

Pantheon Report

Generated at 2019-03-09 09:53:08 (UTC).

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

Repeated the test of 21 congestion control schemes 5 times.

Each test lasted for 30 seconds running 1 flow.

NTP offsets were measured against **nets.org.sg** and have been applied to correct the timestamps in logs.

System info:

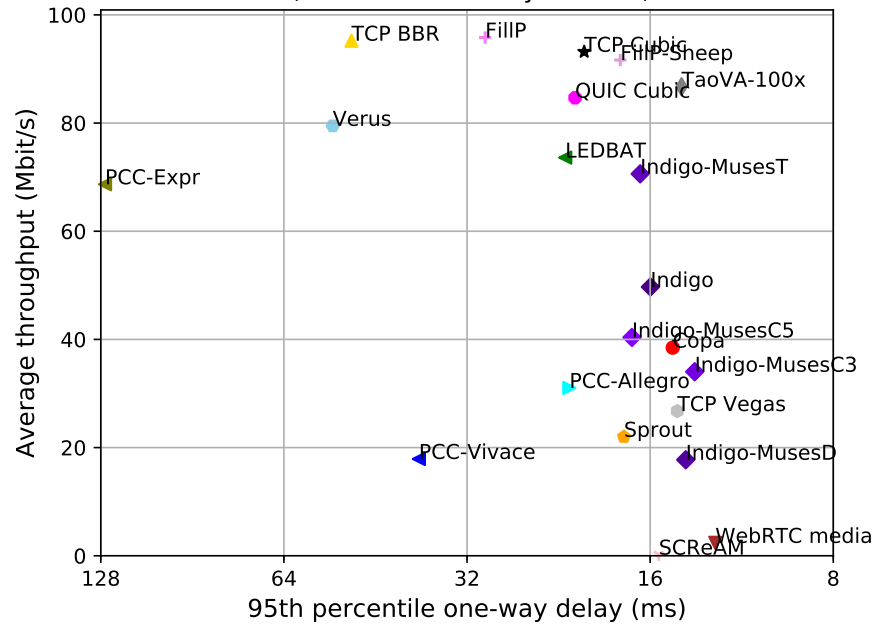
```
Linux 4.15.0-1031-aws
net.core.default_qdisc = fq
net.core.rmem_default = 16777216
net.core.rmem_max = 536870912
net.core.wmem_default = 16777216
net.core.wmem_max = 536870912
net.ipv4.tcp_rmem = 4096 16777216 536870912
net.ipv4.tcp_wmem = 4096 16777216 536870912
```

Git summary:

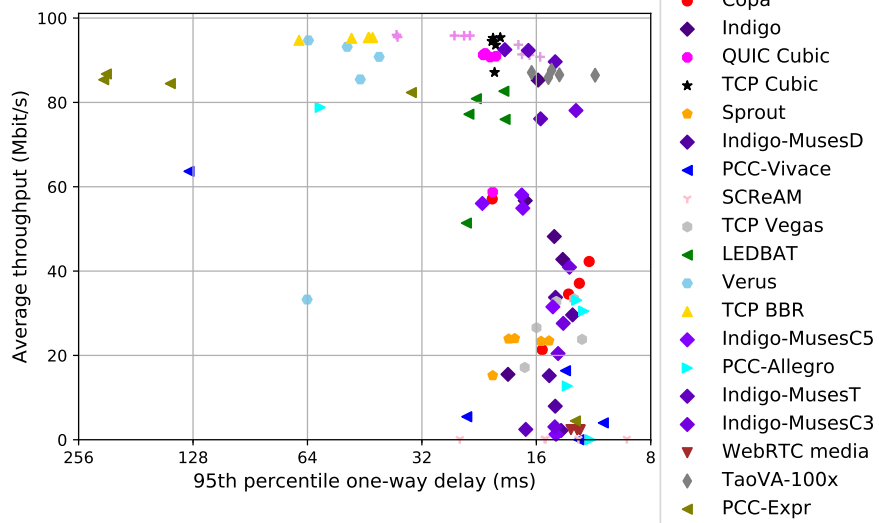
```
branch: muses @ 7a686f7c2ed0a333082c0bab1fa5c921ab47e6ee
third_party/fillp @ d6da1459332fcee56963885d7eba17e6a32d4519
third_party/fillp-sheep @ 0e5bb722943babcd2b090d2c64fcd45e12e923f9
third_party/genericCC @ d0153f8e594aa89e93b032143cedbdf58e562f4
third_party/indigo @ 2601c92e4aa9d58d38dc4dfe0ecd90c077e64d
third_party/libutp @ b3465b942e2826f2b179eaab4a906ce6bb7cf3cf
third_party/muses @ 5ce721187ad823da20955337730c746486ca4966
third_party/pantheon-tunnel @ f866d3f58d27afd942717625ee3a354cc2e802bd
third_party/pcc @ 1afc958fa0d66d18b623c091a55fec872b4981e1
M receiver/src/buffer.h
M receiver/src/core.cpp
M sender/src/buffer.h
M sender/src/core.cpp
third_party/pcc-experimental @ cd43e34e3f5f5613e8acd08fab92c4eb24f974ab
third_party/proto-quick @ 77961f1a82733a86b42f1bc8143ebc978f3cff42
third_party/scream-reproduce @ f099118d1421aa3131bf11ff1964974e1da3bdb2
M src/ScreamClient
M src/ScreamServer
third_party/sprout @ 366e35c6178b01e31d4a46ad18c74f9415f19a26
M src/examples/cellsim.cc
M src/examples/sproutbt2.cc
M src/network/sproutconn.cc
third_party/verus @ d4b447ea74c6c60a261149af2629562939f9a494
M src/verus.hpp
M tools/plot.py
third_party/vivace @ 2baf86211435ae071a32f96b7d8c504587f5d7f4
```

third_party/webrtc @ 3f0cc2a9061a41b6f9dde4735770d143a1fa2851

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



test from India to AWS India 1, 5 runs of 30s each per scheme



scheme	# runs	mean avg tput (Mbit/s) flow 1	mean 95th-%ile delay (ms) flow 1	mean loss rate (%) flow 1
TCP BBR	5	95.22	49.55	4.39
Copa	5	38.48	14.69	0.10
TCP Cubic	5	93.17	20.54	0.12
FillP	5	95.81	29.87	0.24
FillP-Sheep	5	91.65	17.91	0.12
Indigo	5	49.70	15.98	0.08
Indigo-MusesC3	5	34.02	13.52	0.13
Indigo-MusesC5	5	40.37	17.14	0.09
Indigo-MusesD	5	17.75	13.98	0.07
Indigo-MusesT	5	70.61	16.61	0.13
LEDBAT	5	73.62	22.07	0.13
PCC-Allegro	5	31.03	21.72	0.10
PCC-Expr	5	68.68	125.98	0.27
QUIC Cubic	5	84.68	21.26	0.12
SCReAM	5	0.21	15.48	0.26
Sprout	5	21.99	17.67	0.19
TaoVA-100x	5	86.72	14.21	0.12
TCP Vegas	5	26.75	14.44	0.12
Verus	5	79.48	53.20	0.60
PCC-Vivace	5	17.90	38.40	0.22
WebRTC media	5	2.39	12.51	0.14

Run 1: Statistics of TCP BBR

Start at: 2019-03-09 07:41:58

End at: 2019-03-09 07:42:28

Local clock offset: 3.771 ms

Remote clock offset: -0.649 ms

Below is generated by plot.py at 2019-03-09 09:44:36

Datalink statistics

-- Total of 1 flow:

Average throughput: 95.39 Mbit/s

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

Loss rate: 4.07%

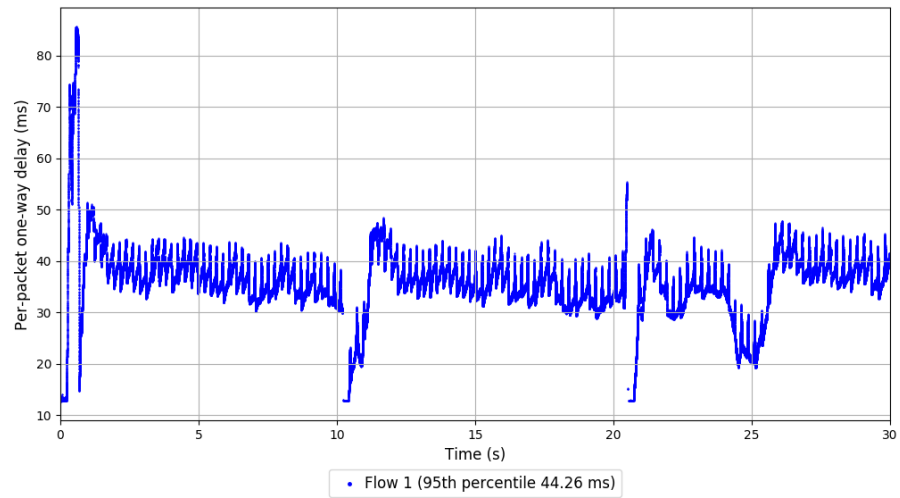
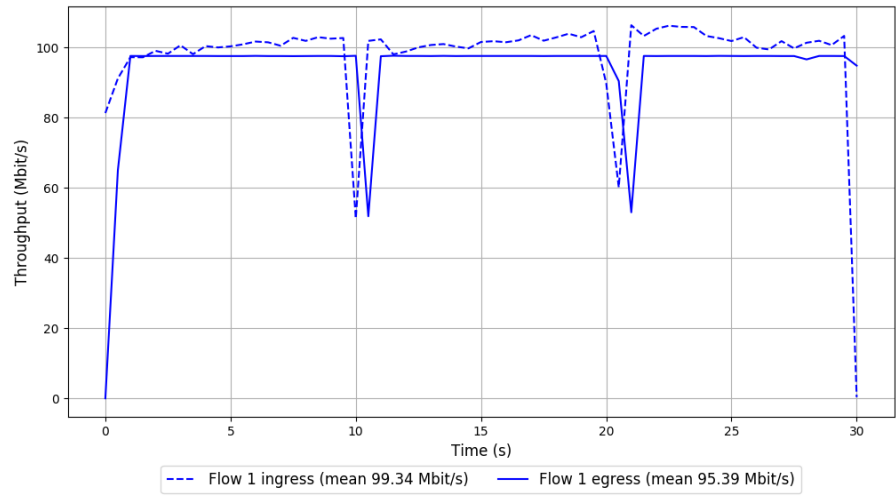
-- Flow 1:

Average throughput: 95.39 Mbit/s

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

Loss rate: 4.07%

Run 1: Report of TCP BBR — Data Link

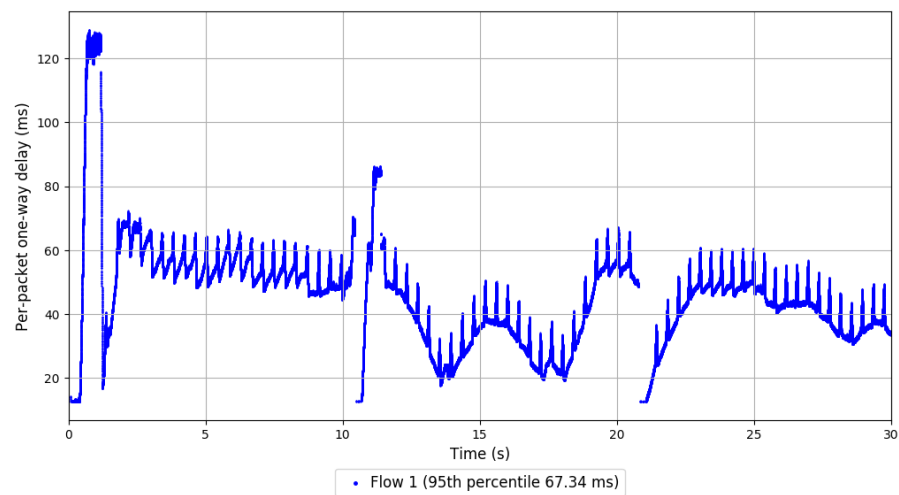
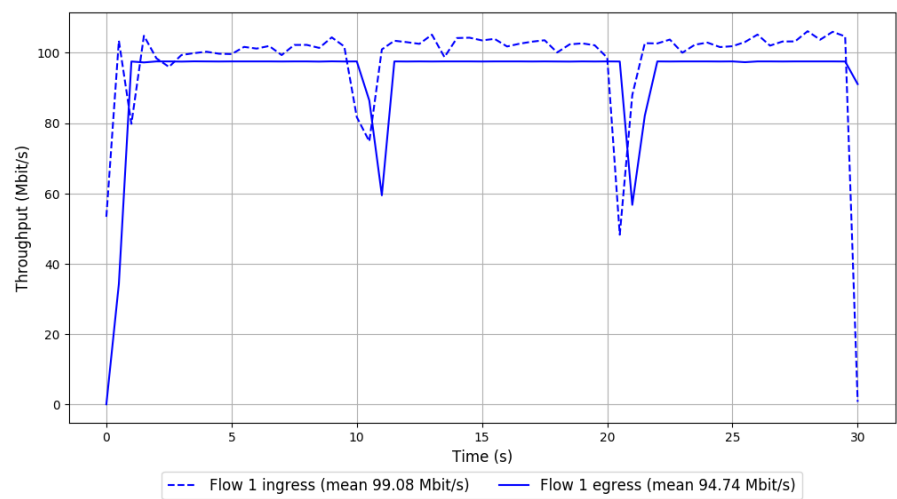


Run 2: Statistics of TCP BBR

Start at: 2019-03-09 08:07:39
End at: 2019-03-09 08:08:09
Local clock offset: -2.376 ms
Remote clock offset: -1.392 ms

Below is generated by plot.py at 2019-03-09 09:44:36
Datalink statistics
-- Total of 1 flow:
Average throughput: 94.74 Mbit/s
95th percentile per-packet one-way delay: 67.338 ms
Loss rate: 4.53%
-- Flow 1:
Average throughput: 94.74 Mbit/s
95th percentile per-packet one-way delay: 67.338 ms
Loss rate: 4.53%

Run 2: Report of TCP BBR — Data Link

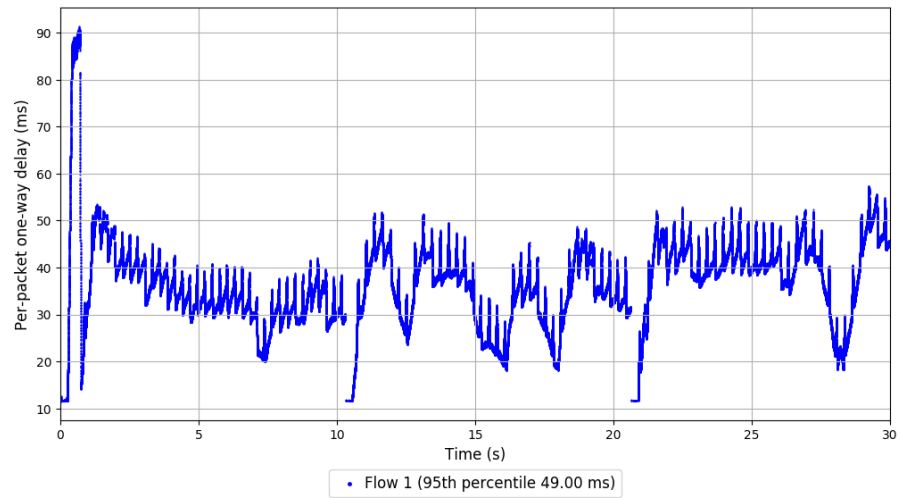
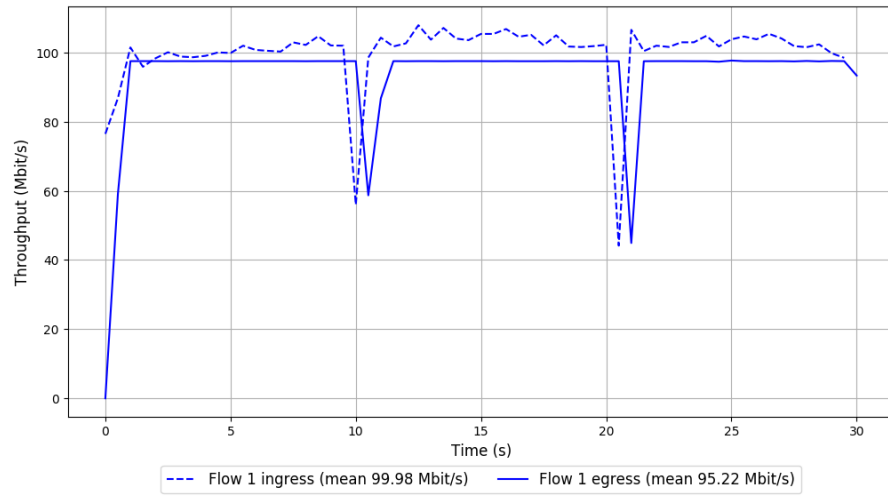


Run 3: Statistics of TCP BBR

Start at: 2019-03-09 08:32:54
End at: 2019-03-09 08:33:24
Local clock offset: -0.414 ms
Remote clock offset: -0.632 ms

Below is generated by plot.py at 2019-03-09 09:44:37
Datalink statistics
-- Total of 1 flow:
Average throughput: 95.22 Mbit/s
95th percentile per-packet one-way delay: 48.997 ms
Loss rate: 4.86%
-- Flow 1:
Average throughput: 95.22 Mbit/s
95th percentile per-packet one-way delay: 48.997 ms
Loss rate: 4.86%

Run 3: Report of TCP BBR — Data Link

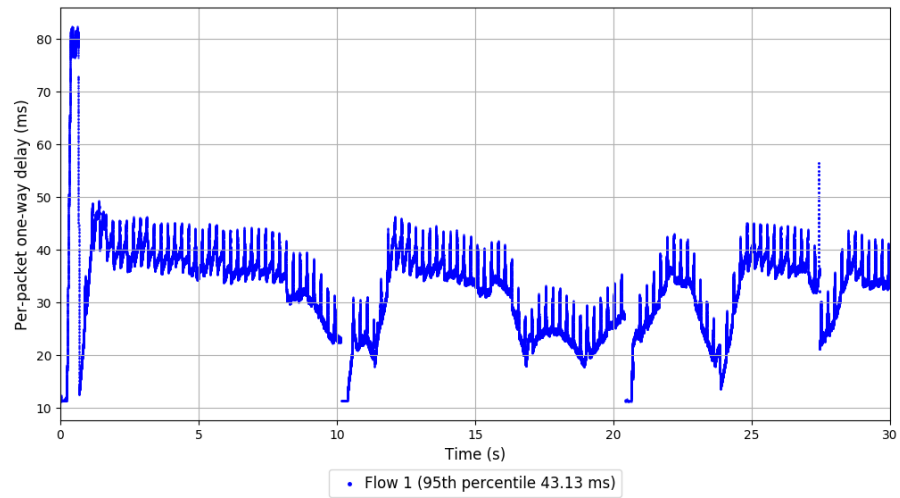
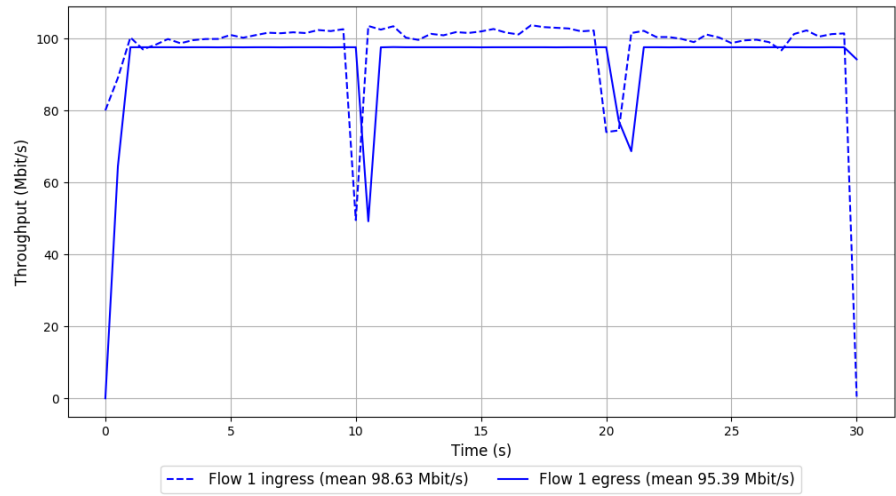


Run 4: Statistics of TCP BBR

Start at: 2019-03-09 08:58:19
End at: 2019-03-09 08:58:49
Local clock offset: 2.387 ms
Remote clock offset: -1.523 ms

Below is generated by plot.py at 2019-03-09 09:44:37
Datalink statistics
-- Total of 1 flow:
Average throughput: 95.39 Mbit/s
95th percentile per-packet one-way delay: 43.128 ms
Loss rate: 3.38%
-- Flow 1:
Average throughput: 95.39 Mbit/s
95th percentile per-packet one-way delay: 43.128 ms
Loss rate: 3.38%

Run 4: Report of TCP BBR — Data Link



Run 5: Statistics of TCP BBR

Start at: 2019-03-09 09:23:14

End at: 2019-03-09 09:23:44

Local clock offset: 1.561 ms

Remote clock offset: 0.518 ms

Below is generated by plot.py at 2019-03-09 09:44:37

Datalink statistics

-- Total of 1 flow:

Average throughput: 95.38 Mbit/s

95th percentile per-packet one-way delay: 44.055 ms

Loss rate: 5.11%

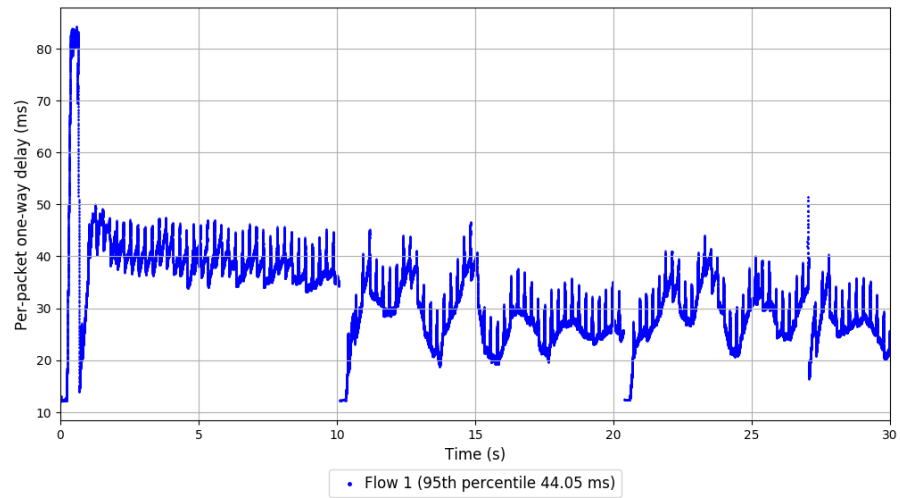
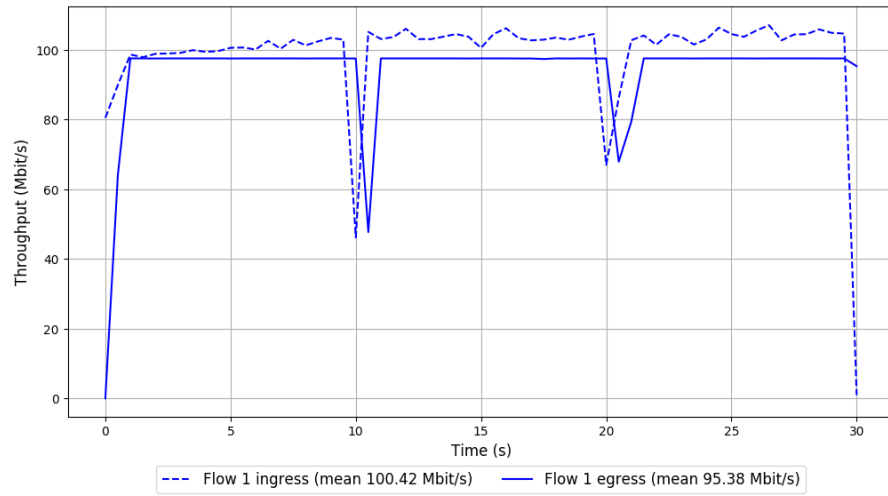
-- Flow 1:

Average throughput: 95.38 Mbit/s

95th percentile per-packet one-way delay: 44.055 ms

Loss rate: 5.11%

Run 5: Report of TCP BBR — Data Link



Run 1: Statistics of Copa

Start at: 2019-03-09 07:40:44

End at: 2019-03-09 07:41:14

Local clock offset: 2.284 ms

Remote clock offset: -1.219 ms

Below is generated by plot.py at 2019-03-09 09:44:37

Datalink statistics

-- Total of 1 flow:

Average throughput: 37.10 Mbit/s

95th percentile per-packet one-way delay: 12.328 ms

Loss rate: 0.11%

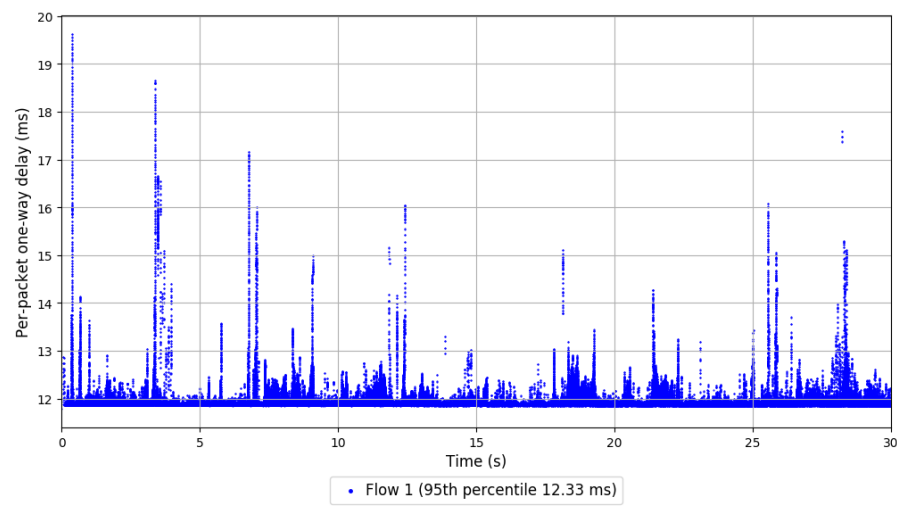
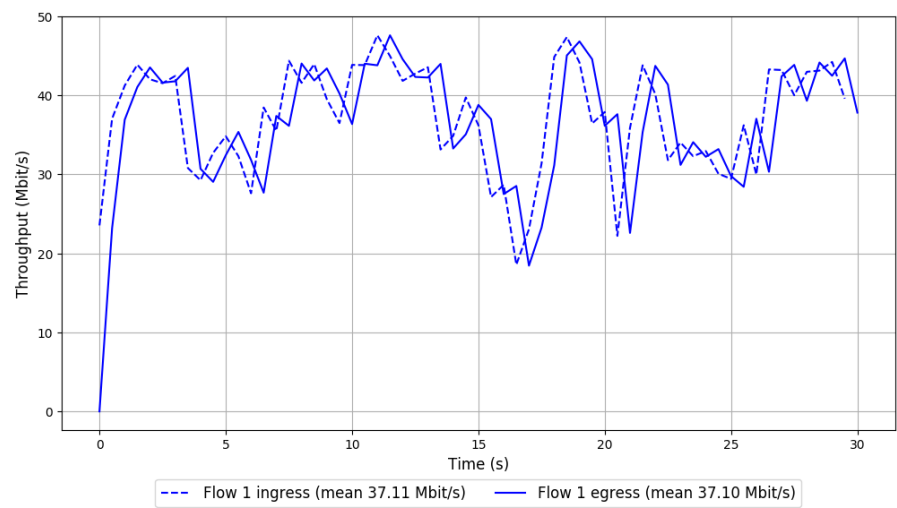
-- Flow 1:

Average throughput: 37.10 Mbit/s

95th percentile per-packet one-way delay: 12.328 ms

Loss rate: 0.11%

Run 1: Report of Copa — Data Link

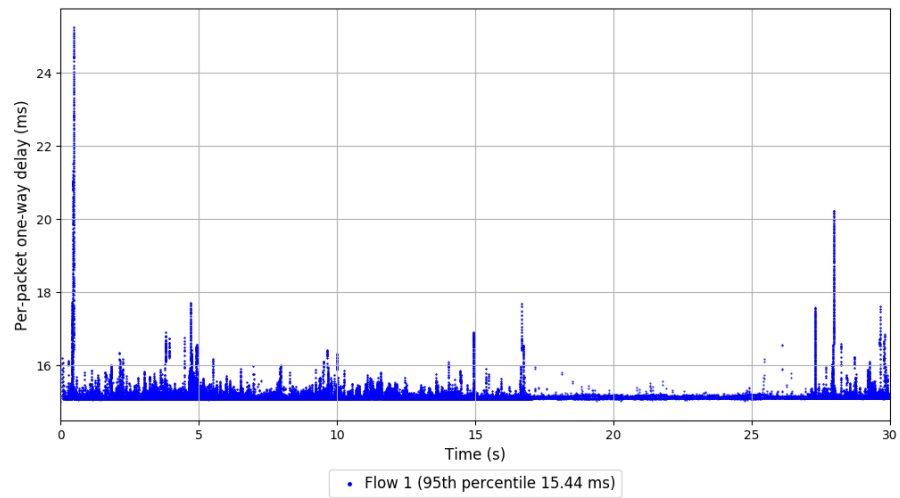
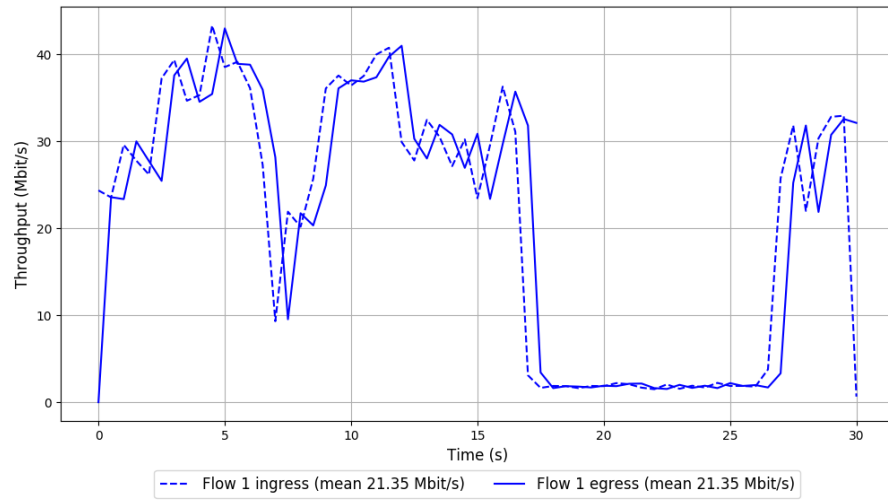


Run 2: Statistics of Copa

Start at: 2019-03-09 08:06:19
End at: 2019-03-09 08:06:49
Local clock offset: -0.73 ms
Remote clock offset: -2.268 ms

Below is generated by plot.py at 2019-03-09 09:44:37
Datalink statistics
-- Total of 1 flow:
Average throughput: 21.35 Mbit/s
95th percentile per-packet one-way delay: 15.440 ms
Loss rate: 0.20%
-- Flow 1:
Average throughput: 21.35 Mbit/s
95th percentile per-packet one-way delay: 15.440 ms
Loss rate: 0.20%

Run 2: Report of Copa — Data Link

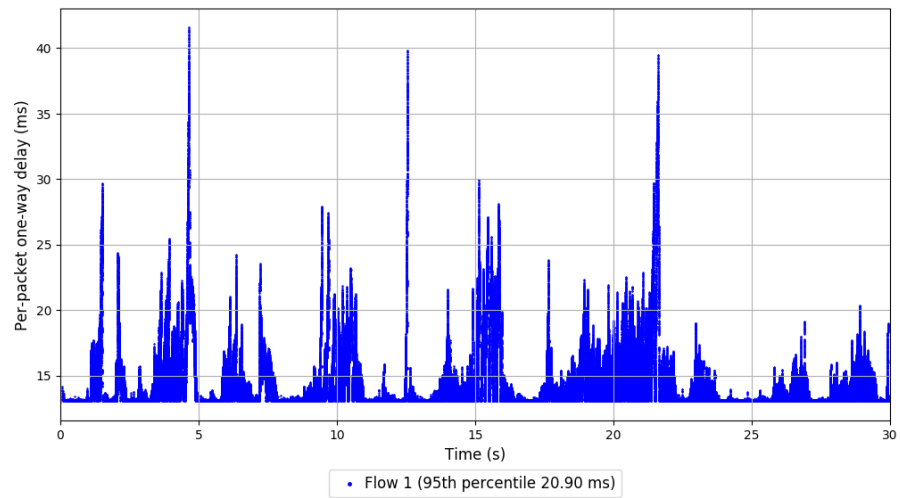
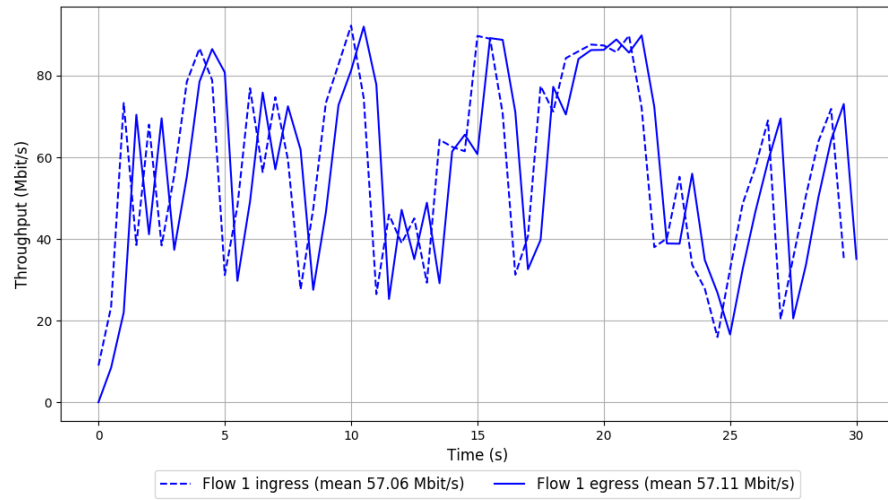


Run 3: Statistics of Copa

Start at: 2019-03-09 08:31:42
End at: 2019-03-09 08:32:12
Local clock offset: 0.855 ms
Remote clock offset: -0.829 ms

Below is generated by plot.py at 2019-03-09 09:44:45
Datalink statistics
-- Total of 1 flow:
Average throughput: 57.11 Mbit/s
95th percentile per-packet one-way delay: 20.899 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 57.11 Mbit/s
95th percentile per-packet one-way delay: 20.899 ms
Loss rate: 0.04%

Run 3: Report of Copa — Data Link

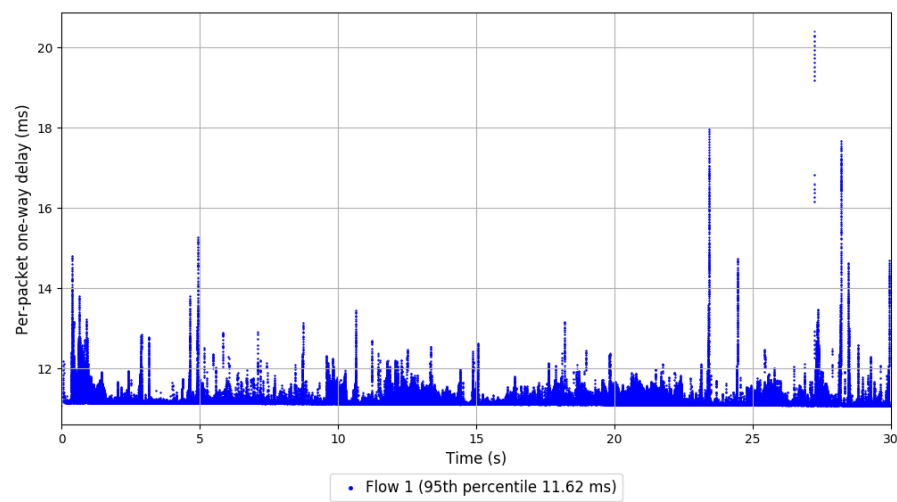
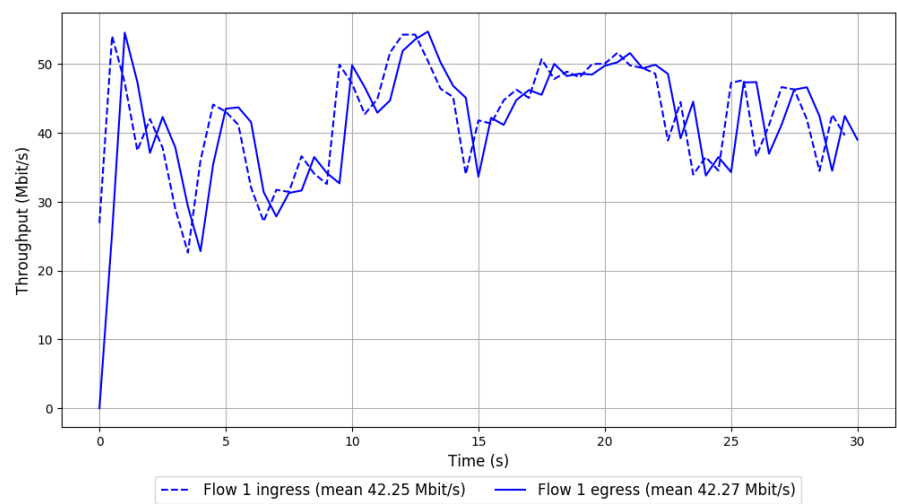


Run 4: Statistics of Copa

Start at: 2019-03-09 08:57:07
End at: 2019-03-09 08:57:37
Local clock offset: 3.41 ms
Remote clock offset: -0.117 ms

Below is generated by plot.py at 2019-03-09 09:44:54
Datalink statistics
-- Total of 1 flow:
Average throughput: 42.27 Mbit/s
95th percentile per-packet one-way delay: 11.618 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 42.27 Mbit/s
95th percentile per-packet one-way delay: 11.618 ms
Loss rate: 0.04%

Run 4: Report of Copa — Data Link



Run 5: Statistics of Copa

Start at: 2019-03-09 09:22:03

End at: 2019-03-09 09:22:33

Local clock offset: 0.964 ms

Remote clock offset: -0.055 ms

Below is generated by plot.py at 2019-03-09 09:45:01

Datalink statistics

-- Total of 1 flow:

Average throughput: 34.55 Mbit/s

95th percentile per-packet one-way delay: 13.163 ms

Loss rate: 0.13%

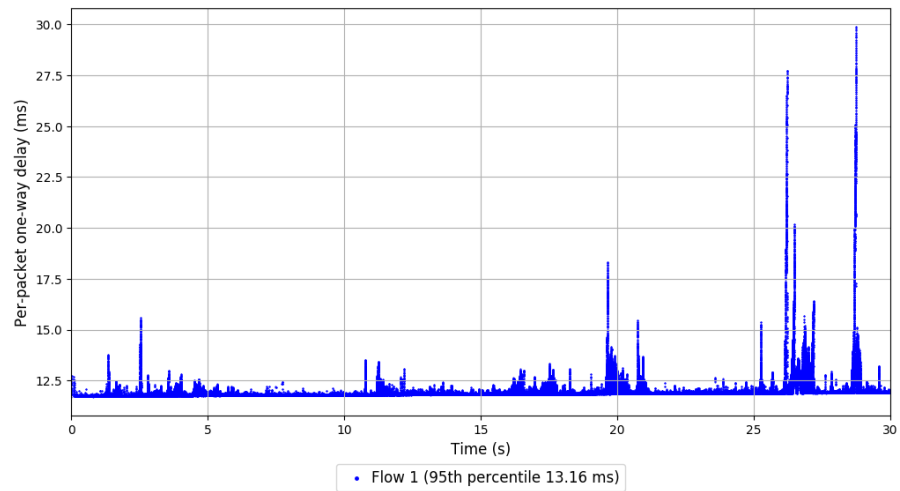
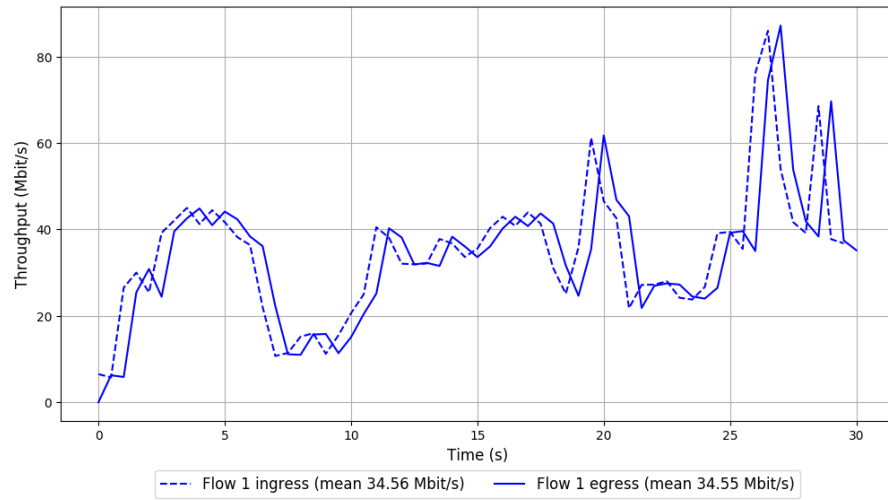
-- Flow 1:

Average throughput: 34.55 Mbit/s

95th percentile per-packet one-way delay: 13.163 ms

Loss rate: 0.13%

Run 5: Report of Copa — Data Link

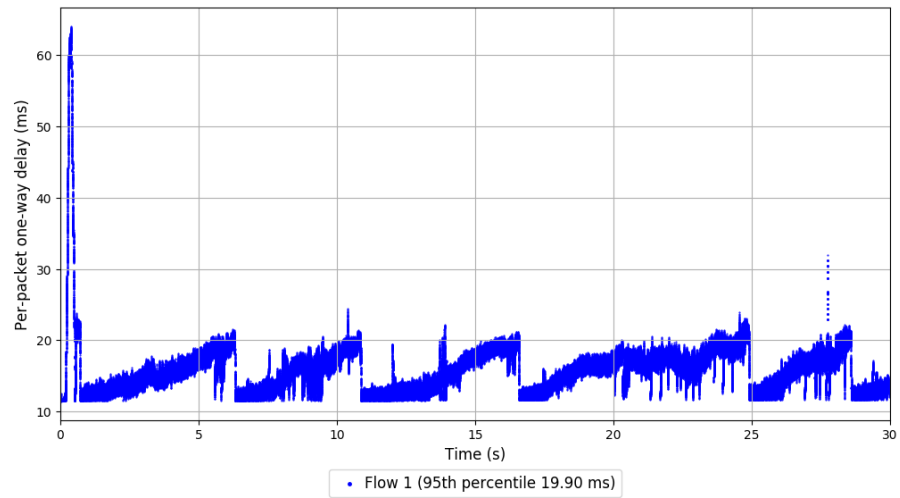
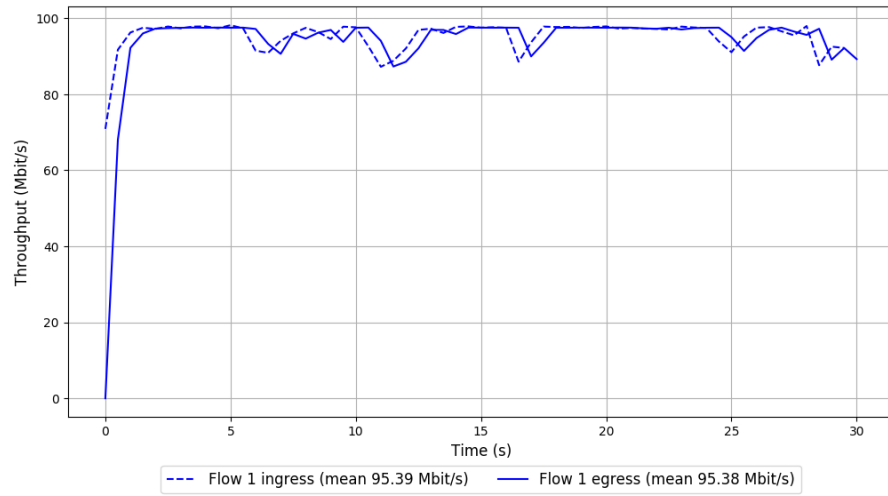


Run 1: Statistics of TCP Cubic

Start at: 2019-03-09 07:44:25
End at: 2019-03-09 07:44:55
Local clock offset: 0.413 ms
Remote clock offset: -2.562 ms

Below is generated by plot.py at 2019-03-09 09:45:34
Datalink statistics
-- Total of 1 flow:
Average throughput: 95.38 Mbit/s
95th percentile per-packet one-way delay: 19.902 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 95.38 Mbit/s
95th percentile per-packet one-way delay: 19.902 ms
Loss rate: 0.10%

Run 1: Report of TCP Cubic — Data Link

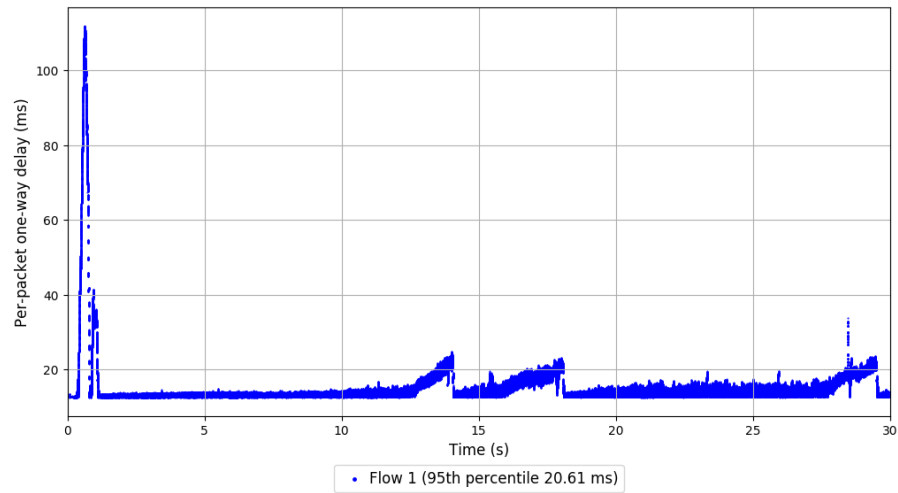
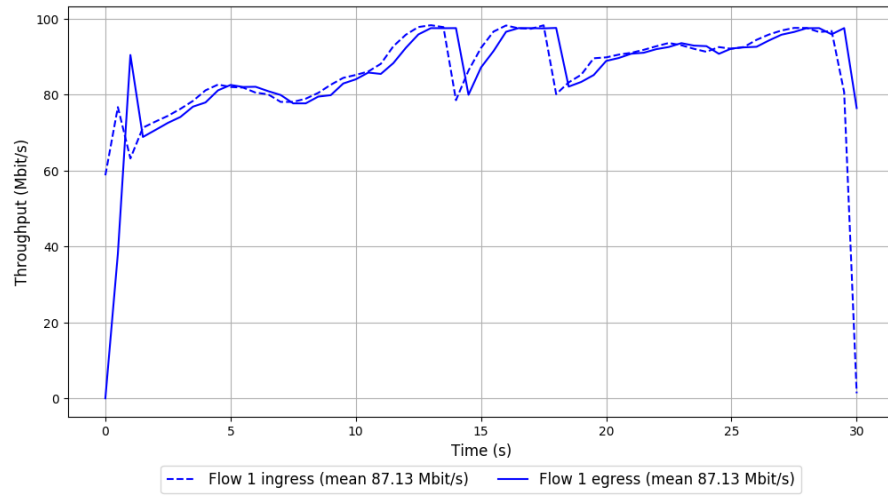


Run 2: Statistics of TCP Cubic

Start at: 2019-03-09 08:10:24
End at: 2019-03-09 08:10:54
Local clock offset: -2.859 ms
Remote clock offset: -1.736 ms

Below is generated by plot.py at 2019-03-09 09:45:34
Datalink statistics
-- Total of 1 flow:
Average throughput: 87.13 Mbit/s
95th percentile per-packet one-way delay: 20.605 ms
Loss rate: 0.17%
-- Flow 1:
Average throughput: 87.13 Mbit/s
95th percentile per-packet one-way delay: 20.605 ms
Loss rate: 0.17%

Run 2: Report of TCP Cubic — Data Link

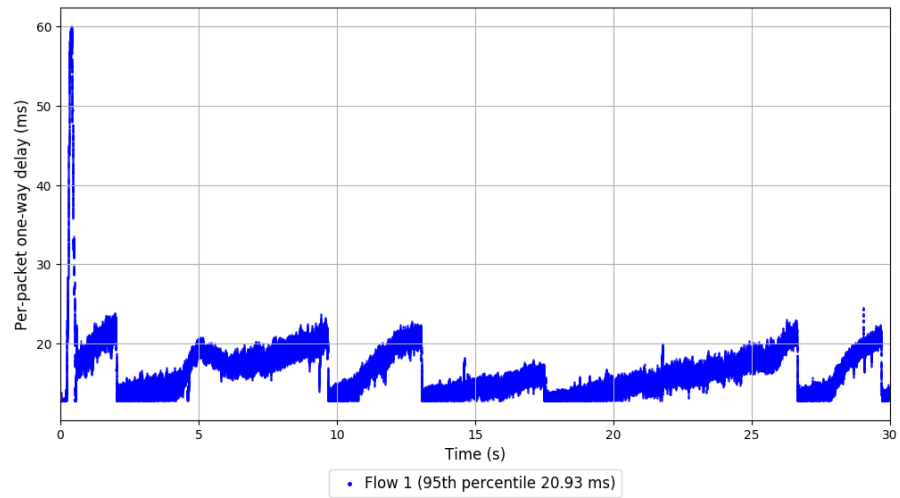
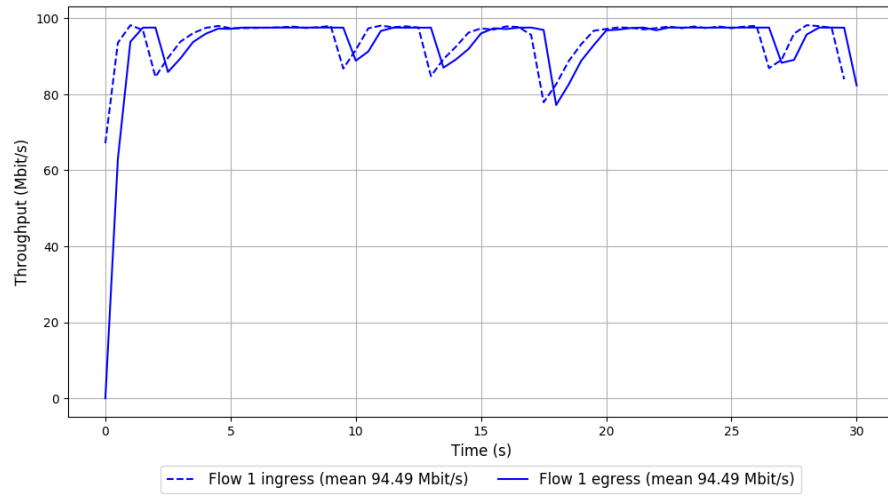


Run 3: Statistics of TCP Cubic

Start at: 2019-03-09 08:35:20
End at: 2019-03-09 08:35:50
Local clock offset: -0.507 ms
Remote clock offset: -1.953 ms

Below is generated by plot.py at 2019-03-09 09:45:34
Datalink statistics
-- Total of 1 flow:
Average throughput: 94.49 Mbit/s
95th percentile per-packet one-way delay: 20.934 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 94.49 Mbit/s
95th percentile per-packet one-way delay: 20.934 ms
Loss rate: 0.10%

Run 3: Report of TCP Cubic — Data Link

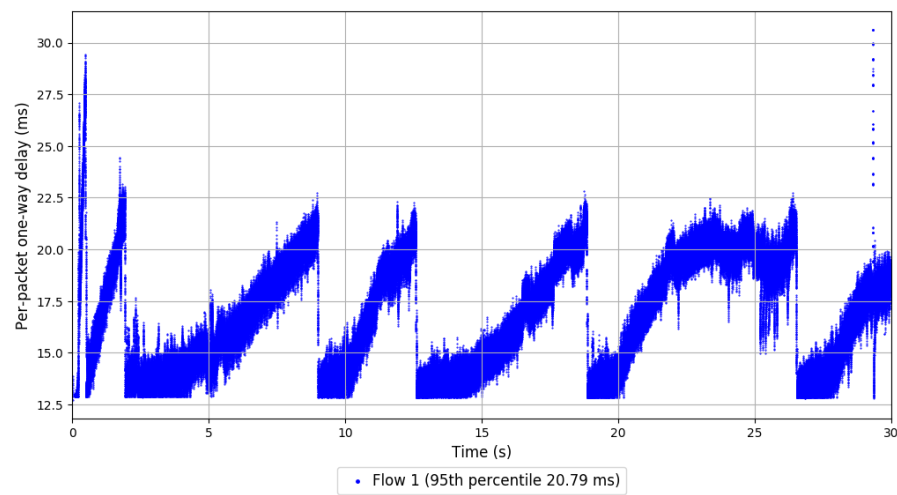
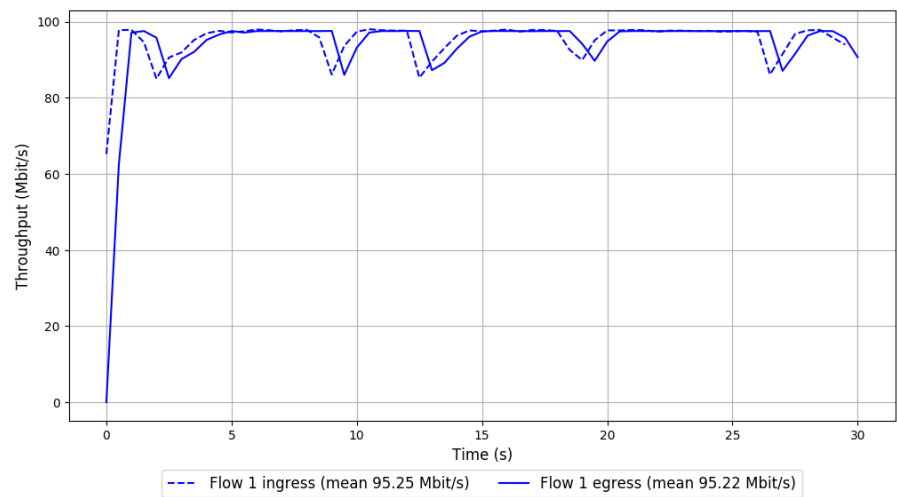


Run 4: Statistics of TCP Cubic

Start at: 2019-03-09 09:00:40
End at: 2019-03-09 09:01:10
Local clock offset: 5.284 ms
Remote clock offset: -0.424 ms

Below is generated by plot.py at 2019-03-09 09:45:35
Datalink statistics
-- Total of 1 flow:
Average throughput: 95.22 Mbit/s
95th percentile per-packet one-way delay: 20.790 ms
Loss rate: 0.12%
-- Flow 1:
Average throughput: 95.22 Mbit/s
95th percentile per-packet one-way delay: 20.790 ms
Loss rate: 0.12%

Run 4: Report of TCP Cubic — Data Link



Run 5: Statistics of TCP Cubic

Start at: 2019-03-09 09:25:38

End at: 2019-03-09 09:26:08

Local clock offset: 0.307 ms

Remote clock offset: 0.175 ms

Below is generated by plot.py at 2019-03-09 09:45:35

Datalink statistics

-- Total of 1 flow:

Average throughput: 93.62 Mbit/s

95th percentile per-packet one-way delay: 20.468 ms

Loss rate: 0.10%

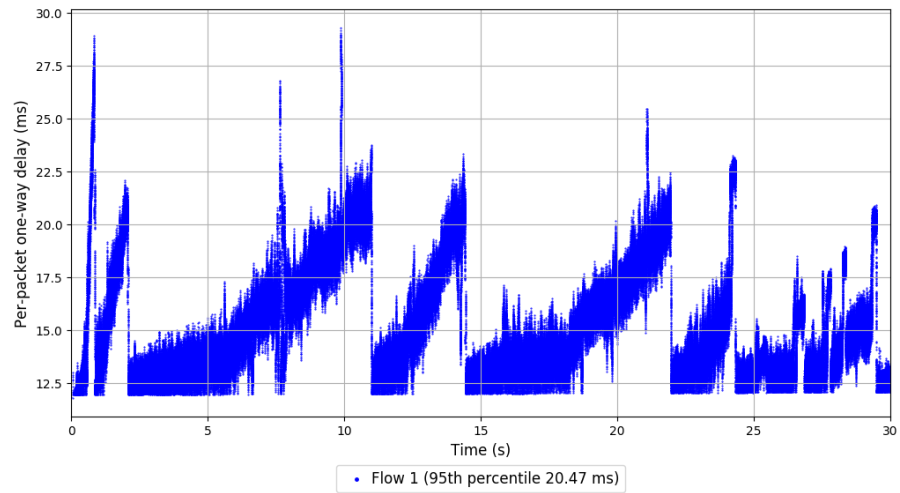
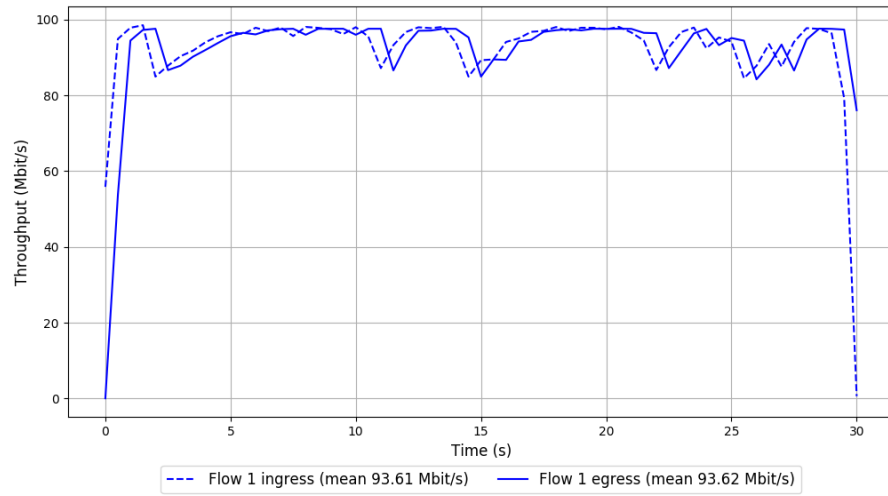
-- Flow 1:

Average throughput: 93.62 Mbit/s

95th percentile per-packet one-way delay: 20.468 ms

Loss rate: 0.10%

Run 5: Report of TCP Cubic — Data Link



Run 1: Statistics of FillP

Start at: 2019-03-09 07:37:03

End at: 2019-03-09 07:37:33

Local clock offset: 3.586 ms

Remote clock offset: -0.993 ms

Below is generated by plot.py at 2019-03-09 09:46:02

Datalink statistics

-- Total of 1 flow:

Average throughput: 96.03 Mbit/s

95th percentile per-packet one-way delay: 37.308 ms

Loss rate: 0.52%

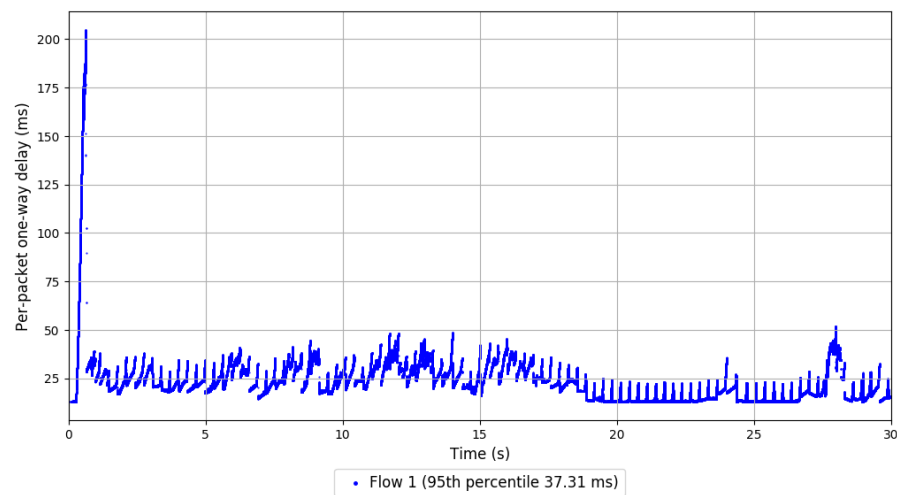
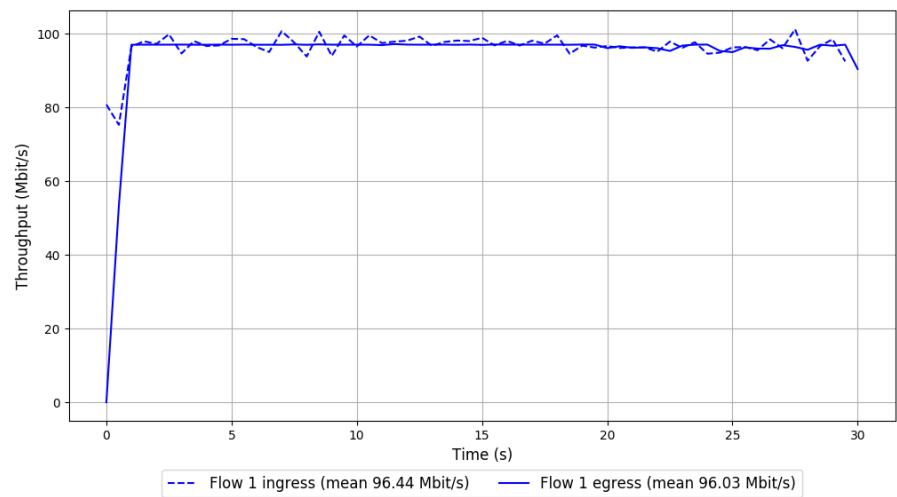
-- Flow 1:

Average throughput: 96.03 Mbit/s

95th percentile per-packet one-way delay: 37.308 ms

Loss rate: 0.52%

Run 1: Report of FillP — Data Link

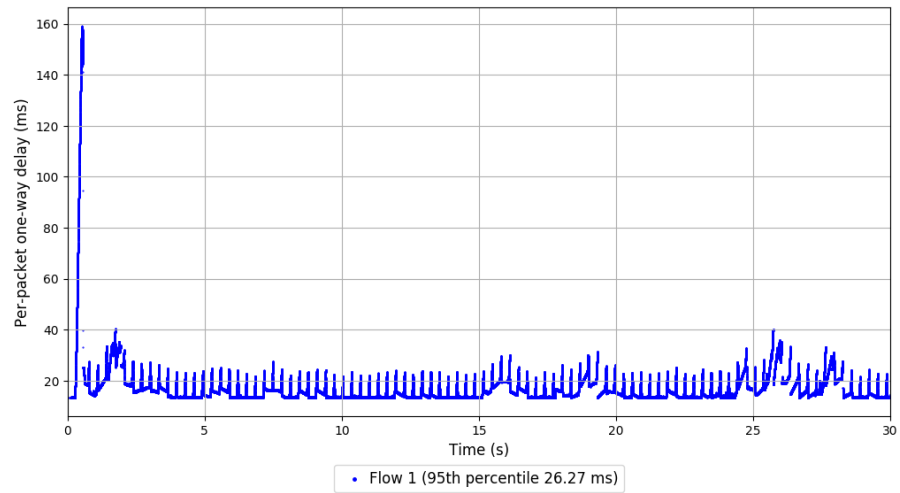
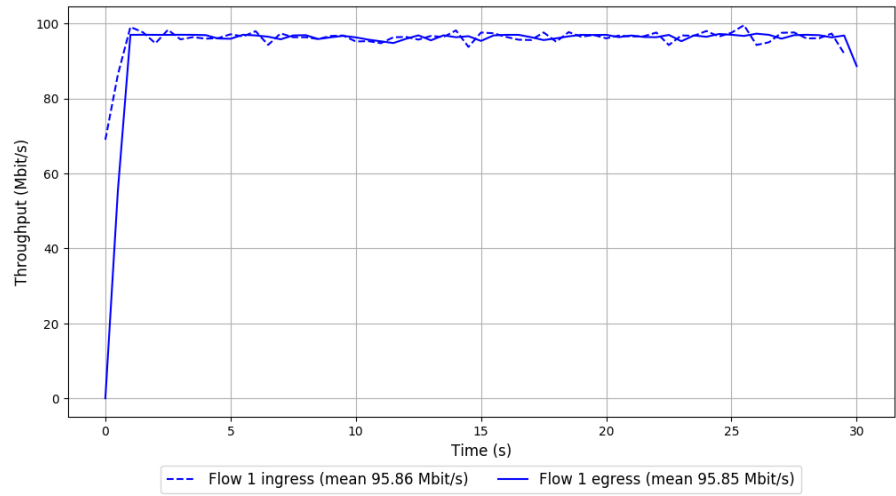


Run 2: Statistics of FillP

Start at: 2019-03-09 08:02:36
End at: 2019-03-09 08:03:06
Local clock offset: -1.463 ms
Remote clock offset: -1.566 ms

Below is generated by plot.py at 2019-03-09 09:46:09
Datalink statistics
-- Total of 1 flow:
Average throughput: 95.85 Mbit/s
95th percentile per-packet one-way delay: 26.274 ms
Loss rate: 0.12%
-- Flow 1:
Average throughput: 95.85 Mbit/s
95th percentile per-packet one-way delay: 26.274 ms
Loss rate: 0.12%

Run 2: Report of FillP — Data Link

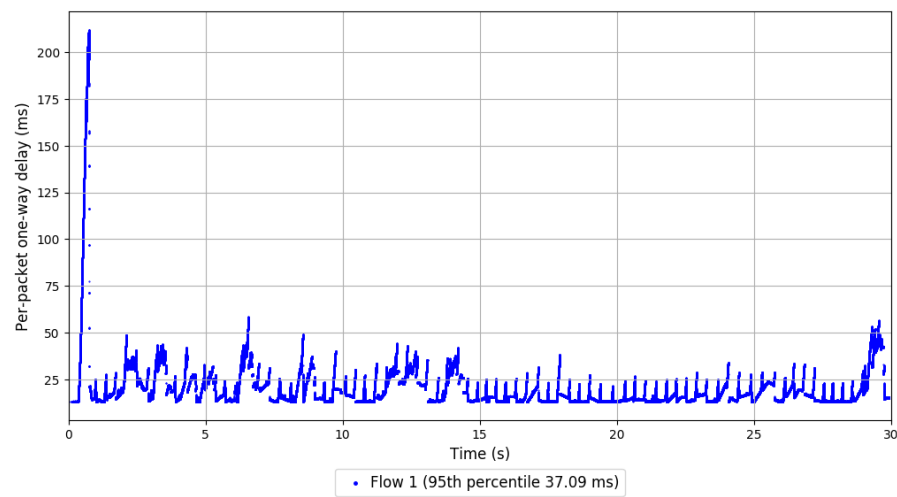
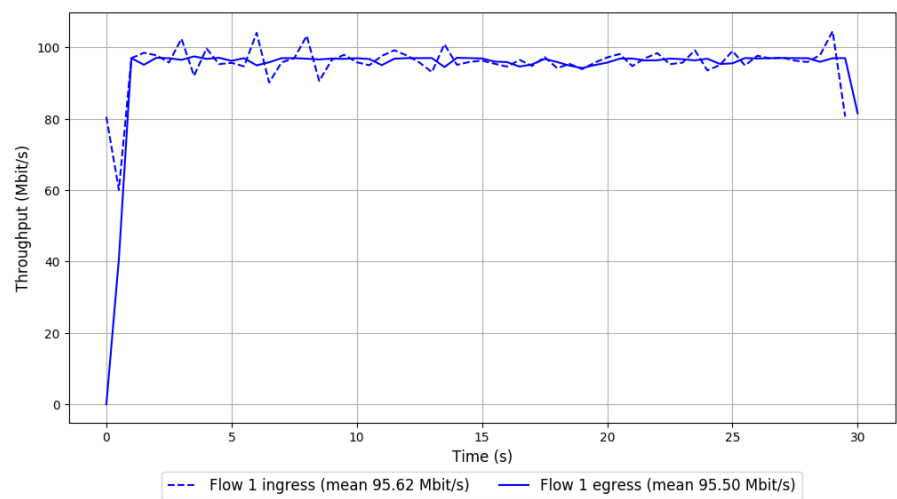


Run 3: Statistics of FillP

Start at: 2019-03-09 08:27:59
End at: 2019-03-09 08:28:29
Local clock offset: 0.79 ms
Remote clock offset: -0.869 ms

Below is generated by plot.py at 2019-03-09 09:46:16
Datalink statistics
-- Total of 1 flow:
Average throughput: 95.50 Mbit/s
95th percentile per-packet one-way delay: 37.085 ms
Loss rate: 0.29%
-- Flow 1:
Average throughput: 95.50 Mbit/s
95th percentile per-packet one-way delay: 37.085 ms
Loss rate: 0.29%

Run 3: Report of FillP — Data Link

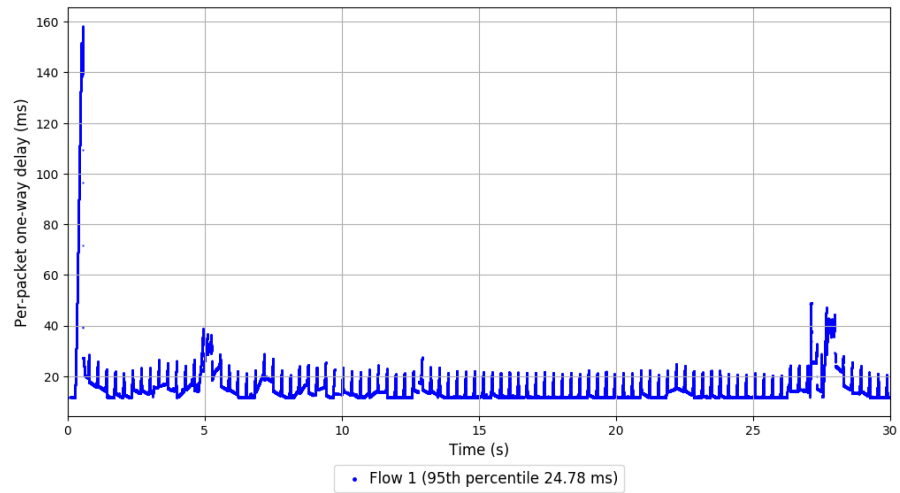
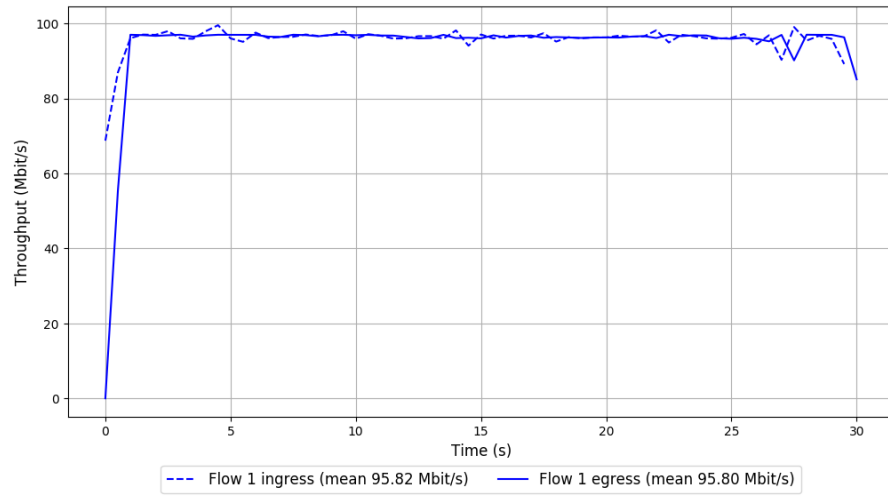


Run 4: Statistics of FillP

Start at: 2019-03-09 08:53:32
End at: 2019-03-09 08:54:02
Local clock offset: 2.541 ms
Remote clock offset: -0.997 ms

Below is generated by plot.py at 2019-03-09 09:46:46
Datalink statistics
-- Total of 1 flow:
Average throughput: 95.80 Mbit/s
95th percentile per-packet one-way delay: 24.780 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 95.80 Mbit/s
95th percentile per-packet one-way delay: 24.780 ms
Loss rate: 0.13%

Run 4: Report of FillP — Data Link

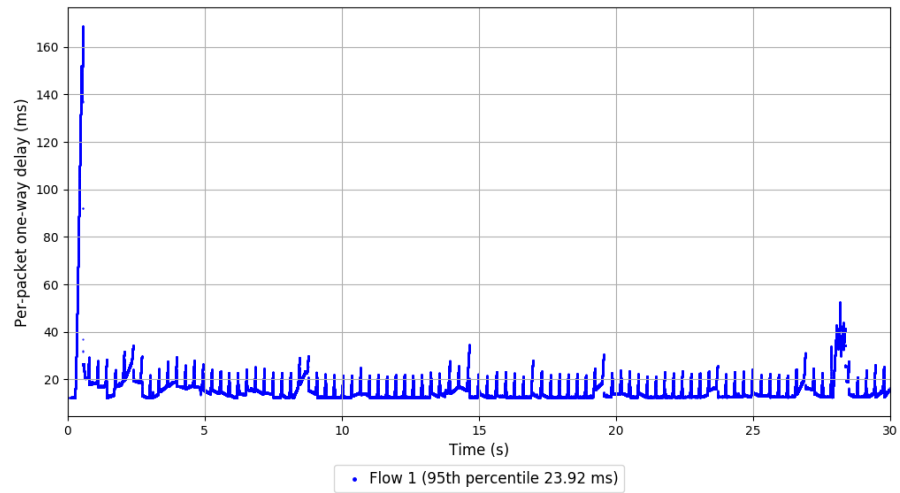
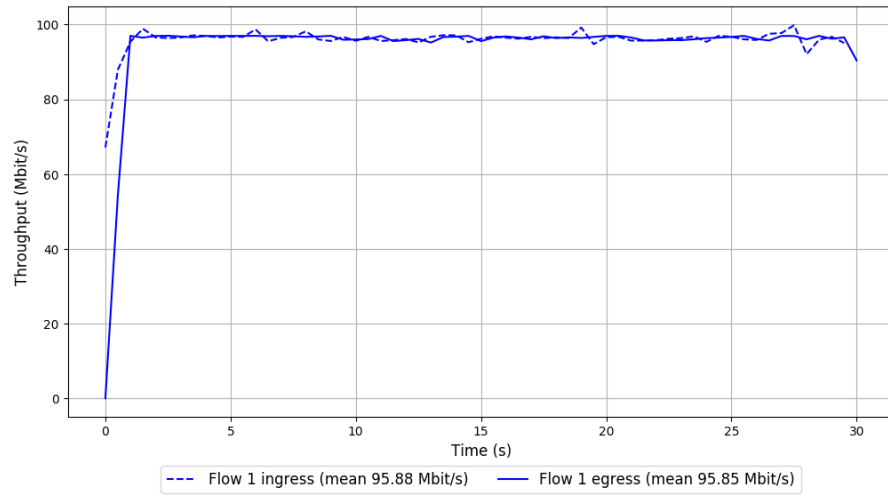


Run 5: Statistics of FillP

Start at: 2019-03-09 09:18:27
End at: 2019-03-09 09:18:57
Local clock offset: 3.162 ms
Remote clock offset: -0.093 ms

Below is generated by plot.py at 2019-03-09 09:46:50
Datalink statistics
-- Total of 1 flow:
Average throughput: 95.85 Mbit/s
95th percentile per-packet one-way delay: 23.924 ms
Loss rate: 0.14%
-- Flow 1:
Average throughput: 95.85 Mbit/s
95th percentile per-packet one-way delay: 23.924 ms
Loss rate: 0.14%

Run 5: Report of FillP — Data Link



Run 1: Statistics of FillP-Sheep

Start at: 2019-03-09 07:49:26

End at: 2019-03-09 07:49:56

Local clock offset: 0.552 ms

Remote clock offset: -2.801 ms

Below is generated by plot.py at 2019-03-09 09:46:50

Datalink statistics

-- Total of 1 flow:

Average throughput: 93.67 Mbit/s

95th percentile per-packet one-way delay: 17.836 ms

Loss rate: 0.10%

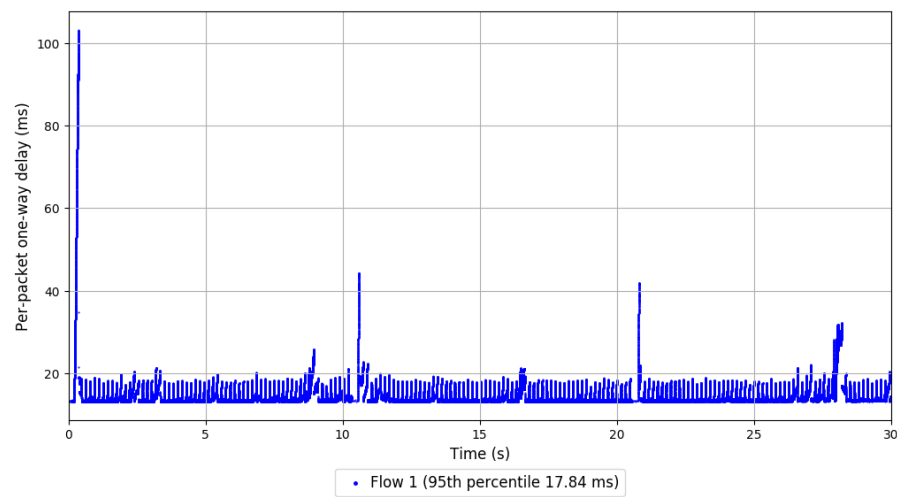
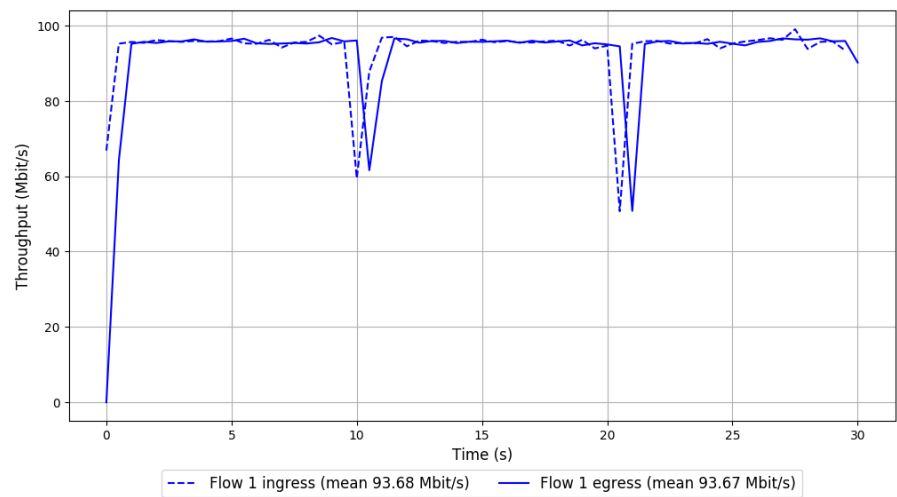
-- Flow 1:

Average throughput: 93.67 Mbit/s

95th percentile per-packet one-way delay: 17.836 ms

Loss rate: 0.10%

Run 1: Report of FillP-Sheep — Data Link

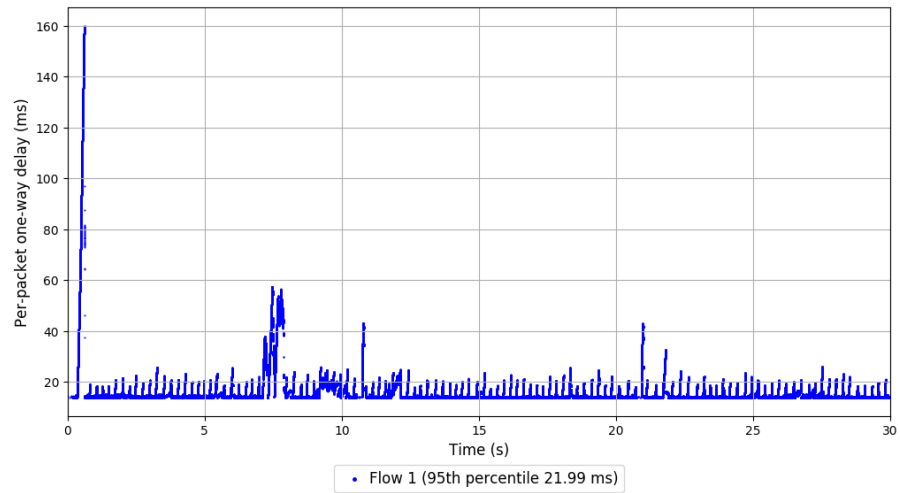
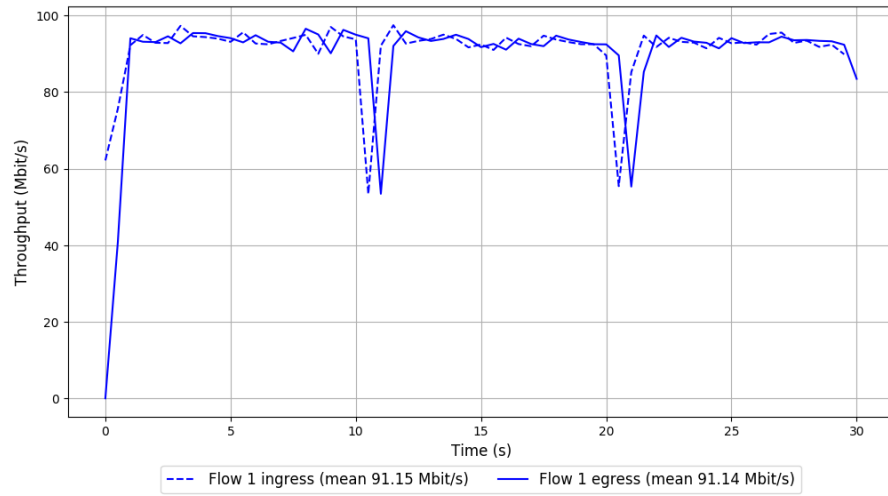


Run 2: Statistics of FillP-Sheep

Start at: 2019-03-09 08:15:04
End at: 2019-03-09 08:15:34
Local clock offset: -0.84 ms
Remote clock offset: -1.452 ms

Below is generated by plot.py at 2019-03-09 09:46:50
Datalink statistics
-- Total of 1 flow:
Average throughput: 91.14 Mbit/s
95th percentile per-packet one-way delay: 21.988 ms
Loss rate: 0.17%
-- Flow 1:
Average throughput: 91.14 Mbit/s
95th percentile per-packet one-way delay: 21.988 ms
Loss rate: 0.17%

Run 2: Report of FillP-Sheep — Data Link

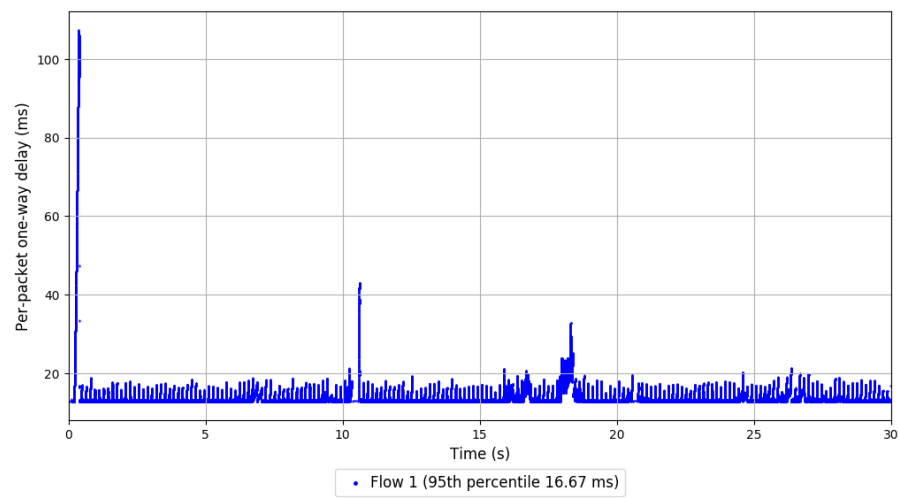
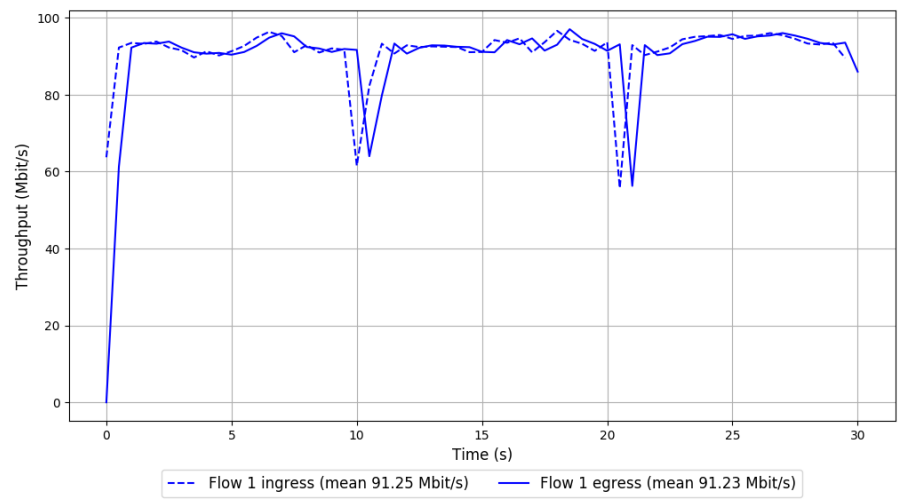


Run 3: Statistics of FillP-Sheep

Start at: 2019-03-09 08:40:15
End at: 2019-03-09 08:40:45
Local clock offset: -0.616 ms
Remote clock offset: -2.158 ms

Below is generated by plot.py at 2019-03-09 09:46:50
Datalink statistics
-- Total of 1 flow:
Average throughput: 91.23 Mbit/s
95th percentile per-packet one-way delay: 16.672 ms
Loss rate: 0.11%
-- Flow 1:
Average throughput: 91.23 Mbit/s
95th percentile per-packet one-way delay: 16.672 ms
Loss rate: 0.11%

Run 3: Report of FillP-Sheep — Data Link

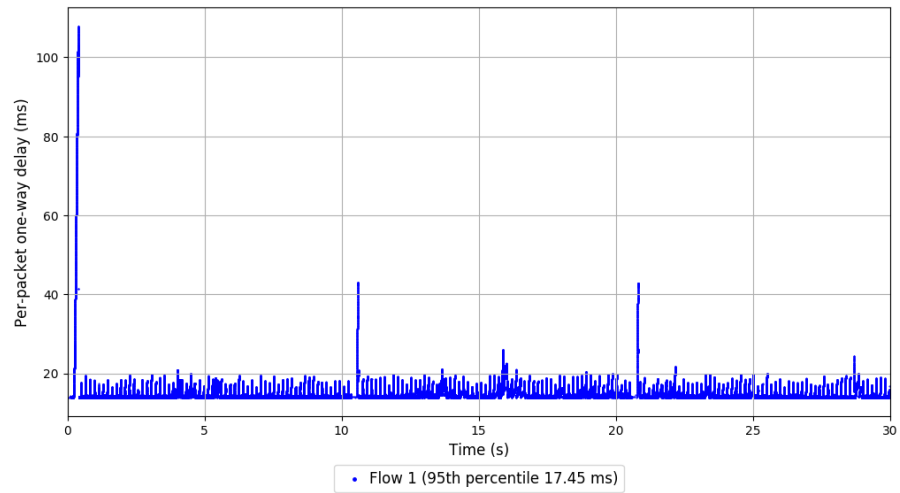
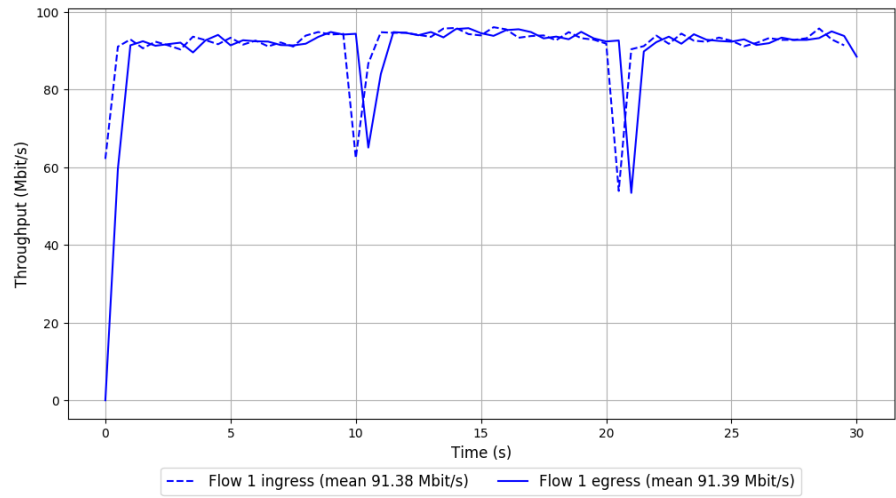


Run 4: Statistics of FillP-Sheep

Start at: 2019-03-09 09:05:28
End at: 2019-03-09 09:05:58
Local clock offset: 3.968 ms
Remote clock offset: -3.372 ms

Below is generated by plot.py at 2019-03-09 09:47:21
Datalink statistics
-- Total of 1 flow:
Average throughput: 91.39 Mbit/s
95th percentile per-packet one-way delay: 17.447 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 91.39 Mbit/s
95th percentile per-packet one-way delay: 17.447 ms
Loss rate: 0.10%

Run 4: Report of FillP-Sheep — Data Link

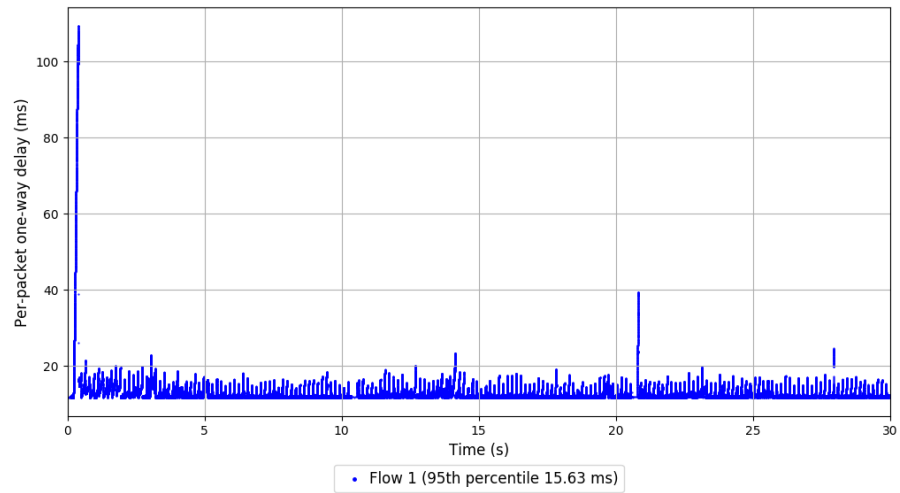
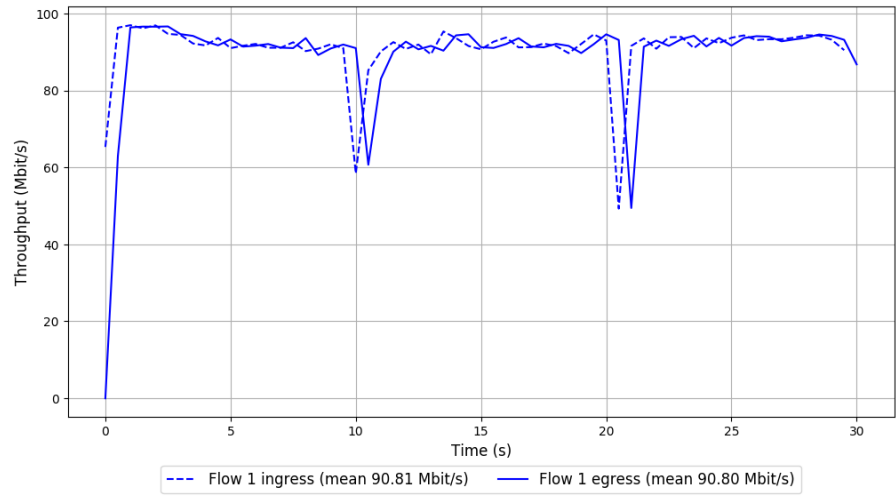


Run 5: Statistics of FillP-Sheep

Start at: 2019-03-09 09:30:28
End at: 2019-03-09 09:30:59
Local clock offset: -0.826 ms
Remote clock offset: 0.291 ms

Below is generated by plot.py at 2019-03-09 09:47:29
Datalink statistics
-- Total of 1 flow:
Average throughput: 90.80 Mbit/s
95th percentile per-packet one-way delay: 15.632 ms
Loss rate: 0.11%
-- Flow 1:
Average throughput: 90.80 Mbit/s
95th percentile per-packet one-way delay: 15.632 ms
Loss rate: 0.11%

Run 5: Report of FillP-Sheep — Data Link



Run 1: Statistics of Indigo

Start at: 2019-03-09 07:35:46

End at: 2019-03-09 07:36:16

Local clock offset: 2.244 ms

Remote clock offset: -3.095 ms

Below is generated by plot.py at 2019-03-09 09:47:29

Datalink statistics

-- Total of 1 flow:

Average throughput: 85.30 Mbit/s

95th percentile per-packet one-way delay: 15.827 ms

Loss rate: 0.11%

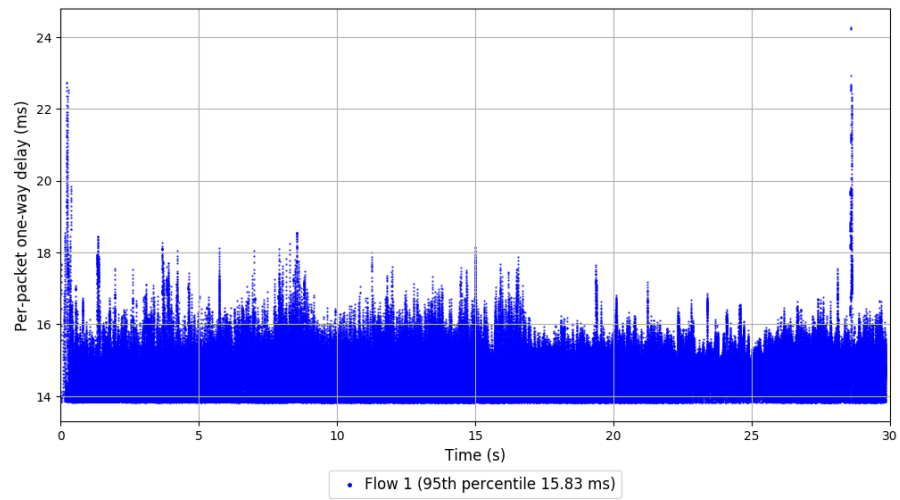
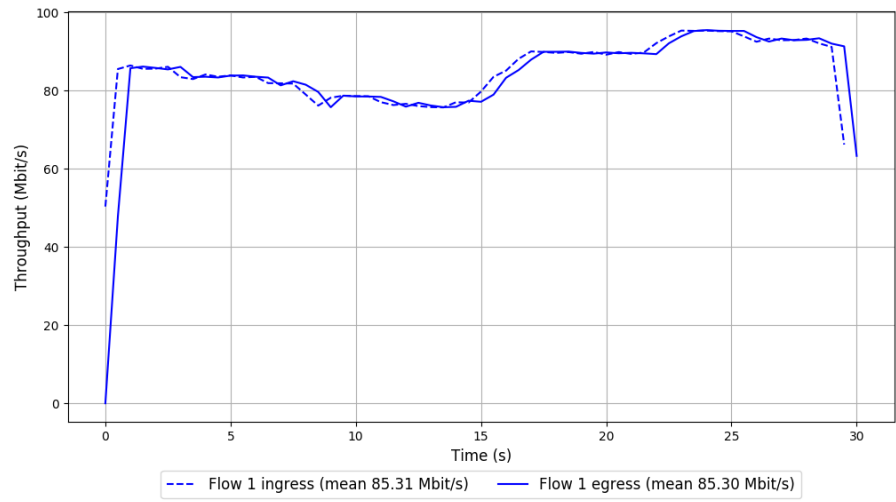
-- Flow 1:

Average throughput: 85.30 Mbit/s

95th percentile per-packet one-way delay: 15.827 ms

Loss rate: 0.11%

Run 1: Report of Indigo — Data Link

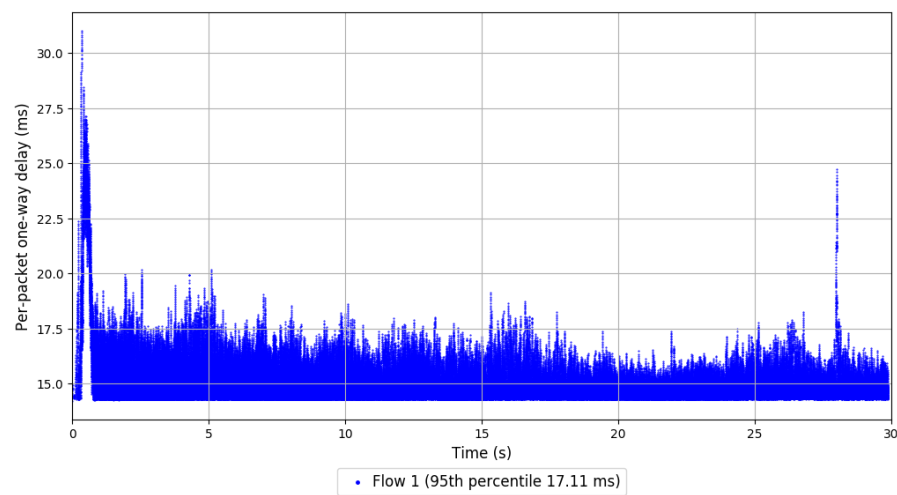
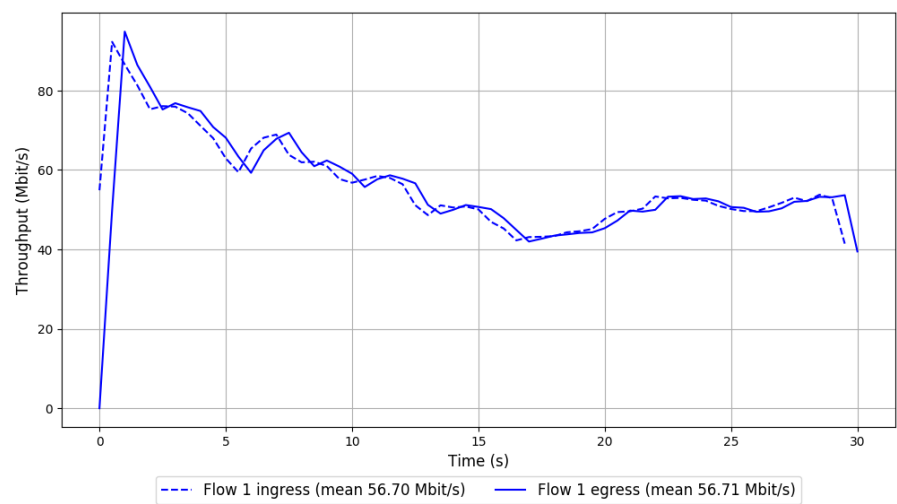


Run 2: Statistics of Indigo

Start at: 2019-03-09 08:01:20
End at: 2019-03-09 08:01:50
Local clock offset: -0.951 ms
Remote clock offset: -1.999 ms

Below is generated by plot.py at 2019-03-09 09:47:29
Datalink statistics
-- Total of 1 flow:
Average throughput: 56.71 Mbit/s
95th percentile per-packet one-way delay: 17.113 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 56.71 Mbit/s
95th percentile per-packet one-way delay: 17.113 ms
Loss rate: 0.09%

Run 2: Report of Indigo — Data Link



Run 3: Statistics of Indigo

Start at: 2019-03-09 08:26:43

End at: 2019-03-09 08:27:13

Local clock offset: 1.627 ms

Remote clock offset: -1.871 ms

Below is generated by plot.py at 2019-03-09 09:47:29

Datalink statistics

-- Total of 1 flow:

Average throughput: 15.51 Mbit/s

95th percentile per-packet one-way delay: 18.997 ms

Loss rate: 0.04%

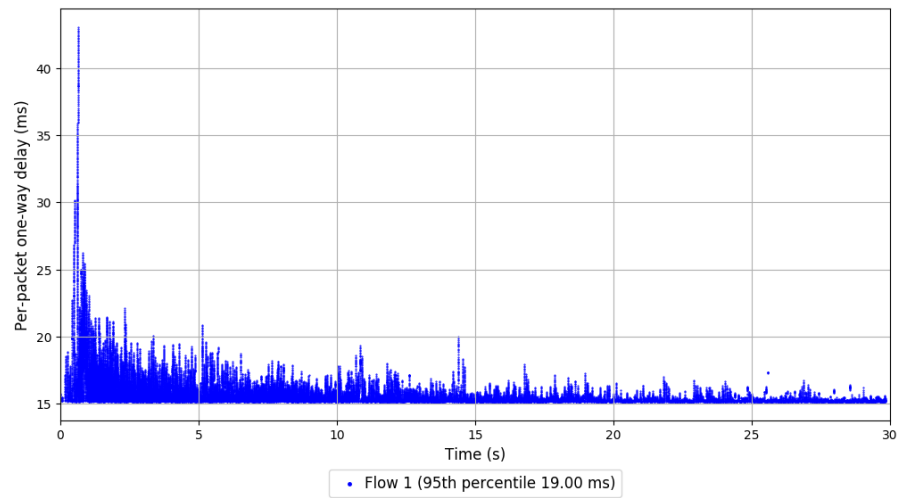
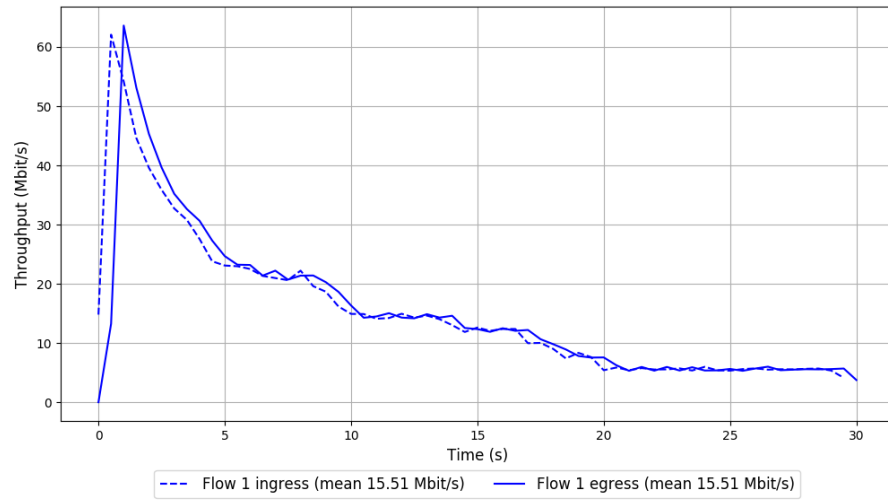
-- Flow 1:

Average throughput: 15.51 Mbit/s

95th percentile per-packet one-way delay: 18.997 ms

Loss rate: 0.04%

Run 3: Report of Indigo — Data Link

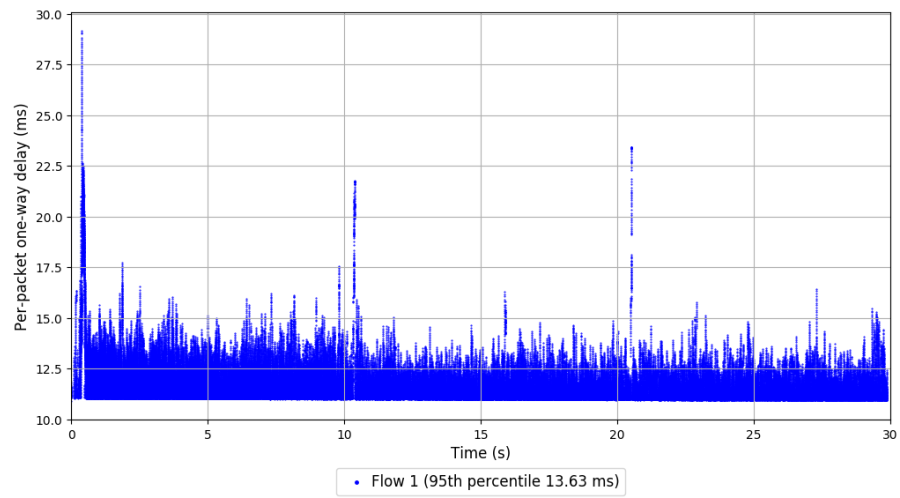
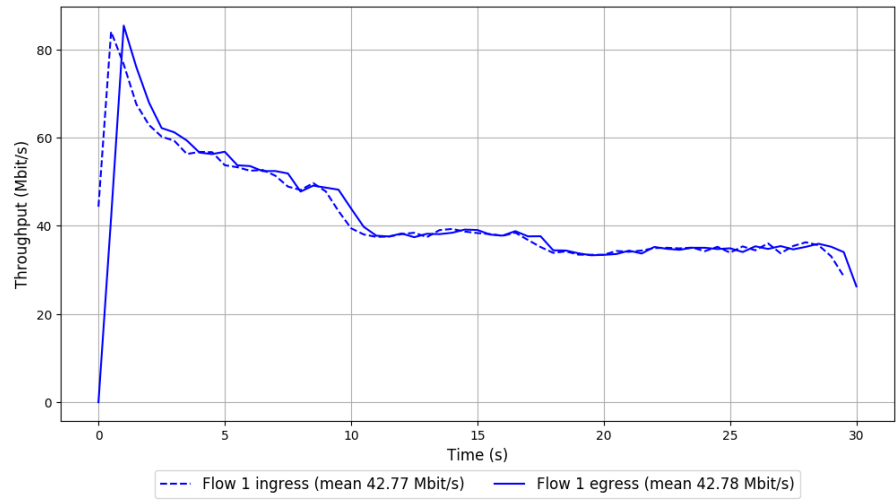


Run 4: Statistics of Indigo

Start at: 2019-03-09 08:52:20
End at: 2019-03-09 08:52:50
Local clock offset: 2.484 ms
Remote clock offset: -0.085 ms

Below is generated by plot.py at 2019-03-09 09:47:29
Datalink statistics
-- Total of 1 flow:
Average throughput: 42.78 Mbit/s
95th percentile per-packet one-way delay: 13.629 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 42.78 Mbit/s
95th percentile per-packet one-way delay: 13.629 ms
Loss rate: 0.09%

Run 4: Report of Indigo — Data Link

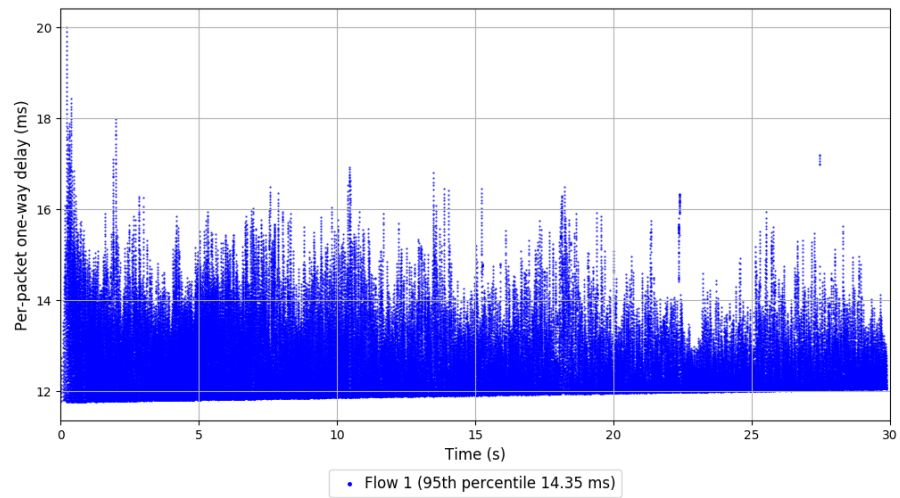
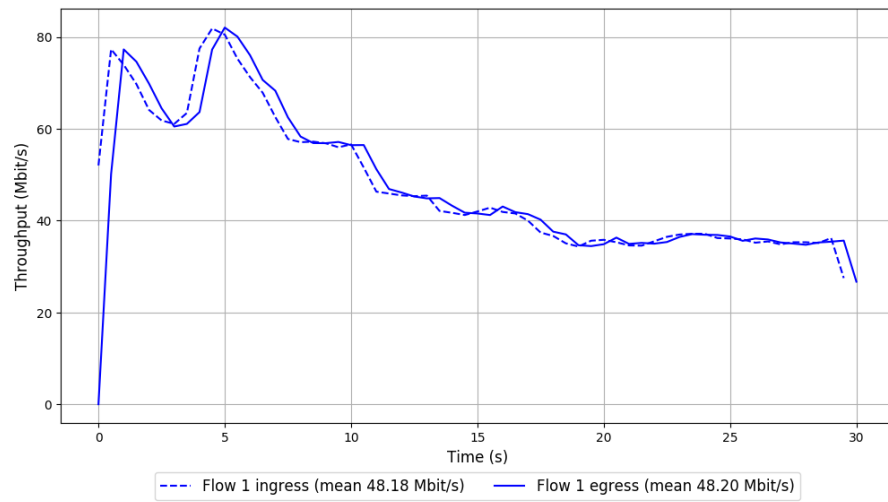


Run 5: Statistics of Indigo

Start at: 2019-03-09 09:17:15
End at: 2019-03-09 09:17:45
Local clock offset: 2.37 ms
Remote clock offset: -0.882 ms

Below is generated by plot.py at 2019-03-09 09:47:29
Datalink statistics
-- Total of 1 flow:
Average throughput: 48.20 Mbit/s
95th percentile per-packet one-way delay: 14.350 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 48.20 Mbit/s
95th percentile per-packet one-way delay: 14.350 ms
Loss rate: 0.07%

Run 5: Report of Indigo — Data Link



Run 1: Statistics of Indigo-MusesC3

Start at: 2019-03-09 07:48:14

End at: 2019-03-09 07:48:44

Local clock offset: 0.572 ms

Remote clock offset: -0.641 ms

Below is generated by plot.py at 2019-03-09 09:47:48

Datalink statistics

-- Total of 1 flow:

Average throughput: 78.09 Mbit/s

95th percentile per-packet one-way delay: 12.583 ms

Loss rate: 0.07%

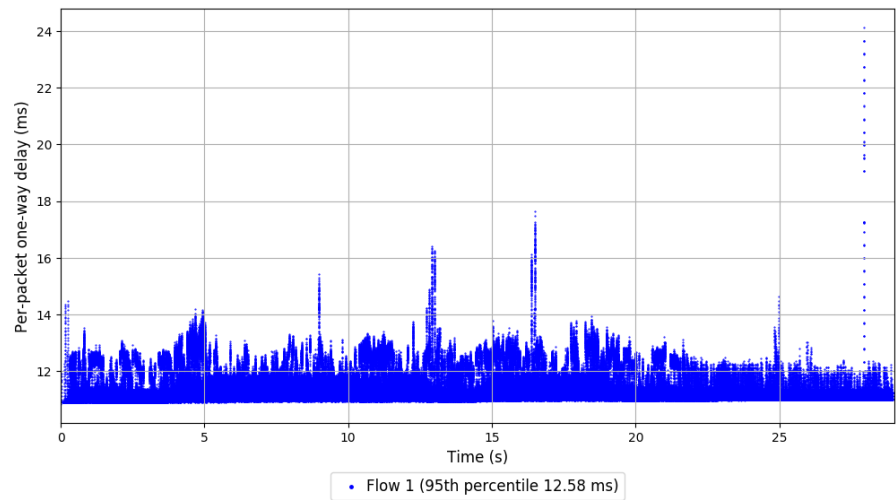
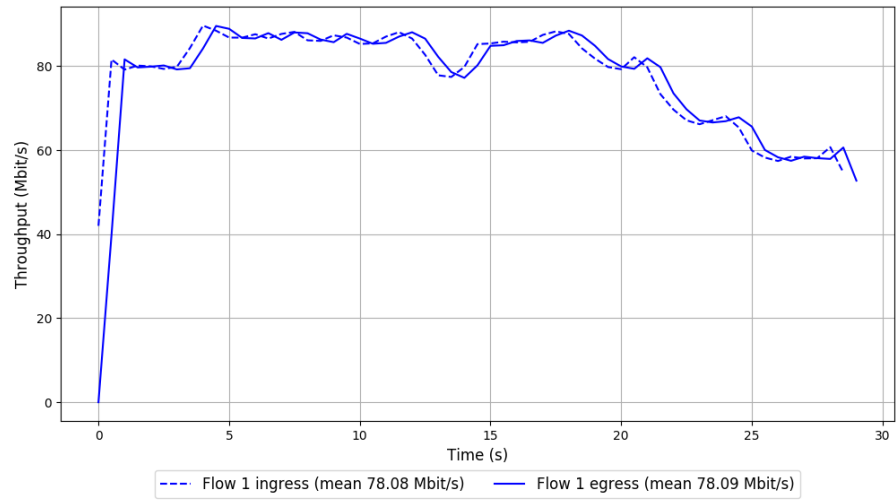
-- Flow 1:

Average throughput: 78.09 Mbit/s

95th percentile per-packet one-way delay: 12.583 ms

Loss rate: 0.07%

Run 1: Report of Indigo-MusesC3 — Data Link

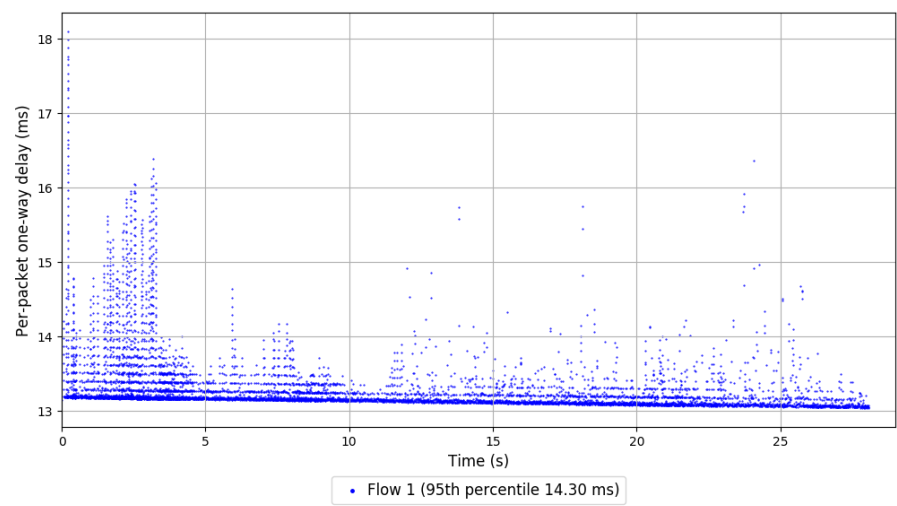
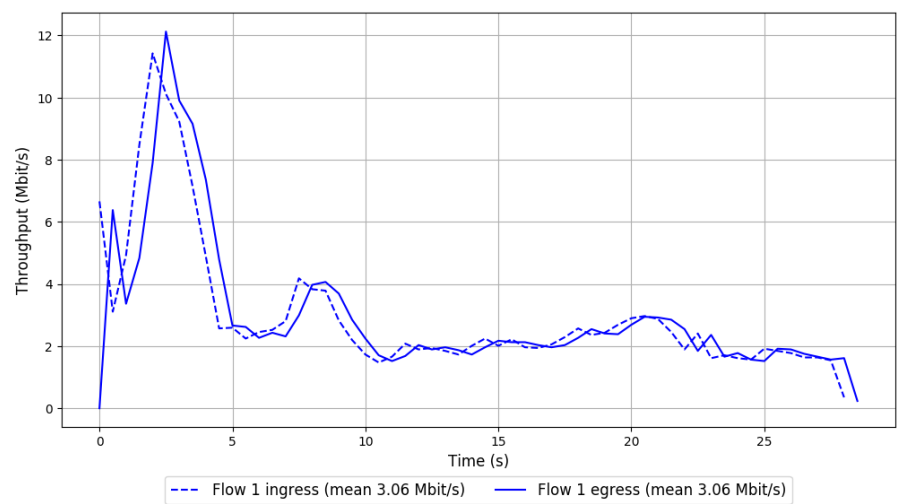


Run 2: Statistics of Indigo-MusesC3

Start at: 2019-03-09 08:13:56
End at: 2019-03-09 08:14:27
Local clock offset: -1.471 ms
Remote clock offset: -0.865 ms

Below is generated by plot.py at 2019-03-09 09:47:48
Datalink statistics
-- Total of 1 flow:
Average throughput: 3.06 Mbit/s
95th percentile per-packet one-way delay: 14.302 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 3.06 Mbit/s
95th percentile per-packet one-way delay: 14.302 ms
Loss rate: 0.10%

Run 2: Report of Indigo-MusesC3 — Data Link

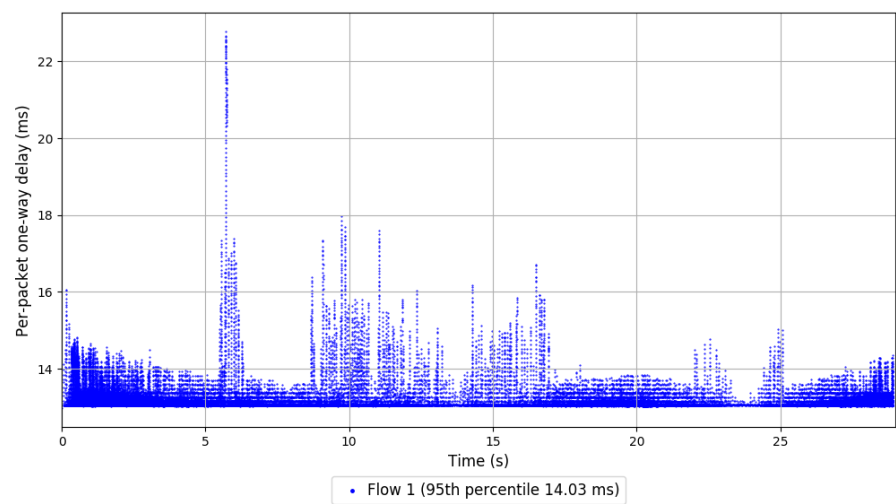
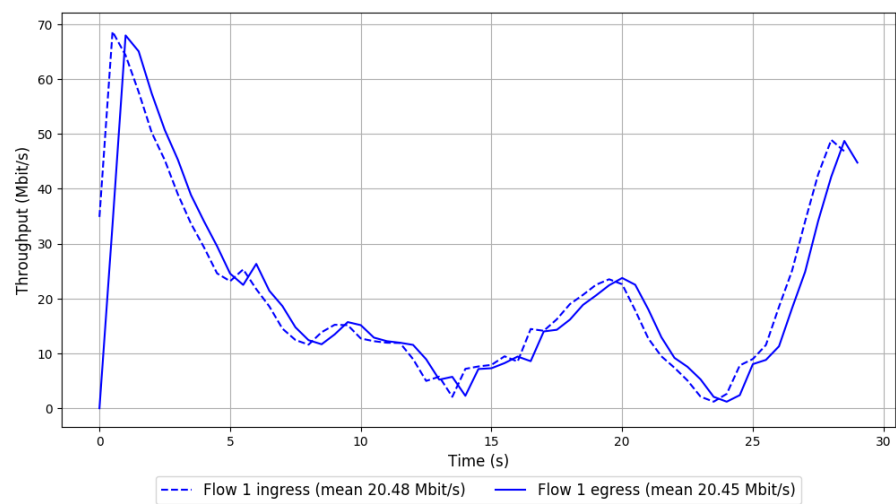


Run 3: Statistics of Indigo-MusesC3

Start at: 2019-03-09 08:39:09
End at: 2019-03-09 08:39:39
Local clock offset: 1.584 ms
Remote clock offset: -0.134 ms

Below is generated by plot.py at 2019-03-09 09:47:48
Datalink statistics
-- Total of 1 flow:
Average throughput: 20.45 Mbit/s
95th percentile per-packet one-way delay: 14.025 ms
Loss rate: 0.30%
-- Flow 1:
Average throughput: 20.45 Mbit/s
95th percentile per-packet one-way delay: 14.025 ms
Loss rate: 0.30%

Run 3: Report of Indigo-MusesC3 — Data Link



Run 4: Statistics of Indigo-MusesC3

Start at: 2019-03-09 09:04:20

End at: 2019-03-09 09:04:50

Local clock offset: 5.064 ms

Remote clock offset: -0.44 ms

Below is generated by plot.py at 2019-03-09 09:47:48

Datalink statistics

-- Total of 1 flow:

Average throughput: 40.92 Mbit/s

95th percentile per-packet one-way delay: 13.089 ms

Loss rate: 0.07%

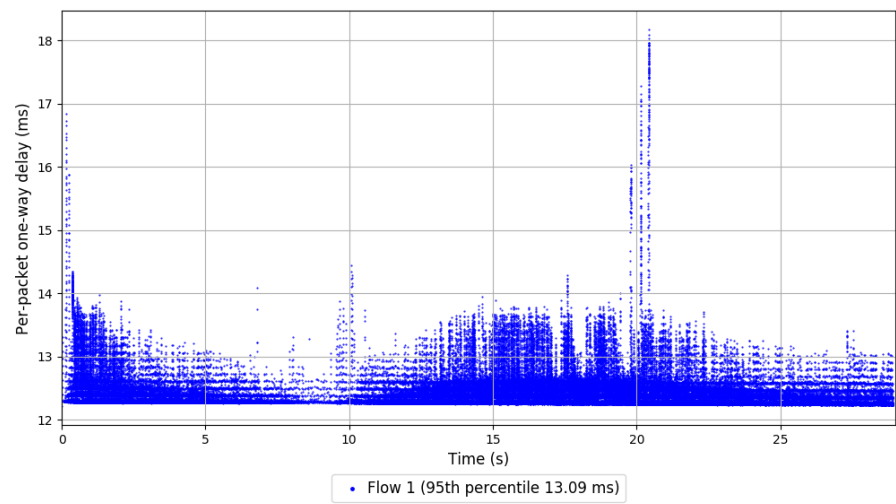
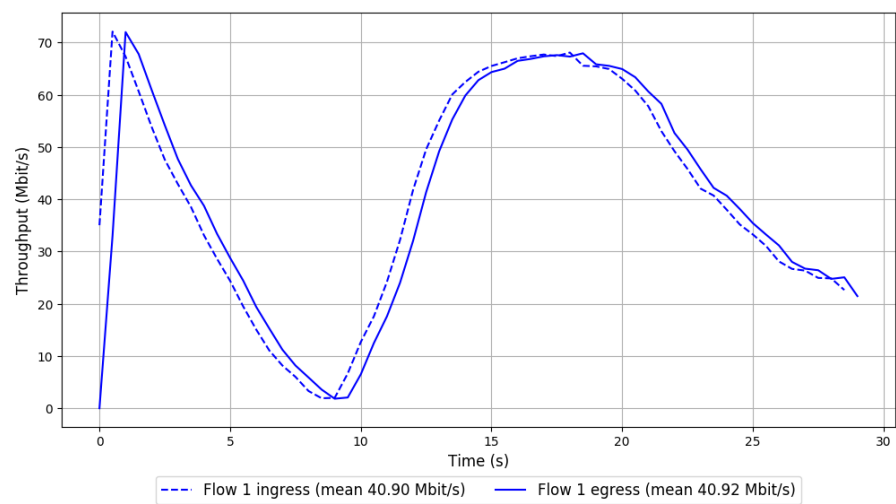
-- Flow 1:

Average throughput: 40.92 Mbit/s

95th percentile per-packet one-way delay: 13.089 ms

Loss rate: 0.07%

Run 4: Report of Indigo-MusesC3 — Data Link

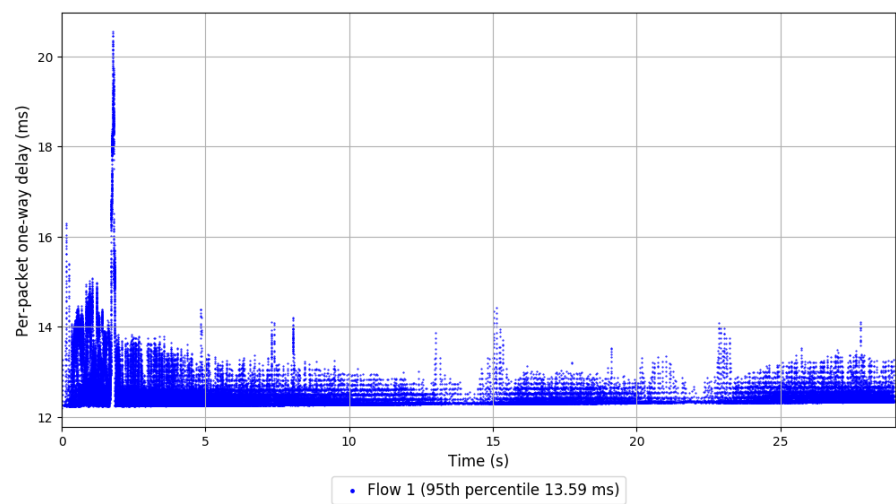
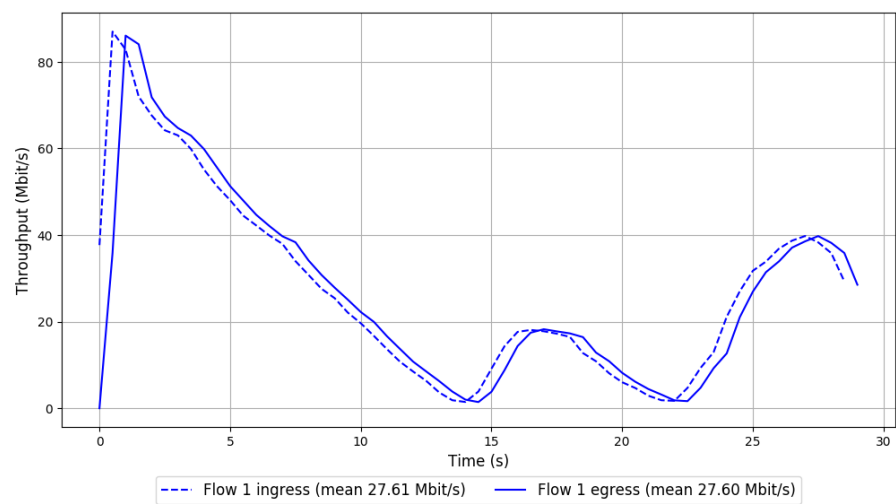


Run 5: Statistics of Indigo-MusesC3

Start at: 2019-03-09 09:29:22
End at: 2019-03-09 09:29:52
Local clock offset: -2.209 ms
Remote clock offset: -1.748 ms

Below is generated by plot.py at 2019-03-09 09:47:48
Datalink statistics
-- Total of 1 flow:
Average throughput: 27.60 Mbit/s
95th percentile per-packet one-way delay: 13.591 ms
Loss rate: 0.11%
-- Flow 1:
Average throughput: 27.60 Mbit/s
95th percentile per-packet one-way delay: 13.591 ms
Loss rate: 0.11%

Run 5: Report of Indigo-MusesC3 — Data Link

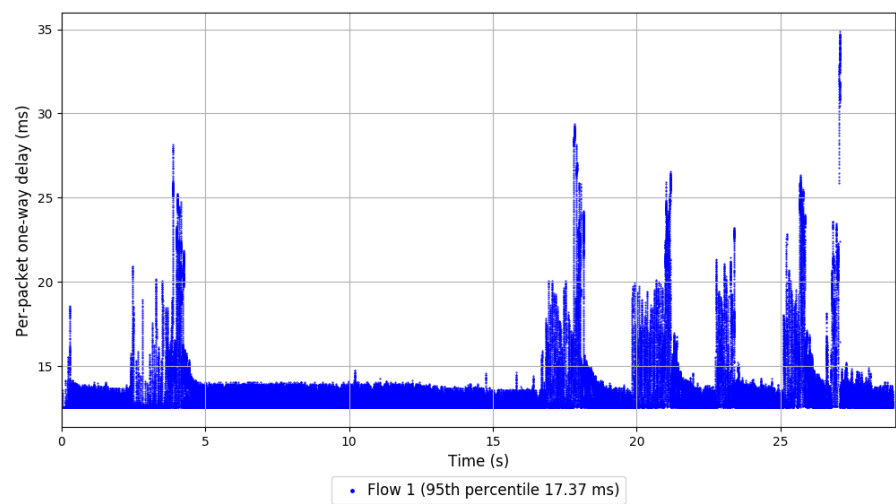
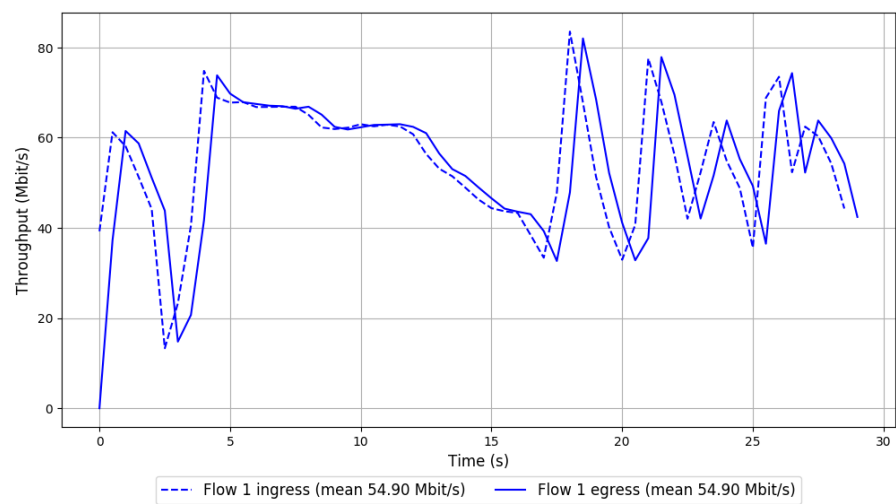


Run 1: Statistics of Indigo-MusesC5

Start at: 2019-03-09 07:56:36
End at: 2019-03-09 07:57:06
Local clock offset: -0.542 ms
Remote clock offset: -1.708 ms

Below is generated by plot.py at 2019-03-09 09:48:02
Datalink statistics
-- Total of 1 flow:
Average throughput: 54.90 Mbit/s
95th percentile per-packet one-way delay: 17.366 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 54.90 Mbit/s
95th percentile per-packet one-way delay: 17.366 ms
Loss rate: 0.10%

Run 1: Report of Indigo-MusesC5 — Data Link

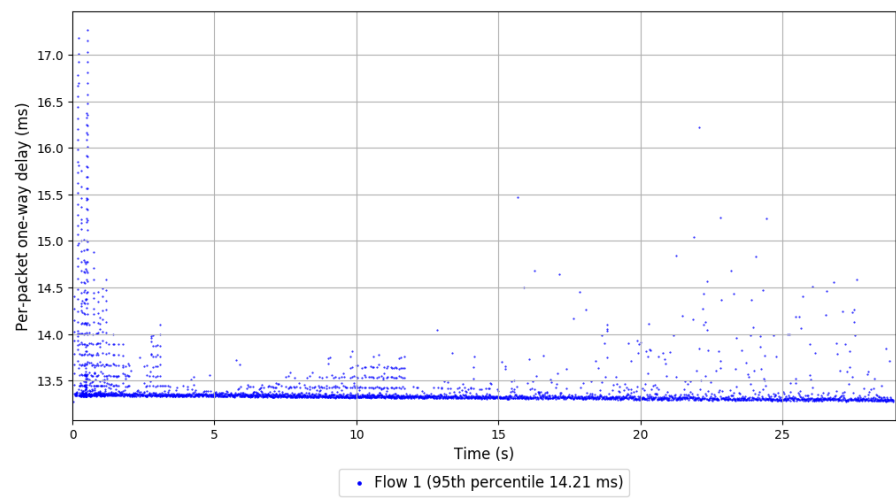
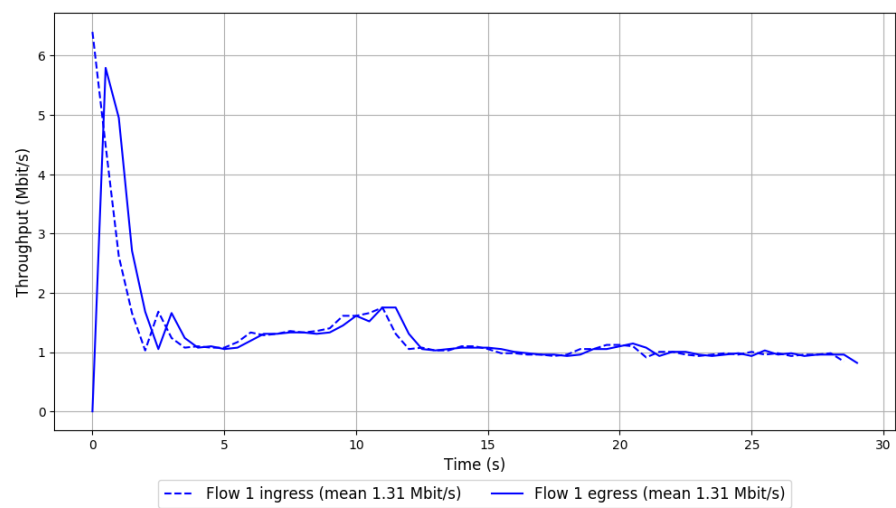


Run 2: Statistics of Indigo-MusesC5

Start at: 2019-03-09 08:22:02
End at: 2019-03-09 08:22:32
Local clock offset: -0.342 ms
Remote clock offset: -1.537 ms

Below is generated by plot.py at 2019-03-09 09:48:02
Datalink statistics
-- Total of 1 flow:
Average throughput: 1.31 Mbit/s
95th percentile per-packet one-way delay: 14.206 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 1.31 Mbit/s
95th percentile per-packet one-way delay: 14.206 ms
Loss rate: 0.09%

Run 2: Report of Indigo-MusesC5 — Data Link

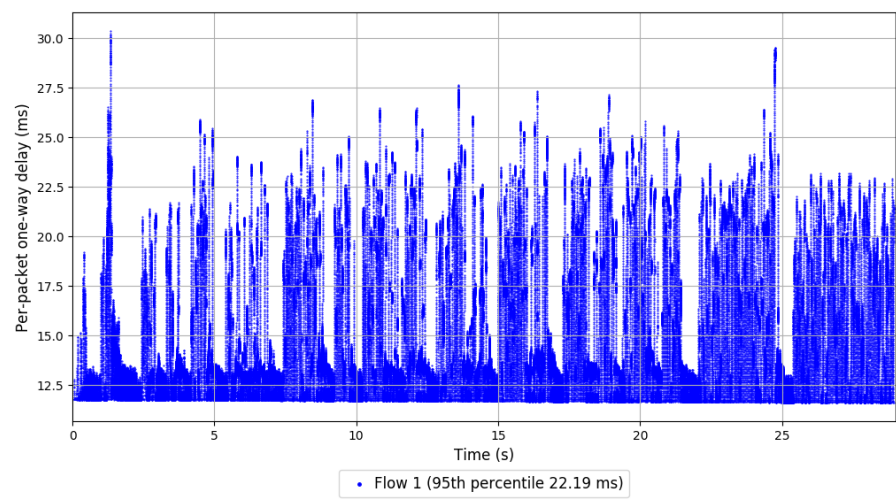
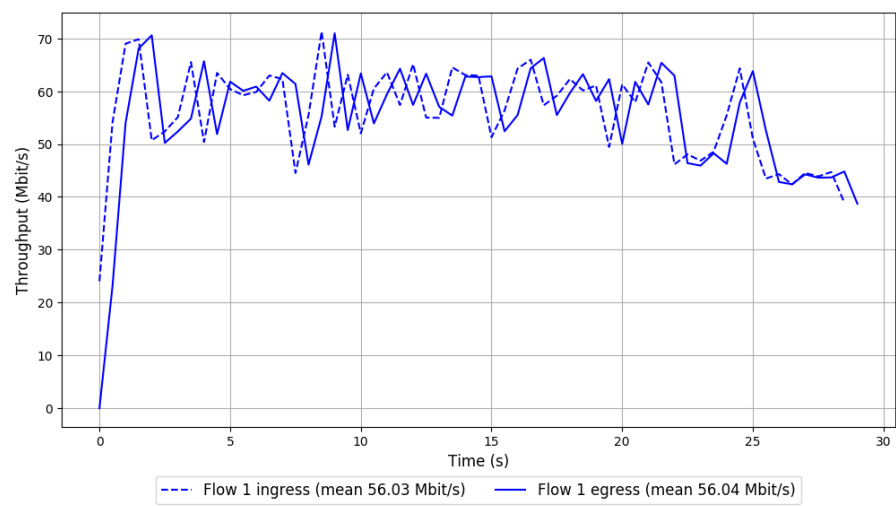


Run 3: Statistics of Indigo-MusesC5

Start at: 2019-03-09 08:47:29
End at: 2019-03-09 08:47:59
Local clock offset: 1.406 ms
Remote clock offset: -0.602 ms

Below is generated by plot.py at 2019-03-09 09:48:05
Datalink statistics
-- Total of 1 flow:
Average throughput: 56.04 Mbit/s
95th percentile per-packet one-way delay: 22.186 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 56.04 Mbit/s
95th percentile per-packet one-way delay: 22.186 ms
Loss rate: 0.07%

Run 3: Report of Indigo-MusesC5 — Data Link



Run 4: Statistics of Indigo-MusesC5

Start at: 2019-03-09 09:12:42

End at: 2019-03-09 09:13:12

Local clock offset: 5.841 ms

Remote clock offset: -1.306 ms

Below is generated by plot.py at 2019-03-09 09:48:05

Datalink statistics

-- Total of 1 flow:

Average throughput: 31.52 Mbit/s

95th percentile per-packet one-way delay: 14.475 ms

Loss rate: 0.12%

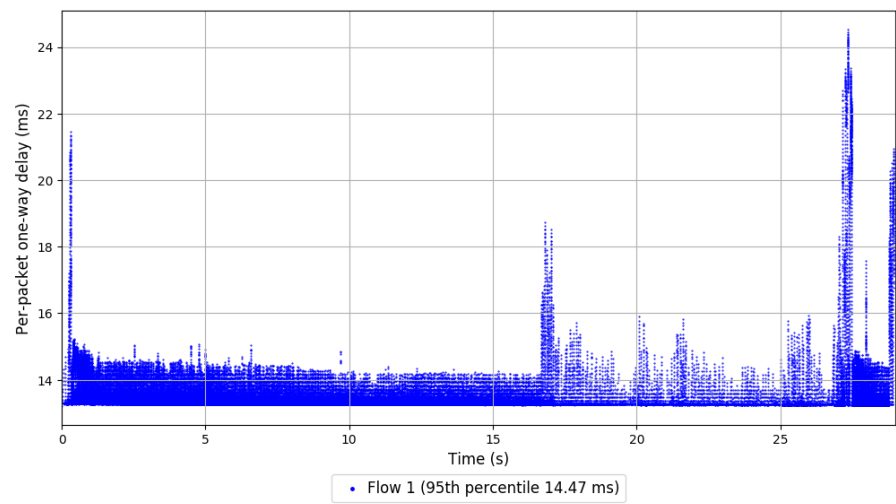
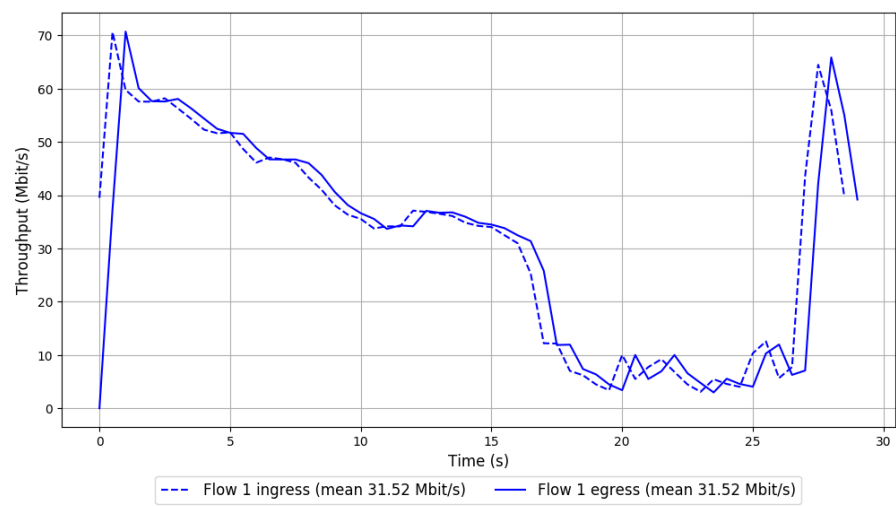
-- Flow 1:

Average throughput: 31.52 Mbit/s

95th percentile per-packet one-way delay: 14.475 ms

Loss rate: 0.12%

Run 4: Report of Indigo-MusesC5 — Data Link

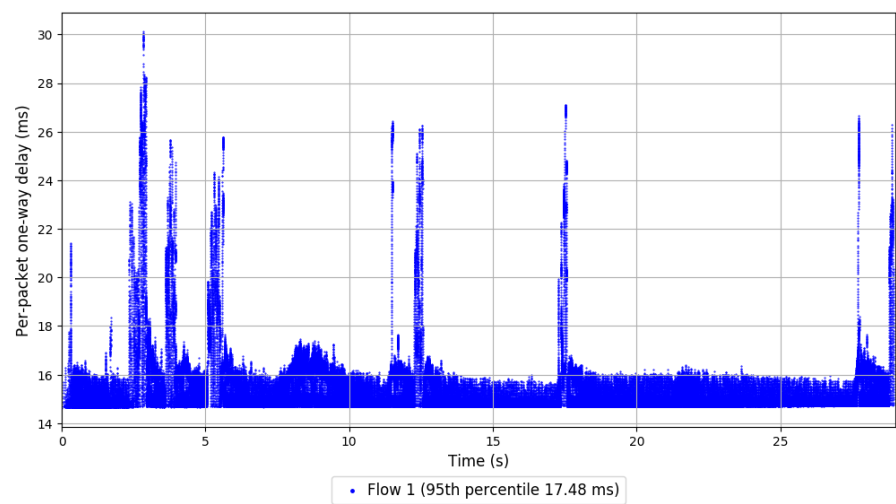
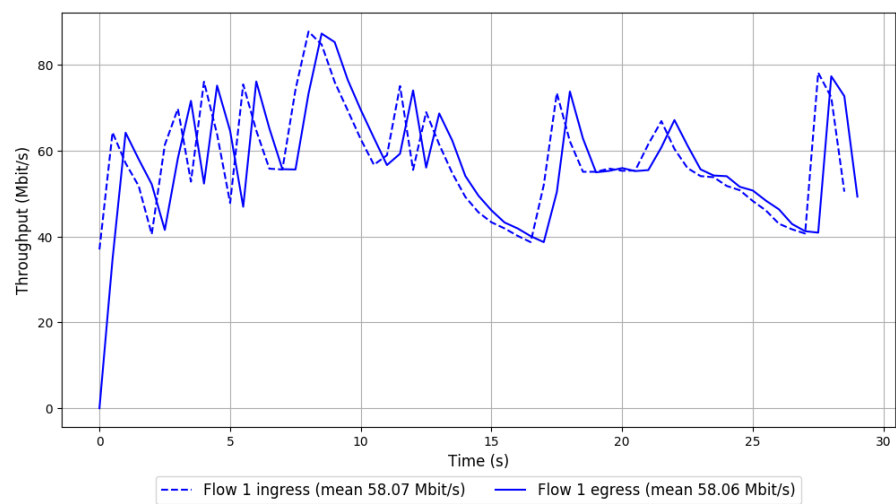


Run 5: Statistics of Indigo-MusesC5

Start at: 2019-03-09 09:37:48
End at: 2019-03-09 09:38:18
Local clock offset: -1.124 ms
Remote clock offset: -2.014 ms

Below is generated by plot.py at 2019-03-09 09:48:10
Datalink statistics
-- Total of 1 flow:
Average throughput: 58.06 Mbit/s
95th percentile per-packet one-way delay: 17.477 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 58.06 Mbit/s
95th percentile per-packet one-way delay: 17.477 ms
Loss rate: 0.09%

Run 5: Report of Indigo-MusesC5 — Data Link



Run 1: Statistics of Indigo-MusesD

Start at: 2019-03-09 07:59:06

End at: 2019-03-09 07:59:36

Local clock offset: -2.537 ms

Remote clock offset: -4.073 ms

Below is generated by plot.py at 2019-03-09 09:48:10

Datalink statistics

-- Total of 1 flow:

Average throughput: 33.77 Mbit/s

95th percentile per-packet one-way delay: 14.246 ms

Loss rate: 0.01%

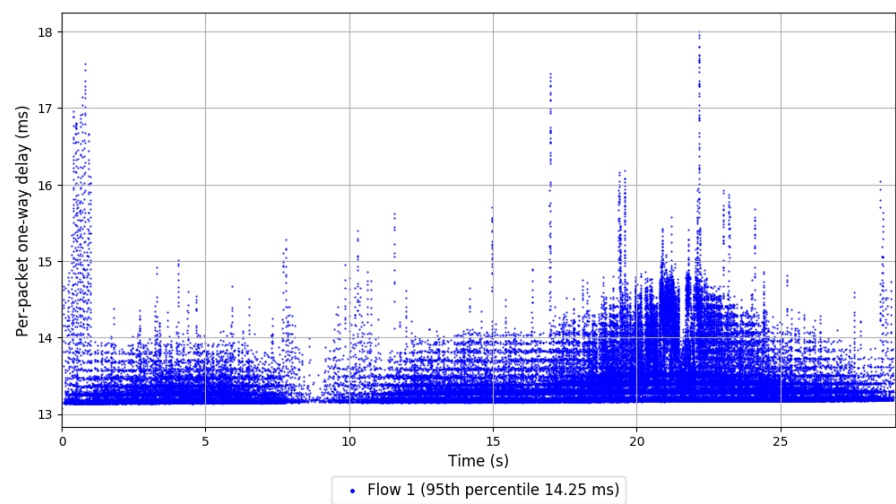
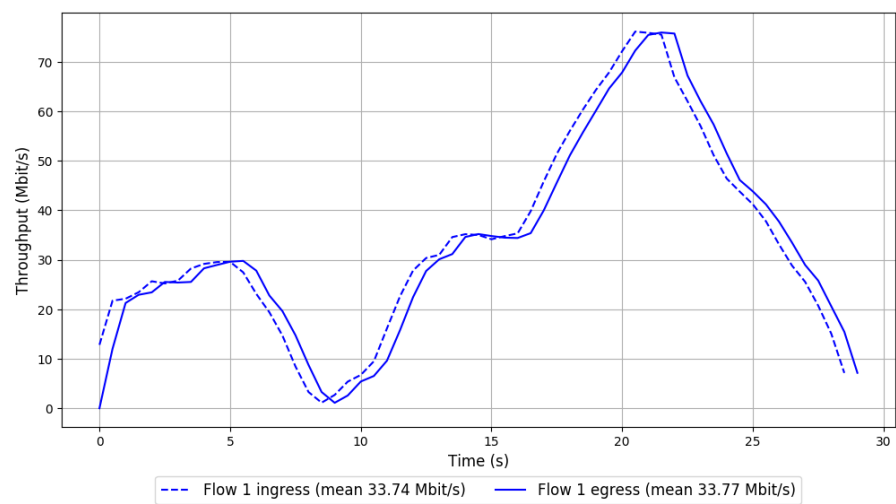
-- Flow 1:

Average throughput: 33.77 Mbit/s

95th percentile per-packet one-way delay: 14.246 ms

Loss rate: 0.01%

Run 1: Report of Indigo-MusesD — Data Link



Run 2: Statistics of Indigo-MusesD

Start at: 2019-03-09 08:24:30

End at: 2019-03-09 08:25:00

Local clock offset: -5.754 ms

Remote clock offset: -7.005 ms

Below is generated by plot.py at 2019-03-09 09:48:10

Datalink statistics

-- Total of 1 flow:

Average throughput: 2.20 Mbit/s

95th percentile per-packet one-way delay: 13.769 ms

Loss rate: 0.20%

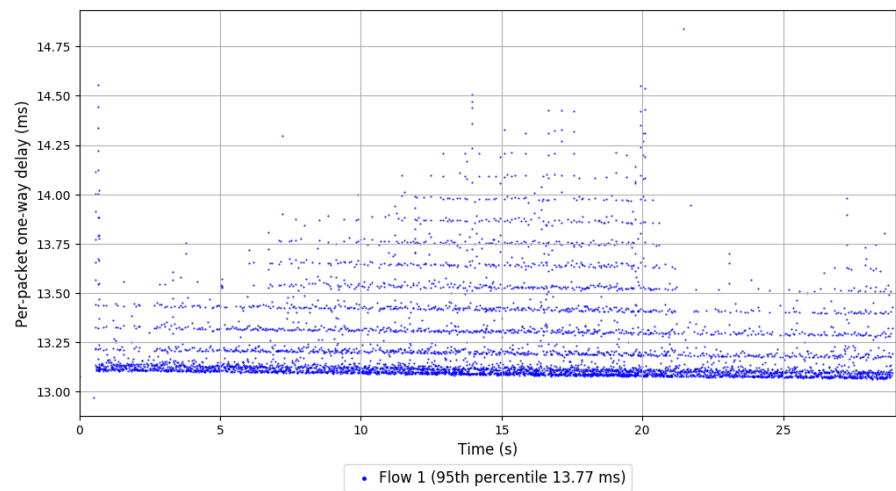
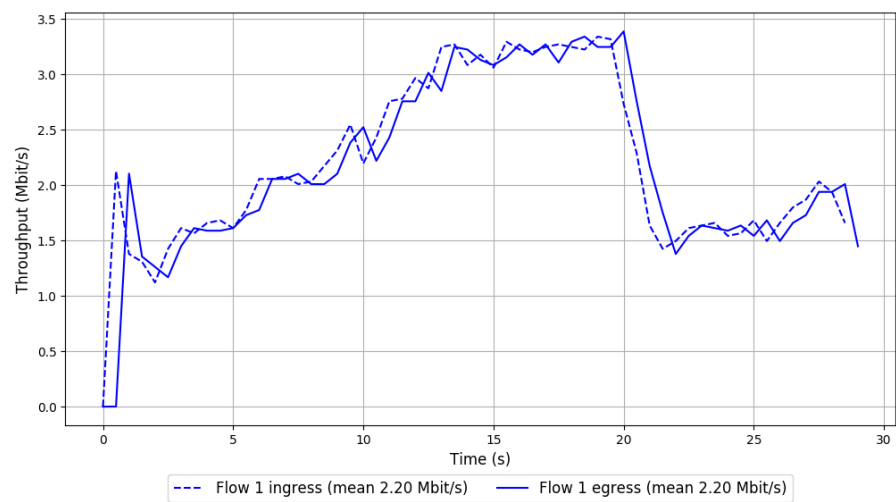
-- Flow 1:

Average throughput: 2.20 Mbit/s

95th percentile per-packet one-way delay: 13.769 ms

Loss rate: 0.20%

Run 2: Report of Indigo-MusesD — Data Link

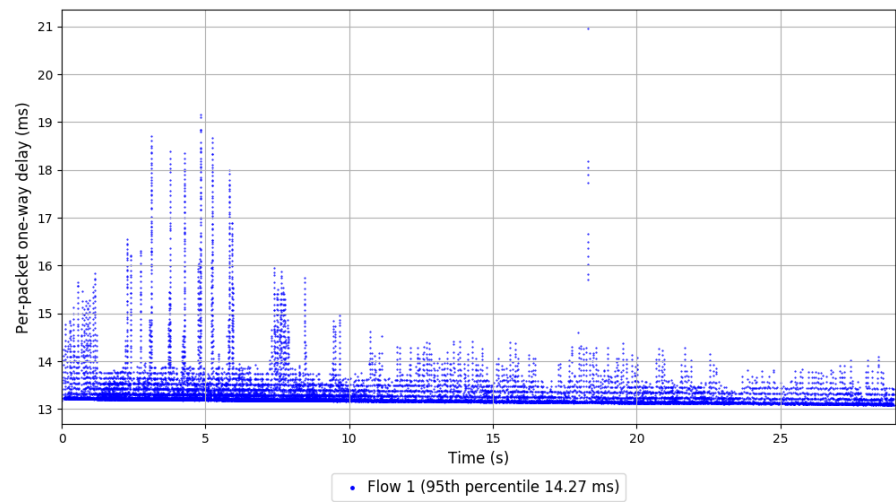
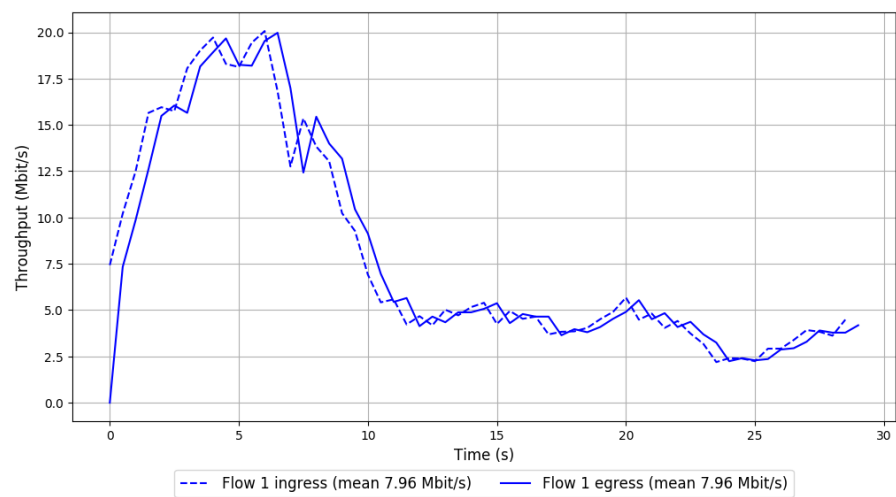


Run 3: Statistics of Indigo-MusesD

Start at: 2019-03-09 08:50:09
End at: 2019-03-09 08:50:39
Local clock offset: 3.034 ms
Remote clock offset: -1.184 ms

Below is generated by plot.py at 2019-03-09 09:48:10
Datalink statistics
-- Total of 1 flow:
Average throughput: 7.96 Mbit/s
95th percentile per-packet one-way delay: 14.268 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 7.96 Mbit/s
95th percentile per-packet one-way delay: 14.268 ms
Loss rate: 0.07%

Run 3: Report of Indigo-MusesD — Data Link



Run 4: Statistics of Indigo-MusesD

Start at: 2019-03-09 09:15:04

End at: 2019-03-09 09:15:34

Local clock offset: 4.583 ms

Remote clock offset: -0.689 ms

Below is generated by plot.py at 2019-03-09 09:48:10

Datalink statistics

-- Total of 1 flow:

Average throughput: 15.20 Mbit/s

95th percentile per-packet one-way delay: 14.794 ms

Loss rate: 0.01%

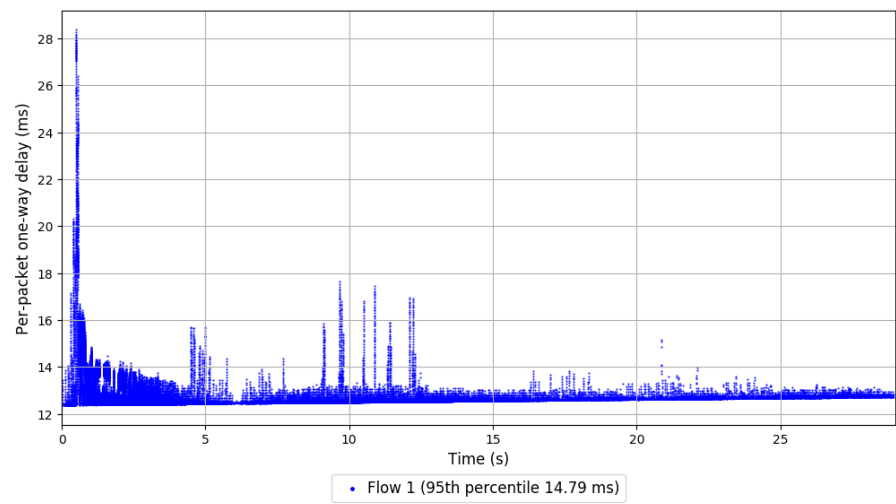
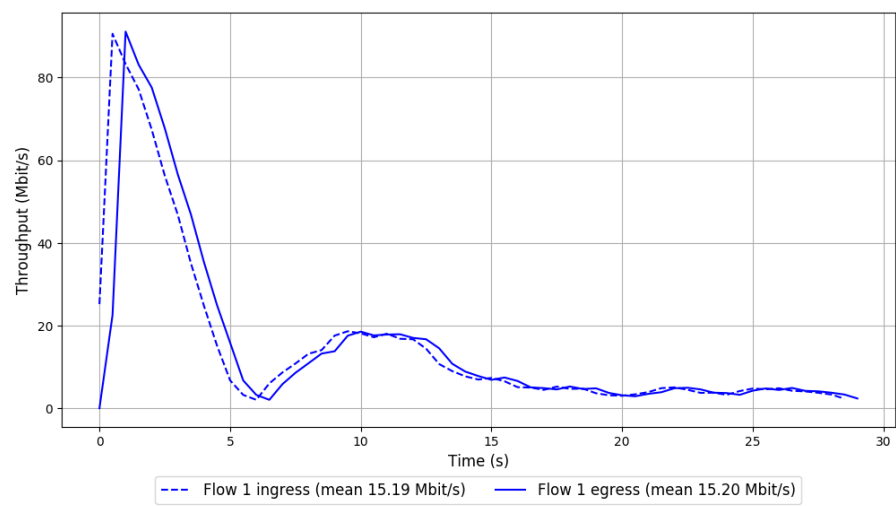
-- Flow 1:

Average throughput: 15.20 Mbit/s

95th percentile per-packet one-way delay: 14.794 ms

Loss rate: 0.01%

Run 4: Report of Indigo-MusesD — Data Link



Run 5: Statistics of Indigo-MusesD

Start at: 2019-03-09 09:40:26

End at: 2019-03-09 09:40:56

Local clock offset: -1.109 ms

Remote clock offset: 1.089 ms

Below is generated by plot.py at 2019-03-09 09:48:10

Datalink statistics

-- Total of 1 flow:

Average throughput: 29.61 Mbit/s

95th percentile per-packet one-way delay: 12.843 ms

Loss rate: 0.04%

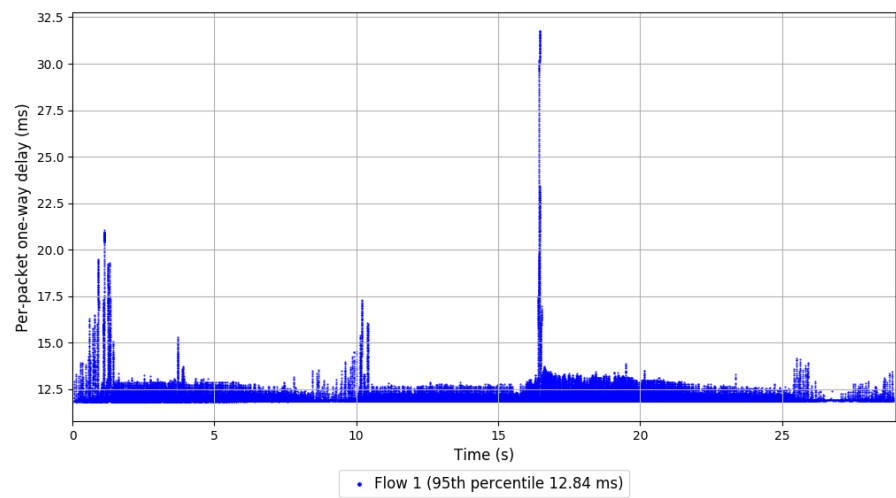
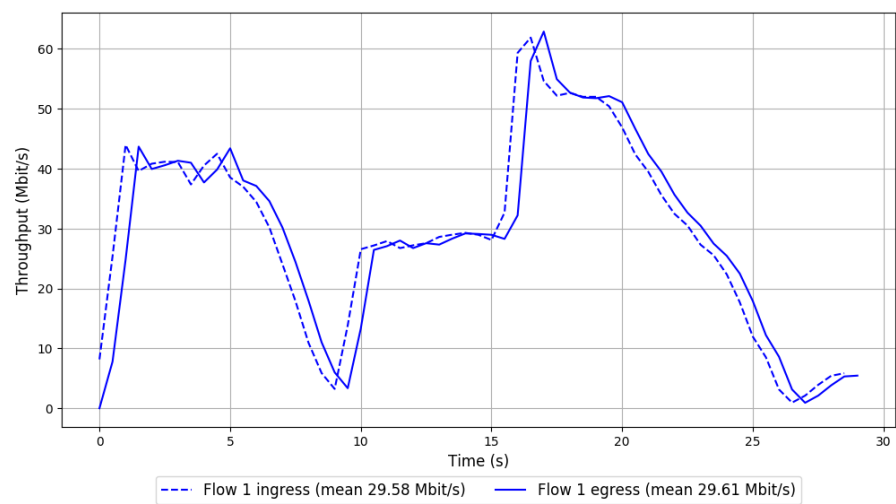
-- Flow 1:

Average throughput: 29.61 Mbit/s

95th percentile per-packet one-way delay: 12.843 ms

Loss rate: 0.04%

Run 5: Report of Indigo-MusesD — Data Link



Run 1: Statistics of Indigo-MusesT

Start at: 2019-03-09 07:45:41

End at: 2019-03-09 07:46:11

Local clock offset: 0.427 ms

Remote clock offset: -1.47 ms

Below is generated by plot.py at 2019-03-09 09:48:50

Datalink statistics

-- Total of 1 flow:

Average throughput: 89.65 Mbit/s

95th percentile per-packet one-way delay: 14.270 ms

Loss rate: 0.10%

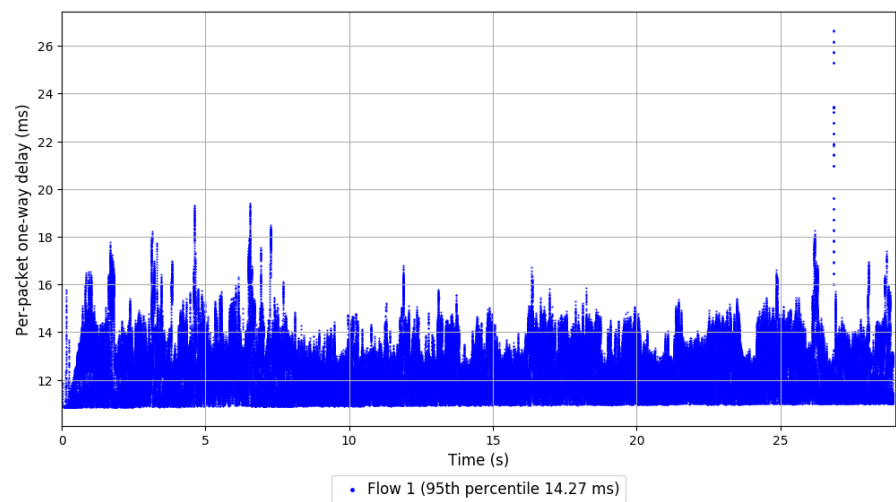
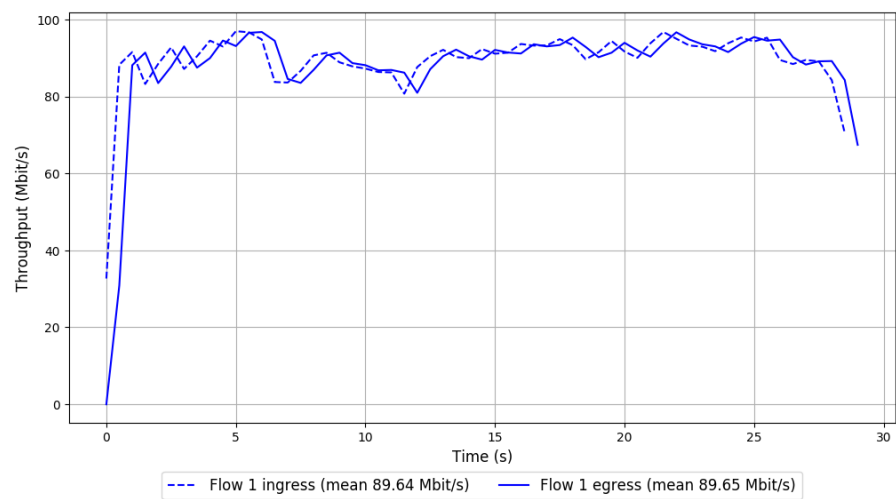
-- Flow 1:

Average throughput: 89.65 Mbit/s

95th percentile per-packet one-way delay: 14.270 ms

Loss rate: 0.10%

Run 1: Report of Indigo-MusesT — Data Link

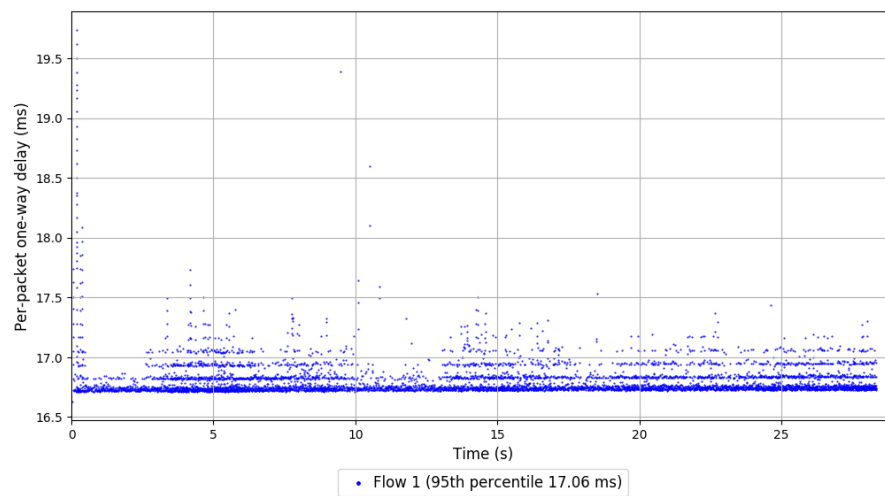
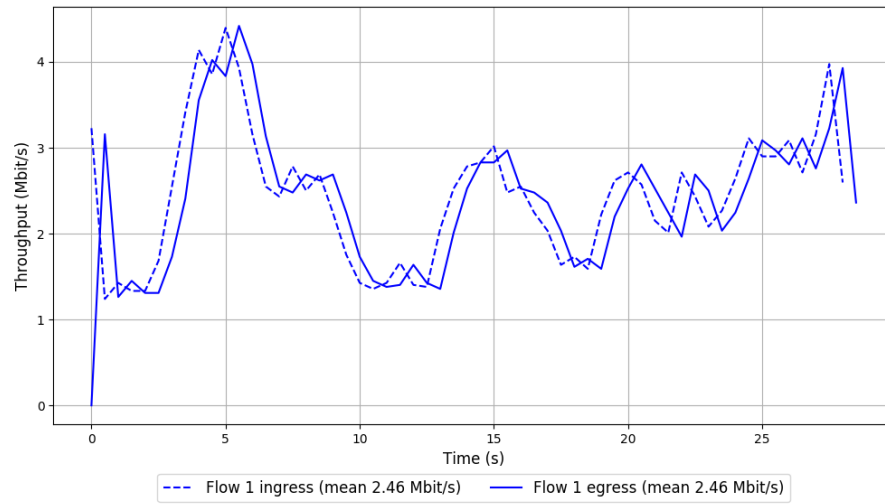


Run 2: Statistics of Indigo-MusesT

Start at: 2019-03-09 08:11:43
End at: 2019-03-09 08:12:13
Local clock offset: -1.459 ms
Remote clock offset: -4.387 ms

Below is generated by plot.py at 2019-03-09 09:48:50
Datalink statistics
-- Total of 1 flow:
Average throughput: 2.46 Mbit/s
95th percentile per-packet one-way delay: 17.057 ms
Loss rate: 0.22%
-- Flow 1:
Average throughput: 2.46 Mbit/s
95th percentile per-packet one-way delay: 17.057 ms
Loss rate: 0.22%

Run 2: Report of Indigo-MusesT — Data Link



Run 3: Statistics of Indigo-MusesT

Start at: 2019-03-09 08:36:34

End at: 2019-03-09 08:37:04

Local clock offset: 1.435 ms

Remote clock offset: -0.494 ms

Below is generated by plot.py at 2019-03-09 09:48:50

Datalink statistics

-- Total of 1 flow:

Average throughput: 76.11 Mbit/s

95th percentile per-packet one-way delay: 15.593 ms

Loss rate: 0.12%

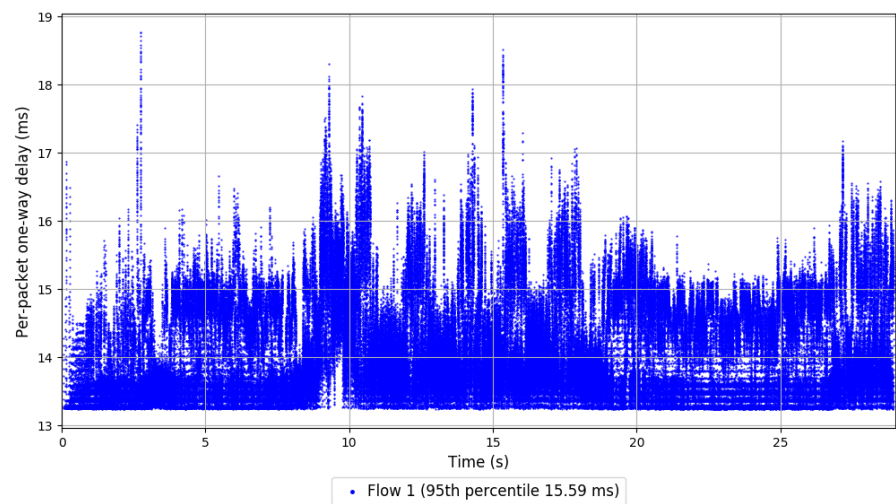
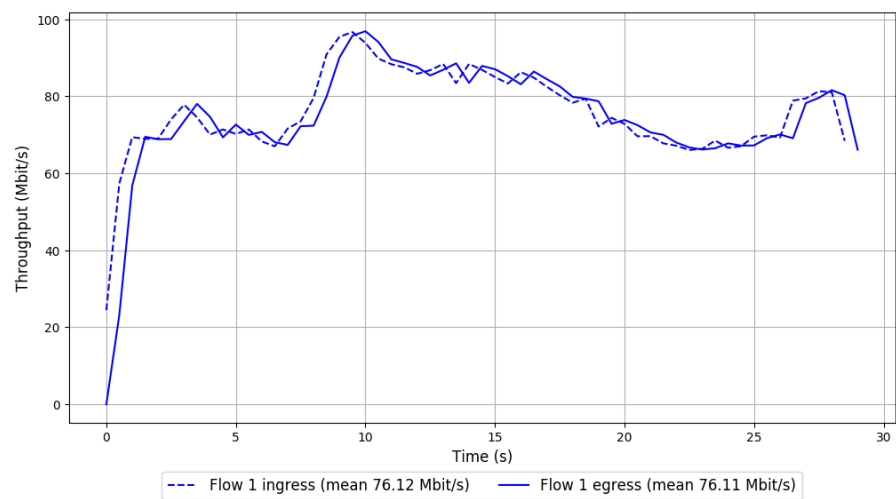
-- Flow 1:

Average throughput: 76.11 Mbit/s

95th percentile per-packet one-way delay: 15.593 ms

Loss rate: 0.12%

Run 3: Report of Indigo-MusesT — Data Link

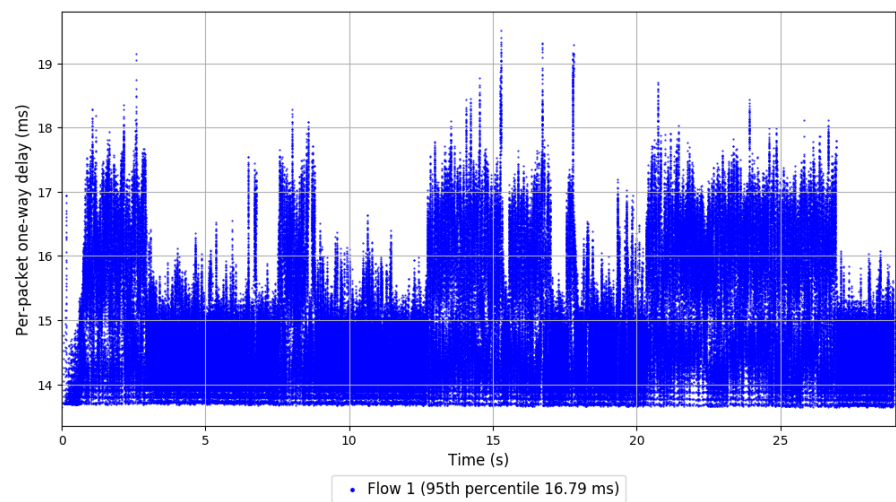
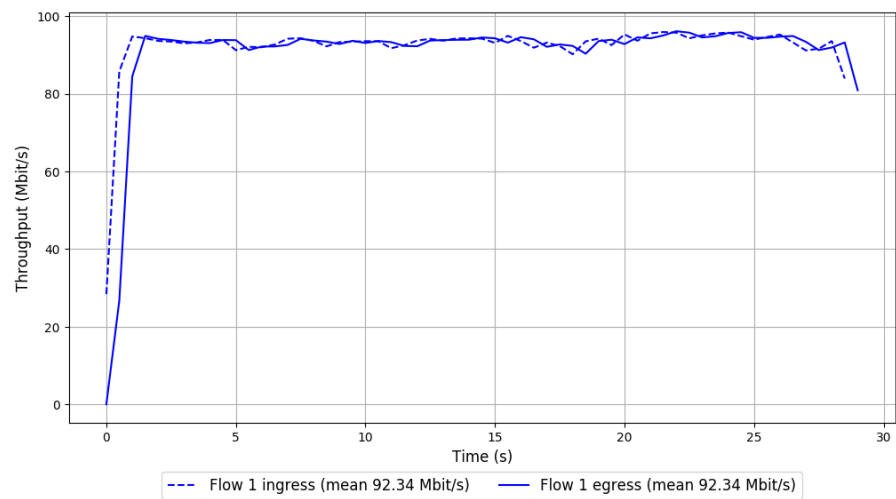


Run 4: Statistics of Indigo-MusesT

Start at: 2019-03-09 09:01:50
End at: 2019-03-09 09:02:20
Local clock offset: 4.45 ms
Remote clock offset: -2.228 ms

Below is generated by plot.py at 2019-03-09 09:48:59
Datalink statistics
-- Total of 1 flow:
Average throughput: 92.34 Mbit/s
95th percentile per-packet one-way delay: 16.788 ms
Loss rate: 0.11%
-- Flow 1:
Average throughput: 92.34 Mbit/s
95th percentile per-packet one-way delay: 16.788 ms
Loss rate: 0.11%

Run 4: Report of Indigo-MusesT — Data Link



Run 5: Statistics of Indigo-MusesT

Start at: 2019-03-09 09:26:52

End at: 2019-03-09 09:27:22

Local clock offset: 0.914 ms

Remote clock offset: -2.498 ms

Below is generated by plot.py at 2019-03-09 09:49:01

Datalink statistics

-- Total of 1 flow:

Average throughput: 92.51 Mbit/s

95th percentile per-packet one-way delay: 19.363 ms

Loss rate: 0.12%

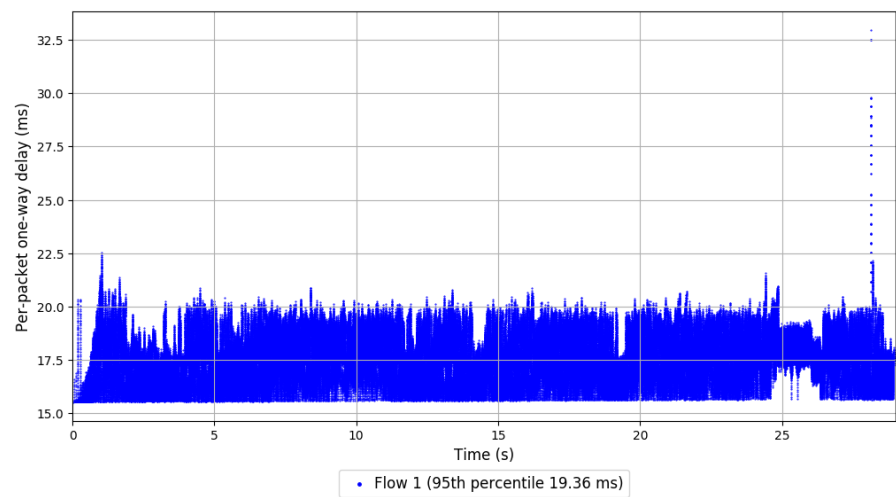
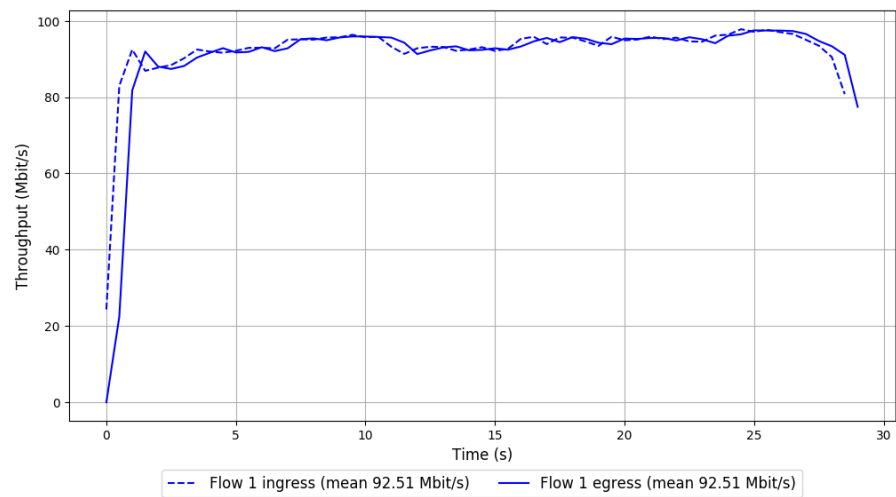
-- Flow 1:

Average throughput: 92.51 Mbit/s

95th percentile per-packet one-way delay: 19.363 ms

Loss rate: 0.12%

Run 5: Report of Indigo-MusesT — Data Link



Run 1: Statistics of LEDBAT

Start at: 2019-03-09 07:53:06

End at: 2019-03-09 07:53:36

Local clock offset: -1.082 ms

Remote clock offset: -1.59 ms

Below is generated by plot.py at 2019-03-09 09:49:01

Datalink statistics

-- Total of 1 flow:

Average throughput: 82.65 Mbit/s

95th percentile per-packet one-way delay: 19.479 ms

Loss rate: 0.11%

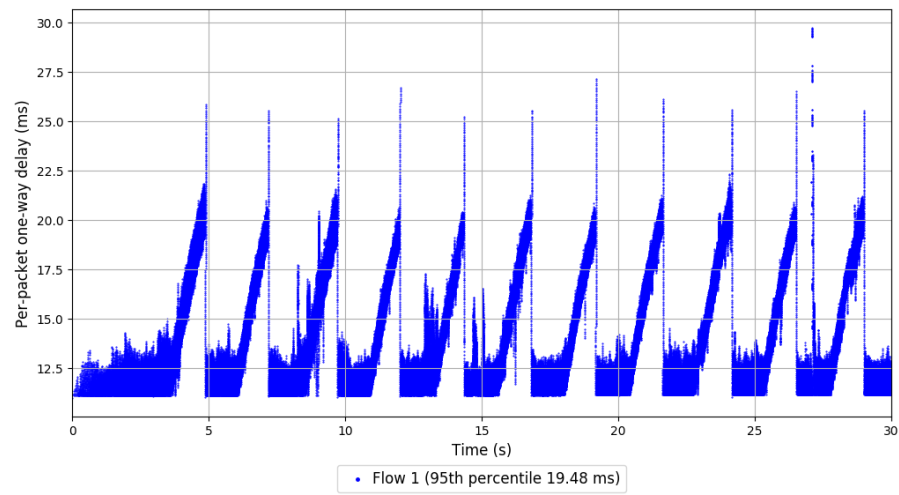
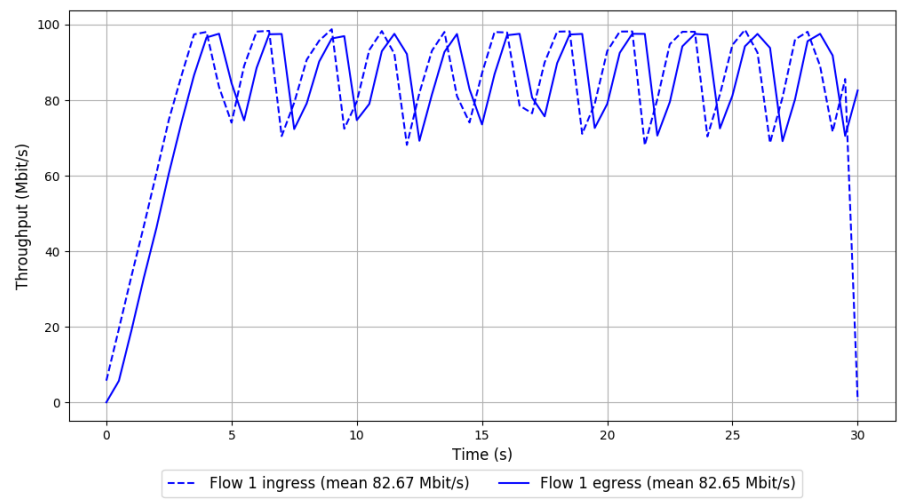
-- Flow 1:

Average throughput: 82.65 Mbit/s

95th percentile per-packet one-way delay: 19.479 ms

Loss rate: 0.11%

Run 1: Report of LEDBAT — Data Link

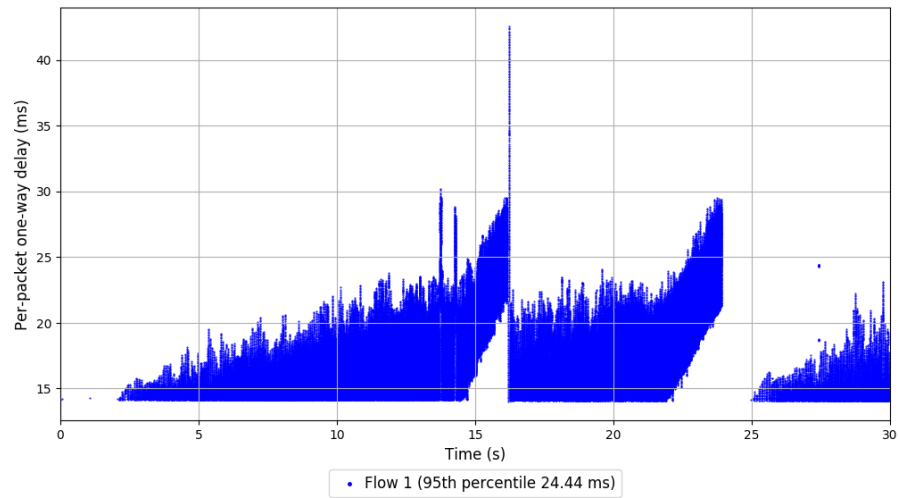
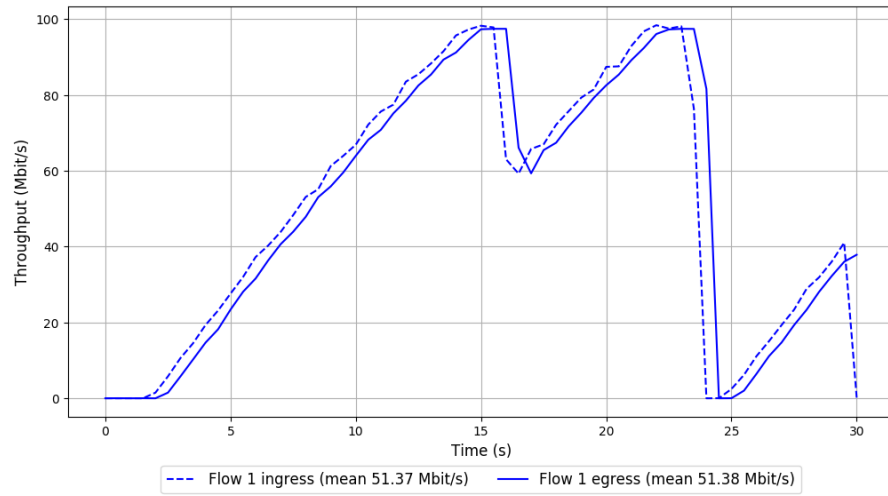


Run 2: Statistics of LEDBAT

Start at: 2019-03-09 08:18:37
End at: 2019-03-09 08:19:07
Local clock offset: -0.697 ms
Remote clock offset: -2.166 ms

Below is generated by plot.py at 2019-03-09 09:49:01
Datalink statistics
-- Total of 1 flow:
Average throughput: 51.38 Mbit/s
95th percentile per-packet one-way delay: 24.444 ms
Loss rate: 0.14%
-- Flow 1:
Average throughput: 51.38 Mbit/s
95th percentile per-packet one-way delay: 24.444 ms
Loss rate: 0.14%

Run 2: Report of LEDBAT — Data Link

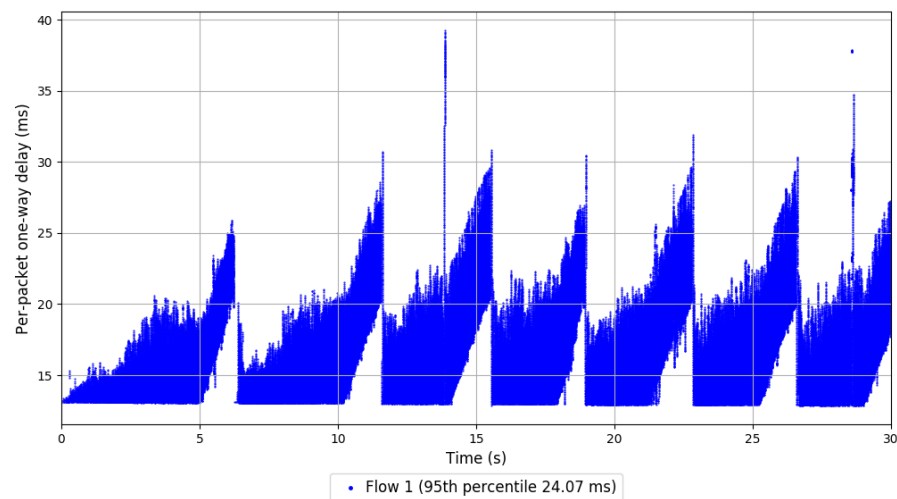
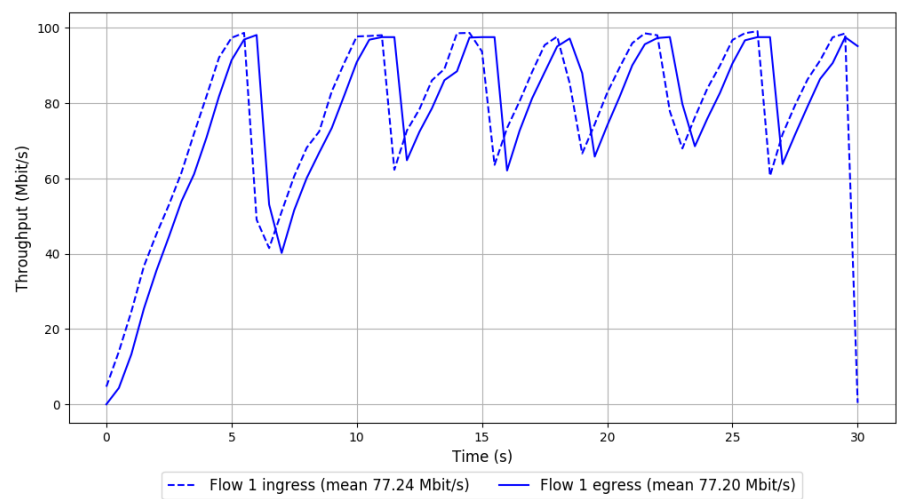


Run 3: Statistics of LEDBAT

Start at: 2019-03-09 08:43:57
End at: 2019-03-09 08:44:27
Local clock offset: -0.011 ms
Remote clock offset: -1.865 ms

Below is generated by plot.py at 2019-03-09 09:49:02
Datalink statistics
-- Total of 1 flow:
Average throughput: 77.20 Mbit/s
95th percentile per-packet one-way delay: 24.072 ms
Loss rate: 0.16%
-- Flow 1:
Average throughput: 77.20 Mbit/s
95th percentile per-packet one-way delay: 24.072 ms
Loss rate: 0.16%

Run 3: Report of LEDBAT — Data Link

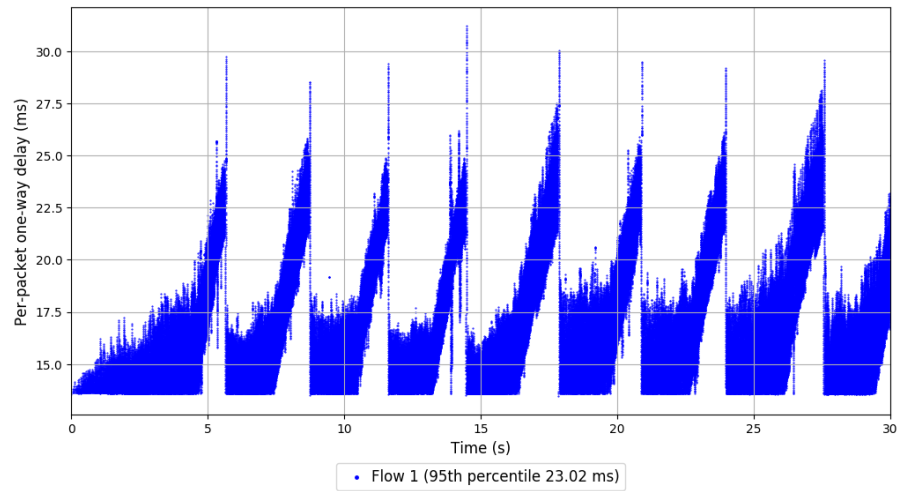
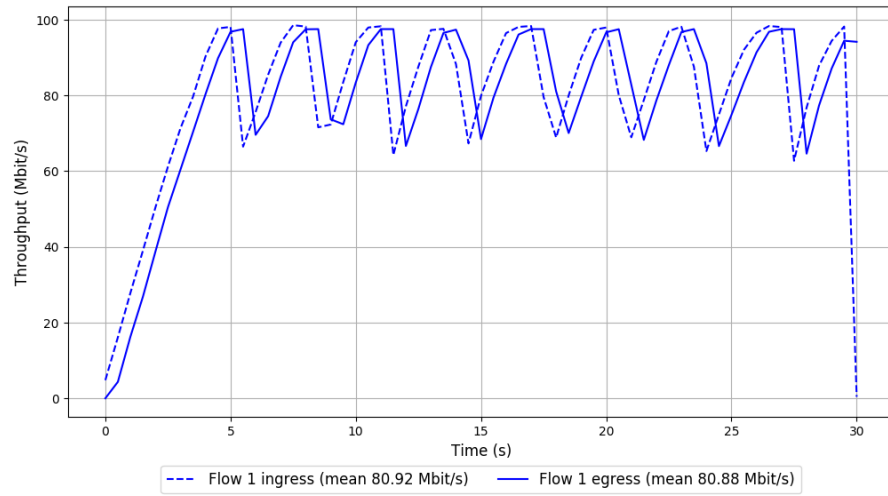


Run 4: Statistics of LEDBAT

Start at: 2019-03-09 09:09:12
End at: 2019-03-09 09:09:42
Local clock offset: 5.842 ms
Remote clock offset: -1.371 ms

Below is generated by plot.py at 2019-03-09 09:49:08
Datalink statistics
-- Total of 1 flow:
Average throughput: 80.88 Mbit/s
95th percentile per-packet one-way delay: 23.016 ms
Loss rate: 0.16%
-- Flow 1:
Average throughput: 80.88 Mbit/s
95th percentile per-packet one-way delay: 23.016 ms
Loss rate: 0.16%

Run 4: Report of LEDBAT — Data Link



Run 5: Statistics of LEDBAT

Start at: 2019-03-09 09:34:03

End at: 2019-03-09 09:34:33

Local clock offset: -4.9 ms

Remote clock offset: 0.769 ms

Below is generated by plot.py at 2019-03-09 09:49:31

Datalink statistics

-- Total of 1 flow:

Average throughput: 75.98 Mbit/s

95th percentile per-packet one-way delay: 19.337 ms

Loss rate: 0.10%

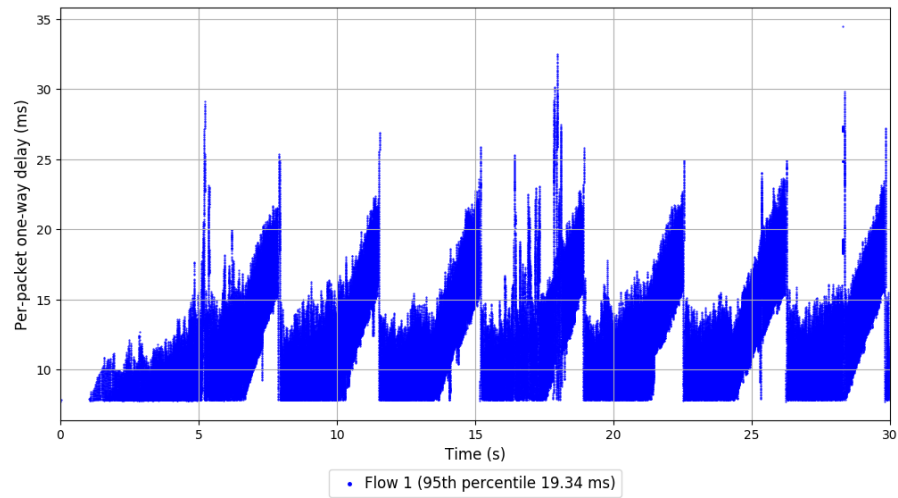
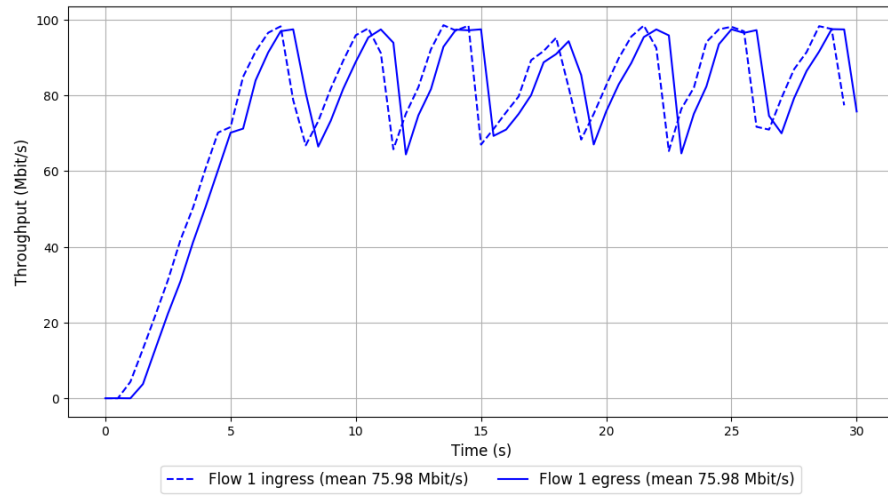
-- Flow 1:

Average throughput: 75.98 Mbit/s

95th percentile per-packet one-way delay: 19.337 ms

Loss rate: 0.10%

Run 5: Report of LEDBAT — Data Link



Run 1: Statistics of PCC-Allegro

Start at: 2019-03-09 07:50:43

End at: 2019-03-09 07:51:13

Local clock offset: -1.164 ms

Remote clock offset: -2.488 ms

Below is generated by plot.py at 2019-03-09 09:49:31

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.00 Mbit/s

95th percentile per-packet one-way delay: 11.547 ms

Loss rate: 0.00%

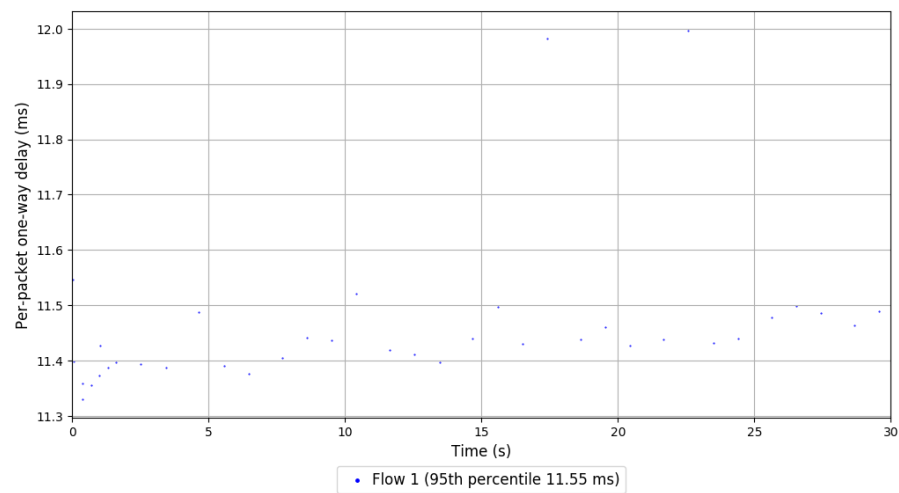
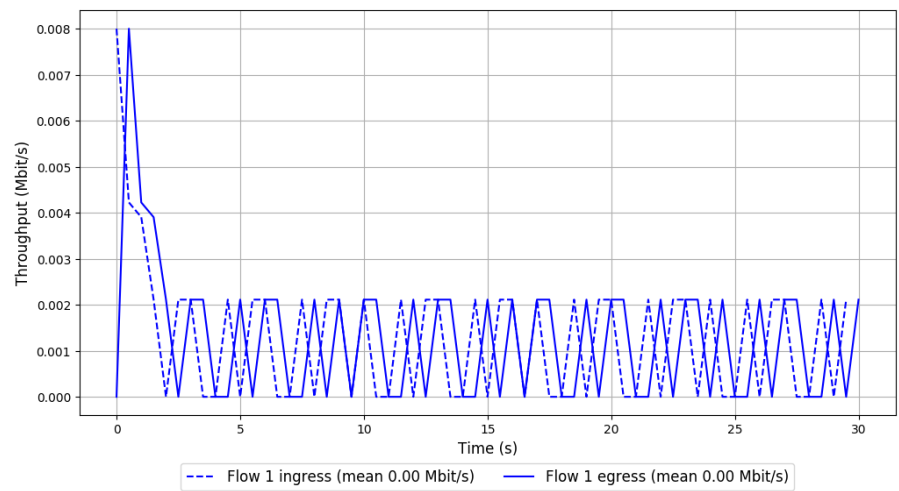
-- Flow 1:

Average throughput: 0.00 Mbit/s

95th percentile per-packet one-way delay: 11.547 ms

Loss rate: 0.00%

Run 1: Report of PCC-Allegro — Data Link



Run 2: Statistics of PCC-Allegro

Start at: 2019-03-09 08:16:18

End at: 2019-03-09 08:16:48

Local clock offset: -1.21 ms

Remote clock offset: -1.255 ms

Below is generated by plot.py at 2019-03-09 09:49:31

Datalink statistics

-- Total of 1 flow:

Average throughput: 12.73 Mbit/s

95th percentile per-packet one-way delay: 13.263 ms

Loss rate: 0.13%

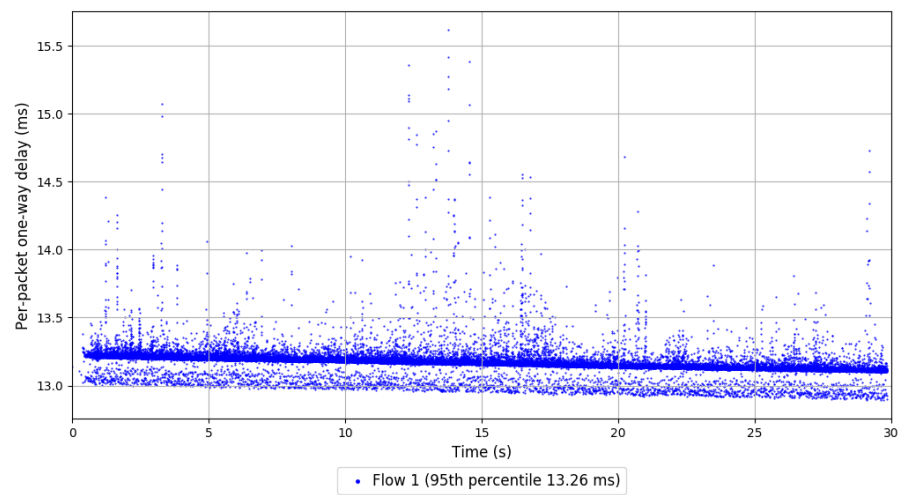
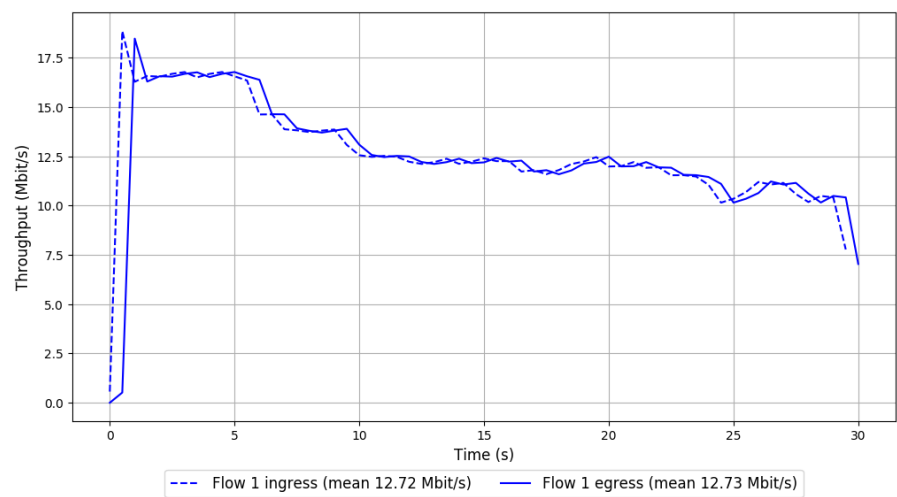
-- Flow 1:

Average throughput: 12.73 Mbit/s

95th percentile per-packet one-way delay: 13.263 ms

Loss rate: 0.13%

Run 2: Report of PCC-Allegro — Data Link



Run 3: Statistics of PCC-Allegro

Start at: 2019-03-09 08:41:30

End at: 2019-03-09 08:42:00

Local clock offset: 0.098 ms

Remote clock offset: -0.496 ms

Below is generated by plot.py at 2019-03-09 09:49:31

Datalink statistics

-- Total of 1 flow:

Average throughput: 30.51 Mbit/s

95th percentile per-packet one-way delay: 12.012 ms

Loss rate: 0.08%

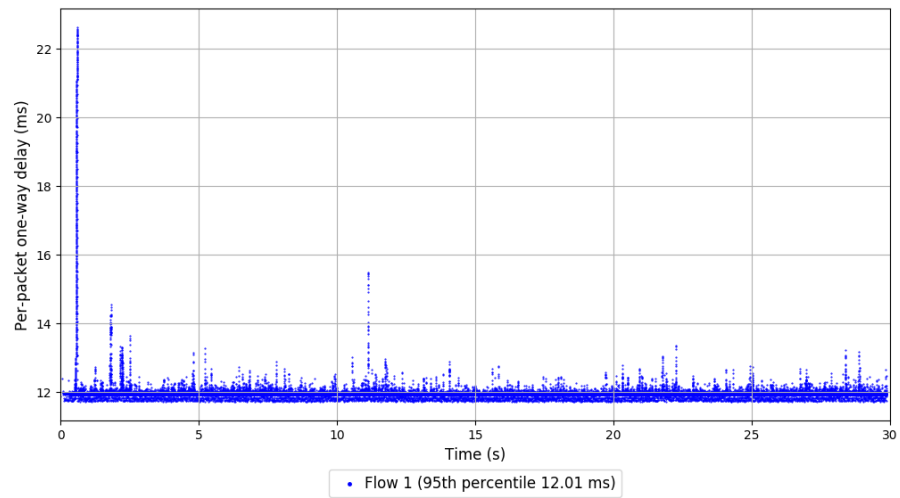
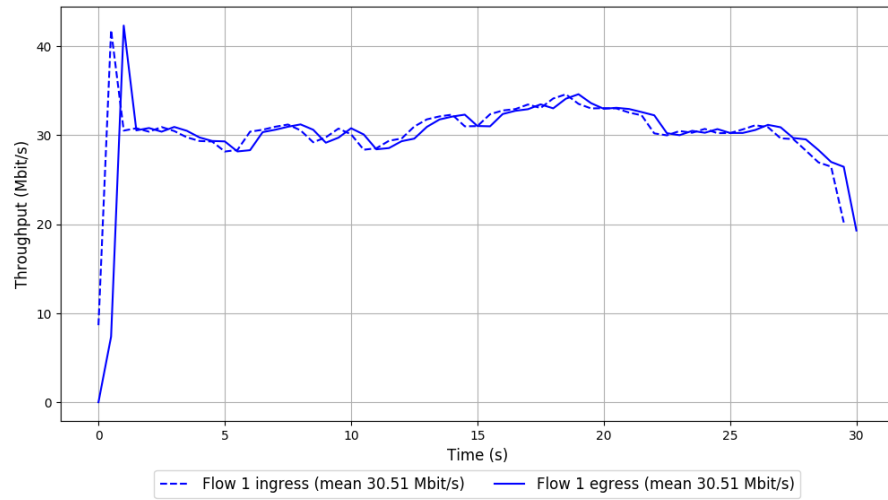
-- Flow 1:

Average throughput: 30.51 Mbit/s

95th percentile per-packet one-way delay: 12.012 ms

Loss rate: 0.08%

Run 3: Report of PCC-Allegro — Data Link



Run 4: Statistics of PCC-Allegro

Start at: 2019-03-09 09:06:38

End at: 2019-03-09 09:07:08

Local clock offset: 5.356 ms

Remote clock offset: -1.462 ms

Below is generated by plot.py at 2019-03-09 09:49:41

Datalink statistics

-- Total of 1 flow:

Average throughput: 78.82 Mbit/s

95th percentile per-packet one-way delay: 59.254 ms

Loss rate: 0.19%

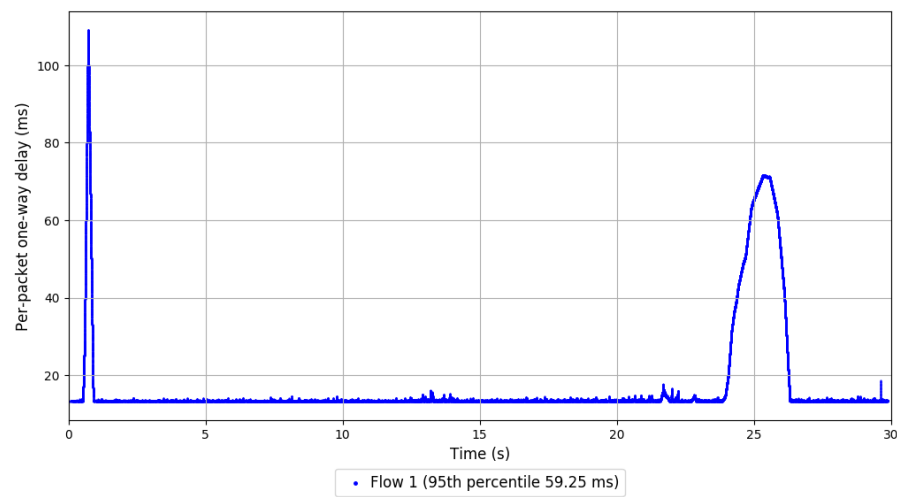
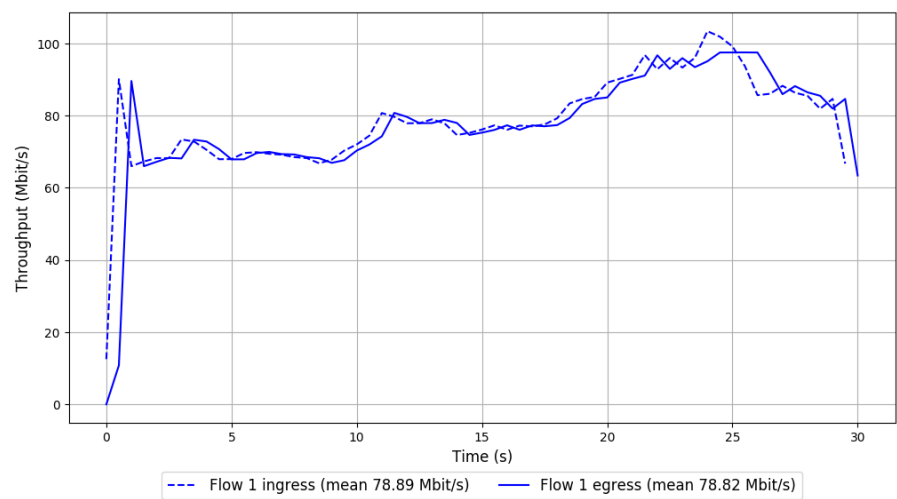
-- Flow 1:

Average throughput: 78.82 Mbit/s

95th percentile per-packet one-way delay: 59.254 ms

Loss rate: 0.19%

Run 4: Report of PCC-Allegro — Data Link



Run 5: Statistics of PCC-Allegro

Start at: 2019-03-09 09:31:38

End at: 2019-03-09 09:32:08

Local clock offset: -0.66 ms

Remote clock offset: 0.107 ms

Below is generated by plot.py at 2019-03-09 09:49:41

Datalink statistics

-- Total of 1 flow:

Average throughput: 33.09 Mbit/s

95th percentile per-packet one-way delay: 12.532 ms

Loss rate: 0.11%

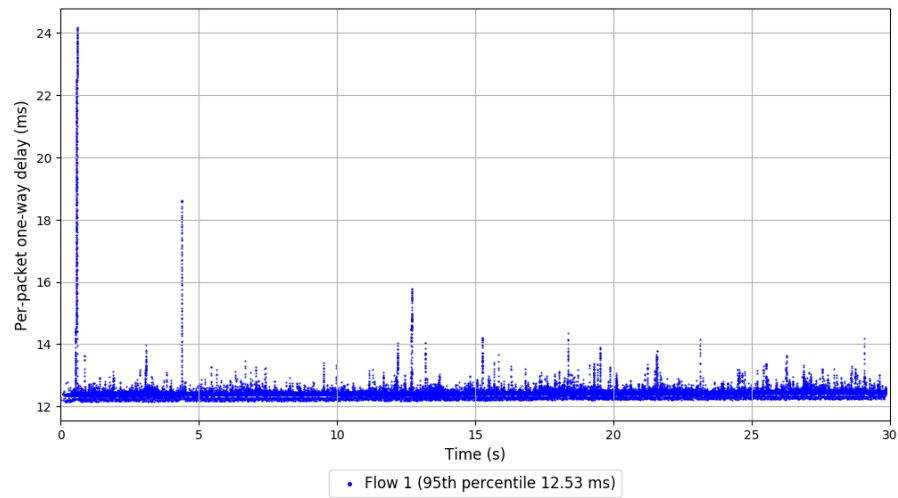
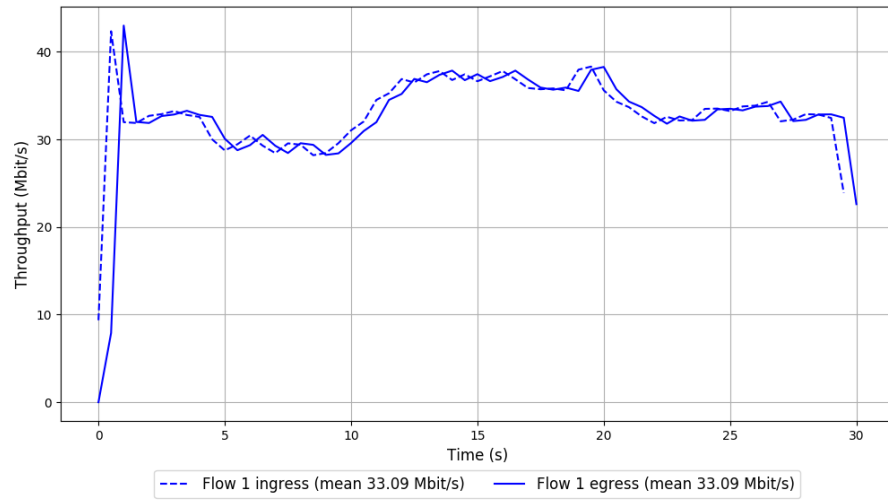
-- Flow 1:

Average throughput: 33.09 Mbit/s

95th percentile per-packet one-way delay: 12.532 ms

Loss rate: 0.11%

Run 5: Report of PCC-Allegro — Data Link

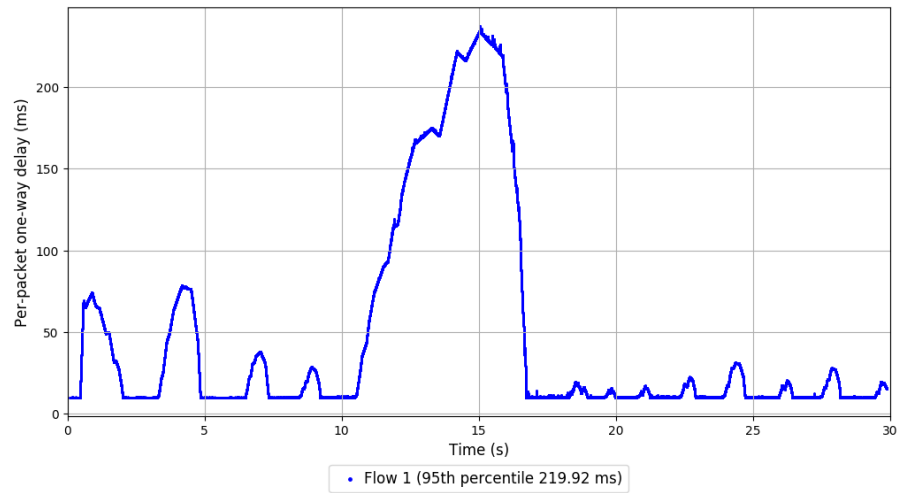
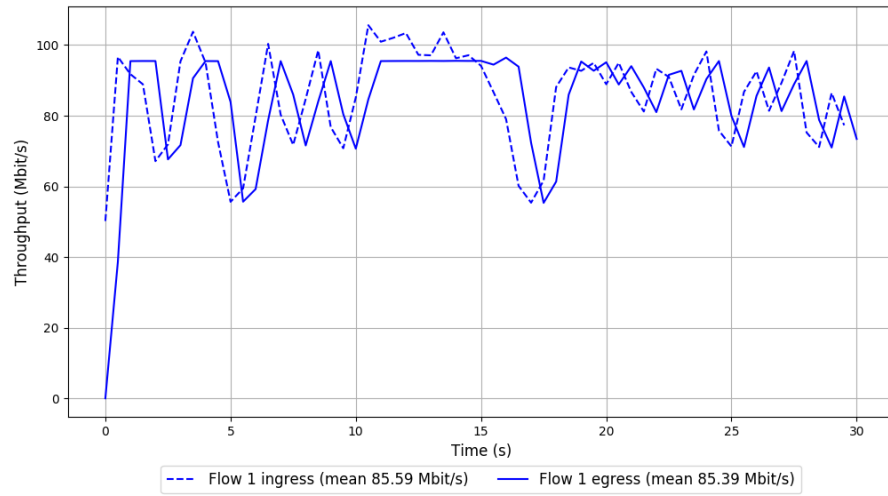


Run 1: Statistics of PCC-Expr

Start at: 2019-03-09 07:46:55
End at: 2019-03-09 07:47:25
Local clock offset: -1.992 ms
Remote clock offset: -2.542 ms

Below is generated by plot.py at 2019-03-09 09:50:44
Datalink statistics
-- Total of 1 flow:
Average throughput: 85.39 Mbit/s
95th percentile per-packet one-way delay: 219.916 ms
Loss rate: 0.33%
-- Flow 1:
Average throughput: 85.39 Mbit/s
95th percentile per-packet one-way delay: 219.916 ms
Loss rate: 0.33%

Run 1: Report of PCC-Expr — Data Link

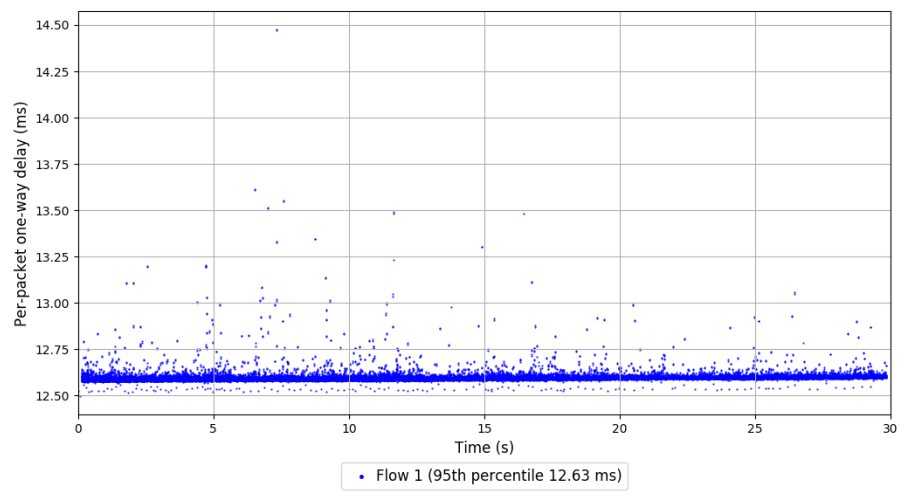
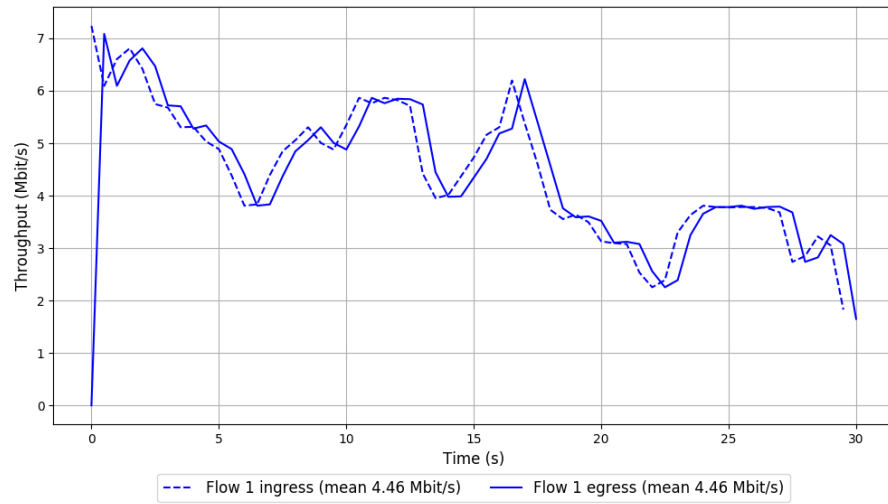


Run 2: Statistics of PCC-Expr

Start at: 2019-03-09 08:12:49
End at: 2019-03-09 08:13:19
Local clock offset: -1.89 ms
Remote clock offset: -0.645 ms

Below is generated by plot.py at 2019-03-09 09:50:44
Datalink statistics
-- Total of 1 flow:
Average throughput: 4.46 Mbit/s
95th percentile per-packet one-way delay: 12.632 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 4.46 Mbit/s
95th percentile per-packet one-way delay: 12.632 ms
Loss rate: 0.09%

Run 2: Report of PCC-Expr — Data Link

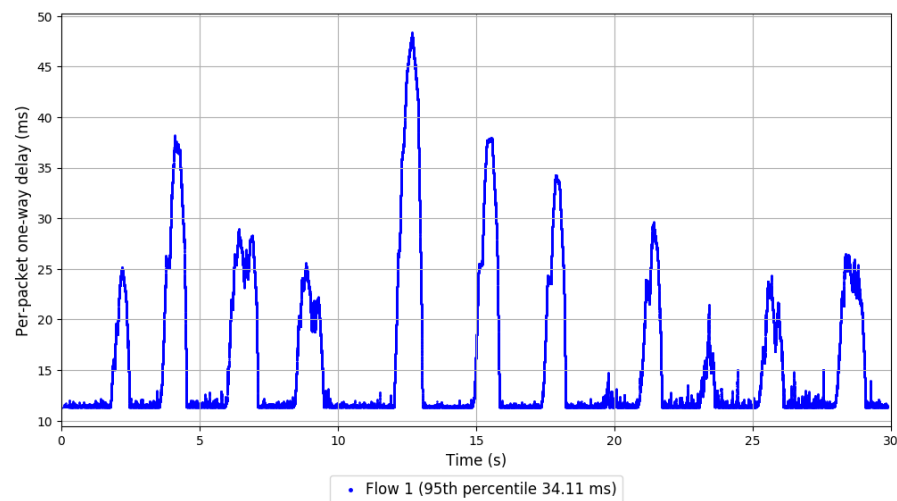
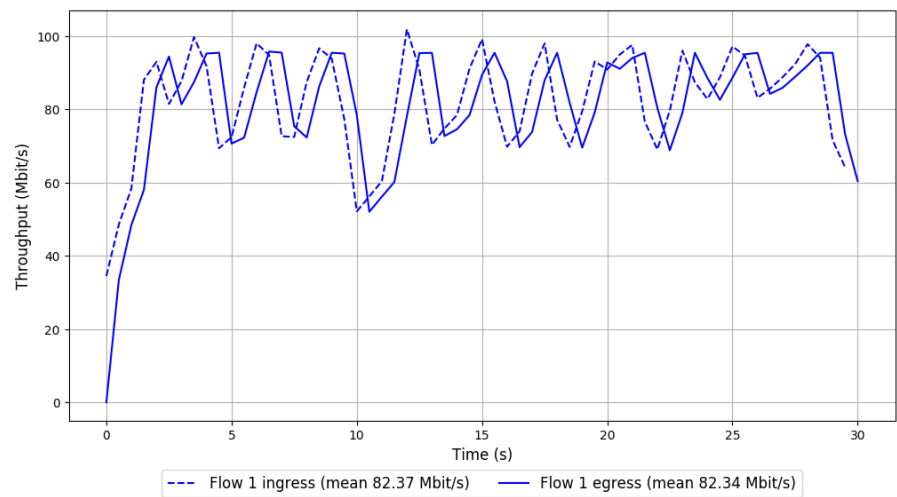


Run 3: Statistics of PCC-Expr

Start at: 2019-03-09 08:37:45
End at: 2019-03-09 08:38:15
Local clock offset: -0.916 ms
Remote clock offset: -0.963 ms

Below is generated by plot.py at 2019-03-09 09:50:45
Datalink statistics
-- Total of 1 flow:
Average throughput: 82.34 Mbit/s
95th percentile per-packet one-way delay: 34.109 ms
Loss rate: 0.15%
-- Flow 1:
Average throughput: 82.34 Mbit/s
95th percentile per-packet one-way delay: 34.109 ms
Loss rate: 0.15%

Run 3: Report of PCC-Expr — Data Link

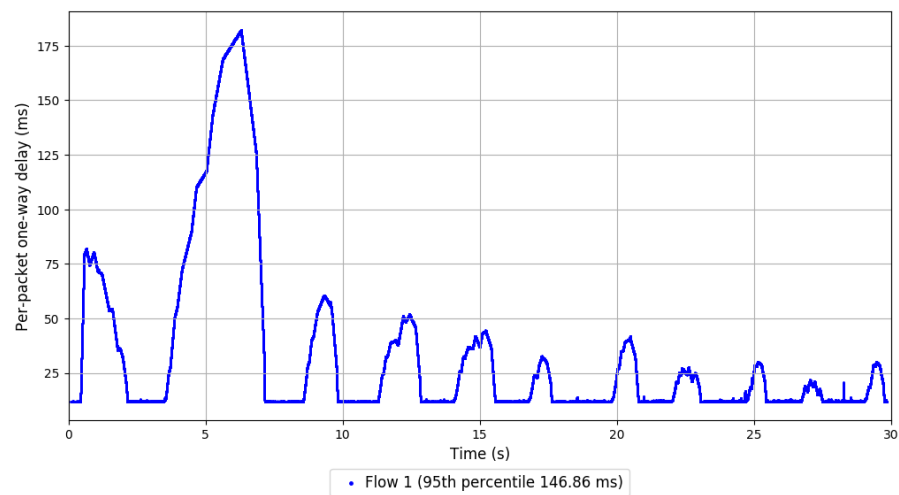
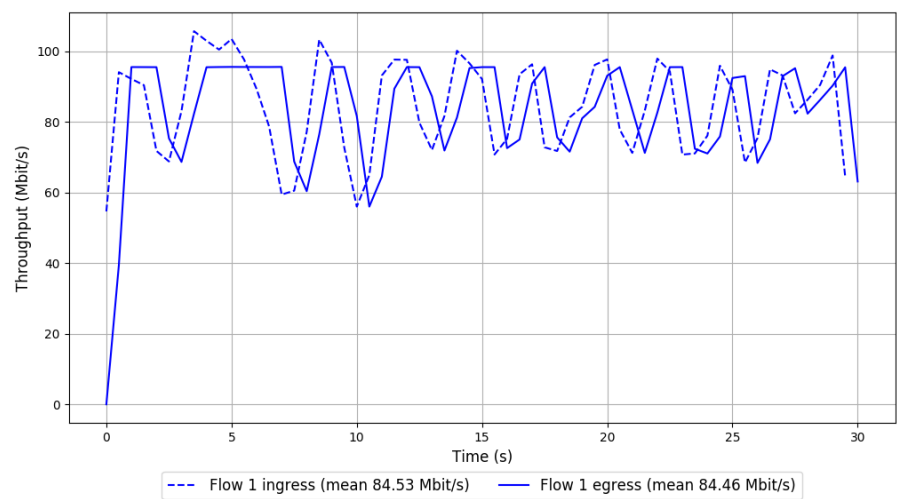


Run 4: Statistics of PCC-Expr

Start at: 2019-03-09 09:03:05
End at: 2019-03-09 09:03:35
Local clock offset: 3.842 ms
Remote clock offset: -1.229 ms

Below is generated by plot.py at 2019-03-09 09:50:51
Datalink statistics
-- Total of 1 flow:
Average throughput: 84.46 Mbit/s
95th percentile per-packet one-way delay: 146.861 ms
Loss rate: 0.24%
-- Flow 1:
Average throughput: 84.46 Mbit/s
95th percentile per-packet one-way delay: 146.861 ms
Loss rate: 0.24%

Run 4: Report of PCC-Expr — Data Link



Run 5: Statistics of PCC-Expr

Start at: 2019-03-09 09:28:04

End at: 2019-03-09 09:28:34

Local clock offset: -2.055 ms

Remote clock offset: 0.652 ms

Below is generated by plot.py at 2019-03-09 09:50:58

Datalink statistics

-- Total of 1 flow:

Average throughput: 86.74 Mbit/s

95th percentile per-packet one-way delay: 216.378 ms

Loss rate: 0.56%

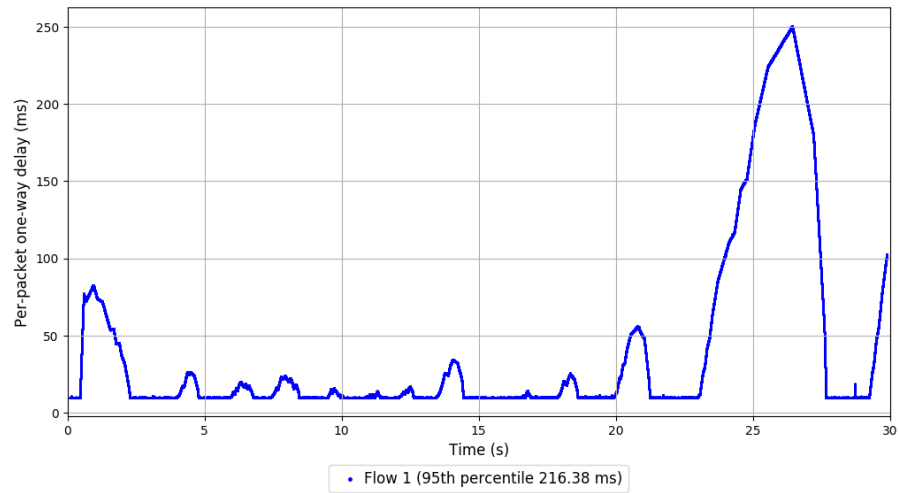
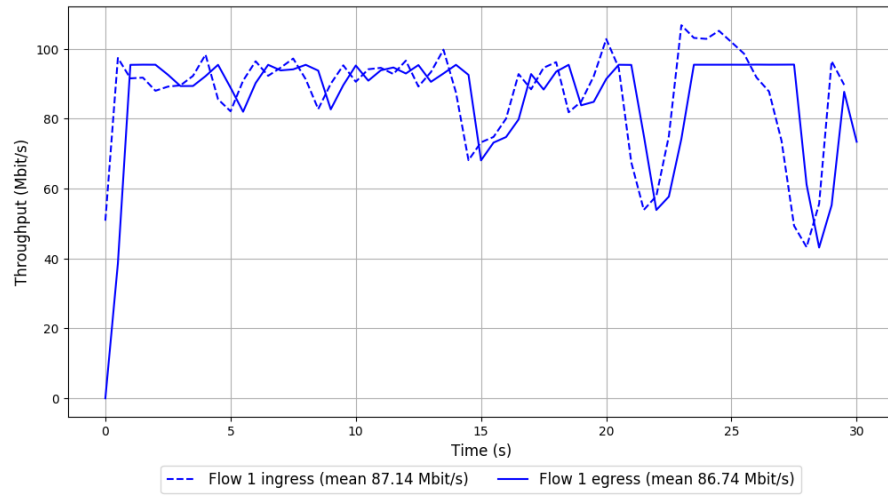
-- Flow 1:

Average throughput: 86.74 Mbit/s

95th percentile per-packet one-way delay: 216.378 ms

Loss rate: 0.56%

Run 5: Report of PCC-Expr — Data Link



Run 1: Statistics of QUIC Cubic

Start at: 2019-03-09 07:51:47

End at: 2019-03-09 07:52:17

Local clock offset: -0.137 ms

Remote clock offset: -2.176 ms

Below is generated by plot.py at 2019-03-09 09:50:58

Datalink statistics

-- Total of 1 flow:

Average throughput: 90.94 Mbit/s

95th percentile per-packet one-way delay: 20.428 ms

Loss rate: 0.11%

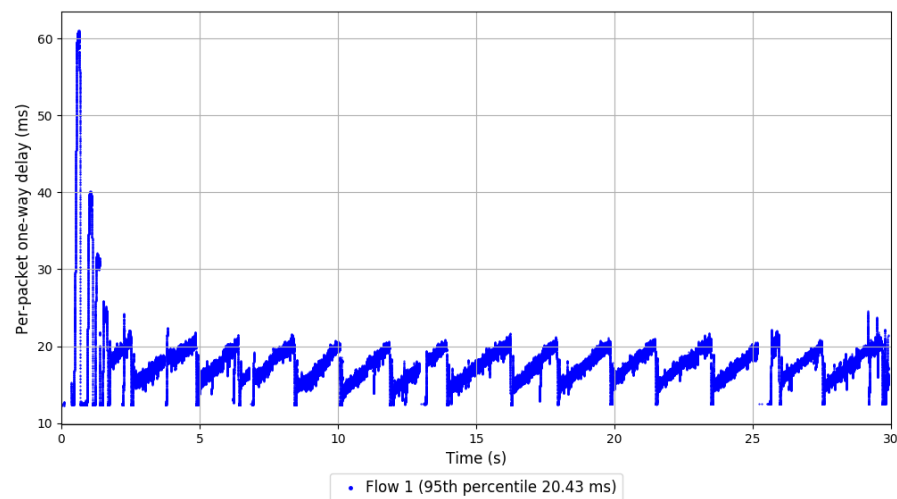
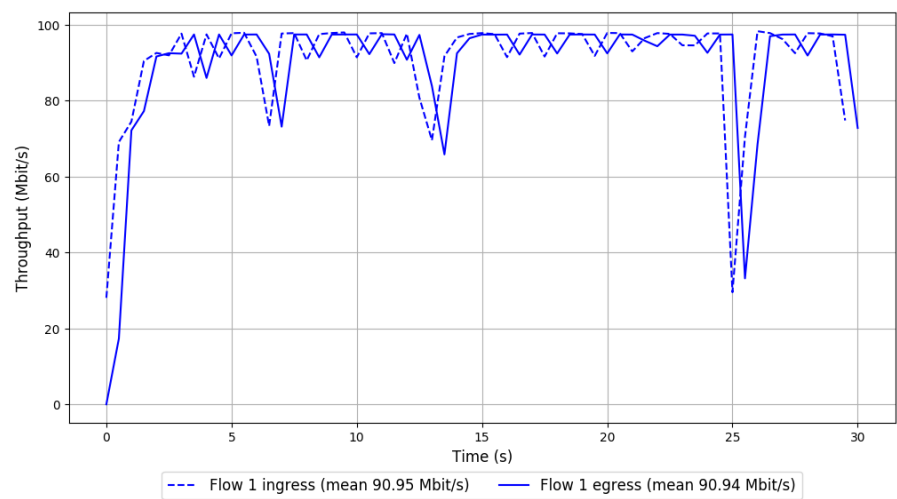
-- Flow 1:

Average throughput: 90.94 Mbit/s

95th percentile per-packet one-way delay: 20.428 ms

Loss rate: 0.11%

Run 1: Report of QUIC Cubic — Data Link



Run 2: Statistics of QUIC Cubic

Start at: 2019-03-09 08:17:26

End at: 2019-03-09 08:17:56

Local clock offset: 0.602 ms

Remote clock offset: -2.94 ms

Below is generated by plot.py at 2019-03-09 09:50:58

Datalink statistics

-- Total of 1 flow:

Average throughput: 58.78 Mbit/s

95th percentile per-packet one-way delay: 20.839 ms

Loss rate: 0.17%

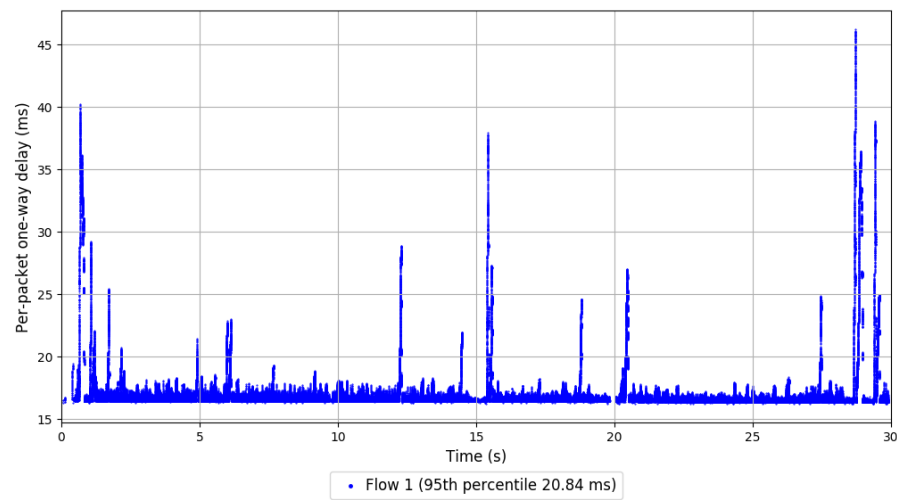
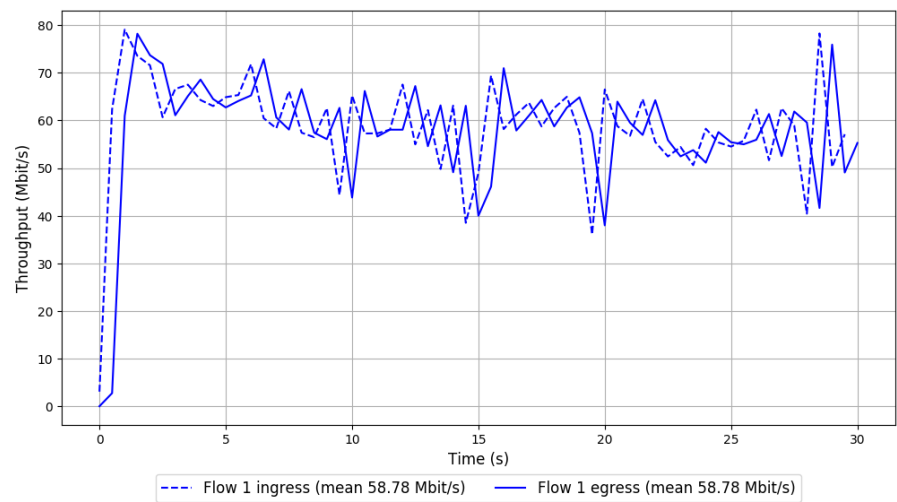
-- Flow 1:

Average throughput: 58.78 Mbit/s

95th percentile per-packet one-way delay: 20.839 ms

Loss rate: 0.17%

Run 2: Report of QUIC Cubic — Data Link



Run 3: Statistics of QUIC Cubic

Start at: 2019-03-09 08:42:39

End at: 2019-03-09 08:43:09

Local clock offset: 0.799 ms

Remote clock offset: -1.087 ms

Below is generated by plot.py at 2019-03-09 09:50:58

Datalink statistics

-- Total of 1 flow:

Average throughput: 91.28 Mbit/s

95th percentile per-packet one-way delay: 22.080 ms

Loss rate: 0.15%

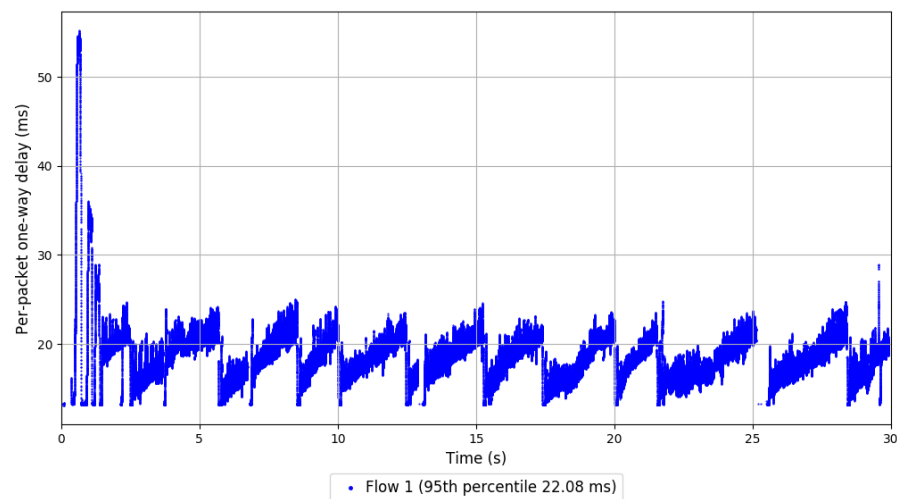
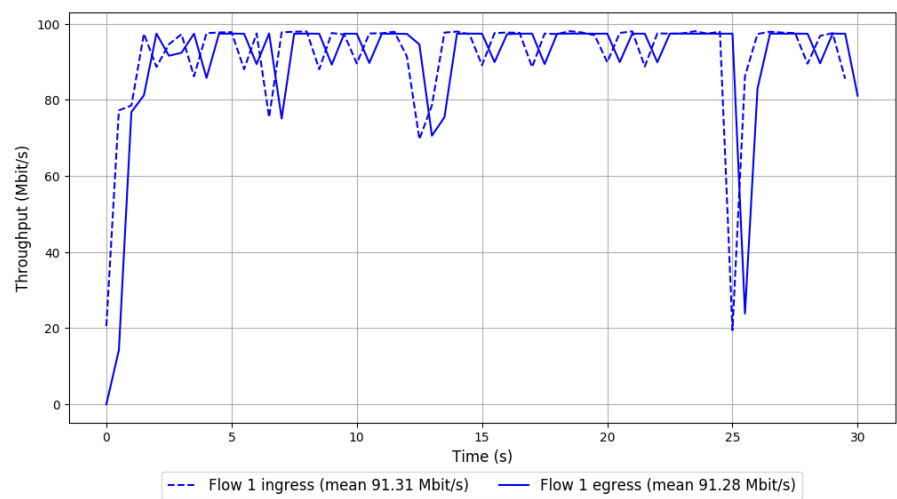
-- Flow 1:

Average throughput: 91.28 Mbit/s

95th percentile per-packet one-way delay: 22.080 ms

Loss rate: 0.15%

Run 3: Report of QUIC Cubic — Data Link



Run 4: Statistics of QUIC Cubic

Start at: 2019-03-09 09:07:49

End at: 2019-03-09 09:08:19

Local clock offset: 4.727 ms

Remote clock offset: -2.672 ms

Below is generated by plot.py at 2019-03-09 09:50:58

Datalink statistics

-- Total of 1 flow:

Average throughput: 91.63 Mbit/s

95th percentile per-packet one-way delay: 21.799 ms

Loss rate: 0.05%

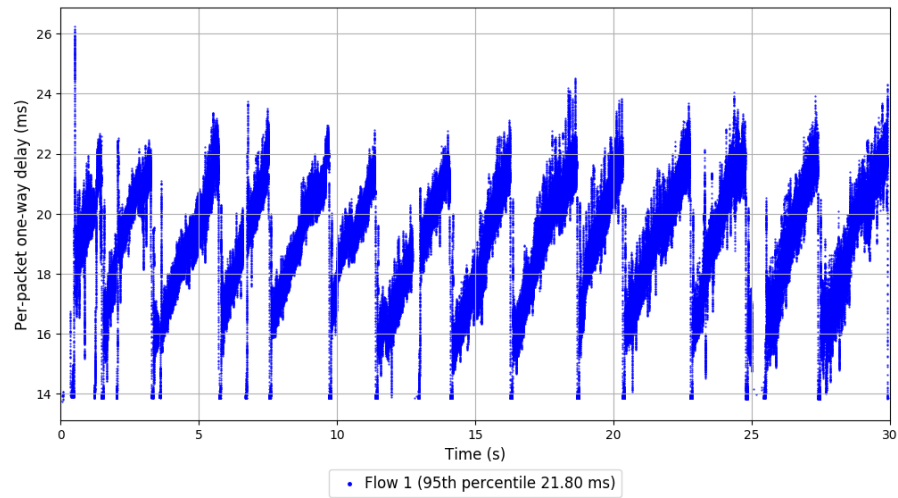
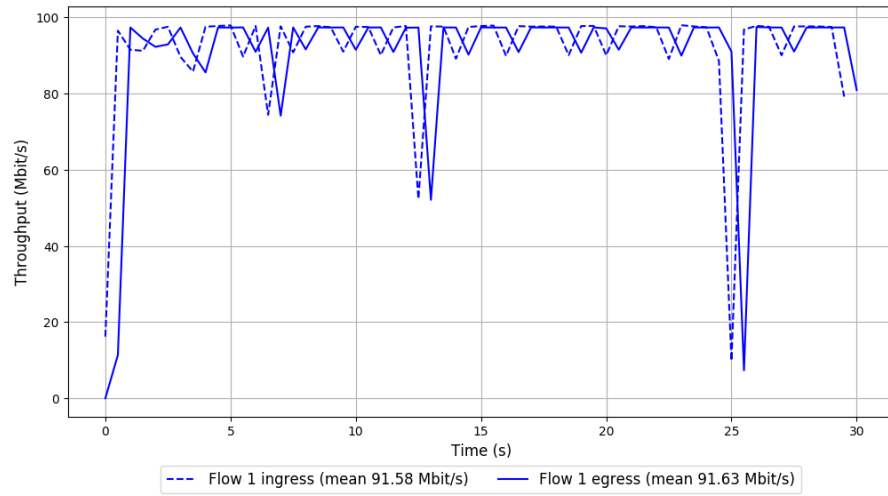
-- Flow 1:

Average throughput: 91.63 Mbit/s

95th percentile per-packet one-way delay: 21.799 ms

Loss rate: 0.05%

Run 4: Report of QUIC Cubic — Data Link



Run 5: Statistics of QUIC Cubic

Start at: 2019-03-09 09:32:45

End at: 2019-03-09 09:33:16

Local clock offset: -0.793 ms

Remote clock offset: -0.015 ms

Below is generated by plot.py at 2019-03-09 09:51:11

Datalink statistics

-- Total of 1 flow:

Average throughput: 90.75 Mbit/s

95th percentile per-packet one-way delay: 21.158 ms

Loss rate: 0.14%

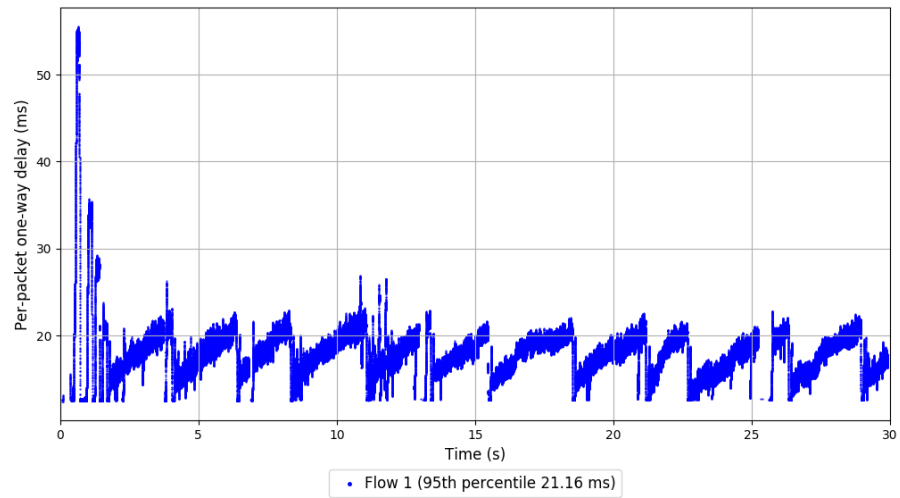
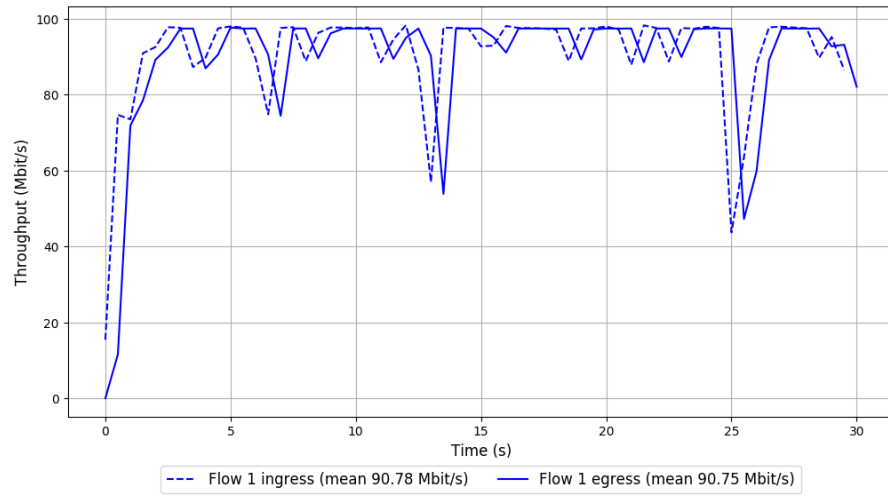
-- Flow 1:

Average throughput: 90.75 Mbit/s

95th percentile per-packet one-way delay: 21.158 ms

Loss rate: 0.14%

Run 5: Report of QUIC Cubic — Data Link

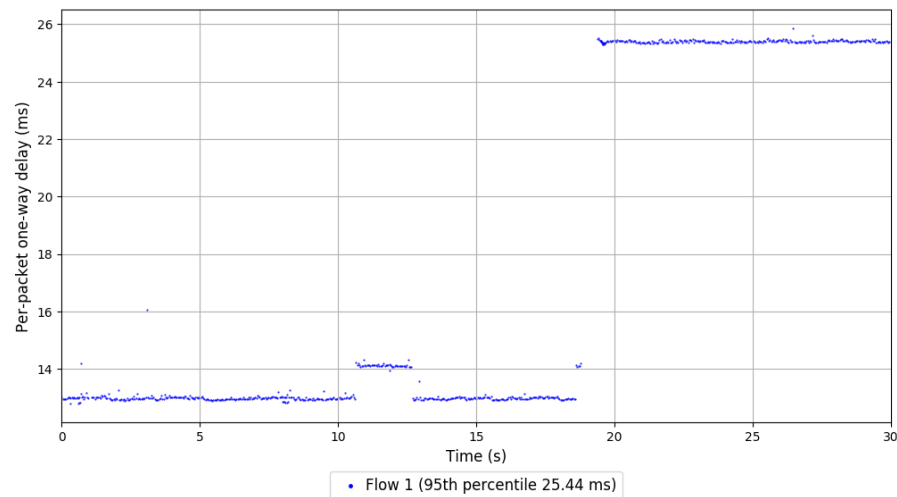
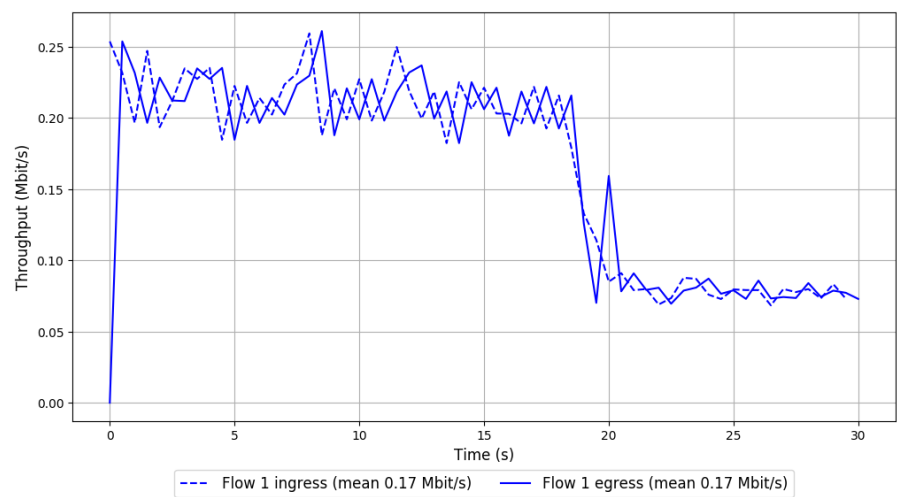


Run 1: Statistics of SCReAM

Start at: 2019-03-09 08:00:15
End at: 2019-03-09 08:00:45
Local clock offset: -3.589 ms
Remote clock offset: -3.373 ms

Below is generated by plot.py at 2019-03-09 09:51:11
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.17 Mbit/s
95th percentile per-packet one-way delay: 25.437 ms
Loss rate: 0.77%
-- Flow 1:
Average throughput: 0.17 Mbit/s
95th percentile per-packet one-way delay: 25.437 ms
Loss rate: 0.77%

Run 1: Report of SReAM — Data Link

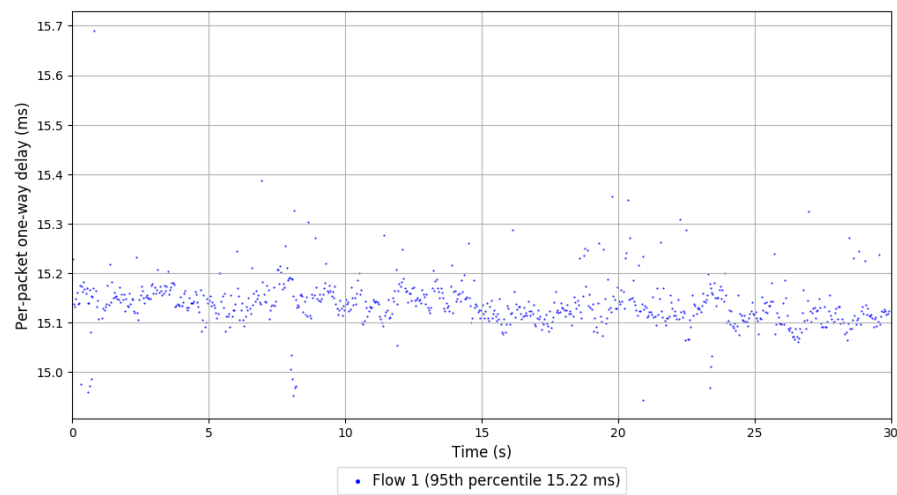
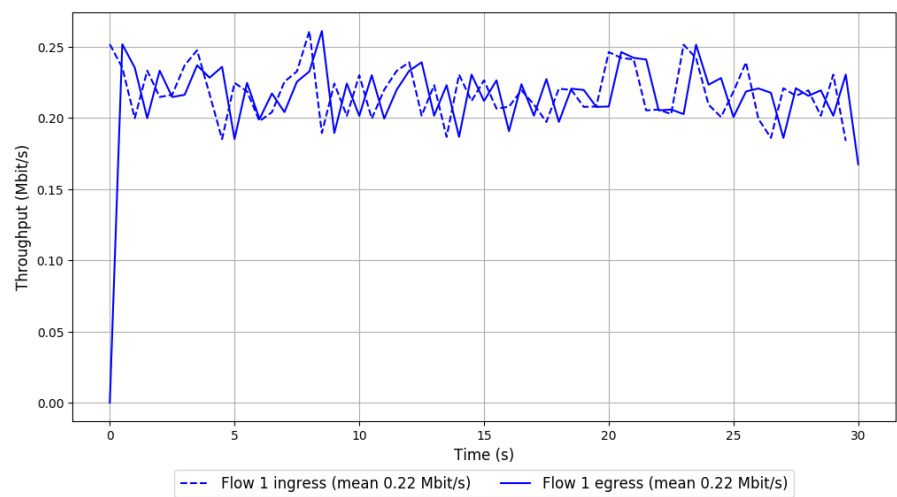


Run 2: Statistics of SCReAM

Start at: 2019-03-09 08:25:37
End at: 2019-03-09 08:26:07
Local clock offset: 1.772 ms
Remote clock offset: -1.598 ms

Below is generated by plot.py at 2019-03-09 09:51:11
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 15.217 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 15.217 ms
Loss rate: 0.13%

Run 2: Report of SReAM — Data Link

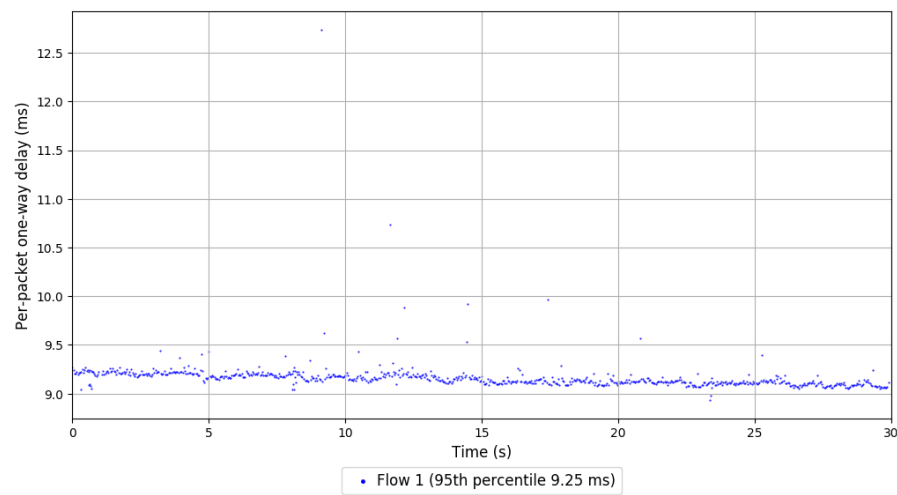
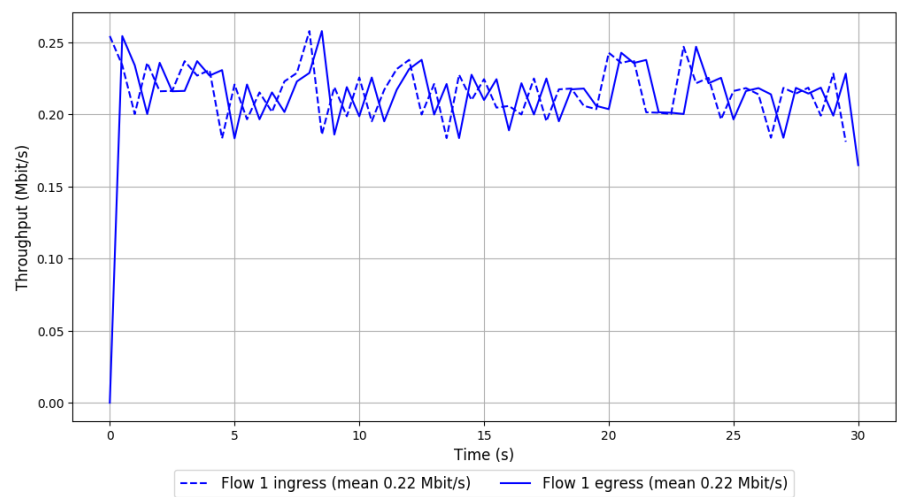


Run 3: Statistics of SCReAM

Start at: 2019-03-09 08:51:15
End at: 2019-03-09 08:51:45
Local clock offset: 0.444 ms
Remote clock offset: -0.041 ms

Below is generated by plot.py at 2019-03-09 09:51:11
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 9.247 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 9.247 ms
Loss rate: 0.13%

Run 3: Report of SReAM — Data Link

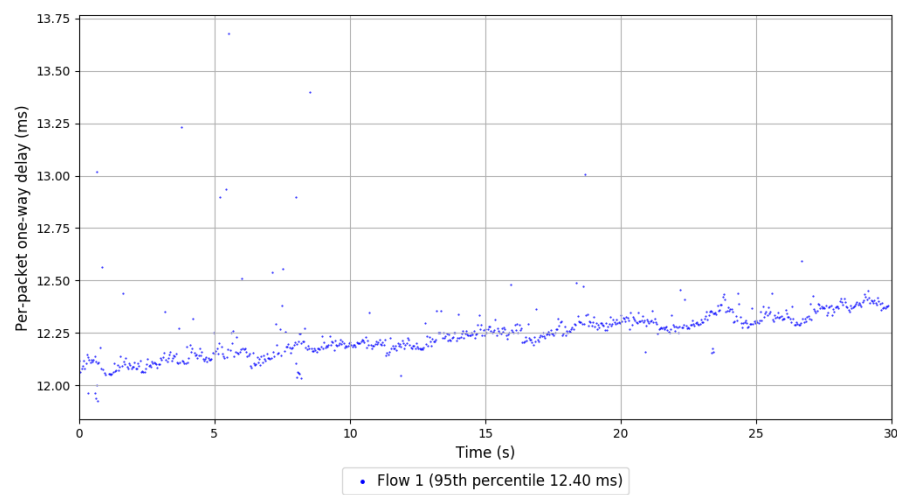
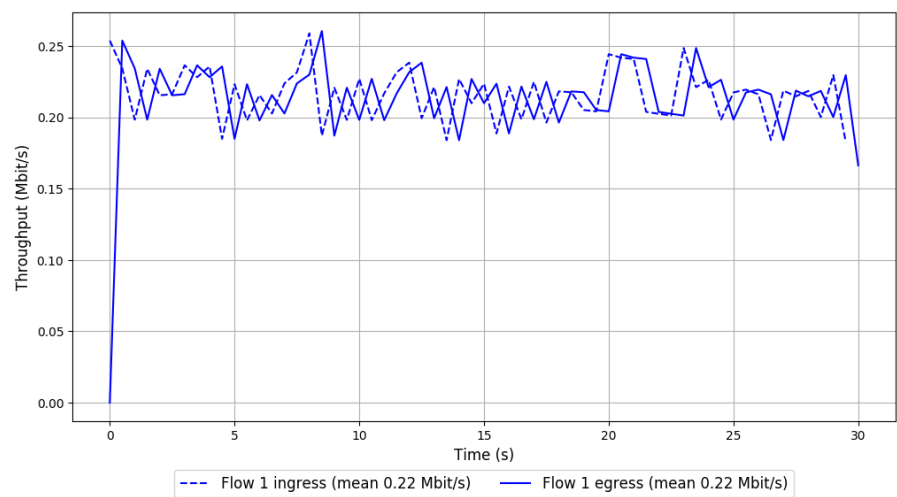


Run 4: Statistics of SCReAM

Start at: 2019-03-09 09:16:10
End at: 2019-03-09 09:16:40
Local clock offset: 3.771 ms
Remote clock offset: -0.448 ms

Below is generated by plot.py at 2019-03-09 09:51:11
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 12.400 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 12.400 ms
Loss rate: 0.13%

Run 4: Report of SReAM — Data Link

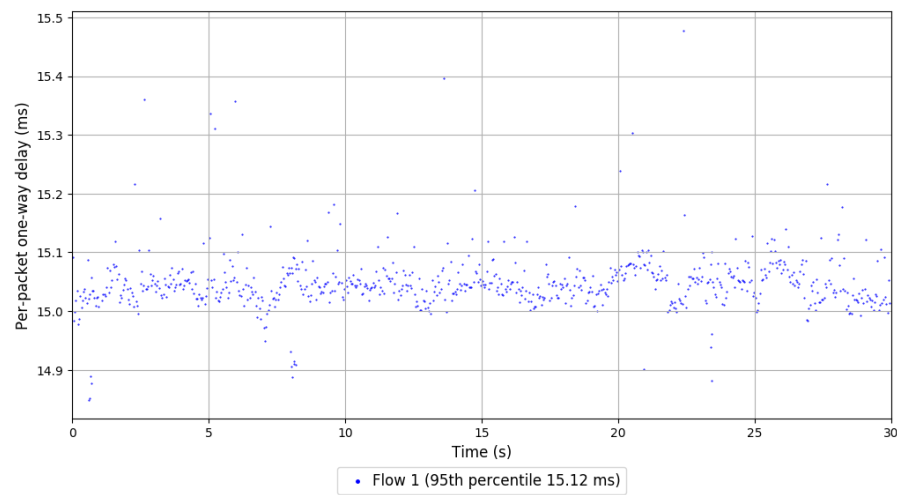
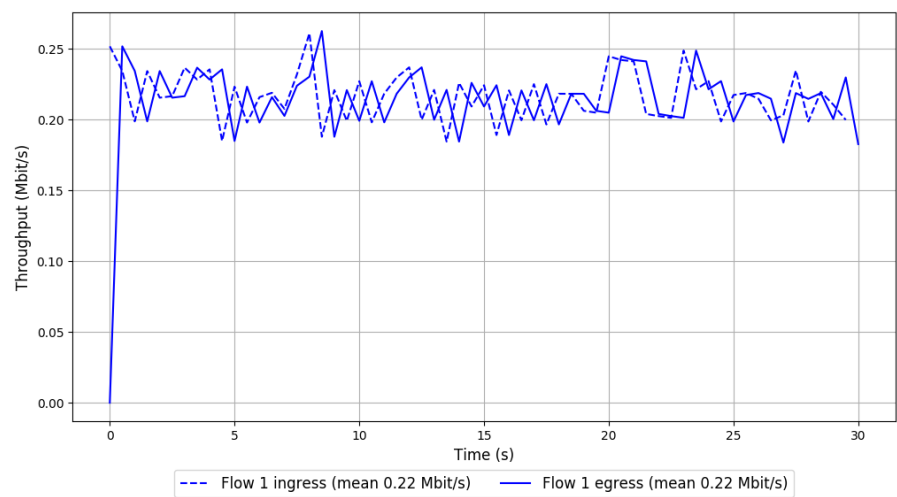


Run 5: Statistics of SCReAM

Start at: 2019-03-09 09:41:35
End at: 2019-03-09 09:42:05
Local clock offset: -0.328 ms
Remote clock offset: -1.204 ms

Below is generated by plot.py at 2019-03-09 09:51:11
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 15.118 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 15.118 ms
Loss rate: 0.13%

Run 5: Report of SReAM — Data Link

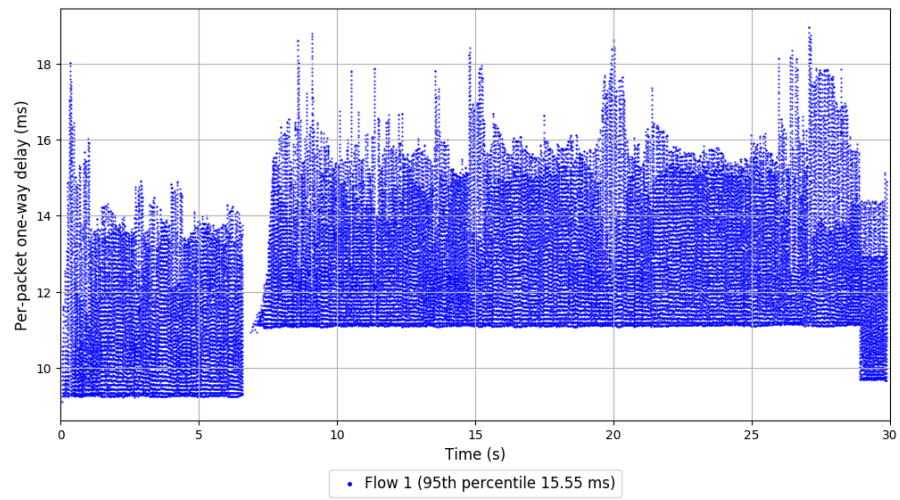
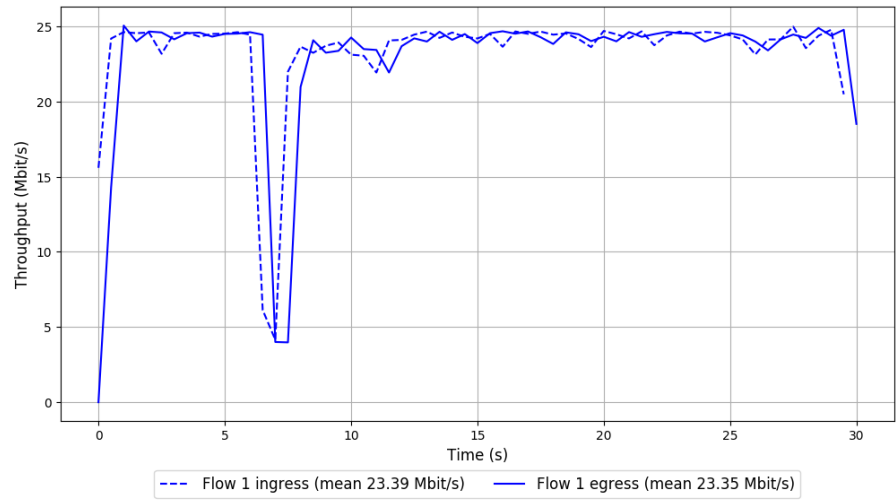


Run 1: Statistics of Sprout

Start at: 2019-03-09 07:55:29
End at: 2019-03-09 07:55:59
Local clock offset: -3.149 ms
Remote clock offset: -1.494 ms

Below is generated by plot.py at 2019-03-09 09:51:11
Datalink statistics
-- Total of 1 flow:
Average throughput: 23.35 Mbit/s
95th percentile per-packet one-way delay: 15.551 ms
Loss rate: 0.29%
-- Flow 1:
Average throughput: 23.35 Mbit/s
95th percentile per-packet one-way delay: 15.551 ms
Loss rate: 0.29%

Run 1: Report of Sprout — Data Link

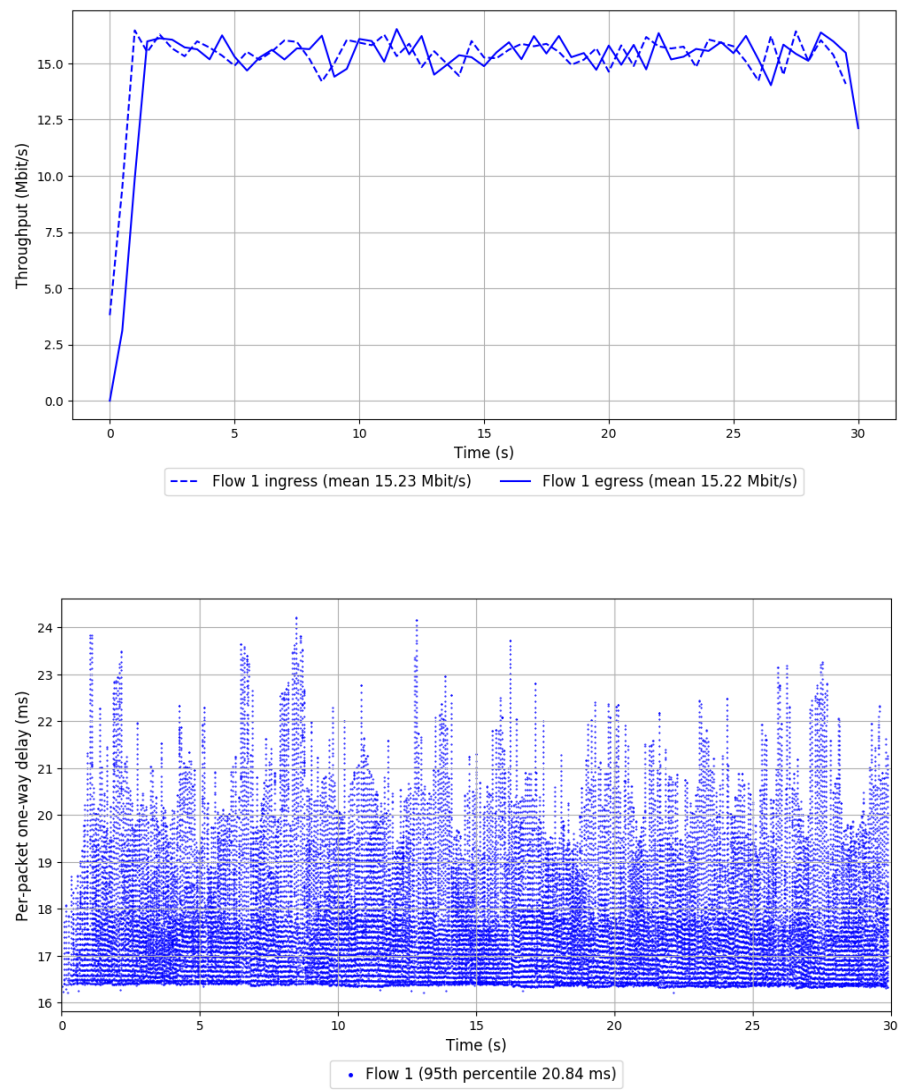


Run 2: Statistics of Sprout

Start at: 2019-03-09 08:20:55
End at: 2019-03-09 08:21:25
Local clock offset: 1.829 ms
Remote clock offset: -2.243 ms

Below is generated by plot.py at 2019-03-09 09:51:11
Datalink statistics
-- Total of 1 flow:
Average throughput: 15.22 Mbit/s
95th percentile per-packet one-way delay: 20.837 ms
Loss rate: 0.22%
-- Flow 1:
Average throughput: 15.22 Mbit/s
95th percentile per-packet one-way delay: 20.837 ms
Loss rate: 0.22%

Run 2: Report of Sprout — Data Link

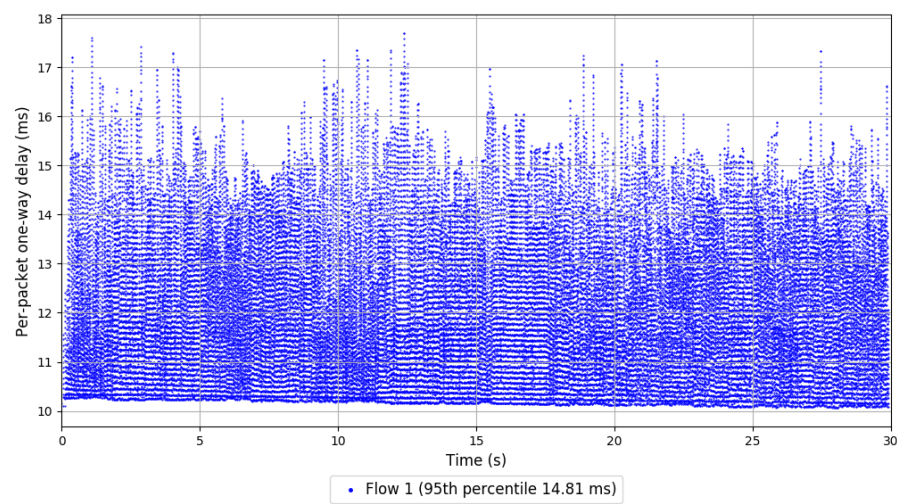
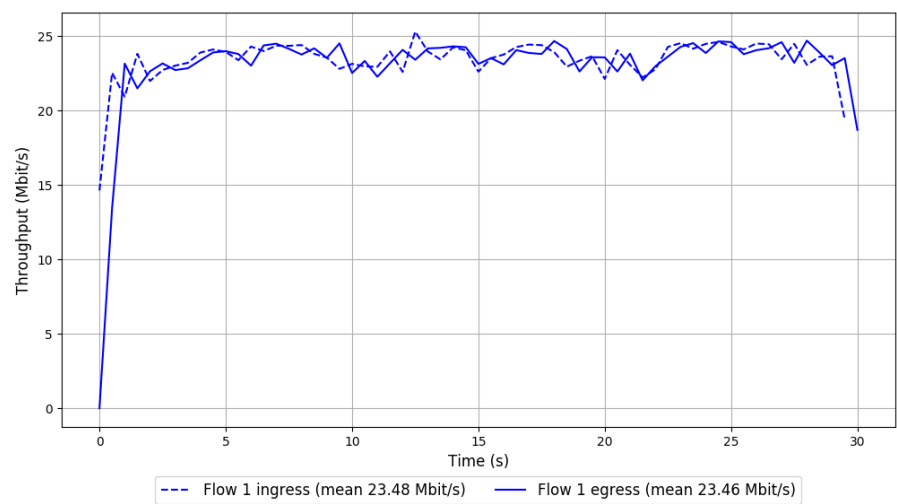


Run 3: Statistics of Sprout

Start at: 2019-03-09 08:46:20
End at: 2019-03-09 08:46:50
Local clock offset: -0.859 ms
Remote clock offset: -0.903 ms

Below is generated by plot.py at 2019-03-09 09:51:11
Datalink statistics
-- Total of 1 flow:
Average throughput: 23.46 Mbit/s
95th percentile per-packet one-way delay: 14.814 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 23.46 Mbit/s
95th percentile per-packet one-way delay: 14.814 ms
Loss rate: 0.10%

Run 3: Report of Sprout — Data Link

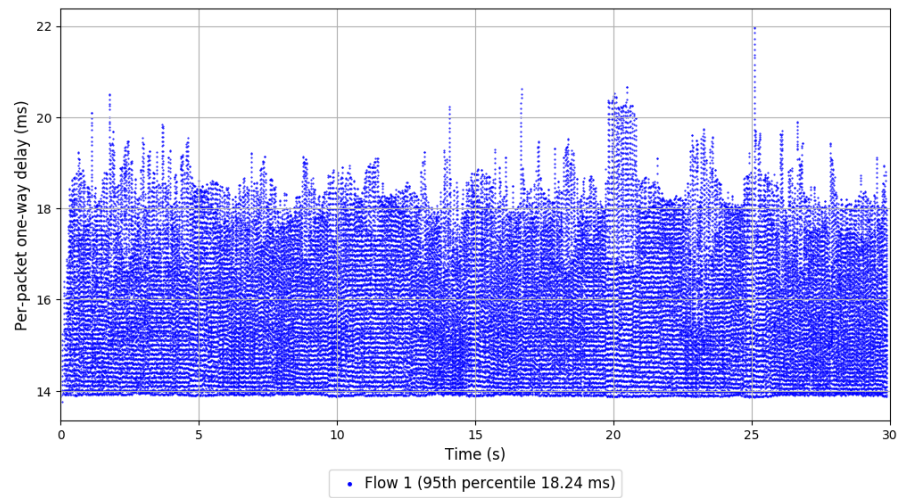
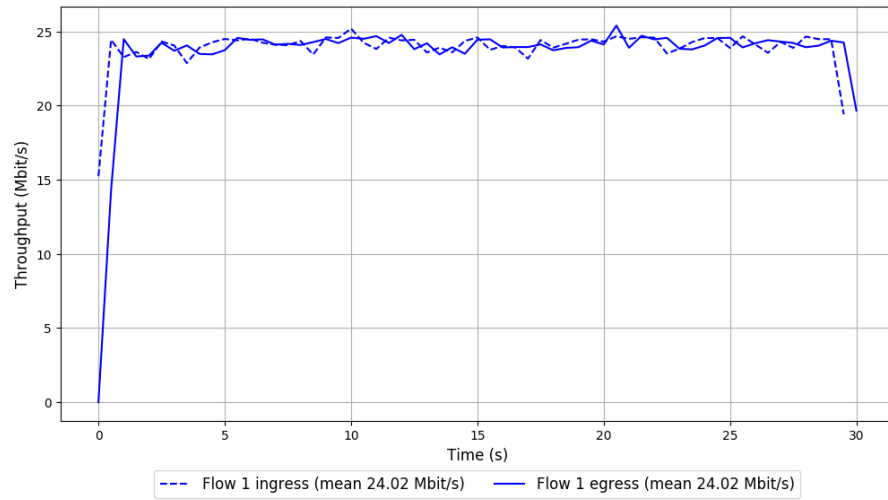


Run 4: Statistics of Sprout

Start at: 2019-03-09 09:11:33
End at: 2019-03-09 09:12:03
Local clock offset: 6.275 ms
Remote clock offset: -1.403 ms

Below is generated by plot.py at 2019-03-09 09:51:11
Datalink statistics
-- Total of 1 flow:
Average throughput: 24.02 Mbit/s
95th percentile per-packet one-way delay: 18.239 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 24.02 Mbit/s
95th percentile per-packet one-way delay: 18.239 ms
Loss rate: 0.07%

Run 4: Report of Sprout — Data Link

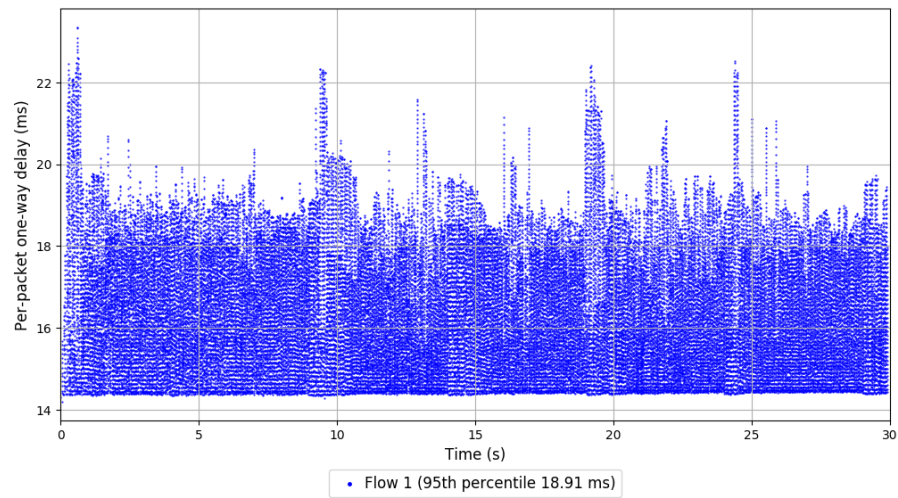
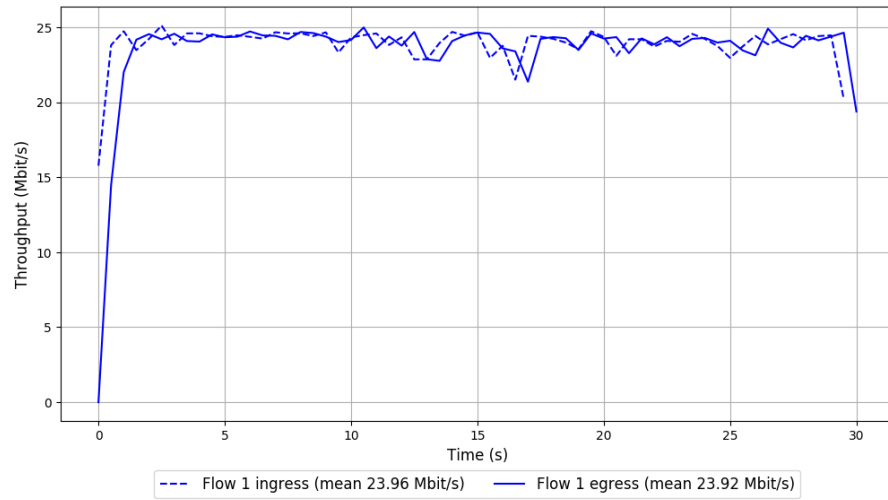


Run 5: Statistics of Sprout

Start at: 2019-03-09 09:36:41
End at: 2019-03-09 09:37:11
Local clock offset: 0.449 ms
Remote clock offset: -0.224 ms

Below is generated by plot.py at 2019-03-09 09:51:11
Datalink statistics
-- Total of 1 flow:
Average throughput: 23.92 Mbit/s
95th percentile per-packet one-way delay: 18.914 ms
Loss rate: 0.29%
-- Flow 1:
Average throughput: 23.92 Mbit/s
95th percentile per-packet one-way delay: 18.914 ms
Loss rate: 0.29%

Run 5: Report of Sprout — Data Link



Run 1: Statistics of TaoVA-100x

Start at: 2019-03-09 07:39:25

End at: 2019-03-09 07:39:55

Local clock offset: 1.686 ms

Remote clock offset: -3.199 ms

Below is generated by plot.py at 2019-03-09 09:52:39

Datalink statistics

-- Total of 1 flow:

Average throughput: 86.54 Mbit/s

95th percentile per-packet one-way delay: 13.910 ms

Loss rate: 0.10%

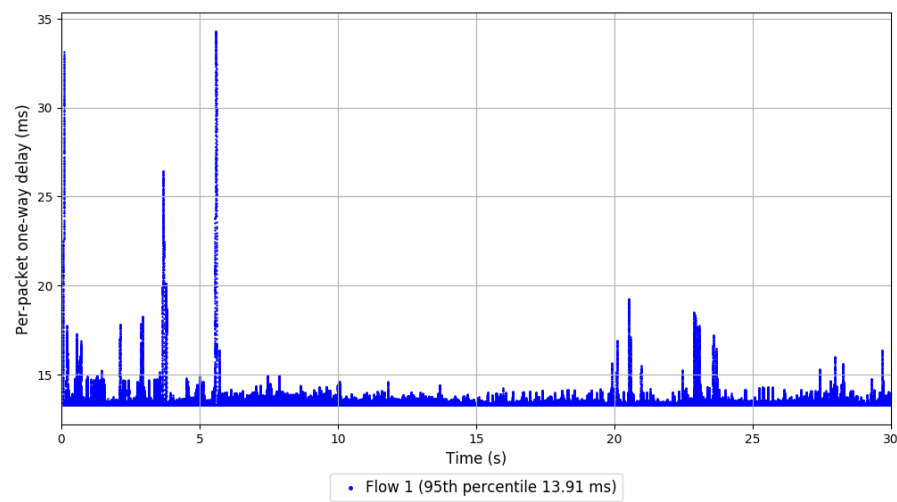
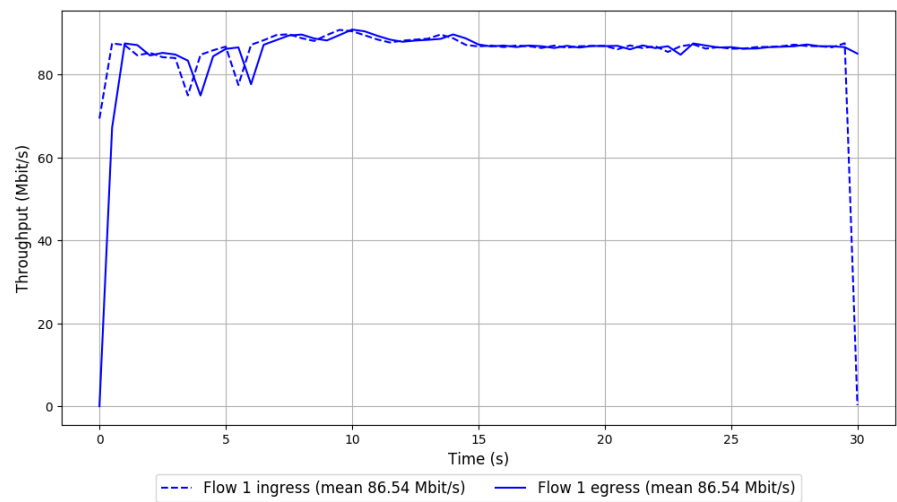
-- Flow 1:

Average throughput: 86.54 Mbit/s

95th percentile per-packet one-way delay: 13.910 ms

Loss rate: 0.10%

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

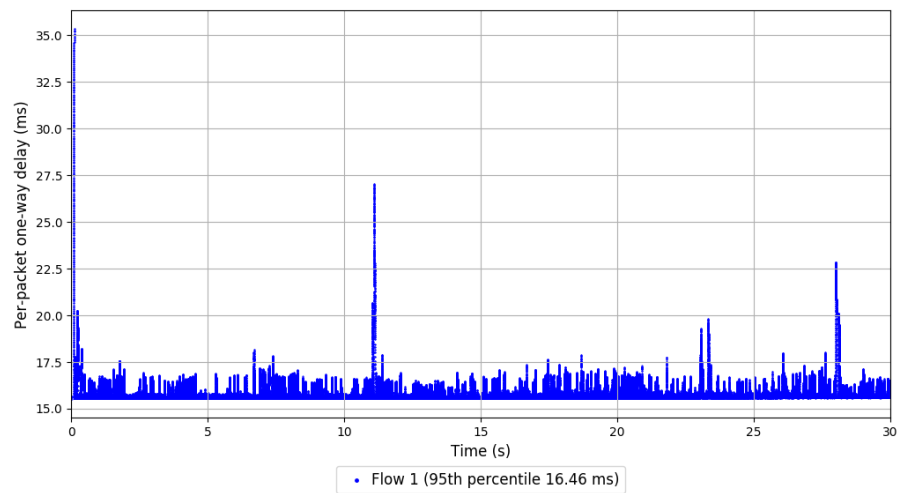
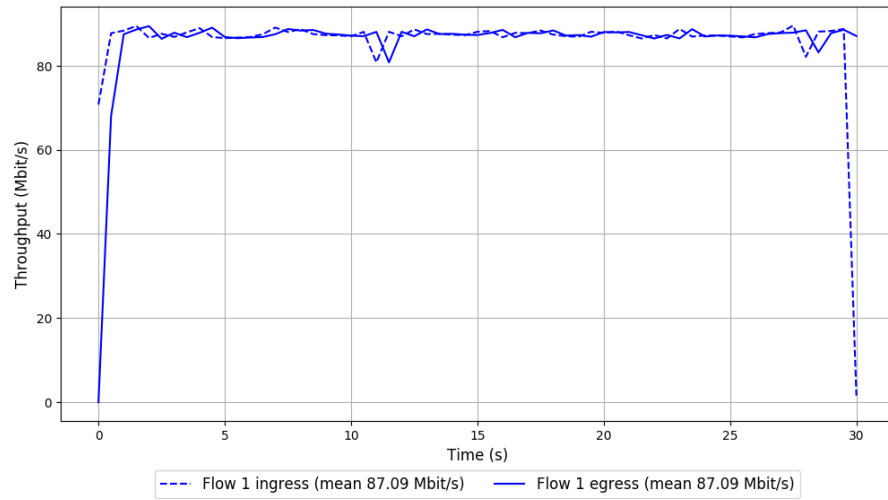


Run 2: Statistics of TaoVA-100x

Start at: 2019-03-09 08:04:55
End at: 2019-03-09 08:05:25
Local clock offset: -2.869 ms
Remote clock offset: -4.954 ms

Below is generated by plot.py at 2019-03-09 09:52:42
Datalink statistics
-- Total of 1 flow:
Average throughput: 87.09 Mbit/s
95th percentile per-packet one-way delay: 16.462 ms
Loss rate: 0.12%
-- Flow 1:
Average throughput: 87.09 Mbit/s
95th percentile per-packet one-way delay: 16.462 ms
Loss rate: 0.12%

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



Run 3: Statistics of TaoVA-100x

Start at: 2019-03-09 08:30:23

End at: 2019-03-09 08:30:53

Local clock offset: 0.985 ms

Remote clock offset: -2.017 ms

Below is generated by plot.py at 2019-03-09 09:52:45

Datalink statistics

-- Total of 1 flow:

Average throughput: 85.89 Mbit/s

95th percentile per-packet one-way delay: 14.876 ms

Loss rate: 0.15%

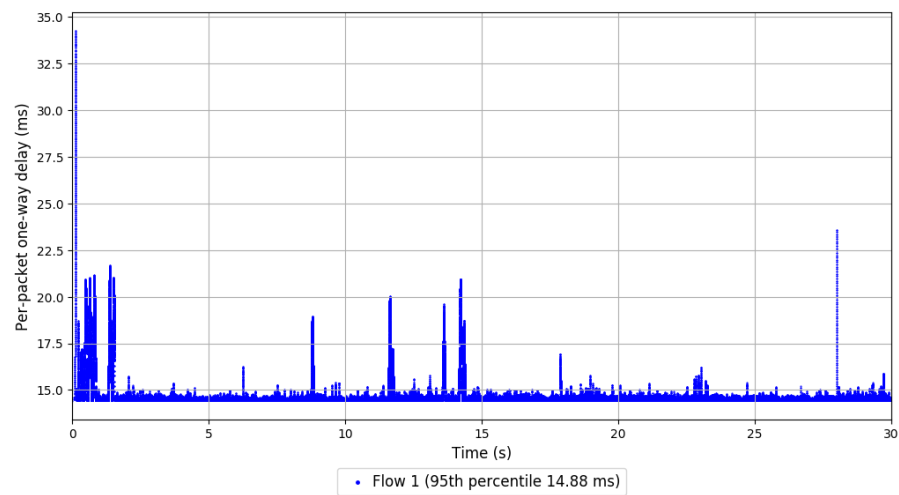
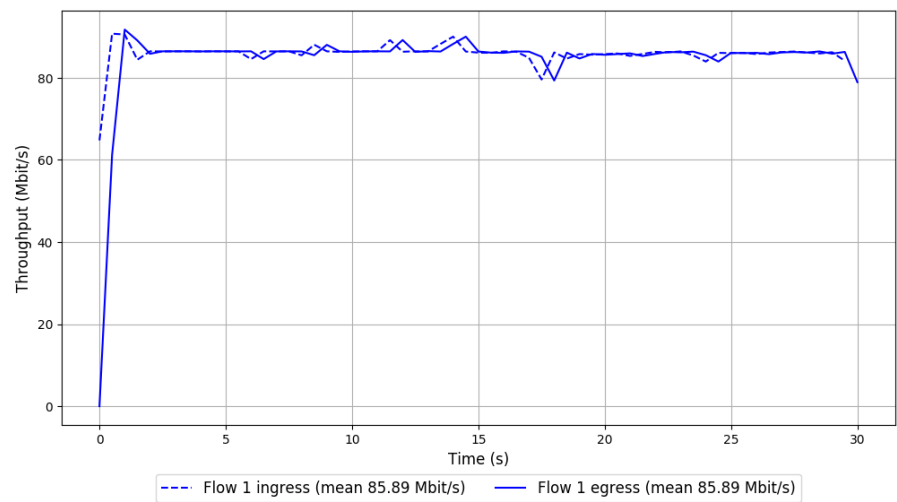
-- Flow 1:

Average throughput: 85.89 Mbit/s

95th percentile per-packet one-way delay: 14.876 ms

Loss rate: 0.15%

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



Run 4: Statistics of TaoVA-100x

Start at: 2019-03-09 08:55:48

End at: 2019-03-09 08:56:18

Local clock offset: 3.999 ms

Remote clock offset: -2.092 ms

Below is generated by plot.py at 2019-03-09 09:52:52

Datalink statistics

-- Total of 1 flow:

Average throughput: 87.63 Mbit/s

95th percentile per-packet one-way delay: 14.587 ms

Loss rate: 0.10%

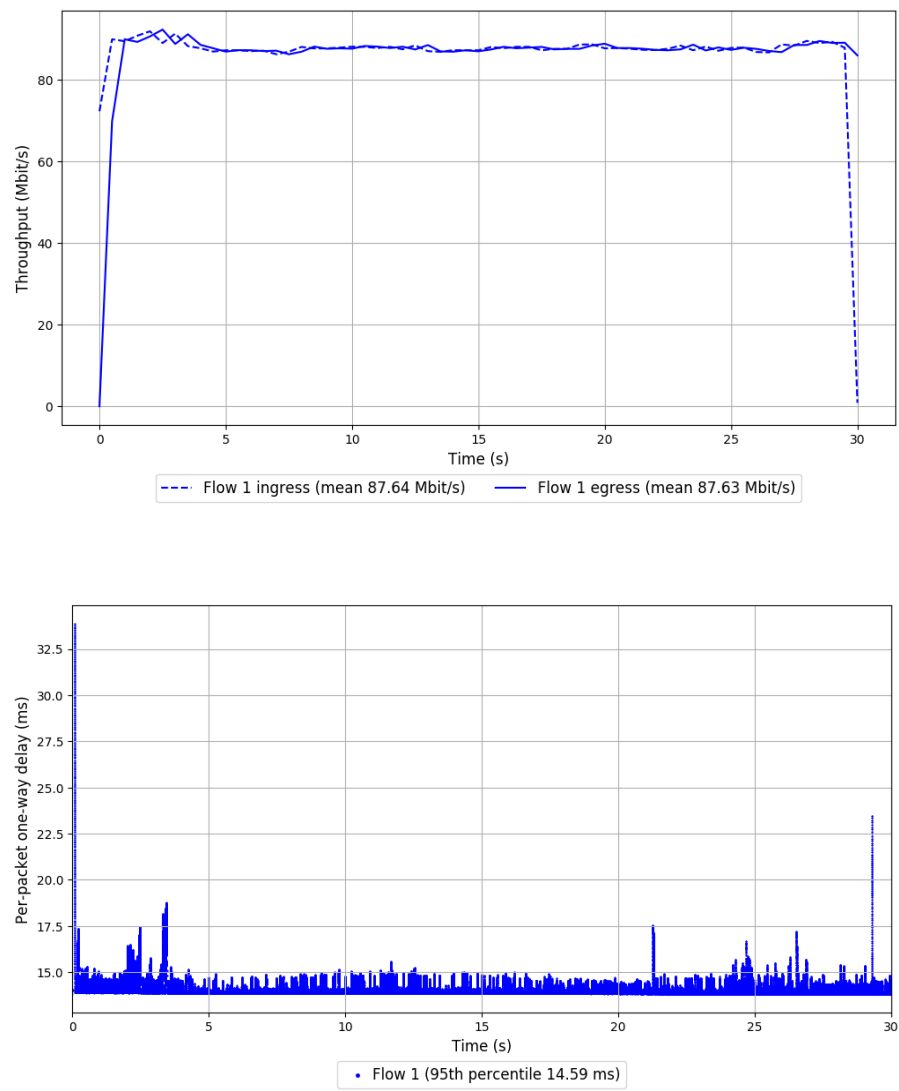
-- Flow 1:

Average throughput: 87.63 Mbit/s

95th percentile per-packet one-way delay: 14.587 ms

Loss rate: 0.10%

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



Run 5: Statistics of TaoVA-100x

Start at: 2019-03-09 09:20:46

End at: 2019-03-09 09:21:16

Local clock offset: 0.299 ms

Remote clock offset: 0.171 ms

Below is generated by plot.py at 2019-03-09 09:52:52

Datalink statistics

-- Total of 1 flow:

Average throughput: 86.45 Mbit/s

95th percentile per-packet one-way delay: 11.204 ms

Loss rate: 0.11%

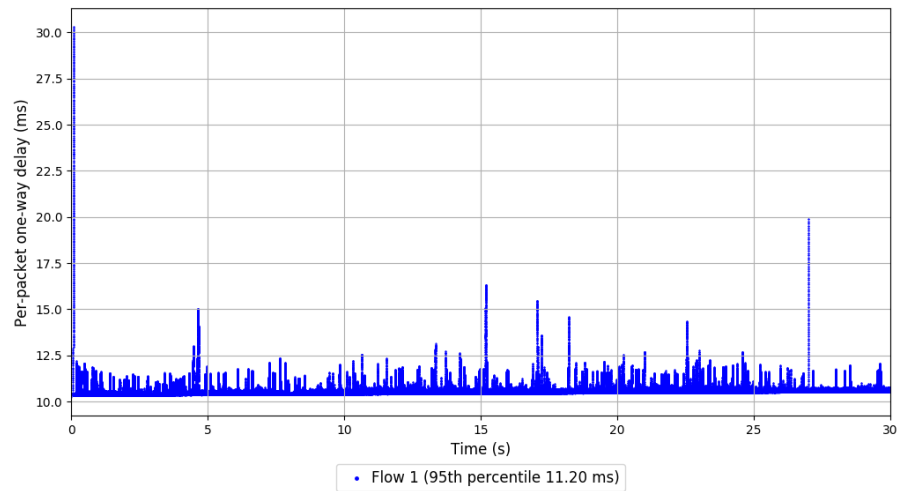
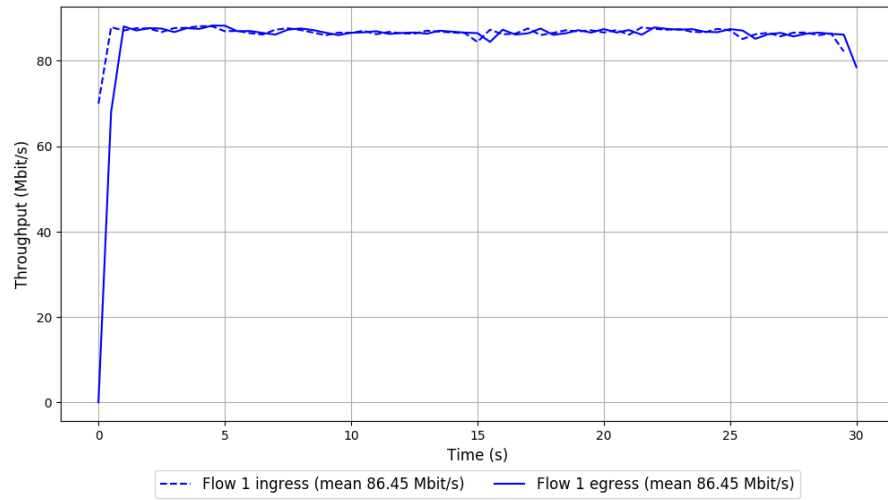
-- Flow 1:

Average throughput: 86.45 Mbit/s

95th percentile per-packet one-way delay: 11.204 ms

Loss rate: 0.11%

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



Run 1: Statistics of TCP Vegas

Start at: 2019-03-09 07:43:16

End at: 2019-03-09 07:43:46

Local clock offset: 2.774 ms

Remote clock offset: -2.778 ms

Below is generated by plot.py at 2019-03-09 09:52:52

Datalink statistics

-- Total of 1 flow:

Average throughput: 32.81 Mbit/s

95th percentile per-packet one-way delay: 14.174 ms

Loss rate: 0.11%

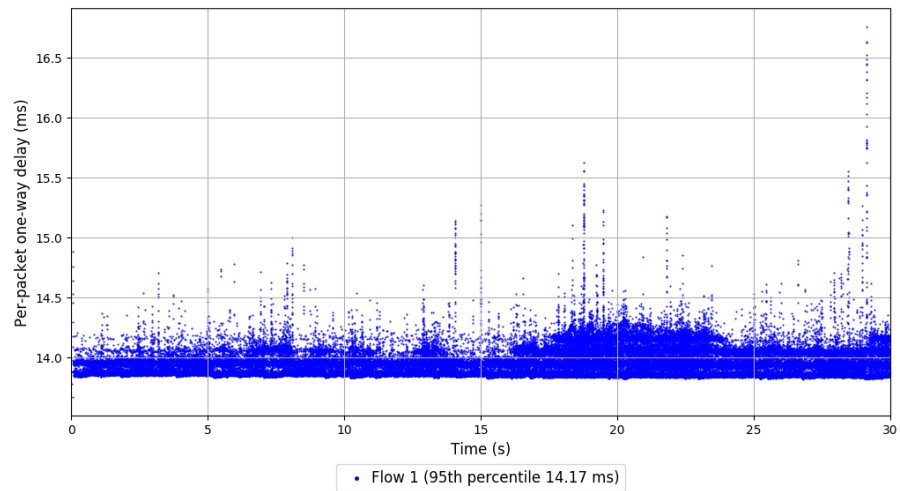
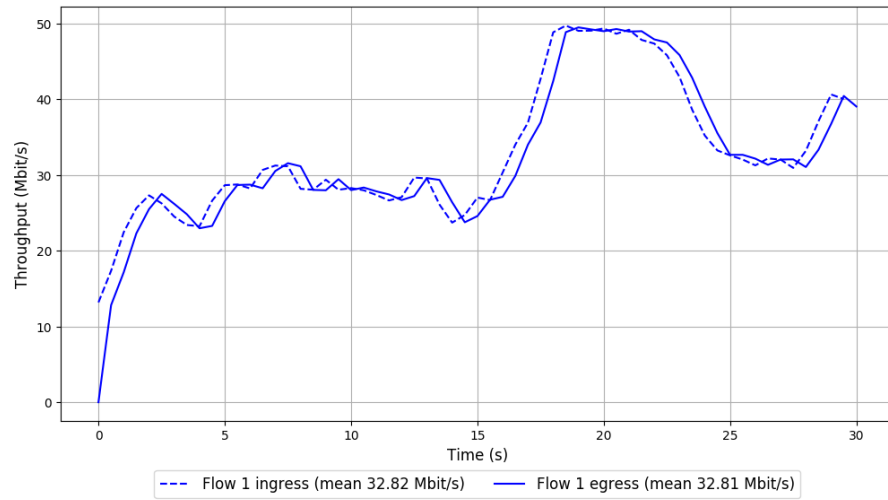
-- Flow 1:

Average throughput: 32.81 Mbit/s

95th percentile per-packet one-way delay: 14.174 ms

Loss rate: 0.11%

Run 1: Report of TCP Vegas — Data Link

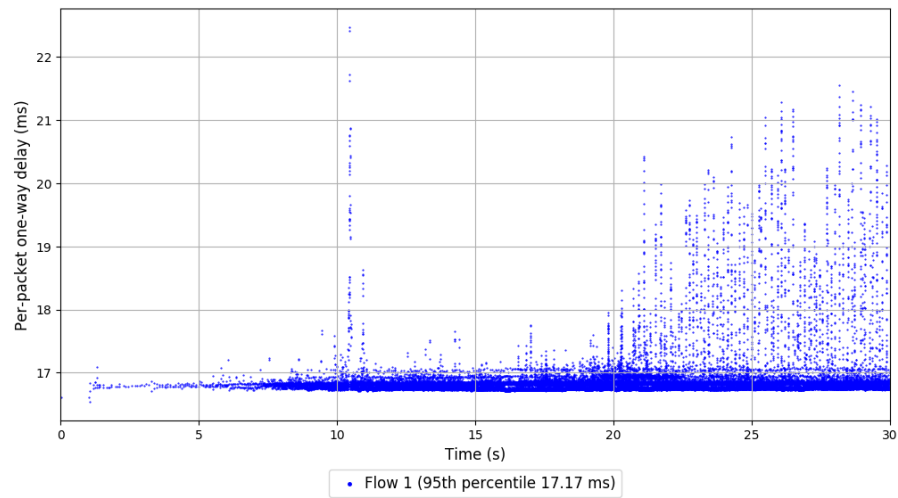
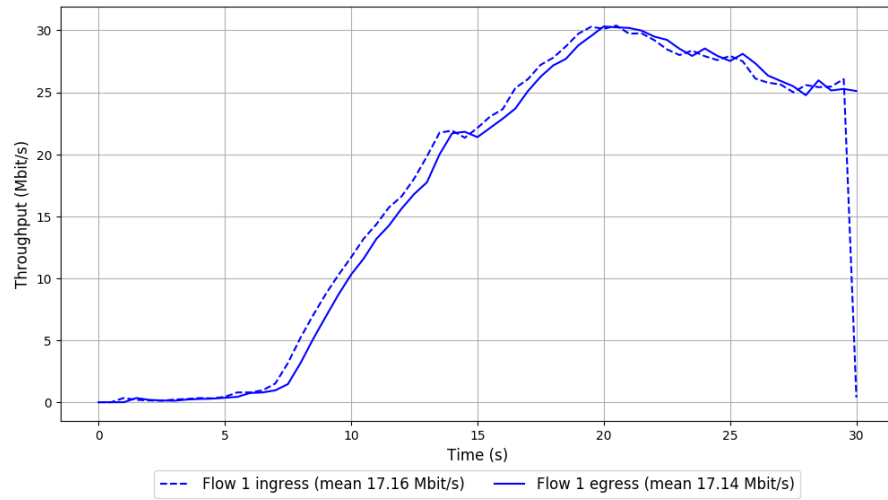


Run 2: Statistics of TCP Vegas

Start at: 2019-03-09 08:09:10
End at: 2019-03-09 08:09:40
Local clock offset: 0.022 ms
Remote clock offset: -2.994 ms

Below is generated by plot.py at 2019-03-09 09:52:52
Datalink statistics
-- Total of 1 flow:
Average throughput: 17.14 Mbit/s
95th percentile per-packet one-way delay: 17.166 ms
Loss rate: 0.24%
-- Flow 1:
Average throughput: 17.14 Mbit/s
95th percentile per-packet one-way delay: 17.166 ms
Loss rate: 0.24%

Run 2: Report of TCP Vegas — Data Link

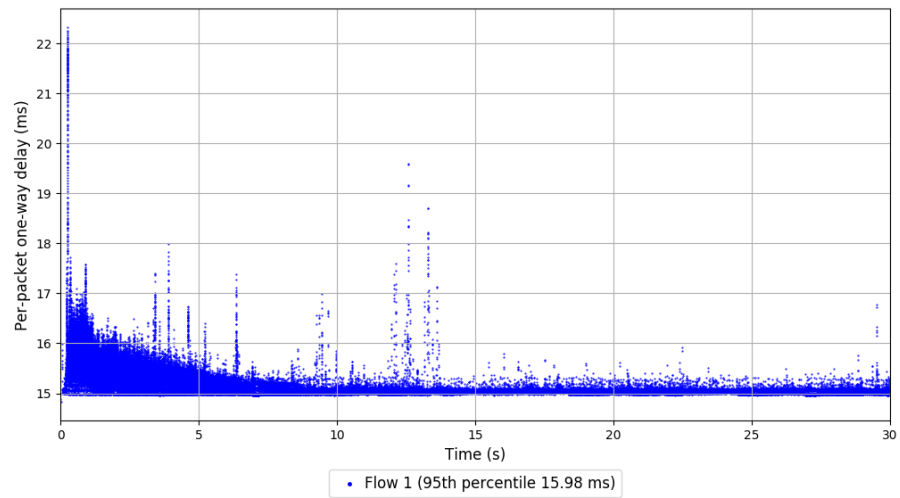
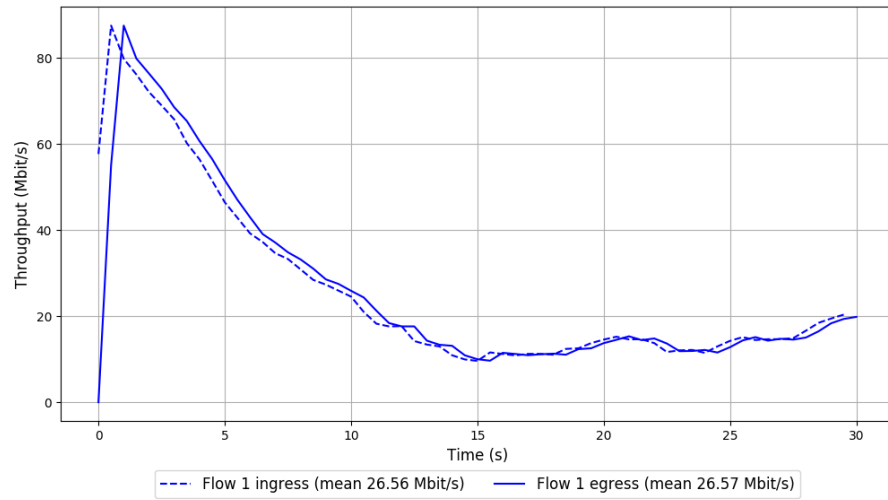


Run 3: Statistics of TCP Vegas

Start at: 2019-03-09 08:34:12
End at: 2019-03-09 08:34:42
Local clock offset: 0.53 ms
Remote clock offset: -3.084 ms

Below is generated by plot.py at 2019-03-09 09:52:52
Datalink statistics
-- Total of 1 flow:
Average throughput: 26.57 Mbit/s
95th percentile per-packet one-way delay: 15.982 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 26.57 Mbit/s
95th percentile per-packet one-way delay: 15.982 ms
Loss rate: 0.08%

Run 3: Report of TCP Vegas — Data Link



Run 4: Statistics of TCP Vegas

Start at: 2019-03-09 08:59:33

End at: 2019-03-09 09:00:03

Local clock offset: 4.637 ms

Remote clock offset: -0.55 ms

Below is generated by plot.py at 2019-03-09 09:52:52

Datalink statistics

-- Total of 1 flow:

Average throughput: 33.42 Mbit/s

95th percentile per-packet one-way delay: 12.738 ms

Loss rate: 0.09%

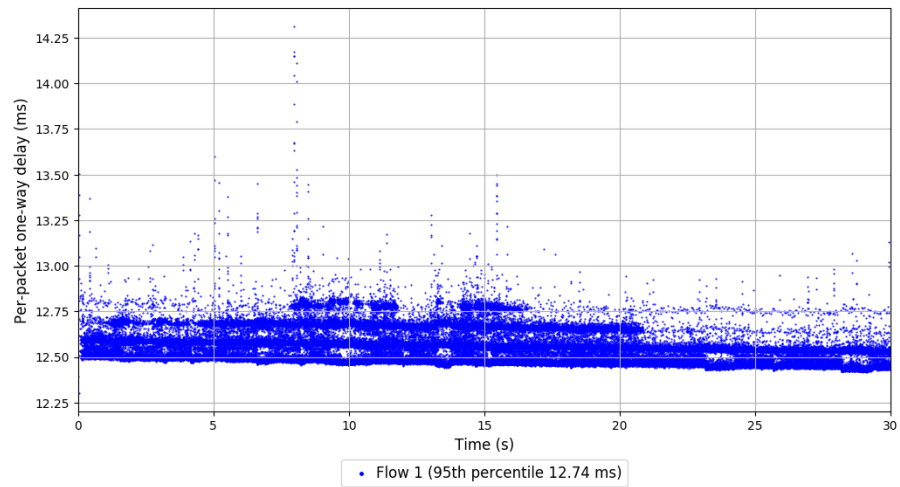
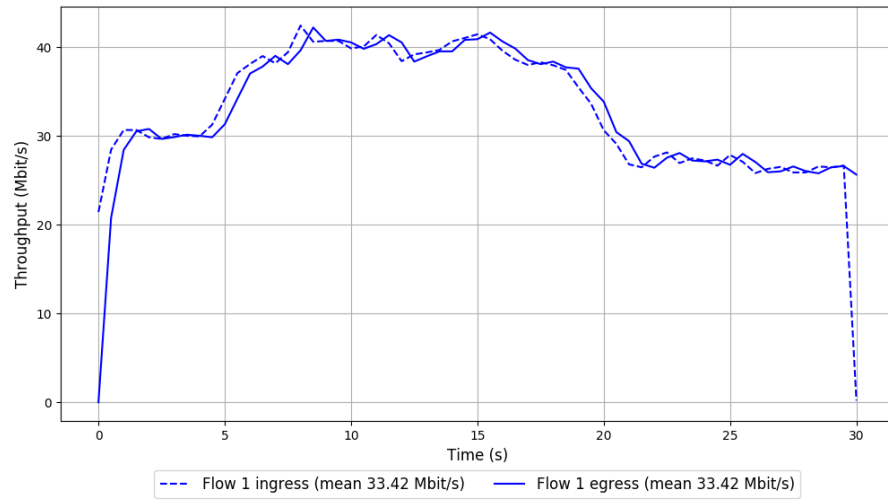
-- Flow 1:

Average throughput: 33.42 Mbit/s

95th percentile per-packet one-way delay: 12.738 ms

Loss rate: 0.09%

Run 4: Report of TCP Vegas — Data Link

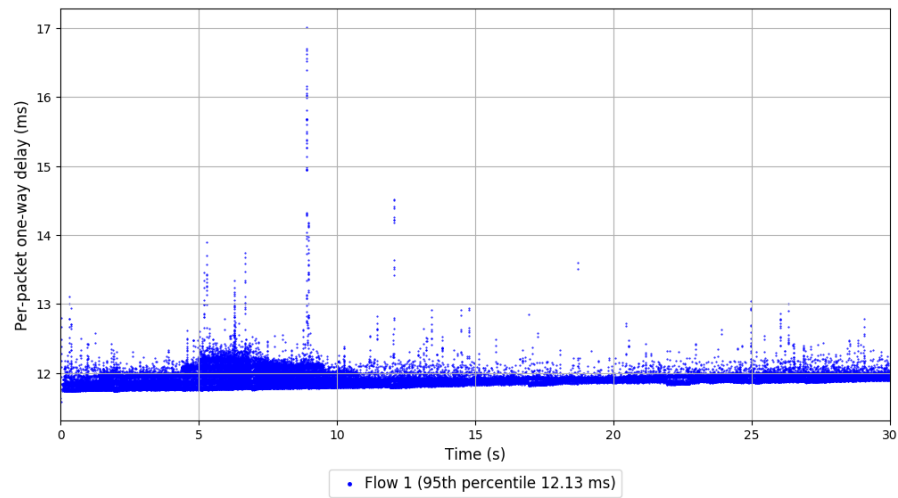
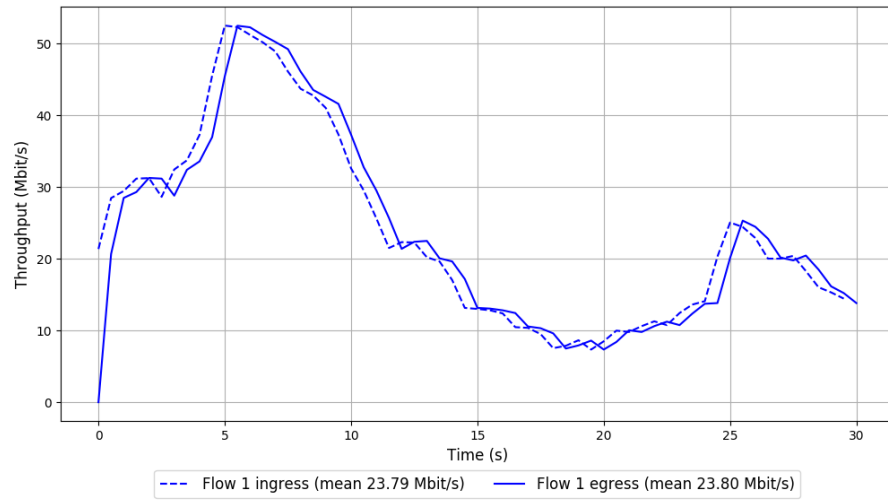


Run 5: Statistics of TCP Vegas

Start at: 2019-03-09 09:24:30
End at: 2019-03-09 09:25:00
Local clock offset: 0.163 ms
Remote clock offset: -0.059 ms

Below is generated by plot.py at 2019-03-09 09:52:52
Datalink statistics
-- Total of 1 flow:
Average throughput: 23.80 Mbit/s
95th percentile per-packet one-way delay: 12.128 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 23.80 Mbit/s
95th percentile per-packet one-way delay: 12.128 ms
Loss rate: 0.07%

Run 5: Report of TCP Vegas — Data Link

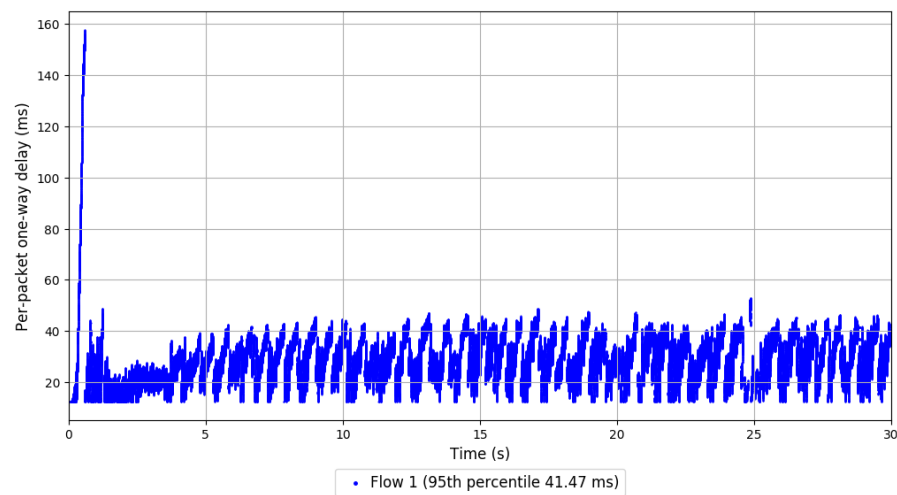
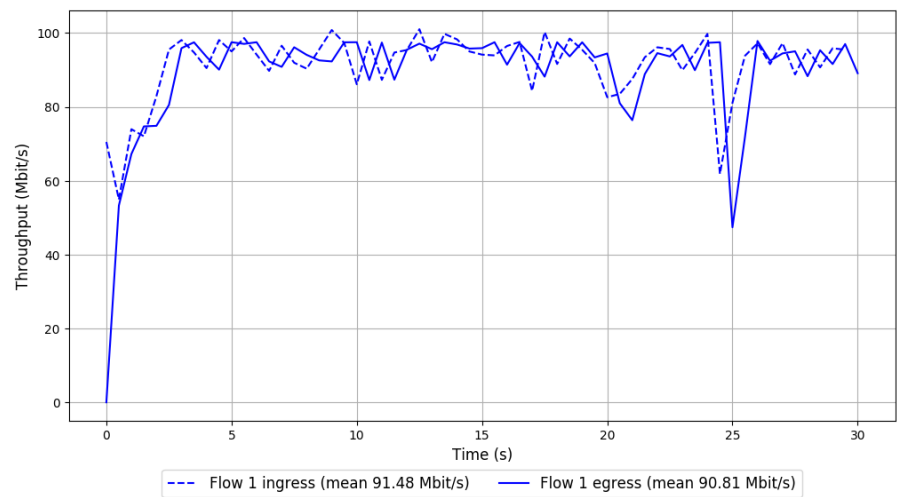


Run 1: Statistics of Verus

Start at: 2019-03-09 07:57:51
End at: 2019-03-09 07:58:21
Local clock offset: -0.952 ms
Remote clock offset: -1.859 ms

Below is generated by plot.py at 2019-03-09 09:52:52
Datalink statistics
-- Total of 1 flow:
Average throughput: 90.81 Mbit/s
95th percentile per-packet one-way delay: 41.466 ms
Loss rate: 0.82%
-- Flow 1:
Average throughput: 90.81 Mbit/s
95th percentile per-packet one-way delay: 41.466 ms
Loss rate: 0.82%

Run 1: Report of Verus — Data Link

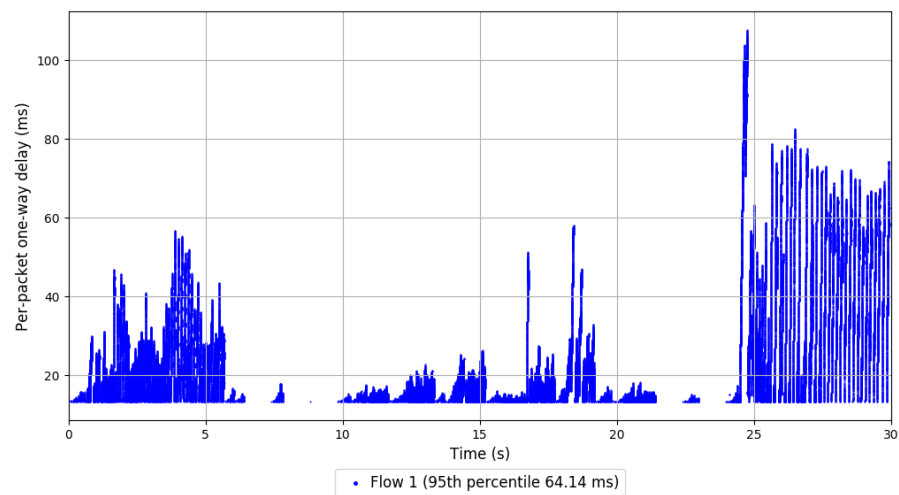
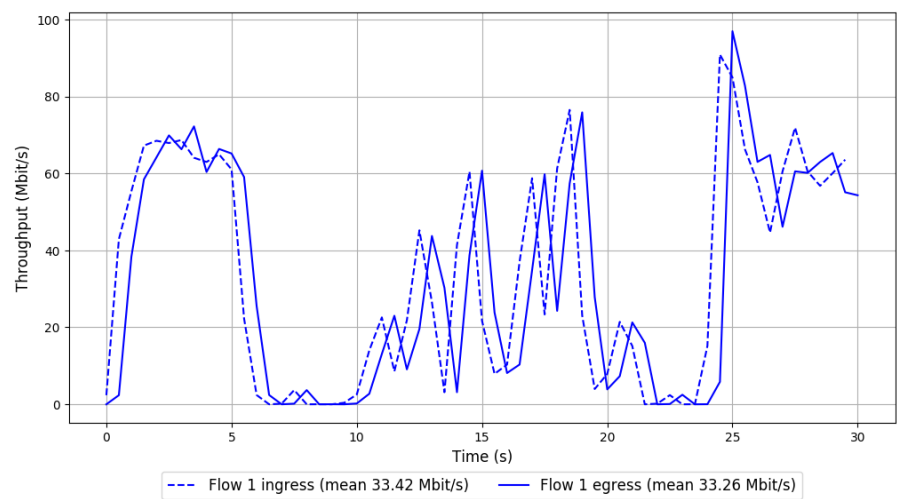


Run 2: Statistics of Verus

Start at: 2019-03-09 08:23:09
End at: 2019-03-09 08:23:39
Local clock offset: 0.314 ms
Remote clock offset: -0.982 ms

Below is generated by plot.py at 2019-03-09 09:52:52
Datalink statistics
-- Total of 1 flow:
Average throughput: 33.26 Mbit/s
95th percentile per-packet one-way delay: 64.138 ms
Loss rate: 0.75%
-- Flow 1:
Average throughput: 33.26 Mbit/s
95th percentile per-packet one-way delay: 64.138 ms
Loss rate: 0.75%

Run 2: Report of Verus — Data Link

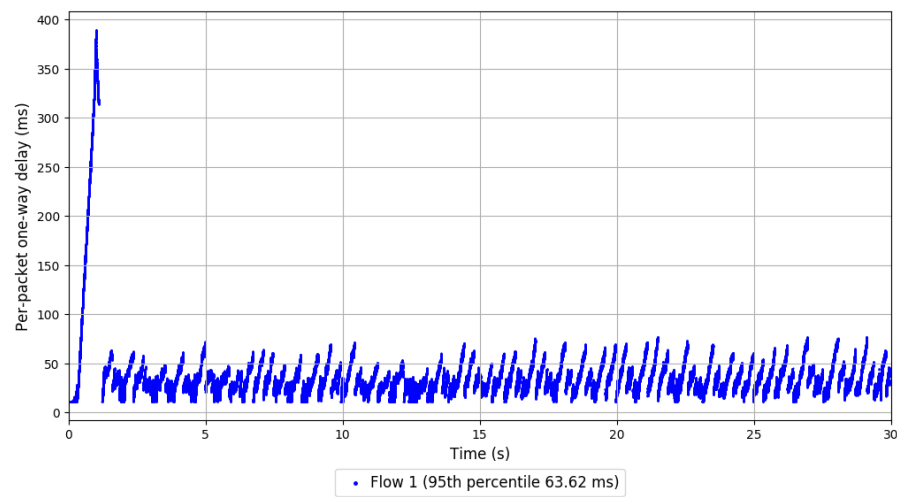
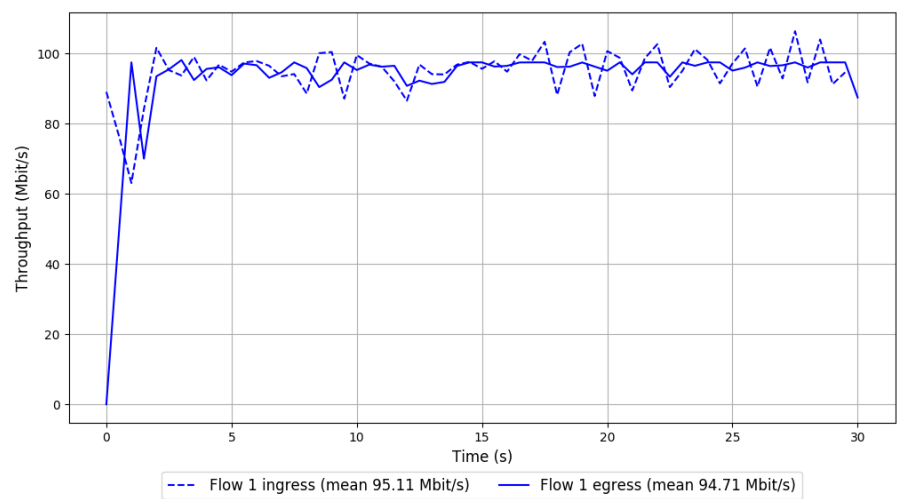


Run 3: Statistics of Verus

Start at: 2019-03-09 08:48:43
End at: 2019-03-09 08:49:13
Local clock offset: 1.265 ms
Remote clock offset: -0.509 ms

Below is generated by plot.py at 2019-03-09 09:52:52
Datalink statistics
-- Total of 1 flow:
Average throughput: 94.71 Mbit/s
95th percentile per-packet one-way delay: 63.621 ms
Loss rate: 0.54%
-- Flow 1:
Average throughput: 94.71 Mbit/s
95th percentile per-packet one-way delay: 63.621 ms
Loss rate: 0.54%

Run 3: Report of Verus — Data Link

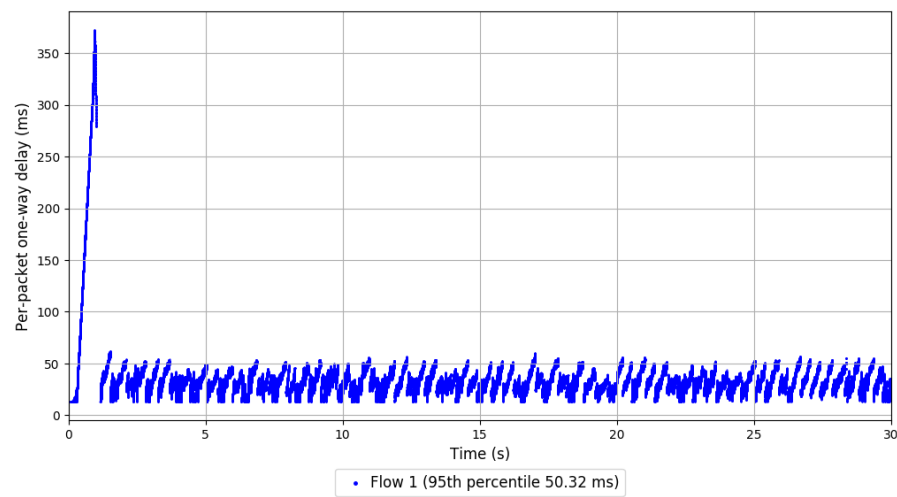
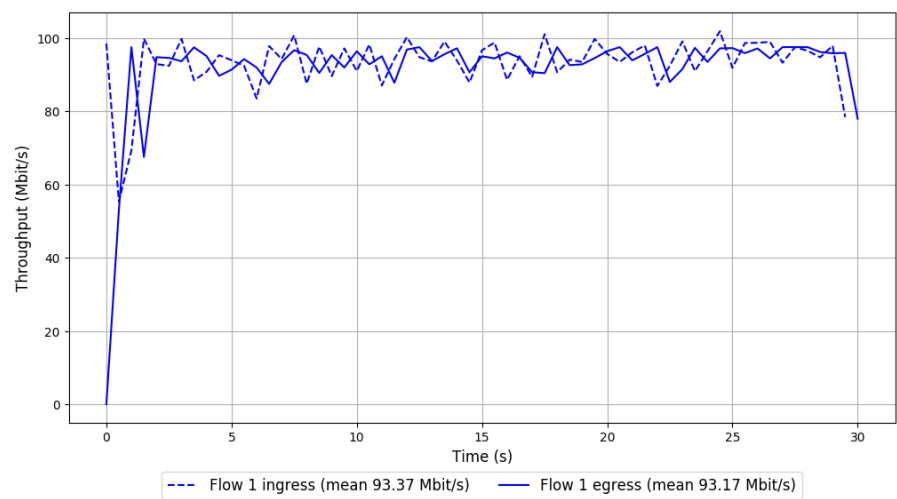


Run 4: Statistics of Verus

Start at: 2019-03-09 09:13:50
End at: 2019-03-09 09:14:20
Local clock offset: 6.552 ms
Remote clock offset: -0.375 ms

Below is generated by plot.py at 2019-03-09 09:53:00
Datalink statistics
-- Total of 1 flow:
Average throughput: 93.17 Mbit/s
95th percentile per-packet one-way delay: 50.323 ms
Loss rate: 0.30%
-- Flow 1:
Average throughput: 93.17 Mbit/s
95th percentile per-packet one-way delay: 50.323 ms
Loss rate: 0.30%

Run 4: Report of Verus — Data Link

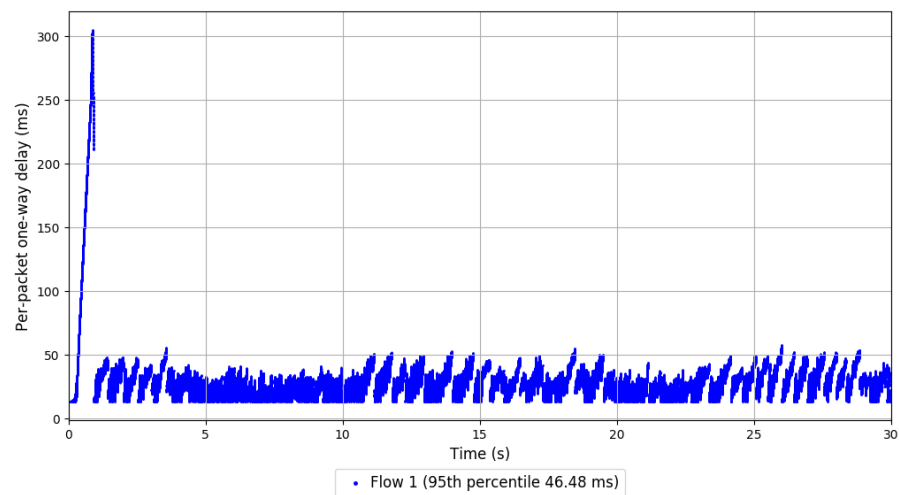
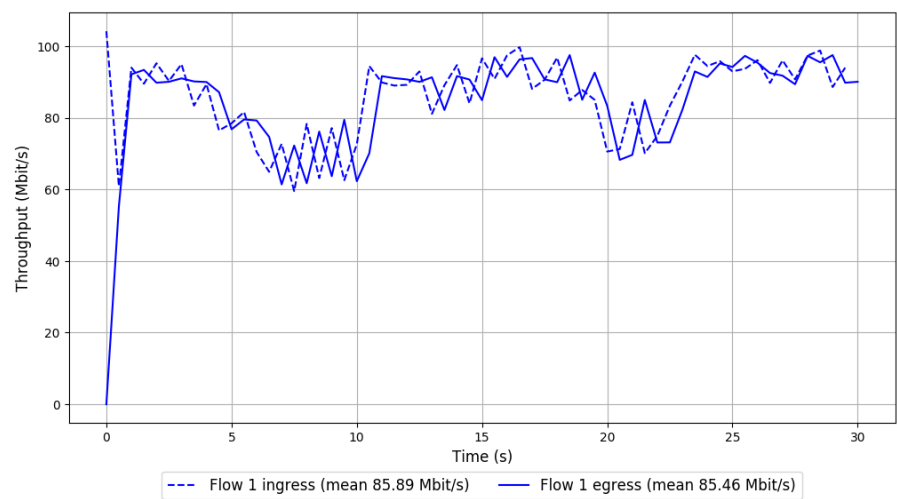


Run 5: Statistics of Verus

Start at: 2019-03-09 09:39:02
End at: 2019-03-09 09:39:32
Local clock offset: -1.741 ms
Remote clock offset: -1.038 ms

Below is generated by plot.py at 2019-03-09 09:53:06
Datalink statistics
-- Total of 1 flow:
Average throughput: 85.46 Mbit/s
95th percentile per-packet one-way delay: 46.476 ms
Loss rate: 0.58%
-- Flow 1:
Average throughput: 85.46 Mbit/s
95th percentile per-packet one-way delay: 46.476 ms
Loss rate: 0.58%

Run 5: Report of Verus — Data Link



Run 1: Statistics of PCC-Vivace

Start at: 2019-03-09 07:54:22

End at: 2019-03-09 07:54:52

Local clock offset: 0.133 ms

Remote clock offset: -1.735 ms

Below is generated by plot.py at 2019-03-09 09:53:06

Datalink statistics

-- Total of 1 flow:

Average throughput: 16.37 Mbit/s

95th percentile per-packet one-way delay: 13.411 ms

Loss rate: 0.51%

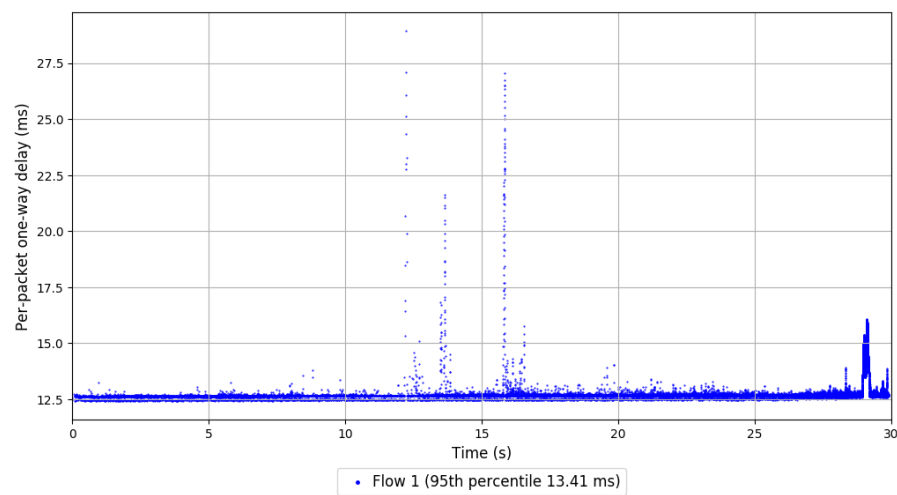
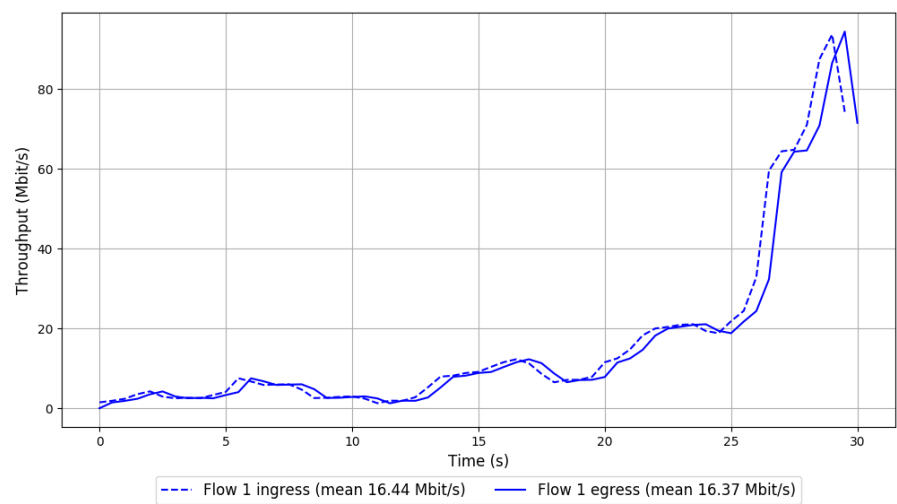
-- Flow 1:

Average throughput: 16.37 Mbit/s

95th percentile per-packet one-way delay: 13.411 ms

Loss rate: 0.51%

Run 1: Report of PCC-Vivace — Data Link

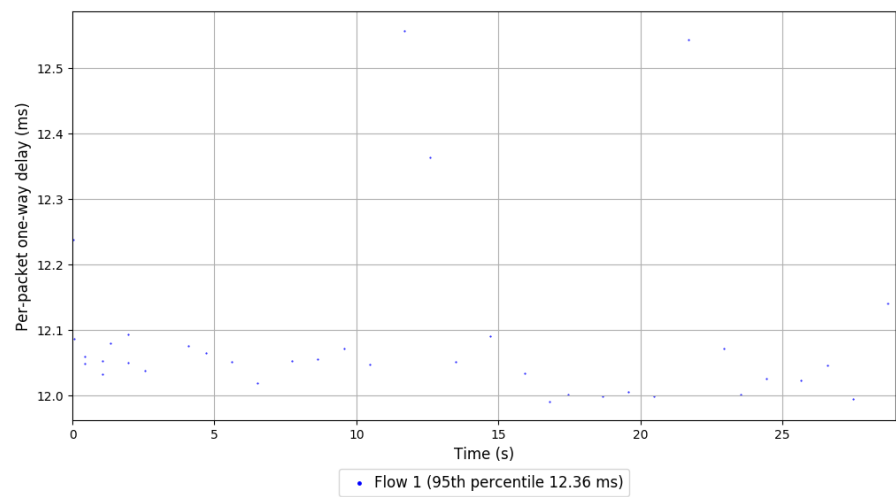
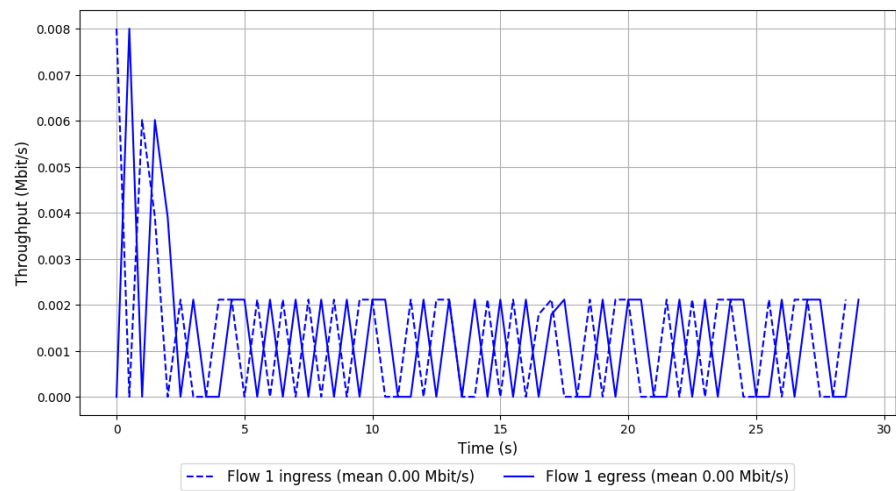


Run 2: Statistics of PCC-Vivace

Start at: 2019-03-09 08:19:50
End at: 2019-03-09 08:20:20
Local clock offset: -1.179 ms
Remote clock offset: -0.912 ms

Below is generated by plot.py at 2019-03-09 09:53:06
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.00 Mbit/s
95th percentile per-packet one-way delay: 12.364 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.00 Mbit/s
95th percentile per-packet one-way delay: 12.364 ms
Loss rate: 0.00%

Run 2: Report of PCC-Vivace — Data Link

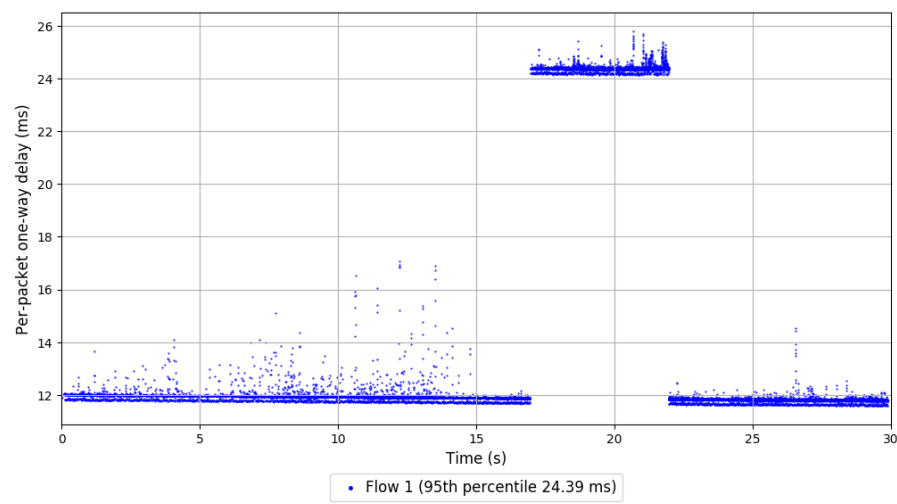
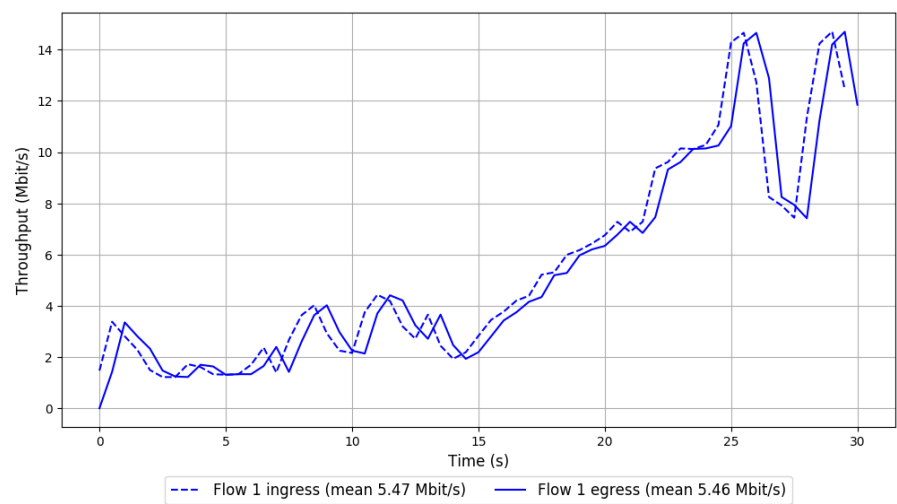


Run 3: Statistics of PCC-Vivace

Start at: 2019-03-09 08:45:13
End at: 2019-03-09 08:45:43
Local clock offset: 0.517 ms
Remote clock offset: -0.831 ms

Below is generated by plot.py at 2019-03-09 09:53:06
Datalink statistics
-- Total of 1 flow:
Average throughput: 5.46 Mbit/s
95th percentile per-packet one-way delay: 24.387 ms
Loss rate: 0.29%
-- Flow 1:
Average throughput: 5.46 Mbit/s
95th percentile per-packet one-way delay: 24.387 ms
Loss rate: 0.29%

Run 3: Report of PCC-Vivace — Data Link



Run 4: Statistics of PCC-Vivace

Start at: 2019-03-09 09:10:27

End at: 2019-03-09 09:10:57

Local clock offset: 3.375 ms

Remote clock offset: -0.94 ms

Below is generated by plot.py at 2019-03-09 09:53:06

Datalink statistics

-- Total of 1 flow:

Average throughput: 4.00 Mbit/s

95th percentile per-packet one-way delay: 10.663 ms

Loss rate: 0.03%

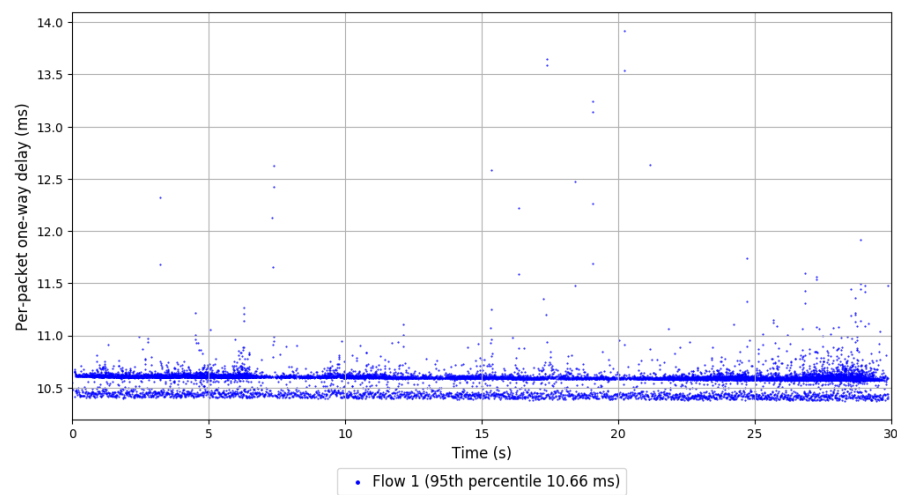
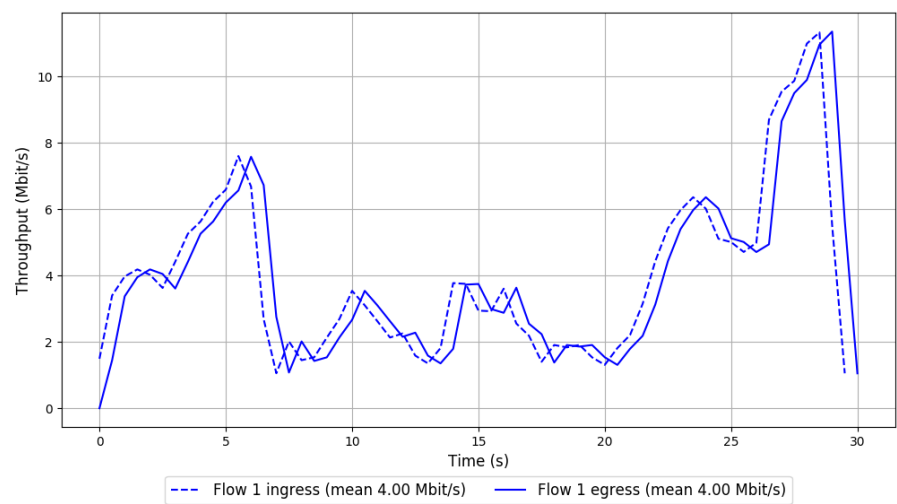
-- Flow 1:

Average throughput: 4.00 Mbit/s

95th percentile per-packet one-way delay: 10.663 ms

Loss rate: 0.03%

Run 4: Report of PCC-Vivace — Data Link

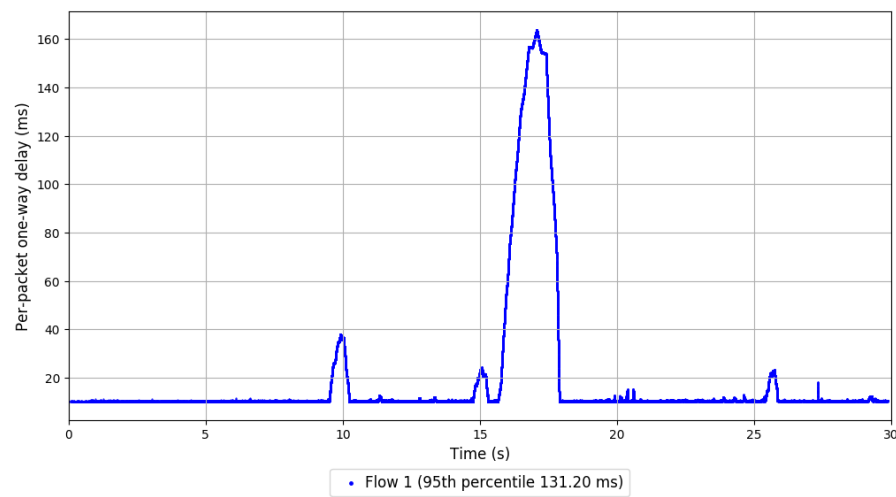
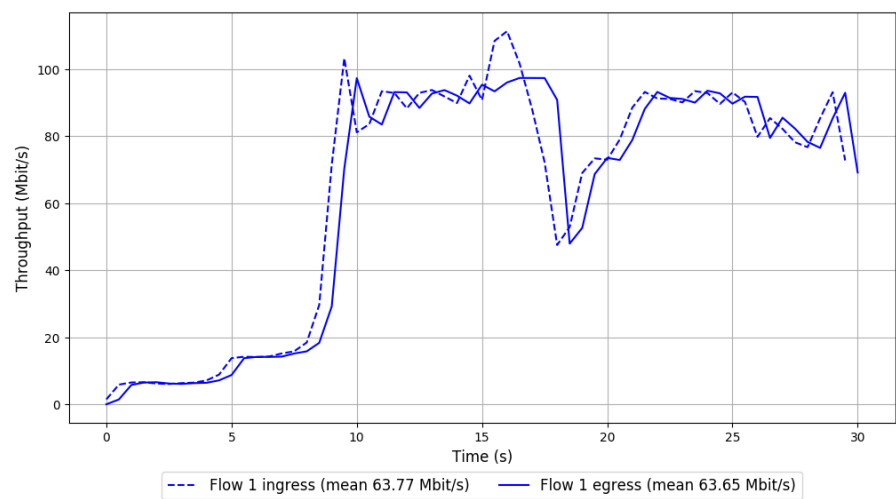


Run 5: Statistics of PCC-Vivace

Start at: 2019-03-09 09:35:21
End at: 2019-03-09 09:35:51
Local clock offset: -3.411 ms
Remote clock offset: -0.032 ms

Below is generated by plot.py at 2019-03-09 09:53:06
Datalink statistics
-- Total of 1 flow:
Average throughput: 63.65 Mbit/s
95th percentile per-packet one-way delay: 131.196 ms
Loss rate: 0.28%
-- Flow 1:
Average throughput: 63.65 Mbit/s
95th percentile per-packet one-way delay: 131.196 ms
Loss rate: 0.28%

Run 5: Report of PCC-Vivace — Data Link

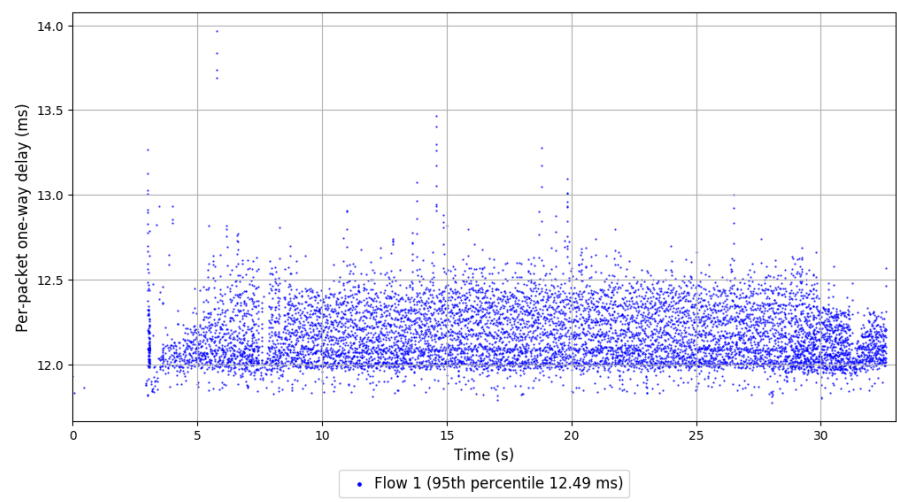
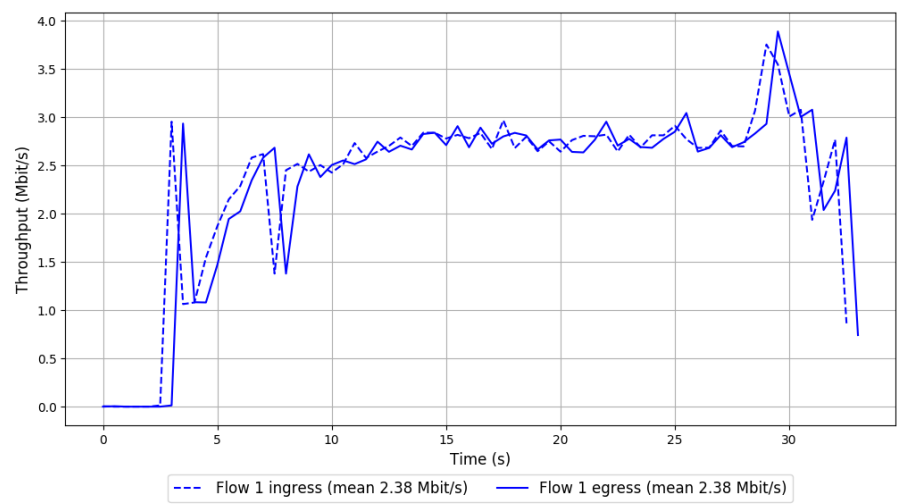


Run 1: Statistics of WebRTC media

Start at: 2019-03-09 07:38:20
End at: 2019-03-09 07:38:50
Local clock offset: 1.119 ms
Remote clock offset: -2.438 ms

Below is generated by plot.py at 2019-03-09 09:53:06
Datalink statistics
-- Total of 1 flow:
Average throughput: 2.38 Mbit/s
95th percentile per-packet one-way delay: 12.487 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 2.38 Mbit/s
95th percentile per-packet one-way delay: 12.487 ms
Loss rate: 0.13%

Run 1: Report of WebRTC media — Data Link

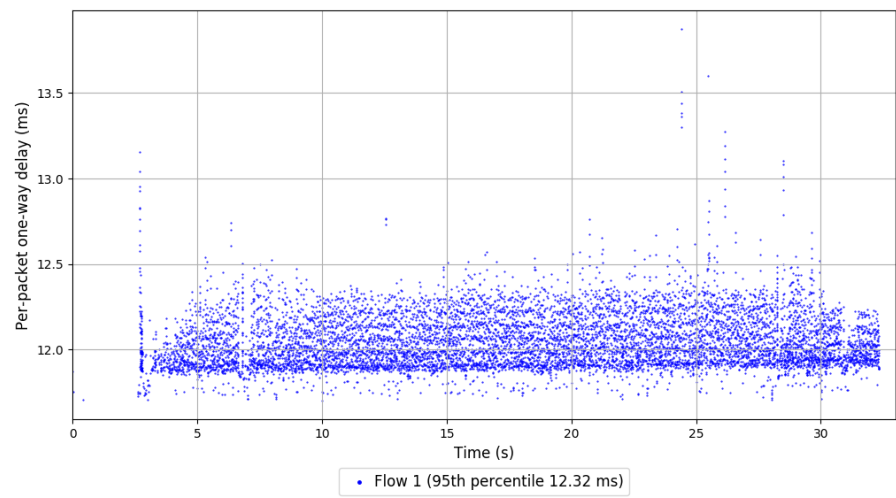
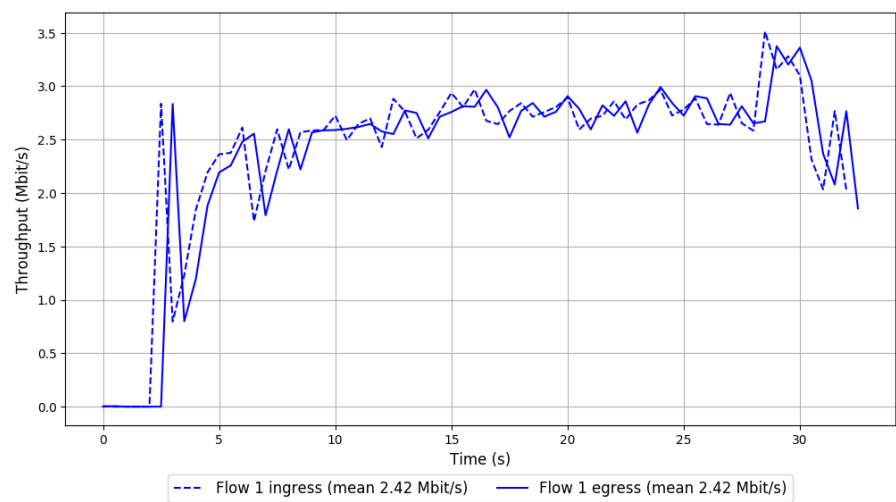


Run 2: Statistics of WebRTC media

Start at: 2019-03-09 08:03:50
End at: 2019-03-09 08:04:20
Local clock offset: -2.483 ms
Remote clock offset: -0.949 ms

Below is generated by plot.py at 2019-03-09 09:53:06
Datalink statistics
-- Total of 1 flow:
Average throughput: 2.42 Mbit/s
95th percentile per-packet one-way delay: 12.318 ms
Loss rate: 0.11%
-- Flow 1:
Average throughput: 2.42 Mbit/s
95th percentile per-packet one-way delay: 12.318 ms
Loss rate: 0.11%

Run 2: Report of WebRTC media — Data Link

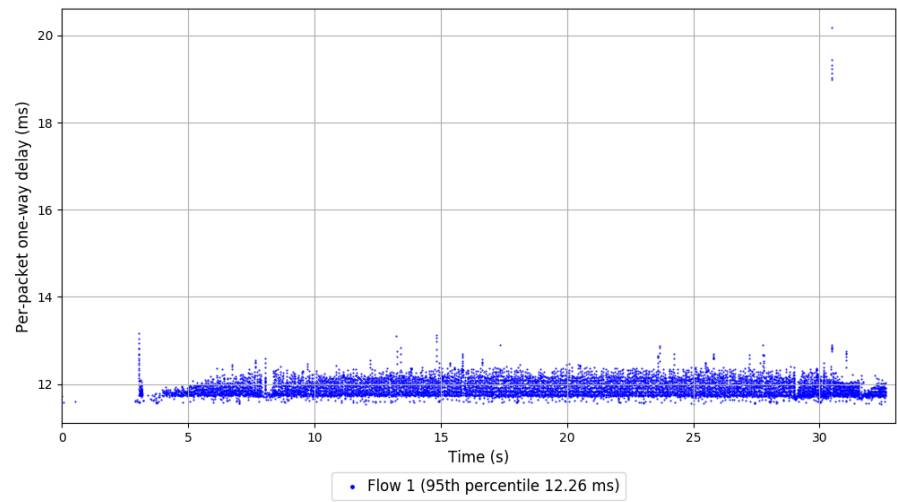
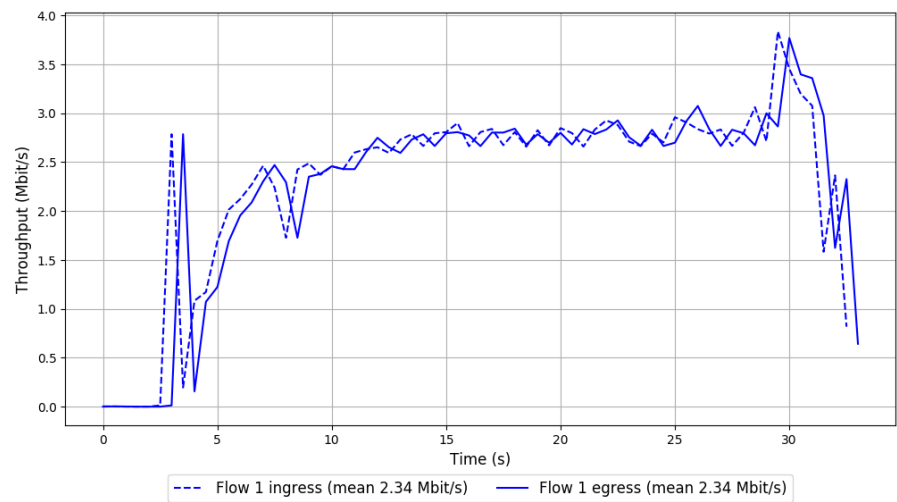


Run 3: Statistics of WebRTC media

Start at: 2019-03-09 08:29:18
End at: 2019-03-09 08:29:48
Local clock offset: -0.874 ms
Remote clock offset: -1.073 ms

Below is generated by plot.py at 2019-03-09 09:53:06
Datalink statistics
-- Total of 1 flow:
Average throughput: 2.34 Mbit/s
95th percentile per-packet one-way delay: 12.261 ms
Loss rate: 0.18%
-- Flow 1:
Average throughput: 2.34 Mbit/s
95th percentile per-packet one-way delay: 12.261 ms
Loss rate: 0.18%

Run 3: Report of WebRTC media — Data Link

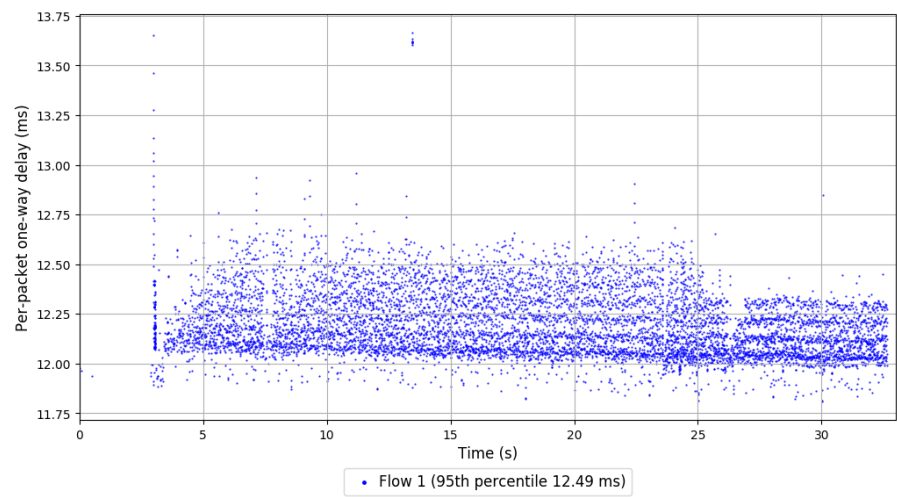
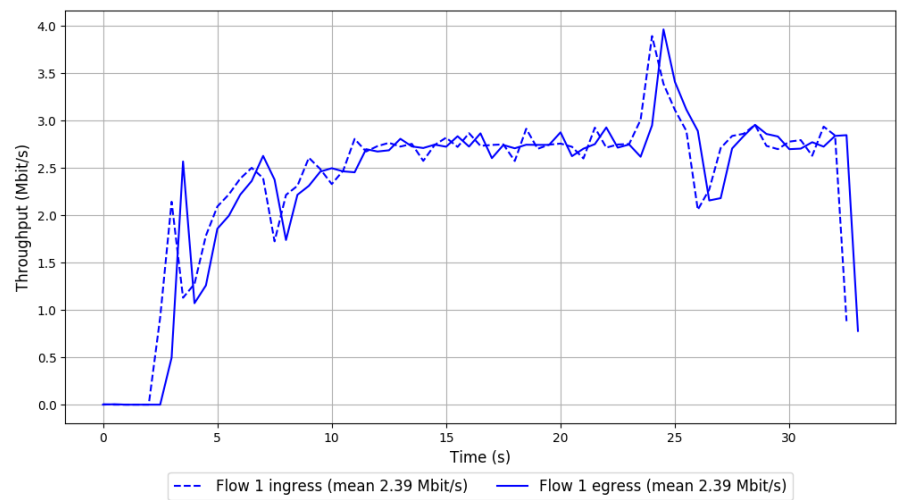


Run 4: Statistics of WebRTC media

Start at: 2019-03-09 08:54:43
End at: 2019-03-09 08:55:13
Local clock offset: 3.809 ms
Remote clock offset: -0.269 ms

Below is generated by plot.py at 2019-03-09 09:53:06
Datalink statistics
-- Total of 1 flow:
Average throughput: 2.39 Mbit/s
95th percentile per-packet one-way delay: 12.487 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 2.39 Mbit/s
95th percentile per-packet one-way delay: 12.487 ms
Loss rate: 0.13%

Run 4: Report of WebRTC media — Data Link



Run 5: Statistics of WebRTC media

Start at: 2019-03-09 09:19:40
End at: 2019-03-09 09:20:10
Local clock offset: 1.964 ms
Remote clock offset: -0.717 ms

Below is generated by plot.py at 2019-03-09 09:53:06
Datalink statistics
-- Total of 1 flow:
Average throughput: 2.40 Mbit/s
95th percentile per-packet one-way delay: 12.972 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 2.40 Mbit/s
95th percentile per-packet one-way delay: 12.972 ms
Loss rate: 0.13%

Run 5: Report of WebRTC media — Data Link

