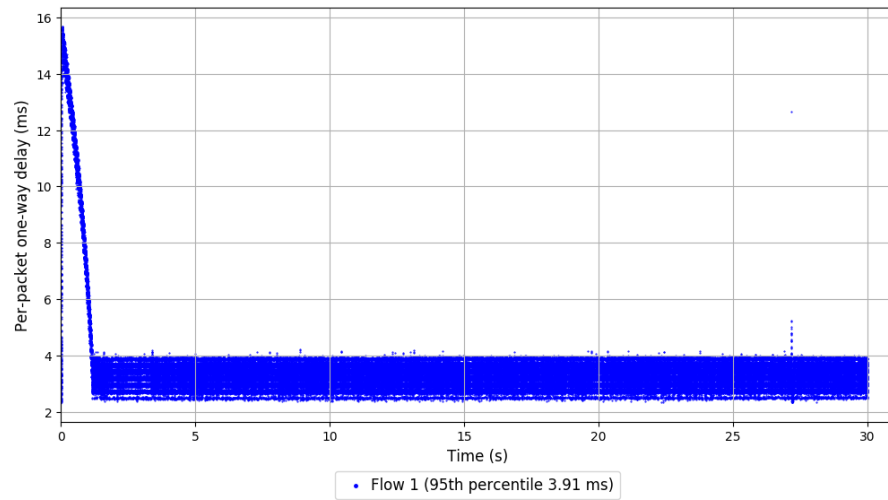
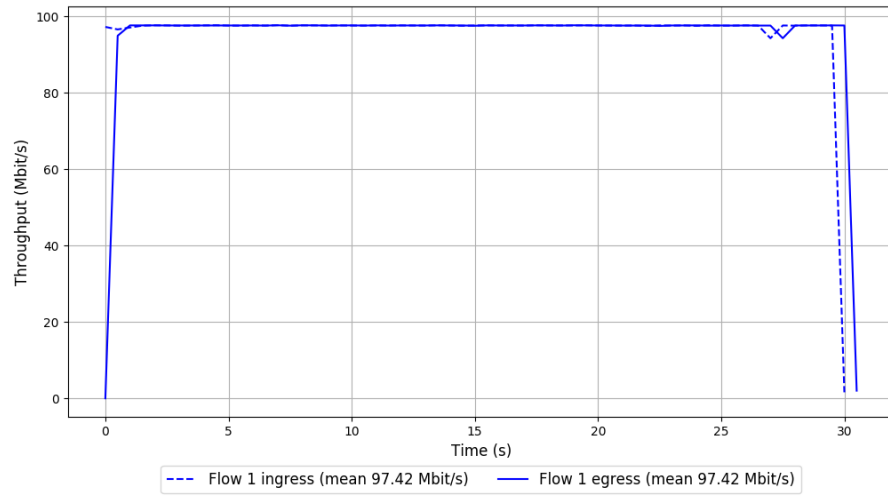
-- Flow 1:

Average throughput: 97.42 Mbit/s

95th percentile per-packet one-way delay: 3.912 ms

Loss rate: 0.00%

Run 5: Report of TCP Vegas — Data Link



Run 1: Statistics of Verus

Start at: 2019-02-11 12:11:04

End at: 2019-02-11 12:11:34

Local clock offset: -1.569 ms

Remote clock offset: 0.617 ms

Below is generated by plot.py at 2019-02-11 14:07:28

Datalink statistics

-- Total of 1 flow:

Average throughput: 74.06 Mbit/s

95th percentile per-packet one-way delay: 8.904 ms

Loss rate: 0.92%

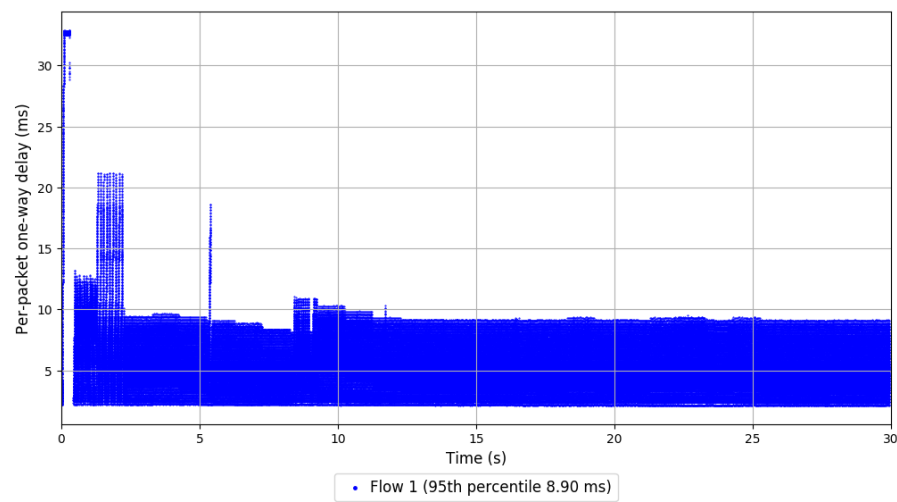
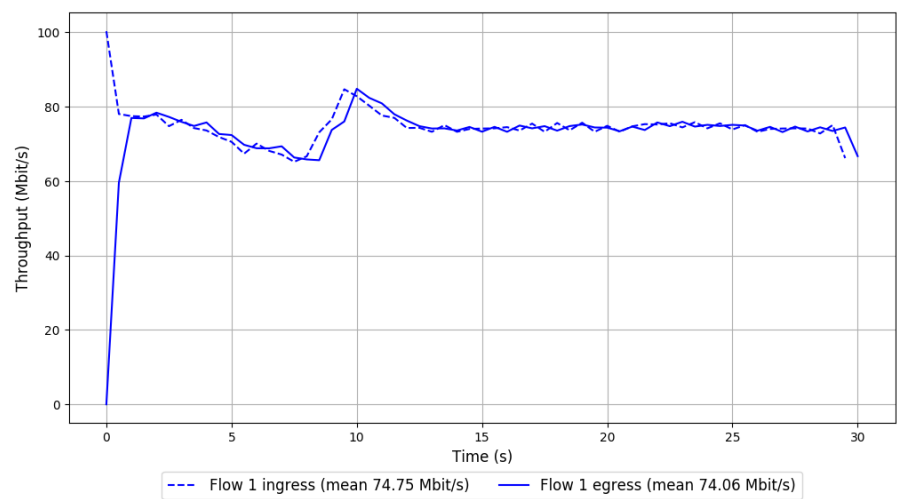
-- Flow 1:

Average throughput: 74.06 Mbit/s

95th percentile per-packet one-way delay: 8.904 ms

Loss rate: 0.92%

Run 1: Report of Verus — Data Link



Run 2: Statistics of Verus

Start at: 2019-02-11 12:34:31

End at: 2019-02-11 12:35:01

Local clock offset: -2.218 ms

Remote clock offset: 0.905 ms

Below is generated by plot.py at 2019-02-11 14:07:28

Datalink statistics

-- Total of 1 flow:

Average throughput: 56.88 Mbit/s

95th percentile per-packet one-way delay: 5.765 ms

Loss rate: 1.18%

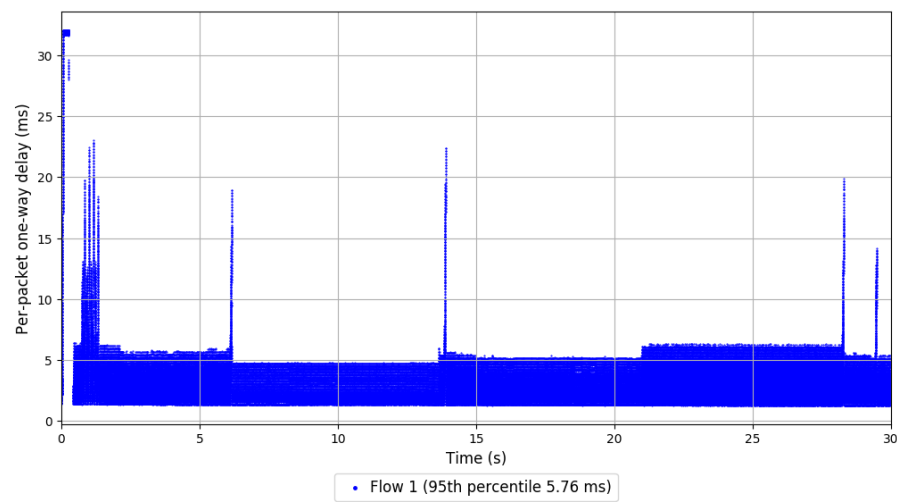
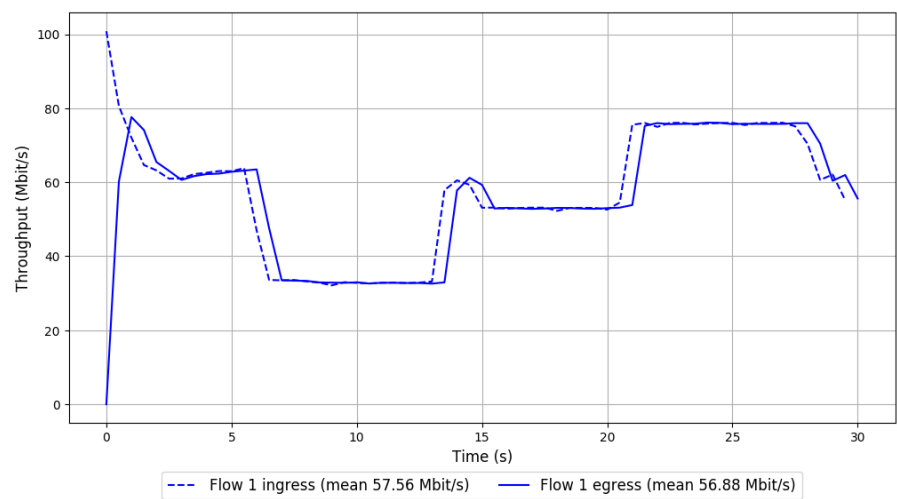
-- Flow 1:

Average throughput: 56.88 Mbit/s

95th percentile per-packet one-way delay: 5.765 ms

Loss rate: 1.18%

Run 2: Report of Verus — Data Link



Run 3: Statistics of Verus

Start at: 2019-02-11 12:57:58

End at: 2019-02-11 12:58:28

Local clock offset: -2.341 ms

Remote clock offset: 1.261 ms

Below is generated by plot.py at 2019-02-11 14:07:28

Datalink statistics

-- Total of 1 flow:

Average throughput: 36.57 Mbit/s

95th percentile per-packet one-way delay: 5.250 ms

Loss rate: 1.81%

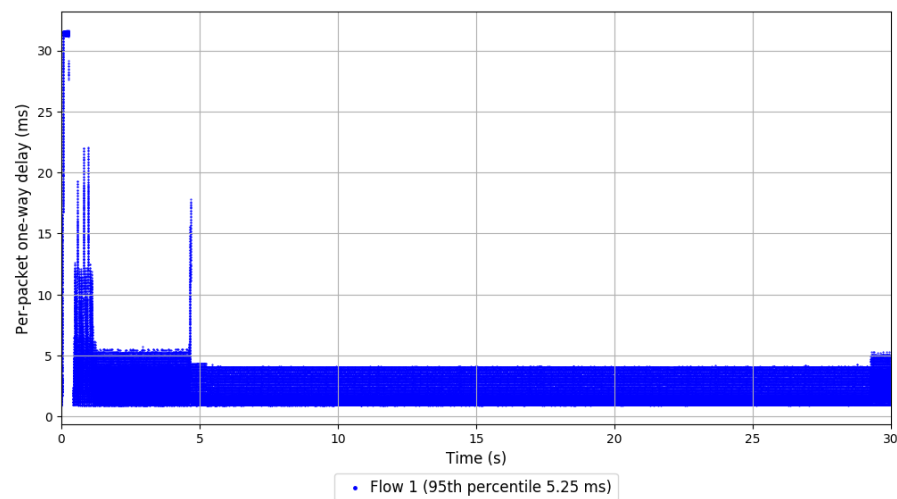
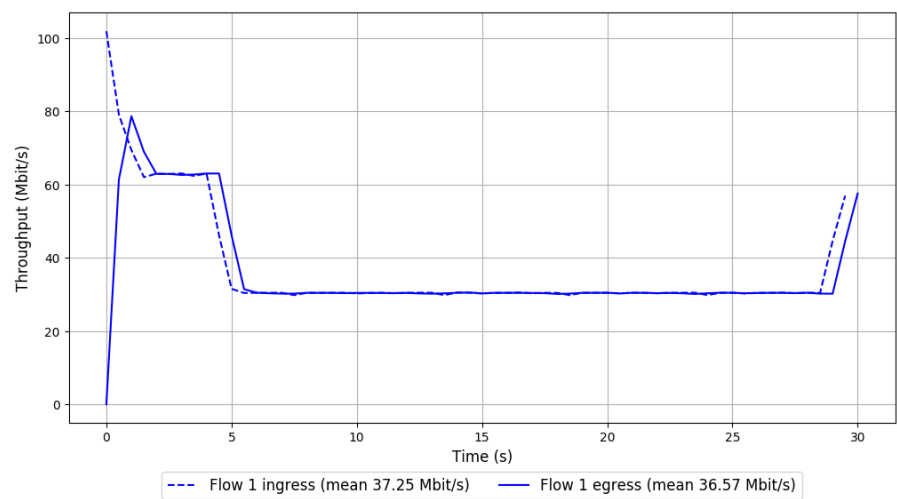
-- Flow 1:

Average throughput: 36.57 Mbit/s

95th percentile per-packet one-way delay: 5.250 ms

Loss rate: 1.81%

Run 3: Report of Verus — Data Link



Run 4: Statistics of Verus

Start at: 2019-02-11 13:21:23

End at: 2019-02-11 13:21:53

Local clock offset: -3.836 ms

Remote clock offset: 1.274 ms

Below is generated by plot.py at 2019-02-11 14:07:39

Datalink statistics

-- Total of 1 flow:

Average throughput: 38.72 Mbit/s

95th percentile per-packet one-way delay: 9.301 ms

Loss rate: 1.72%

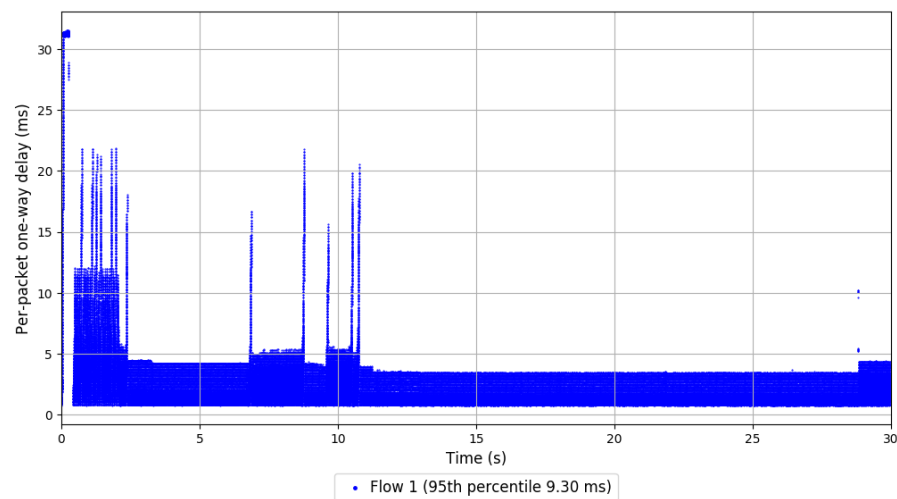
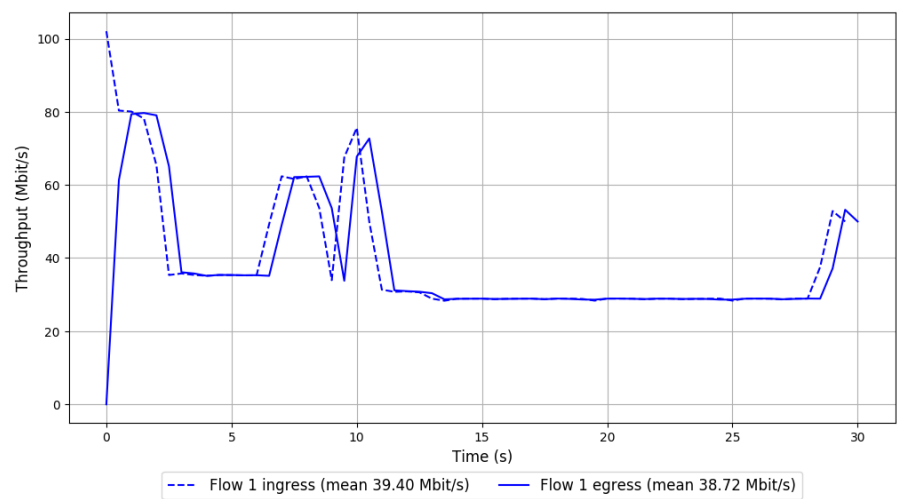
-- Flow 1:

Average throughput: 38.72 Mbit/s

95th percentile per-packet one-way delay: 9.301 ms

Loss rate: 1.72%

Run 4: Report of Verus — Data Link



Run 5: Statistics of Verus

Start at: 2019-02-11 13:44:48

End at: 2019-02-11 13:45:18

Local clock offset: -3.256 ms

Remote clock offset: 1.172 ms

Below is generated by plot.py at 2019-02-11 14:07:42

Datalink statistics

-- Total of 1 flow:

Average throughput: 40.14 Mbit/s

95th percentile per-packet one-way delay: 5.901 ms

Loss rate: 1.66%

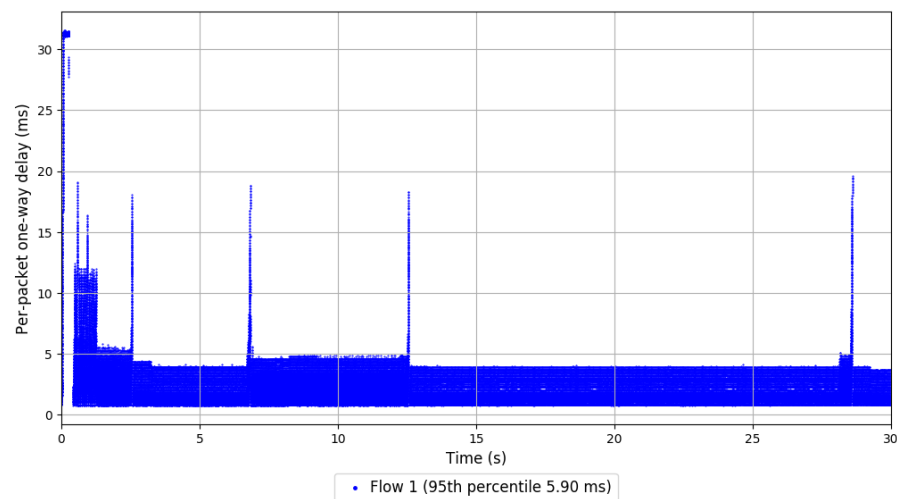
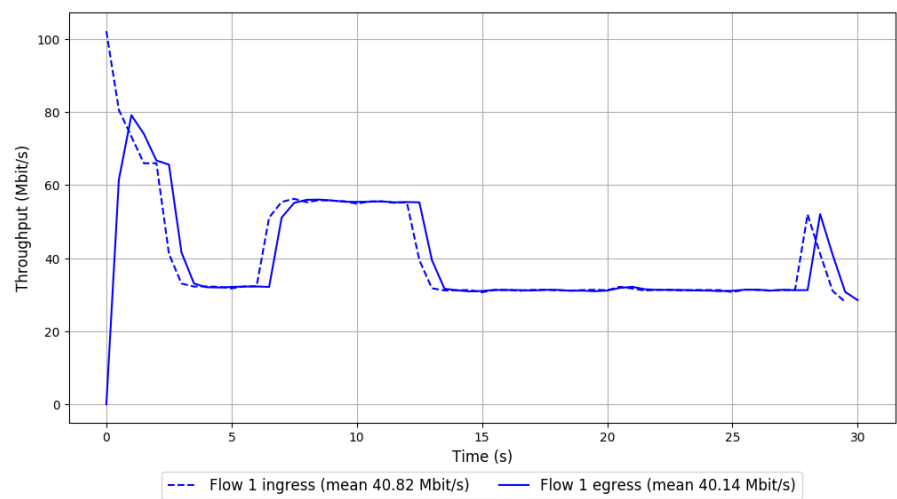
-- Flow 1:

Average throughput: 40.14 Mbit/s

95th percentile per-packet one-way delay: 5.901 ms

Loss rate: 1.66%

Run 5: Report of Verus — Data Link



Run 1: Statistics of PCC-Vivace

Start at: 2019-02-11 12:03:11

End at: 2019-02-11 12:03:41

Local clock offset: -0.637 ms

Remote clock offset: 0.471 ms

Below is generated by plot.py at 2019-02-11 14:08:13

Datalink statistics

-- Total of 1 flow:

Average throughput: 88.69 Mbit/s

95th percentile per-packet one-way delay: 3.309 ms

Loss rate: 0.01%

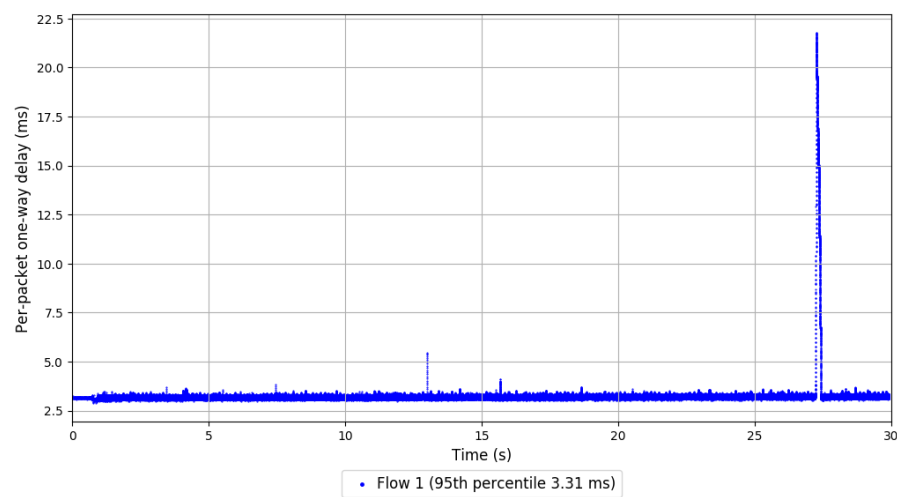
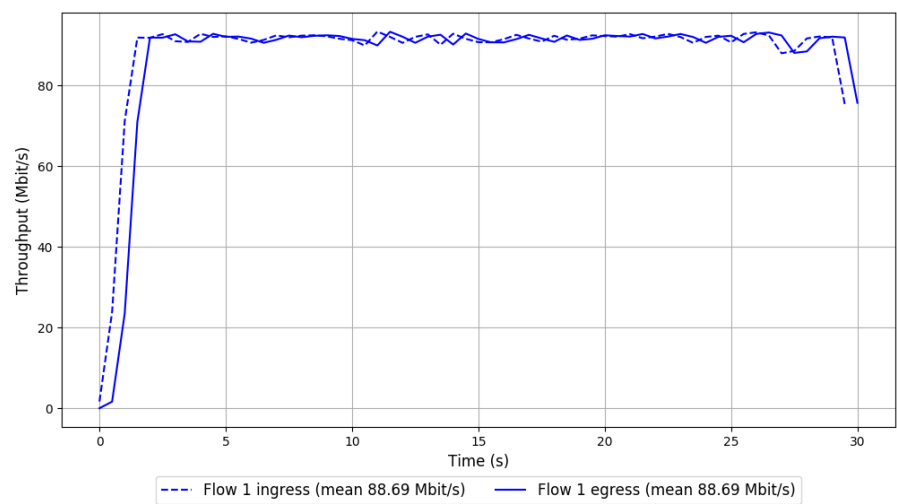
-- Flow 1:

Average throughput: 88.69 Mbit/s

95th percentile per-packet one-way delay: 3.309 ms

Loss rate: 0.01%

Run 1: Report of PCC-Vivace — Data Link



Run 2: Statistics of PCC-Vivace

Start at: 2019-02-11 12:26:37

End at: 2019-02-11 12:27:08

Local clock offset: -2.014 ms

Remote clock offset: 0.754 ms

Below is generated by plot.py at 2019-02-11 14:08:13

Datalink statistics

-- Total of 1 flow:

Average throughput: 89.19 Mbit/s

95th percentile per-packet one-way delay: 2.580 ms

Loss rate: 0.00%

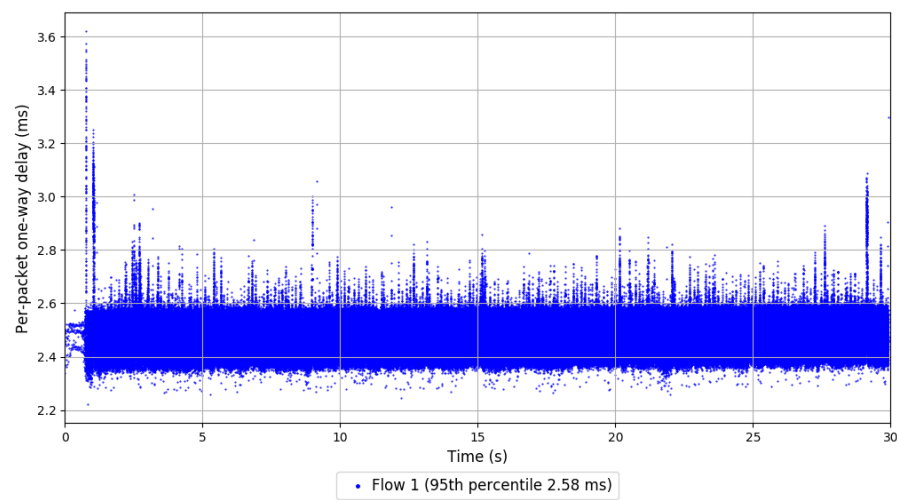
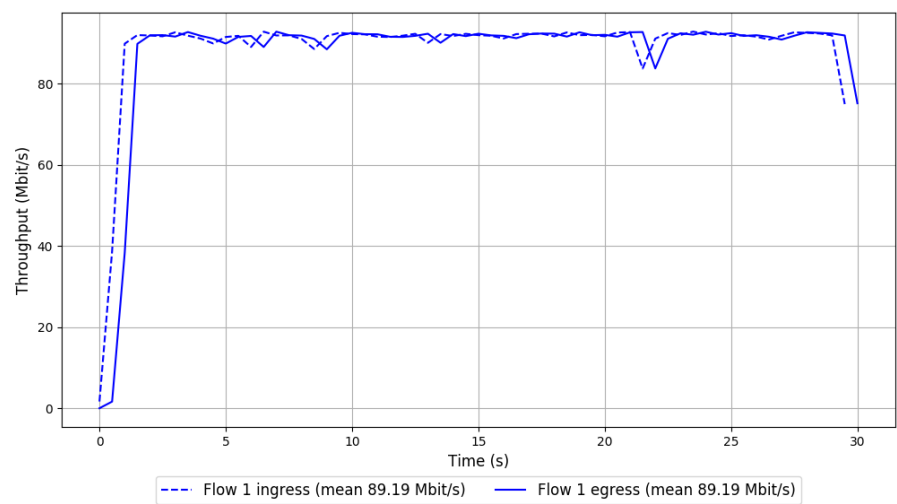
-- Flow 1:

Average throughput: 89.19 Mbit/s

95th percentile per-packet one-way delay: 2.580 ms

Loss rate: 0.00%

Run 2: Report of PCC-Vivace — Data Link



Run 3: Statistics of PCC-Vivace

Start at: 2019-02-11 12:50:05

End at: 2019-02-11 12:50:35

Local clock offset: -3.273 ms

Remote clock offset: 1.135 ms

Below is generated by plot.py at 2019-02-11 14:08:13

Datalink statistics

-- Total of 1 flow:

Average throughput: 89.33 Mbit/s

95th percentile per-packet one-way delay: 3.236 ms

Loss rate: 0.00%

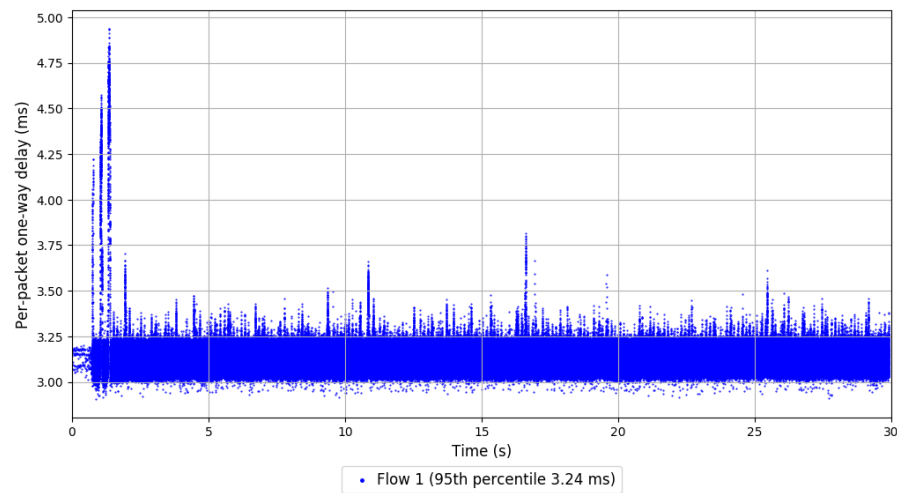
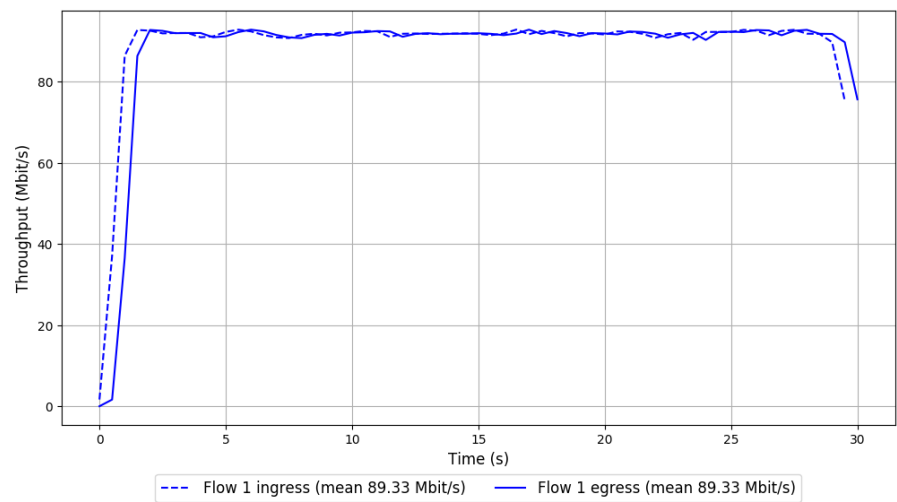
-- Flow 1:

Average throughput: 89.33 Mbit/s

95th percentile per-packet one-way delay: 3.236 ms

Loss rate: 0.00%

Run 3: Report of PCC-Vivace — Data Link



Run 4: Statistics of PCC-Vivace

Start at: 2019-02-11 13:13:30

End at: 2019-02-11 13:14:00

Local clock offset: -3.455 ms

Remote clock offset: 1.25 ms

Below is generated by plot.py at 2019-02-11 14:08:13

Datalink statistics

-- Total of 1 flow:

Average throughput: 83.78 Mbit/s

95th percentile per-packet one-way delay: 1.005 ms

Loss rate: 0.00%

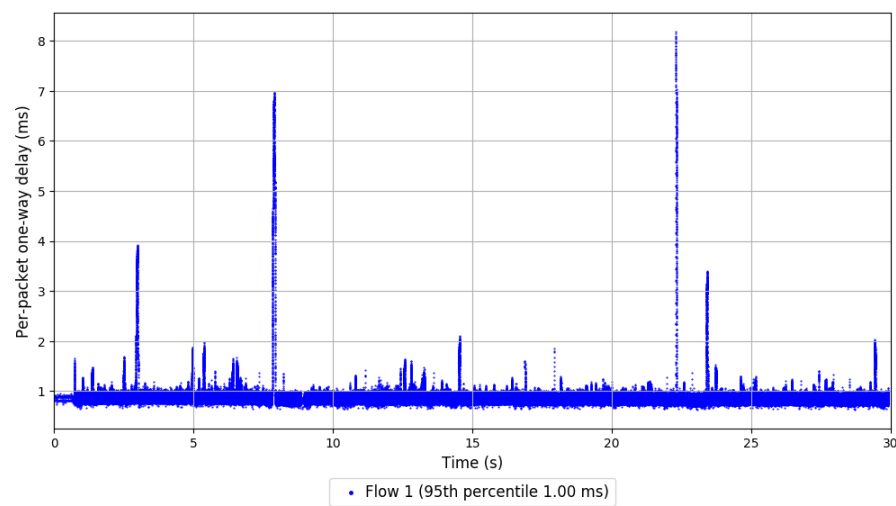
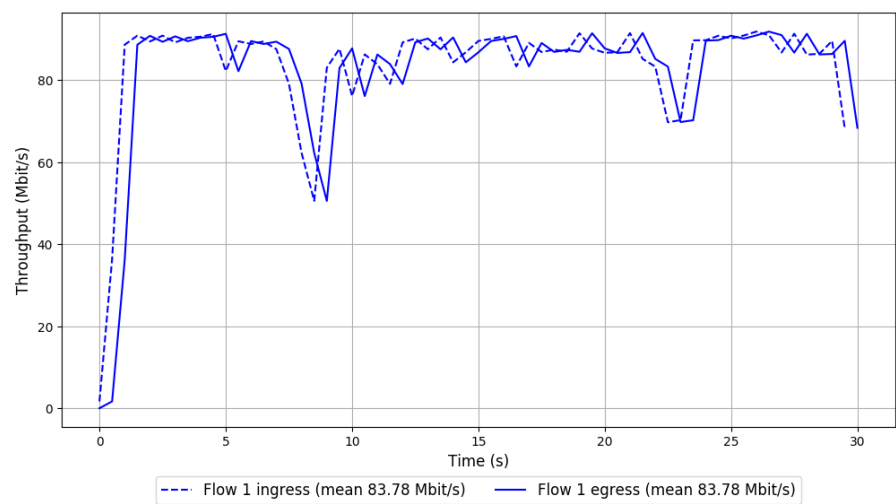
-- Flow 1:

Average throughput: 83.78 Mbit/s

95th percentile per-packet one-way delay: 1.005 ms

Loss rate: 0.00%

Run 4: Report of PCC-Vivace — Data Link



Run 5: Statistics of PCC-Vivace

Start at: 2019-02-11 13:36:54

End at: 2019-02-11 13:37:24

Local clock offset: -4.395 ms

Remote clock offset: 1.258 ms

Below is generated by plot.py at 2019-02-11 14:08:13

Datalink statistics

-- Total of 1 flow:

Average throughput: 89.18 Mbit/s

95th percentile per-packet one-way delay: 3.324 ms

Loss rate: 0.01%

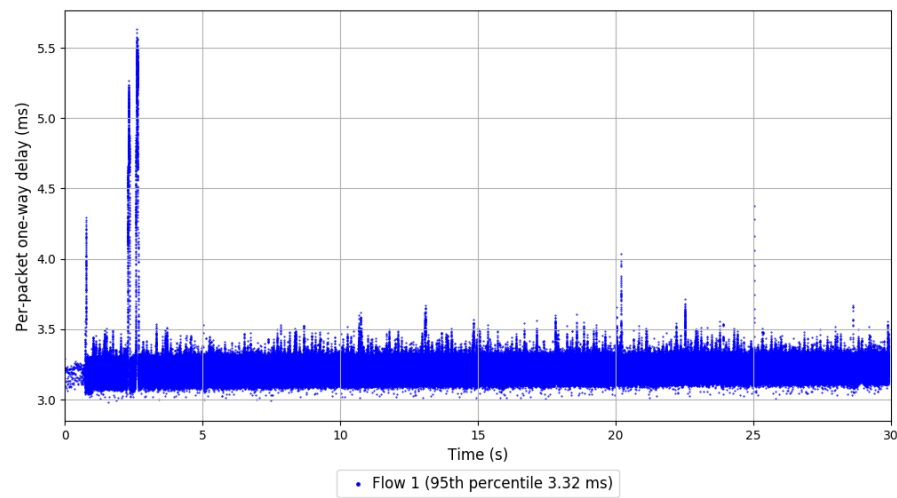
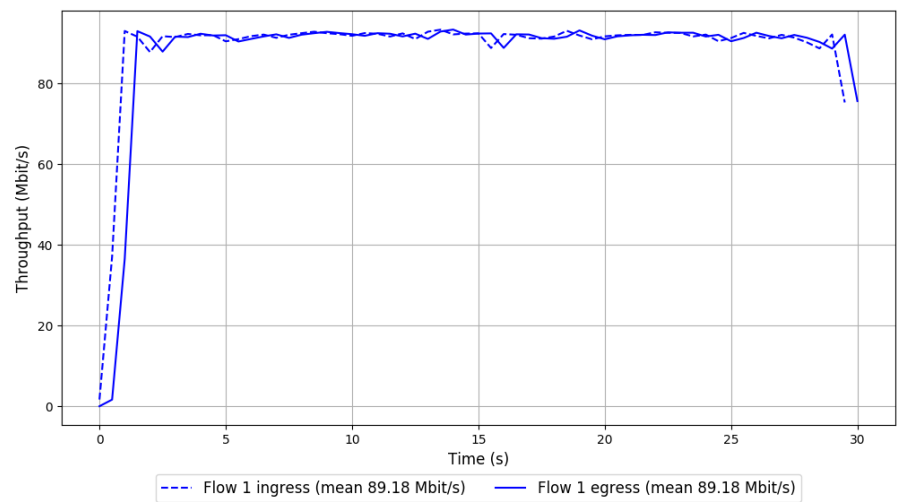
-- Flow 1:

Average throughput: 89.18 Mbit/s

95th percentile per-packet one-way delay: 3.324 ms

Loss rate: 0.01%

Run 5: Report of PCC-Vivace — Data Link



Run 1: Statistics of WebRTC media

Start at: 2019-02-11 12:15:30

End at: 2019-02-11 12:16:00

Local clock offset: -2.795 ms

Remote clock offset: 0.553 ms

Below is generated by plot.py at 2019-02-11 14:08:13

Datalink statistics

-- Total of 1 flow:

Average throughput: 2.05 Mbit/s

95th percentile per-packet one-way delay: 2.029 ms

Loss rate: 0.00%

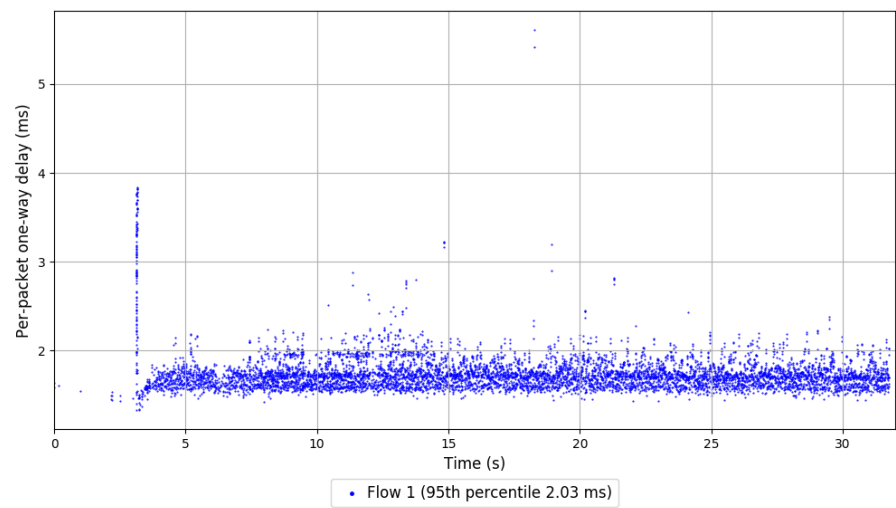
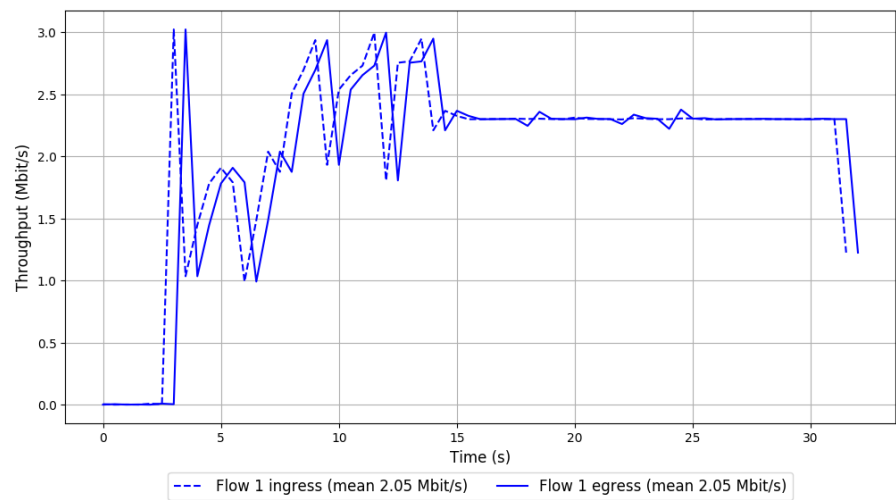
-- Flow 1:

Average throughput: 2.05 Mbit/s

95th percentile per-packet one-way delay: 2.029 ms

Loss rate: 0.00%

Run 1: Report of WebRTC media — Data Link



Run 2: Statistics of WebRTC media

Start at: 2019-02-11 12:38:56

End at: 2019-02-11 12:39:26

Local clock offset: -2.956 ms

Remote clock offset: 0.979 ms

Below is generated by plot.py at 2019-02-11 14:08:13

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.05 Mbit/s

95th percentile per-packet one-way delay: 4.618 ms

Loss rate: 0.00%

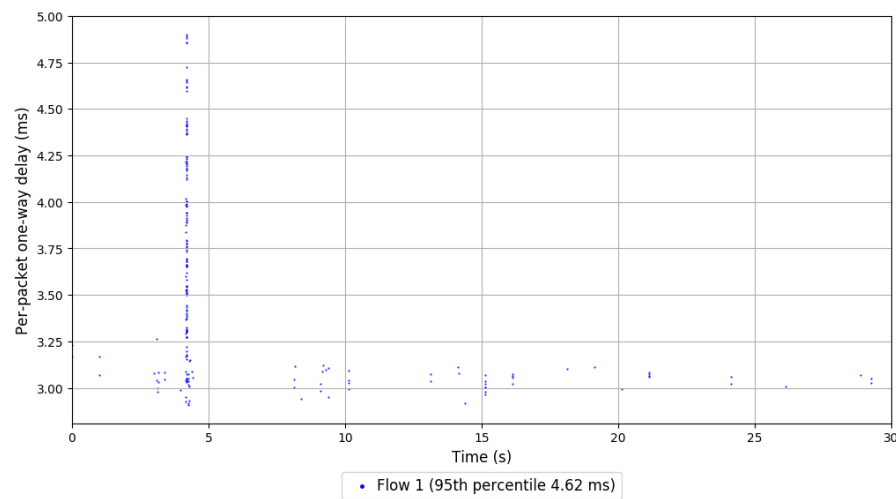
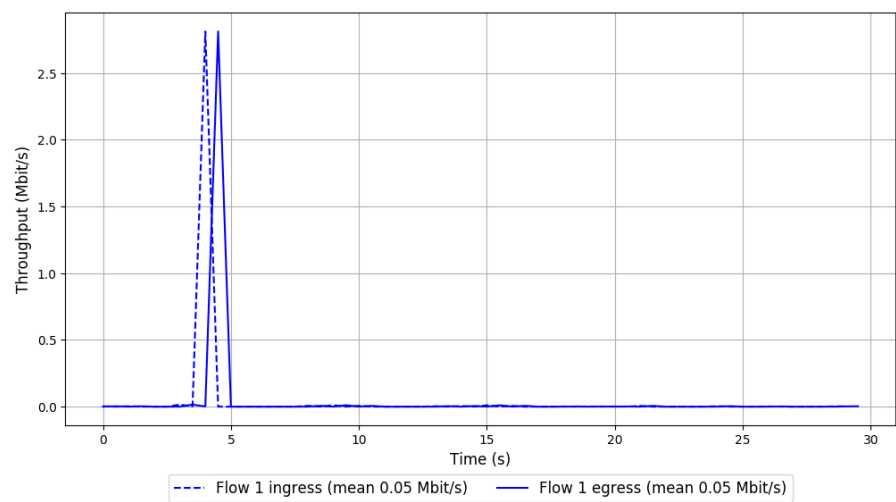
-- Flow 1:

Average throughput: 0.05 Mbit/s

95th percentile per-packet one-way delay: 4.618 ms

Loss rate: 0.00%

Run 2: Report of WebRTC media — Data Link



Run 3: Statistics of WebRTC media

Start at: 2019-02-11 13:02:22

End at: 2019-02-11 13:02:52

Local clock offset: -2.895 ms

Remote clock offset: 1.274 ms

Below is generated by plot.py at 2019-02-11 14:08:13

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.05 Mbit/s

95th percentile per-packet one-way delay: 4.557 ms

Loss rate: 0.00%

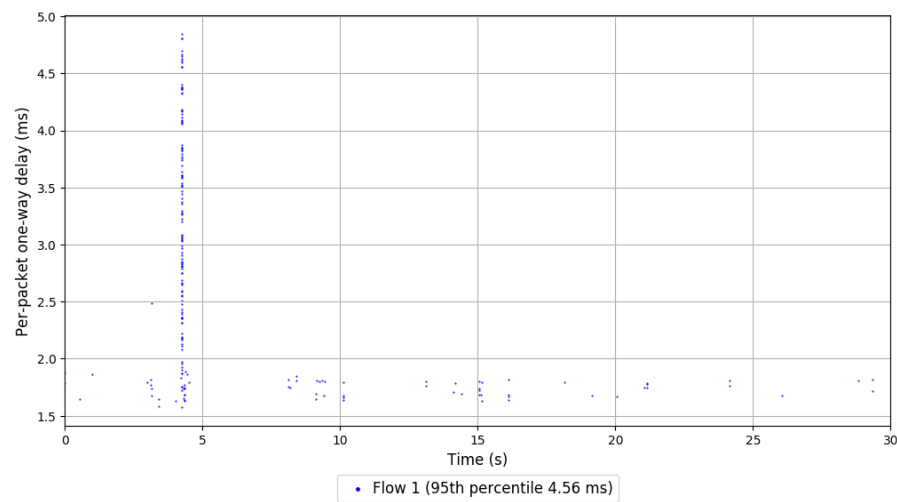
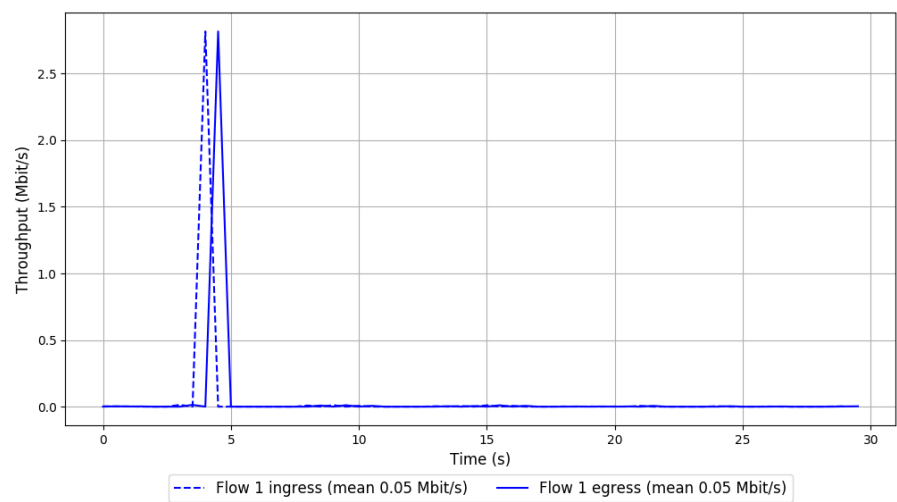
-- Flow 1:

Average throughput: 0.05 Mbit/s

95th percentile per-packet one-way delay: 4.557 ms

Loss rate: 0.00%

Run 3: Report of WebRTC media — Data Link



Run 4: Statistics of WebRTC media

Start at: 2019-02-11 13:25:46

End at: 2019-02-11 13:26:17

Local clock offset: -3.854 ms

Remote clock offset: 1.181 ms

Below is generated by plot.py at 2019-02-11 14:08:13

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.05 Mbit/s

95th percentile per-packet one-way delay: 2.659 ms

Loss rate: 0.00%

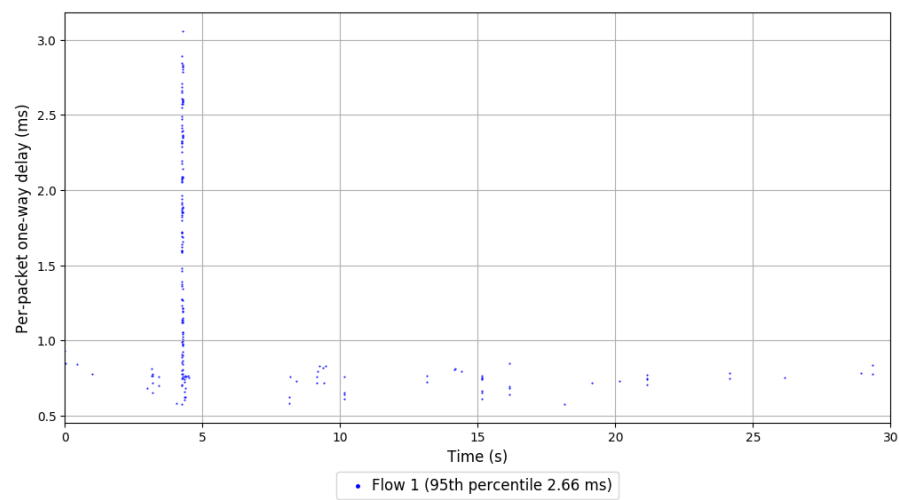
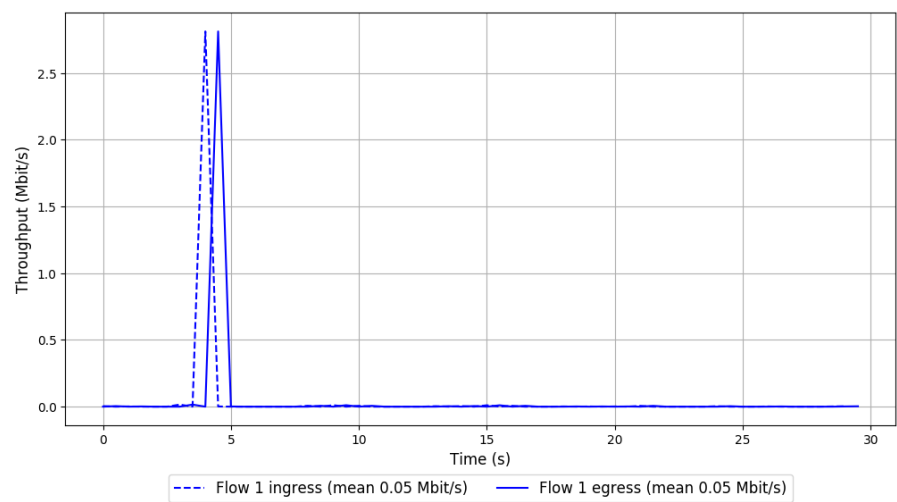
-- Flow 1:

Average throughput: 0.05 Mbit/s

95th percentile per-packet one-way delay: 2.659 ms

Loss rate: 0.00%

Run 4: Report of WebRTC media — Data Link



Run 5: Statistics of WebRTC media

Start at: 2019-02-11 13:49:12

End at: 2019-02-11 13:49:42

Local clock offset: -3.888 ms

Remote clock offset: 1.086 ms

Below is generated by plot.py at 2019-02-11 14:08:13

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.05 Mbit/s

95th percentile per-packet one-way delay: 4.277 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 0.05 Mbit/s

95th percentile per-packet one-way delay: 4.277 ms

Loss rate: 0.00%

Run 5: Report of WebRTC media — Data Link

