

Pantheon Report

Generated at 2019-03-08 23:24:49 (UTC).

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

Repeated the test of 21 congestion control schemes 5 times.

Each test lasted for 30 seconds running 1 flow.

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

System info:

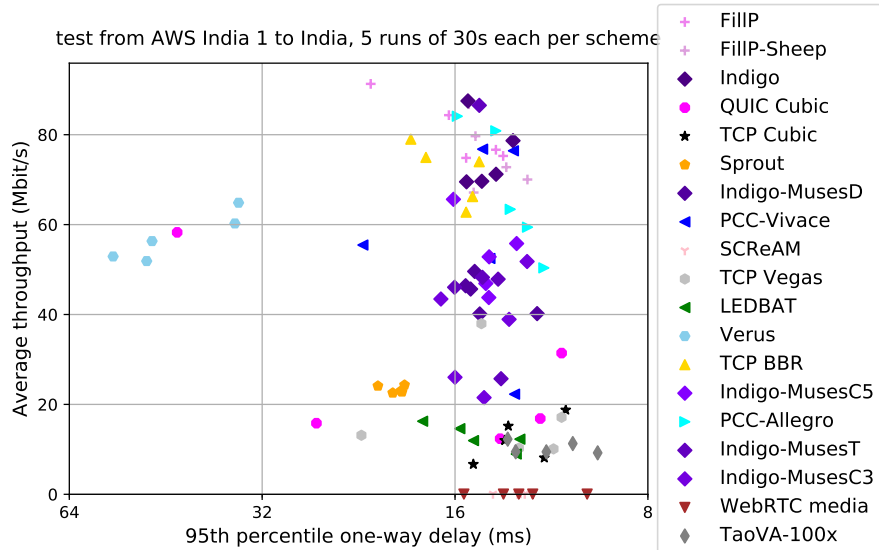
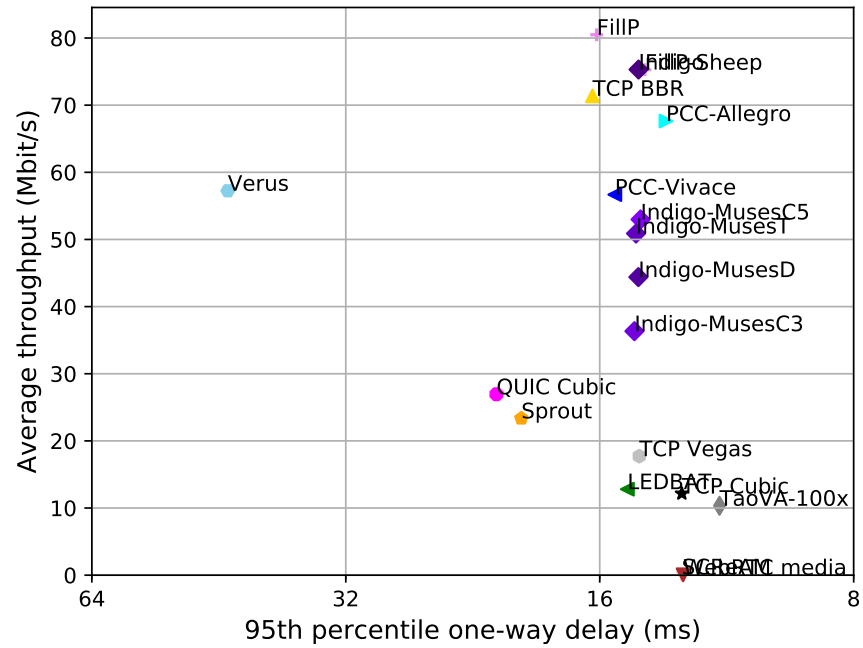
```
Linux 4.15.0-1031-aws
net.core.default_qdisc = fq
net.core.rmem_default = 16777216
net.core.rmem_max = 536870912
net.core.wmem_default = 16777216
net.core.wmem_max = 536870912
net.ipv4.tcp_rmem = 4096 16777216 536870912
net.ipv4.tcp_wmem = 4096 16777216 536870912
```

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 AWS India 1 to India, 5 runs of 30s each per scheme
(mean of all runs by 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	71.39	16.32	11.26
Copa	0	N/A	N/A	N/A
TCP Cubic	5	12.15	12.79	0.74
FillP	5	80.48	16.13	12.64
FillP-Sheep	5	75.28	14.14	9.98
Indigo	5	75.31	14.39	10.20
Indigo-MusesC3	5	36.34	14.55	6.46
Indigo-MusesC5	5	52.98	14.31	6.55
Indigo-MusesD	5	44.39	14.40	6.52
Indigo-MusesT	5	50.88	14.49	7.43
LEDBAT	5	12.81	14.84	1.23
PCC-Allegro	5	67.63	13.35	10.13
PCC-Expr	0	N/A	N/A	N/A
QUIC Cubic	5	26.95	21.21	1.89
SCReAM	5	0.12	12.79	2.26
Sprout	5	23.36	19.82	2.17
TaoVA-100x	5	10.34	11.54	78.05
TCP Vegas	5	17.72	14.36	1.28
Verus	5	57.25	44.16	32.11
PCC-Vivace	5	56.68	15.36	7.70
WebRTC media	5	0.05	12.74	0.02

Run 1: Statistics of TCP BBR

Start at: 2019-03-08 21:22:05

End at: 2019-03-08 21:22:35

Local clock offset: -3.543 ms

Remote clock offset: 1.44 ms

Below is generated by plot.py at 2019-03-08 23:19:14

Datalink statistics

-- Total of 1 flow:

Average throughput: 66.24 Mbit/s

95th percentile per-packet one-way delay: 15.024 ms

Loss rate: 13.03%

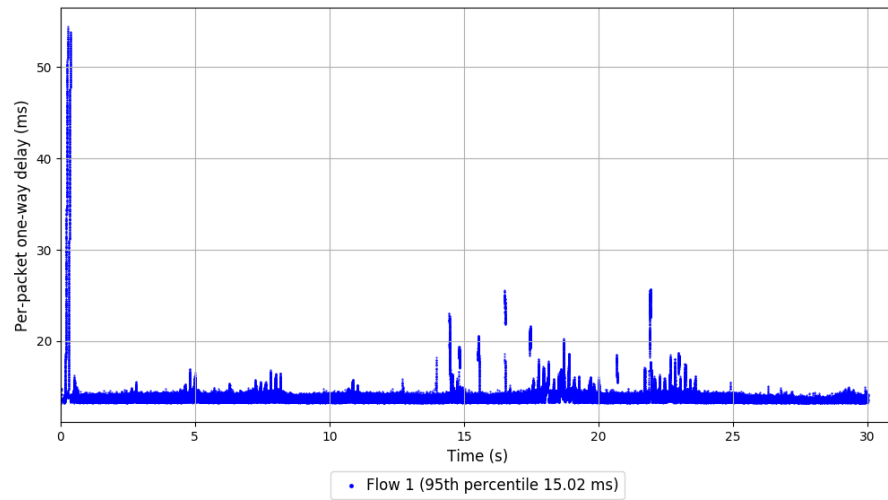
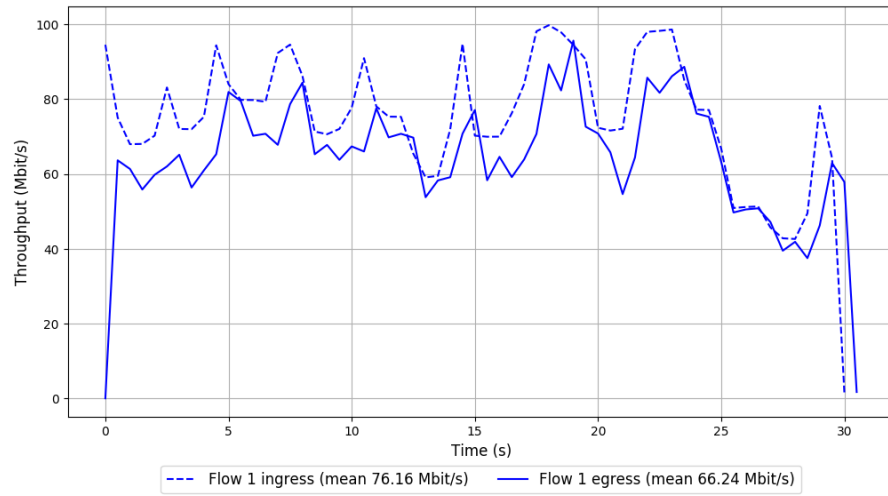
-- Flow 1:

Average throughput: 66.24 Mbit/s

95th percentile per-packet one-way delay: 15.024 ms

Loss rate: 13.03%

Run 1: Report of TCP BBR — Data Link



Run 2: Statistics of TCP BBR

Start at: 2019-03-08 21:45:39

End at: 2019-03-08 21:46:09

Local clock offset: -3.668 ms

Remote clock offset: 1.462 ms

Below is generated by plot.py at 2019-03-08 23:19:14

Datalink statistics

-- Total of 1 flow:

Average throughput: 62.77 Mbit/s

95th percentile per-packet one-way delay: 15.375 ms

Loss rate: 13.05%

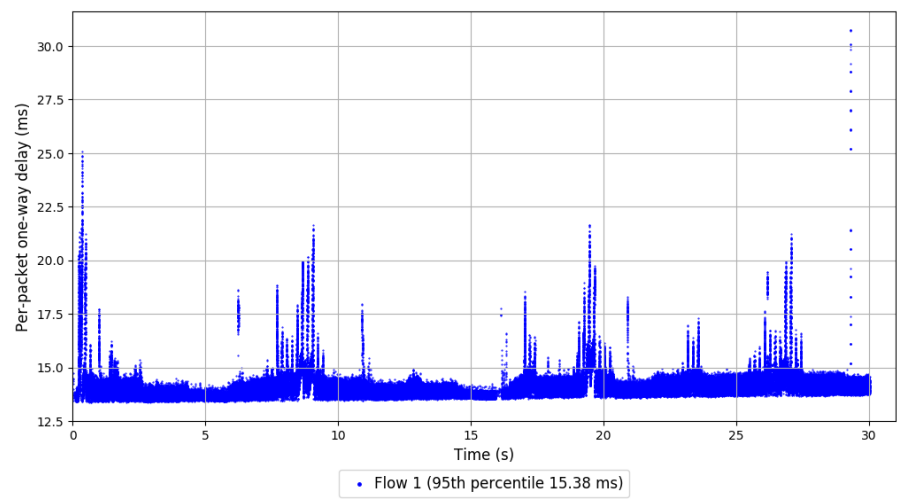
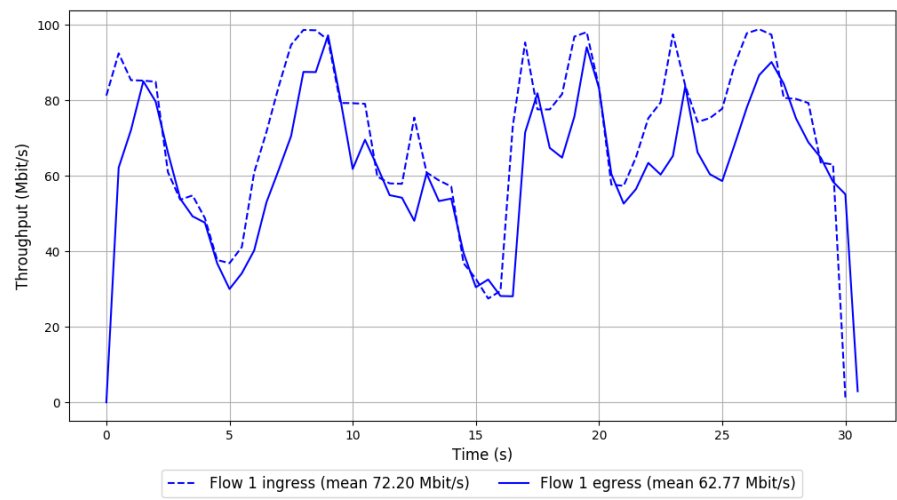
-- Flow 1:

Average throughput: 62.77 Mbit/s

95th percentile per-packet one-way delay: 15.375 ms

Loss rate: 13.05%

Run 2: Report of TCP BBR — Data Link



Run 3: Statistics of TCP BBR

Start at: 2019-03-08 22:09:18

End at: 2019-03-08 22:09:48

Local clock offset: 1.157 ms

Remote clock offset: 0.959 ms

Below is generated by plot.py at 2019-03-08 23:19:20

Datalink statistics

-- Total of 1 flow:

Average throughput: 79.01 Mbit/s

95th percentile per-packet one-way delay: 18.756 ms

Loss rate: 10.06%

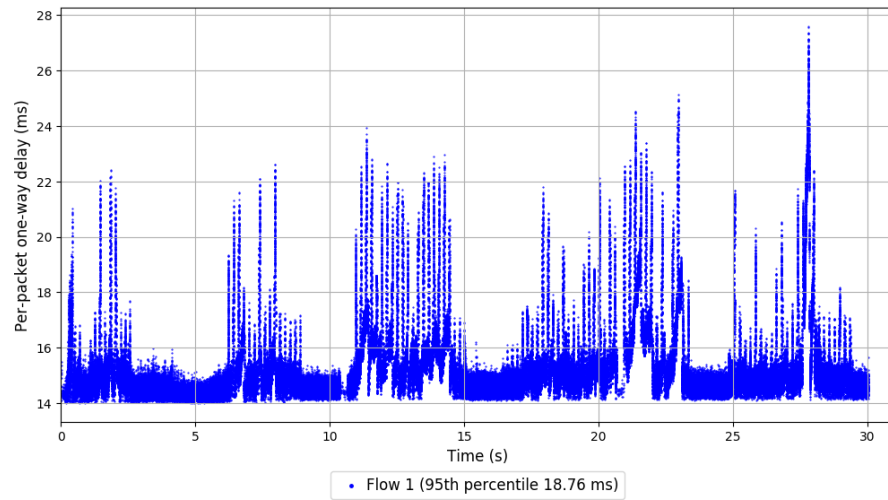
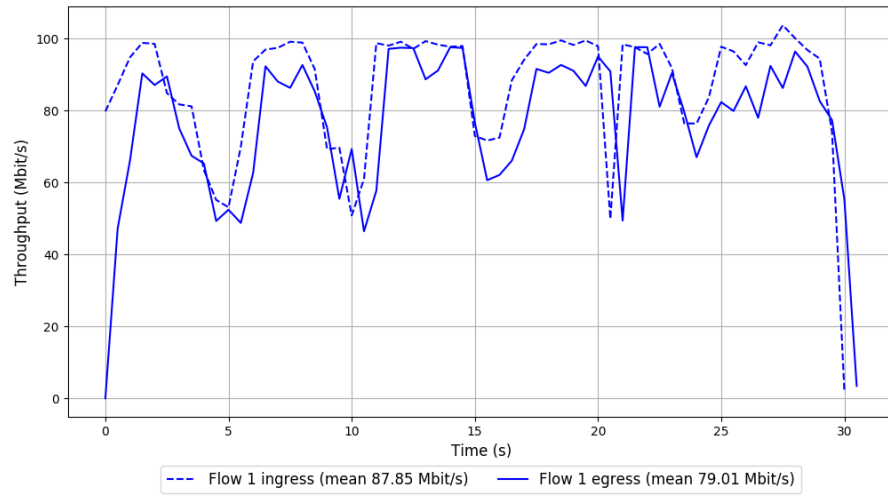
-- Flow 1:

Average throughput: 79.01 Mbit/s

95th percentile per-packet one-way delay: 18.756 ms

Loss rate: 10.06%

Run 3: Report of TCP BBR — Data Link



Run 4: Statistics of TCP BBR

Start at: 2019-03-08 22:33:08

End at: 2019-03-08 22:33:38

Local clock offset: -5.526 ms

Remote clock offset: 0.131 ms

Below is generated by plot.py at 2019-03-08 23:19:20

Datalink statistics

-- Total of 1 flow:

Average throughput: 73.99 Mbit/s

95th percentile per-packet one-way delay: 14.667 ms

Loss rate: 10.76%

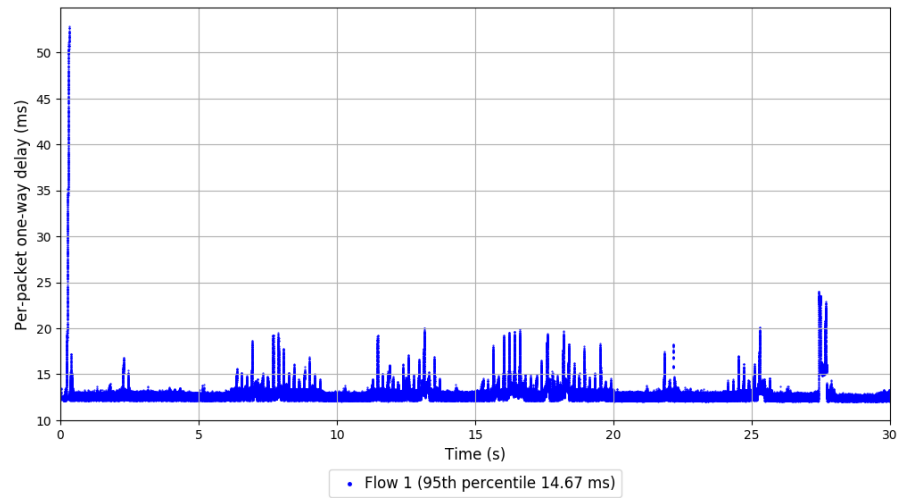
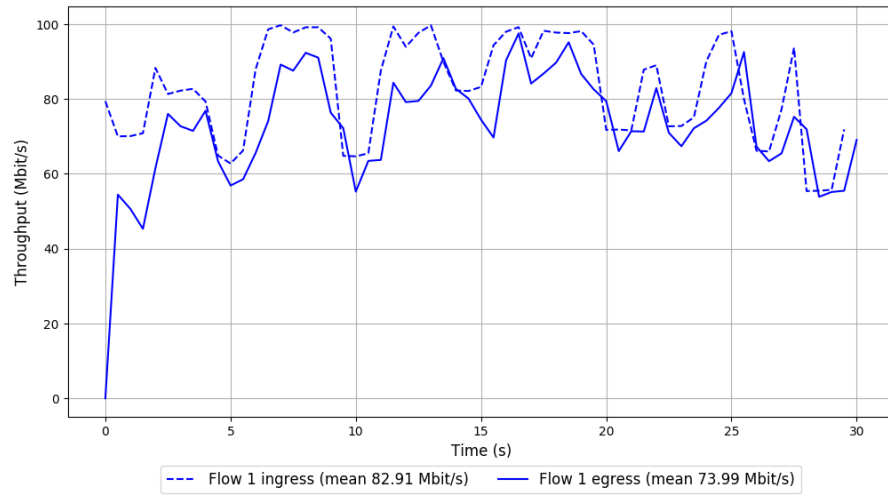
-- Flow 1:

Average throughput: 73.99 Mbit/s

95th percentile per-packet one-way delay: 14.667 ms

Loss rate: 10.76%

Run 4: Report of TCP BBR — Data Link



Run 5: Statistics of TCP BBR

Start at: 2019-03-08 22:56:50

End at: 2019-03-08 22:57:20

Local clock offset: -3.815 ms

Remote clock offset: 0.832 ms

Below is generated by plot.py at 2019-03-08 23:19:20

Datalink statistics

-- Total of 1 flow:

Average throughput: 74.95 Mbit/s

95th percentile per-packet one-way delay: 17.764 ms

Loss rate: 9.39%

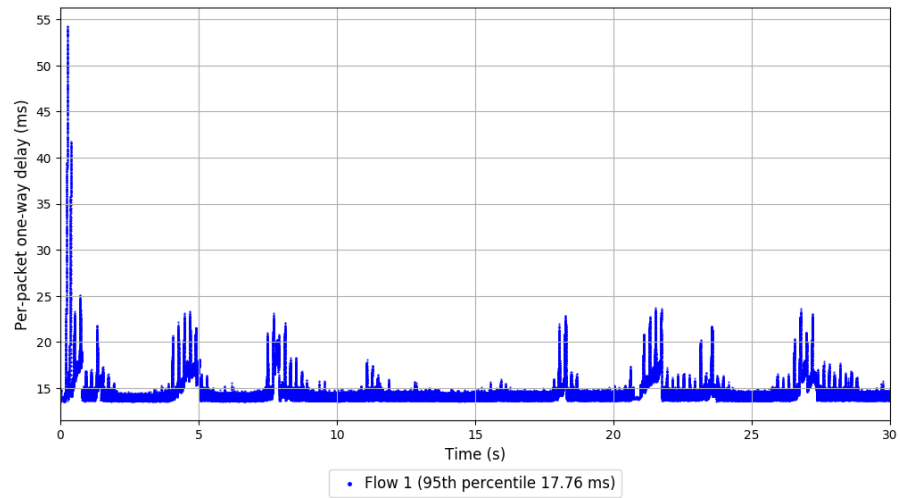
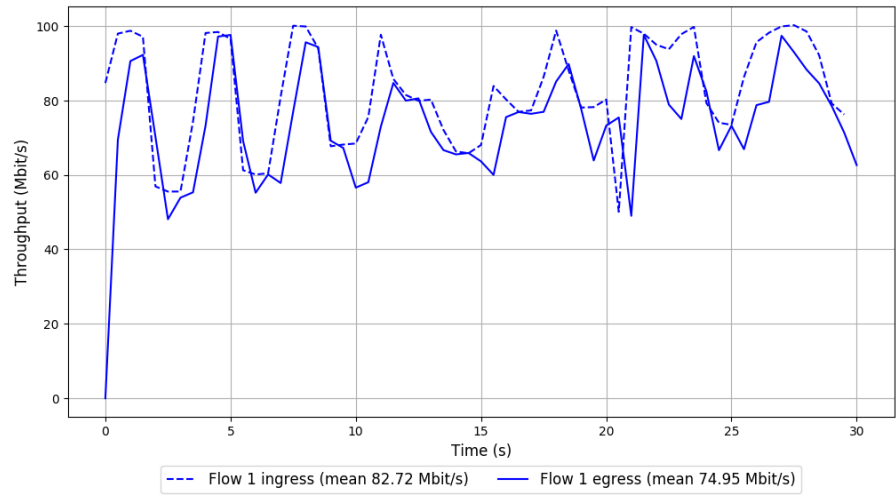
-- Flow 1:

Average throughput: 74.95 Mbit/s

95th percentile per-packet one-way delay: 17.764 ms

Loss rate: 9.39%

Run 5: Report of TCP BBR — Data Link



Run 1: Statistics of Copa

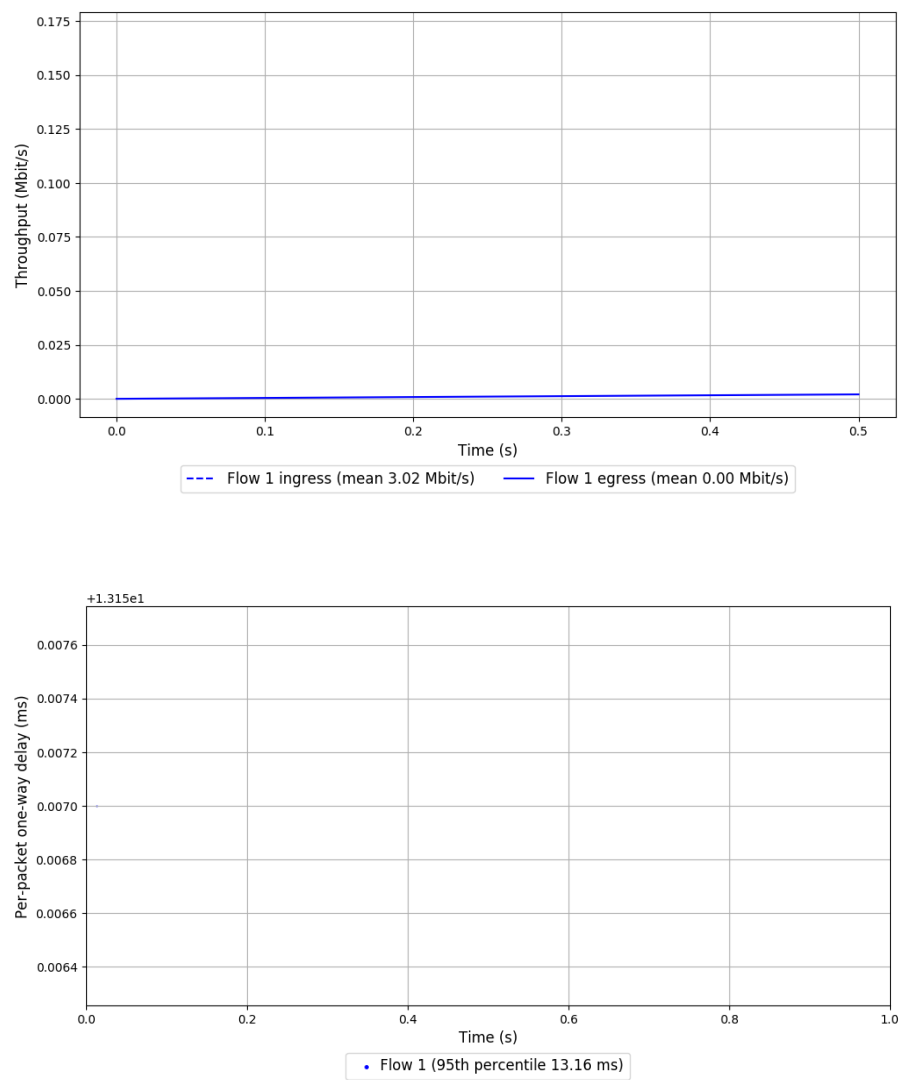
Start at: 2019-03-08 21:28:49

End at: 2019-03-08 21:29:19

Local clock offset: -3.057 ms

Remote clock offset: 1.713 ms

Run 1: Report of Copa — Data Link



Run 2: Statistics of Copa

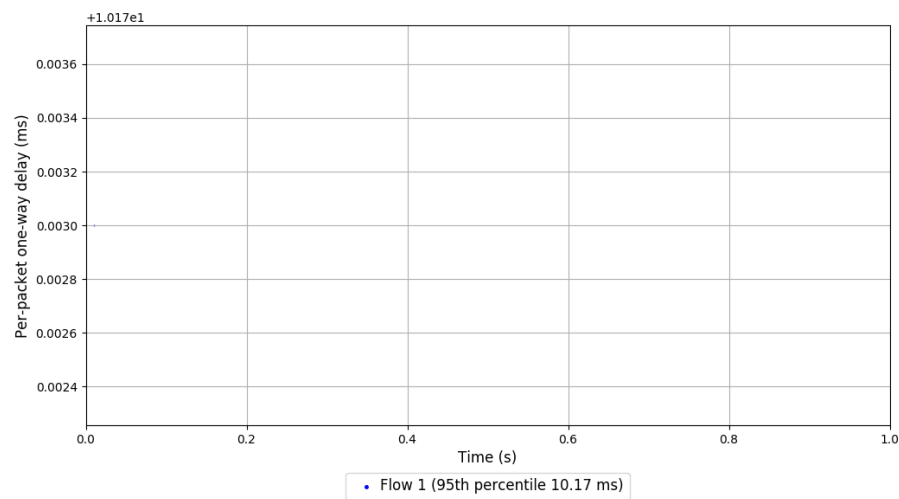
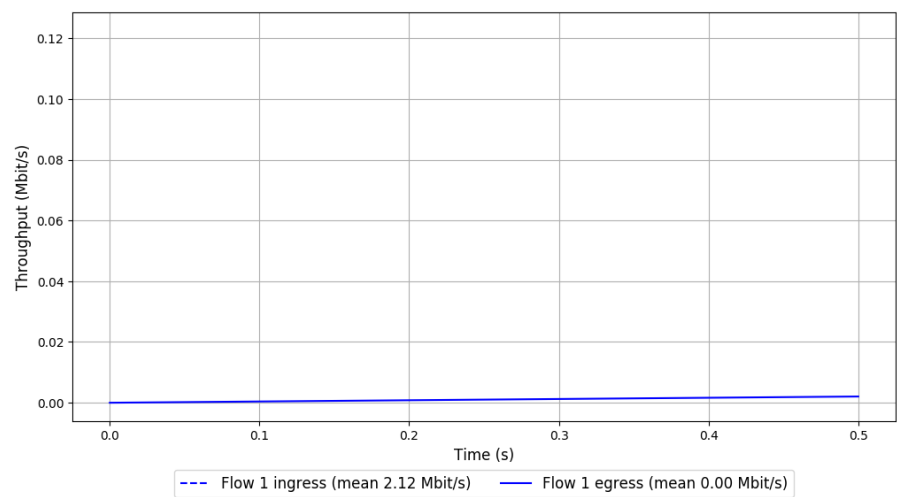
Start at: 2019-03-08 21:52:21

End at: 2019-03-08 21:52:51

Local clock offset: 2.333 ms

Remote clock offset: 0.346 ms

Run 2: Report of Copa — Data Link



Run 3: Statistics of Copa

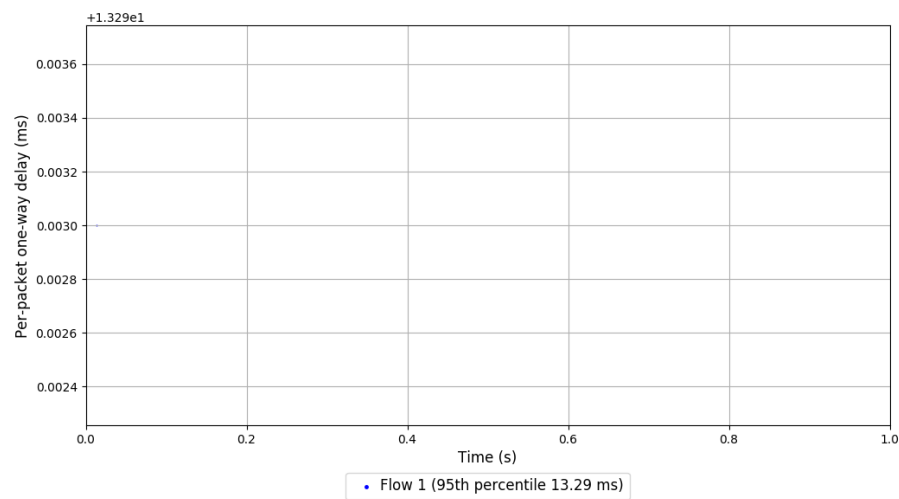
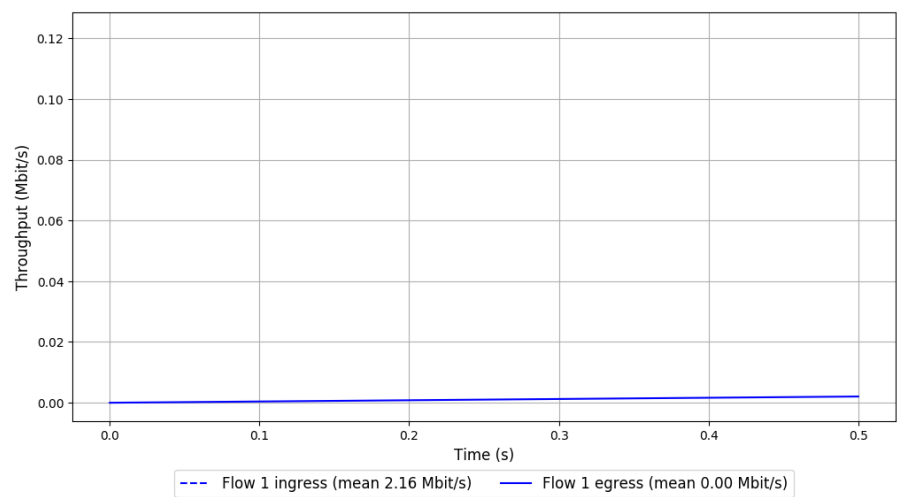
Start at: 2019-03-08 22:16:11

End at: 2019-03-08 22:16:41

Local clock offset: 0.709 ms

Remote clock offset: 0.746 ms

Run 3: Report of Copa — Data Link



Run 4: Statistics of Copa

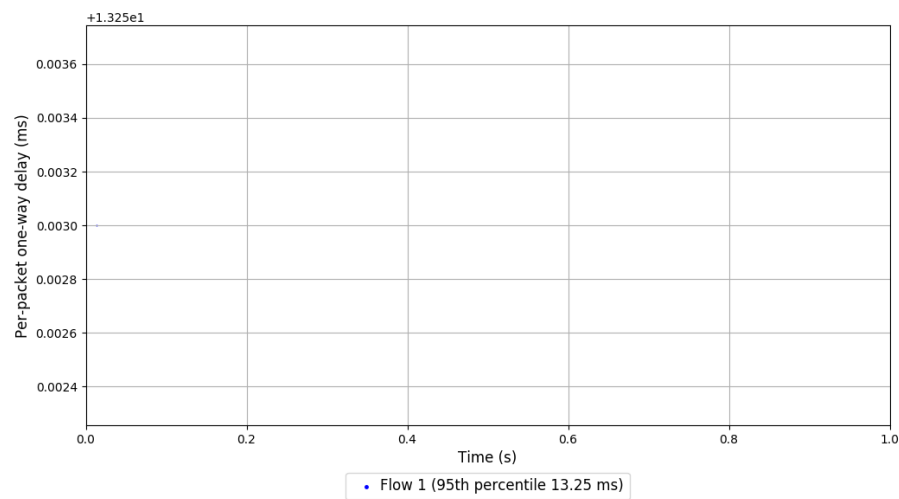
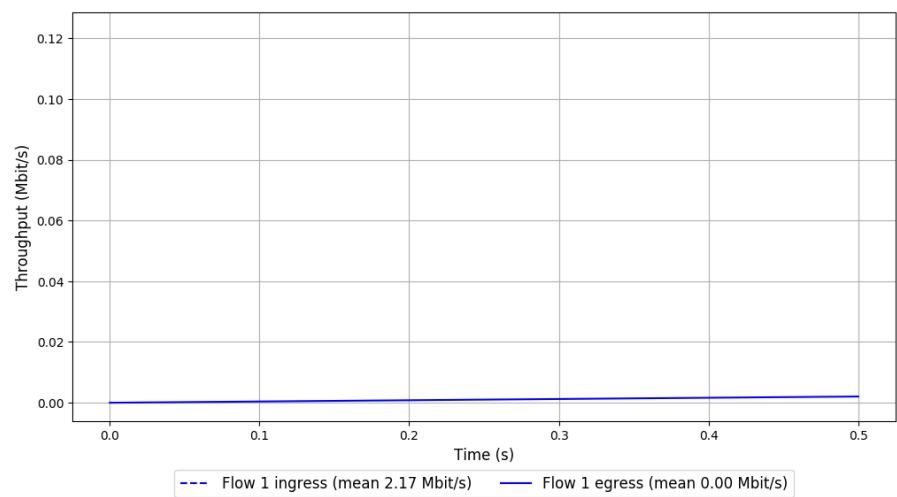
Start at: 2019-03-08 22:39:54

End at: 2019-03-08 22:40:24

Local clock offset: -5.727 ms

Remote clock offset: 1.714 ms

Run 4: Report of Copa — Data Link



Run 5: Statistics of Copa

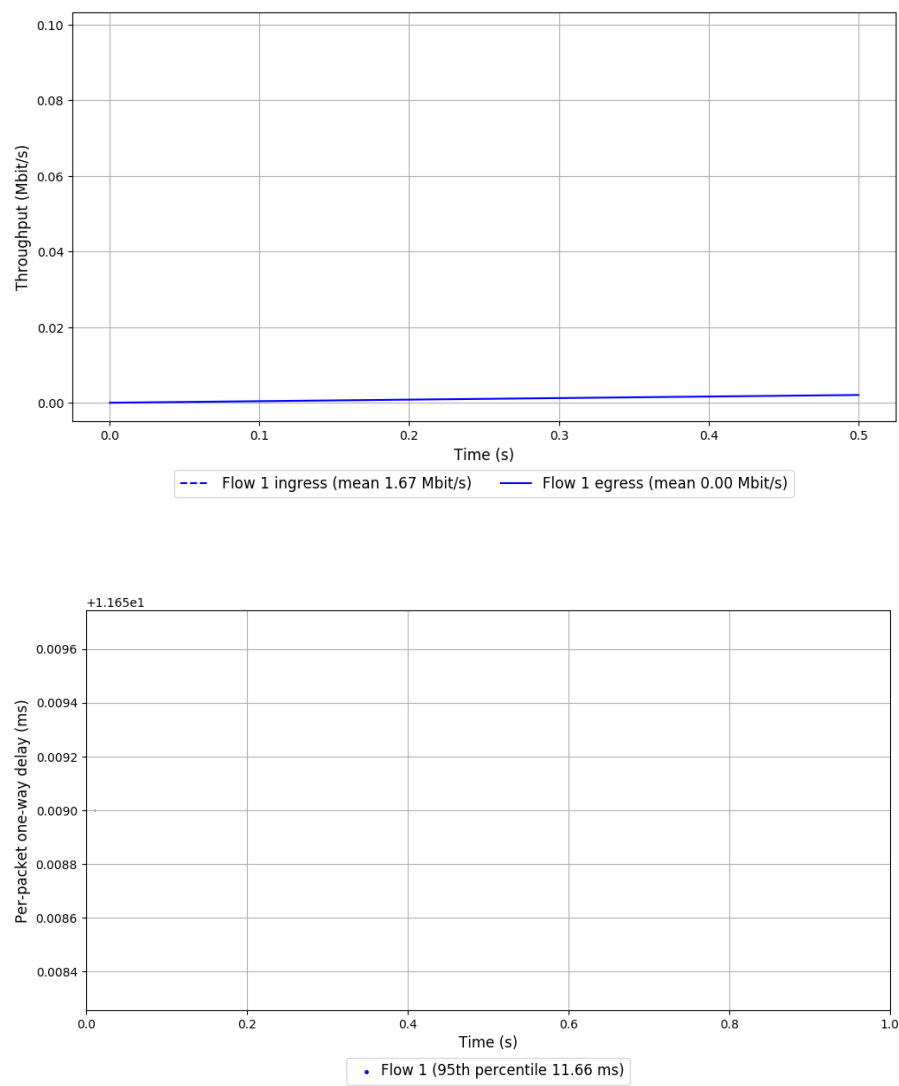
Start at: 2019-03-08 23:03:36

End at: 2019-03-08 23:04:06

Local clock offset: -0.768 ms

Remote clock offset: 0.734 ms

Run 5: Report of Copa — Data Link



Run 1: Statistics of TCP Cubic

Start at: 2019-03-08 21:25:29

End at: 2019-03-08 21:25:59

Local clock offset: -1.93 ms

Remote clock offset: 1.142 ms

Below is generated by plot.py at 2019-03-08 23:19:20

Datalink statistics

-- Total of 1 flow:

Average throughput: 8.12 Mbit/s

95th percentile per-packet one-way delay: 11.610 ms

Loss rate: 0.86%

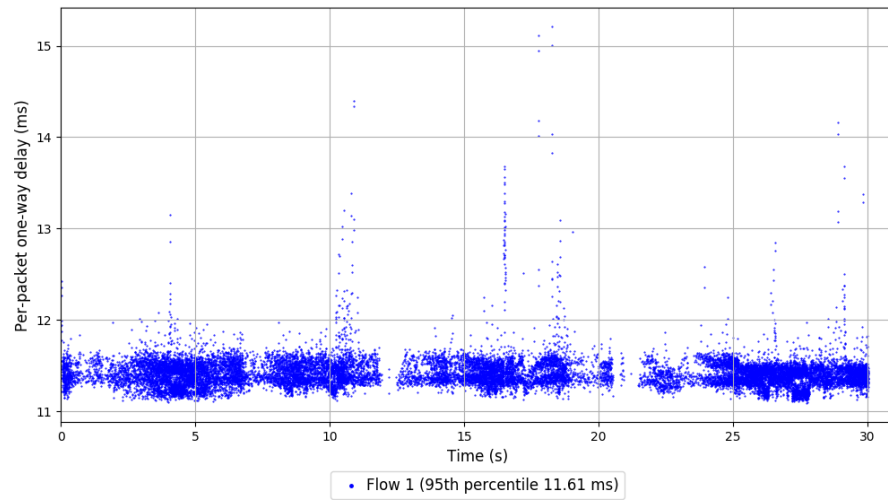
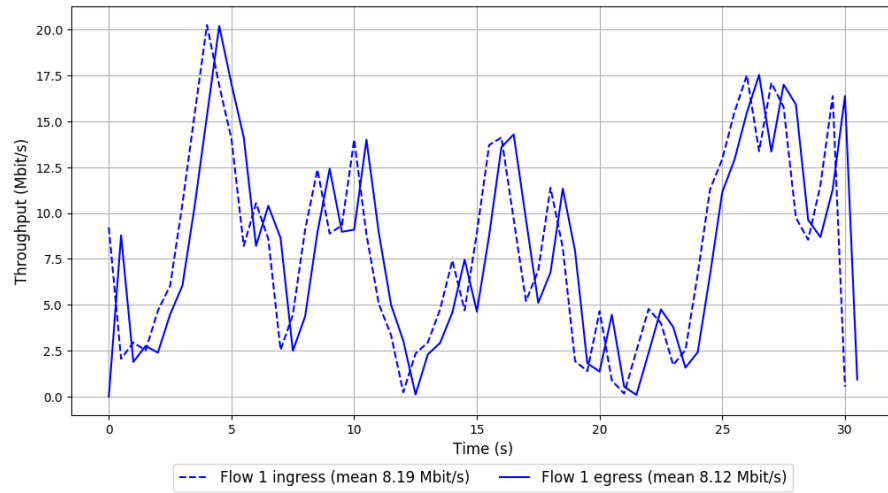
-- Flow 1:

Average throughput: 8.12 Mbit/s

95th percentile per-packet one-way delay: 11.610 ms

Loss rate: 0.86%

Run 1: Report of TCP Cubic — Data Link



Run 2: Statistics of TCP Cubic

Start at: 2019-03-08 21:49:03

End at: 2019-03-08 21:49:33

Local clock offset: -2.851 ms

Remote clock offset: 1.197 ms

Below is generated by plot.py at 2019-03-08 23:19:20

Datalink statistics

-- Total of 1 flow:

Average throughput: 6.69 Mbit/s

95th percentile per-packet one-way delay: 14.980 ms

Loss rate: 1.42%

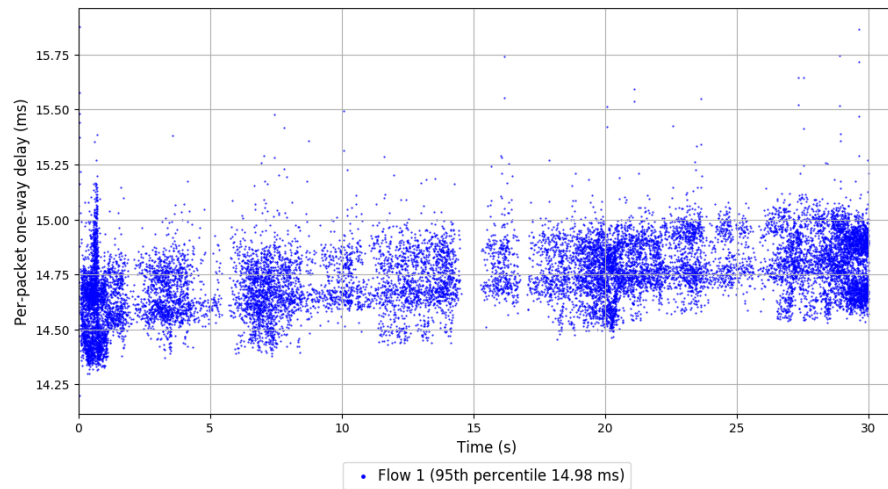
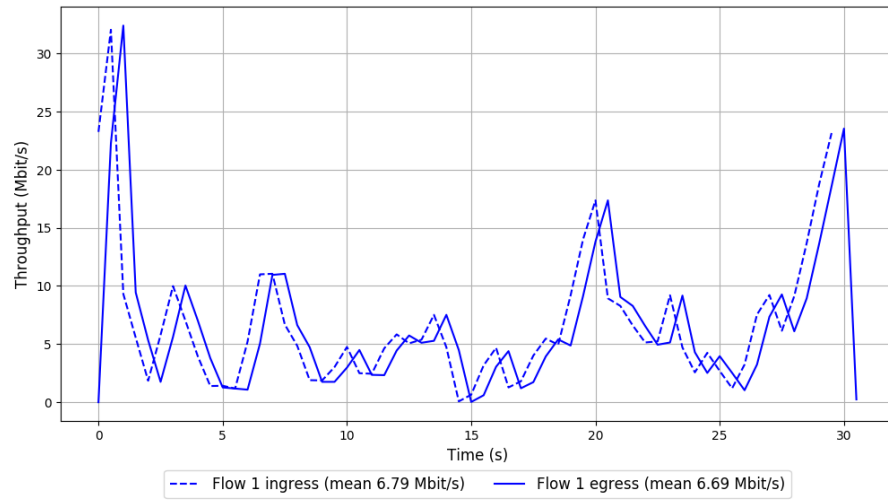
-- Flow 1:

Average throughput: 6.69 Mbit/s

95th percentile per-packet one-way delay: 14.980 ms

Loss rate: 1.42%

Run 2: Report of TCP Cubic — Data Link

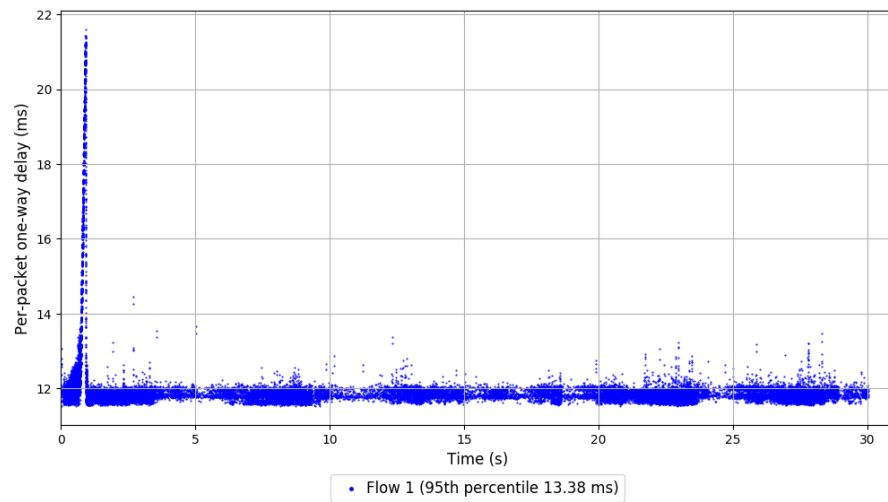
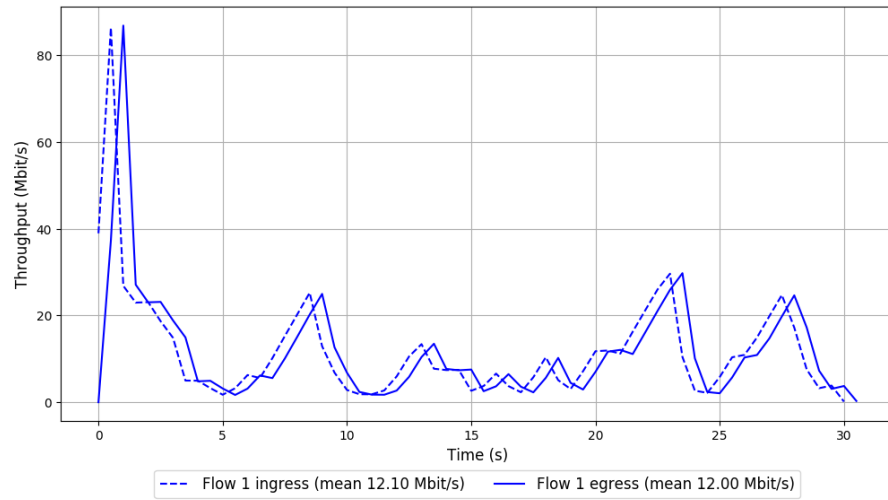


Run 3: Statistics of TCP Cubic

Start at: 2019-03-08 22:12:49
End at: 2019-03-08 22:13:19
Local clock offset: 2.718 ms
Remote clock offset: -0.171 ms

Below is generated by plot.py at 2019-03-08 23:19:20
Datalink statistics
-- Total of 1 flow:
Average throughput: 12.00 Mbit/s
95th percentile per-packet one-way delay: 13.384 ms
Loss rate: 0.87%
-- Flow 1:
Average throughput: 12.00 Mbit/s
95th percentile per-packet one-way delay: 13.384 ms
Loss rate: 0.87%

Run 3: Report of TCP Cubic — Data Link

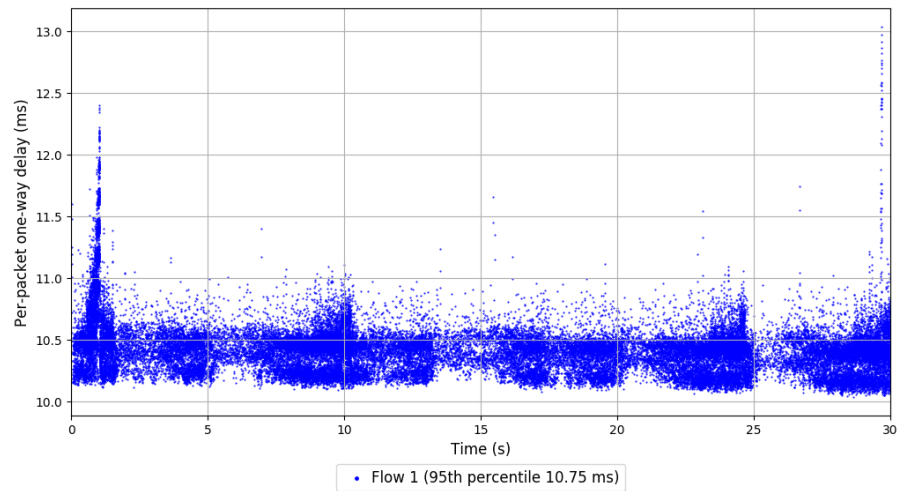
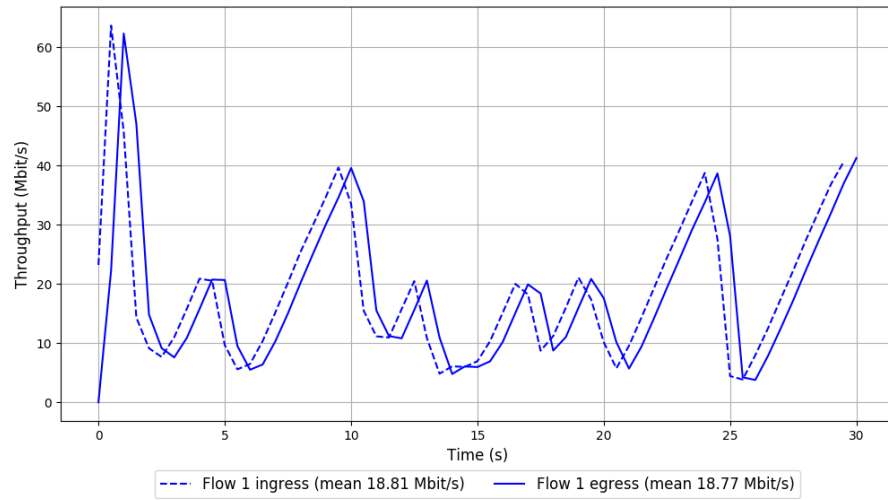


Run 4: Statistics of TCP Cubic

Start at: 2019-03-08 22:36:31
End at: 2019-03-08 22:37:01
Local clock offset: -4.403 ms
Remote clock offset: -0.223 ms

Below is generated by plot.py at 2019-03-08 23:19:20
Datalink statistics
-- Total of 1 flow:
Average throughput: 18.77 Mbit/s
95th percentile per-packet one-way delay: 10.749 ms
Loss rate: 0.17%
-- Flow 1:
Average throughput: 18.77 Mbit/s
95th percentile per-packet one-way delay: 10.749 ms
Loss rate: 0.17%

Run 4: Report of TCP Cubic — Data Link



Run 5: Statistics of TCP Cubic

Start at: 2019-03-08 23:00:16

End at: 2019-03-08 23:00:46

Local clock offset: -2.435 ms

Remote clock offset: 0.839 ms

Below is generated by plot.py at 2019-03-08 23:19:20

Datalink statistics

-- Total of 1 flow:

Average throughput: 15.19 Mbit/s

95th percentile per-packet one-way delay: 13.212 ms

Loss rate: 0.38%

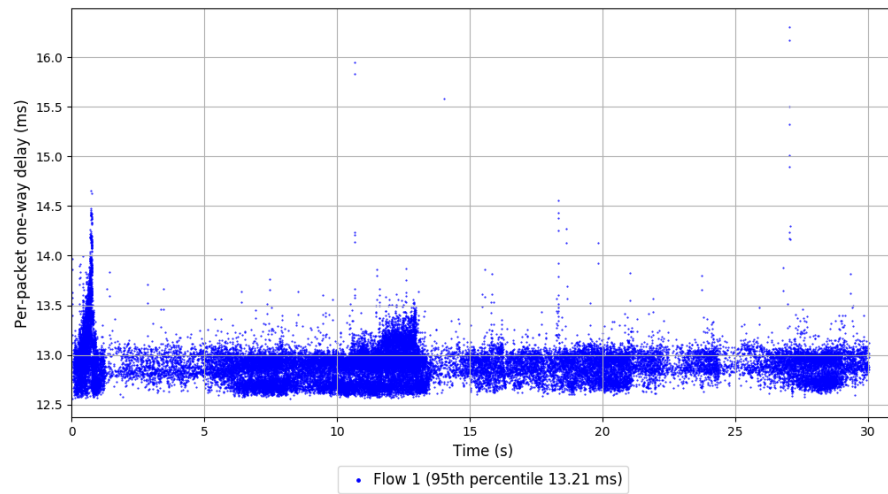
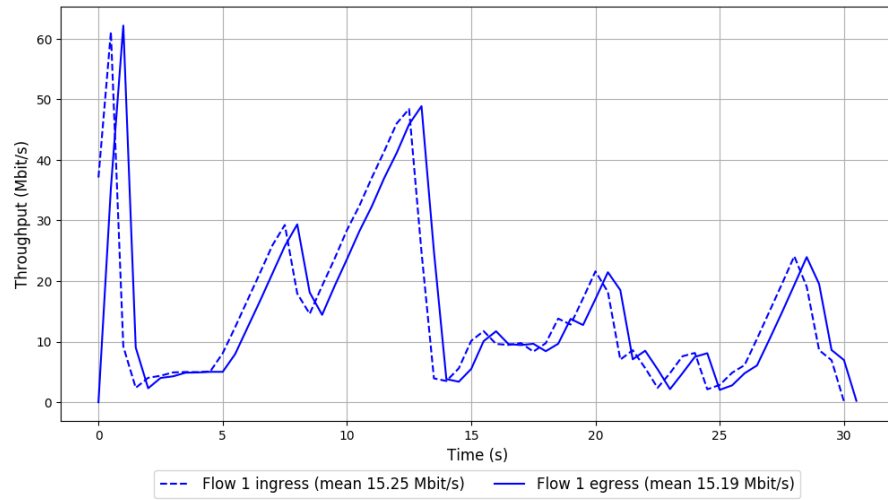
-- Flow 1:

Average throughput: 15.19 Mbit/s

95th percentile per-packet one-way delay: 13.212 ms

Loss rate: 0.38%

Run 5: Report of TCP Cubic — Data Link



Run 1: Statistics of FillP

Start at: 2019-03-08 21:40:05

End at: 2019-03-08 21:40:35

Local clock offset: -4.744 ms

Remote clock offset: 1.867 ms

Below is generated by plot.py at 2019-03-08 23:19:41

Datalink statistics

-- Total of 1 flow:

Average throughput: 74.83 Mbit/s

95th percentile per-packet one-way delay: 15.374 ms

Loss rate: 16.17%

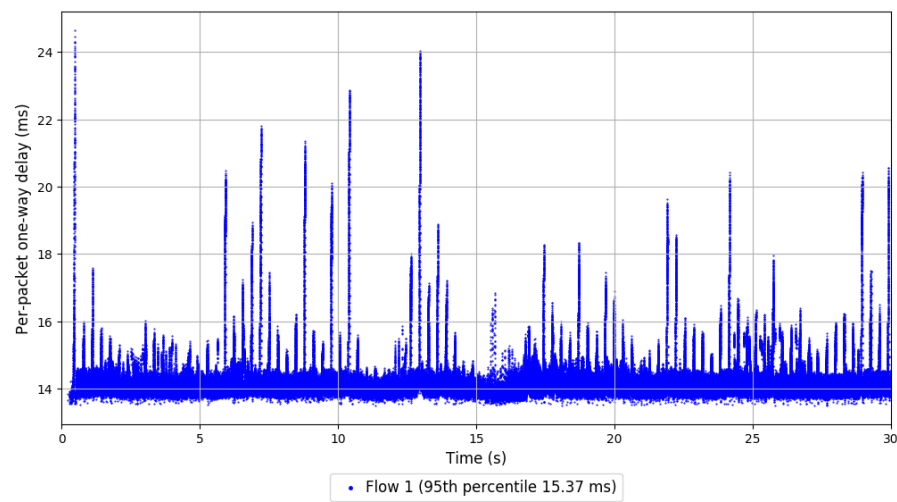
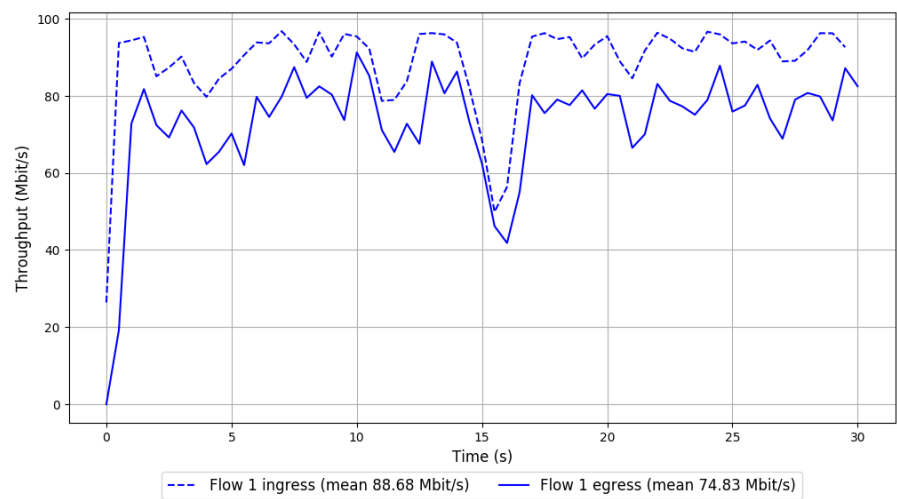
-- Flow 1:

Average throughput: 74.83 Mbit/s

95th percentile per-packet one-way delay: 15.374 ms

Loss rate: 16.17%

Run 1: Report of FillP — Data Link



Run 2: Statistics of FillP

Start at: 2019-03-08 22:03:42

End at: 2019-03-08 22:04:12

Local clock offset: 3.529 ms

Remote clock offset: 1.066 ms

Below is generated by plot.py at 2019-03-08 23:19:47

Datalink statistics

-- Total of 1 flow:

Average throughput: 76.65 Mbit/s

95th percentile per-packet one-way delay: 13.814 ms

Loss rate: 13.37%

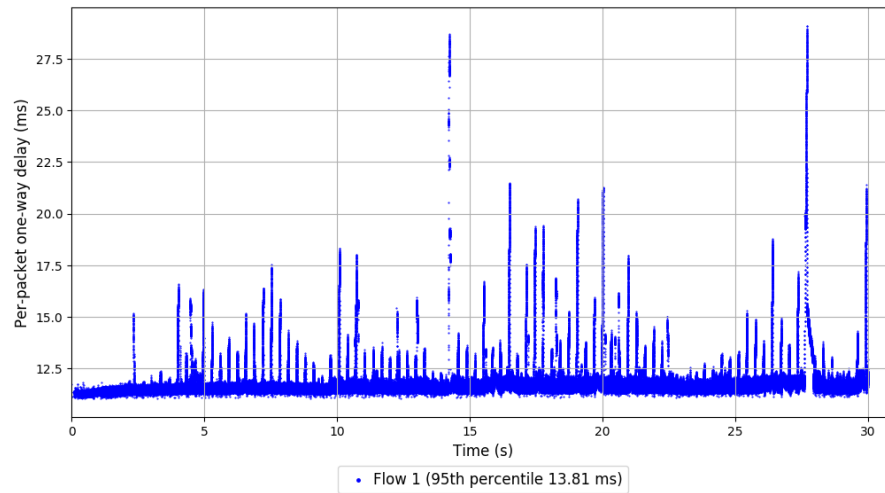
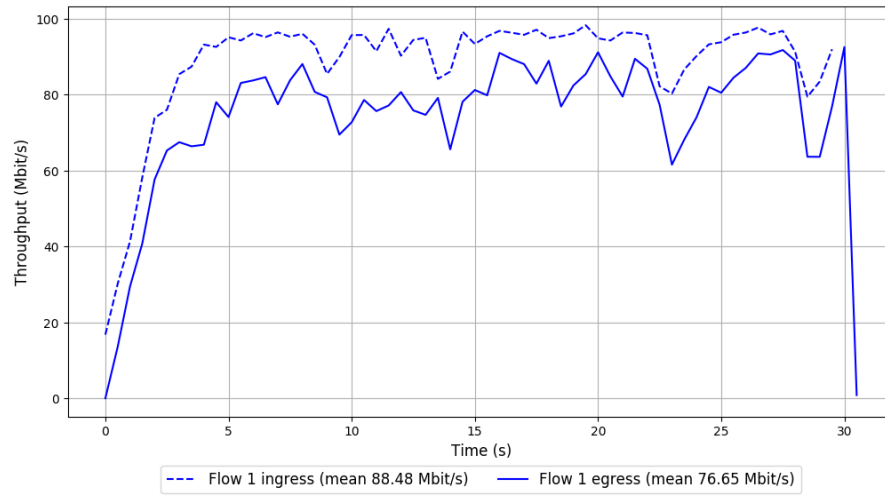
-- Flow 1:

Average throughput: 76.65 Mbit/s

95th percentile per-packet one-way delay: 13.814 ms

Loss rate: 13.37%

Run 2: Report of FillP — Data Link

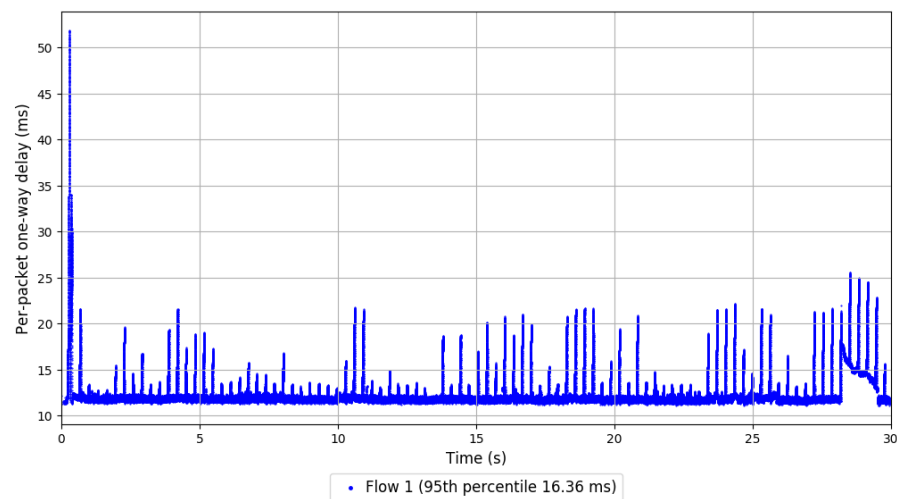
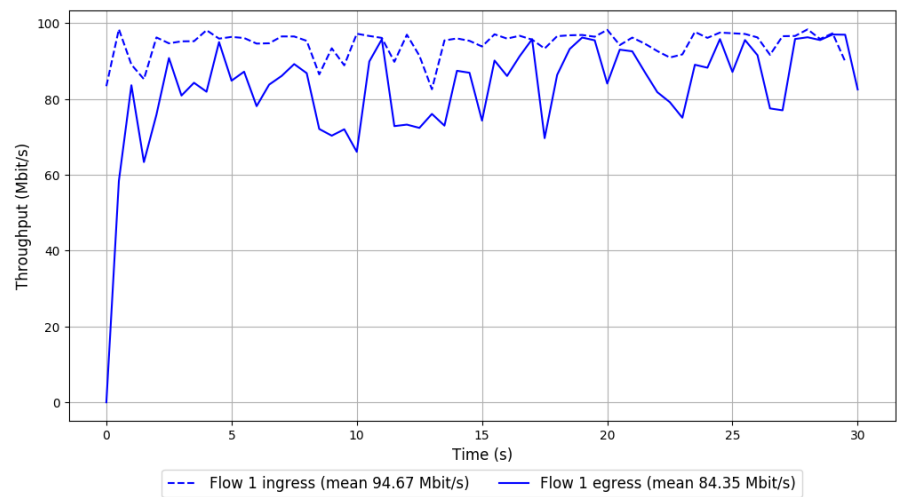


Run 3: Statistics of FillP

Start at: 2019-03-08 22:27:34
End at: 2019-03-08 22:28:04
Local clock offset: -5.924 ms
Remote clock offset: -2.062 ms

Below is generated by plot.py at 2019-03-08 23:19:52
Datalink statistics
-- Total of 1 flow:
Average throughput: 84.35 Mbit/s
95th percentile per-packet one-way delay: 16.358 ms
Loss rate: 10.90%
-- Flow 1:
Average throughput: 84.35 Mbit/s
95th percentile per-packet one-way delay: 16.358 ms
Loss rate: 10.90%

Run 3: Report of FillP — Data Link



Run 4: Statistics of FillP

Start at: 2019-03-08 22:51:09

End at: 2019-03-08 22:51:39

Local clock offset: -5.15 ms

Remote clock offset: 1.198 ms

Below is generated by plot.py at 2019-03-08 23:20:24

Datalink statistics

-- Total of 1 flow:

Average throughput: 91.30 Mbit/s

95th percentile per-packet one-way delay: 21.663 ms

Loss rate: 5.09%

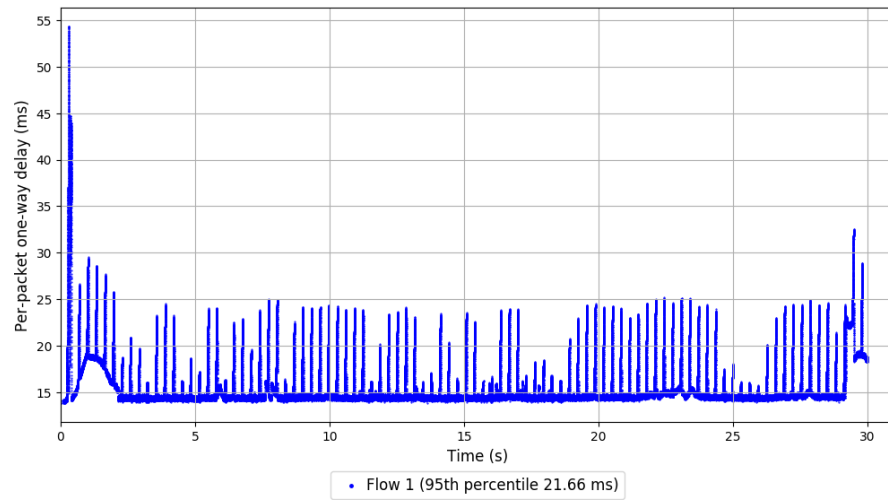
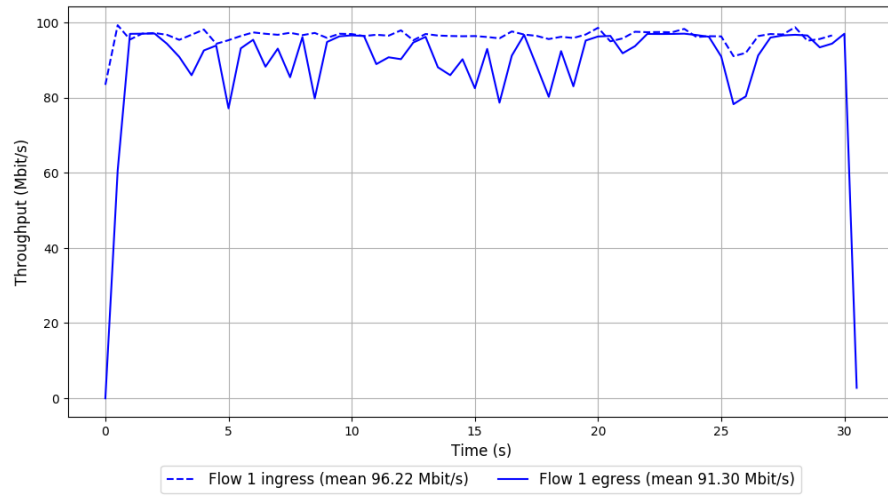
-- Flow 1:

Average throughput: 91.30 Mbit/s

95th percentile per-packet one-way delay: 21.663 ms

Loss rate: 5.09%

Run 4: Report of FillP — Data Link

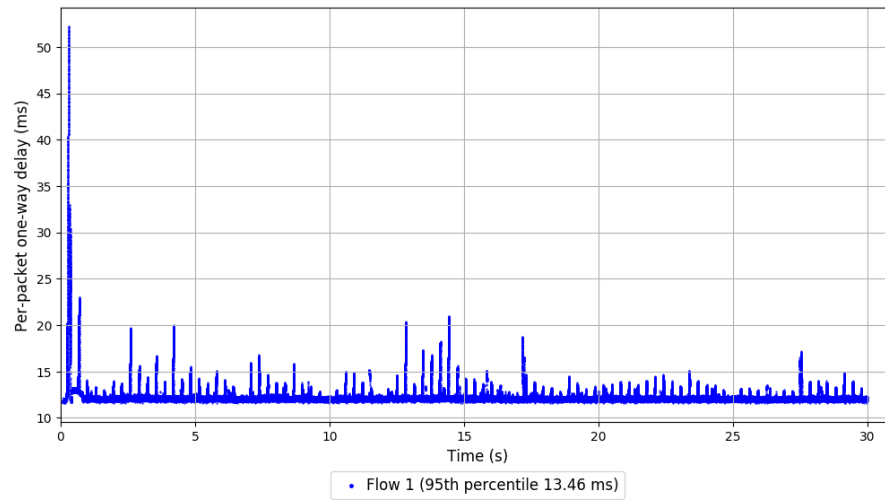
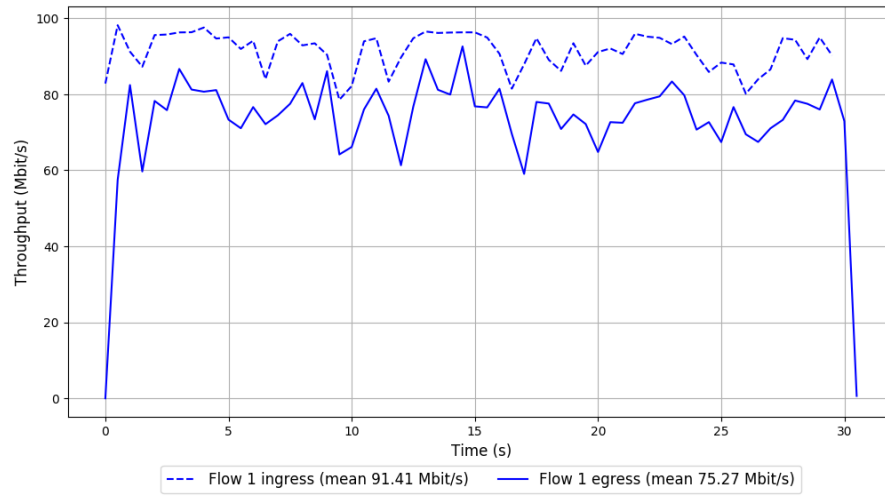


Run 5: Statistics of FillP

Start at: 2019-03-08 23:14:43
End at: 2019-03-08 23:15:13
Local clock offset: -1.868 ms
Remote clock offset: -0.134 ms

Below is generated by plot.py at 2019-03-08 23:20:24
Datalink statistics
-- Total of 1 flow:
Average throughput: 75.27 Mbit/s
95th percentile per-packet one-way delay: 13.459 ms
Loss rate: 17.66%
-- Flow 1:
Average throughput: 75.27 Mbit/s
95th percentile per-packet one-way delay: 13.459 ms
Loss rate: 17.66%

Run 5: Report of FillP — Data Link



Run 1: Statistics of FillP-Sheep

Start at: 2019-03-08 21:24:20

End at: 2019-03-08 21:24:50

Local clock offset: -2.096 ms

Remote clock offset: 1.573 ms

Below is generated by plot.py at 2019-03-08 23:20:24

Datalink statistics

-- Total of 1 flow:

Average throughput: 72.77 Mbit/s

95th percentile per-packet one-way delay: 13.308 ms

Loss rate: 11.77%

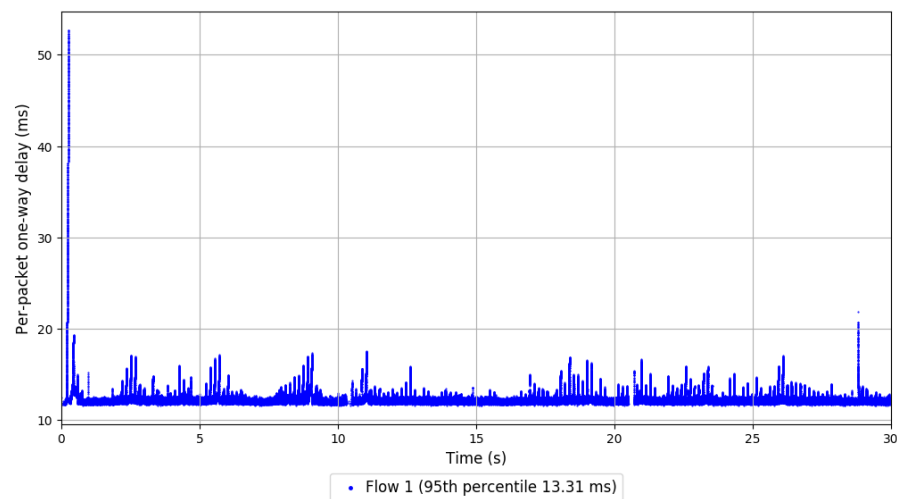
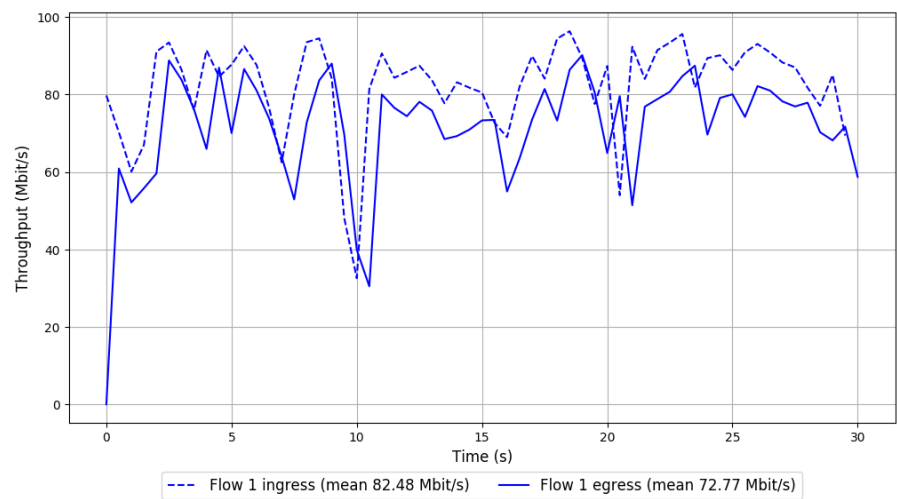
-- Flow 1:

Average throughput: 72.77 Mbit/s

95th percentile per-packet one-way delay: 13.308 ms

Loss rate: 11.77%

Run 1: Report of FillP-Sheep — Data Link



Run 2: Statistics of FillP-Sheep

Start at: 2019-03-08 21:47:54

End at: 2019-03-08 21:48:24

Local clock offset: -2.679 ms

Remote clock offset: 1.456 ms

Below is generated by plot.py at 2019-03-08 23:20:24

Datalink statistics

-- Total of 1 flow:

Average throughput: 67.14 Mbit/s

95th percentile per-packet one-way delay: 14.963 ms

Loss rate: 11.52%

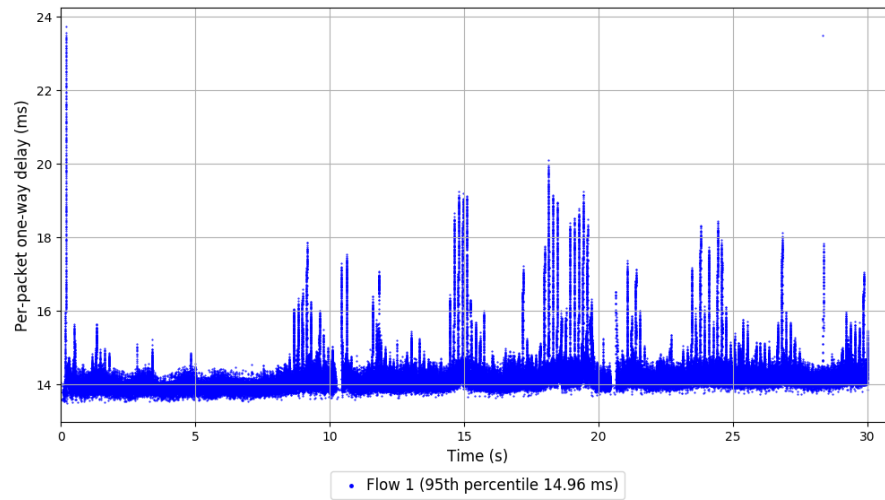
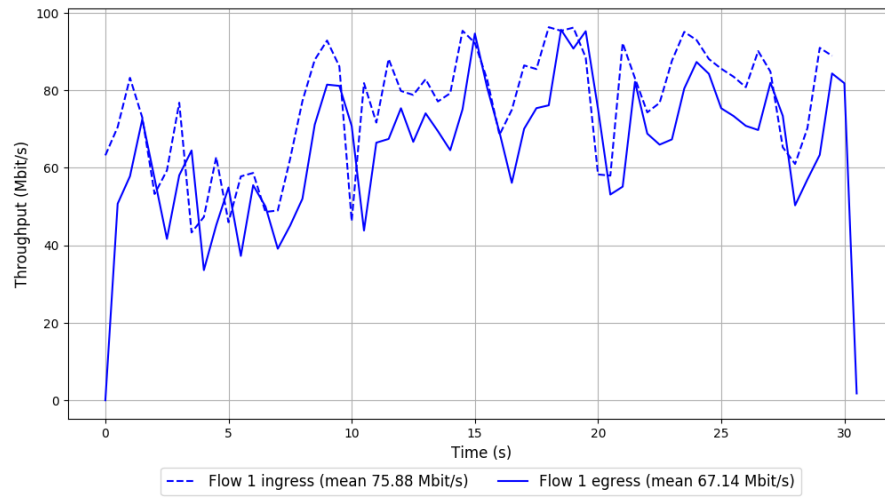
-- Flow 1:

Average throughput: 67.14 Mbit/s

95th percentile per-packet one-way delay: 14.963 ms

Loss rate: 11.52%

Run 2: Report of FillP-Sheep — Data Link



Run 3: Statistics of FillP-Sheep

Start at: 2019-03-08 22:11:41

End at: 2019-03-08 22:12:11

Local clock offset: 4.28 ms

Remote clock offset: 0.994 ms

Below is generated by plot.py at 2019-03-08 23:20:24

Datalink statistics

-- Total of 1 flow:

Average throughput: 70.03 Mbit/s

95th percentile per-packet one-way delay: 12.334 ms

Loss rate: 11.68%

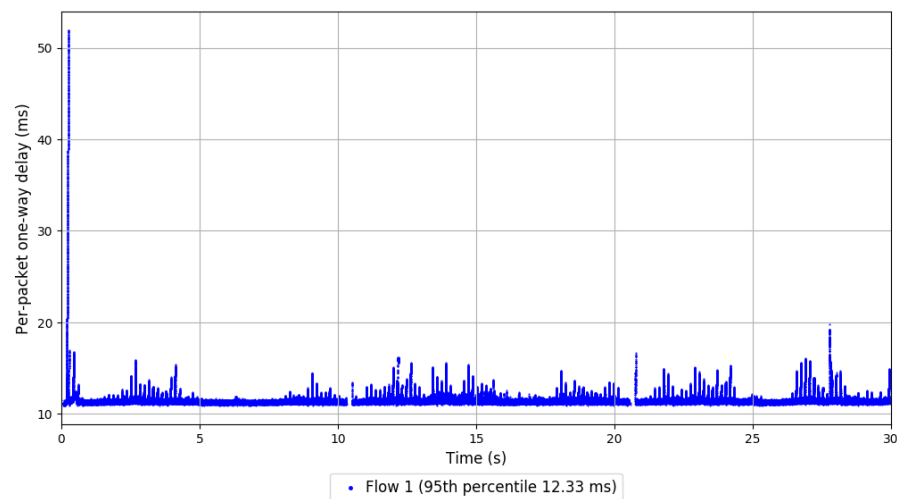
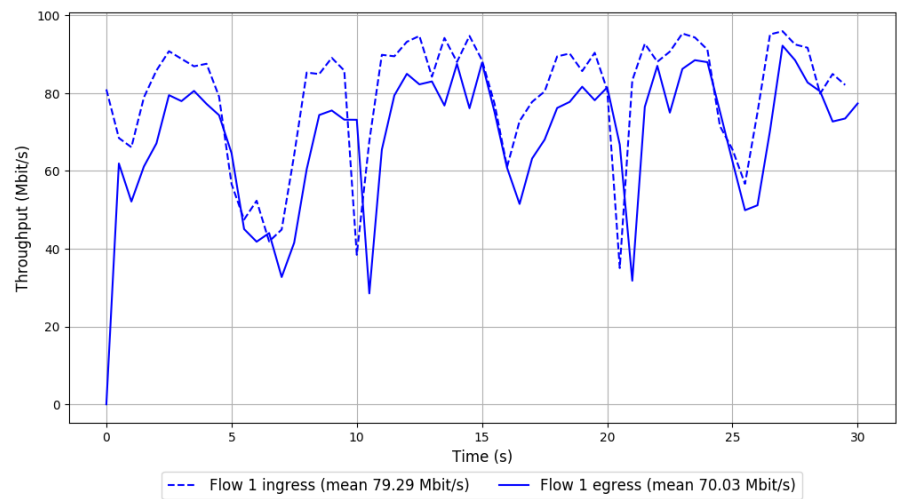
-- Flow 1:

Average throughput: 70.03 Mbit/s

95th percentile per-packet one-way delay: 12.334 ms

Loss rate: 11.68%

Run 3: Report of FillP-Sheep — Data Link

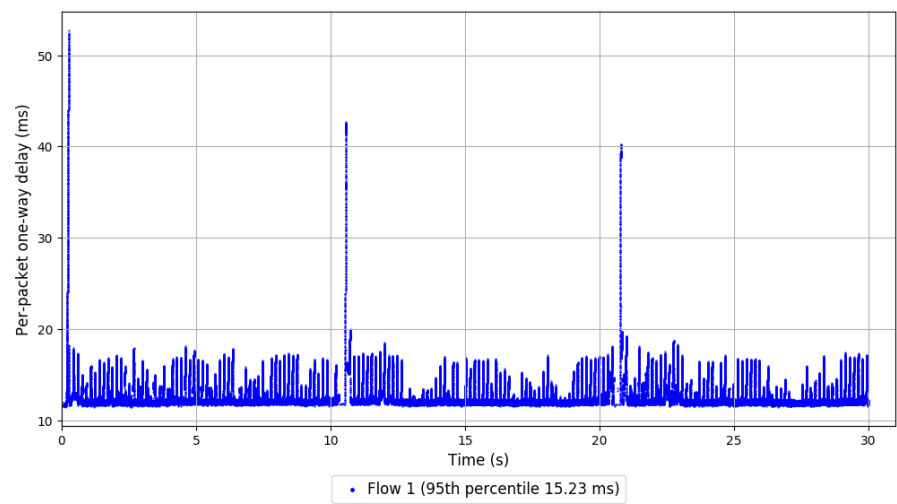
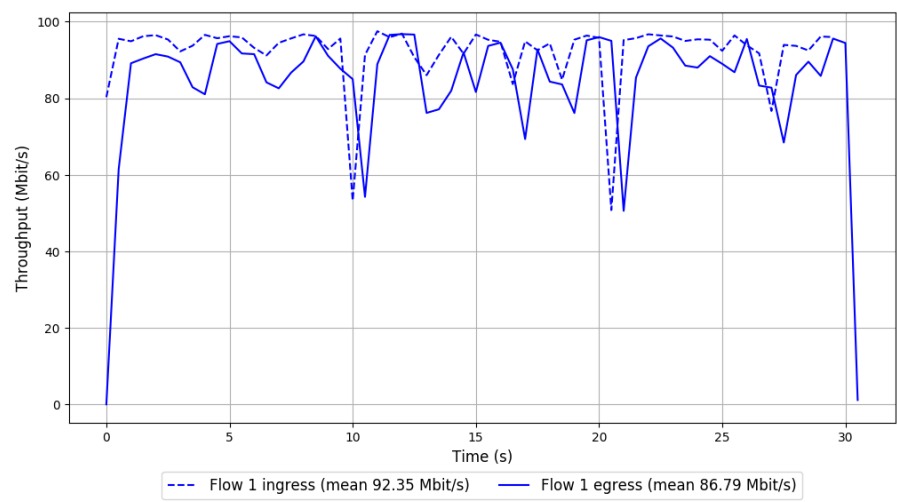


Run 4: Statistics of FillP-Sheep

Start at: 2019-03-08 22:35:23
End at: 2019-03-08 22:35:53
Local clock offset: -6.362 ms
Remote clock offset: -0.766 ms

Below is generated by plot.py at 2019-03-08 23:20:52
Datalink statistics
-- Total of 1 flow:
Average throughput: 86.79 Mbit/s
95th percentile per-packet one-way delay: 15.227 ms
Loss rate: 6.02%
-- Flow 1:
Average throughput: 86.79 Mbit/s
95th percentile per-packet one-way delay: 15.227 ms
Loss rate: 6.02%

Run 4: Report of FillP-Sheep — Data Link



Run 5: Statistics of FillP-Sheep

Start at: 2019-03-08 22:59:07

End at: 2019-03-08 22:59:37

Local clock offset: -1.584 ms

Remote clock offset: 0.207 ms

Below is generated by plot.py at 2019-03-08 23:20:59

Datalink statistics

-- Total of 1 flow:

Average throughput: 79.68 Mbit/s

95th percentile per-packet one-way delay: 14.867 ms

Loss rate: 8.90%

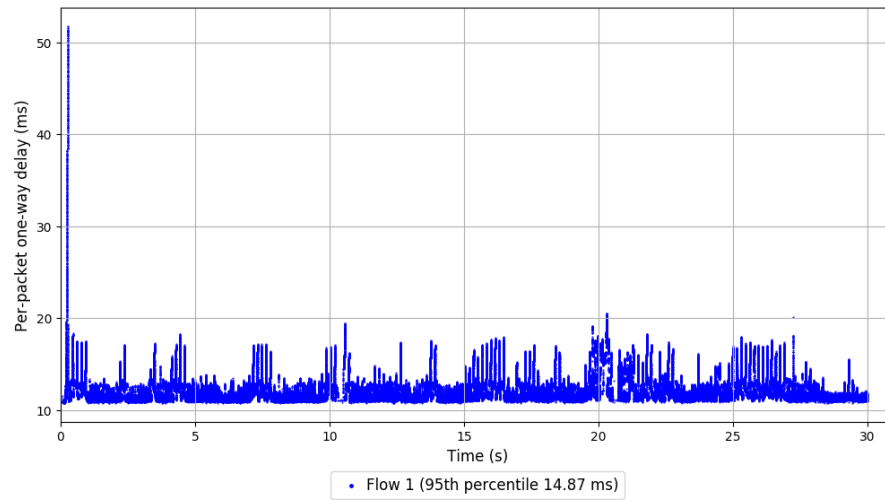
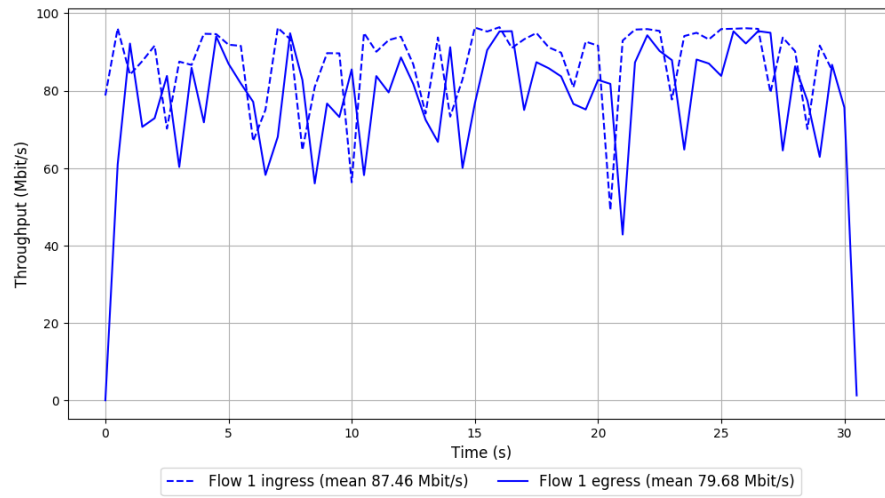
-- Flow 1:

Average throughput: 79.68 Mbit/s

95th percentile per-packet one-way delay: 14.867 ms

Loss rate: 8.90%

Run 5: Report of FillP-Sheep — Data Link

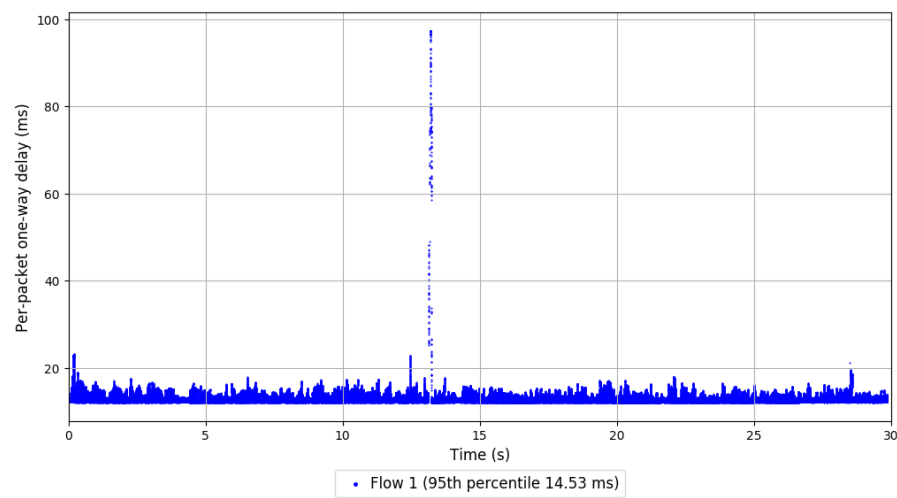
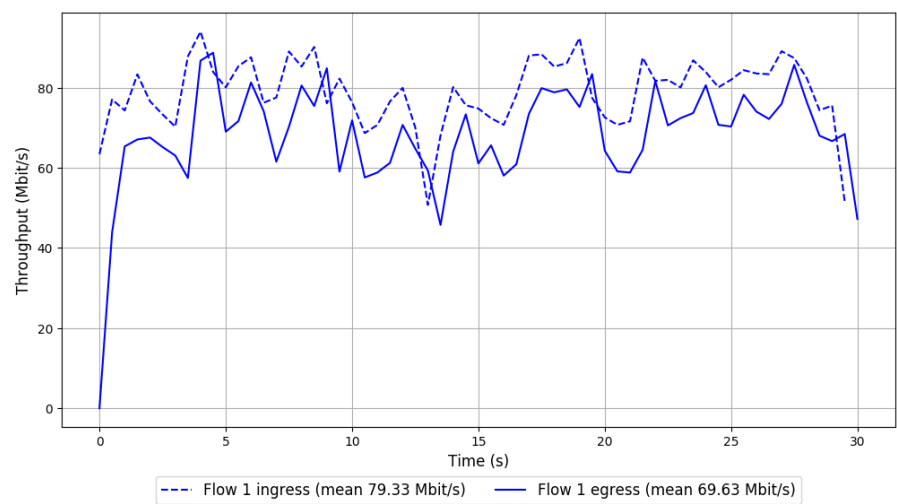


```
Run 1: Statistics of Indigo

Start at: 2019-03-08 21:37:50
End at: 2019-03-08 21:38:20
Local clock offset: -3.243 ms
Remote clock offset: 1.64 ms

# Below is generated by plot.py at 2019-03-08 23:20:59
# Datalink statistics
-- Total of 1 flow:
Average throughput: 69.63 Mbit/s
95th percentile per-packet one-way delay: 14.532 ms
Loss rate: 12.22%
-- Flow 1:
Average throughput: 69.63 Mbit/s
95th percentile per-packet one-way delay: 14.532 ms
Loss rate: 12.22%
```

Run 1: Report of Indigo — Data Link

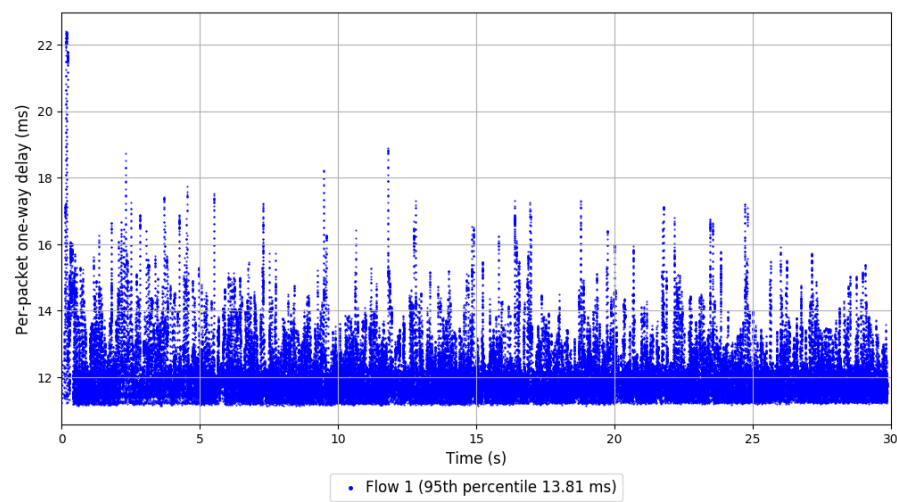
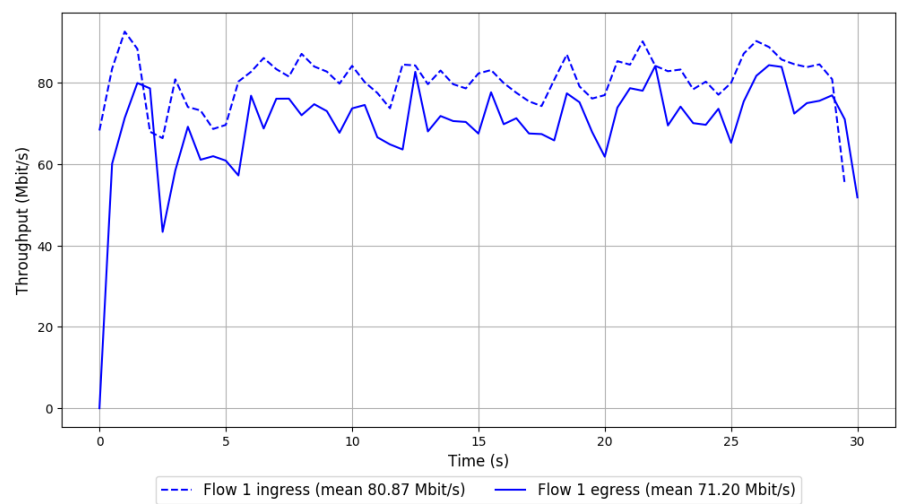


Run 2: Statistics of Indigo

Start at: 2019-03-08 22:01:16
End at: 2019-03-08 22:01:46
Local clock offset: 0.757 ms
Remote clock offset: -1.617 ms

Below is generated by plot.py at 2019-03-08 23:21:07
Datalink statistics
-- Total of 1 flow:
Average throughput: 71.20 Mbit/s
95th percentile per-packet one-way delay: 13.807 ms
Loss rate: 11.95%
-- Flow 1:
Average throughput: 71.20 Mbit/s
95th percentile per-packet one-way delay: 13.807 ms
Loss rate: 11.95%

Run 2: Report of Indigo — Data Link



Run 3: Statistics of Indigo

Start at: 2019-03-08 22:25:16

End at: 2019-03-08 22:25:46

Local clock offset: -2.115 ms

Remote clock offset: 0.0 ms

Below is generated by plot.py at 2019-03-08 23:21:13

Datalink statistics

-- Total of 1 flow:

Average throughput: 78.67 Mbit/s

95th percentile per-packet one-way delay: 12.990 ms

Loss rate: 9.70%

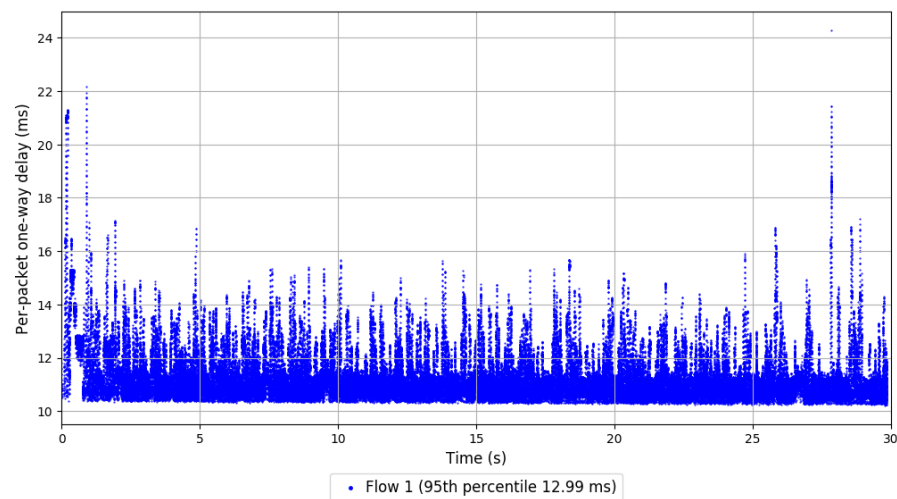
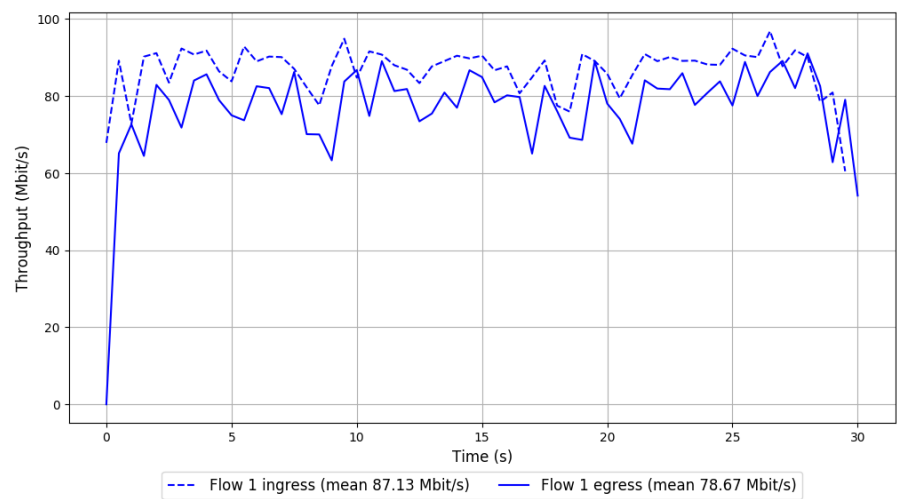
-- Flow 1:

Average throughput: 78.67 Mbit/s

95th percentile per-packet one-way delay: 12.990 ms

Loss rate: 9.70%

Run 3: Report of Indigo — Data Link



Run 4: Statistics of Indigo

Start at: 2019-03-08 22:48:47

End at: 2019-03-08 22:49:17

Local clock offset: -3.942 ms

Remote clock offset: 1.836 ms

Below is generated by plot.py at 2019-03-08 23:21:18

Datalink statistics

-- Total of 1 flow:

Average throughput: 87.51 Mbit/s

95th percentile per-packet one-way delay: 15.274 ms

Loss rate: 5.09%

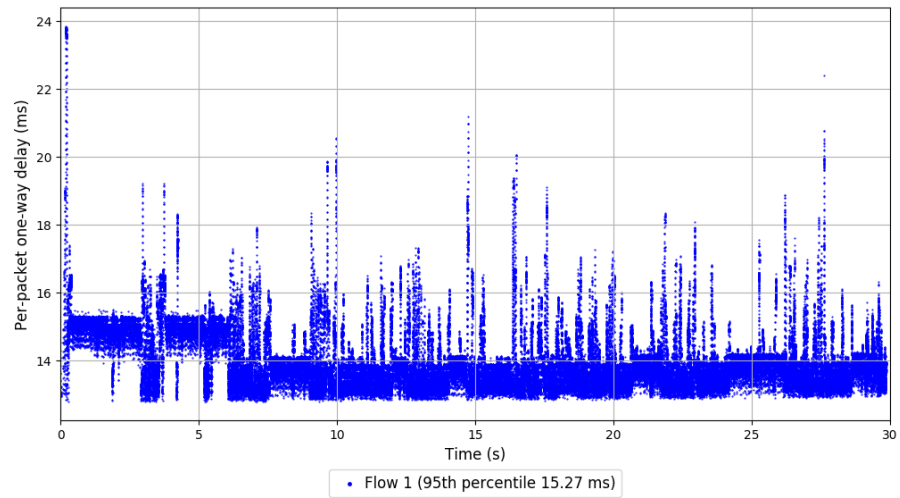
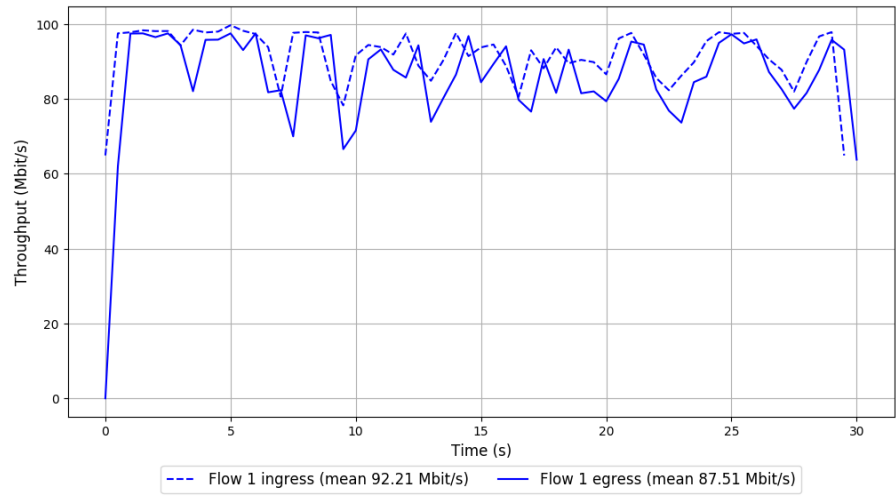
-- Flow 1:

Average throughput: 87.51 Mbit/s

95th percentile per-packet one-way delay: 15.274 ms

Loss rate: 5.09%

Run 4: Report of Indigo — Data Link

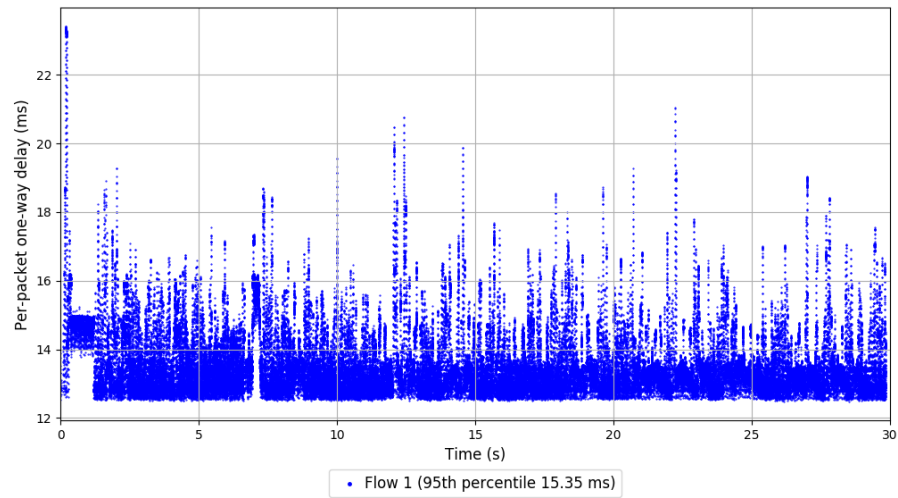
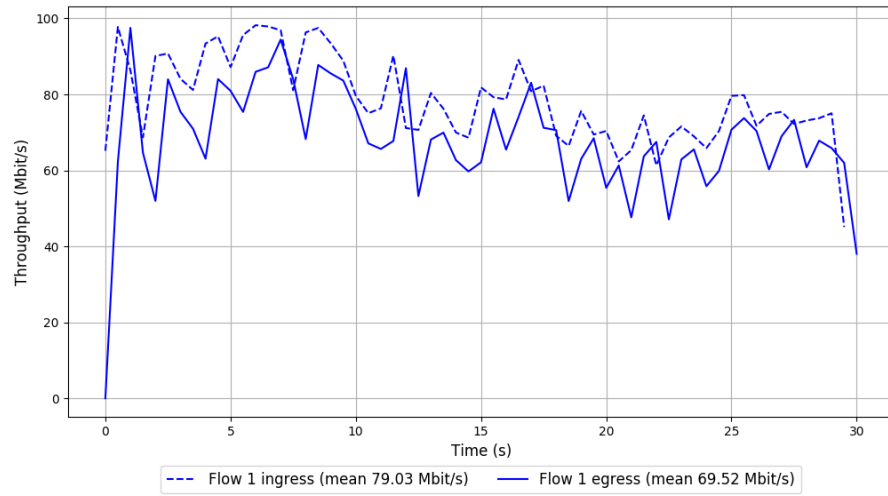


Run 5: Statistics of Indigo

Start at: 2019-03-08 23:12:27
End at: 2019-03-08 23:12:57
Local clock offset: -2.683 ms
Remote clock offset: -0.274 ms

Below is generated by plot.py at 2019-03-08 23:21:18
Datalink statistics
-- Total of 1 flow:
Average throughput: 69.52 Mbit/s
95th percentile per-packet one-way delay: 15.353 ms
Loss rate: 12.03%
-- Flow 1:
Average throughput: 69.52 Mbit/s
95th percentile per-packet one-way delay: 15.353 ms
Loss rate: 12.03%

Run 5: Report of Indigo — Data Link



Run 1: Statistics of Indigo-MusesC3

Start at: 2019-03-08 21:27:43

End at: 2019-03-08 21:28:13

Local clock offset: -4.847 ms

Remote clock offset: 2.261 ms

Below is generated by plot.py at 2019-03-08 23:21:18

Datalink statistics

-- Total of 1 flow:

Average throughput: 26.03 Mbit/s

95th percentile per-packet one-way delay: 16.002 ms

Loss rate: 8.20%

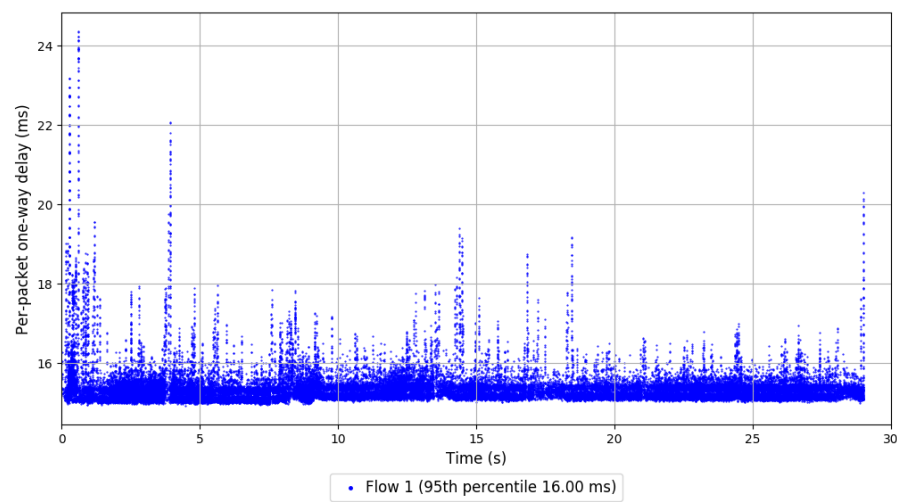
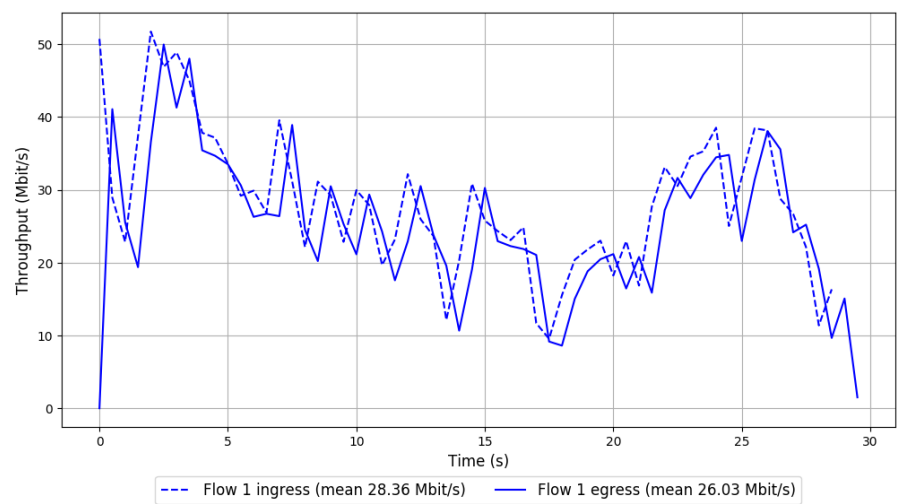
-- Flow 1:

Average throughput: 26.03 Mbit/s

95th percentile per-packet one-way delay: 16.002 ms

Loss rate: 8.20%

Run 1: Report of Indigo-MusesC3 — Data Link

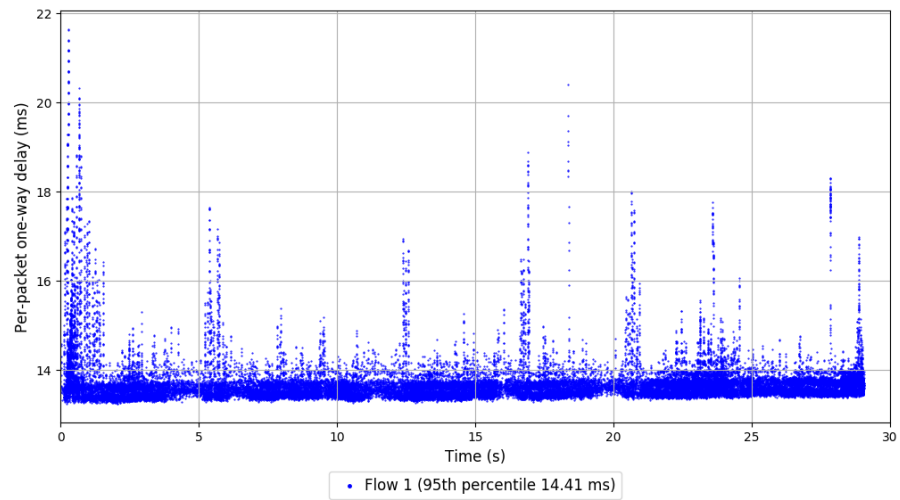
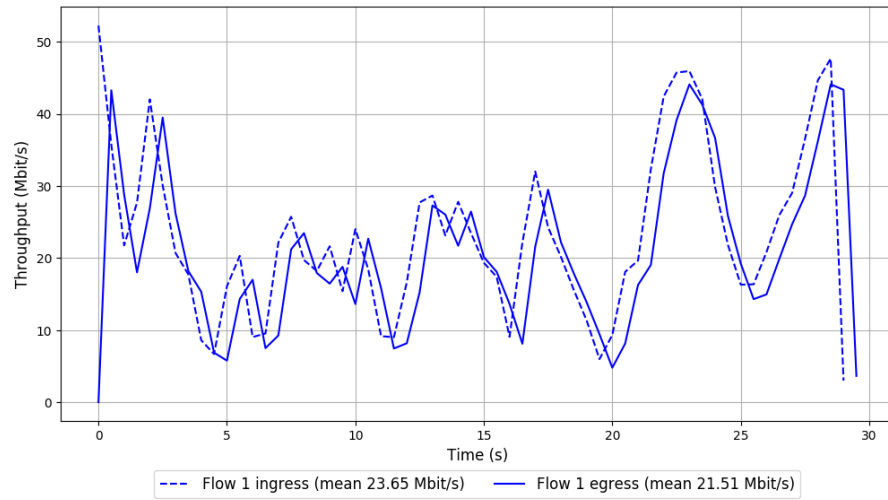


Run 2: Statistics of Indigo-MusesC3

Start at: 2019-03-08 21:51:15
End at: 2019-03-08 21:51:45
Local clock offset: -0.655 ms
Remote clock offset: 1.436 ms

Below is generated by plot.py at 2019-03-08 23:21:18
Datalink statistics
-- Total of 1 flow:
Average throughput: 21.51 Mbit/s
95th percentile per-packet one-way delay: 14.414 ms
Loss rate: 9.04%
-- Flow 1:
Average throughput: 21.51 Mbit/s
95th percentile per-packet one-way delay: 14.414 ms
Loss rate: 9.04%

Run 2: Report of Indigo-MusesC3 — Data Link



Run 3: Statistics of Indigo-MusesC3

Start at: 2019-03-08 22:15:03

End at: 2019-03-08 22:15:33

Local clock offset: 1.562 ms

Remote clock offset: 0.491 ms

Below is generated by plot.py at 2019-03-08 23:21:18

Datalink statistics

-- Total of 1 flow:

Average throughput: 38.92 Mbit/s

95th percentile per-packet one-way delay: 13.175 ms

Loss rate: 6.07%

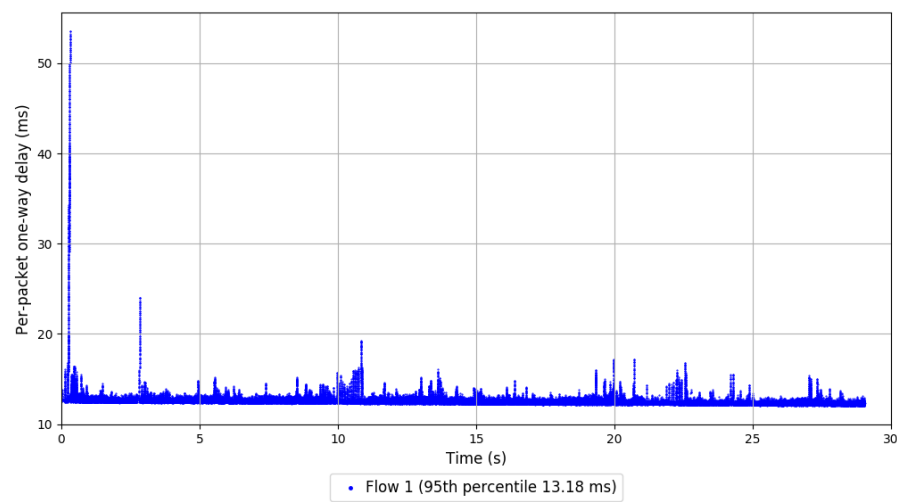
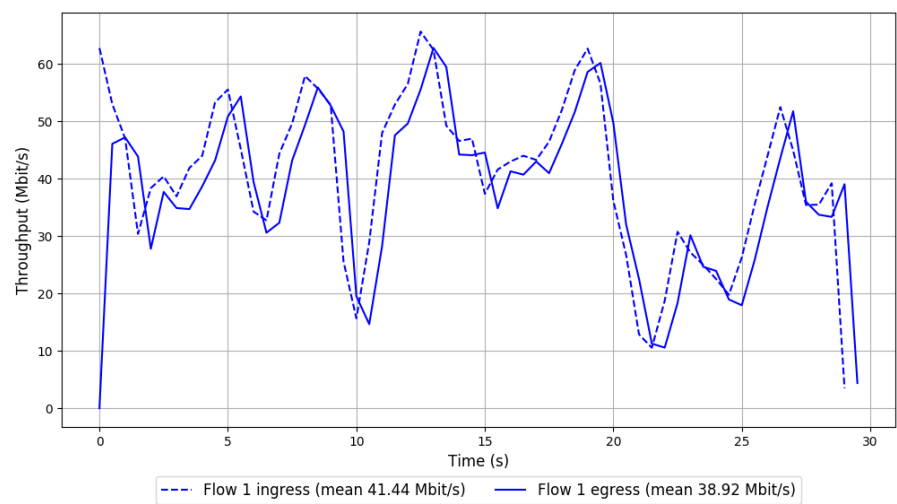
-- Flow 1:

Average throughput: 38.92 Mbit/s

95th percentile per-packet one-way delay: 13.175 ms

Loss rate: 6.07%

Run 3: Report of Indigo-MusesC3 — Data Link



Run 4: Statistics of Indigo-MusesC3

Start at: 2019-03-08 22:38:47

End at: 2019-03-08 22:39:17

Local clock offset: -5.069 ms

Remote clock offset: 1.009 ms

Below is generated by plot.py at 2019-03-08 23:21:31

Datalink statistics

-- Total of 1 flow:

Average throughput: 51.79 Mbit/s

95th percentile per-packet one-way delay: 12.349 ms

Loss rate: 3.08%

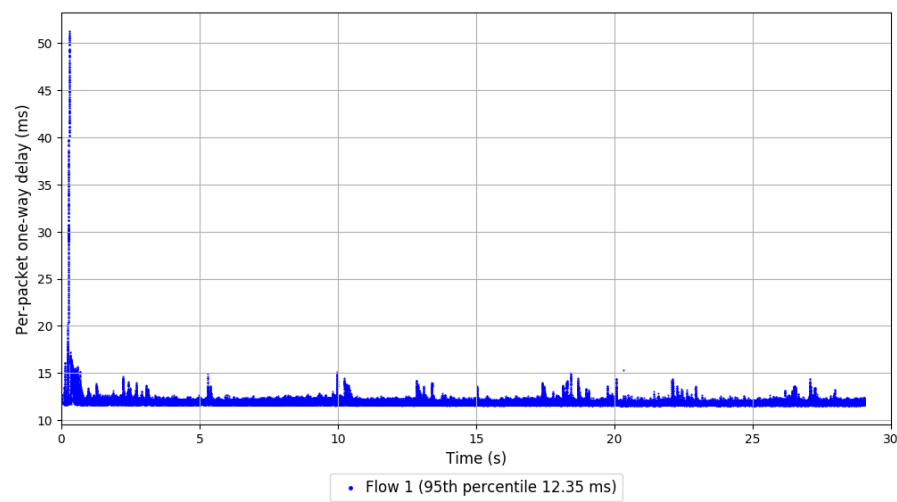
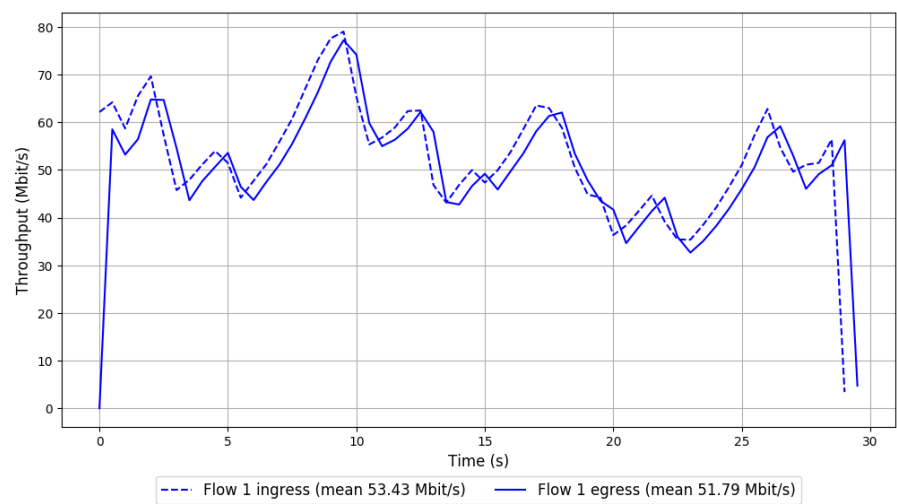
-- Flow 1:

Average throughput: 51.79 Mbit/s

95th percentile per-packet one-way delay: 12.349 ms

Loss rate: 3.08%

Run 4: Report of Indigo-MusesC3 — Data Link

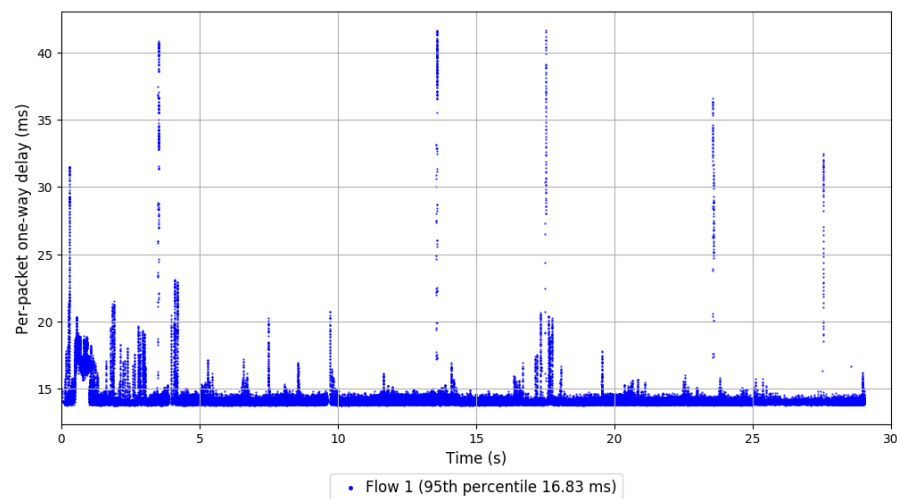
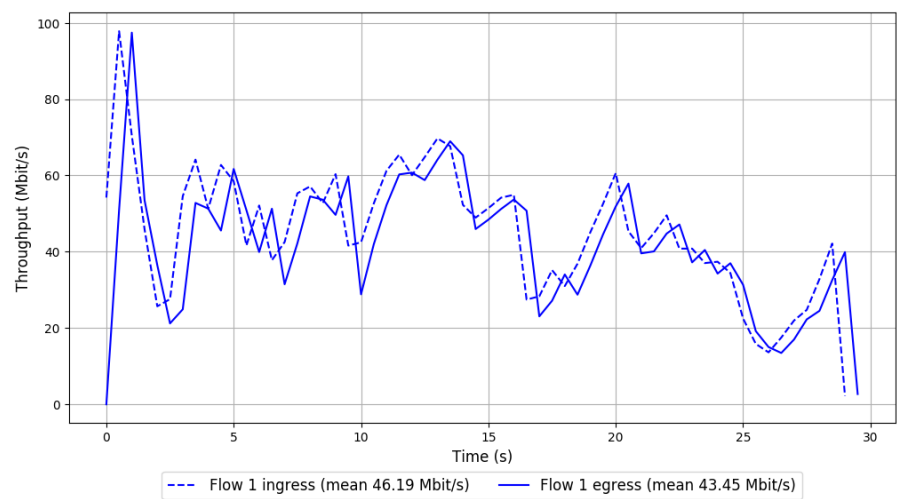


Run 5: Statistics of Indigo-MusesC3

Start at: 2019-03-08 23:02:29
End at: 2019-03-08 23:02:59
Local clock offset: -4.35 ms
Remote clock offset: -0.121 ms

Below is generated by plot.py at 2019-03-08 23:21:31
Datalink statistics
-- Total of 1 flow:
Average throughput: 43.45 Mbit/s
95th percentile per-packet one-way delay: 16.834 ms
Loss rate: 5.93%
-- Flow 1:
Average throughput: 43.45 Mbit/s
95th percentile per-packet one-way delay: 16.834 ms
Loss rate: 5.93%

Run 5: Report of Indigo-MusesC3 — Data Link



Run 1: Statistics of Indigo-MusesC5

Start at: 2019-03-08 21:38:58

End at: 2019-03-08 21:39:28

Local clock offset: -4.843 ms

Remote clock offset: 0.729 ms

Below is generated by plot.py at 2019-03-08 23:21:32

Datalink statistics

-- Total of 1 flow:

Average throughput: 43.77 Mbit/s

95th percentile per-packet one-way delay: 14.171 ms

Loss rate: 9.47%

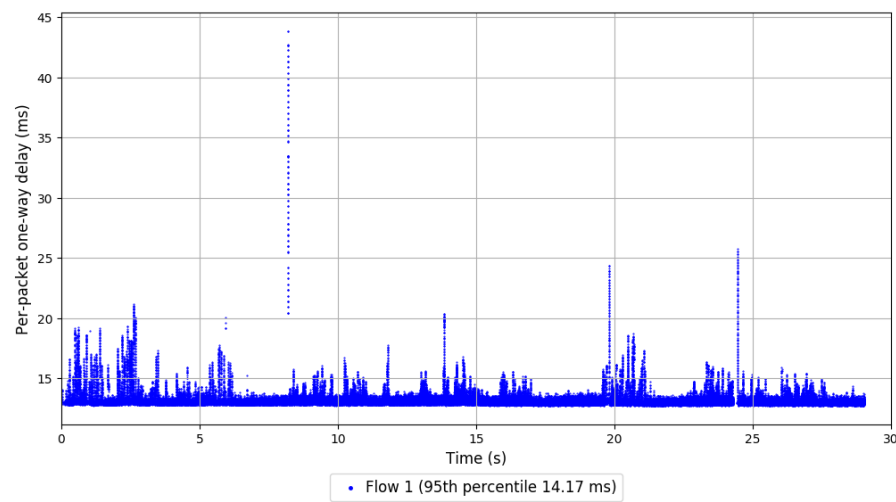
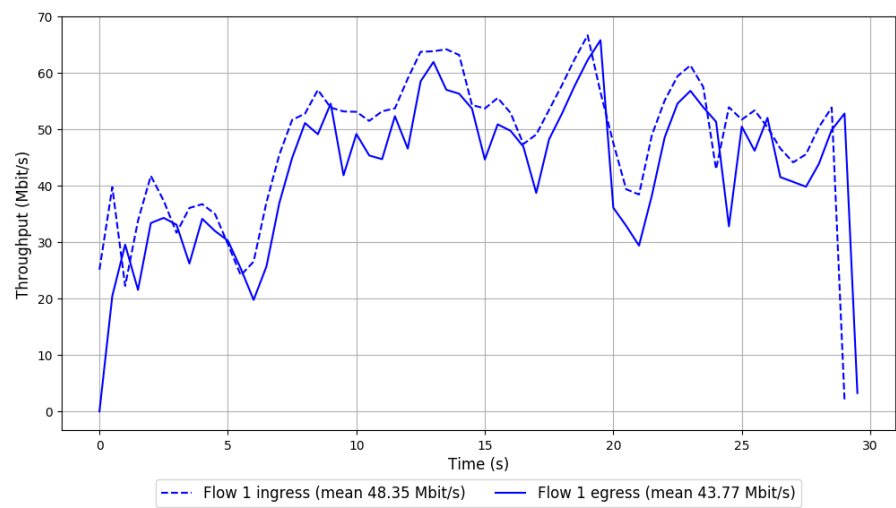
-- Flow 1:

Average throughput: 43.77 Mbit/s

95th percentile per-packet one-way delay: 14.171 ms

Loss rate: 9.47%

Run 1: Report of Indigo-MusesC5 — Data Link



Run 2: Statistics of Indigo-MusesC5

Start at: 2019-03-08 22:02:35

End at: 2019-03-08 22:03:05

Local clock offset: 1.376 ms

Remote clock offset: 0.762 ms

Below is generated by plot.py at 2019-03-08 23:21:37

Datalink statistics

-- Total of 1 flow:

Average throughput: 46.89 Mbit/s

95th percentile per-packet one-way delay: 14.325 ms

Loss rate: 9.48%

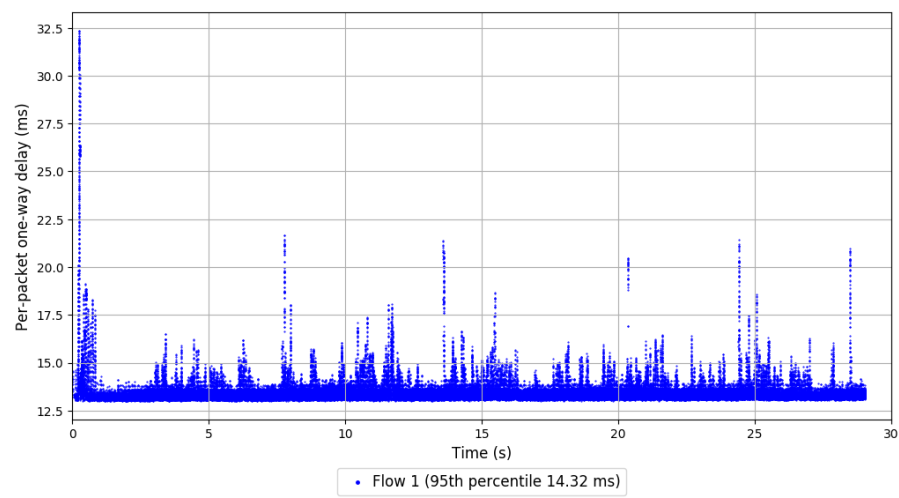
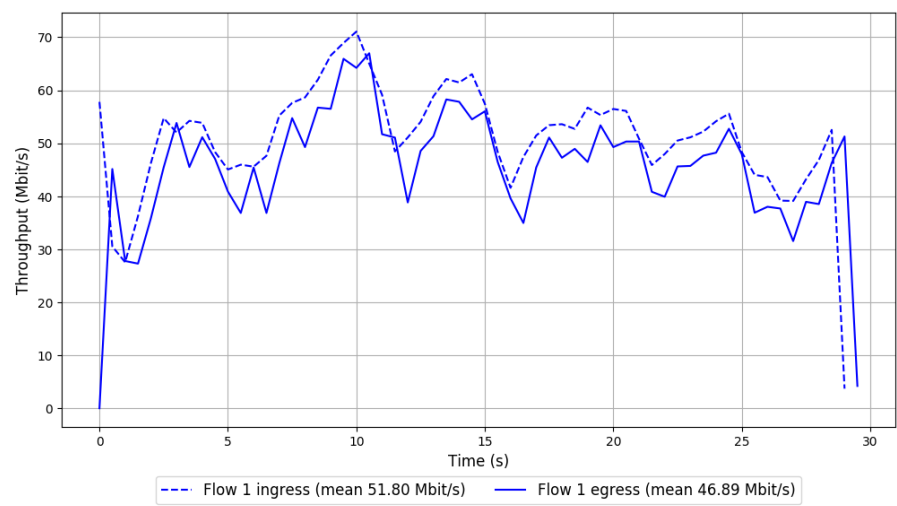
-- Flow 1:

Average throughput: 46.89 Mbit/s

95th percentile per-packet one-way delay: 14.325 ms

Loss rate: 9.48%

Run 2: Report of Indigo-MusesC5 — Data Link



Run 3: Statistics of Indigo-MusesC5

Start at: 2019-03-08 22:26:26

End at: 2019-03-08 22:26:56

Local clock offset: -6.174 ms

Remote clock offset: 0.363 ms

Below is generated by plot.py at 2019-03-08 23:21:57

Datalink statistics

-- Total of 1 flow:

Average throughput: 65.62 Mbit/s

95th percentile per-packet one-way delay: 16.092 ms

Loss rate: 5.20%

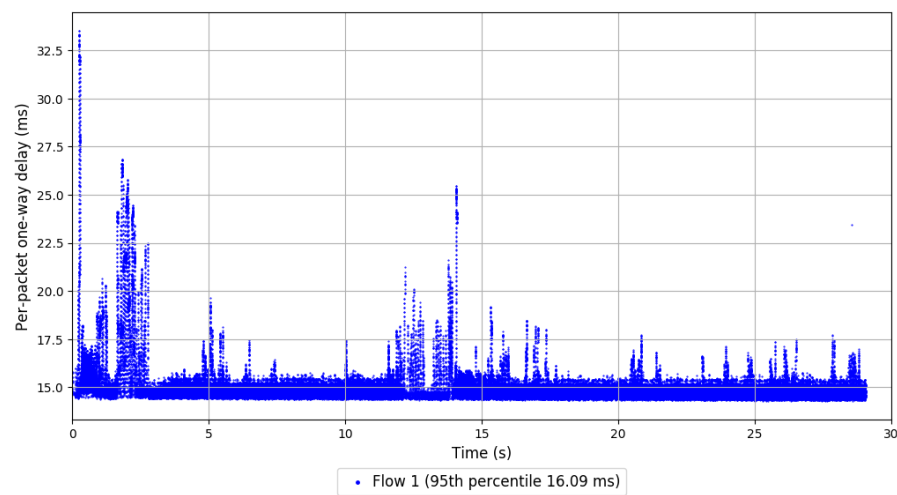
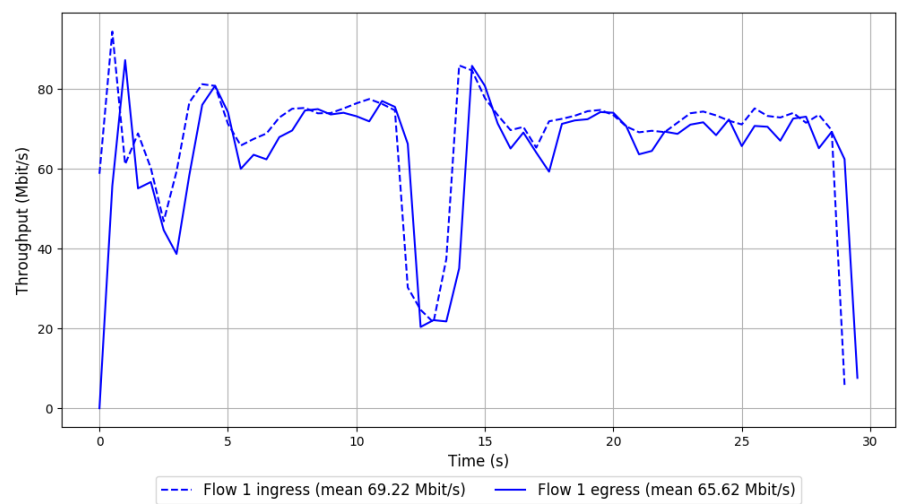
-- Flow 1:

Average throughput: 65.62 Mbit/s

95th percentile per-packet one-way delay: 16.092 ms

Loss rate: 5.20%

Run 3: Report of Indigo-MusesC5 — Data Link



Run 4: Statistics of Indigo-MusesC5

Start at: 2019-03-08 22:49:57

End at: 2019-03-08 22:50:27

Local clock offset: -3.249 ms

Remote clock offset: 0.092 ms

Below is generated by plot.py at 2019-03-08 23:21:57

Datalink statistics

-- Total of 1 flow:

Average throughput: 55.79 Mbit/s

95th percentile per-packet one-way delay: 12.823 ms

Loss rate: 1.70%

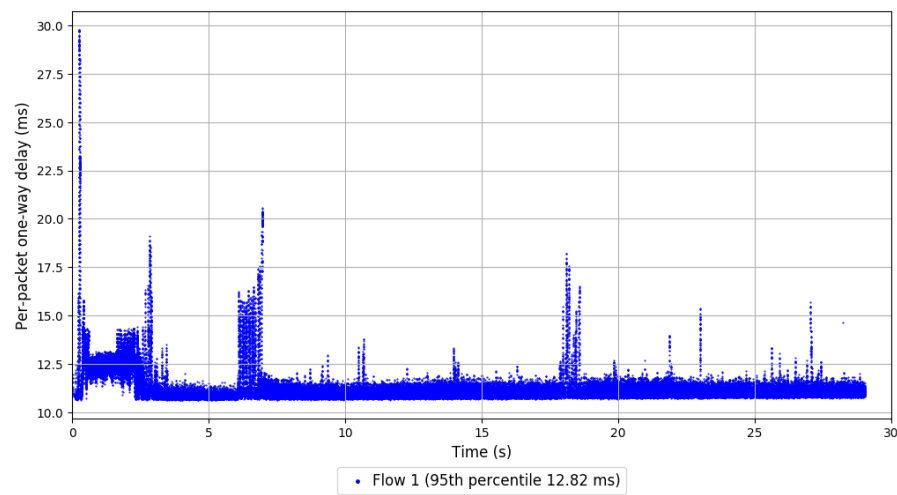
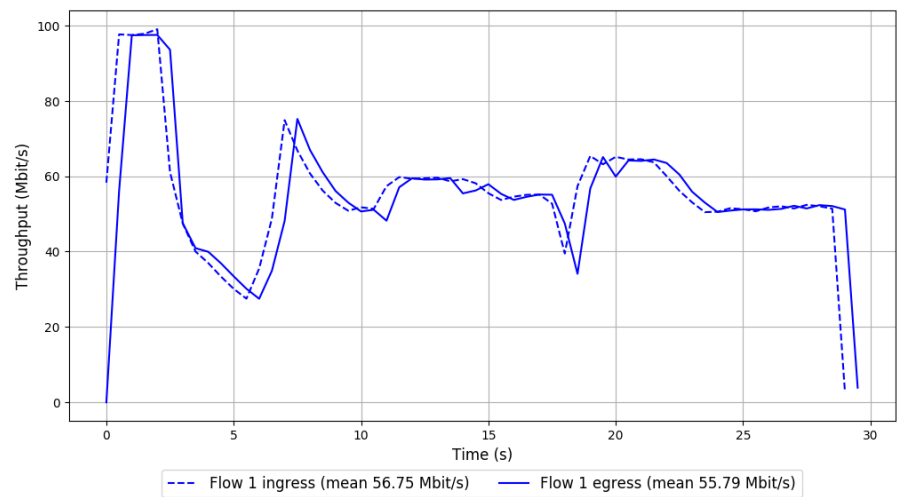
-- Flow 1:

Average throughput: 55.79 Mbit/s

95th percentile per-packet one-way delay: 12.823 ms

Loss rate: 1.70%

Run 4: Report of Indigo-MusesC5 — Data Link

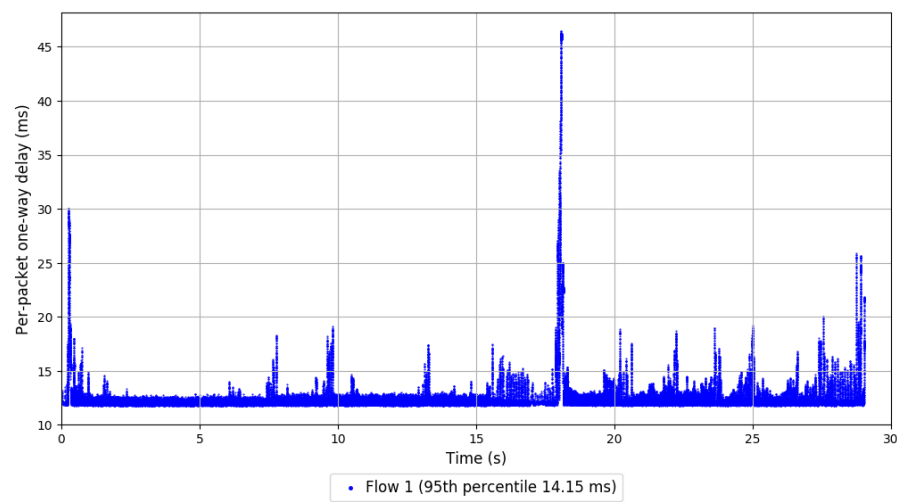
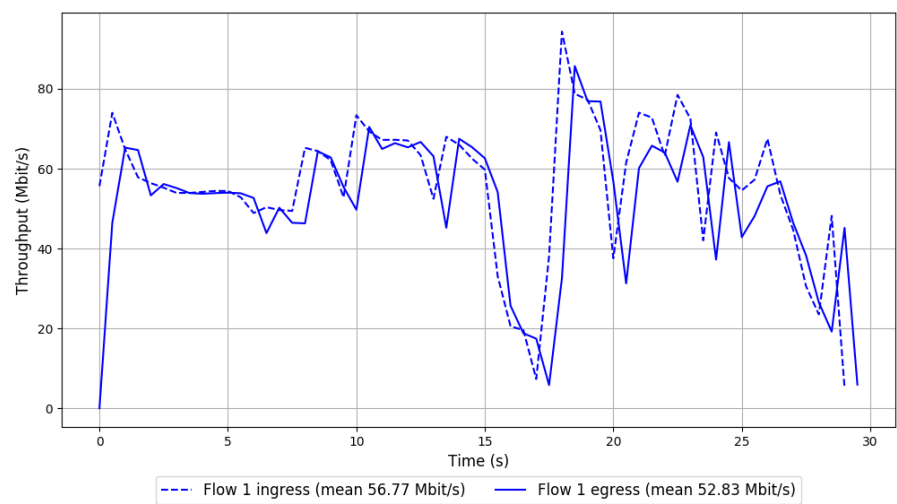


Run 5: Statistics of Indigo-MusesC5

Start at: 2019-03-08 23:13:35
End at: 2019-03-08 23:14:05
Local clock offset: -2.512 ms
Remote clock offset: -0.834 ms

Below is generated by plot.py at 2019-03-08 23:21:57
Datalink statistics
-- Total of 1 flow:
Average throughput: 52.83 Mbit/s
95th percentile per-packet one-way delay: 14.153 ms
Loss rate: 6.92%
-- Flow 1:
Average throughput: 52.83 Mbit/s
95th percentile per-packet one-way delay: 14.153 ms
Loss rate: 6.92%

Run 5: Report of Indigo-MusesC5 — Data Link



Run 1: Statistics of Indigo-MusesD

Start at: 2019-03-08 21:36:42

End at: 2019-03-08 21:37:13

Local clock offset: -4.66 ms

Remote clock offset: 0.818 ms

Below is generated by plot.py at 2019-03-08 23:21:57

Datalink statistics

-- Total of 1 flow:

Average throughput: 40.12 Mbit/s

95th percentile per-packet one-way delay: 14.640 ms

Loss rate: 9.13%

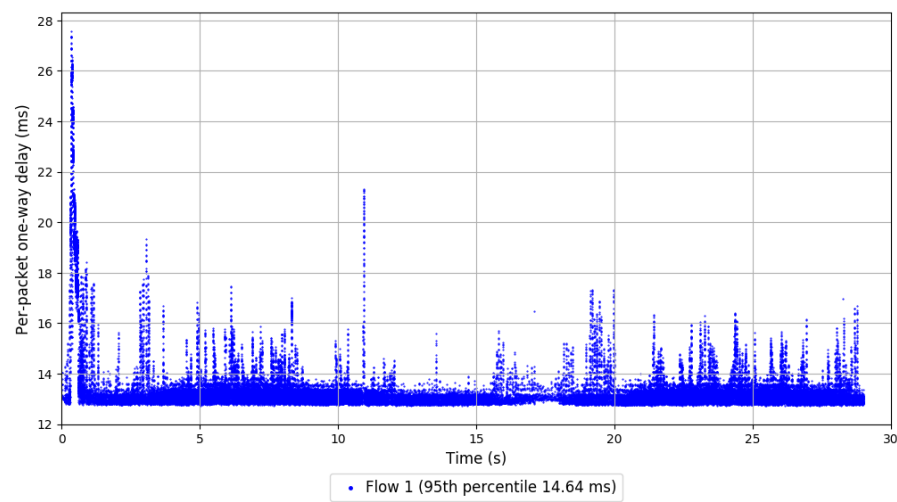
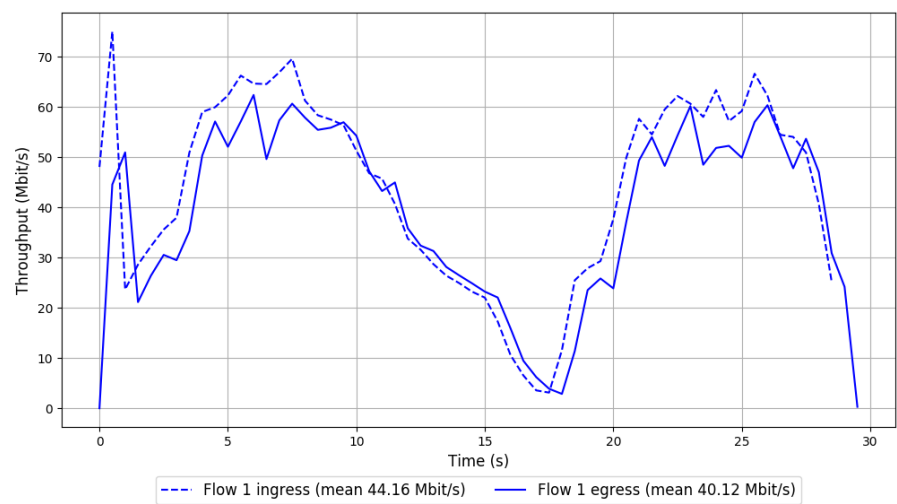
-- Flow 1:

Average throughput: 40.12 Mbit/s

95th percentile per-packet one-way delay: 14.640 ms

Loss rate: 9.13%

Run 1: Report of Indigo-MusesD — Data Link



Run 2: Statistics of Indigo-MusesD

Start at: 2019-03-08 22:00:04

End at: 2019-03-08 22:00:34

Local clock offset: 0.74 ms

Remote clock offset: 0.817 ms

Below is generated by plot.py at 2019-03-08 23:22:03

Datalink statistics

-- Total of 1 flow:

Average throughput: 45.66 Mbit/s

95th percentile per-packet one-way delay: 15.128 ms

Loss rate: 9.01%

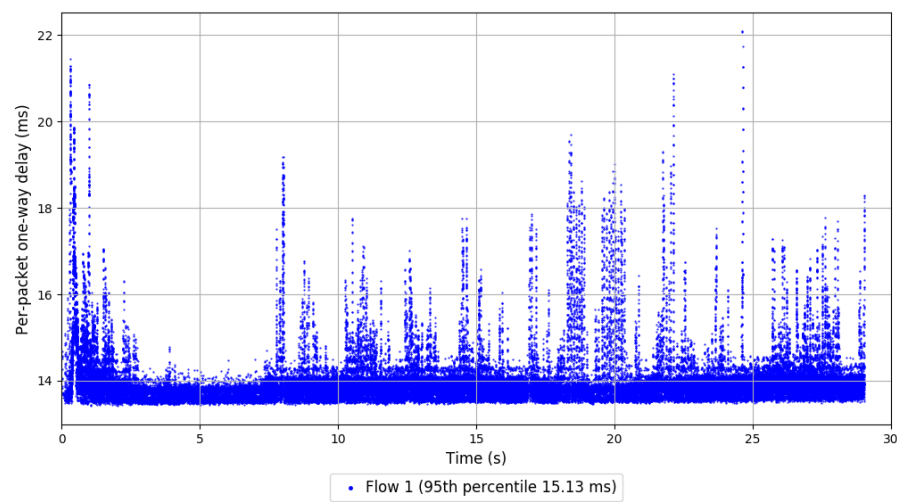
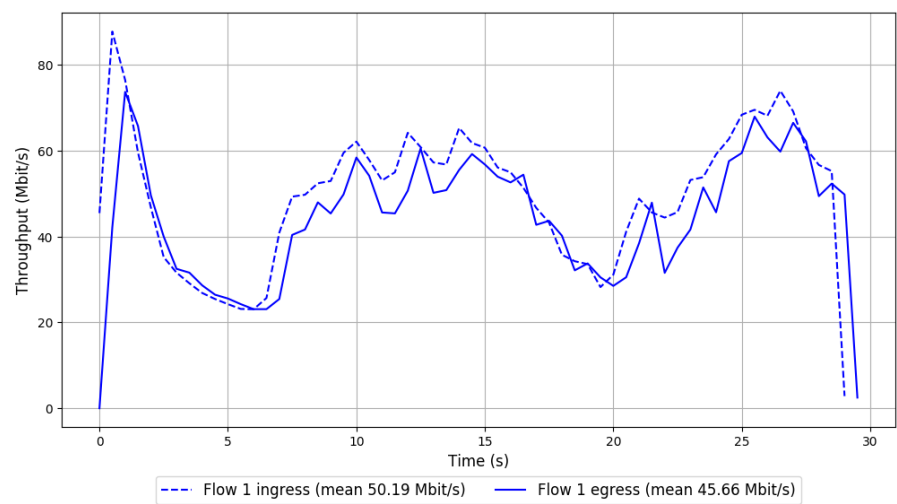
-- Flow 1:

Average throughput: 45.66 Mbit/s

95th percentile per-packet one-way delay: 15.128 ms

Loss rate: 9.01%

Run 2: Report of Indigo-MusesD — Data Link



Run 3: Statistics of Indigo-MusesD

Start at: 2019-03-08 22:24:09

End at: 2019-03-08 22:24:39

Local clock offset: -3.703 ms

Remote clock offset: 1.279 ms

Below is generated by plot.py at 2019-03-08 23:22:06

Datalink statistics

-- Total of 1 flow:

Average throughput: 46.40 Mbit/s

95th percentile per-packet one-way delay: 15.403 ms

Loss rate: 5.75%

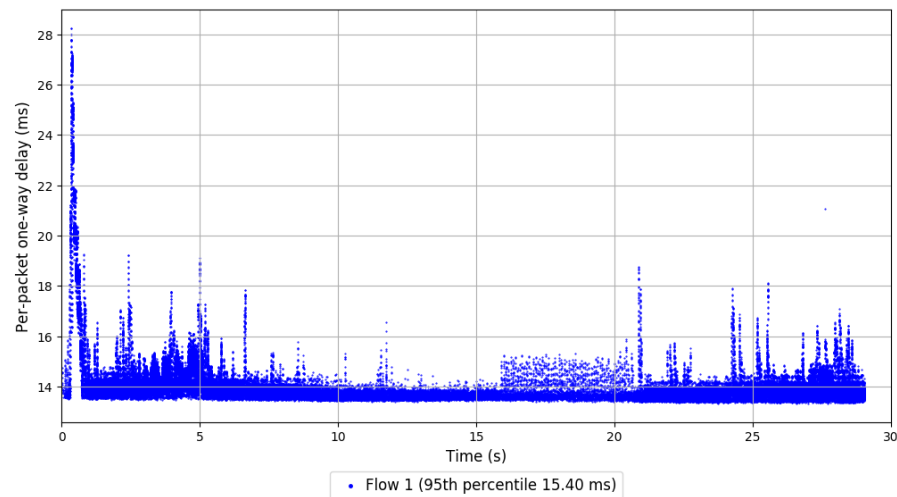
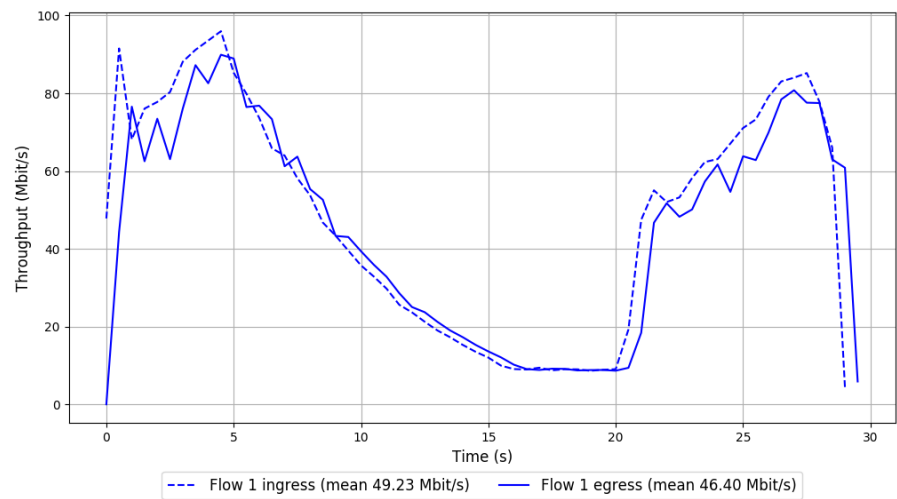
-- Flow 1:

Average throughput: 46.40 Mbit/s

95th percentile per-packet one-way delay: 15.403 ms

Loss rate: 5.75%

Run 3: Report of Indigo-MusesD — Data Link

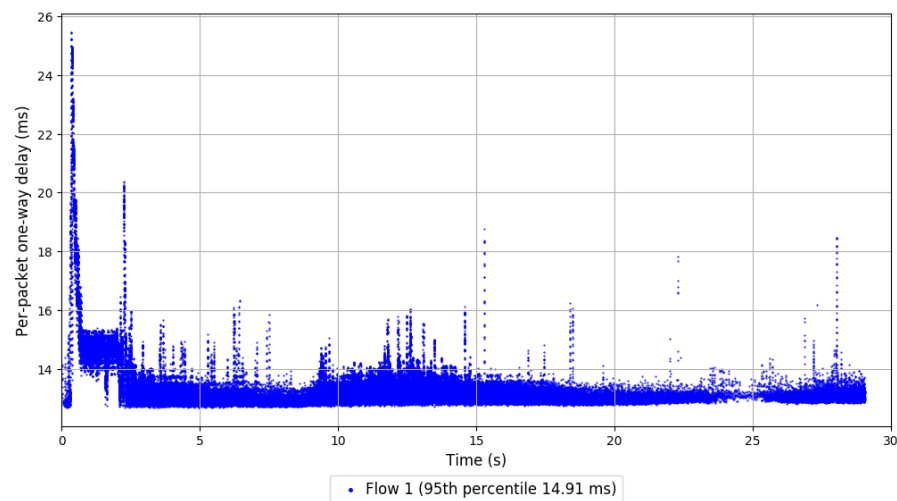
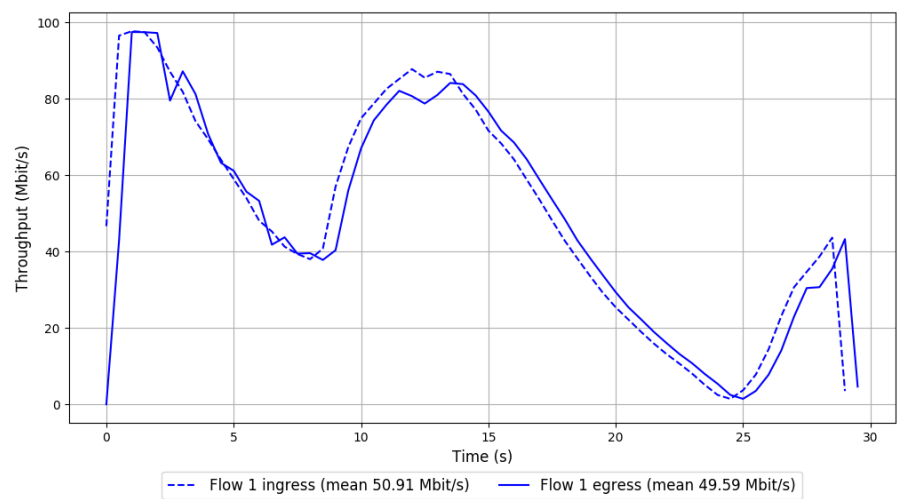


Run 4: Statistics of Indigo-MusesD

Start at: 2019-03-08 22:47:39
End at: 2019-03-08 22:48:09
Local clock offset: -6.258 ms
Remote clock offset: -0.239 ms

Below is generated by plot.py at 2019-03-08 23:22:08
Datalink statistics
-- Total of 1 flow:
Average throughput: 49.59 Mbit/s
95th percentile per-packet one-way delay: 14.910 ms
Loss rate: 2.61%
-- Flow 1:
Average throughput: 49.59 Mbit/s
95th percentile per-packet one-way delay: 14.910 ms
Loss rate: 2.61%

Run 4: Report of Indigo-MusesD — Data Link



Run 5: Statistics of Indigo-MusesD

Start at: 2019-03-08 23:11:20

End at: 2019-03-08 23:11:50

Local clock offset: -1.937 ms

Remote clock offset: -1.38 ms

Below is generated by plot.py at 2019-03-08 23:22:08

Datalink statistics

-- Total of 1 flow:

Average throughput: 40.20 Mbit/s

95th percentile per-packet one-way delay: 11.912 ms

Loss rate: 6.11%

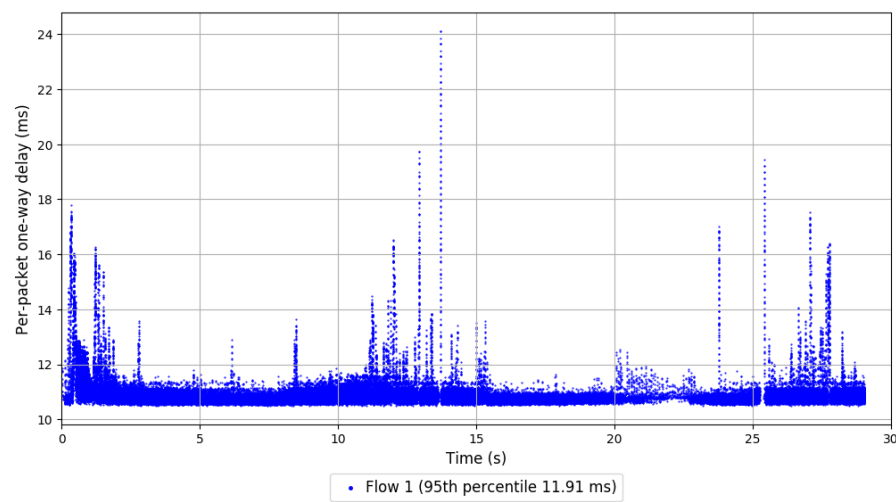
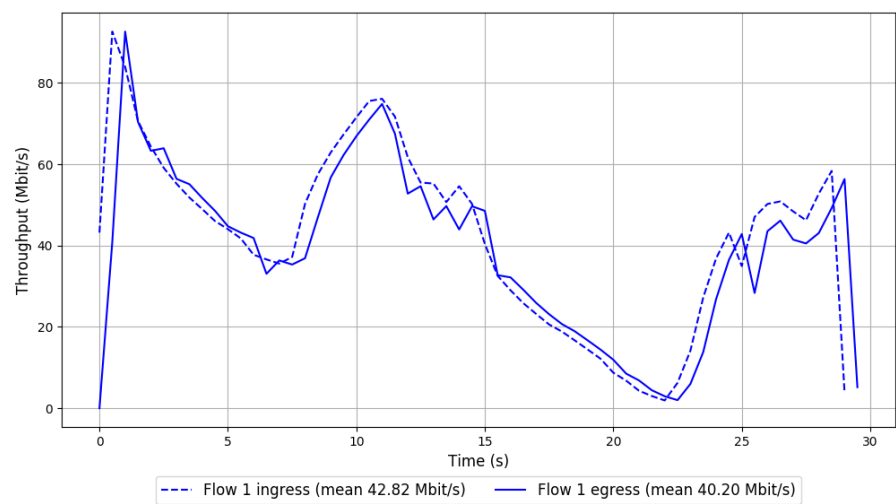
-- Flow 1:

Average throughput: 40.20 Mbit/s

95th percentile per-packet one-way delay: 11.912 ms

Loss rate: 6.11%

Run 5: Report of Indigo-MusesD — Data Link

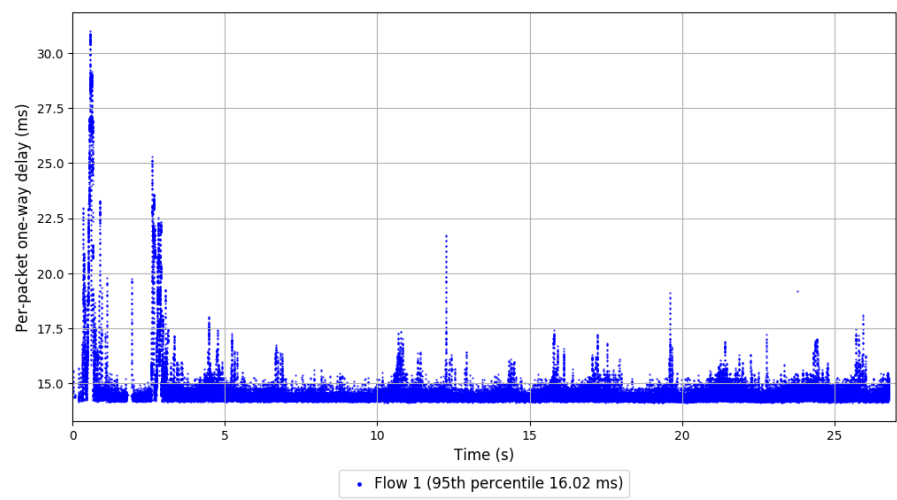
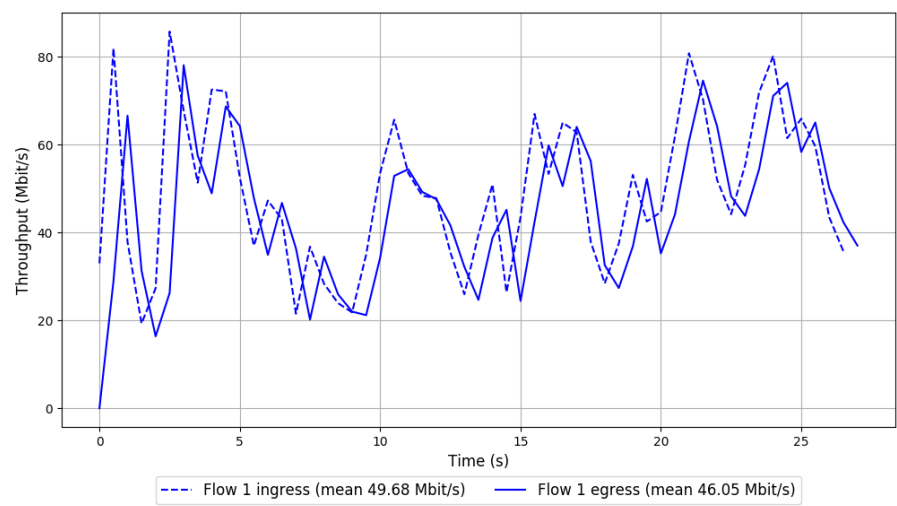


```
Run 1: Statistics of Indigo-MusesT

Start at: 2019-03-08 21:26:35
End at: 2019-03-08 21:27:05
Local clock offset: -4.192 ms
Remote clock offset: 2.03 ms

# Below is generated by plot.py at 2019-03-08 23:22:23
# Datalink statistics
-- Total of 1 flow:
Average throughput: 46.05 Mbit/s
95th percentile per-packet one-way delay: 16.024 ms
Loss rate: 7.30%
-- Flow 1:
Average throughput: 46.05 Mbit/s
95th percentile per-packet one-way delay: 16.024 ms
Loss rate: 7.30%
```

Run 1: Report of Indigo-MusesT — Data Link



Run 2: Statistics of Indigo-MusesT

Start at: 2019-03-08 21:50:08

End at: 2019-03-08 21:50:38

Local clock offset: 0.522 ms

Remote clock offset: 0.895 ms

Below is generated by plot.py at 2019-03-08 23:22:23

Datalink statistics

-- Total of 1 flow:

Average throughput: 25.71 Mbit/s

95th percentile per-packet one-way delay: 13.562 ms

Loss rate: 9.29%

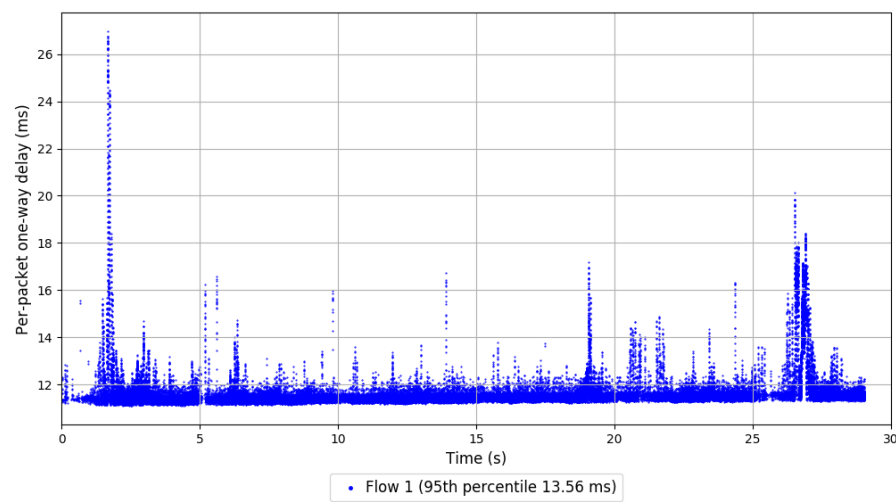
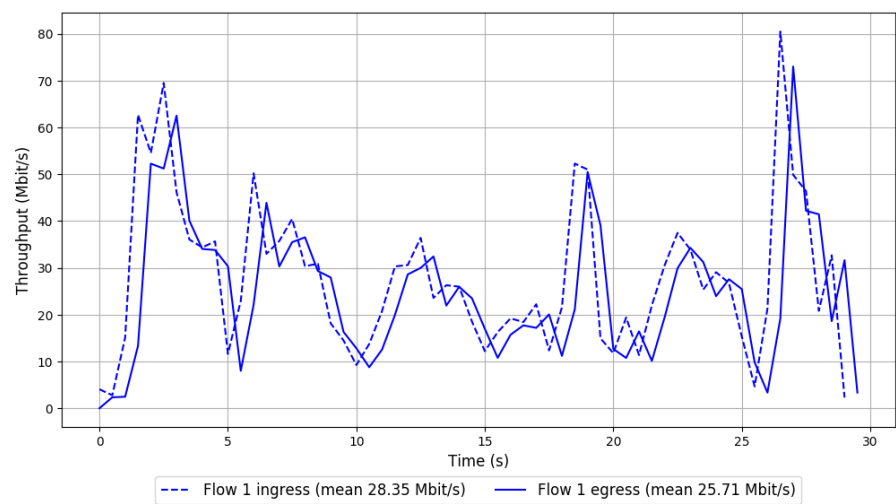
-- Flow 1:

Average throughput: 25.71 Mbit/s

95th percentile per-packet one-way delay: 13.562 ms

Loss rate: 9.29%

Run 2: Report of Indigo-MusesT — Data Link



Run 3: Statistics of Indigo-MusesT

Start at: 2019-03-08 22:13:55

End at: 2019-03-08 22:14:25

Local clock offset: 4.316 ms

Remote clock offset: 0.477 ms

Below is generated by plot.py at 2019-03-08 23:22:28

Datalink statistics

-- Total of 1 flow:

Average throughput: 47.86 Mbit/s

95th percentile per-packet one-way delay: 13.704 ms

Loss rate: 7.11%

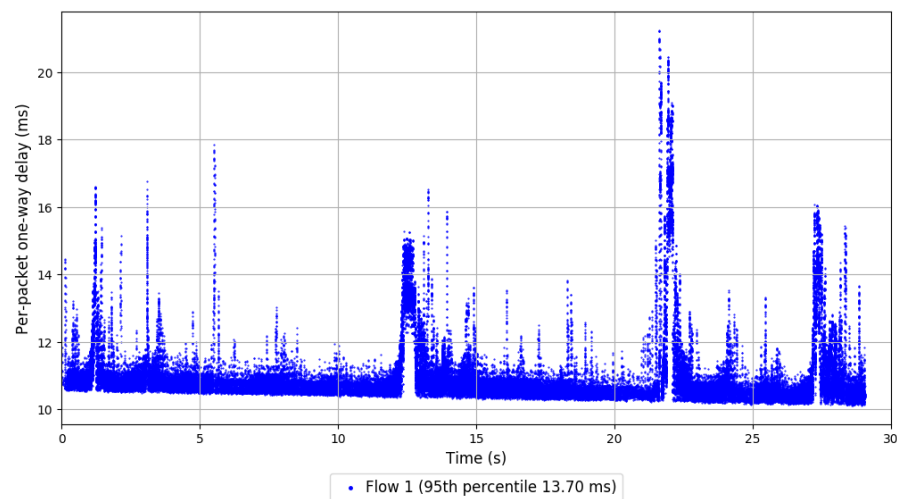
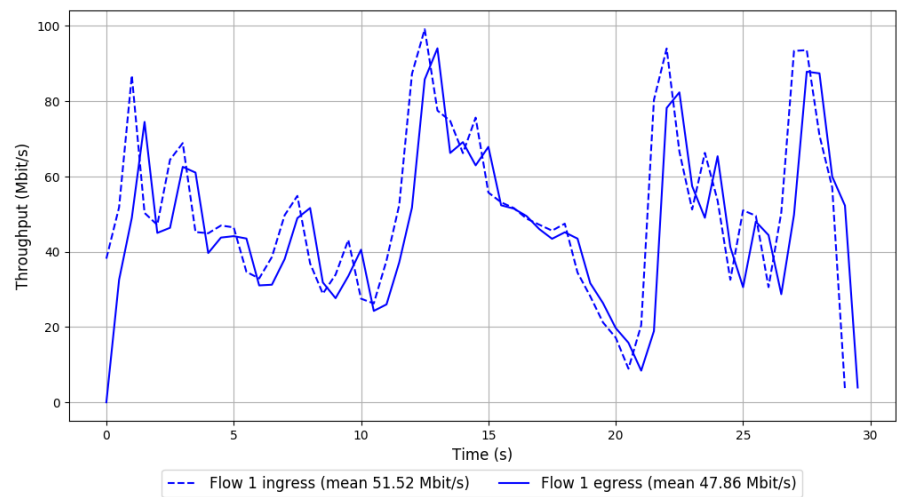
-- Flow 1:

Average throughput: 47.86 Mbit/s

95th percentile per-packet one-way delay: 13.704 ms

Loss rate: 7.11%

Run 3: Report of Indigo-MusesT — Data Link



Run 4: Statistics of Indigo-MusesT

Start at: 2019-03-08 22:37:37

End at: 2019-03-08 22:38:07

Local clock offset: -5.187 ms

Remote clock offset: 0.614 ms

Below is generated by plot.py at 2019-03-08 23:23:00

Datalink statistics

-- Total of 1 flow:

Average throughput: 86.53 Mbit/s

95th percentile per-packet one-way delay: 14.664 ms

Loss rate: 5.61%

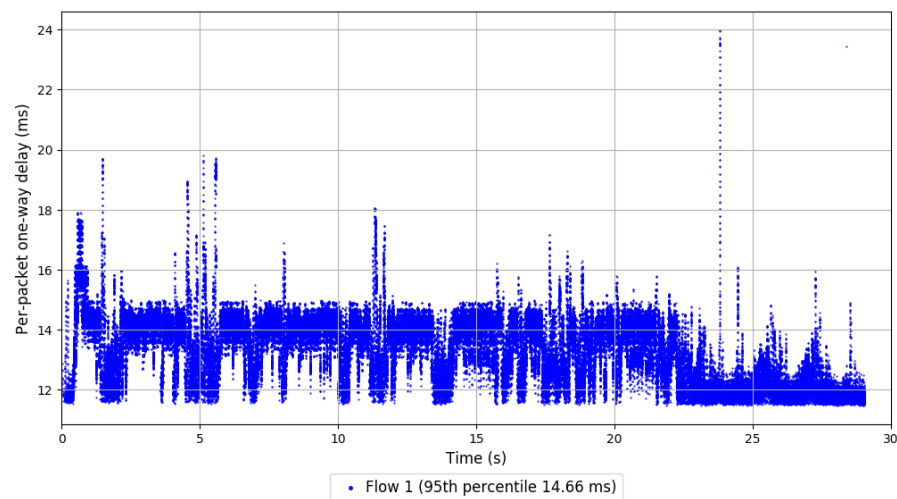
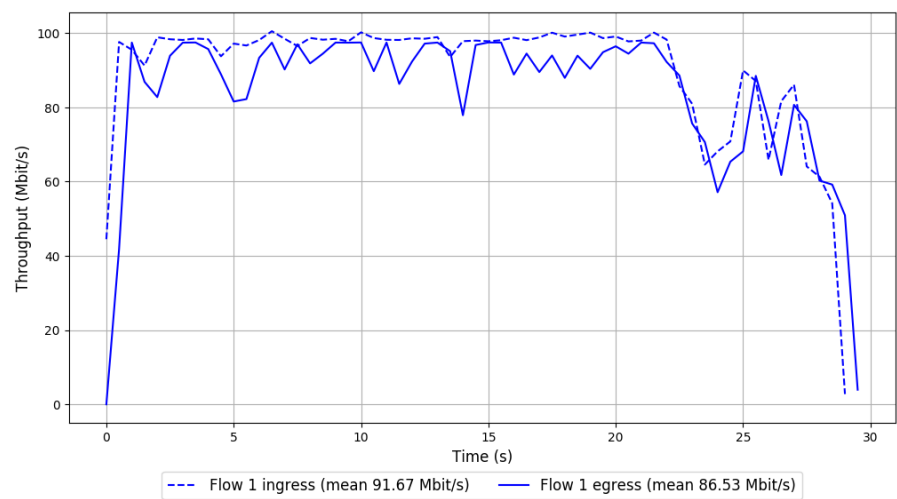
-- Flow 1:

Average throughput: 86.53 Mbit/s

95th percentile per-packet one-way delay: 14.664 ms

Loss rate: 5.61%

Run 4: Report of Indigo-MusesT — Data Link



Run 5: Statistics of Indigo-MusesT

Start at: 2019-03-08 23:01:22

End at: 2019-03-08 23:01:52

Local clock offset: -1.829 ms

Remote clock offset: 0.851 ms

Below is generated by plot.py at 2019-03-08 23:23:00

Datalink statistics

-- Total of 1 flow:

Average throughput: 48.26 Mbit/s

95th percentile per-packet one-way delay: 14.499 ms

Loss rate: 7.85%

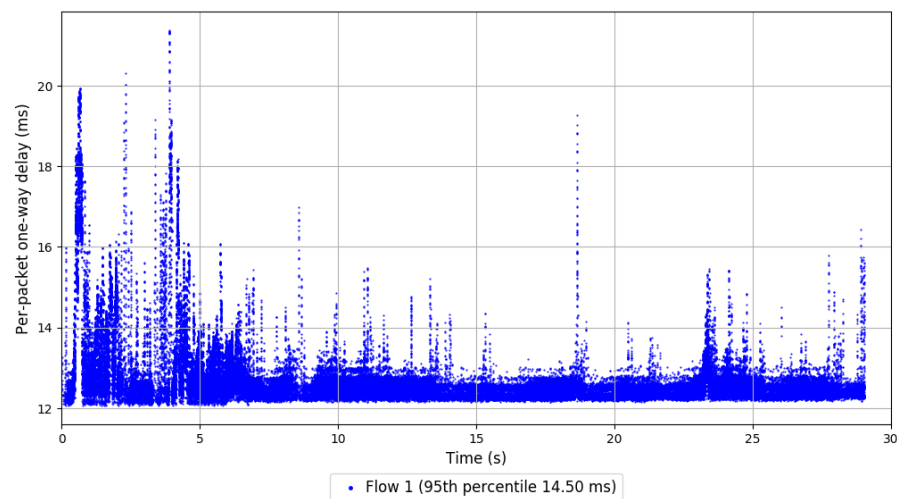
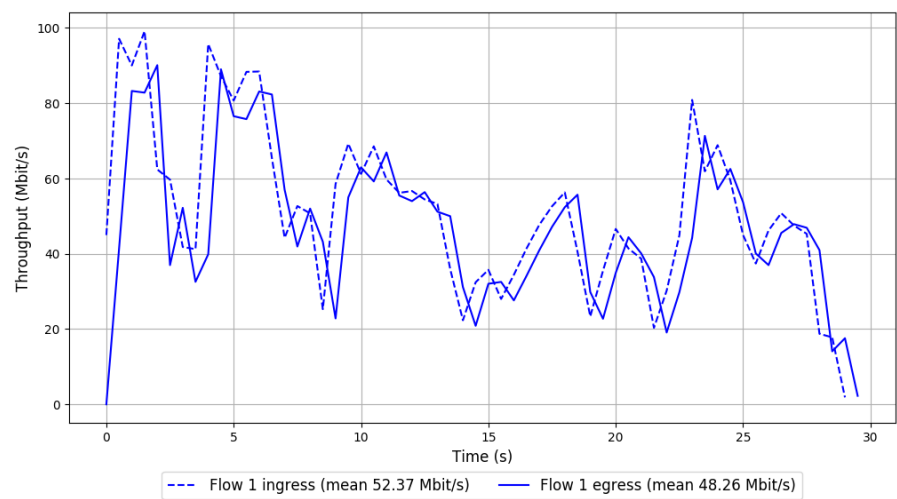
-- Flow 1:

Average throughput: 48.26 Mbit/s

95th percentile per-packet one-way delay: 14.499 ms

Loss rate: 7.85%

Run 5: Report of Indigo-MusesT — Data Link

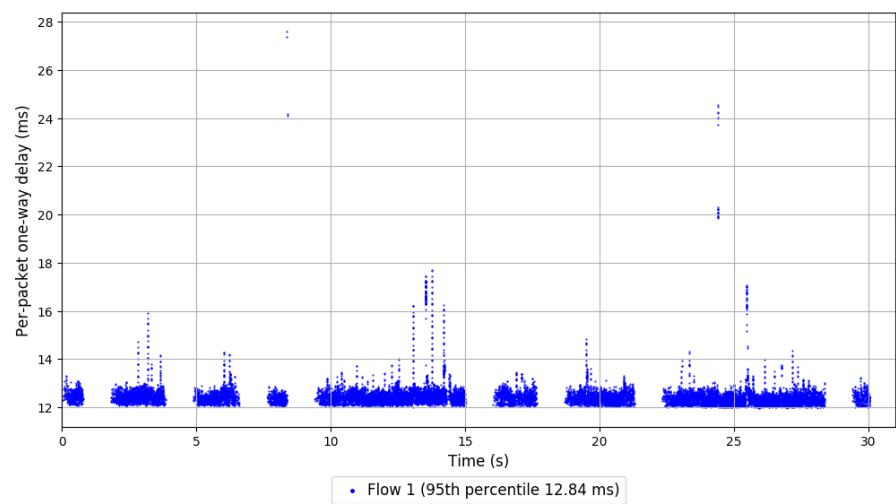
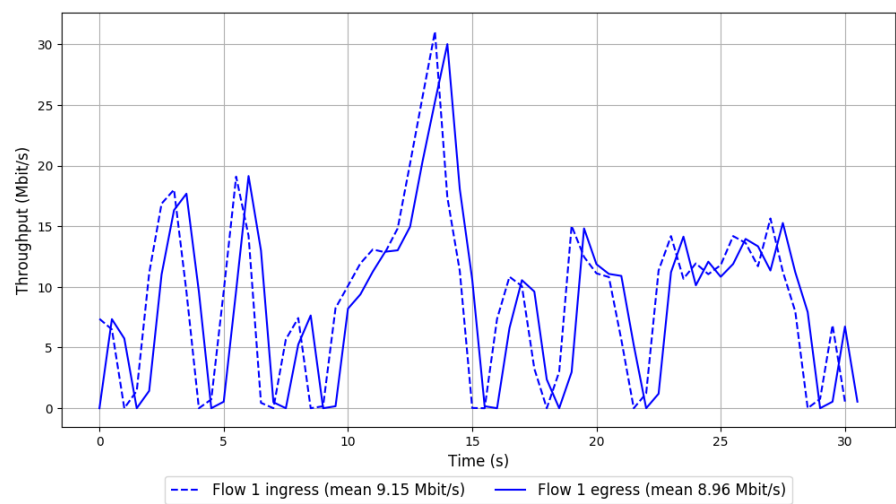


```
Run 1: Statistics of LEDBAT

Start at: 2019-03-08 21:19:51
End at: 2019-03-08 21:20:21
Local clock offset: -3.806 ms
Remote clock offset: -0.23 ms

# Below is generated by plot.py at 2019-03-08 23:23:00
# Datalink statistics
-- Total of 1 flow:
Average throughput: 8.96 Mbit/s
95th percentile per-packet one-way delay: 12.842 ms
Loss rate: 2.13%
-- Flow 1:
Average throughput: 8.96 Mbit/s
95th percentile per-packet one-way delay: 12.842 ms
Loss rate: 2.13%
```

Run 1: Report of LEDBAT — Data Link



Run 2: Statistics of LEDBAT

Start at: 2019-03-08 21:43:23

End at: 2019-03-08 21:43:53

Local clock offset: -3.381 ms

Remote clock offset: 1.477 ms

Below is generated by plot.py at 2019-03-08 23:23:00

Datalink statistics

-- Total of 1 flow:

Average throughput: 12.27 Mbit/s

95th percentile per-packet one-way delay: 12.674 ms

Loss rate: 1.14%

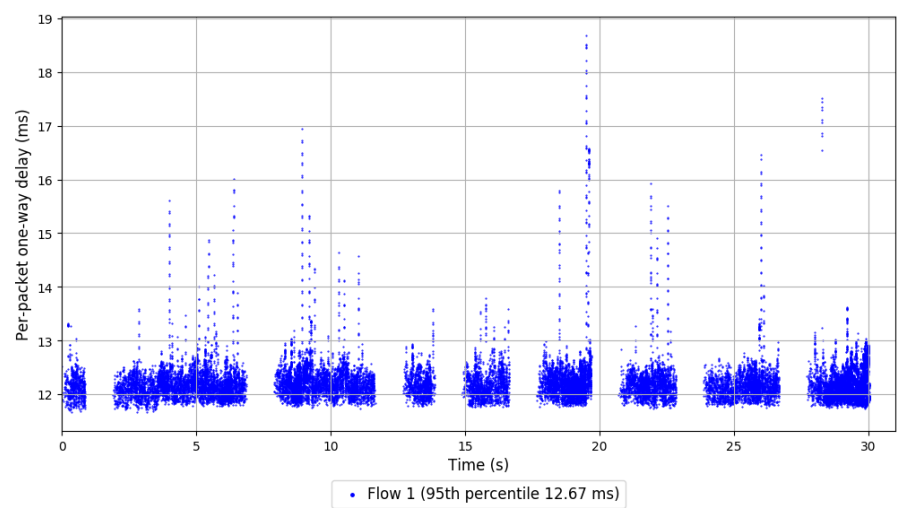
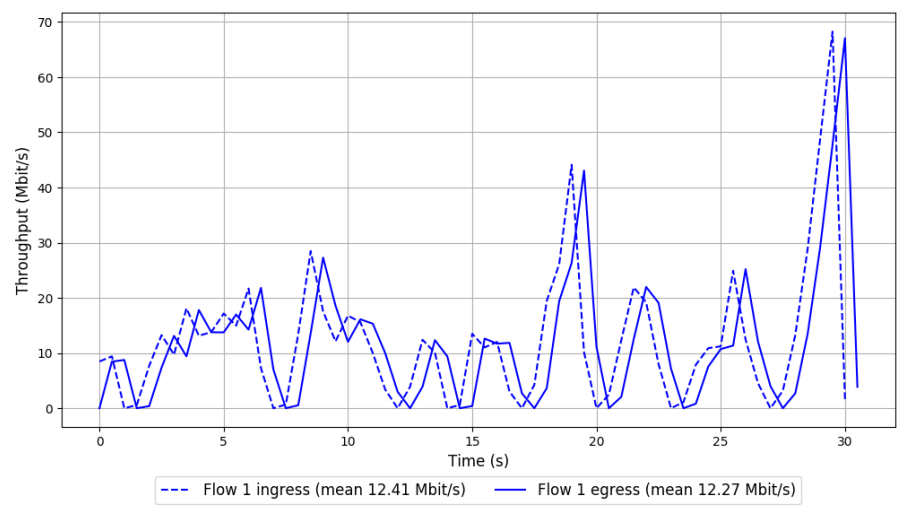
-- Flow 1:

Average throughput: 12.27 Mbit/s

95th percentile per-packet one-way delay: 12.674 ms

Loss rate: 1.14%

Run 2: Report of LEDBAT — Data Link



Run 3: Statistics of LEDBAT

Start at: 2019-03-08 22:07:03

End at: 2019-03-08 22:07:33

Local clock offset: 1.538 ms

Remote clock offset: 1.475 ms

Below is generated by plot.py at 2019-03-08 23:23:00

Datalink statistics

-- Total of 1 flow:

Average throughput: 11.95 Mbit/s

95th percentile per-packet one-way delay: 14.972 ms

Loss rate: 1.48%

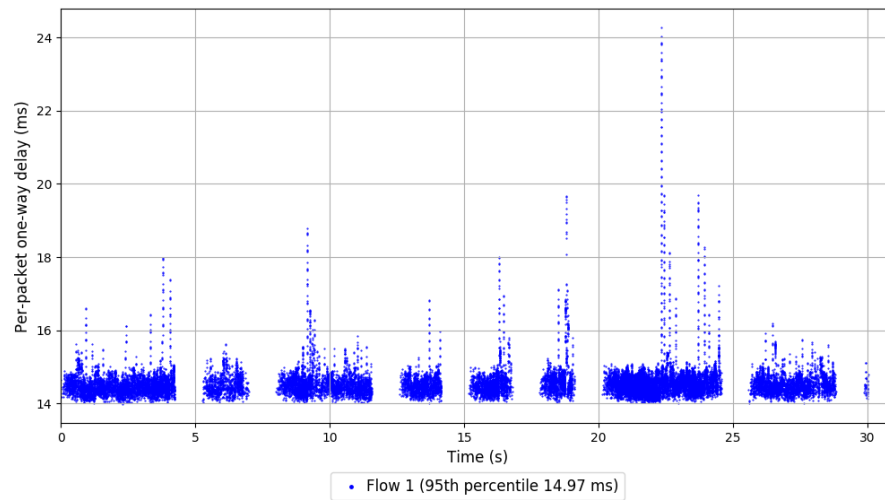
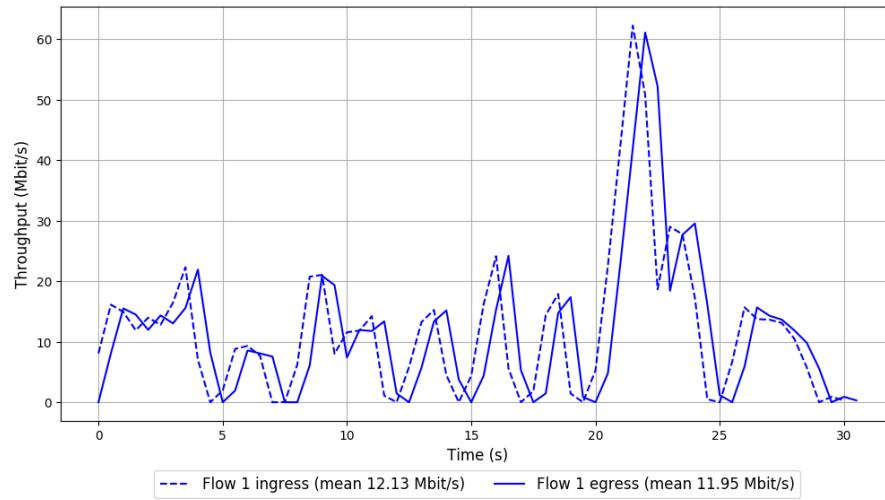
-- Flow 1:

Average throughput: 11.95 Mbit/s

95th percentile per-packet one-way delay: 14.972 ms

Loss rate: 1.48%

Run 3: Report of LEDBAT — Data Link



Run 4: Statistics of LEDBAT

Start at: 2019-03-08 22:30:53

End at: 2019-03-08 22:31:23

Local clock offset: -9.852 ms

Remote clock offset: 0.164 ms

Below is generated by plot.py at 2019-03-08 23:23:00

Datalink statistics

-- Total of 1 flow:

Average throughput: 16.25 Mbit/s

95th percentile per-packet one-way delay: 17.977 ms

Loss rate: 0.75%

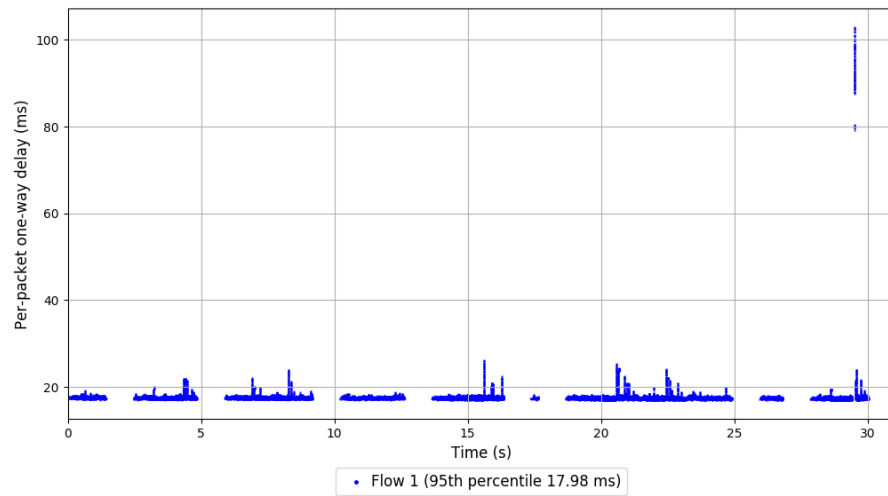
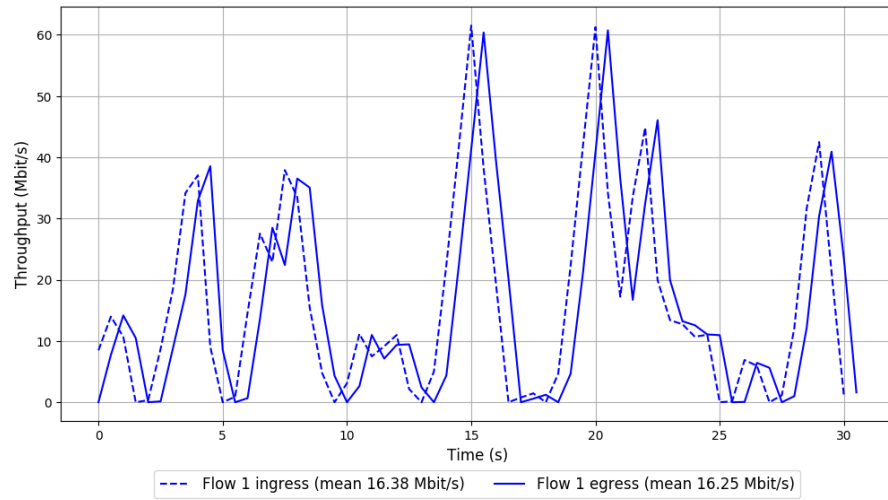
-- Flow 1:

Average throughput: 16.25 Mbit/s

95th percentile per-packet one-way delay: 17.977 ms

Loss rate: 0.75%

Run 4: Report of LEDBAT — Data Link



Run 5: Statistics of LEDBAT

Start at: 2019-03-08 22:54:33

End at: 2019-03-08 22:55:03

Local clock offset: -5.168 ms

Remote clock offset: 1.107 ms

Below is generated by plot.py at 2019-03-08 23:23:00

Datalink statistics

-- Total of 1 flow:

Average throughput: 14.61 Mbit/s

95th percentile per-packet one-way delay: 15.726 ms

Loss rate: 0.65%

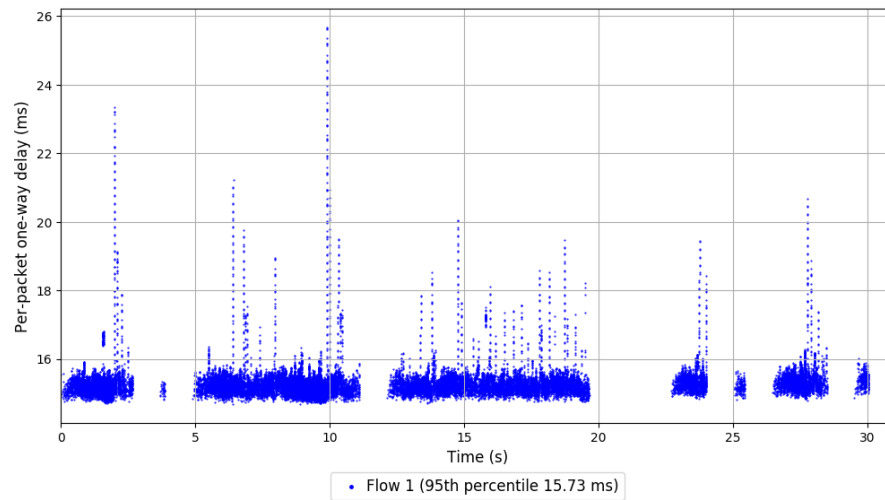
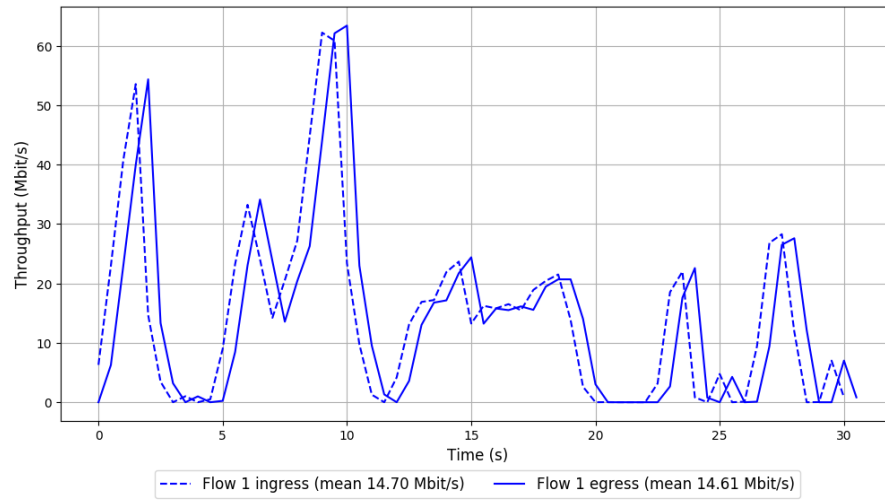
-- Flow 1:

Average throughput: 14.61 Mbit/s

95th percentile per-packet one-way delay: 15.726 ms

Loss rate: 0.65%

Run 5: Report of LEDBAT — Data Link

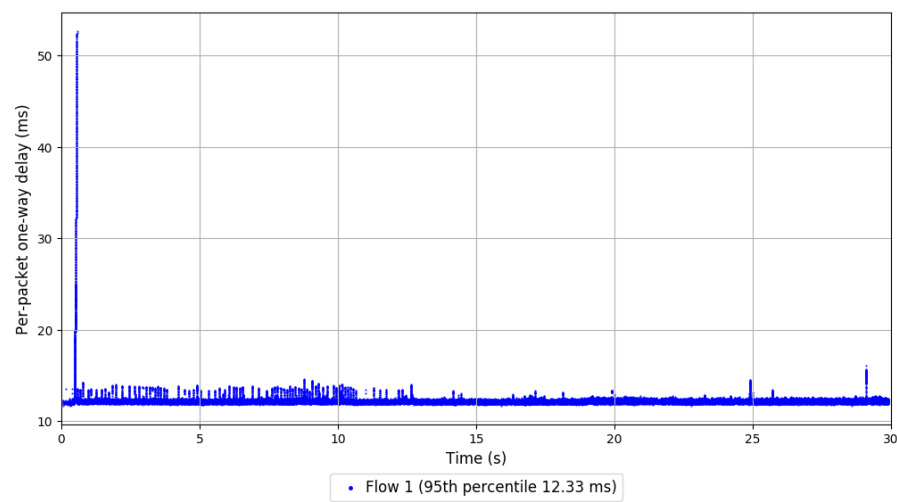
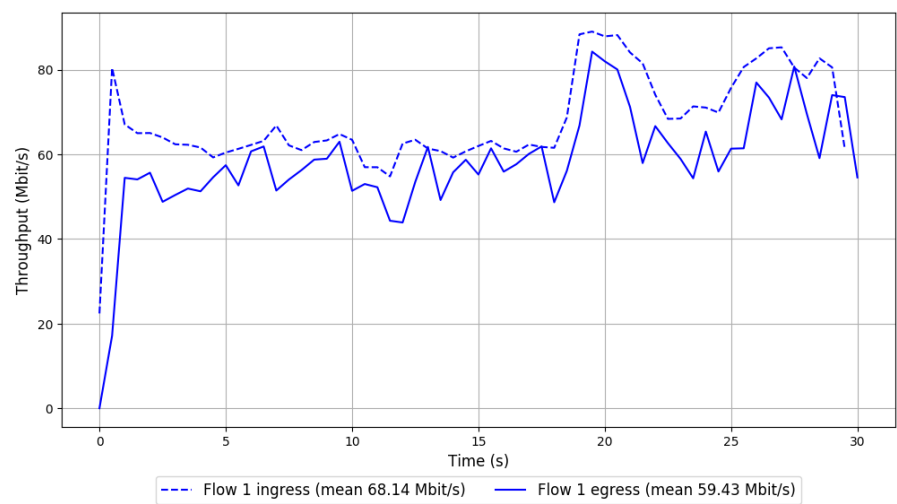


```
Run 1: Statistics of PCC-Allegro

Start at: 2019-03-08 21:33:18
End at: 2019-03-08 21:33:48
Local clock offset: -2.52 ms
Remote clock offset: 1.71 ms

# Below is generated by plot.py at 2019-03-08 23:23:06
# Datalink statistics
-- Total of 1 flow:
Average throughput: 59.43 Mbit/s
95th percentile per-packet one-way delay: 12.330 ms
Loss rate: 12.78%
-- Flow 1:
Average throughput: 59.43 Mbit/s
95th percentile per-packet one-way delay: 12.330 ms
Loss rate: 12.78%
```

Run 1: Report of PCC-Allegro — Data Link



Run 2: Statistics of PCC-Allegro

Start at: 2019-03-08 21:56:47

End at: 2019-03-08 21:57:17

Local clock offset: 0.994 ms

Remote clock offset: 0.726 ms

Below is generated by plot.py at 2019-03-08 23:23:11

Datalink statistics

-- Total of 1 flow:

Average throughput: 63.40 Mbit/s

95th percentile per-packet one-way delay: 13.120 ms

Loss rate: 15.34%

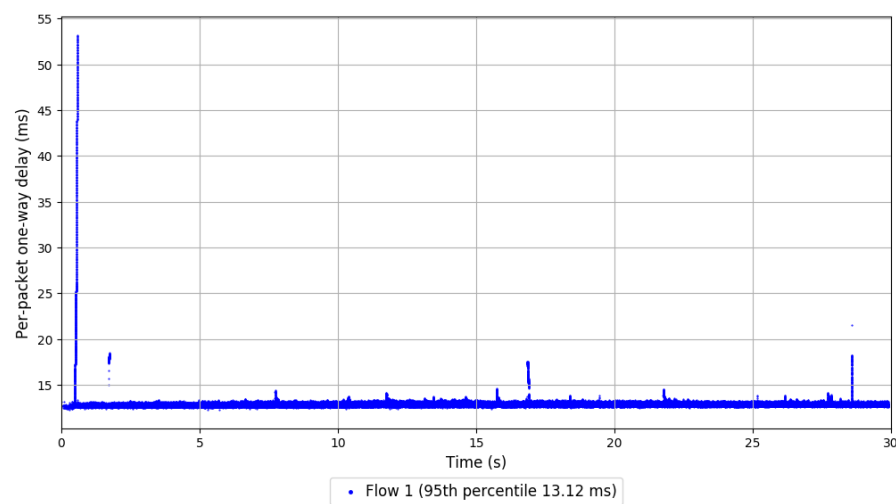
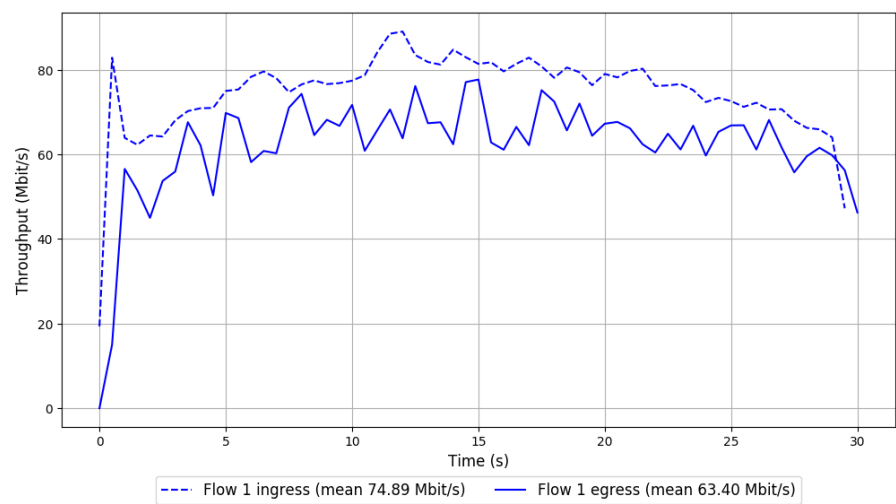
-- Flow 1:

Average throughput: 63.40 Mbit/s

95th percentile per-packet one-way delay: 13.120 ms

Loss rate: 15.34%

Run 2: Report of PCC-Allegro — Data Link



Run 3: Statistics of PCC-Allegro

Start at: 2019-03-08 22:20:41

End at: 2019-03-08 22:21:11

Local clock offset: -0.5 ms

Remote clock offset: 0.926 ms

Below is generated by plot.py at 2019-03-08 23:23:11

Datalink statistics

-- Total of 1 flow:

Average throughput: 50.38 Mbit/s

95th percentile per-packet one-way delay: 11.626 ms

Loss rate: 8.14%

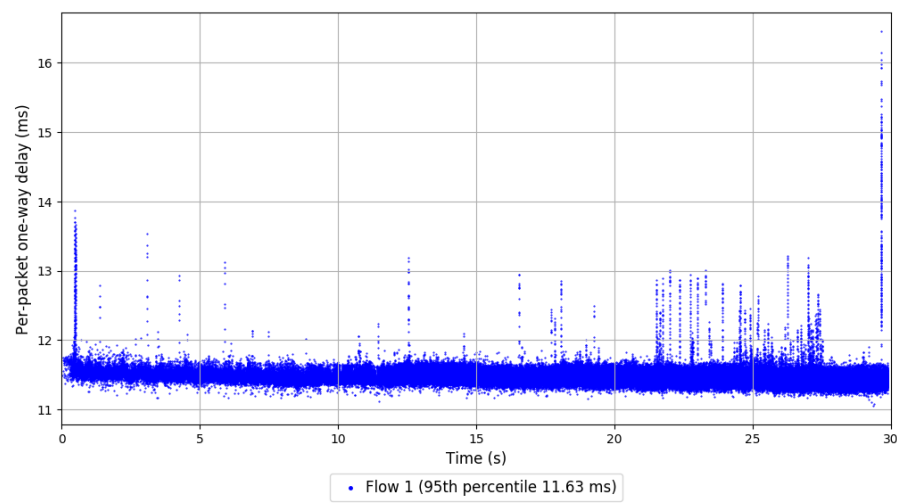
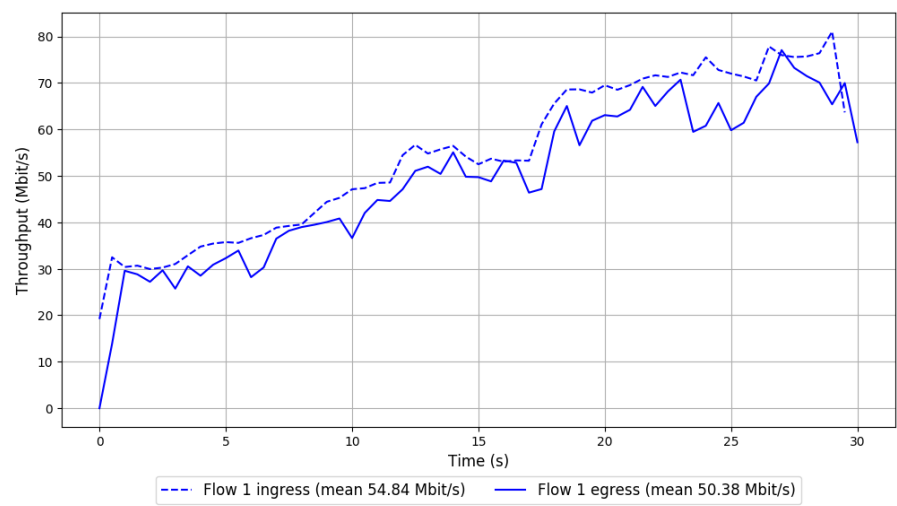
-- Flow 1:

Average throughput: 50.38 Mbit/s

95th percentile per-packet one-way delay: 11.626 ms

Loss rate: 8.14%

Run 3: Report of PCC-Allegro — Data Link



Run 4: Statistics of PCC-Allegro

Start at: 2019-03-08 22:44:20

End at: 2019-03-08 22:44:50

Local clock offset: -5.742 ms

Remote clock offset: 1.348 ms

Below is generated by plot.py at 2019-03-08 23:23:29

Datalink statistics

-- Total of 1 flow:

Average throughput: 80.86 Mbit/s

95th percentile per-packet one-way delay: 13.818 ms

Loss rate: 5.15%

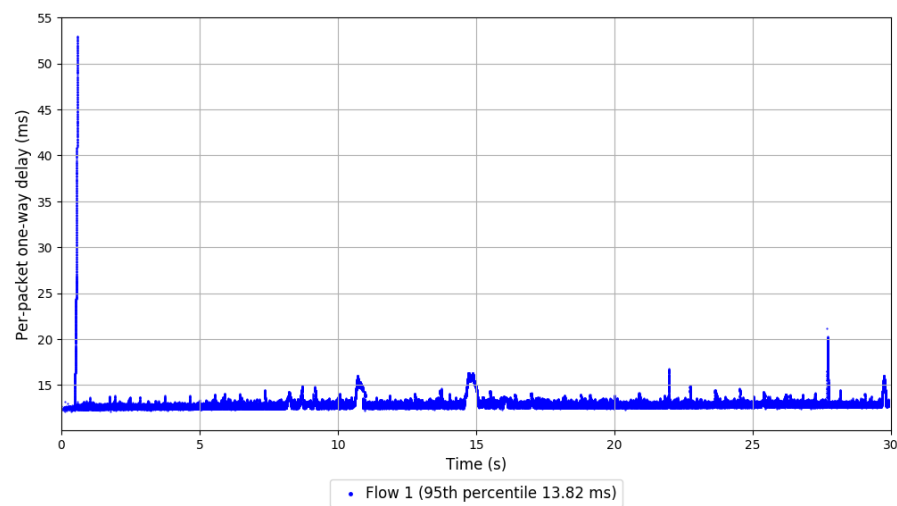
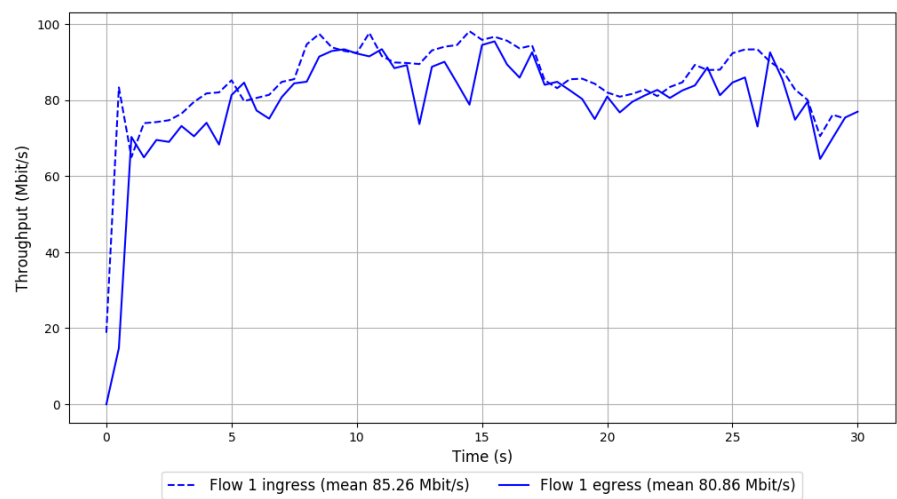
-- Flow 1:

Average throughput: 80.86 Mbit/s

95th percentile per-packet one-way delay: 13.818 ms

Loss rate: 5.15%

Run 4: Report of PCC-Allegro — Data Link



Run 5: Statistics of PCC-Allegro

Start at: 2019-03-08 23:08:02

End at: 2019-03-08 23:08:32

Local clock offset: -3.462 ms

Remote clock offset: 0.122 ms

Below is generated by plot.py at 2019-03-08 23:23:34

Datalink statistics

-- Total of 1 flow:

Average throughput: 84.10 Mbit/s

95th percentile per-packet one-way delay: 15.869 ms

Loss rate: 9.24%

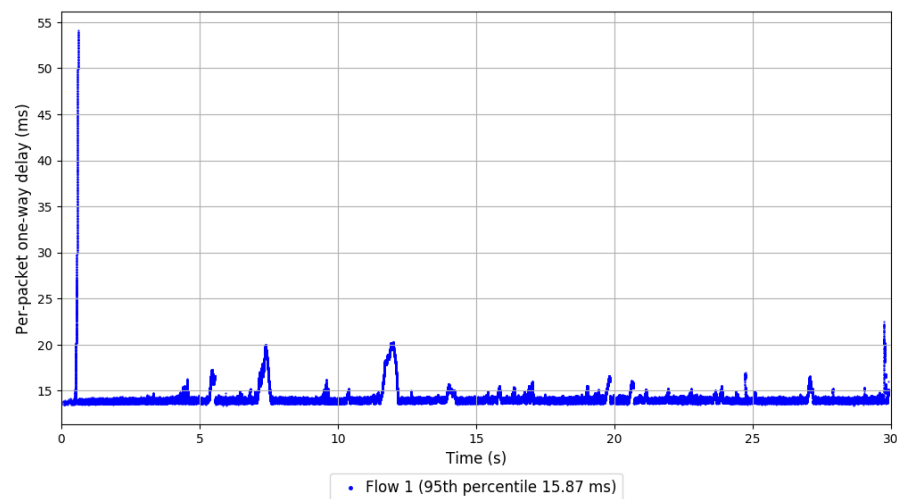
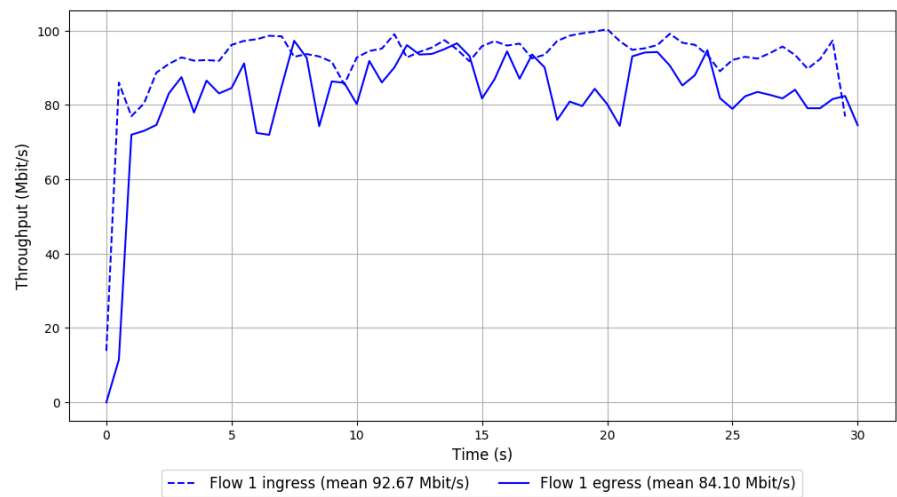
-- Flow 1:

Average throughput: 84.10 Mbit/s

95th percentile per-packet one-way delay: 15.869 ms

Loss rate: 9.24%

Run 5: Report of PCC-Allegro — Data Link



Run 1: Statistics of PCC-Expr

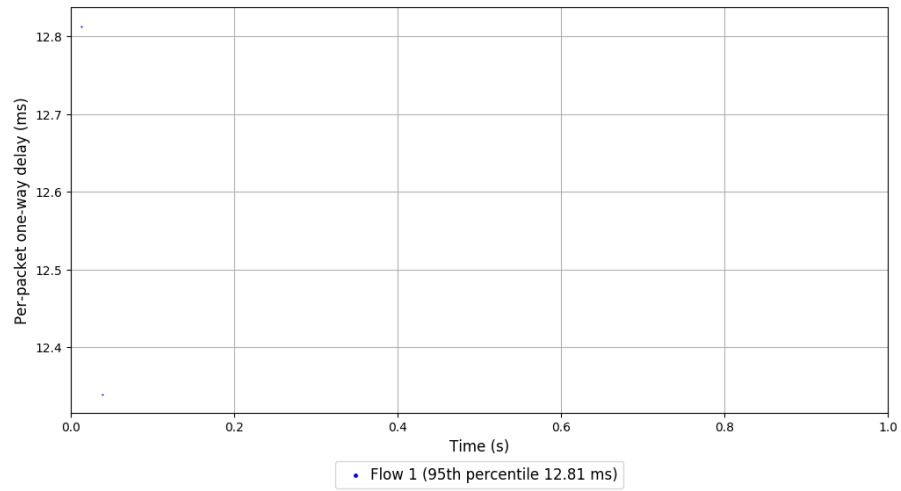
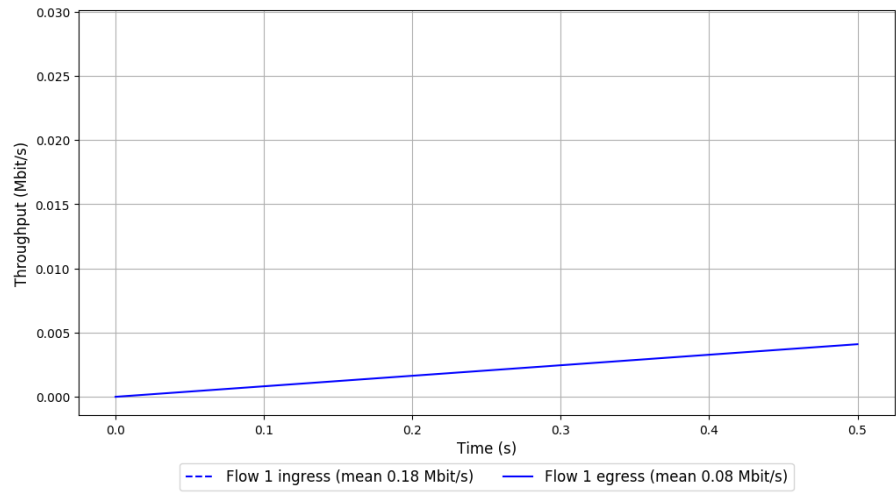
Start at: 2019-03-08 21:42:18

End at: 2019-03-08 21:42:48

Local clock offset: -3.807 ms

Remote clock offset: 1.577 ms

Run 1: Report of PCC-Expr — Data Link



Run 2: Statistics of PCC-Expr

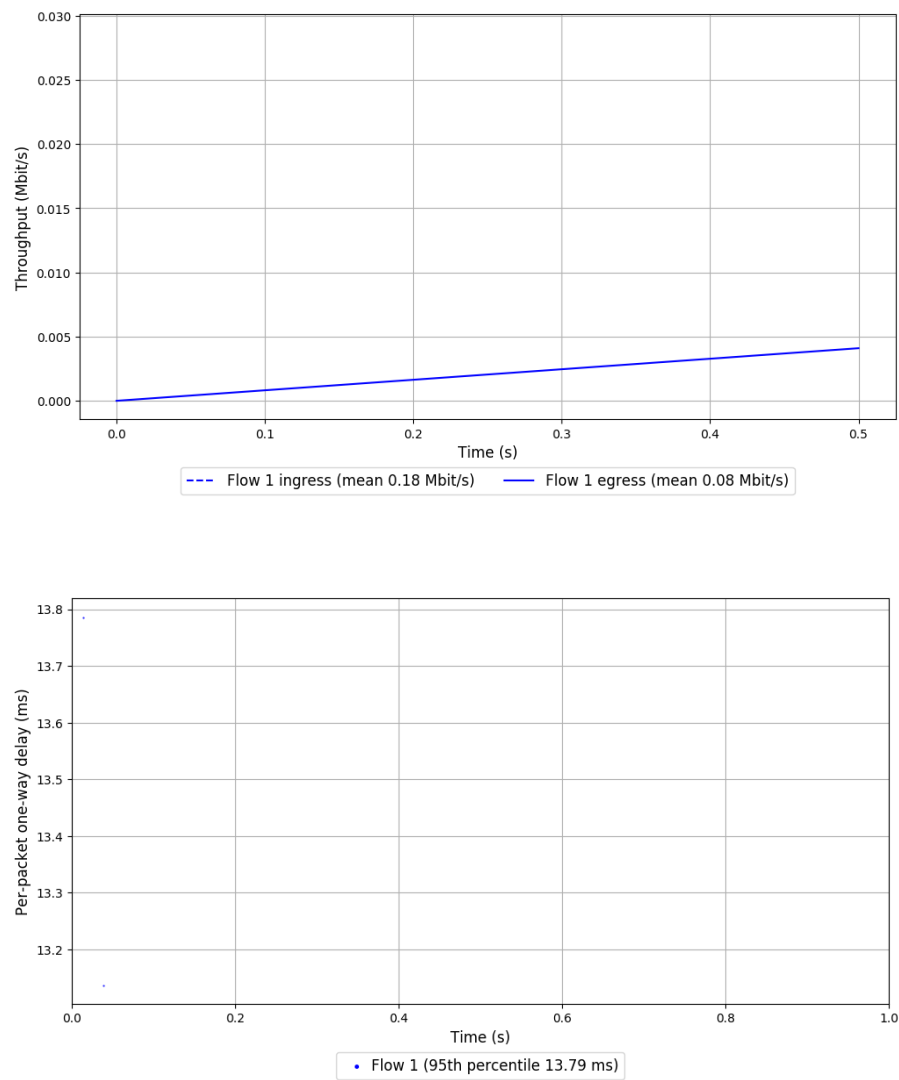
Start at: 2019-03-08 22:05:58

End at: 2019-03-08 22:06:28

Local clock offset: 1.662 ms

Remote clock offset: 0.697 ms

Run 2: Report of PCC-Expr — Data Link



Run 3: Statistics of PCC-Expr

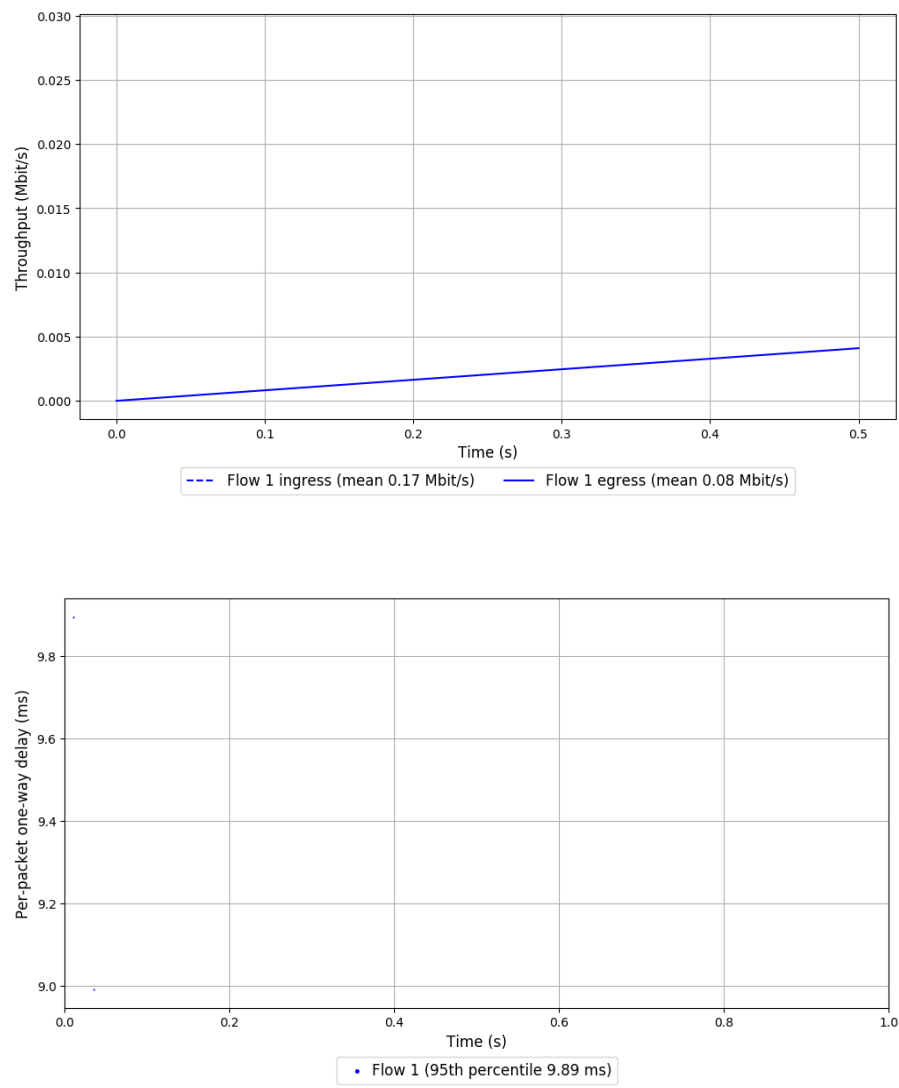
Start at: 2019-03-08 22:29:49

End at: 2019-03-08 22:30:19

Local clock offset: -3.773 ms

Remote clock offset: -1.91 ms

Run 3: Report of PCC-Expr — Data Link



Run 4: Statistics of PCC-Expr

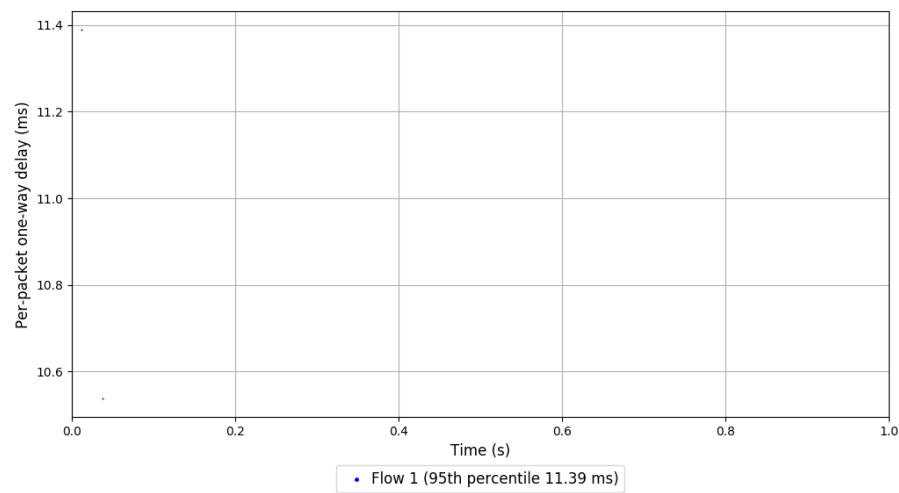
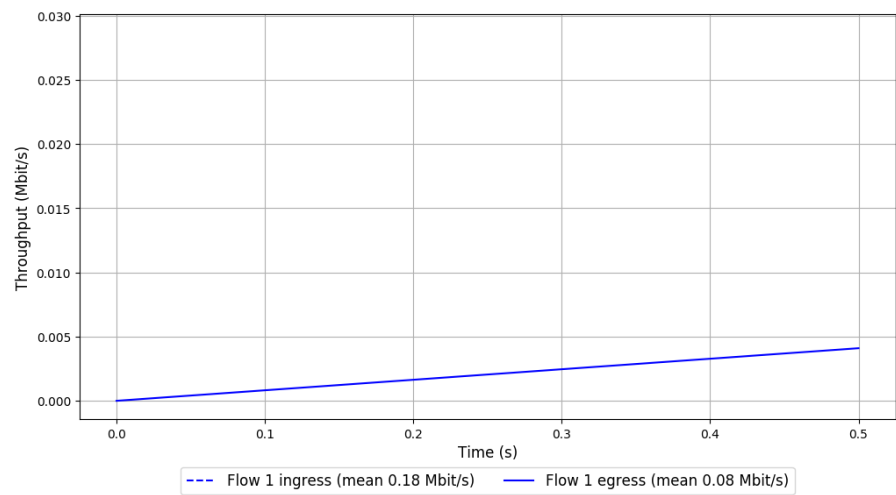
Start at: 2019-03-08 22:53:28

End at: 2019-03-08 22:53:59

Local clock offset: -1.582 ms

Remote clock offset: 0.642 ms

Run 4: Report of PCC-Expr — Data Link



Run 5: Statistics of PCC-Expr

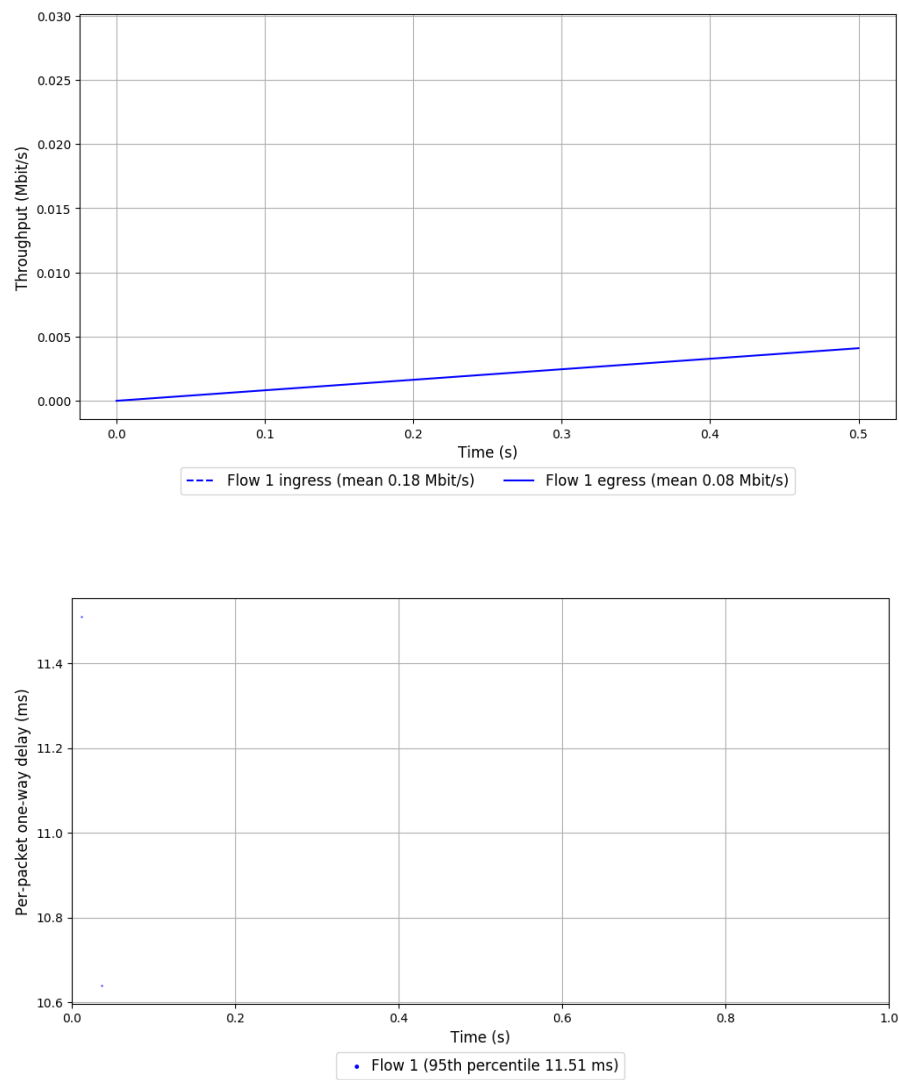
Start at: 2019-03-08 23:16:58

End at: 2019-03-08 23:17:28

Local clock offset: -2.212 ms

Remote clock offset: -1.527 ms

Run 5: Report of PCC-Expr — Data Link



Run 1: Statistics of QUIC Cubic

Start at: 2019-03-08 21:41:13

End at: 2019-03-08 21:41:43

Local clock offset: -3.535 ms

Remote clock offset: 0.87 ms

Below is generated by plot.py at 2019-03-08 23:23:34

Datalink statistics

-- Total of 1 flow:

Average throughput: 16.86 Mbit/s

95th percentile per-packet one-way delay: 11.779 ms

Loss rate: 0.90%

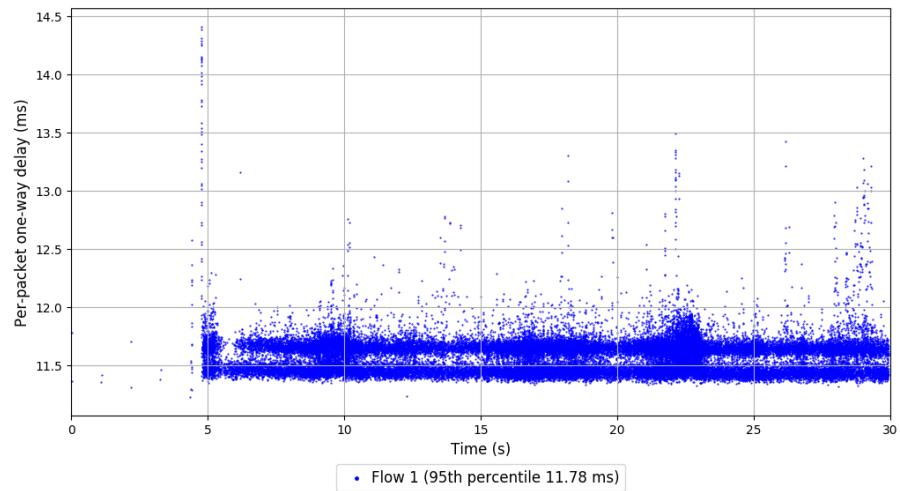
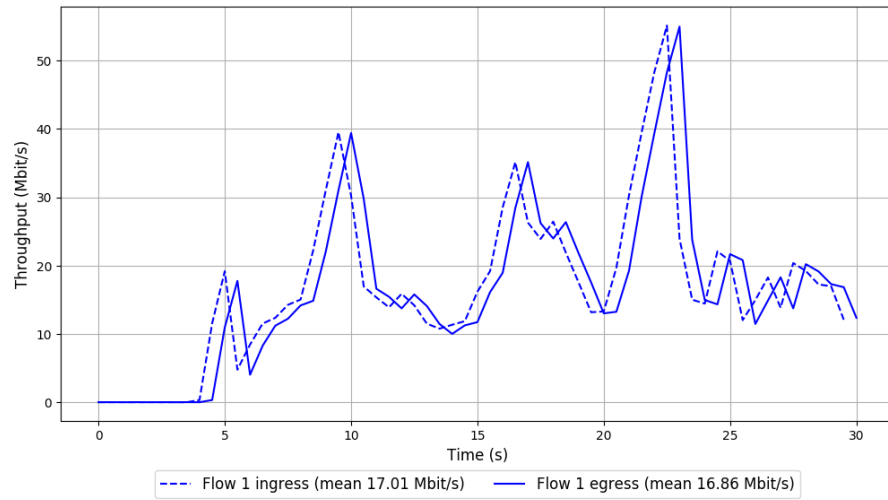
-- Flow 1:

Average throughput: 16.86 Mbit/s

95th percentile per-packet one-way delay: 11.779 ms

Loss rate: 0.90%

Run 1: Report of QUIC Cubic — Data Link



Run 2: Statistics of QUIC Cubic

Start at: 2019-03-08 22:04:52

End at: 2019-03-08 22:05:22

Local clock offset: 1.048 ms

Remote clock offset: 0.33 ms

Below is generated by plot.py at 2019-03-08 23:23:34

Datalink statistics

-- Total of 1 flow:

Average throughput: 12.37 Mbit/s

95th percentile per-packet one-way delay: 13.605 ms

Loss rate: 2.81%

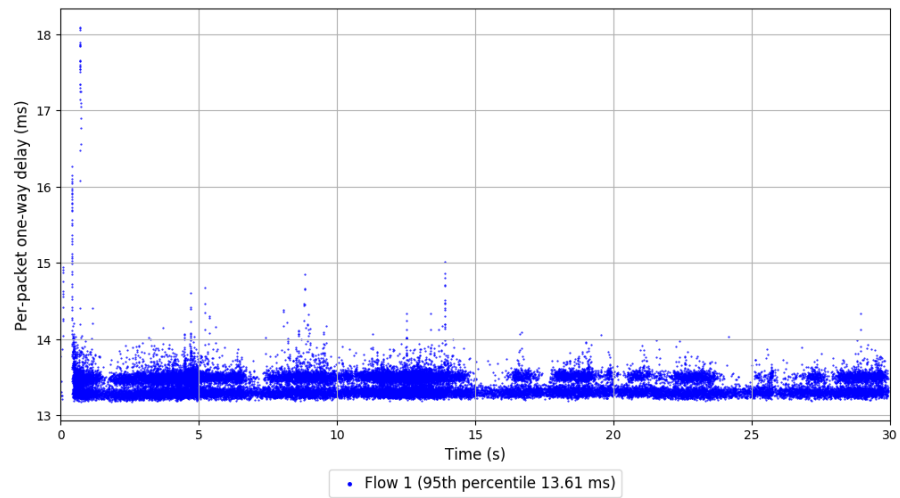
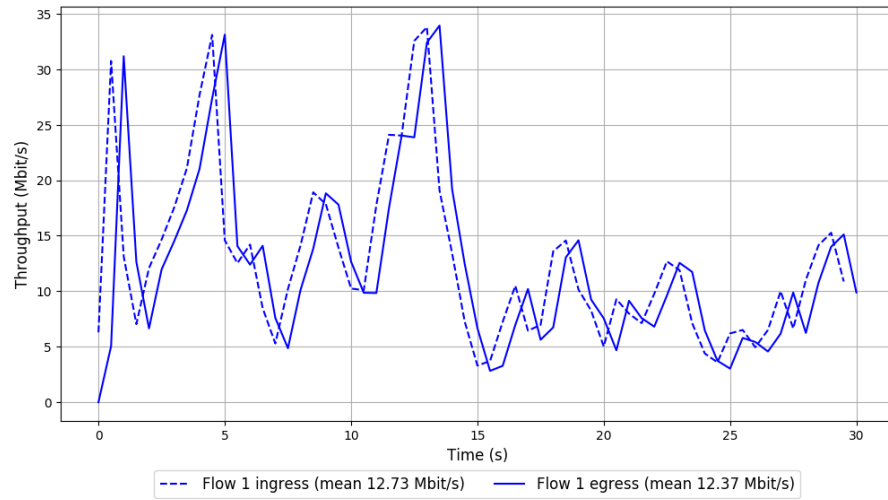
-- Flow 1:

Average throughput: 12.37 Mbit/s

95th percentile per-packet one-way delay: 13.605 ms

Loss rate: 2.81%

Run 2: Report of QUIC Cubic — Data Link



Run 3: Statistics of QUIC Cubic

Start at: 2019-03-08 22:28:42

End at: 2019-03-08 22:29:12

Local clock offset: -4.288 ms

Remote clock offset: -1.211 ms

Below is generated by plot.py at 2019-03-08 23:23:34

Datalink statistics

-- Total of 1 flow:

Average throughput: 31.42 Mbit/s

95th percentile per-packet one-way delay: 10.908 ms

Loss rate: 1.22%

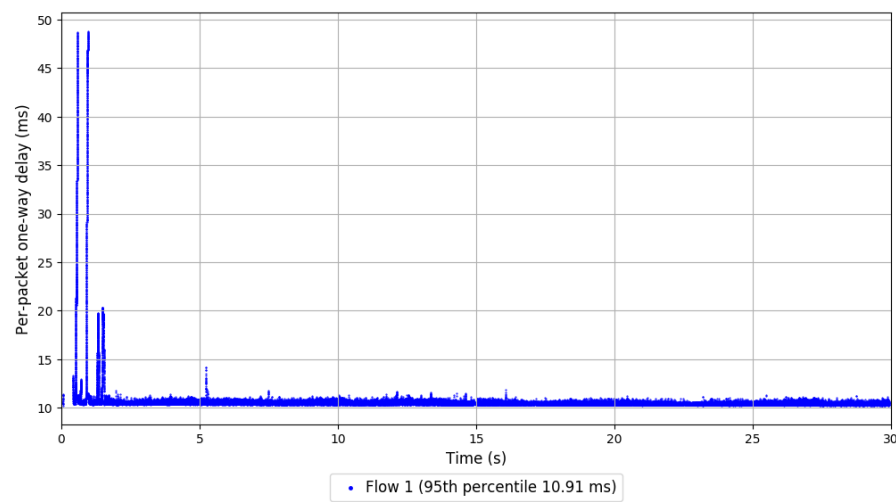
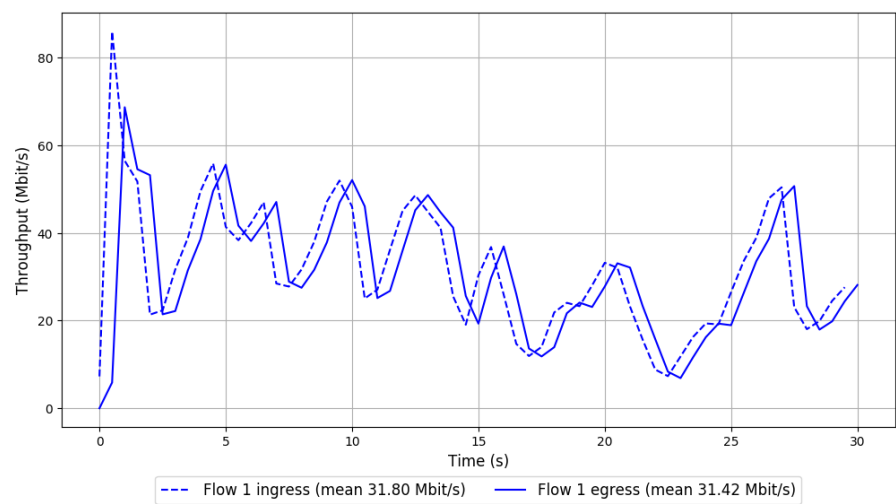
-- Flow 1:

Average throughput: 31.42 Mbit/s

95th percentile per-packet one-way delay: 10.908 ms

Loss rate: 1.22%

Run 3: Report of QUIC Cubic — Data Link



Run 4: Statistics of QUIC Cubic

Start at: 2019-03-08 22:52:19

End at: 2019-03-08 22:52:49

Local clock offset: -4.936 ms

Remote clock offset: 0.728 ms

Below is generated by plot.py at 2019-03-08 23:23:39

Datalink statistics

-- Total of 1 flow:

Average throughput: 58.27 Mbit/s

95th percentile per-packet one-way delay: 43.434 ms

Loss rate: 0.52%

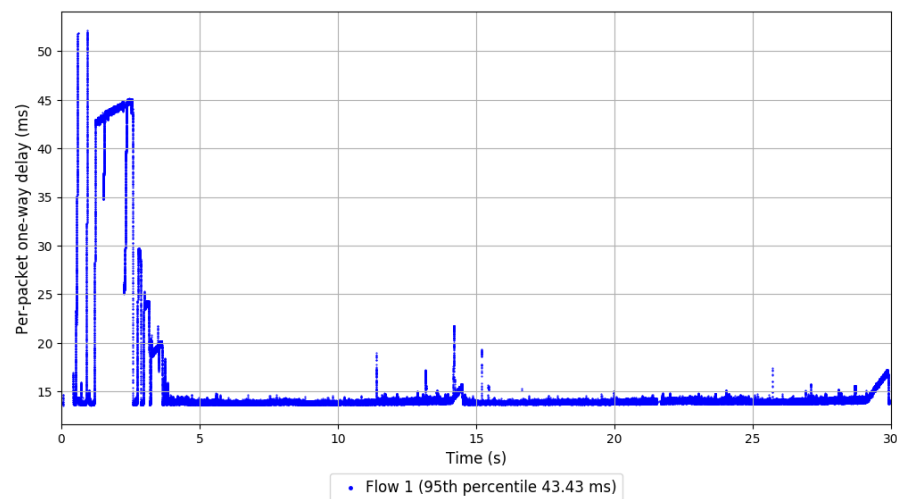
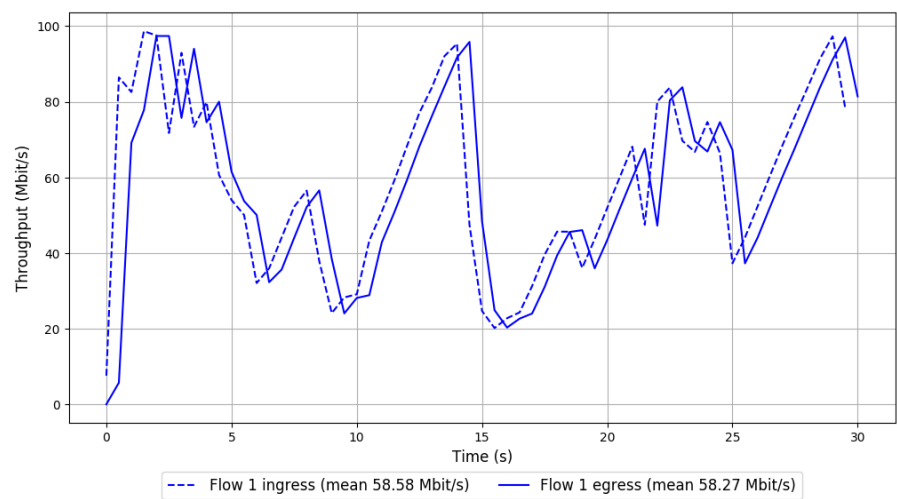
-- Flow 1:

Average throughput: 58.27 Mbit/s

95th percentile per-packet one-way delay: 43.434 ms

Loss rate: 0.52%

Run 4: Report of QUIC Cubic — Data Link



Run 5: Statistics of QUIC Cubic

Start at: 2019-03-08 23:15:51

End at: 2019-03-08 23:16:21

Local clock offset: -3.899 ms

Remote clock offset: 0.148 ms

Below is generated by plot.py at 2019-03-08 23:23:39

Datalink statistics

-- Total of 1 flow:

Average throughput: 15.82 Mbit/s

95th percentile per-packet one-way delay: 26.330 ms

Loss rate: 3.98%

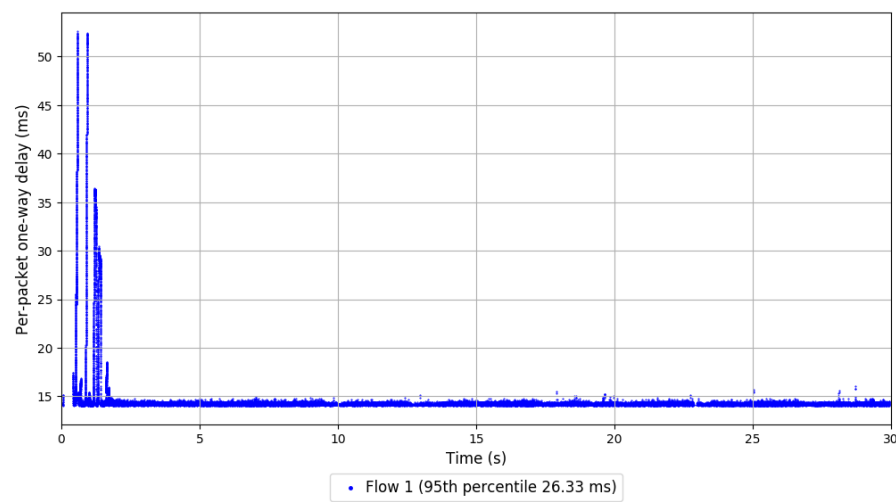
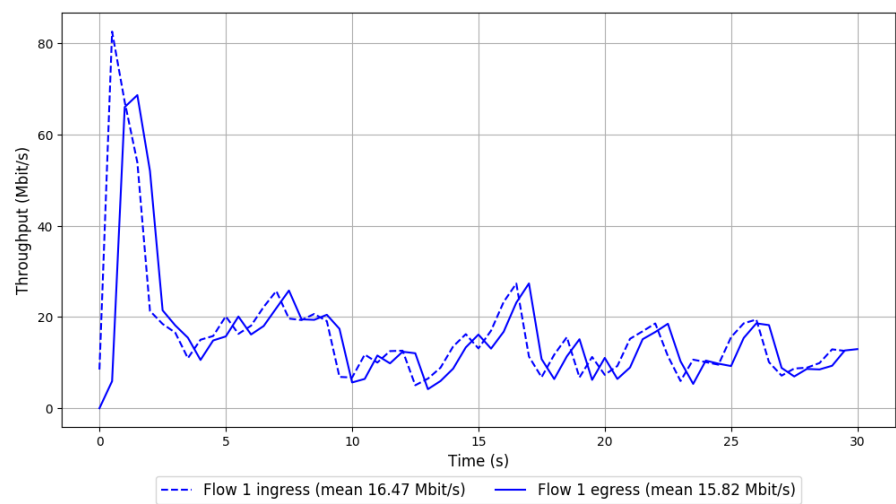
-- Flow 1:

Average throughput: 15.82 Mbit/s

95th percentile per-packet one-way delay: 26.330 ms

Loss rate: 3.98%

Run 5: Report of QUIC Cubic — Data Link



Run 1: Statistics of SCReAM

Start at: 2019-03-08 21:32:13

End at: 2019-03-08 21:32:43

Local clock offset: -4.147 ms

Remote clock offset: 0.791 ms

Below is generated by plot.py at 2019-03-08 23:23:39

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.08 Mbit/s

95th percentile per-packet one-way delay: 12.778 ms

Loss rate: 7.50%

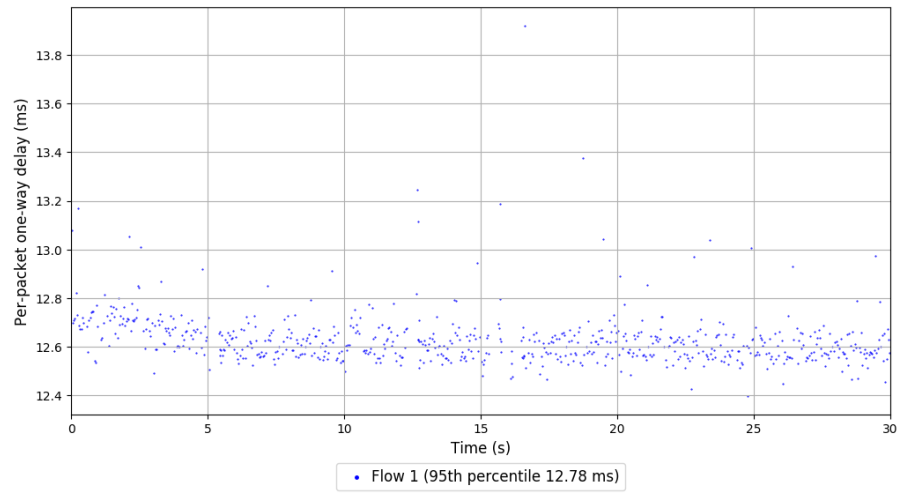
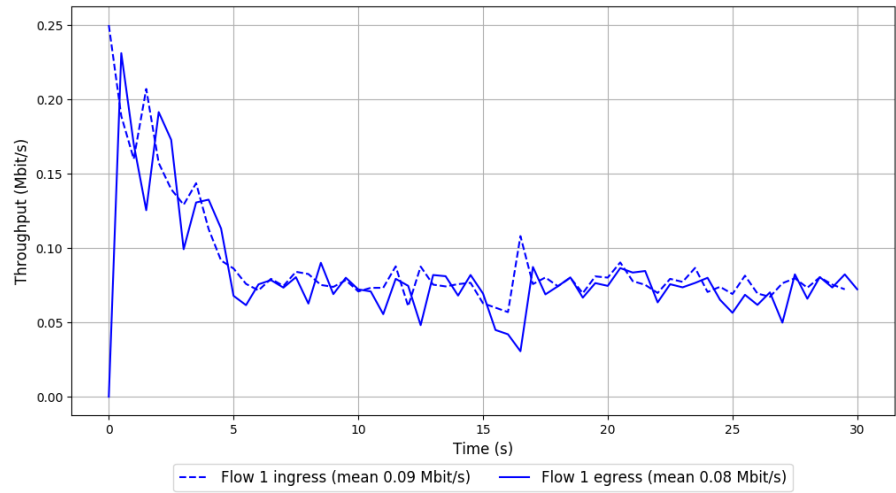
-- Flow 1:

Average throughput: 0.08 Mbit/s

95th percentile per-packet one-way delay: 12.778 ms

Loss rate: 7.50%

Run 1: Report of SReAM — Data Link



Run 2: Statistics of SCReAM

Start at: 2019-03-08 21:55:41

End at: 2019-03-08 21:56:11

Local clock offset: -0.595 ms

Remote clock offset: 0.539 ms

Below is generated by plot.py at 2019-03-08 23:23:39

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.10 Mbit/s

95th percentile per-packet one-way delay: 13.961 ms

Loss rate: 2.19%

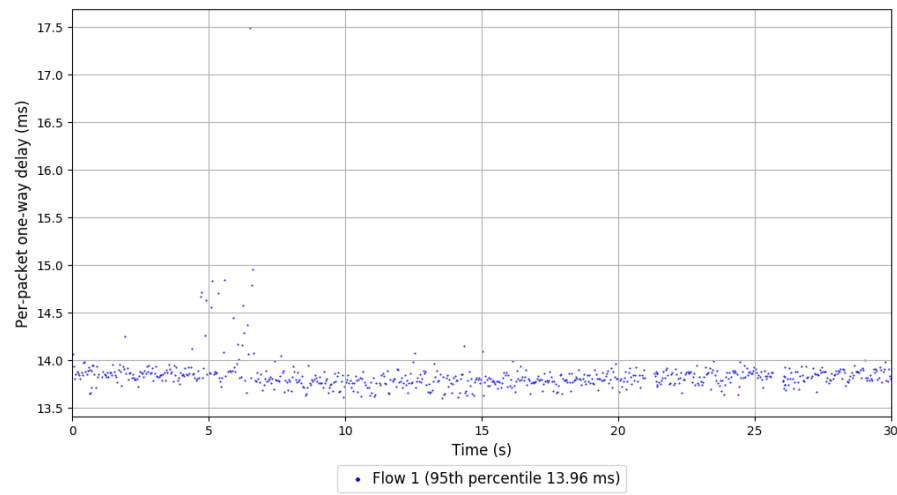
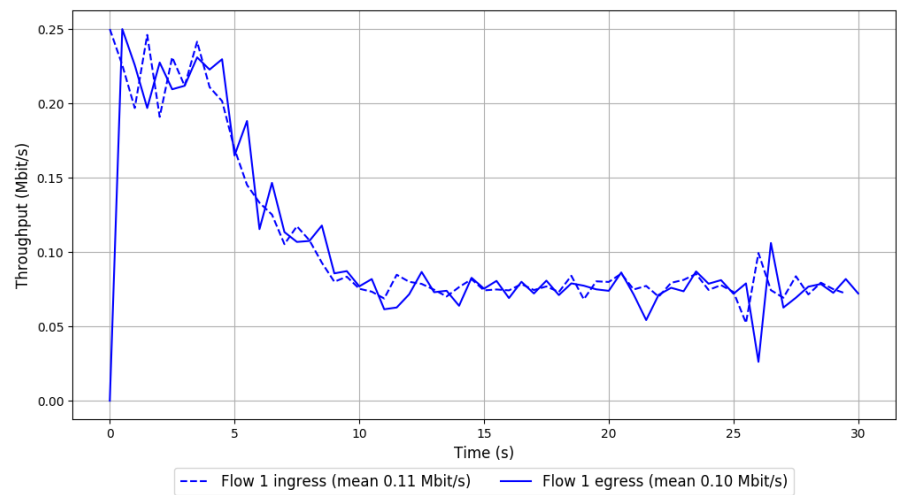
-- Flow 1:

Average throughput: 0.10 Mbit/s

95th percentile per-packet one-way delay: 13.961 ms

Loss rate: 2.19%

Run 2: Report of SReAM — Data Link



Run 3: Statistics of SCReAM

Start at: 2019-03-08 22:19:37

End at: 2019-03-08 22:20:07

Local clock offset: -0.681 ms

Remote clock offset: 0.778 ms

Below is generated by plot.py at 2019-03-08 23:23:39

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.13 Mbit/s

95th percentile per-packet one-way delay: 12.124 ms

Loss rate: 0.86%

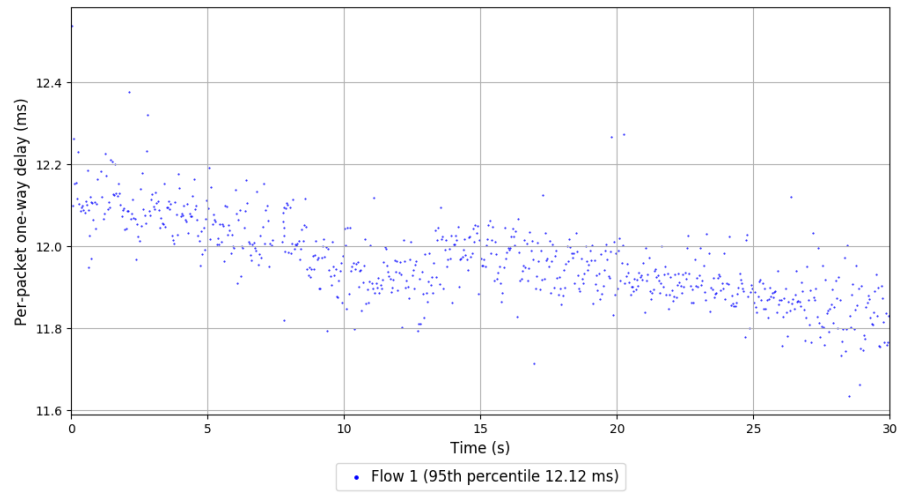
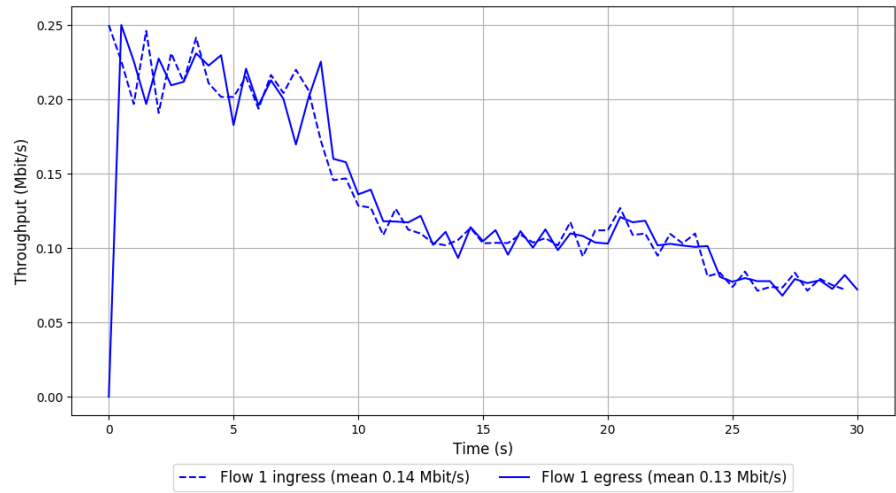
-- Flow 1:

Average throughput: 0.13 Mbit/s

95th percentile per-packet one-way delay: 12.124 ms

Loss rate: 0.86%

Run 3: Report of SReAM — Data Link



Run 4: Statistics of SCReAM

Start at: 2019-03-08 22:43:15

End at: 2019-03-08 22:43:45

Local clock offset: -6.244 ms

Remote clock offset: 1.053 ms

Below is generated by plot.py at 2019-03-08 23:23:39

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 12.639 ms

Loss rate: 0.00%

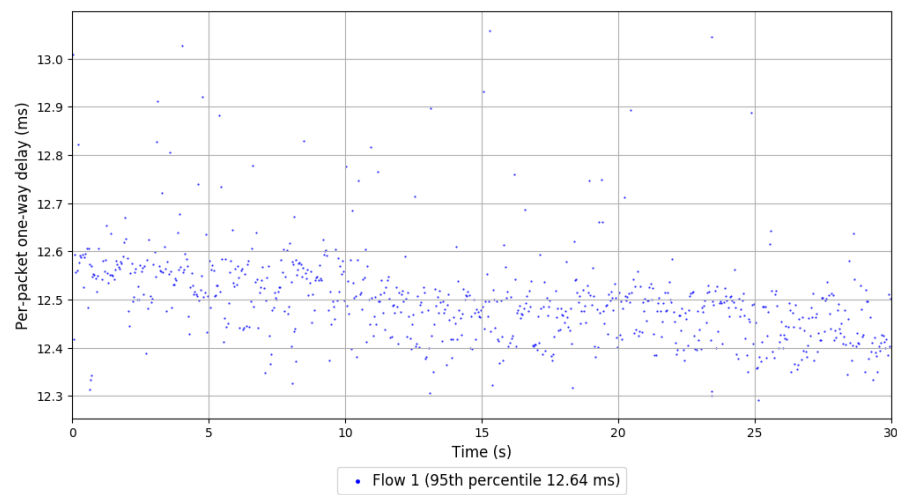
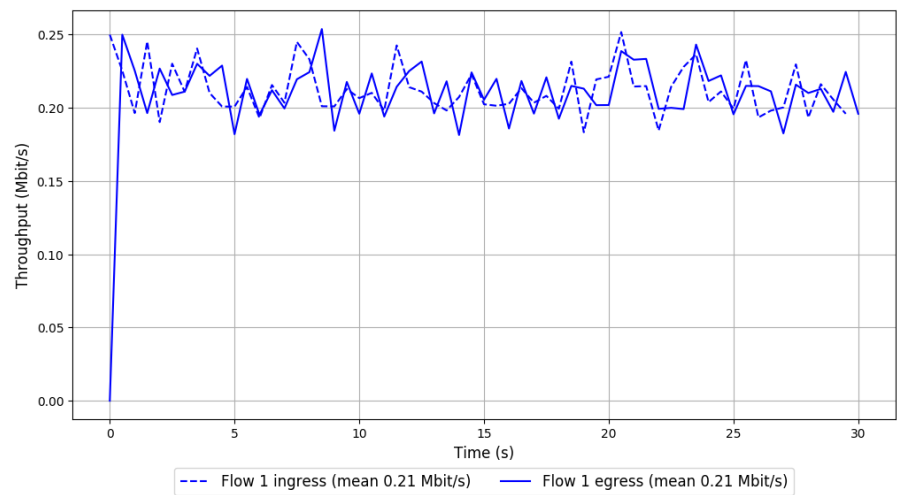
-- Flow 1:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 12.639 ms

Loss rate: 0.00%

Run 4: Report of SReAM — Data Link



Run 5: Statistics of SCReAM

Start at: 2019-03-08 23:06:57

End at: 2019-03-08 23:07:27

Local clock offset: -2.292 ms

Remote clock offset: 0.015 ms

Below is generated by plot.py at 2019-03-08 23:23:39

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.08 Mbit/s

95th percentile per-packet one-way delay: 12.452 ms

Loss rate: 0.76%

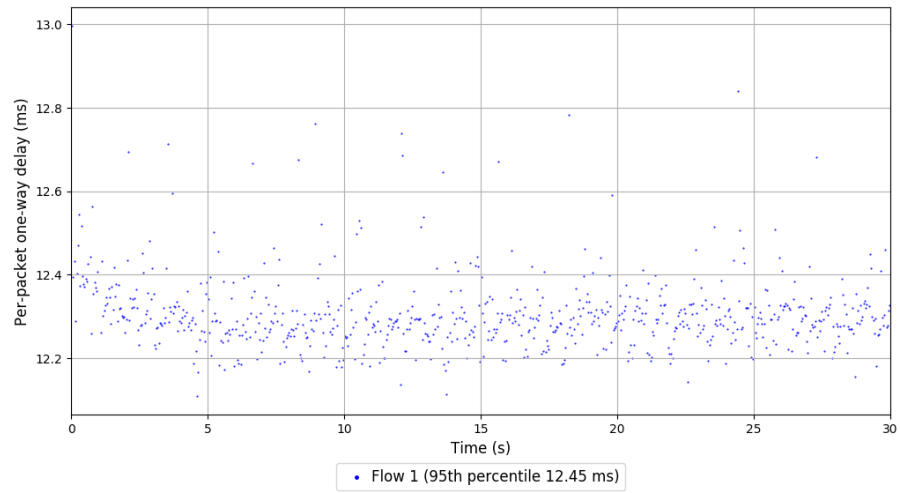
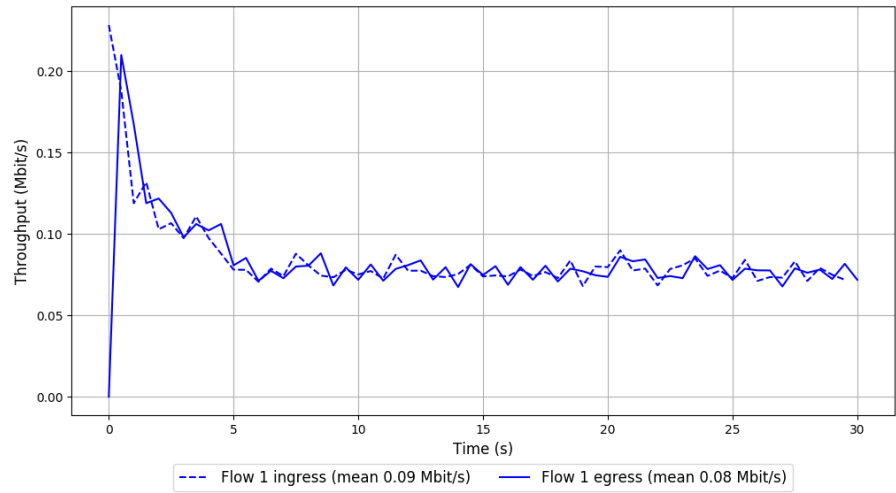
-- Flow 1:

Average throughput: 0.08 Mbit/s

95th percentile per-packet one-way delay: 12.452 ms

Loss rate: 0.76%

Run 5: Report of SReAM — Data Link



Run 1: Statistics of Sprout

Start at: 2019-03-08 21:23:14

End at: 2019-03-08 21:23:44

Local clock offset: -4.529 ms

Remote clock offset: 1.018 ms

Below is generated by plot.py at 2019-03-08 23:23:39

Datalink statistics

-- Total of 1 flow:

Average throughput: 22.56 Mbit/s

95th percentile per-packet one-way delay: 20.014 ms

Loss rate: 3.38%

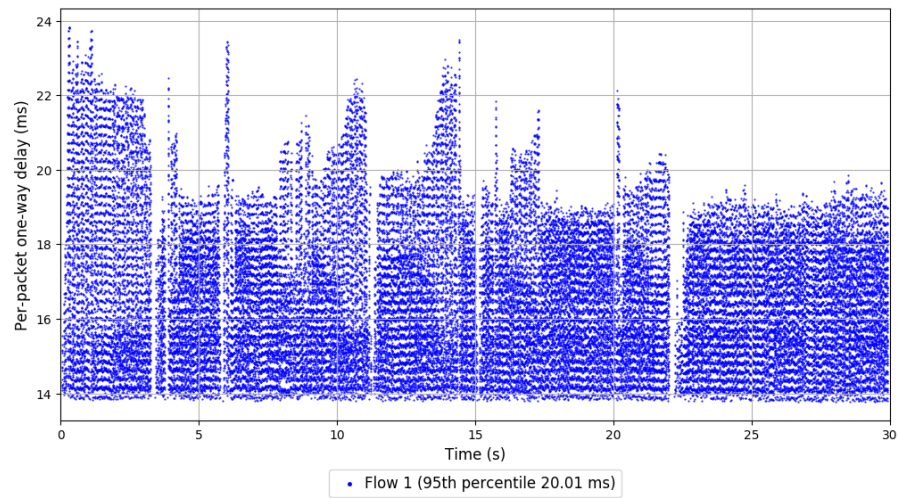
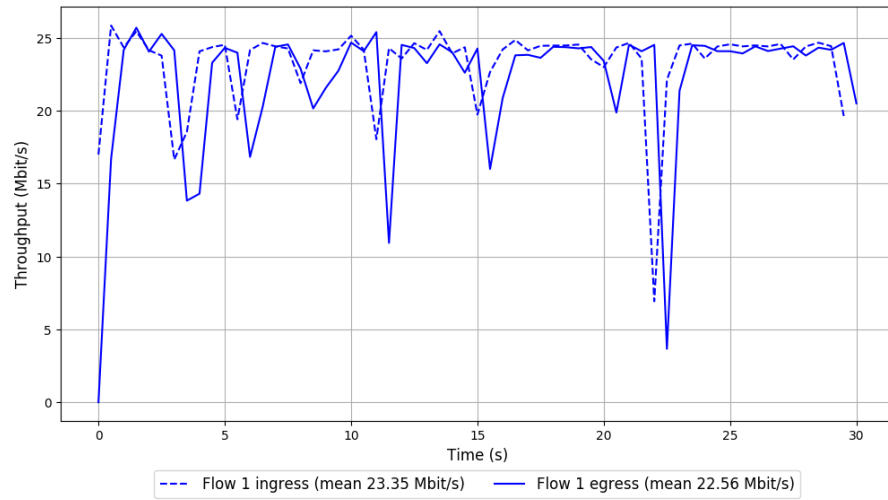
-- Flow 1:

Average throughput: 22.56 Mbit/s

95th percentile per-packet one-way delay: 20.014 ms

Loss rate: 3.38%

Run 1: Report of Sprout — Data Link

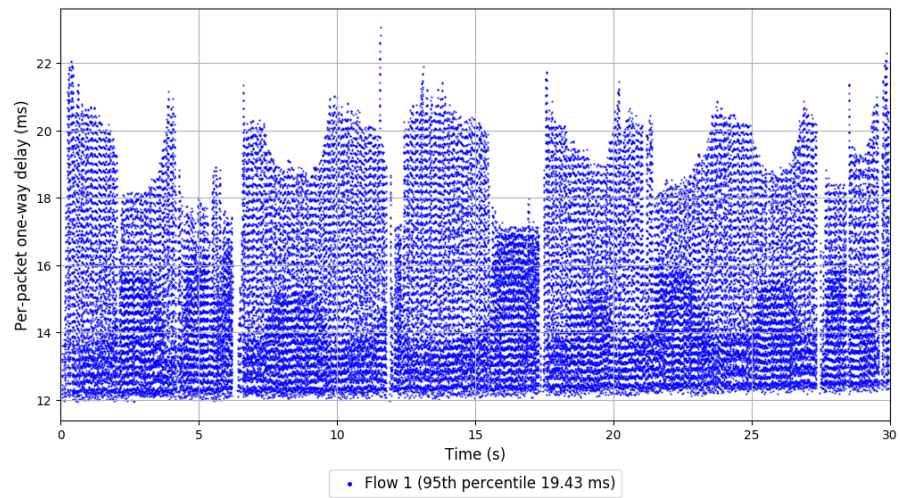
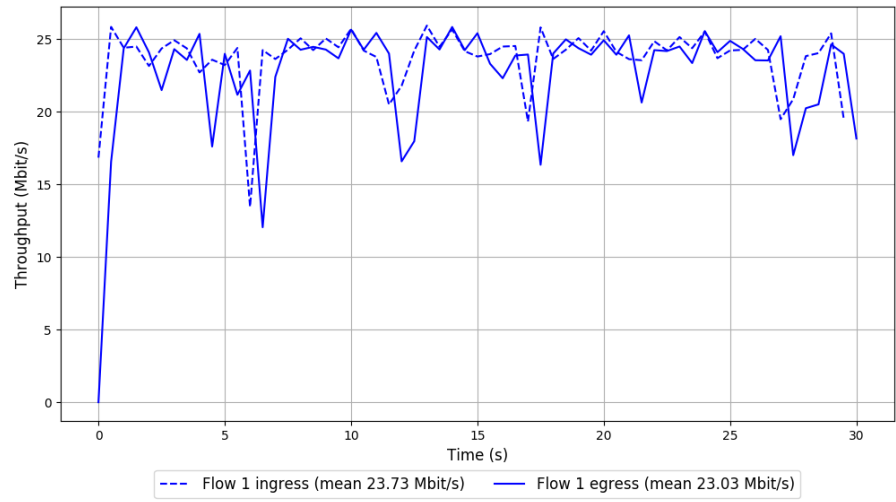


Run 2: Statistics of Sprout

Start at: 2019-03-08 21:46:48
End at: 2019-03-08 21:47:18
Local clock offset: -2.63 ms
Remote clock offset: 0.313 ms

Below is generated by plot.py at 2019-03-08 23:23:39
Datalink statistics
-- Total of 1 flow:
Average throughput: 23.03 Mbit/s
95th percentile per-packet one-way delay: 19.425 ms
Loss rate: 2.94%
-- Flow 1:
Average throughput: 23.03 Mbit/s
95th percentile per-packet one-way delay: 19.425 ms
Loss rate: 2.94%

Run 2: Report of Sprout — Data Link

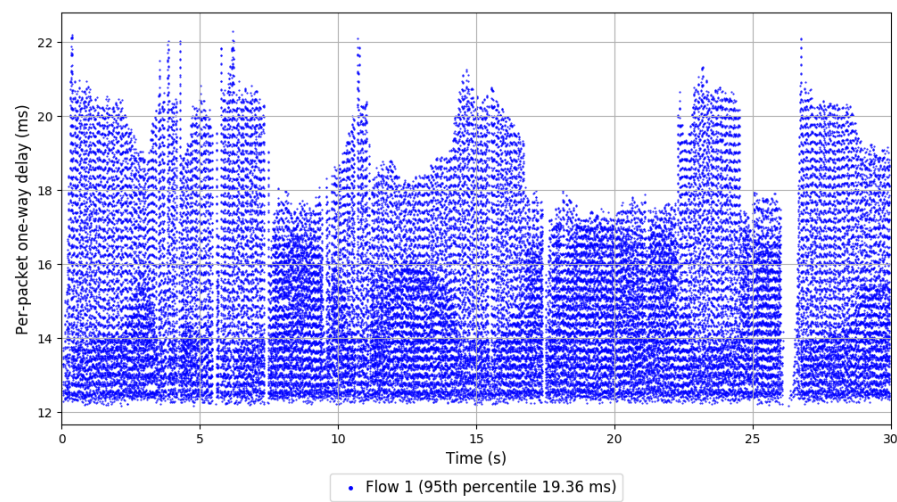
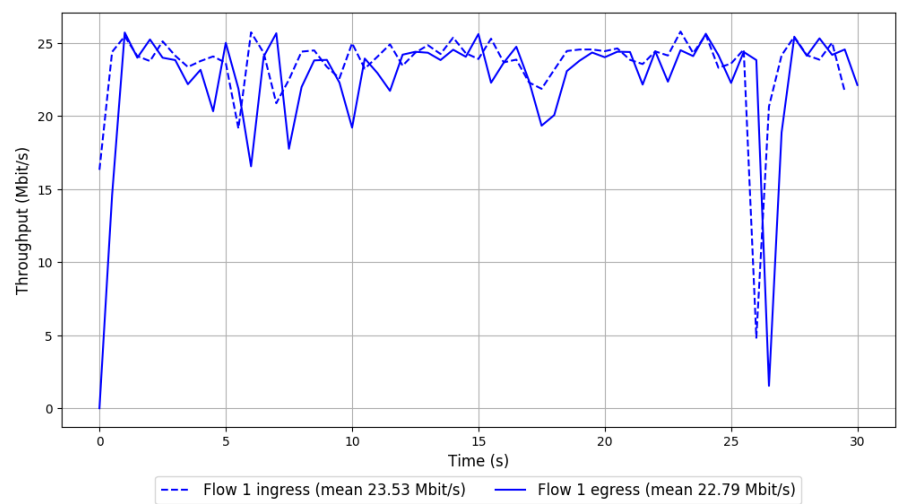


Run 3: Statistics of Sprout

Start at: 2019-03-08 22:10:30
End at: 2019-03-08 22:11:00
Local clock offset: 2.339 ms
Remote clock offset: 0.15 ms

Below is generated by plot.py at 2019-03-08 23:23:39
Datalink statistics
-- Total of 1 flow:
Average throughput: 22.79 Mbit/s
95th percentile per-packet one-way delay: 19.362 ms
Loss rate: 3.10%
-- Flow 1:
Average throughput: 22.79 Mbit/s
95th percentile per-packet one-way delay: 19.362 ms
Loss rate: 3.10%

Run 3: Report of Sprout — Data Link

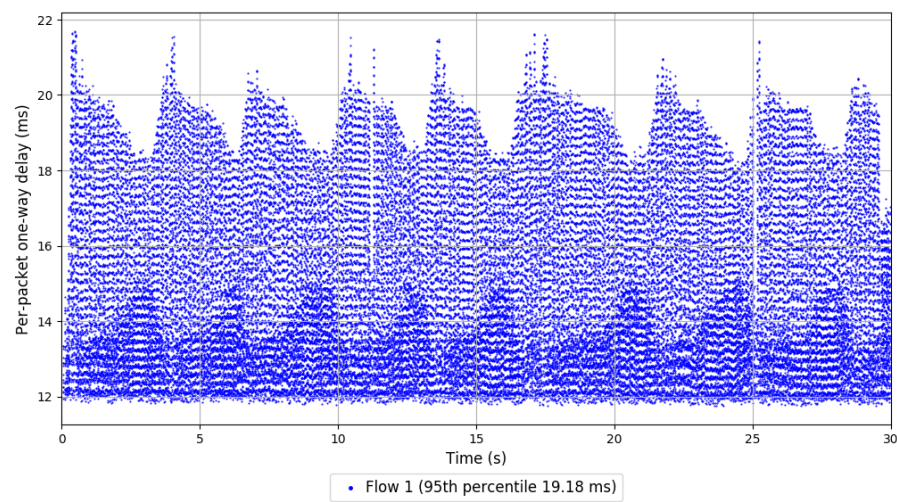
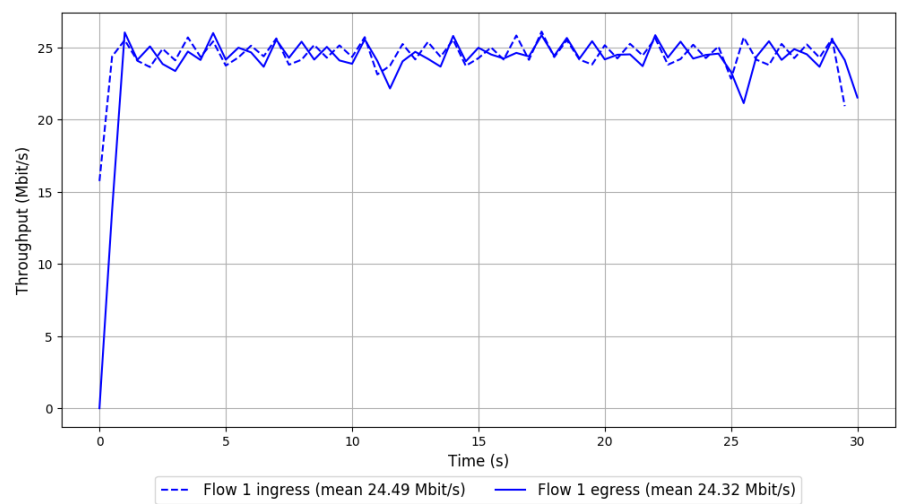


Run 4: Statistics of Sprout

Start at: 2019-03-08 22:34:17
End at: 2019-03-08 22:34:47
Local clock offset: -5.704 ms
Remote clock offset: -0.164 ms

Below is generated by plot.py at 2019-03-08 23:23:39
Datalink statistics
-- Total of 1 flow:
Average throughput: 24.32 Mbit/s
95th percentile per-packet one-way delay: 19.184 ms
Loss rate: 0.66%
-- Flow 1:
Average throughput: 24.32 Mbit/s
95th percentile per-packet one-way delay: 19.184 ms
Loss rate: 0.66%

Run 4: Report of Sprout — Data Link



Run 5: Statistics of Sprout

Start at: 2019-03-08 22:58:01

End at: 2019-03-08 22:58:31

Local clock offset: -3.761 ms

Remote clock offset: 0.879 ms

Below is generated by plot.py at 2019-03-08 23:23:39

Datalink statistics

-- Total of 1 flow:

Average throughput: 24.11 Mbit/s

95th percentile per-packet one-way delay: 21.110 ms

Loss rate: 0.77%

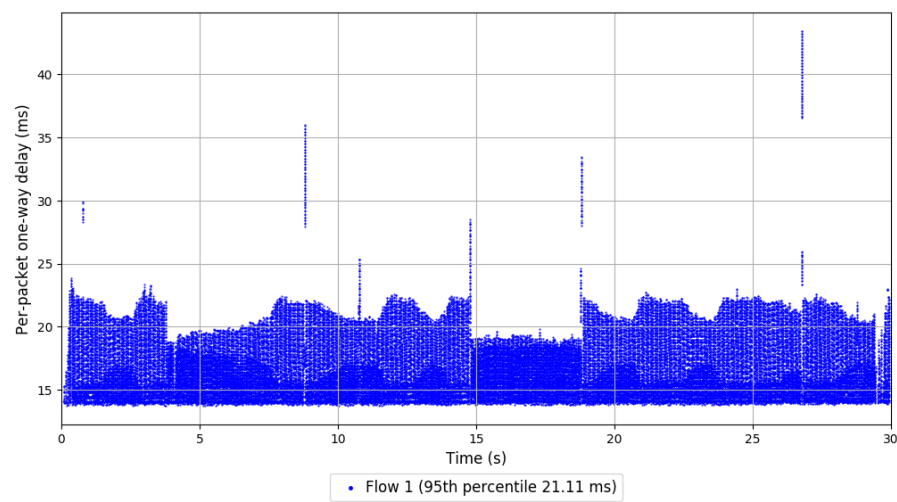
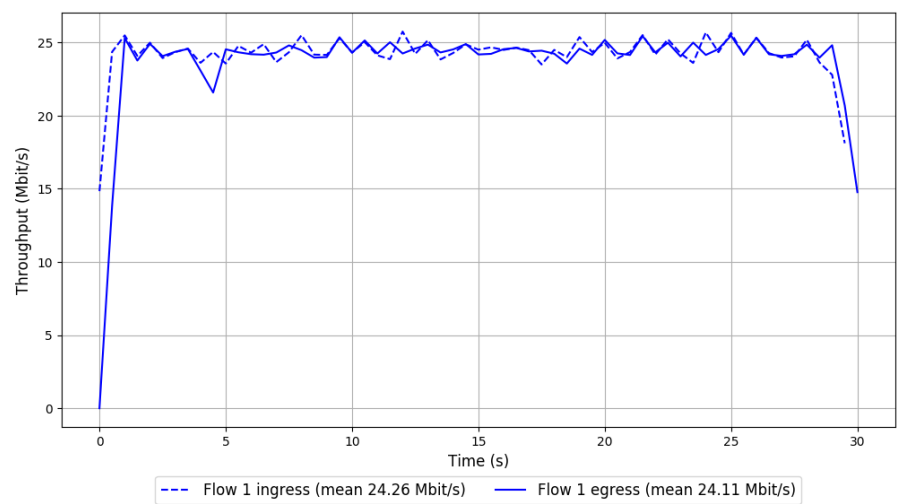
-- Flow 1:

Average throughput: 24.11 Mbit/s

95th percentile per-packet one-way delay: 21.110 ms

Loss rate: 0.77%

Run 5: Report of Sprout — Data Link

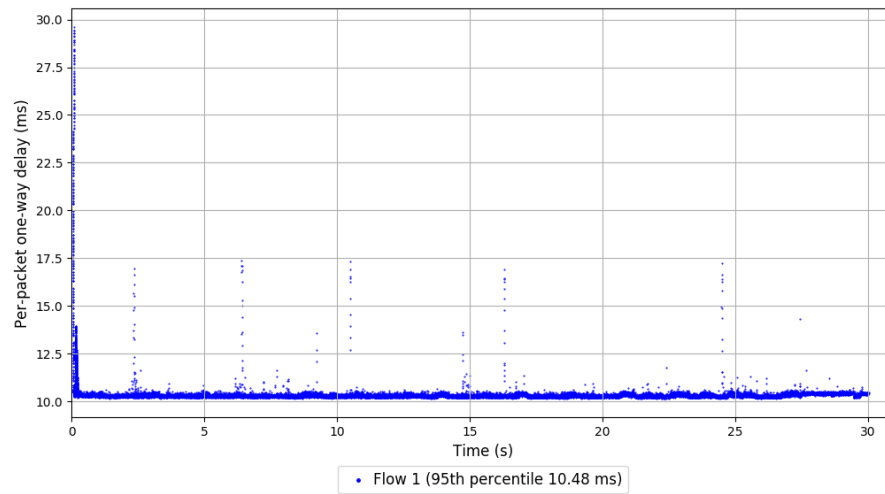
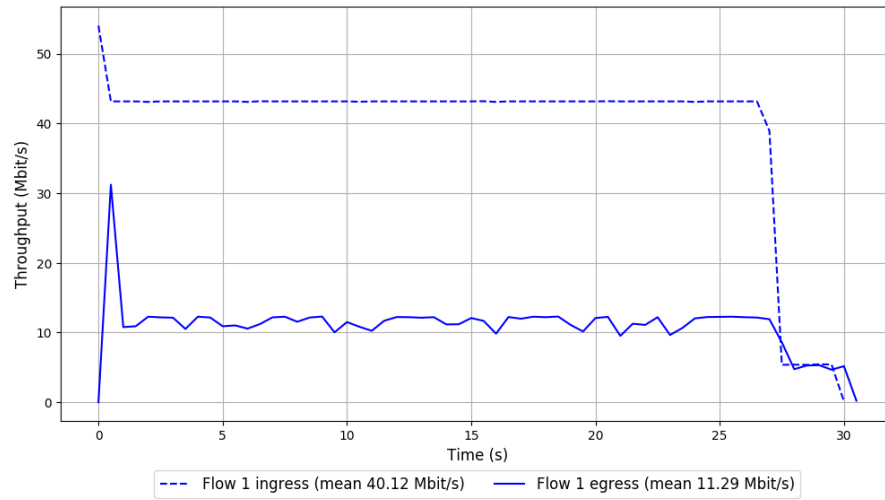



```
Run 1: Statistics of TaoVA-100x

Start at: 2019-03-08 21:29:59
End at: 2019-03-08 21:30:29
Local clock offset: -2.085 ms
Remote clock offset: 0.279 ms

# Below is generated by plot.py at 2019-03-08 23:23:41
# Datalink statistics
-- Total of 1 flow:
Average throughput: 11.29 Mbit/s
95th percentile per-packet one-way delay: 10.479 ms
Loss rate: 71.86%
-- Flow 1:
Average throughput: 11.29 Mbit/s
95th percentile per-packet one-way delay: 10.479 ms
Loss rate: 71.86%
```

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



Run 2: Statistics of TaoVA-100x

Start at: 2019-03-08 21:53:26

End at: 2019-03-08 21:53:56

Local clock offset: 2.061 ms

Remote clock offset: -0.774 ms

Below is generated by plot.py at 2019-03-08 23:23:44

Datalink statistics

-- Total of 1 flow:

Average throughput: 9.22 Mbit/s

95th percentile per-packet one-way delay: 9.583 ms

Loss rate: 82.49%

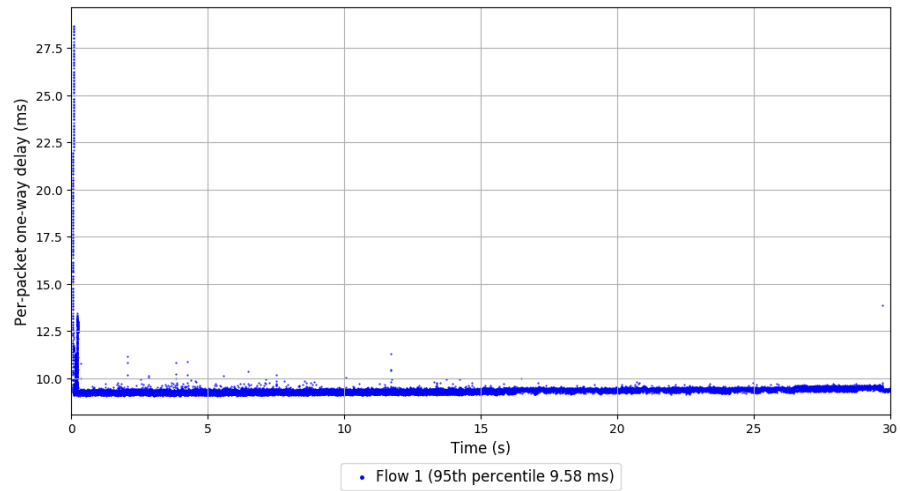
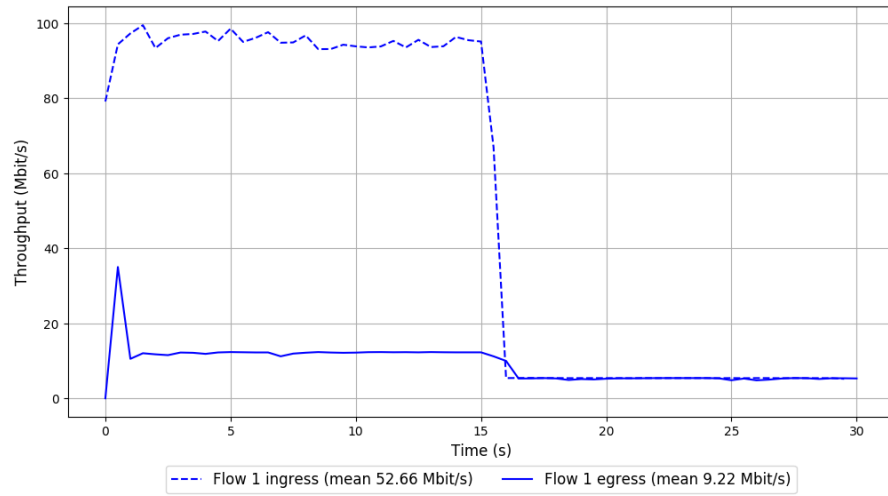
-- Flow 1:

Average throughput: 9.22 Mbit/s

95th percentile per-packet one-way delay: 9.583 ms

Loss rate: 82.49%

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



Run 3: Statistics of TaoVA-100x

Start at: 2019-03-08 22:17:16

End at: 2019-03-08 22:17:46

Local clock offset: -0.315 ms

Remote clock offset: 0.801 ms

Below is generated by plot.py at 2019-03-08 23:23:46

Datalink statistics

-- Total of 1 flow:

Average throughput: 12.26 Mbit/s

95th percentile per-packet one-way delay: 13.241 ms

Loss rate: 71.69%

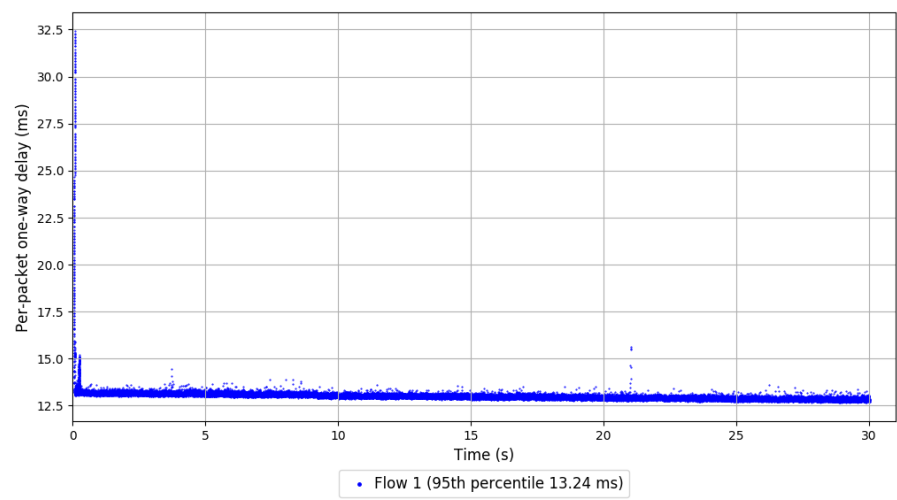
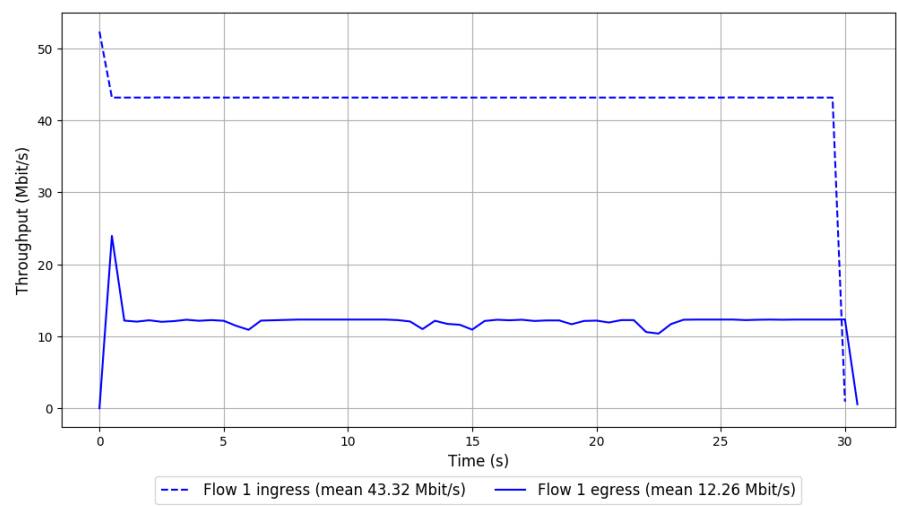
-- Flow 1:

Average throughput: 12.26 Mbit/s

95th percentile per-packet one-way delay: 13.241 ms

Loss rate: 71.69%

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



Run 4: Statistics of TaoVA-100x

Start at: 2019-03-08 22:40:59

End at: 2019-03-08 22:41:29

Local clock offset: -5.195 ms

Remote clock offset: 0.512 ms

Below is generated by plot.py at 2019-03-08 23:23:49

Datalink statistics

-- Total of 1 flow:

Average throughput: 9.45 Mbit/s

95th percentile per-packet one-way delay: 11.523 ms

Loss rate: 82.10%

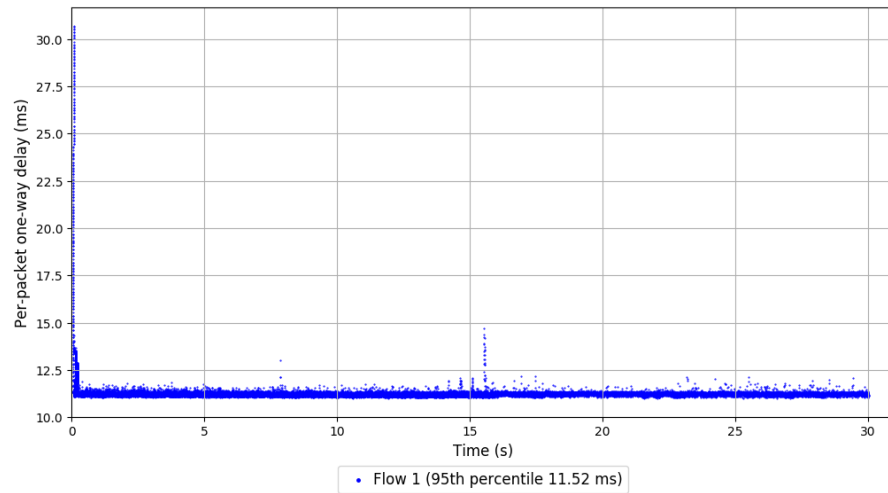
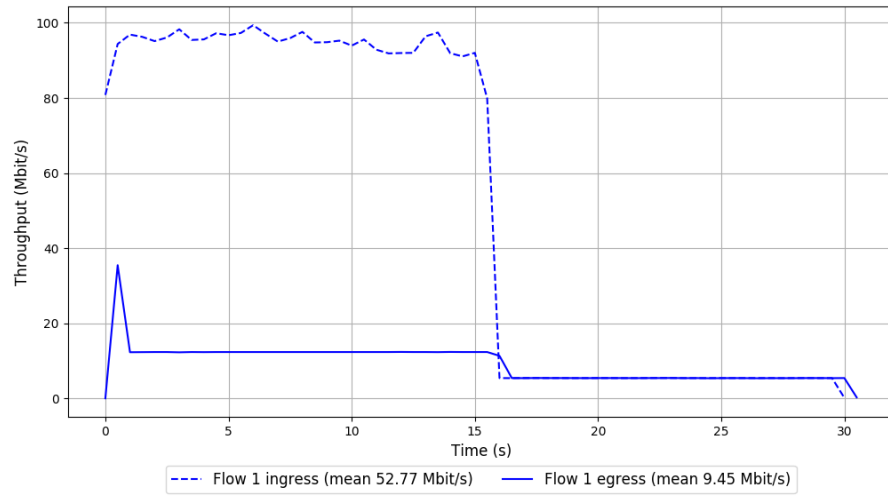
-- Flow 1:

Average throughput: 9.45 Mbit/s

95th percentile per-packet one-way delay: 11.523 ms

Loss rate: 82.10%

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

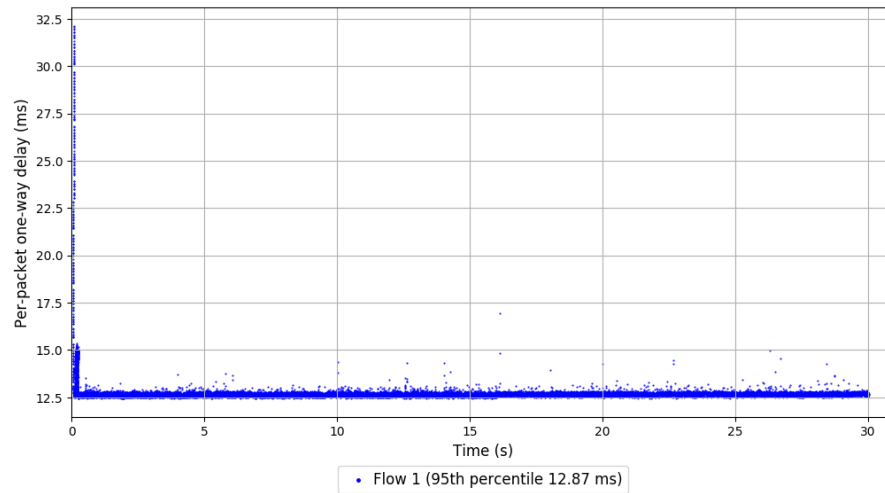
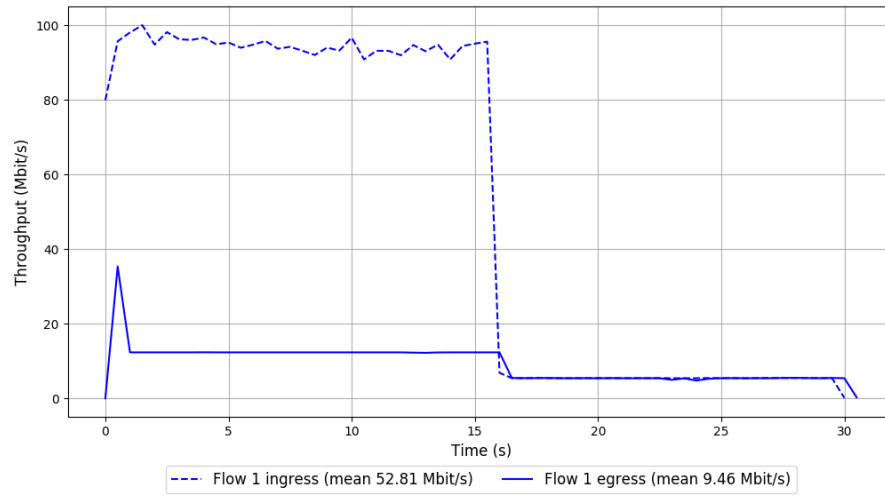


Run 5: Statistics of TaoVA-100x

Start at: 2019-03-08 23:04:41
End at: 2019-03-08 23:05:11
Local clock offset: -3.29 ms
Remote clock offset: -0.544 ms

Below is generated by plot.py at 2019-03-08 23:23:49
Datalink statistics
-- Total of 1 flow:
Average throughput: 9.46 Mbit/s
95th percentile per-packet one-way delay: 12.866 ms
Loss rate: 82.09%
-- Flow 1:
Average throughput: 9.46 Mbit/s
95th percentile per-packet one-way delay: 12.866 ms
Loss rate: 82.09%

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



Run 1: Statistics of TCP Vegas

Start at: 2019-03-08 21:35:36

End at: 2019-03-08 21:36:06

Local clock offset: -3.515 ms

Remote clock offset: 0.983 ms

Below is generated by plot.py at 2019-03-08 23:23:49

Datalink statistics

-- Total of 1 flow:

Average throughput: 10.28 Mbit/s

95th percentile per-packet one-way delay: 12.720 ms

Loss rate: 1.10%

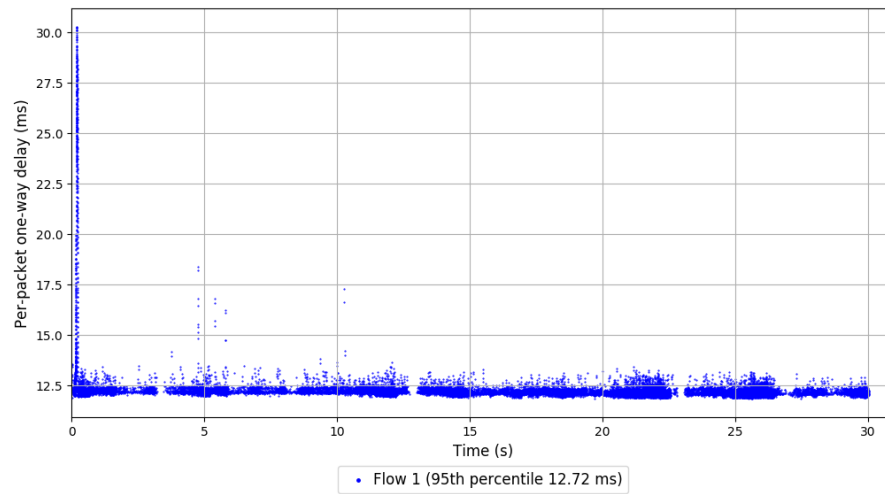
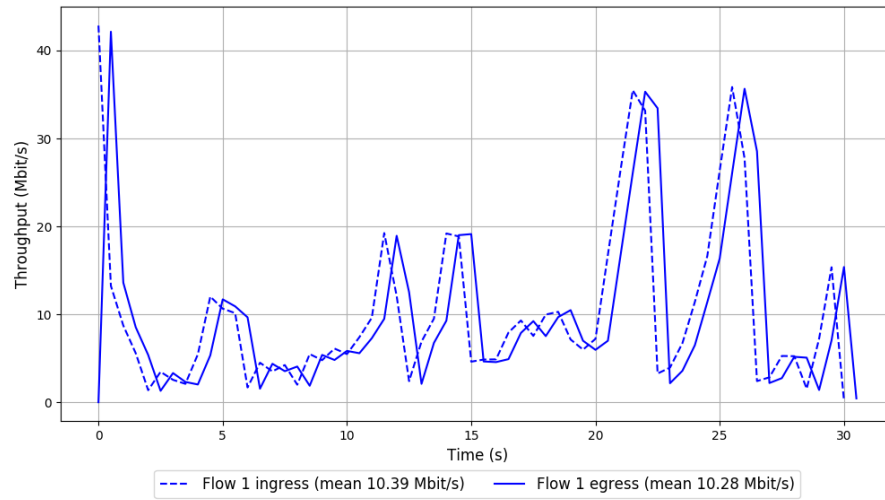
-- Flow 1:

Average throughput: 10.28 Mbit/s

95th percentile per-packet one-way delay: 12.720 ms

Loss rate: 1.10%

Run 1: Report of TCP Vegas — Data Link

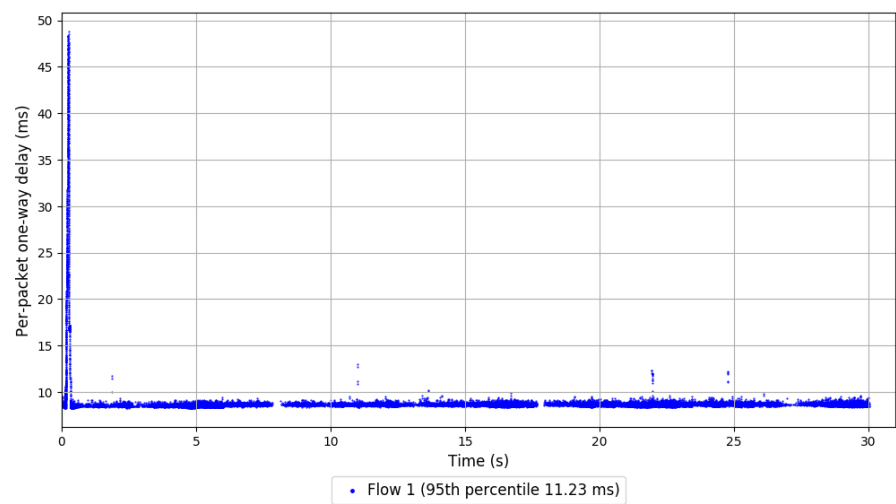
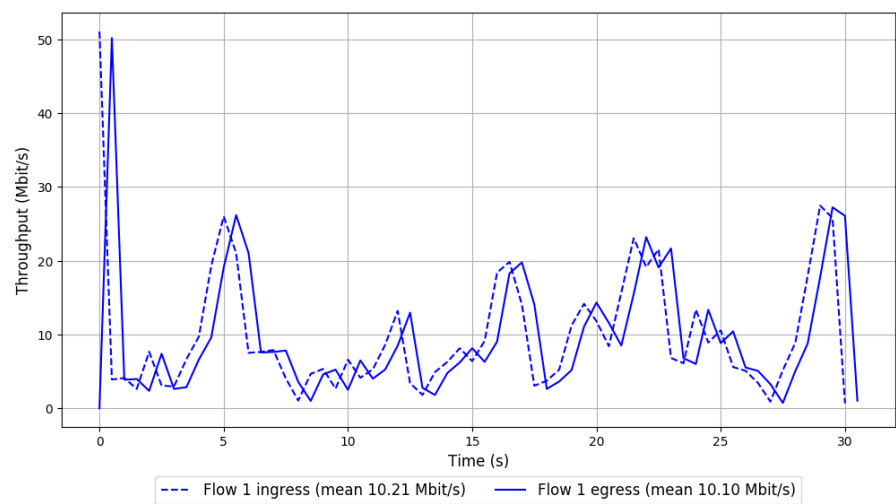


Run 2: Statistics of TCP Vegas

Start at: 2019-03-08 21:58:59
End at: 2019-03-08 21:59:29
Local clock offset: 3.843 ms
Remote clock offset: -1.074 ms

Below is generated by plot.py at 2019-03-08 23:23:49
Datalink statistics
-- Total of 1 flow:
Average throughput: 10.10 Mbit/s
95th percentile per-packet one-way delay: 11.231 ms
Loss rate: 1.06%
-- Flow 1:
Average throughput: 10.10 Mbit/s
95th percentile per-packet one-way delay: 11.231 ms
Loss rate: 1.06%

Run 2: Report of TCP Vegas — Data Link

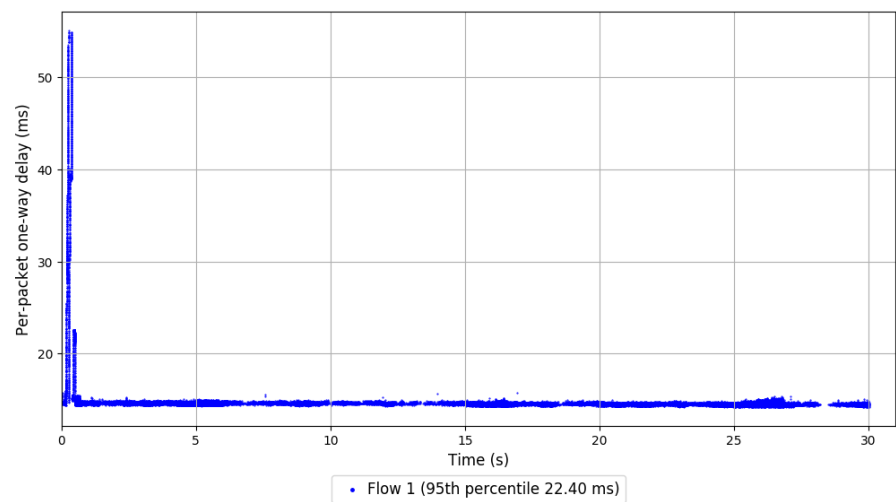
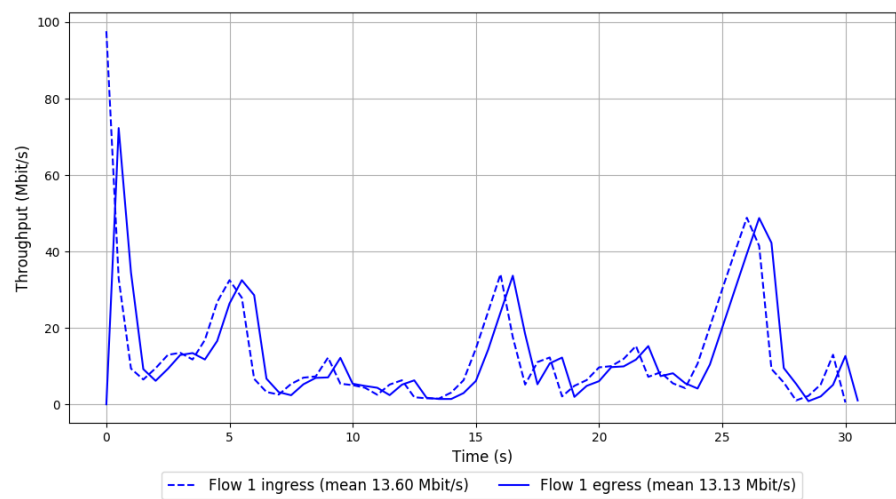


Run 3: Statistics of TCP Vegas

Start at: 2019-03-08 22:23:03
End at: 2019-03-08 22:23:33
Local clock offset: -4.195 ms
Remote clock offset: 1.224 ms

Below is generated by plot.py at 2019-03-08 23:23:50
Datalink statistics
-- Total of 1 flow:
Average throughput: 13.13 Mbit/s
95th percentile per-packet one-way delay: 22.400 ms
Loss rate: 3.43%
-- Flow 1:
Average throughput: 13.13 Mbit/s
95th percentile per-packet one-way delay: 22.400 ms
Loss rate: 3.43%

Run 3: Report of TCP Vegas — Data Link

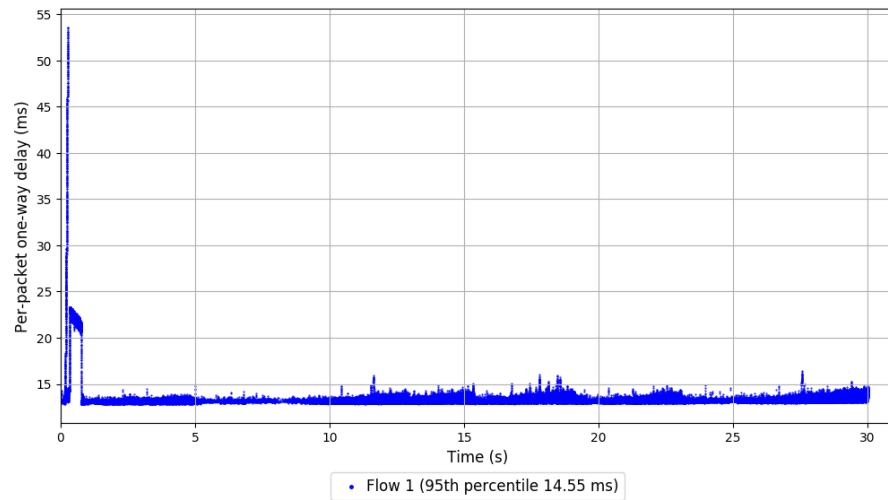
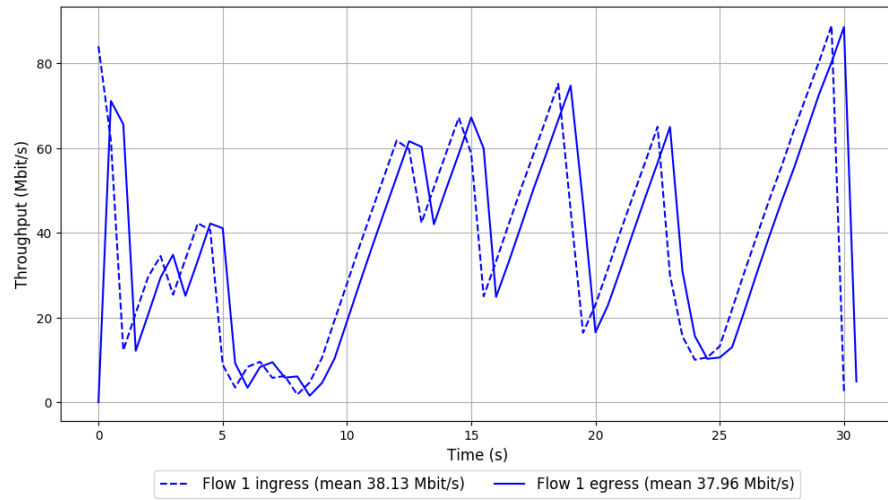


Run 4: Statistics of TCP Vegas

Start at: 2019-03-08 22:46:33
End at: 2019-03-08 22:47:03
Local clock offset: -4.992 ms
Remote clock offset: 1.541 ms

Below is generated by plot.py at 2019-03-08 23:24:06
Datalink statistics
-- Total of 1 flow:
Average throughput: 37.96 Mbit/s
95th percentile per-packet one-way delay: 14.553 ms
Loss rate: 0.43%
-- Flow 1:
Average throughput: 37.96 Mbit/s
95th percentile per-packet one-way delay: 14.553 ms
Loss rate: 0.43%

Run 4: Report of TCP Vegas — Data Link

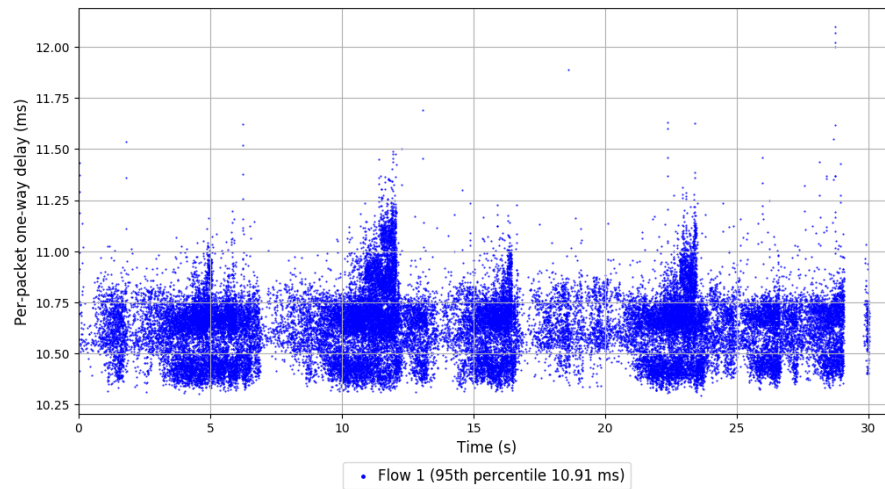
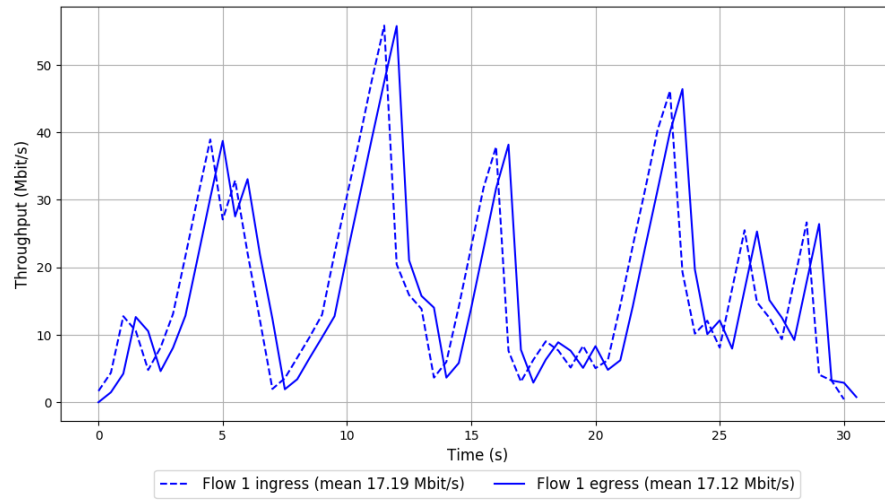


Run 5: Statistics of TCP Vegas

Start at: 2019-03-08 23:10:14
End at: 2019-03-08 23:10:44
Local clock offset: -1.362 ms
Remote clock offset: -0.998 ms

Below is generated by plot.py at 2019-03-08 23:24:06
Datalink statistics
-- Total of 1 flow:
Average throughput: 17.12 Mbit/s
95th percentile per-packet one-way delay: 10.910 ms
Loss rate: 0.37%
-- Flow 1:
Average throughput: 17.12 Mbit/s
95th percentile per-packet one-way delay: 10.910 ms
Loss rate: 0.37%

Run 5: Report of TCP Vegas — Data Link



Run 1: Statistics of Verus

Start at: 2019-03-08 21:20:56

End at: 2019-03-08 21:21:26

Local clock offset: -3.822 ms

Remote clock offset: 1.744 ms

Below is generated by plot.py at 2019-03-08 23:24:29

Datalink statistics

-- Total of 1 flow:

Average throughput: 51.89 Mbit/s

95th percentile per-packet one-way delay: 48.461 ms

Loss rate: 47.99%

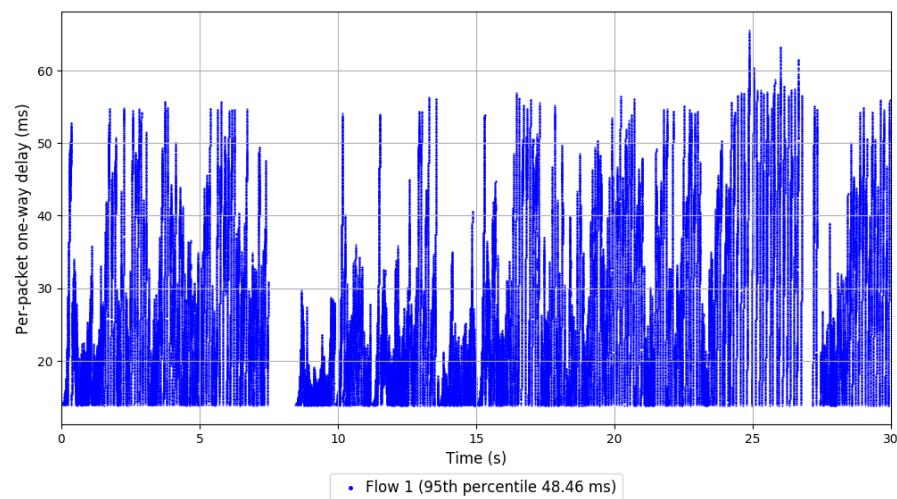
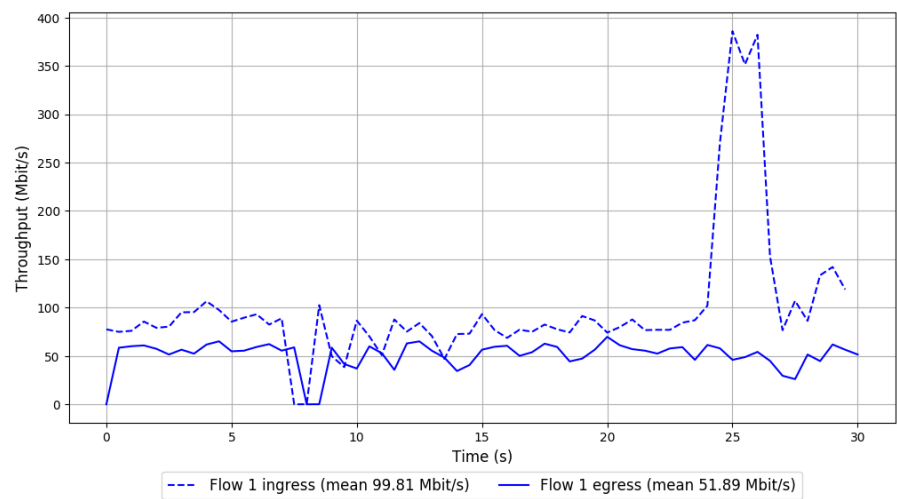
-- Flow 1:

Average throughput: 51.89 Mbit/s

95th percentile per-packet one-way delay: 48.461 ms

Loss rate: 47.99%

Run 1: Report of Verus — Data Link



Run 2: Statistics of Verus

Start at: 2019-03-08 21:44:29

End at: 2019-03-08 21:44:59

Local clock offset: -5.919 ms

Remote clock offset: 0.729 ms

Below is generated by plot.py at 2019-03-08 23:24:40

Datalink statistics

-- Total of 1 flow:

Average throughput: 52.91 Mbit/s

95th percentile per-packet one-way delay: 54.674 ms

Loss rate: 65.02%

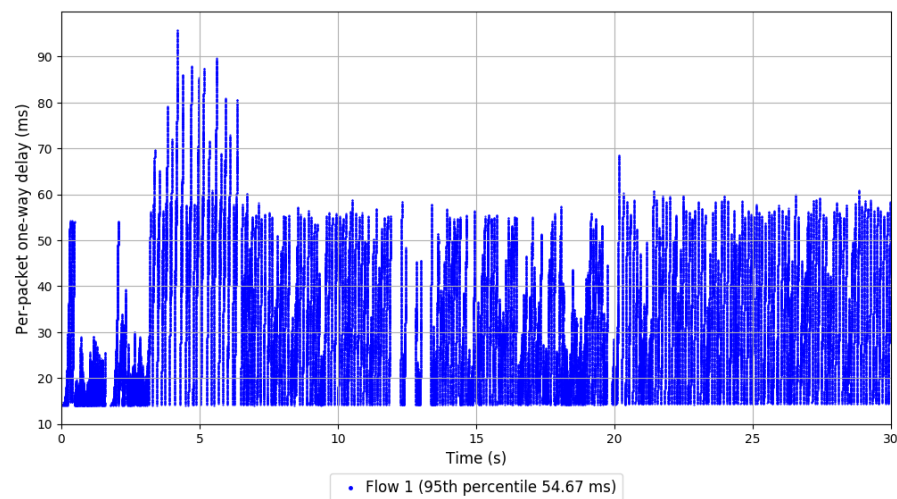
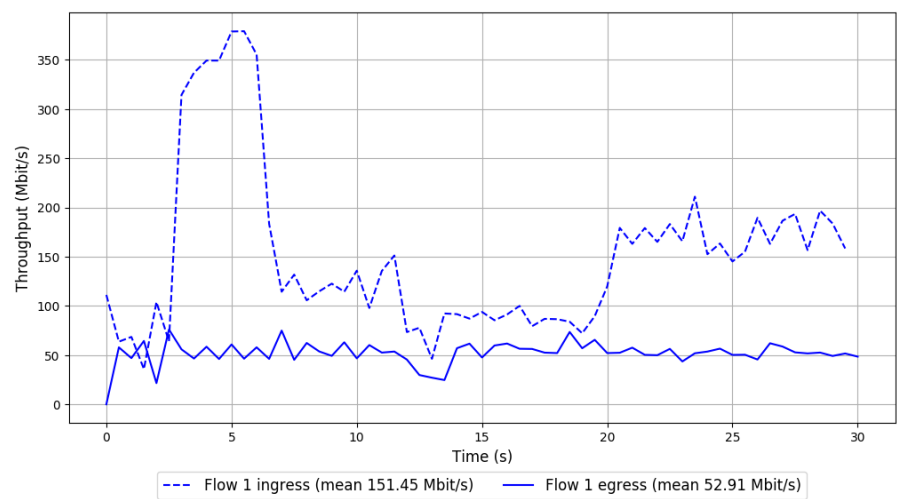
-- Flow 1:

Average throughput: 52.91 Mbit/s

95th percentile per-packet one-way delay: 54.674 ms

Loss rate: 65.02%

Run 2: Report of Verus — Data Link



Run 3: Statistics of Verus

Start at: 2019-03-08 22:08:09

End at: 2019-03-08 22:08:39

Local clock offset: 0.815 ms

Remote clock offset: 0.532 ms

Below is generated by plot.py at 2019-03-08 23:24:40

Datalink statistics

-- Total of 1 flow:

Average throughput: 56.33 Mbit/s

95th percentile per-packet one-way delay: 47.536 ms

Loss rate: 30.05%

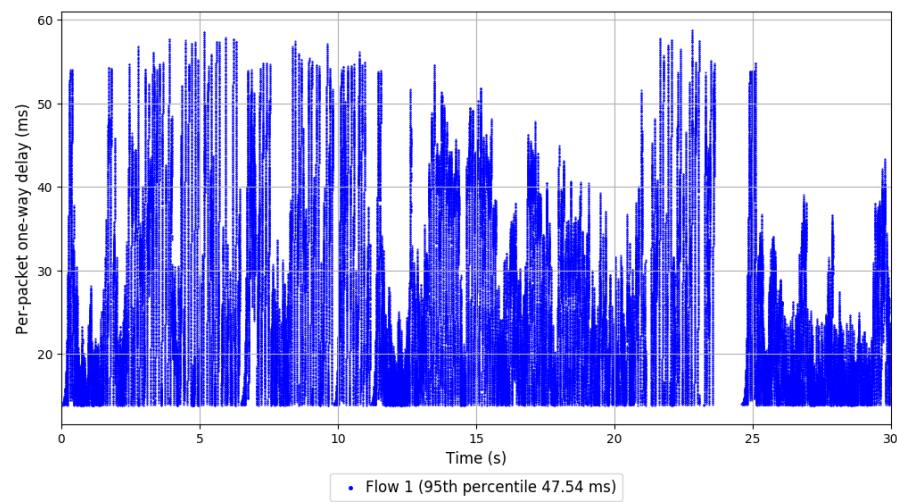
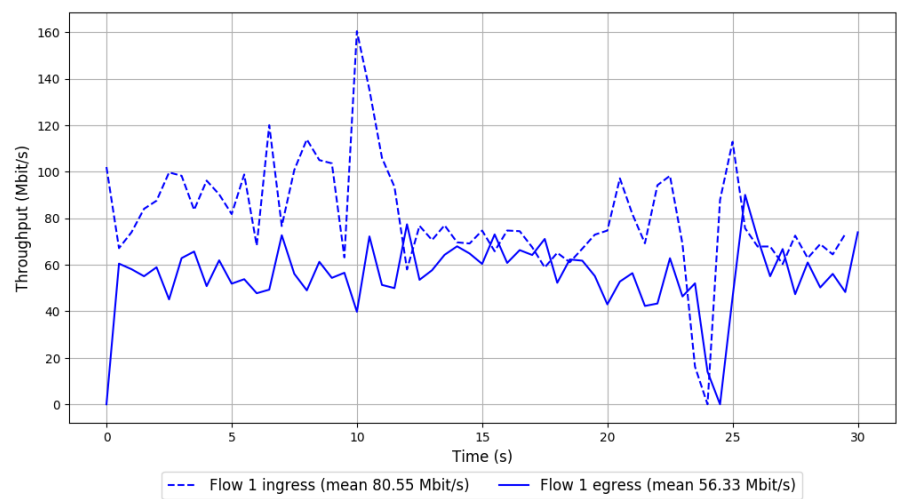
-- Flow 1:

Average throughput: 56.33 Mbit/s

95th percentile per-packet one-way delay: 47.536 ms

Loss rate: 30.05%

Run 3: Report of Verus — Data Link

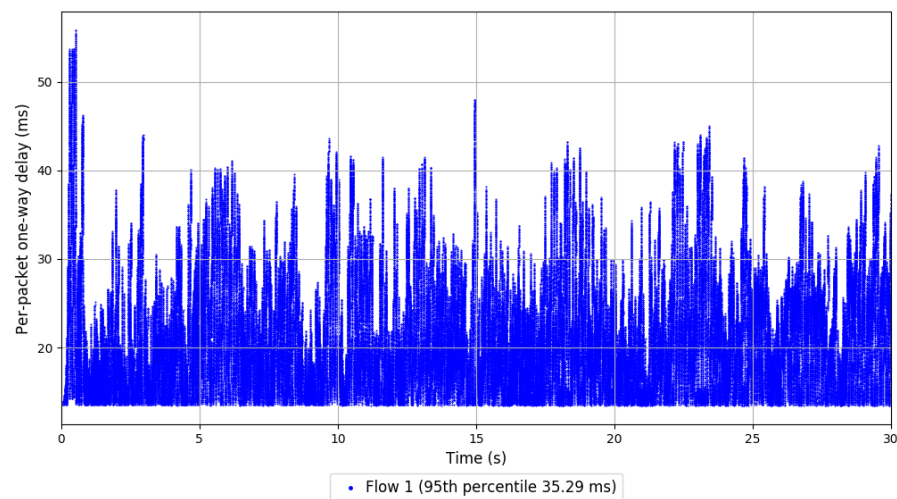
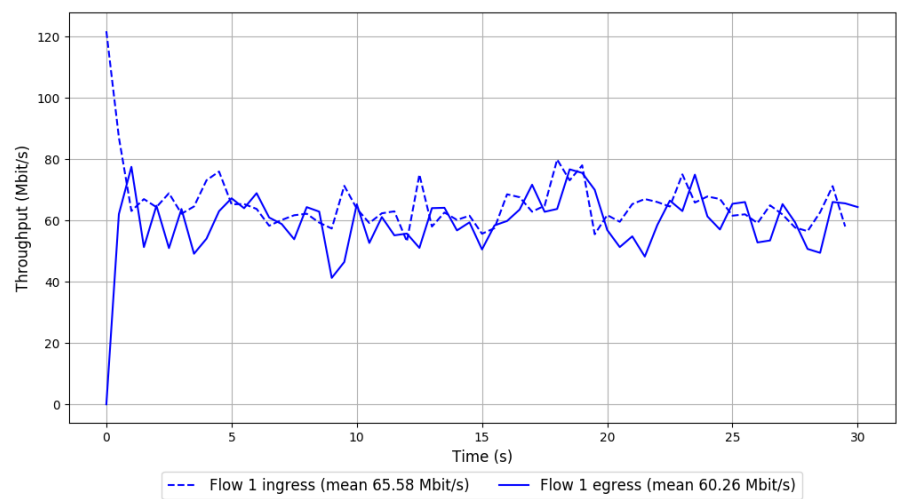


Run 4: Statistics of Verus

Start at: 2019-03-08 22:31:59
End at: 2019-03-08 22:32:29
Local clock offset: -7.052 ms
Remote clock offset: -0.281 ms

Below is generated by plot.py at 2019-03-08 23:24:40
Datalink statistics
-- Total of 1 flow:
Average throughput: 60.26 Mbit/s
95th percentile per-packet one-way delay: 35.294 ms
Loss rate: 8.04%
-- Flow 1:
Average throughput: 60.26 Mbit/s
95th percentile per-packet one-way delay: 35.294 ms
Loss rate: 8.04%

Run 4: Report of Verus — Data Link



Run 5: Statistics of Verus

Start at: 2019-03-08 22:55:39

End at: 2019-03-08 22:56:09

Local clock offset: -2.217 ms

Remote clock offset: 0.735 ms

Below is generated by plot.py at 2019-03-08 23:24:40

Datalink statistics

-- Total of 1 flow:

Average throughput: 64.86 Mbit/s

95th percentile per-packet one-way delay: 34.832 ms

Loss rate: 9.46%

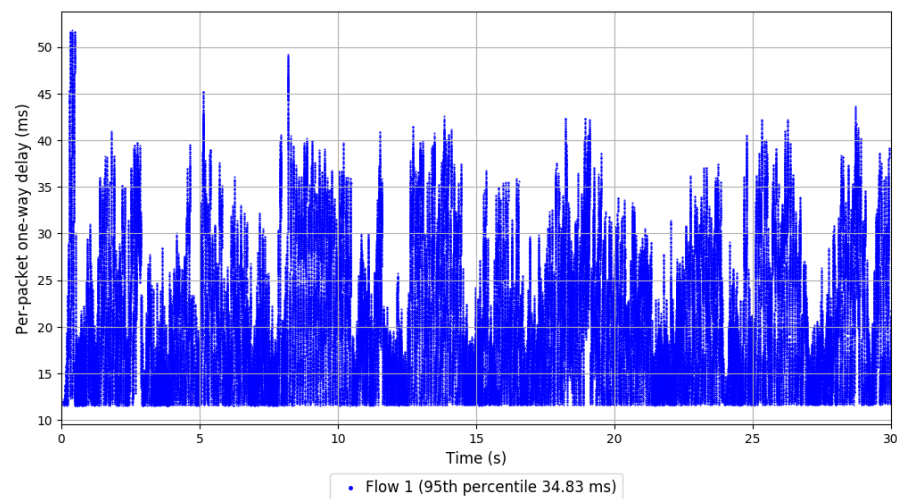
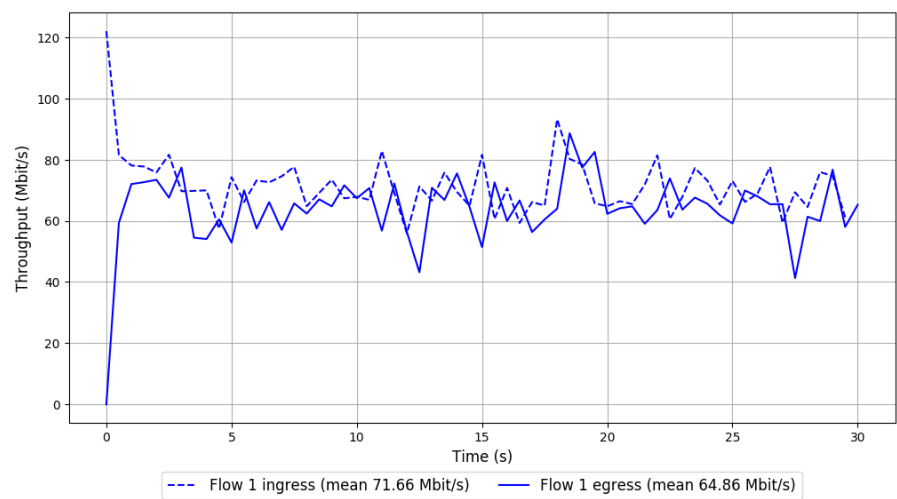
-- Flow 1:

Average throughput: 64.86 Mbit/s

95th percentile per-packet one-way delay: 34.832 ms

Loss rate: 9.46%

Run 5: Report of Verus — Data Link



Run 1: Statistics of PCC-Vivace

Start at: 2019-03-08 21:31:05

End at: 2019-03-08 21:31:35

Local clock offset: -3.239 ms

Remote clock offset: 1.687 ms

Below is generated by plot.py at 2019-03-08 23:24:40

Datalink statistics

-- Total of 1 flow:

Average throughput: 22.28 Mbit/s

95th percentile per-packet one-way delay: 12.918 ms

Loss rate: 13.06%

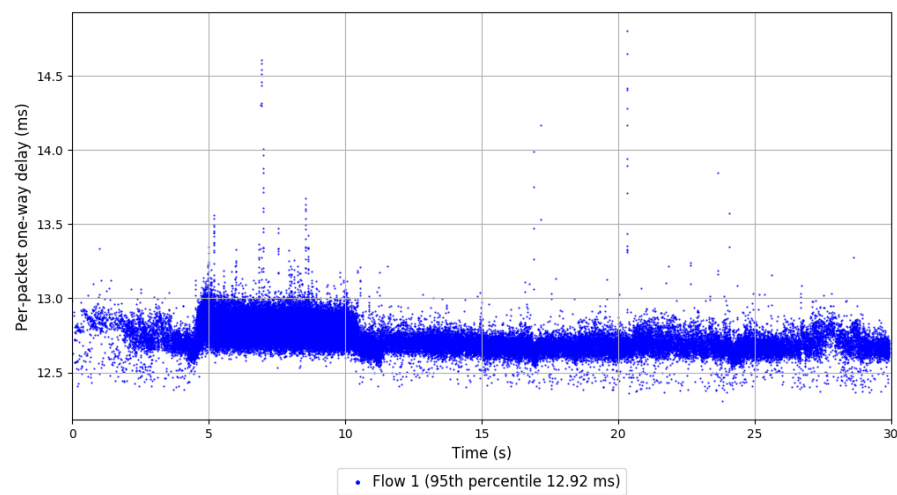
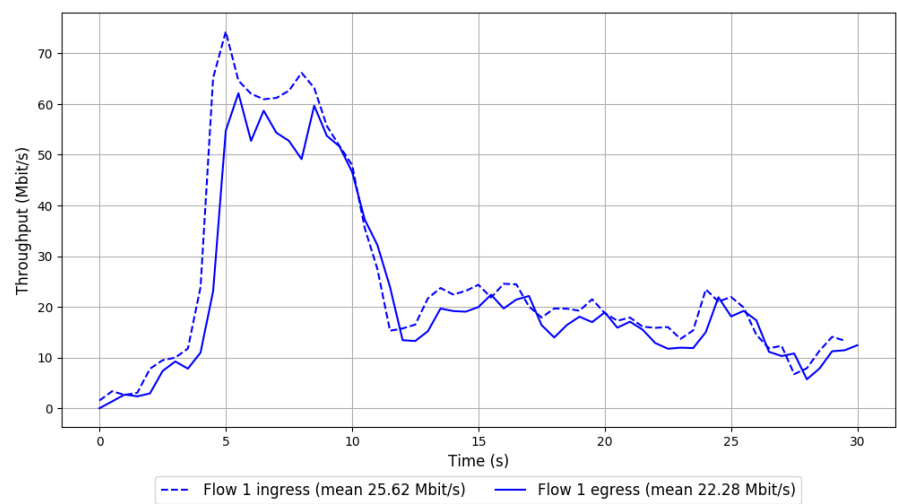
-- Flow 1:

Average throughput: 22.28 Mbit/s

95th percentile per-packet one-way delay: 12.918 ms

Loss rate: 13.06%

Run 1: Report of PCC-Vivace — Data Link



Run 2: Statistics of PCC-Vivace

Start at: 2019-03-08 21:54:32

End at: 2019-03-08 21:55:02

Local clock offset: -0.864 ms

Remote clock offset: 0.334 ms

Below is generated by plot.py at 2019-03-08 23:24:40

Datalink statistics

-- Total of 1 flow:

Average throughput: 52.47 Mbit/s

95th percentile per-packet one-way delay: 14.116 ms

Loss rate: 10.72%

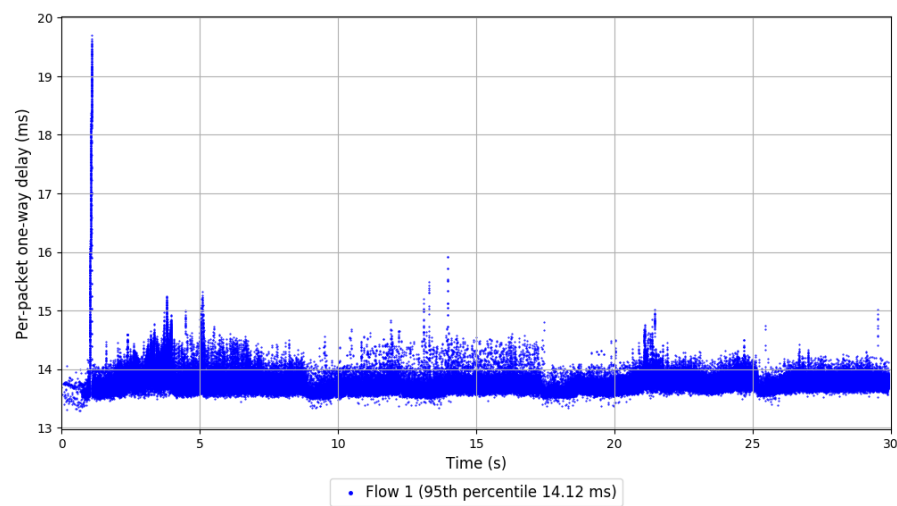
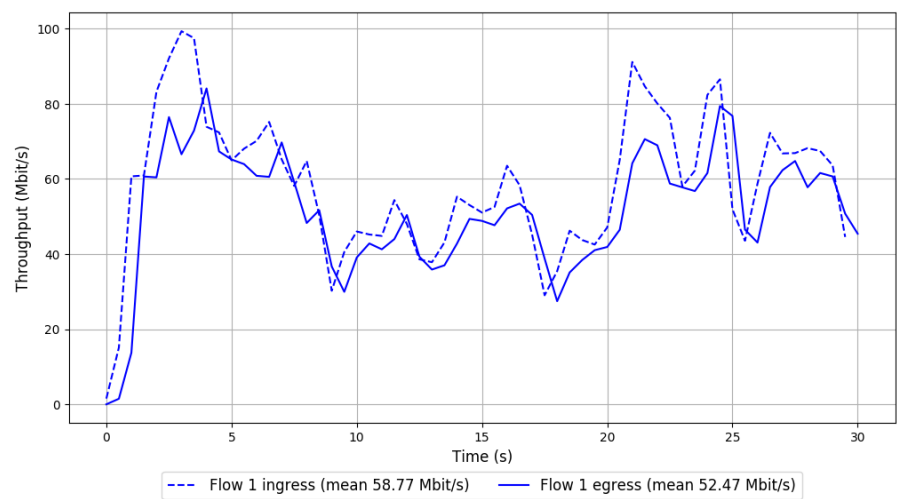
-- Flow 1:

Average throughput: 52.47 Mbit/s

95th percentile per-packet one-way delay: 14.116 ms

Loss rate: 10.72%

Run 2: Report of PCC-Vivace — Data Link



Run 3: Statistics of PCC-Vivace

Start at: 2019-03-08 22:18:27

End at: 2019-03-08 22:18:57

Local clock offset: -1.22 ms

Remote clock offset: -0.017 ms

Below is generated by plot.py at 2019-03-08 23:24:41

Datalink statistics

-- Total of 1 flow:

Average throughput: 55.45 Mbit/s

95th percentile per-packet one-way delay: 22.282 ms

Loss rate: 6.05%

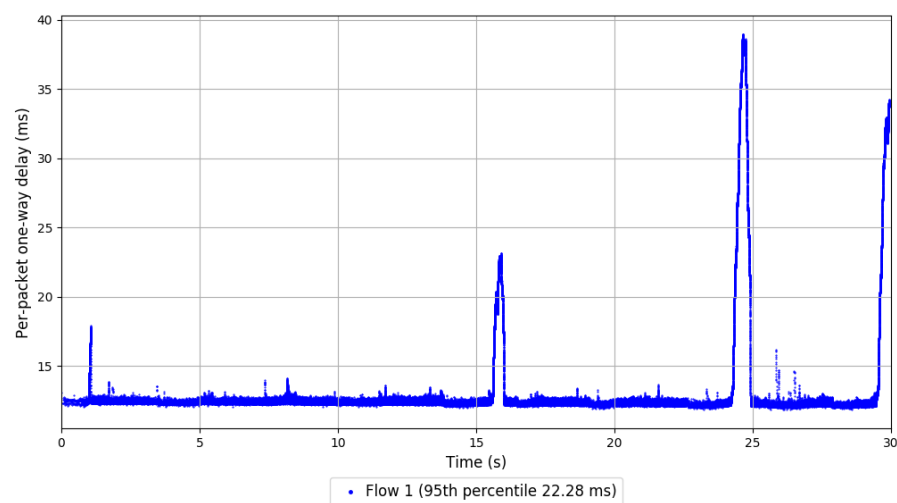
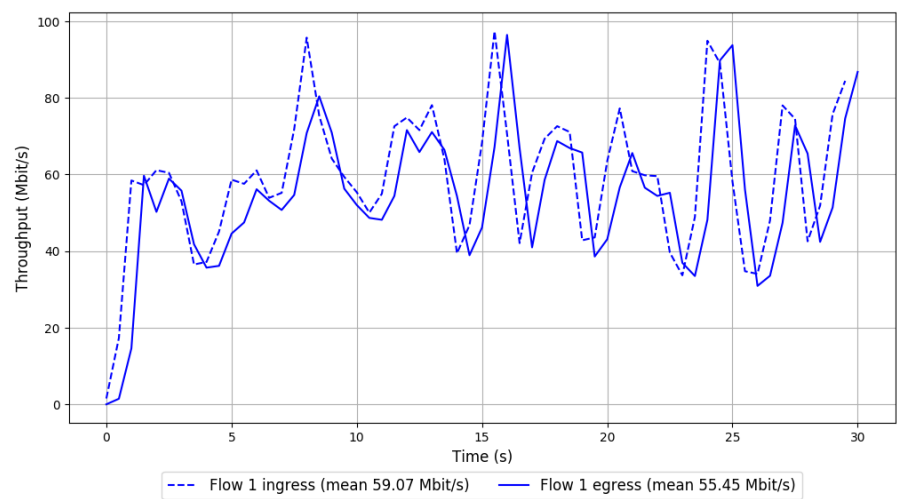
-- Flow 1:

Average throughput: 55.45 Mbit/s

95th percentile per-packet one-way delay: 22.282 ms

Loss rate: 6.05%

Run 3: Report of PCC-Vivace — Data Link



Run 4: Statistics of PCC-Vivace

Start at: 2019-03-08 22:42:05

End at: 2019-03-08 22:42:35

Local clock offset: -7.253 ms

Remote clock offset: 1.136 ms

Below is generated by plot.py at 2019-03-08 23:24:45

Datalink statistics

-- Total of 1 flow:

Average throughput: 76.78 Mbit/s

95th percentile per-packet one-way delay: 14.491 ms

Loss rate: 4.12%

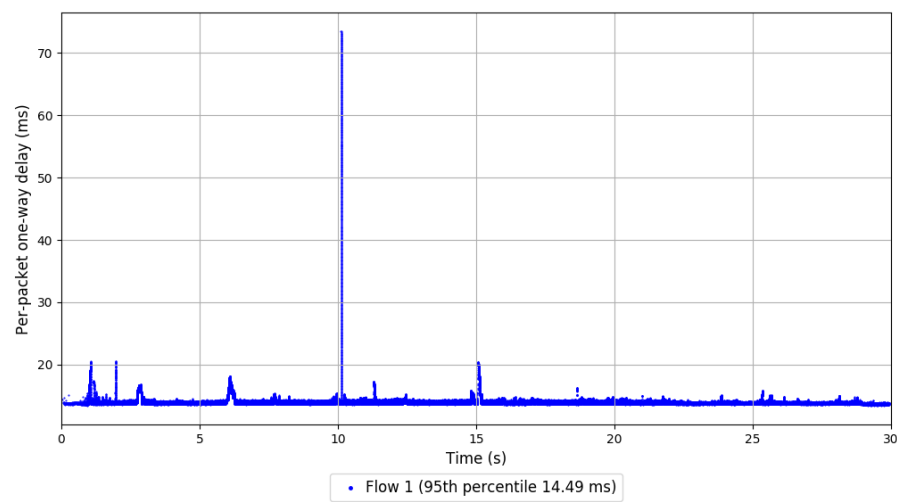
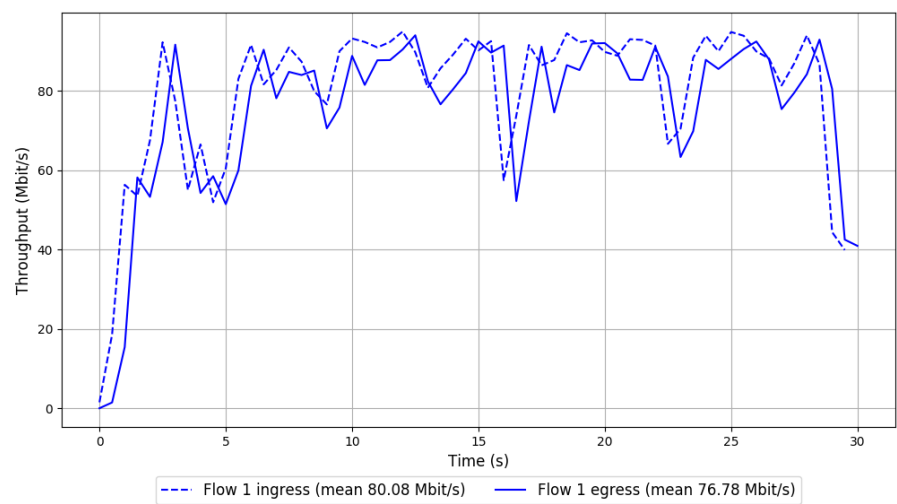
-- Flow 1:

Average throughput: 76.78 Mbit/s

95th percentile per-packet one-way delay: 14.491 ms

Loss rate: 4.12%

Run 4: Report of PCC-Vivace — Data Link



Run 5: Statistics of PCC-Vivace

Start at: 2019-03-08 23:05:47

End at: 2019-03-08 23:06:17

Local clock offset: -1.8 ms

Remote clock offset: 0.598 ms

Below is generated by plot.py at 2019-03-08 23:24:47

Datalink statistics

-- Total of 1 flow:

Average throughput: 76.42 Mbit/s

95th percentile per-packet one-way delay: 12.972 ms

Loss rate: 4.54%

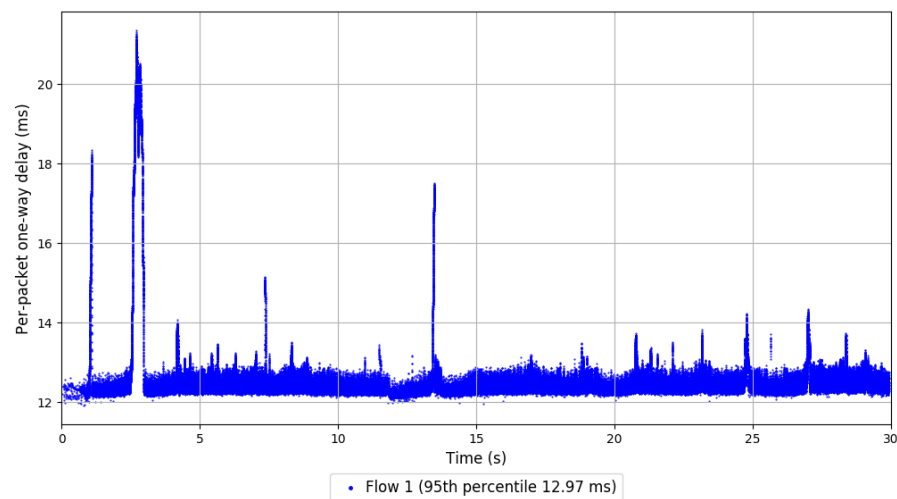
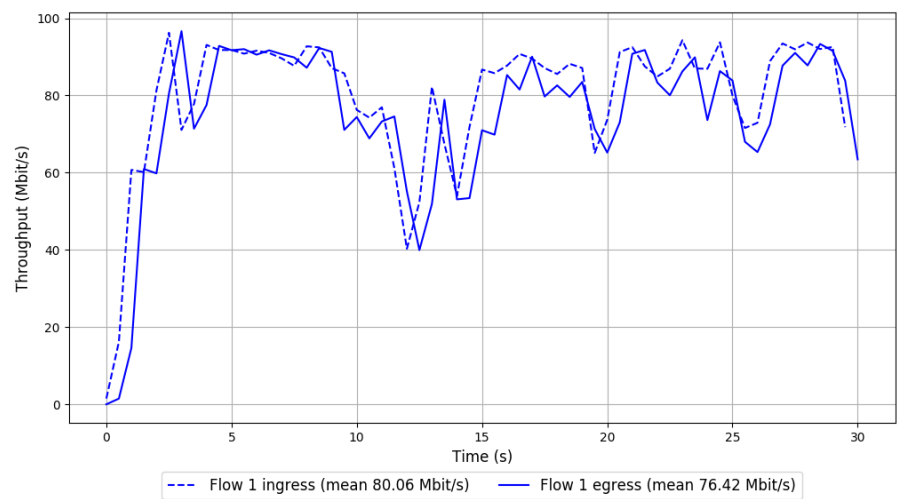
-- Flow 1:

Average throughput: 76.42 Mbit/s

95th percentile per-packet one-way delay: 12.972 ms

Loss rate: 4.54%

Run 5: Report of PCC-Vivace — Data Link



Run 1: Statistics of WebRTC media

Start at: 2019-03-08 21:34:26

End at: 2019-03-08 21:34:56

Local clock offset: -4.524 ms

Remote clock offset: 0.619 ms

Below is generated by plot.py at 2019-03-08 23:24:47

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.05 Mbit/s

95th percentile per-packet one-way delay: 13.444 ms

Loss rate: 0.00%

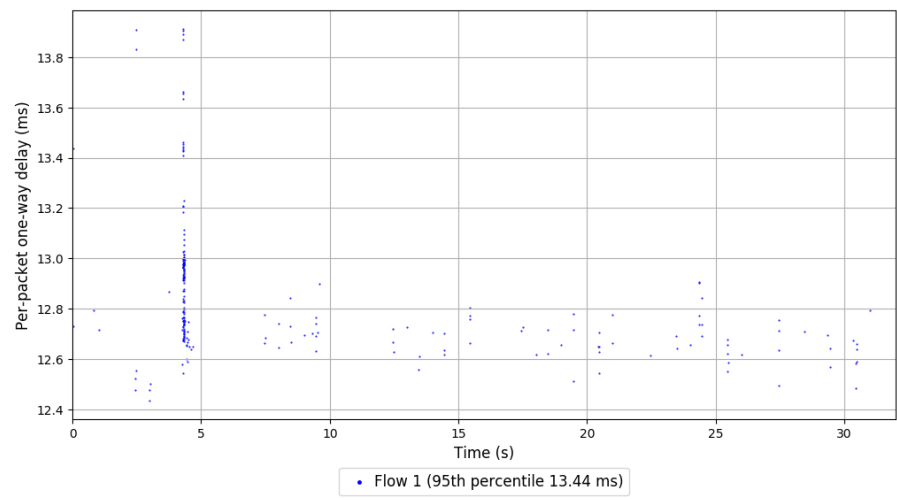
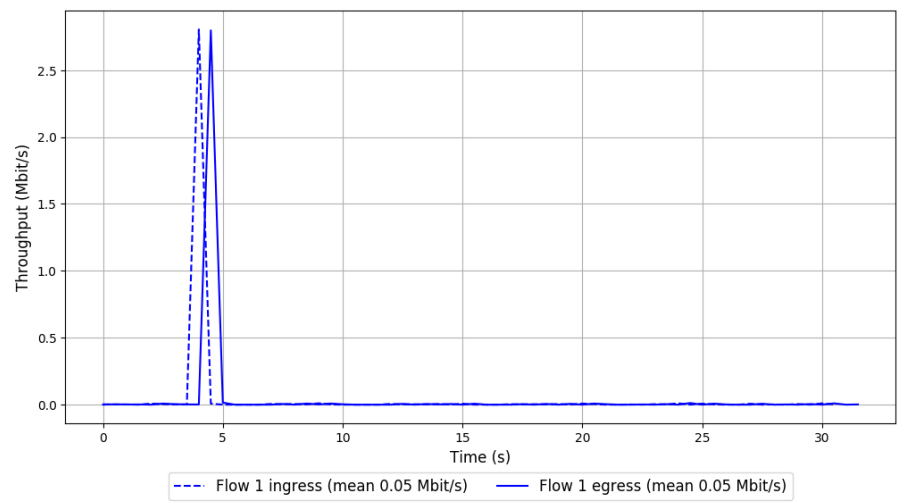
-- Flow 1:

Average throughput: 0.05 Mbit/s

95th percentile per-packet one-way delay: 13.444 ms

Loss rate: 0.00%

Run 1: Report of WebRTC media — Data Link



Run 2: Statistics of WebRTC media

Start at: 2019-03-08 21:57:54

End at: 2019-03-08 21:58:24

Local clock offset: 1.966 ms

Remote clock offset: 0.233 ms

Below is generated by plot.py at 2019-03-08 23:24:47

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.05 Mbit/s

95th percentile per-packet one-way delay: 12.102 ms

Loss rate: 0.06%

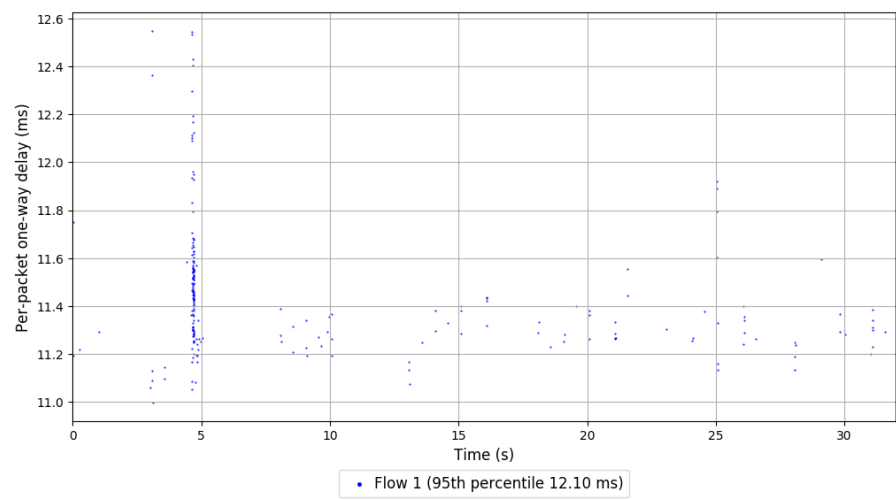
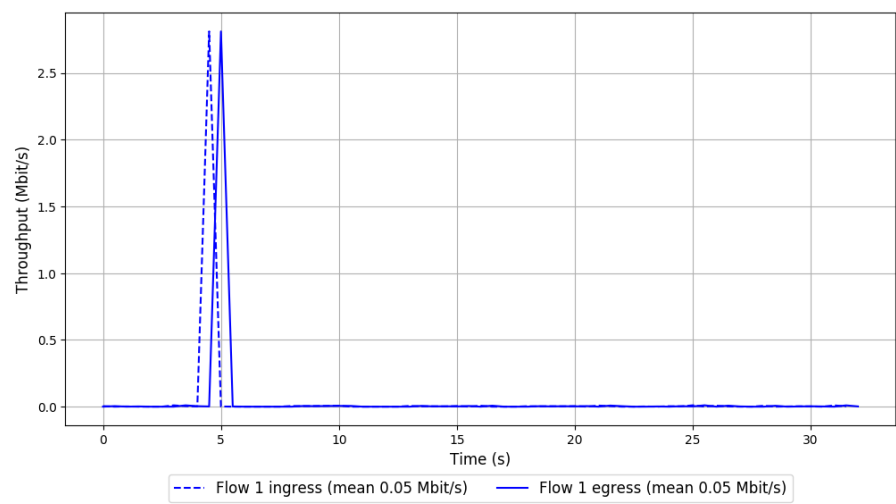
-- Flow 1:

Average throughput: 0.05 Mbit/s

95th percentile per-packet one-way delay: 12.102 ms

Loss rate: 0.06%

Run 2: Report of WebRTC media — Data Link



Run 3: Statistics of WebRTC media

Start at: 2019-03-08 22:21:49

End at: 2019-03-08 22:22:19

Local clock offset: -3.887 ms

Remote clock offset: 1.408 ms

Below is generated by plot.py at 2019-03-08 23:24:47

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.05 Mbit/s

95th percentile per-packet one-way delay: 15.498 ms

Loss rate: 0.00%

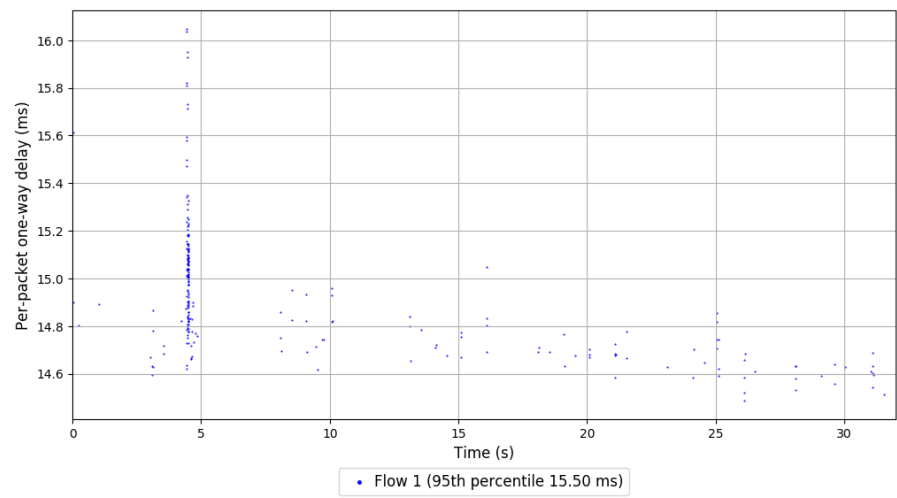
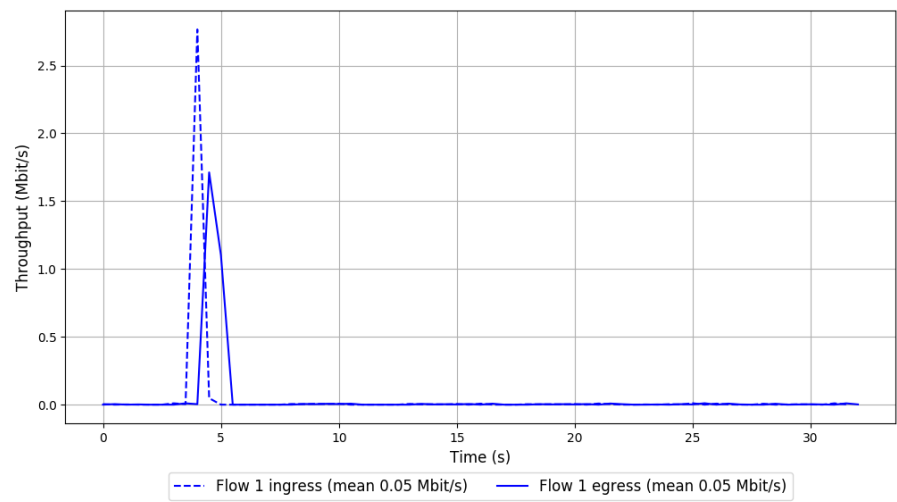
-- Flow 1:

Average throughput: 0.05 Mbit/s

95th percentile per-packet one-way delay: 15.498 ms

Loss rate: 0.00%

Run 3: Report of WebRTC media — Data Link



Run 4: Statistics of WebRTC media

Start at: 2019-03-08 22:45:28

End at: 2019-03-08 22:45:58

Local clock offset: -4.749 ms

Remote clock offset: 1.479 ms

Below is generated by plot.py at 2019-03-08 23:24:47

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.05 Mbit/s

95th percentile per-packet one-way delay: 12.723 ms

Loss rate: 0.00%

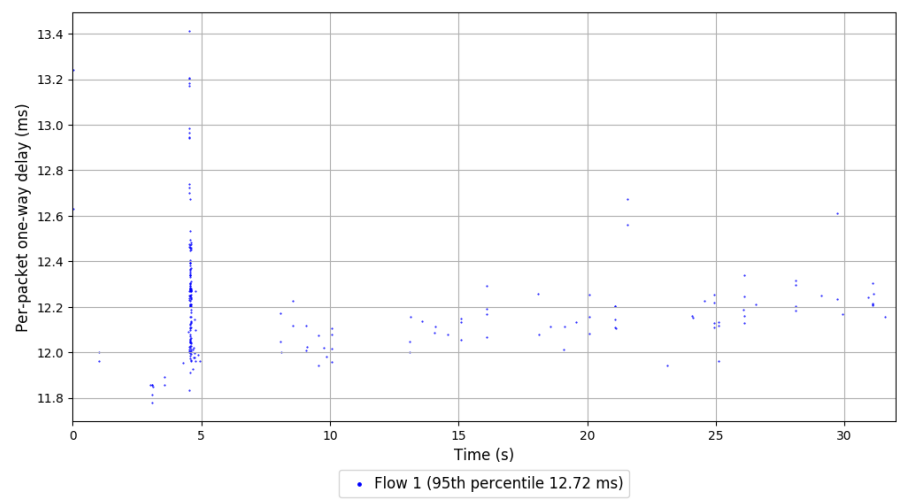
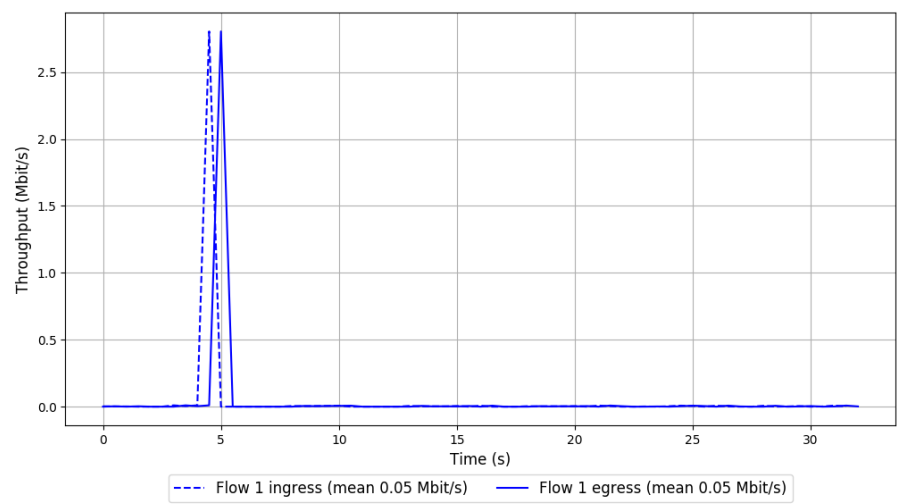
-- Flow 1:

Average throughput: 0.05 Mbit/s

95th percentile per-packet one-way delay: 12.723 ms

Loss rate: 0.00%

Run 4: Report of WebRTC media — Data Link



Run 5: Statistics of WebRTC media

Start at: 2019-03-08 23:09:09
End at: 2019-03-08 23:09:39
Local clock offset: 0.083 ms
Remote clock offset: -0.692 ms

Below is generated by plot.py at 2019-03-08 23:24:47
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 9.952 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 9.952 ms
Loss rate: 0.06%

Run 5: Report of WebRTC media — Data Link

