

Pantheon Report

Generated at 2019-04-23 22:20:52 (UTC).

Data path: AWS California 1 on ens5 (*local*) →Stanford on eno1 (*remote*).

Repeated the test of 21 congestion control schemes 5 times.

Each test lasted for 30 seconds running 1 flow.

NTP offsets were measured against `time.stanford.edu` and have been applied to correct the timestamps in logs.

System info:

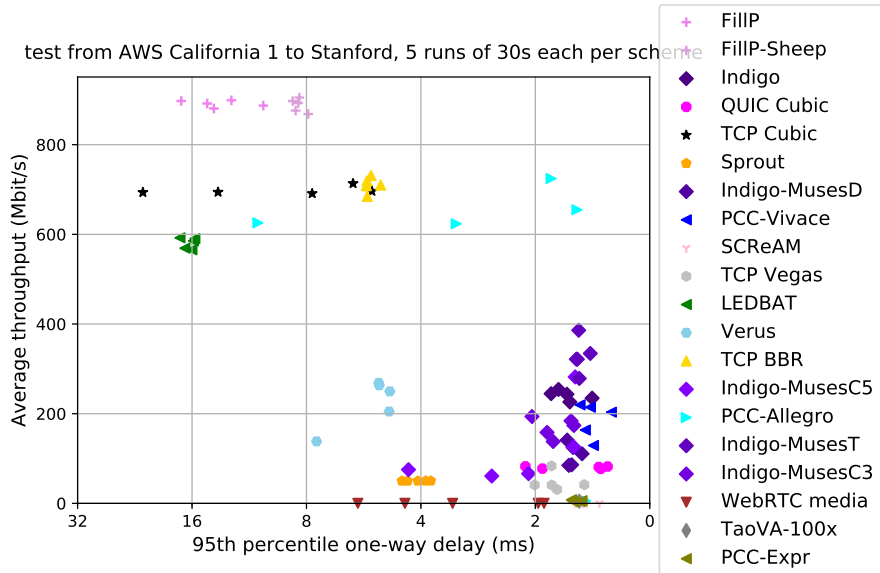
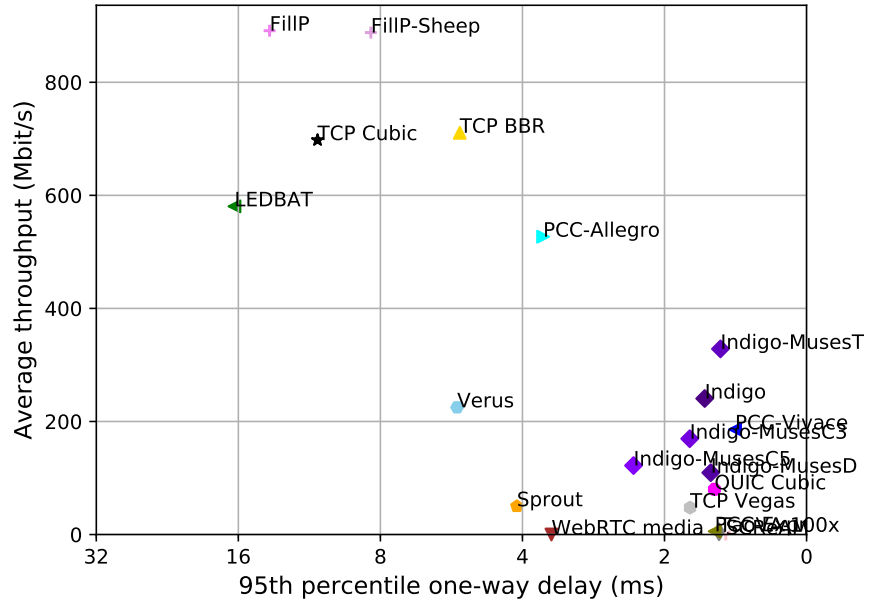
```
Linux 4.15.0-1034-aws
net.core.default_qdisc = fq
net.core.rmem_default = 16777216
net.core.rmem_max = 536870912
net.core.wmem_default = 16777216
net.core.wmem_max = 536870912
net.ipv4.tcp_rmem = 4096 16777216 536870912
net.ipv4.tcp_wmem = 4096 16777216 536870912
```

Git summary:

```
branch: muses @ 7a686f7c2ed0a333082c0bab1fa5c921ab47e6ee
third_party/fillp @ d6da1459332fcee56963885d7eba17e6a32d4519
third_party/fillp-sheep @ 0e5bb722943babcd2b090d2c64fcd45e12e923f9
third_party/genericCC @ d0153f8e594aa89e93b032143cedbdf58e562f4
third_party/indigo @ 2601c92e4aa9d58d38dc4dfe0ecdbf90c077e64d
third_party/libutp @ b3465b942e2826f2b179eaab4a906ce6bb7cf3cf
third_party/muses @ 5ce721187ad823da20955337730c746486ca4966
third_party/pantheon-tunnel @ f866d3f58d27afd942717625ee3a354cc2e802bd
third_party/pcc @ 1afc958fa0d66d18b623c091a55fec872b4981e1
M receiver/src/buffer.h
M receiver/src/core.cpp
M sender/src/buffer.h
M sender/src/core.cpp
third_party/pcc-experimental @ cd43e34e3f5f5613e8acd08fab92c4eb24f974ab
third_party/proto-quick @ 77961f1a82733a86b42f1bc8143ebc978f3cff42
third_party/scream-reproduce @ f099118d1421aa3131bf11ff1964974e1da3bdb2
M src/ScreamClient
M src/ScreamServer
third_party/sprout @ 366e35c6178b01e31d4a46ad18c74f9415f19a26
M src/examples/cellsim.cc
M src/examples/sproutbt2.cc
M src/network/sproutconn.cc
third_party/verus @ d4b447ea74c6c60a261149af2629562939f9a494
M src/verus.hpp
M tools/plot.py
third_party/vivace @ 2baf86211435ae071a32f96b7d8c504587f5d7f4
```

third_party/webrtc @ 3f0cc2a9061a41b6f9dde4735770d143a1fa2851

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



scheme	# runs	mean avg tput (Mbit/s)	mean 95th-%ile delay (ms)	mean loss rate (%)
		flow 1	flow 1	flow 1
TCP BBR	5	710.66	5.43	0.03
Copa	0	N/A	N/A	N/A
TCP Cubic	5	697.73	10.87	0.04
FillP	5	891.24	13.74	3.39
FillP-Sheep	5	887.90	8.38	2.25
Indigo	5	240.59	1.43	0.00
Indigo-MusesC3	5	169.51	1.65	0.02
Indigo-MusesC5	5	122.05	2.33	0.03
Indigo-MusesD	5	109.40	1.35	0.00
Indigo-MusesT	5	328.38	1.21	0.01
LEDBAT	5	580.56	16.31	0.04
PCC-Allegro	5	526.81	3.62	0.04
PCC-Expr	5	5.75	1.29	6.07
QUIC Cubic	5	80.03	1.30	0.00
SCReAM	5	0.22	1.14	0.00
Sprout	5	50.06	4.11	0.03
TaoVA-100x	1	4.91	1.23	0.00
TCP Vegas	5	47.56	1.64	0.01
Verus	5	225.02	5.50	1.02
PCC-Vivace	5	186.01	1.01	0.00
WebRTC media	5	0.05	3.47	0.00

Run 1: Statistics of TCP BBR

Start at: 2019-04-23 19:06:57
End at: 2019-04-23 19:07:27
Local clock offset: -15.653 ms
Remote clock offset: 1.628 ms

Below is generated by plot.py at 2019-04-23 21:42:16

Datalink statistics

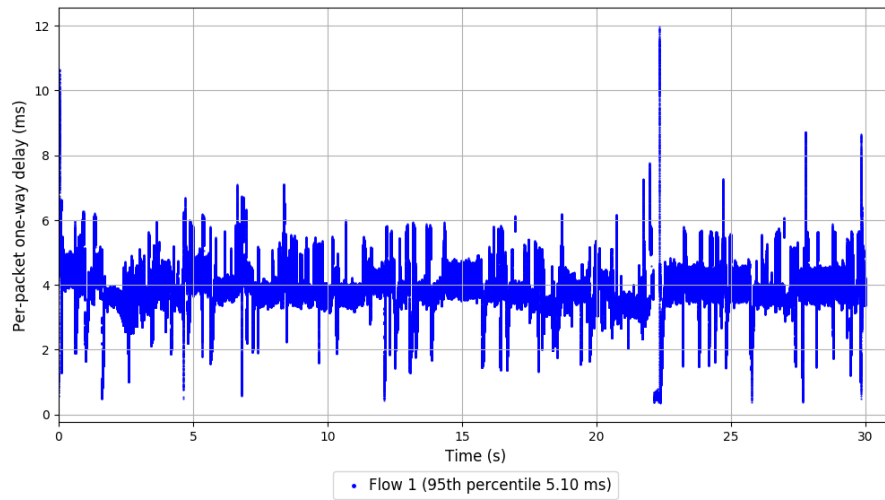
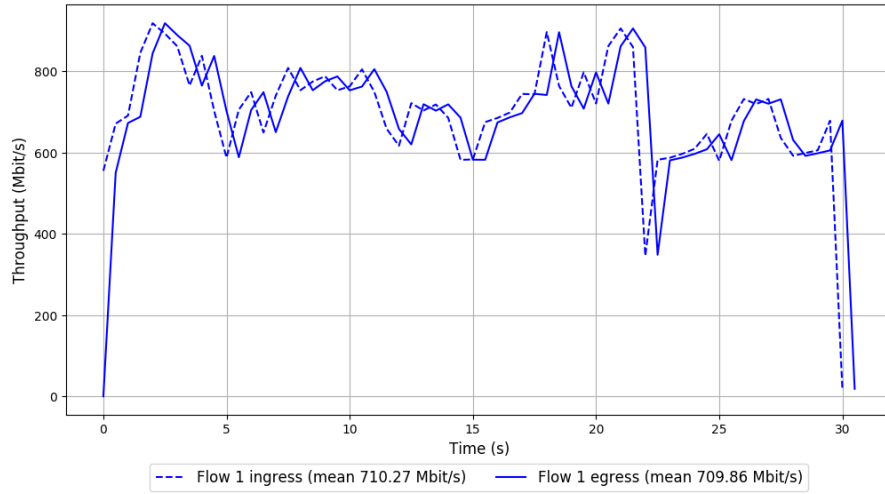
-- Total of 1 flow:

Average throughput: 709.86 Mbit/s
95th percentile per-packet one-way delay: 5.103 ms
Loss rate: 0.06%

-- Flow 1:

Average throughput: 709.86 Mbit/s
95th percentile per-packet one-way delay: 5.103 ms
Loss rate: 0.06%

Run 1: Report of TCP BBR — Data Link



Run 2: Statistics of TCP BBR

Start at: 2019-04-23 19:35:28

End at: 2019-04-23 19:35:58

Local clock offset: -8.279 ms

Remote clock offset: 1.751 ms

Below is generated by plot.py at 2019-04-23 21:42:16

Datalink statistics

-- Total of 1 flow:

Average throughput: 684.55 Mbit/s

95th percentile per-packet one-way delay: 5.535 ms

Loss rate: 0.01%

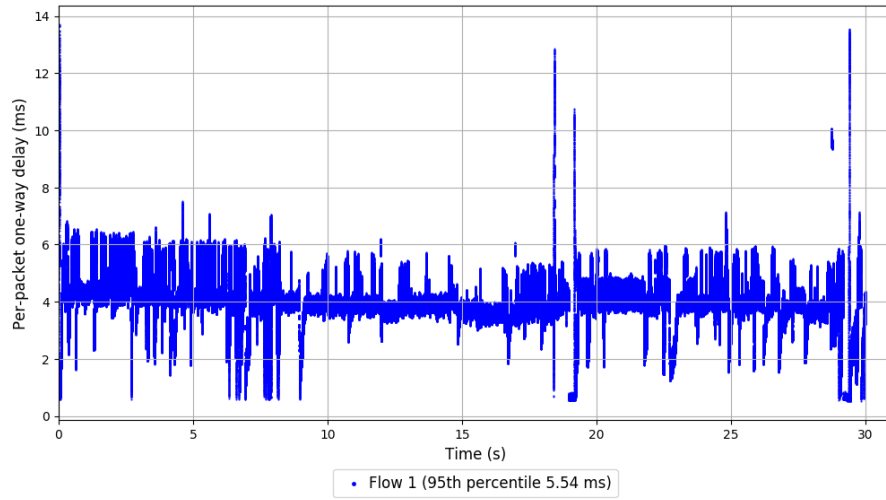
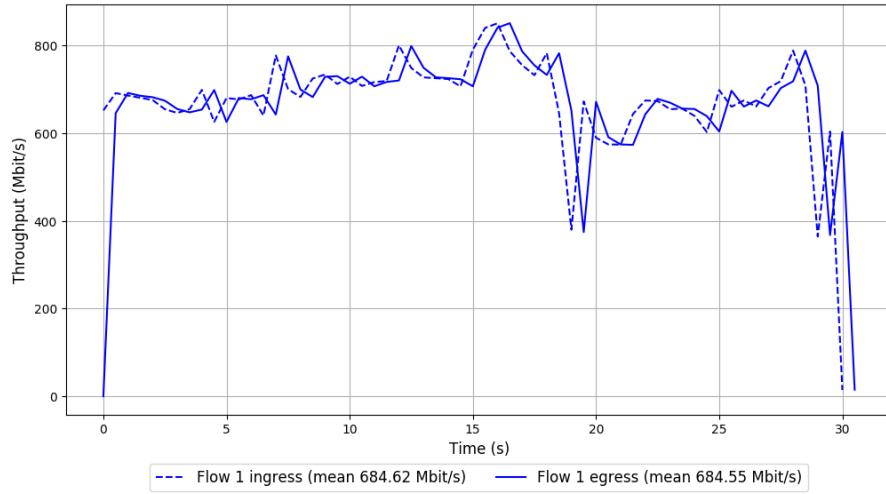
-- Flow 1:

Average throughput: 684.55 Mbit/s

95th percentile per-packet one-way delay: 5.535 ms

Loss rate: 0.01%

Run 2: Report of TCP BBR — Data Link



Run 3: Statistics of TCP BBR

Start at: 2019-04-23 20:04:23

End at: 2019-04-23 20:04:53

Local clock offset: -1.463 ms

Remote clock offset: -2.021 ms

Below is generated by plot.py at 2019-04-23 21:42:24

Datalink statistics

-- Total of 1 flow:

Average throughput: 719.21 Mbit/s

95th percentile per-packet one-way delay: 5.545 ms

Loss rate: 0.04%

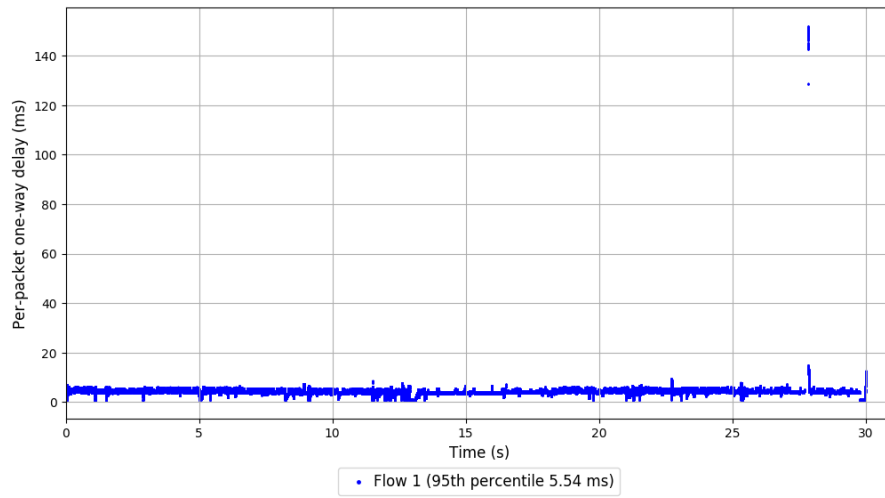
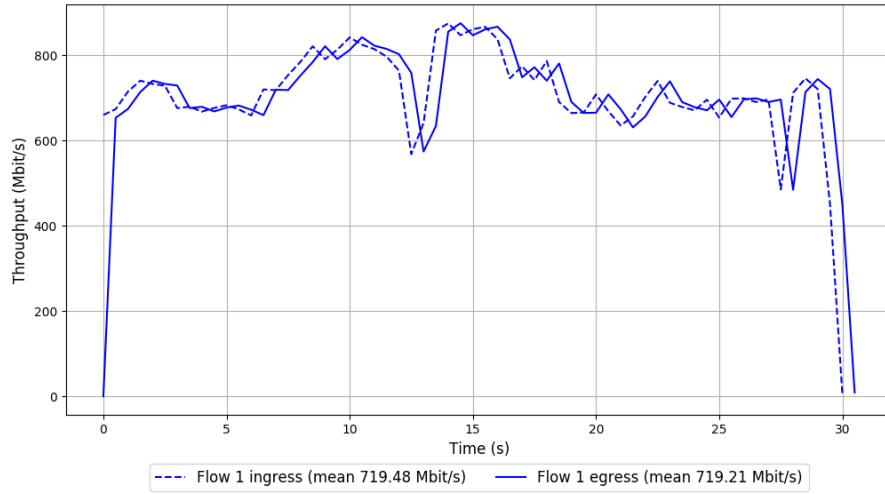
-- Flow 1:

Average throughput: 719.21 Mbit/s

95th percentile per-packet one-way delay: 5.545 ms

Loss rate: 0.04%

Run 3: Report of TCP BBR — Data Link



Run 4: Statistics of TCP BBR

Start at: 2019-04-23 20:33:16

End at: 2019-04-23 20:33:46

Local clock offset: -2.002 ms

Remote clock offset: 2.659 ms

Below is generated by plot.py at 2019-04-23 21:42:31

Datalink statistics

-- Total of 1 flow:

Average throughput: 731.17 Mbit/s

95th percentile per-packet one-way delay: 5.409 ms

Loss rate: 0.02%

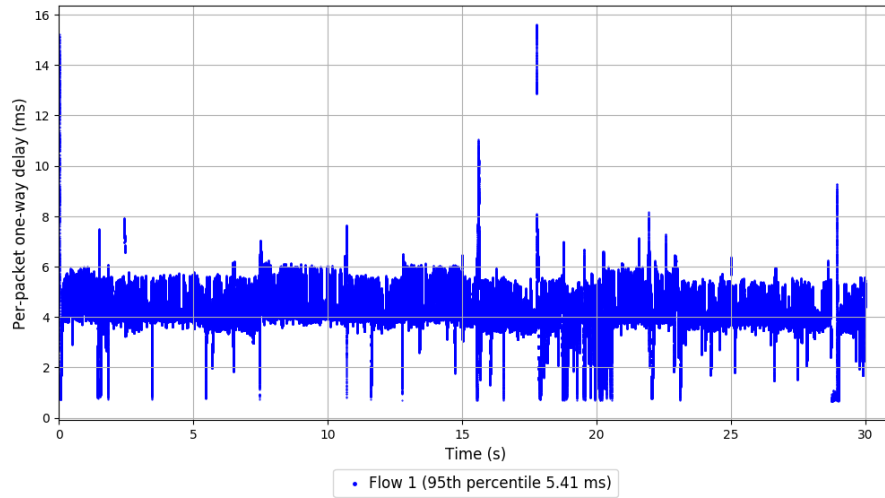
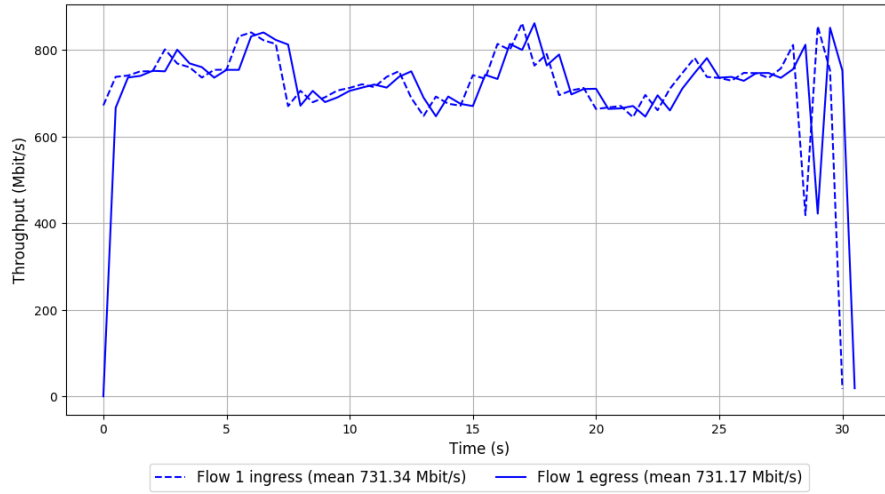
-- Flow 1:

Average throughput: 731.17 Mbit/s

95th percentile per-packet one-way delay: 5.409 ms

Loss rate: 0.02%

Run 4: Report of TCP BBR — Data Link



Run 5: Statistics of TCP BBR

Start at: 2019-04-23 21:01:54

End at: 2019-04-23 21:02:24

Local clock offset: -0.749 ms

Remote clock offset: -0.316 ms

Below is generated by plot.py at 2019-04-23 21:42:31

Datalink statistics

-- Total of 1 flow:

Average throughput: 708.51 Mbit/s

95th percentile per-packet one-way delay: 5.565 ms

Loss rate: 0.03%

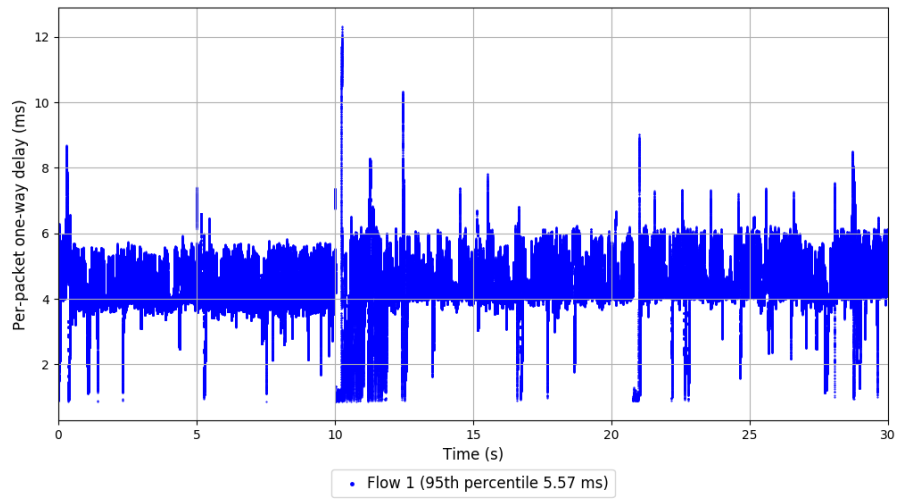
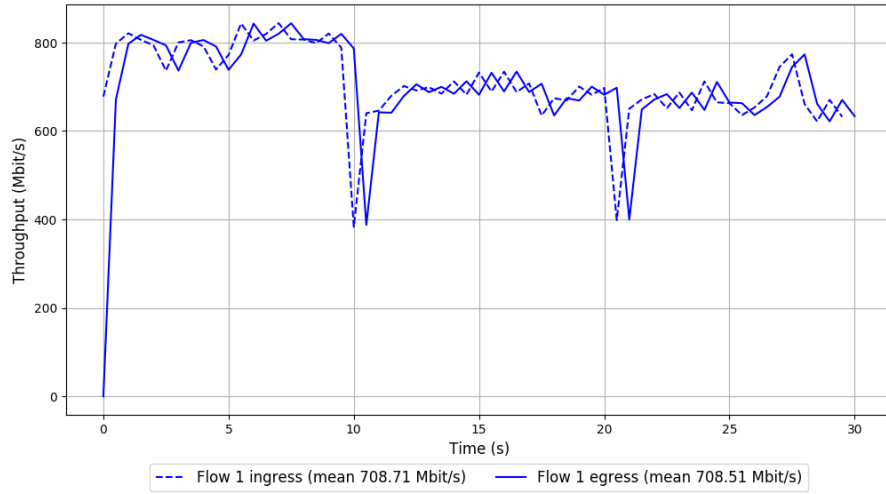
-- Flow 1:

Average throughput: 708.51 Mbit/s

95th percentile per-packet one-way delay: 5.565 ms

Loss rate: 0.03%

Run 5: Report of TCP BBR — Data Link



Run 1: Statistics of Copa

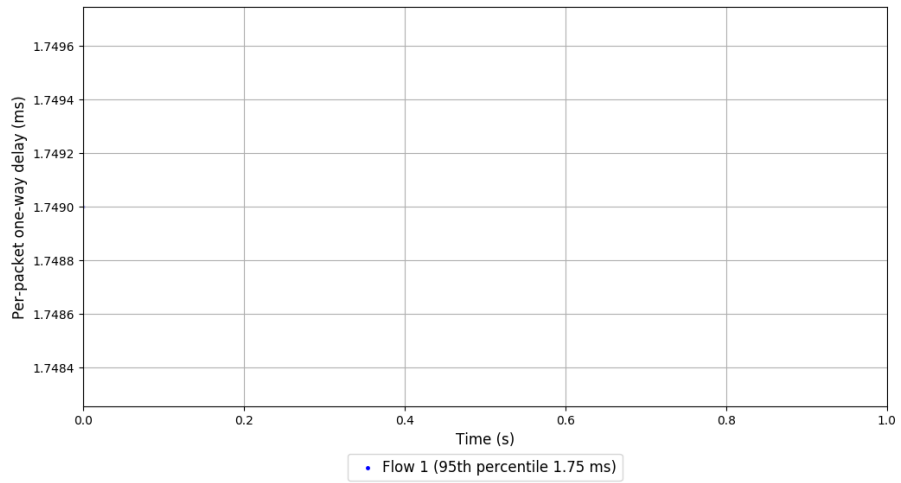
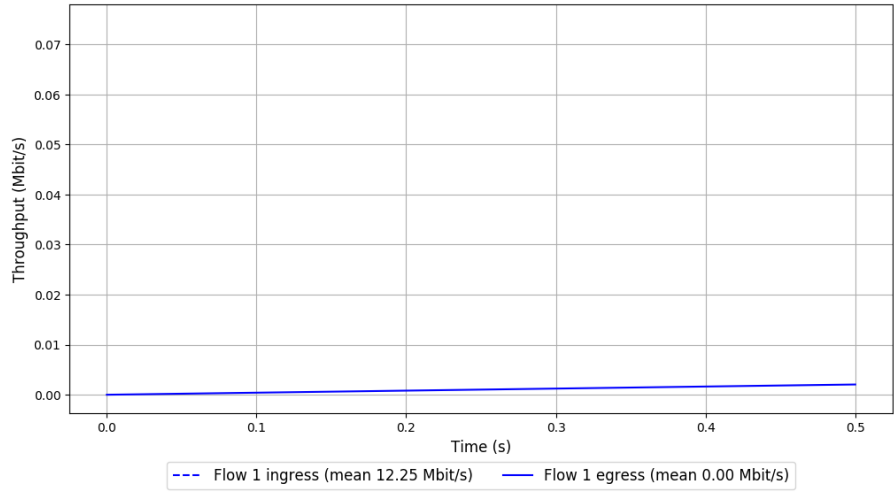
Start at: 2019-04-23 19:20:43

End at: 2019-04-23 19:21:13

Local clock offset: -11.953 ms

Remote clock offset: 1.893 ms

Run 1: Report of Copa — Data Link



Run 2: Statistics of Copa

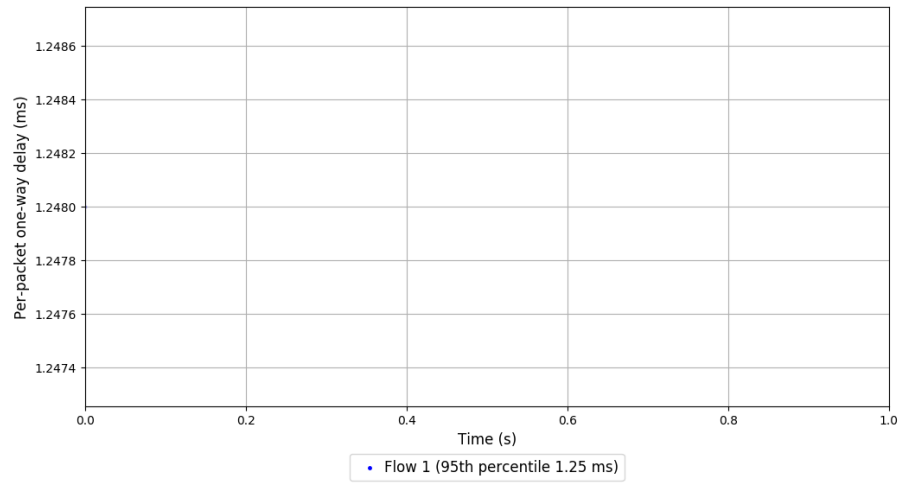
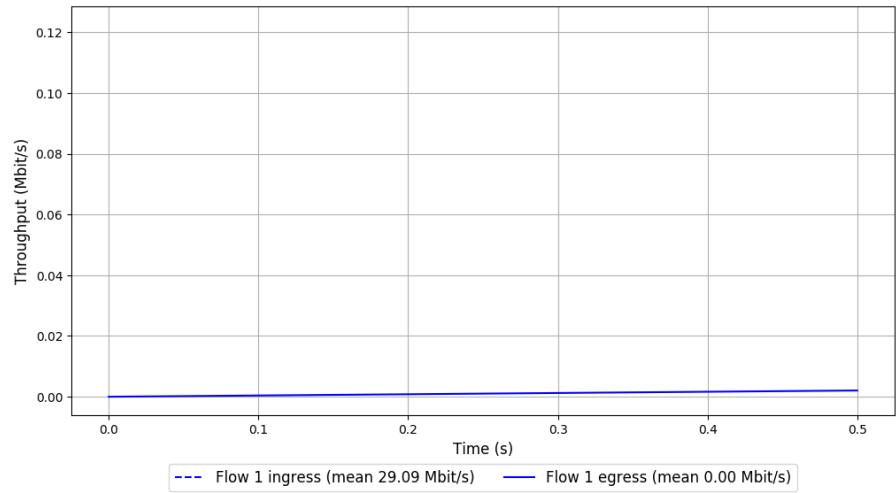
Start at: 2019-04-23 19:49:17

End at: 2019-04-23 19:49:47

Local clock offset: -6.045 ms

Remote clock offset: -0.615 ms

Run 2: Report of Copa — Data Link



Run 3: Statistics of Copa

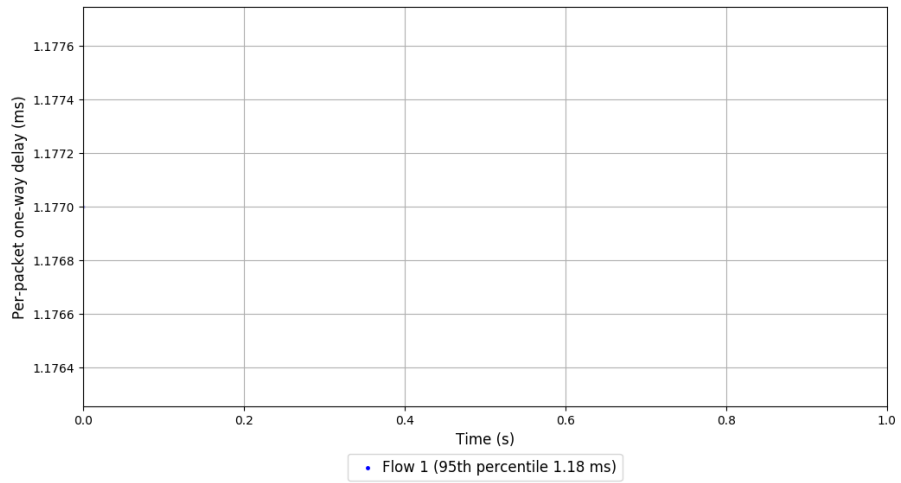
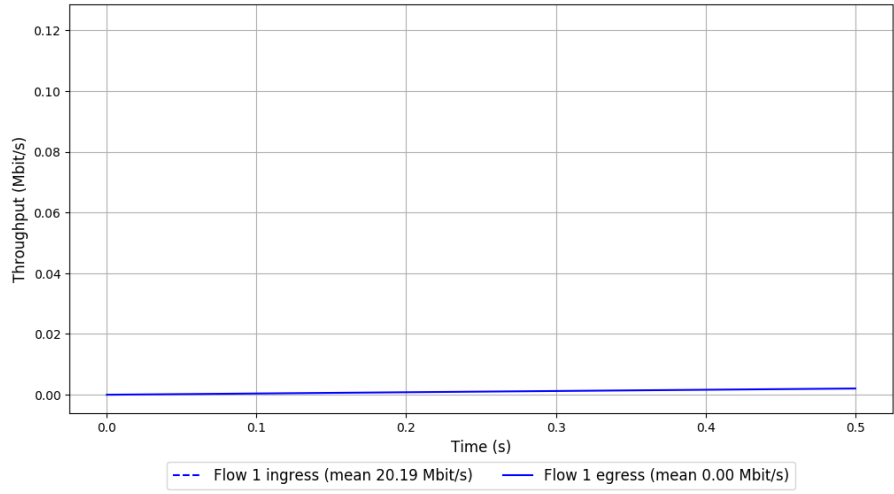
Start at: 2019-04-23 20:18:18

End at: 2019-04-23 20:18:48

Local clock offset: -1.719 ms

Remote clock offset: 0.295 ms

Run 3: Report of Copa — Data Link



Run 4: Statistics of Copa

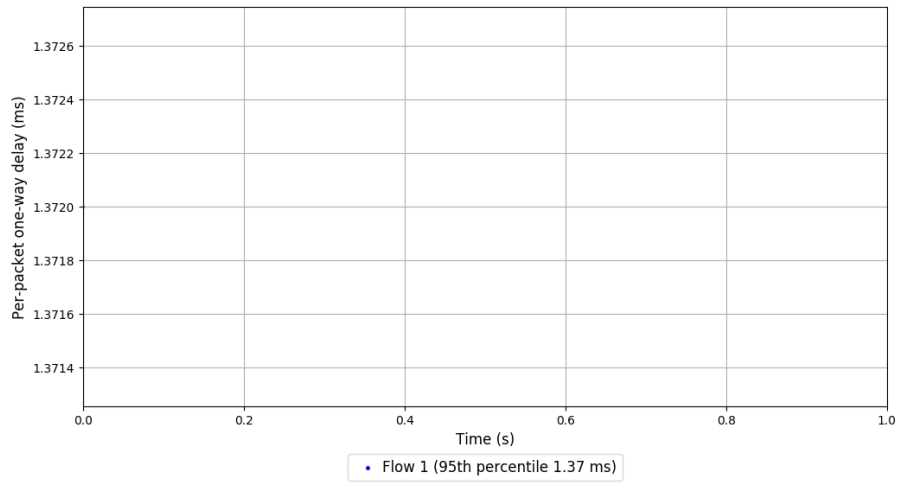
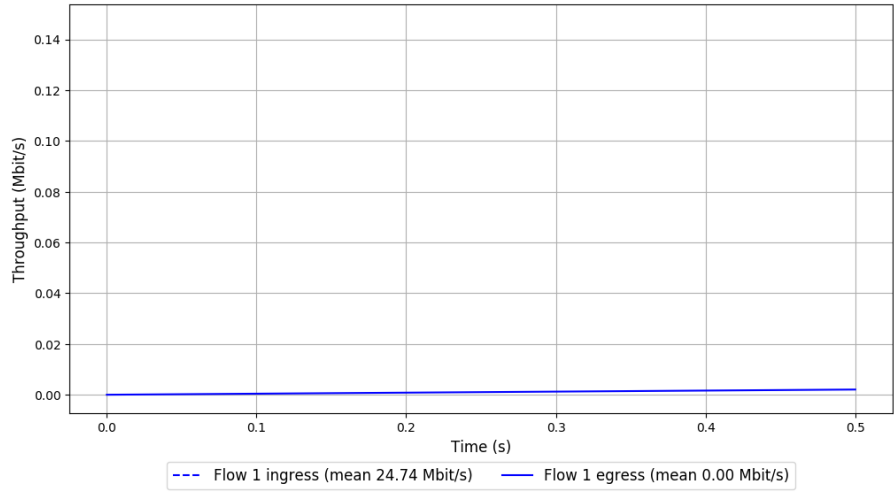
Start at: 2019-04-23 20:47:00

End at: 2019-04-23 20:47:30

Local clock offset: -2.567 ms

Remote clock offset: 2.748 ms

Run 4: Report of Copa — Data Link



Run 5: Statistics of Copa

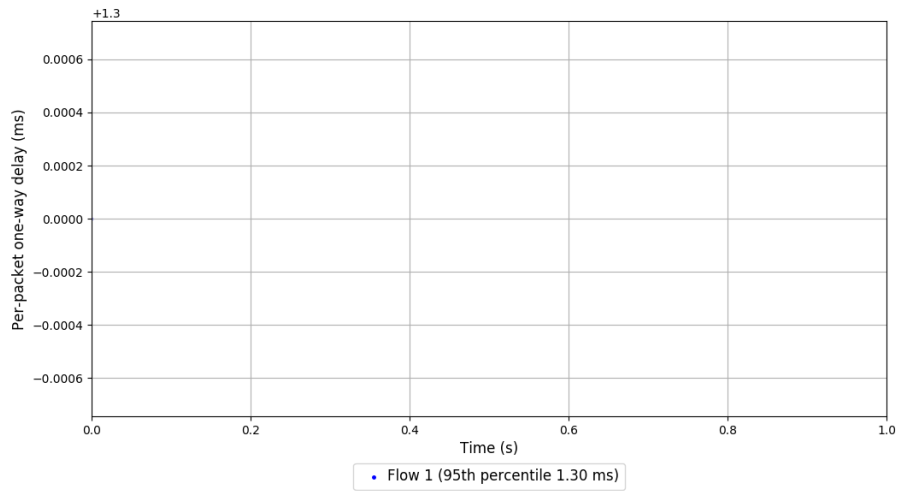
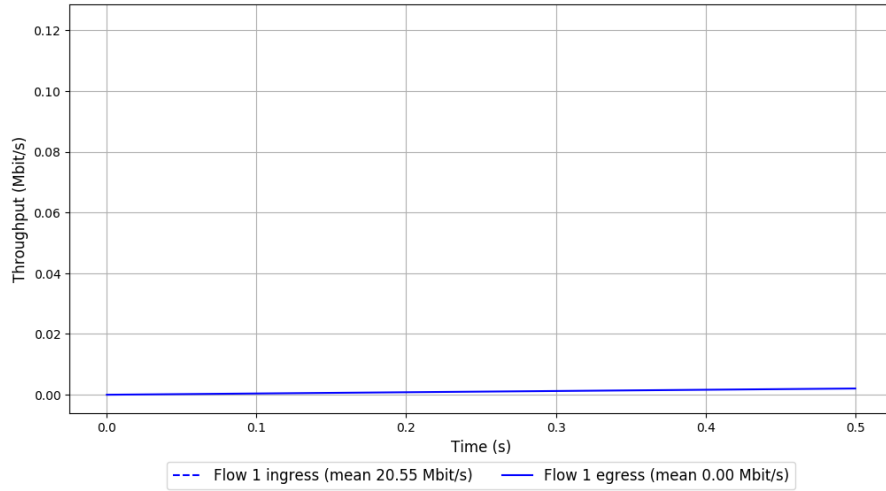
Start at: 2019-04-23 21:15:39

End at: 2019-04-23 21:16:09

Local clock offset: -1.008 ms

Remote clock offset: -1.28 ms

Run 5: Report of Copa — Data Link



Run 1: Statistics of TCP Cubic

Start at: 2019-04-23 19:27:16

End at: 2019-04-23 19:27:46

Local clock offset: -8.637 ms

Remote clock offset: 1.788 ms

Below is generated by plot.py at 2019-04-23 21:42:31

Datalink statistics

-- Total of 1 flow:

Average throughput: 694.19 Mbit/s

95th percentile per-packet one-way delay: 13.669 ms

Loss rate: 0.05%

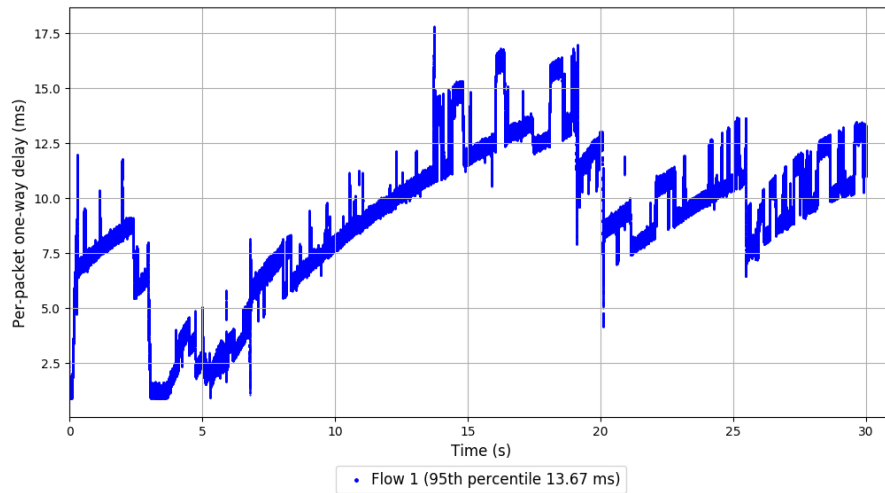
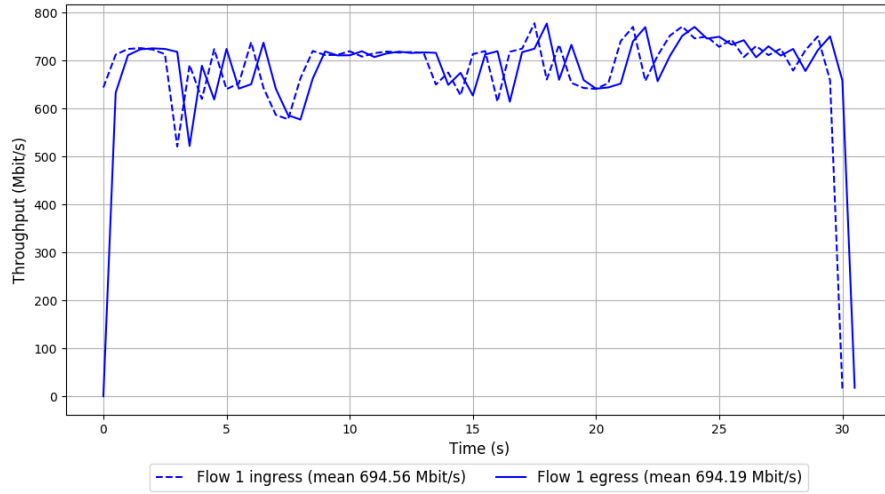
-- Flow 1:

Average throughput: 694.19 Mbit/s

95th percentile per-packet one-way delay: 13.669 ms

Loss rate: 0.05%

Run 1: Report of TCP Cubic — Data Link

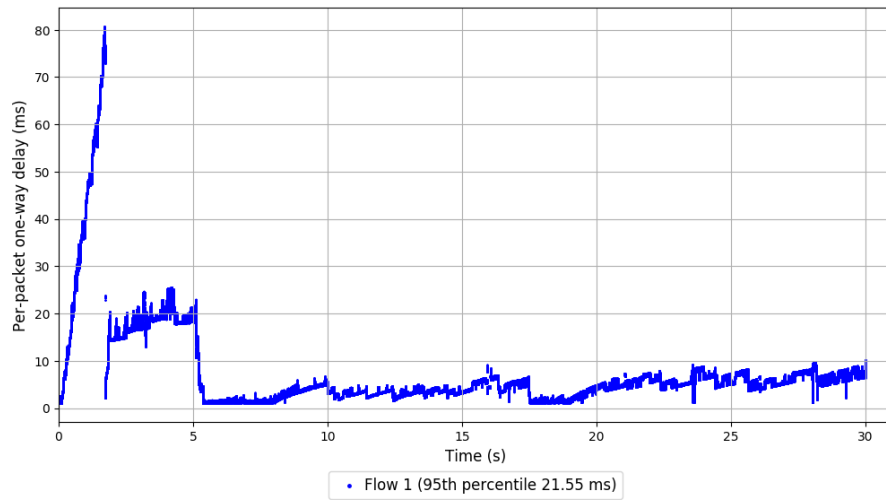
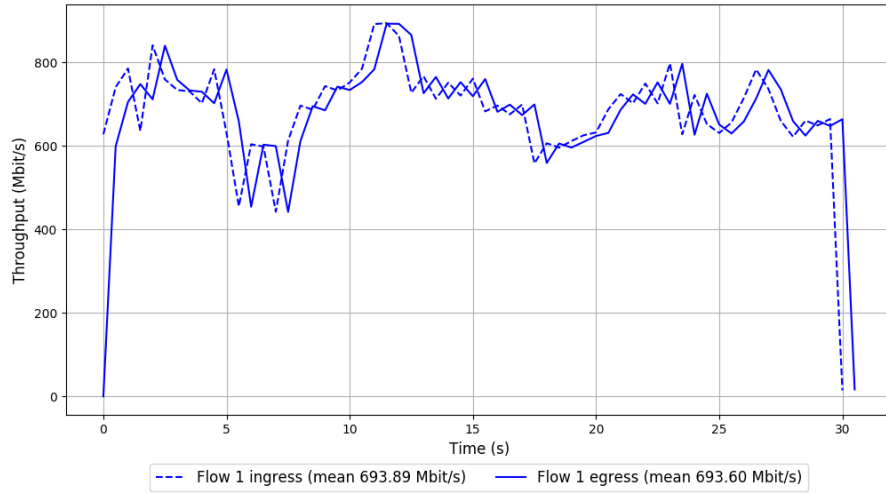


Run 2: Statistics of TCP Cubic

Start at: 2019-04-23 19:55:58
End at: 2019-04-23 19:56:28
Local clock offset: -2.669 ms
Remote clock offset: -1.307 ms

Below is generated by plot.py at 2019-04-23 21:42:31
Datalink statistics
-- Total of 1 flow:
Average throughput: 693.60 Mbit/s
95th percentile per-packet one-way delay: 21.548 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 693.60 Mbit/s
95th percentile per-packet one-way delay: 21.548 ms
Loss rate: 0.04%

Run 2: Report of TCP Cubic — Data Link



Run 3: Statistics of TCP Cubic

Start at: 2019-04-23 20:24:49

End at: 2019-04-23 20:25:19

Local clock offset: -1.546 ms

Remote clock offset: 1.756 ms

Below is generated by plot.py at 2019-04-23 21:42:31

Datalink statistics

-- Total of 1 flow:

Average throughput: 691.11 Mbit/s

95th percentile per-packet one-way delay: 7.728 ms

Loss rate: 0.04%

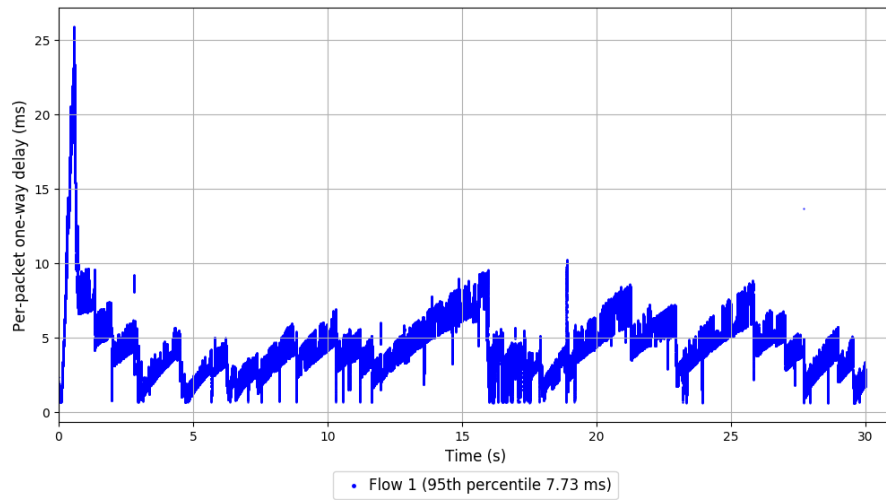
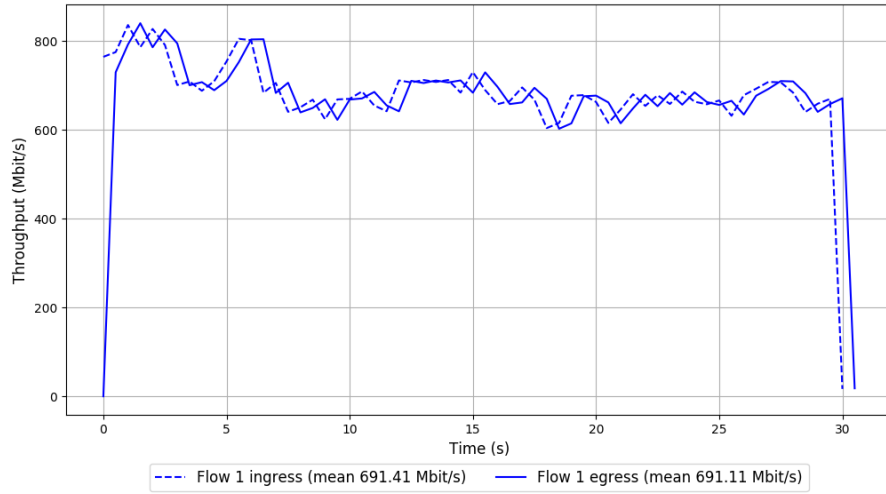
-- Flow 1:

Average throughput: 691.11 Mbit/s

95th percentile per-packet one-way delay: 7.728 ms

Loss rate: 0.04%

Run 3: Report of TCP Cubic — Data Link



Run 4: Statistics of TCP Cubic

Start at: 2019-04-23 20:53:27

End at: 2019-04-23 20:53:57

Local clock offset: -1.235 ms

Remote clock offset: 0.814 ms

Below is generated by plot.py at 2019-04-23 21:48:52

Datalink statistics

-- Total of 1 flow:

Average throughput: 713.43 Mbit/s

95th percentile per-packet one-way delay: 6.033 ms

Loss rate: 0.06%

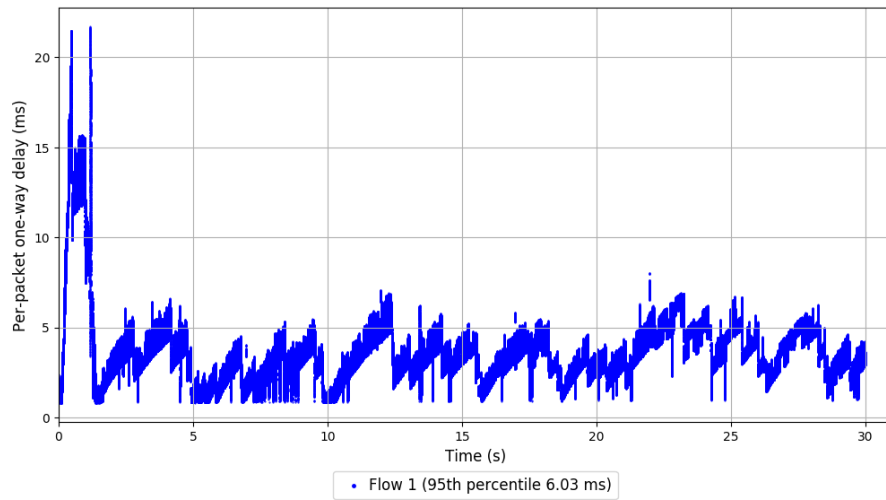
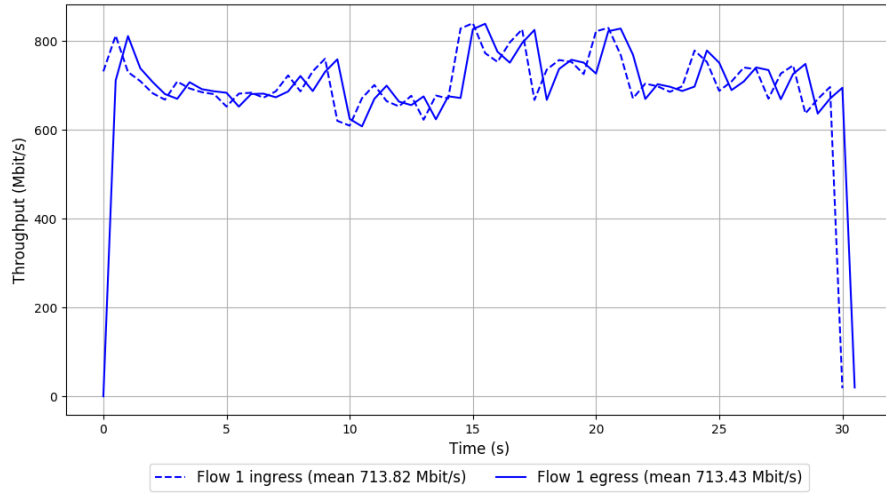
-- Flow 1:

Average throughput: 713.43 Mbit/s

95th percentile per-packet one-way delay: 6.033 ms

Loss rate: 0.06%

Run 4: Report of TCP Cubic — Data Link

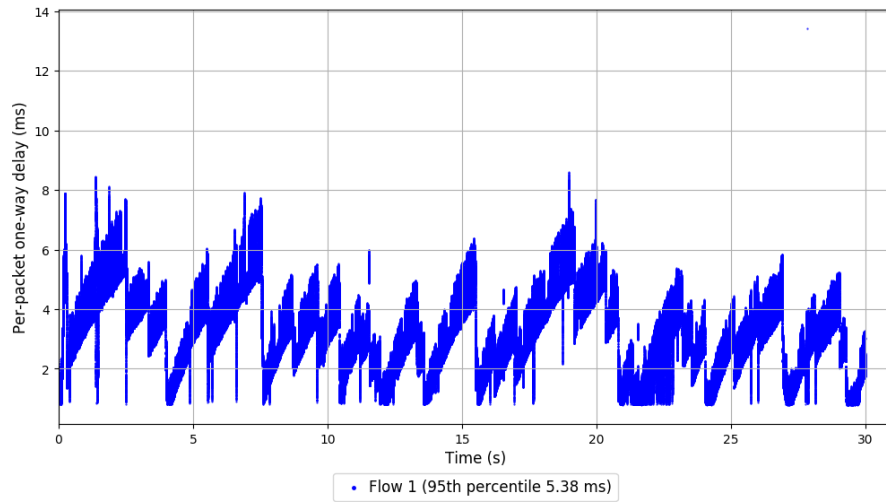
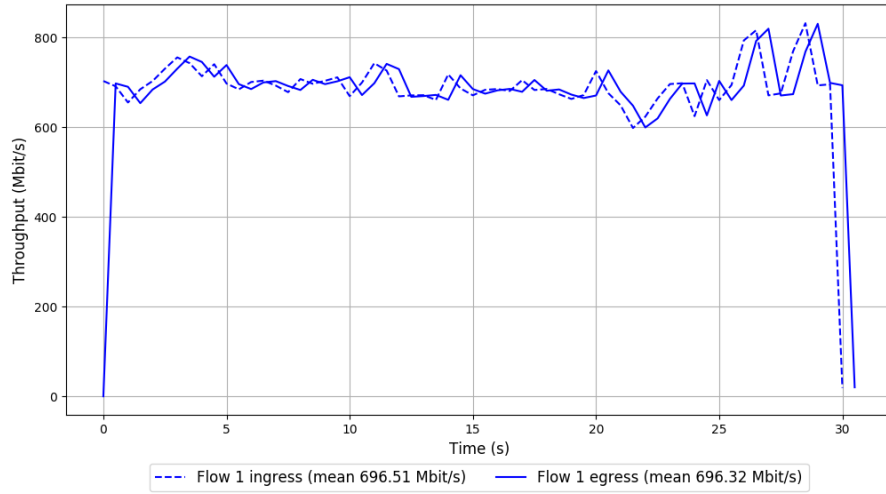


Run 5: Statistics of TCP Cubic

Start at: 2019-04-23 21:22:13
End at: 2019-04-23 21:22:43
Local clock offset: -0.564 ms
Remote clock offset: -1.337 ms

Below is generated by plot.py at 2019-04-23 21:48:52
Datalink statistics
-- Total of 1 flow:
Average throughput: 696.32 Mbit/s
95th percentile per-packet one-way delay: 5.382 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 696.32 Mbit/s
95th percentile per-packet one-way delay: 5.382 ms
Loss rate: 0.03%

Run 5: Report of TCP Cubic — Data Link

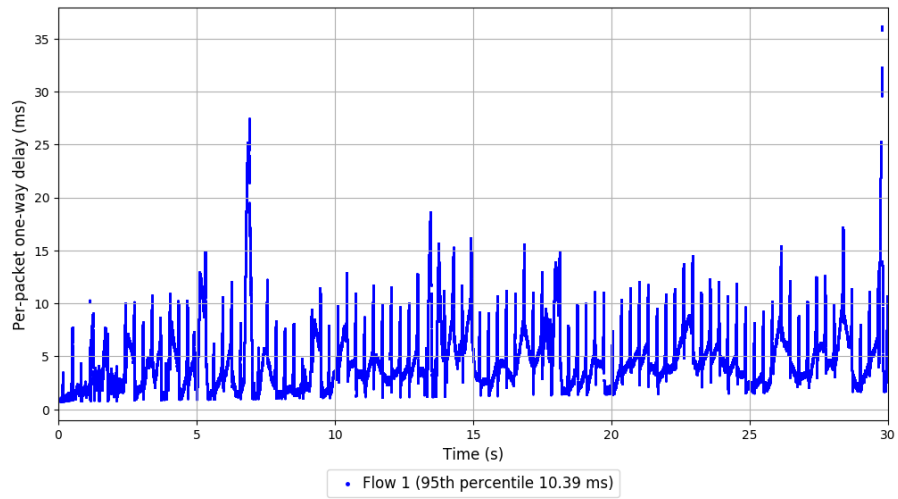
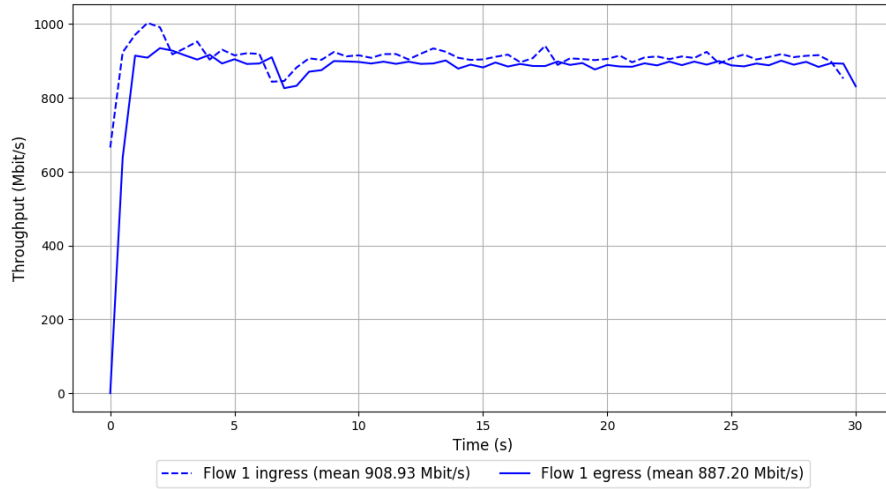


Run 1: Statistics of FillP

Start at: 2019-04-23 19:14:58
End at: 2019-04-23 19:15:28
Local clock offset: -19.059 ms
Remote clock offset: 1.712 ms

Below is generated by plot.py at 2019-04-23 21:54:32
Datalink statistics
-- Total of 1 flow:
Average throughput: 887.20 Mbit/s
95th percentile per-packet one-way delay: 10.391 ms
Loss rate: 2.38%
-- Flow 1:
Average throughput: 887.20 Mbit/s
95th percentile per-packet one-way delay: 10.391 ms
Loss rate: 2.38%

Run 1: Report of FillP — Data Link



Run 2: Statistics of FillP

Start at: 2019-04-23 19:43:31

End at: 2019-04-23 19:44:01

Local clock offset: -9.881 ms

Remote clock offset: 0.241 ms

Below is generated by plot.py at 2019-04-23 21:54:46

Datalink statistics

-- Total of 1 flow:

Average throughput: 891.88 Mbit/s

95th percentile per-packet one-way delay: 14.593 ms

Loss rate: 3.65%

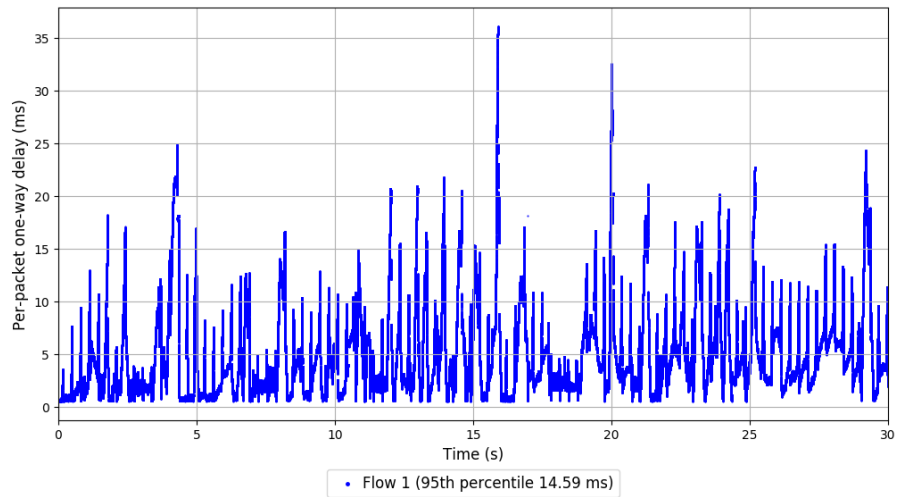
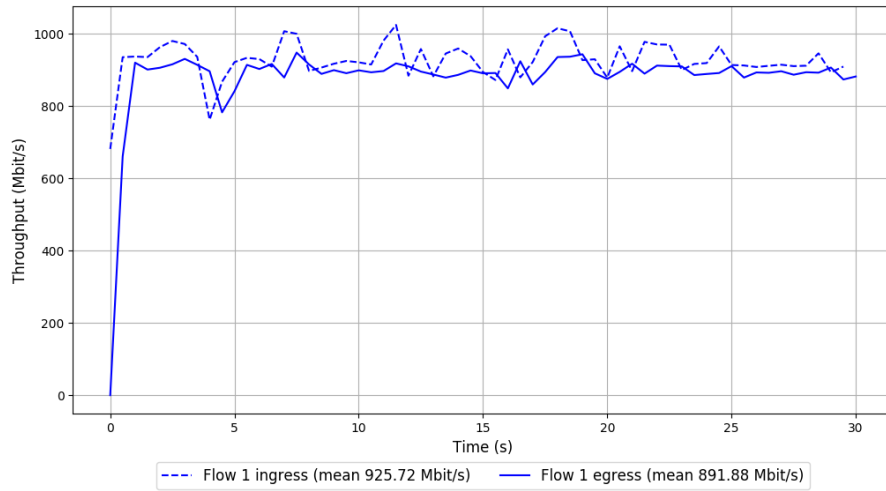
-- Flow 1:

Average throughput: 891.88 Mbit/s

95th percentile per-packet one-way delay: 14.593 ms

Loss rate: 3.65%

Run 2: Report of FillP — Data Link

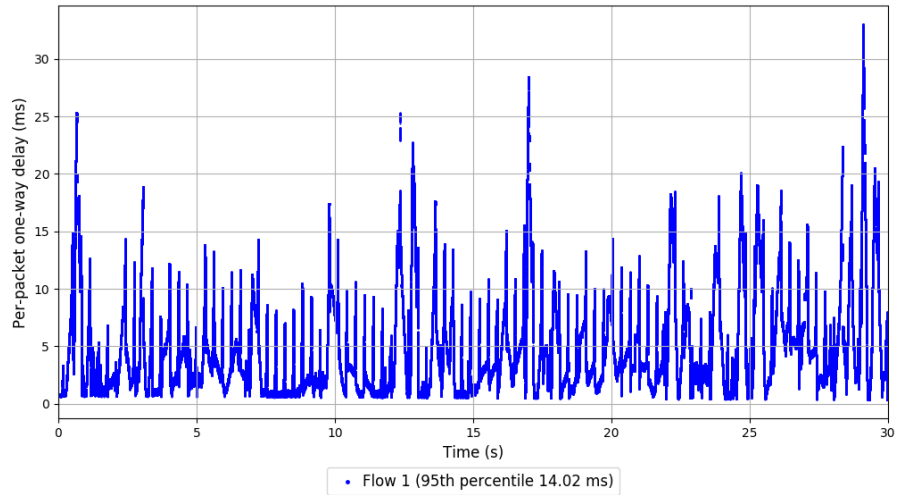
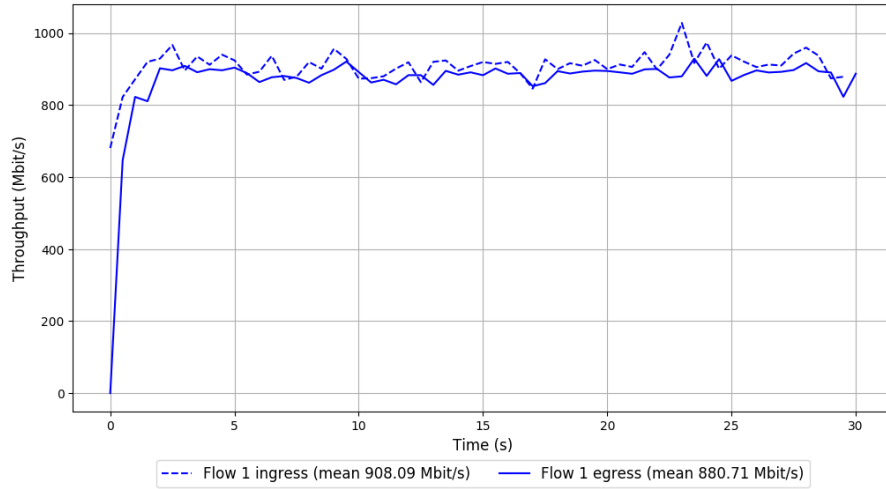


Run 3: Statistics of FillP

Start at: 2019-04-23 20:12:25
End at: 2019-04-23 20:12:55
Local clock offset: -1.777 ms
Remote clock offset: -2.252 ms

Below is generated by plot.py at 2019-04-23 21:54:46
Datalink statistics
-- Total of 1 flow:
Average throughput: 880.71 Mbit/s
95th percentile per-packet one-way delay: 14.015 ms
Loss rate: 3.01%
-- Flow 1:
Average throughput: 880.71 Mbit/s
95th percentile per-packet one-way delay: 14.015 ms
Loss rate: 3.01%

Run 3: Report of FillP — Data Link



Run 4: Statistics of FillP

Start at: 2019-04-23 20:41:14

End at: 2019-04-23 20:41:44

Local clock offset: -2.679 ms

Remote clock offset: 3.057 ms

Below is generated by plot.py at 2019-04-23 21:54:57

Datalink statistics

-- Total of 1 flow:

Average throughput: 898.99 Mbit/s

95th percentile per-packet one-way delay: 12.603 ms

Loss rate: 3.78%

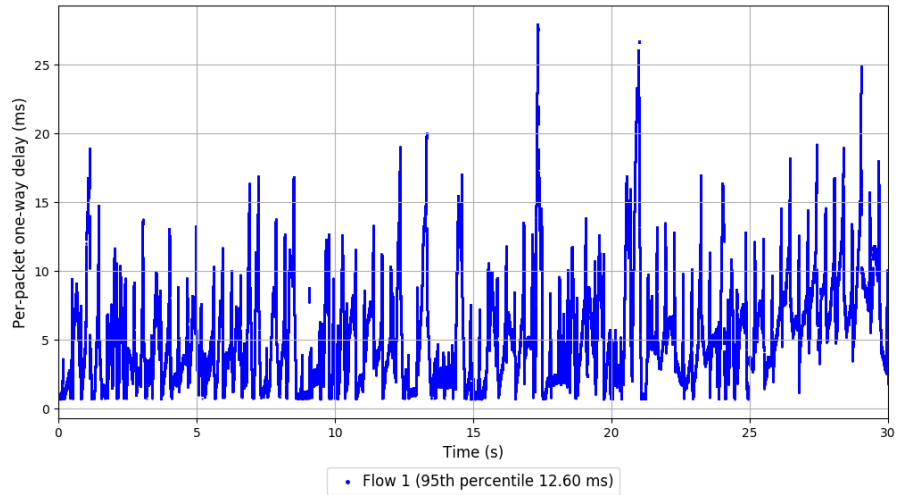
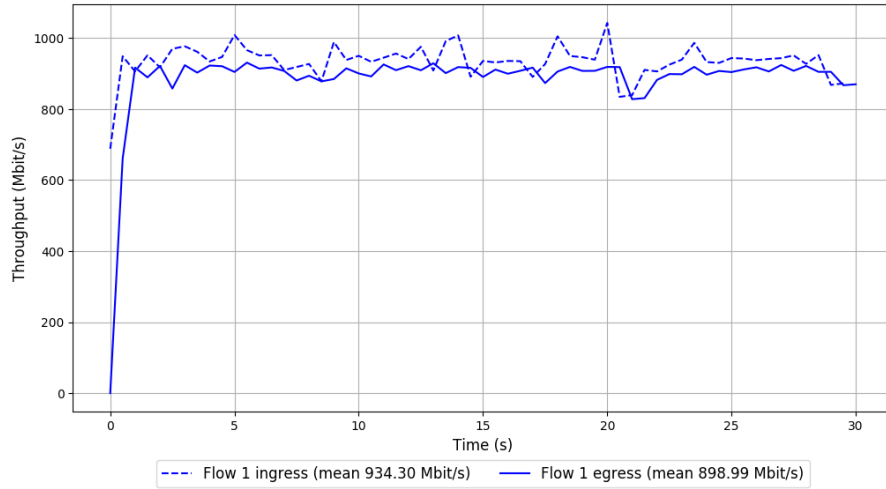
-- Flow 1:

Average throughput: 898.99 Mbit/s

95th percentile per-packet one-way delay: 12.603 ms

Loss rate: 3.78%

Run 4: Report of FillP — Data Link

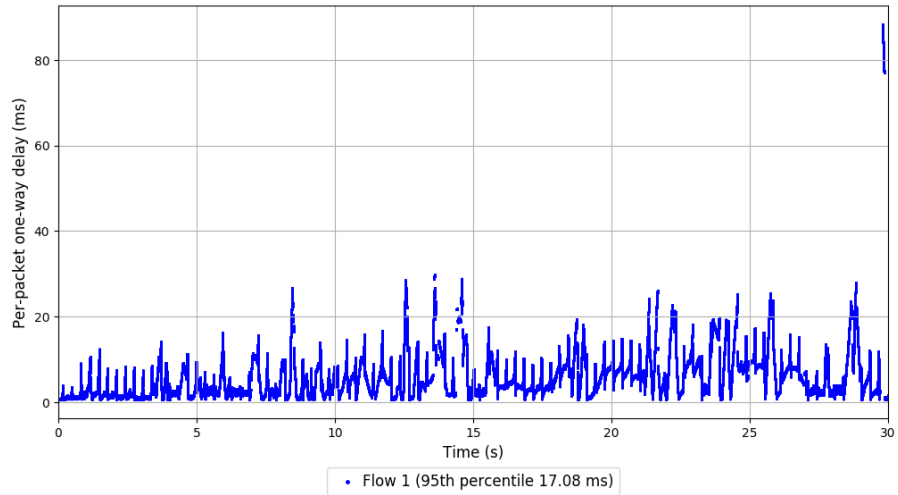
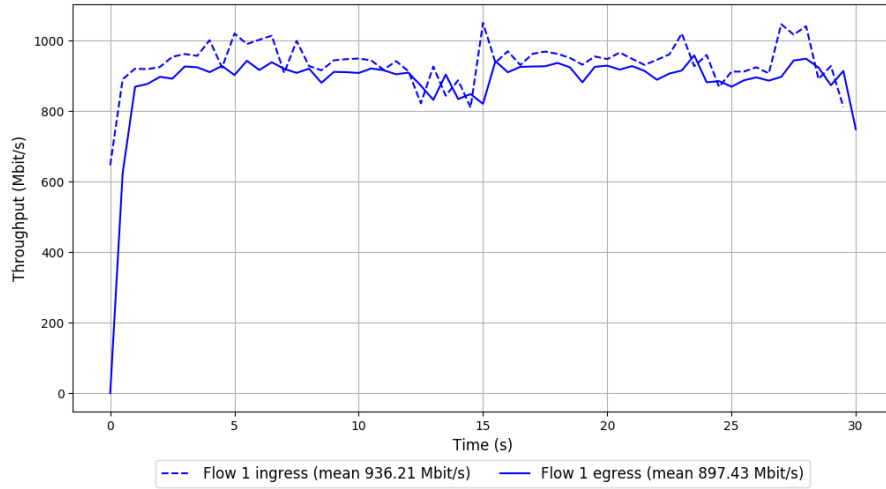


Run 5: Statistics of FillP

Start at: 2019-04-23 21:09:52
End at: 2019-04-23 21:10:22
Local clock offset: -0.824 ms
Remote clock offset: -1.135 ms

```
# Below is generated by plot.py at 2019-04-23 21:55:03
# Datalink statistics
-- Total of 1 flow:
Average throughput: 897.43 Mbit/s
95th percentile per-packet one-way delay: 17.083 ms
Loss rate: 4.14%
-- Flow 1:
Average throughput: 897.43 Mbit/s
95th percentile per-packet one-way delay: 17.083 ms
Loss rate: 4.14%
```

Run 5: Report of FillP — Data Link



Run 1: Statistics of FillP-Sheep

Start at: 2019-04-23 19:17:51
End at: 2019-04-23 19:18:21
Local clock offset: -15.124 ms
Remote clock offset: 1.798 ms

Below is generated by plot.py at 2019-04-23 21:55:03

Datalink statistics

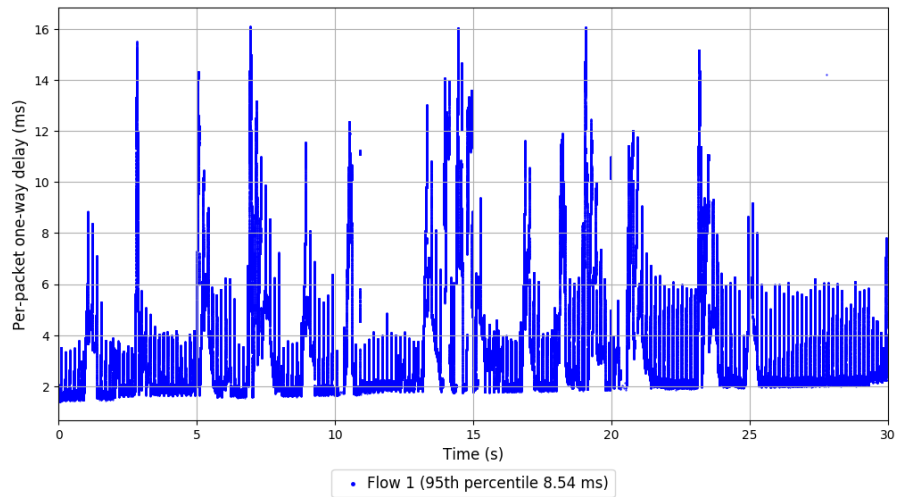
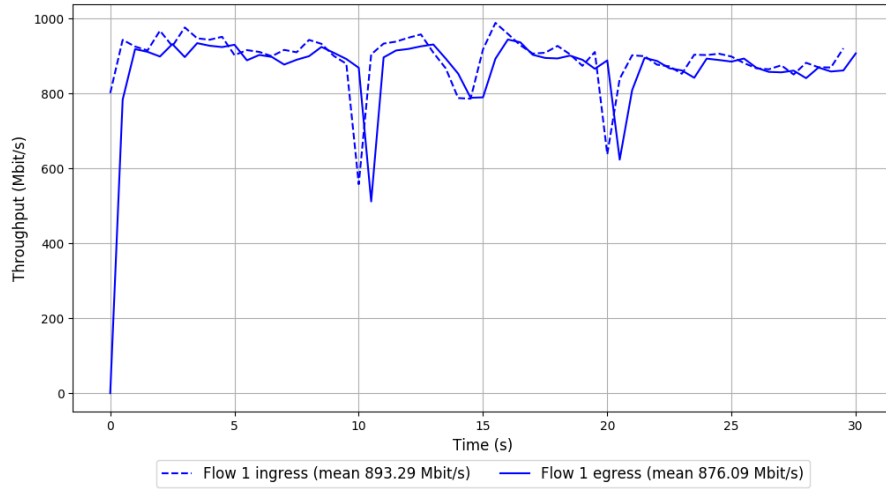
-- Total of 1 flow:

Average throughput: 876.09 Mbit/s
95th percentile per-packet one-way delay: 8.542 ms
Loss rate: 1.92%

-- Flow 1:

Average throughput: 876.09 Mbit/s
95th percentile per-packet one-way delay: 8.542 ms
Loss rate: 1.92%

Run 1: Report of FillP-Sheep — Data Link



Run 2: Statistics of FillP-Sheep

Start at: 2019-04-23 19:46:25
End at: 2019-04-23 19:46:55
Local clock offset: -9.104 ms
Remote clock offset: -0.274 ms

Below is generated by plot.py at 2019-04-23 22:03:03

Datalink statistics

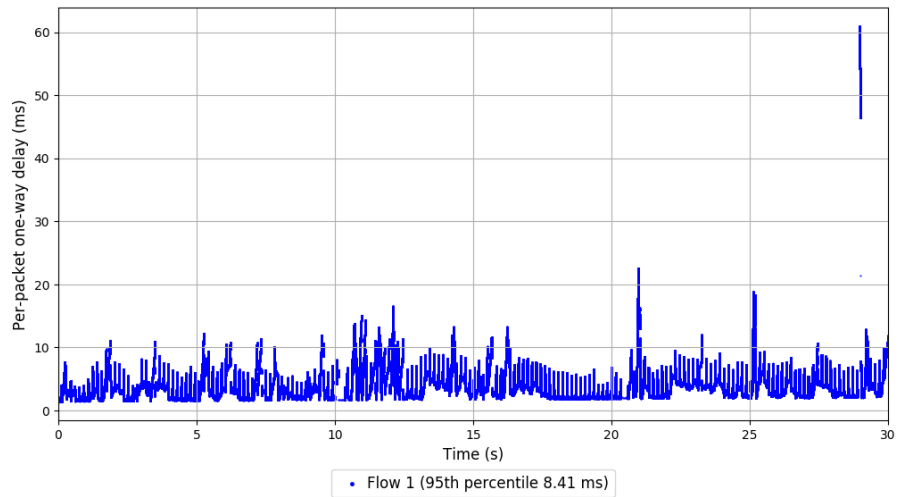
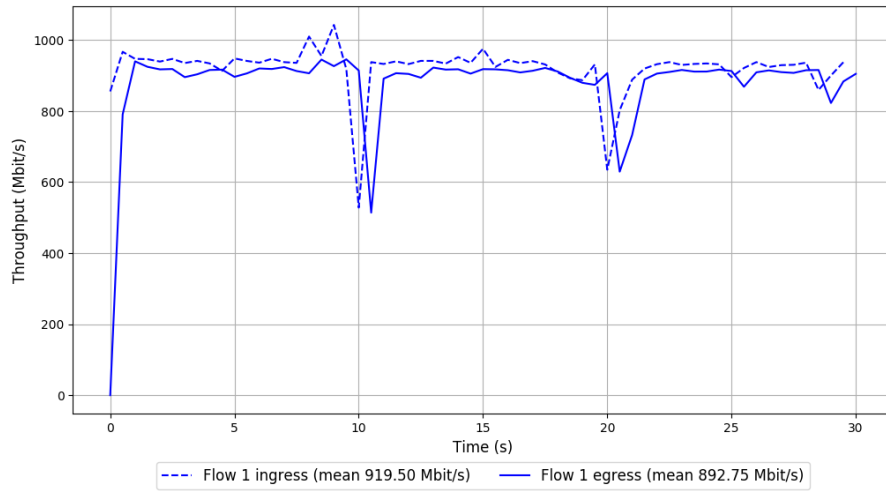
-- Total of 1 flow:

Average throughput: 892.75 Mbit/s
95th percentile per-packet one-way delay: 8.408 ms
Loss rate: 2.91%

-- Flow 1:

Average throughput: 892.75 Mbit/s
95th percentile per-packet one-way delay: 8.408 ms
Loss rate: 2.91%

Run 2: Report of FillP-Sheep — Data Link



Run 3: Statistics of FillP-Sheep

Start at: 2019-04-23 20:15:18

End at: 2019-04-23 20:15:48

Local clock offset: -2.049 ms

Remote clock offset: -0.859 ms

Below is generated by plot.py at 2019-04-23 22:03:16

Datalink statistics

-- Total of 1 flow:

Average throughput: 897.24 Mbit/s

95th percentile per-packet one-way delay: 8.695 ms

Loss rate: 2.28%

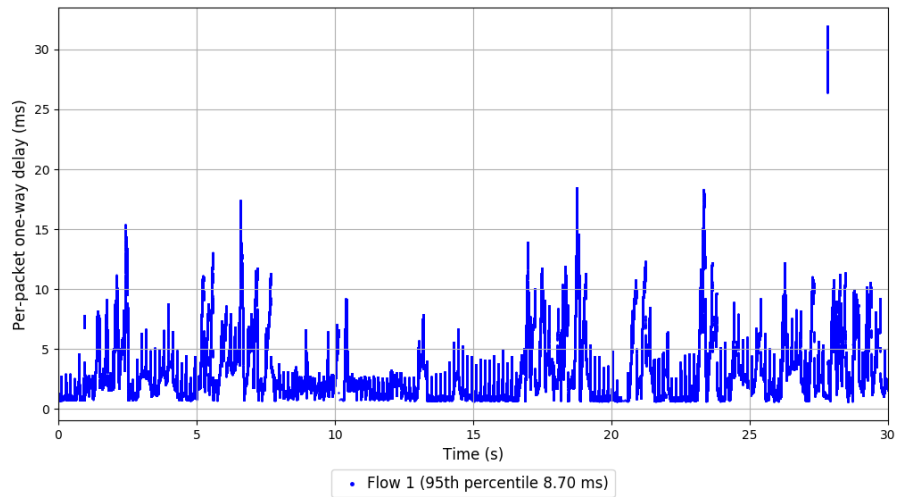
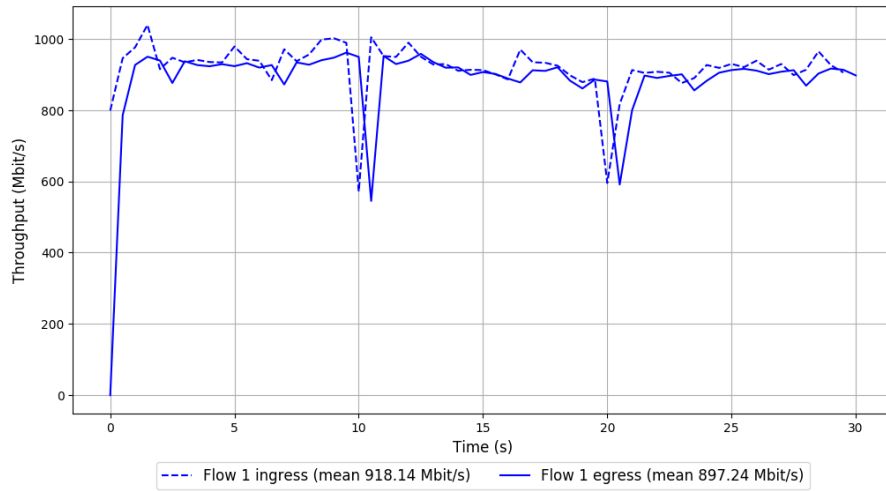
-- Flow 1:

Average throughput: 897.24 Mbit/s

95th percentile per-packet one-way delay: 8.695 ms

Loss rate: 2.28%

Run 3: Report of FillP-Sheep — Data Link



Run 4: Statistics of FillP-Sheep

Start at: 2019-04-23 20:44:08

End at: 2019-04-23 20:44:38

Local clock offset: -2.989 ms

Remote clock offset: 3.083 ms

Below is generated by plot.py at 2019-04-23 22:08:05

Datalink statistics

-- Total of 1 flow:

Average throughput: 905.14 Mbit/s

95th percentile per-packet one-way delay: 8.351 ms

Loss rate: 2.57%

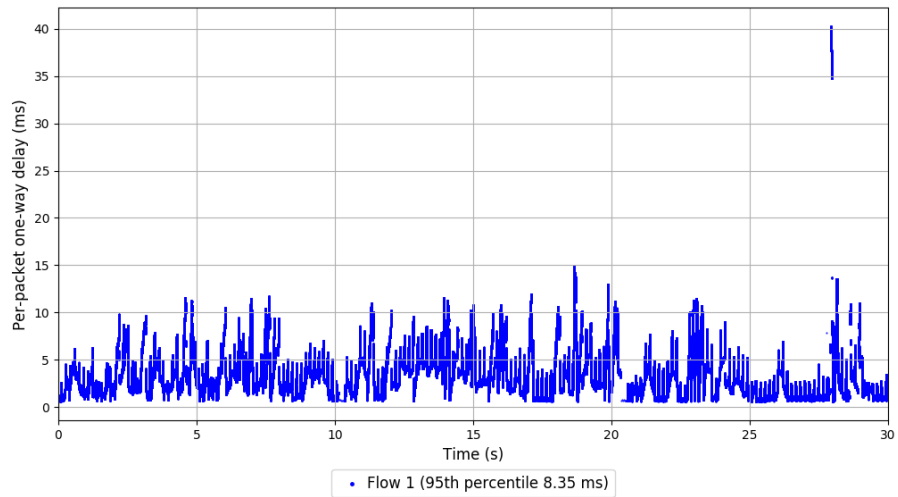
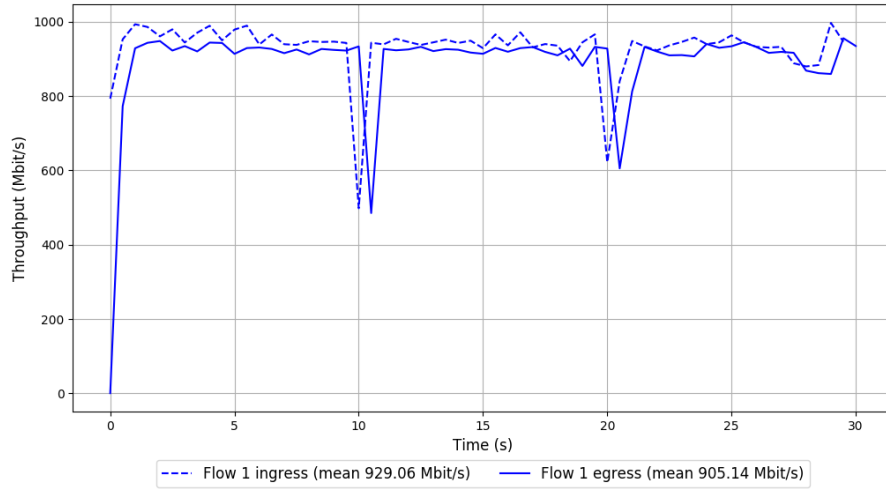
-- Flow 1:

Average throughput: 905.14 Mbit/s

95th percentile per-packet one-way delay: 8.351 ms

Loss rate: 2.57%

Run 4: Report of FillP-Sheep — Data Link



Run 5: Statistics of FillP-Sheep

Start at: 2019-04-23 21:12:46
End at: 2019-04-23 21:13:16
Local clock offset: -0.869 ms
Remote clock offset: -1.106 ms

Below is generated by plot.py at 2019-04-23 22:08:05

Datalink statistics

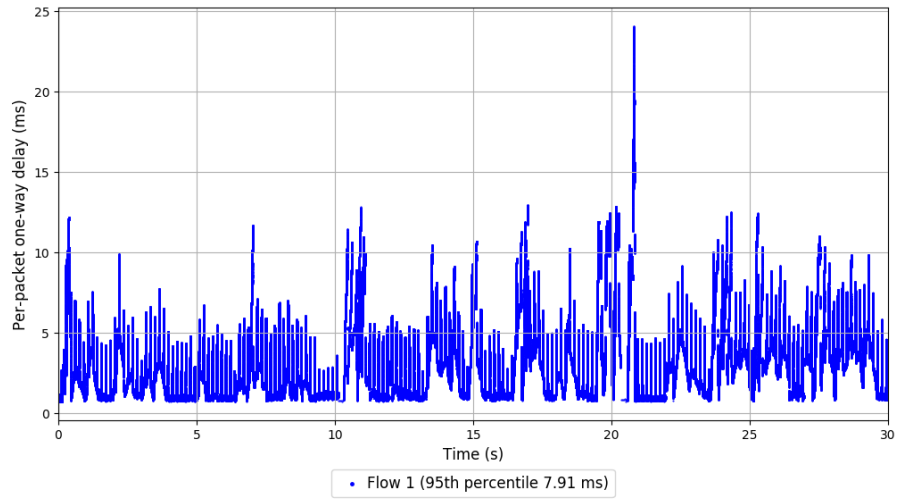
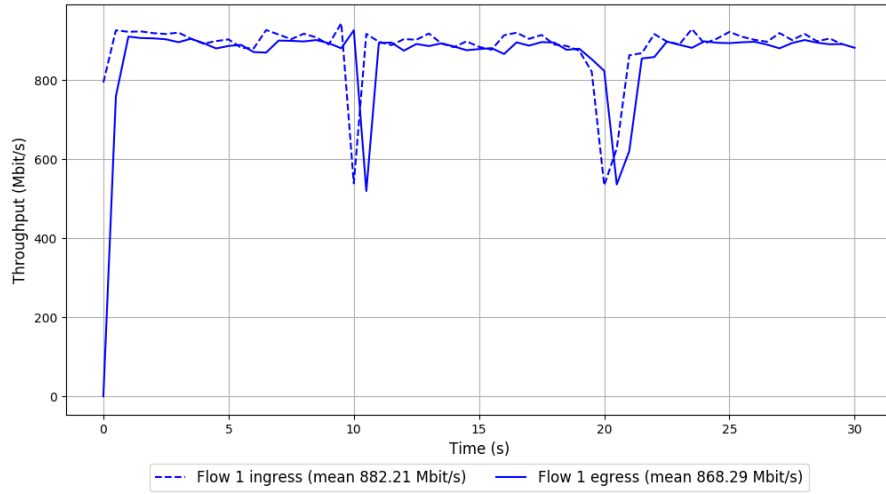
-- Total of 1 flow:

Average throughput: 868.29 Mbit/s
95th percentile per-packet one-way delay: 7.913 ms
Loss rate: 1.58%

-- Flow 1:

Average throughput: 868.29 Mbit/s
95th percentile per-packet one-way delay: 7.913 ms
Loss rate: 1.58%

Run 5: Report of FillP-Sheep — Data Link



Run 1: Statistics of Indigo

Start at: 2019-04-23 19:23:11
End at: 2019-04-23 19:23:41
Local clock offset: -10.192 ms
Remote clock offset: 1.823 ms

Below is generated by plot.py at 2019-04-23 22:08:05

Datalink statistics

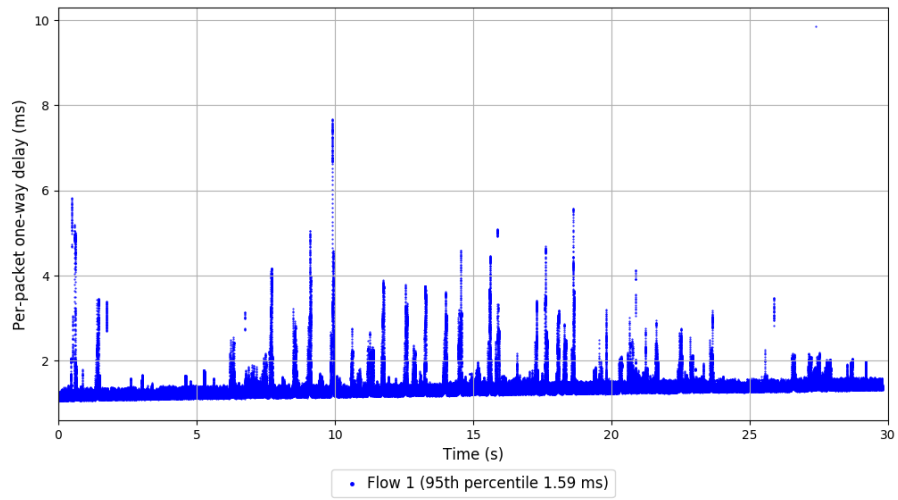
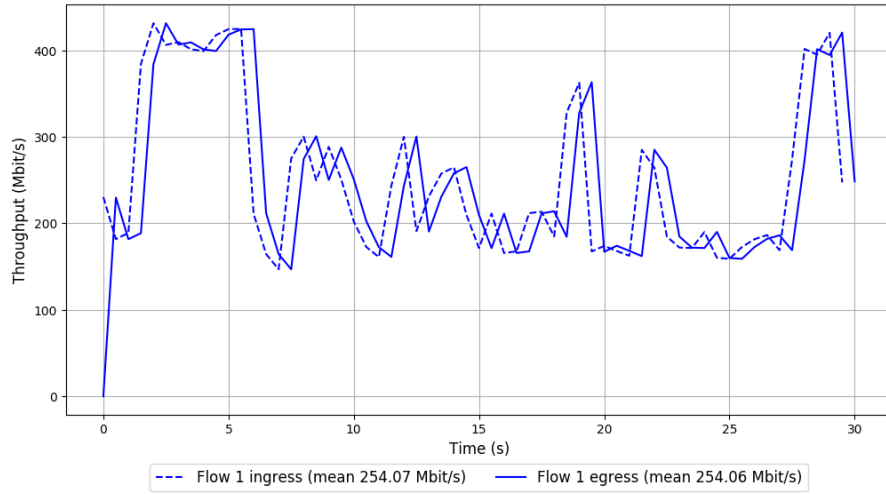
-- Total of 1 flow:

Average throughput: 254.06 Mbit/s
95th percentile per-packet one-way delay: 1.595 ms
Loss rate: 0.00%

-- Flow 1:

Average throughput: 254.06 Mbit/s
95th percentile per-packet one-way delay: 1.595 ms
Loss rate: 0.00%

Run 1: Report of Indigo — Data Link



Run 2: Statistics of Indigo

Start at: 2019-04-23 19:51:51
End at: 2019-04-23 19:52:21
Local clock offset: -4.443 ms
Remote clock offset: -0.978 ms

Below is generated by plot.py at 2019-04-23 22:08:05

Datalink statistics

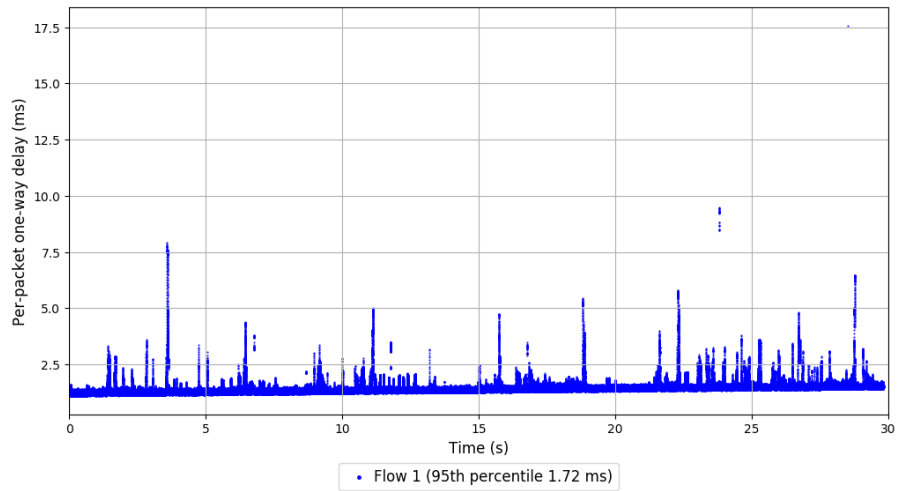
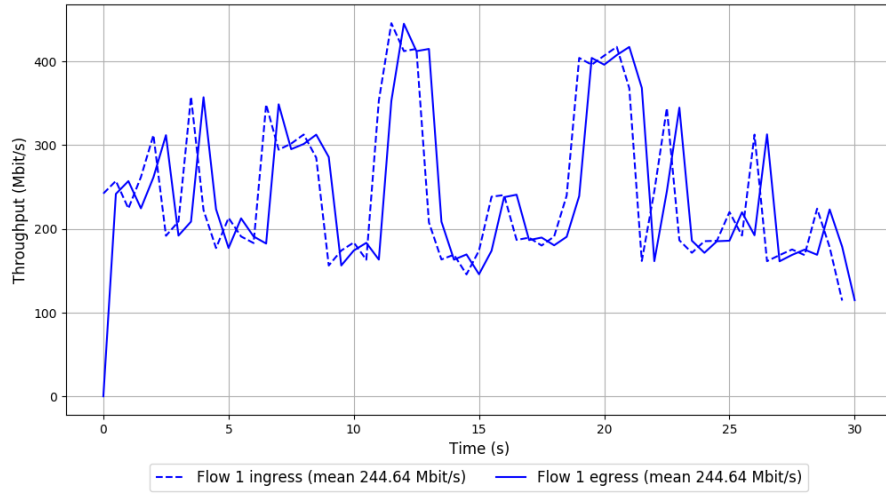
-- Total of 1 flow:

Average throughput: 244.64 Mbit/s
95th percentile per-packet one-way delay: 1.724 ms
Loss rate: 0.00%

-- Flow 1:

Average throughput: 244.64 Mbit/s
95th percentile per-packet one-way delay: 1.724 ms
Loss rate: 0.00%

Run 2: Report of Indigo — Data Link



Run 3: Statistics of Indigo

Start at: 2019-04-23 20:20:45

End at: 2019-04-23 20:21:15

Local clock offset: -1.592 ms

Remote clock offset: 0.958 ms

Below is generated by plot.py at 2019-04-23 22:08:05

Datalink statistics

-- Total of 1 flow:

Average throughput: 234.65 Mbit/s

95th percentile per-packet one-way delay: 1.007 ms

Loss rate: 0.00%

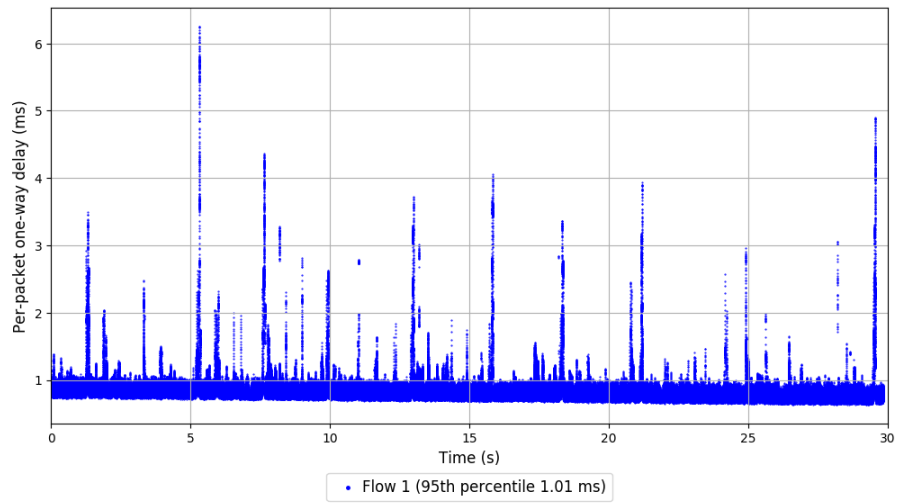
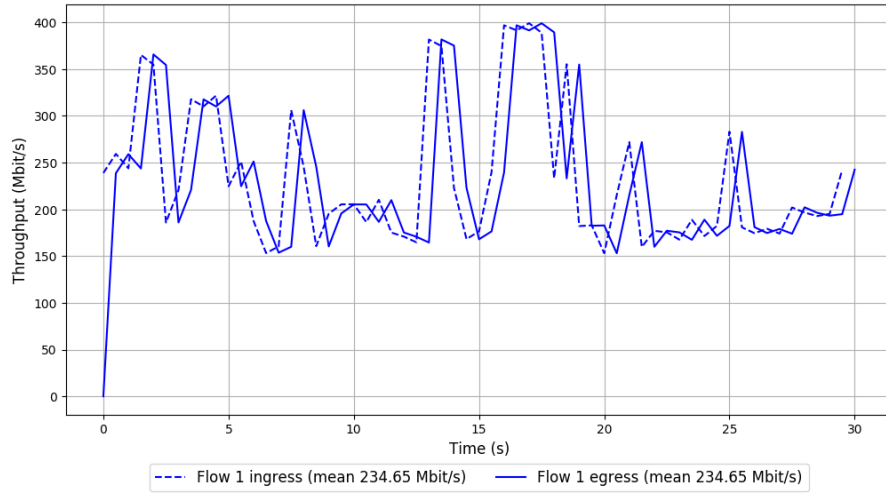
-- Flow 1:

Average throughput: 234.65 Mbit/s

95th percentile per-packet one-way delay: 1.007 ms

Loss rate: 0.00%

Run 3: Report of Indigo — Data Link



Run 4: Statistics of Indigo

Start at: 2019-04-23 20:49:28

End at: 2019-04-23 20:49:58

Local clock offset: -1.924 ms

Remote clock offset: 1.828 ms

Below is generated by plot.py at 2019-04-23 22:08:05

Datalink statistics

-- Total of 1 flow:

Average throughput: 226.18 Mbit/s

95th percentile per-packet one-way delay: 1.397 ms

Loss rate: 0.00%

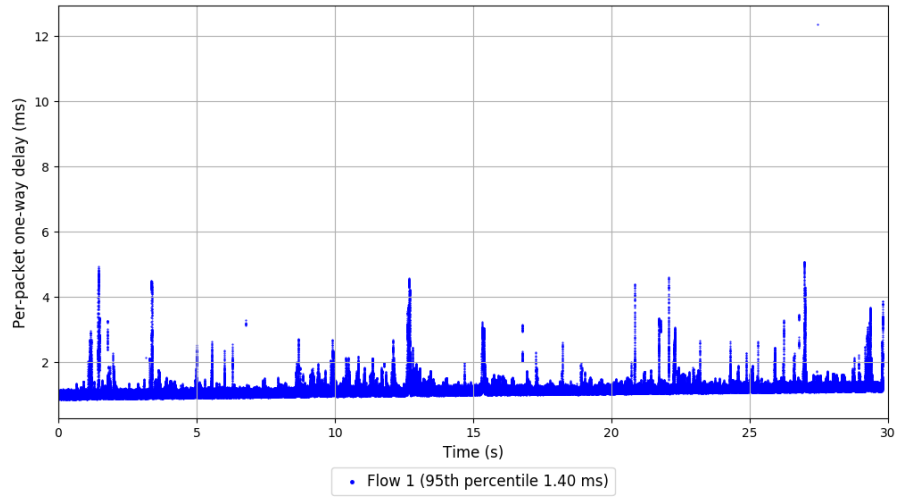
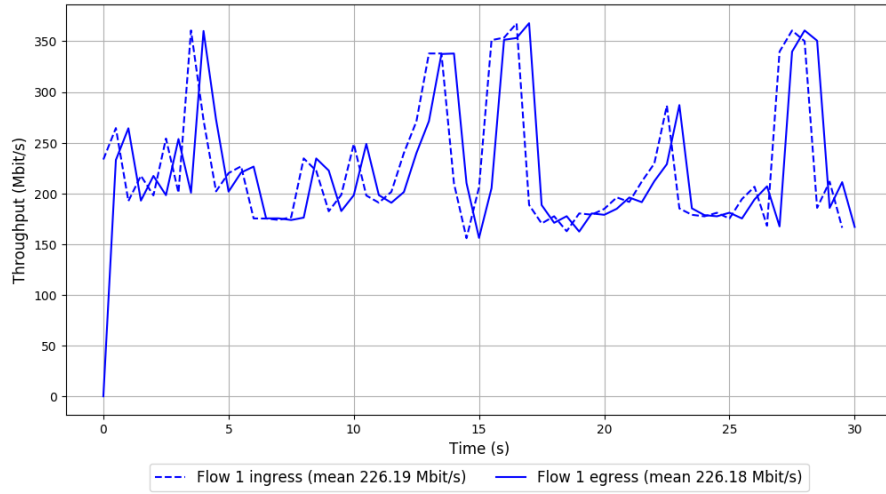
-- Flow 1:

Average throughput: 226.18 Mbit/s

95th percentile per-packet one-way delay: 1.397 ms

Loss rate: 0.00%

Run 4: Report of Indigo — Data Link



Run 5: Statistics of Indigo

Start at: 2019-04-23 21:18:06
End at: 2019-04-23 21:18:37
Local clock offset: -0.756 ms
Remote clock offset: -1.385 ms

Below is generated by plot.py at 2019-04-23 22:08:05

Datalink statistics

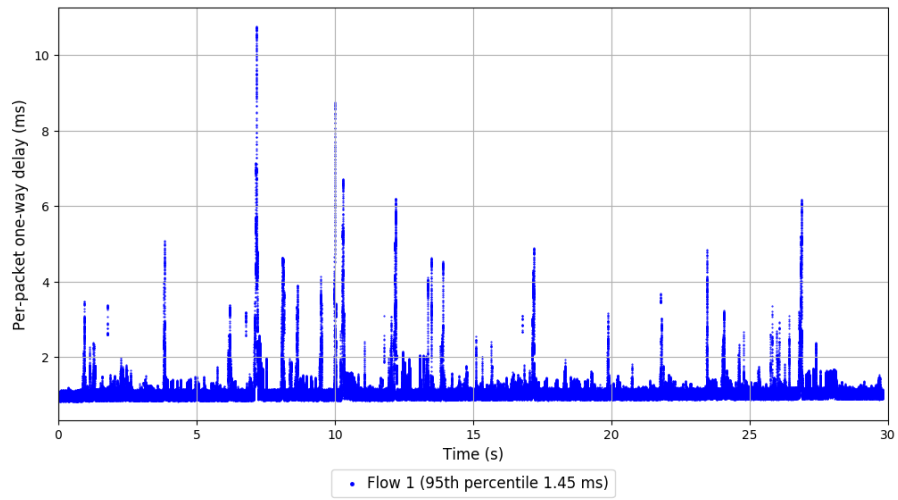
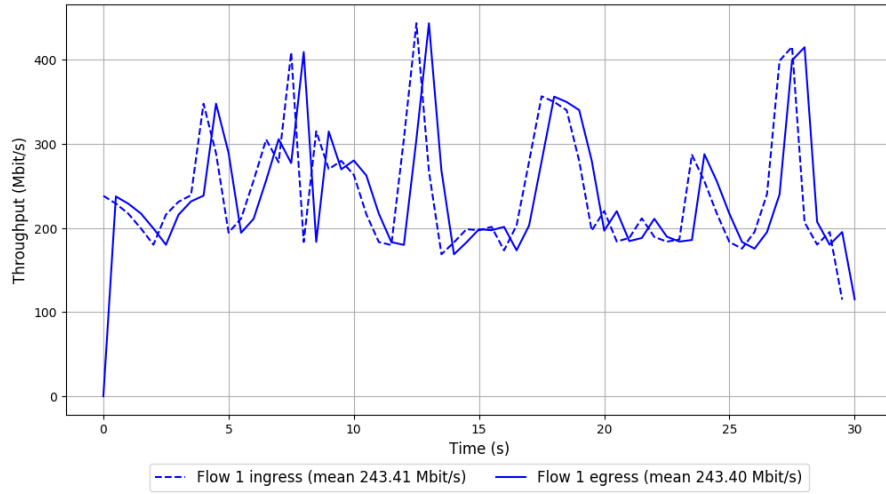
-- Total of 1 flow:

Average throughput: 243.40 Mbit/s
95th percentile per-packet one-way delay: 1.447 ms
Loss rate: 0.00%

-- Flow 1:

Average throughput: 243.40 Mbit/s
95th percentile per-packet one-way delay: 1.447 ms
Loss rate: 0.00%

Run 5: Report of Indigo — Data Link



Run 1: Statistics of Indigo-MusesC3

Start at: 2019-04-23 19:24:34

End at: 2019-04-23 19:25:04

Local clock offset: -9.415 ms

Remote clock offset: 1.785 ms

Below is generated by plot.py at 2019-04-23 22:08:05

Datalink statistics

-- Total of 1 flow:

Average throughput: 137.88 Mbit/s

95th percentile per-packet one-way delay: 1.688 ms

Loss rate: 0.10%

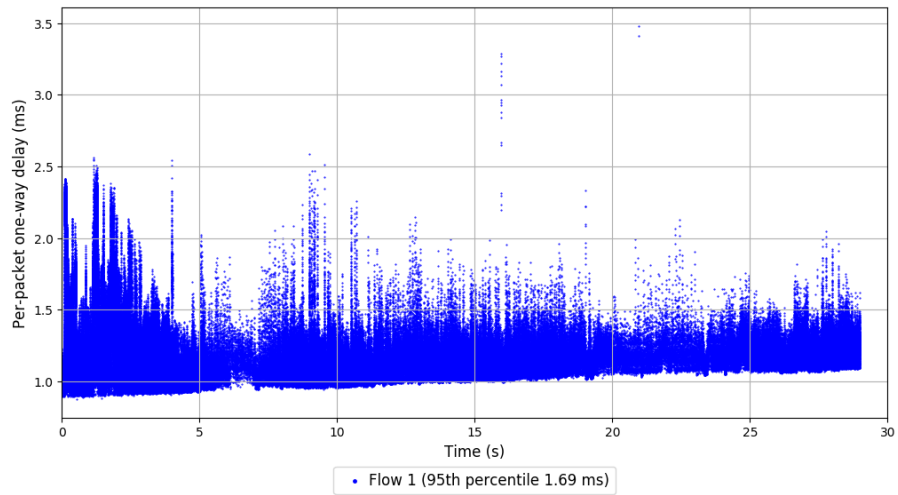
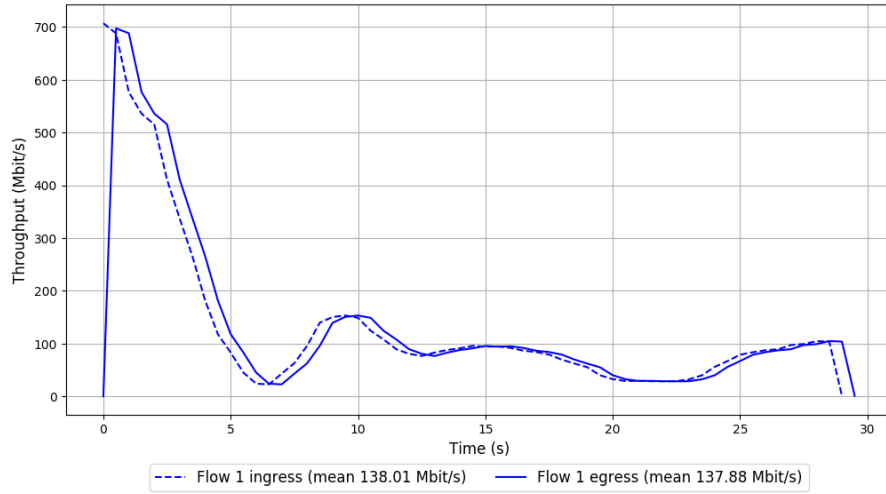
-- Flow 1:

Average throughput: 137.88 Mbit/s

95th percentile per-packet one-way delay: 1.688 ms

Loss rate: 0.10%

Run 1: Report of Indigo-MusesC3 — Data Link



Run 2: Statistics of Indigo-MusesC3

Start at: 2019-04-23 19:53:14
End at: 2019-04-23 19:53:44
Local clock offset: -3.729 ms
Remote clock offset: -1.093 ms

Below is generated by plot.py at 2019-04-23 22:08:05

Datalink statistics

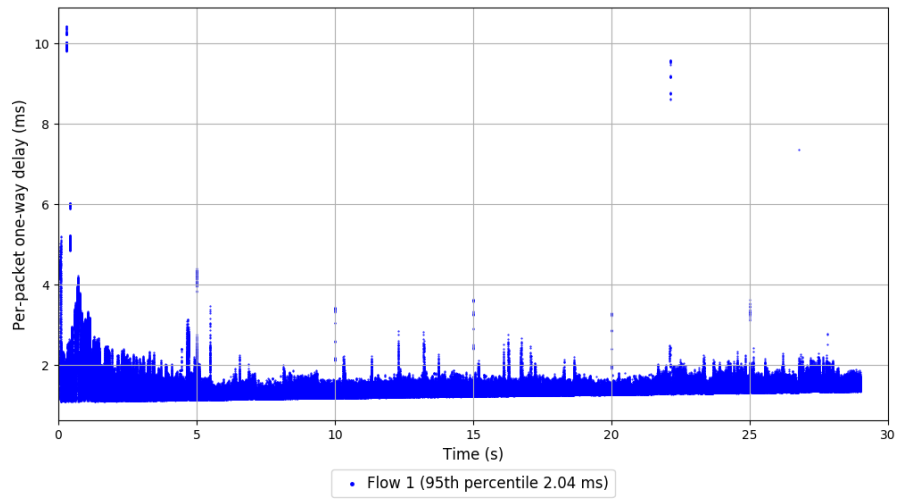
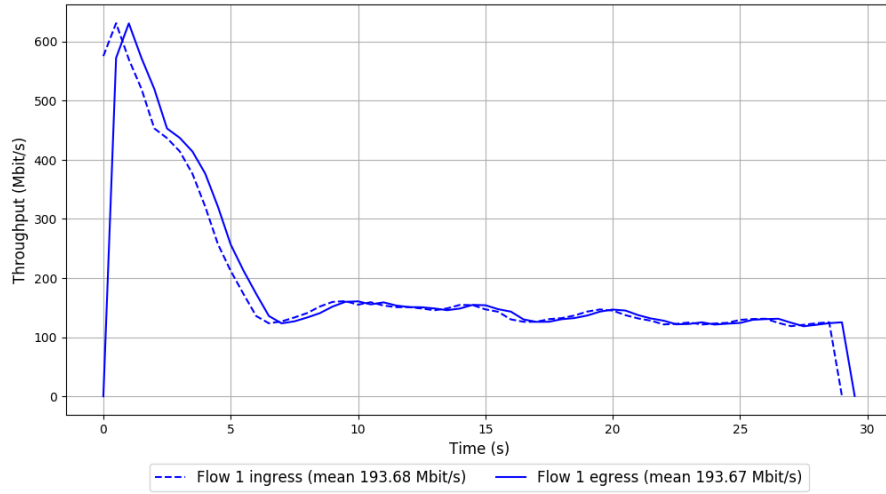
-- Total of 1 flow:

Average throughput: 193.67 Mbit/s
95th percentile per-packet one-way delay: 2.041 ms
Loss rate: 0.01%

-- Flow 1:

Average throughput: 193.67 Mbit/s
95th percentile per-packet one-way delay: 2.041 ms
Loss rate: 0.01%

Run 2: Report of Indigo-MusesC3 — Data Link



Run 3: Statistics of Indigo-MusesC3

Start at: 2019-04-23 20:22:08

End at: 2019-04-23 20:22:38

Local clock offset: -1.53 ms

Remote clock offset: 1.307 ms

Below is generated by plot.py at 2019-04-23 22:08:05

Datalink statistics

-- Total of 1 flow:

Average throughput: 173.72 Mbit/s

95th percentile per-packet one-way delay: 1.326 ms

Loss rate: 0.00%

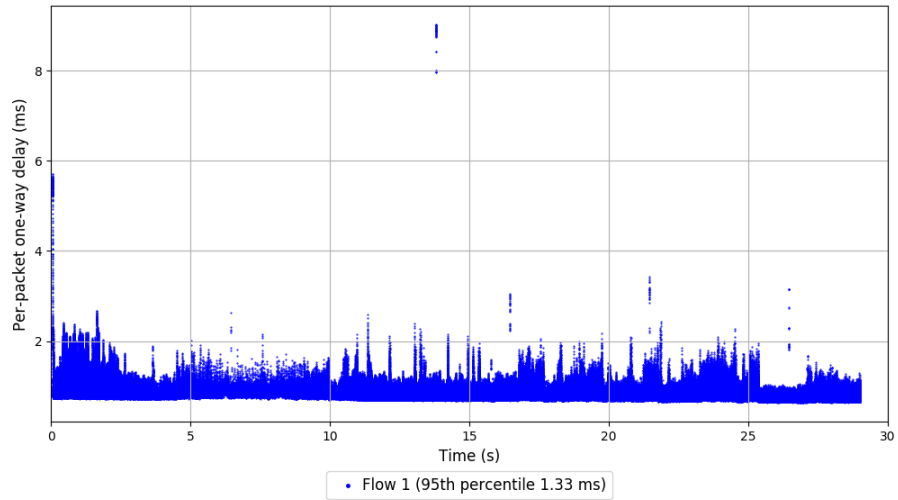
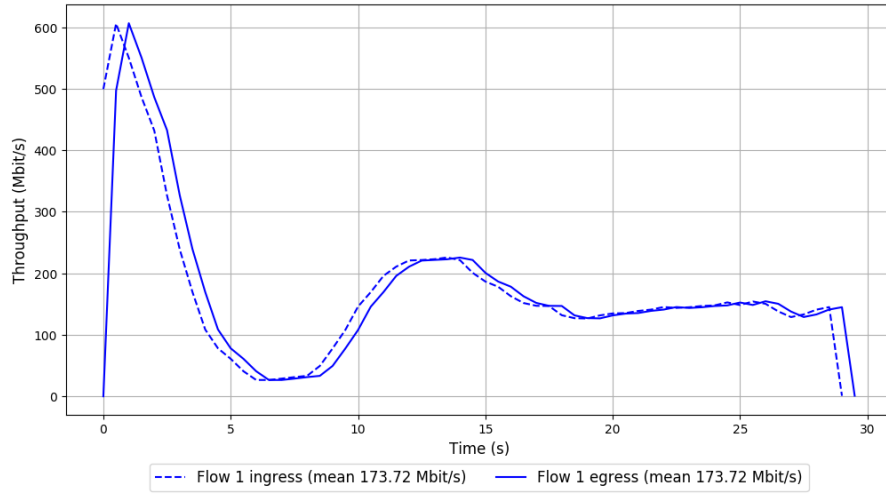
-- Flow 1:

Average throughput: 173.72 Mbit/s

95th percentile per-packet one-way delay: 1.326 ms

Loss rate: 0.00%

Run 3: Report of Indigo-MusesC3 — Data Link



Run 4: Statistics of Indigo-MusesC3

Start at: 2019-04-23 20:50:50

End at: 2019-04-23 20:51:20

Local clock offset: -1.625 ms

Remote clock offset: 1.5 ms

Below is generated by plot.py at 2019-04-23 22:08:05

Datalink statistics

-- Total of 1 flow:

Average throughput: 158.21 Mbit/s

95th percentile per-packet one-way delay: 1.795 ms

Loss rate: 0.01%

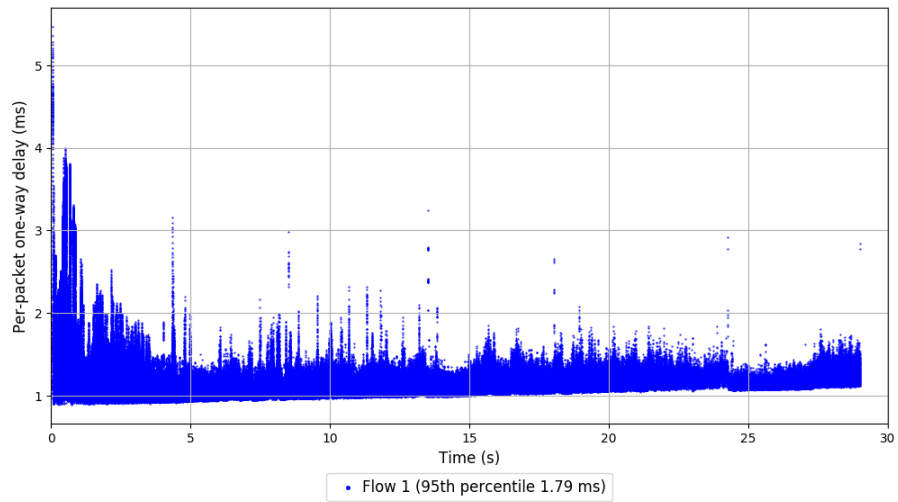
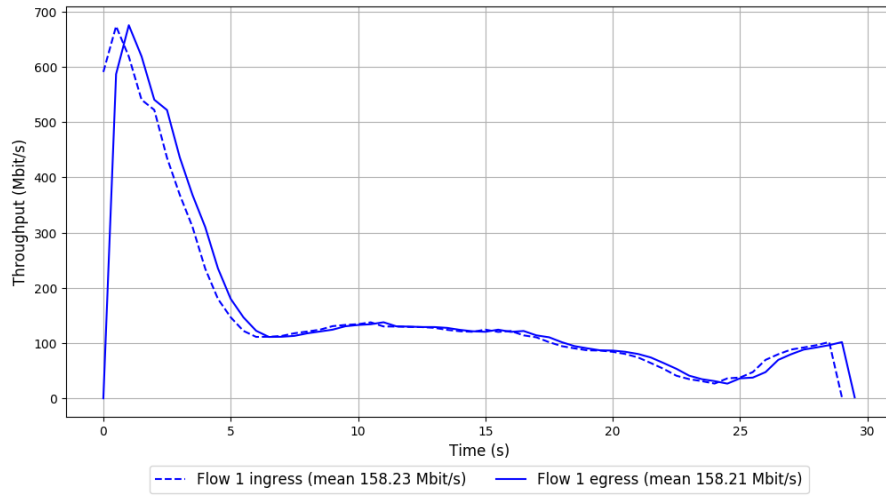
-- Flow 1:

Average throughput: 158.21 Mbit/s

95th percentile per-packet one-way delay: 1.795 ms

Loss rate: 0.01%

Run 4: Report of Indigo-MusesC3 — Data Link



Run 5: Statistics of Indigo-MusesC3

Start at: 2019-04-23 21:19:30
End at: 2019-04-23 21:20:00
Local clock offset: -0.647 ms
Remote clock offset: -1.538 ms

Below is generated by plot.py at 2019-04-23 22:08:05

Datalink statistics

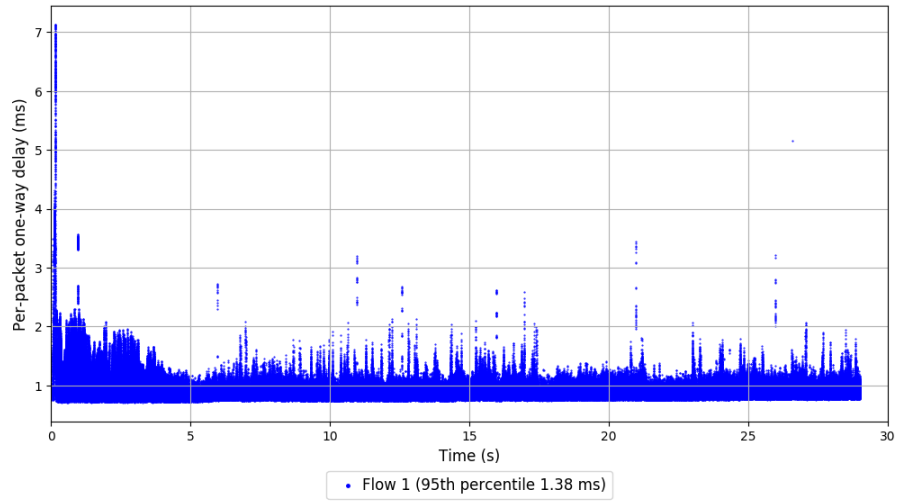
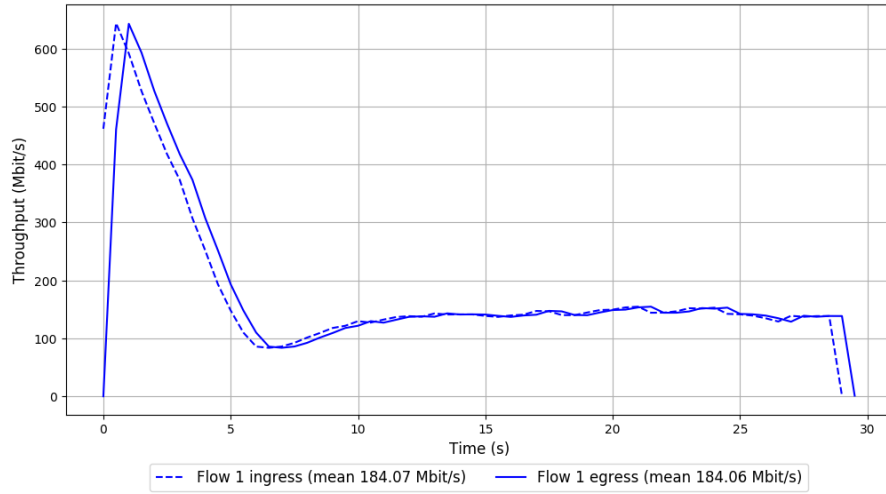
-- Total of 1 flow:

Average throughput: 184.06 Mbit/s
95th percentile per-packet one-way delay: 1.376 ms
Loss rate: 0.00%

-- Flow 1:

Average throughput: 184.06 Mbit/s
95th percentile per-packet one-way delay: 1.376 ms
Loss rate: 0.00%

Run 5: Report of Indigo-MusesC3 — Data Link

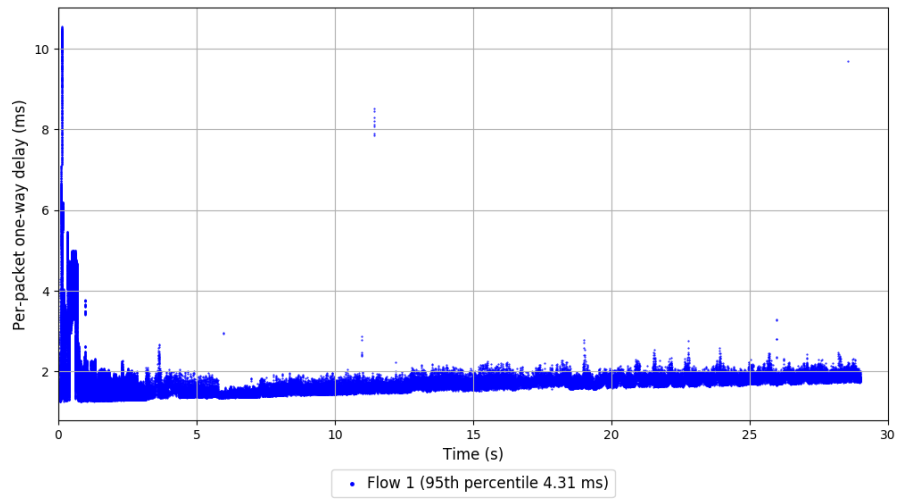
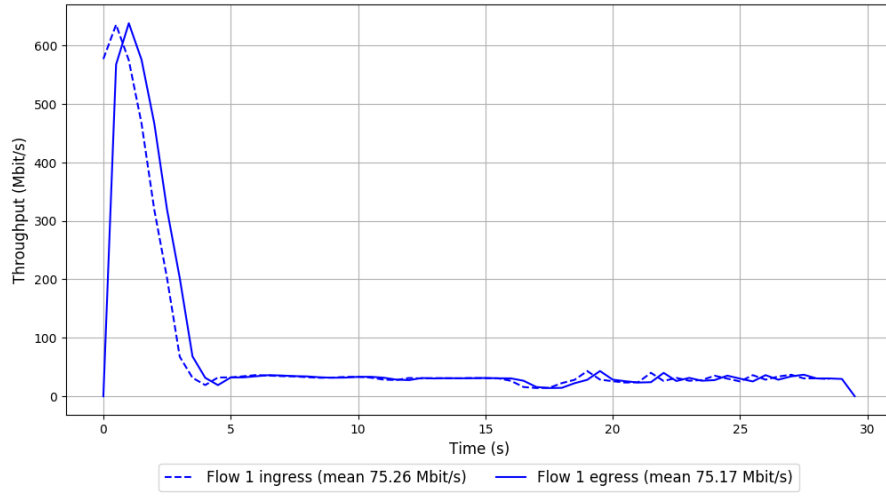


Run 1: Statistics of Indigo-MusesC5

Start at: 2019-04-23 19:19:28
End at: 2019-04-23 19:19:58
Local clock offset: -13.169 ms
Remote clock offset: 1.769 ms

Below is generated by plot.py at 2019-04-23 22:08:05
Datalink statistics
-- Total of 1 flow:
Average throughput: 75.17 Mbit/s
95th percentile per-packet one-way delay: 4.312 ms
Loss rate: 0.11%
-- Flow 1:
Average throughput: 75.17 Mbit/s
95th percentile per-packet one-way delay: 4.312 ms
Loss rate: 0.11%

Run 1: Report of Indigo-MusesC5 — Data Link



Run 2: Statistics of Indigo-MusesC5

Start at: 2019-04-23 19:48:02
End at: 2019-04-23 19:48:32
Local clock offset: -7.135 ms
Remote clock offset: -0.425 ms

Below is generated by plot.py at 2019-04-23 22:08:05

Datalink statistics

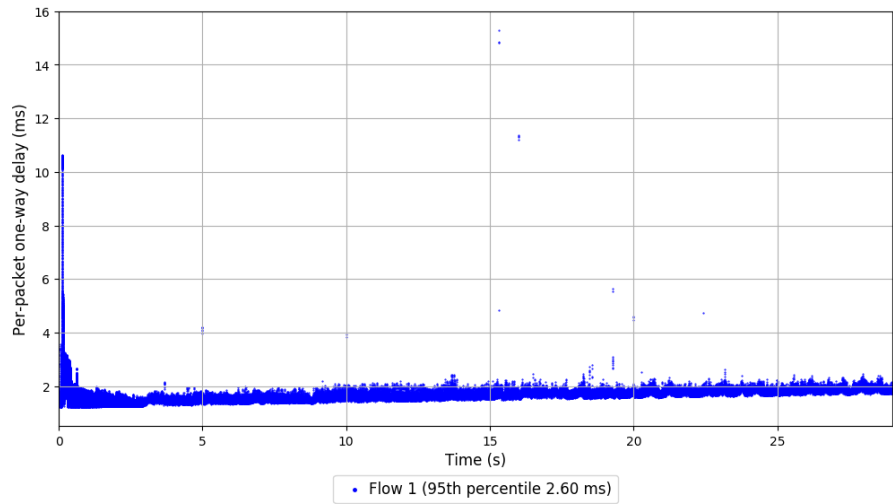
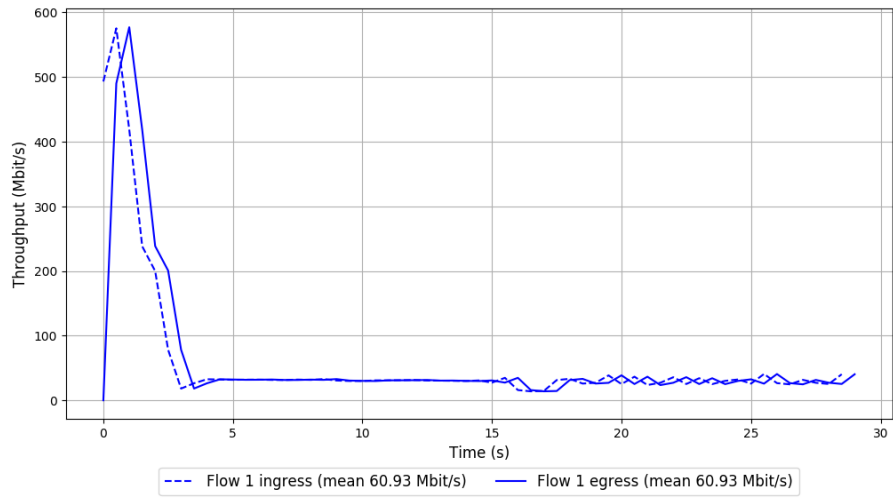
-- Total of 1 flow:

Average throughput: 60.93 Mbit/s
95th percentile per-packet one-way delay: 2.604 ms
Loss rate: 0.00%

-- Flow 1:

Average throughput: 60.93 Mbit/s
95th percentile per-packet one-way delay: 2.604 ms
Loss rate: 0.00%

Run 2: Report of Indigo-MusesC5 — Data Link



Run 3: Statistics of Indigo-MusesC5

Start at: 2019-04-23 20:16:56
End at: 2019-04-23 20:17:26
Local clock offset: -1.863 ms
Remote clock offset: -0.198 ms

Below is generated by plot.py at 2019-04-23 22:08:05

Datalink statistics

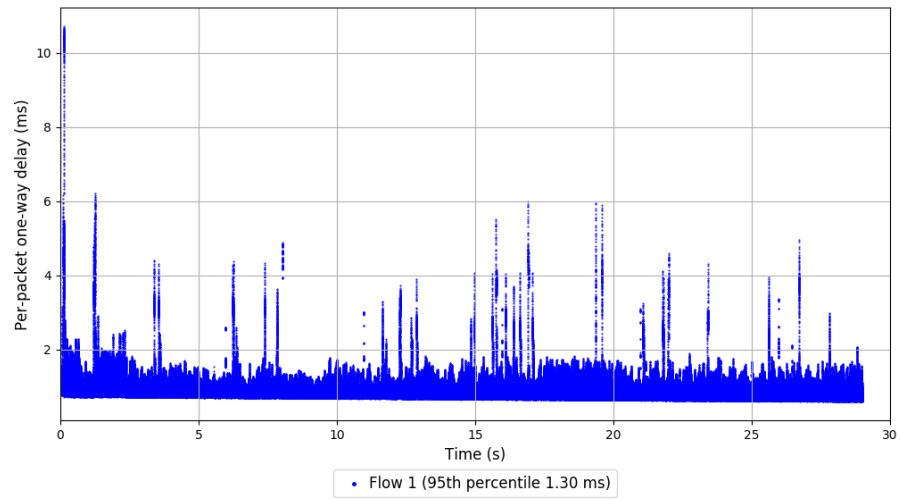
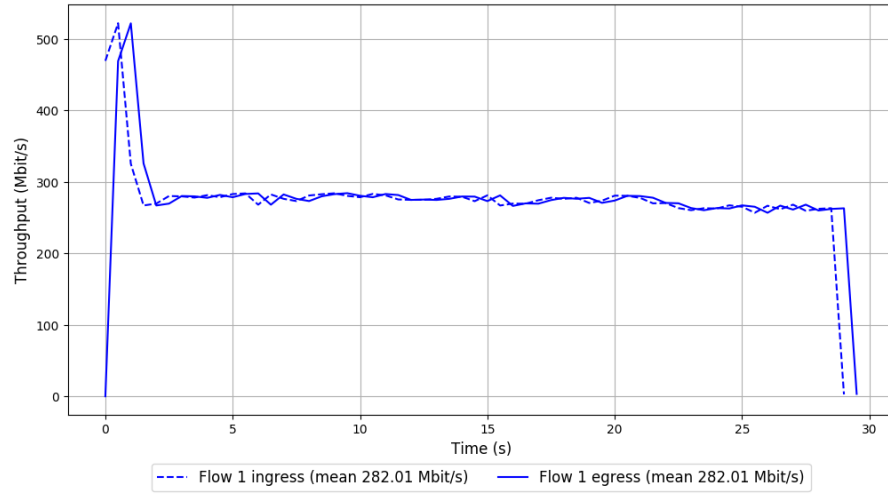
-- Total of 1 flow:

Average throughput: 282.01 Mbit/s
95th percentile per-packet one-way delay: 1.303 ms
Loss rate: 0.00%

-- Flow 1:

Average throughput: 282.01 Mbit/s
95th percentile per-packet one-way delay: 1.303 ms
Loss rate: 0.00%

Run 3: Report of Indigo-MusesC5 — Data Link



Run 4: Statistics of Indigo-MusesC5

Start at: 2019-04-23 20:45:45

End at: 2019-04-23 20:46:15

Local clock offset: -2.955 ms

Remote clock offset: 3.172 ms

Below is generated by plot.py at 2019-04-23 22:08:05

Datalink statistics

-- Total of 1 flow:

Average throughput: 66.21 Mbit/s

95th percentile per-packet one-way delay: 2.084 ms

Loss rate: 0.04%

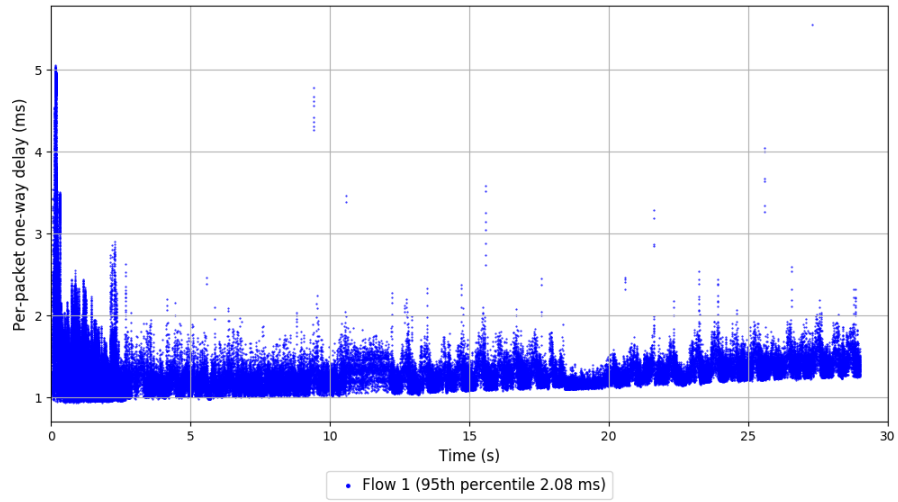
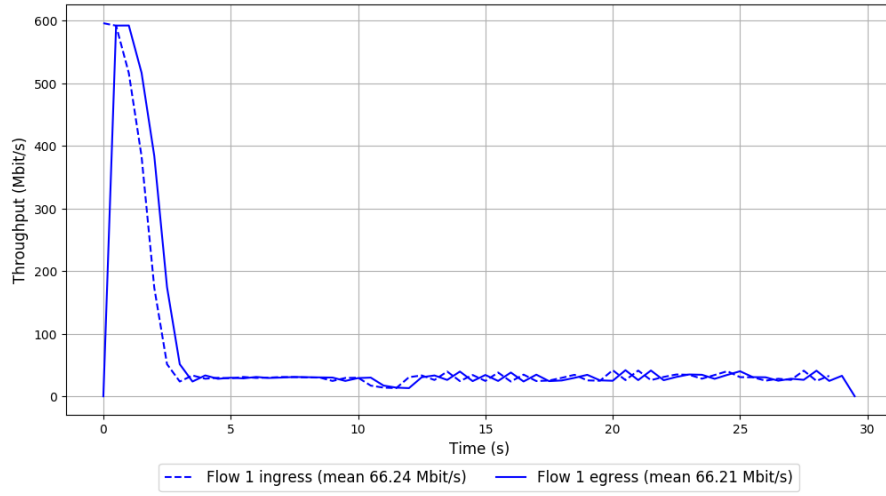
-- Flow 1:

Average throughput: 66.21 Mbit/s

95th percentile per-packet one-way delay: 2.084 ms

Loss rate: 0.04%

Run 4: Report of Indigo-MusesC5 — Data Link



Run 5: Statistics of Indigo-MusesC5

Start at: 2019-04-23 21:14:22
End at: 2019-04-23 21:14:52
Local clock offset: -0.961 ms
Remote clock offset: -1.269 ms

Below is generated by plot.py at 2019-04-23 22:08:05

Datalink statistics

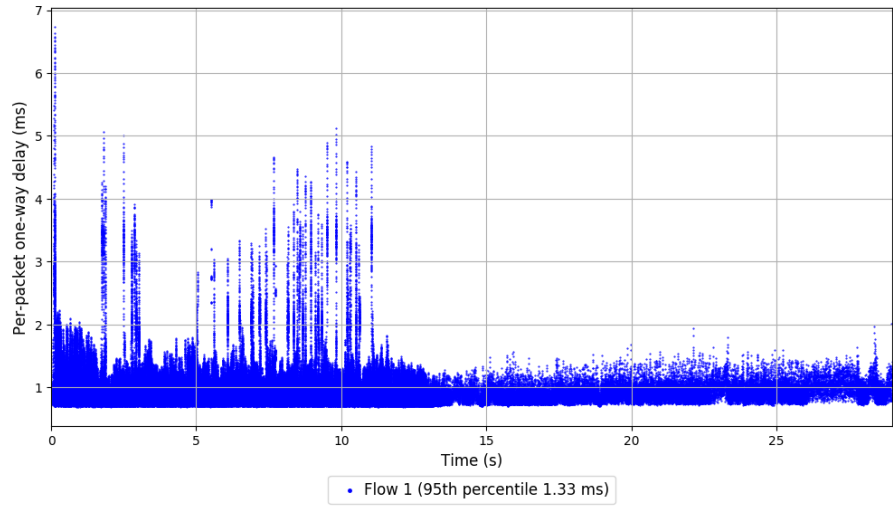
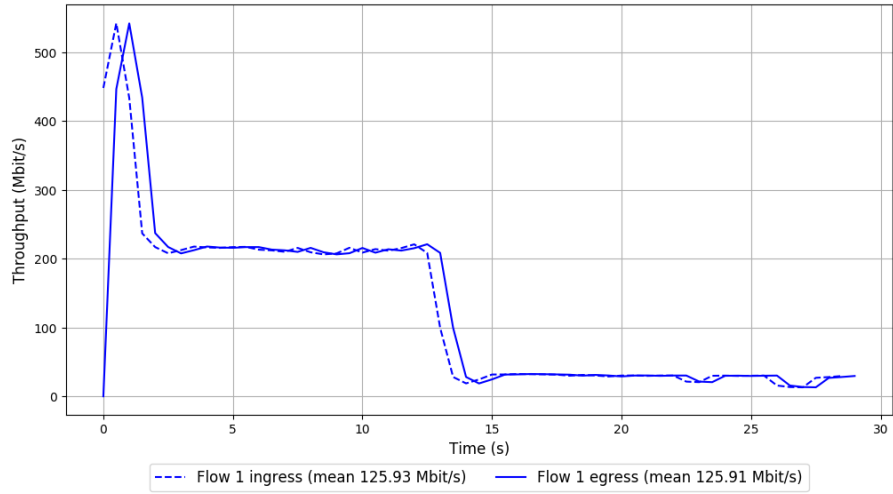
-- Total of 1 flow:

Average throughput: 125.91 Mbit/s
95th percentile per-packet one-way delay: 1.329 ms
Loss rate: 0.02%

-- Flow 1:

Average throughput: 125.91 Mbit/s
95th percentile per-packet one-way delay: 1.329 ms
Loss rate: 0.02%

Run 5: Report of Indigo-MusesC5 — Data Link



Run 1: Statistics of Indigo-MusesD

Start at: 2019-04-23 19:32:57

End at: 2019-04-23 19:33:27

Local clock offset: -8.12 ms

Remote clock offset: 1.783 ms

Below is generated by plot.py at 2019-04-23 22:08:05

Datalink statistics

-- Total of 1 flow:

Average throughput: 141.05 Mbit/s

95th percentile per-packet one-way delay: 1.443 ms

Loss rate: 0.00%

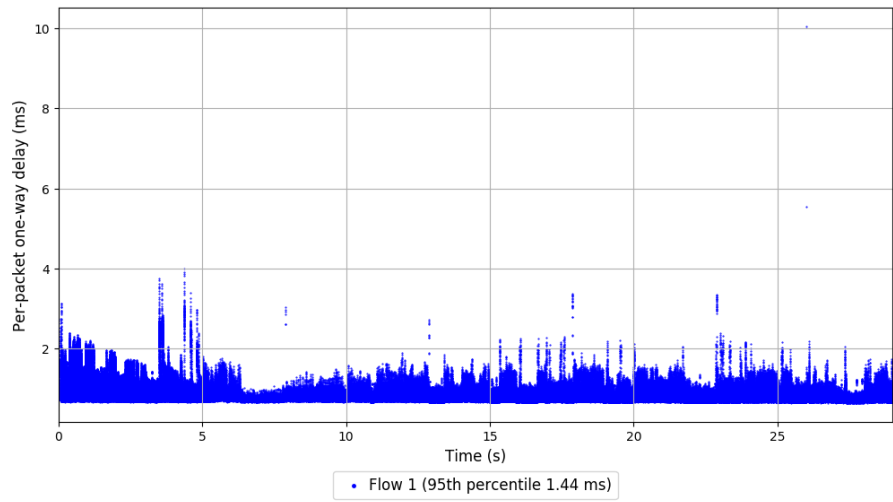
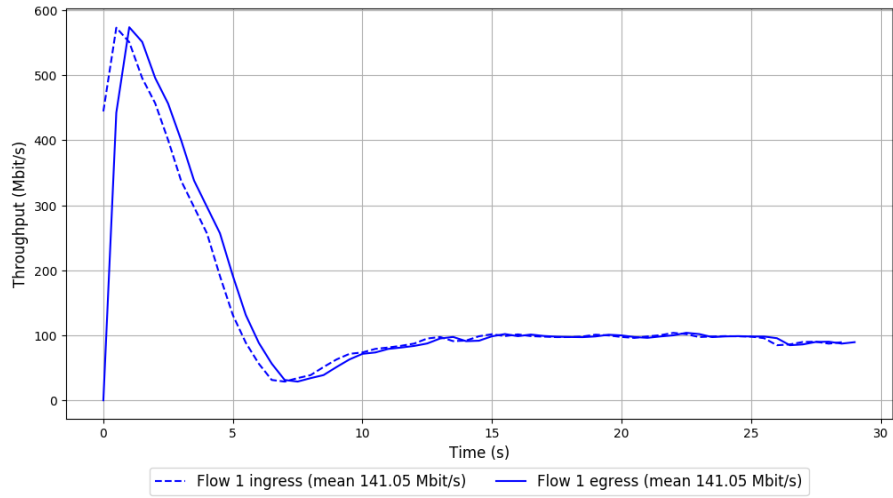
-- Flow 1:

Average throughput: 141.05 Mbit/s

95th percentile per-packet one-way delay: 1.443 ms

Loss rate: 0.00%

Run 1: Report of Indigo-MusesD — Data Link



Run 2: Statistics of Indigo-MusesD

Start at: 2019-04-23 20:01:40

End at: 2019-04-23 20:02:10

Local clock offset: -1.616 ms

Remote clock offset: -1.859 ms

Below is generated by plot.py at 2019-04-23 22:08:05

Datalink statistics

-- Total of 1 flow:

Average throughput: 84.77 Mbit/s

95th percentile per-packet one-way delay: 1.414 ms

Loss rate: 0.00%

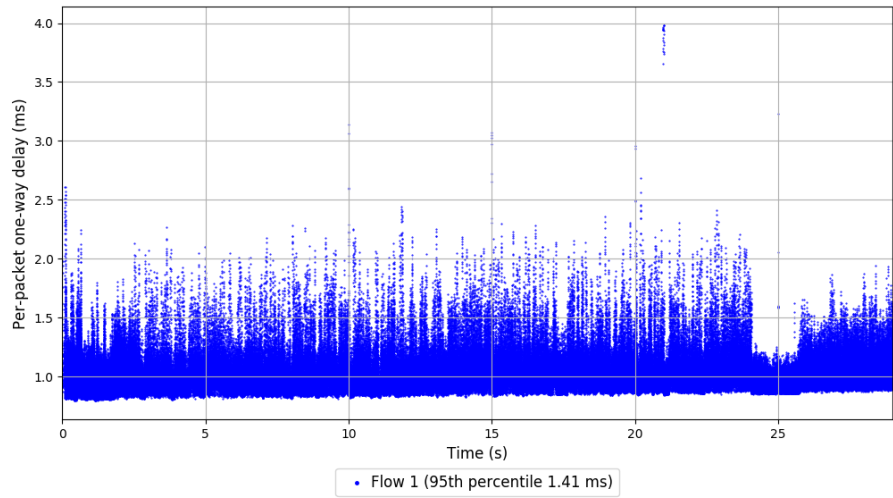
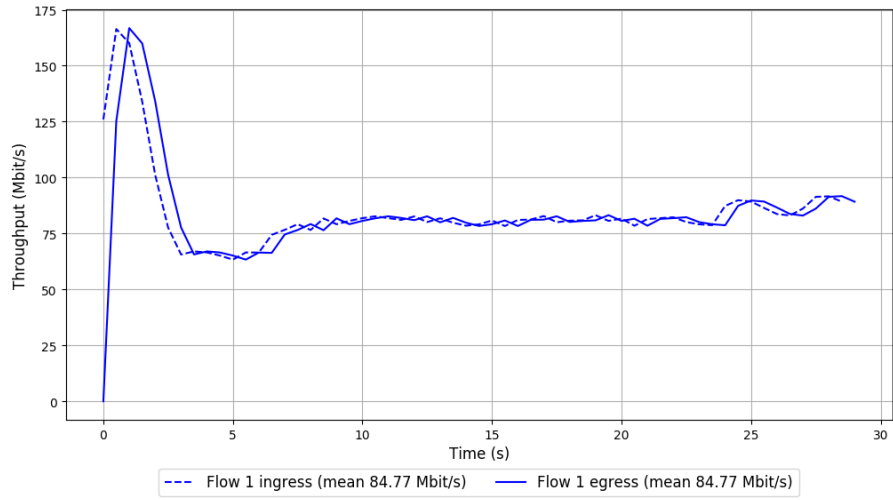
-- Flow 1:

Average throughput: 84.77 Mbit/s

95th percentile per-packet one-way delay: 1.414 ms

Loss rate: 0.00%

Run 2: Report of Indigo-MusesD — Data Link



Run 3: Statistics of Indigo-MusesD

Start at: 2019-04-23 20:30:29

End at: 2019-04-23 20:30:59

Local clock offset: -1.822 ms

Remote clock offset: 2.422 ms

Below is generated by plot.py at 2019-04-23 22:08:05

Datalink statistics

-- Total of 1 flow:

Average throughput: 110.58 Mbit/s

95th percentile per-packet one-way delay: 1.183 ms

Loss rate: 0.00%

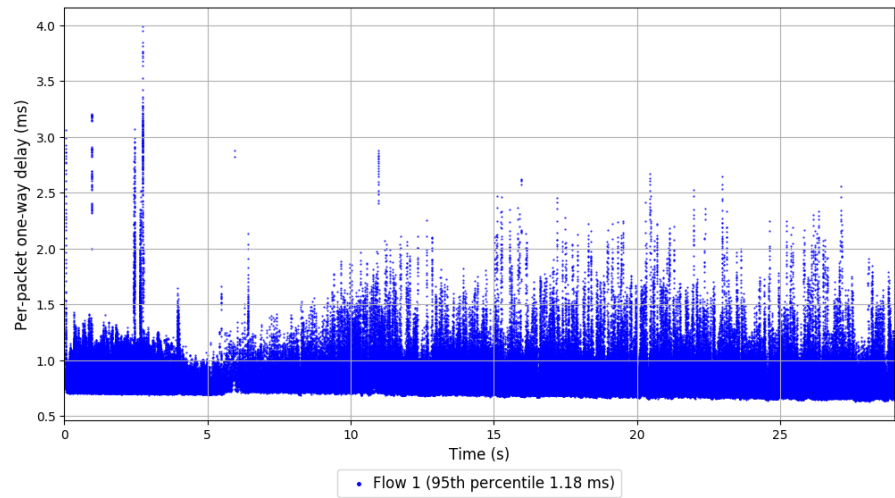
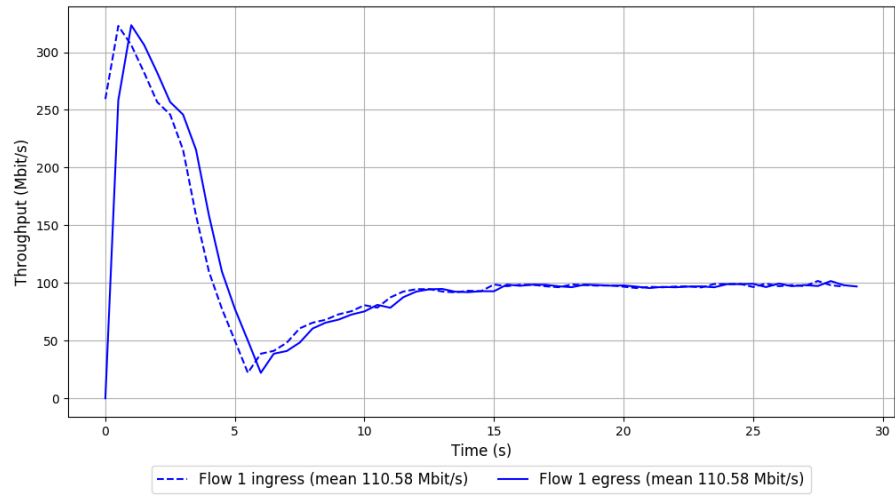
-- Flow 1:

Average throughput: 110.58 Mbit/s

95th percentile per-packet one-way delay: 1.183 ms

Loss rate: 0.00%

Run 3: Report of Indigo-MusesD — Data Link



Run 4: Statistics of Indigo-MusesD

Start at: 2019-04-23 20:59:09
End at: 2019-04-23 20:59:39
Local clock offset: -0.816 ms
Remote clock offset: -0.061 ms

Below is generated by plot.py at 2019-04-23 22:08:05

Datalink statistics

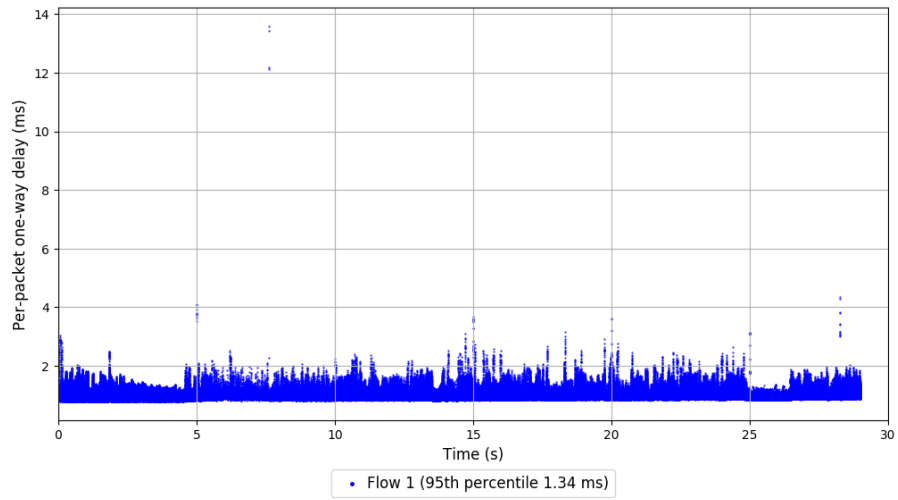
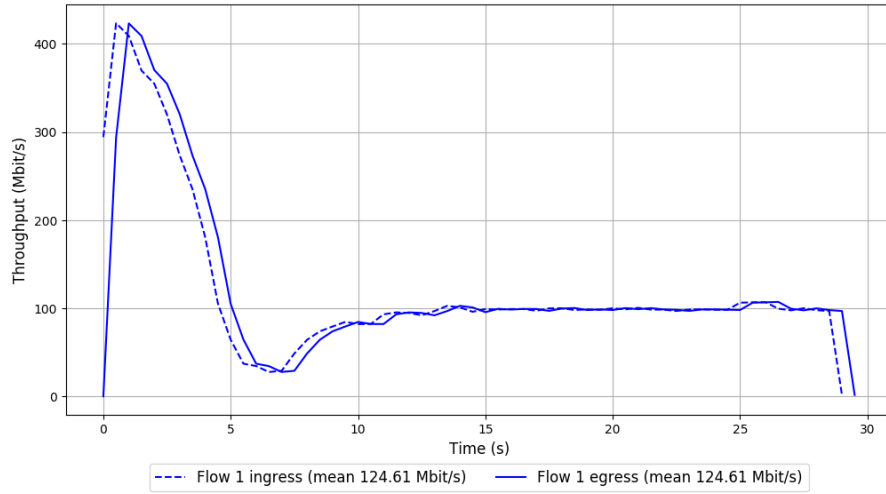
-- Total of 1 flow:

Average throughput: 124.61 Mbit/s
95th percentile per-packet one-way delay: 1.340 ms
Loss rate: 0.00%

-- Flow 1:

Average throughput: 124.61 Mbit/s
95th percentile per-packet one-way delay: 1.340 ms
Loss rate: 0.00%

Run 4: Report of Indigo-MusesD — Data Link



Run 5: Statistics of Indigo-MusesD

Start at: 2019-04-23 21:27:54

End at: 2019-04-23 21:28:24

Local clock offset: -0.45 ms

Remote clock offset: -1.065 ms

Below is generated by plot.py at 2019-04-23 22:08:05

Datalink statistics

-- Total of 1 flow:

Average throughput: 85.98 Mbit/s

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

Loss rate: 0.00%

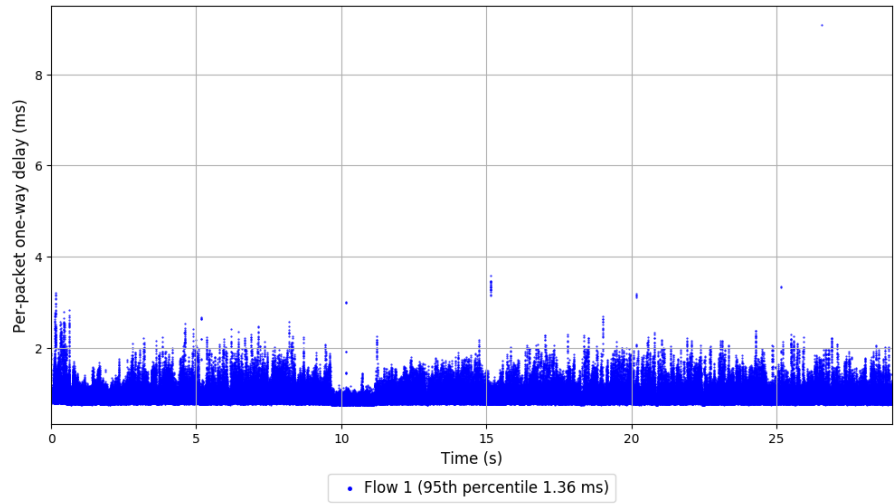
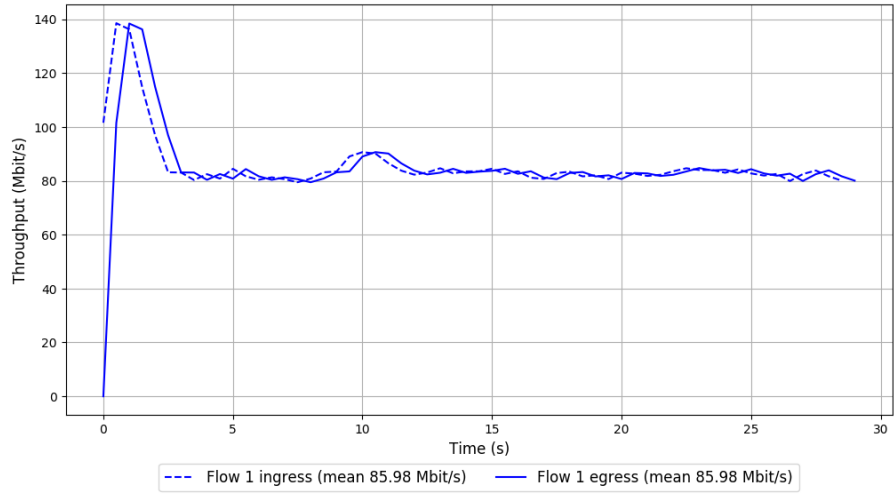
-- Flow 1:

Average throughput: 85.98 Mbit/s

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

Loss rate: 0.00%

Run 5: Report of Indigo-MusesD — Data Link



Run 1: Statistics of Indigo-MuseST

Start at: 2019-04-23 19:10:59
End at: 2019-04-23 19:11:29
Local clock offset: -17.148 ms
Remote clock offset: 1.74 ms

Below is generated by plot.py at 2019-04-23 22:08:05

Datalink statistics

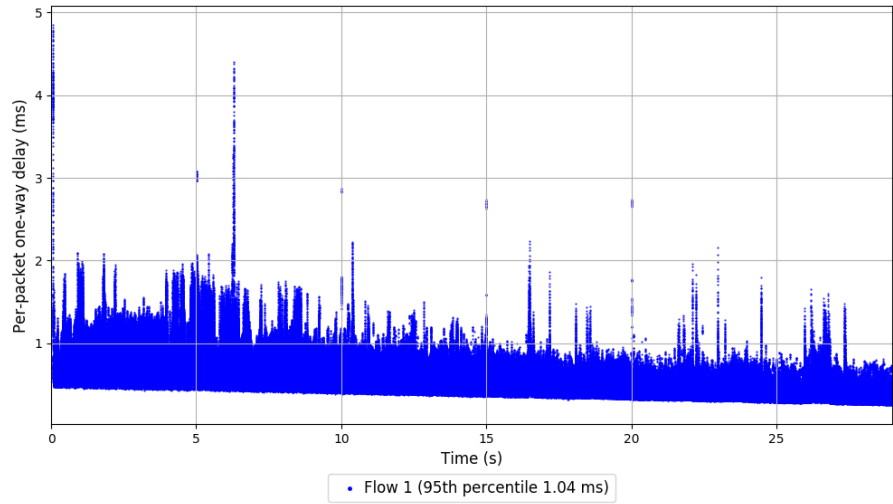
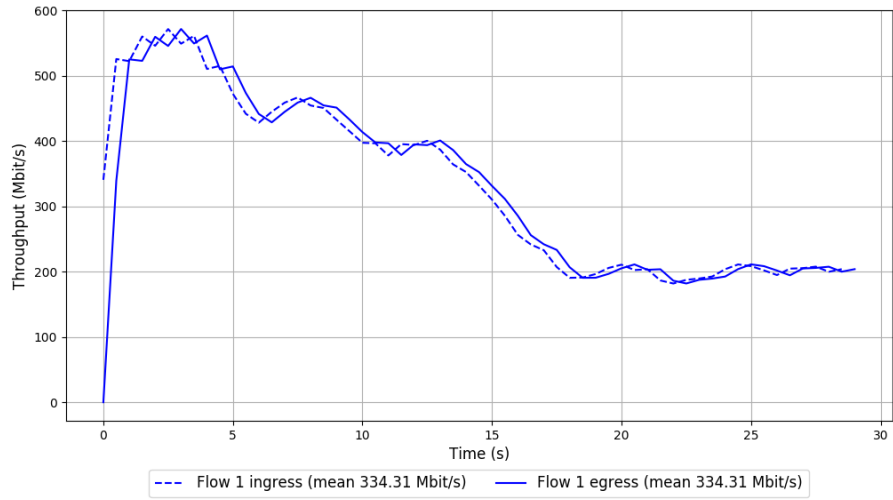
-- Total of 1 flow:

Average throughput: 334.31 Mbit/s
95th percentile per-packet one-way delay: 1.039 ms
Loss rate: 0.00%

-- Flow 1:

Average throughput: 334.31 Mbit/s
95th percentile per-packet one-way delay: 1.039 ms
Loss rate: 0.00%

Run 1: Report of Indigo-MusesT — Data Link



Run 2: Statistics of Indigo-MuseST

Start at: 2019-04-23 19:39:29

End at: 2019-04-23 19:39:59

Local clock offset: -8.979 ms

Remote clock offset: 1.228 ms

Below is generated by plot.py at 2019-04-23 22:08:14

Datalink statistics

-- Total of 1 flow:

Average throughput: 386.08 Mbit/s

95th percentile per-packet one-way delay: 1.242 ms

Loss rate: 0.00%

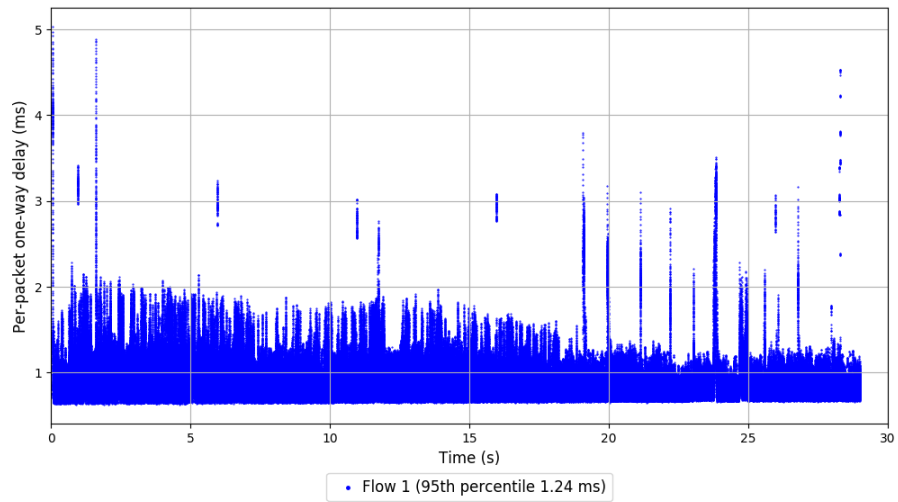
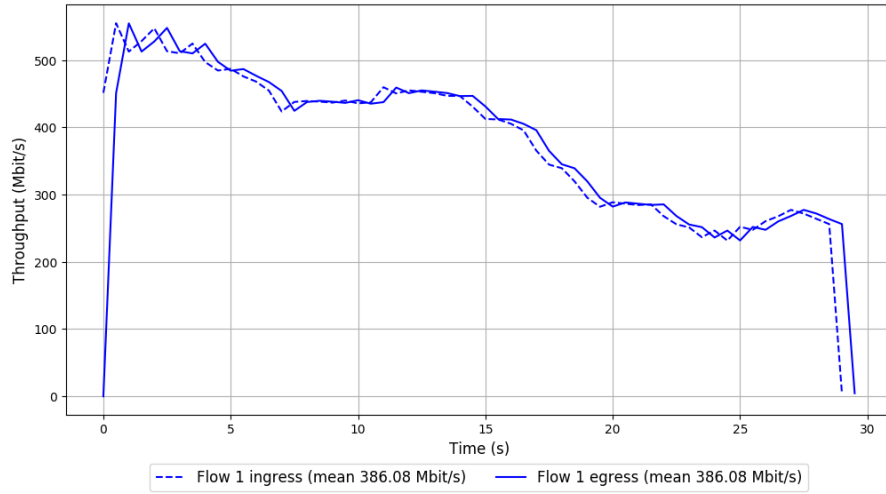
-- Flow 1:

Average throughput: 386.08 Mbit/s

95th percentile per-packet one-way delay: 1.242 ms

Loss rate: 0.00%

Run 2: Report of Indigo-MusesT — Data Link



Run 3: Statistics of Indigo-MuseST

Start at: 2019-04-23 20:08:26

End at: 2019-04-23 20:08:56

Local clock offset: -1.558 ms

Remote clock offset: -2.293 ms

Below is generated by plot.py at 2019-04-23 22:08:14

Datalink statistics

-- Total of 1 flow:

Average throughput: 321.54 Mbit/s

95th percentile per-packet one-way delay: 1.283 ms

Loss rate: 0.00%

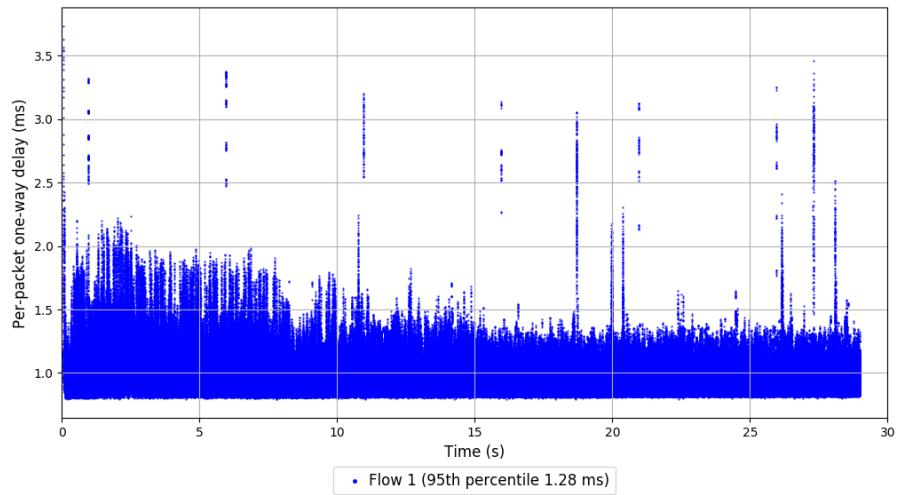
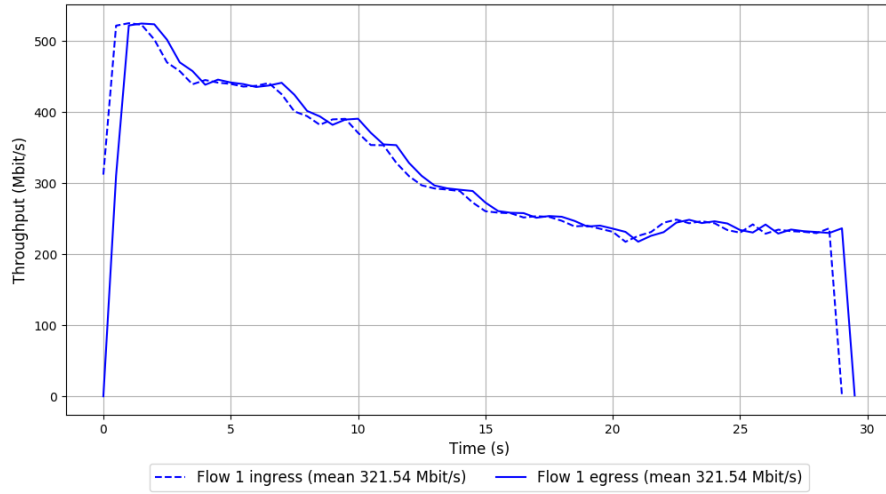
-- Flow 1:

Average throughput: 321.54 Mbit/s

95th percentile per-packet one-way delay: 1.283 ms

Loss rate: 0.00%

Run 3: Report of Indigo-MusesT — Data Link



Run 4: Statistics of Indigo-MuseST

Start at: 2019-04-23 20:37:18

End at: 2019-04-23 20:37:48

Local clock offset: -2.361 ms

Remote clock offset: 2.909 ms

Below is generated by plot.py at 2019-04-23 22:08:14

Datalink statistics

-- Total of 1 flow:

Average throughput: 278.55 Mbit/s

95th percentile per-packet one-way delay: 1.232 ms

Loss rate: 0.01%

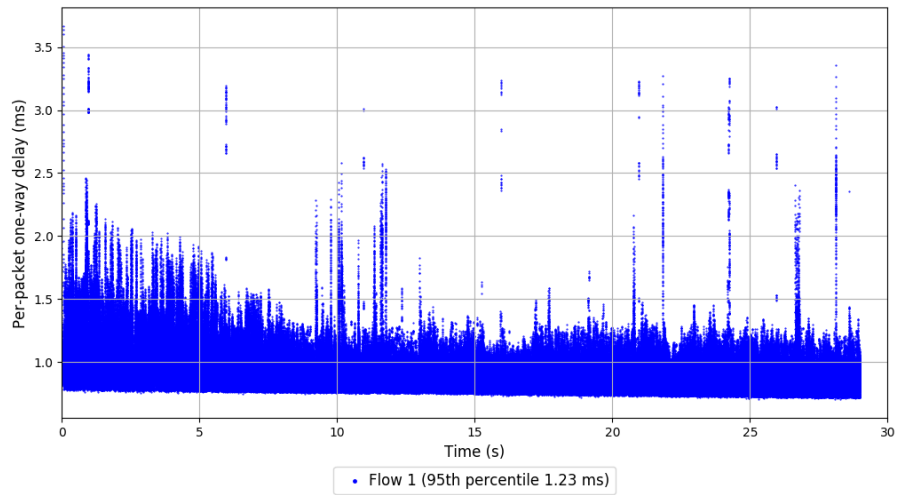
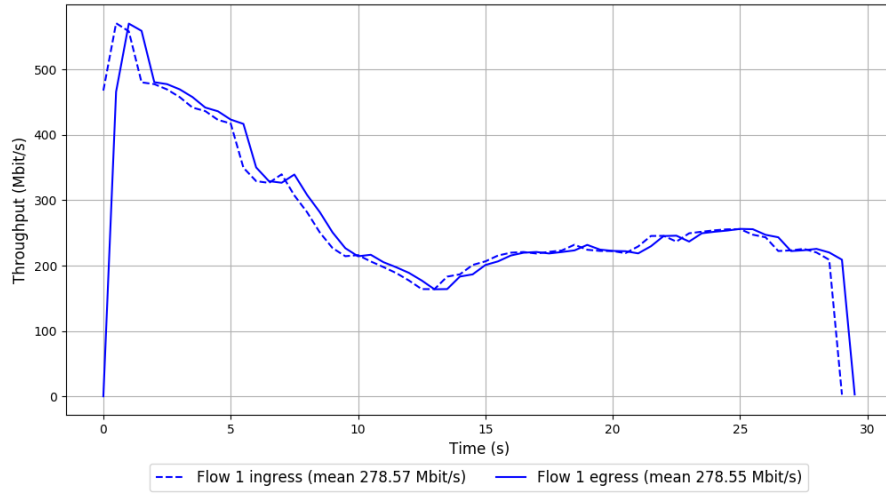
-- Flow 1:

Average throughput: 278.55 Mbit/s

95th percentile per-packet one-way delay: 1.232 ms

Loss rate: 0.01%

Run 4: Report of Indigo-MusesT — Data Link



Run 5: Statistics of Indigo-MuseST

Start at: 2019-04-23 21:05:56

End at: 2019-04-23 21:06:26

Local clock offset: -0.714 ms

Remote clock offset: -0.762 ms

Below is generated by plot.py at 2019-04-23 22:08:14

Datalink statistics

-- Total of 1 flow:

Average throughput: 321.41 Mbit/s

95th percentile per-packet one-way delay: 1.266 ms

Loss rate: 0.02%

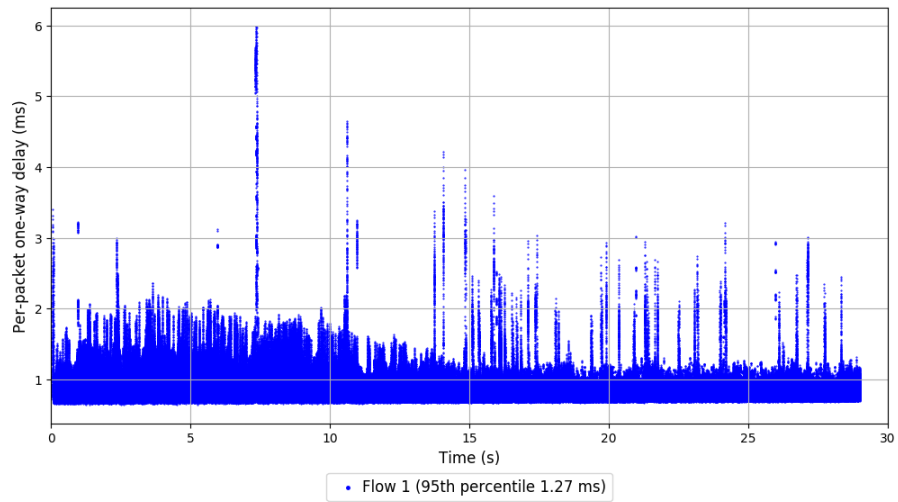
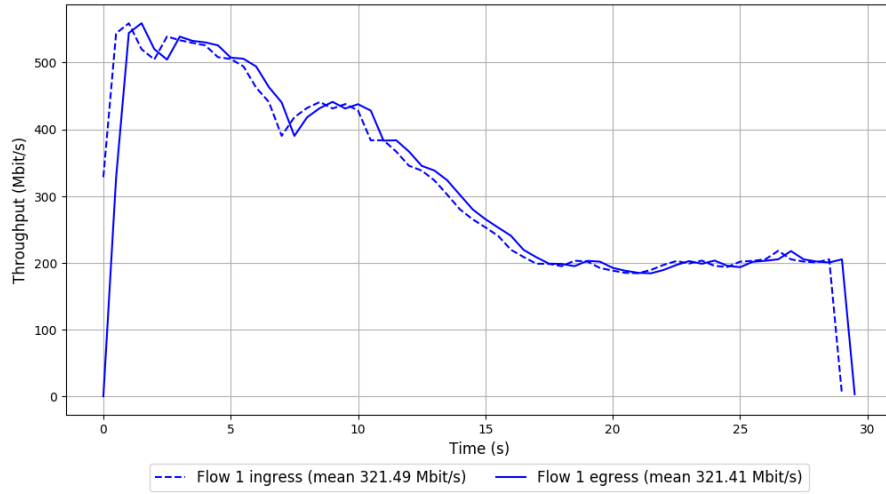
-- Flow 1:

Average throughput: 321.41 Mbit/s

95th percentile per-packet one-way delay: 1.266 ms

Loss rate: 0.02%

Run 5: Report of Indigo-MusesT — Data Link



Run 1: Statistics of LEDBAT

Start at: 2019-04-23 19:31:18

End at: 2019-04-23 19:31:48

Local clock offset: -8.071 ms

Remote clock offset: 1.825 ms

Below is generated by plot.py at 2019-04-23 22:11:13

Datalink statistics

-- Total of 1 flow:

Average throughput: 592.30 Mbit/s

95th percentile per-packet one-way delay: 17.215 ms

Loss rate: 0.04%

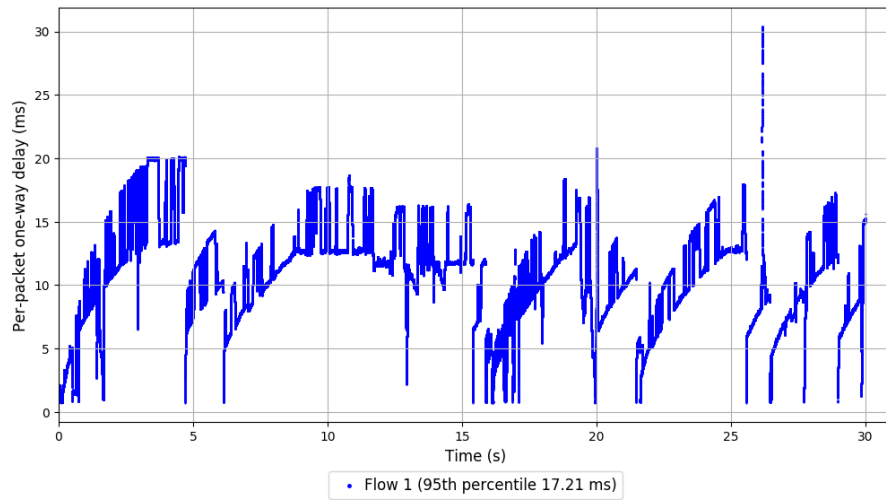
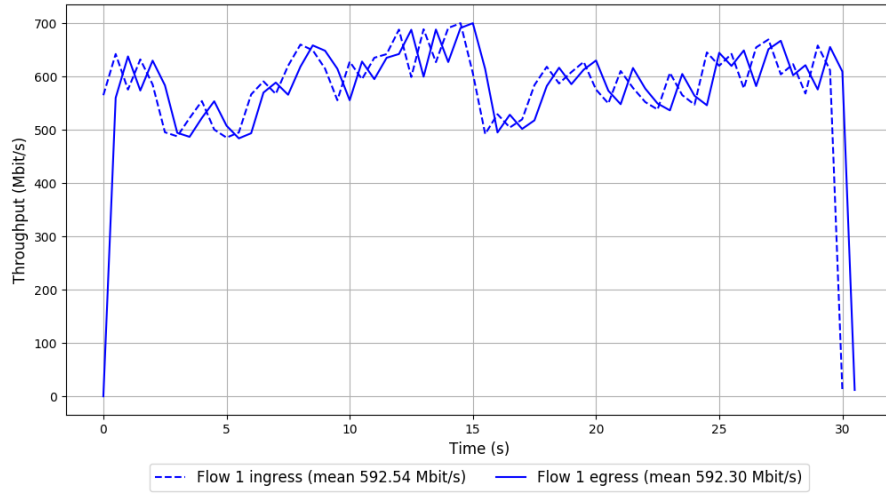
-- Flow 1:

Average throughput: 592.30 Mbit/s

95th percentile per-packet one-way delay: 17.215 ms

Loss rate: 0.04%

Run 1: Report of LEDBAT — Data Link



Run 2: Statistics of LEDBAT

Start at: 2019-04-23 20:00:01
End at: 2019-04-23 20:00:31
Local clock offset: -1.753 ms
Remote clock offset: -1.784 ms

Below is generated by plot.py at 2019-04-23 22:14:25

Datalink statistics

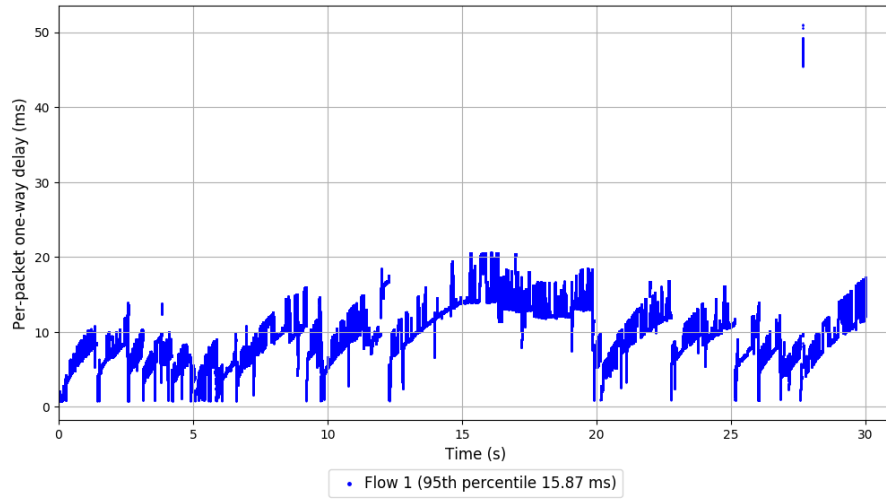
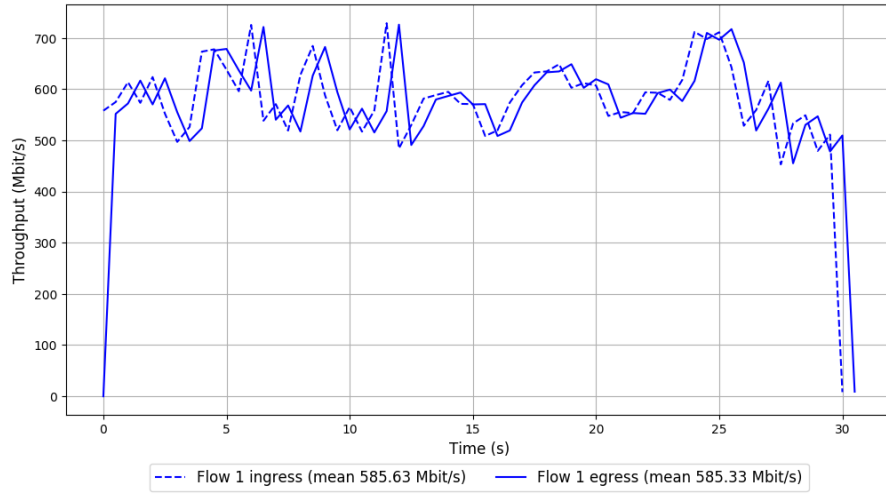
-- Total of 1 flow:

Average throughput: 585.33 Mbit/s
95th percentile per-packet one-way delay: 15.874 ms
Loss rate: 0.05%

-- Flow 1:

Average throughput: 585.33 Mbit/s
95th percentile per-packet one-way delay: 15.874 ms
Loss rate: 0.05%

Run 2: Report of LEDBAT — Data Link



Run 3: Statistics of LEDBAT

Start at: 2019-04-23 20:28:51

End at: 2019-04-23 20:29:21

Local clock offset: -1.725 ms

Remote clock offset: 2.309 ms

Below is generated by plot.py at 2019-04-23 22:14:53

Datalink statistics

-- Total of 1 flow:

Average throughput: 590.49 Mbit/s

95th percentile per-packet one-way delay: 15.731 ms

Loss rate: 0.04%

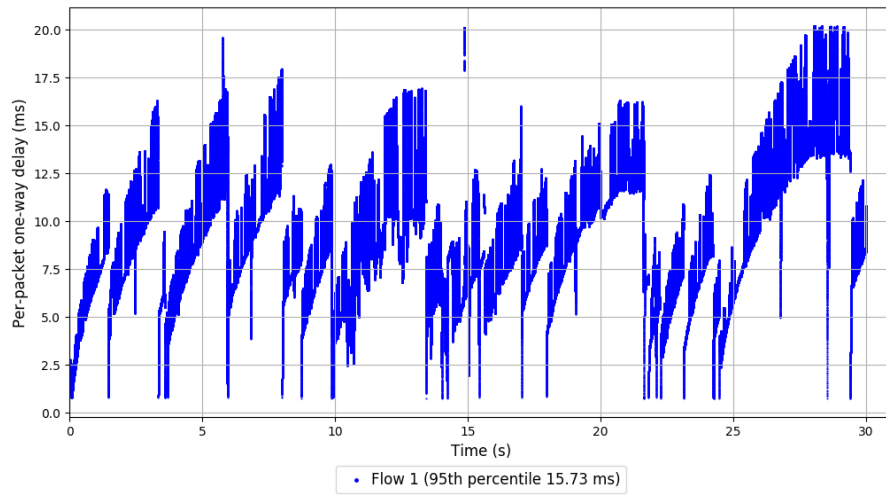
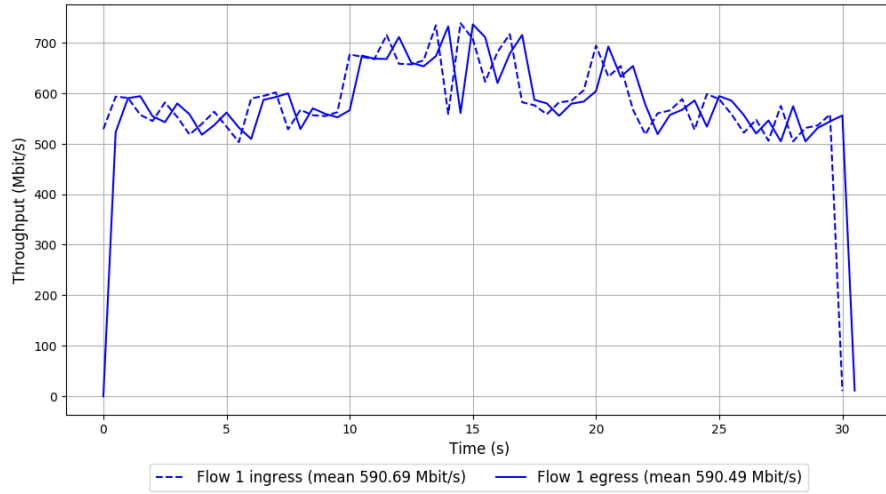
-- Flow 1:

Average throughput: 590.49 Mbit/s

95th percentile per-packet one-way delay: 15.731 ms

Loss rate: 0.04%

Run 3: Report of LEDBAT — Data Link



Run 4: Statistics of LEDBAT

Start at: 2019-04-23 20:57:31

End at: 2019-04-23 20:58:01

Local clock offset: -0.87 ms

Remote clock offset: 0.208 ms

Below is generated by plot.py at 2019-04-23 22:14:53

Datalink statistics

-- Total of 1 flow:

Average throughput: 565.64 Mbit/s

95th percentile per-packet one-way delay: 16.017 ms

Loss rate: 0.03%

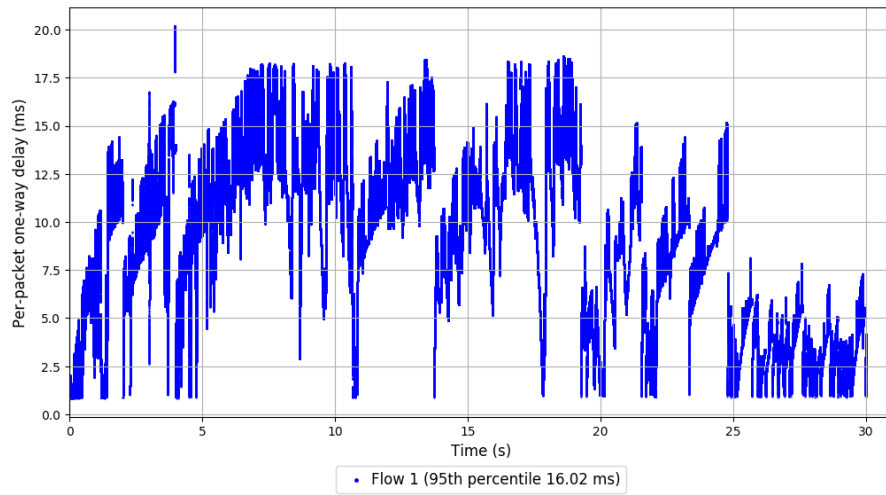
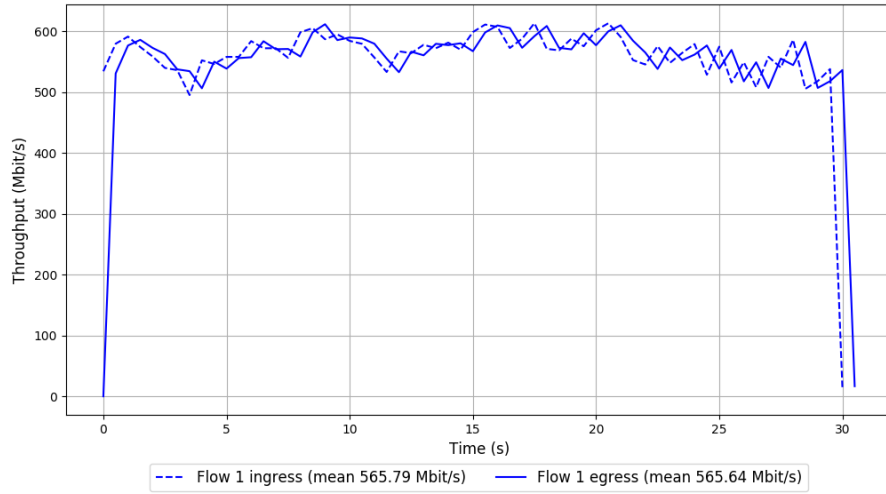
-- Flow 1:

Average throughput: 565.64 Mbit/s

95th percentile per-packet one-way delay: 16.017 ms

Loss rate: 0.03%

Run 4: Report of LEDBAT — Data Link

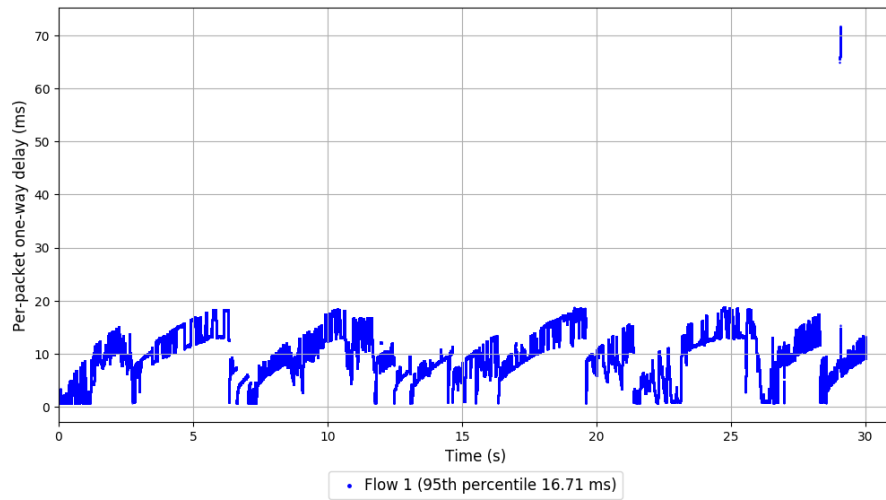
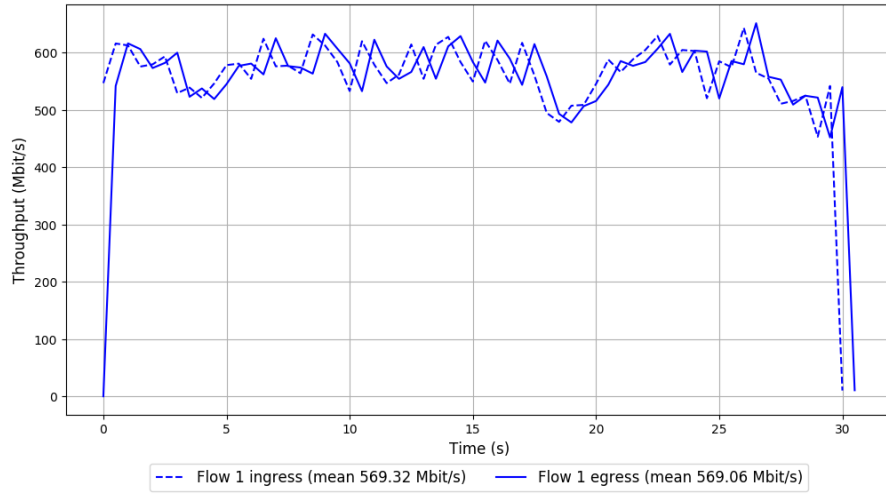


Run 5: Statistics of LEDBAT

Start at: 2019-04-23 21:26:16
End at: 2019-04-23 21:26:46
Local clock offset: -0.471 ms
Remote clock offset: -1.187 ms

Below is generated by plot.py at 2019-04-23 22:14:57
Datalink statistics
-- Total of 1 flow:
Average throughput: 569.06 Mbit/s
95th percentile per-packet one-way delay: 16.708 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 569.06 Mbit/s
95th percentile per-packet one-way delay: 16.708 ms
Loss rate: 0.05%

Run 5: Report of LEDBAT — Data Link



Run 1: Statistics of PCC-Allegro

Start at: 2019-04-23 19:05:29
End at: 2019-04-23 19:05:59
Local clock offset: -15.341 ms
Remote clock offset: 1.589 ms

Below is generated by plot.py at 2019-04-23 22:15:43

Datalink statistics

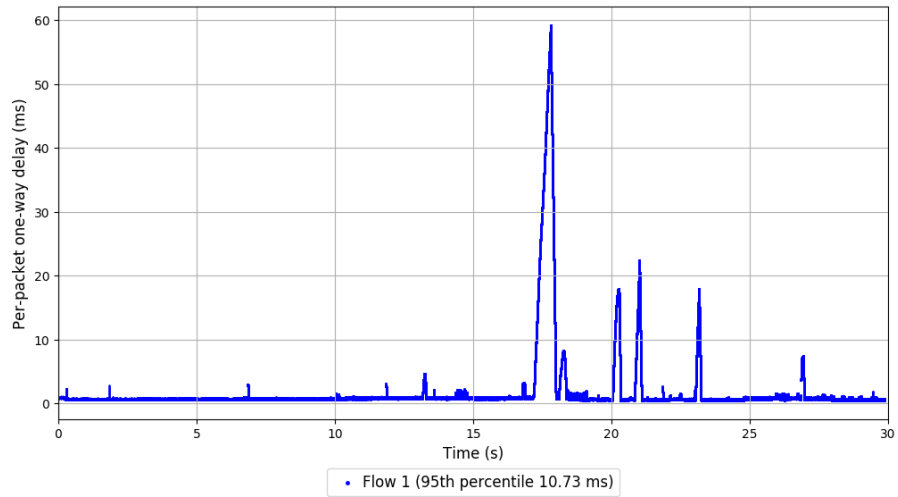
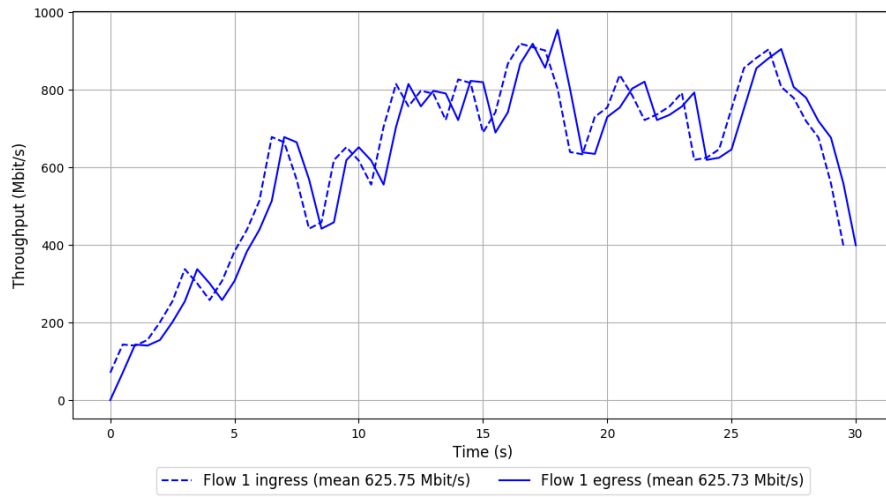
-- Total of 1 flow:

Average throughput: 625.73 Mbit/s
95th percentile per-packet one-way delay: 10.734 ms
Loss rate: 0.01%

-- Flow 1:

Average throughput: 625.73 Mbit/s
95th percentile per-packet one-way delay: 10.734 ms
Loss rate: 0.01%

Run 1: Report of PCC-Allegro — Data Link



Run 2: Statistics of PCC-Allegro

Start at: 2019-04-23 19:34:15

End at: 2019-04-23 19:34:45

Local clock offset: -8.21 ms

Remote clock offset: 1.78 ms

Below is generated by plot.py at 2019-04-23 22:15:43

Datalink statistics

-- Total of 1 flow:

Average throughput: 5.59 Mbit/s

95th percentile per-packet one-way delay: 1.121 ms

Loss rate: 0.01%

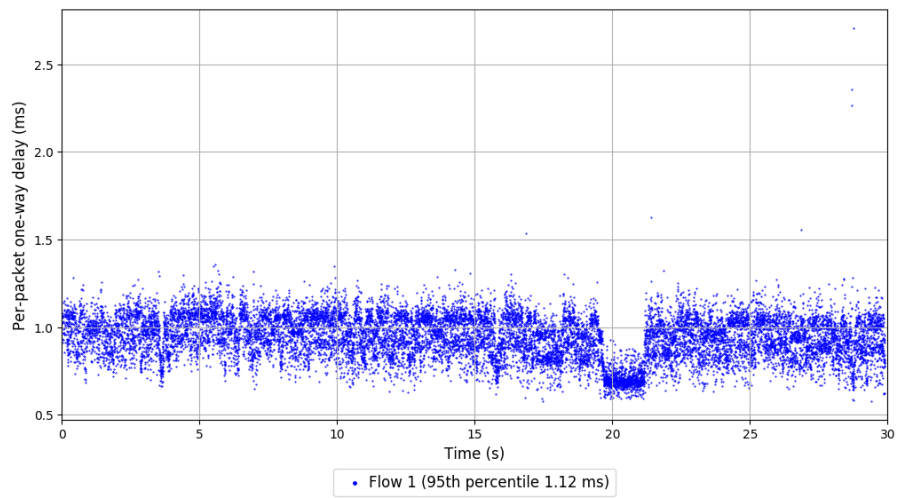
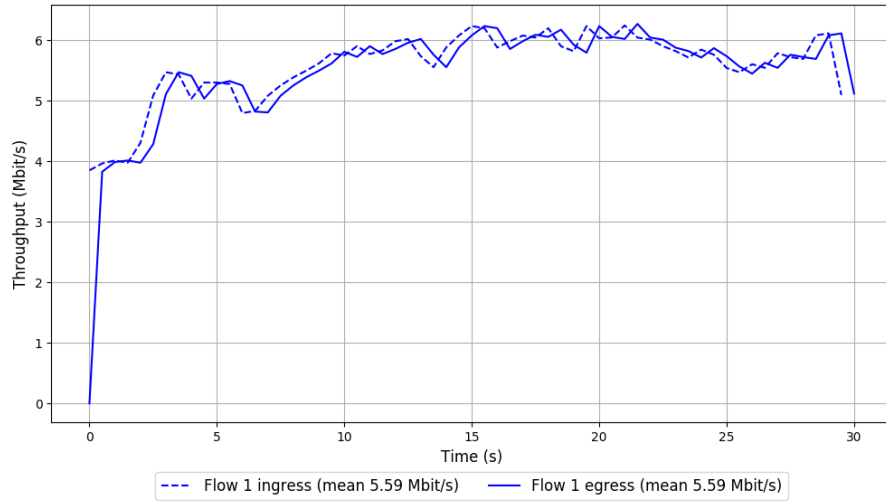
-- Flow 1:

Average throughput: 5.59 Mbit/s

95th percentile per-packet one-way delay: 1.121 ms

Loss rate: 0.01%

Run 2: Report of PCC-Allegro — Data Link



Run 3: Statistics of PCC-Allegro

Start at: 2019-04-23 20:02:55
End at: 2019-04-23 20:03:25
Local clock offset: -1.533 ms
Remote clock offset: -1.906 ms

Below is generated by plot.py at 2019-04-23 22:15:56

Datalink statistics

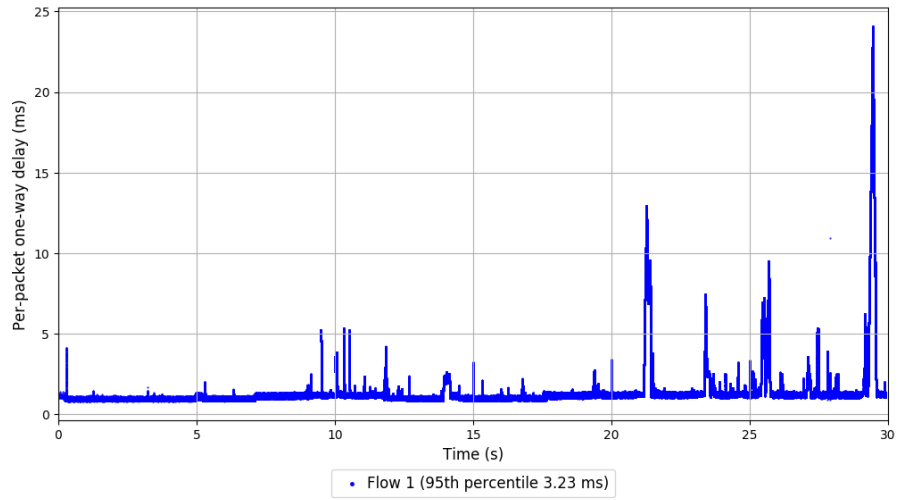
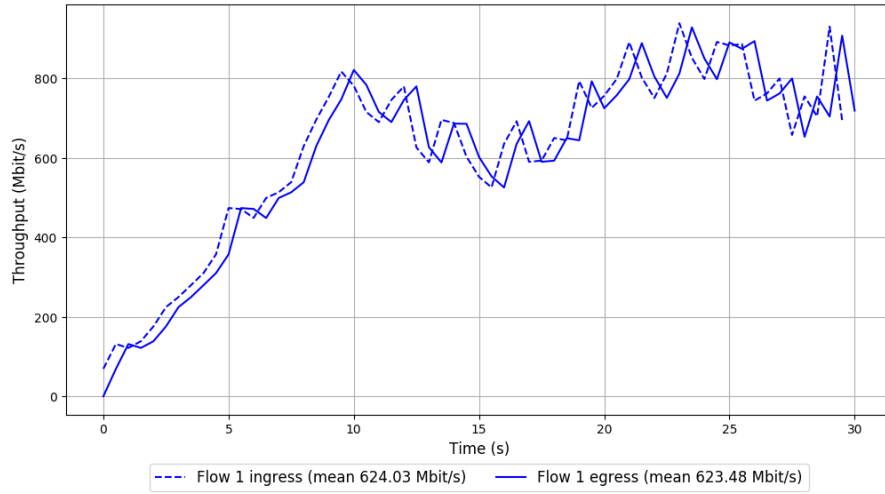
-- Total of 1 flow:

Average throughput: 623.48 Mbit/s
95th percentile per-packet one-way delay: 3.229 ms
Loss rate: 0.09%

-- Flow 1:

Average throughput: 623.48 Mbit/s
95th percentile per-packet one-way delay: 3.229 ms
Loss rate: 0.09%

Run 3: Report of PCC-Allegro — Data Link



Run 4: Statistics of PCC-Allegro

Start at: 2019-04-23 20:31:46

End at: 2019-04-23 20:32:16

Local clock offset: -1.895 ms

Remote clock offset: 2.488 ms

Below is generated by plot.py at 2019-04-23 22:17:21

Datalink statistics

-- Total of 1 flow:

Average throughput: 724.44 Mbit/s

95th percentile per-packet one-way delay: 1.724 ms

Loss rate: 0.02%

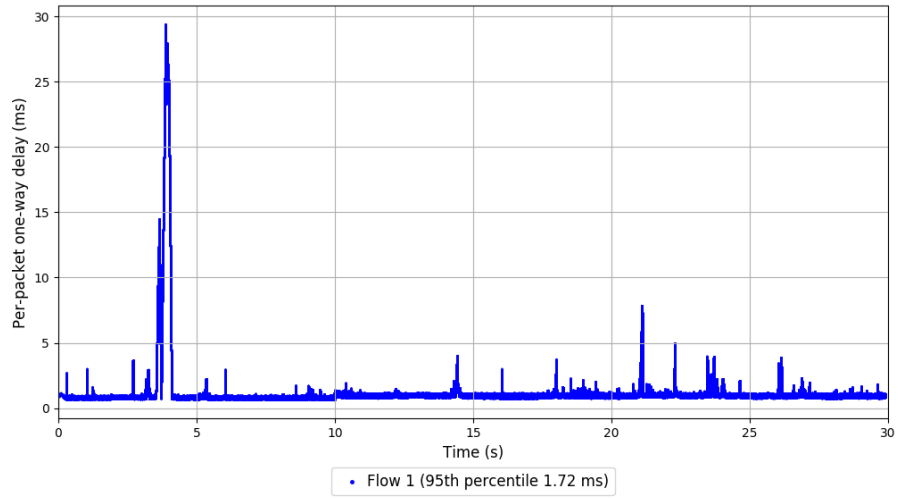
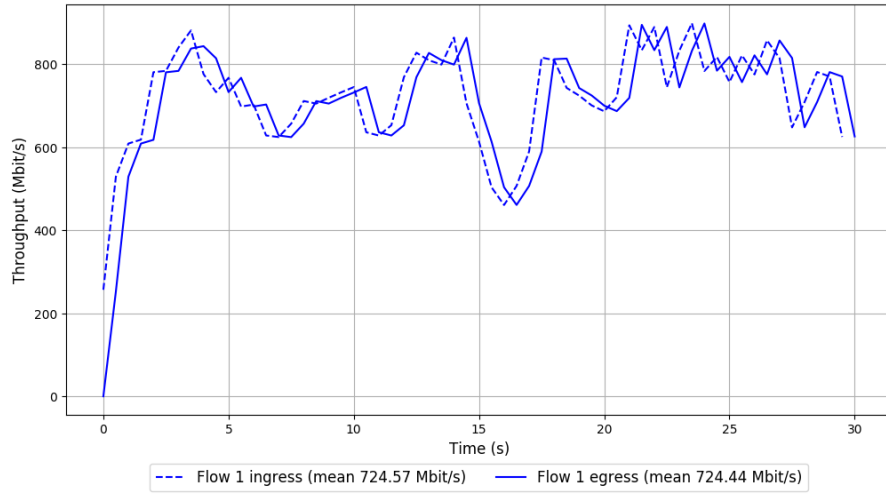
-- Flow 1:

Average throughput: 724.44 Mbit/s

95th percentile per-packet one-way delay: 1.724 ms

Loss rate: 0.02%

Run 4: Report of PCC-Allegro — Data Link



Run 5: Statistics of PCC-Allegro

Start at: 2019-04-23 21:00:26

End at: 2019-04-23 21:00:56

Local clock offset: -0.744 ms

Remote clock offset: -0.257 ms

Below is generated by plot.py at 2019-04-23 22:20:21

Datalink statistics

-- Total of 1 flow:

Average throughput: 654.82 Mbit/s

95th percentile per-packet one-way delay: 1.273 ms

Loss rate: 0.05%

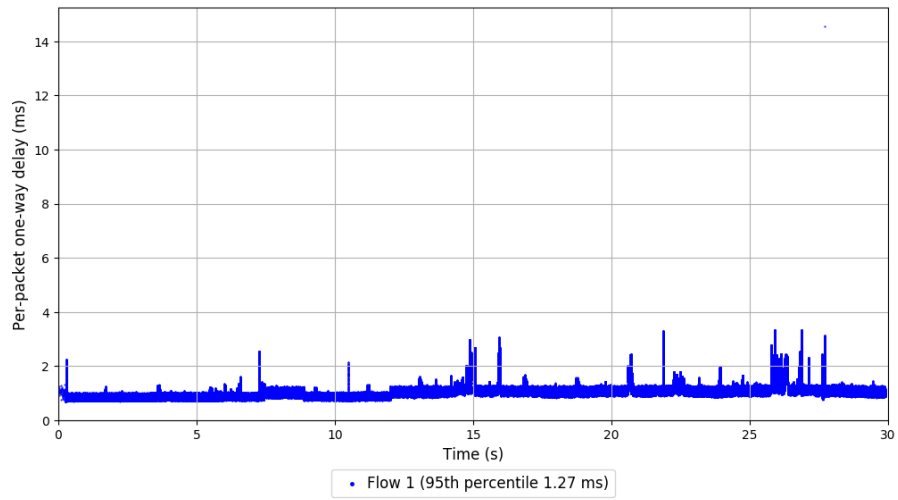
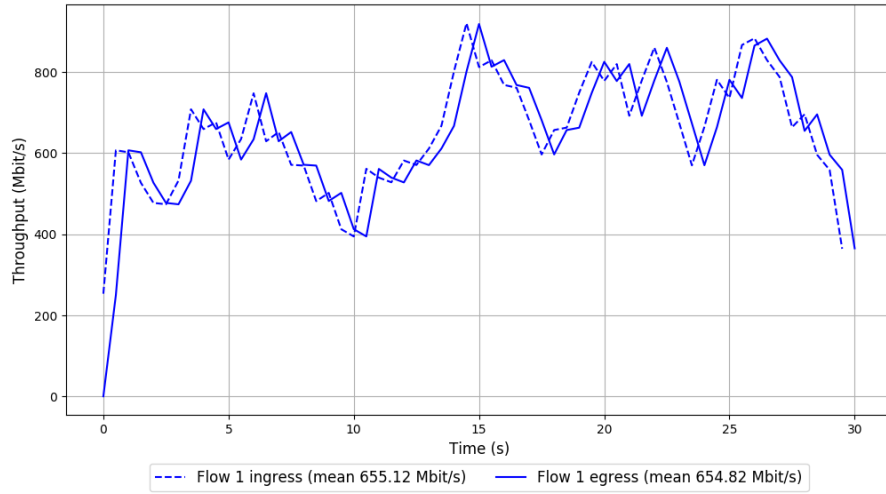
-- Flow 1:

Average throughput: 654.82 Mbit/s

95th percentile per-packet one-way delay: 1.273 ms

Loss rate: 0.05%

Run 5: Report of PCC-Allegro — Data Link



Run 1: Statistics of PCC-Expr

Start at: 2019-04-23 19:30:05

End at: 2019-04-23 19:30:35

Local clock offset: -8.117 ms

Remote clock offset: 1.871 ms

Below is generated by plot.py at 2019-04-23 22:20:21

Datalink statistics

-- Total of 1 flow:

Average throughput: 3.49 Mbit/s

95th percentile per-packet one-way delay: 1.334 ms

Loss rate: 0.00%

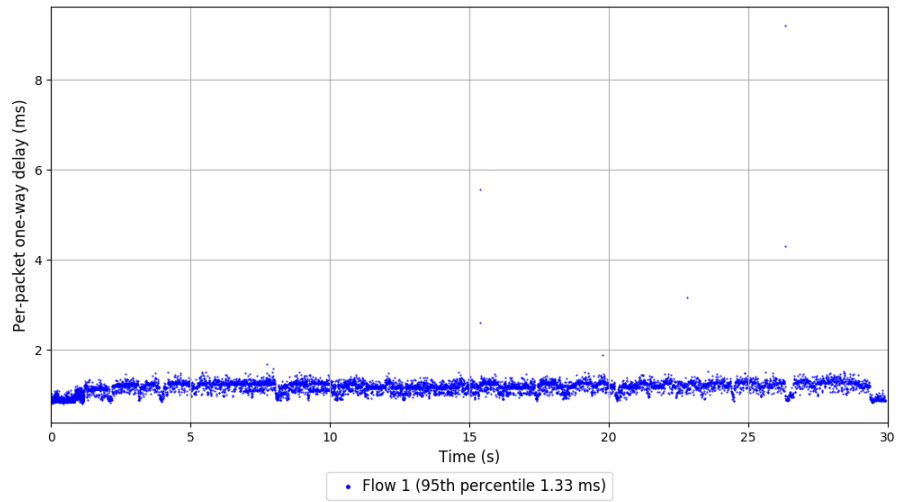
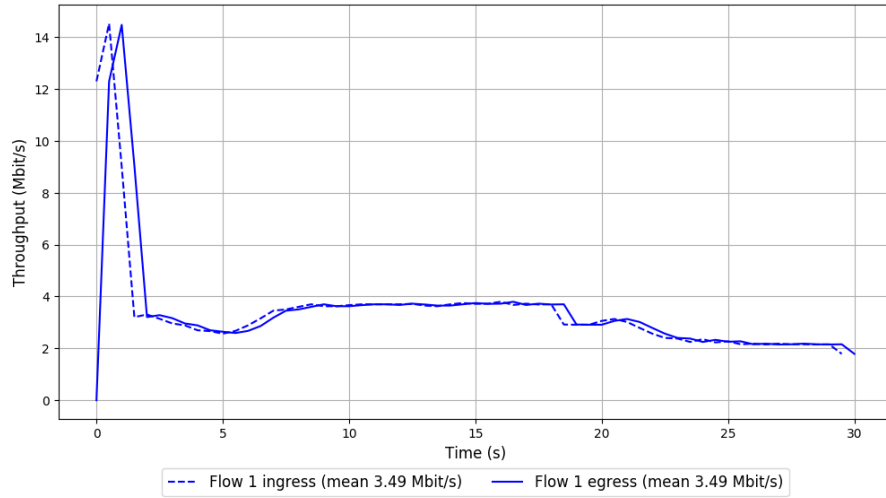
-- Flow 1:

Average throughput: 3.49 Mbit/s

95th percentile per-packet one-way delay: 1.334 ms

Loss rate: 0.00%

Run 1: Report of PCC-Expr — Data Link



Run 2: Statistics of PCC-Expr

Start at: 2019-04-23 19:58:48
End at: 2019-04-23 19:59:18
Local clock offset: -2.012 ms
Remote clock offset: -1.674 ms

Below is generated by plot.py at 2019-04-23 22:20:21

Datalink statistics

-- Total of 1 flow:

Average throughput: 8.11 Mbit/s

95th percentile per-packet one-way delay: 1.368 ms

Loss rate: 18.43%

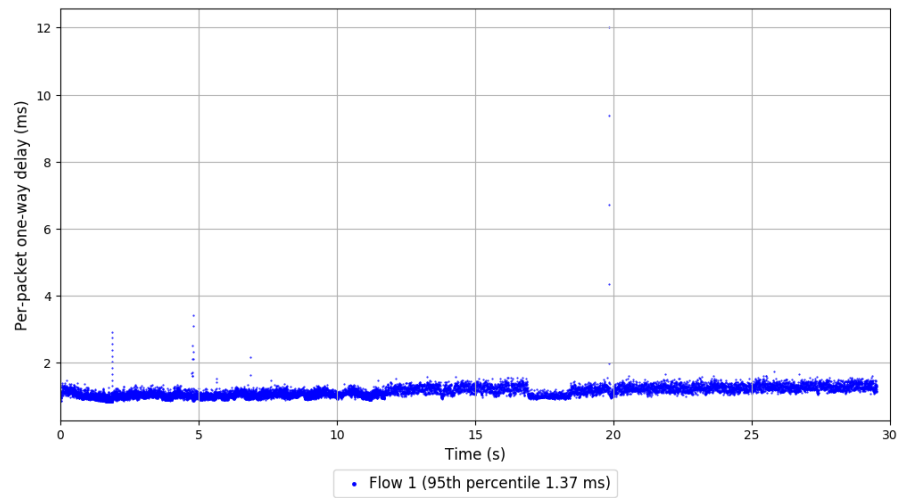
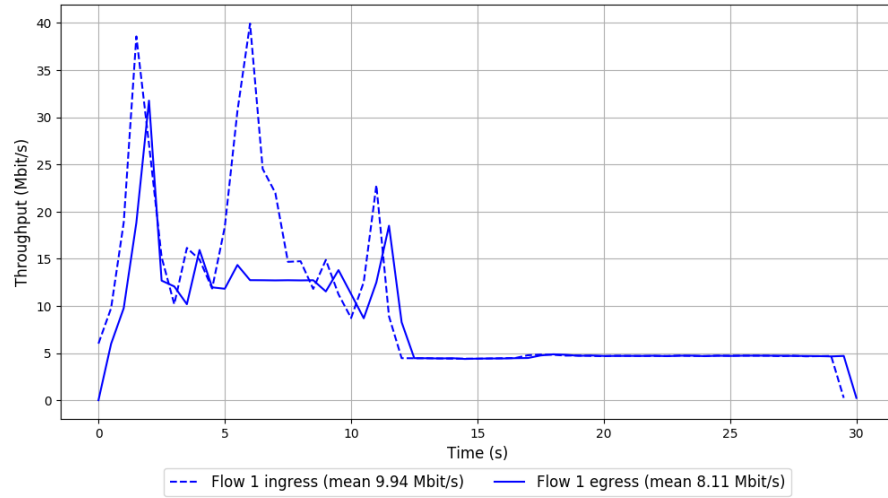
-- Flow 1:

Average throughput: 8.11 Mbit/s

95th percentile per-packet one-way delay: 1.368 ms

Loss rate: 18.43%

Run 2: Report of PCC-Expr — Data Link



Run 3: Statistics of PCC-Expr

Start at: 2019-04-23 20:27:38

End at: 2019-04-23 20:28:08

Local clock offset: -1.659 ms

Remote clock offset: 2.159 ms

Below is generated by plot.py at 2019-04-23 22:20:21

Datalink statistics

-- Total of 1 flow:

Average throughput: 4.17 Mbit/s

95th percentile per-packet one-way delay: 1.218 ms

Loss rate: 0.00%

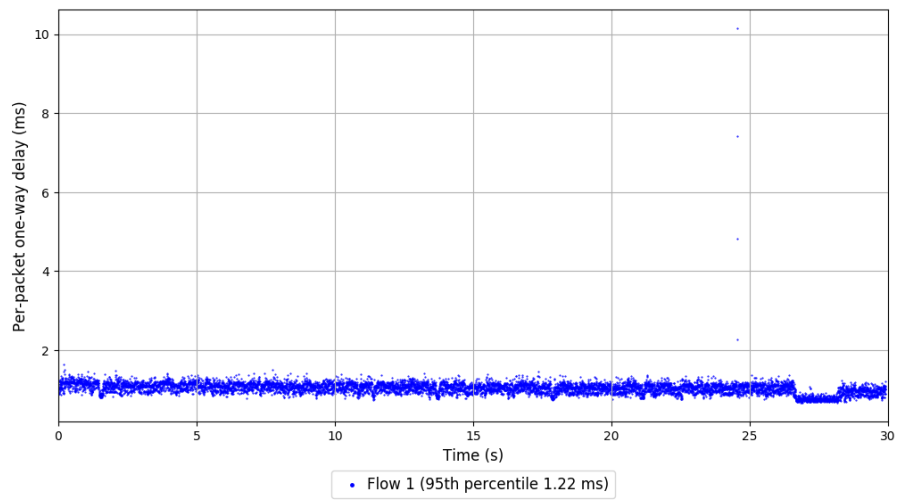
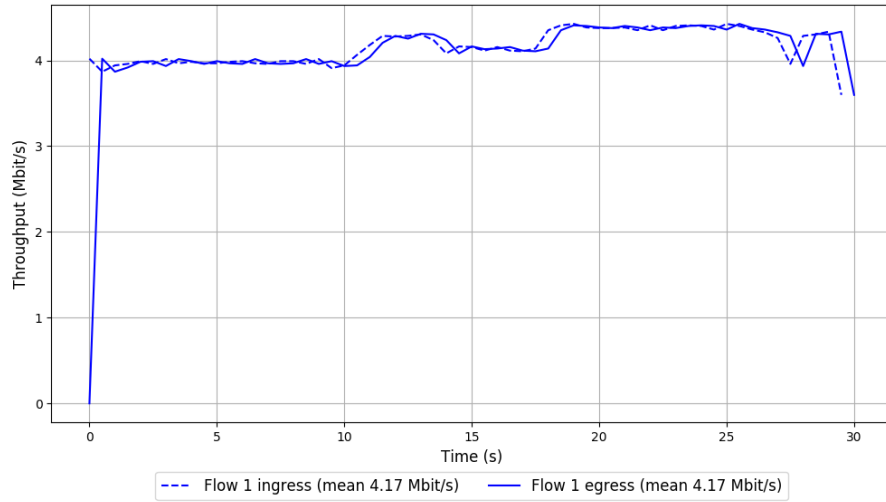
-- Flow 1:

Average throughput: 4.17 Mbit/s

95th percentile per-packet one-way delay: 1.218 ms

Loss rate: 0.00%

Run 3: Report of PCC-Expr — Data Link



Run 4: Statistics of PCC-Expr

Start at: 2019-04-23 20:56:17

End at: 2019-04-23 20:56:47

Local clock offset: -0.926 ms

Remote clock offset: 0.391 ms

Below is generated by plot.py at 2019-04-23 22:20:21

Datalink statistics

-- Total of 1 flow:

Average throughput: 7.02 Mbit/s

95th percentile per-packet one-way delay: 1.367 ms

Loss rate: 9.11%

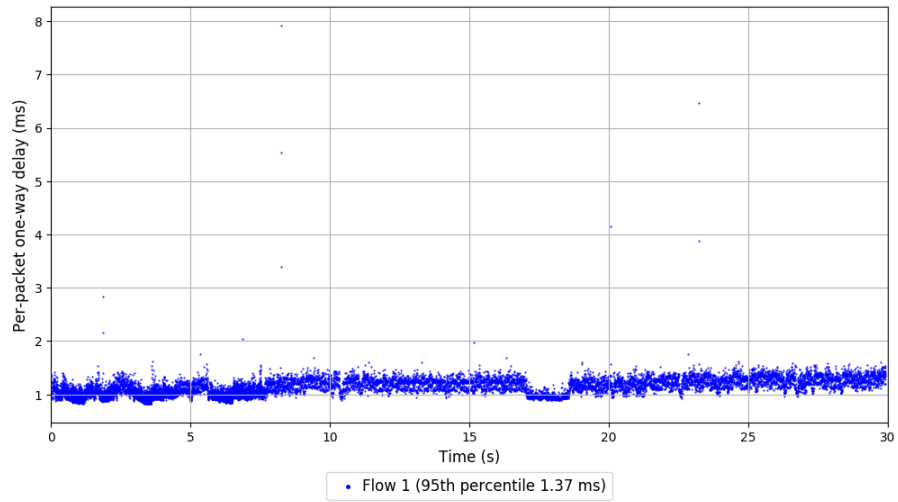
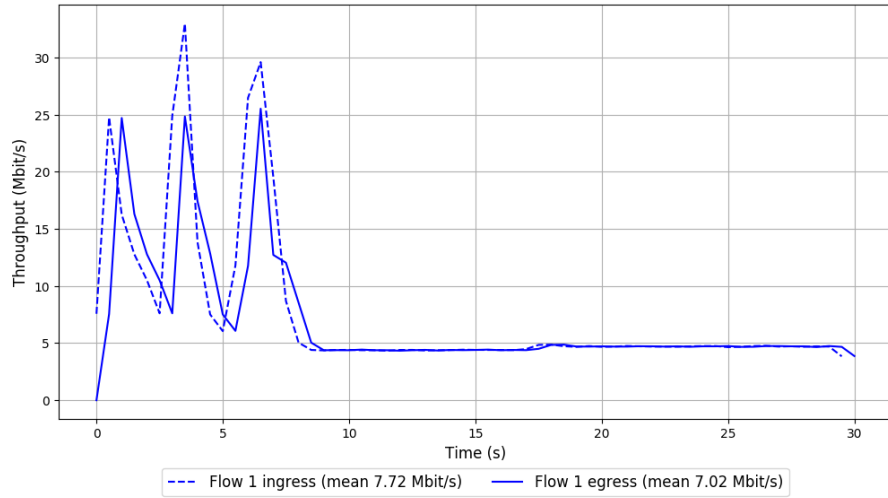
-- Flow 1:

Average throughput: 7.02 Mbit/s

95th percentile per-packet one-way delay: 1.367 ms

Loss rate: 9.11%

Run 4: Report of PCC-Expr — Data Link

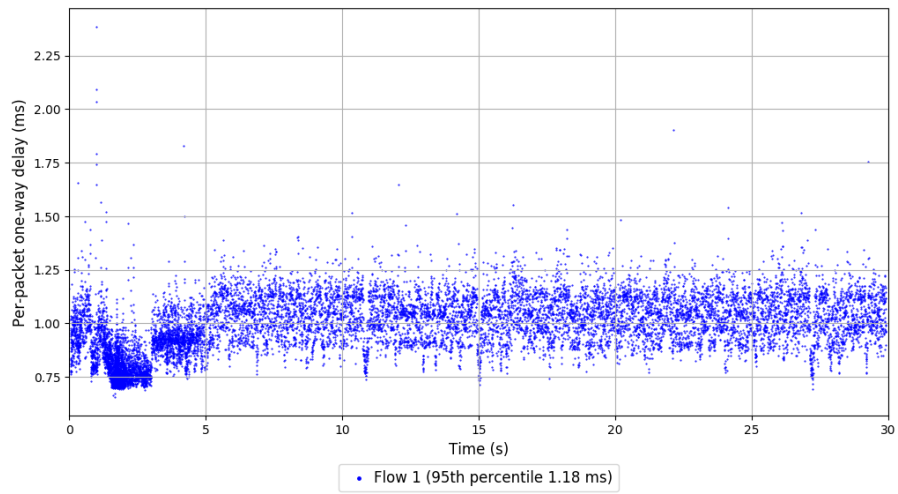
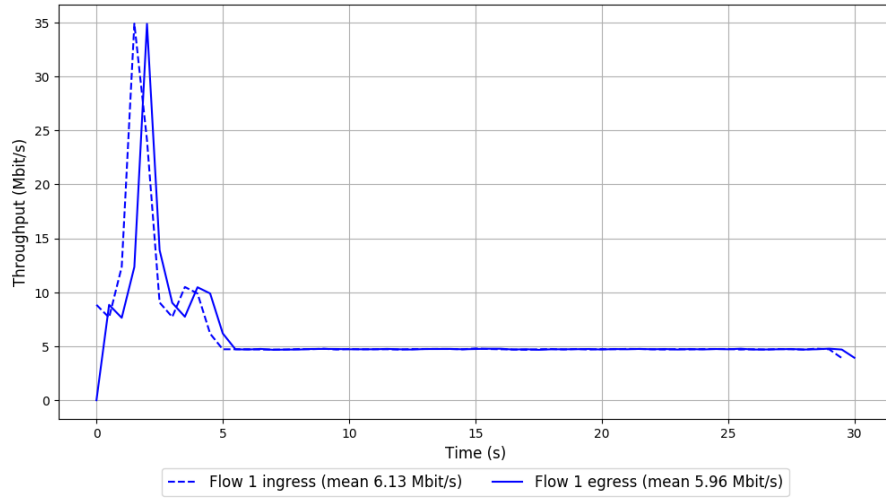


Run 5: Statistics of PCC-Expr

Start at: 2019-04-23 21:25:03
End at: 2019-04-23 21:25:33
Local clock offset: -0.497 ms
Remote clock offset: -1.272 ms

Below is generated by plot.py at 2019-04-23 22:20:21
Datalink statistics
-- Total of 1 flow:
Average throughput: 5.96 Mbit/s
95th percentile per-packet one-way delay: 1.183 ms
Loss rate: 2.79%
-- Flow 1:
Average throughput: 5.96 Mbit/s
95th percentile per-packet one-way delay: 1.183 ms
Loss rate: 2.79%

Run 5: Report of PCC-Expr — Data Link



Run 1: Statistics of QUIC Cubic

Start at: 2019-04-23 19:16:36

End at: 2019-04-23 19:17:06

Local clock offset: -16.91 ms

Remote clock offset: 1.695 ms

Below is generated by plot.py at 2019-04-23 22:20:21

Datalink statistics

-- Total of 1 flow:

Average throughput: 82.53 Mbit/s

95th percentile per-packet one-way delay: 2.124 ms

Loss rate: 0.00%

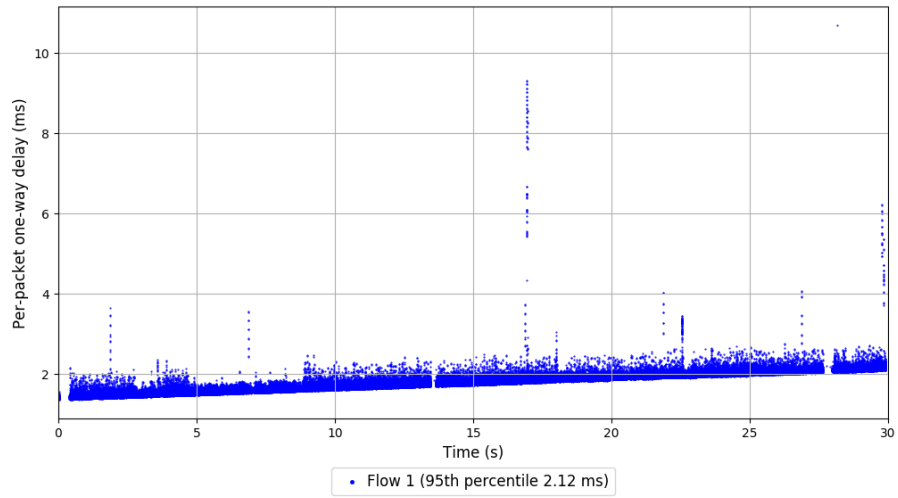
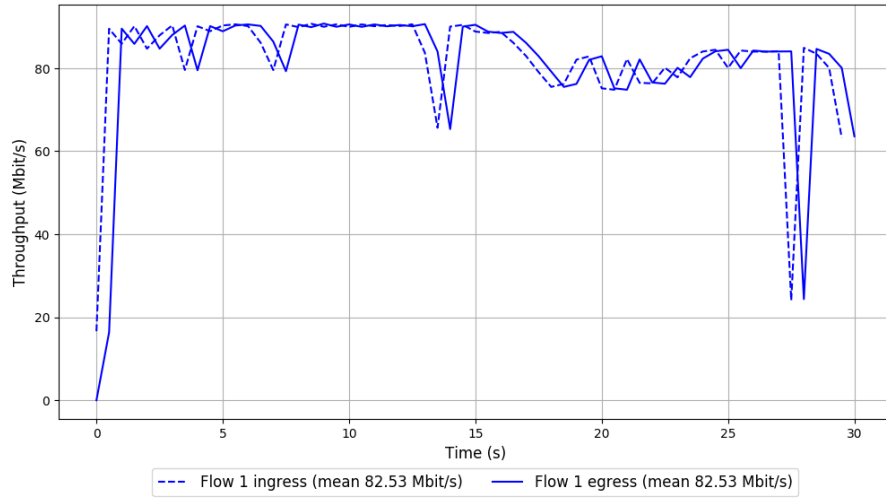
-- Flow 1:

Average throughput: 82.53 Mbit/s

95th percentile per-packet one-way delay: 2.124 ms

Loss rate: 0.00%

Run 1: Report of QUIC Cubic — Data Link

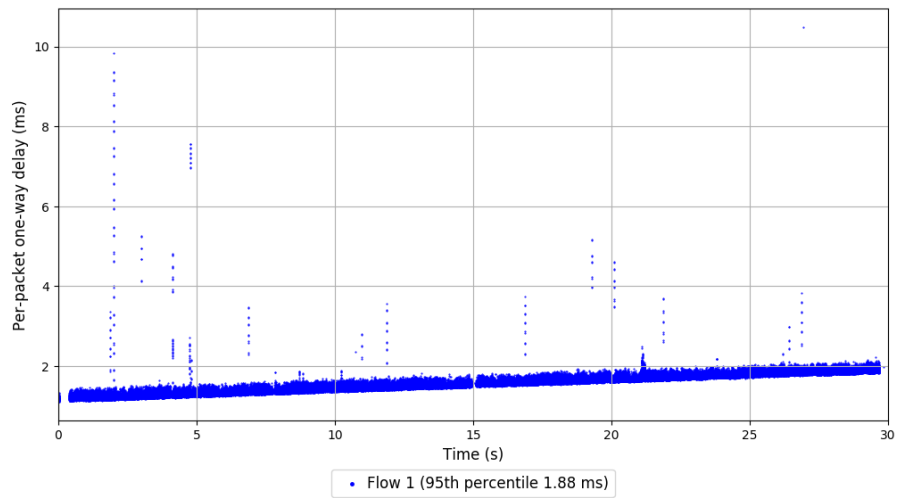
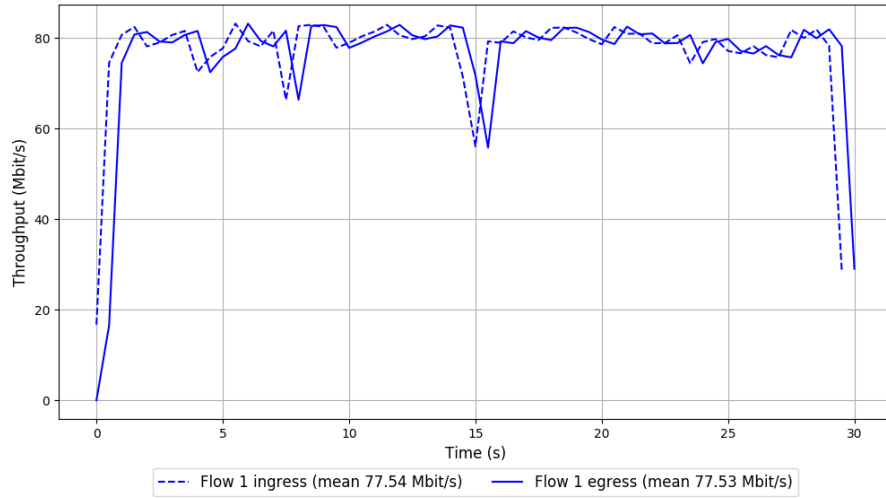


Run 2: Statistics of QUIC Cubic

Start at: 2019-04-23 19:45:09
End at: 2019-04-23 19:45:39
Local clock offset: -10.308 ms
Remote clock offset: -0.039 ms

Below is generated by plot.py at 2019-04-23 22:20:21
Datalink statistics
-- Total of 1 flow:
Average throughput: 77.53 Mbit/s
95th percentile per-packet one-way delay: 1.876 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 77.53 Mbit/s
95th percentile per-packet one-way delay: 1.876 ms
Loss rate: 0.00%

Run 2: Report of QUIC Cubic — Data Link



Run 3: Statistics of QUIC Cubic

Start at: 2019-04-23 20:14:02

End at: 2019-04-23 20:14:32

Local clock offset: -1.953 ms

Remote clock offset: -1.415 ms

Below is generated by plot.py at 2019-04-23 22:20:21

Datalink statistics

-- Total of 1 flow:

Average throughput: 82.18 Mbit/s

95th percentile per-packet one-way delay: 0.737 ms

Loss rate: 0.00%

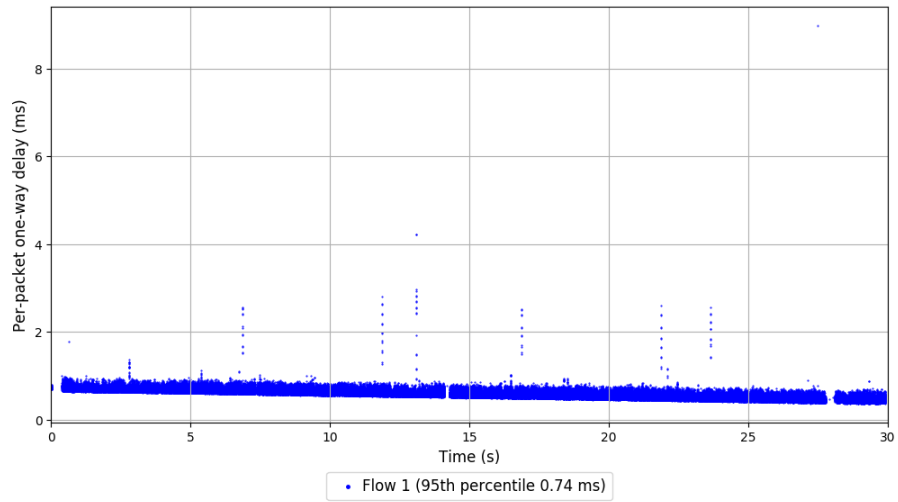
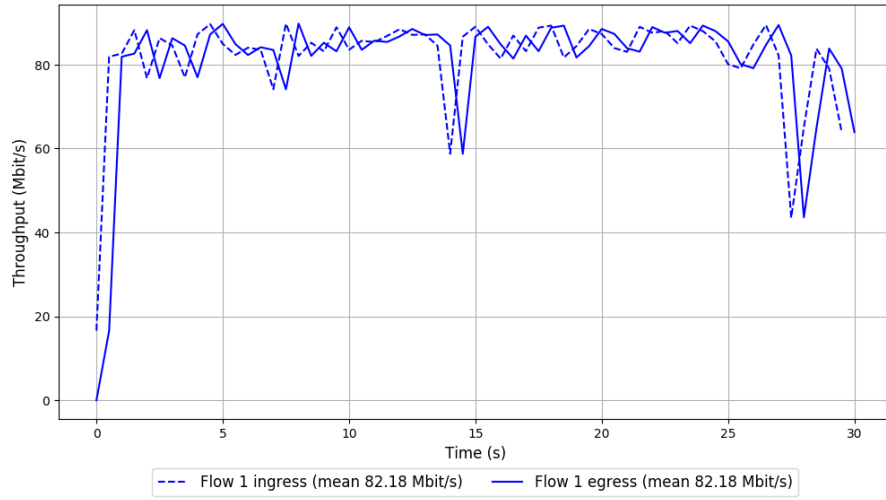
-- Flow 1:

Average throughput: 82.18 Mbit/s

95th percentile per-packet one-way delay: 0.737 ms

Loss rate: 0.00%

Run 3: Report of QUIC Cubic — Data Link



Run 4: Statistics of QUIC Cubic

Start at: 2019-04-23 20:42:52

End at: 2019-04-23 20:43:22

Local clock offset: -2.883 ms

Remote clock offset: 3.041 ms

Below is generated by plot.py at 2019-04-23 22:20:21

Datalink statistics

-- Total of 1 flow:

Average throughput: 76.95 Mbit/s

95th percentile per-packet one-way delay: 0.856 ms

Loss rate: 0.00%

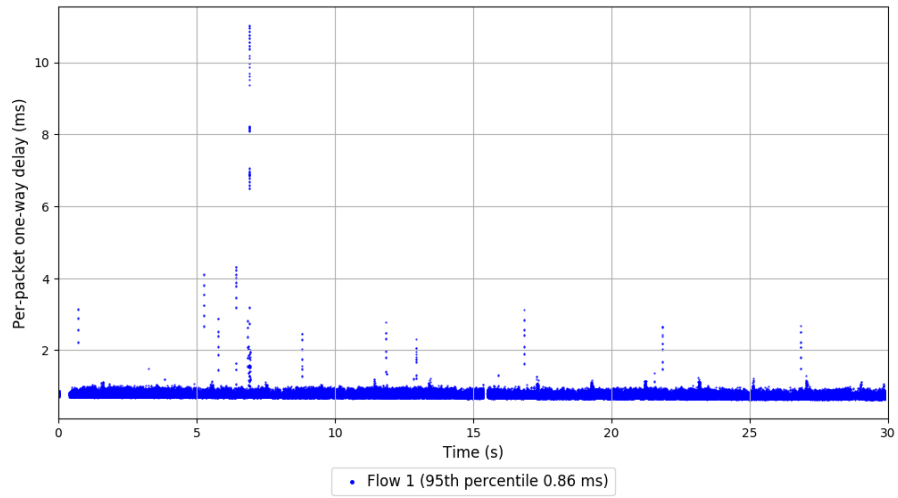
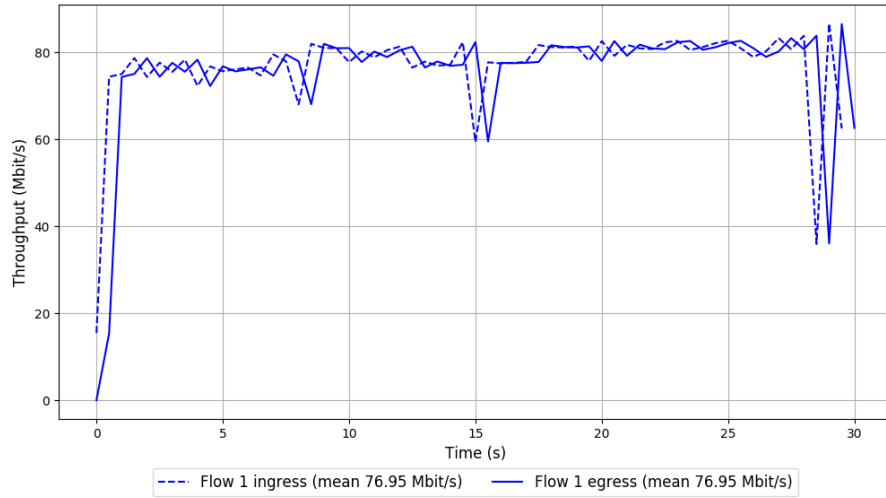
-- Flow 1:

Average throughput: 76.95 Mbit/s

95th percentile per-packet one-way delay: 0.856 ms

Loss rate: 0.00%

Run 4: Report of QUIC Cubic — Data Link



Run 5: Statistics of QUIC Cubic

Start at: 2019-04-23 21:11:30

End at: 2019-04-23 21:12:00

Local clock offset: -0.897 ms

Remote clock offset: -1.165 ms

Below is generated by plot.py at 2019-04-23 22:20:21

Datalink statistics

-- Total of 1 flow:

Average throughput: 80.96 Mbit/s

95th percentile per-packet one-way delay: 0.892 ms

Loss rate: 0.01%

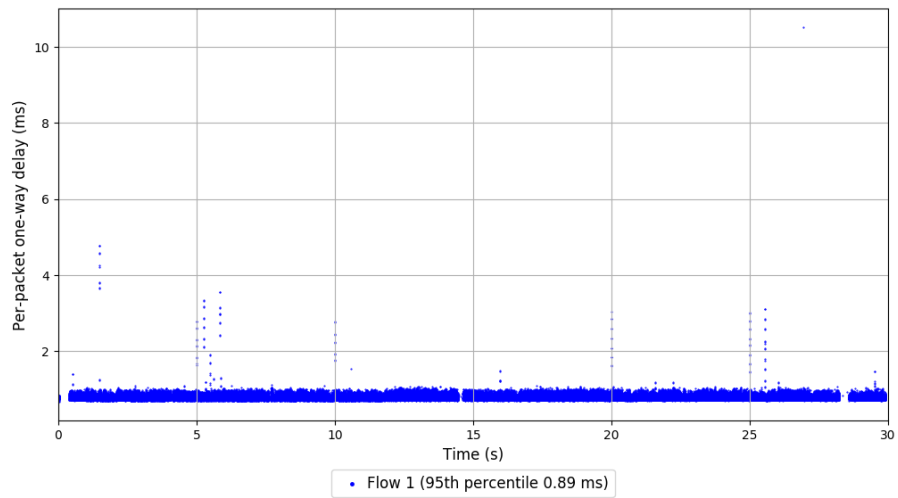
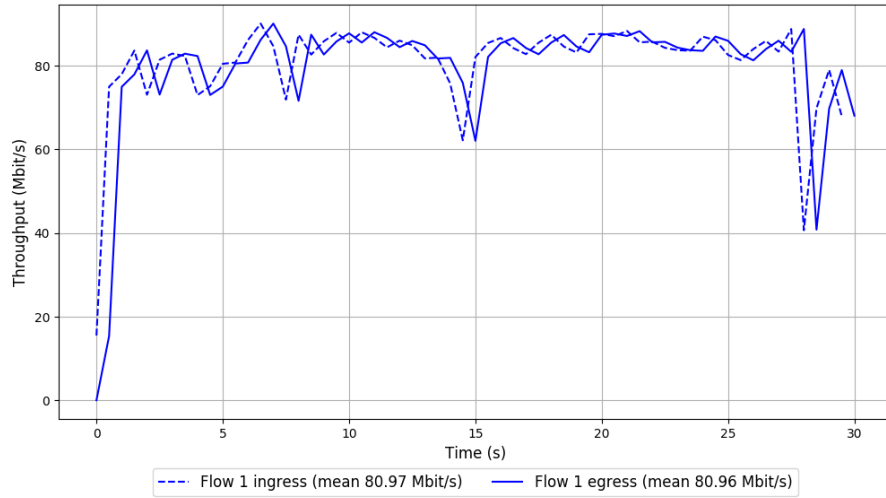
-- Flow 1:

Average throughput: 80.96 Mbit/s

95th percentile per-packet one-way delay: 0.892 ms

Loss rate: 0.01%

Run 5: Report of QUIC Cubic — Data Link

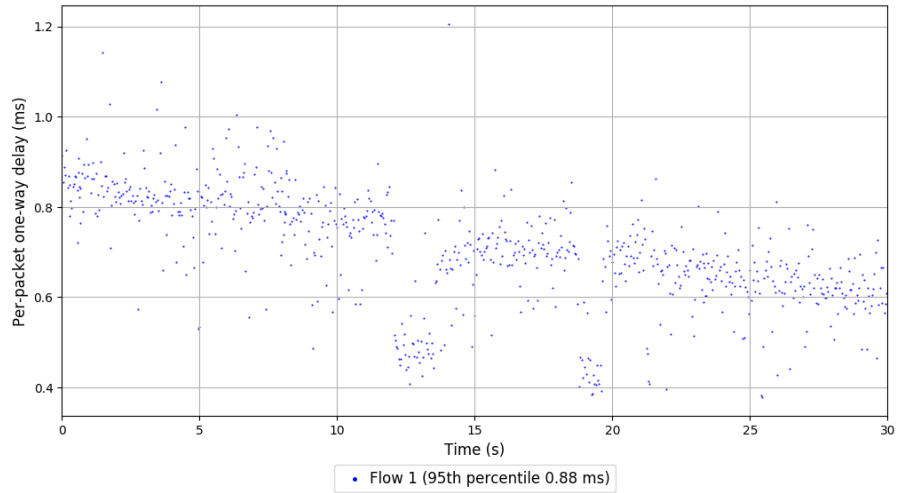
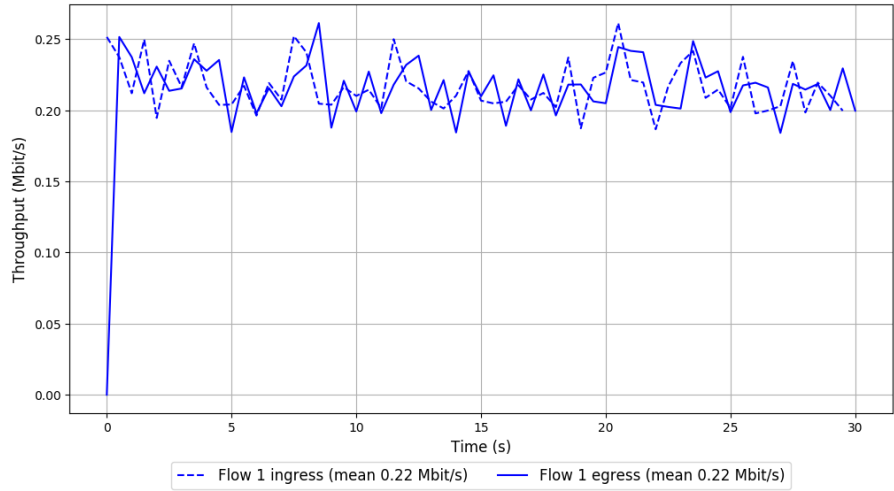


Run 1: Statistics of SCReAM

Start at: 2019-04-23 19:12:23
End at: 2019-04-23 19:12:53
Local clock offset: -17.758 ms
Remote clock offset: 1.785 ms

Below is generated by plot.py at 2019-04-23 22:20:21
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 0.880 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 0.880 ms
Loss rate: 0.00%

Run 1: Report of SCReAM — Data Link



Run 2: Statistics of SCReAM

Start at: 2019-04-23 19:40:55

End at: 2019-04-23 19:41:25

Local clock offset: -9.242 ms

Remote clock offset: 0.895 ms

Below is generated by plot.py at 2019-04-23 22:20:21

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 1.173 ms

Loss rate: 0.00%

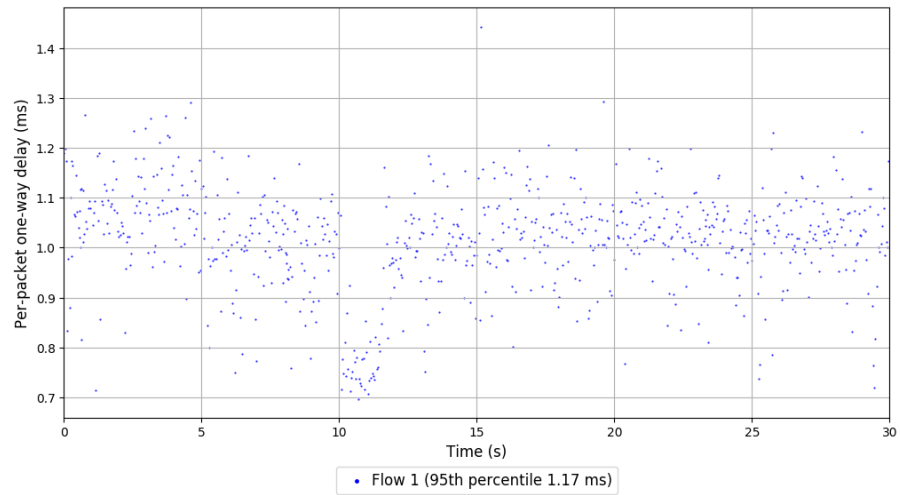
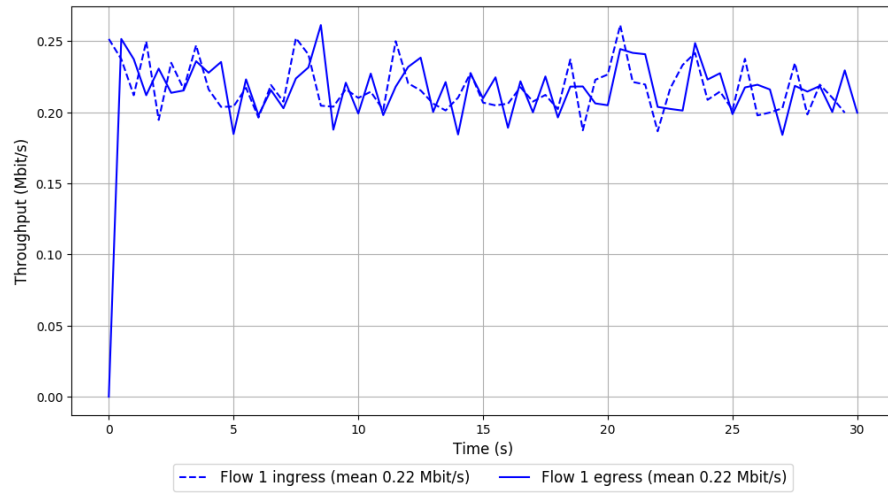
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 1.173 ms

Loss rate: 0.00%

Run 2: Report of SCReAM — Data Link

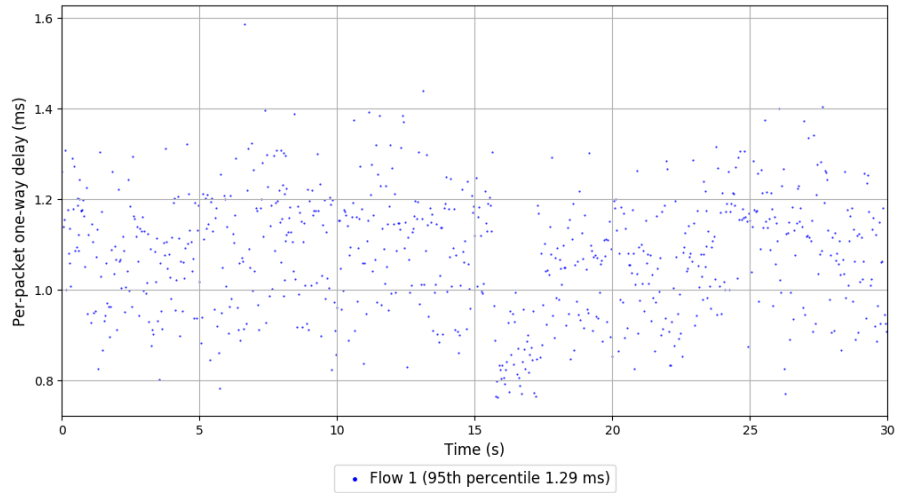
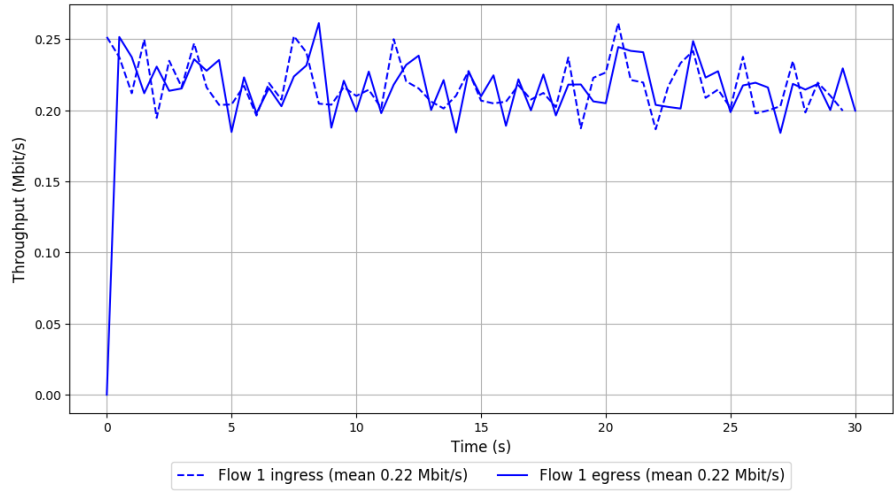


Run 3: Statistics of SCReAM

Start at: 2019-04-23 20:09:49
End at: 2019-04-23 20:10:19
Local clock offset: -1.592 ms
Remote clock offset: -2.429 ms

Below is generated by plot.py at 2019-04-23 22:20:21
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 1.294 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 1.294 ms
Loss rate: 0.00%

Run 3: Report of SCReAM — Data Link



Run 4: Statistics of SCReAM

Start at: 2019-04-23 20:38:40

End at: 2019-04-23 20:39:10

Local clock offset: -2.467 ms

Remote clock offset: 2.84 ms

Below is generated by plot.py at 2019-04-23 22:20:21

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 1.102 ms

Loss rate: 0.00%

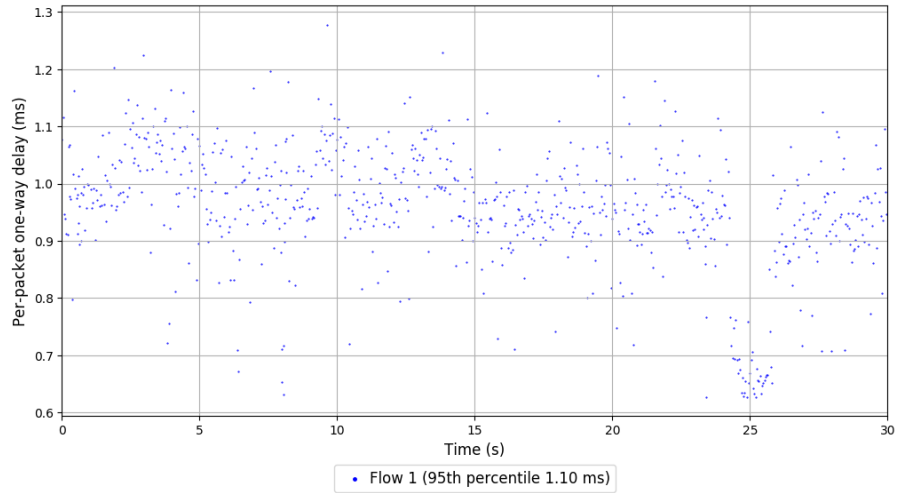
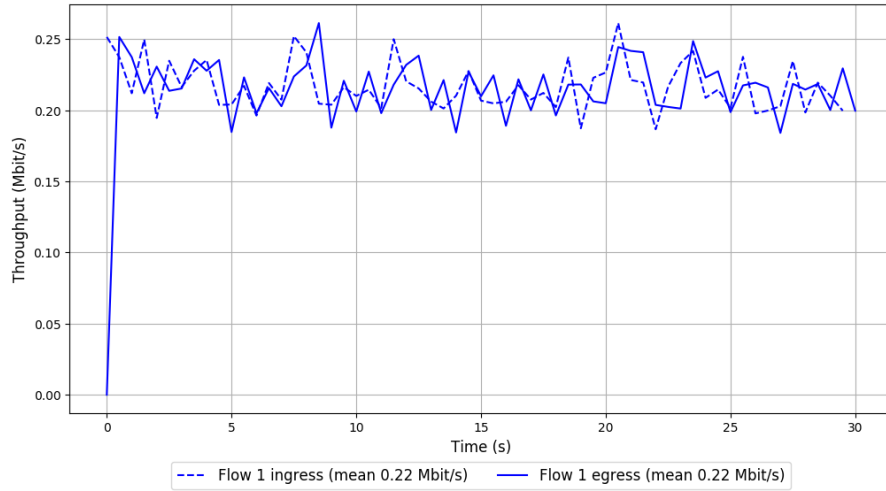
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 1.102 ms

Loss rate: 0.00%

Run 4: Report of SReAM — Data Link

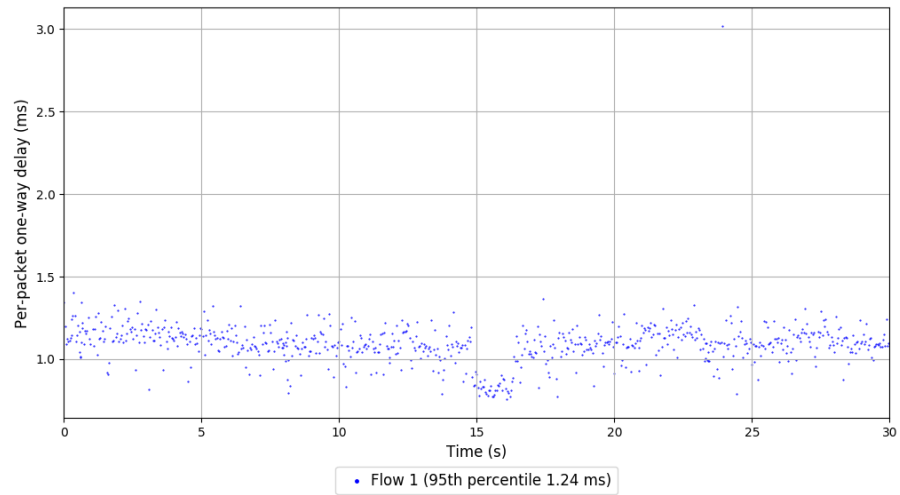
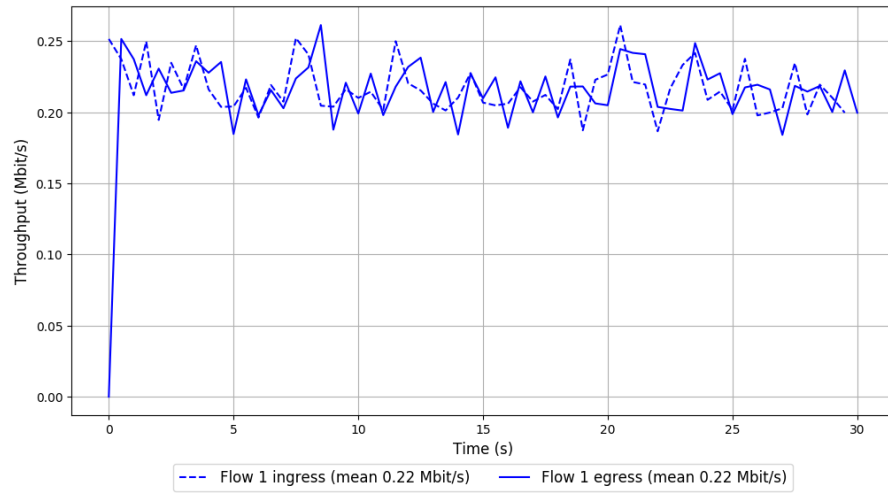


Run 5: Statistics of SCReAM

Start at: 2019-04-23 21:07:20
End at: 2019-04-23 21:07:50
Local clock offset: -0.791 ms
Remote clock offset: -0.899 ms

```
# Below is generated by plot.py at 2019-04-23 22:20:21
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 1.241 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 1.241 ms
Loss rate: 0.00%
```

Run 5: Report of SCReAM — Data Link



Run 1: Statistics of Sprout

Start at: 2019-04-23 19:28:51

End at: 2019-04-23 19:29:21

Local clock offset: -8.283 ms

Remote clock offset: 1.803 ms

Below is generated by plot.py at 2019-04-23 22:20:21

Datalink statistics

-- Total of 1 flow:

Average throughput: 50.16 Mbit/s

95th percentile per-packet one-way delay: 3.768 ms

Loss rate: 0.00%

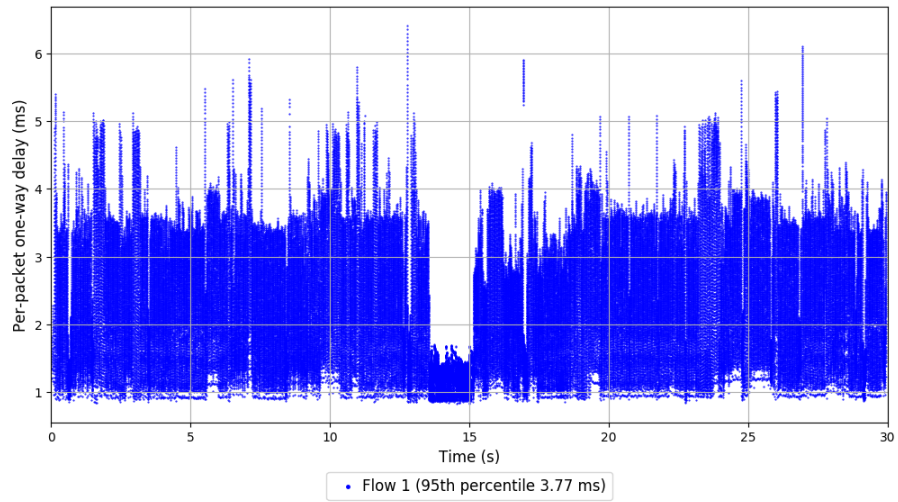
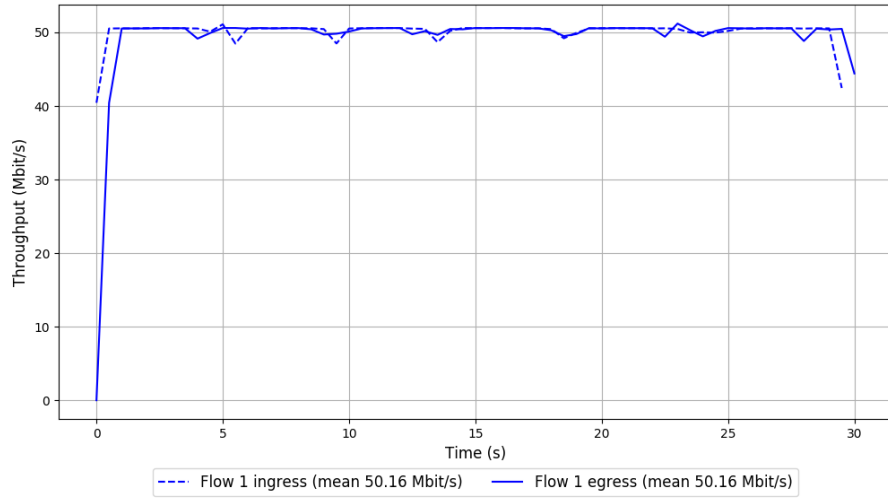
-- Flow 1:

Average throughput: 50.16 Mbit/s

95th percentile per-packet one-way delay: 3.768 ms

Loss rate: 0.00%

Run 1: Report of Sprout — Data Link

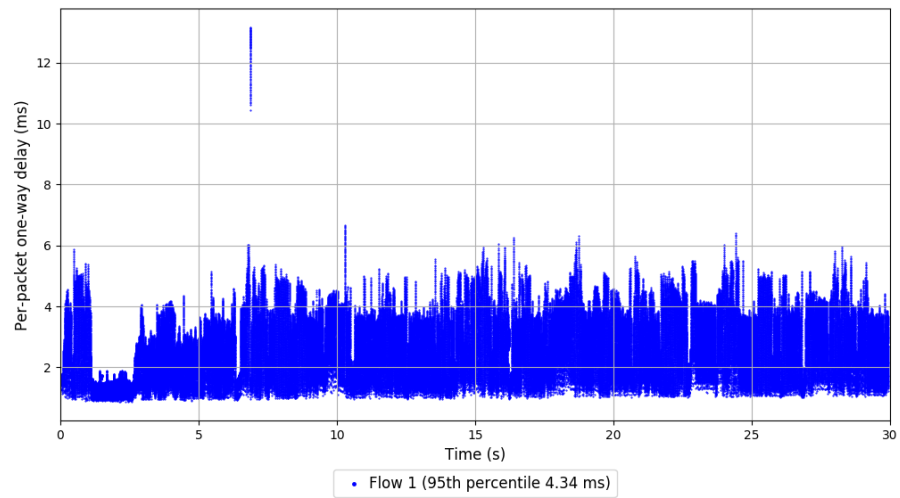
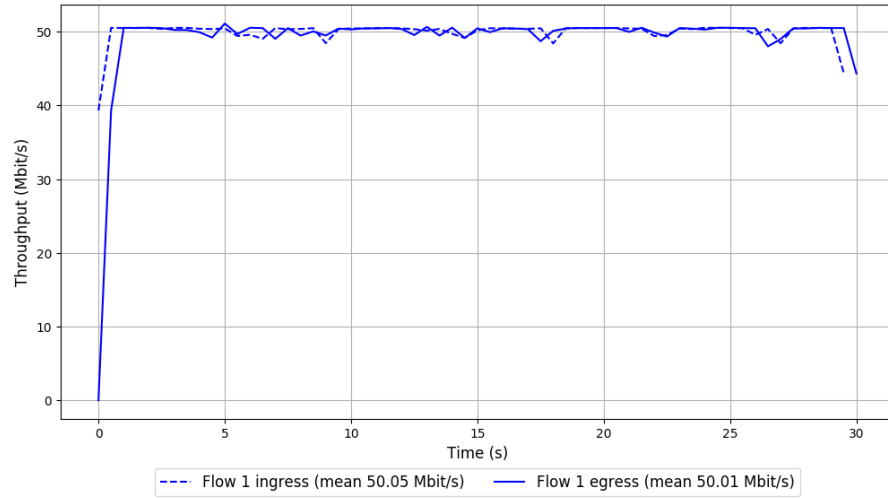


Run 2: Statistics of Sprout

Start at: 2019-04-23 19:57:33
End at: 2019-04-23 19:58:03
Local clock offset: -2.217 ms
Remote clock offset: -1.554 ms

Below is generated by plot.py at 2019-04-23 22:20:21
Datalink statistics
-- Total of 1 flow:
Average throughput: 50.01 Mbit/s
95th percentile per-packet one-way delay: 4.338 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 50.01 Mbit/s
95th percentile per-packet one-way delay: 4.338 ms
Loss rate: 0.08%

Run 2: Report of Sprout — Data Link



Run 3: Statistics of Sprout

Start at: 2019-04-23 20:26:24

End at: 2019-04-23 20:26:54

Local clock offset: -1.575 ms

Remote clock offset: 2.006 ms

Below is generated by plot.py at 2019-04-23 22:20:21

Datalink statistics

-- Total of 1 flow:

Average throughput: 50.17 Mbit/s

95th percentile per-packet one-way delay: 3.887 ms

Loss rate: 0.01%

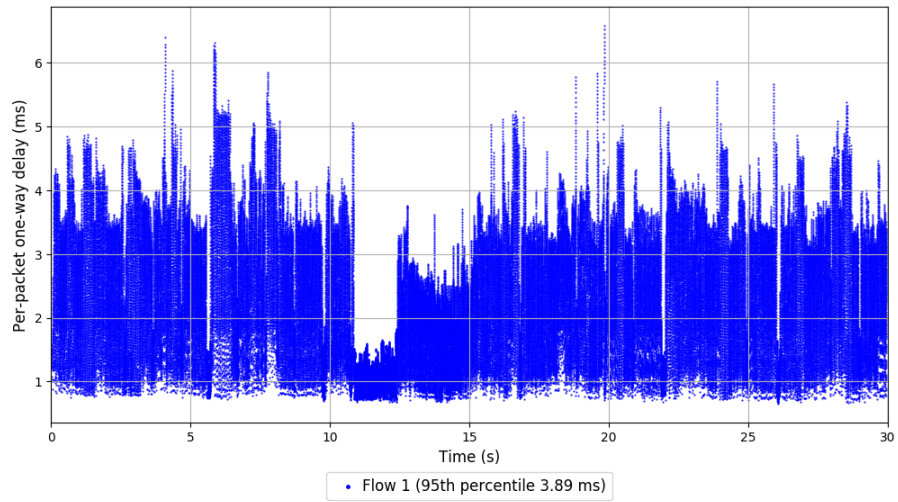
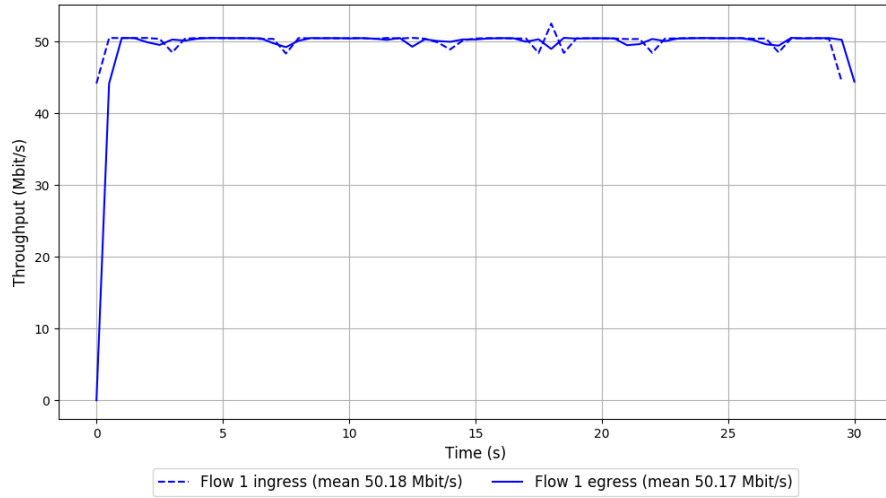
-- Flow 1:

Average throughput: 50.17 Mbit/s

95th percentile per-packet one-way delay: 3.887 ms

Loss rate: 0.01%

Run 3: Report of Sprout — Data Link



Run 4: Statistics of Sprout

Start at: 2019-04-23 20:55:03

End at: 2019-04-23 20:55:33

Local clock offset: -1.069 ms

Remote clock offset: 0.565 ms

Below is generated by plot.py at 2019-04-23 22:20:21

Datalink statistics

-- Total of 1 flow:

Average throughput: 50.02 Mbit/s

95th percentile per-packet one-way delay: 4.074 ms

Loss rate: 0.04%

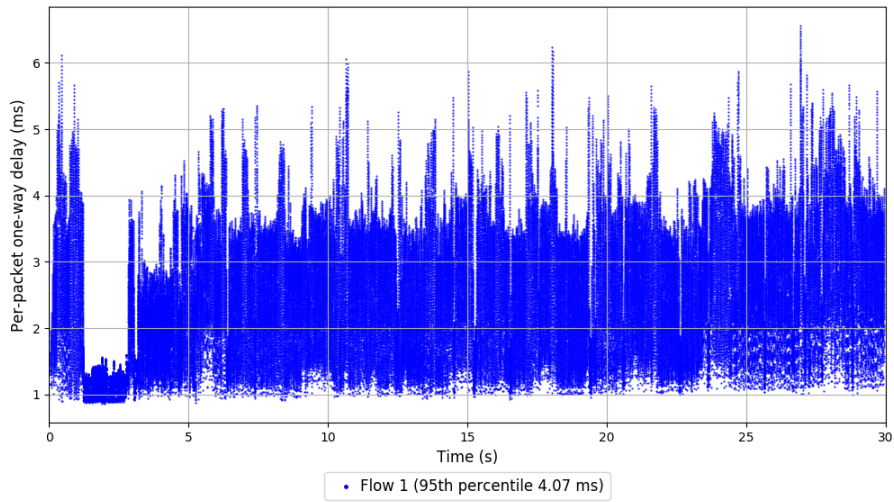
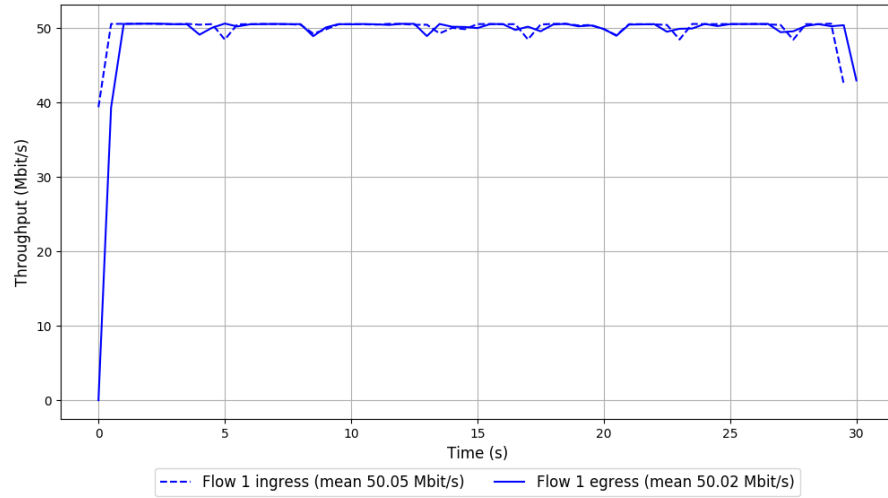
-- Flow 1:

Average throughput: 50.02 Mbit/s

95th percentile per-packet one-way delay: 4.074 ms

Loss rate: 0.04%

Run 4: Report of Sprout — Data Link

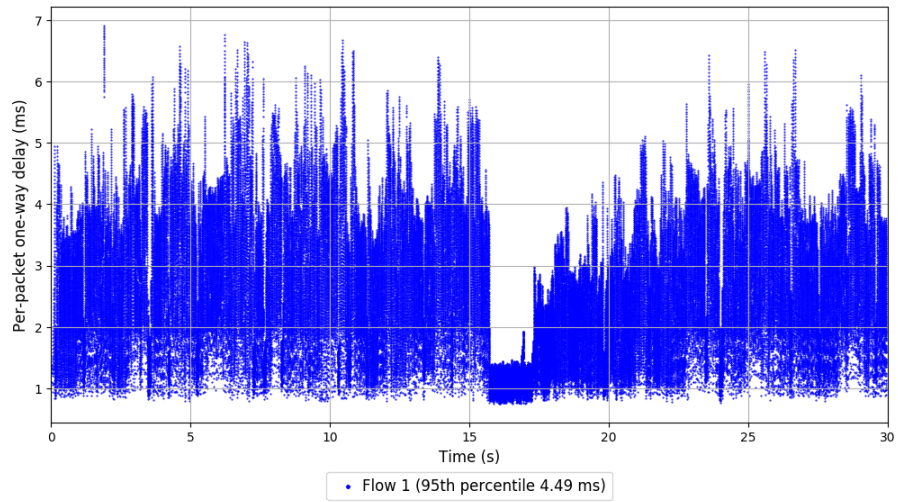
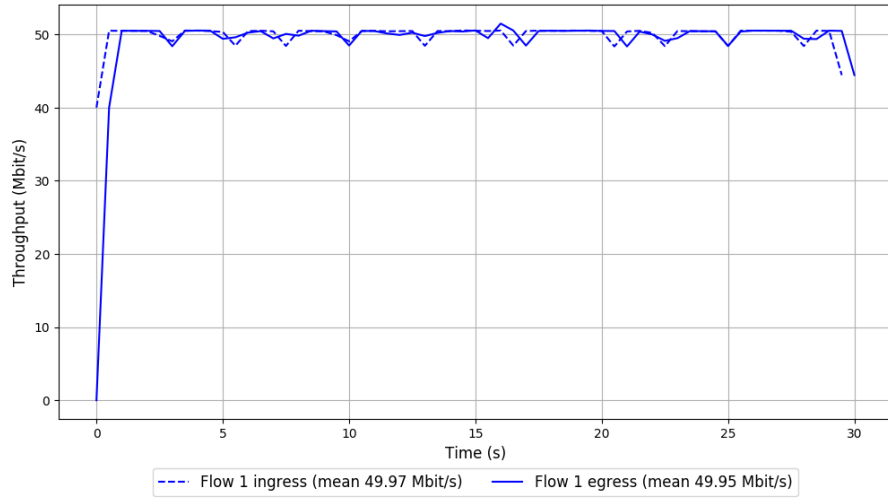


Run 5: Statistics of Sprout

Start at: 2019-04-23 21:23:49
End at: 2019-04-23 21:24:19
Local clock offset: -0.502 ms
Remote clock offset: -1.262 ms

```
# Below is generated by plot.py at 2019-04-23 22:20:21
# Datalink statistics
-- Total of 1 flow:
Average throughput: 49.95 Mbit/s
95th percentile per-packet one-way delay: 4.487 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 49.95 Mbit/s
95th percentile per-packet one-way delay: 4.487 ms
Loss rate: 0.02%
```

Run 5: Report of Sprout — Data Link



Run 1: Statistics of TaoVA-100x

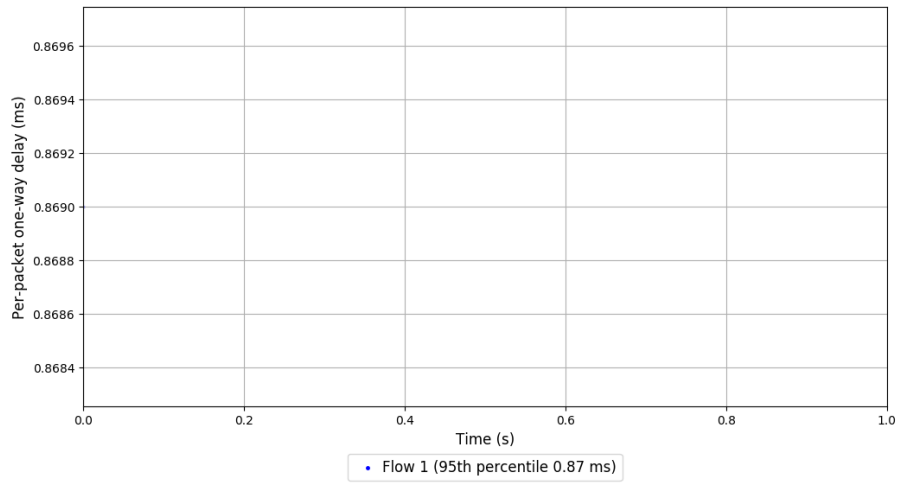
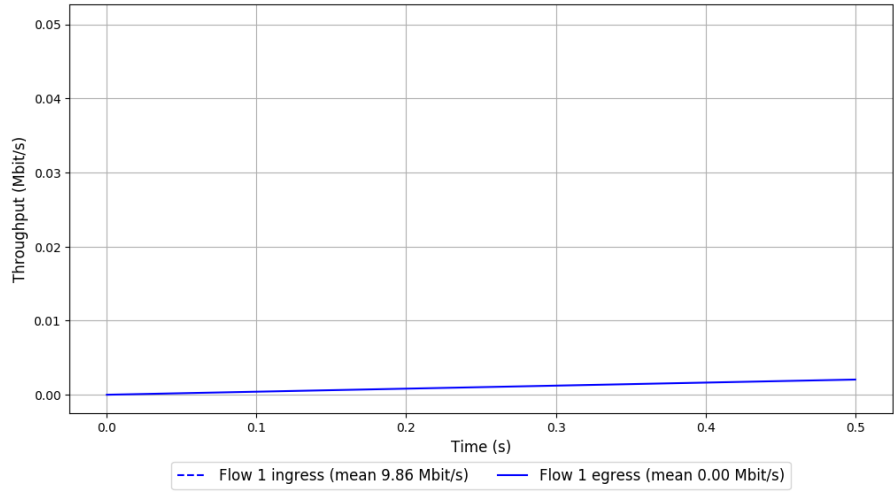
Start at: 2019-04-23 19:09:46

End at: 2019-04-23 19:10:16

Local clock offset: -16.716 ms

Remote clock offset: 1.725 ms

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



Run 2: Statistics of TaoVA-100x

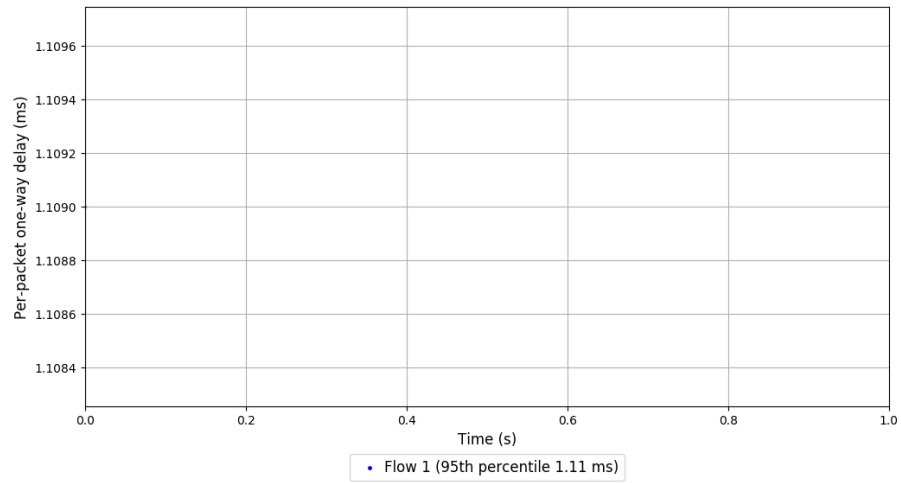
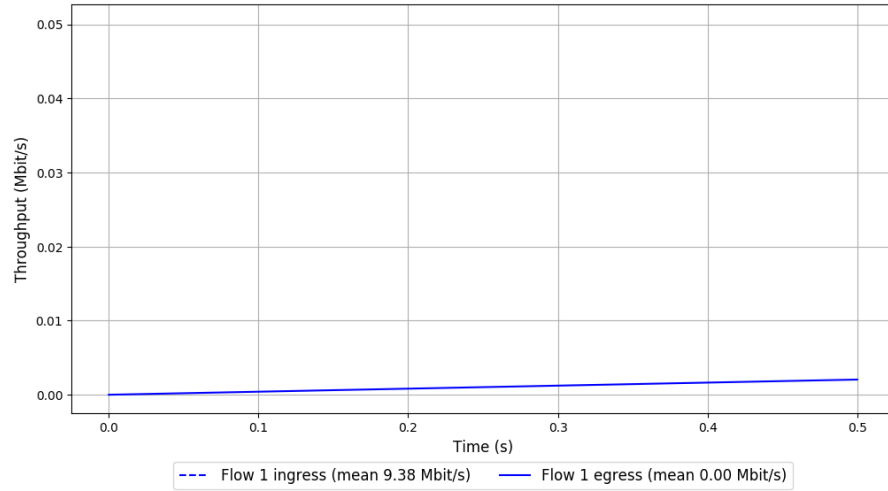
Start at: 2019-04-23 19:38:16

End at: 2019-04-23 19:38:46

Local clock offset: -8.7 ms

Remote clock offset: 1.698 ms

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



Run 3: Statistics of TaoVA-100x

Start at: 2019-04-23 20:07:12

End at: 2019-04-23 20:07:42

Local clock offset: -1.5 ms

Remote clock offset: -2.299 ms

Below is generated by plot.py at 2019-04-23 22:20:21

Datalink statistics

-- Total of 1 flow:

Average throughput: 4.91 Mbit/s

95th percentile per-packet one-way delay: 1.232 ms

Loss rate: 0.00%

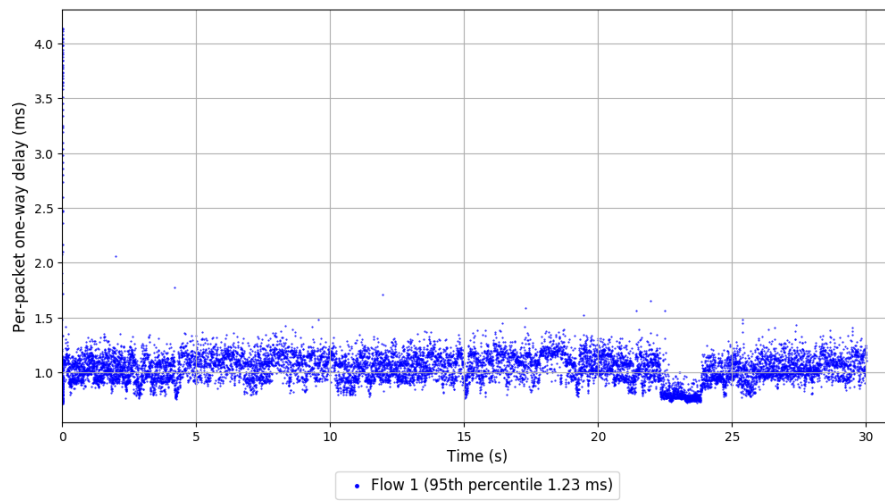
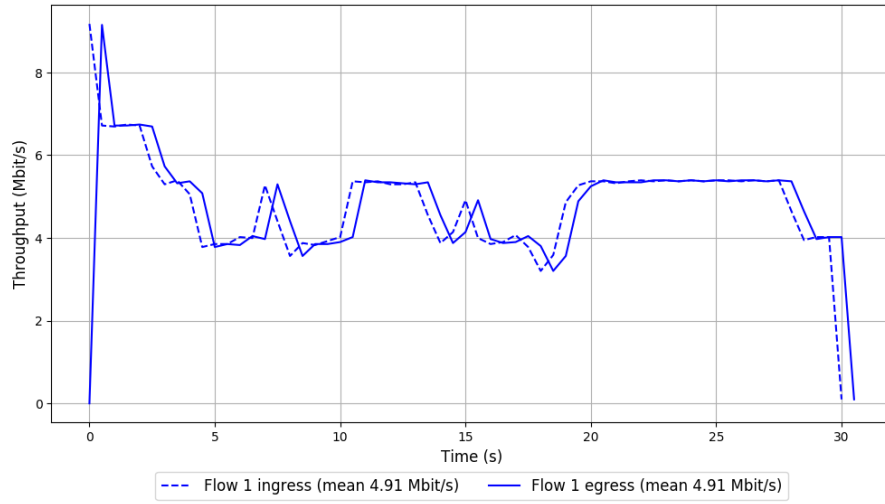
-- Flow 1:

Average throughput: 4.91 Mbit/s

95th percentile per-packet one-way delay: 1.232 ms

Loss rate: 0.00%

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



Run 4: Statistics of TaoVA-100x

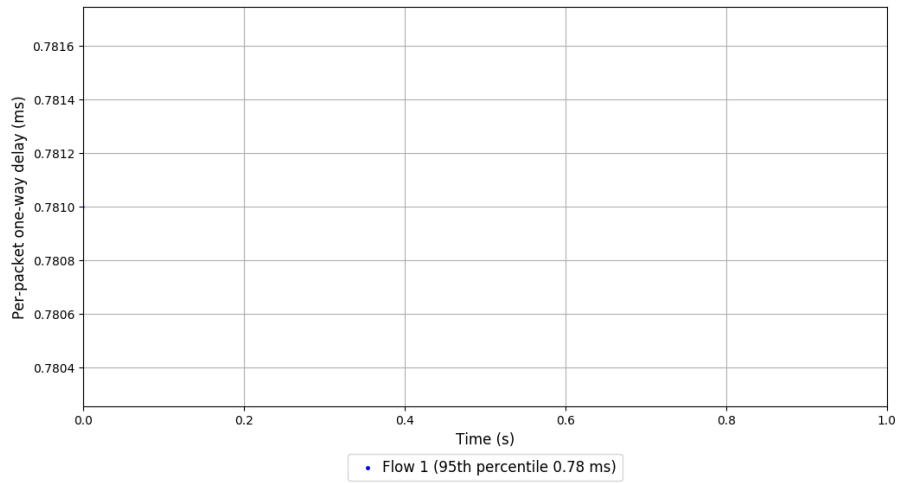
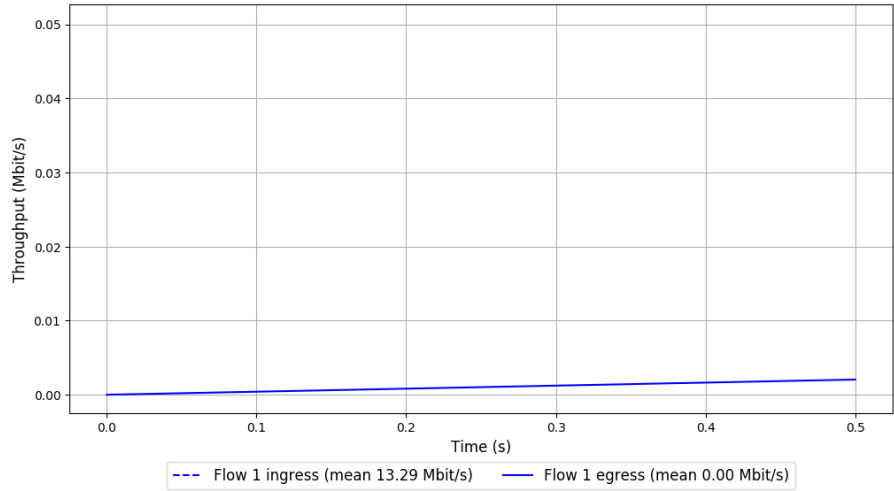
Start at: 2019-04-23 20:36:05

End at: 2019-04-23 20:36:35

Local clock offset: -2.234 ms

Remote clock offset: 2.778 ms

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



Run 5: Statistics of TaoVA-100x

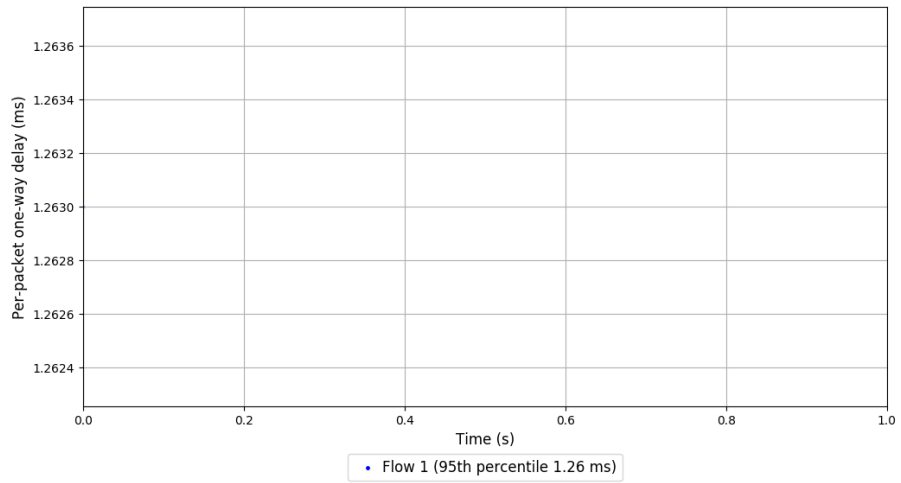
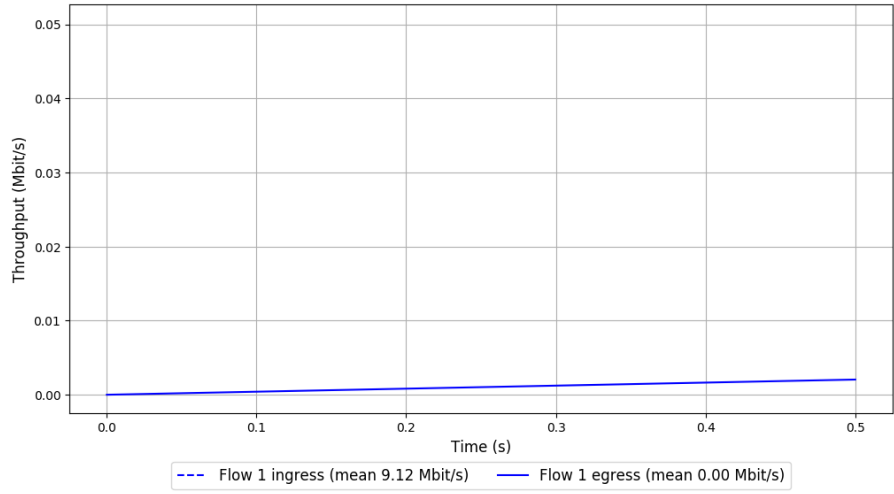
Start at: 2019-04-23 21:04:43

End at: 2019-04-23 21:05:13

Local clock offset: -0.719 ms

Remote clock offset: -0.594 ms

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



Run 1: Statistics of TCP Vegas

Start at: 2019-04-23 19:21:56
End at: 2019-04-23 19:22:26
Local clock offset: -10.951 ms
Remote clock offset: 1.801 ms

Below is generated by plot.py at 2019-04-23 22:20:21

Datalink statistics

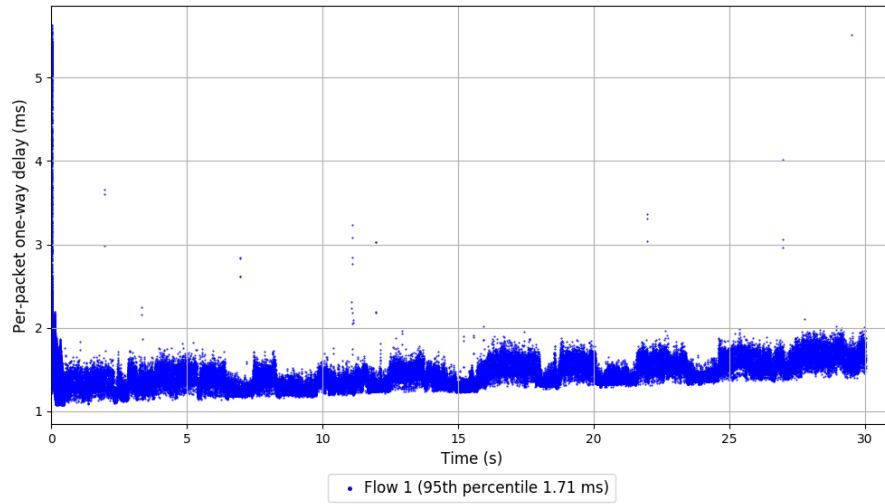
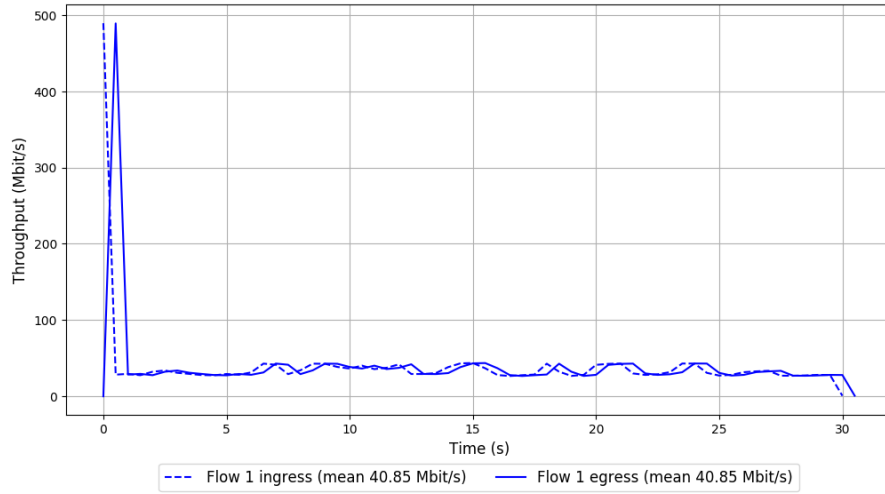
-- Total of 1 flow:

Average throughput: 40.85 Mbit/s
95th percentile per-packet one-way delay: 1.713 ms
Loss rate: 0.01%

-- Flow 1:

Average throughput: 40.85 Mbit/s
95th percentile per-packet one-way delay: 1.713 ms
Loss rate: 0.01%

Run 1: Report of TCP Vegas — Data Link



Run 2: Statistics of TCP Vegas

Start at: 2019-04-23 19:50:35
End at: 2019-04-23 19:51:05
Local clock offset: -5.186 ms
Remote clock offset: -0.794 ms

Below is generated by plot.py at 2019-04-23 22:20:21

Datalink statistics

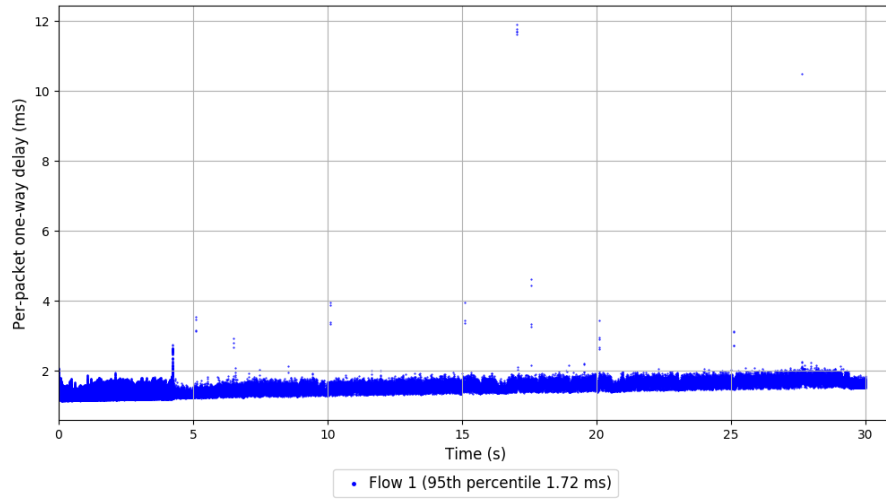
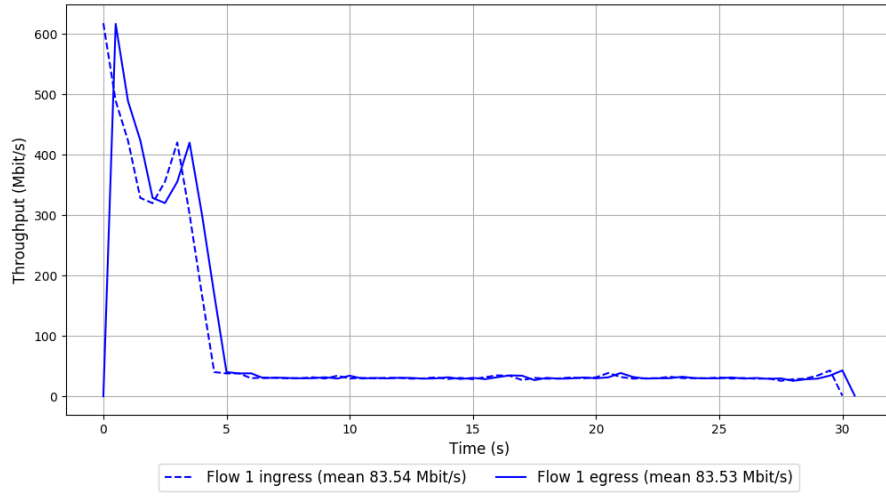
-- Total of 1 flow:

Average throughput: 83.53 Mbit/s
95th percentile per-packet one-way delay: 1.717 ms
Loss rate: 0.00%

-- Flow 1:

Average throughput: 83.53 Mbit/s
95th percentile per-packet one-way delay: 1.717 ms
Loss rate: 0.00%

Run 2: Report of TCP Vegas — Data Link



Run 3: Statistics of TCP Vegas

Start at: 2019-04-23 20:19:31

End at: 2019-04-23 20:20:01

Local clock offset: -1.641 ms

Remote clock offset: 0.572 ms

Below is generated by plot.py at 2019-04-23 22:20:21

Datalink statistics

-- Total of 1 flow:

Average throughput: 41.01 Mbit/s

95th percentile per-packet one-way delay: 2.008 ms

Loss rate: 0.01%

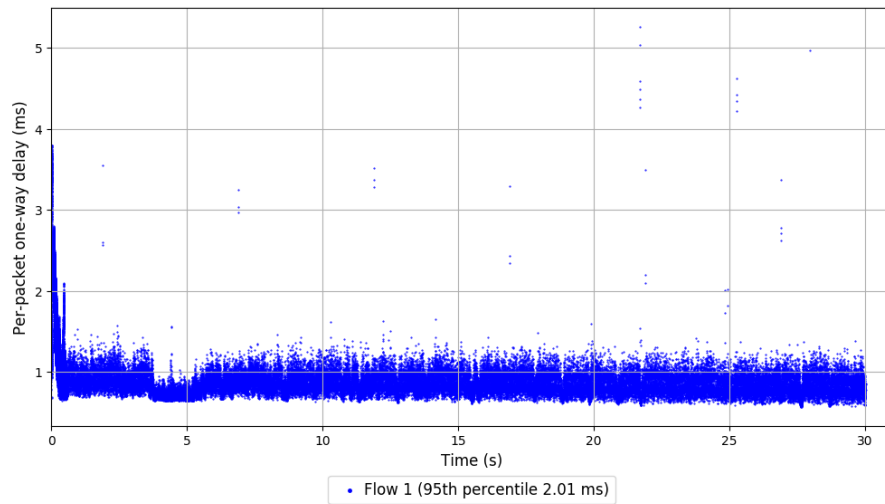
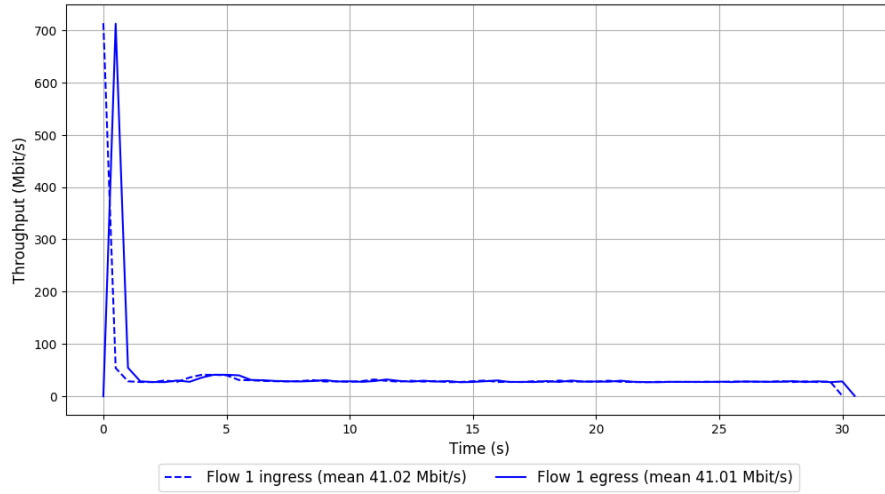
-- Flow 1:

Average throughput: 41.01 Mbit/s

95th percentile per-packet one-way delay: 2.008 ms

Loss rate: 0.01%

Run 3: Report of TCP Vegas — Data Link



Run 4: Statistics of TCP Vegas

Start at: 2019-04-23 20:48:14

End at: 2019-04-23 20:48:44

Local clock offset: -2.209 ms

Remote clock offset: 2.342 ms

Below is generated by plot.py at 2019-04-23 22:20:21

Datalink statistics

-- Total of 1 flow:

Average throughput: 30.81 Mbit/s

95th percentile per-packet one-way delay: 1.619 ms

Loss rate: 0.02%

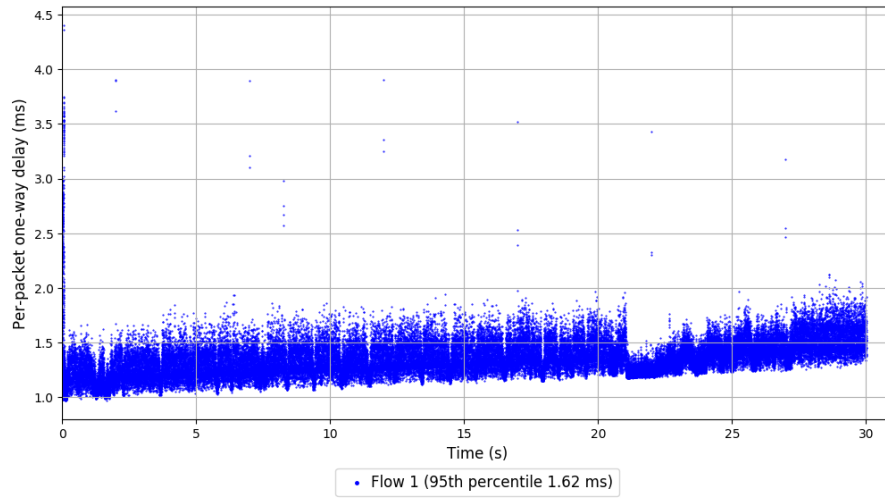
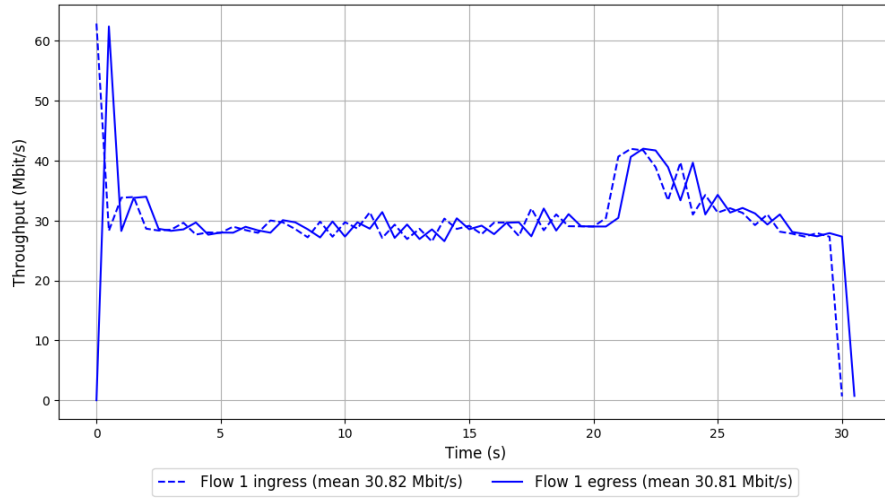
-- Flow 1:

Average throughput: 30.81 Mbit/s

95th percentile per-packet one-way delay: 1.619 ms

Loss rate: 0.02%

Run 4: Report of TCP Vegas — Data Link

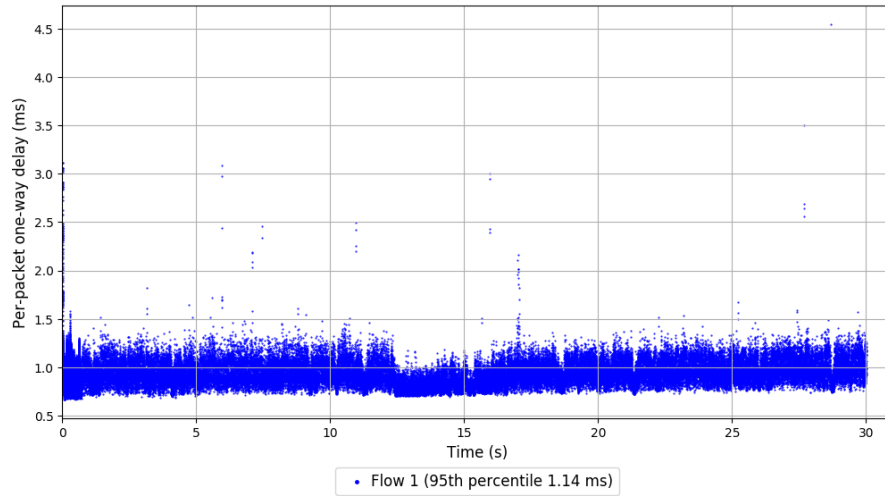
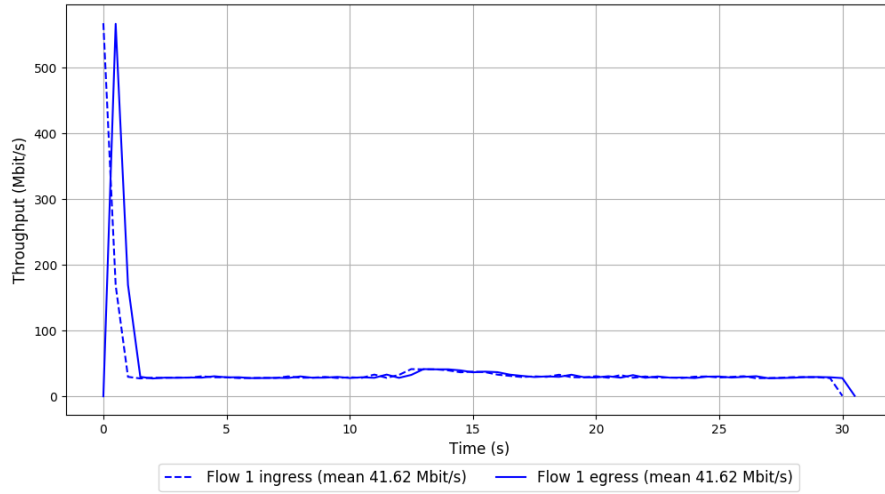


Run 5: Statistics of TCP Vegas

Start at: 2019-04-23 21:16:52
End at: 2019-04-23 21:17:22
Local clock offset: -0.839 ms
Remote clock offset: -1.452 ms

```
# Below is generated by plot.py at 2019-04-23 22:20:21
# Datalink statistics
-- Total of 1 flow:
Average throughput: 41.62 Mbit/s
95th percentile per-packet one-way delay: 1.144 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 41.62 Mbit/s
95th percentile per-packet one-way delay: 1.144 ms
Loss rate: 0.00%
```

Run 5: Report of TCP Vegas — Data Link



Run 1: Statistics of Verus

Start at: 2019-04-23 19:25:52

End at: 2019-04-23 19:26:22

Local clock offset: -8.933 ms

Remote clock offset: 1.842 ms

Below is generated by plot.py at 2019-04-23 22:20:21

Datalink statistics

-- Total of 1 flow:

Average throughput: 249.77 Mbit/s

95th percentile per-packet one-way delay: 4.828 ms

Loss rate: 0.95%

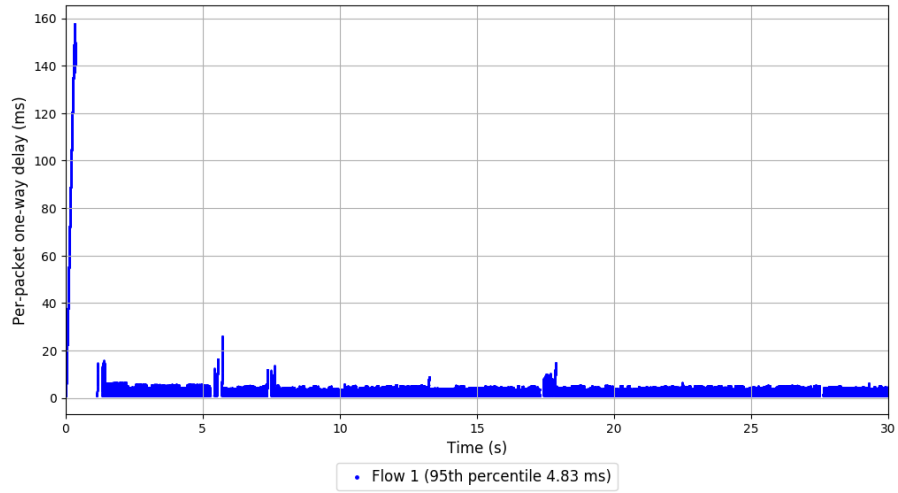
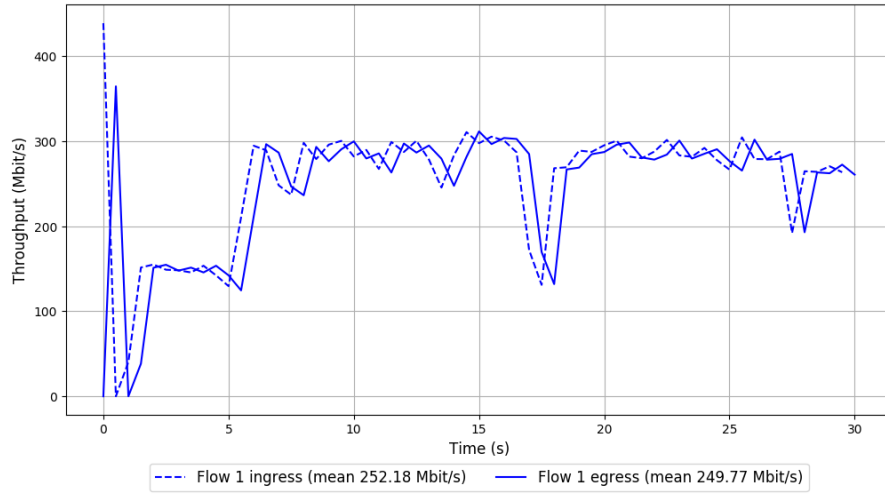
-- Flow 1:

Average throughput: 249.77 Mbit/s

95th percentile per-packet one-way delay: 4.828 ms

Loss rate: 0.95%

Run 1: Report of Verus — Data Link



Run 2: Statistics of Verus

Start at: 2019-04-23 19:54:34

End at: 2019-04-23 19:55:04

Local clock offset: -3.09 ms

Remote clock offset: -1.242 ms

Below is generated by plot.py at 2019-04-23 22:20:21

Datalink statistics

-- Total of 1 flow:

Average throughput: 268.92 Mbit/s

95th percentile per-packet one-way delay: 5.163 ms

Loss rate: 0.74%

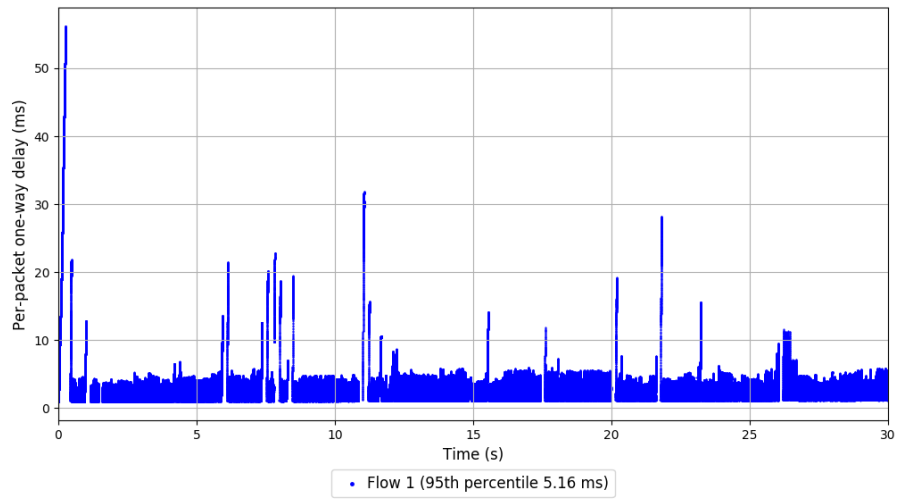
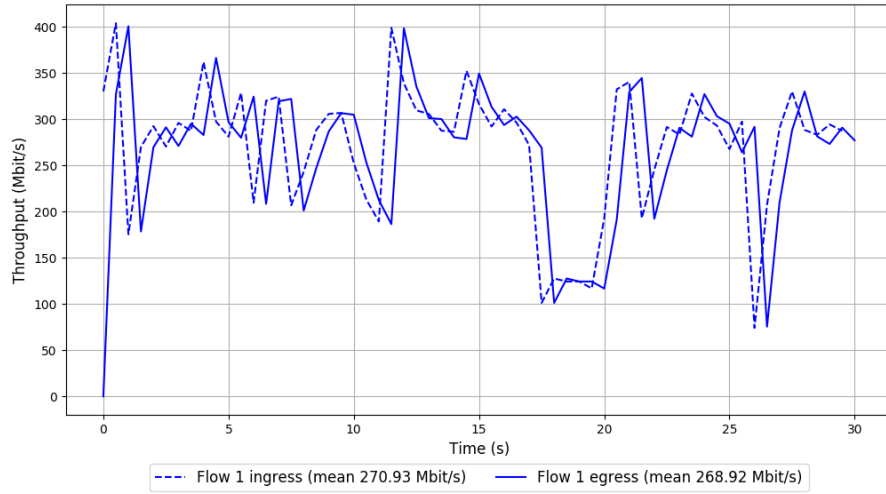
-- Flow 1:

Average throughput: 268.92 Mbit/s

95th percentile per-packet one-way delay: 5.163 ms

Loss rate: 0.74%

Run 2: Report of Verus — Data Link



Run 3: Statistics of Verus

Start at: 2019-04-23 20:23:27

End at: 2019-04-23 20:23:57

Local clock offset: -1.554 ms

Remote clock offset: 1.482 ms

Below is generated by plot.py at 2019-04-23 22:20:21

Datalink statistics

-- Total of 1 flow:

Average throughput: 204.85 Mbit/s

95th percentile per-packet one-way delay: 4.848 ms

Loss rate: 0.25%

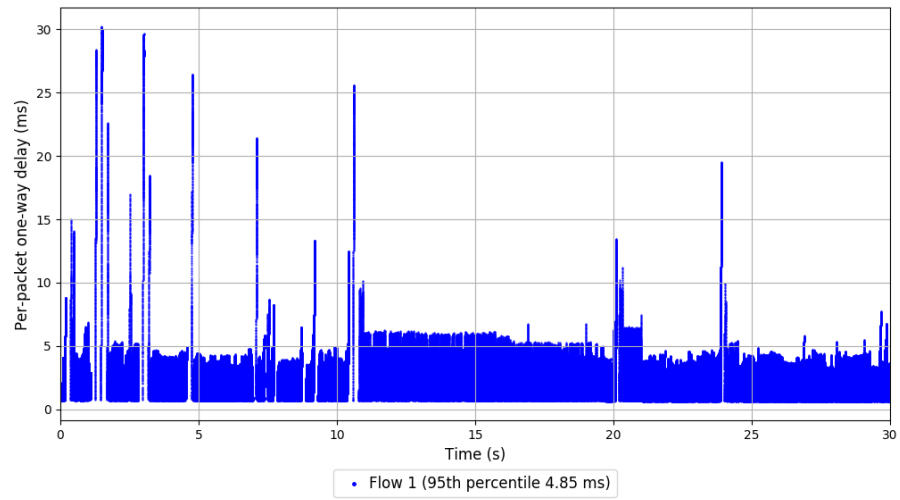
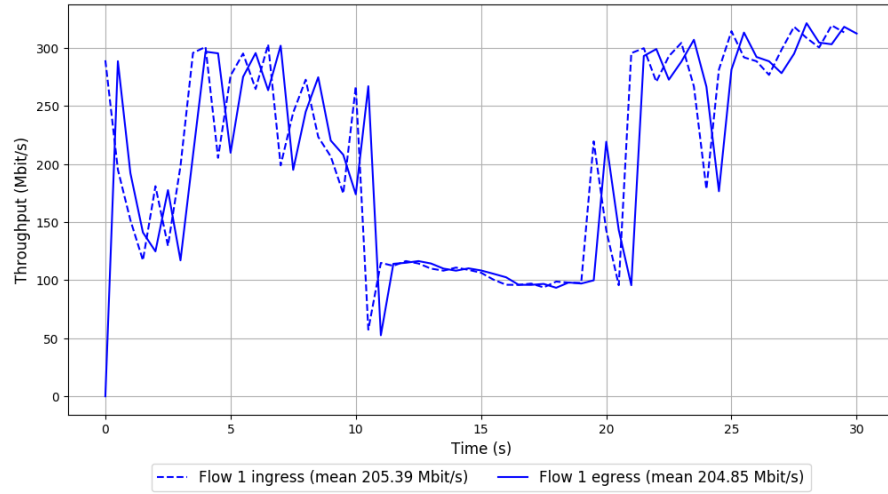
-- Flow 1:

Average throughput: 204.85 Mbit/s

95th percentile per-packet one-way delay: 4.848 ms

Loss rate: 0.25%

Run 3: Report of Verus — Data Link



Run 4: Statistics of Verus

Start at: 2019-04-23 20:52:08

End at: 2019-04-23 20:52:38

Local clock offset: -1.405 ms

Remote clock offset: 1.16 ms

Below is generated by plot.py at 2019-04-23 22:20:21

Datalink statistics

-- Total of 1 flow:

Average throughput: 138.28 Mbit/s

95th percentile per-packet one-way delay: 7.525 ms

Loss rate: 1.81%

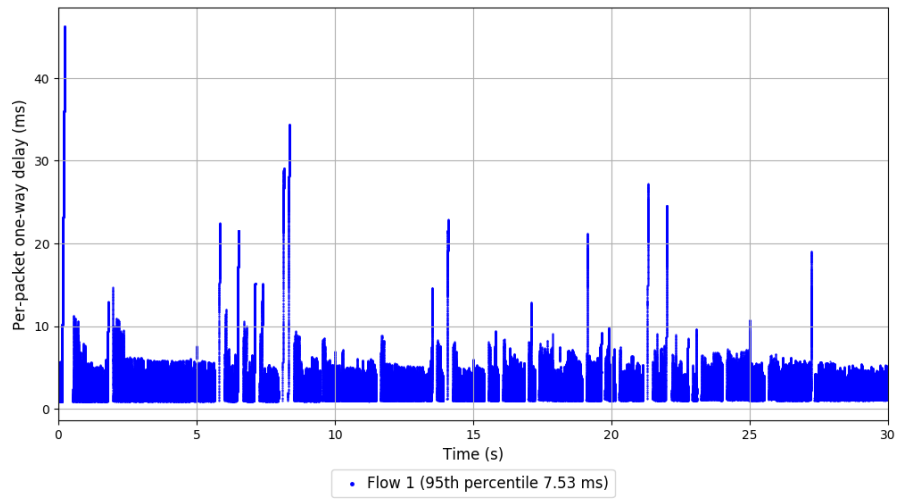
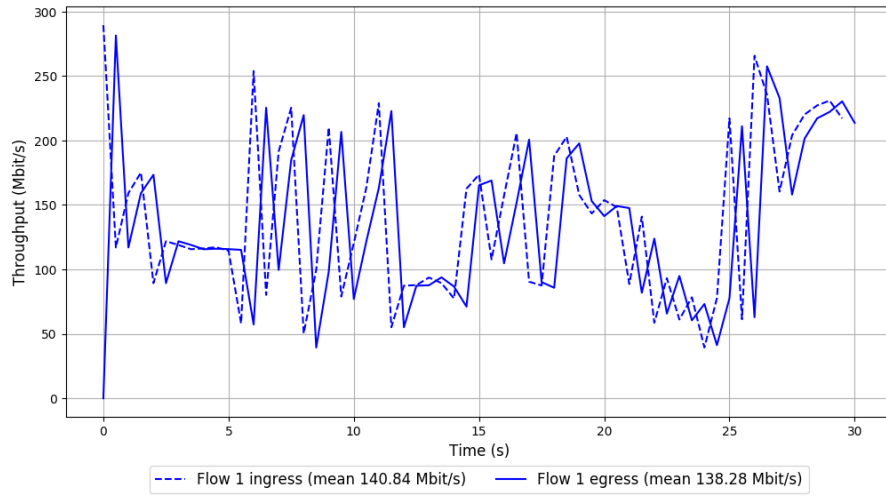
-- Flow 1:

Average throughput: 138.28 Mbit/s

95th percentile per-packet one-way delay: 7.525 ms

Loss rate: 1.81%

Run 4: Report of Verus — Data Link

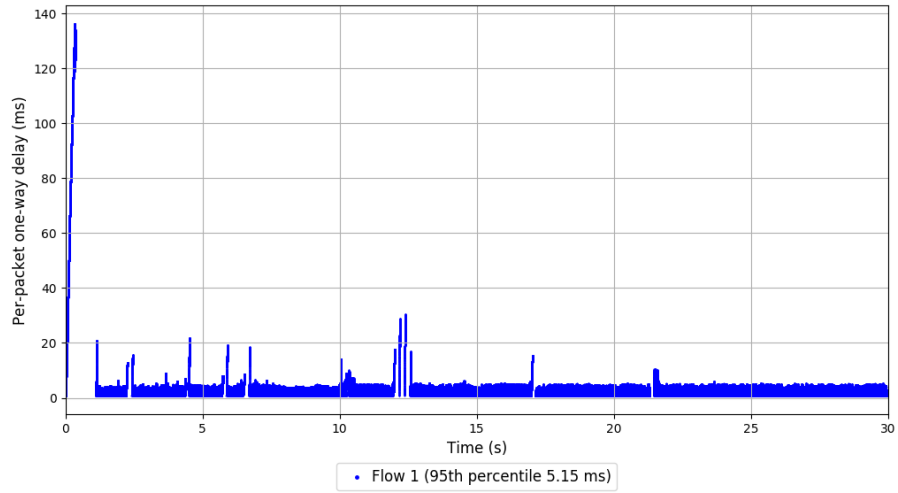
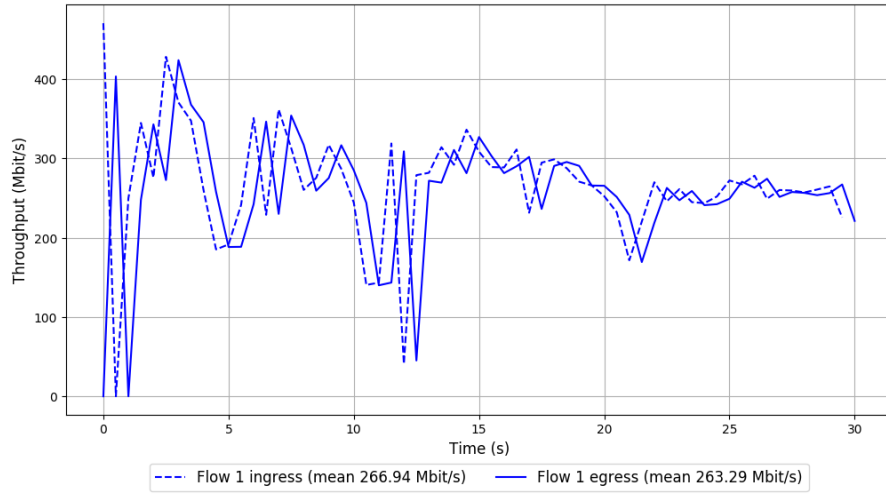


Run 5: Statistics of Verus

Start at: 2019-04-23 21:20:49
End at: 2019-04-23 21:21:19
Local clock offset: -0.617 ms
Remote clock offset: -1.439 ms

Below is generated by plot.py at 2019-04-23 22:20:21
Datalink statistics
-- Total of 1 flow:
Average throughput: 263.29 Mbit/s
95th percentile per-packet one-way delay: 5.146 ms
Loss rate: 1.36%
-- Flow 1:
Average throughput: 263.29 Mbit/s
95th percentile per-packet one-way delay: 5.146 ms
Loss rate: 1.36%

Run 5: Report of Verus — Data Link



Run 1: Statistics of PCC-Vivace

Start at: 2019-04-23 19:13:36
End at: 2019-04-23 19:14:06
Local clock offset: -18.378 ms
Remote clock offset: 1.736 ms

Below is generated by plot.py at 2019-04-23 22:20:21

Datalink statistics

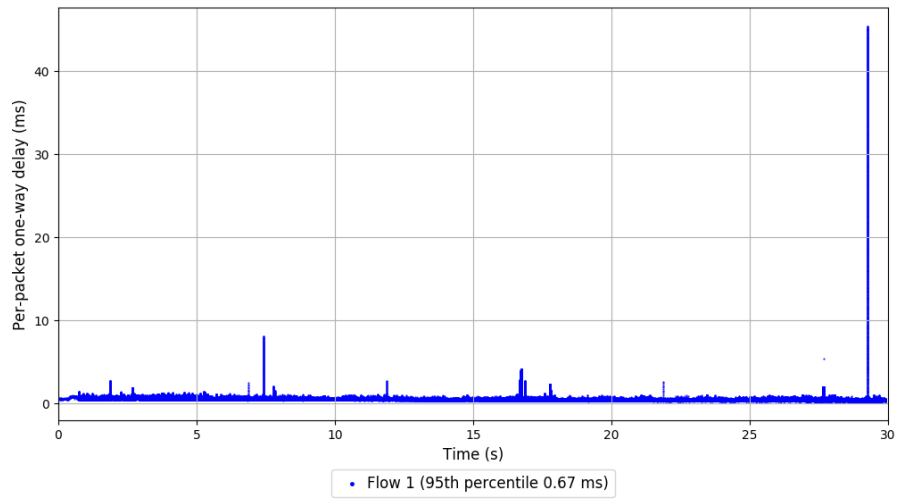
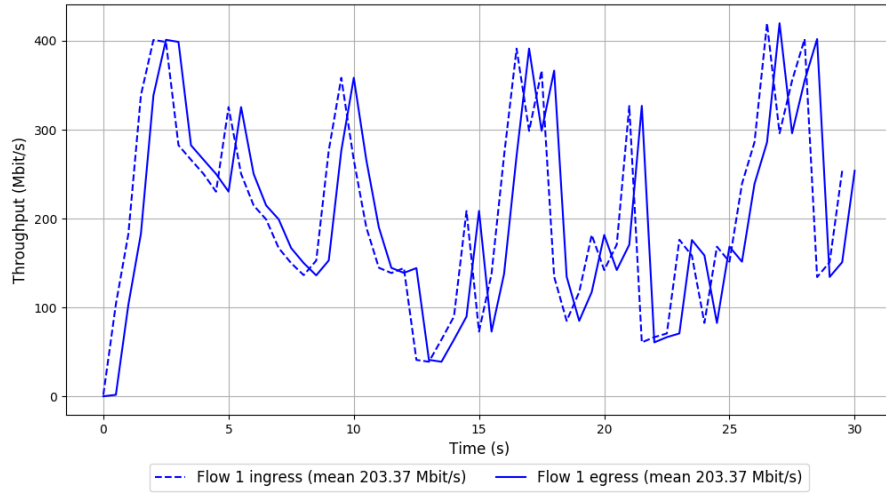
-- Total of 1 flow:

Average throughput: 203.37 Mbit/s
95th percentile per-packet one-way delay: 0.671 ms
Loss rate: 0.00%

-- Flow 1:

Average throughput: 203.37 Mbit/s
95th percentile per-packet one-way delay: 0.671 ms
Loss rate: 0.00%

Run 1: Report of PCC-Vivace — Data Link



Run 2: Statistics of PCC-Vivace

Start at: 2019-04-23 19:42:08

End at: 2019-04-23 19:42:38

Local clock offset: -9.496 ms

Remote clock offset: 0.628 ms

Below is generated by plot.py at 2019-04-23 22:20:21

Datalink statistics

-- Total of 1 flow:

Average throughput: 219.65 Mbit/s

95th percentile per-packet one-way delay: 1.218 ms

Loss rate: 0.00%

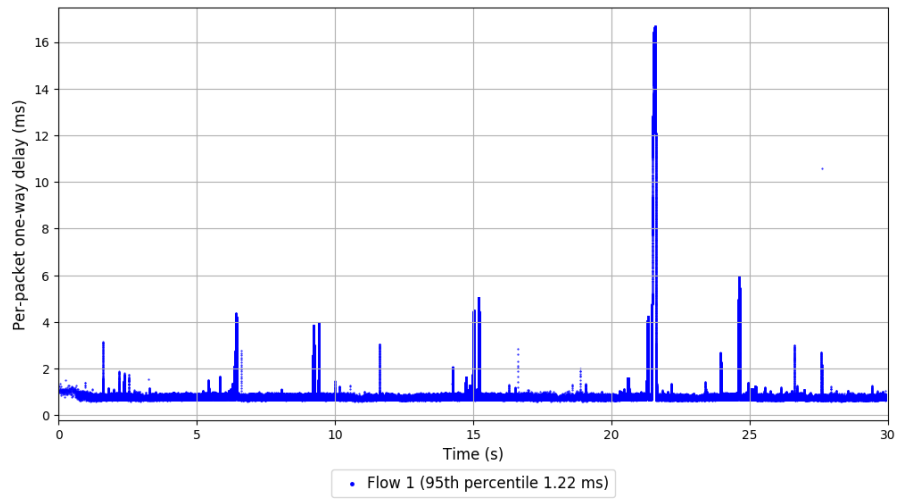
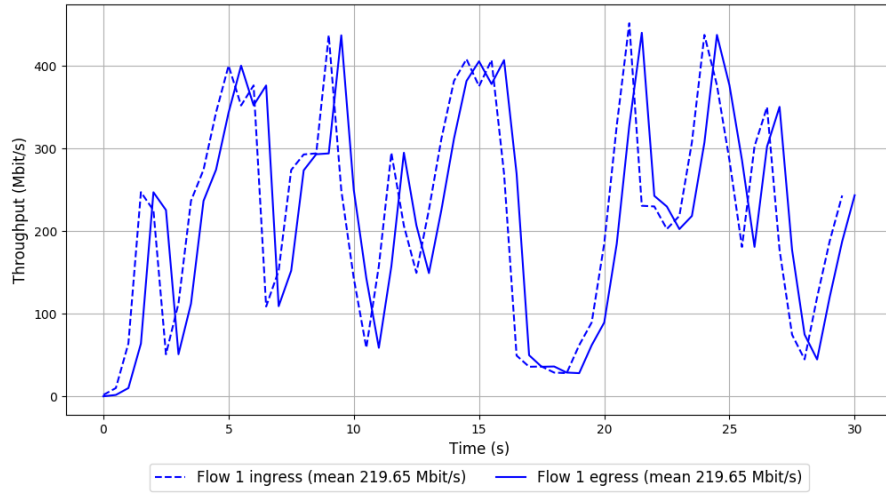
-- Flow 1:

Average throughput: 219.65 Mbit/s

95th percentile per-packet one-way delay: 1.218 ms

Loss rate: 0.00%

Run 2: Report of PCC-Vivace — Data Link



Run 3: Statistics of PCC-Vivace

Start at: 2019-04-23 20:11:02

End at: 2019-04-23 20:11:32

Local clock offset: -1.671 ms

Remote clock offset: -2.474 ms

Below is generated by plot.py at 2019-04-23 22:20:48

Datalink statistics

-- Total of 1 flow:

Average throughput: 214.41 Mbit/s

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

Loss rate: 0.00%

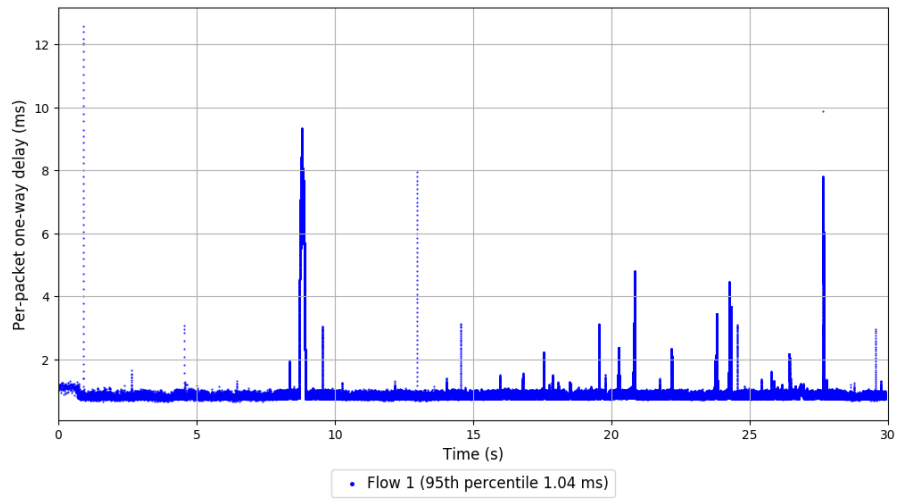
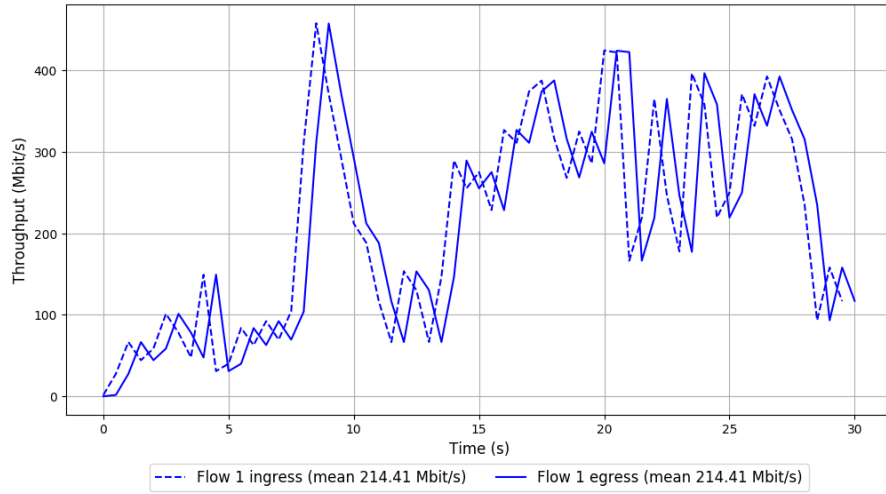
-- Flow 1:

Average throughput: 214.41 Mbit/s

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

Loss rate: 0.00%

Run 3: Report of PCC-Vivace — Data Link



Run 4: Statistics of PCC-Vivace

Start at: 2019-04-23 20:39:53

End at: 2019-04-23 20:40:23

Local clock offset: -2.598 ms

Remote clock offset: 2.977 ms

Below is generated by plot.py at 2019-04-23 22:20:49

Datalink statistics

-- Total of 1 flow:

Average throughput: 163.58 Mbit/s

95th percentile per-packet one-way delay: 1.126 ms

Loss rate: 0.00%

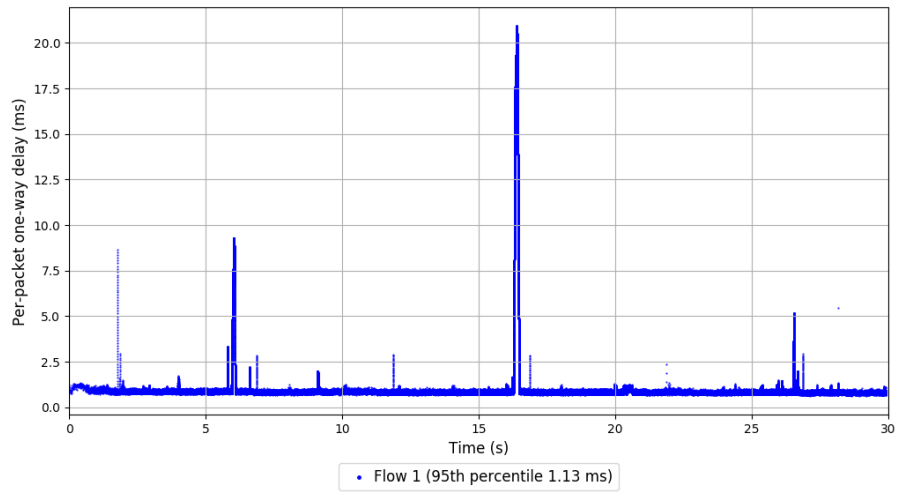
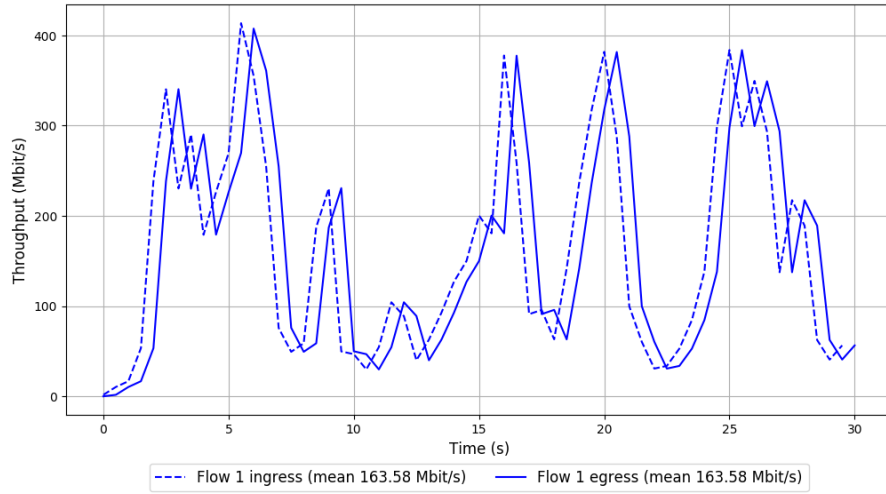
-- Flow 1:

Average throughput: 163.58 Mbit/s

95th percentile per-packet one-way delay: 1.126 ms

Loss rate: 0.00%

Run 4: Report of PCC-Vivace — Data Link



Run 5: Statistics of PCC-Vivace

Start at: 2019-04-23 21:08:33

End at: 2019-04-23 21:09:03

Local clock offset: -0.775 ms

Remote clock offset: -0.922 ms

Below is generated by plot.py at 2019-04-23 22:20:50

Datalink statistics

-- Total of 1 flow:

Average throughput: 129.06 Mbit/s

95th percentile per-packet one-way delay: 0.984 ms

Loss rate: 0.01%

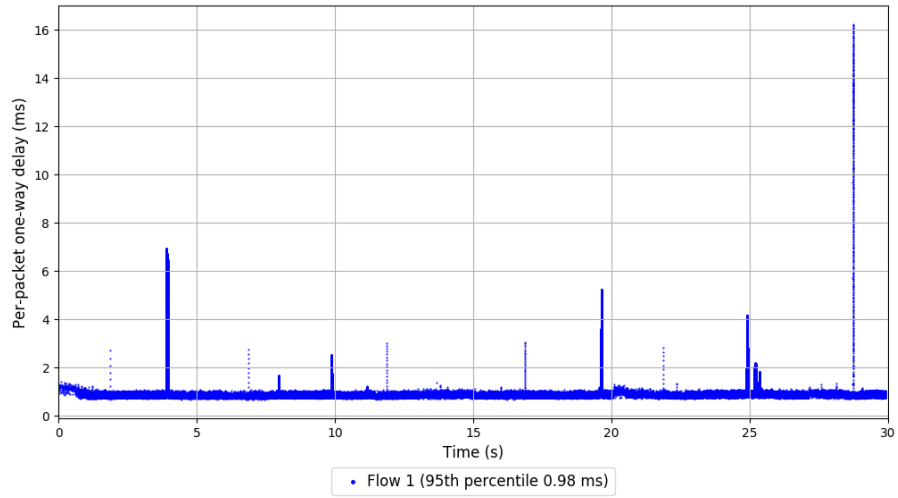
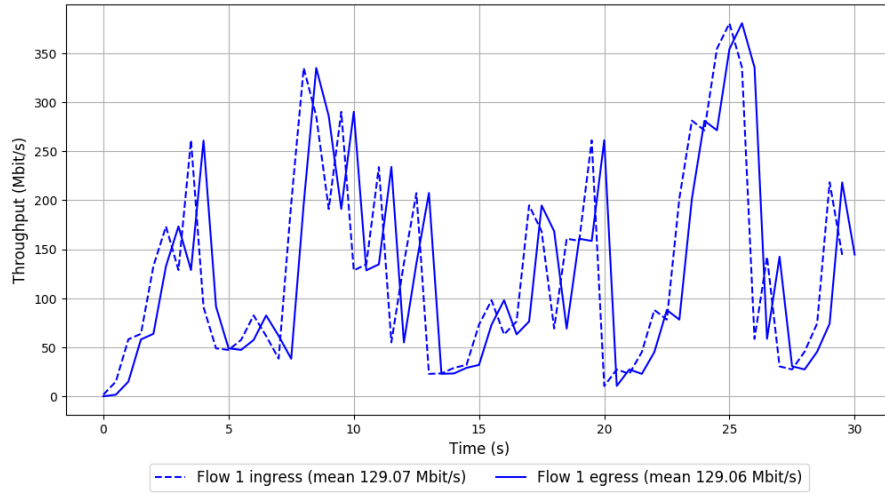
-- Flow 1:

Average throughput: 129.06 Mbit/s

95th percentile per-packet one-way delay: 0.984 ms

Loss rate: 0.01%

Run 5: Report of PCC-Vivace — Data Link

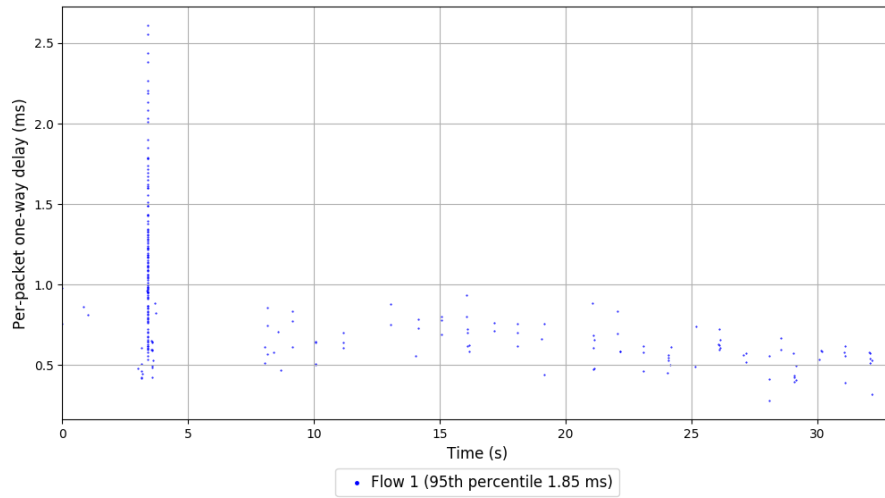
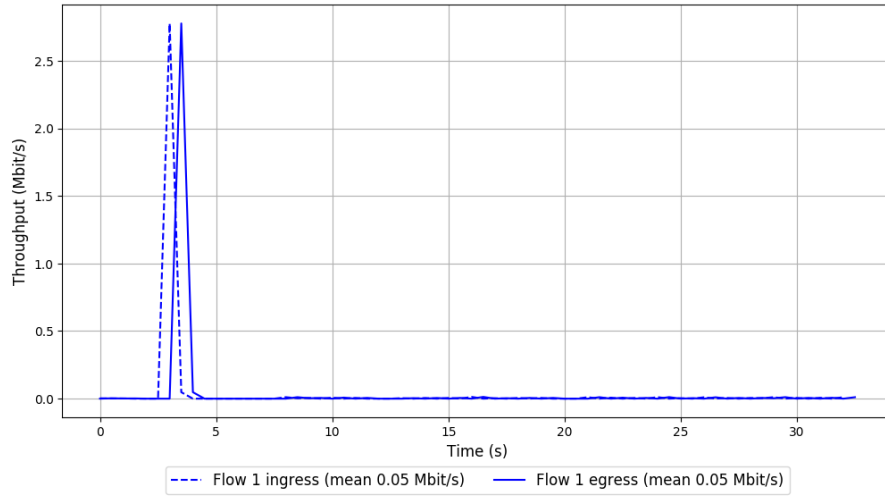


Run 1: Statistics of WebRTC media

Start at: 2019-04-23 19:08:33
End at: 2019-04-23 19:09:03
Local clock offset: -16.214 ms
Remote clock offset: 1.624 ms

Below is generated by plot.py at 2019-04-23 22:20:50
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 1.848 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 1.848 ms
Loss rate: 0.00%

Run 1: Report of WebRTC media — Data Link



Run 2: Statistics of WebRTC media

Start at: 2019-04-23 19:37:03

End at: 2019-04-23 19:37:33

Local clock offset: -8.538 ms

Remote clock offset: 1.82 ms

Below is generated by plot.py at 2019-04-23 22:20:50

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.05 Mbit/s

95th percentile per-packet one-way delay: 1.950 ms

Loss rate: 0.00%

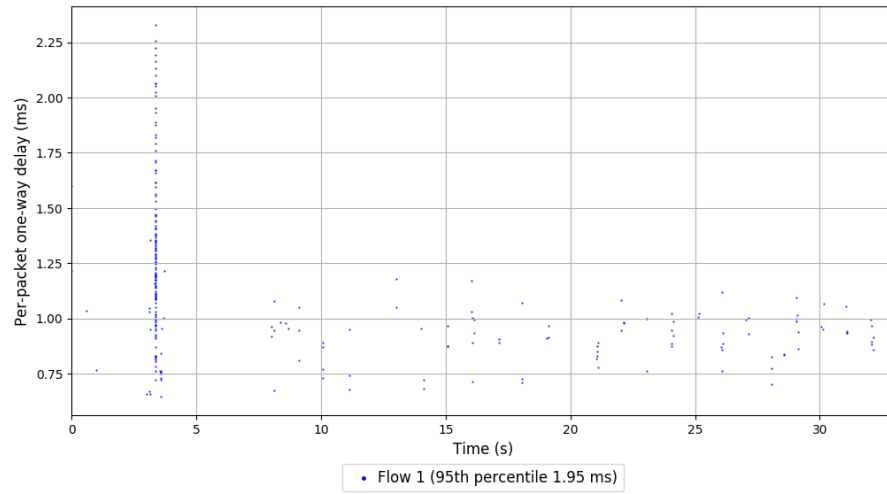
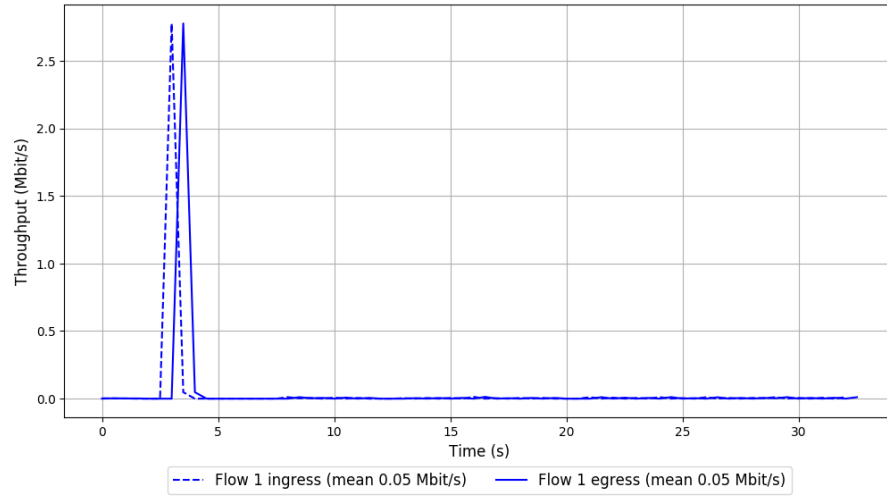
-- Flow 1:

Average throughput: 0.05 Mbit/s

95th percentile per-packet one-way delay: 1.950 ms

Loss rate: 0.00%

Run 2: Report of WebRTC media — Data Link



Run 3: Statistics of WebRTC media

Start at: 2019-04-23 20:05:59

End at: 2019-04-23 20:06:29

Local clock offset: -1.45 ms

Remote clock offset: -2.24 ms

Below is generated by plot.py at 2019-04-23 22:20:50

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.05 Mbit/s

95th percentile per-packet one-way delay: 4.406 ms

Loss rate: 0.00%

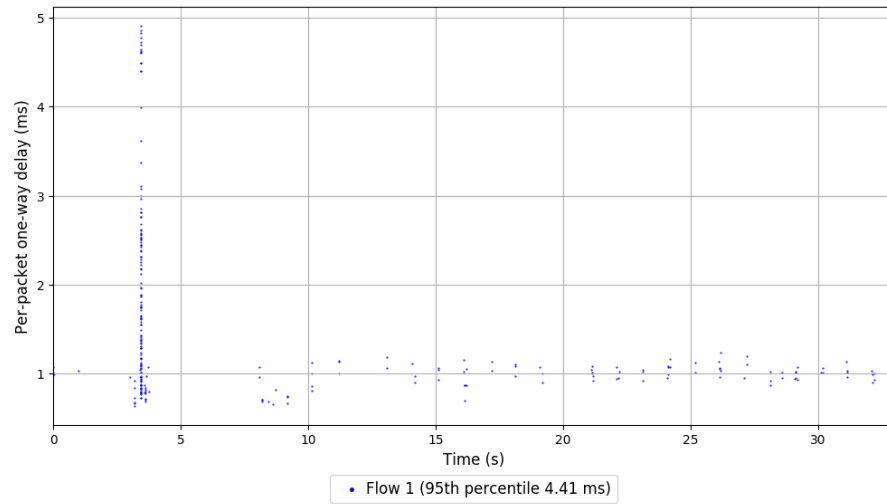
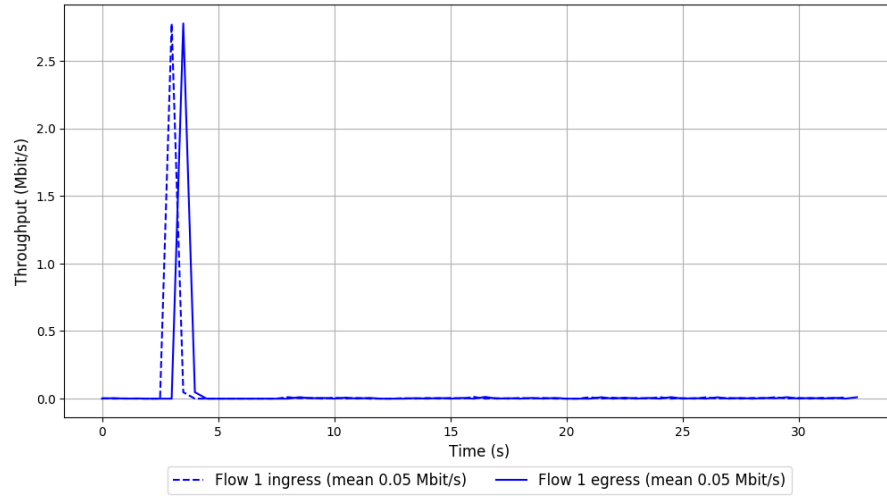
-- Flow 1:

Average throughput: 0.05 Mbit/s

95th percentile per-packet one-way delay: 4.406 ms

Loss rate: 0.00%

Run 3: Report of WebRTC media — Data Link



Run 4: Statistics of WebRTC media

Start at: 2019-04-23 20:34:52

End at: 2019-04-23 20:35:22

Local clock offset: -2.117 ms

Remote clock offset: 2.703 ms

Below is generated by plot.py at 2019-04-23 22:20:50

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.05 Mbit/s

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

Loss rate: 0.00%

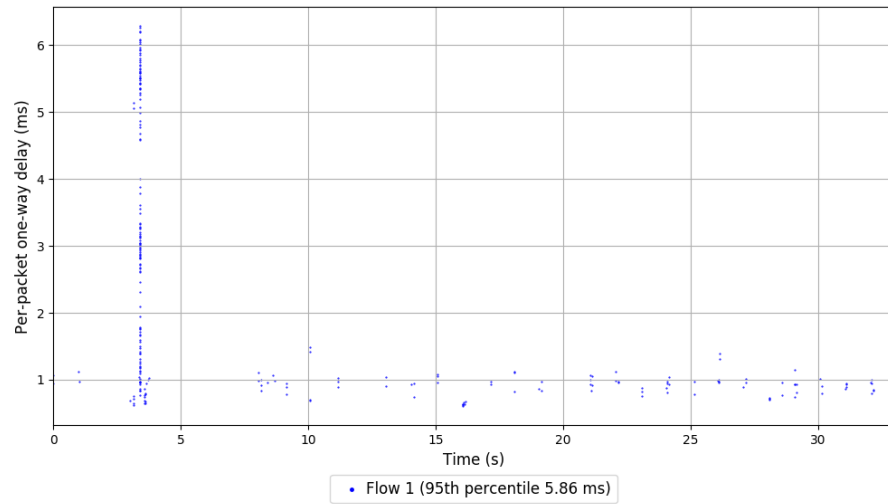
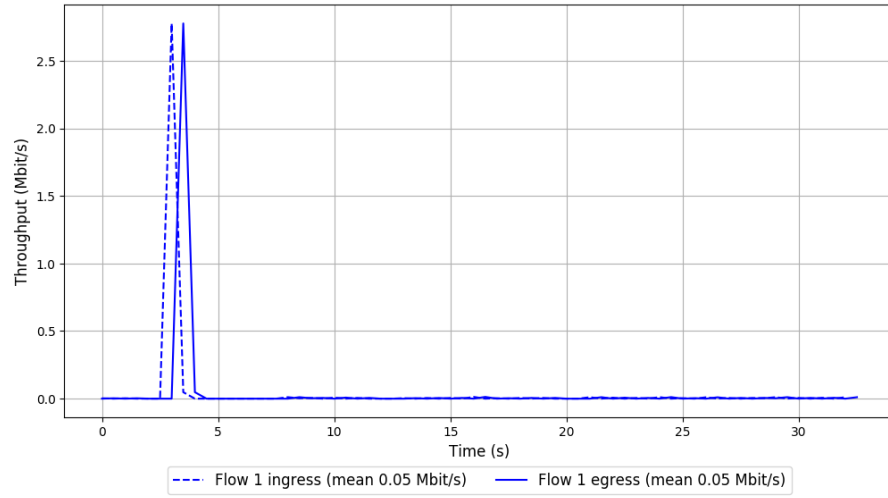
-- Flow 1:

Average throughput: 0.05 Mbit/s

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

Loss rate: 0.00%

Run 4: Report of WebRTC media — Data Link



Run 5: Statistics of WebRTC media

Start at: 2019-04-23 21:03:30
End at: 2019-04-23 21:04:00
Local clock offset: -0.743 ms
Remote clock offset: -0.489 ms

```
# Below is generated by plot.py at 2019-04-23 22:20:50
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 3.301 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 3.301 ms
Loss rate: 0.00%
```

Run 5: Report of WebRTC media — Data Link

