

Pantheon Report

Generated at 2019-02-05 15:04:02 (UTC).

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

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	96.50	5.89	0.02
Copa	5	94.58	9.34	0.06
TCP Cubic	5	97.51	8.35	0.06
FillP	5	95.98	8.47	0.01
FillP-Sheep	5	94.47	4.84	0.01
Indigo	5	96.31	2.81	0.01
Indigo-MusesC3	5	87.43	2.76	0.01
Indigo-MusesC5	5	27.61	3.61	0.01
Indigo-MusesD	5	59.28	2.52	0.01
Indigo-MusesT	5	76.00	2.40	0.01
LEDBAT	5	96.48	9.70	0.09
PCC-Allegro	5	84.76	4.75	0.01
PCC-Expr	5	26.86	22.93	0.05
QUIC Cubic	5	90.00	8.30	0.01
SCReAM	5	0.22	1.02	0.03
Sprout	5	50.32	9.43	0.02
TaoVA-100x	5	86.23	1.04	0.01
TCP Vegas	5	96.72	1.93	0.01
Verus	5	57.15	7.78	0.02
PCC-Vivace	5	29.39	1.00	0.01
WebRTC media	5	2.37	1.41	0.02

Run 1: Statistics of TCP BBR

Start at: 2019-02-05 12:54:42

End at: 2019-02-05 12:55:12

Local clock offset: -2.569 ms

Remote clock offset: -0.586 ms

Below is generated by plot.py at 2019-02-05 14:52:34

Datalink statistics

-- Total of 1 flow:

Average throughput: 96.48 Mbit/s

95th percentile per-packet one-way delay: 6.000 ms

Loss rate: 0.02%

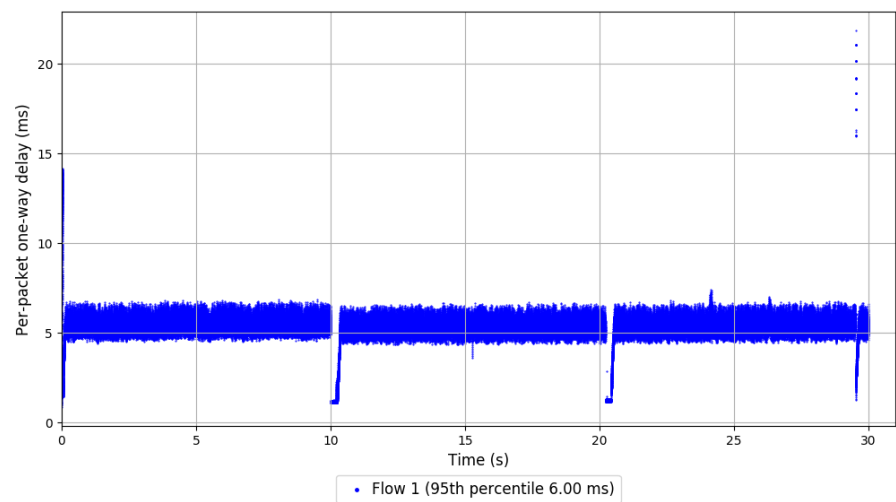
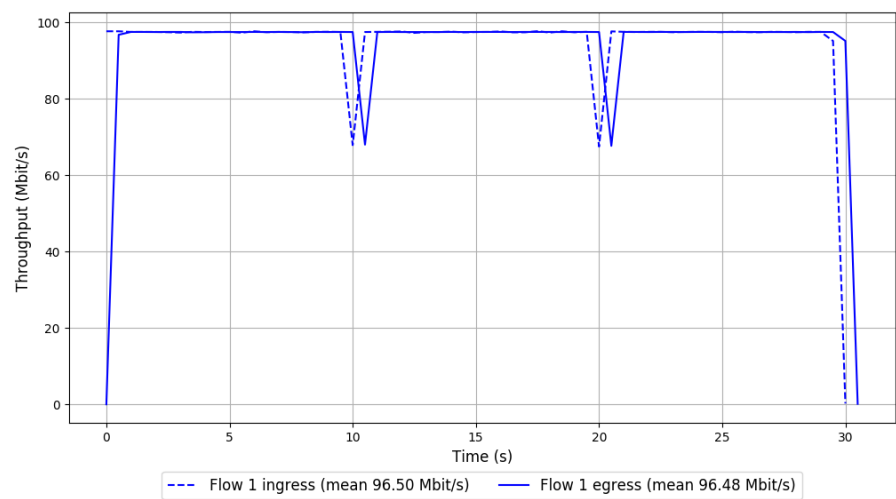
-- Flow 1:

Average throughput: 96.48 Mbit/s

95th percentile per-packet one-way delay: 6.000 ms

Loss rate: 0.02%

Run 1: Report of TCP BBR — Data Link

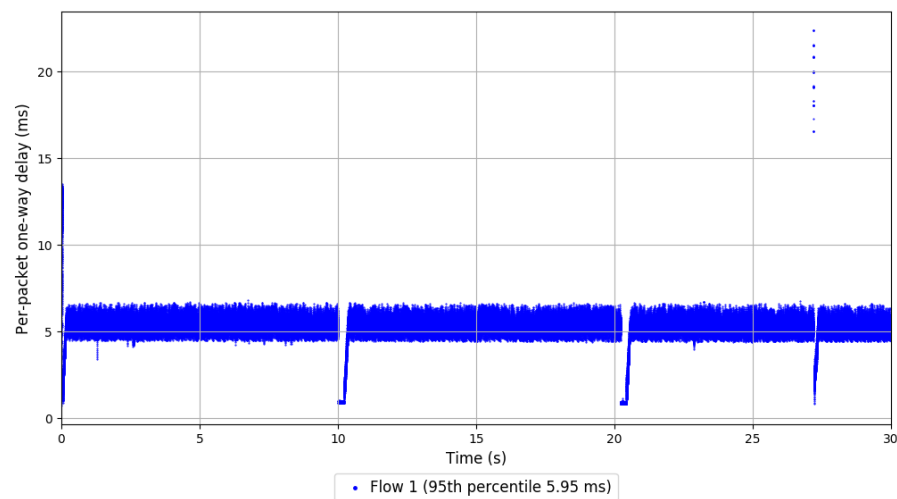
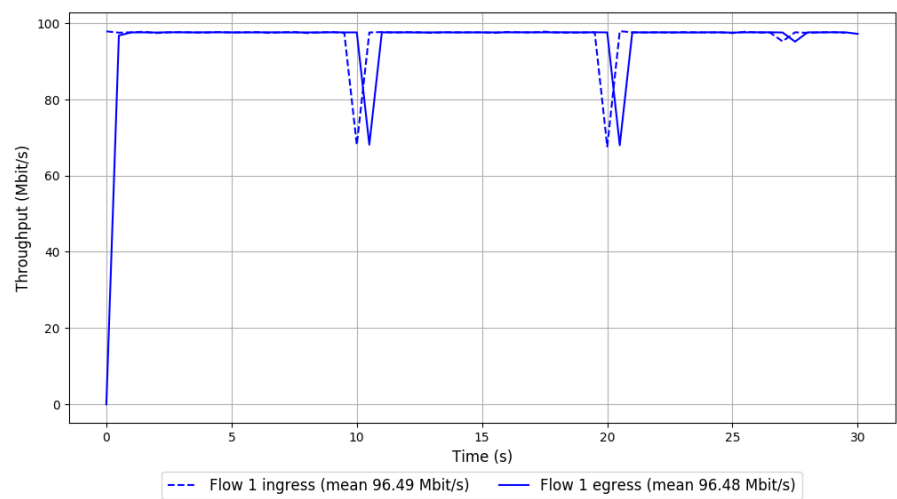


Run 2: Statistics of TCP BBR

Start at: 2019-02-05 13:18:16
End at: 2019-02-05 13:18:46
Local clock offset: -7.331 ms
Remote clock offset: -0.332 ms

Below is generated by plot.py at 2019-02-05 14:52:34
Datalink statistics
-- Total of 1 flow:
Average throughput: 96.48 Mbit/s
95th percentile per-packet one-way delay: 5.946 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 96.48 Mbit/s
95th percentile per-packet one-way delay: 5.946 ms
Loss rate: 0.02%

Run 2: Report of TCP BBR — Data Link



Run 3: Statistics of TCP BBR

Start at: 2019-02-05 13:41:54

End at: 2019-02-05 13:42:24

Local clock offset: -6.826 ms

Remote clock offset: 0.176 ms

Below is generated by plot.py at 2019-02-05 14:52:34

Datalink statistics

-- Total of 1 flow:

Average throughput: 96.52 Mbit/s

95th percentile per-packet one-way delay: 5.771 ms

Loss rate: 0.02%

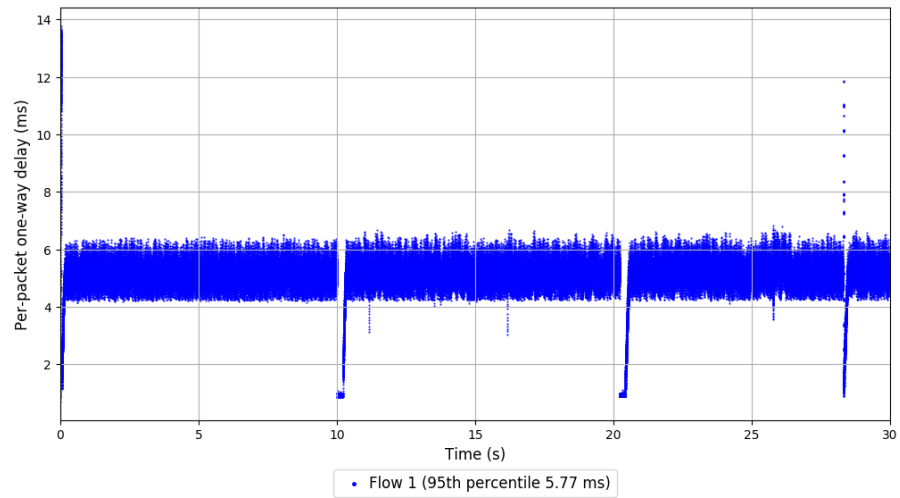
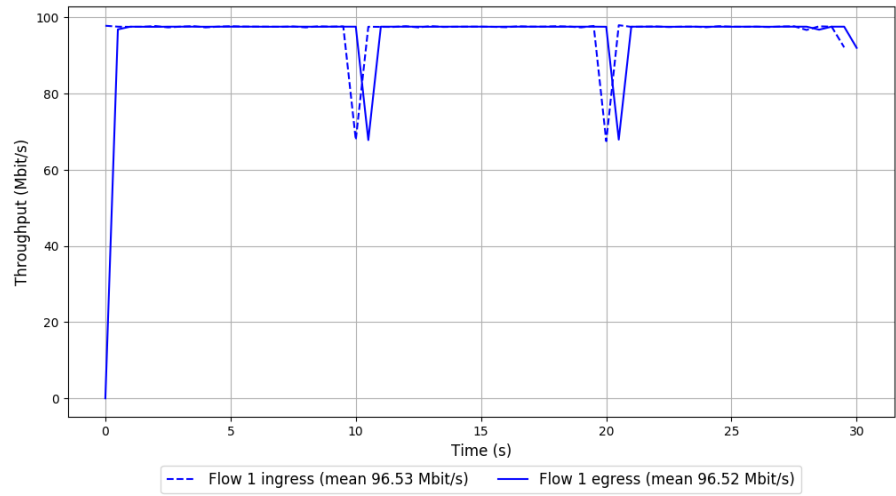
-- Flow 1:

Average throughput: 96.52 Mbit/s

95th percentile per-packet one-way delay: 5.771 ms

Loss rate: 0.02%

Run 3: Report of TCP BBR — Data Link



Run 4: Statistics of TCP BBR

Start at: 2019-02-05 14:05:25

End at: 2019-02-05 14:05:55

Local clock offset: -5.232 ms

Remote clock offset: 0.268 ms

Below is generated by plot.py at 2019-02-05 14:52:34

Datalink statistics

-- Total of 1 flow:

Average throughput: 96.53 Mbit/s

95th percentile per-packet one-way delay: 5.911 ms

Loss rate: 0.02%

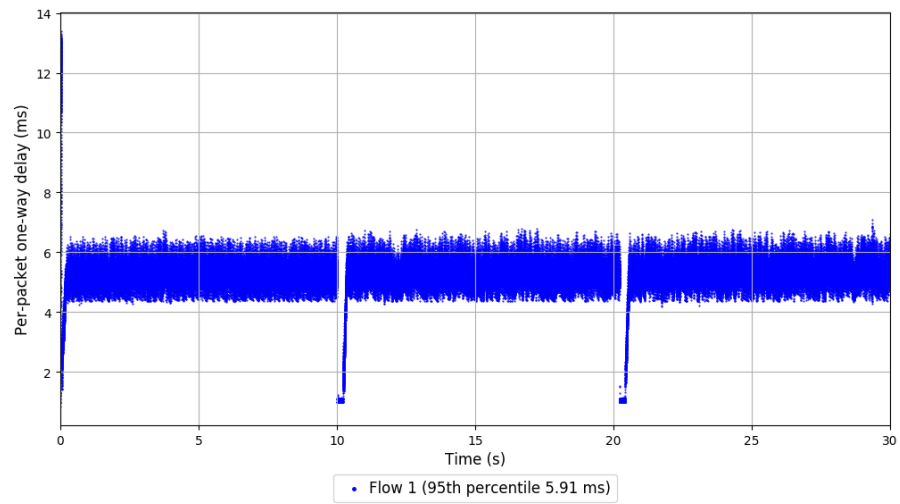
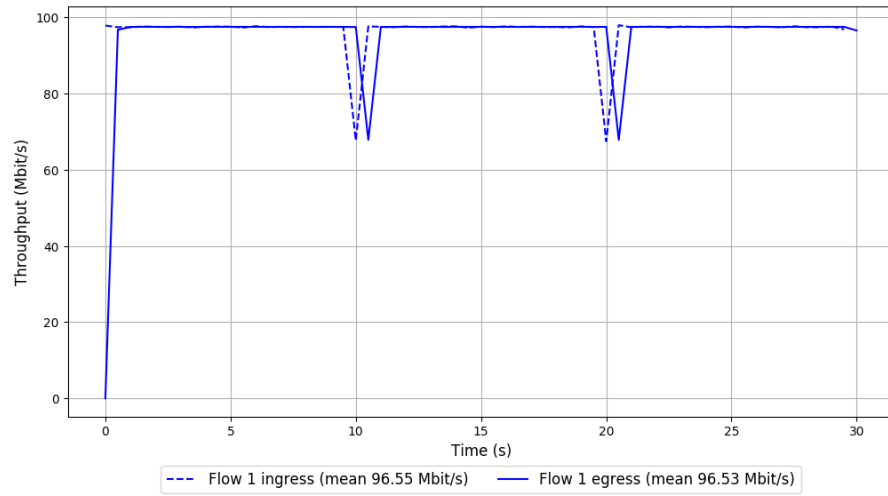
-- Flow 1:

Average throughput: 96.53 Mbit/s

95th percentile per-packet one-way delay: 5.911 ms

Loss rate: 0.02%

Run 4: Report of TCP BBR — Data Link



Run 5: Statistics of TCP BBR

Start at: 2019-02-05 14:29:01

End at: 2019-02-05 14:29:31

Local clock offset: -4.393 ms

Remote clock offset: 0.474 ms

Below is generated by plot.py at 2019-02-05 14:52:34

Datalink statistics

-- Total of 1 flow:

Average throughput: 96.50 Mbit/s

95th percentile per-packet one-way delay: 5.822 ms

Loss rate: 0.02%

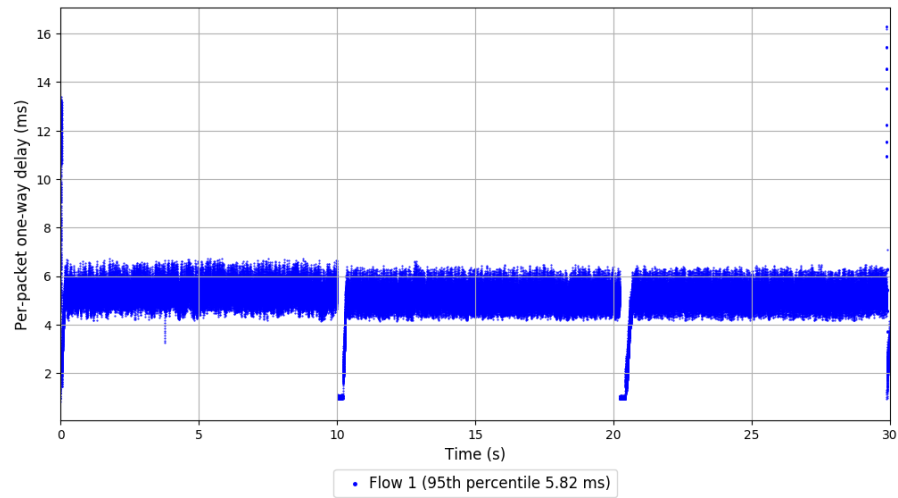
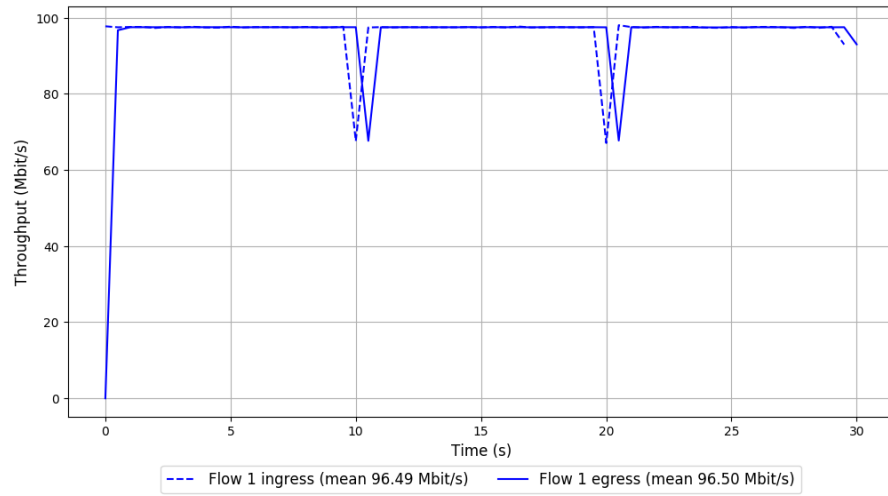
-- Flow 1:

Average throughput: 96.50 Mbit/s

95th percentile per-packet one-way delay: 5.822 ms

Loss rate: 0.02%

Run 5: Report of TCP BBR — Data Link

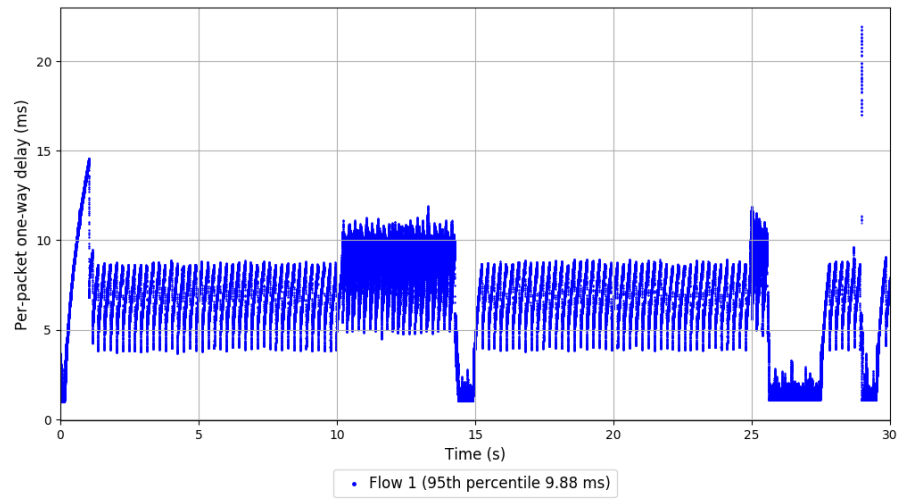
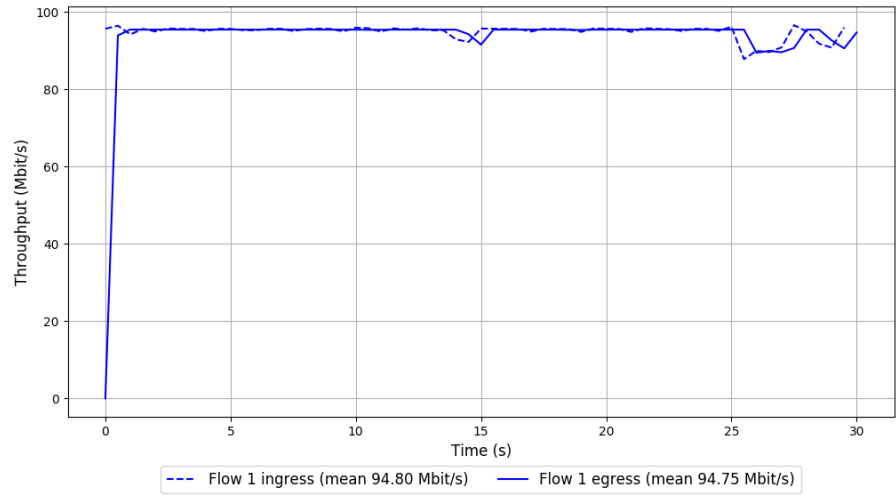


Run 1: Statistics of Copa

Start at: 2019-02-05 13:12:36
End at: 2019-02-05 13:13:07
Local clock offset: -7.37 ms
Remote clock offset: -0.477 ms

Below is generated by plot.py at 2019-02-05 14:53:35
Datalink statistics
-- Total of 1 flow:
Average throughput: 94.75 Mbit/s
95th percentile per-packet one-way delay: 9.876 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 94.75 Mbit/s
95th percentile per-packet one-way delay: 9.876 ms
Loss rate: 0.07%

Run 1: Report of Copa — Data Link

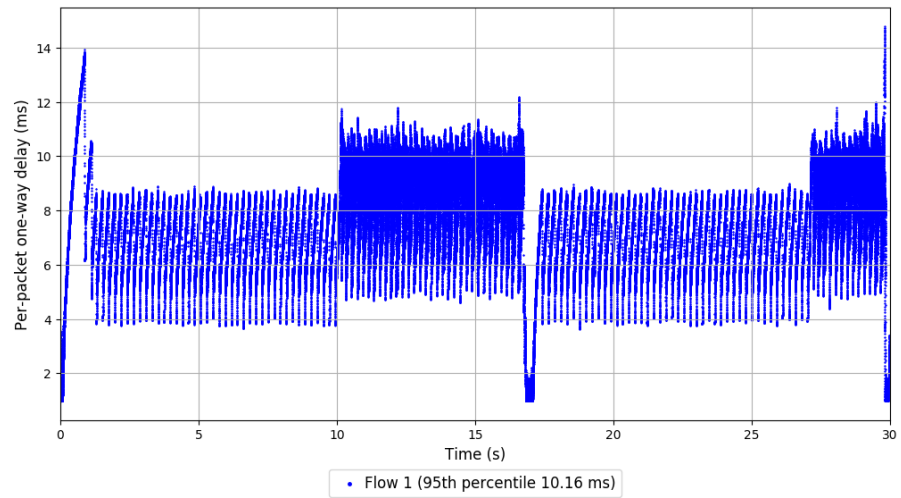
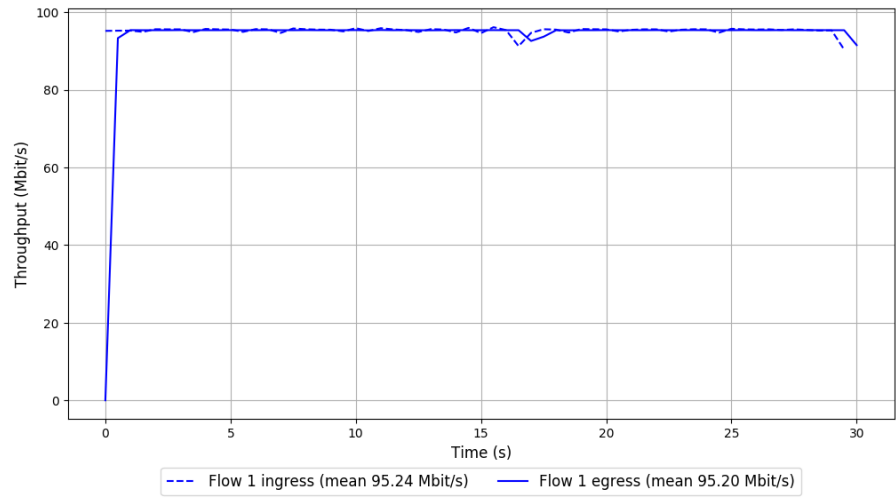


Run 2: Statistics of Copa

Start at: 2019-02-05 13:36:14
End at: 2019-02-05 13:36:44
Local clock offset: -6.57 ms
Remote clock offset: -0.004 ms

Below is generated by plot.py at 2019-02-05 14:53:36
Datalink statistics
-- Total of 1 flow:
Average throughput: 95.20 Mbit/s
95th percentile per-packet one-way delay: 10.159 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 95.20 Mbit/s
95th percentile per-packet one-way delay: 10.159 ms
Loss rate: 0.05%

Run 2: Report of Copa — Data Link



Run 3: Statistics of Copa

Start at: 2019-02-05 13:59:48

End at: 2019-02-05 14:00:18

Local clock offset: -5.273 ms

Remote clock offset: 0.326 ms

Below is generated by plot.py at 2019-02-05 14:53:36

Datalink statistics

-- Total of 1 flow:

Average throughput: 93.69 Mbit/s

95th percentile per-packet one-way delay: 8.509 ms

Loss rate: 0.06%

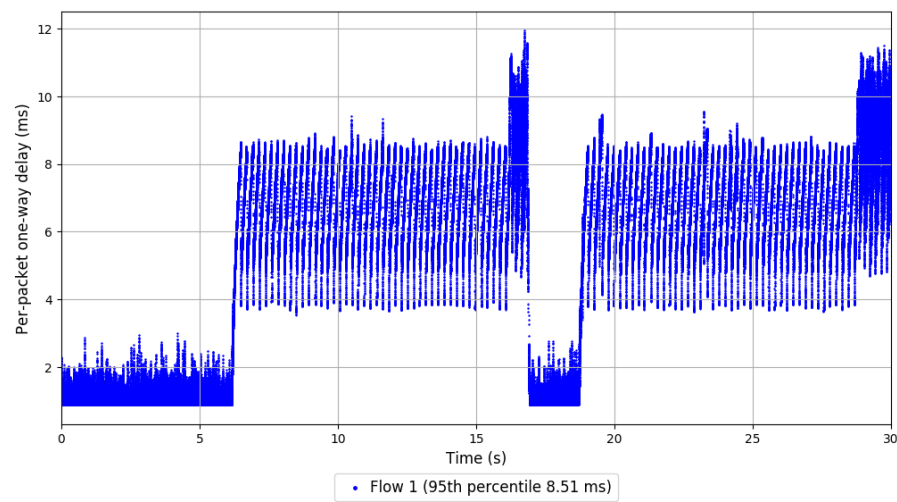
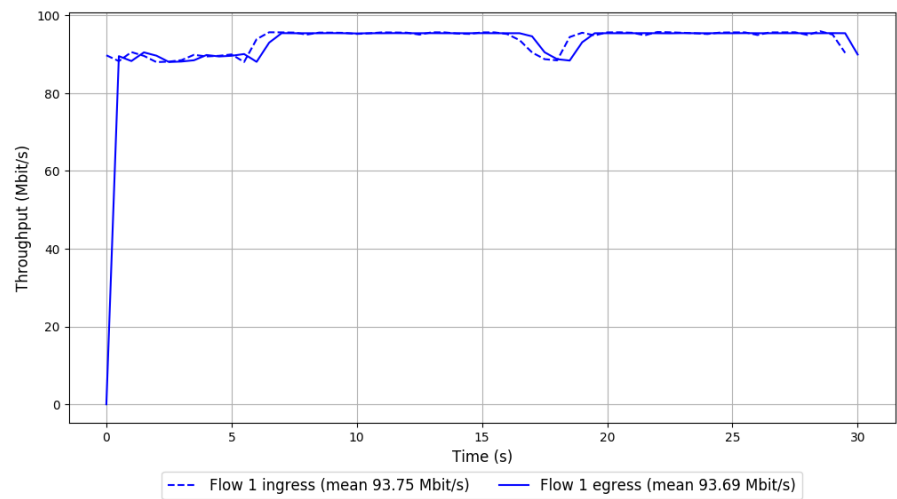
-- Flow 1:

Average throughput: 93.69 Mbit/s

95th percentile per-packet one-way delay: 8.509 ms

Loss rate: 0.06%

Run 3: Report of Copa — Data Link



Run 4: Statistics of Copa

Start at: 2019-02-05 14:23:22

End at: 2019-02-05 14:23:52

Local clock offset: -4.602 ms

Remote clock offset: 0.538 ms

Below is generated by plot.py at 2019-02-05 14:54:38

Datalink statistics

-- Total of 1 flow:

Average throughput: 94.65 Mbit/s

95th percentile per-packet one-way delay: 8.619 ms

Loss rate: 0.07%

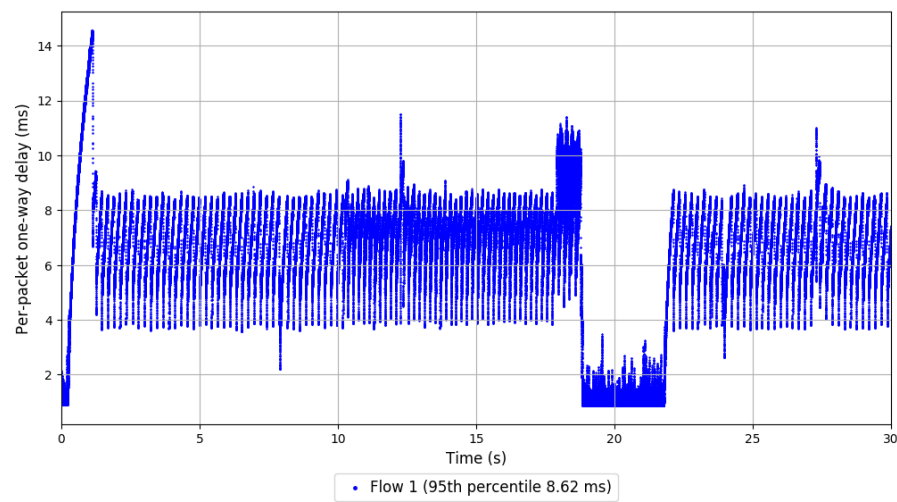
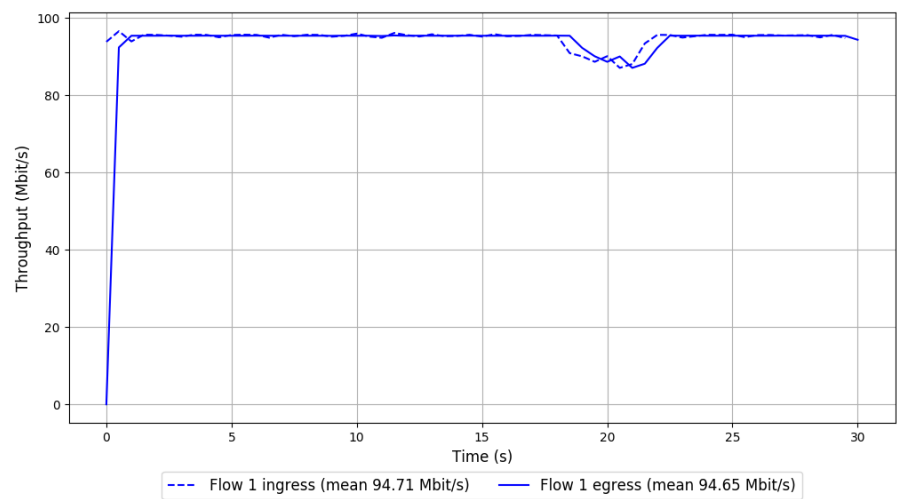
-- Flow 1:

Average throughput: 94.65 Mbit/s

95th percentile per-packet one-way delay: 8.619 ms

Loss rate: 0.07%

Run 4: Report of Copa — Data Link



Run 5: Statistics of Copa

Start at: 2019-02-05 14:46:57

End at: 2019-02-05 14:47:27

Local clock offset: -4.374 ms

Remote clock offset: 0.181 ms

Below is generated by plot.py at 2019-02-05 14:54:40

Datalink statistics

-- Total of 1 flow:

Average throughput: 94.62 Mbit/s

95th percentile per-packet one-way delay: 9.521 ms

Loss rate: 0.07%

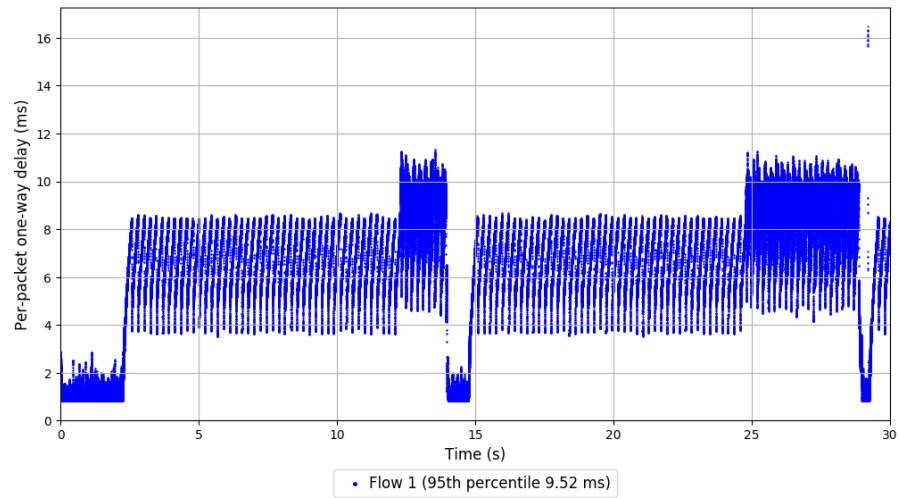
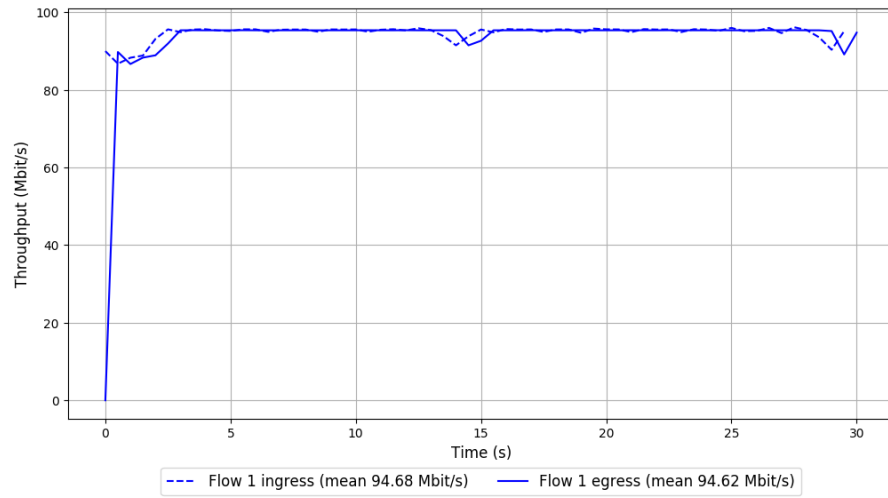
-- Flow 1:

Average throughput: 94.62 Mbit/s

95th percentile per-packet one-way delay: 9.521 ms

Loss rate: 0.07%

Run 5: Report of Copa — Data Link

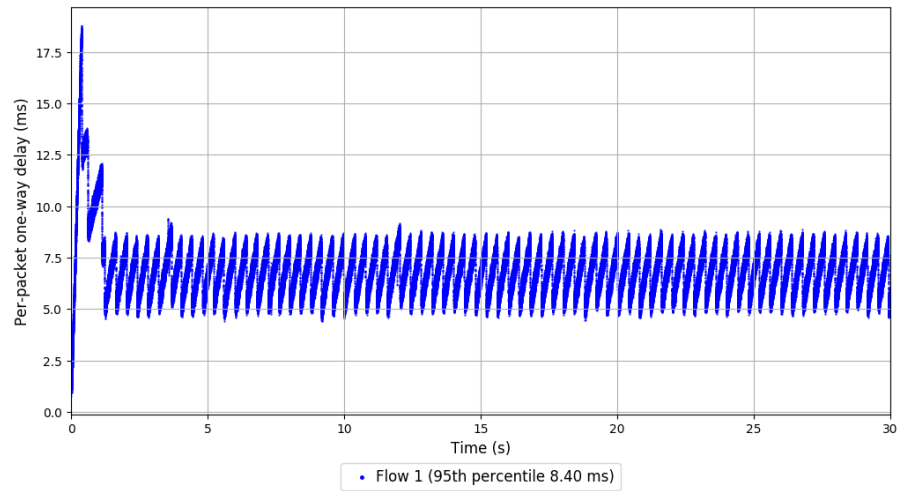
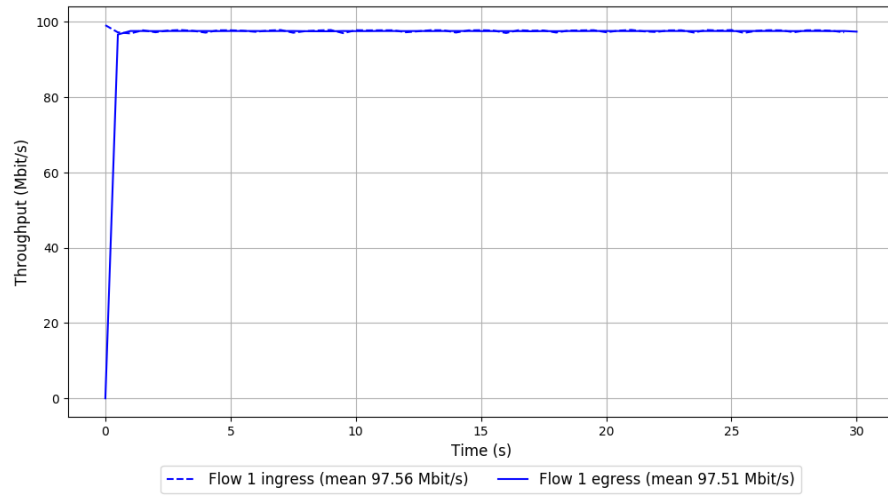


Run 1: Statistics of TCP Cubic

Start at: 2019-02-05 13:11:28
End at: 2019-02-05 13:11:58
Local clock offset: -7.209 ms
Remote clock offset: -0.425 ms

Below is generated by plot.py at 2019-02-05 14:54:40
Datalink statistics
-- Total of 1 flow:
Average throughput: 97.51 Mbit/s
95th percentile per-packet one-way delay: 8.402 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 97.51 Mbit/s
95th percentile per-packet one-way delay: 8.402 ms
Loss rate: 0.05%

Run 1: Report of TCP Cubic — Data Link

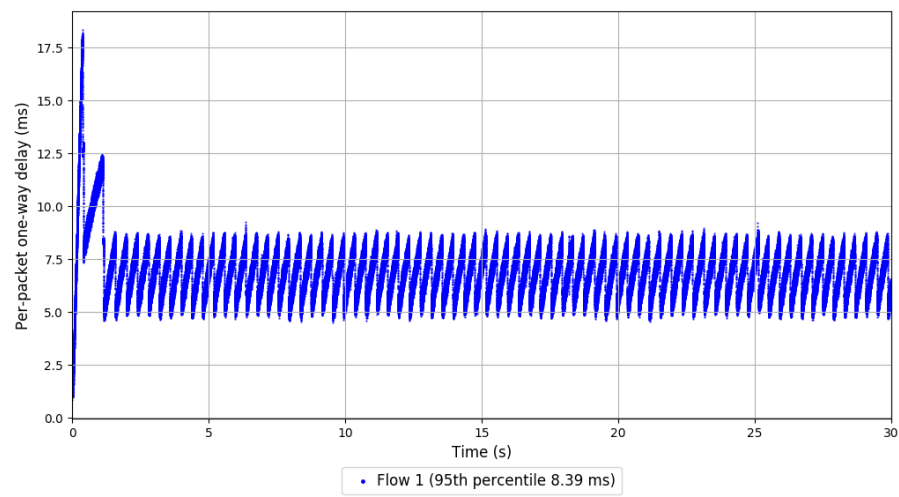
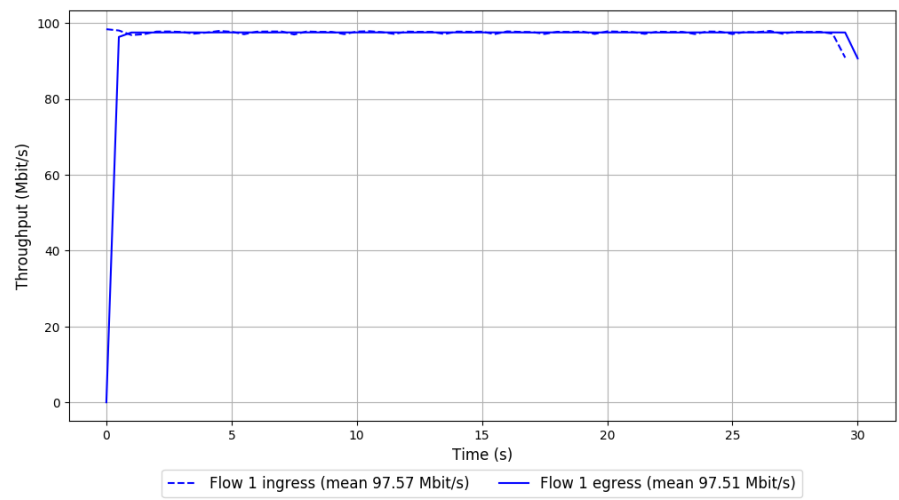


Run 2: Statistics of TCP Cubic

Start at: 2019-02-05 13:35:06
End at: 2019-02-05 13:35:36
Local clock offset: -6.54 ms
Remote clock offset: -0.012 ms

Below is generated by plot.py at 2019-02-05 14:54:40
Datalink statistics
-- Total of 1 flow:
Average throughput: 97.51 Mbit/s
95th percentile per-packet one-way delay: 8.389 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 97.51 Mbit/s
95th percentile per-packet one-way delay: 8.389 ms
Loss rate: 0.06%

Run 2: Report of TCP Cubic — Data Link



Run 3: Statistics of TCP Cubic

Start at: 2019-02-05 13:58:40

End at: 2019-02-05 13:59:10

Local clock offset: -5.293 ms

Remote clock offset: 0.286 ms

Below is generated by plot.py at 2019-02-05 14:54:40

Datalink statistics

-- Total of 1 flow:

Average throughput: 97.51 Mbit/s

95th percentile per-packet one-way delay: 8.353 ms

Loss rate: 0.06%

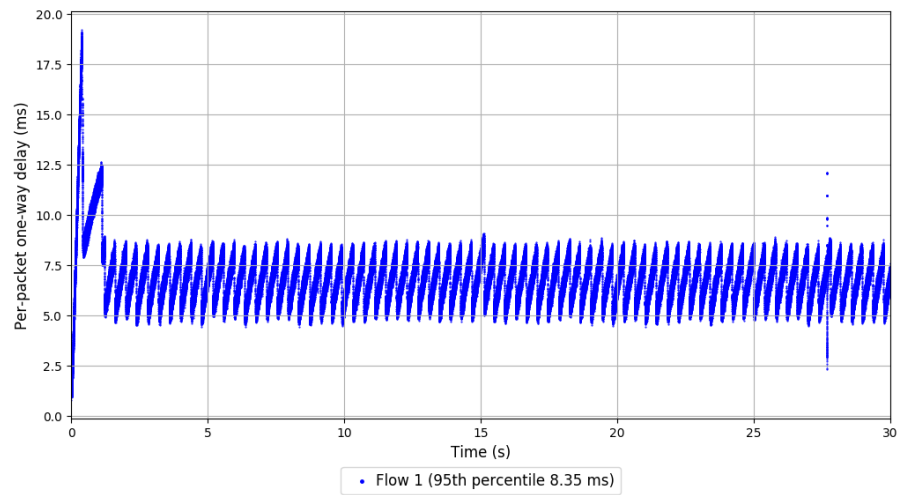
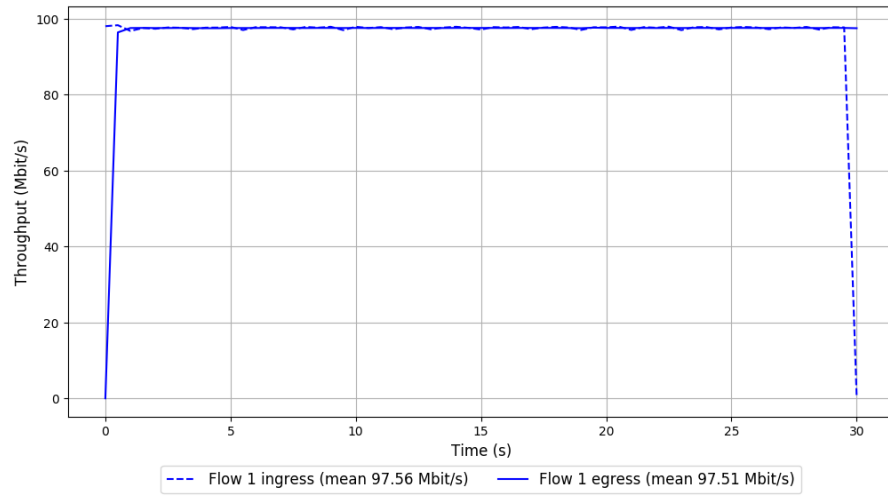
-- Flow 1:

Average throughput: 97.51 Mbit/s

95th percentile per-packet one-way delay: 8.353 ms

Loss rate: 0.06%

Run 3: Report of TCP Cubic — Data Link



Run 4: Statistics of TCP Cubic

Start at: 2019-02-05 14:22:14

End at: 2019-02-05 14:22:44

Local clock offset: -4.675 ms

Remote clock offset: 0.515 ms

Below is generated by plot.py at 2019-02-05 14:54:40

Datalink statistics

-- Total of 1 flow:

Average throughput: 97.51 Mbit/s

95th percentile per-packet one-way delay: 8.290 ms

Loss rate: 0.06%

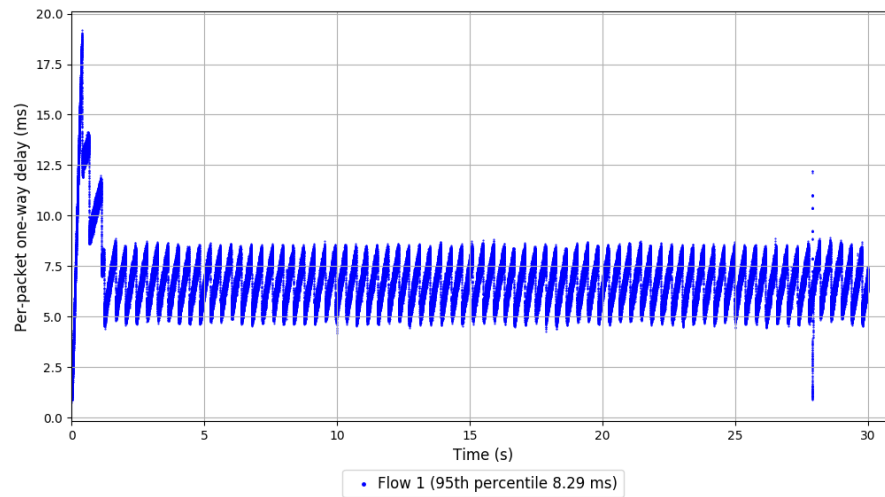
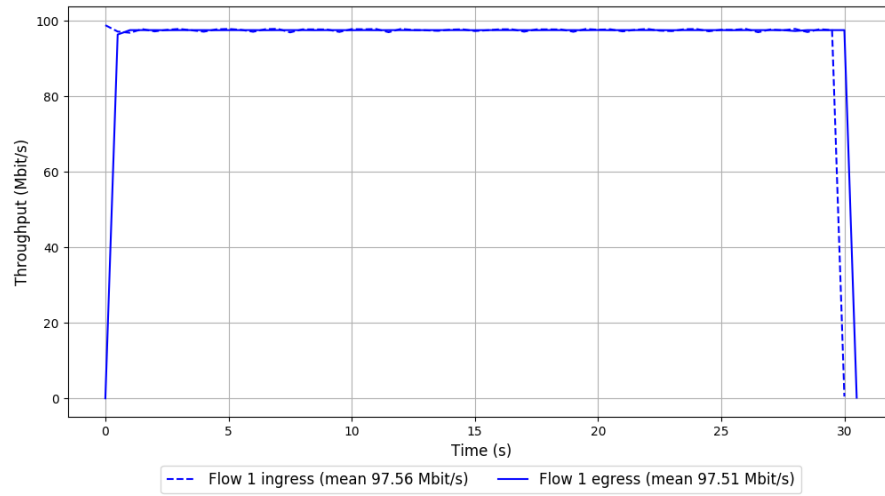
-- Flow 1:

Average throughput: 97.51 Mbit/s

95th percentile per-packet one-way delay: 8.290 ms

Loss rate: 0.06%

Run 4: Report of TCP Cubic — Data Link



Run 5: Statistics of TCP Cubic

Start at: 2019-02-05 14:45:49

End at: 2019-02-05 14:46:19

Local clock offset: -4.278 ms

Remote clock offset: 0.217 ms

Below is generated by plot.py at 2019-02-05 14:54:40

Datalink statistics

-- Total of 1 flow:

Average throughput: 97.51 Mbit/s

95th percentile per-packet one-way delay: 8.297 ms

Loss rate: 0.06%

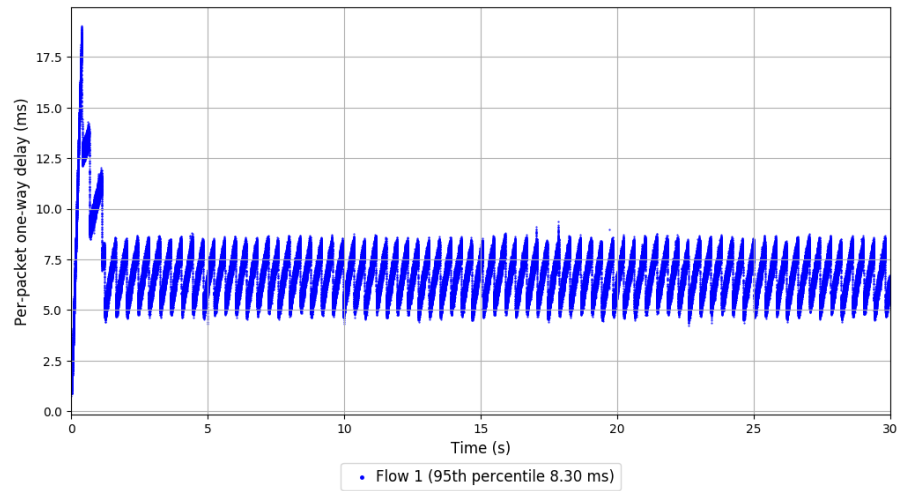
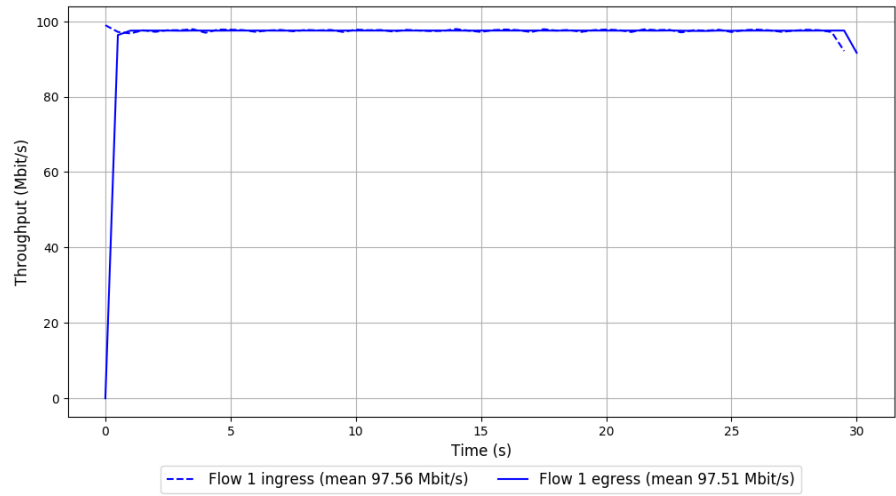
-- Flow 1:

Average throughput: 97.51 Mbit/s

95th percentile per-packet one-way delay: 8.297 ms

Loss rate: 0.06%

Run 5: Report of TCP Cubic — Data Link

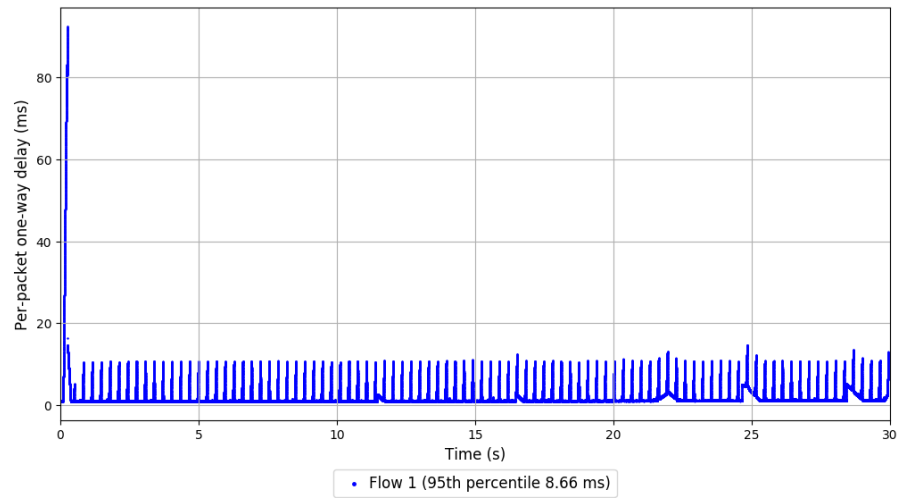
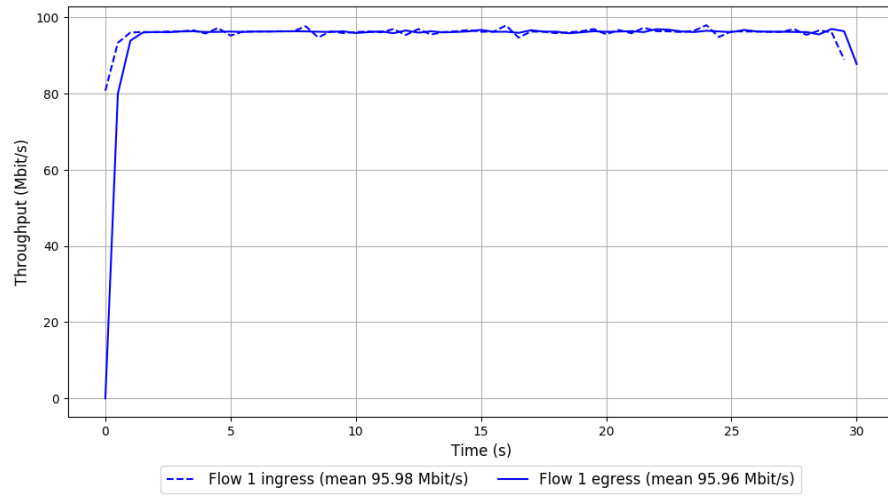


Run 1: Statistics of FillP

Start at: 2019-02-05 13:00:22
End at: 2019-02-05 13:00:52
Local clock offset: -4.691 ms
Remote clock offset: -0.578 ms

Below is generated by plot.py at 2019-02-05 14:54:59
Datalink statistics
-- Total of 1 flow:
Average throughput: 95.96 Mbit/s
95th percentile per-packet one-way delay: 8.665 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 95.96 Mbit/s
95th percentile per-packet one-way delay: 8.665 ms
Loss rate: 0.02%

Run 1: Report of FillP — Data Link

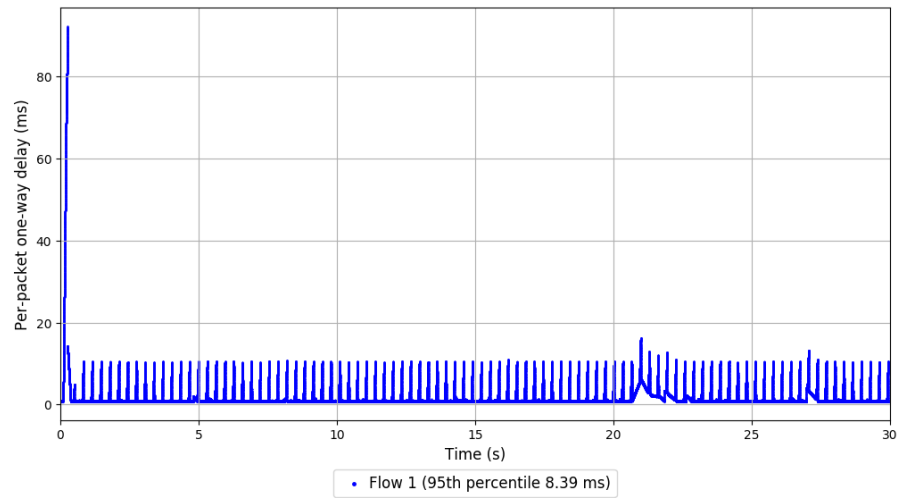
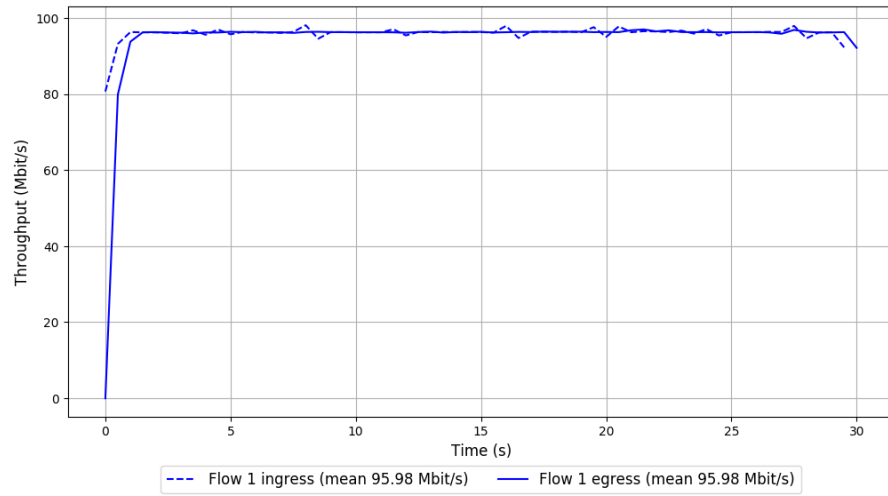


Run 2: Statistics of FillP

Start at: 2019-02-05 13:23:56
End at: 2019-02-05 13:24:26
Local clock offset: -6.672 ms
Remote clock offset: -0.208 ms

Below is generated by plot.py at 2019-02-05 14:55:04
Datalink statistics
-- Total of 1 flow:
Average throughput: 95.98 Mbit/s
95th percentile per-packet one-way delay: 8.395 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 95.98 Mbit/s
95th percentile per-packet one-way delay: 8.395 ms
Loss rate: 0.01%

Run 2: Report of FillP — Data Link



Run 3: Statistics of FillP

Start at: 2019-02-05 13:47:34

End at: 2019-02-05 13:48:04

Local clock offset: -6.629 ms

Remote clock offset: 0.119 ms

Below is generated by plot.py at 2019-02-05 14:55:04

Datalink statistics

-- Total of 1 flow:

Average throughput: 95.98 Mbit/s

95th percentile per-packet one-way delay: 8.282 ms

Loss rate: 0.01%

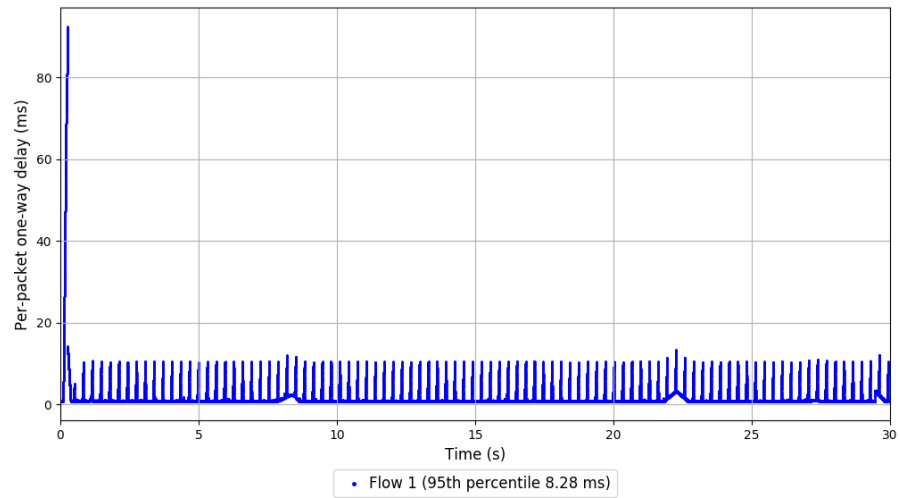
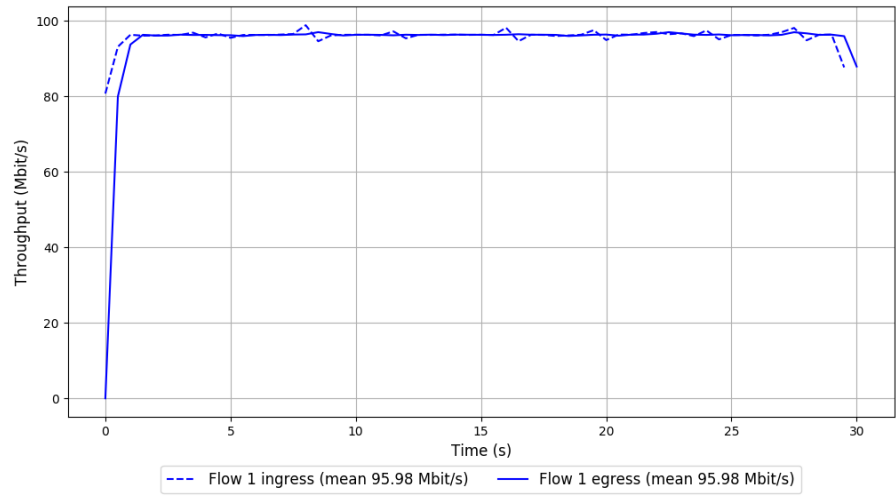
-- Flow 1:

Average throughput: 95.98 Mbit/s

95th percentile per-packet one-way delay: 8.282 ms

Loss rate: 0.01%

Run 3: Report of FillP — Data Link



Run 4: Statistics of FillP

Start at: 2019-02-05 14:11:05

End at: 2019-02-05 14:11:35

Local clock offset: -5.206 ms

Remote clock offset: 0.363 ms

Below is generated by plot.py at 2019-02-05 14:55:05

Datalink statistics

-- Total of 1 flow:

Average throughput: 95.99 Mbit/s

95th percentile per-packet one-way delay: 8.494 ms

Loss rate: 0.01%

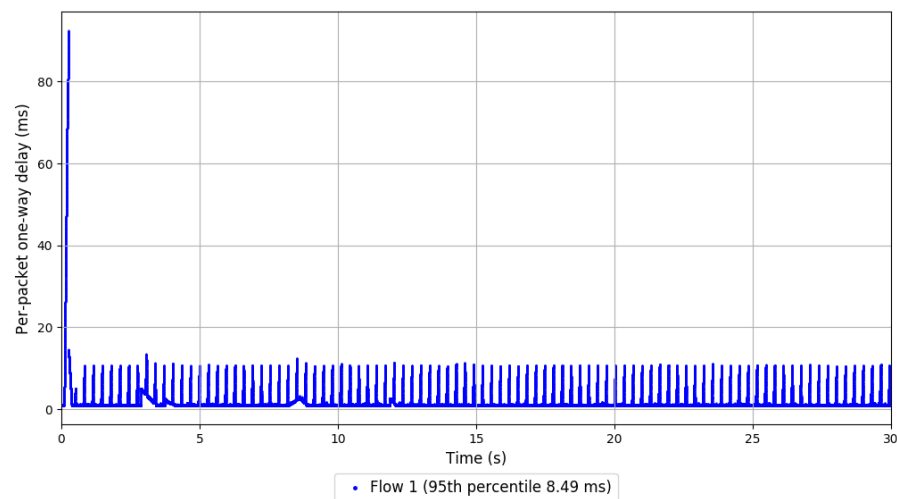
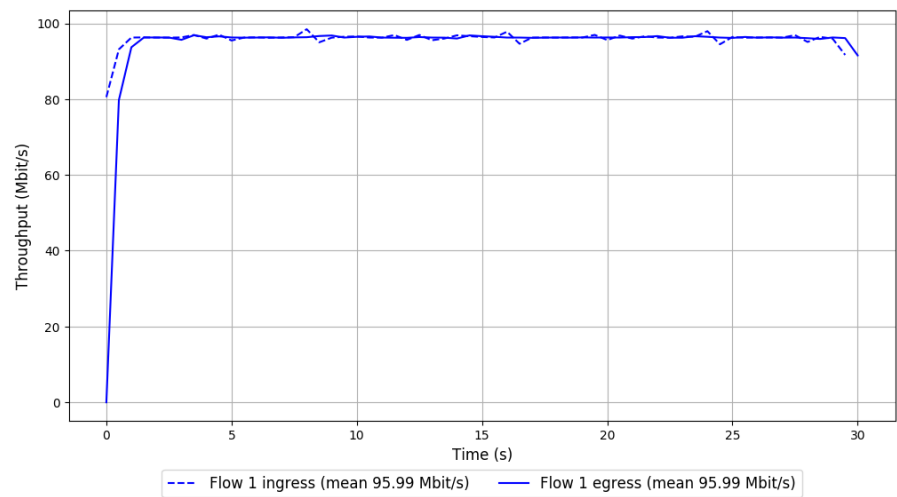
-- Flow 1:

Average throughput: 95.99 Mbit/s

95th percentile per-packet one-way delay: 8.494 ms

Loss rate: 0.01%

Run 4: Report of FillP — Data Link



Run 5: Statistics of FillP

Start at: 2019-02-05 14:34:41

End at: 2019-02-05 14:35:11

Local clock offset: -4.305 ms

Remote clock offset: 0.435 ms

Below is generated by plot.py at 2019-02-05 14:56:05

Datalink statistics

-- Total of 1 flow:

Average throughput: 95.98 Mbit/s

95th percentile per-packet one-way delay: 8.502 ms

Loss rate: 0.01%

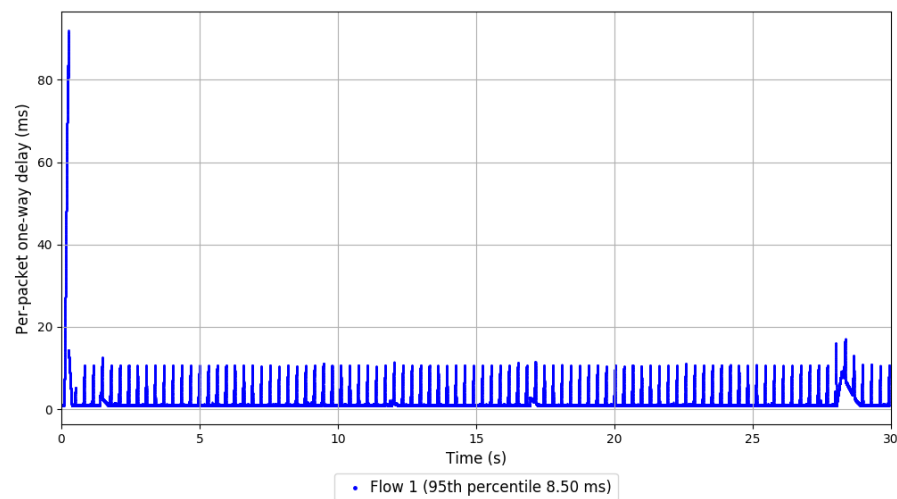
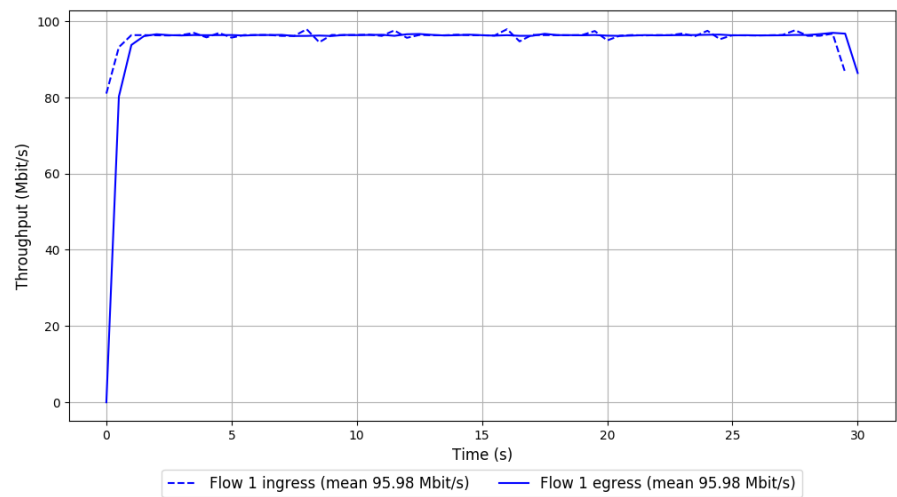
-- Flow 1:

Average throughput: 95.98 Mbit/s

95th percentile per-packet one-way delay: 8.502 ms

Loss rate: 0.01%

Run 5: Report of FillP — Data Link

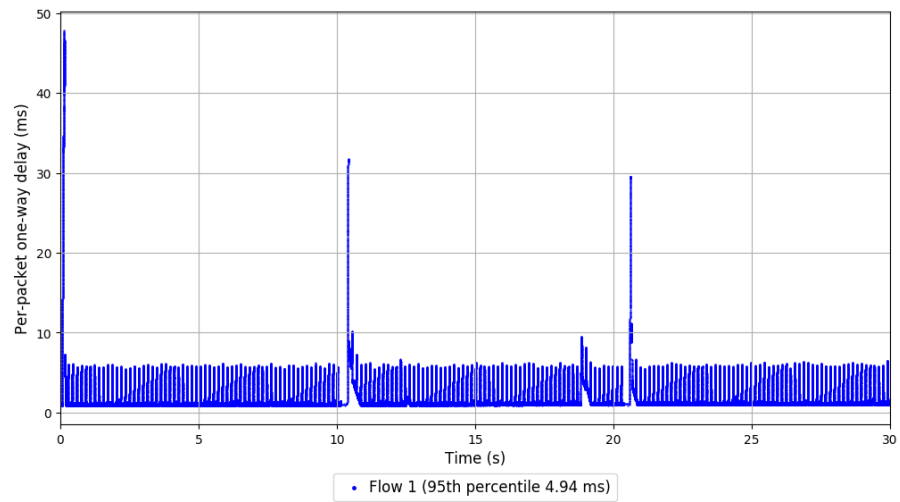
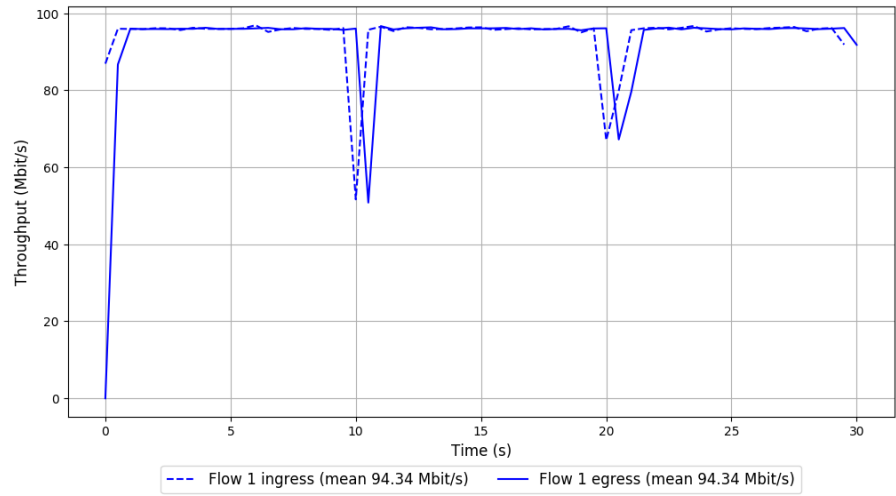


Run 1: Statistics of FillP-Sheep

Start at: 2019-02-05 13:08:09
End at: 2019-02-05 13:08:39
Local clock offset: -6.588 ms
Remote clock offset: -0.529 ms

Below is generated by plot.py at 2019-02-05 14:56:05
Datalink statistics
-- Total of 1 flow:
Average throughput: 94.34 Mbit/s
95th percentile per-packet one-way delay: 4.937 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 94.34 Mbit/s
95th percentile per-packet one-way delay: 4.937 ms
Loss rate: 0.01%

Run 1: Report of FillP-Sheep — Data Link

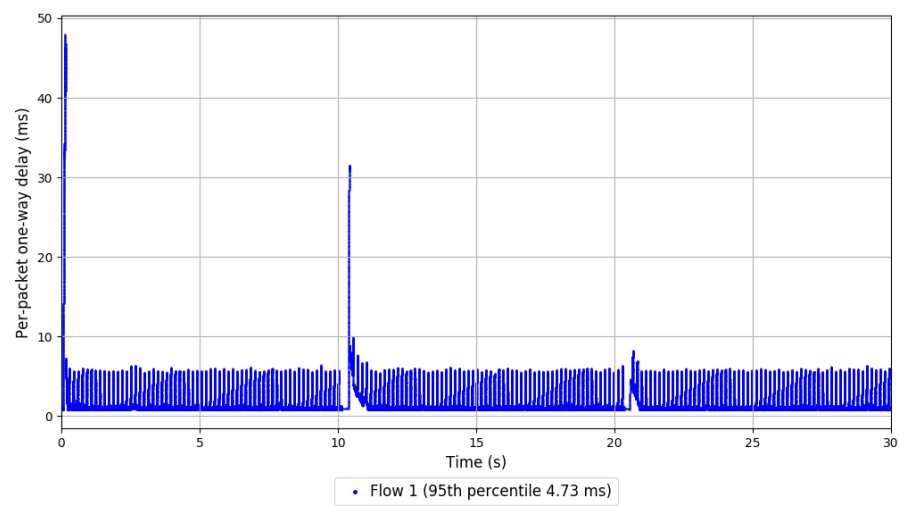
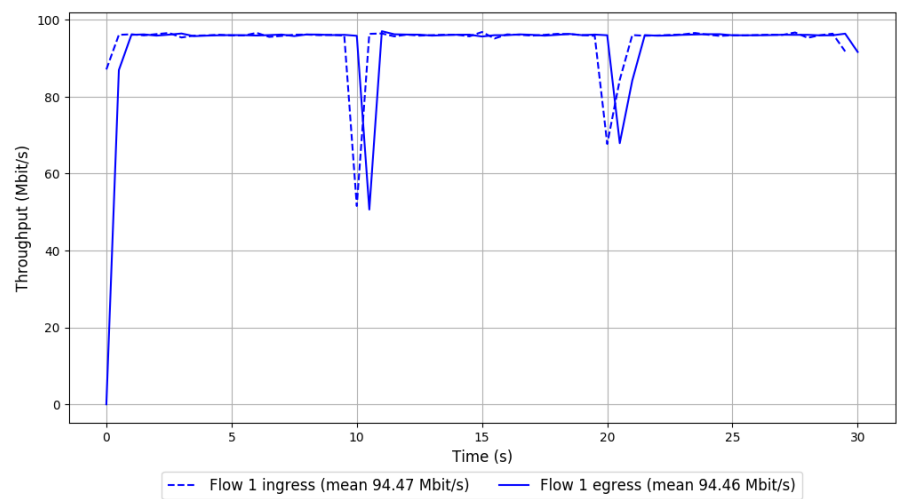


Run 2: Statistics of FillP-Sheep

Start at: 2019-02-05 13:31:46
End at: 2019-02-05 13:32:16
Local clock offset: -6.473 ms
Remote clock offset: -0.013 ms

Below is generated by plot.py at 2019-02-05 14:56:05
Datalink statistics
-- Total of 1 flow:
Average throughput: 94.46 Mbit/s
95th percentile per-packet one-way delay: 4.734 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 94.46 Mbit/s
95th percentile per-packet one-way delay: 4.734 ms
Loss rate: 0.01%

Run 2: Report of FillP-Sheep — Data Link



Run 3: Statistics of FillP-Sheep

Start at: 2019-02-05 13:55:20

End at: 2019-02-05 13:55:50

Local clock offset: -5.513 ms

Remote clock offset: 0.253 ms

Below is generated by plot.py at 2019-02-05 14:56:05

Datalink statistics

-- Total of 1 flow:

Average throughput: 94.57 Mbit/s

95th percentile per-packet one-way delay: 4.679 ms

Loss rate: 0.01%

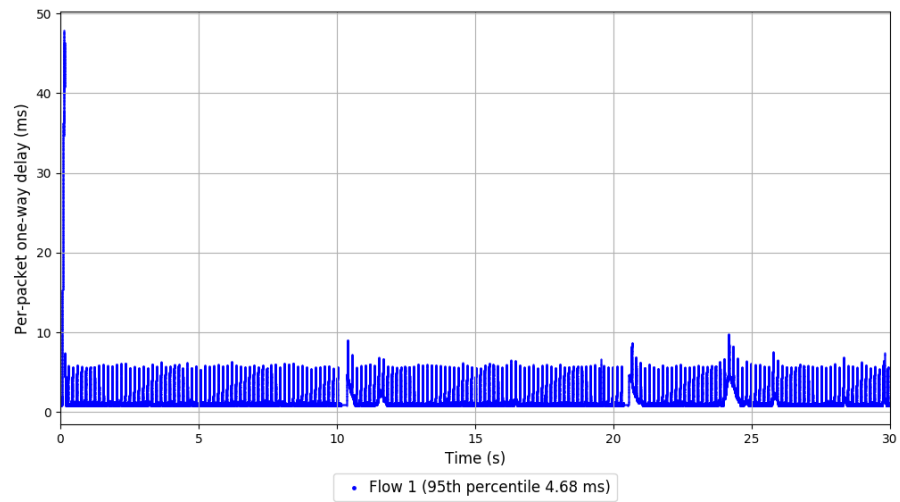
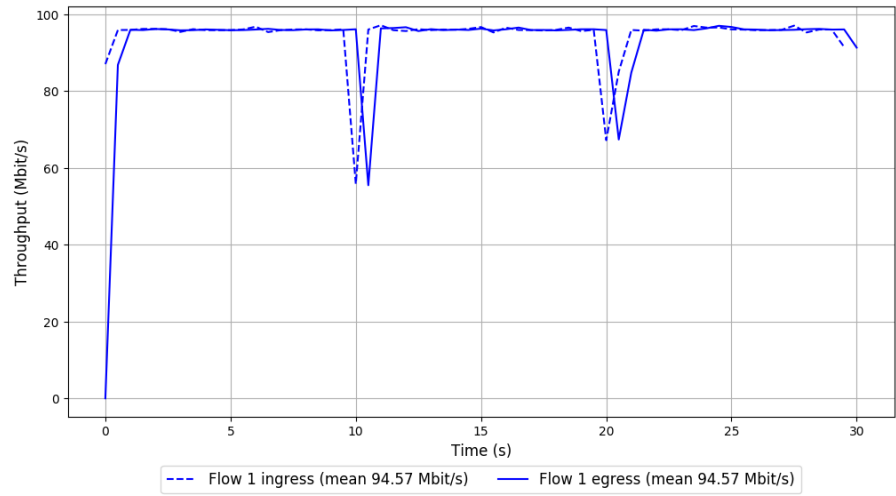
-- Flow 1:

Average throughput: 94.57 Mbit/s

95th percentile per-packet one-way delay: 4.679 ms

Loss rate: 0.01%

Run 3: Report of FillP-Sheep — Data Link



Run 4: Statistics of FillP-Sheep

Start at: 2019-02-05 14:18:54

End at: 2019-02-05 14:19:24

Local clock offset: -4.972 ms

Remote clock offset: 0.503 ms

Below is generated by plot.py at 2019-02-05 14:56:20

Datalink statistics

-- Total of 1 flow:

Average throughput: 94.59 Mbit/s

95th percentile per-packet one-way delay: 5.017 ms

Loss rate: 0.01%

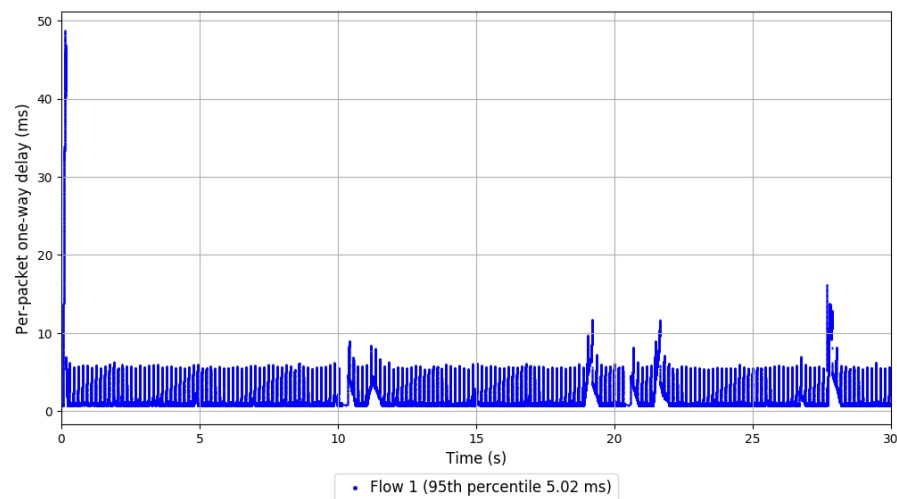
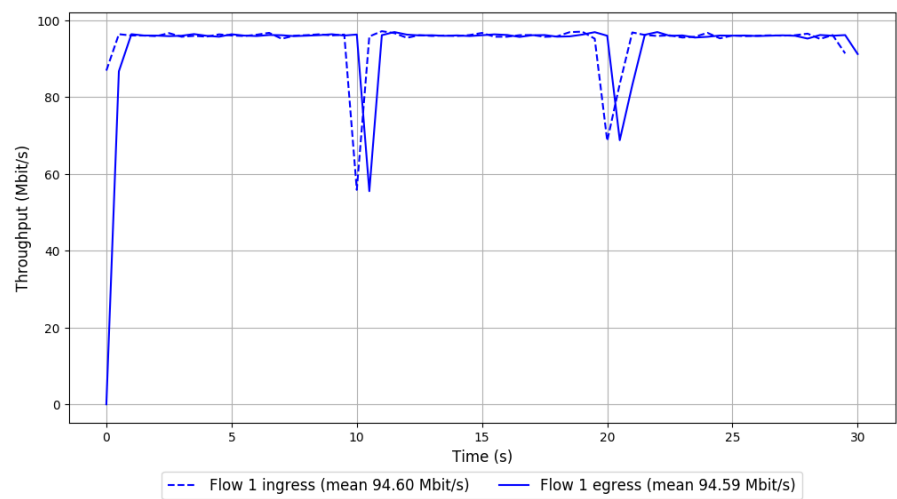
-- Flow 1:

Average throughput: 94.59 Mbit/s

95th percentile per-packet one-way delay: 5.017 ms

Loss rate: 0.01%

Run 4: Report of FillP-Sheep — Data Link



Run 5: Statistics of FillP-Sheep

Start at: 2019-02-05 14:42:30

End at: 2019-02-05 14:43:00

Local clock offset: -4.259 ms

Remote clock offset: 0.235 ms

Below is generated by plot.py at 2019-02-05 14:56:26

Datalink statistics

-- Total of 1 flow:

Average throughput: 94.39 Mbit/s

95th percentile per-packet one-way delay: 4.838 ms

Loss rate: 0.01%

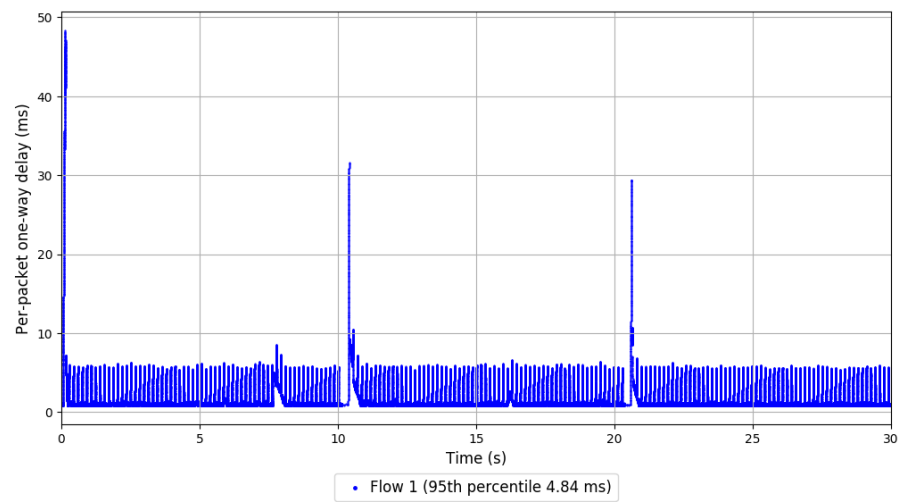
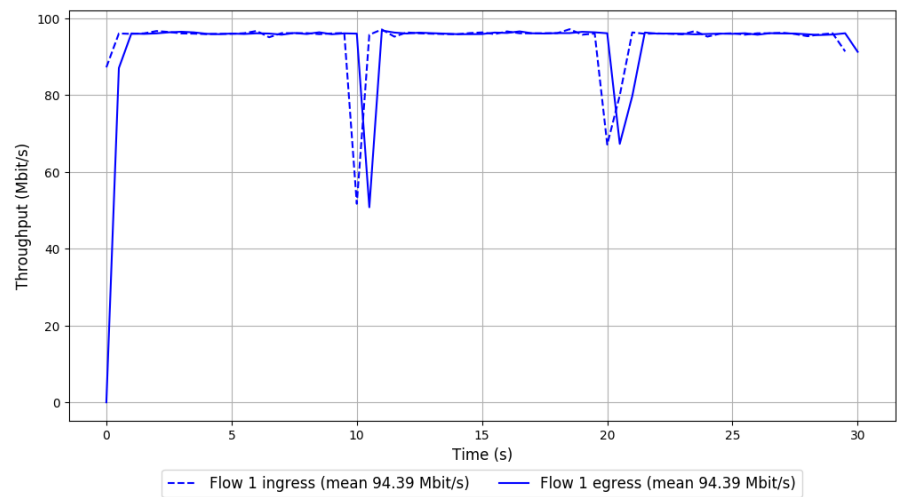
-- Flow 1:

Average throughput: 94.39 Mbit/s

95th percentile per-packet one-way delay: 4.838 ms

Loss rate: 0.01%

Run 5: Report of FillP-Sheep — Data Link



Run 1: Statistics of Indigo

Start at: 2019-02-05 13:04:50

End at: 2019-02-05 13:05:20

Local clock offset: -5.876 ms

Remote clock offset: -0.546 ms

Below is generated by plot.py at 2019-02-05 14:56:26

Datalink statistics

-- Total of 1 flow:

Average throughput: 97.11 Mbit/s

95th percentile per-packet one-way delay: 2.972 ms

Loss rate: 0.01%

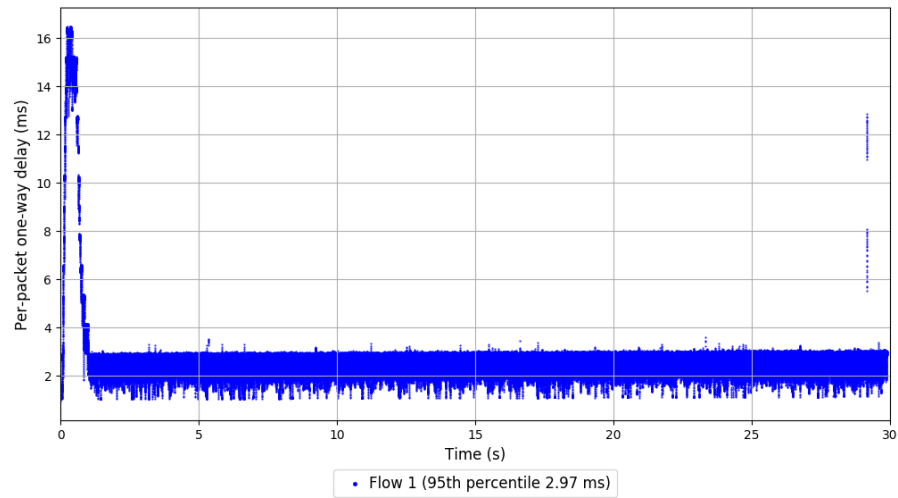
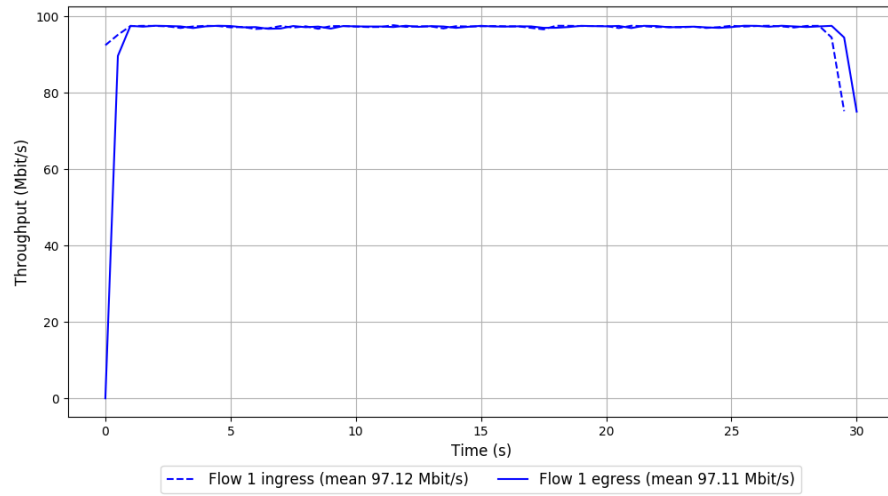
-- Flow 1:

Average throughput: 97.11 Mbit/s

95th percentile per-packet one-way delay: 2.972 ms

Loss rate: 0.01%

Run 1: Report of Indigo — Data Link



Run 2: Statistics of Indigo

Start at: 2019-02-05 13:28:27

End at: 2019-02-05 13:28:57

Local clock offset: -6.48 ms

Remote clock offset: -0.066 ms

Below is generated by plot.py at 2019-02-05 14:56:26

Datalink statistics

-- Total of 1 flow:

Average throughput: 97.10 Mbit/s

95th percentile per-packet one-way delay: 2.767 ms

Loss rate: 0.01%

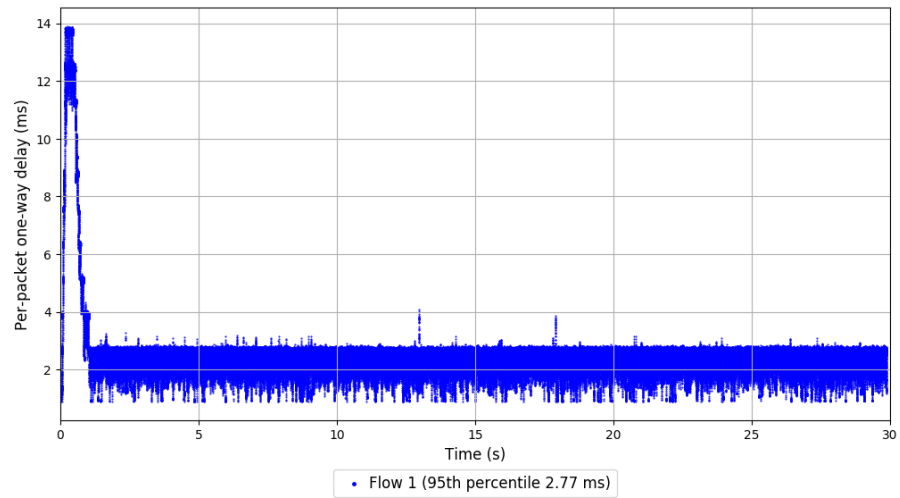
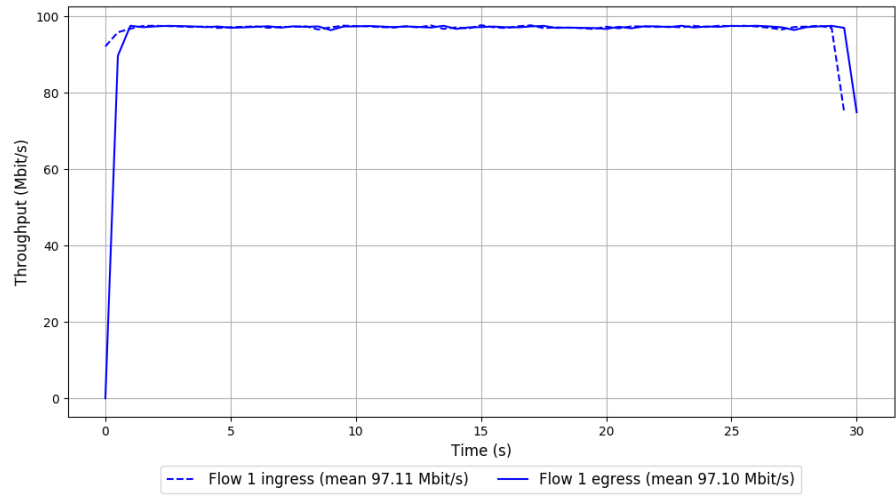
-- Flow 1:

Average throughput: 97.10 Mbit/s

95th percentile per-packet one-way delay: 2.767 ms

Loss rate: 0.01%

Run 2: Report of Indigo — Data Link



Run 3: Statistics of Indigo

Start at: 2019-02-05 13:52:01

End at: 2019-02-05 13:52:31

Local clock offset: -5.86 ms

Remote clock offset: 0.177 ms

Below is generated by plot.py at 2019-02-05 14:57:08

Datalink statistics

-- Total of 1 flow:

Average throughput: 92.99 Mbit/s

95th percentile per-packet one-way delay: 2.722 ms

Loss rate: 0.01%

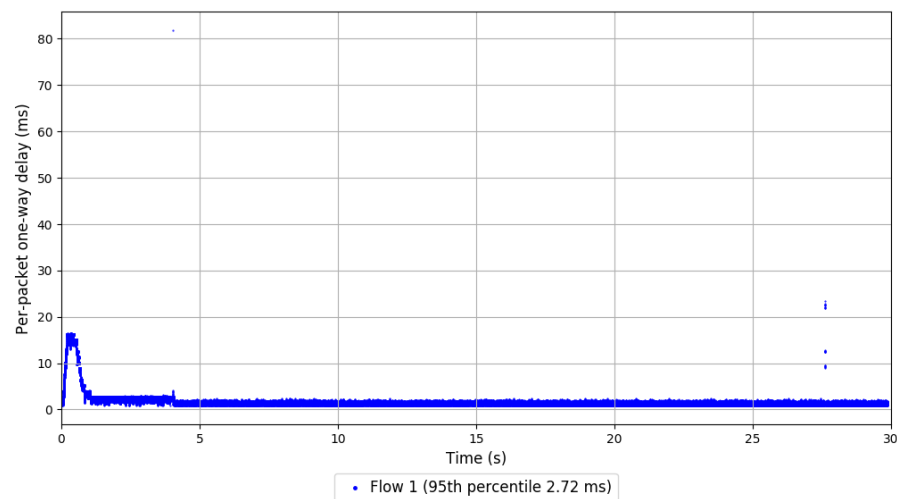
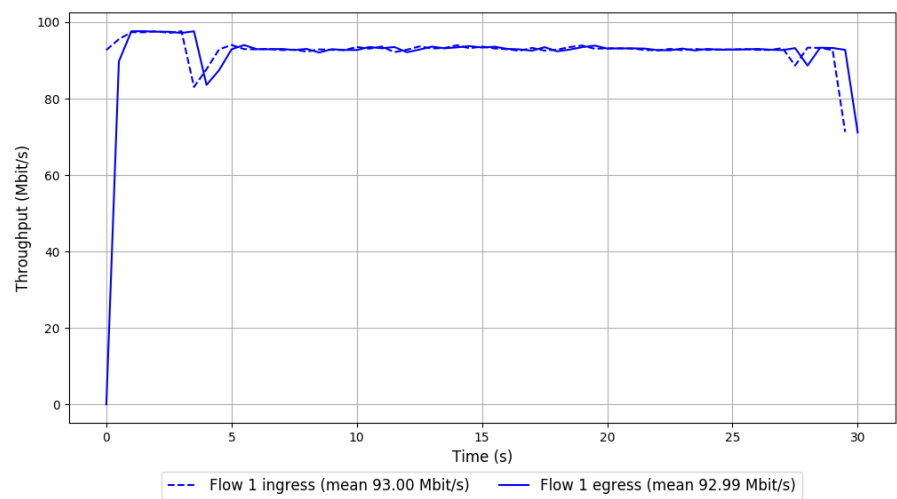
-- Flow 1:

Average throughput: 92.99 Mbit/s

95th percentile per-packet one-way delay: 2.722 ms

Loss rate: 0.01%

Run 3: Report of Indigo — Data Link



Run 4: Statistics of Indigo

Start at: 2019-02-05 14:15:35

End at: 2019-02-05 14:16:05

Local clock offset: -5.289 ms

Remote clock offset: 0.52 ms

Below is generated by plot.py at 2019-02-05 14:57:11

Datalink statistics

-- Total of 1 flow:

Average throughput: 97.15 Mbit/s

95th percentile per-packet one-way delay: 2.767 ms

Loss rate: 0.01%

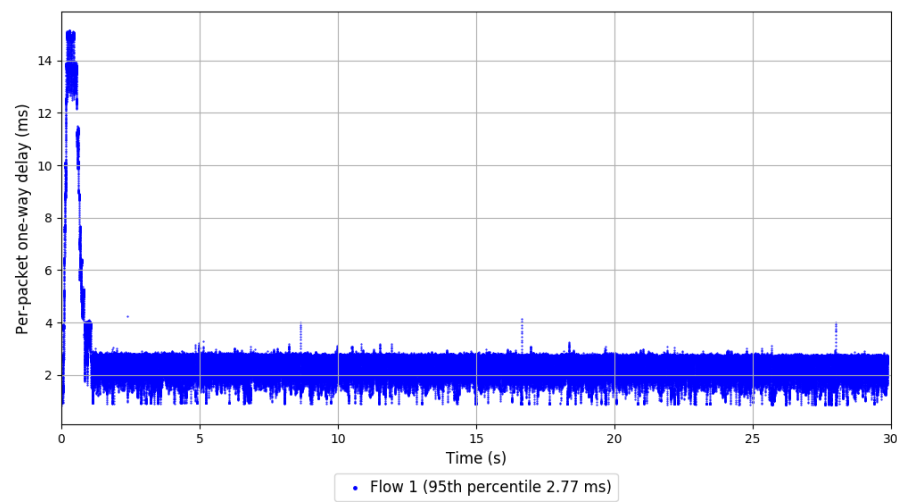
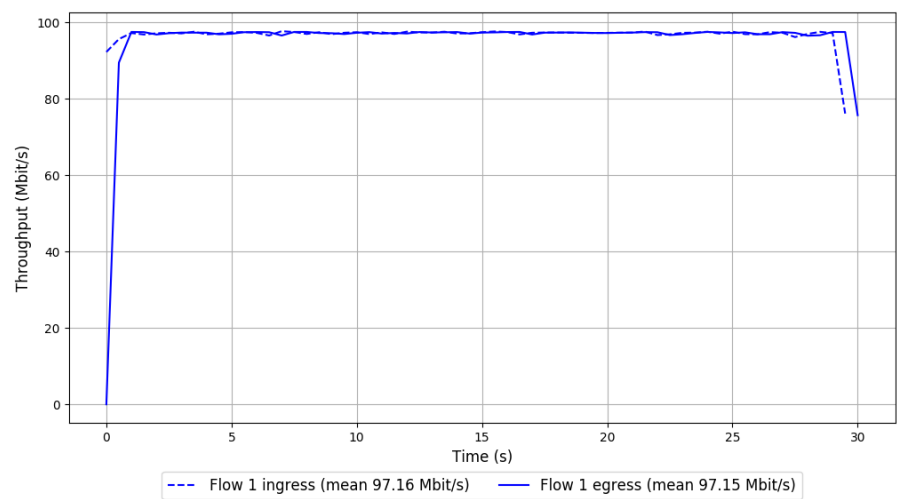
-- Flow 1:

Average throughput: 97.15 Mbit/s

95th percentile per-packet one-way delay: 2.767 ms

Loss rate: 0.01%

Run 4: Report of Indigo — Data Link



Run 5: Statistics of Indigo

Start at: 2019-02-05 14:39:11

End at: 2019-02-05 14:39:41

Local clock offset: -4.261 ms

Remote clock offset: 0.32 ms

Below is generated by plot.py at 2019-02-05 14:57:11

Datalink statistics

-- Total of 1 flow:

Average throughput: 97.18 Mbit/s

95th percentile per-packet one-way delay: 2.825 ms

Loss rate: 0.01%

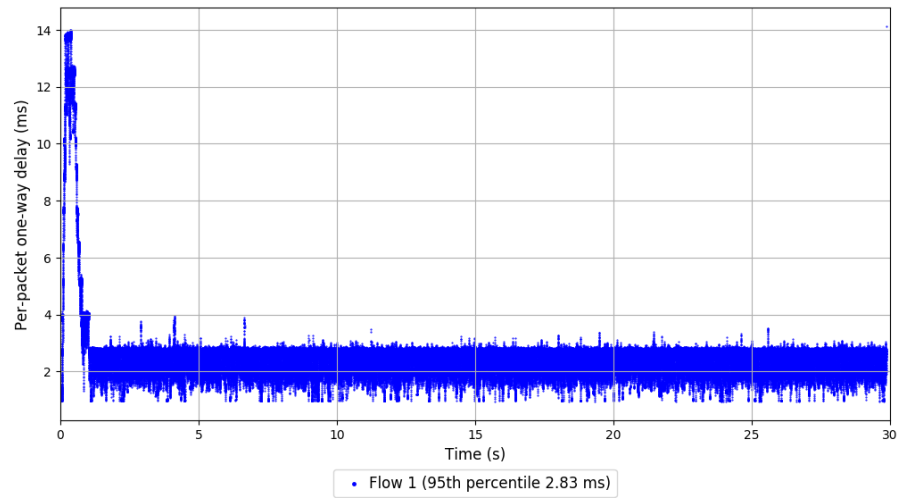
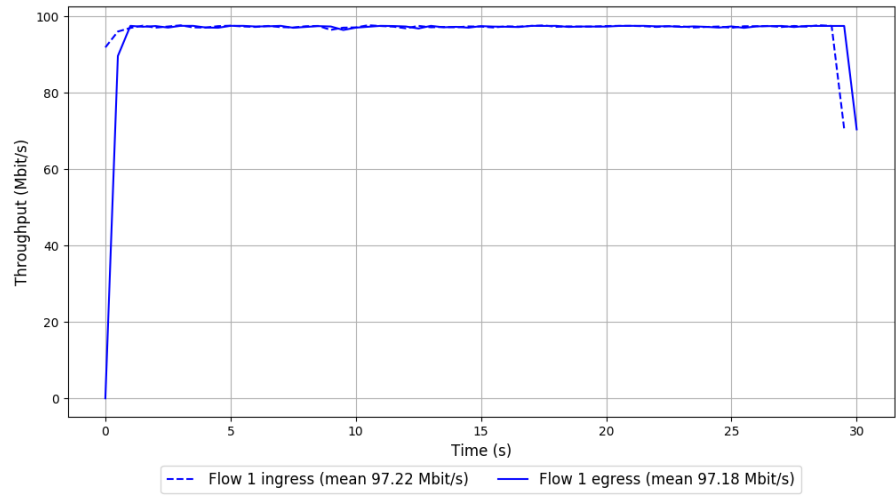
-- Flow 1:

Average throughput: 97.18 Mbit/s

95th percentile per-packet one-way delay: 2.825 ms

Loss rate: 0.01%

Run 5: Report of Indigo — Data Link

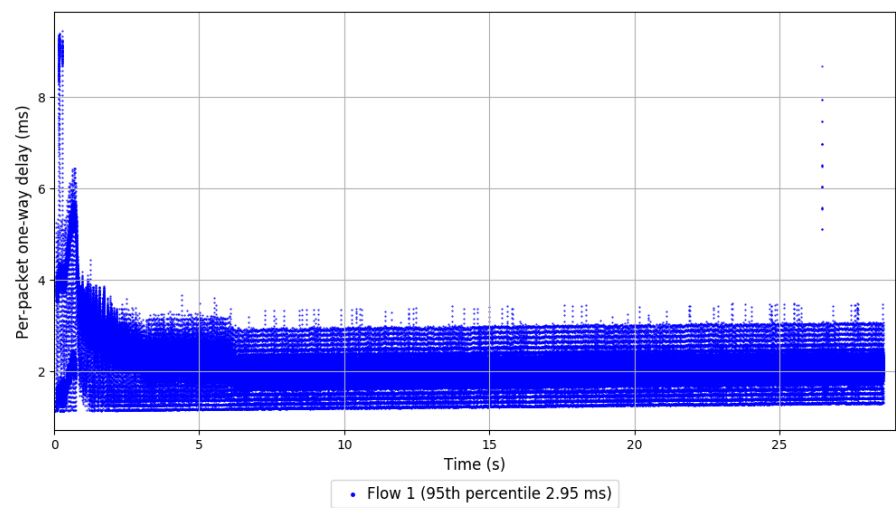
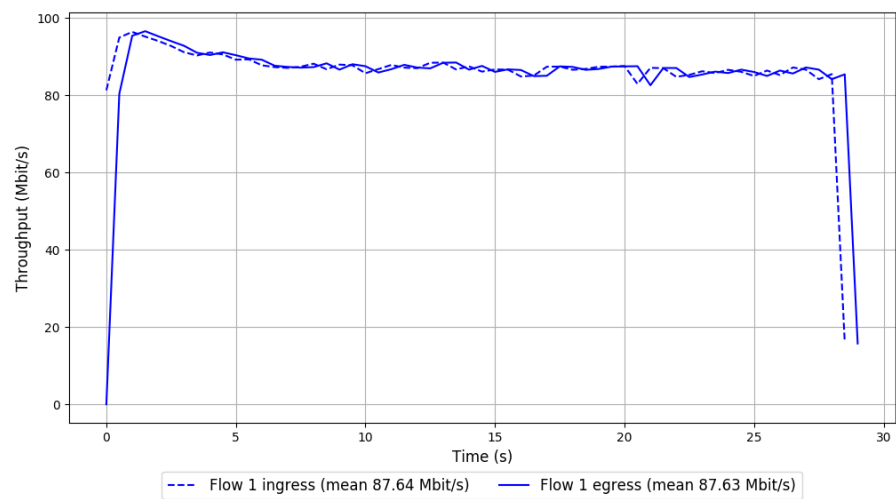


Run 1: Statistics of Indigo-MusesC3

Start at: 2019-02-05 12:58:07
End at: 2019-02-05 12:58:37
Local clock offset: -3.924 ms
Remote clock offset: -0.654 ms

Below is generated by plot.py at 2019-02-05 14:57:11
Datalink statistics
-- Total of 1 flow:
Average throughput: 87.63 Mbit/s
95th percentile per-packet one-way delay: 2.954 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 87.63 Mbit/s
95th percentile per-packet one-way delay: 2.954 ms
Loss rate: 0.01%

Run 1: Report of Indigo-MusesC3 — Data Link

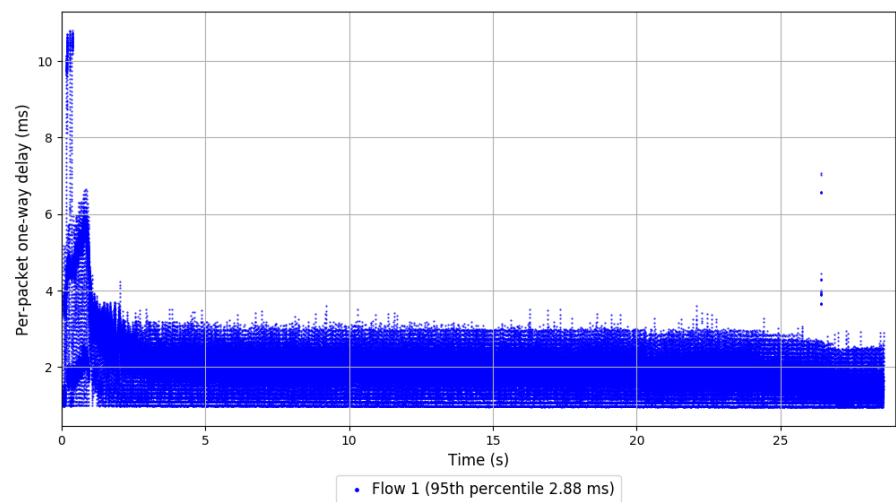
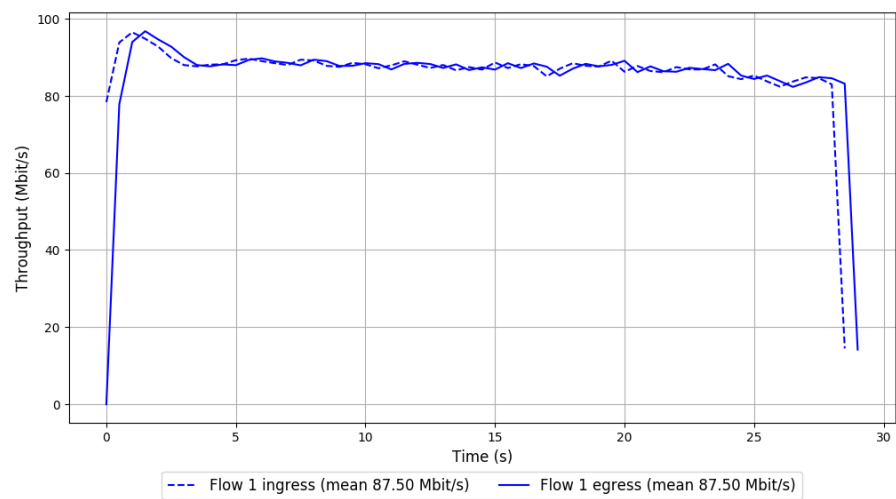


Run 2: Statistics of Indigo-MusesC3

Start at: 2019-02-05 13:21:41
End at: 2019-02-05 13:22:11
Local clock offset: -6.836 ms
Remote clock offset: -0.336 ms

Below is generated by plot.py at 2019-02-05 14:57:12
Datalink statistics
-- Total of 1 flow:
Average throughput: 87.50 Mbit/s
95th percentile per-packet one-way delay: 2.876 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 87.50 Mbit/s
95th percentile per-packet one-way delay: 2.876 ms
Loss rate: 0.01%

Run 2: Report of Indigo-MusesC3 — Data Link



Run 3: Statistics of Indigo-MusesC3

Start at: 2019-02-05 13:45:18

End at: 2019-02-05 13:45:48

Local clock offset: -7.003 ms

Remote clock offset: 0.194 ms

Below is generated by plot.py at 2019-02-05 14:57:13

Datalink statistics

-- Total of 1 flow:

Average throughput: 86.30 Mbit/s

95th percentile per-packet one-way delay: 2.565 ms

Loss rate: 0.01%

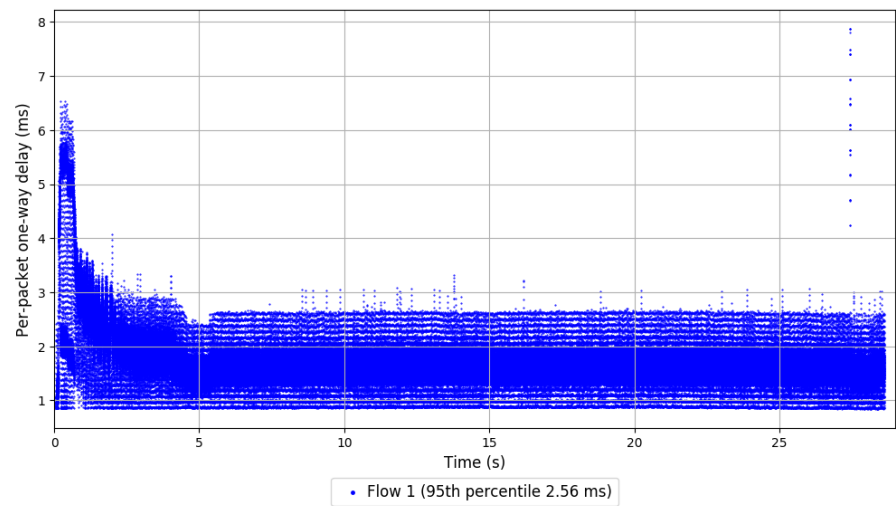
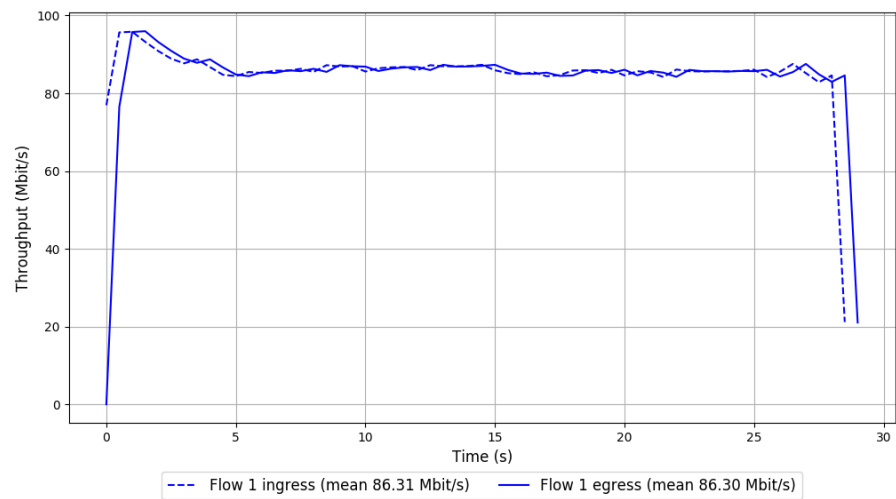
-- Flow 1:

Average throughput: 86.30 Mbit/s

95th percentile per-packet one-way delay: 2.565 ms

Loss rate: 0.01%

Run 3: Report of Indigo-MusesC3 — Data Link



Run 4: Statistics of Indigo-MusesC3

Start at: 2019-02-05 14:08:50

End at: 2019-02-05 14:09:20

Local clock offset: -5.241 ms

Remote clock offset: 0.459 ms

Below is generated by plot.py at 2019-02-05 14:57:22

Datalink statistics

-- Total of 1 flow:

Average throughput: 87.67 Mbit/s

95th percentile per-packet one-way delay: 2.687 ms

Loss rate: 0.01%

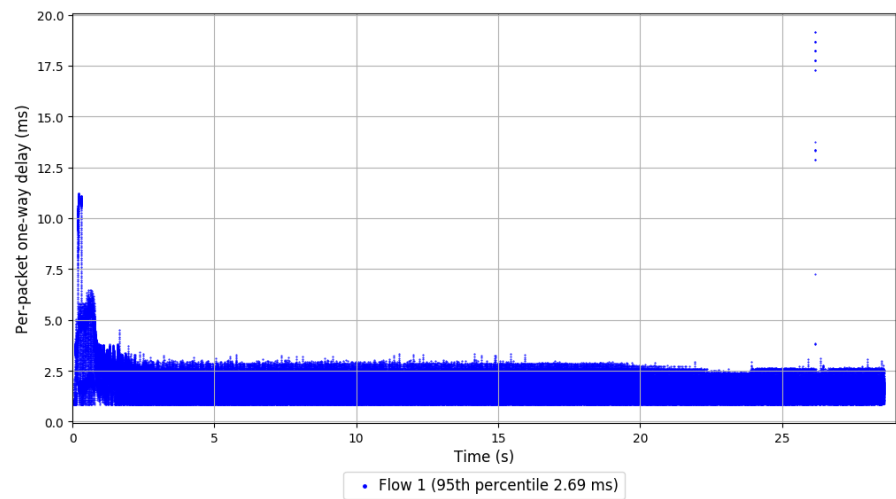
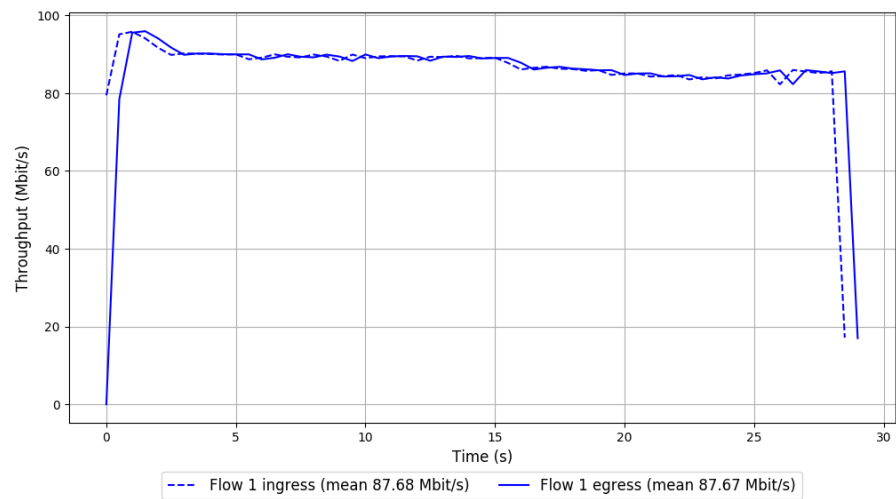
-- Flow 1:

Average throughput: 87.67 Mbit/s

95th percentile per-packet one-way delay: 2.687 ms

Loss rate: 0.01%

Run 4: Report of Indigo-MusesC3 — Data Link



Run 5: Statistics of Indigo-MusesC3

Start at: 2019-02-05 14:32:26

End at: 2019-02-05 14:32:56

Local clock offset: -4.334 ms

Remote clock offset: 0.425 ms

Below is generated by plot.py at 2019-02-05 14:57:33

Datalink statistics

-- Total of 1 flow:

Average throughput: 88.06 Mbit/s

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

Loss rate: 0.01%

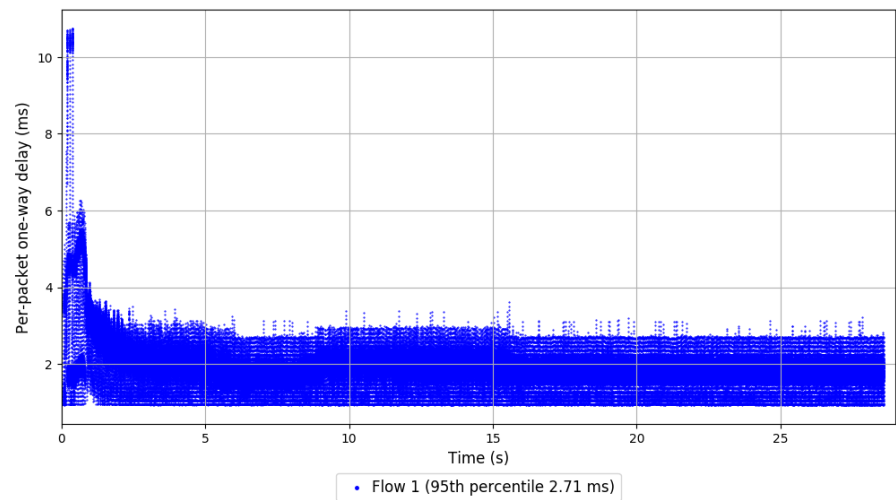
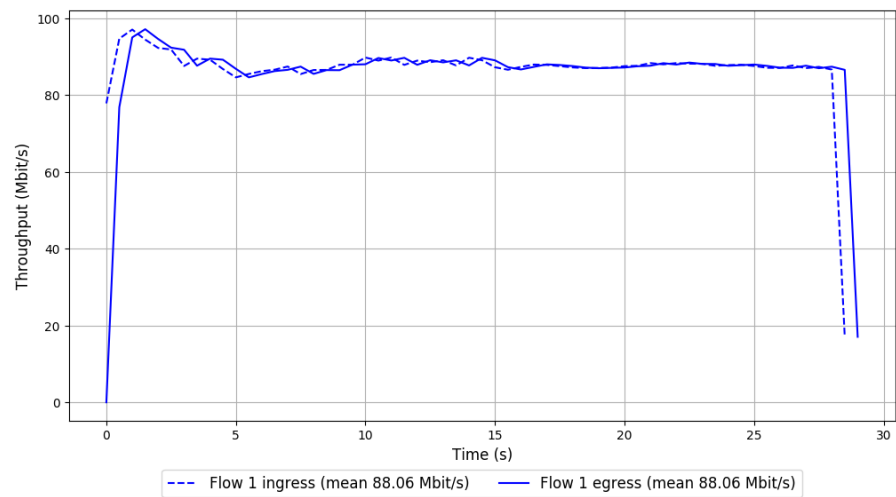
-- Flow 1:

Average throughput: 88.06 Mbit/s

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

Loss rate: 0.01%

Run 5: Report of Indigo-MusesC3 — Data Link



Run 1: Statistics of Indigo-MusesC5

Start at: 2019-02-05 13:05:59

End at: 2019-02-05 13:06:29

Local clock offset: -6.13 ms

Remote clock offset: -0.53 ms

Below is generated by plot.py at 2019-02-05 14:57:33

Datalink statistics

-- Total of 1 flow:

Average throughput: 28.64 Mbit/s

95th percentile per-packet one-way delay: 3.832 ms

Loss rate: 0.00%

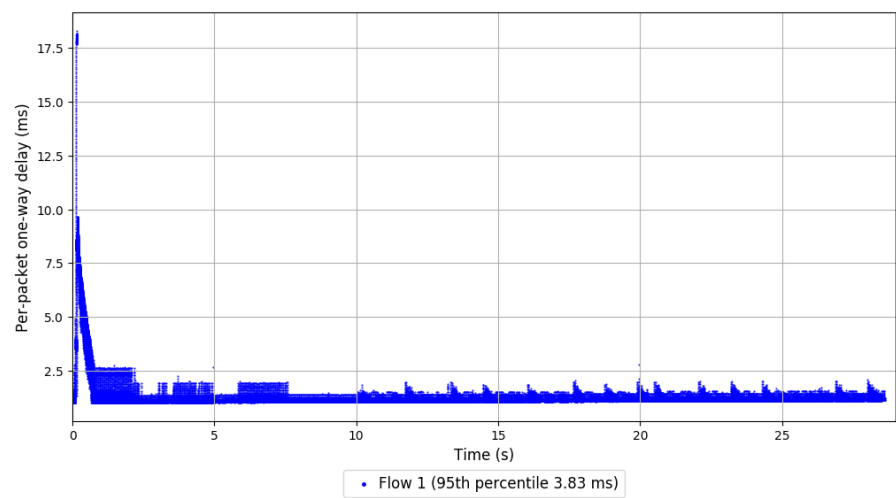
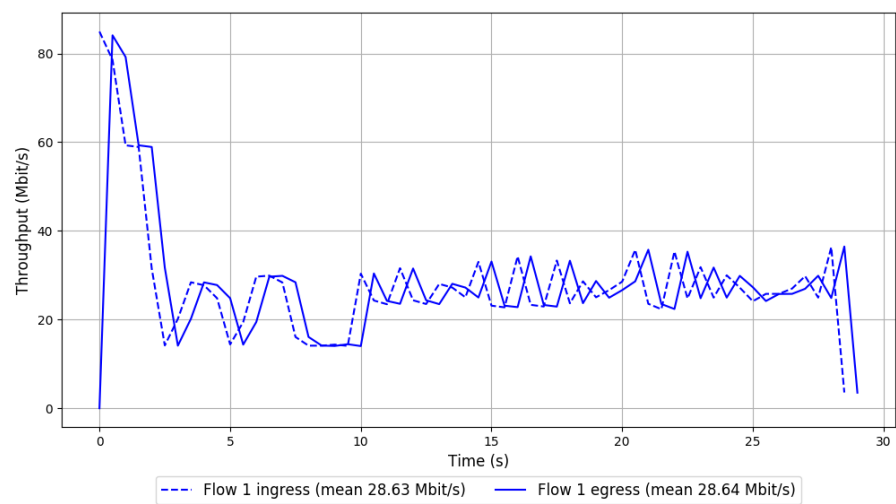
-- Flow 1:

Average throughput: 28.64 Mbit/s

95th percentile per-packet one-way delay: 3.832 ms

Loss rate: 0.00%

Run 1: Report of Indigo-MusesC5 — Data Link

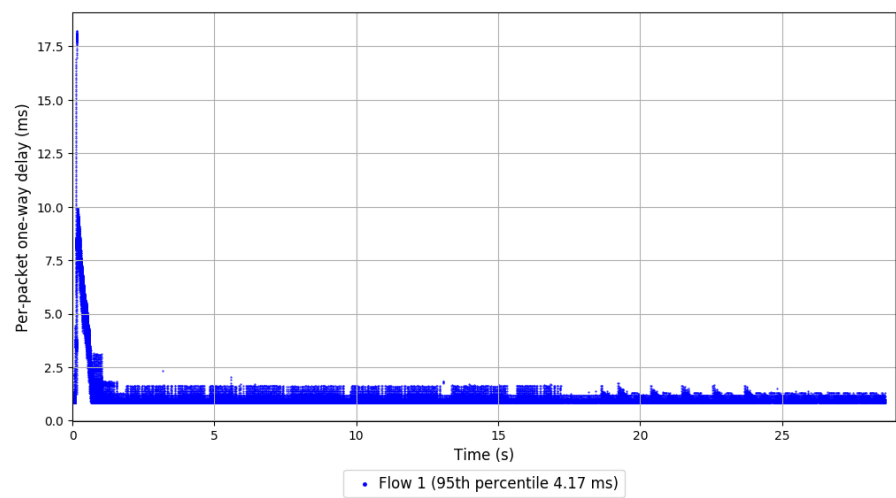
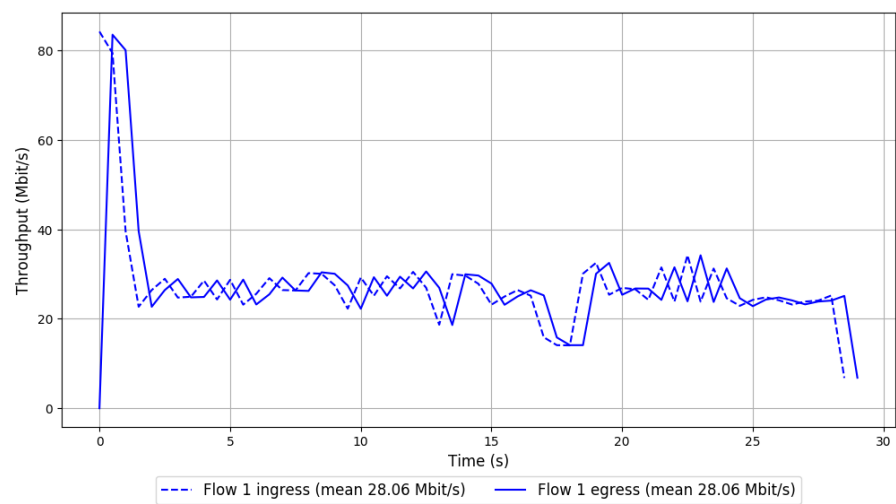


Run 2: Statistics of Indigo-MusesC5

Start at: 2019-02-05 13:29:37
End at: 2019-02-05 13:30:07
Local clock offset: -6.537 ms
Remote clock offset: -0.073 ms

Below is generated by plot.py at 2019-02-05 14:57:33
Datalink statistics
-- Total of 1 flow:
Average throughput: 28.06 Mbit/s
95th percentile per-packet one-way delay: 4.171 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 28.06 Mbit/s
95th percentile per-packet one-way delay: 4.171 ms
Loss rate: 0.01%

Run 2: Report of Indigo-MusesC5 — Data Link



Run 3: Statistics of Indigo-MusesC5

Start at: 2019-02-05 13:53:10

End at: 2019-02-05 13:53:40

Local clock offset: -5.723 ms

Remote clock offset: 0.286 ms

Below is generated by plot.py at 2019-02-05 14:57:34

Datalink statistics

-- Total of 1 flow:

Average throughput: 29.14 Mbit/s

95th percentile per-packet one-way delay: 3.472 ms

Loss rate: 0.01%

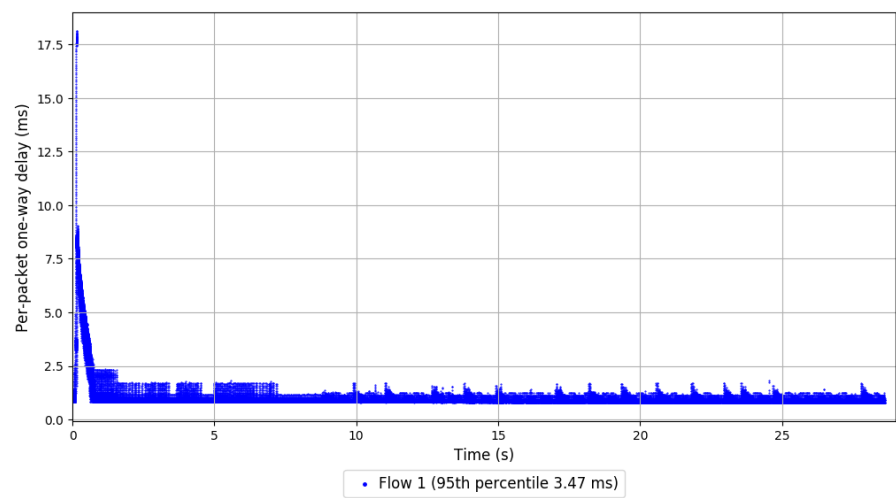
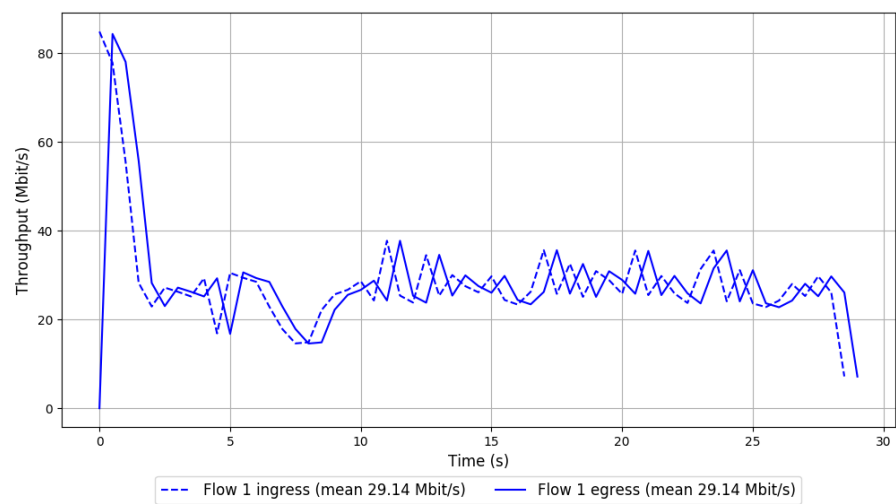
-- Flow 1:

Average throughput: 29.14 Mbit/s

95th percentile per-packet one-way delay: 3.472 ms

Loss rate: 0.01%

Run 3: Report of Indigo-MusesC5 — Data Link



Run 4: Statistics of Indigo-MusesC5

Start at: 2019-02-05 14:16:44

End at: 2019-02-05 14:17:14

Local clock offset: -5.201 ms

Remote clock offset: 0.521 ms

Below is generated by plot.py at 2019-02-05 14:57:34

Datalink statistics

-- Total of 1 flow:

Average throughput: 28.19 Mbit/s

95th percentile per-packet one-way delay: 1.532 ms

Loss rate: 0.01%

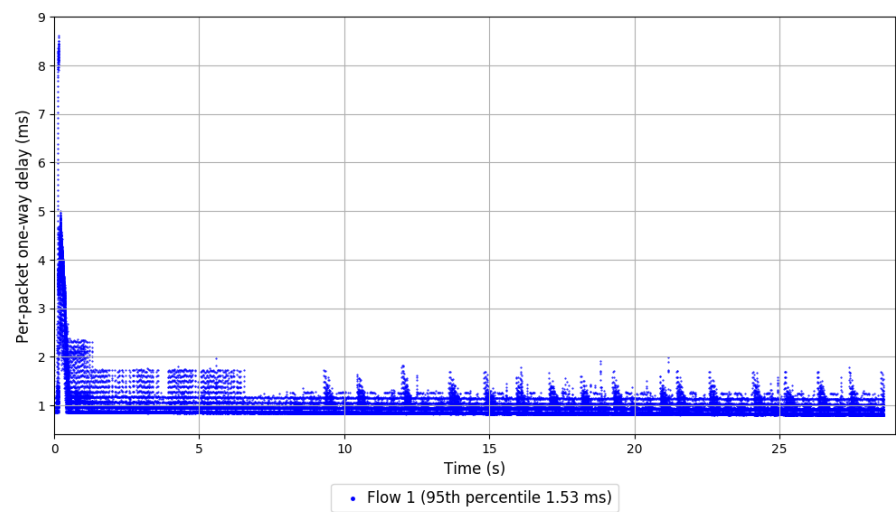
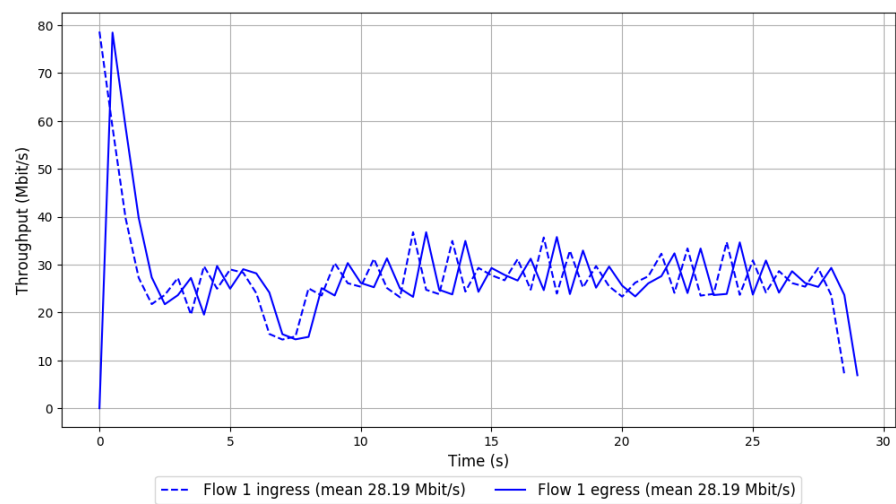
-- Flow 1:

Average throughput: 28.19 Mbit/s

95th percentile per-packet one-way delay: 1.532 ms

Loss rate: 0.01%

Run 4: Report of Indigo-MusesC5 — Data Link



Run 5: Statistics of Indigo-MusesC5

Start at: 2019-02-05 14:40:20

End at: 2019-02-05 14:40:50

Local clock offset: -4.269 ms

Remote clock offset: 0.228 ms

Below is generated by plot.py at 2019-02-05 14:57:34

Datalink statistics

-- Total of 1 flow:

Average throughput: 24.02 Mbit/s

95th percentile per-packet one-way delay: 5.022 ms

Loss rate: 0.01%

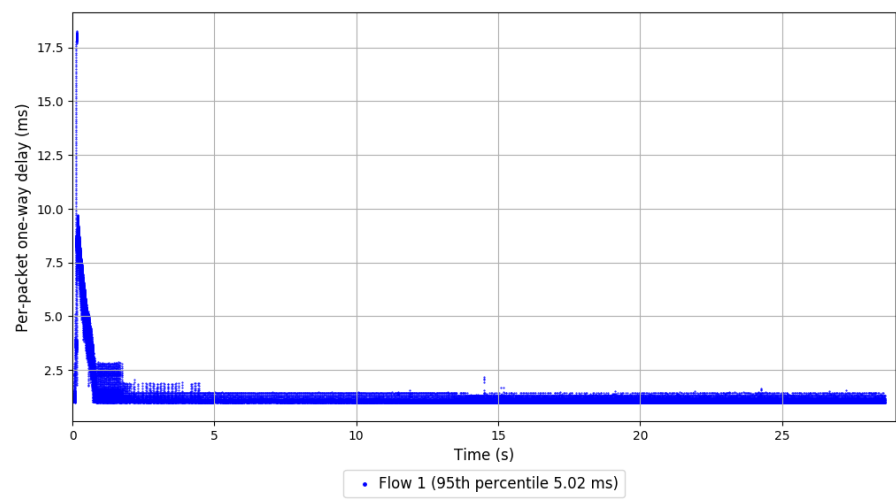
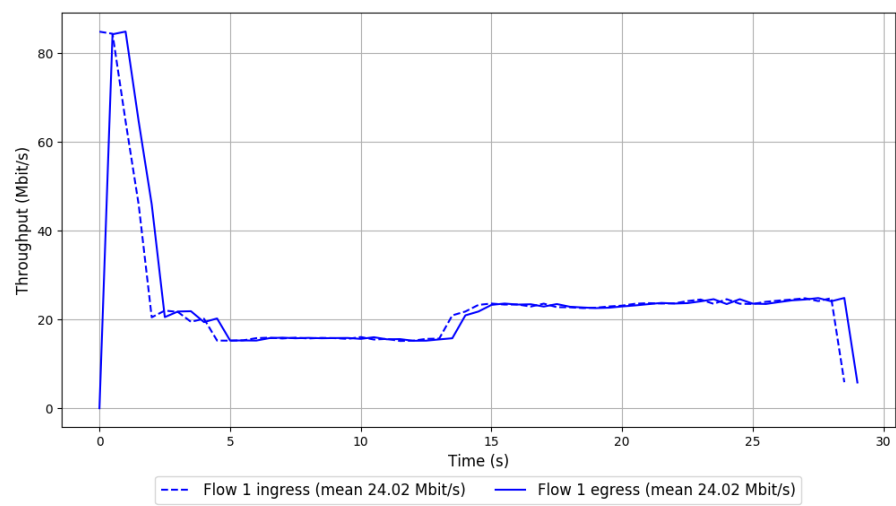
-- Flow 1:

Average throughput: 24.02 Mbit/s

95th percentile per-packet one-way delay: 5.022 ms

Loss rate: 0.01%

Run 5: Report of Indigo-MusesC5 — Data Link

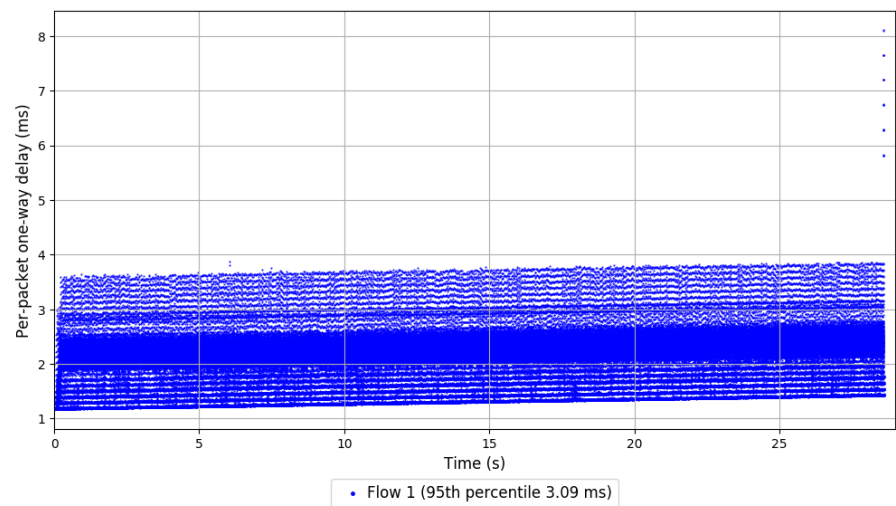
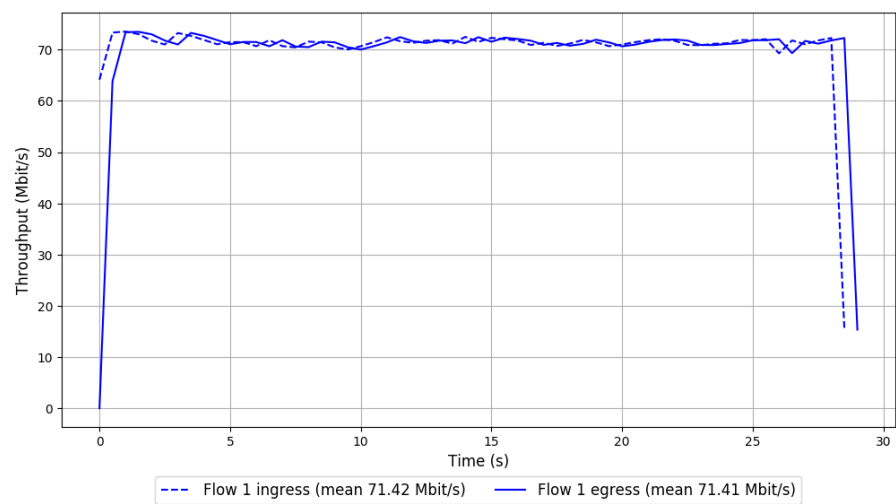



```
Run 1: Statistics of Indigo-MusesD

Start at: 2019-02-05 12:53:35
End at: 2019-02-05 12:54:05
Local clock offset: -1.868 ms
Remote clock offset: -0.646 ms

# Below is generated by plot.py at 2019-02-05 14:58:03
# Datalink statistics
-- Total of 1 flow:
Average throughput: 71.41 Mbit/s
95th percentile per-packet one-way delay: 3.091 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 71.41 Mbit/s
95th percentile per-packet one-way delay: 3.091 ms
Loss rate: 0.01%
```

Run 1: Report of Indigo-MusesD — Data Link



Run 2: Statistics of Indigo-MusesD

Start at: 2019-02-05 13:17:09

End at: 2019-02-05 13:17:39

Local clock offset: -7.535 ms

Remote clock offset: -0.415 ms

Below is generated by plot.py at 2019-02-05 14:58:15

Datalink statistics

-- Total of 1 flow:

Average throughput: 70.75 Mbit/s

95th percentile per-packet one-way delay: 2.860 ms

Loss rate: 0.01%

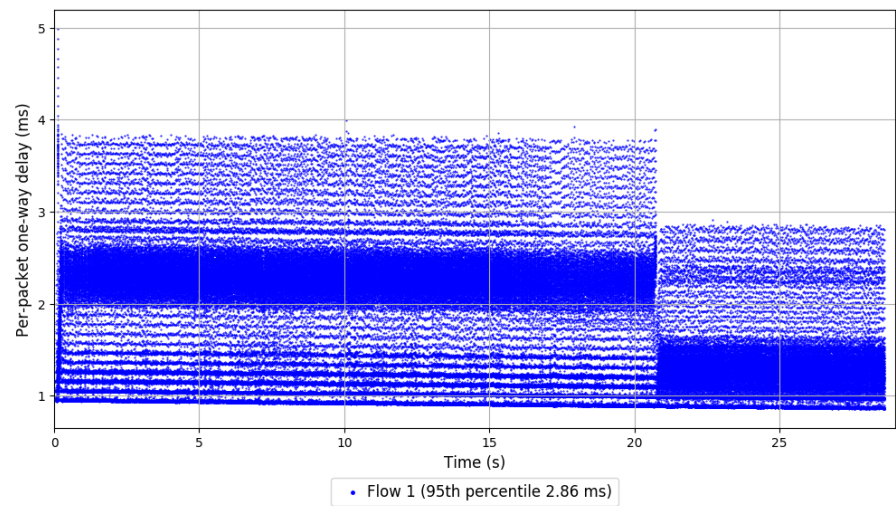
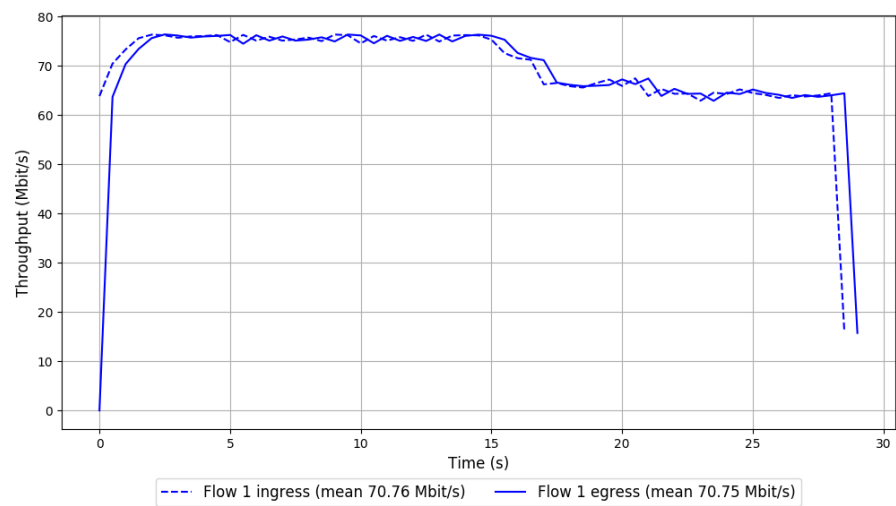
-- Flow 1:

Average throughput: 70.75 Mbit/s

95th percentile per-packet one-way delay: 2.860 ms

Loss rate: 0.01%

Run 2: Report of Indigo-MusesD — Data Link



Run 3: Statistics of Indigo-MusesD

Start at: 2019-02-05 13:40:47

End at: 2019-02-05 13:41:17

Local clock offset: -6.74 ms

Remote clock offset: 0.064 ms

Below is generated by plot.py at 2019-02-05 14:58:15

Datalink statistics

-- Total of 1 flow:

Average throughput: 64.38 Mbit/s

95th percentile per-packet one-way delay: 2.599 ms

Loss rate: 0.00%

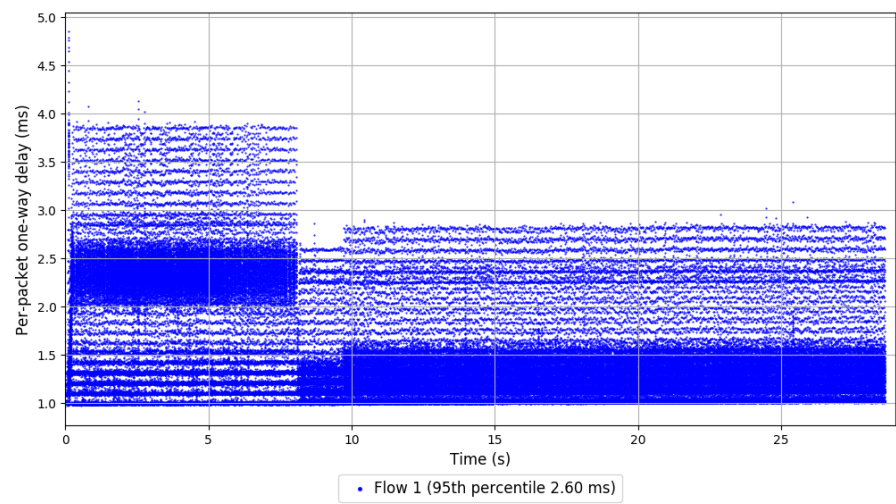
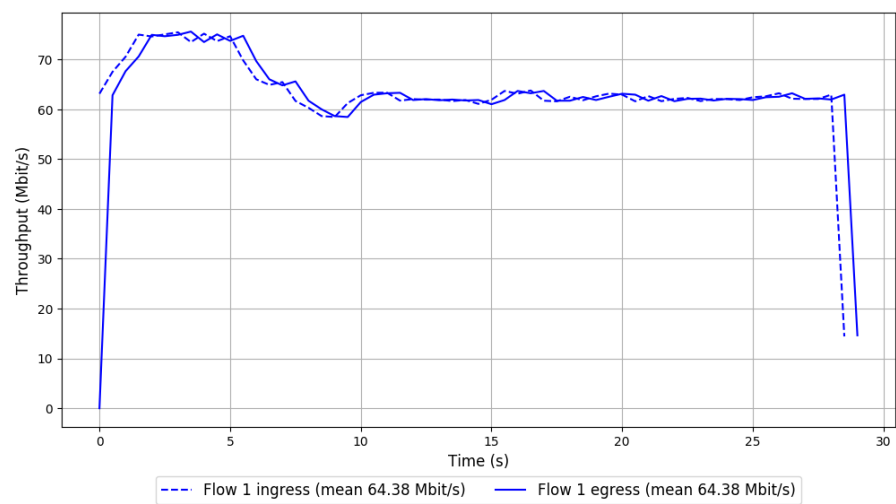
-- Flow 1:

Average throughput: 64.38 Mbit/s

95th percentile per-packet one-way delay: 2.599 ms

Loss rate: 0.00%

Run 3: Report of Indigo-MusesD — Data Link



Run 4: Statistics of Indigo-MusesD

Start at: 2019-02-05 14:04:20

End at: 2019-02-05 14:04:50

Local clock offset: -5.236 ms

Remote clock offset: 0.355 ms

Below is generated by plot.py at 2019-02-05 14:58:15

Datalink statistics

-- Total of 1 flow:

Average throughput: 21.29 Mbit/s

95th percentile per-packet one-way delay: 1.217 ms

Loss rate: 0.00%

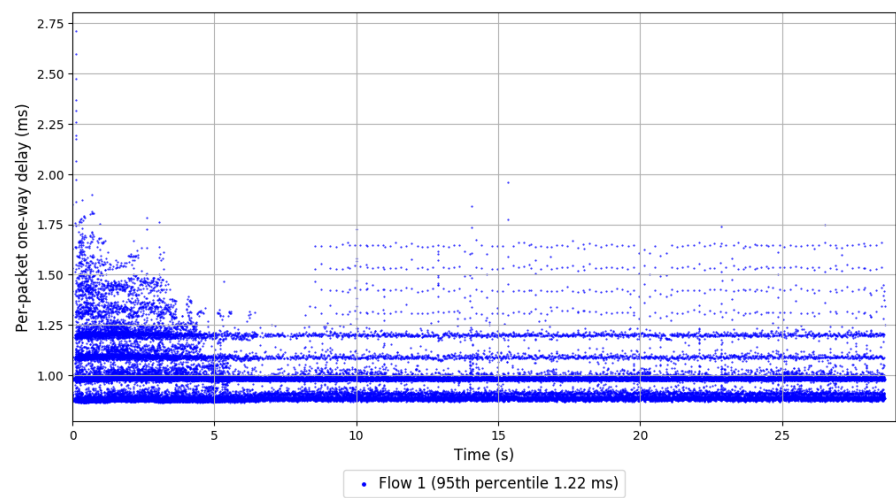
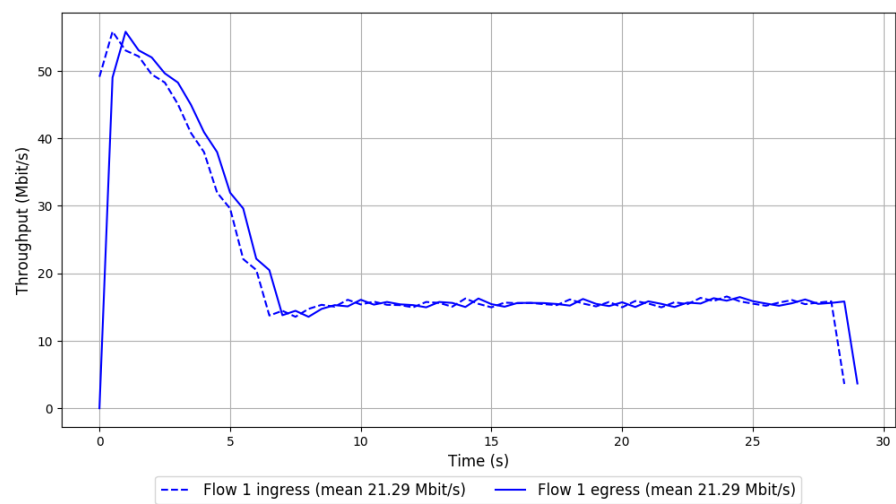
-- Flow 1:

Average throughput: 21.29 Mbit/s

95th percentile per-packet one-way delay: 1.217 ms

Loss rate: 0.00%

Run 4: Report of Indigo-MusesD — Data Link



Run 5: Statistics of Indigo-MusesD

Start at: 2019-02-05 14:27:54

End at: 2019-02-05 14:28:24

Local clock offset: -4.416 ms

Remote clock offset: 0.476 ms

Below is generated by plot.py at 2019-02-05 14:58:18

Datalink statistics

-- Total of 1 flow:

Average throughput: 68.58 Mbit/s

95th percentile per-packet one-way delay: 2.810 ms

Loss rate: 0.01%

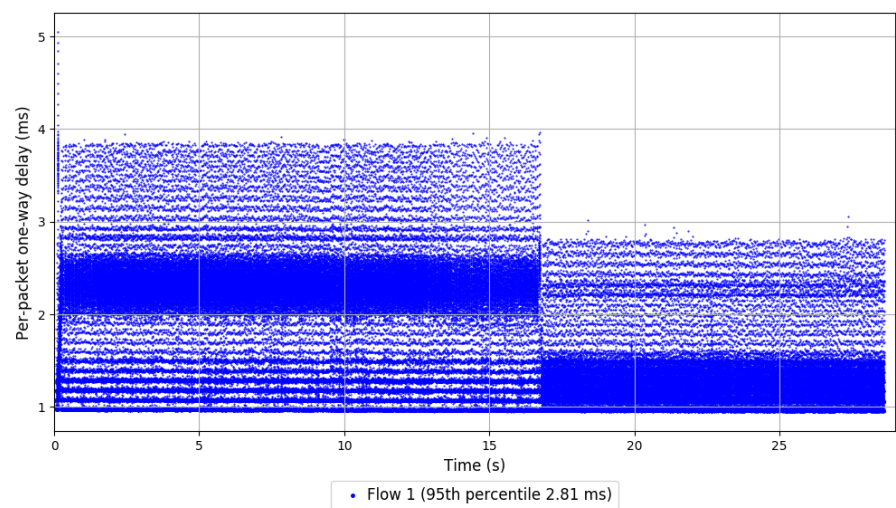
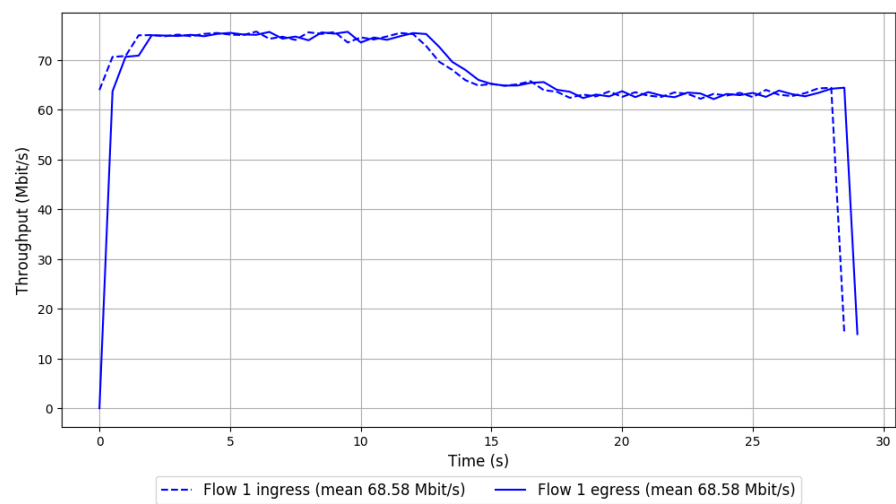
-- Flow 1:

Average throughput: 68.58 Mbit/s

95th percentile per-packet one-way delay: 2.810 ms

Loss rate: 0.01%

Run 5: Report of Indigo-MusesD — Data Link

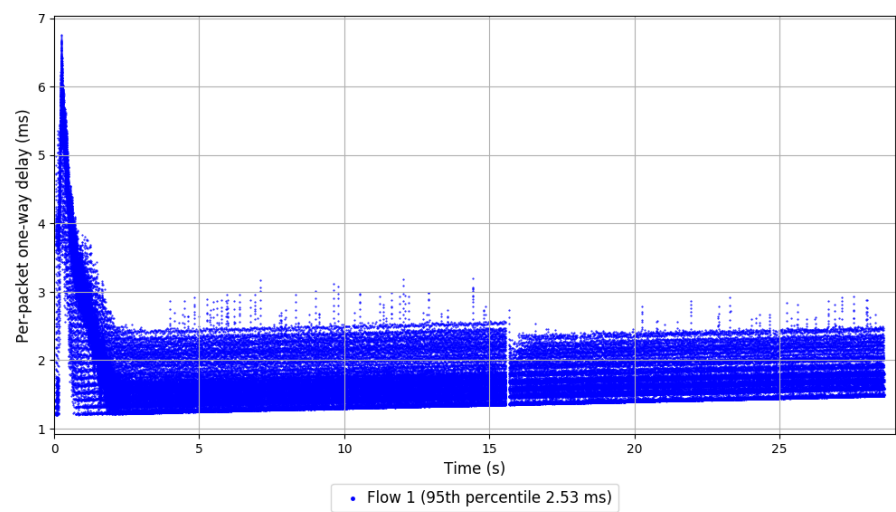
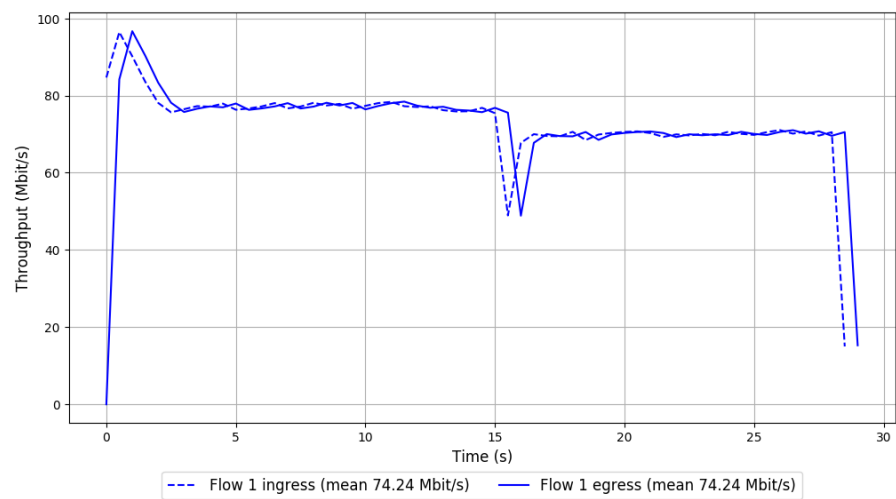


```
Run 1: Statistics of Indigo-MusesT

Start at: 2019-02-05 12:52:28
End at: 2019-02-05 12:52:58
Local clock offset: -1.149 ms
Remote clock offset: -0.573 ms

# Below is generated by plot.py at 2019-02-05 14:58:25
# Datalink statistics
-- Total of 1 flow:
Average throughput: 74.24 Mbit/s
95th percentile per-packet one-way delay: 2.530 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 74.24 Mbit/s
95th percentile per-packet one-way delay: 2.530 ms
Loss rate: 0.00%
```

Run 1: Report of Indigo-MusesT — Data Link



Run 2: Statistics of Indigo-MusesT

Start at: 2019-02-05 13:16:02

End at: 2019-02-05 13:16:32

Local clock offset: -7.79 ms

Remote clock offset: -0.374 ms

Below is generated by plot.py at 2019-02-05 14:58:26

Datalink statistics

-- Total of 1 flow:

Average throughput: 76.20 Mbit/s

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

Loss rate: 0.00%

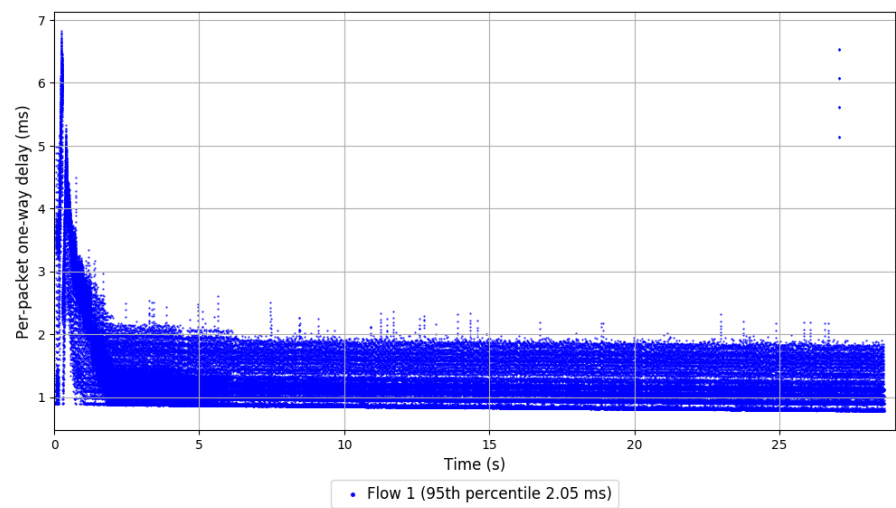
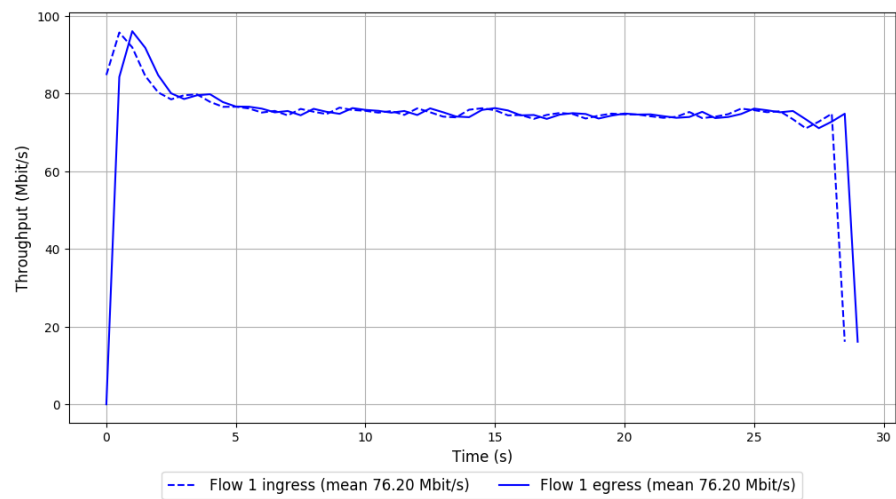
-- Flow 1:

Average throughput: 76.20 Mbit/s

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

Loss rate: 0.00%

Run 2: Report of Indigo-MusesT — Data Link



Run 3: Statistics of Indigo-MusesT

Start at: 2019-02-05 13:39:40

End at: 2019-02-05 13:40:10

Local clock offset: -6.703 ms

Remote clock offset: 0.018 ms

Below is generated by plot.py at 2019-02-05 14:58:27

Datalink statistics

-- Total of 1 flow:

Average throughput: 76.50 Mbit/s

95th percentile per-packet one-way delay: 2.250 ms

Loss rate: 0.01%

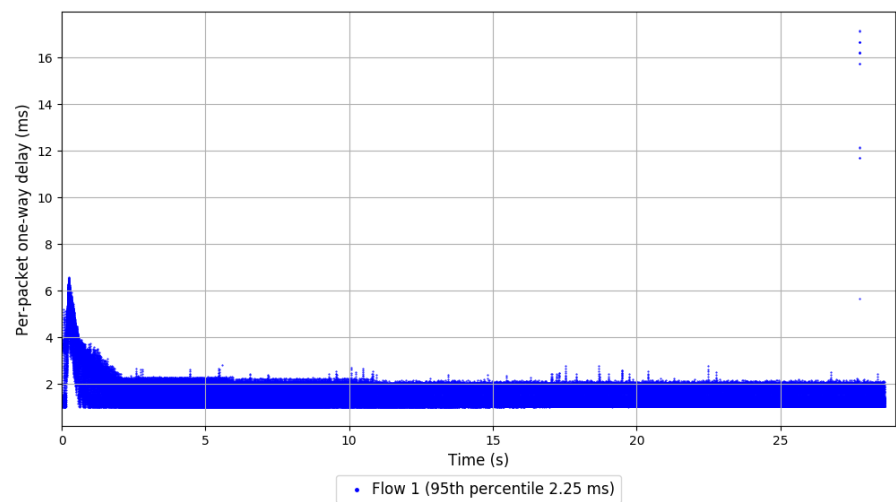
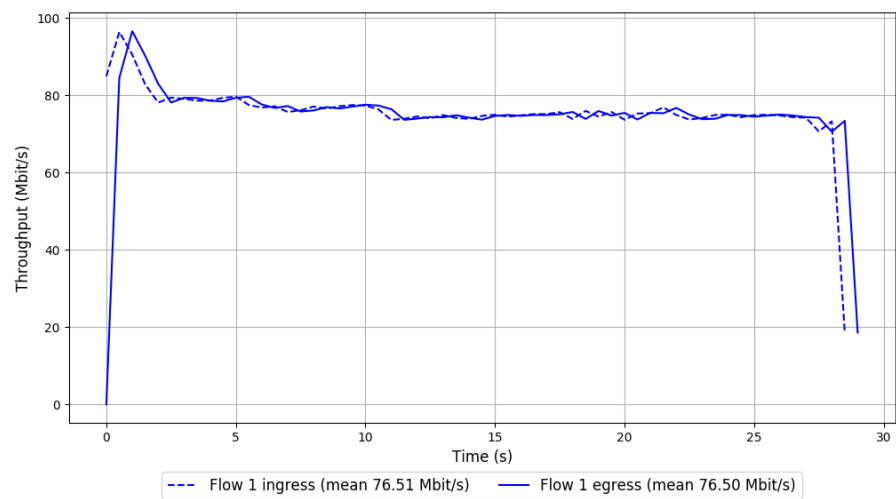
-- Flow 1:

Average throughput: 76.50 Mbit/s

95th percentile per-packet one-way delay: 2.250 ms

Loss rate: 0.01%

Run 3: Report of Indigo-MusesT — Data Link



Run 4: Statistics of Indigo-MusesT

Start at: 2019-02-05 14:03:13

End at: 2019-02-05 14:03:43

Local clock offset: -5.252 ms

Remote clock offset: 0.329 ms

Below is generated by plot.py at 2019-02-05 14:58:37

Datalink statistics

-- Total of 1 flow:

Average throughput: 76.79 Mbit/s

95th percentile per-packet one-way delay: 2.947 ms

Loss rate: 0.01%

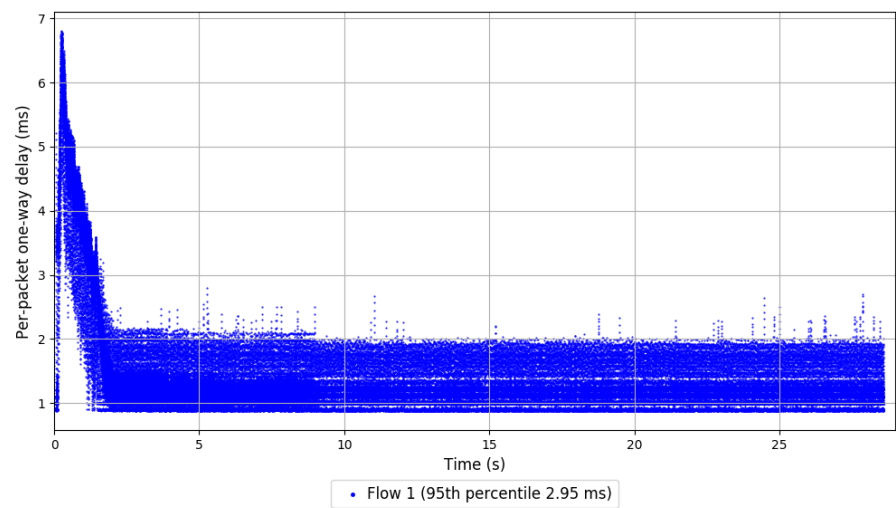
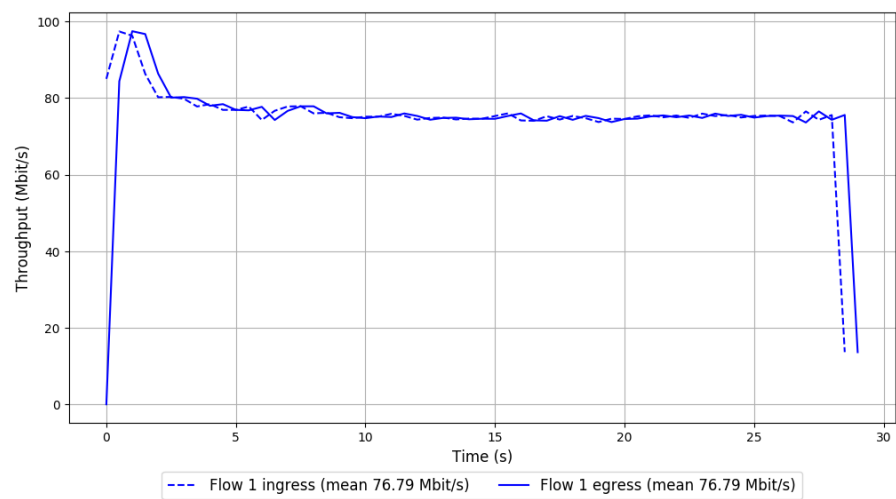
-- Flow 1:

Average throughput: 76.79 Mbit/s

95th percentile per-packet one-way delay: 2.947 ms

Loss rate: 0.01%

Run 4: Report of Indigo-MusesT — Data Link



Run 5: Statistics of Indigo-MusesT

Start at: 2019-02-05 14:26:47

End at: 2019-02-05 14:27:17

Local clock offset: -4.468 ms

Remote clock offset: 0.493 ms

Below is generated by plot.py at 2019-02-05 14:58:52

Datalink statistics

-- Total of 1 flow:

Average throughput: 76.25 Mbit/s

95th percentile per-packet one-way delay: 2.234 ms

Loss rate: 0.01%

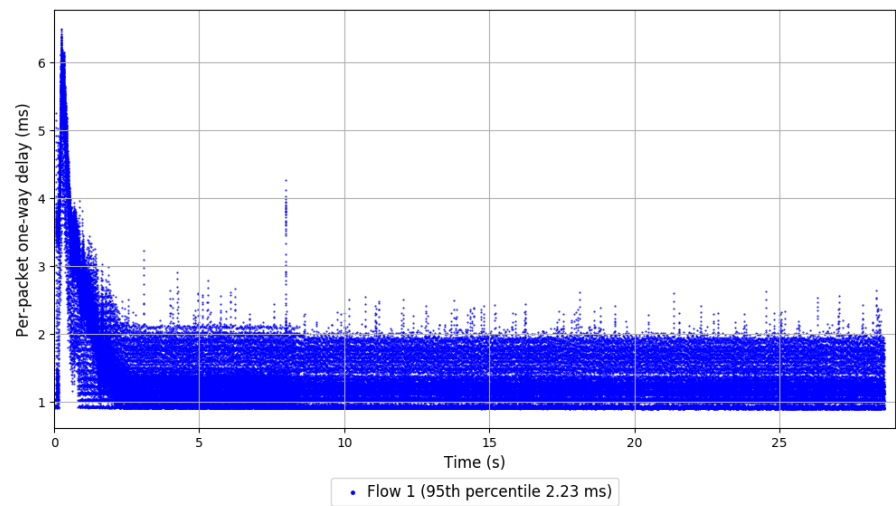
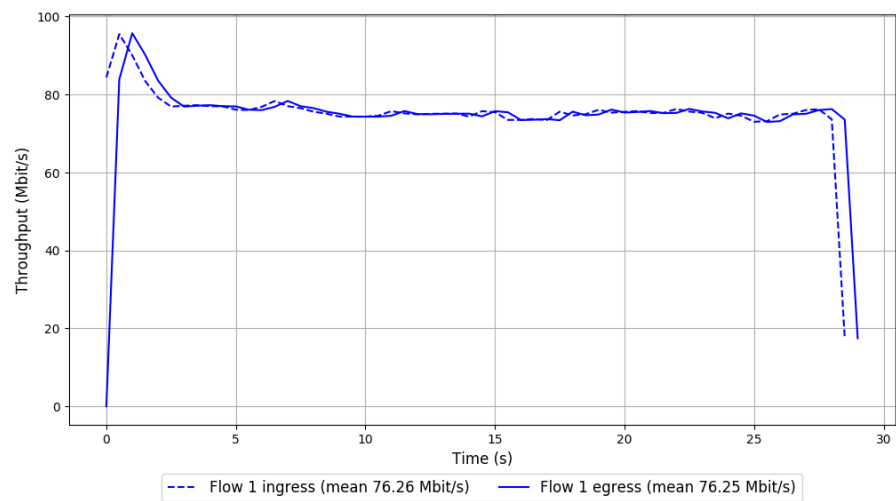
-- Flow 1:

Average throughput: 76.25 Mbit/s

95th percentile per-packet one-way delay: 2.234 ms

Loss rate: 0.01%

Run 5: Report of Indigo-MusesT — Data Link

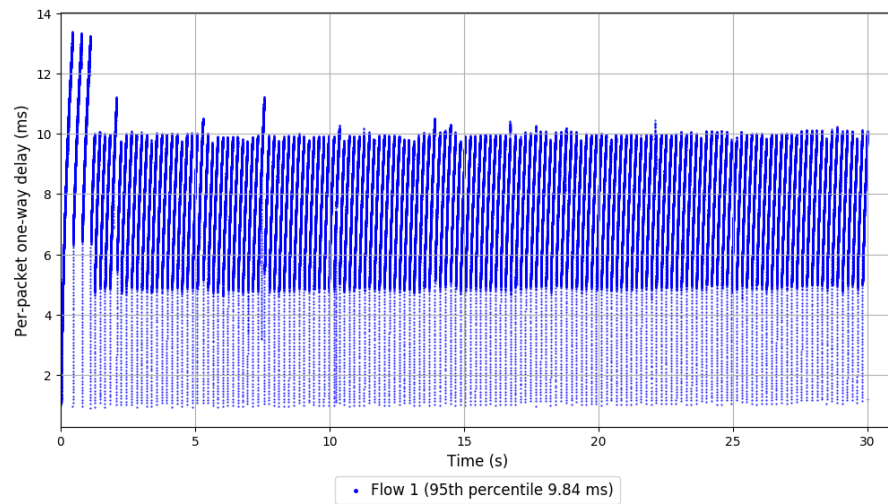
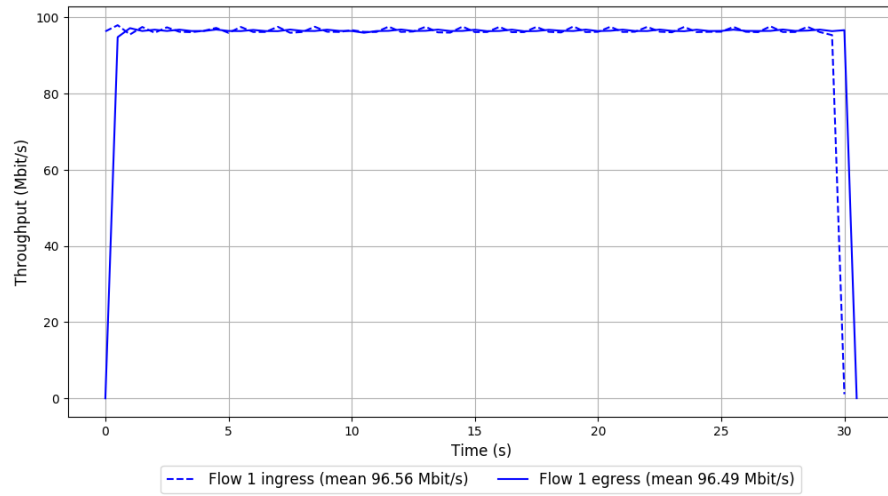


Run 1: Statistics of LEDBAT

Start at: 2019-02-05 13:02:34
End at: 2019-02-05 13:03:05
Local clock offset: -5.424 ms
Remote clock offset: -0.658 ms

Below is generated by plot.py at 2019-02-05 14:59:20
Datalink statistics
-- Total of 1 flow:
Average throughput: 96.49 Mbit/s
95th percentile per-packet one-way delay: 9.837 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 96.49 Mbit/s
95th percentile per-packet one-way delay: 9.837 ms
Loss rate: 0.08%

Run 1: Report of LEDBAT — Data Link

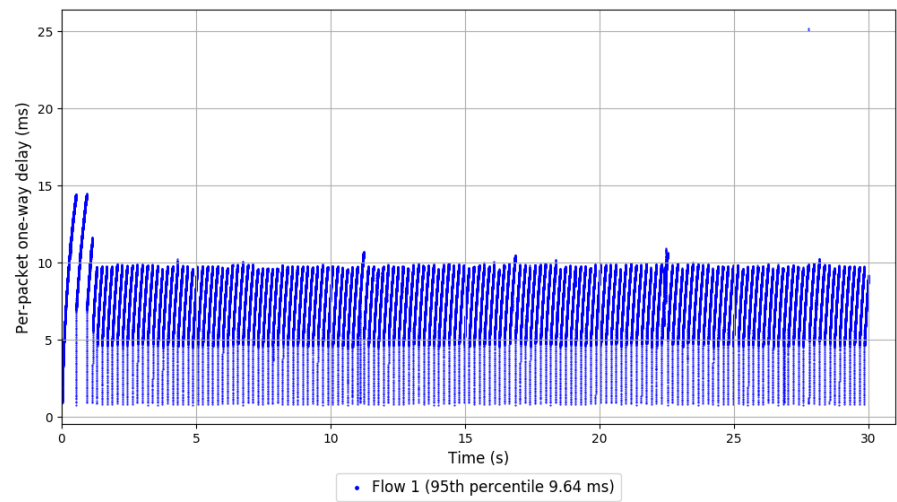
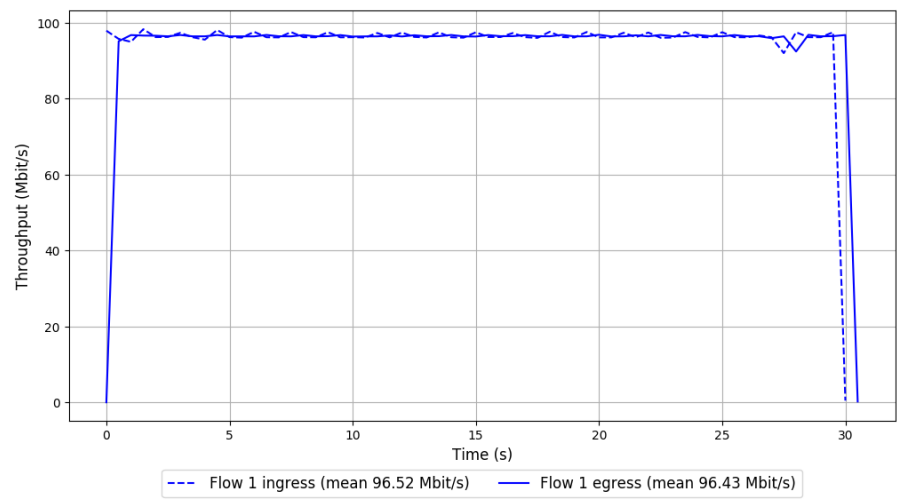


Run 2: Statistics of LEDBAT

Start at: 2019-02-05 13:26:12
End at: 2019-02-05 13:26:42
Local clock offset: -6.529 ms
Remote clock offset: -0.127 ms

Below is generated by plot.py at 2019-02-05 14:59:21
Datalink statistics
-- Total of 1 flow:
Average throughput: 96.43 Mbit/s
95th percentile per-packet one-way delay: 9.640 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 96.43 Mbit/s
95th percentile per-packet one-way delay: 9.640 ms
Loss rate: 0.10%

Run 2: Report of LEDBAT — Data Link



Run 3: Statistics of LEDBAT

Start at: 2019-02-05 13:49:46

End at: 2019-02-05 13:50:16

Local clock offset: -6.233 ms

Remote clock offset: 0.105 ms

Below is generated by plot.py at 2019-02-05 14:59:25

Datalink statistics

-- Total of 1 flow:

Average throughput: 96.51 Mbit/s

95th percentile per-packet one-way delay: 9.614 ms

Loss rate: 0.10%

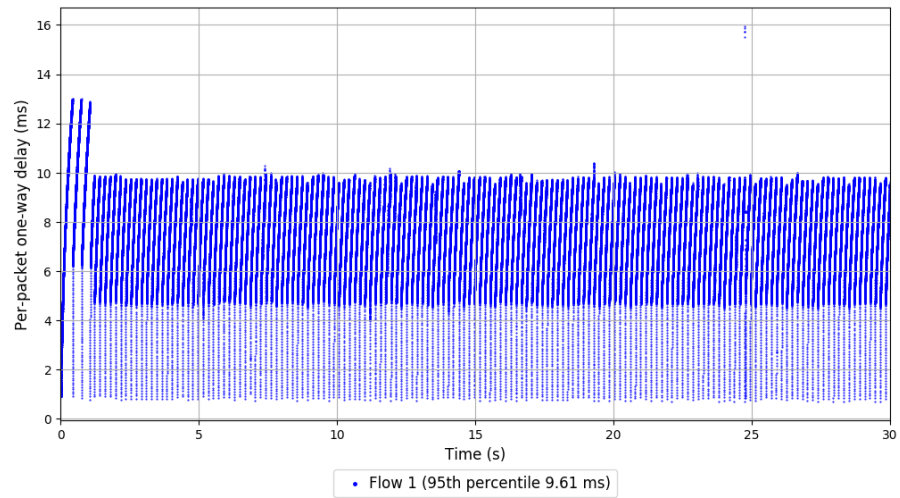
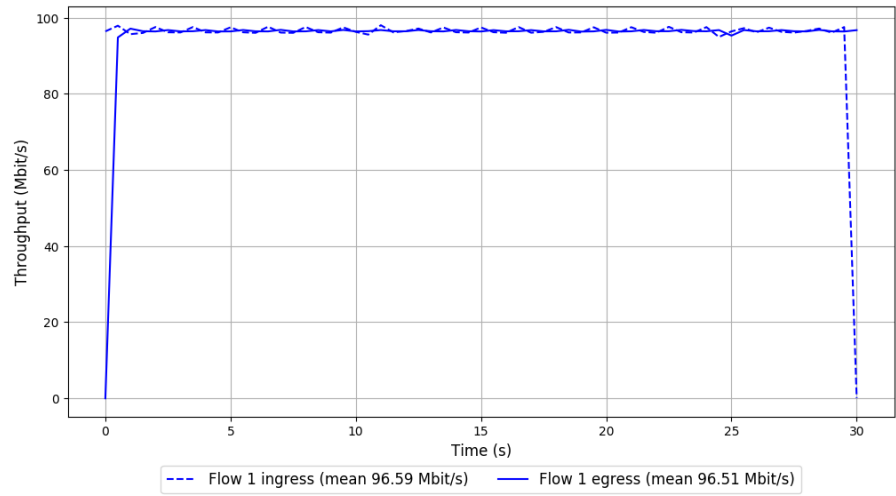
-- Flow 1:

Average throughput: 96.51 Mbit/s

95th percentile per-packet one-way delay: 9.614 ms

Loss rate: 0.10%

Run 3: Report of LEDBAT — Data Link



Run 4: Statistics of LEDBAT

Start at: 2019-02-05 14:13:20

End at: 2019-02-05 14:13:50

Local clock offset: -5.245 ms

Remote clock offset: 0.421 ms

Below is generated by plot.py at 2019-02-05 14:59:32

Datalink statistics

-- Total of 1 flow:

Average throughput: 96.50 Mbit/s

95th percentile per-packet one-way delay: 9.727 ms

Loss rate: 0.10%

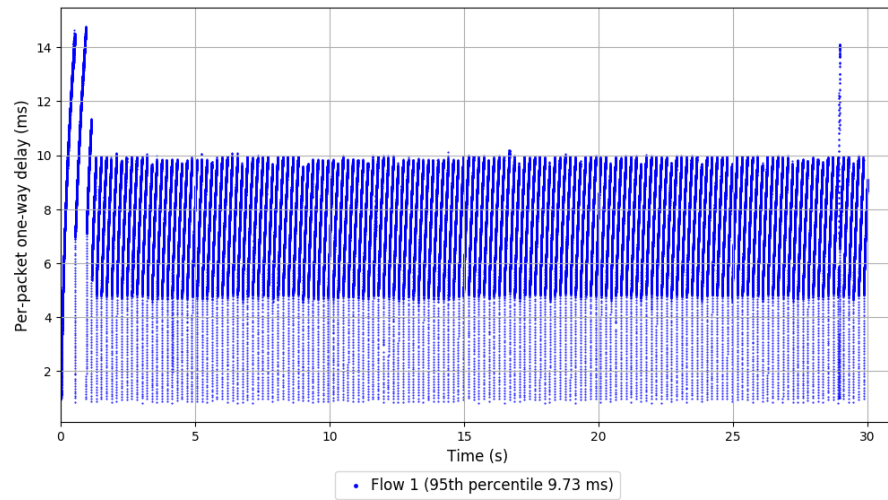
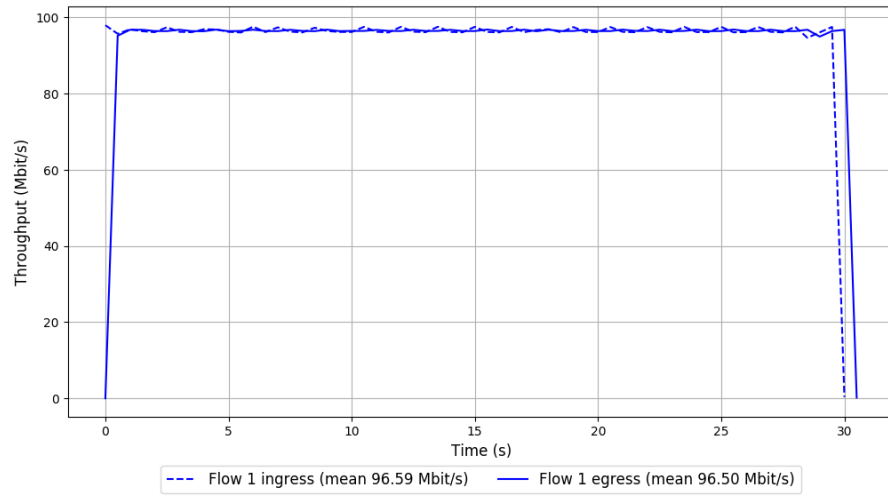
-- Flow 1:

Average throughput: 96.50 Mbit/s

95th percentile per-packet one-way delay: 9.727 ms

Loss rate: 0.10%

Run 4: Report of LEDBAT — Data Link



Run 5: Statistics of LEDBAT

Start at: 2019-02-05 14:36:55

End at: 2019-02-05 14:37:25

Local clock offset: -4.274 ms

Remote clock offset: 0.374 ms

Below is generated by plot.py at 2019-02-05 14:59:34

Datalink statistics

-- Total of 1 flow:

Average throughput: 96.47 Mbit/s

95th percentile per-packet one-way delay: 9.682 ms

Loss rate: 0.09%

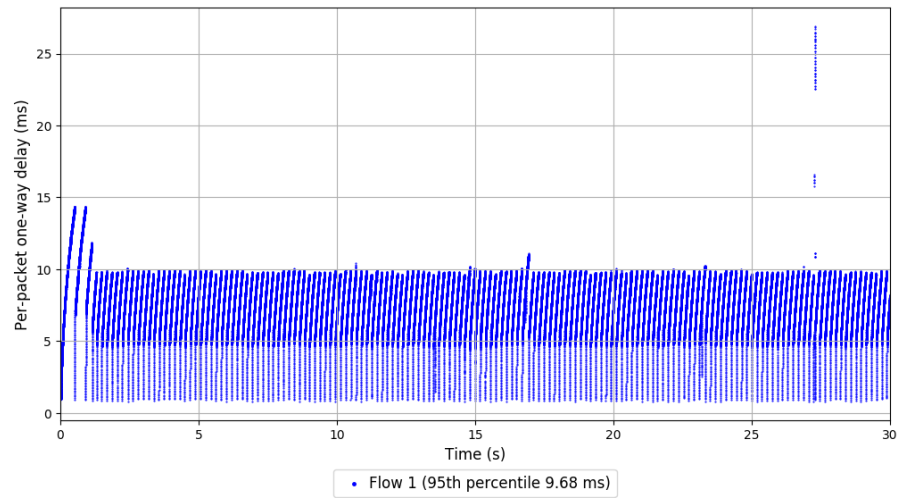
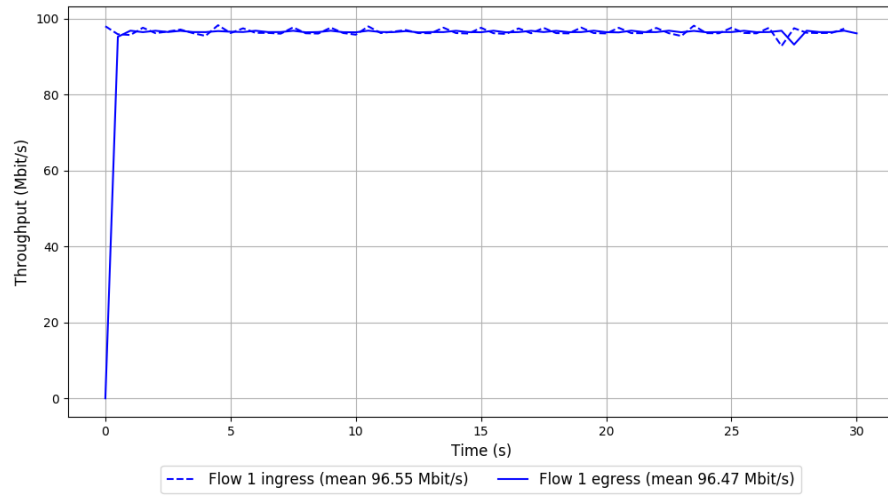
-- Flow 1:

Average throughput: 96.47 Mbit/s

95th percentile per-packet one-way delay: 9.682 ms

Loss rate: 0.09%

Run 5: Report of LEDBAT — Data Link



Run 1: Statistics of PCC-Allegro

Start at: 2019-02-05 13:14:55

End at: 2019-02-05 13:15:25

Local clock offset: -7.671 ms

Remote clock offset: -0.421 ms

Below is generated by plot.py at 2019-02-05 14:59:34

Datalink statistics

-- Total of 1 flow:

Average throughput: 82.21 Mbit/s

95th percentile per-packet one-way delay: 4.662 ms

Loss rate: 0.01%

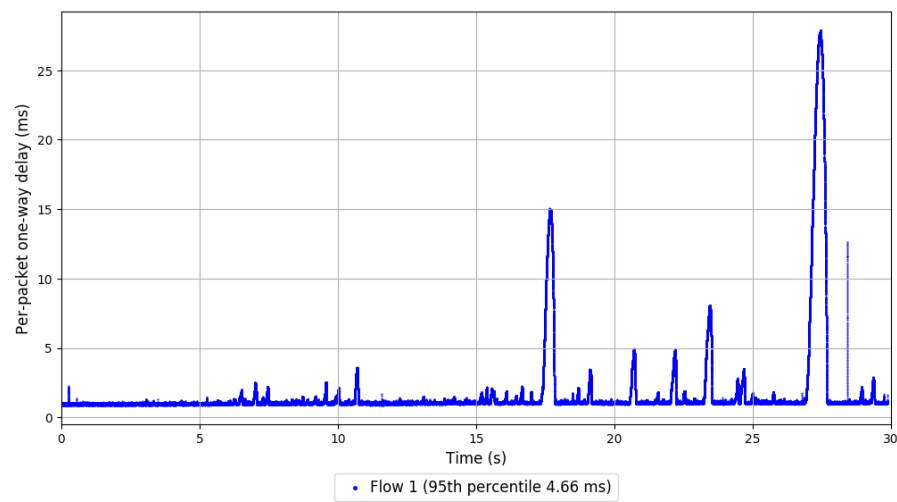
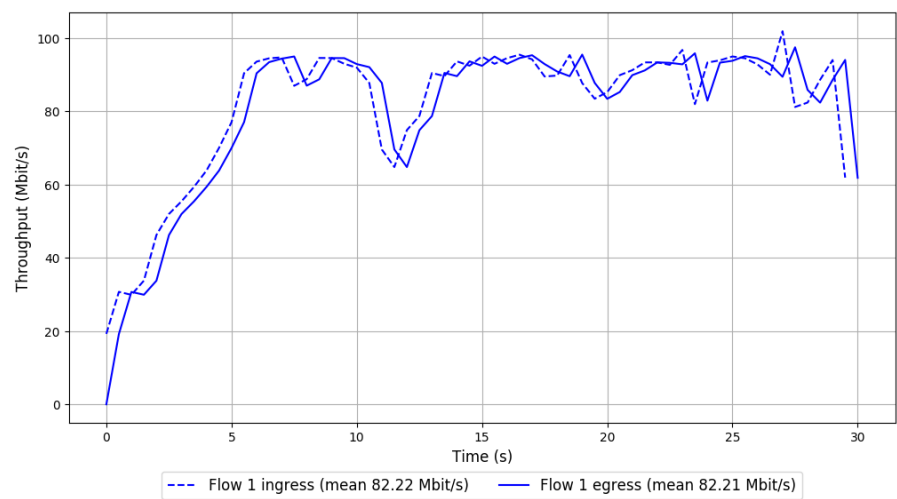
-- Flow 1:

Average throughput: 82.21 Mbit/s

95th percentile per-packet one-way delay: 4.662 ms

Loss rate: 0.01%

Run 1: Report of PCC-Allegro — Data Link



Run 2: Statistics of PCC-Allegro

Start at: 2019-02-05 13:38:33

End at: 2019-02-05 13:39:03

Local clock offset: -6.659 ms

Remote clock offset: -0.046 ms

Below is generated by plot.py at 2019-02-05 14:59:47

Datalink statistics

-- Total of 1 flow:

Average throughput: 90.28 Mbit/s

95th percentile per-packet one-way delay: 4.374 ms

Loss rate: 0.01%

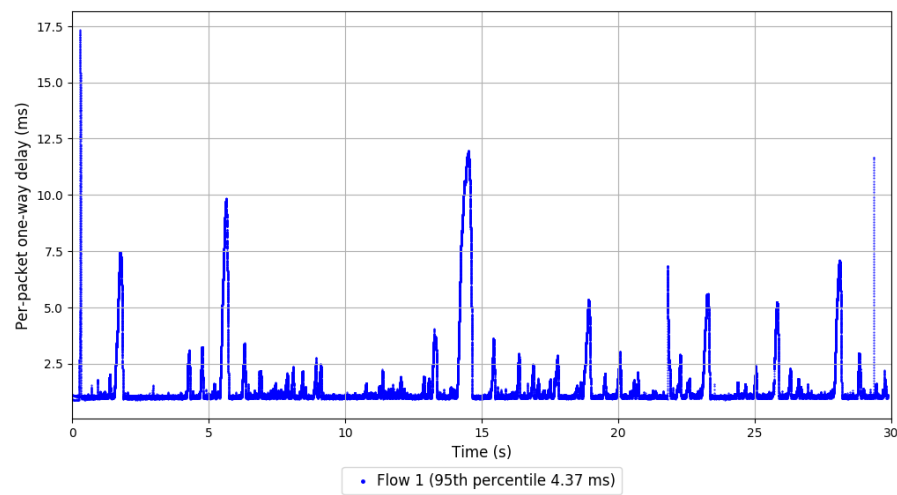
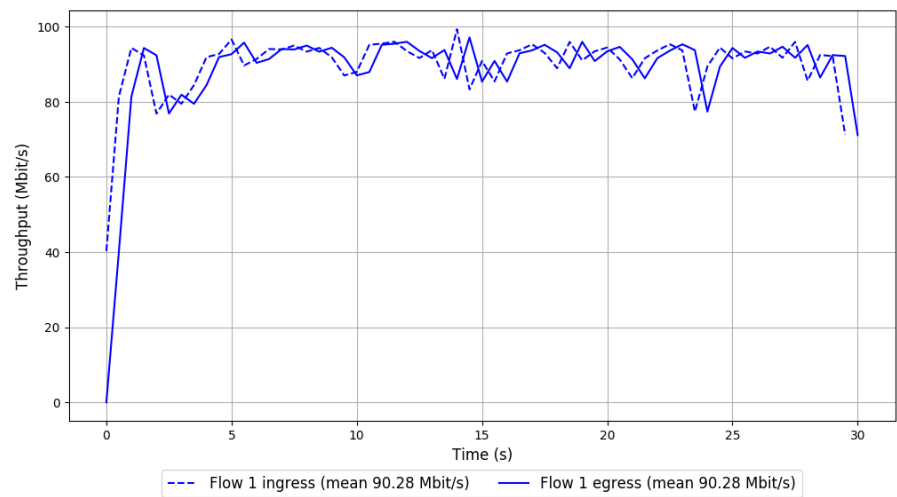
-- Flow 1:

Average throughput: 90.28 Mbit/s

95th percentile per-packet one-way delay: 4.374 ms

Loss rate: 0.01%

Run 2: Report of PCC-Allegro — Data Link



Run 3: Statistics of PCC-Allegro

Start at: 2019-02-05 14:02:06

End at: 2019-02-05 14:02:36

Local clock offset: -5.277 ms

Remote clock offset: 0.362 ms

Below is generated by plot.py at 2019-02-05 15:00:05

Datalink statistics

-- Total of 1 flow:

Average throughput: 85.68 Mbit/s

95th percentile per-packet one-way delay: 2.794 ms

Loss rate: 0.01%

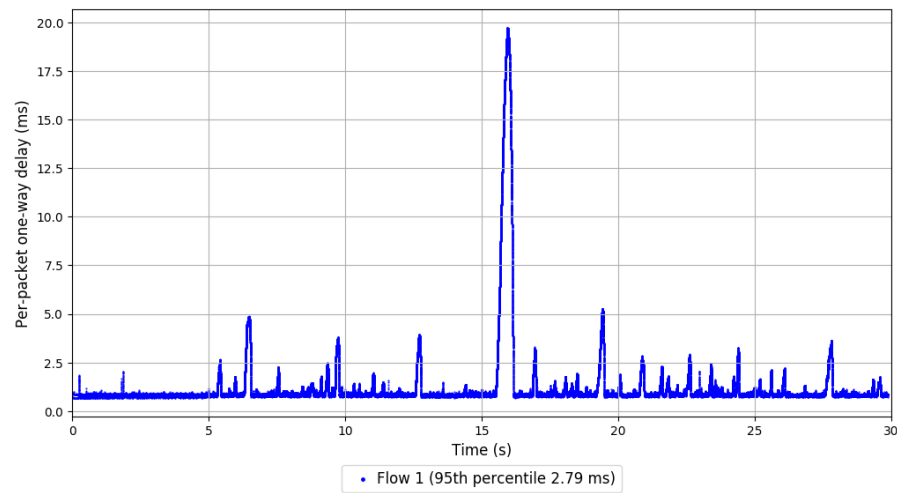
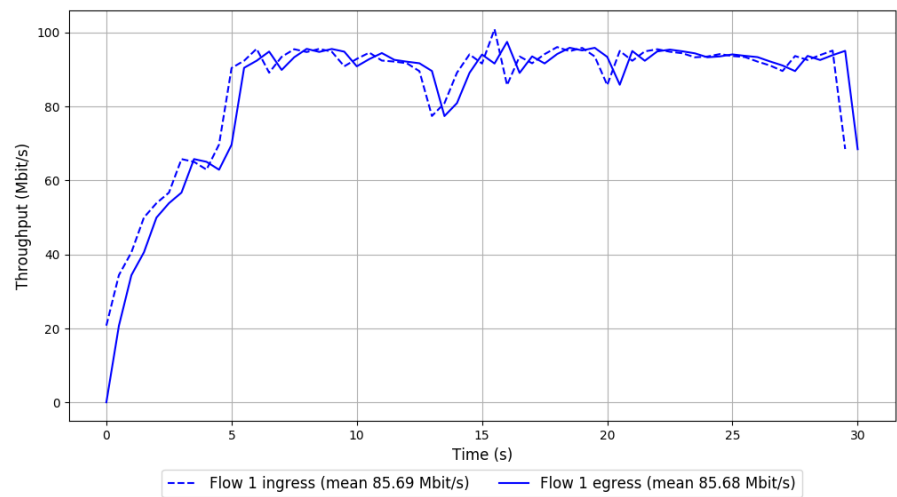
-- Flow 1:

Average throughput: 85.68 Mbit/s

95th percentile per-packet one-way delay: 2.794 ms

Loss rate: 0.01%

Run 3: Report of PCC-Allegro — Data Link



Run 4: Statistics of PCC-Allegro

Start at: 2019-02-05 14:25:40

End at: 2019-02-05 14:26:11

Local clock offset: -4.489 ms

Remote clock offset: 0.471 ms

Below is generated by plot.py at 2019-02-05 15:00:20

Datalink statistics

-- Total of 1 flow:

Average throughput: 83.54 Mbit/s

95th percentile per-packet one-way delay: 2.529 ms

Loss rate: 0.01%

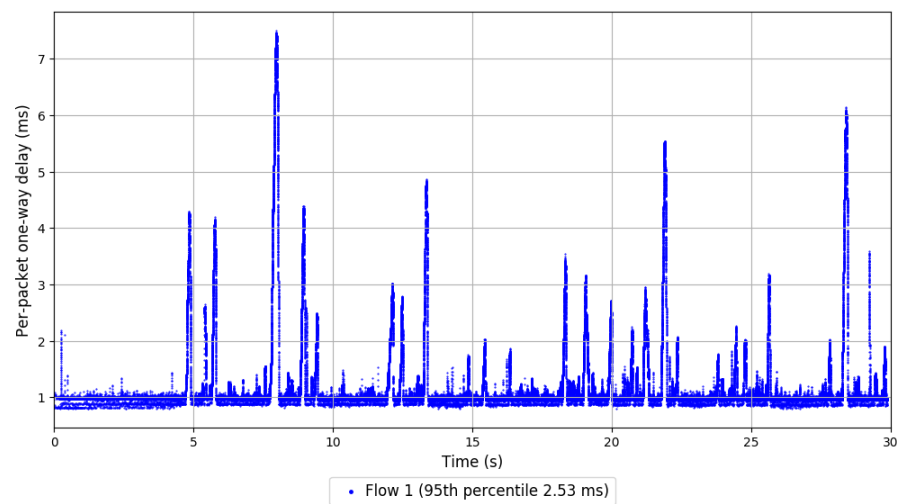
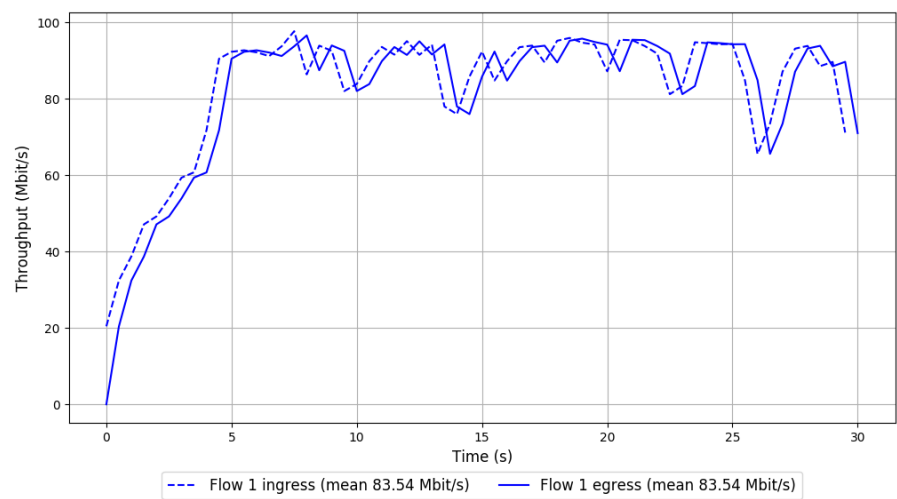
-- Flow 1:

Average throughput: 83.54 Mbit/s

95th percentile per-packet one-way delay: 2.529 ms

Loss rate: 0.01%

Run 4: Report of PCC-Allegro — Data Link



Run 5: Statistics of PCC-Allegro

Start at: 2019-02-05 14:49:16

End at: 2019-02-05 14:49:46

Local clock offset: -4.406 ms

Remote clock offset: 0.115 ms

Below is generated by plot.py at 2019-02-05 15:00:20

Datalink statistics

-- Total of 1 flow:

Average throughput: 82.07 Mbit/s

95th percentile per-packet one-way delay: 9.407 ms

Loss rate: 0.02%

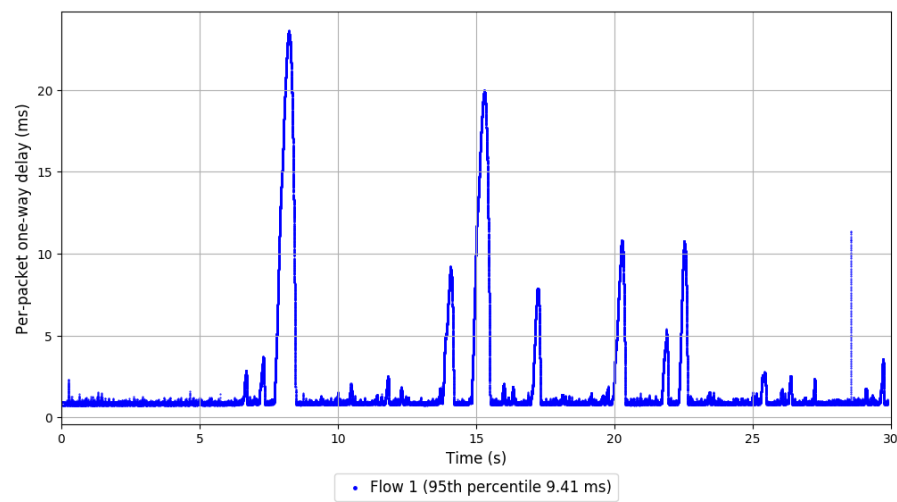
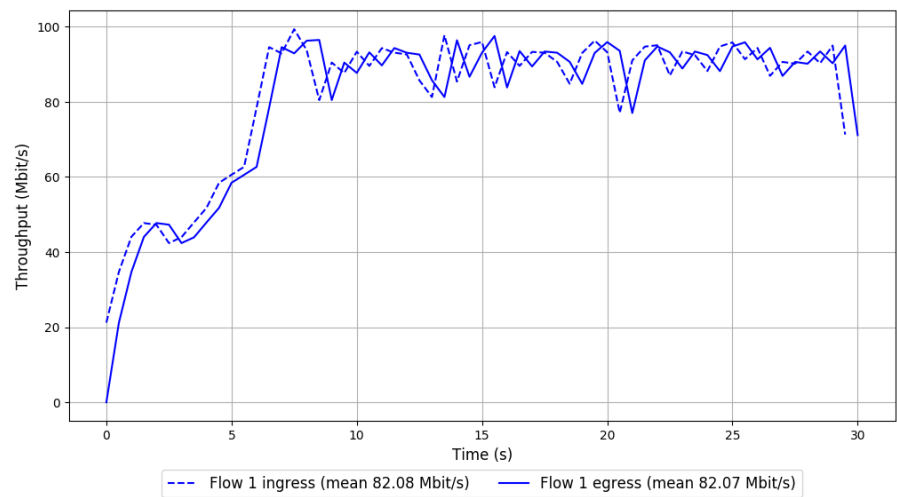
-- Flow 1:

Average throughput: 82.07 Mbit/s

95th percentile per-packet one-way delay: 9.407 ms

Loss rate: 0.02%

Run 5: Report of PCC-Allegro — Data Link

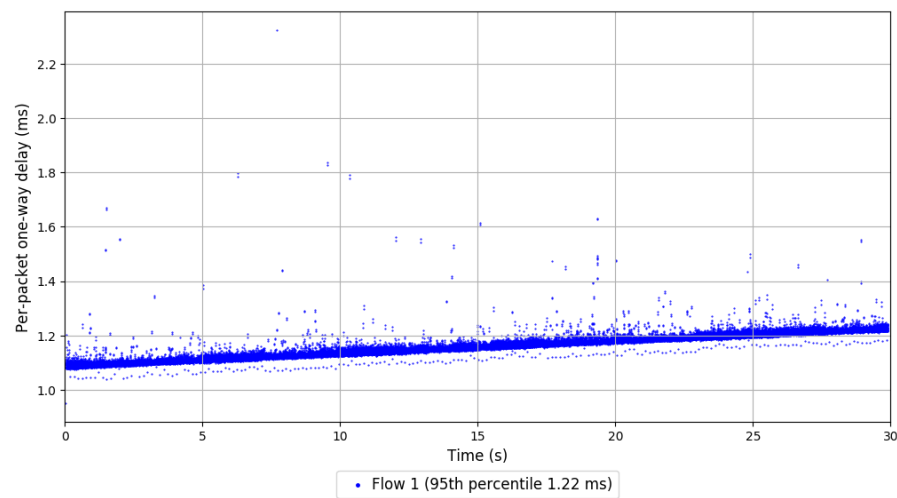
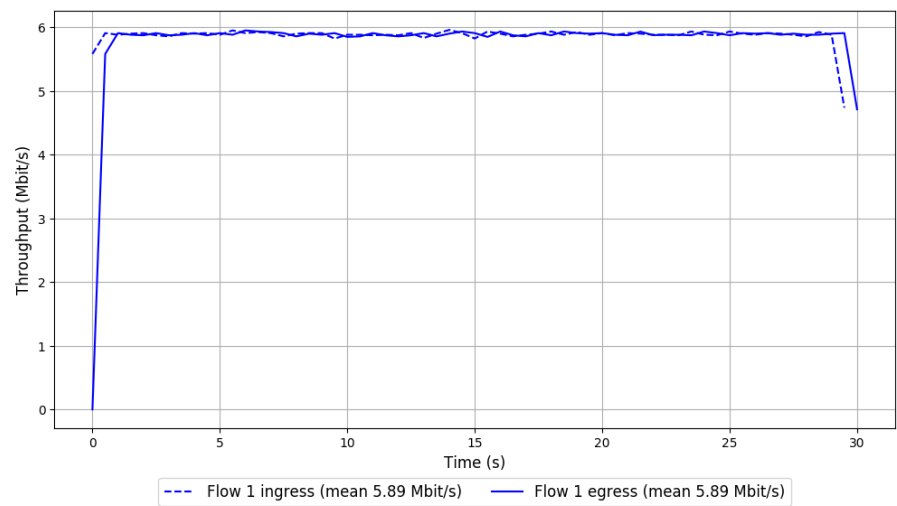


Run 1: Statistics of PCC-Expr

Start at: 2019-02-05 13:01:30
End at: 2019-02-05 13:02:00
Local clock offset: -5.049 ms
Remote clock offset: -0.625 ms

Below is generated by plot.py at 2019-02-05 15:00:20
Datalink statistics
-- Total of 1 flow:
Average throughput: 5.89 Mbit/s
95th percentile per-packet one-way delay: 1.223 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 5.89 Mbit/s
95th percentile per-packet one-way delay: 1.223 ms
Loss rate: 0.01%

Run 1: Report of PCC-Expr — Data Link



Run 2: Statistics of PCC-Expr

Start at: 2019-02-05 13:25:04

End at: 2019-02-05 13:25:34

Local clock offset: -6.583 ms

Remote clock offset: -0.151 ms

Below is generated by plot.py at 2019-02-05 15:00:42

Datalink statistics

-- Total of 1 flow:

Average throughput: 56.59 Mbit/s

95th percentile per-packet one-way delay: 108.979 ms

Loss rate: 0.19%

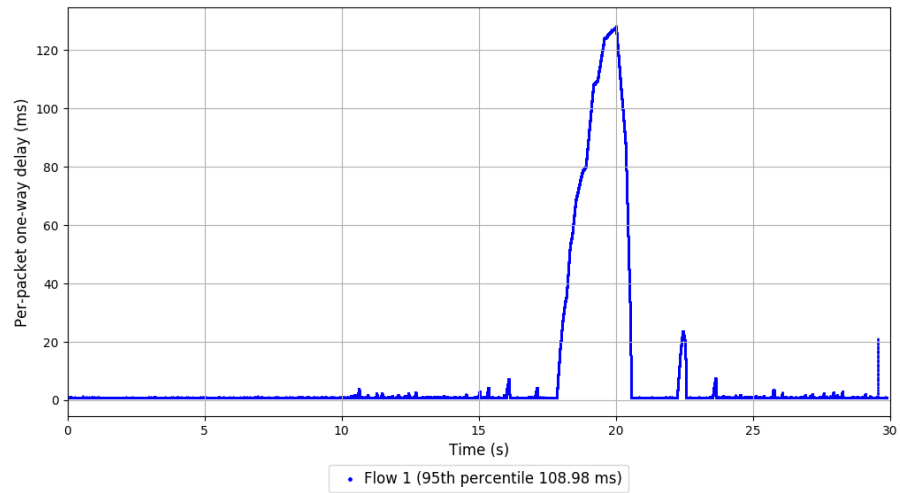
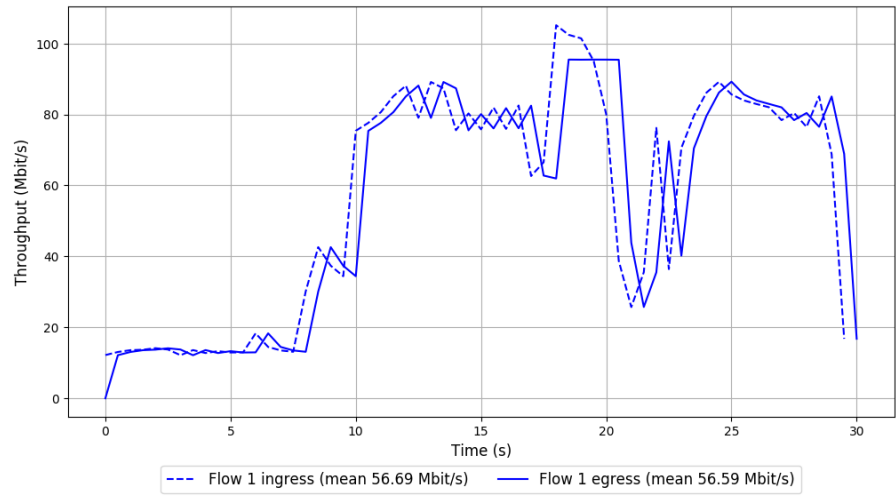
-- Flow 1:

Average throughput: 56.59 Mbit/s

95th percentile per-packet one-way delay: 108.979 ms

Loss rate: 0.19%

Run 2: Report of PCC-Expr — Data Link



Run 3: Statistics of PCC-Expr

Start at: 2019-02-05 13:48:41

End at: 2019-02-05 13:49:11

Local clock offset: -6.379 ms

Remote clock offset: 0.225 ms

Below is generated by plot.py at 2019-02-05 15:00:42

Datalink statistics

-- Total of 1 flow:

Average throughput: 5.89 Mbit/s

95th percentile per-packet one-way delay: 0.825 ms

Loss rate: 0.01%

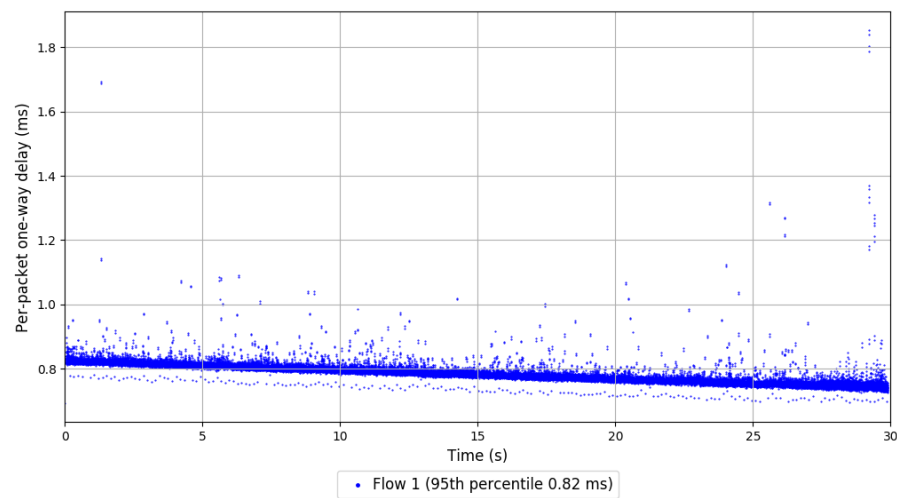
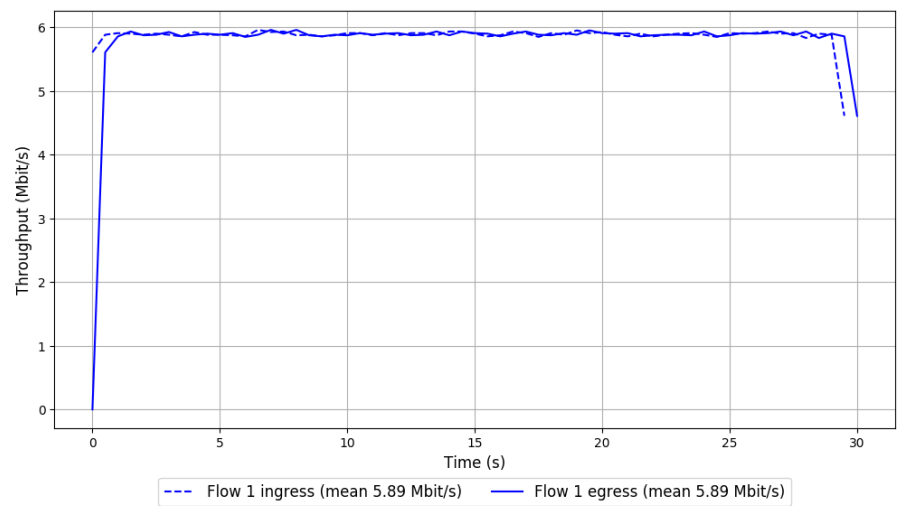
-- Flow 1:

Average throughput: 5.89 Mbit/s

95th percentile per-packet one-way delay: 0.825 ms

Loss rate: 0.01%

Run 3: Report of PCC-Expr — Data Link



Run 4: Statistics of PCC-Expr

Start at: 2019-02-05 14:12:13

End at: 2019-02-05 14:12:43

Local clock offset: -5.278 ms

Remote clock offset: 0.416 ms

Below is generated by plot.py at 2019-02-05 15:00:42

Datalink statistics

-- Total of 1 flow:

Average throughput: 35.47 Mbit/s

95th percentile per-packet one-way delay: 1.971 ms

Loss rate: 0.01%

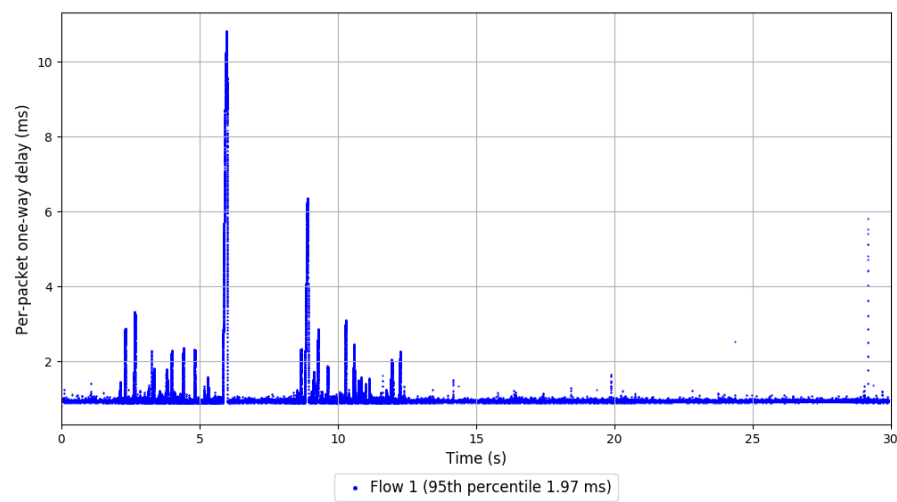
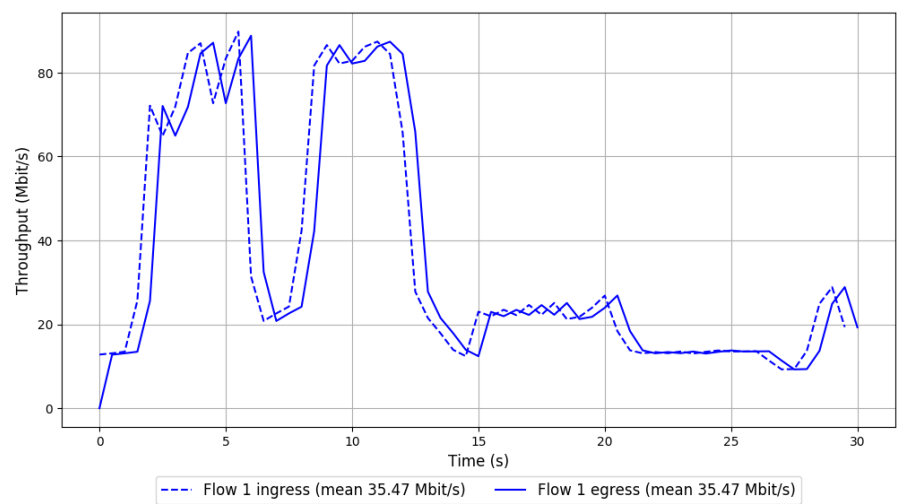
-- Flow 1:

Average throughput: 35.47 Mbit/s

95th percentile per-packet one-way delay: 1.971 ms

Loss rate: 0.01%

Run 4: Report of PCC-Expr — Data Link



Run 5: Statistics of PCC-Expr

Start at: 2019-02-05 14:35:49

End at: 2019-02-05 14:36:19

Local clock offset: -4.292 ms

Remote clock offset: 0.32 ms

Below is generated by plot.py at 2019-02-05 15:00:42

Datalink statistics

-- Total of 1 flow:

Average throughput: 30.44 Mbit/s

95th percentile per-packet one-way delay: 1.637 ms

Loss rate: 0.04%

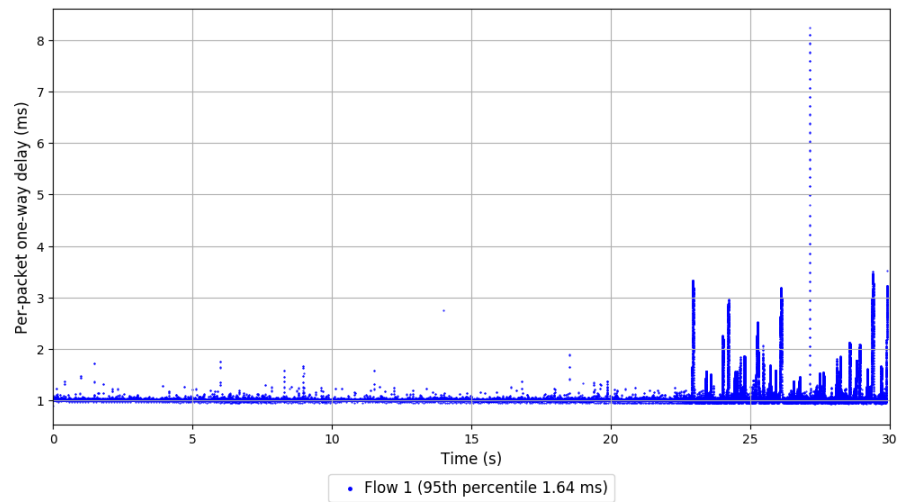
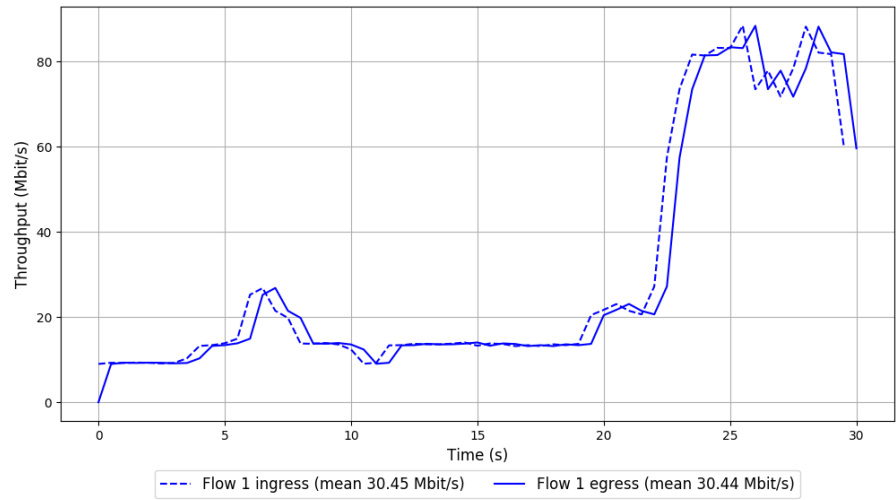
-- Flow 1:

Average throughput: 30.44 Mbit/s

95th percentile per-packet one-way delay: 1.637 ms

Loss rate: 0.04%

Run 5: Report of PCC-Expr — Data Link



Run 1: Statistics of QUIC Cubic

Start at: 2019-02-05 12:59:14

End at: 2019-02-05 12:59:44

Local clock offset: -4.384 ms

Remote clock offset: -0.673 ms

Below is generated by plot.py at 2019-02-05 15:00:50

Datalink statistics

-- Total of 1 flow:

Average throughput: 90.39 Mbit/s

95th percentile per-packet one-way delay: 8.699 ms

Loss rate: 0.01%

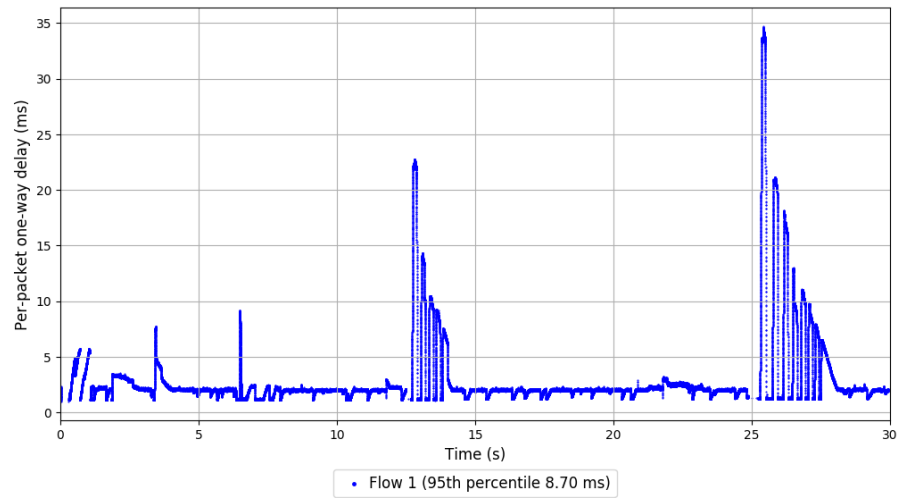
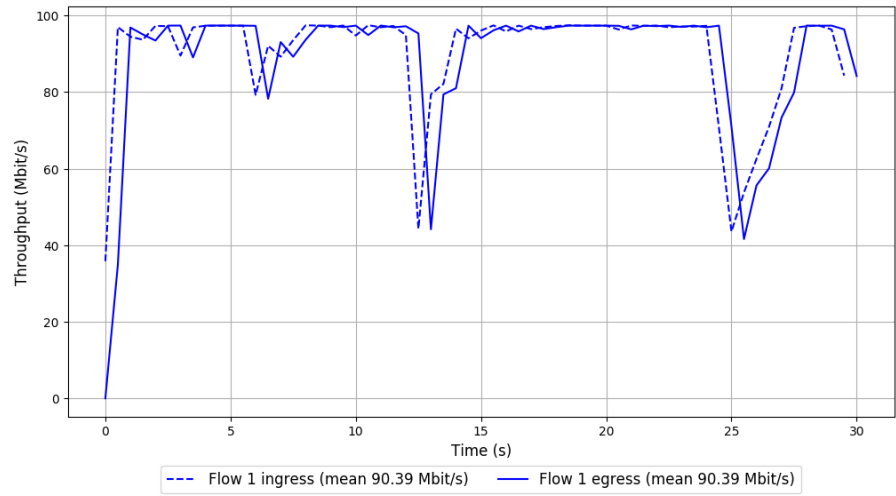
-- Flow 1:

Average throughput: 90.39 Mbit/s

95th percentile per-packet one-way delay: 8.699 ms

Loss rate: 0.01%

Run 1: Report of QUIC Cubic — Data Link



Run 2: Statistics of QUIC Cubic

Start at: 2019-02-05 13:22:48

End at: 2019-02-05 13:23:18

Local clock offset: -6.728 ms

Remote clock offset: -0.273 ms

Below is generated by plot.py at 2019-02-05 15:00:54

Datalink statistics

-- Total of 1 flow:

Average throughput: 89.42 Mbit/s

95th percentile per-packet one-way delay: 8.777 ms

Loss rate: 0.01%

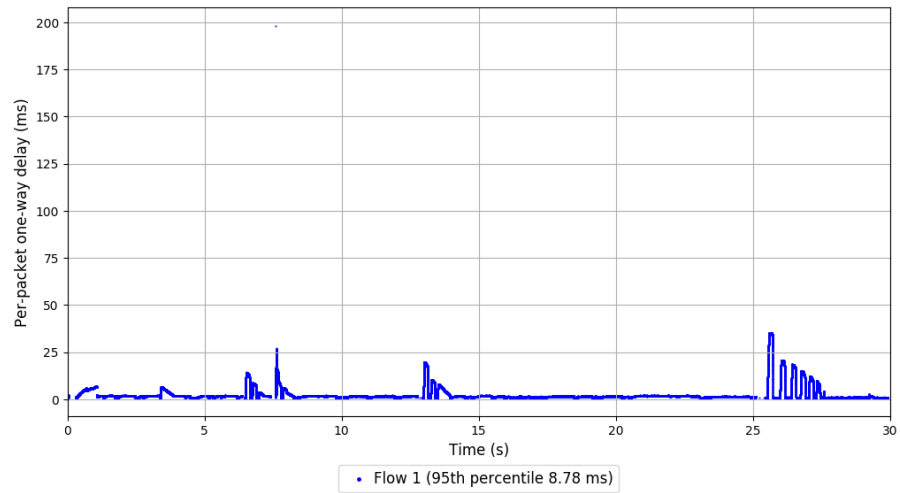
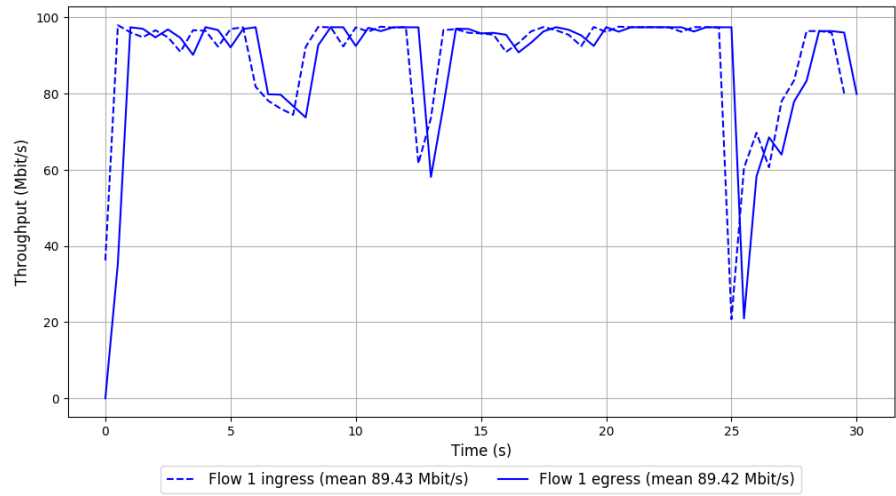
-- Flow 1:

Average throughput: 89.42 Mbit/s

95th percentile per-packet one-way delay: 8.777 ms

Loss rate: 0.01%

Run 2: Report of QUIC Cubic — Data Link



Run 3: Statistics of QUIC Cubic

Start at: 2019-02-05 13:46:26

End at: 2019-02-05 13:46:56

Local clock offset: -6.92 ms

Remote clock offset: 0.054 ms

Below is generated by plot.py at 2019-02-05 15:01:19

Datalink statistics

-- Total of 1 flow:

Average throughput: 90.31 Mbit/s

95th percentile per-packet one-way delay: 8.268 ms

Loss rate: 0.01%

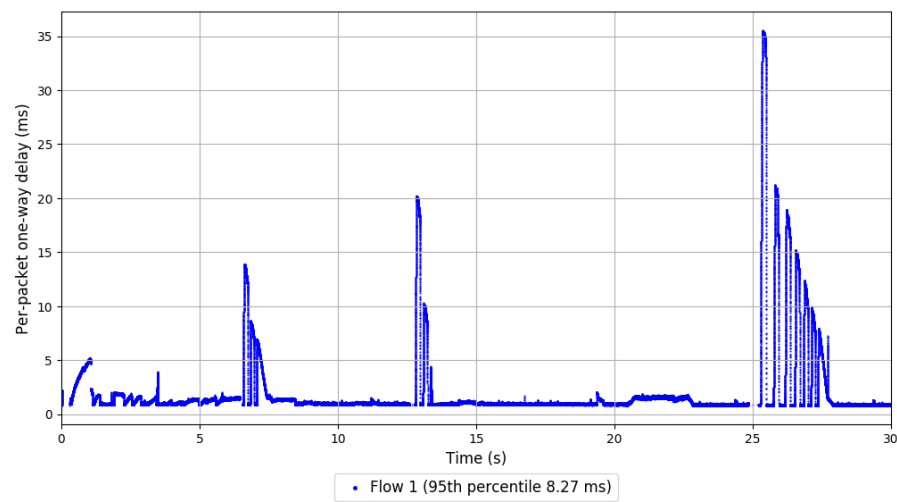
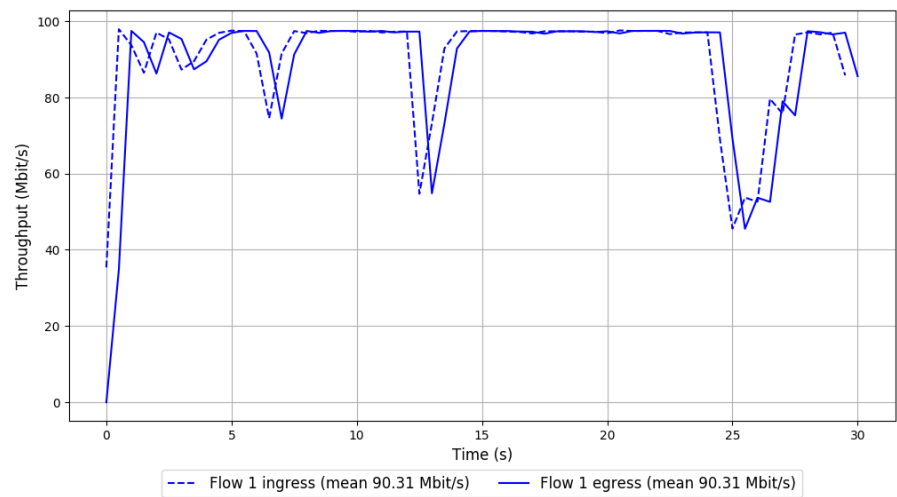
-- Flow 1:

Average throughput: 90.31 Mbit/s

95th percentile per-packet one-way delay: 8.268 ms

Loss rate: 0.01%

Run 3: Report of QUIC Cubic — Data Link



Run 4: Statistics of QUIC Cubic

Start at: 2019-02-05 14:09:57

End at: 2019-02-05 14:10:27

Local clock offset: -5.201 ms

Remote clock offset: 0.484 ms

Below is generated by plot.py at 2019-02-05 15:01:23

Datalink statistics

-- Total of 1 flow:

Average throughput: 88.94 Mbit/s

95th percentile per-packet one-way delay: 7.919 ms

Loss rate: 0.01%

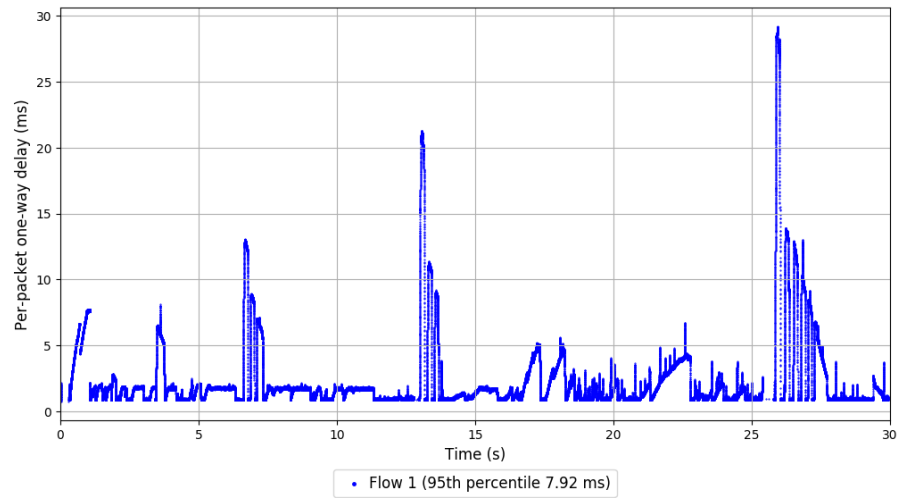
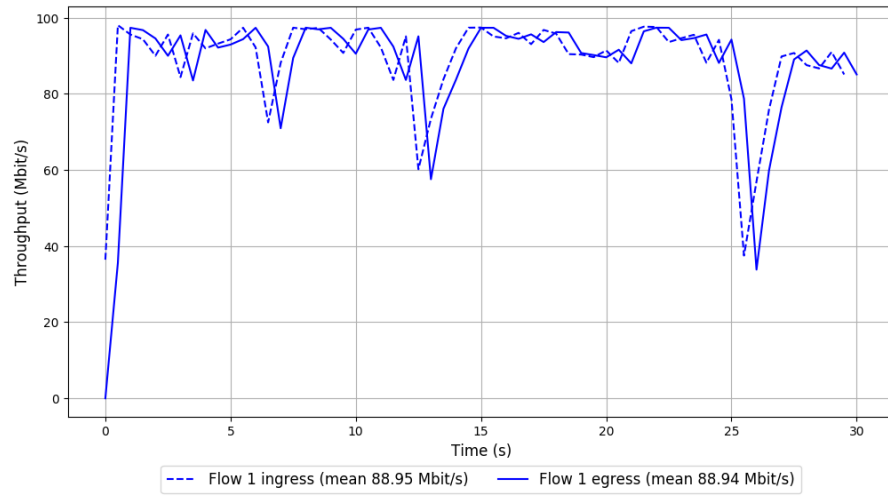
-- Flow 1:

Average throughput: 88.94 Mbit/s

95th percentile per-packet one-way delay: 7.919 ms

Loss rate: 0.01%

Run 4: Report of QUIC Cubic — Data Link



Run 5: Statistics of QUIC Cubic

Start at: 2019-02-05 14:33:33

End at: 2019-02-05 14:34:03

Local clock offset: -4.297 ms

Remote clock offset: 0.399 ms

Below is generated by plot.py at 2019-02-05 15:01:30

Datalink statistics

-- Total of 1 flow:

Average throughput: 90.94 Mbit/s

95th percentile per-packet one-way delay: 7.828 ms

Loss rate: 0.01%

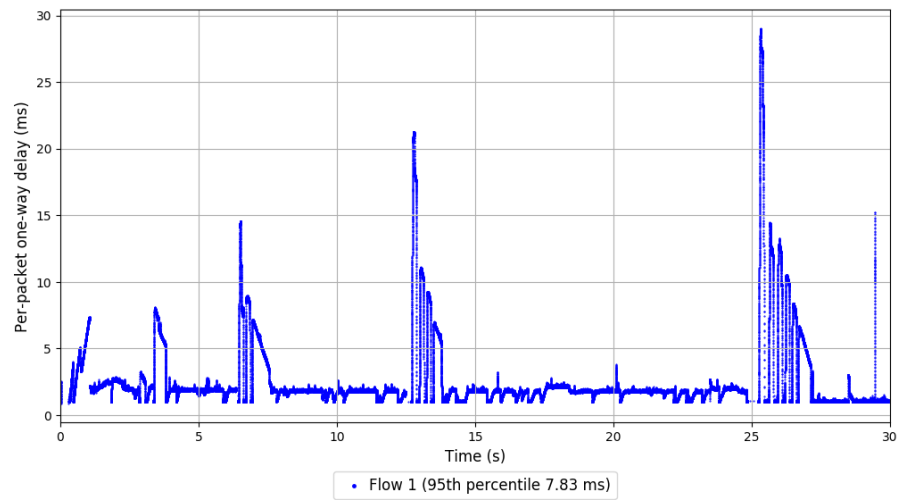
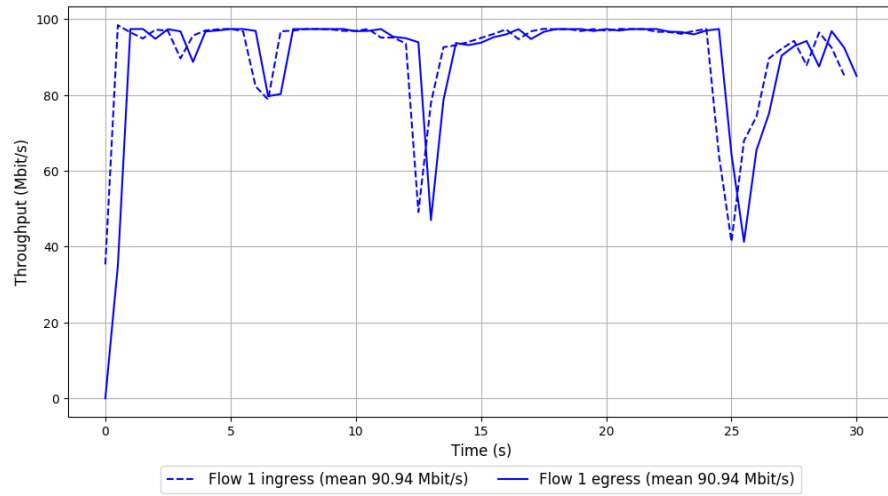
-- Flow 1:

Average throughput: 90.94 Mbit/s

95th percentile per-packet one-way delay: 7.828 ms

Loss rate: 0.01%

Run 5: Report of QUIC Cubic — Data Link

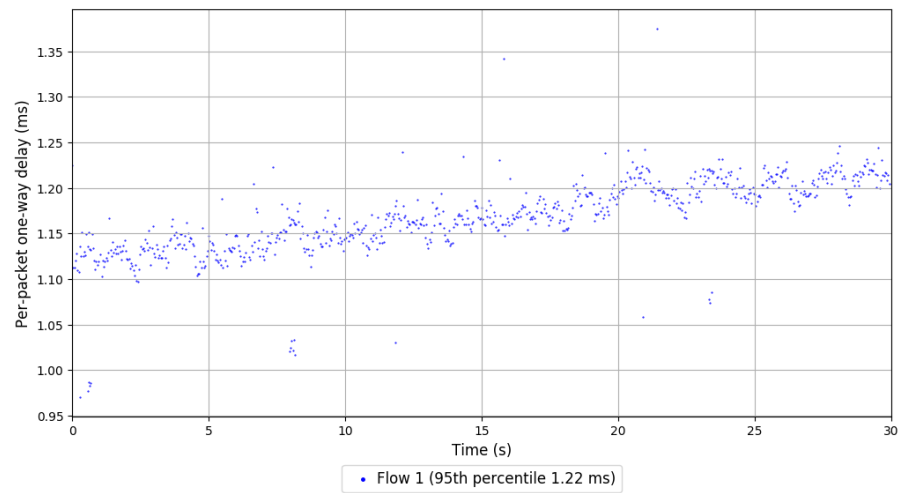
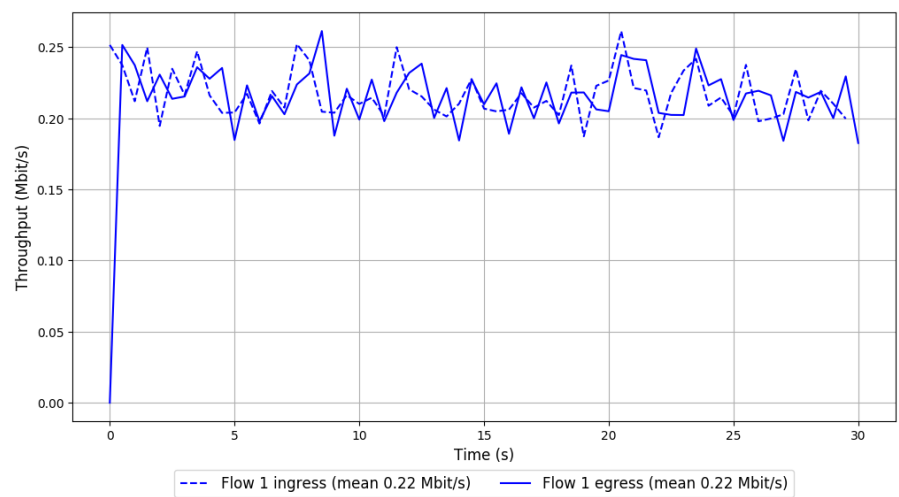


Run 1: Statistics of SCReAM

Start at: 2019-02-05 13:07:04
End at: 2019-02-05 13:07:34
Local clock offset: -6.351 ms
Remote clock offset: -0.631 ms

Below is generated by plot.py at 2019-02-05 15:01:30
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 1.221 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 1.221 ms
Loss rate: 0.13%

Run 1: Report of SReAM — Data Link

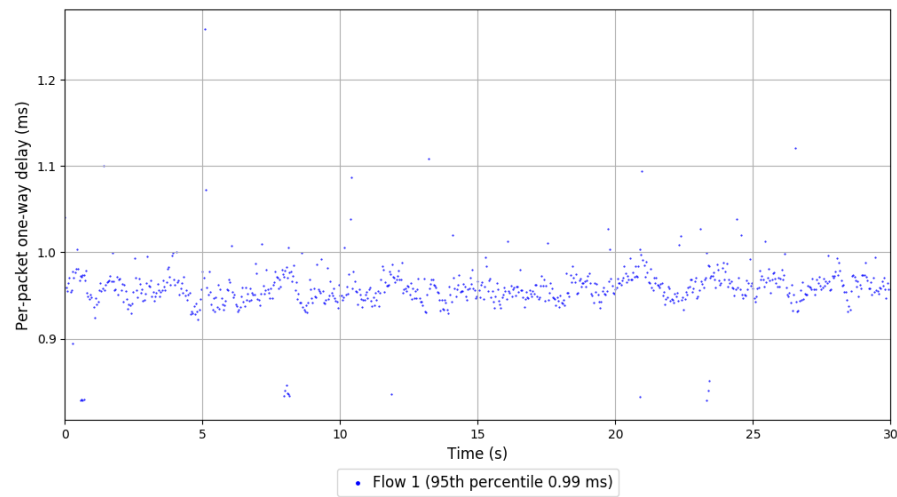
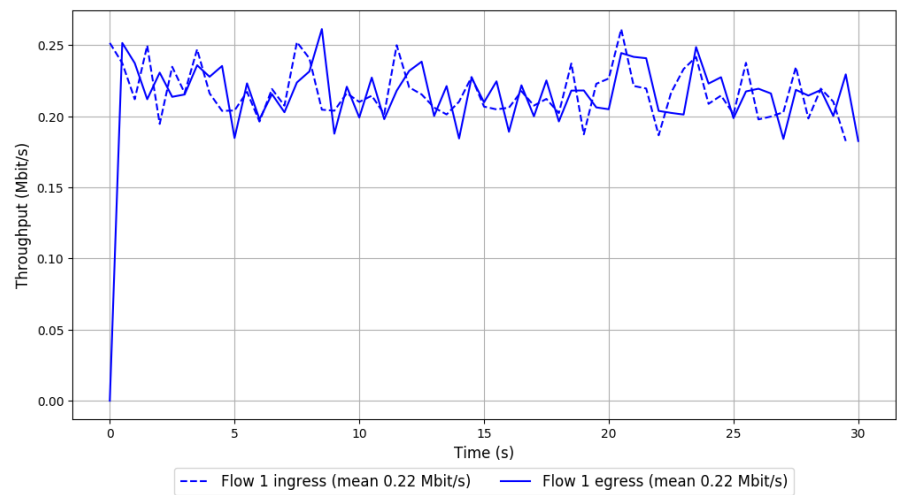


Run 2: Statistics of SCReAM

Start at: 2019-02-05 13:30:42
End at: 2019-02-05 13:31:12
Local clock offset: -6.475 ms
Remote clock offset: -0.082 ms

Below is generated by plot.py at 2019-02-05 15:01:30
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 0.993 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 0.993 ms
Loss rate: 0.00%

Run 2: Report of SReAM — Data Link



Run 3: Statistics of SCReAM

Start at: 2019-02-05 13:54:16

End at: 2019-02-05 13:54:46

Local clock offset: -5.599 ms

Remote clock offset: 0.246 ms

Below is generated by plot.py at 2019-02-05 15:01:30

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 0.924 ms

Loss rate: 0.00%

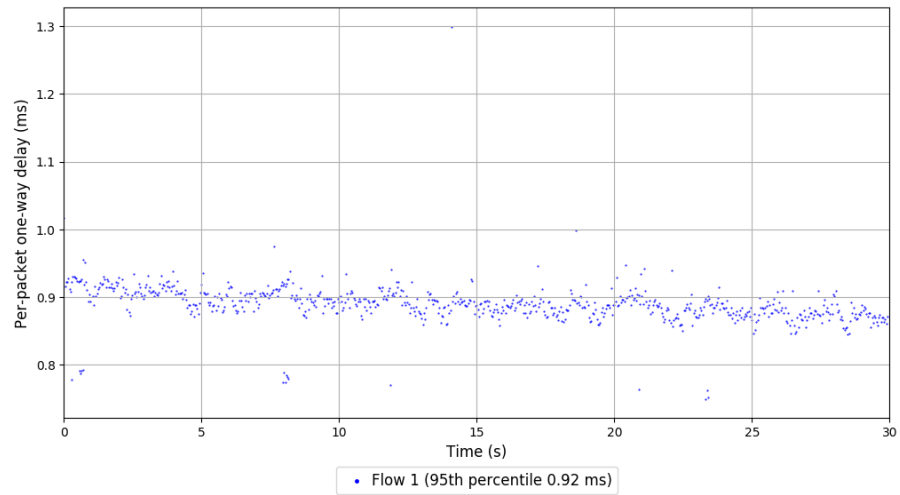
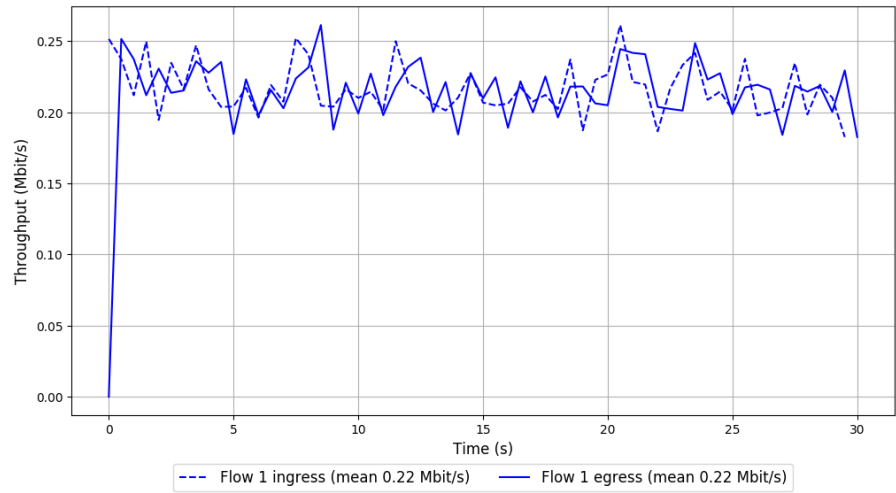
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 0.924 ms

Loss rate: 0.00%

Run 3: Report of SReAM — Data Link



Run 4: Statistics of SCReAM

Start at: 2019-02-05 14:17:50

End at: 2019-02-05 14:18:20

Local clock offset: -5.052 ms

Remote clock offset: 0.395 ms

Below is generated by plot.py at 2019-02-05 15:01:30

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 1.026 ms

Loss rate: 0.00%

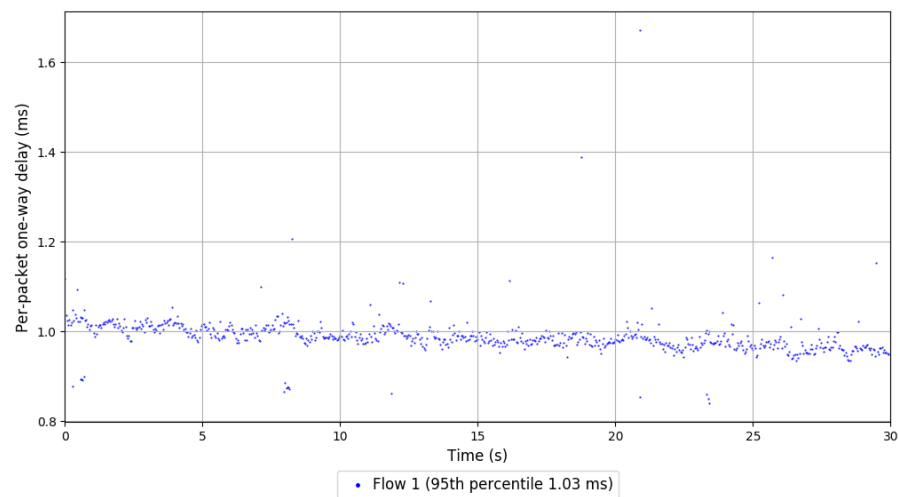
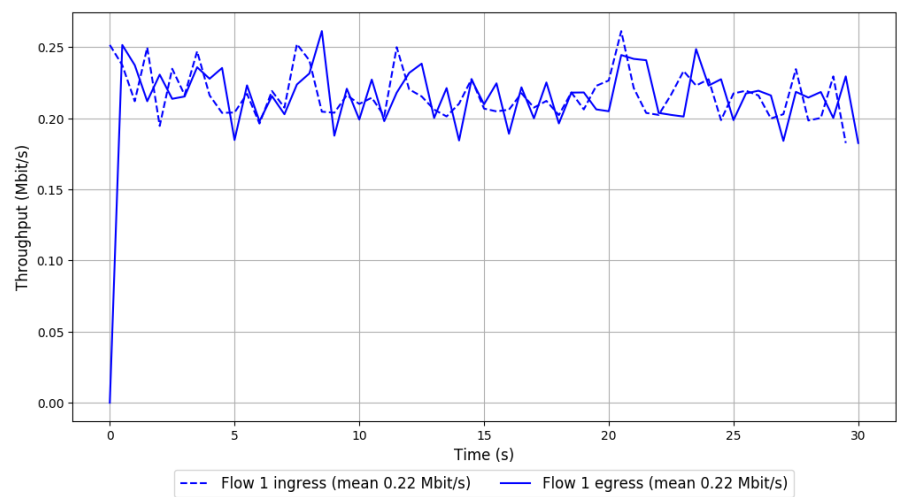
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 1.026 ms

Loss rate: 0.00%

Run 4: Report of SReAM — Data Link



Run 5: Statistics of SCReAM

Start at: 2019-02-05 14:41:25

End at: 2019-02-05 14:41:55

Local clock offset: -4.246 ms

Remote clock offset: 0.283 ms

Below is generated by plot.py at 2019-02-05 15:01:30

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 0.955 ms

Loss rate: 0.00%

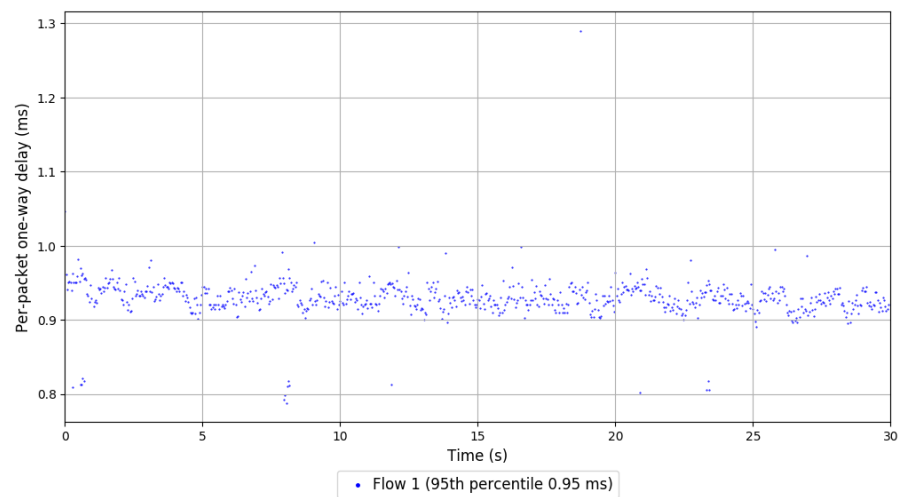
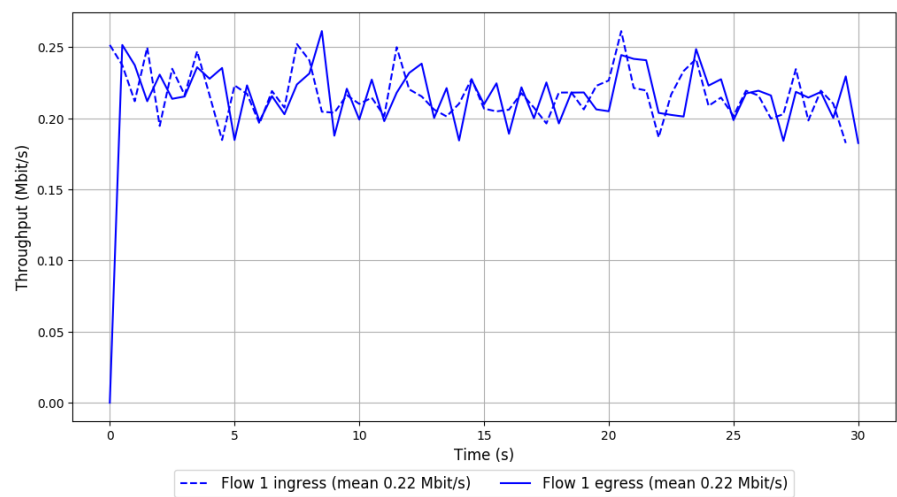
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 0.955 ms

Loss rate: 0.00%

Run 5: Report of SReAM — Data Link

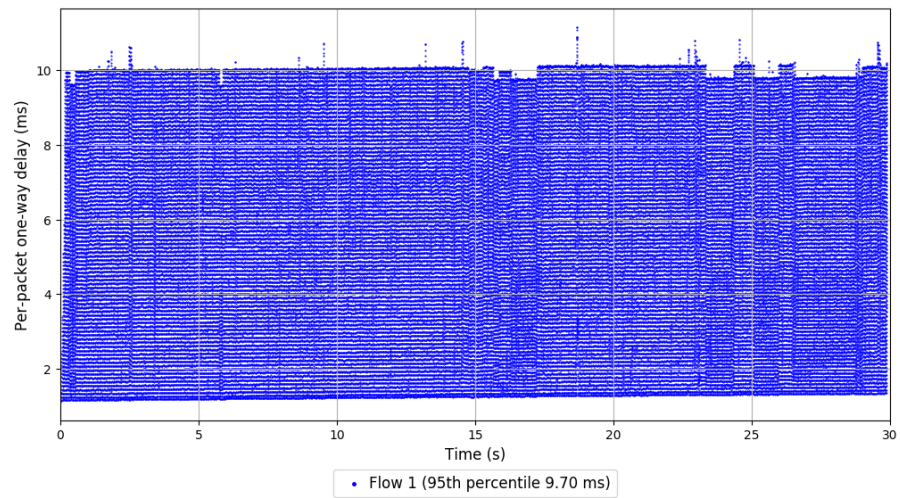
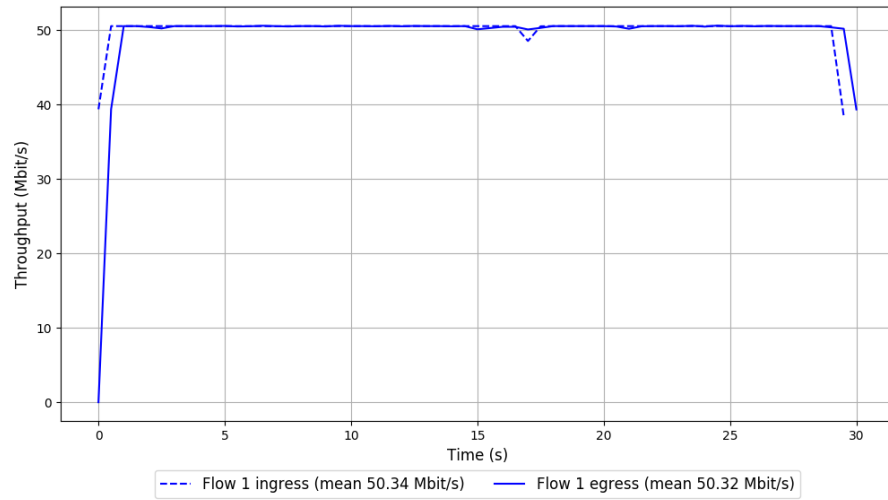


Run 1: Statistics of Sprout

Start at: 2019-02-05 12:57:01
End at: 2019-02-05 12:57:31
Local clock offset: -3.516 ms
Remote clock offset: -0.647 ms

Below is generated by plot.py at 2019-02-05 15:01:30
Datalink statistics
-- Total of 1 flow:
Average throughput: 50.32 Mbit/s
95th percentile per-packet one-way delay: 9.695 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 50.32 Mbit/s
95th percentile per-packet one-way delay: 9.695 ms
Loss rate: 0.00%

Run 1: Report of Sprout — Data Link

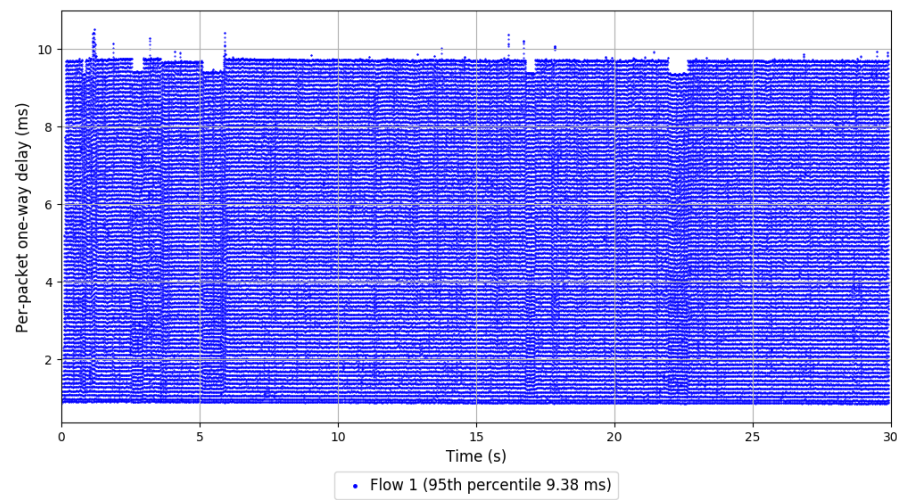
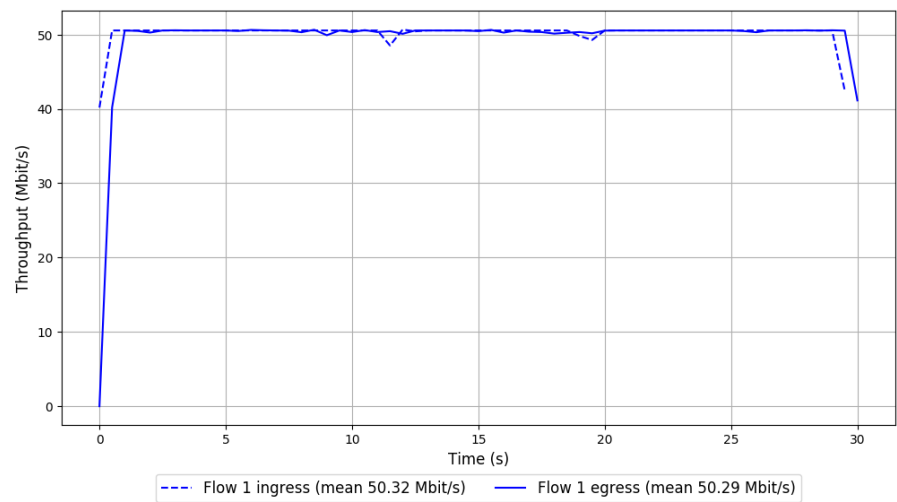


Run 2: Statistics of Sprout

Start at: 2019-02-05 13:20:35
End at: 2019-02-05 13:21:05
Local clock offset: -6.969 ms
Remote clock offset: -0.252 ms

Below is generated by plot.py at 2019-02-05 15:01:30
Datalink statistics
-- Total of 1 flow:
Average throughput: 50.29 Mbit/s
95th percentile per-packet one-way delay: 9.377 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 50.29 Mbit/s
95th percentile per-packet one-way delay: 9.377 ms
Loss rate: 0.05%

Run 2: Report of Sprout — Data Link

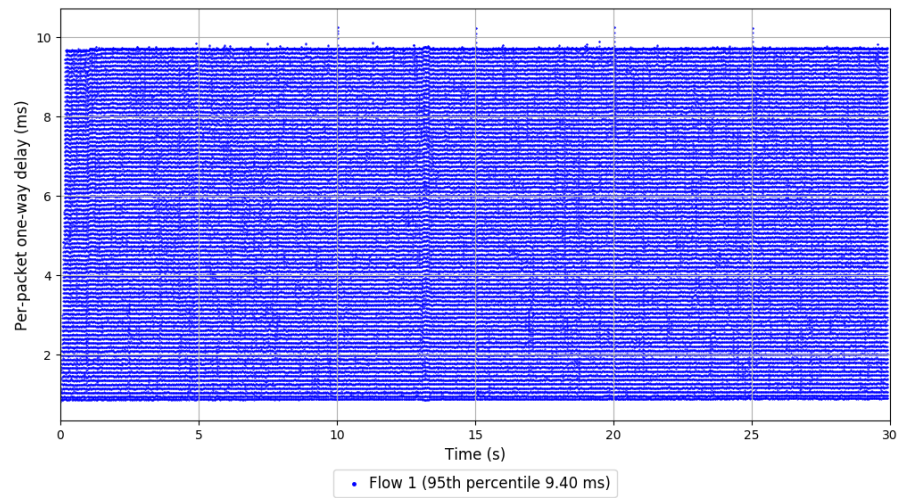
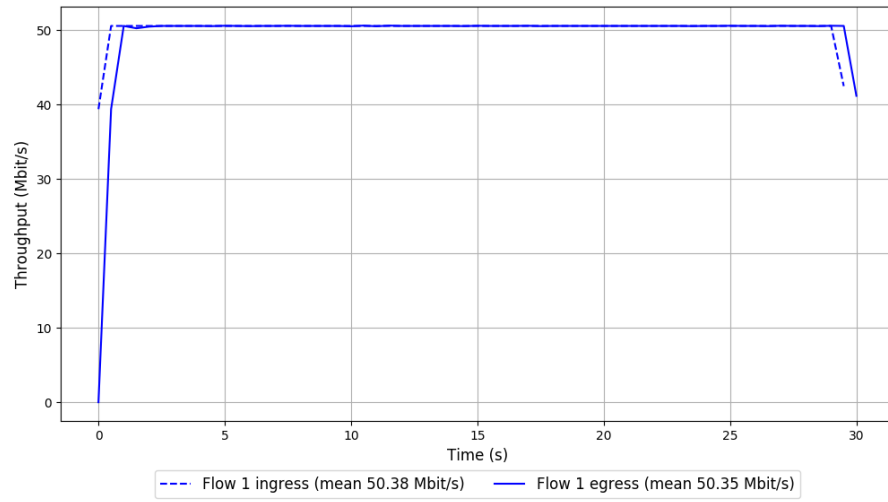


Run 3: Statistics of Sprout

Start at: 2019-02-05 13:44:12
End at: 2019-02-05 13:44:42
Local clock offset: -6.958 ms
Remote clock offset: 0.189 ms

Below is generated by plot.py at 2019-02-05 15:01:30
Datalink statistics
-- Total of 1 flow:
Average throughput: 50.35 Mbit/s
95th percentile per-packet one-way delay: 9.402 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 50.35 Mbit/s
95th percentile per-packet one-way delay: 9.402 ms
Loss rate: 0.06%

Run 3: Report of Sprout — Data Link



Run 4: Statistics of Sprout

Start at: 2019-02-05 14:07:44

End at: 2019-02-05 14:08:14

Local clock offset: -5.164 ms

Remote clock offset: 0.441 ms

Below is generated by plot.py at 2019-02-05 15:01:30

Datalink statistics

-- Total of 1 flow:

Average throughput: 50.30 Mbit/s

95th percentile per-packet one-way delay: 9.363 ms

Loss rate: 0.00%

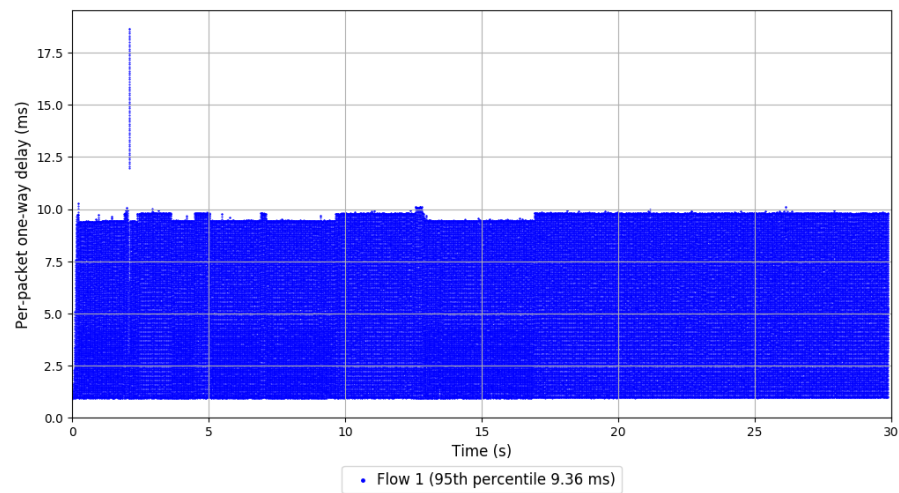
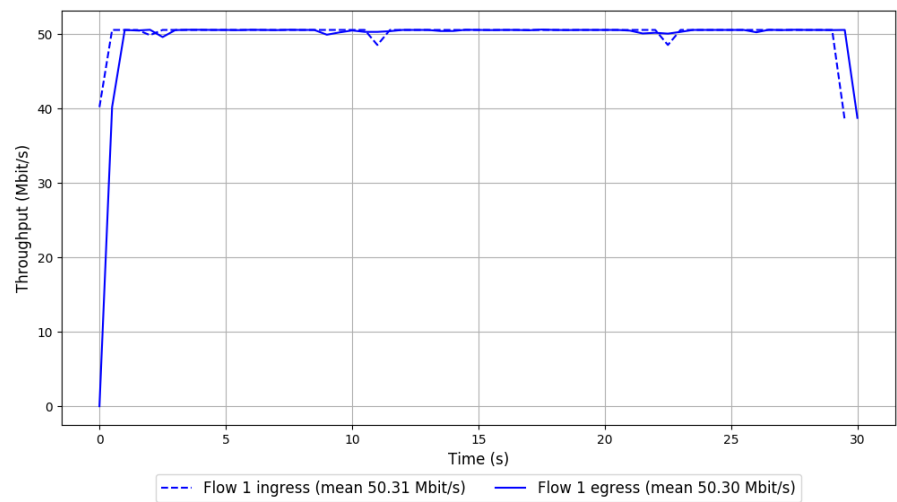
-- Flow 1:

Average throughput: 50.30 Mbit/s

95th percentile per-packet one-way delay: 9.363 ms

Loss rate: 0.00%

Run 4: Report of Sprout — Data Link



Run 5: Statistics of Sprout

Start at: 2019-02-05 14:31:20

End at: 2019-02-05 14:31:50

Local clock offset: -4.344 ms

Remote clock offset: 0.51 ms

Below is generated by plot.py at 2019-02-05 15:01:33

Datalink statistics

-- Total of 1 flow:

Average throughput: 50.33 Mbit/s

95th percentile per-packet one-way delay: 9.320 ms

Loss rate: 0.00%

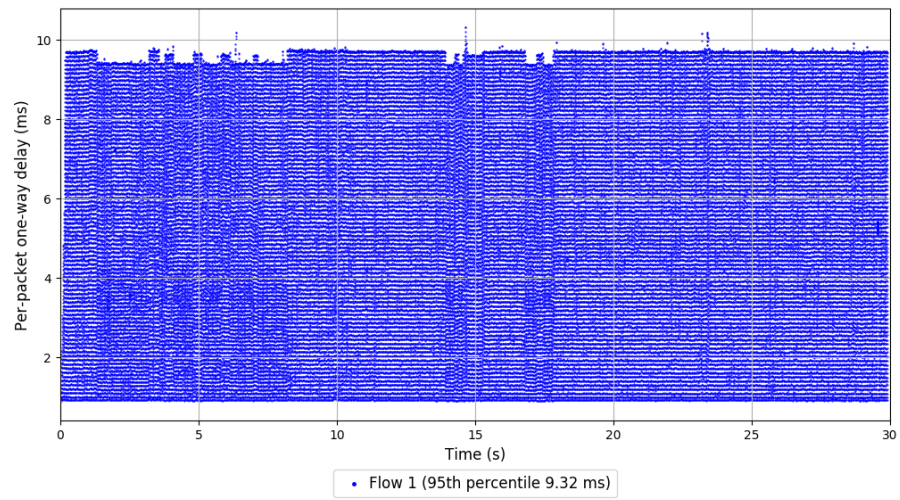
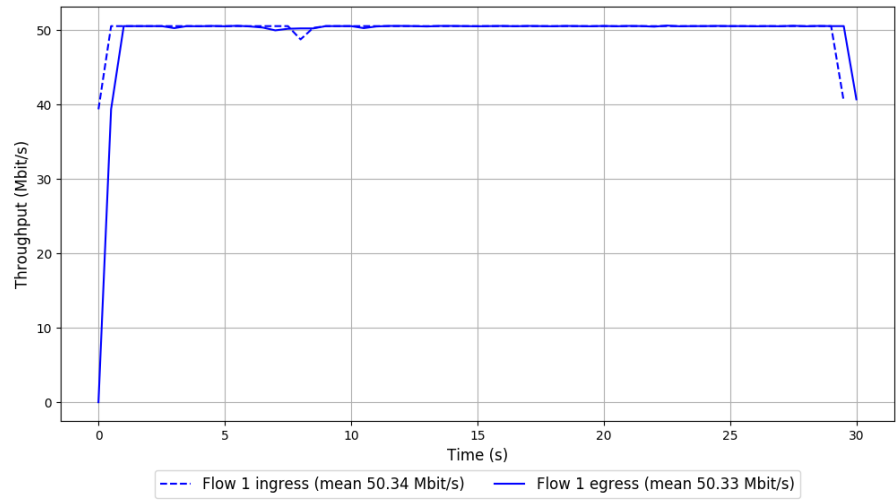
-- Flow 1:

Average throughput: 50.33 Mbit/s

95th percentile per-packet one-way delay: 9.320 ms

Loss rate: 0.00%

Run 5: Report of Sprout — Data Link



Run 1: Statistics of TaoVA-100x

Start at: 2019-02-05 12:55:50

End at: 2019-02-05 12:56:20

Local clock offset: -2.97 ms

Remote clock offset: -0.598 ms

Below is generated by plot.py at 2019-02-05 15:02:56

Datalink statistics

-- Total of 1 flow:

Average throughput: 86.24 Mbit/s

95th percentile per-packet one-way delay: 1.341 ms

Loss rate: 0.01%

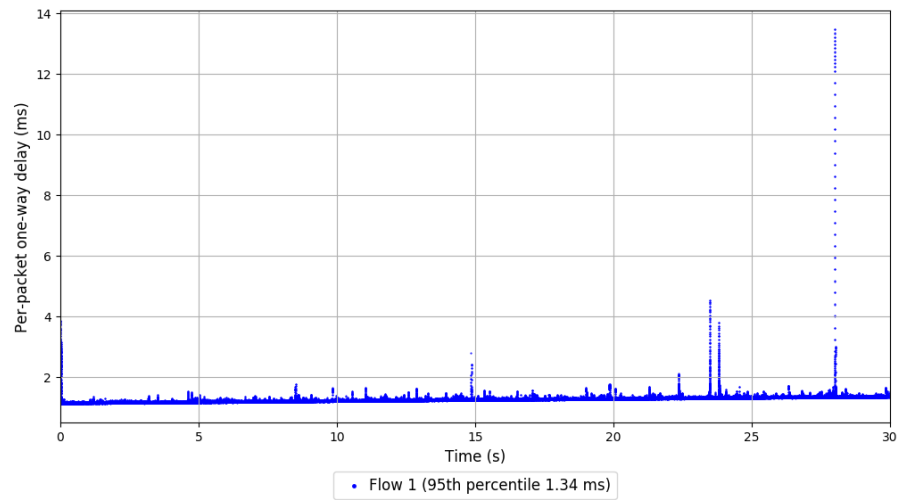
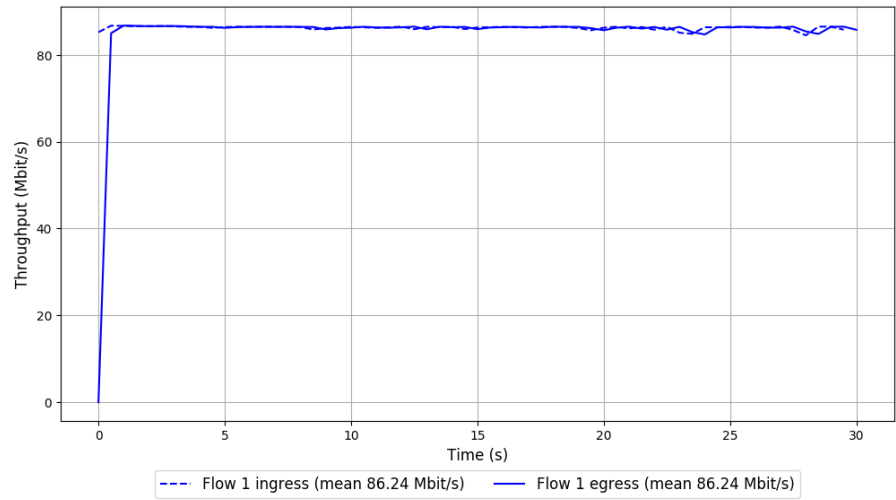
-- Flow 1:

Average throughput: 86.24 Mbit/s

95th percentile per-packet one-way delay: 1.341 ms

Loss rate: 0.01%

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



Run 2: Statistics of TaoVA-100x

Start at: 2019-02-05 13:19:24

End at: 2019-02-05 13:19:54

Local clock offset: -7.209 ms

Remote clock offset: -0.272 ms

Below is generated by plot.py at 2019-02-05 15:02:56

Datalink statistics

-- Total of 1 flow:

Average throughput: 86.41 Mbit/s

95th percentile per-packet one-way delay: 0.802 ms

Loss rate: 0.01%

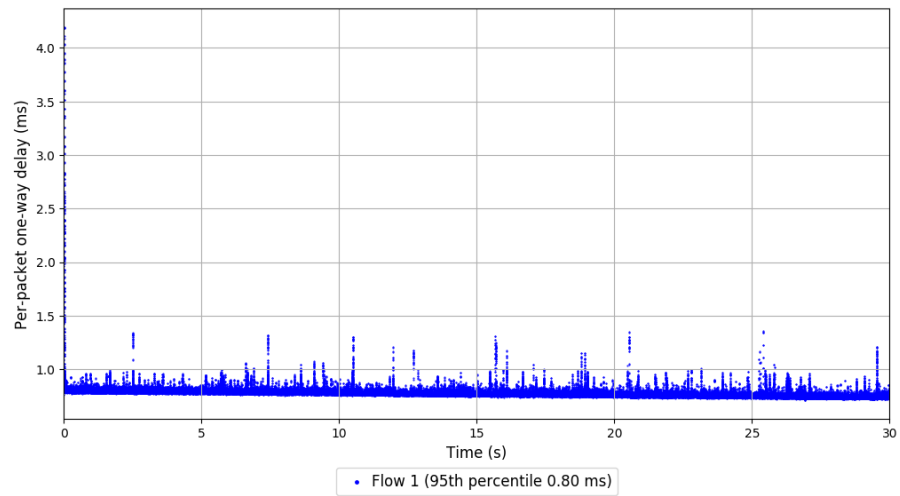
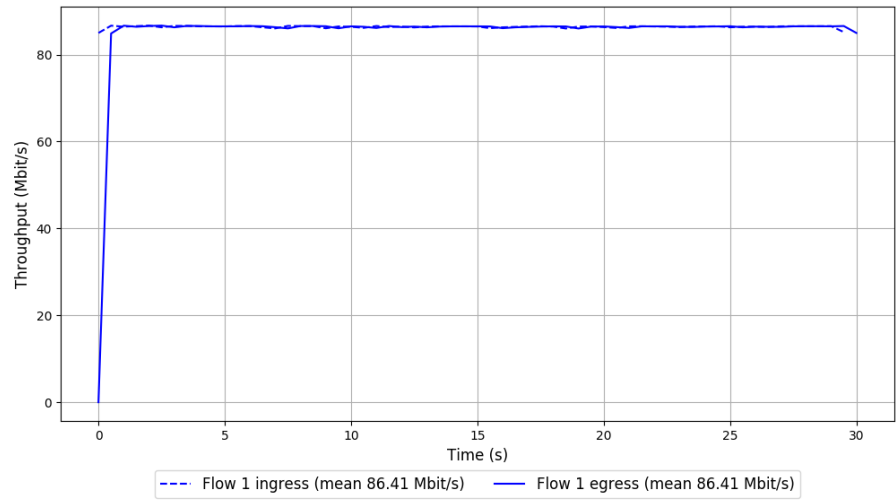
-- Flow 1:

Average throughput: 86.41 Mbit/s

95th percentile per-packet one-way delay: 0.802 ms

Loss rate: 0.01%

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



Run 3: Statistics of TaoVA-100x

Start at: 2019-02-05 13:43:02

End at: 2019-02-05 13:43:32

Local clock offset: -6.838 ms

Remote clock offset: 0.059 ms

Below is generated by plot.py at 2019-02-05 15:03:11

Datalink statistics

-- Total of 1 flow:

Average throughput: 86.04 Mbit/s

95th percentile per-packet one-way delay: 1.083 ms

Loss rate: 0.01%

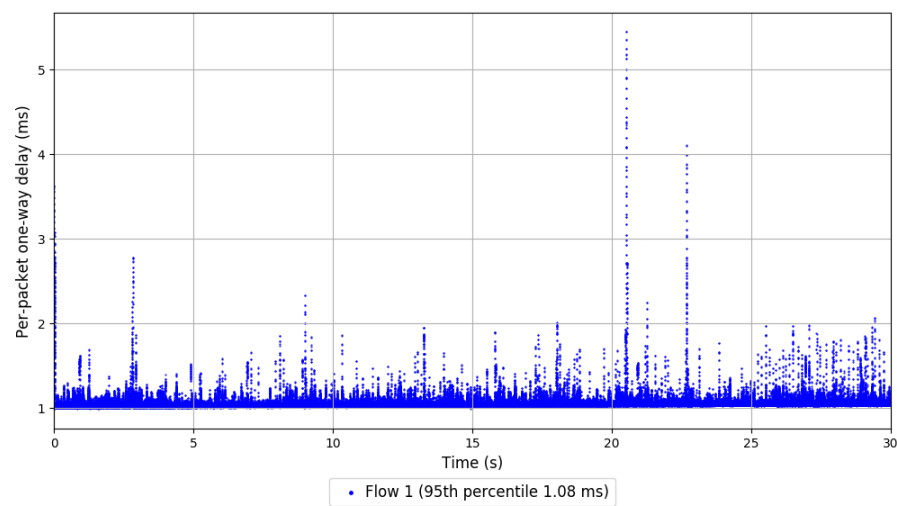
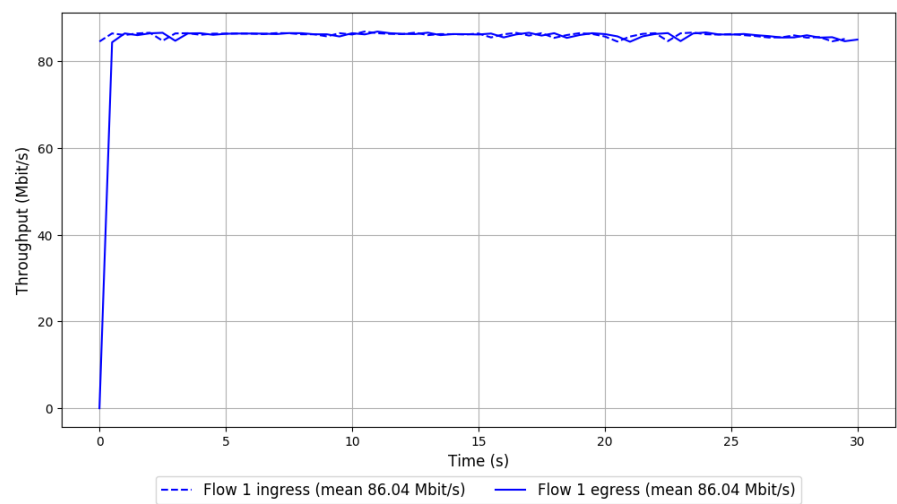
-- Flow 1:

Average throughput: 86.04 Mbit/s

95th percentile per-packet one-way delay: 1.083 ms

Loss rate: 0.01%

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



Run 4: Statistics of TaoVA-100x

Start at: 2019-02-05 14:06:33

End at: 2019-02-05 14:07:03

Local clock offset: -5.17 ms

Remote clock offset: 0.363 ms

Below is generated by plot.py at 2019-02-05 15:03:13

Datalink statistics

-- Total of 1 flow:

Average throughput: 86.18 Mbit/s

95th percentile per-packet one-way delay: 1.015 ms

Loss rate: 0.01%

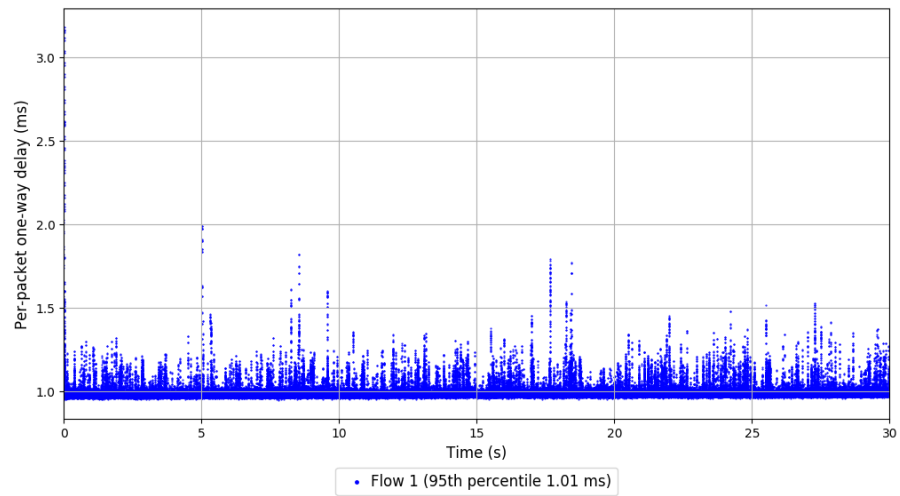
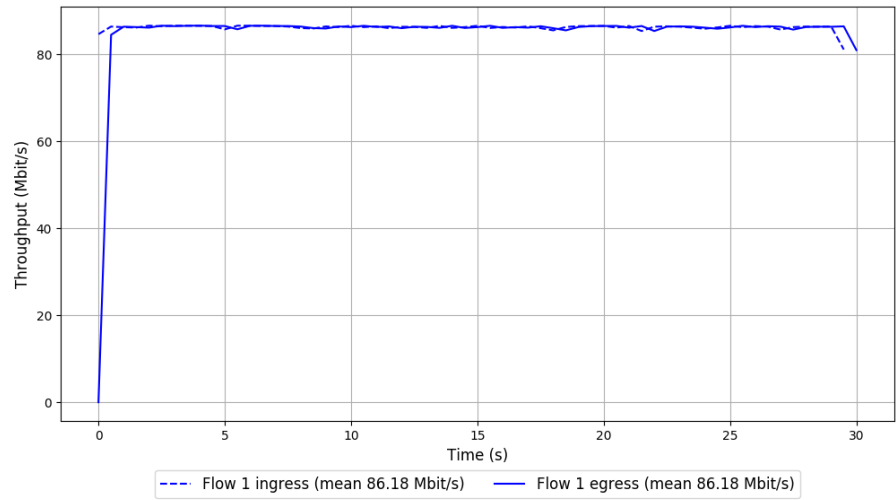
-- Flow 1:

Average throughput: 86.18 Mbit/s

95th percentile per-packet one-way delay: 1.015 ms

Loss rate: 0.01%

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



Run 5: Statistics of TaoVA-100x

Start at: 2019-02-05 14:30:09

End at: 2019-02-05 14:30:39

Local clock offset: -4.369 ms

Remote clock offset: 0.48 ms

Below is generated by plot.py at 2019-02-05 15:03:15

Datalink statistics

-- Total of 1 flow:

Average throughput: 86.27 Mbit/s

95th percentile per-packet one-way delay: 0.949 ms

Loss rate: 0.01%

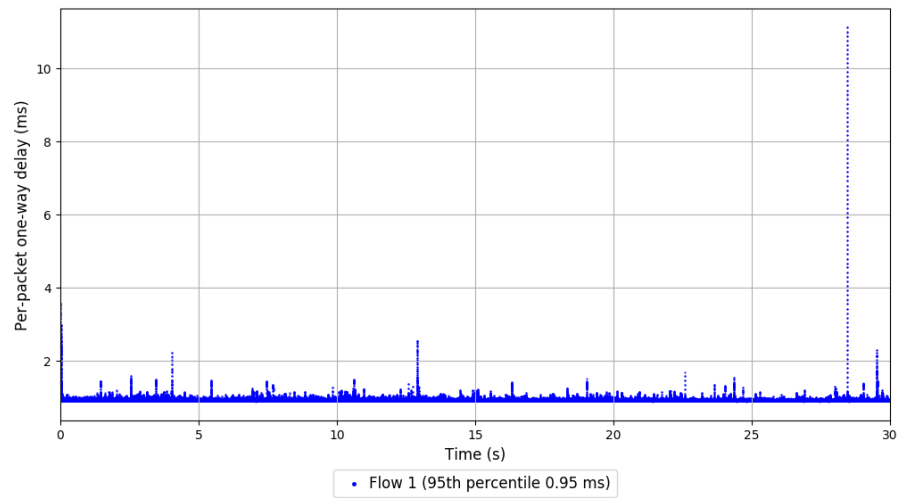
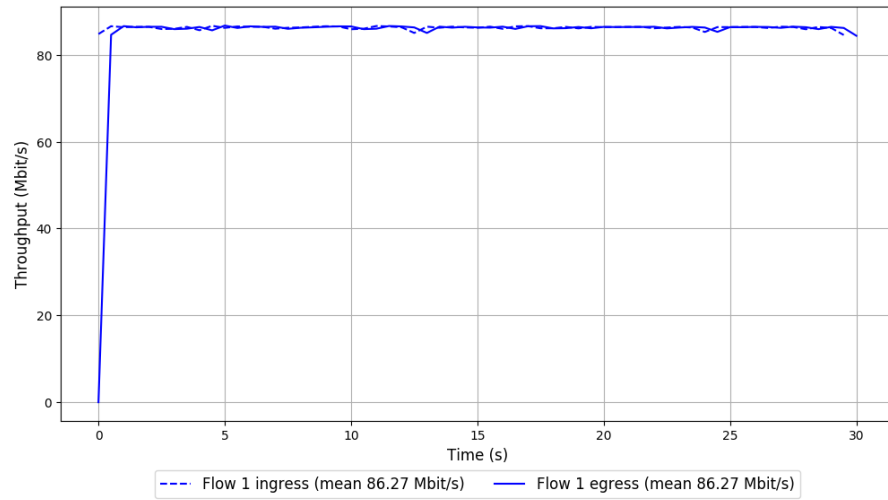
-- Flow 1:

Average throughput: 86.27 Mbit/s

95th percentile per-packet one-way delay: 0.949 ms

Loss rate: 0.01%

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

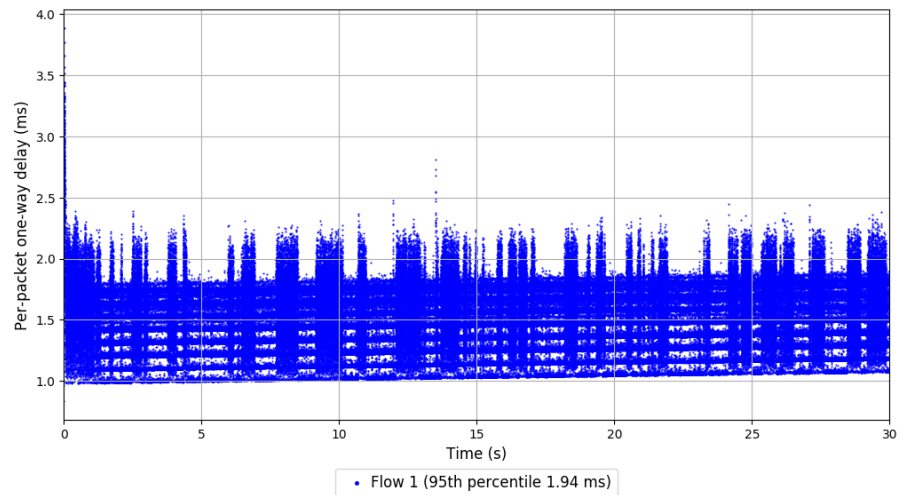
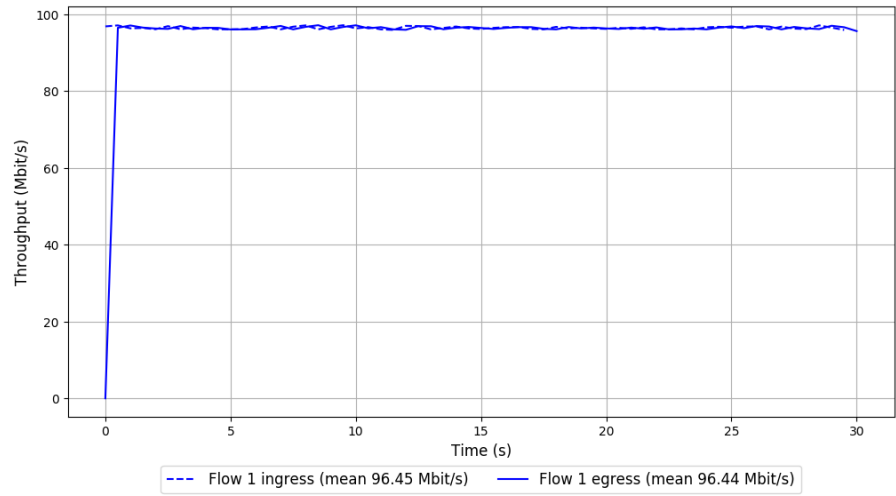


Run 1: Statistics of TCP Vegas

Start at: 2019-02-05 13:10:20
End at: 2019-02-05 13:10:50
Local clock offset: -6.943 ms
Remote clock offset: -0.428 ms

Below is generated by plot.py at 2019-02-05 15:03:15
Datalink statistics
-- Total of 1 flow:
Average throughput: 96.44 Mbit/s
95th percentile per-packet one-way delay: 1.943 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 96.44 Mbit/s
95th percentile per-packet one-way delay: 1.943 ms
Loss rate: 0.01%

Run 1: Report of TCP Vegas — Data Link

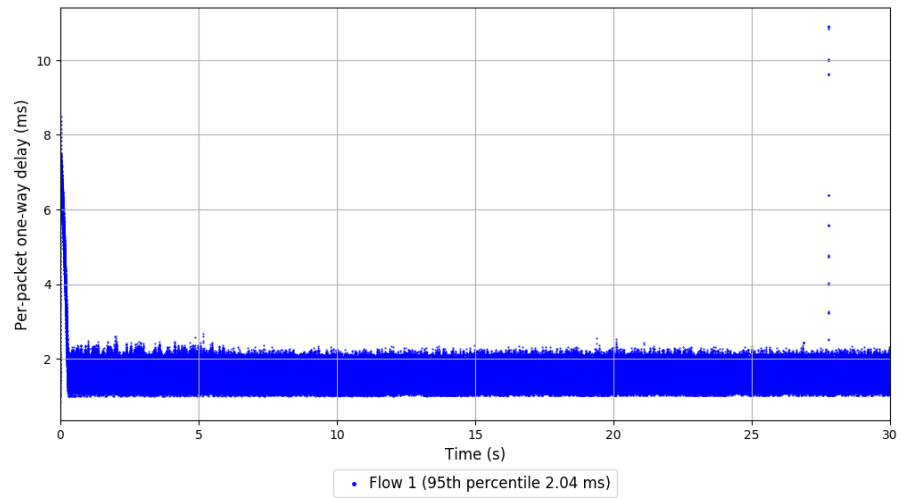
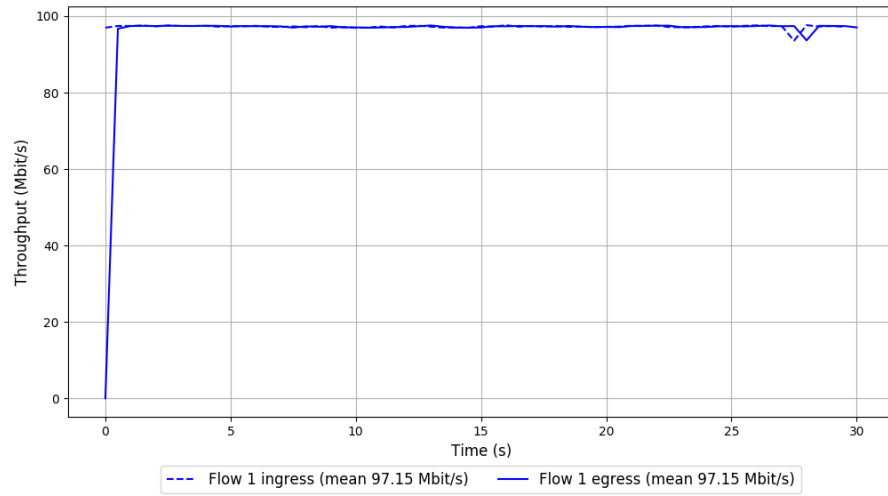


Run 2: Statistics of TCP Vegas

Start at: 2019-02-05 13:33:58
End at: 2019-02-05 13:34:28
Local clock offset: -6.499 ms
Remote clock offset: -0.056 ms

Below is generated by plot.py at 2019-02-05 15:03:15
Datalink statistics
-- Total of 1 flow:
Average throughput: 97.15 Mbit/s
95th percentile per-packet one-way delay: 2.040 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 97.15 Mbit/s
95th percentile per-packet one-way delay: 2.040 ms
Loss rate: 0.01%

Run 2: Report of TCP Vegas — Data Link



Run 3: Statistics of TCP Vegas

Start at: 2019-02-05 13:57:32

End at: 2019-02-05 13:58:02

Local clock offset: -5.417 ms

Remote clock offset: 0.281 ms

Below is generated by plot.py at 2019-02-05 15:03:15

Datalink statistics

-- Total of 1 flow:

Average throughput: 97.22 Mbit/s

95th percentile per-packet one-way delay: 1.925 ms

Loss rate: 0.01%

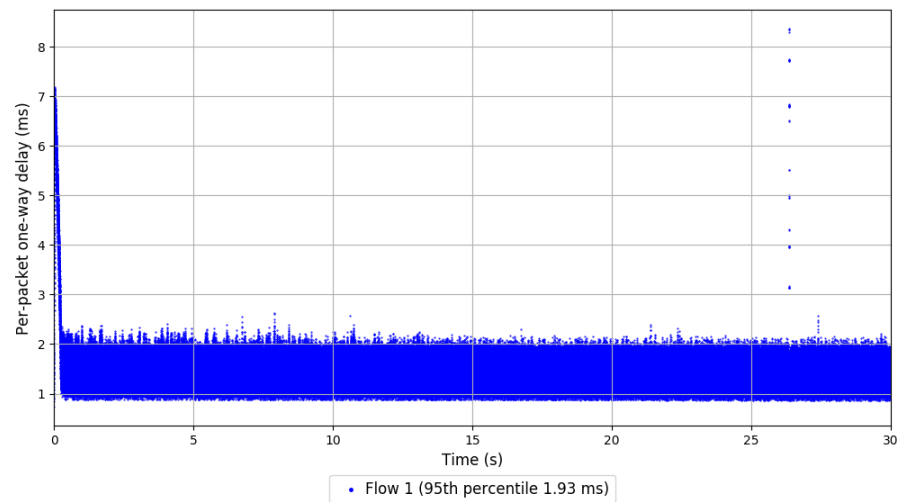
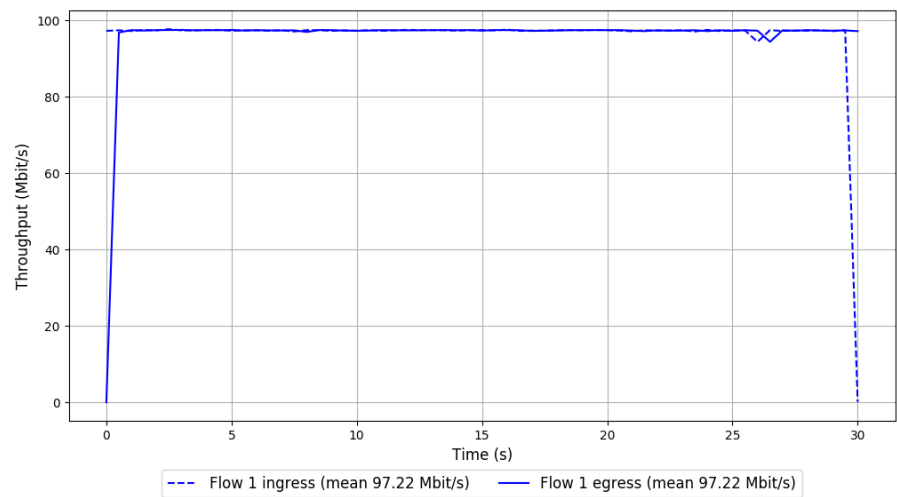
-- Flow 1:

Average throughput: 97.22 Mbit/s

95th percentile per-packet one-way delay: 1.925 ms

Loss rate: 0.01%

Run 3: Report of TCP Vegas — Data Link



Run 4: Statistics of TCP Vegas

Start at: 2019-02-05 14:21:06

End at: 2019-02-05 14:21:36

Local clock offset: -4.755 ms

Remote clock offset: 0.501 ms

Below is generated by plot.py at 2019-02-05 15:03:41

Datalink statistics

-- Total of 1 flow:

Average throughput: 96.48 Mbit/s

95th percentile per-packet one-way delay: 1.896 ms

Loss rate: 0.01%

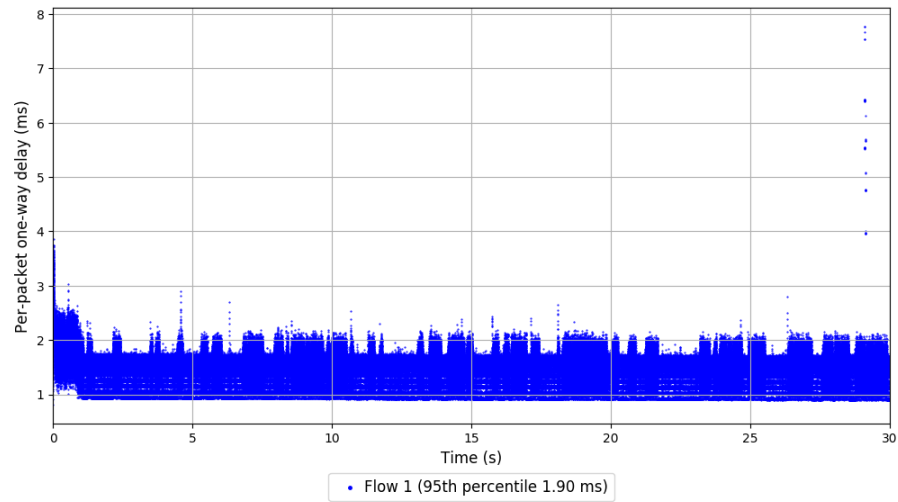
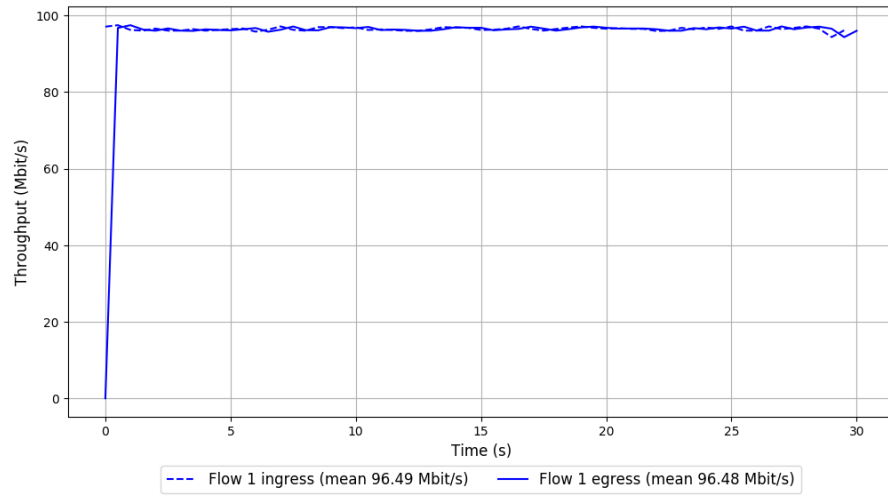
-- Flow 1:

Average throughput: 96.48 Mbit/s

95th percentile per-packet one-way delay: 1.896 ms

Loss rate: 0.01%

Run 4: Report of TCP Vegas — Data Link



Run 5: Statistics of TCP Vegas

Start at: 2019-02-05 14:44:41

End at: 2019-02-05 14:45:11

Local clock offset: -4.326 ms

Remote clock offset: 0.192 ms

Below is generated by plot.py at 2019-02-05 15:03:48

Datalink statistics

-- Total of 1 flow:

Average throughput: 96.32 Mbit/s

95th percentile per-packet one-way delay: 1.852 ms

Loss rate: 0.01%

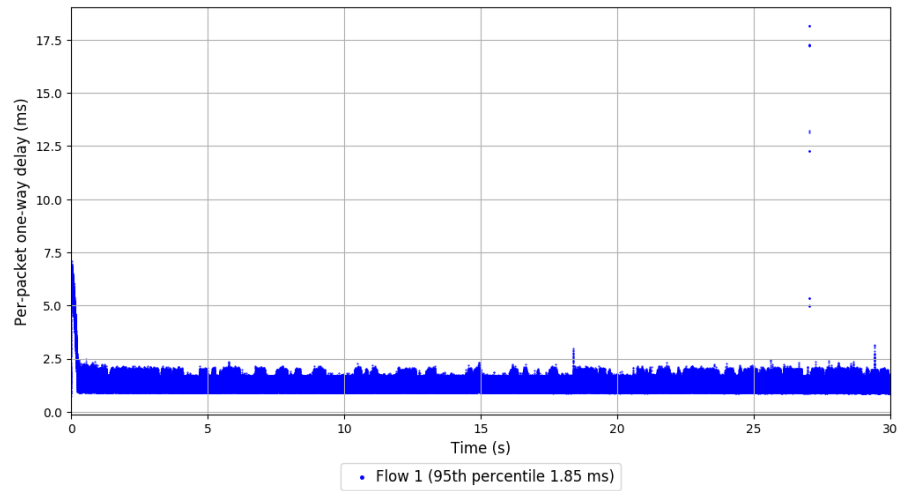
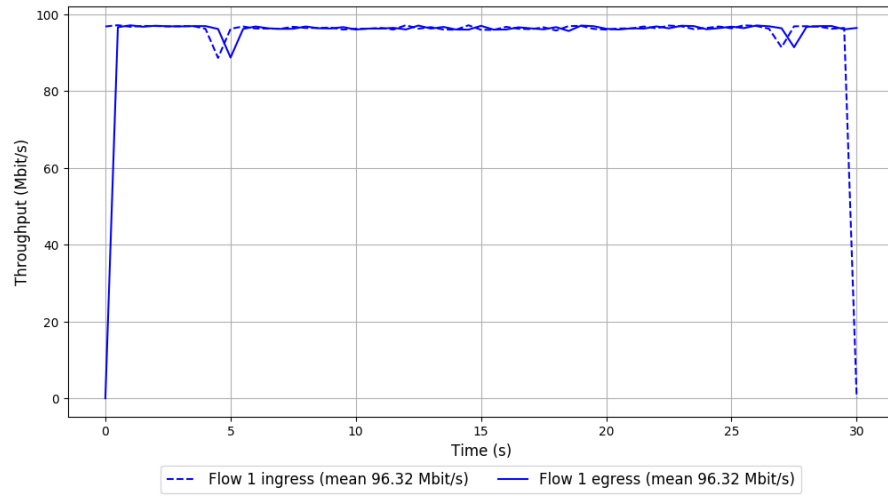
-- Flow 1:

Average throughput: 96.32 Mbit/s

95th percentile per-packet one-way delay: 1.852 ms

Loss rate: 0.01%

Run 5: Report of TCP Vegas — Data Link

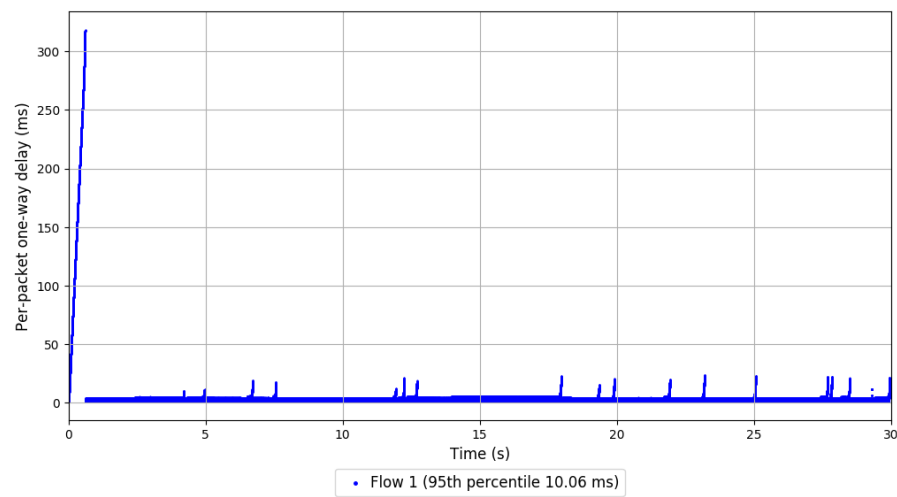
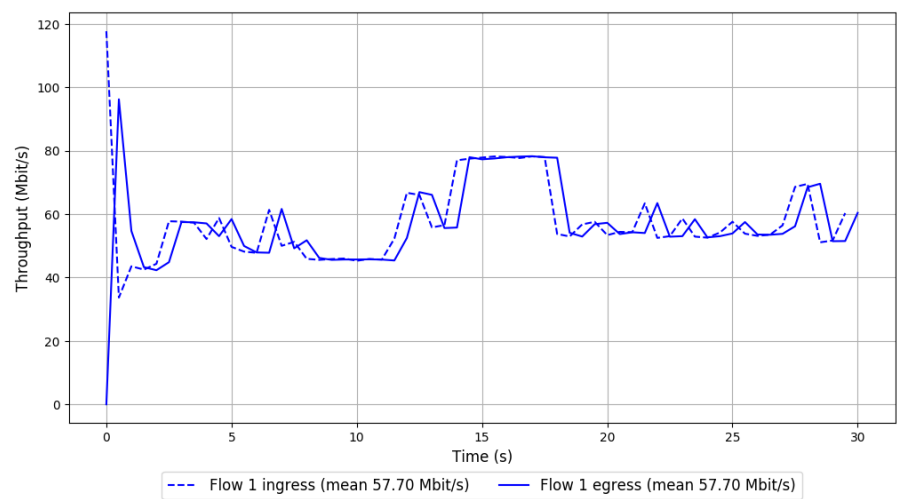


Run 1: Statistics of Verus

Start at: 2019-02-05 13:13:48
End at: 2019-02-05 13:14:18
Local clock offset: -7.522 ms
Remote clock offset: -0.459 ms

Below is generated by plot.py at 2019-02-05 15:03:48
Datalink statistics
-- Total of 1 flow:
Average throughput: 57.70 Mbit/s
95th percentile per-packet one-way delay: 10.062 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 57.70 Mbit/s
95th percentile per-packet one-way delay: 10.062 ms
Loss rate: 0.01%

Run 1: Report of Verus — Data Link



Run 2: Statistics of Verus

Start at: 2019-02-05 13:37:26

End at: 2019-02-05 13:37:56

Local clock offset: -6.621 ms

Remote clock offset: 0.044 ms

Below is generated by plot.py at 2019-02-05 15:03:48

Datalink statistics

-- Total of 1 flow:

Average throughput: 57.30 Mbit/s

95th percentile per-packet one-way delay: 8.731 ms

Loss rate: 0.03%

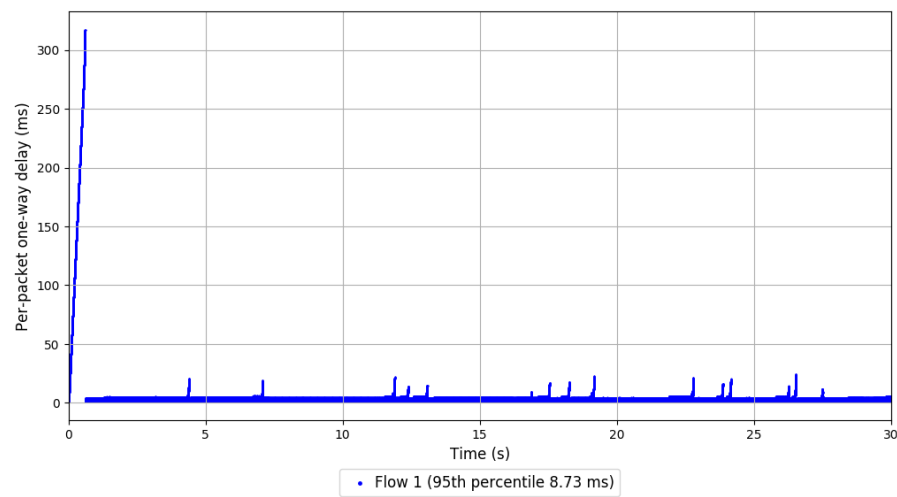
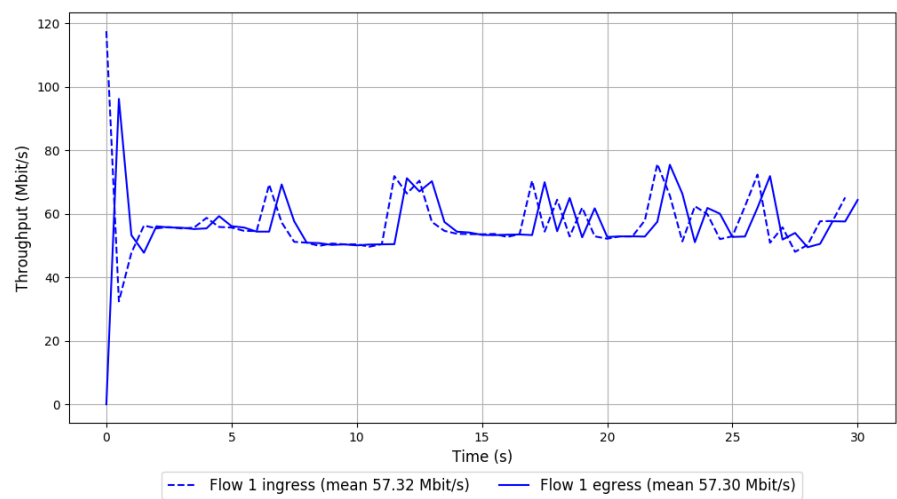
-- Flow 1:

Average throughput: 57.30 Mbit/s

95th percentile per-packet one-way delay: 8.731 ms

Loss rate: 0.03%

Run 2: Report of Verus — Data Link



Run 3: Statistics of Verus

Start at: 2019-02-05 14:00:59

End at: 2019-02-05 14:01:29

Local clock offset: -5.301 ms

Remote clock offset: 0.276 ms

Below is generated by plot.py at 2019-02-05 15:03:48

Datalink statistics

-- Total of 1 flow:

Average throughput: 56.56 Mbit/s

95th percentile per-packet one-way delay: 5.953 ms

Loss rate: 0.02%

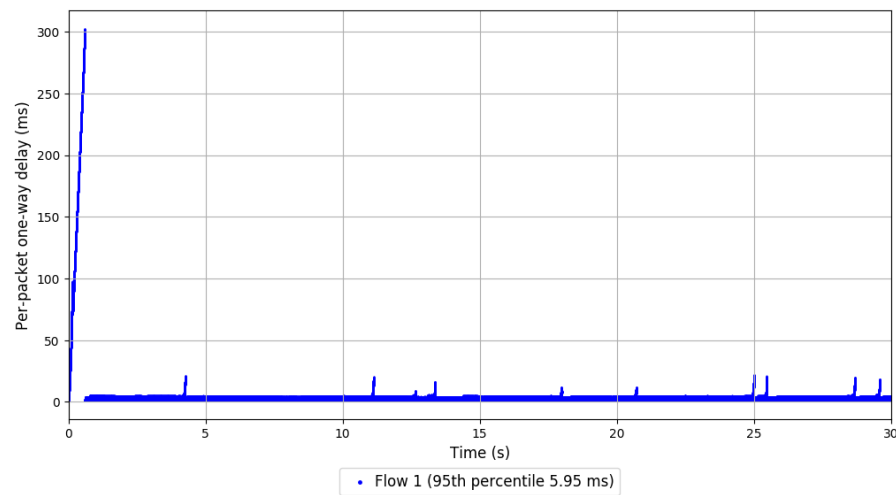
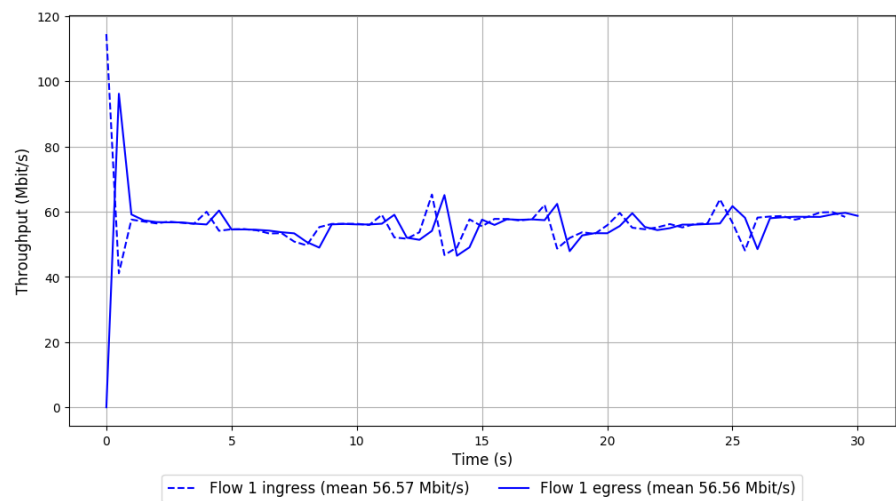
-- Flow 1:

Average throughput: 56.56 Mbit/s

95th percentile per-packet one-way delay: 5.953 ms

Loss rate: 0.02%

Run 3: Report of Verus — Data Link



Run 4: Statistics of Verus

Start at: 2019-02-05 14:24:33

End at: 2019-02-05 14:25:03

Local clock offset: -4.538 ms

Remote clock offset: 0.557 ms

Below is generated by plot.py at 2019-02-05 15:03:58

Datalink statistics

-- Total of 1 flow:

Average throughput: 57.42 Mbit/s

95th percentile per-packet one-way delay: 9.068 ms

Loss rate: 0.01%

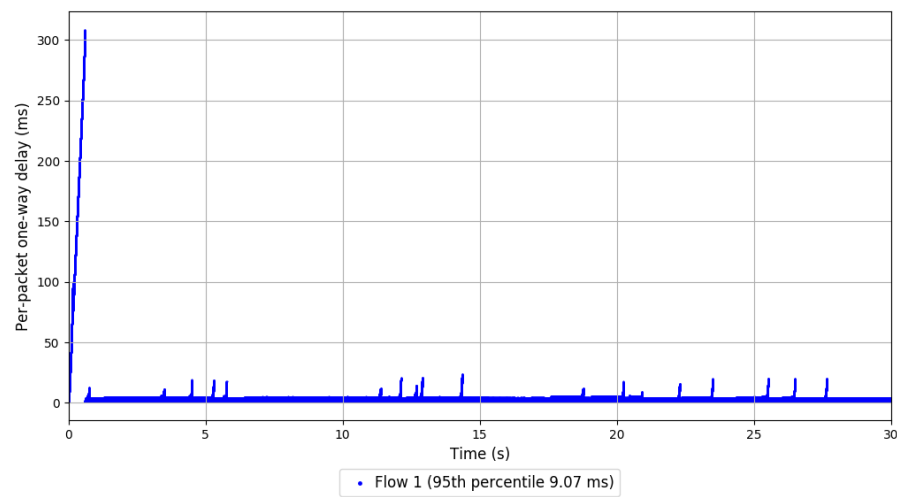
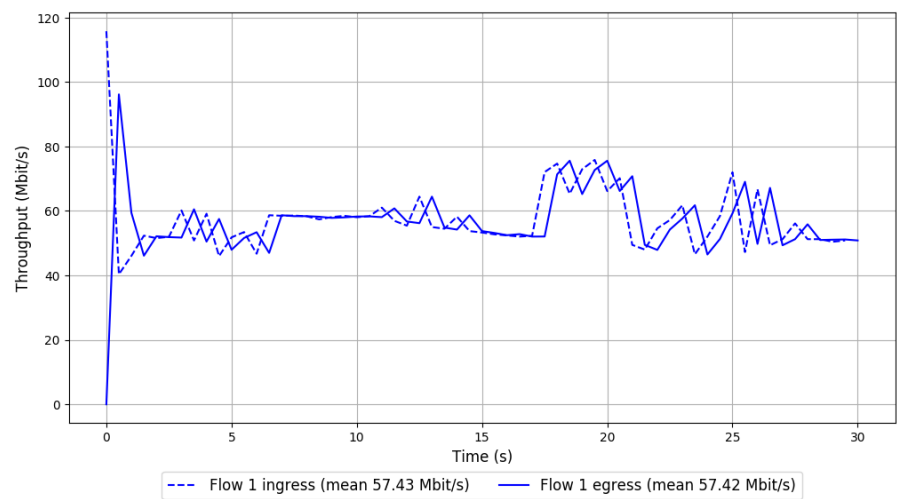
-- Flow 1:

Average throughput: 57.42 Mbit/s

95th percentile per-packet one-way delay: 9.068 ms

Loss rate: 0.01%

Run 4: Report of Verus — Data Link



Run 5: Statistics of Verus

Start at: 2019-02-05 14:48:09

End at: 2019-02-05 14:48:39

Local clock offset: -4.355 ms

Remote clock offset: 0.073 ms

Below is generated by plot.py at 2019-02-05 15:03:59

Datalink statistics

-- Total of 1 flow:

Average throughput: 56.77 Mbit/s

95th percentile per-packet one-way delay: 5.072 ms

Loss rate: 0.02%

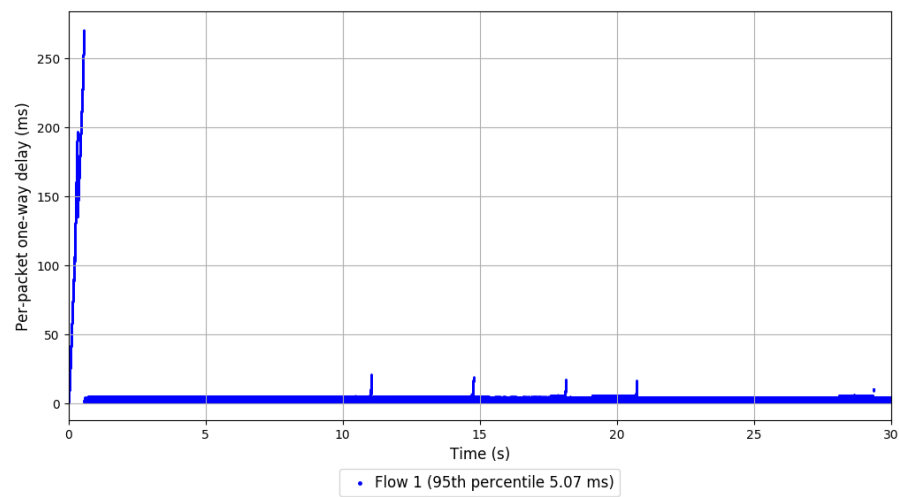
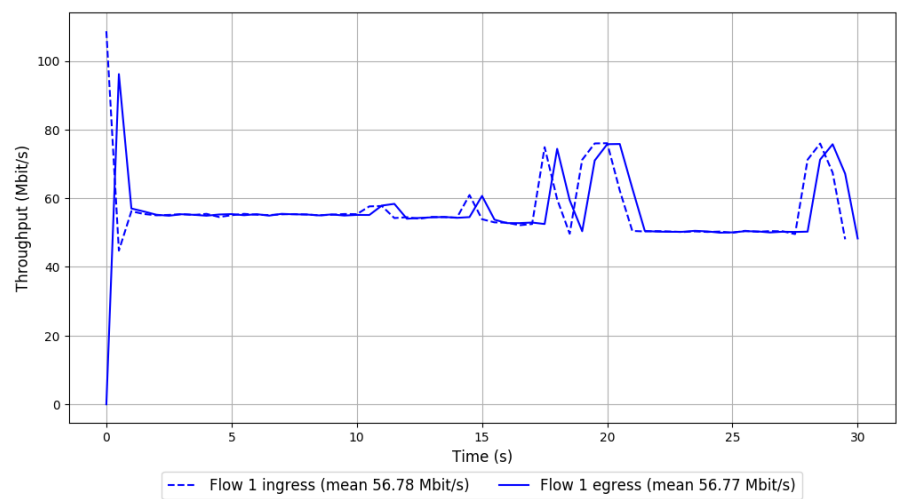
-- Flow 1:

Average throughput: 56.77 Mbit/s

95th percentile per-packet one-way delay: 5.072 ms

Loss rate: 0.02%

Run 5: Report of Verus — Data Link



Run 1: Statistics of PCC-Vivace

Start at: 2019-02-05 13:03:44

End at: 2019-02-05 13:04:14

Local clock offset: -5.651 ms

Remote clock offset: -0.584 ms

Below is generated by plot.py at 2019-02-05 15:03:59

Datalink statistics

-- Total of 1 flow:

Average throughput: 27.38 Mbit/s

95th percentile per-packet one-way delay: 1.137 ms

Loss rate: 0.01%

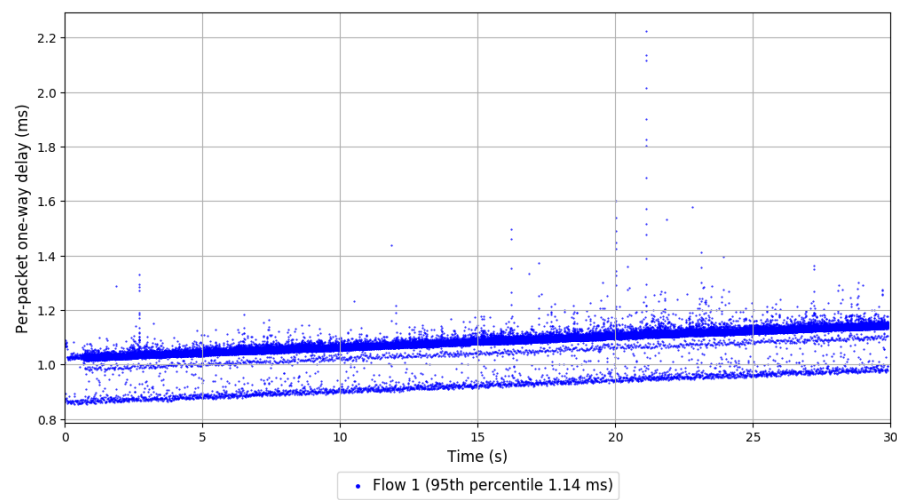
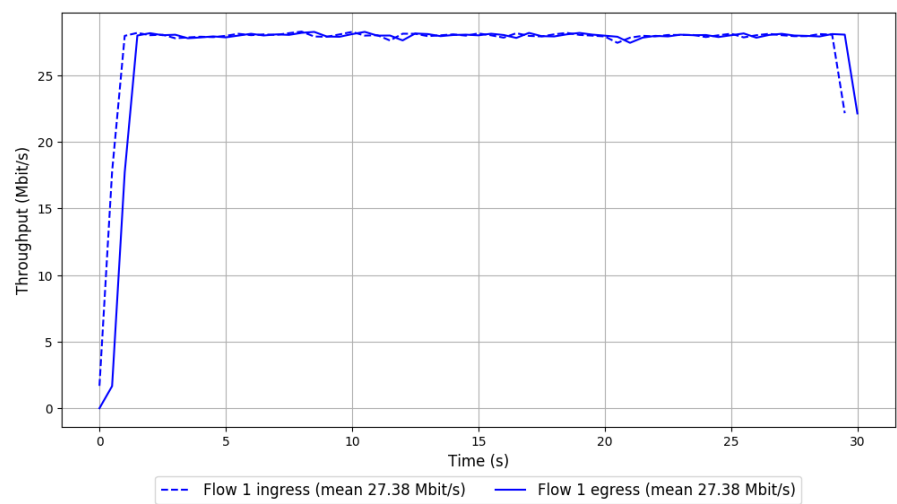
-- Flow 1:

Average throughput: 27.38 Mbit/s

95th percentile per-packet one-way delay: 1.137 ms

Loss rate: 0.01%

Run 1: Report of PCC-Vivace — Data Link

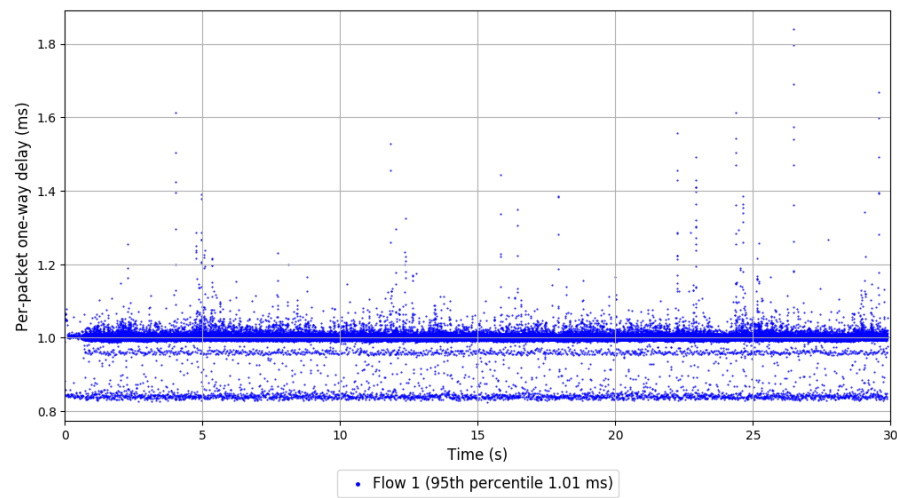
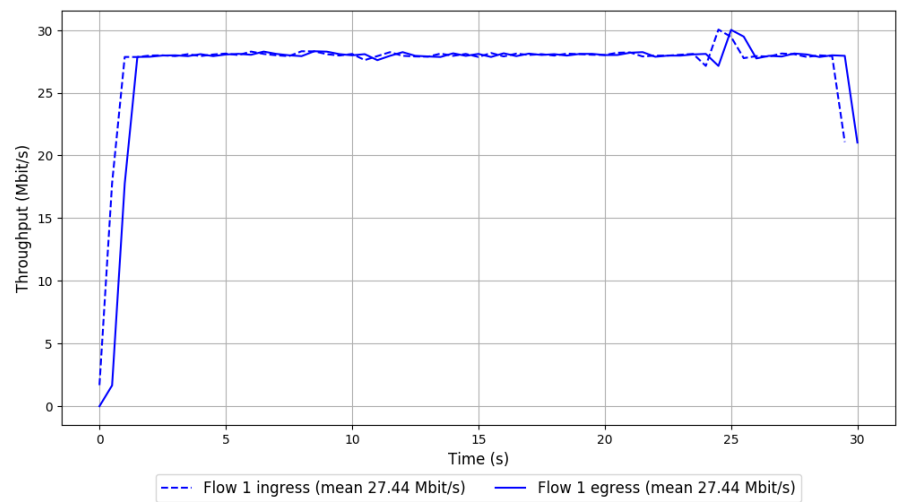


Run 2: Statistics of PCC-Vivace

Start at: 2019-02-05 13:27:21
End at: 2019-02-05 13:27:51
Local clock offset: -6.485 ms
Remote clock offset: -0.191 ms

Below is generated by plot.py at 2019-02-05 15:03:59
Datalink statistics
-- Total of 1 flow:
Average throughput: 27.44 Mbit/s
95th percentile per-packet one-way delay: 1.014 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 27.44 Mbit/s
95th percentile per-packet one-way delay: 1.014 ms
Loss rate: 0.01%

Run 2: Report of PCC-Vivace — Data Link



Run 3: Statistics of PCC-Vivace

Start at: 2019-02-05 13:50:55

End at: 2019-02-05 13:51:25

Local clock offset: -6.005 ms

Remote clock offset: 0.271 ms

Below is generated by plot.py at 2019-02-05 15:03:59

Datalink statistics

-- Total of 1 flow:

Average throughput: 27.17 Mbit/s

95th percentile per-packet one-way delay: 0.819 ms

Loss rate: 0.01%

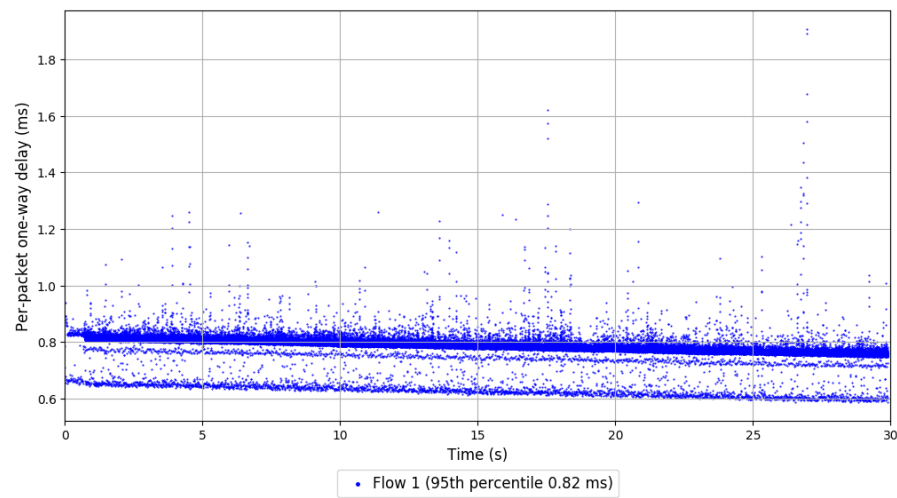
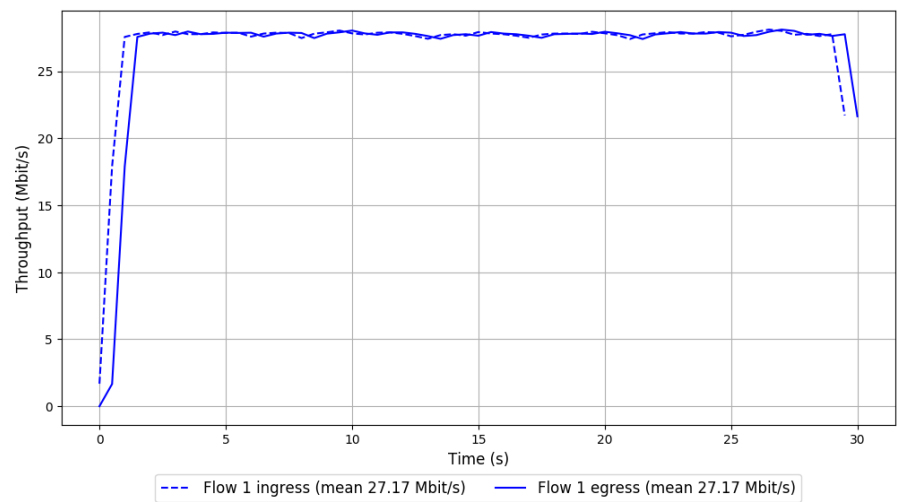
-- Flow 1:

Average throughput: 27.17 Mbit/s

95th percentile per-packet one-way delay: 0.819 ms

Loss rate: 0.01%

Run 3: Report of PCC-Vivace — Data Link



Run 4: Statistics of PCC-Vivace

Start at: 2019-02-05 14:14:29

End at: 2019-02-05 14:14:59

Local clock offset: -5.257 ms

Remote clock offset: 0.5 ms

Below is generated by plot.py at 2019-02-05 15:03:59

Datalink statistics

-- Total of 1 flow:

Average throughput: 31.48 Mbit/s

95th percentile per-packet one-way delay: 0.958 ms

Loss rate: 0.00%

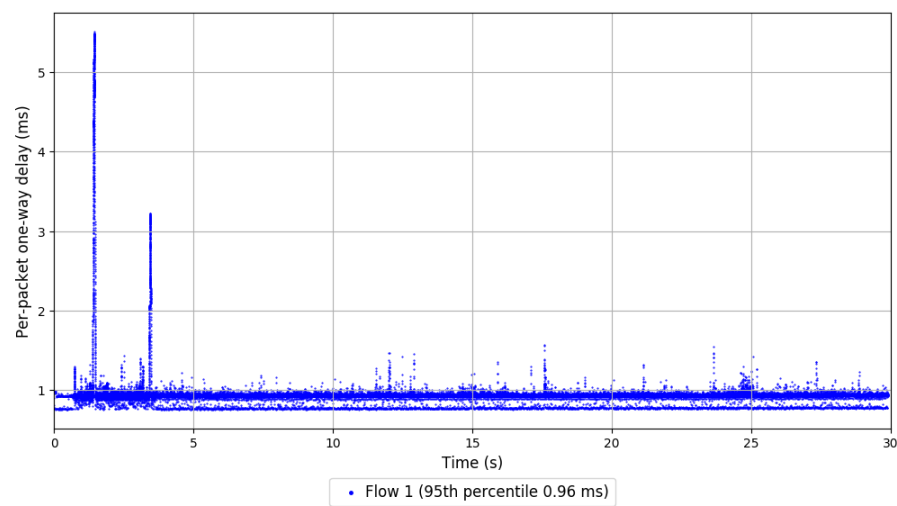
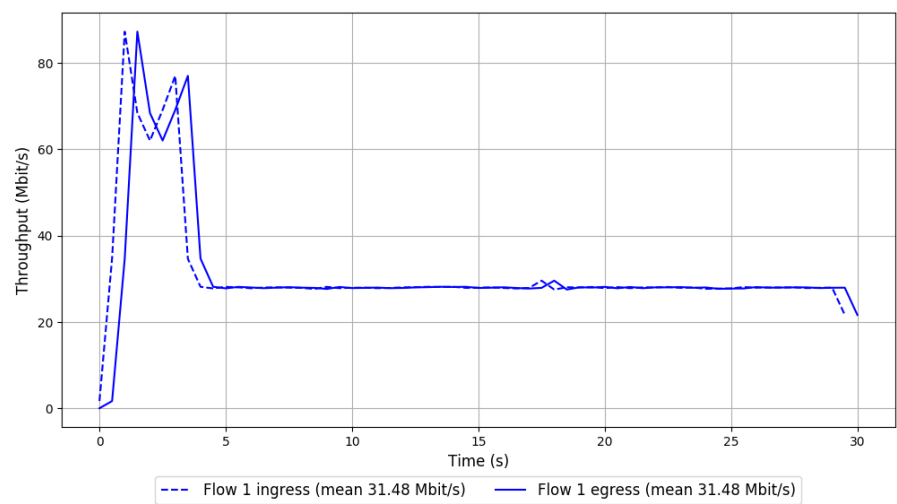
-- Flow 1:

Average throughput: 31.48 Mbit/s

95th percentile per-packet one-way delay: 0.958 ms

Loss rate: 0.00%

Run 4: Report of PCC-Vivace — Data Link



Run 5: Statistics of PCC-Vivace

Start at: 2019-02-05 14:38:05

End at: 2019-02-05 14:38:35

Local clock offset: -4.264 ms

Remote clock offset: 0.261 ms

Below is generated by plot.py at 2019-02-05 15:04:00

Datalink statistics

-- Total of 1 flow:

Average throughput: 33.47 Mbit/s

95th percentile per-packet one-way delay: 1.054 ms

Loss rate: 0.01%

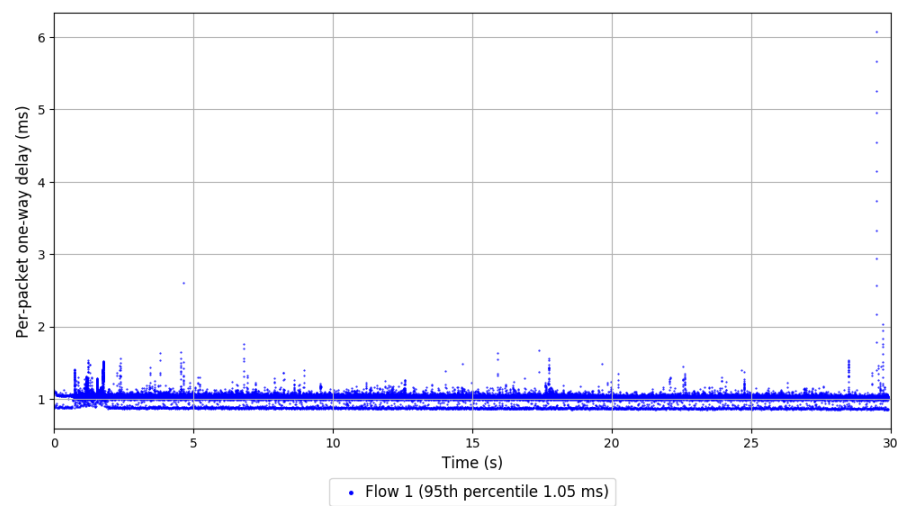
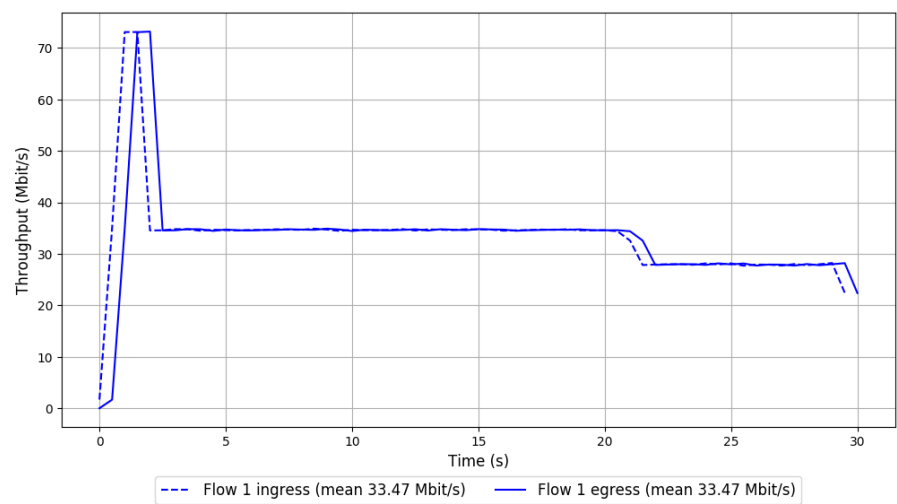
-- Flow 1:

Average throughput: 33.47 Mbit/s

95th percentile per-packet one-way delay: 1.054 ms

Loss rate: 0.01%

Run 5: Report of PCC-Vivace — Data Link

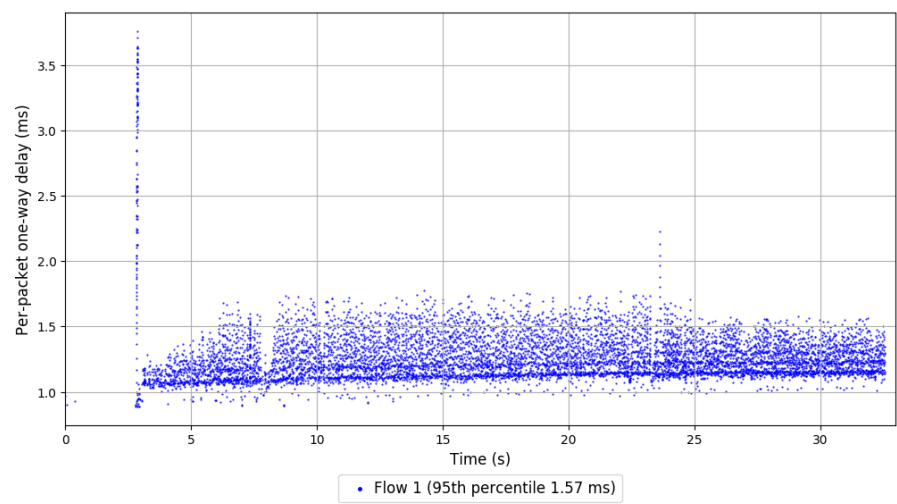
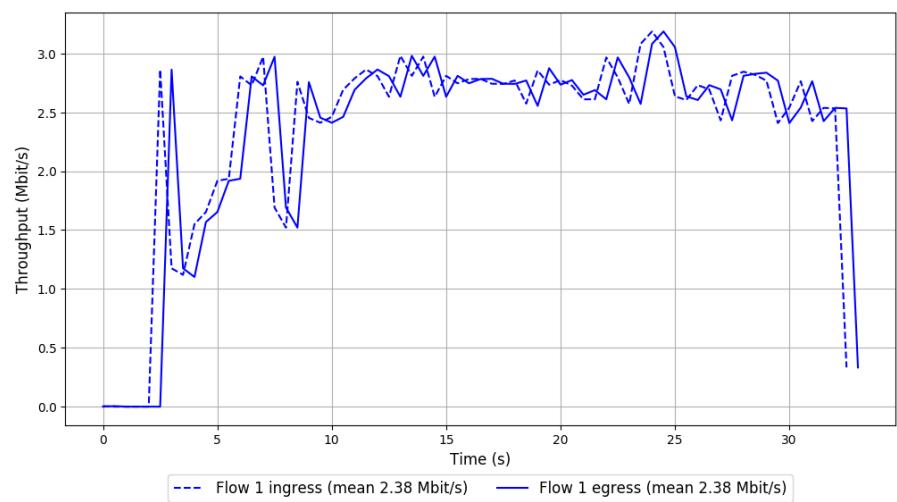


Run 1: Statistics of WebRTC media

Start at: 2019-02-05 13:09:16
End at: 2019-02-05 13:09:46
Local clock offset: -6.812 ms
Remote clock offset: -0.565 ms

Below is generated by plot.py at 2019-02-05 15:04:00
Datalink statistics
-- Total of 1 flow:
Average throughput: 2.38 Mbit/s
95th percentile per-packet one-way delay: 1.566 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.38 Mbit/s
95th percentile per-packet one-way delay: 1.566 ms
Loss rate: 0.00%

Run 1: Report of WebRTC media — Data Link

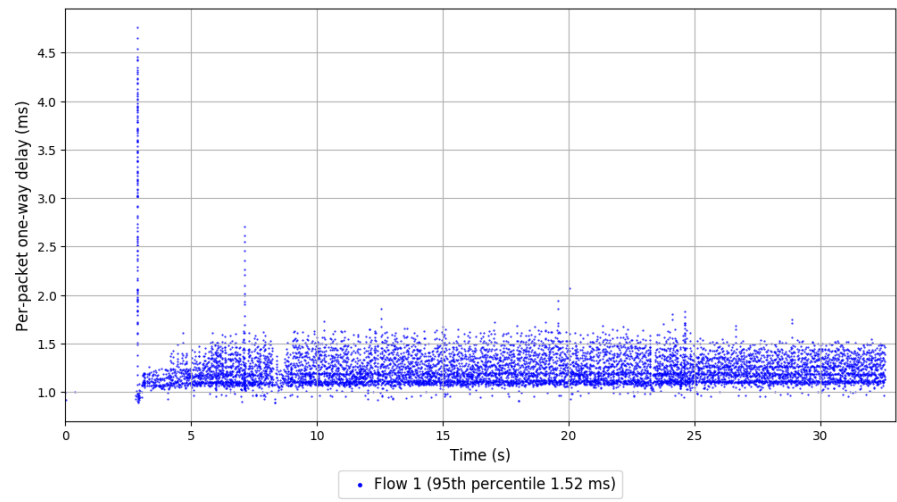
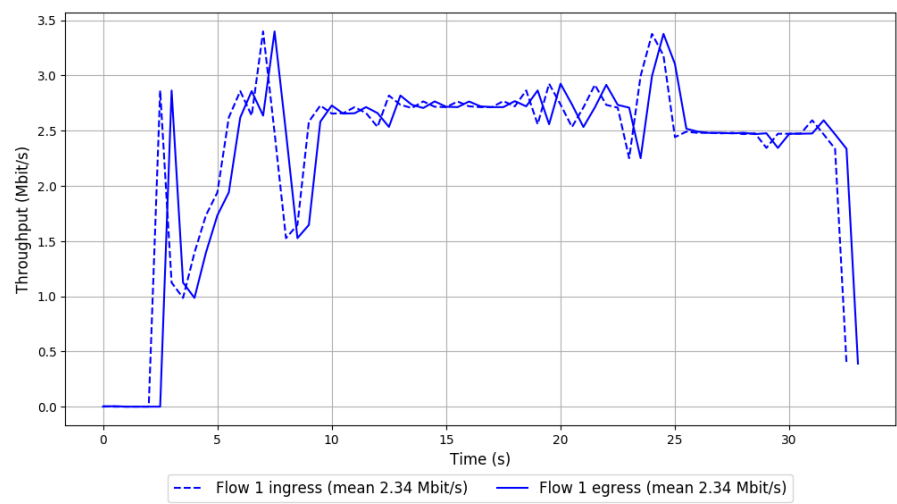


Run 2: Statistics of WebRTC media

Start at: 2019-02-05 13:32:54
End at: 2019-02-05 13:33:24
Local clock offset: -6.478 ms
Remote clock offset: -0.123 ms

Below is generated by plot.py at 2019-02-05 15:04:00
Datalink statistics
-- Total of 1 flow:
Average throughput: 2.34 Mbit/s
95th percentile per-packet one-way delay: 1.523 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.34 Mbit/s
95th percentile per-packet one-way delay: 1.523 ms
Loss rate: 0.00%

Run 2: Report of WebRTC media — Data Link



Run 3: Statistics of WebRTC media

Start at: 2019-02-05 13:56:27

End at: 2019-02-05 13:56:57

Local clock offset: -5.417 ms

Remote clock offset: 0.308 ms

Below is generated by plot.py at 2019-02-05 15:04:00

Datalink statistics

-- Total of 1 flow:

Average throughput: 2.36 Mbit/s

95th percentile per-packet one-way delay: 1.365 ms

Loss rate: 0.07%

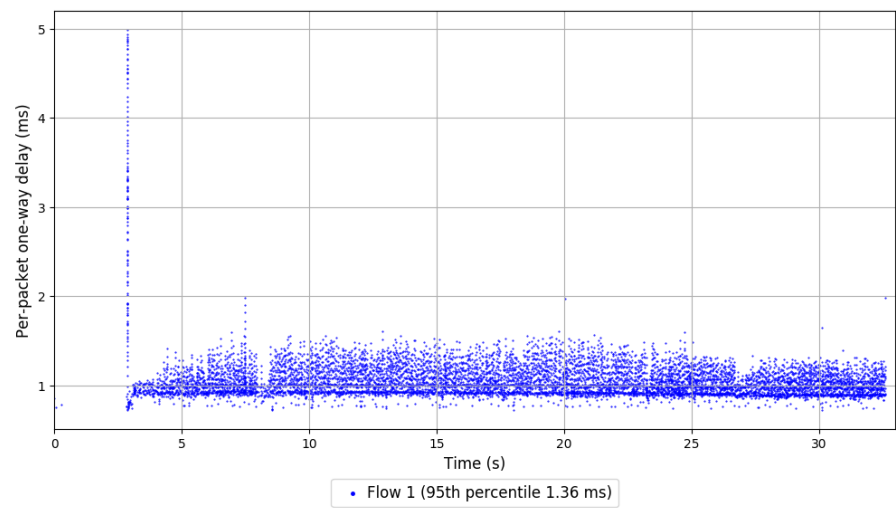
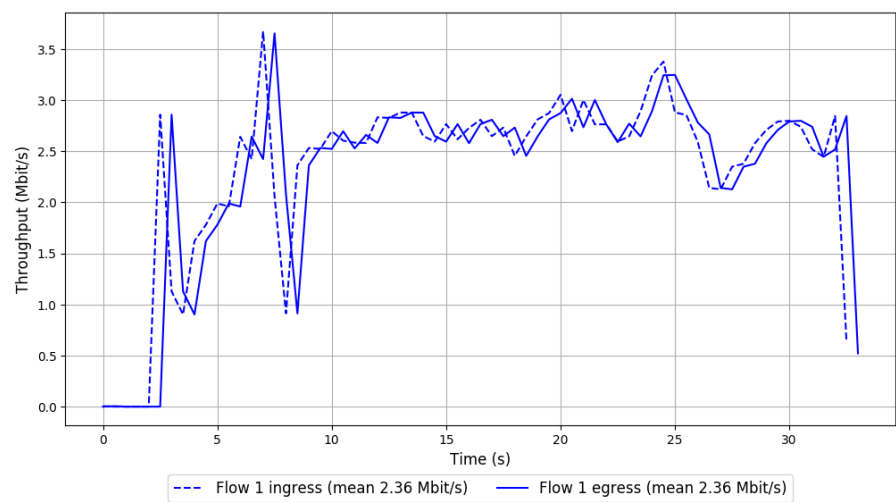
-- Flow 1:

Average throughput: 2.36 Mbit/s

95th percentile per-packet one-way delay: 1.365 ms

Loss rate: 0.07%

Run 3: Report of WebRTC media — Data Link



Run 4: Statistics of WebRTC media

Start at: 2019-02-05 14:20:01

End at: 2019-02-05 14:20:31

Local clock offset: -4.911 ms

Remote clock offset: 0.548 ms

Below is generated by plot.py at 2019-02-05 15:04:00

Datalink statistics

-- Total of 1 flow:

Average throughput: 2.34 Mbit/s

95th percentile per-packet one-way delay: 1.298 ms

Loss rate: 0.00%

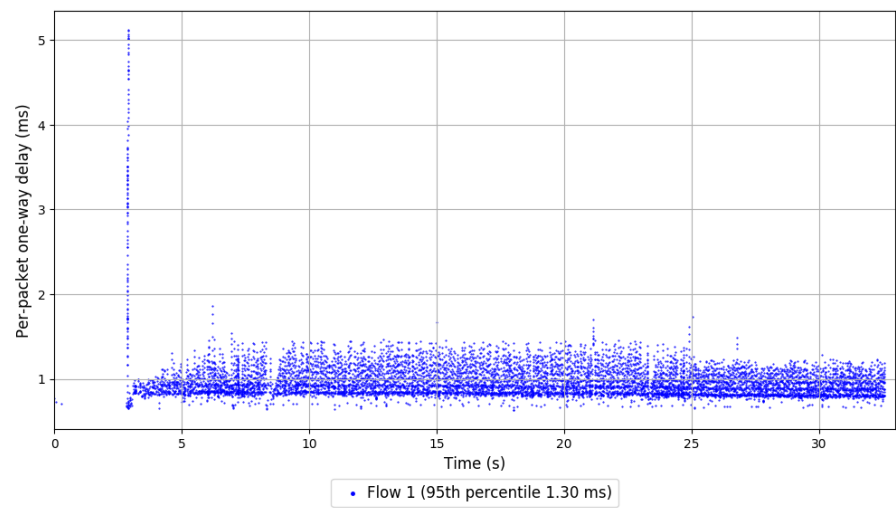
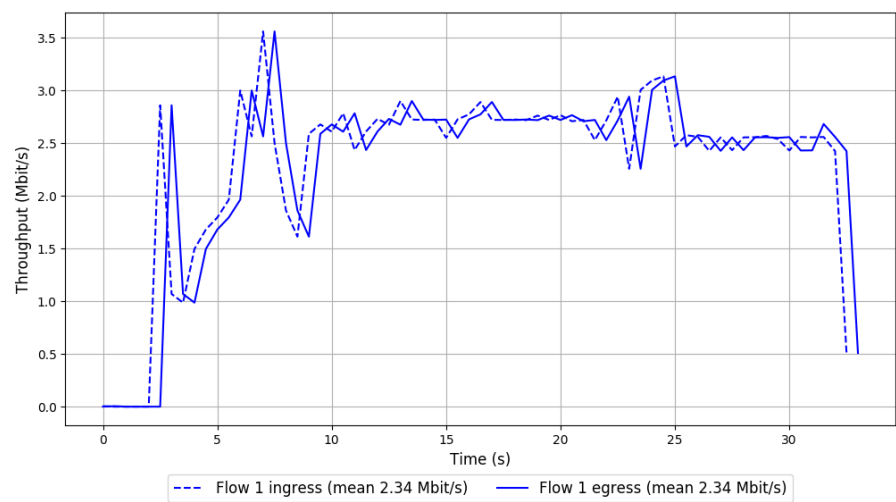
-- Flow 1:

Average throughput: 2.34 Mbit/s

95th percentile per-packet one-way delay: 1.298 ms

Loss rate: 0.00%

Run 4: Report of WebRTC media — Data Link



Run 5: Statistics of WebRTC media

Start at: 2019-02-05 14:43:37

End at: 2019-02-05 14:44:07

Local clock offset: -4.322 ms

Remote clock offset: 0.273 ms

Below is generated by plot.py at 2019-02-05 15:04:00

Datalink statistics

-- Total of 1 flow:

Average throughput: 2.41 Mbit/s

95th percentile per-packet one-way delay: 1.301 ms

Loss rate: 0.01%

-- Flow 1:

Average throughput: 2.41 Mbit/s

95th percentile per-packet one-way delay: 1.301 ms

Loss rate: 0.01%

Run 5: Report of WebRTC media — Data Link

