

Pantheon Report

Generated at 2019-06-28 08:26:54 (UTC).

Data path: India on *em1 (remote)* → AWS India 1 on *ens5 (local)*.

Repeated the test of 22 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.

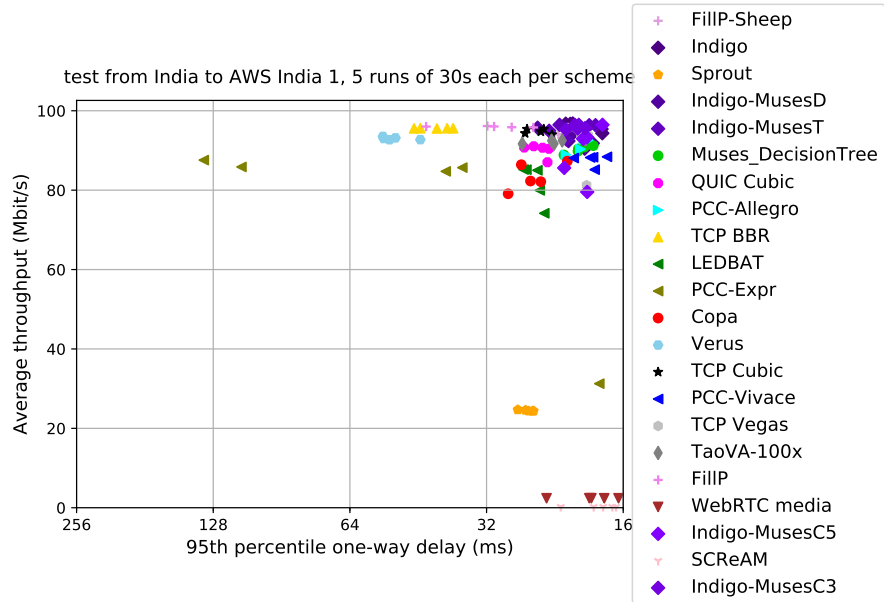
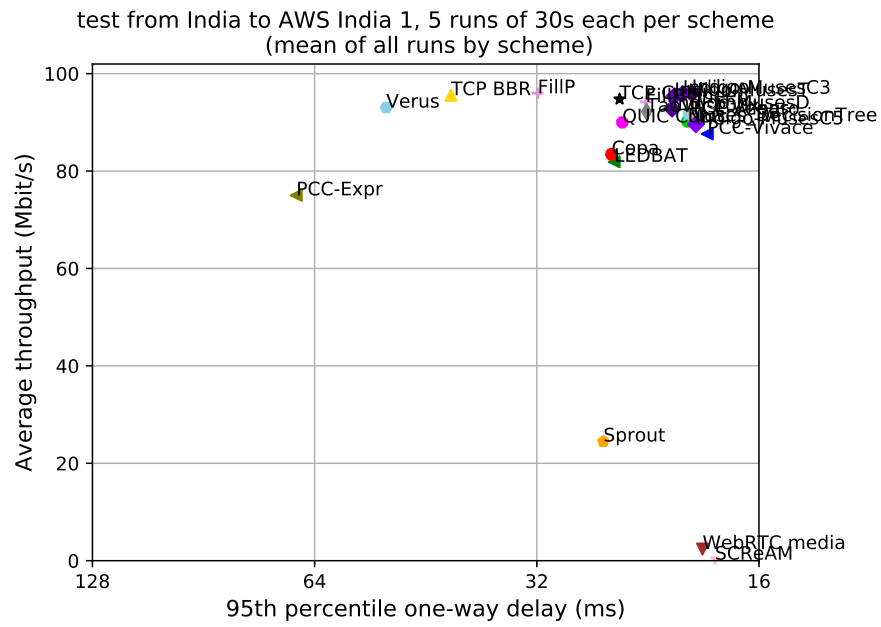
System info:

```
Linux 4.15.0-1039-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 @ c3953d08f32ec7ebbdede2d2f0cbdeed262571ef
third_party/fillp @ d6da1459332fcee56963885d7eba17e6a32d4519
third_party/fillp-sheep @ 0e5bb722943babcd2b090d2c64fcd45e12e923f9
third_party/genericCC @ d0153f8e594aa89e93b032143cedbdf5e58e562f4
third_party/indigo @ 2601c92e4aa9d58d38dc4dfe0ecd9c077e64d
third_party/libutp @ b3465b942e2826f2b179eaab4a906ce6bb7cf3cf
third_party/muses @ 5ce721187ad823da20955337730c746486ca4966
third_party/muses_dtree @ 11c9498ecb1596b02ccd896791a02d03172af7ed
M helpers/__init__.pyc
M helpers/context.pyc
M helpers/utils.pyc
third_party/pantheon-tunnel @ f866d3f58d27afd942717625ee3a354cc2e802bd
third_party/pcc @ 1afc958fa0d66d18b623c091a55fec872b4981e1
M receiver/src/buffer.h
M receiver/src/core.cpp
M sender/src/buffer.h
M sender/src/core.cpp
third_party/pcc-experimental @ cd43e34e3f5f5613e8acd08fab92c4eb24f974ab
third_party/proto-quic @ 77961f1a82733a86b42f1bc8143ebc978f3cff42
third_party/scream-reproduce @ f099118d1421aa3131bf11ff1964974e1da3bdb2
M src/ScreamClient
M src/ScreamServer
third_party/sprout @ 366e35c6178b01e31d4a46ad18c74f9415f19a26
M src/examples/cellsim.cc
M src/examples/sproutbt2.cc
M src/network/sproutconn.cc
```

```
third_party/verus @ d4b447ea74c6c60a261149af2629562939f9a494
  M src/verus.hpp
  M tools/plot.py
third_party/vivace @ 2baf86211435ae071a32f96b7d8c504587f5d7f4
third_party/webrtc @ 3f0cc2a9061a41b6f9dde4735770d143a1fa2851
```



scheme	# runs	mean avg tput (Mbit/s) flow 1	mean 95th-%ile delay (ms) flow 1	mean loss rate (%) flow 1
TCP BBR	5	95.58	41.83	1.37
Copa	5	83.45	25.33	0.06
TCP Cubic	5	94.76	24.72	0.11
FillP	5	95.97	31.91	0.12
FillP-Sheep	5	94.20	22.78	0.10
Indigo	5	95.99	19.73	0.10
Indigo-MusesC3	5	95.86	20.29	0.10
Indigo-MusesC5	5	89.58	19.48	0.10
Indigo-MusesD	5	92.79	20.98	0.10
Indigo-MusesT	5	95.38	20.83	0.11
LEDBAT	5	81.89	25.14	0.10
Muses_DecisionTree	5	90.23	19.99	0.10
PCC-Allegro	5	91.58	19.85	0.10
PCC-Expr	5	75.02	67.77	0.23
QUIC Cubic	5	89.99	24.51	0.12
SCReAM	5	0.21	18.35	0.16
Sprout	5	24.48	26.00	0.11
TaoVA-100x	5	92.20	22.72	0.10
TCP Vegas	5	91.62	19.82	0.13
Verus	5	93.03	51.19	0.31
PCC-Vivace	5	87.64	18.80	0.10
WebRTC media	5	2.40	19.08	0.10

Run 1: Statistics of TCP BBR

Start at: 2019-06-28 06:18:54

End at: 2019-06-28 06:19:24

Local clock offset: -1.048 ms

Remote clock offset: -8.208 ms

Below is generated by plot.py at 2019-06-28 08:12:11

Datalink statistics

-- Total of 1 flow:

Average throughput: 95.56 Mbit/s

95th percentile per-packet one-way delay: 46.204 ms

Loss rate: 1.65%

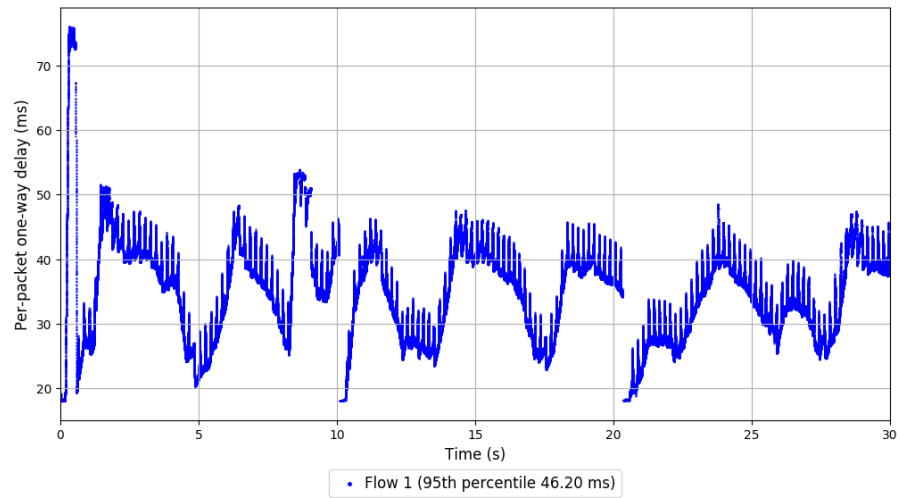
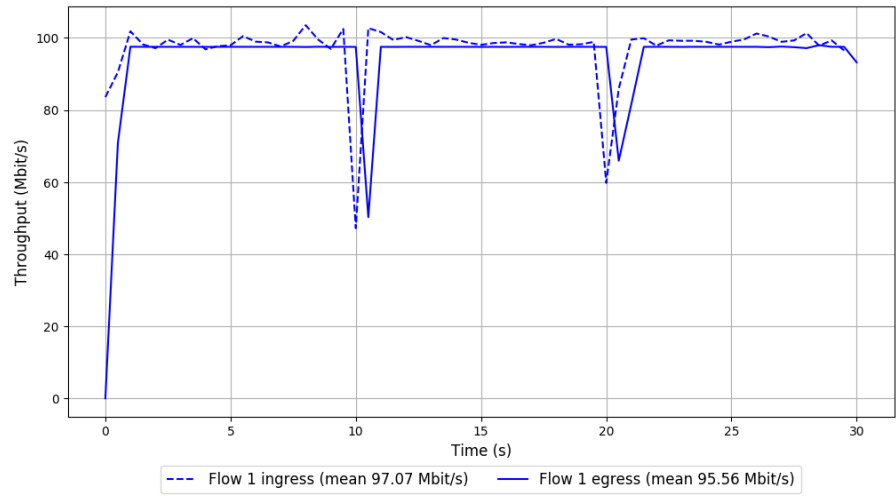
-- Flow 1:

Average throughput: 95.56 Mbit/s

95th percentile per-packet one-way delay: 46.204 ms

Loss rate: 1.65%

Run 1: Report of TCP BBR — Data Link

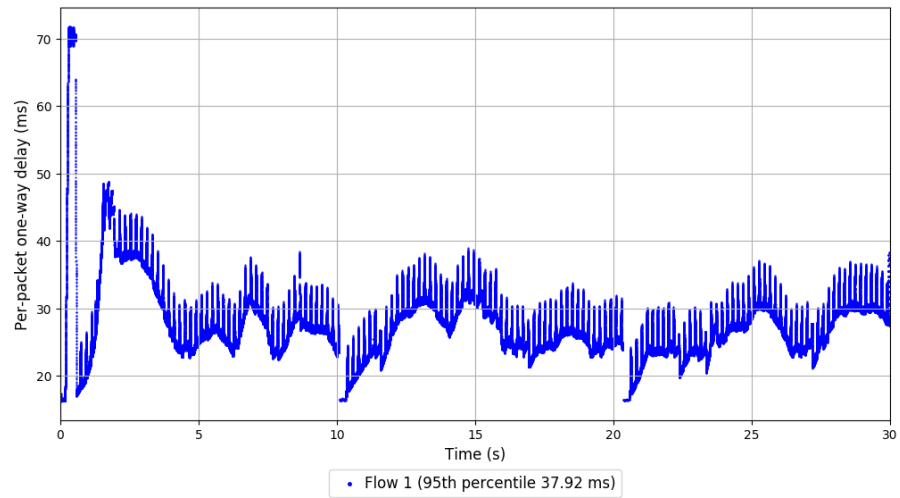
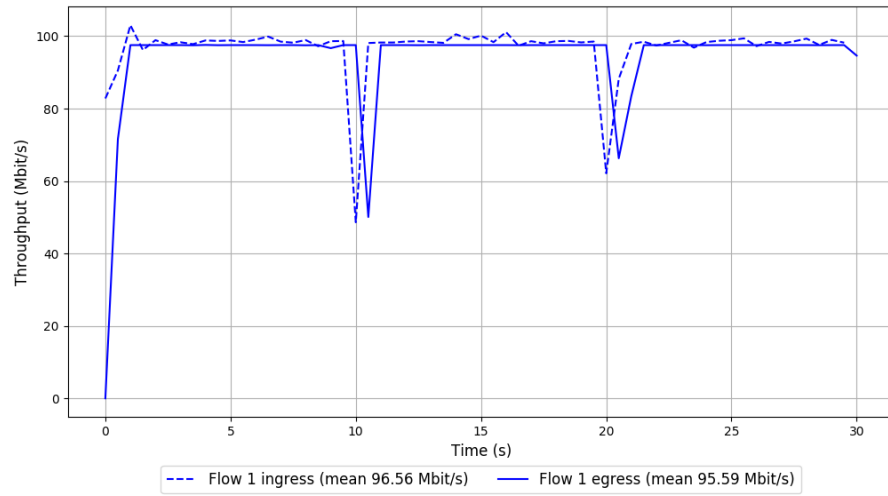


Run 2: Statistics of TCP BBR

Start at: 2019-06-28 06:45:51
End at: 2019-06-28 06:46:21
Local clock offset: -1.686 ms
Remote clock offset: -6.232 ms

Below is generated by plot.py at 2019-06-28 08:12:12
Datalink statistics
-- Total of 1 flow:
Average throughput: 95.59 Mbit/s
95th percentile per-packet one-way delay: 37.916 ms
Loss rate: 1.10%
-- Flow 1:
Average throughput: 95.59 Mbit/s
95th percentile per-packet one-way delay: 37.916 ms
Loss rate: 1.10%

Run 2: Report of TCP BBR — Data Link



Run 3: Statistics of TCP BBR

Start at: 2019-06-28 07:12:12

End at: 2019-06-28 07:12:42

Local clock offset: -0.629 ms

Remote clock offset: -4.86 ms

Below is generated by plot.py at 2019-06-28 08:12:12

Datalink statistics

-- Total of 1 flow:

Average throughput: 95.54 Mbit/s

95th percentile per-packet one-way delay: 41.161 ms

Loss rate: 1.10%

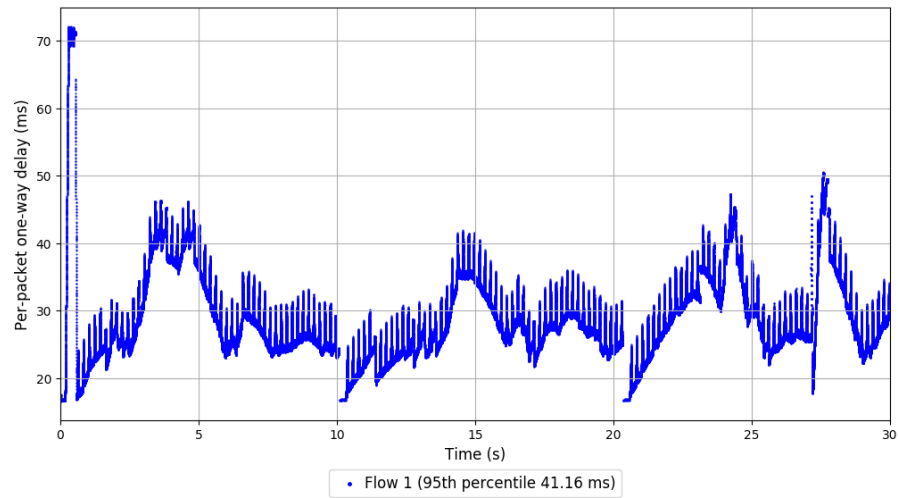
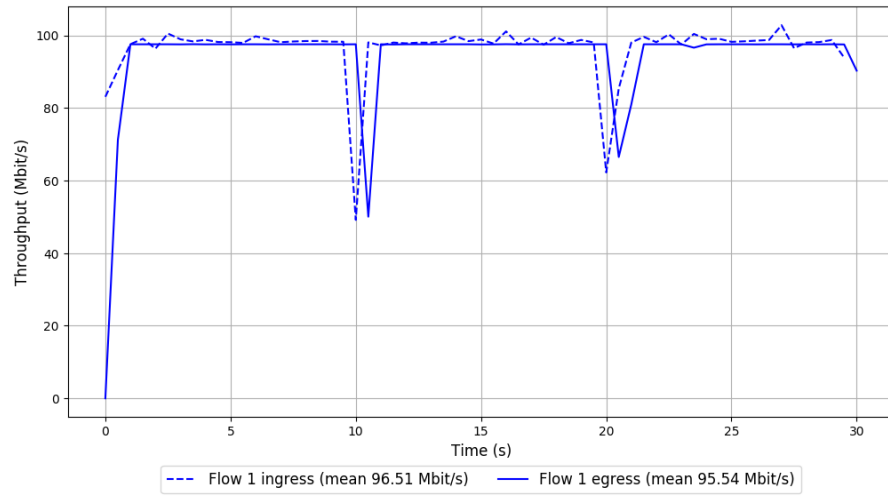
-- Flow 1:

Average throughput: 95.54 Mbit/s

95th percentile per-packet one-way delay: 41.161 ms

Loss rate: 1.10%

Run 3: Report of TCP BBR — Data Link

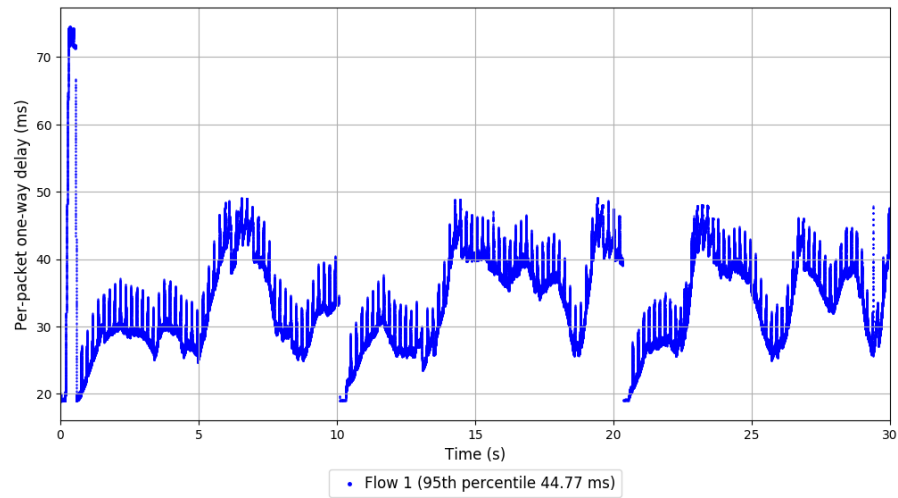
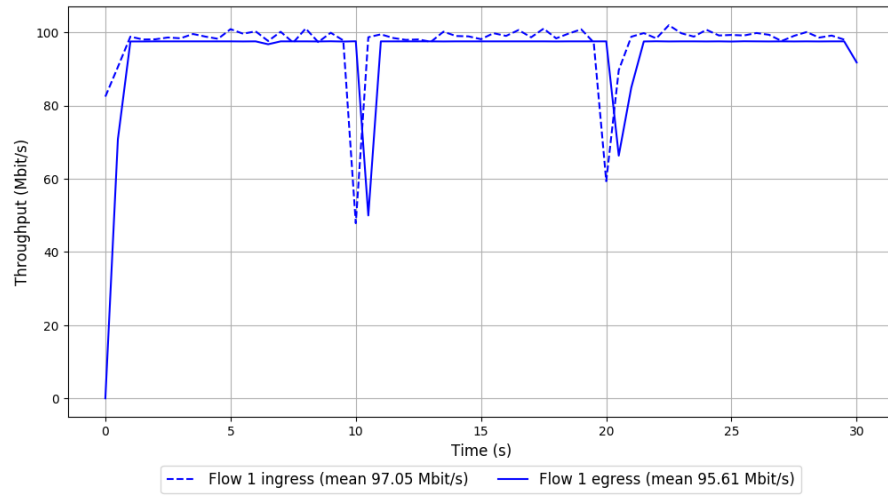


Run 4: Statistics of TCP BBR

Start at: 2019-06-28 07:38:12
End at: 2019-06-28 07:38:42
Local clock offset: -0.401 ms
Remote clock offset: -5.515 ms

Below is generated by plot.py at 2019-06-28 08:12:12
Datalink statistics
-- Total of 1 flow:
Average throughput: 95.61 Mbit/s
95th percentile per-packet one-way delay: 44.767 ms
Loss rate: 1.58%
-- Flow 1:
Average throughput: 95.61 Mbit/s
95th percentile per-packet one-way delay: 44.767 ms
Loss rate: 1.58%

Run 4: Report of TCP BBR — Data Link

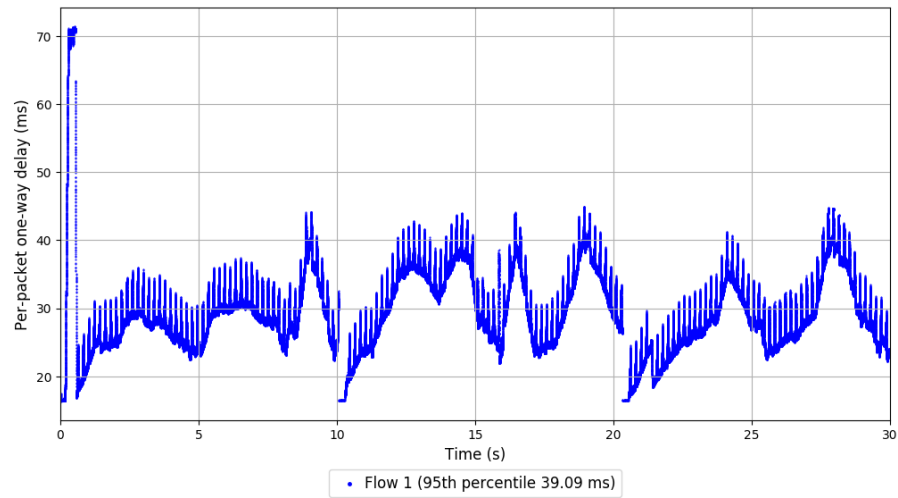
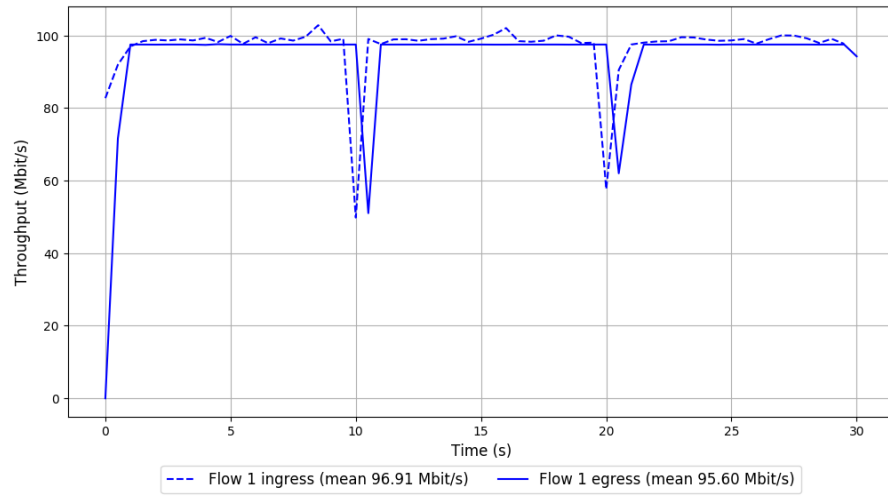


Run 5: Statistics of TCP BBR

Start at: 2019-06-28 08:03:42
End at: 2019-06-28 08:04:12
Local clock offset: -1.299 ms
Remote clock offset: -3.773 ms

Below is generated by plot.py at 2019-06-28 08:12:12
Datalink statistics
-- Total of 1 flow:
Average throughput: 95.60 Mbit/s
95th percentile per-packet one-way delay: 39.085 ms
Loss rate: 1.44%
-- Flow 1:
Average throughput: 95.60 Mbit/s
95th percentile per-packet one-way delay: 39.085 ms
Loss rate: 1.44%

Run 5: Report of TCP BBR — Data Link

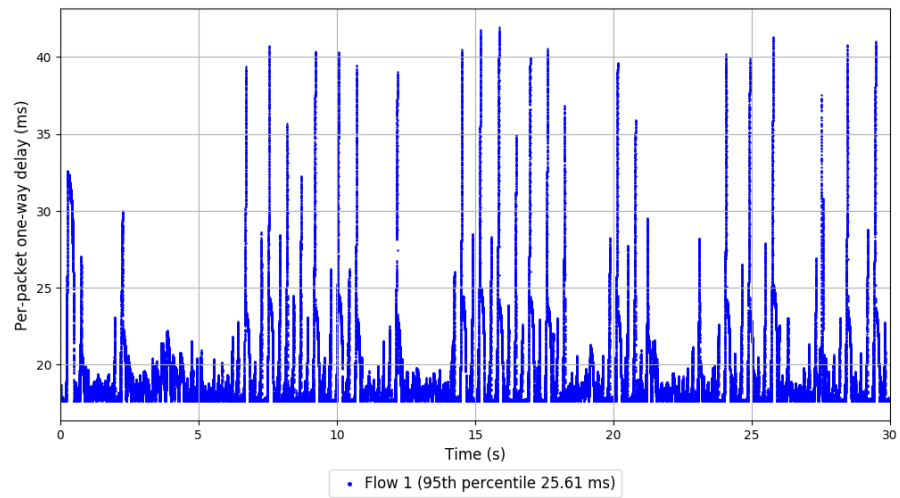
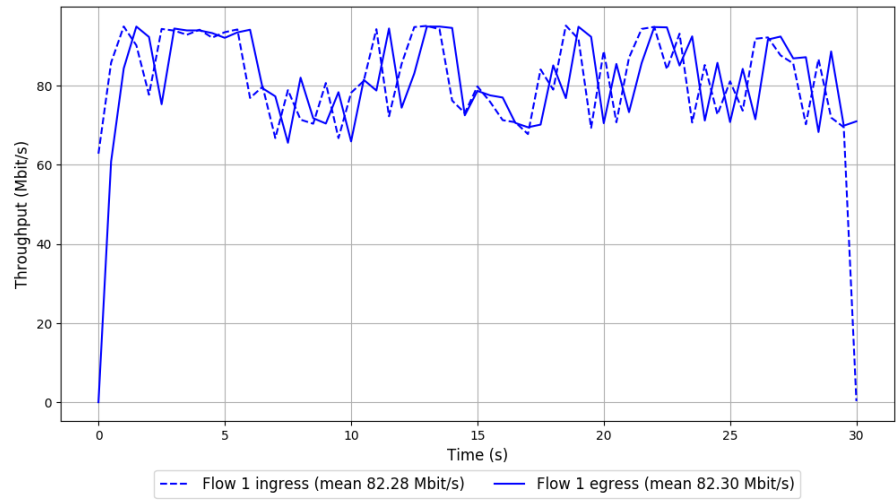


Run 1: Statistics of Copa

Start at: 2019-06-28 06:16:24
End at: 2019-06-28 06:16:54
Local clock offset: -0.624 ms
Remote clock offset: -8.516 ms

Below is generated by plot.py at 2019-06-28 08:12:56
Datalink statistics
-- Total of 1 flow:
Average throughput: 82.30 Mbit/s
95th percentile per-packet one-way delay: 25.609 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 82.30 Mbit/s
95th percentile per-packet one-way delay: 25.609 ms
Loss rate: 0.07%

Run 1: Report of Copa — Data Link

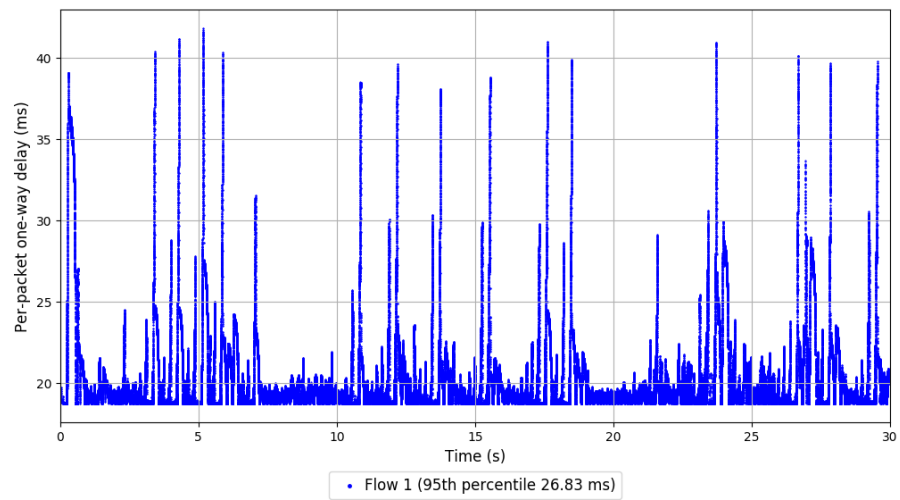
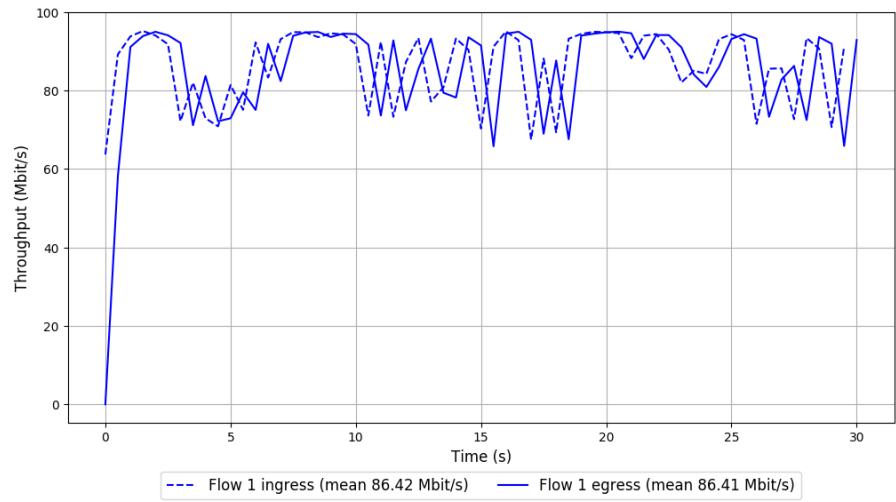


Run 2: Statistics of Copa

Start at: 2019-06-28 06:43:26
End at: 2019-06-28 06:43:56
Local clock offset: -0.743 ms
Remote clock offset: -7.779 ms

Below is generated by plot.py at 2019-06-28 08:13:08
Datalink statistics
-- Total of 1 flow:
Average throughput: 86.41 Mbit/s
95th percentile per-packet one-way delay: 26.830 ms
Loss rate: 0.11%
-- Flow 1:
Average throughput: 86.41 Mbit/s
95th percentile per-packet one-way delay: 26.830 ms
Loss rate: 0.11%

Run 2: Report of Copa — Data Link

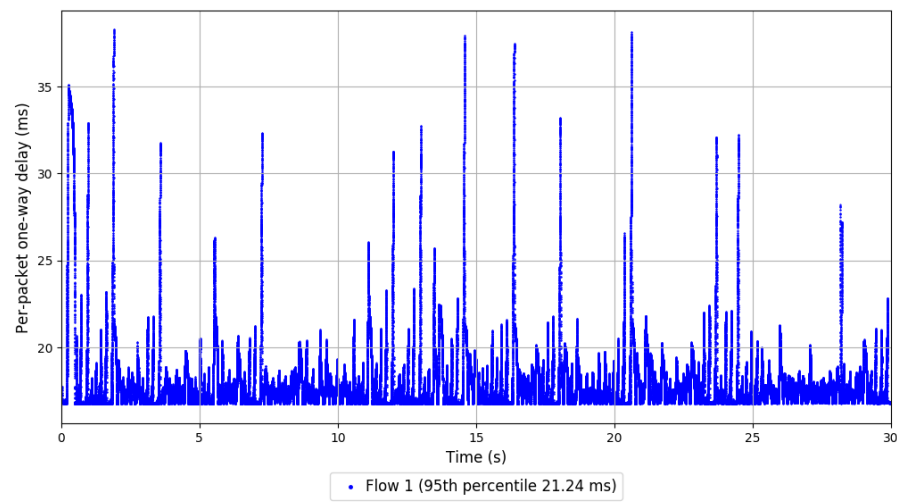
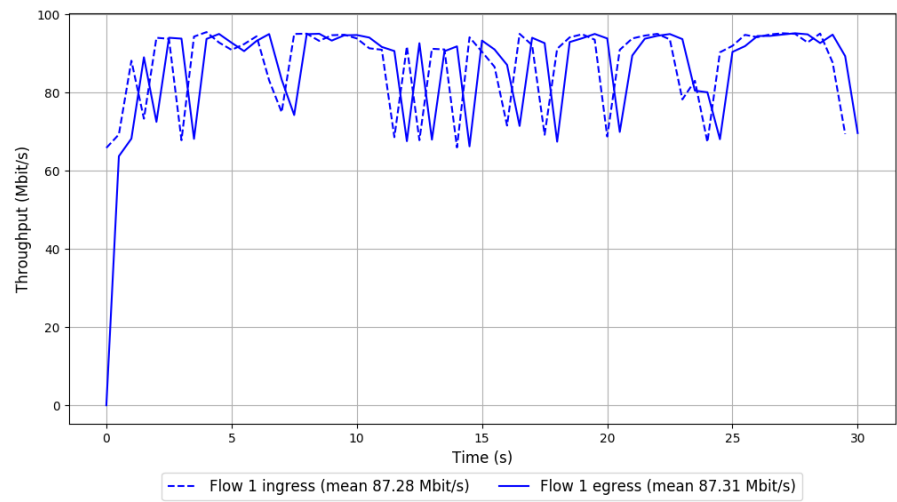


Run 3: Statistics of Copa

Start at: 2019-06-28 07:09:48
End at: 2019-06-28 07:10:18
Local clock offset: -2.391 ms
Remote clock offset: -6.842 ms

Below is generated by plot.py at 2019-06-28 08:13:09
Datalink statistics
-- Total of 1 flow:
Average throughput: 87.31 Mbit/s
95th percentile per-packet one-way delay: 21.242 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 87.31 Mbit/s
95th percentile per-packet one-way delay: 21.242 ms
Loss rate: 0.04%

Run 3: Report of Copa — Data Link

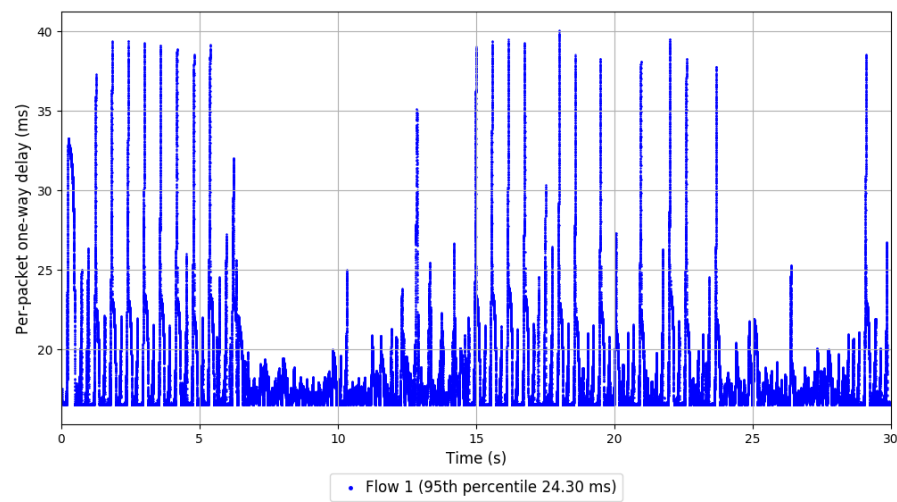
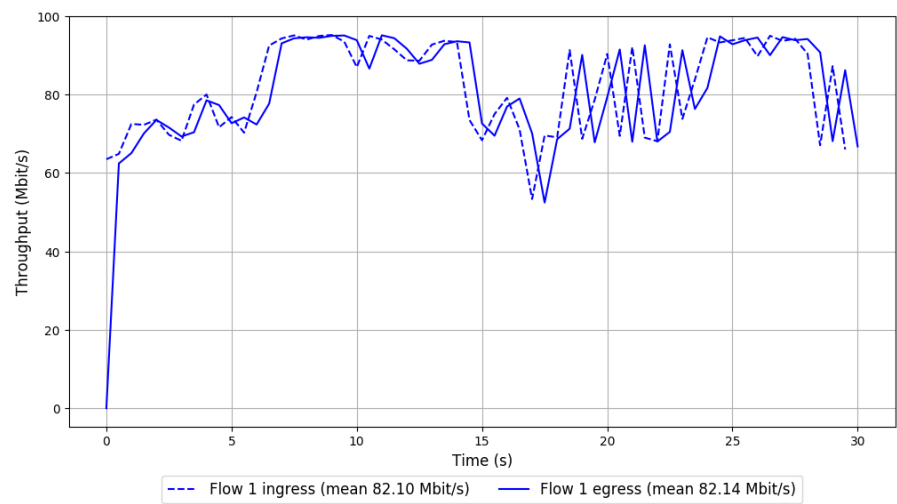


Run 4: Statistics of Copa

Start at: 2019-06-28 07:35:45
End at: 2019-06-28 07:36:15
Local clock offset: -1.187 ms
Remote clock offset: -3.973 ms

Below is generated by plot.py at 2019-06-28 08:14:05
Datalink statistics
-- Total of 1 flow:
Average throughput: 82.14 Mbit/s
95th percentile per-packet one-way delay: 24.304 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 82.14 Mbit/s
95th percentile per-packet one-way delay: 24.304 ms
Loss rate: 0.04%

Run 4: Report of Copa — Data Link

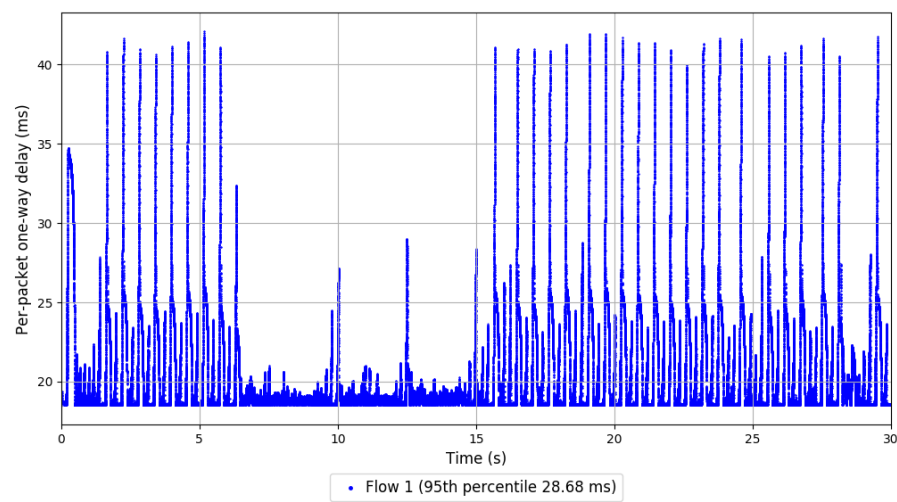
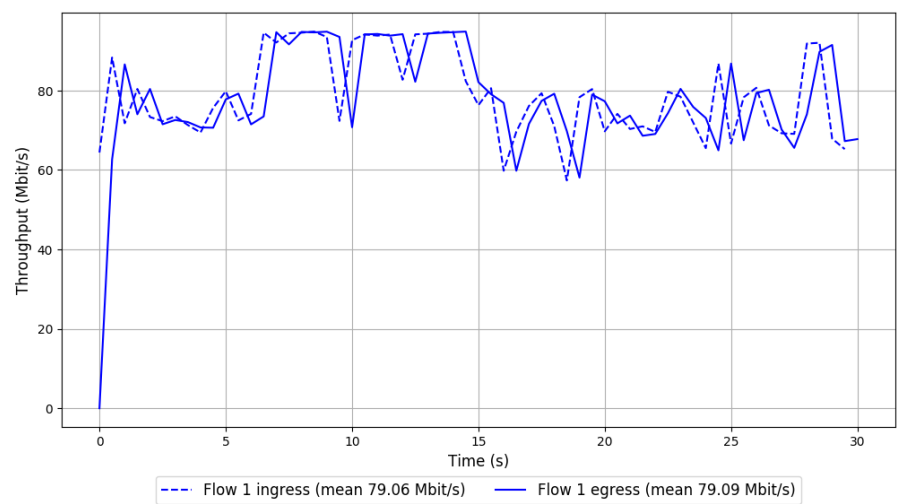


Run 5: Statistics of Copa

Start at: 2019-06-28 08:01:21
End at: 2019-06-28 08:01:51
Local clock offset: -0.858 ms
Remote clock offset: -5.316 ms

Below is generated by plot.py at 2019-06-28 08:14:05
Datalink statistics
-- Total of 1 flow:
Average throughput: 79.09 Mbit/s
95th percentile per-packet one-way delay: 28.681 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 79.09 Mbit/s
95th percentile per-packet one-way delay: 28.681 ms
Loss rate: 0.05%

Run 5: Report of Copa — Data Link

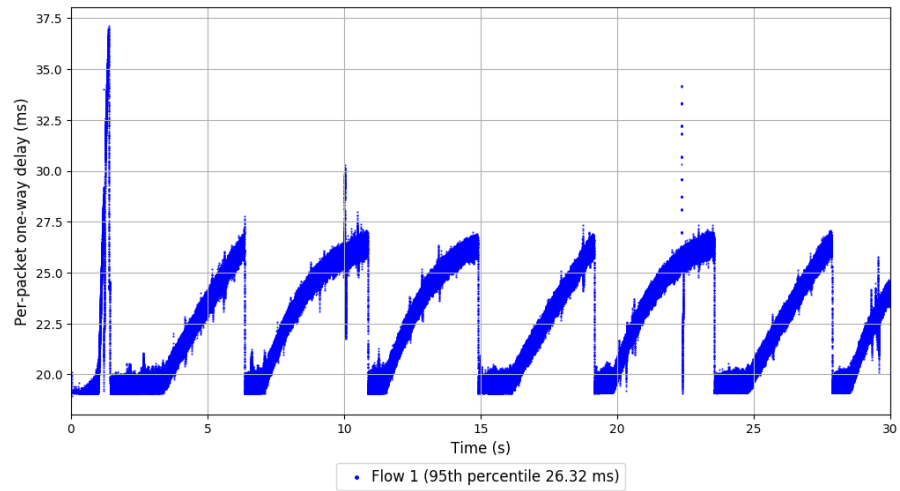
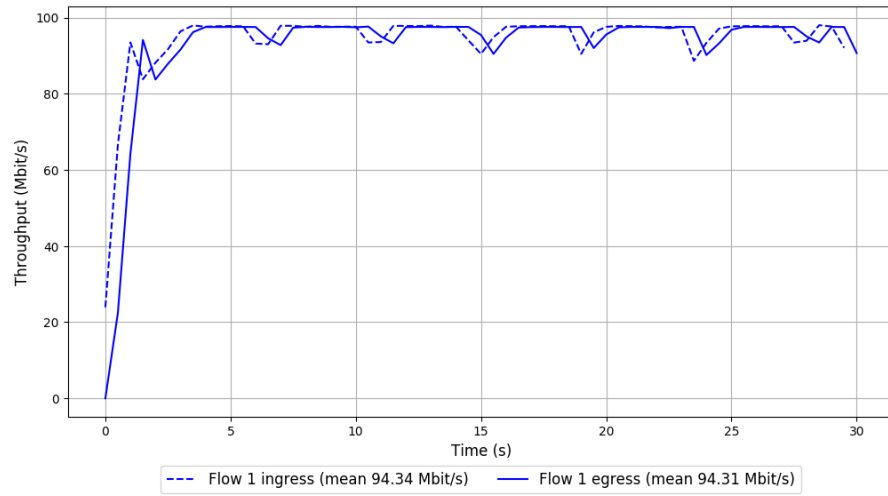


Run 1: Statistics of TCP Cubic

Start at: 2019-06-28 06:22:35
End at: 2019-06-28 06:23:05
Local clock offset: 0.012 ms
Remote clock offset: -7.948 ms

Below is generated by plot.py at 2019-06-28 08:14:05
Datalink statistics
-- Total of 1 flow:
Average throughput: 94.31 Mbit/s
95th percentile per-packet one-way delay: 26.321 ms
Loss rate: 0.11%
-- Flow 1:
Average throughput: 94.31 Mbit/s
95th percentile per-packet one-way delay: 26.321 ms
Loss rate: 0.11%

Run 1: Report of TCP Cubic — Data Link

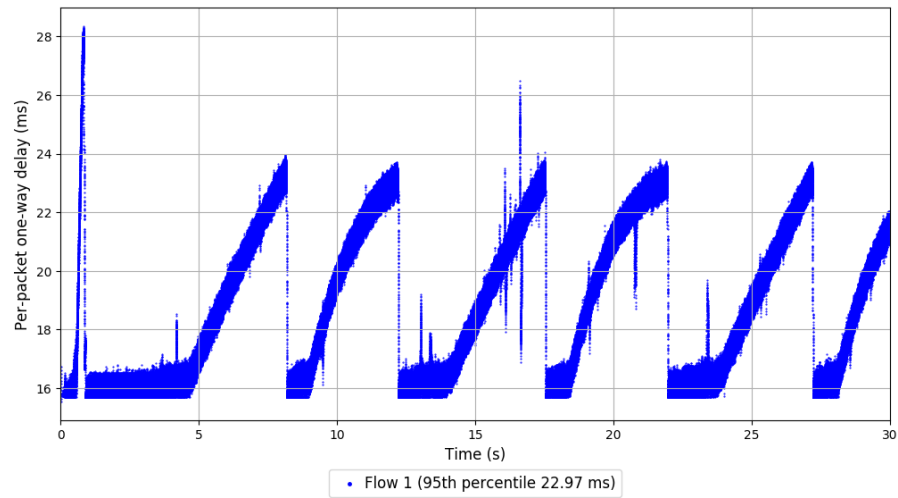
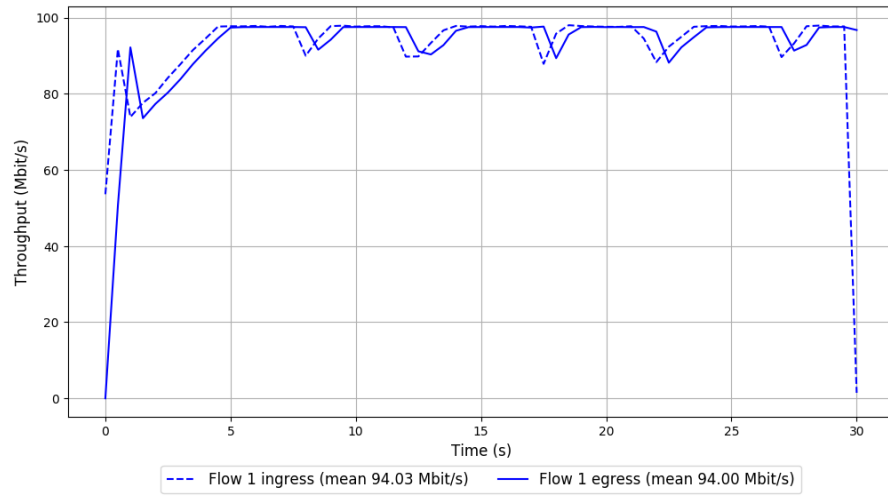


Run 2: Statistics of TCP Cubic

Start at: 2019-06-28 06:49:24
End at: 2019-06-28 06:49:54
Local clock offset: -1.667 ms
Remote clock offset: -5.562 ms

Below is generated by plot.py at 2019-06-28 08:14:05
Datalink statistics
-- Total of 1 flow:
Average throughput: 94.00 Mbit/s
95th percentile per-packet one-way delay: 22.972 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 94.00 Mbit/s
95th percentile per-packet one-way delay: 22.972 ms
Loss rate: 0.13%

Run 2: Report of TCP Cubic — Data Link



Run 3: Statistics of TCP Cubic

Start at: 2019-06-28 07:15:43

End at: 2019-06-28 07:16:13

Local clock offset: -0.524 ms

Remote clock offset: -6.75 ms

Below is generated by plot.py at 2019-06-28 08:14:05

Datalink statistics

-- Total of 1 flow:

Average throughput: 95.39 Mbit/s

95th percentile per-packet one-way delay: 26.058 ms

Loss rate: 0.11%

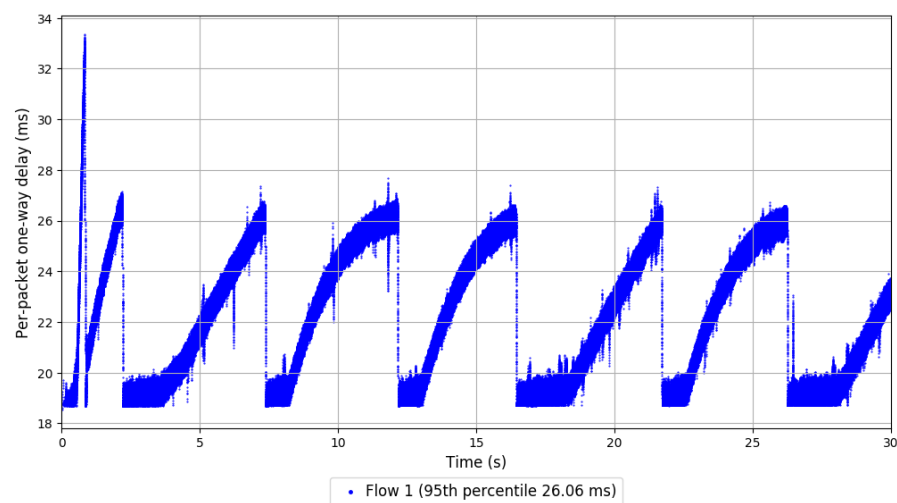
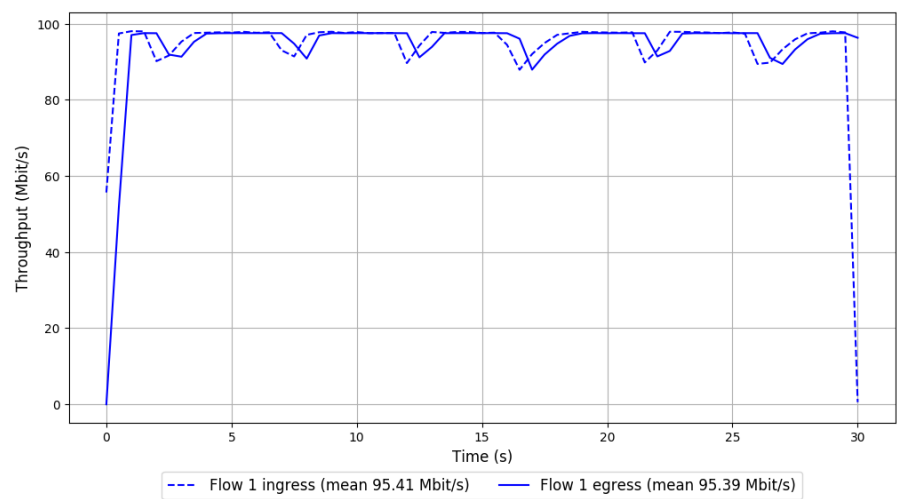
-- Flow 1:

Average throughput: 95.39 Mbit/s

95th percentile per-packet one-way delay: 26.058 ms

Loss rate: 0.11%

Run 3: Report of TCP Cubic — Data Link

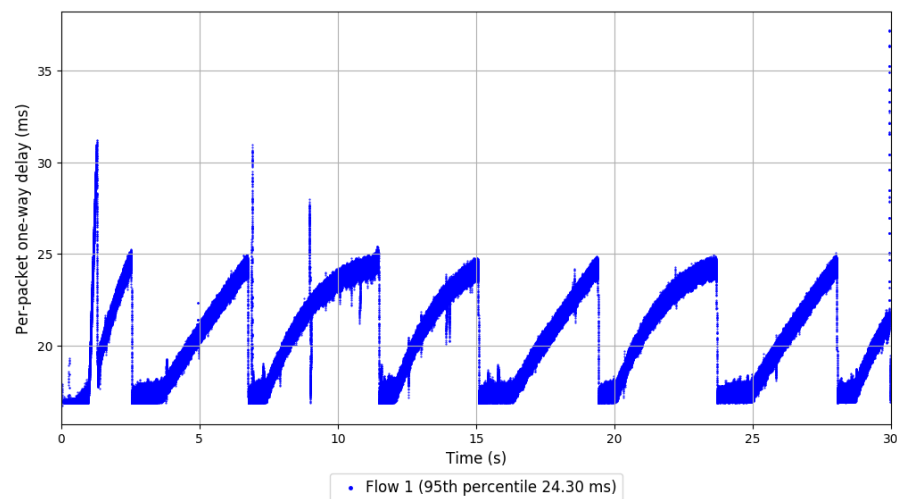
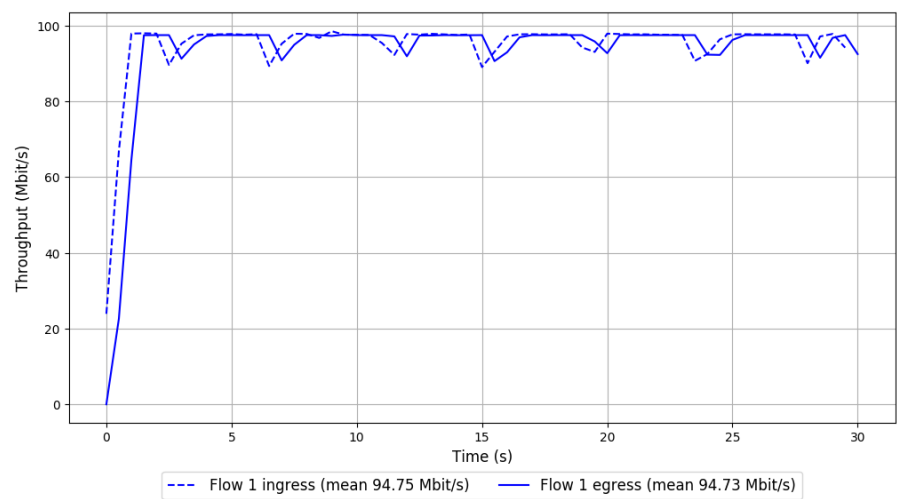


Run 4: Statistics of TCP Cubic

Start at: 2019-06-28 07:41:42
End at: 2019-06-28 07:42:12
Local clock offset: -1.611 ms
Remote clock offset: -4.514 ms

Below is generated by plot.py at 2019-06-28 08:14:06
Datalink statistics
-- Total of 1 flow:
Average throughput: 94.73 Mbit/s
95th percentile per-packet one-way delay: 24.296 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 94.73 Mbit/s
95th percentile per-packet one-way delay: 24.296 ms
Loss rate: 0.10%

Run 4: Report of TCP Cubic — Data Link

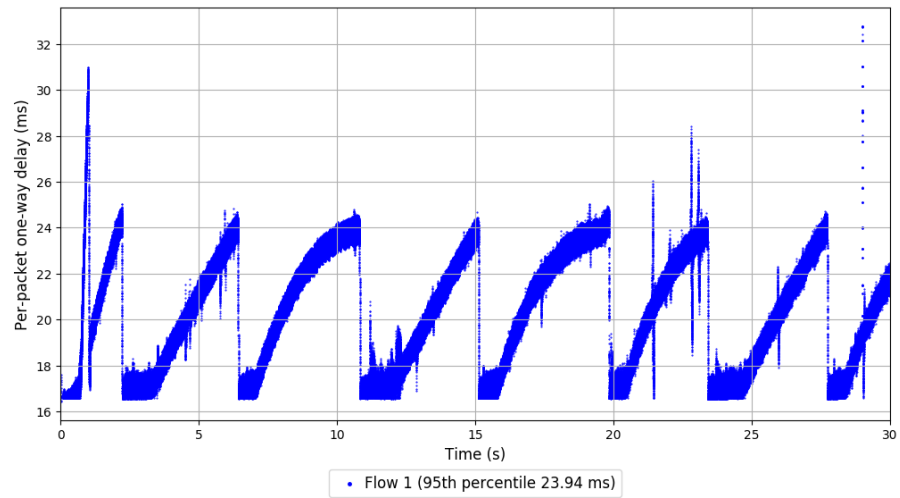
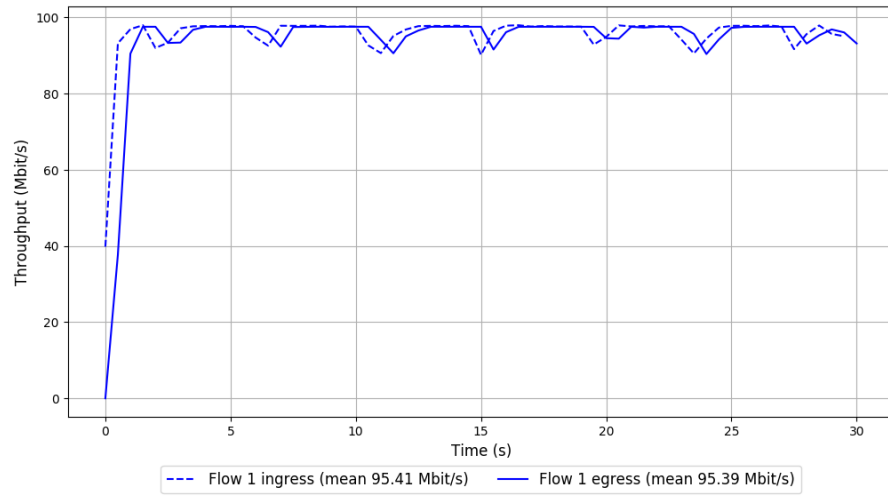


Run 5: Statistics of TCP Cubic

Start at: 2019-06-28 08:07:13
End at: 2019-06-28 08:07:43
Local clock offset: -1.33 ms
Remote clock offset: -3.821 ms

Below is generated by plot.py at 2019-06-28 08:14:14
Datalink statistics
-- Total of 1 flow:
Average throughput: 95.39 Mbit/s
95th percentile per-packet one-way delay: 23.940 ms
Loss rate: 0.11%
-- Flow 1:
Average throughput: 95.39 Mbit/s
95th percentile per-packet one-way delay: 23.940 ms
Loss rate: 0.11%

Run 5: Report of TCP Cubic — Data Link

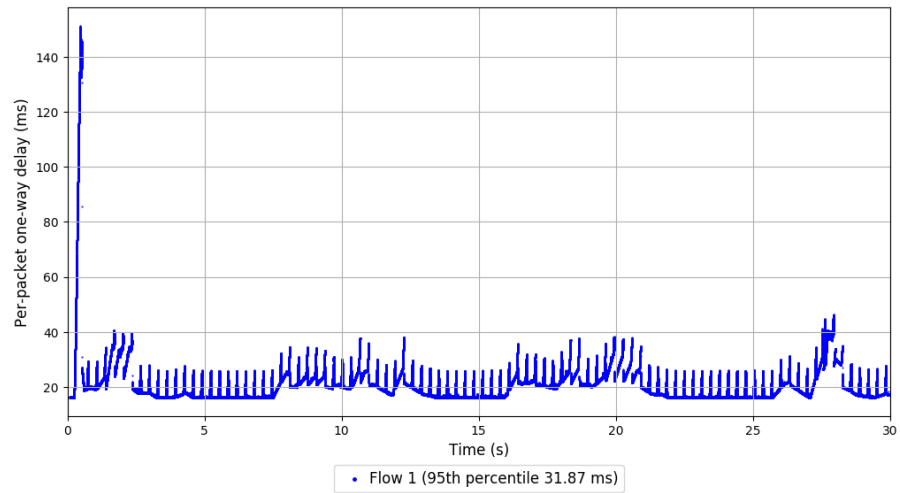
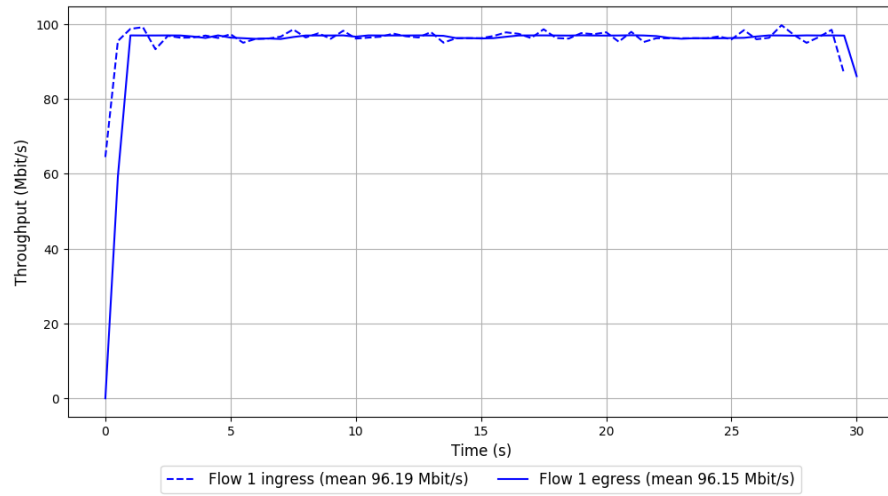


Run 1: Statistics of FillP

Start at: 2019-06-28 05:59:36
End at: 2019-06-28 06:00:06
Local clock offset: -0.382 ms
Remote clock offset: -6.526 ms

Below is generated by plot.py at 2019-06-28 08:14:37
Datalink statistics
-- Total of 1 flow:
Average throughput: 96.15 Mbit/s
95th percentile per-packet one-way delay: 31.873 ms
Loss rate: 0.12%
-- Flow 1:
Average throughput: 96.15 Mbit/s
95th percentile per-packet one-way delay: 31.873 ms
Loss rate: 0.12%

Run 1: Report of FillP — Data Link

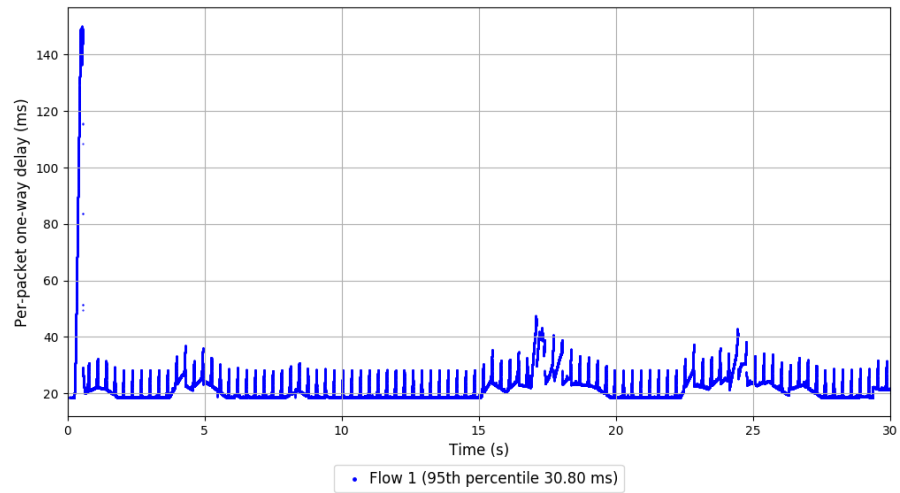
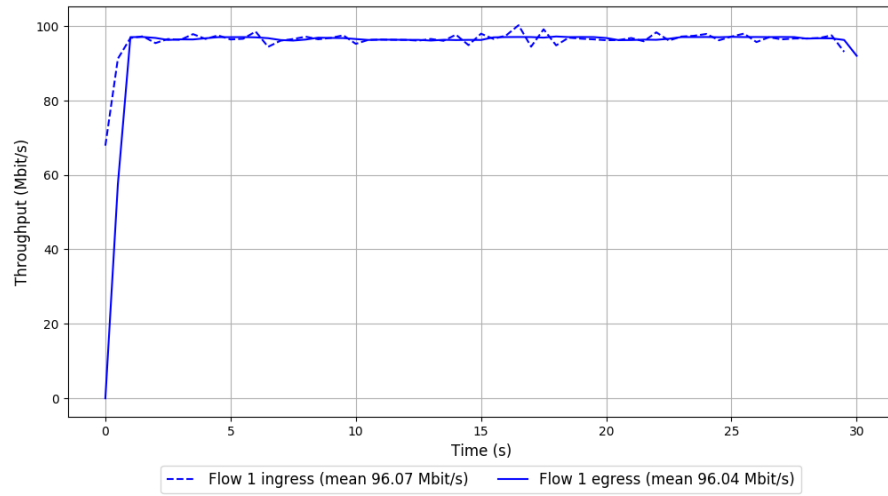


Run 2: Statistics of FillP

Start at: 2019-06-28 06:26:02
End at: 2019-06-28 06:26:32
Local clock offset: -0.852 ms
Remote clock offset: -8.324 ms

Below is generated by plot.py at 2019-06-28 08:14:46
Datalink statistics
-- Total of 1 flow:
Average throughput: 96.04 Mbit/s
95th percentile per-packet one-way delay: 30.803 ms
Loss rate: 0.12%
-- Flow 1:
Average throughput: 96.04 Mbit/s
95th percentile per-packet one-way delay: 30.803 ms
Loss rate: 0.12%

Run 2: Report of FillP — Data Link

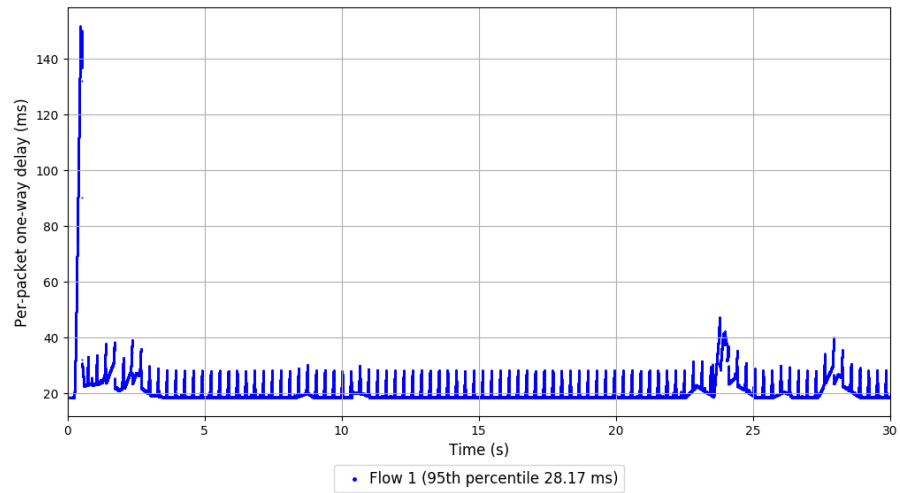
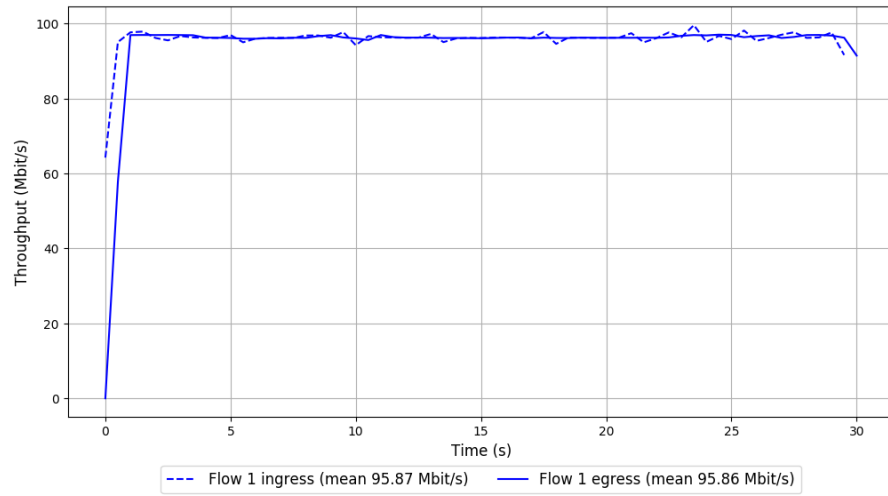


Run 3: Statistics of FillP

Start at: 2019-06-28 06:52:47
End at: 2019-06-28 06:53:17
Local clock offset: -1.502 ms
Remote clock offset: -8.196 ms

Below is generated by plot.py at 2019-06-28 08:14:46
Datalink statistics
-- Total of 1 flow:
Average throughput: 95.86 Mbit/s
95th percentile per-packet one-way delay: 28.167 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 95.86 Mbit/s
95th percentile per-packet one-way delay: 28.167 ms
Loss rate: 0.10%

Run 3: Report of FillP — Data Link

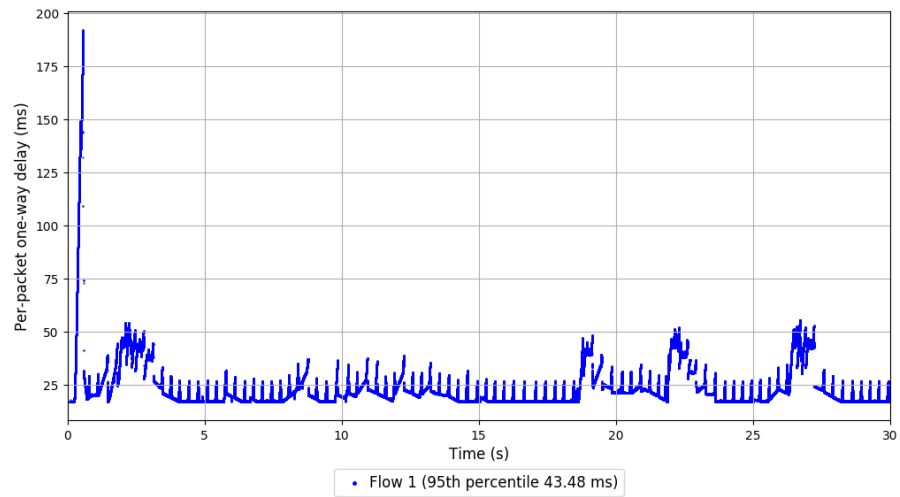
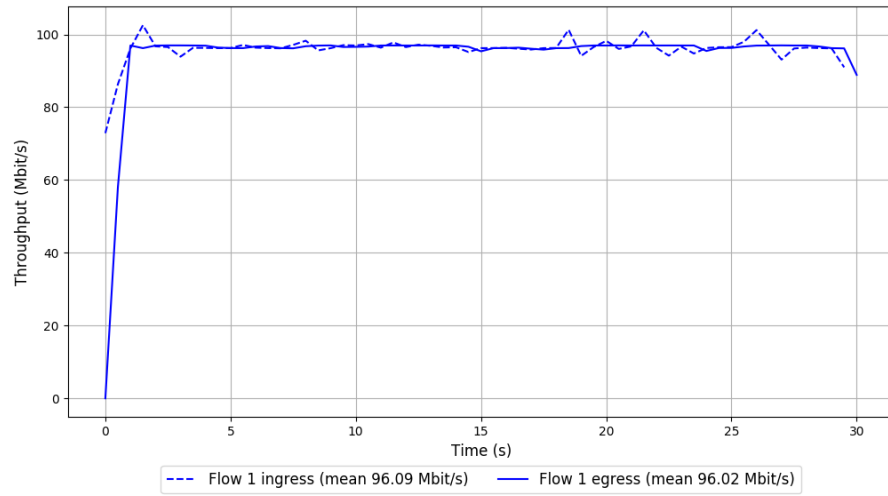


Run 4: Statistics of FillP

Start at: 2019-06-28 07:19:13
End at: 2019-06-28 07:19:43
Local clock offset: -0.33 ms
Remote clock offset: -4.719 ms

Below is generated by plot.py at 2019-06-28 08:14:48
Datalink statistics
-- Total of 1 flow:
Average throughput: 96.02 Mbit/s
95th percentile per-packet one-way delay: 43.484 ms
Loss rate: 0.16%
-- Flow 1:
Average throughput: 96.02 Mbit/s
95th percentile per-packet one-way delay: 43.484 ms
Loss rate: 0.16%

Run 4: Report of FillP — Data Link

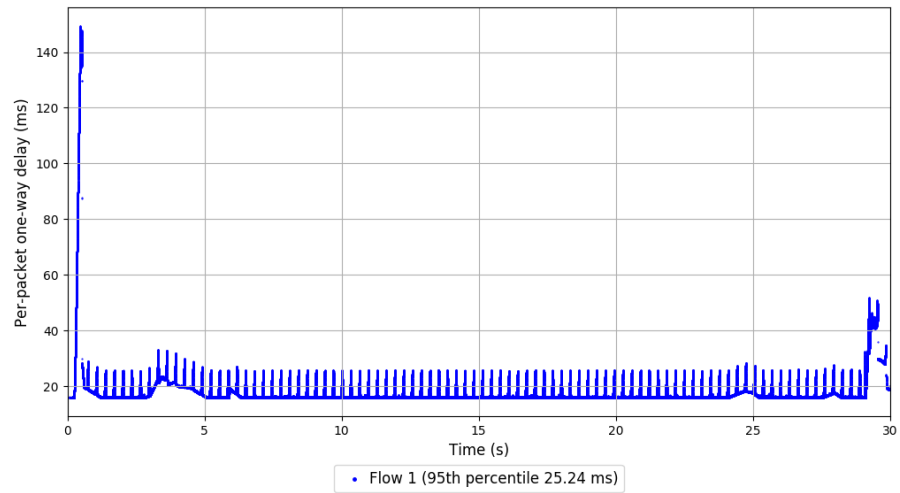
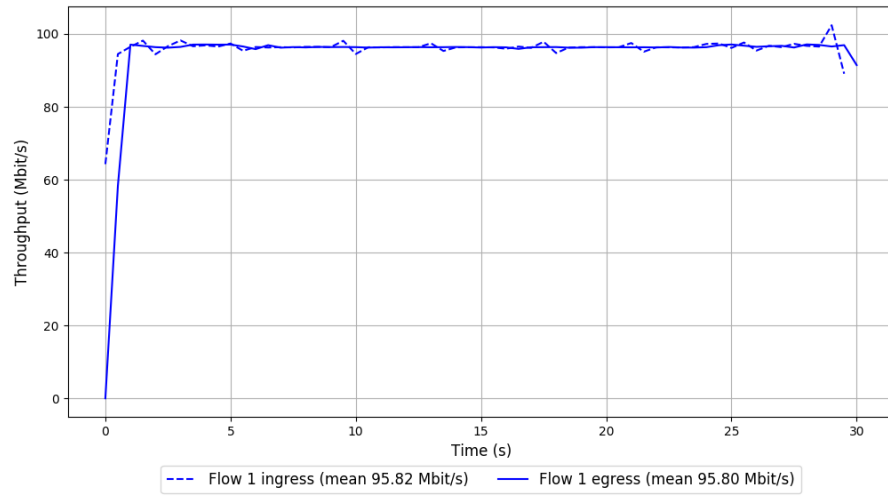


Run 5: Statistics of FillP

Start at: 2019-06-28 07:45:07
End at: 2019-06-28 07:45:37
Local clock offset: -1.535 ms
Remote clock offset: -3.377 ms

Below is generated by plot.py at 2019-06-28 08:15:28
Datalink statistics
-- Total of 1 flow:
Average throughput: 95.80 Mbit/s
95th percentile per-packet one-way delay: 25.237 ms
Loss rate: 0.11%
-- Flow 1:
Average throughput: 95.80 Mbit/s
95th percentile per-packet one-way delay: 25.237 ms
Loss rate: 0.11%

Run 5: Report of FillP — Data Link

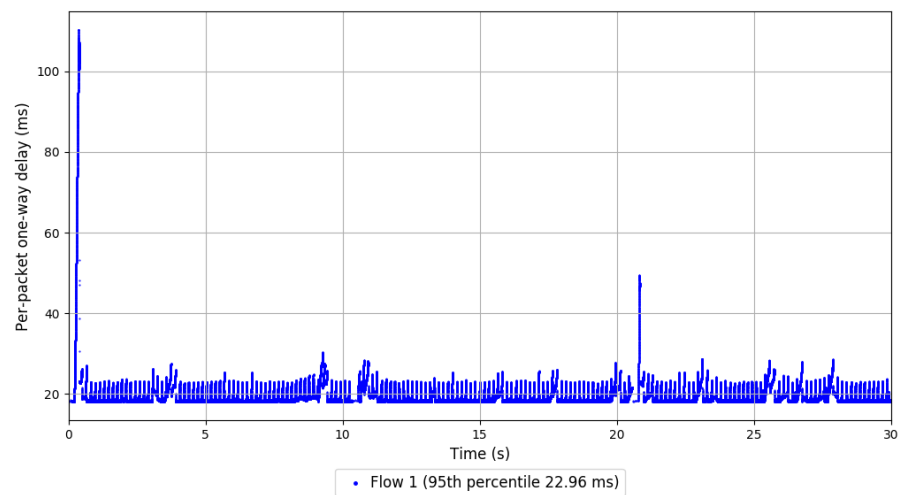
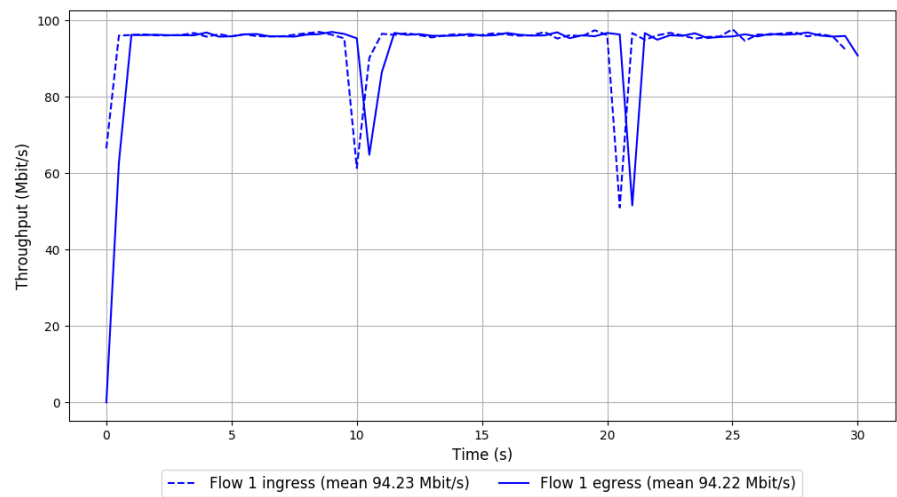


Run 1: Statistics of FillP-Sheep

Start at: 2019-06-28 06:20:11
End at: 2019-06-28 06:20:41
Local clock offset: -0.248 ms
Remote clock offset: -7.343 ms

Below is generated by plot.py at 2019-06-28 08:15:29
Datalink statistics
-- Total of 1 flow:
Average throughput: 94.22 Mbit/s
95th percentile per-packet one-way delay: 22.961 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 94.22 Mbit/s
95th percentile per-packet one-way delay: 22.961 ms
Loss rate: 0.10%

Run 1: Report of FillP-Sheep — Data Link

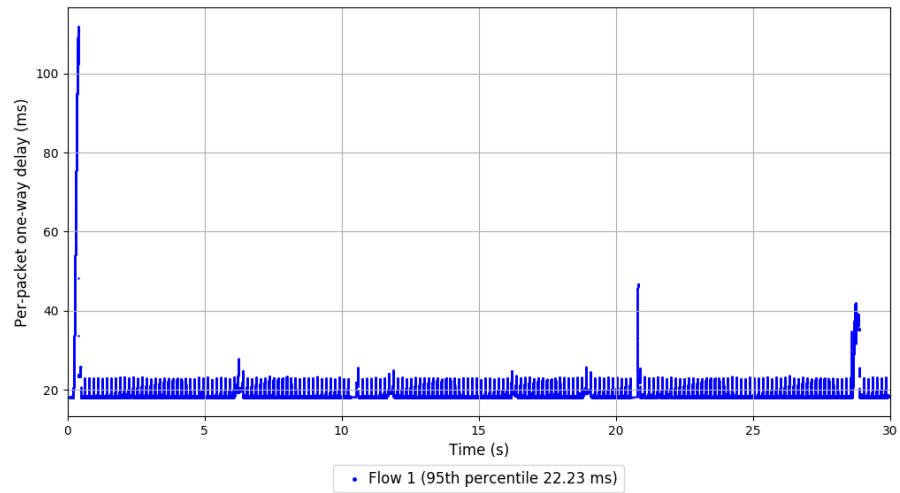
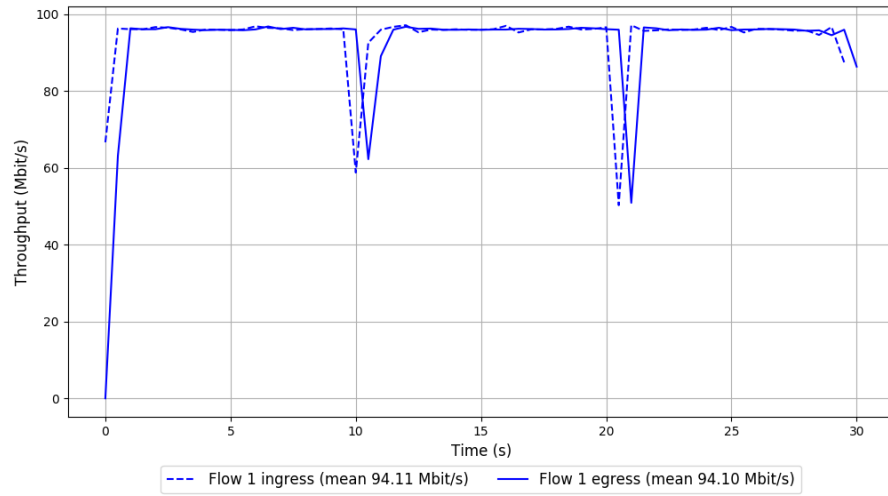


Run 2: Statistics of FillP-Sheep

Start at: 2019-06-28 06:47:04
End at: 2019-06-28 06:47:34
Local clock offset: -0.443 ms
Remote clock offset: -6.809 ms

Below is generated by plot.py at 2019-06-28 08:15:31
Datalink statistics
-- Total of 1 flow:
Average throughput: 94.10 Mbit/s
95th percentile per-packet one-way delay: 22.228 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 94.10 Mbit/s
95th percentile per-packet one-way delay: 22.228 ms
Loss rate: 0.10%

Run 2: Report of FillP-Sheep — Data Link



Run 3: Statistics of FillP-Sheep

Start at: 2019-06-28 07:13:24

End at: 2019-06-28 07:13:54

Local clock offset: 0.119 ms

Remote clock offset: -5.779 ms

Below is generated by plot.py at 2019-06-28 08:15:41

Datalink statistics

-- Total of 1 flow:

Average throughput: 94.17 Mbit/s

95th percentile per-packet one-way delay: 23.273 ms

Loss rate: 0.10%

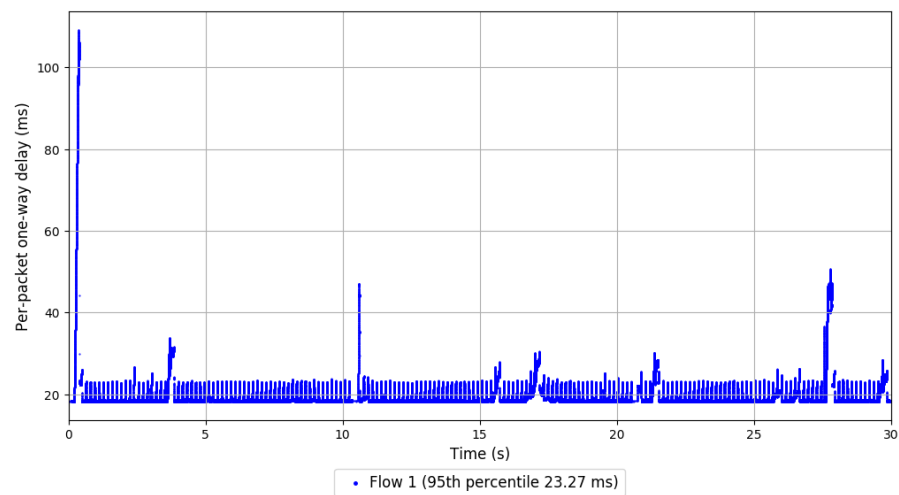
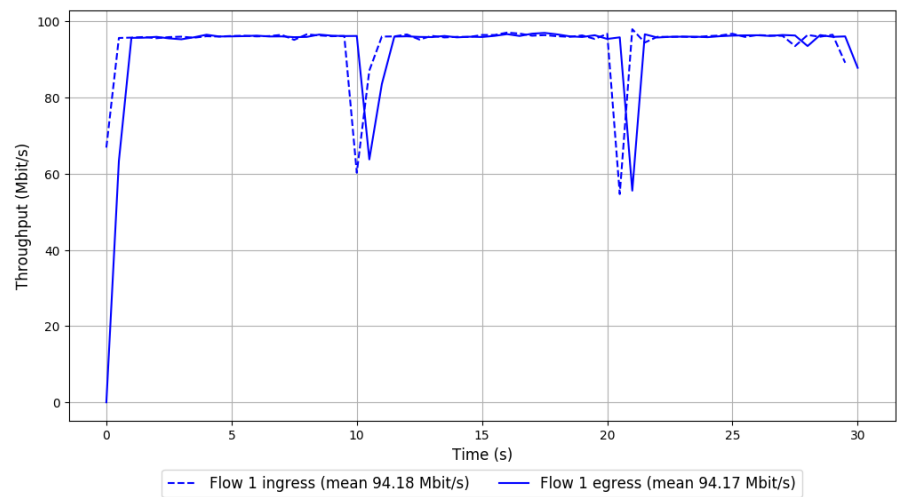
-- Flow 1:

Average throughput: 94.17 Mbit/s

95th percentile per-packet one-way delay: 23.273 ms

Loss rate: 0.10%

Run 3: Report of FillP-Sheep — Data Link

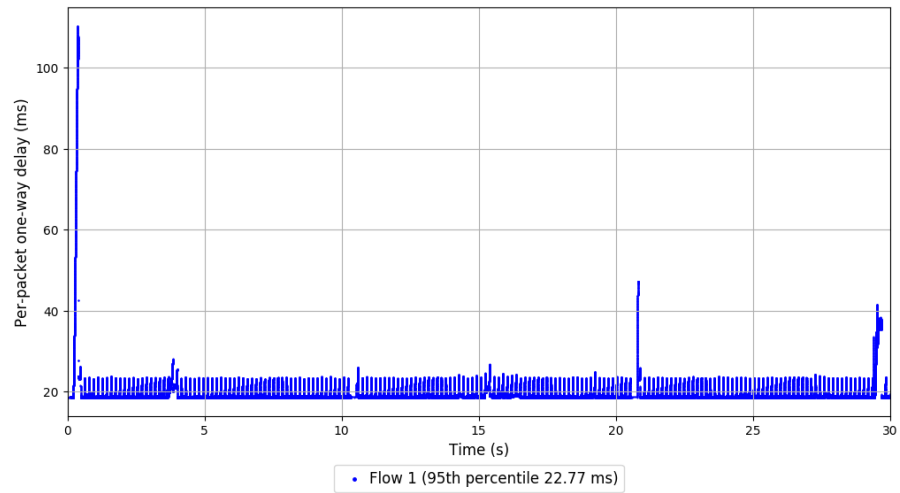
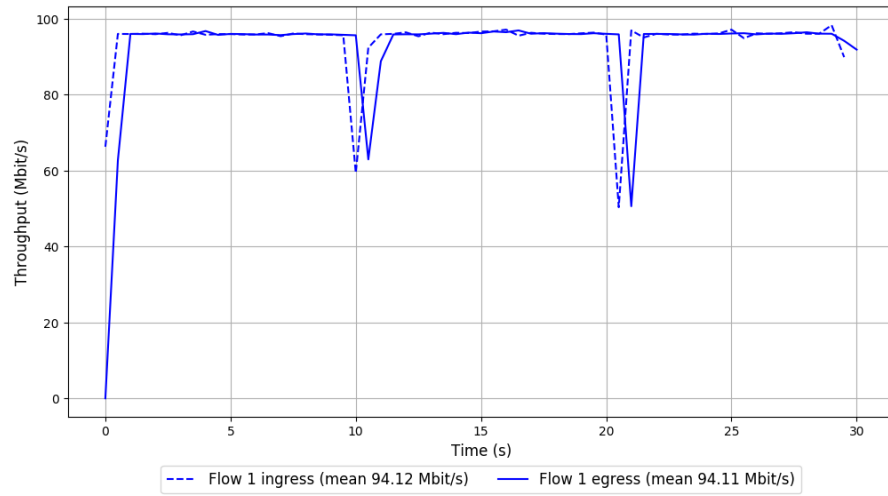


Run 4: Statistics of FillP-Sheep

Start at: 2019-06-28 07:39:23
End at: 2019-06-28 07:39:53
Local clock offset: -1.452 ms
Remote clock offset: -6.191 ms

Below is generated by plot.py at 2019-06-28 08:16:01
Datalink statistics
-- Total of 1 flow:
Average throughput: 94.11 Mbit/s
95th percentile per-packet one-way delay: 22.772 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 94.11 Mbit/s
95th percentile per-packet one-way delay: 22.772 ms
Loss rate: 0.10%

Run 4: Report of FillP-Sheep — Data Link



Run 5: Statistics of FillP-Sheep

Start at: 2019-06-28 08:04:52

End at: 2019-06-28 08:05:22

Local clock offset: -1.335 ms

Remote clock offset: -5.414 ms

Below is generated by plot.py at 2019-06-28 08:16:11

Datalink statistics

-- Total of 1 flow:

Average throughput: 94.38 Mbit/s

95th percentile per-packet one-way delay: 22.687 ms

Loss rate: 0.11%

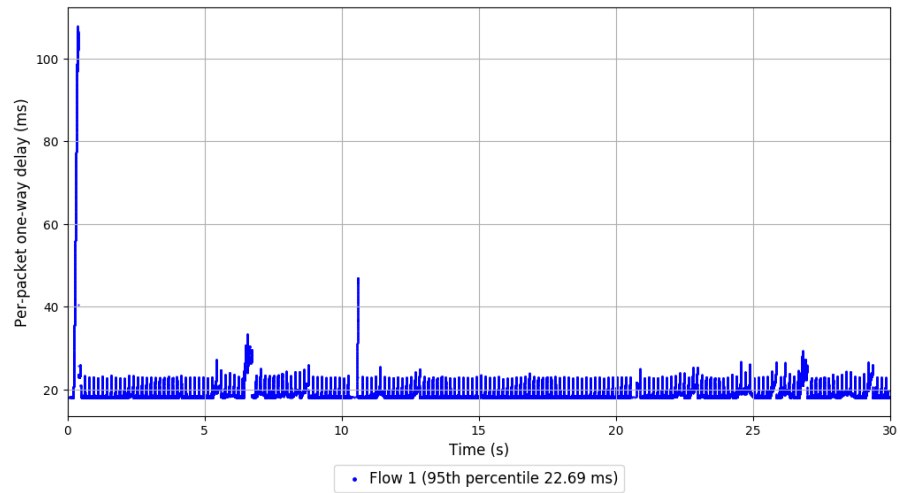
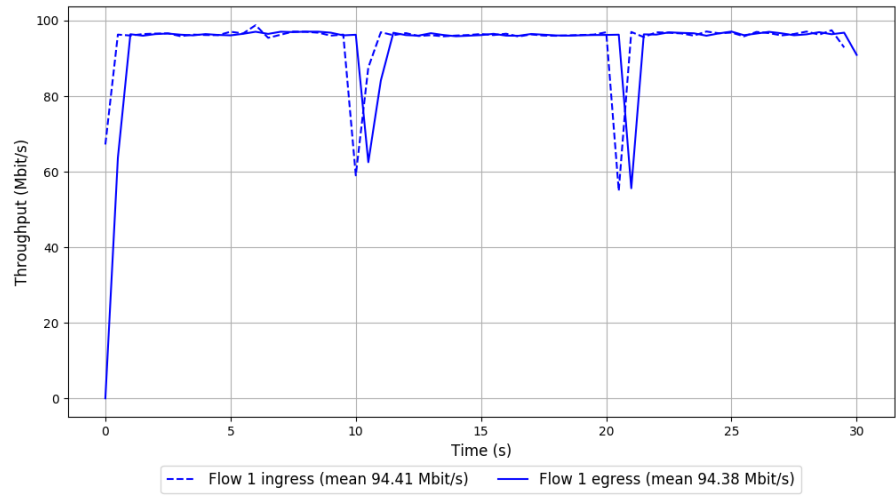
-- Flow 1:

Average throughput: 94.38 Mbit/s

95th percentile per-packet one-way delay: 22.687 ms

Loss rate: 0.11%

Run 5: Report of FillP-Sheep — Data Link

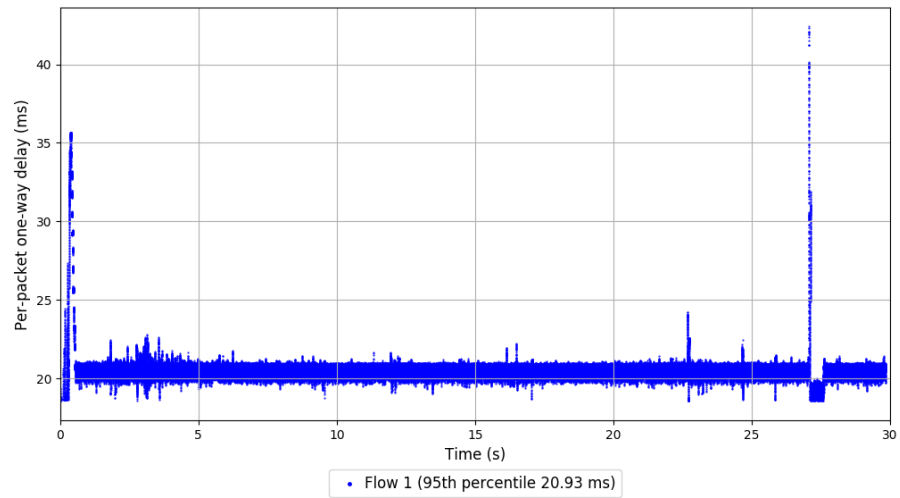
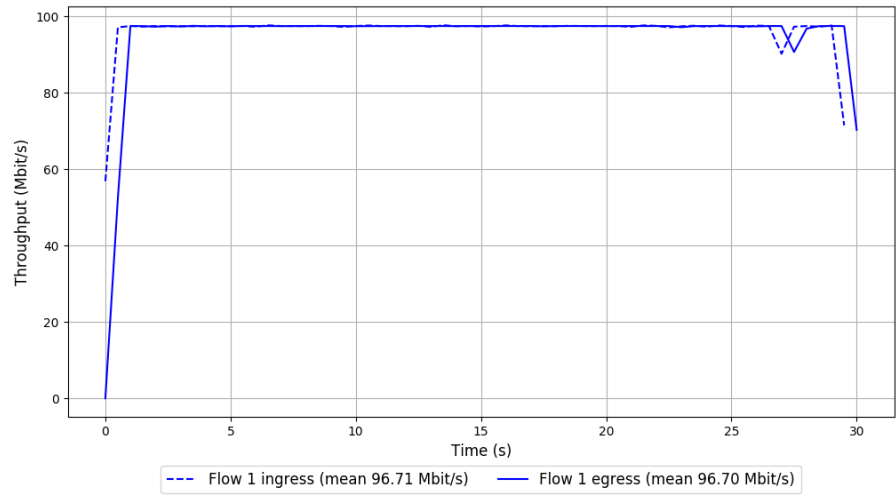


Run 1: Statistics of Indigo

Start at: 2019-06-28 06:03:16
End at: 2019-06-28 06:03:46
Local clock offset: -0.517 ms
Remote clock offset: -7.758 ms

Below is generated by plot.py at 2019-06-28 08:16:11
Datalink statistics
-- Total of 1 flow:
Average throughput: 96.70 Mbit/s
95th percentile per-packet one-way delay: 20.928 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 96.70 Mbit/s
95th percentile per-packet one-way delay: 20.928 ms
Loss rate: 0.09%

Run 1: Report of Indigo — Data Link

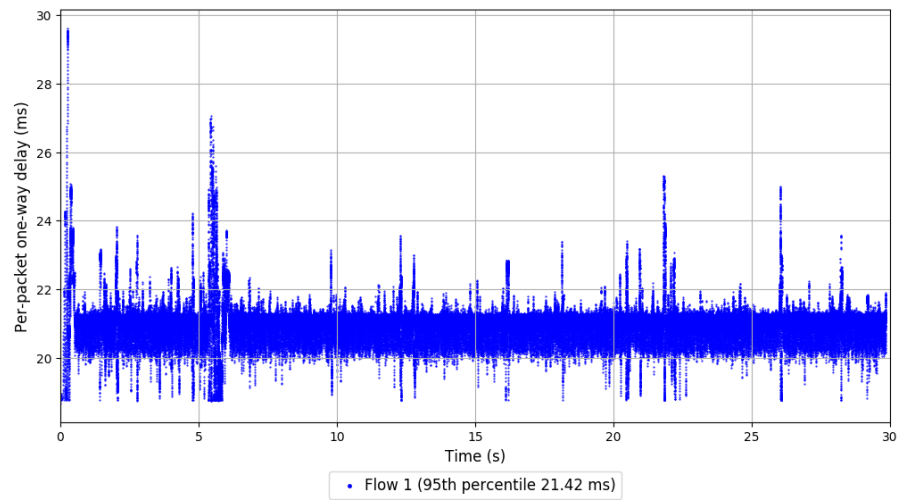
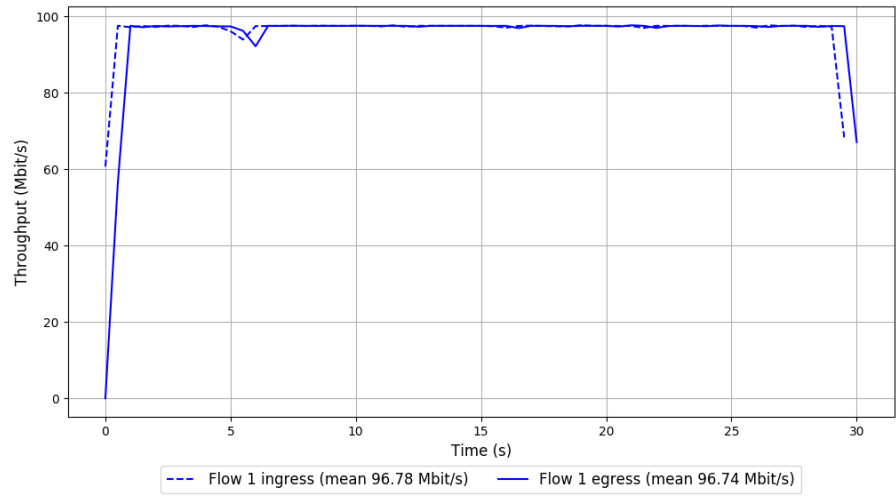


Run 2: Statistics of Indigo

Start at: 2019-06-28 06:29:51
End at: 2019-06-28 06:30:21
Local clock offset: -0.111 ms
Remote clock offset: -7.505 ms

Below is generated by plot.py at 2019-06-28 08:16:11
Datalink statistics
-- Total of 1 flow:
Average throughput: 96.74 Mbit/s
95th percentile per-packet one-way delay: 21.418 ms
Loss rate: 0.12%
-- Flow 1:
Average throughput: 96.74 Mbit/s
95th percentile per-packet one-way delay: 21.418 ms
Loss rate: 0.12%

Run 2: Report of Indigo — Data Link

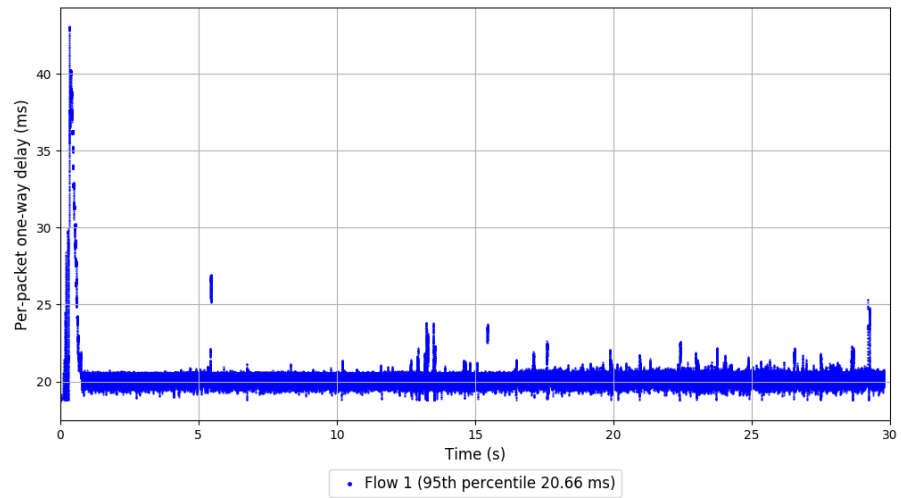
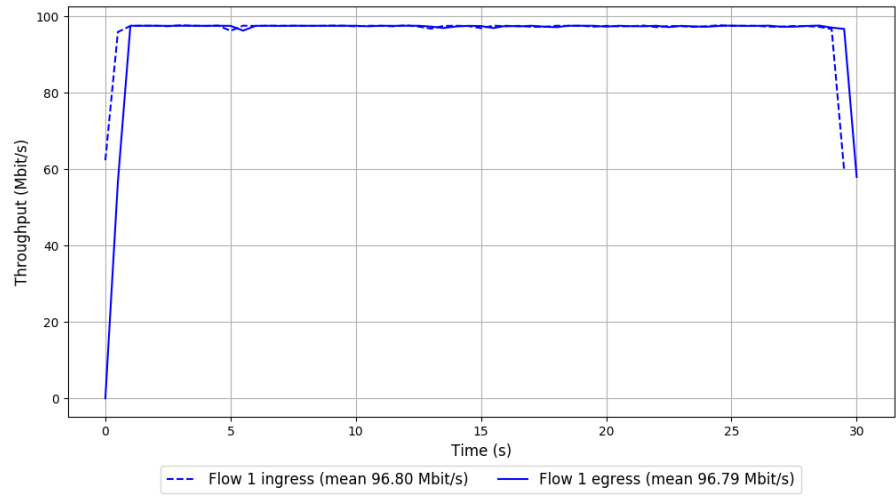


Run 3: Statistics of Indigo

Start at: 2019-06-28 06:56:23
End at: 2019-06-28 06:56:53
Local clock offset: -0.341 ms
Remote clock offset: -7.243 ms

Below is generated by plot.py at 2019-06-28 08:16:40
Datalink statistics
-- Total of 1 flow:
Average throughput: 96.79 Mbit/s
95th percentile per-packet one-way delay: 20.665 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 96.79 Mbit/s
95th percentile per-packet one-way delay: 20.665 ms
Loss rate: 0.10%

Run 3: Report of Indigo — Data Link



Run 4: Statistics of Indigo

Start at: 2019-06-28 07:22:50

End at: 2019-06-28 07:23:20

Local clock offset: -1.48 ms

Remote clock offset: -4.657 ms

Below is generated by plot.py at 2019-06-28 08:16:40

Datalink statistics

-- Total of 1 flow:

Average throughput: 95.39 Mbit/s

95th percentile per-packet one-way delay: 17.857 ms

Loss rate: 0.09%

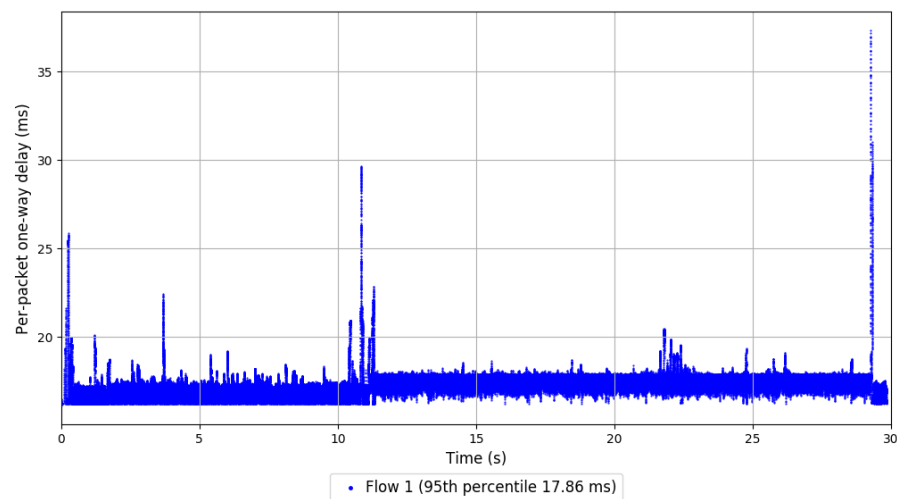
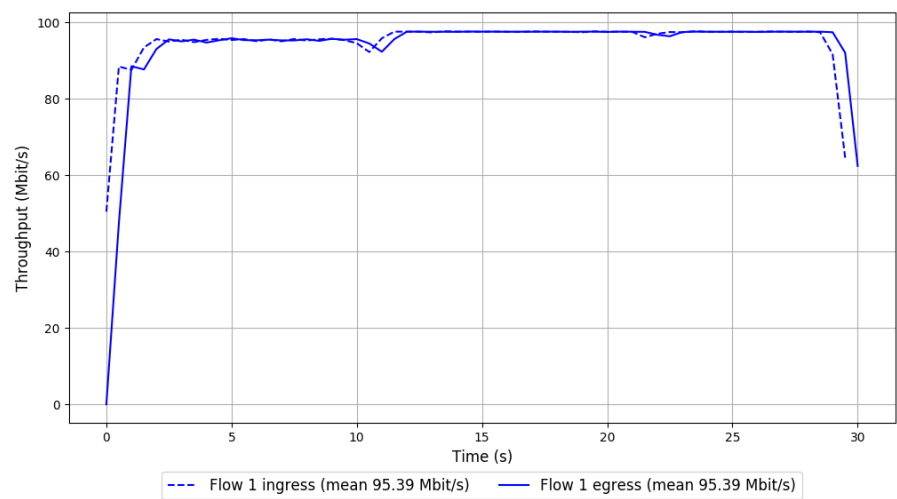
-- Flow 1:

Average throughput: 95.39 Mbit/s

95th percentile per-packet one-way delay: 17.857 ms

Loss rate: 0.09%

Run 4: Report of Indigo — Data Link

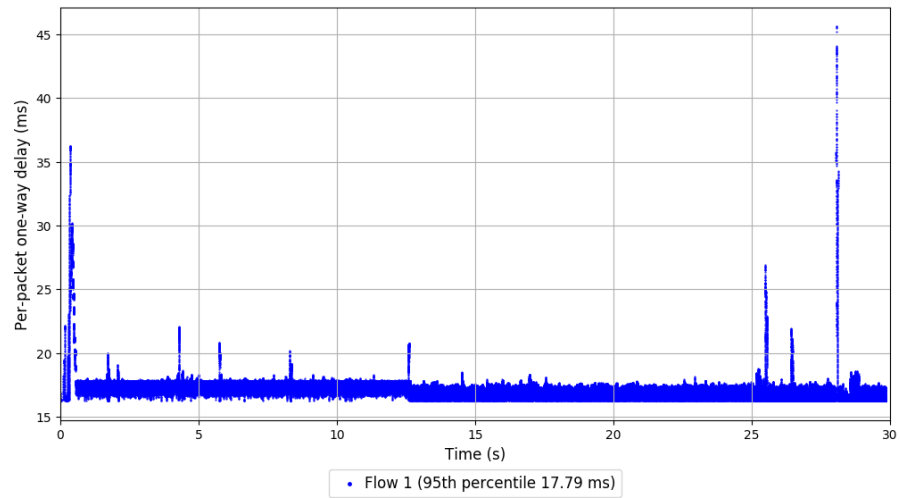
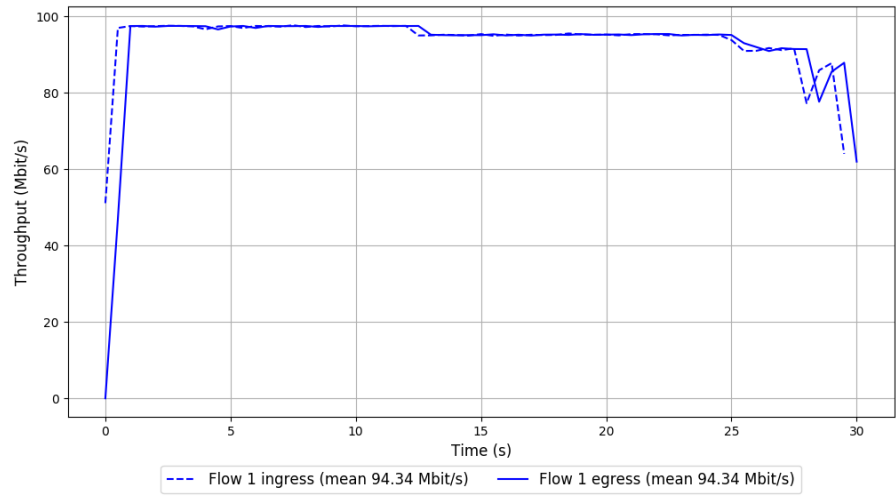


Run 5: Statistics of Indigo

Start at: 2019-06-28 07:48:43
End at: 2019-06-28 07:49:13
Local clock offset: -1.518 ms
Remote clock offset: -3.575 ms

Below is generated by plot.py at 2019-06-28 08:16:42
Datalink statistics
-- Total of 1 flow:
Average throughput: 94.34 Mbit/s
95th percentile per-packet one-way delay: 17.790 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 94.34 Mbit/s
95th percentile per-packet one-way delay: 17.790 ms
Loss rate: 0.09%

Run 5: Report of Indigo — Data Link



Run 1: Statistics of Indigo-MusesC3

Start at: 2019-06-28 06:21:23

End at: 2019-06-28 06:21:53

Local clock offset: -0.756 ms

Remote clock offset: -7.34 ms

Below is generated by plot.py at 2019-06-28 08:16:52

Datalink statistics

-- Total of 1 flow:

Average throughput: 95.62 Mbit/s

95th percentile per-packet one-way delay: 19.411 ms

Loss rate: 0.10%

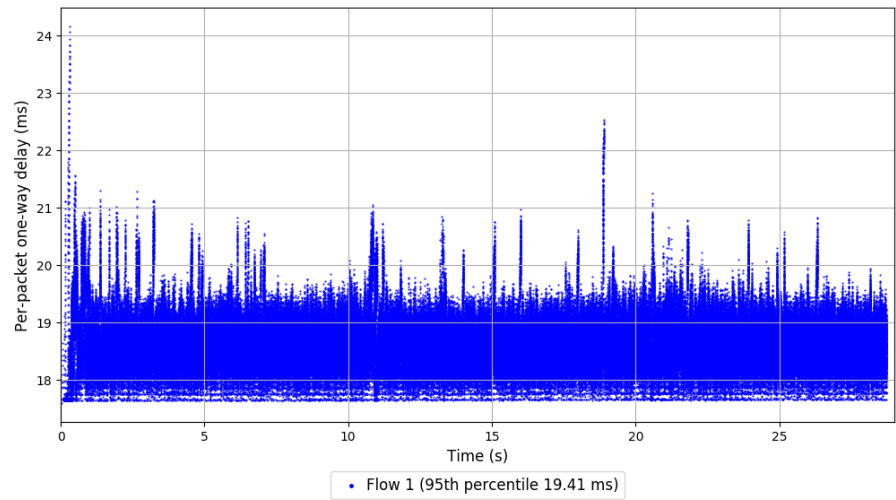
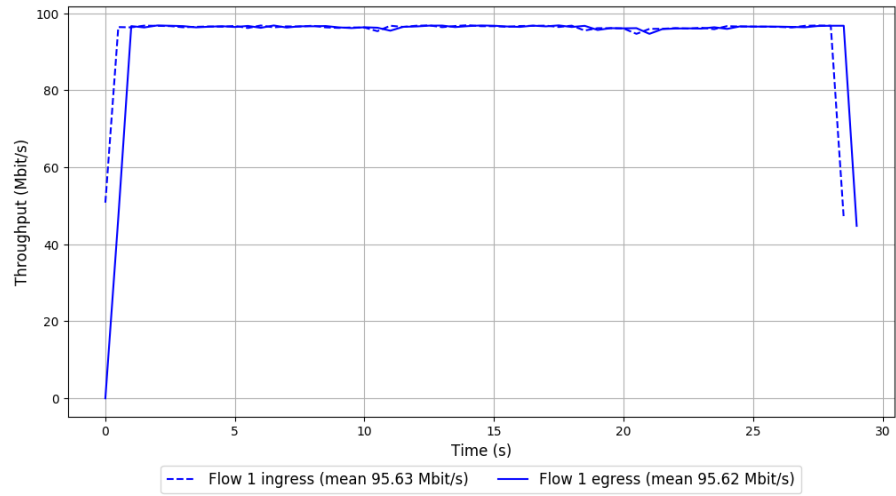
-- Flow 1:

Average throughput: 95.62 Mbit/s

95th percentile per-packet one-way delay: 19.411 ms

Loss rate: 0.10%

Run 1: Report of Indigo-MusesC3 — Data Link

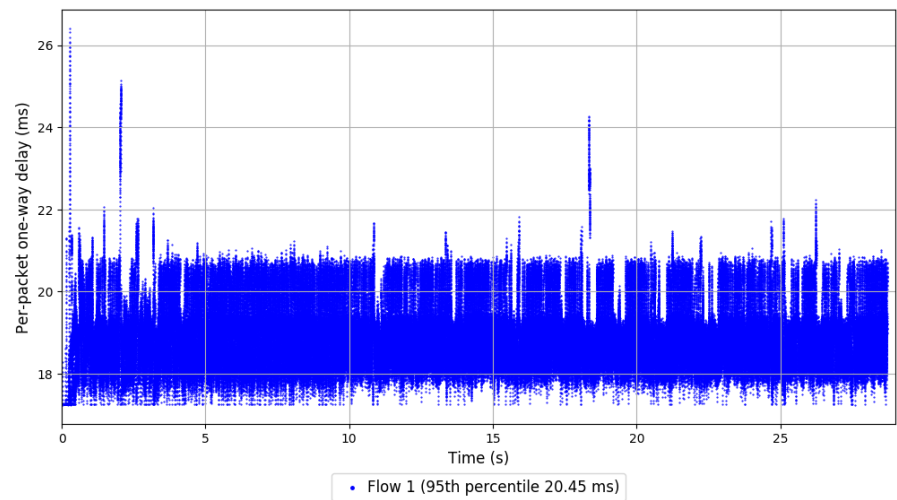
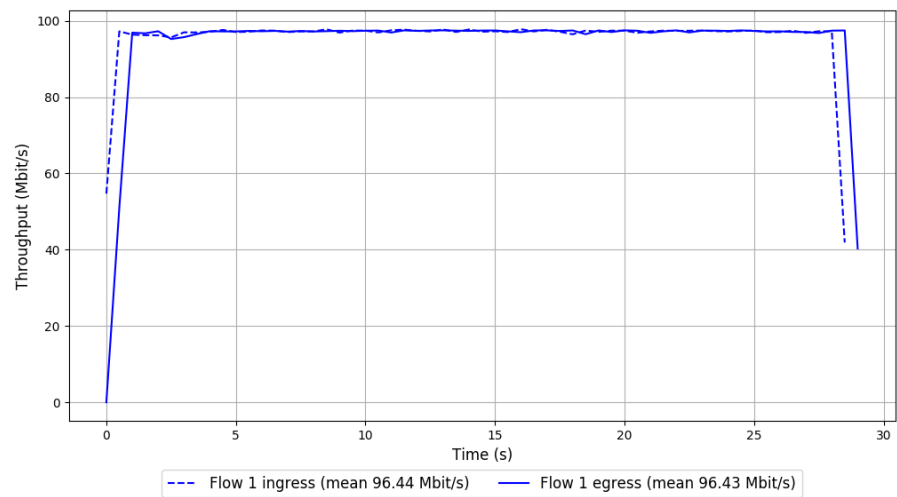


Run 2: Statistics of Indigo-MusesC3

Start at: 2019-06-28 06:48:14
End at: 2019-06-28 06:48:44
Local clock offset: -1.043 ms
Remote clock offset: -6.498 ms

Below is generated by plot.py at 2019-06-28 08:17:10
Datalink statistics
-- Total of 1 flow:
Average throughput: 96.43 Mbit/s
95th percentile per-packet one-way delay: 20.452 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 96.43 Mbit/s
95th percentile per-packet one-way delay: 20.452 ms
Loss rate: 0.09%

Run 2: Report of Indigo-MusesC3 — Data Link

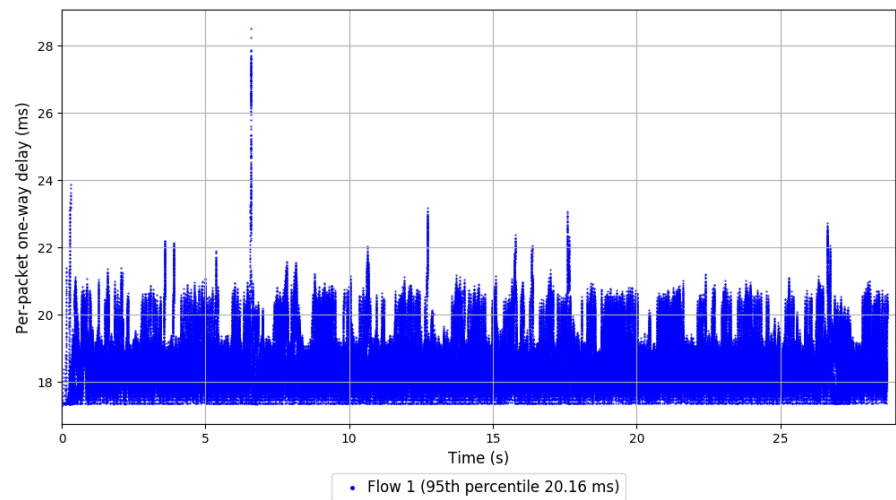
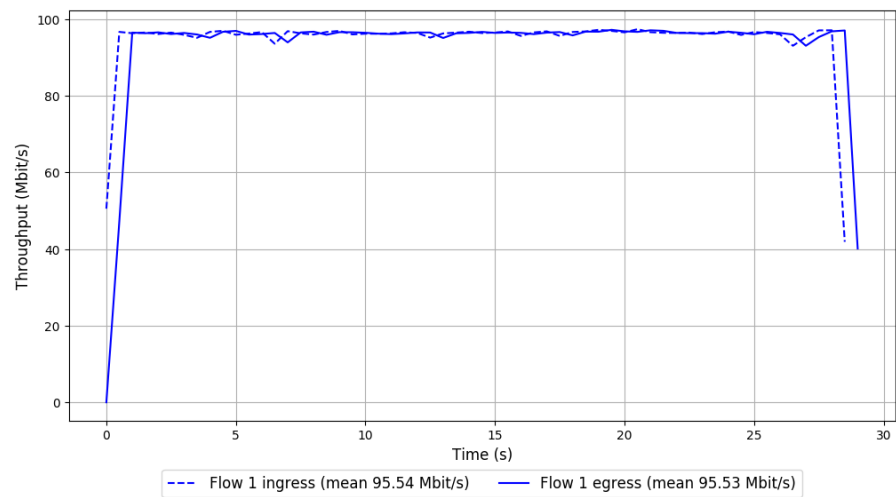


Run 3: Statistics of Indigo-MusesC3

Start at: 2019-06-28 07:14:32
End at: 2019-06-28 07:15:02
Local clock offset: -0.459 ms
Remote clock offset: -5.421 ms

Below is generated by plot.py at 2019-06-28 08:17:10
Datalink statistics
-- Total of 1 flow:
Average throughput: 95.53 Mbit/s
95th percentile per-packet one-way delay: 20.162 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 95.53 Mbit/s
95th percentile per-packet one-way delay: 20.162 ms
Loss rate: 0.10%

Run 3: Report of Indigo-MusesC3 — Data Link

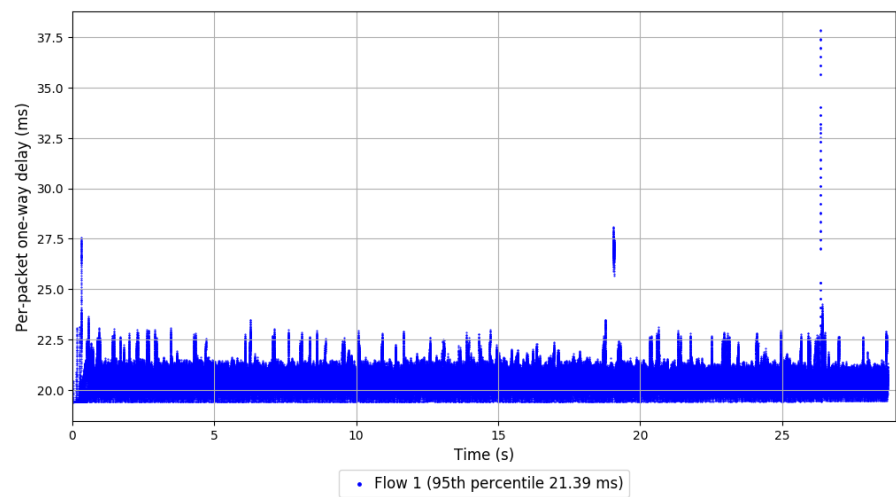
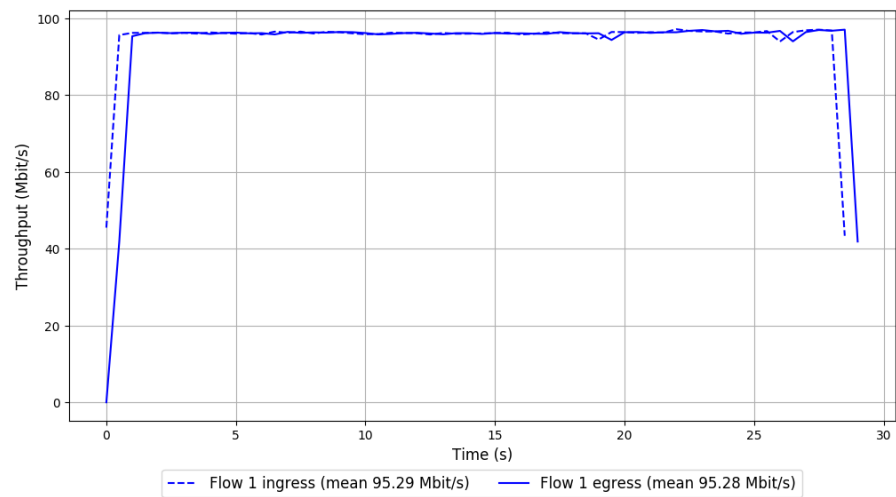


Run 4: Statistics of Indigo-MusesC3

Start at: 2019-06-28 07:40:32
End at: 2019-06-28 07:41:02
Local clock offset: -0.975 ms
Remote clock offset: -6.632 ms

Below is generated by plot.py at 2019-06-28 08:17:11
Datalink statistics
-- Total of 1 flow:
Average throughput: 95.28 Mbit/s
95th percentile per-packet one-way delay: 21.394 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 95.28 Mbit/s
95th percentile per-packet one-way delay: 21.394 ms
Loss rate: 0.10%

Run 4: Report of Indigo-MusesC3 — Data Link

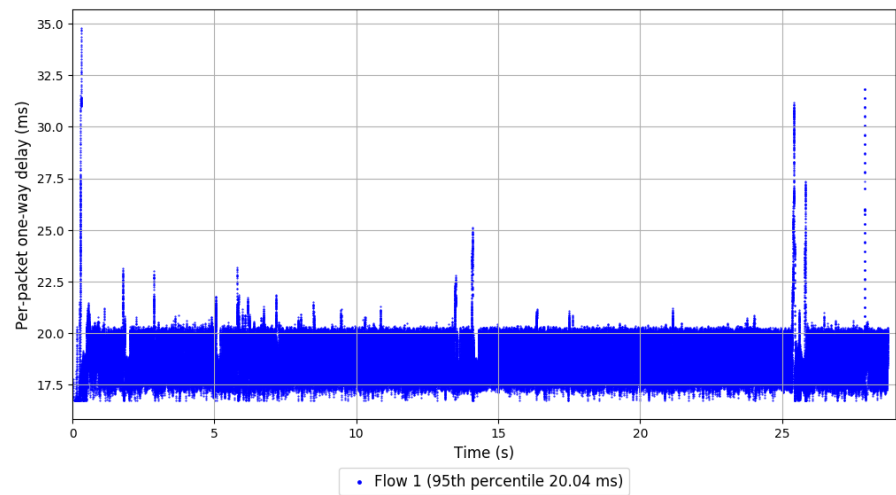
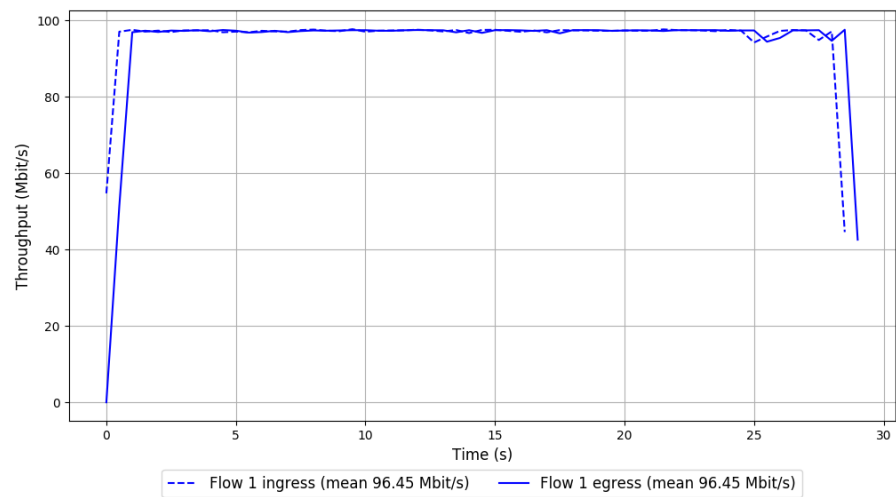


Run 5: Statistics of Indigo-MusesC3

Start at: 2019-06-28 08:06:02
End at: 2019-06-28 08:06:32
Local clock offset: -0.728 ms
Remote clock offset: -3.341 ms

Below is generated by plot.py at 2019-06-28 08:17:25
Datalink statistics
-- Total of 1 flow:
Average throughput: 96.45 Mbit/s
95th percentile per-packet one-way delay: 20.044 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 96.45 Mbit/s
95th percentile per-packet one-way delay: 20.044 ms
Loss rate: 0.10%

Run 5: Report of Indigo-MusesC3 — Data Link

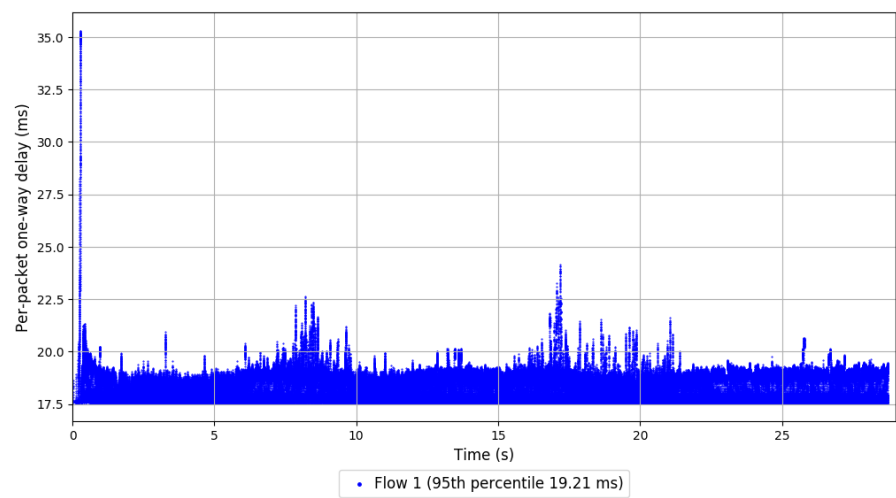
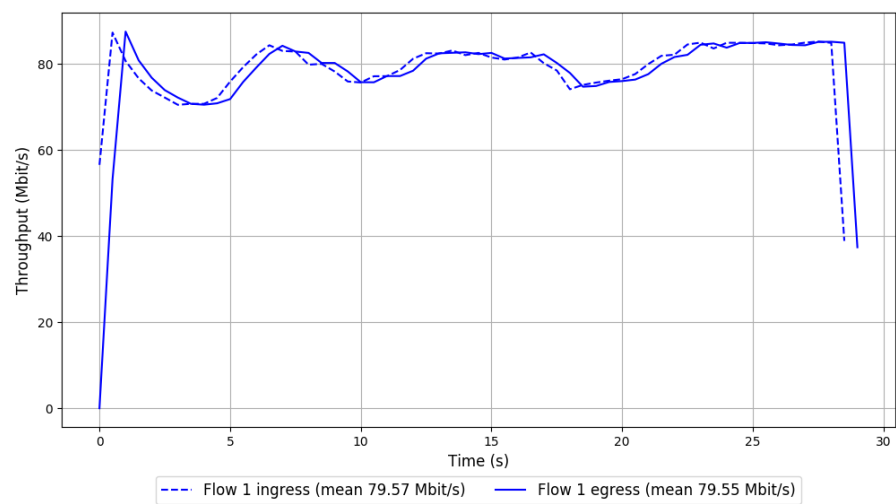


Run 1: Statistics of Indigo-MusesC5

Start at: 2019-06-28 06:11:47
End at: 2019-06-28 06:12:17
Local clock offset: -0.865 ms
Remote clock offset: -8.601 ms

Below is generated by plot.py at 2019-06-28 08:17:39
Datalink statistics
-- Total of 1 flow:
Average throughput: 79.55 Mbit/s
95th percentile per-packet one-way delay: 19.209 ms
Loss rate: 0.11%
-- Flow 1:
Average throughput: 79.55 Mbit/s
95th percentile per-packet one-way delay: 19.209 ms
Loss rate: 0.11%

Run 1: Report of Indigo-MusesC5 — Data Link

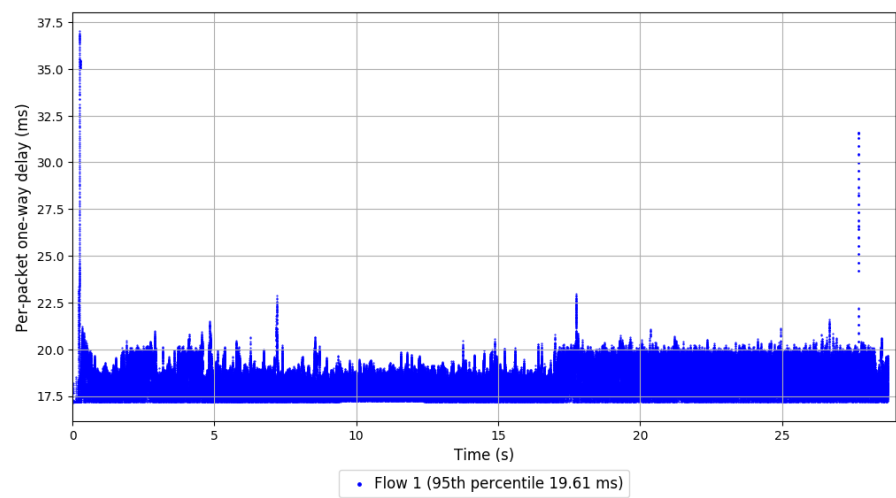
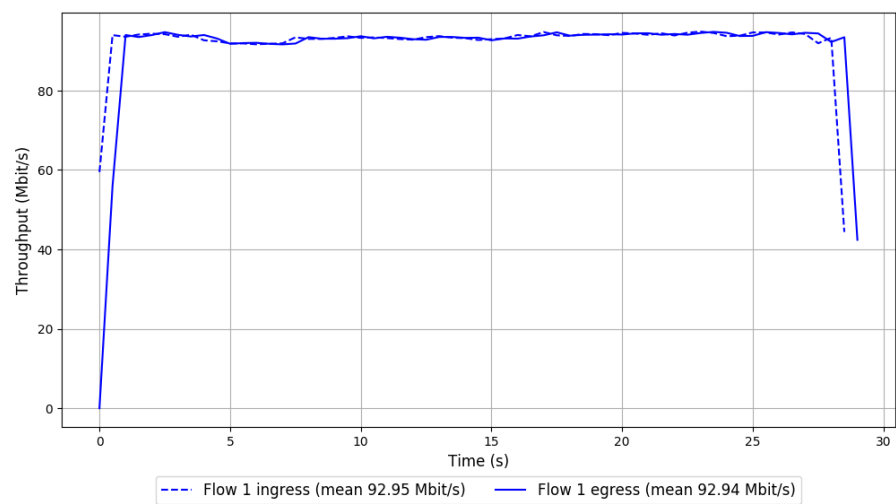


Run 2: Statistics of Indigo-MusesC5

Start at: 2019-06-28 06:38:37
End at: 2019-06-28 06:39:07
Local clock offset: -0.994 ms
Remote clock offset: -6.704 ms

Below is generated by plot.py at 2019-06-28 08:17:49
Datalink statistics
-- Total of 1 flow:
Average throughput: 92.94 Mbit/s
95th percentile per-packet one-way delay: 19.607 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 92.94 Mbit/s
95th percentile per-packet one-way delay: 19.607 ms
Loss rate: 0.09%

Run 2: Report of Indigo-MusesC5 — Data Link

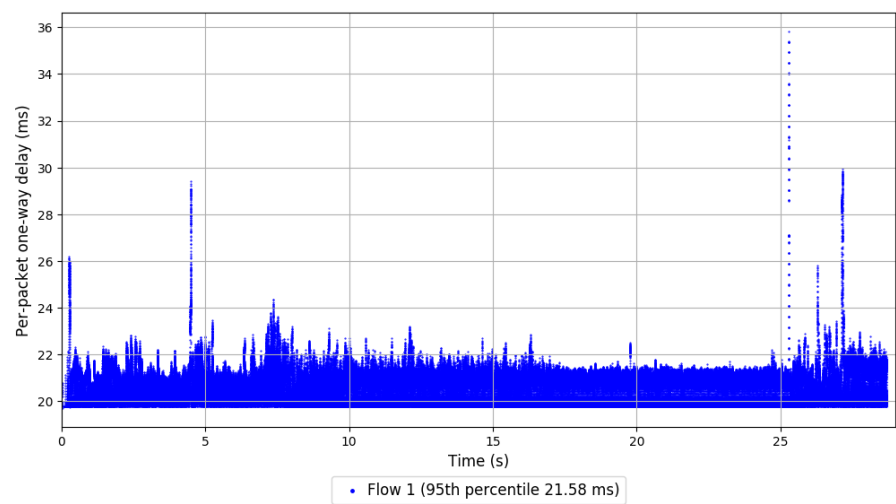
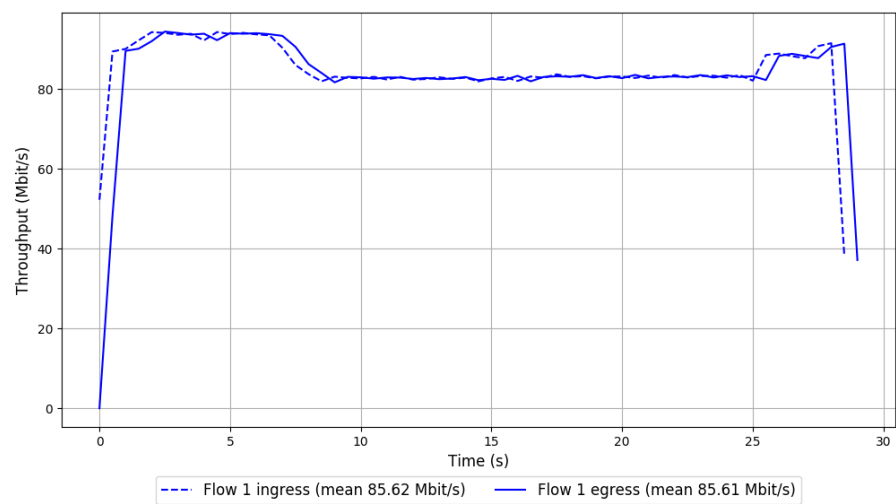


Run 3: Statistics of Indigo-MusesC5

Start at: 2019-06-28 07:04:49
End at: 2019-06-28 07:05:19
Local clock offset: 0.188 ms
Remote clock offset: -7.423 ms

Below is generated by plot.py at 2019-06-28 08:17:49
Datalink statistics
-- Total of 1 flow:
Average throughput: 85.61 Mbit/s
95th percentile per-packet one-way delay: 21.583 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 85.61 Mbit/s
95th percentile per-packet one-way delay: 21.583 ms
Loss rate: 0.10%

Run 3: Report of Indigo-MusesC5 — Data Link

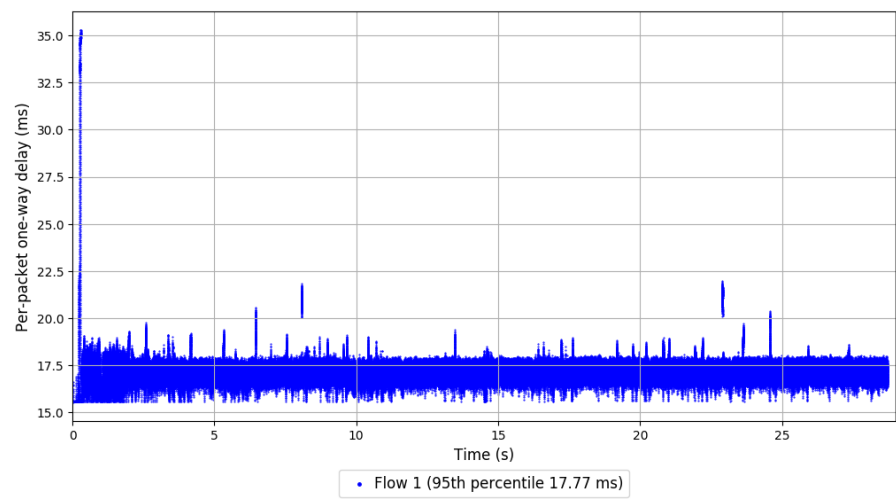
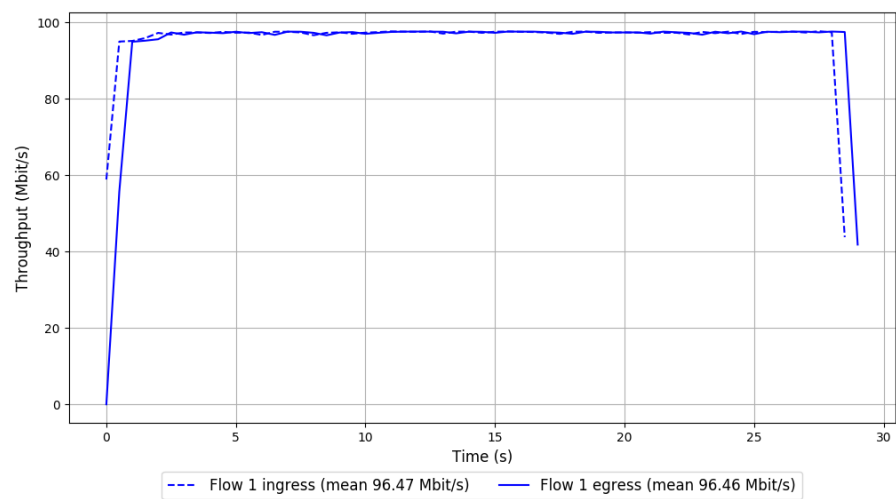


Run 4: Statistics of Indigo-MusesC5

Start at: 2019-06-28 07:31:04
End at: 2019-06-28 07:31:34
Local clock offset: -1.798 ms
Remote clock offset: -4.058 ms

Below is generated by plot.py at 2019-06-28 08:18:05
Datalink statistics
-- Total of 1 flow:
Average throughput: 96.46 Mbit/s
95th percentile per-packet one-way delay: 17.774 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 96.46 Mbit/s
95th percentile per-packet one-way delay: 17.774 ms
Loss rate: 0.09%

Run 4: Report of Indigo-MusesC5 — Data Link



Run 5: Statistics of Indigo-MusesC5

Start at: 2019-06-28 07:56:48

End at: 2019-06-28 07:57:18

Local clock offset: -0.567 ms

Remote clock offset: -3.44 ms

Below is generated by plot.py at 2019-06-28 08:18:18

Datalink statistics

-- Total of 1 flow:

Average throughput: 93.34 Mbit/s

95th percentile per-packet one-way delay: 19.231 ms

Loss rate: 0.09%

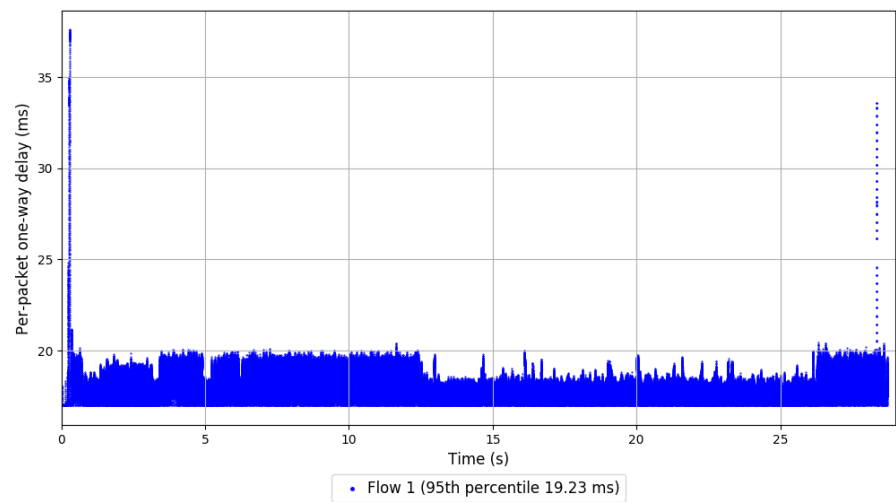
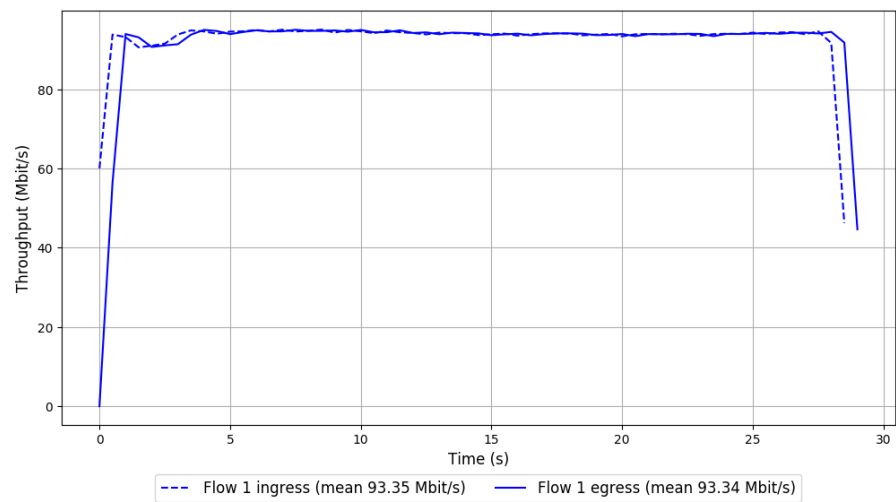
-- Flow 1:

Average throughput: 93.34 Mbit/s

95th percentile per-packet one-way delay: 19.231 ms

Loss rate: 0.09%

Run 5: Report of Indigo-MusesC5 — Data Link



Run 1: Statistics of Indigo-MusesD

Start at: 2019-06-28 06:04:32

End at: 2019-06-28 06:05:02

Local clock offset: 0.219 ms

Remote clock offset: -7.013 ms

Below is generated by plot.py at 2019-06-28 08:18:20

Datalink statistics

-- Total of 1 flow:

Average throughput: 95.73 Mbit/s

95th percentile per-packet one-way delay: 24.704 ms

Loss rate: 0.11%

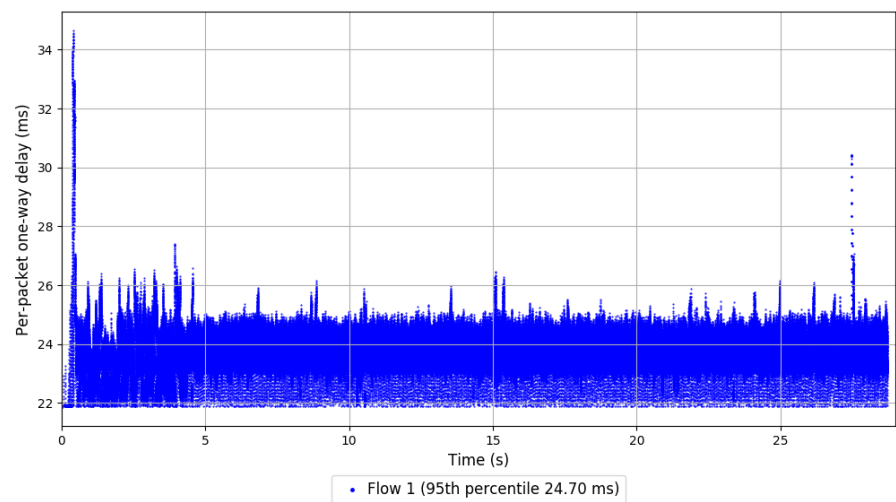
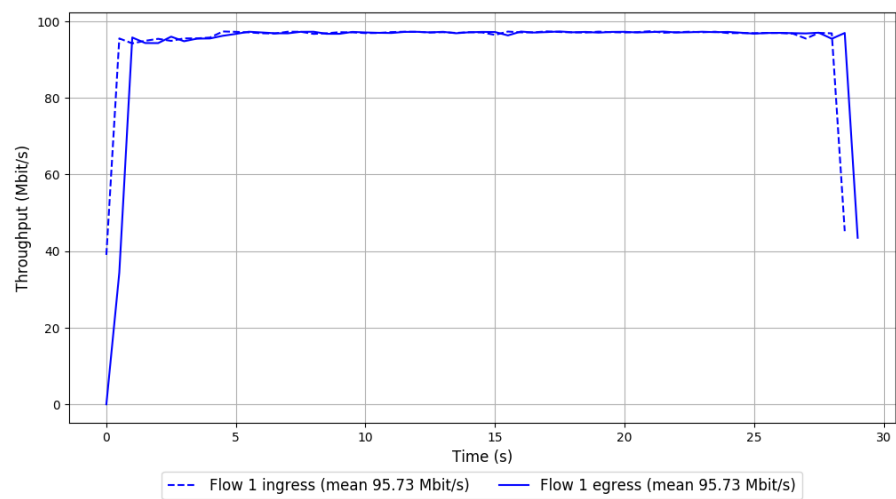
-- Flow 1:

Average throughput: 95.73 Mbit/s

95th percentile per-packet one-way delay: 24.704 ms

Loss rate: 0.11%

Run 1: Report of Indigo-MusesD — Data Link



Run 2: Statistics of Indigo-MusesD

Start at: 2019-06-28 06:31:08

End at: 2019-06-28 06:31:38

Local clock offset: -1.307 ms

Remote clock offset: -8.366 ms

Below is generated by plot.py at 2019-06-28 08:18:20

Datalink statistics

-- Total of 1 flow:

Average throughput: 92.37 Mbit/s

95th percentile per-packet one-way delay: 21.123 ms

Loss rate: 0.10%

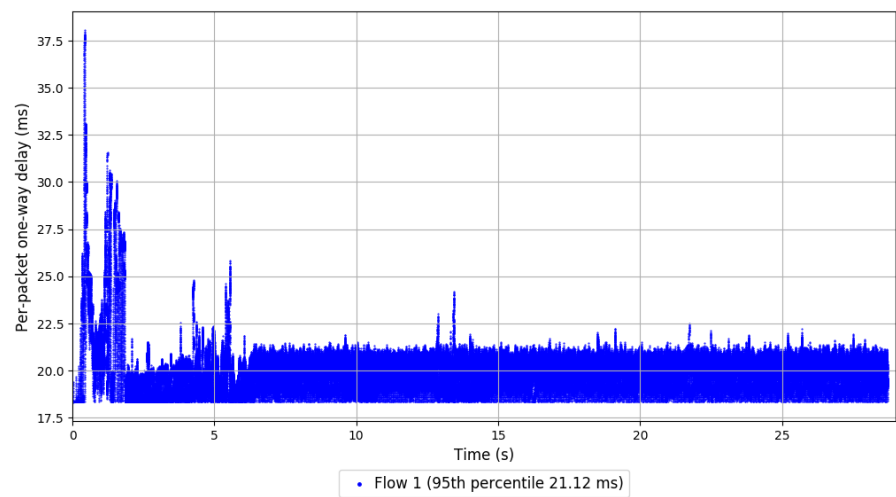
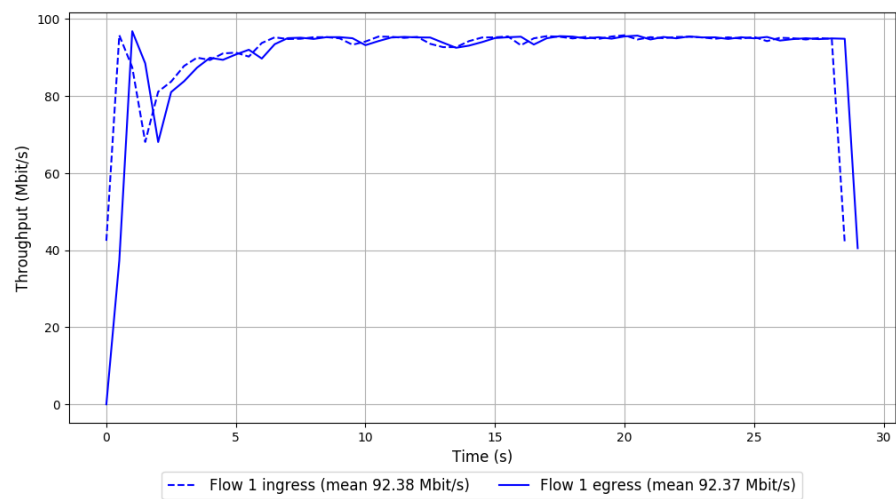
-- Flow 1:

Average throughput: 92.37 Mbit/s

95th percentile per-packet one-way delay: 21.123 ms

Loss rate: 0.10%

Run 2: Report of Indigo-MusesD — Data Link



Run 3: Statistics of Indigo-MusesD

Start at: 2019-06-28 06:57:36

End at: 2019-06-28 06:58:06

Local clock offset: -0.815 ms

Remote clock offset: -5.781 ms

Below is generated by plot.py at 2019-06-28 08:18:32

Datalink statistics

-- Total of 1 flow:

Average throughput: 90.46 Mbit/s

95th percentile per-packet one-way delay: 19.452 ms

Loss rate: 0.10%

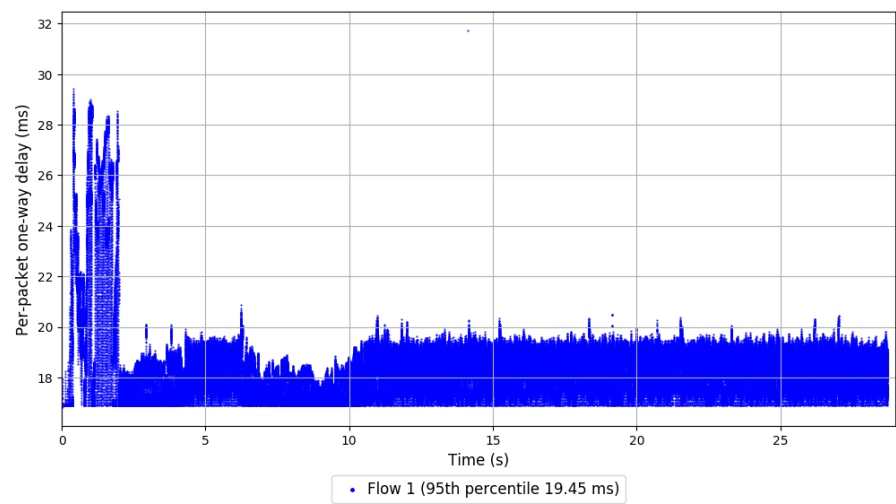
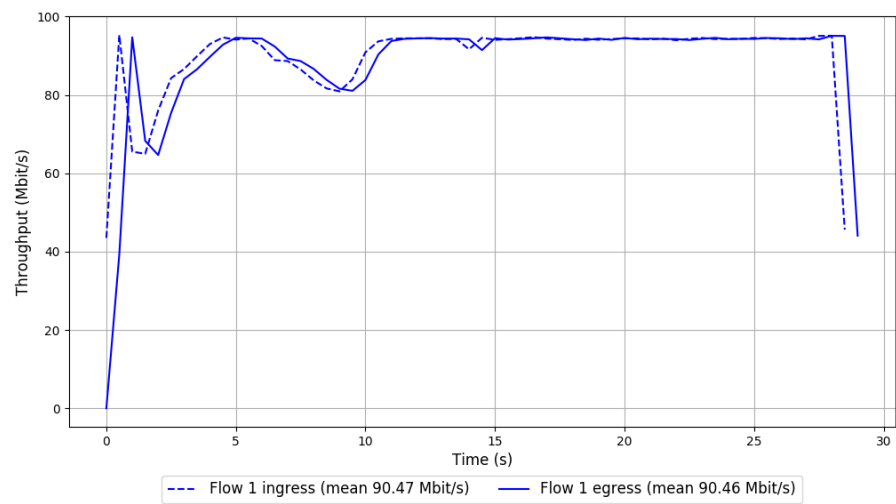
-- Flow 1:

Average throughput: 90.46 Mbit/s

95th percentile per-packet one-way delay: 19.452 ms

Loss rate: 0.10%

Run 3: Report of Indigo-MusesD — Data Link



Run 4: Statistics of Indigo-MusesD

Start at: 2019-06-28 07:24:06

End at: 2019-06-28 07:24:36

Local clock offset: -0.129 ms

Remote clock offset: -5.372 ms

Below is generated by plot.py at 2019-06-28 08:18:48

Datalink statistics

-- Total of 1 flow:

Average throughput: 93.60 Mbit/s

95th percentile per-packet one-way delay: 20.958 ms

Loss rate: 0.09%

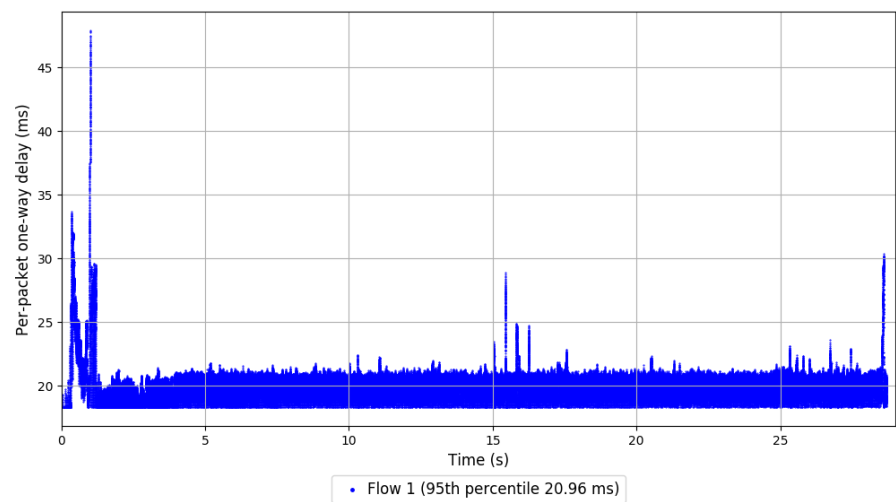
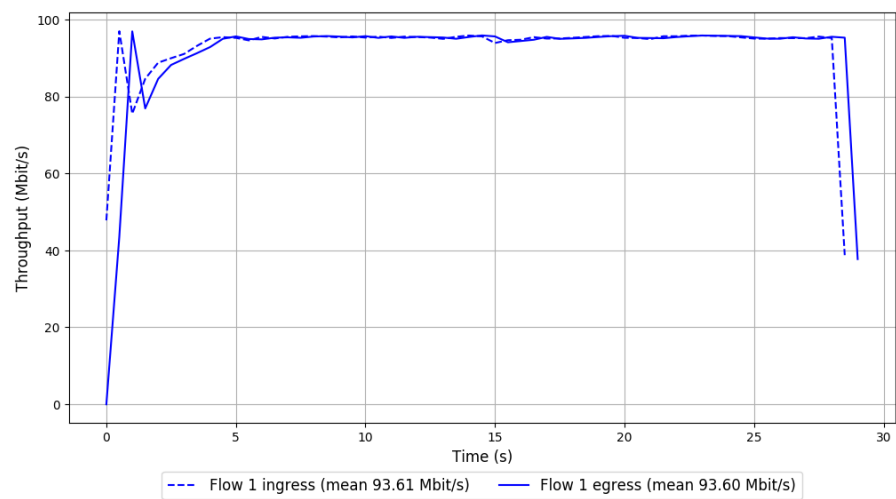
-- Flow 1:

Average throughput: 93.60 Mbit/s

95th percentile per-packet one-way delay: 20.958 ms

Loss rate: 0.09%

Run 4: Report of Indigo-MusesD — Data Link



Run 5: Statistics of Indigo-MusesD

Start at: 2019-06-28 07:49:55

End at: 2019-06-28 07:50:25

Local clock offset: -1.695 ms

Remote clock offset: -3.779 ms

Below is generated by plot.py at 2019-06-28 08:18:54

Datalink statistics

-- Total of 1 flow:

Average throughput: 91.80 Mbit/s

95th percentile per-packet one-way delay: 18.669 ms

Loss rate: 0.09%

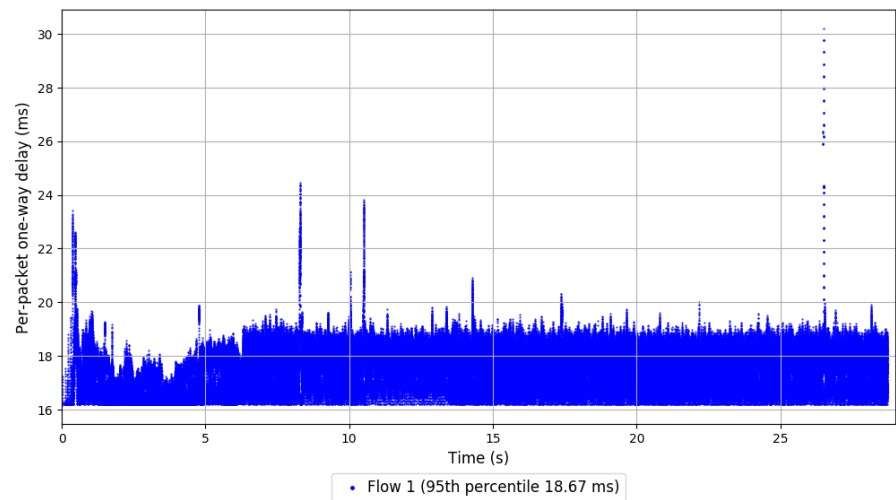
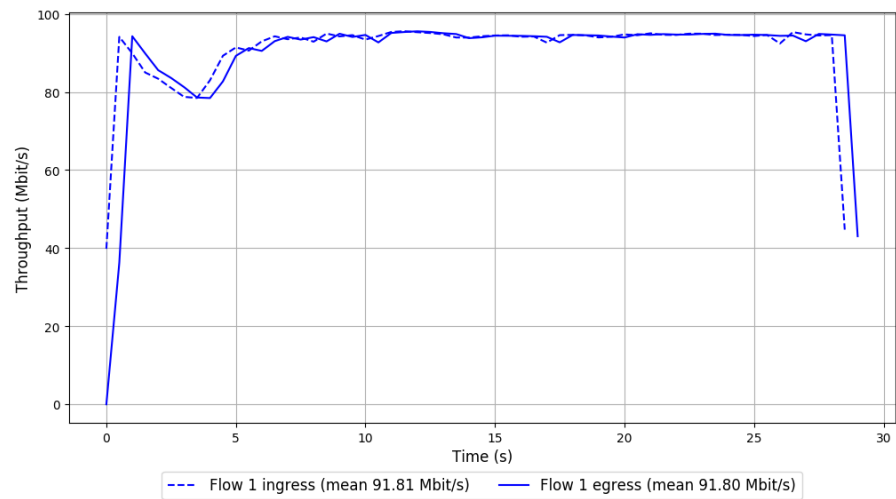
-- Flow 1:

Average throughput: 91.80 Mbit/s

95th percentile per-packet one-way delay: 18.669 ms

Loss rate: 0.09%

Run 5: Report of Indigo-MusesD — Data Link

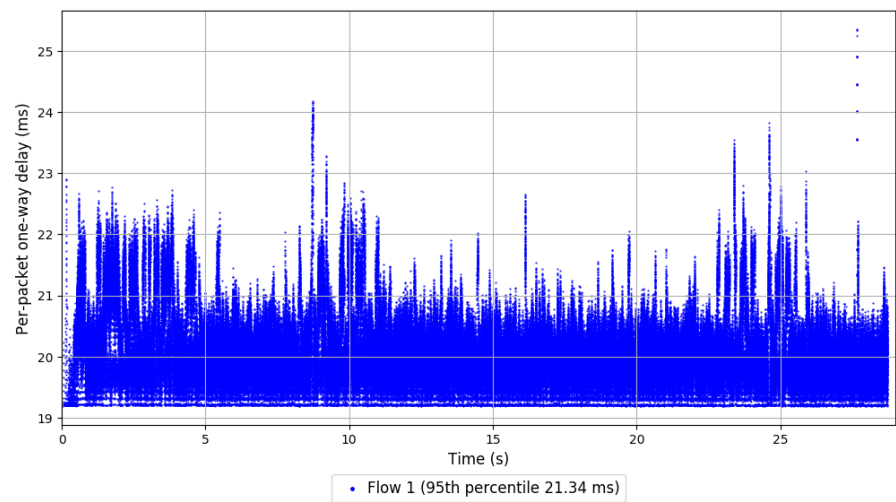
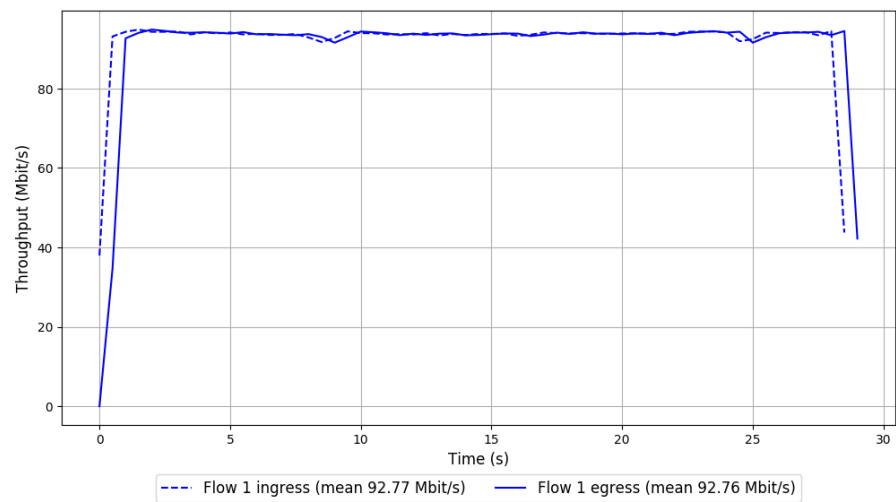


Run 1: Statistics of Indigo-MusesT

Start at: 2019-06-28 06:14:01
End at: 2019-06-28 06:14:31
Local clock offset: 0.337 ms
Remote clock offset: -8.619 ms

Below is generated by plot.py at 2019-06-28 08:18:58
Datalink statistics
-- Total of 1 flow:
Average throughput: 92.76 Mbit/s
95th percentile per-packet one-way delay: 21.335 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 92.76 Mbit/s
95th percentile per-packet one-way delay: 21.335 ms
Loss rate: 0.10%

Run 1: Report of Indigo-MusesT — Data Link



Run 2: Statistics of Indigo-MusesT

Start at: 2019-06-28 06:41:05

End at: 2019-06-28 06:41:35

Local clock offset: -1.2 ms

Remote clock offset: -5.747 ms

Below is generated by plot.py at 2019-06-28 08:19:16

Datalink statistics

-- Total of 1 flow:

Average throughput: 96.37 Mbit/s

95th percentile per-packet one-way delay: 19.010 ms

Loss rate: 0.12%

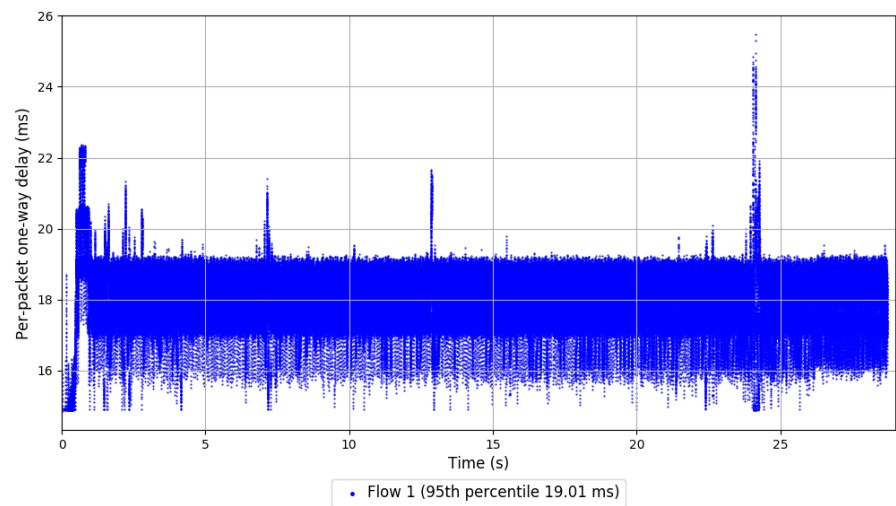
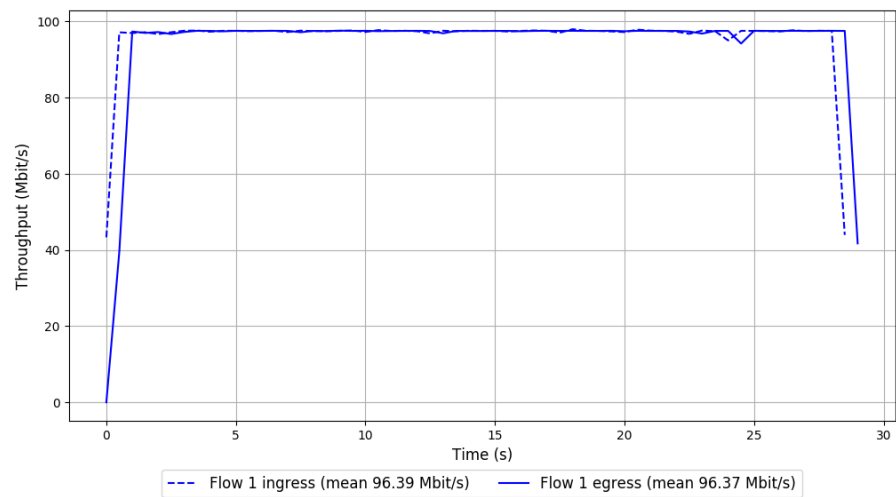
-- Flow 1:

Average throughput: 96.37 Mbit/s

95th percentile per-packet one-way delay: 19.010 ms

Loss rate: 0.12%

Run 2: Report of Indigo-MusesT — Data Link



Run 3: Statistics of Indigo-MusesT

Start at: 2019-06-28 07:07:13

End at: 2019-06-28 07:07:43

Local clock offset: -0.85 ms

Remote clock offset: -7.245 ms

Below is generated by plot.py at 2019-06-28 08:19:27

Datalink statistics

-- Total of 1 flow:

Average throughput: 94.96 Mbit/s

95th percentile per-packet one-way delay: 23.295 ms

Loss rate: 0.11%

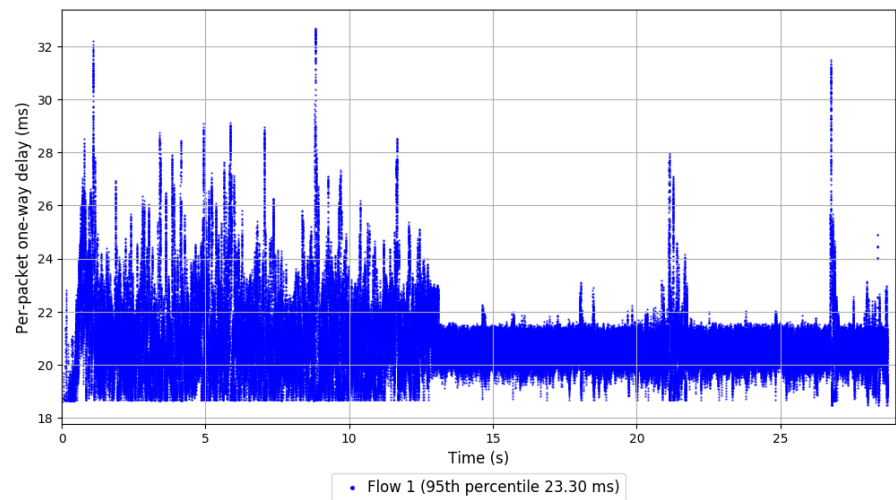
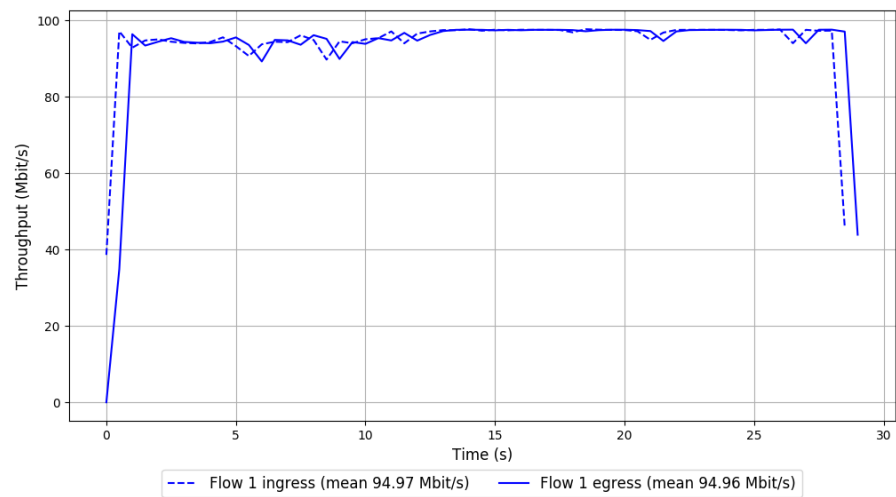
-- Flow 1:

Average throughput: 94.96 Mbit/s

95th percentile per-packet one-way delay: 23.295 ms

Loss rate: 0.11%

Run 3: Report of Indigo-MusesT — Data Link

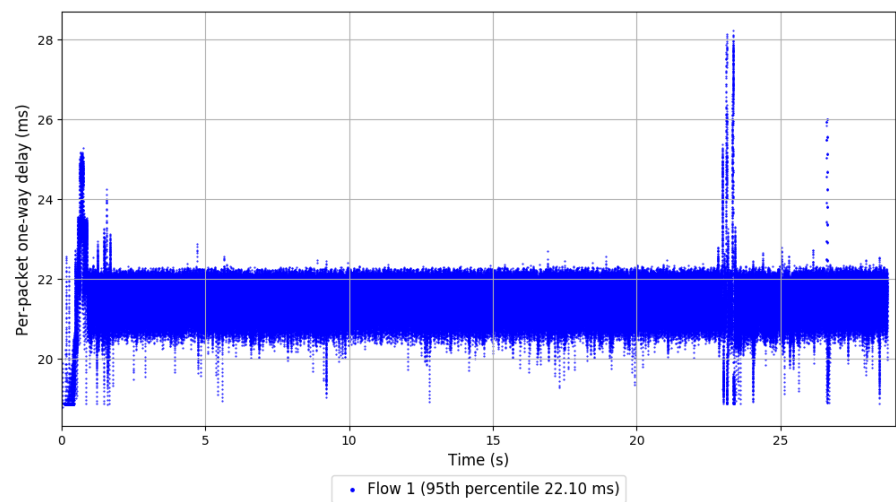
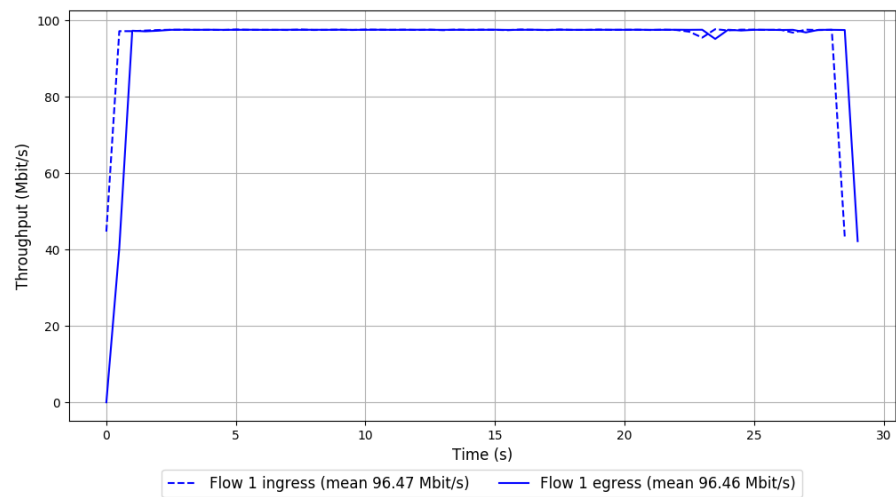


Run 4: Statistics of Indigo-MusesT

Start at: 2019-06-28 07:33:21
End at: 2019-06-28 07:33:51
Local clock offset: -1.248 ms
Remote clock offset: -6.527 ms

Below is generated by plot.py at 2019-06-28 08:19:28
Datalink statistics
-- Total of 1 flow:
Average throughput: 96.46 Mbit/s
95th percentile per-packet one-way delay: 22.102 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 96.46 Mbit/s
95th percentile per-packet one-way delay: 22.102 ms
Loss rate: 0.10%

Run 4: Report of Indigo-MusesT — Data Link



Run 5: Statistics of Indigo-MusesT

Start at: 2019-06-28 07:59:02

End at: 2019-06-28 07:59:33

Local clock offset: -1.504 ms

Remote clock offset: -2.902 ms

Below is generated by plot.py at 2019-06-28 08:19:29

Datalink statistics

-- Total of 1 flow:

Average throughput: 96.36 Mbit/s

95th percentile per-packet one-way delay: 18.413 ms

Loss rate: 0.10%

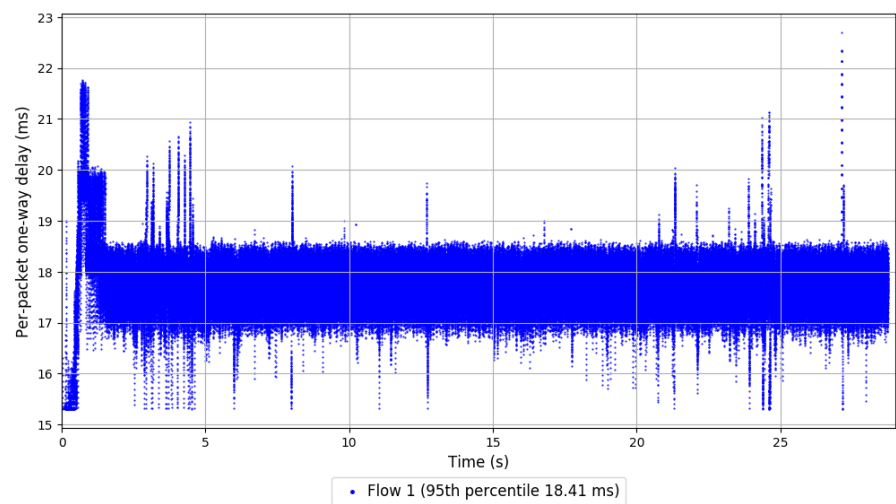
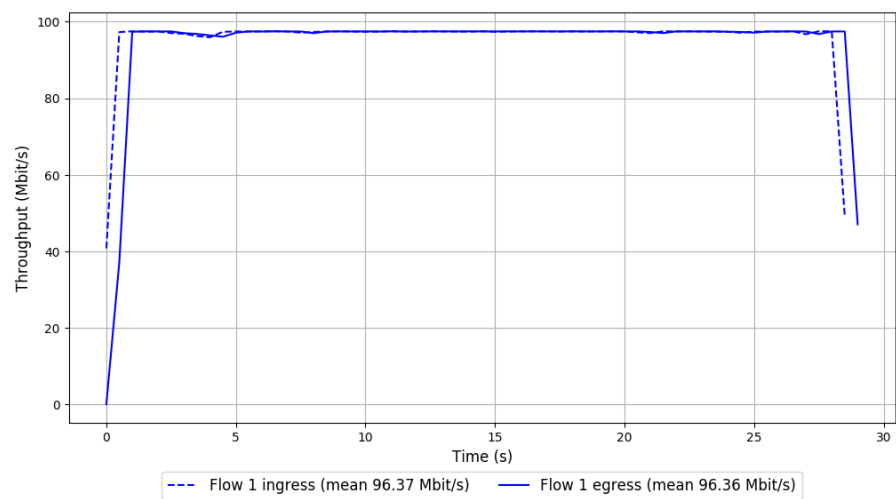
-- Flow 1:

Average throughput: 96.36 Mbit/s

95th percentile per-packet one-way delay: 18.413 ms

Loss rate: 0.10%

Run 5: Report of Indigo-MusesT — Data Link

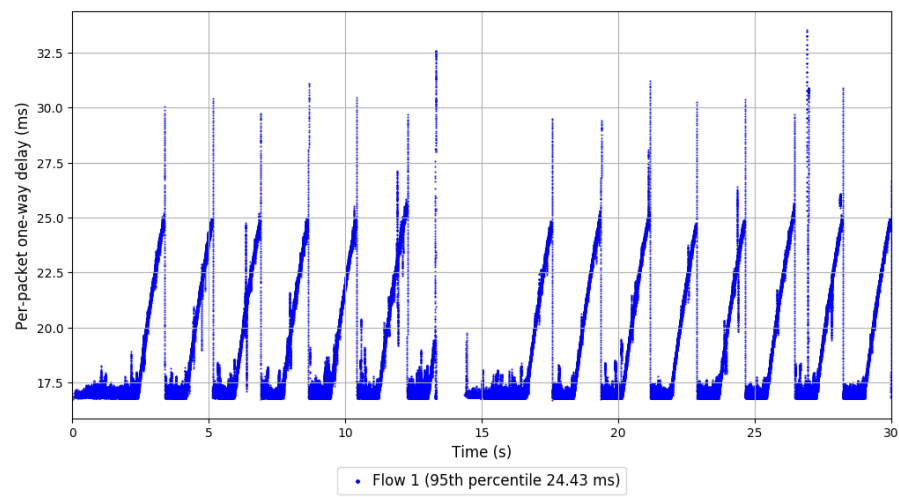
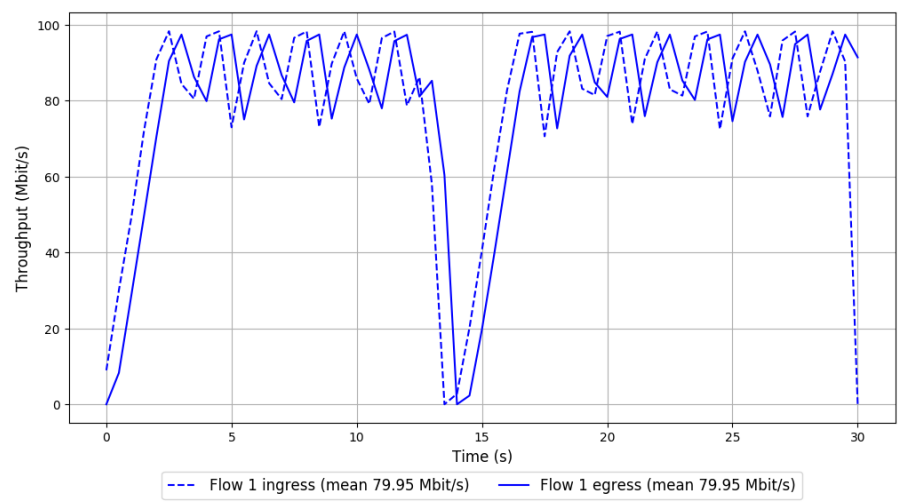


Run 1: Statistics of LEDBAT

Start at: 2019-06-28 06:02:05
End at: 2019-06-28 06:02:35
Local clock offset: 0.335 ms
Remote clock offset: -5.933 ms

Below is generated by plot.py at 2019-06-28 08:19:36
Datalink statistics
-- Total of 1 flow:
Average throughput: 79.95 Mbit/s
95th percentile per-packet one-way delay: 24.432 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 79.95 Mbit/s
95th percentile per-packet one-way delay: 24.432 ms
Loss rate: 0.09%

Run 1: Report of LEDBAT — Data Link

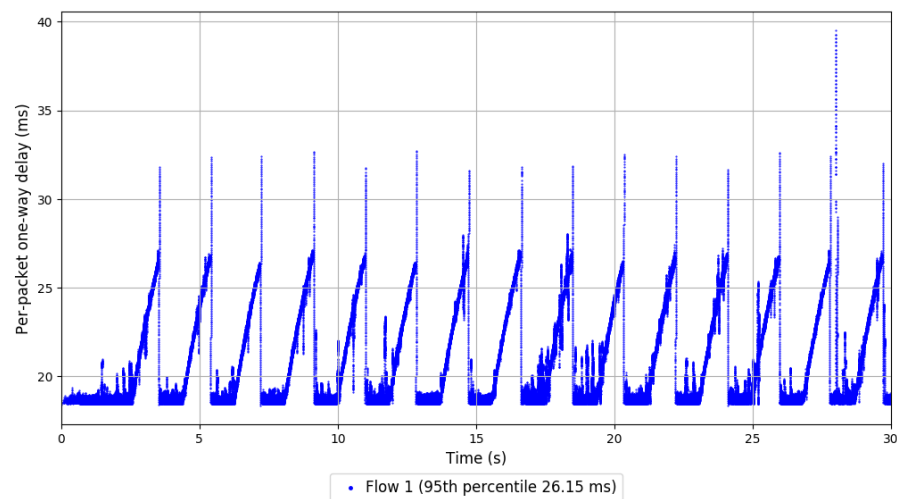
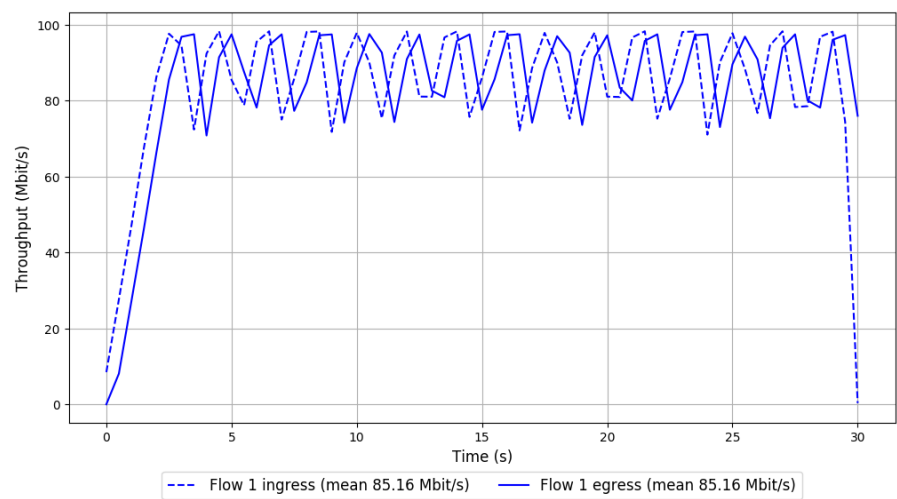


Run 2: Statistics of LEDBAT

Start at: 2019-06-28 06:28:38
End at: 2019-06-28 06:29:08
Local clock offset: -1.024 ms
Remote clock offset: -8.221 ms

Below is generated by plot.py at 2019-06-28 08:19:55
Datalink statistics
-- Total of 1 flow:
Average throughput: 85.16 Mbit/s
95th percentile per-packet one-way delay: 26.147 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 85.16 Mbit/s
95th percentile per-packet one-way delay: 26.147 ms
Loss rate: 0.08%

Run 2: Report of LEDBAT — Data Link

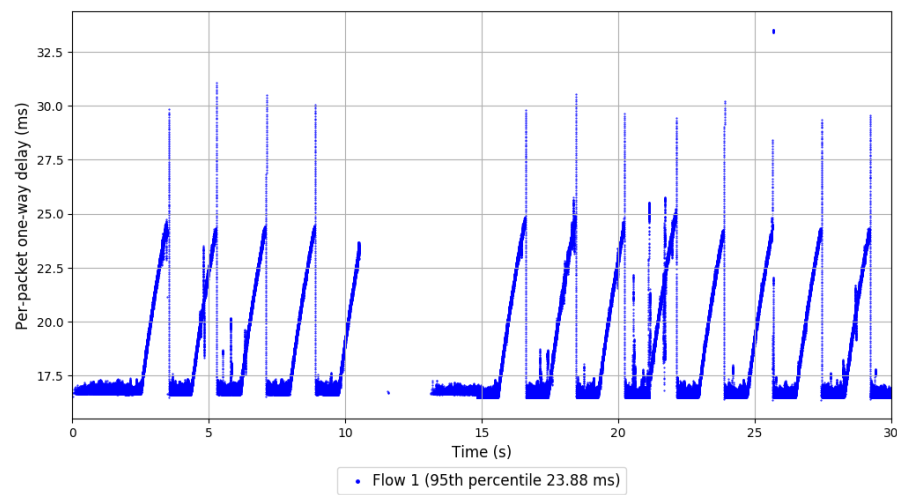
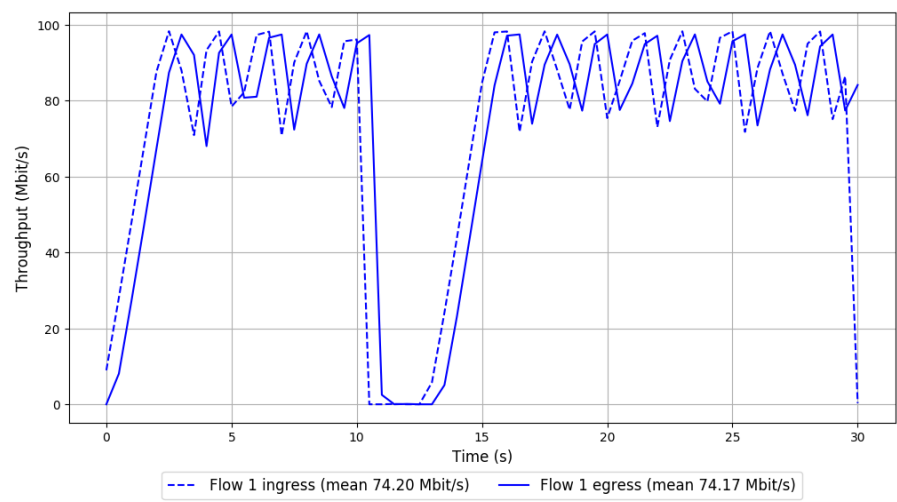


Run 3: Statistics of LEDBAT

Start at: 2019-06-28 06:55:10
End at: 2019-06-28 06:55:40
Local clock offset: -0.468 ms
Remote clock offset: -5.216 ms

Below is generated by plot.py at 2019-06-28 08:19:55
Datalink statistics
-- Total of 1 flow:
Average throughput: 74.17 Mbit/s
95th percentile per-packet one-way delay: 23.878 ms
Loss rate: 0.12%
-- Flow 1:
Average throughput: 74.17 Mbit/s
95th percentile per-packet one-way delay: 23.878 ms
Loss rate: 0.12%

Run 3: Report of LEDBAT — Data Link

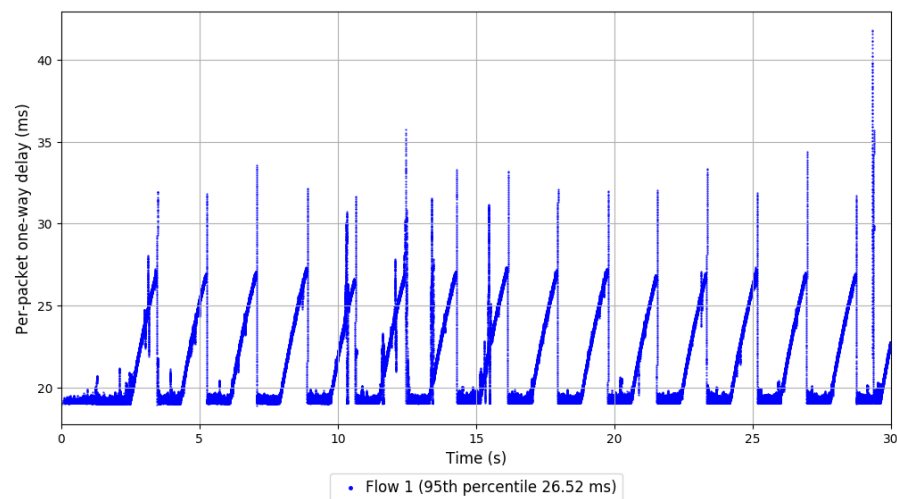
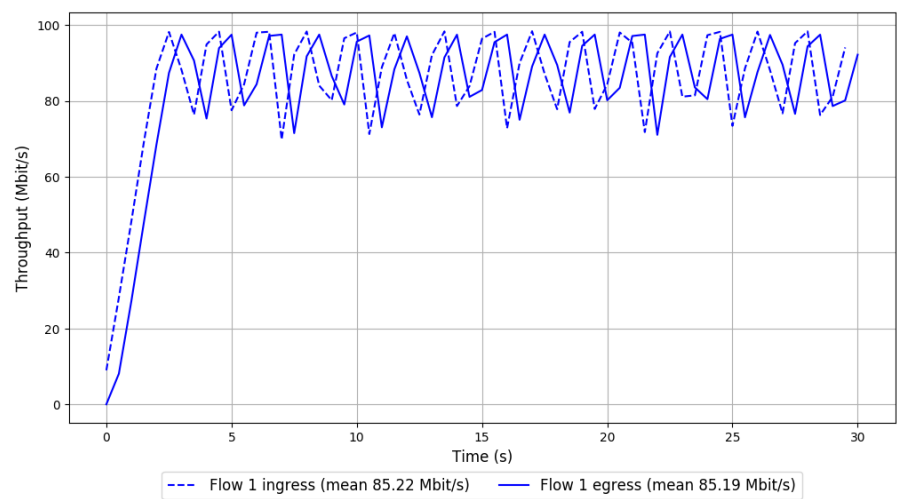


Run 4: Statistics of LEDBAT

Start at: 2019-06-28 07:21:38
End at: 2019-06-28 07:22:09
Local clock offset: -0.79 ms
Remote clock offset: -6.958 ms

Below is generated by plot.py at 2019-06-28 08:20:04
Datalink statistics
-- Total of 1 flow:
Average throughput: 85.19 Mbit/s
95th percentile per-packet one-way delay: 26.523 ms
Loss rate: 0.11%
-- Flow 1:
Average throughput: 85.19 Mbit/s
95th percentile per-packet one-way delay: 26.523 ms
Loss rate: 0.11%

Run 4: Report of LEDBAT — Data Link

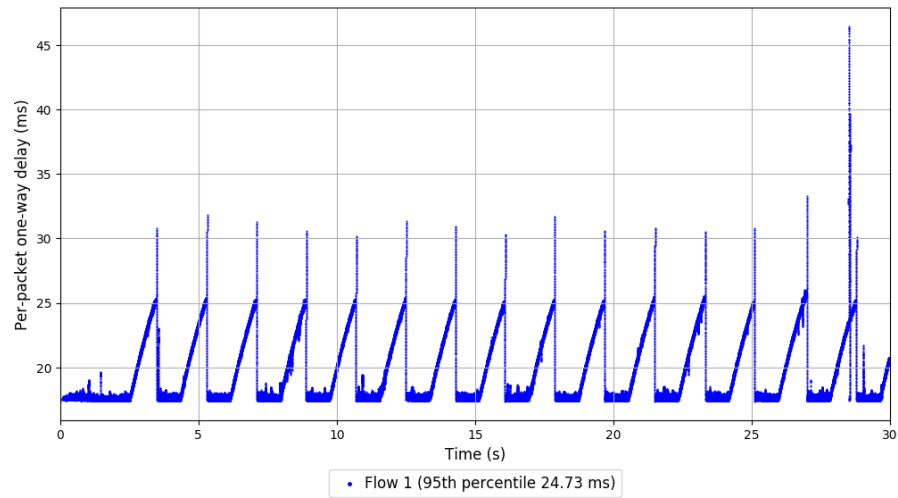
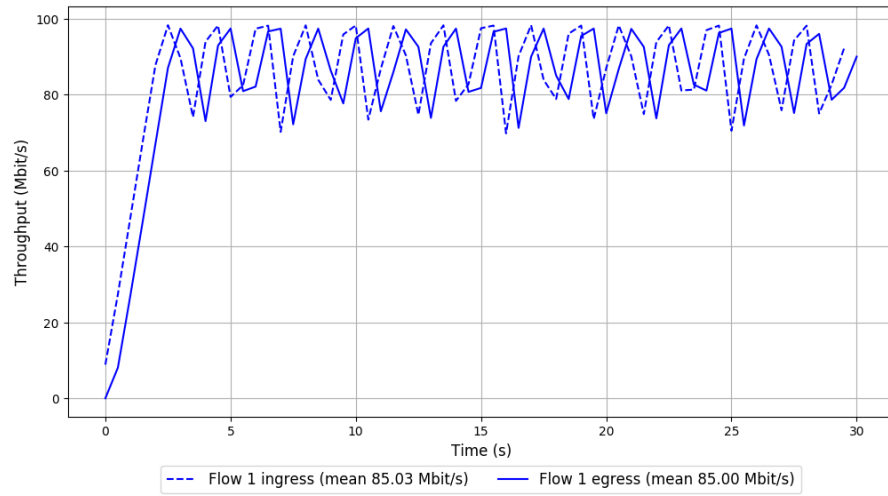


Run 5: Statistics of LEDBAT

Start at: 2019-06-28 07:47:31
End at: 2019-06-28 07:48:01
Local clock offset: -0.533 ms
Remote clock offset: -3.792 ms

Below is generated by plot.py at 2019-06-28 08:20:22
Datalink statistics
-- Total of 1 flow:
Average throughput: 85.00 Mbit/s
95th percentile per-packet one-way delay: 24.726 ms
Loss rate: 0.11%
-- Flow 1:
Average throughput: 85.00 Mbit/s
95th percentile per-packet one-way delay: 24.726 ms
Loss rate: 0.11%

Run 5: Report of LEDBAT — Data Link

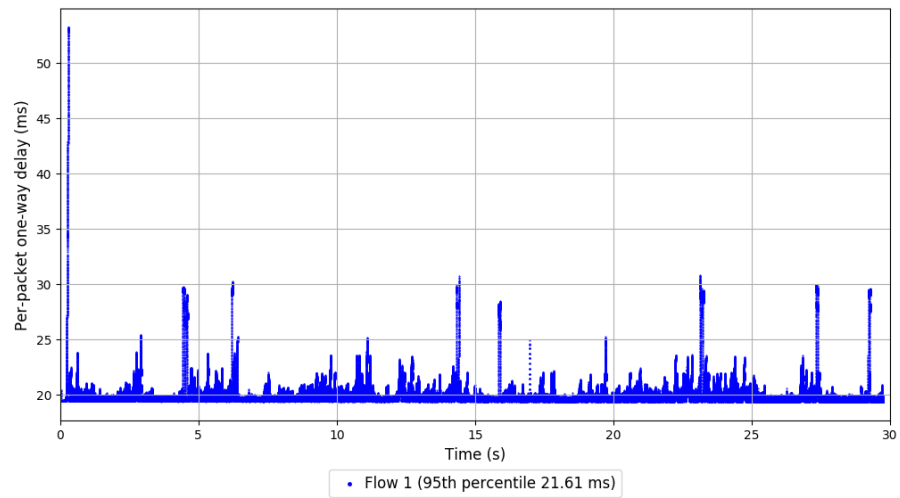
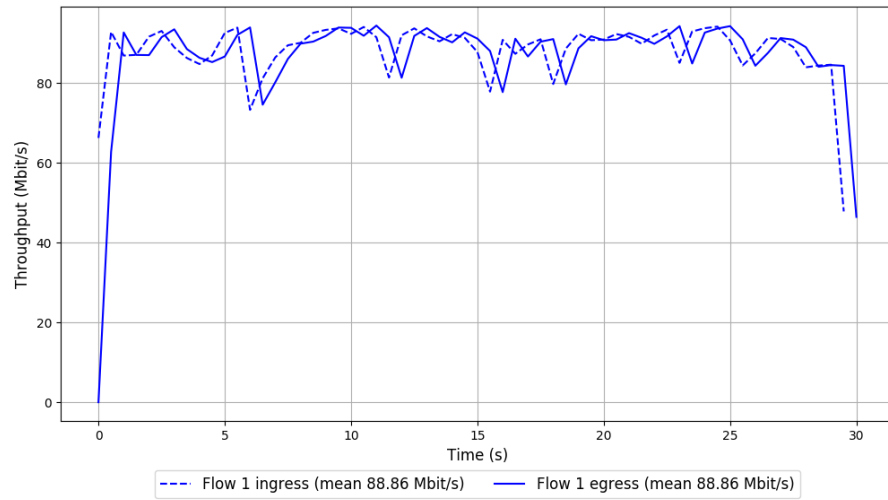


Run 1: Statistics of Muses_DecisionTree

Start at: 2019-06-28 06:15:12
End at: 2019-06-28 06:15:42
Local clock offset: -0.292 ms
Remote clock offset: -8.673 ms

Below is generated by plot.py at 2019-06-28 08:20:33
Datalink statistics
-- Total of 1 flow:
Average throughput: 88.86 Mbit/s
95th percentile per-packet one-way delay: 21.614 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 88.86 Mbit/s
95th percentile per-packet one-way delay: 21.614 ms
Loss rate: 0.09%

Run 1: Report of Muses_DecisionTree — Data Link

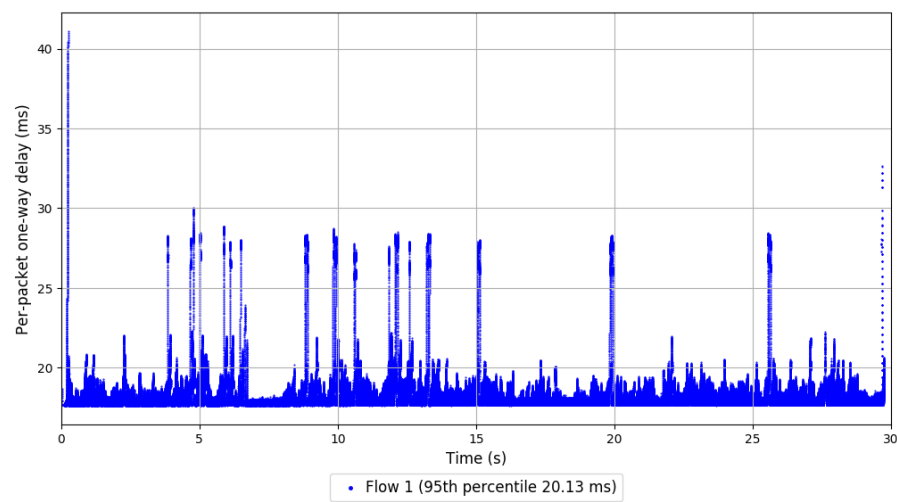
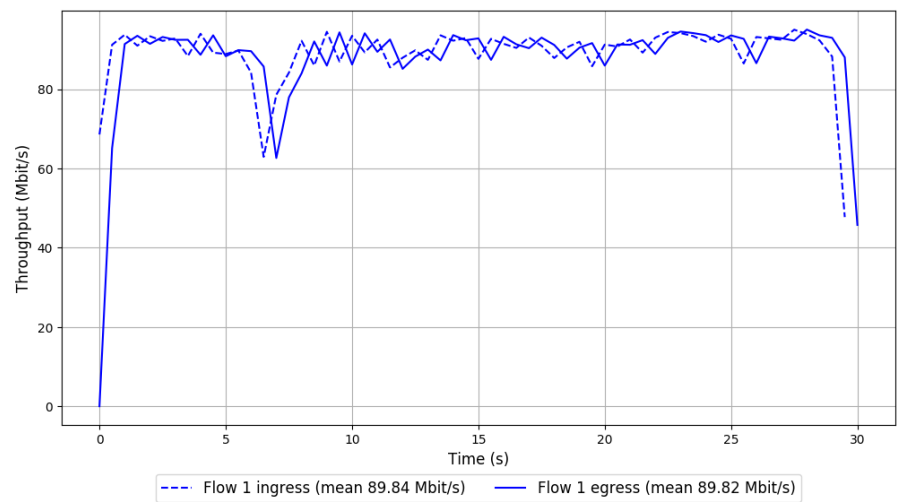


Run 2: Statistics of Muses_DecisionTree

Start at: 2019-06-28 06:42:16
End at: 2019-06-28 06:42:46
Local clock offset: -1.136 ms
Remote clock offset: -7.175 ms

Below is generated by plot.py at 2019-06-28 08:20:35
Datalink statistics
-- Total of 1 flow:
Average throughput: 89.82 Mbit/s
95th percentile per-packet one-way delay: 20.129 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 89.82 Mbit/s
95th percentile per-packet one-way delay: 20.129 ms
Loss rate: 0.10%

Run 2: Report of Muses_DecisionTree — Data Link



Run 3: Statistics of Muses_DecisionTree

Start at: 2019-06-28 07:08:25

End at: 2019-06-28 07:08:55

Local clock offset: -0.557 ms

Remote clock offset: -5.29 ms

Below is generated by plot.py at 2019-06-28 08:20:37

Datalink statistics

-- Total of 1 flow:

Average throughput: 90.87 Mbit/s

95th percentile per-packet one-way delay: 19.488 ms

Loss rate: 0.10%

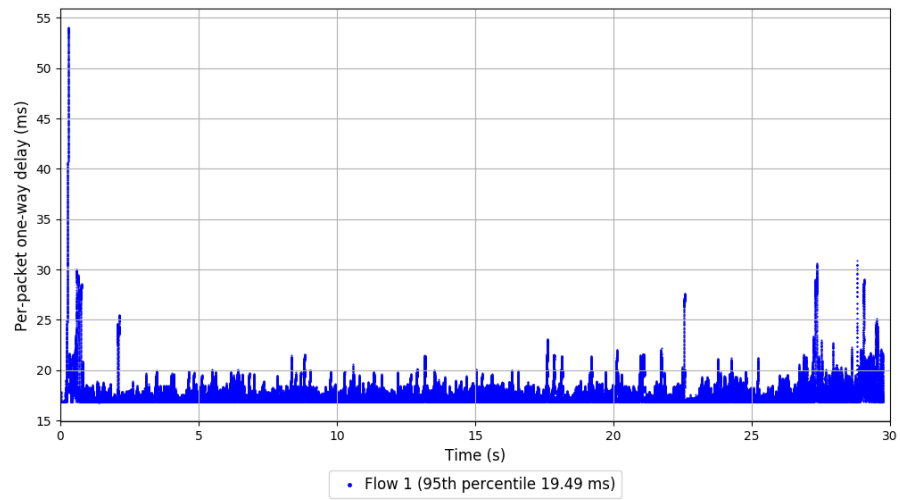
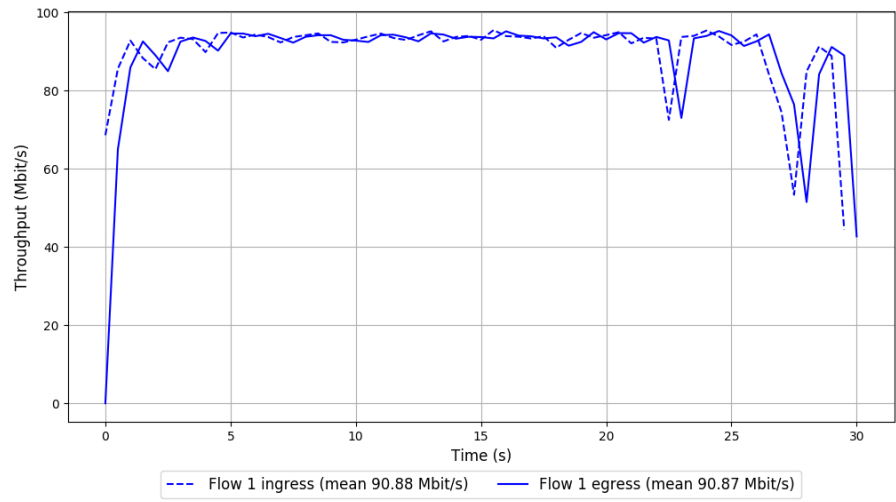
-- Flow 1:

Average throughput: 90.87 Mbit/s

95th percentile per-packet one-way delay: 19.488 ms

Loss rate: 0.10%

Run 3: Report of Muses_DecisionTree — Data Link

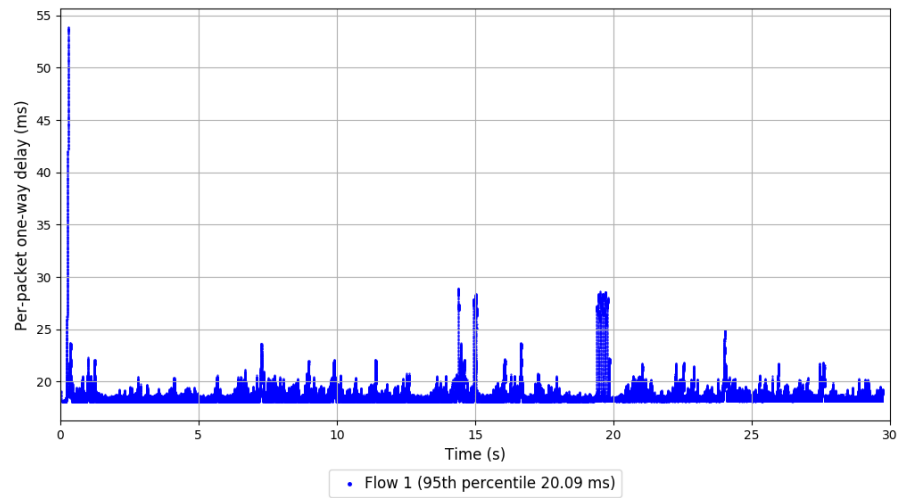
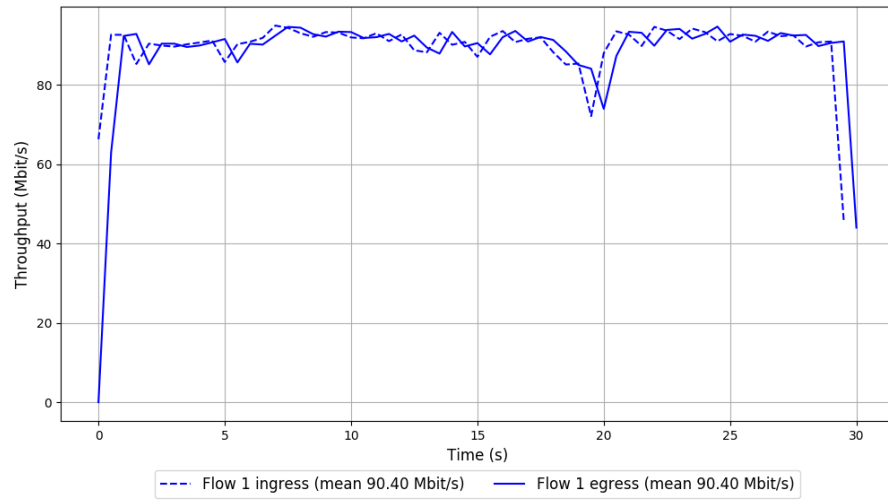


Run 4: Statistics of Muses_DecisionTree

Start at: 2019-06-28 07:34:35
End at: 2019-06-28 07:35:05
Local clock offset: -1.331 ms
Remote clock offset: -5.783 ms

Below is generated by plot.py at 2019-06-28 08:20:44
Datalink statistics
-- Total of 1 flow:
Average throughput: 90.40 Mbit/s
95th percentile per-packet one-way delay: 20.093 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 90.40 Mbit/s
95th percentile per-packet one-way delay: 20.093 ms
Loss rate: 0.10%

Run 4: Report of Muses_DecisionTree — Data Link

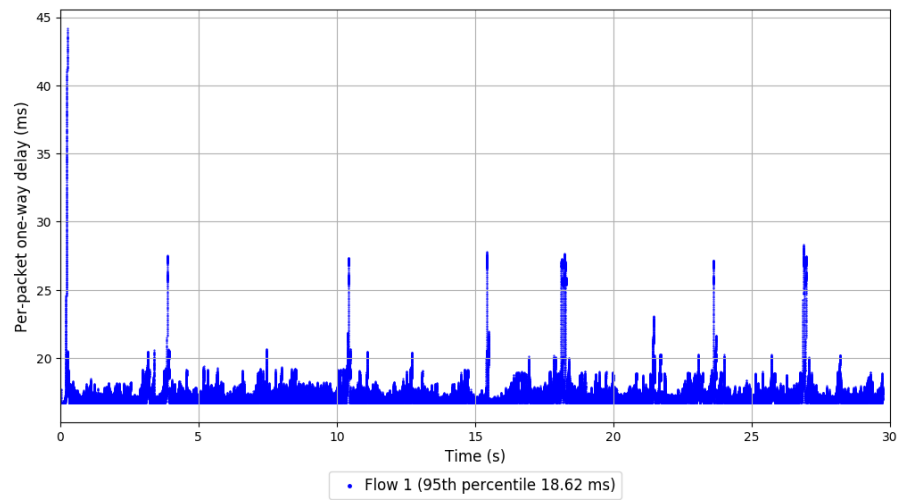
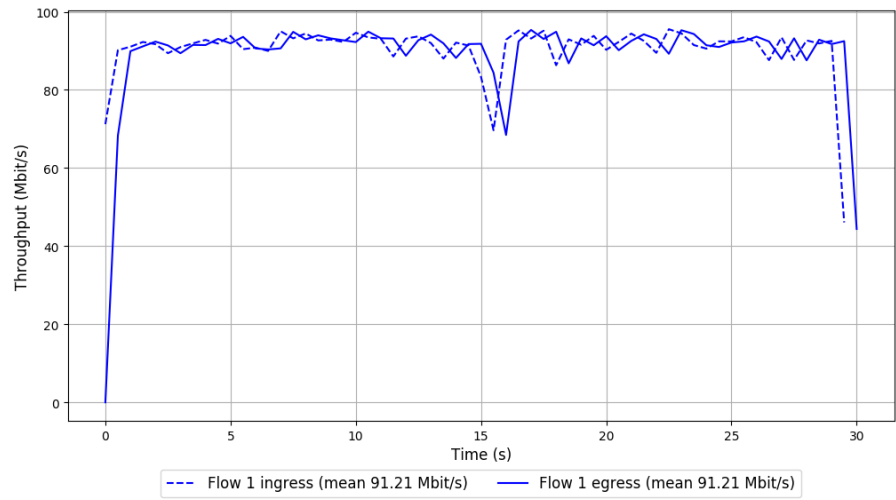


Run 5: Statistics of Muses_DecisionTree

Start at: 2019-06-28 08:00:12
End at: 2019-06-28 08:00:42
Local clock offset: -0.783 ms
Remote clock offset: -3.375 ms

Below is generated by plot.py at 2019-06-28 08:21:01
Datalink statistics
-- Total of 1 flow:
Average throughput: 91.21 Mbit/s
95th percentile per-packet one-way delay: 18.624 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 91.21 Mbit/s
95th percentile per-packet one-way delay: 18.624 ms
Loss rate: 0.09%

Run 5: Report of Muses_DecisionTree — Data Link

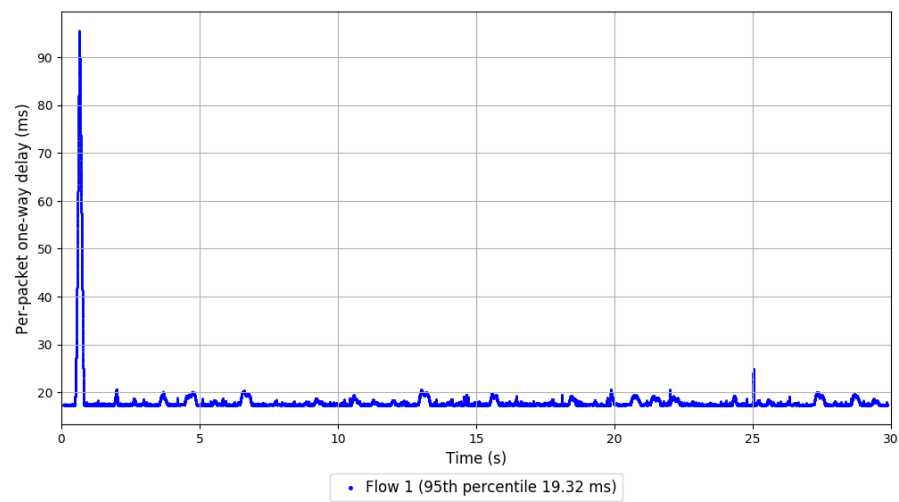
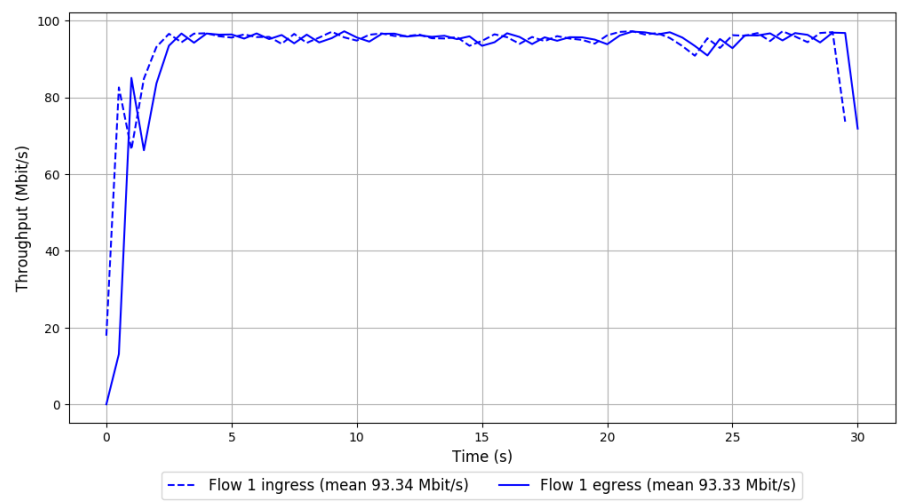


```
Run 1: Statistics of PCC-Allegro

Start at: 2019-06-28 05:58:27
End at: 2019-06-28 05:58:57
Local clock offset: -0.262 ms
Remote clock offset: -6.191 ms

# Below is generated by plot.py at 2019-06-28 08:21:06
# Datalink statistics
-- Total of 1 flow:
Average throughput: 93.33 Mbit/s
95th percentile per-packet one-way delay: 19.324 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 93.33 Mbit/s
95th percentile per-packet one-way delay: 19.324 ms
Loss rate: 0.10%
```

Run 1: Report of PCC-Allegro — Data Link



Run 2: Statistics of PCC-Allegro

Start at: 2019-06-28 06:24:52

End at: 2019-06-28 06:25:22

Local clock offset: -0.069 ms

Remote clock offset: -7.66 ms

Below is generated by plot.py at 2019-06-28 08:21:13

Datalink statistics

-- Total of 1 flow:

Average throughput: 88.91 Mbit/s

95th percentile per-packet one-way delay: 21.394 ms

Loss rate: 0.11%

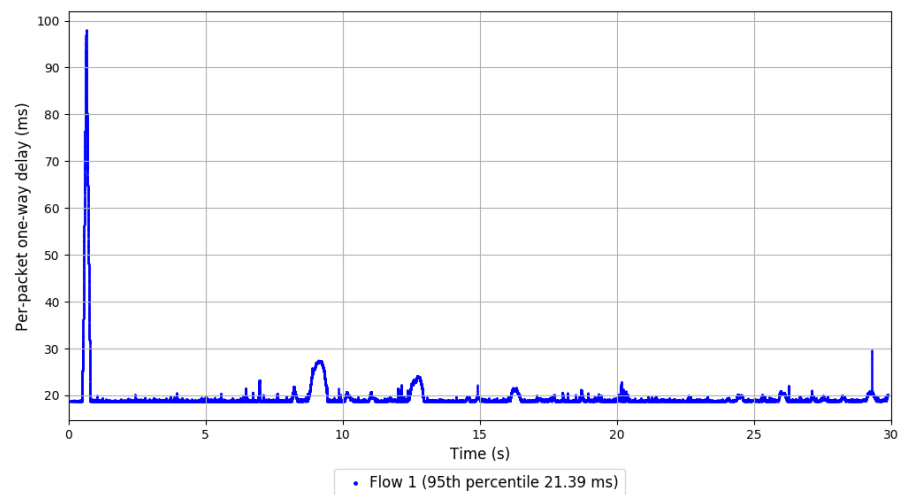
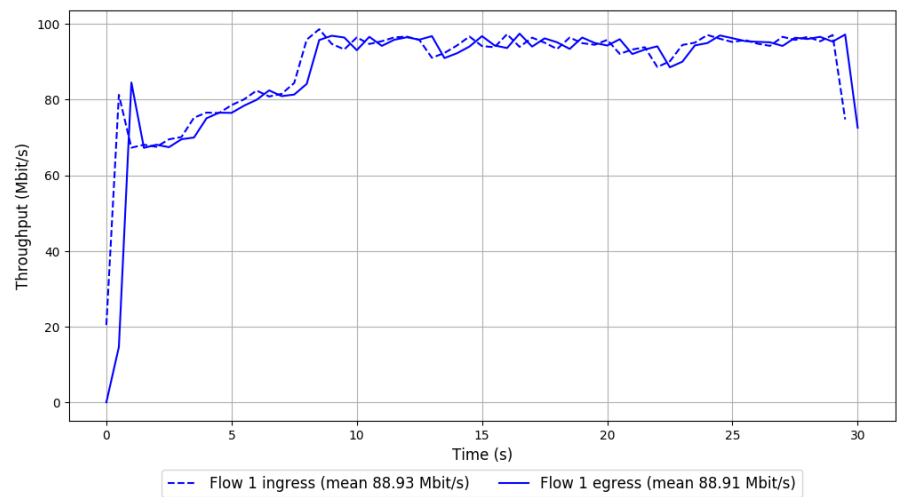
-- Flow 1:

Average throughput: 88.91 Mbit/s

95th percentile per-packet one-way delay: 21.394 ms

Loss rate: 0.11%

Run 2: Report of PCC-Allegro — Data Link



Run 3: Statistics of PCC-Allegro

Start at: 2019-06-28 06:51:39

End at: 2019-06-28 06:52:09

Local clock offset: -0.612 ms

Remote clock offset: -7.12 ms

Below is generated by plot.py at 2019-06-28 08:21:29

Datalink statistics

-- Total of 1 flow:

Average throughput: 90.32 Mbit/s

95th percentile per-packet one-way delay: 19.881 ms

Loss rate: 0.11%

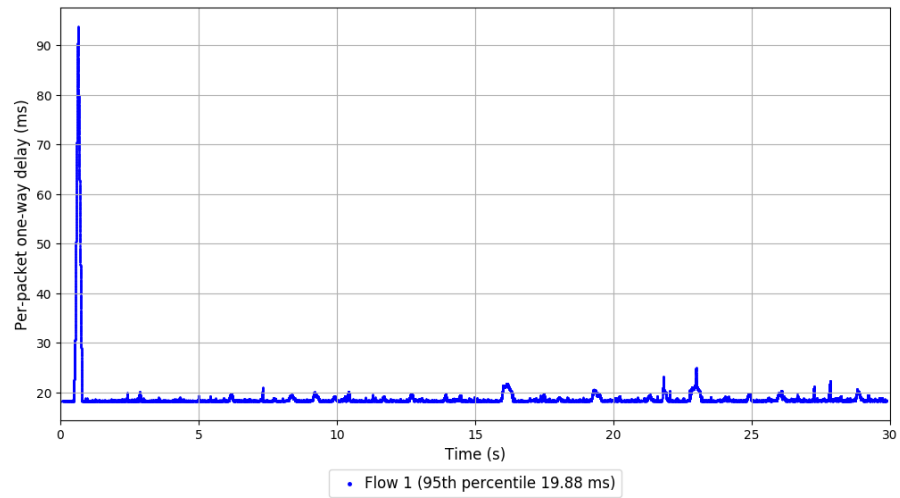
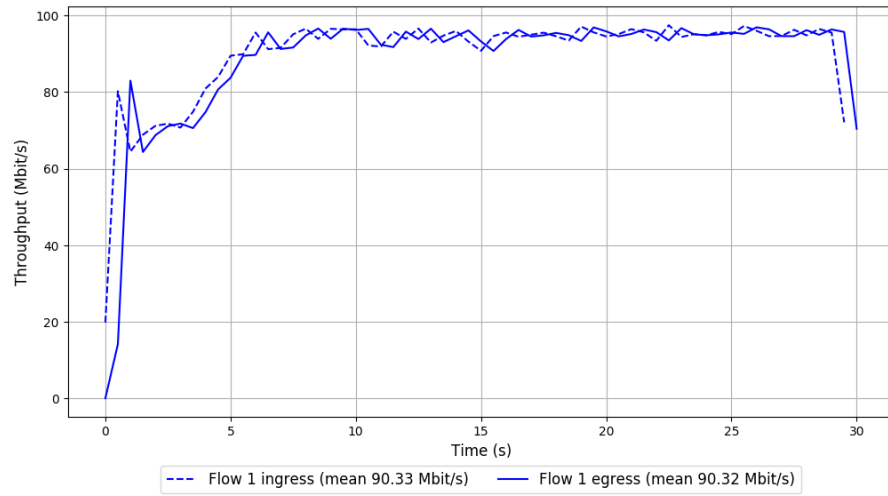
-- Flow 1:

Average throughput: 90.32 Mbit/s

95th percentile per-packet one-way delay: 19.881 ms

Loss rate: 0.11%

Run 3: Report of PCC-Allegro — Data Link



Run 4: Statistics of PCC-Allegro

Start at: 2019-06-28 07:18:02

End at: 2019-06-28 07:18:32

Local clock offset: -0.205 ms

Remote clock offset: -5.379 ms

Below is generated by plot.py at 2019-06-28 08:21:39

Datalink statistics

-- Total of 1 flow:

Average throughput: 92.75 Mbit/s

95th percentile per-packet one-way delay: 19.532 ms

Loss rate: 0.10%

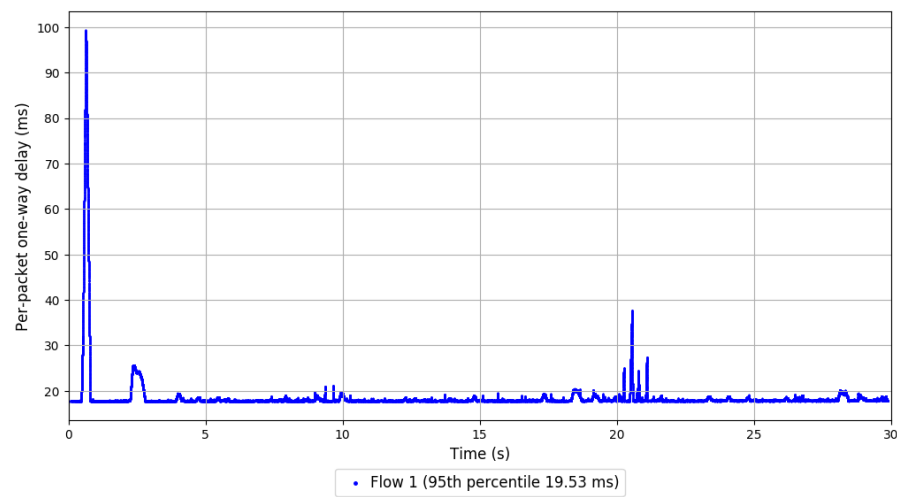
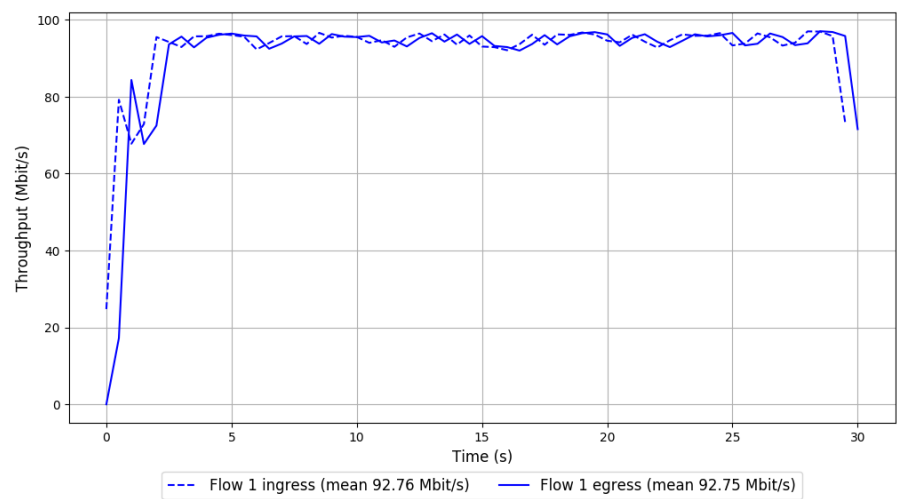
-- Flow 1:

Average throughput: 92.75 Mbit/s

95th percentile per-packet one-way delay: 19.532 ms

Loss rate: 0.10%

Run 4: Report of PCC-Allegro — Data Link



Run 5: Statistics of PCC-Allegro

Start at: 2019-06-28 07:43:57

End at: 2019-06-28 07:44:27

Local clock offset: -1.224 ms

Remote clock offset: -3.531 ms

Below is generated by plot.py at 2019-06-28 08:21:42

Datalink statistics

-- Total of 1 flow:

Average throughput: 92.58 Mbit/s

95th percentile per-packet one-way delay: 19.098 ms

Loss rate: 0.10%

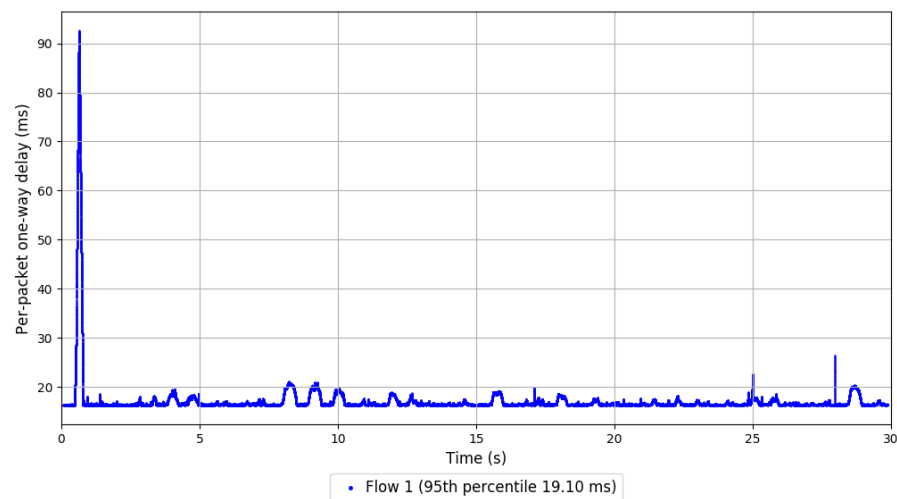
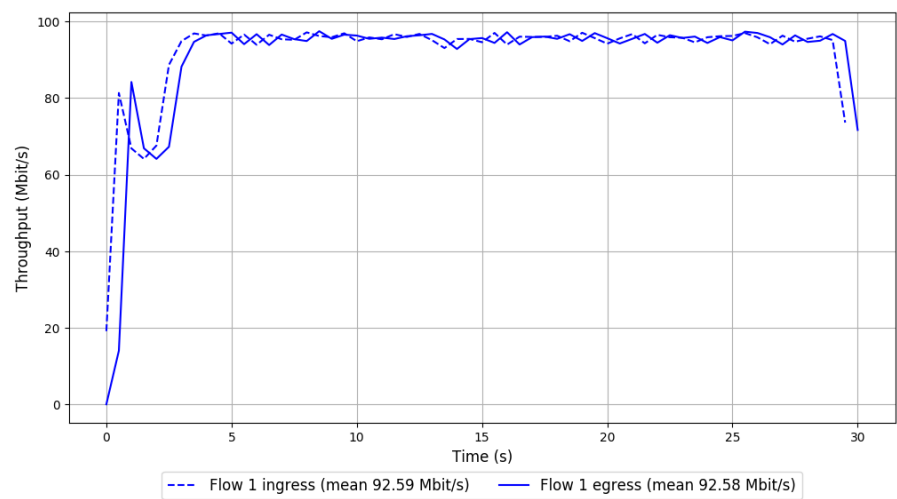
-- Flow 1:

Average throughput: 92.58 Mbit/s

95th percentile per-packet one-way delay: 19.098 ms

Loss rate: 0.10%

Run 5: Report of PCC-Allegro — Data Link



Run 1: Statistics of PCC-Expr

Start at: 2019-06-28 06:06:56

End at: 2019-06-28 06:07:26

Local clock offset: 0.334 ms

Remote clock offset: -8.175 ms

Below is generated by plot.py at 2019-06-28 08:22:38

Datalink statistics

-- Total of 1 flow:

Average throughput: 85.84 Mbit/s

95th percentile per-packet one-way delay: 110.954 ms

Loss rate: 0.15%

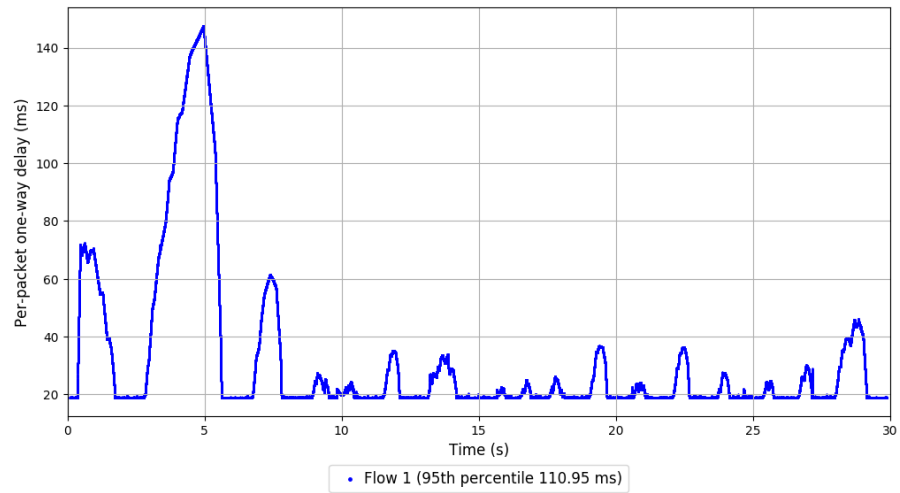
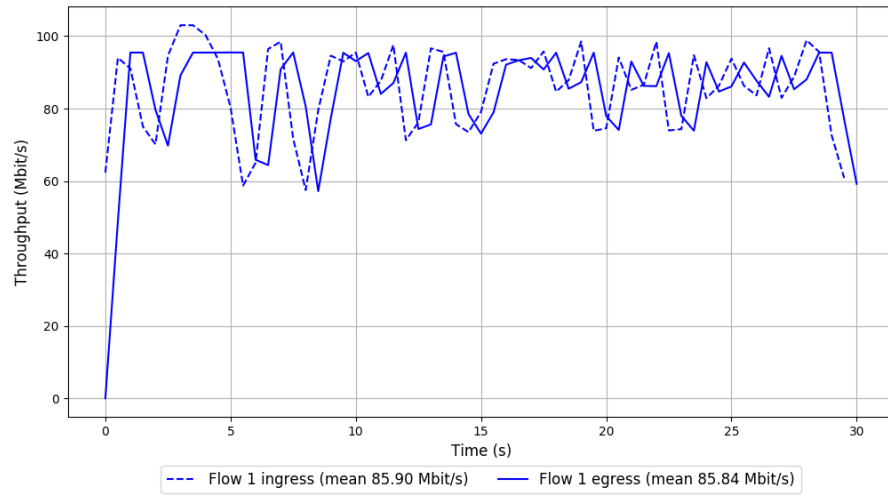
-- Flow 1:

Average throughput: 85.84 Mbit/s

95th percentile per-packet one-way delay: 110.954 ms

Loss rate: 0.15%

Run 1: Report of PCC-Expr — Data Link

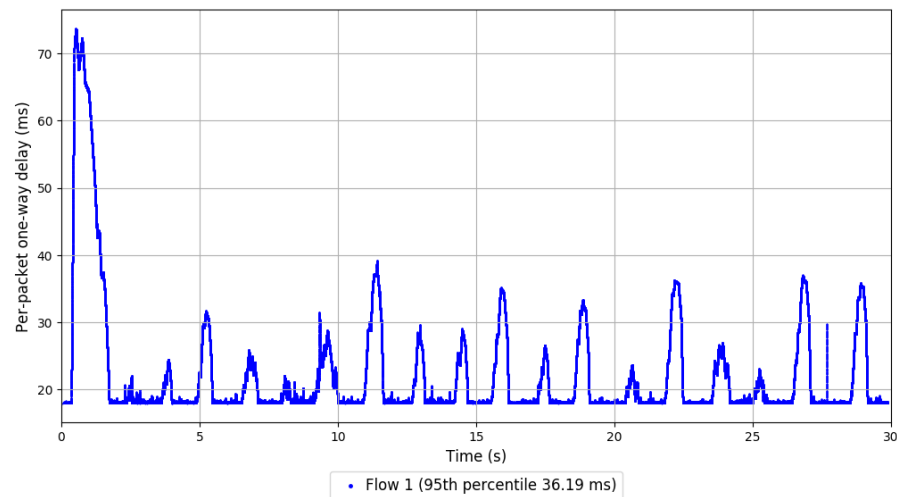
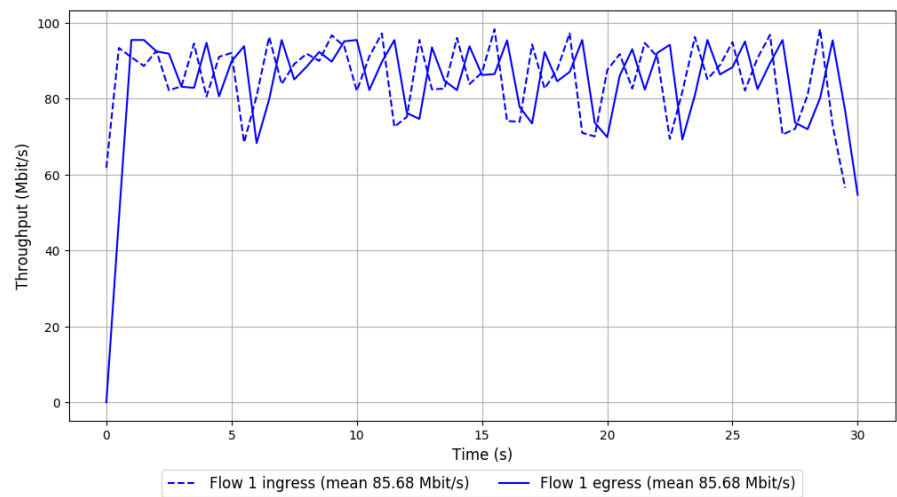


Run 2: Statistics of PCC-Expr

Start at: 2019-06-28 06:33:41
End at: 2019-06-28 06:34:11
Local clock offset: -0.908 ms
Remote clock offset: -7.727 ms

Below is generated by plot.py at 2019-06-28 08:22:46
Datalink statistics
-- Total of 1 flow:
Average throughput: 85.68 Mbit/s
95th percentile per-packet one-way delay: 36.188 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 85.68 Mbit/s
95th percentile per-packet one-way delay: 36.188 ms
Loss rate: 0.10%

Run 2: Report of PCC-Expr — Data Link

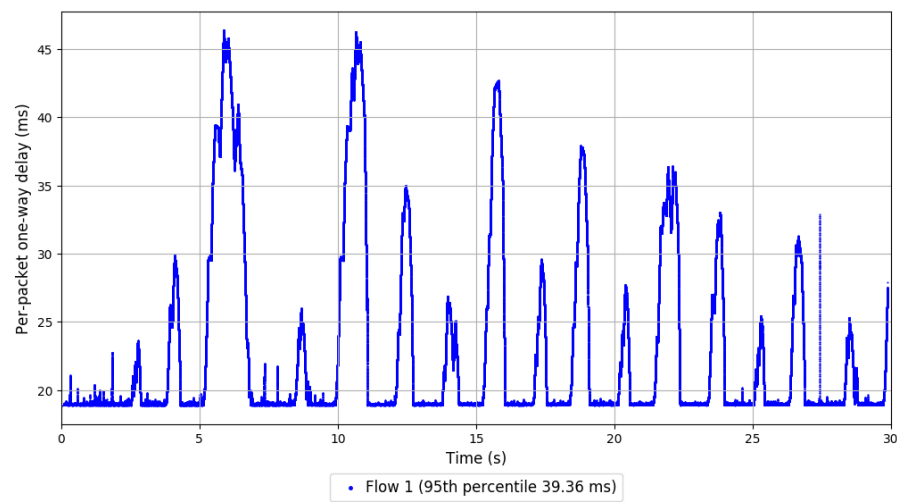
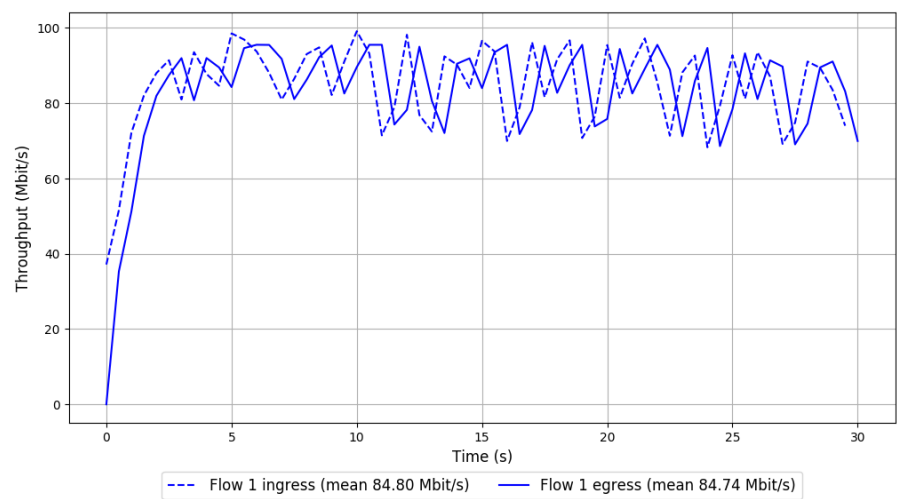


Run 3: Statistics of PCC-Expr

Start at: 2019-06-28 06:59:59
End at: 2019-06-28 07:00:29
Local clock offset: -0.503 ms
Remote clock offset: -7.489 ms

Below is generated by plot.py at 2019-06-28 08:23:03
Datalink statistics
-- Total of 1 flow:
Average throughput: 84.74 Mbit/s
95th percentile per-packet one-way delay: 39.362 ms
Loss rate: 0.17%
-- Flow 1:
Average throughput: 84.74 Mbit/s
95th percentile per-packet one-way delay: 39.362 ms
Loss rate: 0.17%

Run 3: Report of PCC-Expr — Data Link

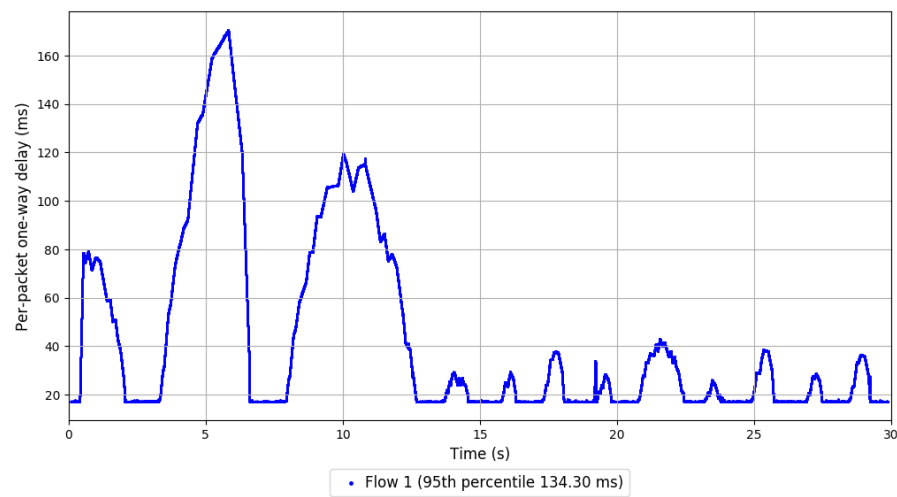
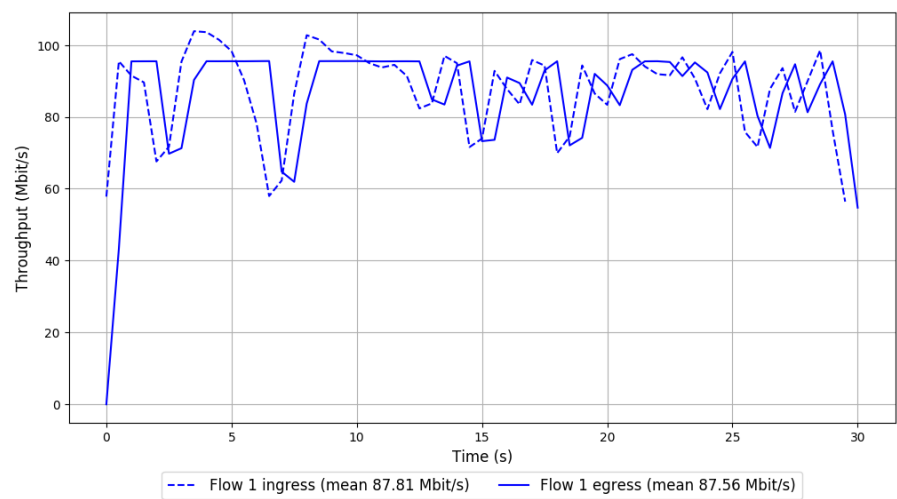


Run 4: Statistics of PCC-Expr

Start at: 2019-06-28 07:26:25
End at: 2019-06-28 07:26:55
Local clock offset: -0.938 ms
Remote clock offset: -4.916 ms

Below is generated by plot.py at 2019-06-28 08:23:11
Datalink statistics
-- Total of 1 flow:
Average throughput: 87.56 Mbit/s
95th percentile per-packet one-way delay: 134.300 ms
Loss rate: 0.38%
-- Flow 1:
Average throughput: 87.56 Mbit/s
95th percentile per-packet one-way delay: 134.300 ms
Loss rate: 0.38%

Run 4: Report of PCC-Expr — Data Link

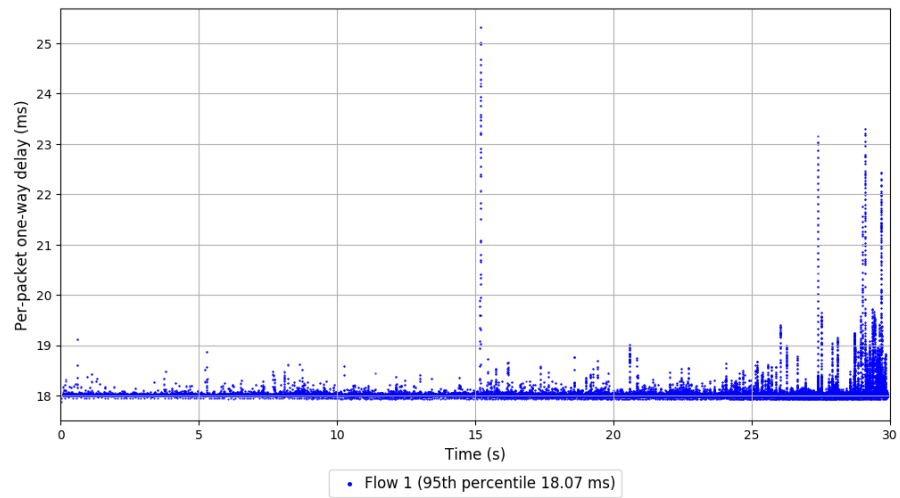
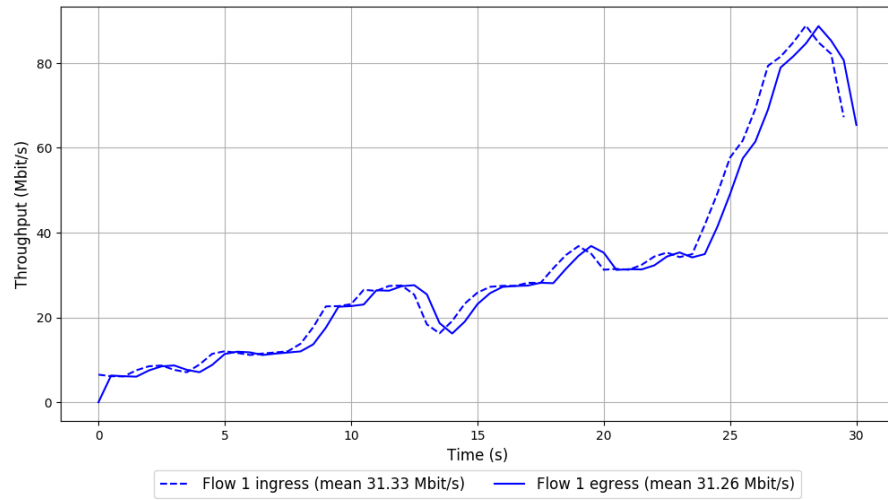


Run 5: Statistics of PCC-Expr

Start at: 2019-06-28 07:52:14
End at: 2019-06-28 07:52:44
Local clock offset: -1.537 ms
Remote clock offset: -5.581 ms

Below is generated by plot.py at 2019-06-28 08:23:11
Datalink statistics
-- Total of 1 flow:
Average throughput: 31.26 Mbit/s
95th percentile per-packet one-way delay: 18.066 ms
Loss rate: 0.33%
-- Flow 1:
Average throughput: 31.26 Mbit/s
95th percentile per-packet one-way delay: 18.066 ms
Loss rate: 0.33%

Run 5: Report of PCC-Expr — Data Link



Run 1: Statistics of QUIC Cubic

Start at: 2019-06-28 06:05:43

End at: 2019-06-28 06:06:13

Local clock offset: -0.955 ms

Remote clock offset: -6.927 ms

Below is generated by plot.py at 2019-06-28 08:23:11

Datalink statistics

-- Total of 1 flow:

Average throughput: 90.43 Mbit/s

95th percentile per-packet one-way delay: 23.320 ms

Loss rate: 0.13%

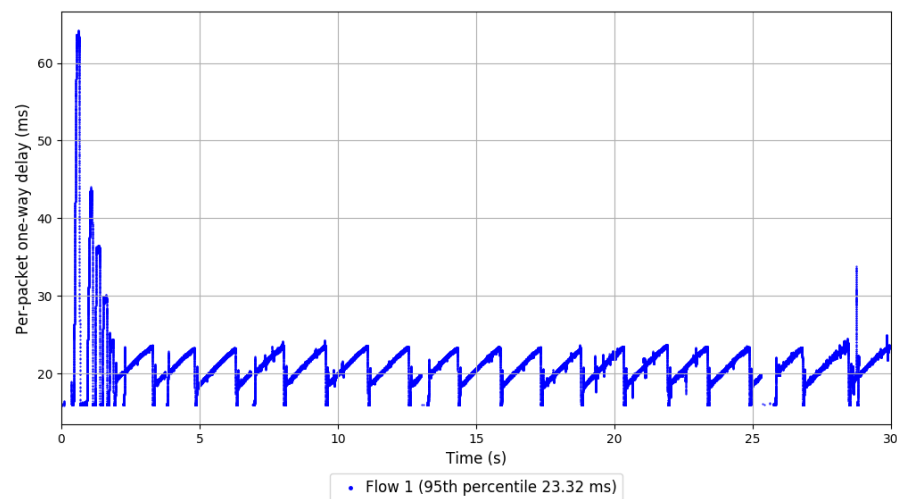
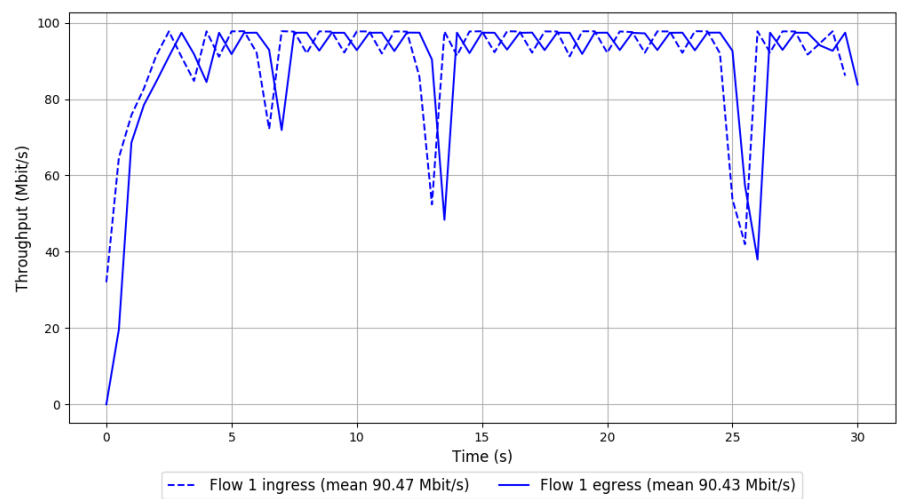
-- Flow 1:

Average throughput: 90.43 Mbit/s

95th percentile per-packet one-way delay: 23.320 ms

Loss rate: 0.13%

Run 1: Report of QUIC Cubic — Data Link



Run 2: Statistics of QUIC Cubic

Start at: 2019-06-28 06:32:28

End at: 2019-06-28 06:32:58

Local clock offset: -1.221 ms

Remote clock offset: -7.455 ms

Below is generated by plot.py at 2019-06-28 08:23:11

Datalink statistics

-- Total of 1 flow:

Average throughput: 91.06 Mbit/s

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

Loss rate: 0.12%

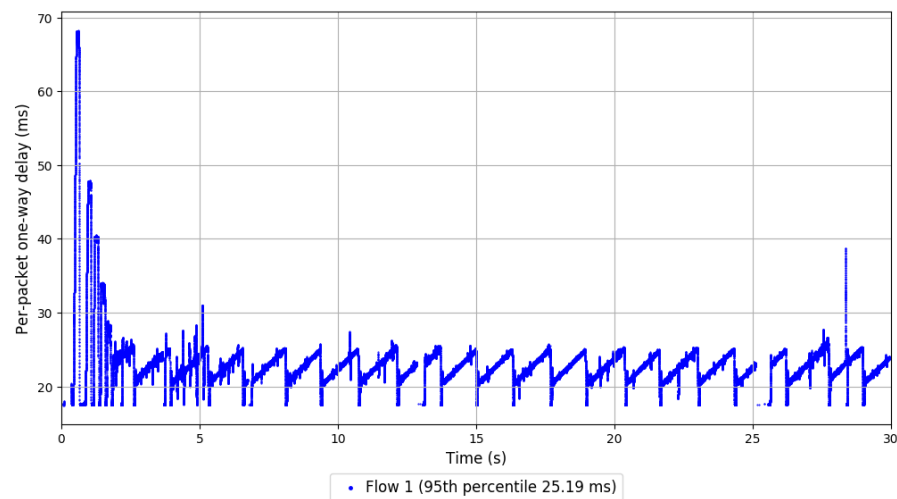
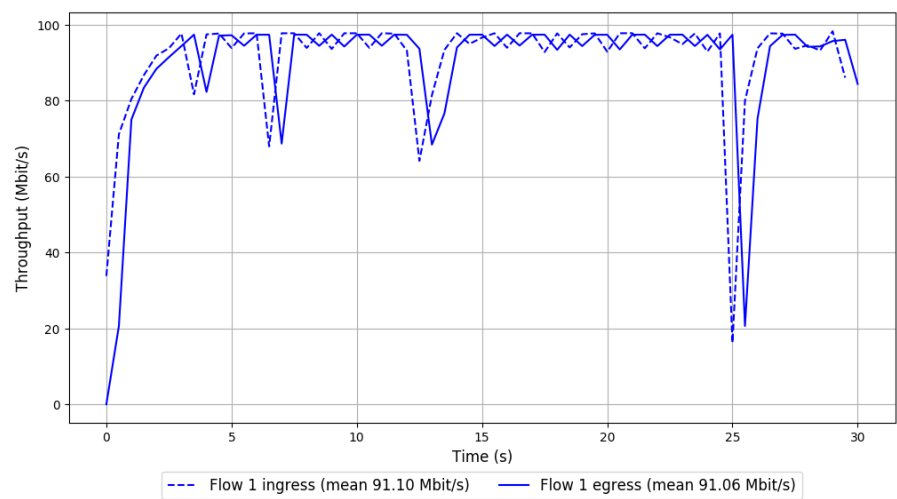
-- Flow 1:

Average throughput: 91.06 Mbit/s

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

Loss rate: 0.12%

Run 2: Report of QUIC Cubic — Data Link



Run 3: Statistics of QUIC Cubic

Start at: 2019-06-28 06:58:46

End at: 2019-06-28 06:59:16

Local clock offset: 0.013 ms

Remote clock offset: -6.978 ms

Below is generated by plot.py at 2019-06-28 08:23:11

Datalink statistics

-- Total of 1 flow:

Average throughput: 90.74 Mbit/s

95th percentile per-packet one-way delay: 26.435 ms

Loss rate: 0.12%

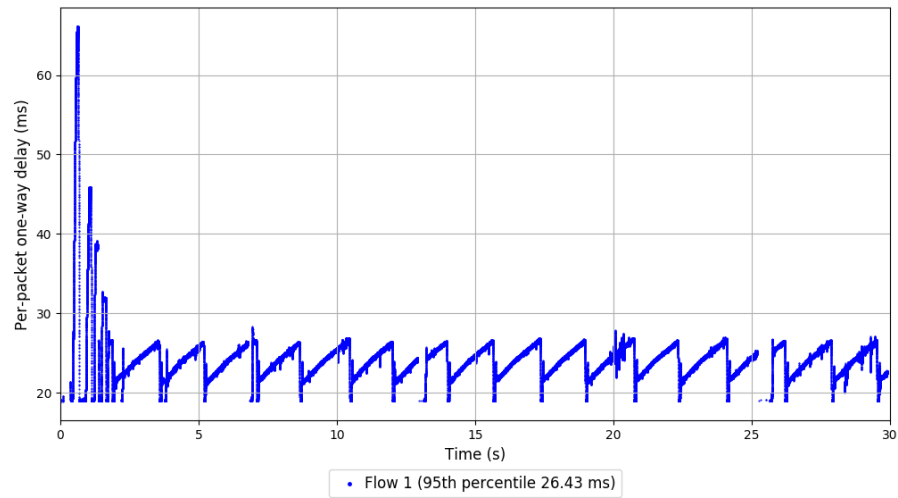
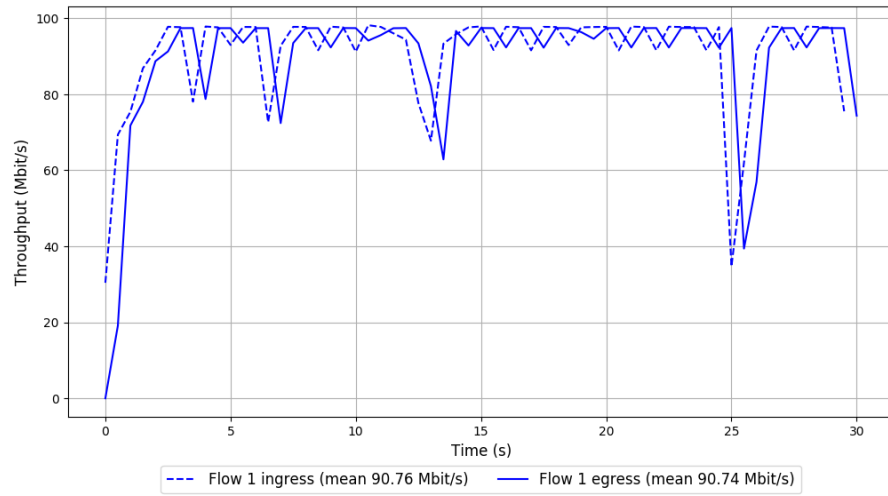
-- Flow 1:

Average throughput: 90.74 Mbit/s

95th percentile per-packet one-way delay: 26.435 ms

Loss rate: 0.12%

Run 3: Report of QUIC Cubic — Data Link



Run 4: Statistics of QUIC Cubic

Start at: 2019-06-28 07:25:16

End at: 2019-06-28 07:25:46

Local clock offset: -1.479 ms

Remote clock offset: -4.662 ms

Below is generated by plot.py at 2019-06-28 08:23:17

Datalink statistics

-- Total of 1 flow:

Average throughput: 90.68 Mbit/s

95th percentile per-packet one-way delay: 24.089 ms

Loss rate: 0.11%

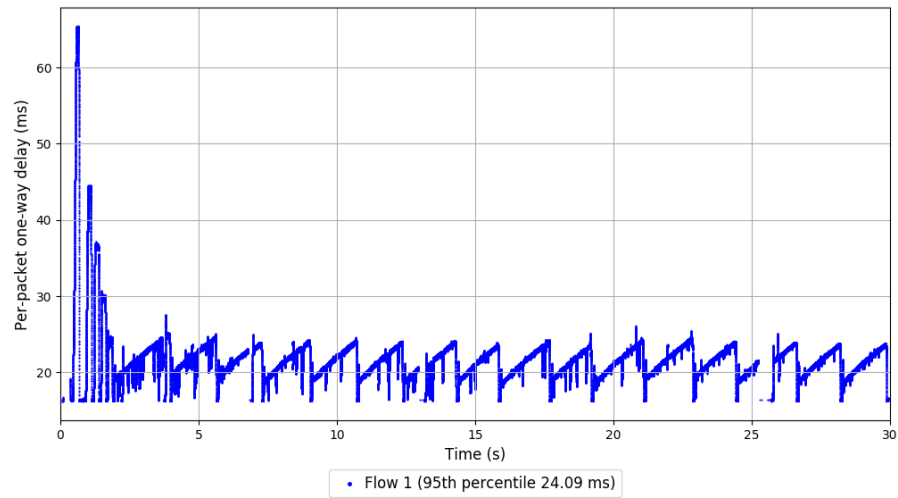
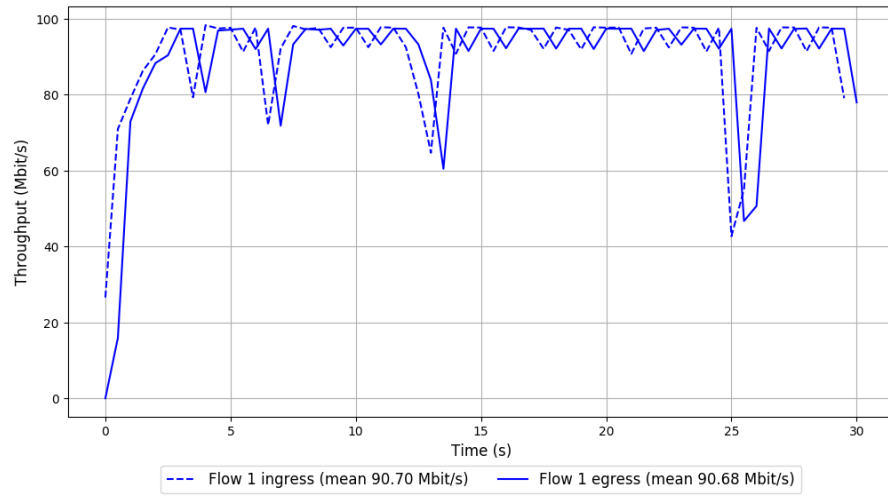
-- Flow 1:

Average throughput: 90.68 Mbit/s

95th percentile per-packet one-way delay: 24.089 ms

Loss rate: 0.11%

Run 4: Report of QUIC Cubic — Data Link

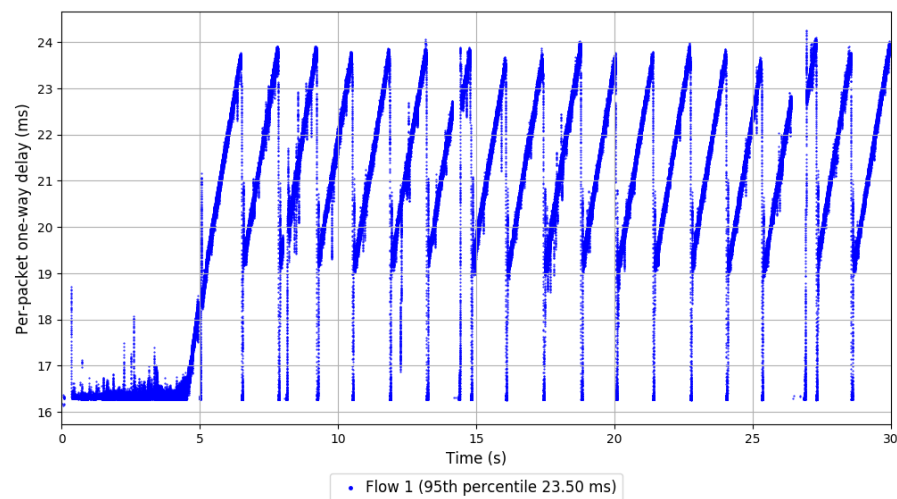
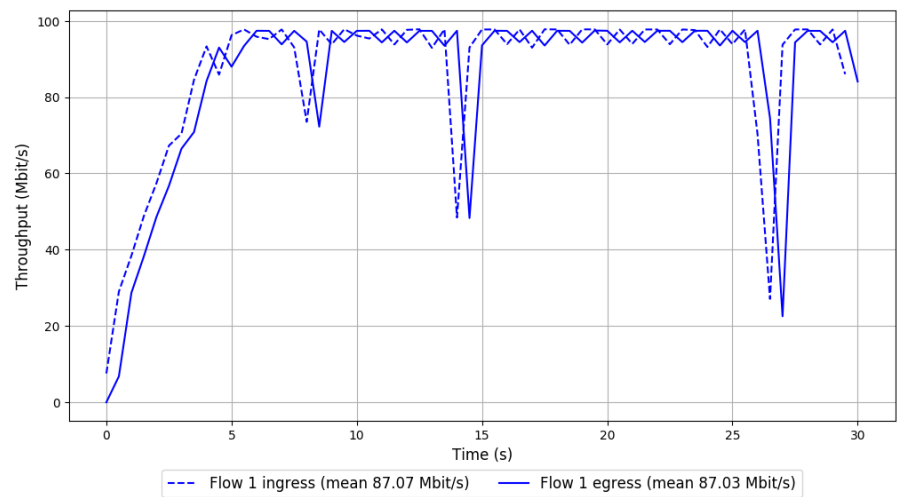


Run 5: Statistics of QUIC Cubic

Start at: 2019-06-28 07:51:05
End at: 2019-06-28 07:51:35
Local clock offset: -1.229 ms
Remote clock offset: -3.412 ms

Below is generated by plot.py at 2019-06-28 08:23:46
Datalink statistics
-- Total of 1 flow:
Average throughput: 87.03 Mbit/s
95th percentile per-packet one-way delay: 23.498 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 87.03 Mbit/s
95th percentile per-packet one-way delay: 23.498 ms
Loss rate: 0.13%

Run 5: Report of QUIC Cubic — Data Link

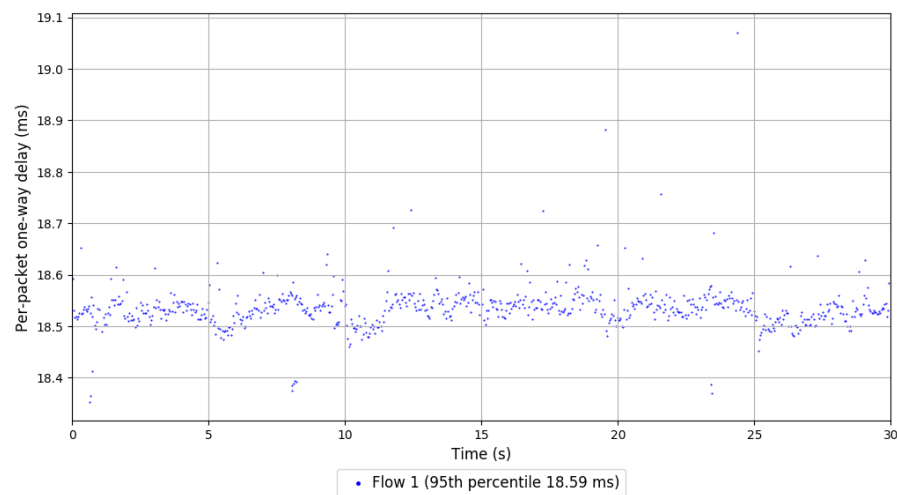
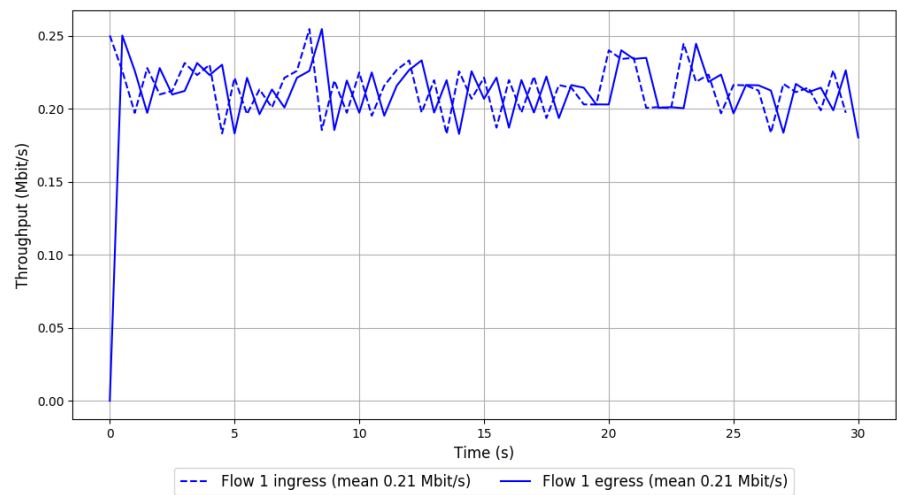


Run 1: Statistics of SCReAM

Start at: 2019-06-28 06:12:56
End at: 2019-06-28 06:13:26
Local clock offset: -0.423 ms
Remote clock offset: -8.631 ms

Below is generated by plot.py at 2019-06-28 08:23:46
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 18.586 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 18.586 ms
Loss rate: 0.13%

Run 1: Report of SReAM — Data Link

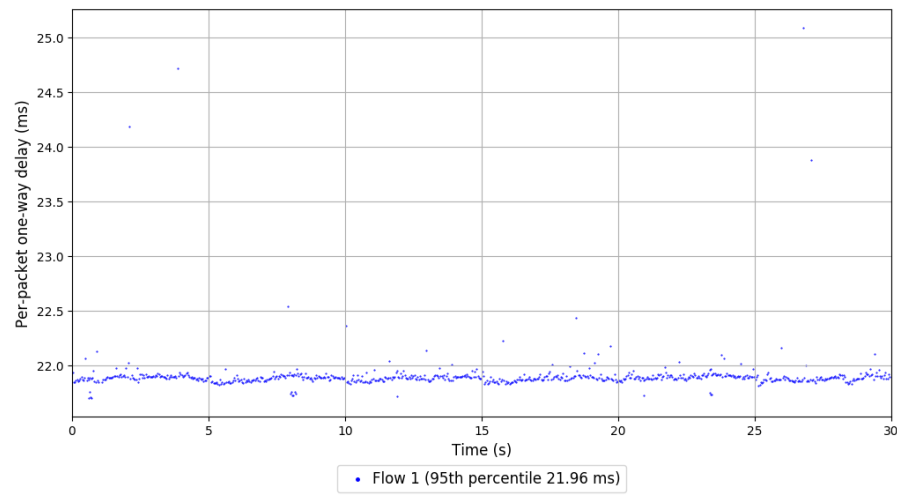
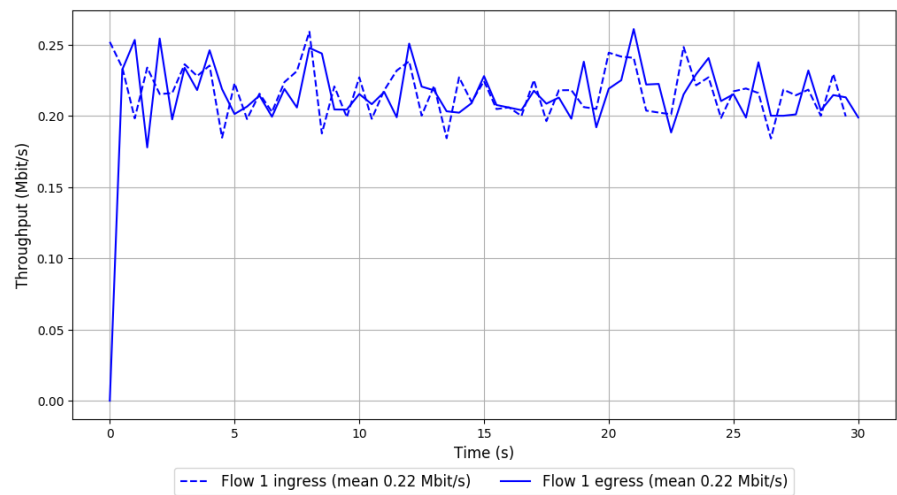


Run 2: Statistics of SCReAM

Start at: 2019-06-28 06:40:00
End at: 2019-06-28 06:40:30
Local clock offset: -0.914 ms
Remote clock offset: -7.959 ms

Below is generated by plot.py at 2019-06-28 08:23:46
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 21.963 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 21.963 ms
Loss rate: 0.13%

Run 2: Report of SReAM — Data Link

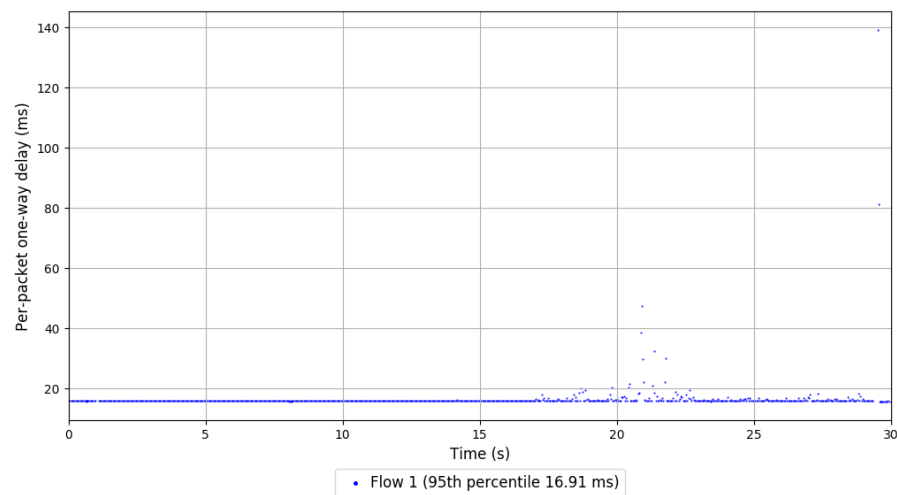
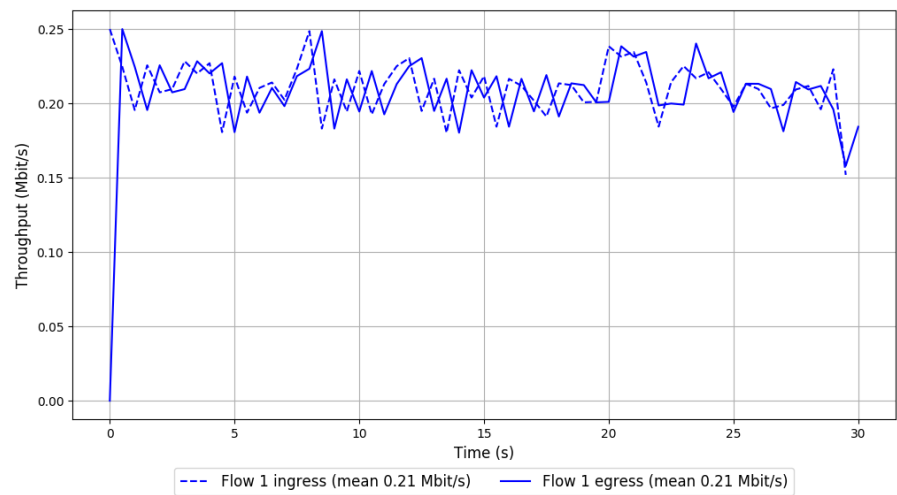


Run 3: Statistics of SCReAM

Start at: 2019-06-28 07:06:08
End at: 2019-06-28 07:06:38
Local clock offset: -1.275 ms
Remote clock offset: -4.768 ms

Below is generated by plot.py at 2019-06-28 08:23:46
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 16.911 ms
Loss rate: 0.26%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 16.911 ms
Loss rate: 0.26%

Run 3: Report of SReAM — Data Link

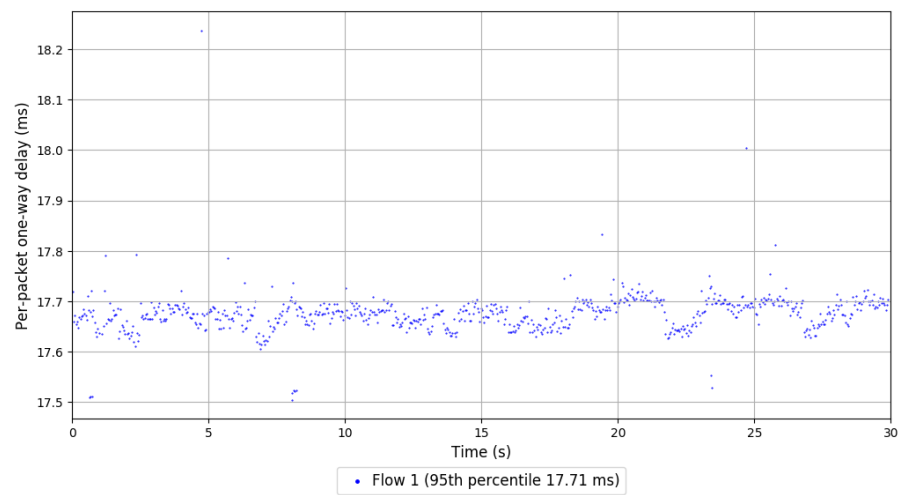
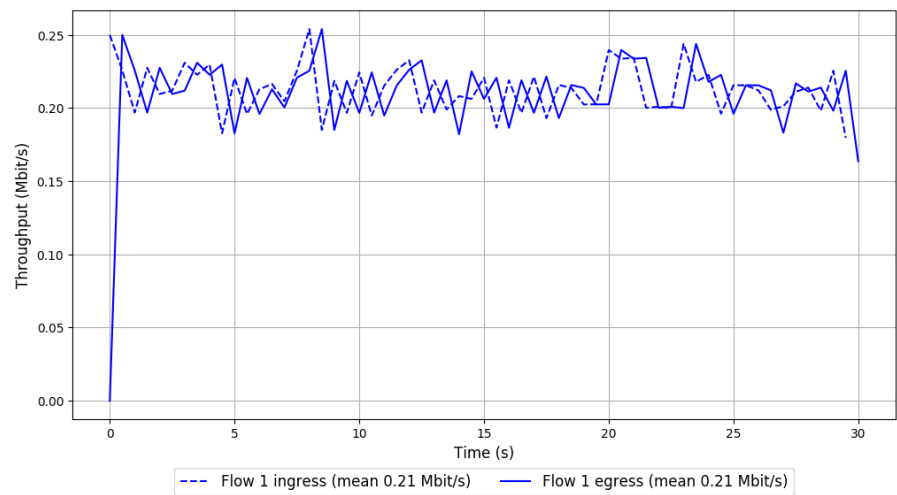


Run 4: Statistics of SCReAM

Start at: 2019-06-28 07:32:14
End at: 2019-06-28 07:32:44
Local clock offset: -0.075 ms
Remote clock offset: -4.194 ms

Below is generated by plot.py at 2019-06-28 08:23:46
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 17.714 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 17.714 ms
Loss rate: 0.13%

Run 4: Report of SReAM — Data Link



Run 5: Statistics of SCReAM

Start at: 2019-06-28 07:57:58

End at: 2019-06-28 07:58:28

Local clock offset: -0.84 ms

Remote clock offset: -3.305 ms

Below is generated by plot.py at 2019-06-28 08:23:46

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 16.598 ms

Loss rate: 0.13%

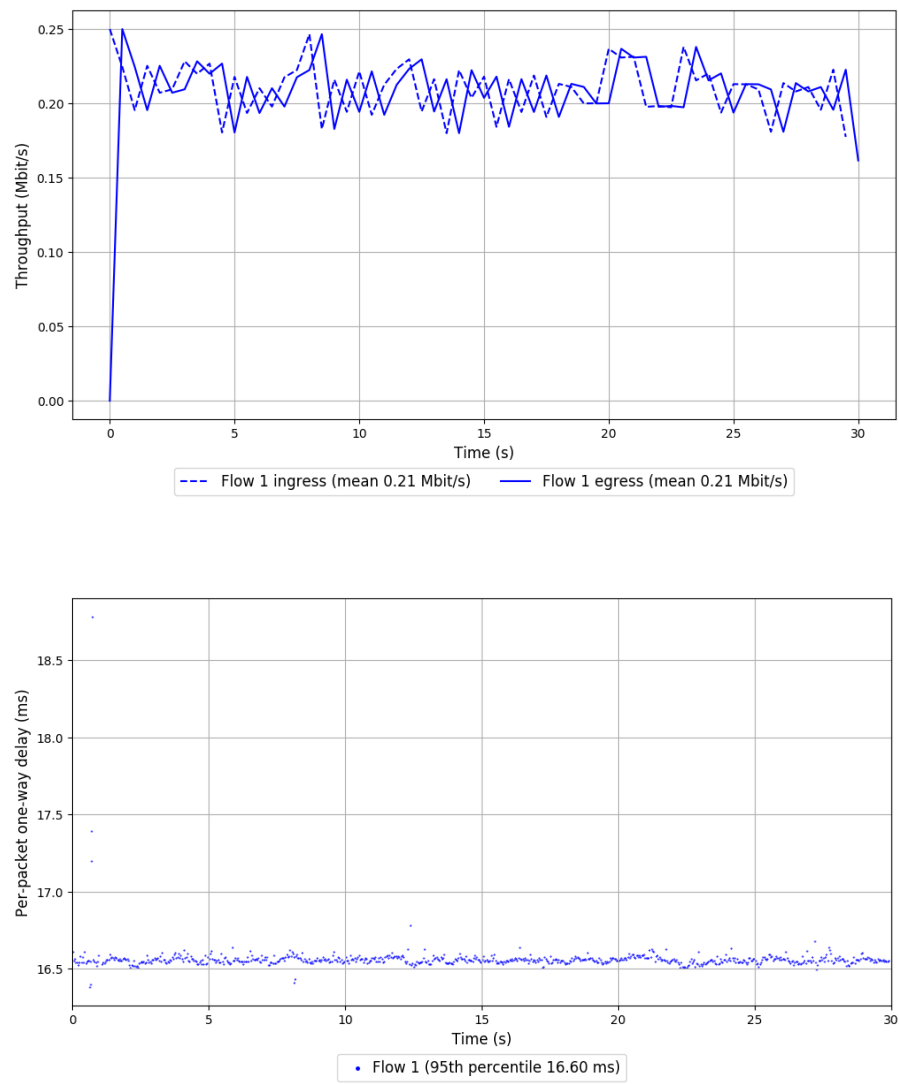
-- Flow 1:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 16.598 ms

Loss rate: 0.13%

Run 5: Report of SReAM — Data Link

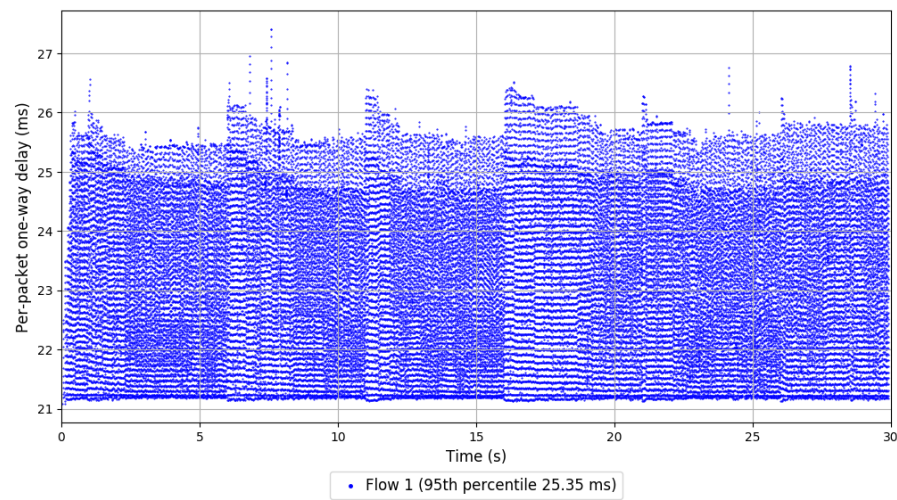
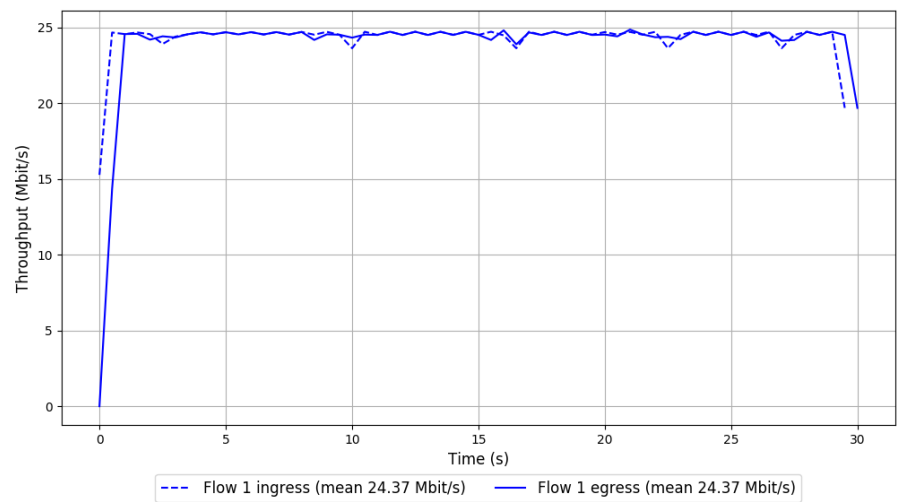


Run 1: Statistics of Sprout

Start at: 2019-06-28 06:08:15
End at: 2019-06-28 06:08:45
Local clock offset: -1.166 ms
Remote clock offset: -7.939 ms

Below is generated by plot.py at 2019-06-28 08:23:46
Datalink statistics
-- Total of 1 flow:
Average throughput: 24.37 Mbit/s
95th percentile per-packet one-way delay: 25.354 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 24.37 Mbit/s
95th percentile per-packet one-way delay: 25.354 ms
Loss rate: 0.07%

Run 1: Report of Sprout — Data Link

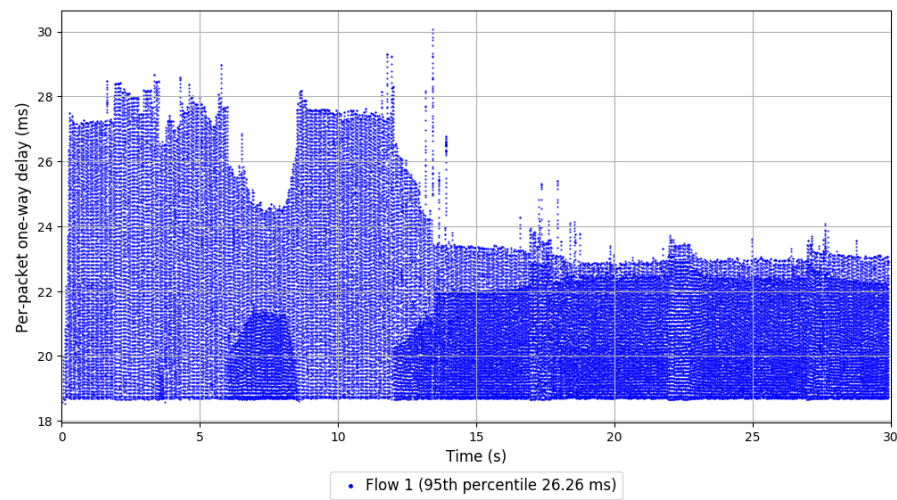
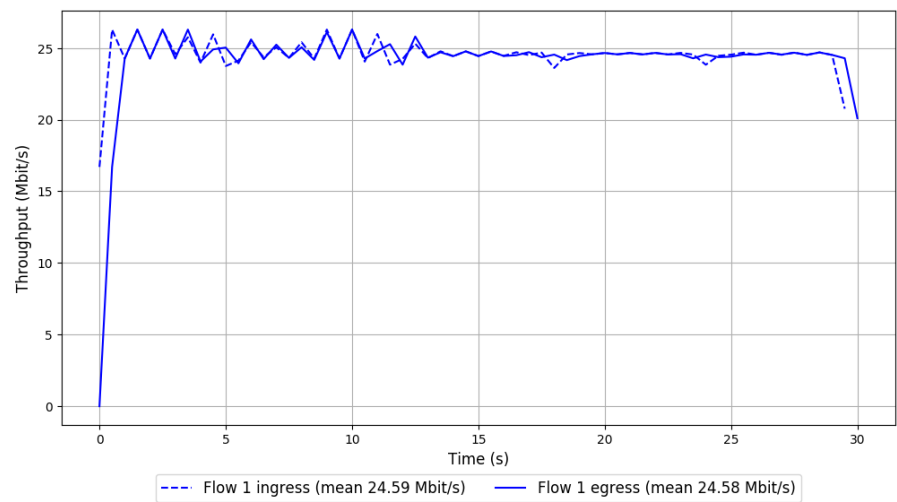


Run 2: Statistics of Sprout

Start at: 2019-06-28 06:34:58
End at: 2019-06-28 06:35:28
Local clock offset: -0.502 ms
Remote clock offset: -7.716 ms

Below is generated by plot.py at 2019-06-28 08:23:46
Datalink statistics
-- Total of 1 flow:
Average throughput: 24.58 Mbit/s
95th percentile per-packet one-way delay: 26.258 ms
Loss rate: 0.15%
-- Flow 1:
Average throughput: 24.58 Mbit/s
95th percentile per-packet one-way delay: 26.258 ms
Loss rate: 0.15%

Run 2: Report of Sprout — Data Link

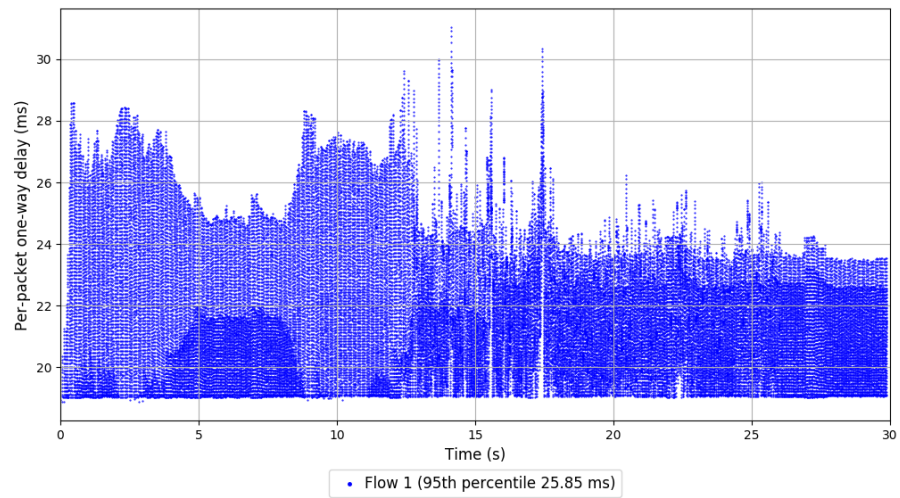
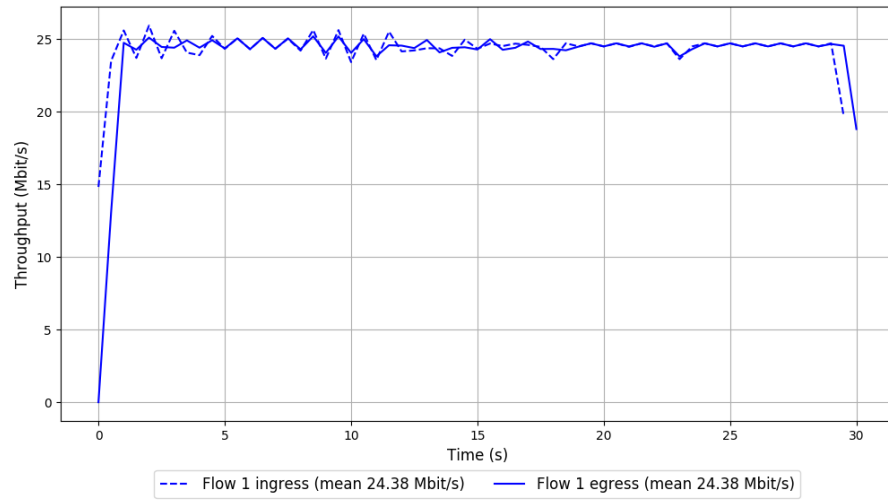


Run 3: Statistics of Sprout

Start at: 2019-06-28 07:01:16
End at: 2019-06-28 07:01:46
Local clock offset: -0.283 ms
Remote clock offset: -7.184 ms

Below is generated by plot.py at 2019-06-28 08:23:46
Datalink statistics
-- Total of 1 flow:
Average throughput: 24.38 Mbit/s
95th percentile per-packet one-way delay: 25.852 ms
Loss rate: 0.14%
-- Flow 1:
Average throughput: 24.38 Mbit/s
95th percentile per-packet one-way delay: 25.852 ms
Loss rate: 0.14%

Run 3: Report of Sprout — Data Link

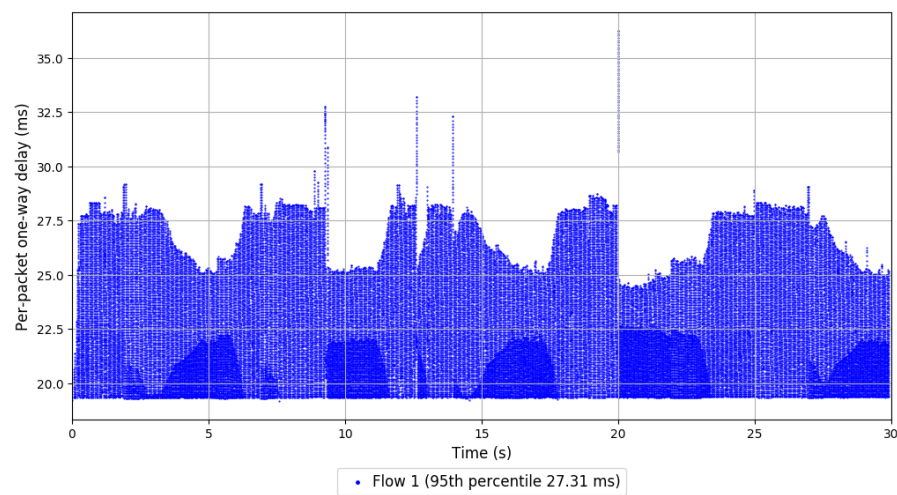
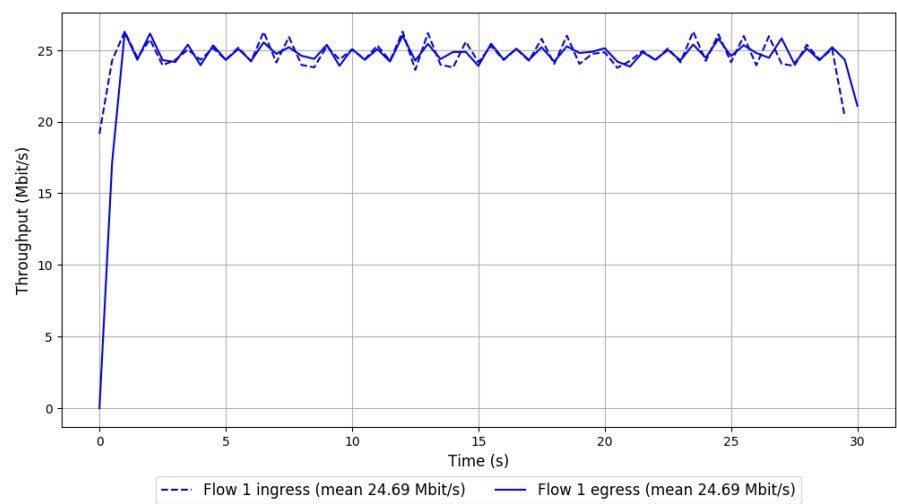


Run 4: Statistics of Sprout

Start at: 2019-06-28 07:27:37
End at: 2019-06-28 07:28:07
Local clock offset: -0.536 ms
Remote clock offset: -6.612 ms

Below is generated by plot.py at 2019-06-28 08:23:46
Datalink statistics
-- Total of 1 flow:
Average throughput: 24.69 Mbit/s
95th percentile per-packet one-way delay: 27.309 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 24.69 Mbit/s
95th percentile per-packet one-way delay: 27.309 ms
Loss rate: 0.04%

Run 4: Report of Sprout — Data Link

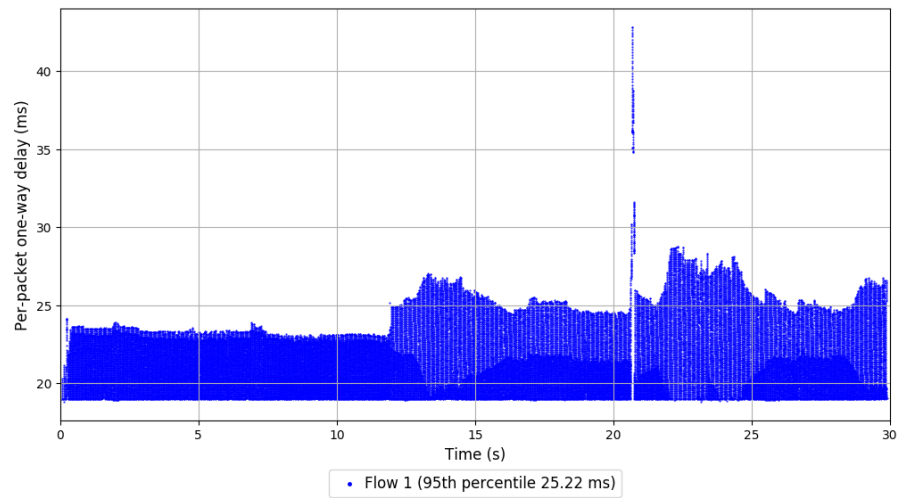
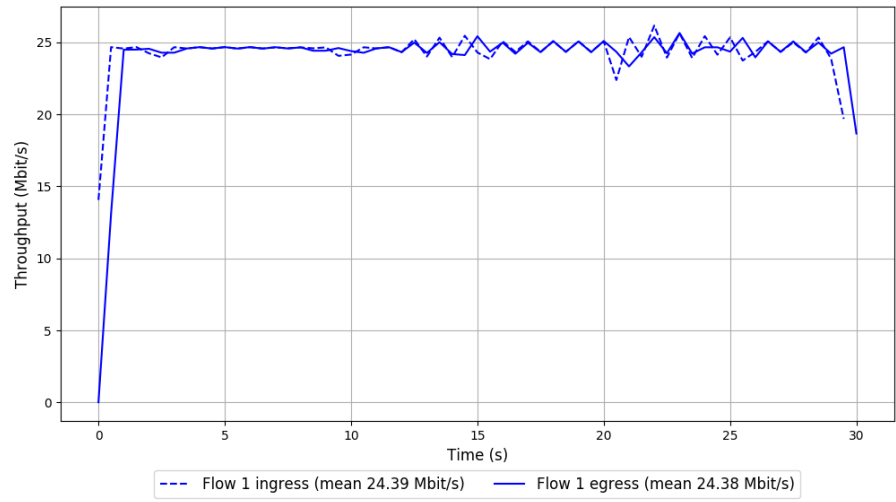


Run 5: Statistics of Sprout

Start at: 2019-06-28 07:53:22
End at: 2019-06-28 07:53:52
Local clock offset: -0.341 ms
Remote clock offset: -5.225 ms

Below is generated by plot.py at 2019-06-28 08:23:46
Datalink statistics
-- Total of 1 flow:
Average throughput: 24.38 Mbit/s
95th percentile per-packet one-way delay: 25.217 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 24.38 Mbit/s
95th percentile per-packet one-way delay: 25.217 ms
Loss rate: 0.13%

Run 5: Report of Sprout — Data Link



Run 1: Statistics of TaoVA-100x

Start at: 2019-06-28 06:00:48

End at: 2019-06-28 06:01:18

Local clock offset: 0.338 ms

Remote clock offset: -7.805 ms

Below is generated by plot.py at 2019-06-28 08:25:15

Datalink statistics

-- Total of 1 flow:

Average throughput: 92.46 Mbit/s

95th percentile per-packet one-way delay: 23.012 ms

Loss rate: 0.10%

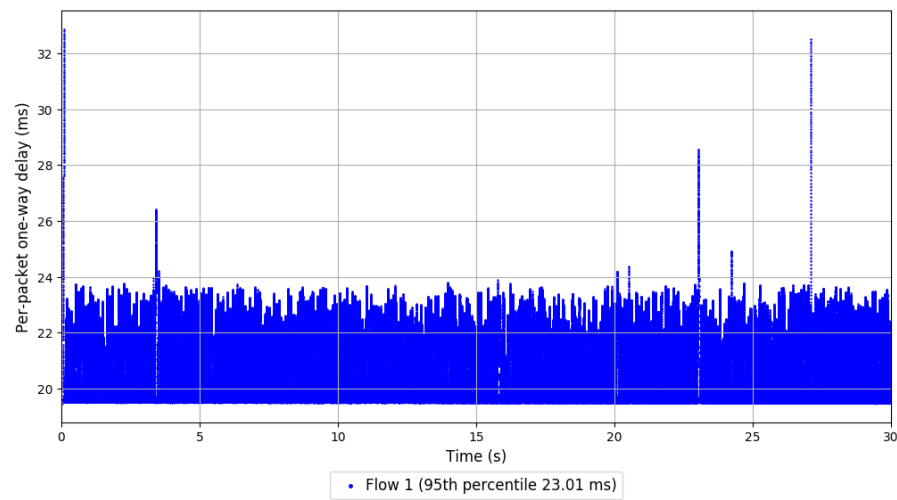
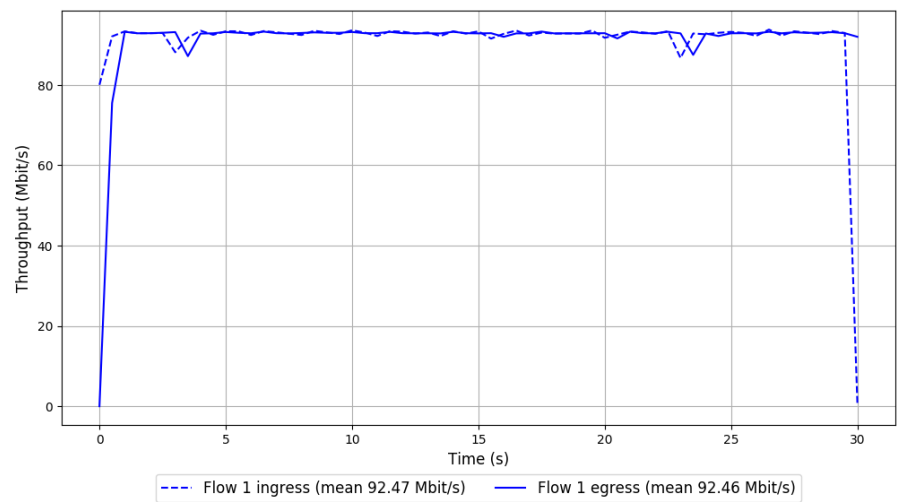
-- Flow 1:

Average throughput: 92.46 Mbit/s

95th percentile per-packet one-way delay: 23.012 ms

Loss rate: 0.10%

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



Run 2: Statistics of TaoVA-100x

Start at: 2019-06-28 06:27:14

End at: 2019-06-28 06:27:44

Local clock offset: -0.87 ms

Remote clock offset: -8.035 ms

Below is generated by plot.py at 2019-06-28 08:25:15

Datalink statistics

-- Total of 1 flow:

Average throughput: 91.70 Mbit/s

95th percentile per-packet one-way delay: 22.720 ms

Loss rate: 0.11%

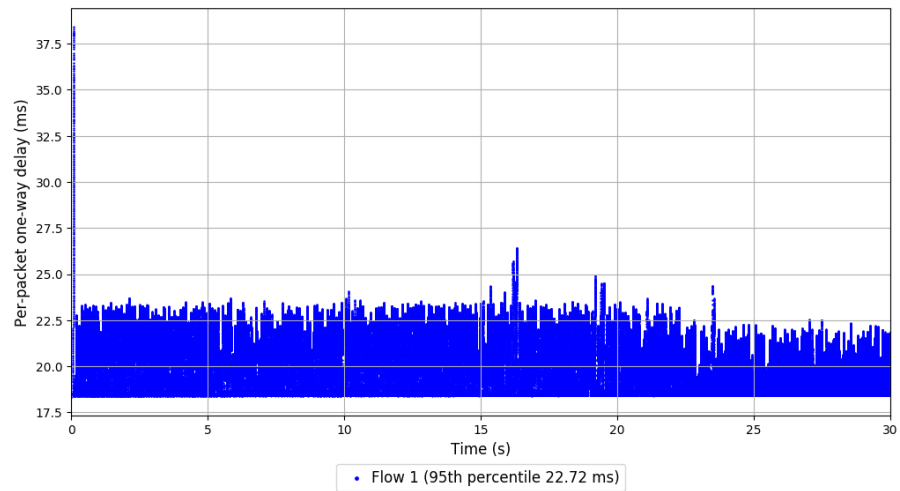
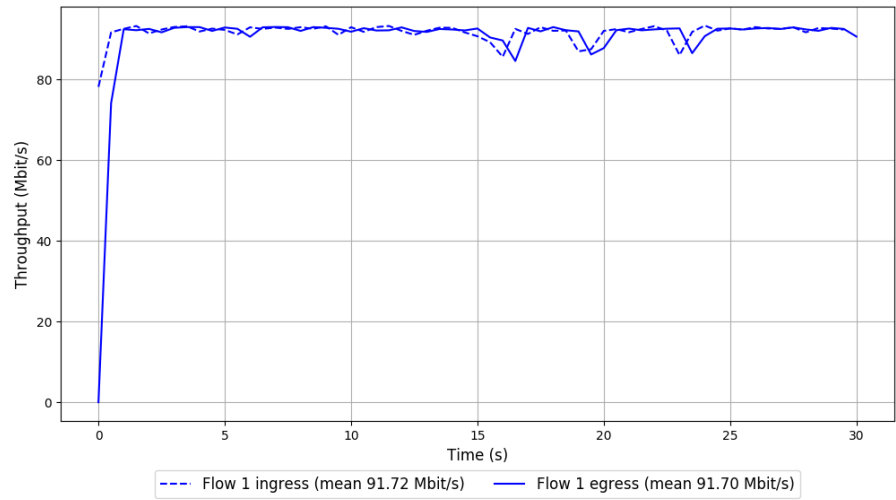
-- Flow 1:

Average throughput: 91.70 Mbit/s

95th percentile per-packet one-way delay: 22.720 ms

Loss rate: 0.11%

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

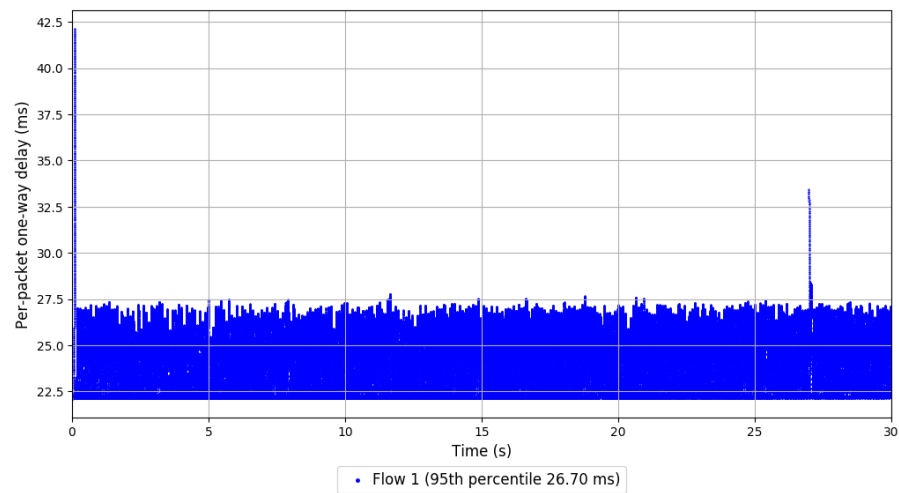
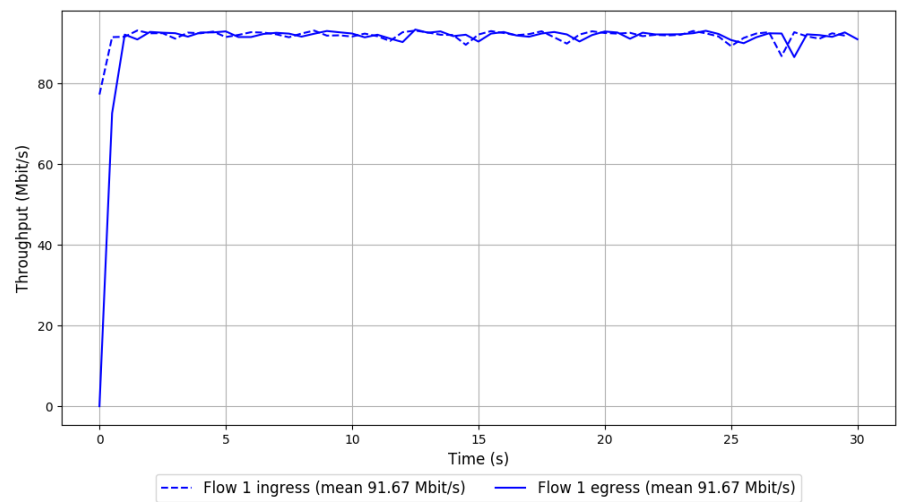


Run 3: Statistics of TaoVA-100x

Start at: 2019-06-28 06:53:56
End at: 2019-06-28 06:54:26
Local clock offset: -1.918 ms
Remote clock offset: -12.309 ms

Below is generated by plot.py at 2019-06-28 08:25:18
Datalink statistics
-- Total of 1 flow:
Average throughput: 91.67 Mbit/s
95th percentile per-packet one-way delay: 26.699 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 91.67 Mbit/s
95th percentile per-packet one-way delay: 26.699 ms
Loss rate: 0.09%

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



Run 4: Statistics of TaoVA-100x

Start at: 2019-06-28 07:20:23

End at: 2019-06-28 07:20:53

Local clock offset: -0.38 ms

Remote clock offset: -6.074 ms

Below is generated by plot.py at 2019-06-28 08:25:25

Datalink statistics

-- Total of 1 flow:

Average throughput: 92.51 Mbit/s

95th percentile per-packet one-way delay: 21.800 ms

Loss rate: 0.10%

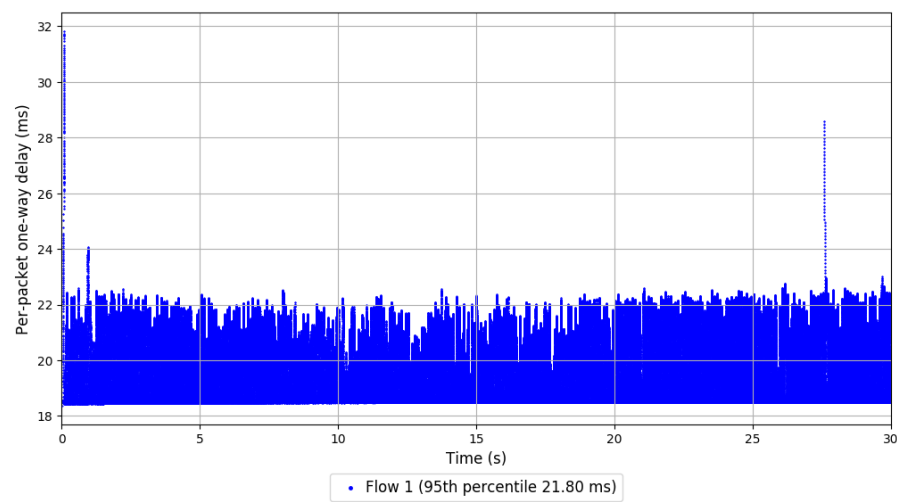
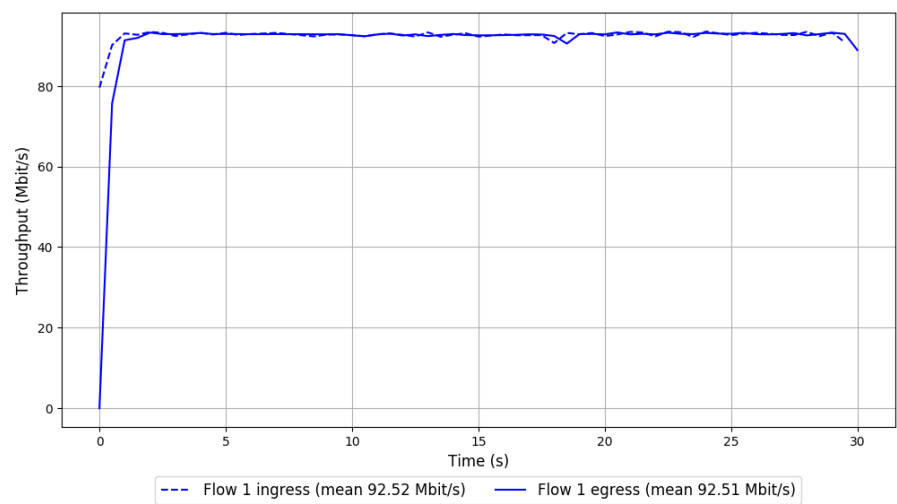
-- Flow 1:

Average throughput: 92.51 Mbit/s

95th percentile per-packet one-way delay: 21.800 ms

Loss rate: 0.10%

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

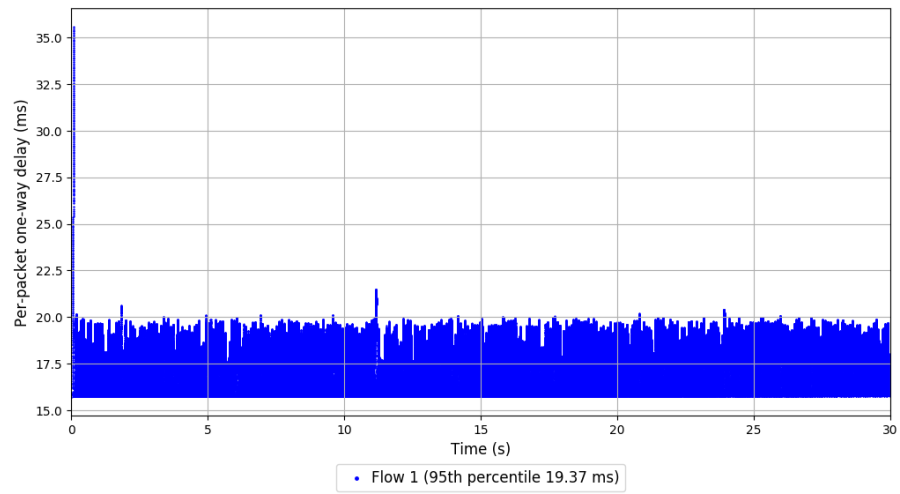
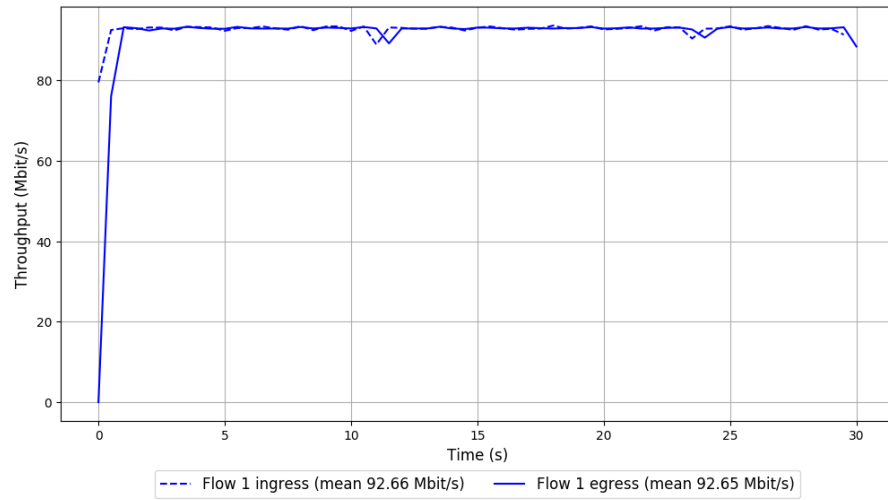


Run 5: Statistics of TaoVA-100x

Start at: 2019-06-28 07:46:17
End at: 2019-06-28 07:46:47
Local clock offset: -1.755 ms
Remote clock offset: -3.485 ms

Below is generated by plot.py at 2019-06-28 08:25:28
Datalink statistics
-- Total of 1 flow:
Average throughput: 92.65 Mbit/s
95th percentile per-packet one-way delay: 19.371 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 92.65 Mbit/s
95th percentile per-packet one-way delay: 19.371 ms
Loss rate: 0.10%

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

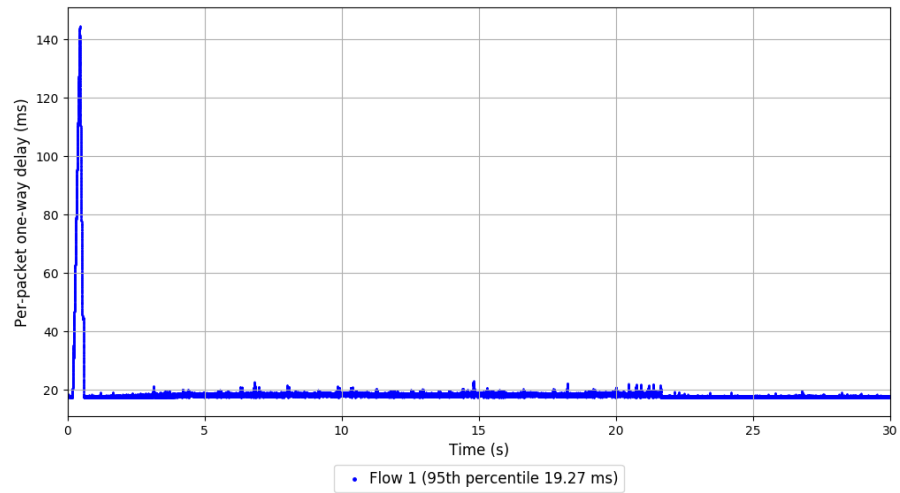
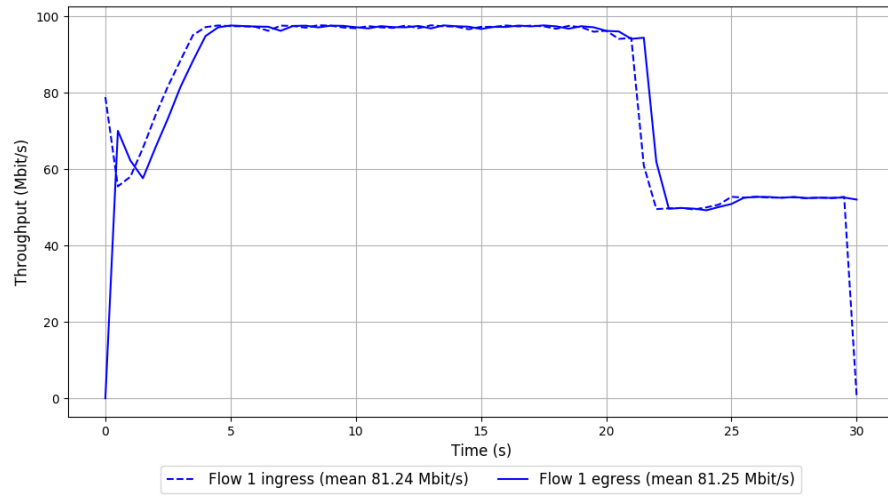


Run 1: Statistics of TCP Vegas

Start at: 2019-06-28 06:17:42
End at: 2019-06-28 06:18:12
Local clock offset: -0.376 ms
Remote clock offset: -8.157 ms

Below is generated by plot.py at 2019-06-28 08:25:28
Datalink statistics
-- Total of 1 flow:
Average throughput: 81.25 Mbit/s
95th percentile per-packet one-way delay: 19.267 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 81.25 Mbit/s
95th percentile per-packet one-way delay: 19.267 ms
Loss rate: 0.08%

Run 1: Report of TCP Vegas — Data Link

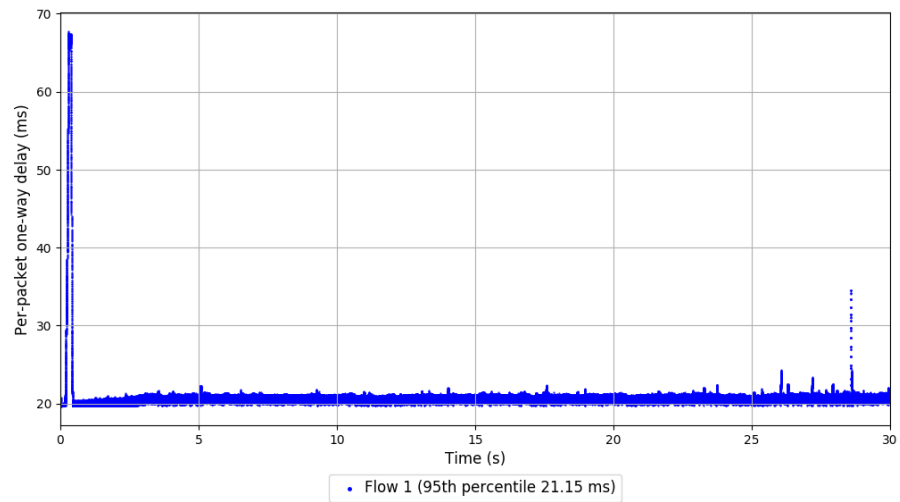
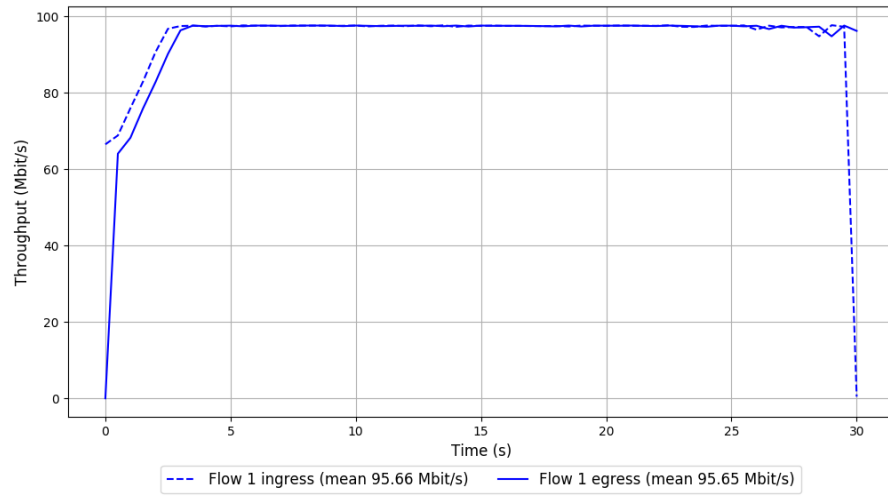


Run 2: Statistics of TCP Vegas

Start at: 2019-06-28 06:44:41
End at: 2019-06-28 06:45:11
Local clock offset: -0.703 ms
Remote clock offset: -8.767 ms

Below is generated by plot.py at 2019-06-28 08:25:28
Datalink statistics
-- Total of 1 flow:
Average throughput: 95.65 Mbit/s
95th percentile per-packet one-way delay: 21.149 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 95.65 Mbit/s
95th percentile per-packet one-way delay: 21.149 ms
Loss rate: 0.10%

Run 2: Report of TCP Vegas — Data Link

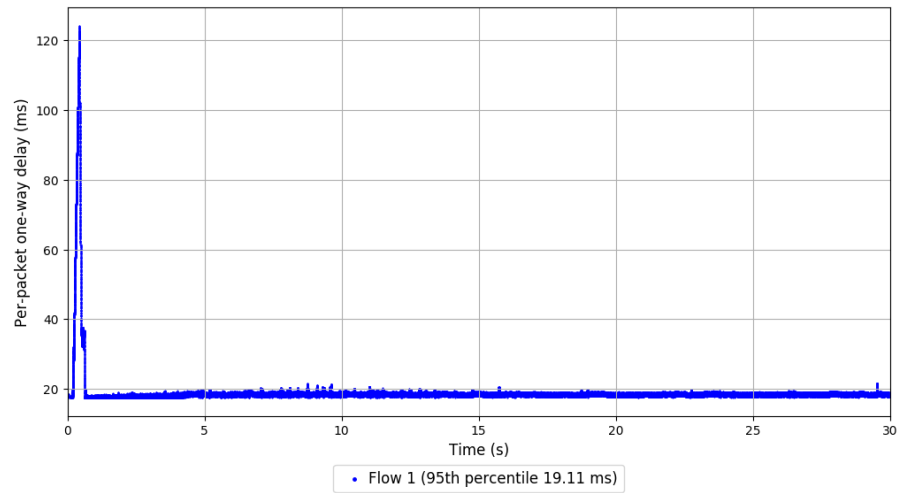
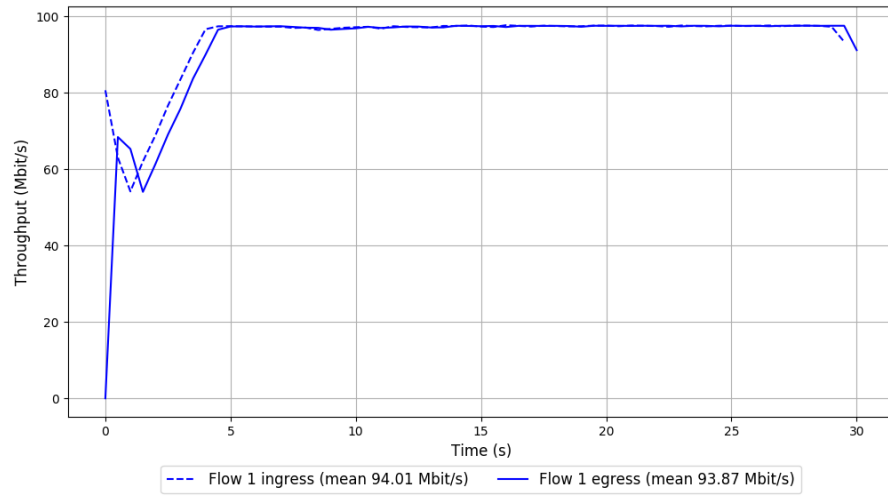


Run 3: Statistics of TCP Vegas

Start at: 2019-06-28 07:11:03
End at: 2019-06-28 07:11:33
Local clock offset: -2.521 ms
Remote clock offset: -7.823 ms

Below is generated by plot.py at 2019-06-28 08:25:28
Datalink statistics
-- Total of 1 flow:
Average throughput: 93.87 Mbit/s
95th percentile per-packet one-way delay: 19.115 ms
Loss rate: 0.25%
-- Flow 1:
Average throughput: 93.87 Mbit/s
95th percentile per-packet one-way delay: 19.115 ms
Loss rate: 0.25%

Run 3: Report of TCP Vegas — Data Link

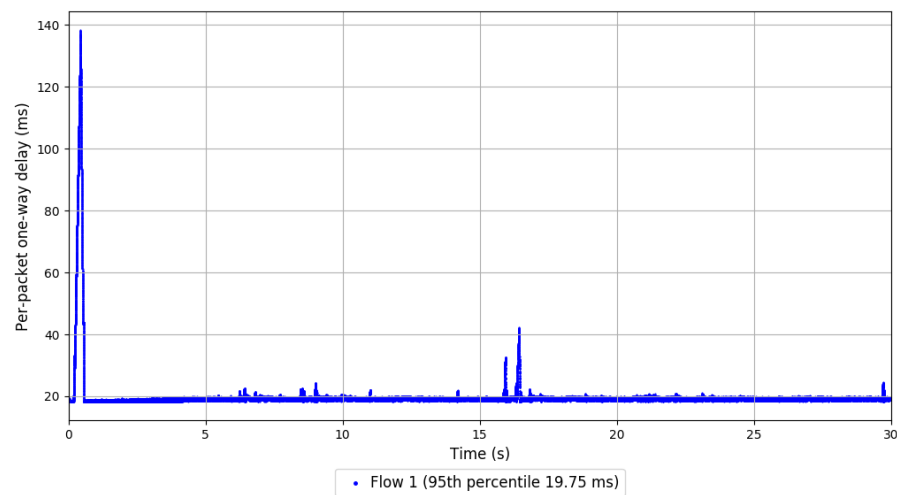
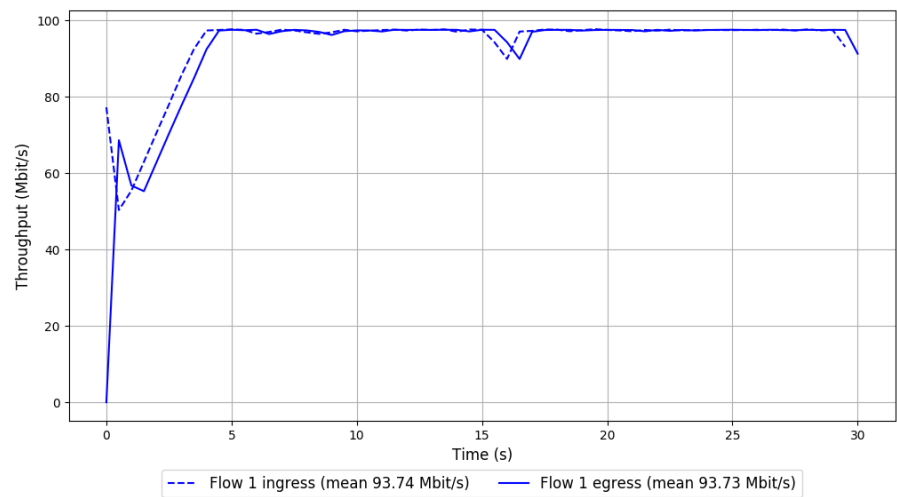


Run 4: Statistics of TCP Vegas

Start at: 2019-06-28 07:36:58
End at: 2019-06-28 07:37:28
Local clock offset: -1.323 ms
Remote clock offset: -5.963 ms

Below is generated by plot.py at 2019-06-28 08:25:29
Datalink statistics
-- Total of 1 flow:
Average throughput: 93.73 Mbit/s
95th percentile per-packet one-way delay: 19.750 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 93.73 Mbit/s
95th percentile per-packet one-way delay: 19.750 ms
Loss rate: 0.10%

Run 4: Report of TCP Vegas — Data Link

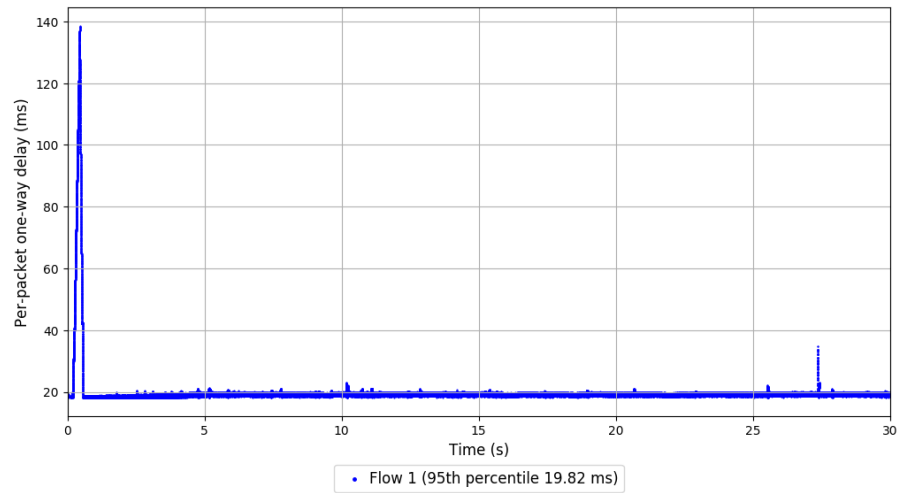
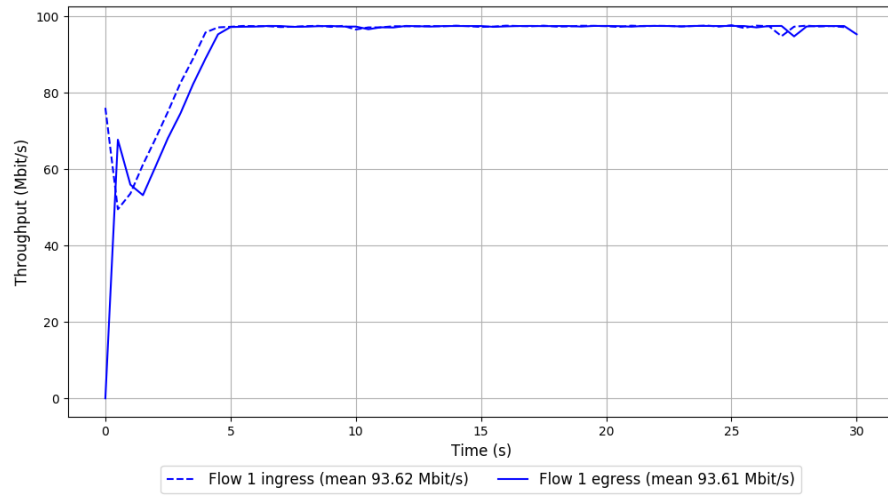


Run 5: Statistics of TCP Vegas

Start at: 2019-06-28 08:02:33
End at: 2019-06-28 08:03:03
Local clock offset: -1.002 ms
Remote clock offset: -5.163 ms

Below is generated by plot.py at 2019-06-28 08:25:38
Datalink statistics
-- Total of 1 flow:
Average throughput: 93.61 Mbit/s
95th percentile per-packet one-way delay: 19.822 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 93.61 Mbit/s
95th percentile per-packet one-way delay: 19.822 ms
Loss rate: 0.10%

Run 5: Report of TCP Vegas — Data Link

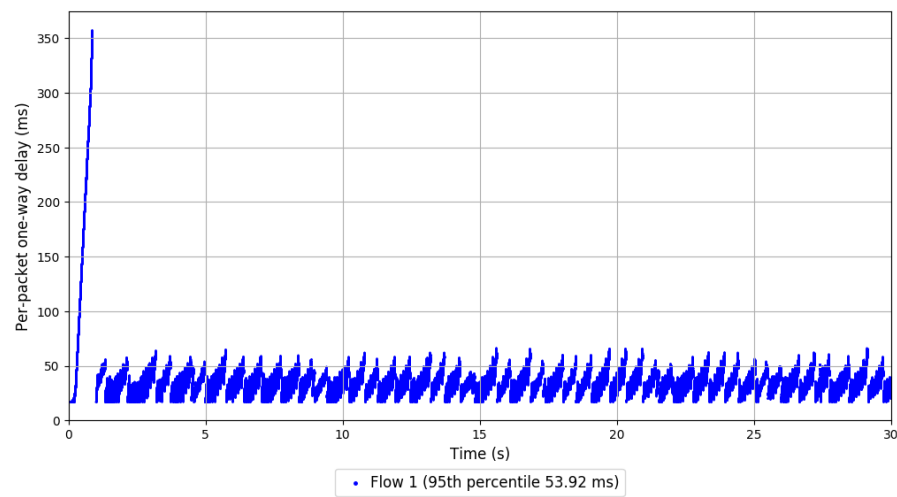
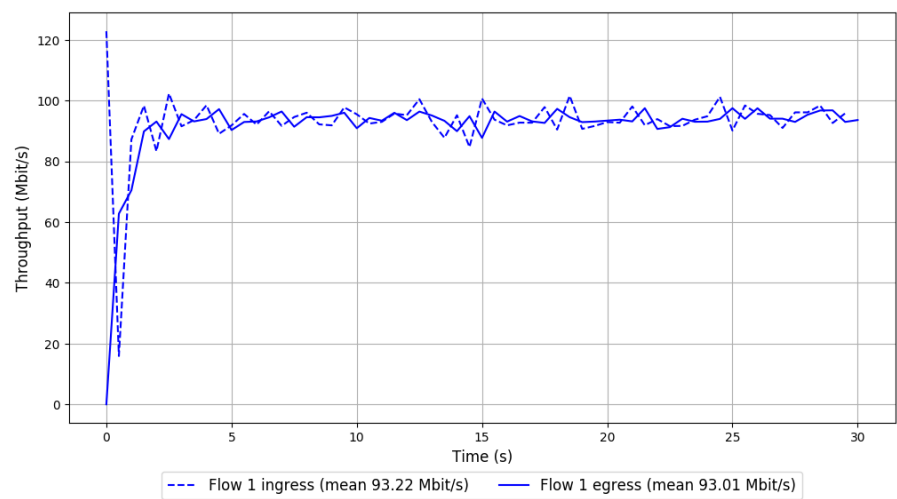


Run 1: Statistics of Verus

Start at: 2019-06-28 06:10:34
End at: 2019-06-28 06:11:04
Local clock offset: 0.279 ms
Remote clock offset: -6.551 ms

Below is generated by plot.py at 2019-06-28 08:26:08
Datalink statistics
-- Total of 1 flow:
Average throughput: 93.01 Mbit/s
95th percentile per-packet one-way delay: 53.921 ms
Loss rate: 0.30%
-- Flow 1:
Average throughput: 93.01 Mbit/s
95th percentile per-packet one-way delay: 53.921 ms
Loss rate: 0.30%

Run 1: Report of Verus — Data Link

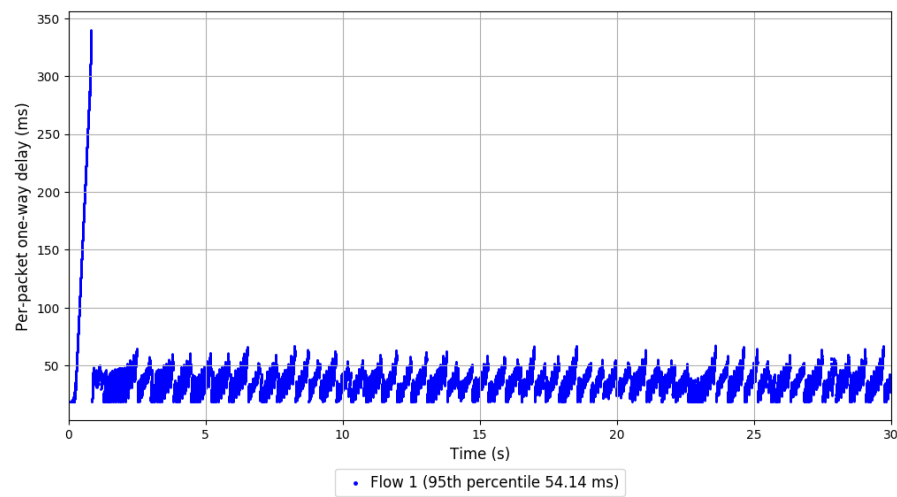
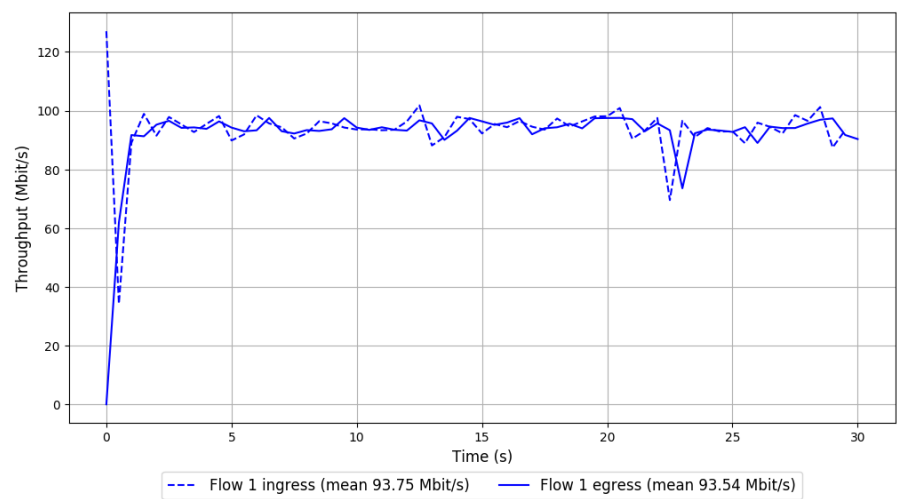


Run 2: Statistics of Verus

Start at: 2019-06-28 06:37:21
End at: 2019-06-28 06:37:51
Local clock offset: -0.438 ms
Remote clock offset: -7.849 ms

Below is generated by plot.py at 2019-06-28 08:26:24
Datalink statistics
-- Total of 1 flow:
Average throughput: 93.54 Mbit/s
95th percentile per-packet one-way delay: 54.136 ms
Loss rate: 0.30%
-- Flow 1:
Average throughput: 93.54 Mbit/s
95th percentile per-packet one-way delay: 54.136 ms
Loss rate: 0.30%

Run 2: Report of Verus — Data Link

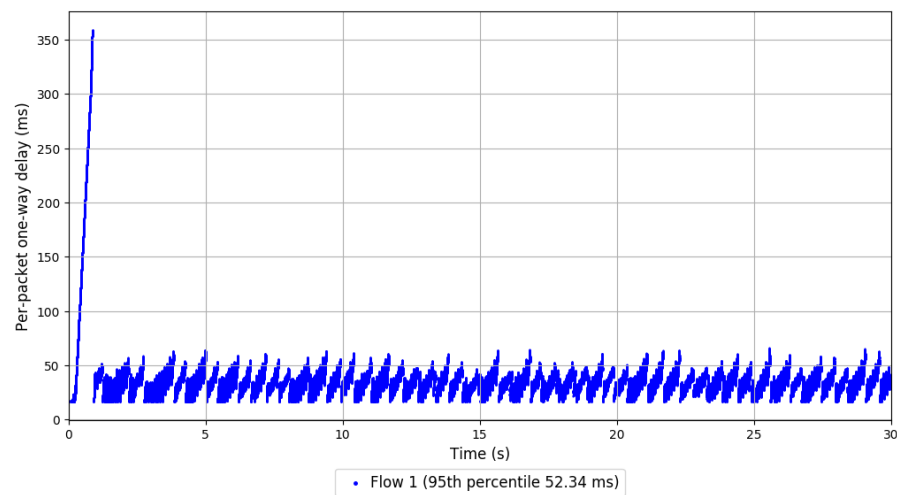
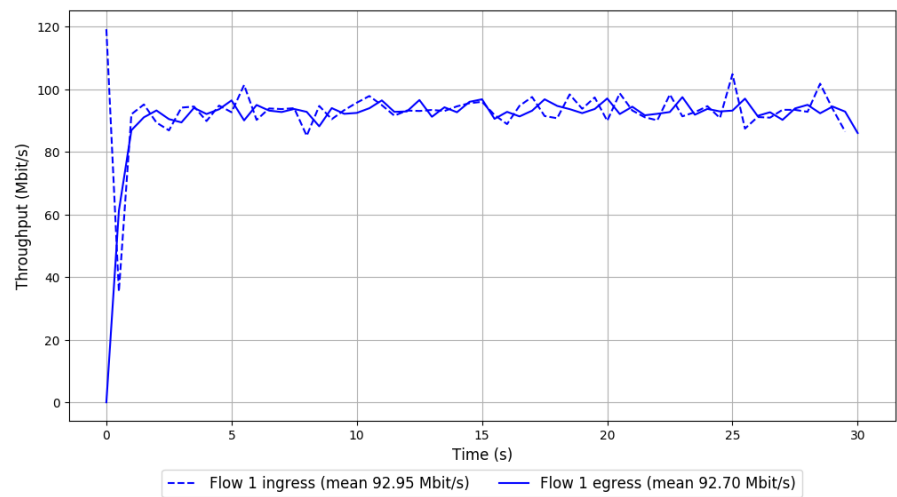


Run 3: Statistics of Verus

Start at: 2019-06-28 07:03:36
End at: 2019-06-28 07:04:06
Local clock offset: -0.452 ms
Remote clock offset: -4.816 ms

Below is generated by plot.py at 2019-06-28 08:26:24
Datalink statistics
-- Total of 1 flow:
Average throughput: 92.70 Mbit/s
95th percentile per-packet one-way delay: 52.343 ms
Loss rate: 0.36%
-- Flow 1:
Average throughput: 92.70 Mbit/s
95th percentile per-packet one-way delay: 52.343 ms
Loss rate: 0.36%

Run 3: Report of Verus — Data Link

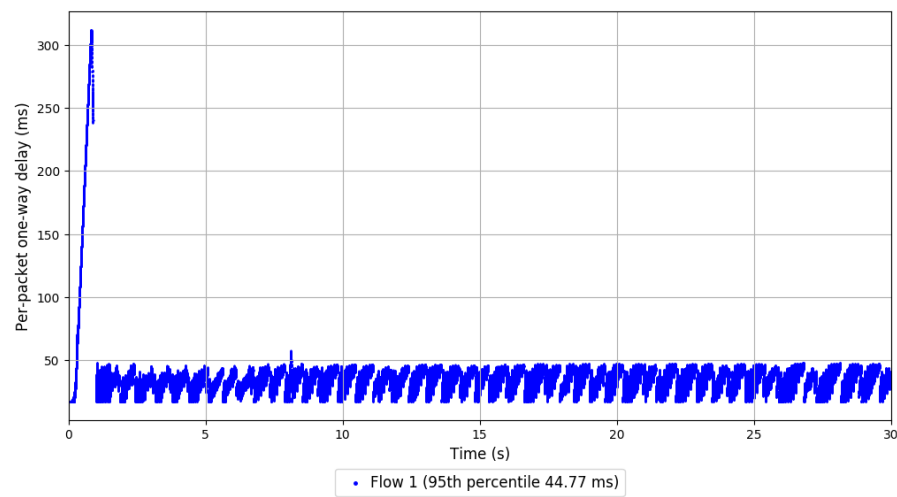
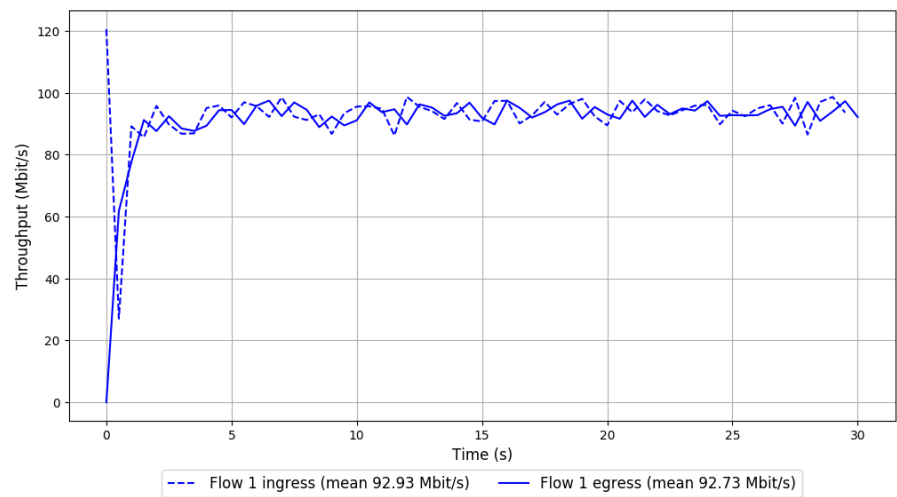


Run 4: Statistics of Verus

Start at: 2019-06-28 07:29:54
End at: 2019-06-28 07:30:24
Local clock offset: -0.432 ms
Remote clock offset: -3.914 ms

Below is generated by plot.py at 2019-06-28 08:26:28
Datalink statistics
-- Total of 1 flow:
Average throughput: 92.73 Mbit/s
95th percentile per-packet one-way delay: 44.773 ms
Loss rate: 0.31%
-- Flow 1:
Average throughput: 92.73 Mbit/s
95th percentile per-packet one-way delay: 44.773 ms
Loss rate: 0.31%

Run 4: Report of Verus — Data Link

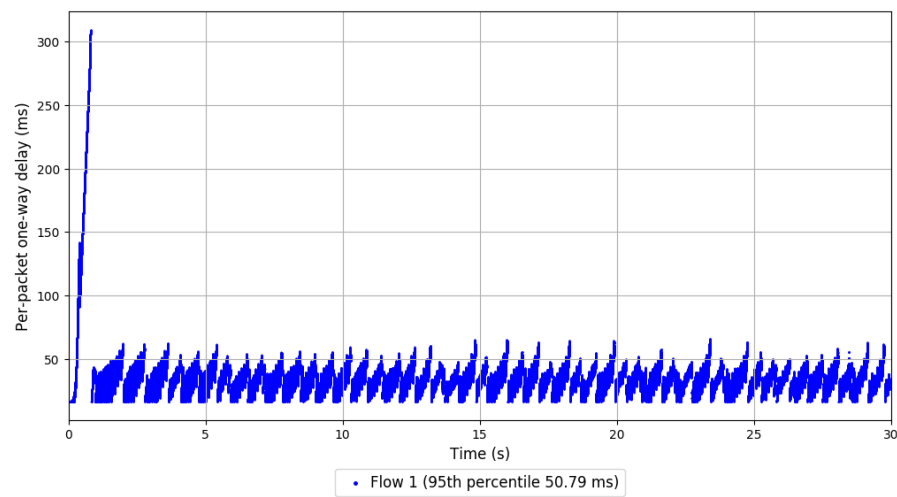
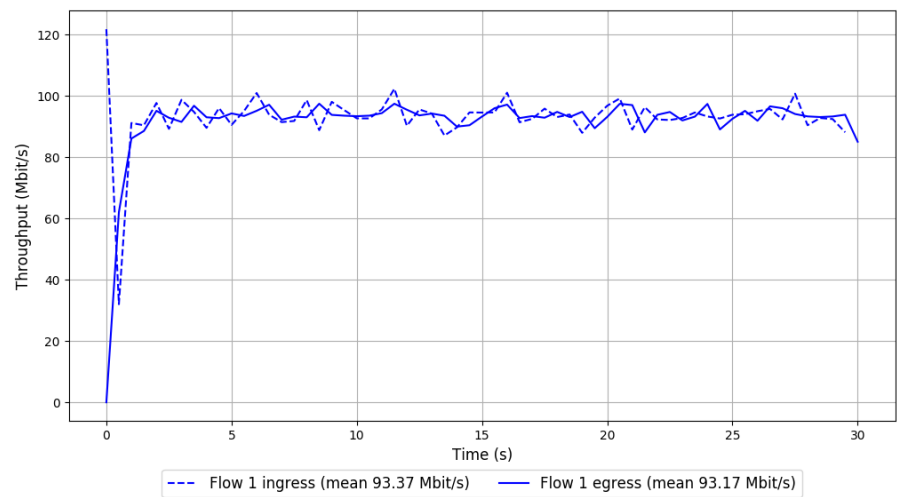


Run 5: Statistics of Verus

Start at: 2019-06-28 07:55:38
End at: 2019-06-28 07:56:08
Local clock offset: -1.376 ms
Remote clock offset: -3.575 ms

Below is generated by plot.py at 2019-06-28 08:26:35
Datalink statistics
-- Total of 1 flow:
Average throughput: 93.17 Mbit/s
95th percentile per-packet one-way delay: 50.788 ms
Loss rate: 0.30%
-- Flow 1:
Average throughput: 93.17 Mbit/s
95th percentile per-packet one-way delay: 50.788 ms
Loss rate: 0.30%

Run 5: Report of Verus — Data Link

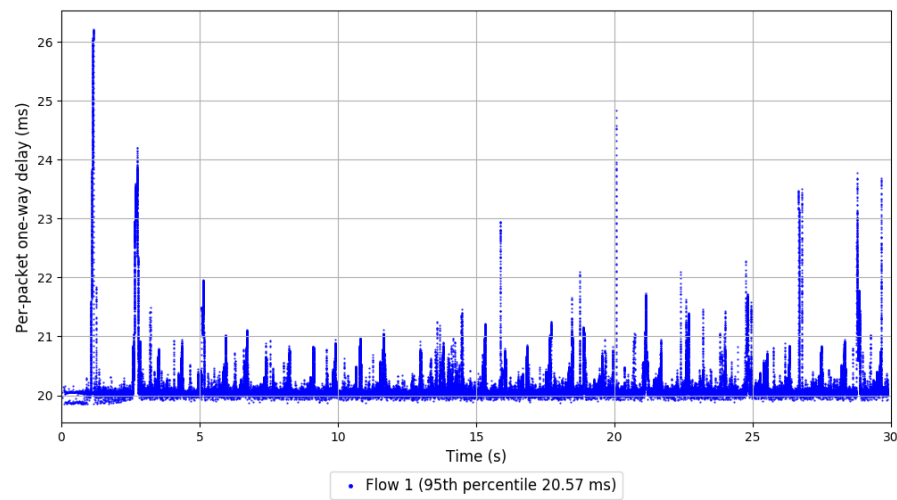
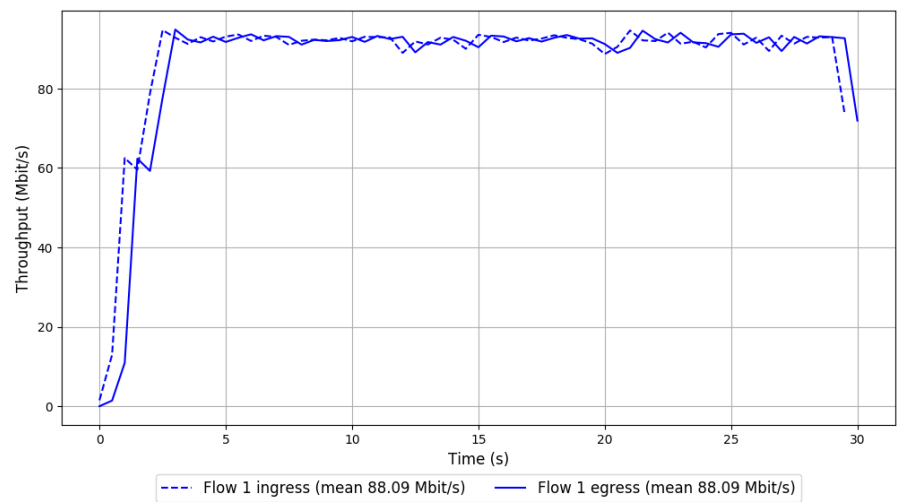


Run 1: Statistics of PCC-Vivace

Start at: 2019-06-28 06:09:21
End at: 2019-06-28 06:09:51
Local clock offset: -1.165 ms
Remote clock offset: -6.807 ms

Below is generated by plot.py at 2019-06-28 08:26:40
Datalink statistics
-- Total of 1 flow:
Average throughput: 88.09 Mbit/s
95th percentile per-packet one-way delay: 20.568 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 88.09 Mbit/s
95th percentile per-packet one-way delay: 20.568 ms
Loss rate: 0.10%

Run 1: Report of PCC-Vivace — Data Link



Run 2: Statistics of PCC-Vivace

Start at: 2019-06-28 06:36:05

End at: 2019-06-28 06:36:35

Local clock offset: -1.26 ms

Remote clock offset: -7.785 ms

Below is generated by plot.py at 2019-06-28 08:26:41

Datalink statistics

-- Total of 1 flow:

Average throughput: 88.30 Mbit/s

95th percentile per-packet one-way delay: 18.642 ms

Loss rate: 0.11%

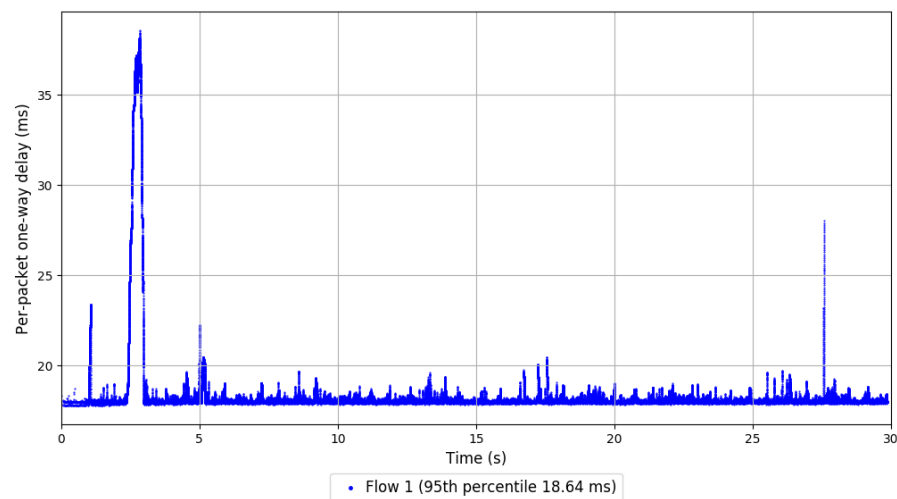
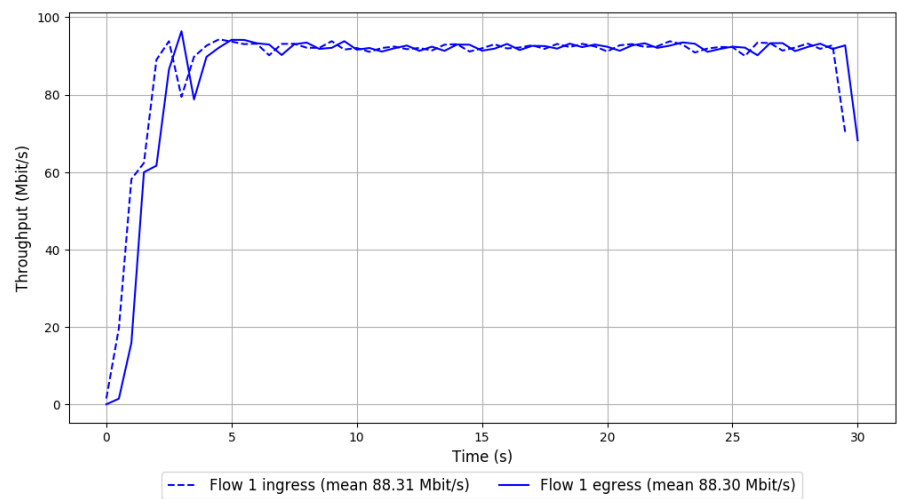
-- Flow 1:

Average throughput: 88.30 Mbit/s

95th percentile per-packet one-way delay: 18.642 ms

Loss rate: 0.11%

Run 2: Report of PCC-Vivace — Data Link



Run 3: Statistics of PCC-Vivace

Start at: 2019-06-28 07:02:22

End at: 2019-06-28 07:02:52

Local clock offset: -1.208 ms

Remote clock offset: -7.656 ms

Below is generated by plot.py at 2019-06-28 08:26:44

Datalink statistics

-- Total of 1 flow:

Average throughput: 88.22 Mbit/s

95th percentile per-packet one-way delay: 18.924 ms

Loss rate: 0.10%

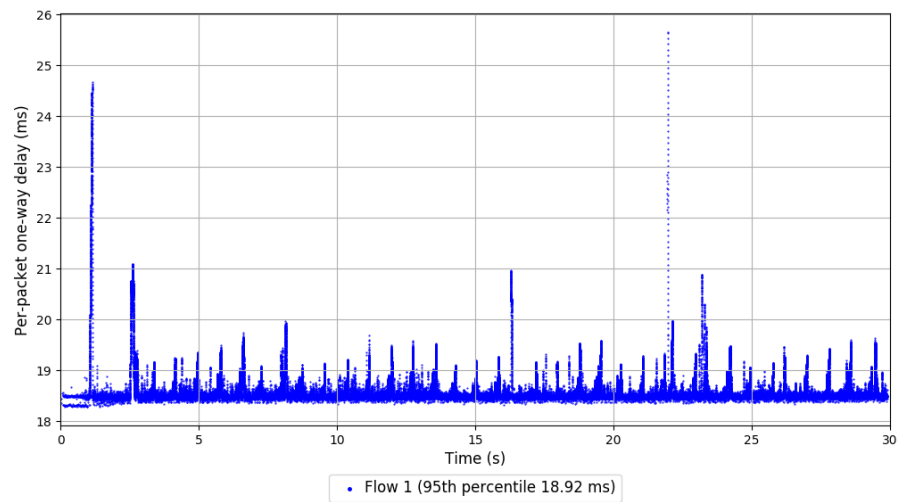
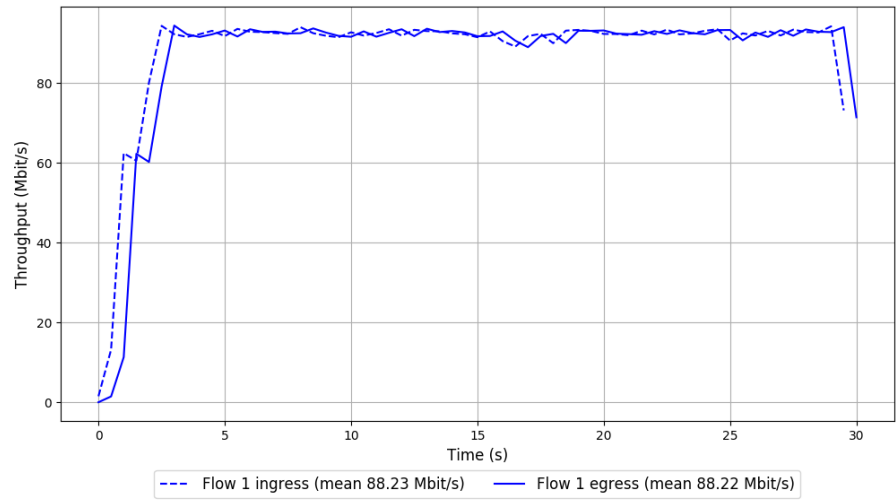
-- Flow 1:

Average throughput: 88.22 Mbit/s

95th percentile per-packet one-way delay: 18.924 ms

Loss rate: 0.10%

Run 3: Report of PCC-Vivace — Data Link

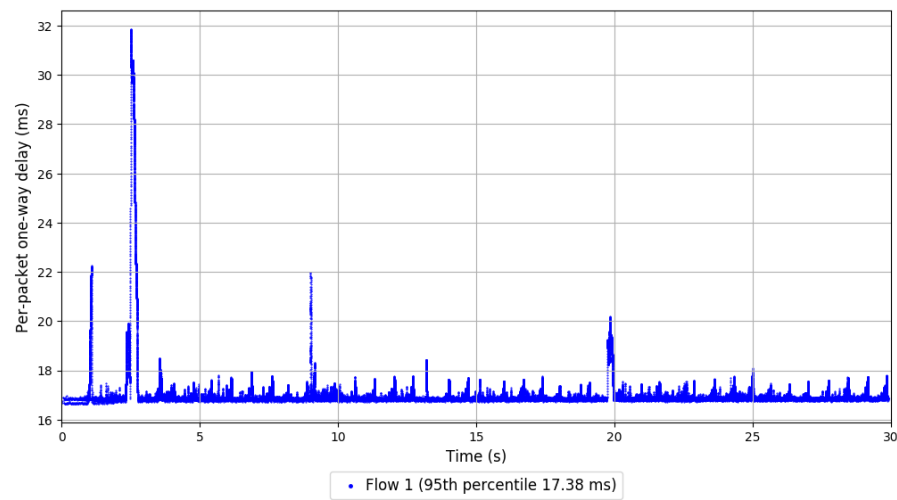
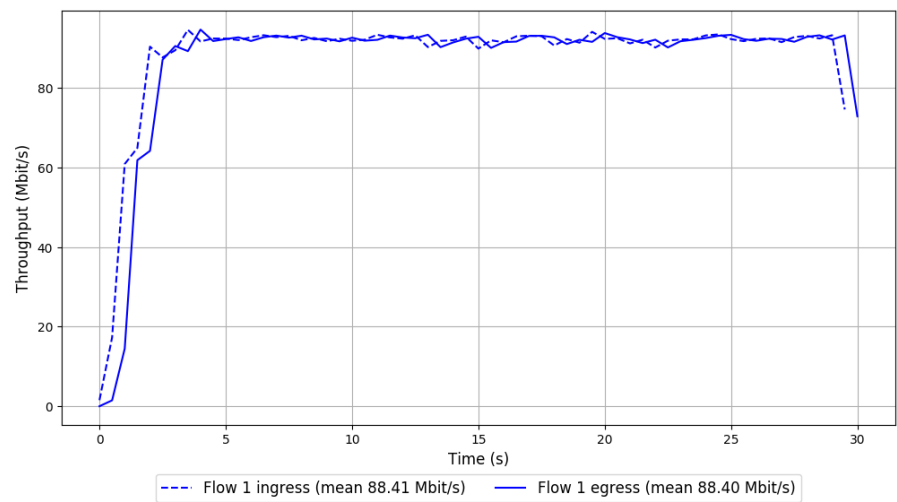


Run 4: Statistics of PCC-Vivace

Start at: 2019-06-28 07:28:43
End at: 2019-06-28 07:29:13
Local clock offset: -0.914 ms
Remote clock offset: -4.569 ms

Below is generated by plot.py at 2019-06-28 08:26:52
Datalink statistics
-- Total of 1 flow:
Average throughput: 88.40 Mbit/s
95th percentile per-packet one-way delay: 17.375 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 88.40 Mbit/s
95th percentile per-packet one-way delay: 17.375 ms
Loss rate: 0.09%

Run 4: Report of PCC-Vivace — Data Link

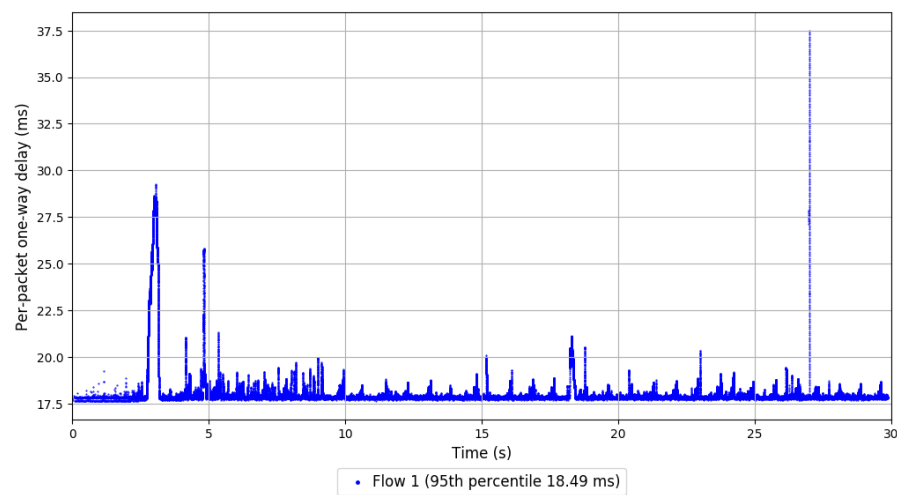
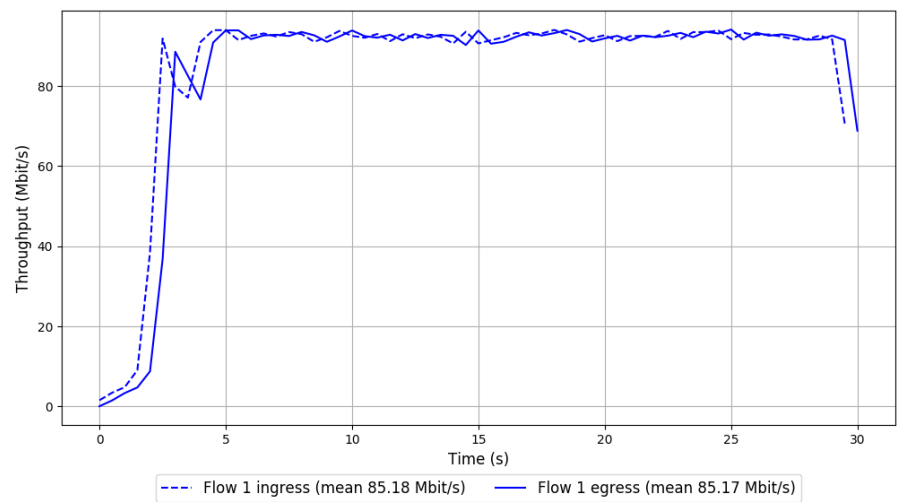


Run 5: Statistics of PCC-Vivace

Start at: 2019-06-28 07:54:27
End at: 2019-06-28 07:54:57
Local clock offset: -0.819 ms
Remote clock offset: -4.503 ms

Below is generated by plot.py at 2019-06-28 08:26:52
Datalink statistics
-- Total of 1 flow:
Average throughput: 85.17 Mbit/s
95th percentile per-packet one-way delay: 18.493 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 85.17 Mbit/s
95th percentile per-packet one-way delay: 18.493 ms
Loss rate: 0.10%

Run 5: Report of PCC-Vivace — Data Link

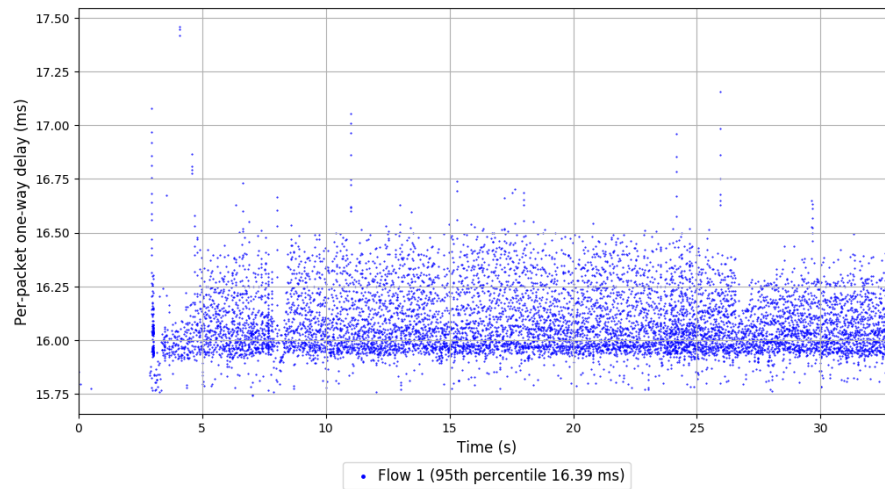
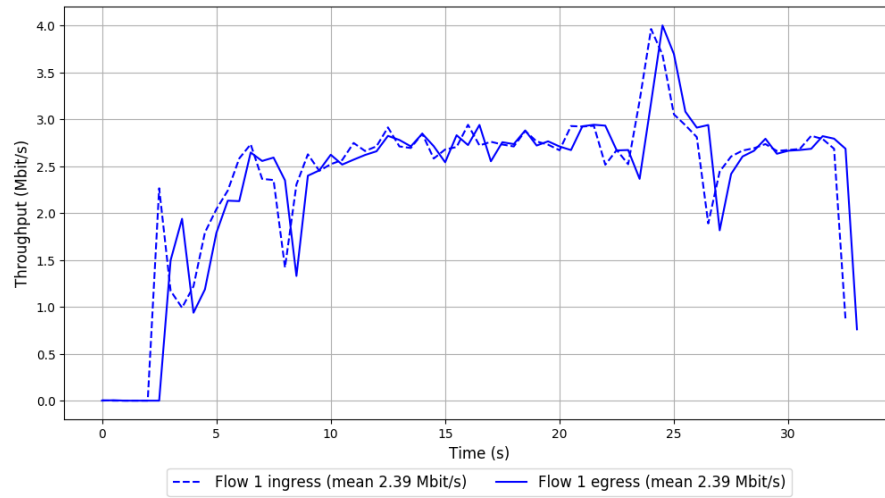


Run 1: Statistics of WebRTC media

Start at: 2019-06-28 06:23:46
End at: 2019-06-28 06:24:16
Local clock offset: -0.888 ms
Remote clock offset: -5.808 ms

Below is generated by plot.py at 2019-06-28 08:26:52
Datalink statistics
-- Total of 1 flow:
Average throughput: 2.39 Mbit/s
95th percentile per-packet one-way delay: 16.386 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 2.39 Mbit/s
95th percentile per-packet one-way delay: 16.386 ms
Loss rate: 0.13%

Run 1: Report of WebRTC media — Data Link

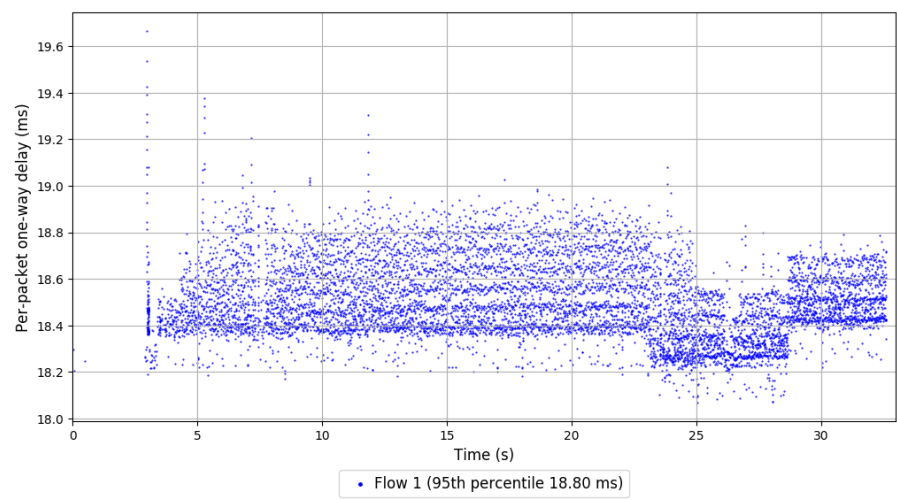
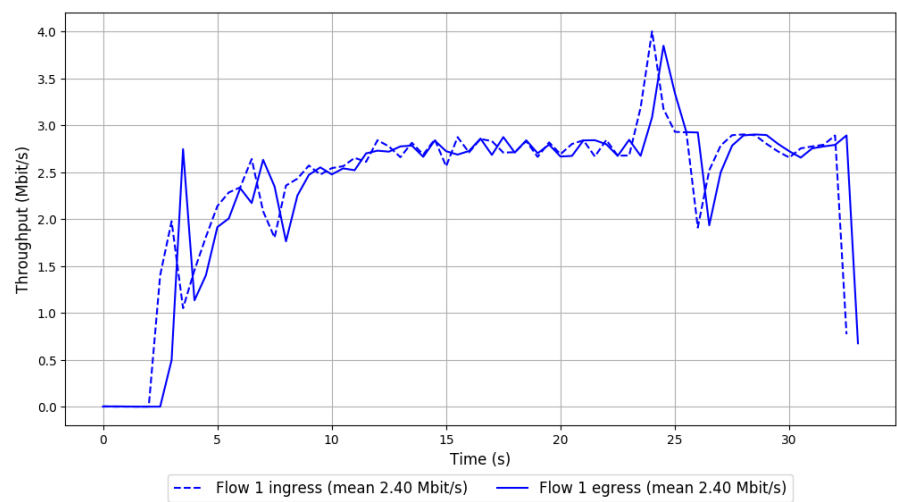


Run 2: Statistics of WebRTC media

Start at: 2019-06-28 06:50:34
End at: 2019-06-28 06:51:04
Local clock offset: -1.527 ms
Remote clock offset: -8.103 ms

Below is generated by plot.py at 2019-06-28 08:26:52
Datalink statistics
-- Total of 1 flow:
Average throughput: 2.40 Mbit/s
95th percentile per-packet one-way delay: 18.802 ms
Loss rate: 0.12%
-- Flow 1:
Average throughput: 2.40 Mbit/s
95th percentile per-packet one-way delay: 18.802 ms
Loss rate: 0.12%

Run 2: Report of WebRTC media — Data Link

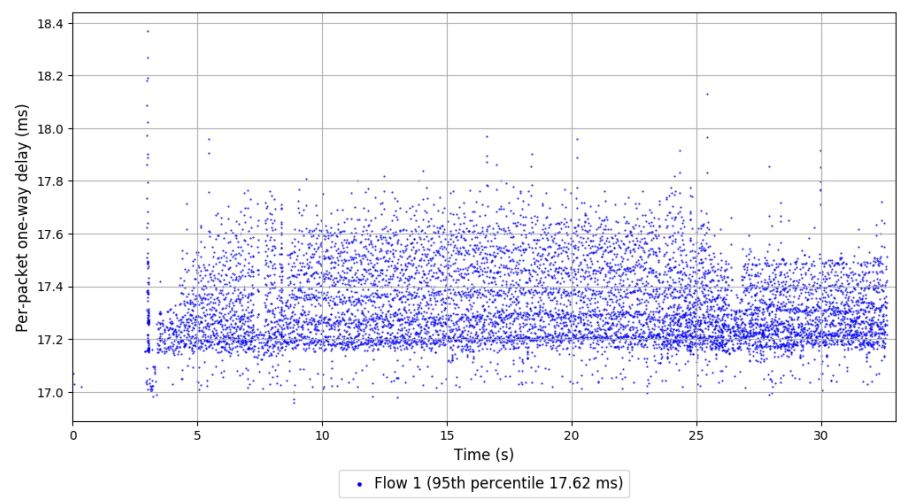
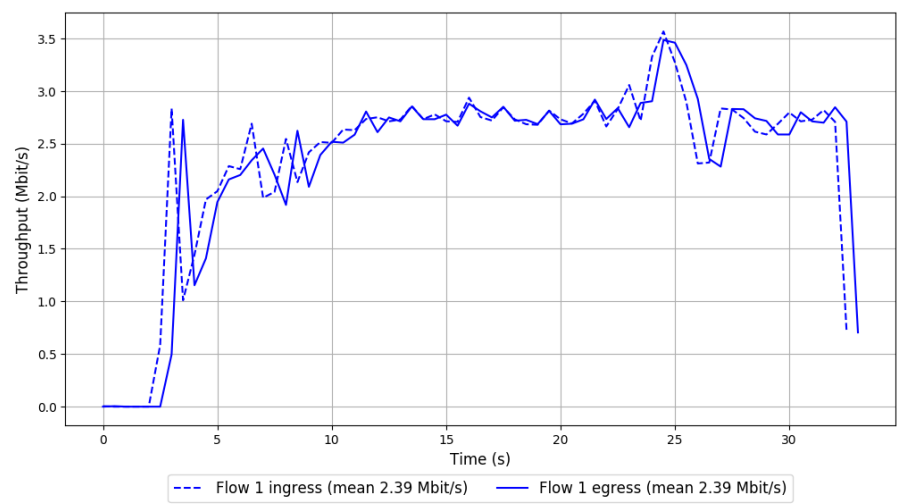


Run 3: Statistics of WebRTC media

Start at: 2019-06-28 07:16:57
End at: 2019-06-28 07:17:27
Local clock offset: -0.397 ms
Remote clock offset: -5.042 ms

Below is generated by plot.py at 2019-06-28 08:26:52
Datalink statistics
-- Total of 1 flow:
Average throughput: 2.39 Mbit/s
95th percentile per-packet one-way delay: 17.616 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 2.39 Mbit/s
95th percentile per-packet one-way delay: 17.616 ms
Loss rate: 0.08%

Run 3: Report of WebRTC media — Data Link

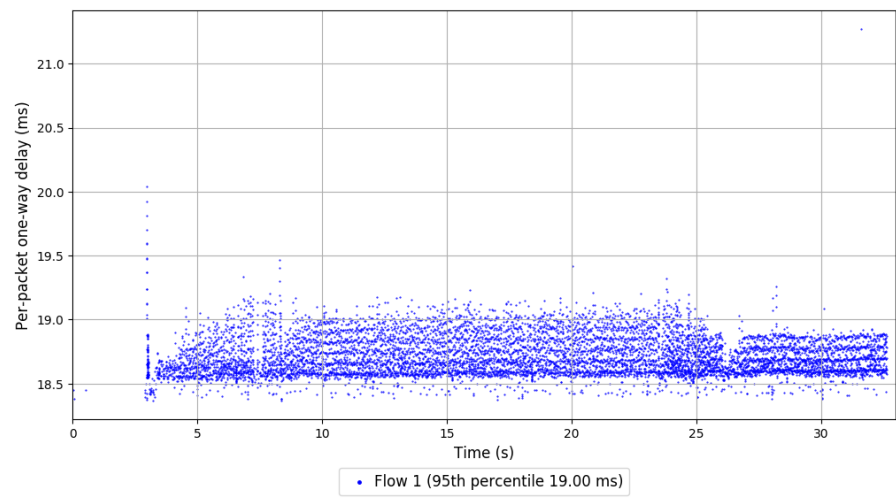
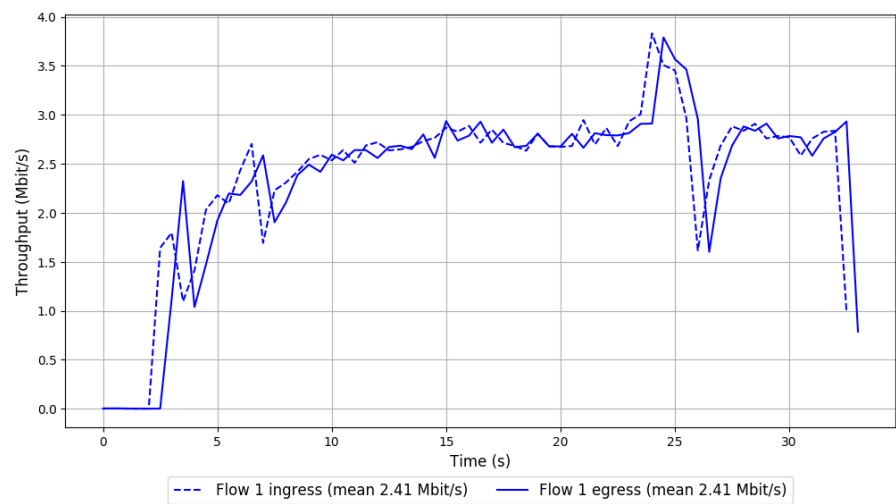


Run 4: Statistics of WebRTC media

Start at: 2019-06-28 07:42:51
End at: 2019-06-28 07:43:21
Local clock offset: -1.436 ms
Remote clock offset: -5.958 ms

Below is generated by plot.py at 2019-06-28 08:26:52
Datalink statistics
-- Total of 1 flow:
Average throughput: 2.41 Mbit/s
95th percentile per-packet one-way delay: 19.001 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 2.41 Mbit/s
95th percentile per-packet one-way delay: 19.001 ms
Loss rate: 0.13%

Run 4: Report of WebRTC media — Data Link



Run 5: Statistics of WebRTC media

Start at: 2019-06-28 08:08:25
End at: 2019-06-28 08:08:55
Local clock offset: -1.595 ms
Remote clock offset: -10.673 ms

Below is generated by plot.py at 2019-06-28 08:26:52
Datalink statistics
-- Total of 1 flow:
Average throughput: 2.40 Mbit/s
95th percentile per-packet one-way delay: 23.604 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 2.40 Mbit/s
95th percentile per-packet one-way delay: 23.604 ms
Loss rate: 0.06%

Run 5: Report of WebRTC media — Data Link

