

Pantheon Report

Generated at 2019-05-30 07:55:51 (UTC).

Data path: India on em1 (*remote*) → AWS India 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 `nets.org.sg` and have been applied to correct the timestamps in logs.

System info:

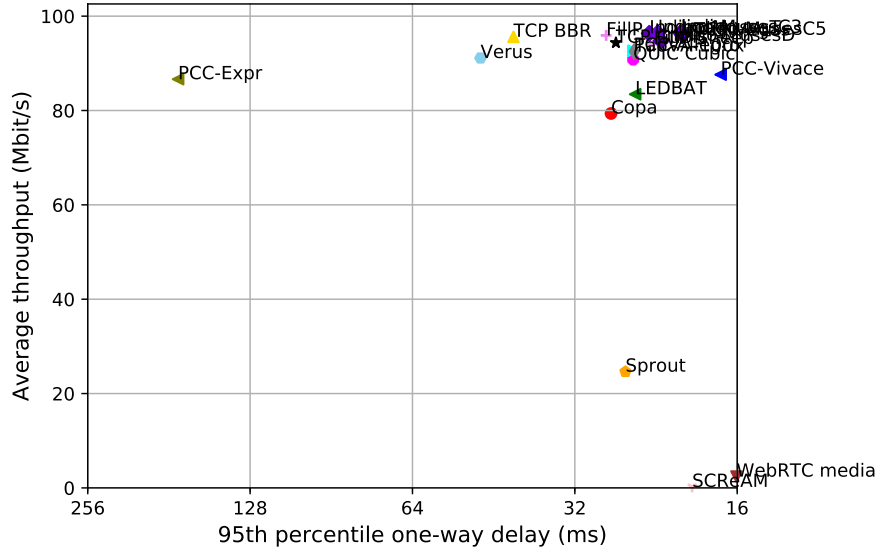
```
Linux 4.15.0-1035-aws
net.core.default_qdisc = fq
net.core.rmem_default = 16777216
net.core.rmem_max = 536870912
net.core.wmem_default = 16777216
net.core.wmem_max = 536870912
net.ipv4.tcp_rmem = 4096 16777216 536870912
net.ipv4.tcp_wmem = 4096 16777216 536870912
```

Git summary:

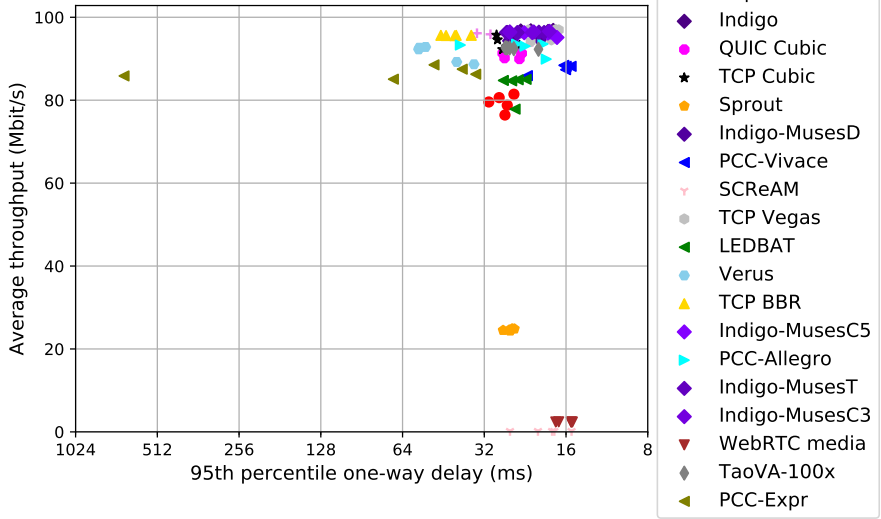
```
branch: muses @ 7a686f7c2ed0a333082c0bab1fa5c921ab47e6ee
third_party/fillp @ d6da1459332fcee56963885d7eba17e6a32d4519
third_party/fillp-sheep @ 0e5bb722943babcd2b090d2c64fcd45e12e923f9
third_party/genericCC @ d0153f8e594aa89e93b032143cedbdf58e562f4
third_party/indigo @ 2601c92e4aa9d58d38dc4dfe0ecdbf90c077e64d
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 India to AWS India 1, 5 runs of 30s each per scheme
(mean of all runs by scheme)



test from India to AWS India 1, 5 runs of 30s each per 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	95.62	41.58	1.20
Copa	5	79.37	27.42	0.12
TCP Cubic	5	94.36	26.86	0.11
FillP	5	95.93	27.99	0.13
FillP-Sheep	5	94.12	22.85	0.09
Indigo	5	96.50	20.36	0.09
Indigo-MusesC3	5	96.44	22.46	0.10
Indigo-MusesC5	5	96.05	20.22	0.09
Indigo-MusesD	5	94.76	22.14	0.09
Indigo-MusesT	5	96.35	23.28	0.10
LEDBAT	5	83.45	24.74	0.14
PCC-Allegro	5	92.66	24.91	0.11
PCC-Expr	5	86.64	174.10	0.34
QUIC Cubic	5	90.80	24.94	0.11
SReAM	5	0.21	19.39	0.10
Sprout	5	24.64	25.78	0.09
TaoVA-100x	5	92.51	24.84	0.08
TCP Vegas	5	95.92	19.25	0.10
Verus	5	91.13	47.87	0.28
PCC-Vivace	5	87.60	17.17	0.09
WebRTC media	5	2.39	16.05	0.09

Run 1: Statistics of TCP BBR

Start at: 2019-05-30 05:48:29

End at: 2019-05-30 05:48:59

Local clock offset: -1.038 ms

Remote clock offset: 5.959 ms

Below is generated by plot.py at 2019-05-30 07:42:54

Datalink statistics

-- Total of 1 flow:

Average throughput: 95.57 Mbit/s

95th percentile per-packet one-way delay: 41.077 ms

Loss rate: 1.27%

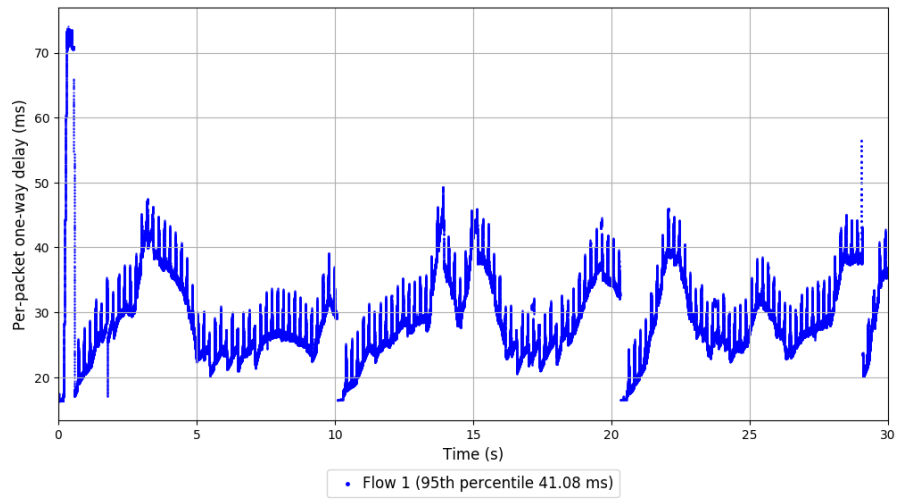
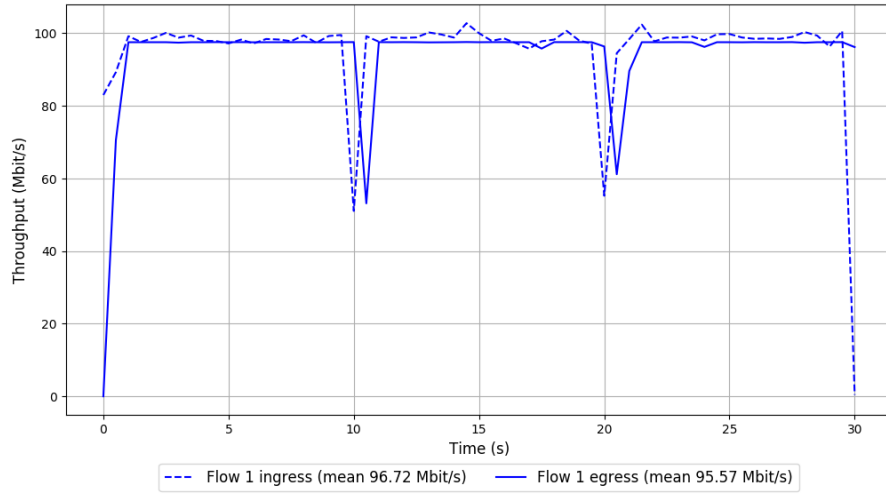
-- Flow 1:

Average throughput: 95.57 Mbit/s

95th percentile per-packet one-way delay: 41.077 ms

Loss rate: 1.27%

Run 1: Report of TCP BBR — Data Link



Run 2: Statistics of TCP BBR

Start at: 2019-05-30 06:13:32

End at: 2019-05-30 06:14:02

Local clock offset: -2.423 ms

Remote clock offset: 7.673 ms

Below is generated by plot.py at 2019-05-30 07:42:55

Datalink statistics

-- Total of 1 flow:

Average throughput: 95.64 Mbit/s

95th percentile per-packet one-way delay: 40.607 ms

Loss rate: 1.18%

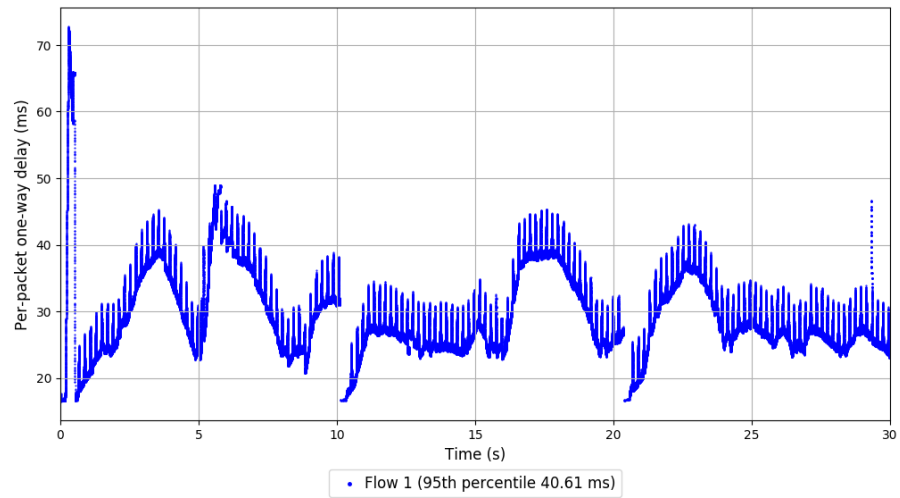
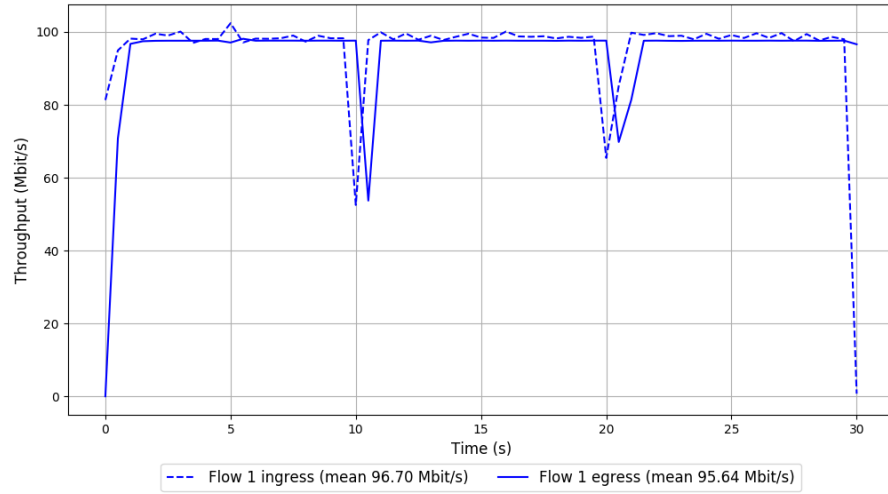
-- Flow 1:

Average throughput: 95.64 Mbit/s

95th percentile per-packet one-way delay: 40.607 ms

Loss rate: 1.18%

Run 2: Report of TCP BBR — Data Link



Run 3: Statistics of TCP BBR

Start at: 2019-05-30 06:38:10

End at: 2019-05-30 06:38:40

Local clock offset: 2.757 ms

Remote clock offset: 8.28 ms

Below is generated by plot.py at 2019-05-30 07:42:55

Datalink statistics

-- Total of 1 flow:

Average throughput: 95.60 Mbit/s

95th percentile per-packet one-way delay: 44.257 ms

Loss rate: 1.22%

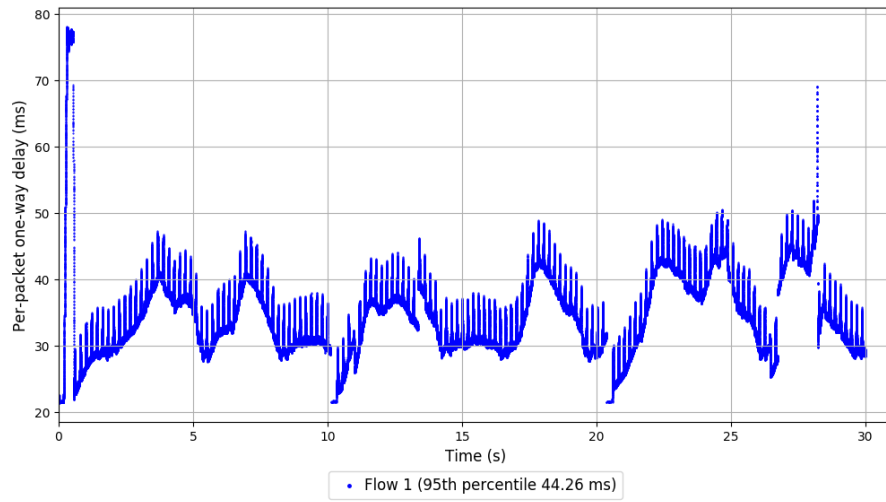
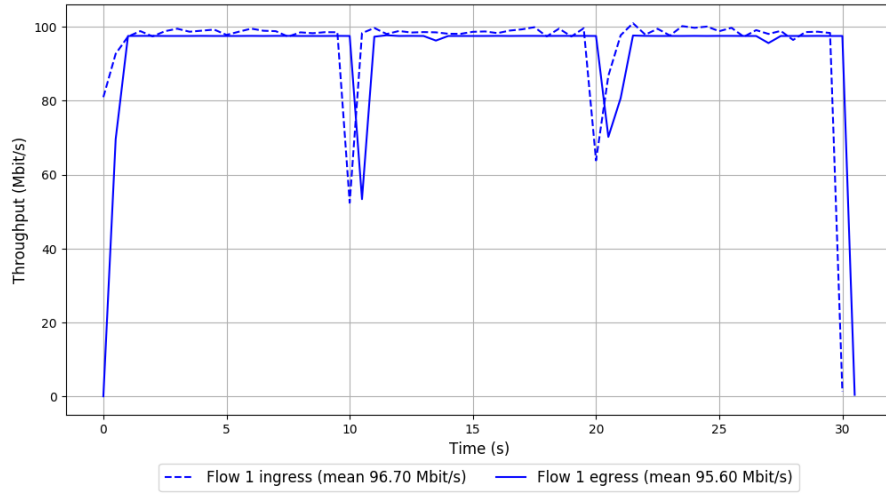
-- Flow 1:

Average throughput: 95.60 Mbit/s

95th percentile per-packet one-way delay: 44.257 ms

Loss rate: 1.22%

Run 3: Report of TCP BBR — Data Link



Run 4: Statistics of TCP BBR

Start at: 2019-05-30 07:02:50

End at: 2019-05-30 07:03:20

Local clock offset: -2.218 ms

Remote clock offset: 4.469 ms

Below is generated by plot.py at 2019-05-30 07:42:55

Datalink statistics

-- Total of 1 flow:

Average throughput: 95.65 Mbit/s

95th percentile per-packet one-way delay: 35.730 ms

Loss rate: 1.01%

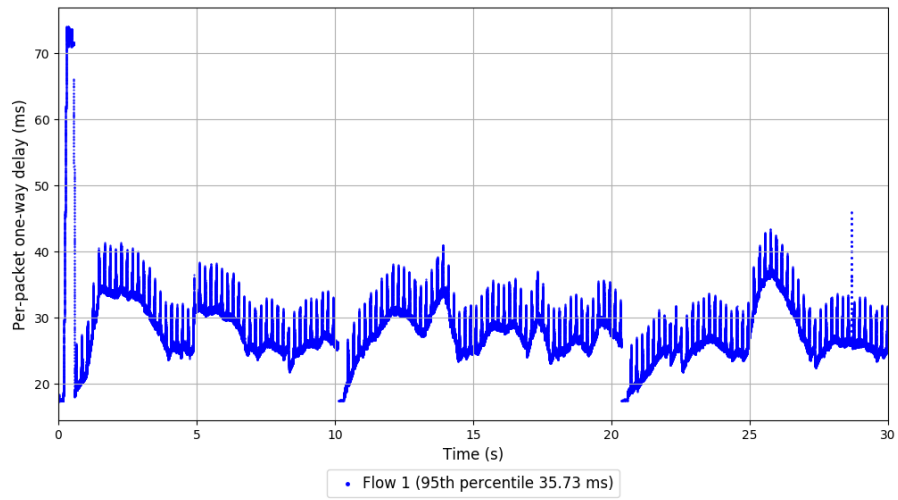
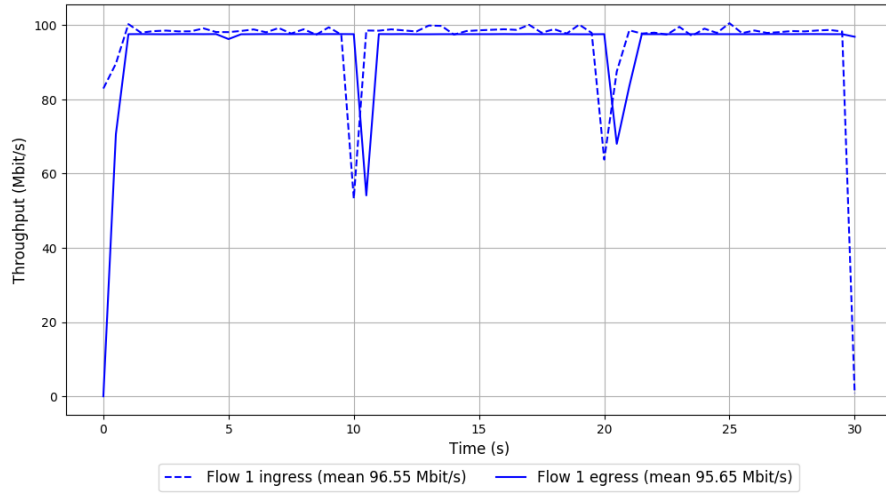
-- Flow 1:

Average throughput: 95.65 Mbit/s

95th percentile per-packet one-way delay: 35.730 ms

Loss rate: 1.01%

Run 4: Report of TCP BBR — Data Link



Run 5: Statistics of TCP BBR

Start at: 2019-05-30 07:27:26

End at: 2019-05-30 07:27:56

Local clock offset: 1.26 ms

Remote clock offset: 4.495 ms

Below is generated by plot.py at 2019-05-30 07:42:55

Datalink statistics

-- Total of 1 flow:

Average throughput: 95.65 Mbit/s

95th percentile per-packet one-way delay: 46.248 ms

Loss rate: 1.34%

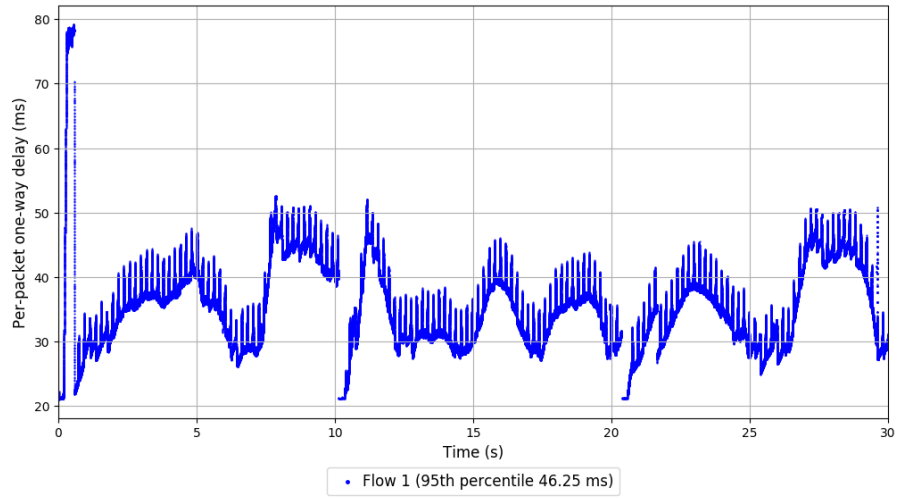
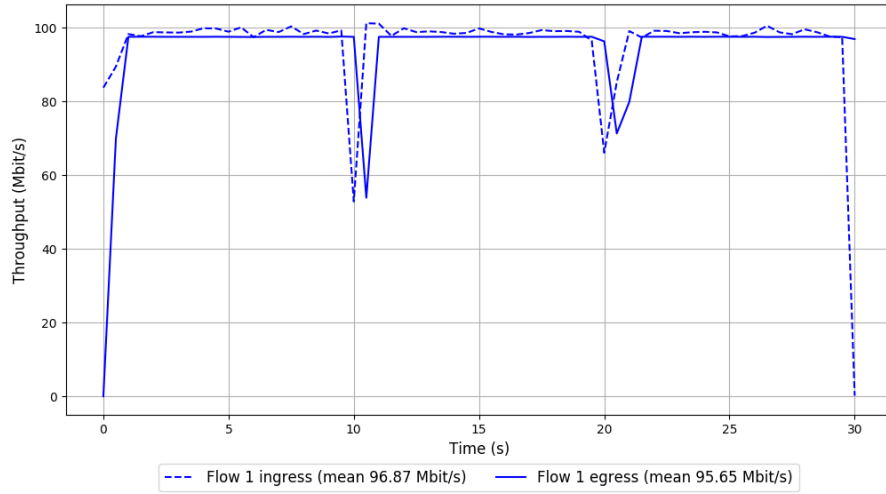
-- Flow 1:

Average throughput: 95.65 Mbit/s

95th percentile per-packet one-way delay: 46.248 ms

Loss rate: 1.34%

Run 5: Report of TCP BBR — Data Link



Run 1: Statistics of Copa

Start at: 2019-05-30 05:53:25

End at: 2019-05-30 05:53:55

Local clock offset: -2.25 ms

Remote clock offset: 5.844 ms

Below is generated by plot.py at 2019-05-30 07:43:29

Datalink statistics

-- Total of 1 flow:

Average throughput: 76.42 Mbit/s

95th percentile per-packet one-way delay: 26.856 ms

Loss rate: 0.11%

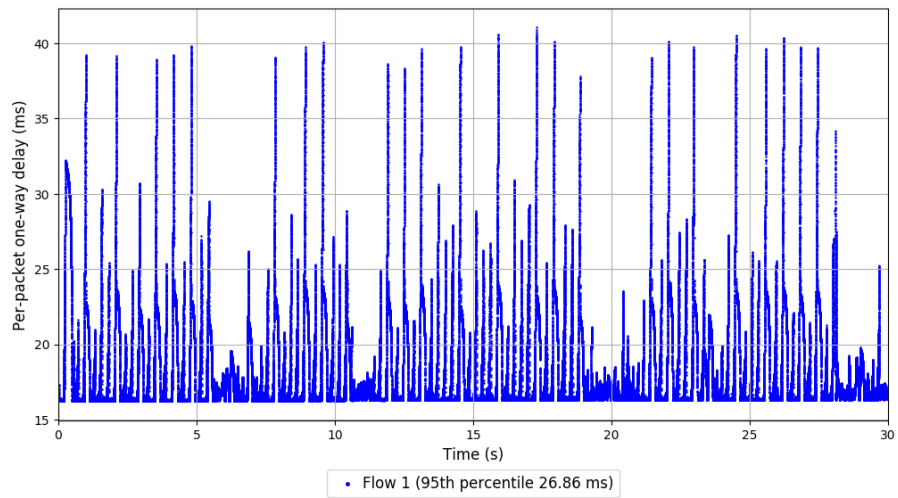
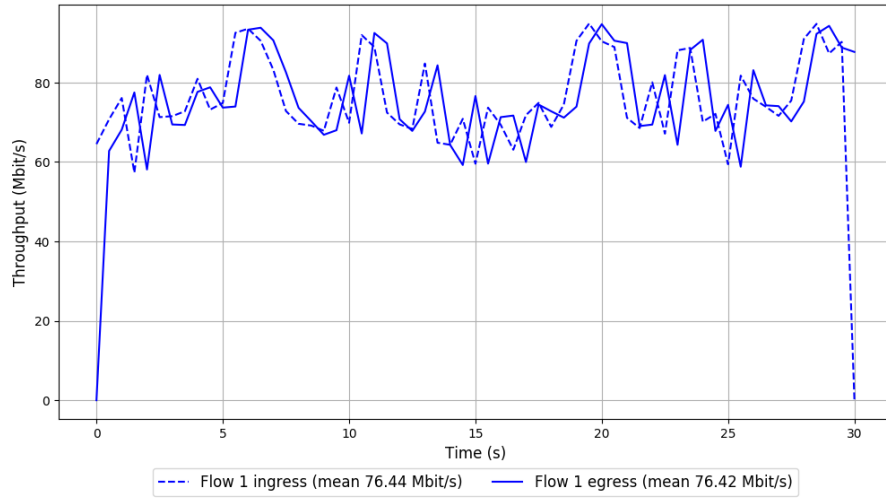
-- Flow 1:

Average throughput: 76.42 Mbit/s

95th percentile per-packet one-way delay: 26.856 ms

Loss rate: 0.11%

Run 1: Report of Copa — Data Link



Run 2: Statistics of Copa

Start at: 2019-05-30 06:18:26

End at: 2019-05-30 06:18:57

Local clock offset: -1.958 ms

Remote clock offset: 8.857 ms

Below is generated by plot.py at 2019-05-30 07:43:35

Datalink statistics

-- Total of 1 flow:

Average throughput: 81.44 Mbit/s

95th percentile per-packet one-way delay: 24.887 ms

Loss rate: 0.10%

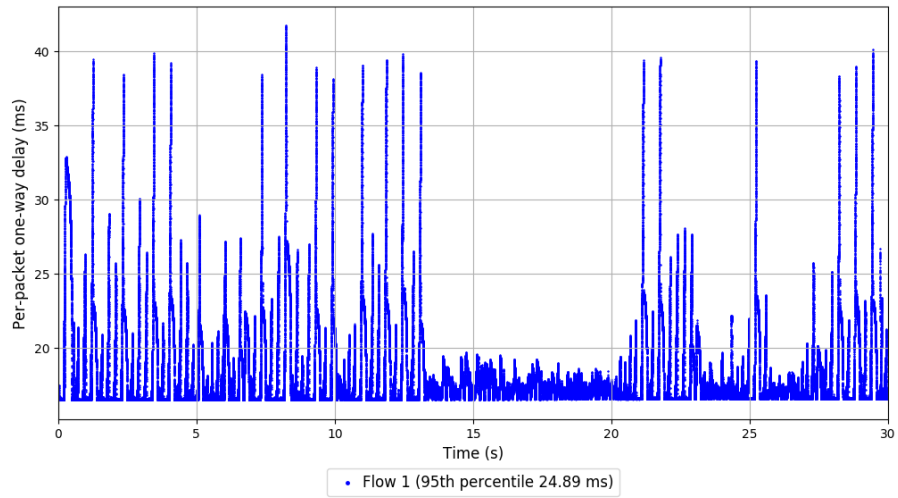
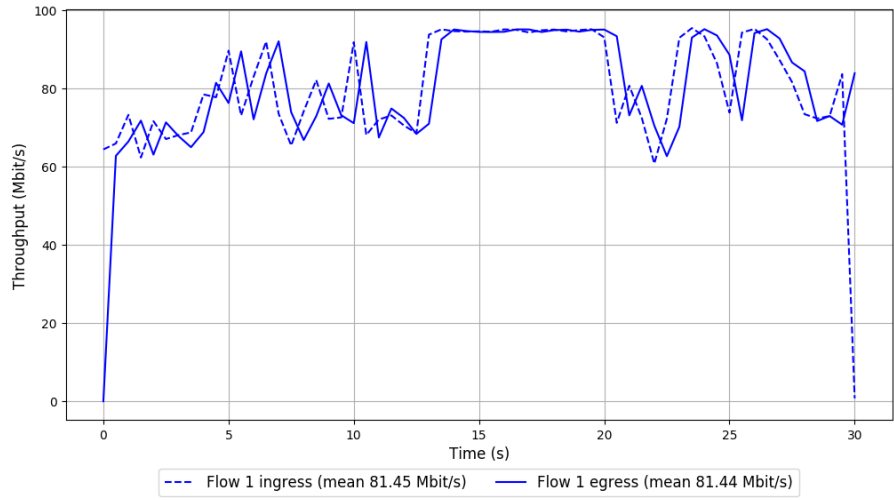
-- Flow 1:

Average throughput: 81.44 Mbit/s

95th percentile per-packet one-way delay: 24.887 ms

Loss rate: 0.10%

Run 2: Report of Copa — Data Link



Run 3: Statistics of Copa

Start at: 2019-05-30 06:43:02

End at: 2019-05-30 06:43:32

Local clock offset: 2.935 ms

Remote clock offset: 8.385 ms

Below is generated by plot.py at 2019-05-30 07:43:35

Datalink statistics

-- Total of 1 flow:

Average throughput: 79.57 Mbit/s

95th percentile per-packet one-way delay: 30.801 ms

Loss rate: 0.11%

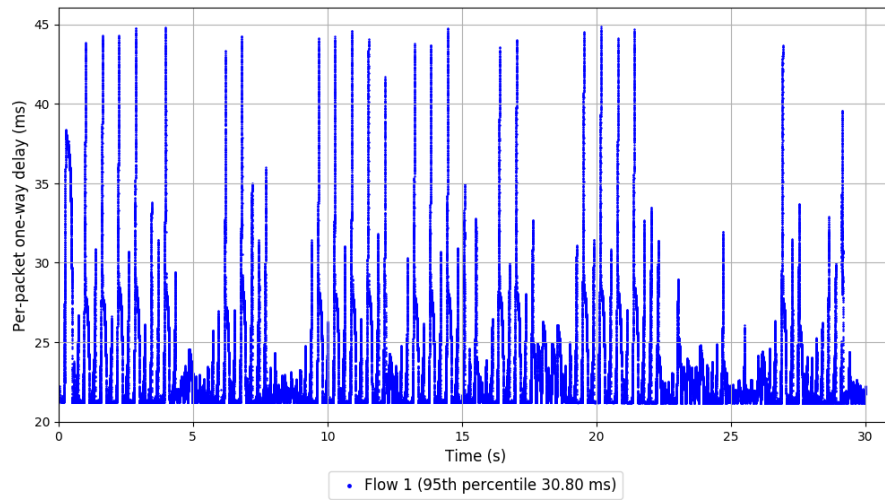
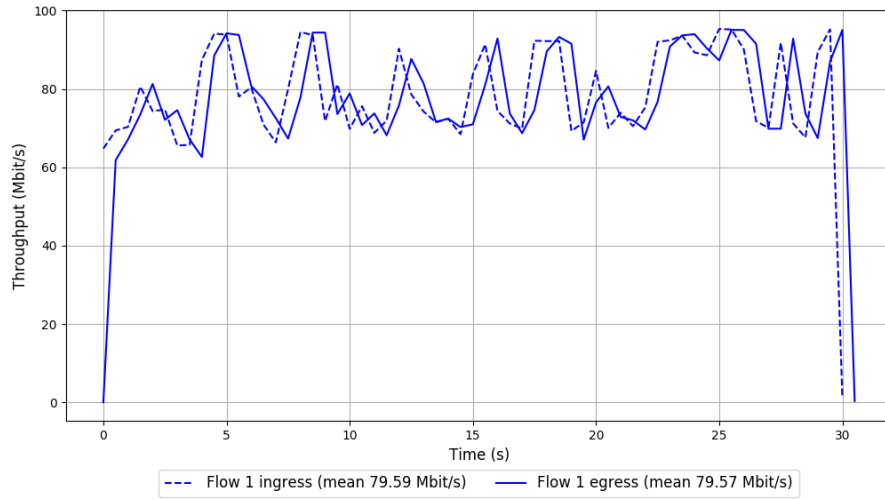
-- Flow 1:

Average throughput: 79.57 Mbit/s

95th percentile per-packet one-way delay: 30.801 ms

Loss rate: 0.11%

Run 3: Report of Copa — Data Link



Run 4: Statistics of Copa

Start at: 2019-05-30 07:07:37

End at: 2019-05-30 07:08:07

Local clock offset: -1.875 ms

Remote clock offset: 5.576 ms

Below is generated by plot.py at 2019-05-30 07:44:36

Datalink statistics

-- Total of 1 flow:

Average throughput: 78.78 Mbit/s

95th percentile per-packet one-way delay: 26.335 ms

Loss rate: 0.14%

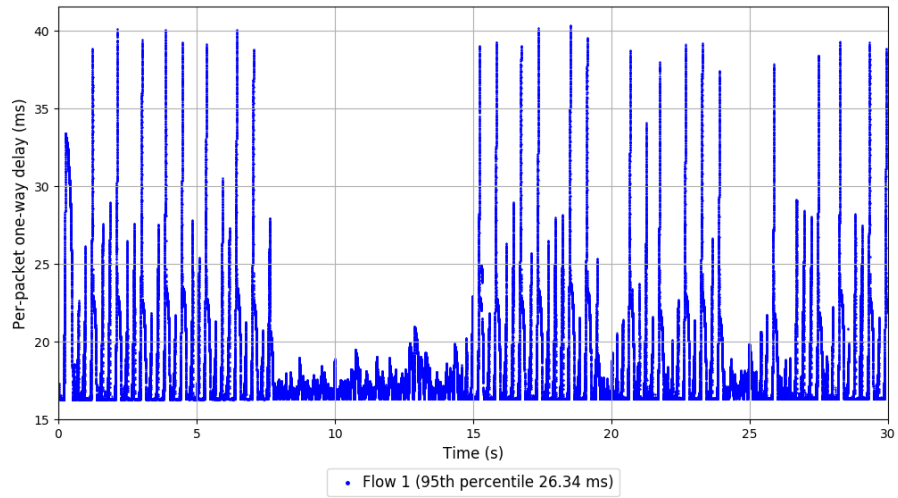
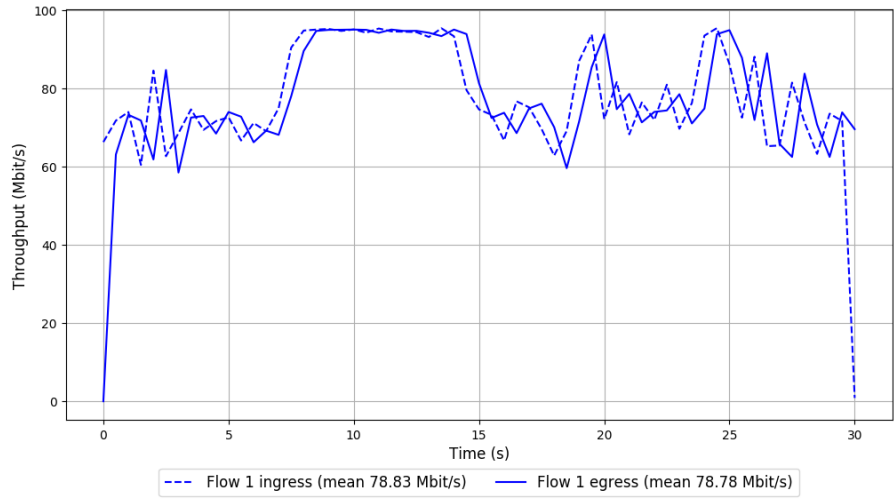
-- Flow 1:

Average throughput: 78.78 Mbit/s

95th percentile per-packet one-way delay: 26.335 ms

Loss rate: 0.14%

Run 4: Report of Copa — Data Link



Run 5: Statistics of Copa

Start at: 2019-05-30 07:32:15

End at: 2019-05-30 07:32:45

Local clock offset: 0.885 ms

Remote clock offset: 5.394 ms

Below is generated by plot.py at 2019-05-30 07:44:39

Datalink statistics

-- Total of 1 flow:

Average throughput: 80.62 Mbit/s

95th percentile per-packet one-way delay: 28.208 ms

Loss rate: 0.13%

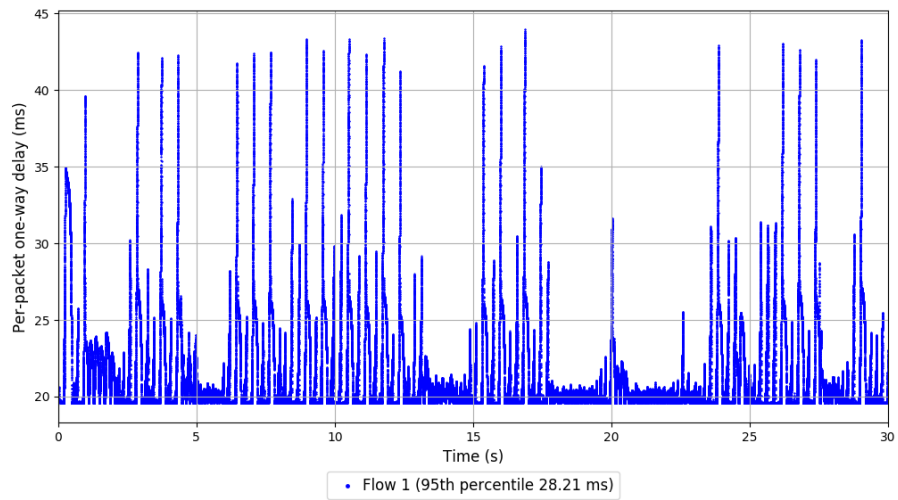
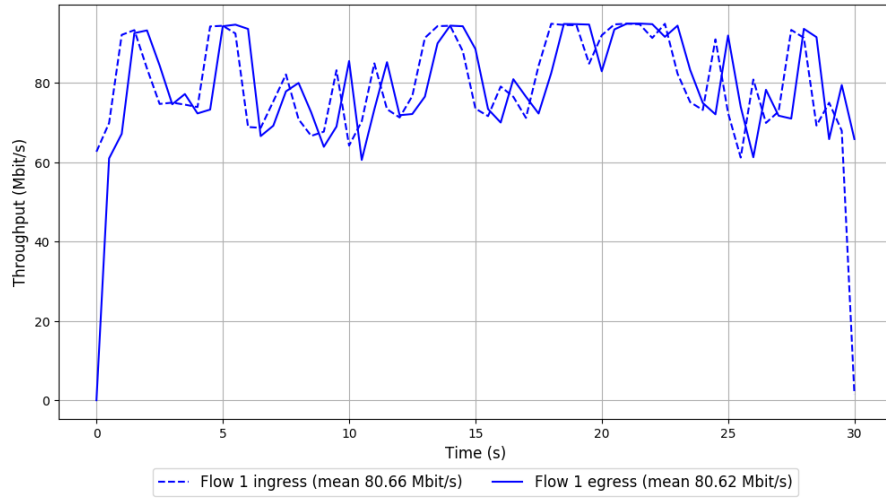
-- Flow 1:

Average throughput: 80.62 Mbit/s

95th percentile per-packet one-way delay: 28.208 ms

Loss rate: 0.13%

Run 5: Report of Copa — Data Link



Run 1: Statistics of TCP Cubic

Start at: 2019-05-30 05:59:22

End at: 2019-05-30 05:59:52

Local clock offset: 2.797 ms

Remote clock offset: 6.419 ms

Below is generated by plot.py at 2019-05-30 07:44:39

Datalink statistics

-- Total of 1 flow:

Average throughput: 95.72 Mbit/s

95th percentile per-packet one-way delay: 28.841 ms

Loss rate: 0.10%

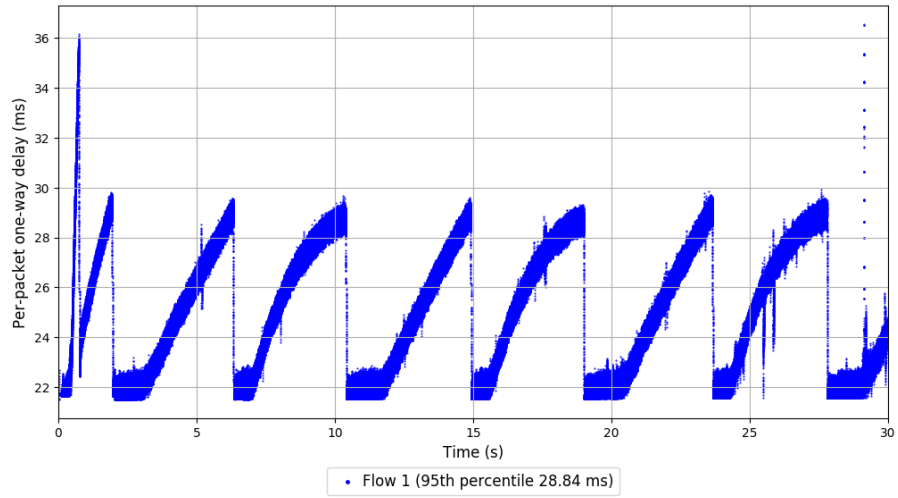
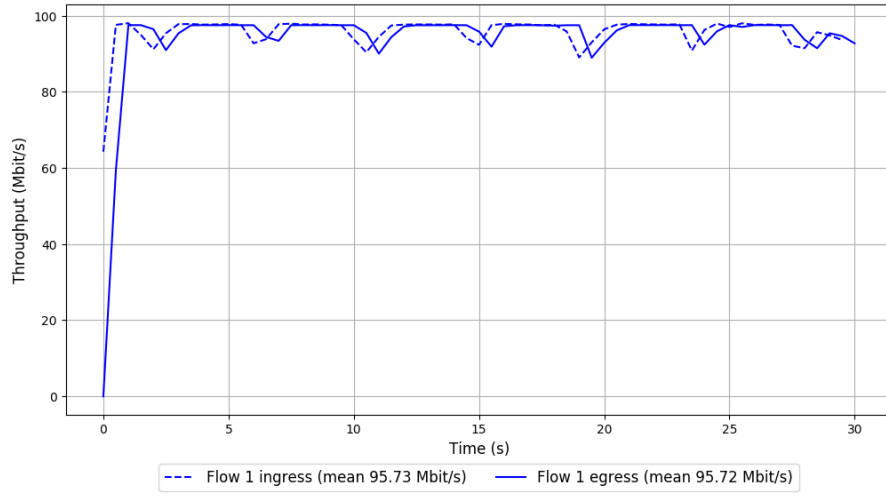
-- Flow 1:

Average throughput: 95.72 Mbit/s

95th percentile per-packet one-way delay: 28.841 ms

Loss rate: 0.10%

Run 1: Report of TCP Cubic — Data Link



Run 2: Statistics of TCP Cubic

Start at: 2019-05-30 06:24:21

End at: 2019-05-30 06:24:51

Local clock offset: -1.867 ms

Remote clock offset: 9.451 ms

Below is generated by plot.py at 2019-05-30 07:44:39

Datalink statistics

-- Total of 1 flow:

Average throughput: 93.22 Mbit/s

95th percentile per-packet one-way delay: 23.732 ms

Loss rate: 0.10%

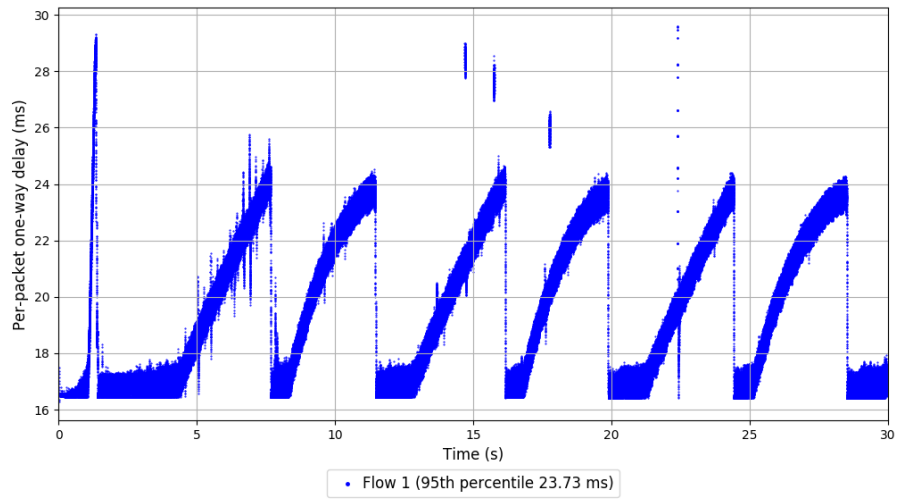
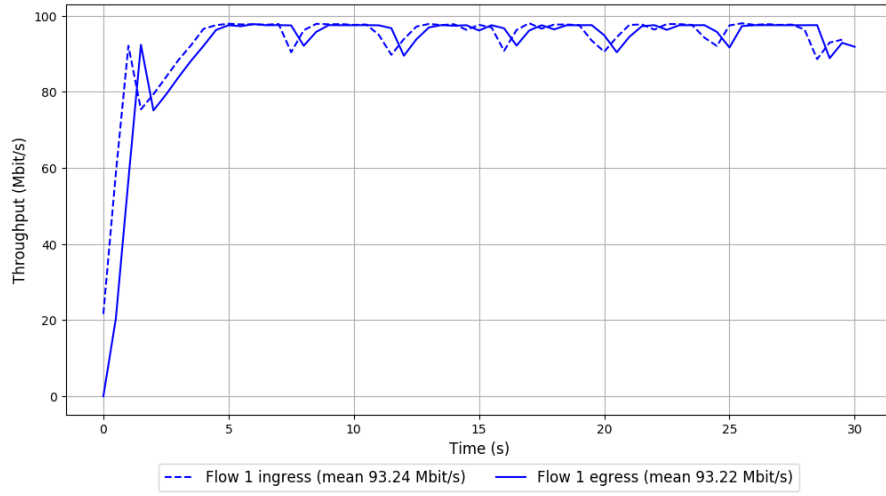
-- Flow 1:

Average throughput: 93.22 Mbit/s

95th percentile per-packet one-way delay: 23.732 ms

Loss rate: 0.10%

Run 2: Report of TCP Cubic — Data Link



Run 3: Statistics of TCP Cubic

Start at: 2019-05-30 06:48:56

End at: 2019-05-30 06:49:26

Local clock offset: -0.718 ms

Remote clock offset: 6.886 ms

Below is generated by plot.py at 2019-05-30 07:44:39

Datalink statistics

-- Total of 1 flow:

Average throughput: 96.05 Mbit/s

95th percentile per-packet one-way delay: 25.671 ms

Loss rate: 0.10%

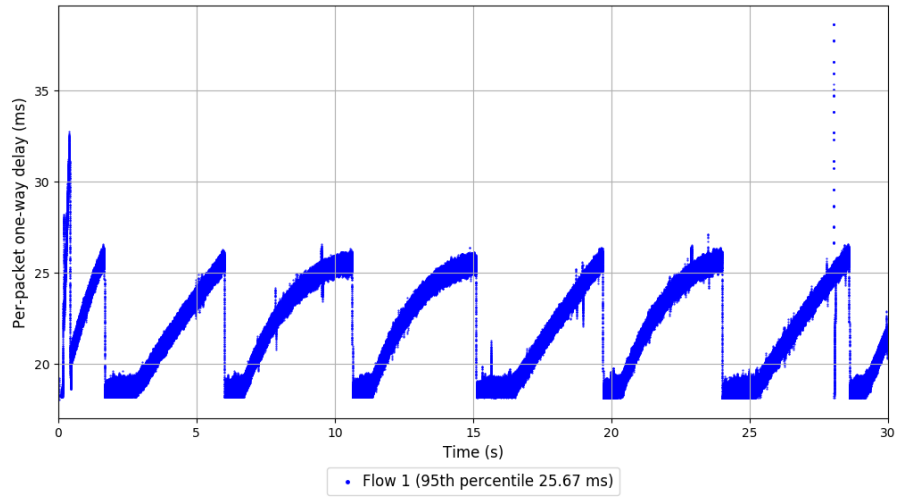
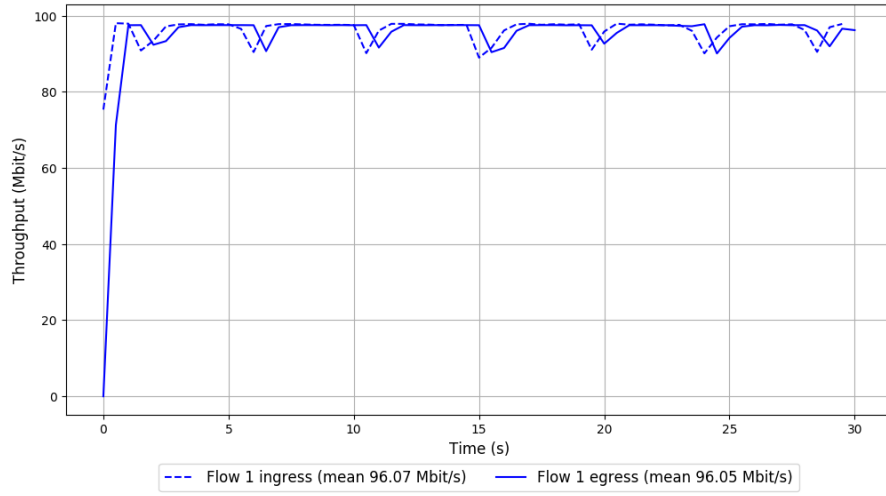
-- Flow 1:

Average throughput: 96.05 Mbit/s

95th percentile per-packet one-way delay: 25.671 ms

Loss rate: 0.10%

Run 3: Report of TCP Cubic — Data Link



Run 4: Statistics of TCP Cubic

Start at: 2019-05-30 07:13:33

End at: 2019-05-30 07:14:03

Local clock offset: 1.416 ms

Remote clock offset: 5.048 ms

Below is generated by plot.py at 2019-05-30 07:44:39

Datalink statistics

-- Total of 1 flow:

Average throughput: 94.57 Mbit/s

95th percentile per-packet one-way delay: 28.614 ms

Loss rate: 0.11%

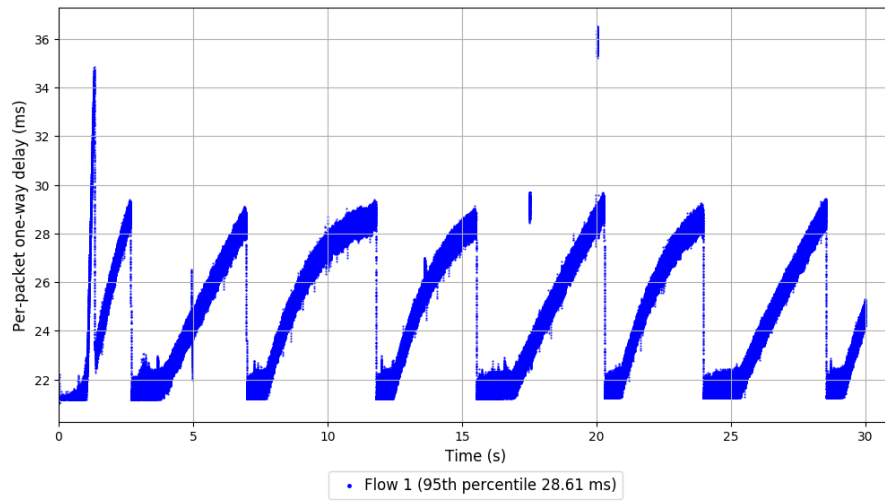
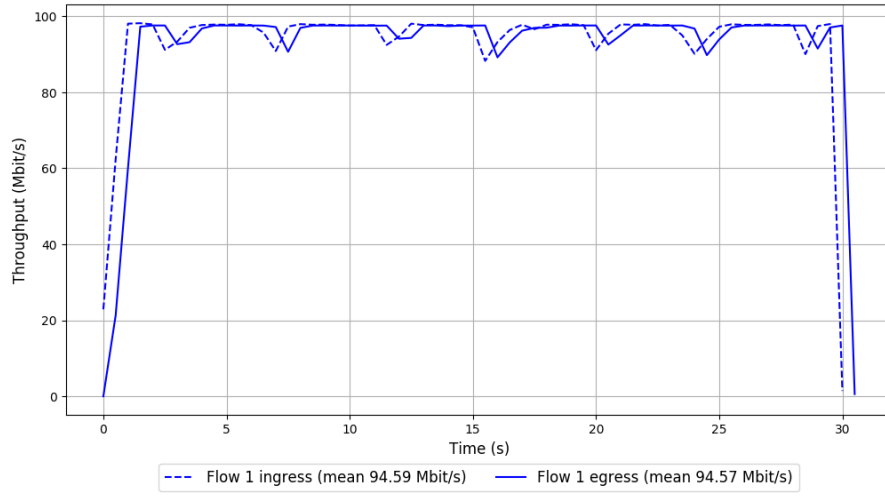
-- Flow 1:

Average throughput: 94.57 Mbit/s

95th percentile per-packet one-way delay: 28.614 ms

Loss rate: 0.11%

Run 4: Report of TCP Cubic — Data Link



Run 5: Statistics of TCP Cubic

Start at: 2019-05-30 07:38:04

End at: 2019-05-30 07:38:34

Local clock offset: 1.0 ms

Remote clock offset: 4.449 ms

Below is generated by plot.py at 2019-05-30 07:44:39

Datalink statistics

-- Total of 1 flow:

Average throughput: 92.24 Mbit/s

95th percentile per-packet one-way delay: 27.419 ms

Loss rate: 0.12%

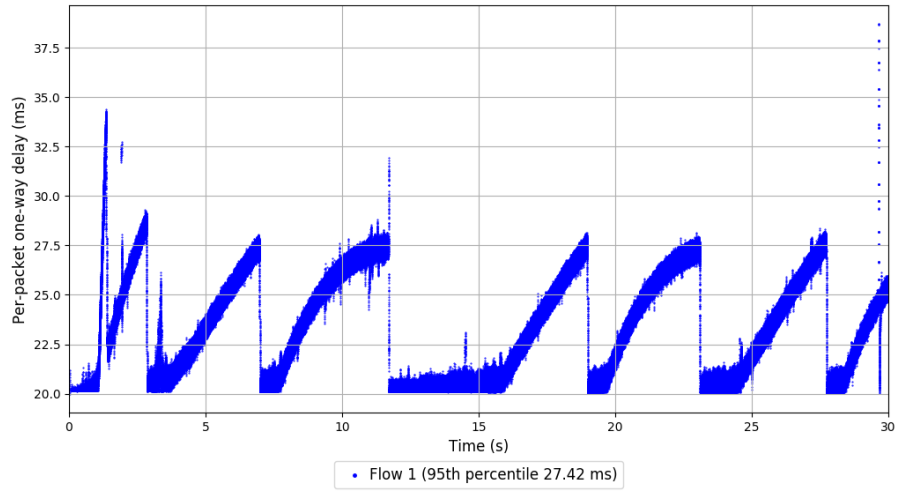
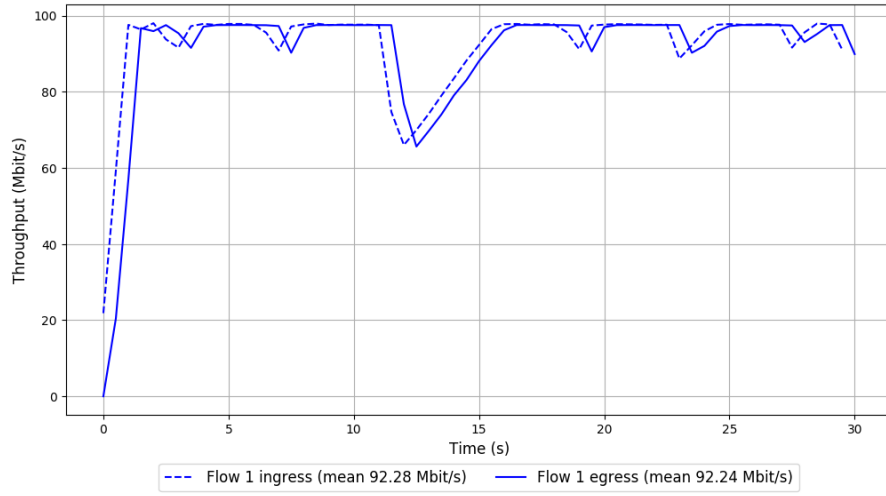
-- Flow 1:

Average throughput: 92.24 Mbit/s

95th percentile per-packet one-way delay: 27.419 ms

Loss rate: 0.12%

Run 5: Report of TCP Cubic — Data Link



Run 1: Statistics of FillP

Start at: 2019-05-30 06:00:34

End at: 2019-05-30 06:01:04

Local clock offset: -1.997 ms

Remote clock offset: 5.793 ms

Below is generated by plot.py at 2019-05-30 07:45:02

Datalink statistics

-- Total of 1 flow:

Average throughput: 95.86 Mbit/s

95th percentile per-packet one-way delay: 26.909 ms

Loss rate: 0.18%

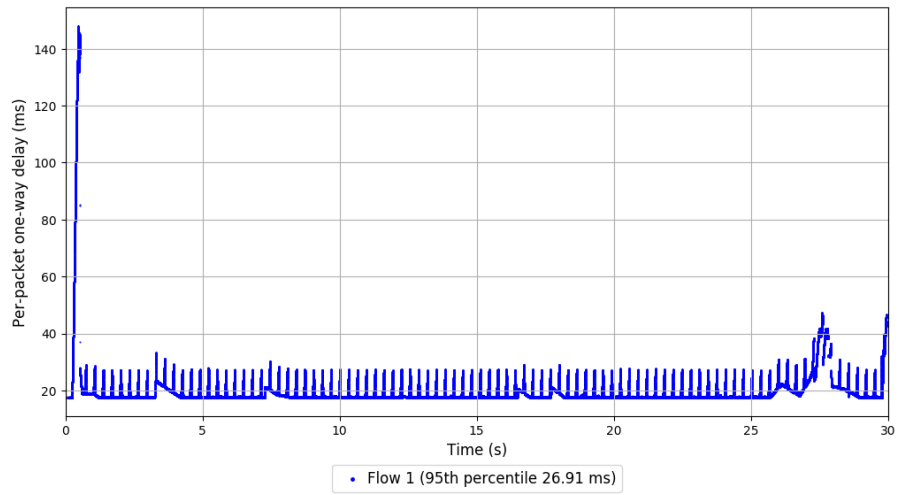
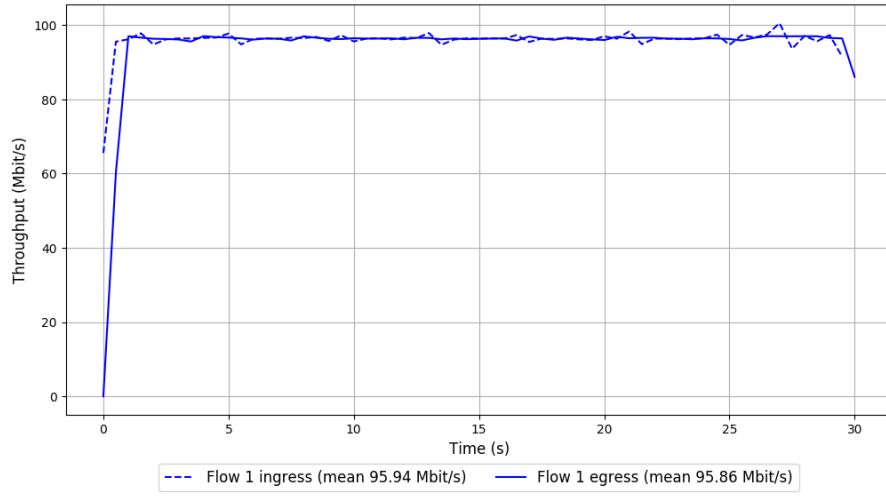
-- Flow 1:

Average throughput: 95.86 Mbit/s

95th percentile per-packet one-way delay: 26.909 ms

Loss rate: 0.18%

Run 1: Report of FillP — Data Link



Run 2: Statistics of FillP

Start at: 2019-05-30 06:25:30

End at: 2019-05-30 06:26:00

Local clock offset: -1.85 ms

Remote clock offset: 9.706 ms

Below is generated by plot.py at 2019-05-30 07:45:13

Datalink statistics

-- Total of 1 flow:

Average throughput: 95.87 Mbit/s

95th percentile per-packet one-way delay: 24.474 ms

Loss rate: 0.09%

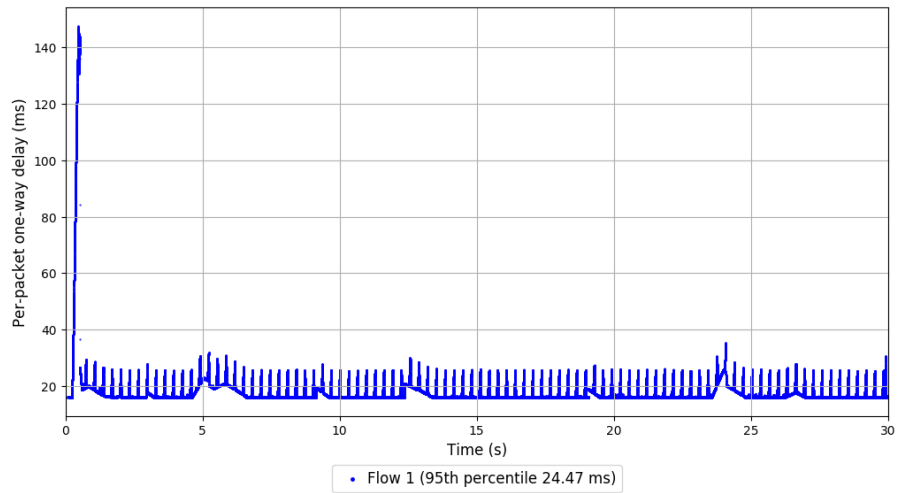
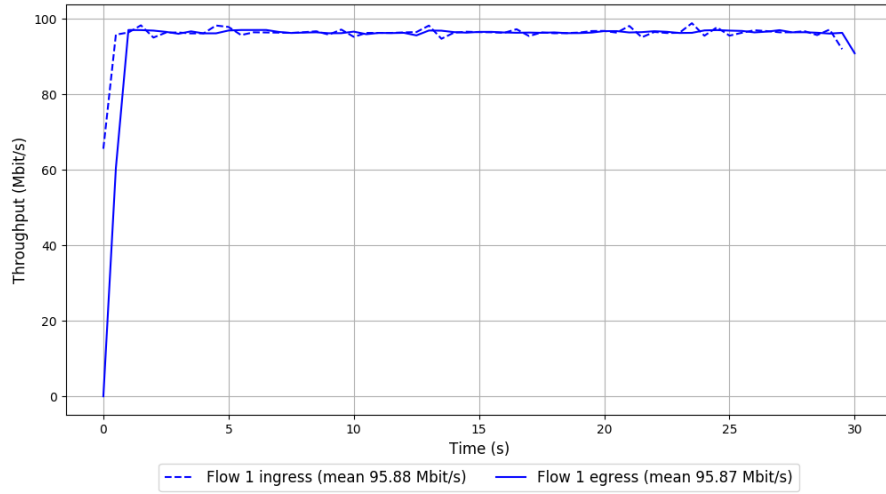
-- Flow 1:

Average throughput: 95.87 Mbit/s

95th percentile per-packet one-way delay: 24.474 ms

Loss rate: 0.09%

Run 2: Report of FillP — Data Link



Run 3: Statistics of FillP

Start at: 2019-05-30 06:50:06

End at: 2019-05-30 06:50:36

Local clock offset: 3.284 ms

Remote clock offset: 7.227 ms

Below is generated by plot.py at 2019-05-30 07:45:14

Datalink statistics

-- Total of 1 flow:

Average throughput: 95.90 Mbit/s

95th percentile per-packet one-way delay: 30.366 ms

Loss rate: 0.18%

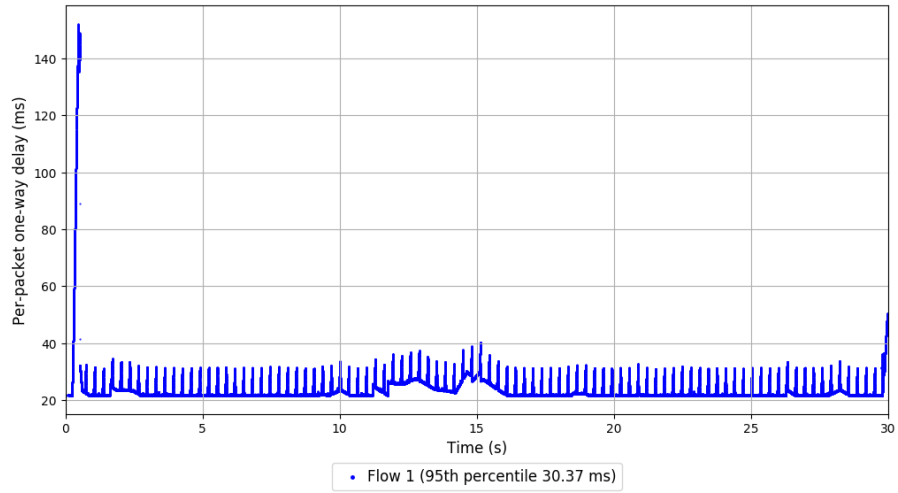
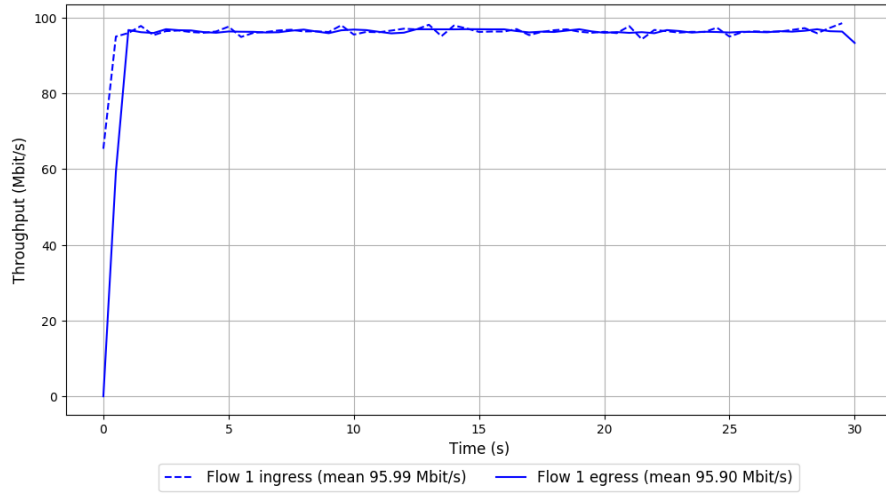
-- Flow 1:

Average throughput: 95.90 Mbit/s

95th percentile per-packet one-way delay: 30.366 ms

Loss rate: 0.18%

Run 3: Report of FillP — Data Link



Run 4: Statistics of FillP

Start at: 2019-05-30 07:14:43

End at: 2019-05-30 07:15:13

Local clock offset: -2.941 ms

Remote clock offset: 6.73 ms

Below is generated by plot.py at 2019-05-30 07:45:15

Datalink statistics

-- Total of 1 flow:

Average throughput: 95.85 Mbit/s

95th percentile per-packet one-way delay: 24.173 ms

Loss rate: 0.10%

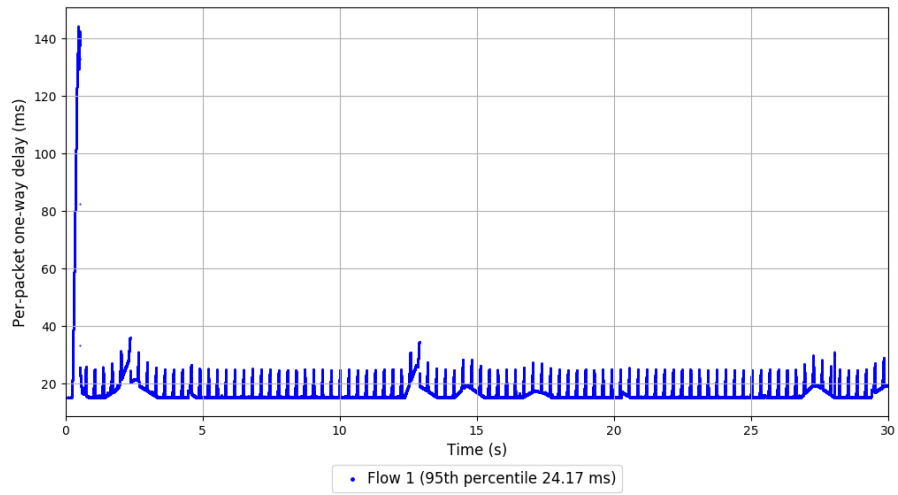
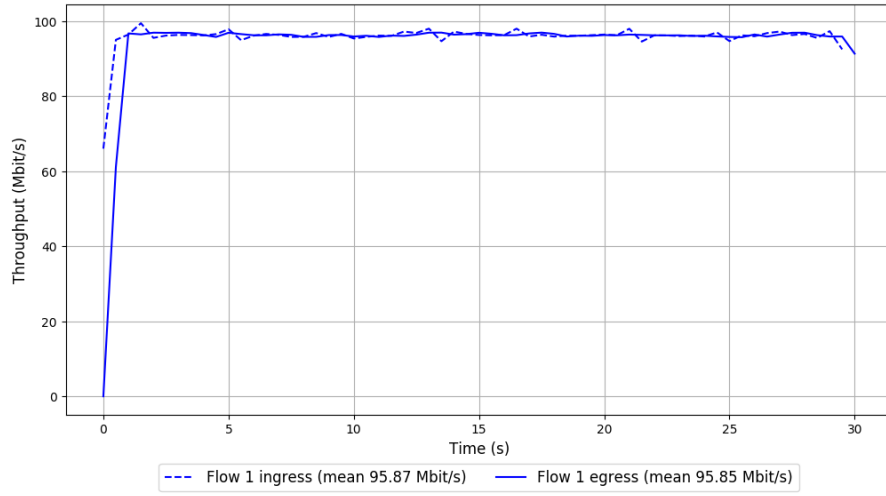
-- Flow 1:

Average throughput: 95.85 Mbit/s

95th percentile per-packet one-way delay: 24.173 ms

Loss rate: 0.10%

Run 4: Report of FillP — Data Link



Run 5: Statistics of FillP

Start at: 2019-05-30 07:39:15

End at: 2019-05-30 07:39:45

Local clock offset: -3.737 ms

Remote clock offset: 2.767 ms

Below is generated by plot.py at 2019-05-30 07:45:49

Datalink statistics

-- Total of 1 flow:

Average throughput: 96.15 Mbit/s

95th percentile per-packet one-way delay: 34.047 ms

Loss rate: 0.12%

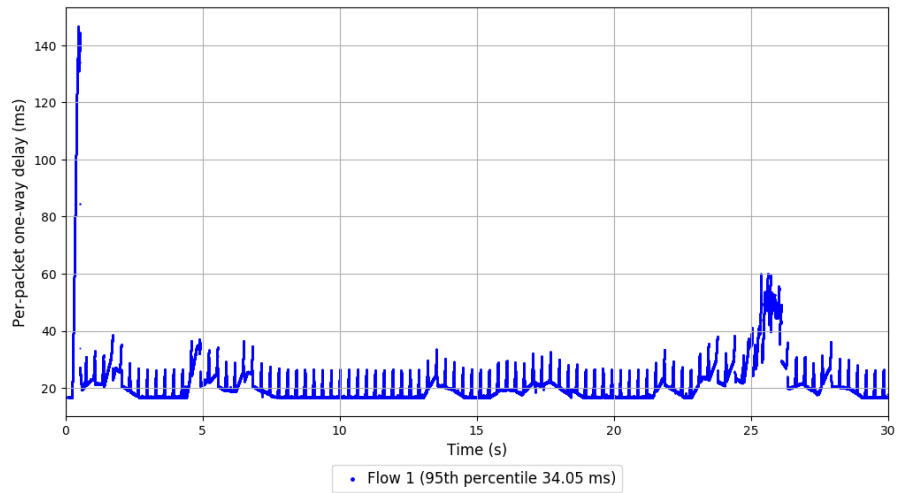
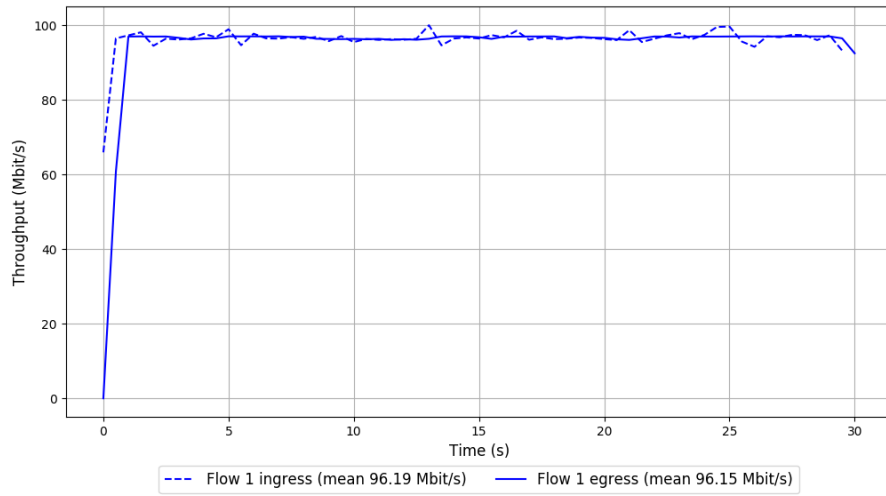
-- Flow 1:

Average throughput: 96.15 Mbit/s

95th percentile per-packet one-way delay: 34.047 ms

Loss rate: 0.12%

Run 5: Report of FillP — Data Link



Run 1: Statistics of FillP-Sheep

Start at: 2019-05-30 05:40:19

End at: 2019-05-30 05:40:49

Local clock offset: -0.296 ms

Remote clock offset: 3.693 ms

Below is generated by plot.py at 2019-05-30 07:45:49

Datalink statistics

-- Total of 1 flow:

Average throughput: 94.12 Mbit/s

95th percentile per-packet one-way delay: 21.462 ms

Loss rate: 0.09%

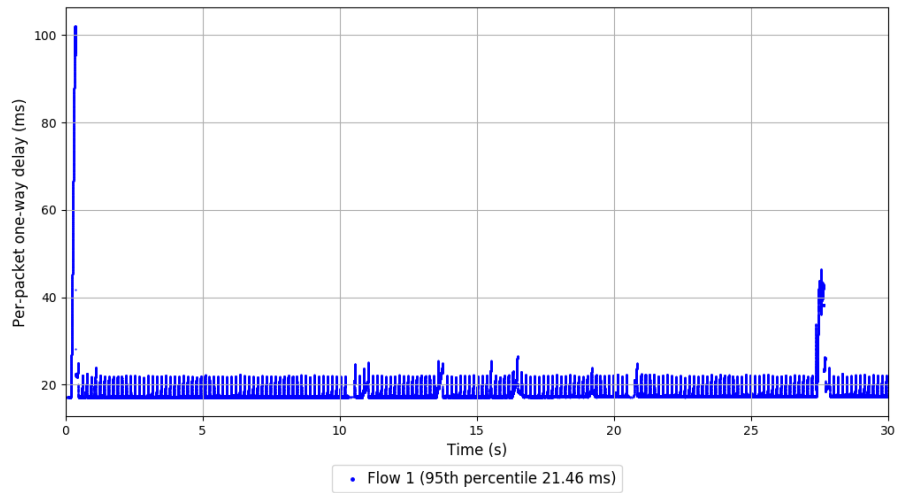
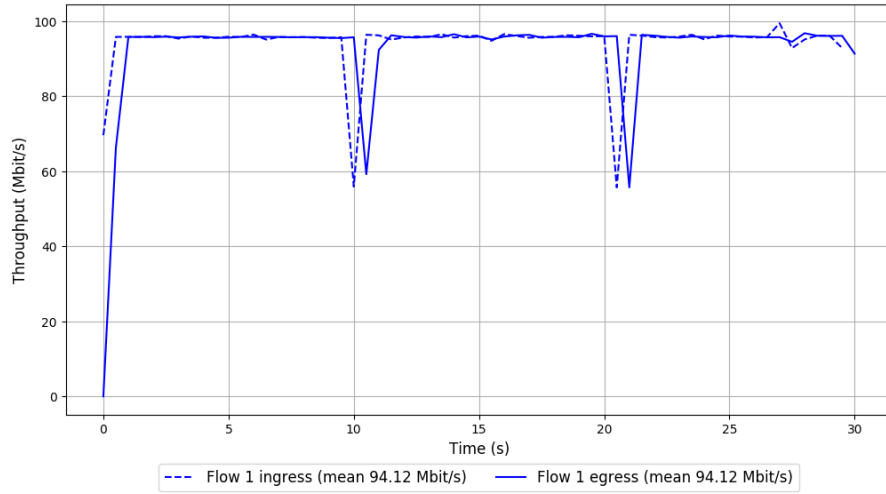
-- Flow 1:

Average throughput: 94.12 Mbit/s

95th percentile per-packet one-way delay: 21.462 ms

Loss rate: 0.09%

Run 1: Report of FillP-Sheep — Data Link



Run 2: Statistics of FillP-Sheep

Start at: 2019-05-30 06:05:10

End at: 2019-05-30 06:05:40

Local clock offset: -1.557 ms

Remote clock offset: 7.106 ms

Below is generated by plot.py at 2019-05-30 07:45:49

Datalink statistics

-- Total of 1 flow:

Average throughput: 94.08 Mbit/s

95th percentile per-packet one-way delay: 21.265 ms

Loss rate: 0.12%

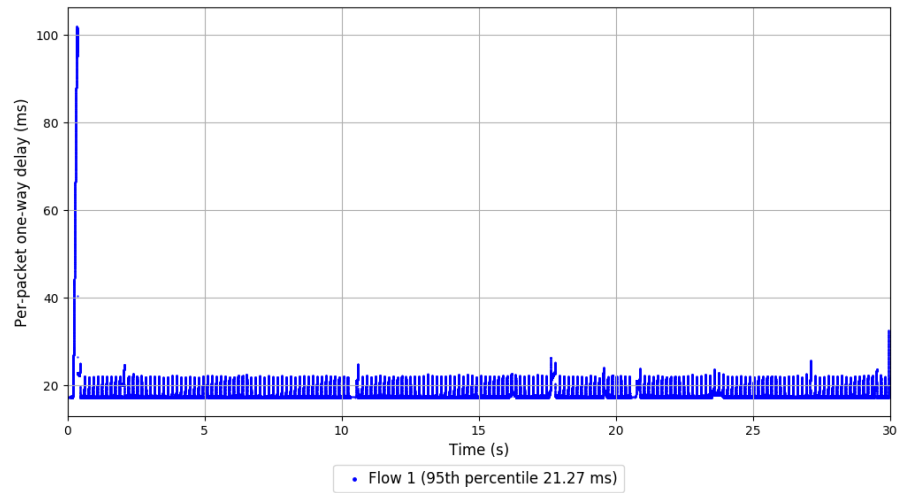
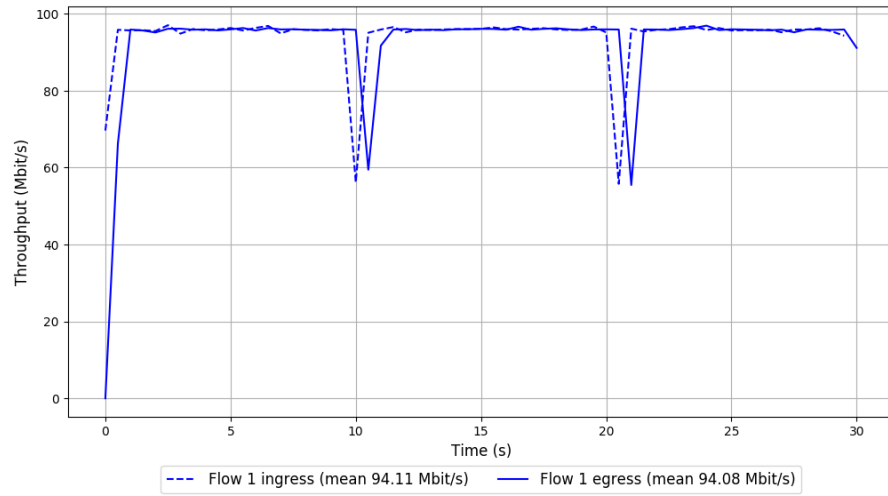
-- Flow 1:

Average throughput: 94.08 Mbit/s

95th percentile per-packet one-way delay: 21.265 ms

Loss rate: 0.12%

Run 2: Report of FillP-Sheep — Data Link



Run 3: Statistics of FillP-Sheep

Start at: 2019-05-30 06:30:02

End at: 2019-05-30 06:30:32

Local clock offset: 2.122 ms

Remote clock offset: 7.42 ms

Below is generated by plot.py at 2019-05-30 07:45:55

Datalink statistics

-- Total of 1 flow:

Average throughput: 94.22 Mbit/s

95th percentile per-packet one-way delay: 26.139 ms

Loss rate: 0.08%

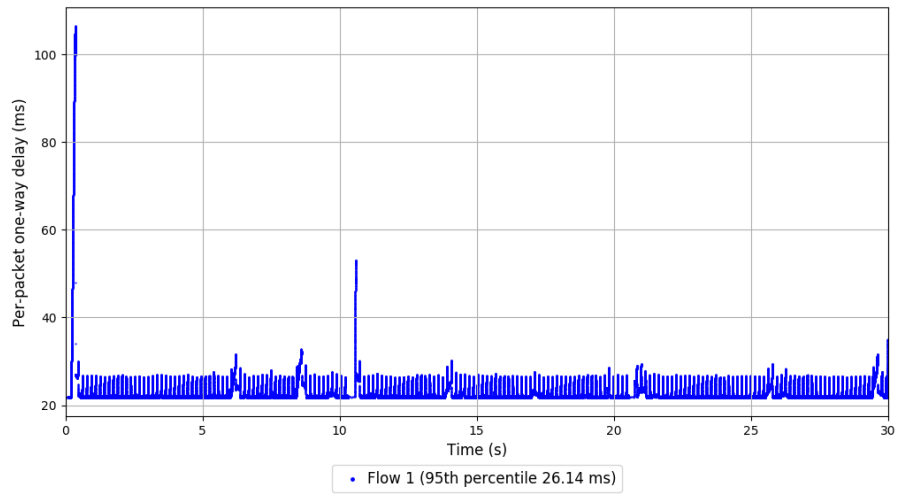
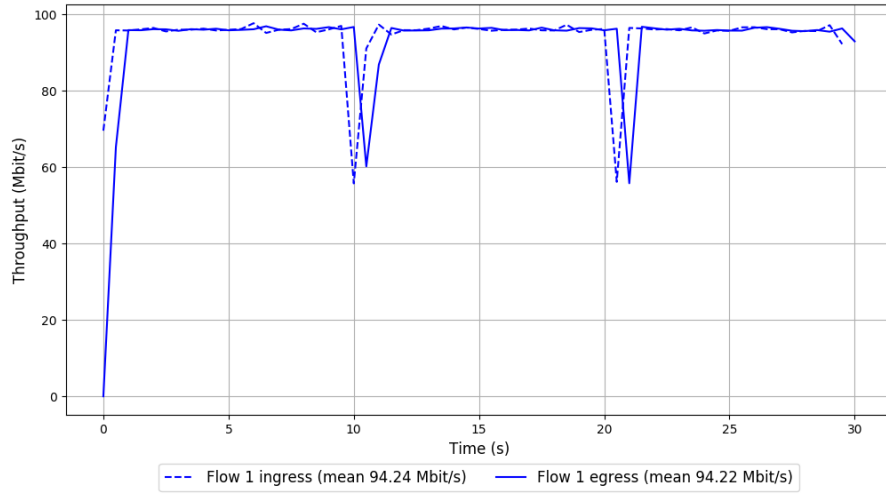
-- Flow 1:

Average throughput: 94.22 Mbit/s

95th percentile per-packet one-way delay: 26.139 ms

Loss rate: 0.08%

Run 3: Report of FillP-Sheep — Data Link



Run 4: Statistics of FillP-Sheep

Start at: 2019-05-30 06:54:48

End at: 2019-05-30 06:55:18

Local clock offset: 3.258 ms

Remote clock offset: 7.313 ms

Below is generated by plot.py at 2019-05-30 07:46:17

Datalink statistics

-- Total of 1 flow:

Average throughput: 94.13 Mbit/s

95th percentile per-packet one-way delay: 25.193 ms

Loss rate: 0.09%

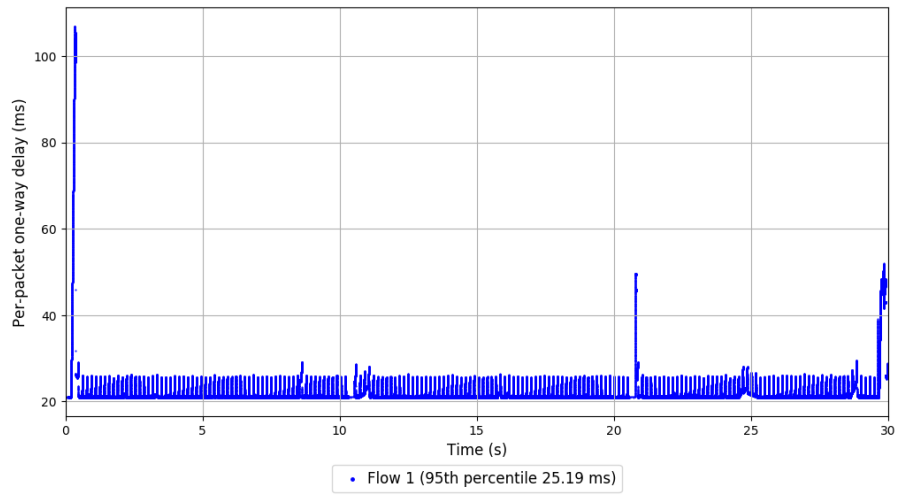
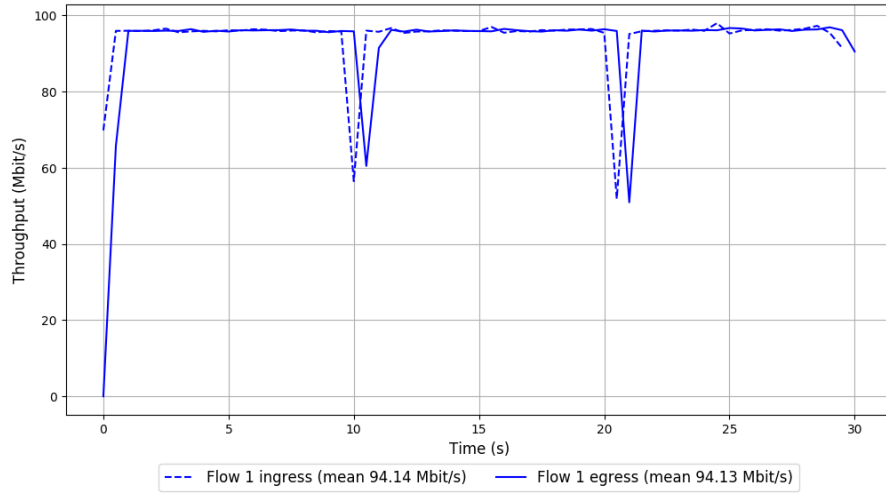
-- Flow 1:

Average throughput: 94.13 Mbit/s

95th percentile per-packet one-way delay: 25.193 ms

Loss rate: 0.09%

Run 4: Report of FillP-Sheep — Data Link



Run 5: Statistics of FillP-Sheep

Start at: 2019-05-30 07:19:22

End at: 2019-05-30 07:19:52

Local clock offset: -3.385 ms

Remote clock offset: 5.737 ms

Below is generated by plot.py at 2019-05-30 07:46:30

Datalink statistics

-- Total of 1 flow:

Average throughput: 94.05 Mbit/s

95th percentile per-packet one-way delay: 20.212 ms

Loss rate: 0.09%

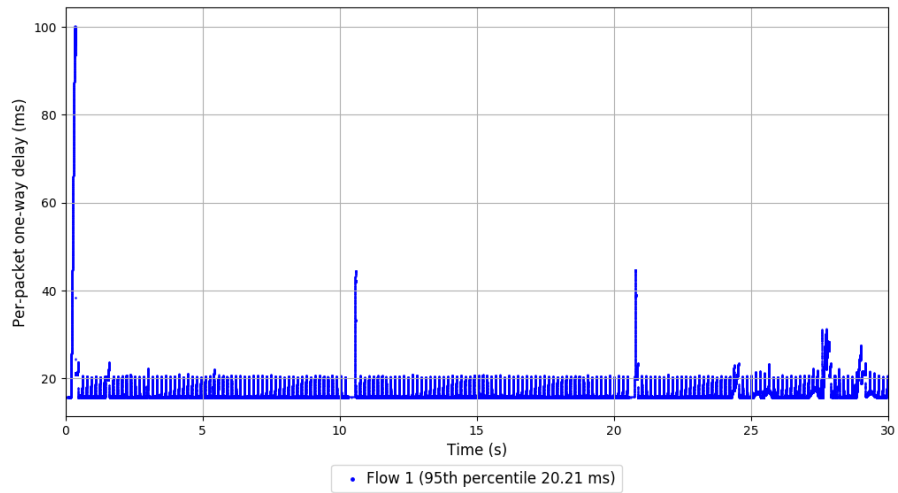
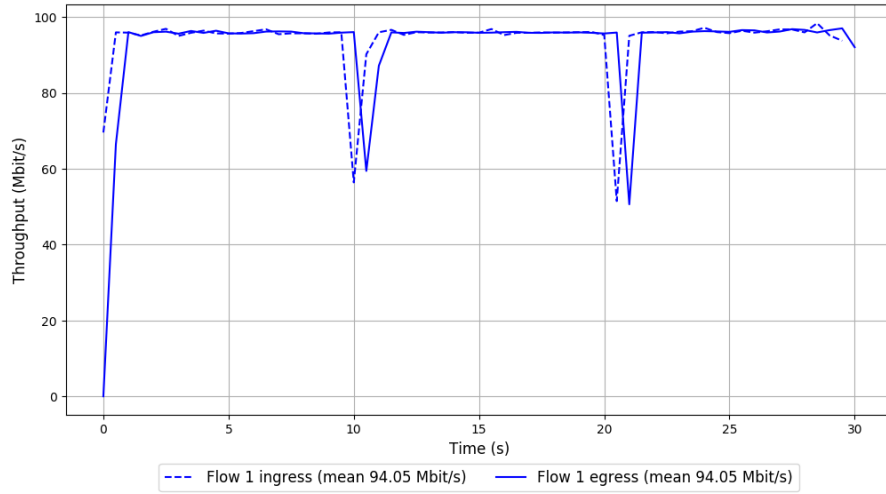
-- Flow 1:

Average throughput: 94.05 Mbit/s

95th percentile per-packet one-way delay: 20.212 ms

Loss rate: 0.09%

Run 5: Report of FillP-Sheep — Data Link



Run 1: Statistics of Indigo

Start at: 2019-05-30 05:52:09

End at: 2019-05-30 05:52:39

Local clock offset: -2.432 ms

Remote clock offset: 5.206 ms

Below is generated by plot.py at 2019-05-30 07:46:30

Datalink statistics

-- Total of 1 flow:

Average throughput: 95.62 Mbit/s

95th percentile per-packet one-way delay: 20.290 ms

Loss rate: 0.09%

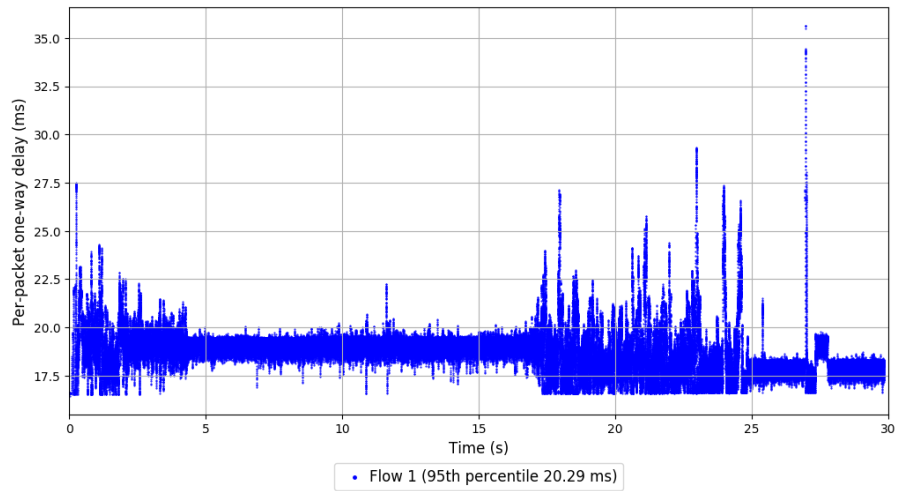
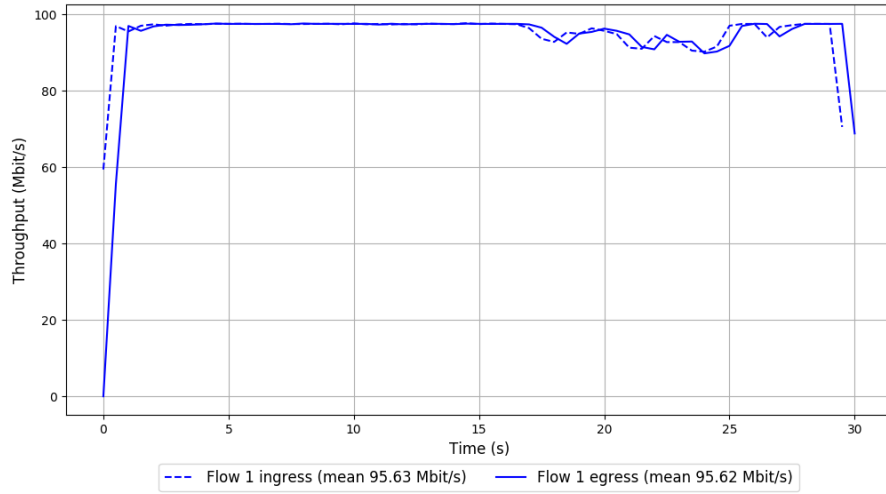
-- Flow 1:

Average throughput: 95.62 Mbit/s

95th percentile per-packet one-way delay: 20.290 ms

Loss rate: 0.09%

Run 1: Report of Indigo — Data Link



Run 2: Statistics of Indigo

Start at: 2019-05-30 06:17:12

End at: 2019-05-30 06:17:42

Local clock offset: -2.436 ms

Remote clock offset: 8.956 ms

Below is generated by plot.py at 2019-05-30 07:46:30

Datalink statistics

-- Total of 1 flow:

Average throughput: 96.59 Mbit/s

95th percentile per-packet one-way delay: 18.625 ms

Loss rate: 0.09%

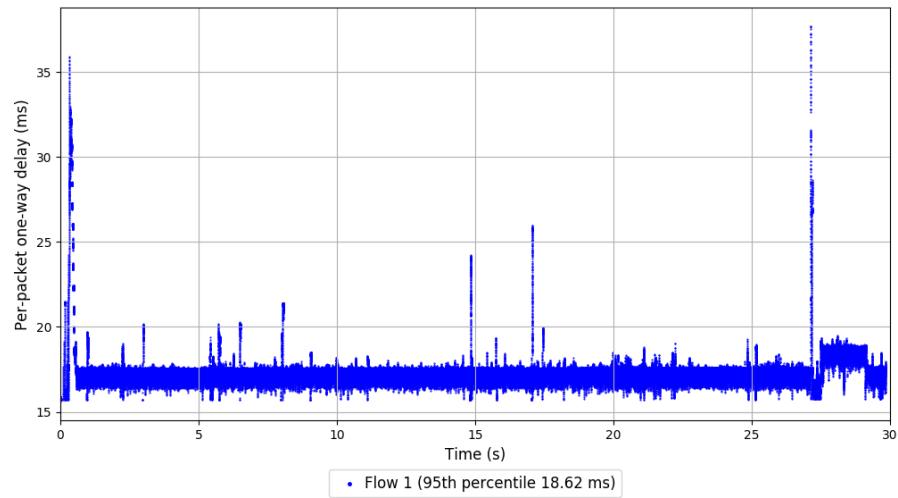
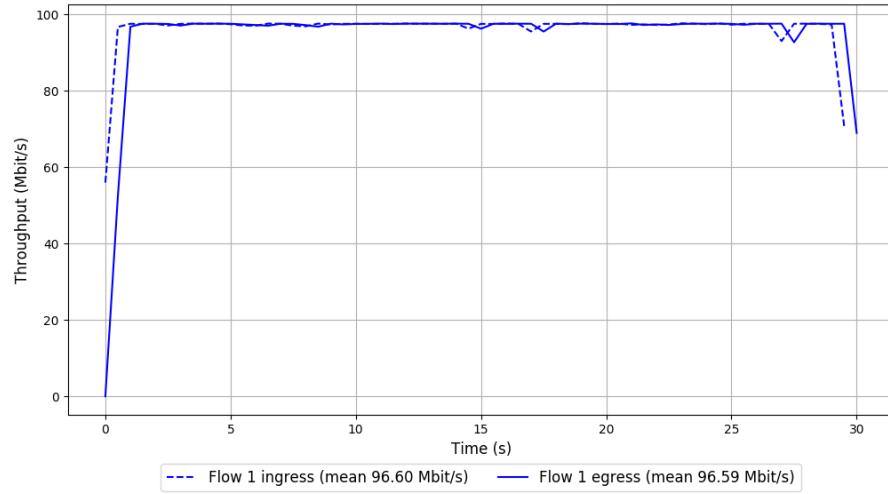
-- Flow 1:

Average throughput: 96.59 Mbit/s

95th percentile per-packet one-way delay: 18.625 ms

Loss rate: 0.09%

Run 2: Report of Indigo — Data Link



Run 3: Statistics of Indigo

Start at: 2019-05-30 06:41:50

End at: 2019-05-30 06:42:20

Local clock offset: 2.12 ms

Remote clock offset: 9.098 ms

Below is generated by plot.py at 2019-05-30 07:46:54

Datalink statistics

-- Total of 1 flow:

Average throughput: 96.74 Mbit/s

95th percentile per-packet one-way delay: 21.563 ms

Loss rate: 0.09%

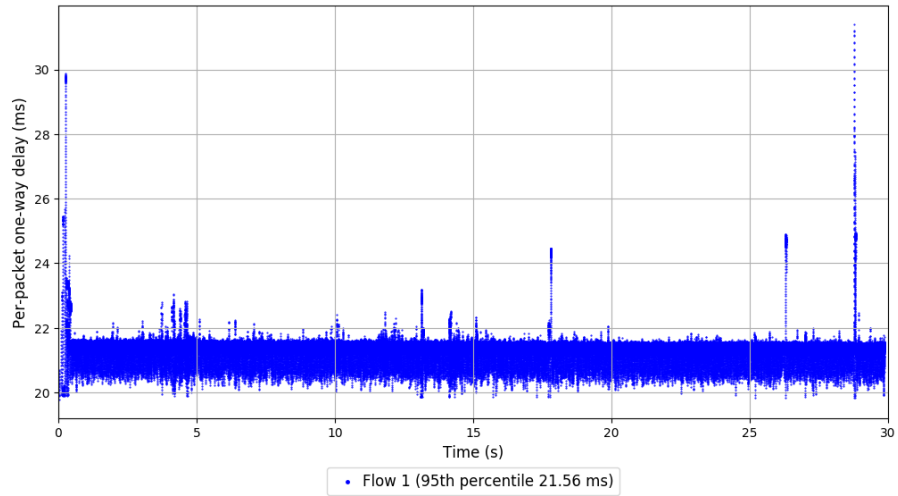
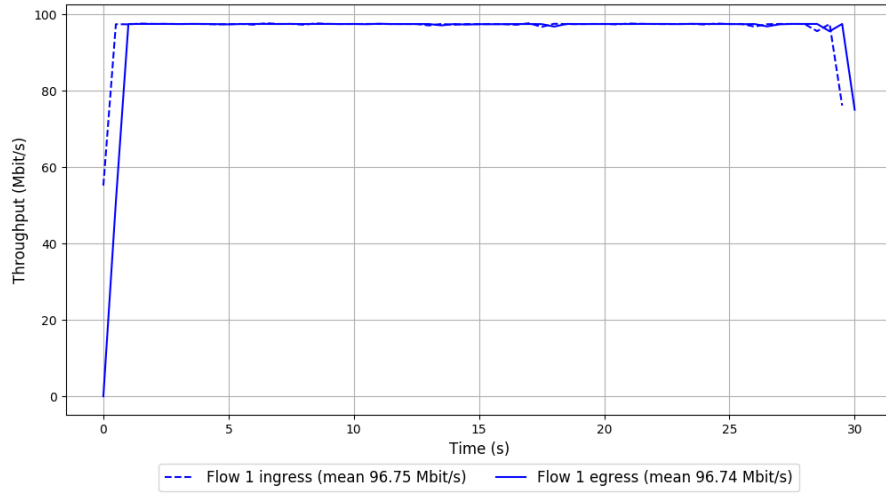
-- Flow 1:

Average throughput: 96.74 Mbit/s

95th percentile per-packet one-way delay: 21.563 ms

Loss rate: 0.09%

Run 3: Report of Indigo — Data Link



Run 4: Statistics of Indigo

Start at: 2019-05-30 07:06:24

End at: 2019-05-30 07:06:54

Local clock offset: 2.445 ms

Remote clock offset: 4.537 ms

Below is generated by plot.py at 2019-05-30 07:46:54

Datalink statistics

-- Total of 1 flow:

Average throughput: 96.69 Mbit/s

95th percentile per-packet one-way delay: 23.491 ms

Loss rate: 0.09%

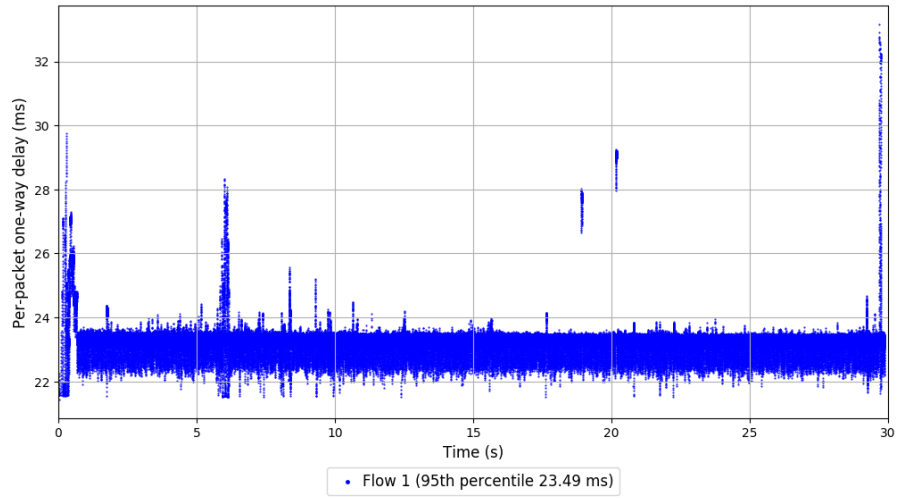
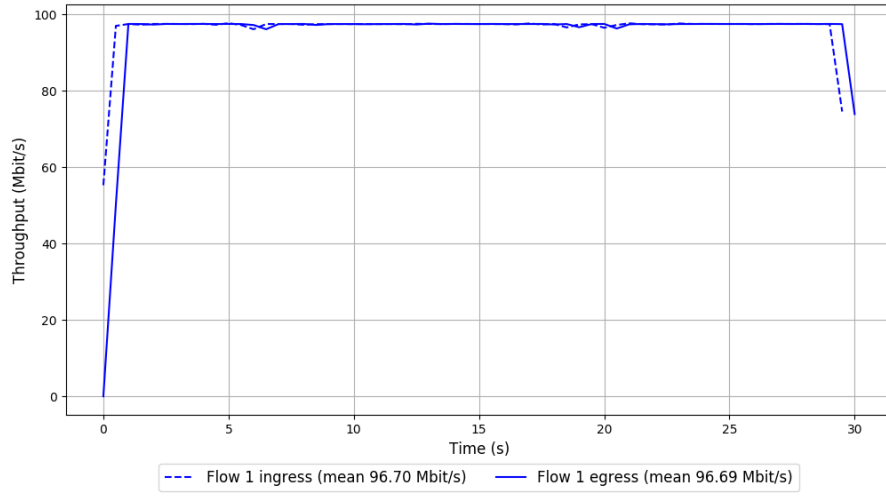
-- Flow 1:

Average throughput: 96.69 Mbit/s

95th percentile per-packet one-way delay: 23.491 ms

Loss rate: 0.09%

Run 4: Report of Indigo — Data Link



Run 5: Statistics of Indigo

Start at: 2019-05-30 07:31:05

End at: 2019-05-30 07:31:35

Local clock offset: -4.266 ms

Remote clock offset: 5.3 ms

Below is generated by plot.py at 2019-05-30 07:46:55

Datalink statistics

-- Total of 1 flow:

Average throughput: 96.84 Mbit/s

95th percentile per-packet one-way delay: 17.835 ms

Loss rate: 0.09%

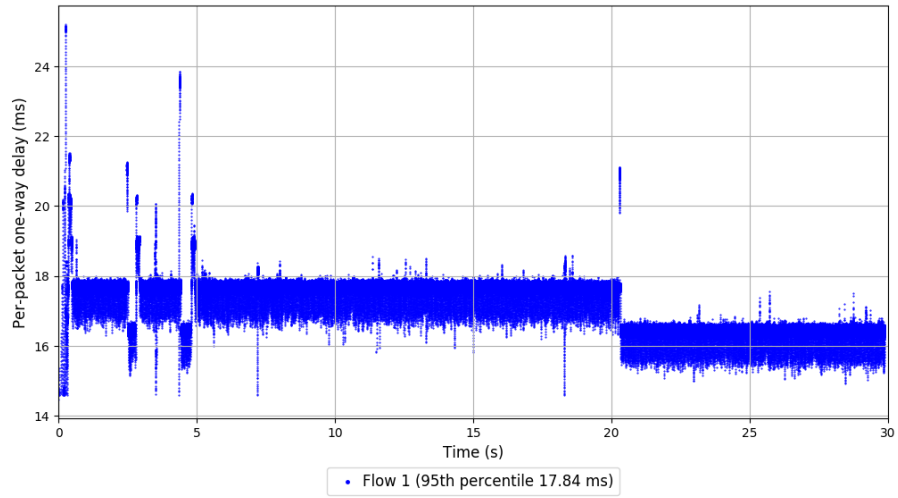
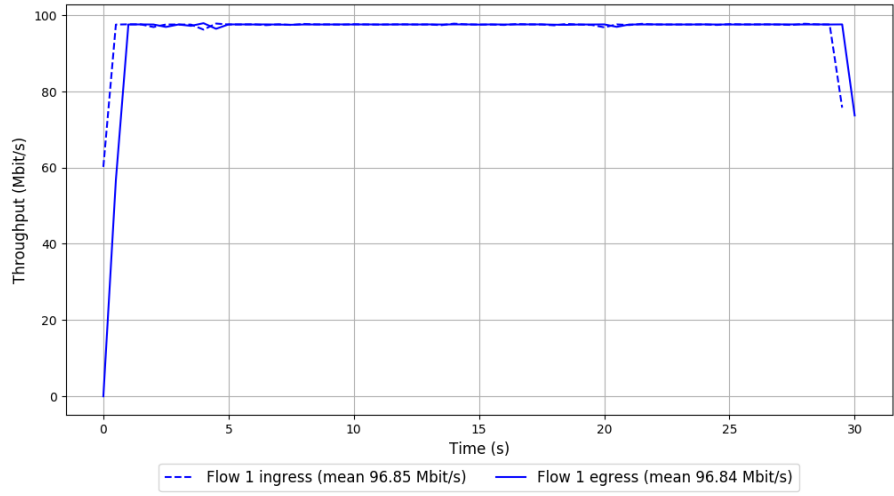
-- Flow 1:

Average throughput: 96.84 Mbit/s

95th percentile per-packet one-way delay: 17.835 ms

Loss rate: 0.09%

Run 5: Report of Indigo — Data Link



Run 1: Statistics of Indigo-MusesC3

Start at: 2019-05-30 05:45:00

End at: 2019-05-30 05:45:30

Local clock offset: -0.662 ms

Remote clock offset: 4.51 ms

Below is generated by plot.py at 2019-05-30 07:46:56

Datalink statistics

-- Total of 1 flow:

Average throughput: 96.31 Mbit/s

95th percentile per-packet one-way delay: 21.306 ms

Loss rate: 0.10%

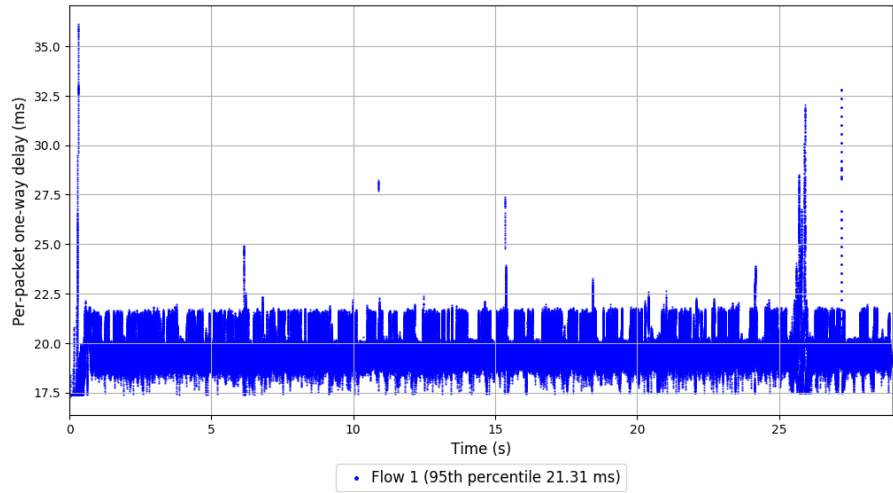
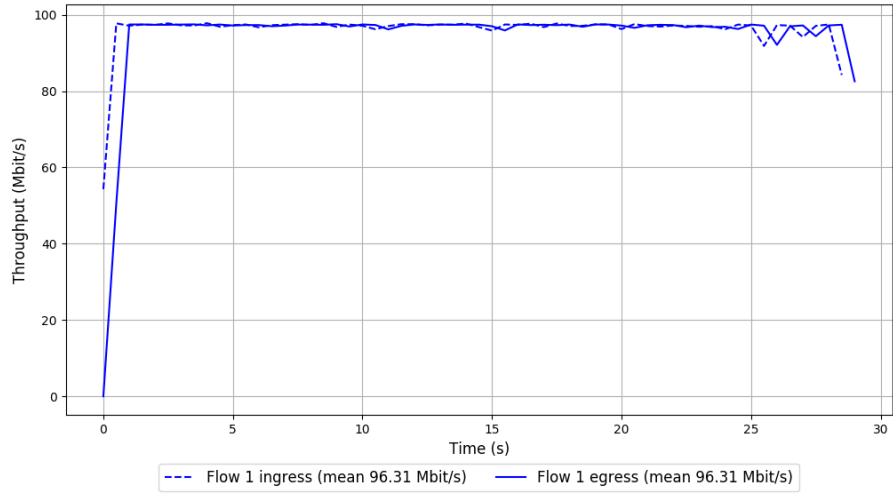
-- Flow 1:

Average throughput: 96.31 Mbit/s

95th percentile per-packet one-way delay: 21.306 ms

Loss rate: 0.10%

Run 1: Report of Indigo-MusesC3 — Data Link



Run 2: Statistics of Indigo-MusesC3

Start at: 2019-05-30 06:10:01

End at: 2019-05-30 06:10:32

Local clock offset: 2.745 ms

Remote clock offset: 7.341 ms

Below is generated by plot.py at 2019-05-30 07:47:22

Datalink statistics

-- Total of 1 flow:

Average throughput: 96.42 Mbit/s

95th percentile per-packet one-way delay: 25.770 ms

Loss rate: 0.10%

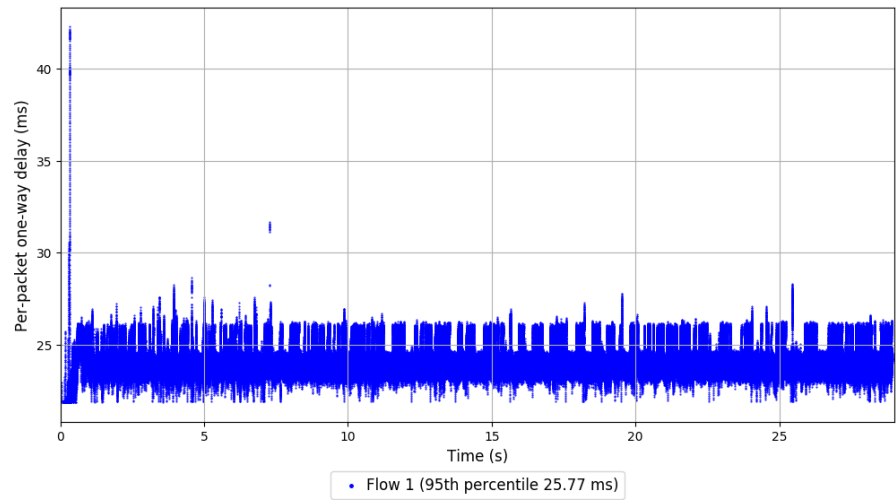
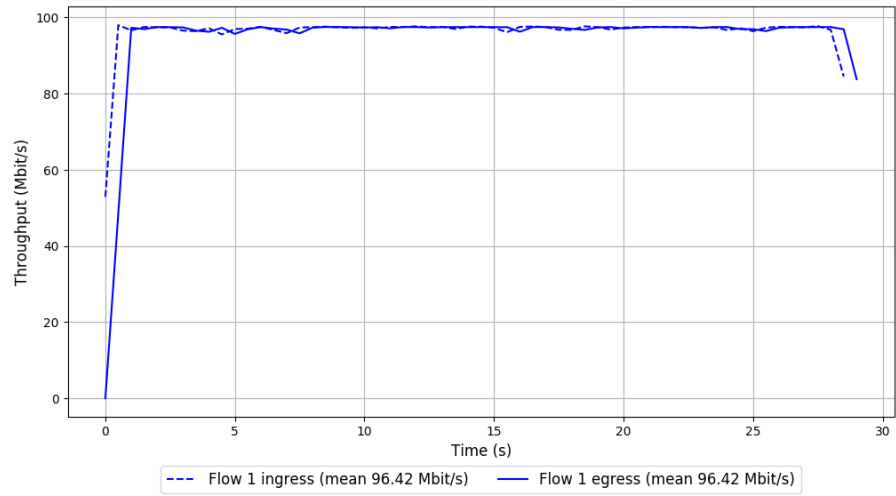
-- Flow 1:

Average throughput: 96.42 Mbit/s

95th percentile per-packet one-way delay: 25.770 ms

Loss rate: 0.10%

Run 2: Report of Indigo-MusesC3 — Data Link



Run 3: Statistics of Indigo-MusesC3

Start at: 2019-05-30 06:34:43

End at: 2019-05-30 06:35:13

Local clock offset: -1.398 ms

Remote clock offset: 8.476 ms

Below is generated by plot.py at 2019-05-30 07:47:25

Datalink statistics

-- Total of 1 flow:

Average throughput: 96.46 Mbit/s

95th percentile per-packet one-way delay: 21.028 ms

Loss rate: 0.09%

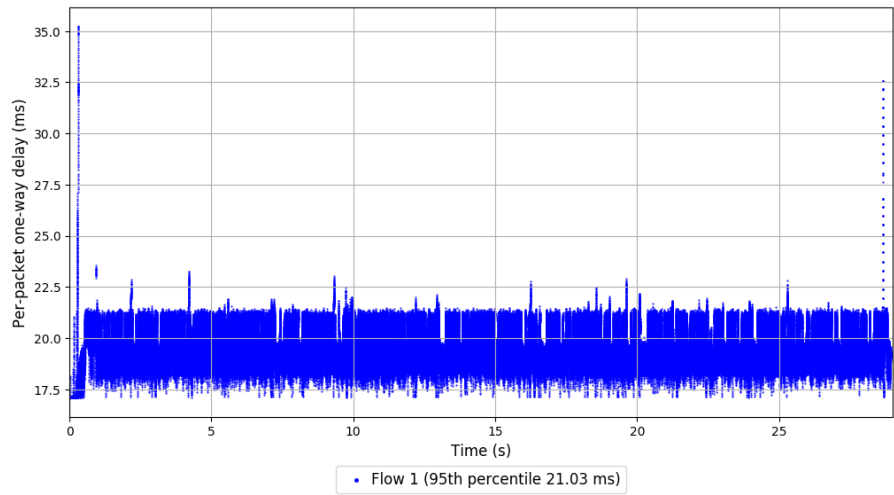
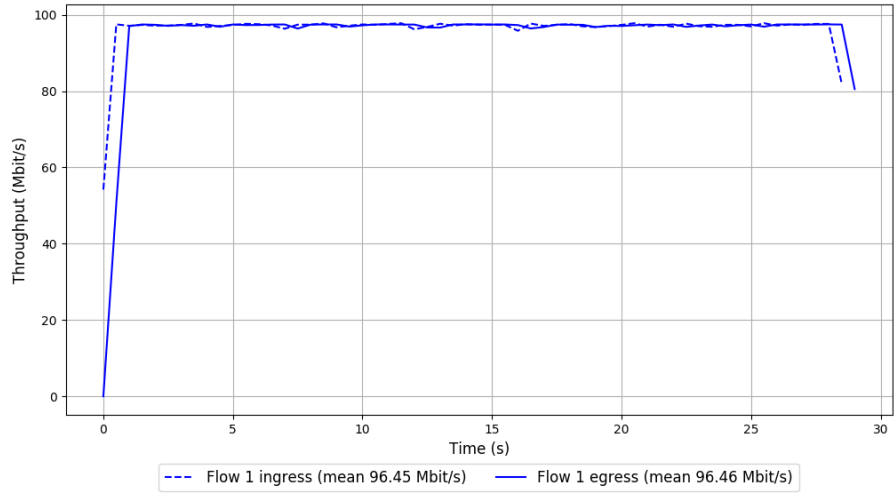
-- Flow 1:

Average throughput: 96.46 Mbit/s

95th percentile per-packet one-way delay: 21.028 ms

Loss rate: 0.09%

Run 3: Report of Indigo-MusesC3 — Data Link



Run 4: Statistics of Indigo-MusesC3

Start at: 2019-05-30 06:59:24

End at: 2019-05-30 06:59:54

Local clock offset: 2.13 ms

Remote clock offset: 4.93 ms

Below is generated by plot.py at 2019-05-30 07:47:26

Datalink statistics

-- Total of 1 flow:

Average throughput: 96.43 Mbit/s

95th percentile per-packet one-way delay: 25.773 ms

Loss rate: 0.09%

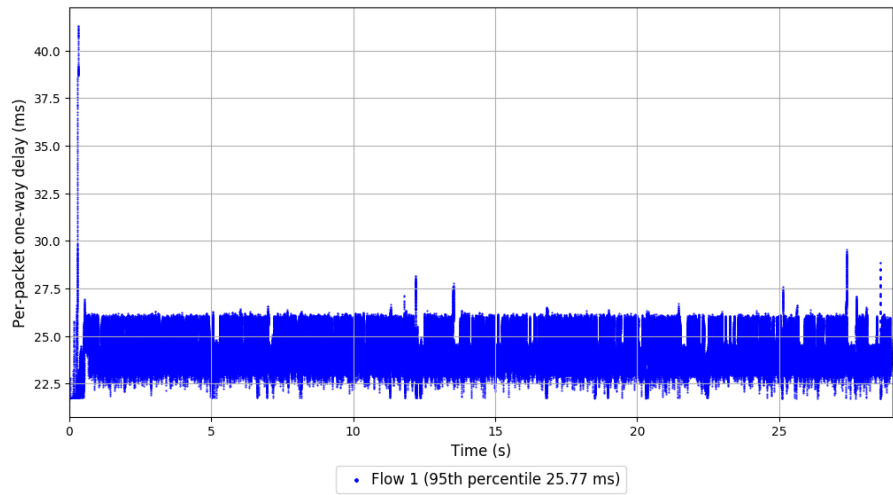
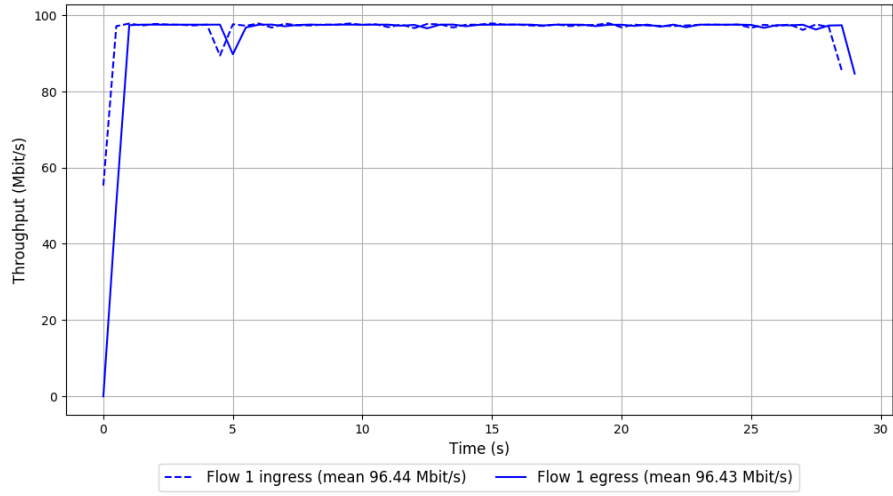
-- Flow 1:

Average throughput: 96.43 Mbit/s

95th percentile per-packet one-way delay: 25.773 ms

Loss rate: 0.09%

Run 4: Report of Indigo-MusesC3 — Data Link



Run 5: Statistics of Indigo-MusesC3

Start at: 2019-05-30 07:24:01

End at: 2019-05-30 07:24:31

Local clock offset: -3.513 ms

Remote clock offset: 5.692 ms

Below is generated by plot.py at 2019-05-30 07:47:36

Datalink statistics

-- Total of 1 flow:

Average throughput: 96.60 Mbit/s

95th percentile per-packet one-way delay: 18.419 ms

Loss rate: 0.10%

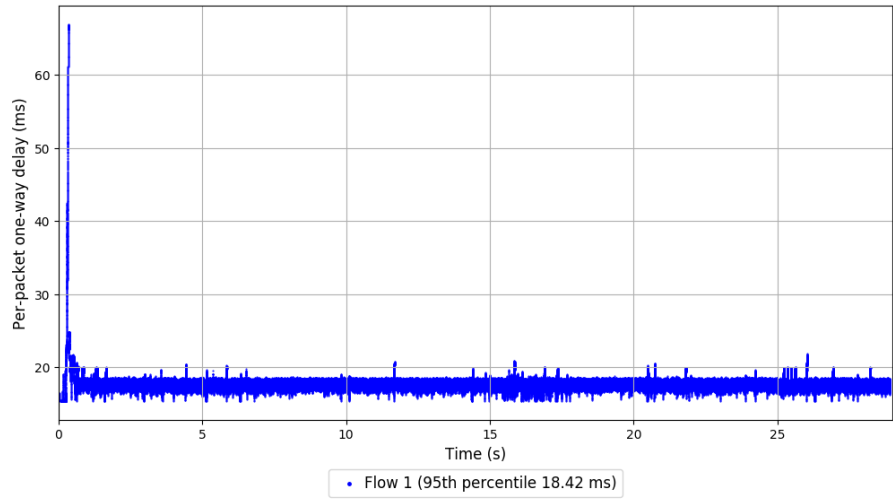
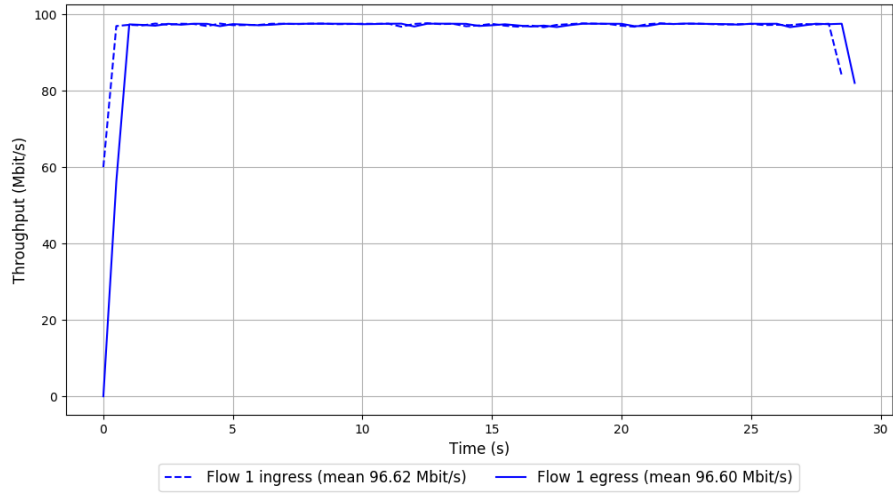
-- Flow 1:

Average throughput: 96.60 Mbit/s

95th percentile per-packet one-way delay: 18.419 ms

Loss rate: 0.10%

Run 5: Report of Indigo-MusesC3 — Data Link



Run 1: Statistics of Indigo-MusesC5

Start at: 2019-05-30 05:57:02

End at: 2019-05-30 05:57:32

Local clock offset: -1.824 ms

Remote clock offset: 6.993 ms

Below is generated by plot.py at 2019-05-30 07:47:57

Datalink statistics

-- Total of 1 flow:

Average throughput: 96.19 Mbit/s

95th percentile per-packet one-way delay: 18.659 ms

Loss rate: 0.09%

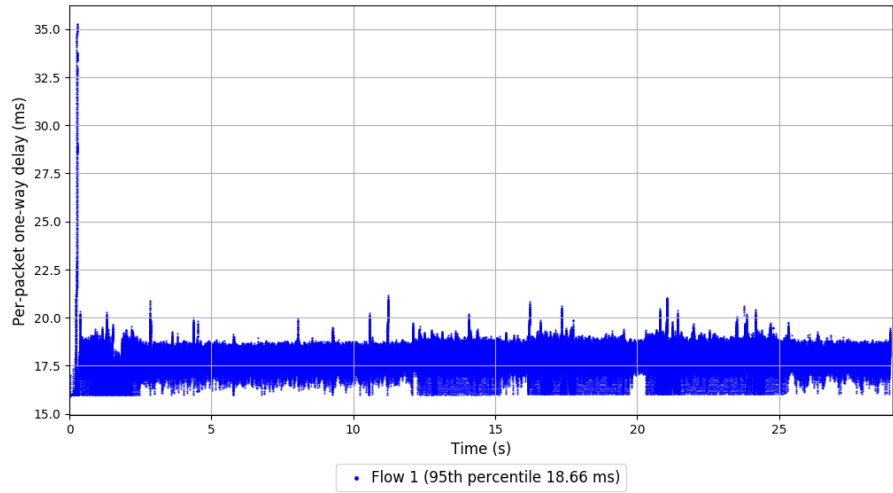
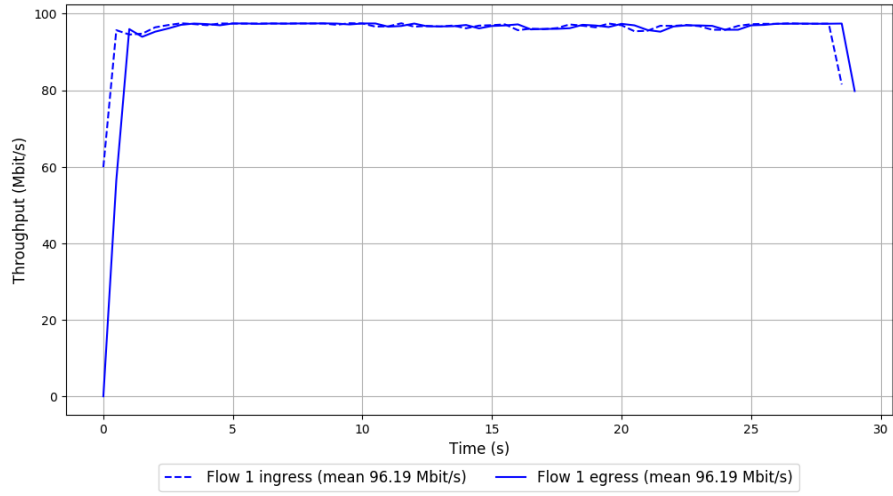
-- Flow 1:

Average throughput: 96.19 Mbit/s

95th percentile per-packet one-way delay: 18.659 ms

Loss rate: 0.09%

Run 1: Report of Indigo-MusesC5 — Data Link



Run 2: Statistics of Indigo-MusesC5

Start at: 2019-05-30 06:22:00

End at: 2019-05-30 06:22:30

Local clock offset: -3.291 ms

Remote clock offset: 9.953 ms

Below is generated by plot.py at 2019-05-30 07:47:57

Datalink statistics

-- Total of 1 flow:

Average throughput: 95.13 Mbit/s

95th percentile per-packet one-way delay: 17.275 ms

Loss rate: 0.09%

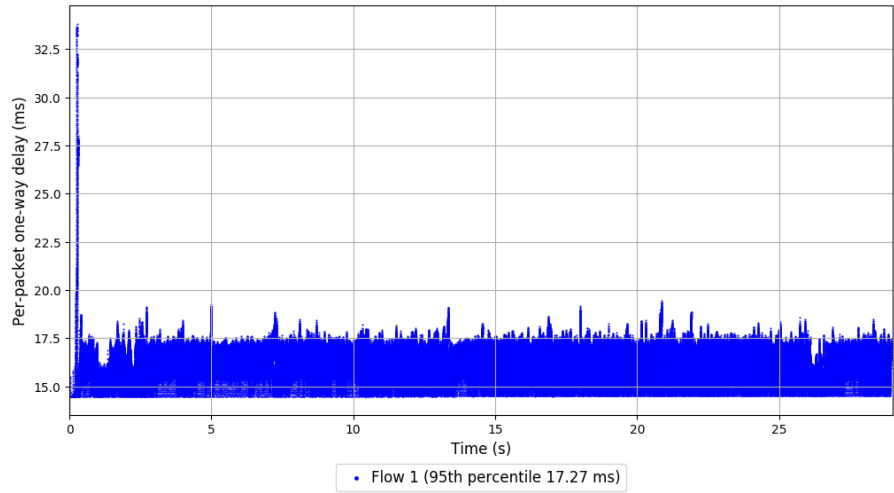
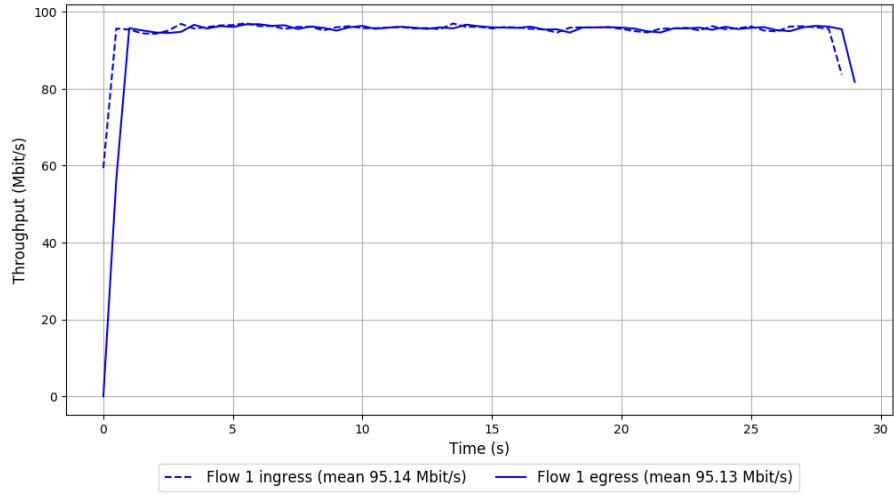
-- Flow 1:

Average throughput: 95.13 Mbit/s

95th percentile per-packet one-way delay: 17.275 ms

Loss rate: 0.09%

Run 2: Report of Indigo-MusesC5 — Data Link



Run 3: Statistics of Indigo-MusesC5

Start at: 2019-05-30 06:46:36

End at: 2019-05-30 06:47:06

Local clock offset: 2.055 ms

Remote clock offset: 8.047 ms

Below is generated by plot.py at 2019-05-30 07:47:58

Datalink statistics

-- Total of 1 flow:

Average throughput: 96.27 Mbit/s

95th percentile per-packet one-way delay: 22.807 ms

Loss rate: 0.09%

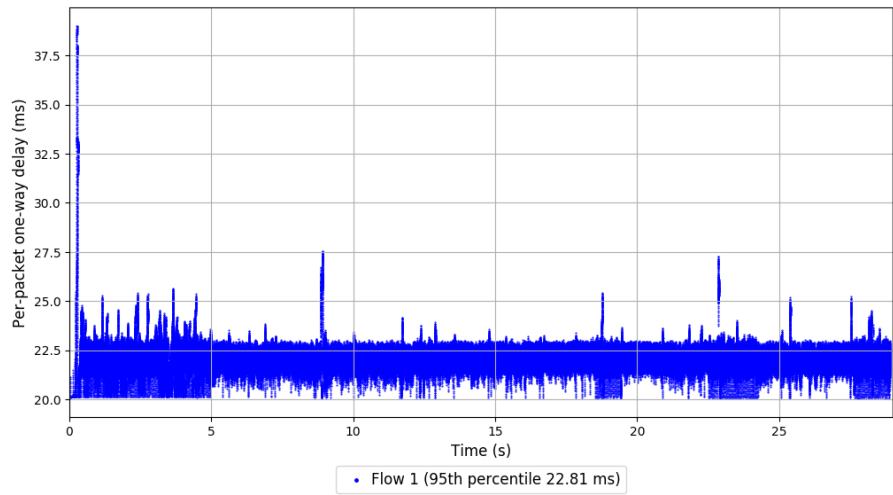
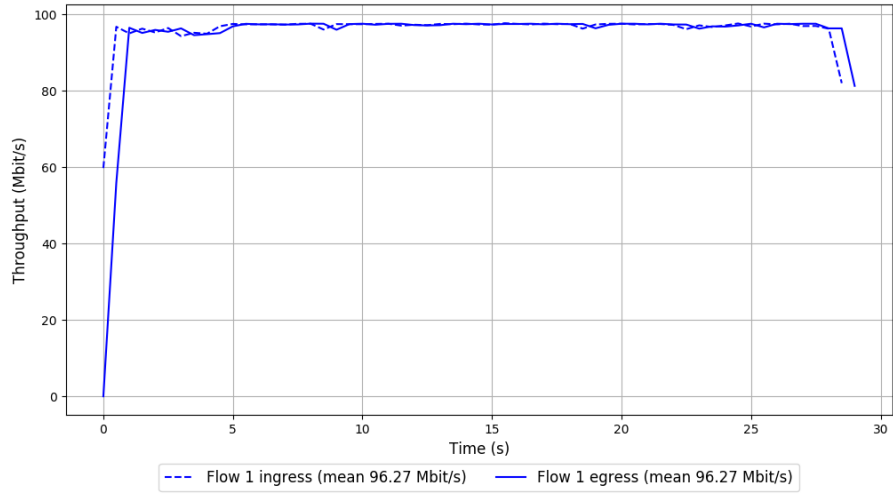
-- Flow 1:

Average throughput: 96.27 Mbit/s

95th percentile per-packet one-way delay: 22.807 ms

Loss rate: 0.09%

Run 3: Report of Indigo-MusesC5 — Data Link



Run 4: Statistics of Indigo-MusesC5

Start at: 2019-05-30 07:11:13

End at: 2019-05-30 07:11:43

Local clock offset: 2.585 ms

Remote clock offset: 5.734 ms

Below is generated by plot.py at 2019-05-30 07:48:00

Datalink statistics

-- Total of 1 flow:

Average throughput: 96.26 Mbit/s

95th percentile per-packet one-way delay: 24.040 ms

Loss rate: 0.10%

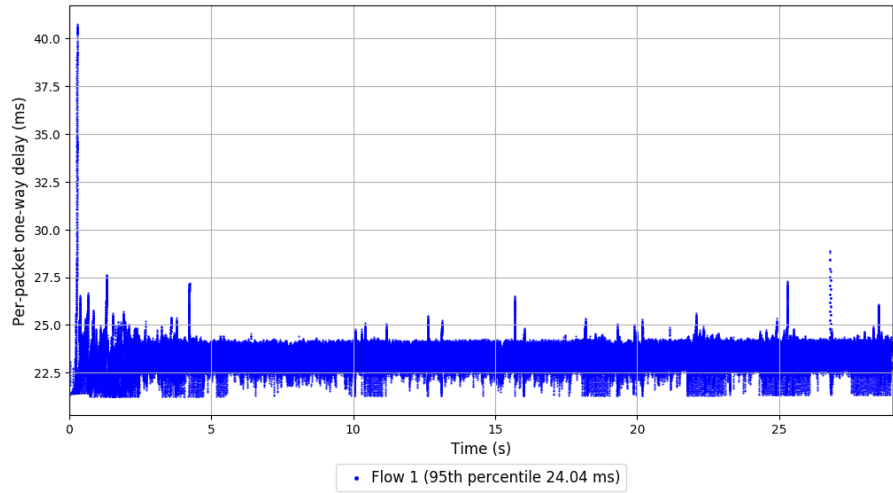
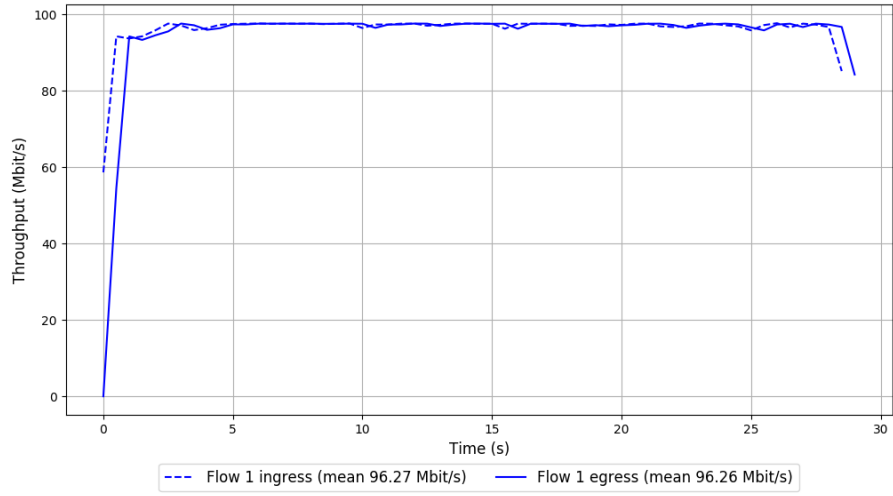
-- Flow 1:

Average throughput: 96.26 Mbit/s

95th percentile per-packet one-way delay: 24.040 ms

Loss rate: 0.10%

Run 4: Report of Indigo-MusesC5 — Data Link

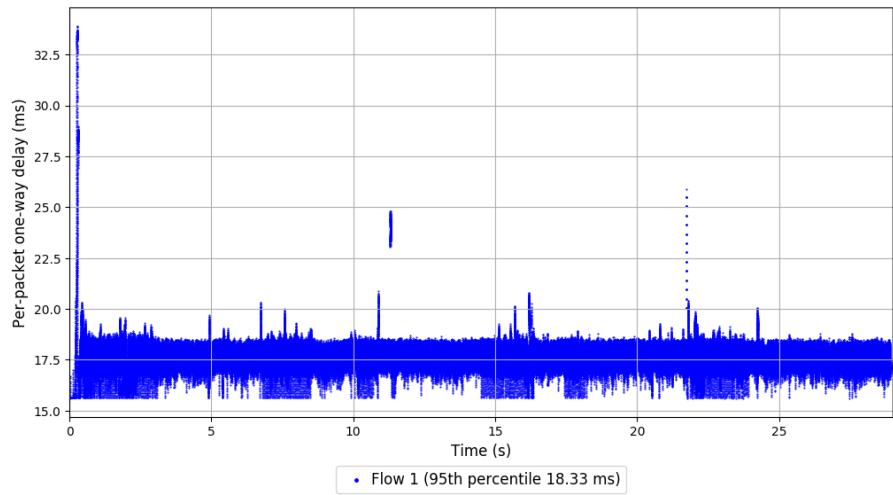
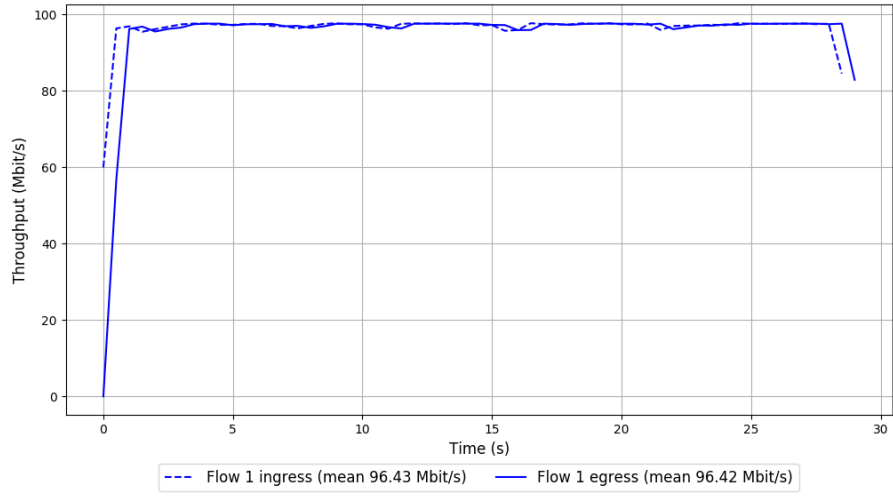


Run 5: Statistics of Indigo-MusesC5

Start at: 2019-05-30 07:35:45
End at: 2019-05-30 07:36:15
Local clock offset: -8.918 ms
Remote clock offset: -0.699 ms

Below is generated by plot.py at 2019-05-30 07:48:23
Datalink statistics
-- Total of 1 flow:
Average throughput: 96.42 Mbit/s
95th percentile per-packet one-way delay: 18.329 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 96.42 Mbit/s
95th percentile per-packet one-way delay: 18.329 ms
Loss rate: 0.09%

Run 5: Report of Indigo-MusesC5 — Data Link



Run 1: Statistics of Indigo-MusesD

Start at: 2019-05-30 05:47:18

End at: 2019-05-30 05:47:48

Local clock offset: -1.141 ms

Remote clock offset: 4.748 ms

Below is generated by plot.py at 2019-05-30 07:48:28

Datalink statistics

-- Total of 1 flow:

Average throughput: 94.86 Mbit/s

95th percentile per-packet one-way delay: 20.077 ms

Loss rate: 0.09%

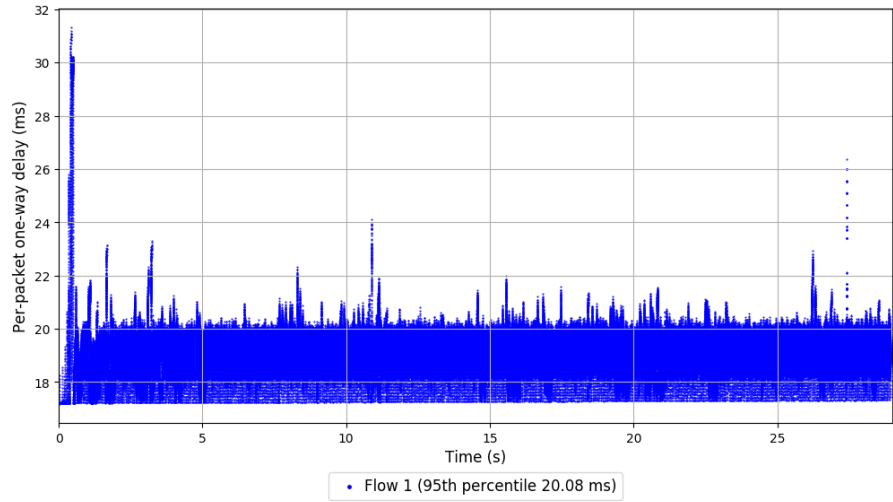
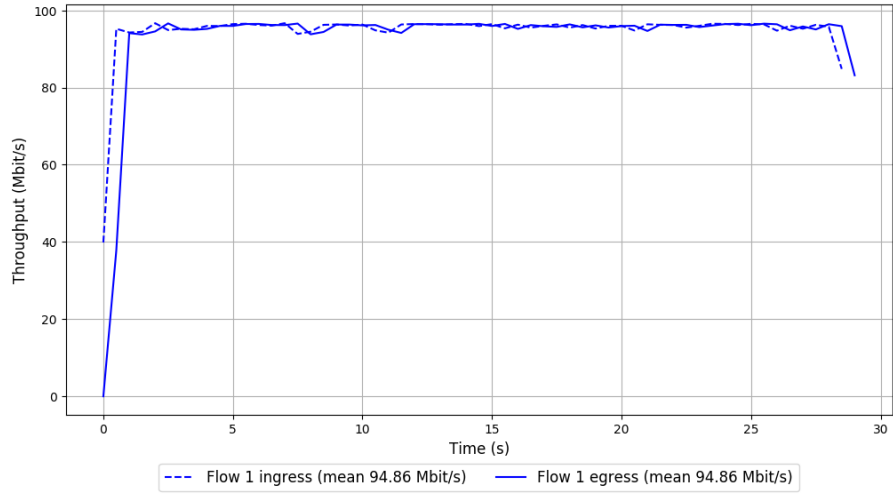
-- Flow 1:

Average throughput: 94.86 Mbit/s

95th percentile per-packet one-way delay: 20.077 ms

Loss rate: 0.09%

Run 1: Report of Indigo-MusesD — Data Link



Run 2: Statistics of Indigo-MusesD

Start at: 2019-05-30 06:12:19

End at: 2019-05-30 06:12:49

Local clock offset: 2.609 ms

Remote clock offset: 7.327 ms

Below is generated by plot.py at 2019-05-30 07:48:29

Datalink statistics

-- Total of 1 flow:

Average throughput: 94.22 Mbit/s

95th percentile per-packet one-way delay: 25.448 ms

Loss rate: 0.09%

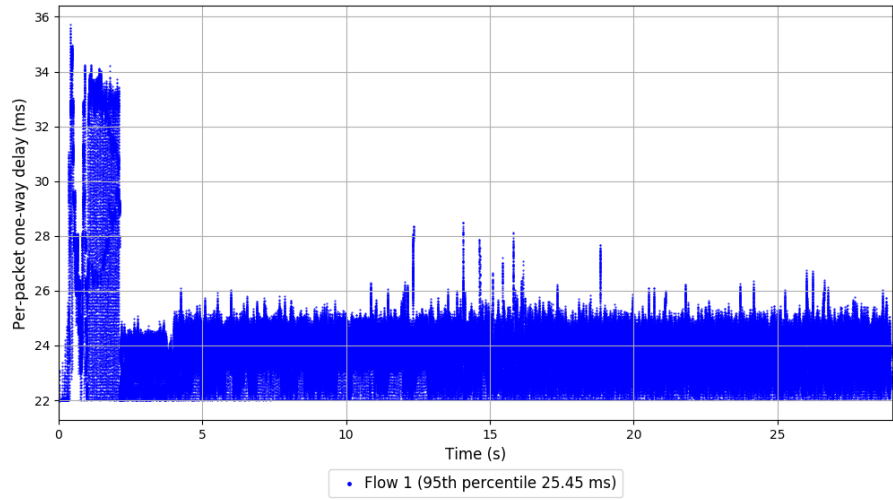
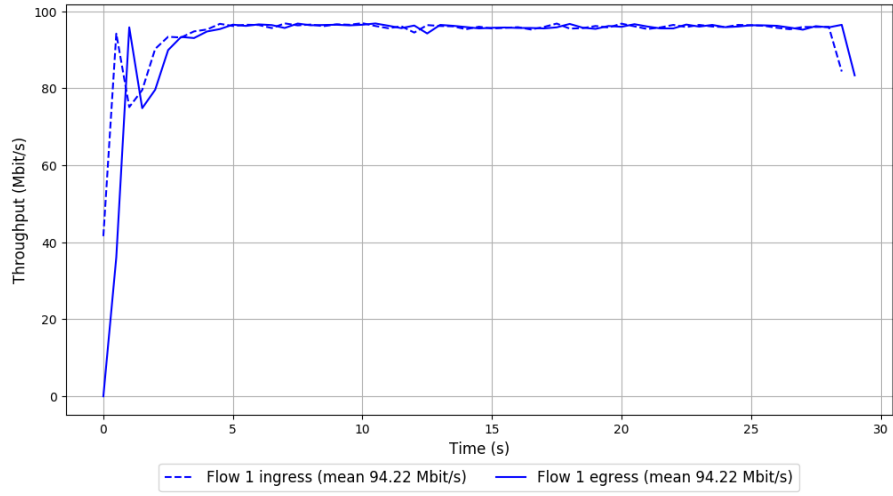
-- Flow 1:

Average throughput: 94.22 Mbit/s

95th percentile per-packet one-way delay: 25.448 ms

Loss rate: 0.09%

Run 2: Report of Indigo-MusesD — Data Link



Run 3: Statistics of Indigo-MusesD

Start at: 2019-05-30 06:37:00

End at: 2019-05-30 06:37:30

Local clock offset: -1.524 ms

Remote clock offset: 8.618 ms

Below is generated by plot.py at 2019-05-30 07:48:48

Datalink statistics

-- Total of 1 flow:

Average throughput: 95.21 Mbit/s

95th percentile per-packet one-way delay: 19.755 ms

Loss rate: 0.09%

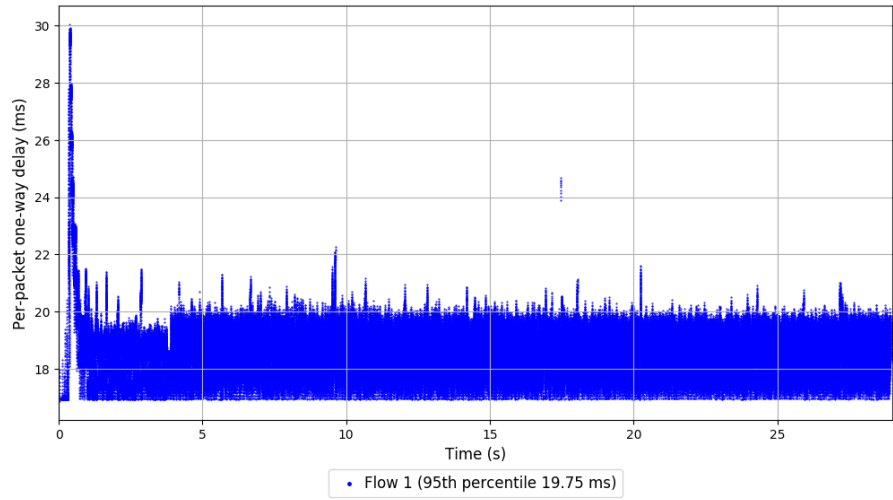
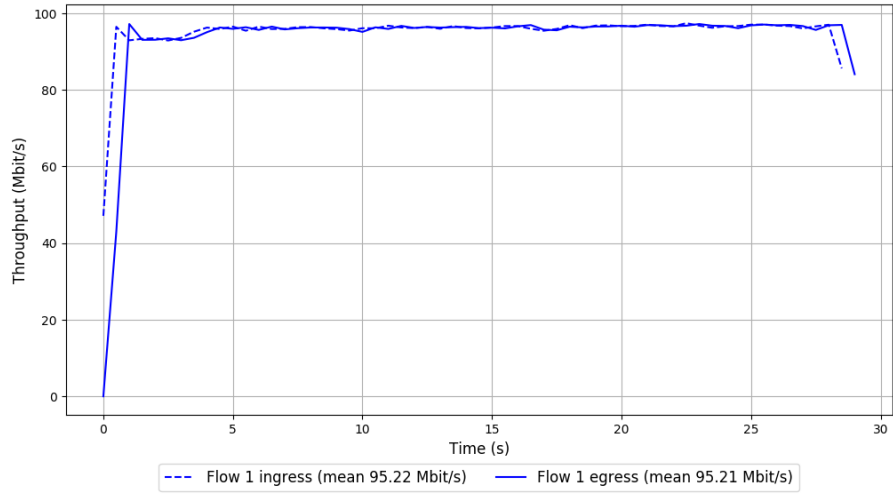
-- Flow 1:

Average throughput: 95.21 Mbit/s

95th percentile per-packet one-way delay: 19.755 ms

Loss rate: 0.09%

Run 3: Report of Indigo-MusesD — Data Link



Run 4: Statistics of Indigo-MusesD

Start at: 2019-05-30 07:01:39

End at: 2019-05-30 07:02:09

Local clock offset: 3.18 ms

Remote clock offset: 5.431 ms

Below is generated by plot.py at 2019-05-30 07:49:00

Datalink statistics

-- Total of 1 flow:

Average throughput: 94.32 Mbit/s

95th percentile per-packet one-way delay: 25.814 ms

Loss rate: 0.11%

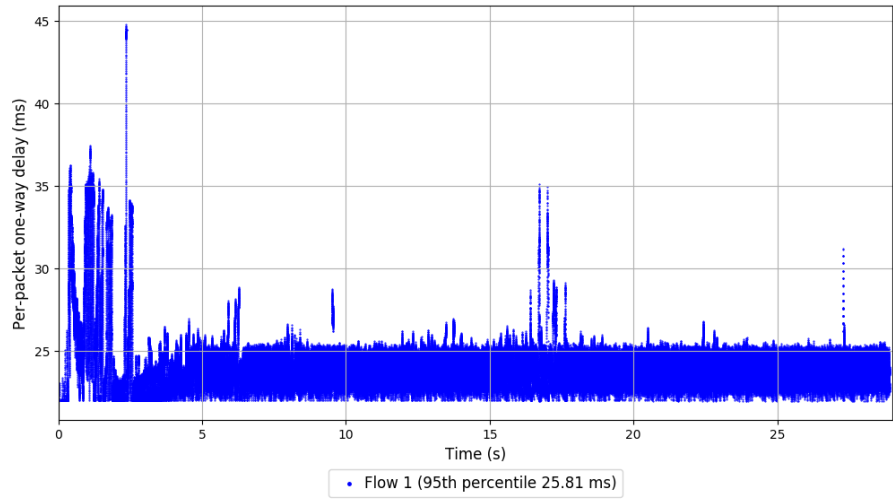
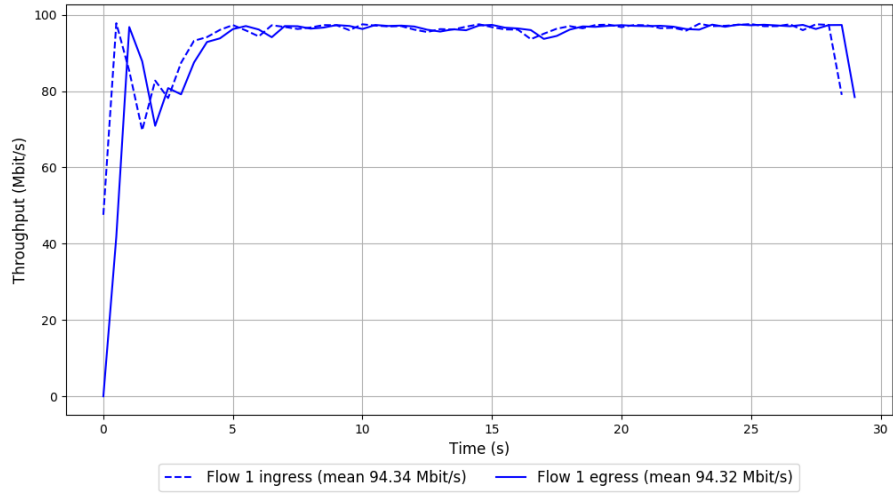
-- Flow 1:

Average throughput: 94.32 Mbit/s

95th percentile per-packet one-way delay: 25.814 ms

Loss rate: 0.11%

Run 4: Report of Indigo-MusesD — Data Link



Run 5: Statistics of Indigo-MusesD

Start at: 2019-05-30 07:26:16

End at: 2019-05-30 07:26:46

Local clock offset: -3.791 ms

Remote clock offset: 4.01 ms

Below is generated by plot.py at 2019-05-30 07:49:01

Datalink statistics

-- Total of 1 flow:

Average throughput: 95.18 Mbit/s

95th percentile per-packet one-way delay: 19.607 ms

Loss rate: 0.09%

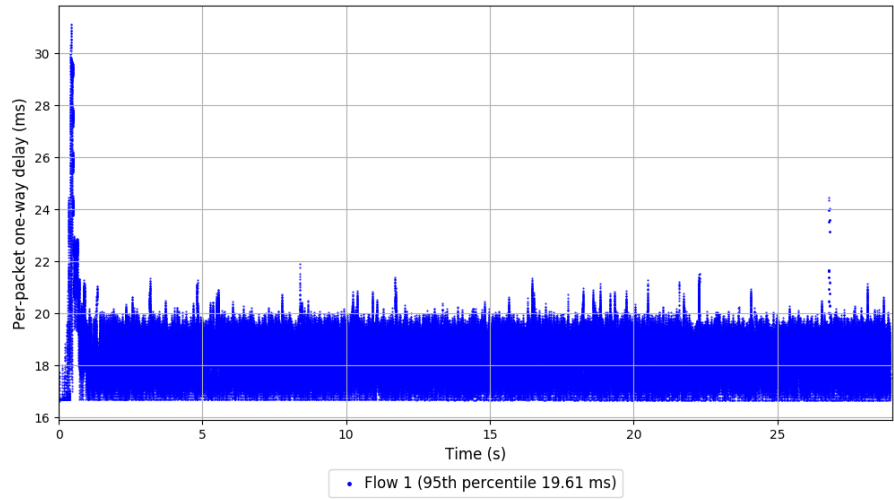
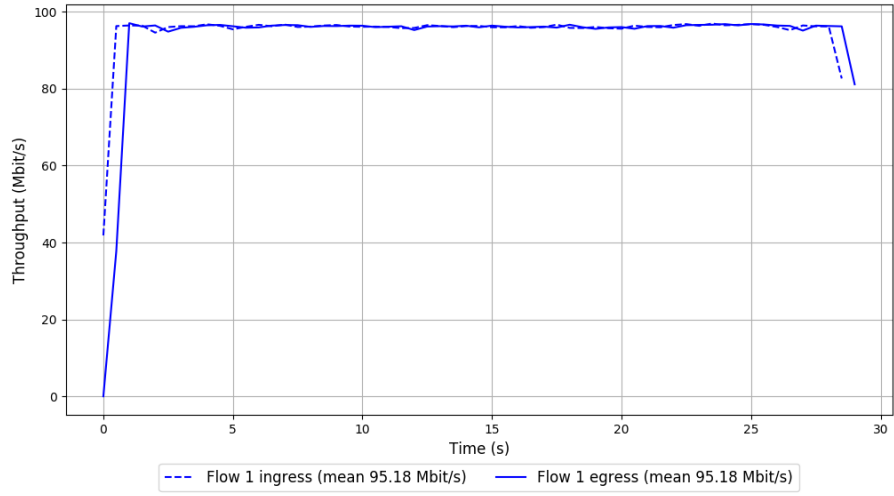
-- Flow 1:

Average throughput: 95.18 Mbit/s

95th percentile per-packet one-way delay: 19.607 ms

Loss rate: 0.09%

Run 5: Report of Indigo-MusesD — Data Link



Run 1: Statistics of Indigo-MuseST

Start at: 2019-05-30 05:42:41

End at: 2019-05-30 05:43:11

Local clock offset: -1.256 ms

Remote clock offset: 5.203 ms

Below is generated by plot.py at 2019-05-30 07:49:02

Datalink statistics

-- Total of 1 flow:

Average throughput: 96.34 Mbit/s

95th percentile per-packet one-way delay: 19.264 ms

Loss rate: 0.10%

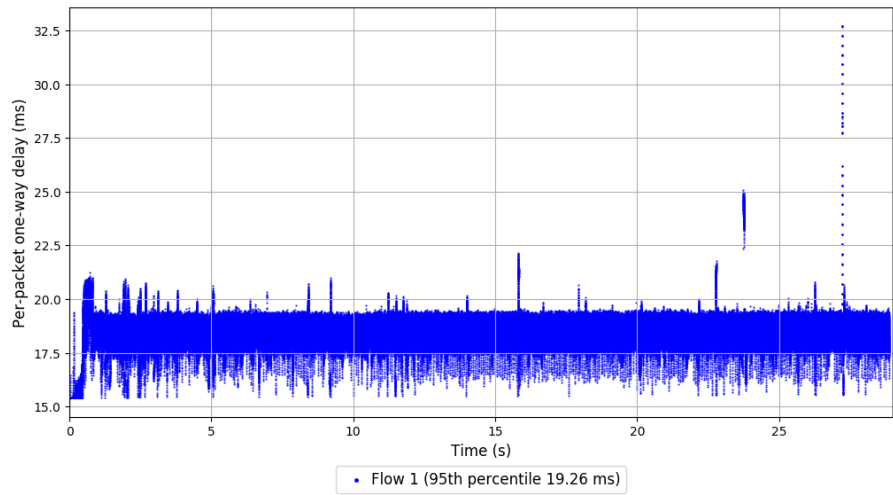
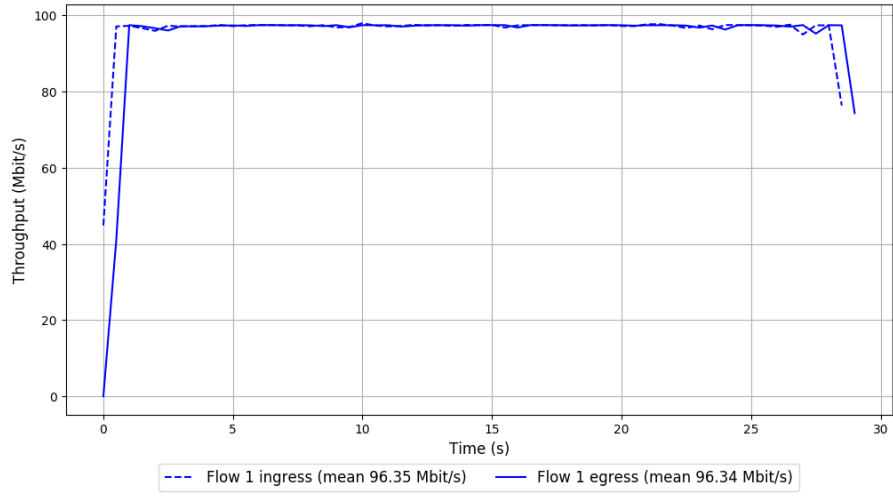
-- Flow 1:

Average throughput: 96.34 Mbit/s

95th percentile per-packet one-way delay: 19.264 ms

Loss rate: 0.10%

Run 1: Report of Indigo-MusesT — Data Link



Run 2: Statistics of Indigo-MuseST

Start at: 2019-05-30 06:07:35

End at: 2019-05-30 06:08:05

Local clock offset: 2.933 ms

Remote clock offset: 6.712 ms

Below is generated by plot.py at 2019-05-30 07:49:04

Datalink statistics

-- Total of 1 flow:

Average throughput: 96.34 Mbit/s

95th percentile per-packet one-way delay: 26.316 ms

Loss rate: 0.10%

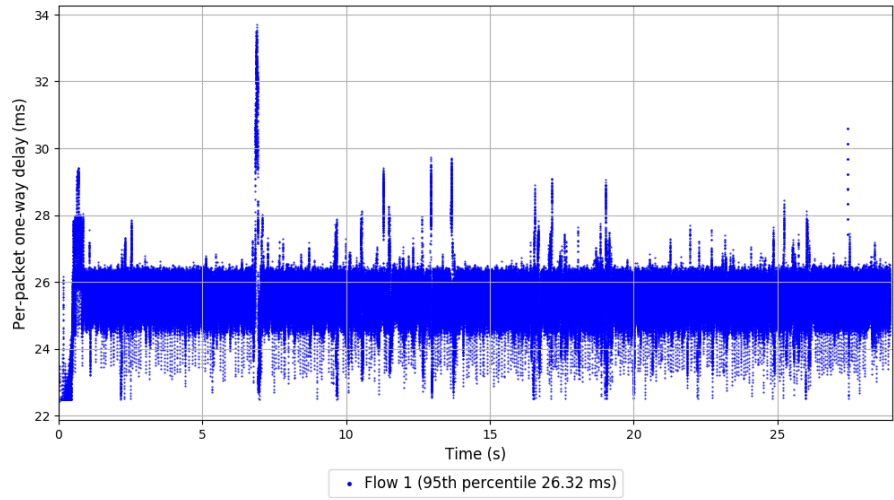
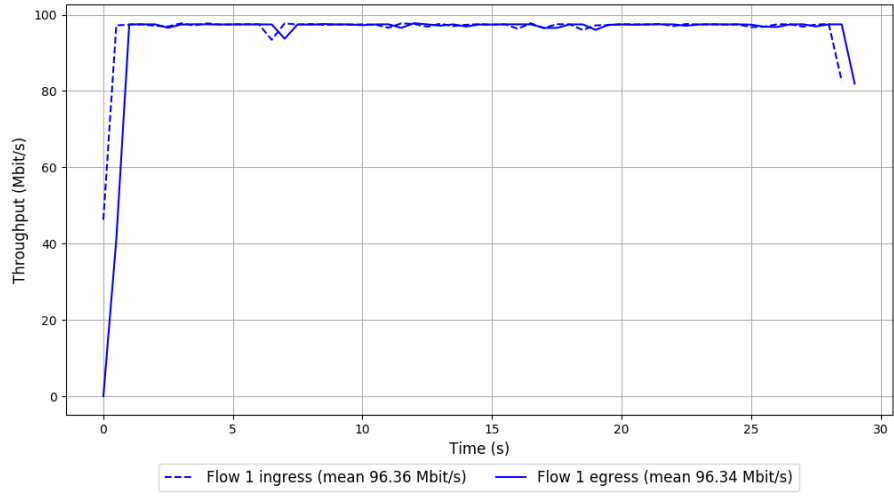
-- Flow 1:

Average throughput: 96.34 Mbit/s

95th percentile per-packet one-way delay: 26.316 ms

Loss rate: 0.10%

Run 2: Report of Indigo-MusesT — Data Link



Run 3: Statistics of Indigo-MuseST

Start at: 2019-05-30 06:32:20

End at: 2019-05-30 06:32:50

Local clock offset: -1.864 ms

Remote clock offset: 8.728 ms

Below is generated by plot.py at 2019-05-30 07:49:30

Datalink statistics

-- Total of 1 flow:

Average throughput: 96.40 Mbit/s

95th percentile per-packet one-way delay: 20.139 ms

Loss rate: 0.10%

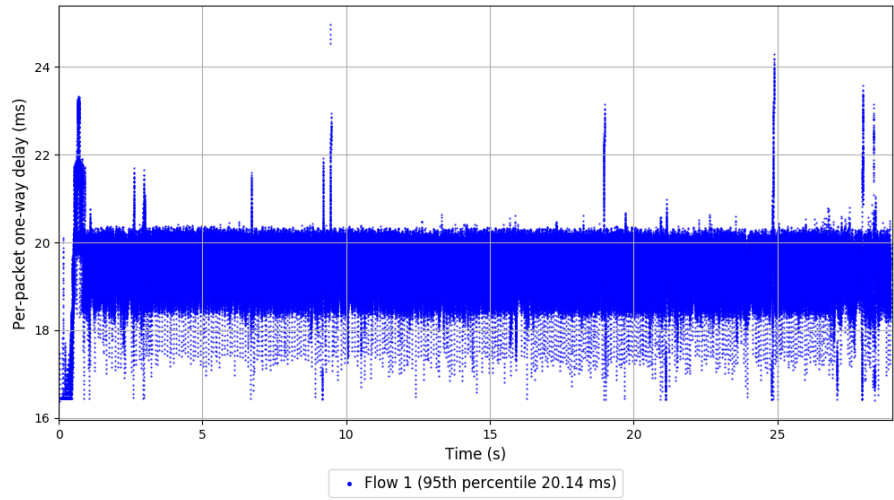
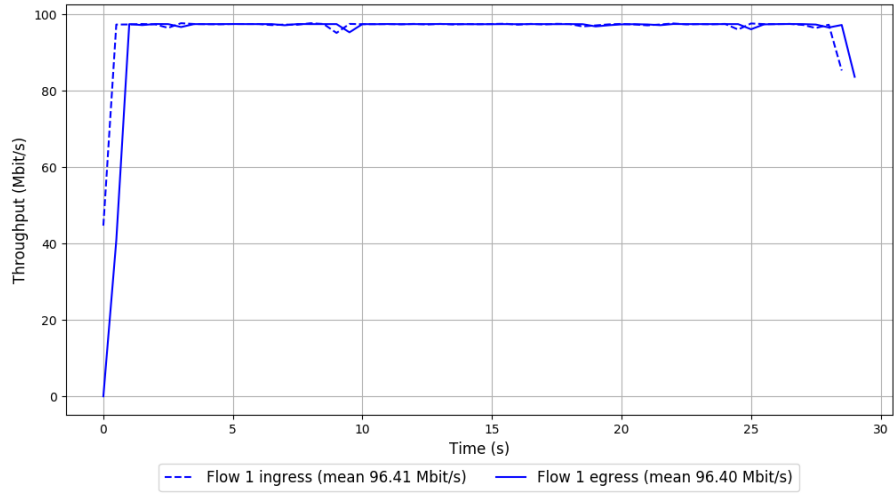
-- Flow 1:

Average throughput: 96.40 Mbit/s

95th percentile per-packet one-way delay: 20.139 ms

Loss rate: 0.10%

Run 3: Report of Indigo-MusesT — Data Link



Run 4: Statistics of Indigo-MuseST

Start at: 2019-05-30 06:57:07

End at: 2019-05-30 06:57:37

Local clock offset: 2.595 ms

Remote clock offset: 7.083 ms

Below is generated by plot.py at 2019-05-30 07:49:32

Datalink statistics

-- Total of 1 flow:

Average throughput: 96.31 Mbit/s

95th percentile per-packet one-way delay: 24.193 ms

Loss rate: 0.10%

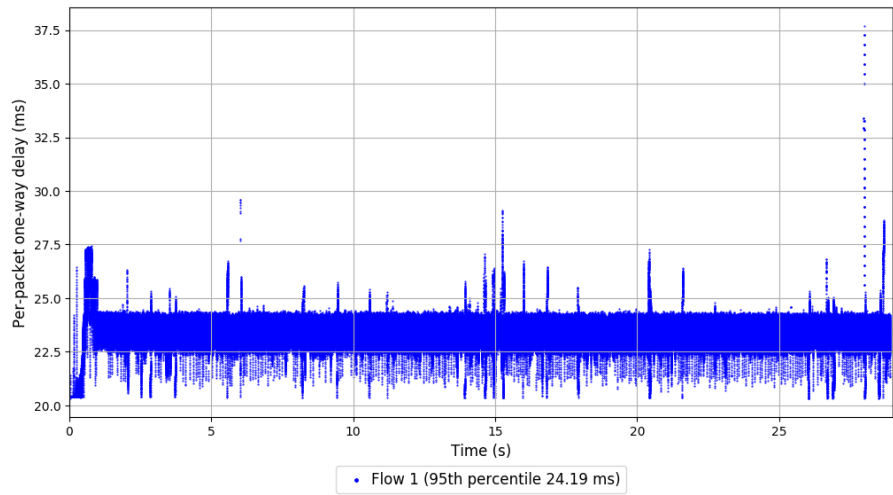
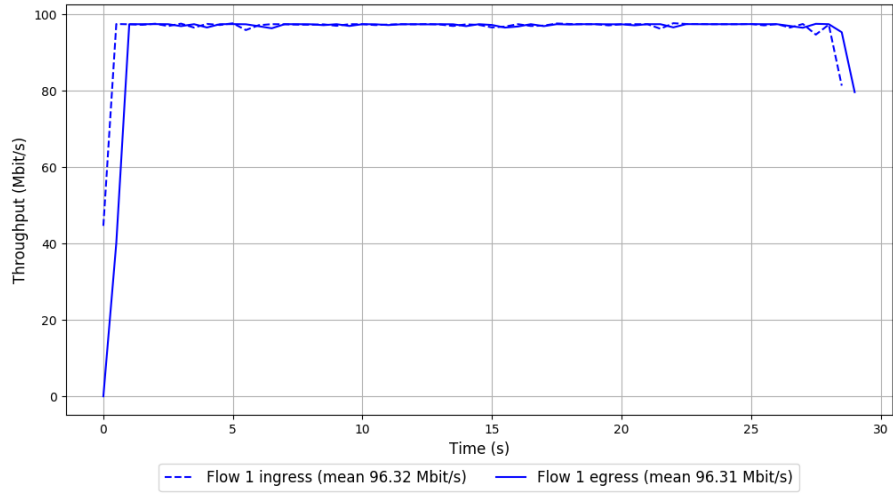
-- Flow 1:

Average throughput: 96.31 Mbit/s

95th percentile per-packet one-way delay: 24.193 ms

Loss rate: 0.10%

Run 4: Report of Indigo-MusesT — Data Link



Run 5: Statistics of Indigo-MuseST

Start at: 2019-05-30 07:21:42

End at: 2019-05-30 07:22:12

Local clock offset: 1.271 ms

Remote clock offset: 3.493 ms

Below is generated by plot.py at 2019-05-30 07:49:33

Datalink statistics

-- Total of 1 flow:

Average throughput: 96.34 Mbit/s

95th percentile per-packet one-way delay: 26.508 ms

Loss rate: 0.10%

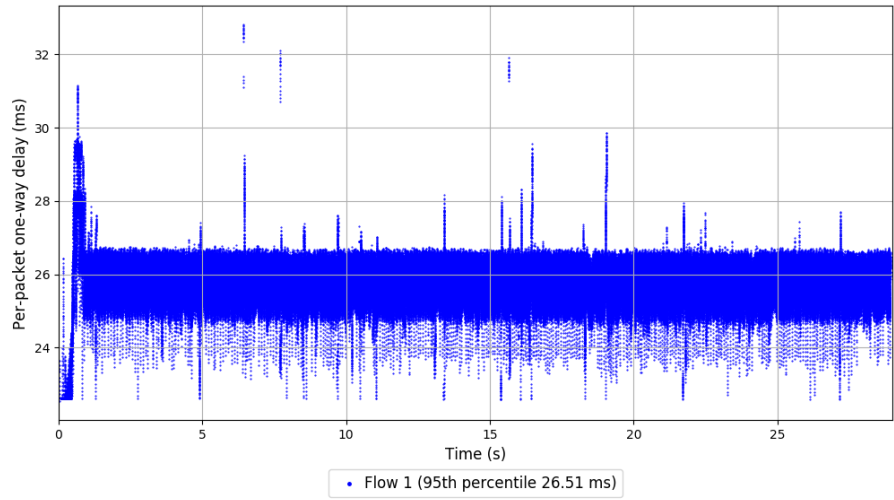
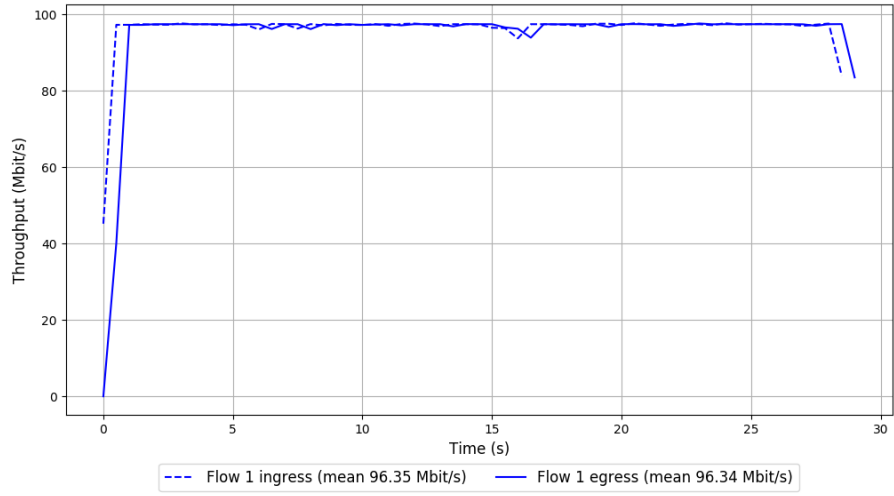
-- Flow 1:

Average throughput: 96.34 Mbit/s

95th percentile per-packet one-way delay: 26.508 ms

Loss rate: 0.10%

Run 5: Report of Indigo-MusesT — Data Link



Run 1: Statistics of LEDBAT

Start at: 2019-05-30 05:37:58

End at: 2019-05-30 05:38:28

Local clock offset: 0.45 ms

Remote clock offset: 2.946 ms

Below is generated by plot.py at 2019-05-30 07:49:48

Datalink statistics

-- Total of 1 flow:

Average throughput: 84.67 Mbit/s

95th percentile per-packet one-way delay: 25.362 ms

Loss rate: 0.12%

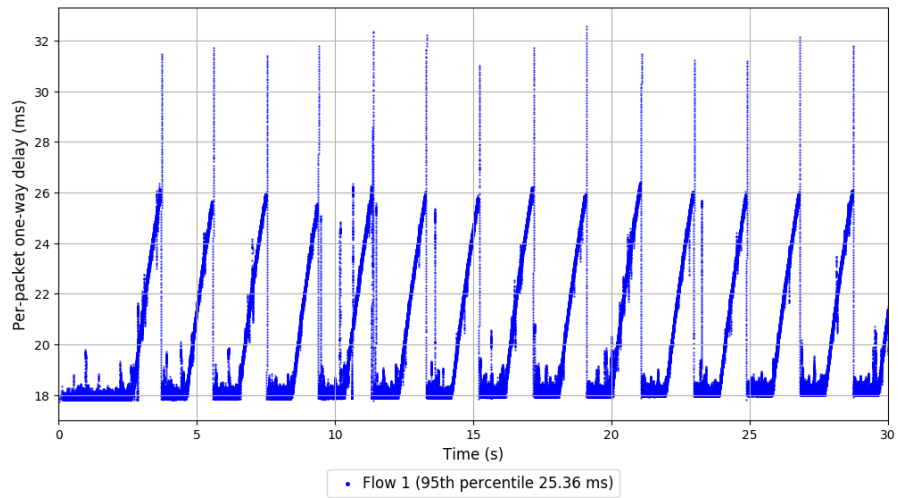
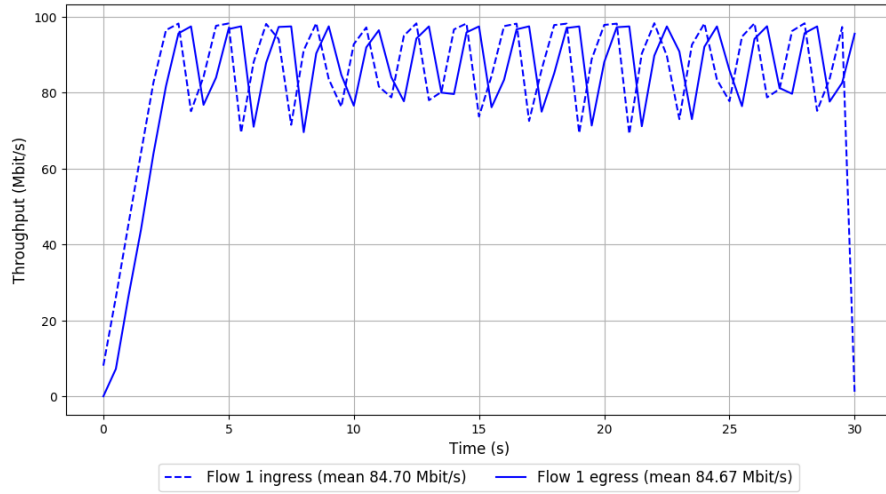
-- Flow 1:

Average throughput: 84.67 Mbit/s

95th percentile per-packet one-way delay: 25.362 ms

Loss rate: 0.12%

Run 1: Report of LEDBAT — Data Link



Run 2: Statistics of LEDBAT

Start at: 2019-05-30 06:02:49

End at: 2019-05-30 06:03:19

Local clock offset: 2.265 ms

Remote clock offset: 8.143 ms

Below is generated by plot.py at 2019-05-30 07:49:59

Datalink statistics

-- Total of 1 flow:

Average throughput: 84.76 Mbit/s

95th percentile per-packet one-way delay: 27.234 ms

Loss rate: 0.12%

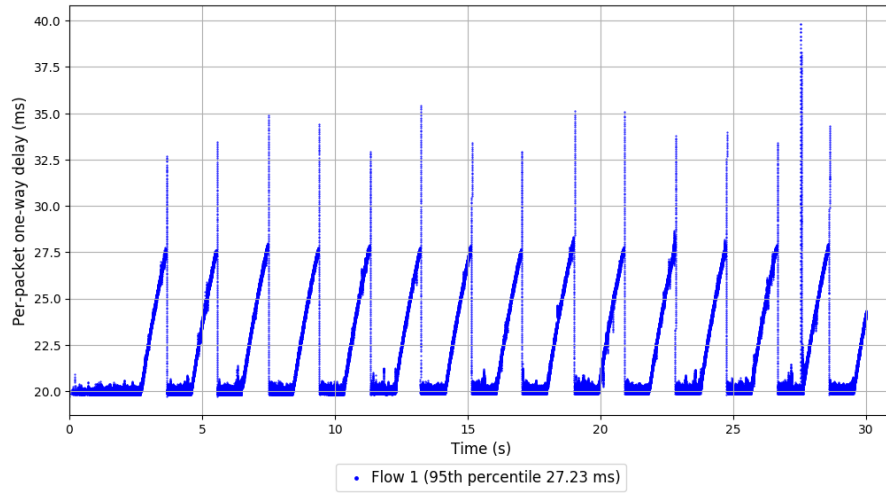
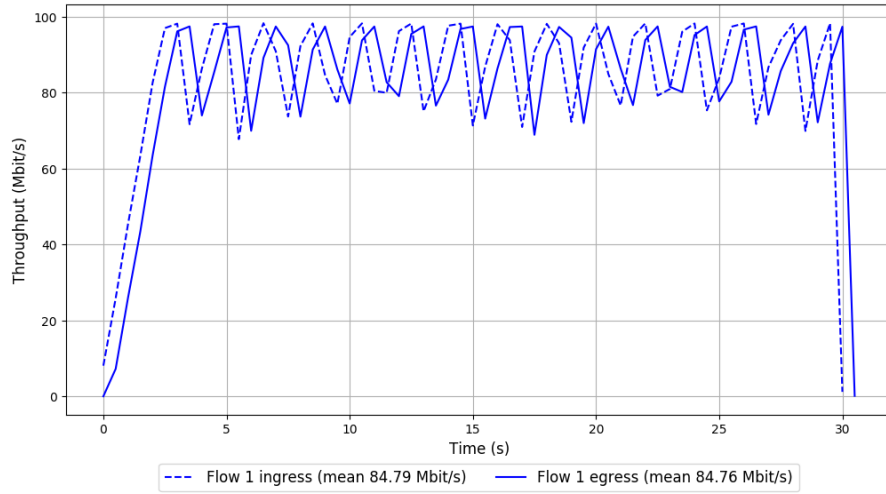
-- Flow 1:

Average throughput: 84.76 Mbit/s

95th percentile per-packet one-way delay: 27.234 ms

Loss rate: 0.12%

Run 2: Report of LEDBAT — Data Link



Run 3: Statistics of LEDBAT

Start at: 2019-05-30 06:27:44

End at: 2019-05-30 06:28:14

Local clock offset: -1.561 ms

Remote clock offset: 8.583 ms

Below is generated by plot.py at 2019-05-30 07:49:59

Datalink statistics

-- Total of 1 flow:

Average throughput: 77.84 Mbit/s

95th percentile per-packet one-way delay: 24.648 ms

Loss rate: 0.23%

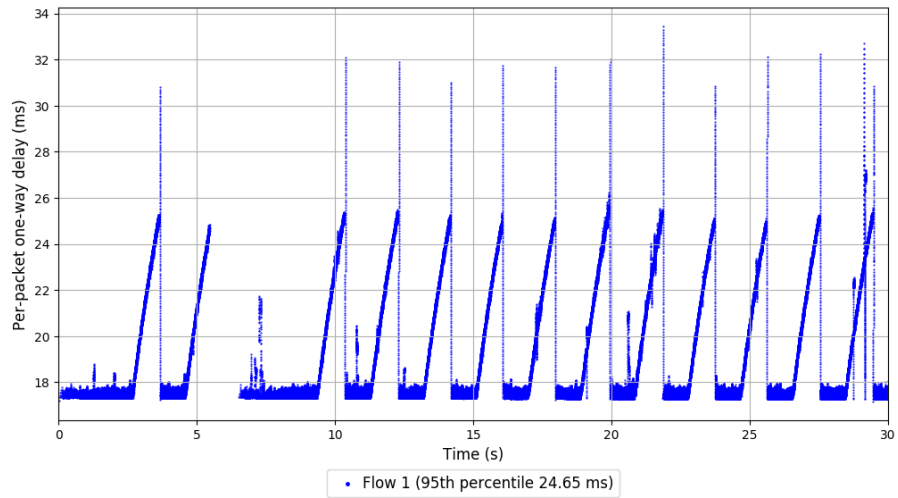
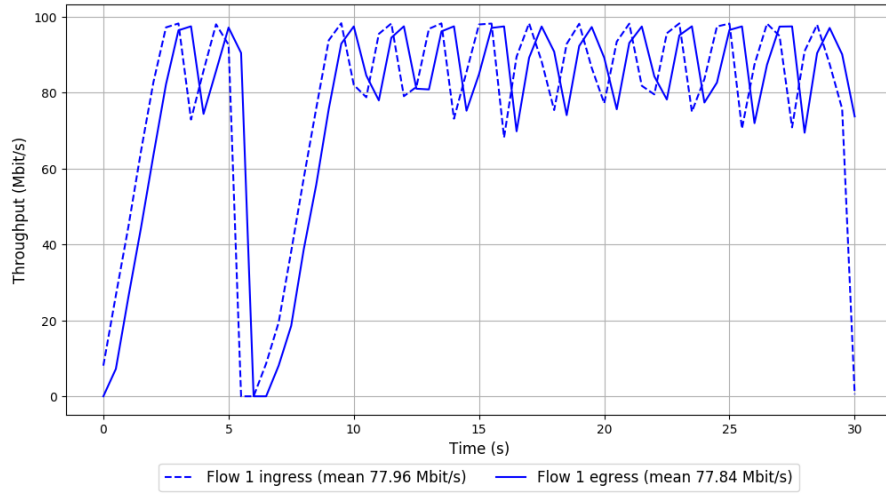
-- Flow 1:

Average throughput: 77.84 Mbit/s

95th percentile per-packet one-way delay: 24.648 ms

Loss rate: 0.23%

Run 3: Report of LEDBAT — Data Link



Run 4: Statistics of LEDBAT

Start at: 2019-05-30 06:52:22

End at: 2019-05-30 06:52:52

Local clock offset: -1.292 ms

Remote clock offset: 7.557 ms

Below is generated by plot.py at 2019-05-30 07:50:01

Datalink statistics

-- Total of 1 flow:

Average throughput: 84.93 Mbit/s

95th percentile per-packet one-way delay: 24.007 ms

Loss rate: 0.12%

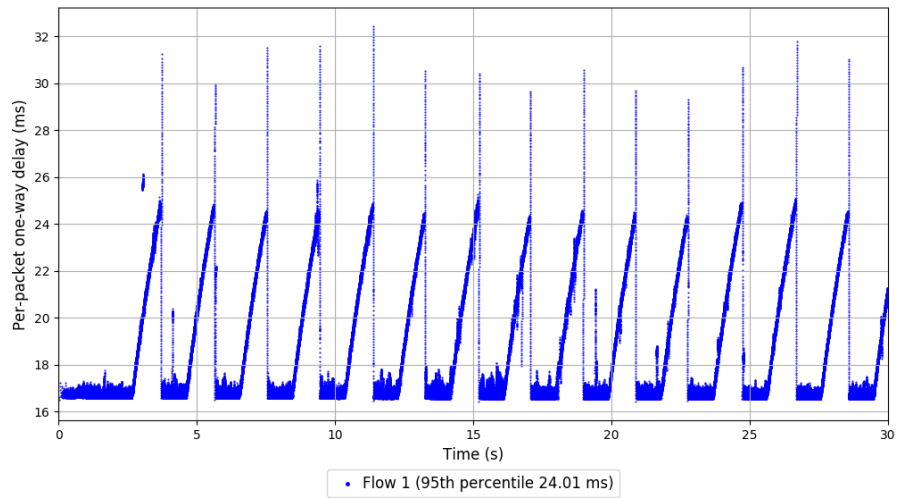
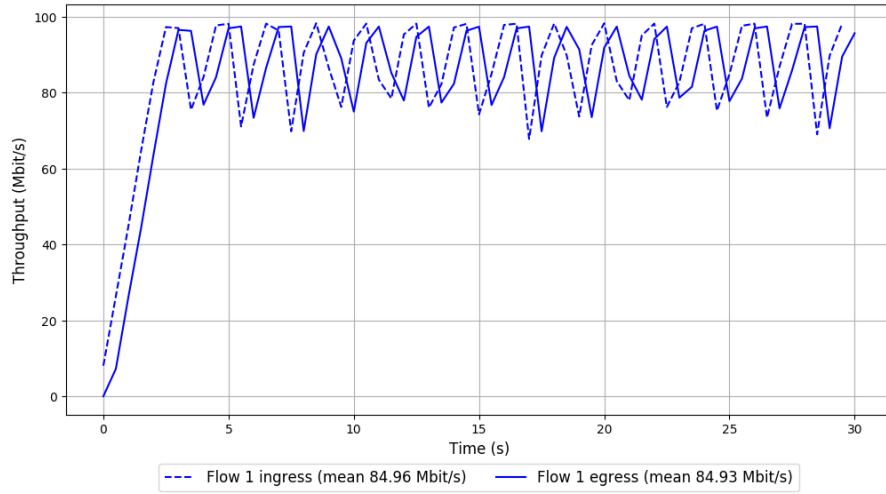
-- Flow 1:

Average throughput: 84.93 Mbit/s

95th percentile per-packet one-way delay: 24.007 ms

Loss rate: 0.12%

Run 4: Report of LEDBAT — Data Link



Run 5: Statistics of LEDBAT

Start at: 2019-05-30 07:16:59

End at: 2019-05-30 07:17:29

Local clock offset: -3.184 ms

Remote clock offset: 6.747 ms

Below is generated by plot.py at 2019-05-30 07:50:03

Datalink statistics

-- Total of 1 flow:

Average throughput: 85.03 Mbit/s

95th percentile per-packet one-way delay: 22.451 ms

Loss rate: 0.10%

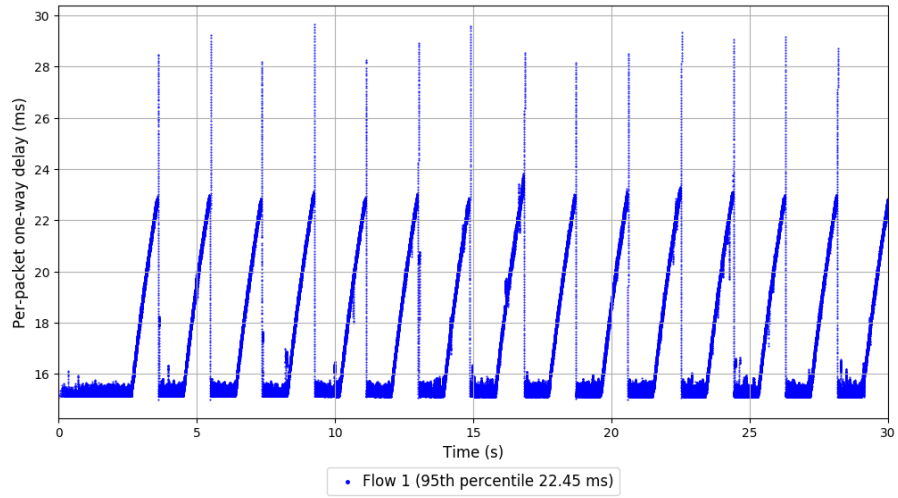
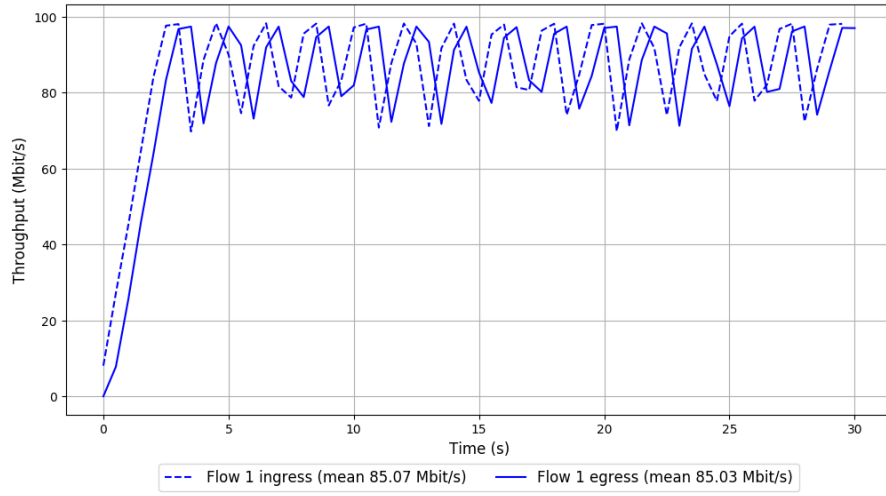
-- Flow 1:

Average throughput: 85.03 Mbit/s

95th percentile per-packet one-way delay: 22.451 ms

Loss rate: 0.10%

Run 5: Report of LEDBAT — Data Link



Run 1: Statistics of PCC-Allegro

Start at: 2019-05-30 05:39:10

End at: 2019-05-30 05:39:40

Local clock offset: 0.096 ms

Remote clock offset: 4.744 ms

Below is generated by plot.py at 2019-05-30 07:50:34

Datalink statistics

-- Total of 1 flow:

Average throughput: 93.54 Mbit/s

95th percentile per-packet one-way delay: 19.450 ms

Loss rate: 0.15%

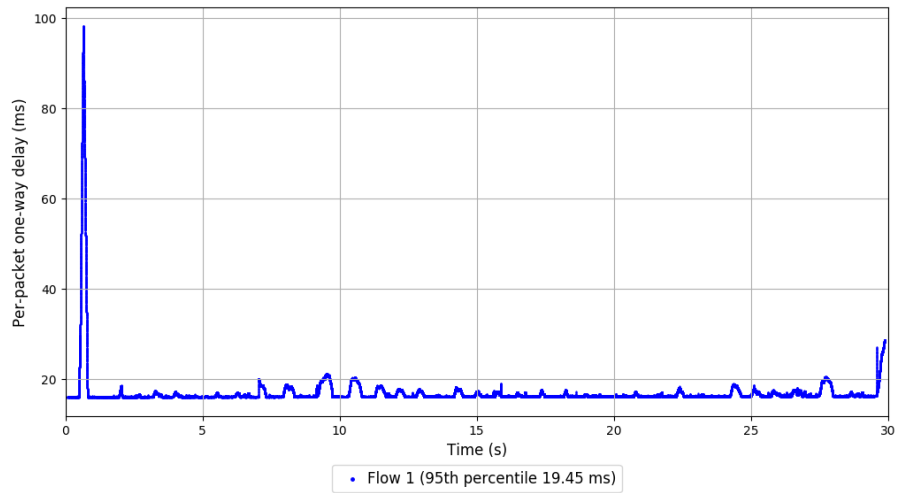
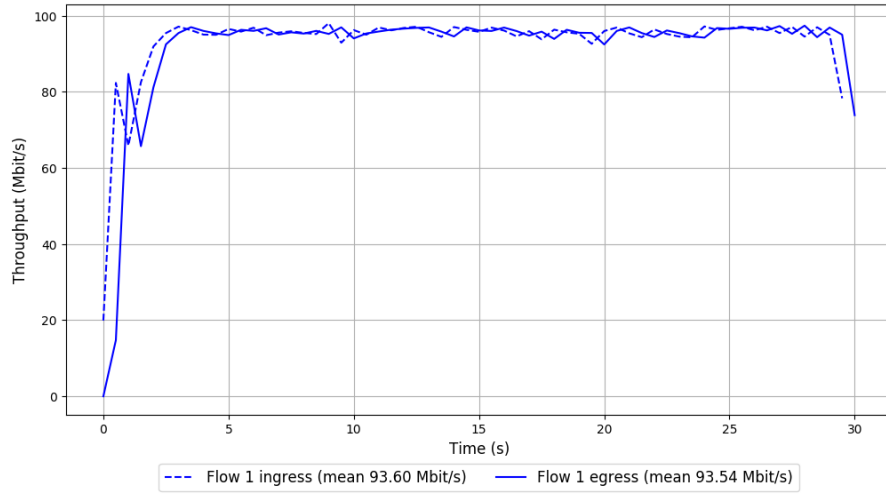
-- Flow 1:

Average throughput: 93.54 Mbit/s

95th percentile per-packet one-way delay: 19.450 ms

Loss rate: 0.15%

Run 1: Report of PCC-Allegro — Data Link



Run 2: Statistics of PCC-Allegro

Start at: 2019-05-30 06:03:59

End at: 2019-05-30 06:04:29

Local clock offset: 1.928 ms

Remote clock offset: 7.85 ms

Below is generated by plot.py at 2019-05-30 07:50:36

Datalink statistics

-- Total of 1 flow:

Average throughput: 93.30 Mbit/s

95th percentile per-packet one-way delay: 39.202 ms

Loss rate: 0.11%

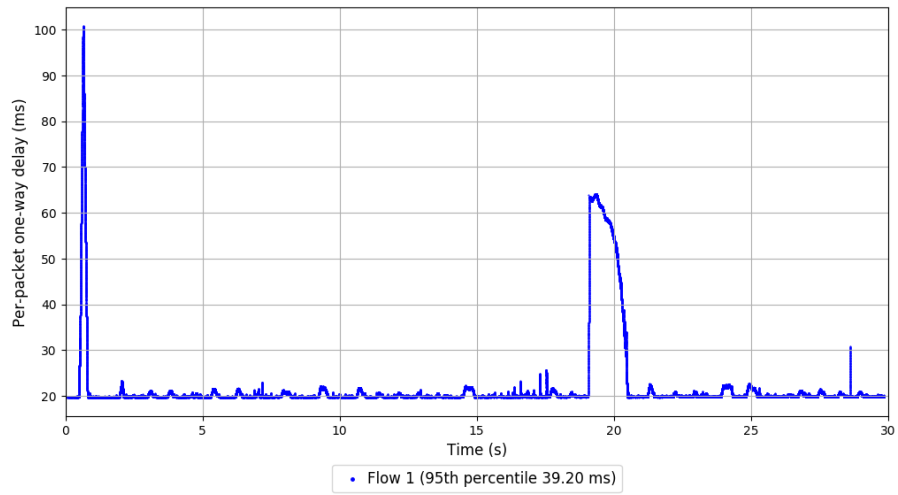
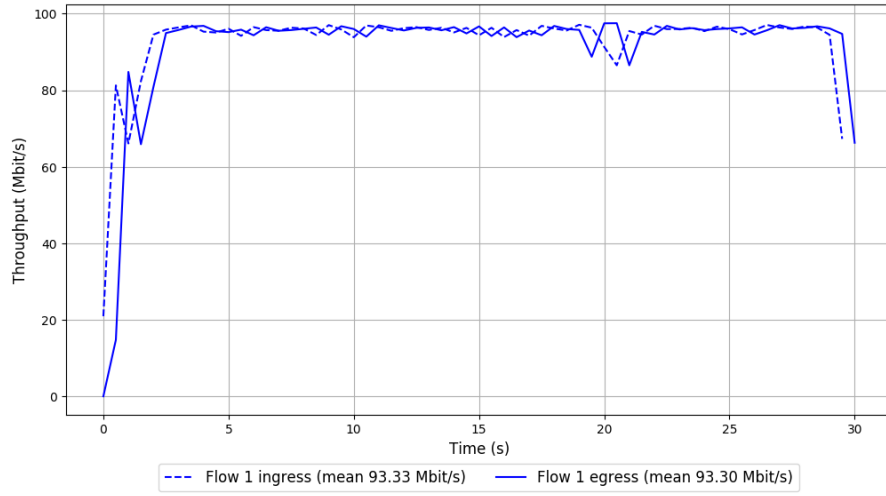
-- Flow 1:

Average throughput: 93.30 Mbit/s

95th percentile per-packet one-way delay: 39.202 ms

Loss rate: 0.11%

Run 2: Report of PCC-Allegro — Data Link



Run 3: Statistics of PCC-Allegro

Start at: 2019-05-30 06:28:54

End at: 2019-05-30 06:29:24

Local clock offset: 1.695 ms

Remote clock offset: 7.495 ms

Below is generated by plot.py at 2019-05-30 07:50:37

Datalink statistics

-- Total of 1 flow:

Average throughput: 93.55 Mbit/s

95th percentile per-packet one-way delay: 24.337 ms

Loss rate: 0.09%

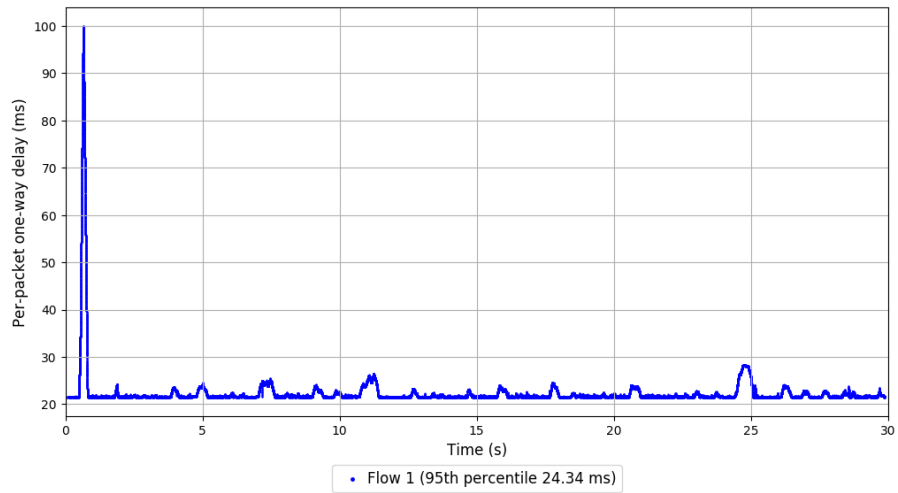
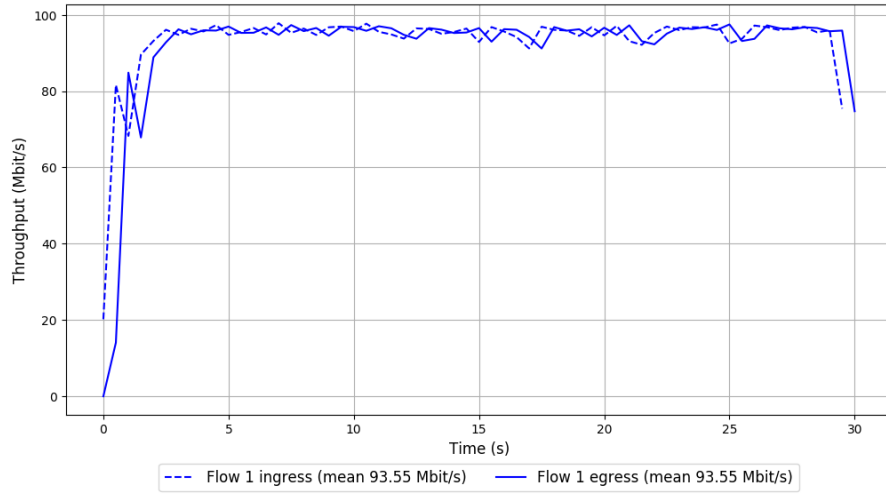
-- Flow 1:

Average throughput: 93.55 Mbit/s

95th percentile per-packet one-way delay: 24.337 ms

Loss rate: 0.09%

Run 3: Report of PCC-Allegro — Data Link



Run 4: Statistics of PCC-Allegro

Start at: 2019-05-30 06:53:38

End at: 2019-05-30 06:54:08

Local clock offset: -2.713 ms

Remote clock offset: 6.267 ms

Below is generated by plot.py at 2019-05-30 07:50:46

Datalink statistics

-- Total of 1 flow:

Average throughput: 89.91 Mbit/s

95th percentile per-packet one-way delay: 18.923 ms

Loss rate: 0.09%

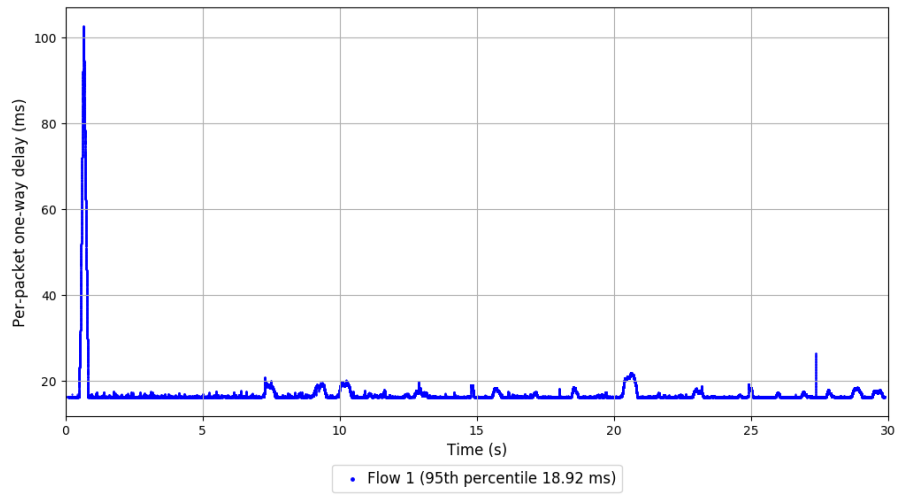
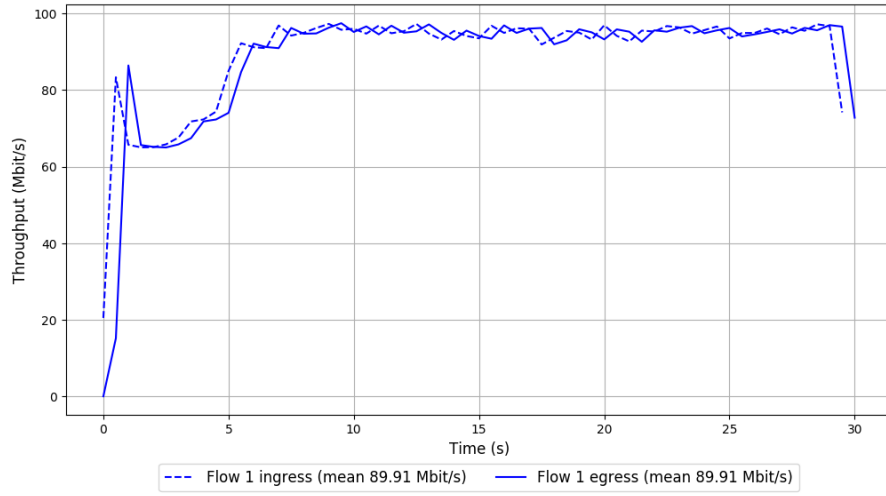
-- Flow 1:

Average throughput: 89.91 Mbit/s

95th percentile per-packet one-way delay: 18.923 ms

Loss rate: 0.09%

Run 4: Report of PCC-Allegro — Data Link



Run 5: Statistics of PCC-Allegro

Start at: 2019-05-30 07:18:13

End at: 2019-05-30 07:18:43

Local clock offset: 1.446 ms

Remote clock offset: 5.962 ms

Below is generated by plot.py at 2019-05-30 07:50:55

Datalink statistics

-- Total of 1 flow:

Average throughput: 93.02 Mbit/s

95th percentile per-packet one-way delay: 22.652 ms

Loss rate: 0.10%

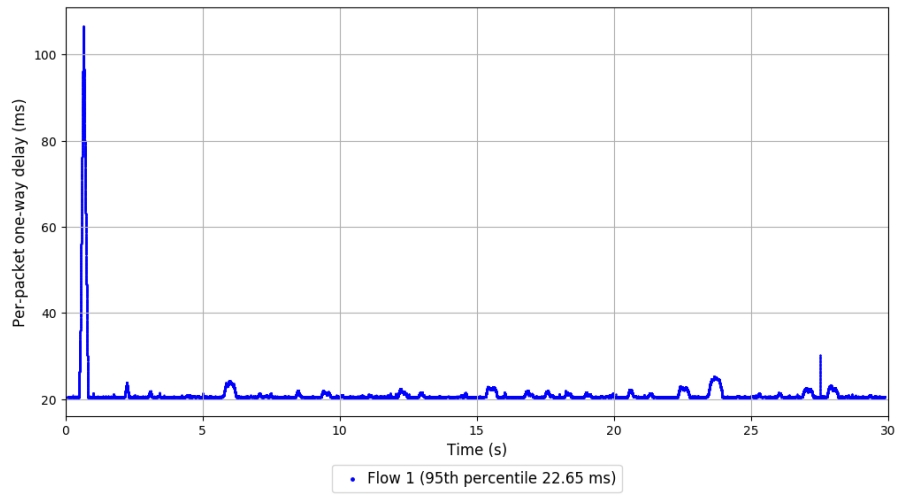
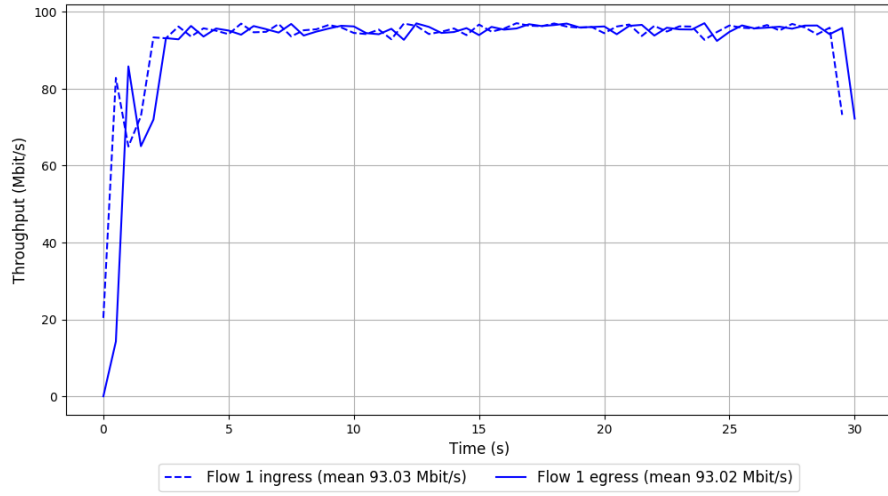
-- Flow 1:

Average throughput: 93.02 Mbit/s

95th percentile per-packet one-way delay: 22.652 ms

Loss rate: 0.10%

Run 5: Report of PCC-Allegro — Data Link



Run 1: Statistics of PCC-Expr

Start at: 2019-05-30 05:50:53

End at: 2019-05-30 05:51:23

Local clock offset: -1.27 ms

Remote clock offset: 5.793 ms

Below is generated by plot.py at 2019-05-30 07:51:42

Datalink statistics

-- Total of 1 flow:

Average throughput: 86.27 Mbit/s

95th percentile per-packet one-way delay: 34.416 ms

Loss rate: 0.12%

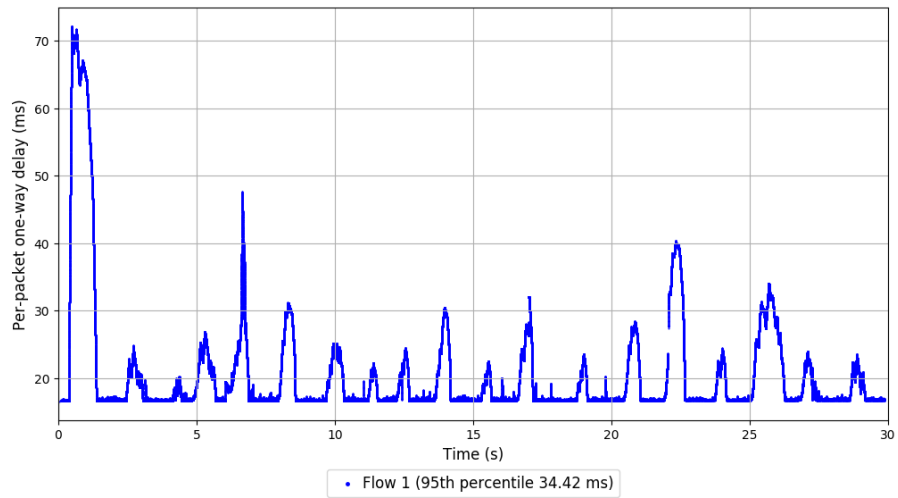
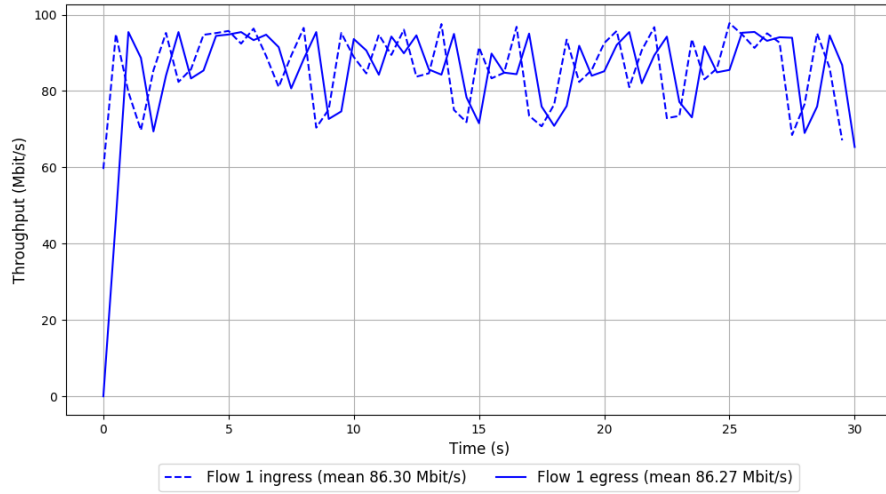
-- Flow 1:

Average throughput: 86.27 Mbit/s

95th percentile per-packet one-way delay: 34.416 ms

Loss rate: 0.12%

Run 1: Report of PCC-Expr — Data Link



Run 2: Statistics of PCC-Expr

Start at: 2019-05-30 06:15:59

End at: 2019-05-30 06:16:29

Local clock offset: 1.302 ms

Remote clock offset: 8.879 ms

Below is generated by plot.py at 2019-05-30 07:51:43

Datalink statistics

-- Total of 1 flow:

Average throughput: 85.07 Mbit/s

95th percentile per-packet one-way delay: 69.196 ms

Loss rate: 0.10%

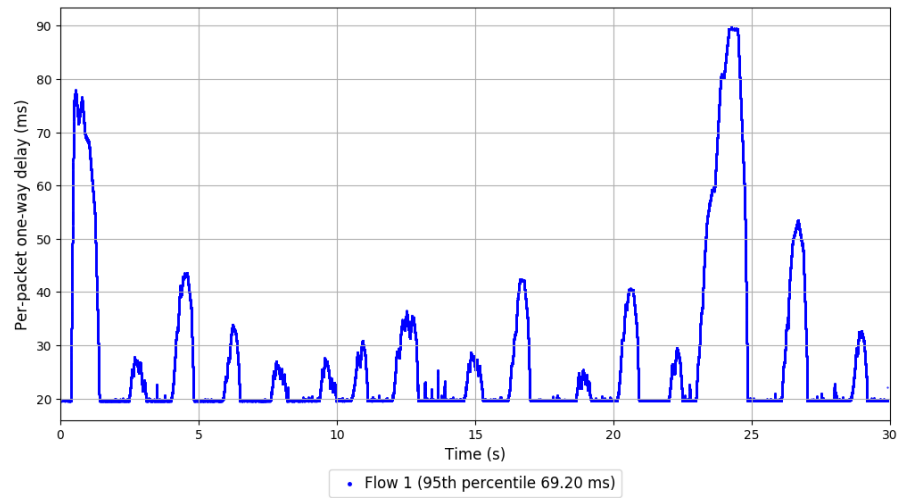
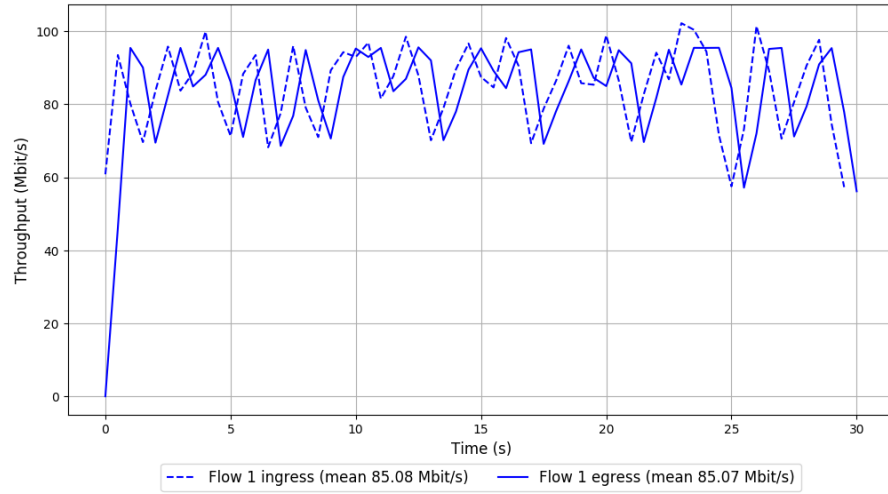
-- Flow 1:

Average throughput: 85.07 Mbit/s

95th percentile per-packet one-way delay: 69.196 ms

Loss rate: 0.10%

Run 2: Report of PCC-Expr — Data Link



Run 3: Statistics of PCC-Expr

Start at: 2019-05-30 06:40:35

End at: 2019-05-30 06:41:05

Local clock offset: -1.534 ms

Remote clock offset: 7.535 ms

Below is generated by plot.py at 2019-05-30 07:51:51

Datalink statistics

-- Total of 1 flow:

Average throughput: 85.85 Mbit/s

95th percentile per-packet one-way delay: 679.249 ms

Loss rate: 1.27%

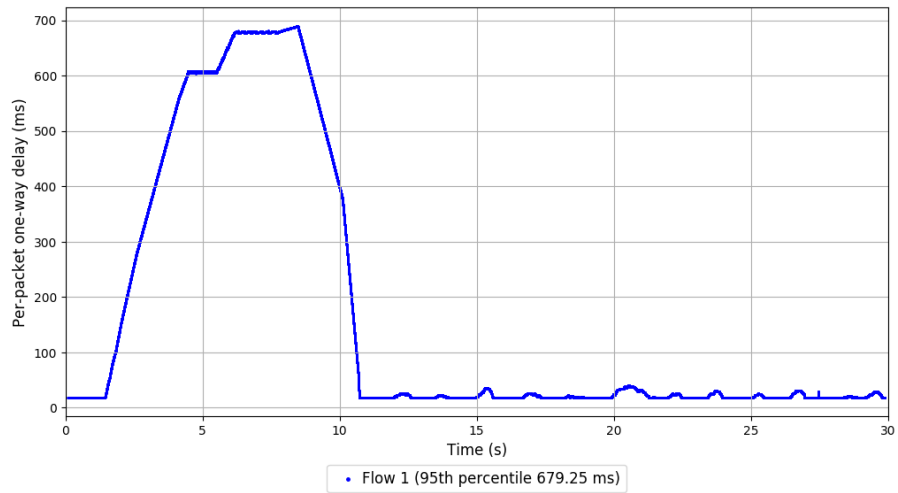
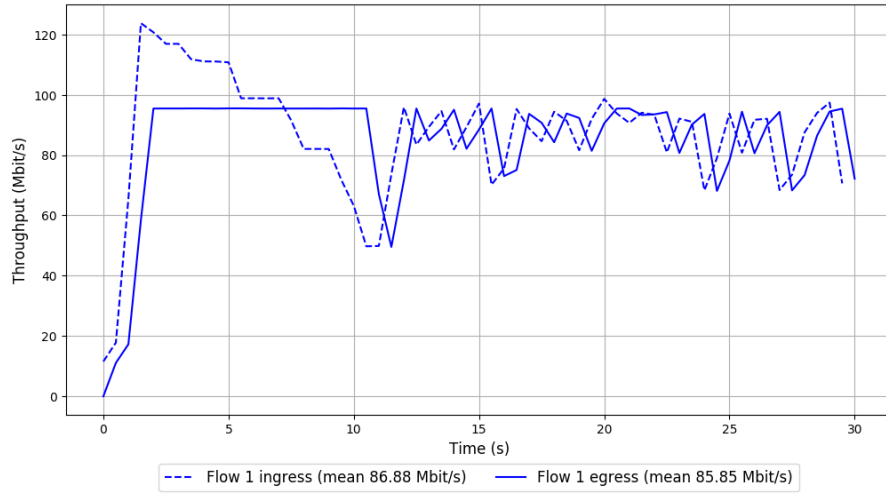
-- Flow 1:

Average throughput: 85.85 Mbit/s

95th percentile per-packet one-way delay: 679.249 ms

Loss rate: 1.27%

Run 3: Report of PCC-Expr — Data Link



Run 4: Statistics of PCC-Expr

Start at: 2019-05-30 07:05:12

End at: 2019-05-30 07:05:42

Local clock offset: 1.774 ms

Remote clock offset: 5.92 ms

Below is generated by plot.py at 2019-05-30 07:52:30

Datalink statistics

-- Total of 1 flow:

Average throughput: 88.52 Mbit/s

95th percentile per-packet one-way delay: 49.026 ms

Loss rate: 0.10%

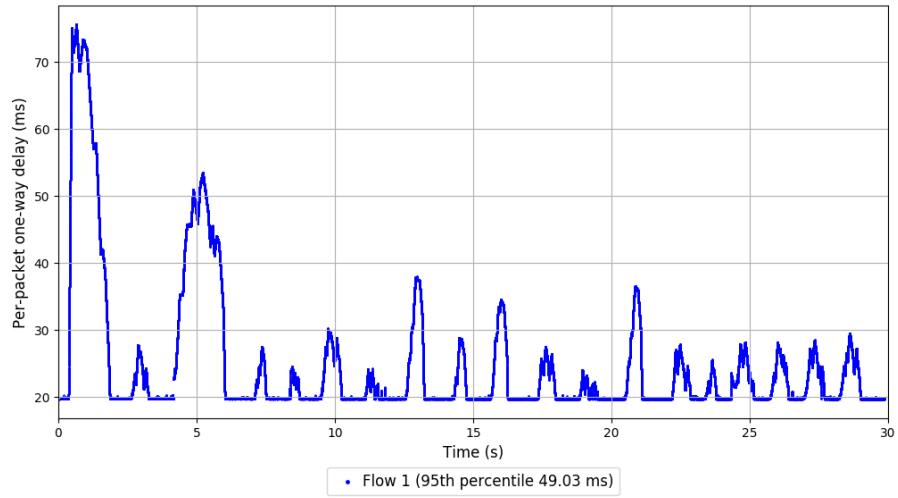
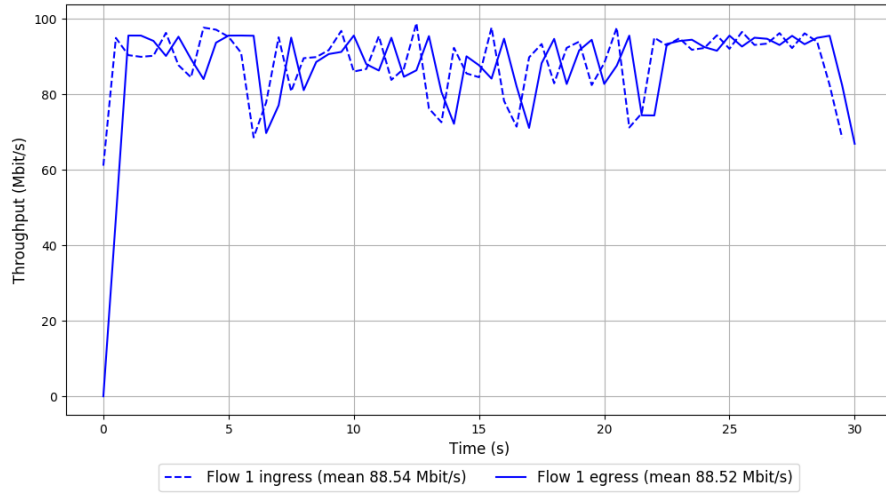
-- Flow 1:

Average throughput: 88.52 Mbit/s

95th percentile per-packet one-way delay: 49.026 ms

Loss rate: 0.10%

Run 4: Report of PCC-Expr — Data Link



Run 5: Statistics of PCC-Expr

Start at: 2019-05-30 07:29:51

End at: 2019-05-30 07:30:21

Local clock offset: 0.683 ms

Remote clock offset: 5.293 ms

Below is generated by plot.py at 2019-05-30 07:52:31

Datalink statistics

-- Total of 1 flow:

Average throughput: 87.48 Mbit/s

95th percentile per-packet one-way delay: 38.592 ms

Loss rate: 0.10%

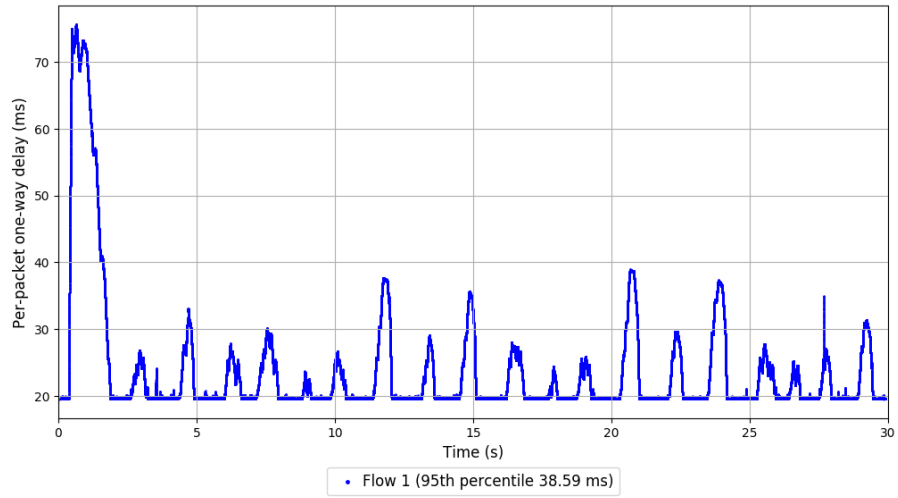
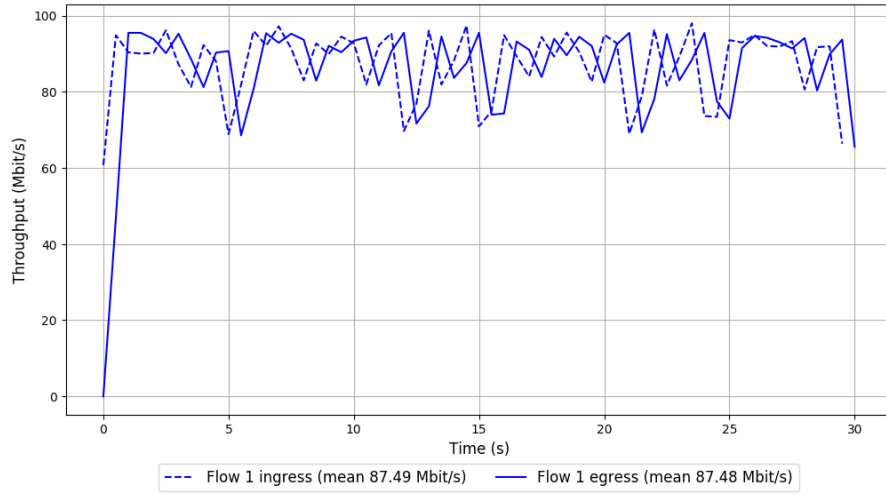
-- Flow 1:

Average throughput: 87.48 Mbit/s

95th percentile per-packet one-way delay: 38.592 ms

Loss rate: 0.10%

Run 5: Report of PCC-Expr — Data Link



Run 1: Statistics of QUIC Cubic

Start at: 2019-05-30 05:43:50

End at: 2019-05-30 05:44:20

Local clock offset: -1.325 ms

Remote clock offset: 4.945 ms

Below is generated by plot.py at 2019-05-30 07:52:31

Datalink statistics

-- Total of 1 flow:

Average throughput: 89.96 Mbit/s

95th percentile per-packet one-way delay: 23.750 ms

Loss rate: 0.13%

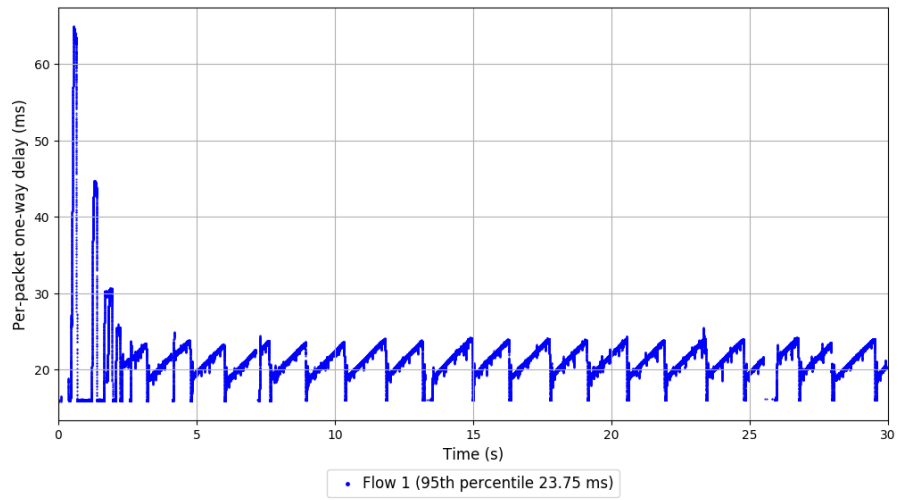
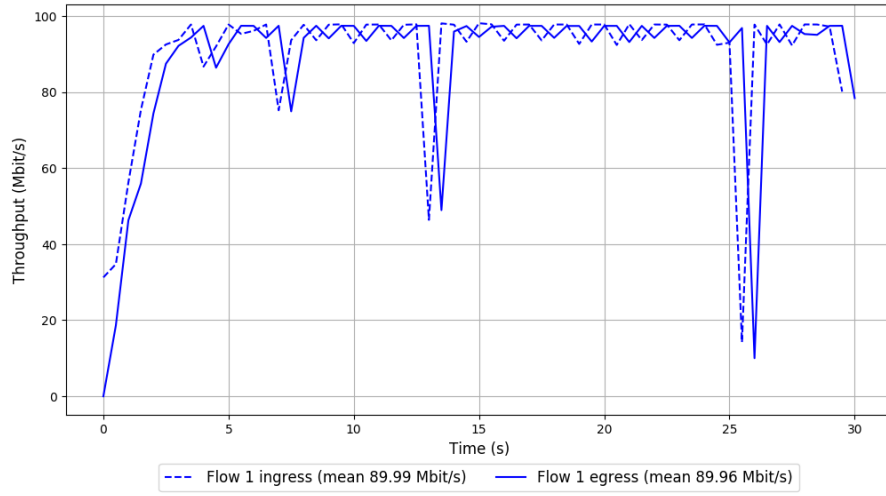
-- Flow 1:

Average throughput: 89.96 Mbit/s

95th percentile per-packet one-way delay: 23.750 ms

Loss rate: 0.13%

Run 1: Report of QUIC Cubic — Data Link



Run 2: Statistics of QUIC Cubic

Start at: 2019-05-30 06:08:47

End at: 2019-05-30 06:09:17

Local clock offset: -2.289 ms

Remote clock offset: 8.195 ms

Below is generated by plot.py at 2019-05-30 07:52:31

Datalink statistics

-- Total of 1 flow:

Average throughput: 91.32 Mbit/s

95th percentile per-packet one-way delay: 23.302 ms

Loss rate: 0.11%

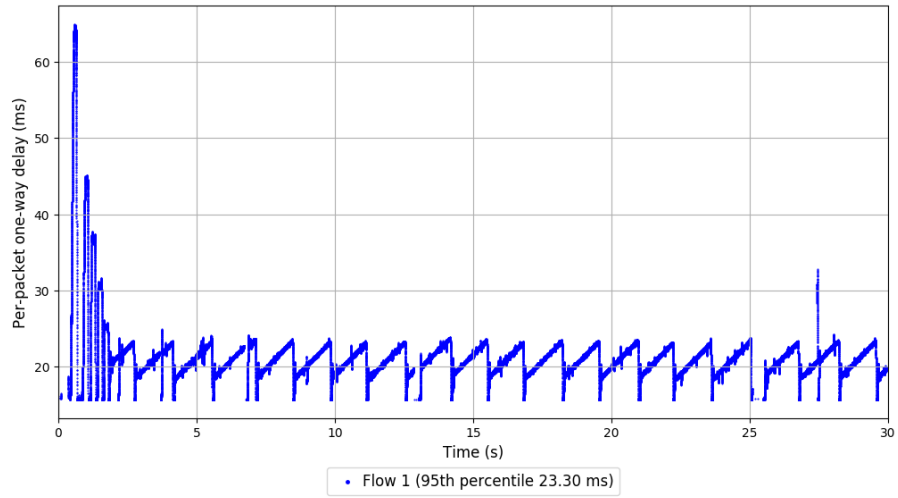
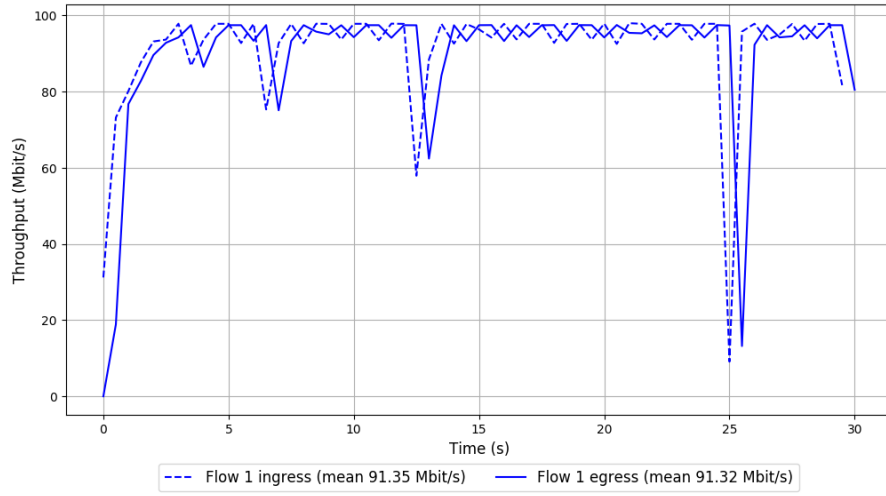
-- Flow 1:

Average throughput: 91.32 Mbit/s

95th percentile per-packet one-way delay: 23.302 ms

Loss rate: 0.11%

Run 2: Report of QUIC Cubic — Data Link



Run 3: Statistics of QUIC Cubic

Start at: 2019-05-30 06:33:32

End at: 2019-05-30 06:34:02

Local clock offset: -2.116 ms

Remote clock offset: 8.875 ms

Below is generated by plot.py at 2019-05-30 07:52:31

Datalink statistics

-- Total of 1 flow:

Average throughput: 91.25 Mbit/s

95th percentile per-packet one-way delay: 23.341 ms

Loss rate: 0.12%

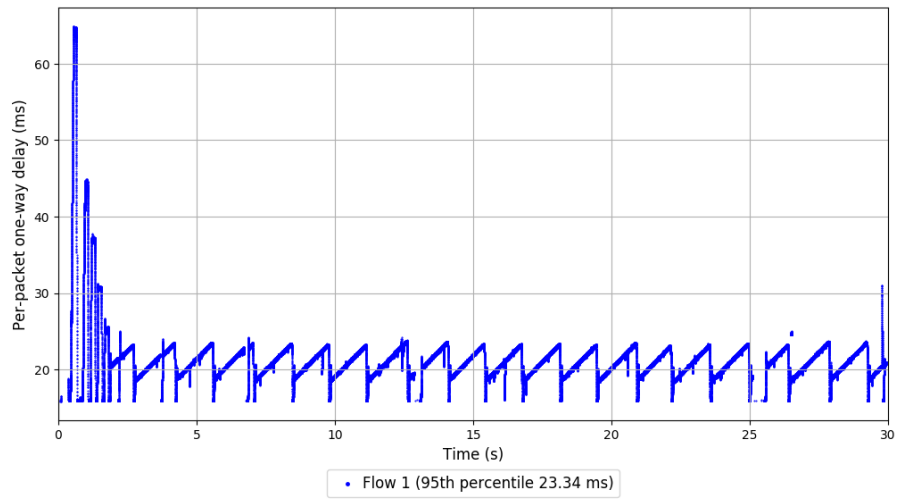
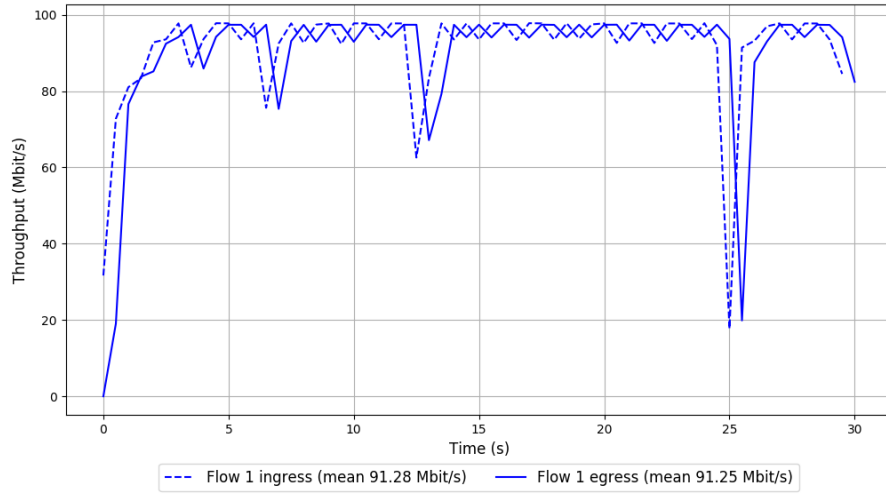
-- Flow 1:

Average throughput: 91.25 Mbit/s

95th percentile per-packet one-way delay: 23.341 ms

Loss rate: 0.12%

Run 3: Report of QUIC Cubic — Data Link



Run 4: Statistics of QUIC Cubic

Start at: 2019-05-30 06:58:16

End at: 2019-05-30 06:58:46

Local clock offset: 2.032 ms

Remote clock offset: 6.95 ms

Below is generated by plot.py at 2019-05-30 07:52:50

Datalink statistics

-- Total of 1 flow:

Average throughput: 91.33 Mbit/s

95th percentile per-packet one-way delay: 27.384 ms

Loss rate: 0.08%

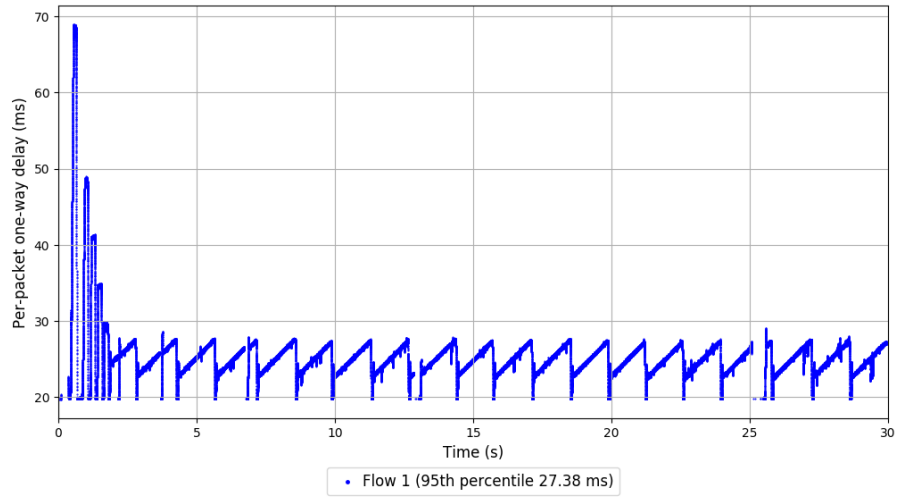
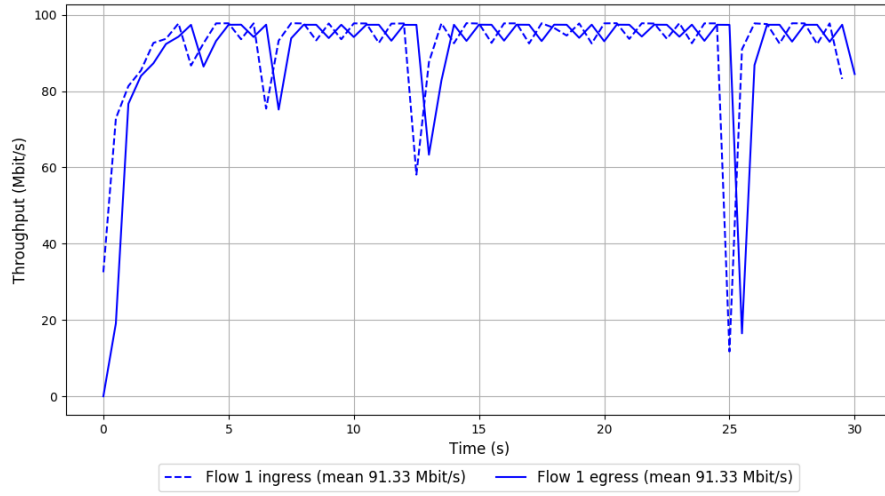
-- Flow 1:

Average throughput: 91.33 Mbit/s

95th percentile per-packet one-way delay: 27.384 ms

Loss rate: 0.08%

Run 4: Report of QUIC Cubic — Data Link



Run 5: Statistics of QUIC Cubic

Start at: 2019-05-30 07:22:51

End at: 2019-05-30 07:23:21

Local clock offset: 1.723 ms

Remote clock offset: 6.748 ms

Below is generated by plot.py at 2019-05-30 07:52:52

Datalink statistics

-- Total of 1 flow:

Average throughput: 90.16 Mbit/s

95th percentile per-packet one-way delay: 26.944 ms

Loss rate: 0.12%

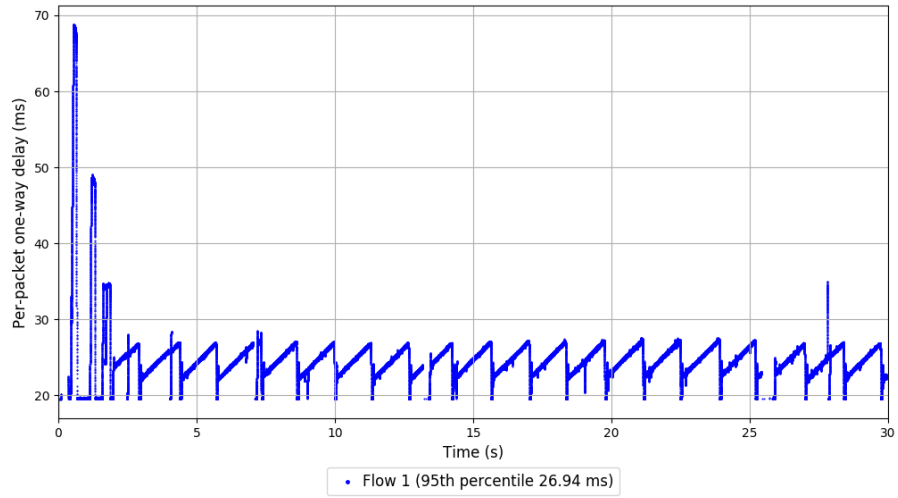
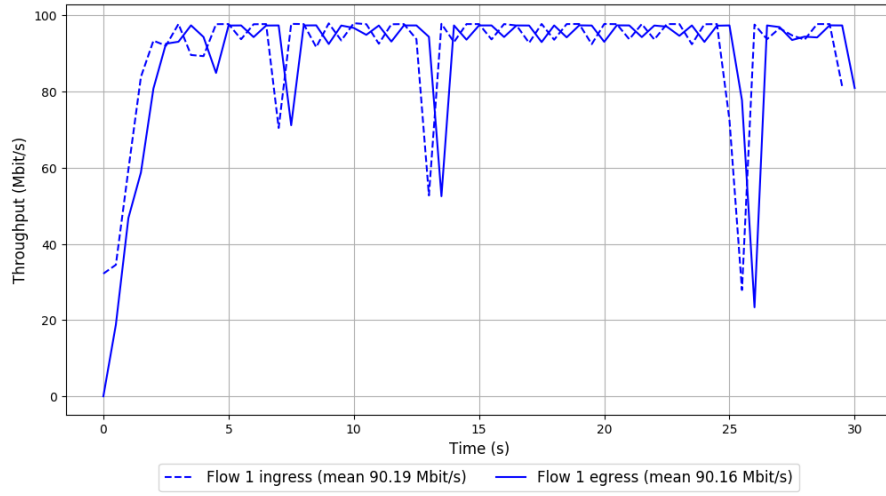
-- Flow 1:

Average throughput: 90.16 Mbit/s

95th percentile per-packet one-way delay: 26.944 ms

Loss rate: 0.12%

Run 5: Report of QUIC Cubic — Data Link



Run 1: Statistics of SCReAM

Start at: 2019-05-30 05:55:57

End at: 2019-05-30 05:56:27

Local clock offset: -2.549 ms

Remote clock offset: 4.66 ms

Below is generated by plot.py at 2019-05-30 07:52:52

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 17.665 ms

Loss rate: 0.13%

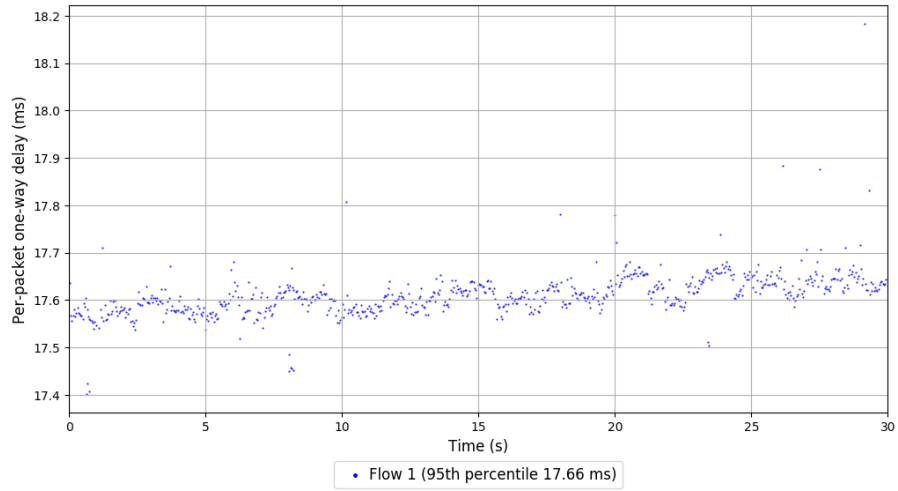
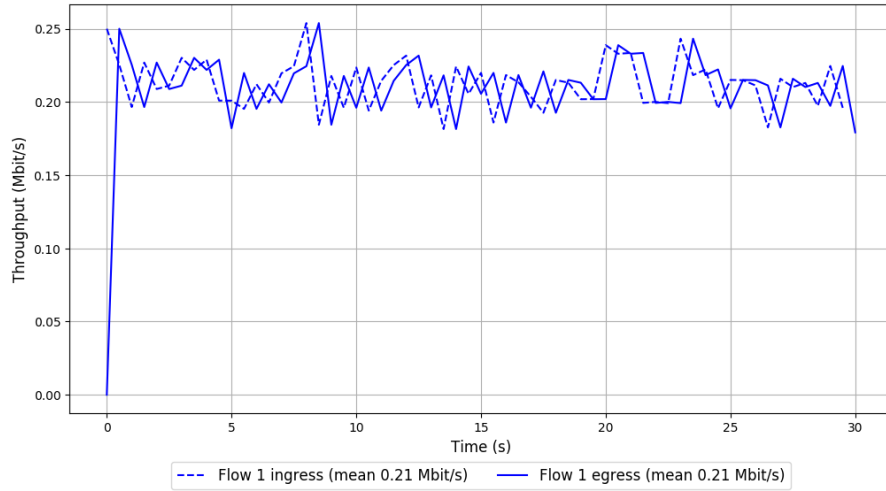
-- Flow 1:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 17.665 ms

Loss rate: 0.13%

Run 1: Report of SCReAM — Data Link



Run 2: Statistics of SCReAM

Start at: 2019-05-30 06:20:55

End at: 2019-05-30 06:21:25

Local clock offset: 1.473 ms

Remote clock offset: 4.436 ms

Below is generated by plot.py at 2019-05-30 07:52:52

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 25.735 ms

Loss rate: 0.13%

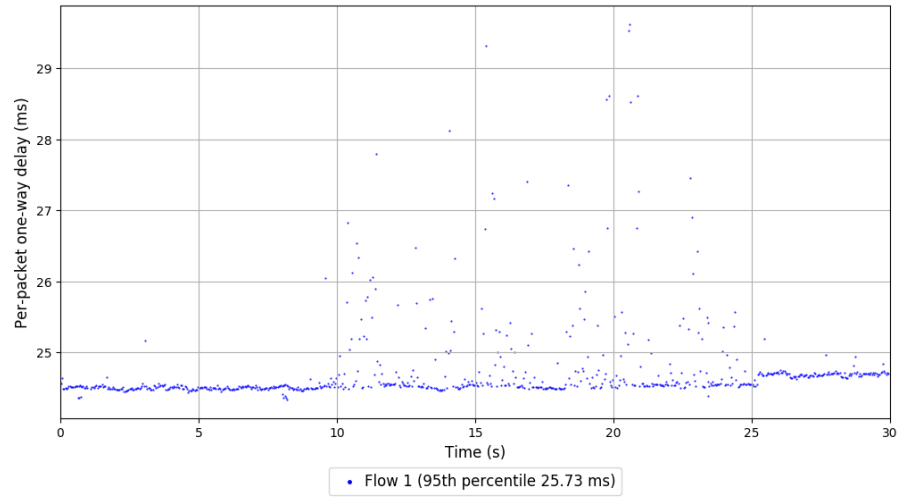
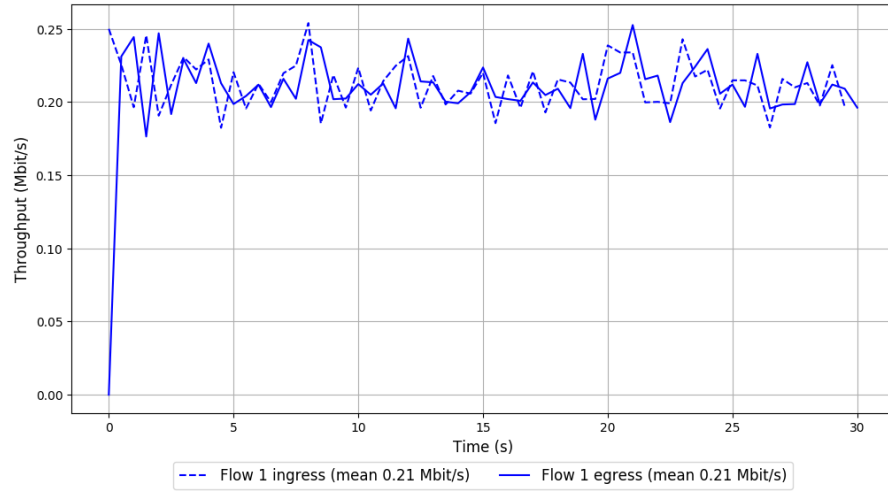
-- Flow 1:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 25.735 ms

Loss rate: 0.13%

Run 2: Report of SCReAM — Data Link



Run 3: Statistics of SCReAM

Start at: 2019-05-30 06:45:31

End at: 2019-05-30 06:46:01

Local clock offset: 2.258 ms

Remote clock offset: 8.336 ms

Below is generated by plot.py at 2019-05-30 07:52:52

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 20.299 ms

Loss rate: 0.13%

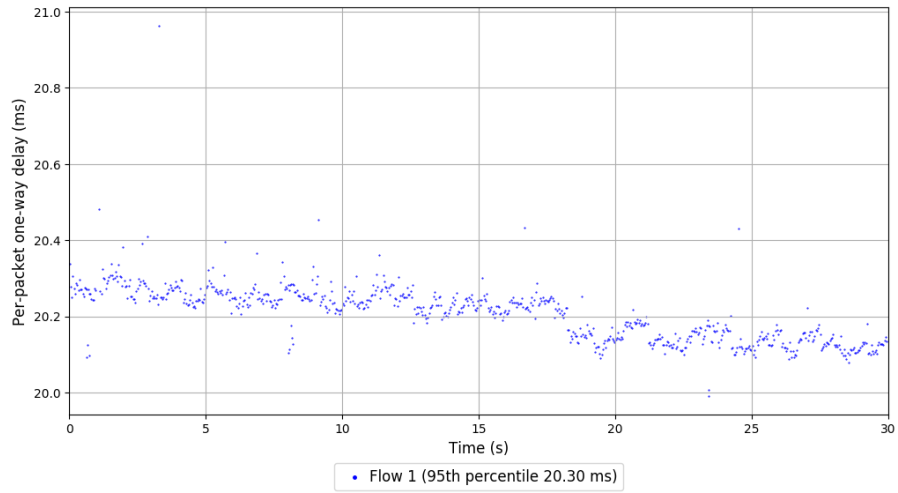
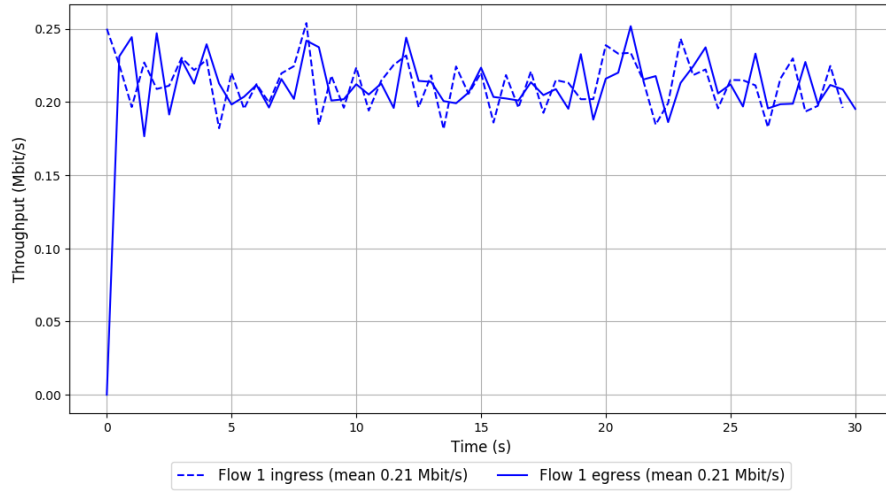
-- Flow 1:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 20.299 ms

Loss rate: 0.13%

Run 3: Report of SCReAM — Data Link



Run 4: Statistics of SCReAM

Start at: 2019-05-30 07:10:08

End at: 2019-05-30 07:10:38

Local clock offset: 1.252 ms

Remote clock offset: 6.405 ms

Below is generated by plot.py at 2019-05-30 07:52:52

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 18.007 ms

Loss rate: 0.00%

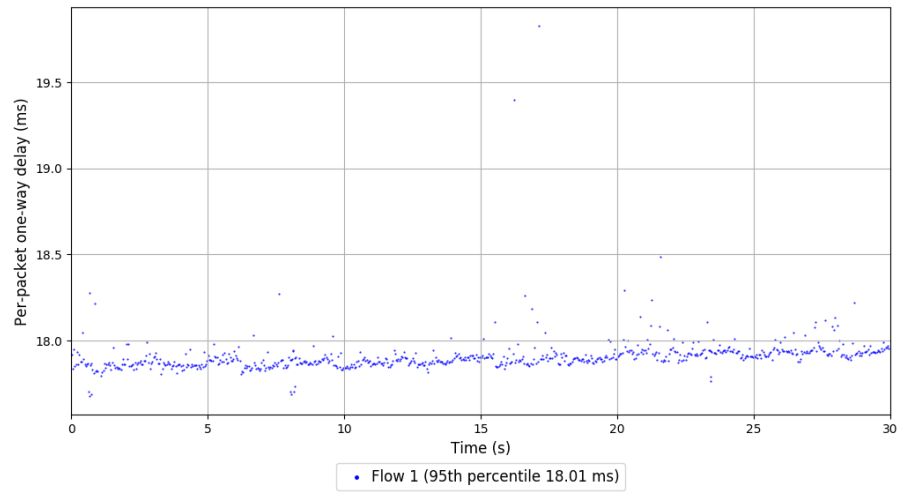
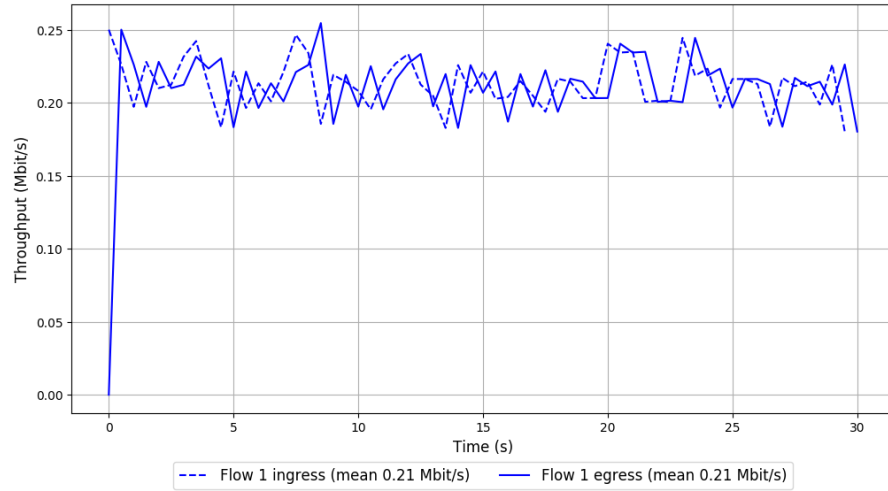
-- Flow 1:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 18.007 ms

Loss rate: 0.00%

Run 4: Report of SCReAM — Data Link



Run 5: Statistics of SCReAM

Start at: 2019-05-30 07:34:40

End at: 2019-05-30 07:35:10

Local clock offset: -4.002 ms

Remote clock offset: 4.766 ms

Below is generated by plot.py at 2019-05-30 07:52:52

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 15.265 ms

Loss rate: 0.13%

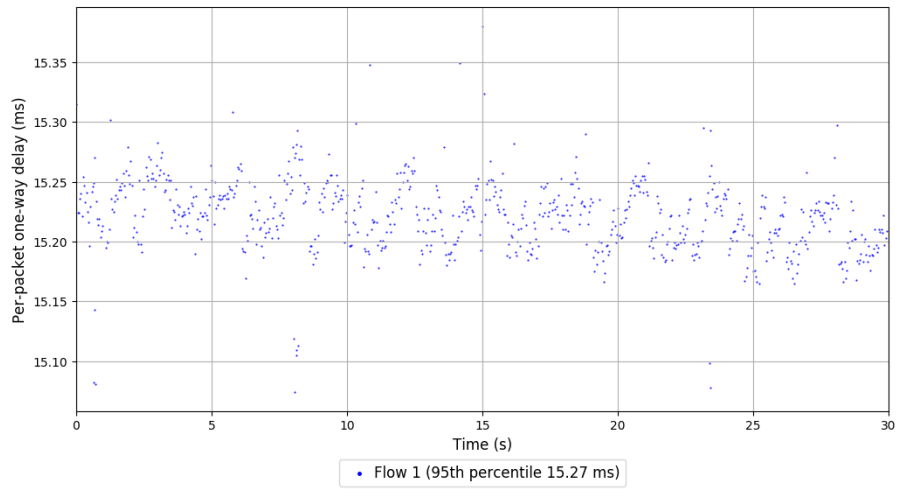
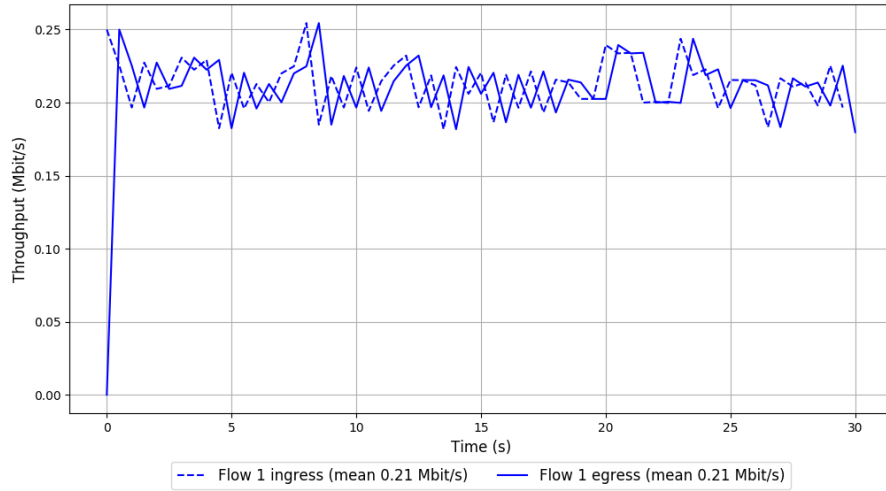
-- Flow 1:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 15.265 ms

Loss rate: 0.13%

Run 5: Report of SCReAM — Data Link



Run 1: Statistics of Sprout

Start at: 2019-05-30 05:36:52

End at: 2019-05-30 05:37:22

Local clock offset: -0.382 ms

Remote clock offset: 2.802 ms

Below is generated by plot.py at 2019-05-30 07:52:52

Datalink statistics

-- Total of 1 flow:

Average throughput: 24.88 Mbit/s

95th percentile per-packet one-way delay: 25.265 ms

Loss rate: 0.06%

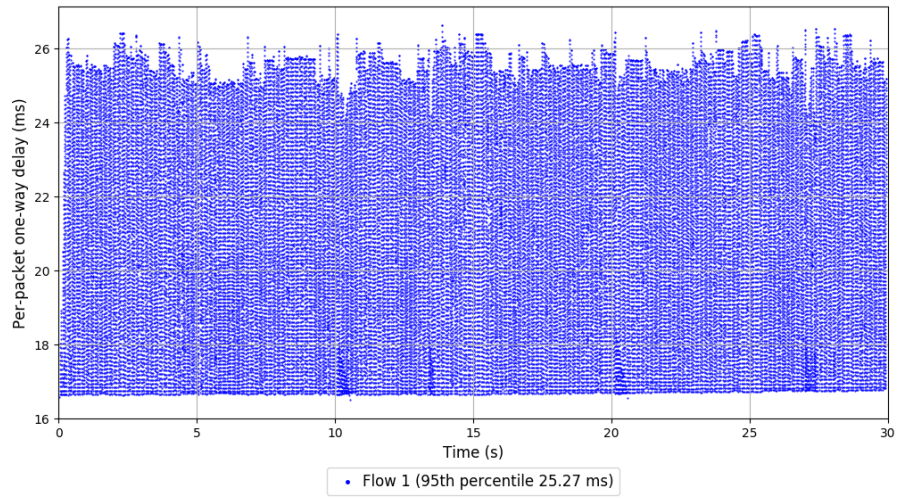
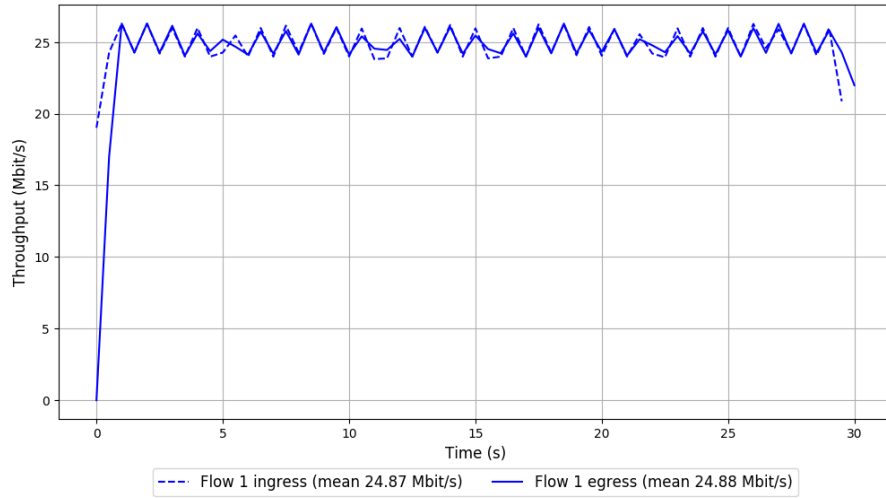
-- Flow 1:

Average throughput: 24.88 Mbit/s

95th percentile per-packet one-way delay: 25.265 ms

Loss rate: 0.06%

Run 1: Report of Sprout — Data Link



Run 2: Statistics of Sprout

Start at: 2019-05-30 06:01:43

End at: 2019-05-30 06:02:13

Local clock offset: -1.781 ms

Remote clock offset: 5.799 ms

Below is generated by plot.py at 2019-05-30 07:52:52

Datalink statistics

-- Total of 1 flow:

Average throughput: 24.60 Mbit/s

95th percentile per-packet one-way delay: 25.891 ms

Loss rate: 0.13%

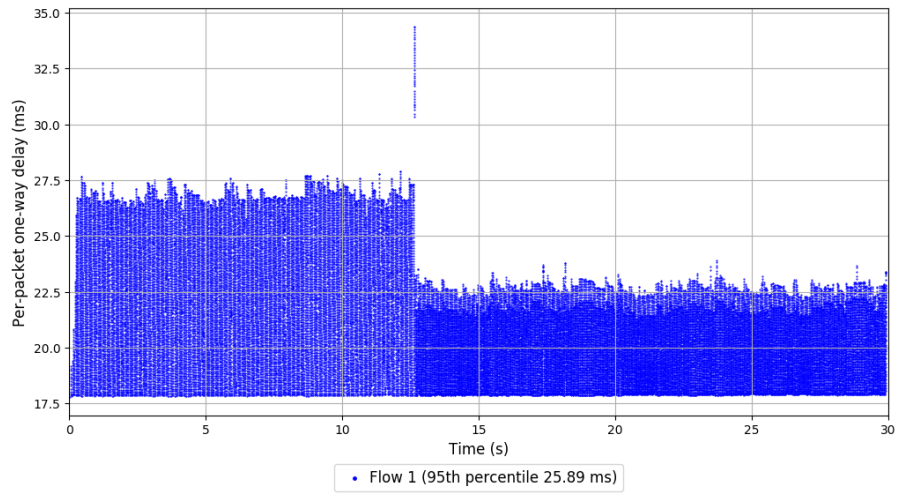
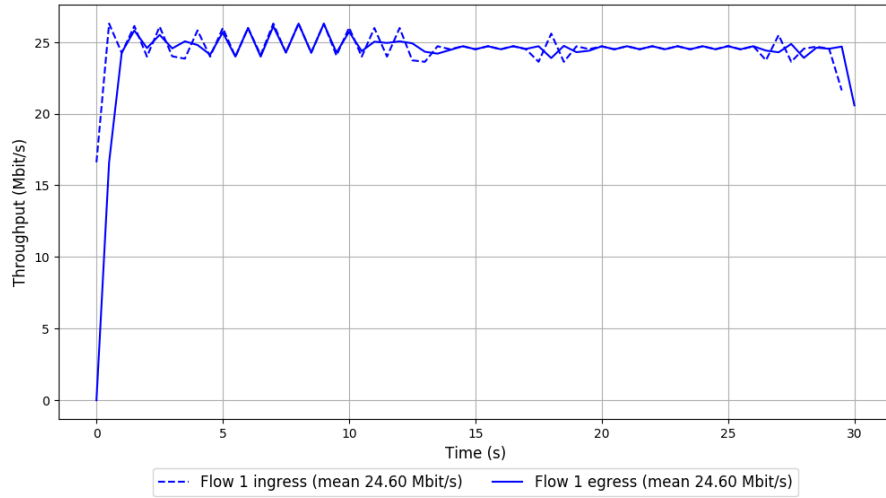
-- Flow 1:

Average throughput: 24.60 Mbit/s

95th percentile per-packet one-way delay: 25.891 ms

Loss rate: 0.13%

Run 2: Report of Sprout — Data Link



Run 3: Statistics of Sprout

Start at: 2019-05-30 06:26:39

End at: 2019-05-30 06:27:09

Local clock offset: 3.124 ms

Remote clock offset: 9.353 ms

Below is generated by plot.py at 2019-05-30 07:52:52

Datalink statistics

-- Total of 1 flow:

Average throughput: 24.37 Mbit/s

95th percentile per-packet one-way delay: 25.696 ms

Loss rate: 0.06%

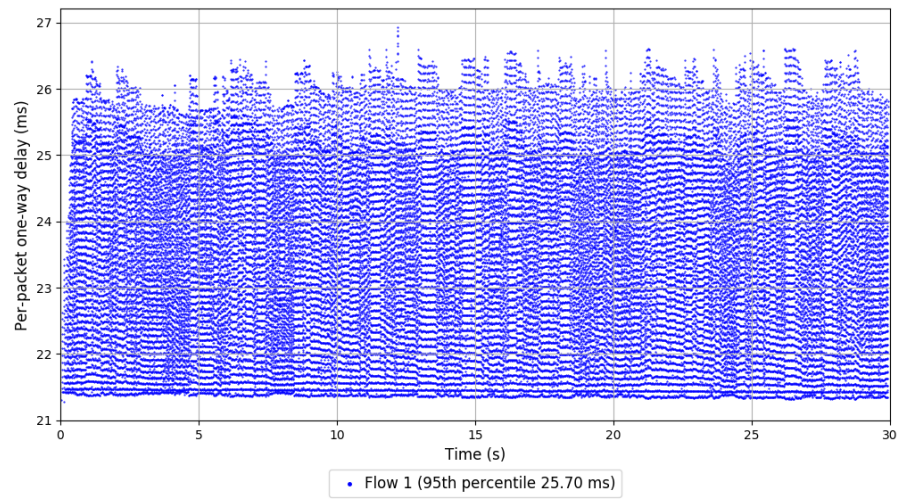
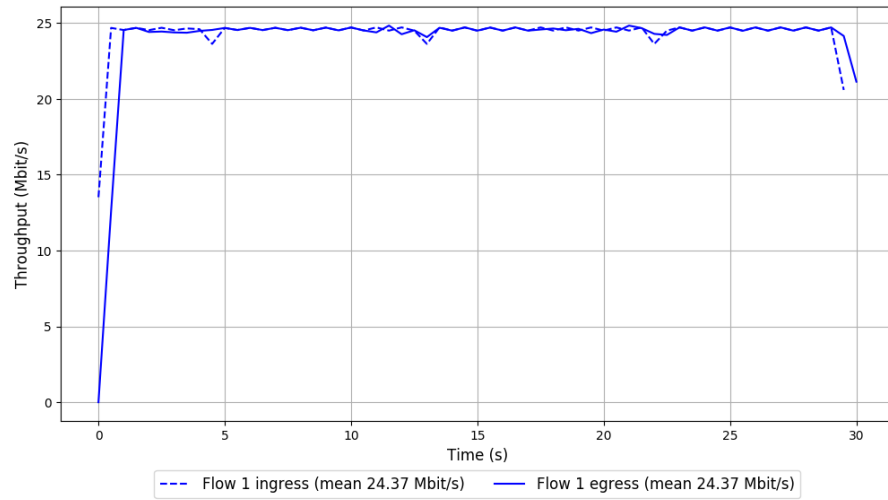
-- Flow 1:

Average throughput: 24.37 Mbit/s

95th percentile per-packet one-way delay: 25.696 ms

Loss rate: 0.06%

Run 3: Report of Sprout — Data Link



Run 4: Statistics of Sprout

Start at: 2019-05-30 06:51:16

End at: 2019-05-30 06:51:46

Local clock offset: -1.082 ms

Remote clock offset: 8.097 ms

Below is generated by plot.py at 2019-05-30 07:52:52

Datalink statistics

-- Total of 1 flow:

Average throughput: 24.85 Mbit/s

95th percentile per-packet one-way delay: 24.785 ms

Loss rate: 0.11%

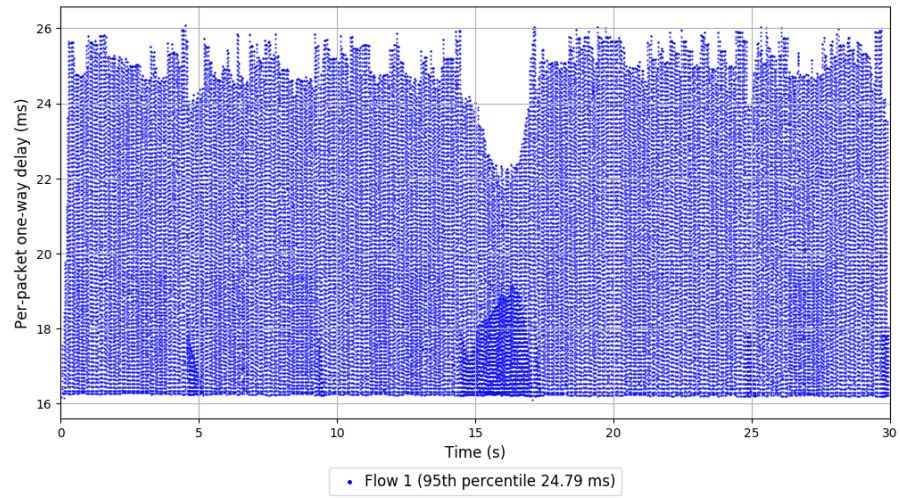
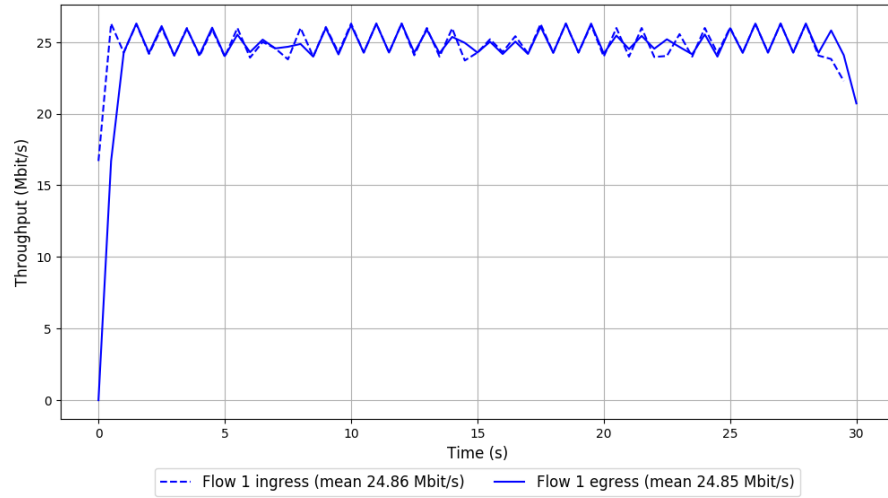
-- Flow 1:

Average throughput: 24.85 Mbit/s

95th percentile per-packet one-way delay: 24.785 ms

Loss rate: 0.11%

Run 4: Report of Sprout — Data Link



Run 5: Statistics of Sprout

Start at: 2019-05-30 07:15:53

End at: 2019-05-30 07:16:23

Local clock offset: 1.516 ms

Remote clock offset: 5.729 ms

Below is generated by plot.py at 2019-05-30 07:52:52

Datalink statistics

-- Total of 1 flow:

Average throughput: 24.51 Mbit/s

95th percentile per-packet one-way delay: 27.280 ms

Loss rate: 0.10%

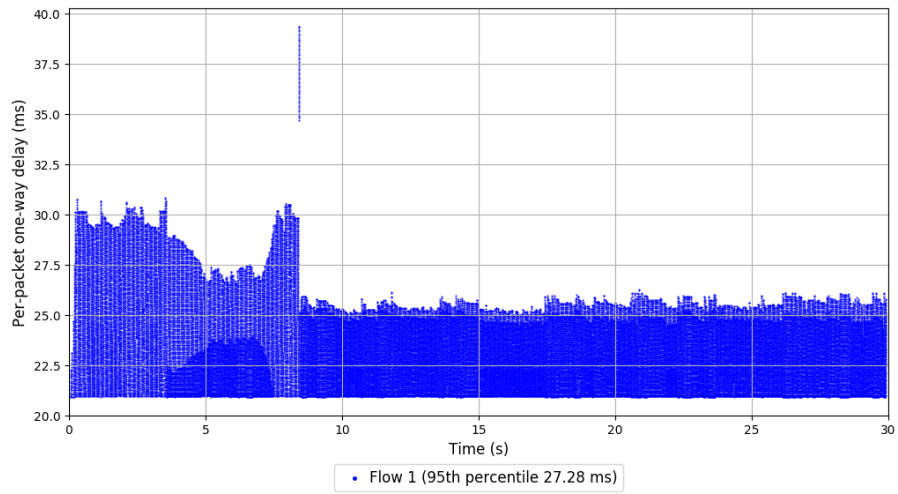
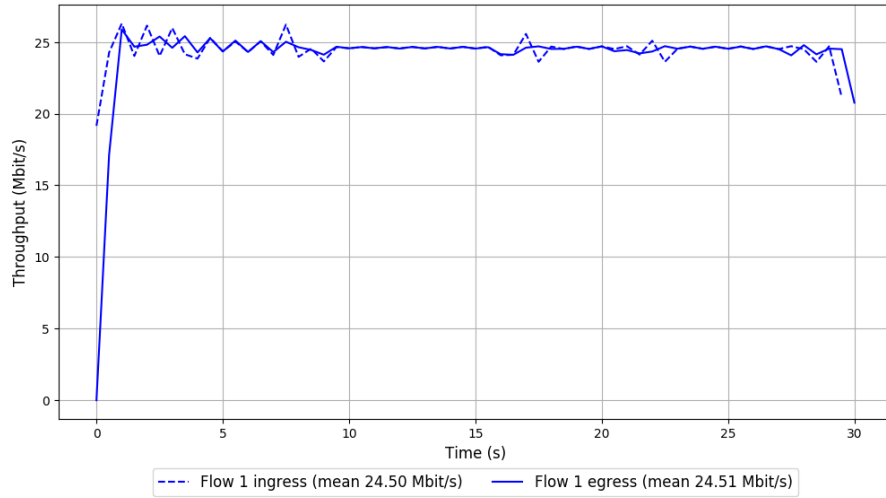
-- Flow 1:

Average throughput: 24.51 Mbit/s

95th percentile per-packet one-way delay: 27.280 ms

Loss rate: 0.10%

Run 5: Report of Sprout — Data Link



Run 1: Statistics of TaoVA-100x

Start at: 2019-05-30 05:54:41

End at: 2019-05-30 05:55:11

Local clock offset: -1.154 ms

Remote clock offset: 7.203 ms

Below is generated by plot.py at 2019-05-30 07:54:11

Datalink statistics

-- Total of 1 flow:

Average throughput: 92.27 Mbit/s

95th percentile per-packet one-way delay: 20.210 ms

Loss rate: 0.08%

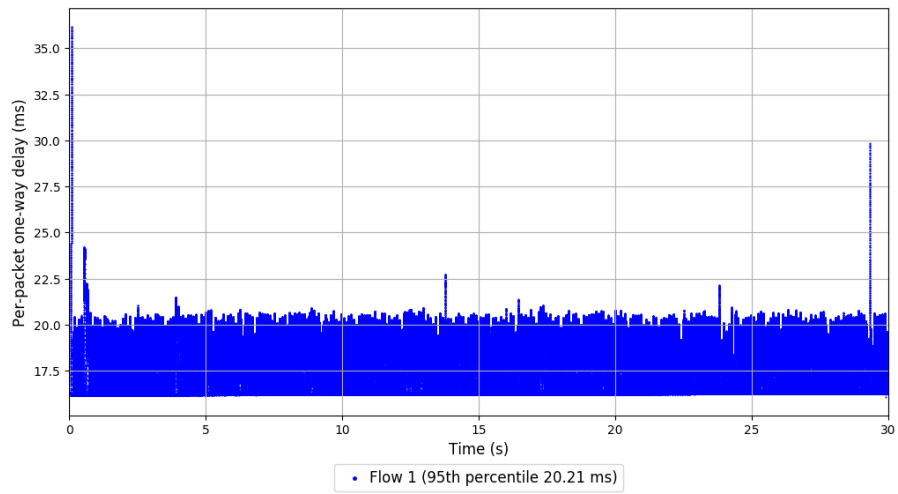
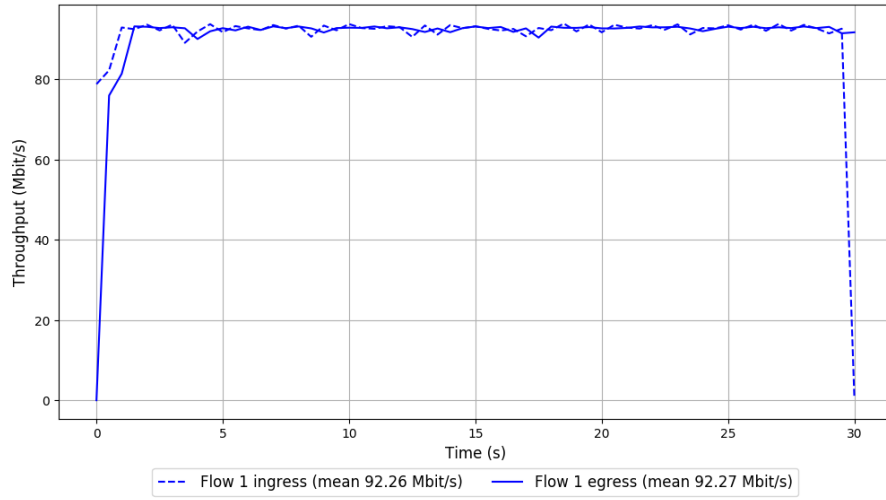
-- Flow 1:

Average throughput: 92.27 Mbit/s

95th percentile per-packet one-way delay: 20.210 ms

Loss rate: 0.08%

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



Run 2: Statistics of TaoVA-100x

Start at: 2019-05-30 06:19:40

End at: 2019-05-30 06:20:10

Local clock offset: 2.795 ms

Remote clock offset: 7.596 ms

Below is generated by plot.py at 2019-05-30 07:54:14

Datalink statistics

-- Total of 1 flow:

Average throughput: 92.59 Mbit/s

95th percentile per-packet one-way delay: 26.452 ms

Loss rate: 0.07%

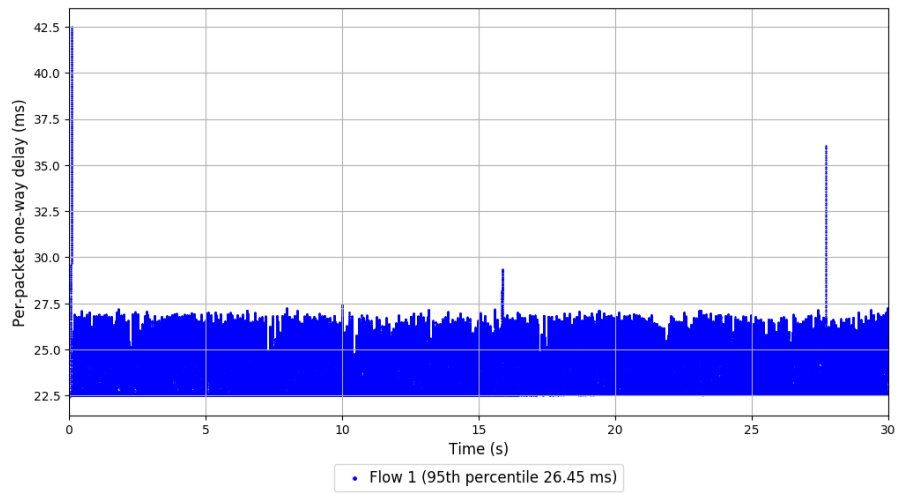
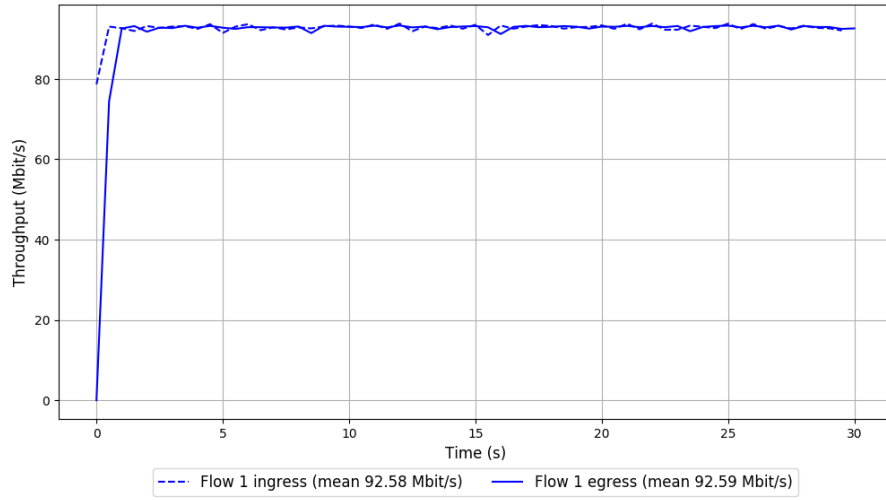
-- Flow 1:

Average throughput: 92.59 Mbit/s

95th percentile per-packet one-way delay: 26.452 ms

Loss rate: 0.07%

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



Run 3: Statistics of TaoVA-100x

Start at: 2019-05-30 06:44:17

End at: 2019-05-30 06:44:47

Local clock offset: 1.895 ms

Remote clock offset: 6.621 ms

Below is generated by plot.py at 2019-05-30 07:54:25

Datalink statistics

-- Total of 1 flow:

Average throughput: 92.58 Mbit/s

95th percentile per-packet one-way delay: 25.824 ms

Loss rate: 0.08%

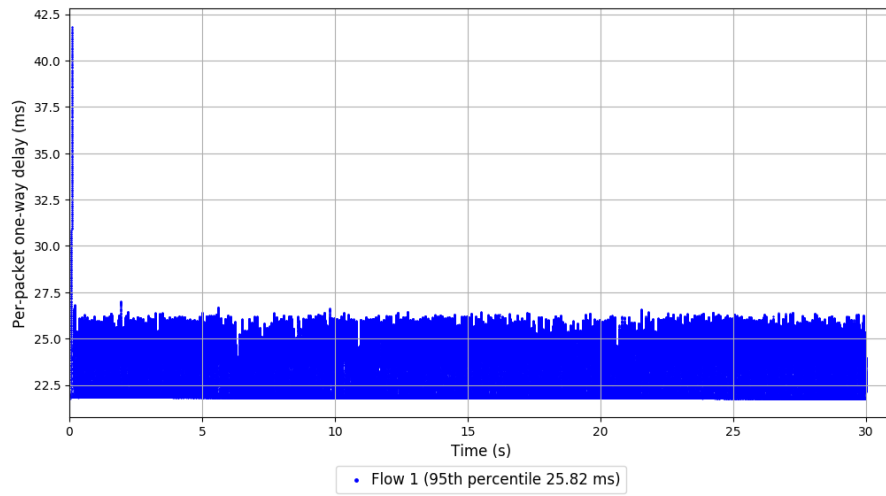
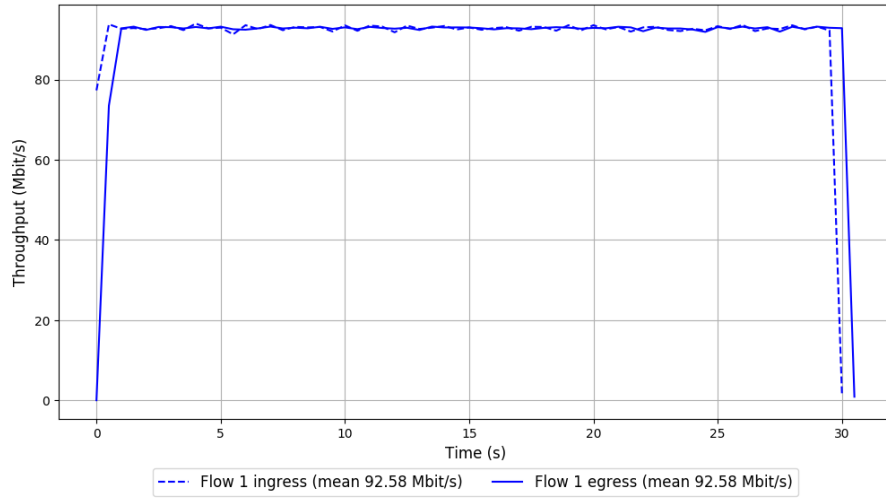
-- Flow 1:

Average throughput: 92.58 Mbit/s

95th percentile per-packet one-way delay: 25.824 ms

Loss rate: 0.08%

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



Run 4: Statistics of TaoVA-100x

Start at: 2019-05-30 07:08:50

End at: 2019-05-30 07:09:20

Local clock offset: 2.905 ms

Remote clock offset: 3.992 ms

Below is generated by plot.py at 2019-05-30 07:54:26

Datalink statistics

-- Total of 1 flow:

Average throughput: 92.67 Mbit/s

95th percentile per-packet one-way delay: 26.784 ms

Loss rate: 0.09%

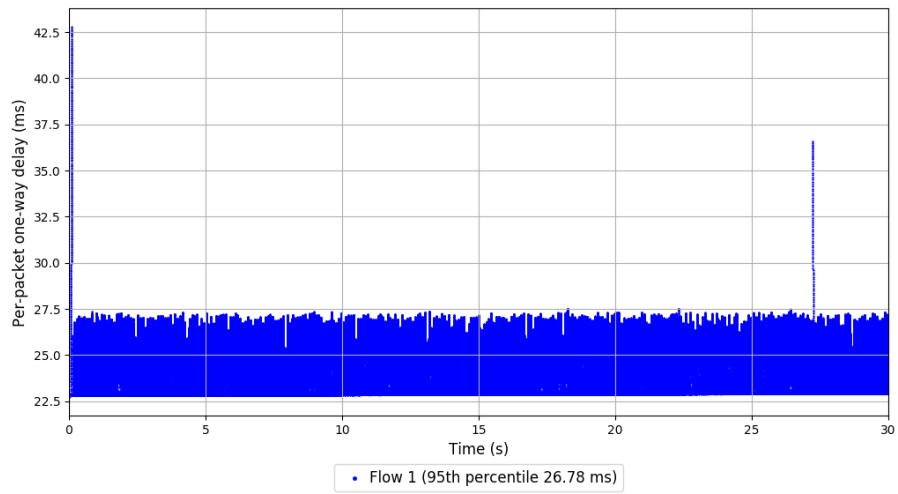
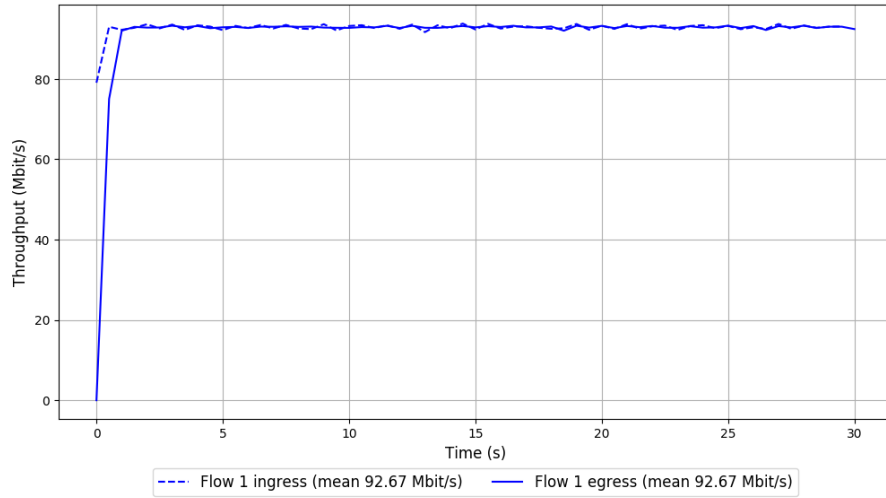
-- Flow 1:

Average throughput: 92.67 Mbit/s

95th percentile per-packet one-way delay: 26.784 ms

Loss rate: 0.09%

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



Run 5: Statistics of TaoVA-100x

Start at: 2019-05-30 07:33:27

End at: 2019-05-30 07:33:57

Local clock offset: 0.816 ms

Remote clock offset: 3.863 ms

Below is generated by plot.py at 2019-05-30 07:54:29

Datalink statistics

-- Total of 1 flow:

Average throughput: 92.42 Mbit/s

95th percentile per-packet one-way delay: 24.913 ms

Loss rate: 0.10%

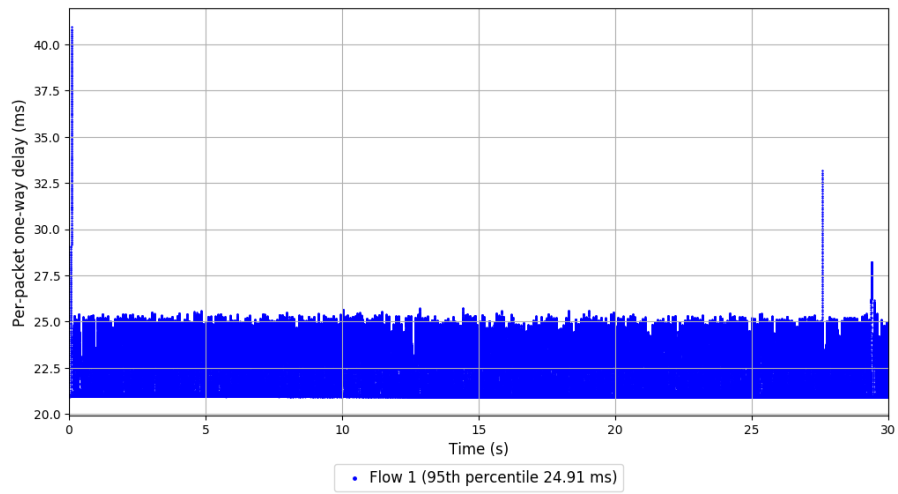
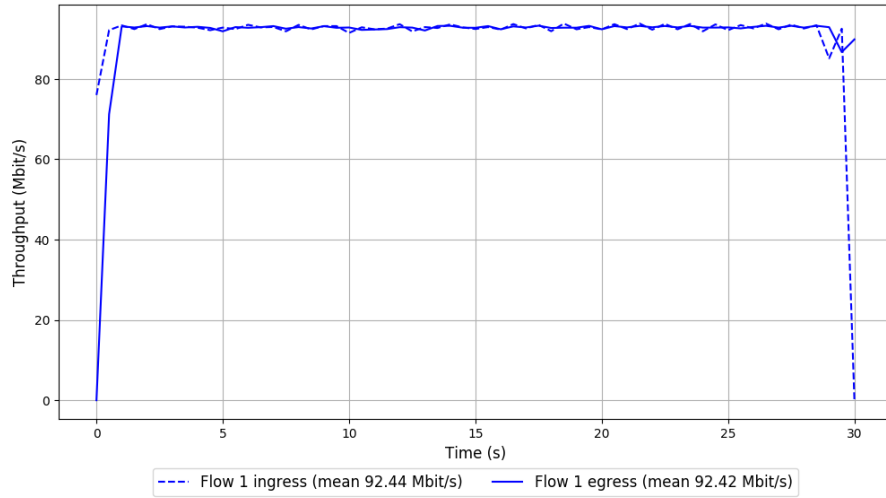
-- Flow 1:

Average throughput: 92.42 Mbit/s

95th percentile per-packet one-way delay: 24.913 ms

Loss rate: 0.10%

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



Run 1: Statistics of TCP Vegas

Start at: 2019-05-30 05:58:12

End at: 2019-05-30 05:58:42

Local clock offset: -2.18 ms

Remote clock offset: 6.217 ms

Below is generated by plot.py at 2019-05-30 07:54:29

Datalink statistics

-- Total of 1 flow:

Average throughput: 94.53 Mbit/s

95th percentile per-packet one-way delay: 18.112 ms

Loss rate: 0.10%

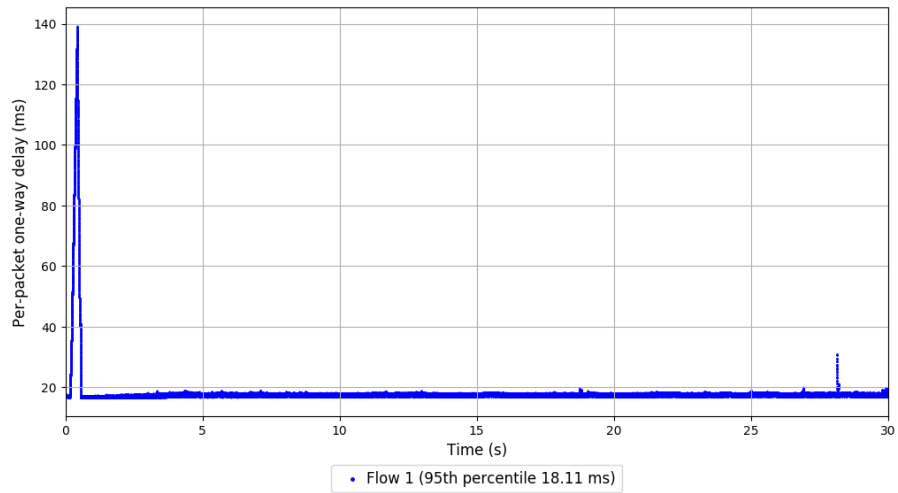
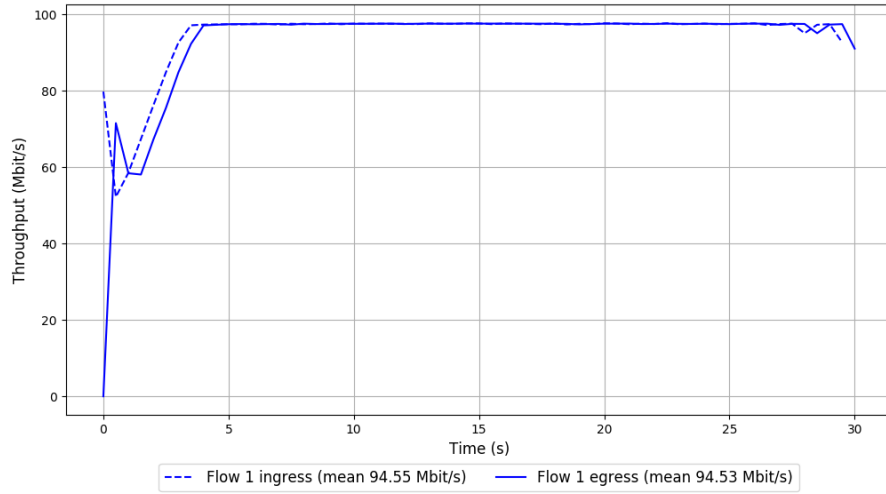
-- Flow 1:

Average throughput: 94.53 Mbit/s

95th percentile per-packet one-way delay: 18.112 ms

Loss rate: 0.10%

Run 1: Report of TCP Vegas — Data Link



Run 2: Statistics of TCP Vegas

Start at: 2019-05-30 06:23:11

End at: 2019-05-30 06:23:41

Local clock offset: -2.711 ms

Remote clock offset: 9.656 ms

Below is generated by plot.py at 2019-05-30 07:54:29

Datalink statistics

-- Total of 1 flow:

Average throughput: 96.96 Mbit/s

95th percentile per-packet one-way delay: 17.016 ms

Loss rate: 0.09%

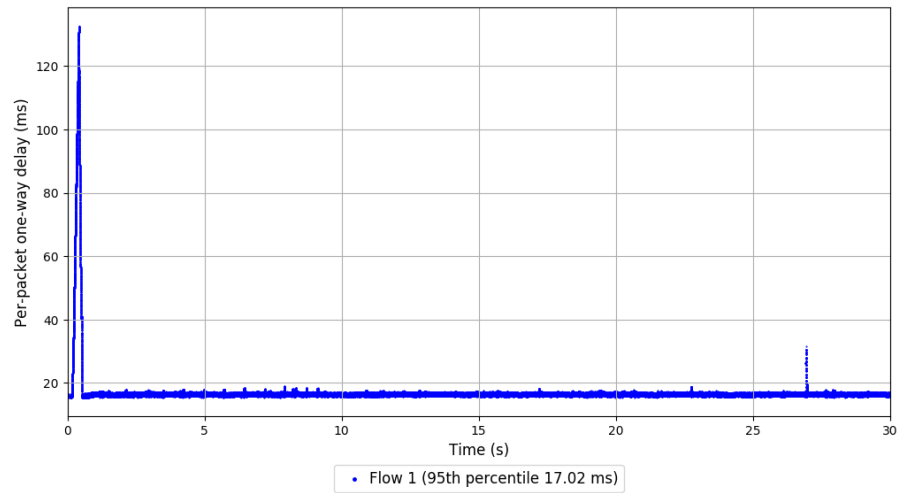
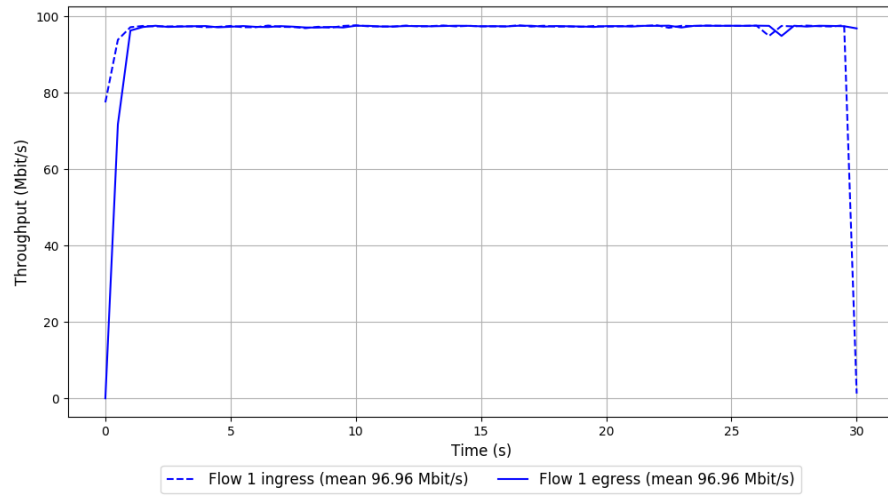
-- Flow 1:

Average throughput: 96.96 Mbit/s

95th percentile per-packet one-way delay: 17.016 ms

Loss rate: 0.09%

Run 2: Report of TCP Vegas — Data Link



Run 3: Statistics of TCP Vegas

Start at: 2019-05-30 06:47:45

End at: 2019-05-30 06:48:15

Local clock offset: -1.792 ms

Remote clock offset: 8.036 ms

Below is generated by plot.py at 2019-05-30 07:54:29

Datalink statistics

-- Total of 1 flow:

Average throughput: 97.04 Mbit/s

95th percentile per-packet one-way delay: 17.462 ms

Loss rate: 0.09%

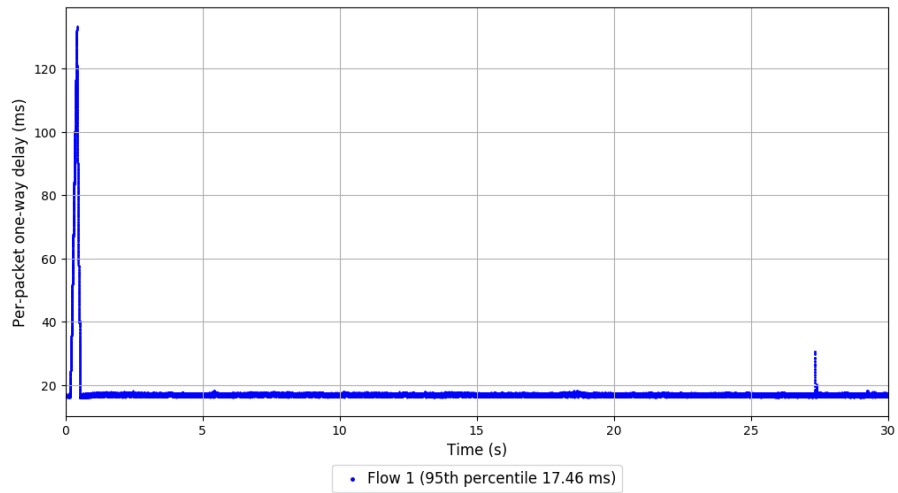
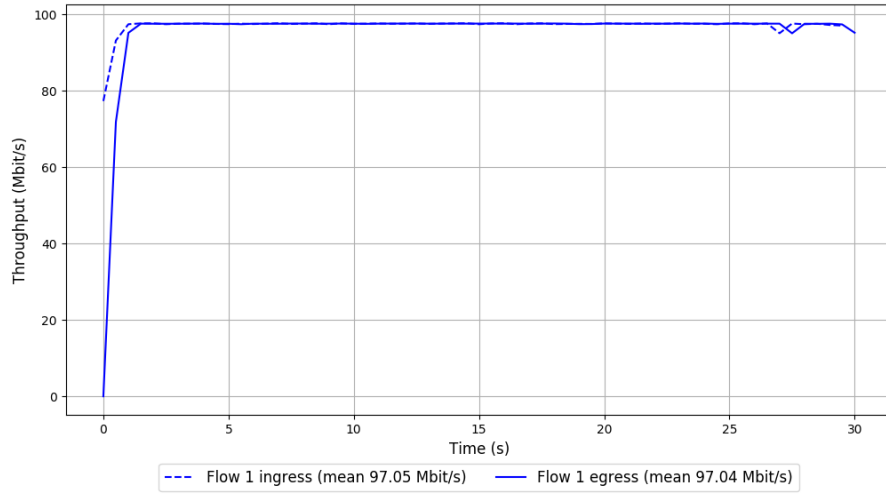
-- Flow 1:

Average throughput: 97.04 Mbit/s

95th percentile per-packet one-way delay: 17.462 ms

Loss rate: 0.09%

Run 3: Report of TCP Vegas — Data Link



Run 4: Statistics of TCP Vegas

Start at: 2019-05-30 07:12:23

End at: 2019-05-30 07:12:53

Local clock offset: 2.096 ms

Remote clock offset: 6.558 ms

Below is generated by plot.py at 2019-05-30 07:54:36

Datalink statistics

-- Total of 1 flow:

Average throughput: 94.13 Mbit/s

95th percentile per-packet one-way delay: 21.604 ms

Loss rate: 0.14%

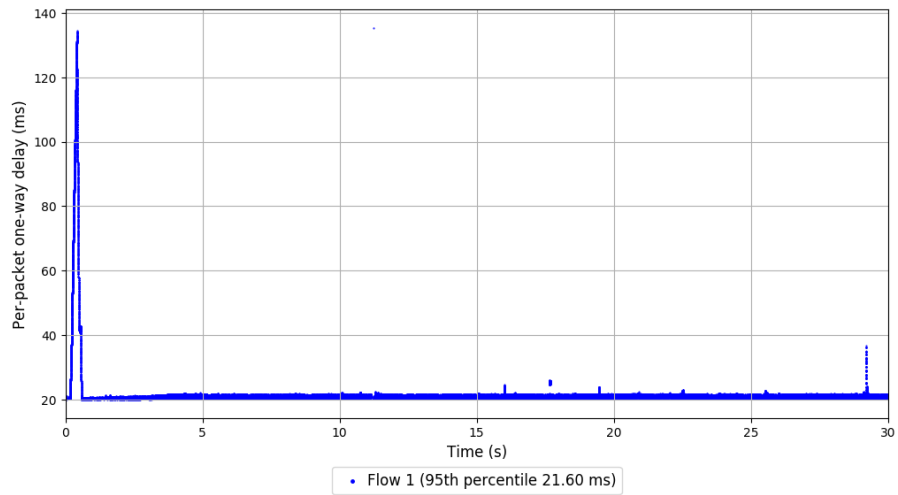
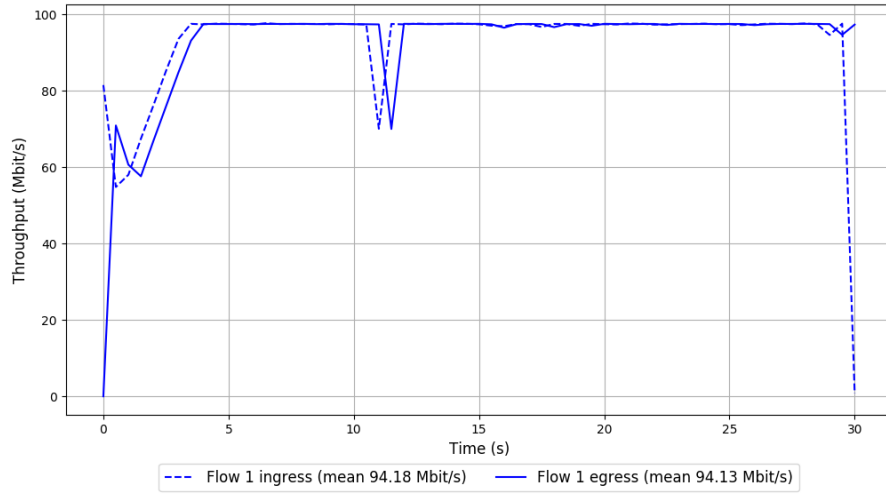
-- Flow 1:

Average throughput: 94.13 Mbit/s

95th percentile per-packet one-way delay: 21.604 ms

Loss rate: 0.14%

Run 4: Report of TCP Vegas — Data Link



Run 5: Statistics of TCP Vegas

Start at: 2019-05-30 07:36:54

End at: 2019-05-30 07:37:25

Local clock offset: 0.713 ms

Remote clock offset: 3.943 ms

Below is generated by plot.py at 2019-05-30 07:55:00

Datalink statistics

-- Total of 1 flow:

Average throughput: 96.93 Mbit/s

95th percentile per-packet one-way delay: 22.051 ms

Loss rate: 0.09%

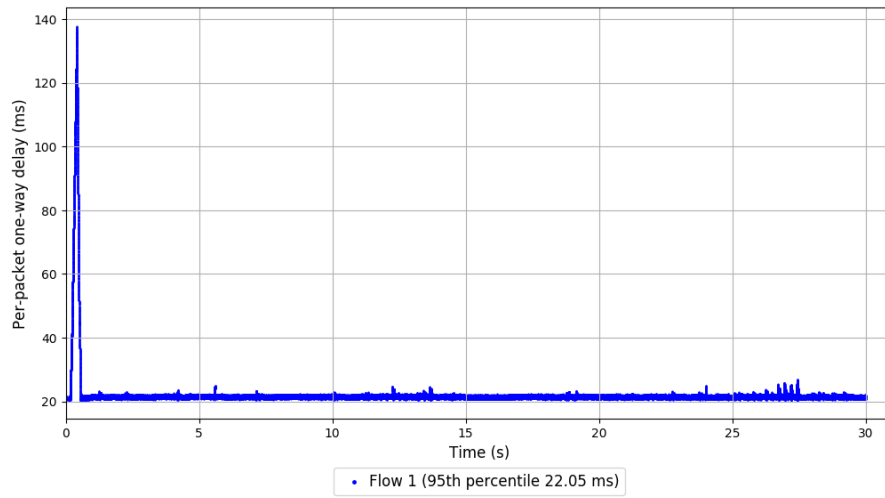
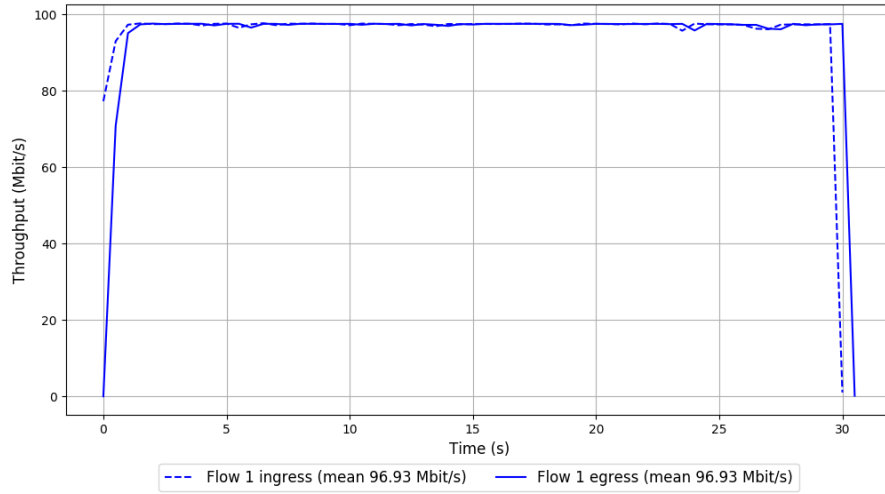
-- Flow 1:

Average throughput: 96.93 Mbit/s

95th percentile per-packet one-way delay: 22.051 ms

Loss rate: 0.09%

Run 5: Report of TCP Vegas — Data Link



Run 1: Statistics of Verus

Start at: 2019-05-30 05:41:30

End at: 2019-05-30 05:42:00

Local clock offset: 0.131 ms

Remote clock offset: 4.37 ms

Below is generated by plot.py at 2019-05-30 07:55:01

Datalink statistics

-- Total of 1 flow:

Average throughput: 92.27 Mbit/s

95th percentile per-packet one-way delay: 55.817 ms

Loss rate: 0.30%

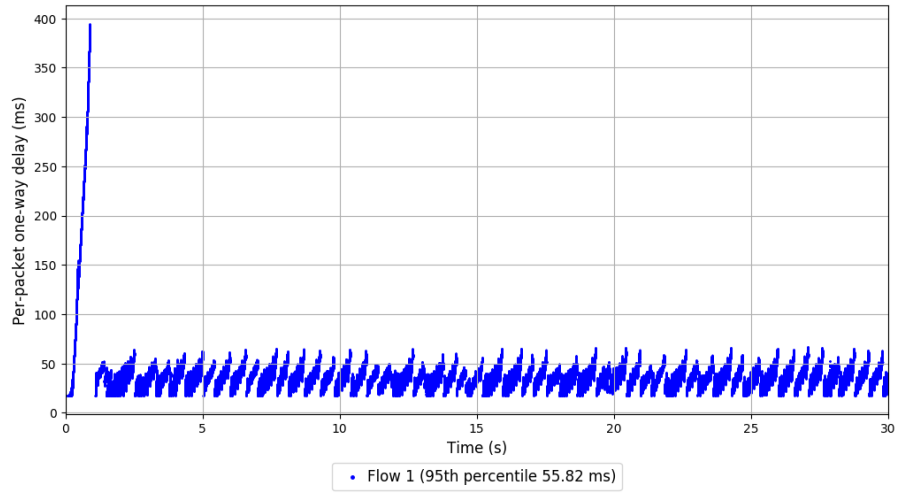
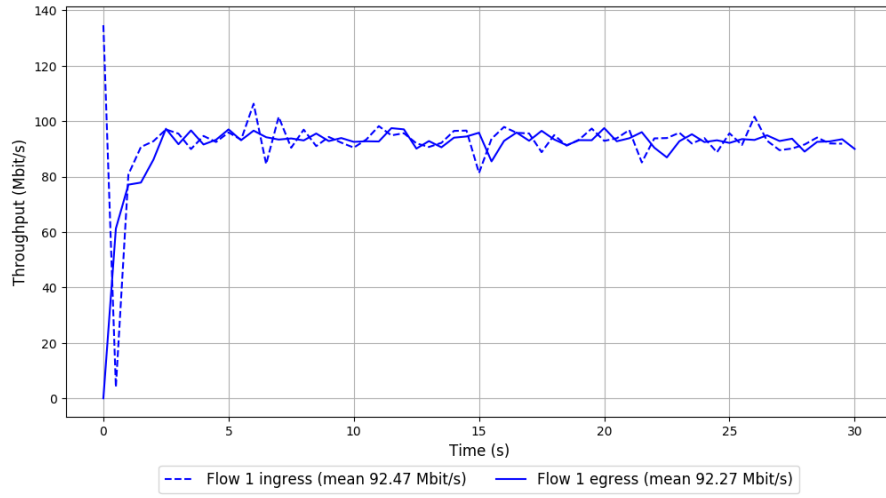
-- Flow 1:

Average throughput: 92.27 Mbit/s

95th percentile per-packet one-way delay: 55.817 ms

Loss rate: 0.30%

Run 1: Report of Verus — Data Link



Run 2: Statistics of Verus

Start at: 2019-05-30 06:06:21

End at: 2019-05-30 06:06:51

Local clock offset: 2.094 ms

Remote clock offset: 8.592 ms

Below is generated by plot.py at 2019-05-30 07:55:12

Datalink statistics

-- Total of 1 flow:

Average throughput: 92.65 Mbit/s

95th percentile per-packet one-way delay: 55.548 ms

Loss rate: 0.44%

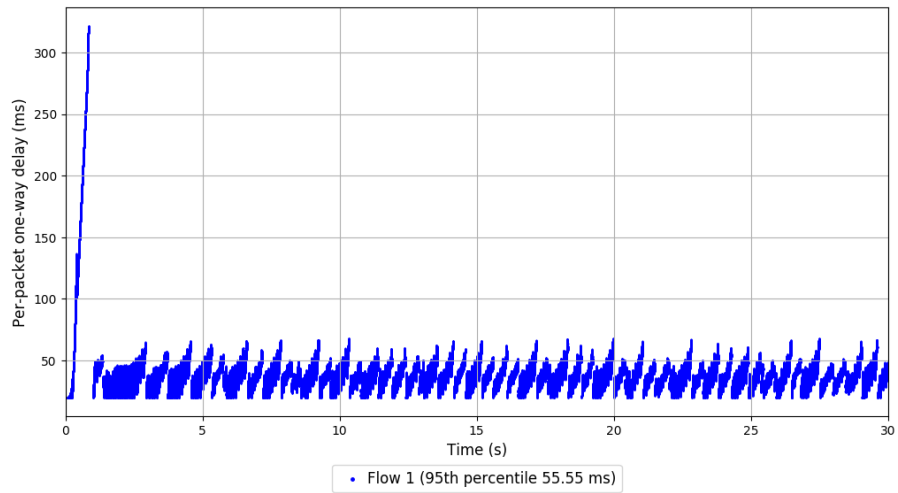
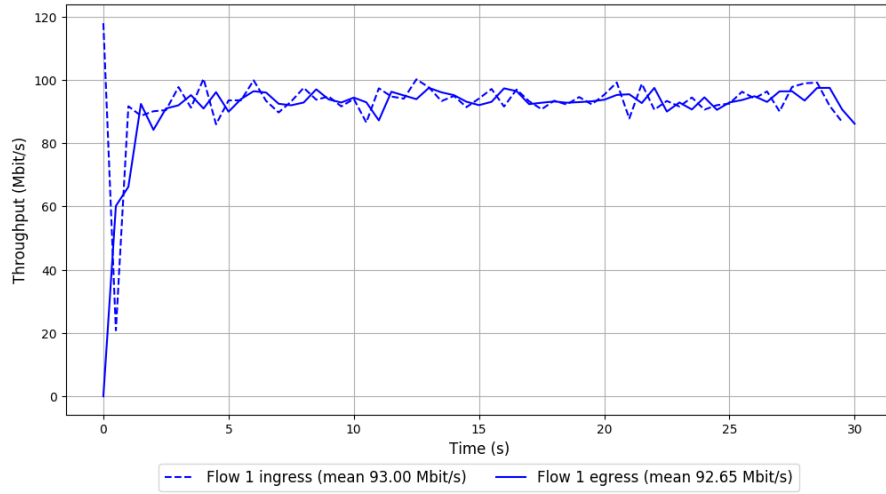
-- Flow 1:

Average throughput: 92.65 Mbit/s

95th percentile per-packet one-way delay: 55.548 ms

Loss rate: 0.44%

Run 2: Report of Verus — Data Link



Run 3: Statistics of Verus

Start at: 2019-05-30 06:31:10

End at: 2019-05-30 06:31:40

Local clock offset: -1.739 ms

Remote clock offset: 9.037 ms

Below is generated by plot.py at 2019-05-30 07:55:13

Datalink statistics

-- Total of 1 flow:

Average throughput: 89.23 Mbit/s

95th percentile per-packet one-way delay: 40.433 ms

Loss rate: 0.24%

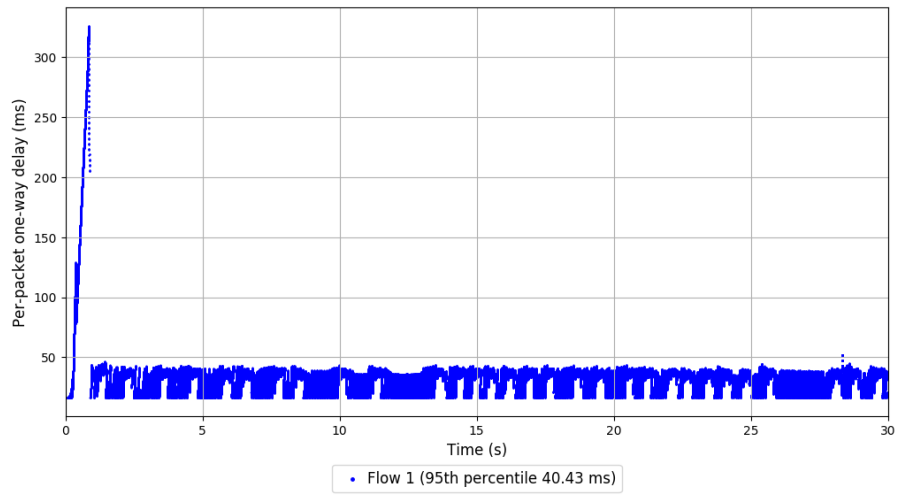
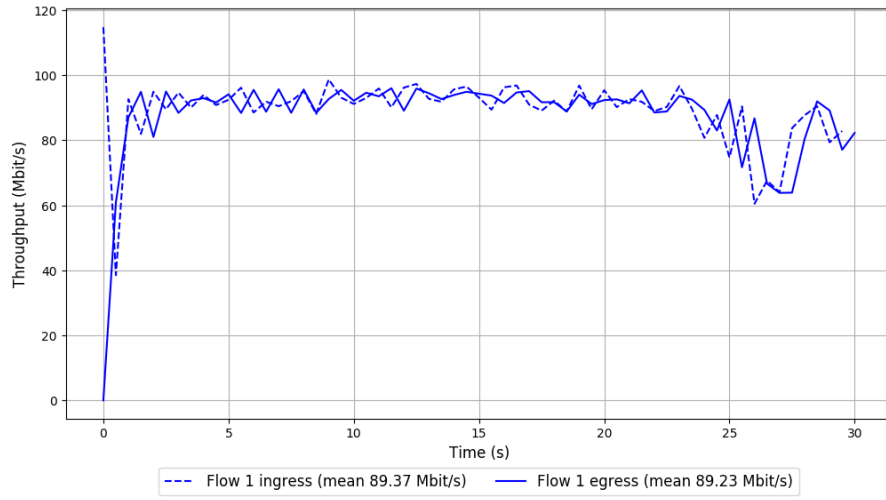
-- Flow 1:

Average throughput: 89.23 Mbit/s

95th percentile per-packet one-way delay: 40.433 ms

Loss rate: 0.24%

Run 3: Report of Verus — Data Link



Run 4: Statistics of Verus

Start at: 2019-05-30 06:55:56

End at: 2019-05-30 06:56:26

Local clock offset: -1.874 ms

Remote clock offset: 6.735 ms

Below is generated by plot.py at 2019-05-30 07:55:31

Datalink statistics

-- Total of 1 flow:

Average throughput: 92.84 Mbit/s

95th percentile per-packet one-way delay: 52.622 ms

Loss rate: 0.17%

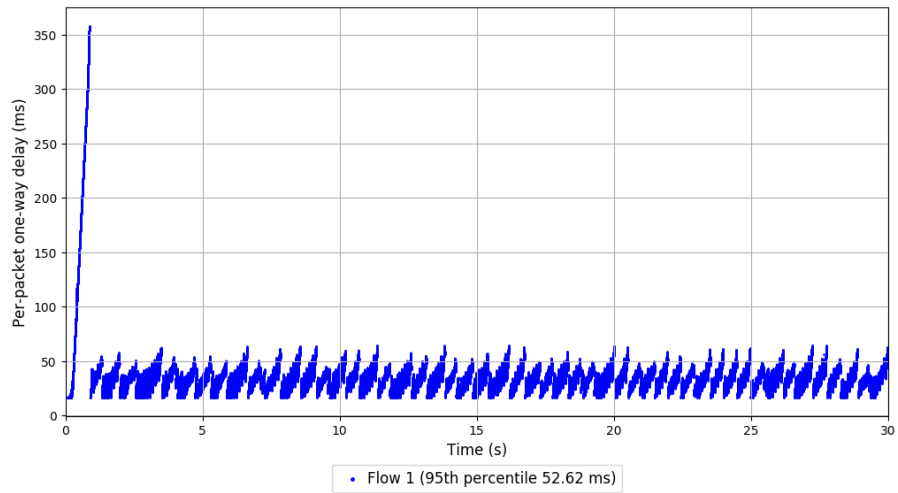
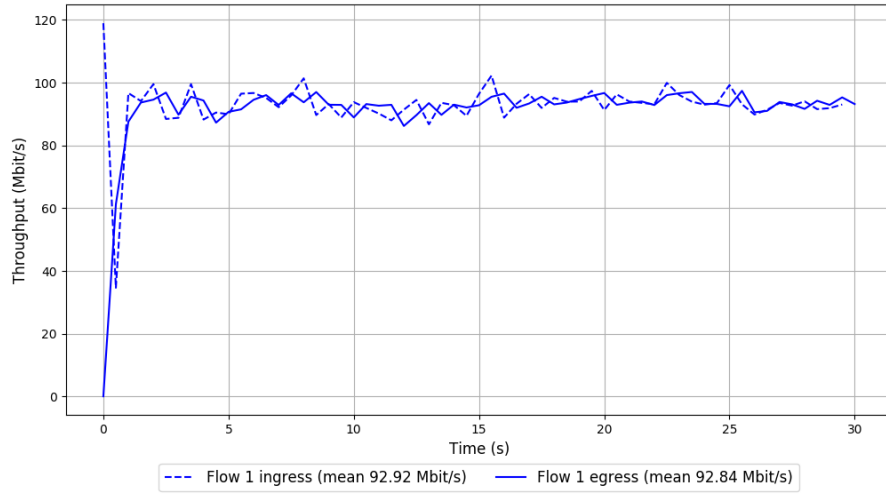
-- Flow 1:

Average throughput: 92.84 Mbit/s

95th percentile per-packet one-way delay: 52.622 ms

Loss rate: 0.17%

Run 4: Report of Verus — Data Link



Run 5: Statistics of Verus

Start at: 2019-05-30 07:20:30

End at: 2019-05-30 07:21:00

Local clock offset: -3.594 ms

Remote clock offset: 5.804 ms

Below is generated by plot.py at 2019-05-30 07:55:31

Datalink statistics

-- Total of 1 flow:

Average throughput: 88.66 Mbit/s

95th percentile per-packet one-way delay: 34.918 ms

Loss rate: 0.27%

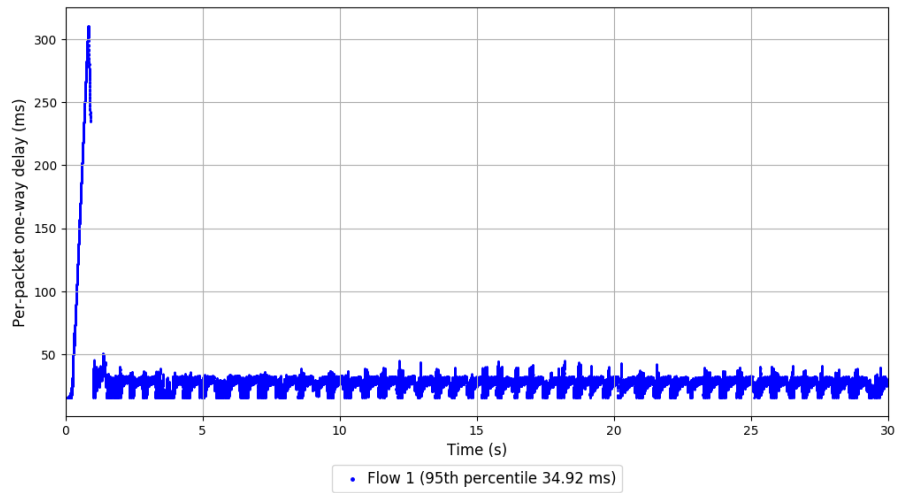
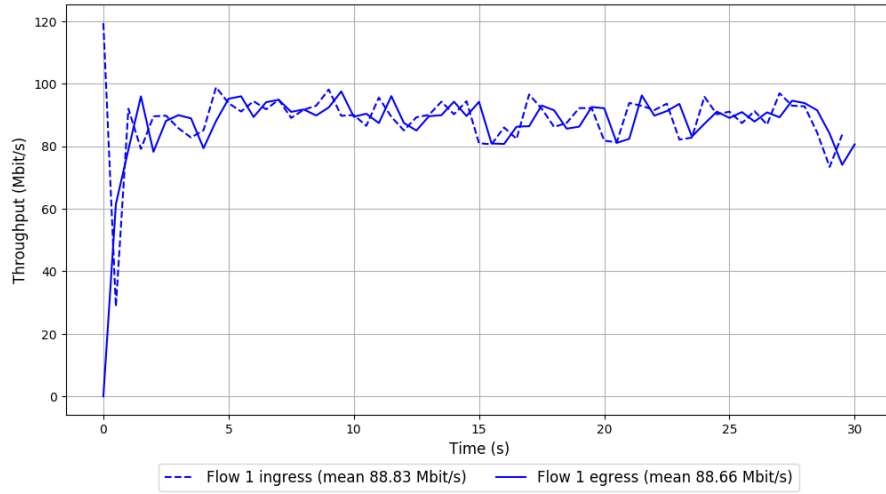
-- Flow 1:

Average throughput: 88.66 Mbit/s

95th percentile per-packet one-way delay: 34.918 ms

Loss rate: 0.27%

Run 5: Report of Verus — Data Link



Run 1: Statistics of PCC-Vivace

Start at: 2019-05-30 05:49:40

End at: 2019-05-30 05:50:10

Local clock offset: -2.232 ms

Remote clock offset: 6.569 ms

Below is generated by plot.py at 2019-05-30 07:55:34

Datalink statistics

-- Total of 1 flow:

Average throughput: 88.17 Mbit/s

95th percentile per-packet one-way delay: 15.326 ms

Loss rate: 0.09%

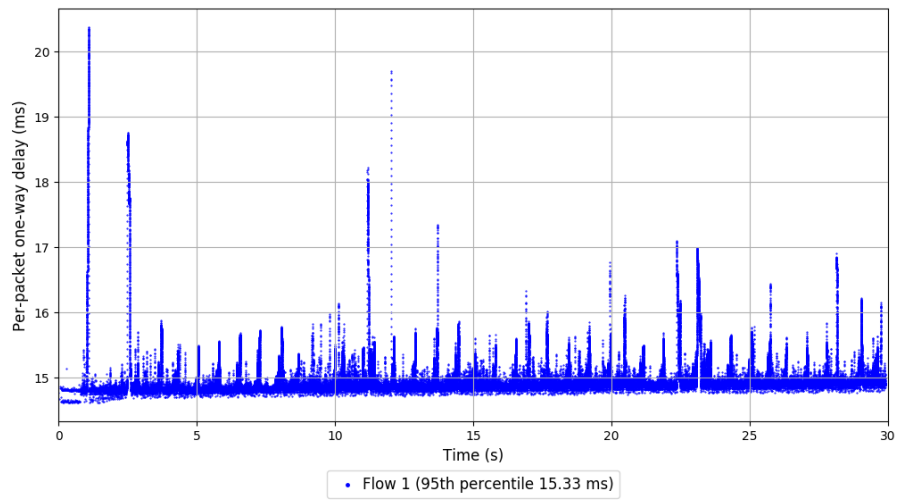
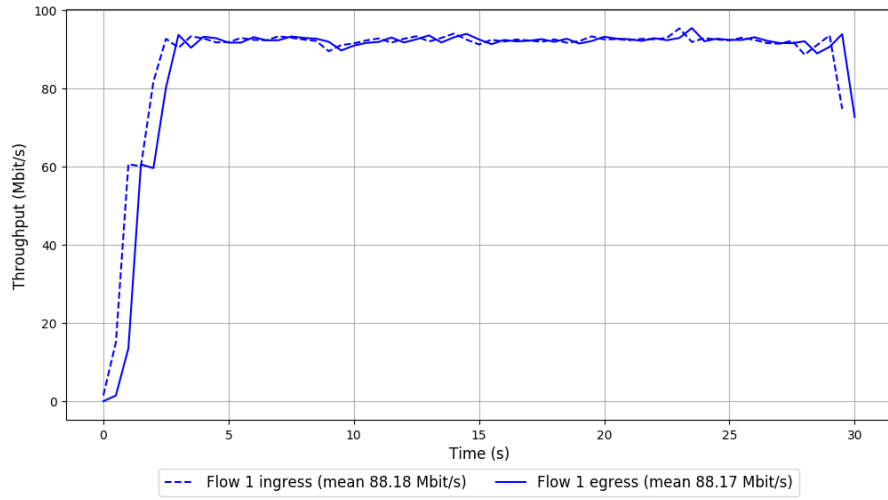
-- Flow 1:

Average throughput: 88.17 Mbit/s

95th percentile per-packet one-way delay: 15.326 ms

Loss rate: 0.09%

Run 1: Report of PCC-Vivace — Data Link



Run 2: Statistics of PCC-Vivace

Start at: 2019-05-30 06:14:44

End at: 2019-05-30 06:15:14

Local clock offset: -2.244 ms

Remote clock offset: 9.125 ms

Below is generated by plot.py at 2019-05-30 07:55:37

Datalink statistics

-- Total of 1 flow:

Average throughput: 87.36 Mbit/s

95th percentile per-packet one-way delay: 16.061 ms

Loss rate: 0.09%

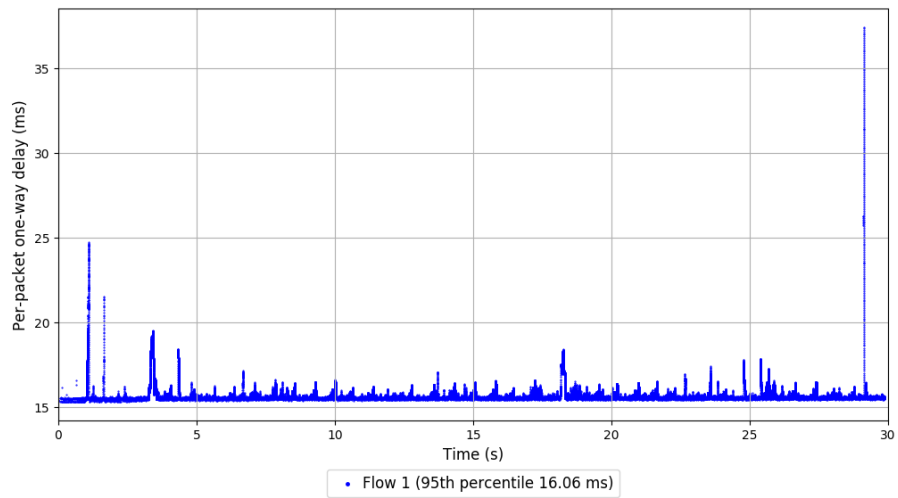
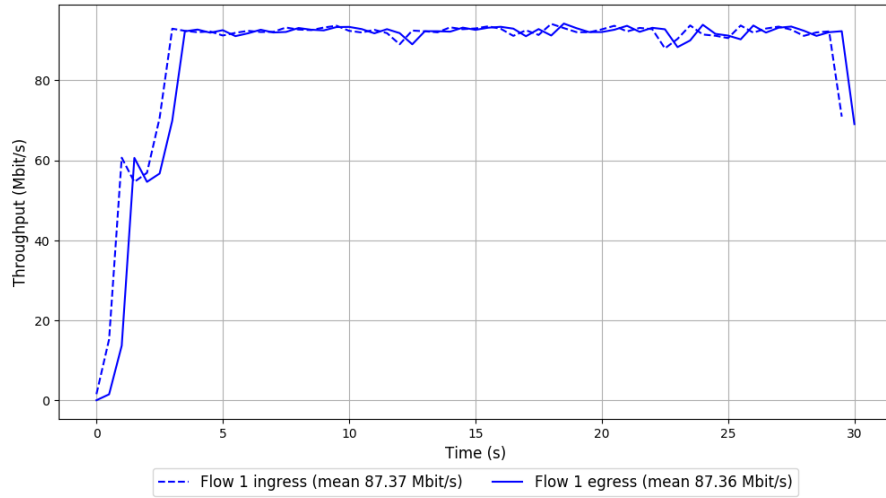
-- Flow 1:

Average throughput: 87.36 Mbit/s

95th percentile per-packet one-way delay: 16.061 ms

Loss rate: 0.09%

Run 2: Report of PCC-Vivace — Data Link



Run 3: Statistics of PCC-Vivace

Start at: 2019-05-30 06:39:23

End at: 2019-05-30 06:39:53

Local clock offset: 2.219 ms

Remote clock offset: 7.512 ms

Below is generated by plot.py at 2019-05-30 07:55:48

Datalink statistics

-- Total of 1 flow:

Average throughput: 85.92 Mbit/s

95th percentile per-packet one-way delay: 22.206 ms

Loss rate: 0.09%

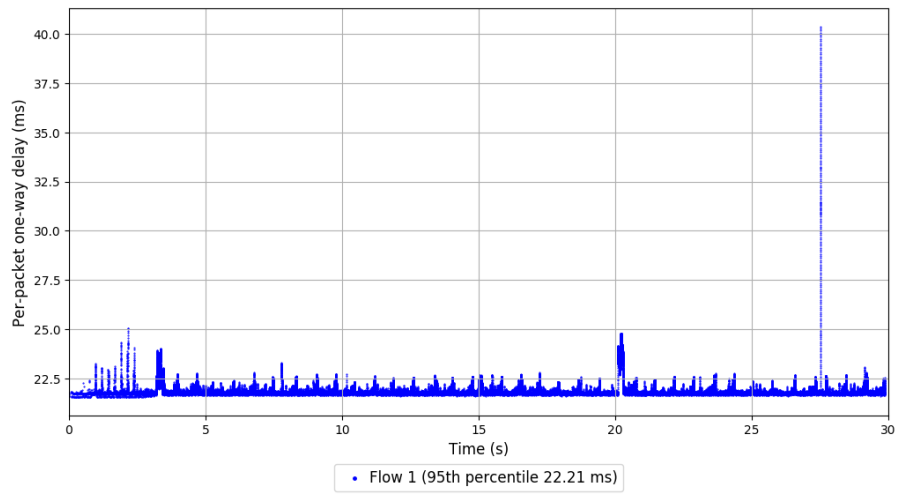
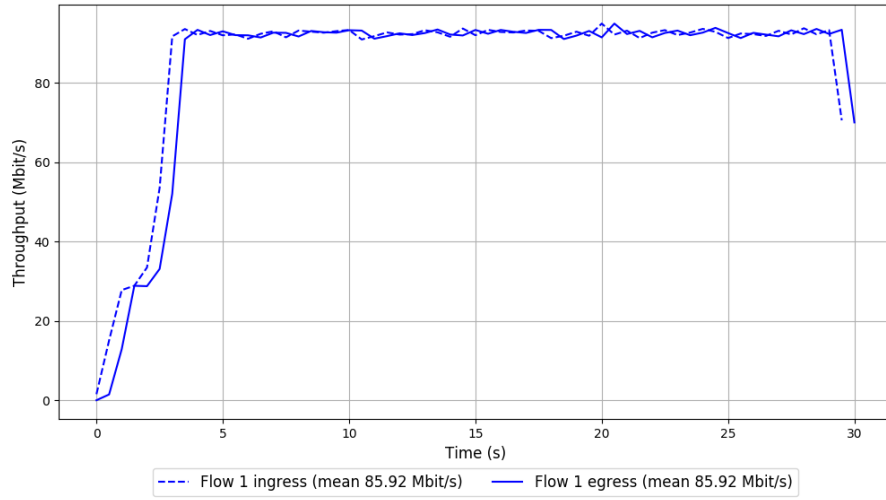
-- Flow 1:

Average throughput: 85.92 Mbit/s

95th percentile per-packet one-way delay: 22.206 ms

Loss rate: 0.09%

Run 3: Report of PCC-Vivace — Data Link



Run 4: Statistics of PCC-Vivace

Start at: 2019-05-30 07:04:01

End at: 2019-05-30 07:04:31

Local clock offset: -2.167 ms

Remote clock offset: 5.99 ms

Below is generated by plot.py at 2019-05-30 07:55:49

Datalink statistics

-- Total of 1 flow:

Average throughput: 88.40 Mbit/s

95th percentile per-packet one-way delay: 16.302 ms

Loss rate: 0.09%

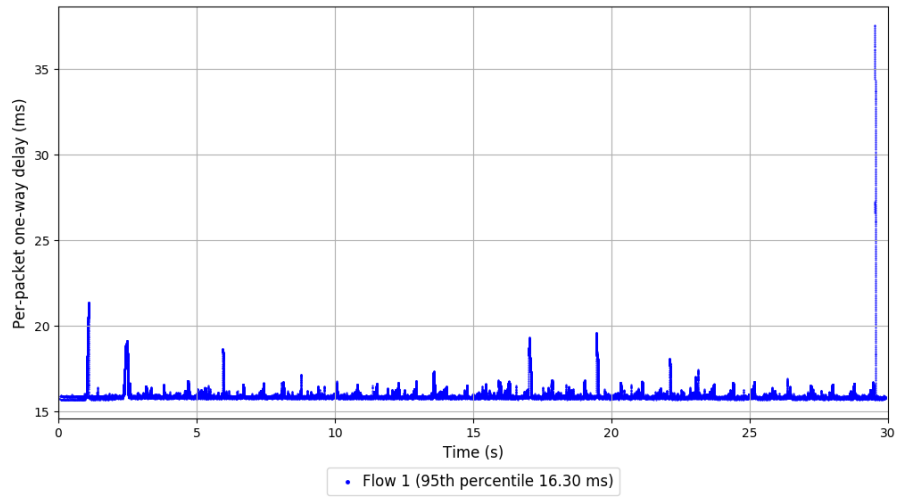
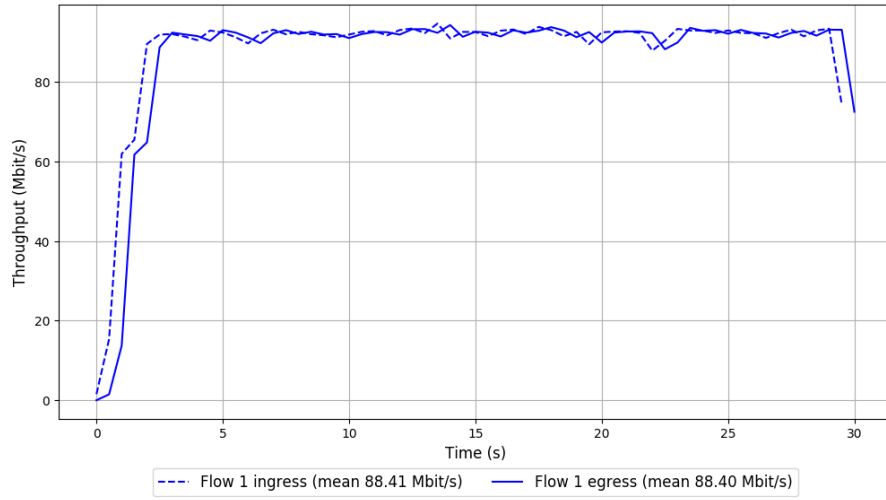
-- Flow 1:

Average throughput: 88.40 Mbit/s

95th percentile per-packet one-way delay: 16.302 ms

Loss rate: 0.09%

Run 4: Report of PCC-Vivace — Data Link



Run 5: Statistics of PCC-Vivace

Start at: 2019-05-30 07:28:39

End at: 2019-05-30 07:29:09

Local clock offset: -4.141 ms

Remote clock offset: 4.669 ms

Below is generated by plot.py at 2019-05-30 07:55:50

Datalink statistics

-- Total of 1 flow:

Average throughput: 88.17 Mbit/s

95th percentile per-packet one-way delay: 15.978 ms

Loss rate: 0.09%

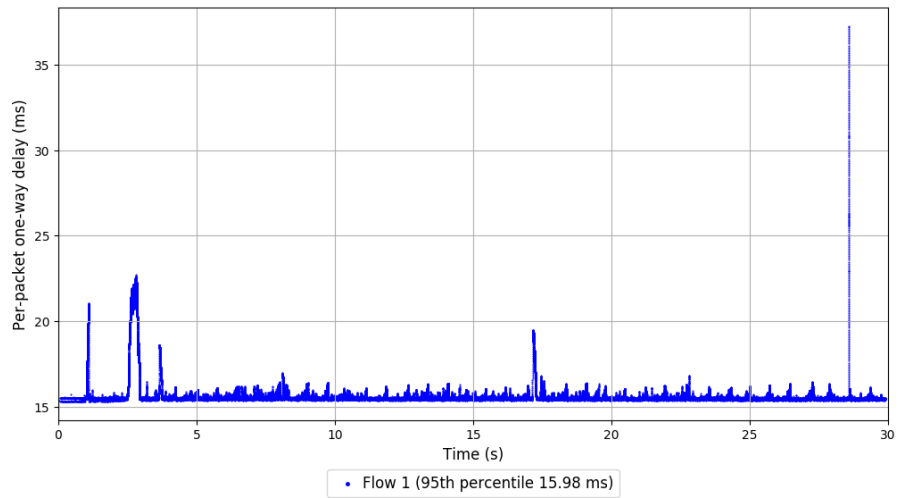
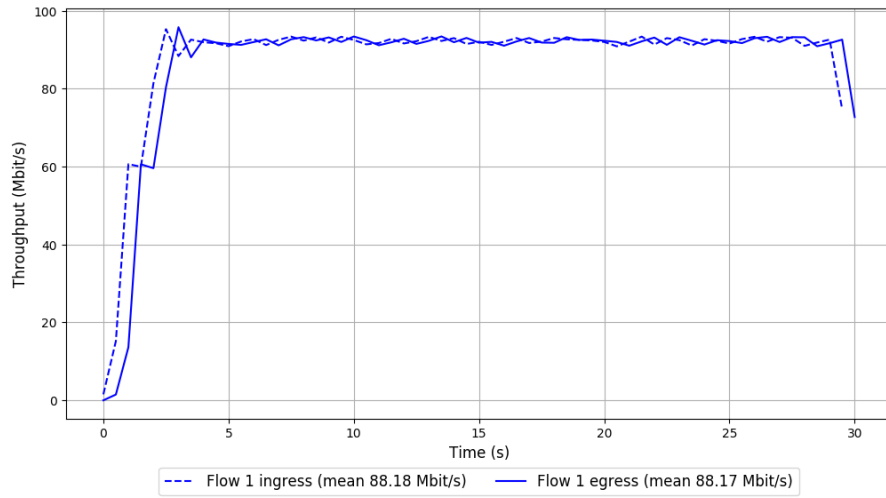
-- Flow 1:

Average throughput: 88.17 Mbit/s

95th percentile per-packet one-way delay: 15.978 ms

Loss rate: 0.09%

Run 5: Report of PCC-Vivace — Data Link



Run 1: Statistics of WebRTC media

Start at: 2019-05-30 05:46:13

End at: 2019-05-30 05:46:43

Local clock offset: -2.103 ms

Remote clock offset: 4.297 ms

Below is generated by plot.py at 2019-05-30 07:55:50

Datalink statistics

-- Total of 1 flow:

Average throughput: 2.43 Mbit/s

95th percentile per-packet one-way delay: 17.026 ms

Loss rate: 0.13%

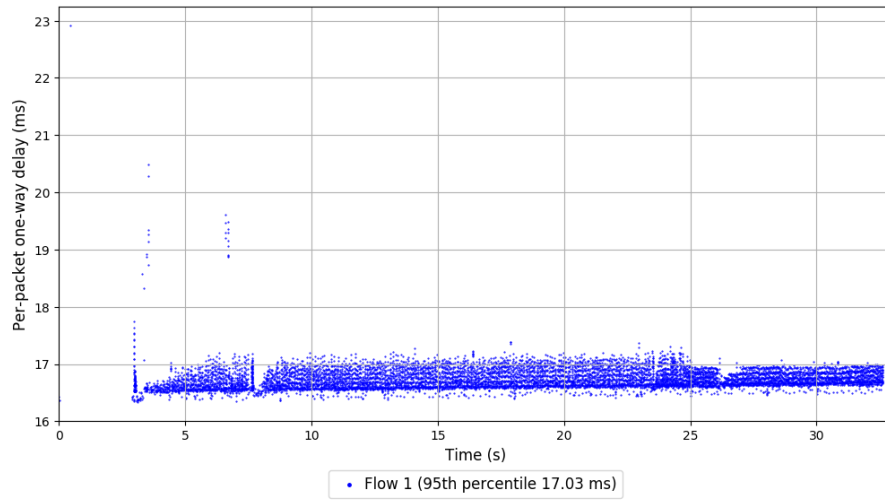
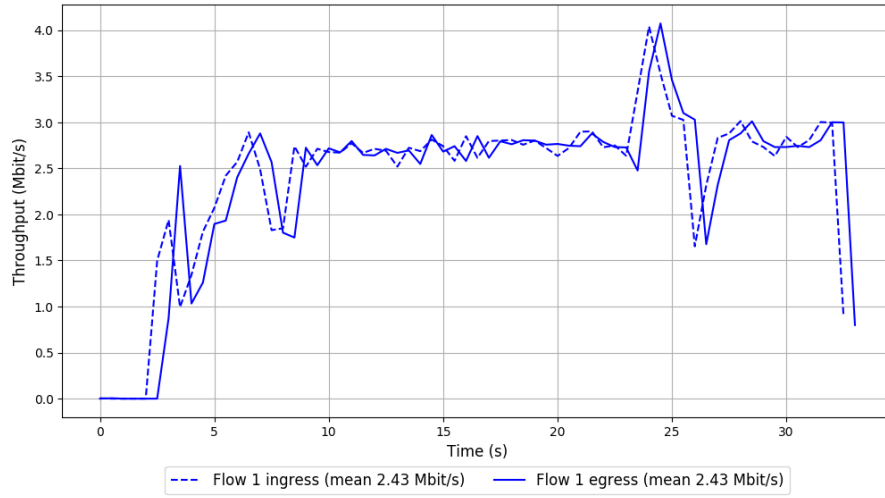
-- Flow 1:

Average throughput: 2.43 Mbit/s

95th percentile per-packet one-way delay: 17.026 ms

Loss rate: 0.13%

Run 1: Report of WebRTC media — Data Link



Run 2: Statistics of WebRTC media

Start at: 2019-05-30 06:11:14

End at: 2019-05-30 06:11:44

Local clock offset: -2.303 ms

Remote clock offset: 9.523 ms

Below is generated by plot.py at 2019-05-30 07:55:50

Datalink statistics

-- Total of 1 flow:

Average throughput: 2.38 Mbit/s

95th percentile per-packet one-way delay: 15.286 ms

Loss rate: 0.08%

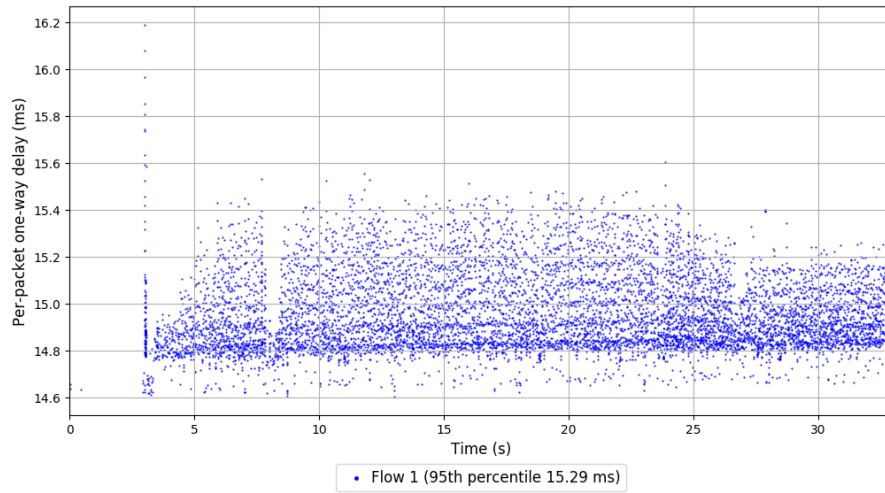
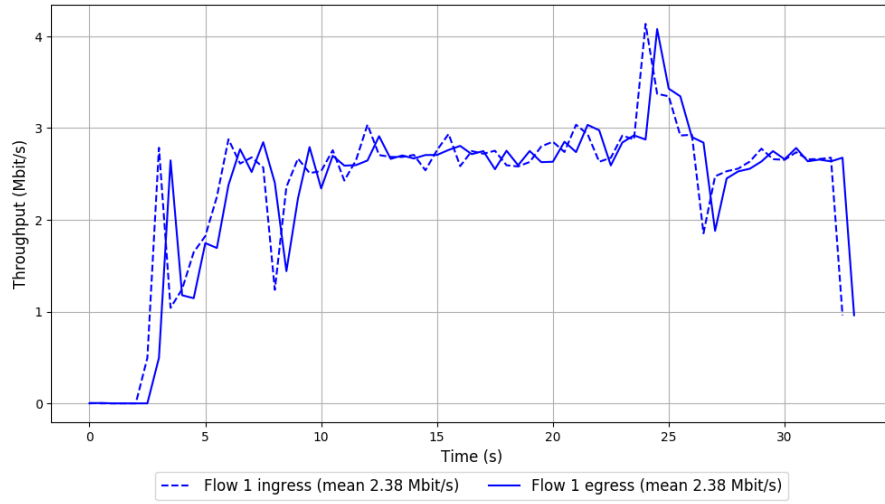
-- Flow 1:

Average throughput: 2.38 Mbit/s

95th percentile per-packet one-way delay: 15.286 ms

Loss rate: 0.08%

Run 2: Report of WebRTC media — Data Link



Run 3: Statistics of WebRTC media

Start at: 2019-05-30 06:35:53

End at: 2019-05-30 06:36:23

Local clock offset: -1.542 ms

Remote clock offset: 8.513 ms

Below is generated by plot.py at 2019-05-30 07:55:50

Datalink statistics

-- Total of 1 flow:

Average throughput: 2.39 Mbit/s

95th percentile per-packet one-way delay: 17.453 ms

Loss rate: 0.06%

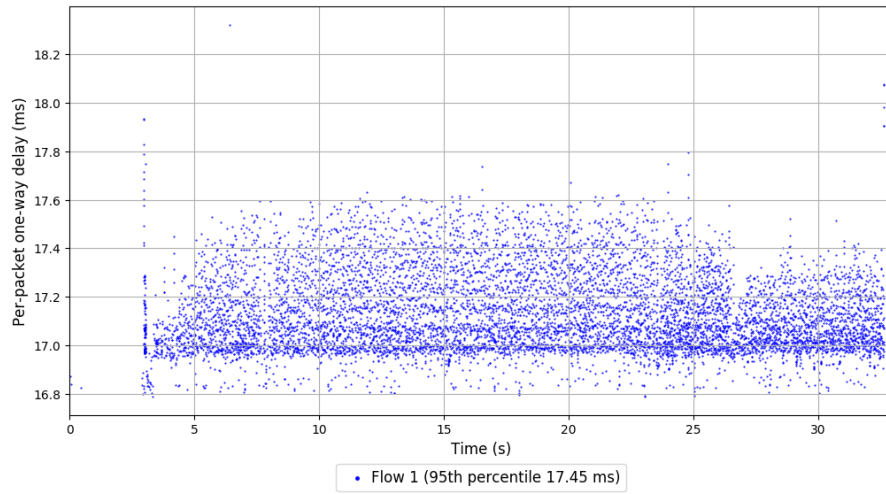
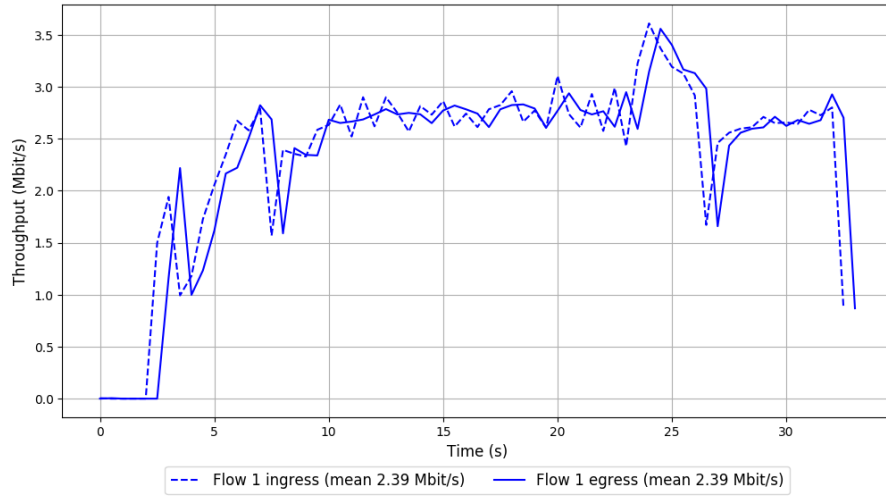
-- Flow 1:

Average throughput: 2.39 Mbit/s

95th percentile per-packet one-way delay: 17.453 ms

Loss rate: 0.06%

Run 3: Report of WebRTC media — Data Link



Run 4: Statistics of WebRTC media

Start at: 2019-05-30 07:00:34

End at: 2019-05-30 07:01:04

Local clock offset: -2.286 ms

Remote clock offset: 7.259 ms

Below is generated by plot.py at 2019-05-30 07:55:50

Datalink statistics

-- Total of 1 flow:

Average throughput: 2.36 Mbit/s

95th percentile per-packet one-way delay: 15.321 ms

Loss rate: 0.08%

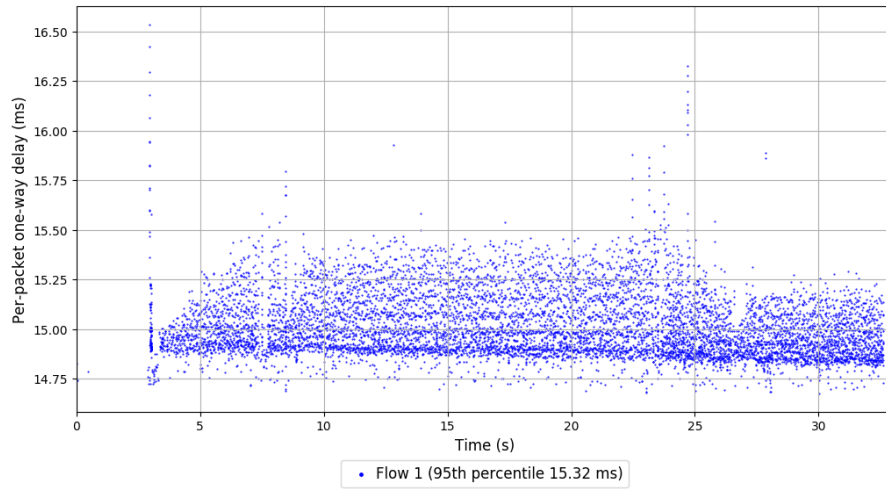
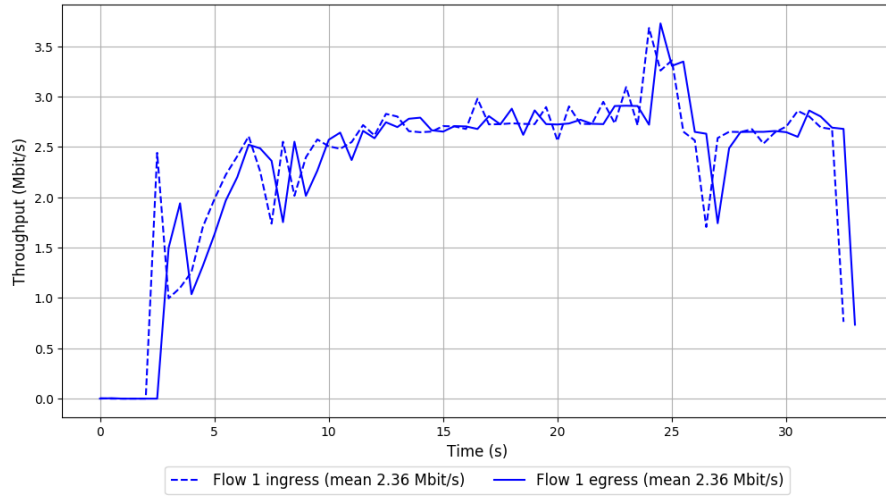
-- Flow 1:

Average throughput: 2.36 Mbit/s

95th percentile per-packet one-way delay: 15.321 ms

Loss rate: 0.08%

Run 4: Report of WebRTC media — Data Link



Run 5: Statistics of WebRTC media

Start at: 2019-05-30 07:25:11

End at: 2019-05-30 07:25:41

Local clock offset: -3.648 ms

Remote clock offset: 6.183 ms

Below is generated by plot.py at 2019-05-30 07:55:50

Datalink statistics

-- Total of 1 flow:

Average throughput: 2.38 Mbit/s

95th percentile per-packet one-way delay: 15.163 ms

Loss rate: 0.10%

-- Flow 1:

Average throughput: 2.38 Mbit/s

95th percentile per-packet one-way delay: 15.163 ms

Loss rate: 0.10%

Run 5: Report of WebRTC media — Data Link

