

Pantheon Report

Generated at 2019-08-27 08:18:13 (UTC).

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

Repeated the test of 24 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.

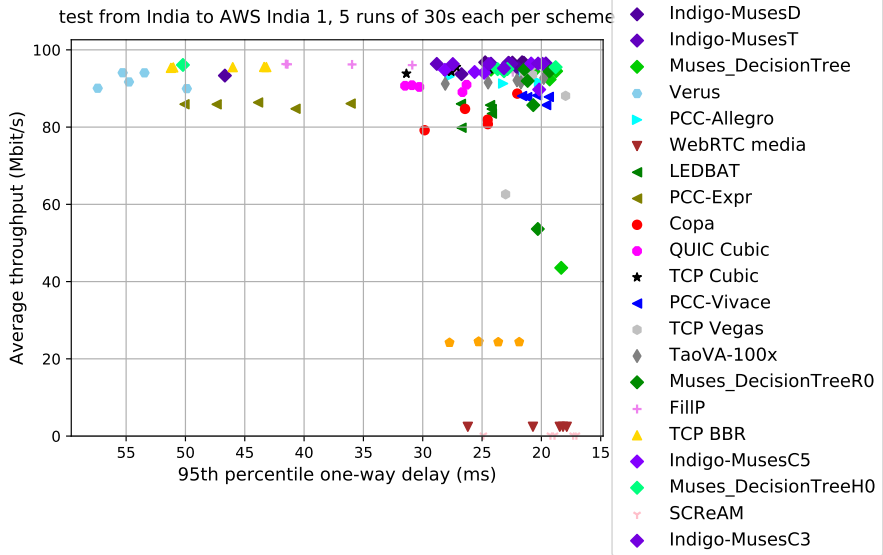
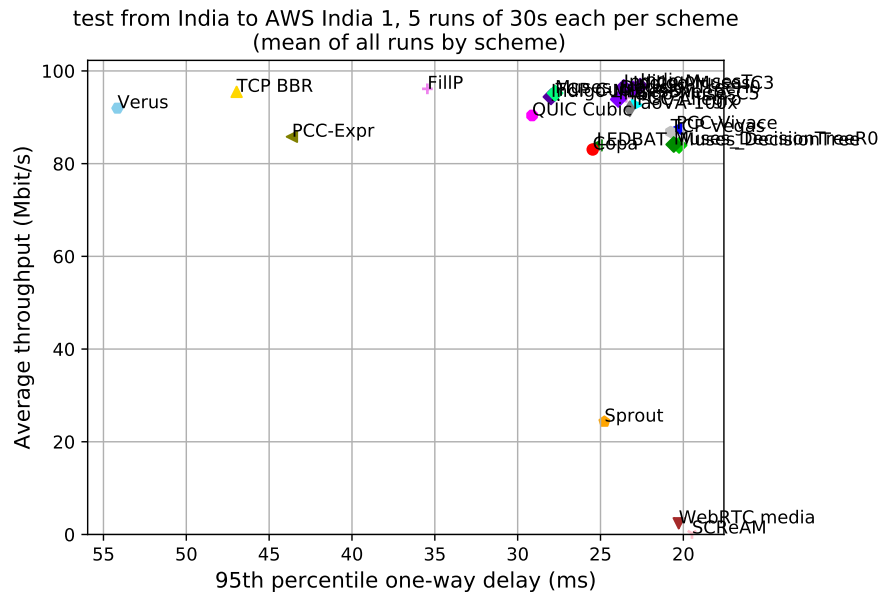
System info:

```
Linux 4.15.0-1043-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 @ de42328552b3776a75a932a94dfafd722537b0ec
third_party/fillp @ d6da1459332fcee56963885d7eba17e6a32d4519
third_party/fillp-sheep @ 0e5bb722943babcd2b090d2c64fcd45e12e923f9
third_party/genericCC @ d0153f8e594aa89e93b032143cedbdf58e562f4
third_party/indigo @ 2601c92e4aa9d58d38dc4dfe0ecd90c077e64d
third_party/libutp @ b3465b942e2826f2b179eaab4a906ce6bb7cf3cf
third_party/muses @ 5ce721187ad823da20955337730c746486ca4966
third_party/muses_dtree @ 387225f7b5f61ddbe92d708a8869ffbb84eb3200
third_party/pantheon-tunnel @ f866d3f58d27afd942717625ee3a354cc2e802bd
third_party/pcc @ 1afc958fa0d66d18b623c091a55fec872b4981e1
M receiver/src/buffer.h
M receiver/src/core.cpp
M sender/src/buffer.h
M sender/src/core.cpp
third_party/pcc-experimental @ cd43e34e3f5f5613e8acd08fab92c4eb24f974ab
third_party/proto-quick @ 77961f1a82733a86b42f1bc8143ebc978f3cff42
third_party/scream-reproduce @ f099118d1421aa3131bf11ff1964974e1da3bdb2
M src/ScreamClient
M src/ScreamServer
third_party/sprout @ 366e35c6178b01e31d4a46ad18c74f9415f19a26
M src/examples/cellsim.cc
M src/examples/sproutbt2.cc
M src/network/sproutconn.cc
third_party/verus @ d4b447ea74c6c60a261149af2629562939f9a494
M src/verus.hpp
M tools/plot.py
```

third_party/vivace @ 2baf86211435ae071a32f96b7d8c504587f5d7f4
third_party/webrtc @ 3f0cc2a9061a41b6f9dde4735770d143a1fa2851



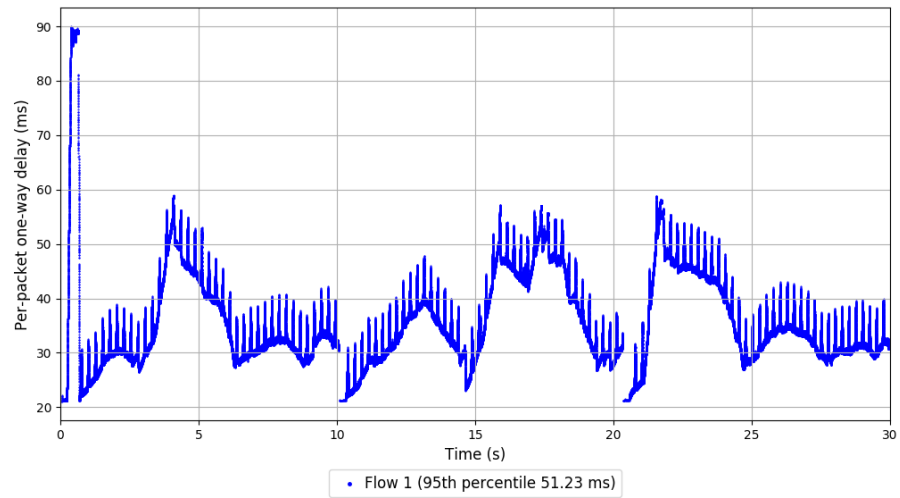
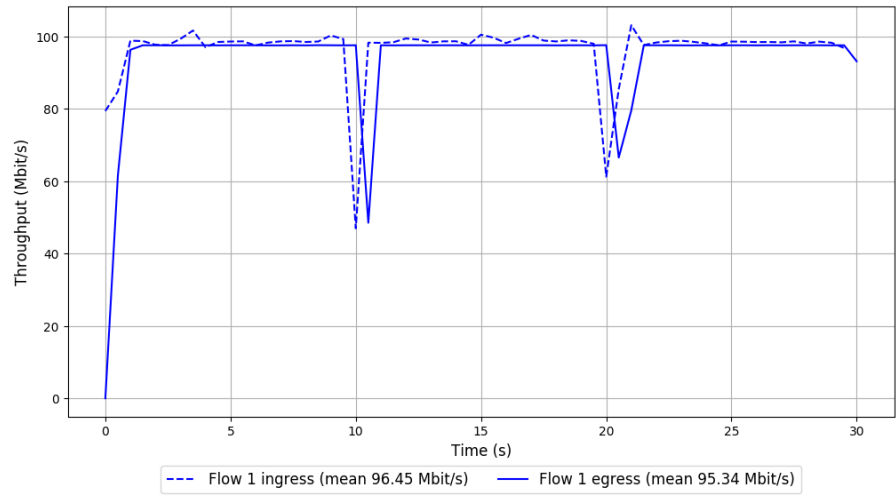
scheme	# runs	mean avg tput (Mbit/s) flow 1	mean 95th-%ile delay (ms) flow 1	mean loss rate (%) flow 1
TCP BBR	5	95.49	46.96	1.34
Copa	5	83.05	25.47	0.09
TCP Cubic	5	94.63	27.71	0.11
FillP	5	96.14	35.45	0.15
FillP-Sheep	5	94.32	23.45	0.08
Indigo	5	96.71	22.61	0.09
Indigo-MusesC3	5	96.14	23.05	0.10
Indigo-MusesC5	5	93.87	23.92	0.10
Indigo-MusesD	5	94.41	27.99	0.10
Indigo-MusesT	5	96.44	23.60	0.12
LEDBAT	5	83.94	25.24	0.11
Muses_DecisionTree	5	83.94	20.26	0.09
Muses_DecisionTreeH0	5	95.22	27.74	0.09
Muses_DecisionTreeR0	5	84.13	20.58	0.10
PCC-Allegro	5	92.67	22.80	0.09
PCC-Expr	5	85.80	43.63	0.19
QUIC Cubic	5	90.39	29.13	0.13
SCReAM	5	0.21	19.48	0.08
Sprout	5	24.35	24.76	0.09
TaoVA-100x	5	91.83	23.24	0.09
TCP Vegas	5	86.84	20.77	0.12
Verus	5	91.97	54.16	0.33
PCC-Vivace	5	87.51	20.43	0.10
WebRTC media	5	2.40	20.28	0.08

Run 1: Statistics of TCP BBR

Start at: 2019-08-27 05:54:39
End at: 2019-08-27 05:55:09
Local clock offset: -0.215 ms
Remote clock offset: -1.292 ms

Below is generated by plot.py at 2019-08-27 08:02:56
Datalink statistics
-- Total of 1 flow:
Average throughput: 95.34 Mbit/s
95th percentile per-packet one-way delay: 51.226 ms
Loss rate: 1.25%
-- Flow 1:
Average throughput: 95.34 Mbit/s
95th percentile per-packet one-way delay: 51.226 ms
Loss rate: 1.25%

Run 1: Report of TCP BBR — Data Link



Run 2: Statistics of TCP BBR

Start at: 2019-08-27 06:24:14

End at: 2019-08-27 06:24:44

Local clock offset: -0.4 ms

Remote clock offset: -5.307 ms

Below is generated by plot.py at 2019-08-27 08:02:57

Datalink statistics

-- Total of 1 flow:

Average throughput: 95.46 Mbit/s

95th percentile per-packet one-way delay: 51.026 ms

Loss rate: 1.61%

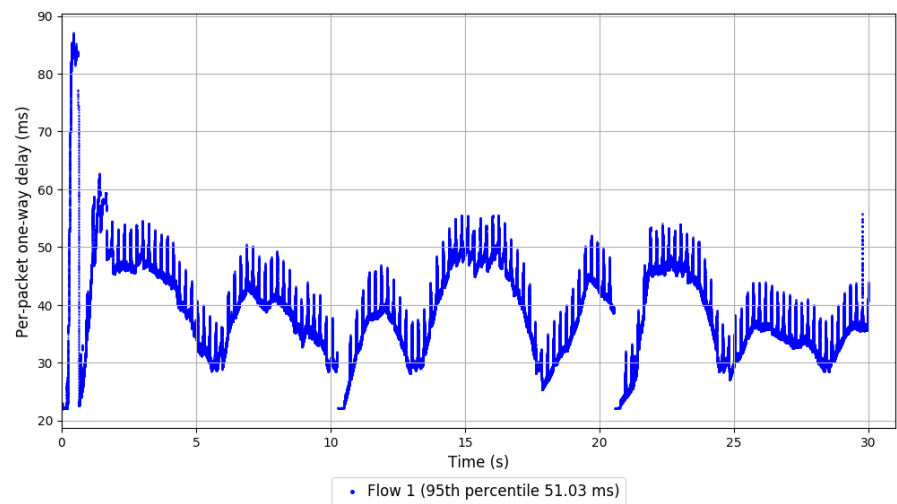
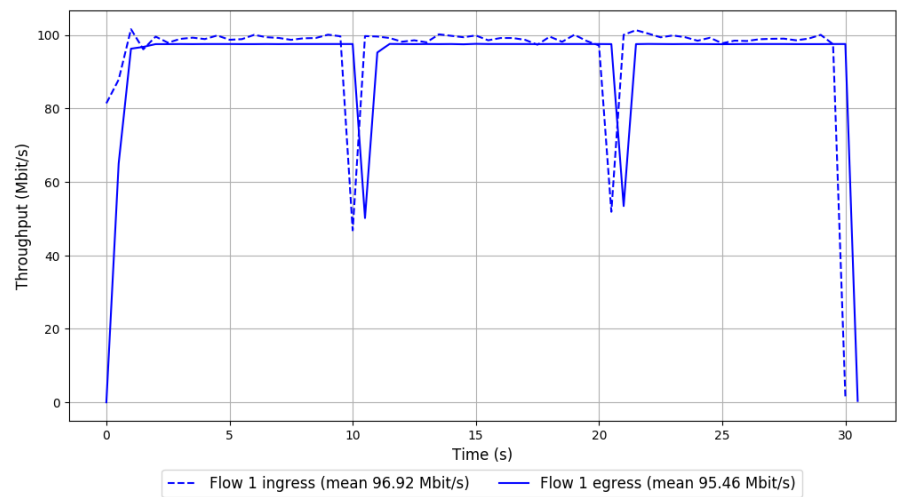
-- Flow 1:

Average throughput: 95.46 Mbit/s

95th percentile per-packet one-way delay: 51.026 ms

Loss rate: 1.61%

Run 2: Report of TCP BBR — Data Link

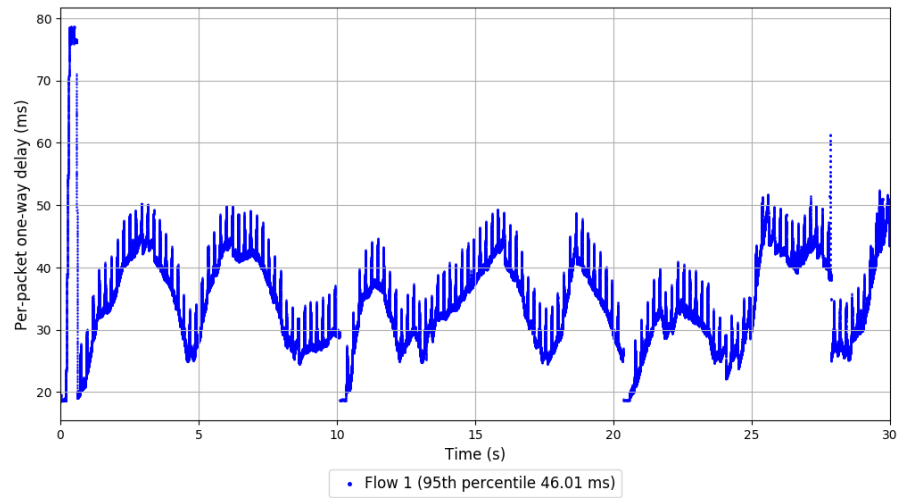
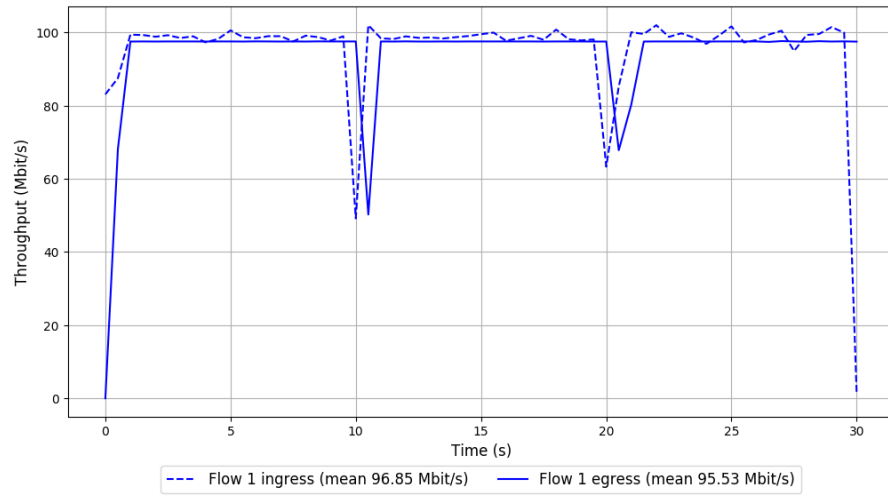


Run 3: Statistics of TCP BBR

Start at: 2019-08-27 06:53:35
End at: 2019-08-27 06:54:05
Local clock offset: 1.449 ms
Remote clock offset: -5.124 ms

Below is generated by plot.py at 2019-08-27 08:02:57
Datalink statistics
-- Total of 1 flow:
Average throughput: 95.53 Mbit/s
95th percentile per-packet one-way delay: 46.012 ms
Loss rate: 1.44%
-- Flow 1:
Average throughput: 95.53 Mbit/s
95th percentile per-packet one-way delay: 46.012 ms
Loss rate: 1.44%

Run 3: Report of TCP BBR — Data Link



Run 4: Statistics of TCP BBR

Start at: 2019-08-27 07:23:26

End at: 2019-08-27 07:23:56

Local clock offset: 1.298 ms

Remote clock offset: -6.157 ms

Below is generated by plot.py at 2019-08-27 08:02:57

Datalink statistics

-- Total of 1 flow:

Average throughput: 95.57 Mbit/s

95th percentile per-packet one-way delay: 43.367 ms

Loss rate: 1.18%

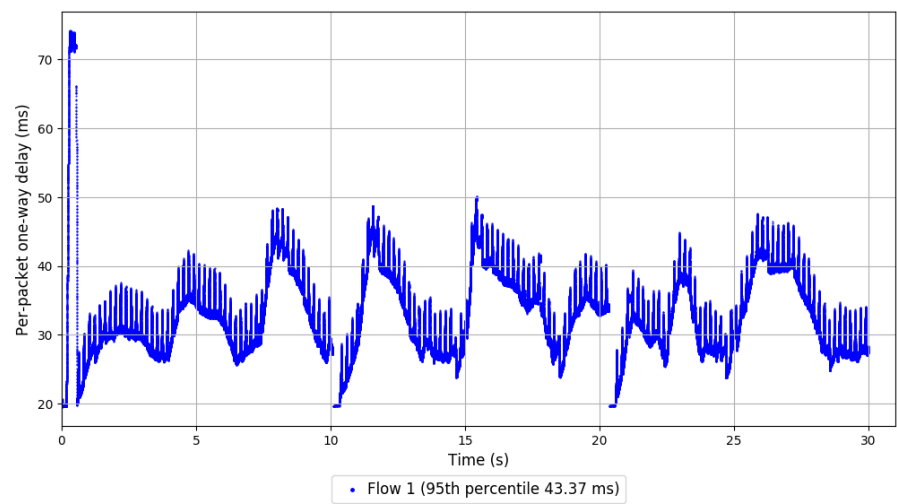
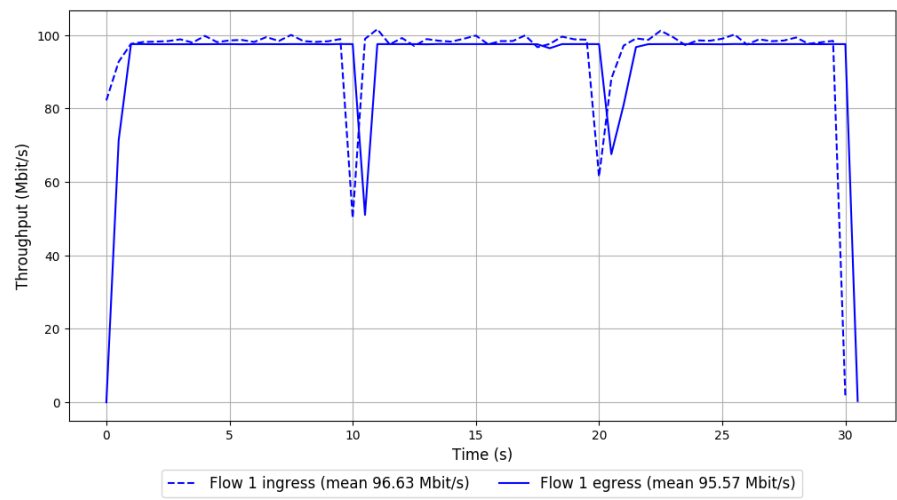
-- Flow 1:

Average throughput: 95.57 Mbit/s

95th percentile per-packet one-way delay: 43.367 ms

Loss rate: 1.18%

Run 4: Report of TCP BBR — Data Link



Run 5: Statistics of TCP BBR

Start at: 2019-08-27 07:52:43

End at: 2019-08-27 07:53:13

Local clock offset: 0.78 ms

Remote clock offset: -7.33 ms

Below is generated by plot.py at 2019-08-27 08:02:58

Datalink statistics

-- Total of 1 flow:

Average throughput: 95.55 Mbit/s

95th percentile per-packet one-way delay: 43.183 ms

Loss rate: 1.23%

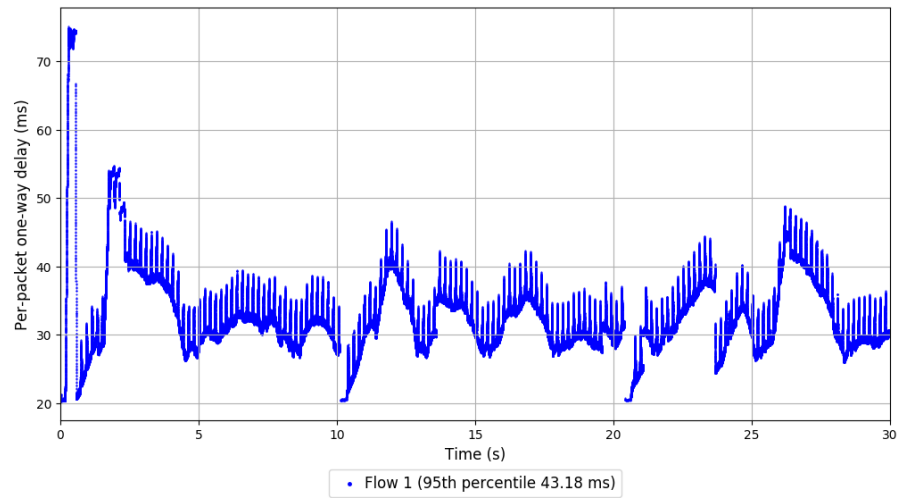
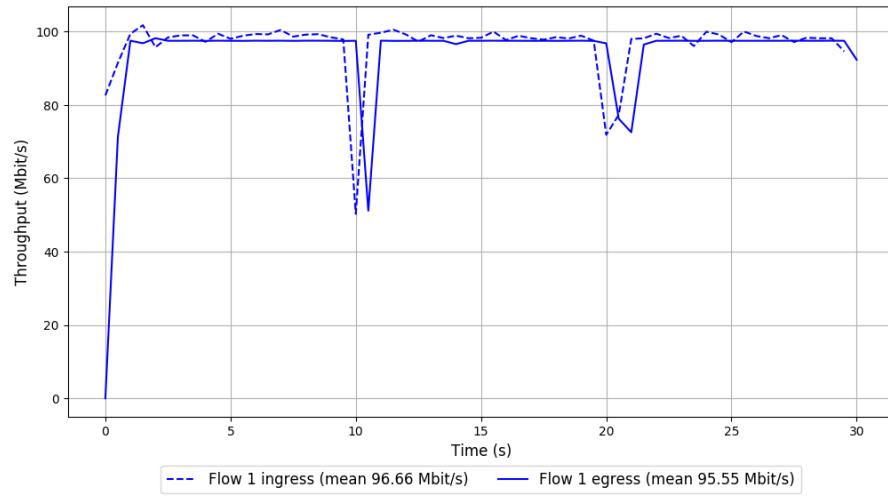
-- Flow 1:

Average throughput: 95.55 Mbit/s

95th percentile per-packet one-way delay: 43.183 ms

Loss rate: 1.23%

Run 5: Report of TCP BBR — Data Link

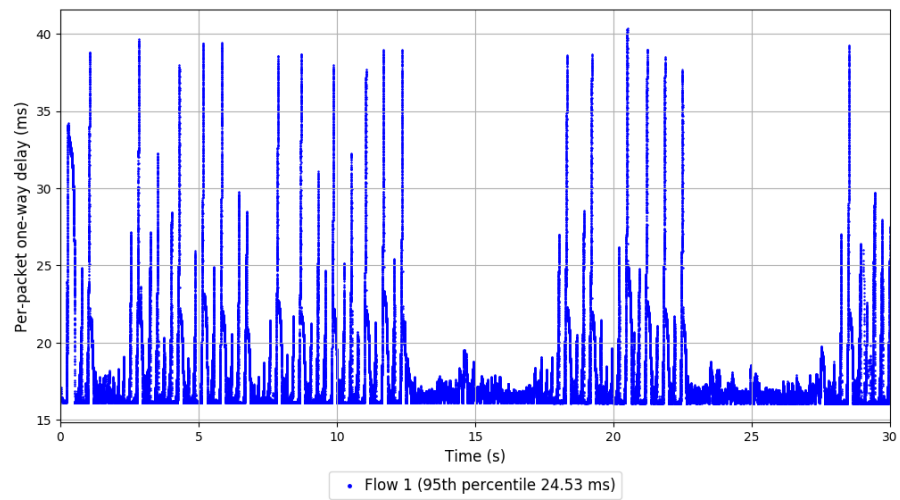
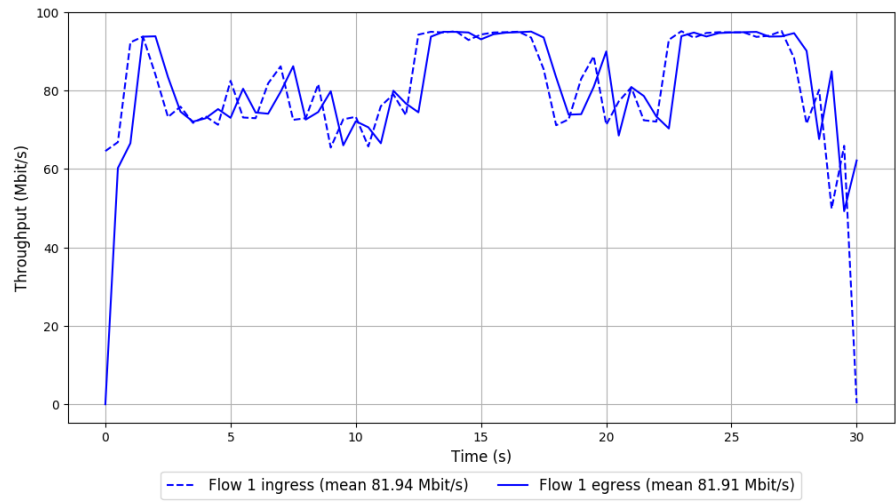


Run 1: Statistics of Copa

Start at: 2019-08-27 05:44:52
End at: 2019-08-27 05:45:22
Local clock offset: -0.867 ms
Remote clock offset: -0.145 ms

Below is generated by plot.py at 2019-08-27 08:03:38
Datalink statistics
-- Total of 1 flow:
Average throughput: 81.91 Mbit/s
95th percentile per-packet one-way delay: 24.534 ms
Loss rate: 0.12%
-- Flow 1:
Average throughput: 81.91 Mbit/s
95th percentile per-packet one-way delay: 24.534 ms
Loss rate: 0.12%

Run 1: Report of Copa — Data Link

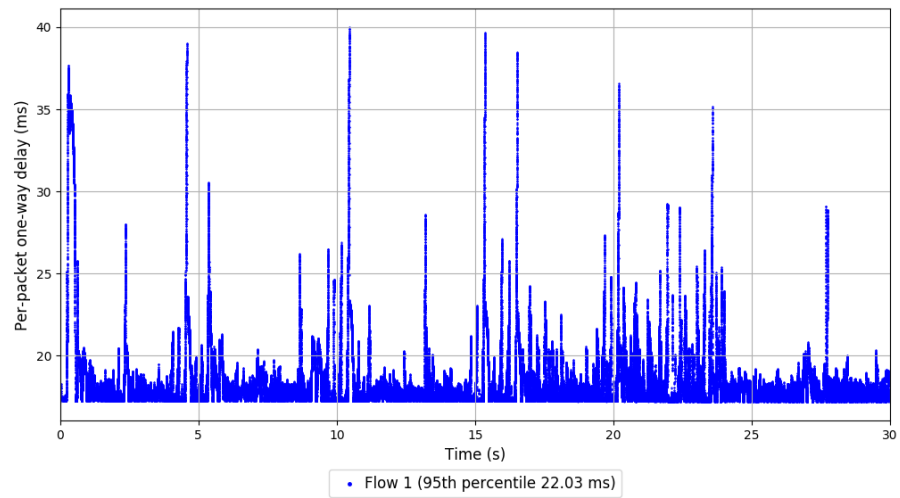
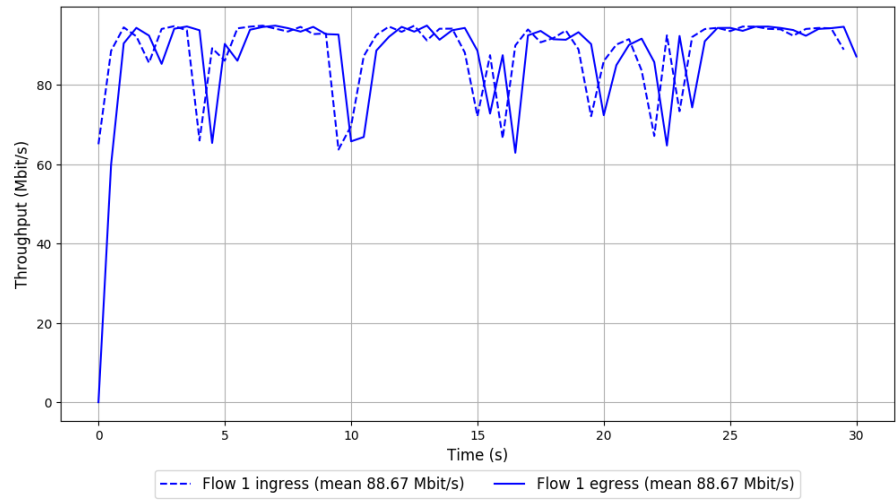


Run 2: Statistics of Copa

Start at: 2019-08-27 06:13:45
End at: 2019-08-27 06:14:15
Local clock offset: 0.019 ms
Remote clock offset: -3.623 ms

Below is generated by plot.py at 2019-08-27 08:03:52
Datalink statistics
-- Total of 1 flow:
Average throughput: 88.67 Mbit/s
95th percentile per-packet one-way delay: 22.029 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 88.67 Mbit/s
95th percentile per-packet one-way delay: 22.029 ms
Loss rate: 0.09%

Run 2: Report of Copa — Data Link

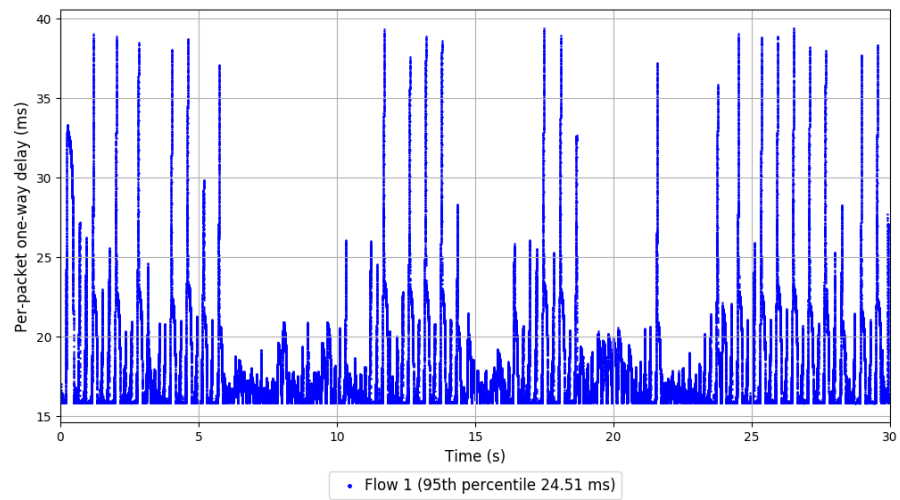
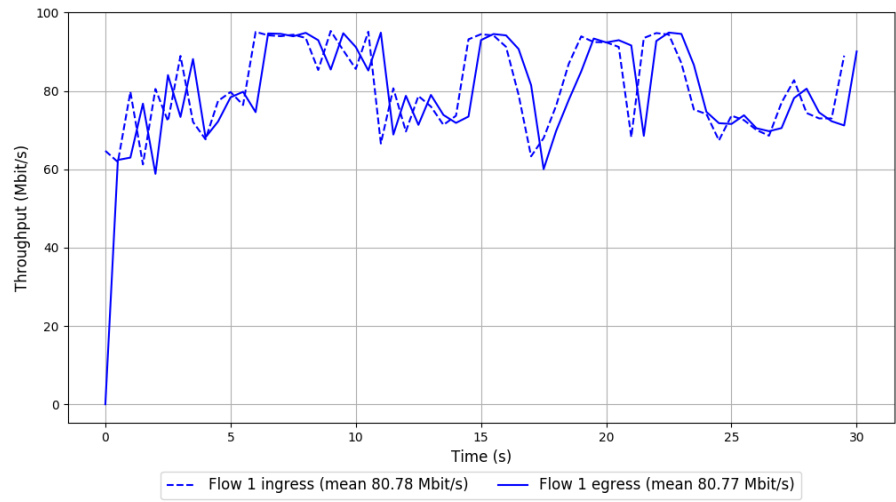


Run 3: Statistics of Copa

Start at: 2019-08-27 06:43:44
End at: 2019-08-27 06:44:14
Local clock offset: 0.154 ms
Remote clock offset: -3.612 ms

Below is generated by plot.py at 2019-08-27 08:03:52
Datalink statistics
-- Total of 1 flow:
Average throughput: 80.77 Mbit/s
95th percentile per-packet one-way delay: 24.514 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 80.77 Mbit/s
95th percentile per-packet one-way delay: 24.514 ms
Loss rate: 0.10%

Run 3: Report of Copa — Data Link

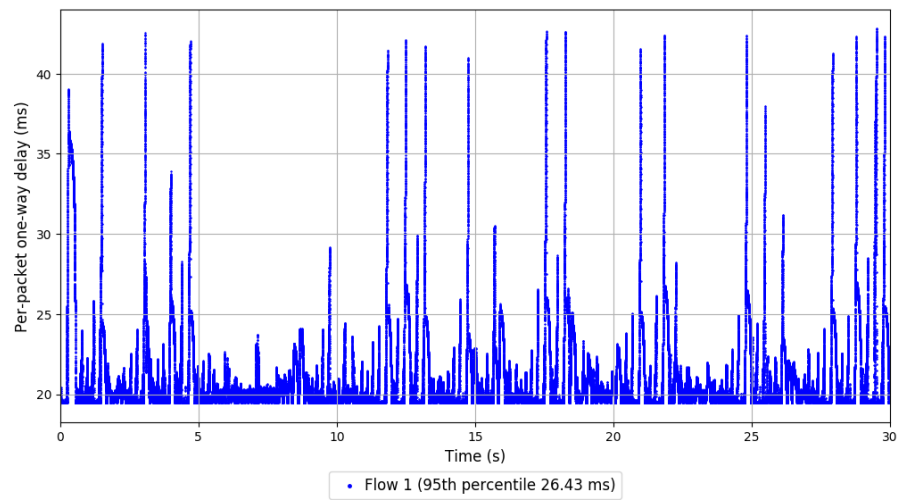
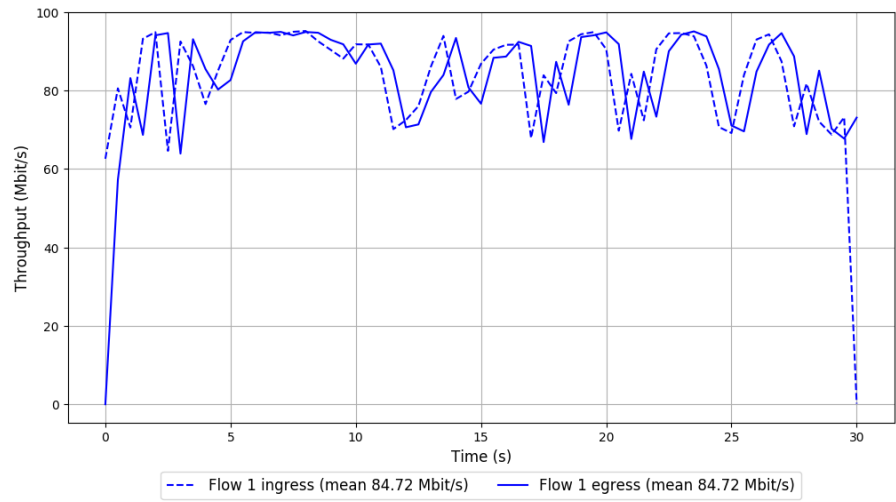


Run 4: Statistics of Copa

Start at: 2019-08-27 07:13:07
End at: 2019-08-27 07:13:37
Local clock offset: 1.305 ms
Remote clock offset: -4.591 ms

Below is generated by plot.py at 2019-08-27 08:04:46
Datalink statistics
-- Total of 1 flow:
Average throughput: 84.72 Mbit/s
95th percentile per-packet one-way delay: 26.435 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 84.72 Mbit/s
95th percentile per-packet one-way delay: 26.435 ms
Loss rate: 0.09%

Run 4: Report of Copa — Data Link

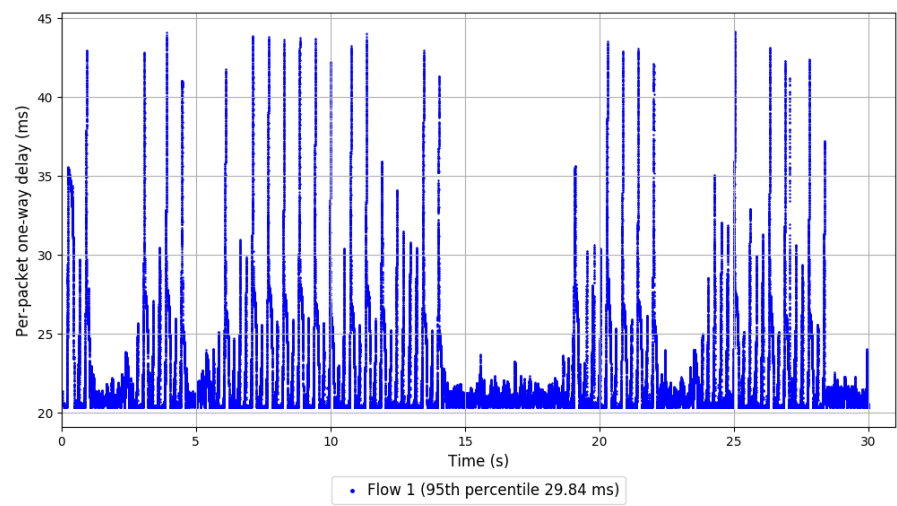
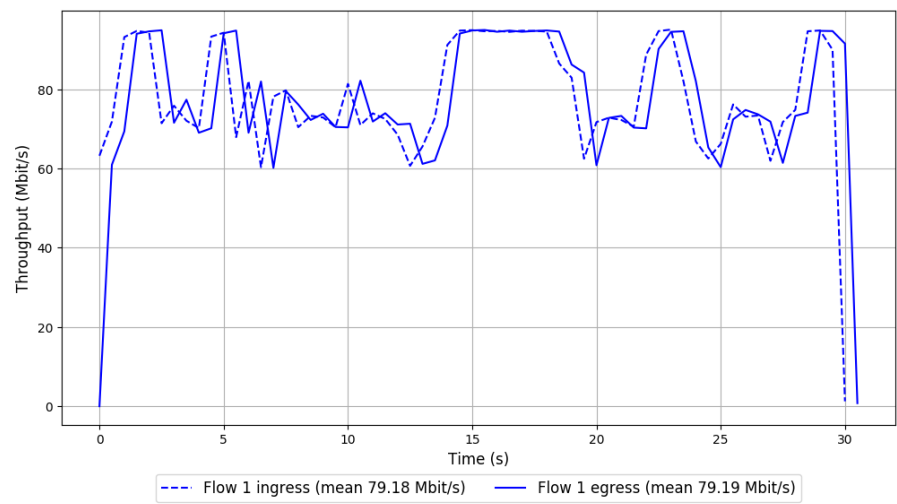


Run 5: Statistics of Copa

Start at: 2019-08-27 07:42:57
End at: 2019-08-27 07:43:27
Local clock offset: 1.164 ms
Remote clock offset: -6.989 ms

Below is generated by plot.py at 2019-08-27 08:04:46
Datalink statistics
-- Total of 1 flow:
Average throughput: 79.19 Mbit/s
95th percentile per-packet one-way delay: 29.842 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 79.19 Mbit/s
95th percentile per-packet one-way delay: 29.842 ms
Loss rate: 0.06%

Run 5: Report of Copa — Data Link

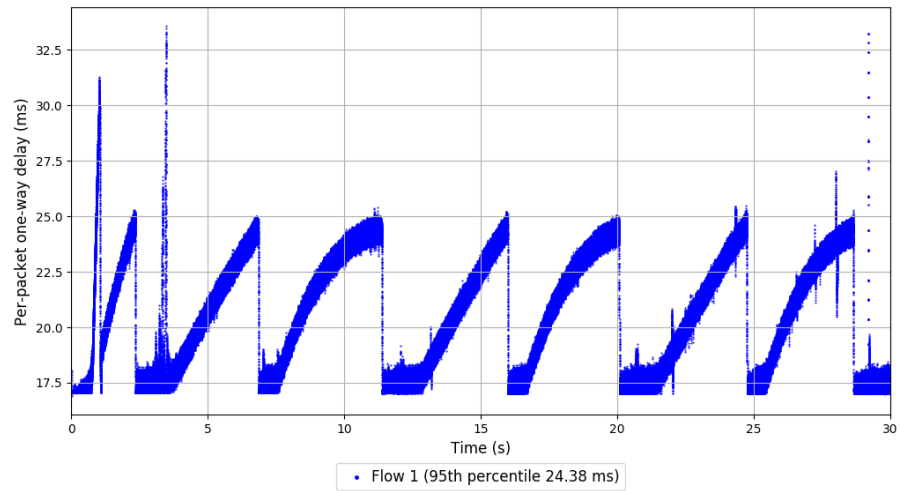
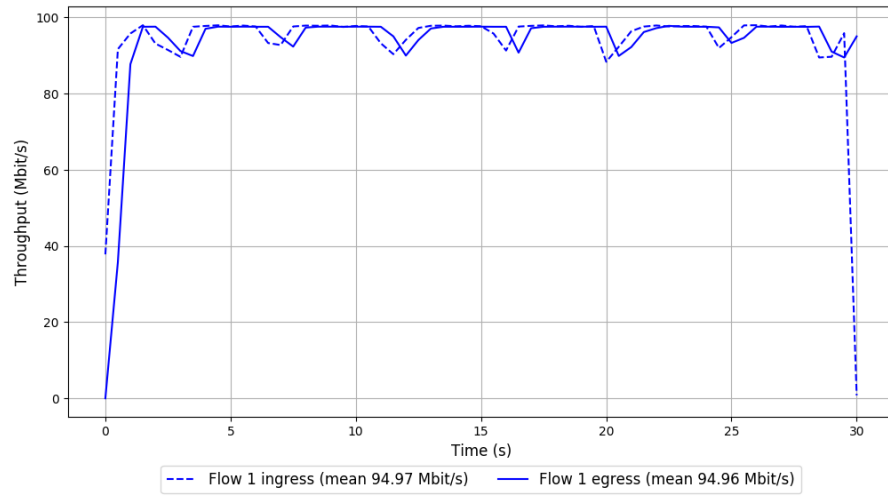


Run 1: Statistics of TCP Cubic

Start at: 2019-08-27 05:51:01
End at: 2019-08-27 05:51:31
Local clock offset: -1.075 ms
Remote clock offset: -0.753 ms

Below is generated by plot.py at 2019-08-27 08:04:46
Datalink statistics
-- Total of 1 flow:
Average throughput: 94.96 Mbit/s
95th percentile per-packet one-way delay: 24.377 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 94.96 Mbit/s
95th percentile per-packet one-way delay: 24.377 ms
Loss rate: 0.09%

Run 1: Report of TCP Cubic — Data Link



Run 2: Statistics of TCP Cubic

Start at: 2019-08-27 06:20:28

End at: 2019-08-27 06:20:58

Local clock offset: -1.052 ms

Remote clock offset: -3.97 ms

Below is generated by plot.py at 2019-08-27 08:04:46

Datalink statistics

-- Total of 1 flow:

Average throughput: 94.35 Mbit/s

95th percentile per-packet one-way delay: 27.591 ms

Loss rate: 0.10%

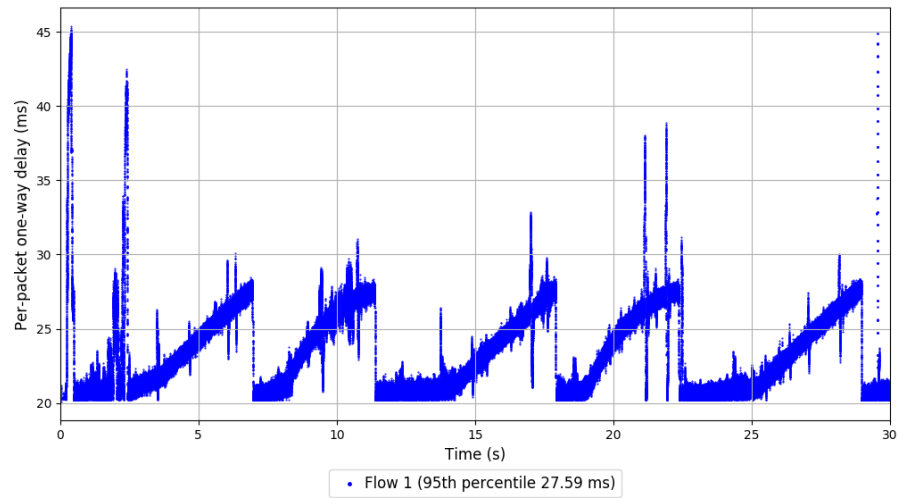
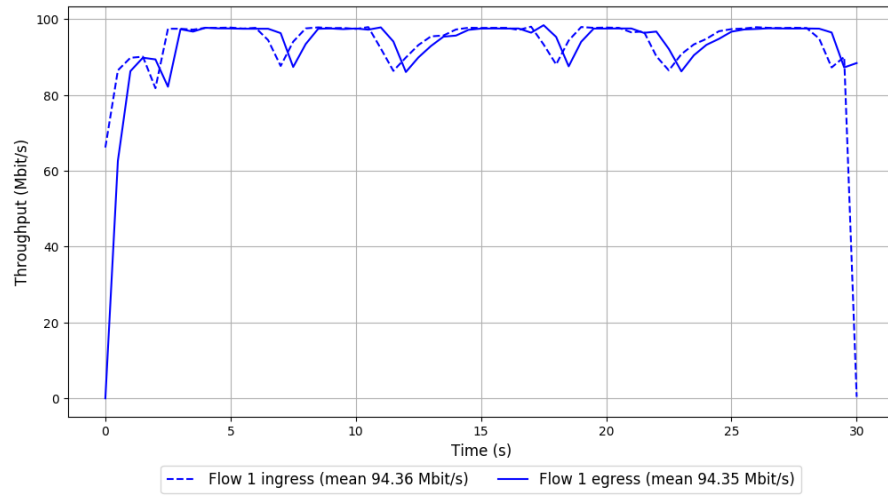
-- Flow 1:

Average throughput: 94.35 Mbit/s

95th percentile per-packet one-way delay: 27.591 ms

Loss rate: 0.10%

Run 2: Report of TCP Cubic — Data Link

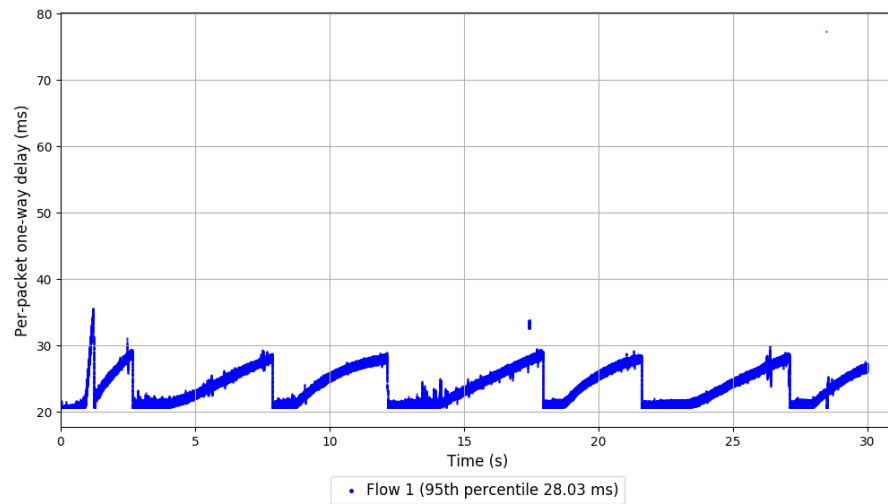
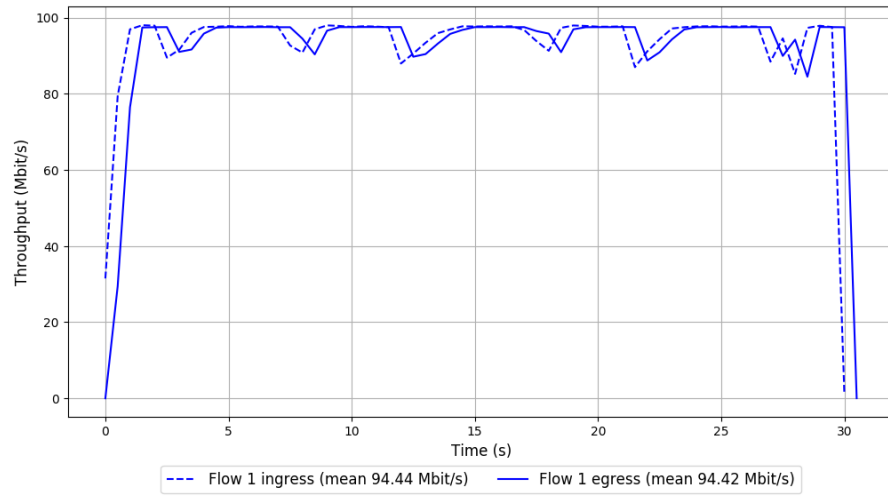


Run 3: Statistics of TCP Cubic

Start at: 2019-08-27 06:50:02
End at: 2019-08-27 06:50:32
Local clock offset: 1.324 ms
Remote clock offset: -6.108 ms

Below is generated by plot.py at 2019-08-27 08:04:46
Datalink statistics
-- Total of 1 flow:
Average throughput: 94.42 Mbit/s
95th percentile per-packet one-way delay: 28.031 ms
Loss rate: 0.11%
-- Flow 1:
Average throughput: 94.42 Mbit/s
95th percentile per-packet one-way delay: 28.031 ms
Loss rate: 0.11%

Run 3: Report of TCP Cubic — Data Link

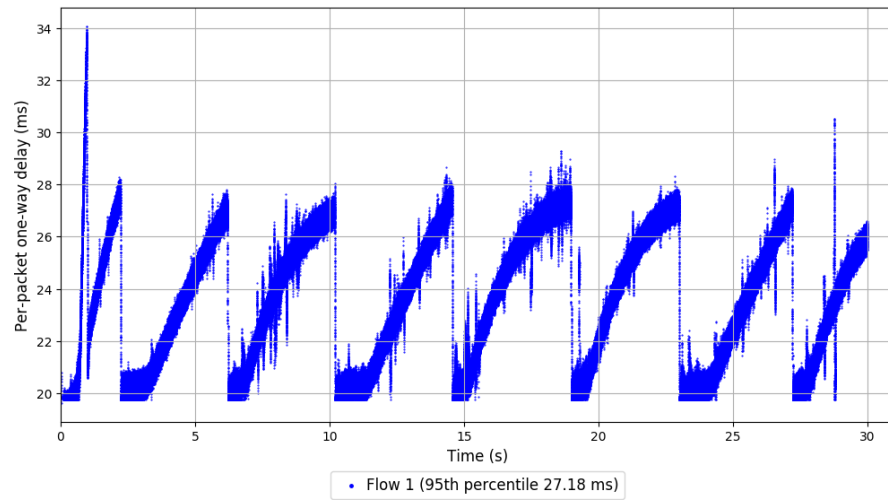
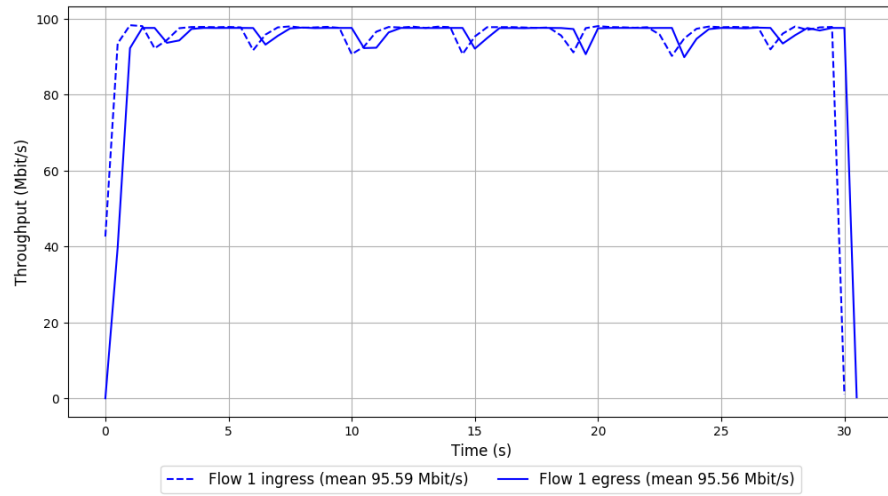


Run 4: Statistics of TCP Cubic

Start at: 2019-08-27 07:19:35
End at: 2019-08-27 07:20:05
Local clock offset: 1.692 ms
Remote clock offset: -5.886 ms

Below is generated by plot.py at 2019-08-27 08:04:46
Datalink statistics
-- Total of 1 flow:
Average throughput: 95.56 Mbit/s
95th percentile per-packet one-way delay: 27.179 ms
Loss rate: 0.11%
-- Flow 1:
Average throughput: 95.56 Mbit/s
95th percentile per-packet one-way delay: 27.179 ms
Loss rate: 0.11%

Run 4: Report of TCP Cubic — Data Link

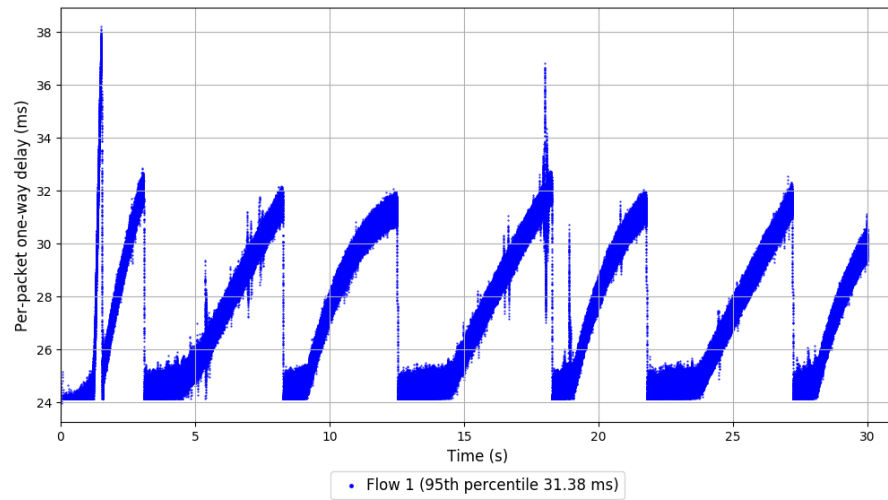
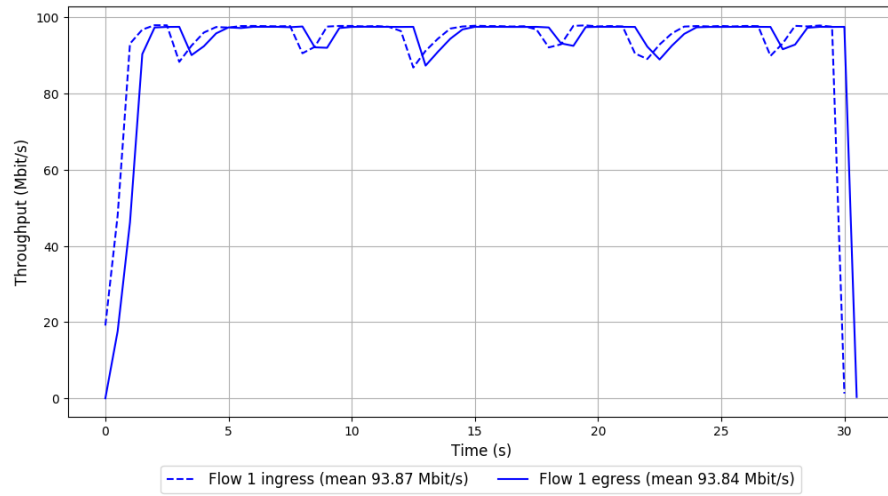


Run 5: Statistics of TCP Cubic

Start at: 2019-08-27 07:49:08
End at: 2019-08-27 07:49:38
Local clock offset: 0.861 ms
Remote clock offset: -6.737 ms

Below is generated by plot.py at 2019-08-27 08:04:46
Datalink statistics
-- Total of 1 flow:
Average throughput: 93.84 Mbit/s
95th percentile per-packet one-way delay: 31.375 ms
Loss rate: 0.12%
-- Flow 1:
Average throughput: 93.84 Mbit/s
95th percentile per-packet one-way delay: 31.375 ms
Loss rate: 0.12%

Run 5: Report of TCP Cubic — Data Link



Run 1: Statistics of FillP

Start at: 2019-08-27 05:34:19

End at: 2019-08-27 05:34:49

Local clock offset: -0.45 ms

Remote clock offset: -0.37 ms

Below is generated by plot.py at 2019-08-27 08:05:14

Datalink statistics

-- Total of 1 flow:

Average throughput: 95.81 Mbit/s

95th percentile per-packet one-way delay: 27.474 ms

Loss rate: 0.11%

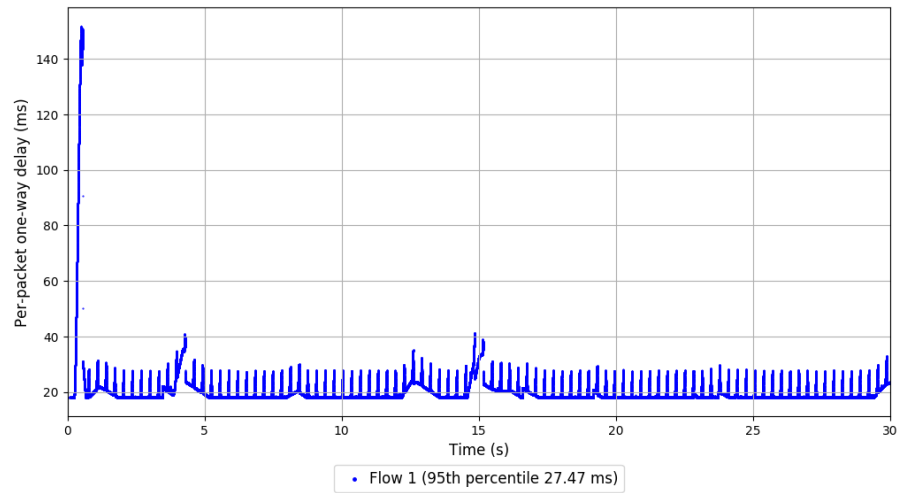
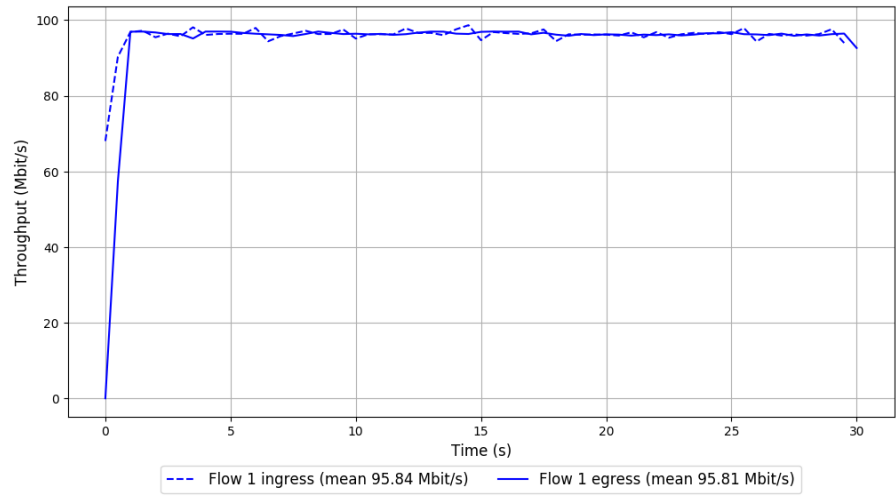
-- Flow 1:

Average throughput: 95.81 Mbit/s

95th percentile per-packet one-way delay: 27.474 ms

Loss rate: 0.11%

Run 1: Report of FillP — Data Link

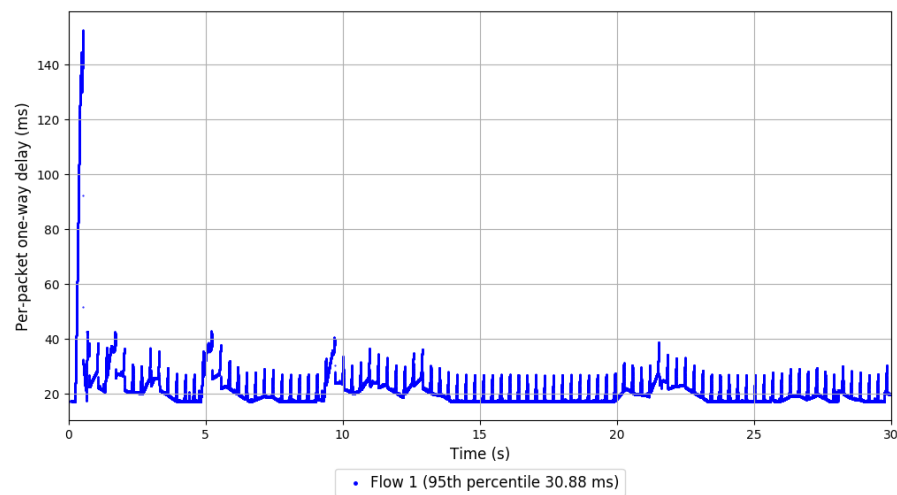
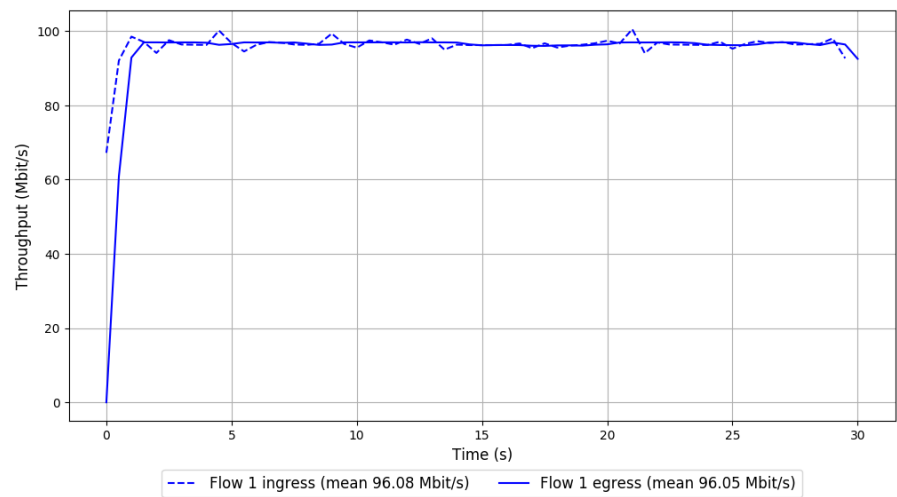


Run 2: Statistics of FillP

Start at: 2019-08-27 06:03:06
End at: 2019-08-27 06:03:36
Local clock offset: 0.334 ms
Remote clock offset: -2.313 ms

Below is generated by plot.py at 2019-08-27 08:05:22
Datalink statistics
-- Total of 1 flow:
Average throughput: 96.05 Mbit/s
95th percentile per-packet one-way delay: 30.881 ms
Loss rate: 0.11%
-- Flow 1:
Average throughput: 96.05 Mbit/s
95th percentile per-packet one-way delay: 30.881 ms
Loss rate: 0.11%

Run 2: Report of FillP — Data Link

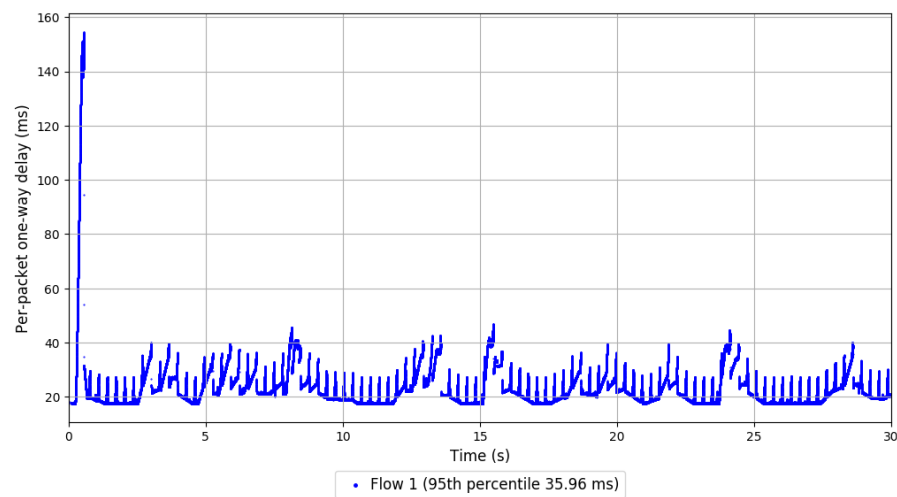
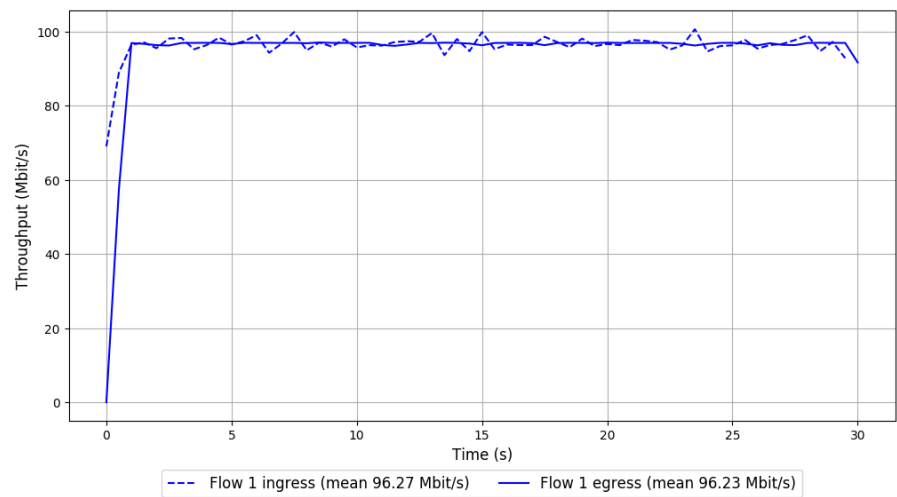


Run 3: Statistics of FillP

Start at: 2019-08-27 06:32:56
End at: 2019-08-27 06:33:26
Local clock offset: -0.467 ms
Remote clock offset: -4.426 ms

Below is generated by plot.py at 2019-08-27 08:05:22
Datalink statistics
-- Total of 1 flow:
Average throughput: 96.23 Mbit/s
95th percentile per-packet one-way delay: 35.957 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 96.23 Mbit/s
95th percentile per-packet one-way delay: 35.957 ms
Loss rate: 0.13%

Run 3: Report of FillP — Data Link

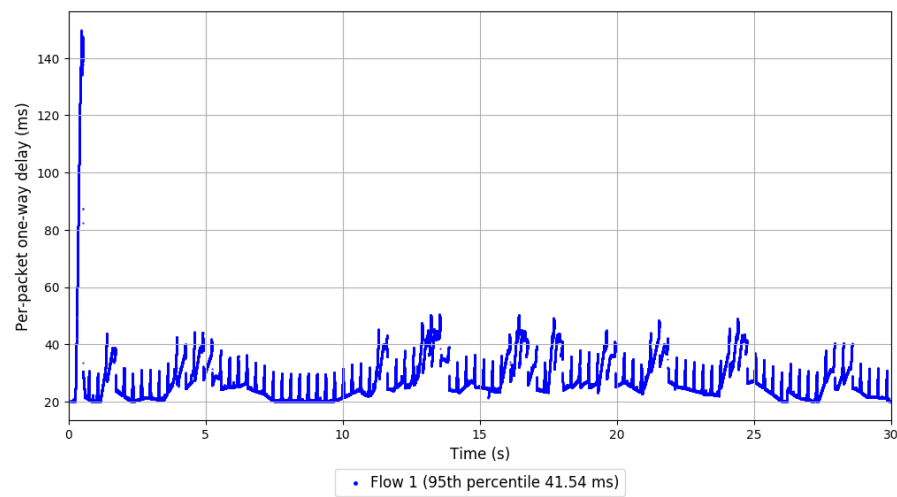
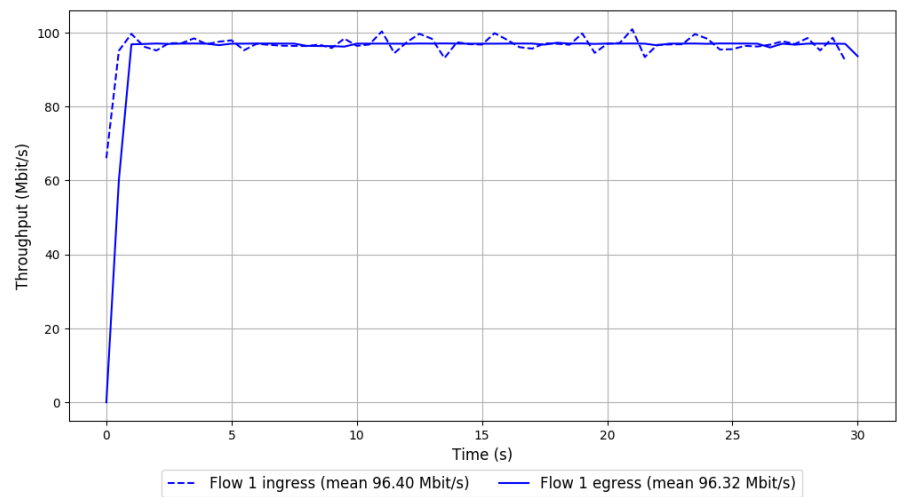


Run 4: Statistics of FillP

Start at: 2019-08-27 07:02:19
End at: 2019-08-27 07:02:49
Local clock offset: 1.803 ms
Remote clock offset: -4.966 ms

Below is generated by plot.py at 2019-08-27 08:05:22
Datalink statistics
-- Total of 1 flow:
Average throughput: 96.32 Mbit/s
95th percentile per-packet one-way delay: 41.536 ms
Loss rate: 0.16%
-- Flow 1:
Average throughput: 96.32 Mbit/s
95th percentile per-packet one-way delay: 41.536 ms
Loss rate: 0.16%

Run 4: Report of FillP — Data Link

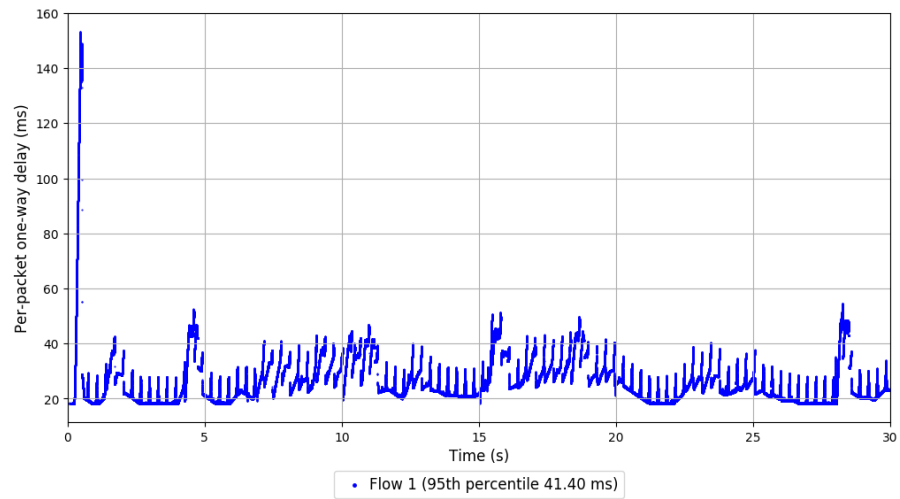
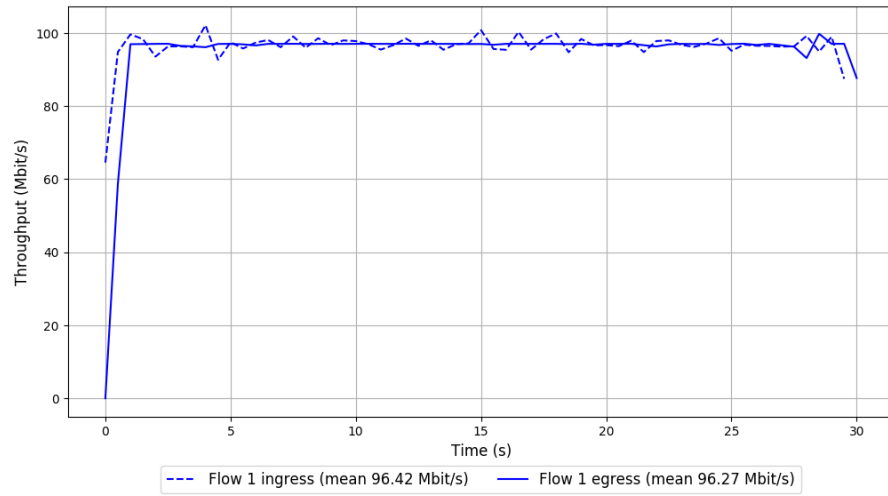


Run 5: Statistics of FillP

Start at: 2019-08-27 07:32:05
End at: 2019-08-27 07:32:35
Local clock offset: 1.781 ms
Remote clock offset: -4.468 ms

Below is generated by plot.py at 2019-08-27 08:06:00
Datalink statistics
-- Total of 1 flow:
Average throughput: 96.27 Mbit/s
95th percentile per-packet one-way delay: 41.397 ms
Loss rate: 0.24%
-- Flow 1:
Average throughput: 96.27 Mbit/s
95th percentile per-packet one-way delay: 41.397 ms
Loss rate: 0.24%

Run 5: Report of FillP — Data Link



Run 1: Statistics of FillP-Sheep

Start at: 2019-08-27 05:40:09

End at: 2019-08-27 05:40:39

Local clock offset: -0.313 ms

Remote clock offset: 0.395 ms

Below is generated by plot.py at 2019-08-27 08:06:00

Datalink statistics

-- Total of 1 flow:

Average throughput: 93.98 Mbit/s

95th percentile per-packet one-way delay: 21.255 ms

Loss rate: 0.09%

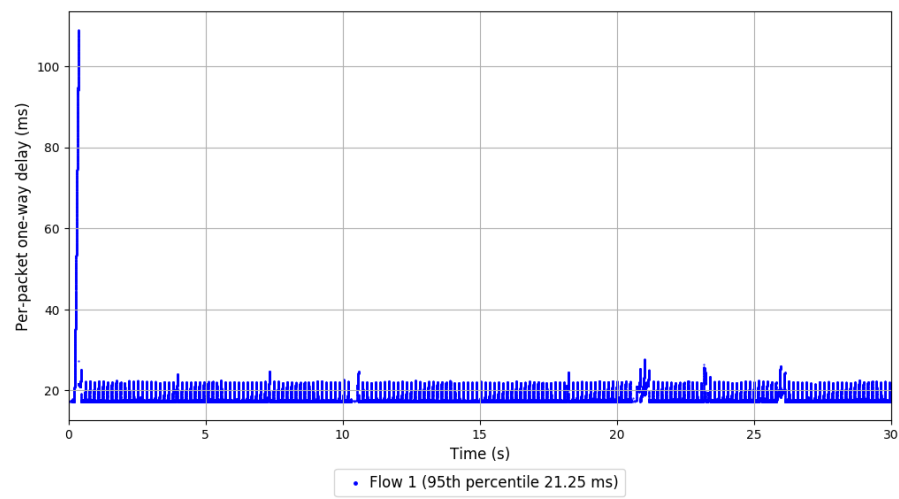
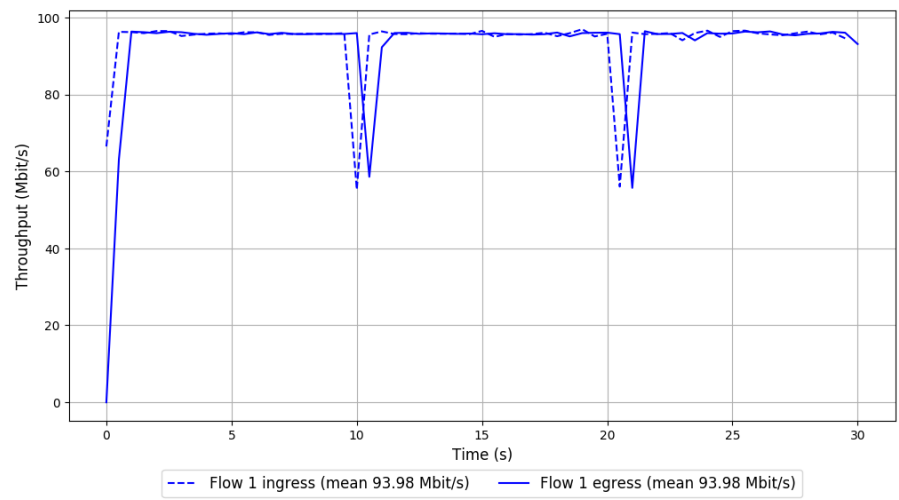
-- Flow 1:

Average throughput: 93.98 Mbit/s

95th percentile per-packet one-way delay: 21.255 ms

Loss rate: 0.09%

Run 1: Report of FillP-Sheep — Data Link

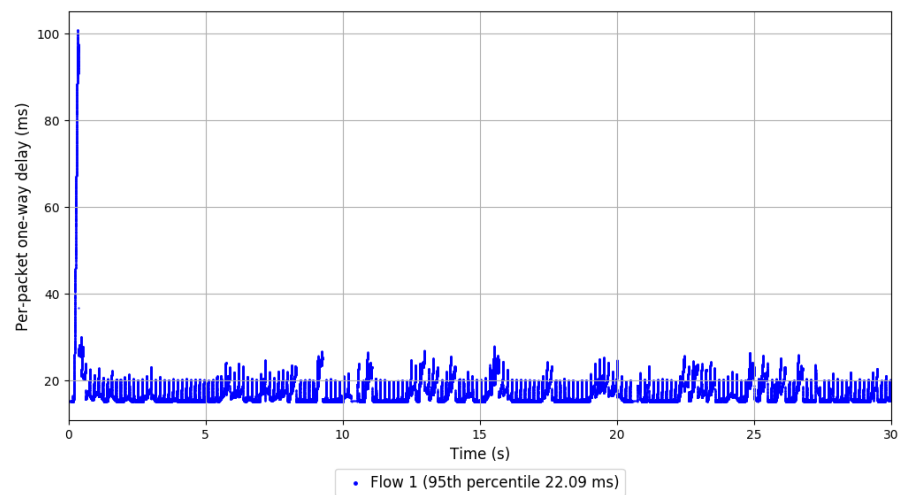
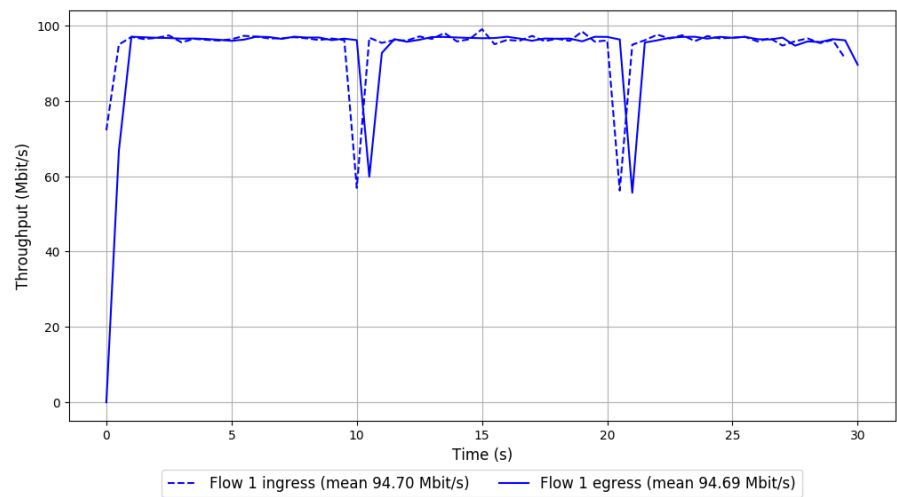


Run 2: Statistics of FillP-Sheep

Start at: 2019-08-27 06:09:00
End at: 2019-08-27 06:09:30
Local clock offset: -0.695 ms
Remote clock offset: -1.818 ms

Below is generated by plot.py at 2019-08-27 08:06:01
Datalink statistics
-- Total of 1 flow:
Average throughput: 94.69 Mbit/s
95th percentile per-packet one-way delay: 22.094 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 94.69 Mbit/s
95th percentile per-packet one-way delay: 22.094 ms
Loss rate: 0.08%

Run 2: Report of FillP-Sheep — Data Link

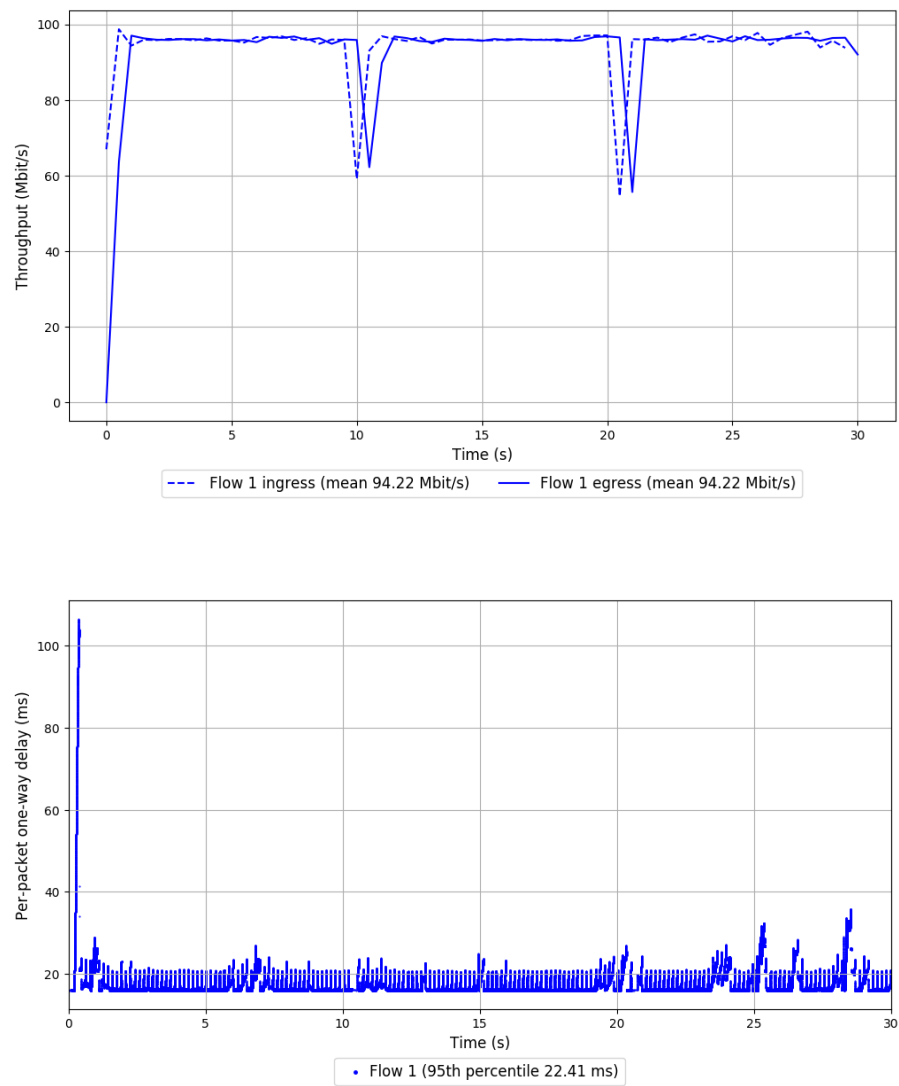


Run 3: Statistics of FillP-Sheep

Start at: 2019-08-27 06:39:07
End at: 2019-08-27 06:39:37
Local clock offset: -0.372 ms
Remote clock offset: -4.347 ms

Below is generated by plot.py at 2019-08-27 08:06:04
Datalink statistics
-- Total of 1 flow:
Average throughput: 94.22 Mbit/s
95th percentile per-packet one-way delay: 22.409 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 94.22 Mbit/s
95th percentile per-packet one-way delay: 22.409 ms
Loss rate: 0.09%

Run 3: Report of FillP-Sheep — Data Link

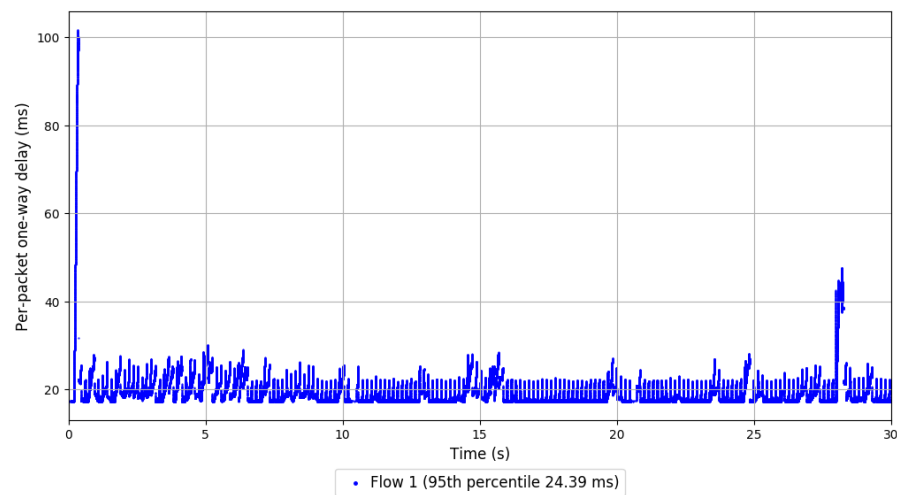
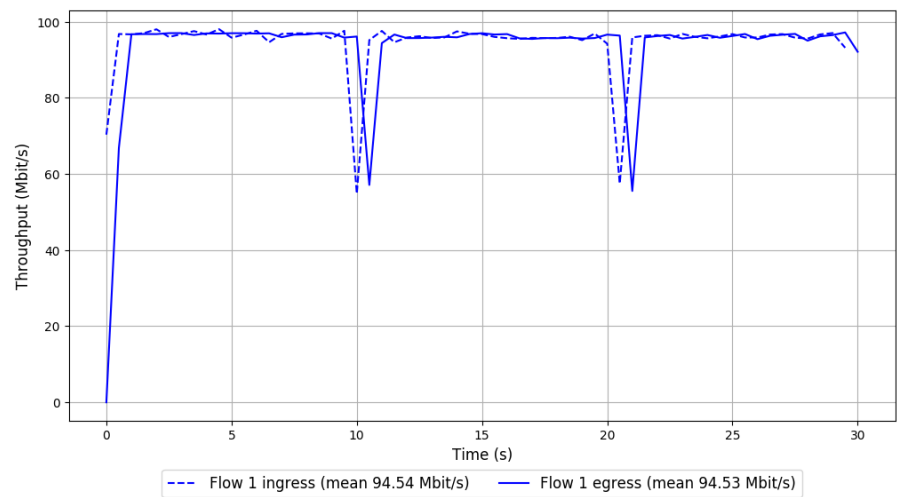


Run 4: Statistics of FillP-Sheep

Start at: 2019-08-27 07:08:21
End at: 2019-08-27 07:08:52
Local clock offset: 0.153 ms
Remote clock offset: -4.996 ms

Below is generated by plot.py at 2019-08-27 08:06:33
Datalink statistics
-- Total of 1 flow:
Average throughput: 94.53 Mbit/s
95th percentile per-packet one-way delay: 24.388 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 94.53 Mbit/s
95th percentile per-packet one-way delay: 24.388 ms
Loss rate: 0.08%

Run 4: Report of FillP-Sheep — Data Link



Run 5: Statistics of FillP-Sheep

Start at: 2019-08-27 07:38:14

End at: 2019-08-27 07:38:44

Local clock offset: 1.08 ms

Remote clock offset: -6.043 ms

Below is generated by plot.py at 2019-08-27 08:06:41

Datalink statistics

-- Total of 1 flow:

Average throughput: 94.19 Mbit/s

95th percentile per-packet one-way delay: 27.082 ms

Loss rate: 0.08%

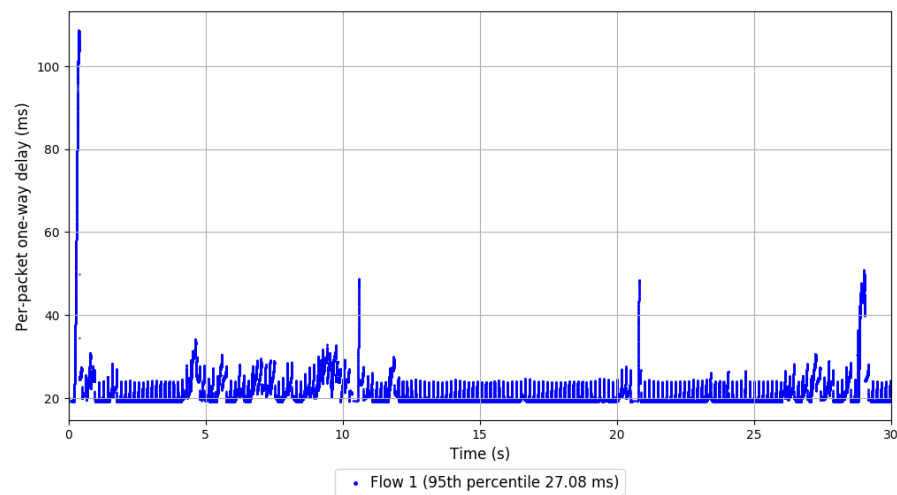
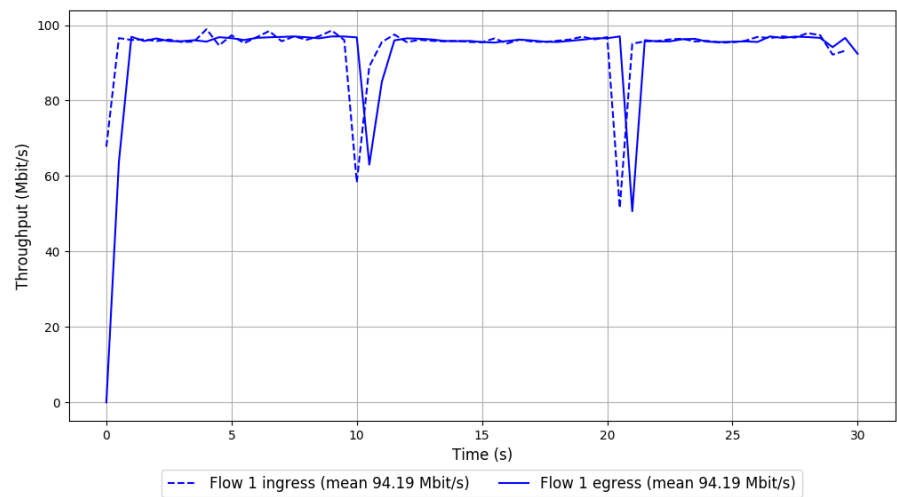
-- Flow 1:

Average throughput: 94.19 Mbit/s

95th percentile per-packet one-way delay: 27.082 ms

Loss rate: 0.08%

Run 5: Report of FillP-Sheep — Data Link

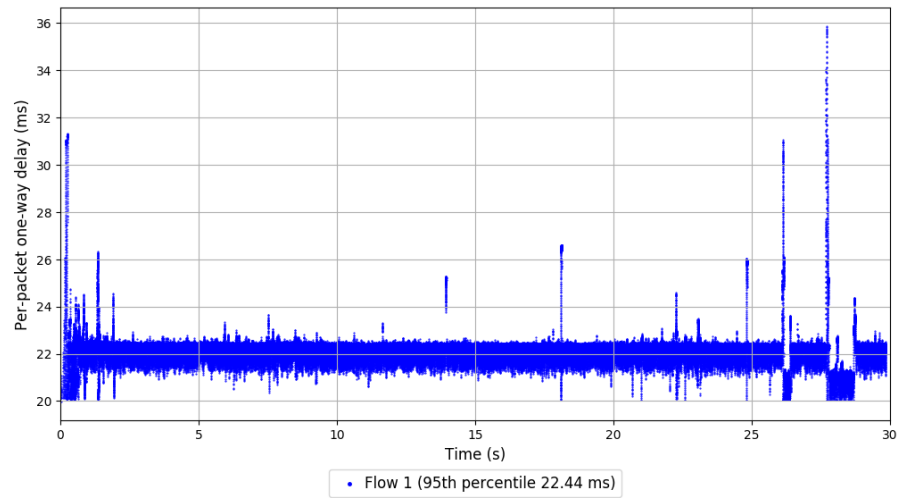
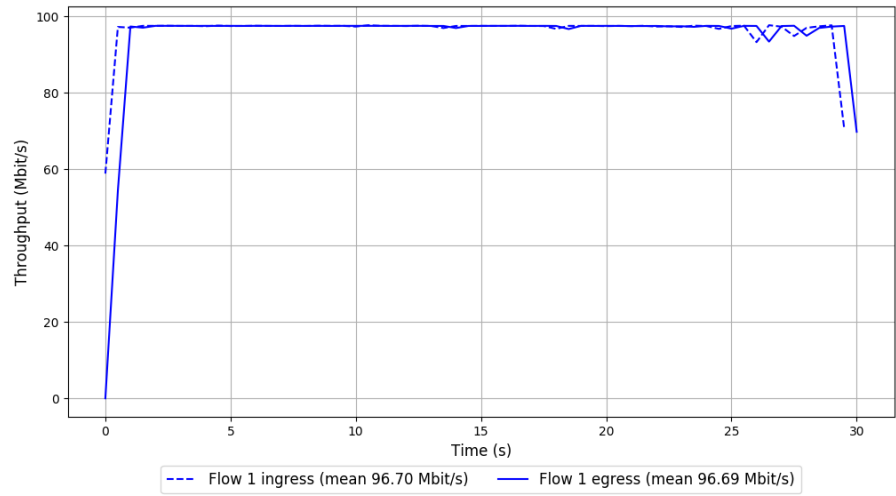


Run 1: Statistics of Indigo

Start at: 2019-08-27 05:57:00
End at: 2019-08-27 05:57:30
Local clock offset: -0.413 ms
Remote clock offset: -3.792 ms

Below is generated by plot.py at 2019-08-27 08:06:41
Datalink statistics
-- Total of 1 flow:
Average throughput: 96.69 Mbit/s
95th percentile per-packet one-way delay: 22.441 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 96.69 Mbit/s
95th percentile per-packet one-way delay: 22.441 ms
Loss rate: 0.09%

Run 1: Report of Indigo — Data Link



Run 2: Statistics of Indigo

Start at: 2019-08-27 06:26:43

End at: 2019-08-27 06:27:13

Local clock offset: -0.155 ms

Remote clock offset: -5.39 ms

Below is generated by plot.py at 2019-08-27 08:06:41

Datalink statistics

-- Total of 1 flow:

Average throughput: 96.77 Mbit/s

95th percentile per-packet one-way delay: 24.735 ms

Loss rate: 0.10%

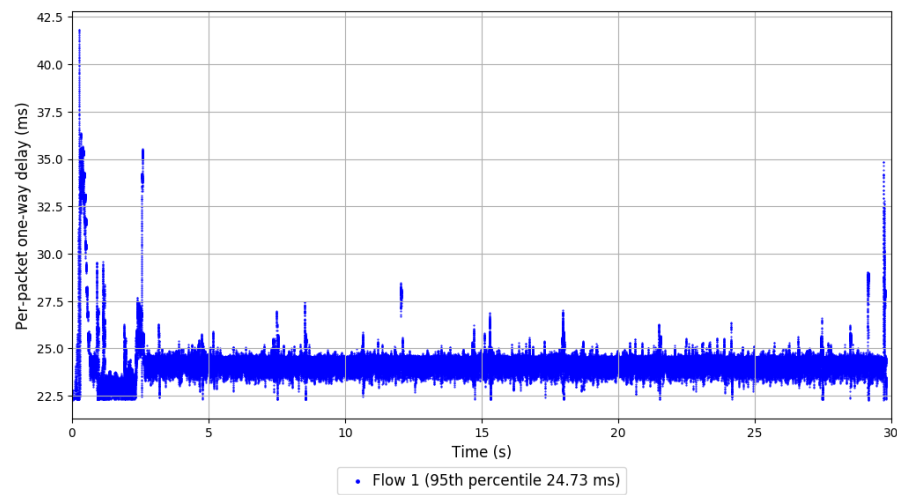
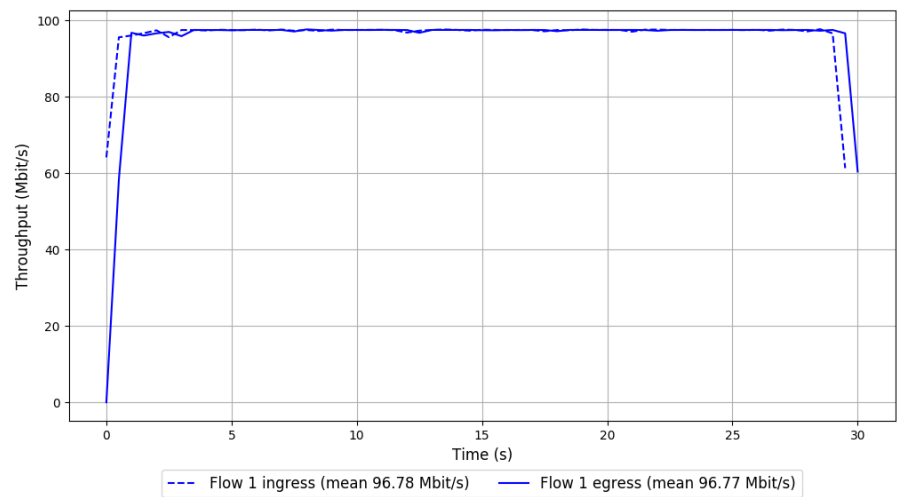
-- Flow 1:

Average throughput: 96.77 Mbit/s

95th percentile per-packet one-way delay: 24.735 ms

Loss rate: 0.10%

Run 2: Report of Indigo — Data Link

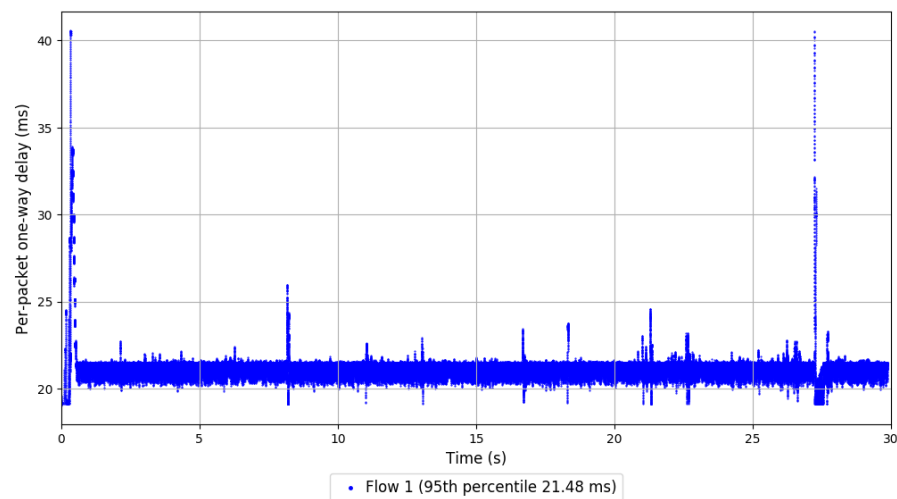
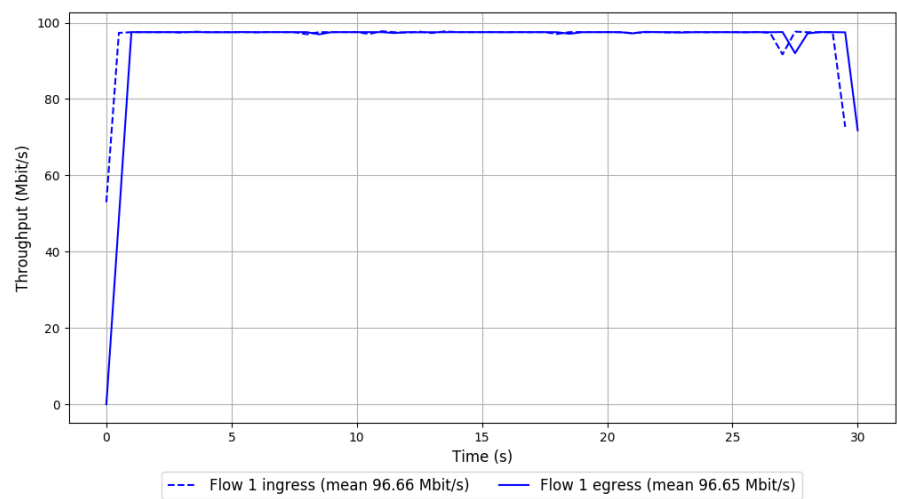


Run 3: Statistics of Indigo

Start at: 2019-08-27 06:56:09
End at: 2019-08-27 06:56:39
Local clock offset: 1.849 ms
Remote clock offset: -5.214 ms

Below is generated by plot.py at 2019-08-27 08:07:07
Datalink statistics
-- Total of 1 flow:
Average throughput: 96.65 Mbit/s
95th percentile per-packet one-way delay: 21.477 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 96.65 Mbit/s
95th percentile per-packet one-way delay: 21.477 ms
Loss rate: 0.09%

Run 3: Report of Indigo — Data Link



Run 4: Statistics of Indigo

Start at: 2019-08-27 07:25:54

End at: 2019-08-27 07:26:24

Local clock offset: 0.602 ms

Remote clock offset: -7.385 ms

Below is generated by plot.py at 2019-08-27 08:07:08

Datalink statistics

-- Total of 1 flow:

Average throughput: 96.65 Mbit/s

95th percentile per-packet one-way delay: 22.761 ms

Loss rate: 0.09%

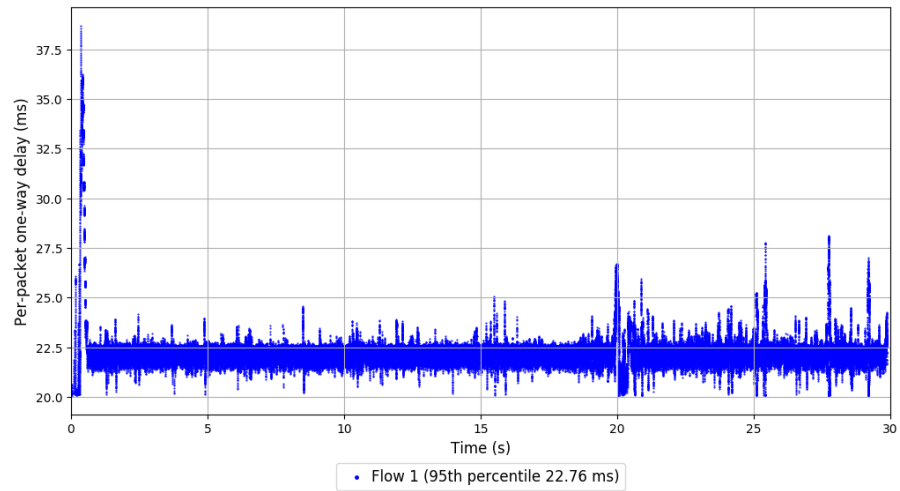
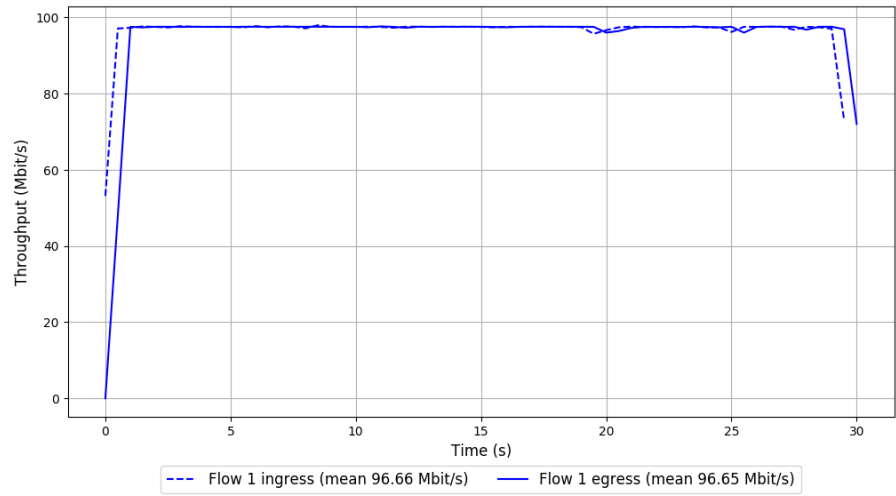
-- Flow 1:

Average throughput: 96.65 Mbit/s

95th percentile per-packet one-way delay: 22.761 ms

Loss rate: 0.09%

Run 4: Report of Indigo — Data Link

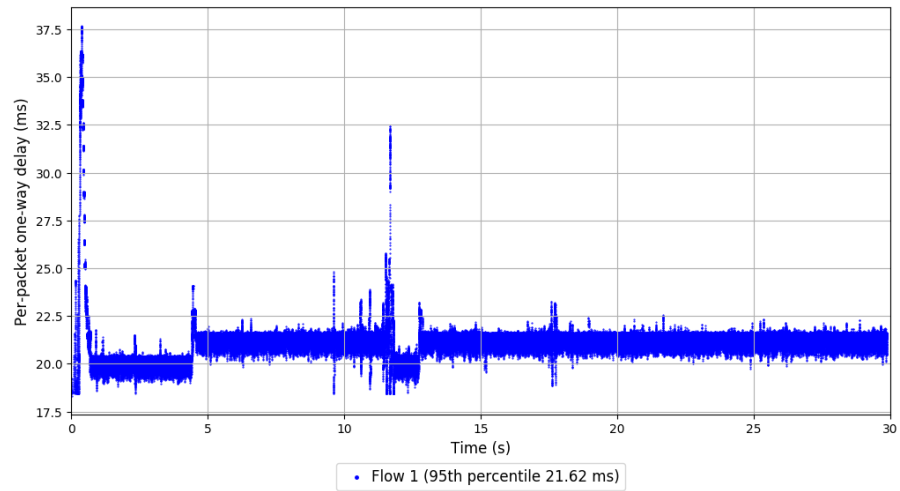
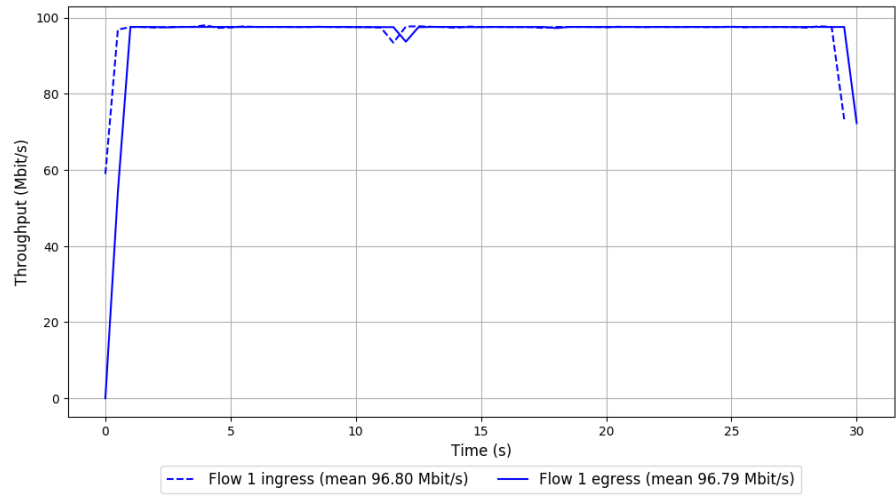


Run 5: Statistics of Indigo

Start at: 2019-08-27 07:55:11
End at: 2019-08-27 07:55:41
Local clock offset: 0.411 ms
Remote clock offset: -5.681 ms

Below is generated by plot.py at 2019-08-27 08:07:09
Datalink statistics
-- Total of 1 flow:
Average throughput: 96.79 Mbit/s
95th percentile per-packet one-way delay: 21.623 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 96.79 Mbit/s
95th percentile per-packet one-way delay: 21.623 ms
Loss rate: 0.09%

Run 5: Report of Indigo — Data Link

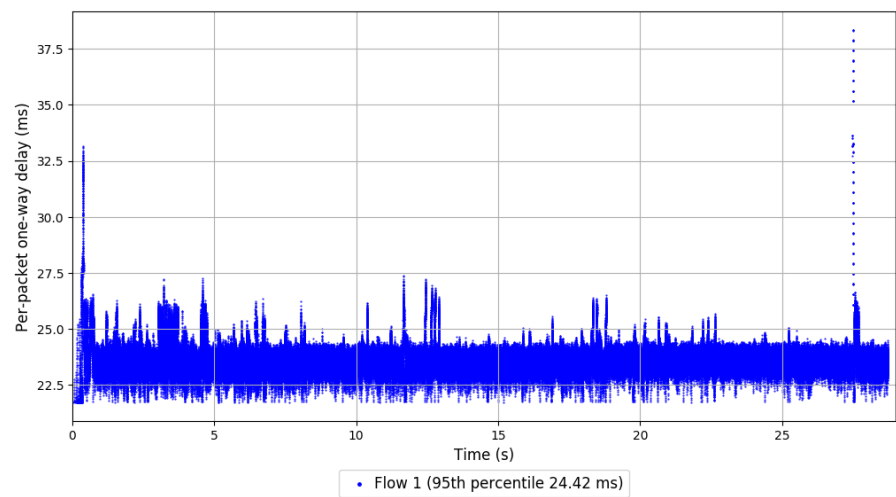
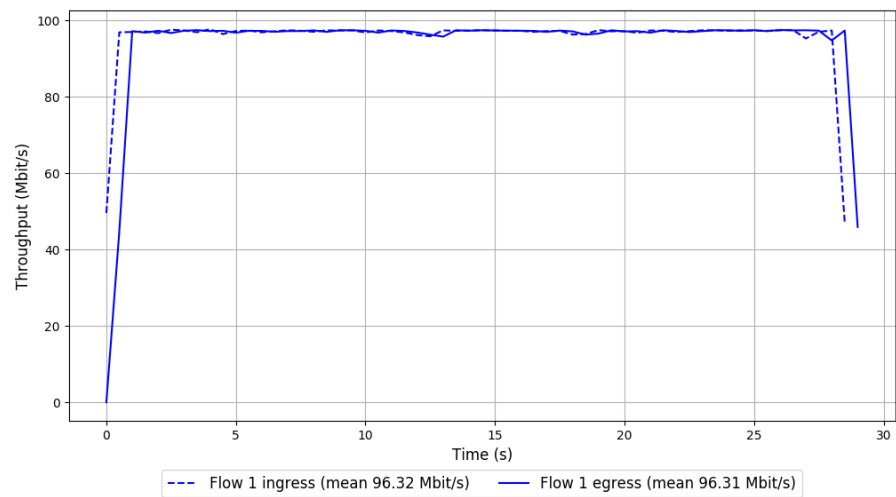


Run 1: Statistics of Indigo-MusesC3

Start at: 2019-08-27 05:36:41
End at: 2019-08-27 05:37:11
Local clock offset: -0.641 ms
Remote clock offset: -1.011 ms

Below is generated by plot.py at 2019-08-27 08:07:11
Datalink statistics
-- Total of 1 flow:
Average throughput: 96.31 Mbit/s
95th percentile per-packet one-way delay: 24.424 ms
Loss rate: 0.11%
-- Flow 1:
Average throughput: 96.31 Mbit/s
95th percentile per-packet one-way delay: 24.424 ms
Loss rate: 0.11%

Run 1: Report of Indigo-MusesC3 — Data Link

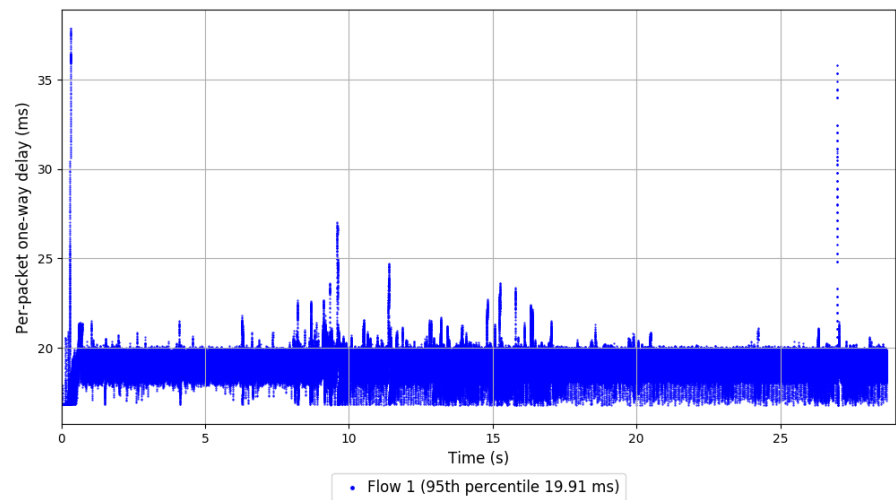
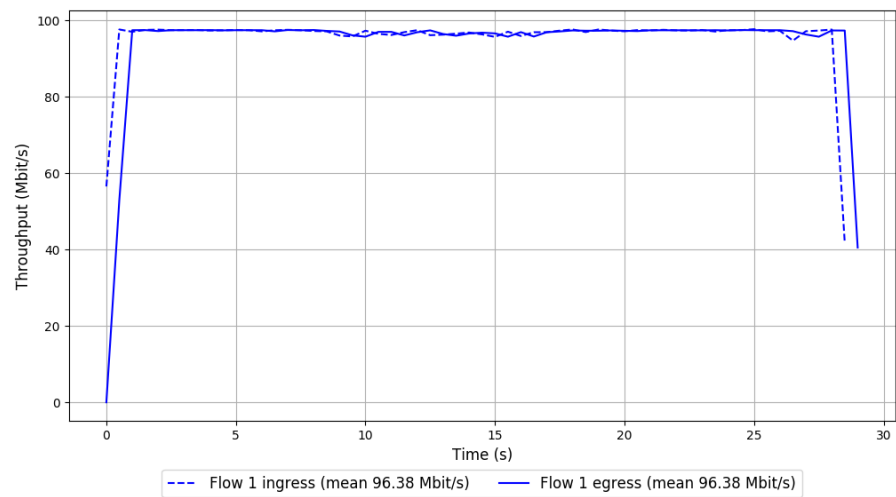


Run 2: Statistics of Indigo-MusesC3

Start at: 2019-08-27 06:05:32
End at: 2019-08-27 06:06:02
Local clock offset: -0.499 ms
Remote clock offset: -2.885 ms

Below is generated by plot.py at 2019-08-27 08:07:36
Datalink statistics
-- Total of 1 flow:
Average throughput: 96.38 Mbit/s
95th percentile per-packet one-way delay: 19.906 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 96.38 Mbit/s
95th percentile per-packet one-way delay: 19.906 ms
Loss rate: 0.09%

Run 2: Report of Indigo-MusesC3 — Data Link



Run 3: Statistics of Indigo-MusesC3

Start at: 2019-08-27 06:35:34

End at: 2019-08-27 06:36:04

Local clock offset: -0.921 ms

Remote clock offset: -5.41 ms

Below is generated by plot.py at 2019-08-27 08:07:36

Datalink statistics

-- Total of 1 flow:

Average throughput: 96.45 Mbit/s

95th percentile per-packet one-way delay: 20.274 ms

Loss rate: 0.09%

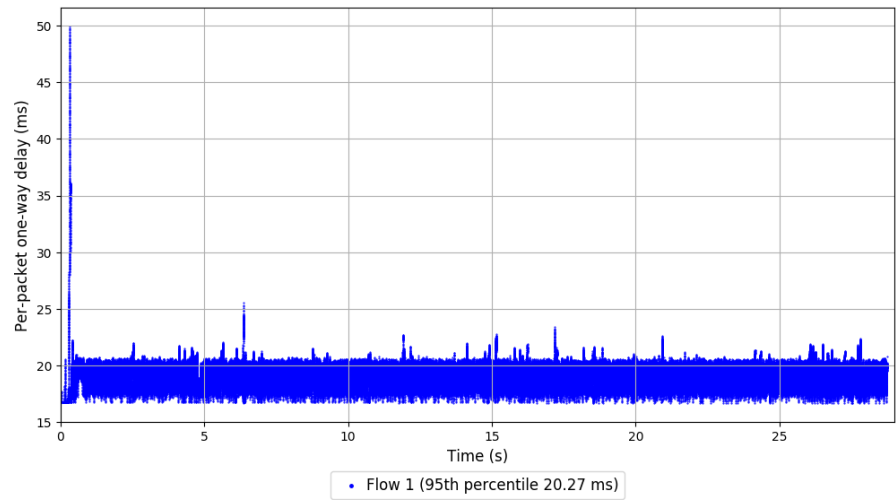
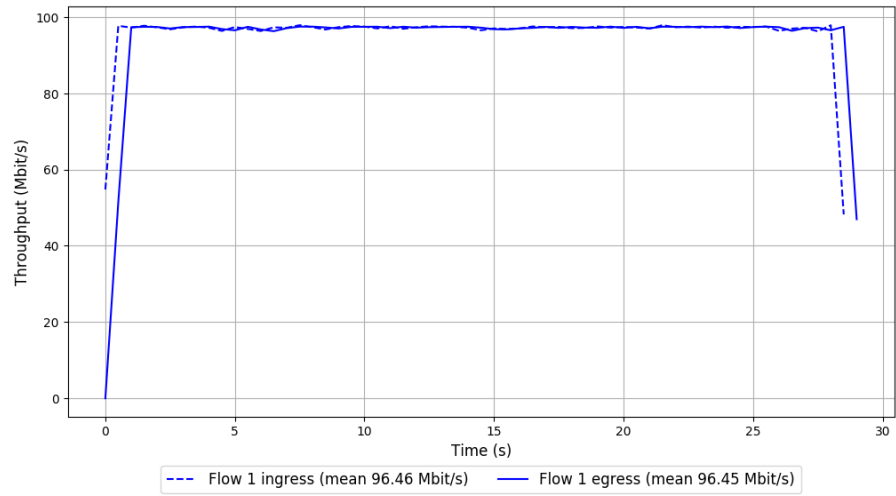
-- Flow 1:

Average throughput: 96.45 Mbit/s

95th percentile per-packet one-way delay: 20.274 ms

Loss rate: 0.09%

Run 3: Report of Indigo-MusesC3 — Data Link

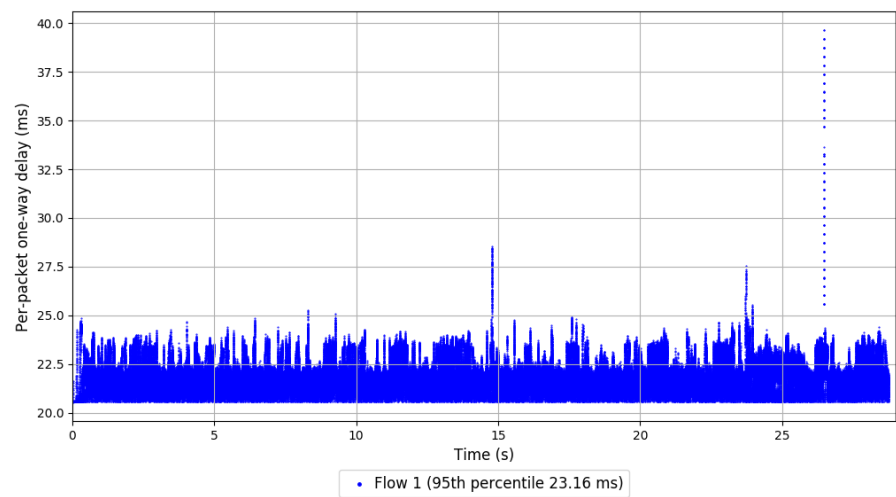
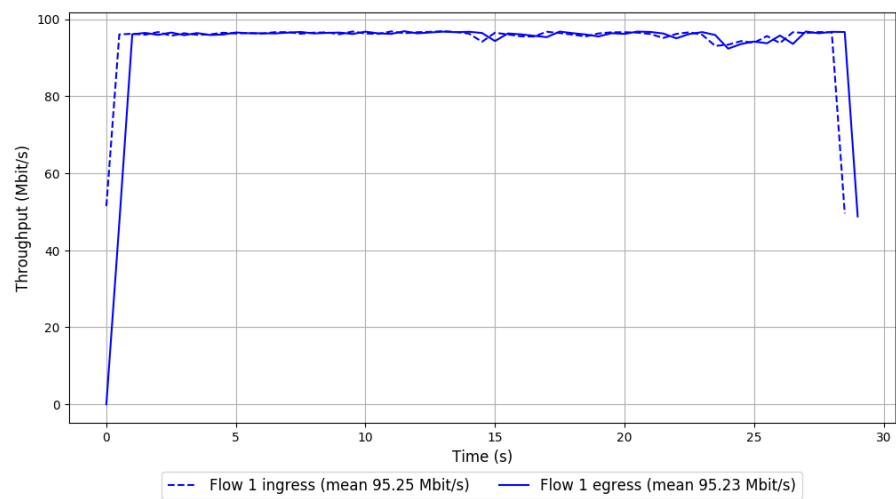


Run 4: Statistics of Indigo-MusesC3

Start at: 2019-08-27 07:04:42
End at: 2019-08-27 07:05:12
Local clock offset: 1.263 ms
Remote clock offset: -7.117 ms

Below is generated by plot.py at 2019-08-27 08:07:38
Datalink statistics
-- Total of 1 flow:
Average throughput: 95.23 Mbit/s
95th percentile per-packet one-way delay: 23.159 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 95.23 Mbit/s
95th percentile per-packet one-way delay: 23.159 ms
Loss rate: 0.10%

Run 4: Report of Indigo-MusesC3 — Data Link

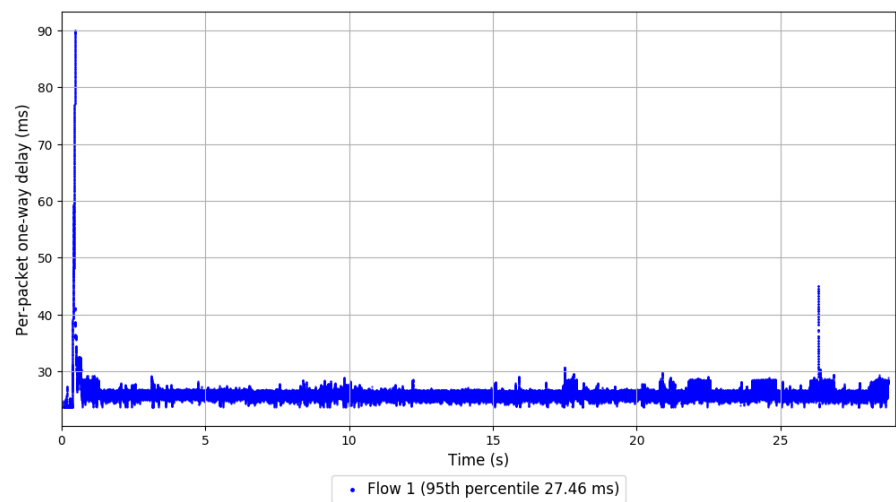
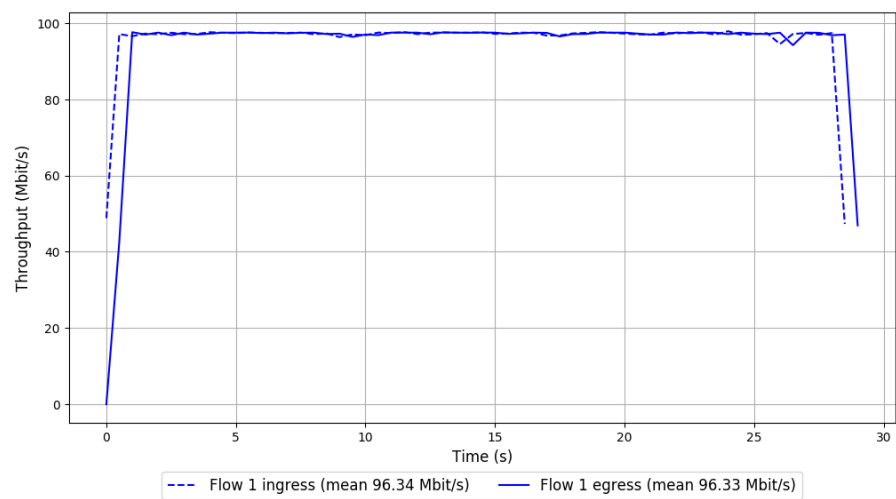


Run 5: Statistics of Indigo-MusesC3

Start at: 2019-08-27 07:34:30
End at: 2019-08-27 07:35:00
Local clock offset: 0.96 ms
Remote clock offset: -6.208 ms

Below is generated by plot.py at 2019-08-27 08:07:47
Datalink statistics
-- Total of 1 flow:
Average throughput: 96.33 Mbit/s
95th percentile per-packet one-way delay: 27.462 ms
Loss rate: 0.11%
-- Flow 1:
Average throughput: 96.33 Mbit/s
95th percentile per-packet one-way delay: 27.462 ms
Loss rate: 0.11%

Run 5: Report of Indigo-MusesC3 — Data Link

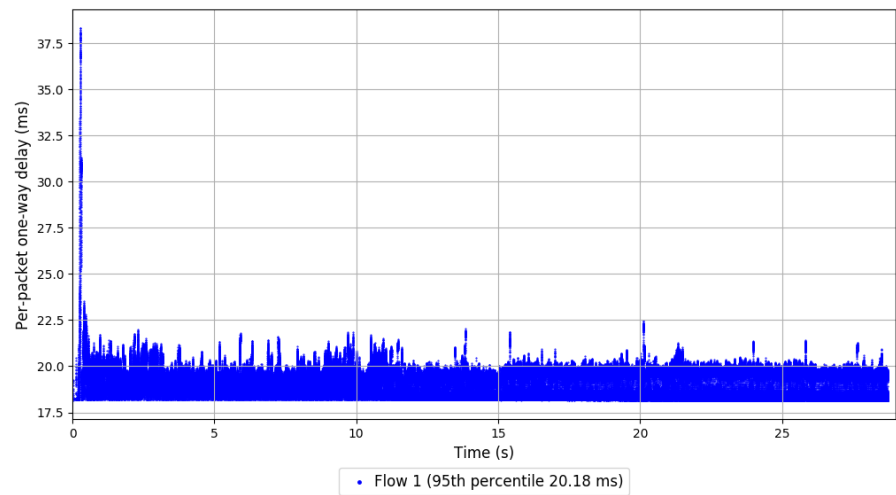
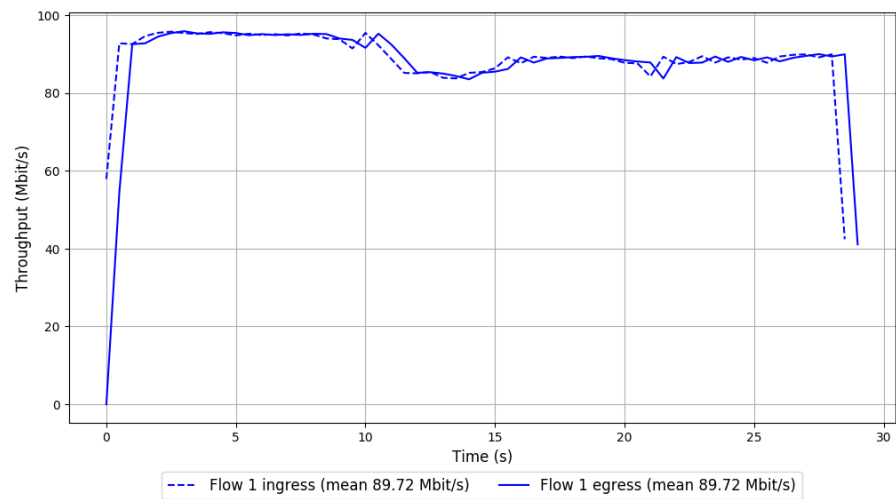


Run 1: Statistics of Indigo-MusesC5

Start at: 2019-08-27 05:59:26
End at: 2019-08-27 05:59:56
Local clock offset: -0.273 ms
Remote clock offset: -1.962 ms

Below is generated by plot.py at 2019-08-27 08:08:10
Datalink statistics
-- Total of 1 flow:
Average throughput: 89.72 Mbit/s
95th percentile per-packet one-way delay: 20.185 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 89.72 Mbit/s
95th percentile per-packet one-way delay: 20.185 ms
Loss rate: 0.09%

Run 1: Report of Indigo-MusesC5 — Data Link



Run 2: Statistics of Indigo-MusesC5

Start at: 2019-08-27 06:29:12

End at: 2019-08-27 06:29:42

Local clock offset: -0.371 ms

Remote clock offset: -5.739 ms

Below is generated by plot.py at 2019-08-27 08:08:12

Datalink statistics

-- Total of 1 flow:

Average throughput: 94.07 Mbit/s

95th percentile per-packet one-way delay: 24.824 ms

Loss rate: 0.10%

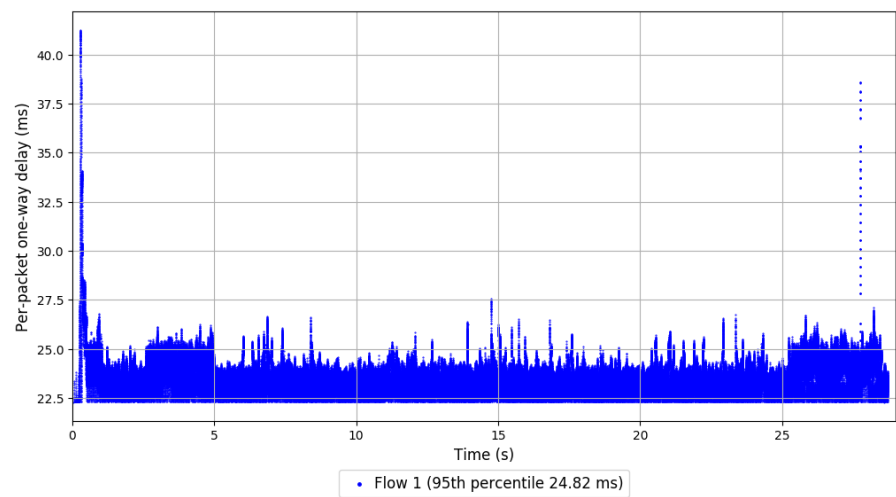
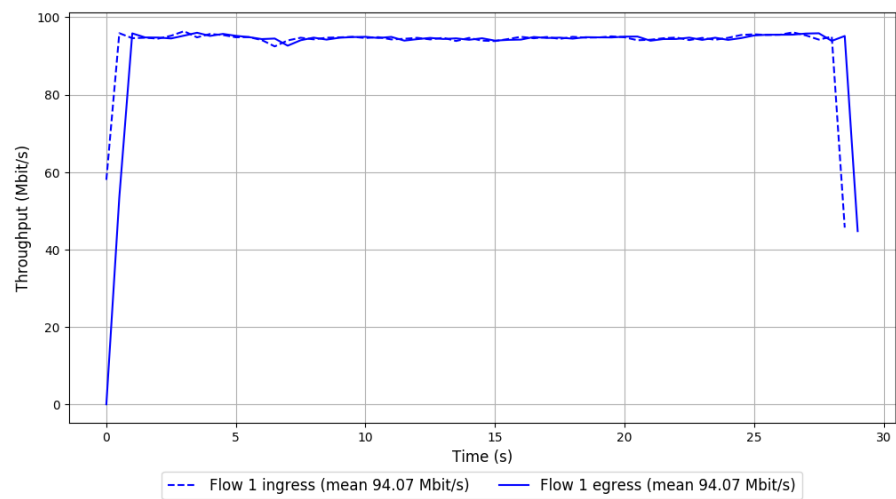
-- Flow 1:

Average throughput: 94.07 Mbit/s

95th percentile per-packet one-way delay: 24.824 ms

Loss rate: 0.10%

Run 2: Report of Indigo-MusesC5 — Data Link



Run 3: Statistics of Indigo-MusesC5

Start at: 2019-08-27 06:58:33

End at: 2019-08-27 06:59:03

Local clock offset: 1.081 ms

Remote clock offset: -5.336 ms

Below is generated by plot.py at 2019-08-27 08:08:14

Datalink statistics

-- Total of 1 flow:

Average throughput: 94.26 Mbit/s

95th percentile per-packet one-way delay: 25.628 ms

Loss rate: 0.11%

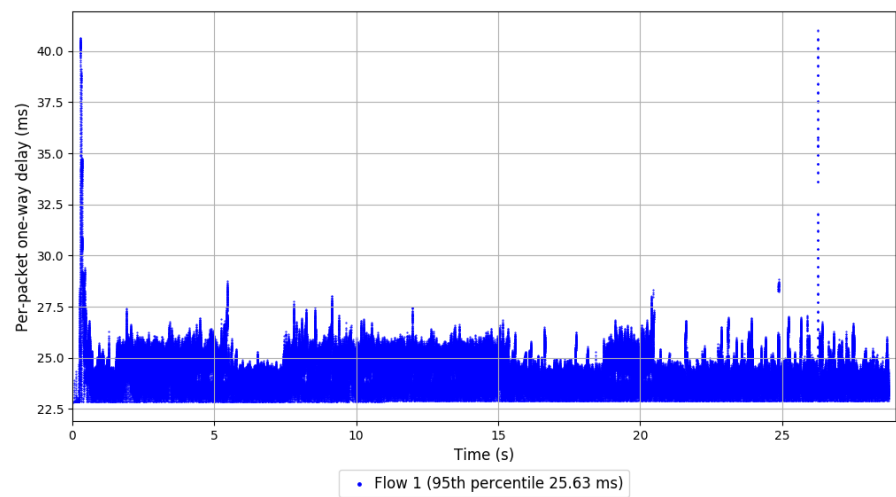
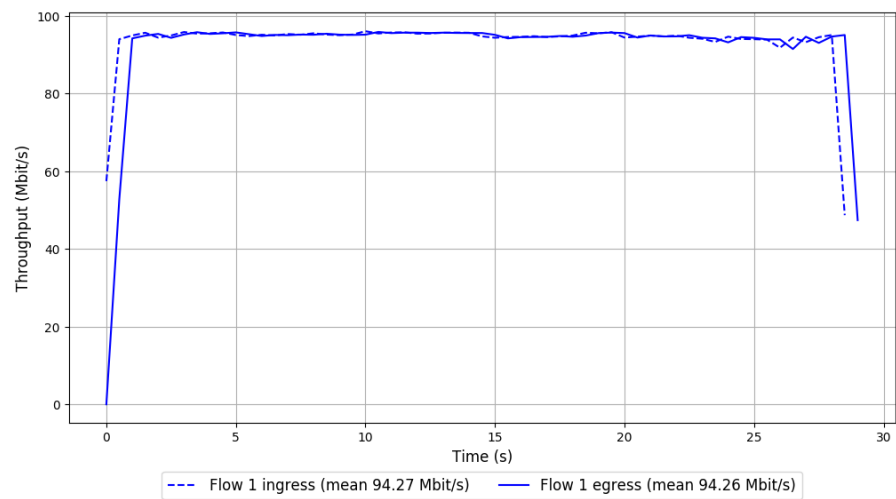
-- Flow 1:

Average throughput: 94.26 Mbit/s

95th percentile per-packet one-way delay: 25.628 ms

Loss rate: 0.11%

Run 3: Report of Indigo-MusesC5 — Data Link



Run 4: Statistics of Indigo-MusesC5

Start at: 2019-08-27 07:28:27

End at: 2019-08-27 07:28:57

Local clock offset: 0.335 ms

Remote clock offset: -5.961 ms

Below is generated by plot.py at 2019-08-27 08:08:17

Datalink statistics

-- Total of 1 flow:

Average throughput: 96.46 Mbit/s

95th percentile per-packet one-way delay: 20.859 ms

Loss rate: 0.09%

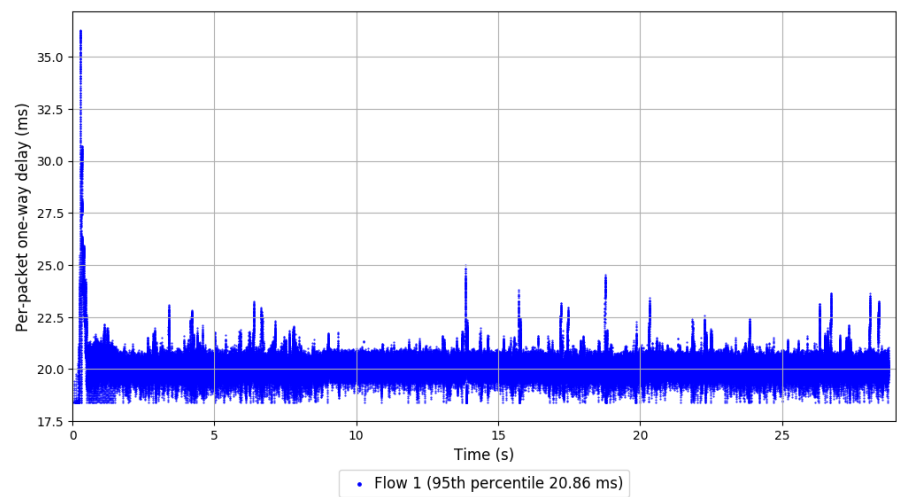
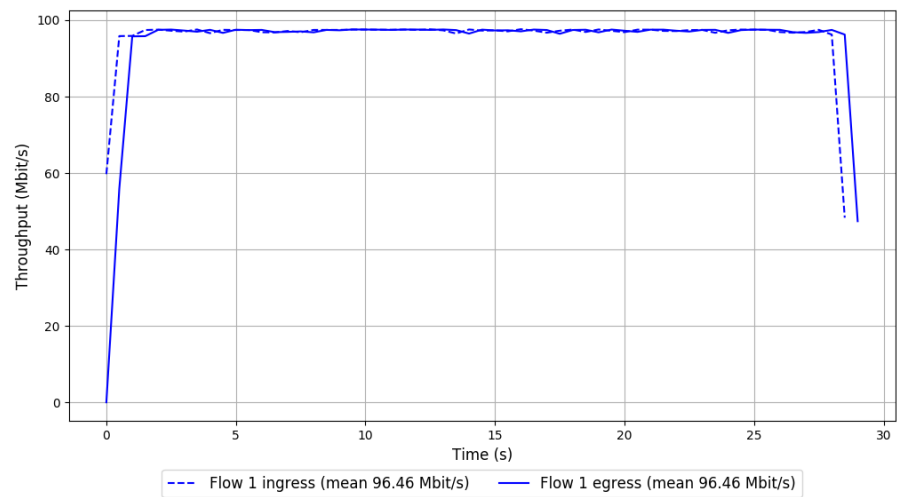
-- Flow 1:

Average throughput: 96.46 Mbit/s

95th percentile per-packet one-way delay: 20.859 ms

Loss rate: 0.09%

Run 4: Report of Indigo-MusesC5 — Data Link



Run 5: Statistics of Indigo-MusesC5

Start at: 2019-08-27 07:57:37

End at: 2019-08-27 07:58:07

Local clock offset: 1.384 ms

Remote clock offset: -6.957 ms

Below is generated by plot.py at 2019-08-27 08:08:41

Datalink statistics

-- Total of 1 flow:

Average throughput: 94.82 Mbit/s

95th percentile per-packet one-way delay: 28.128 ms

Loss rate: 0.10%

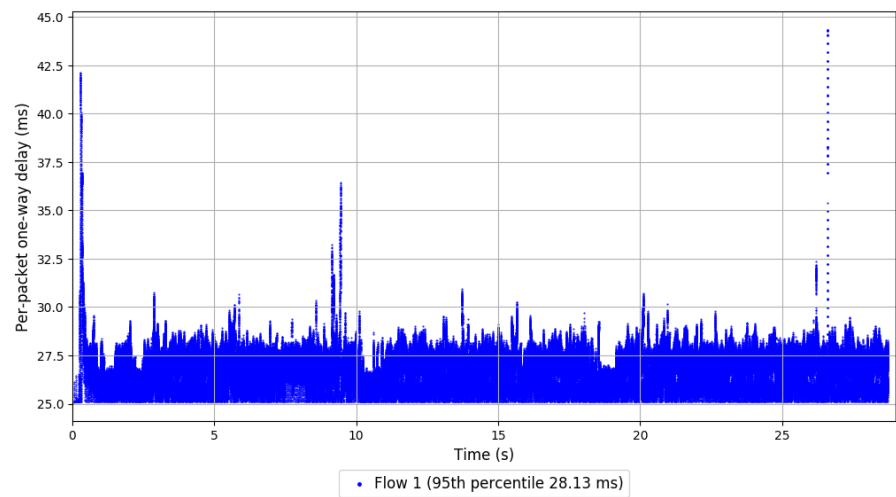
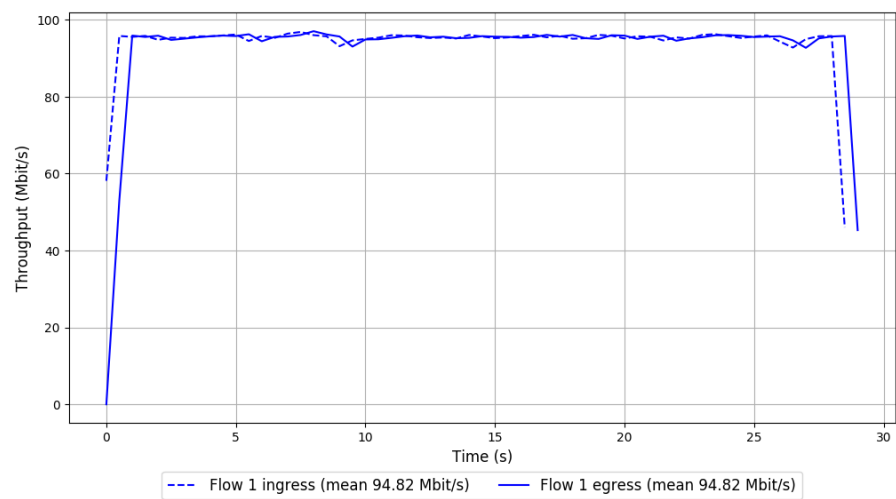
-- Flow 1:

Average throughput: 94.82 Mbit/s

95th percentile per-packet one-way delay: 28.128 ms

Loss rate: 0.10%

Run 5: Report of Indigo-MusesC5 — Data Link



Run 1: Statistics of Indigo-MusesD

Start at: 2019-08-27 05:35:29

End at: 2019-08-27 05:35:59

Local clock offset: -0.542 ms

Remote clock offset: -2.429 ms

Below is generated by plot.py at 2019-08-27 08:08:41

Datalink statistics

-- Total of 1 flow:

Average throughput: 95.21 Mbit/s

95th percentile per-packet one-way delay: 21.955 ms

Loss rate: 0.09%

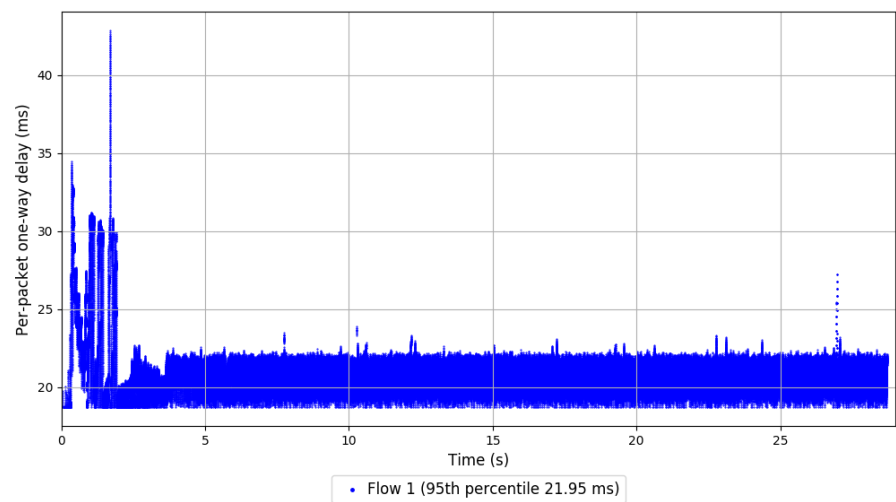
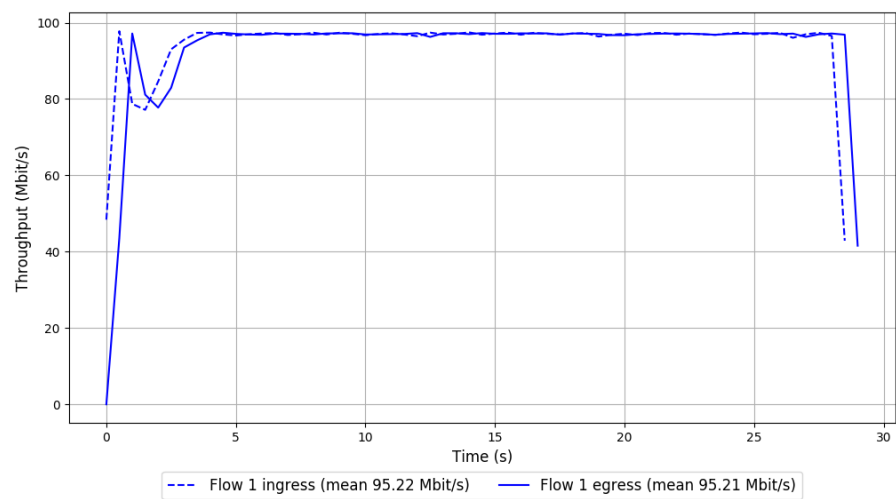
-- Flow 1:

Average throughput: 95.21 Mbit/s

95th percentile per-packet one-way delay: 21.955 ms

Loss rate: 0.09%

Run 1: Report of Indigo-MusesD — Data Link



Run 2: Statistics of Indigo-MusesD

Start at: 2019-08-27 06:04:16

End at: 2019-08-27 06:04:46

Local clock offset: -0.183 ms

Remote clock offset: -25.35 ms

Below is generated by plot.py at 2019-08-27 08:08:42

Datalink statistics

-- Total of 1 flow:

Average throughput: 93.34 Mbit/s

95th percentile per-packet one-way delay: 46.675 ms

Loss rate: 0.10%

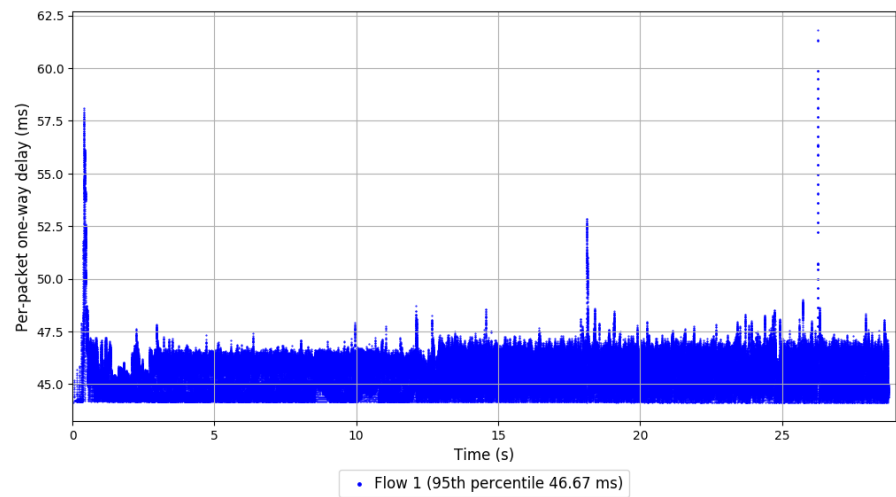
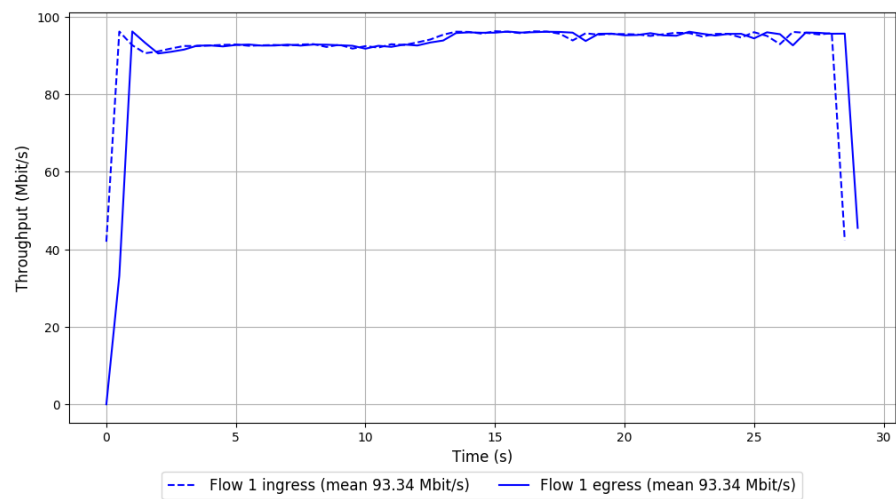
-- Flow 1:

Average throughput: 93.34 Mbit/s

95th percentile per-packet one-way delay: 46.675 ms

Loss rate: 0.10%

Run 2: Report of Indigo-MusesD — Data Link

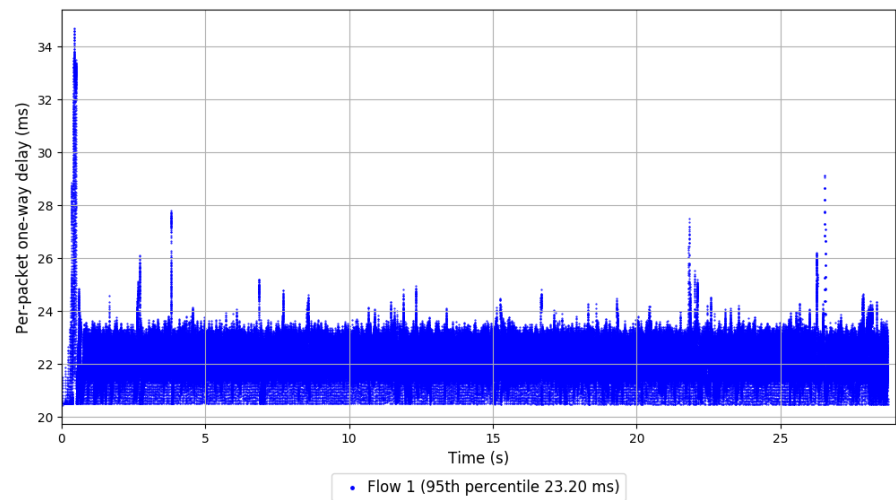
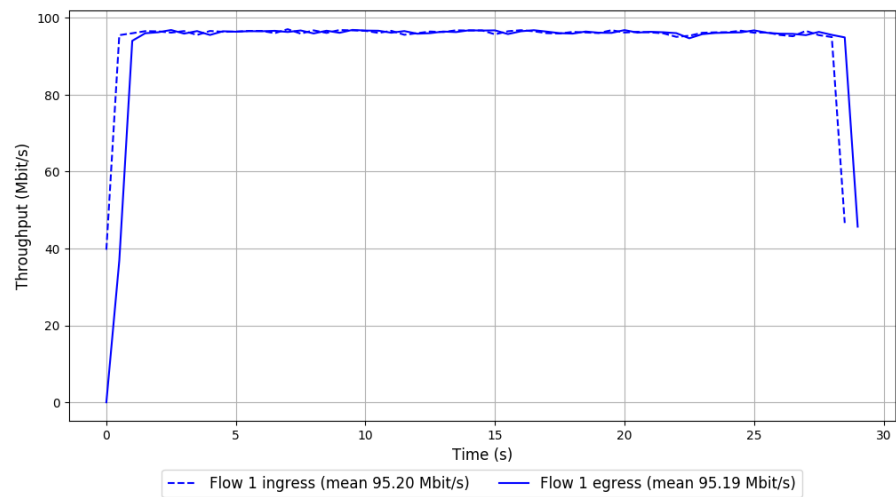


Run 3: Statistics of Indigo-MusesD

Start at: 2019-08-27 06:34:21
End at: 2019-08-27 06:34:51
Local clock offset: 0.593 ms
Remote clock offset: -6.361 ms

Below is generated by plot.py at 2019-08-27 08:08:56
Datalink statistics
-- Total of 1 flow:
Average throughput: 95.19 Mbit/s
95th percentile per-packet one-way delay: 23.196 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 95.19 Mbit/s
95th percentile per-packet one-way delay: 23.196 ms
Loss rate: 0.09%

Run 3: Report of Indigo-MusesD — Data Link



Run 4: Statistics of Indigo-MusesD

Start at: 2019-08-27 07:03:30

End at: 2019-08-27 07:04:00

Local clock offset: 1.401 ms

Remote clock offset: -6.078 ms

Below is generated by plot.py at 2019-08-27 08:09:14

Datalink statistics

-- Total of 1 flow:

Average throughput: 93.71 Mbit/s

95th percentile per-packet one-way delay: 26.733 ms

Loss rate: 0.11%

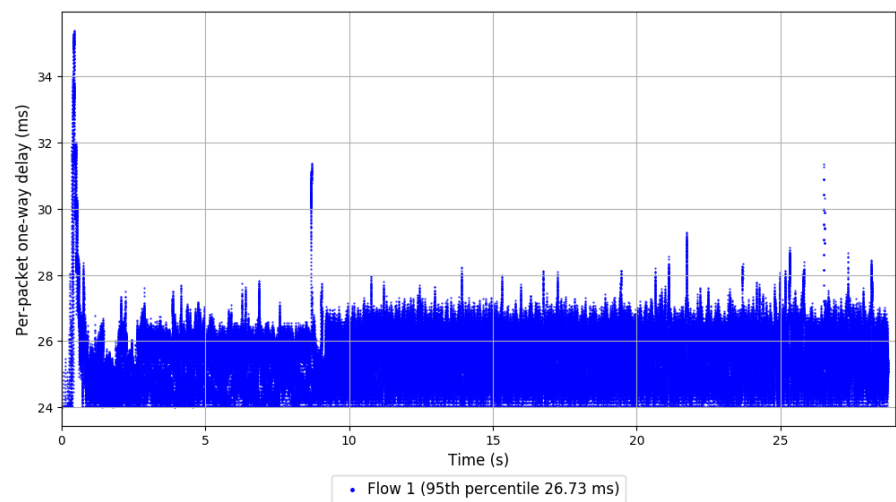
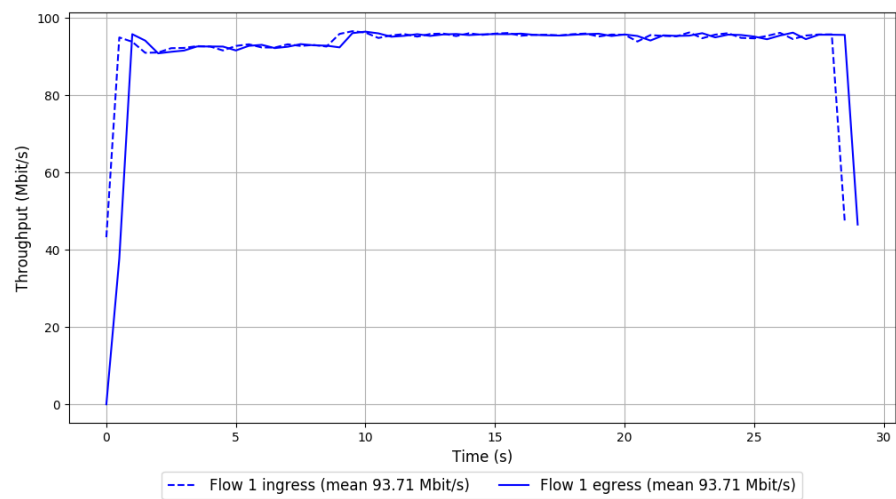
-- Flow 1:

Average throughput: 93.71 Mbit/s

95th percentile per-packet one-way delay: 26.733 ms

Loss rate: 0.11%

Run 4: Report of Indigo-MusesD — Data Link



Run 5: Statistics of Indigo-MusesD

Start at: 2019-08-27 07:33:17

End at: 2019-08-27 07:33:47

Local clock offset: 0.466 ms

Remote clock offset: -5.946 ms

Below is generated by plot.py at 2019-08-27 08:09:17

Datalink statistics

-- Total of 1 flow:

Average throughput: 94.58 Mbit/s

95th percentile per-packet one-way delay: 21.393 ms

Loss rate: 0.09%

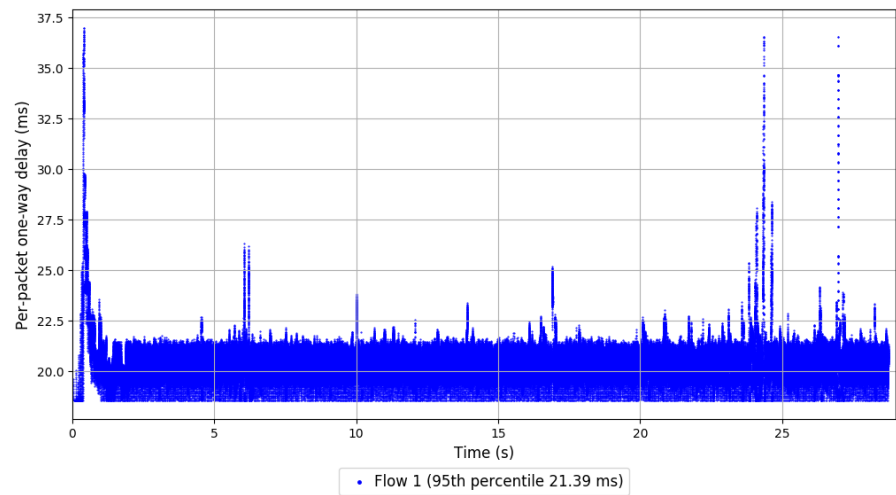
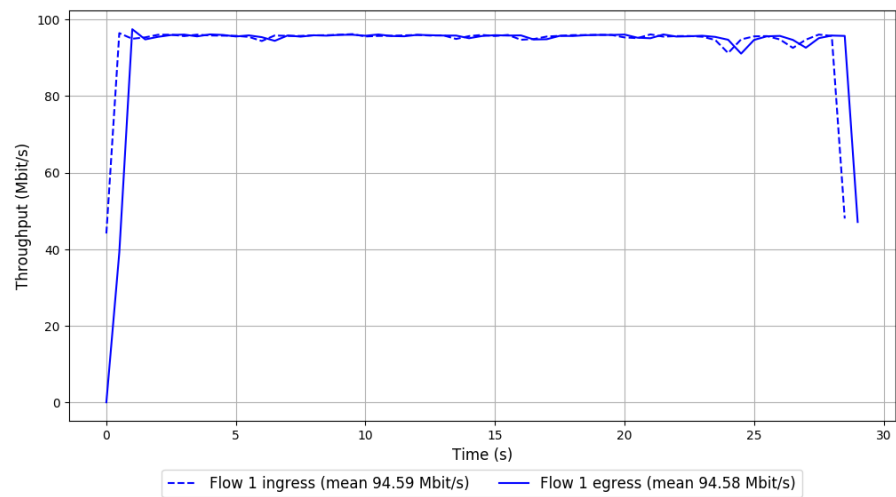
-- Flow 1:

Average throughput: 94.58 Mbit/s

95th percentile per-packet one-way delay: 21.393 ms

Loss rate: 0.09%

Run 5: Report of Indigo-MusesD — Data Link



Run 1: Statistics of Indigo-MusesT

Start at: 2019-08-27 05:58:13

End at: 2019-08-27 05:58:43

Local clock offset: -0.916 ms

Remote clock offset: -3.256 ms

Below is generated by plot.py at 2019-08-27 08:09:19

Datalink statistics

-- Total of 1 flow:

Average throughput: 96.38 Mbit/s

95th percentile per-packet one-way delay: 22.538 ms

Loss rate: 0.10%

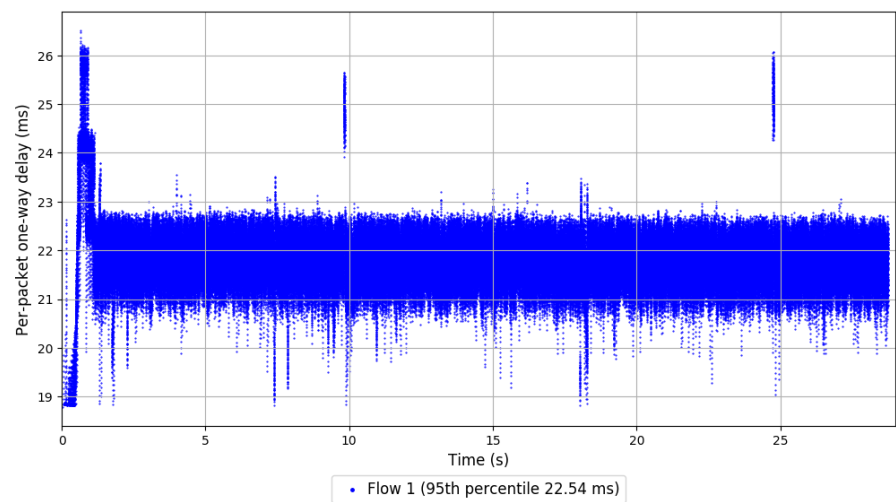
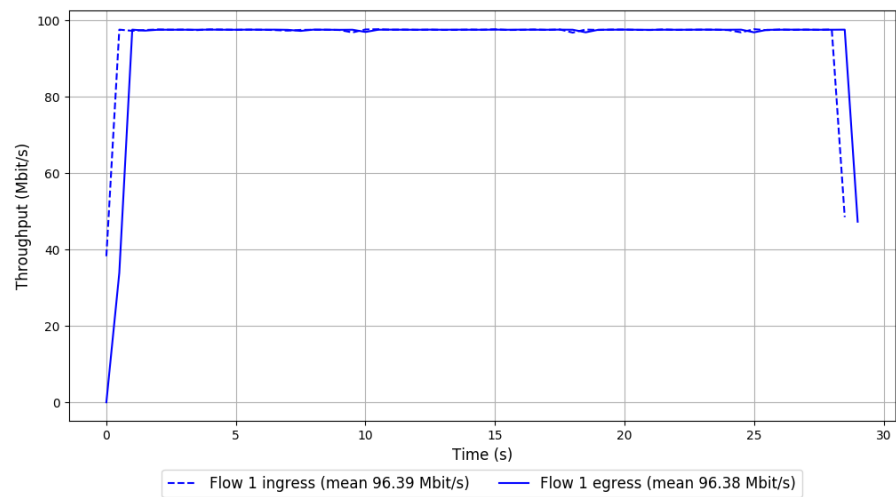
-- Flow 1:

Average throughput: 96.38 Mbit/s

95th percentile per-packet one-way delay: 22.538 ms

Loss rate: 0.10%

Run 1: Report of Indigo-MusesT — Data Link

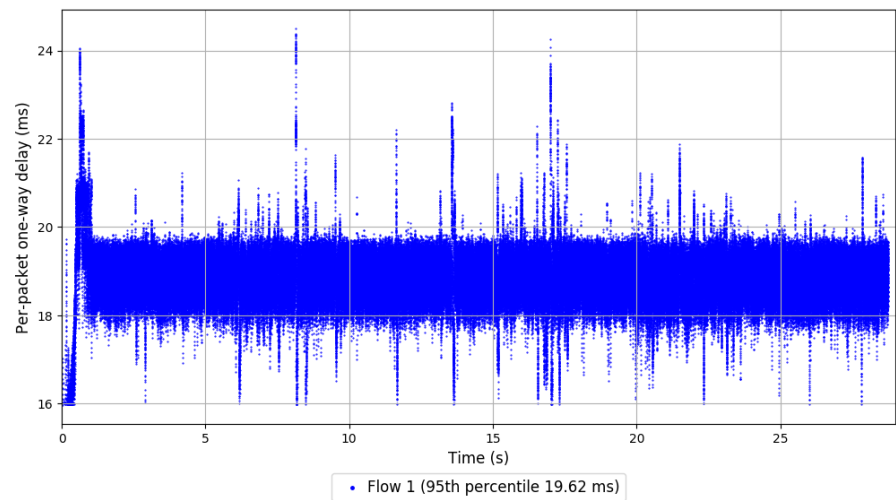
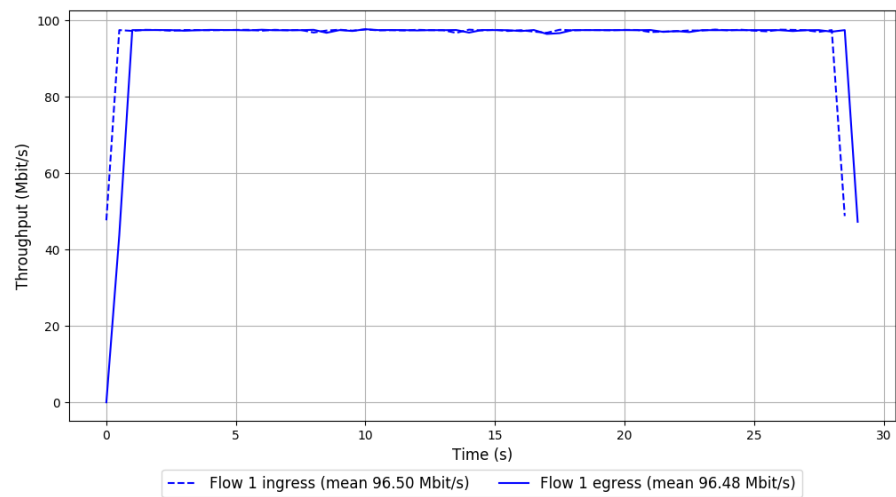


Run 2: Statistics of Indigo-MusesT

Start at: 2019-08-27 06:27:59
End at: 2019-08-27 06:28:29
Local clock offset: -0.538 ms
Remote clock offset: -3.882 ms

Below is generated by plot.py at 2019-08-27 08:09:23
Datalink statistics
-- Total of 1 flow:
Average throughput: 96.48 Mbit/s
95th percentile per-packet one-way delay: 19.622 ms
Loss rate: 0.11%
-- Flow 1:
Average throughput: 96.48 Mbit/s
95th percentile per-packet one-way delay: 19.622 ms
Loss rate: 0.11%

Run 2: Report of Indigo-MusesT — Data Link



Run 3: Statistics of Indigo-MusesT

Start at: 2019-08-27 06:57:21

End at: 2019-08-27 06:57:51

Local clock offset: 1.308 ms

Remote clock offset: -6.83 ms

Below is generated by plot.py at 2019-08-27 08:09:46

Datalink statistics

-- Total of 1 flow:

Average throughput: 96.36 Mbit/s

95th percentile per-packet one-way delay: 28.815 ms

Loss rate: 0.20%

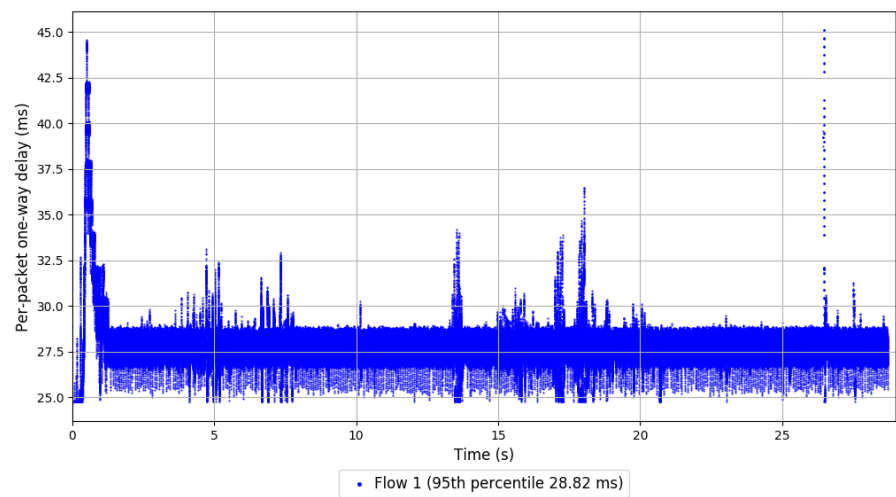
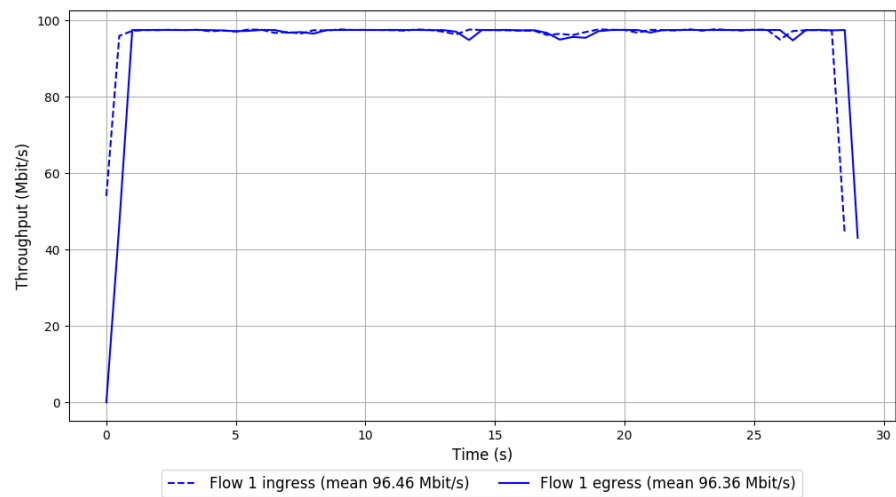
-- Flow 1:

Average throughput: 96.36 Mbit/s

95th percentile per-packet one-way delay: 28.815 ms

Loss rate: 0.20%

Run 3: Report of Indigo-MusesT — Data Link

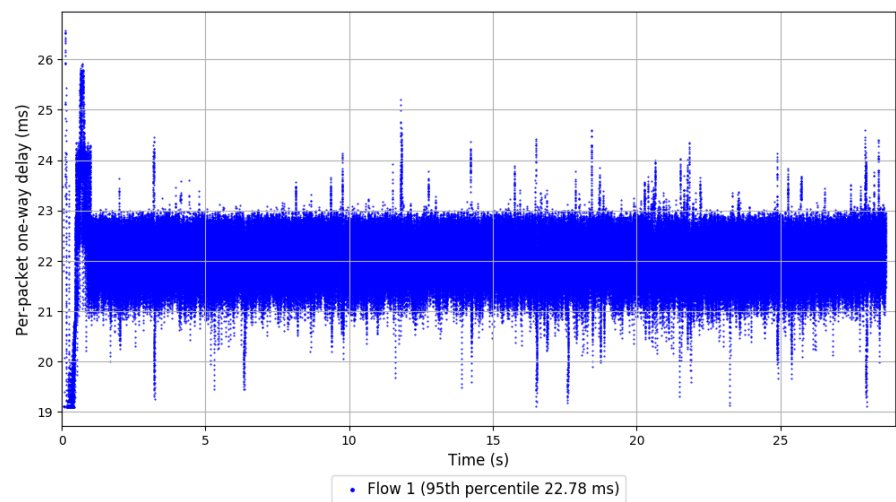
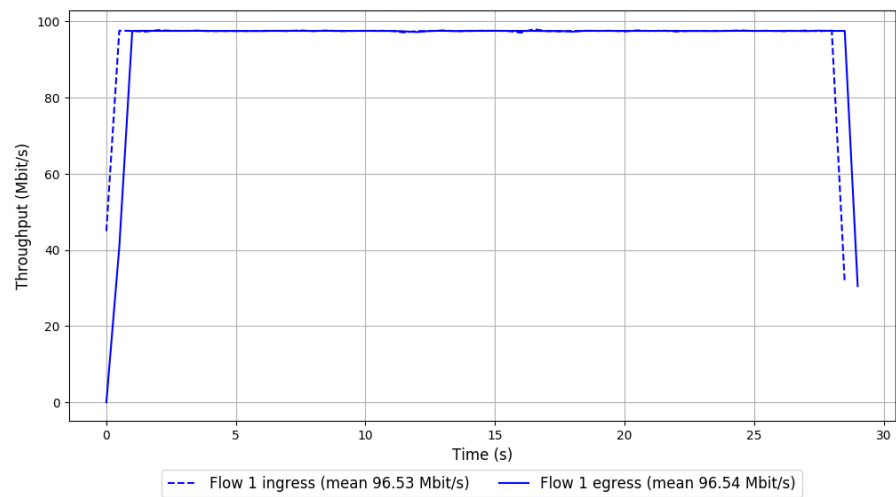


Run 4: Statistics of Indigo-MusesT

Start at: 2019-08-27 07:27:11
End at: 2019-08-27 07:27:41
Local clock offset: 0.326 ms
Remote clock offset: -6.646 ms

Below is generated by plot.py at 2019-08-27 08:09:47
Datalink statistics
-- Total of 1 flow:
Average throughput: 96.54 Mbit/s
95th percentile per-packet one-way delay: 22.778 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 96.54 Mbit/s
95th percentile per-packet one-way delay: 22.778 ms
Loss rate: 0.09%

Run 4: Report of Indigo-MusesT — Data Link



Run 5: Statistics of Indigo-MusesT

Start at: 2019-08-27 07:56:24

End at: 2019-08-27 07:56:54

Local clock offset: 0.306 ms

Remote clock offset: -6.391 ms

Below is generated by plot.py at 2019-08-27 08:09:48

Datalink statistics

-- Total of 1 flow:

Average throughput: 96.42 Mbit/s

95th percentile per-packet one-way delay: 24.247 ms

Loss rate: 0.10%

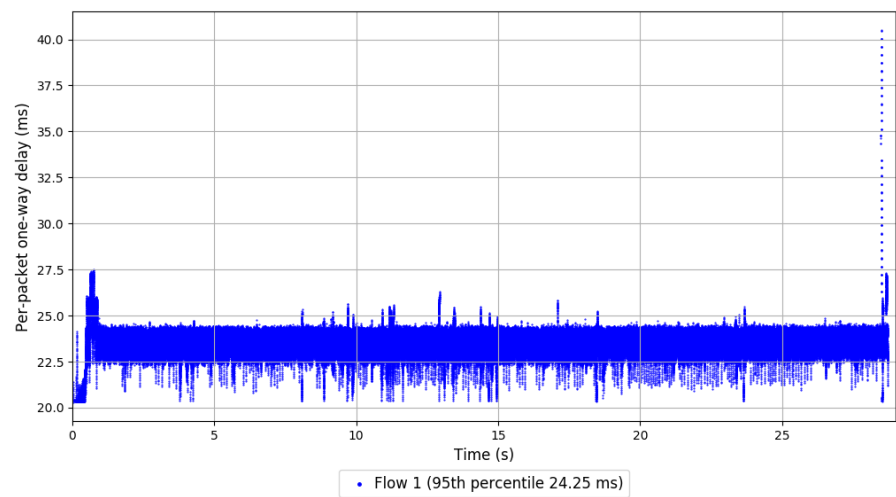
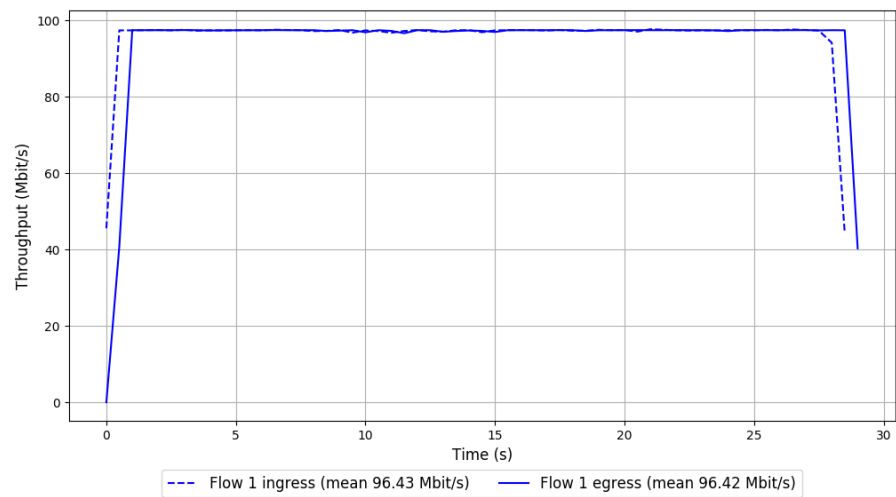
-- Flow 1:

Average throughput: 96.42 Mbit/s

95th percentile per-packet one-way delay: 24.247 ms

Loss rate: 0.10%

Run 5: Report of Indigo-MusesT — Data Link

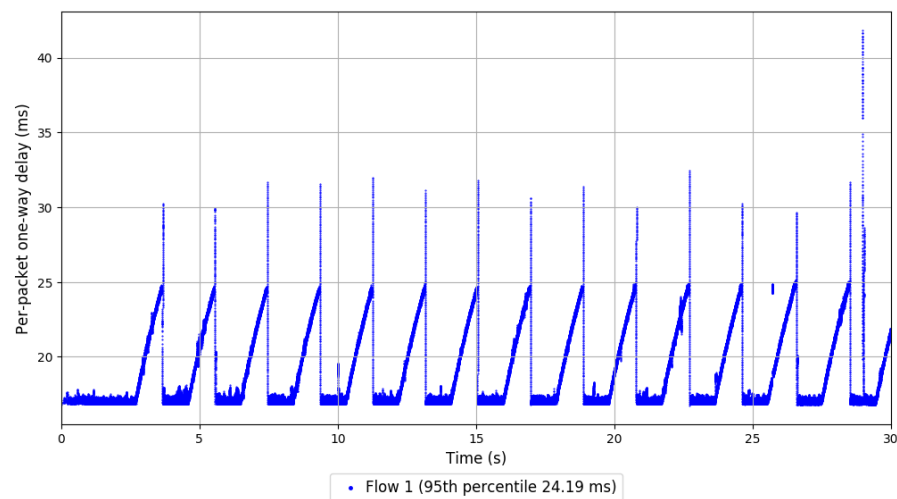
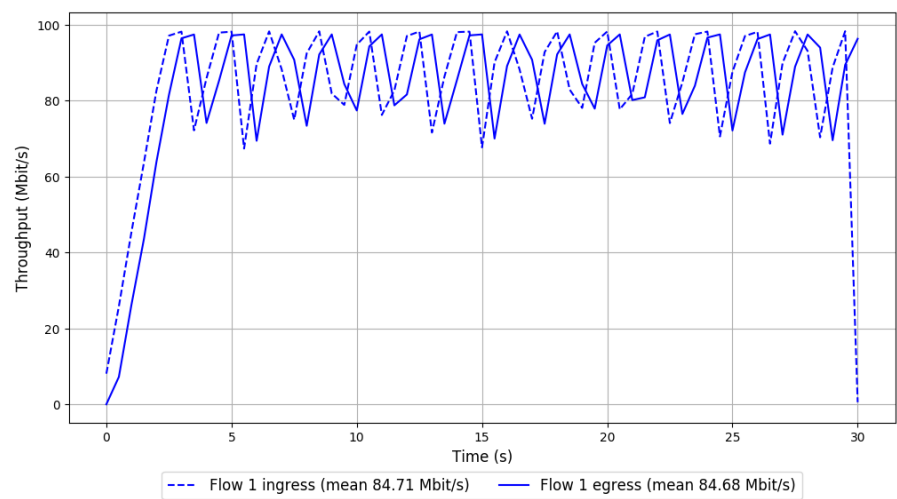


```
Run 1: Statistics of LEDBAT

Start at: 2019-08-27 05:52:12
End at: 2019-08-27 05:52:42
Local clock offset: -1.049 ms
Remote clock offset: -0.68 ms

# Below is generated by plot.py at 2019-08-27 08:10:01
# Datalink statistics
-- Total of 1 flow:
Average throughput: 84.68 Mbit/s
95th percentile per-packet one-way delay: 24.188 ms
Loss rate: 0.12%
-- Flow 1:
Average throughput: 84.68 Mbit/s
95th percentile per-packet one-way delay: 24.188 ms
Loss rate: 0.12%
```

Run 1: Report of LEDBAT — Data Link

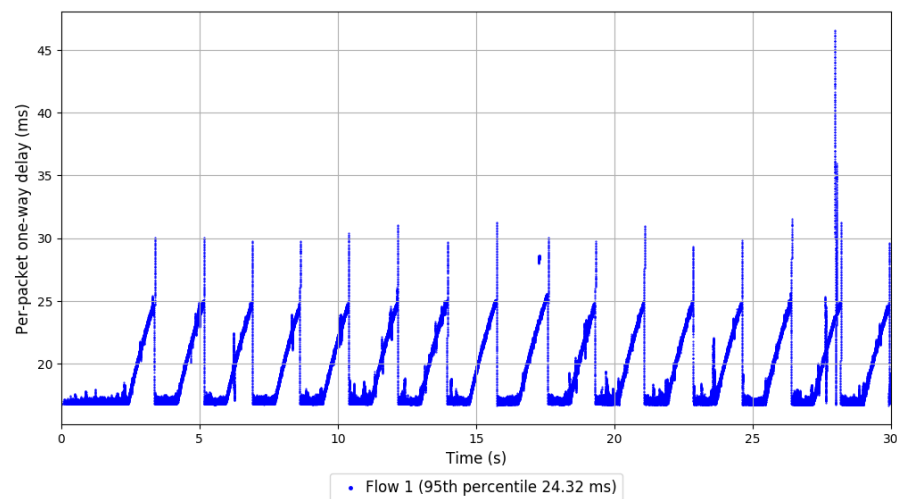
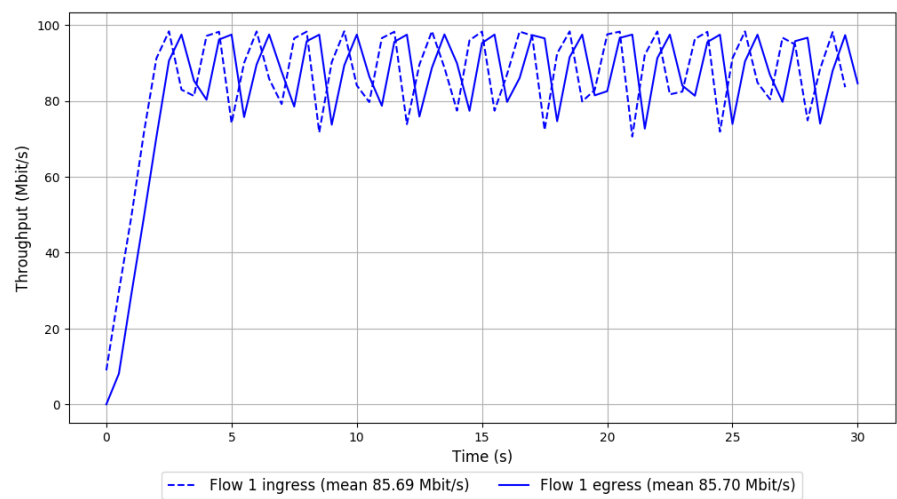


Run 2: Statistics of LEDBAT

Start at: 2019-08-27 06:21:41
End at: 2019-08-27 06:22:11
Local clock offset: -0.317 ms
Remote clock offset: -4.177 ms

Below is generated by plot.py at 2019-08-27 08:10:17
Datalink statistics
-- Total of 1 flow:
Average throughput: 85.70 Mbit/s
95th percentile per-packet one-way delay: 24.325 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 85.70 Mbit/s
95th percentile per-packet one-way delay: 24.325 ms
Loss rate: 0.07%

Run 2: Report of LEDBAT — Data Link

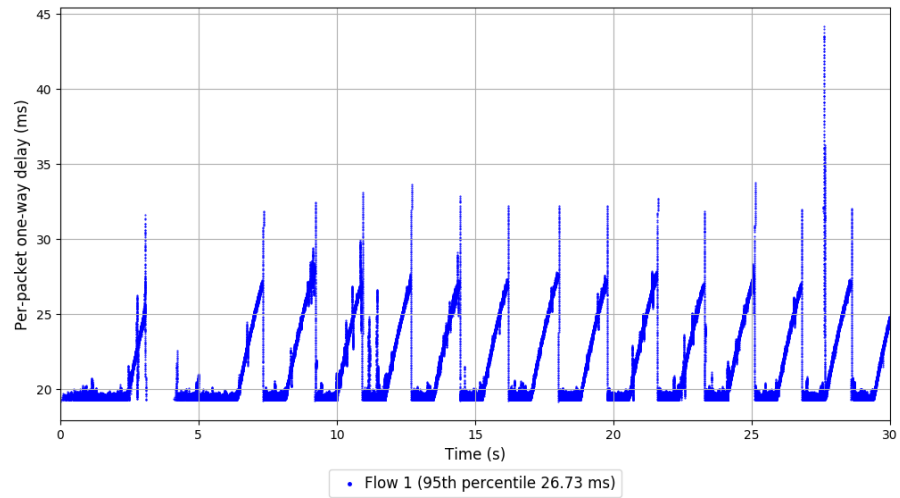
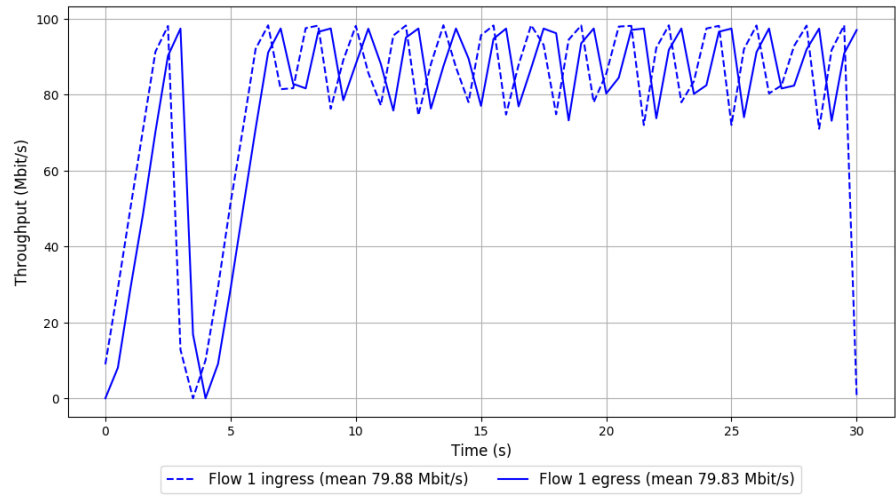


Run 3: Statistics of LEDBAT

Start at: 2019-08-27 06:51:12
End at: 2019-08-27 06:51:42
Local clock offset: 2.204 ms
Remote clock offset: -5.101 ms

Below is generated by plot.py at 2019-08-27 08:10:17
Datalink statistics
-- Total of 1 flow:
Average throughput: 79.83 Mbit/s
95th percentile per-packet one-way delay: 26.733 ms
Loss rate: 0.14%
-- Flow 1:
Average throughput: 79.83 Mbit/s
95th percentile per-packet one-way delay: 26.733 ms
Loss rate: 0.14%

Run 3: Report of LEDBAT — Data Link

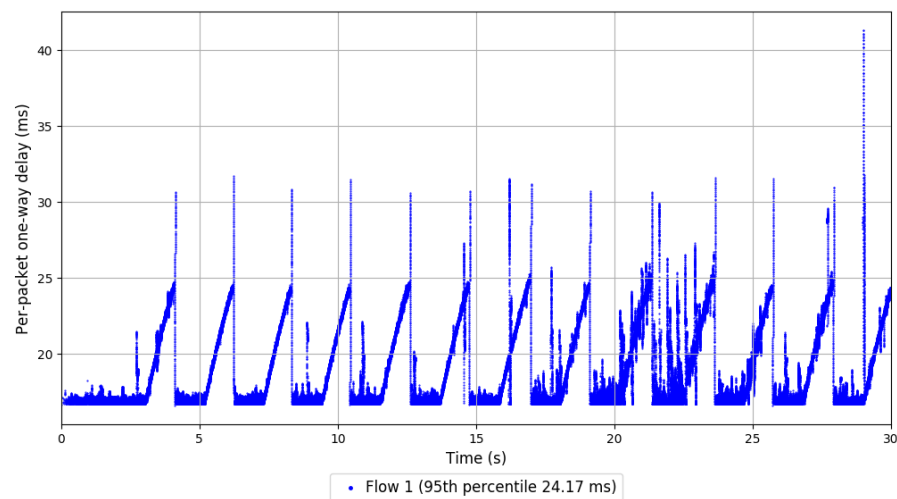
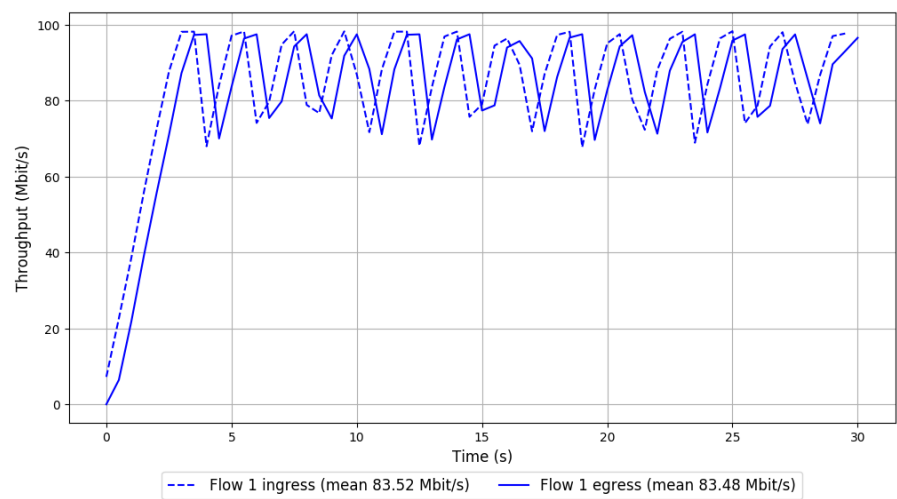


Run 4: Statistics of LEDBAT

Start at: 2019-08-27 07:20:53
End at: 2019-08-27 07:21:23
Local clock offset: 0.737 ms
Remote clock offset: -3.803 ms

Below is generated by plot.py at 2019-08-27 08:10:21
Datalink statistics
-- Total of 1 flow:
Average throughput: 83.48 Mbit/s
95th percentile per-packet one-way delay: 24.172 ms
Loss rate: 0.11%
-- Flow 1:
Average throughput: 83.48 Mbit/s
95th percentile per-packet one-way delay: 24.172 ms
Loss rate: 0.11%

Run 4: Report of LEDBAT — Data Link

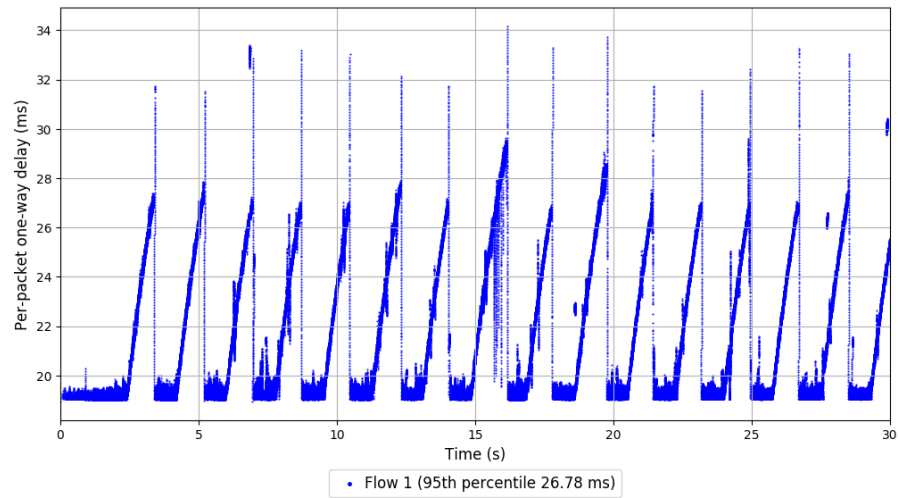
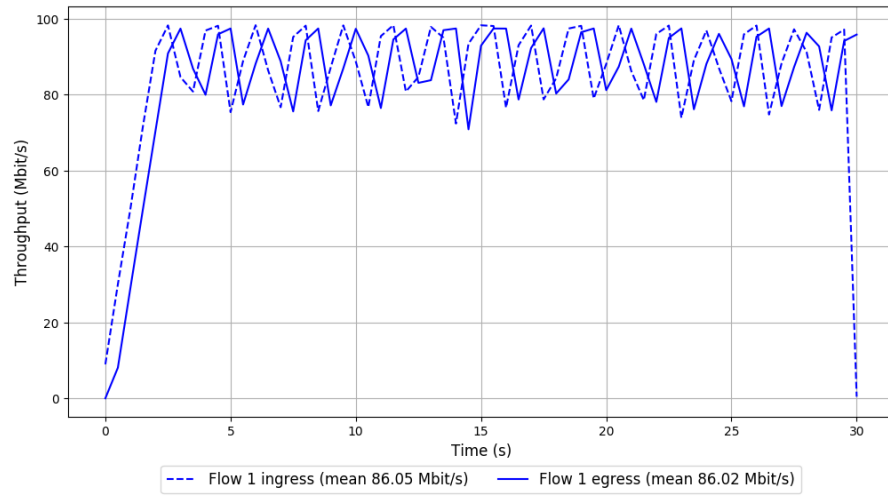


Run 5: Statistics of LEDBAT

Start at: 2019-08-27 07:50:18
End at: 2019-08-27 07:50:48
Local clock offset: 1.22 ms
Remote clock offset: -5.574 ms

Below is generated by plot.py at 2019-08-27 08:10:25
Datalink statistics
-- Total of 1 flow:
Average throughput: 86.02 Mbit/s
95th percentile per-packet one-way delay: 26.780 ms
Loss rate: 0.12%
-- Flow 1:
Average throughput: 86.02 Mbit/s
95th percentile per-packet one-way delay: 26.780 ms
Loss rate: 0.12%

Run 5: Report of LEDBAT — Data Link

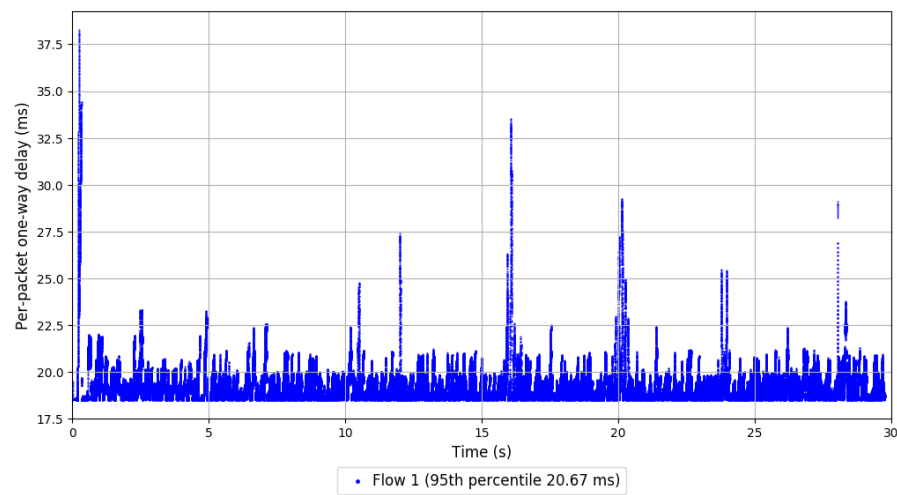
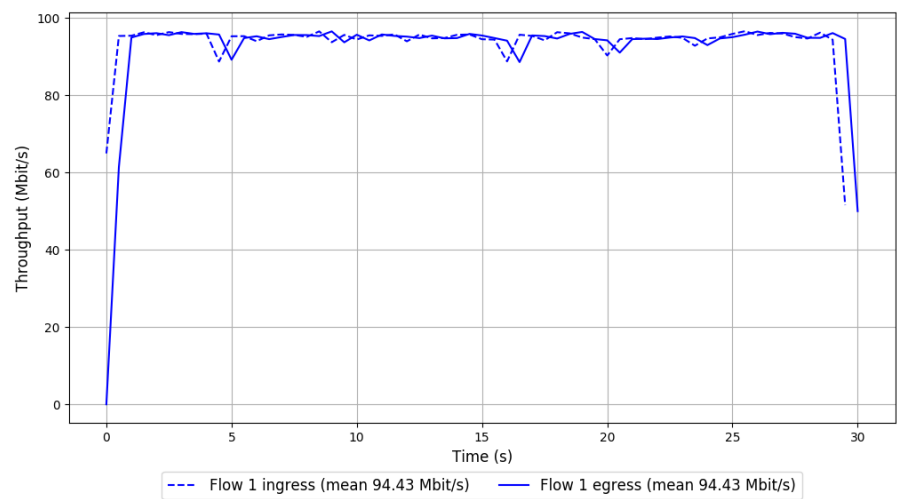


```
Run 1: Statistics of Muses\_DecisionTree

Start at: 2019-08-27 05:41:23
End at: 2019-08-27 05:41:53
Local clock offset: -0.883 ms
Remote clock offset: -1.448 ms

# Below is generated by plot.py at 2019-08-27 08:10:55
# Datalink statistics
-- Total of 1 flow:
Average throughput: 94.43 Mbit/s
95th percentile per-packet one-way delay: 20.670 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 94.43 Mbit/s
95th percentile per-packet one-way delay: 20.670 ms
Loss rate: 0.09%
```

Run 1: Report of Muses_DecisionTree — Data Link

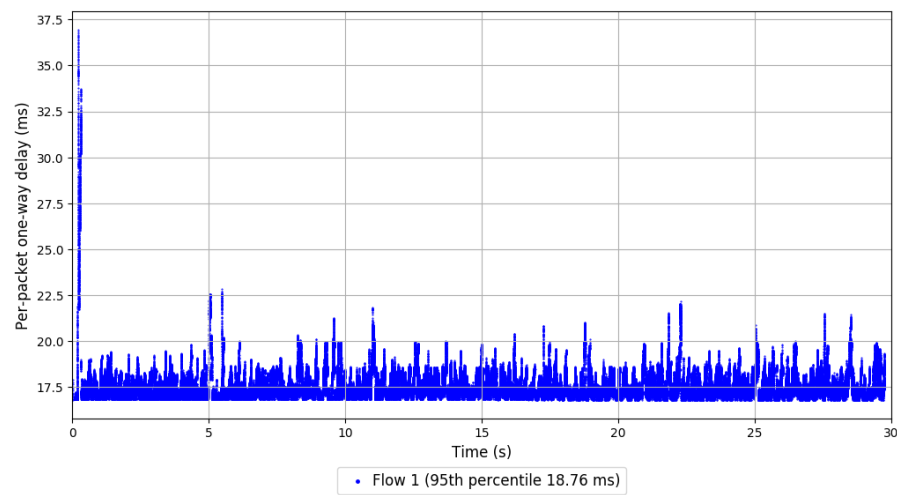
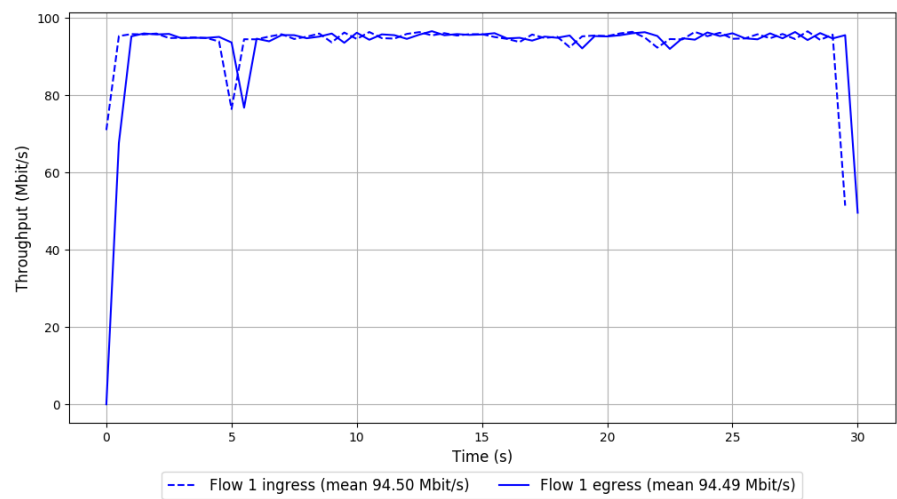


Run 2: Statistics of Muses_DecisionTree

Start at: 2019-08-27 06:10:12
End at: 2019-08-27 06:10:42
Local clock offset: -0.462 ms
Remote clock offset: -3.321 ms

Below is generated by plot.py at 2019-08-27 08:10:55
Datalink statistics
-- Total of 1 flow:
Average throughput: 94.49 Mbit/s
95th percentile per-packet one-way delay: 18.758 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 94.49 Mbit/s
95th percentile per-packet one-way delay: 18.758 ms
Loss rate: 0.09%

Run 2: Report of Muses_DecisionTree — Data Link

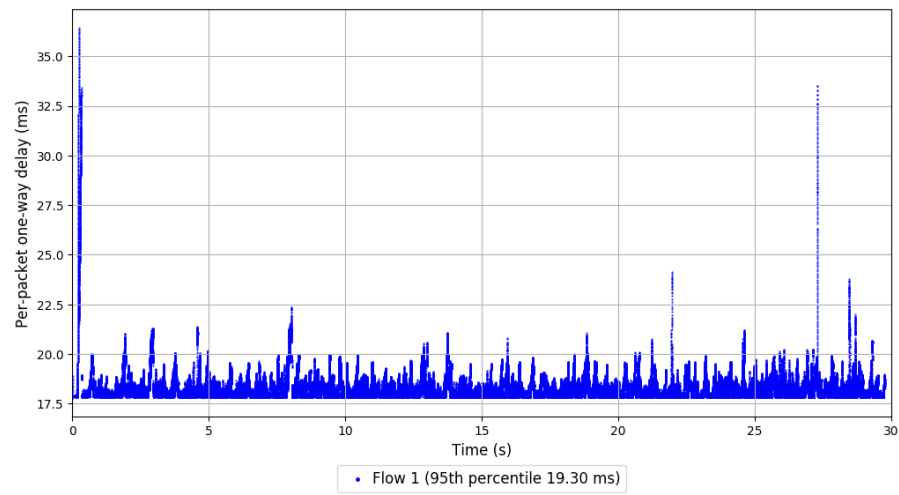
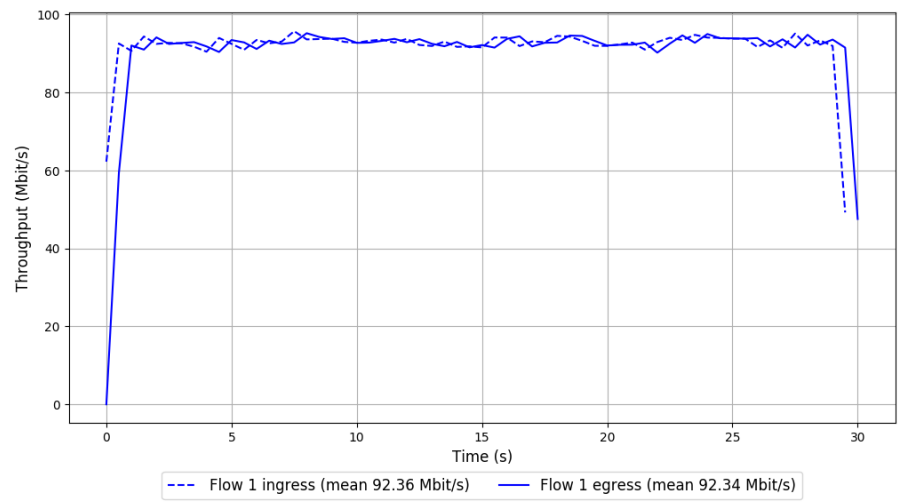


Run 3: Statistics of Muses_DecisionTree

Start at: 2019-08-27 06:40:16
End at: 2019-08-27 06:40:46
Local clock offset: -0.302 ms
Remote clock offset: -4.787 ms

Below is generated by plot.py at 2019-08-27 08:10:55
Datalink statistics
-- Total of 1 flow:
Average throughput: 92.34 Mbit/s
95th percentile per-packet one-way delay: 19.303 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 92.34 Mbit/s
95th percentile per-packet one-way delay: 19.303 ms
Loss rate: 0.10%

Run 3: Report of Muses_DecisionTree — Data Link

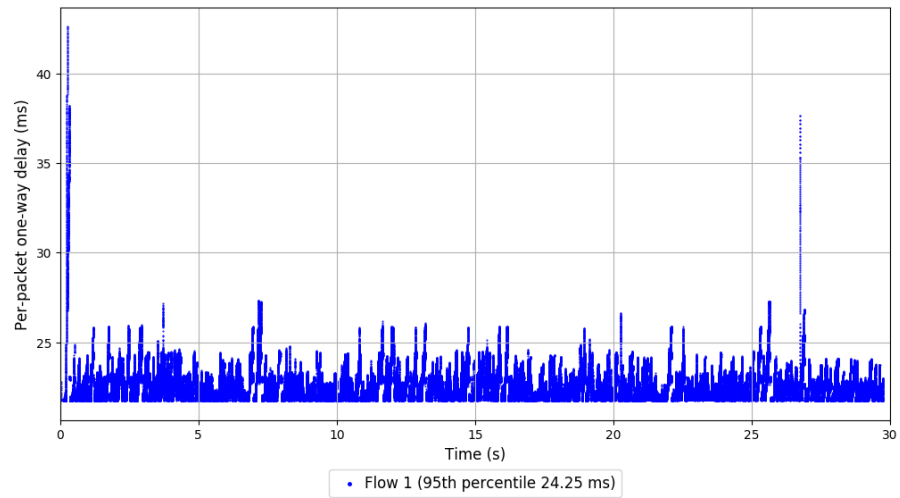
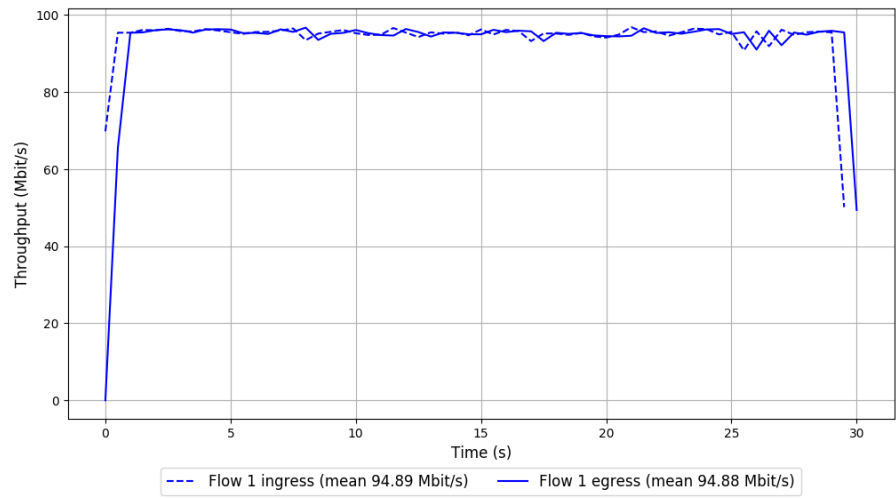


Run 4: Statistics of Muses_DecisionTree

Start at: 2019-08-27 07:09:34
End at: 2019-08-27 07:10:04
Local clock offset: 1.804 ms
Remote clock offset: -6.462 ms

Below is generated by plot.py at 2019-08-27 08:11:08
Datalink statistics
-- Total of 1 flow:
Average throughput: 94.88 Mbit/s
95th percentile per-packet one-way delay: 24.246 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 94.88 Mbit/s
95th percentile per-packet one-way delay: 24.246 ms
Loss rate: 0.09%

Run 4: Report of Muses_DecisionTree — Data Link

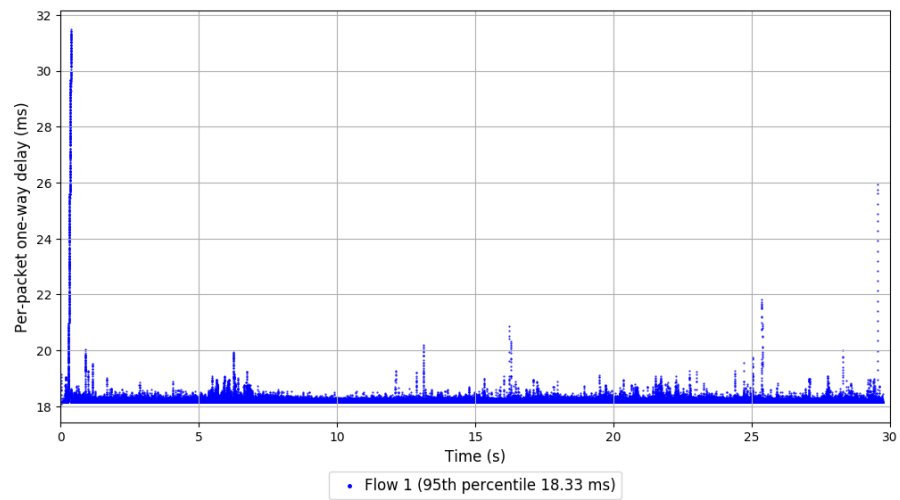
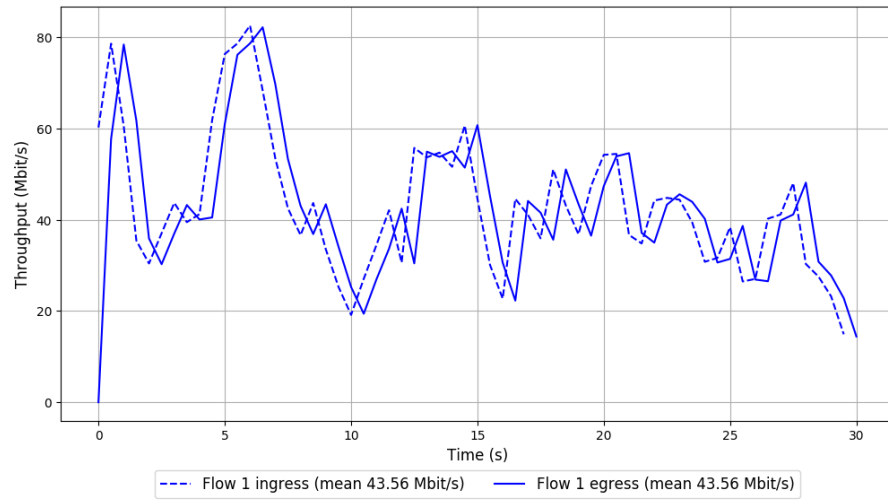


Run 5: Statistics of Muses_DecisionTree

Start at: 2019-08-27 07:39:29
End at: 2019-08-27 07:39:59
Local clock offset: 0.932 ms
Remote clock offset: -4.986 ms

Below is generated by plot.py at 2019-08-27 08:11:08
Datalink statistics
-- Total of 1 flow:
Average throughput: 43.56 Mbit/s
95th percentile per-packet one-way delay: 18.328 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 43.56 Mbit/s
95th percentile per-packet one-way delay: 18.328 ms
Loss rate: 0.06%

Run 5: Report of Muses_DecisionTree — Data Link

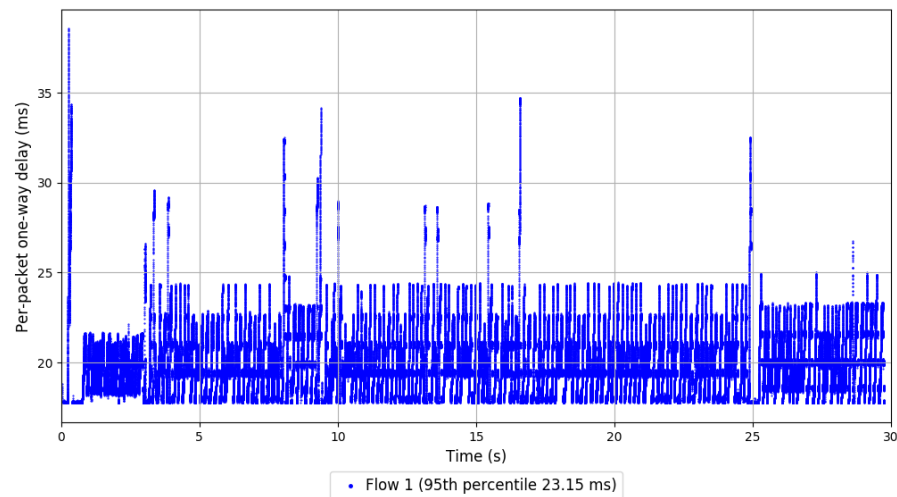
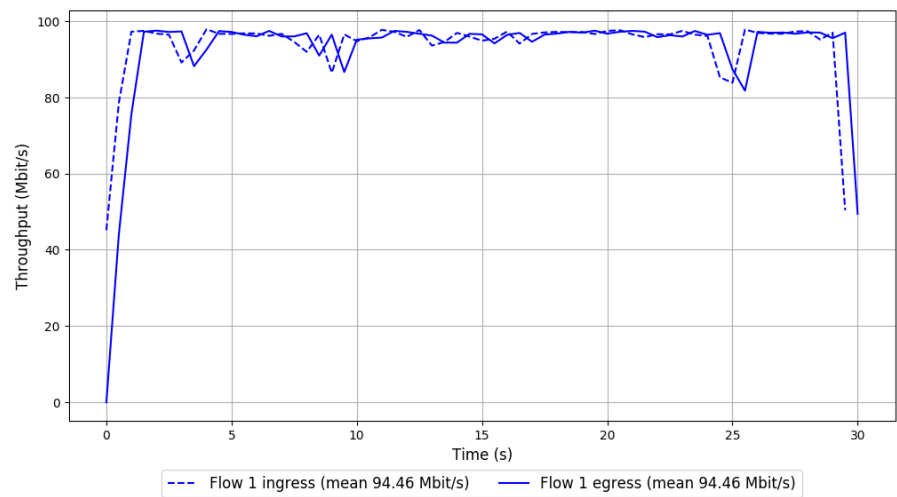


Run 1: Statistics of Muses_DecisionTreeH0

Start at: 2019-08-27 05:33:10
End at: 2019-08-27 05:33:40
Local clock offset: -1.199 ms
Remote clock offset: -0.886 ms

Below is generated by plot.py at 2019-08-27 08:11:23
Datalink statistics
-- Total of 1 flow:
Average throughput: 94.46 Mbit/s
95th percentile per-packet one-way delay: 23.150 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 94.46 Mbit/s
95th percentile per-packet one-way delay: 23.150 ms
Loss rate: 0.09%

Run 1: Report of Muses_DecisionTreeH0 — Data Link

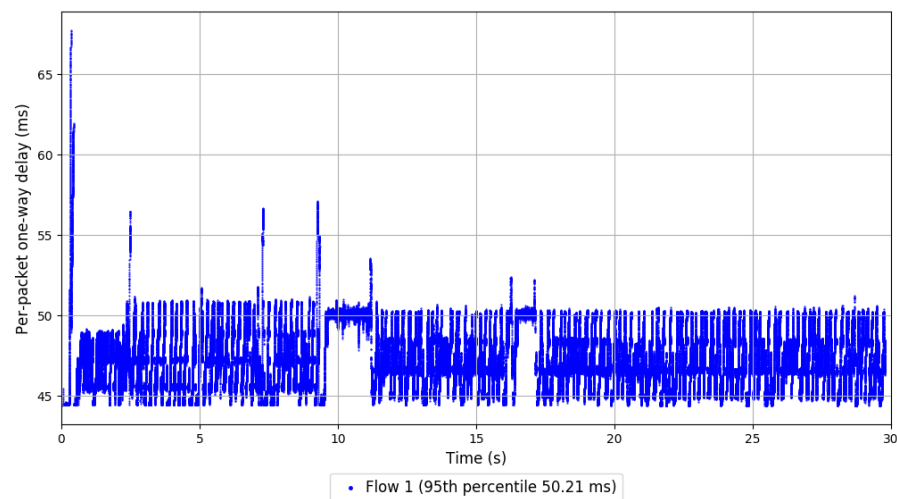
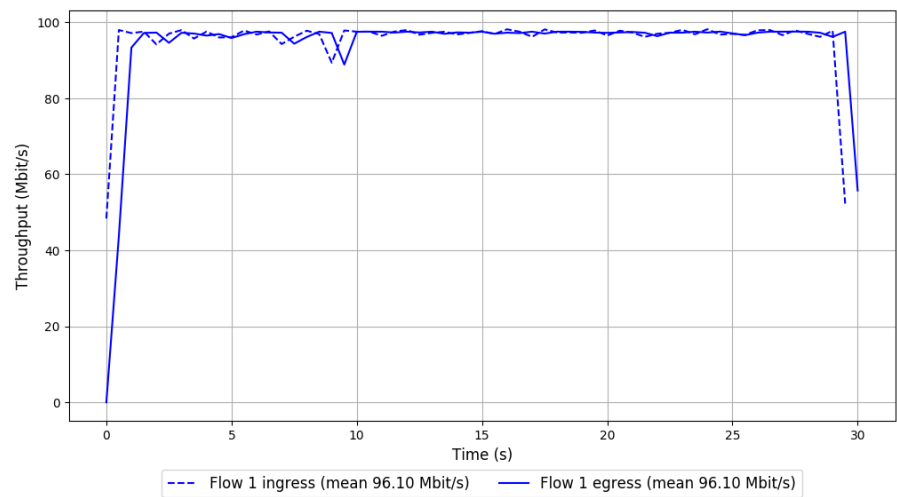


Run 2: Statistics of Muses_DecisionTreeH0

Start at: 2019-08-27 06:01:55
End at: 2019-08-27 06:02:25
Local clock offset: -0.325 ms
Remote clock offset: -25.501 ms

Below is generated by plot.py at 2019-08-27 08:11:28
Datalink statistics
-- Total of 1 flow:
Average throughput: 96.10 Mbit/s
95th percentile per-packet one-way delay: 50.211 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 96.10 Mbit/s
95th percentile per-packet one-way delay: 50.211 ms
Loss rate: 0.10%

Run 2: Report of Muses_DecisionTreeH0 — Data Link

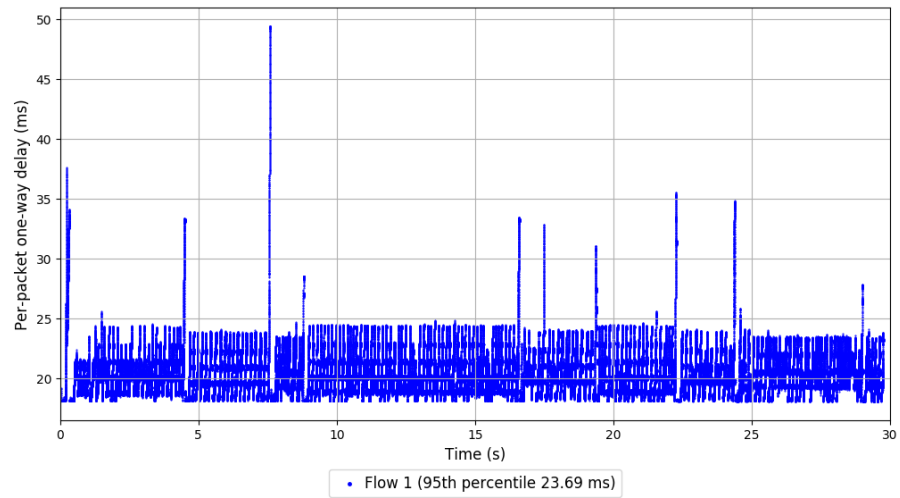
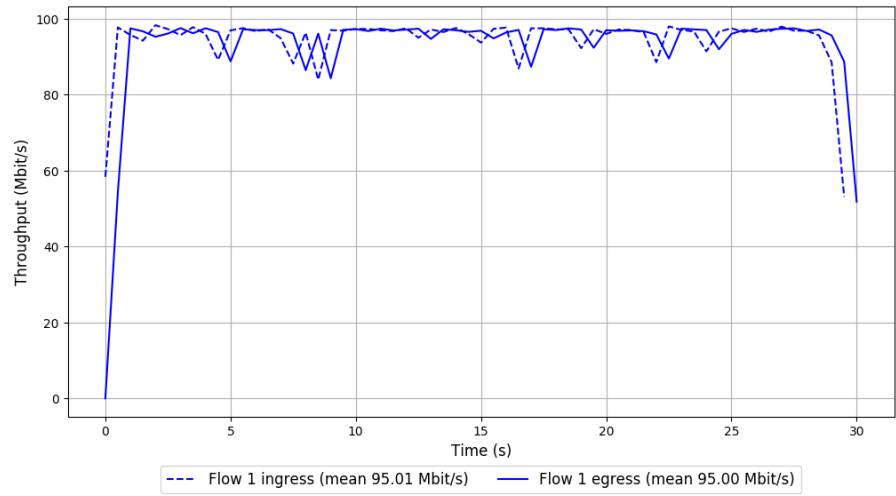


Run 3: Statistics of Muses_DecisionTreeH0

Start at: 2019-08-27 06:31:43
End at: 2019-08-27 06:32:13
Local clock offset: -0.768 ms
Remote clock offset: -6.446 ms

Below is generated by plot.py at 2019-08-27 08:11:35
Datalink statistics
-- Total of 1 flow:
Average throughput: 95.00 Mbit/s
95th percentile per-packet one-way delay: 23.686 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 95.00 Mbit/s
95th percentile per-packet one-way delay: 23.686 ms
Loss rate: 0.09%

Run 3: Report of Muses_DecisionTreeH0 — Data Link

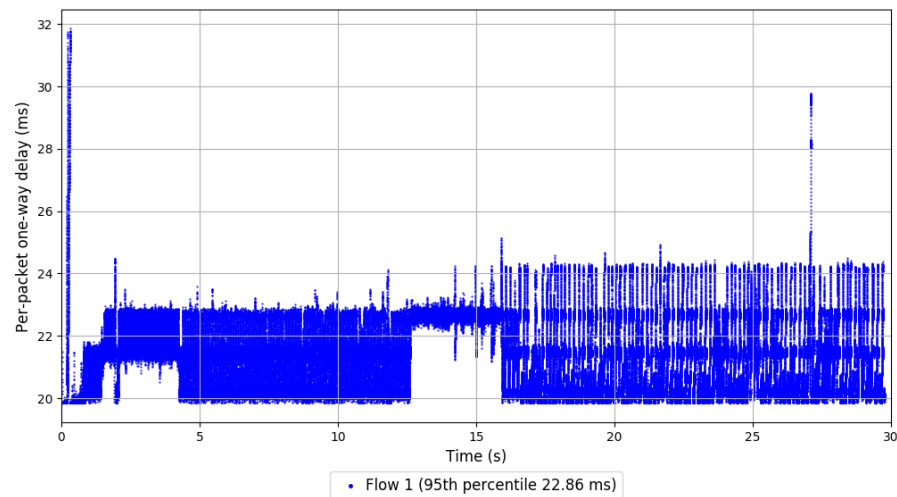
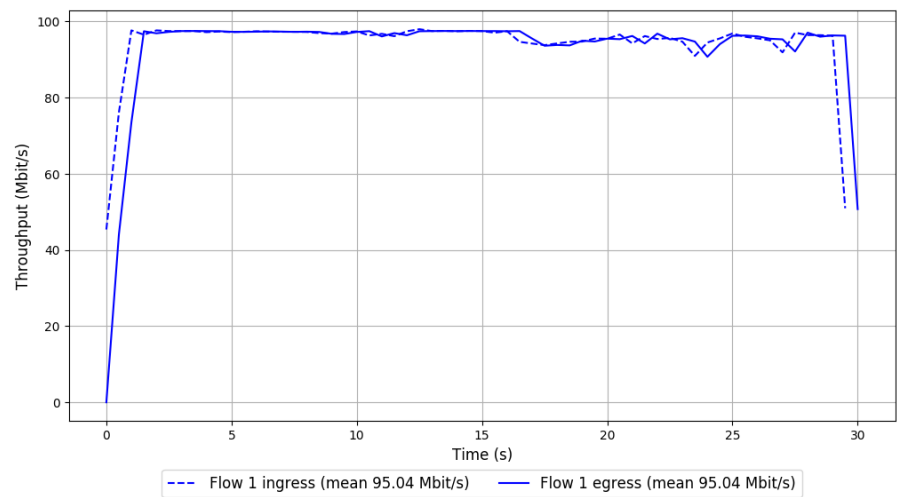


Run 4: Statistics of Muses_DecisionTreeH0

Start at: 2019-08-27 07:01:07
End at: 2019-08-27 07:01:37
Local clock offset: 1.503 ms
Remote clock offset: -6.224 ms

Below is generated by plot.py at 2019-08-27 08:11:54
Datalink statistics
-- Total of 1 flow:
Average throughput: 95.04 Mbit/s
95th percentile per-packet one-way delay: 22.864 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 95.04 Mbit/s
95th percentile per-packet one-way delay: 22.864 ms
Loss rate: 0.08%

Run 4: Report of Muses_DecisionTreeH0 — Data Link

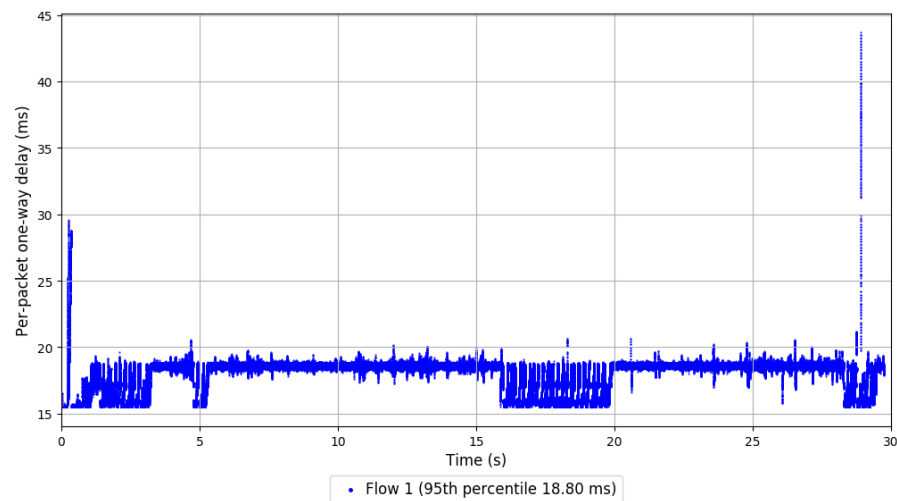
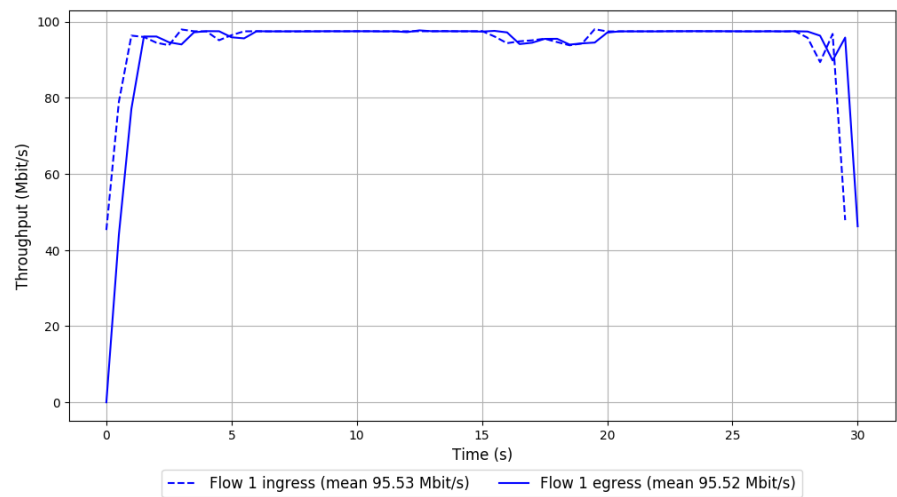


Run 5: Statistics of Muses_DecisionTreeH0

Start at: 2019-08-27 07:30:53
End at: 2019-08-27 07:31:23
Local clock offset: -5.954 ms
Remote clock offset: -9.368 ms

Below is generated by plot.py at 2019-08-27 08:12:03
Datalink statistics
-- Total of 1 flow:
Average throughput: 95.52 Mbit/s
95th percentile per-packet one-way delay: 18.797 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 95.52 Mbit/s
95th percentile per-packet one-way delay: 18.797 ms
Loss rate: 0.09%

Run 5: Report of Muses_DecisionTreeH0 — Data Link

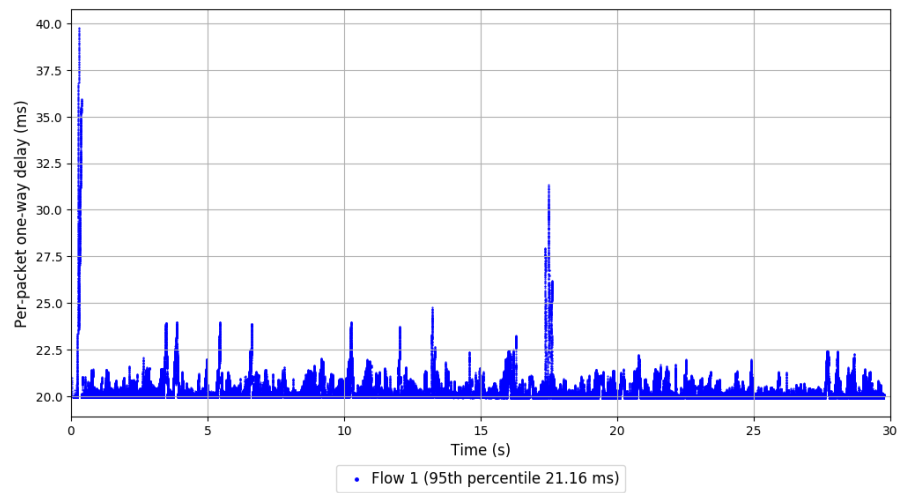
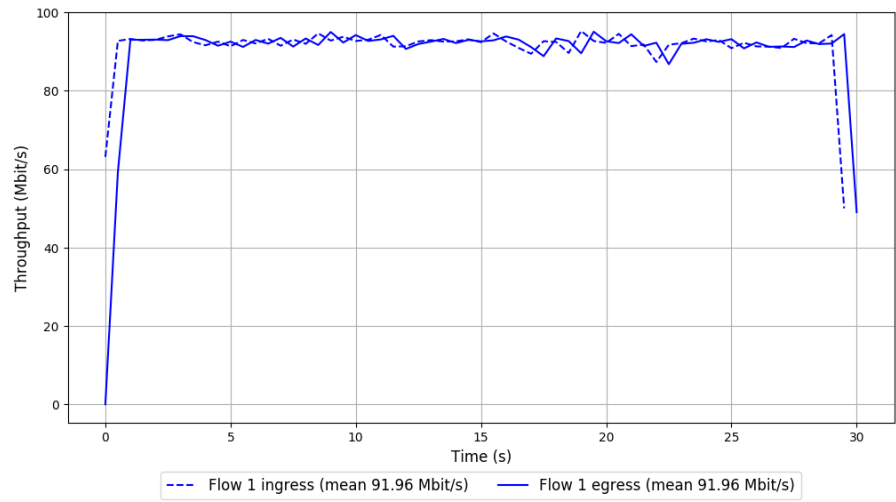


```
Run 1: Statistics of Muses\_DecisionTreeR0

Start at: 2019-08-27 05:48:36
End at: 2019-08-27 05:49:06
Local clock offset: -0.306 ms
Remote clock offset: -2.624 ms

# Below is generated by plot.py at 2019-08-27 08:12:03
# Datalink statistics
-- Total of 1 flow:
Average throughput: 91.96 Mbit/s
95th percentile per-packet one-way delay: 21.158 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 91.96 Mbit/s
95th percentile per-packet one-way delay: 21.158 ms
Loss rate: 0.09%
```

Run 1: Report of Muses_DecisionTreeR0 — Data Link

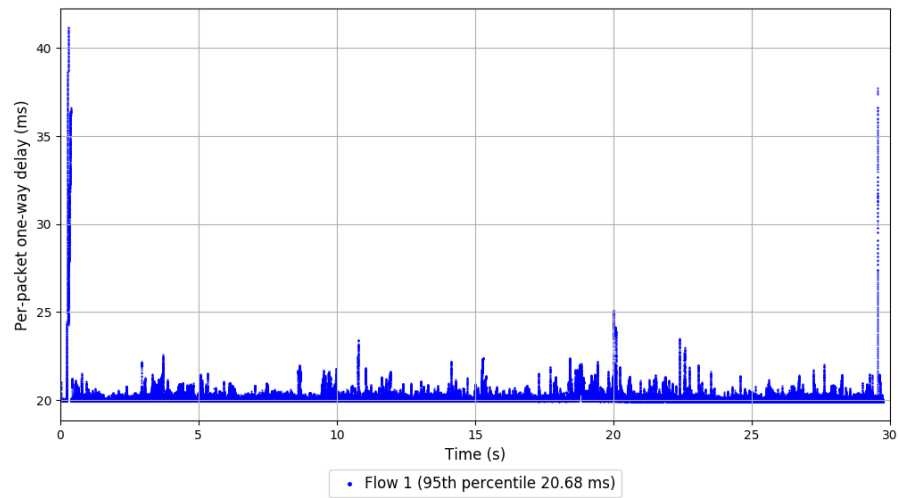
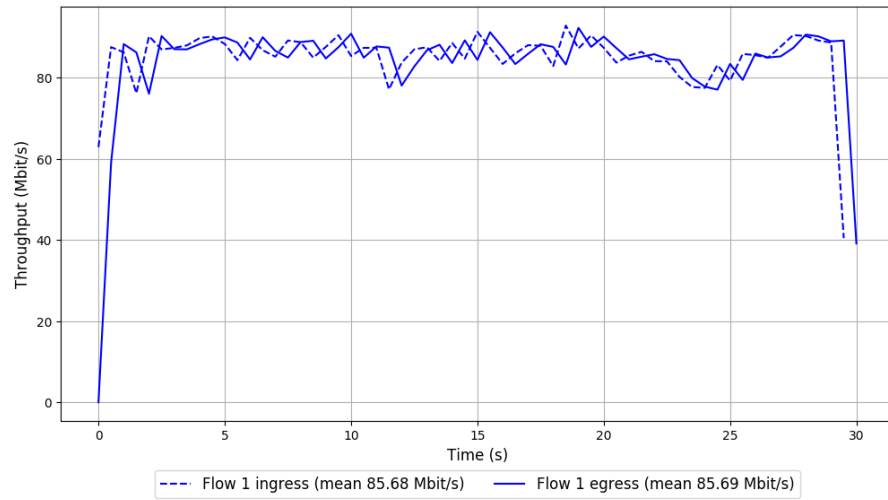


Run 2: Statistics of Muses_DecisionTreeR0

Start at: 2019-08-27 06:17:44
End at: 2019-08-27 06:18:14
Local clock offset: -1.043 ms
Remote clock offset: -3.467 ms

Below is generated by plot.py at 2019-08-27 08:12:03
Datalink statistics
-- Total of 1 flow:
Average throughput: 85.69 Mbit/s
95th percentile per-packet one-way delay: 20.684 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 85.69 Mbit/s
95th percentile per-packet one-way delay: 20.684 ms
Loss rate: 0.09%

Run 2: Report of Muses_DecisionTreeR0 — Data Link



Run 3: Statistics of Muses_DecisionTreeR0

Start at: 2019-08-27 06:47:33
End at: 2019-08-27 06:48:03
Local clock offset: 0.138 ms
Remote clock offset: -4.882 ms

Below is generated by plot.py at 2019-08-27 08:12:18

Datalink statistics

-- Total of 1 flow:

Average throughput: 94.46 Mbit/s

95th percentile per-packet one-way delay: 19.319 ms

Loss rate: 0.09%

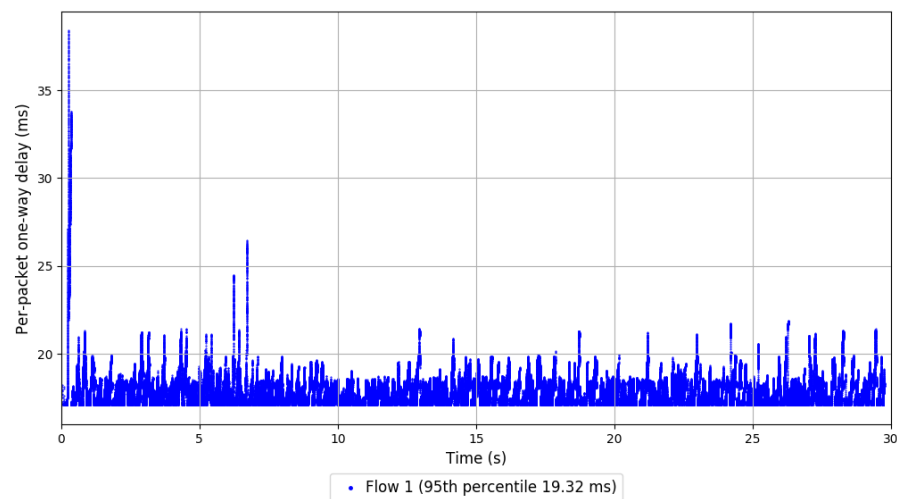
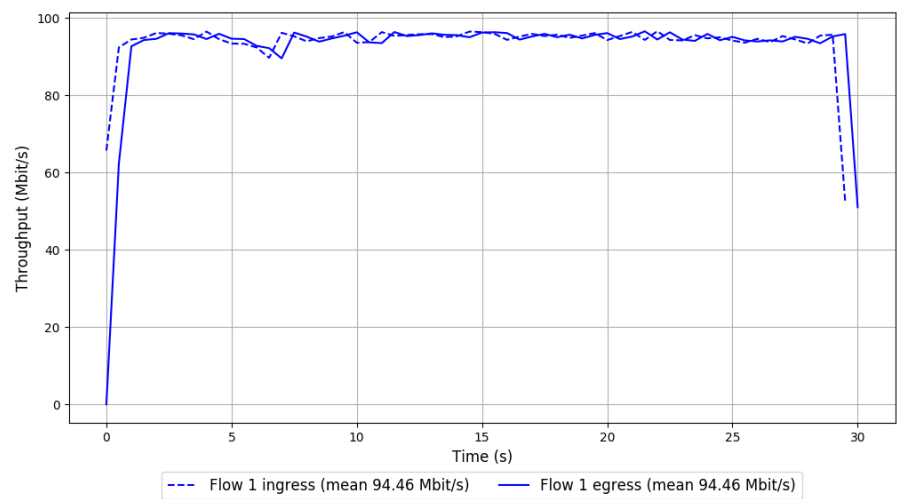
-- Flow 1:

Average throughput: 94.46 Mbit/s

95th percentile per-packet one-way delay: 19.319 ms

Loss rate: 0.09%

Run 3: Report of Muses_DecisionTreeR0 — Data Link

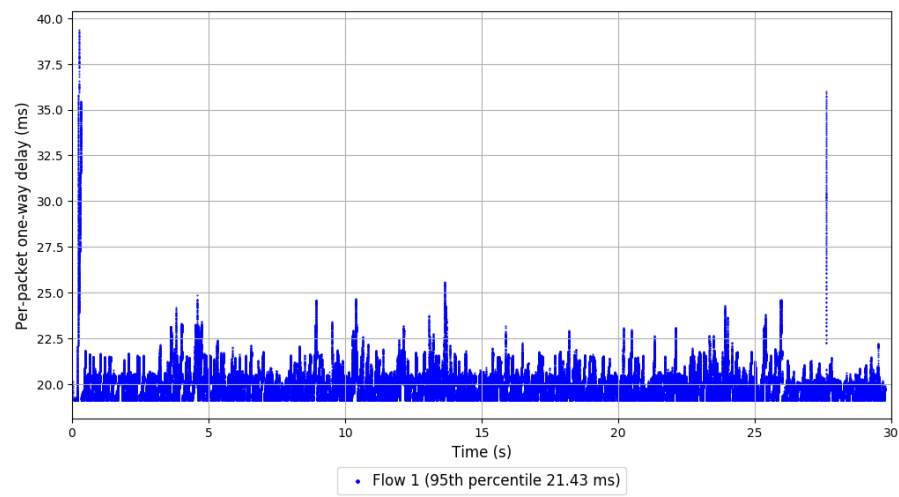
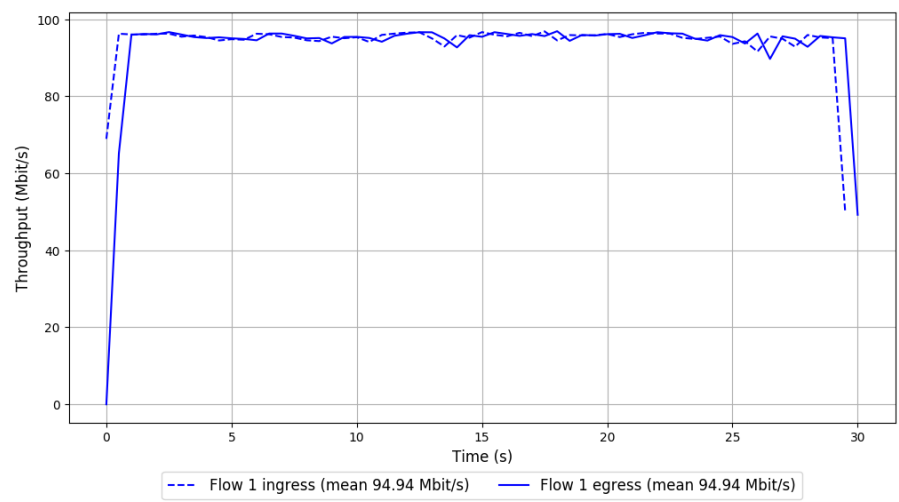


Run 4: Statistics of Muses_DecisionTreeR0

Start at: 2019-08-27 07:16:59
End at: 2019-08-27 07:17:29
Local clock offset: 1.378 ms
Remote clock offset: -4.308 ms

Below is generated by plot.py at 2019-08-27 08:12:30
Datalink statistics
-- Total of 1 flow:
Average throughput: 94.94 Mbit/s
95th percentile per-packet one-way delay: 21.431 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 94.94 Mbit/s
95th percentile per-packet one-way delay: 21.431 ms
Loss rate: 0.08%

Run 4: Report of Muses_DecisionTreeR0 — Data Link

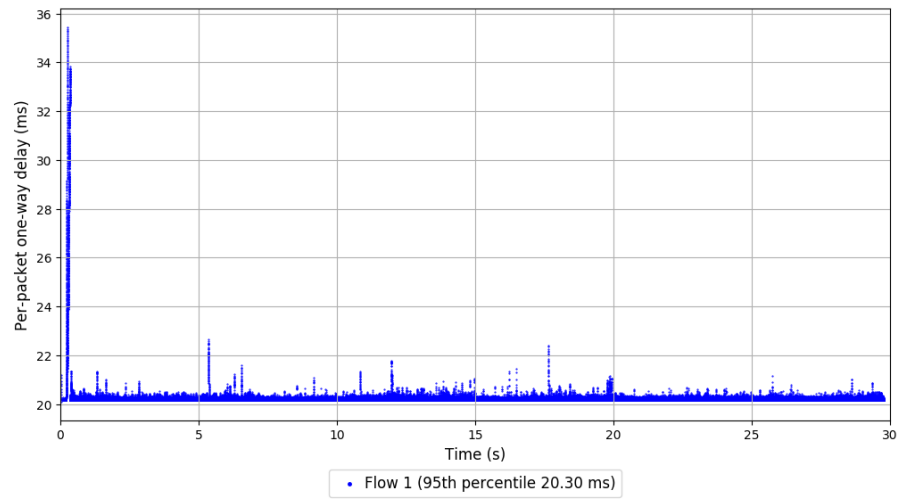
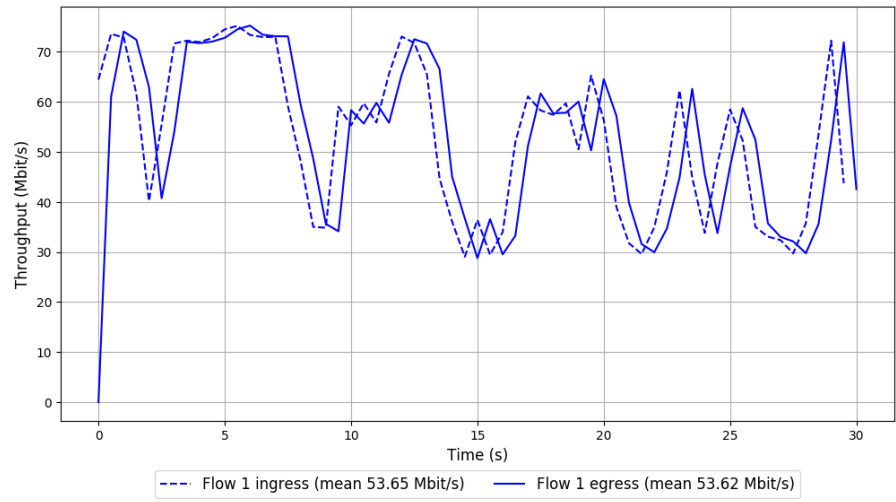


Run 5: Statistics of Muses_DecisionTreeR0

Start at: 2019-08-27 07:46:44
End at: 2019-08-27 07:47:14
Local clock offset: 1.305 ms
Remote clock offset: -6.753 ms

Below is generated by plot.py at 2019-08-27 08:12:31
Datalink statistics
-- Total of 1 flow:
Average throughput: 53.62 Mbit/s
95th percentile per-packet one-way delay: 20.300 ms
Loss rate: 0.14%
-- Flow 1:
Average throughput: 53.62 Mbit/s
95th percentile per-packet one-way delay: 20.300 ms
Loss rate: 0.14%

Run 5: Report of Muses_DecisionTreeR0 — Data Link



Run 1: Statistics of PCC-Allegro

Start at: 2019-08-27 05:43:39

End at: 2019-08-27 05:44:09

Local clock offset: -1.347 ms

Remote clock offset: -1.427 ms

Below is generated by plot.py at 2019-08-27 08:12:40

Datalink statistics

-- Total of 1 flow:

Average throughput: 91.71 Mbit/s

95th percentile per-packet one-way delay: 20.202 ms

Loss rate: 0.08%

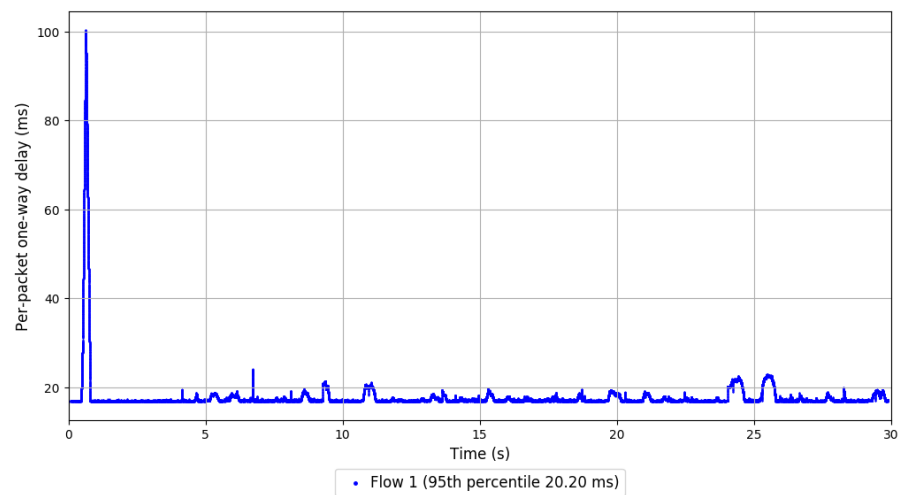
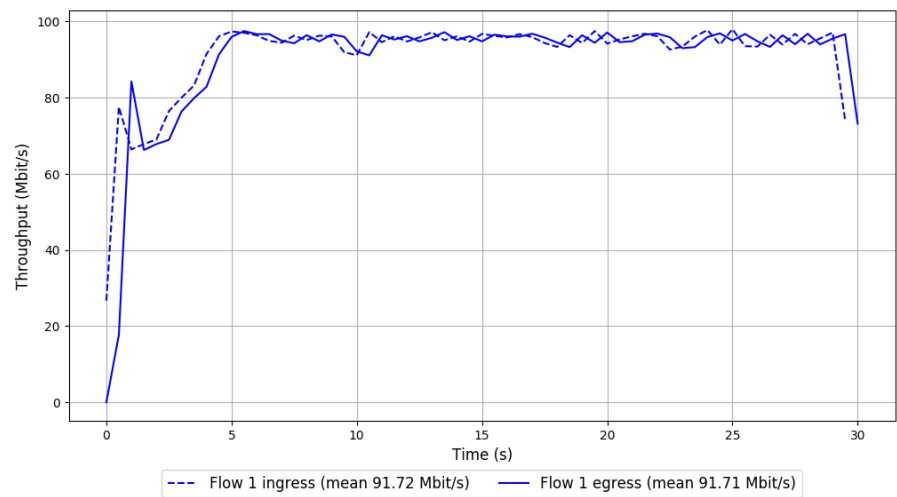
-- Flow 1:

Average throughput: 91.71 Mbit/s

95th percentile per-packet one-way delay: 20.202 ms

Loss rate: 0.08%

Run 1: Report of PCC-Allegro — Data Link



Run 2: Statistics of PCC-Allegro

Start at: 2019-08-27 06:12:32

End at: 2019-08-27 06:13:02

Local clock offset: 0.18 ms

Remote clock offset: -3.867 ms

Below is generated by plot.py at 2019-08-27 08:12:59

Datalink statistics

-- Total of 1 flow:

Average throughput: 93.11 Mbit/s

95th percentile per-packet one-way delay: 27.744 ms

Loss rate: 0.12%

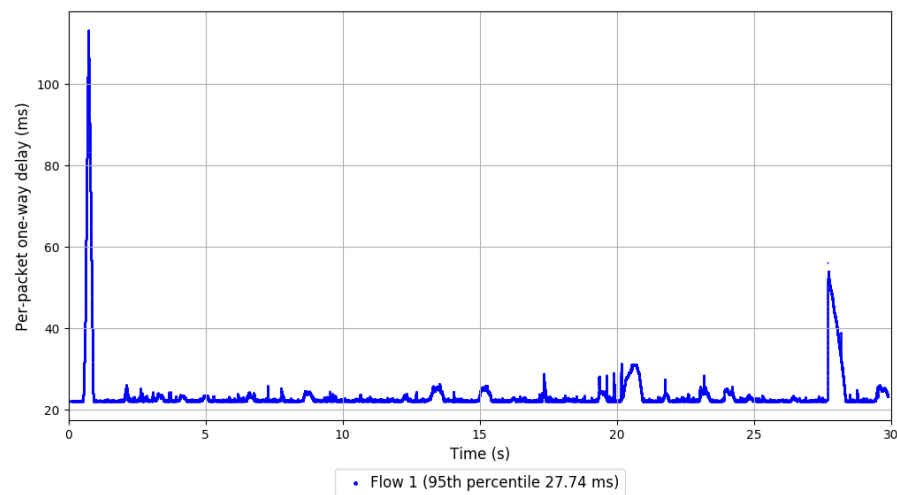
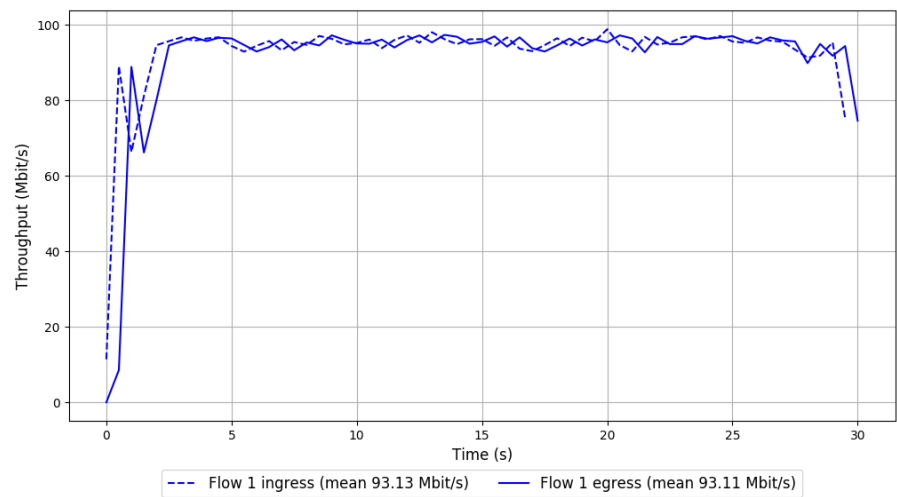
-- Flow 1:

Average throughput: 93.11 Mbit/s

95th percentile per-packet one-way delay: 27.744 ms

Loss rate: 0.12%

Run 2: Report of PCC-Allegro — Data Link



Run 3: Statistics of PCC-Allegro

Start at: 2019-08-27 06:42:32

End at: 2019-08-27 06:43:02

Local clock offset: 0.154 ms

Remote clock offset: -6.904 ms

Below is generated by plot.py at 2019-08-27 08:13:00

Datalink statistics

-- Total of 1 flow:

Average throughput: 93.88 Mbit/s

95th percentile per-packet one-way delay: 21.343 ms

Loss rate: 0.08%

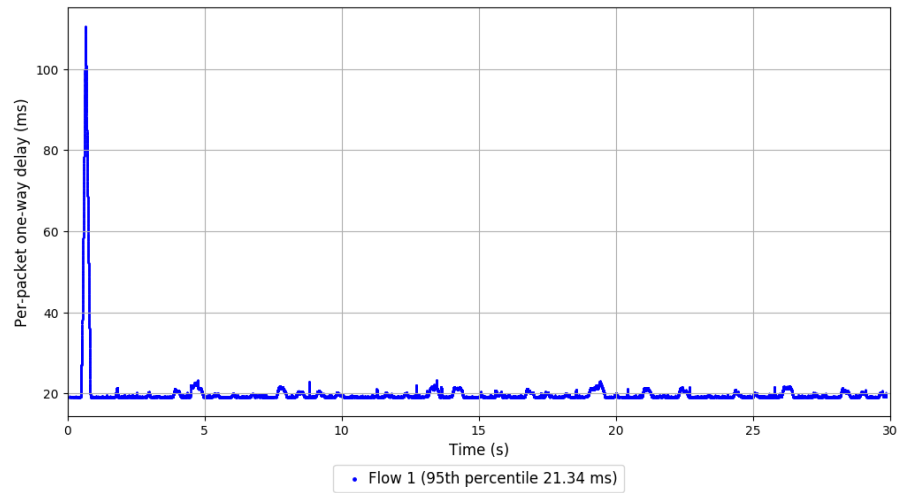
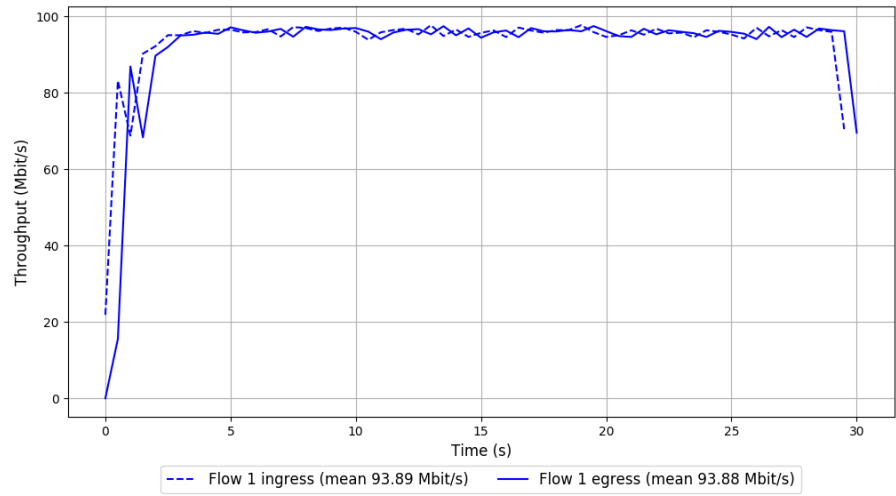
-- Flow 1:

Average throughput: 93.88 Mbit/s

95th percentile per-packet one-way delay: 21.343 ms

Loss rate: 0.08%

Run 3: Report of PCC-Allegro — Data Link



Run 4: Statistics of PCC-Allegro

Start at: 2019-08-27 07:11:52

End at: 2019-08-27 07:12:22

Local clock offset: 1.377 ms

Remote clock offset: -4.524 ms

Below is generated by plot.py at 2019-08-27 08:13:02

Datalink statistics

-- Total of 1 flow:

Average throughput: 91.28 Mbit/s

95th percentile per-packet one-way delay: 23.222 ms

Loss rate: 0.10%

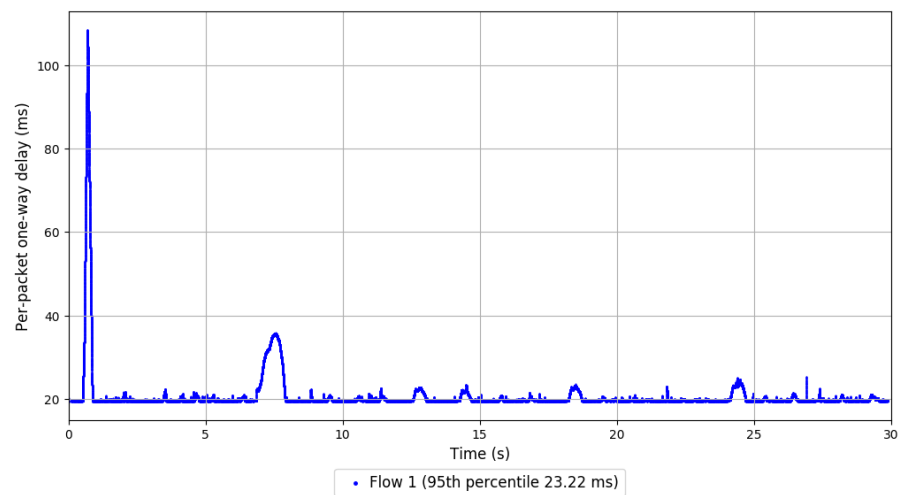
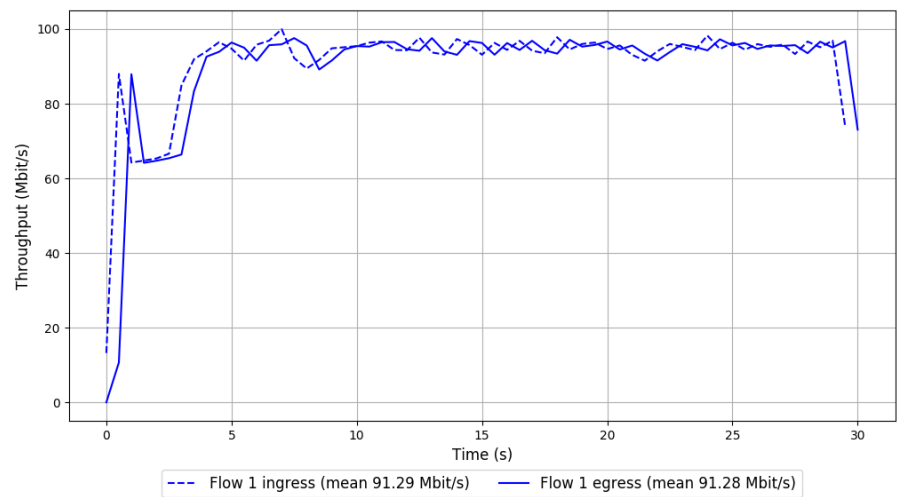
-- Flow 1:

Average throughput: 91.28 Mbit/s

95th percentile per-packet one-way delay: 23.222 ms

Loss rate: 0.10%

Run 4: Report of PCC-Allegro — Data Link



Run 5: Statistics of PCC-Allegro

Start at: 2019-08-27 07:41:45

End at: 2019-08-27 07:42:15

Local clock offset: 0.28 ms

Remote clock offset: -6.28 ms

Below is generated by plot.py at 2019-08-27 08:13:05

Datalink statistics

-- Total of 1 flow:

Average throughput: 93.37 Mbit/s

95th percentile per-packet one-way delay: 21.474 ms

Loss rate: 0.08%

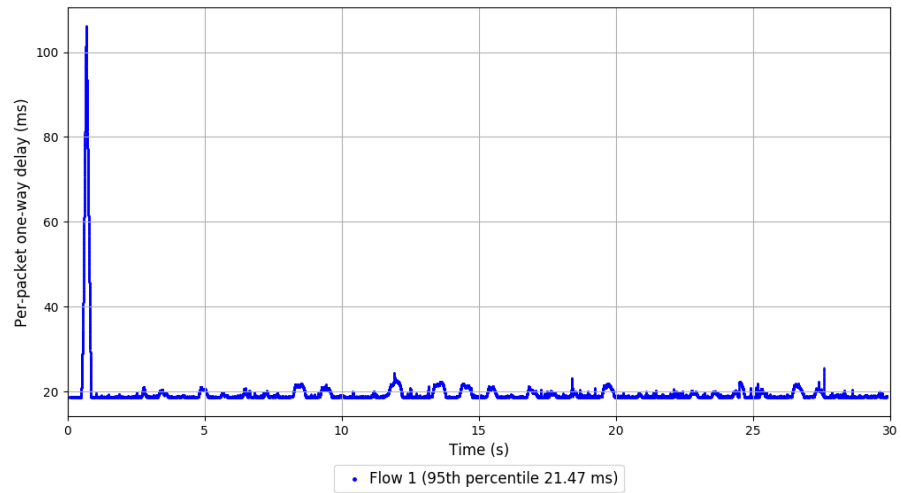
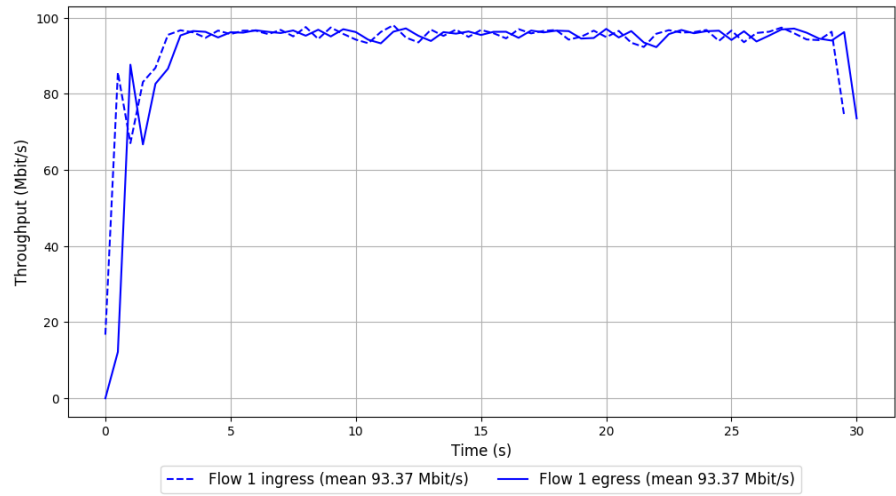
-- Flow 1:

Average throughput: 93.37 Mbit/s

95th percentile per-packet one-way delay: 21.474 ms

Loss rate: 0.08%

Run 5: Report of PCC-Allegro — Data Link



Run 1: Statistics of PCC-Expr

Start at: 2019-08-27 05:49:47

End at: 2019-08-27 05:50:17

Local clock offset: -0.804 ms

Remote clock offset: -2.36 ms

Below is generated by plot.py at 2019-08-27 08:14:01

Datalink statistics

-- Total of 1 flow:

Average throughput: 85.92 Mbit/s

95th percentile per-packet one-way delay: 50.082 ms

Loss rate: 0.32%

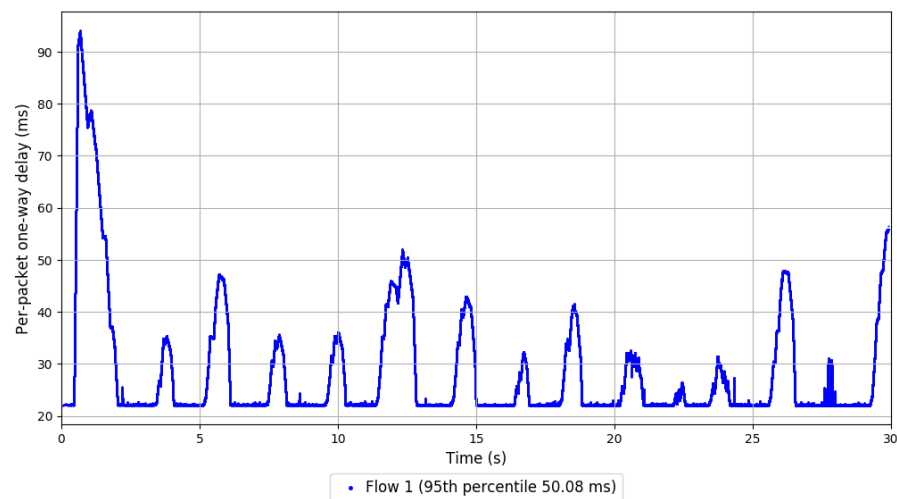
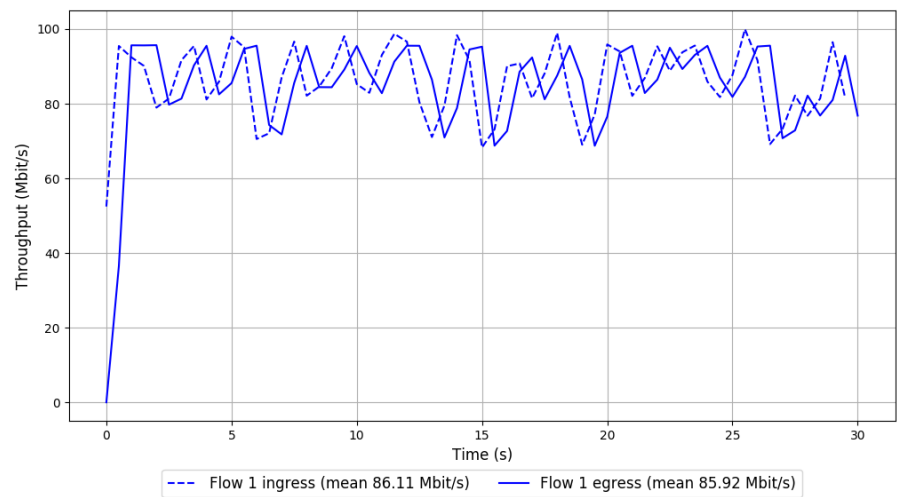
-- Flow 1:

Average throughput: 85.92 Mbit/s

95th percentile per-packet one-way delay: 50.082 ms

Loss rate: 0.32%

Run 1: Report of PCC-Expr — Data Link

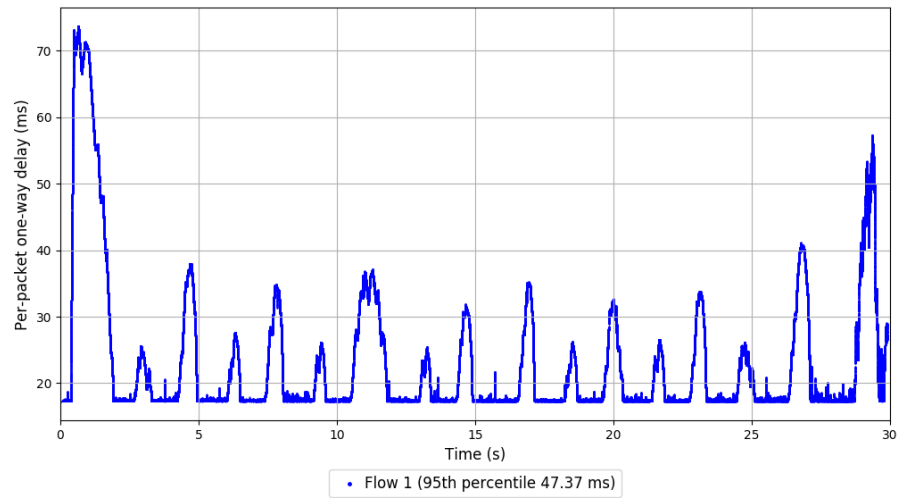
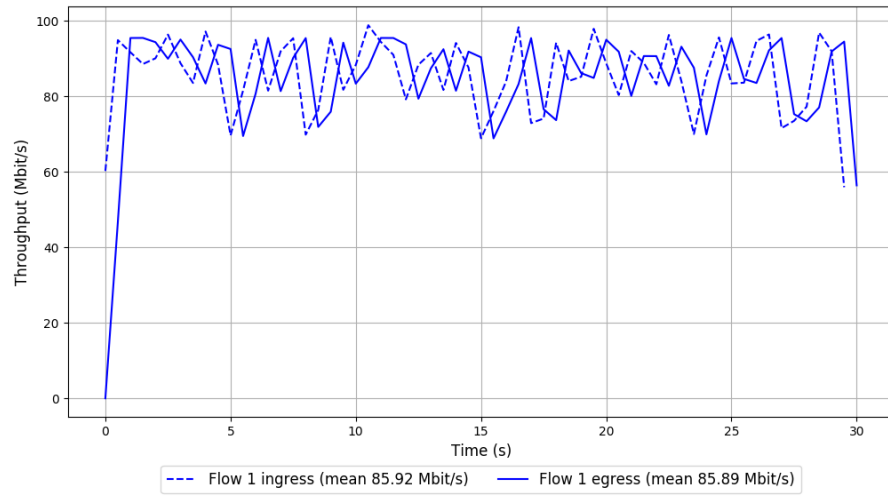


Run 2: Statistics of PCC-Expr

Start at: 2019-08-27 06:18:58
End at: 2019-08-27 06:19:28
Local clock offset: -0.734 ms
Remote clock offset: -3.777 ms

Below is generated by plot.py at 2019-08-27 08:14:10
Datalink statistics
-- Total of 1 flow:
Average throughput: 85.89 Mbit/s
95th percentile per-packet one-way delay: 47.373 ms
Loss rate: 0.12%
-- Flow 1:
Average throughput: 85.89 Mbit/s
95th percentile per-packet one-way delay: 47.373 ms
Loss rate: 0.12%

Run 2: Report of PCC-Expr — Data Link

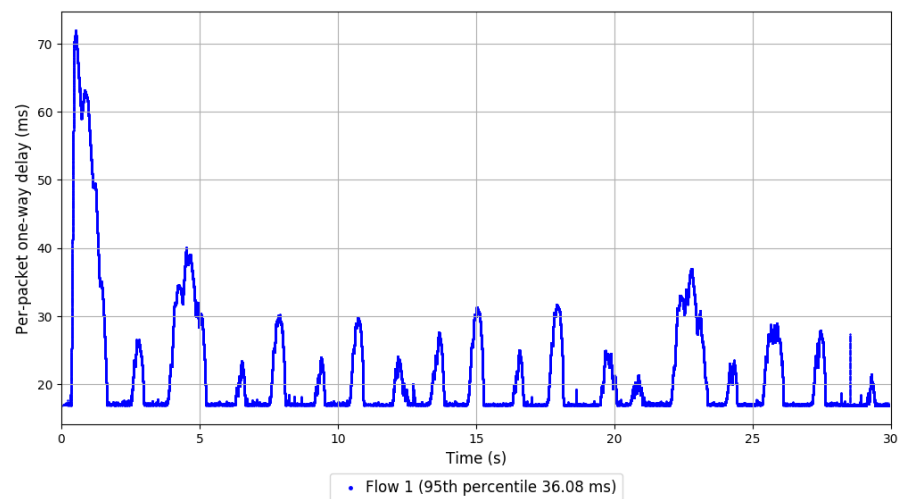
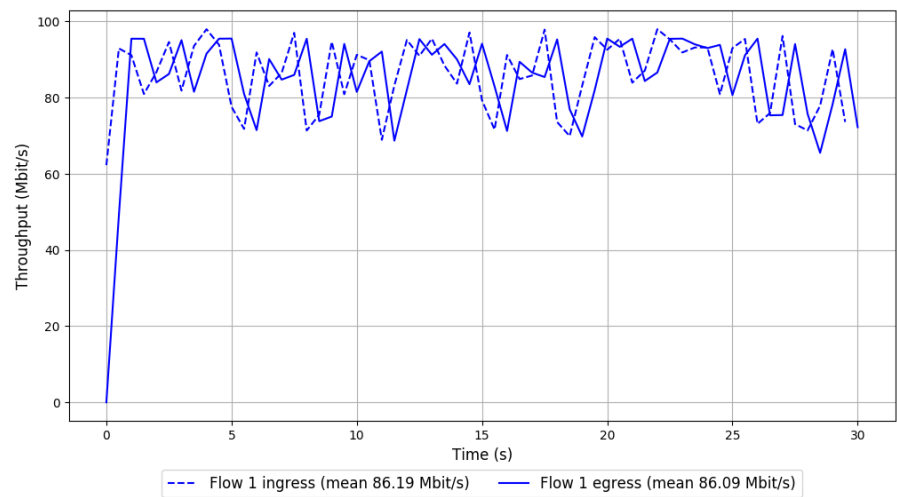


Run 3: Statistics of PCC-Expr

Start at: 2019-08-27 06:48:48
End at: 2019-08-27 06:49:18
Local clock offset: 0.824 ms
Remote clock offset: -4.093 ms

Below is generated by plot.py at 2019-08-27 08:14:30
Datalink statistics
-- Total of 1 flow:
Average throughput: 86.09 Mbit/s
95th percentile per-packet one-way delay: 36.080 ms
Loss rate: 0.20%
-- Flow 1:
Average throughput: 86.09 Mbit/s
95th percentile per-packet one-way delay: 36.080 ms
Loss rate: 0.20%

Run 3: Report of PCC-Expr — Data Link

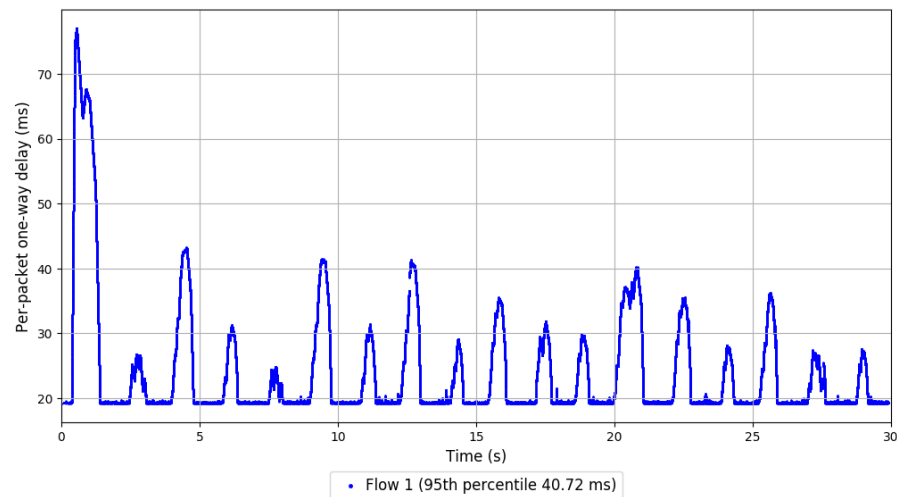
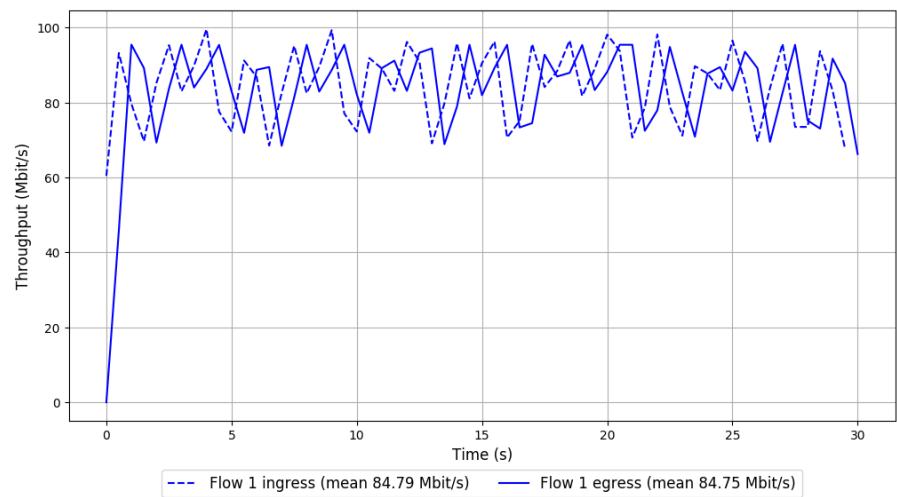


Run 4: Statistics of PCC-Expr

Start at: 2019-08-27 07:18:17
End at: 2019-08-27 07:18:47
Local clock offset: 1.399 ms
Remote clock offset: -4.451 ms

Below is generated by plot.py at 2019-08-27 08:14:39
Datalink statistics
-- Total of 1 flow:
Average throughput: 84.75 Mbit/s
95th percentile per-packet one-way delay: 40.724 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 84.75 Mbit/s
95th percentile per-packet one-way delay: 40.724 ms
Loss rate: 0.13%

Run 4: Report of PCC-Expr — Data Link

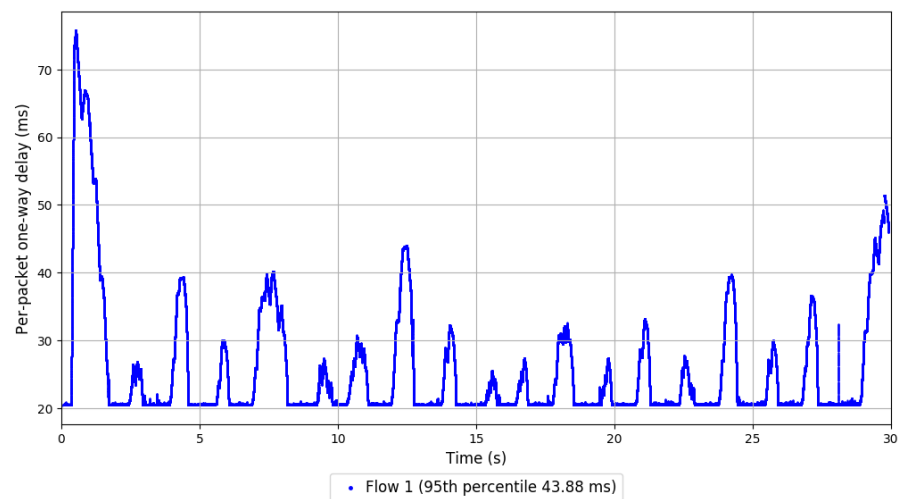
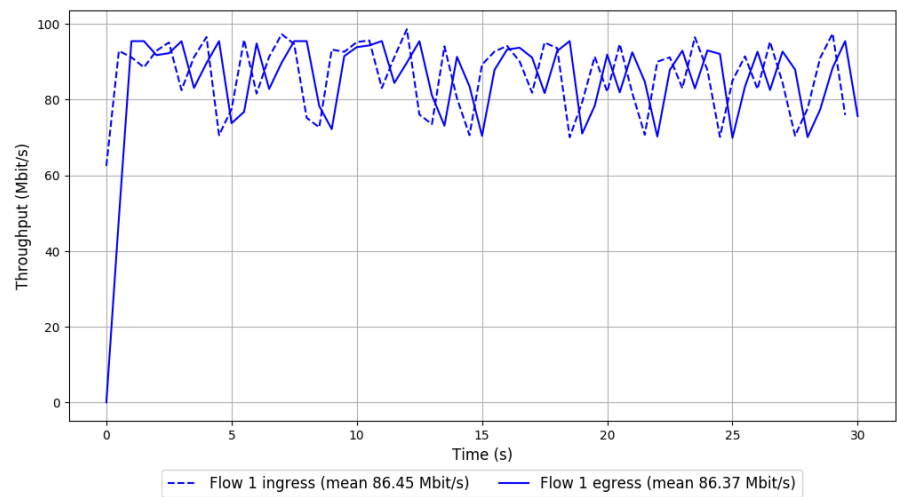


Run 5: Statistics of PCC-Expr

Start at: 2019-08-27 07:47:53
End at: 2019-08-27 07:48:23
Local clock offset: 1.348 ms
Remote clock offset: -7.031 ms

Below is generated by plot.py at 2019-08-27 08:14:58
Datalink statistics
-- Total of 1 flow:
Average throughput: 86.37 Mbit/s
95th percentile per-packet one-way delay: 43.877 ms
Loss rate: 0.17%
-- Flow 1:
Average throughput: 86.37 Mbit/s
95th percentile per-packet one-way delay: 43.877 ms
Loss rate: 0.17%

Run 5: Report of PCC-Expr — Data Link



Run 1: Statistics of QUIC Cubic

Start at: 2019-08-27 05:53:27

End at: 2019-08-27 05:53:57

Local clock offset: -0.568 ms

Remote clock offset: -2.796 ms

Below is generated by plot.py at 2019-08-27 08:14:58

Datalink statistics

-- Total of 1 flow:

Average throughput: 89.06 Mbit/s

95th percentile per-packet one-way delay: 26.653 ms

Loss rate: 0.16%

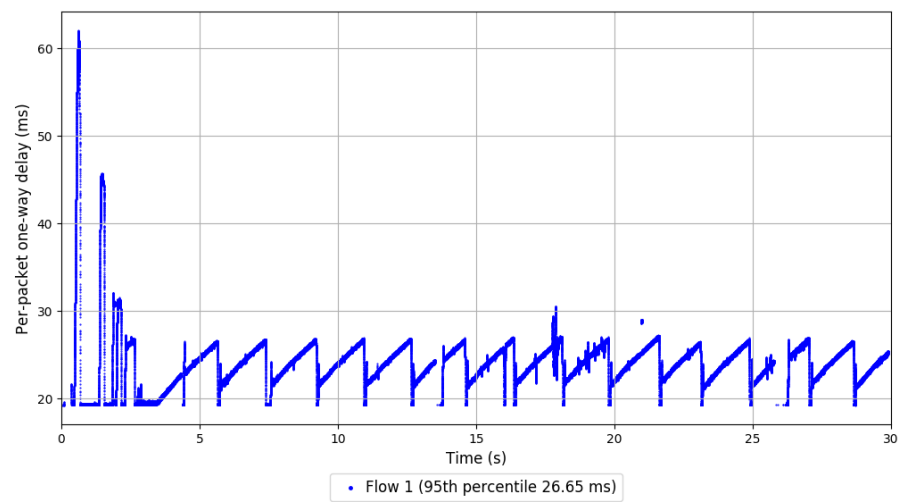
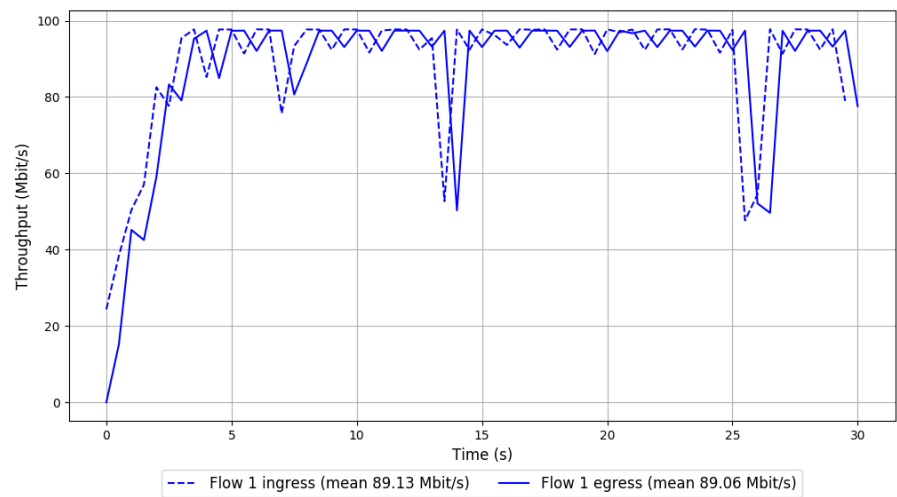
-- Flow 1:

Average throughput: 89.06 Mbit/s

95th percentile per-packet one-way delay: 26.653 ms

Loss rate: 0.16%

Run 1: Report of QUIC Cubic — Data Link



Run 2: Statistics of QUIC Cubic

Start at: 2019-08-27 06:22:59

End at: 2019-08-27 06:23:29

Local clock offset: 0.652 ms

Remote clock offset: -5.879 ms

Below is generated by plot.py at 2019-08-27 08:14:58

Datalink statistics

-- Total of 1 flow:

Average throughput: 90.70 Mbit/s

95th percentile per-packet one-way delay: 31.489 ms

Loss rate: 0.13%

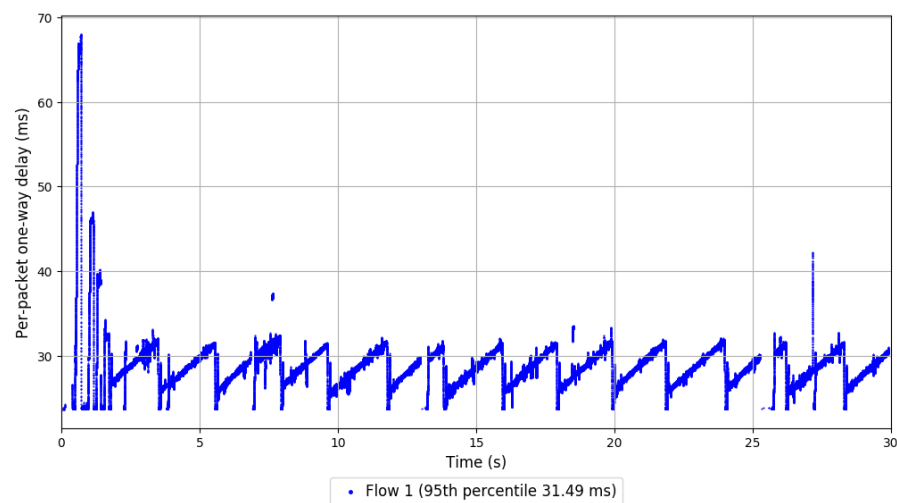
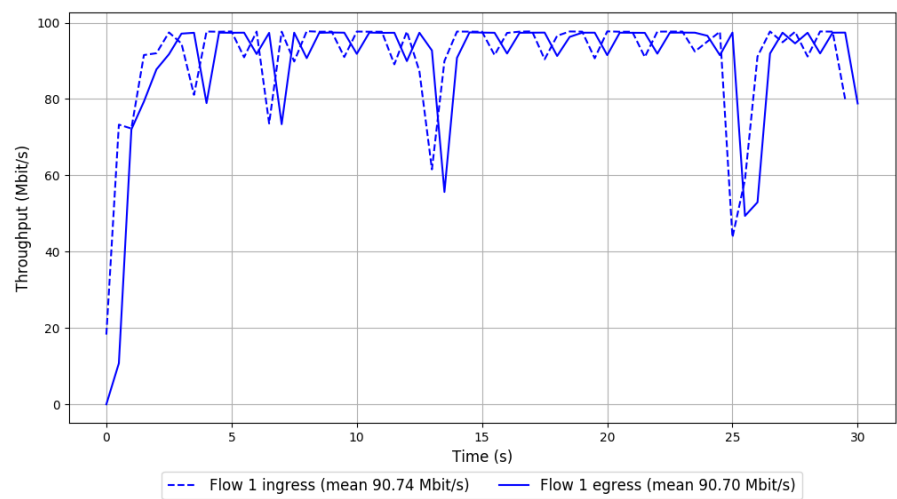
-- Flow 1:

Average throughput: 90.70 Mbit/s

95th percentile per-packet one-way delay: 31.489 ms

Loss rate: 0.13%

Run 2: Report of QUIC Cubic — Data Link



Run 3: Statistics of QUIC Cubic

Start at: 2019-08-27 06:52:23

End at: 2019-08-27 06:52:53

Local clock offset: 2.31 ms

Remote clock offset: -4.209 ms

Below is generated by plot.py at 2019-08-27 08:14:58

Datalink statistics

-- Total of 1 flow:

Average throughput: 90.39 Mbit/s

95th percentile per-packet one-way delay: 30.287 ms

Loss rate: 0.14%

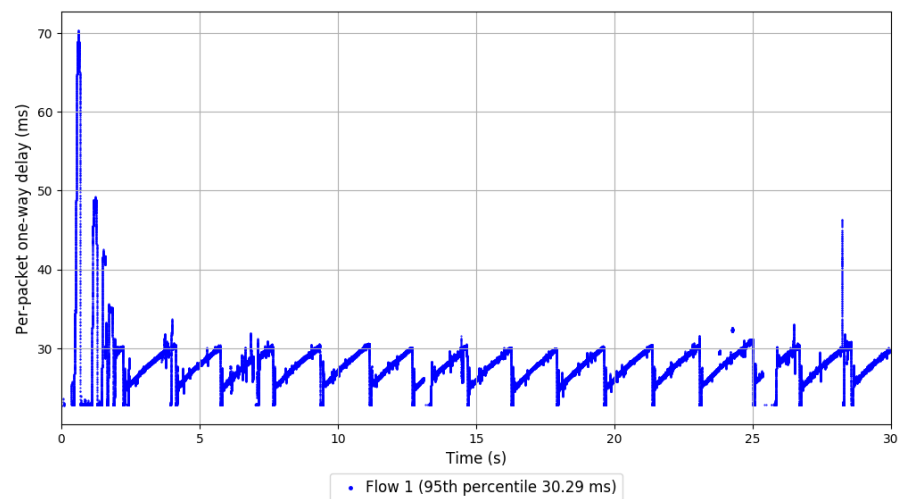
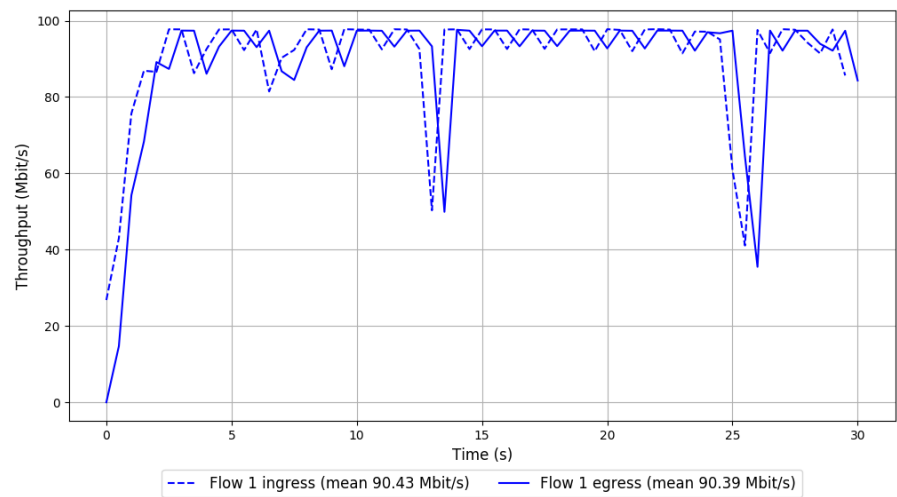
-- Flow 1:

Average throughput: 90.39 Mbit/s

95th percentile per-packet one-way delay: 30.287 ms

Loss rate: 0.14%

Run 3: Report of QUIC Cubic — Data Link



Run 4: Statistics of QUIC Cubic

Start at: 2019-08-27 07:22:12

End at: 2019-08-27 07:22:42

Local clock offset: 1.2 ms

Remote clock offset: -5.732 ms

Below is generated by plot.py at 2019-08-27 08:15:11

Datalink statistics

-- Total of 1 flow:

Average throughput: 90.85 Mbit/s

95th percentile per-packet one-way delay: 30.912 ms

Loss rate: 0.12%

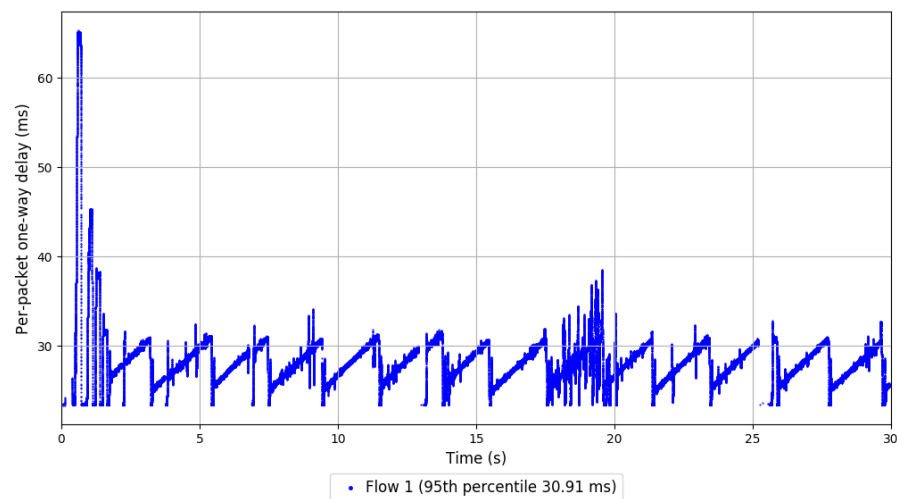
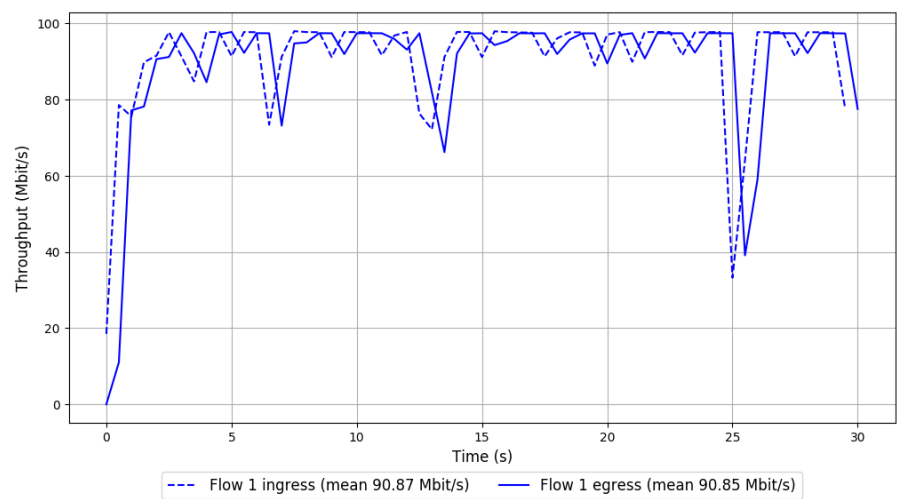
-- Flow 1:

Average throughput: 90.85 Mbit/s

95th percentile per-packet one-way delay: 30.912 ms

Loss rate: 0.12%

Run 4: Report of QUIC Cubic — Data Link



Run 5: Statistics of QUIC Cubic

Start at: 2019-08-27 07:51:29

End at: 2019-08-27 07:51:59

Local clock offset: 1.434 ms

Remote clock offset: -5.03 ms

Below is generated by plot.py at 2019-08-27 08:15:15

Datalink statistics

-- Total of 1 flow:

Average throughput: 90.97 Mbit/s

95th percentile per-packet one-way delay: 26.308 ms

Loss rate: 0.12%

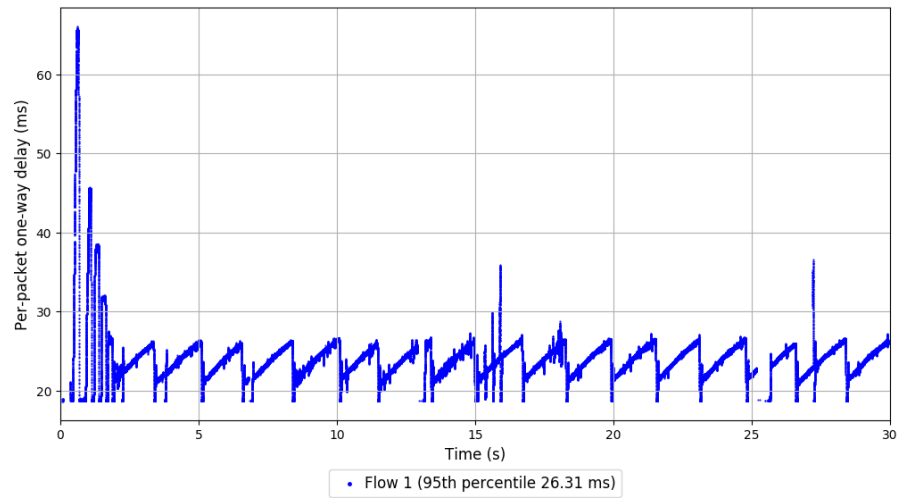
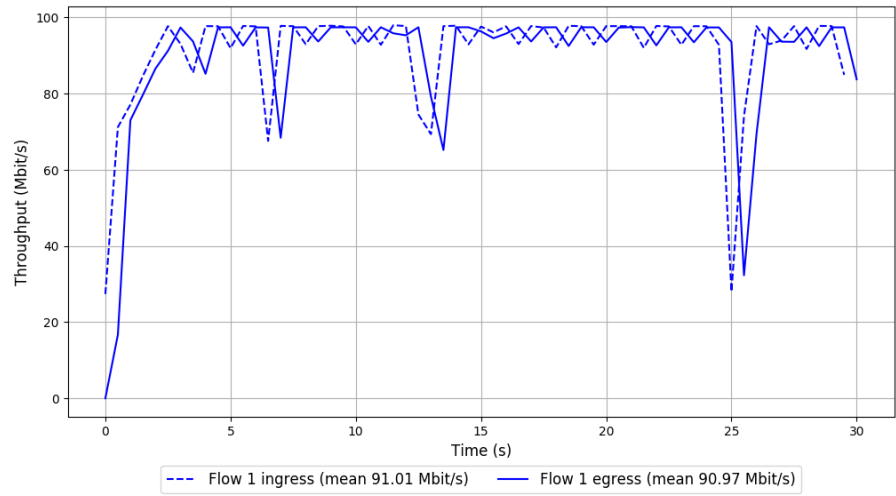
-- Flow 1:

Average throughput: 90.97 Mbit/s

95th percentile per-packet one-way delay: 26.308 ms

Loss rate: 0.12%

Run 5: Report of QUIC Cubic — Data Link

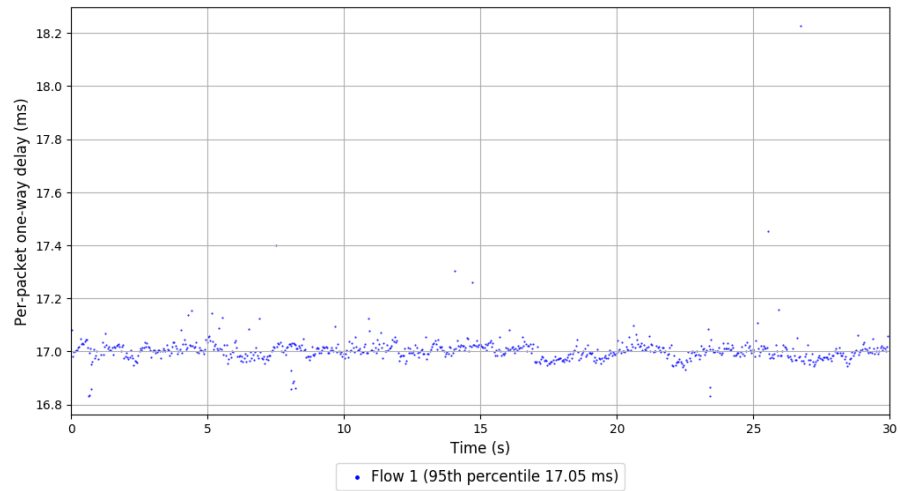
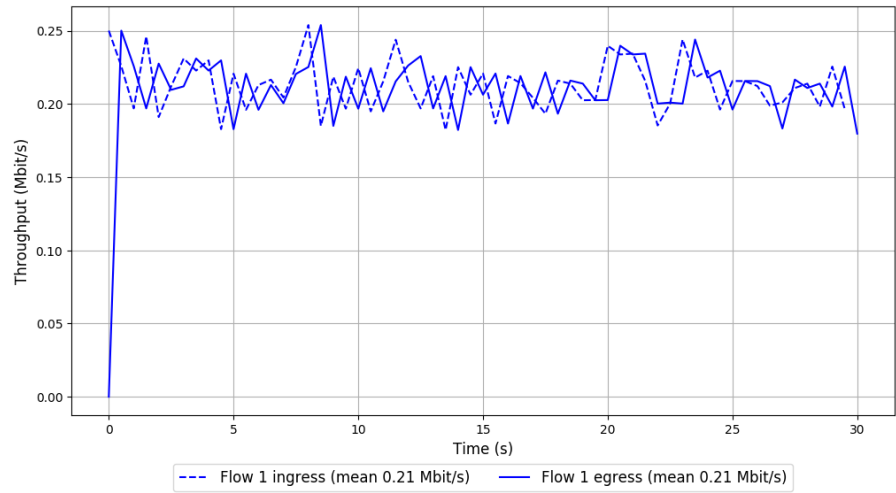


Run 1: Statistics of SCReAM

Start at: 2019-08-27 05:37:53
End at: 2019-08-27 05:38:23
Local clock offset: -1.099 ms
Remote clock offset: -1.247 ms

Below is generated by plot.py at 2019-08-27 08:15:15
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 17.048 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 17.048 ms
Loss rate: 0.13%

Run 1: Report of SReAM — Data Link

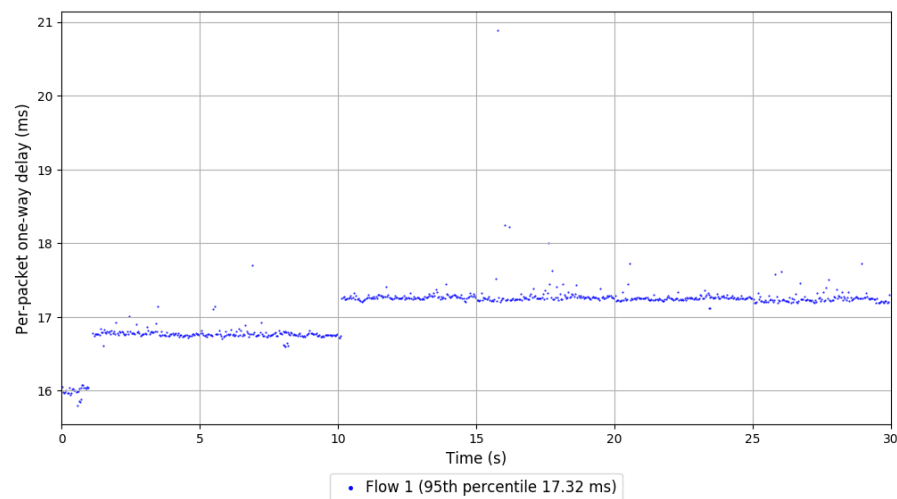
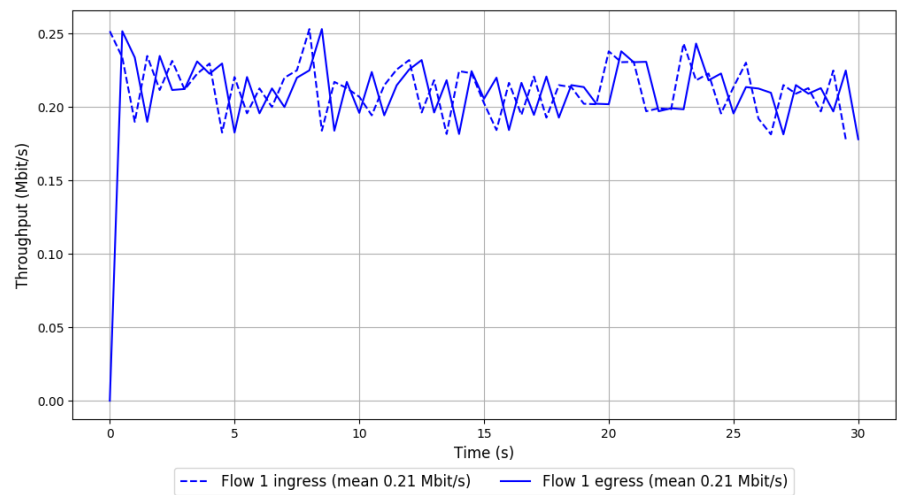


Run 2: Statistics of SCReAM

Start at: 2019-08-27 06:06:43
End at: 2019-08-27 06:07:13
Local clock offset: -0.984 ms
Remote clock offset: -2.612 ms

Below is generated by plot.py at 2019-08-27 08:15:15
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 17.325 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 17.325 ms
Loss rate: 0.00%

Run 2: Report of SReAM — Data Link

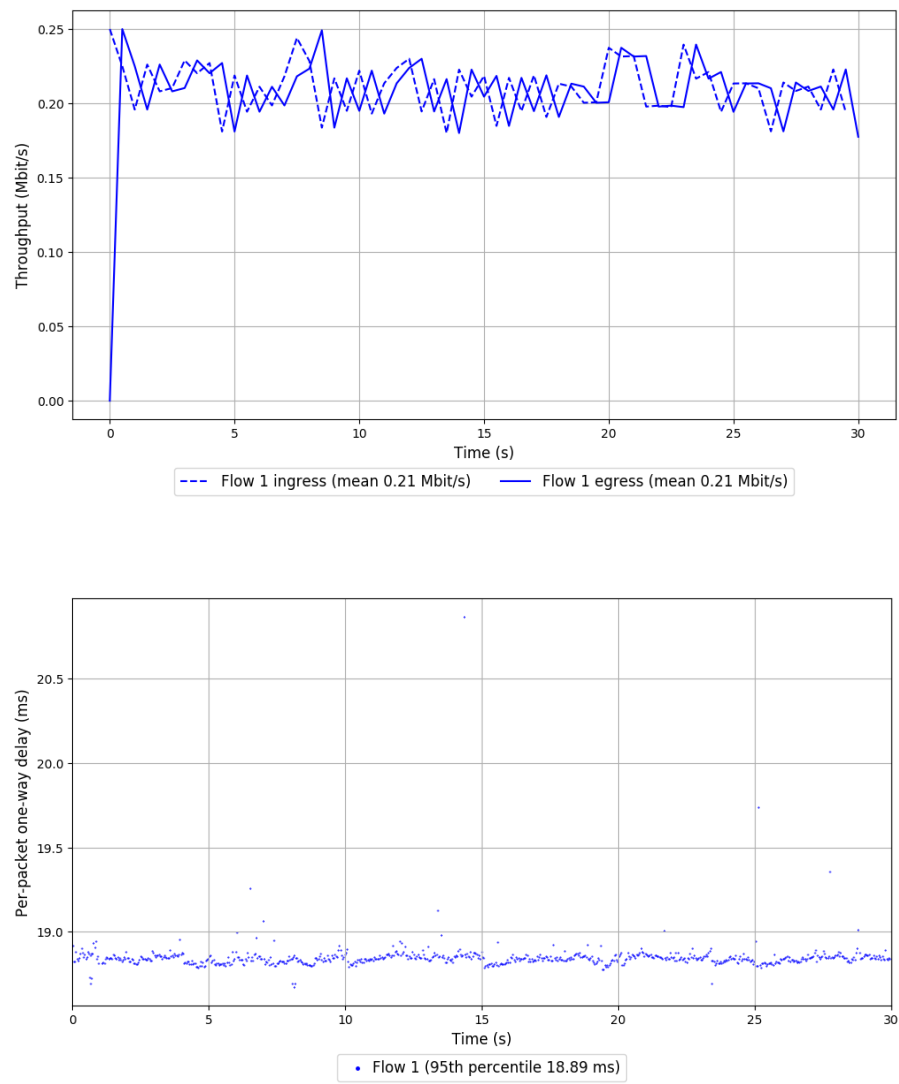


Run 3: Statistics of SCReAM

Start at: 2019-08-27 06:36:45
End at: 2019-08-27 06:37:16
Local clock offset: -0.128 ms
Remote clock offset: -6.765 ms

Below is generated by plot.py at 2019-08-27 08:15:15
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 18.893 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 18.893 ms
Loss rate: 0.13%

Run 3: Report of SReAM — Data Link

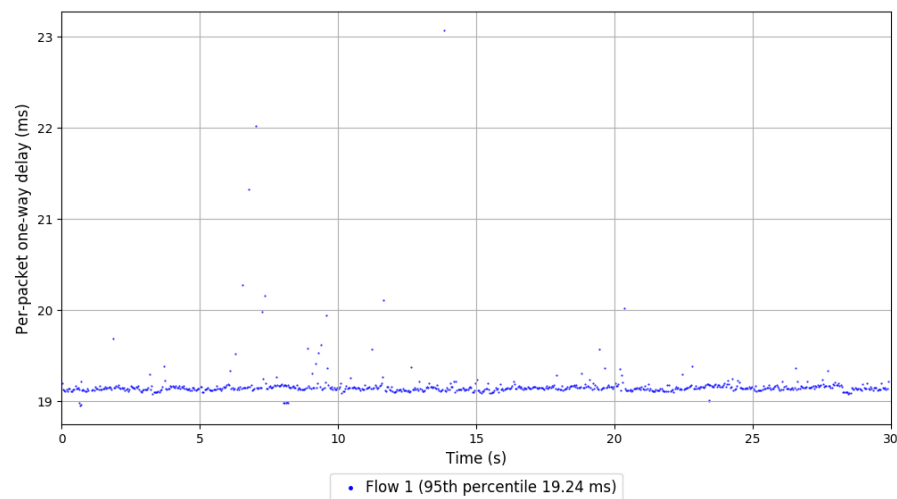
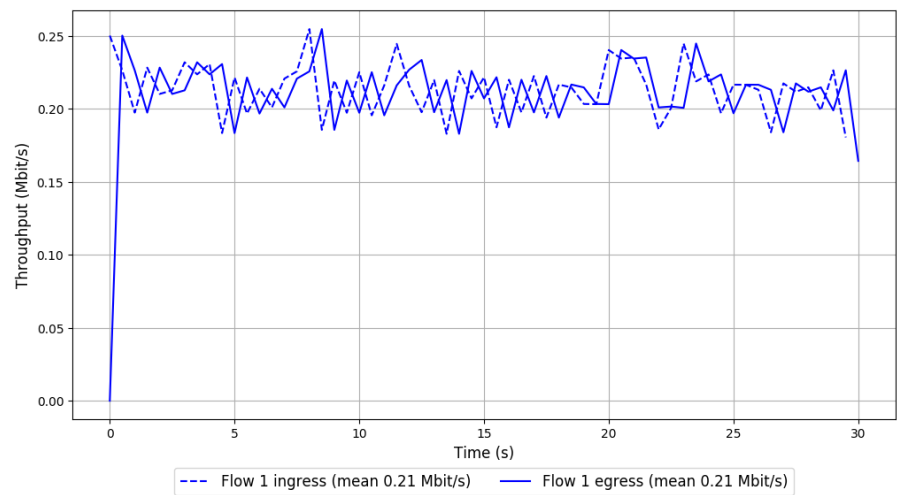


Run 4: Statistics of SCReAM

Start at: 2019-08-27 07:05:58
End at: 2019-08-27 07:06:28
Local clock offset: 0.59 ms
Remote clock offset: -6.286 ms

Below is generated by plot.py at 2019-08-27 08:15:15
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 19.237 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 19.237 ms
Loss rate: 0.13%

Run 4: Report of SReAM — Data Link

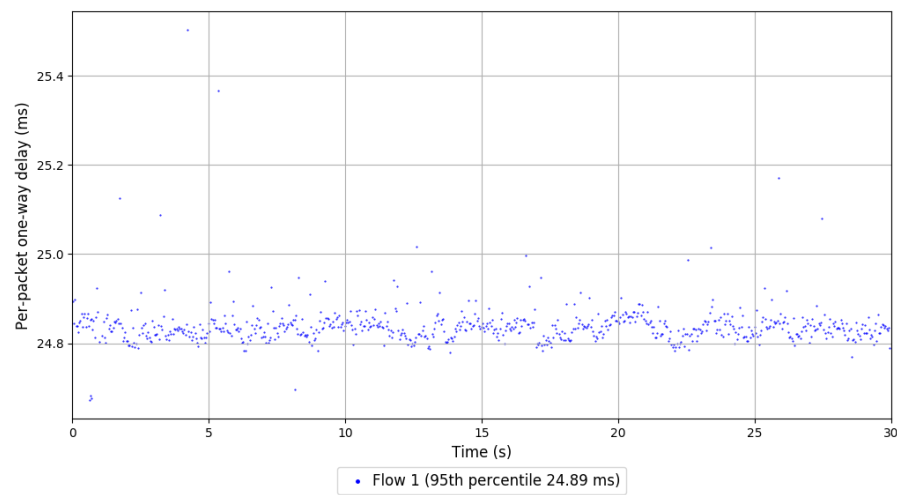
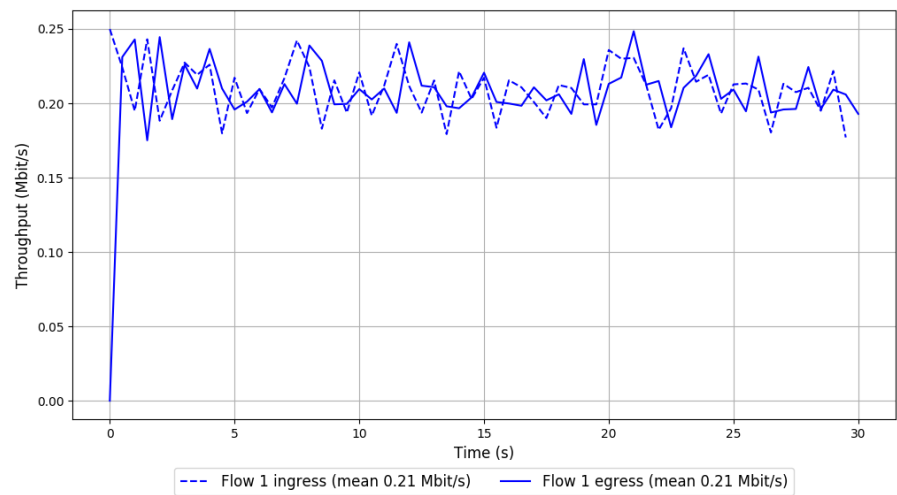


Run 5: Statistics of SCReAM

Start at: 2019-08-27 07:35:48
End at: 2019-08-27 07:36:18
Local clock offset: 1.127 ms
Remote clock offset: -7.094 ms

Below is generated by plot.py at 2019-08-27 08:15:15
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 24.891 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 24.891 ms
Loss rate: 0.00%

Run 5: Report of SReAM — Data Link

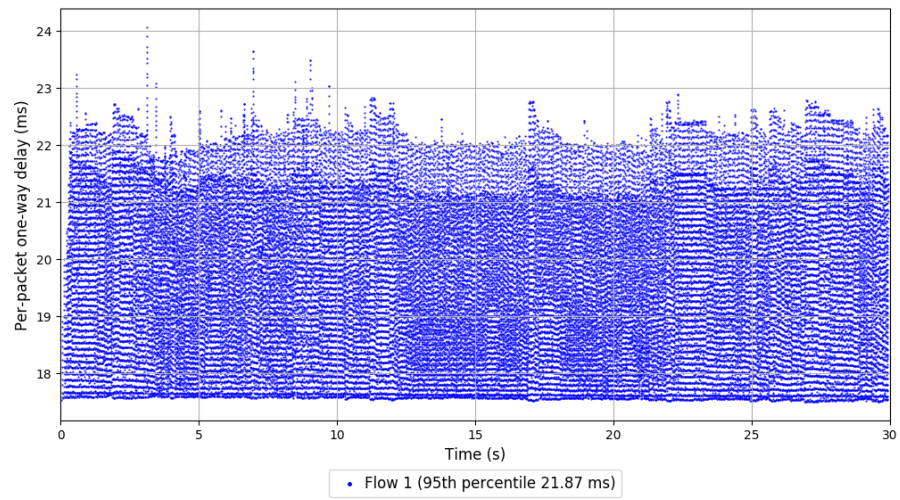
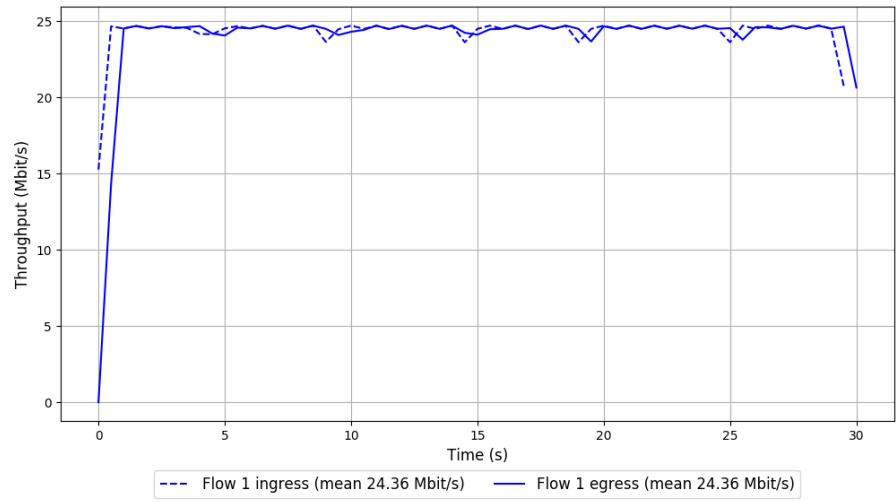


Run 1: Statistics of Sprout

Start at: 2019-08-27 05:46:14
End at: 2019-08-27 05:46:44
Local clock offset: -0.656 ms
Remote clock offset: -1.554 ms

Below is generated by plot.py at 2019-08-27 08:15:15
Datalink statistics
-- Total of 1 flow:
Average throughput: 24.36 Mbit/s
95th percentile per-packet one-way delay: 21.869 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 24.36 Mbit/s
95th percentile per-packet one-way delay: 21.869 ms
Loss rate: 0.07%

Run 1: Report of Sprout — Data Link

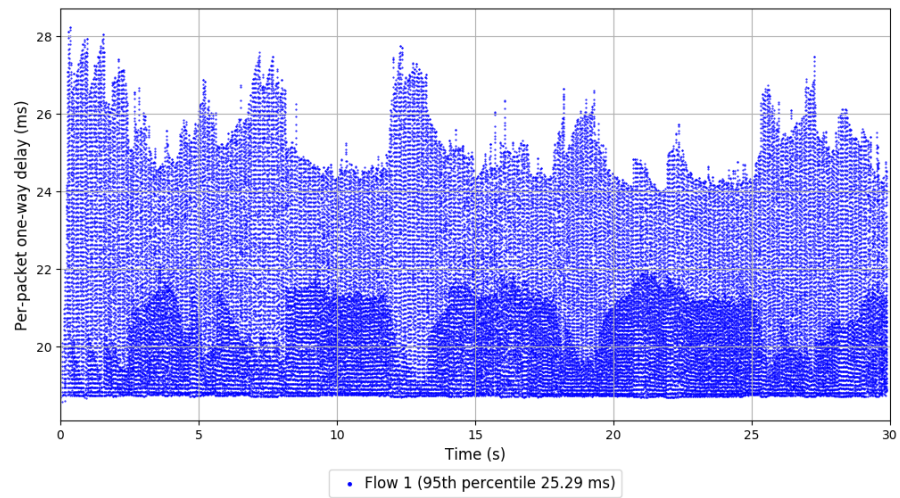
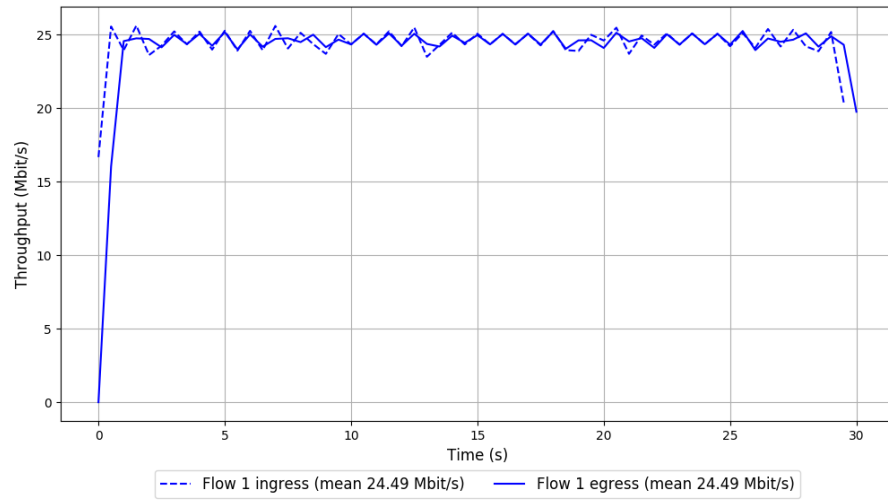


Run 2: Statistics of Sprout

Start at: 2019-08-27 06:15:14
End at: 2019-08-27 06:15:44
Local clock offset: -0.681 ms
Remote clock offset: -4.683 ms

Below is generated by plot.py at 2019-08-27 08:15:15
Datalink statistics
-- Total of 1 flow:
Average throughput: 24.49 Mbit/s
95th percentile per-packet one-way delay: 25.291 ms
Loss rate: 0.14%
-- Flow 1:
Average throughput: 24.49 Mbit/s
95th percentile per-packet one-way delay: 25.291 ms
Loss rate: 0.14%

Run 2: Report of Sprout — Data Link

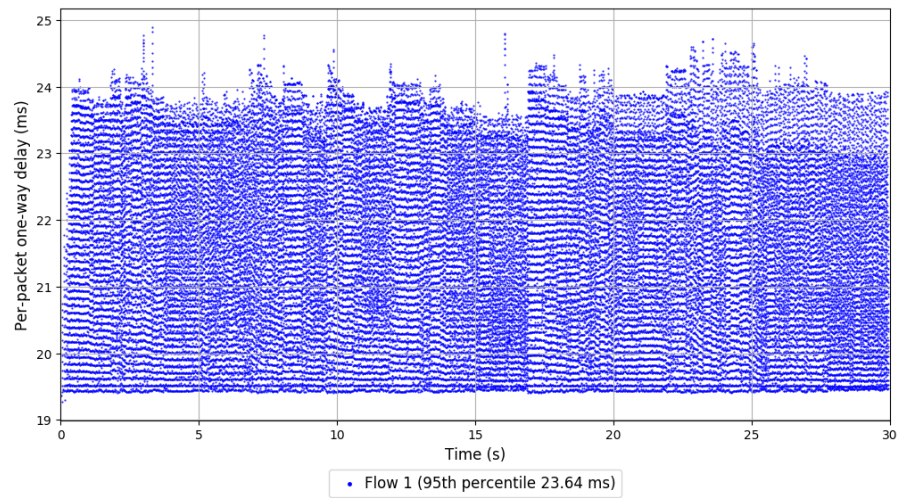
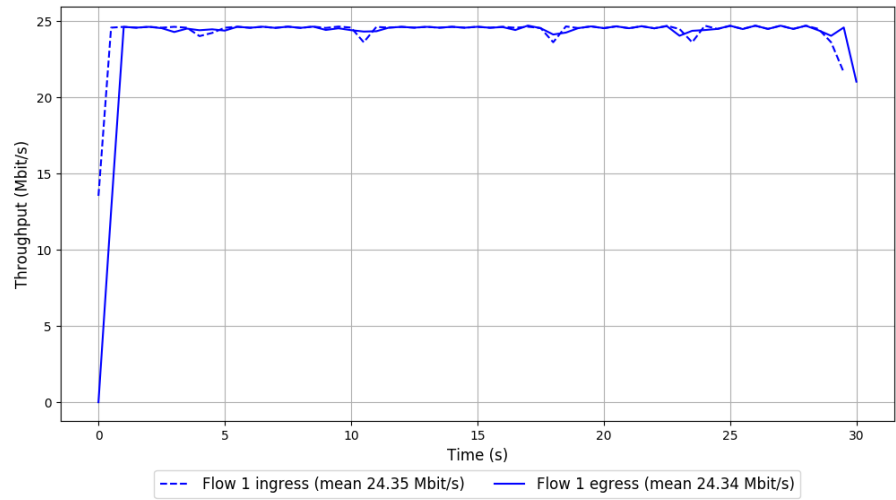


Run 3: Statistics of Sprout

Start at: 2019-08-27 06:45:02
End at: 2019-08-27 06:45:32
Local clock offset: 0.225 ms
Remote clock offset: -5.861 ms

Below is generated by plot.py at 2019-08-27 08:15:15
Datalink statistics
-- Total of 1 flow:
Average throughput: 24.34 Mbit/s
95th percentile per-packet one-way delay: 23.635 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 24.34 Mbit/s
95th percentile per-packet one-way delay: 23.635 ms
Loss rate: 0.09%

Run 3: Report of Sprout — Data Link

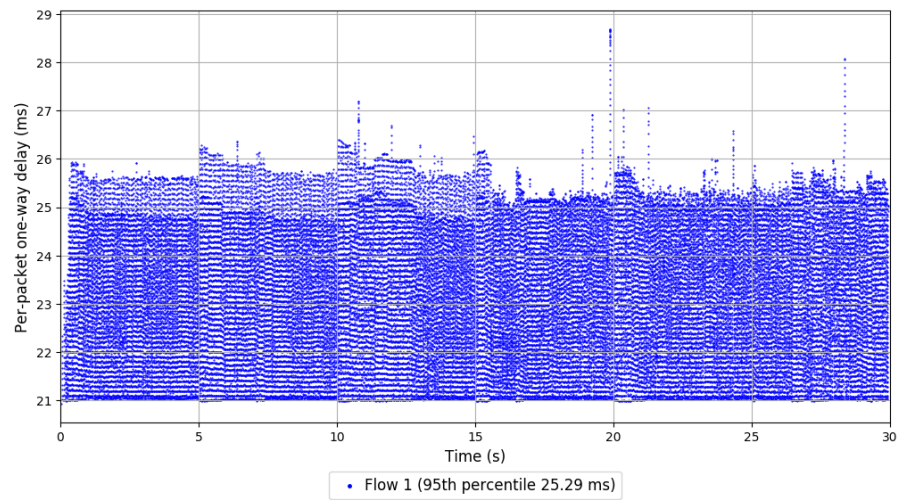
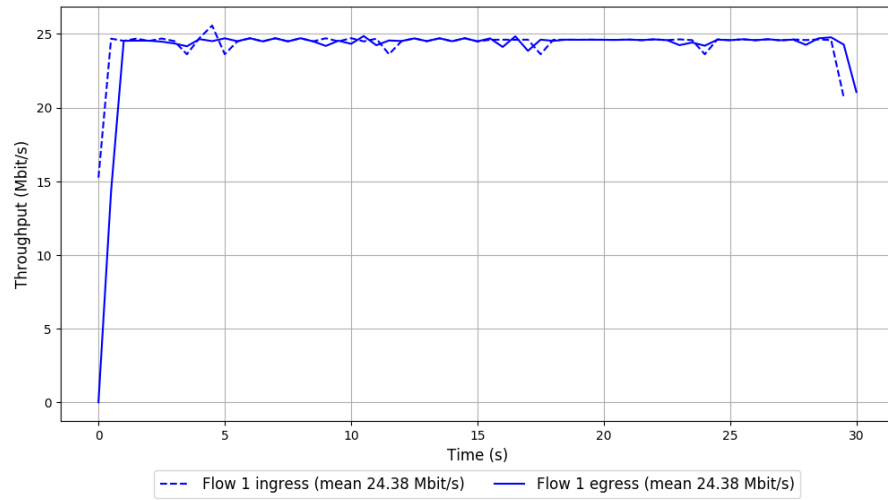


Run 4: Statistics of Sprout

Start at: 2019-08-27 07:14:28
End at: 2019-08-27 07:14:58
Local clock offset: 1.521 ms
Remote clock offset: -7.148 ms

Below is generated by plot.py at 2019-08-27 08:15:15
Datalink statistics
-- Total of 1 flow:
Average throughput: 24.38 Mbit/s
95th percentile per-packet one-way delay: 25.285 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 24.38 Mbit/s
95th percentile per-packet one-way delay: 25.285 ms
Loss rate: 0.07%

Run 4: Report of Sprout — Data Link

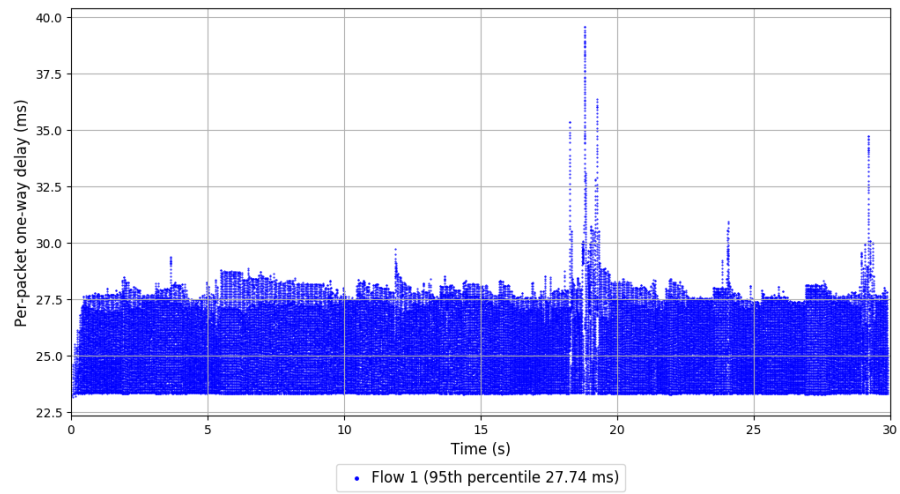
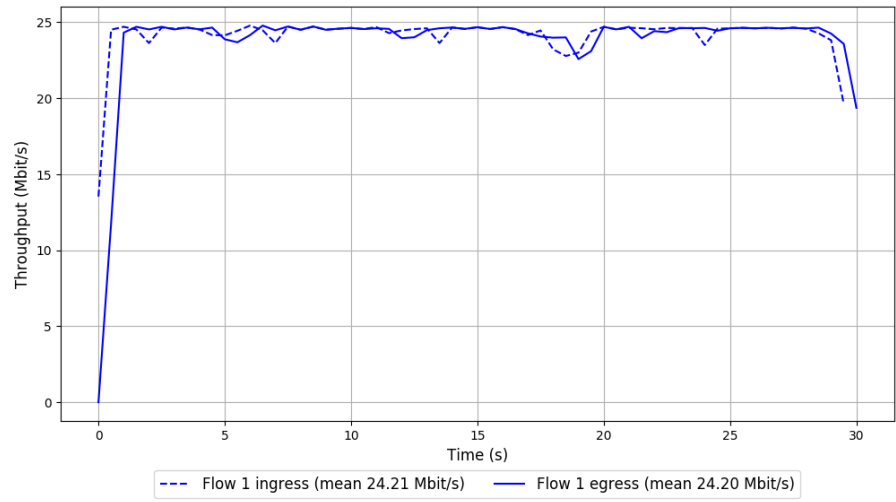


Run 5: Statistics of Sprout

Start at: 2019-08-27 07:44:19
End at: 2019-08-27 07:44:49
Local clock offset: 0.352 ms
Remote clock offset: -6.415 ms

Below is generated by plot.py at 2019-08-27 08:15:15
Datalink statistics
-- Total of 1 flow:
Average throughput: 24.20 Mbit/s
95th percentile per-packet one-way delay: 27.743 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 24.20 Mbit/s
95th percentile per-packet one-way delay: 27.743 ms
Loss rate: 0.10%

Run 5: Report of Sprout — Data Link

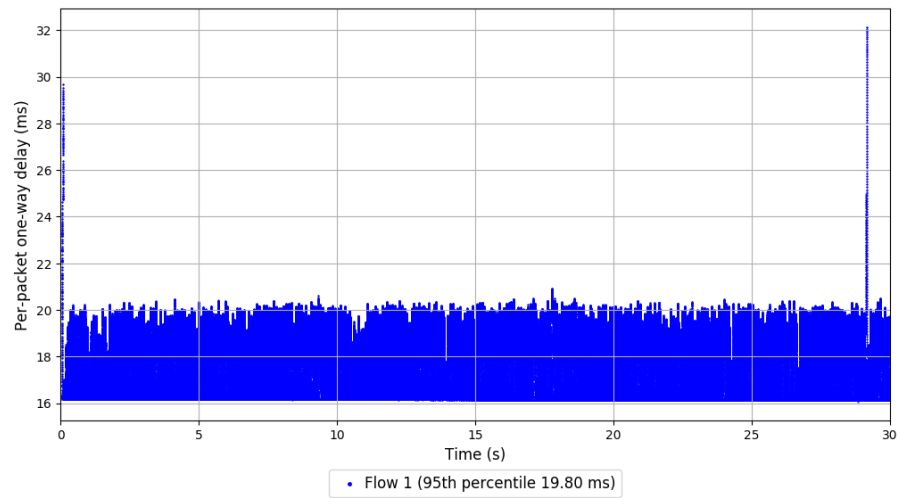
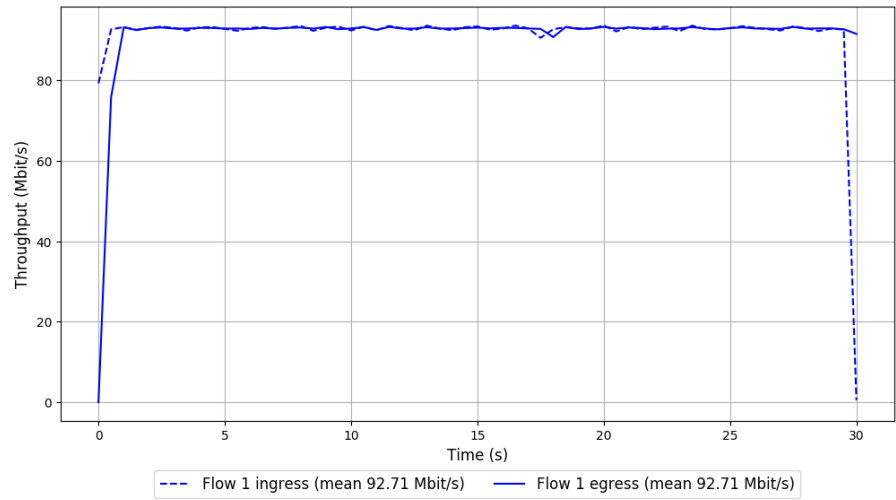


Run 1: Statistics of TaoVA-100x

Start at: 2019-08-27 05:47:20
End at: 2019-08-27 05:47:50
Local clock offset: -1.318 ms
Remote clock offset: -0.986 ms

Below is generated by plot.py at 2019-08-27 08:16:36
Datalink statistics
-- Total of 1 flow:
Average throughput: 92.71 Mbit/s
95th percentile per-packet one-way delay: 19.805 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 92.71 Mbit/s
95th percentile per-packet one-way delay: 19.805 ms
Loss rate: 0.08%

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

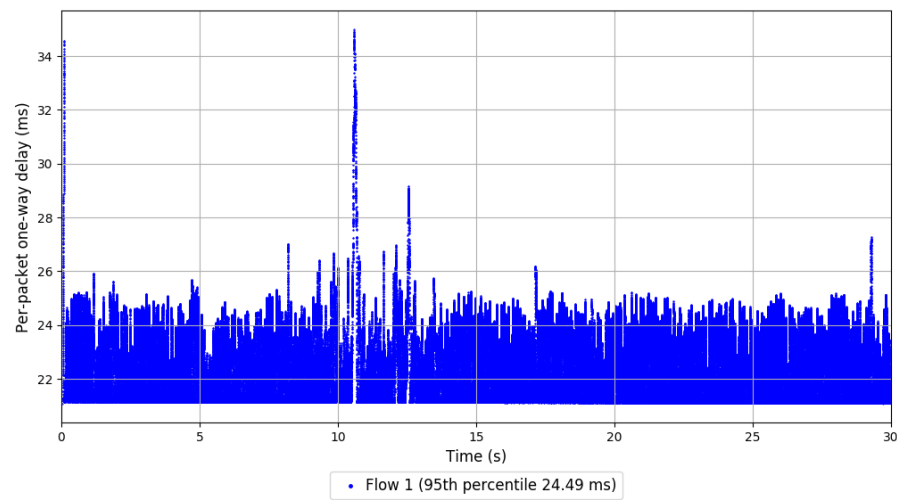
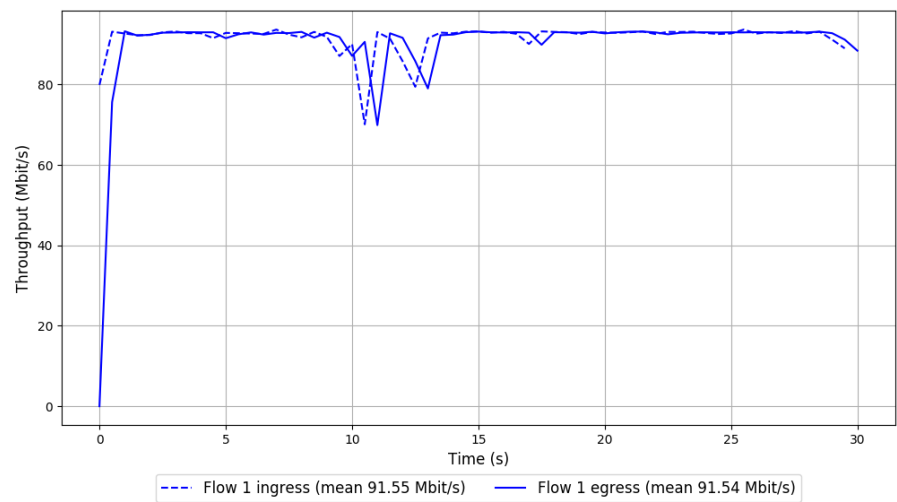


Run 2: Statistics of TaoVA-100x

Start at: 2019-08-27 06:16:20
End at: 2019-08-27 06:16:50
Local clock offset: -3.743 ms
Remote clock offset: -11.549 ms

Below is generated by plot.py at 2019-08-27 08:16:37
Datalink statistics
-- Total of 1 flow:
Average throughput: 91.54 Mbit/s
95th percentile per-packet one-way delay: 24.490 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 91.54 Mbit/s
95th percentile per-packet one-way delay: 24.490 ms
Loss rate: 0.09%

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



Run 3: Statistics of TaoVA-100x

Start at: 2019-08-27 06:46:09

End at: 2019-08-27 06:46:39

Local clock offset: 0.415 ms

Remote clock offset: -6.094 ms

Below is generated by plot.py at 2019-08-27 08:16:39

Datalink statistics

-- Total of 1 flow:

Average throughput: 91.21 Mbit/s

95th percentile per-packet one-way delay: 28.100 ms

Loss rate: 0.10%

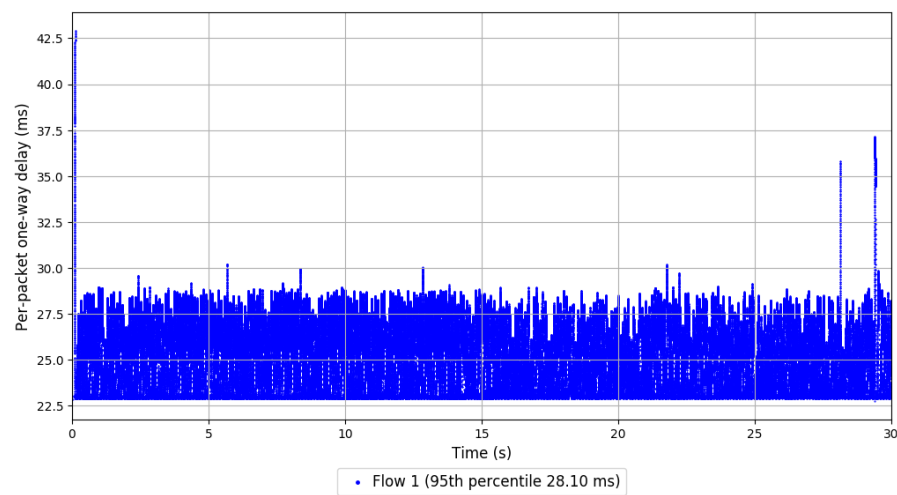
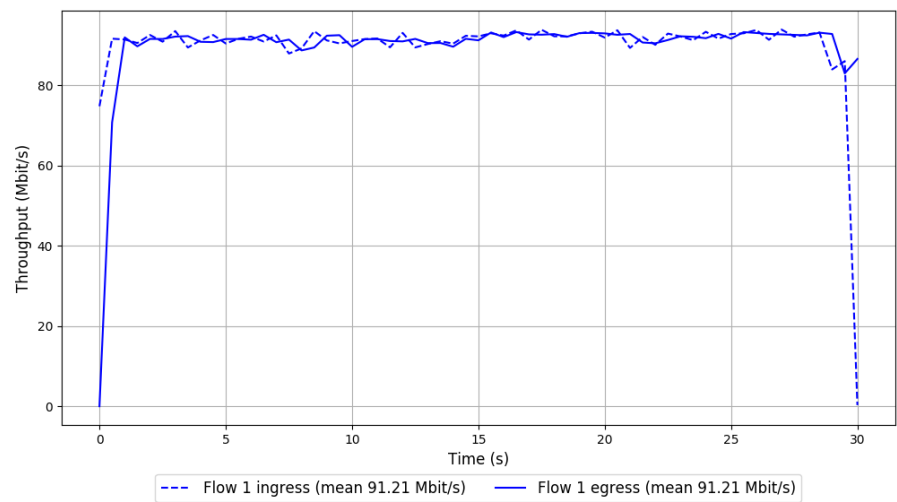
-- Flow 1:

Average throughput: 91.21 Mbit/s

95th percentile per-packet one-way delay: 28.100 ms

Loss rate: 0.10%

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



Run 4: Statistics of TaoVA-100x

Start at: 2019-08-27 07:15:34

End at: 2019-08-27 07:16:04

Local clock offset: 0.742 ms

Remote clock offset: -4.864 ms

Below is generated by plot.py at 2019-08-27 08:16:47

Datalink statistics

-- Total of 1 flow:

Average throughput: 92.12 Mbit/s

95th percentile per-packet one-way delay: 22.058 ms

Loss rate: 0.08%

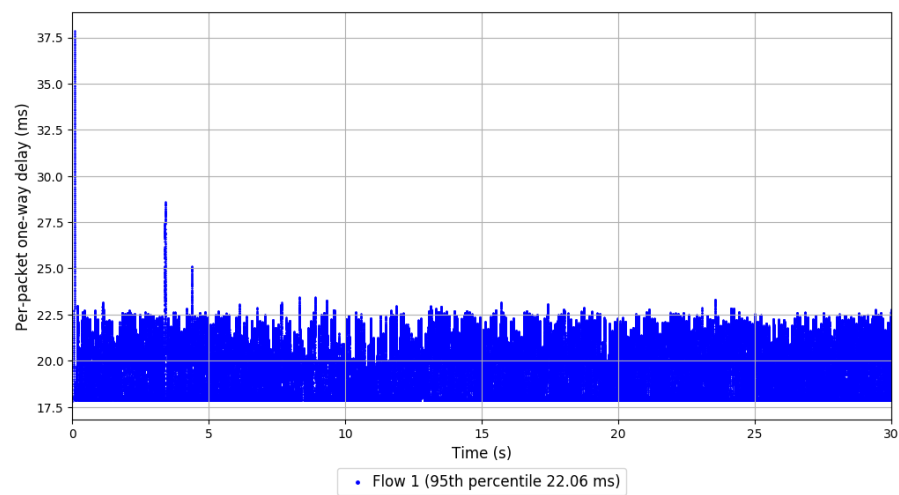
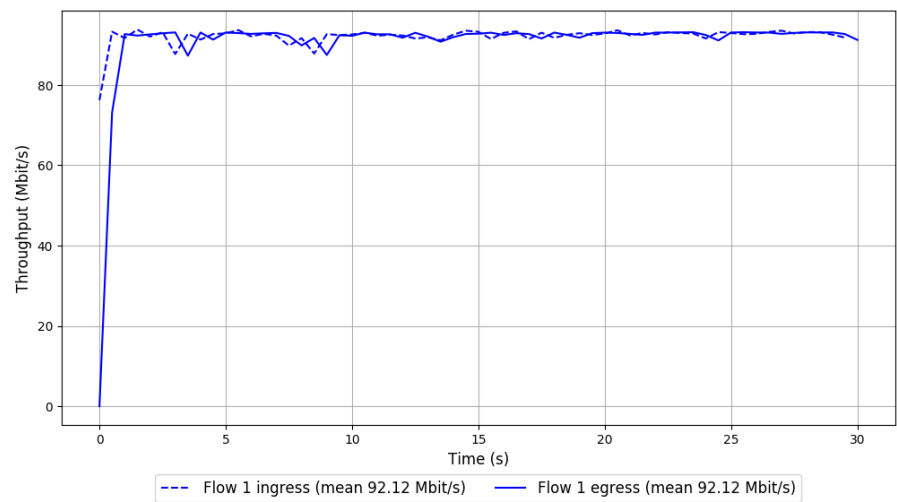
-- Flow 1:

Average throughput: 92.12 Mbit/s

95th percentile per-packet one-way delay: 22.058 ms

Loss rate: 0.08%

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



Run 5: Statistics of TaoVA-100x

Start at: 2019-08-27 07:45:27

End at: 2019-08-27 07:45:57

Local clock offset: 0.751 ms

Remote clock offset: -4.429 ms

Below is generated by plot.py at 2019-08-27 08:16:50

Datalink statistics

-- Total of 1 flow:

Average throughput: 91.57 Mbit/s

95th percentile per-packet one-way delay: 21.722 ms

Loss rate: 0.08%

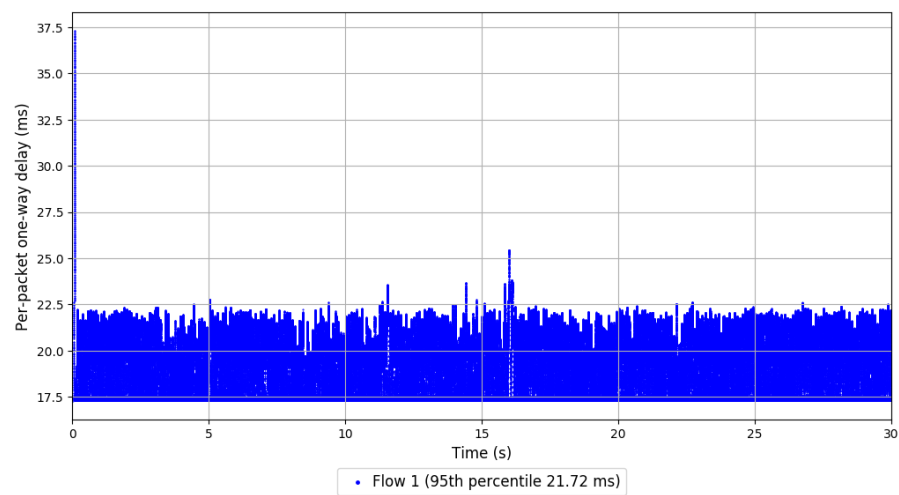
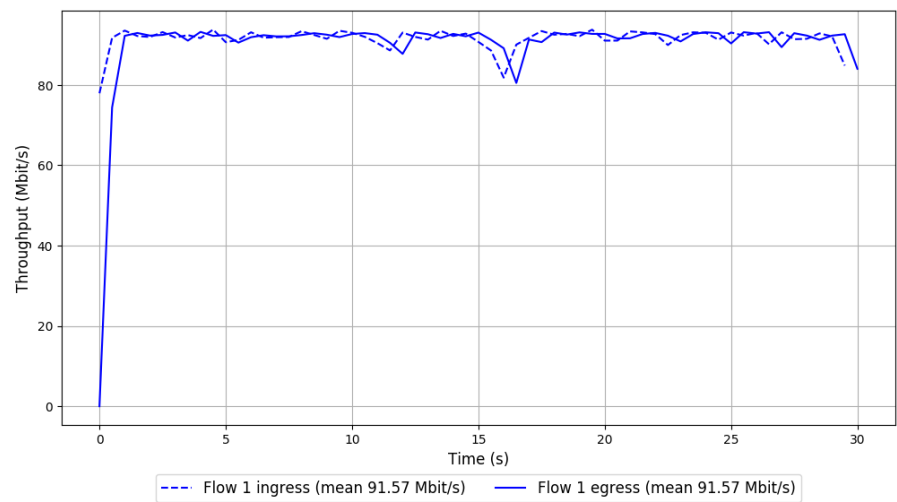
-- Flow 1:

Average throughput: 91.57 Mbit/s

95th percentile per-packet one-way delay: 21.722 ms

Loss rate: 0.08%

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



Run 1: Statistics of TCP Vegas

Start at: 2019-08-27 05:55:52

End at: 2019-08-27 05:56:22

Local clock offset: -0.852 ms

Remote clock offset: -3.33 ms

Below is generated by plot.py at 2019-08-27 08:16:50

Datalink statistics

-- Total of 1 flow:

Average throughput: 62.60 Mbit/s

95th percentile per-packet one-way delay: 23.017 ms

Loss rate: 0.20%

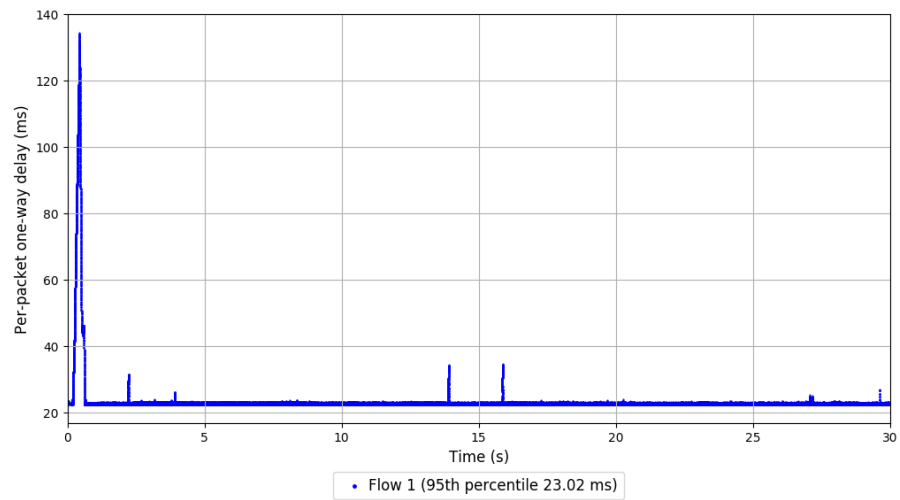
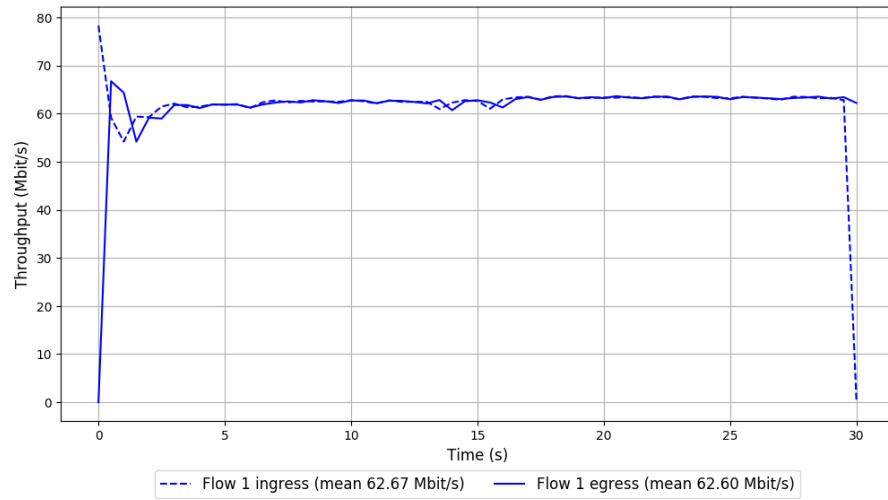
-- Flow 1:

Average throughput: 62.60 Mbit/s

95th percentile per-packet one-way delay: 23.017 ms

Loss rate: 0.20%

Run 1: Report of TCP Vegas — Data Link

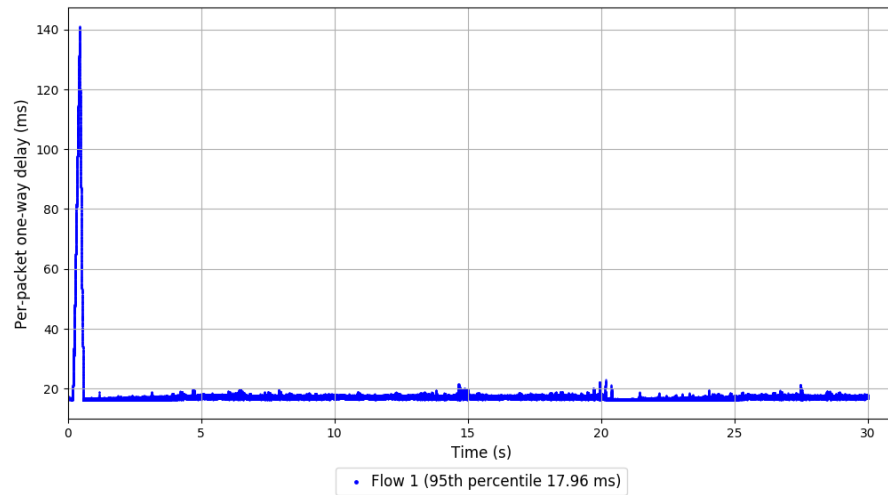
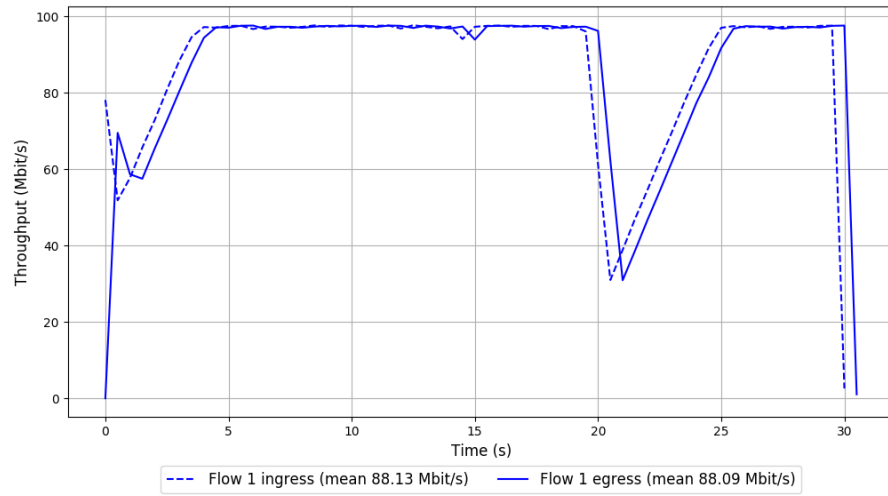


Run 2: Statistics of TCP Vegas

Start at: 2019-08-27 06:25:30
End at: 2019-08-27 06:26:00
Local clock offset: 0.257 ms
Remote clock offset: -3.284 ms

Below is generated by plot.py at 2019-08-27 08:16:50
Datalink statistics
-- Total of 1 flow:
Average throughput: 88.09 Mbit/s
95th percentile per-packet one-way delay: 17.960 ms
Loss rate: 0.12%
-- Flow 1:
Average throughput: 88.09 Mbit/s
95th percentile per-packet one-way delay: 17.960 ms
Loss rate: 0.12%

Run 2: Report of TCP Vegas — Data Link

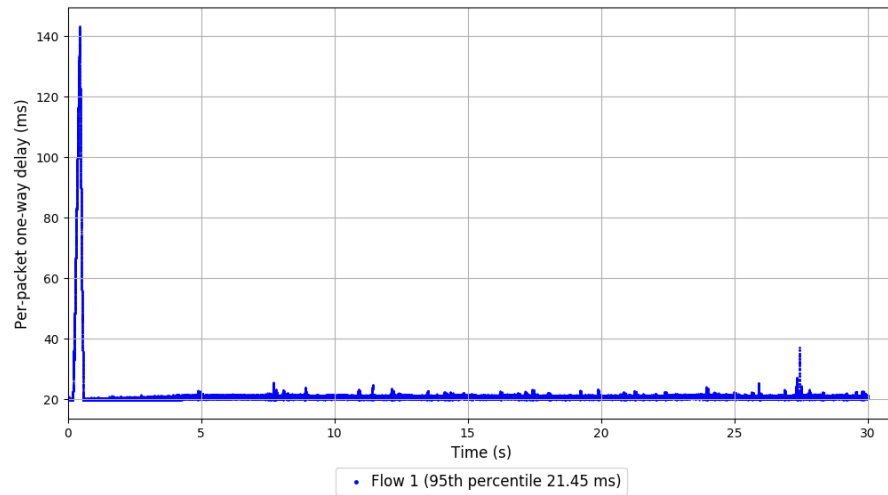
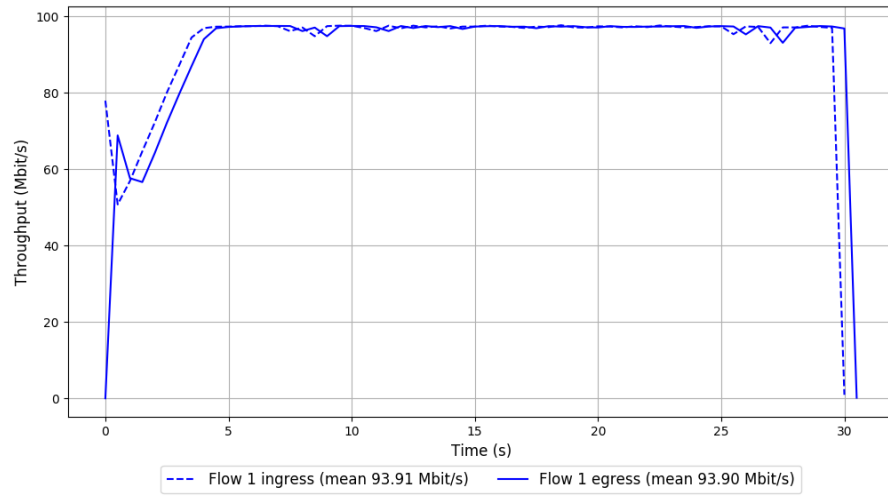


Run 3: Statistics of TCP Vegas

Start at: 2019-08-27 06:54:57
End at: 2019-08-27 06:55:27
Local clock offset: 1.752 ms
Remote clock offset: -6.027 ms

Below is generated by plot.py at 2019-08-27 08:16:50
Datalink statistics
-- Total of 1 flow:
Average throughput: 93.90 Mbit/s
95th percentile per-packet one-way delay: 21.446 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 93.90 Mbit/s
95th percentile per-packet one-way delay: 21.446 ms
Loss rate: 0.09%

Run 3: Report of TCP Vegas — Data Link

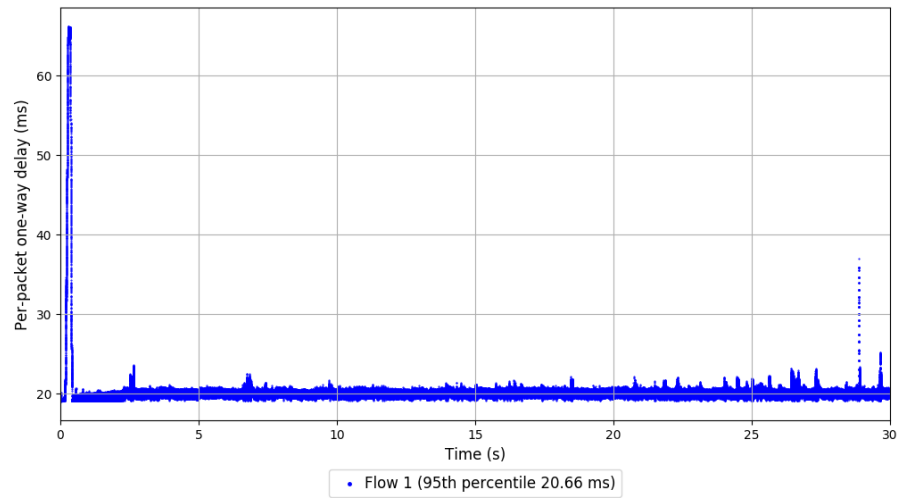
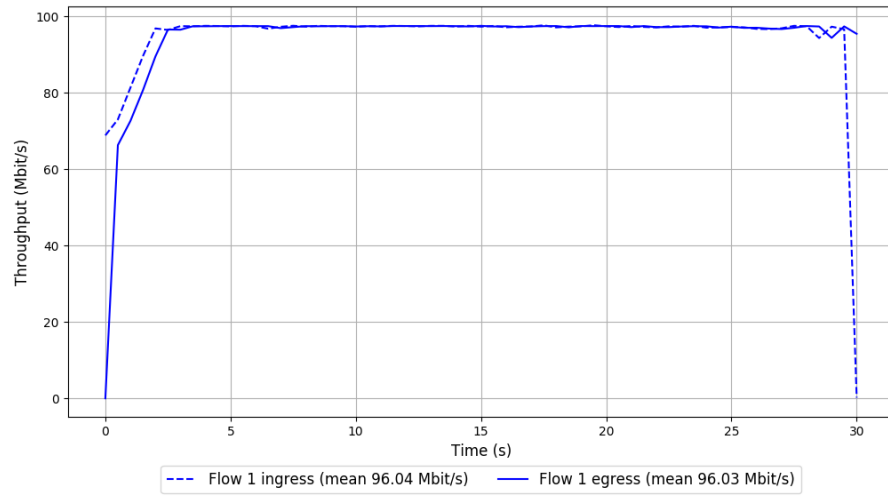


Run 4: Statistics of TCP Vegas

Start at: 2019-08-27 07:24:39
End at: 2019-08-27 07:25:09
Local clock offset: 0.778 ms
Remote clock offset: -4.925 ms

Below is generated by plot.py at 2019-08-27 08:16:50
Datalink statistics
-- Total of 1 flow:
Average throughput: 96.03 Mbit/s
95th percentile per-packet one-way delay: 20.663 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 96.03 Mbit/s
95th percentile per-packet one-way delay: 20.663 ms
Loss rate: 0.09%

Run 4: Report of TCP Vegas — Data Link

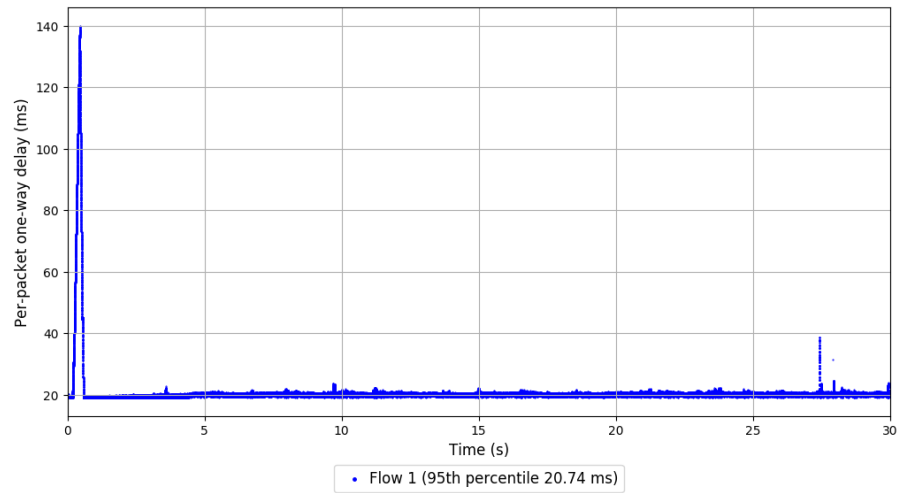
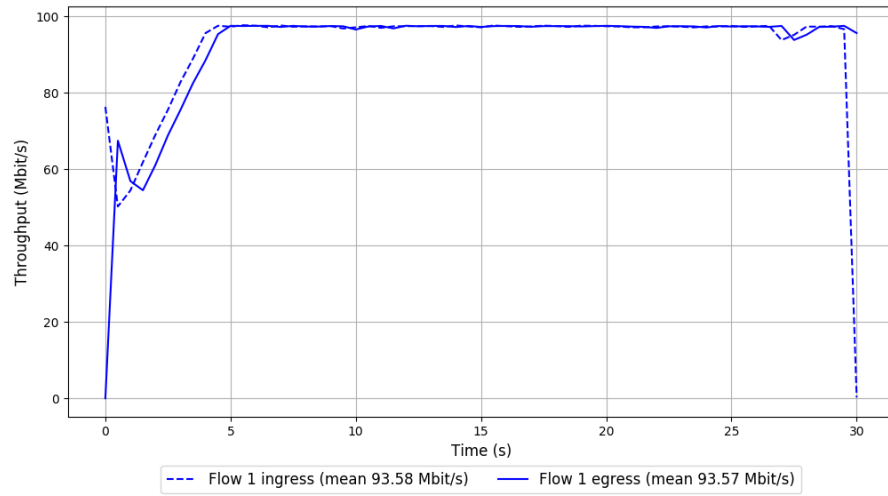


Run 5: Statistics of TCP Vegas

Start at: 2019-08-27 07:53:58
End at: 2019-08-27 07:54:28
Local clock offset: 0.565 ms
Remote clock offset: -5.013 ms

Below is generated by plot.py at 2019-08-27 08:17:18
Datalink statistics
-- Total of 1 flow:
Average throughput: 93.57 Mbit/s
95th percentile per-packet one-way delay: 20.743 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 93.57 Mbit/s
95th percentile per-packet one-way delay: 20.743 ms
Loss rate: 0.09%

Run 5: Report of TCP Vegas — Data Link

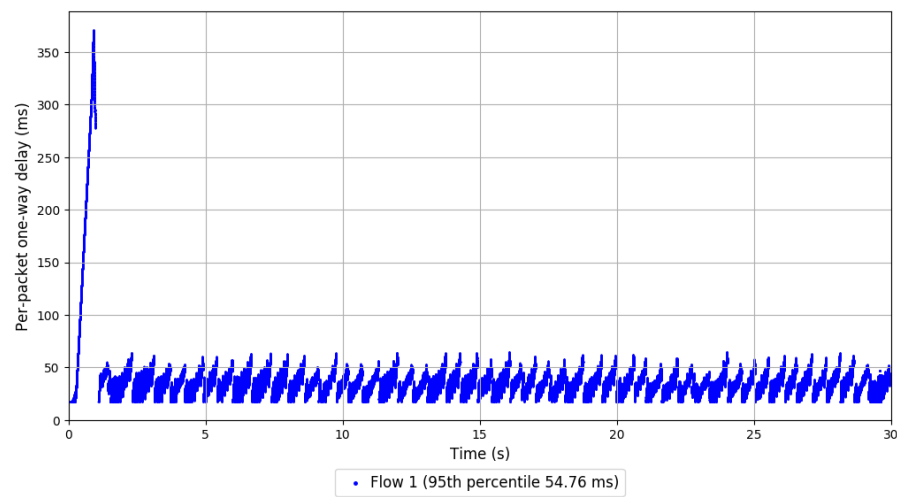
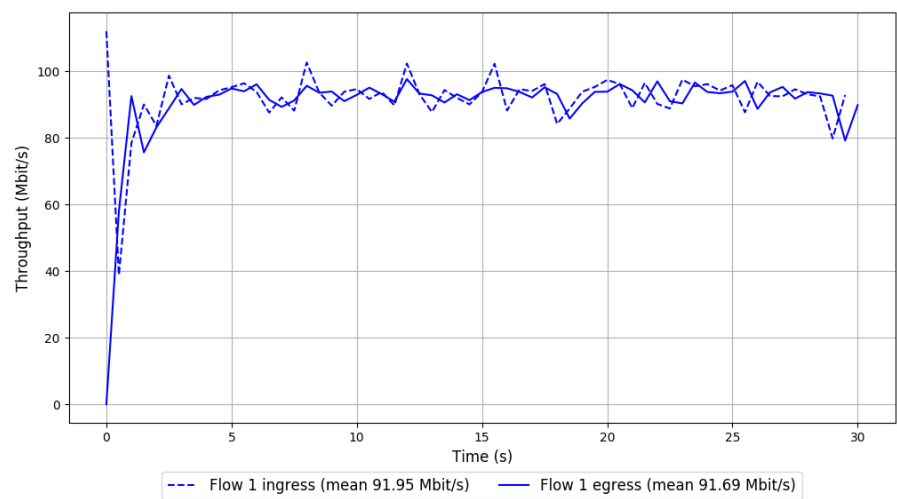


Run 1: Statistics of Verus

Start at: 2019-08-27 05:38:58
End at: 2019-08-27 05:39:28
Local clock offset: -1.466 ms
Remote clock offset: -2.027 ms

Below is generated by plot.py at 2019-08-27 08:17:28
Datalink statistics
-- Total of 1 flow:
Average throughput: 91.69 Mbit/s
95th percentile per-packet one-way delay: 54.759 ms
Loss rate: 0.35%
-- Flow 1:
Average throughput: 91.69 Mbit/s
95th percentile per-packet one-way delay: 54.759 ms
Loss rate: 0.35%

Run 1: Report of Verus — Data Link

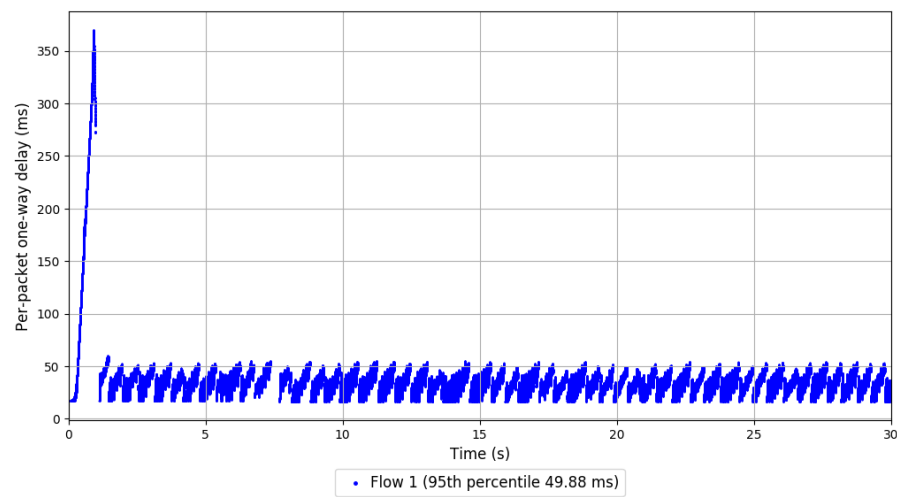
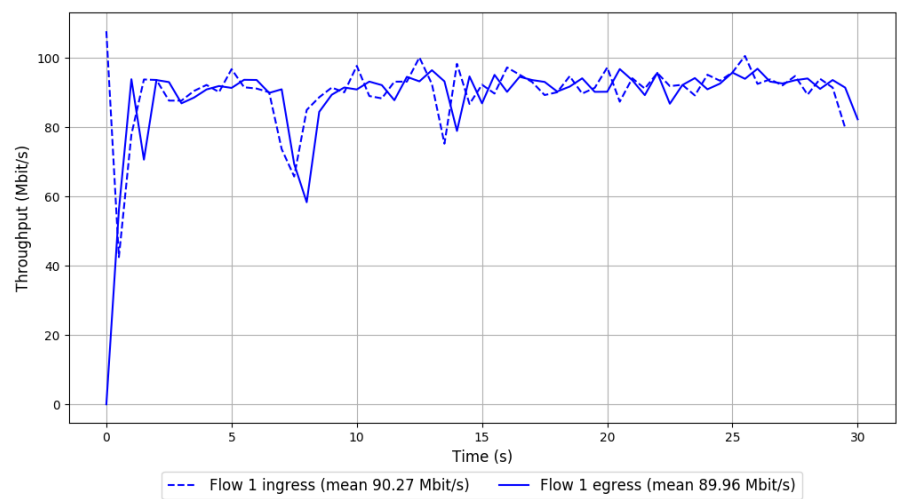


Run 2: Statistics of Verus

Start at: 2019-08-27 06:07:48
End at: 2019-08-27 06:08:18
Local clock offset: -1.02 ms
Remote clock offset: -3.106 ms

Below is generated by plot.py at 2019-08-27 08:17:36
Datalink statistics
-- Total of 1 flow:
Average throughput: 89.96 Mbit/s
95th percentile per-packet one-way delay: 49.884 ms
Loss rate: 0.42%
-- Flow 1:
Average throughput: 89.96 Mbit/s
95th percentile per-packet one-way delay: 49.884 ms
Loss rate: 0.42%

Run 2: Report of Verus — Data Link

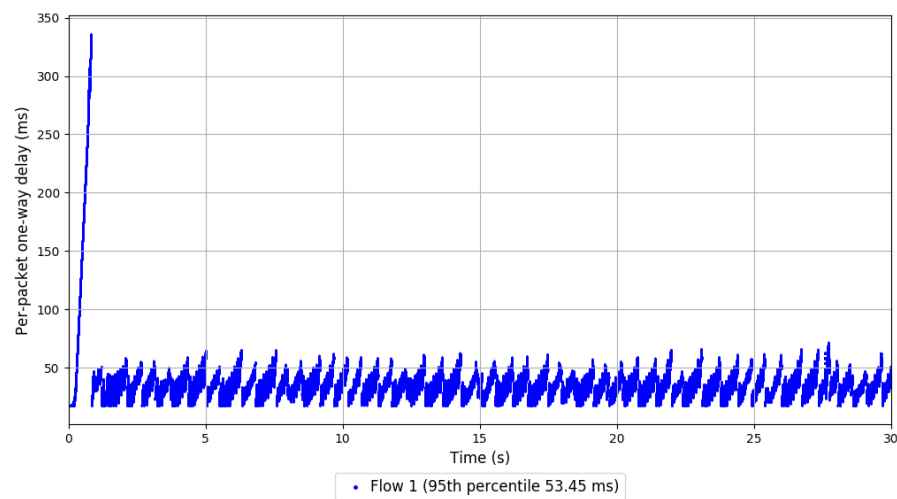
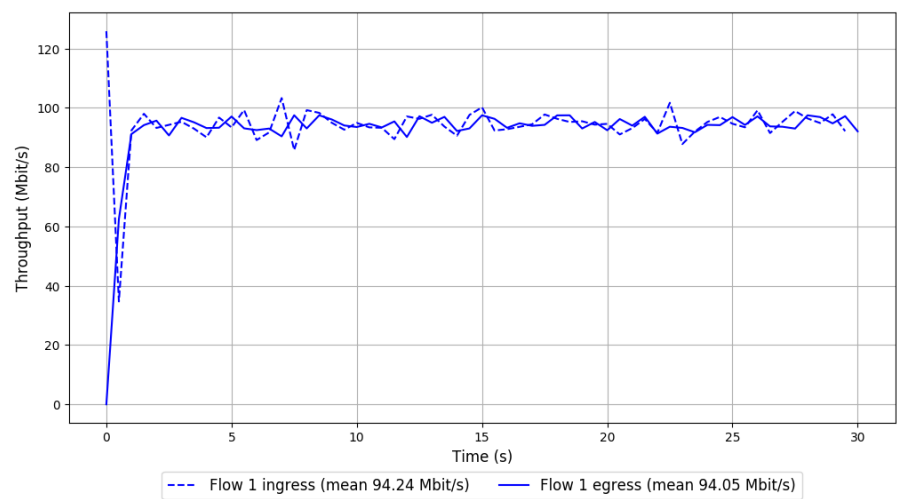


Run 3: Statistics of Verus

Start at: 2019-08-27 06:37:51
End at: 2019-08-27 06:38:21
Local clock offset: -0.222 ms
Remote clock offset: -5.369 ms

Below is generated by plot.py at 2019-08-27 08:17:43
Datalink statistics
-- Total of 1 flow:
Average throughput: 94.05 Mbit/s
95th percentile per-packet one-way delay: 53.452 ms
Loss rate: 0.28%
-- Flow 1:
Average throughput: 94.05 Mbit/s
95th percentile per-packet one-way delay: 53.452 ms
Loss rate: 0.28%

Run 3: Report of Verus — Data Link

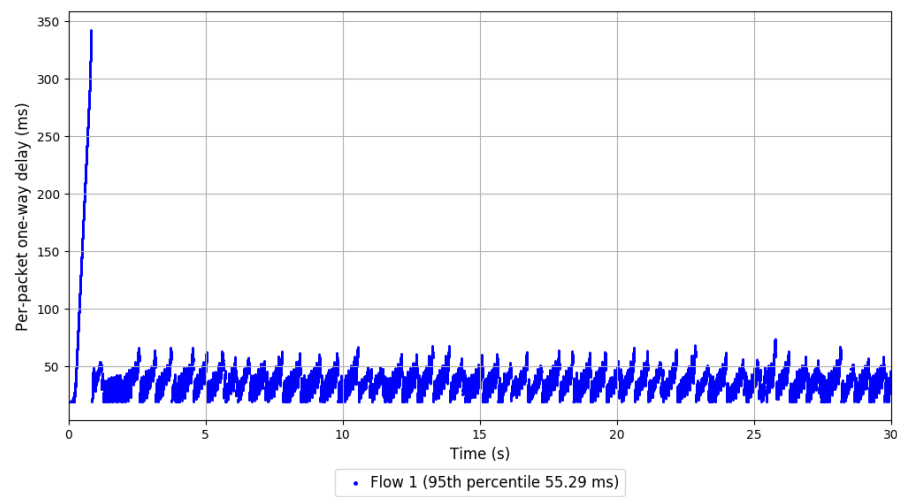
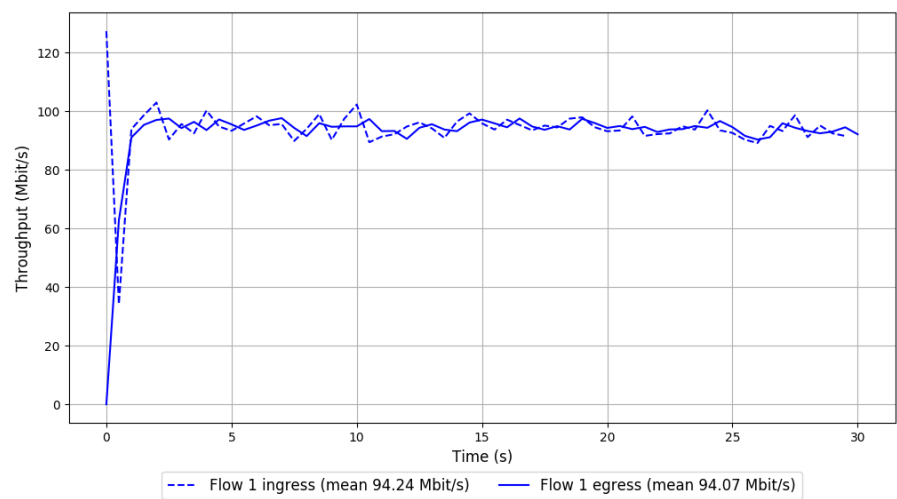


Run 4: Statistics of Verus

Start at: 2019-08-27 07:07:04
End at: 2019-08-27 07:07:34
Local clock offset: 0.693 ms
Remote clock offset: -5.885 ms

Below is generated by plot.py at 2019-08-27 08:17:45
Datalink statistics
-- Total of 1 flow:
Average throughput: 94.07 Mbit/s
95th percentile per-packet one-way delay: 55.290 ms
Loss rate: 0.24%
-- Flow 1:
Average throughput: 94.07 Mbit/s
95th percentile per-packet one-way delay: 55.290 ms
Loss rate: 0.24%

Run 4: Report of Verus — Data Link

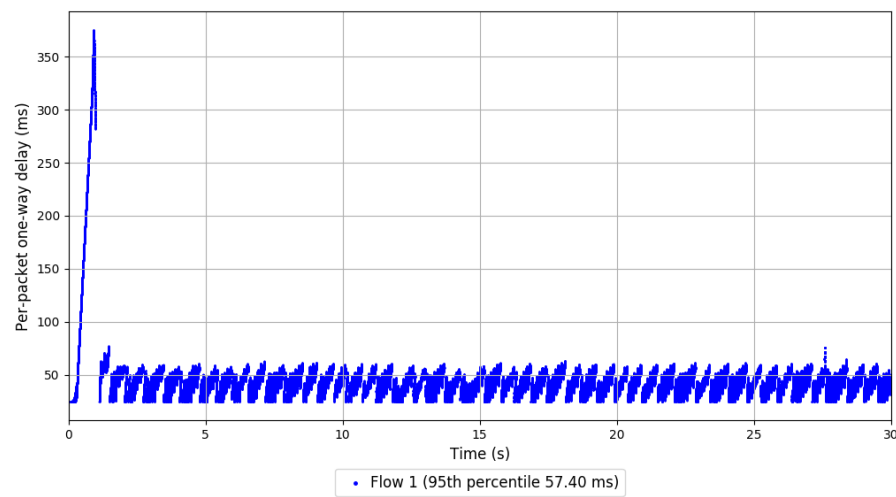
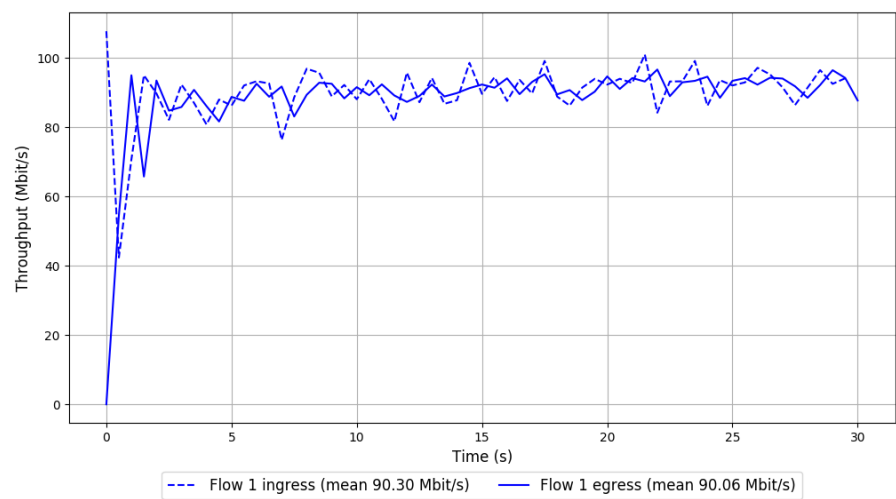


Run 5: Statistics of Verus

Start at: 2019-08-27 07:36:53
End at: 2019-08-27 07:37:23
Local clock offset: 0.888 ms
Remote clock offset: -7.068 ms

Below is generated by plot.py at 2019-08-27 08:17:54
Datalink statistics
-- Total of 1 flow:
Average throughput: 90.06 Mbit/s
95th percentile per-packet one-way delay: 57.395 ms
Loss rate: 0.35%
-- Flow 1:
Average throughput: 90.06 Mbit/s
95th percentile per-packet one-way delay: 57.395 ms
Loss rate: 0.35%

Run 5: Report of Verus — Data Link



Run 1: Statistics of PCC-Vivace

Start at: 2019-08-27 06:00:40

End at: 2019-08-27 06:01:10

Local clock offset: -0.66 ms

Remote clock offset: -2.288 ms

Below is generated by plot.py at 2019-08-27 08:17:56

Datalink statistics

-- Total of 1 flow:

Average throughput: 88.05 Mbit/s

95th percentile per-packet one-way delay: 21.629 ms

Loss rate: 0.09%

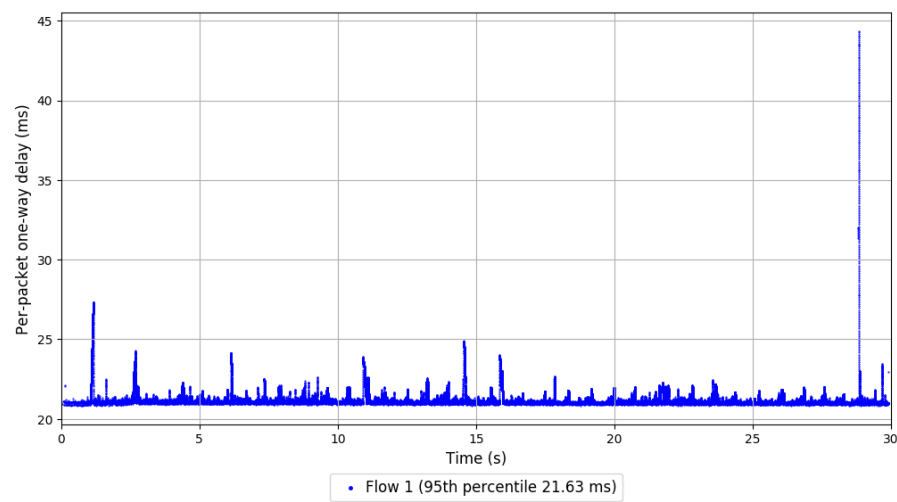
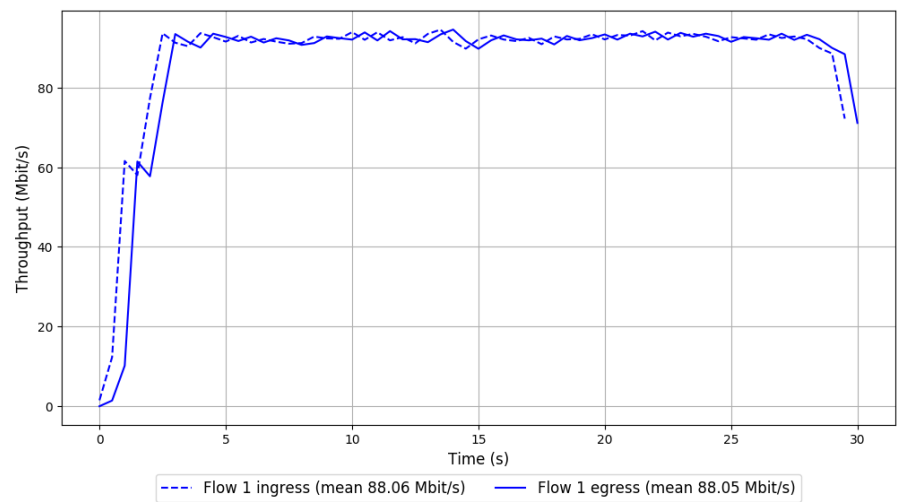
-- Flow 1:

Average throughput: 88.05 Mbit/s

95th percentile per-packet one-way delay: 21.629 ms

Loss rate: 0.09%

Run 1: Report of PCC-Vivace — Data Link

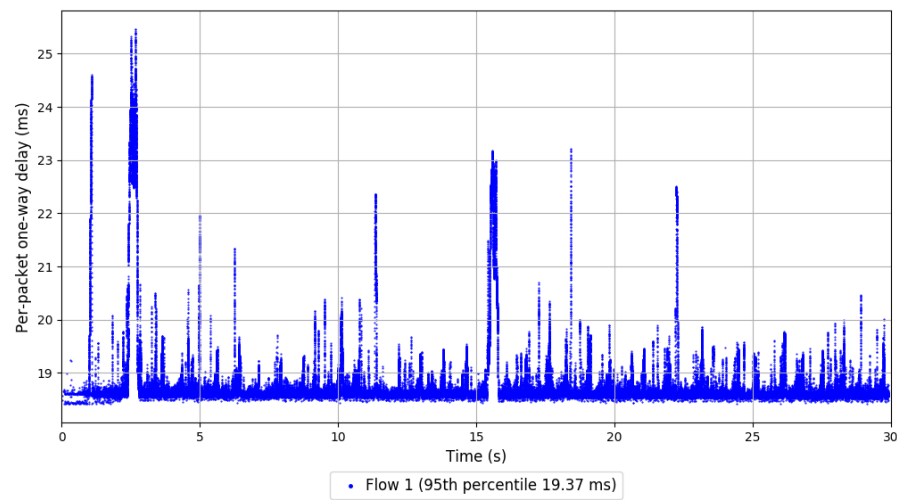
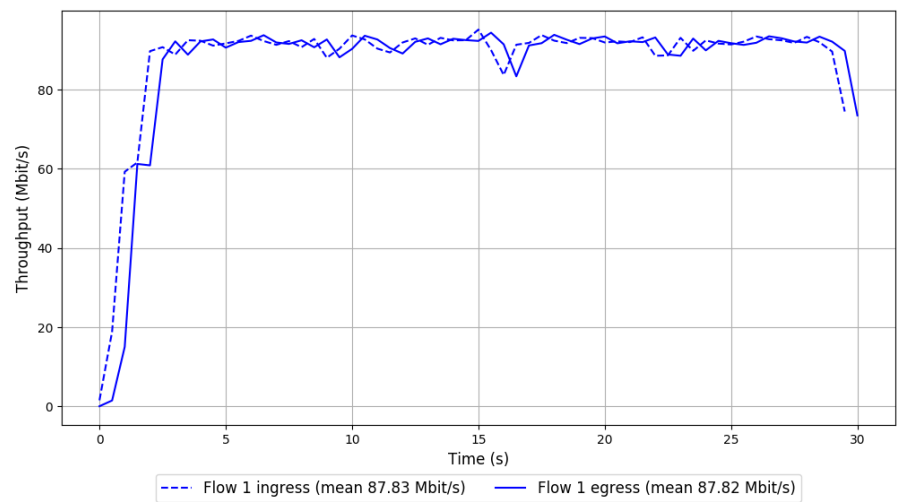


Run 2: Statistics of PCC-Vivace

Start at: 2019-08-27 06:30:27
End at: 2019-08-27 06:30:57
Local clock offset: -0.436 ms
Remote clock offset: -6.465 ms

Below is generated by plot.py at 2019-08-27 08:17:57
Datalink statistics
-- Total of 1 flow:
Average throughput: 87.82 Mbit/s
95th percentile per-packet one-way delay: 19.374 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 87.82 Mbit/s
95th percentile per-packet one-way delay: 19.374 ms
Loss rate: 0.08%

Run 2: Report of PCC-Vivace — Data Link



Run 3: Statistics of PCC-Vivace

Start at: 2019-08-27 06:59:48

End at: 2019-08-27 07:00:18

Local clock offset: 1.861 ms

Remote clock offset: -5.056 ms

Below is generated by plot.py at 2019-08-27 08:18:07

Datalink statistics

-- Total of 1 flow:

Average throughput: 85.71 Mbit/s

95th percentile per-packet one-way delay: 19.597 ms

Loss rate: 0.09%

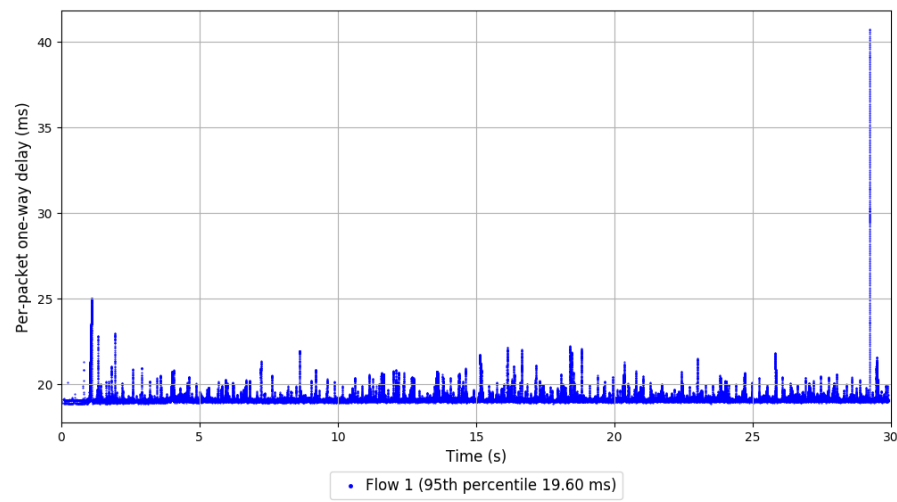
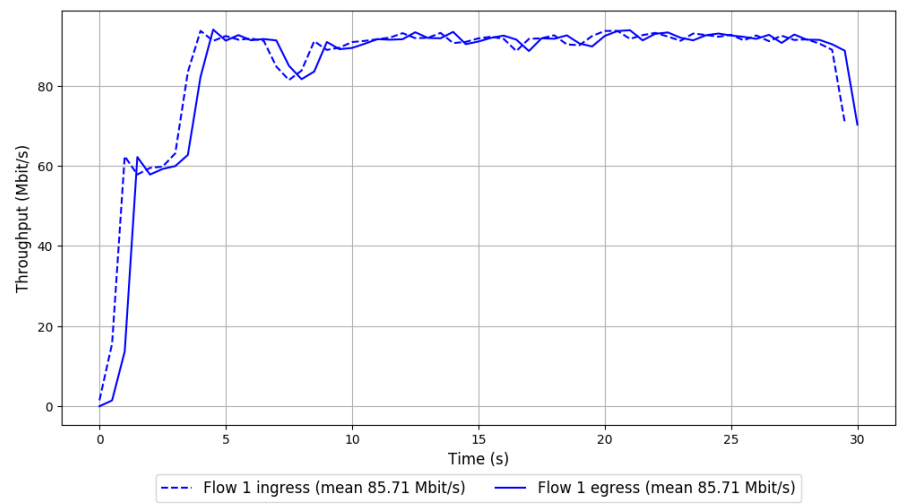
-- Flow 1:

Average throughput: 85.71 Mbit/s

95th percentile per-packet one-way delay: 19.597 ms

Loss rate: 0.09%

Run 3: Report of PCC-Vivace — Data Link



Run 4: Statistics of PCC-Vivace

Start at: 2019-08-27 07:29:40

End at: 2019-08-27 07:30:10

Local clock offset: 1.631 ms

Remote clock offset: -6.889 ms

Below is generated by plot.py at 2019-08-27 08:18:11

Datalink statistics

-- Total of 1 flow:

Average throughput: 87.75 Mbit/s

95th percentile per-packet one-way delay: 21.199 ms

Loss rate: 0.14%

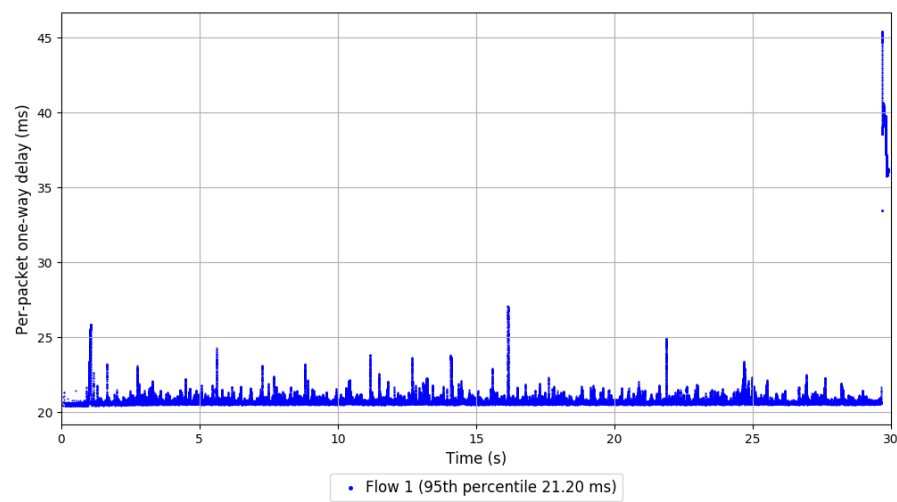
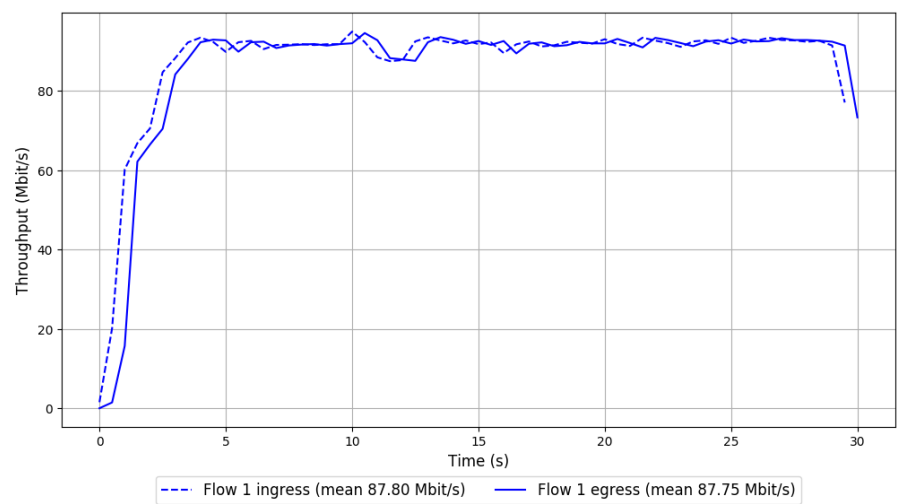
-- Flow 1:

Average throughput: 87.75 Mbit/s

95th percentile per-packet one-way delay: 21.199 ms

Loss rate: 0.14%

Run 4: Report of PCC-Vivace — Data Link

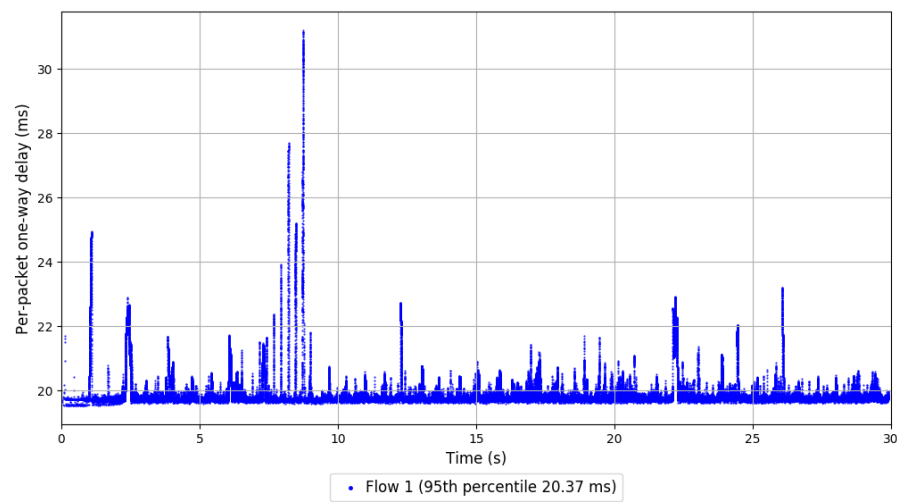
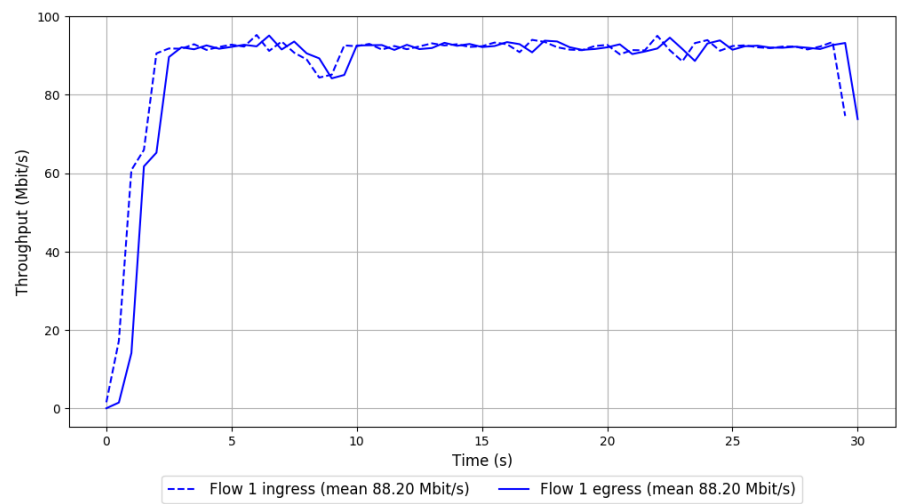


Run 5: Statistics of PCC-Vivace

Start at: 2019-08-27 07:58:51
End at: 2019-08-27 07:59:21
Local clock offset: 1.287 ms
Remote clock offset: -5.986 ms

Below is generated by plot.py at 2019-08-27 08:18:11
Datalink statistics
-- Total of 1 flow:
Average throughput: 88.20 Mbit/s
95th percentile per-packet one-way delay: 20.370 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 88.20 Mbit/s
95th percentile per-packet one-way delay: 20.370 ms
Loss rate: 0.09%

Run 5: Report of PCC-Vivace — Data Link

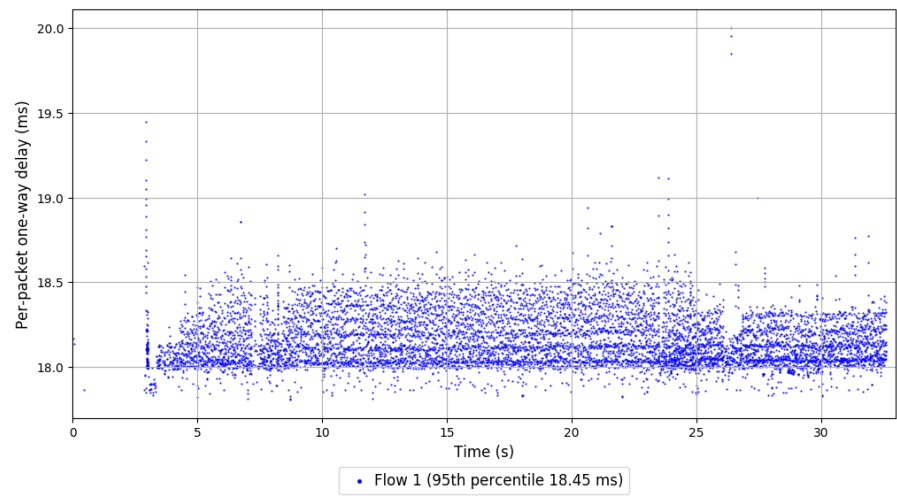
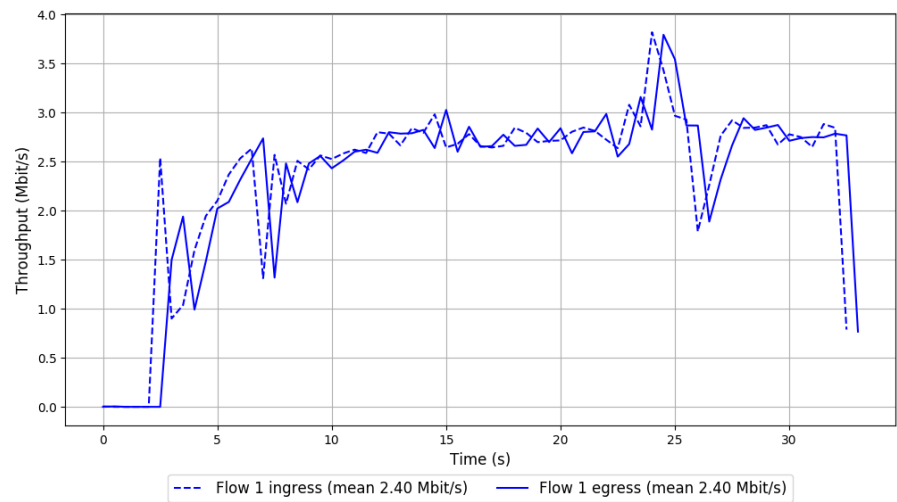


Run 1: Statistics of WebRTC media

Start at: 2019-08-27 05:42:34
End at: 2019-08-27 05:43:04
Local clock offset: -0.528 ms
Remote clock offset: -0.426 ms

Below is generated by plot.py at 2019-08-27 08:18:11
Datalink statistics
-- Total of 1 flow:
Average throughput: 2.40 Mbit/s
95th percentile per-packet one-way delay: 18.448 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 2.40 Mbit/s
95th percentile per-packet one-way delay: 18.448 ms
Loss rate: 0.13%

Run 1: Report of WebRTC media — Data Link

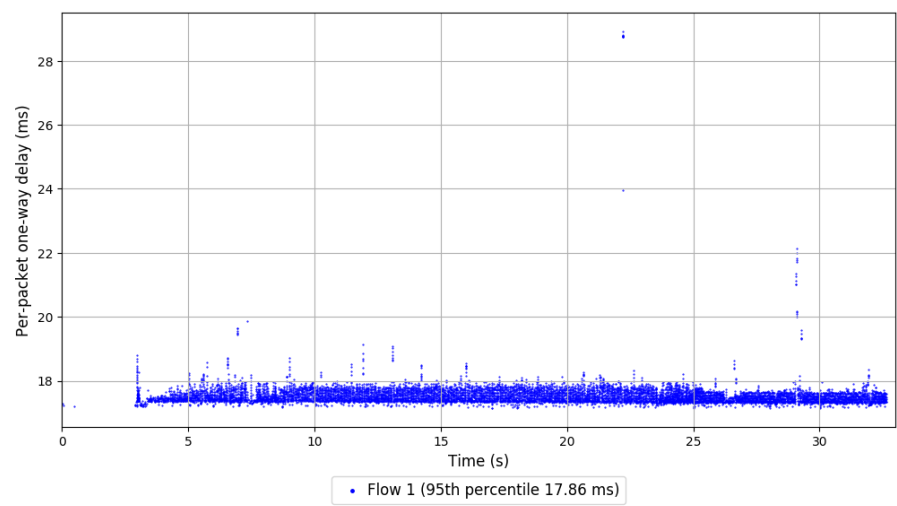
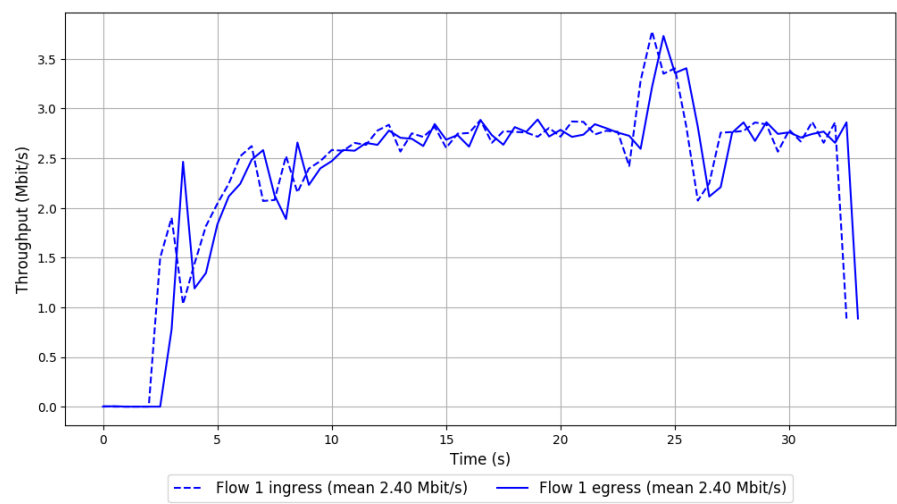


Run 2: Statistics of WebRTC media

Start at: 2019-08-27 06:11:27
End at: 2019-08-27 06:11:57
Local clock offset: -0.378 ms
Remote clock offset: -3.868 ms

Below is generated by plot.py at 2019-08-27 08:18:11
Datalink statistics
-- Total of 1 flow:
Average throughput: 2.40 Mbit/s
95th percentile per-packet one-way delay: 17.863 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 2.40 Mbit/s
95th percentile per-packet one-way delay: 17.863 ms
Loss rate: 0.06%

Run 2: Report of WebRTC media — Data Link

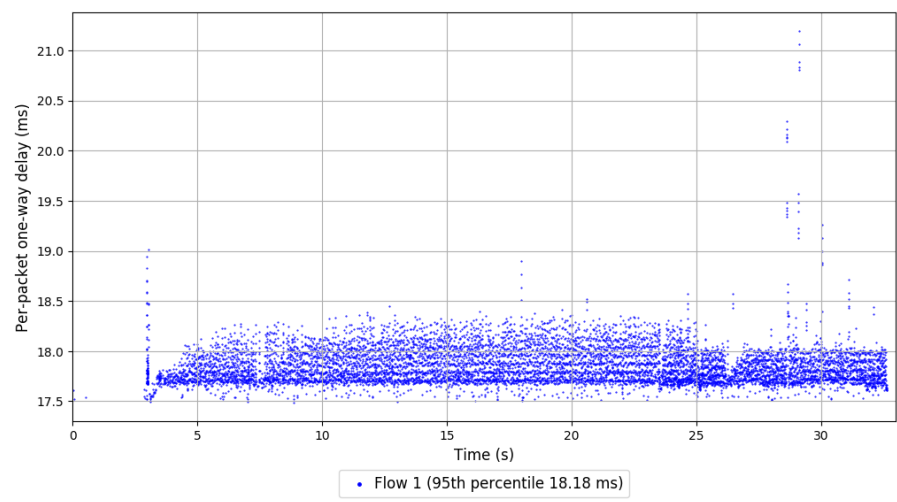
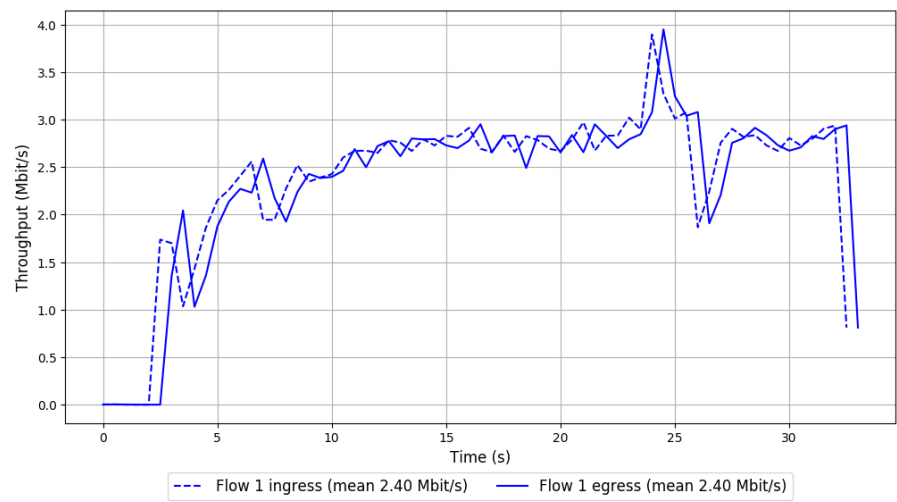


Run 3: Statistics of WebRTC media

Start at: 2019-08-27 06:41:27
End at: 2019-08-27 06:41:57
Local clock offset: -0.629 ms
Remote clock offset: -6.219 ms

Below is generated by plot.py at 2019-08-27 08:18:11
Datalink statistics
-- Total of 1 flow:
Average throughput: 2.40 Mbit/s
95th percentile per-packet one-way delay: 18.176 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 2.40 Mbit/s
95th percentile per-packet one-way delay: 18.176 ms
Loss rate: 0.06%

Run 3: Report of WebRTC media — Data Link

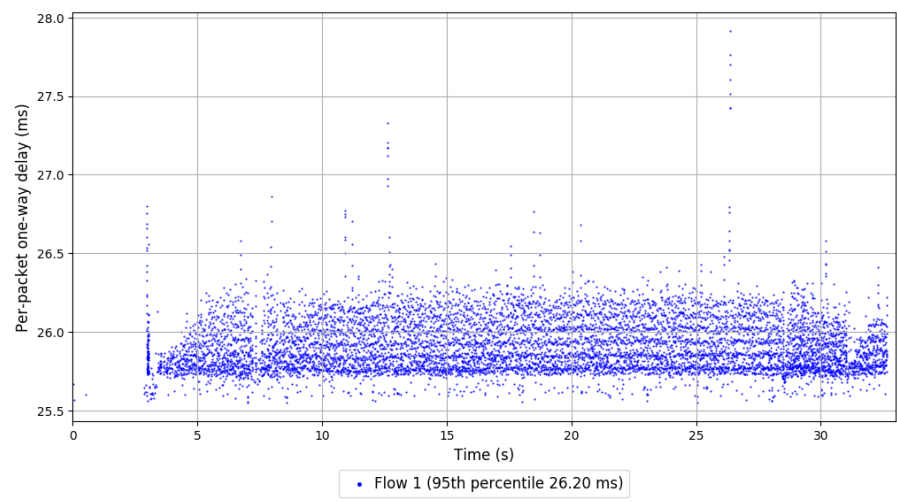
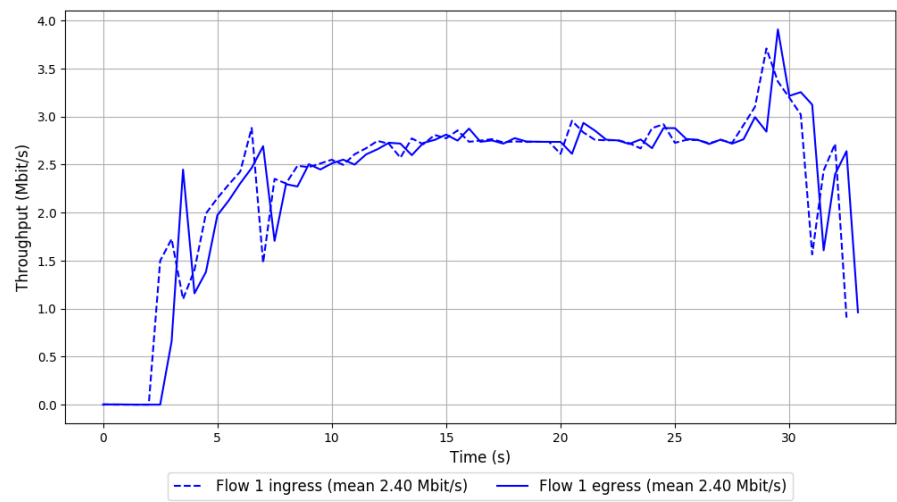


Run 4: Statistics of WebRTC media

Start at: 2019-08-27 07:10:47
End at: 2019-08-27 07:11:17
Local clock offset: 1.683 ms
Remote clock offset: -7.347 ms

Below is generated by plot.py at 2019-08-27 08:18:11
Datalink statistics
-- Total of 1 flow:
Average throughput: 2.40 Mbit/s
95th percentile per-packet one-way delay: 26.199 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 2.40 Mbit/s
95th percentile per-packet one-way delay: 26.199 ms
Loss rate: 0.08%

Run 4: Report of WebRTC media — Data Link



Run 5: Statistics of WebRTC media

Start at: 2019-08-27 07:40:40
End at: 2019-08-27 07:41:10
Local clock offset: 1.454 ms
Remote clock offset: -6.476 ms

Below is generated by plot.py at 2019-08-27 08:18:11
Datalink statistics
-- Total of 1 flow:
Average throughput: 2.41 Mbit/s
95th percentile per-packet one-way delay: 20.710 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 2.41 Mbit/s
95th percentile per-packet one-way delay: 20.710 ms
Loss rate: 0.06%

Run 5: Report of WebRTC media — Data Link

