

Pantheon Report

Generated at 2019-01-18 20:57:59 (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:

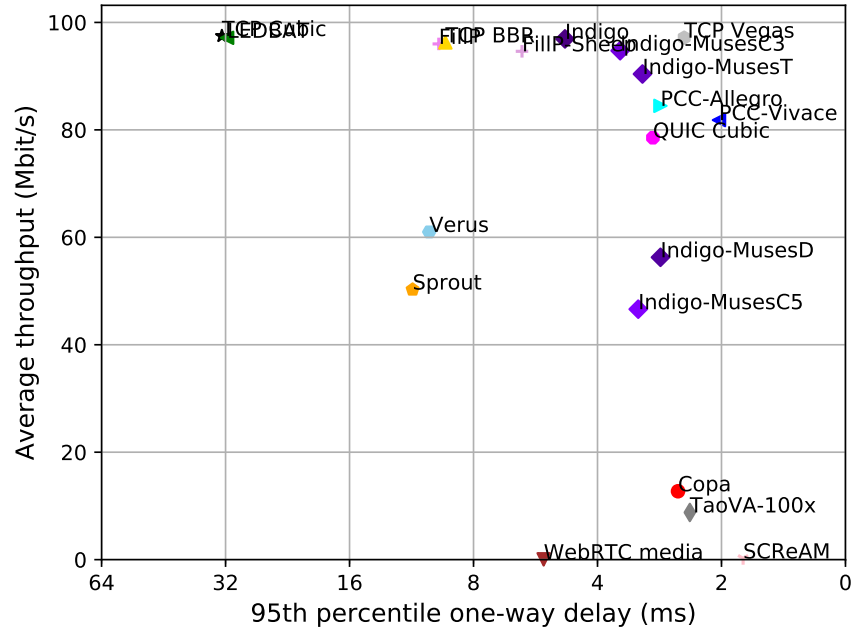
```
Linux 4.15.0-1031-aws
net.core.default_qdisc = fq
net.core.rmem_default = 16777216
net.core.rmem_max = 536870912
net.core.wmem_default = 16777216
net.core.wmem_max = 536870912
net.ipv4.tcp_rmem = 4096 16777216 536870912
net.ipv4.tcp_wmem = 4096 16777216 536870912
```

Git summary:

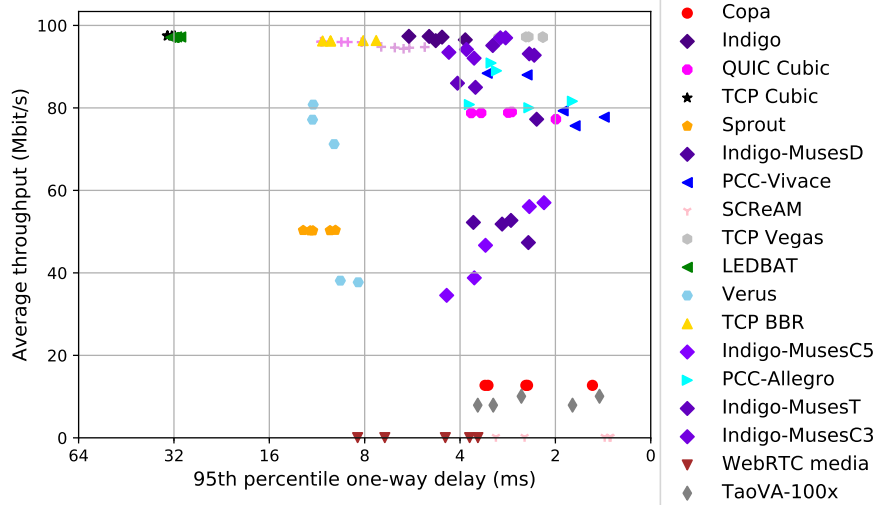
```
branch: muses @ c80a283586bf7b0cc1fe08c69c8f60d56498f81c
third_party/fillp @ d6da1459332fcee56963885d7eba17e6a32d4519
third_party/fillp-sheep @ 0e5bb722943babcd2b090d2c64fcd45e12e923f9
third_party/genericCC @ d0153f8e594aa89e93b032143cedbdf58e562f4
third_party/indigo @ 2601c92e4aa9d58d38dc4dfe0ecd90c077e64d
third_party/libutp @ b3465b942e2826f2b179eaab4a906ce6bb7cf3cf
third_party/muses @ c3eee875824760ec5b2fd207fefe166e1afe2170
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-quic @ 77961f1a82733a86b42f1bc8143ebc978f3cff42
third_party/scream-reproduce @ f099118d1421aa3131bf11ff1964974e1da3bdb2
M src/ScreamClient
M src/ScreamServer
third_party/sprout @ 366e35c6178b01e31d4a46ad18c74f9415f19a26
M src/examples/cellsim.cc
M src/examples/sproutbt2.cc
M src/network/sproutconn.cc
third_party/verus @ d4b447ea74c6c60a261149af2629562939f9a494
M src/verus.hpp
M tools/plot.py
third_party/vivace @ 2baf86211435ae071a32f96b7d8c504587f5d7f4
```

third_party/webrtc @ 3f0cc2a9061a41b6f9dde4735770d143a1fa2851

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



test from AWS Brazil 1 to Brazil, 5 runs of 30s each per scheme



scheme	# runs	mean avg tput (Mbit/s) flow 1	mean 95th-%ile delay (ms) flow 1	mean loss rate (%) flow 1
TCP BBR	5	96.28	9.36	0.00
Copa	5	12.73	2.55	64.95
TCP Cubic	5	97.47	32.66	0.01
FillP	5	96.00	9.71	0.29
FillP-Sheep	5	94.62	6.10	0.08
Indigo	5	96.93	4.80	0.00
Indigo-MusesC3	5	94.73	3.52	0.00
Indigo-MusesC5	5	46.62	3.19	0.00
Indigo-MusesD	5	56.28	2.81	0.00
Indigo-MusesT	5	90.40	3.11	0.00
LEDBAT	5	97.13	31.73	0.01
PCC-Allegro	5	84.47	2.81	0.00
PCC-Expr	0	N/A	N/A	N/A
QUIC Cubic	5	78.54	2.93	0.22
SCReAM	5	0.22	1.65	0.00
Sprout	5	50.28	11.25	0.00
TaoVA-100x	5	8.78	2.39	76.20
TCP Vegas	5	97.16	2.46	0.00
Verus	5	61.00	10.25	1.25
PCC-Vivace	5	81.82	2.03	0.00
WebRTC media	5	0.05	5.41	0.00

Run 1: Statistics of TCP BBR

Start at: 2019-01-18 19:00:37

End at: 2019-01-18 19:01:07

Local clock offset: -5.479 ms

Remote clock offset: 0.231 ms

Below is generated by plot.py at 2019-01-18 20:48:46

Datalink statistics

-- Total of 1 flow:

Average throughput: 96.35 Mbit/s

95th percentile per-packet one-way delay: 7.358 ms

Loss rate: 0.00%

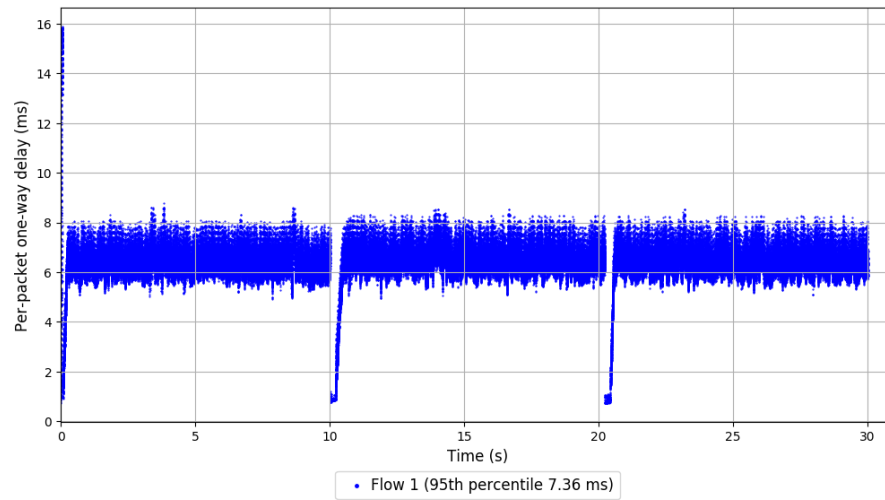
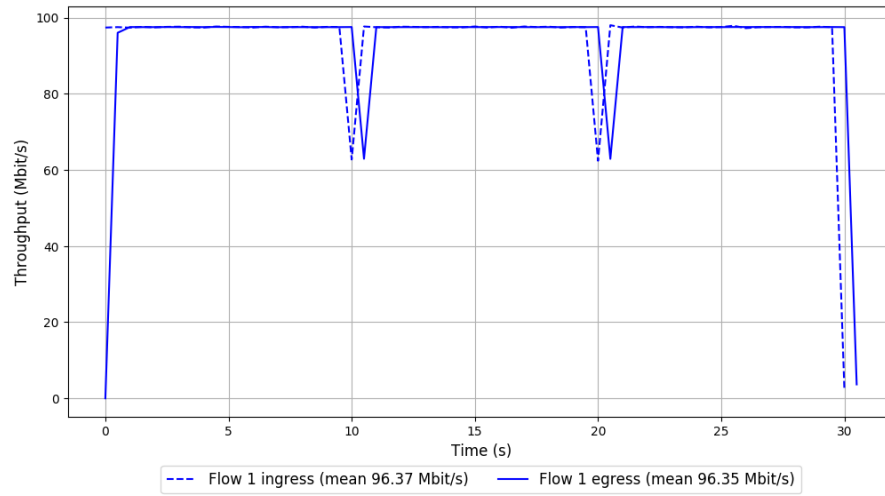
-- Flow 1:

Average throughput: 96.35 Mbit/s

95th percentile per-packet one-way delay: 7.358 ms

Loss rate: 0.00%

Run 1: Report of TCP BBR — Data Link



Run 2: Statistics of TCP BBR

Start at: 2019-01-18 19:24:04

End at: 2019-01-18 19:24:34

Local clock offset: -6.448 ms

Remote clock offset: 0.256 ms

Below is generated by plot.py at 2019-01-18 20:48:47

Datalink statistics

-- Total of 1 flow:

Average throughput: 96.26 Mbit/s

95th percentile per-packet one-way delay: 10.247 ms

Loss rate: 0.00%

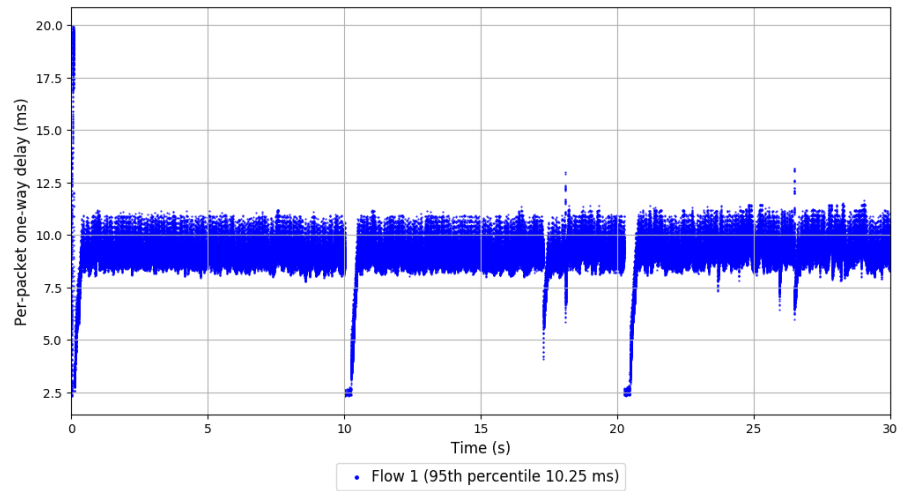
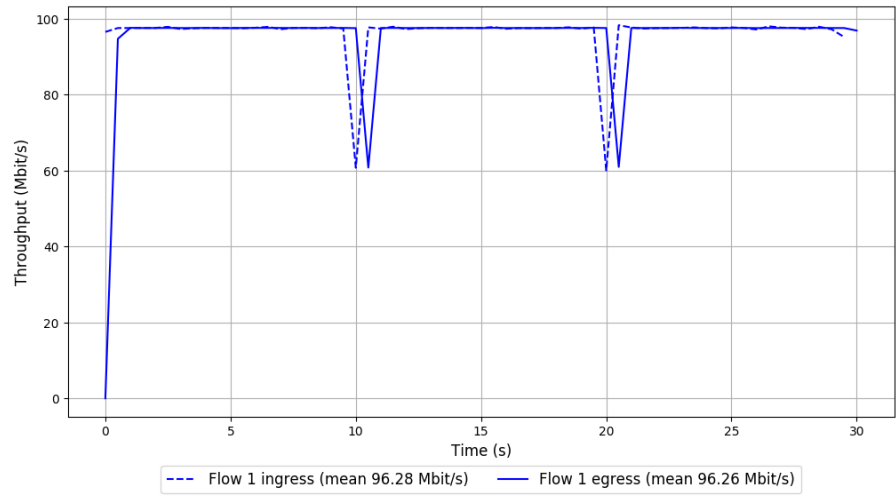
-- Flow 1:

Average throughput: 96.26 Mbit/s

95th percentile per-packet one-way delay: 10.247 ms

Loss rate: 0.00%

Run 2: Report of TCP BBR — Data Link



Run 3: Statistics of TCP BBR

Start at: 2019-01-18 19:47:31

End at: 2019-01-18 19:48:01

Local clock offset: -6.097 ms

Remote clock offset: 0.282 ms

Below is generated by plot.py at 2019-01-18 20:48:47

Datalink statistics

-- Total of 1 flow:

Average throughput: 96.23 Mbit/s

95th percentile per-packet one-way delay: 10.863 ms

Loss rate: 0.00%

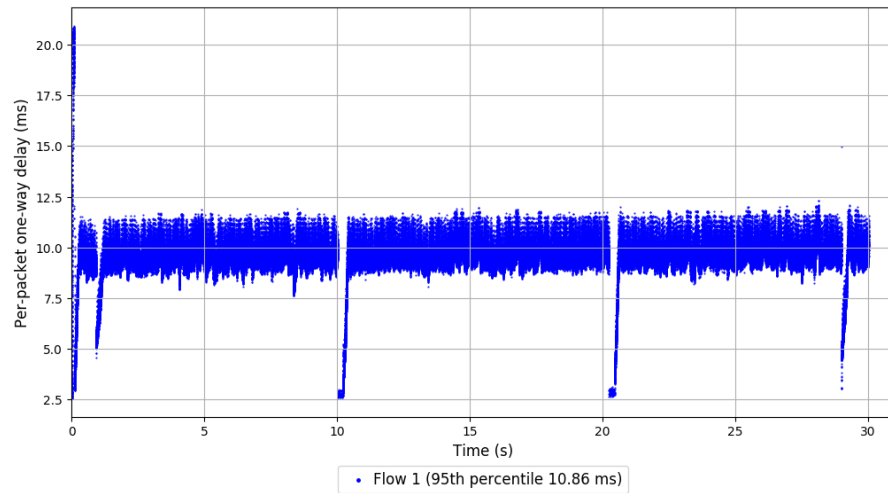
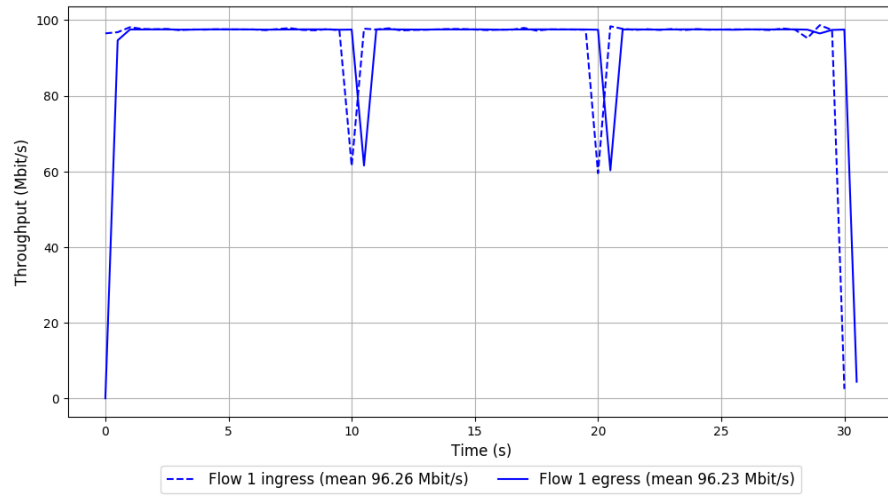
-- Flow 1:

Average throughput: 96.23 Mbit/s

95th percentile per-packet one-way delay: 10.863 ms

Loss rate: 0.00%

Run 3: Report of TCP BBR — Data Link



Run 4: Statistics of TCP BBR

Start at: 2019-01-18 20:10:58

End at: 2019-01-18 20:11:28

Local clock offset: -3.005 ms

Remote clock offset: 0.233 ms

Below is generated by plot.py at 2019-01-18 20:48:47

Datalink statistics

-- Total of 1 flow:

Average throughput: 96.32 Mbit/s

95th percentile per-packet one-way delay: 8.087 ms

Loss rate: 0.00%

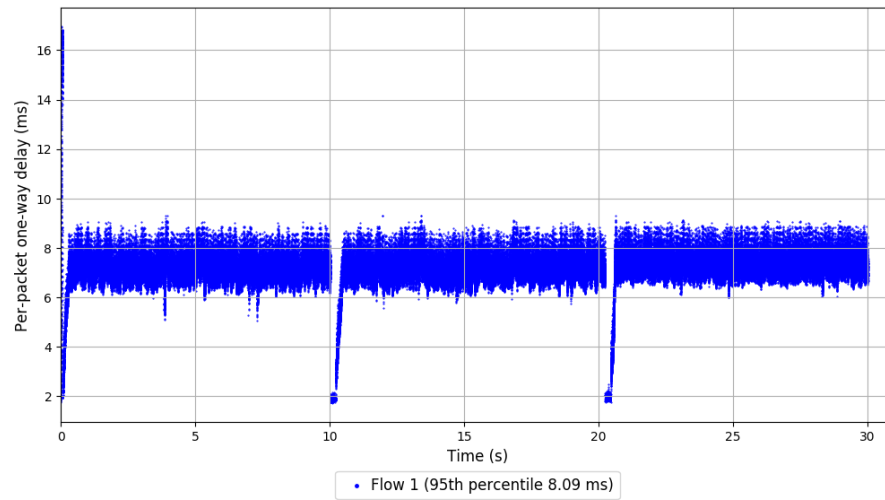
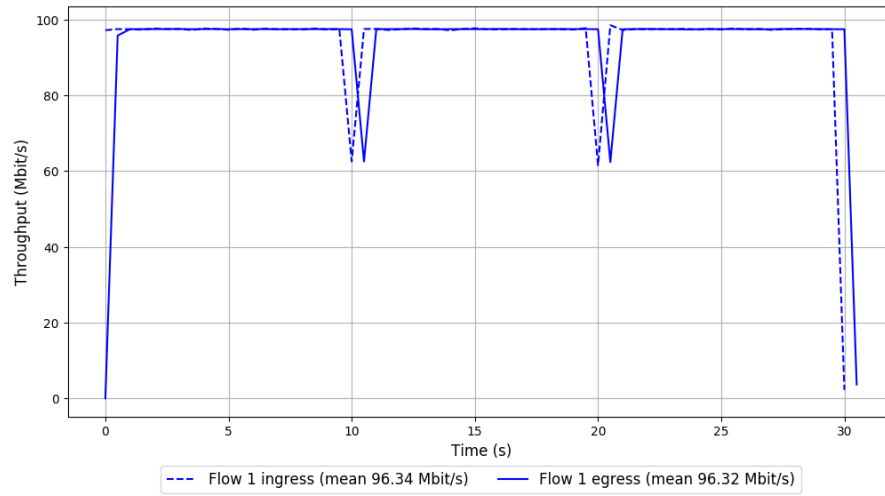
-- Flow 1:

Average throughput: 96.32 Mbit/s

95th percentile per-packet one-way delay: 8.087 ms

Loss rate: 0.00%

Run 4: Report of TCP BBR — Data Link



Run 5: Statistics of TCP BBR

Start at: 2019-01-18 20:34:26

End at: 2019-01-18 20:34:56

Local clock offset: -6.8 ms

Remote clock offset: 0.096 ms

Below is generated by plot.py at 2019-01-18 20:48:47

Datalink statistics

-- Total of 1 flow:

Average throughput: 96.23 Mbit/s

95th percentile per-packet one-way delay: 10.261 ms

Loss rate: 0.00%

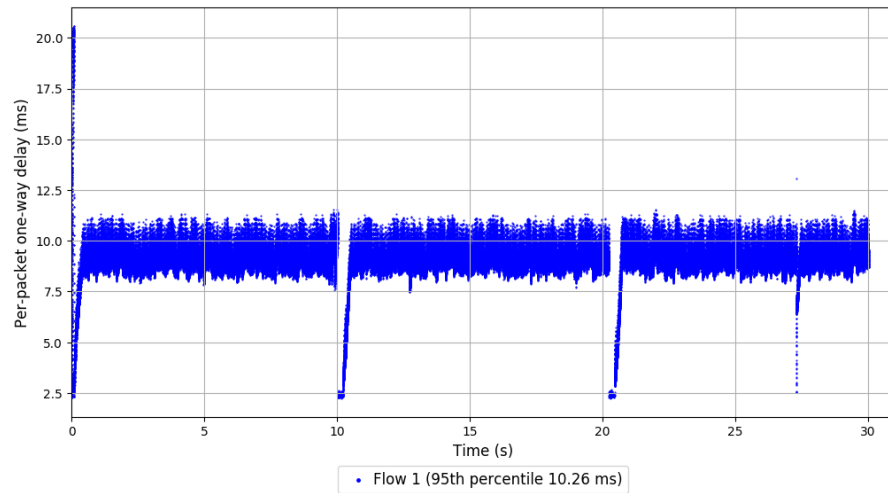
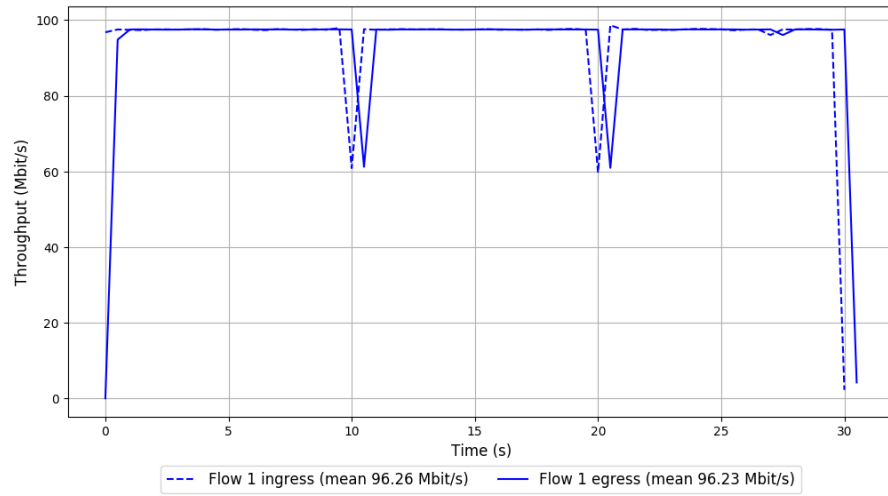
-- Flow 1:

Average throughput: 96.23 Mbit/s

95th percentile per-packet one-way delay: 10.261 ms

Loss rate: 0.00%

Run 5: Report of TCP BBR — Data Link



Run 1: Statistics of Copa

Start at: 2019-01-18 18:59:31

End at: 2019-01-18 19:00:01

Local clock offset: -5.236 ms

Remote clock offset: 0.292 ms

Below is generated by plot.py at 2019-01-18 20:48:47

Datalink statistics

-- Total of 1 flow:

Average throughput: 12.73 Mbit/s

95th percentile per-packet one-way delay: 2.449 ms

Loss rate: 64.85%

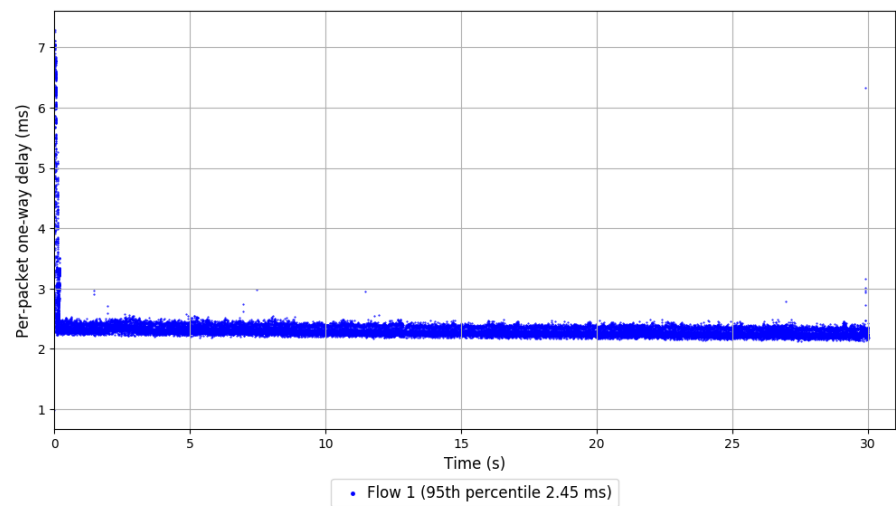
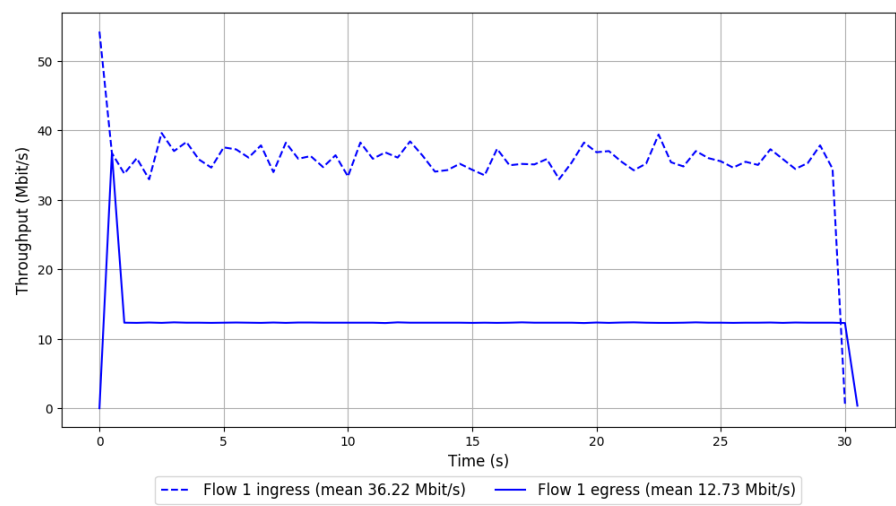
-- Flow 1:

Average throughput: 12.73 Mbit/s

95th percentile per-packet one-way delay: 2.449 ms

Loss rate: 64.85%

Run 1: Report of Copa — Data Link

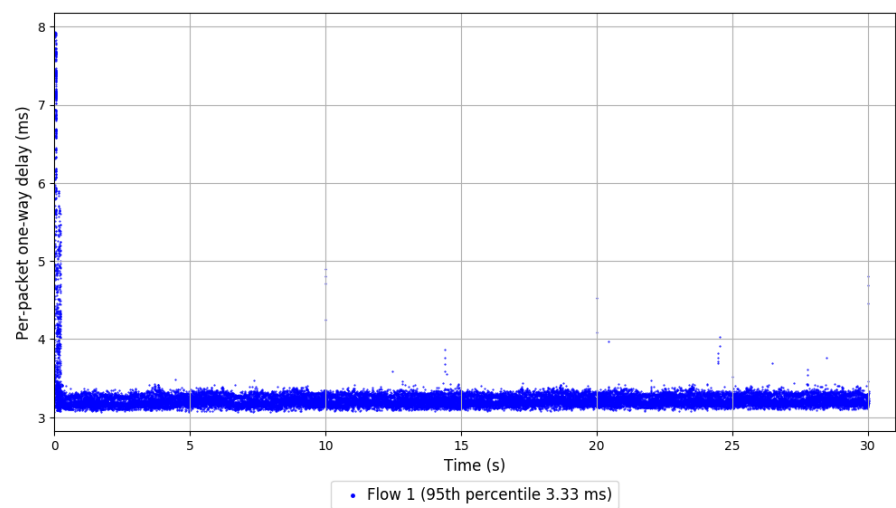
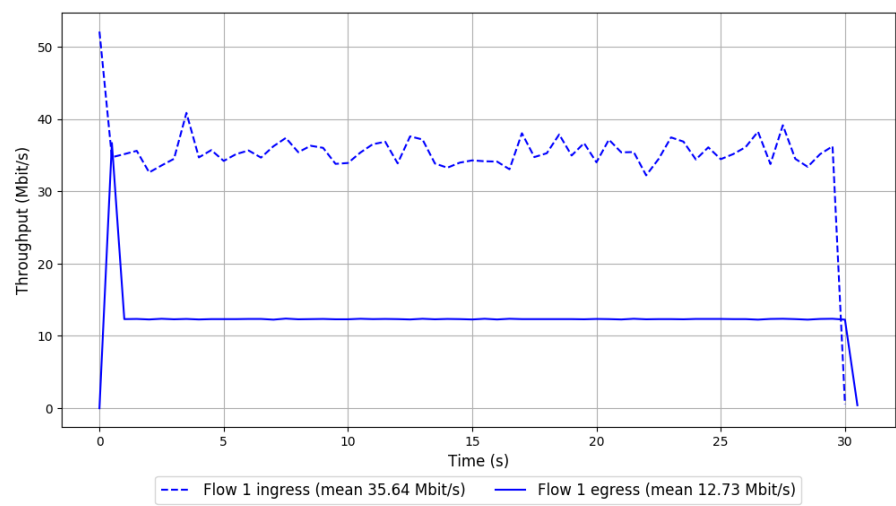


Run 2: Statistics of Copa

Start at: 2019-01-18 19:22:58
End at: 2019-01-18 19:23:28
Local clock offset: -7.279 ms
Remote clock offset: 0.271 ms

Below is generated by plot.py at 2019-01-18 20:48:47
Datalink statistics
-- Total of 1 flow:
Average throughput: 12.73 Mbit/s
95th percentile per-packet one-way delay: 3.335 ms
Loss rate: 64.29%
-- Flow 1:
Average throughput: 12.73 Mbit/s
95th percentile per-packet one-way delay: 3.335 ms
Loss rate: 64.29%

Run 2: Report of Copa — Data Link

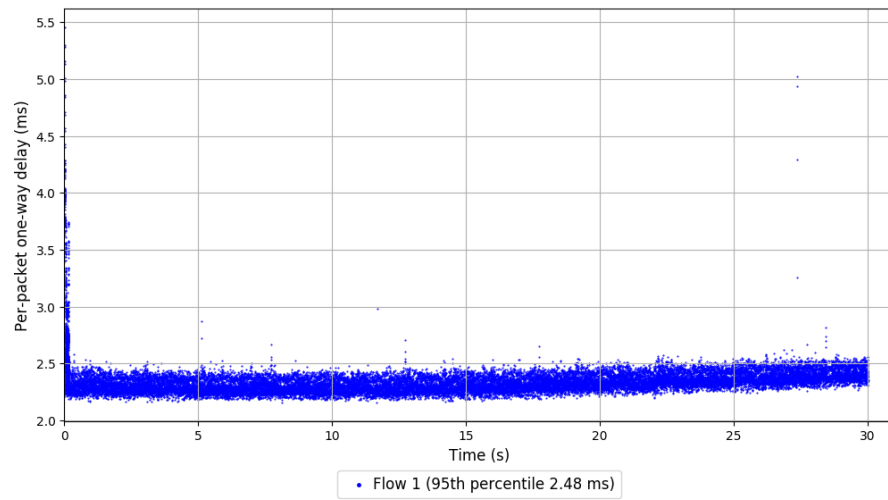
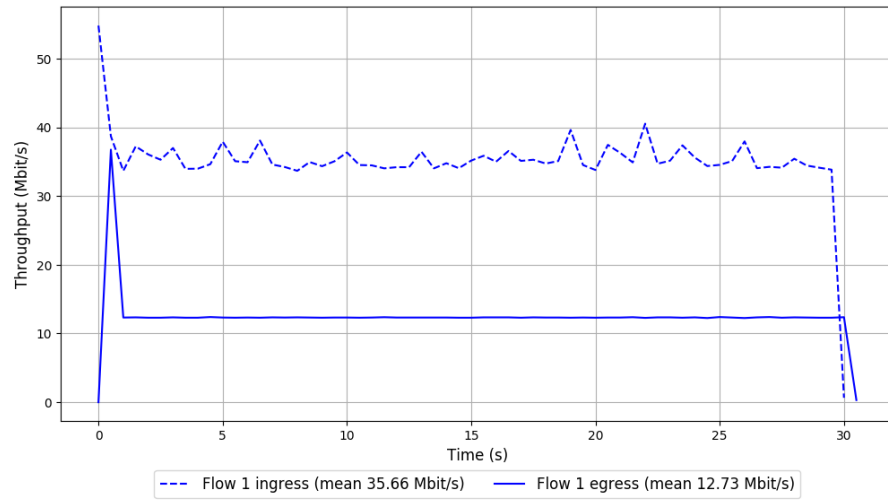


Run 3: Statistics of Copa

Start at: 2019-01-18 19:46:26
End at: 2019-01-18 19:46:56
Local clock offset: -6.222 ms
Remote clock offset: 0.195 ms

Below is generated by plot.py at 2019-01-18 20:48:47
Datalink statistics
-- Total of 1 flow:
Average throughput: 12.73 Mbit/s
95th percentile per-packet one-way delay: 2.479 ms
Loss rate: 64.30%
-- Flow 1:
Average throughput: 12.73 Mbit/s
95th percentile per-packet one-way delay: 2.479 ms
Loss rate: 64.30%

Run 3: Report of Copa — Data Link

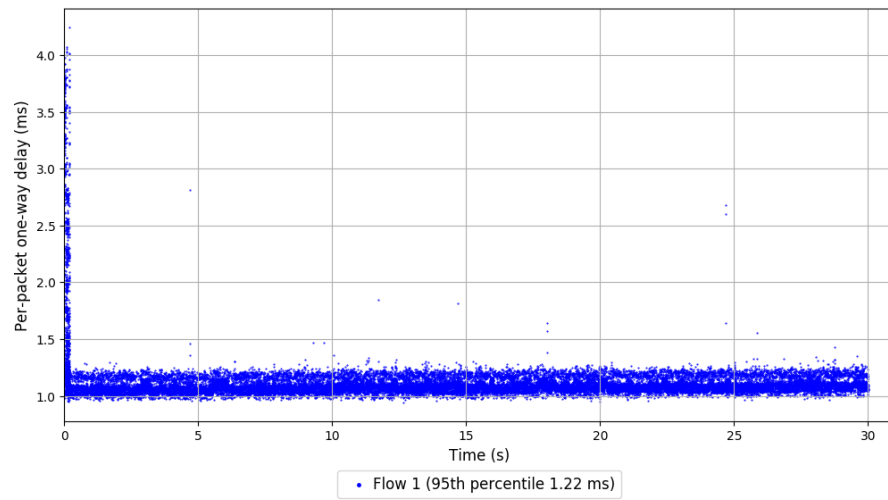
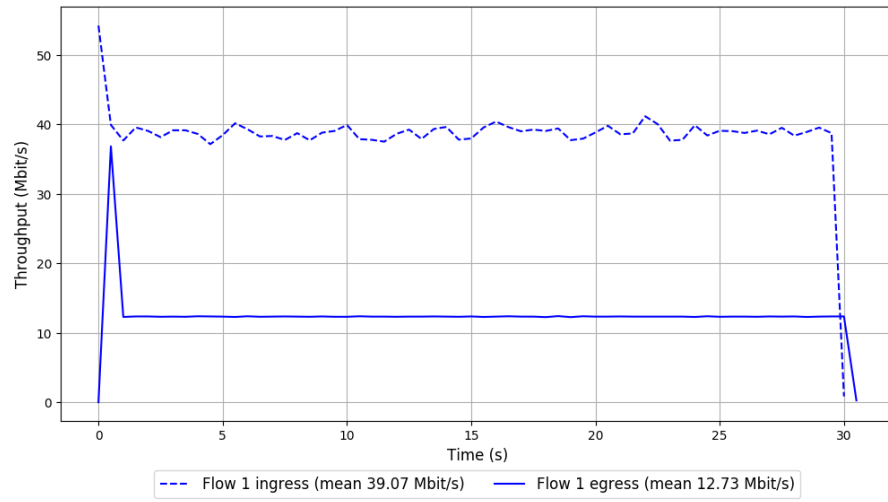


Run 4: Statistics of Copa

Start at: 2019-01-18 20:09:53
End at: 2019-01-18 20:10:23
Local clock offset: -2.322 ms
Remote clock offset: 0.241 ms

Below is generated by plot.py at 2019-01-18 20:48:47
Datalink statistics
-- Total of 1 flow:
Average throughput: 12.73 Mbit/s
95th percentile per-packet one-way delay: 1.223 ms
Loss rate: 67.42%
-- Flow 1:
Average throughput: 12.73 Mbit/s
95th percentile per-packet one-way delay: 1.223 ms
Loss rate: 67.42%

Run 4: Report of Copa — Data Link



Run 5: Statistics of Copa

Start at: 2019-01-18 20:33:21

End at: 2019-01-18 20:33:51

Local clock offset: -7.482 ms

Remote clock offset: 0.102 ms

Below is generated by plot.py at 2019-01-18 20:48:47

Datalink statistics

-- Total of 1 flow:

Average throughput: 12.73 Mbit/s

95th percentile per-packet one-way delay: 3.265 ms

Loss rate: 63.90%

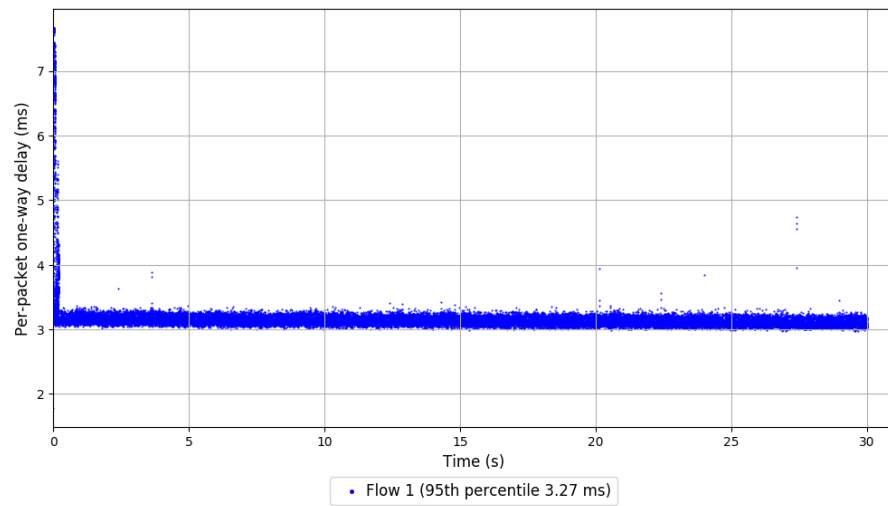
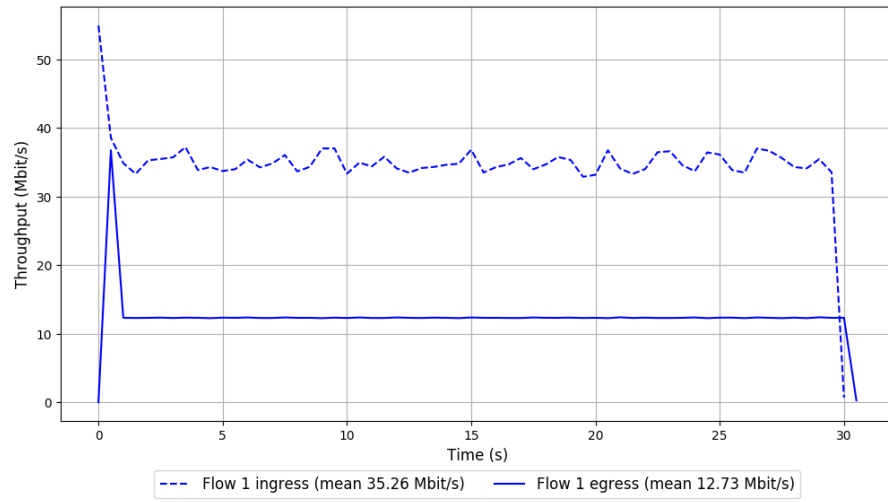
-- Flow 1:

Average throughput: 12.73 Mbit/s

95th percentile per-packet one-way delay: 3.265 ms

Loss rate: 63.90%

Run 5: Report of Copa — Data Link



Run 1: Statistics of TCP Cubic

Start at: 2019-01-18 18:56:06

End at: 2019-01-18 18:56:36

Local clock offset: -5.225 ms

Remote clock offset: 0.278 ms

Below is generated by plot.py at 2019-01-18 20:49:02

Datalink statistics

-- Total of 1 flow:

Average throughput: 97.47 Mbit/s

95th percentile per-packet one-way delay: 31.796 ms

Loss rate: 0.01%

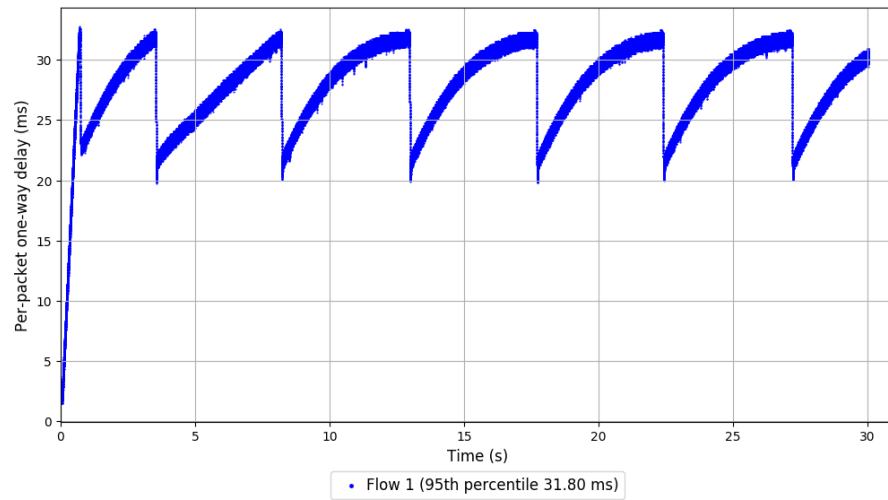
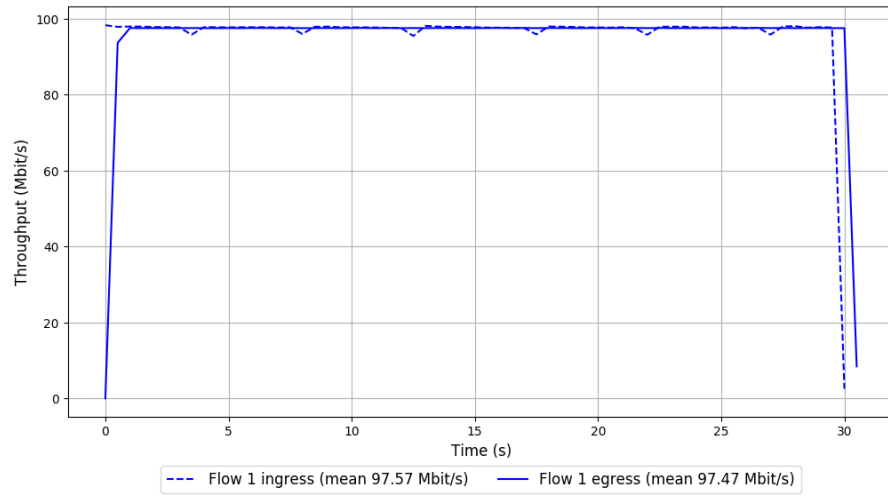
-- Flow 1:

Average throughput: 97.47 Mbit/s

95th percentile per-packet one-way delay: 31.796 ms

Loss rate: 0.01%

Run 1: Report of TCP Cubic — Data Link



Run 2: Statistics of TCP Cubic

Start at: 2019-01-18 19:19:33

End at: 2019-01-18 19:20:03

Local clock offset: -7.552 ms

Remote clock offset: 0.254 ms

Below is generated by plot.py at 2019-01-18 20:49:12

Datalink statistics

-- Total of 1 flow:

Average throughput: 97.49 Mbit/s

95th percentile per-packet one-way delay: 33.491 ms

Loss rate: 0.01%

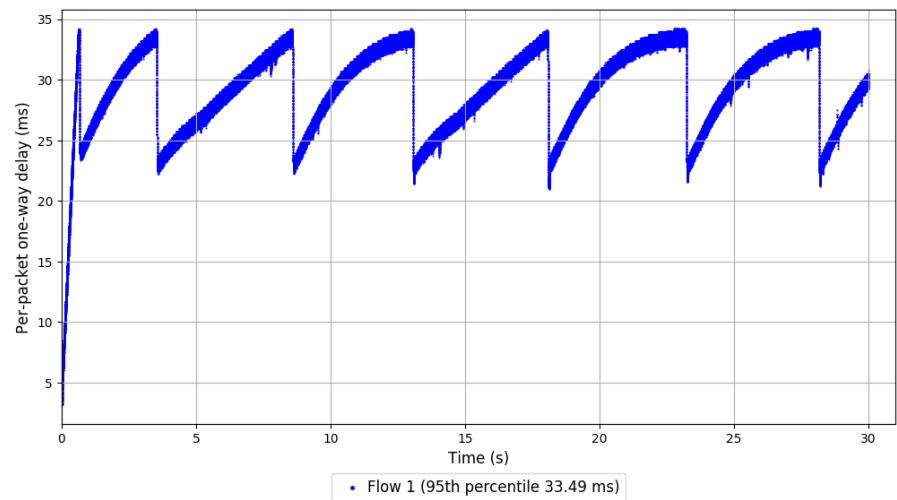
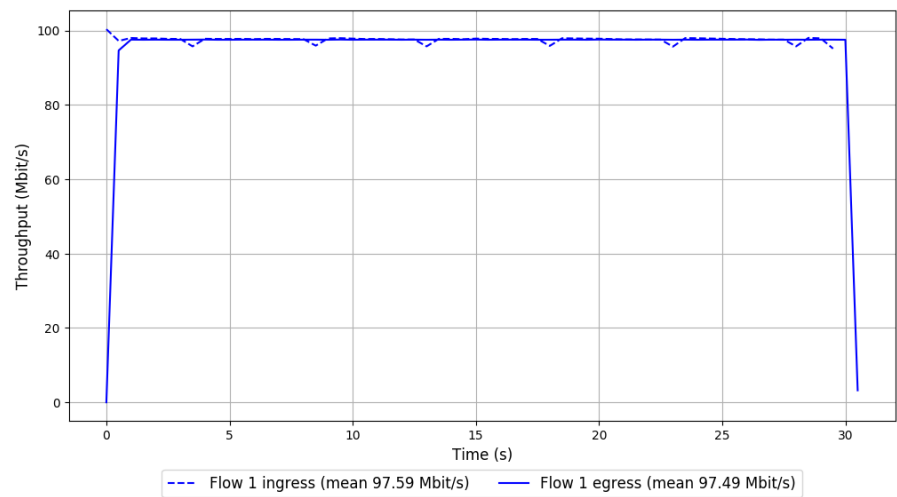
-- Flow 1:

Average throughput: 97.49 Mbit/s

95th percentile per-packet one-way delay: 33.491 ms

Loss rate: 0.01%

Run 2: Report of TCP Cubic — Data Link



Run 3: Statistics of TCP Cubic

Start at: 2019-01-18 19:43:00

End at: 2019-01-18 19:43:30

Local clock offset: -6.972 ms

Remote clock offset: 0.262 ms

Below is generated by plot.py at 2019-01-18 20:49:13

Datalink statistics

-- Total of 1 flow:

Average throughput: 97.46 Mbit/s

95th percentile per-packet one-way delay: 31.873 ms

Loss rate: 0.01%

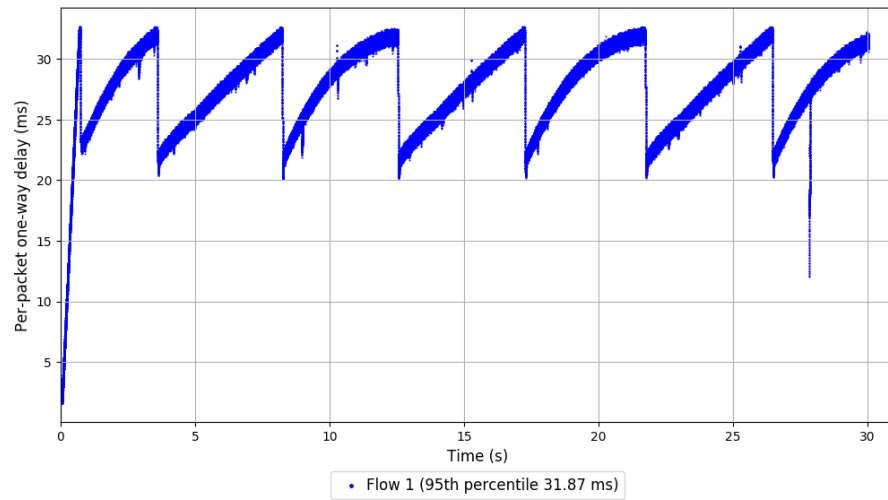
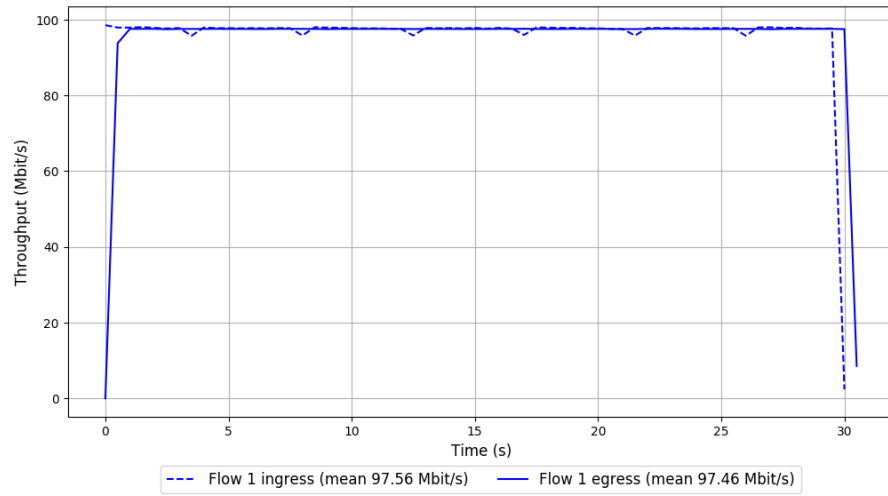
-- Flow 1:

Average throughput: 97.46 Mbit/s

95th percentile per-packet one-way delay: 31.873 ms

Loss rate: 0.01%

Run 3: Report of TCP Cubic — Data Link



Run 4: Statistics of TCP Cubic

Start at: 2019-01-18 20:06:28

End at: 2019-01-18 20:06:58

Local clock offset: -3.274 ms

Remote clock offset: 0.201 ms

Below is generated by plot.py at 2019-01-18 20:49:50

Datalink statistics

-- Total of 1 flow:

Average throughput: 97.47 Mbit/s

95th percentile per-packet one-way delay: 33.632 ms

Loss rate: 0.01%

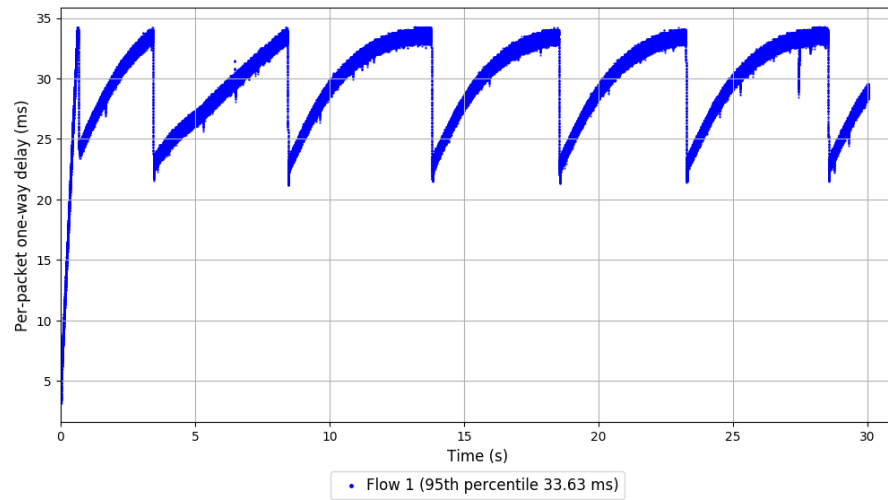
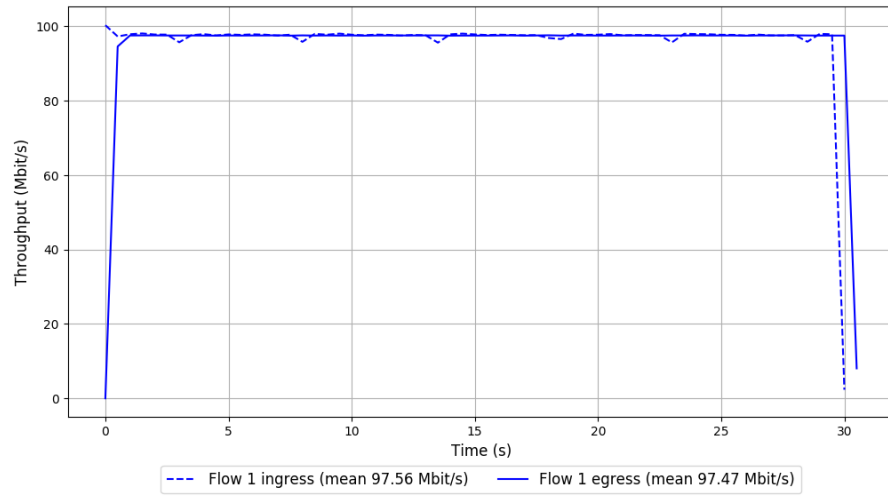
-- Flow 1:

Average throughput: 97.47 Mbit/s

95th percentile per-packet one-way delay: 33.632 ms

Loss rate: 0.01%

Run 4: Report of TCP Cubic — Data Link



Run 5: Statistics of TCP Cubic

Start at: 2019-01-18 20:29:56

End at: 2019-01-18 20:30:26

Local clock offset: -6.216 ms

Remote clock offset: 0.071 ms

Below is generated by plot.py at 2019-01-18 20:49:50

Datalink statistics

-- Total of 1 flow:

Average throughput: 97.46 Mbit/s

95th percentile per-packet one-way delay: 32.520 ms

Loss rate: 0.01%

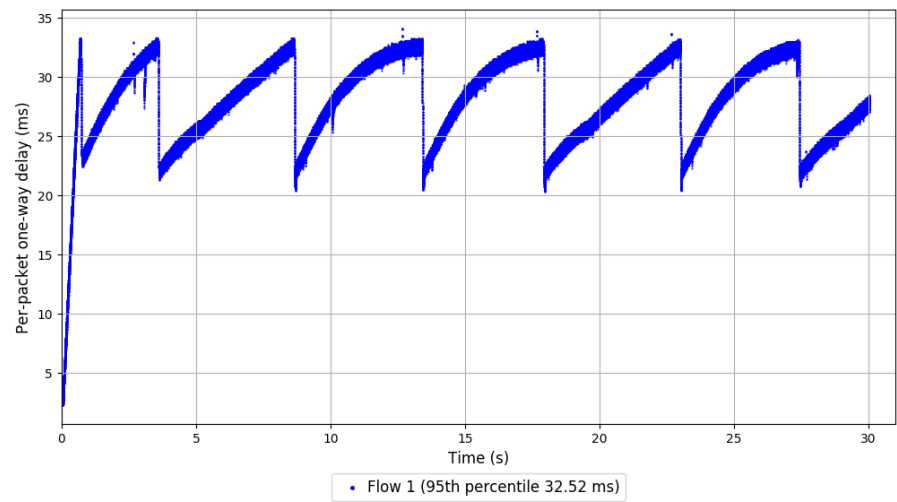
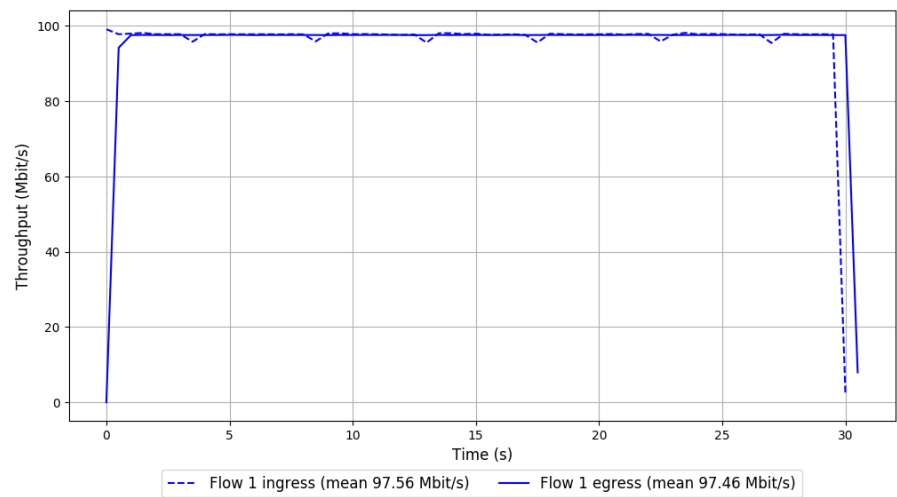
-- Flow 1:

Average throughput: 97.46 Mbit/s

95th percentile per-packet one-way delay: 32.520 ms

Loss rate: 0.01%

Run 5: Report of TCP Cubic — Data Link



Run 1: Statistics of FillP

Start at: 2019-01-18 18:54:59

End at: 2019-01-18 18:55:29

Local clock offset: -4.895 ms

Remote clock offset: 0.203 ms

Below is generated by plot.py at 2019-01-18 20:50:02

Datalink statistics

-- Total of 1 flow:

Average throughput: 95.97 Mbit/s

95th percentile per-packet one-way delay: 9.042 ms

Loss rate: 0.32%

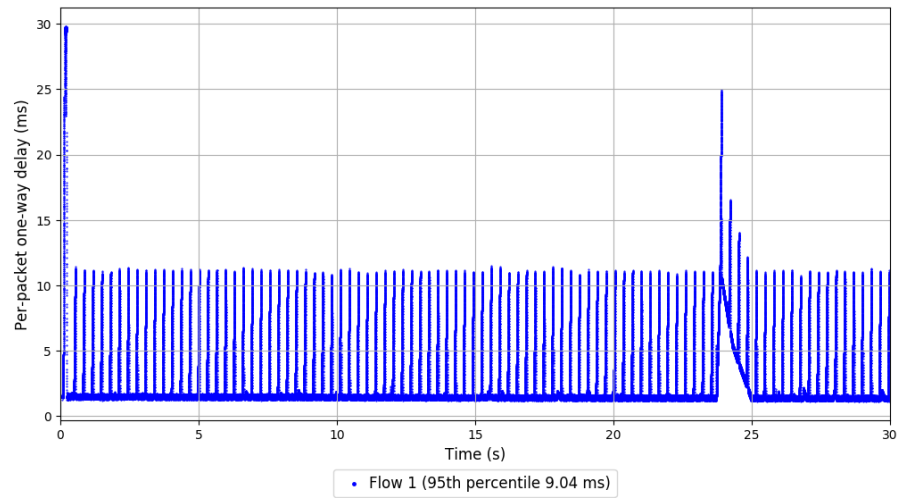
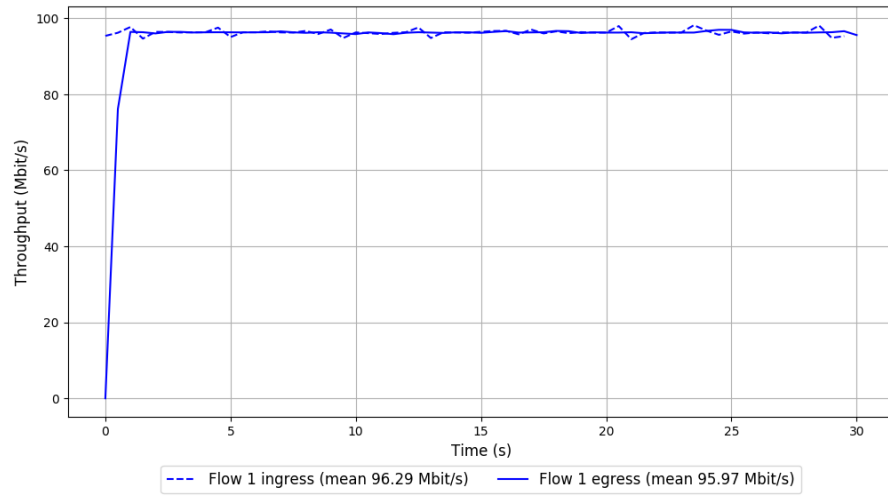
-- Flow 1:

Average throughput: 95.97 Mbit/s

95th percentile per-packet one-way delay: 9.042 ms

Loss rate: 0.32%

Run 1: Report of FillP — Data Link



Run 2: Statistics of FillP

Start at: 2019-01-18 19:18:26

End at: 2019-01-18 19:18:56

Local clock offset: -7.726 ms

Remote clock offset: 0.288 ms

Below is generated by plot.py at 2019-01-18 20:50:03

Datalink statistics

-- Total of 1 flow:

Average throughput: 96.06 Mbit/s

95th percentile per-packet one-way delay: 10.883 ms

Loss rate: 0.24%

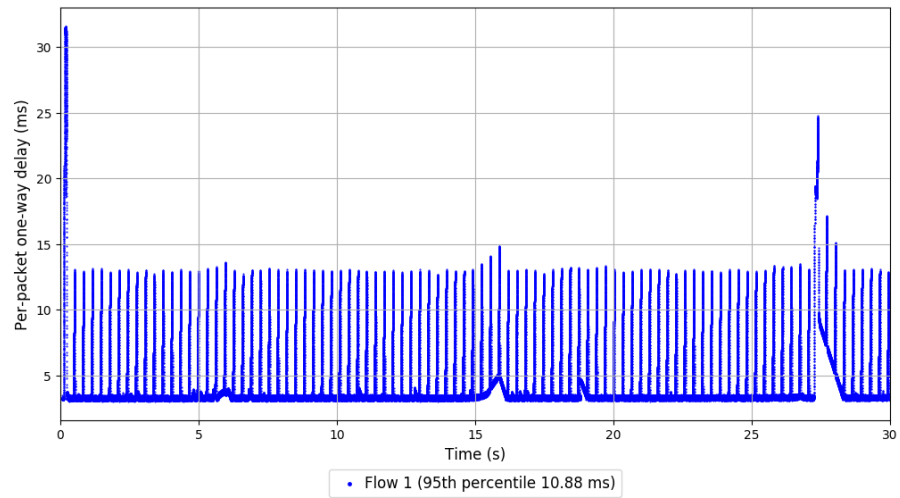
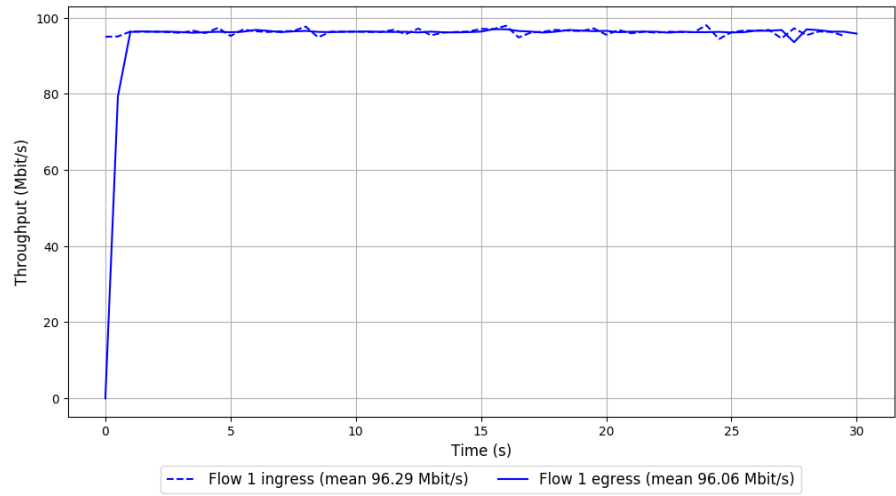
-- Flow 1:

Average throughput: 96.06 Mbit/s

95th percentile per-packet one-way delay: 10.883 ms

Loss rate: 0.24%

Run 2: Report of FillP — Data Link



Run 3: Statistics of FillP

Start at: 2019-01-18 19:41:53

End at: 2019-01-18 19:42:23

Local clock offset: -6.947 ms

Remote clock offset: 0.246 ms

Below is generated by plot.py at 2019-01-18 20:50:05

Datalink statistics

-- Total of 1 flow:

Average throughput: 96.05 Mbit/s

95th percentile per-packet one-way delay: 10.990 ms

Loss rate: 0.24%

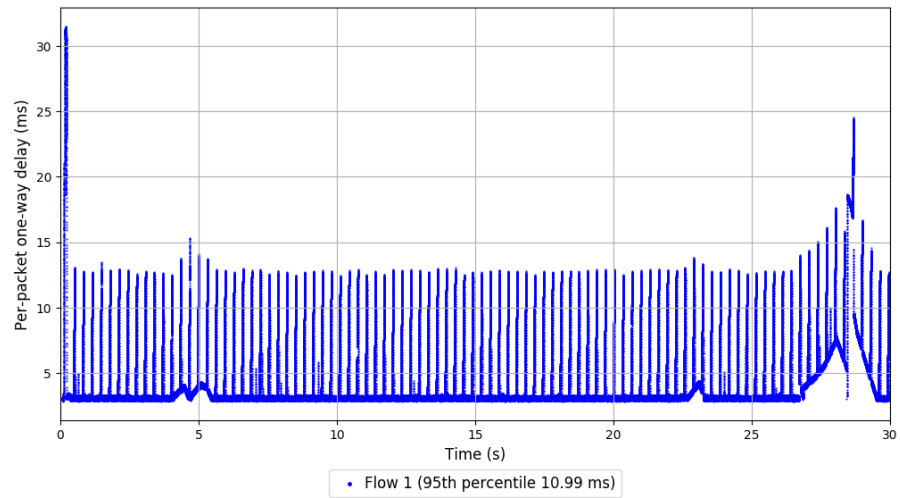
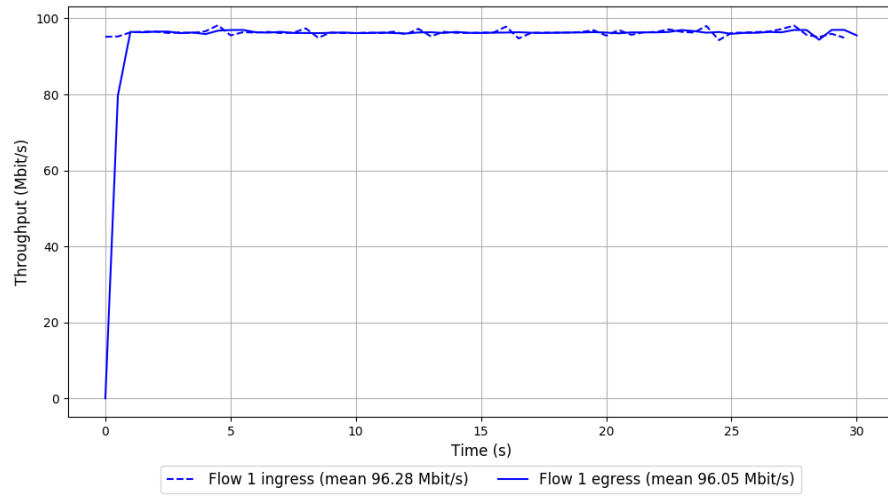
-- Flow 1:

Average throughput: 96.05 Mbit/s

95th percentile per-packet one-way delay: 10.990 ms

Loss rate: 0.24%

Run 3: Report of FillP — Data Link



Run 4: Statistics of FillP

Start at: 2019-01-18 20:05:20

End at: 2019-01-18 20:05:50

Local clock offset: -2.598 ms

Remote clock offset: 0.232 ms

Below is generated by plot.py at 2019-01-18 20:50:21

Datalink statistics

-- Total of 1 flow:

Average throughput: 95.98 Mbit/s

95th percentile per-packet one-way delay: 9.476 ms

Loss rate: 0.32%

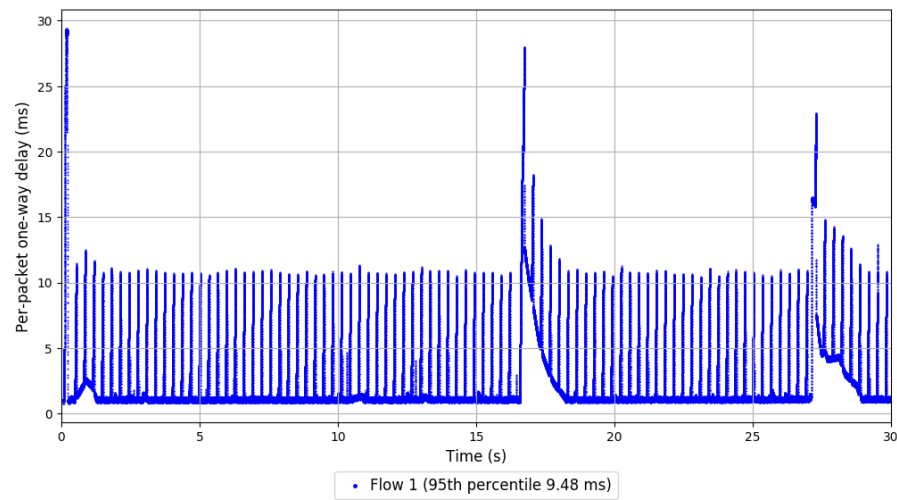
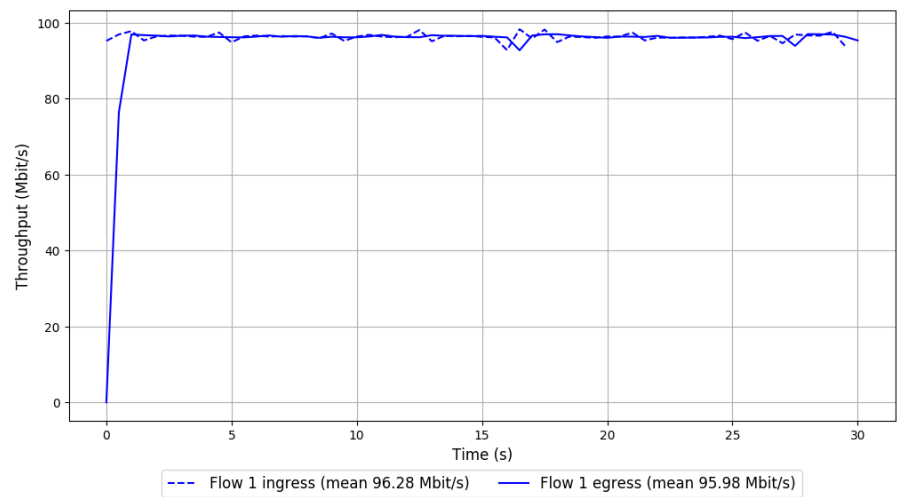
-- Flow 1:

Average throughput: 95.98 Mbit/s

95th percentile per-packet one-way delay: 9.476 ms

Loss rate: 0.32%

Run 4: Report of FillP — Data Link



Run 5: Statistics of FillP

Start at: 2019-01-18 20:28:48

End at: 2019-01-18 20:29:19

Local clock offset: -5.976 ms

Remote clock offset: 0.051 ms

Below is generated by plot.py at 2019-01-18 20:50:31

Datalink statistics

-- Total of 1 flow:

Average throughput: 95.93 Mbit/s

95th percentile per-packet one-way delay: 8.180 ms

Loss rate: 0.32%

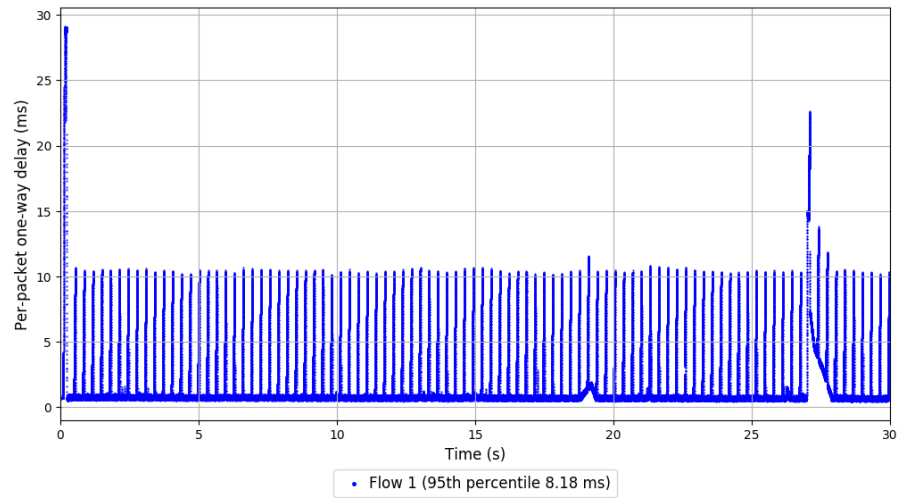
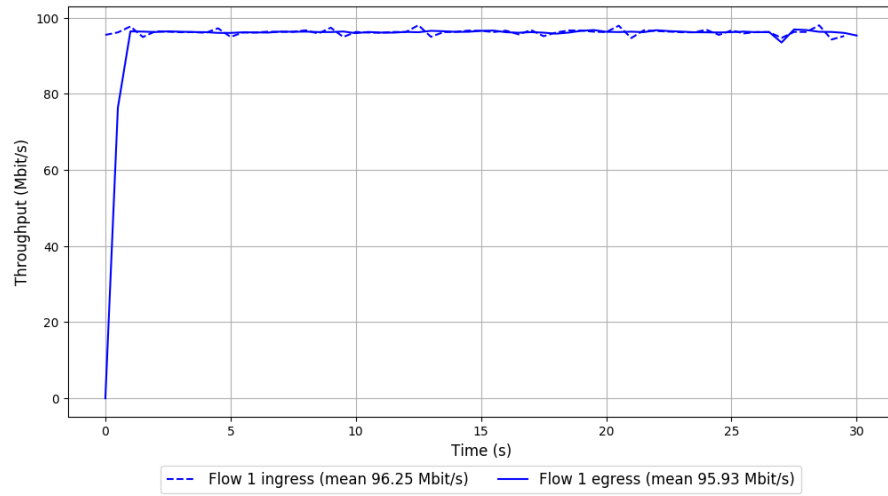
-- Flow 1:

Average throughput: 95.93 Mbit/s

95th percentile per-packet one-way delay: 8.180 ms

Loss rate: 0.32%

Run 5: Report of FillP — Data Link



Run 1: Statistics of FillP-Sheep

Start at: 2019-01-18 19:08:30

End at: 2019-01-18 19:09:00

Local clock offset: -7.196 ms

Remote clock offset: 0.325 ms

Below is generated by plot.py at 2019-01-18 20:50:31

Datalink statistics

-- Total of 1 flow:

Average throughput: 94.59 Mbit/s

95th percentile per-packet one-way delay: 5.784 ms

Loss rate: 0.07%

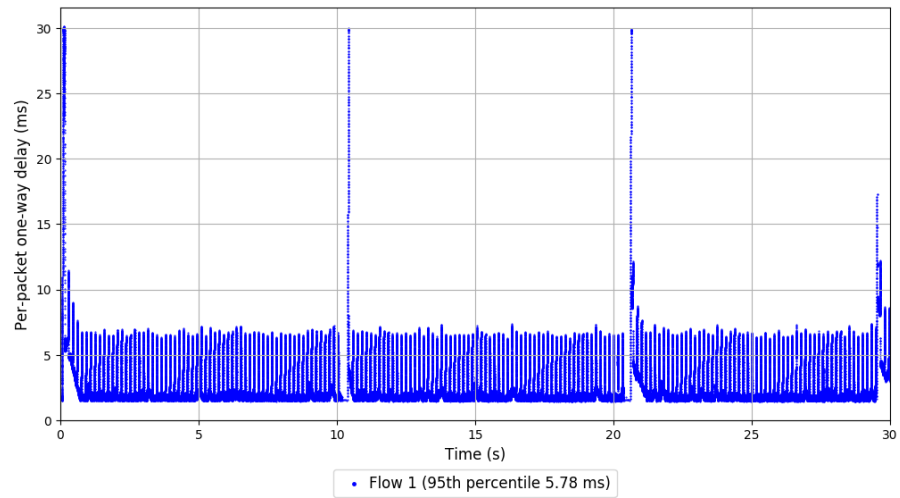
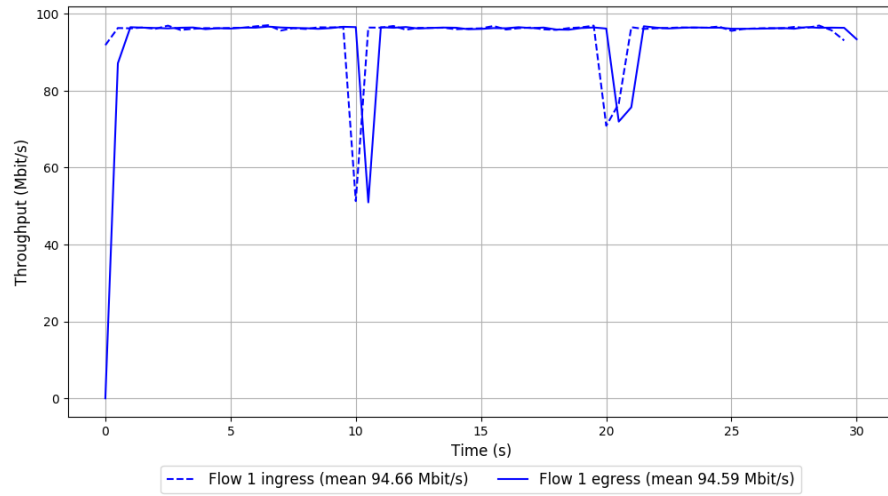
-- Flow 1:

Average throughput: 94.59 Mbit/s

95th percentile per-packet one-way delay: 5.784 ms

Loss rate: 0.07%

Run 1: Report of FillP-Sheep — Data Link



Run 2: Statistics of FillP-Sheep

Start at: 2019-01-18 19:31:57

End at: 2019-01-18 19:32:27

Local clock offset: -6.178 ms

Remote clock offset: 0.246 ms

Below is generated by plot.py at 2019-01-18 20:51:08

Datalink statistics

-- Total of 1 flow:

Average throughput: 94.33 Mbit/s

95th percentile per-packet one-way delay: 6.029 ms

Loss rate: 0.09%

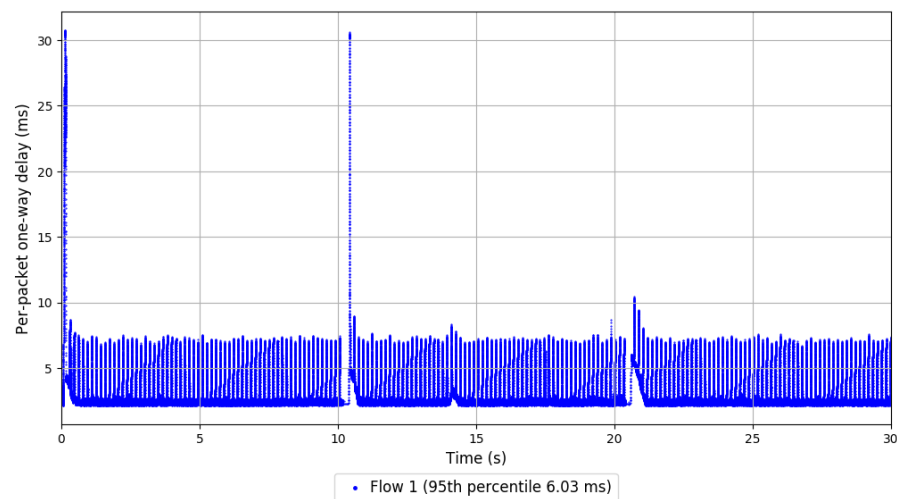
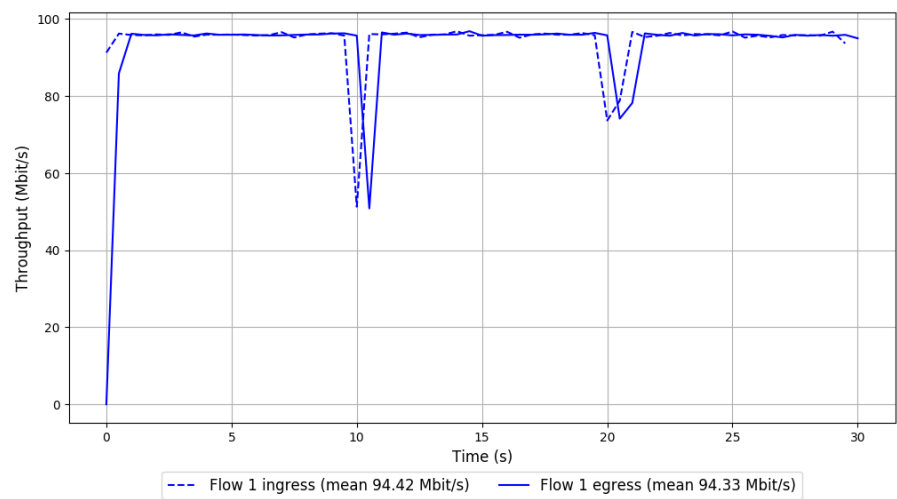
-- Flow 1:

Average throughput: 94.33 Mbit/s

95th percentile per-packet one-way delay: 6.029 ms

Loss rate: 0.09%

Run 2: Report of FillP-Sheep — Data Link

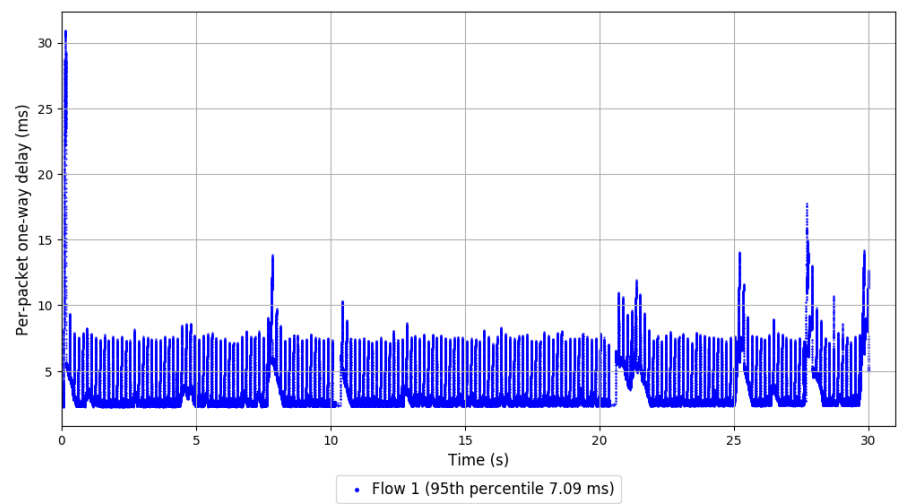
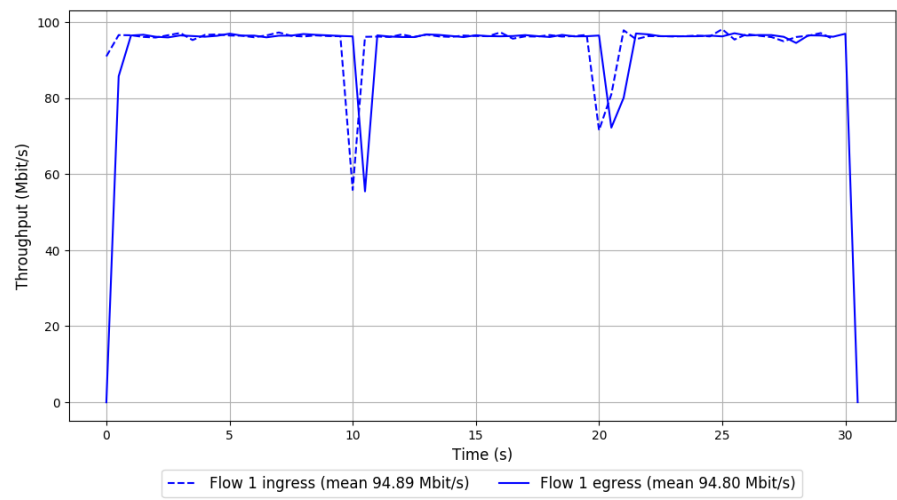


Run 3: Statistics of FillP-Sheep

Start at: 2019-01-18 19:55:24
End at: 2019-01-18 19:55:54
Local clock offset: -3.868 ms
Remote clock offset: 0.184 ms

Below is generated by plot.py at 2019-01-18 20:51:08
Datalink statistics
-- Total of 1 flow:
Average throughput: 94.80 Mbit/s
95th percentile per-packet one-way delay: 7.093 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 94.80 Mbit/s
95th percentile per-packet one-way delay: 7.093 ms
Loss rate: 0.08%

Run 3: Report of FillP-Sheep — Data Link



Run 4: Statistics of FillP-Sheep

Start at: 2019-01-18 20:18:52

End at: 2019-01-18 20:19:22

Local clock offset: -2.881 ms

Remote clock offset: 0.038 ms

Below is generated by plot.py at 2019-01-18 20:51:22

Datalink statistics

-- Total of 1 flow:

Average throughput: 94.75 Mbit/s

95th percentile per-packet one-way delay: 5.170 ms

Loss rate: 0.07%

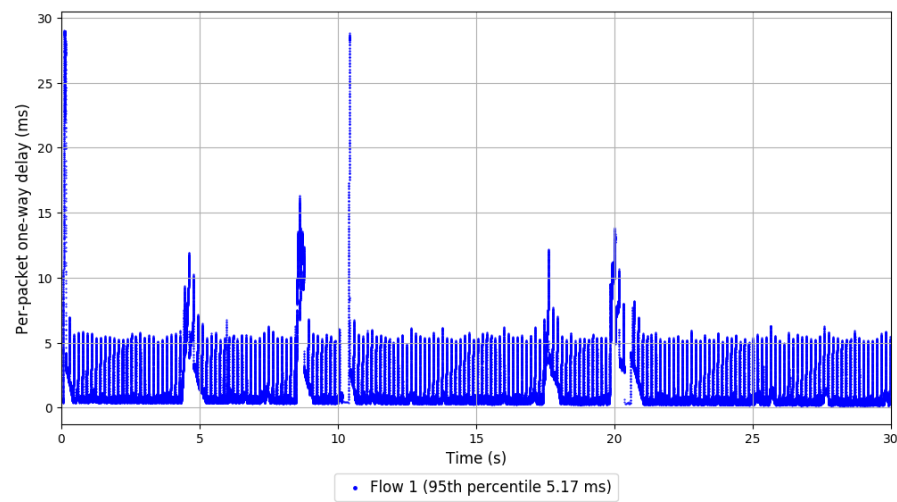
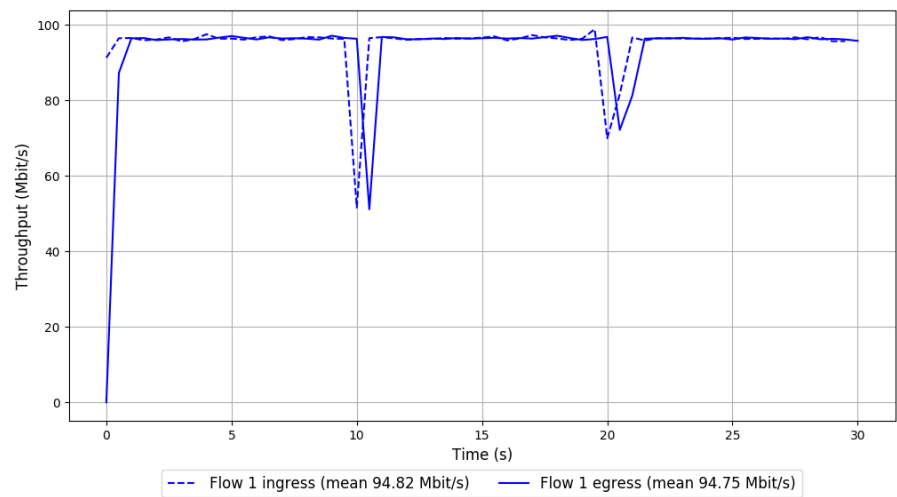
-- Flow 1:

Average throughput: 94.75 Mbit/s

95th percentile per-packet one-way delay: 5.170 ms

Loss rate: 0.07%

Run 4: Report of FillP-Sheep — Data Link

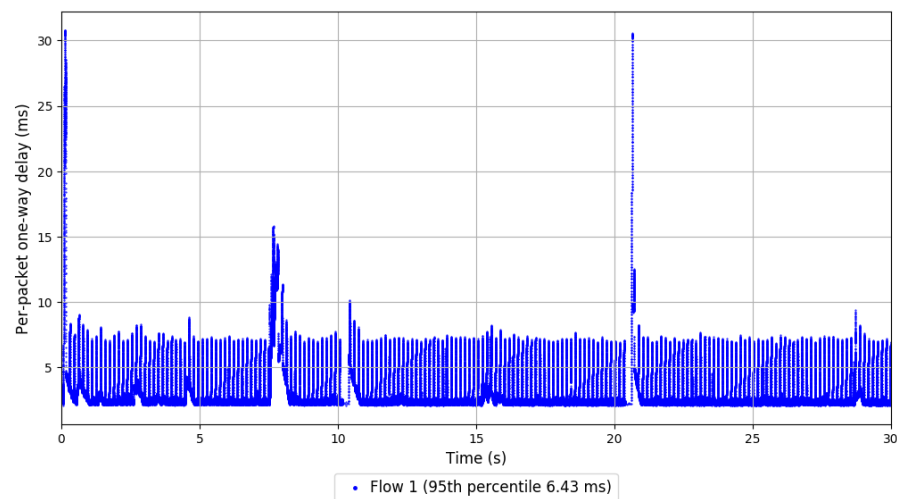
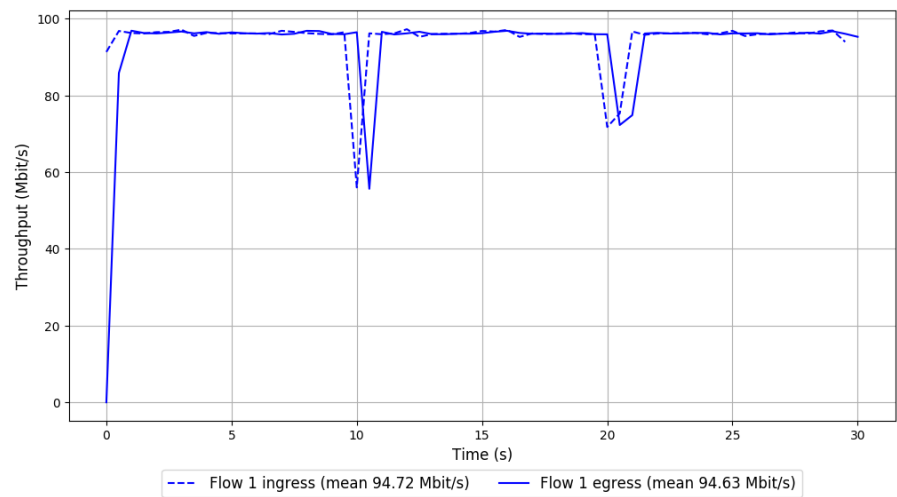


Run 5: Statistics of FillP-Sheep

Start at: 2019-01-18 20:42:19
End at: 2019-01-18 20:42:49
Local clock offset: -7.538 ms
Remote clock offset: -0.021 ms

Below is generated by plot.py at 2019-01-18 20:51:23
Datalink statistics
-- Total of 1 flow:
Average throughput: 94.63 Mbit/s
95th percentile per-packet one-way delay: 6.427 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 94.63 Mbit/s
95th percentile per-packet one-way delay: 6.427 ms
Loss rate: 0.09%

Run 5: Report of FillP-Sheep — Data Link



Run 1: Statistics of Indigo

Start at: 2019-01-18 19:03:58

End at: 2019-01-18 19:04:28

Local clock offset: -6.003 ms

Remote clock offset: 0.179 ms

Below is generated by plot.py at 2019-01-18 20:51:23

Datalink statistics

-- Total of 1 flow:

Average throughput: 97.33 Mbit/s

95th percentile per-packet one-way delay: 5.007 ms

Loss rate: 0.00%

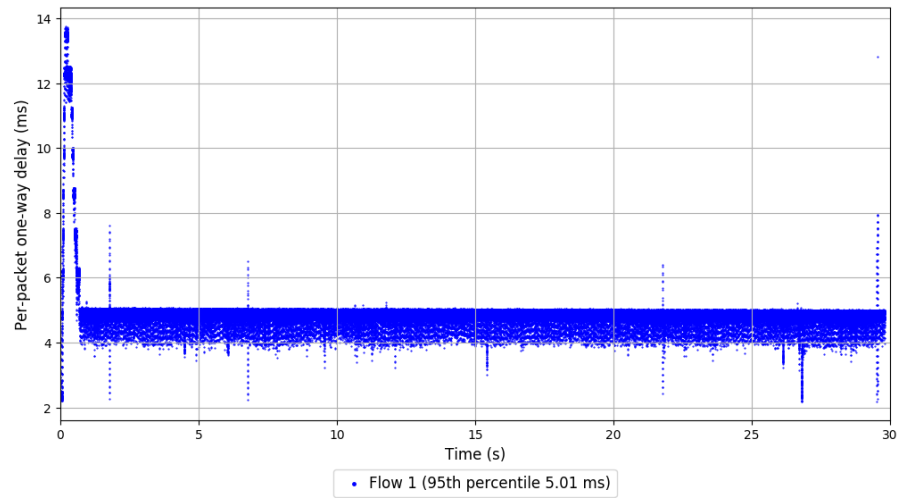
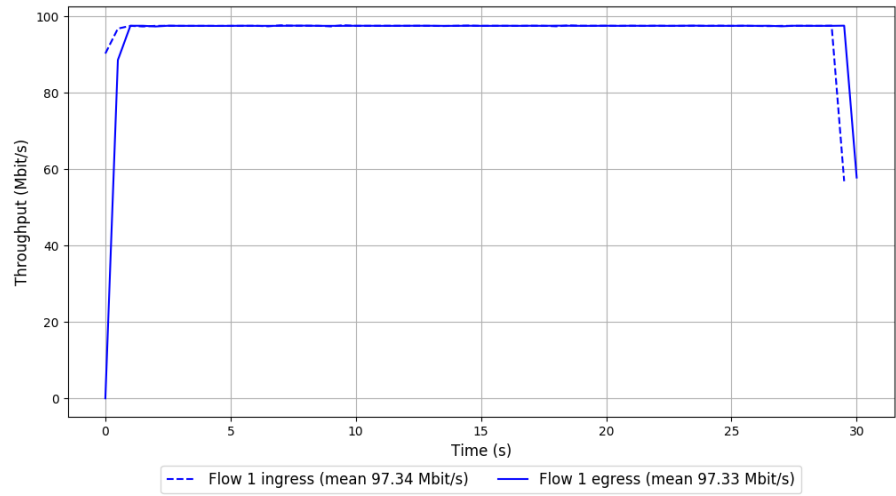
-- Flow 1:

Average throughput: 97.33 Mbit/s

95th percentile per-packet one-way delay: 5.007 ms

Loss rate: 0.00%

Run 1: Report of Indigo — Data Link



Run 2: Statistics of Indigo

Start at: 2019-01-18 19:27:25

End at: 2019-01-18 19:27:55

Local clock offset: -7.039 ms

Remote clock offset: 0.186 ms

Below is generated by plot.py at 2019-01-18 20:51:29

Datalink statistics

-- Total of 1 flow:

Average throughput: 97.36 Mbit/s

95th percentile per-packet one-way delay: 5.801 ms

Loss rate: 0.00%

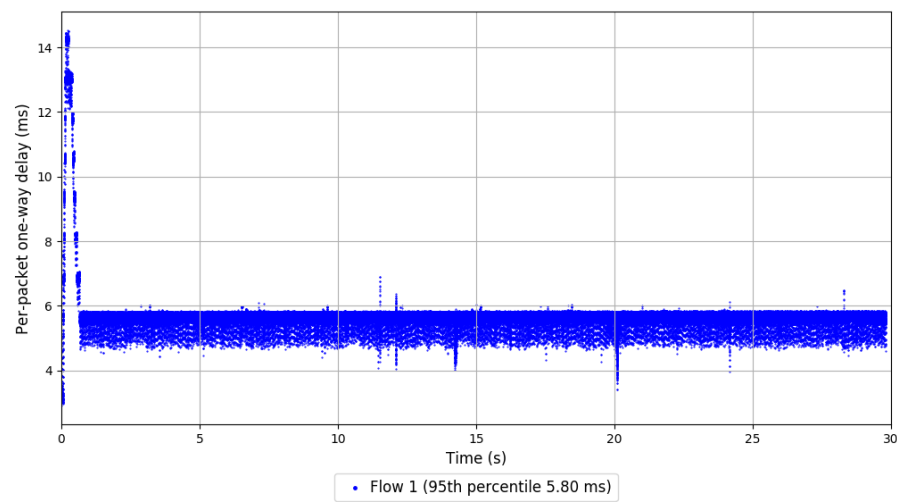
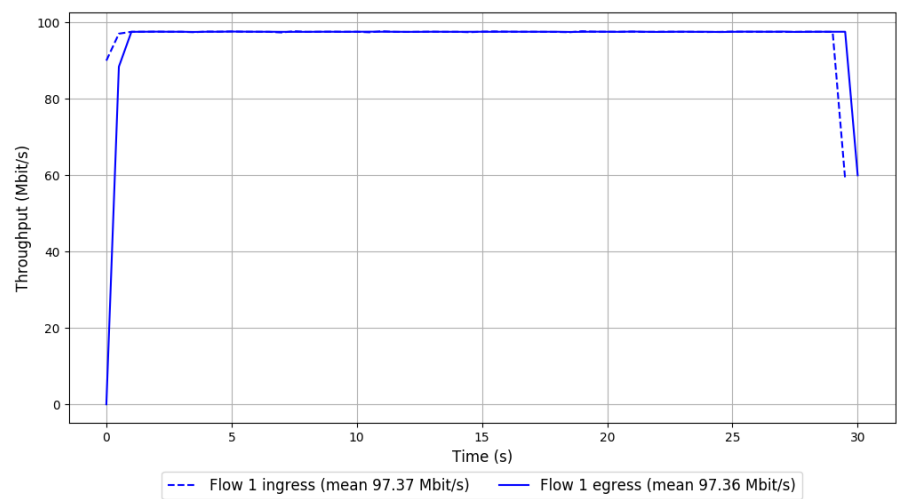
-- Flow 1:

Average throughput: 97.36 Mbit/s

95th percentile per-packet one-way delay: 5.801 ms

Loss rate: 0.00%

Run 2: Report of Indigo — Data Link



Run 3: Statistics of Indigo

Start at: 2019-01-18 19:50:52

End at: 2019-01-18 19:51:22

Local clock offset: -5.594 ms

Remote clock offset: 0.248 ms

Below is generated by plot.py at 2019-01-18 20:51:37

Datalink statistics

-- Total of 1 flow:

Average throughput: 96.30 Mbit/s

95th percentile per-packet one-way delay: 4.773 ms

Loss rate: 0.00%

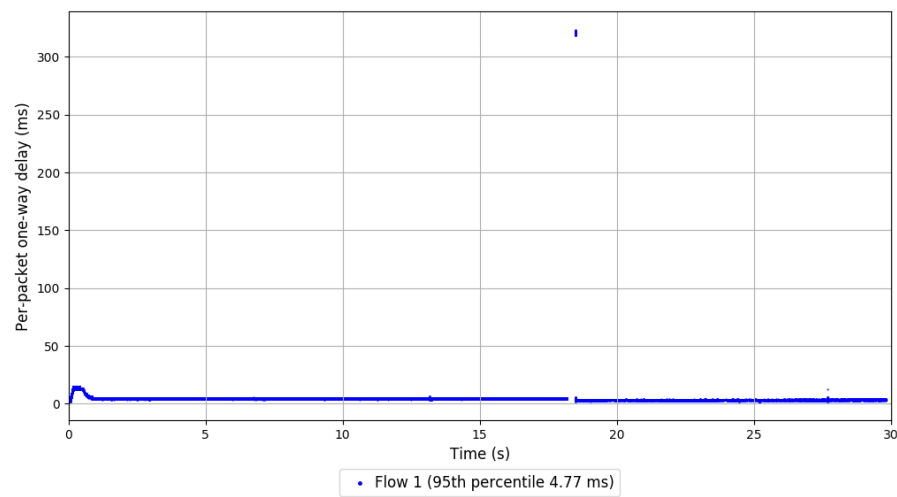
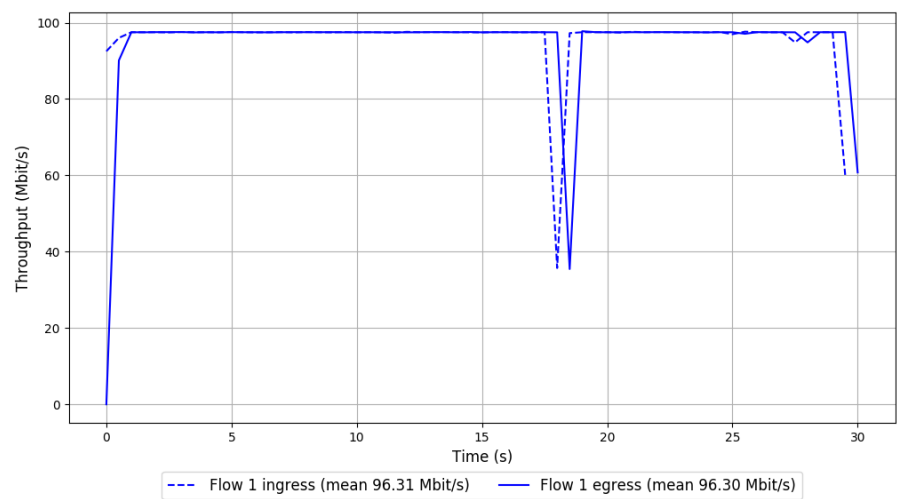
-- Flow 1:

Average throughput: 96.30 Mbit/s

95th percentile per-packet one-way delay: 4.773 ms

Loss rate: 0.00%

Run 3: Report of Indigo — Data Link



Run 4: Statistics of Indigo

Start at: 2019-01-18 20:14:20

End at: 2019-01-18 20:14:50

Local clock offset: -2.733 ms

Remote clock offset: 0.085 ms

Below is generated by plot.py at 2019-01-18 20:51:39

Datalink statistics

-- Total of 1 flow:

Average throughput: 97.16 Mbit/s

95th percentile per-packet one-way delay: 4.559 ms

Loss rate: 0.00%

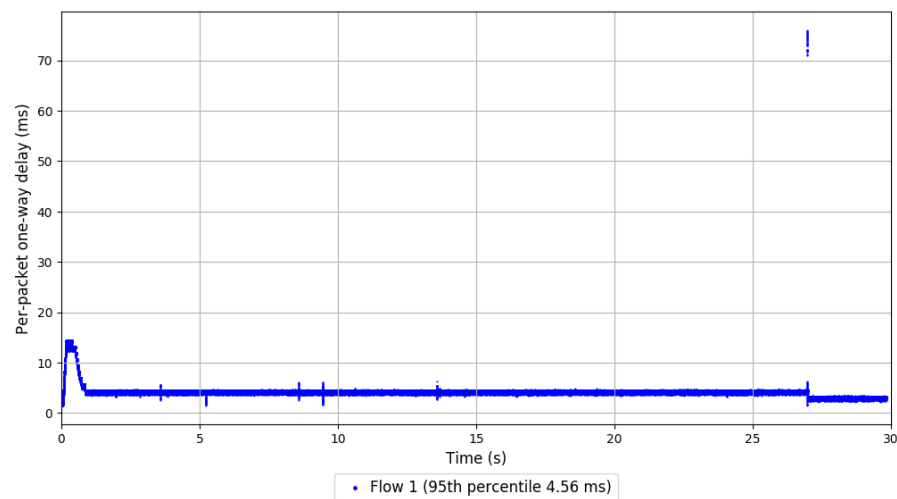
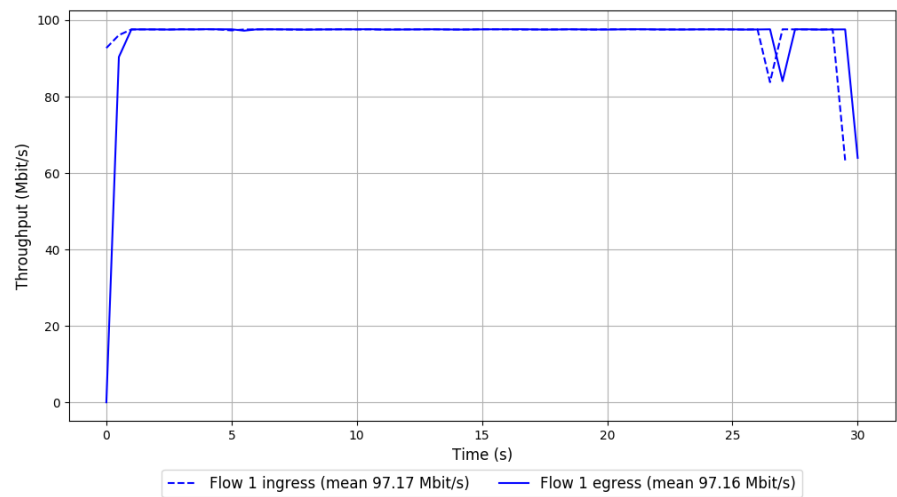
-- Flow 1:

Average throughput: 97.16 Mbit/s

95th percentile per-packet one-way delay: 4.559 ms

Loss rate: 0.00%

Run 4: Report of Indigo — Data Link



Run 5: Statistics of Indigo

Start at: 2019-01-18 20:37:47

End at: 2019-01-18 20:38:17

Local clock offset: -7.132 ms

Remote clock offset: 0.115 ms

Below is generated by plot.py at 2019-01-18 20:52:18

Datalink statistics

-- Total of 1 flow:

Average throughput: 96.51 Mbit/s

95th percentile per-packet one-way delay: 3.850 ms

Loss rate: 0.00%

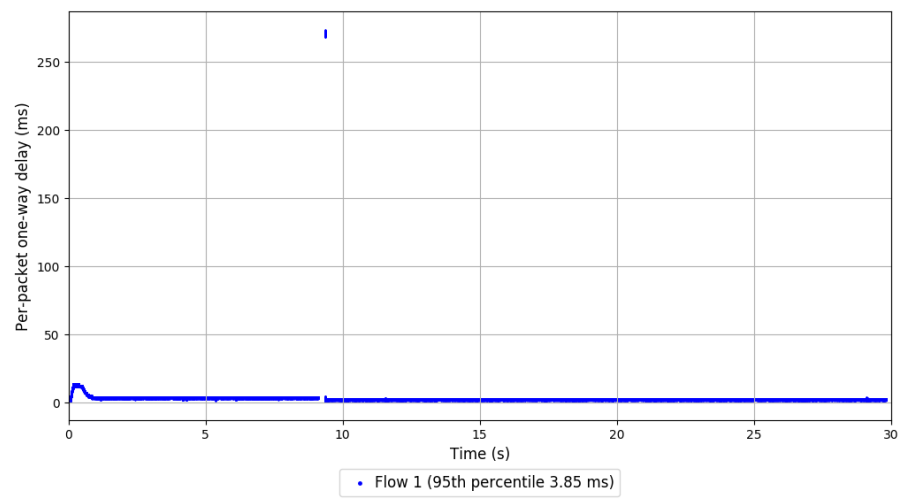
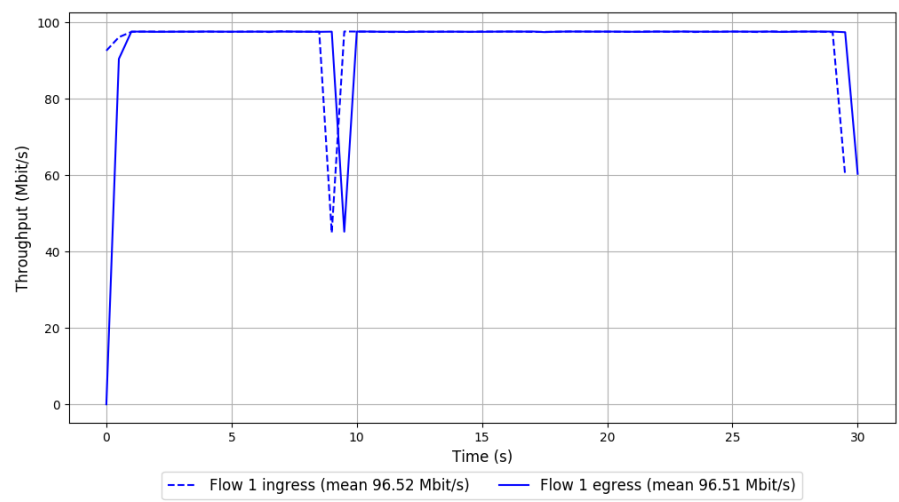
-- Flow 1:

Average throughput: 96.51 Mbit/s

95th percentile per-packet one-way delay: 3.850 ms

Loss rate: 0.00%

Run 5: Report of Indigo — Data Link



Run 1: Statistics of Indigo-MusesC3

Start at: 2019-01-18 18:58:23

End at: 2019-01-18 18:58:53

Local clock offset: -5.026 ms

Remote clock offset: 0.305 ms

Below is generated by plot.py at 2019-01-18 20:52:19

Datalink statistics

-- Total of 1 flow:

Average throughput: 97.00 Mbit/s

95th percentile per-packet one-way delay: 2.983 ms

Loss rate: 0.00%

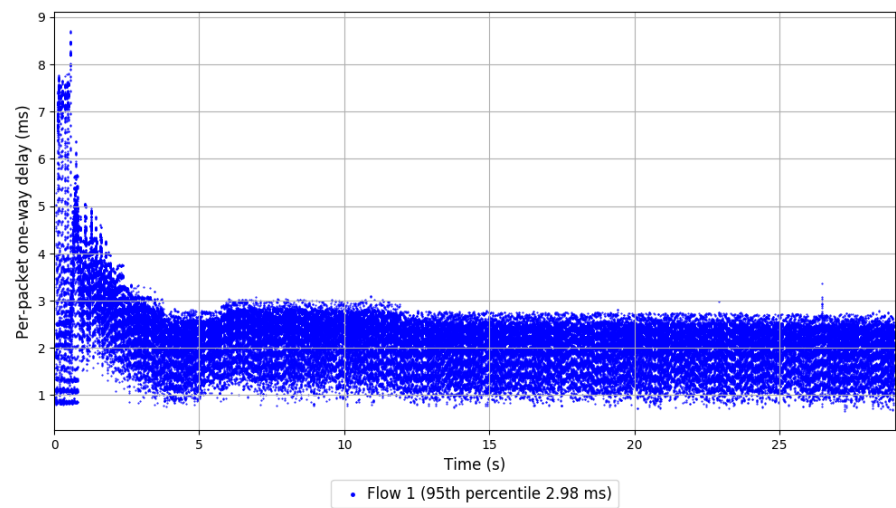
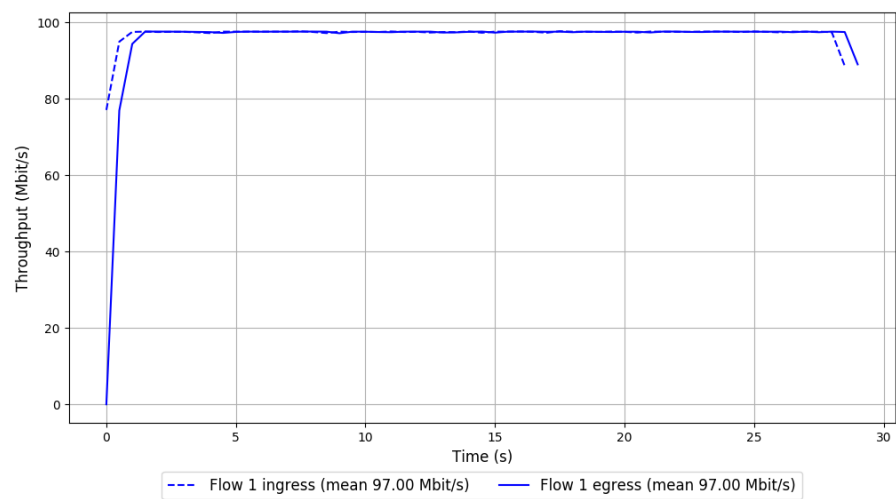
-- Flow 1:

Average throughput: 97.00 Mbit/s

95th percentile per-packet one-way delay: 2.983 ms

Loss rate: 0.00%

Run 1: Report of Indigo-MusesC3 — Data Link



Run 2: Statistics of Indigo-MusesC3

Start at: 2019-01-18 19:21:50

End at: 2019-01-18 19:22:20

Local clock offset: -6.564 ms

Remote clock offset: 0.236 ms

Below is generated by plot.py at 2019-01-18 20:52:22

Datalink statistics

-- Total of 1 flow:

Average throughput: 96.98 Mbit/s

95th percentile per-packet one-way delay: 2.872 ms

Loss rate: 0.00%

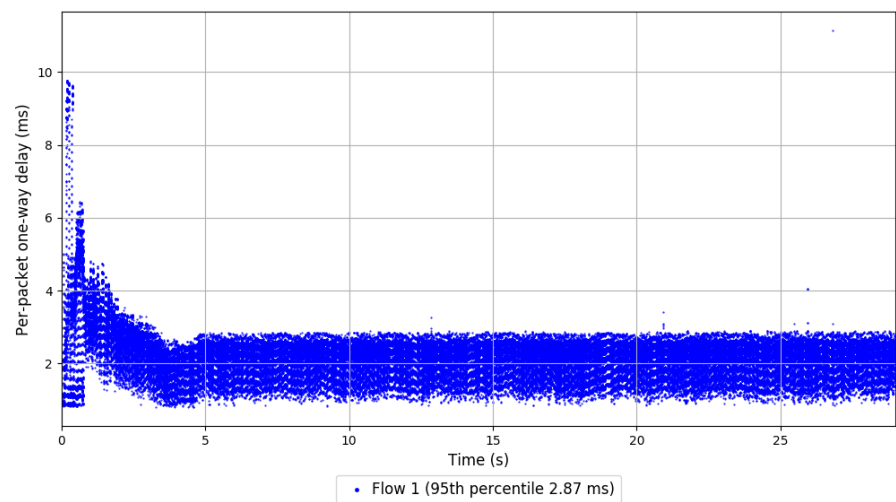
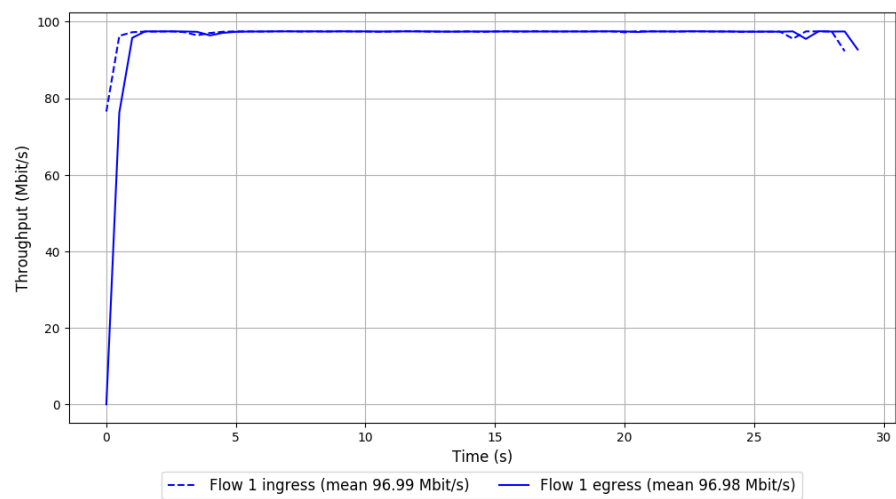
-- Flow 1:

Average throughput: 96.98 Mbit/s

95th percentile per-packet one-way delay: 2.872 ms

Loss rate: 0.00%

Run 2: Report of Indigo-MusesC3 — Data Link



Run 3: Statistics of Indigo-MusesC3

Start at: 2019-01-18 19:45:18

End at: 2019-01-18 19:45:48

Local clock offset: -6.218 ms

Remote clock offset: 0.298 ms

Below is generated by plot.py at 2019-01-18 20:52:26

Datalink statistics

-- Total of 1 flow:

Average throughput: 92.05 Mbit/s

95th percentile per-packet one-way delay: 3.611 ms

Loss rate: 0.00%

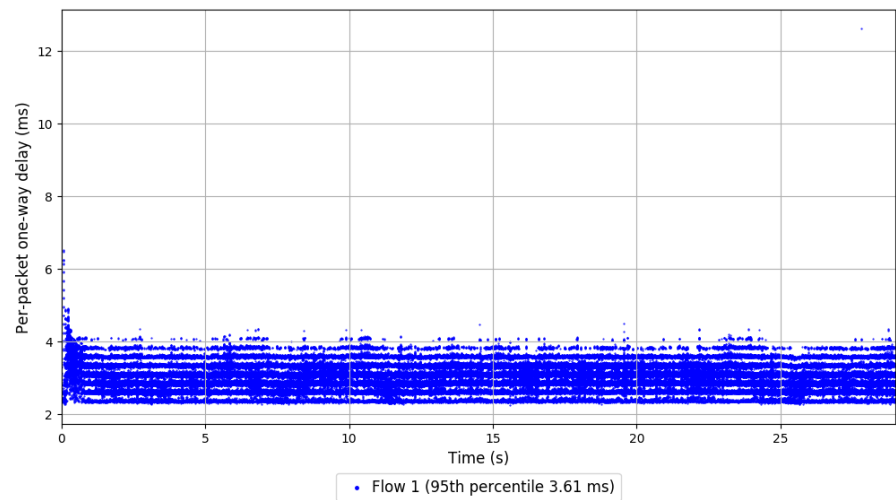
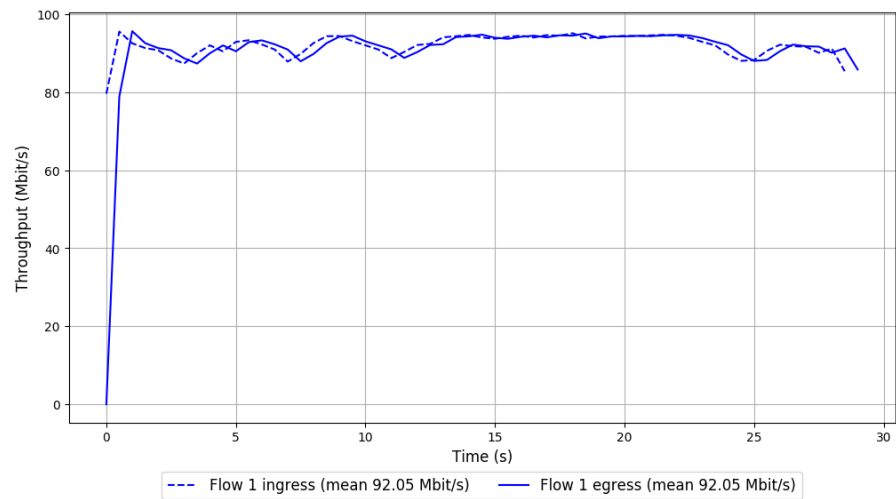
-- Flow 1:

Average throughput: 92.05 Mbit/s

95th percentile per-packet one-way delay: 3.611 ms

Loss rate: 0.00%

Run 3: Report of Indigo-MusesC3 — Data Link



Run 4: Statistics of Indigo-MusesC3

Start at: 2019-01-18 20:08:45

End at: 2019-01-18 20:09:15

Local clock offset: -3.085 ms

Remote clock offset: 0.122 ms

Below is generated by plot.py at 2019-01-18 20:52:28

Datalink statistics

-- Total of 1 flow:

Average throughput: 93.47 Mbit/s

95th percentile per-packet one-way delay: 4.338 ms

Loss rate: 0.00%

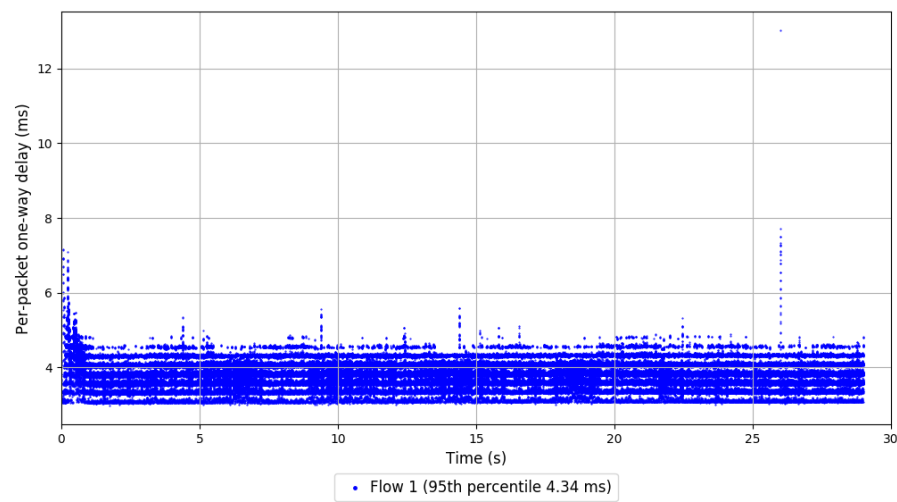
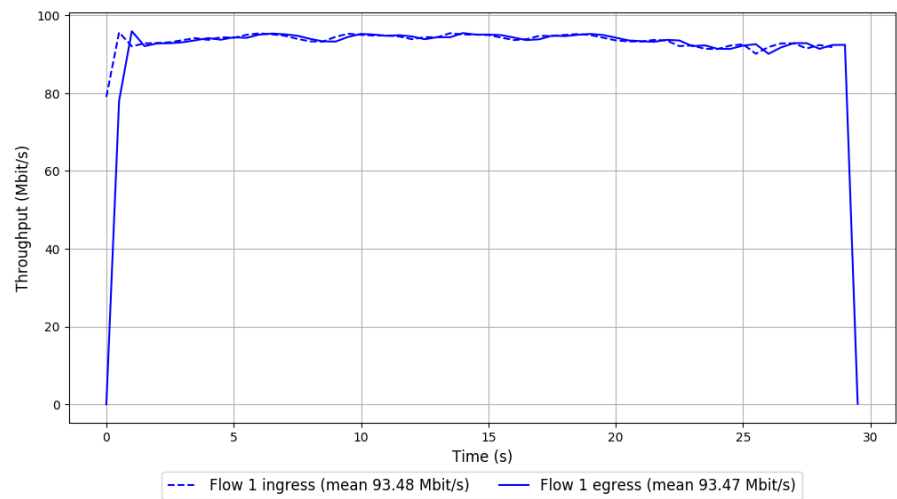
-- Flow 1:

Average throughput: 93.47 Mbit/s

95th percentile per-packet one-way delay: 4.338 ms

Loss rate: 0.00%

Run 4: Report of Indigo-MusesC3 — Data Link



Run 5: Statistics of Indigo-MusesC3

Start at: 2019-01-18 20:32:13

End at: 2019-01-18 20:32:43

Local clock offset: -6.602 ms

Remote clock offset: 0.119 ms

Below is generated by plot.py at 2019-01-18 20:52:33

Datalink statistics

-- Total of 1 flow:

Average throughput: 94.17 Mbit/s

95th percentile per-packet one-way delay: 3.819 ms

Loss rate: 0.00%

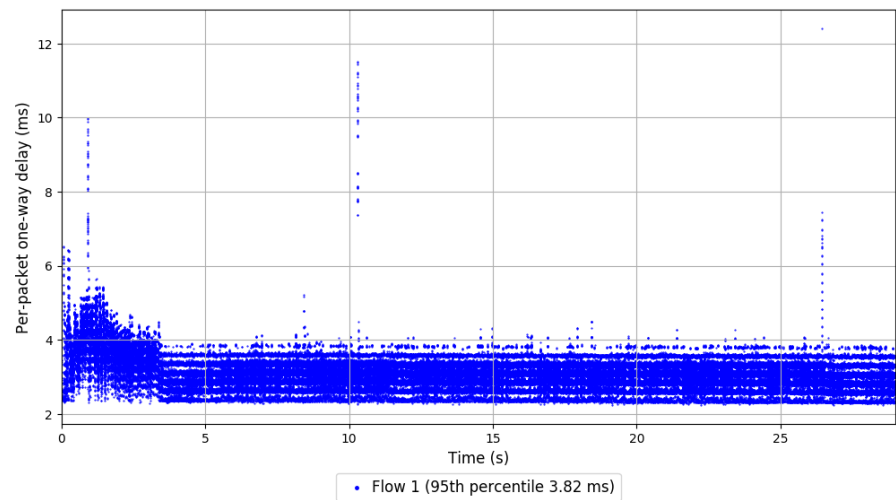
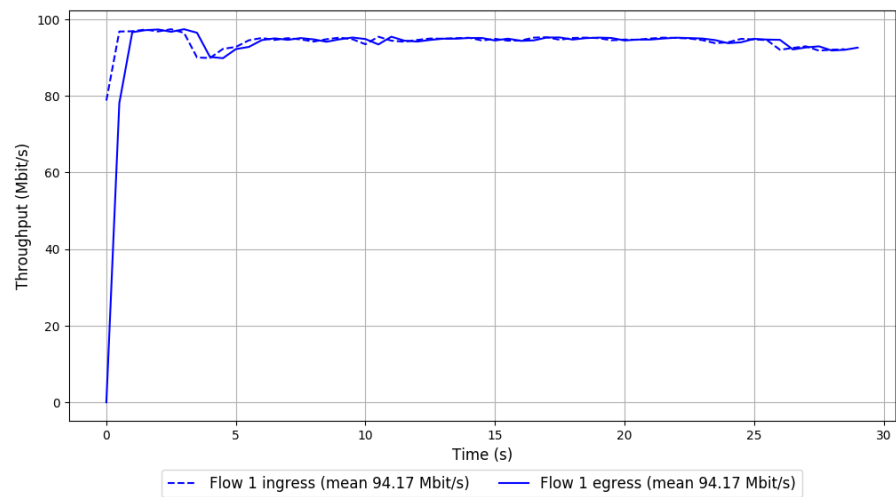
-- Flow 1:

Average throughput: 94.17 Mbit/s

95th percentile per-packet one-way delay: 3.819 ms

Loss rate: 0.00%

Run 5: Report of Indigo-MusesC3 — Data Link



Run 1: Statistics of Indigo-MusesC5

Start at: 2019-01-18 18:50:38

End at: 2019-01-18 18:51:08

Local clock offset: -2.483 ms

Remote clock offset: 0.285 ms

Below is generated by plot.py at 2019-01-18 20:52:33

Datalink statistics

-- Total of 1 flow:

Average throughput: 46.68 Mbit/s

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

Loss rate: 0.00%

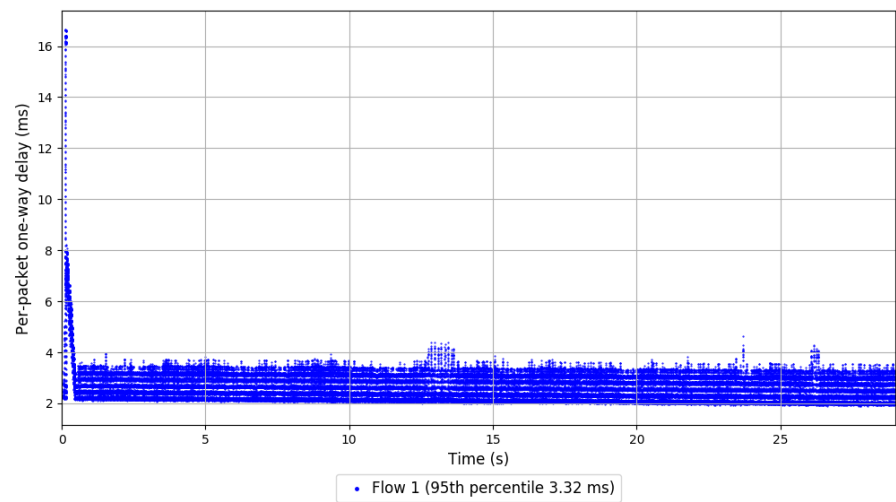
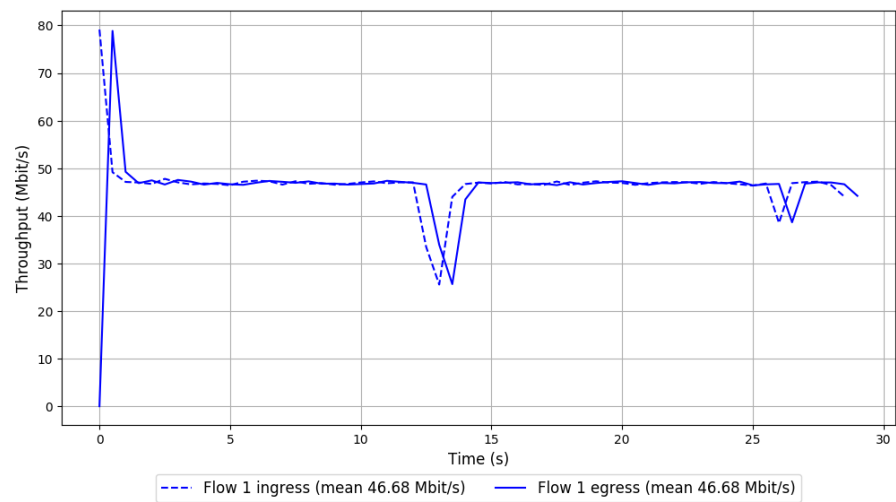
-- Flow 1:

Average throughput: 46.68 Mbit/s

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

Loss rate: 0.00%

Run 1: Report of Indigo-MusesC5 — Data Link



Run 2: Statistics of Indigo-MusesC5

Start at: 2019-01-18 19:14:05

End at: 2019-01-18 19:14:35

Local clock offset: -6.863 ms

Remote clock offset: 0.293 ms

Below is generated by plot.py at 2019-01-18 20:52:33

Datalink statistics

-- Total of 1 flow:

Average throughput: 56.07 Mbit/s

95th percentile per-packet one-way delay: 2.417 ms

Loss rate: 0.00%

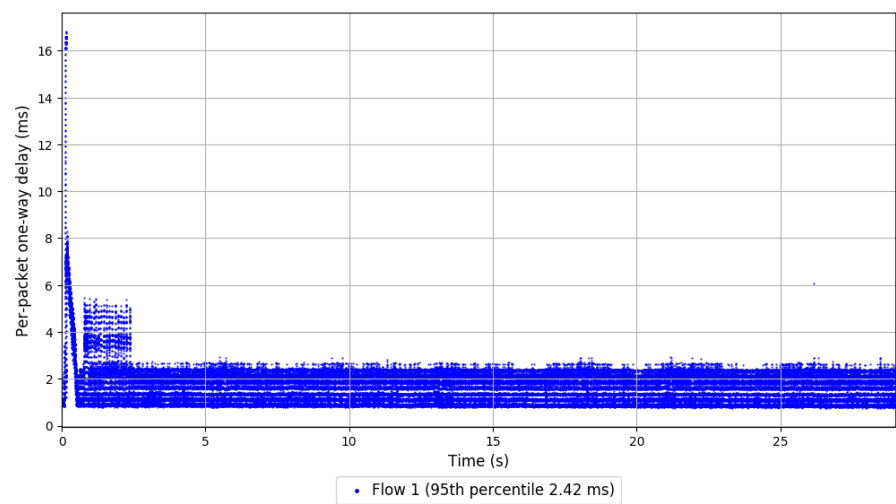
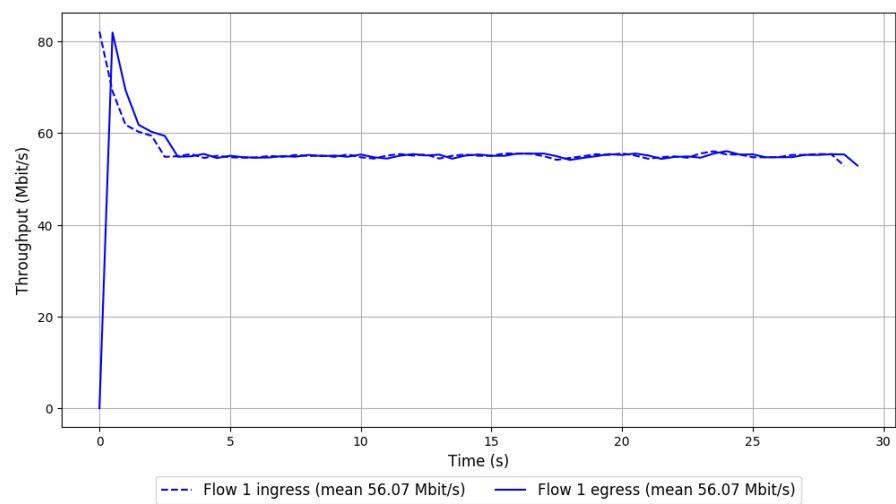
-- Flow 1:

Average throughput: 56.07 Mbit/s

95th percentile per-packet one-way delay: 2.417 ms

Loss rate: 0.00%

Run 2: Report of Indigo-MusesC5 — Data Link



Run 3: Statistics of Indigo-MusesC5

Start at: 2019-01-18 19:37:33

End at: 2019-01-18 19:38:03

Local clock offset: -6.161 ms

Remote clock offset: 0.269 ms

Below is generated by plot.py at 2019-01-18 20:52:36

Datalink statistics

-- Total of 1 flow:

Average throughput: 34.55 Mbit/s

95th percentile per-packet one-way delay: 4.408 ms

Loss rate: 0.00%

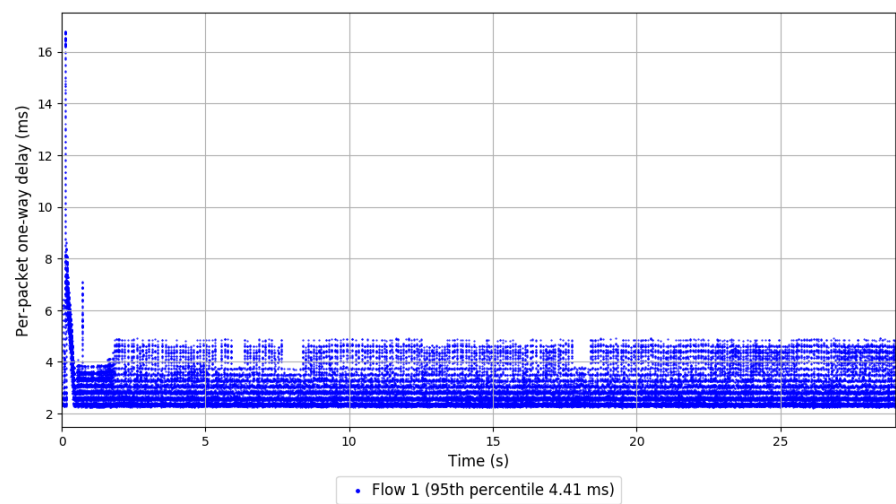
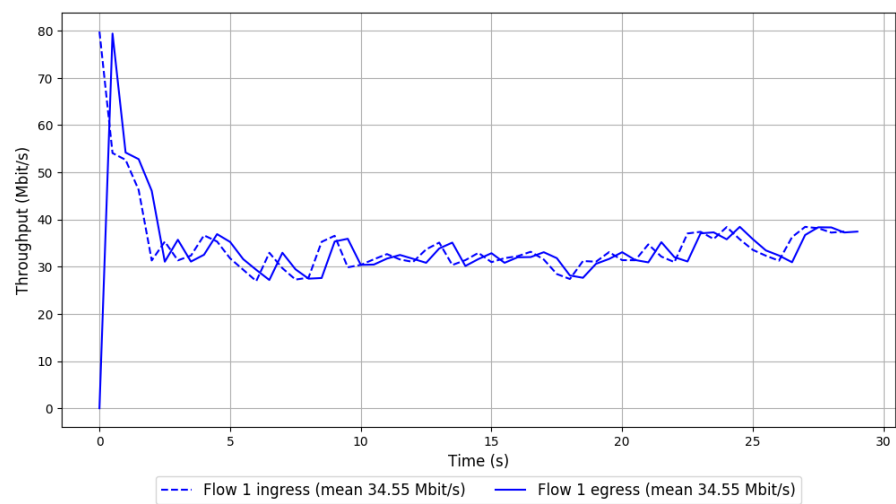
-- Flow 1:

Average throughput: 34.55 Mbit/s

95th percentile per-packet one-way delay: 4.408 ms

Loss rate: 0.00%

Run 3: Report of Indigo-MusesC5 — Data Link



Run 4: Statistics of Indigo-MusesC5

Start at: 2019-01-18 20:01:00

End at: 2019-01-18 20:01:30

Local clock offset: -3.69 ms

Remote clock offset: 0.199 ms

Below is generated by plot.py at 2019-01-18 20:52:40

Datalink statistics

-- Total of 1 flow:

Average throughput: 38.79 Mbit/s

95th percentile per-packet one-way delay: 3.606 ms

Loss rate: 0.00%

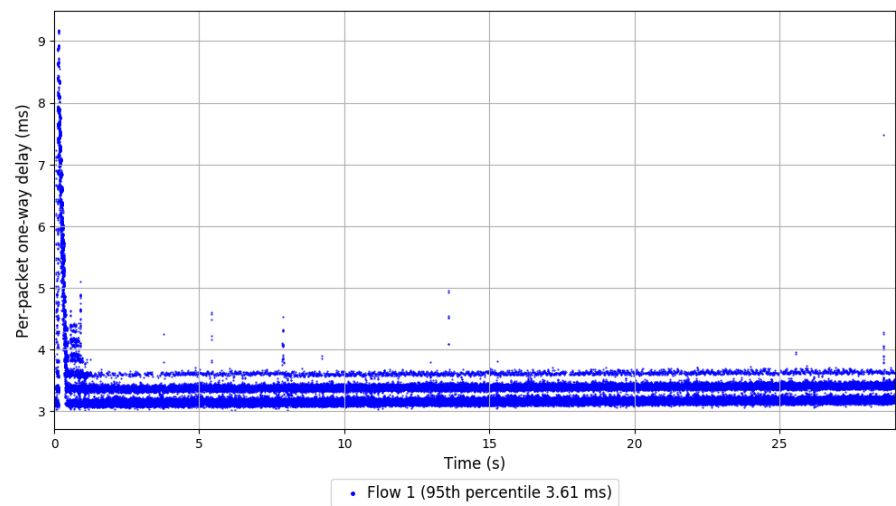
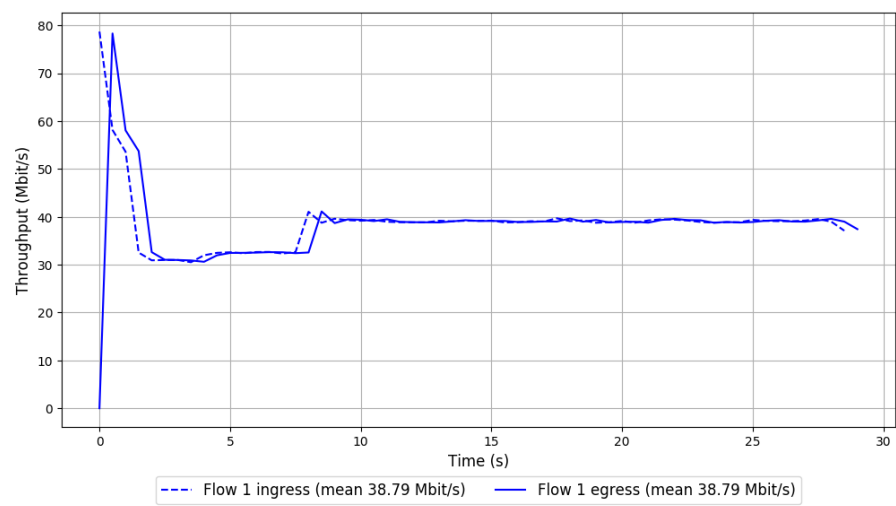
-- Flow 1:

Average throughput: 38.79 Mbit/s

95th percentile per-packet one-way delay: 3.606 ms

Loss rate: 0.00%

Run 4: Report of Indigo-MusesC5 — Data Link



Run 5: Statistics of Indigo-MusesC5

Start at: 2019-01-18 20:24:28

End at: 2019-01-18 20:24:58

Local clock offset: -4.984 ms

Remote clock offset: 0.102 ms

Below is generated by plot.py at 2019-01-18 20:52:55

Datalink statistics

-- Total of 1 flow:

Average throughput: 57.02 Mbit/s

95th percentile per-packet one-way delay: 2.173 ms

Loss rate: 0.00%

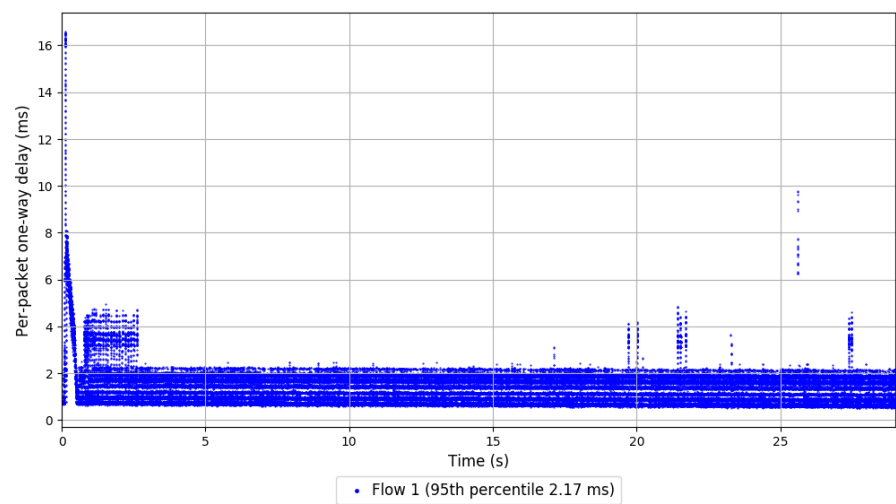
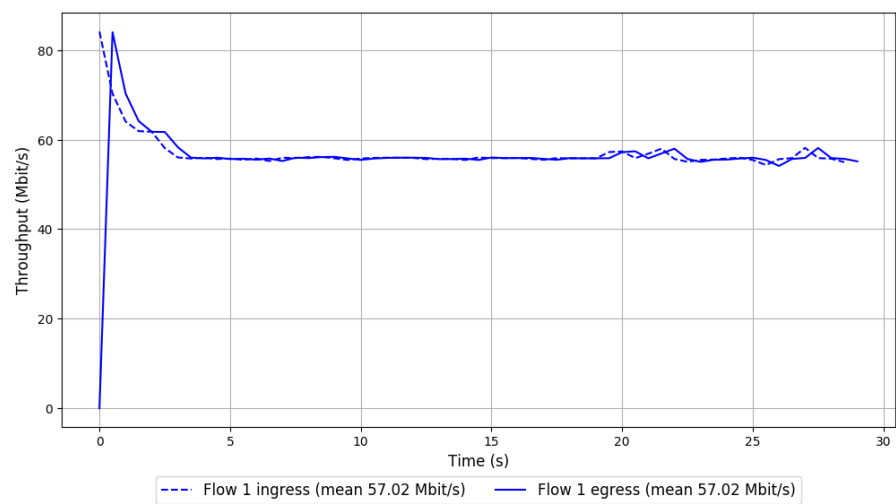
-- Flow 1:

Average throughput: 57.02 Mbit/s

95th percentile per-packet one-way delay: 2.173 ms

Loss rate: 0.00%

Run 5: Report of Indigo-MusesC5 — Data Link



Run 1: Statistics of Indigo-MusesD

Start at: 2019-01-18 19:09:37

End at: 2019-01-18 19:10:07

Local clock offset: -7.315 ms

Remote clock offset: 0.242 ms

Below is generated by plot.py at 2019-01-18 20:53:11

Datalink statistics

-- Total of 1 flow:

Average throughput: 77.25 Mbit/s

95th percentile per-packet one-way delay: 2.292 ms

Loss rate: 0.00%

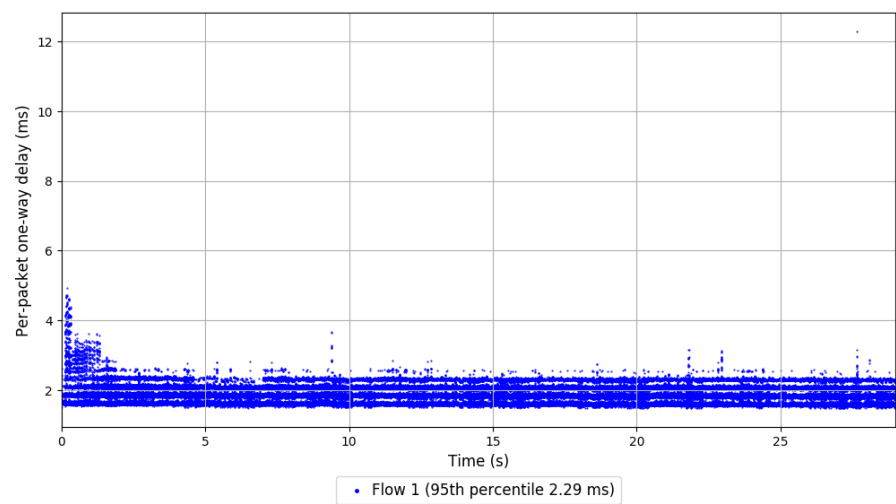
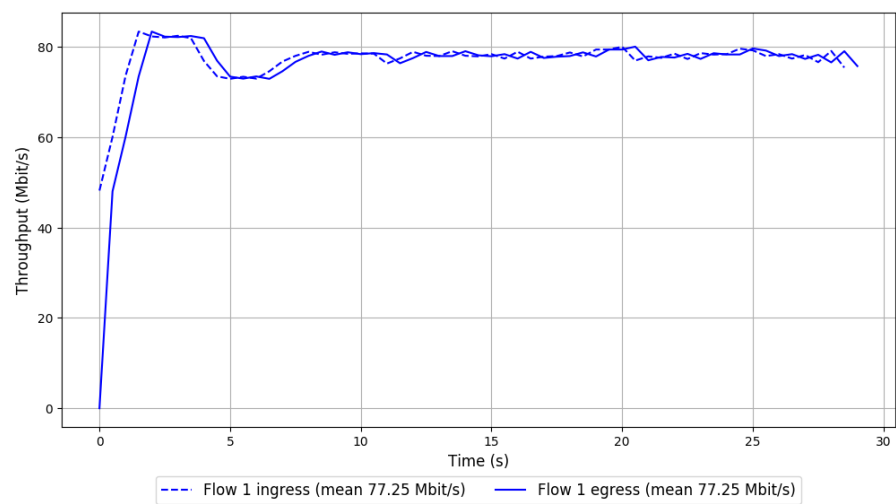
-- Flow 1:

Average throughput: 77.25 Mbit/s

95th percentile per-packet one-way delay: 2.292 ms

Loss rate: 0.00%

Run 1: Report of Indigo-MusesD — Data Link



Run 2: Statistics of Indigo-MusesD

Start at: 2019-01-18 19:33:04

End at: 2019-01-18 19:33:34

Local clock offset: -6.917 ms

Remote clock offset: 0.309 ms

Below is generated by plot.py at 2019-01-18 20:53:11

Datalink statistics

-- Total of 1 flow:

Average throughput: 52.24 Mbit/s

95th percentile per-packet one-way delay: 3.630 ms

Loss rate: 0.00%

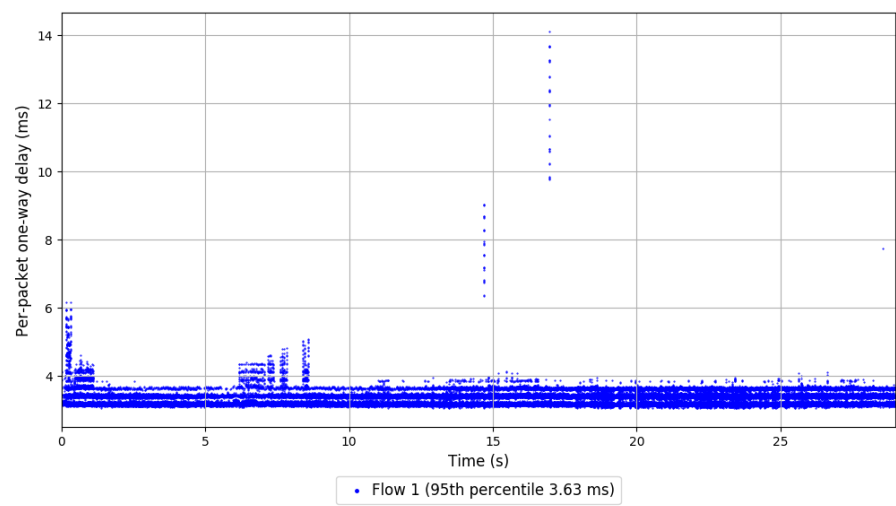
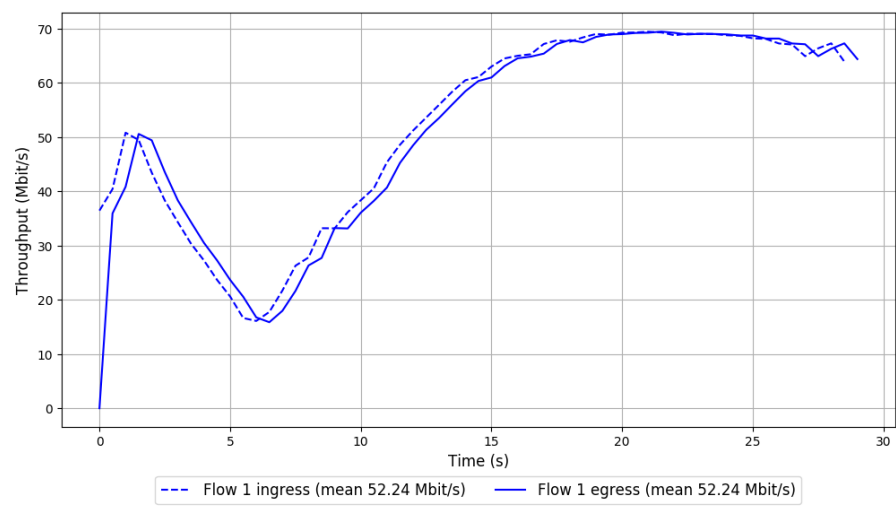
-- Flow 1:

Average throughput: 52.24 Mbit/s

95th percentile per-packet one-way delay: 3.630 ms

Loss rate: 0.00%

Run 2: Report of Indigo-MusesD — Data Link



Run 3: Statistics of Indigo-MusesD

Start at: 2019-01-18 19:56:31

End at: 2019-01-18 19:57:01

Local clock offset: -3.575 ms

Remote clock offset: 0.22 ms

Below is generated by plot.py at 2019-01-18 20:53:11

Datalink statistics

-- Total of 1 flow:

Average throughput: 51.83 Mbit/s

95th percentile per-packet one-way delay: 2.946 ms

Loss rate: 0.00%

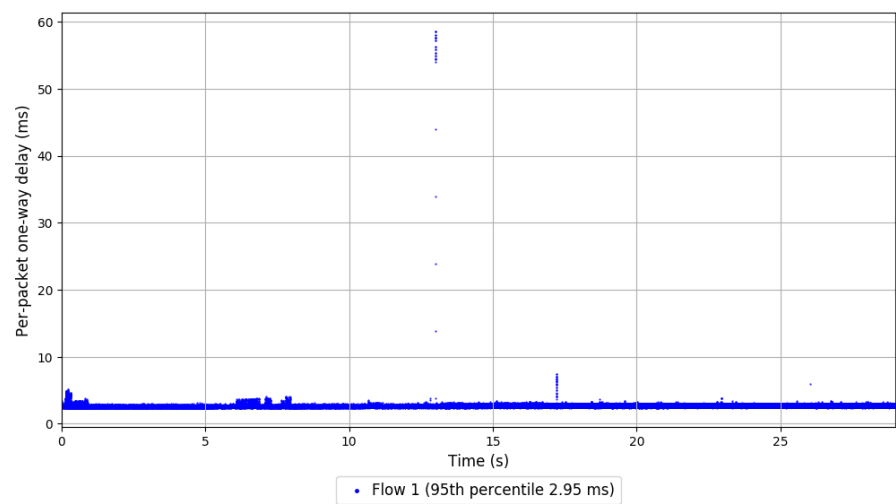
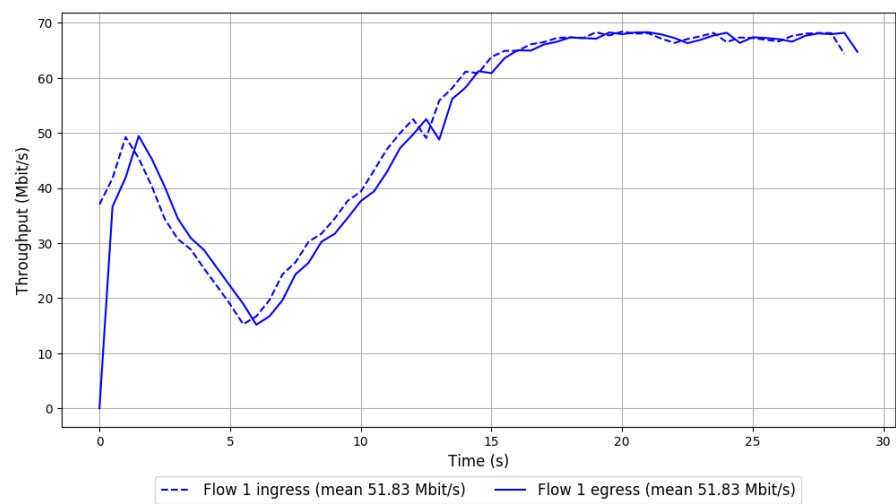
-- Flow 1:

Average throughput: 51.83 Mbit/s

95th percentile per-packet one-way delay: 2.946 ms

Loss rate: 0.00%

Run 3: Report of Indigo-MusesD — Data Link



Run 4: Statistics of Indigo-MusesD

Start at: 2019-01-18 20:19:59

End at: 2019-01-18 20:20:29

Local clock offset: -3.362 ms

Remote clock offset: 0.107 ms

Below is generated by plot.py at 2019-01-18 20:53:11

Datalink statistics

-- Total of 1 flow:

Average throughput: 47.35 Mbit/s

95th percentile per-packet one-way delay: 2.434 ms

Loss rate: 0.00%

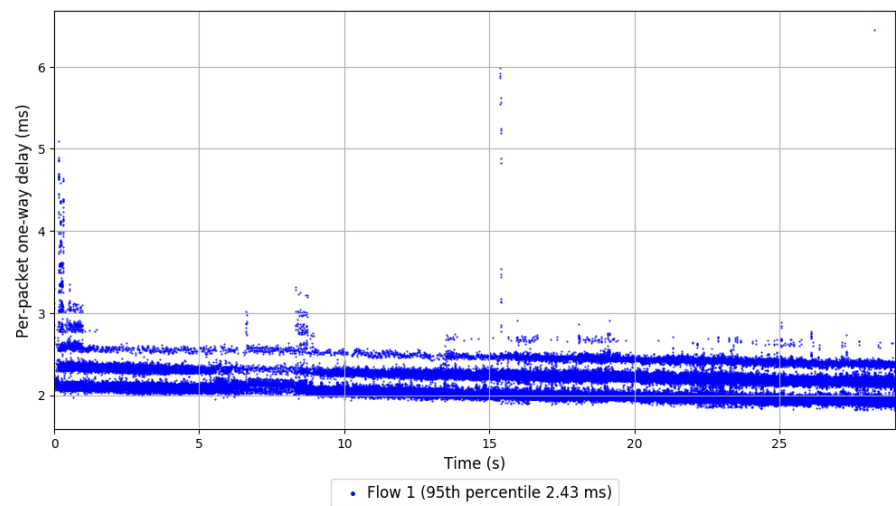
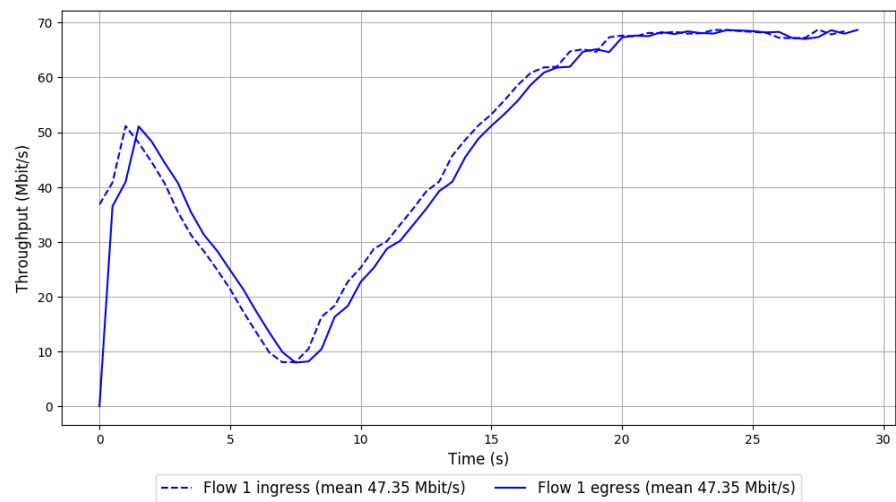
-- Flow 1:

Average throughput: 47.35 Mbit/s

95th percentile per-packet one-way delay: 2.434 ms

Loss rate: 0.00%

Run 4: Report of Indigo-MusesD — Data Link

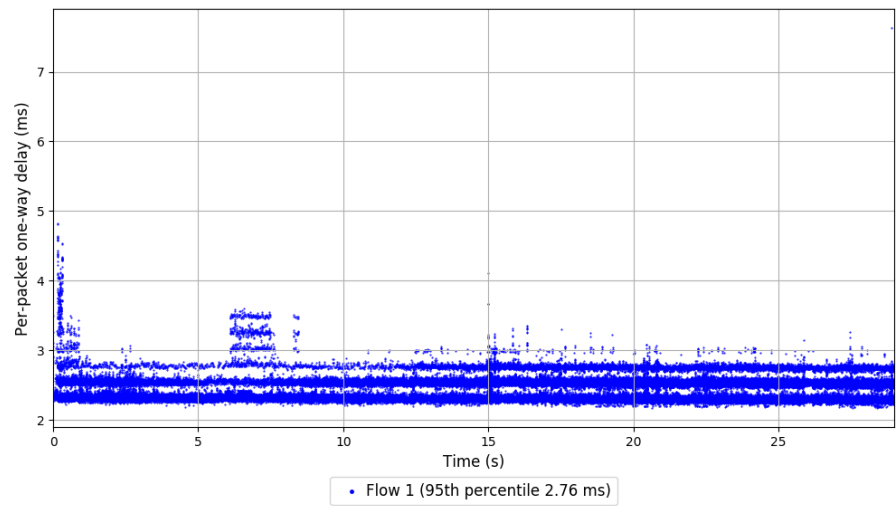
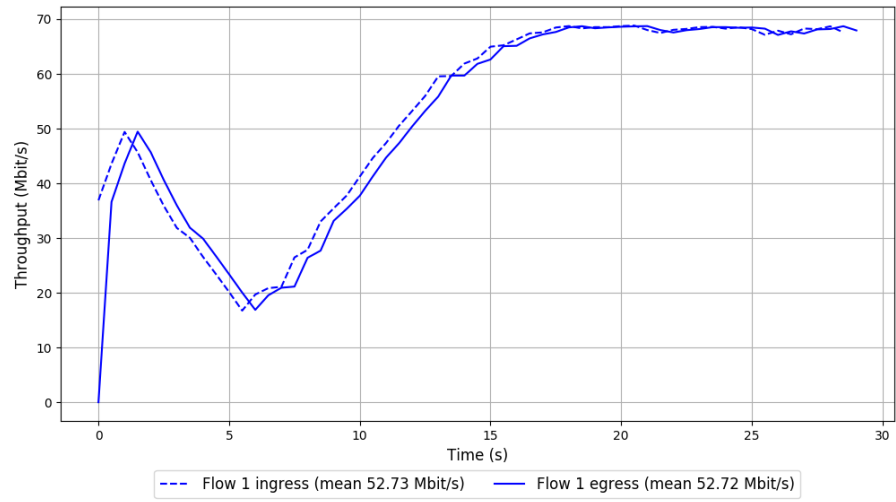


Run 5: Statistics of Indigo-MusesD

Start at: 2019-01-18 20:43:26
End at: 2019-01-18 20:43:56
Local clock offset: -7.625 ms
Remote clock offset: -0.052 ms

Below is generated by plot.py at 2019-01-18 20:53:11
Datalink statistics
-- Total of 1 flow:
Average throughput: 52.72 Mbit/s
95th percentile per-packet one-way delay: 2.763 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 52.72 Mbit/s
95th percentile per-packet one-way delay: 2.763 ms
Loss rate: 0.00%

Run 5: Report of Indigo-MusesD — Data Link

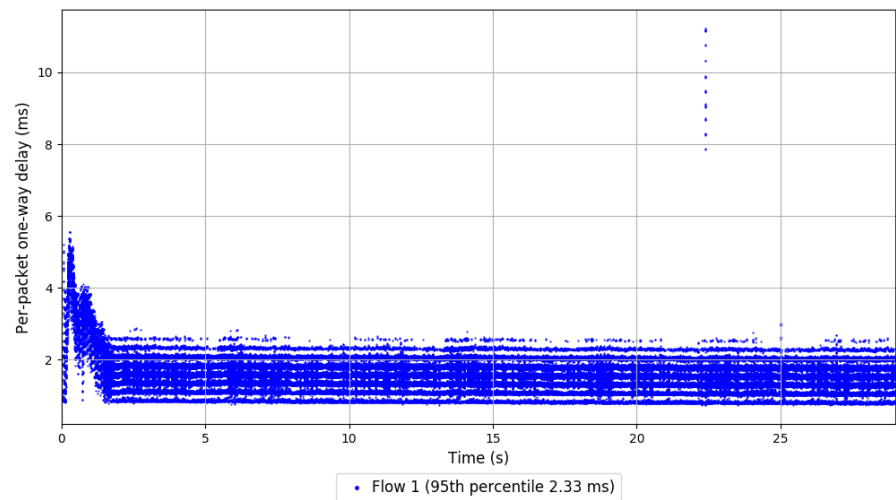
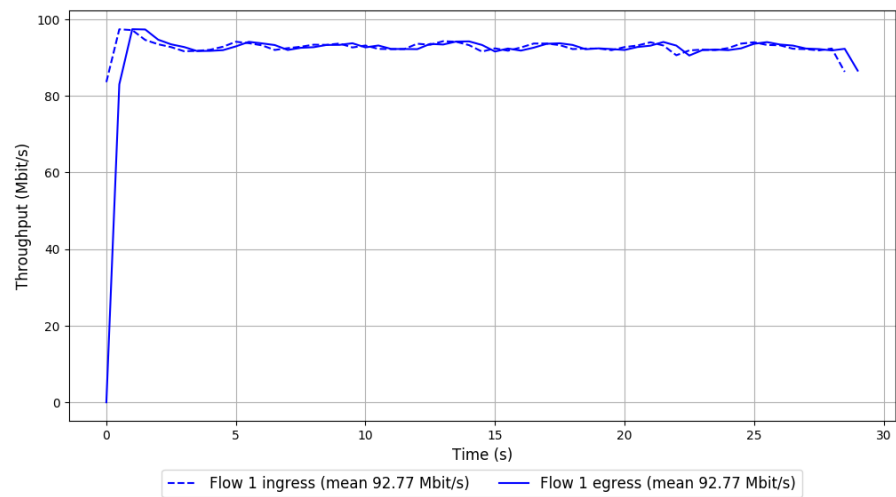


```
Run 1: Statistics of Indigo-MusesT

Start at: 2019-01-18 19:02:50
End at: 2019-01-18 19:03:20
Local clock offset: -5.847 ms
Remote clock offset: 0.232 ms

# Below is generated by plot.py at 2019-01-18 20:53:36
# Datalink statistics
-- Total of 1 flow:
Average throughput: 92.77 Mbit/s
95th percentile per-packet one-way delay: 2.333 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 92.77 Mbit/s
95th percentile per-packet one-way delay: 2.333 ms
Loss rate: 0.00%
```

Run 1: Report of Indigo-MusesT — Data Link



Run 2: Statistics of Indigo-MusesT

Start at: 2019-01-18 19:26:17

End at: 2019-01-18 19:26:47

Local clock offset: -6.405 ms

Remote clock offset: 0.156 ms

Below is generated by plot.py at 2019-01-18 20:53:45

Datalink statistics

-- Total of 1 flow:

Average throughput: 93.12 Mbit/s

95th percentile per-packet one-way delay: 2.418 ms

Loss rate: 0.00%

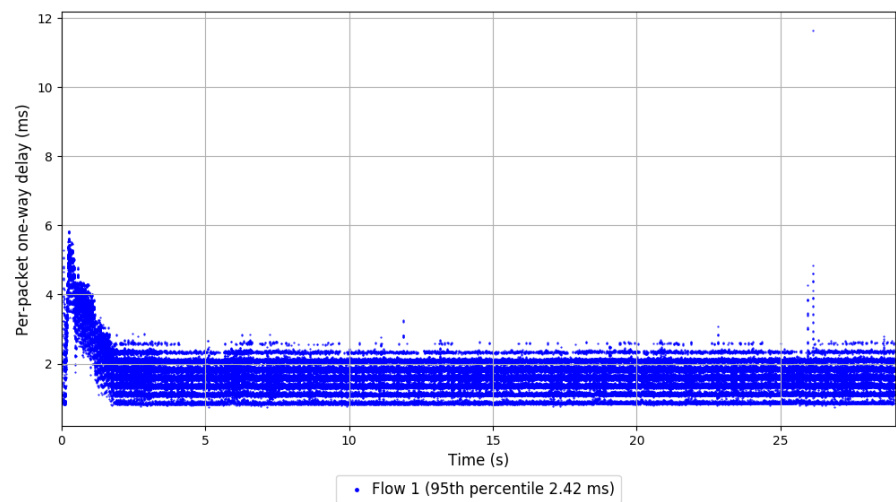
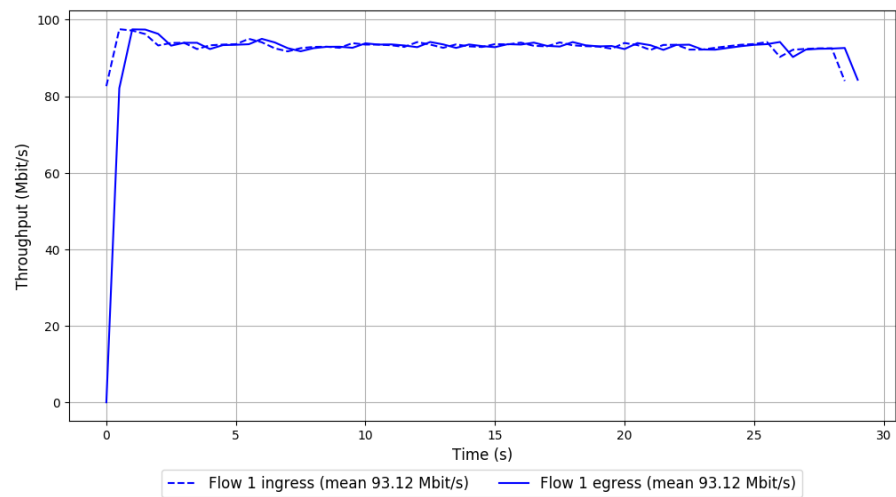
-- Flow 1:

Average throughput: 93.12 Mbit/s

95th percentile per-packet one-way delay: 2.418 ms

Loss rate: 0.00%

Run 2: Report of Indigo-MusesT — Data Link



Run 3: Statistics of Indigo-MusesT

Start at: 2019-01-18 19:49:44

End at: 2019-01-18 19:50:14

Local clock offset: -5.227 ms

Remote clock offset: 0.188 ms

Below is generated by plot.py at 2019-01-18 20:53:52

Datalink statistics

-- Total of 1 flow:

Average throughput: 84.99 Mbit/s

95th percentile per-packet one-way delay: 3.576 ms

Loss rate: 0.00%

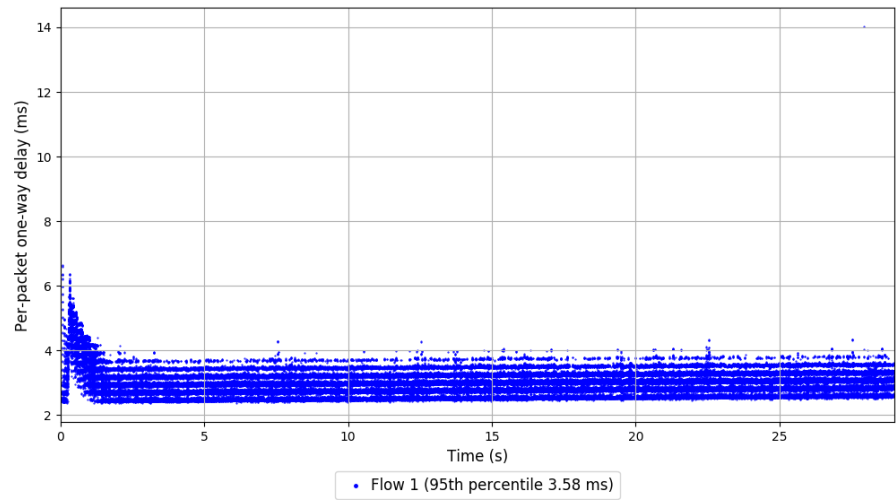
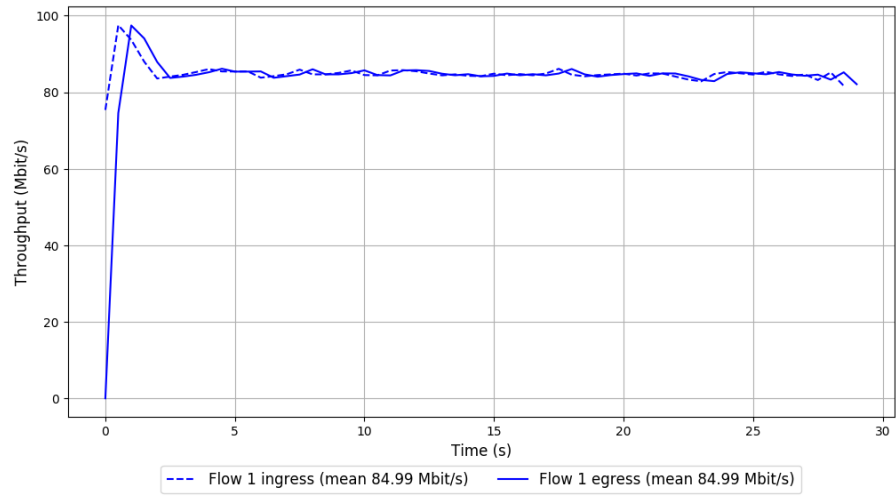
-- Flow 1:

Average throughput: 84.99 Mbit/s

95th percentile per-packet one-way delay: 3.576 ms

Loss rate: 0.00%

Run 3: Report of Indigo-MusesT — Data Link



Run 4: Statistics of Indigo-MusesT

Start at: 2019-01-18 20:13:12

End at: 2019-01-18 20:13:42

Local clock offset: -2.808 ms

Remote clock offset: 0.166 ms

Below is generated by plot.py at 2019-01-18 20:54:05

Datalink statistics

-- Total of 1 flow:

Average throughput: 95.12 Mbit/s

95th percentile per-packet one-way delay: 3.153 ms

Loss rate: 0.00%

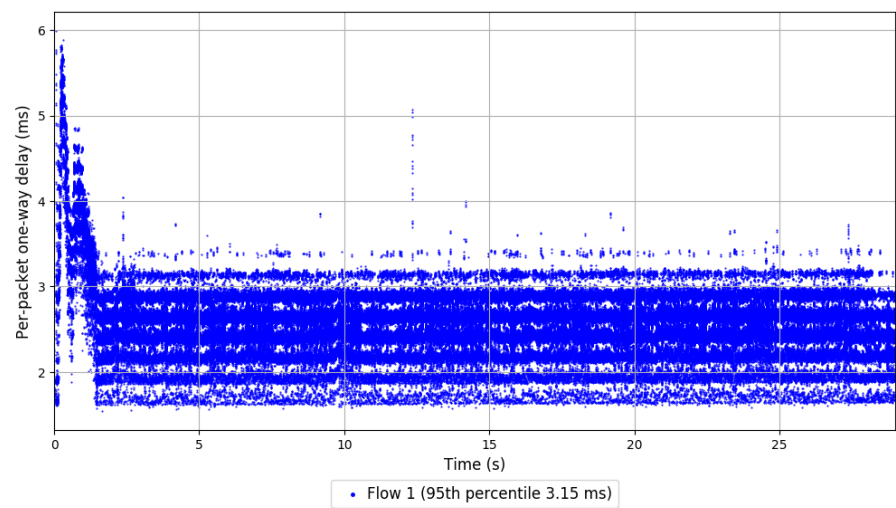
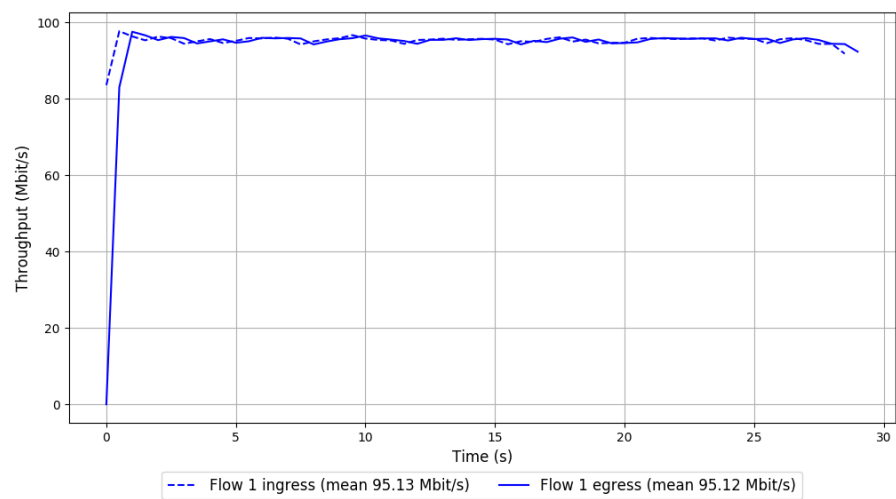
-- Flow 1:

Average throughput: 95.12 Mbit/s

95th percentile per-packet one-way delay: 3.153 ms

Loss rate: 0.00%

Run 4: Report of Indigo-MusesT — Data Link



Run 5: Statistics of Indigo-MusesT

Start at: 2019-01-18 20:36:39

End at: 2019-01-18 20:37:09

Local clock offset: -7.804 ms

Remote clock offset: 0.102 ms

Below is generated by plot.py at 2019-01-18 20:54:05

Datalink statistics

-- Total of 1 flow:

Average throughput: 85.99 Mbit/s

95th percentile per-packet one-way delay: 4.075 ms

Loss rate: 0.00%

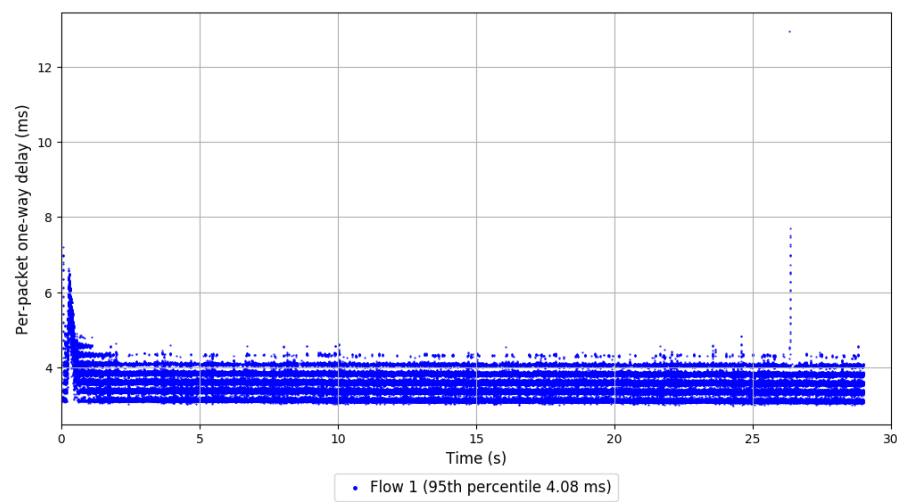
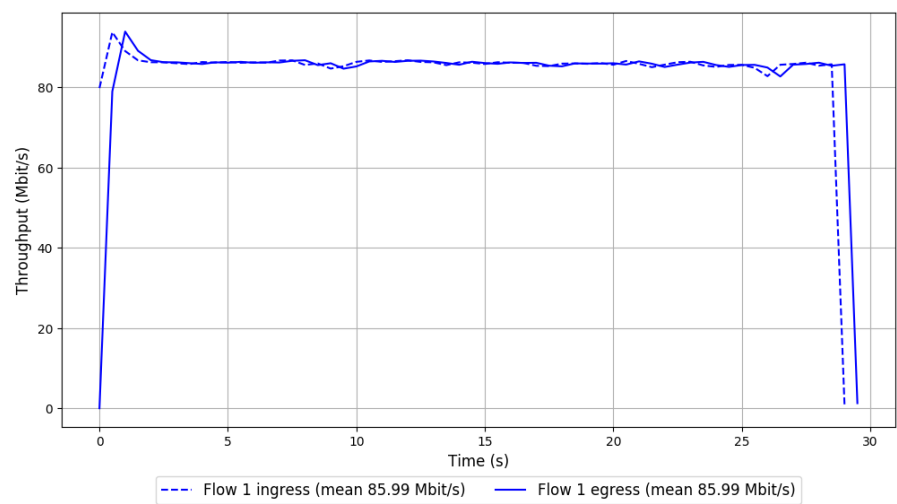
-- Flow 1:

Average throughput: 85.99 Mbit/s

95th percentile per-packet one-way delay: 4.075 ms

Loss rate: 0.00%

Run 5: Report of Indigo-MusesT — Data Link

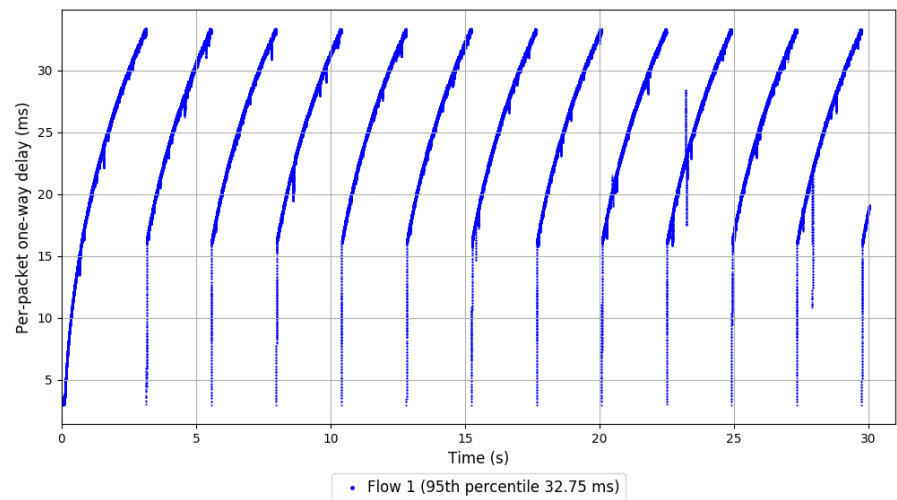
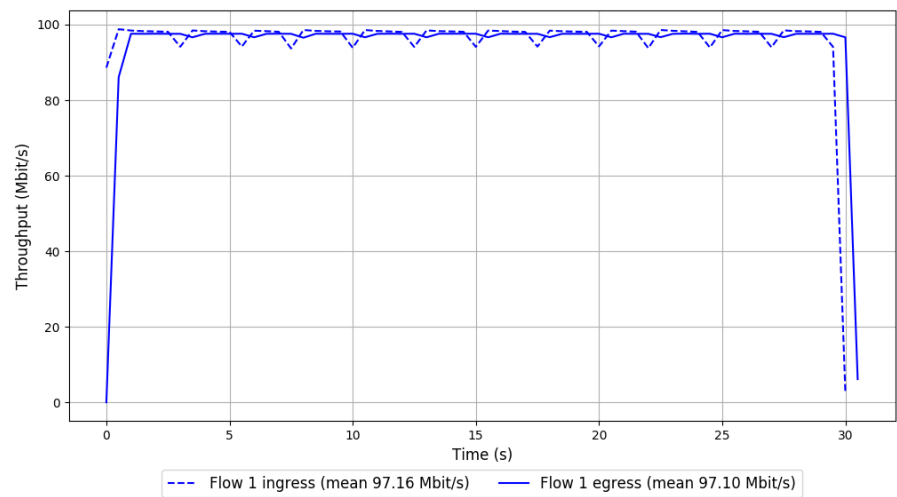


```
Run 1: Statistics of LEDBAT

Start at: 2019-01-18 19:10:45
End at: 2019-01-18 19:11:15
Local clock offset: -7.392 ms
Remote clock offset: 0.206 ms

# Below is generated by plot.py at 2019-01-18 20:54:09
# Datalink statistics
-- Total of 1 flow:
Average throughput: 97.10 Mbit/s
95th percentile per-packet one-way delay: 32.751 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 97.10 Mbit/s
95th percentile per-packet one-way delay: 32.751 ms
Loss rate: 0.01%
```

Run 1: Report of LEDBAT — Data Link



Run 2: Statistics of LEDBAT

Start at: 2019-01-18 19:34:11

End at: 2019-01-18 19:34:41

Local clock offset: -6.218 ms

Remote clock offset: 0.207 ms

Below is generated by plot.py at 2019-01-18 20:54:16

Datalink statistics

-- Total of 1 flow:

Average throughput: 97.08 Mbit/s

95th percentile per-packet one-way delay: 31.944 ms

Loss rate: 0.01%

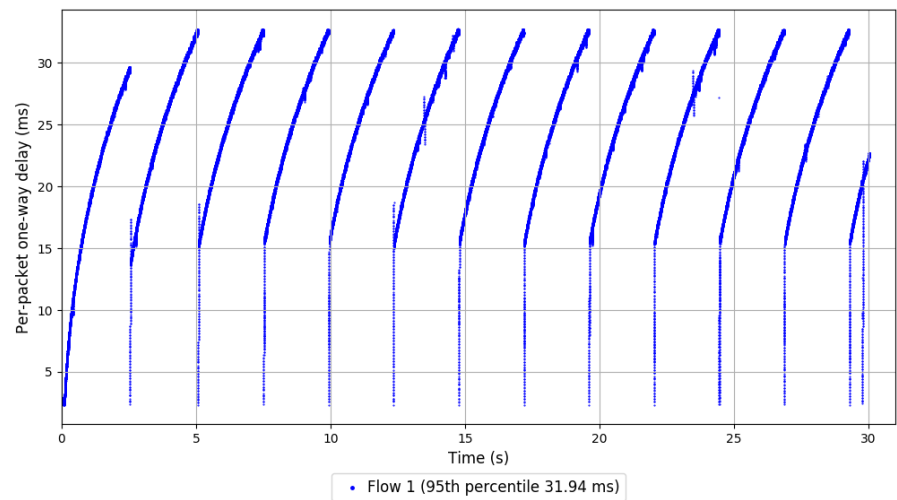
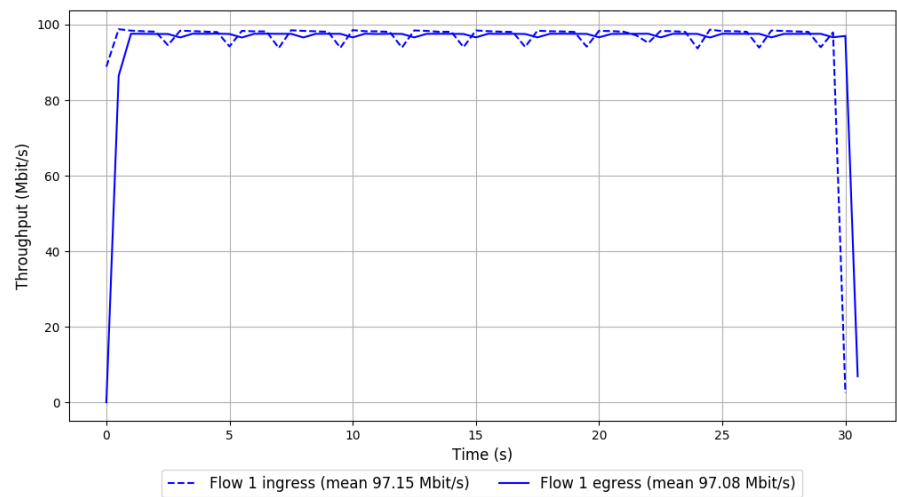
-- Flow 1:

Average throughput: 97.08 Mbit/s

95th percentile per-packet one-way delay: 31.944 ms

Loss rate: 0.01%

Run 2: Report of LEDBAT — Data Link



Run 3: Statistics of LEDBAT

Start at: 2019-01-18 19:57:37

End at: 2019-01-18 19:58:07

Local clock offset: -3.406 ms

Remote clock offset: 0.218 ms

Below is generated by plot.py at 2019-01-18 20:54:18

Datalink statistics

-- Total of 1 flow:

Average throughput: 97.08 Mbit/s

95th percentile per-packet one-way delay: 32.095 ms

Loss rate: 0.01%

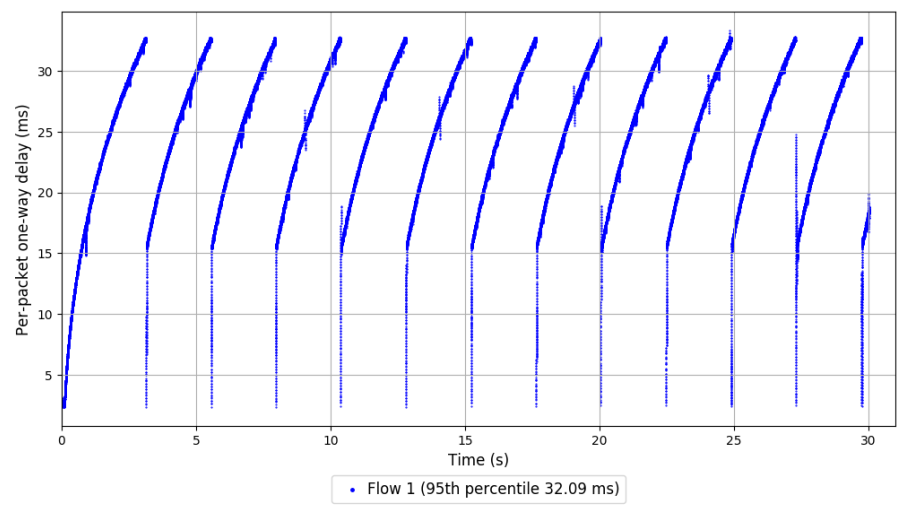
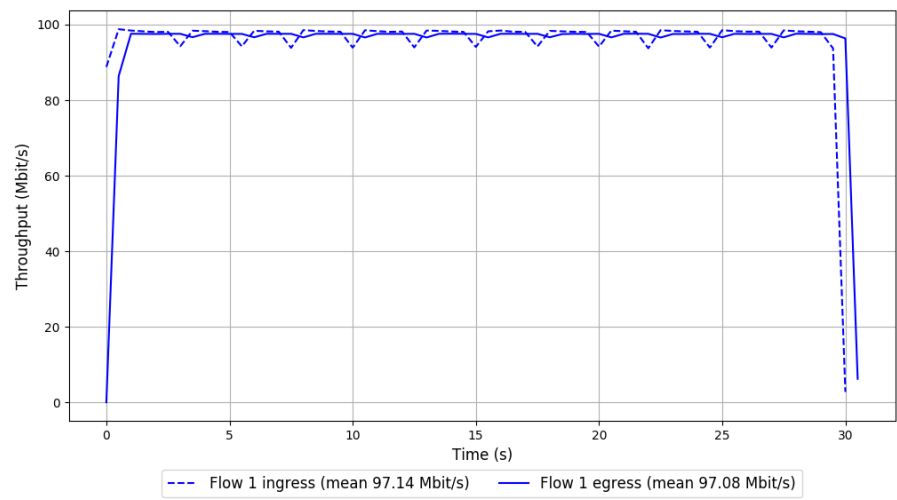
-- Flow 1:

Average throughput: 97.08 Mbit/s

95th percentile per-packet one-way delay: 32.095 ms

Loss rate: 0.01%

Run 3: Report of LEDBAT — Data Link



Run 4: Statistics of LEDBAT

Start at: 2019-01-18 20:21:05

End at: 2019-01-18 20:21:35

Local clock offset: -3.875 ms

Remote clock offset: 0.192 ms

Below is generated by plot.py at 2019-01-18 20:54:49

Datalink statistics

-- Total of 1 flow:

Average throughput: 97.19 Mbit/s

95th percentile per-packet one-way delay: 30.456 ms

Loss rate: 0.01%

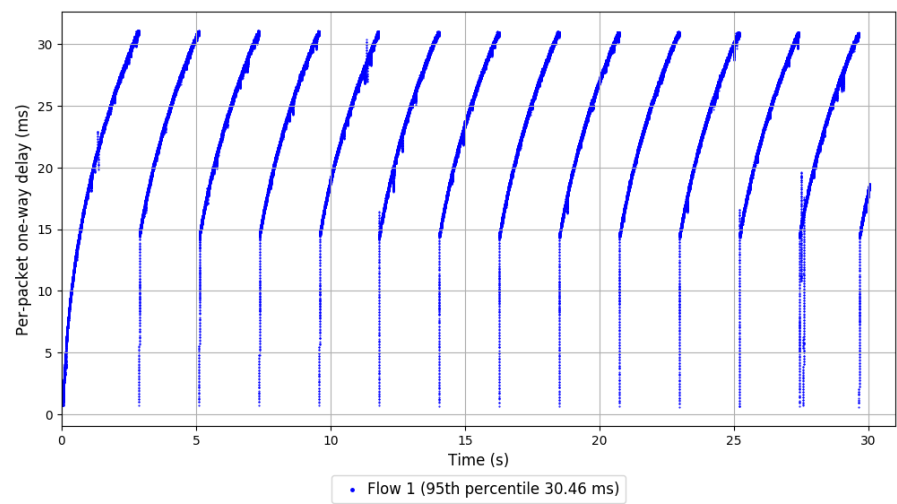
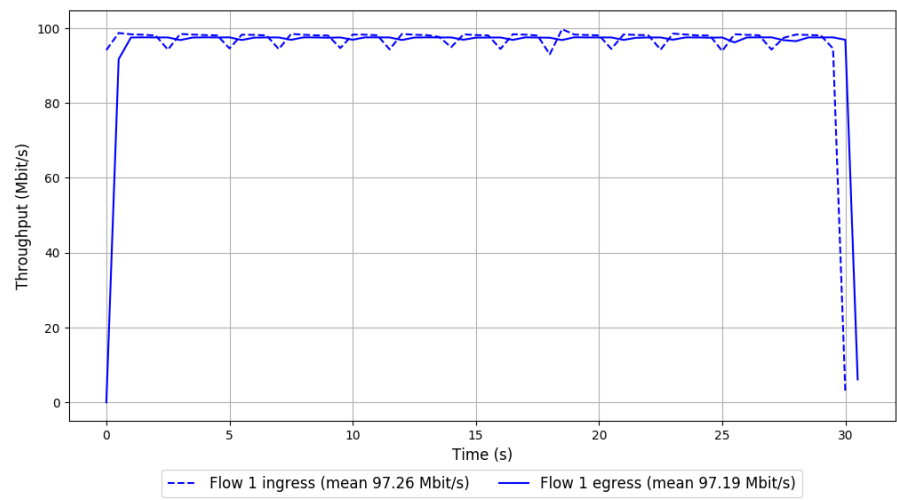
-- Flow 1:

Average throughput: 97.19 Mbit/s

95th percentile per-packet one-way delay: 30.456 ms

Loss rate: 0.01%

Run 4: Report of LEDBAT — Data Link



Run 5: Statistics of LEDBAT

Start at: 2019-01-18 20:44:33

End at: 2019-01-18 20:45:03

Local clock offset: -8.439 ms

Remote clock offset: 0.017 ms

Below is generated by plot.py at 2019-01-18 20:54:55

Datalink statistics

-- Total of 1 flow:

Average throughput: 97.22 Mbit/s

95th percentile per-packet one-way delay: 31.381 ms

Loss rate: 0.01%

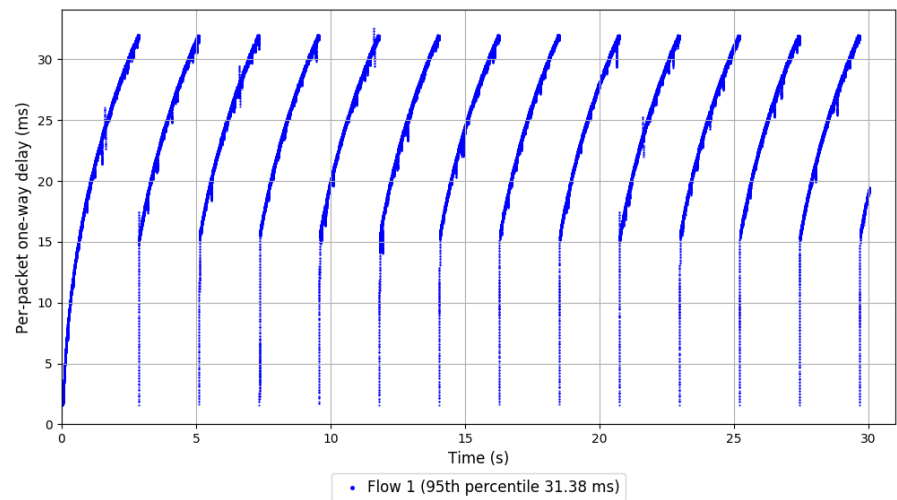
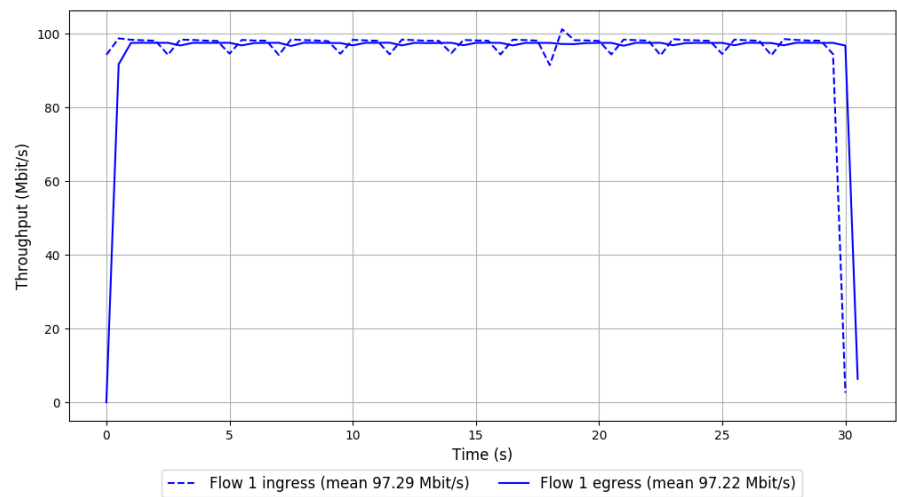
-- Flow 1:

Average throughput: 97.22 Mbit/s

95th percentile per-packet one-way delay: 31.381 ms

Loss rate: 0.01%

Run 5: Report of LEDBAT — Data Link

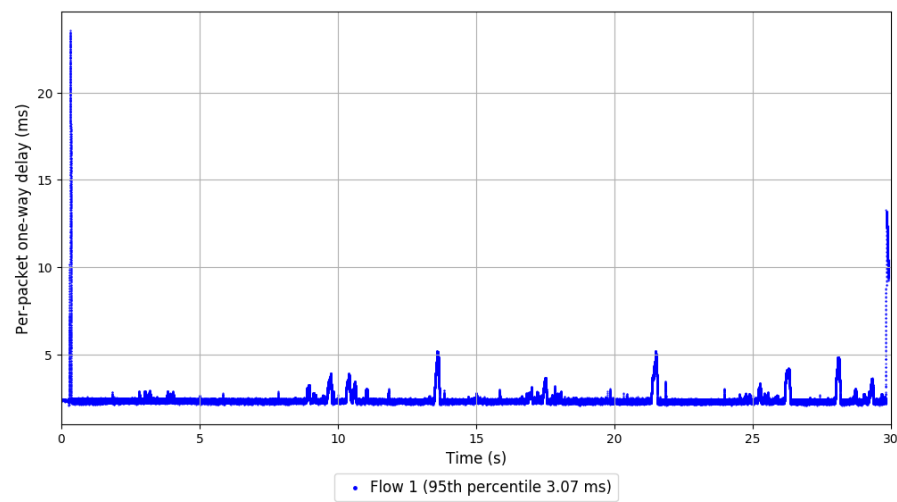
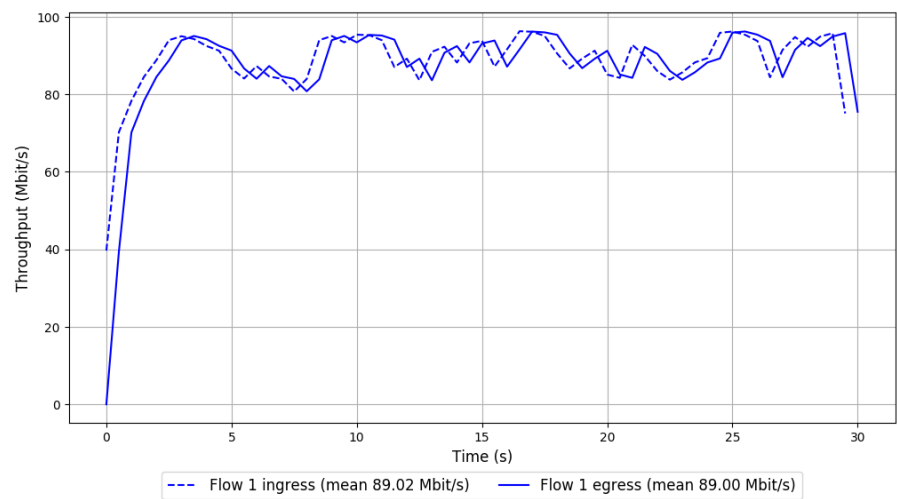


```
Run 1: Statistics of PCC-Allegro

Start at: 2019-01-18 19:07:23
End at: 2019-01-18 19:07:53
Local clock offset: -6.332 ms
Remote clock offset: 0.25 ms

# Below is generated by plot.py at 2019-01-18 20:54:56
# Datalink statistics
-- Total of 1 flow:
Average throughput: 89.00 Mbit/s
95th percentile per-packet one-way delay: 3.069 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 89.00 Mbit/s
95th percentile per-packet one-way delay: 3.069 ms
Loss rate: 0.00%
```

Run 1: Report of PCC-Allegro — Data Link



Run 2: Statistics of PCC-Allegro

Start at: 2019-01-18 19:30:50

End at: 2019-01-18 19:31:20

Local clock offset: -7.01 ms

Remote clock offset: 0.235 ms

Below is generated by plot.py at 2019-01-18 20:54:56

Datalink statistics

-- Total of 1 flow:

Average throughput: 80.04 Mbit/s

95th percentile per-packet one-way delay: 2.425 ms

Loss rate: 0.00%

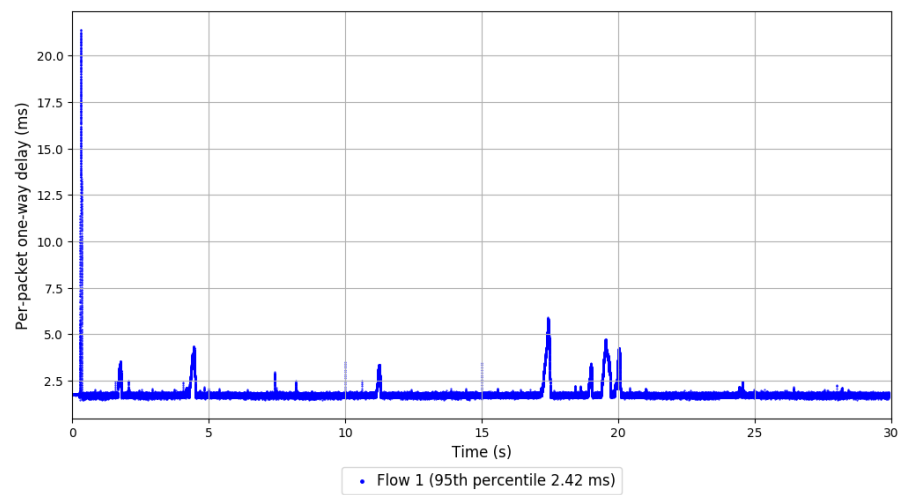
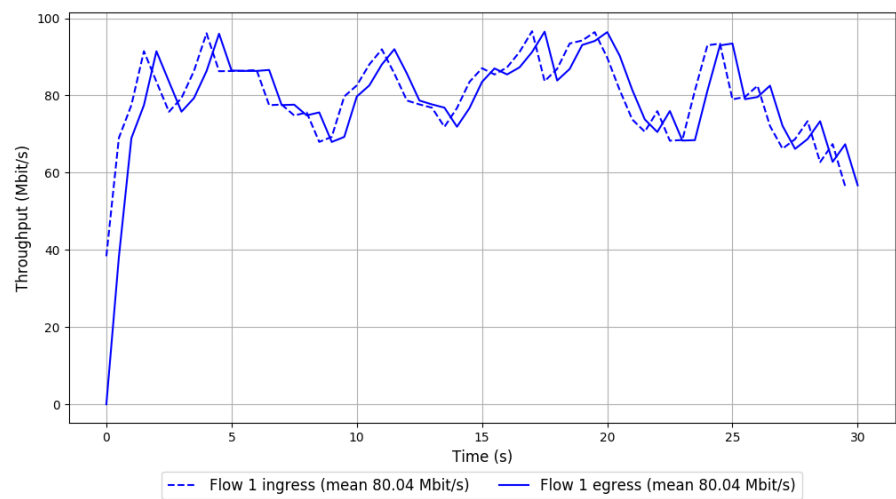
-- Flow 1:

Average throughput: 80.04 Mbit/s

95th percentile per-packet one-way delay: 2.425 ms

Loss rate: 0.00%

Run 2: Report of PCC-Allegro — Data Link



Run 3: Statistics of PCC-Allegro

Start at: 2019-01-18 19:54:17

End at: 2019-01-18 19:54:47

Local clock offset: -4.839 ms

Remote clock offset: 0.241 ms

Below is generated by plot.py at 2019-01-18 20:55:01

Datalink statistics

-- Total of 1 flow:

Average throughput: 80.81 Mbit/s

95th percentile per-packet one-way delay: 3.738 ms

Loss rate: 0.00%

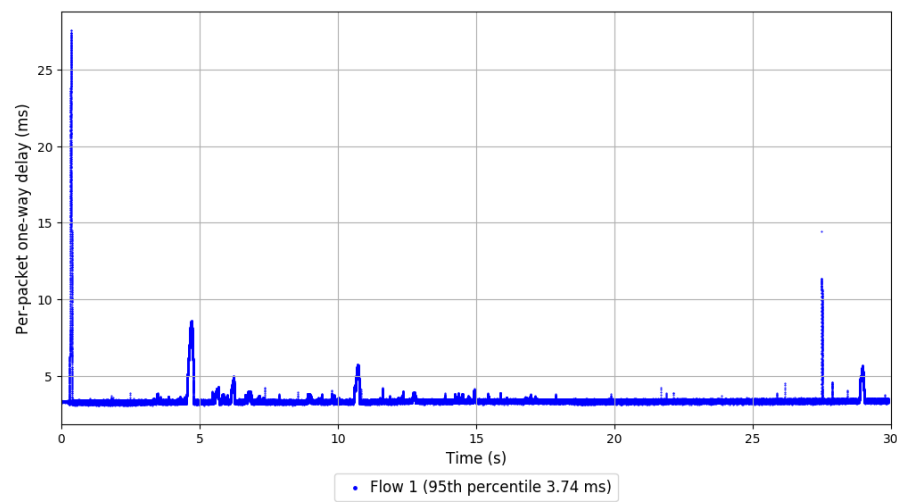
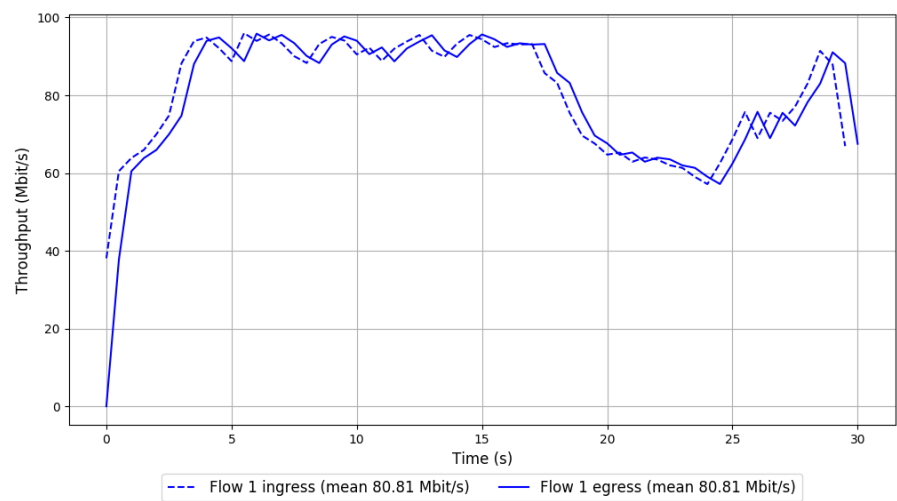
-- Flow 1:

Average throughput: 80.81 Mbit/s

95th percentile per-packet one-way delay: 3.738 ms

Loss rate: 0.00%

Run 3: Report of PCC-Allegro — Data Link



Run 4: Statistics of PCC-Allegro

Start at: 2019-01-18 20:17:45

End at: 2019-01-18 20:18:15

Local clock offset: -2.985 ms

Remote clock offset: 0.16 ms

Below is generated by plot.py at 2019-01-18 20:55:13

Datalink statistics

-- Total of 1 flow:

Average throughput: 81.62 Mbit/s

95th percentile per-packet one-way delay: 1.644 ms

Loss rate: 0.00%

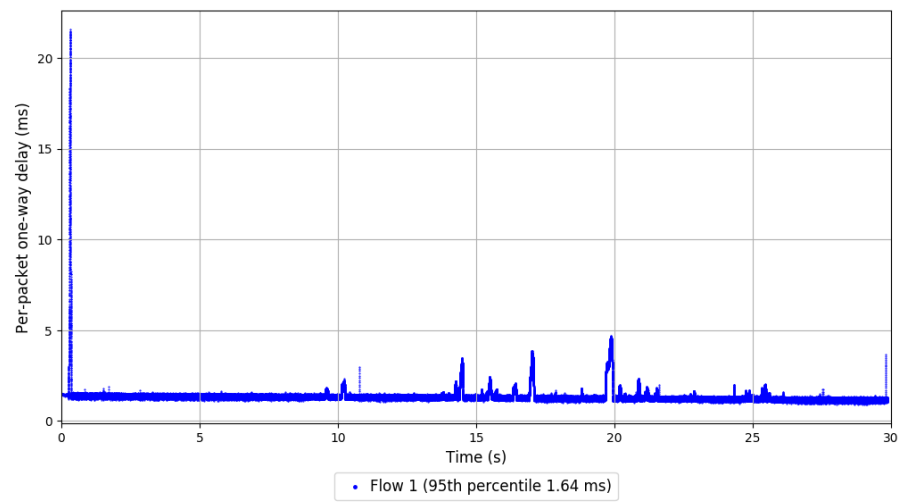
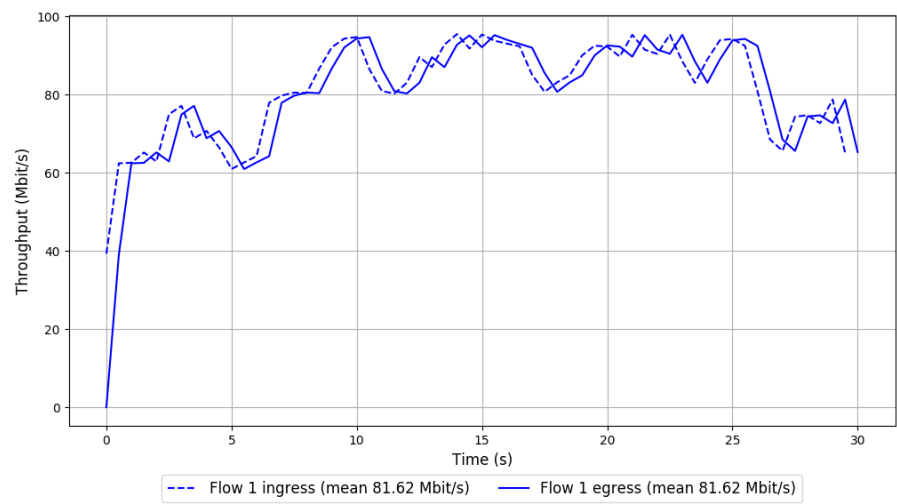
-- Flow 1:

Average throughput: 81.62 Mbit/s

95th percentile per-packet one-way delay: 1.644 ms

Loss rate: 0.00%

Run 4: Report of PCC-Allegro — Data Link



Run 5: Statistics of PCC-Allegro

Start at: 2019-01-18 20:41:12

End at: 2019-01-18 20:41:42

Local clock offset: -7.411 ms

Remote clock offset: 0.047 ms

Below is generated by plot.py at 2019-01-18 20:55:24

Datalink statistics

-- Total of 1 flow:

Average throughput: 90.89 Mbit/s

95th percentile per-packet one-way delay: 3.192 ms

Loss rate: 0.00%

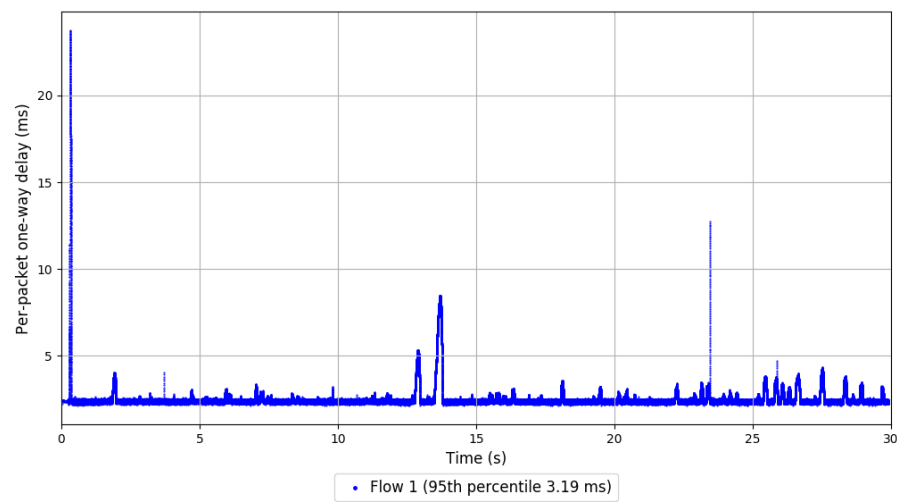
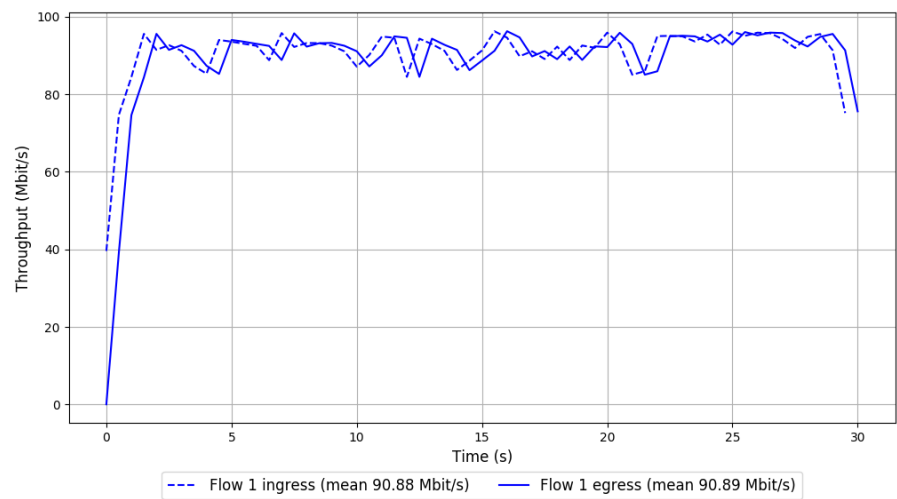
-- Flow 1:

Average throughput: 90.89 Mbit/s

95th percentile per-packet one-way delay: 3.192 ms

Loss rate: 0.00%

Run 5: Report of PCC-Allegro — Data Link



Run 1: Statistics of PCC-Expr

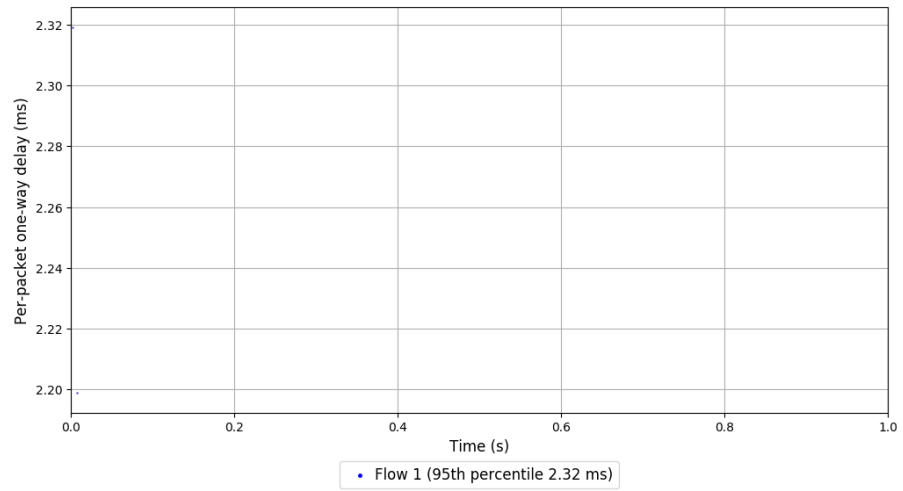
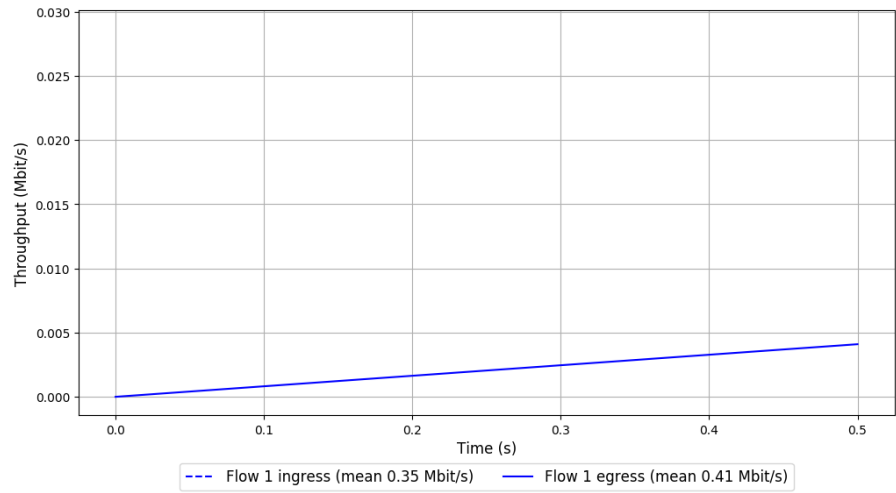
Start at: 2019-01-18 18:53:54

End at: 2019-01-18 18:54:25

Local clock offset: -3.794 ms

Remote clock offset: 0.307 ms

Run 1: Report of PCC-Expr — Data Link



Run 2: Statistics of PCC-Expr

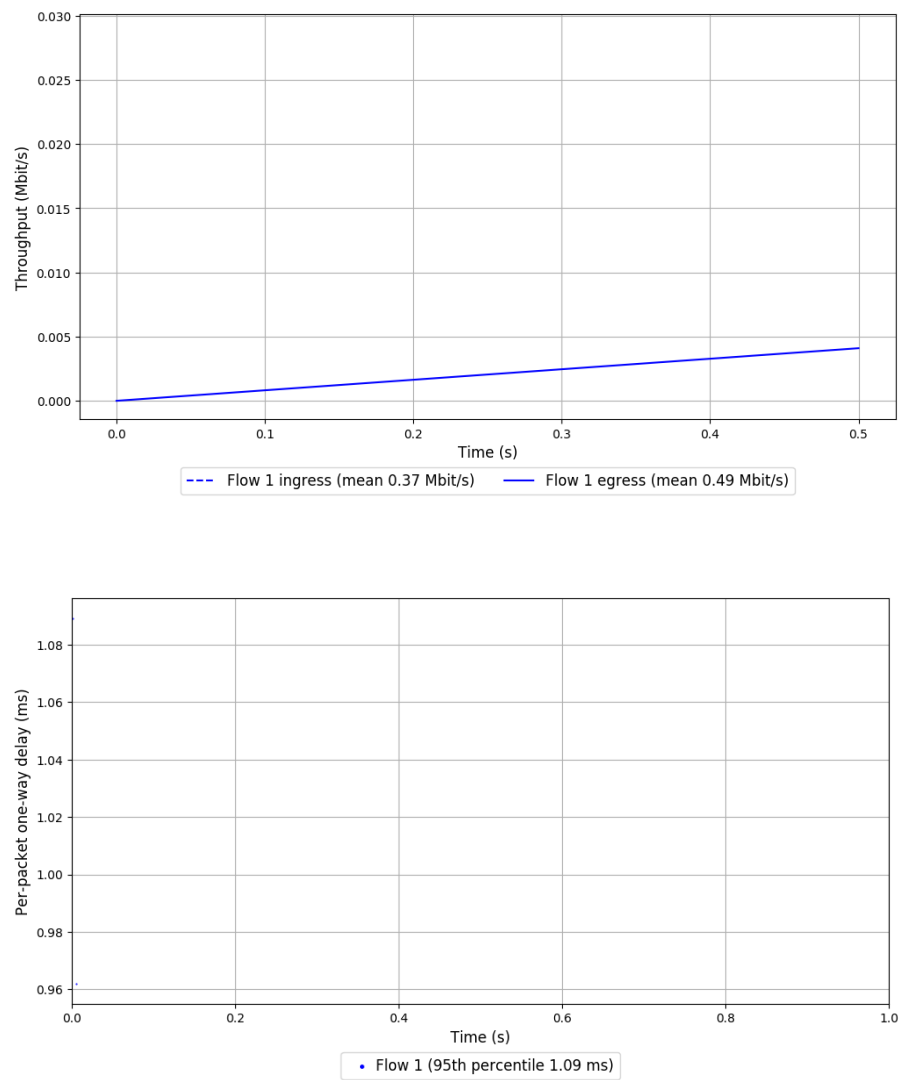
Start at: 2019-01-18 19:17:22

End at: 2019-01-18 19:17:52

Local clock offset: -7.017 ms

Remote clock offset: 0.235 ms

Run 2: Report of PCC-Expr — Data Link



Run 3: Statistics of PCC-Expr

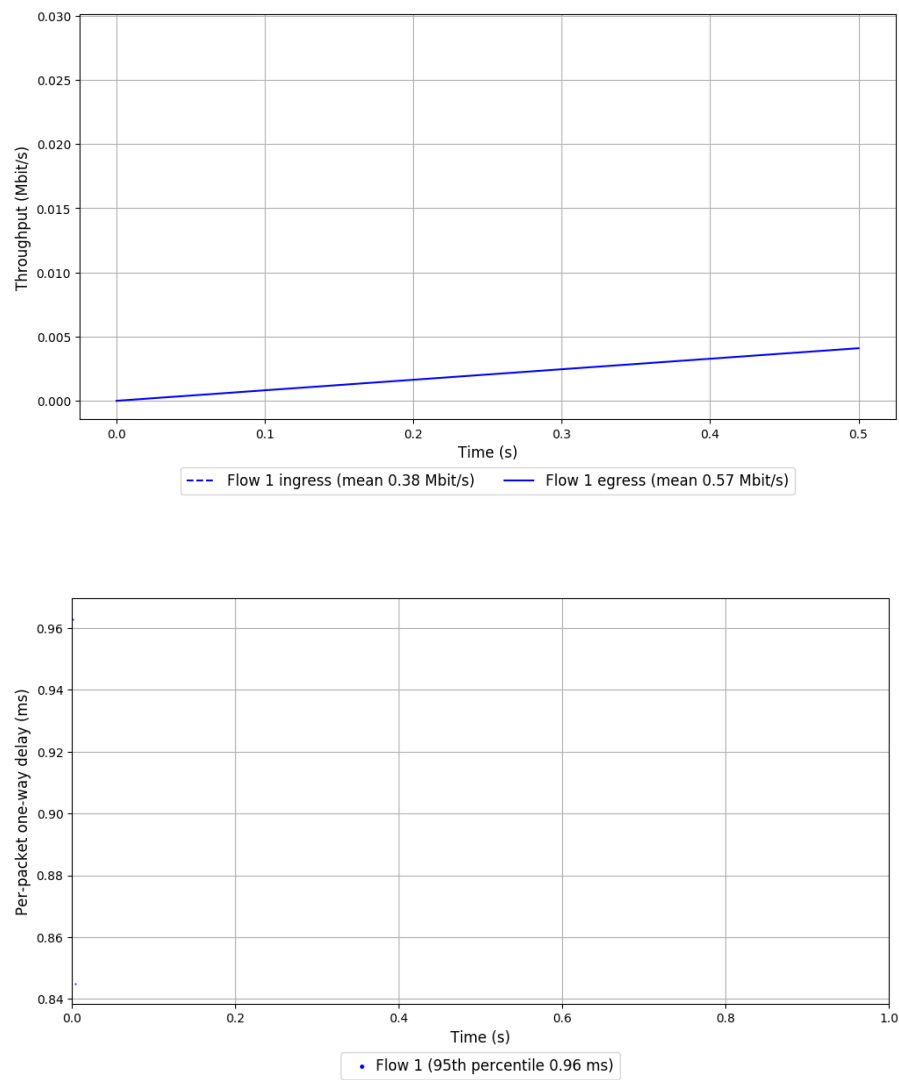
Start at: 2019-01-18 19:40:48

End at: 2019-01-18 19:41:19

Local clock offset: -6.177 ms

Remote clock offset: 0.201 ms

Run 3: Report of PCC-Expr — Data Link



Run 4: Statistics of PCC-Expr

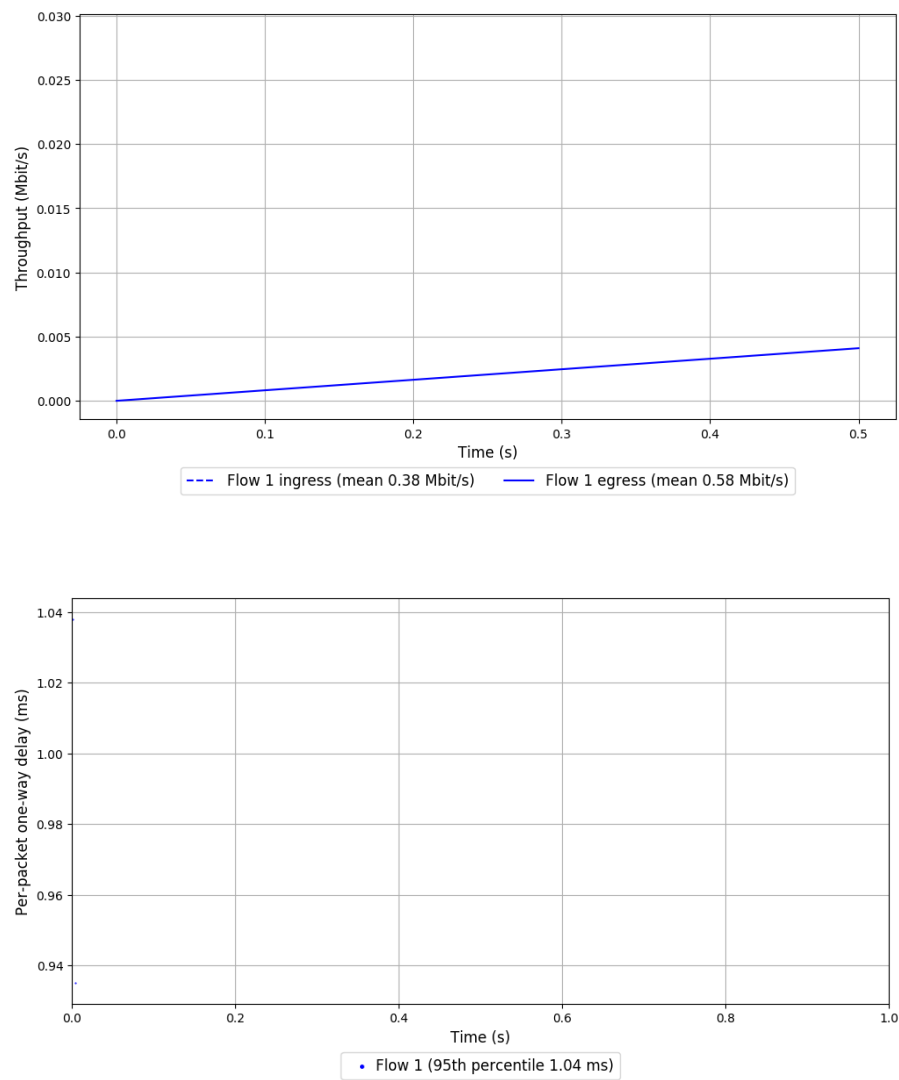
Start at: 2019-01-18 20:04:16

End at: 2019-01-18 20:04:46

Local clock offset: -2.64 ms

Remote clock offset: 0.176 ms

Run 4: Report of PCC-Expr — Data Link



Run 5: Statistics of PCC-Expr

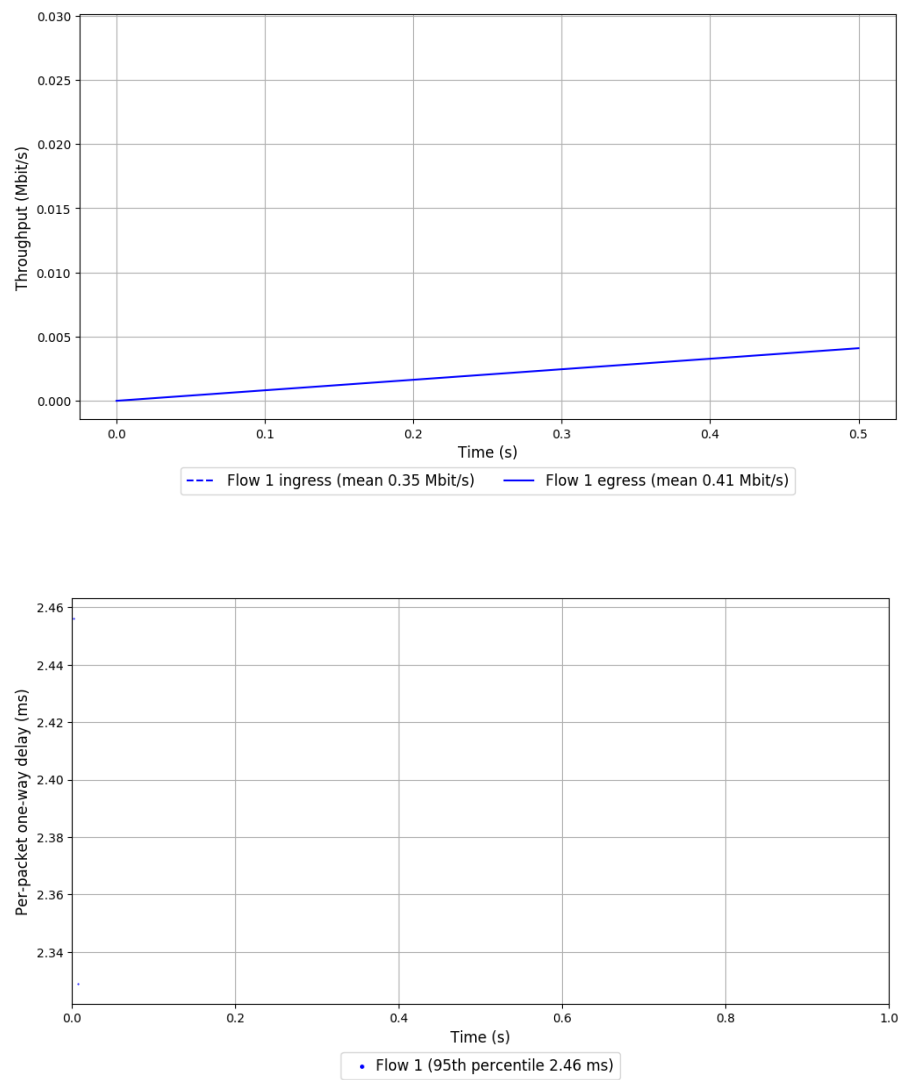
Start at: 2019-01-18 20:27:44

End at: 2019-01-18 20:28:14

Local clock offset: -5.789 ms

Remote clock offset: 0.114 ms

Run 5: Report of PCC-Expr — Data Link



Run 1: Statistics of QUIC Cubic

Start at: 2019-01-18 19:06:15

End at: 2019-01-18 19:06:45

Local clock offset: -7.04 ms

Remote clock offset: 0.224 ms

Below is generated by plot.py at 2019-01-18 20:55:24

Datalink statistics

-- Total of 1 flow:

Average throughput: 78.79 Mbit/s

95th percentile per-packet one-way delay: 3.431 ms

Loss rate: 0.24%

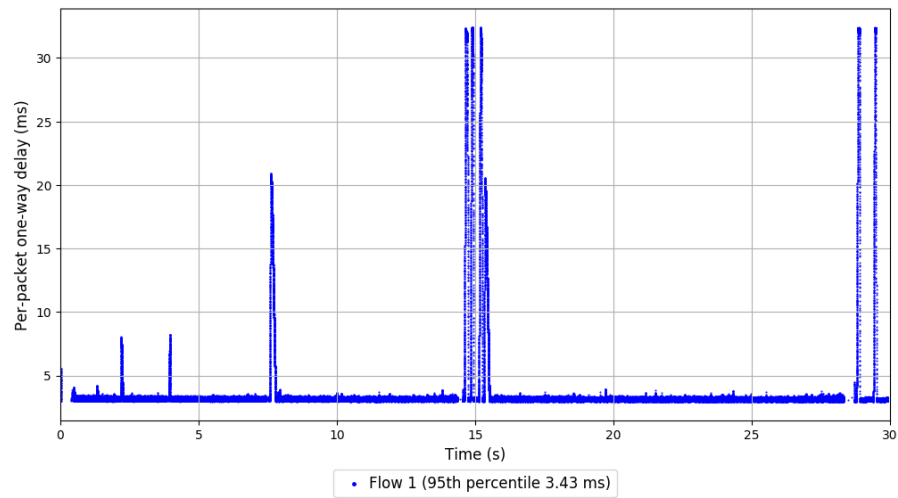
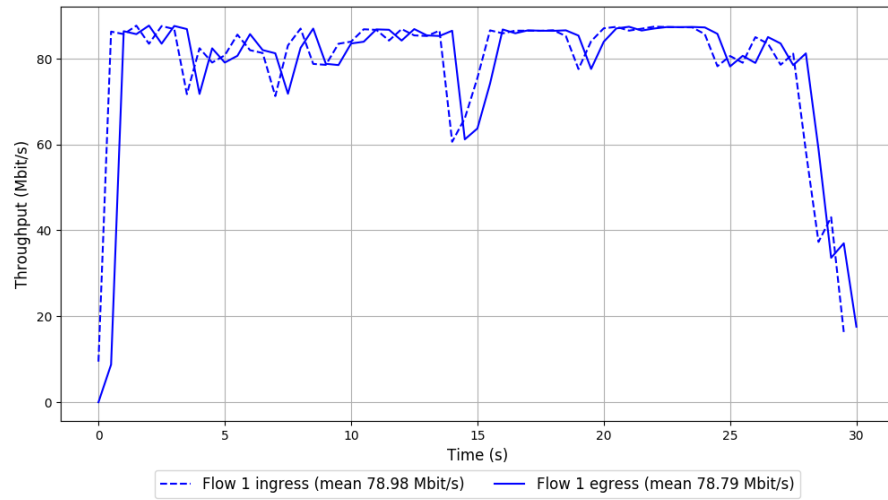
-- Flow 1:

Average throughput: 78.79 Mbit/s

95th percentile per-packet one-way delay: 3.431 ms

Loss rate: 0.24%

Run 1: Report of QUIC Cubic — Data Link



Run 2: Statistics of QUIC Cubic

Start at: 2019-01-18 19:29:43

End at: 2019-01-18 19:30:13

Local clock offset: -6.221 ms

Remote clock offset: 0.287 ms

Below is generated by plot.py at 2019-01-18 20:55:50

Datalink statistics

-- Total of 1 flow:

Average throughput: 78.86 Mbit/s

95th percentile per-packet one-way delay: 2.817 ms

Loss rate: 0.19%

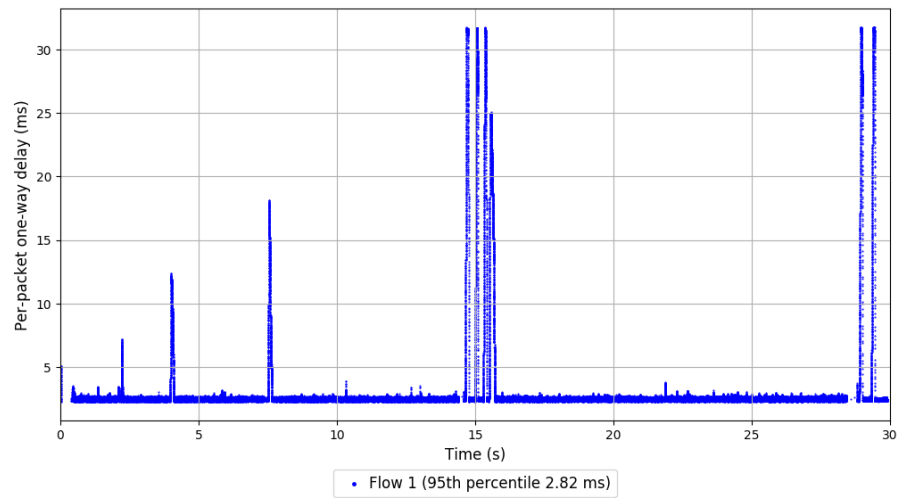
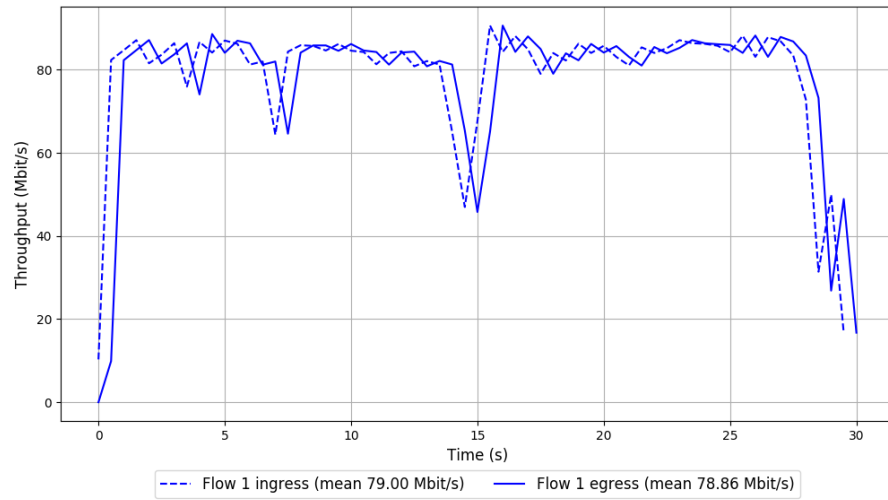
-- Flow 1:

Average throughput: 78.86 Mbit/s

95th percentile per-packet one-way delay: 2.817 ms

Loss rate: 0.19%

Run 2: Report of QUIC Cubic — Data Link



Run 3: Statistics of QUIC Cubic

Start at: 2019-01-18 19:53:09

End at: 2019-01-18 19:53:39

Local clock offset: -4.997 ms

Remote clock offset: 0.126 ms

Below is generated by plot.py at 2019-01-18 20:55:57

Datalink statistics

-- Total of 1 flow:

Average throughput: 78.77 Mbit/s

95th percentile per-packet one-way delay: 3.687 ms

Loss rate: 0.18%

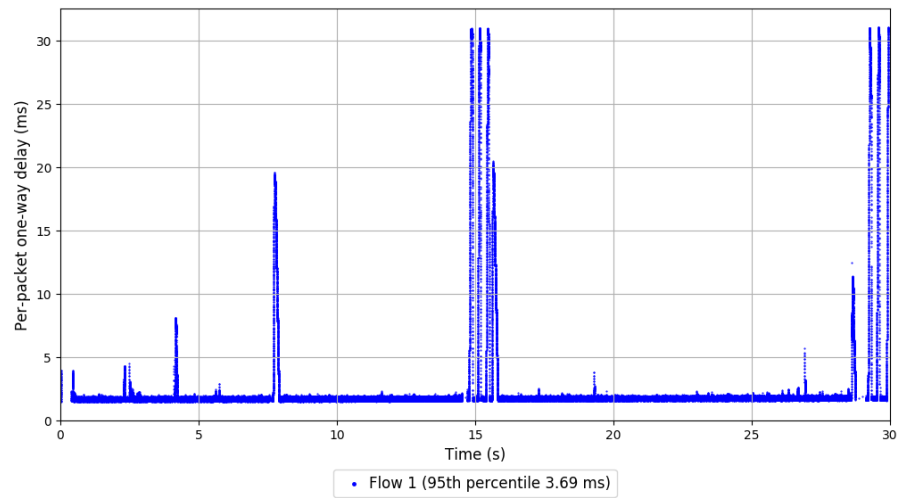
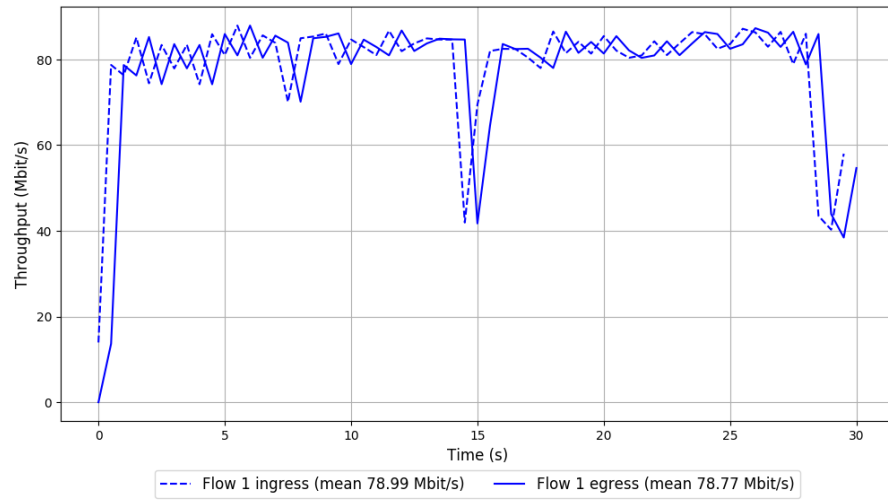
-- Flow 1:

Average throughput: 78.77 Mbit/s

95th percentile per-packet one-way delay: 3.687 ms

Loss rate: 0.18%

Run 3: Report of QUIC Cubic — Data Link



Run 4: Statistics of QUIC Cubic

Start at: 2019-01-18 20:16:37

End at: 2019-01-18 20:17:07

Local clock offset: -2.654 ms

Remote clock offset: 0.214 ms

Below is generated by plot.py at 2019-01-18 20:55:57

Datalink statistics

-- Total of 1 flow:

Average throughput: 77.26 Mbit/s

95th percentile per-packet one-way delay: 1.989 ms

Loss rate: 0.31%

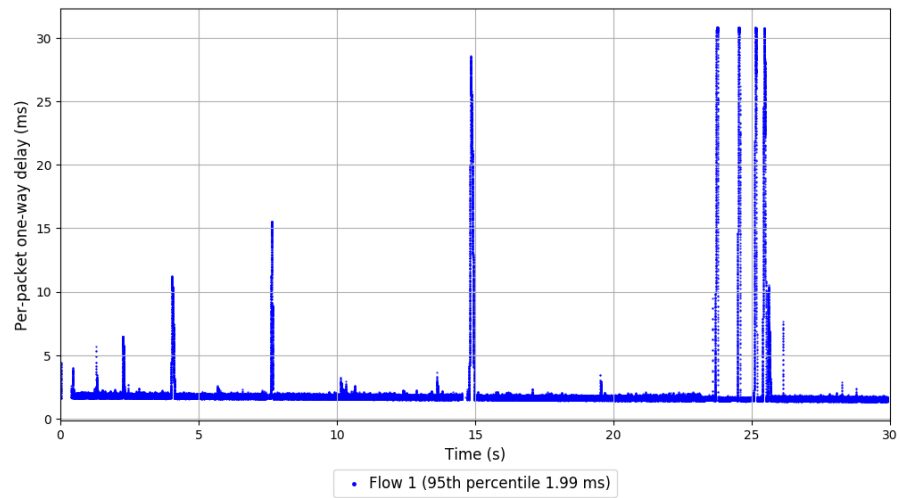
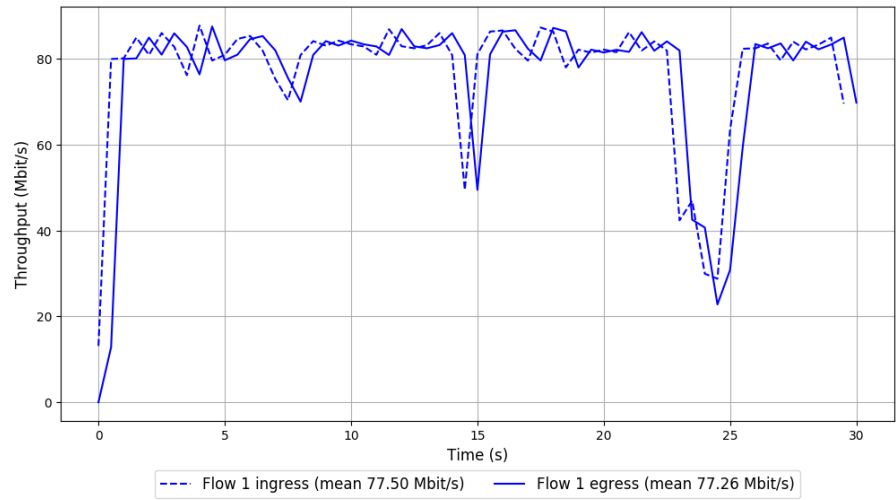
-- Flow 1:

Average throughput: 77.26 Mbit/s

95th percentile per-packet one-way delay: 1.989 ms

Loss rate: 0.31%

Run 4: Report of QUIC Cubic — Data Link



Run 5: Statistics of QUIC Cubic

Start at: 2019-01-18 20:40:04

End at: 2019-01-18 20:40:34

Local clock offset: -8.136 ms

Remote clock offset: 0.041 ms

Below is generated by plot.py at 2019-01-18 20:55:59

Datalink statistics

-- Total of 1 flow:

Average throughput: 79.01 Mbit/s

95th percentile per-packet one-way delay: 2.748 ms

Loss rate: 0.16%

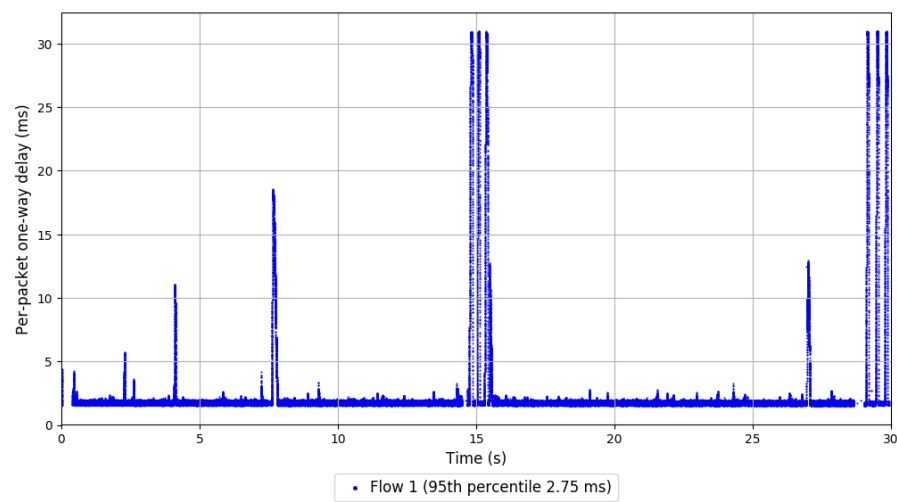
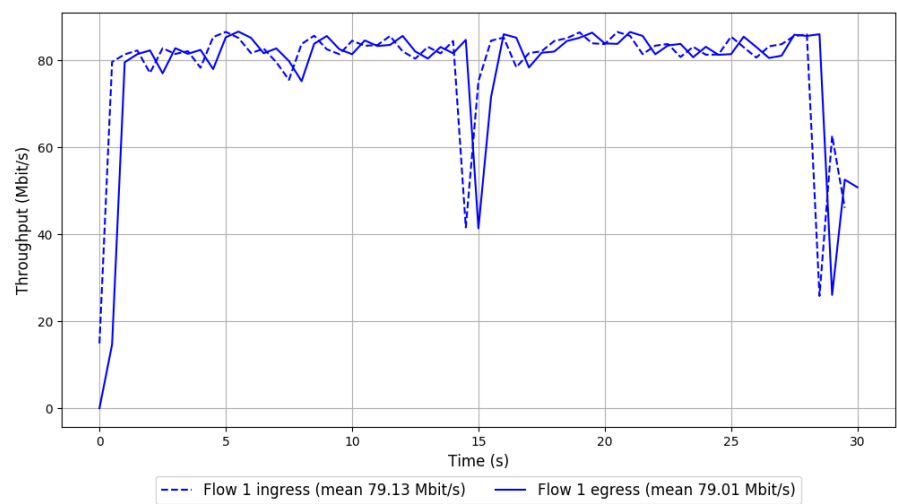
-- Flow 1:

Average throughput: 79.01 Mbit/s

95th percentile per-packet one-way delay: 2.748 ms

Loss rate: 0.16%

Run 5: Report of QUIC Cubic — Data Link



Run 1: Statistics of SCReAM

Start at: 2019-01-18 19:11:54

End at: 2019-01-18 19:12:24

Local clock offset: -6.696 ms

Remote clock offset: 0.212 ms

Below is generated by plot.py at 2019-01-18 20:55:59

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 0.863 ms

Loss rate: 0.00%

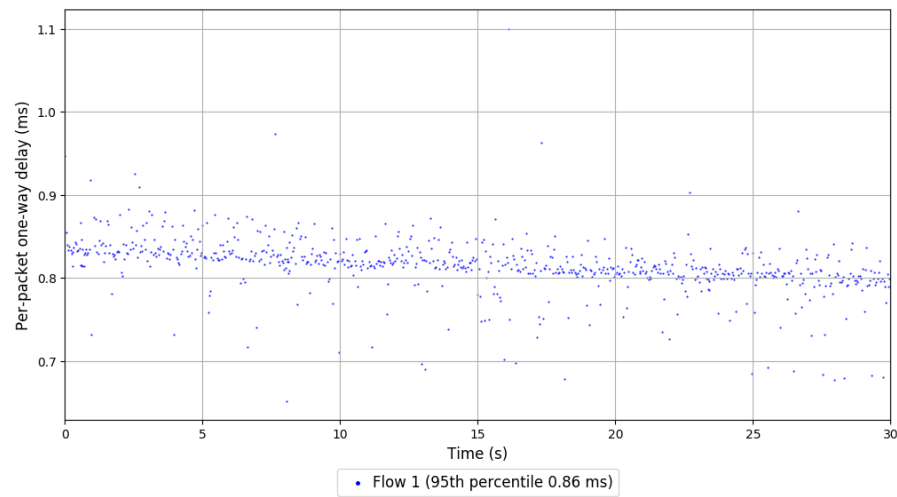
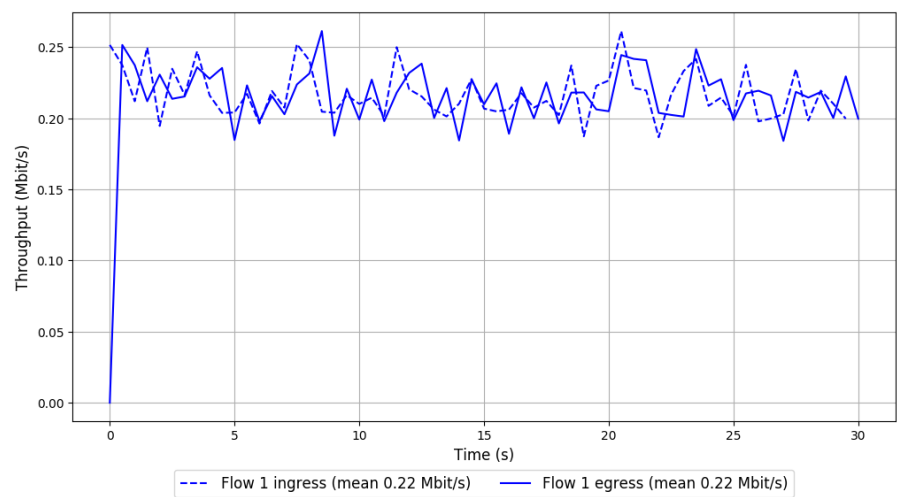
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 0.863 ms

Loss rate: 0.00%

Run 1: Report of SReAM — Data Link



Run 2: Statistics of SCReAM

Start at: 2019-01-18 19:35:20

End at: 2019-01-18 19:35:50

Local clock offset: -6.16 ms

Remote clock offset: 0.266 ms

Below is generated by plot.py at 2019-01-18 20:55:59

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 0.966 ms

Loss rate: 0.00%

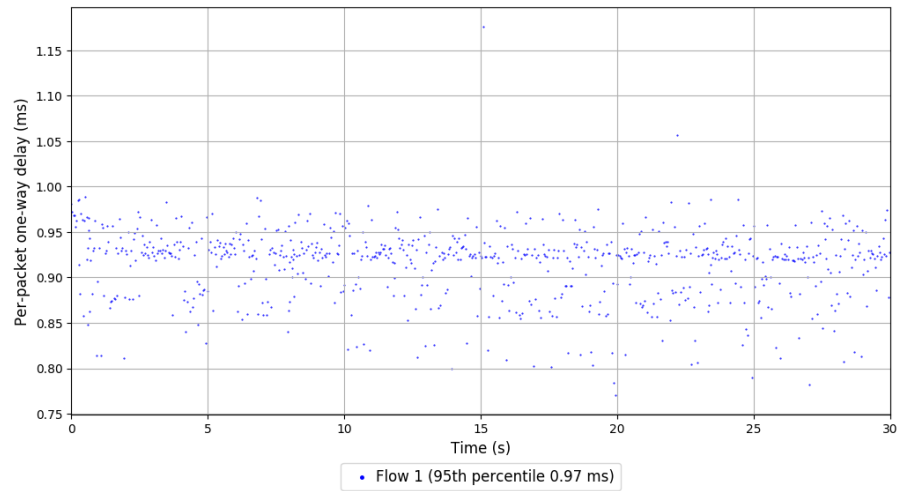
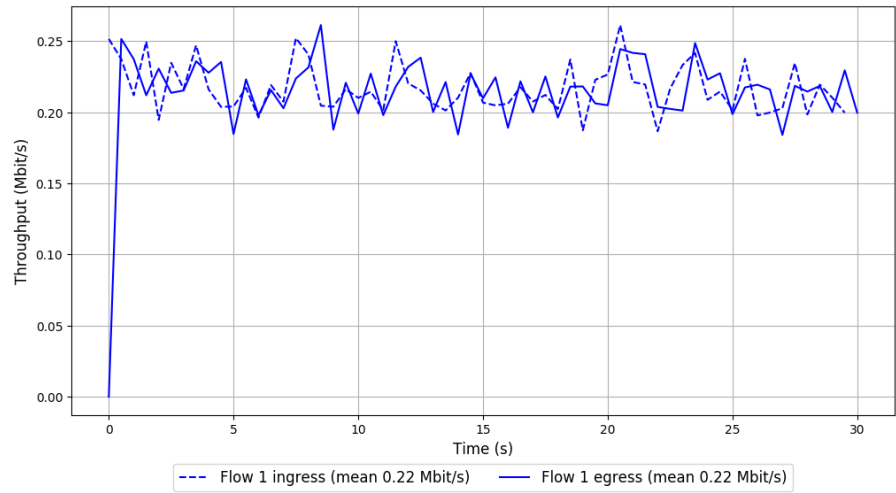
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 0.966 ms

Loss rate: 0.00%

Run 2: Report of SReAM — Data Link



Run 3: Statistics of SCReAM

Start at: 2019-01-18 19:58:47

End at: 2019-01-18 19:59:17

Local clock offset: -3.223 ms

Remote clock offset: 0.21 ms

Below is generated by plot.py at 2019-01-18 20:55:59

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 2.502 ms

Loss rate: 0.00%

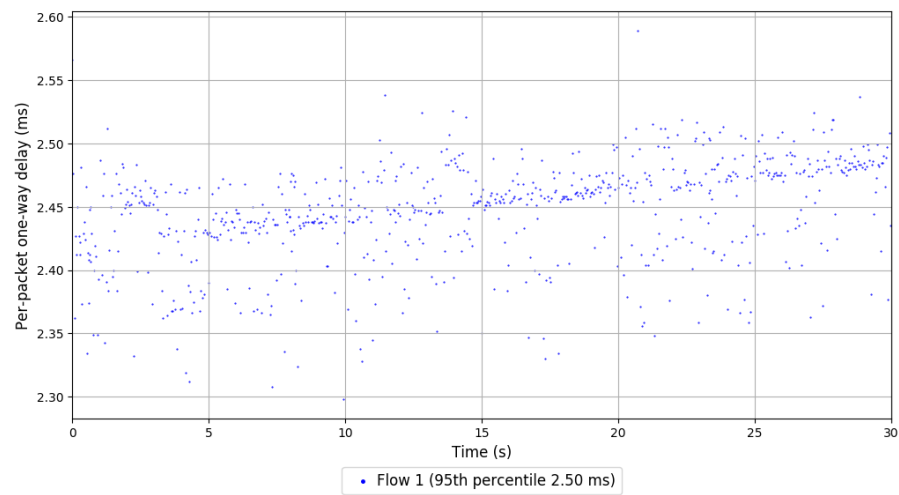
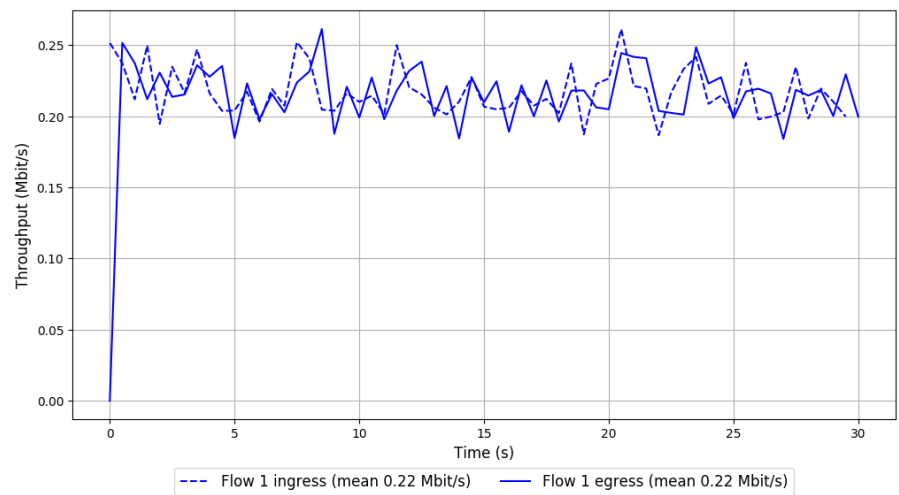
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 2.502 ms

Loss rate: 0.00%

Run 3: Report of SReAM — Data Link



Run 4: Statistics of SCReAM

Start at: 2019-01-18 20:22:15

End at: 2019-01-18 20:22:45

Local clock offset: -5.103 ms

Remote clock offset: 0.154 ms

Below is generated by plot.py at 2019-01-18 20:55:59

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 3.082 ms

Loss rate: 0.00%

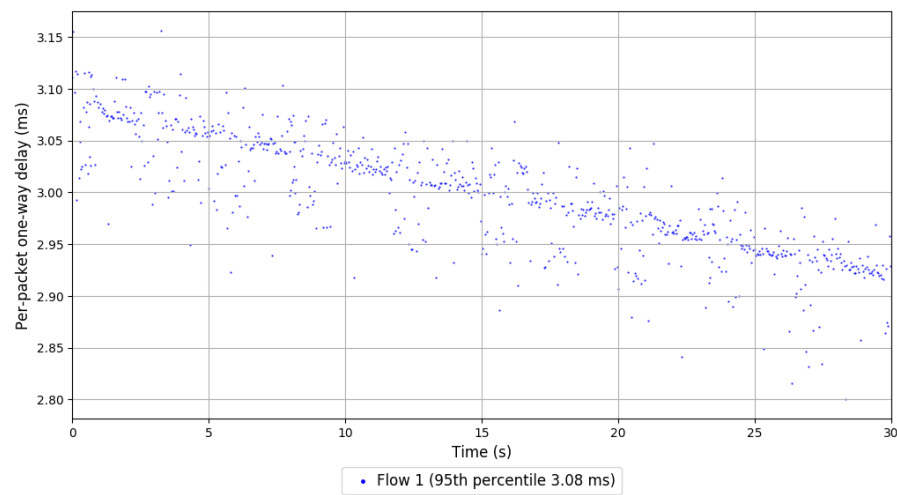
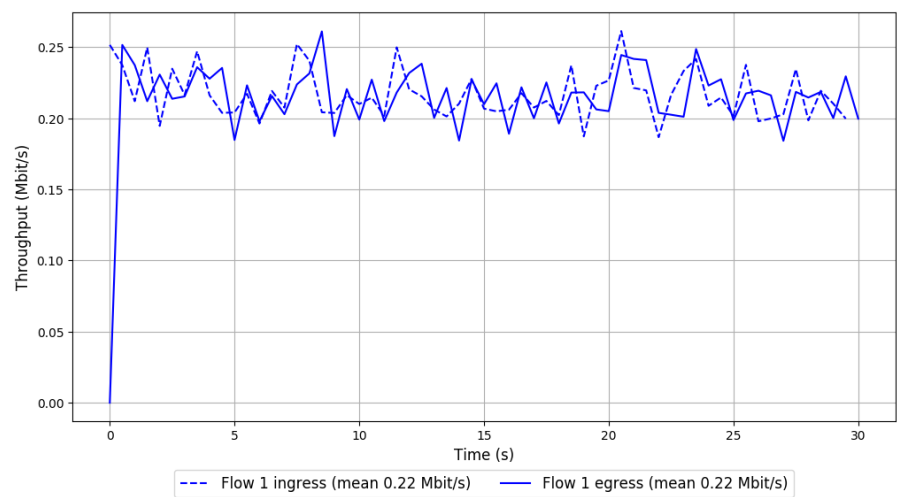
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 3.082 ms

Loss rate: 0.00%

Run 4: Report of SReAM — Data Link

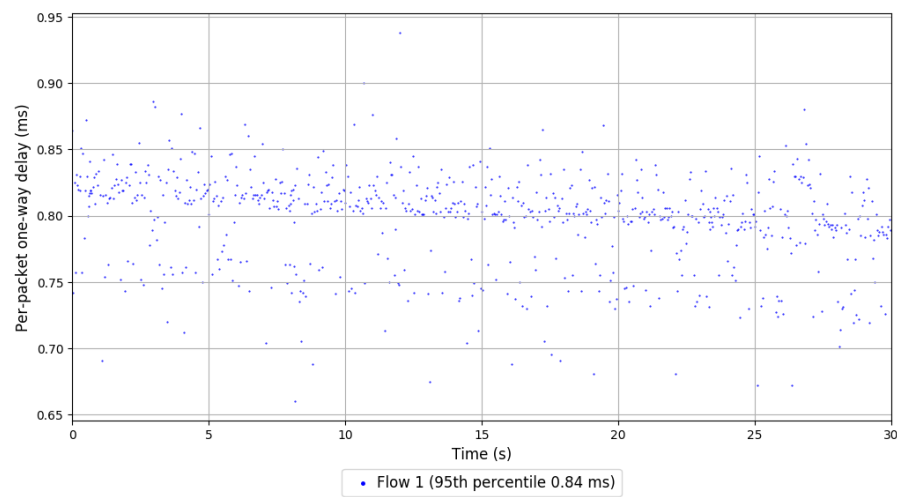
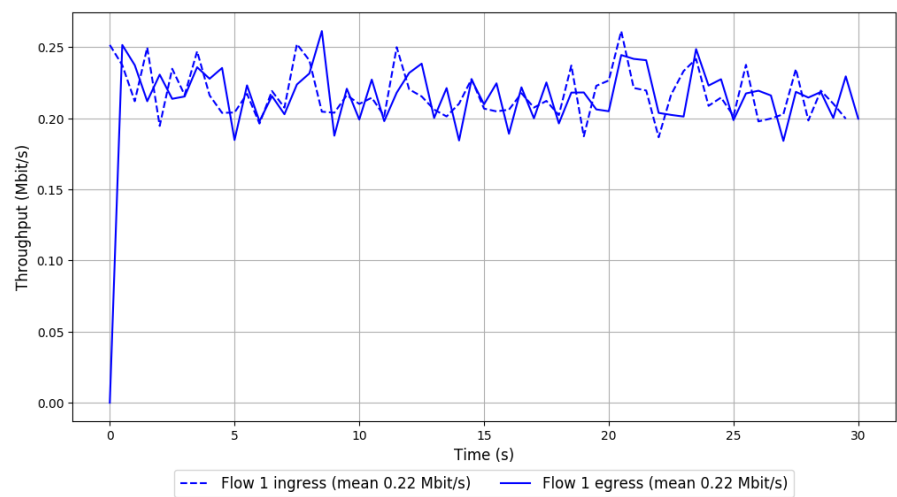


Run 5: Statistics of SCReAM

Start at: 2019-01-18 20:45:42
End at: 2019-01-18 20:46:12
Local clock offset: -7.681 ms
Remote clock offset: -0.028 ms

Below is generated by plot.py at 2019-01-18 20:55:59
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 0.843 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 0.843 ms
Loss rate: 0.00%

Run 5: Report of SReAM — Data Link



Run 1: Statistics of Sprout

Start at: 2019-01-18 18:51:44

End at: 2019-01-18 18:52:14

Local clock offset: -2.956 ms

Remote clock offset: 0.247 ms

Below is generated by plot.py at 2019-01-18 20:55:59

Datalink statistics

-- Total of 1 flow:

Average throughput: 50.35 Mbit/s

95th percentile per-packet one-way delay: 9.892 ms

Loss rate: 0.01%

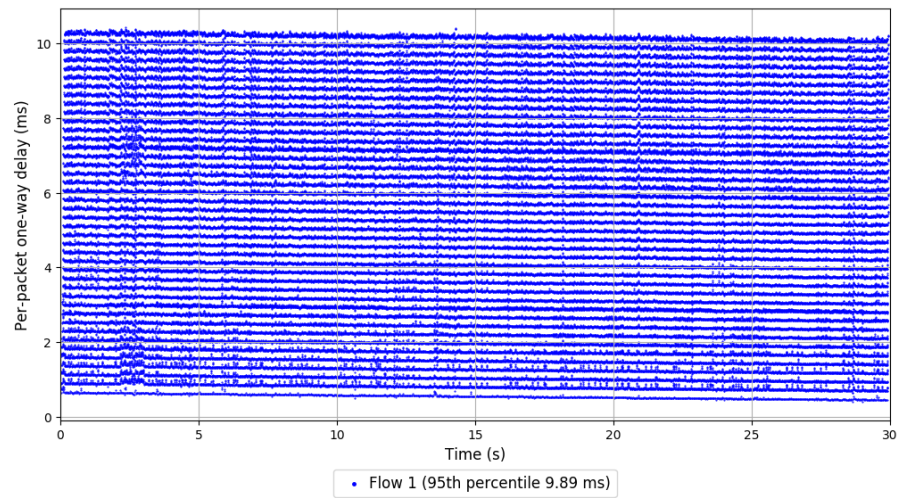
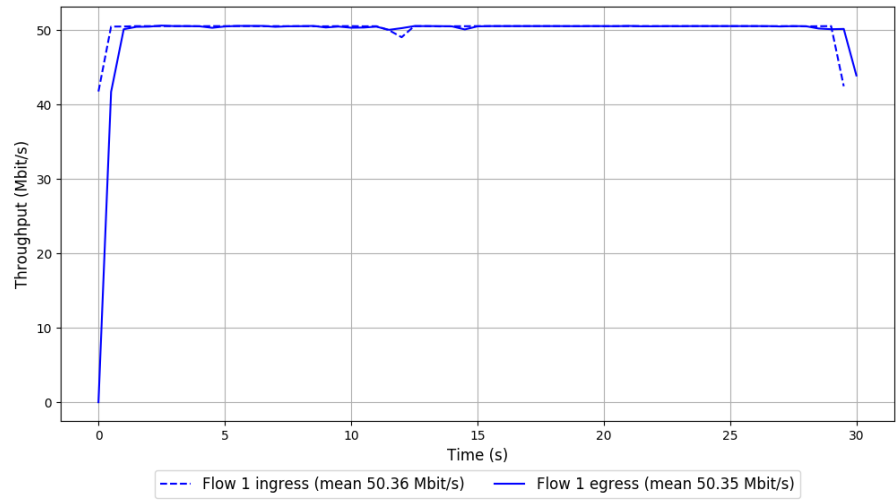
-- Flow 1:

Average throughput: 50.35 Mbit/s

95th percentile per-packet one-way delay: 9.892 ms

Loss rate: 0.01%

Run 1: Report of Sprout — Data Link

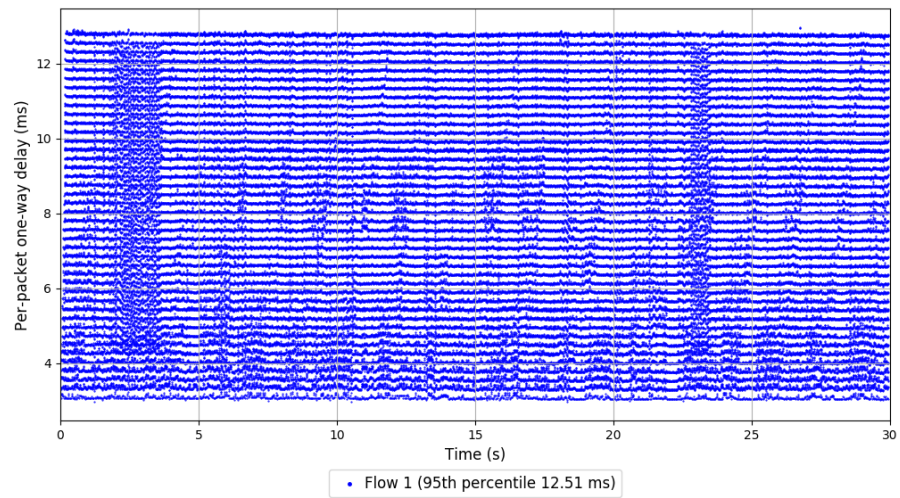
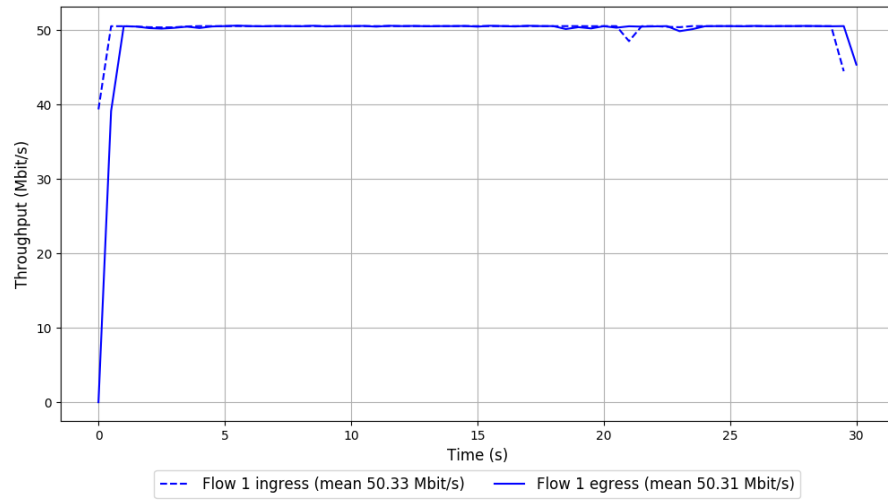


Run 2: Statistics of Sprout

Start at: 2019-01-18 19:15:12
End at: 2019-01-18 19:15:42
Local clock offset: -7.709 ms
Remote clock offset: 0.261 ms

Below is generated by plot.py at 2019-01-18 20:55:59
Datalink statistics
-- Total of 1 flow:
Average throughput: 50.31 Mbit/s
95th percentile per-packet one-way delay: 12.507 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 50.31 Mbit/s
95th percentile per-packet one-way delay: 12.507 ms
Loss rate: 0.00%

Run 2: Report of Sprout — Data Link



Run 3: Statistics of Sprout

Start at: 2019-01-18 19:38:38

End at: 2019-01-18 19:39:08

Local clock offset: -6.247 ms

Remote clock offset: 0.314 ms

Below is generated by plot.py at 2019-01-18 20:56:04

Datalink statistics

-- Total of 1 flow:

Average throughput: 50.27 Mbit/s

95th percentile per-packet one-way delay: 10.292 ms

Loss rate: 0.00%

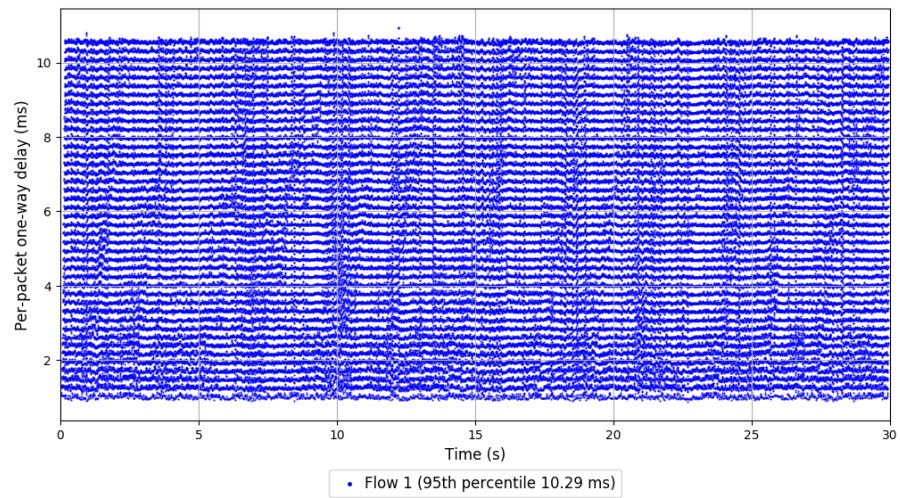
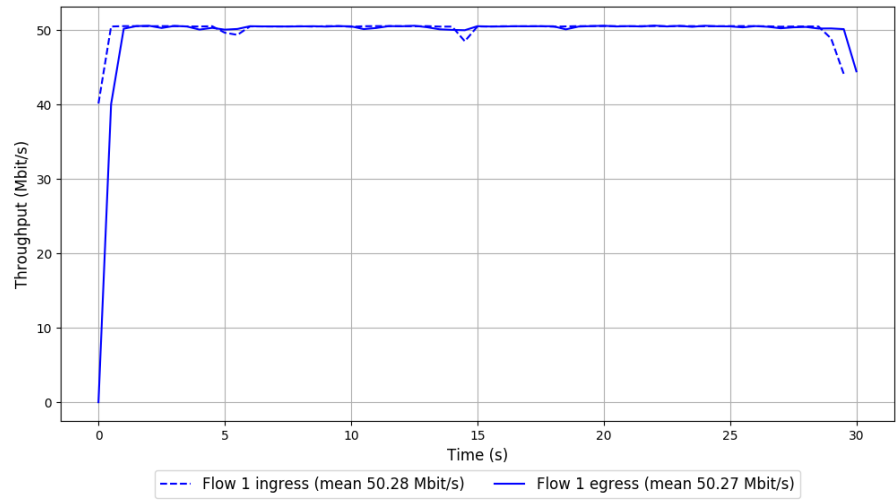
-- Flow 1:

Average throughput: 50.27 Mbit/s

95th percentile per-packet one-way delay: 10.292 ms

Loss rate: 0.00%

Run 3: Report of Sprout — Data Link



Run 4: Statistics of Sprout

Start at: 2019-01-18 20:02:06

End at: 2019-01-18 20:02:36

Local clock offset: -2.824 ms

Remote clock offset: 0.2 ms

Below is generated by plot.py at 2019-01-18 20:56:05

Datalink statistics

-- Total of 1 flow:

Average throughput: 50.23 Mbit/s

95th percentile per-packet one-way delay: 11.883 ms

Loss rate: 0.00%

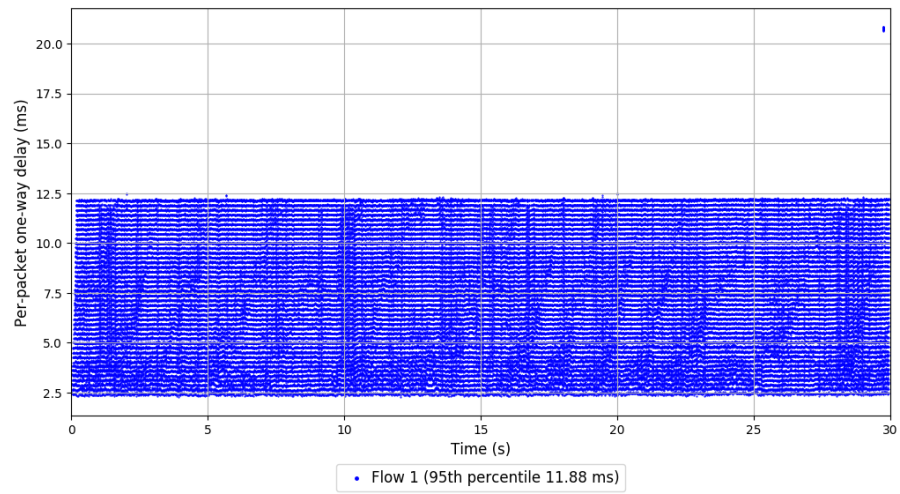
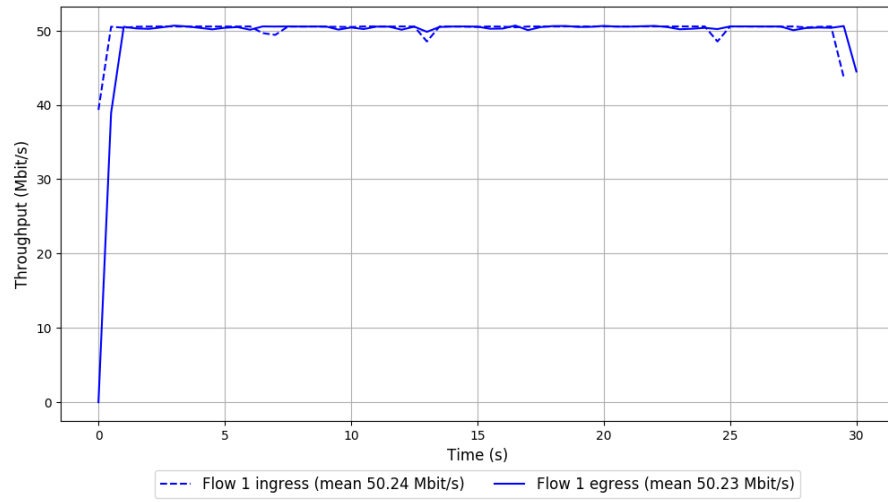
-- Flow 1:

Average throughput: 50.23 Mbit/s

95th percentile per-packet one-way delay: 11.883 ms

Loss rate: 0.00%

Run 4: Report of Sprout — Data Link



Run 5: Statistics of Sprout

Start at: 2019-01-18 20:25:34

End at: 2019-01-18 20:26:04

Local clock offset: -5.311 ms

Remote clock offset: 0.082 ms

Below is generated by plot.py at 2019-01-18 20:56:19

Datalink statistics

-- Total of 1 flow:

Average throughput: 50.23 Mbit/s

95th percentile per-packet one-way delay: 11.656 ms

Loss rate: 0.00%

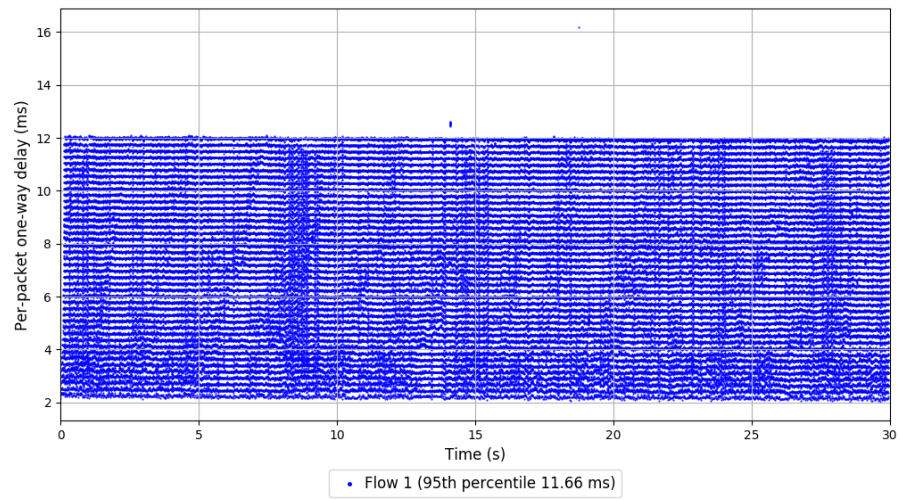
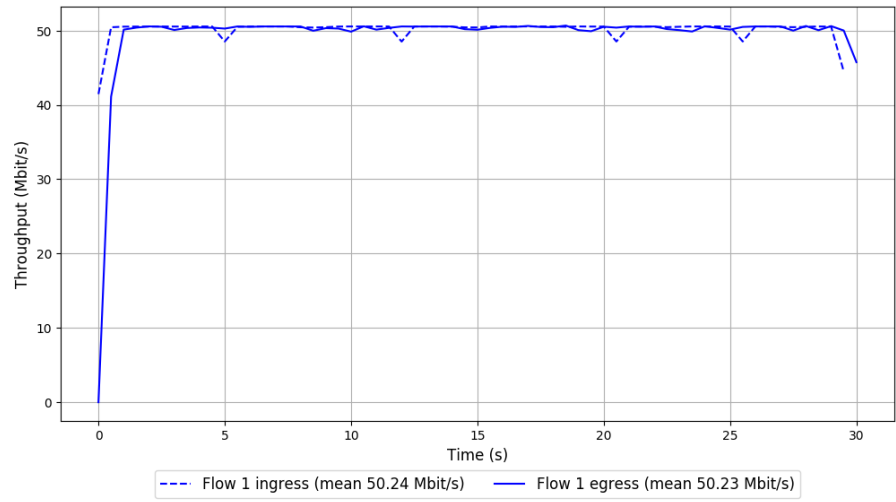
-- Flow 1:

Average throughput: 50.23 Mbit/s

95th percentile per-packet one-way delay: 11.656 ms

Loss rate: 0.00%

Run 5: Report of Sprout — Data Link



Run 1: Statistics of TaoVA-100x

Start at: 2019-01-18 19:01:45

End at: 2019-01-18 19:02:15

Local clock offset: -6.391 ms

Remote clock offset: 0.217 ms

Below is generated by plot.py at 2019-01-18 20:56:19

Datalink statistics

-- Total of 1 flow:

Average throughput: 7.92 Mbit/s

95th percentile per-packet one-way delay: 1.641 ms

Loss rate: 72.92%

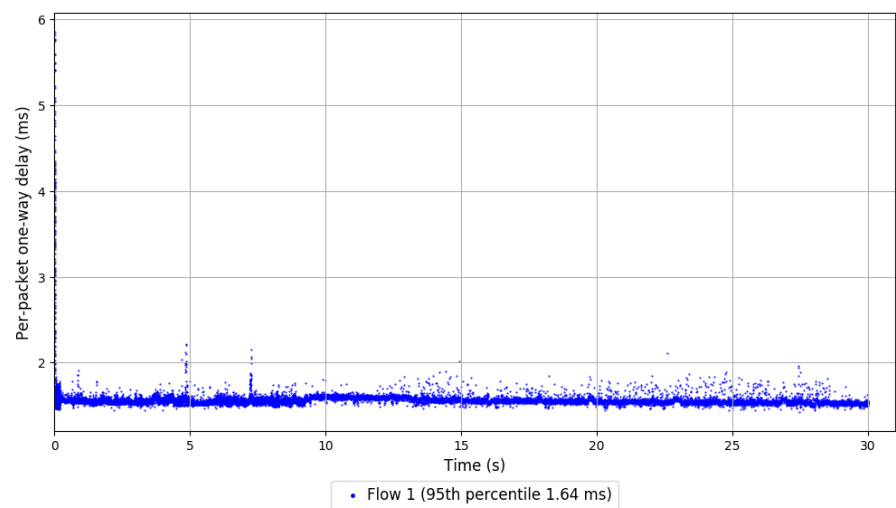
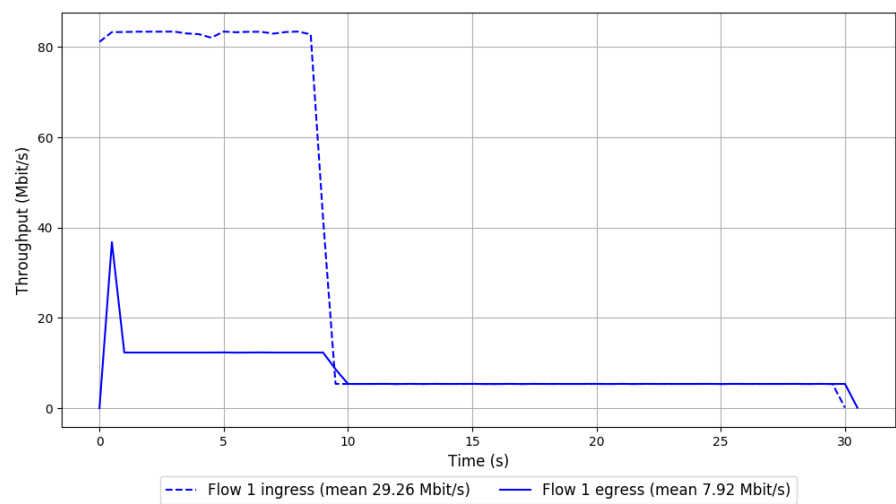
-- Flow 1:

Average throughput: 7.92 Mbit/s

95th percentile per-packet one-way delay: 1.641 ms

Loss rate: 72.92%

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



Run 2: Statistics of TaoVA-100x

Start at: 2019-01-18 19:25:12

End at: 2019-01-18 19:25:42

Local clock offset: -6.384 ms

Remote clock offset: 0.327 ms

Below is generated by plot.py at 2019-01-18 20:56:19

Datalink statistics

-- Total of 1 flow:

Average throughput: 10.08 Mbit/s

95th percentile per-packet one-way delay: 1.075 ms

Loss rate: 81.11%

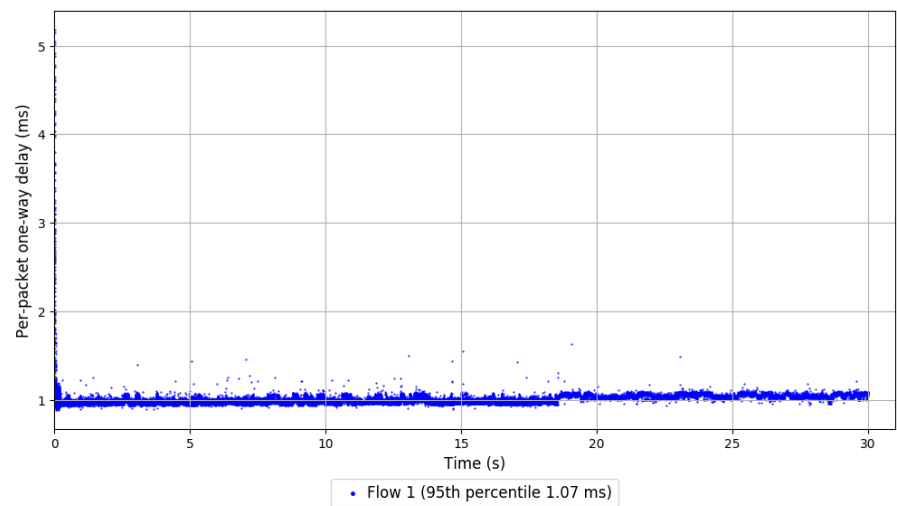
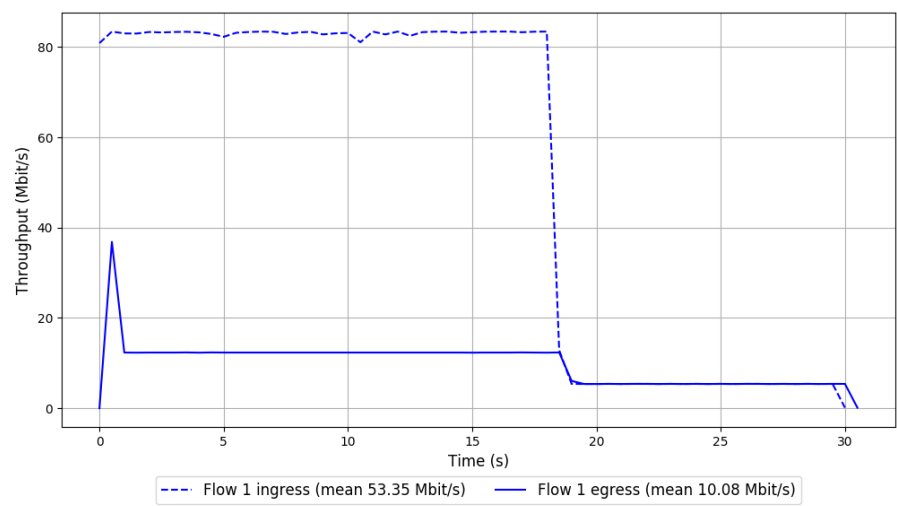
-- Flow 1:

Average throughput: 10.08 Mbit/s

95th percentile per-packet one-way delay: 1.075 ms

Loss rate: 81.11%

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



Run 3: Statistics of TaoVA-100x

Start at: 2019-01-18 19:48:39

End at: 2019-01-18 19:49:09

Local clock offset: -6.359 ms

Remote clock offset: 0.279 ms

Below is generated by plot.py at 2019-01-18 20:56:19

Datalink statistics

-- Total of 1 flow:

Average throughput: 7.92 Mbit/s

95th percentile per-packet one-way delay: 3.517 ms

Loss rate: 72.94%

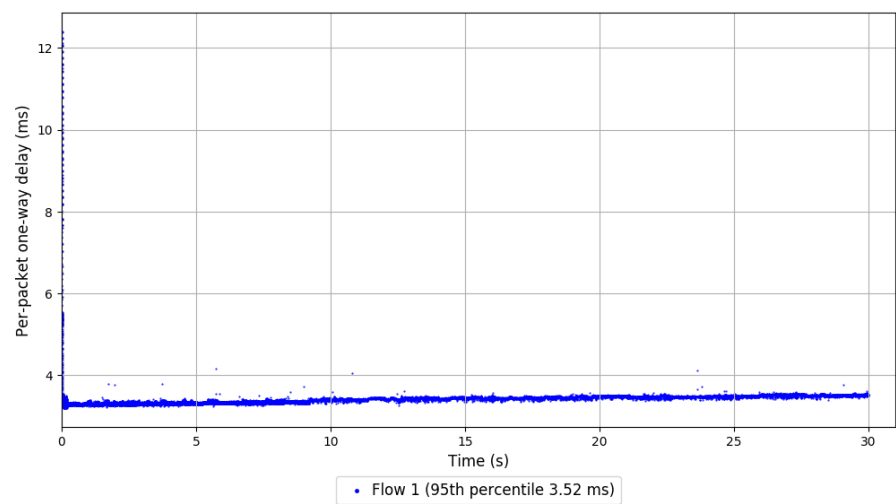
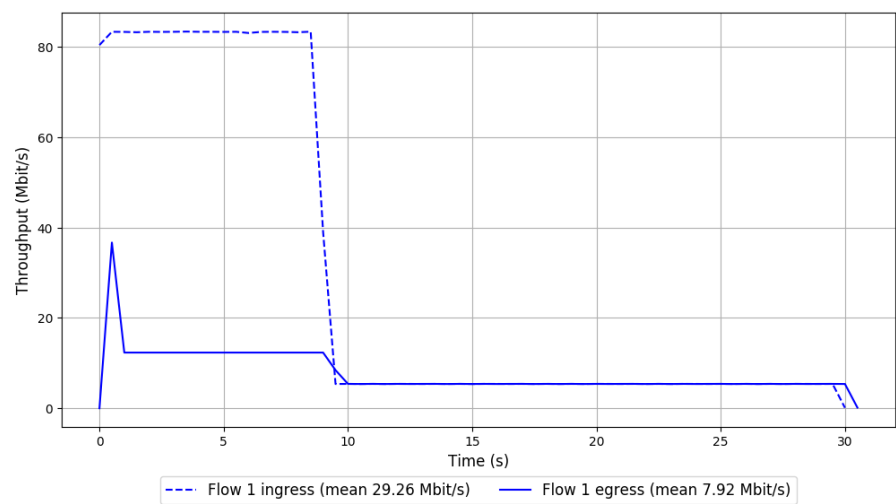
-- Flow 1:

Average throughput: 7.92 Mbit/s

95th percentile per-packet one-way delay: 3.517 ms

Loss rate: 72.94%

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



Run 4: Statistics of TaoVA-100x

Start at: 2019-01-18 20:12:06

End at: 2019-01-18 20:12:36

Local clock offset: -2.145 ms

Remote clock offset: 0.214 ms

Below is generated by plot.py at 2019-01-18 20:56:19

Datalink statistics

-- Total of 1 flow:

Average throughput: 10.07 Mbit/s

95th percentile per-packet one-way delay: 2.561 ms

Loss rate: 81.12%

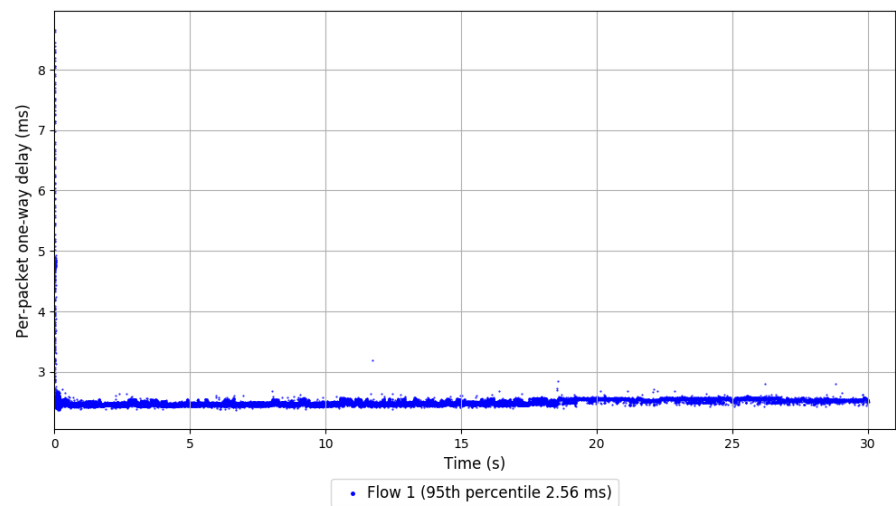
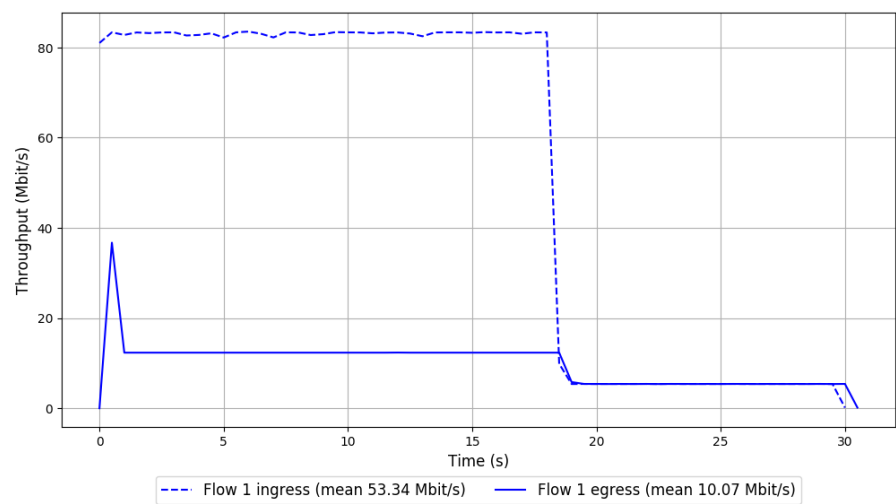
-- Flow 1:

Average throughput: 10.07 Mbit/s

95th percentile per-packet one-way delay: 2.561 ms

Loss rate: 81.12%

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



Run 5: Statistics of TaoVA-100x

Start at: 2019-01-18 20:35:34

End at: 2019-01-18 20:36:04

Local clock offset: -7.7 ms

Remote clock offset: 0.059 ms

Below is generated by plot.py at 2019-01-18 20:56:19

Datalink statistics

-- Total of 1 flow:

Average throughput: 7.92 Mbit/s

95th percentile per-packet one-way delay: 3.142 ms

Loss rate: 72.93%

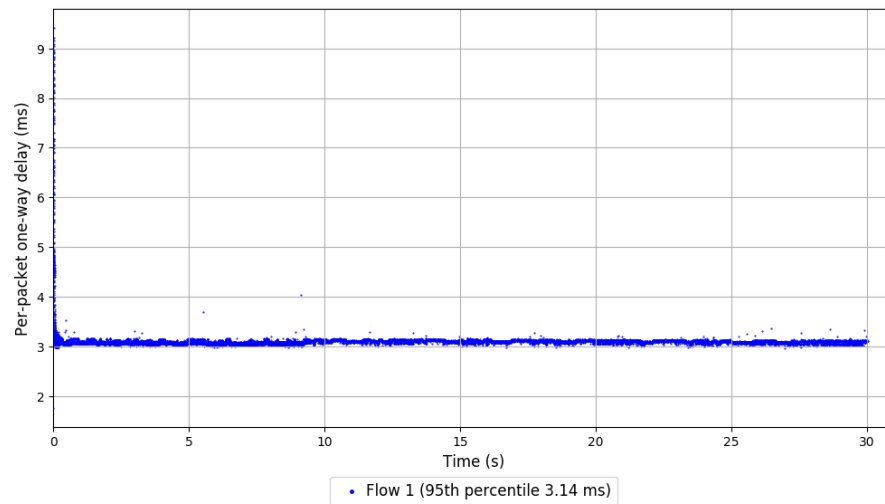
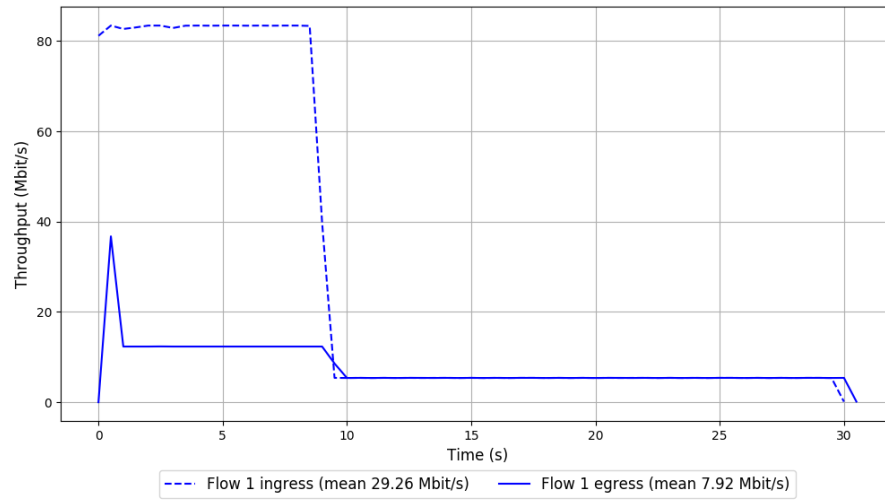
-- Flow 1:

Average throughput: 7.92 Mbit/s

95th percentile per-packet one-way delay: 3.142 ms

Loss rate: 72.93%

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



Run 1: Statistics of TCP Vegas

Start at: 2019-01-18 19:05:07

End at: 2019-01-18 19:05:37

Local clock offset: -6.101 ms

Remote clock offset: 0.183 ms

Below is generated by plot.py at 2019-01-18 20:57:05

Datalink statistics

-- Total of 1 flow:

Average throughput: 97.08 Mbit/s

95th percentile per-packet one-way delay: 2.189 ms

Loss rate: 0.00%

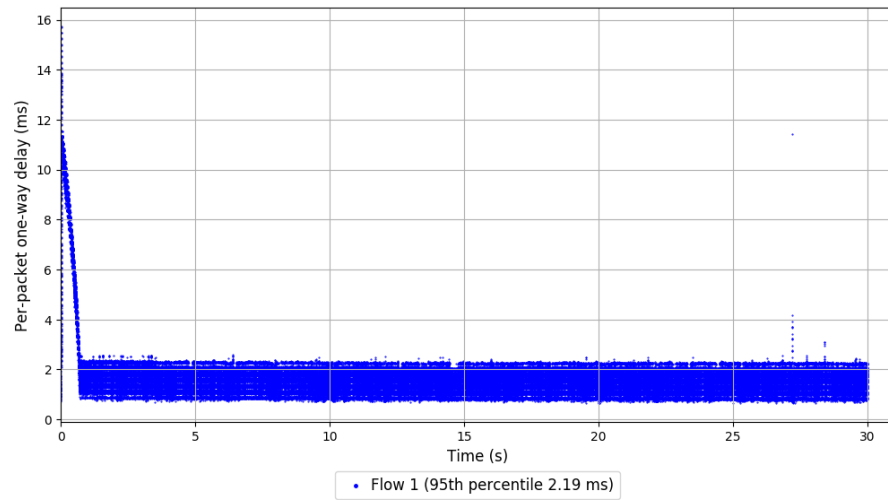
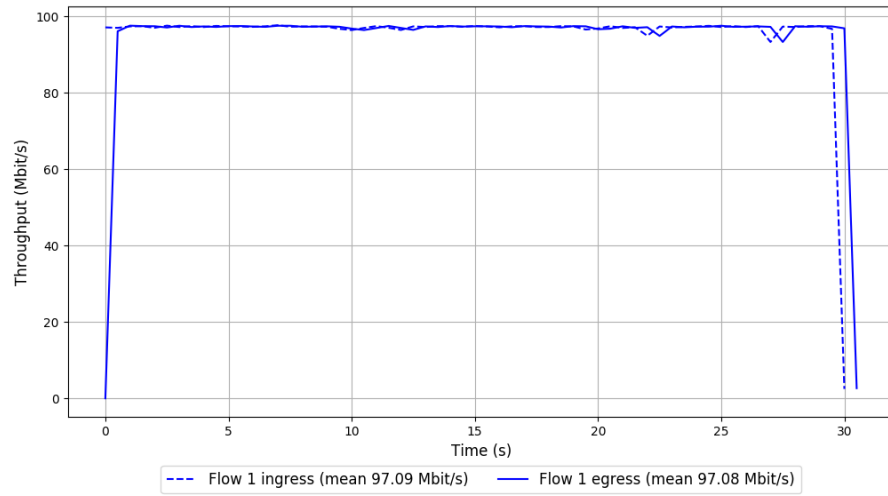
-- Flow 1:

Average throughput: 97.08 Mbit/s

95th percentile per-packet one-way delay: 2.189 ms

Loss rate: 0.00%

Run 1: Report of TCP Vegas — Data Link

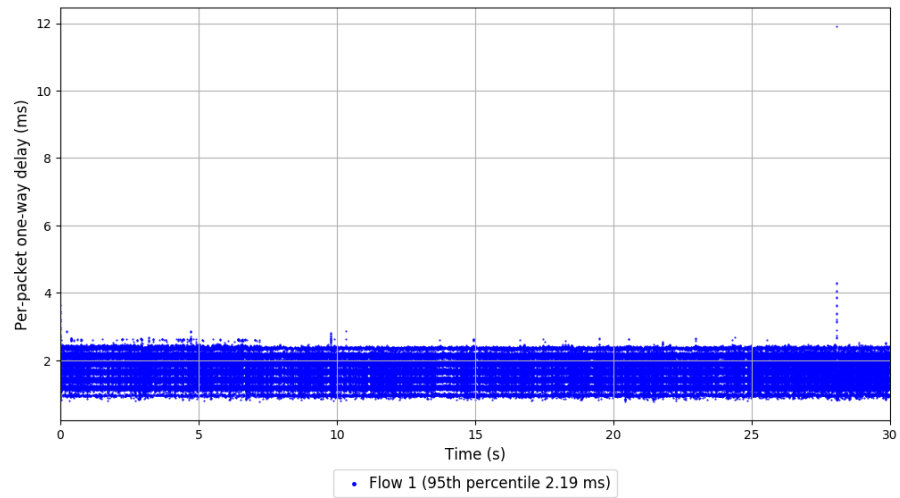
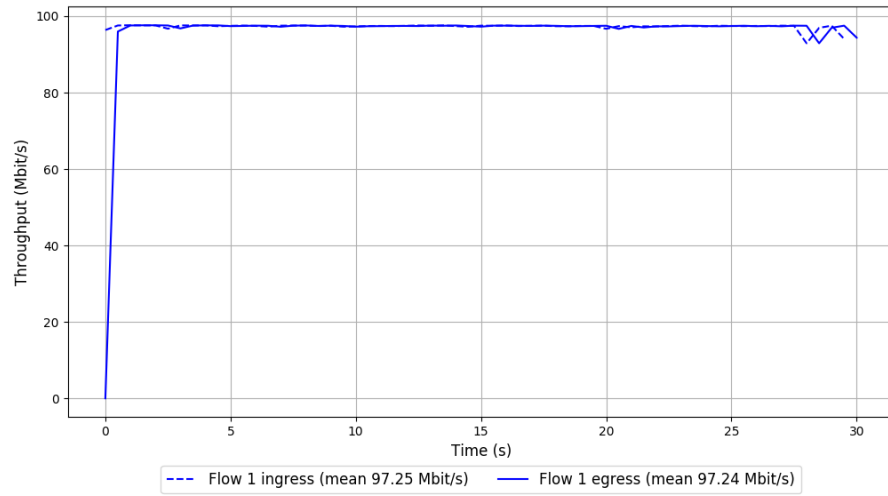


Run 2: Statistics of TCP Vegas

Start at: 2019-01-18 19:28:35
End at: 2019-01-18 19:29:05
Local clock offset: -6.248 ms
Remote clock offset: 0.225 ms

Below is generated by plot.py at 2019-01-18 20:57:09
Datalink statistics
-- Total of 1 flow:
Average throughput: 97.24 Mbit/s
95th percentile per-packet one-way delay: 2.194 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 97.24 Mbit/s
95th percentile per-packet one-way delay: 2.194 ms
Loss rate: 0.00%

Run 2: Report of TCP Vegas — Data Link

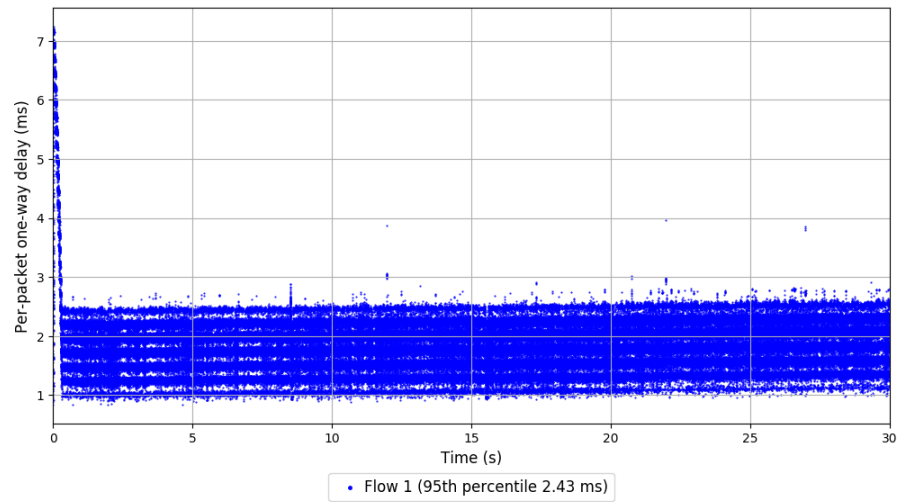
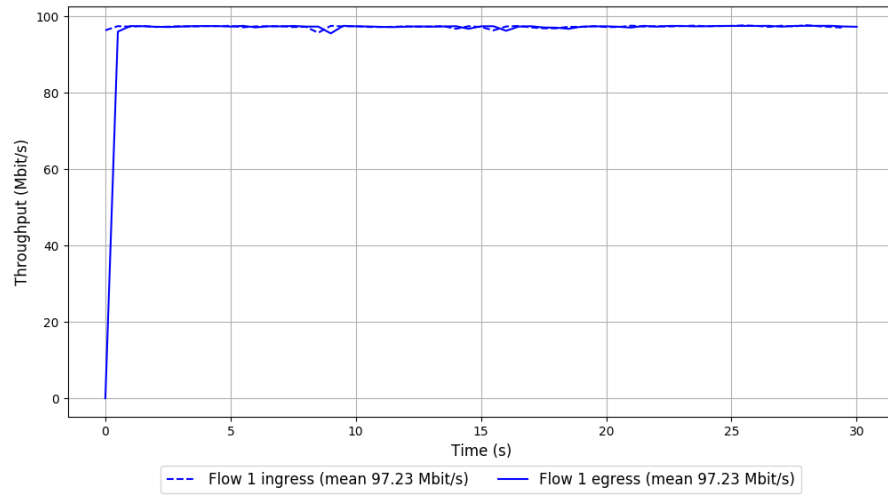


Run 3: Statistics of TCP Vegas

Start at: 2019-01-18 19:52:01
End at: 2019-01-18 19:52:31
Local clock offset: -4.537 ms
Remote clock offset: 0.167 ms

Below is generated by plot.py at 2019-01-18 20:57:10
Datalink statistics
-- Total of 1 flow:
Average throughput: 97.23 Mbit/s
95th percentile per-packet one-way delay: 2.430 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 97.23 Mbit/s
95th percentile per-packet one-way delay: 2.430 ms
Loss rate: 0.00%

Run 3: Report of TCP Vegas — Data Link



Run 4: Statistics of TCP Vegas

Start at: 2019-01-18 20:15:29

End at: 2019-01-18 20:15:59

Local clock offset: -1.941 ms

Remote clock offset: 0.216 ms

Below is generated by plot.py at 2019-01-18 20:57:11

Datalink statistics

-- Total of 1 flow:

Average throughput: 97.21 Mbit/s

95th percentile per-packet one-way delay: 2.478 ms

Loss rate: 0.00%

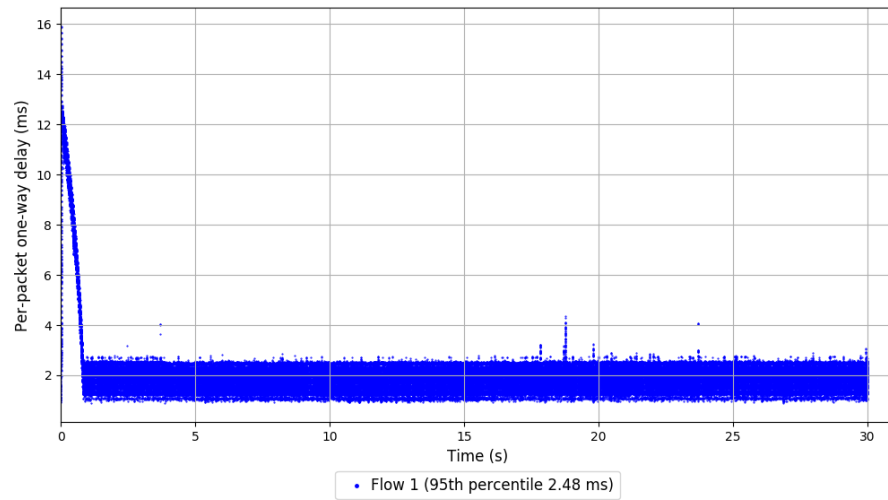
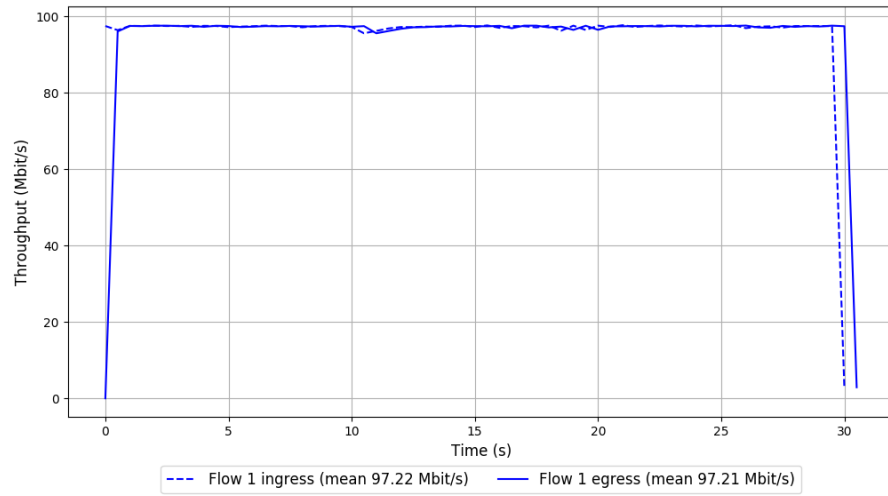
-- Flow 1:

Average throughput: 97.21 Mbit/s

95th percentile per-packet one-way delay: 2.478 ms

Loss rate: 0.00%

Run 4: Report of TCP Vegas — Data Link

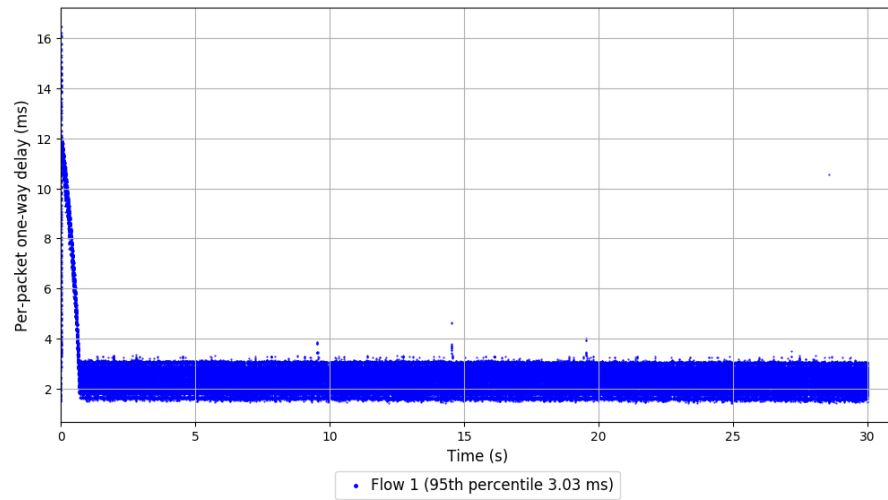
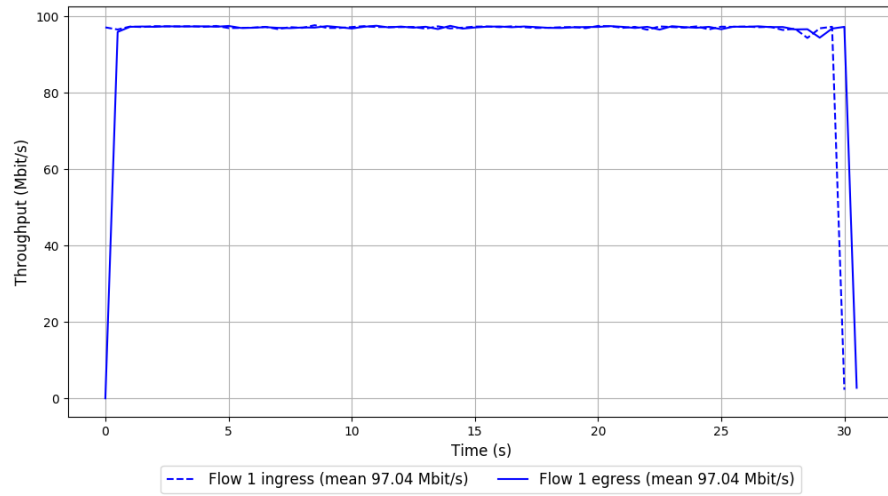


Run 5: Statistics of TCP Vegas

Start at: 2019-01-18 20:38:56
End at: 2019-01-18 20:39:26
Local clock offset: -7.986 ms
Remote clock offset: -0.013 ms

Below is generated by plot.py at 2019-01-18 20:57:12
Datalink statistics
-- Total of 1 flow:
Average throughput: 97.04 Mbit/s
95th percentile per-packet one-way delay: 3.027 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 97.04 Mbit/s
95th percentile per-packet one-way delay: 3.027 ms
Loss rate: 0.00%

Run 5: Report of TCP Vegas — Data Link



Run 1: Statistics of Verus

Start at: 2019-01-18 18:49:32

End at: 2019-01-18 18:50:02

Local clock offset: -1.856 ms

Remote clock offset: 0.219 ms

Below is generated by plot.py at 2019-01-18 20:57:12

Datalink statistics

-- Total of 1 flow:

Average throughput: 37.72 Mbit/s

95th percentile per-packet one-way delay: 8.383 ms

Loss rate: 1.76%

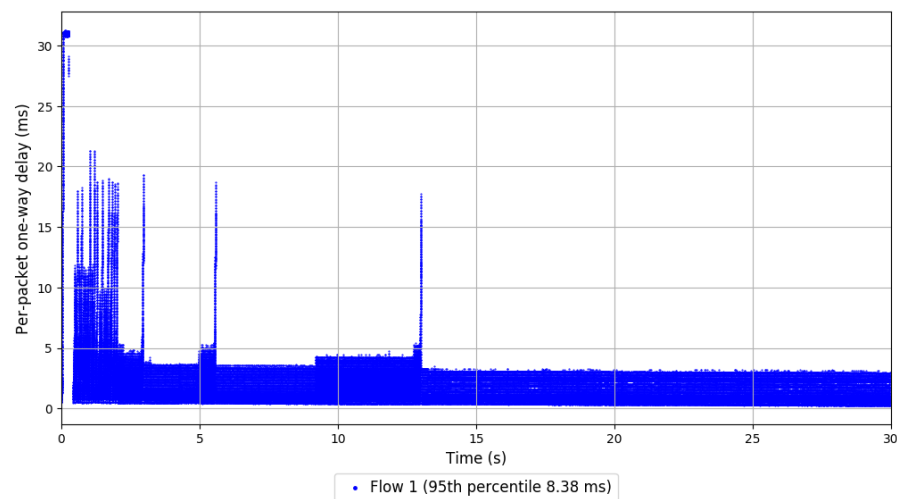
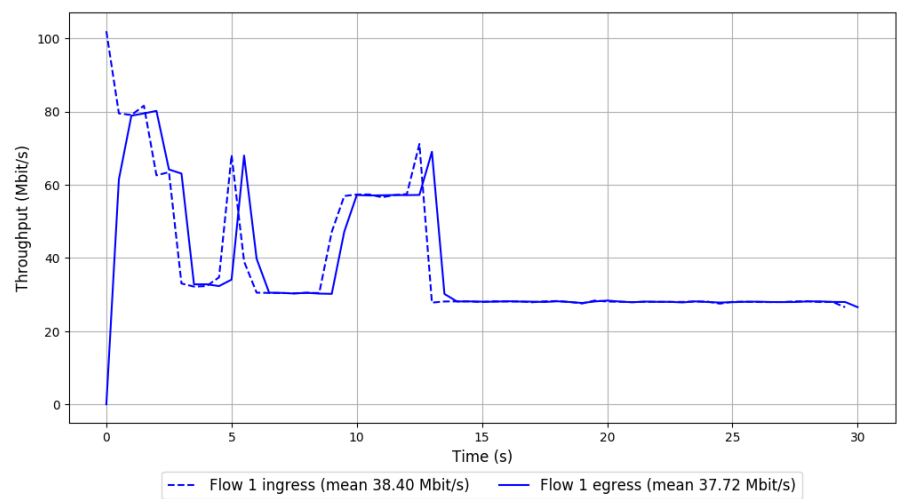
-- Flow 1:

Average throughput: 37.72 Mbit/s

95th percentile per-packet one-way delay: 8.383 ms

Loss rate: 1.76%

Run 1: Report of Verus — Data Link

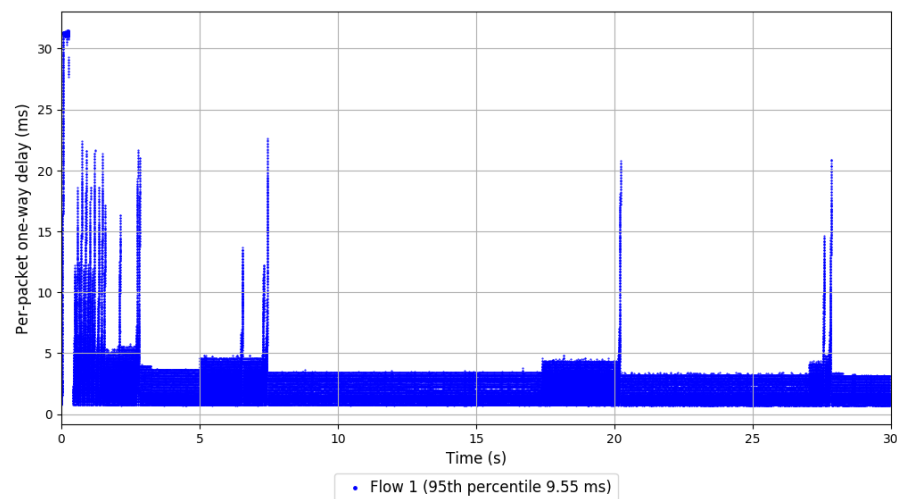
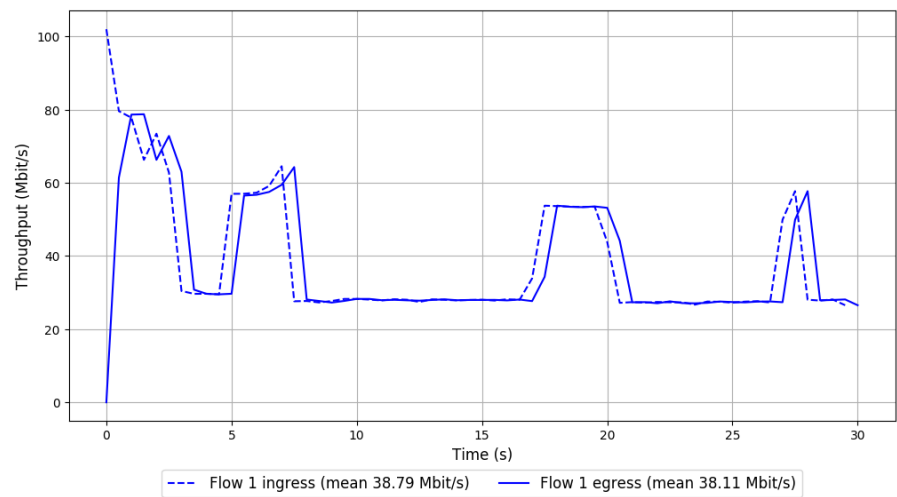


Run 2: Statistics of Verus

Start at: 2019-01-18 19:12:59
End at: 2019-01-18 19:13:29
Local clock offset: -6.849 ms
Remote clock offset: 0.19 ms

Below is generated by plot.py at 2019-01-18 20:57:12
Datalink statistics
-- Total of 1 flow:
Average throughput: 38.11 Mbit/s
95th percentile per-packet one-way delay: 9.548 ms
Loss rate: 1.74%
-- Flow 1:
Average throughput: 38.11 Mbit/s
95th percentile per-packet one-way delay: 9.548 ms
Loss rate: 1.74%

Run 2: Report of Verus — Data Link



Run 3: Statistics of Verus

Start at: 2019-01-18 19:36:25

End at: 2019-01-18 19:36:55

Local clock offset: -6.912 ms

Remote clock offset: 0.318 ms

Below is generated by plot.py at 2019-01-18 20:57:12

Datalink statistics

-- Total of 1 flow:

Average throughput: 71.22 Mbit/s

95th percentile per-packet one-way delay: 9.988 ms

Loss rate: 1.07%

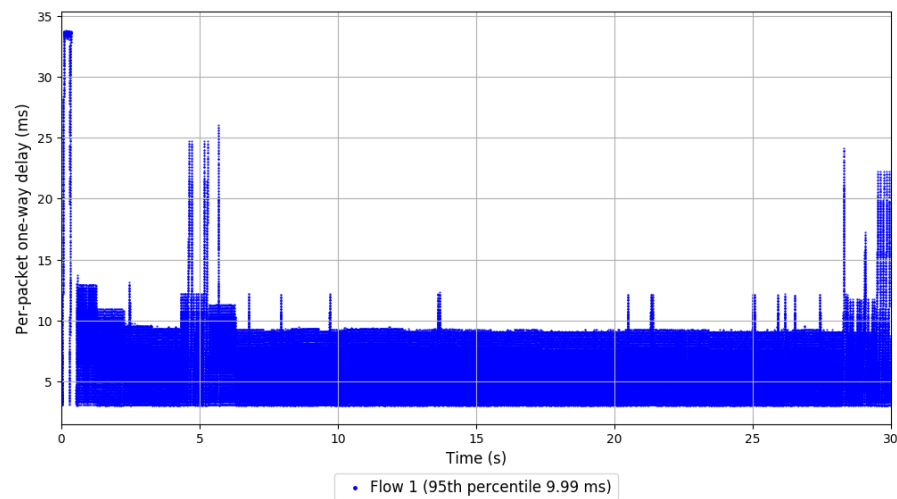
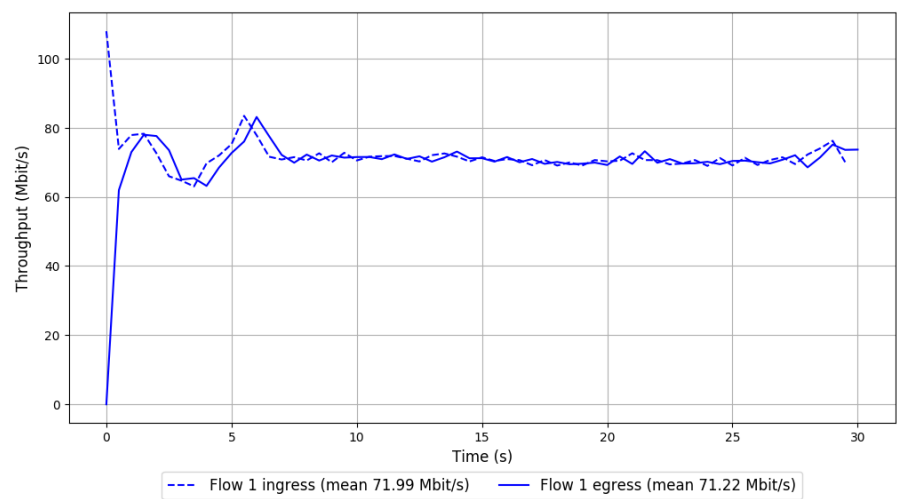
-- Flow 1:

Average throughput: 71.22 Mbit/s

95th percentile per-packet one-way delay: 9.988 ms

Loss rate: 1.07%

Run 3: Report of Verus — Data Link



Run 4: Statistics of Verus

Start at: 2019-01-18 19:59:51

End at: 2019-01-18 20:00:21

Local clock offset: -3.132 ms

Remote clock offset: 0.276 ms

Below is generated by plot.py at 2019-01-18 20:57:30

Datalink statistics

-- Total of 1 flow:

Average throughput: 80.80 Mbit/s

95th percentile per-packet one-way delay: 11.631 ms

Loss rate: 0.83%

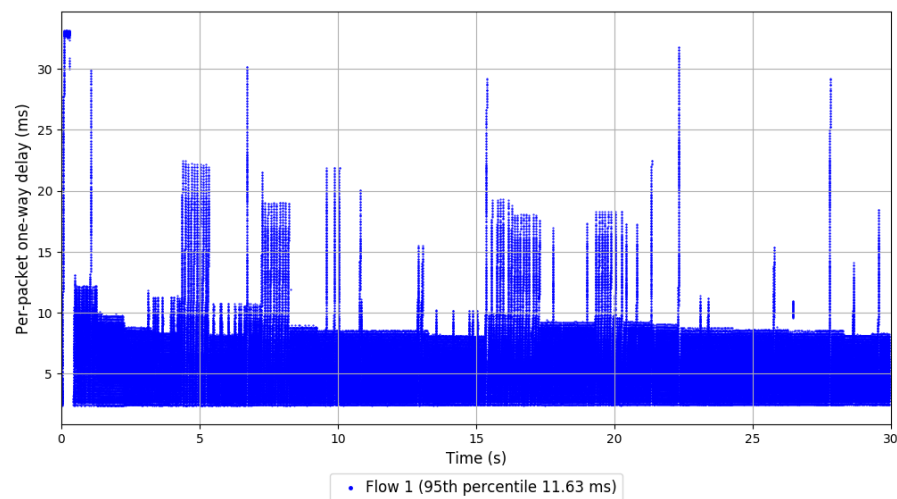
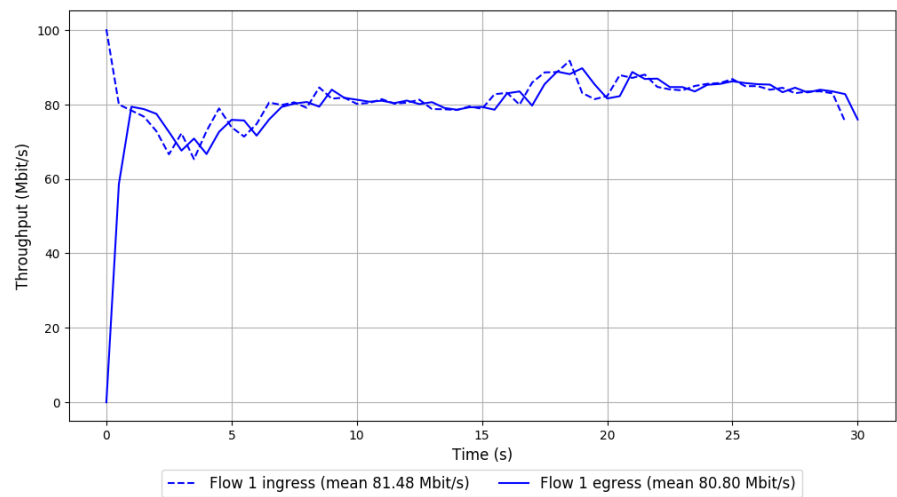
-- Flow 1:

Average throughput: 80.80 Mbit/s

95th percentile per-packet one-way delay: 11.631 ms

Loss rate: 0.83%

Run 4: Report of Verus — Data Link



Run 5: Statistics of Verus

Start at: 2019-01-18 20:23:19

End at: 2019-01-18 20:23:49

Local clock offset: -4.615 ms

Remote clock offset: 0.125 ms

Below is generated by plot.py at 2019-01-18 20:57:32

Datalink statistics

-- Total of 1 flow:

Average throughput: 77.15 Mbit/s

95th percentile per-packet one-way delay: 11.687 ms

Loss rate: 0.87%

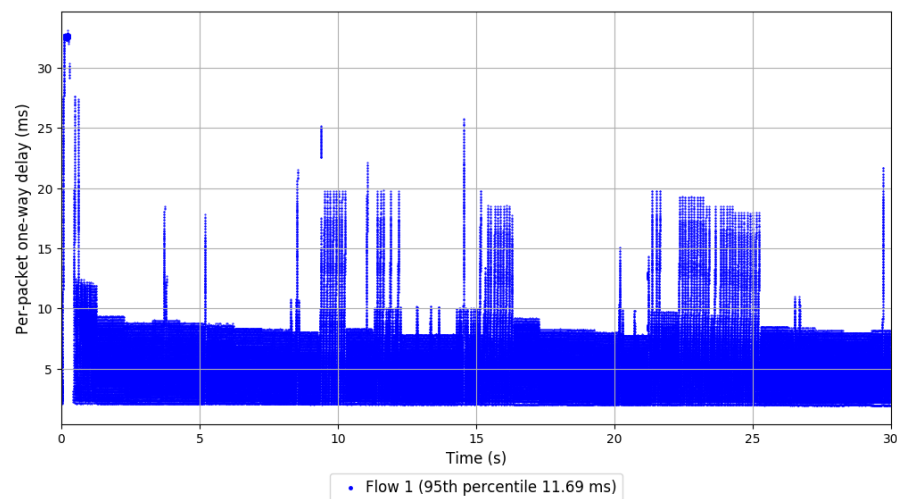
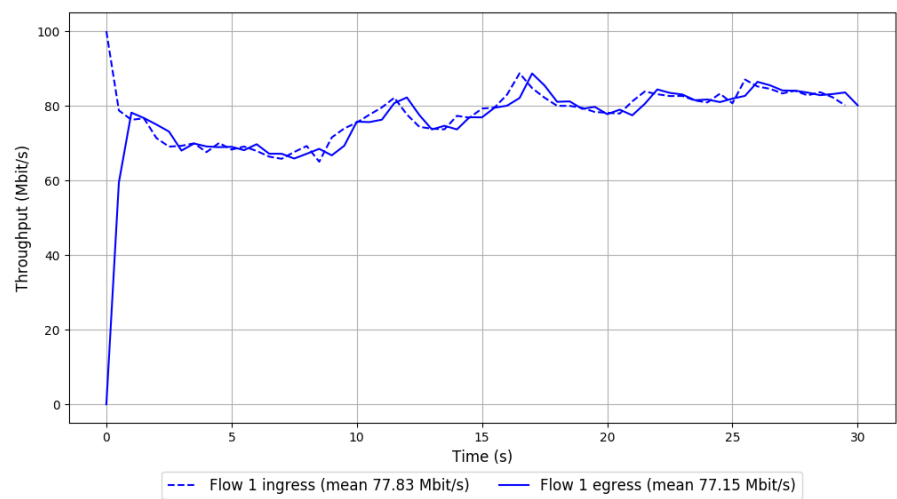
-- Flow 1:

Average throughput: 77.15 Mbit/s

95th percentile per-packet one-way delay: 11.687 ms

Loss rate: 0.87%

Run 5: Report of Verus — Data Link



Run 1: Statistics of PCC-Vivace

Start at: 2019-01-18 18:57:15

End at: 2019-01-18 18:57:45

Local clock offset: -4.797 ms

Remote clock offset: 0.24 ms

Below is generated by plot.py at 2019-01-18 20:57:53

Datalink statistics

-- Total of 1 flow:

Average throughput: 77.75 Mbit/s

95th percentile per-packet one-way delay: 0.976 ms

Loss rate: 0.00%

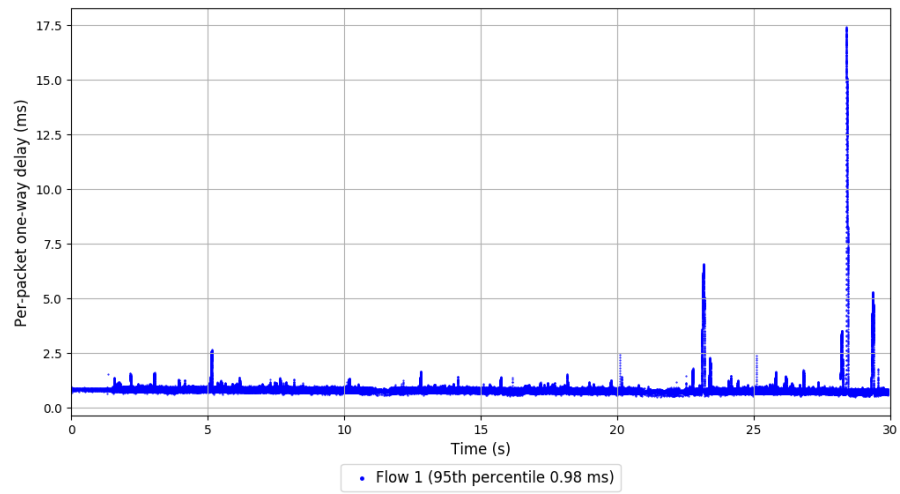
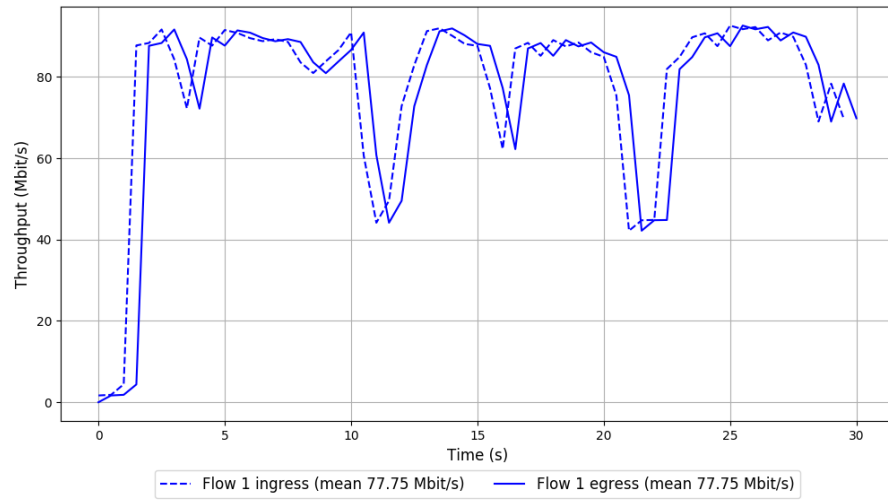
-- Flow 1:

Average throughput: 77.75 Mbit/s

95th percentile per-packet one-way delay: 0.976 ms

Loss rate: 0.00%

Run 1: Report of PCC-Vivace — Data Link



Run 2: Statistics of PCC-Vivace

Start at: 2019-01-18 19:20:42

End at: 2019-01-18 19:21:12

Local clock offset: -6.733 ms

Remote clock offset: 0.188 ms

Below is generated by plot.py at 2019-01-18 20:57:56

Datalink statistics

-- Total of 1 flow:

Average throughput: 75.67 Mbit/s

95th percentile per-packet one-way delay: 1.587 ms

Loss rate: 0.01%

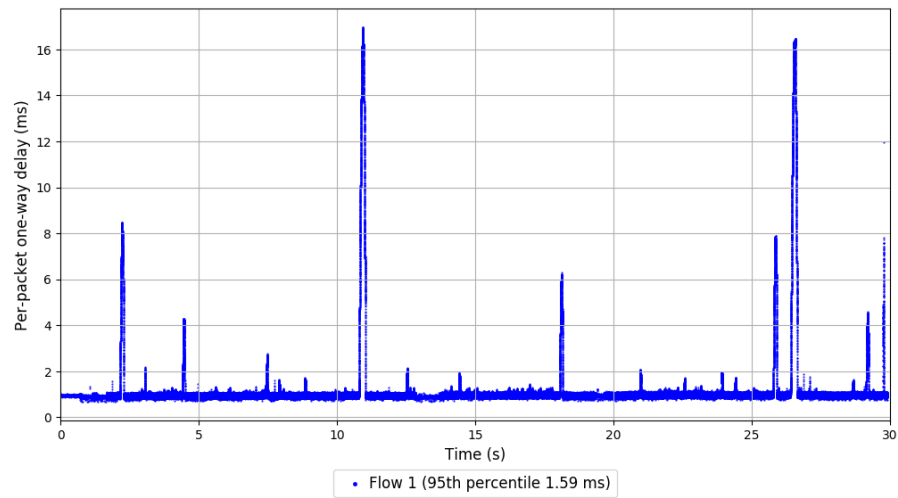
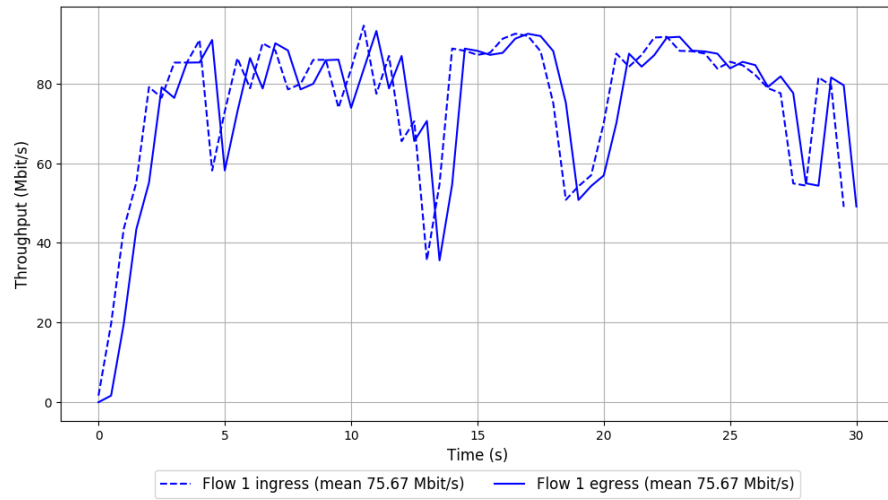
-- Flow 1:

Average throughput: 75.67 Mbit/s

95th percentile per-packet one-way delay: 1.587 ms

Loss rate: 0.01%

Run 2: Report of PCC-Vivace — Data Link



Run 3: Statistics of PCC-Vivace

Start at: 2019-01-18 19:44:09

End at: 2019-01-18 19:44:39

Local clock offset: -6.201 ms

Remote clock offset: 0.241 ms

Below is generated by plot.py at 2019-01-18 20:57:58

Datalink statistics

-- Total of 1 flow:

Average throughput: 88.00 Mbit/s

95th percentile per-packet one-way delay: 2.457 ms

Loss rate: 0.00%

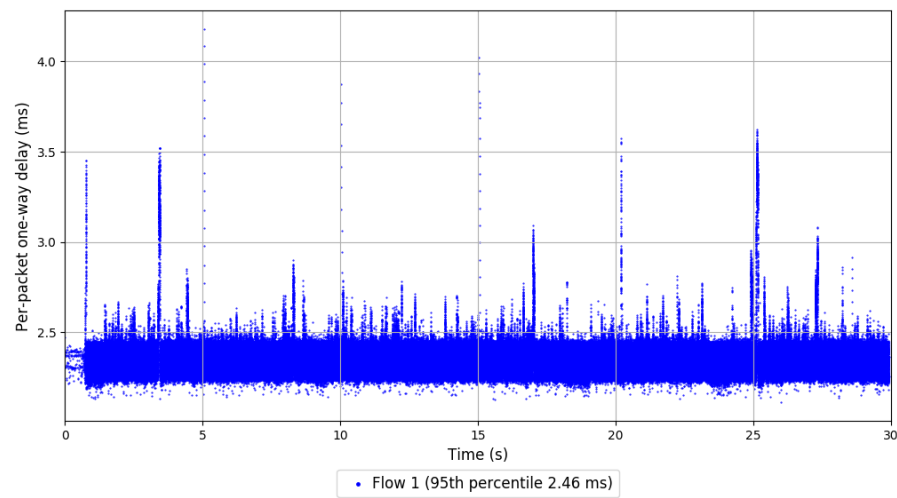
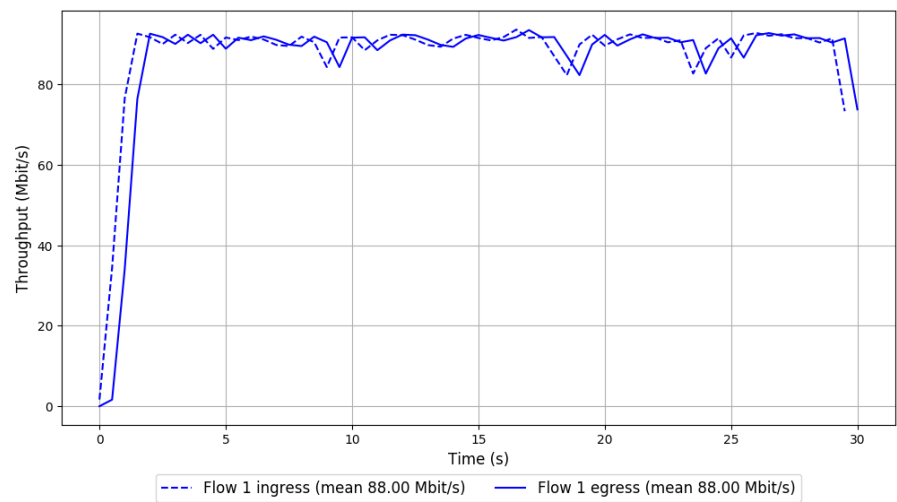
-- Flow 1:

Average throughput: 88.00 Mbit/s

95th percentile per-packet one-way delay: 2.457 ms

Loss rate: 0.00%

Run 3: Report of PCC-Vivace — Data Link



Run 4: Statistics of PCC-Vivace

Start at: 2019-01-18 20:07:36

End at: 2019-01-18 20:08:06

Local clock offset: -3.133 ms

Remote clock offset: 0.159 ms

Below is generated by plot.py at 2019-01-18 20:57:58

Datalink statistics

-- Total of 1 flow:

Average throughput: 88.40 Mbit/s

95th percentile per-packet one-way delay: 3.284 ms

Loss rate: 0.00%

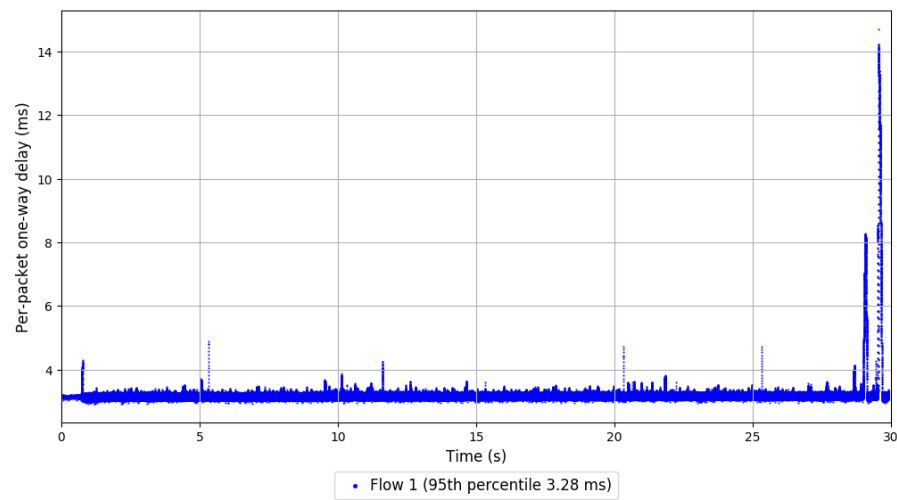
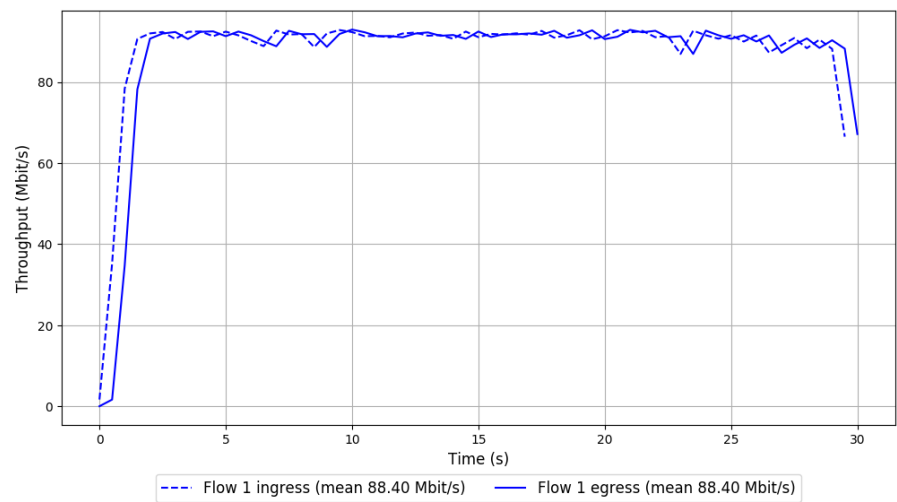
-- Flow 1:

Average throughput: 88.40 Mbit/s

95th percentile per-packet one-way delay: 3.284 ms

Loss rate: 0.00%

Run 4: Report of PCC-Vivace — Data Link



Run 5: Statistics of PCC-Vivace

Start at: 2019-01-18 20:31:04

End at: 2019-01-18 20:31:34

Local clock offset: -7.141 ms

Remote clock offset: 0.084 ms

Below is generated by plot.py at 2019-01-18 20:57:58

Datalink statistics

-- Total of 1 flow:

Average throughput: 79.30 Mbit/s

95th percentile per-packet one-way delay: 1.838 ms

Loss rate: 0.00%

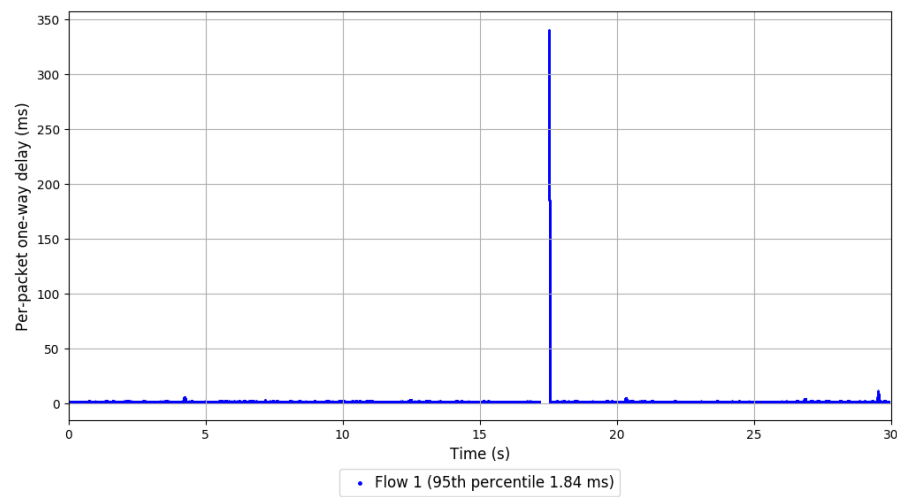
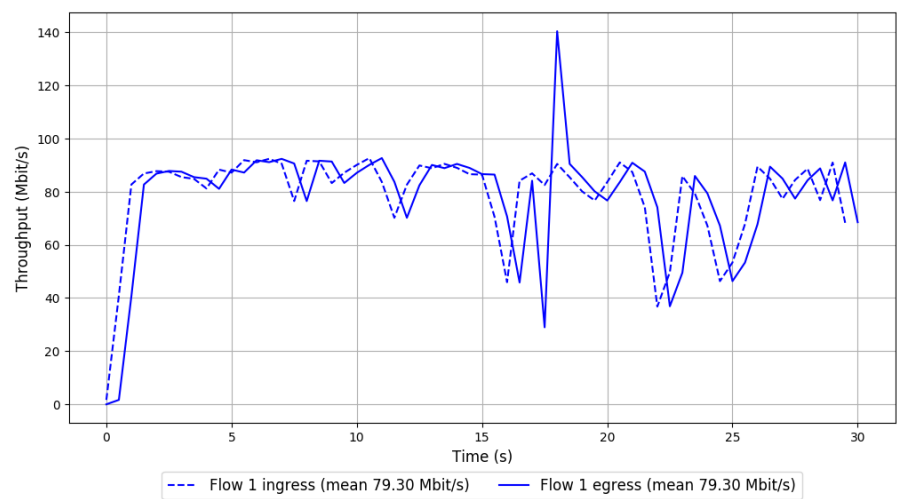
-- Flow 1:

Average throughput: 79.30 Mbit/s

95th percentile per-packet one-way delay: 1.838 ms

Loss rate: 0.00%

Run 5: Report of PCC-Vivace — Data Link



Run 1: Statistics of WebRTC media

Start at: 2019-01-18 18:52:50

End at: 2019-01-18 18:53:20

Local clock offset: -3.435 ms

Remote clock offset: 0.207 ms

Below is generated by plot.py at 2019-01-18 20:57:58

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.05 Mbit/s

95th percentile per-packet one-way delay: 3.513 ms

Loss rate: 0.00%

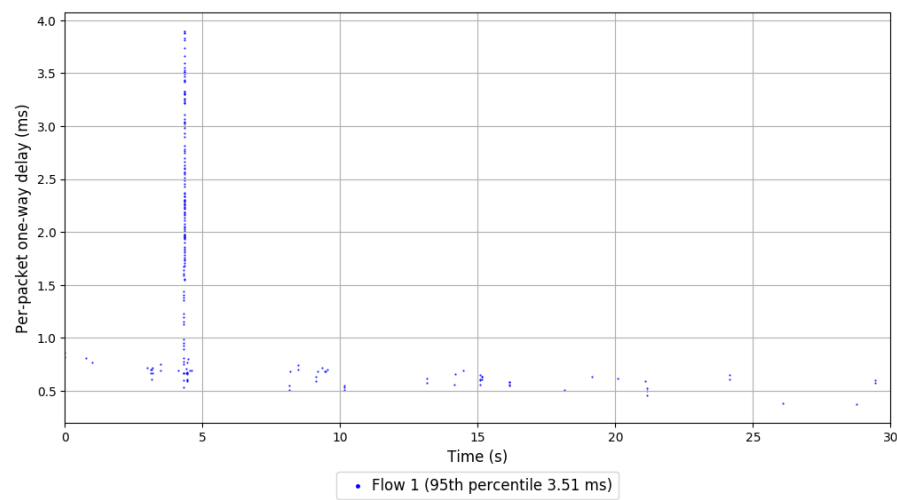
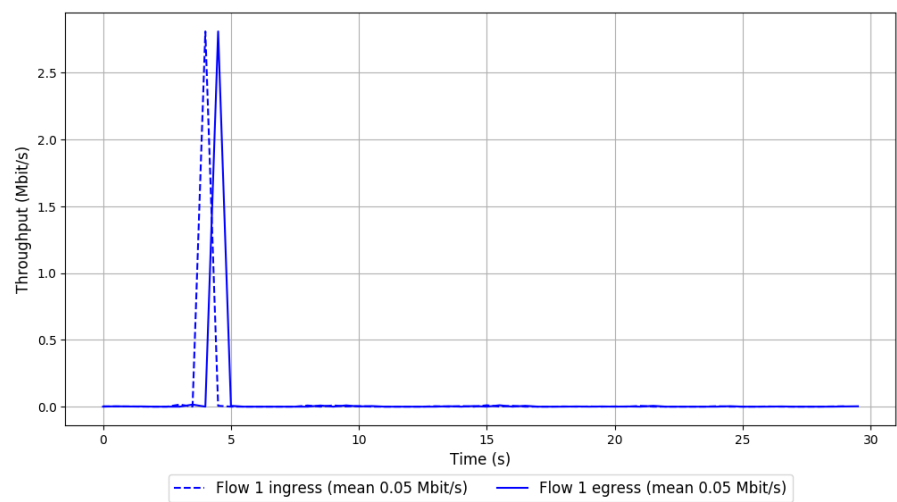
-- Flow 1:

Average throughput: 0.05 Mbit/s

95th percentile per-packet one-way delay: 3.513 ms

Loss rate: 0.00%

Run 1: Report of WebRTC media — Data Link



Run 2: Statistics of WebRTC media

Start at: 2019-01-18 19:16:17

End at: 2019-01-18 19:16:47

Local clock offset: -7.006 ms

Remote clock offset: 0.262 ms

Below is generated by plot.py at 2019-01-18 20:57:58

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.05 Mbit/s

95th percentile per-packet one-way delay: 3.731 ms

Loss rate: 0.00%

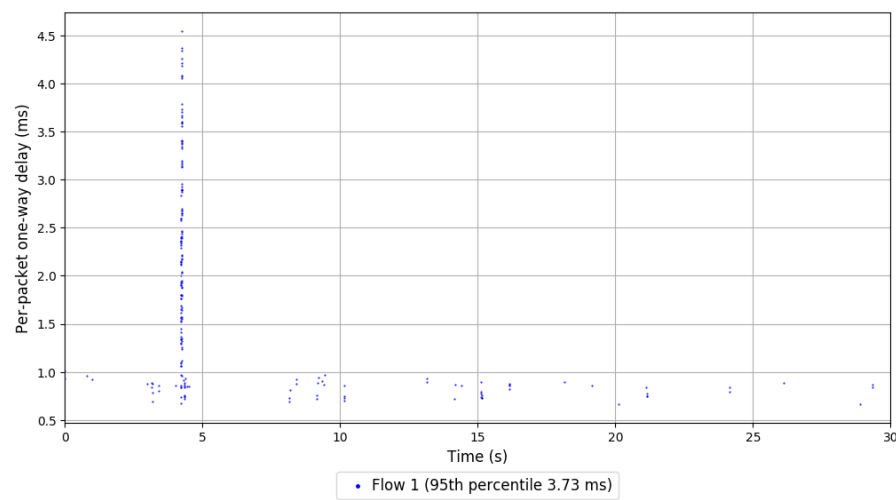
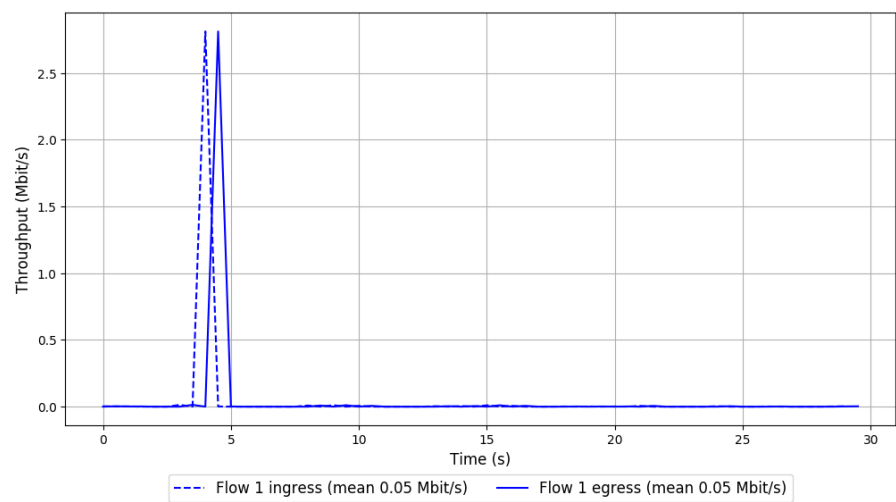
-- Flow 1:

Average throughput: 0.05 Mbit/s

95th percentile per-packet one-way delay: 3.731 ms

Loss rate: 0.00%

Run 2: Report of WebRTC media — Data Link



Run 3: Statistics of WebRTC media

Start at: 2019-01-18 19:39:44

End at: 2019-01-18 19:40:14

Local clock offset: -6.995 ms

Remote clock offset: 0.281 ms

Below is generated by plot.py at 2019-01-18 20:57:58

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.05 Mbit/s

95th percentile per-packet one-way delay: 6.911 ms

Loss rate: 0.00%

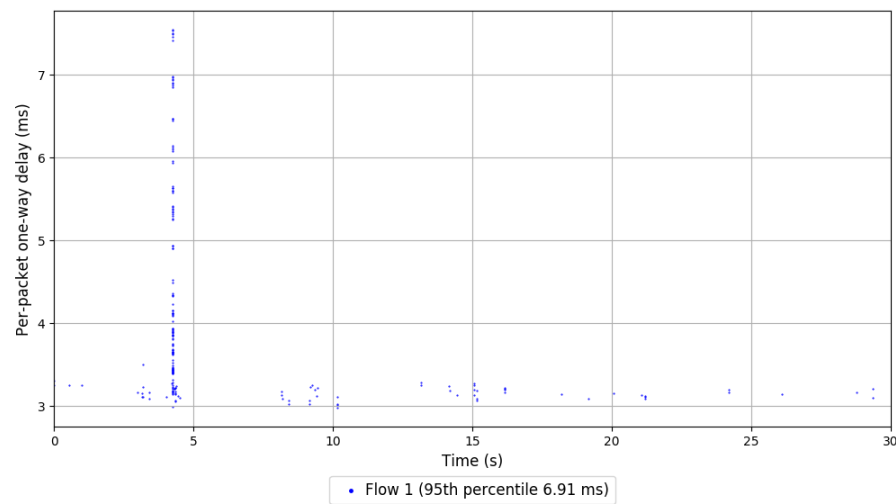
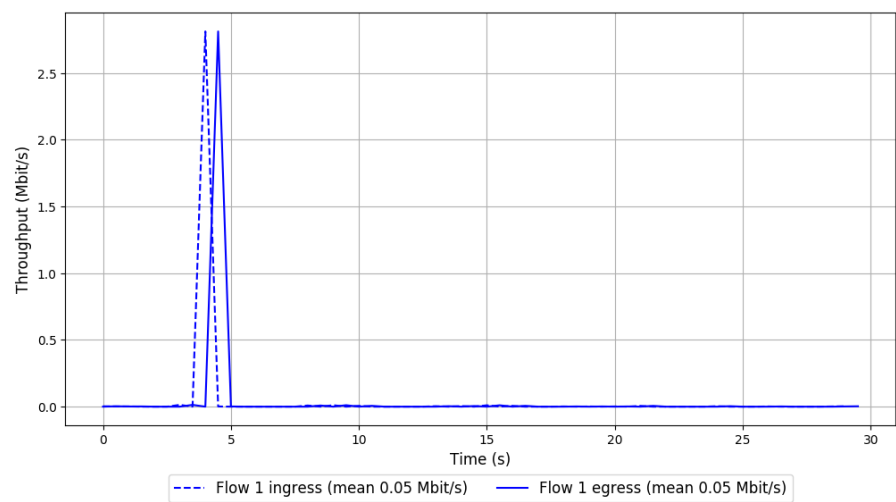
-- Flow 1:

Average throughput: 0.05 Mbit/s

95th percentile per-packet one-way delay: 6.911 ms

Loss rate: 0.00%

Run 3: Report of WebRTC media — Data Link



Run 4: Statistics of WebRTC media

Start at: 2019-01-18 20:03:11

End at: 2019-01-18 20:03:41

Local clock offset: -2.714 ms

Remote clock offset: 0.234 ms

Below is generated by plot.py at 2019-01-18 20:57:58

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.05 Mbit/s

95th percentile per-packet one-way delay: 4.451 ms

Loss rate: 0.00%

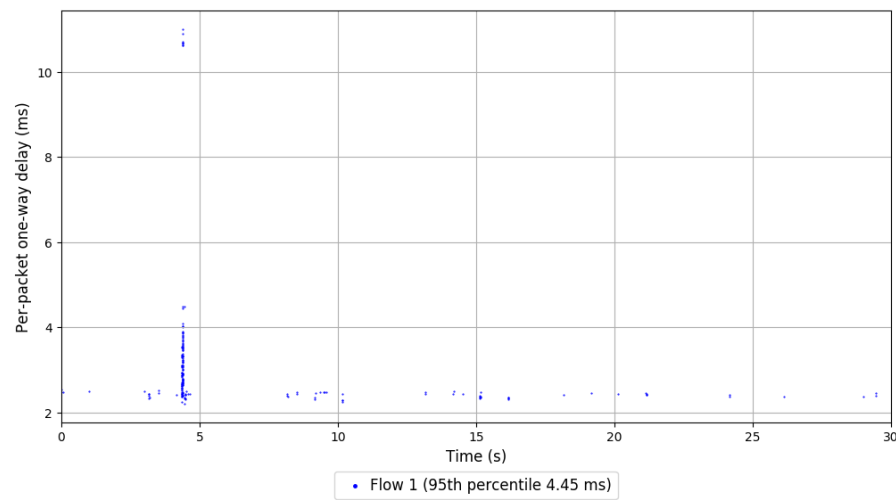
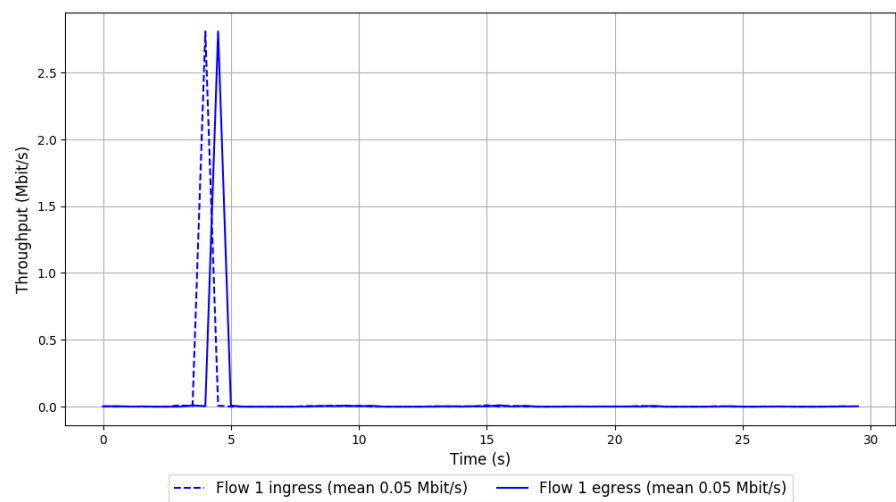
-- Flow 1:

Average throughput: 0.05 Mbit/s

95th percentile per-packet one-way delay: 4.451 ms

Loss rate: 0.00%

Run 4: Report of WebRTC media — Data Link



Run 5: Statistics of WebRTC media

Start at: 2019-01-18 20:26:40

End at: 2019-01-18 20:27:10

Local clock offset: -6.291 ms

Remote clock offset: 0.176 ms

Below is generated by plot.py at 2019-01-18 20:57:58

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.05 Mbit/s

95th percentile per-packet one-way delay: 8.422 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 0.05 Mbit/s

95th percentile per-packet one-way delay: 8.422 ms

Loss rate: 0.00%

Run 5: Report of WebRTC media — Data Link

