

Pantheon Report

Generated at 2019-02-20 07:15:47 (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:

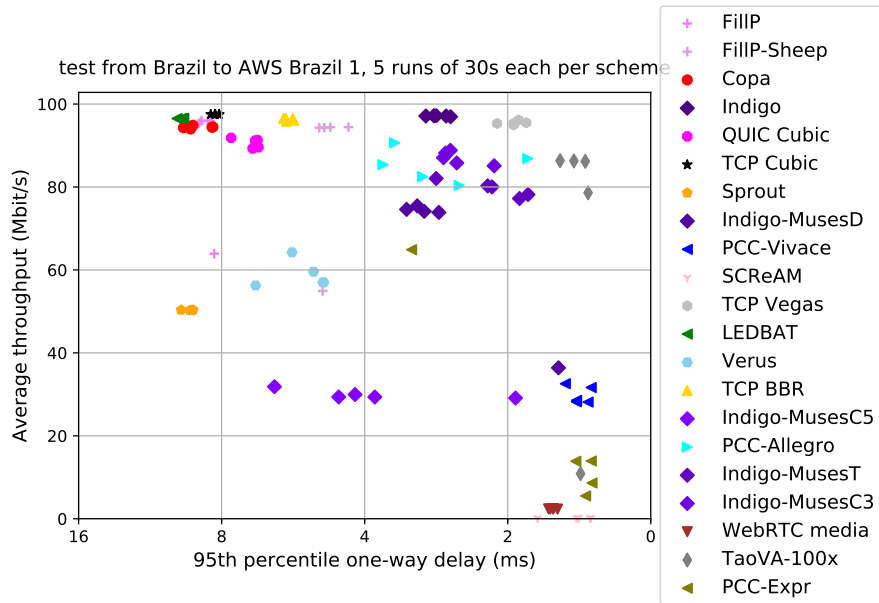
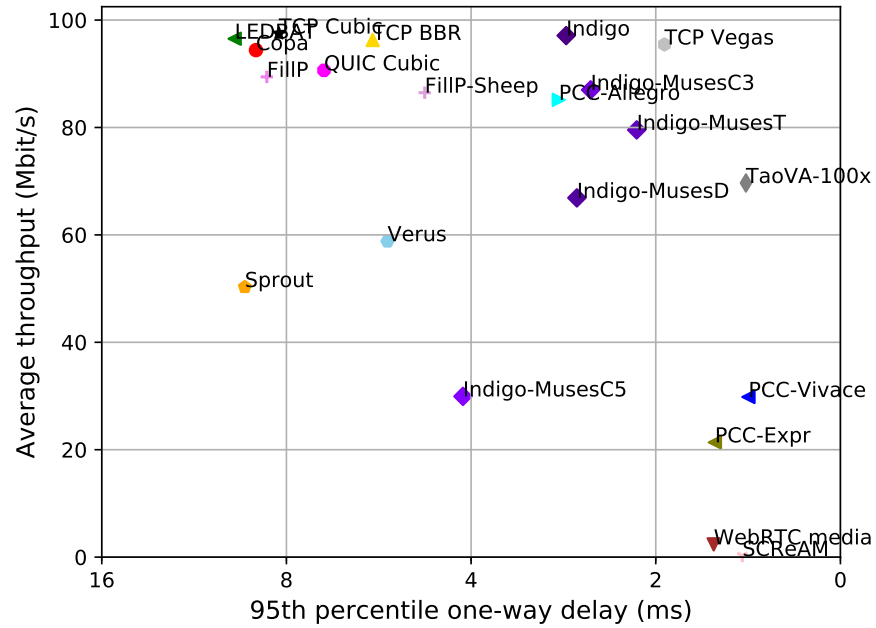
```
Linux 4.15.0-1031-aws
net.core.default_qdisc = fq
net.core.rmem_default = 16777216
net.core.rmem_max = 536870912
net.core.wmem_default = 16777216
net.core.wmem_max = 536870912
net.ipv4.tcp_rmem = 4096 16777216 536870912
net.ipv4.tcp_wmem = 4096 16777216 536870912
```

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-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 Brazil to AWS Brazil 1, 5 runs of 30s each per scheme
(mean of all runs by 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	96.30	5.79	0.02
Copa	5	94.41	8.97	0.06
TCP Cubic	5	97.50	8.23	0.06
FillP	5	89.42	8.61	0.02
FillP-Sheep	5	86.48	4.76	0.01
Indigo	5	97.11	2.80	0.01
Indigo-MusesC3	5	87.00	2.55	0.01
Indigo-MusesC5	5	29.93	4.12	0.00
Indigo-MusesD	5	66.89	2.69	0.01
Indigo-MusesT	5	79.55	2.15	0.01
LEDBAT	5	96.53	9.72	0.09
PCC-Allegro	5	85.14	2.88	0.01
PCC-Expr	5	21.36	1.36	0.03
QUIC Cubic	5	90.64	6.95	0.01
SCReAM	5	0.22	1.06	0.03
Sprout	5	50.29	9.35	0.02
TaoVA-100x	5	69.66	1.02	0.01
TCP Vegas	5	95.45	1.91	0.01
Verus	5	58.83	5.47	0.08
PCC-Vivace	5	29.82	1.00	0.01
WebRTC media	5	2.37	1.37	0.00

Run 1: Statistics of TCP BBR

Start at: 2019-02-20 05:06:42

End at: 2019-02-20 05:07:12

Local clock offset: -3.638 ms

Remote clock offset: -2.433 ms

Below is generated by plot.py at 2019-02-20 07:04:21

Datalink statistics

-- Total of 1 flow:

Average throughput: 96.11 Mbit/s

95th percentile per-packet one-way delay: 5.644 ms

Loss rate: 0.02%

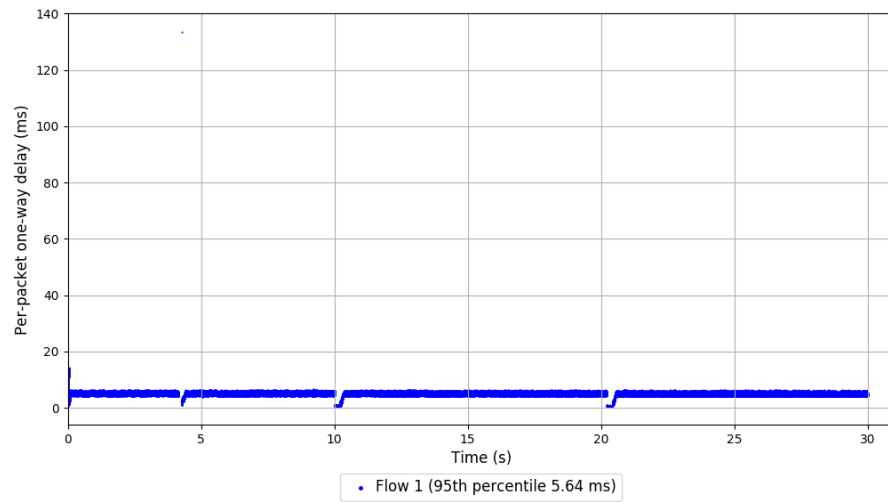
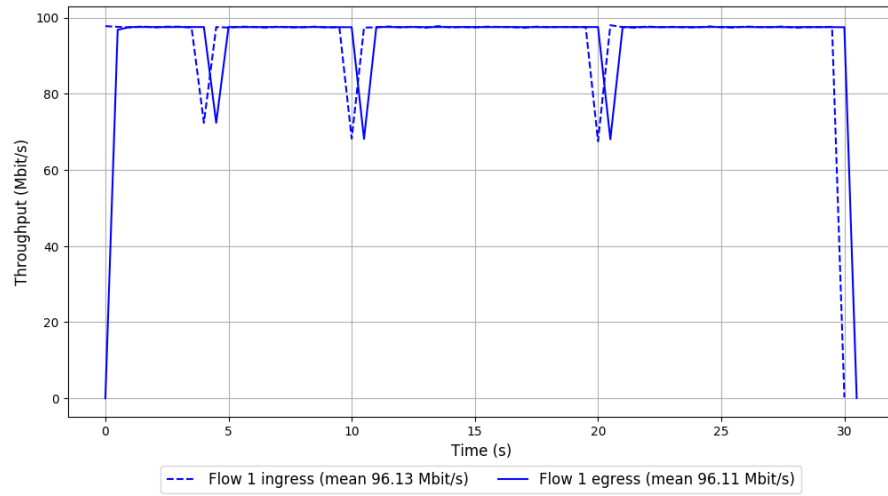
-- Flow 1:

Average throughput: 96.11 Mbit/s

95th percentile per-packet one-way delay: 5.644 ms

Loss rate: 0.02%

Run 1: Report of TCP BBR — Data Link

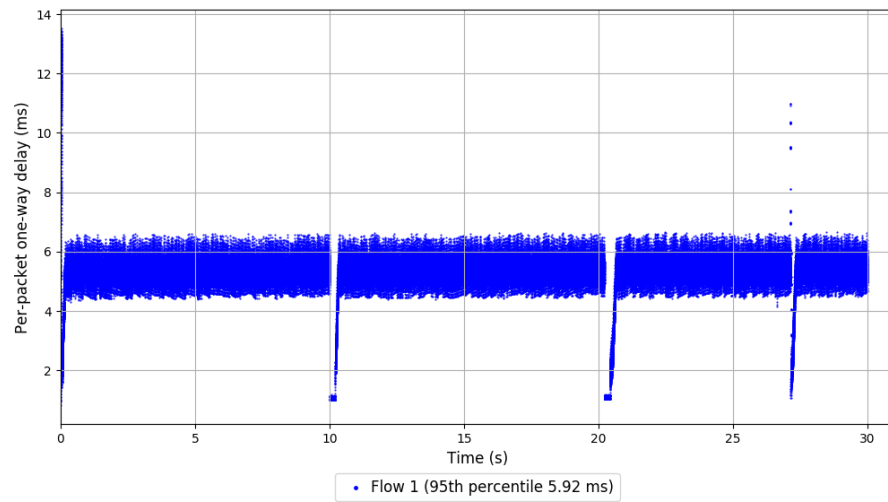
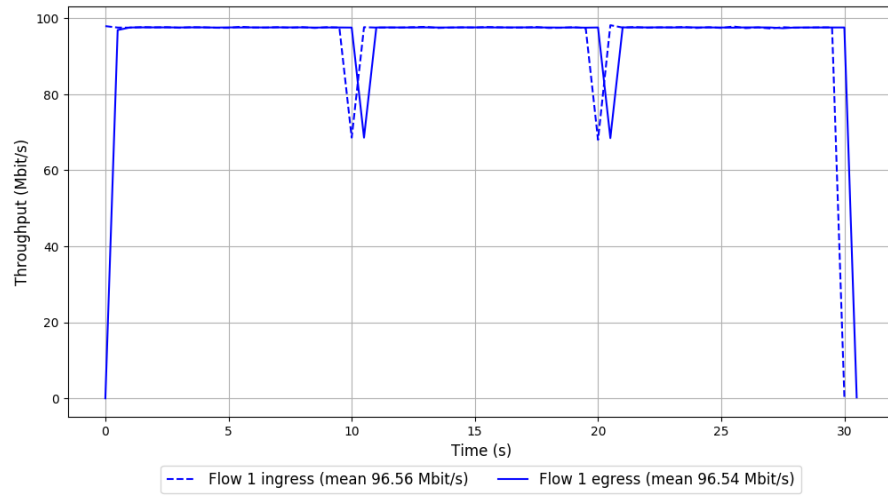


Run 2: Statistics of TCP BBR

Start at: 2019-02-20 05:30:15
End at: 2019-02-20 05:30:45
Local clock offset: -0.598 ms
Remote clock offset: -1.415 ms

Below is generated by plot.py at 2019-02-20 07:04:23
Datalink statistics
-- Total of 1 flow:
Average throughput: 96.54 Mbit/s
95th percentile per-packet one-way delay: 5.921 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 96.54 Mbit/s
95th percentile per-packet one-way delay: 5.921 ms
Loss rate: 0.02%

Run 2: Report of TCP BBR — Data Link

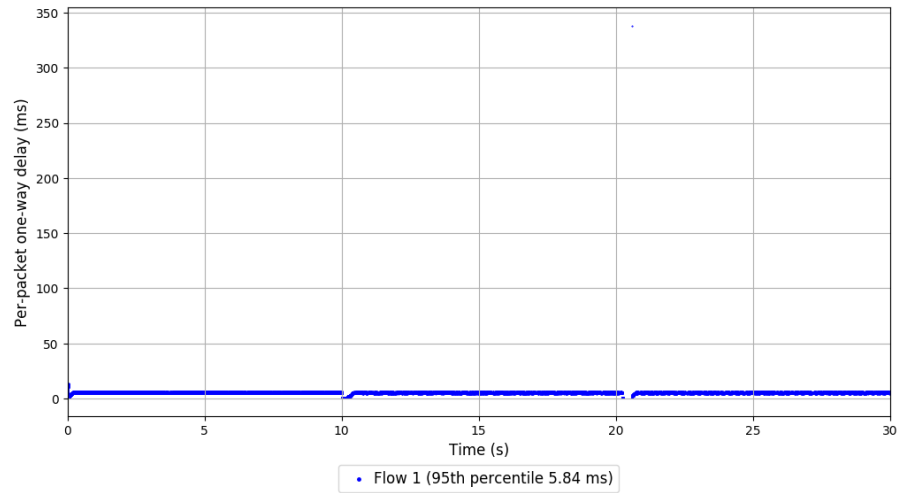
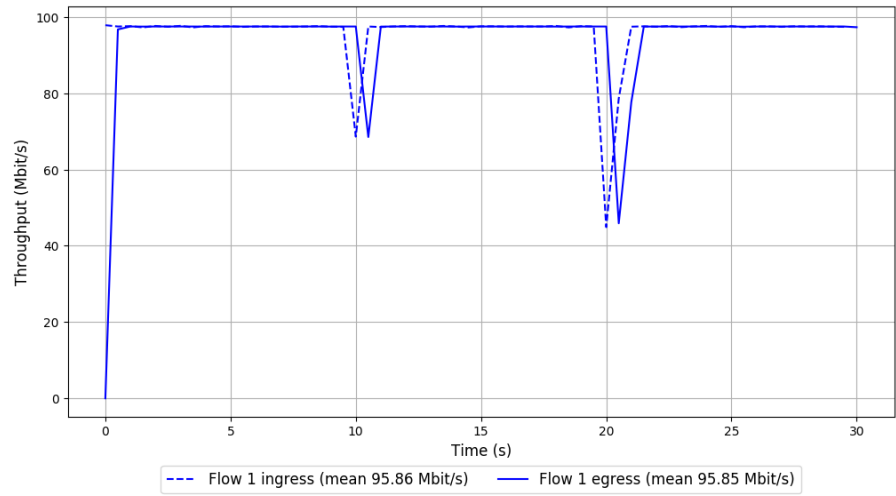


Run 3: Statistics of TCP BBR

Start at: 2019-02-20 05:53:47
End at: 2019-02-20 05:54:17
Local clock offset: -1.183 ms
Remote clock offset: -0.429 ms

Below is generated by plot.py at 2019-02-20 07:04:23
Datalink statistics
-- Total of 1 flow:
Average throughput: 95.85 Mbit/s
95th percentile per-packet one-way delay: 5.842 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 95.85 Mbit/s
95th percentile per-packet one-way delay: 5.842 ms
Loss rate: 0.02%

Run 3: Report of TCP BBR — Data Link



Run 4: Statistics of TCP BBR

Start at: 2019-02-20 06:17:22

End at: 2019-02-20 06:17:52

Local clock offset: -6.582 ms

Remote clock offset: 0.273 ms

Below is generated by plot.py at 2019-02-20 07:04:23

Datalink statistics

-- Total of 1 flow:

Average throughput: 96.51 Mbit/s

95th percentile per-packet one-way delay: 5.859 ms

Loss rate: 0.02%

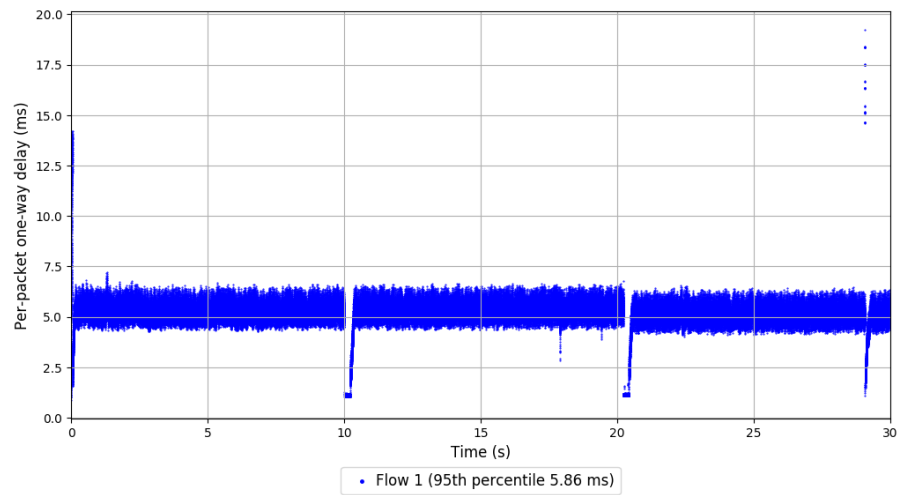
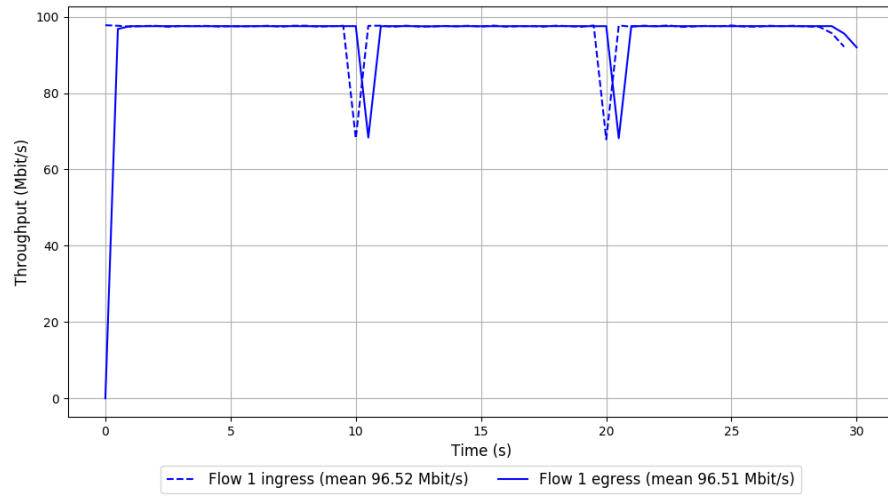
-- Flow 1:

Average throughput: 96.51 Mbit/s

95th percentile per-packet one-way delay: 5.859 ms

Loss rate: 0.02%

Run 4: Report of TCP BBR — Data Link



Run 5: Statistics of TCP BBR

Start at: 2019-02-20 06:40:51

End at: 2019-02-20 06:41:21

Local clock offset: -3.336 ms

Remote clock offset: 0.945 ms

Below is generated by plot.py at 2019-02-20 07:04:23

Datalink statistics

-- Total of 1 flow:

Average throughput: 96.50 Mbit/s

95th percentile per-packet one-way delay: 5.669 ms

Loss rate: 0.02%

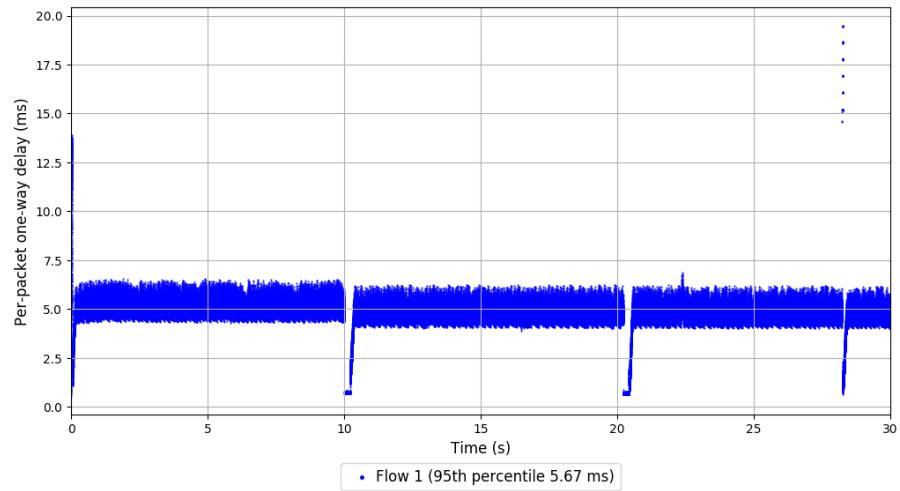
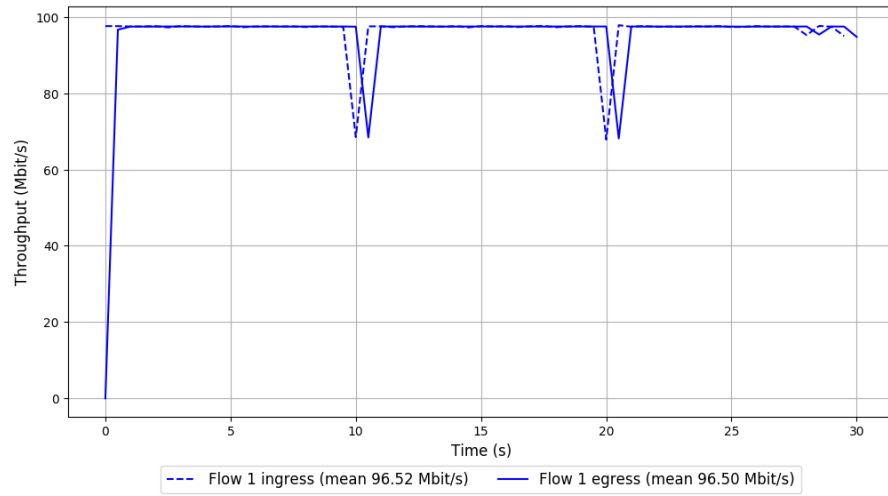
-- Flow 1:

Average throughput: 96.50 Mbit/s

95th percentile per-packet one-way delay: 5.669 ms

Loss rate: 0.02%

Run 5: Report of TCP BBR — Data Link

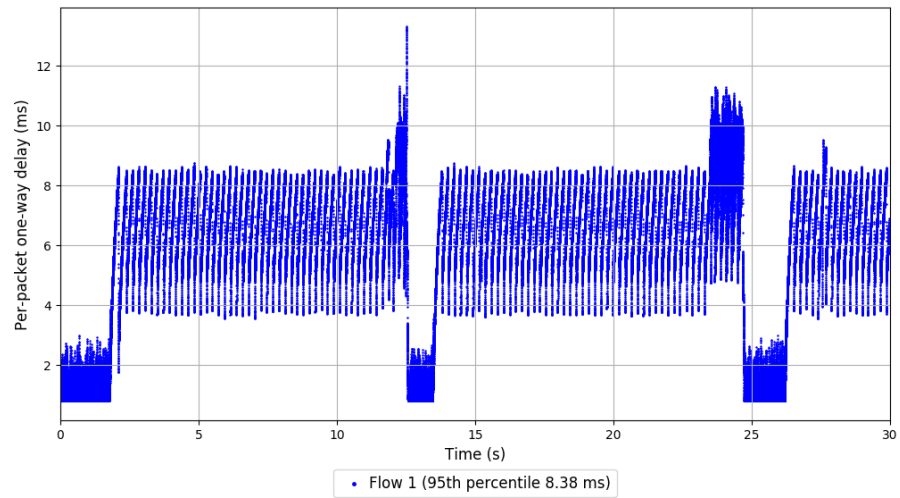
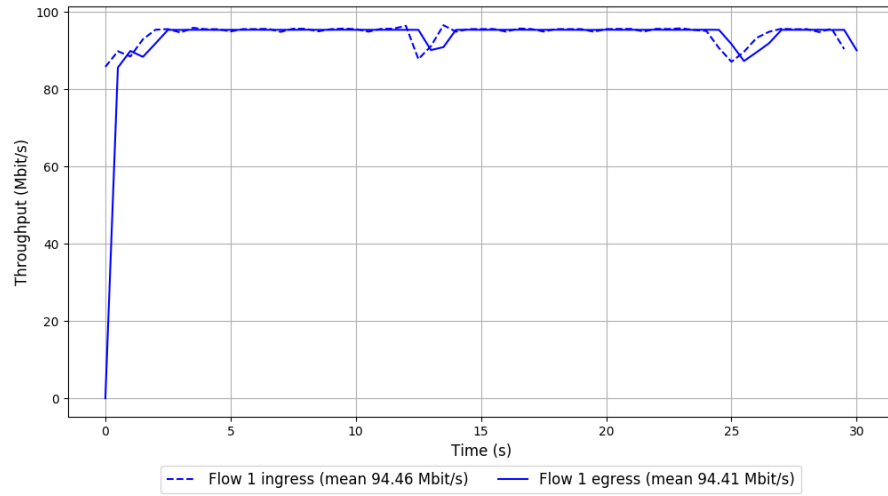


Run 1: Statistics of Copa

Start at: 2019-02-20 05:23:31
End at: 2019-02-20 05:24:01
Local clock offset: -1.08 ms
Remote clock offset: -1.725 ms

Below is generated by plot.py at 2019-02-20 07:05:25
Datalink statistics
-- Total of 1 flow:
Average throughput: 94.41 Mbit/s
95th percentile per-packet one-way delay: 8.379 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 94.41 Mbit/s
95th percentile per-packet one-way delay: 8.379 ms
Loss rate: 0.06%

Run 1: Report of Copa — Data Link

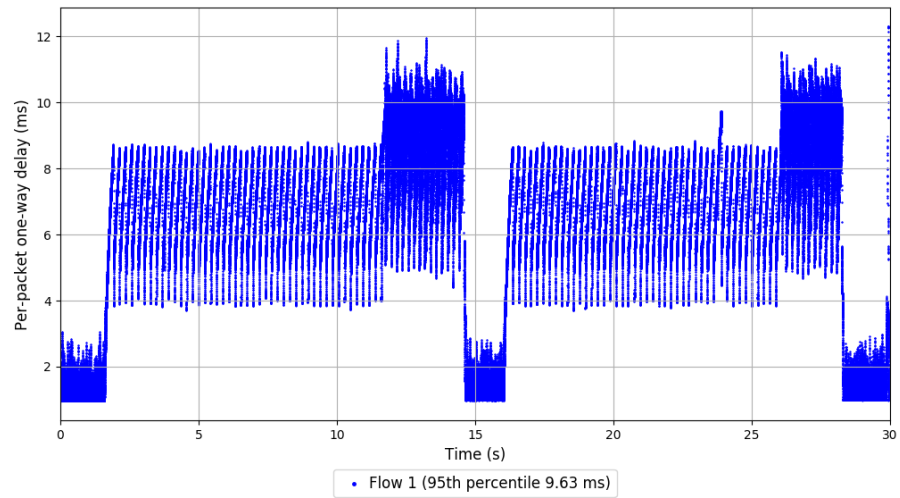
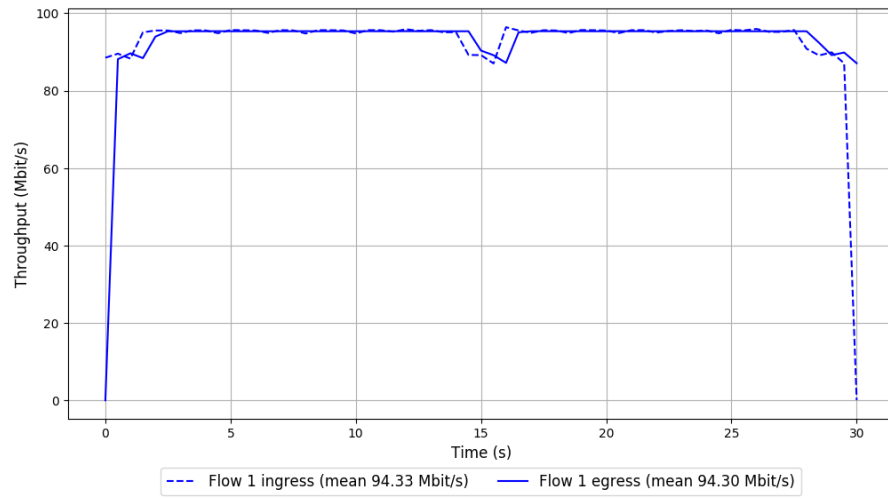


Run 2: Statistics of Copa

Start at: 2019-02-20 05:47:04
End at: 2019-02-20 05:47:34
Local clock offset: -1.237 ms
Remote clock offset: -0.777 ms

Below is generated by plot.py at 2019-02-20 07:05:25
Datalink statistics
-- Total of 1 flow:
Average throughput: 94.30 Mbit/s
95th percentile per-packet one-way delay: 9.627 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 94.30 Mbit/s
95th percentile per-packet one-way delay: 9.627 ms
Loss rate: 0.04%

Run 2: Report of Copa — Data Link

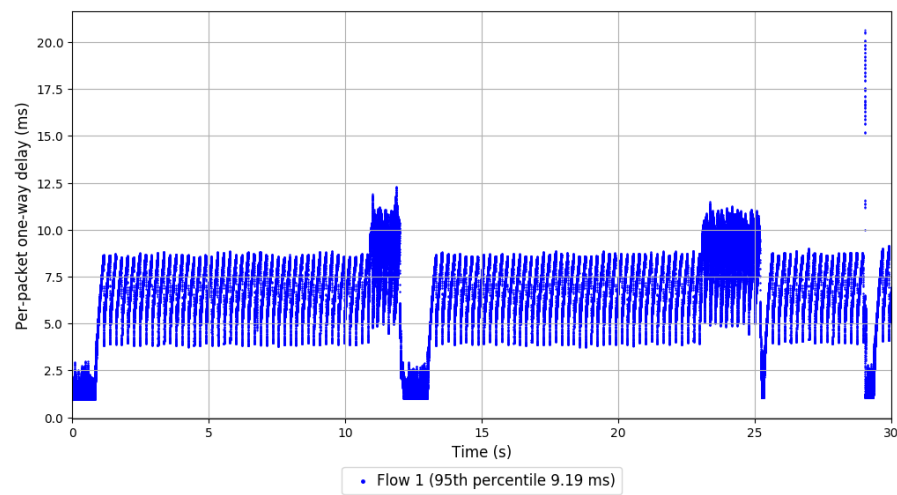
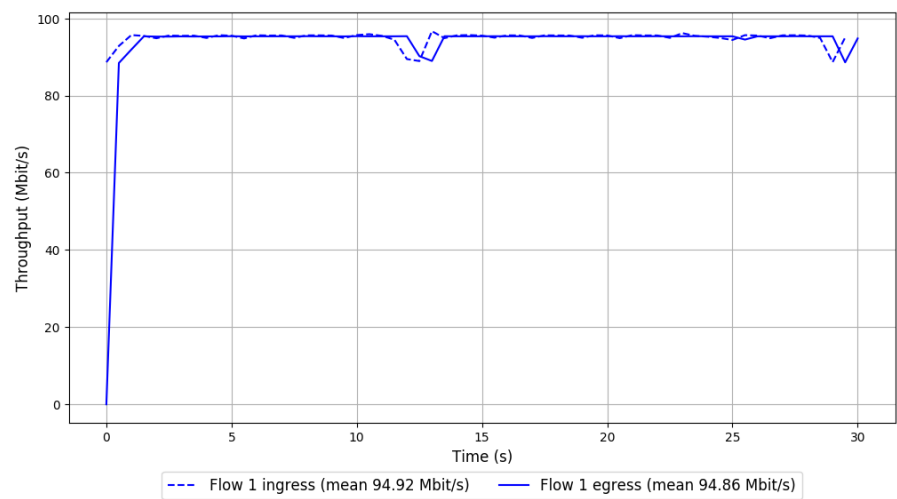


Run 3: Statistics of Copa

Start at: 2019-02-20 06:10:38
End at: 2019-02-20 06:11:08
Local clock offset: -5.419 ms
Remote clock offset: 0.158 ms

Below is generated by plot.py at 2019-02-20 07:05:26
Datalink statistics
-- Total of 1 flow:
Average throughput: 94.86 Mbit/s
95th percentile per-packet one-way delay: 9.193 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 94.86 Mbit/s
95th percentile per-packet one-way delay: 9.193 ms
Loss rate: 0.07%

Run 3: Report of Copa — Data Link



Run 4: Statistics of Copa

Start at: 2019-02-20 06:34:07

End at: 2019-02-20 06:34:37

Local clock offset: -5.378 ms

Remote clock offset: 0.772 ms

Below is generated by plot.py at 2019-02-20 07:06:30

Datalink statistics

-- Total of 1 flow:

Average throughput: 94.47 Mbit/s

95th percentile per-packet one-way delay: 8.346 ms

Loss rate: 0.07%

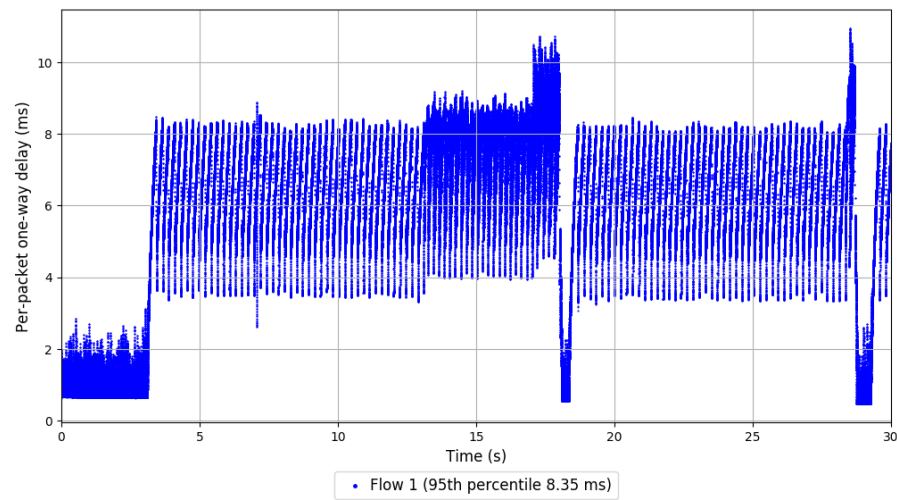
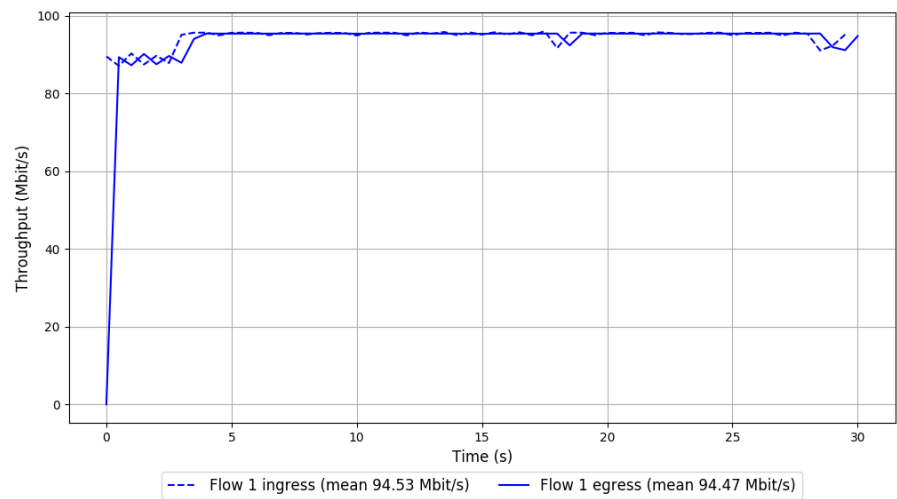
-- Flow 1:

Average throughput: 94.47 Mbit/s

95th percentile per-packet one-way delay: 8.346 ms

Loss rate: 0.07%

Run 4: Report of Copa — Data Link



Run 5: Statistics of Copa

Start at: 2019-02-20 06:57:40

End at: 2019-02-20 06:58:10

Local clock offset: -1.359 ms

Remote clock offset: 1.043 ms

Below is generated by plot.py at 2019-02-20 07:06:30

Datalink statistics

-- Total of 1 flow:

Average throughput: 93.99 Mbit/s

95th percentile per-packet one-way delay: 9.297 ms

Loss rate: 0.04%

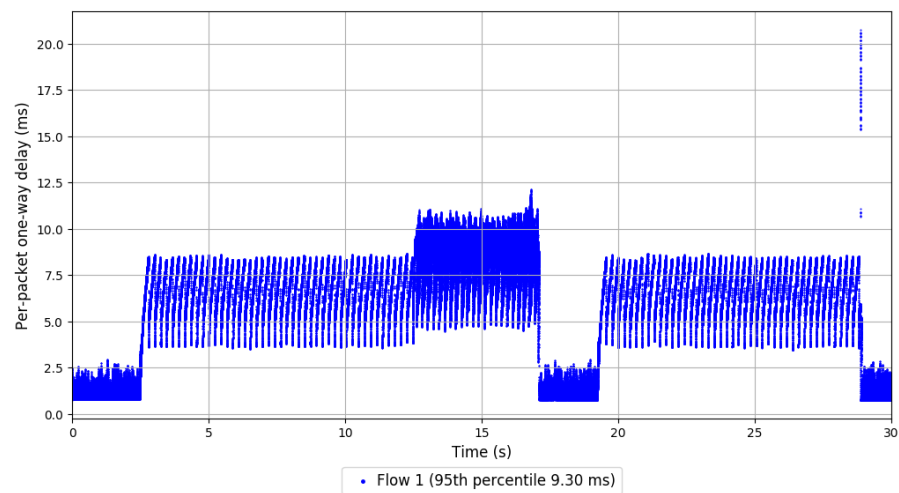
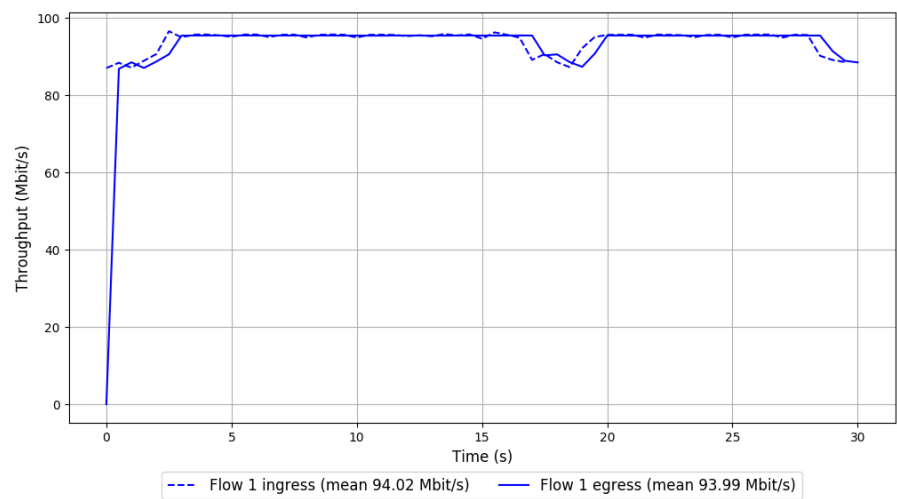
-- Flow 1:

Average throughput: 93.99 Mbit/s

95th percentile per-packet one-way delay: 9.297 ms

Loss rate: 0.04%

Run 5: Report of Copa — Data Link



Run 1: Statistics of TCP Cubic

Start at: 2019-02-20 05:05:34

End at: 2019-02-20 05:06:04

Local clock offset: -4.001 ms

Remote clock offset: -2.437 ms

Below is generated by plot.py at 2019-02-20 07:06:30

Datalink statistics

-- Total of 1 flow:

Average throughput: 97.47 Mbit/s

95th percentile per-packet one-way delay: 8.100 ms

Loss rate: 0.06%

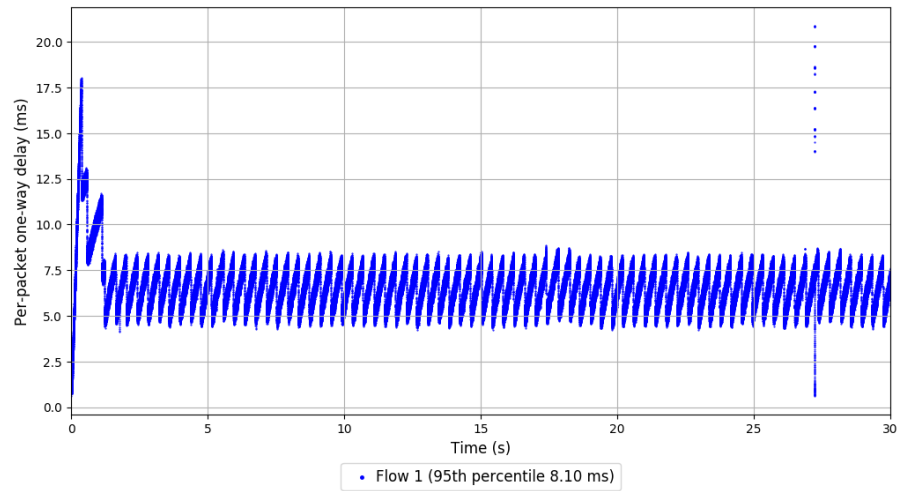
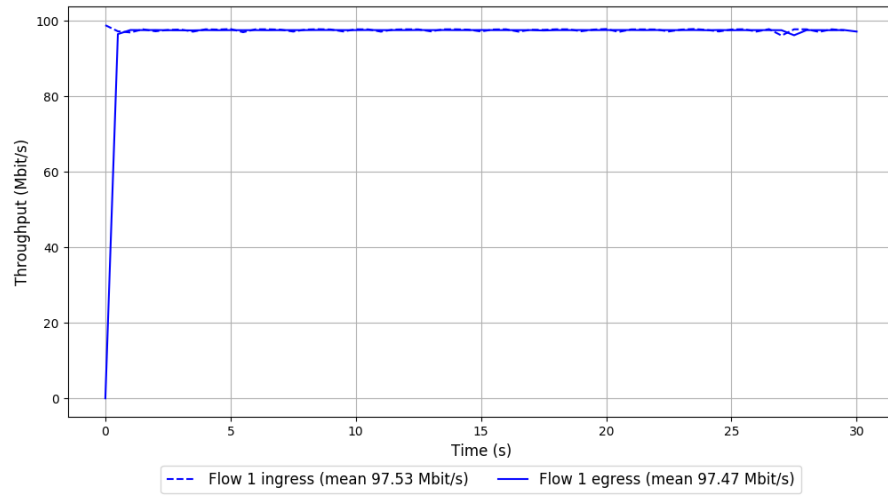
-- Flow 1:

Average throughput: 97.47 Mbit/s

95th percentile per-packet one-way delay: 8.100 ms

Loss rate: 0.06%

Run 1: Report of TCP Cubic — Data Link

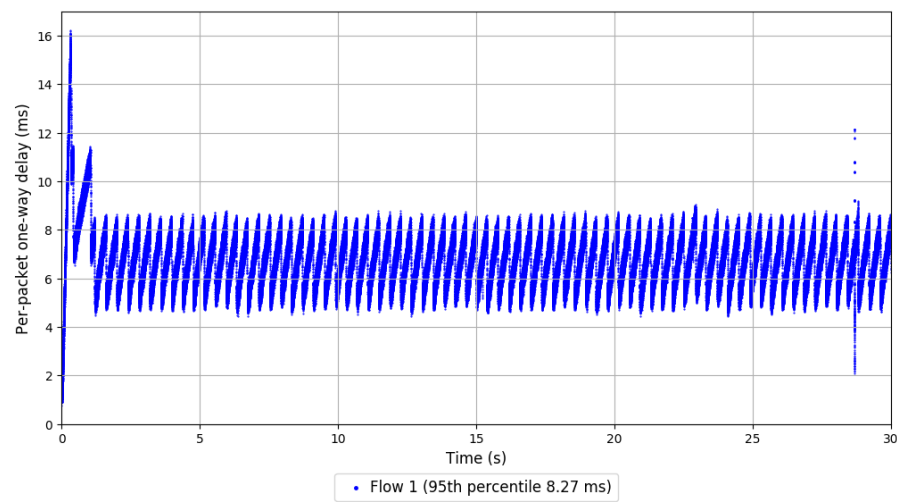
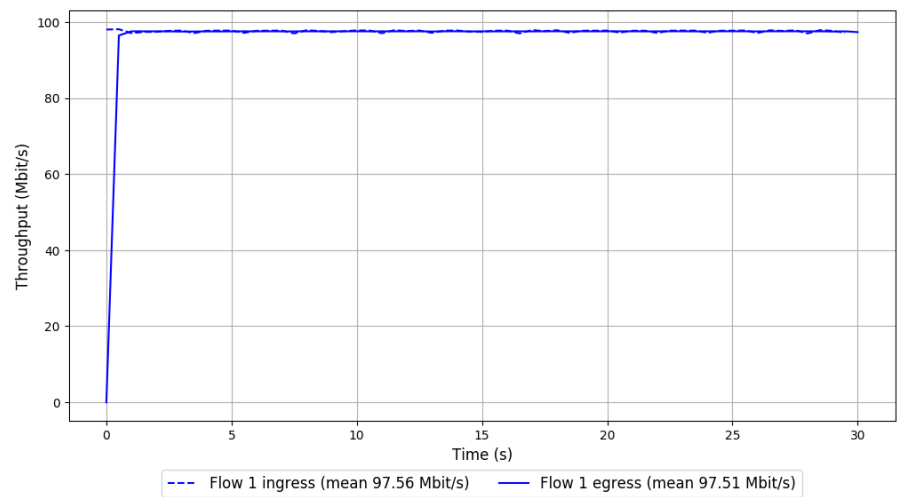


Run 2: Statistics of TCP Cubic

Start at: 2019-02-20 05:29:07
End at: 2019-02-20 05:29:37
Local clock offset: -0.695 ms
Remote clock offset: -1.585 ms

Below is generated by plot.py at 2019-02-20 07:06:30
Datalink statistics
-- Total of 1 flow:
Average throughput: 97.51 Mbit/s
95th percentile per-packet one-way delay: 8.266 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 97.51 Mbit/s
95th percentile per-packet one-way delay: 8.266 ms
Loss rate: 0.05%

Run 2: Report of TCP Cubic — Data Link

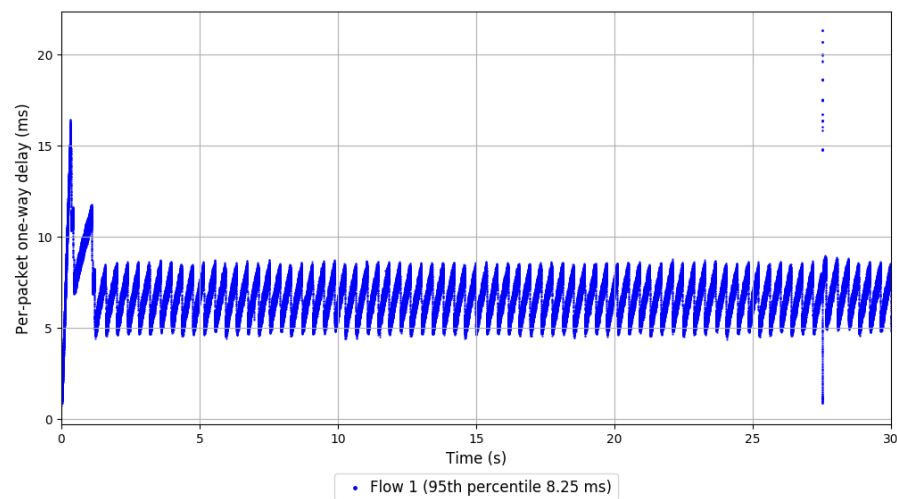
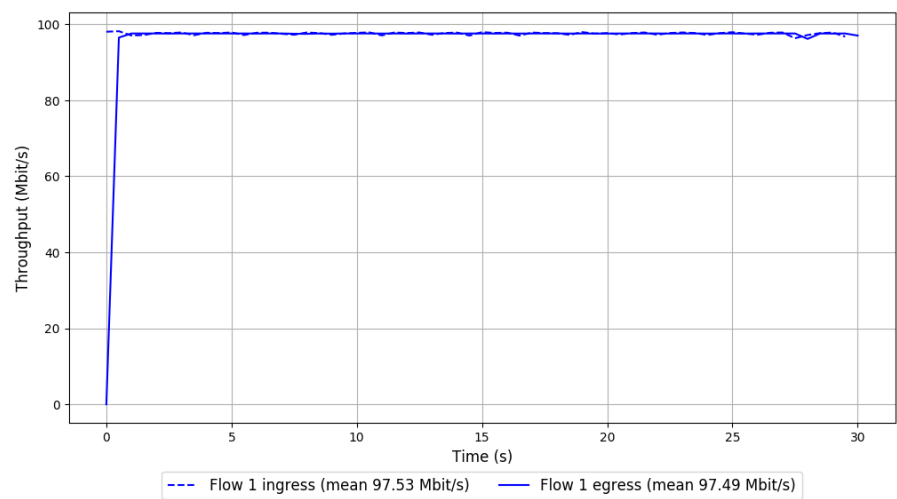


Run 3: Statistics of TCP Cubic

Start at: 2019-02-20 05:52:39
End at: 2019-02-20 05:53:09
Local clock offset: -1.152 ms
Remote clock offset: -0.468 ms

Below is generated by plot.py at 2019-02-20 07:06:30
Datalink statistics
-- Total of 1 flow:
Average throughput: 97.49 Mbit/s
95th percentile per-packet one-way delay: 8.248 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 97.49 Mbit/s
95th percentile per-packet one-way delay: 8.248 ms
Loss rate: 0.05%

Run 3: Report of TCP Cubic — Data Link



Run 4: Statistics of TCP Cubic

Start at: 2019-02-20 06:16:14

End at: 2019-02-20 06:16:44

Local clock offset: -6.452 ms

Remote clock offset: 0.254 ms

Below is generated by plot.py at 2019-02-20 07:06:31

Datalink statistics

-- Total of 1 flow:

Average throughput: 97.51 Mbit/s

95th percentile per-packet one-way delay: 8.435 ms

Loss rate: 0.06%

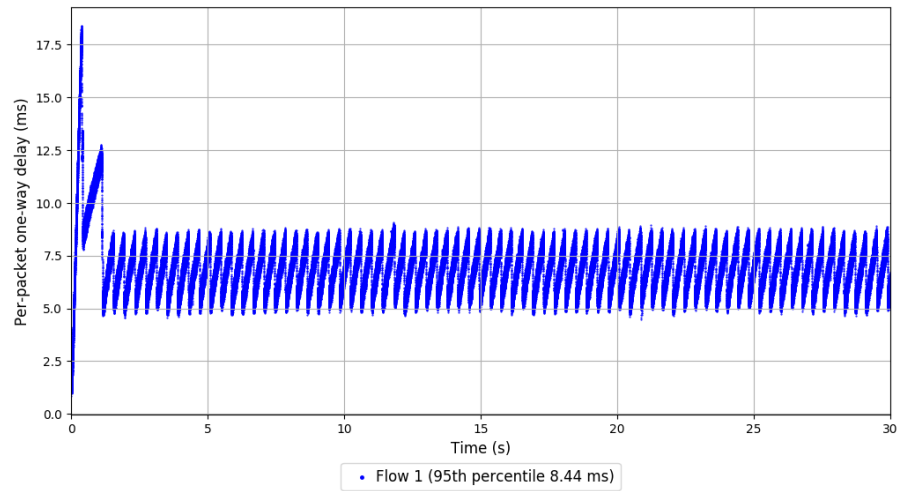
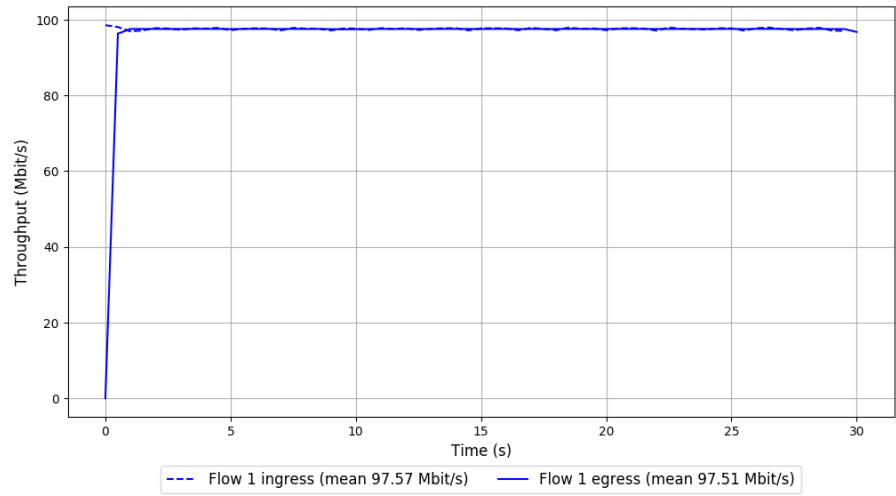
-- Flow 1:

Average throughput: 97.51 Mbit/s

95th percentile per-packet one-way delay: 8.435 ms

Loss rate: 0.06%

Run 4: Report of TCP Cubic — Data Link



Run 5: Statistics of TCP Cubic

Start at: 2019-02-20 06:39:43

End at: 2019-02-20 06:40:13

Local clock offset: -3.58 ms

Remote clock offset: 0.862 ms

Below is generated by plot.py at 2019-02-20 07:06:32

Datalink statistics

-- Total of 1 flow:

Average throughput: 97.51 Mbit/s

95th percentile per-packet one-way delay: 8.098 ms

Loss rate: 0.06%

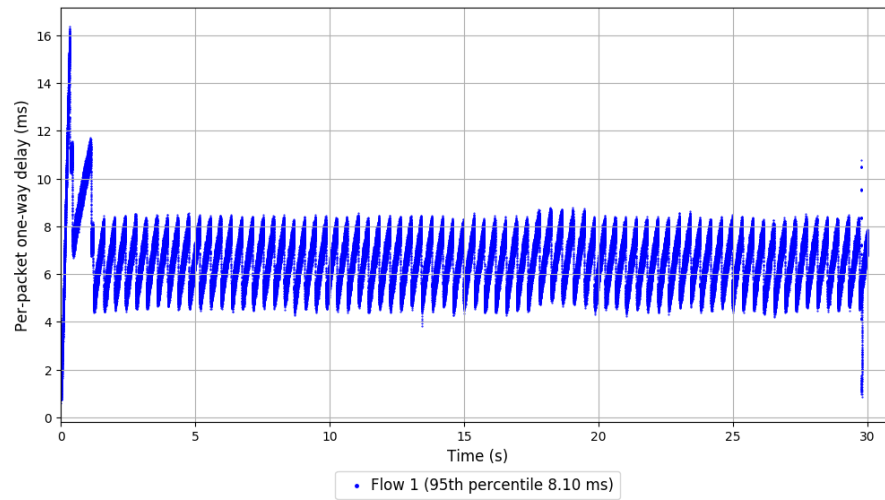
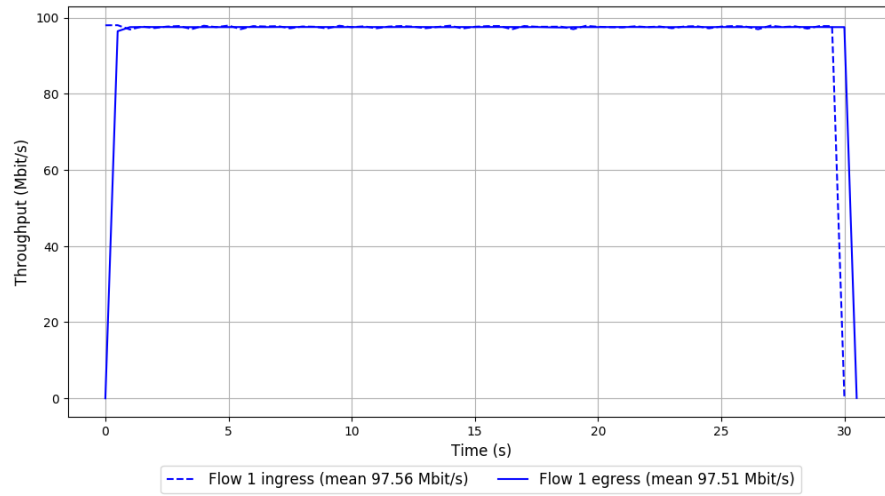
-- Flow 1:

Average throughput: 97.51 Mbit/s

95th percentile per-packet one-way delay: 8.098 ms

Loss rate: 0.06%

Run 5: Report of TCP Cubic — Data Link

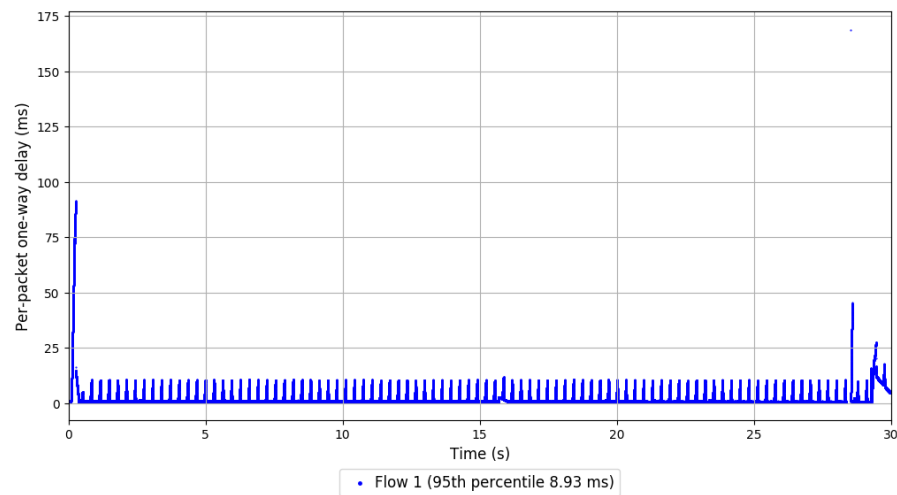
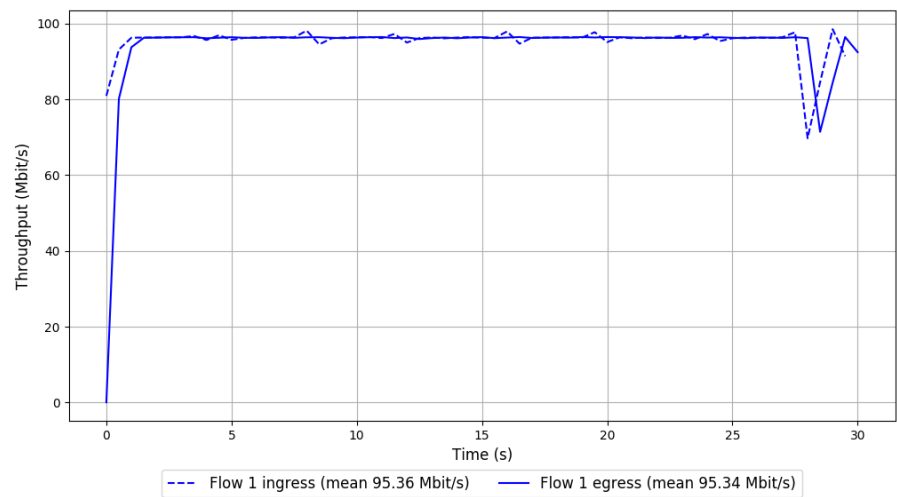


Run 1: Statistics of FillP

Start at: 2019-02-20 05:07:50
End at: 2019-02-20 05:08:20
Local clock offset: -3.323 ms
Remote clock offset: -2.451 ms

Below is generated by plot.py at 2019-02-20 07:06:52
Datalink statistics
-- Total of 1 flow:
Average throughput: 95.34 Mbit/s
95th percentile per-packet one-way delay: 8.933 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 95.34 Mbit/s
95th percentile per-packet one-way delay: 8.933 ms
Loss rate: 0.02%

Run 1: Report of FillP — Data Link

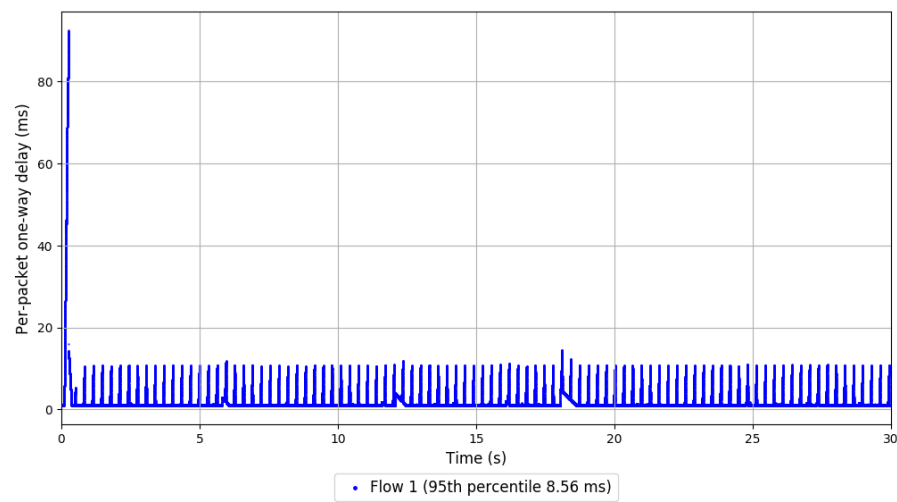
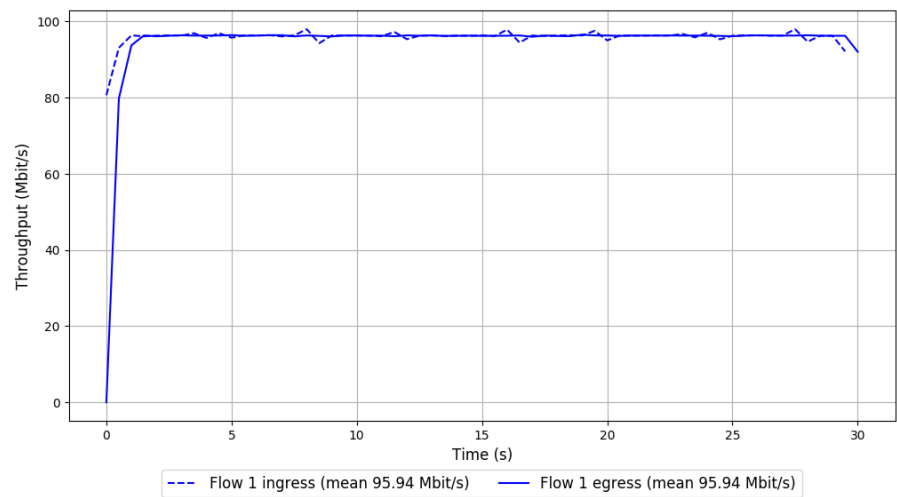


Run 2: Statistics of FillP

Start at: 2019-02-20 05:31:23
End at: 2019-02-20 05:31:53
Local clock offset: -0.744 ms
Remote clock offset: -1.498 ms

Below is generated by plot.py at 2019-02-20 07:06:58
Datalink statistics
-- Total of 1 flow:
Average throughput: 95.94 Mbit/s
95th percentile per-packet one-way delay: 8.556 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 95.94 Mbit/s
95th percentile per-packet one-way delay: 8.556 ms
Loss rate: 0.01%

Run 2: Report of FillP — Data Link

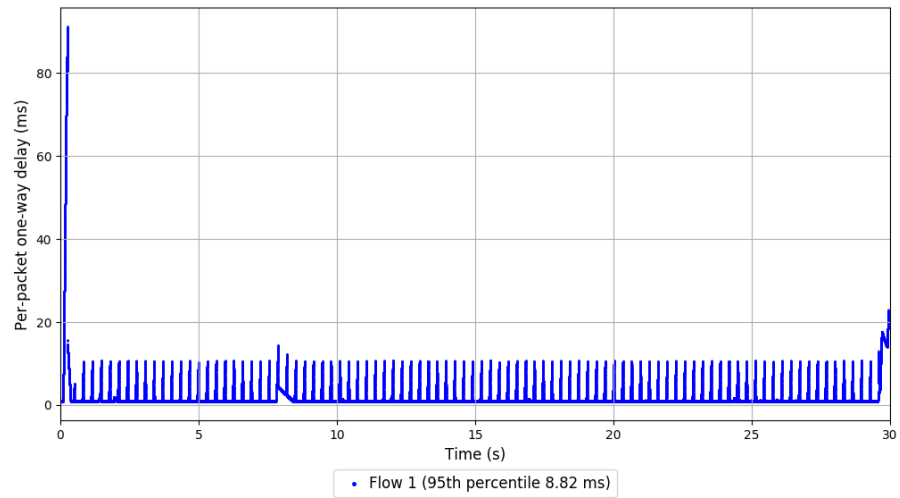
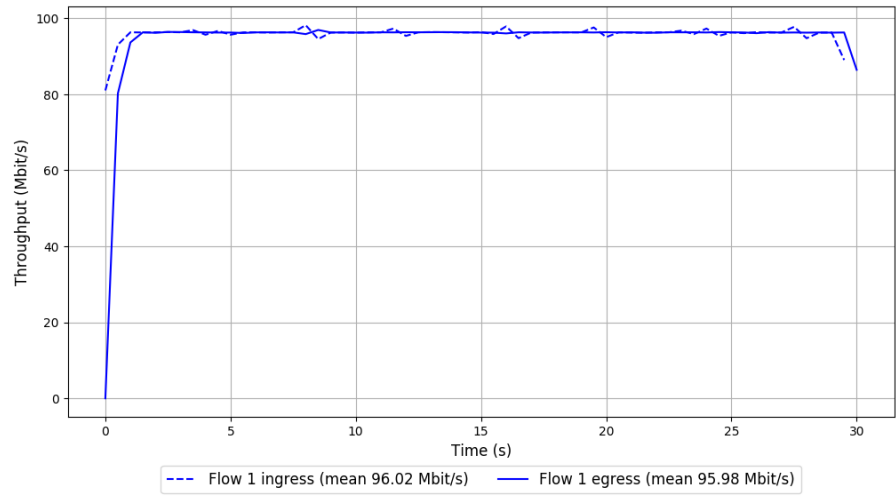


Run 3: Statistics of FillP

Start at: 2019-02-20 05:54:55
End at: 2019-02-20 05:55:25
Local clock offset: -1.102 ms
Remote clock offset: -0.399 ms

Below is generated by plot.py at 2019-02-20 07:06:58
Datalink statistics
-- Total of 1 flow:
Average throughput: 95.98 Mbit/s
95th percentile per-packet one-way delay: 8.819 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 95.98 Mbit/s
95th percentile per-packet one-way delay: 8.819 ms
Loss rate: 0.05%

Run 3: Report of FillP — Data Link



Run 4: Statistics of FillP

Start at: 2019-02-20 06:18:30

End at: 2019-02-20 06:19:00

Local clock offset: -6.712 ms

Remote clock offset: 0.385 ms

Below is generated by plot.py at 2019-02-20 07:06:58

Datalink statistics

-- Total of 1 flow:

Average throughput: 95.94 Mbit/s

95th percentile per-packet one-way delay: 8.449 ms

Loss rate: 0.02%

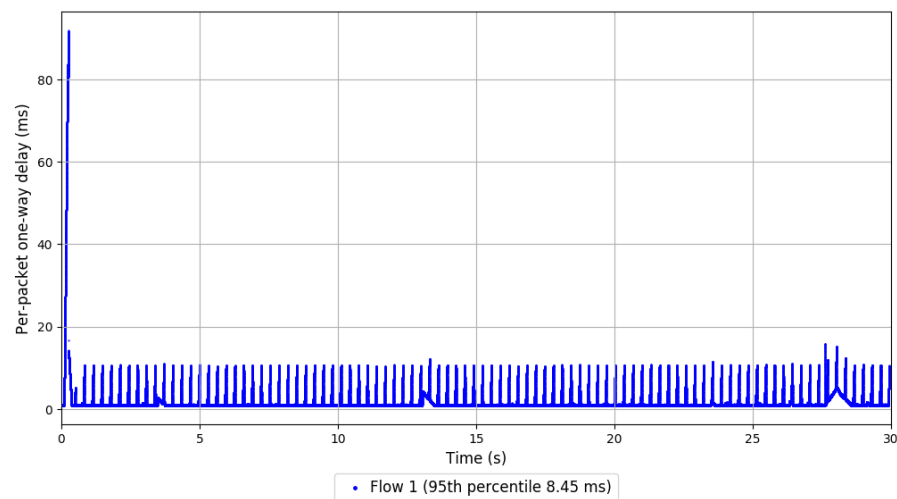
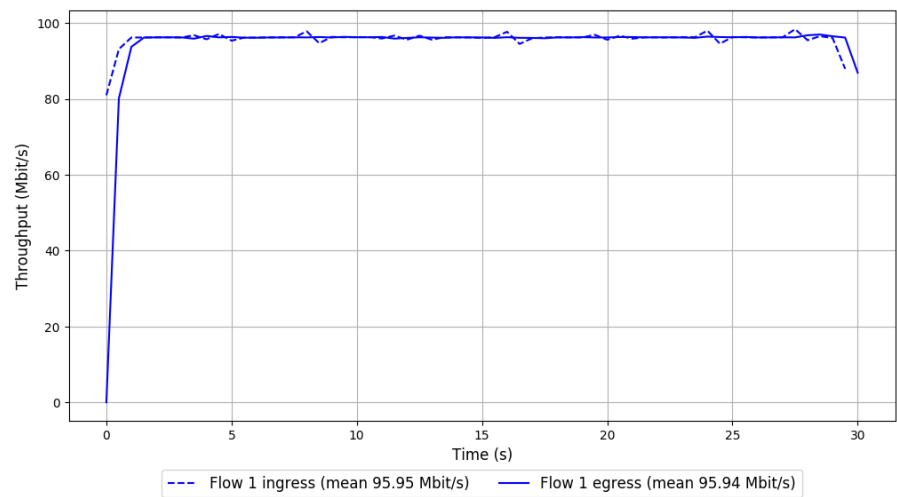
-- Flow 1:

Average throughput: 95.94 Mbit/s

95th percentile per-packet one-way delay: 8.449 ms

Loss rate: 0.02%

Run 4: Report of FillP — Data Link



Run 5: Statistics of FillP

Start at: 2019-02-20 06:41:59

End at: 2019-02-20 06:42:29

Local clock offset: -3.067 ms

Remote clock offset: 0.947 ms

Below is generated by plot.py at 2019-02-20 07:07:24

Datalink statistics

-- Total of 1 flow:

Average throughput: 63.91 Mbit/s

95th percentile per-packet one-way delay: 8.295 ms

Loss rate: 0.01%

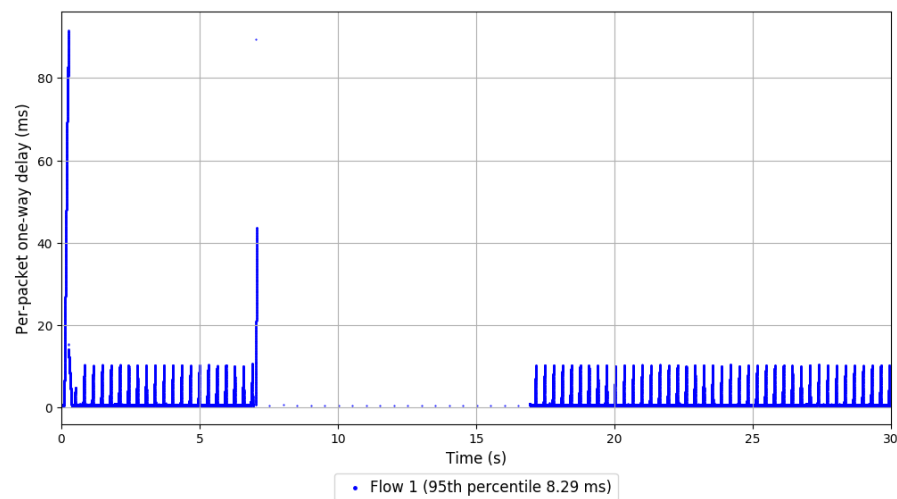
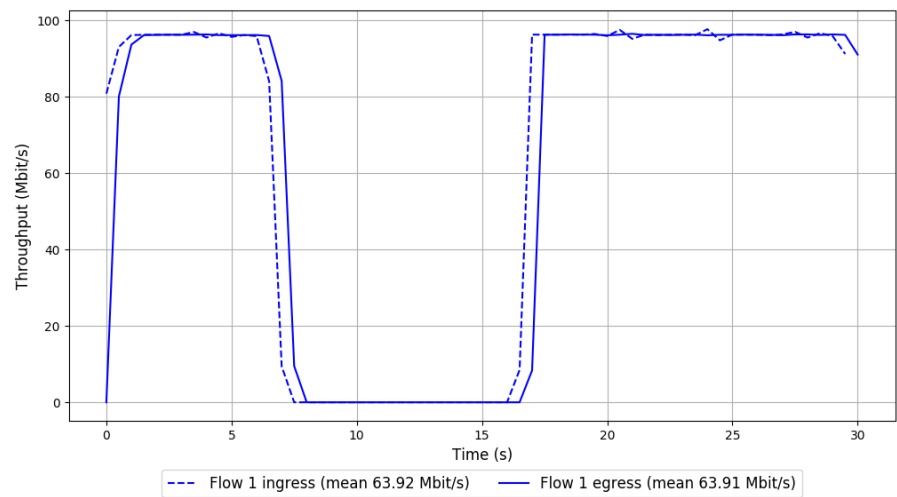
-- Flow 1:

Average throughput: 63.91 Mbit/s

95th percentile per-packet one-way delay: 8.295 ms

Loss rate: 0.01%

Run 5: Report of FillP — Data Link

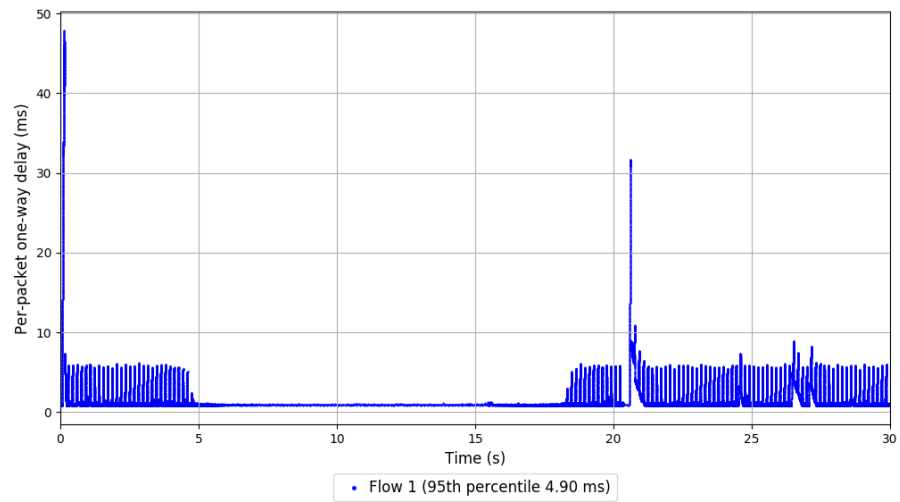
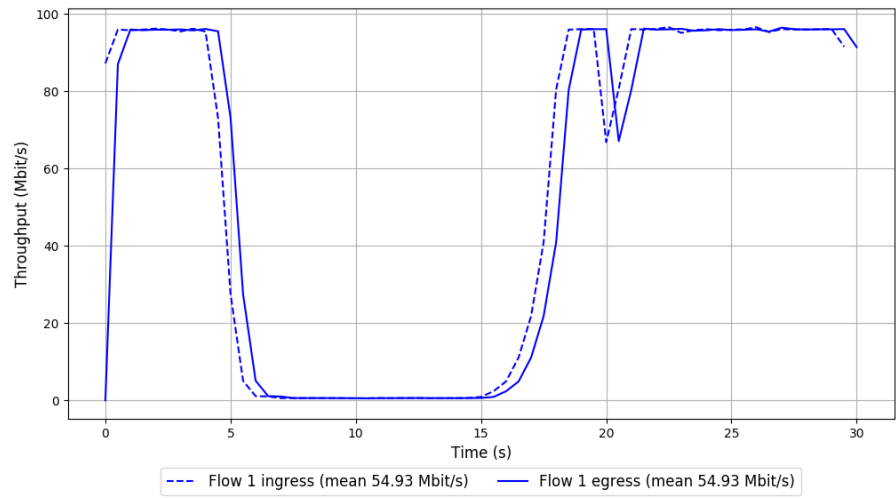


Run 1: Statistics of FillP-Sheep

Start at: 2019-02-20 05:20:10
End at: 2019-02-20 05:20:40
Local clock offset: -1.367 ms
Remote clock offset: -1.977 ms

Below is generated by plot.py at 2019-02-20 07:07:24
Datalink statistics
-- Total of 1 flow:
Average throughput: 54.93 Mbit/s
95th percentile per-packet one-way delay: 4.902 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 54.93 Mbit/s
95th percentile per-packet one-way delay: 4.902 ms
Loss rate: 0.01%

Run 1: Report of FillP-Sheep — Data Link

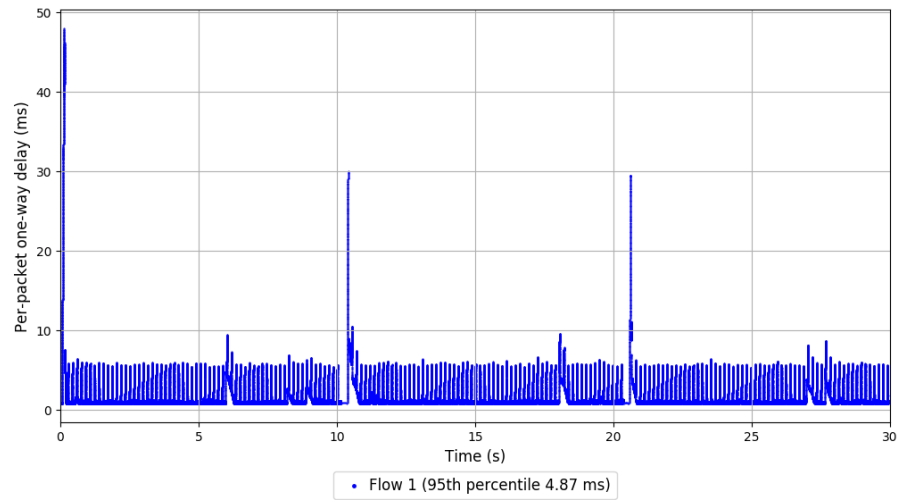
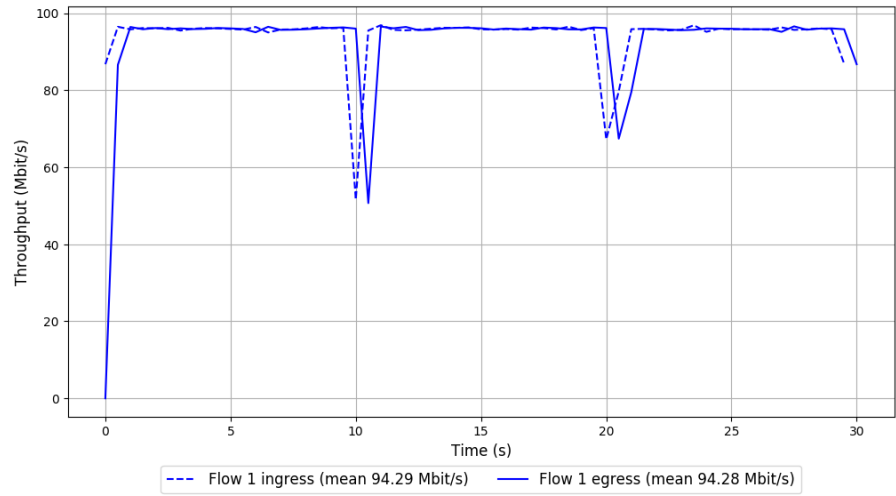


Run 2: Statistics of FillP-Sheep

Start at: 2019-02-20 05:43:43
End at: 2019-02-20 05:44:13
Local clock offset: -1.266 ms
Remote clock offset: -0.847 ms

Below is generated by plot.py at 2019-02-20 07:07:56
Datalink statistics
-- Total of 1 flow:
Average throughput: 94.28 Mbit/s
95th percentile per-packet one-way delay: 4.867 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 94.28 Mbit/s
95th percentile per-packet one-way delay: 4.867 ms
Loss rate: 0.01%

Run 2: Report of FillP-Sheep — Data Link



Run 3: Statistics of FillP-Sheep

Start at: 2019-02-20 06:07:16

End at: 2019-02-20 06:07:46

Local clock offset: -4.473 ms

Remote clock offset: 0.061 ms

Below is generated by plot.py at 2019-02-20 07:07:57

Datalink statistics

-- Total of 1 flow:

Average throughput: 94.31 Mbit/s

95th percentile per-packet one-way delay: 4.985 ms

Loss rate: 0.01%

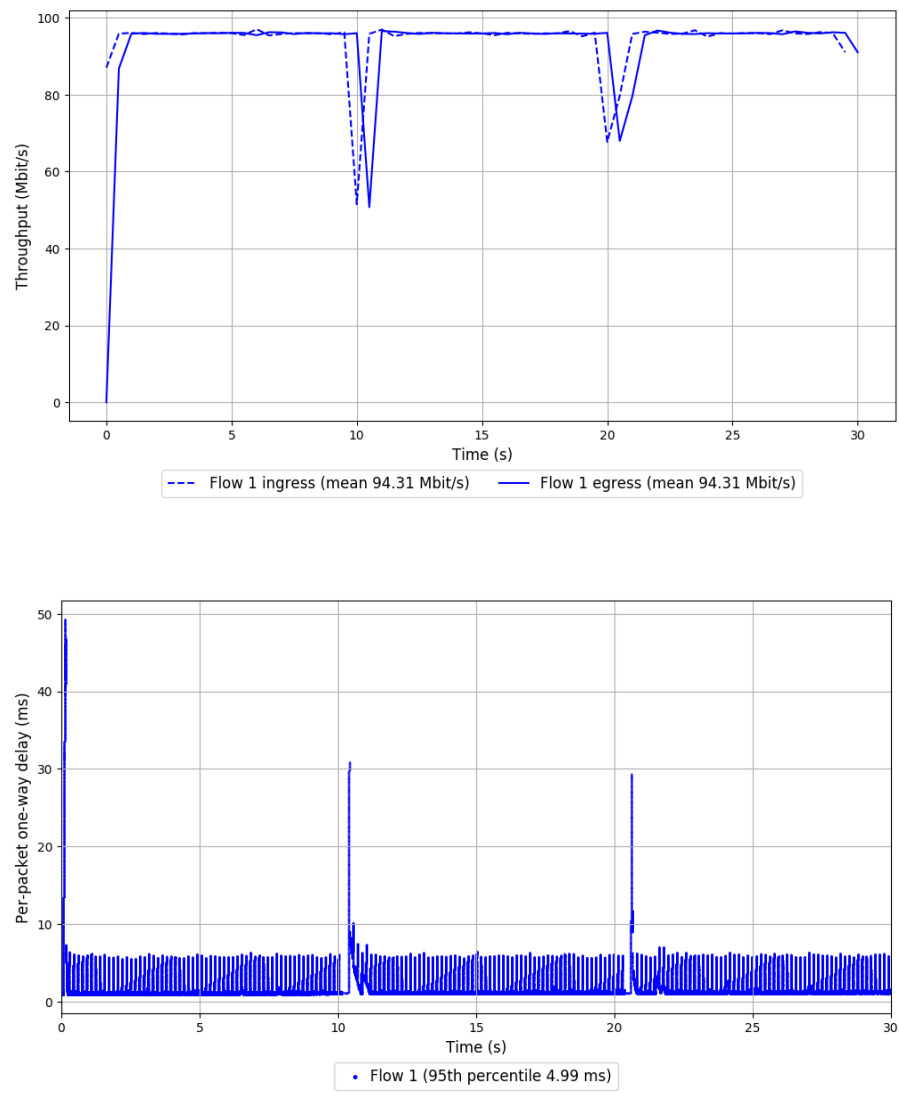
-- Flow 1:

Average throughput: 94.31 Mbit/s

95th percentile per-packet one-way delay: 4.985 ms

Loss rate: 0.01%

Run 3: Report of FillP-Sheep — Data Link



Run 4: Statistics of FillP-Sheep

Start at: 2019-02-20 06:30:45

End at: 2019-02-20 06:31:15

Local clock offset: -7.042 ms

Remote clock offset: 0.648 ms

Below is generated by plot.py at 2019-02-20 07:08:14

Datalink statistics

-- Total of 1 flow:

Average throughput: 94.44 Mbit/s

95th percentile per-packet one-way delay: 4.326 ms

Loss rate: 0.01%

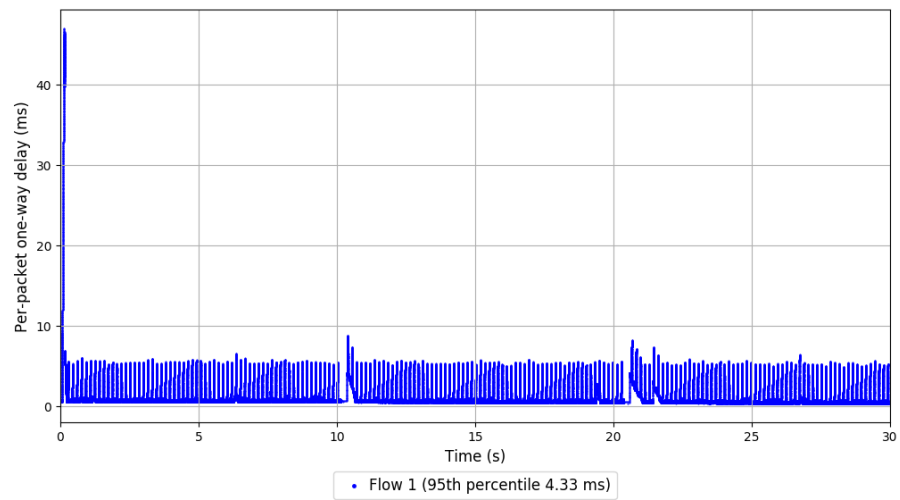
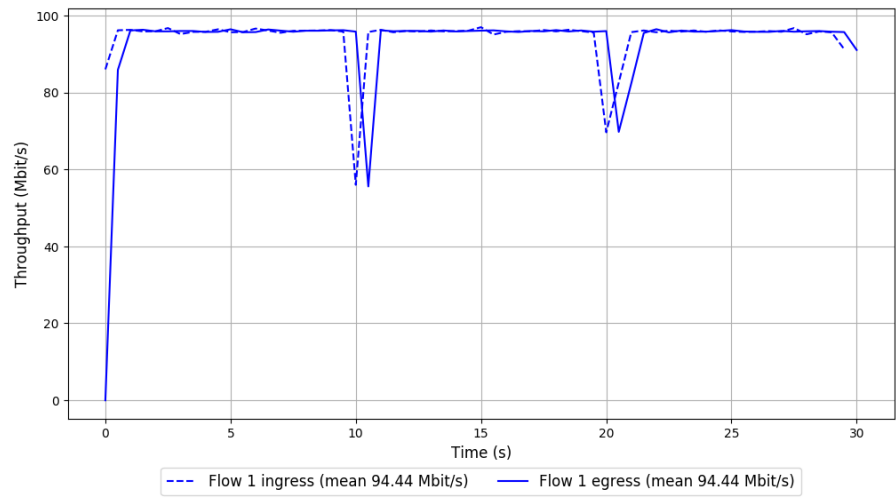
-- Flow 1:

Average throughput: 94.44 Mbit/s

95th percentile per-packet one-way delay: 4.326 ms

Loss rate: 0.01%

Run 4: Report of FillP-Sheep — Data Link



Run 5: Statistics of FillP-Sheep

Start at: 2019-02-20 06:54:18

End at: 2019-02-20 06:54:48

Local clock offset: -1.523 ms

Remote clock offset: 1.006 ms

Below is generated by plot.py at 2019-02-20 07:08:22

Datalink statistics

-- Total of 1 flow:

Average throughput: 94.42 Mbit/s

95th percentile per-packet one-way delay: 4.723 ms

Loss rate: 0.01%

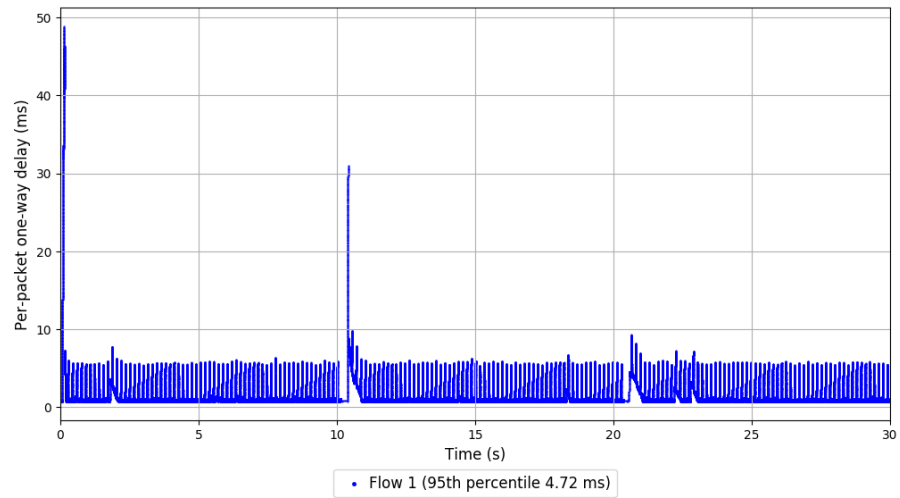
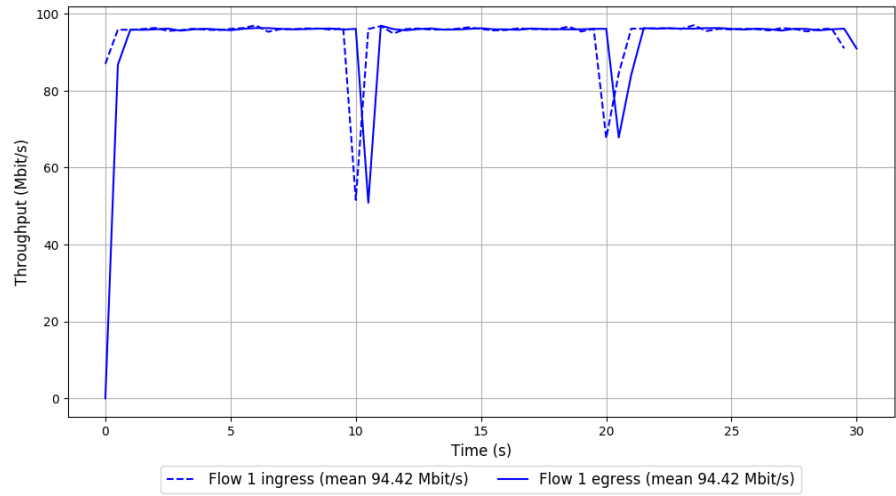
-- Flow 1:

Average throughput: 94.42 Mbit/s

95th percentile per-packet one-way delay: 4.723 ms

Loss rate: 0.01%

Run 5: Report of FillP-Sheep — Data Link

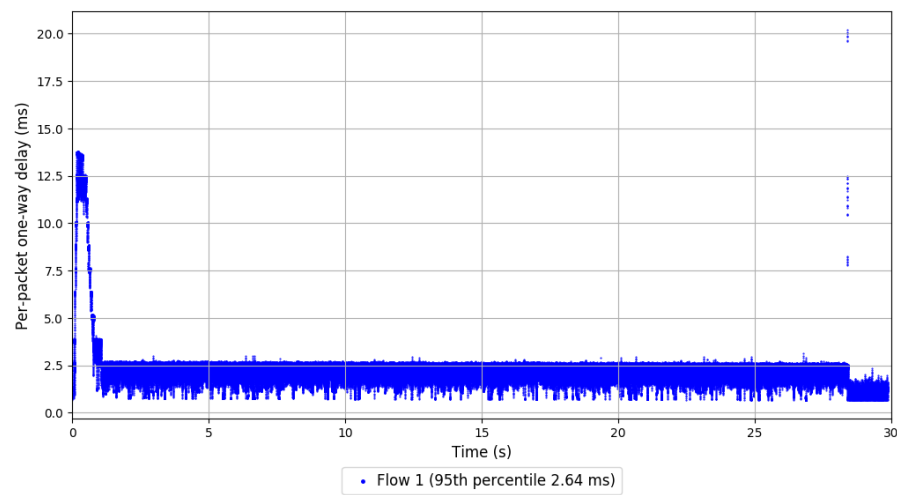
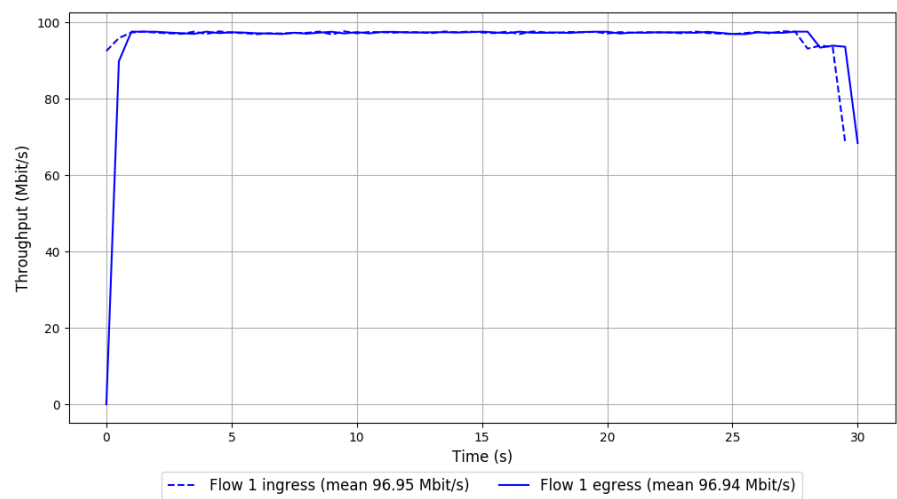


Run 1: Statistics of Indigo

Start at: 2019-02-20 05:08:57
End at: 2019-02-20 05:09:27
Local clock offset: -3.105 ms
Remote clock offset: -2.369 ms

Below is generated by plot.py at 2019-02-20 07:08:22
Datalink statistics
-- Total of 1 flow:
Average throughput: 96.94 Mbit/s
95th percentile per-packet one-way delay: 2.638 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 96.94 Mbit/s
95th percentile per-packet one-way delay: 2.638 ms
Loss rate: 0.01%

Run 1: Report of Indigo — Data Link

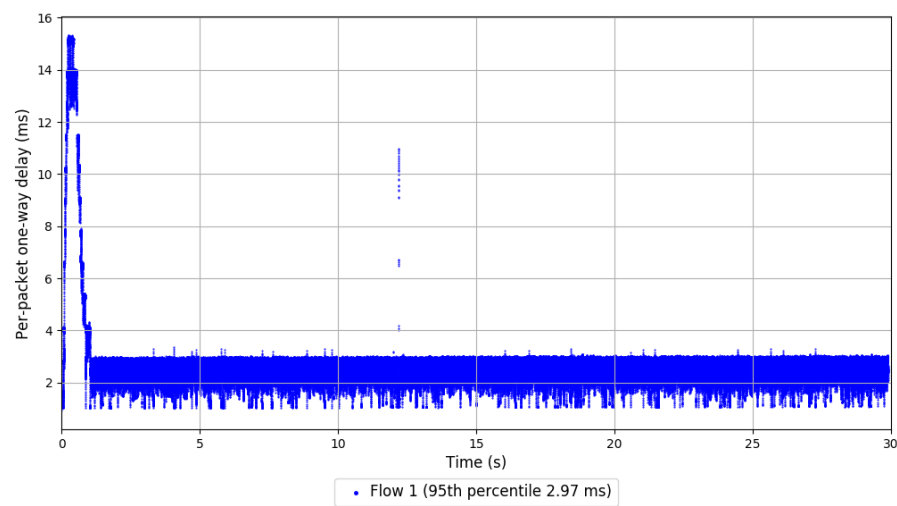
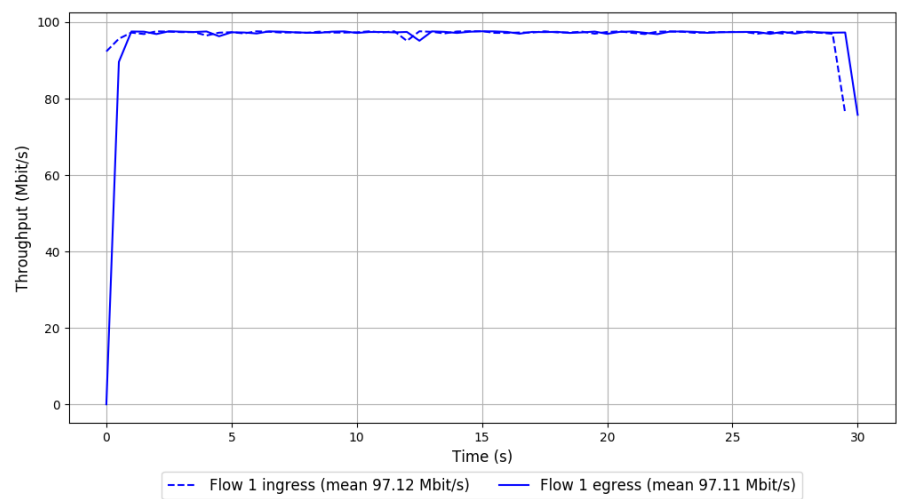


Run 2: Statistics of Indigo

Start at: 2019-02-20 05:32:30
End at: 2019-02-20 05:33:01
Local clock offset: -0.908 ms
Remote clock offset: -1.428 ms

Below is generated by plot.py at 2019-02-20 07:08:22
Datalink statistics
-- Total of 1 flow:
Average throughput: 97.11 Mbit/s
95th percentile per-packet one-way delay: 2.974 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 97.11 Mbit/s
95th percentile per-packet one-way delay: 2.974 ms
Loss rate: 0.01%

Run 2: Report of Indigo — Data Link

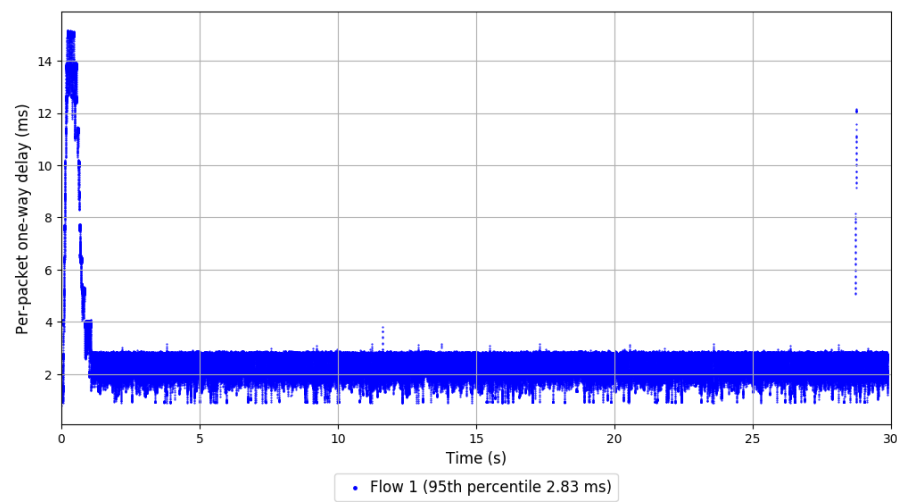
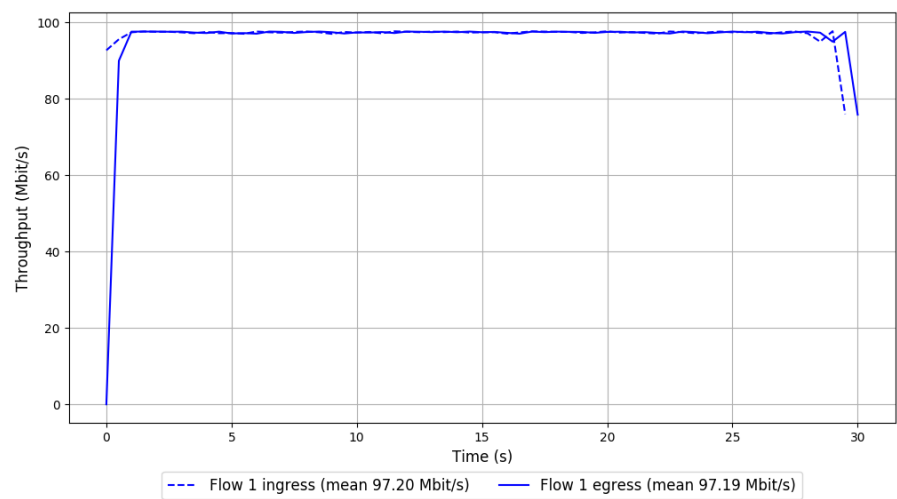


Run 3: Statistics of Indigo

Start at: 2019-02-20 05:56:03
End at: 2019-02-20 05:56:33
Local clock offset: -1.051 ms
Remote clock offset: -0.332 ms

Below is generated by plot.py at 2019-02-20 07:08:30
Datalink statistics
-- Total of 1 flow:
Average throughput: 97.19 Mbit/s
95th percentile per-packet one-way delay: 2.828 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 97.19 Mbit/s
95th percentile per-packet one-way delay: 2.828 ms
Loss rate: 0.01%

Run 3: Report of Indigo — Data Link



Run 4: Statistics of Indigo

Start at: 2019-02-20 06:19:38

End at: 2019-02-20 06:20:08

Local clock offset: -6.892 ms

Remote clock offset: 0.408 ms

Below is generated by plot.py at 2019-02-20 07:08:38

Datalink statistics

-- Total of 1 flow:

Average throughput: 97.19 Mbit/s

95th percentile per-packet one-way delay: 2.861 ms

Loss rate: 0.01%

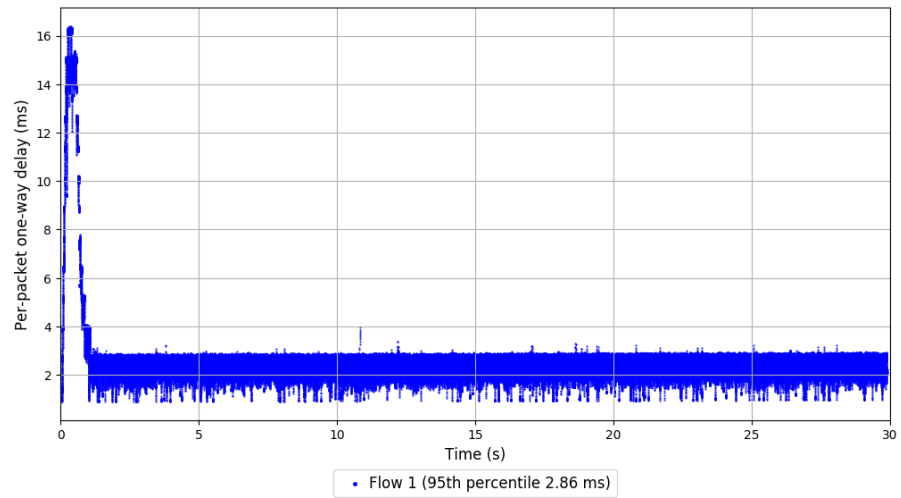
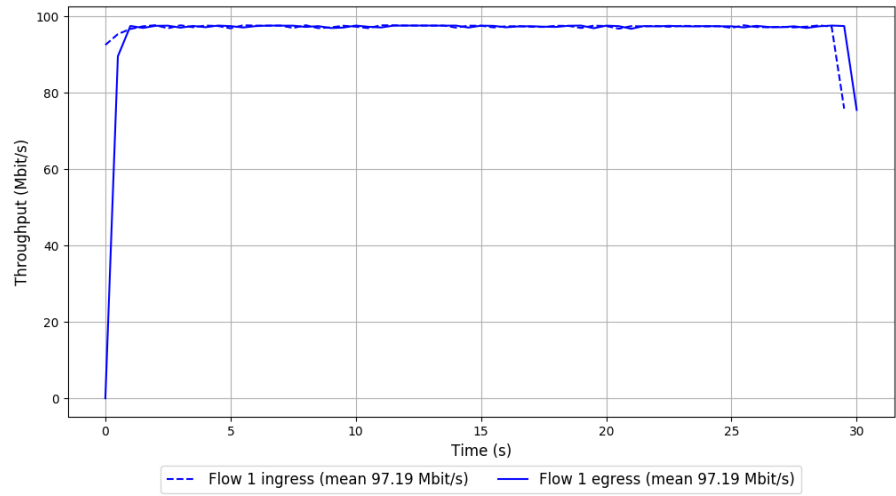
-- Flow 1:

Average throughput: 97.19 Mbit/s

95th percentile per-packet one-way delay: 2.861 ms

Loss rate: 0.01%

Run 4: Report of Indigo — Data Link



Run 5: Statistics of Indigo

Start at: 2019-02-20 06:43:05

End at: 2019-02-20 06:43:35

Local clock offset: -2.793 ms

Remote clock offset: 0.962 ms

Below is generated by plot.py at 2019-02-20 07:09:06

Datalink statistics

-- Total of 1 flow:

Average throughput: 97.12 Mbit/s

95th percentile per-packet one-way delay: 2.696 ms

Loss rate: 0.01%

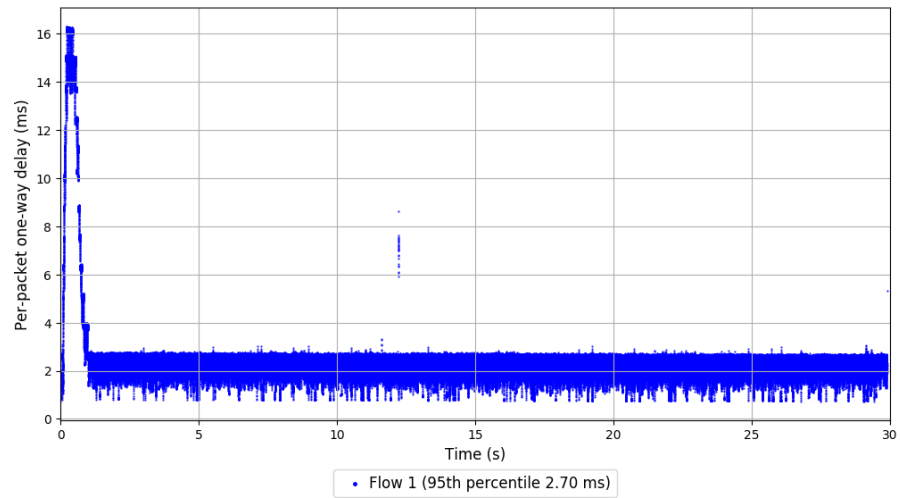
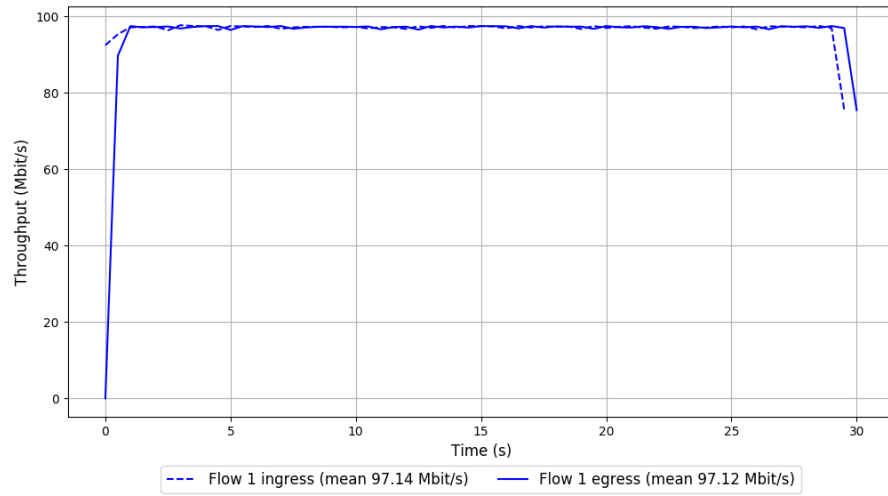
-- Flow 1:

Average throughput: 97.12 Mbit/s

95th percentile per-packet one-way delay: 2.696 ms

Loss rate: 0.01%

Run 5: Report of Indigo — Data Link



Run 1: Statistics of Indigo-MusesC3

Start at: 2019-02-20 05:21:16

End at: 2019-02-20 05:21:46

Local clock offset: -1.28 ms

Remote clock offset: -1.887 ms

Below is generated by plot.py at 2019-02-20 07:09:06

Datalink statistics

-- Total of 1 flow:

Average throughput: 85.80 Mbit/s

95th percentile per-packet one-way delay: 2.560 ms

Loss rate: 0.01%

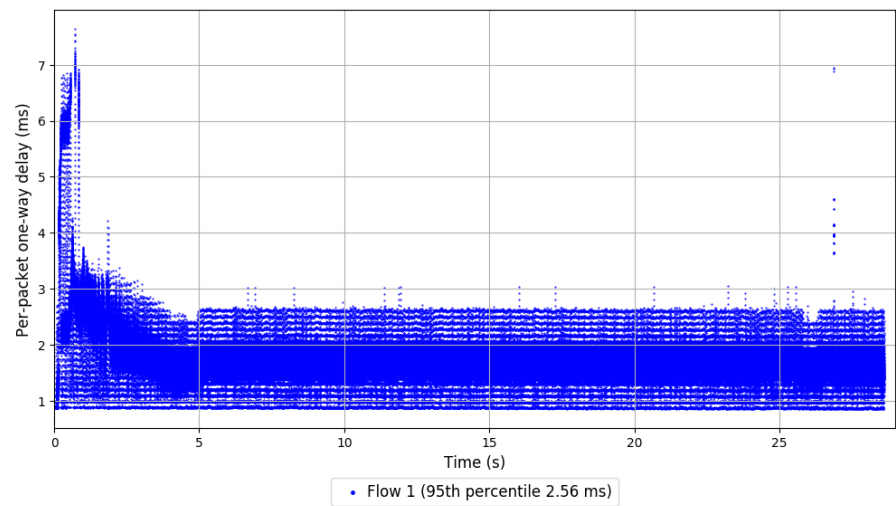
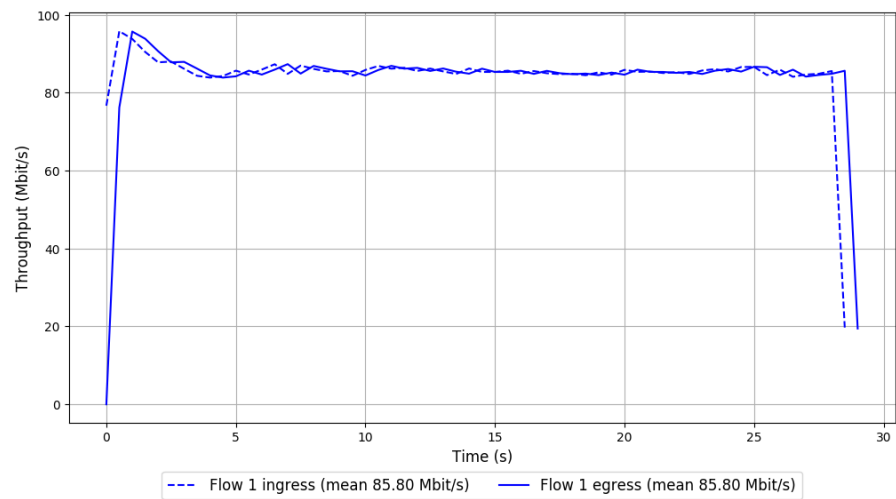
-- Flow 1:

Average throughput: 85.80 Mbit/s

95th percentile per-packet one-way delay: 2.560 ms

Loss rate: 0.01%

Run 1: Report of Indigo-MusesC3 — Data Link

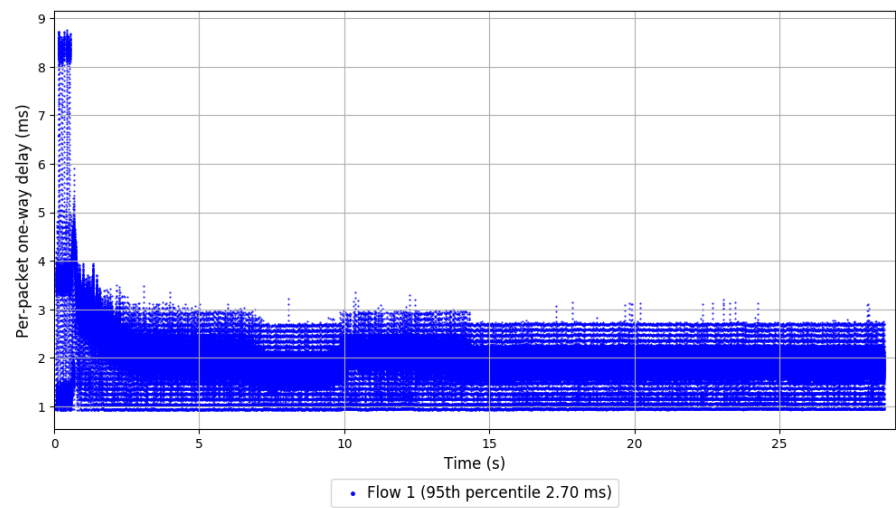
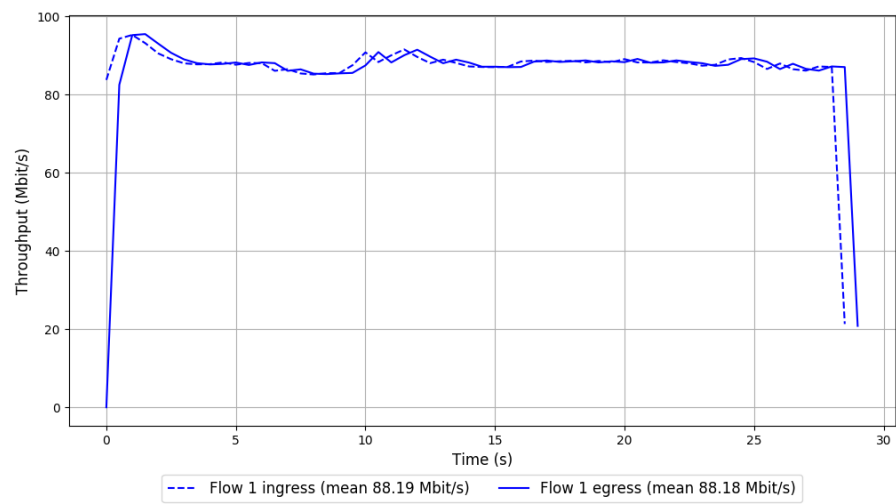


Run 2: Statistics of Indigo-MusesC3

Start at: 2019-02-20 05:44:50
End at: 2019-02-20 05:45:21
Local clock offset: -1.332 ms
Remote clock offset: -0.895 ms

Below is generated by plot.py at 2019-02-20 07:09:10
Datalink statistics
-- Total of 1 flow:
Average throughput: 88.18 Mbit/s
95th percentile per-packet one-way delay: 2.703 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 88.18 Mbit/s
95th percentile per-packet one-way delay: 2.703 ms
Loss rate: 0.01%

Run 2: Report of Indigo-MusesC3 — Data Link



Run 3: Statistics of Indigo-MusesC3

Start at: 2019-02-20 06:08:23

End at: 2019-02-20 06:08:53

Local clock offset: -4.918 ms

Remote clock offset: 0.039 ms

Below is generated by plot.py at 2019-02-20 07:09:10

Datalink statistics

-- Total of 1 flow:

Average throughput: 87.07 Mbit/s

95th percentile per-packet one-way delay: 2.730 ms

Loss rate: 0.00%

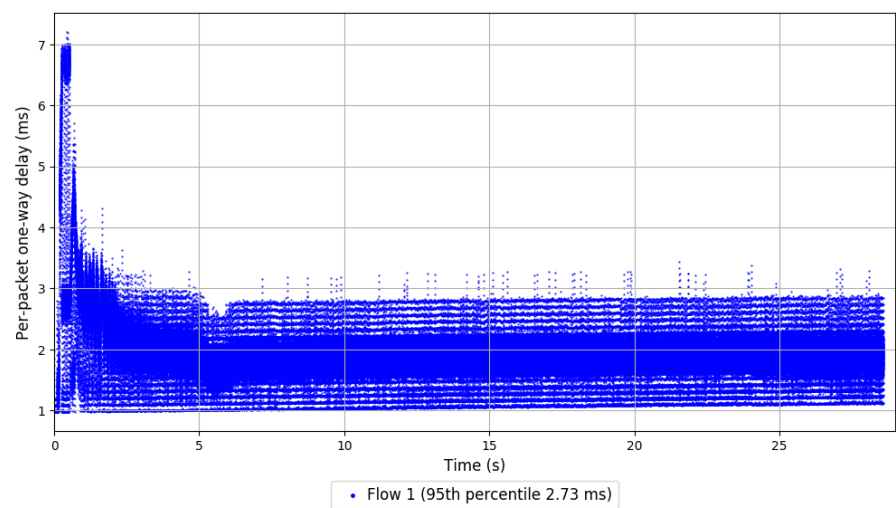
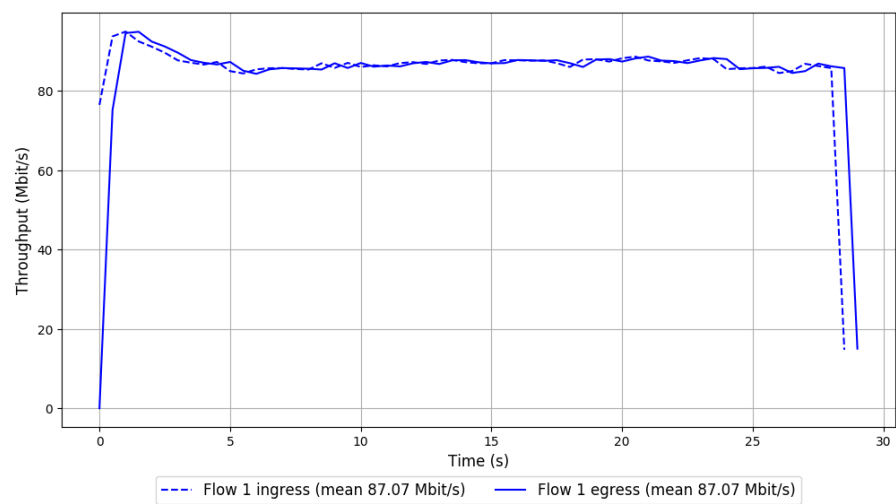
-- Flow 1:

Average throughput: 87.07 Mbit/s

95th percentile per-packet one-way delay: 2.730 ms

Loss rate: 0.00%

Run 3: Report of Indigo-MusesC3 — Data Link



Run 4: Statistics of Indigo-MusesC3

Start at: 2019-02-20 06:31:52

End at: 2019-02-20 06:32:22

Local clock offset: -6.543 ms

Remote clock offset: 0.722 ms

Below is generated by plot.py at 2019-02-20 07:09:17

Datalink statistics

-- Total of 1 flow:

Average throughput: 85.11 Mbit/s

95th percentile per-packet one-way delay: 2.136 ms

Loss rate: 0.01%

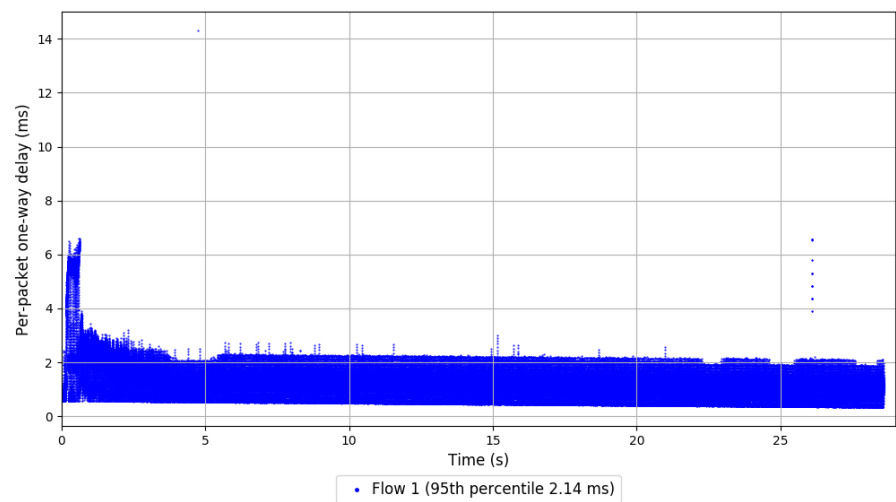
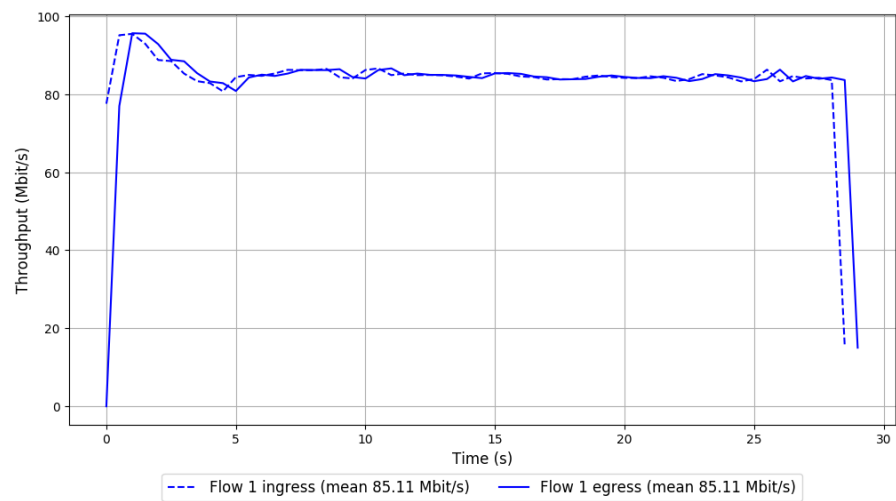
-- Flow 1:

Average throughput: 85.11 Mbit/s

95th percentile per-packet one-way delay: 2.136 ms

Loss rate: 0.01%

Run 4: Report of Indigo-MusesC3 — Data Link



Run 5: Statistics of Indigo-MusesC3

Start at: 2019-02-20 06:55:25

End at: 2019-02-20 06:55:55

Local clock offset: -1.447 ms

Remote clock offset: 1.032 ms

Below is generated by plot.py at 2019-02-20 07:09:28

Datalink statistics

-- Total of 1 flow:

Average throughput: 88.85 Mbit/s

95th percentile per-packet one-way delay: 2.641 ms

Loss rate: 0.00%

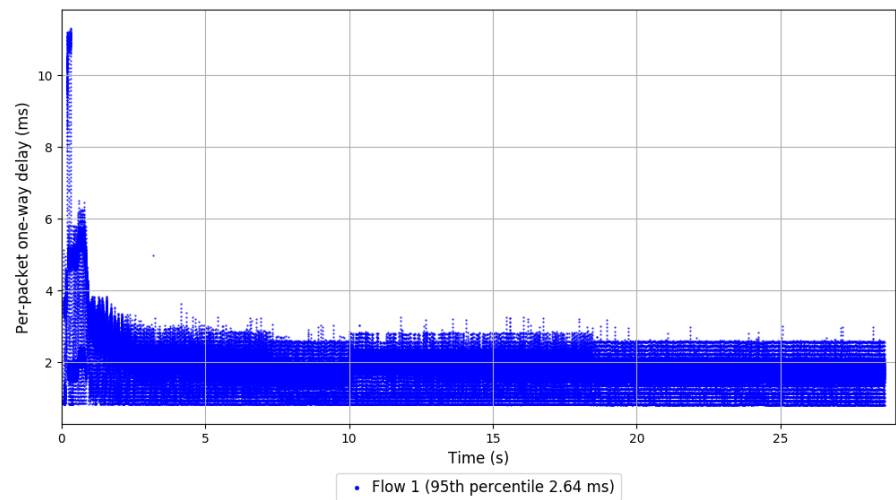
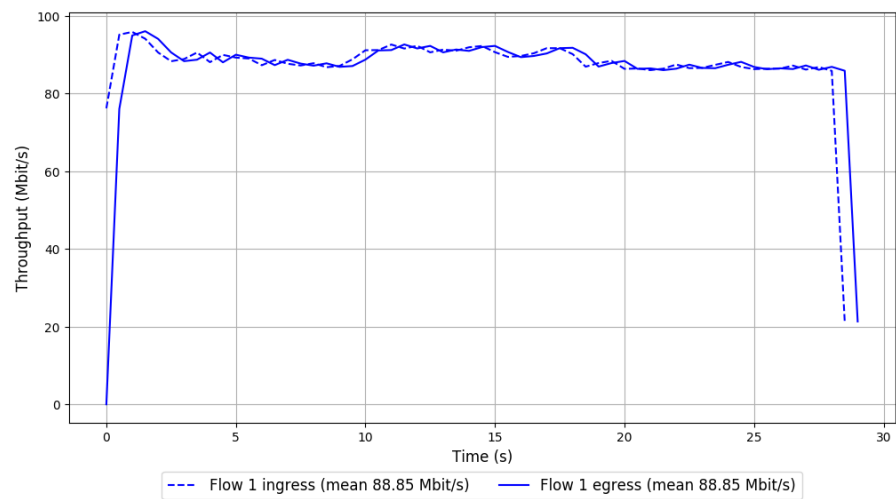
-- Flow 1:

Average throughput: 88.85 Mbit/s

95th percentile per-packet one-way delay: 2.641 ms

Loss rate: 0.00%

Run 5: Report of Indigo-MusesC3 — Data Link



Run 1: Statistics of Indigo-MusesC5

Start at: 2019-02-20 05:26:55

End at: 2019-02-20 05:27:25

Local clock offset: -0.769 ms

Remote clock offset: -1.628 ms

Below is generated by plot.py at 2019-02-20 07:09:28

Datalink statistics

-- Total of 1 flow:

Average throughput: 31.84 Mbit/s

95th percentile per-packet one-way delay: 6.193 ms

Loss rate: 0.01%

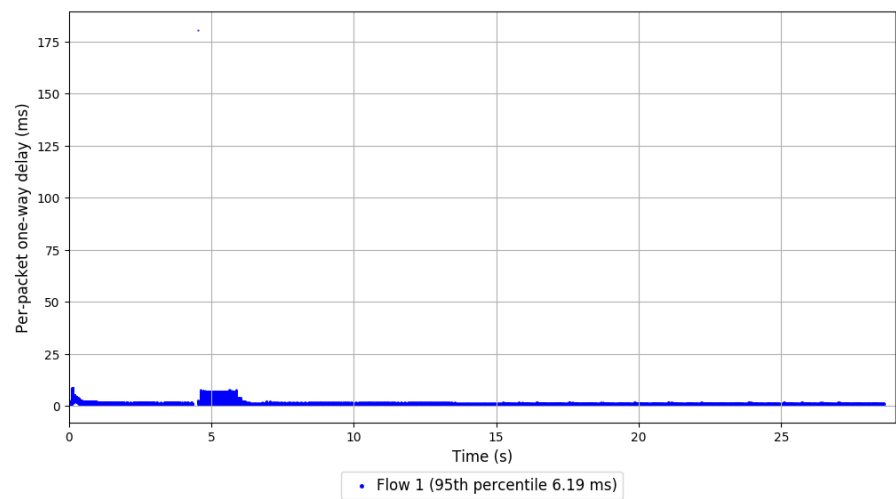
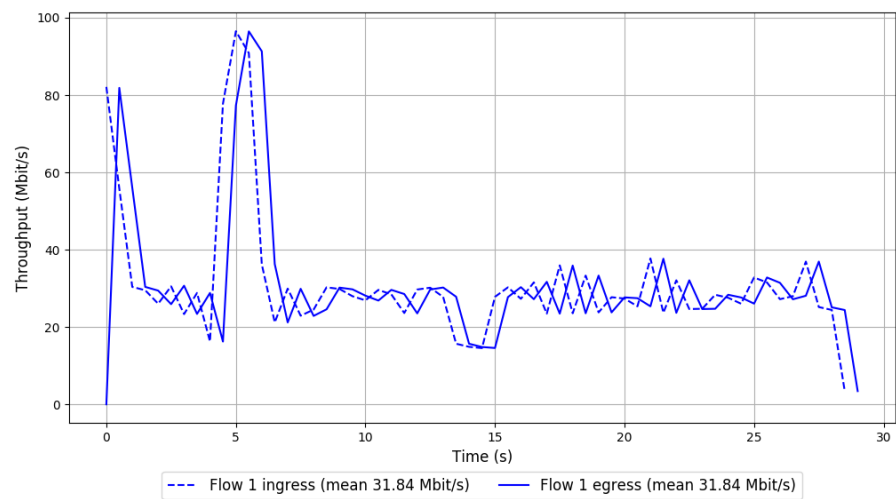
-- Flow 1:

Average throughput: 31.84 Mbit/s

95th percentile per-packet one-way delay: 6.193 ms

Loss rate: 0.01%

Run 1: Report of Indigo-MusesC5 — Data Link

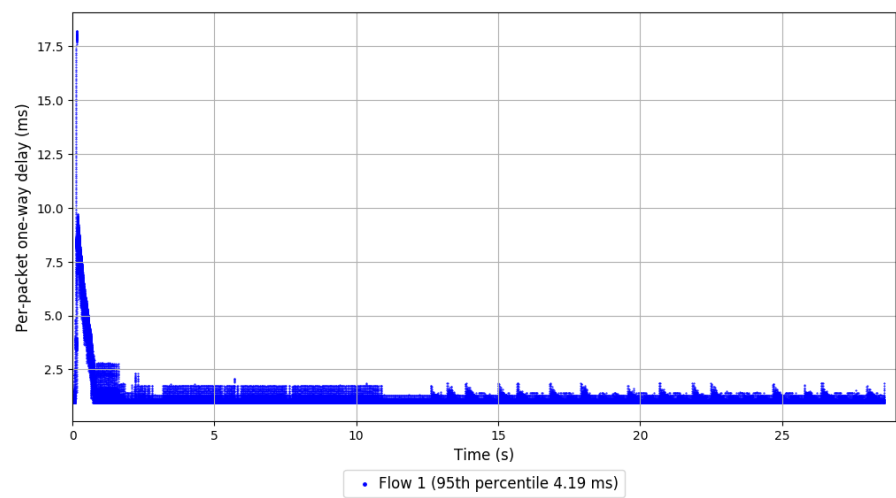
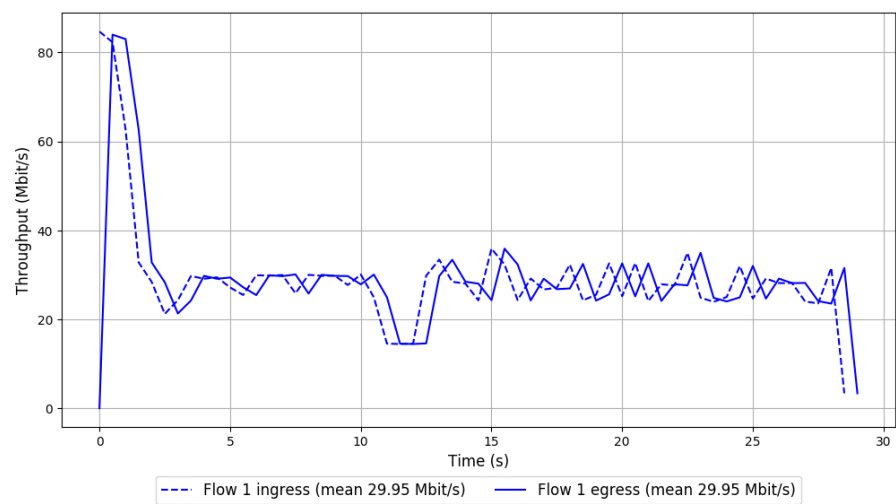


Run 2: Statistics of Indigo-MusesC5

Start at: 2019-02-20 05:50:27
End at: 2019-02-20 05:50:57
Local clock offset: -1.256 ms
Remote clock offset: -0.694 ms

Below is generated by plot.py at 2019-02-20 07:09:28
Datalink statistics
-- Total of 1 flow:
Average throughput: 29.95 Mbit/s
95th percentile per-packet one-way delay: 4.191 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 29.95 Mbit/s
95th percentile per-packet one-way delay: 4.191 ms
Loss rate: 0.00%

Run 2: Report of Indigo-MusesC5 — Data Link



Run 3: Statistics of Indigo-MusesC5

Start at: 2019-02-20 06:14:02

End at: 2019-02-20 06:14:32

Local clock offset: -6.084 ms

Remote clock offset: 0.255 ms

Below is generated by plot.py at 2019-02-20 07:09:28

Datalink statistics

-- Total of 1 flow:

Average throughput: 29.36 Mbit/s

95th percentile per-packet one-way delay: 3.808 ms

Loss rate: 0.00%

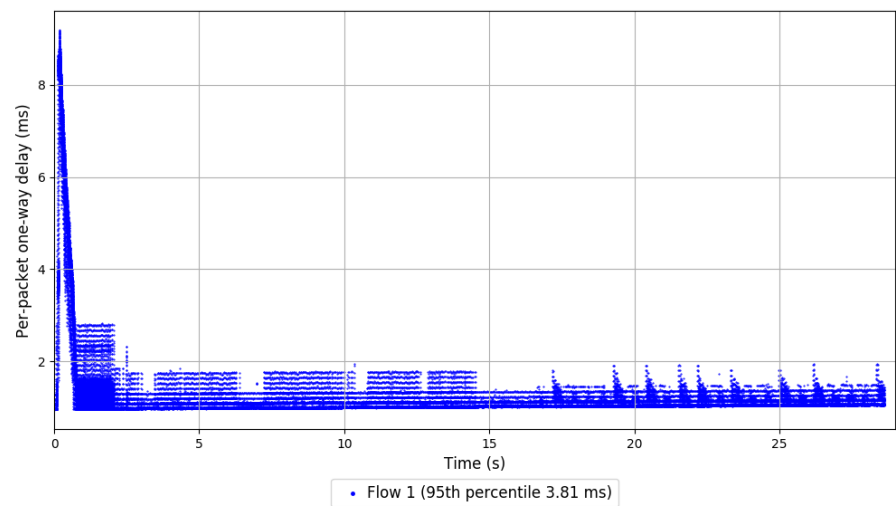
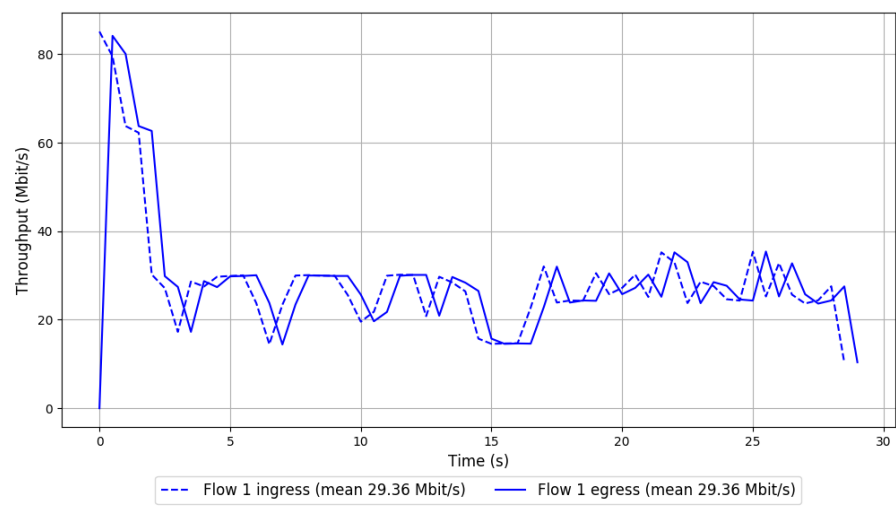
-- Flow 1:

Average throughput: 29.36 Mbit/s

95th percentile per-packet one-way delay: 3.808 ms

Loss rate: 0.00%

Run 3: Report of Indigo-MusesC5 — Data Link



Run 4: Statistics of Indigo-MusesC5

Start at: 2019-02-20 06:37:31

End at: 2019-02-20 06:38:01

Local clock offset: -4.113 ms

Remote clock offset: 0.858 ms

Below is generated by plot.py at 2019-02-20 07:09:28

Datalink statistics

-- Total of 1 flow:

Average throughput: 29.11 Mbit/s

95th percentile per-packet one-way delay: 1.891 ms

Loss rate: 0.01%

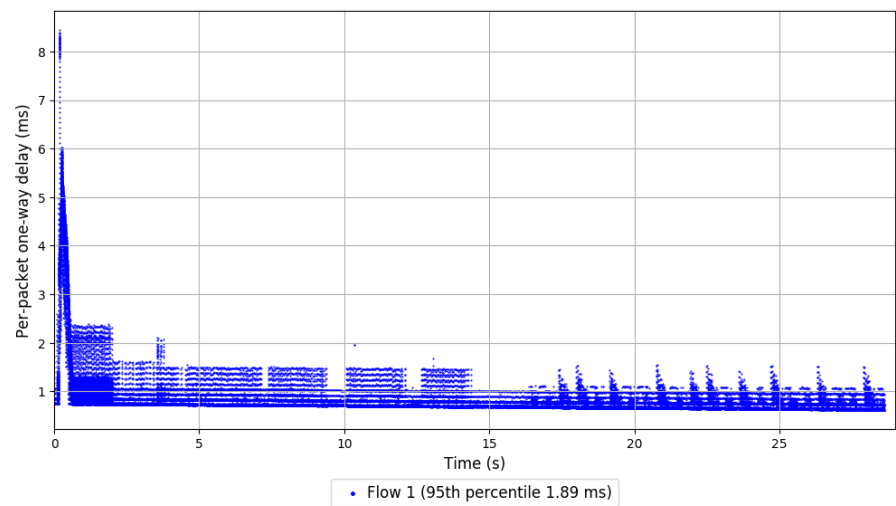
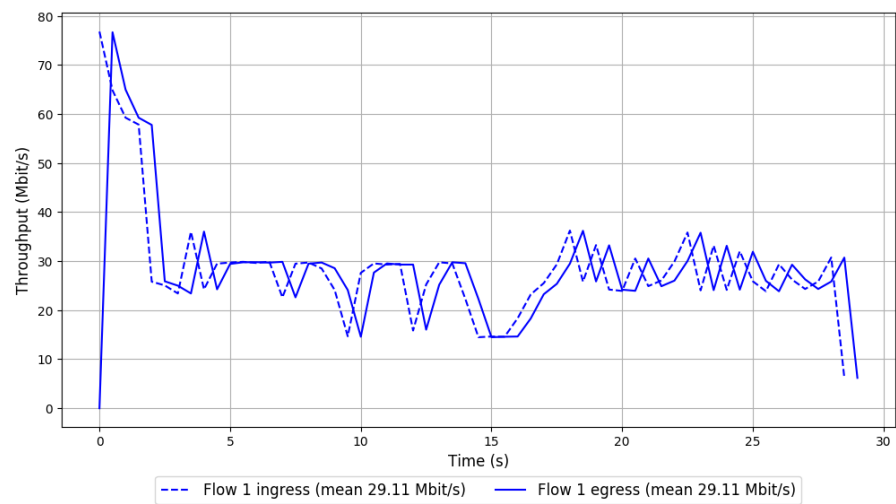
-- Flow 1:

Average throughput: 29.11 Mbit/s

95th percentile per-packet one-way delay: 1.891 ms

Loss rate: 0.01%

Run 4: Report of Indigo-MusesC5 — Data Link



Run 5: Statistics of Indigo-MusesC5

Start at: 2019-02-20 07:01:07

End at: 2019-02-20 07:01:37

Local clock offset: -1.223 ms

Remote clock offset: 0.958 ms

Below is generated by plot.py at 2019-02-20 07:09:28

Datalink statistics

-- Total of 1 flow:

Average throughput: 29.37 Mbit/s

95th percentile per-packet one-way delay: 4.536 ms

Loss rate: 0.00%

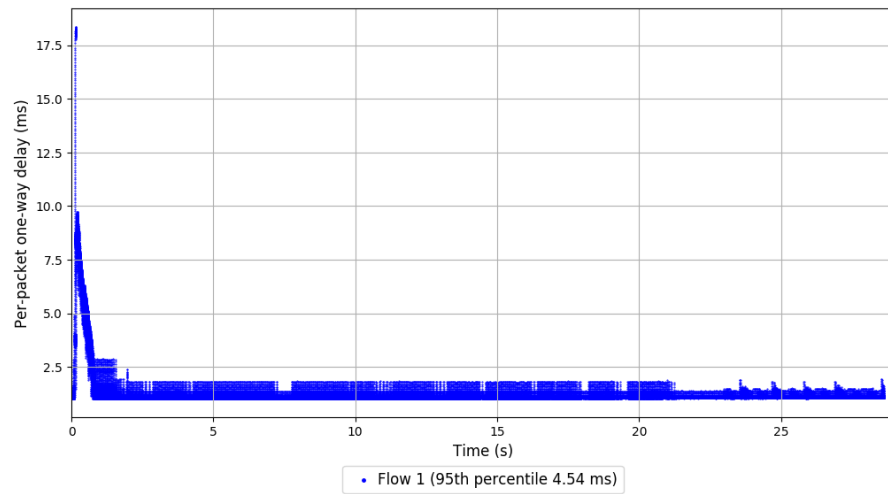
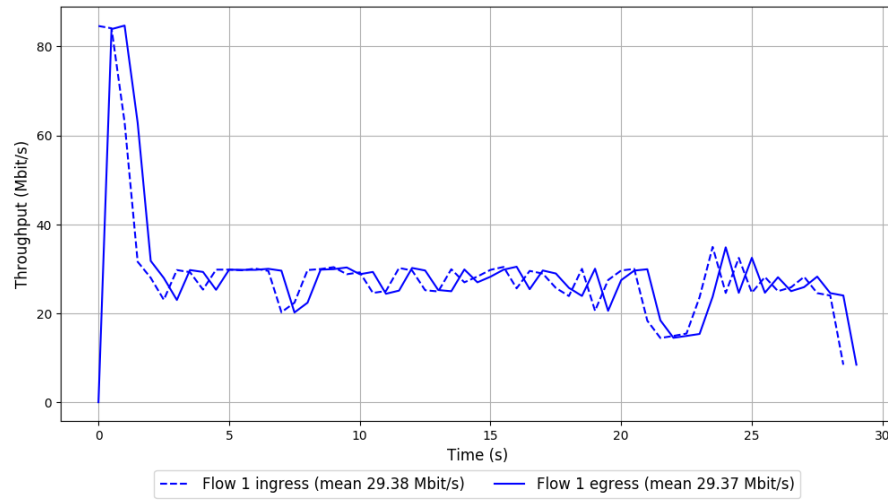
-- Flow 1:

Average throughput: 29.37 Mbit/s

95th percentile per-packet one-way delay: 4.536 ms

Loss rate: 0.00%

Run 5: Report of Indigo-MusesC5 — Data Link

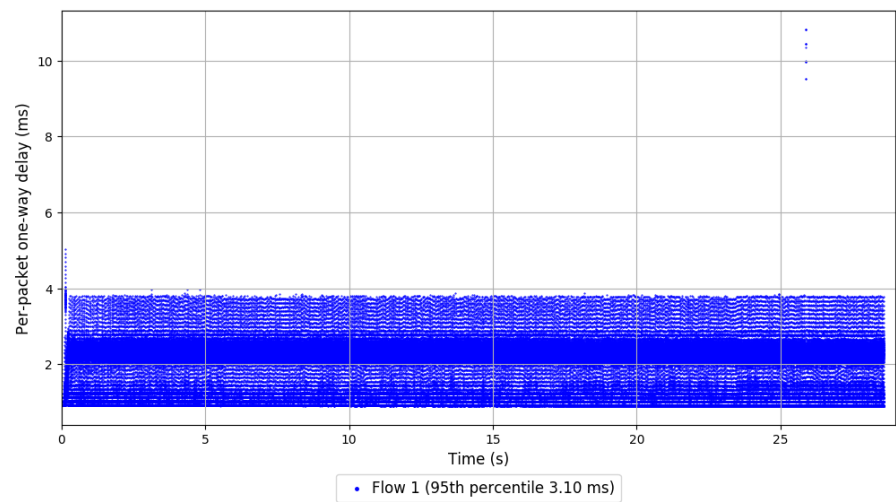
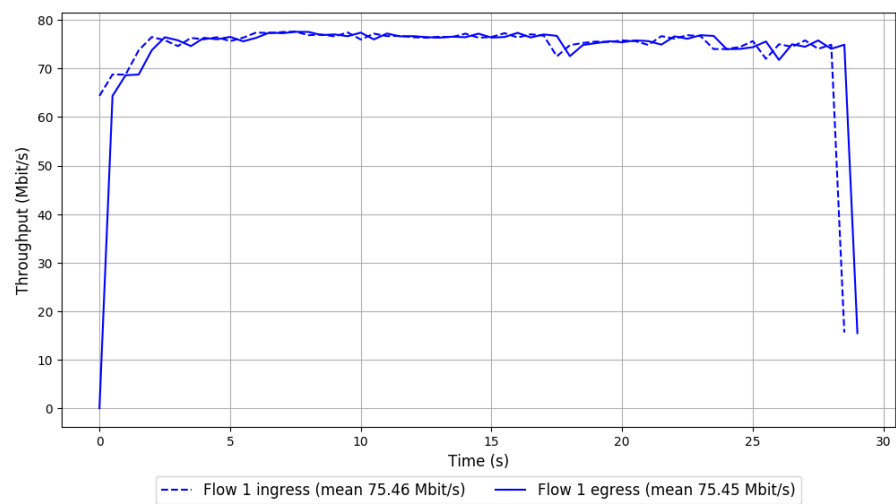



```
Run 1: Statistics of Indigo-MusesD

Start at: 2019-02-20 05:22:24
End at: 2019-02-20 05:22:54
Local clock offset: -1.148 ms
Remote clock offset: -1.846 ms

# Below is generated by plot.py at 2019-02-20 07:10:00
# Datalink statistics
-- Total of 1 flow:
Average throughput: 75.45 Mbit/s
95th percentile per-packet one-way delay: 3.101 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 75.45 Mbit/s
95th percentile per-packet one-way delay: 3.101 ms
Loss rate: 0.01%
```

Run 1: Report of Indigo-MusesD — Data Link

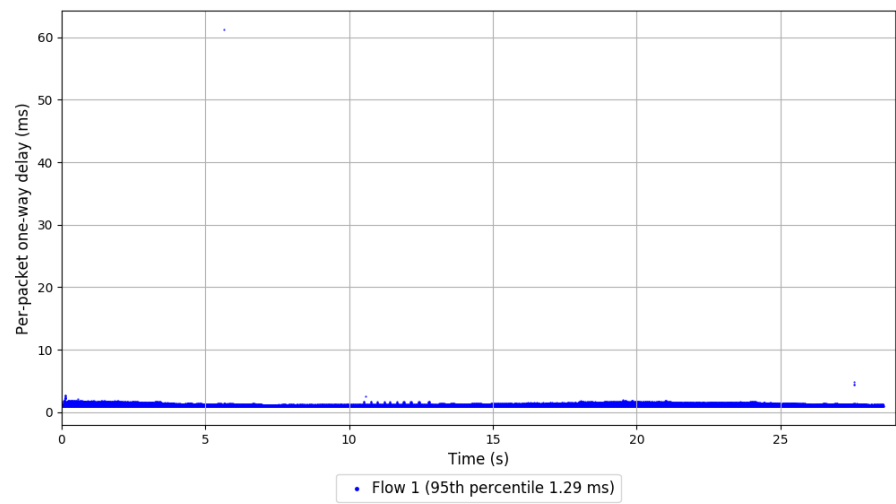
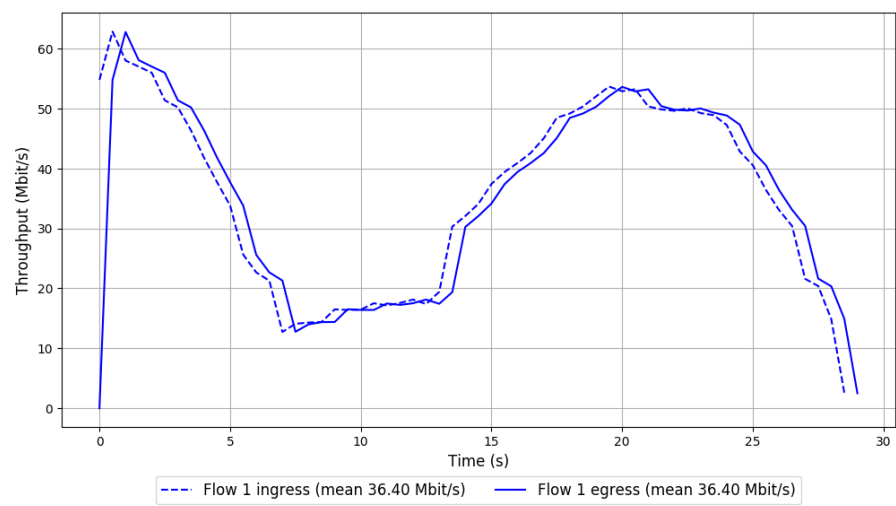


Run 2: Statistics of Indigo-MusesD

Start at: 2019-02-20 05:45:58
End at: 2019-02-20 05:46:28
Local clock offset: -1.257 ms
Remote clock offset: -0.796 ms

Below is generated by plot.py at 2019-02-20 07:10:00
Datalink statistics
-- Total of 1 flow:
Average throughput: 36.40 Mbit/s
95th percentile per-packet one-way delay: 1.290 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 36.40 Mbit/s
95th percentile per-packet one-way delay: 1.290 ms
Loss rate: 0.00%

Run 2: Report of Indigo-MusesD — Data Link



Run 3: Statistics of Indigo-MusesD

Start at: 2019-02-20 06:09:31

End at: 2019-02-20 06:10:01

Local clock offset: -5.17 ms

Remote clock offset: 0.088 ms

Below is generated by plot.py at 2019-02-20 07:10:01

Datalink statistics

-- Total of 1 flow:

Average throughput: 74.60 Mbit/s

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

Loss rate: 0.01%

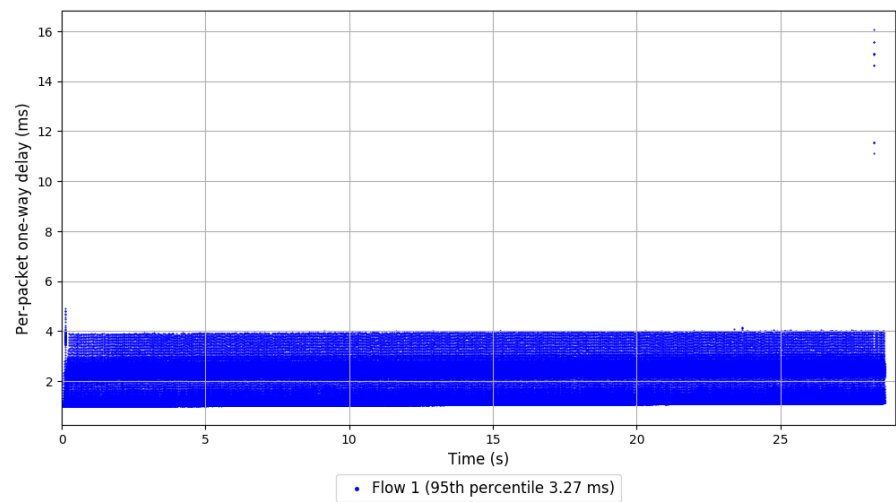
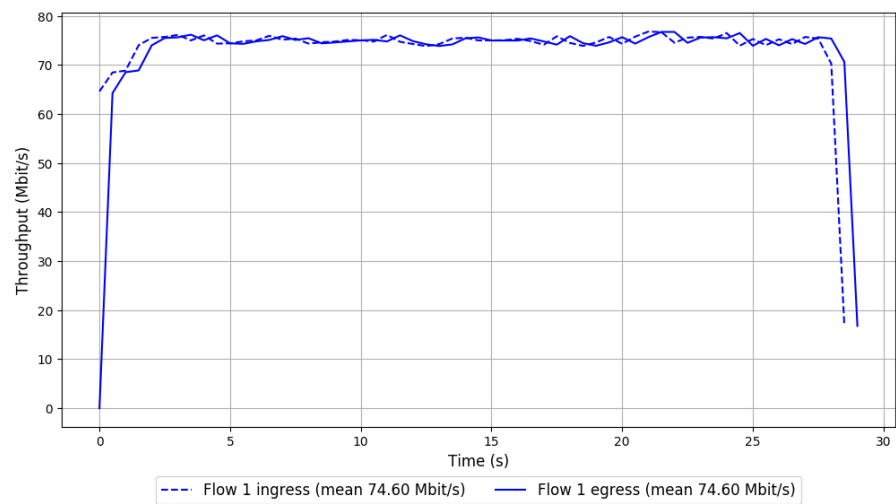
-- Flow 1:

Average throughput: 74.60 Mbit/s

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

Loss rate: 0.01%

Run 3: Report of Indigo-MusesD — Data Link



Run 4: Statistics of Indigo-MusesD

Start at: 2019-02-20 06:33:00

End at: 2019-02-20 06:33:30

Local clock offset: -5.834 ms

Remote clock offset: 0.646 ms

Below is generated by plot.py at 2019-02-20 07:10:07

Datalink statistics

-- Total of 1 flow:

Average throughput: 73.87 Mbit/s

95th percentile per-packet one-way delay: 2.792 ms

Loss rate: 0.01%

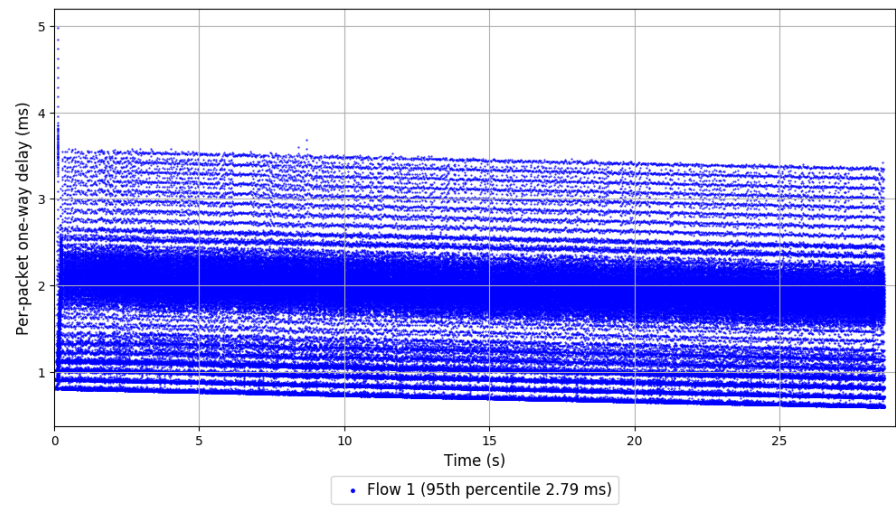
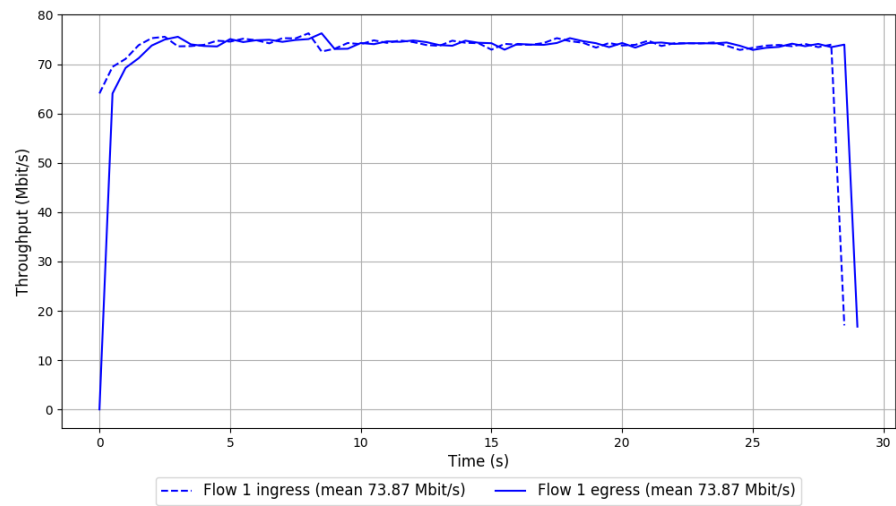
-- Flow 1:

Average throughput: 73.87 Mbit/s

95th percentile per-packet one-way delay: 2.792 ms

Loss rate: 0.01%

Run 4: Report of Indigo-MusesD — Data Link



Run 5: Statistics of Indigo-MusesD

Start at: 2019-02-20 06:56:32

End at: 2019-02-20 06:57:03

Local clock offset: -1.375 ms

Remote clock offset: 0.952 ms

Below is generated by plot.py at 2019-02-20 07:10:12

Datalink statistics

-- Total of 1 flow:

Average throughput: 74.13 Mbit/s

95th percentile per-packet one-way delay: 2.998 ms

Loss rate: 0.01%

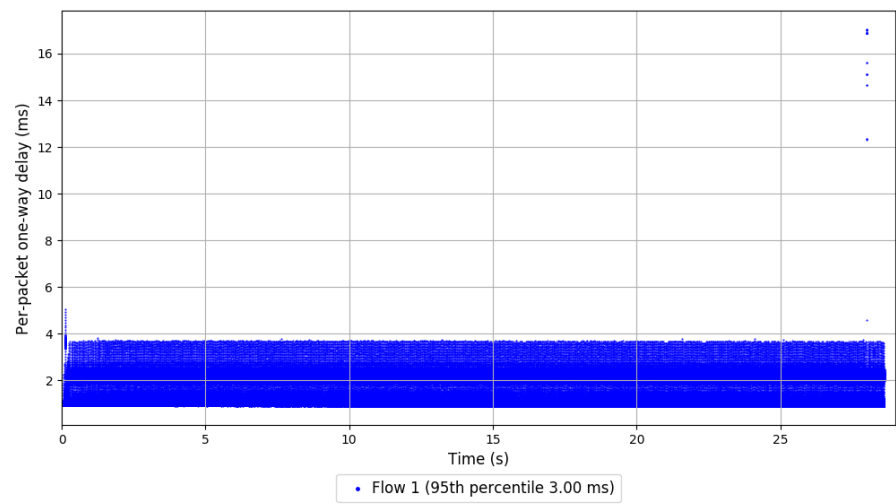
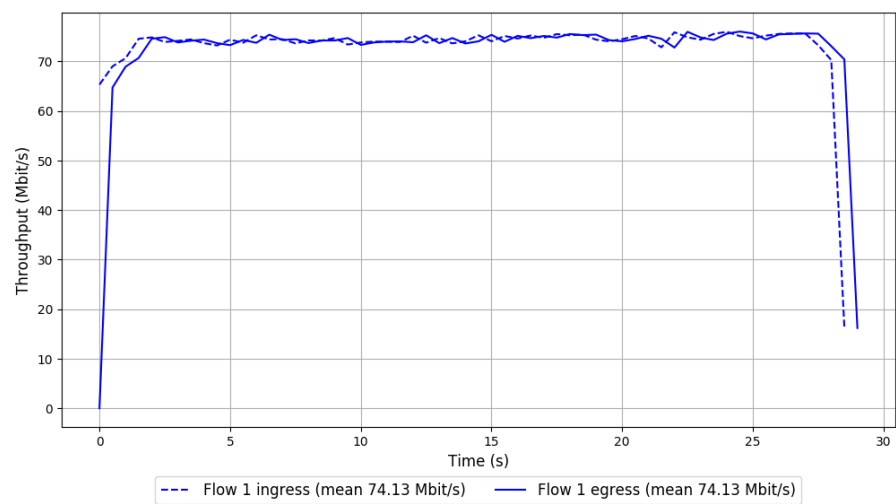
-- Flow 1:

Average throughput: 74.13 Mbit/s

95th percentile per-packet one-way delay: 2.998 ms

Loss rate: 0.01%

Run 5: Report of Indigo-MusesD — Data Link



Run 1: Statistics of Indigo-MusesT

Start at: 2019-02-20 05:24:42

End at: 2019-02-20 05:25:12

Local clock offset: -0.959 ms

Remote clock offset: -1.728 ms

Below is generated by plot.py at 2019-02-20 07:10:17

Datalink statistics

-- Total of 1 flow:

Average throughput: 77.22 Mbit/s

95th percentile per-packet one-way delay: 1.835 ms

Loss rate: 0.00%

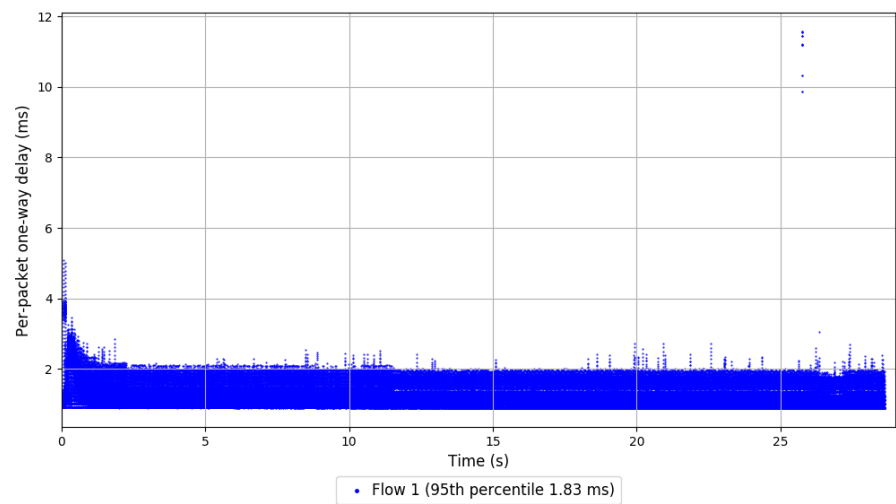
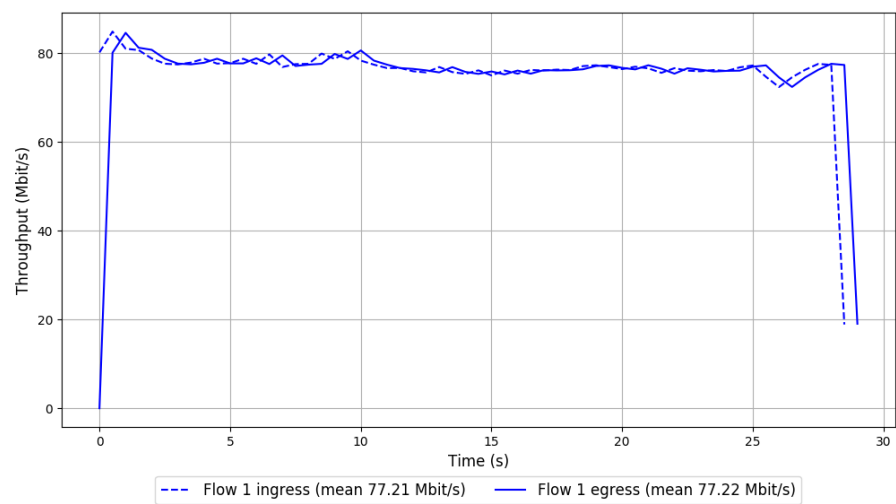
-- Flow 1:

Average throughput: 77.22 Mbit/s

95th percentile per-packet one-way delay: 1.835 ms

Loss rate: 0.00%

Run 1: Report of Indigo-MusesT — Data Link



Run 2: Statistics of Indigo-MusesT

Start at: 2019-02-20 05:48:15

End at: 2019-02-20 05:48:45

Local clock offset: -1.307 ms

Remote clock offset: -0.711 ms

Below is generated by plot.py at 2019-02-20 07:10:22

Datalink statistics

-- Total of 1 flow:

Average throughput: 80.02 Mbit/s

95th percentile per-packet one-way delay: 2.158 ms

Loss rate: 0.01%

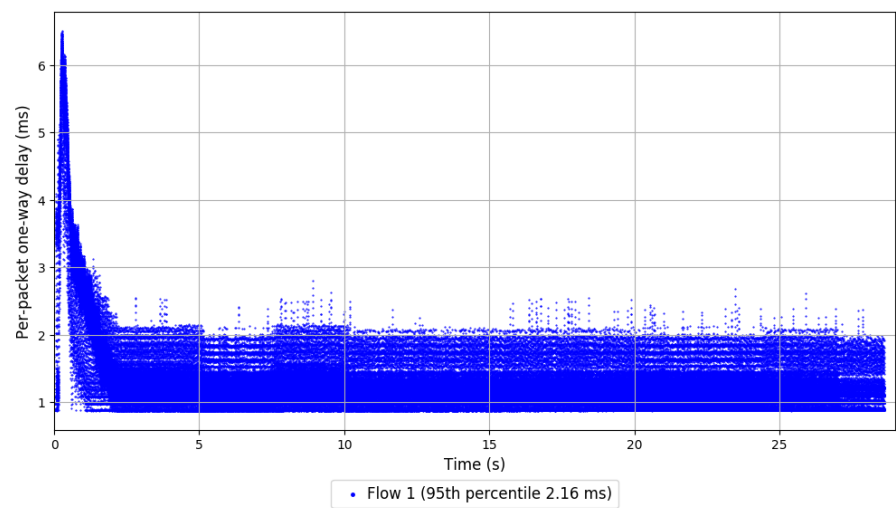
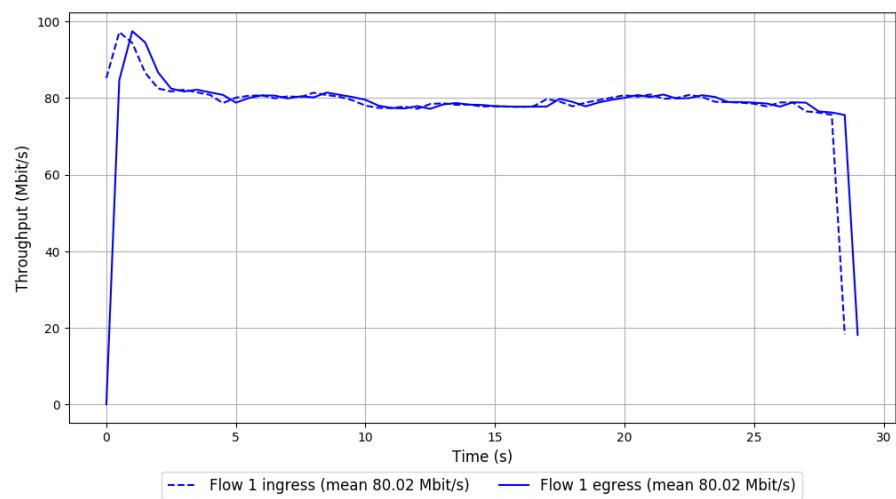
-- Flow 1:

Average throughput: 80.02 Mbit/s

95th percentile per-packet one-way delay: 2.158 ms

Loss rate: 0.01%

Run 2: Report of Indigo-MusesT — Data Link



Run 3: Statistics of Indigo-MusesT

Start at: 2019-02-20 06:11:49

End at: 2019-02-20 06:12:20

Local clock offset: -5.688 ms

Remote clock offset: 0.172 ms

Below is generated by plot.py at 2019-02-20 07:10:25

Datalink statistics

-- Total of 1 flow:

Average throughput: 82.05 Mbit/s

95th percentile per-packet one-way delay: 2.829 ms

Loss rate: 0.01%

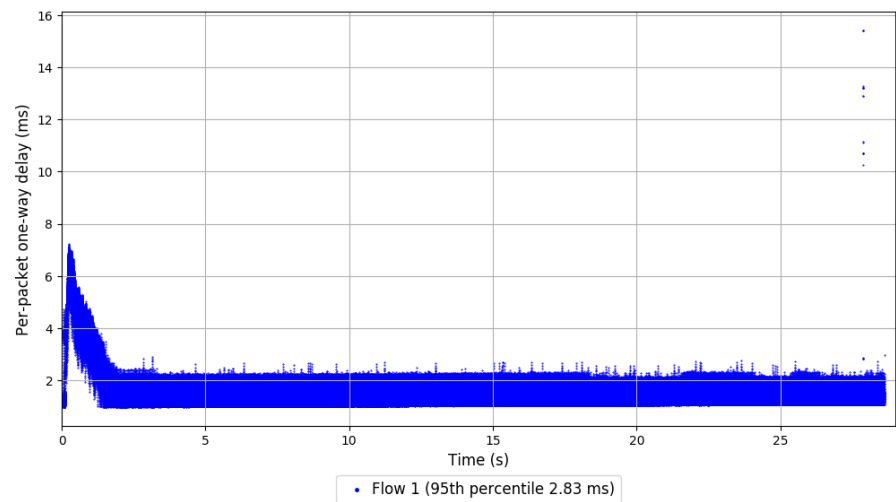
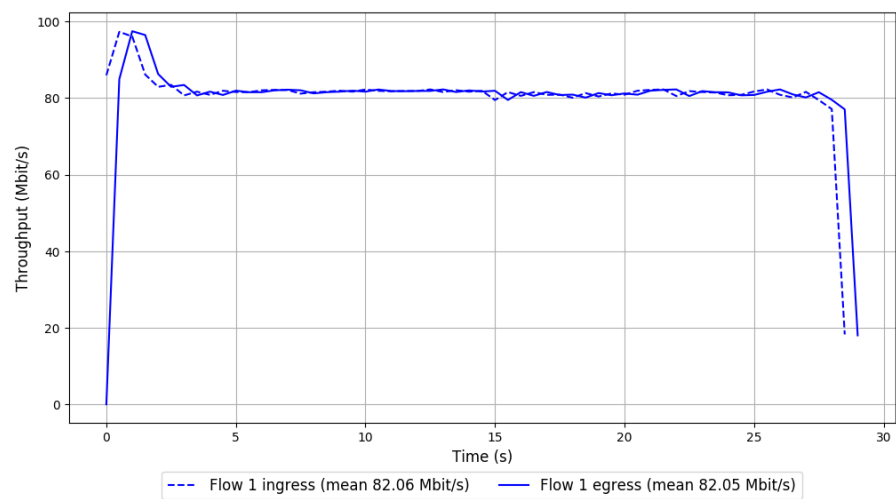
-- Flow 1:

Average throughput: 82.05 Mbit/s

95th percentile per-packet one-way delay: 2.829 ms

Loss rate: 0.01%

Run 3: Report of Indigo-MusesT — Data Link



Run 4: Statistics of Indigo-MusesT

Start at: 2019-02-20 06:35:18

End at: 2019-02-20 06:35:48

Local clock offset: -4.906 ms

Remote clock offset: 0.75 ms

Below is generated by plot.py at 2019-02-20 07:10:29

Datalink statistics

-- Total of 1 flow:

Average throughput: 78.19 Mbit/s

95th percentile per-packet one-way delay: 1.716 ms

Loss rate: 0.01%

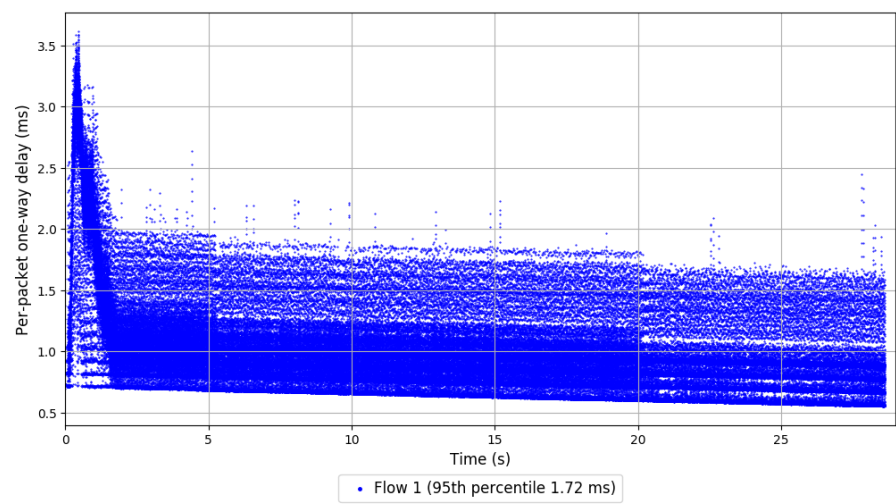
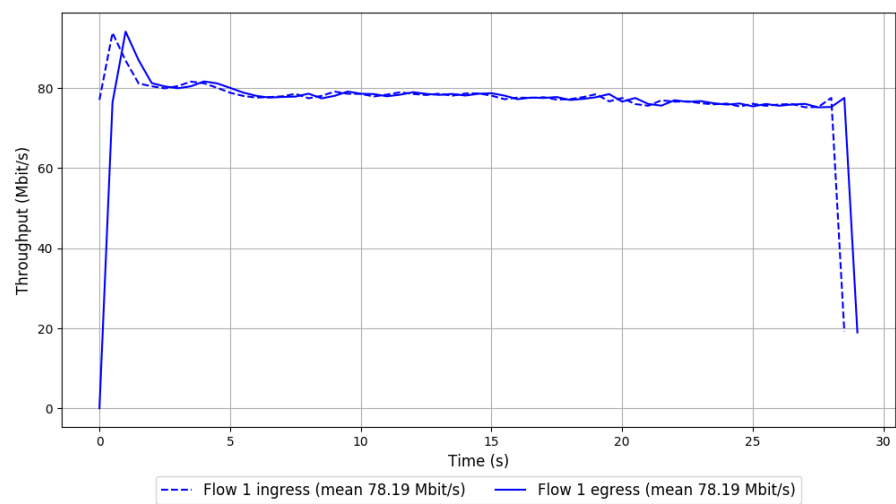
-- Flow 1:

Average throughput: 78.19 Mbit/s

95th percentile per-packet one-way delay: 1.716 ms

Loss rate: 0.01%

Run 4: Report of Indigo-MusesT — Data Link



Run 5: Statistics of Indigo-MusesT

Start at: 2019-02-20 06:58:51

End at: 2019-02-20 06:59:21

Local clock offset: -1.287 ms

Remote clock offset: 0.898 ms

Below is generated by plot.py at 2019-02-20 07:10:55

Datalink statistics

-- Total of 1 flow:

Average throughput: 80.27 Mbit/s

95th percentile per-packet one-way delay: 2.204 ms

Loss rate: 0.01%

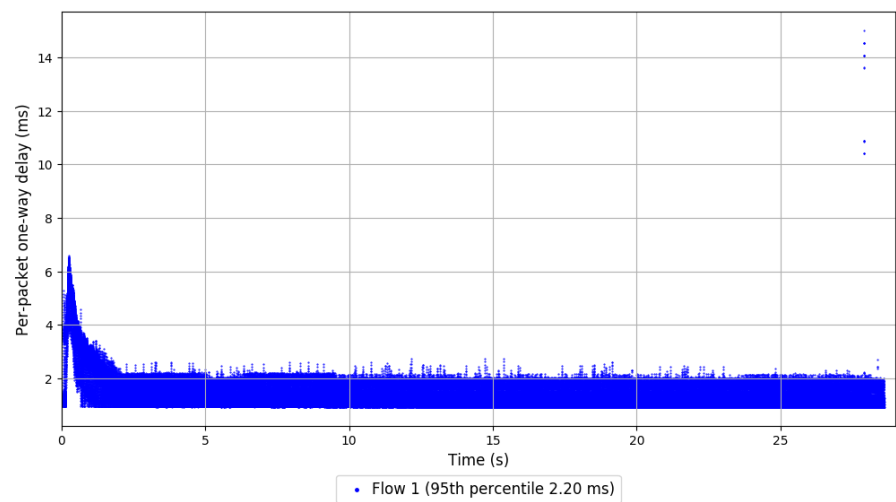
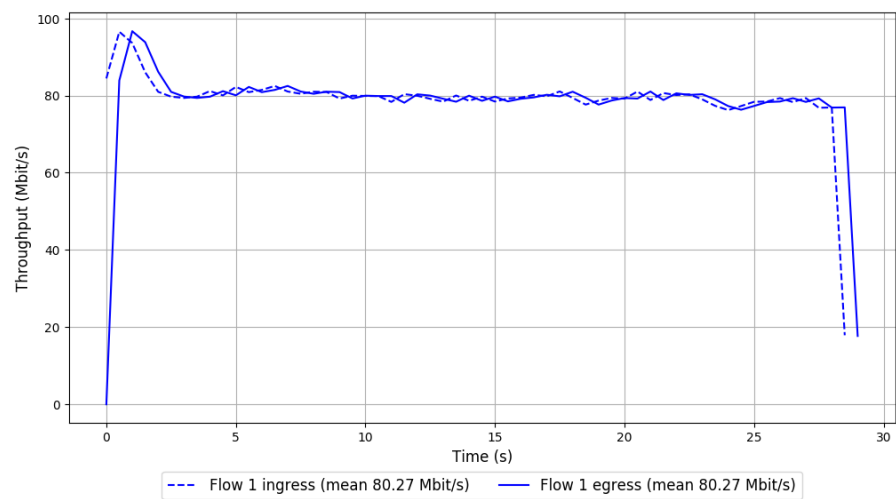
-- Flow 1:

Average throughput: 80.27 Mbit/s

95th percentile per-packet one-way delay: 2.204 ms

Loss rate: 0.01%

Run 5: Report of Indigo-MusesT — Data Link

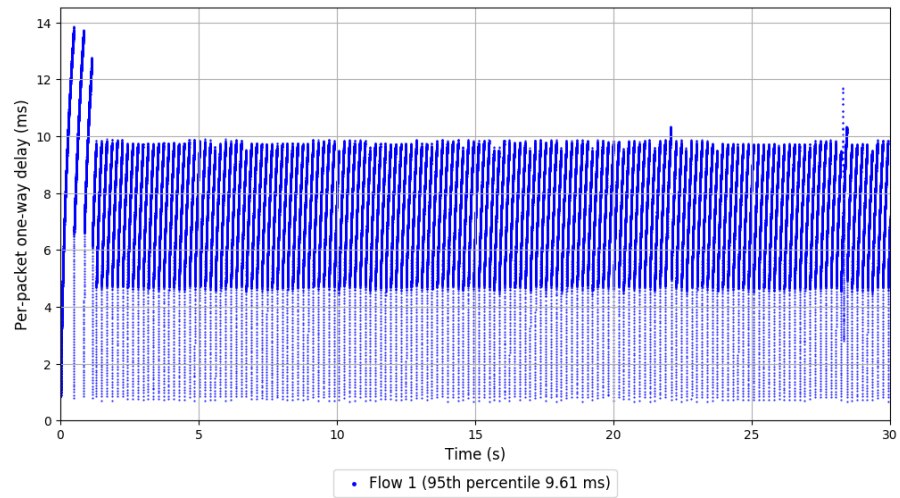
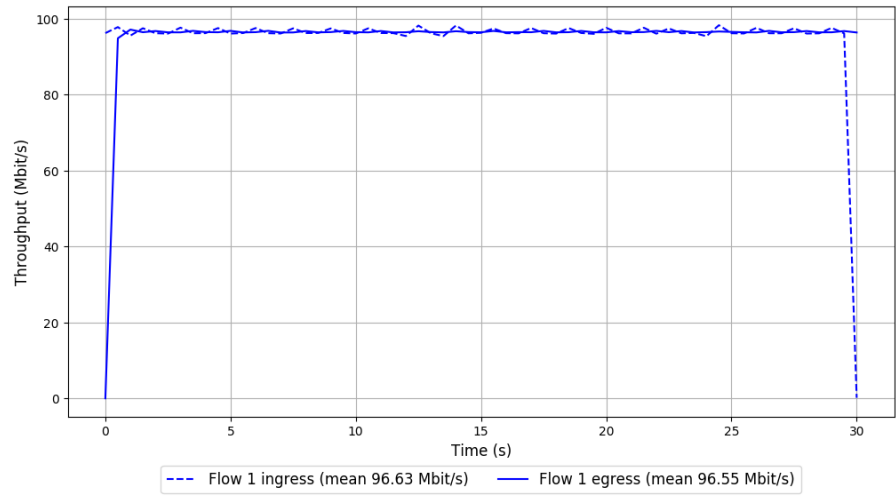


Run 1: Statistics of LEDBAT

Start at: 2019-02-20 05:15:37
End at: 2019-02-20 05:16:07
Local clock offset: -1.894 ms
Remote clock offset: -2.147 ms

Below is generated by plot.py at 2019-02-20 07:11:09
Datalink statistics
-- Total of 1 flow:
Average throughput: 96.55 Mbit/s
95th percentile per-packet one-way delay: 9.613 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 96.55 Mbit/s
95th percentile per-packet one-way delay: 9.613 ms
Loss rate: 0.09%

Run 1: Report of LEDBAT — Data Link

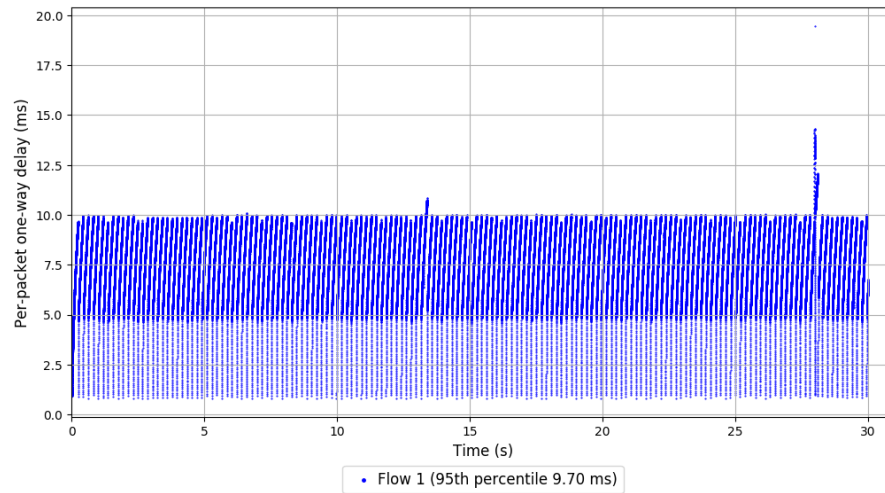
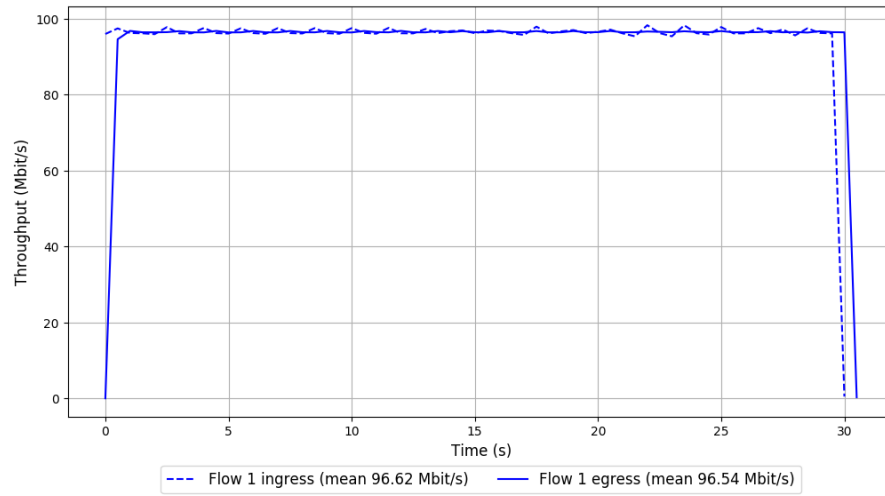


Run 2: Statistics of LEDBAT

Start at: 2019-02-20 05:39:10
End at: 2019-02-20 05:39:40
Local clock offset: -1.213 ms
Remote clock offset: -1.046 ms

Below is generated by plot.py at 2019-02-20 07:11:20
Datalink statistics
-- Total of 1 flow:
Average throughput: 96.54 Mbit/s
95th percentile per-packet one-way delay: 9.698 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 96.54 Mbit/s
95th percentile per-packet one-way delay: 9.698 ms
Loss rate: 0.09%

Run 2: Report of LEDBAT — Data Link



Run 3: Statistics of LEDBAT

Start at: 2019-02-20 06:02:42

End at: 2019-02-20 06:03:12

Local clock offset: -2.705 ms

Remote clock offset: -0.14 ms

Below is generated by plot.py at 2019-02-20 07:11:23

Datalink statistics

-- Total of 1 flow:

Average throughput: 96.51 Mbit/s

95th percentile per-packet one-way delay: 9.934 ms

Loss rate: 0.09%

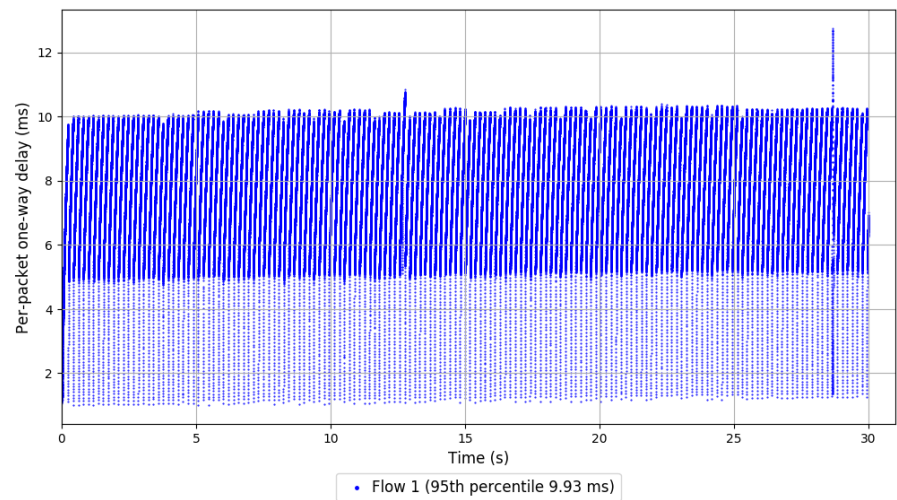
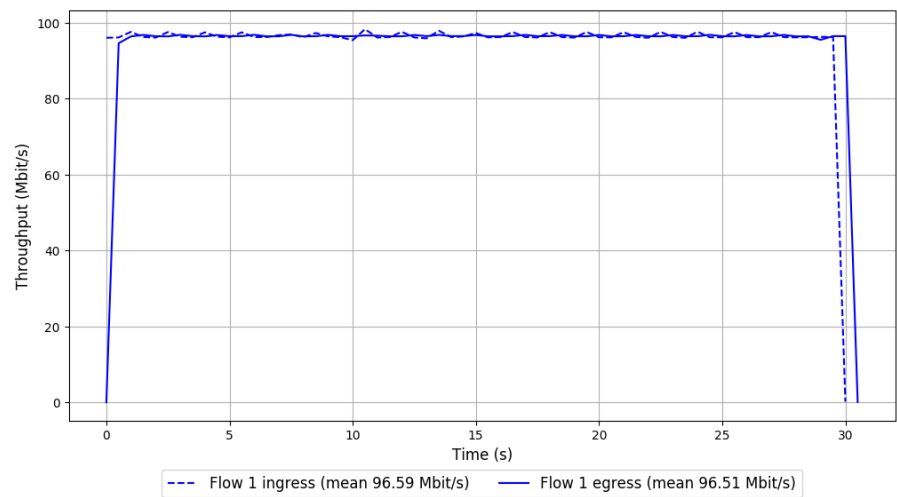
-- Flow 1:

Average throughput: 96.51 Mbit/s

95th percentile per-packet one-way delay: 9.934 ms

Loss rate: 0.09%

Run 3: Report of LEDBAT — Data Link



Run 4: Statistics of LEDBAT

Start at: 2019-02-20 06:26:17

End at: 2019-02-20 06:26:47

Local clock offset: -7.442 ms

Remote clock offset: 0.56 ms

Below is generated by plot.py at 2019-02-20 07:11:26

Datalink statistics

-- Total of 1 flow:

Average throughput: 96.50 Mbit/s

95th percentile per-packet one-way delay: 9.711 ms

Loss rate: 0.10%

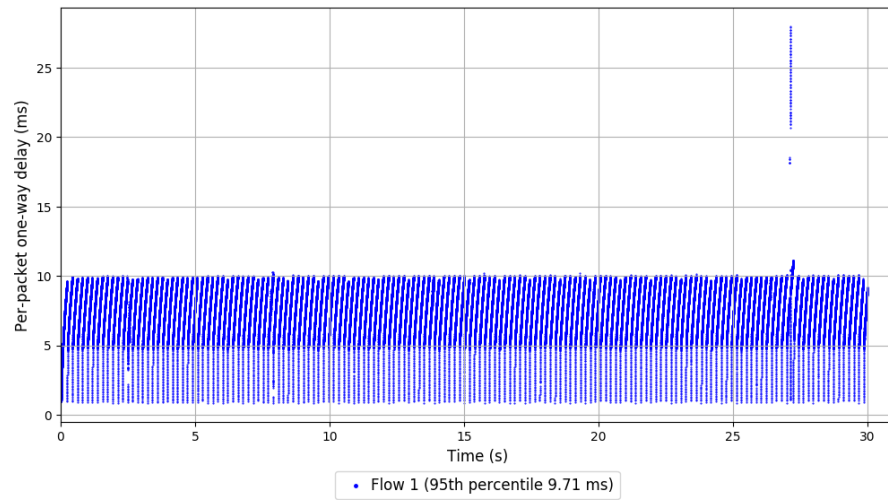
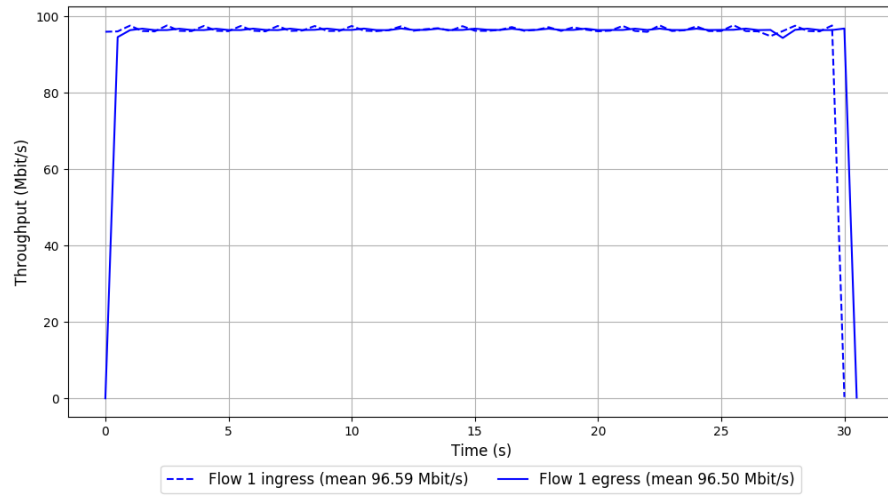
-- Flow 1:

Average throughput: 96.50 Mbit/s

95th percentile per-packet one-way delay: 9.711 ms

Loss rate: 0.10%

Run 4: Report of LEDBAT — Data Link



Run 5: Statistics of LEDBAT

Start at: 2019-02-20 06:49:44

End at: 2019-02-20 06:50:15

Local clock offset: -1.89 ms

Remote clock offset: 0.924 ms

Below is generated by plot.py at 2019-02-20 07:11:32

Datalink statistics

-- Total of 1 flow:

Average throughput: 96.53 Mbit/s

95th percentile per-packet one-way delay: 9.625 ms

Loss rate: 0.08%

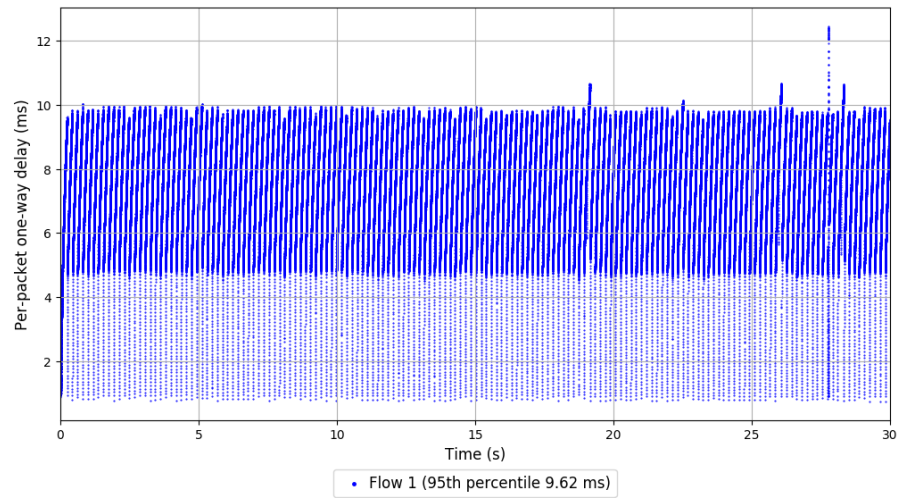
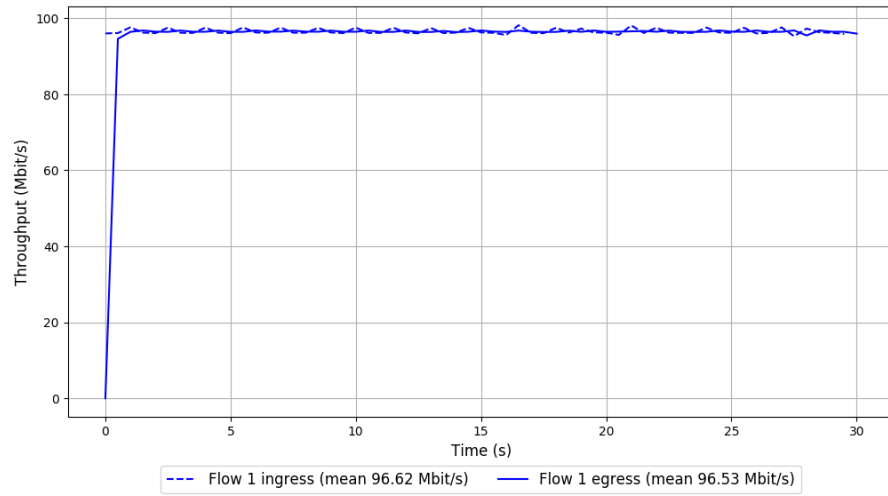
-- Flow 1:

Average throughput: 96.53 Mbit/s

95th percentile per-packet one-way delay: 9.625 ms

Loss rate: 0.08%

Run 5: Report of LEDBAT — Data Link



Run 1: Statistics of PCC-Allegro

Start at: 2019-02-20 05:04:27

End at: 2019-02-20 05:04:57

Local clock offset: -4.317 ms

Remote clock offset: -2.465 ms

Below is generated by plot.py at 2019-02-20 07:11:32

Datalink statistics

-- Total of 1 flow:

Average throughput: 90.66 Mbit/s

95th percentile per-packet one-way delay: 3.460 ms

Loss rate: 0.01%

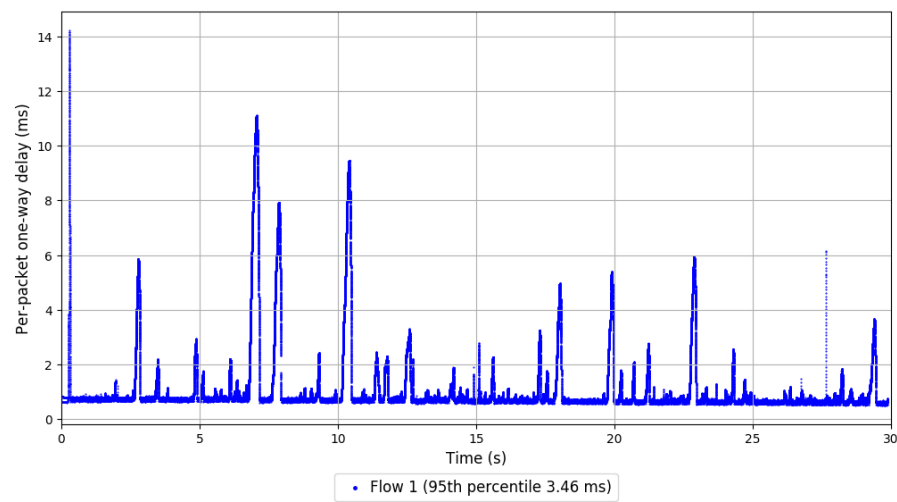
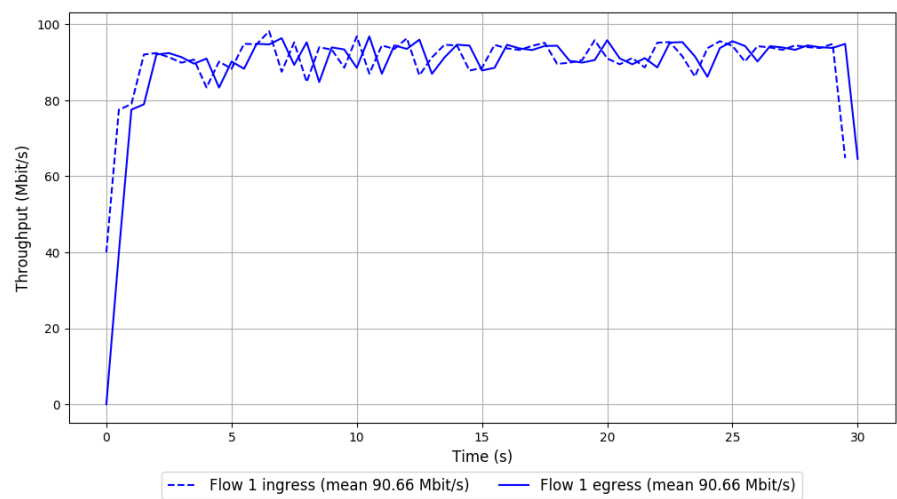
-- Flow 1:

Average throughput: 90.66 Mbit/s

95th percentile per-packet one-way delay: 3.460 ms

Loss rate: 0.01%

Run 1: Report of PCC-Allegro — Data Link

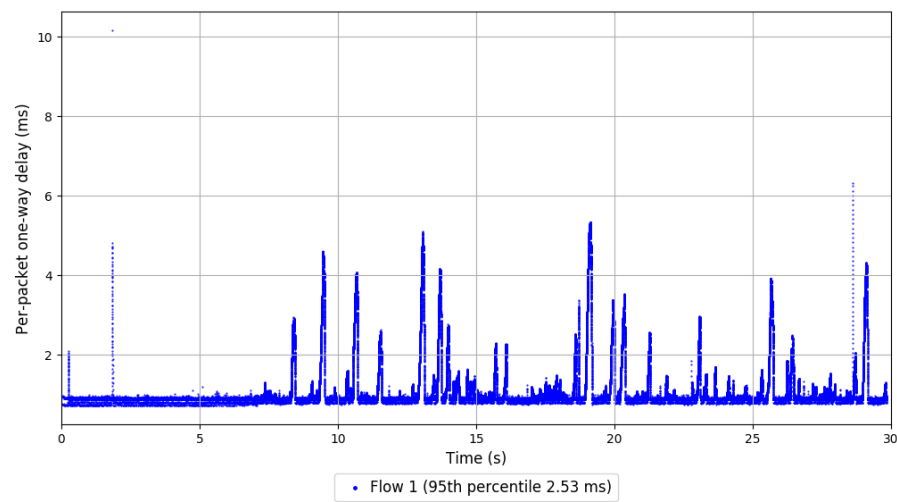
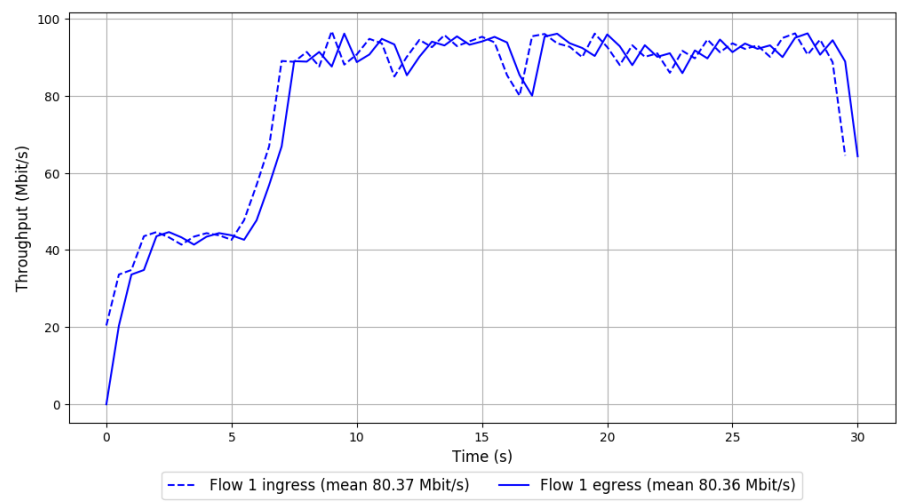


Run 2: Statistics of PCC-Allegro

Start at: 2019-02-20 05:28:00
End at: 2019-02-20 05:28:30
Local clock offset: -0.705 ms
Remote clock offset: -1.555 ms

Below is generated by plot.py at 2019-02-20 07:11:32
Datalink statistics
-- Total of 1 flow:
Average throughput: 80.36 Mbit/s
95th percentile per-packet one-way delay: 2.530 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 80.36 Mbit/s
95th percentile per-packet one-way delay: 2.530 ms
Loss rate: 0.01%

Run 2: Report of PCC-Allegro — Data Link



Run 3: Statistics of PCC-Allegro

Start at: 2019-02-20 05:51:33

End at: 2019-02-20 05:52:03

Local clock offset: -1.179 ms

Remote clock offset: -0.573 ms

Below is generated by plot.py at 2019-02-20 07:12:03

Datalink statistics

-- Total of 1 flow:

Average throughput: 85.37 Mbit/s

95th percentile per-packet one-way delay: 3.661 ms

Loss rate: 0.01%

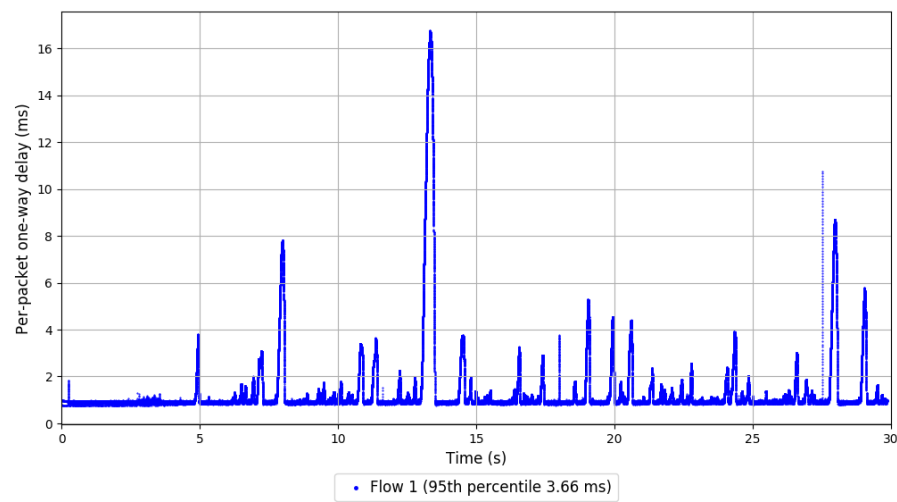
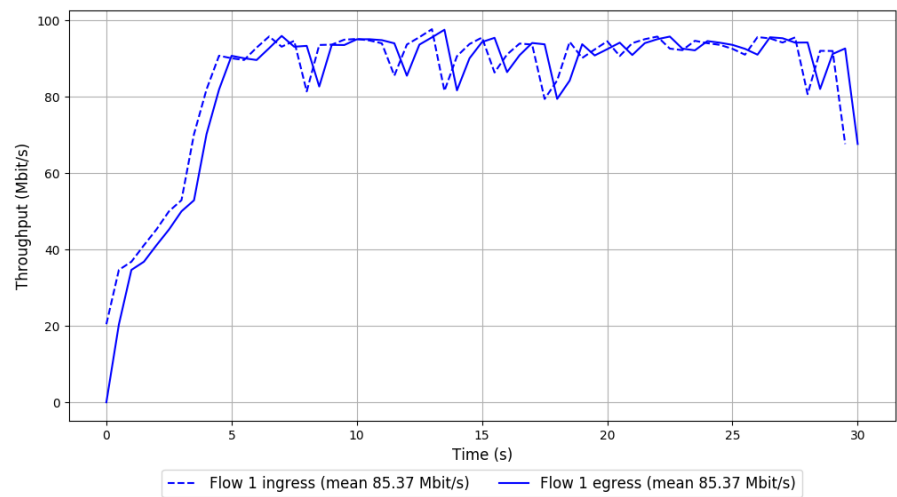
-- Flow 1:

Average throughput: 85.37 Mbit/s

95th percentile per-packet one-way delay: 3.661 ms

Loss rate: 0.01%

Run 3: Report of PCC-Allegro — Data Link



Run 4: Statistics of PCC-Allegro

Start at: 2019-02-20 06:15:08

End at: 2019-02-20 06:15:38

Local clock offset: -6.335 ms

Remote clock offset: 0.283 ms

Below is generated by plot.py at 2019-02-20 07:12:13

Datalink statistics

-- Total of 1 flow:

Average throughput: 86.85 Mbit/s

95th percentile per-packet one-way delay: 1.719 ms

Loss rate: 0.01%

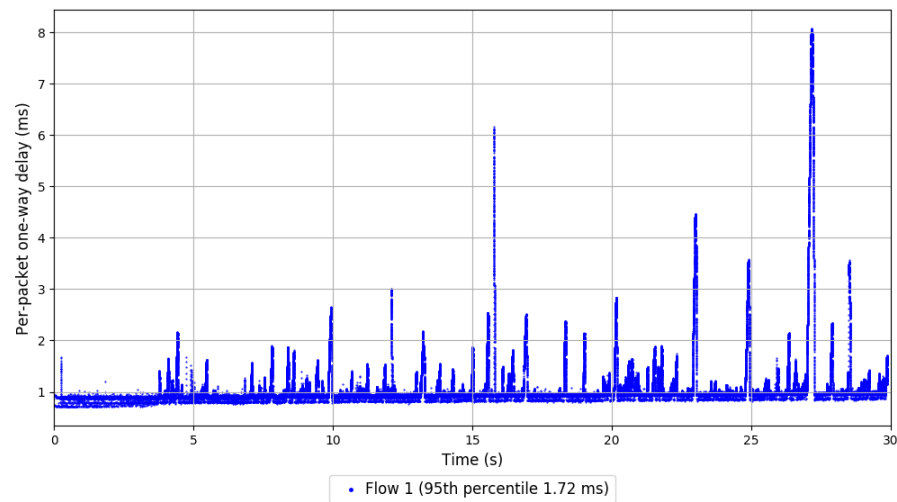
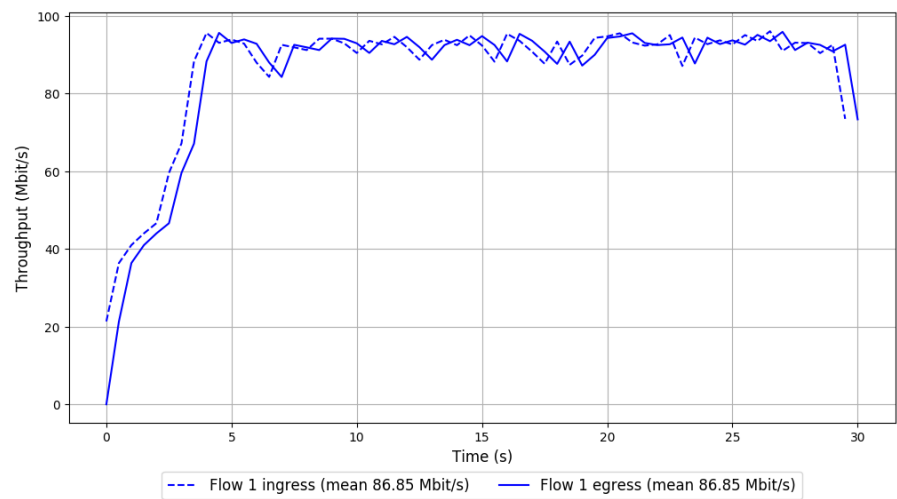
-- Flow 1:

Average throughput: 86.85 Mbit/s

95th percentile per-packet one-way delay: 1.719 ms

Loss rate: 0.01%

Run 4: Report of PCC-Allegro — Data Link



Run 5: Statistics of PCC-Allegro

Start at: 2019-02-20 06:38:36

End at: 2019-02-20 06:39:06

Local clock offset: -3.827 ms

Remote clock offset: 0.79 ms

Below is generated by plot.py at 2019-02-20 07:12:17

Datalink statistics

-- Total of 1 flow:

Average throughput: 82.47 Mbit/s

95th percentile per-packet one-way delay: 3.020 ms

Loss rate: 0.01%

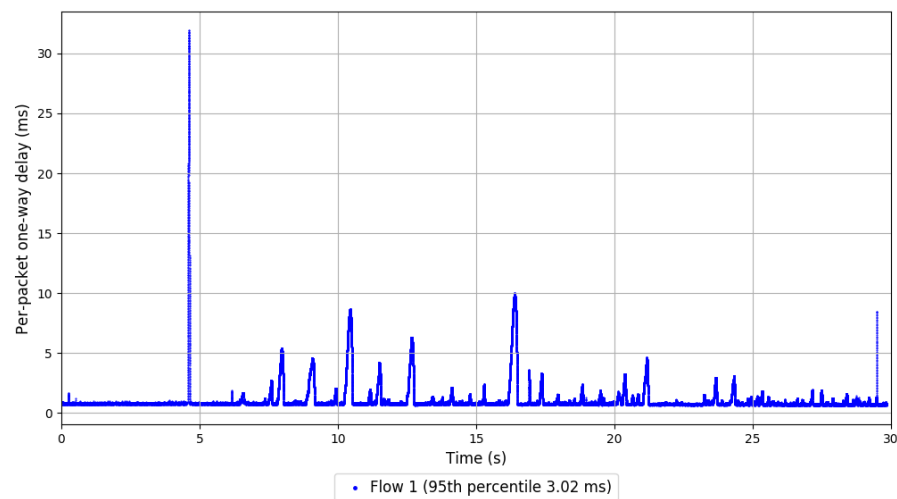
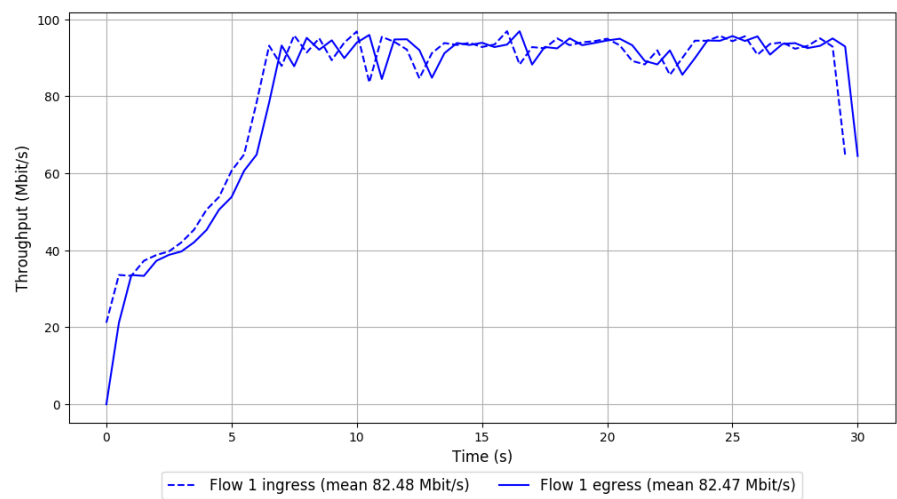
-- Flow 1:

Average throughput: 82.47 Mbit/s

95th percentile per-packet one-way delay: 3.020 ms

Loss rate: 0.01%

Run 5: Report of PCC-Allegro — Data Link

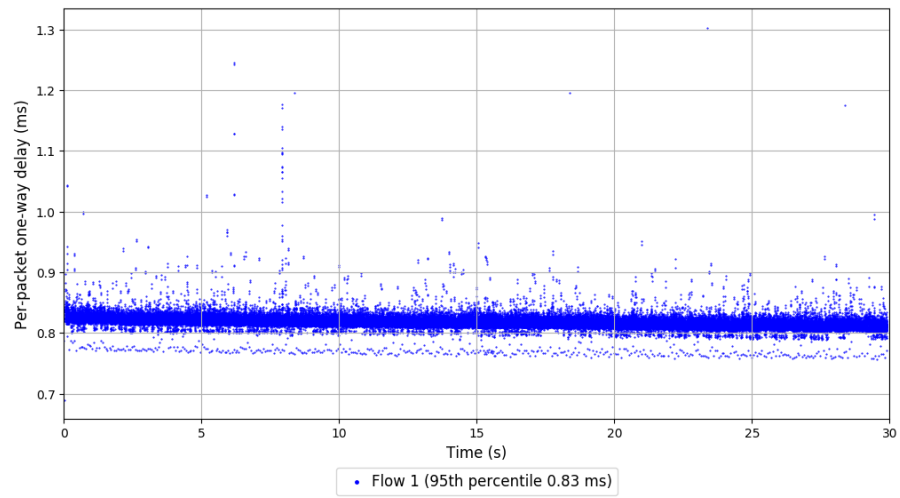
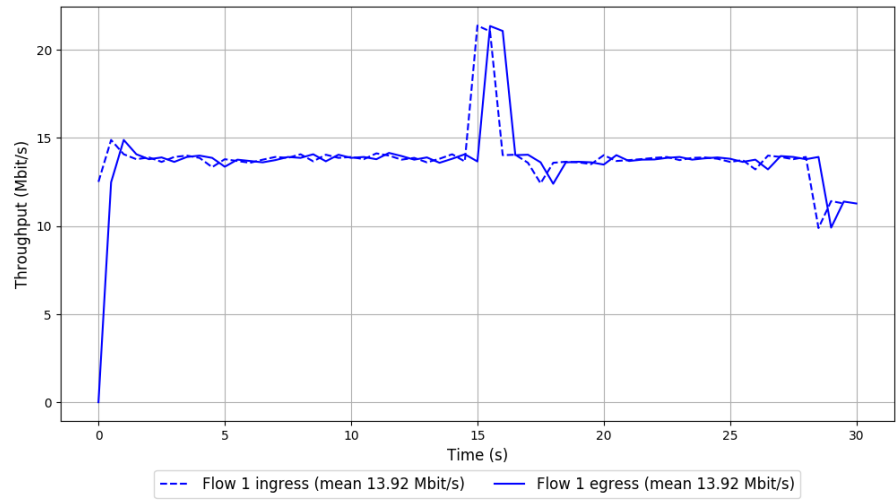


Run 1: Statistics of PCC-Expr

Start at: 2019-02-20 05:25:50
End at: 2019-02-20 05:26:20
Local clock offset: -0.933 ms
Remote clock offset: -1.633 ms

Below is generated by plot.py at 2019-02-20 07:12:17
Datalink statistics
-- Total of 1 flow:
Average throughput: 13.92 Mbit/s
95th percentile per-packet one-way delay: 0.832 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 13.92 Mbit/s
95th percentile per-packet one-way delay: 0.832 ms
Loss rate: 0.00%

Run 1: Report of PCC-Expr — Data Link

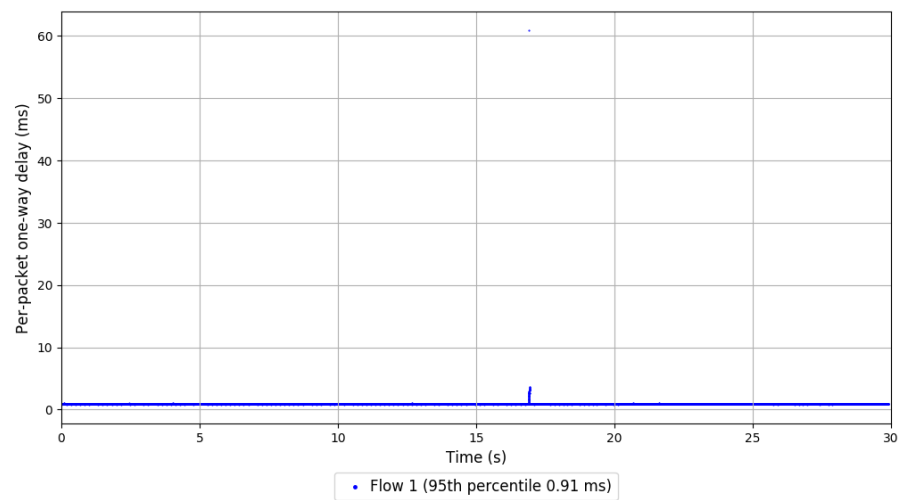
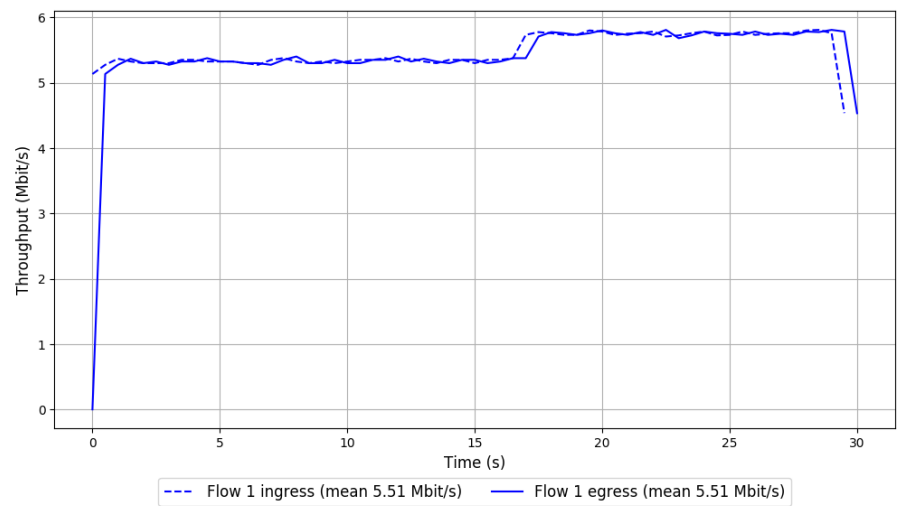


Run 2: Statistics of PCC-Expr

Start at: 2019-02-20 05:49:22
End at: 2019-02-20 05:49:52
Local clock offset: -1.208 ms
Remote clock offset: -0.605 ms

Below is generated by plot.py at 2019-02-20 07:12:17
Datalink statistics
-- Total of 1 flow:
Average throughput: 5.51 Mbit/s
95th percentile per-packet one-way delay: 0.911 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 5.51 Mbit/s
95th percentile per-packet one-way delay: 0.911 ms
Loss rate: 0.00%

Run 2: Report of PCC-Expr — Data Link



Run 3: Statistics of PCC-Expr

Start at: 2019-02-20 06:12:57

End at: 2019-02-20 06:13:27

Local clock offset: -5.973 ms

Remote clock offset: 0.166 ms

Below is generated by plot.py at 2019-02-20 07:12:17

Datalink statistics

-- Total of 1 flow:

Average throughput: 13.86 Mbit/s

95th percentile per-packet one-way delay: 1.048 ms

Loss rate: 0.01%

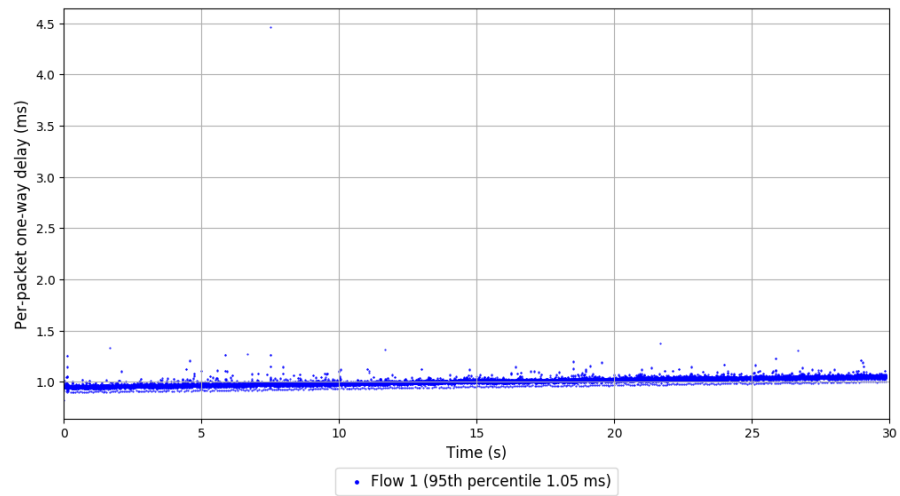
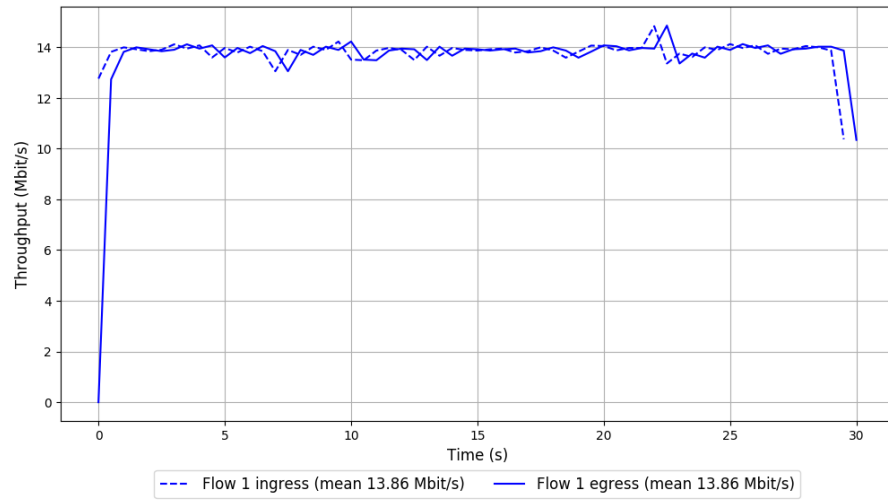
-- Flow 1:

Average throughput: 13.86 Mbit/s

95th percentile per-packet one-way delay: 1.048 ms

Loss rate: 0.01%

Run 3: Report of PCC-Expr — Data Link



Run 4: Statistics of PCC-Expr

Start at: 2019-02-20 06:36:26

End at: 2019-02-20 06:36:56

Local clock offset: -4.467 ms

Remote clock offset: 0.733 ms

Below is generated by plot.py at 2019-02-20 07:12:17

Datalink statistics

-- Total of 1 flow:

Average throughput: 8.63 Mbit/s

95th percentile per-packet one-way delay: 0.821 ms

Loss rate: 0.00%

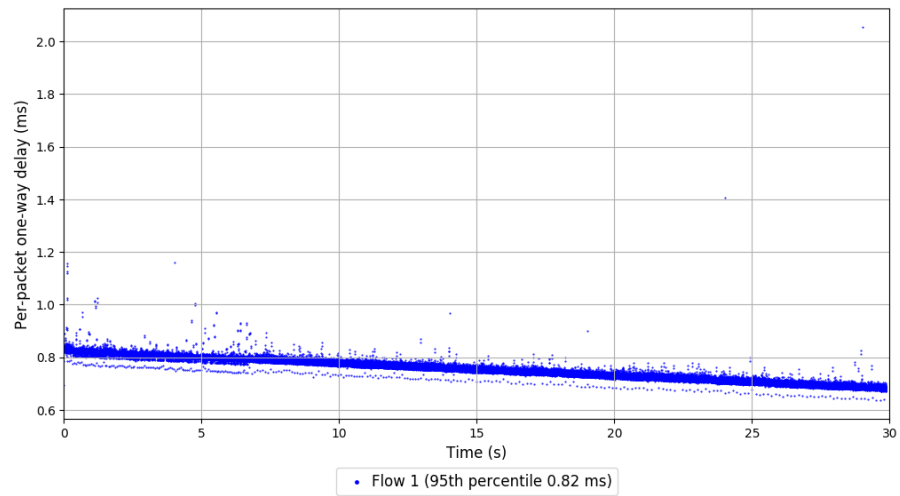
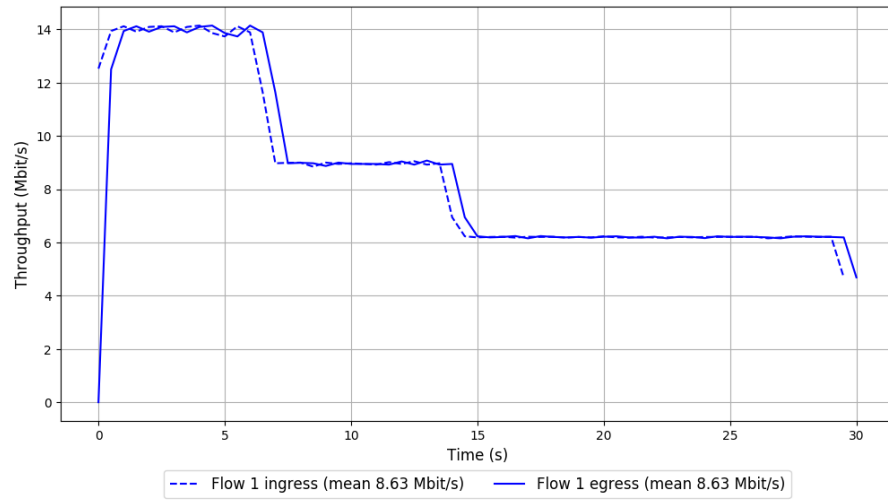
-- Flow 1:

Average throughput: 8.63 Mbit/s

95th percentile per-packet one-way delay: 0.821 ms

Loss rate: 0.00%

Run 4: Report of PCC-Expr — Data Link



Run 5: Statistics of PCC-Expr

Start at: 2019-02-20 06:59:58

End at: 2019-02-20 07:00:28

Local clock offset: -1.17 ms

Remote clock offset: 1.055 ms

Below is generated by plot.py at 2019-02-20 07:13:04

Datalink statistics

-- Total of 1 flow:

Average throughput: 64.88 Mbit/s

95th percentile per-packet one-way delay: 3.187 ms

Loss rate: 0.13%

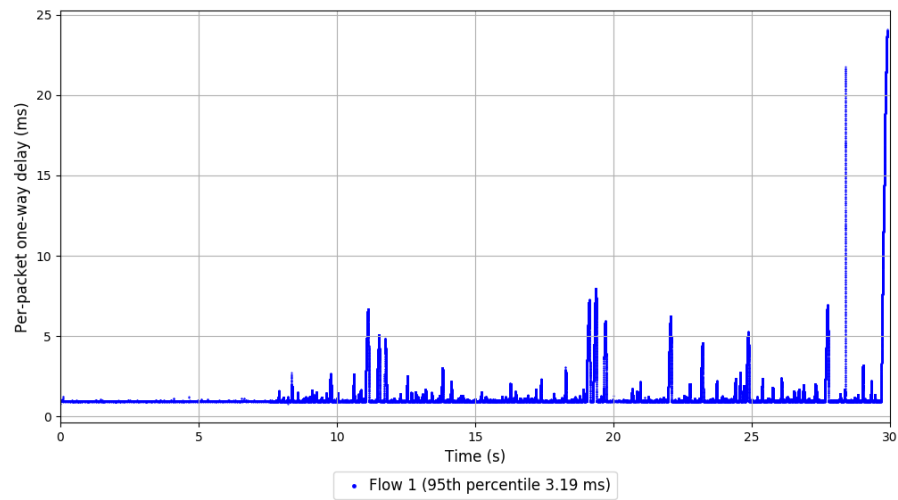
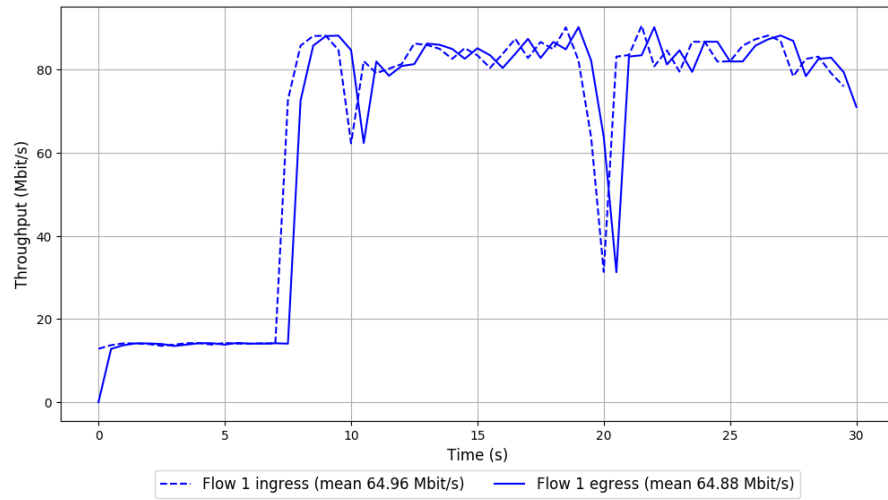
-- Flow 1:

Average throughput: 64.88 Mbit/s

95th percentile per-packet one-way delay: 3.187 ms

Loss rate: 0.13%

Run 5: Report of PCC-Expr — Data Link



Run 1: Statistics of QUIC Cubic

Start at: 2019-02-20 05:13:24

End at: 2019-02-20 05:13:54

Local clock offset: -2.234 ms

Remote clock offset: -2.263 ms

Below is generated by plot.py at 2019-02-20 07:13:04

Datalink statistics

-- Total of 1 flow:

Average throughput: 91.31 Mbit/s

95th percentile per-packet one-way delay: 6.723 ms

Loss rate: 0.01%

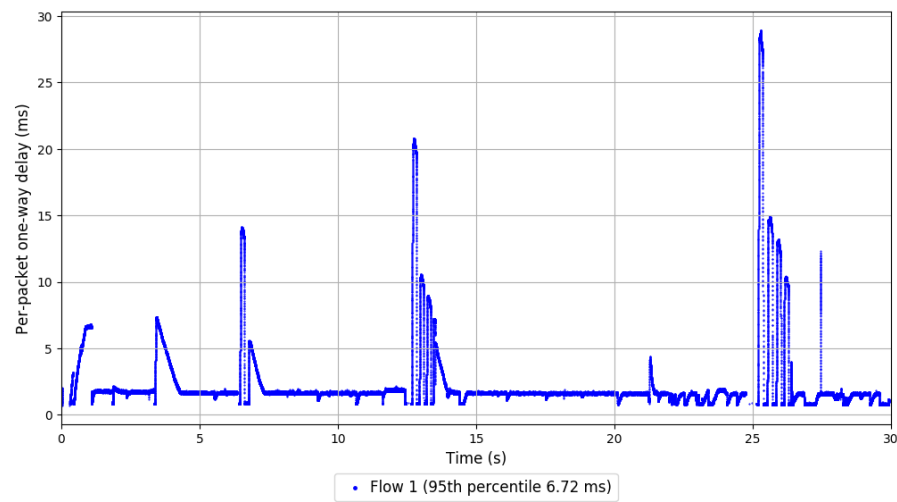
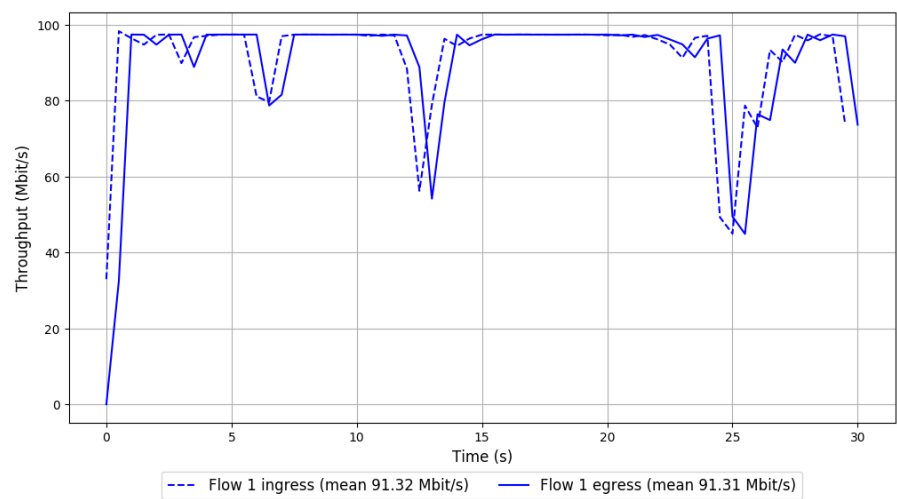
-- Flow 1:

Average throughput: 91.31 Mbit/s

95th percentile per-packet one-way delay: 6.723 ms

Loss rate: 0.01%

Run 1: Report of QUIC Cubic — Data Link



Run 2: Statistics of QUIC Cubic

Start at: 2019-02-20 05:36:57

End at: 2019-02-20 05:37:27

Local clock offset: -1.15 ms

Remote clock offset: -1.097 ms

Below is generated by plot.py at 2019-02-20 07:13:04

Datalink statistics

-- Total of 1 flow:

Average throughput: 89.28 Mbit/s

95th percentile per-packet one-way delay: 6.884 ms

Loss rate: 0.01%

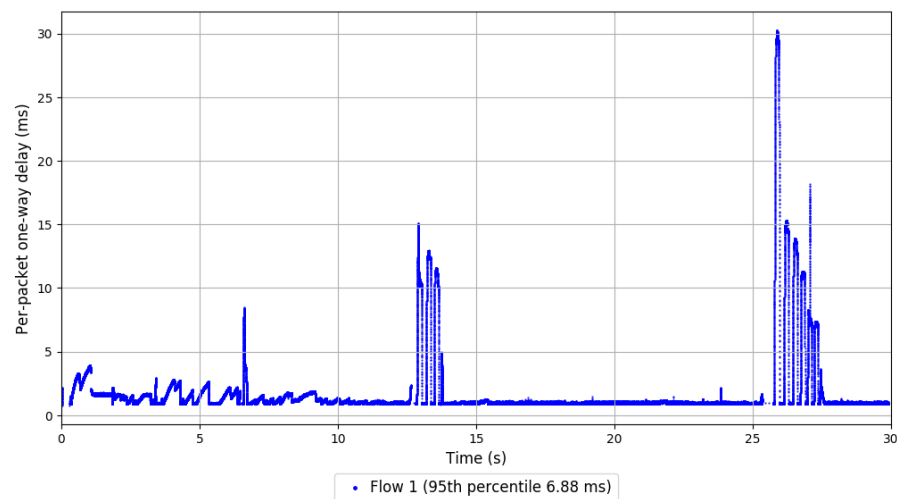
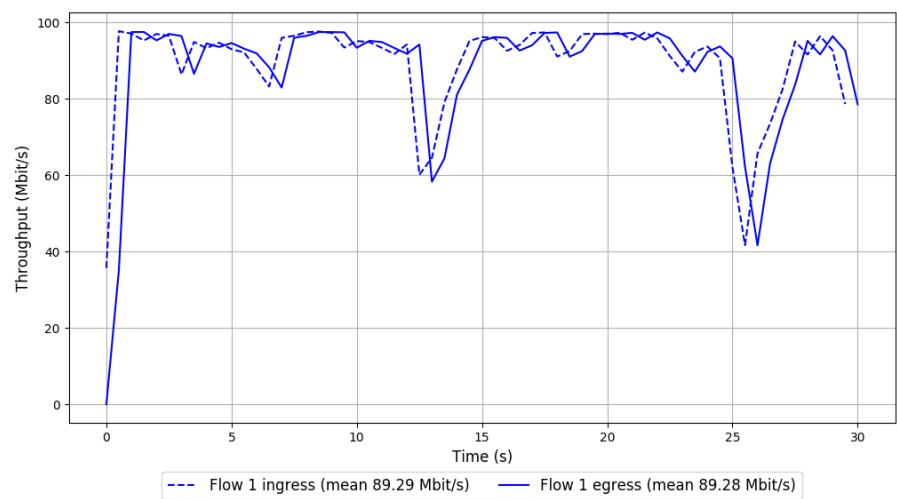
-- Flow 1:

Average throughput: 89.28 Mbit/s

95th percentile per-packet one-way delay: 6.884 ms

Loss rate: 0.01%

Run 2: Report of QUIC Cubic — Data Link



Run 3: Statistics of QUIC Cubic

Start at: 2019-02-20 06:00:30

End at: 2019-02-20 06:01:00

Local clock offset: -1.434 ms

Remote clock offset: -0.287 ms

Below is generated by plot.py at 2019-02-20 07:13:04

Datalink statistics

-- Total of 1 flow:

Average throughput: 91.85 Mbit/s

95th percentile per-packet one-way delay: 7.638 ms

Loss rate: 0.01%

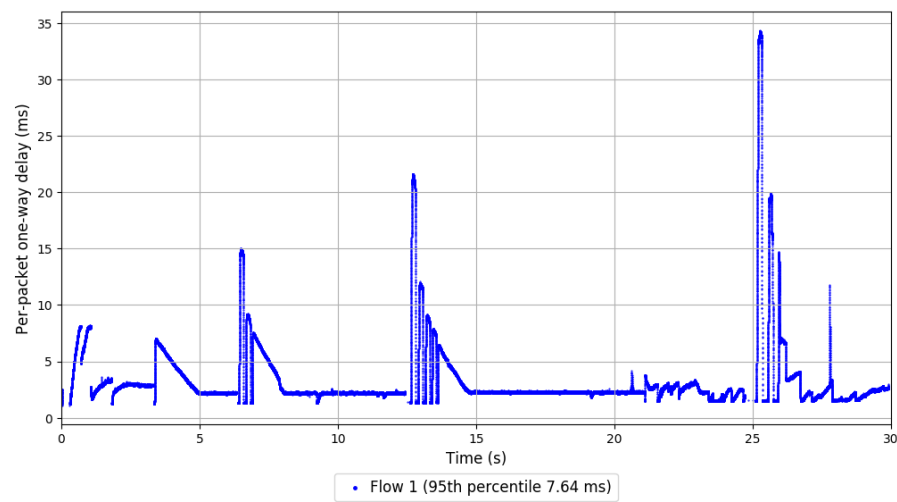
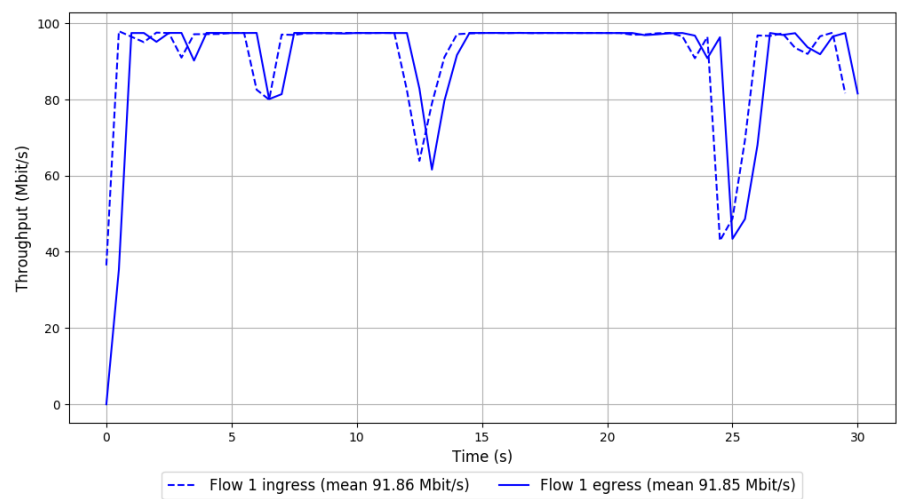
-- Flow 1:

Average throughput: 91.85 Mbit/s

95th percentile per-packet one-way delay: 7.638 ms

Loss rate: 0.01%

Run 3: Report of QUIC Cubic — Data Link



Run 4: Statistics of QUIC Cubic

Start at: 2019-02-20 06:24:05

End at: 2019-02-20 06:24:35

Local clock offset: -7.29 ms

Remote clock offset: 0.467 ms

Below is generated by plot.py at 2019-02-20 07:13:04

Datalink statistics

-- Total of 1 flow:

Average throughput: 89.58 Mbit/s

95th percentile per-packet one-way delay: 6.693 ms

Loss rate: 0.01%

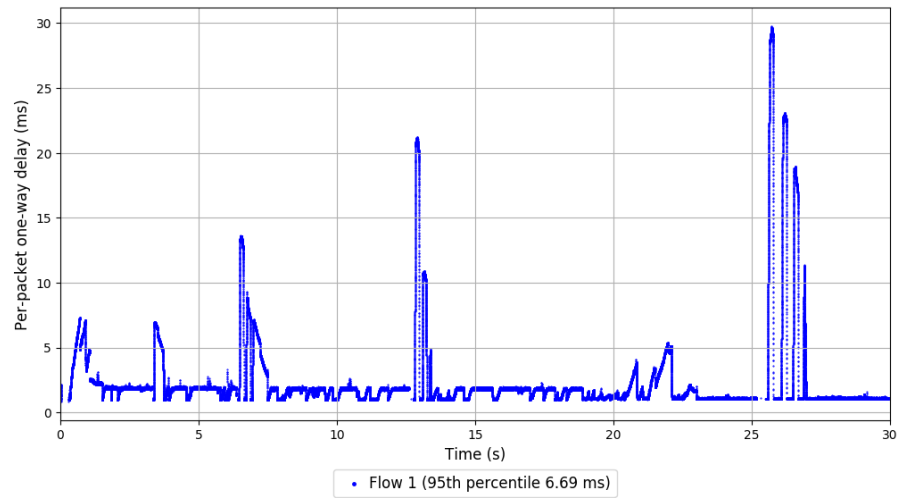
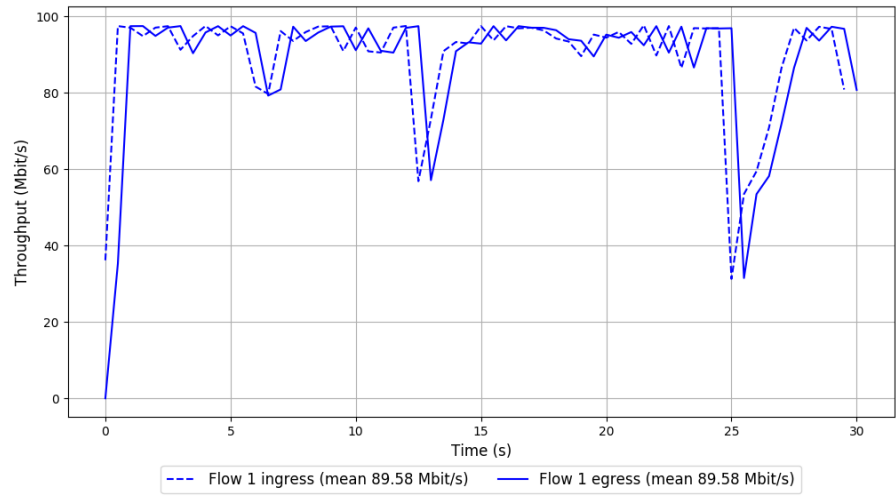
-- Flow 1:

Average throughput: 89.58 Mbit/s

95th percentile per-packet one-way delay: 6.693 ms

Loss rate: 0.01%

Run 4: Report of QUIC Cubic — Data Link



Run 5: Statistics of QUIC Cubic

Start at: 2019-02-20 06:47:32

End at: 2019-02-20 06:48:02

Local clock offset: -2.15 ms

Remote clock offset: 0.905 ms

Below is generated by plot.py at 2019-02-20 07:13:18

Datalink statistics

-- Total of 1 flow:

Average throughput: 91.16 Mbit/s

95th percentile per-packet one-way delay: 6.802 ms

Loss rate: 0.01%

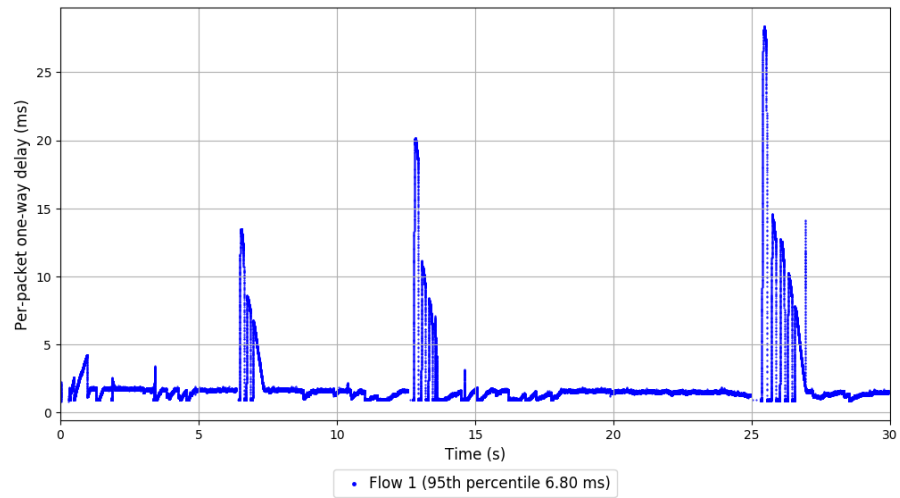
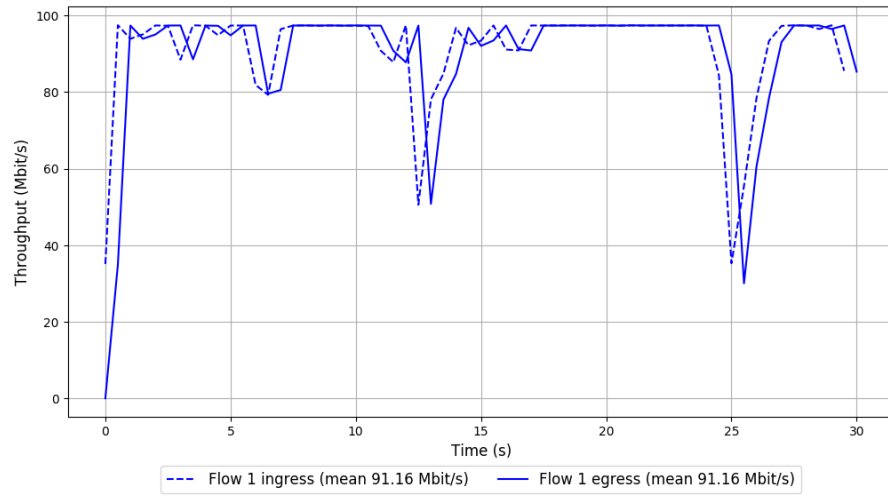
-- Flow 1:

Average throughput: 91.16 Mbit/s

95th percentile per-packet one-way delay: 6.802 ms

Loss rate: 0.01%

Run 5: Report of QUIC Cubic — Data Link

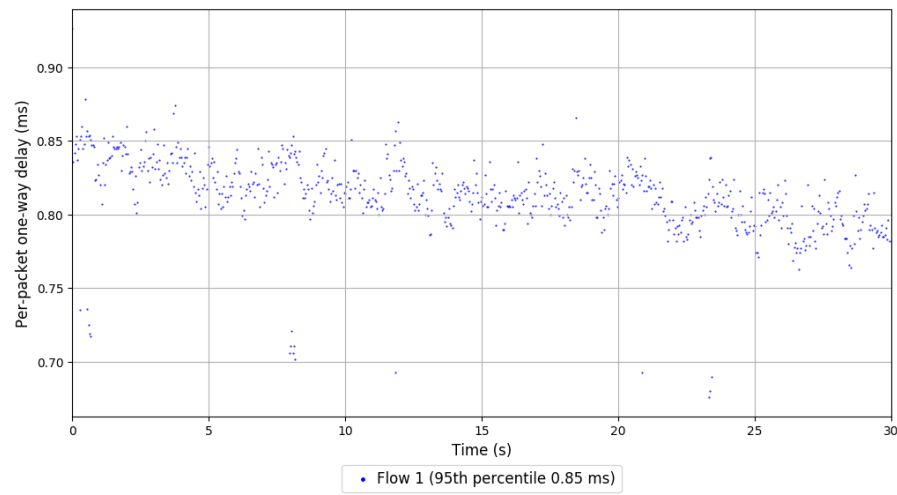
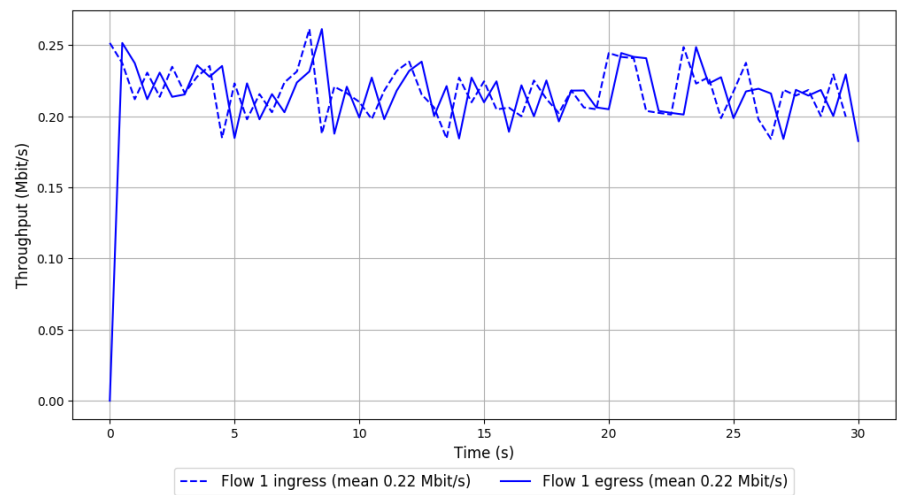


```
Run 1: Statistics of SCReAM

Start at: 2019-02-20 05:14:32
End at: 2019-02-20 05:15:02
Local clock offset: -2.035 ms
Remote clock offset: -2.2 ms

# Below is generated by plot.py at 2019-02-20 07:13:18
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 0.847 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 0.847 ms
Loss rate: 0.13%
```

Run 1: Report of SReAM — Data Link

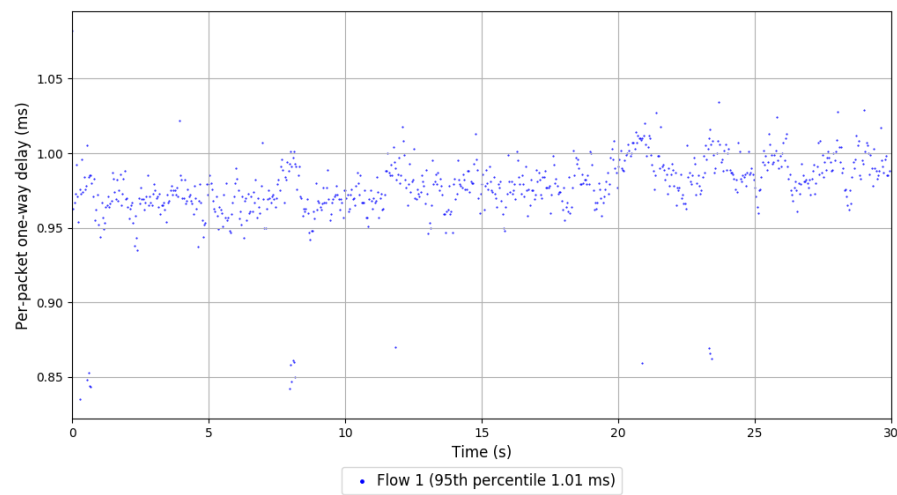
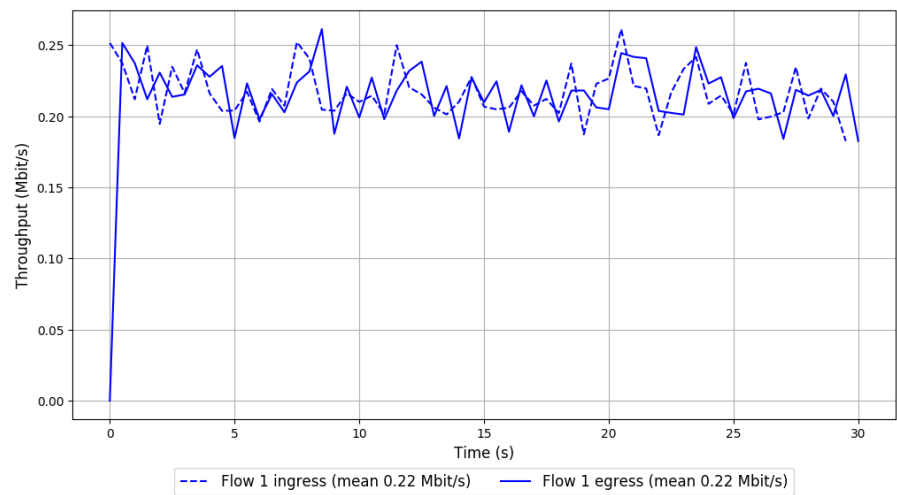


Run 2: Statistics of SCReAM

Start at: 2019-02-20 05:38:05
End at: 2019-02-20 05:38:35
Local clock offset: -1.183 ms
Remote clock offset: -1.114 ms

Below is generated by plot.py at 2019-02-20 07:13:18
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 1.007 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 1.007 ms
Loss rate: 0.00%

Run 2: Report of SReAM — Data Link

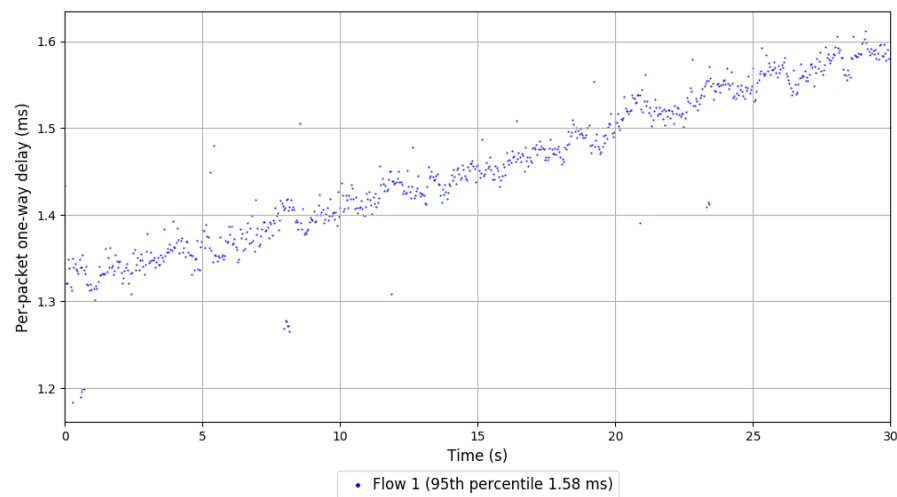
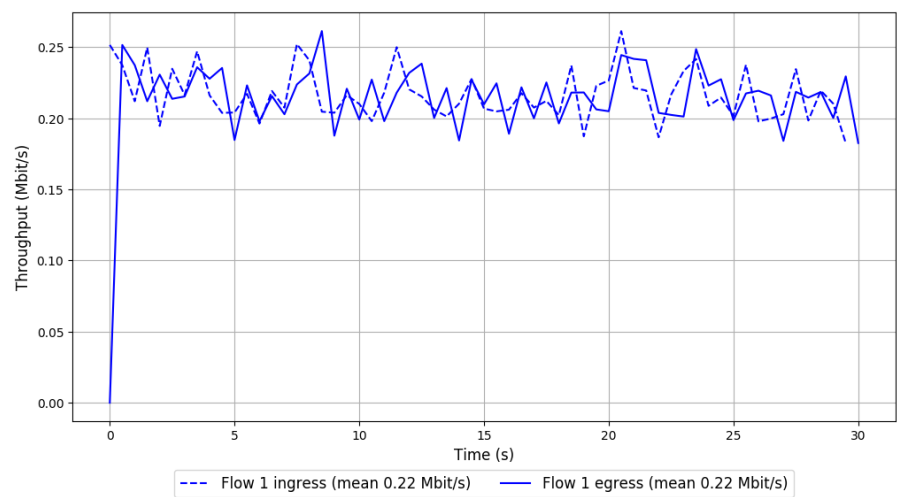


Run 3: Statistics of SCReAM

Start at: 2019-02-20 06:01:38
End at: 2019-02-20 06:02:08
Local clock offset: -1.981 ms
Remote clock offset: -0.222 ms

Below is generated by plot.py at 2019-02-20 07:13:18
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 1.583 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 1.583 ms
Loss rate: 0.00%

Run 3: Report of SReAM — Data Link



Run 4: Statistics of SCReAM

Start at: 2019-02-20 06:25:13

End at: 2019-02-20 06:25:43

Local clock offset: -7.369 ms

Remote clock offset: 0.514 ms

Below is generated by plot.py at 2019-02-20 07:13:18

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 1.038 ms

Loss rate: 0.00%

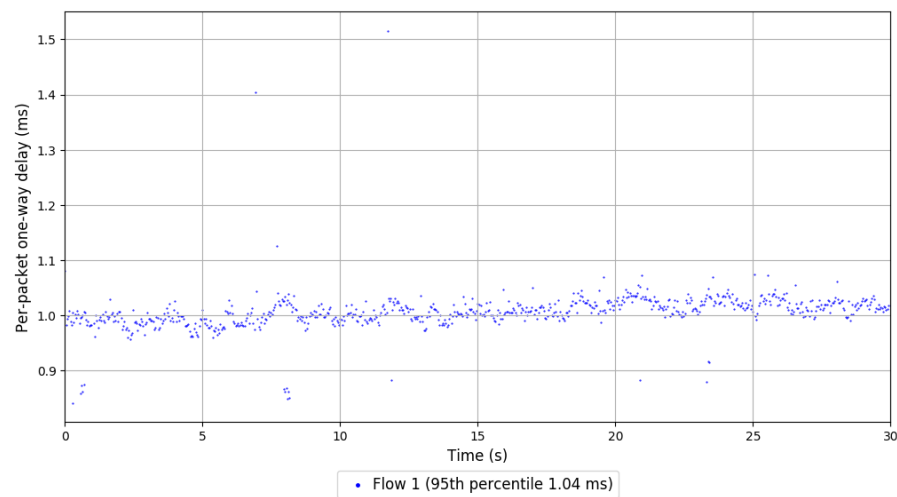
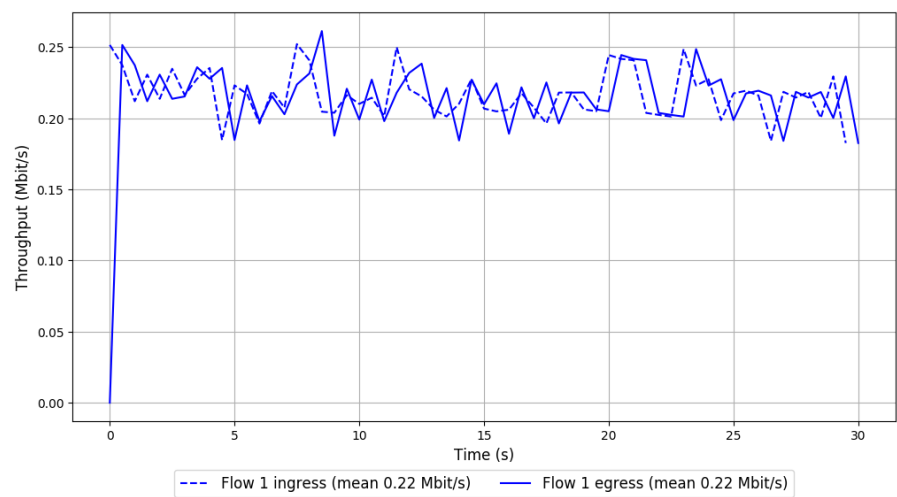
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 1.038 ms

Loss rate: 0.00%

Run 4: Report of SReAM — Data Link



Run 5: Statistics of SCReAM

Start at: 2019-02-20 06:48:40

End at: 2019-02-20 06:49:10

Local clock offset: -2.016 ms

Remote clock offset: 1.009 ms

Below is generated by plot.py at 2019-02-20 07:13:18

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 0.836 ms

Loss rate: 0.00%

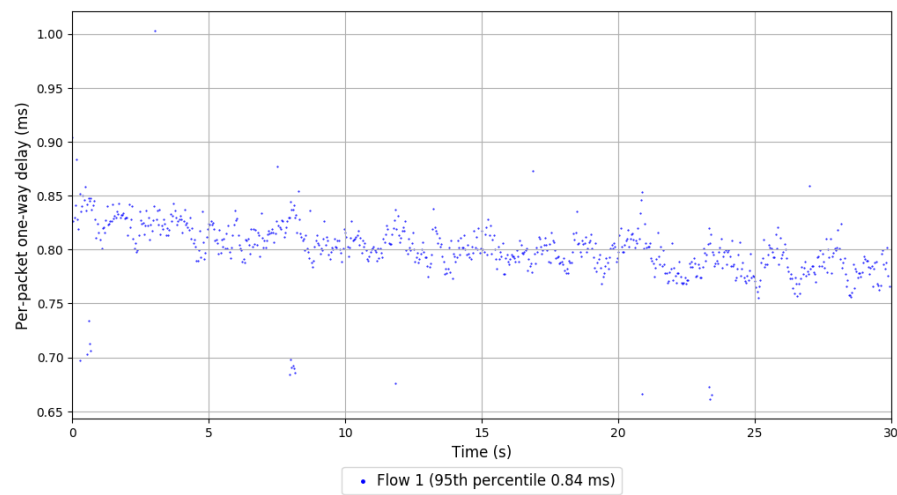
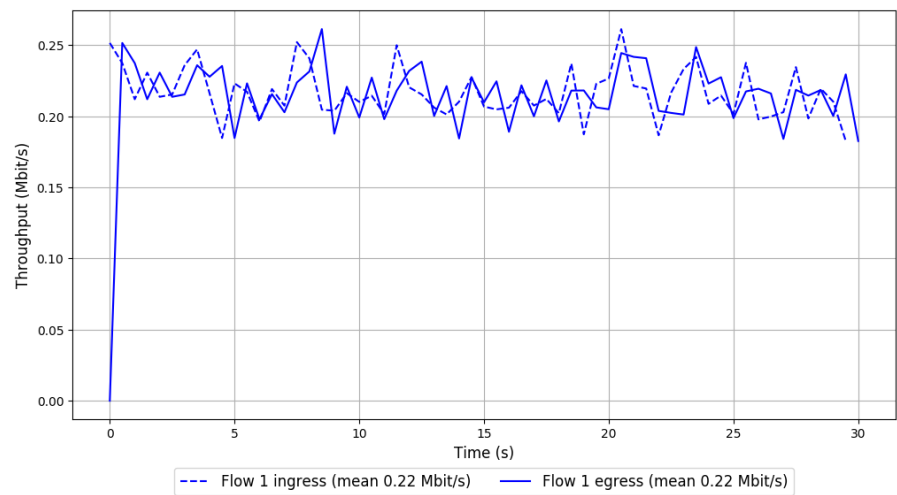
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 0.836 ms

Loss rate: 0.00%

Run 5: Report of SReAM — Data Link

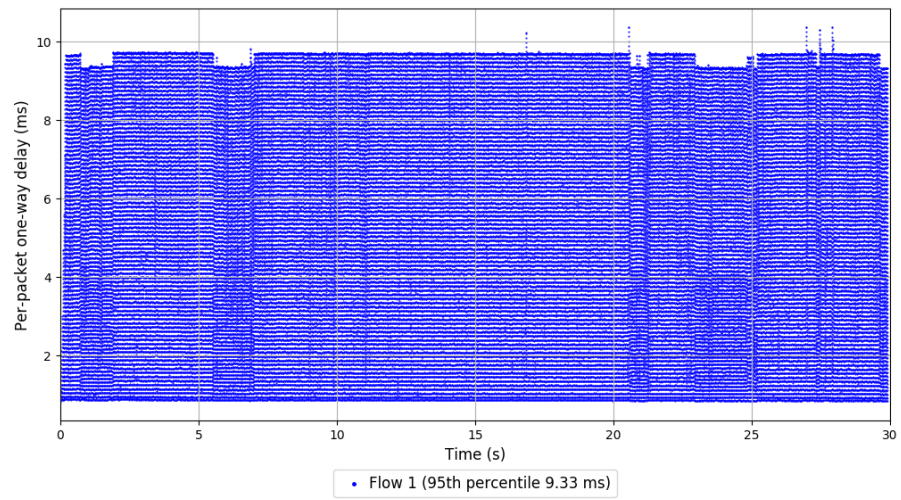
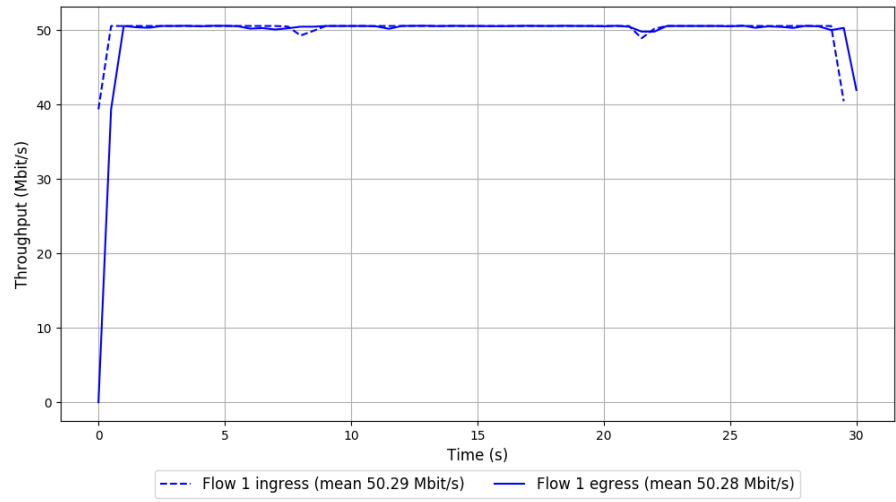


Run 1: Statistics of Sprout

Start at: 2019-02-20 05:19:05
End at: 2019-02-20 05:19:35
Local clock offset: -1.486 ms
Remote clock offset: -1.951 ms

Below is generated by plot.py at 2019-02-20 07:13:18
Datalink statistics
-- Total of 1 flow:
Average throughput: 50.28 Mbit/s
95th percentile per-packet one-way delay: 9.327 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 50.28 Mbit/s
95th percentile per-packet one-way delay: 9.327 ms
Loss rate: 0.00%

Run 1: Report of Sprout — Data Link

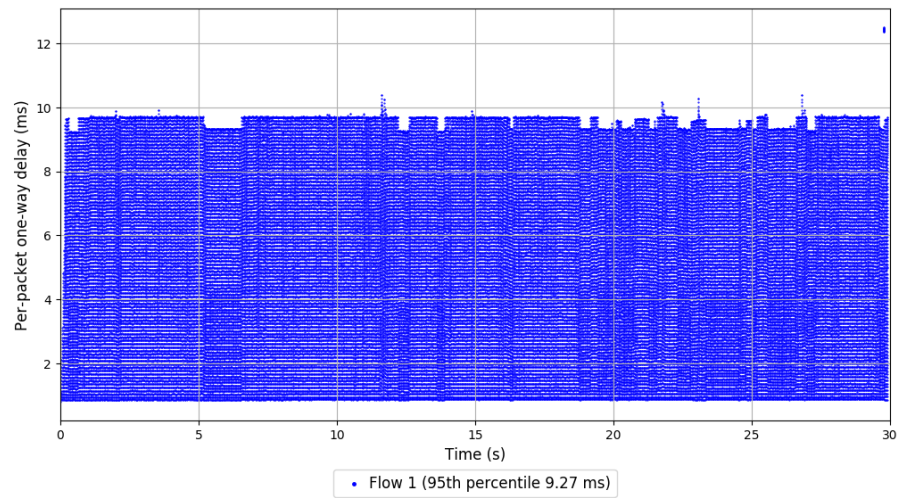
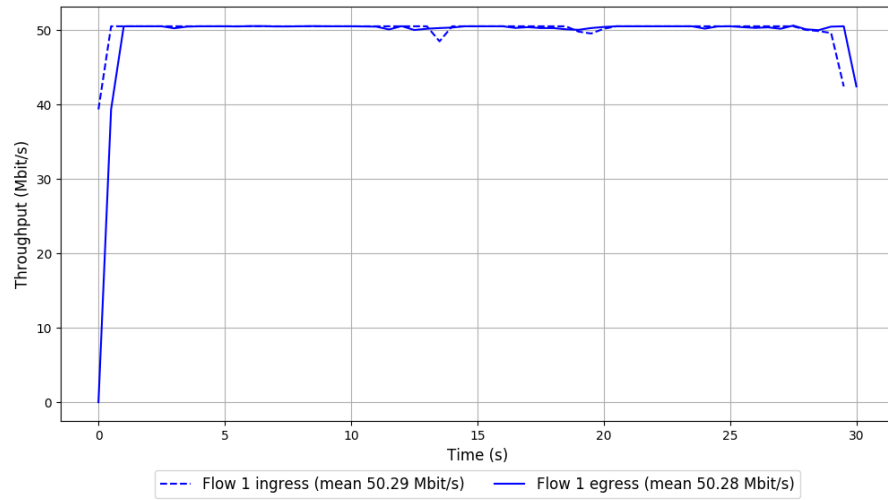


Run 2: Statistics of Sprout

Start at: 2019-02-20 05:42:38
End at: 2019-02-20 05:43:08
Local clock offset: -1.33 ms
Remote clock offset: -0.874 ms

Below is generated by plot.py at 2019-02-20 07:13:18
Datalink statistics
-- Total of 1 flow:
Average throughput: 50.28 Mbit/s
95th percentile per-packet one-way delay: 9.265 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 50.28 Mbit/s
95th percentile per-packet one-way delay: 9.265 ms
Loss rate: 0.00%

Run 2: Report of Sprout — Data Link

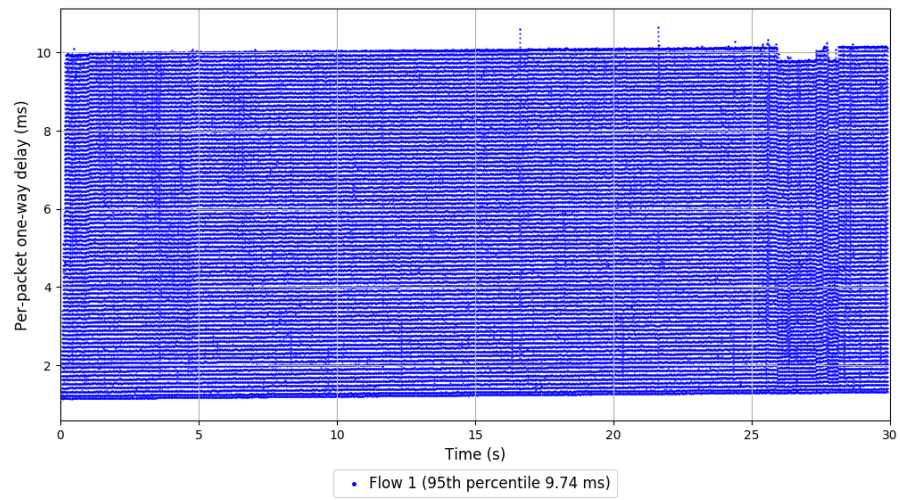
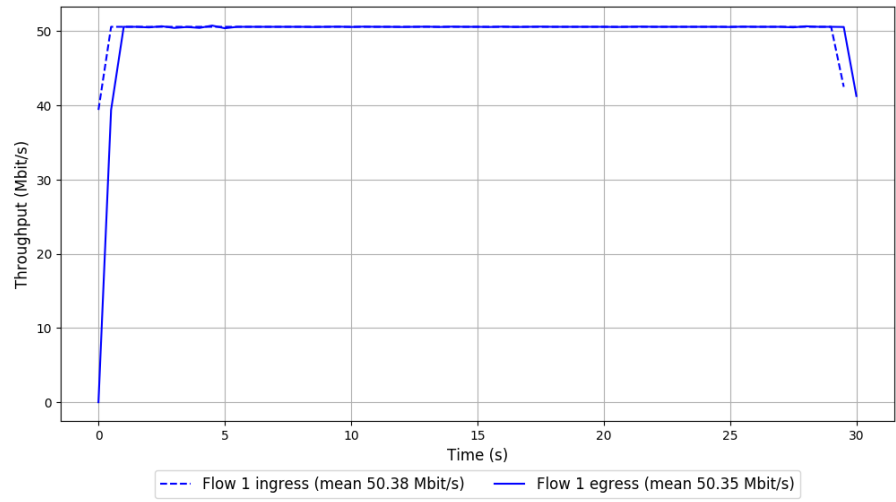


Run 3: Statistics of Sprout

Start at: 2019-02-20 06:06:10
End at: 2019-02-20 06:06:40
Local clock offset: -4.144 ms
Remote clock offset: -0.039 ms

Below is generated by plot.py at 2019-02-20 07:13:25
Datalink statistics
-- Total of 1 flow:
Average throughput: 50.35 Mbit/s
95th percentile per-packet one-way delay: 9.738 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 50.35 Mbit/s
95th percentile per-packet one-way delay: 9.738 ms
Loss rate: 0.05%

Run 3: Report of Sprout — Data Link



Run 4: Statistics of Sprout

Start at: 2019-02-20 06:29:39

End at: 2019-02-20 06:30:09

Local clock offset: -7.688 ms

Remote clock offset: 0.619 ms

Below is generated by plot.py at 2019-02-20 07:13:29

Datalink statistics

-- Total of 1 flow:

Average throughput: 50.34 Mbit/s

95th percentile per-packet one-way delay: 9.182 ms

Loss rate: 0.06%

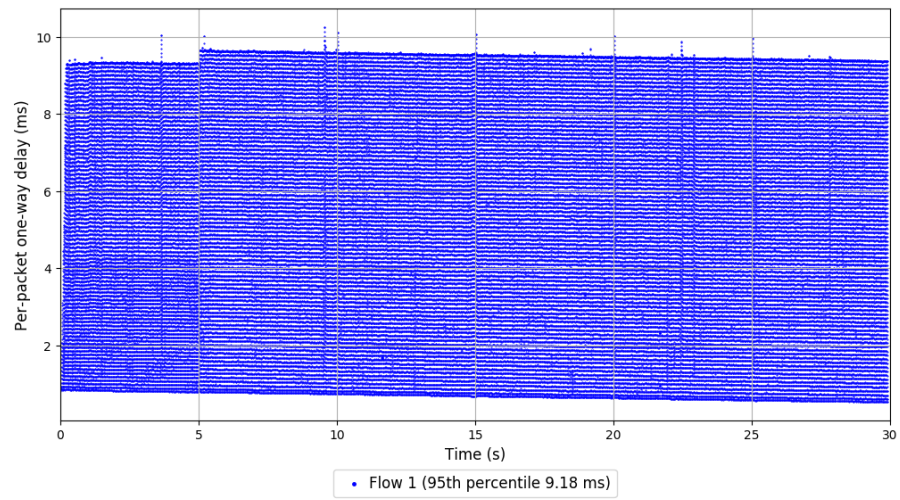
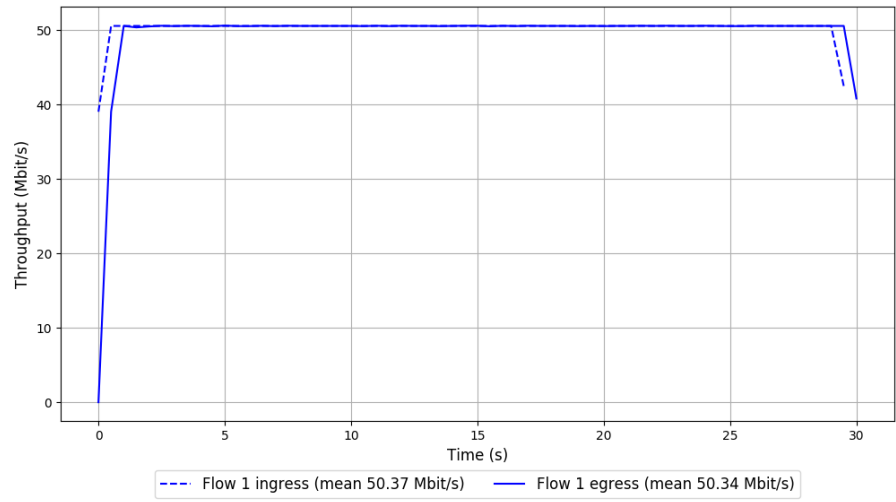
-- Flow 1:

Average throughput: 50.34 Mbit/s

95th percentile per-packet one-way delay: 9.182 ms

Loss rate: 0.06%

Run 4: Report of Sprout — Data Link



Run 5: Statistics of Sprout

Start at: 2019-02-20 06:53:12

End at: 2019-02-20 06:53:42

Local clock offset: -1.667 ms

Remote clock offset: 0.945 ms

Below is generated by plot.py at 2019-02-20 07:13:32

Datalink statistics

-- Total of 1 flow:

Average throughput: 50.21 Mbit/s

95th percentile per-packet one-way delay: 9.251 ms

Loss rate: 0.00%

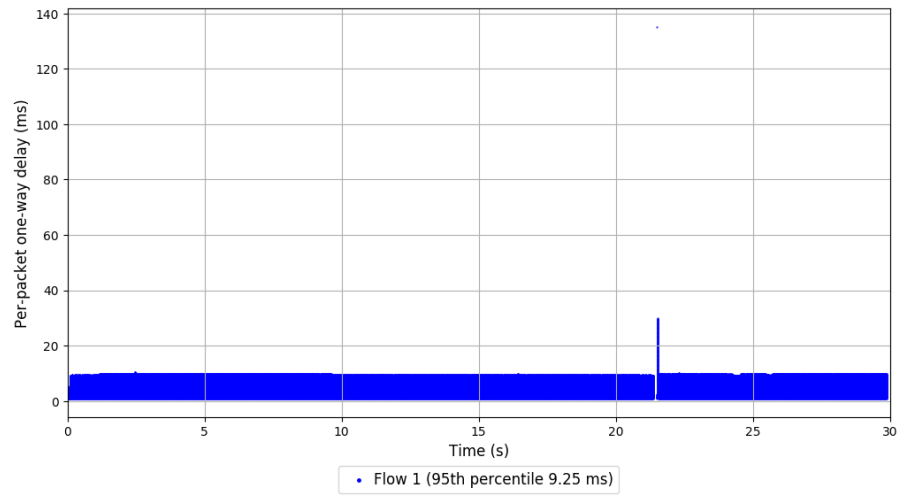
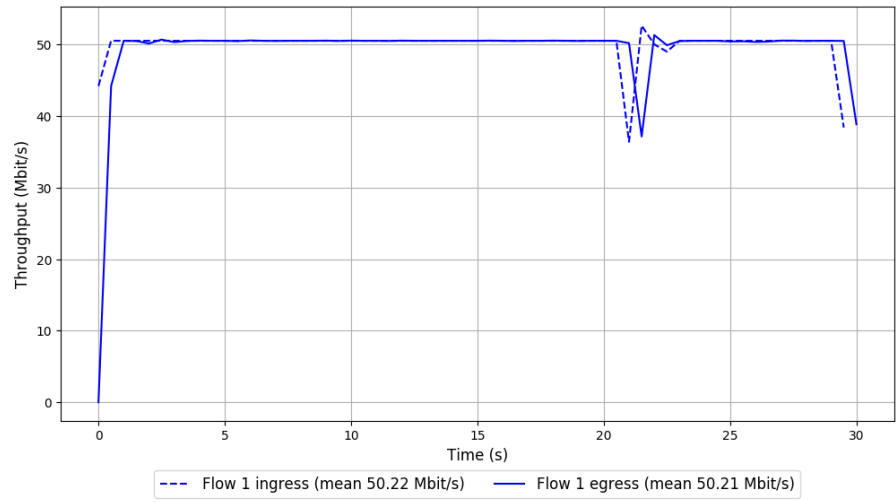
-- Flow 1:

Average throughput: 50.21 Mbit/s

95th percentile per-packet one-way delay: 9.251 ms

Loss rate: 0.00%

Run 5: Report of Sprout — Data Link



Run 1: Statistics of TaoVA-100x

Start at: 2019-02-20 05:17:54

End at: 2019-02-20 05:18:24

Local clock offset: -1.614 ms

Remote clock offset: -2.081 ms

Below is generated by plot.py at 2019-02-20 07:14:55

Datalink statistics

-- Total of 1 flow:

Average throughput: 86.18 Mbit/s

95th percentile per-packet one-way delay: 0.916 ms

Loss rate: 0.01%

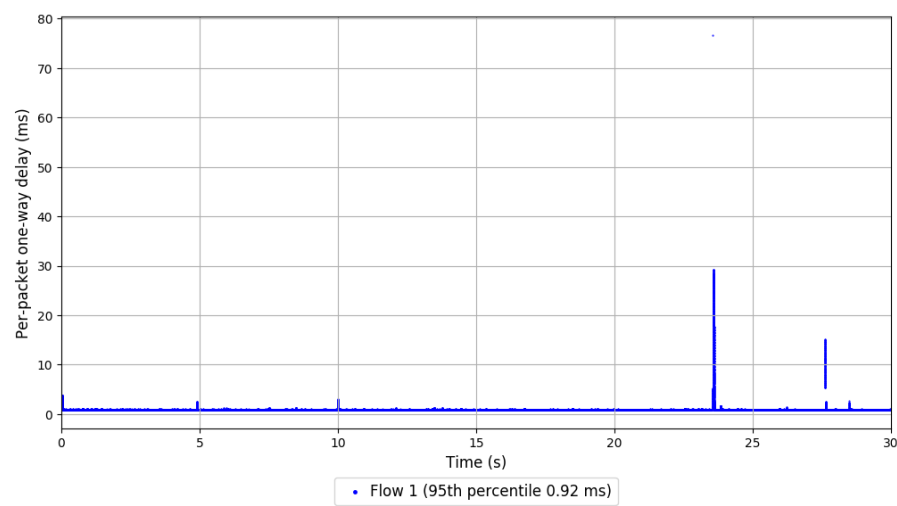
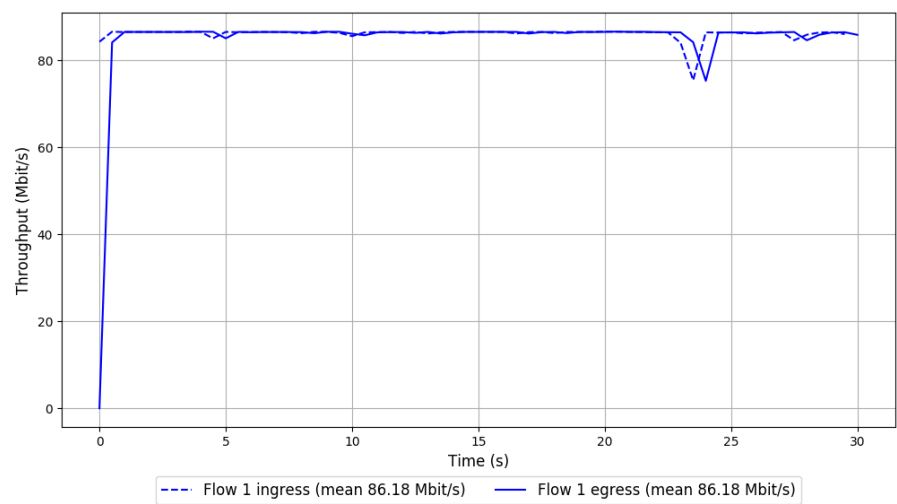
-- Flow 1:

Average throughput: 86.18 Mbit/s

95th percentile per-packet one-way delay: 0.916 ms

Loss rate: 0.01%

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



Run 2: Statistics of TaoVA-100x

Start at: 2019-02-20 05:41:27

End at: 2019-02-20 05:41:57

Local clock offset: -1.265 ms

Remote clock offset: -1.052 ms

Below is generated by plot.py at 2019-02-20 07:14:56

Datalink statistics

-- Total of 1 flow:

Average throughput: 86.29 Mbit/s

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

Loss rate: 0.01%

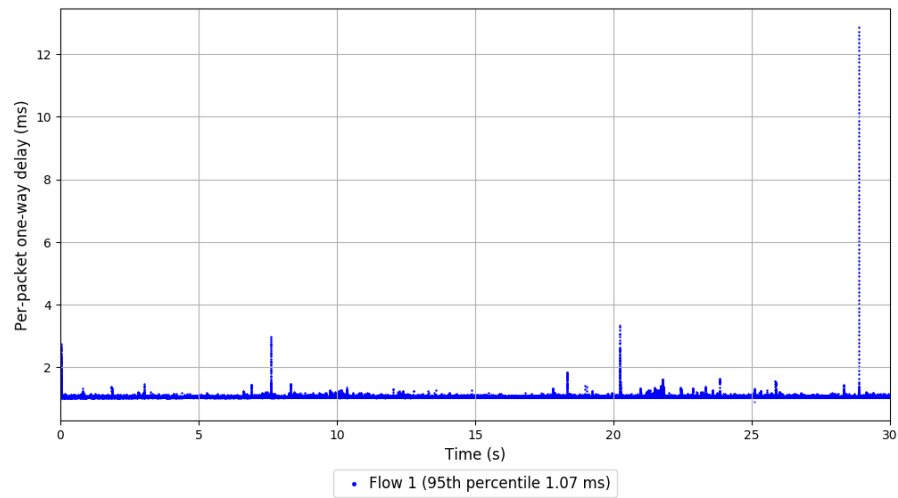
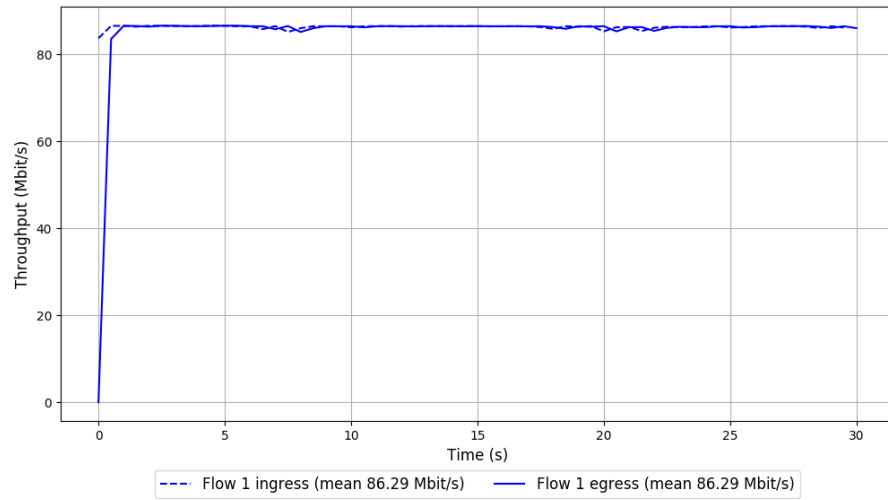
-- Flow 1:

Average throughput: 86.29 Mbit/s

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

Loss rate: 0.01%

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



Run 3: Statistics of TaoVA-100x

Start at: 2019-02-20 06:05:00

End at: 2019-02-20 06:05:30

Local clock offset: -3.665 ms

Remote clock offset: 0.005 ms

Below is generated by plot.py at 2019-02-20 07:14:57

Datalink statistics

-- Total of 1 flow:

Average throughput: 86.35 Mbit/s

95th percentile per-packet one-way delay: 1.268 ms

Loss rate: 0.01%

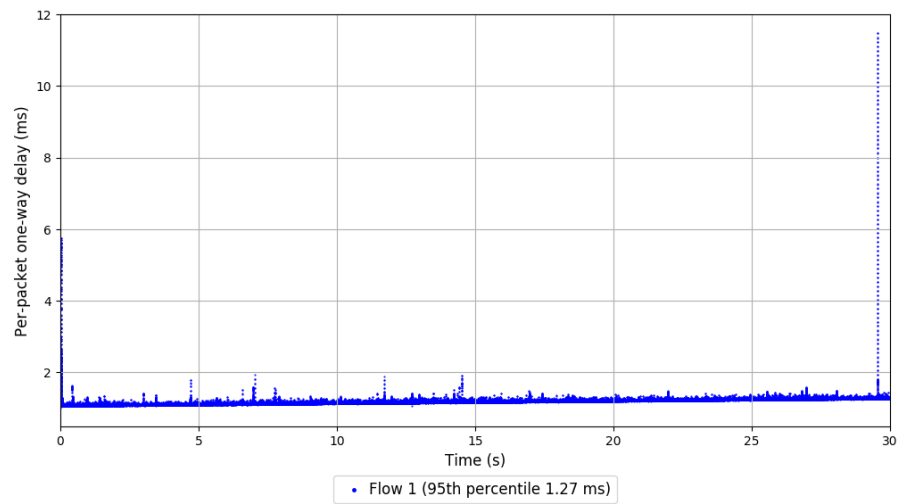
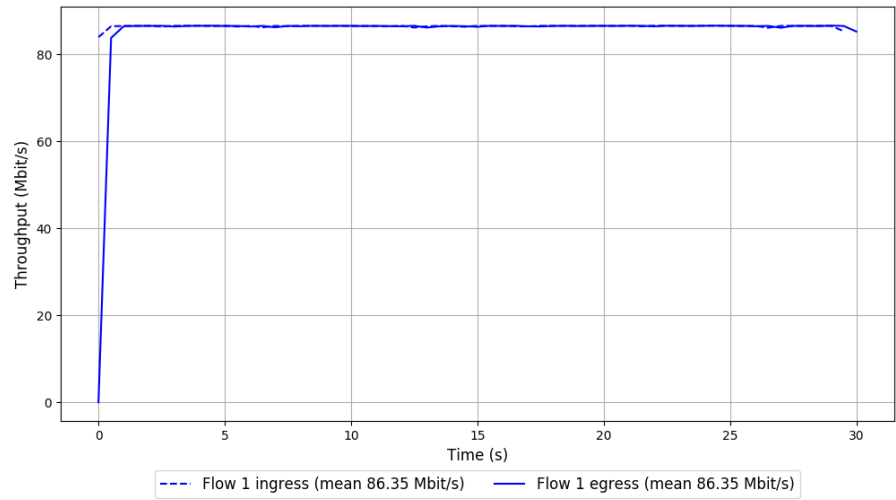
-- Flow 1:

Average throughput: 86.35 Mbit/s

95th percentile per-packet one-way delay: 1.268 ms

Loss rate: 0.01%

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



Run 4: Statistics of TaoVA-100x

Start at: 2019-02-20 06:28:34

End at: 2019-02-20 06:29:04

Local clock offset: -7.624 ms

Remote clock offset: 0.644 ms

Below is generated by plot.py at 2019-02-20 07:14:57

Datalink statistics

-- Total of 1 flow:

Average throughput: 10.88 Mbit/s

95th percentile per-packet one-way delay: 0.982 ms

Loss rate: 0.00%

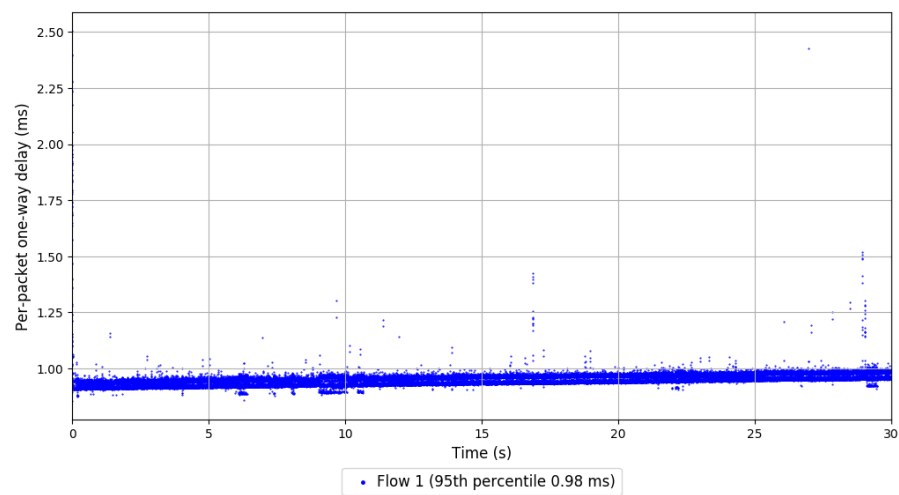
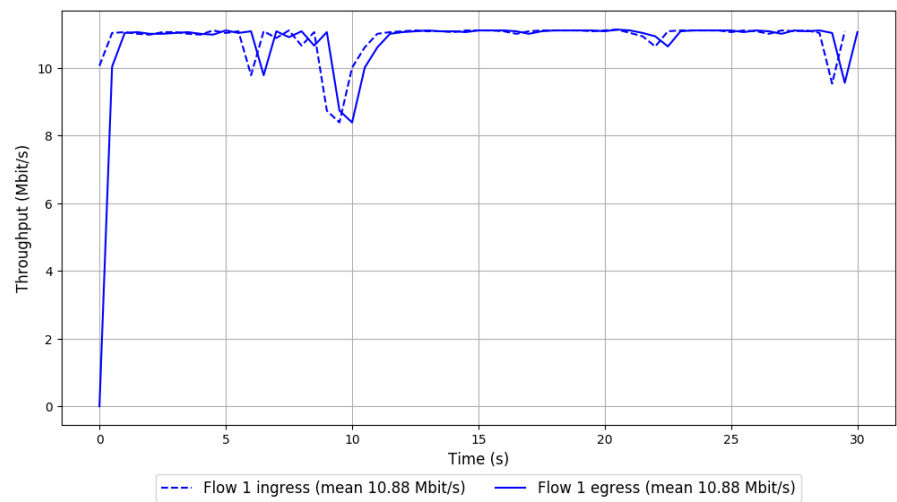
-- Flow 1:

Average throughput: 10.88 Mbit/s

95th percentile per-packet one-way delay: 0.982 ms

Loss rate: 0.00%

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



Run 5: Statistics of TaoVA-100x

Start at: 2019-02-20 06:52:02

End at: 2019-02-20 06:52:32

Local clock offset: -1.687 ms

Remote clock offset: 1.014 ms

Below is generated by plot.py at 2019-02-20 07:15:07

Datalink statistics

-- Total of 1 flow:

Average throughput: 78.61 Mbit/s

95th percentile per-packet one-way delay: 0.876 ms

Loss rate: 0.00%

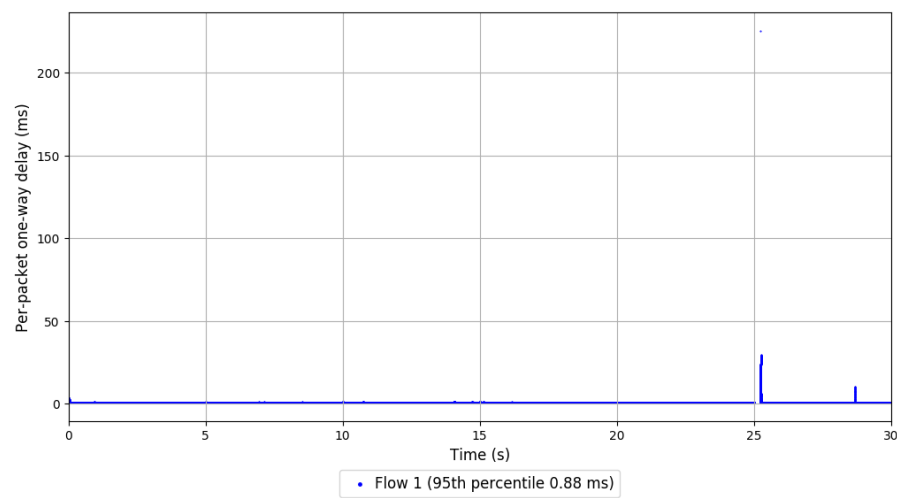
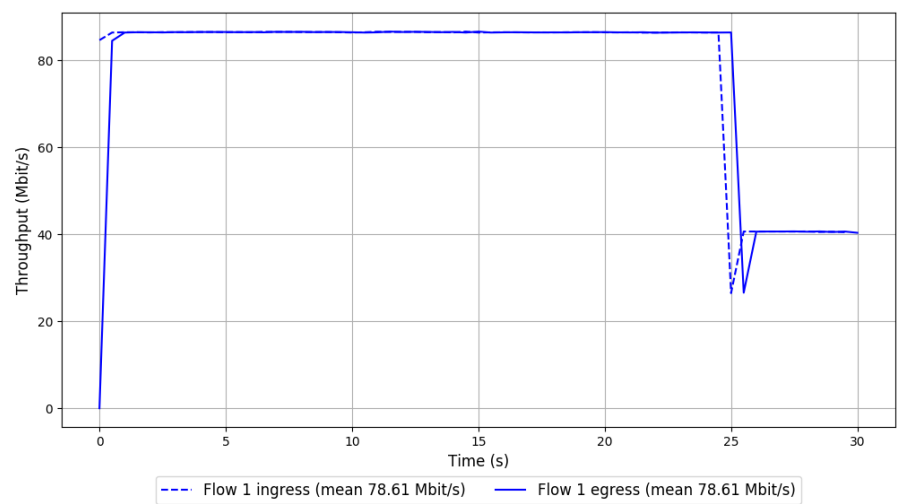
-- Flow 1:

Average throughput: 78.61 Mbit/s

95th percentile per-packet one-way delay: 0.876 ms

Loss rate: 0.00%

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

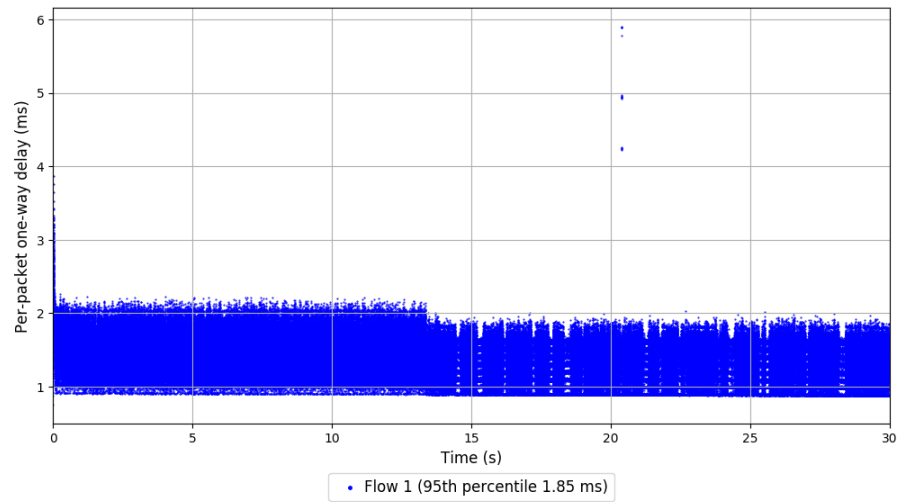
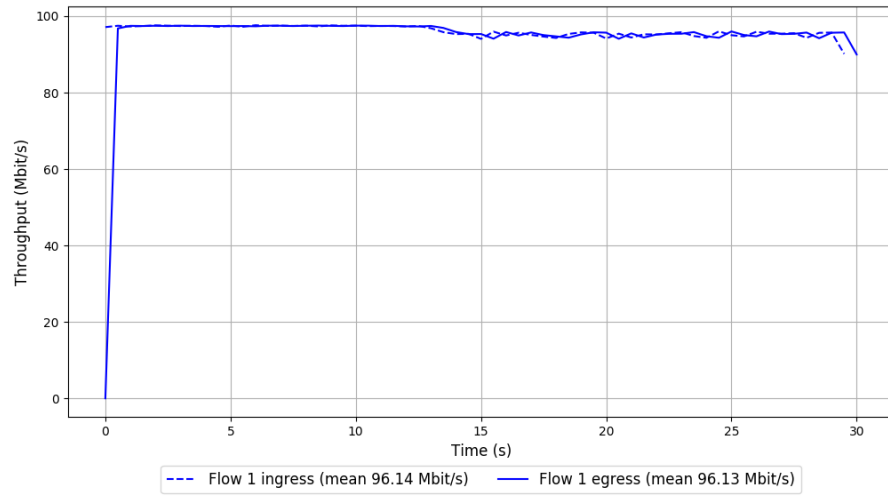


Run 1: Statistics of TCP Vegas

Start at: 2019-02-20 05:16:46
End at: 2019-02-20 05:17:16
Local clock offset: -1.787 ms
Remote clock offset: -2.158 ms

Below is generated by plot.py at 2019-02-20 07:15:07
Datalink statistics
-- Total of 1 flow:
Average throughput: 96.13 Mbit/s
95th percentile per-packet one-way delay: 1.848 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 96.13 Mbit/s
95th percentile per-packet one-way delay: 1.848 ms
Loss rate: 0.01%

Run 1: Report of TCP Vegas — Data Link

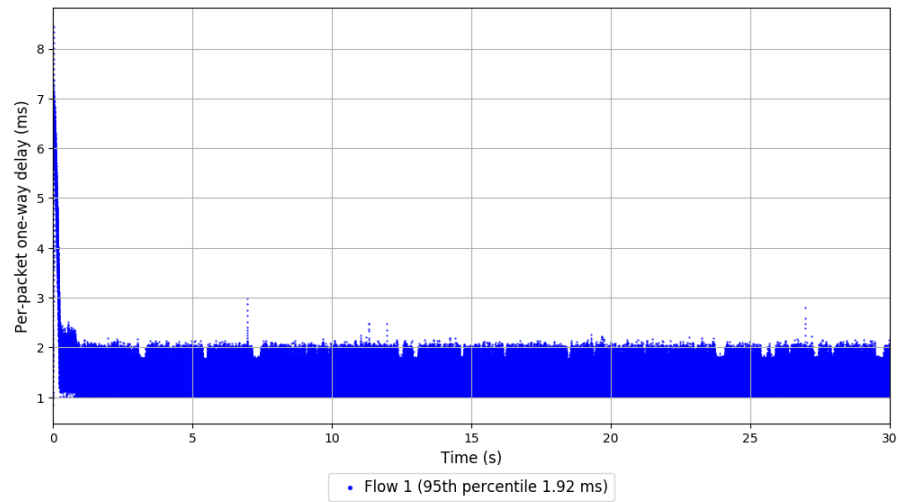
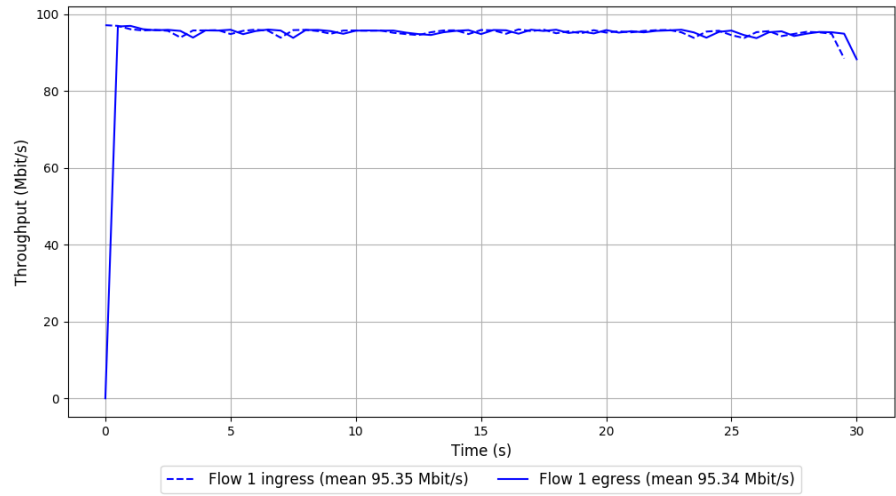


Run 2: Statistics of TCP Vegas

Start at: 2019-02-20 05:40:19
End at: 2019-02-20 05:40:49
Local clock offset: -1.231 ms
Remote clock offset: -1.037 ms

Below is generated by plot.py at 2019-02-20 07:15:07
Datalink statistics
-- Total of 1 flow:
Average throughput: 95.34 Mbit/s
95th percentile per-packet one-way delay: 1.919 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 95.34 Mbit/s
95th percentile per-packet one-way delay: 1.919 ms
Loss rate: 0.01%

Run 2: Report of TCP Vegas — Data Link



Run 3: Statistics of TCP Vegas

Start at: 2019-02-20 06:03:52

End at: 2019-02-20 06:04:22

Local clock offset: -3.262 ms

Remote clock offset: -0.13 ms

Below is generated by plot.py at 2019-02-20 07:15:07

Datalink statistics

-- Total of 1 flow:

Average throughput: 95.32 Mbit/s

95th percentile per-packet one-way delay: 2.105 ms

Loss rate: 0.01%

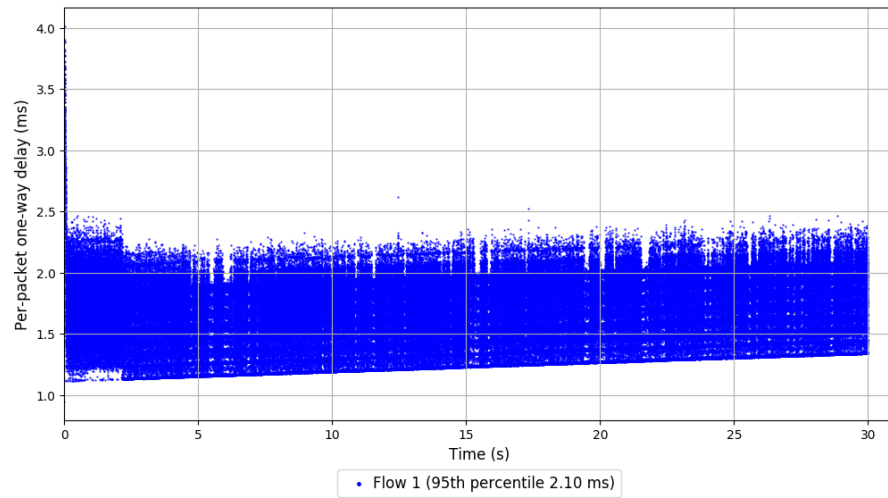
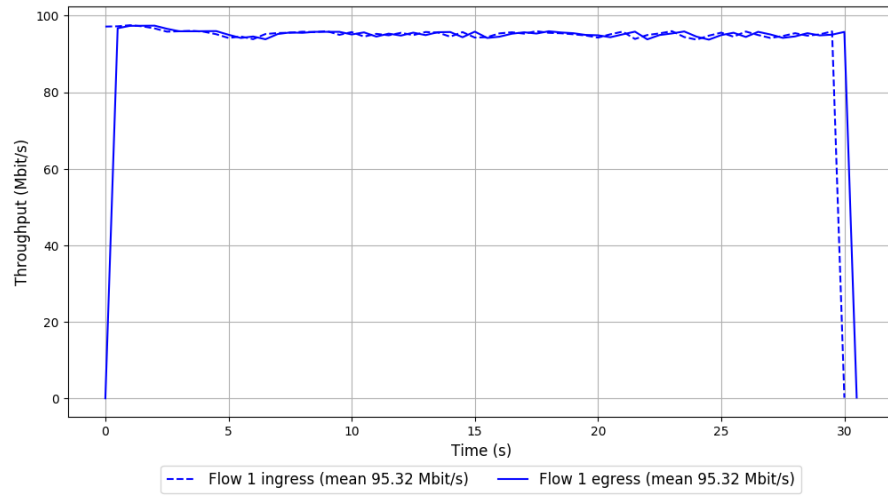
-- Flow 1:

Average throughput: 95.32 Mbit/s

95th percentile per-packet one-way delay: 2.105 ms

Loss rate: 0.01%

Run 3: Report of TCP Vegas — Data Link



Run 4: Statistics of TCP Vegas

Start at: 2019-02-20 06:27:26

End at: 2019-02-20 06:27:56

Local clock offset: -7.542 ms

Remote clock offset: 0.524 ms

Below is generated by plot.py at 2019-02-20 07:15:07

Datalink statistics

-- Total of 1 flow:

Average throughput: 94.98 Mbit/s

95th percentile per-packet one-way delay: 1.917 ms

Loss rate: 0.01%

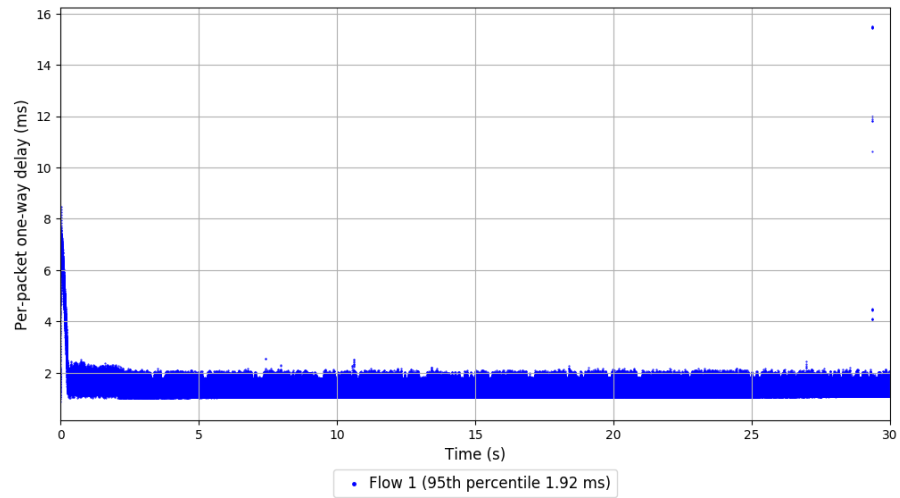
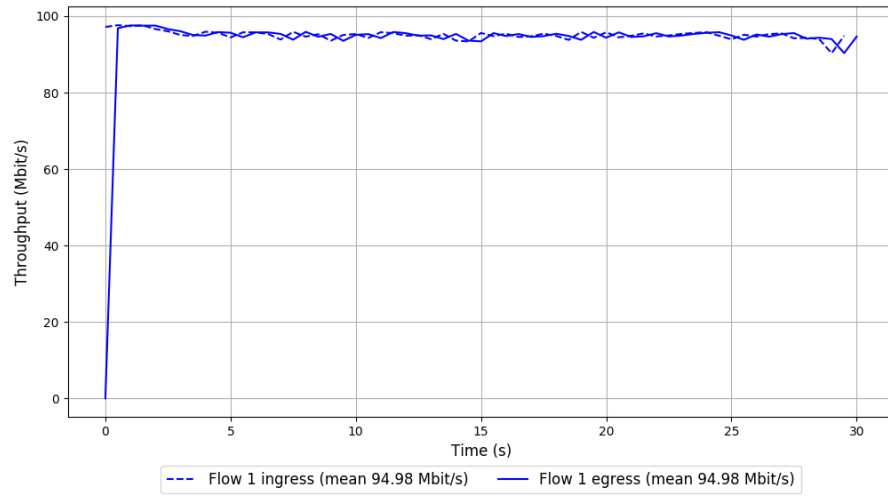
-- Flow 1:

Average throughput: 94.98 Mbit/s

95th percentile per-packet one-way delay: 1.917 ms

Loss rate: 0.01%

Run 4: Report of TCP Vegas — Data Link



Run 5: Statistics of TCP Vegas

Start at: 2019-02-20 06:50:54

End at: 2019-02-20 06:51:24

Local clock offset: -1.8 ms

Remote clock offset: 0.974 ms

Below is generated by plot.py at 2019-02-20 07:15:40

Datalink statistics

-- Total of 1 flow:

Average throughput: 95.48 Mbit/s

95th percentile per-packet one-way delay: 1.739 ms

Loss rate: 0.01%

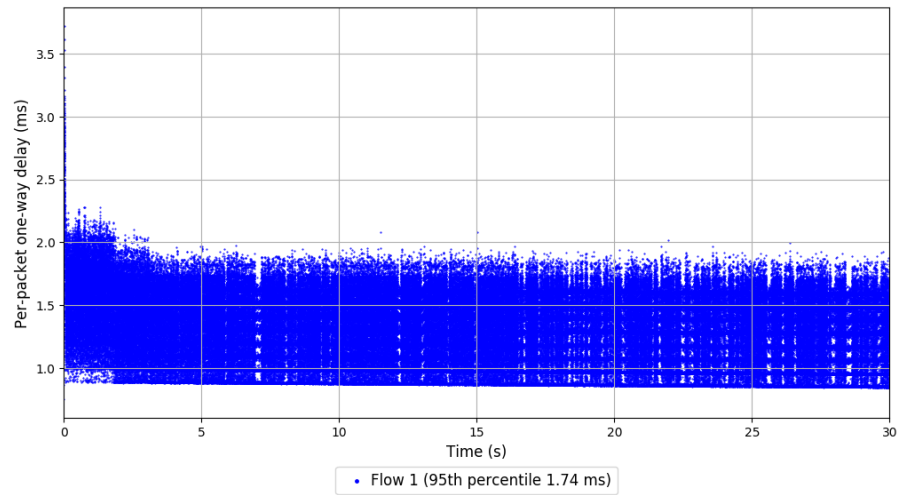
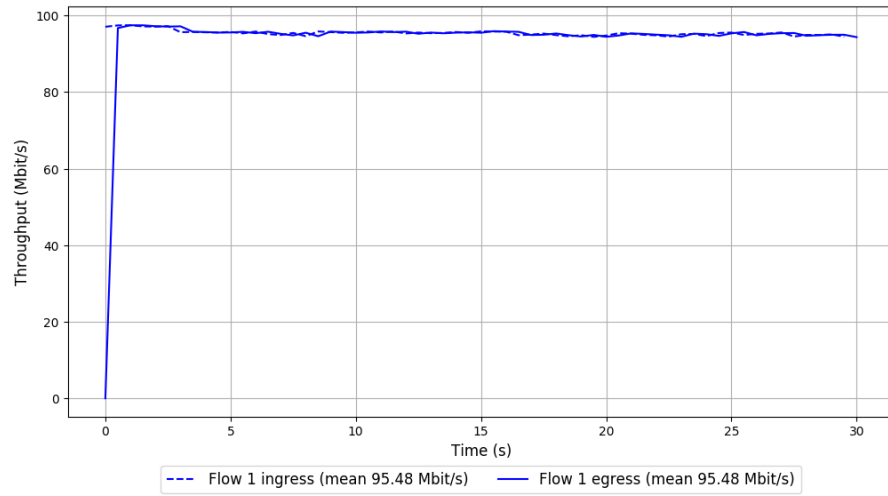
-- Flow 1:

Average throughput: 95.48 Mbit/s

95th percentile per-packet one-way delay: 1.739 ms

Loss rate: 0.01%

Run 5: Report of TCP Vegas — Data Link

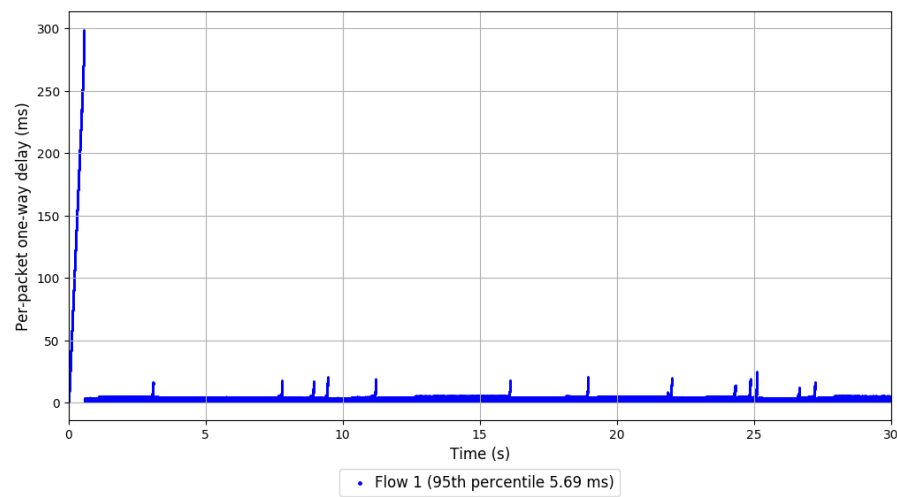
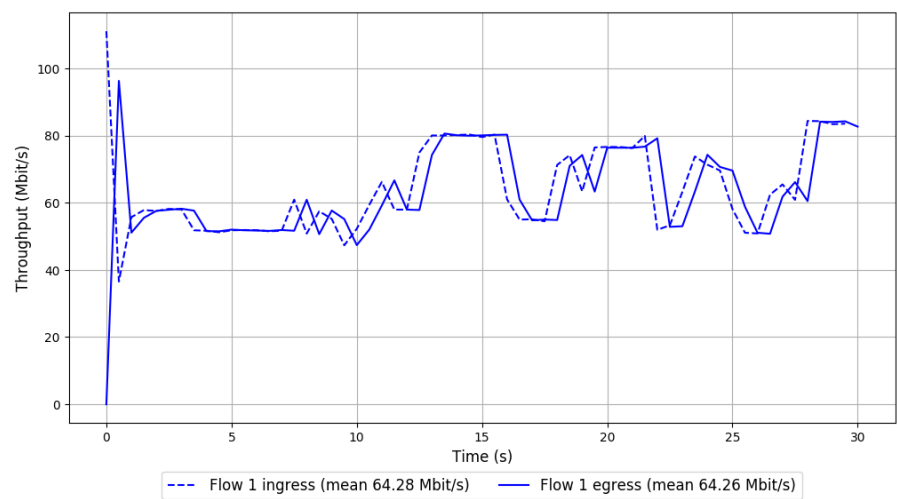


Run 1: Statistics of Verus

Start at: 2019-02-20 05:11:11
End at: 2019-02-20 05:11:41
Local clock offset: -2.607 ms
Remote clock offset: -2.328 ms

Below is generated by plot.py at 2019-02-20 07:15:40
Datalink statistics
-- Total of 1 flow:
Average throughput: 64.26 Mbit/s
95th percentile per-packet one-way delay: 5.688 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 64.26 Mbit/s
95th percentile per-packet one-way delay: 5.688 ms
Loss rate: 0.03%

Run 1: Report of Verus — Data Link

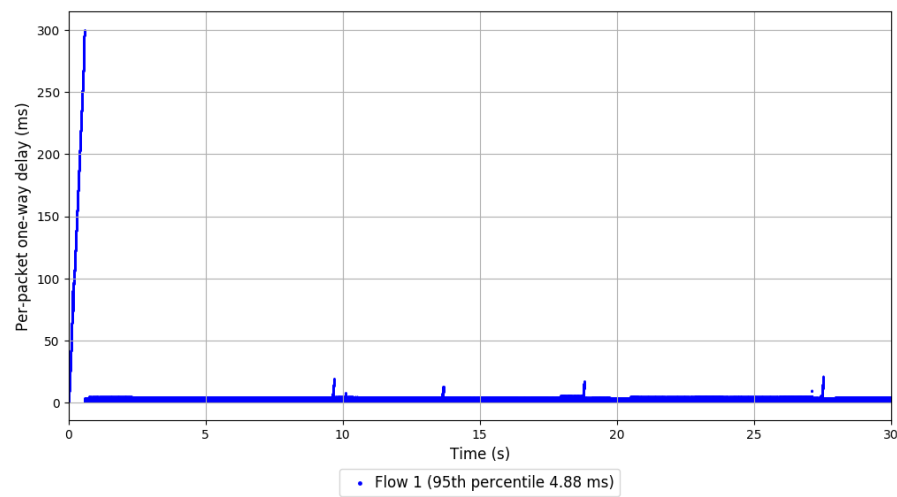
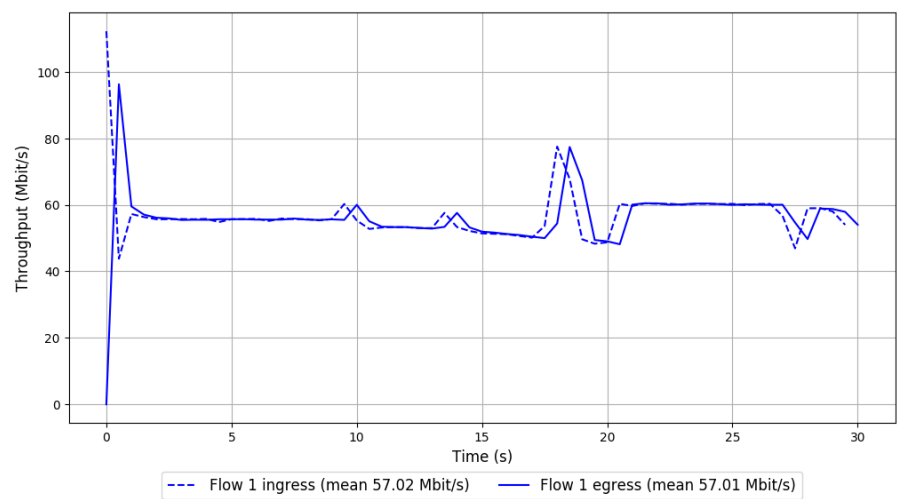


Run 2: Statistics of Verus

Start at: 2019-02-20 05:34:44
End at: 2019-02-20 05:35:14
Local clock offset: -1.082 ms
Remote clock offset: -1.194 ms

Below is generated by plot.py at 2019-02-20 07:15:40
Datalink statistics
-- Total of 1 flow:
Average throughput: 57.01 Mbit/s
95th percentile per-packet one-way delay: 4.875 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 57.01 Mbit/s
95th percentile per-packet one-way delay: 4.875 ms
Loss rate: 0.02%

Run 2: Report of Verus — Data Link

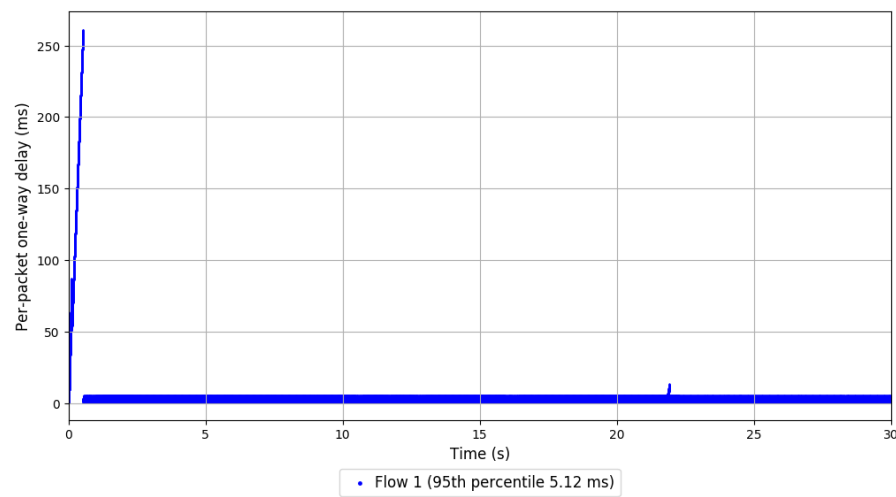
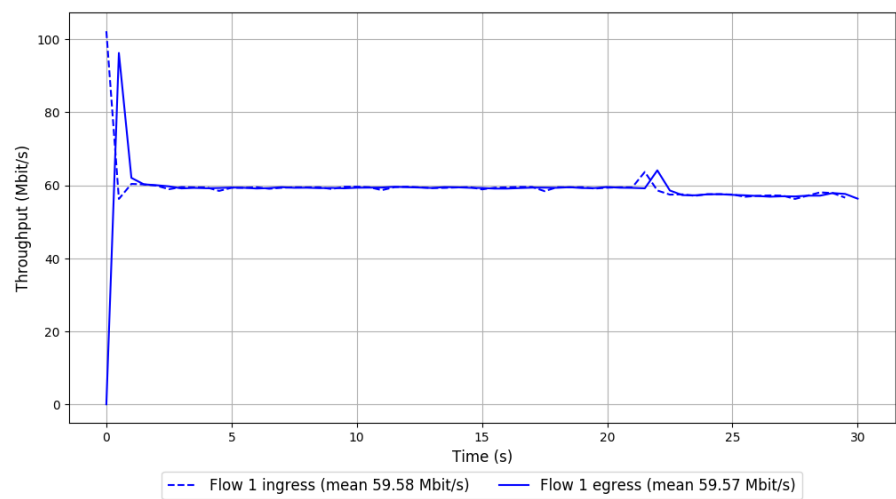


Run 3: Statistics of Verus

Start at: 2019-02-20 05:58:16
End at: 2019-02-20 05:58:46
Local clock offset: -1.003 ms
Remote clock offset: -0.309 ms

Below is generated by plot.py at 2019-02-20 07:15:40
Datalink statistics
-- Total of 1 flow:
Average throughput: 59.57 Mbit/s
95th percentile per-packet one-way delay: 5.125 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 59.57 Mbit/s
95th percentile per-packet one-way delay: 5.125 ms
Loss rate: 0.03%

Run 3: Report of Verus — Data Link



Run 4: Statistics of Verus

Start at: 2019-02-20 06:21:51

End at: 2019-02-20 06:22:22

Local clock offset: -7.125 ms

Remote clock offset: 0.434 ms

Below is generated by plot.py at 2019-02-20 07:15:43

Datalink statistics

-- Total of 1 flow:

Average throughput: 57.04 Mbit/s

95th percentile per-packet one-way delay: 4.900 ms

Loss rate: 0.29%

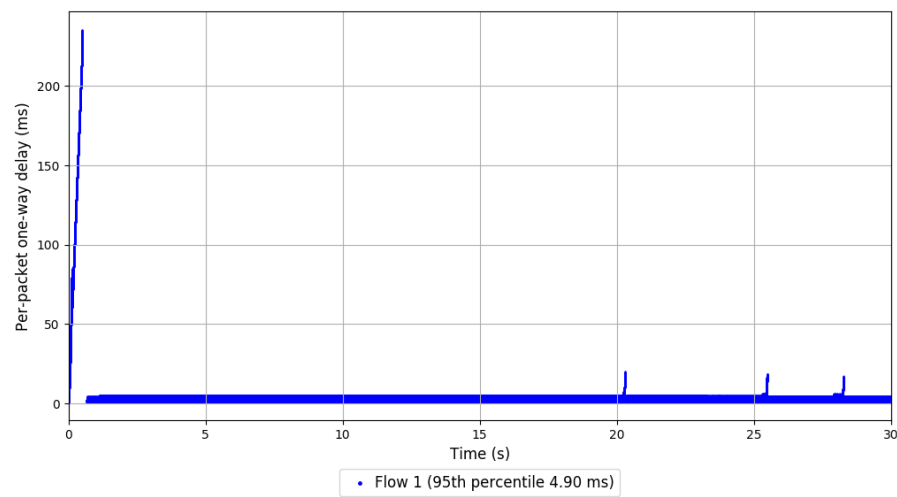
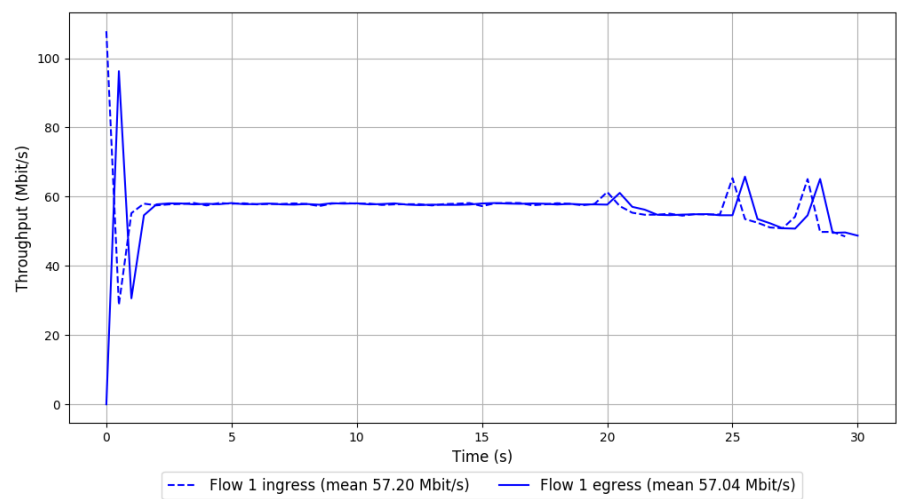
-- Flow 1:

Average throughput: 57.04 Mbit/s

95th percentile per-packet one-way delay: 4.900 ms

Loss rate: 0.29%

Run 4: Report of Verus — Data Link



Run 5: Statistics of Verus

Start at: 2019-02-20 06:45:19

End at: 2019-02-20 06:45:49

Local clock offset: -2.432 ms

Remote clock offset: 0.867 ms

Below is generated by plot.py at 2019-02-20 07:15:43

Datalink statistics

-- Total of 1 flow:

Average throughput: 56.26 Mbit/s

95th percentile per-packet one-way delay: 6.785 ms

Loss rate: 0.01%

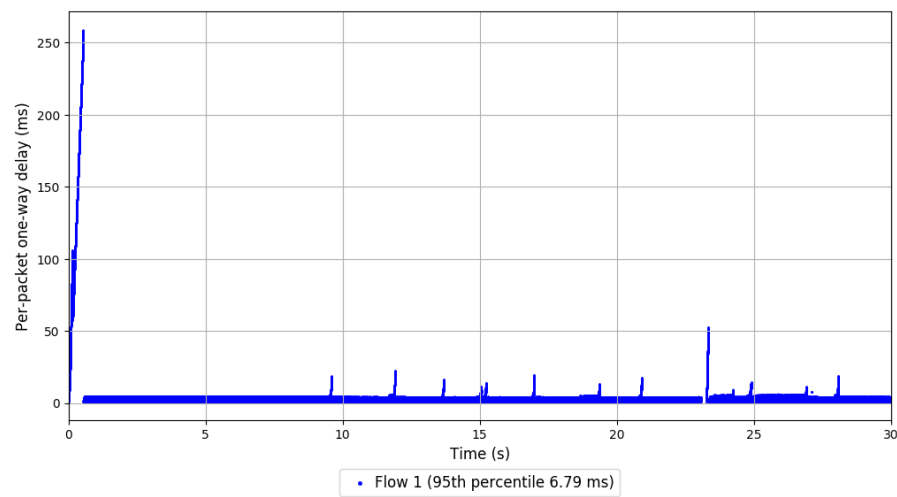
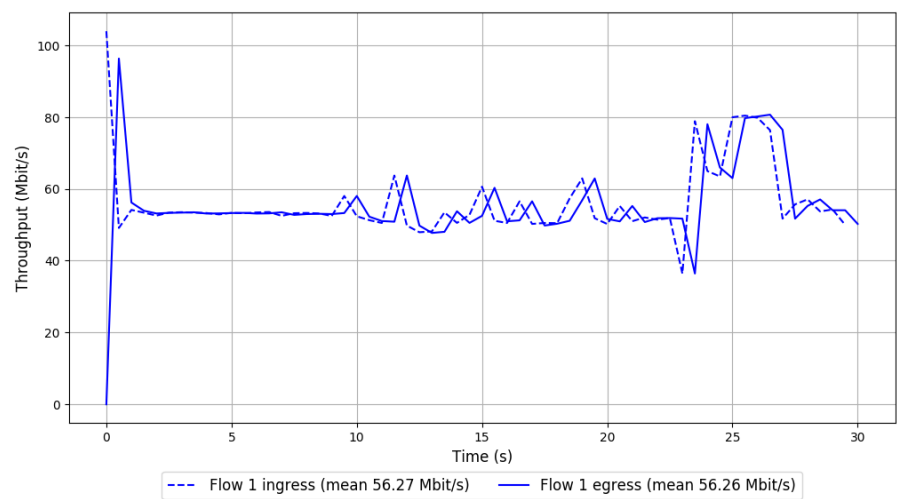
-- Flow 1:

Average throughput: 56.26 Mbit/s

95th percentile per-packet one-way delay: 6.785 ms

Loss rate: 0.01%

Run 5: Report of Verus — Data Link



Run 1: Statistics of PCC-Vivace

Start at: 2019-02-20 05:12:18

End at: 2019-02-20 05:12:48

Local clock offset: -2.394 ms

Remote clock offset: -2.351 ms

Below is generated by plot.py at 2019-02-20 07:15:43

Datalink statistics

-- Total of 1 flow:

Average throughput: 28.13 Mbit/s

95th percentile per-packet one-way delay: 0.876 ms

Loss rate: 0.01%

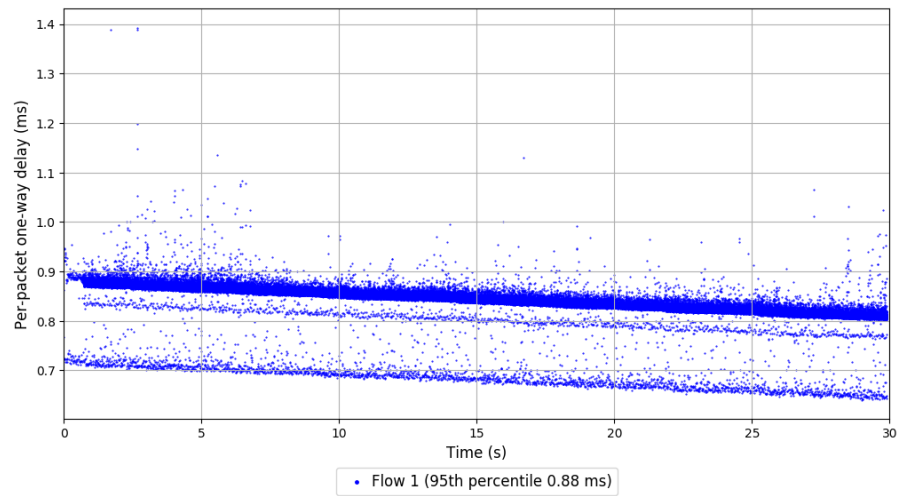
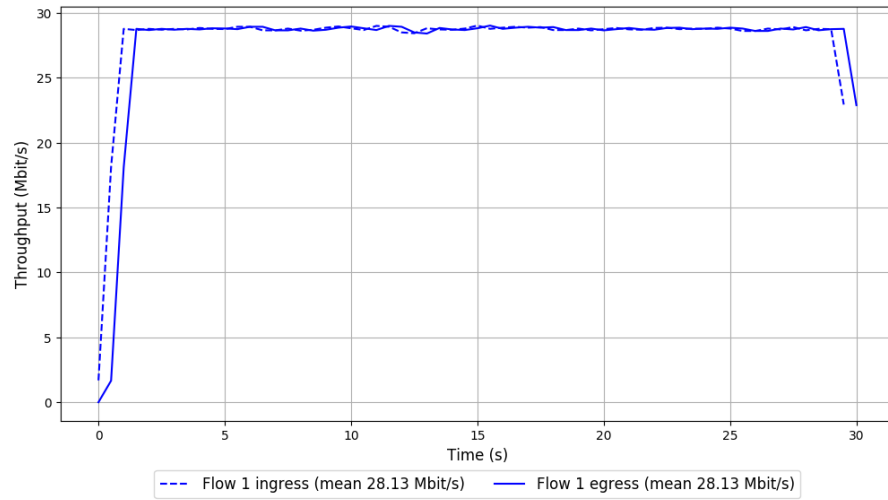
-- Flow 1:

Average throughput: 28.13 Mbit/s

95th percentile per-packet one-way delay: 0.876 ms

Loss rate: 0.01%

Run 1: Report of PCC-Vivace — Data Link



Run 2: Statistics of PCC-Vivace

Start at: 2019-02-20 05:35:51

End at: 2019-02-20 05:36:21

Local clock offset: -1.1 ms

Remote clock offset: -1.231 ms

Below is generated by plot.py at 2019-02-20 07:15:43

Datalink statistics

-- Total of 1 flow:

Average throughput: 28.55 Mbit/s

95th percentile per-packet one-way delay: 1.037 ms

Loss rate: 0.01%

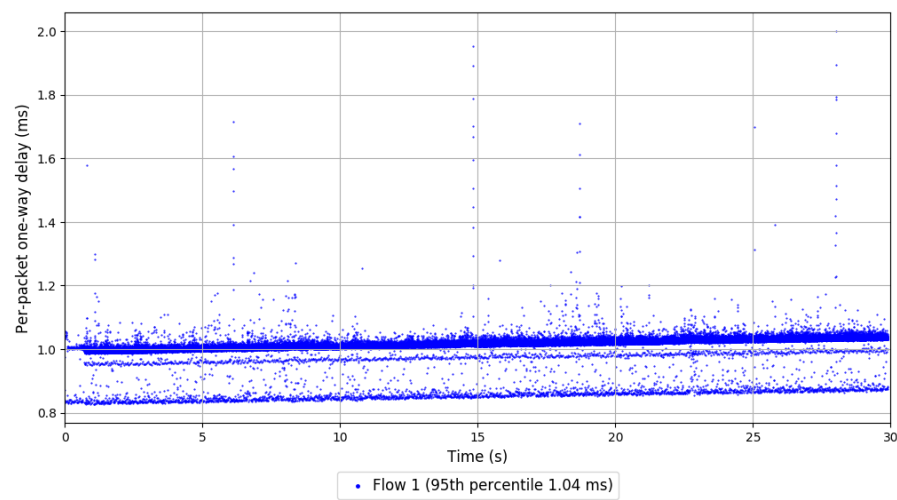
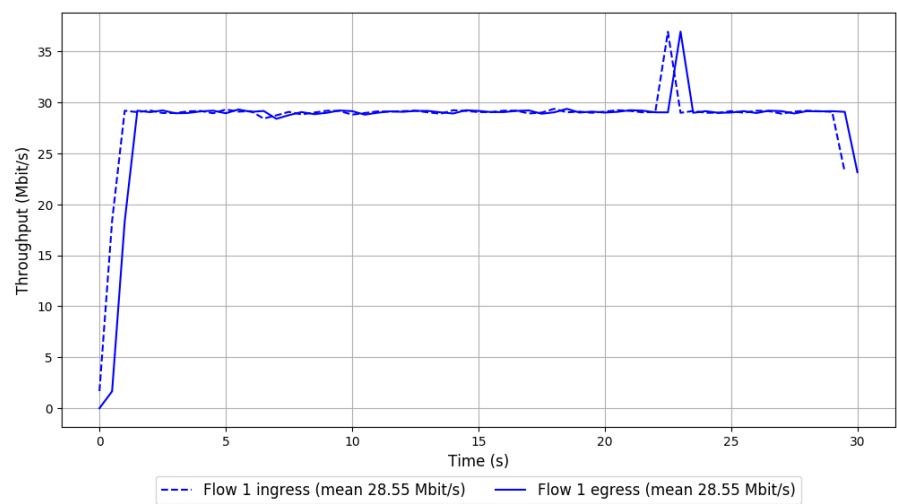
-- Flow 1:

Average throughput: 28.55 Mbit/s

95th percentile per-packet one-way delay: 1.037 ms

Loss rate: 0.01%

Run 2: Report of PCC-Vivace — Data Link



Run 3: Statistics of PCC-Vivace

Start at: 2019-02-20 05:59:24

End at: 2019-02-20 05:59:54

Local clock offset: -0.97 ms

Remote clock offset: -0.248 ms

Below is generated by plot.py at 2019-02-20 07:15:45

Datalink statistics

-- Total of 1 flow:

Average throughput: 32.57 Mbit/s

95th percentile per-packet one-way delay: 1.195 ms

Loss rate: 0.00%

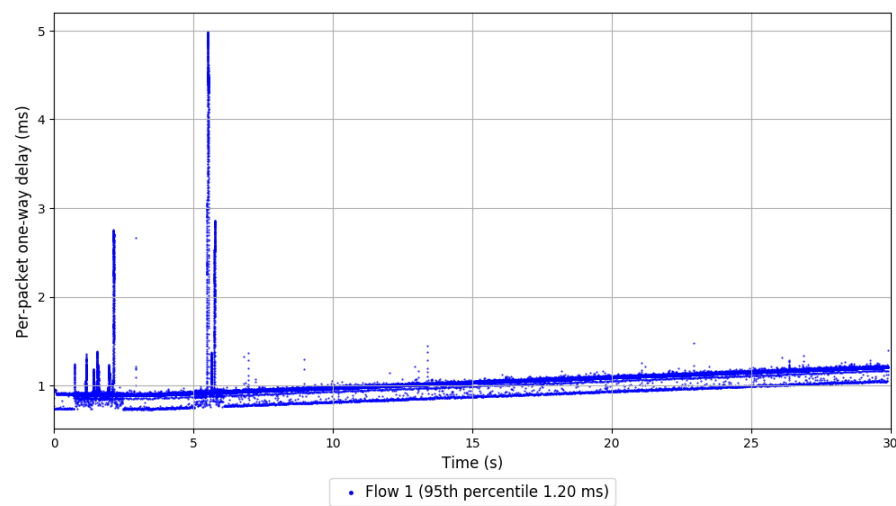
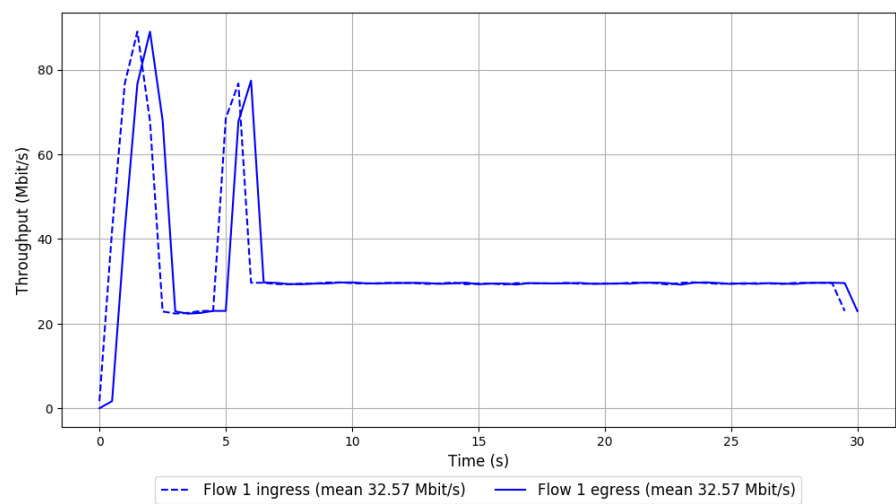
-- Flow 1:

Average throughput: 32.57 Mbit/s

95th percentile per-packet one-way delay: 1.195 ms

Loss rate: 0.00%

Run 3: Report of PCC-Vivace — Data Link



Run 4: Statistics of PCC-Vivace

Start at: 2019-02-20 06:22:59

End at: 2019-02-20 06:23:29

Local clock offset: -7.174 ms

Remote clock offset: 0.455 ms

Below is generated by plot.py at 2019-02-20 07:15:45

Datalink statistics

-- Total of 1 flow:

Average throughput: 28.21 Mbit/s

95th percentile per-packet one-way delay: 1.041 ms

Loss rate: 0.01%

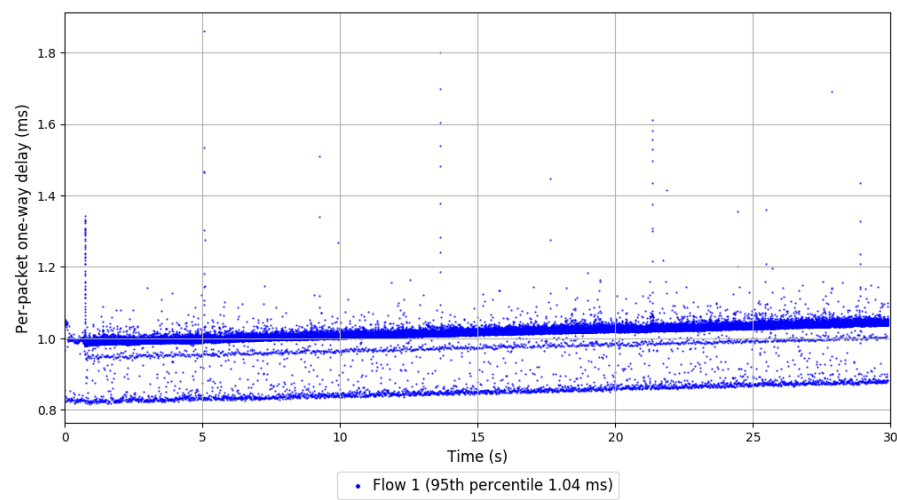
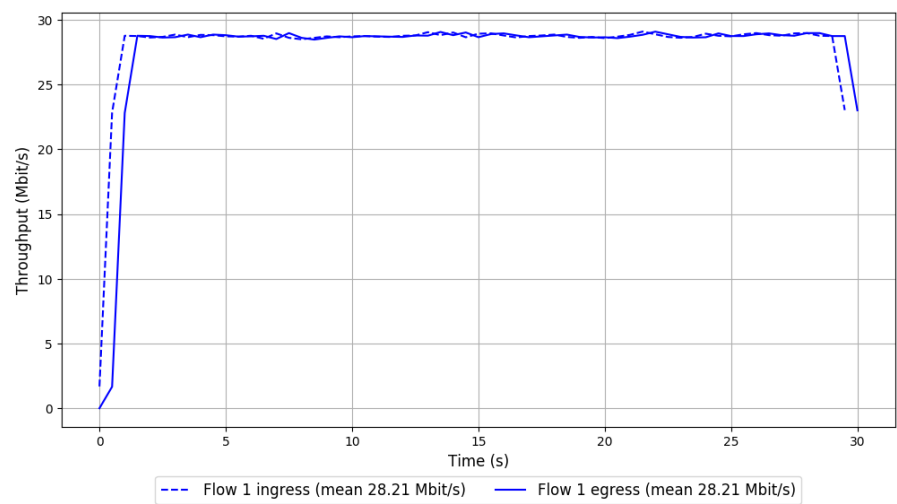
-- Flow 1:

Average throughput: 28.21 Mbit/s

95th percentile per-packet one-way delay: 1.041 ms

Loss rate: 0.01%

Run 4: Report of PCC-Vivace — Data Link



Run 5: Statistics of PCC-Vivace

Start at: 2019-02-20 06:46:26

End at: 2019-02-20 06:46:56

Local clock offset: -2.289 ms

Remote clock offset: 0.964 ms

Below is generated by plot.py at 2019-02-20 07:15:46

Datalink statistics

-- Total of 1 flow:

Average throughput: 31.65 Mbit/s

95th percentile per-packet one-way delay: 0.833 ms

Loss rate: 0.00%

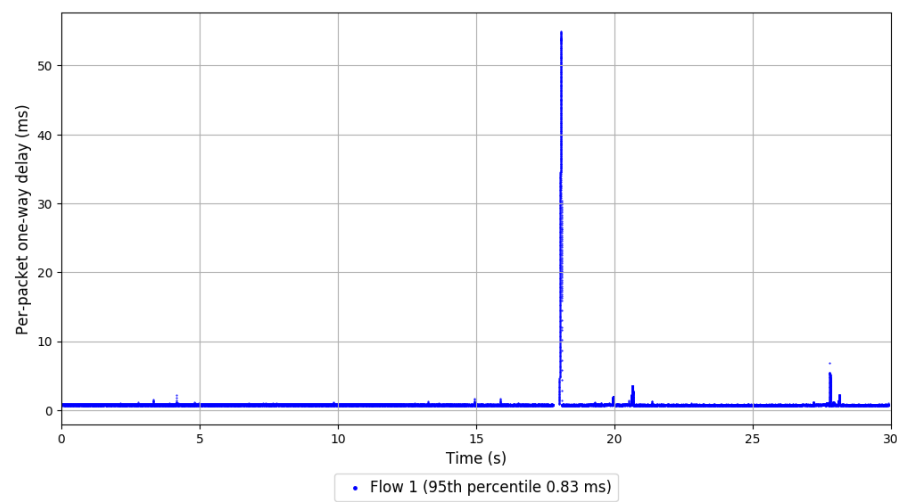
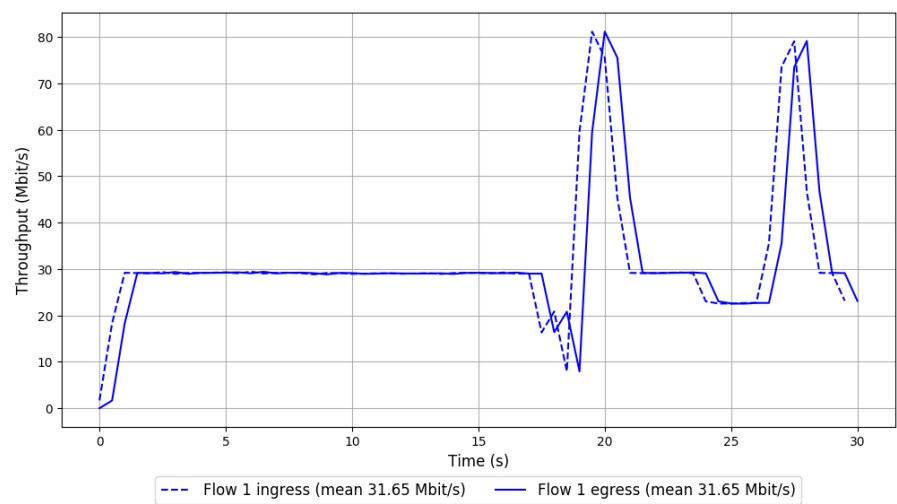
-- Flow 1:

Average throughput: 31.65 Mbit/s

95th percentile per-packet one-way delay: 0.833 ms

Loss rate: 0.00%

Run 5: Report of PCC-Vivace — Data Link

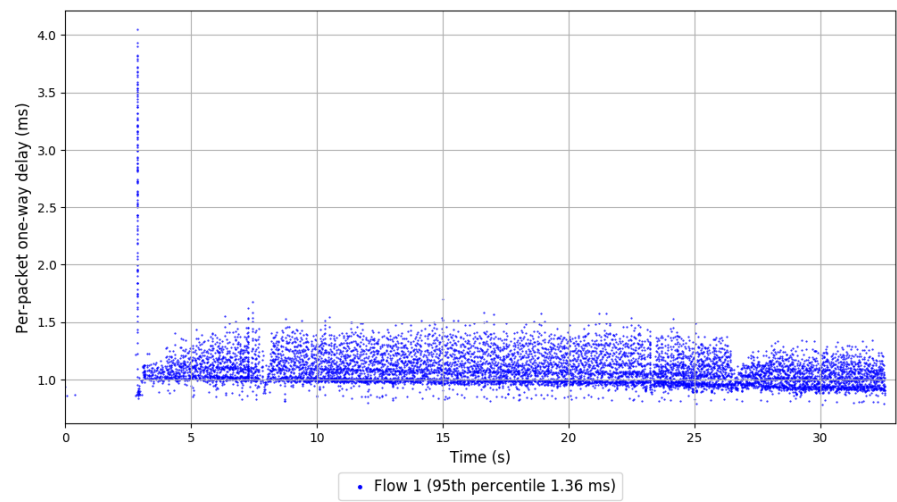
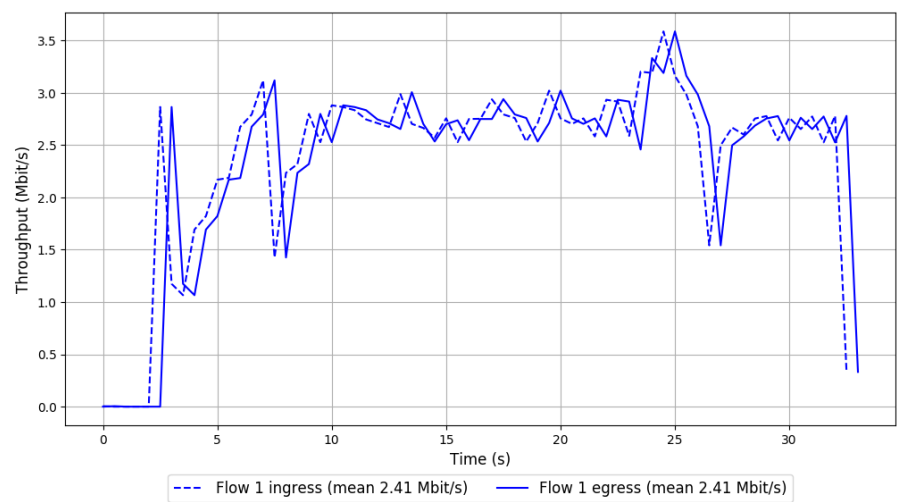


Run 1: Statistics of WebRTC media

Start at: 2019-02-20 05:10:06
End at: 2019-02-20 05:10:36
Local clock offset: -2.784 ms
Remote clock offset: -2.496 ms

Below is generated by plot.py at 2019-02-20 07:15:46
Datalink statistics
-- Total of 1 flow:
Average throughput: 2.41 Mbit/s
95th percentile per-packet one-way delay: 1.362 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.41 Mbit/s
95th percentile per-packet one-way delay: 1.362 ms
Loss rate: 0.00%

Run 1: Report of WebRTC media — Data Link

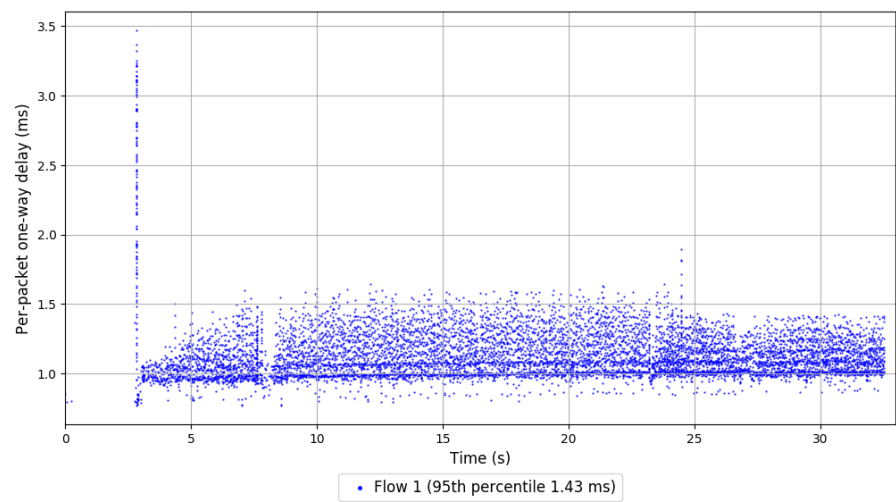
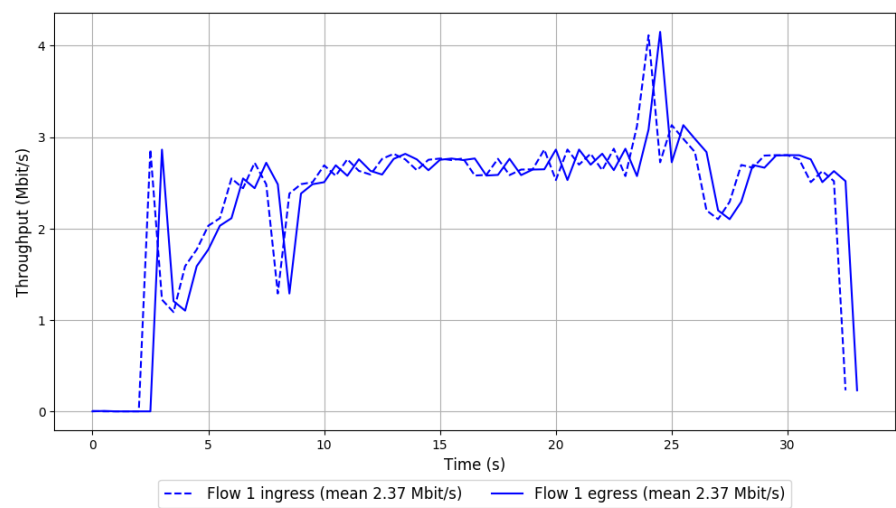


Run 2: Statistics of WebRTC media

Start at: 2019-02-20 05:33:40
End at: 2019-02-20 05:34:10
Local clock offset: -0.951 ms
Remote clock offset: -1.239 ms

Below is generated by plot.py at 2019-02-20 07:15:46
Datalink statistics
-- Total of 1 flow:
Average throughput: 2.37 Mbit/s
95th percentile per-packet one-way delay: 1.428 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.37 Mbit/s
95th percentile per-packet one-way delay: 1.428 ms
Loss rate: 0.00%

Run 2: Report of WebRTC media — Data Link



Run 3: Statistics of WebRTC media

Start at: 2019-02-20 05:57:12

End at: 2019-02-20 05:57:42

Local clock offset: -1.093 ms

Remote clock offset: -0.35 ms

Below is generated by plot.py at 2019-02-20 07:15:46

Datalink statistics

-- Total of 1 flow:

Average throughput: 2.37 Mbit/s

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

Loss rate: 0.00%

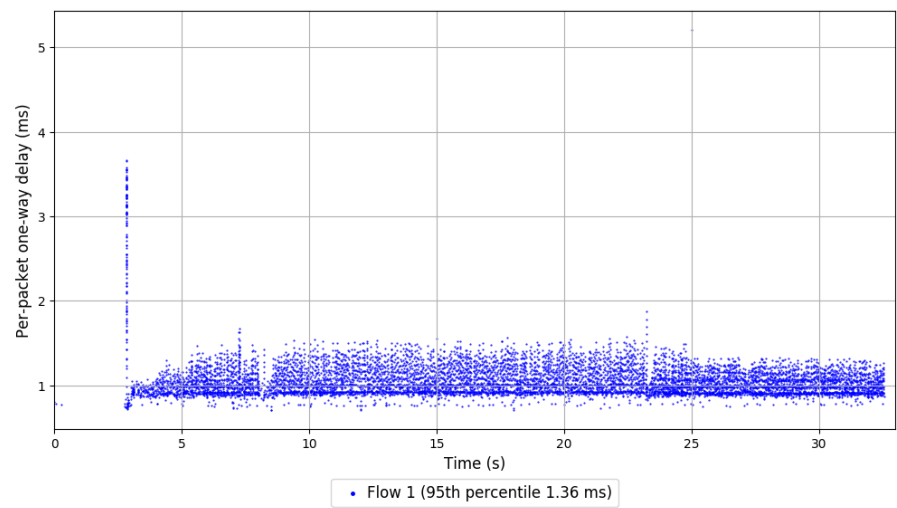
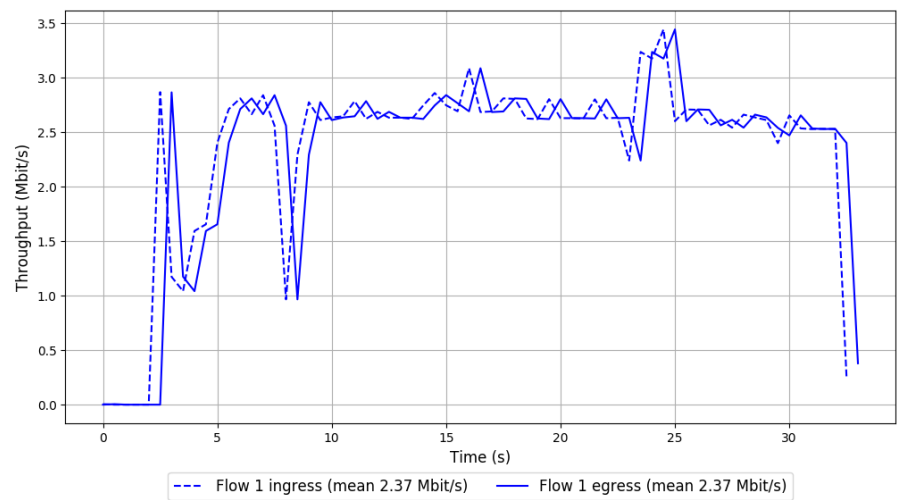
-- Flow 1:

Average throughput: 2.37 Mbit/s

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

Loss rate: 0.00%

Run 3: Report of WebRTC media — Data Link



Run 4: Statistics of WebRTC media

Start at: 2019-02-20 06:20:47

End at: 2019-02-20 06:21:17

Local clock offset: -7.034 ms

Remote clock offset: 0.432 ms

Below is generated by plot.py at 2019-02-20 07:15:46

Datalink statistics

-- Total of 1 flow:

Average throughput: 2.35 Mbit/s

95th percentile per-packet one-way delay: 1.404 ms

Loss rate: 0.00%

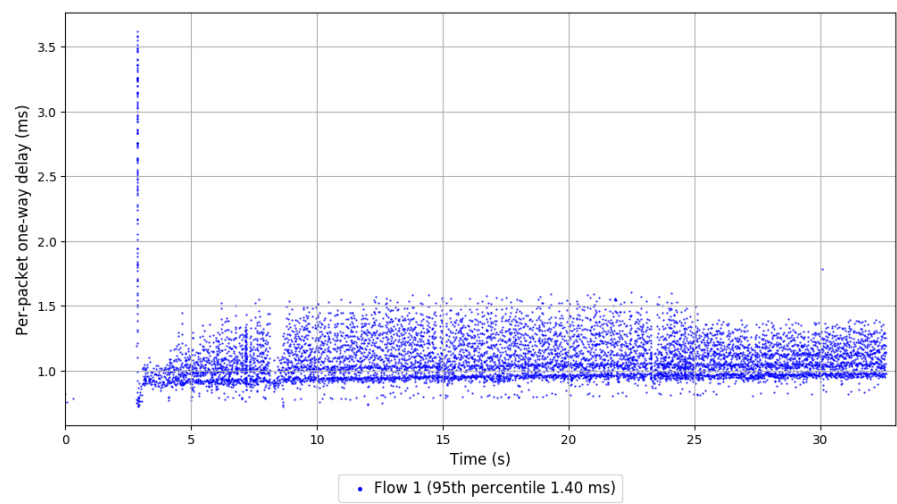
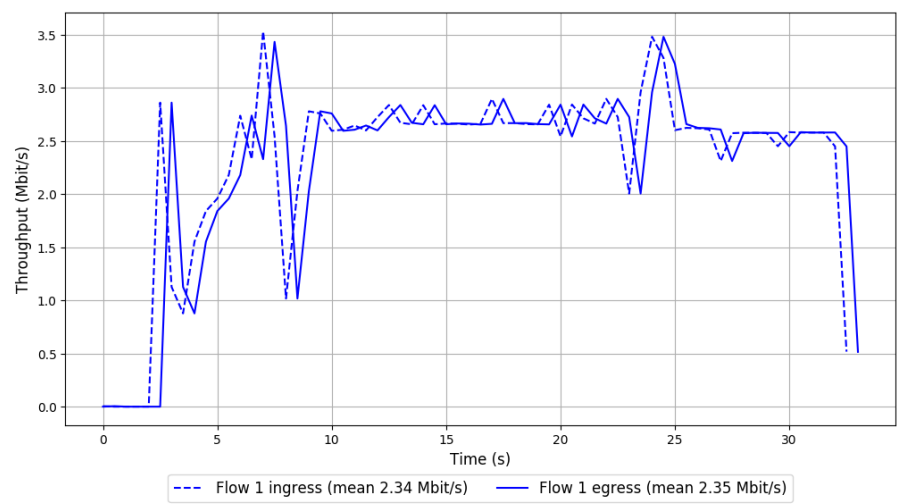
-- Flow 1:

Average throughput: 2.35 Mbit/s

95th percentile per-packet one-way delay: 1.404 ms

Loss rate: 0.00%

Run 4: Report of WebRTC media — Data Link



Run 5: Statistics of WebRTC media

Start at: 2019-02-20 06:44:15

End at: 2019-02-20 06:44:45

Local clock offset: -2.583 ms

Remote clock offset: 0.972 ms

Below is generated by plot.py at 2019-02-20 07:15:46

Datalink statistics

-- Total of 1 flow:

Average throughput: 2.33 Mbit/s

95th percentile per-packet one-way delay: 1.303 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 2.33 Mbit/s

95th percentile per-packet one-way delay: 1.303 ms

Loss rate: 0.00%

Run 5: Report of WebRTC media — Data Link

