

Pantheon Report

Generated at 2019-03-08 23:33:50 (UTC).

Data path: AWS Brazil 2 on `ens5` (*local*) → Colombia on `p4p1` (*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 `gps.ntp.br` and have been applied to correct the timestamps in logs.

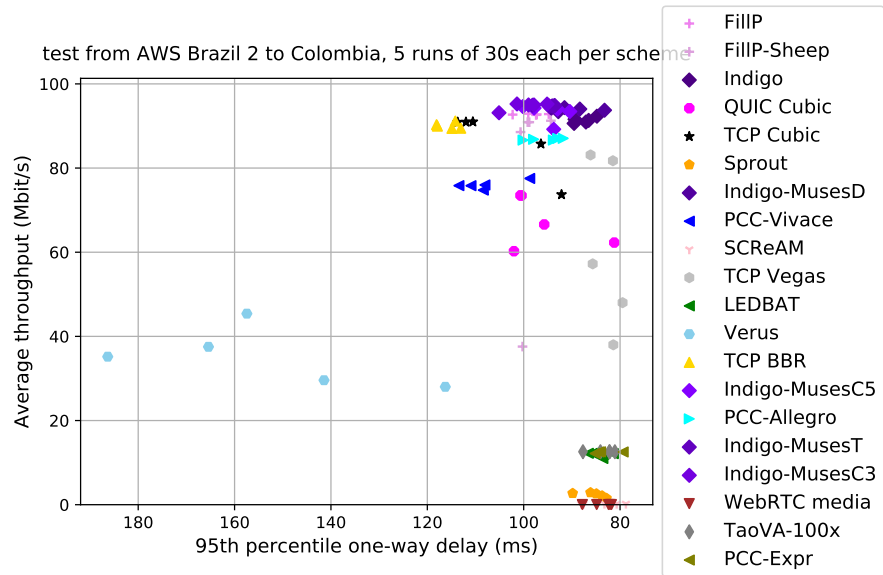
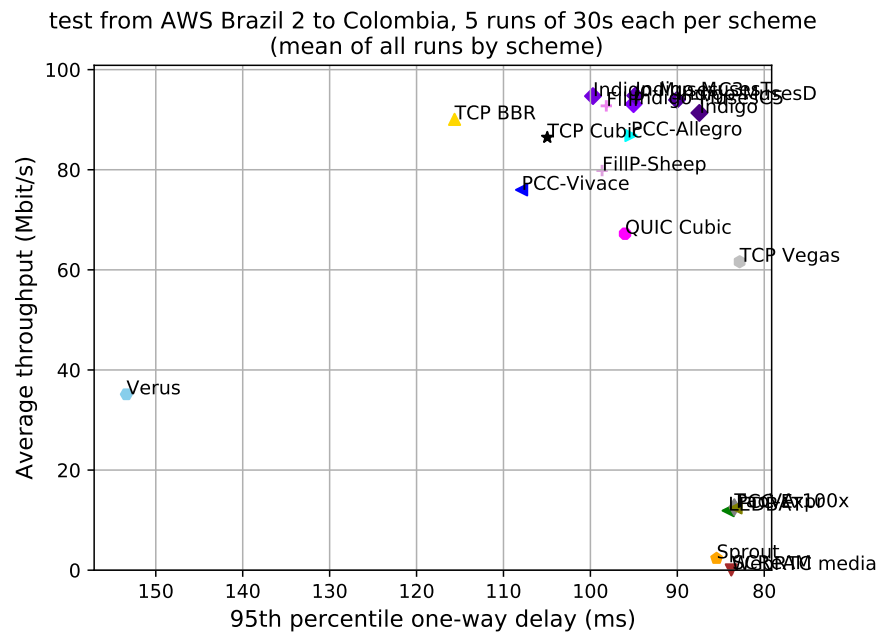
System info:

```
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



scheme	# runs	mean avg tput (Mbit/s) flow 1	mean 95th-%ile delay (ms) flow 1	mean loss rate (%) flow 1
TCP BBR	5	90.07	115.63	2.99
Copa	0	N/A	N/A	N/A
TCP Cubic	5	86.45	104.96	0.48
FillP	5	92.76	98.17	0.96
FillP-Sheep	5	79.84	98.65	1.35
Indigo	5	91.36	87.46	1.04
Indigo-MusesC3	5	94.71	99.70	0.26
Indigo-MusesC5	5	93.11	95.04	0.06
Indigo-MusesD	5	93.95	90.04	0.11
Indigo-MusesT	5	94.81	94.84	2.29
LEDBAT	5	11.90	84.15	0.02
PCC-Allegro	5	86.84	95.33	1.49
PCC-Expr	4	12.45	83.25	55.62
QUIC Cubic	5	67.22	96.02	0.37
SCReAM	5	0.22	83.68	0.03
Sprout	5	2.37	85.48	0.00
TaoVA-100x	5	12.59	83.45	31.13
TCP Vegas	5	61.62	82.83	0.91
Verus	5	35.14	153.38	65.73
PCC-Vivace	5	75.98	107.92	0.13
WebRTC media	5	0.05	83.79	0.00

Run 1: Statistics of TCP BBR

Start at: 2019-03-08 21:22:00

End at: 2019-03-08 21:22:30

Local clock offset: -7.63 ms

Remote clock offset: 6.536 ms

Below is generated by plot.py at 2019-03-08 23:25:09

Datalink statistics

-- Total of 1 flow:

Average throughput: 89.97 Mbit/s

95th percentile per-packet one-way delay: 117.911 ms

Loss rate: 2.60%

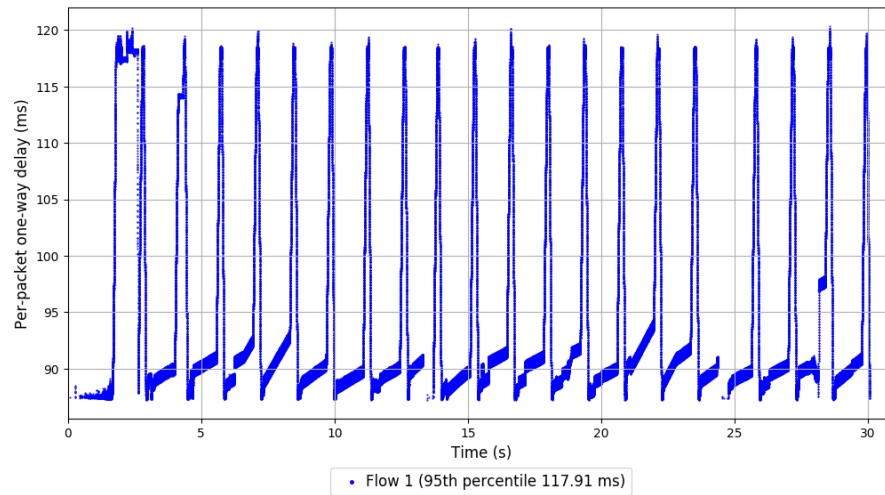
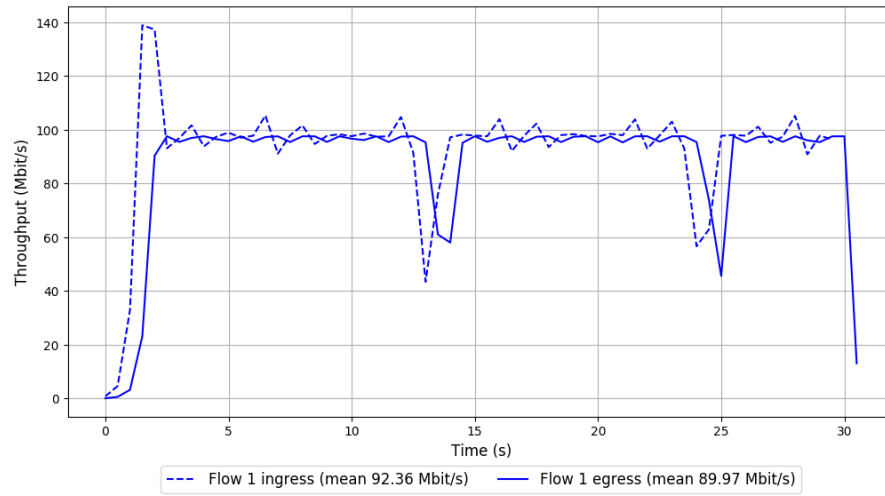
-- Flow 1:

Average throughput: 89.97 Mbit/s

95th percentile per-packet one-way delay: 117.911 ms

Loss rate: 2.60%

Run 1: Report of TCP BBR — Data Link



Run 2: Statistics of TCP BBR

Start at: 2019-03-08 21:46:42

End at: 2019-03-08 21:47:12

Local clock offset: -6.953 ms

Remote clock offset: 5.632 ms

Below is generated by plot.py at 2019-03-08 23:25:09

Datalink statistics

-- Total of 1 flow:

Average throughput: 89.43 Mbit/s

95th percentile per-packet one-way delay: 114.890 ms

Loss rate: 3.20%

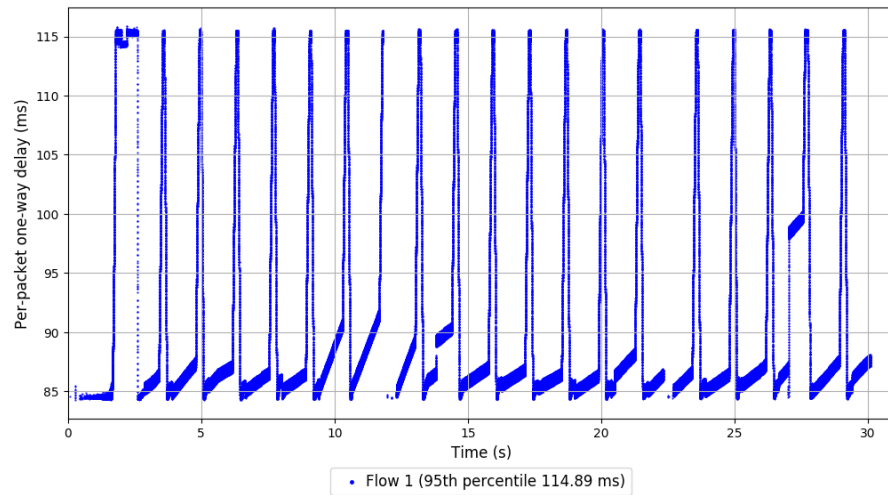
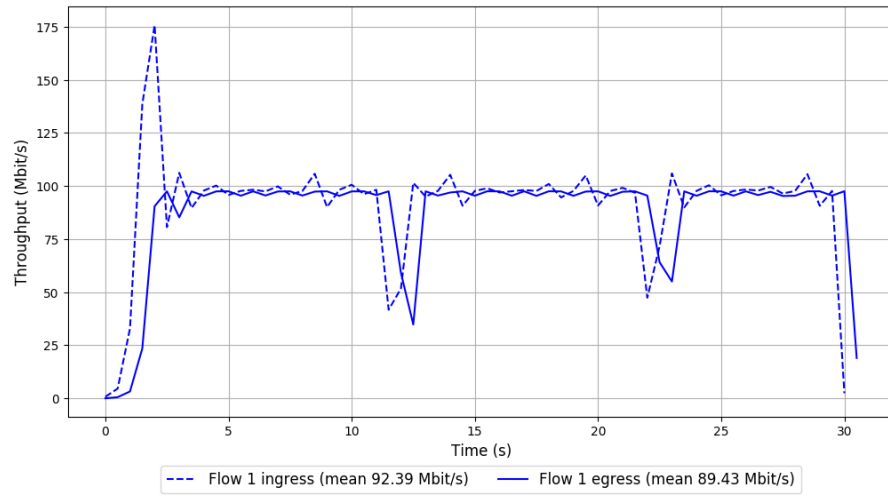
-- Flow 1:

Average throughput: 89.43 Mbit/s

95th percentile per-packet one-way delay: 114.890 ms

Loss rate: 3.20%

Run 2: Report of TCP BBR — Data Link



Run 3: Statistics of TCP BBR

Start at: 2019-03-08 22:11:23

End at: 2019-03-08 22:11:53

Local clock offset: -5.64 ms

Remote clock offset: 5.322 ms

Below is generated by plot.py at 2019-03-08 23:25:11

Datalink statistics

-- Total of 1 flow:

Average throughput: 91.17 Mbit/s

95th percentile per-packet one-way delay: 114.187 ms

Loss rate: 3.00%

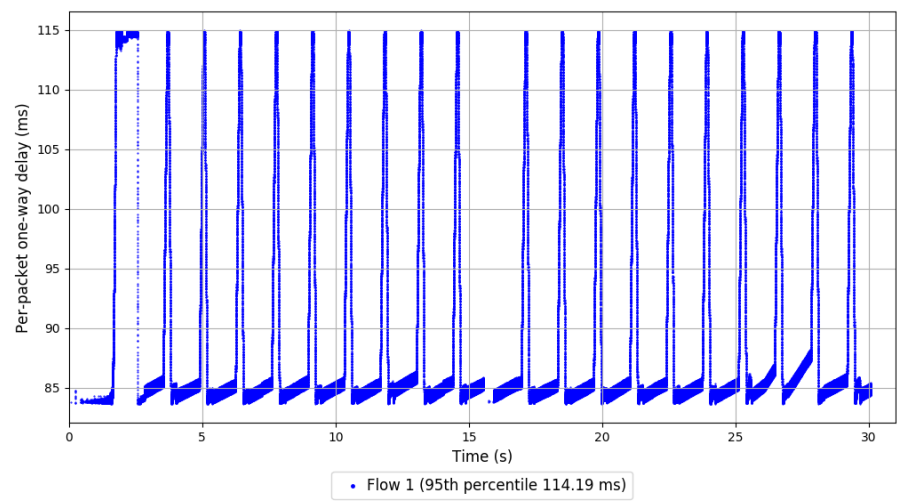
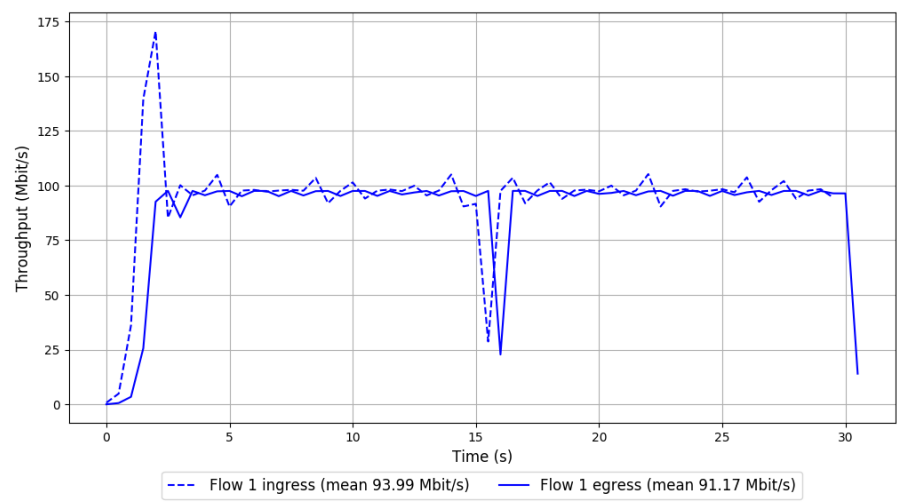
-- Flow 1:

Average throughput: 91.17 Mbit/s

95th percentile per-packet one-way delay: 114.187 ms

Loss rate: 3.00%

Run 3: Report of TCP BBR — Data Link



Run 4: Statistics of TCP BBR

Start at: 2019-03-08 22:36:05

End at: 2019-03-08 22:36:35

Local clock offset: -5.651 ms

Remote clock offset: 1.022 ms

Below is generated by plot.py at 2019-03-08 23:25:11

Datalink statistics

-- Total of 1 flow:

Average throughput: 89.47 Mbit/s

95th percentile per-packet one-way delay: 113.065 ms

Loss rate: 3.09%

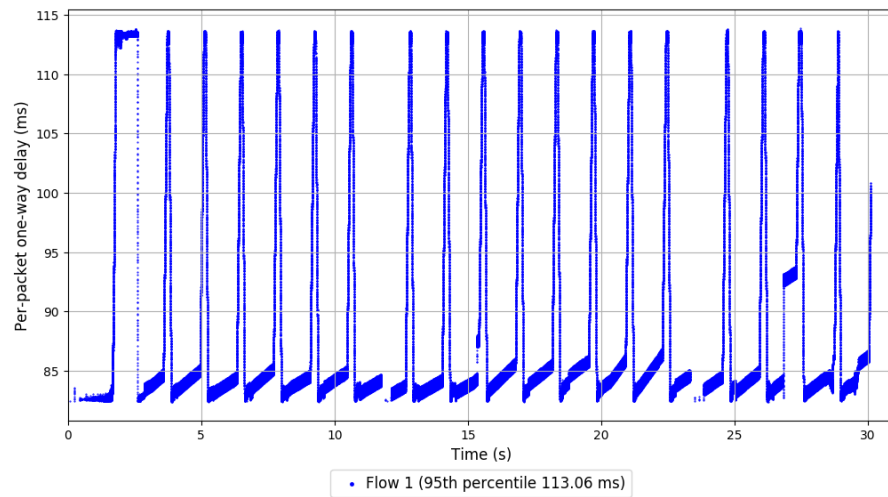
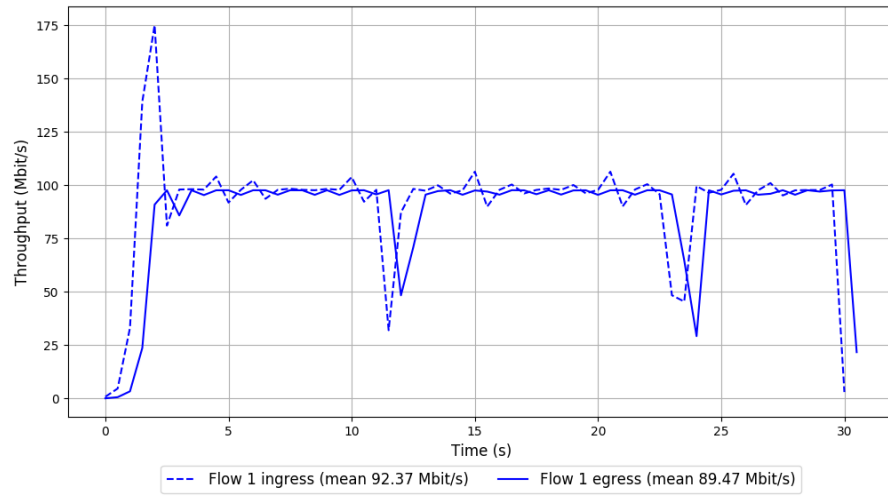
-- Flow 1:

Average throughput: 89.47 Mbit/s

95th percentile per-packet one-way delay: 113.065 ms

Loss rate: 3.09%

Run 4: Report of TCP BBR — Data Link



Run 5: Statistics of TCP BBR

Start at: 2019-03-08 23:00:49

End at: 2019-03-08 23:01:19

Local clock offset: -6.116 ms

Remote clock offset: 5.678 ms

Below is generated by plot.py at 2019-03-08 23:25:11

Datalink statistics

-- Total of 1 flow:

Average throughput: 90.31 Mbit/s

95th percentile per-packet one-way delay: 118.080 ms

Loss rate: 3.04%

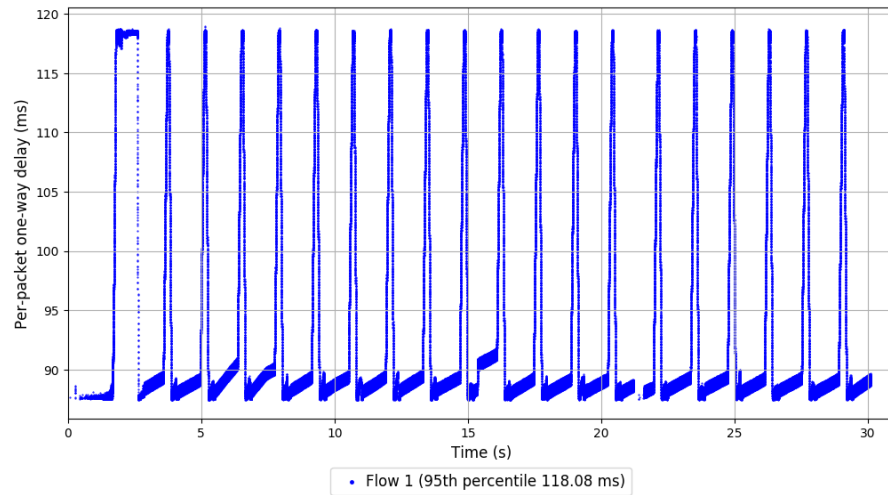
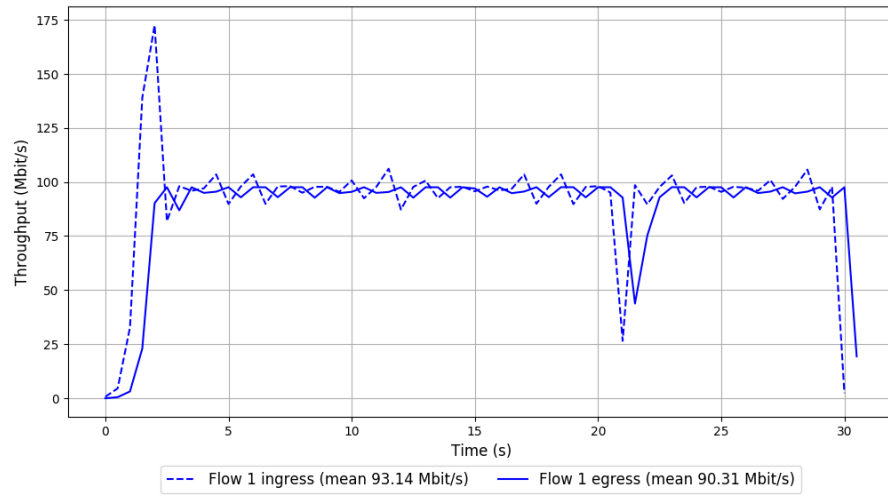
-- Flow 1:

Average throughput: 90.31 Mbit/s

95th percentile per-packet one-way delay: 118.080 ms

Loss rate: 3.04%

Run 5: Report of TCP BBR — Data Link



Run 1: Statistics of Copa

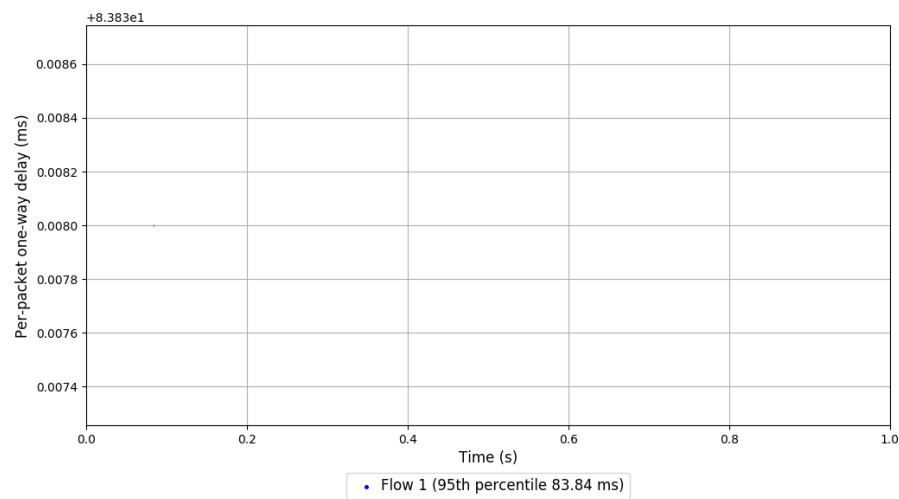
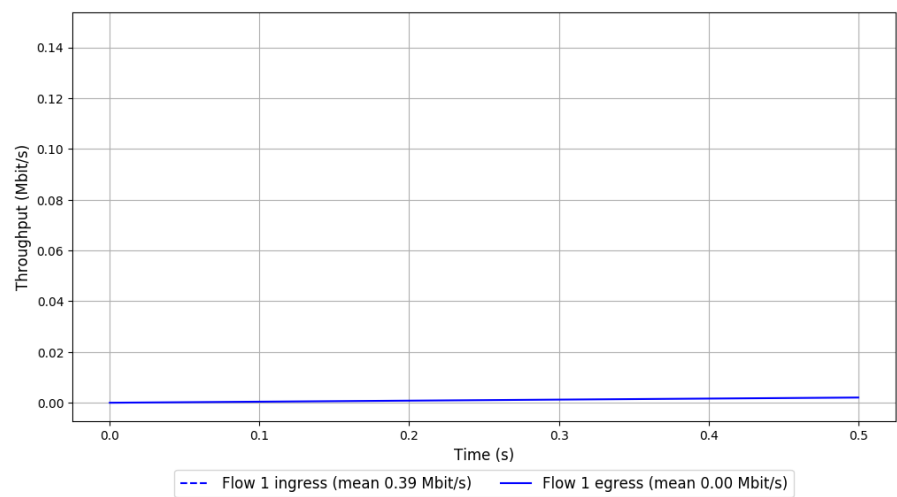
Start at: 2019-03-08 21:42:02

End at: 2019-03-08 21:42:32

Local clock offset: -7.445 ms

Remote clock offset: 6.69 ms

Run 1: Report of Copa — Data Link



Run 2: Statistics of Copa

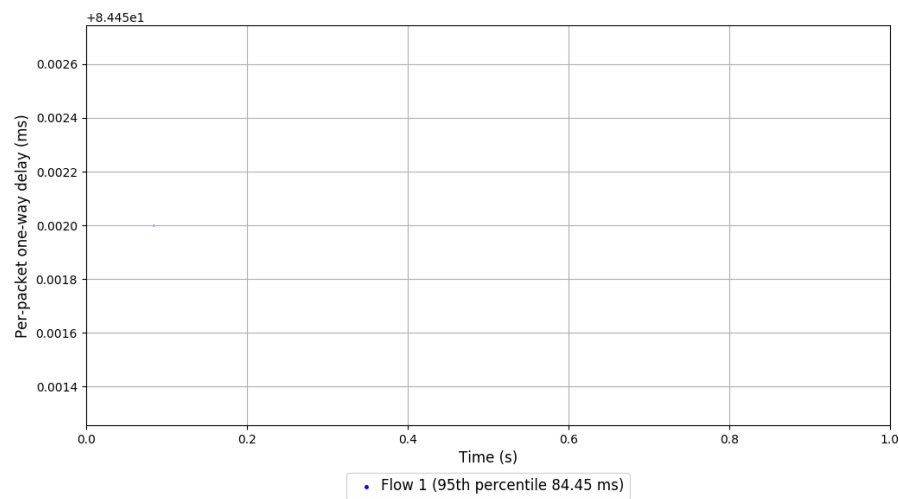
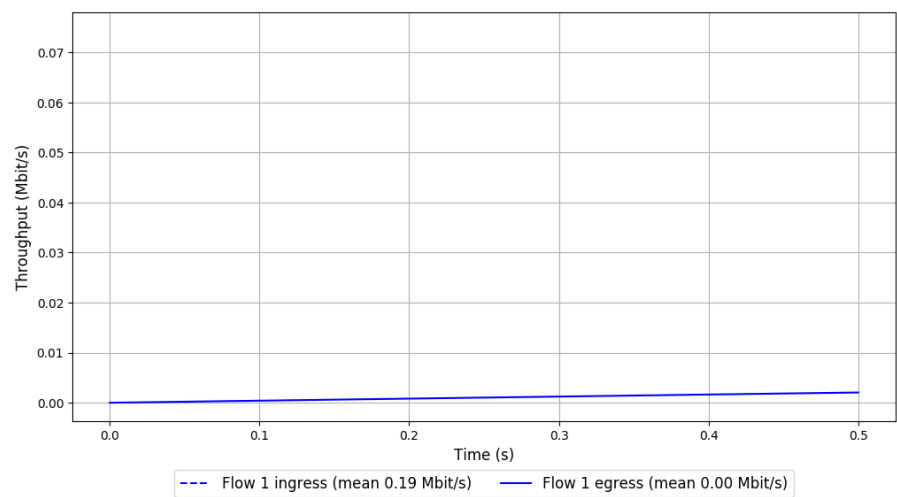
Start at: 2019-03-08 22:06:43

End at: 2019-03-08 22:07:13

Local clock offset: -5.705 ms

Remote clock offset: 4.437 ms

Run 2: Report of Copa — Data Link



Run 3: Statistics of Copa

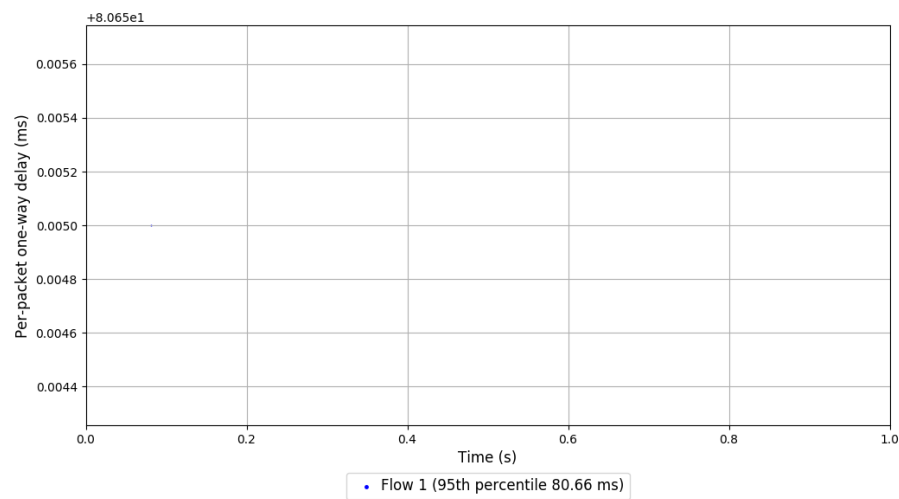
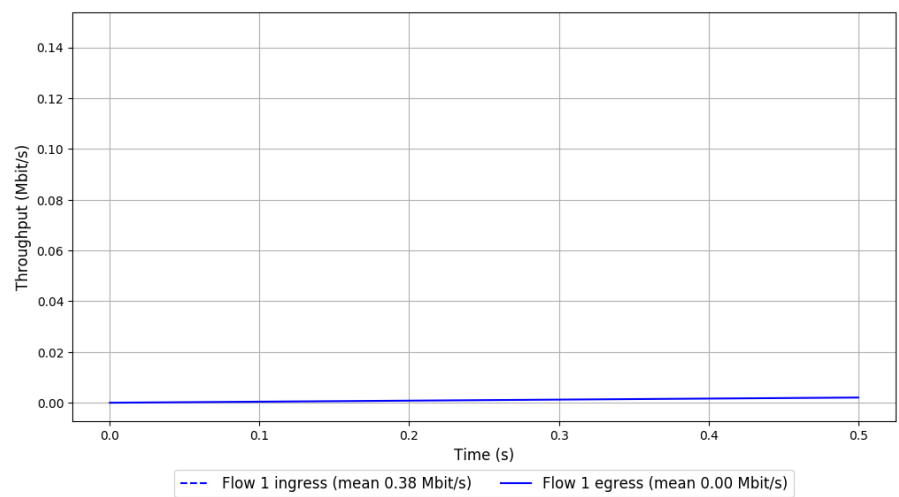
Start at: 2019-03-08 22:31:25

End at: 2019-03-08 22:31:55

Local clock offset: -5.689 ms

Remote clock offset: -0.417 ms

Run 3: Report of Copa — Data Link



Run 4: Statistics of Copa

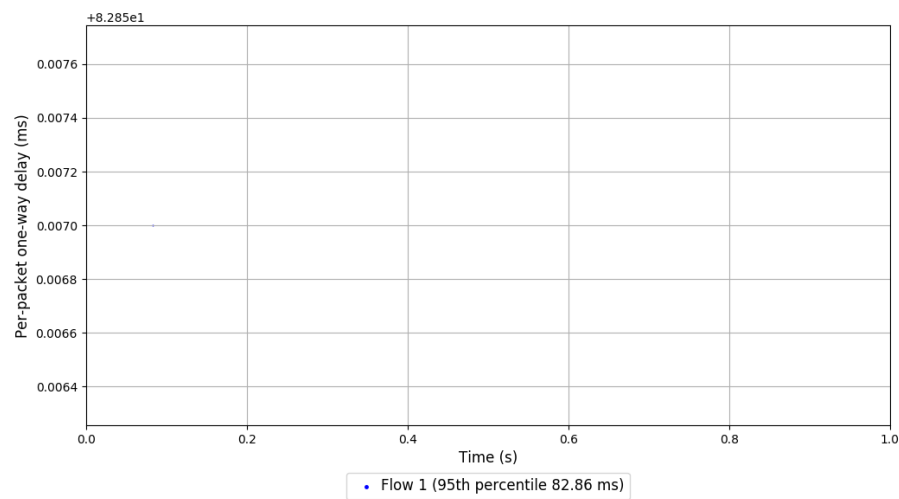
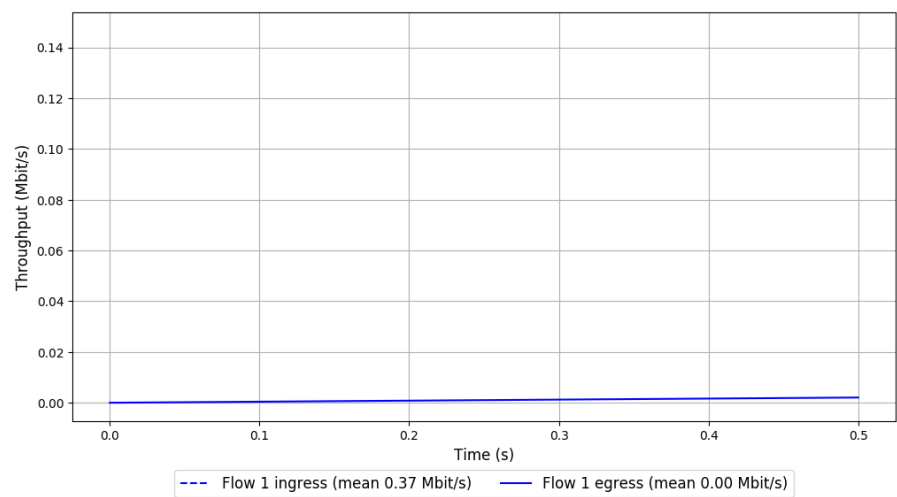
Start at: 2019-03-08 22:56:09

End at: 2019-03-08 22:56:39

Local clock offset: -6.023 ms

Remote clock offset: 0.726 ms

Run 4: Report of Copa — Data Link



Run 5: Statistics of Copa

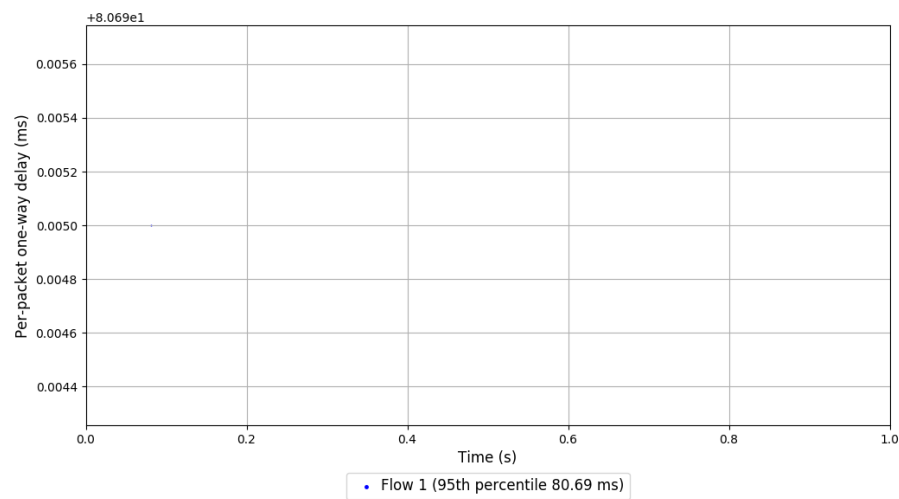
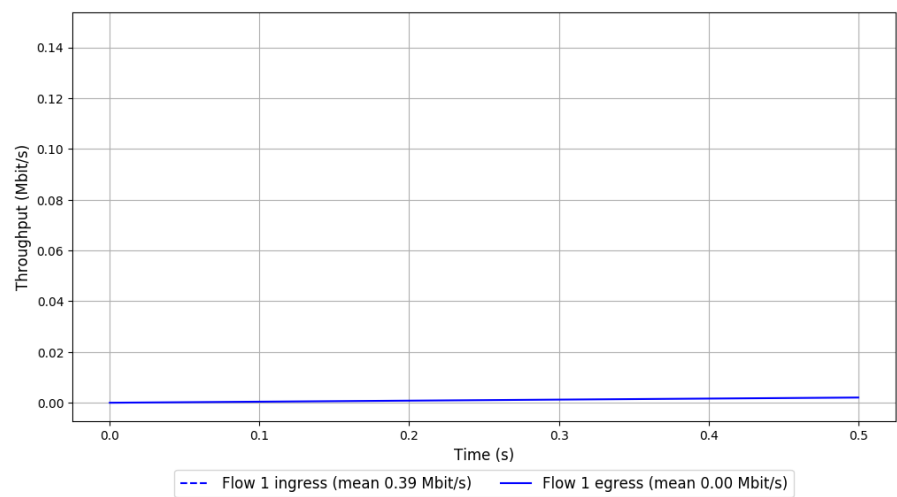
Start at: 2019-03-08 23:20:57

End at: 2019-03-08 23:21:27

Local clock offset: -6.137 ms

Remote clock offset: 8.757 ms

Run 5: Report of Copa — Data Link



Run 1: Statistics of TCP Cubic

Start at: 2019-03-08 21:30:14

End at: 2019-03-08 21:30:44

Local clock offset: -6.987 ms

Remote clock offset: 2.247 ms

Below is generated by plot.py at 2019-03-08 23:25:11

Datalink statistics

-- Total of 1 flow:

Average throughput: 73.70 Mbit/s

95th percentile per-packet one-way delay: 92.149 ms

Loss rate: 0.57%

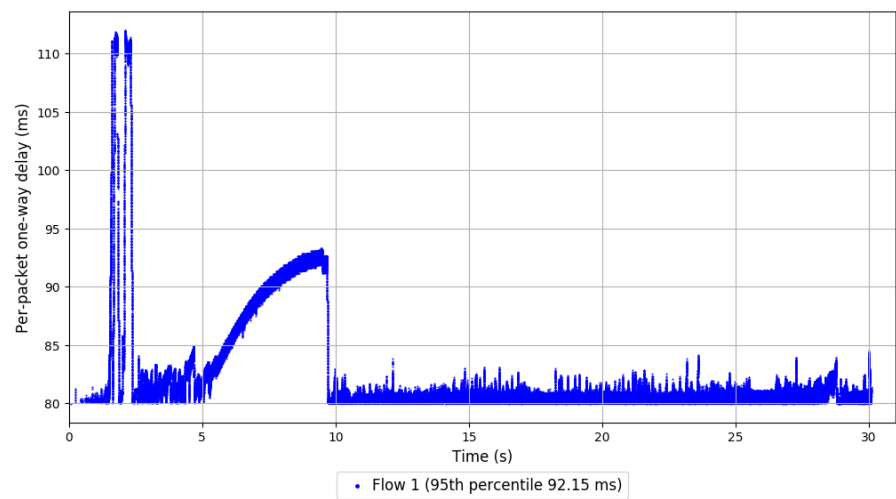
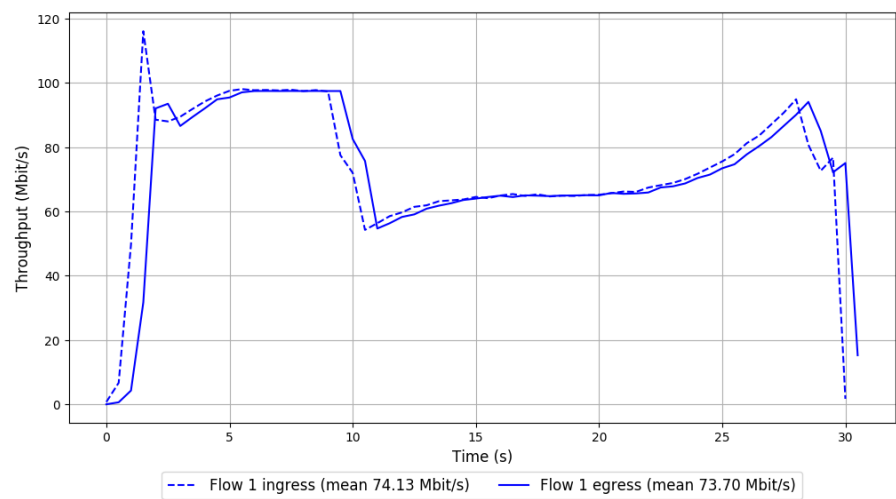
-- Flow 1:

Average throughput: 73.70 Mbit/s

95th percentile per-packet one-way delay: 92.149 ms

Loss rate: 0.57%

Run 1: Report of TCP Cubic — Data Link



Run 2: Statistics of TCP Cubic

Start at: 2019-03-08 21:54:55

End at: 2019-03-08 21:55:25

Local clock offset: -5.976 ms

Remote clock offset: 5.514 ms

Below is generated by plot.py at 2019-03-08 23:25:12

Datalink statistics

-- Total of 1 flow:

Average throughput: 90.91 Mbit/s

95th percentile per-packet one-way delay: 113.699 ms

Loss rate: 0.45%

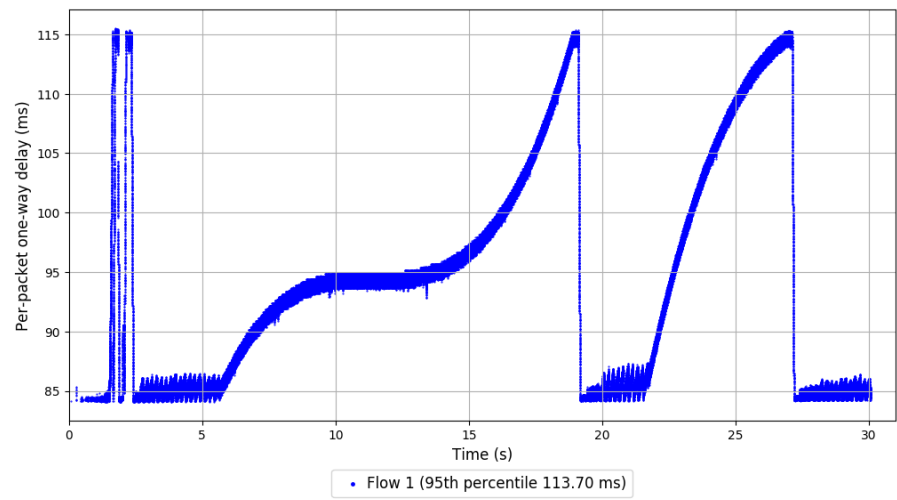
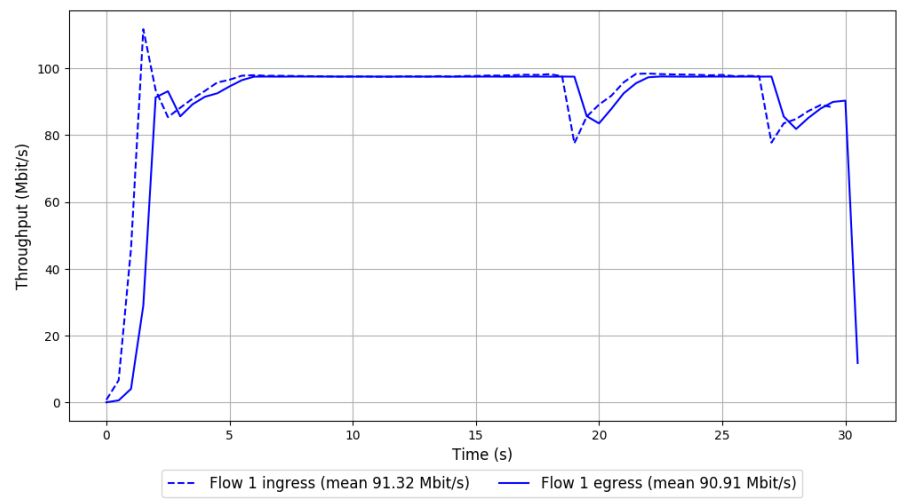
-- Flow 1:

Average throughput: 90.91 Mbit/s

95th percentile per-packet one-way delay: 113.699 ms

Loss rate: 0.45%

Run 2: Report of TCP Cubic — Data Link



Run 3: Statistics of TCP Cubic

Start at: 2019-03-08 22:19:35

End at: 2019-03-08 22:20:05

Local clock offset: -6.019 ms

Remote clock offset: 1.29 ms

Below is generated by plot.py at 2019-03-08 23:25:12

Datalink statistics

-- Total of 1 flow:

Average throughput: 90.93 Mbit/s

95th percentile per-packet one-way delay: 111.984 ms

Loss rate: 0.46%

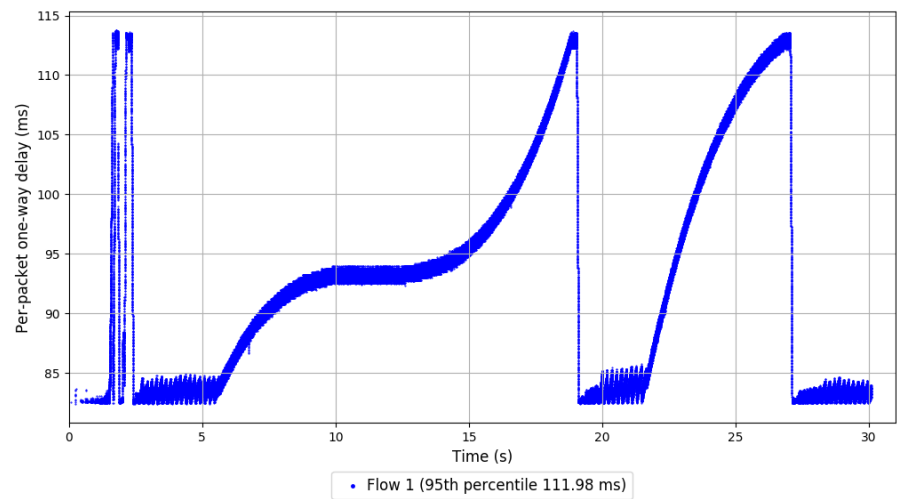
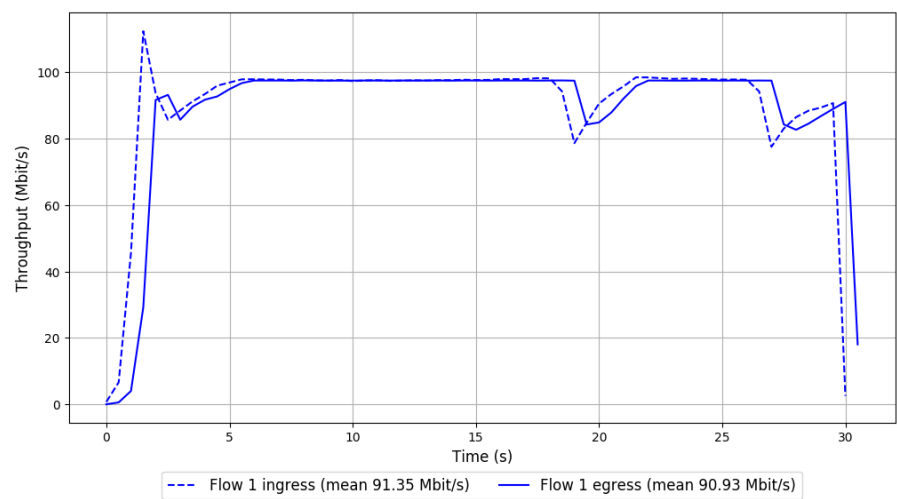
-- Flow 1:

Average throughput: 90.93 Mbit/s

95th percentile per-packet one-way delay: 111.984 ms

Loss rate: 0.46%

Run 3: Report of TCP Cubic — Data Link



Run 4: Statistics of TCP Cubic

Start at: 2019-03-08 22:44:19

End at: 2019-03-08 22:44:49

Local clock offset: -4.847 ms

Remote clock offset: 0.857 ms

Below is generated by plot.py at 2019-03-08 23:25:54

Datalink statistics

-- Total of 1 flow:

Average throughput: 90.99 Mbit/s

95th percentile per-packet one-way delay: 110.548 ms

Loss rate: 0.46%

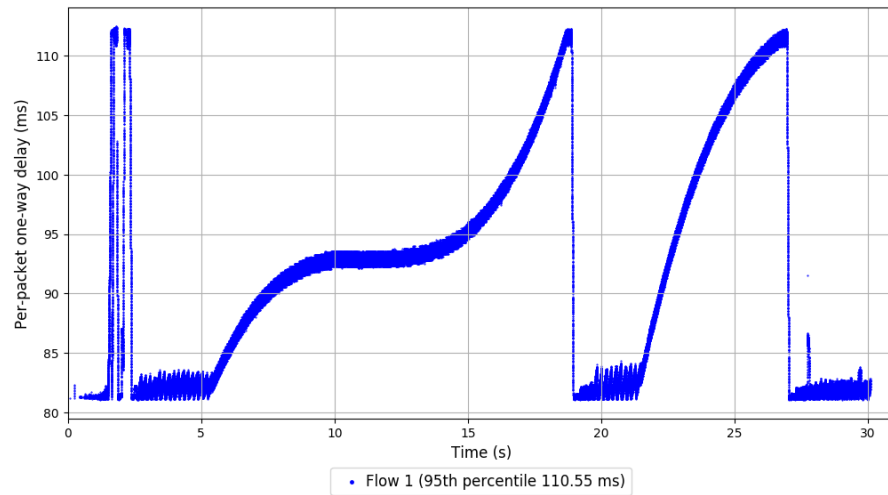
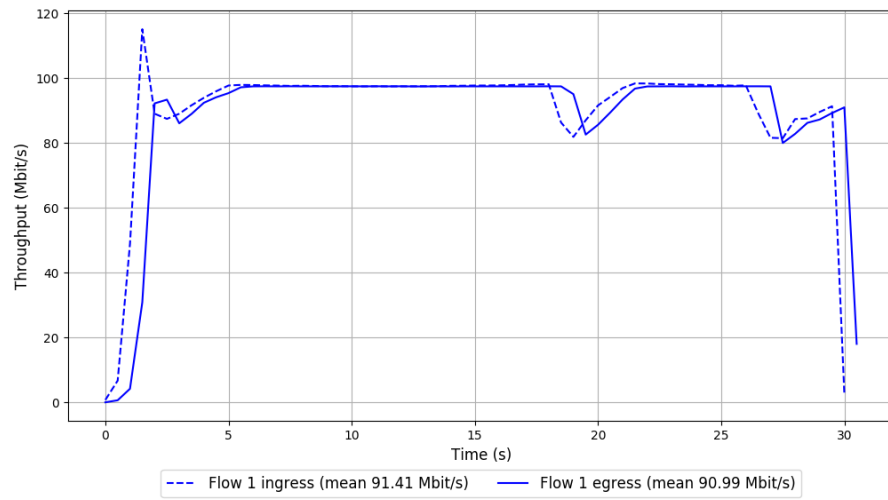
-- Flow 1:

Average throughput: 90.99 Mbit/s

95th percentile per-packet one-way delay: 110.548 ms

Loss rate: 0.46%

Run 4: Report of TCP Cubic — Data Link



Run 5: Statistics of TCP Cubic

Start at: 2019-03-08 23:09:02

End at: 2019-03-08 23:09:32

Local clock offset: -5.456 ms

Remote clock offset: 7.921 ms

Below is generated by plot.py at 2019-03-08 23:26:16

Datalink statistics

-- Total of 1 flow:

Average throughput: 85.74 Mbit/s

95th percentile per-packet one-way delay: 96.425 ms

Loss rate: 0.48%

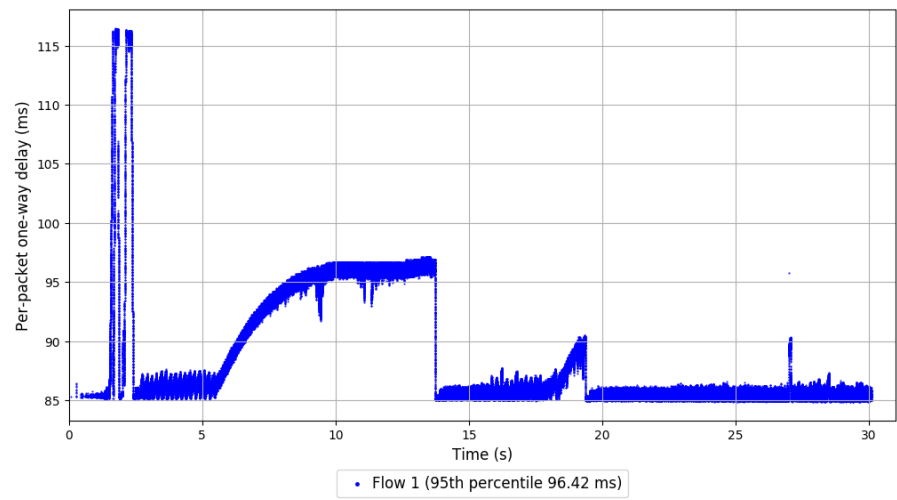
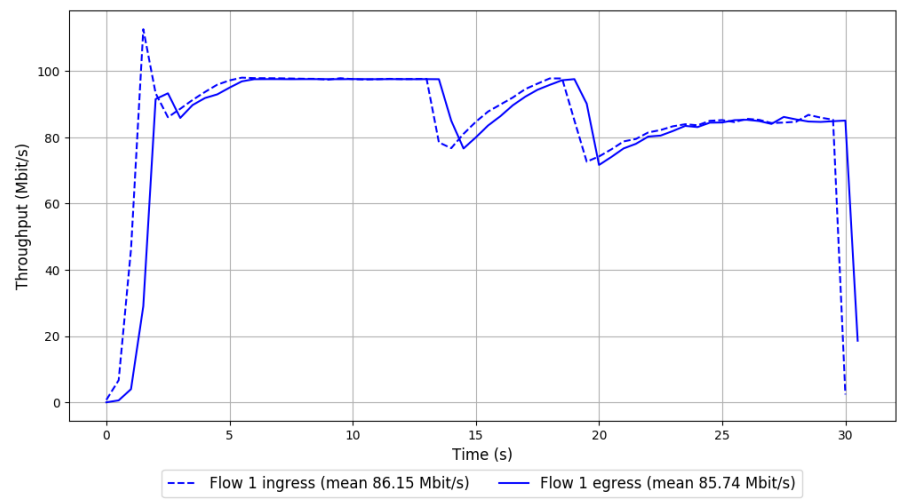
-- Flow 1:

Average throughput: 85.74 Mbit/s

95th percentile per-packet one-way delay: 96.425 ms

Loss rate: 0.48%

Run 5: Report of TCP Cubic — Data Link



Run 1: Statistics of FillP

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

End at: 2019-03-08 21:36:38

Local clock offset: -7.889 ms

Remote clock offset: 1.409 ms

Below is generated by plot.py at 2019-03-08 23:26:30

Datalink statistics

-- Total of 1 flow:

Average throughput: 92.63 Mbit/s

95th percentile per-packet one-way delay: 97.437 ms

Loss rate: 1.03%

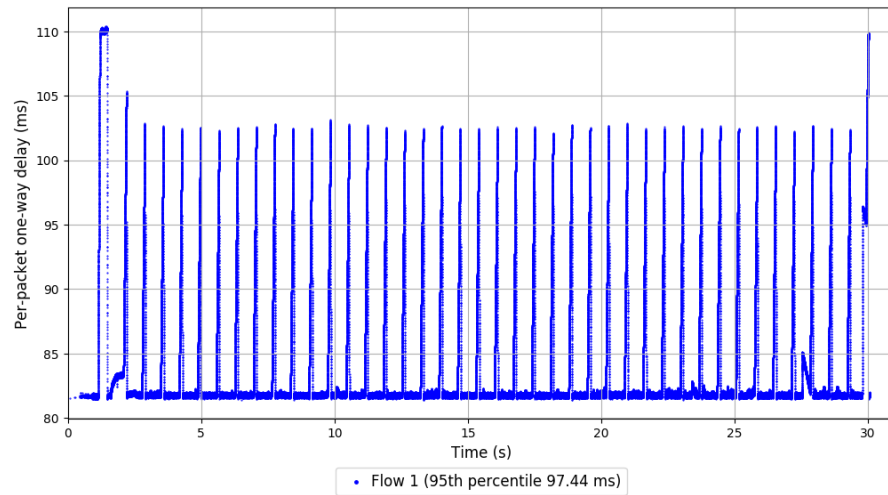
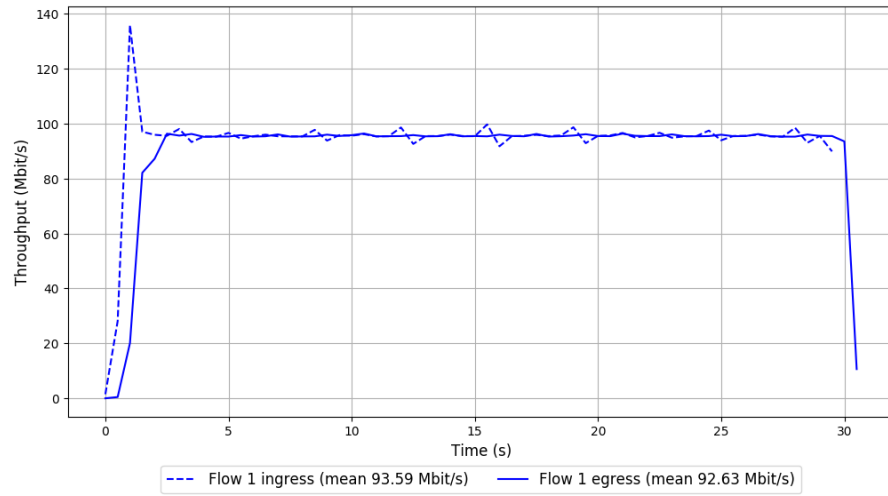
-- Flow 1:

Average throughput: 92.63 Mbit/s

95th percentile per-packet one-way delay: 97.437 ms

Loss rate: 1.03%

Run 1: Report of FillP — Data Link



Run 2: Statistics of FillP

Start at: 2019-03-08 22:00:50

End at: 2019-03-08 22:01:20

Local clock offset: -6.476 ms

Remote clock offset: 1.055 ms

Below is generated by plot.py at 2019-03-08 23:26:30

Datalink statistics

-- Total of 1 flow:

Average throughput: 92.73 Mbit/s

95th percentile per-packet one-way delay: 97.281 ms

Loss rate: 0.99%

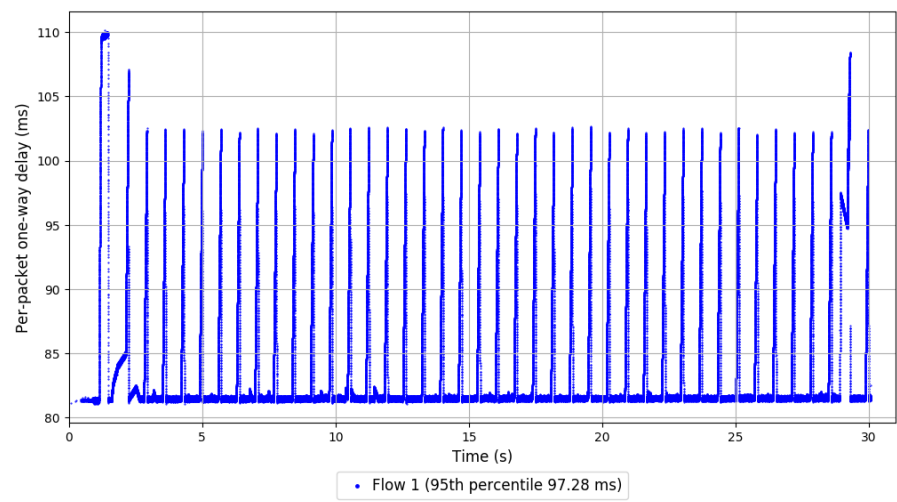
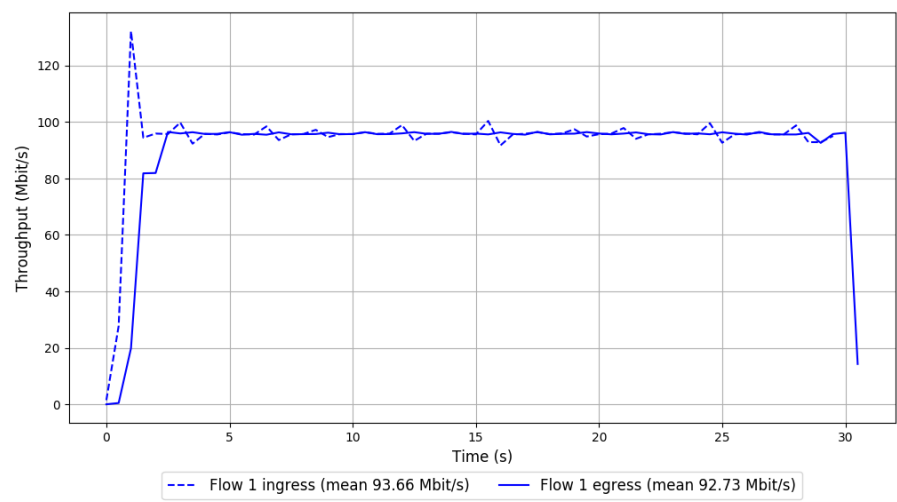
-- Flow 1:

Average throughput: 92.73 Mbit/s

95th percentile per-packet one-way delay: 97.281 ms

Loss rate: 0.99%

Run 2: Report of FillP — Data Link



Run 3: Statistics of FillP

Start at: 2019-03-08 22:25:30

End at: 2019-03-08 22:26:00

Local clock offset: -5.035 ms

Remote clock offset: 4.876 ms

Below is generated by plot.py at 2019-03-08 23:26:31

Datalink statistics

-- Total of 1 flow:

Average throughput: 92.70 Mbit/s

95th percentile per-packet one-way delay: 102.293 ms

Loss rate: 0.79%

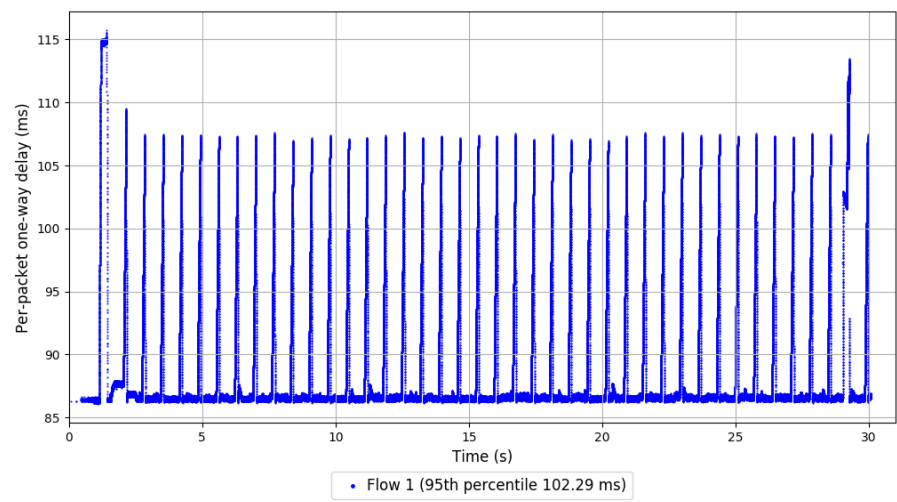
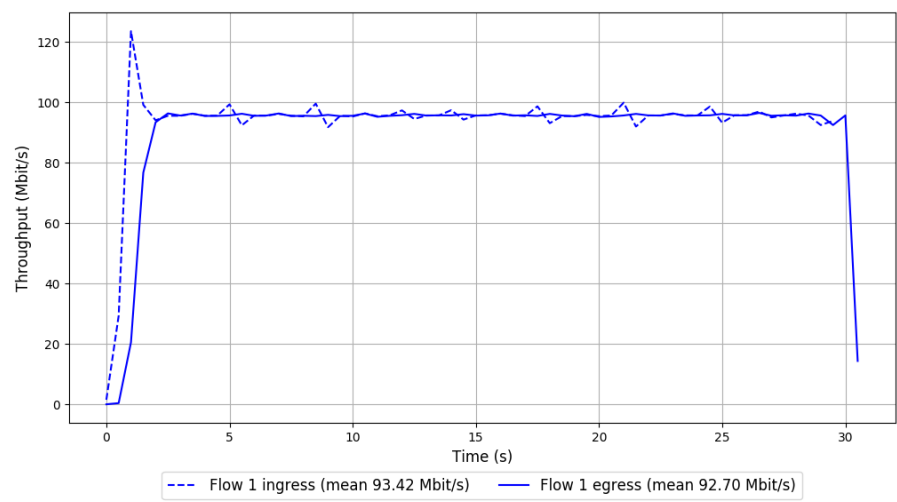
-- Flow 1:

Average throughput: 92.70 Mbit/s

95th percentile per-packet one-way delay: 102.293 ms

Loss rate: 0.79%

Run 3: Report of FillP — Data Link



Run 4: Statistics of FillP

Start at: 2019-03-08 22:50:15

End at: 2019-03-08 22:50:45

Local clock offset: -5.178 ms

Remote clock offset: 4.616 ms

Below is generated by plot.py at 2019-03-08 23:26:33

Datalink statistics

-- Total of 1 flow:

Average throughput: 92.92 Mbit/s

95th percentile per-packet one-way delay: 99.049 ms

Loss rate: 0.98%

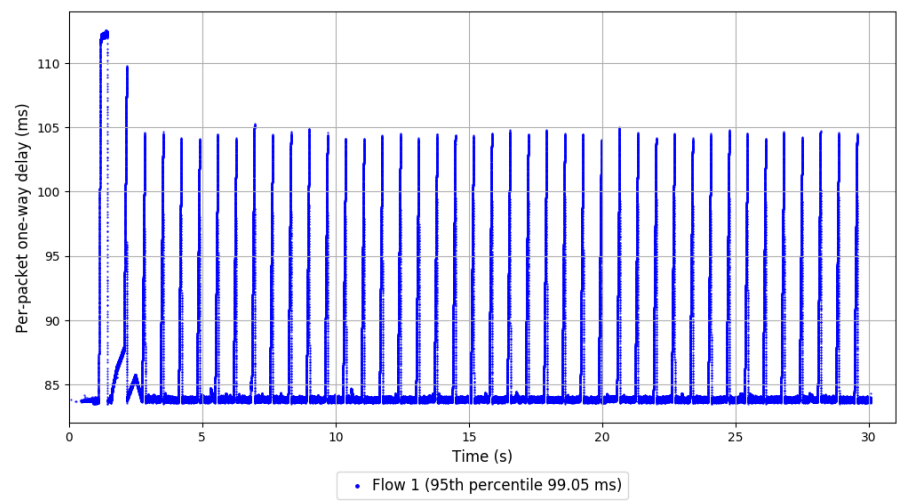
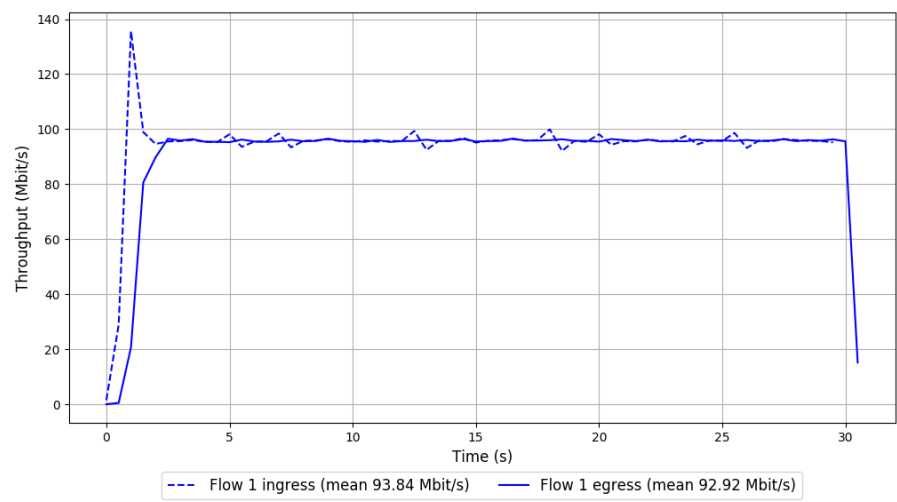
-- Flow 1:

Average throughput: 92.92 Mbit/s

95th percentile per-packet one-way delay: 99.049 ms

Loss rate: 0.98%

Run 4: Report of FillP — Data Link



Run 5: Statistics of FillP

Start at: 2019-03-08 23:14:57

End at: 2019-03-08 23:15:27

Local clock offset: -5.504 ms

Remote clock offset: 5.925 ms

Below is generated by plot.py at 2019-03-08 23:26:33

Datalink statistics

-- Total of 1 flow:

Average throughput: 92.83 Mbit/s

95th percentile per-packet one-way delay: 94.799 ms

Loss rate: 1.00%

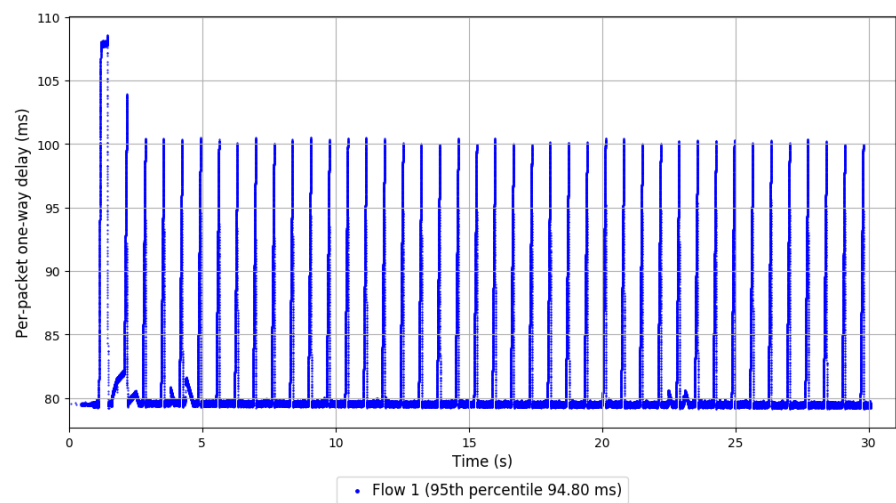
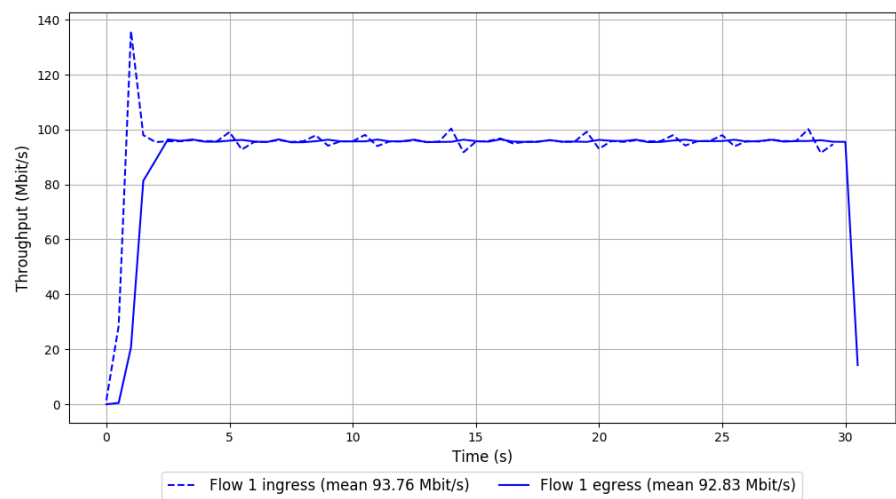
-- Flow 1:

Average throughput: 92.83 Mbit/s

95th percentile per-packet one-way delay: 94.799 ms

Loss rate: 1.00%

Run 5: Report of FillP — Data Link



Run 1: Statistics of FillP-Sheep

Start at: 2019-03-08 21:40:50

End at: 2019-03-08 21:41:20

Local clock offset: -7.316 ms

Remote clock offset: 1.691 ms

Below is generated by plot.py at 2019-03-08 23:26:33

Datalink statistics

-- Total of 1 flow:

Average throughput: 91.25 Mbit/s

95th percentile per-packet one-way delay: 94.356 ms

Loss rate: 0.99%

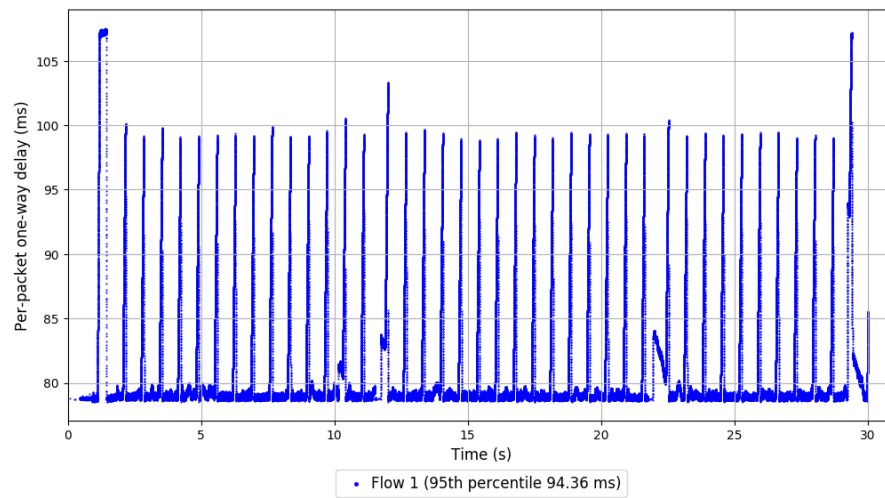
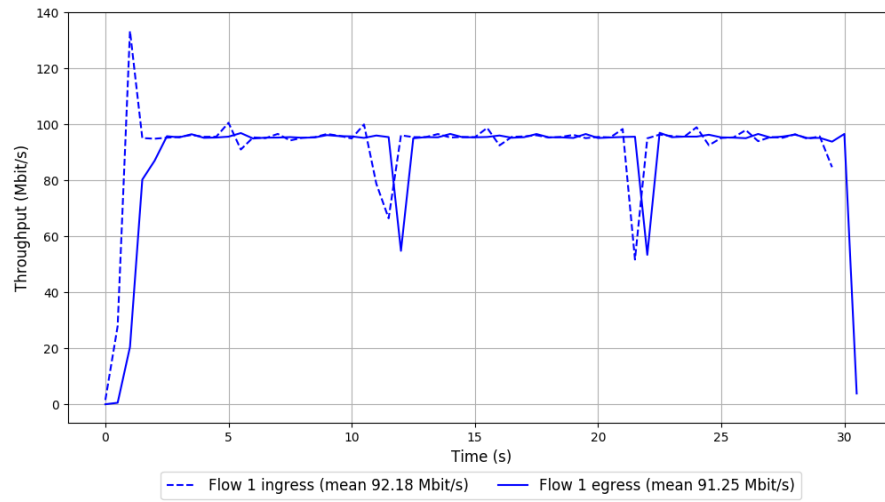
-- Flow 1:

Average throughput: 91.25 Mbit/s

95th percentile per-packet one-way delay: 94.356 ms

Loss rate: 0.99%

Run 1: Report of FillP-Sheep — Data Link



Run 2: Statistics of FillP-Sheep

Start at: 2019-03-08 22:05:34

End at: 2019-03-08 22:06:04

Local clock offset: -5.66 ms

Remote clock offset: 5.502 ms

Below is generated by plot.py at 2019-03-08 23:26:39

Datalink statistics

-- Total of 1 flow:

Average throughput: 37.58 Mbit/s

95th percentile per-packet one-way delay: 100.242 ms

Loss rate: 2.52%

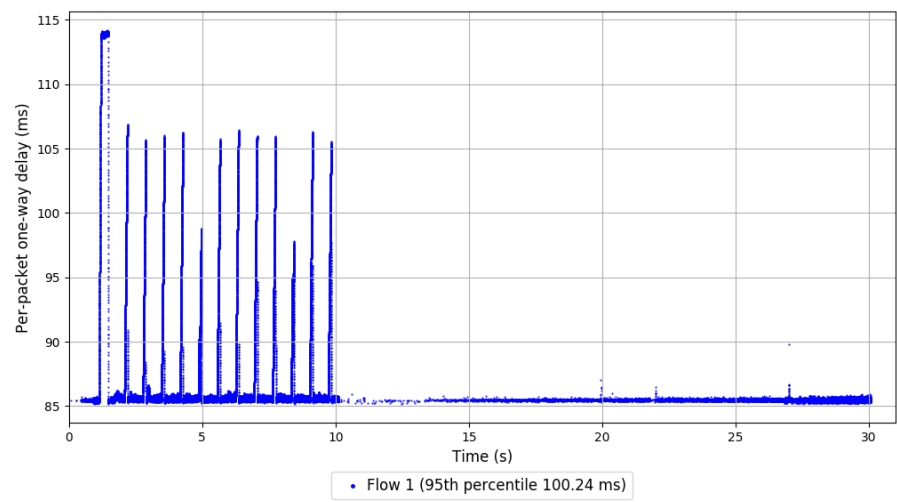
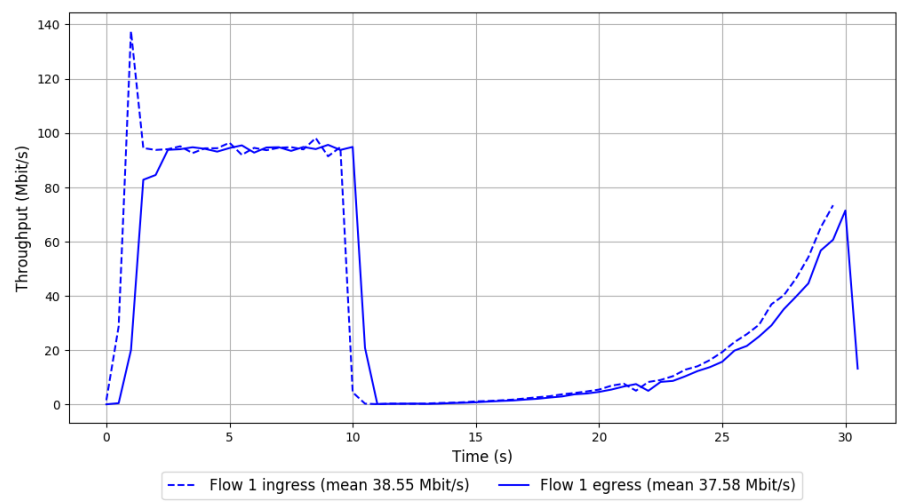
-- Flow 1:

Average throughput: 37.58 Mbit/s

95th percentile per-packet one-way delay: 100.242 ms

Loss rate: 2.52%

Run 2: Report of FillP-Sheep — Data Link



Run 3: Statistics of FillP-Sheep

Start at: 2019-03-08 22:30:14

End at: 2019-03-08 22:30:44

Local clock offset: -5.014 ms

Remote clock offset: -0.09 ms

Below is generated by plot.py at 2019-03-08 23:27:34

Datalink statistics

-- Total of 1 flow:

Average throughput: 90.91 Mbit/s

95th percentile per-packet one-way delay: 99.182 ms

Loss rate: 1.19%

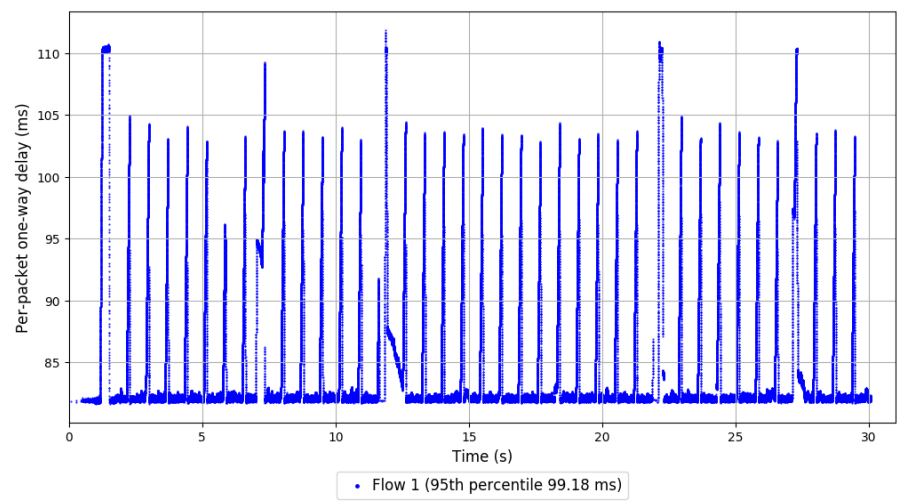
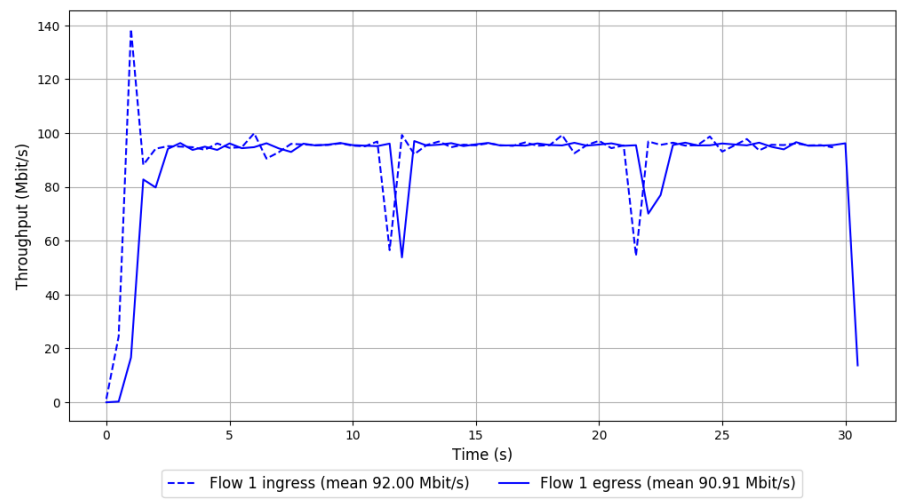
-- Flow 1:

Average throughput: 90.91 Mbit/s

95th percentile per-packet one-way delay: 99.182 ms

Loss rate: 1.19%

Run 3: Report of FillP-Sheep — Data Link



Run 4: Statistics of FillP-Sheep

Start at: 2019-03-08 22:54:57

End at: 2019-03-08 22:55:27

Local clock offset: -6.06 ms

Remote clock offset: 3.146 ms

Below is generated by plot.py at 2019-03-08 23:27:47

Datalink statistics

-- Total of 1 flow:

Average throughput: 88.55 Mbit/s

95th percentile per-packet one-way delay: 100.656 ms

Loss rate: 1.01%

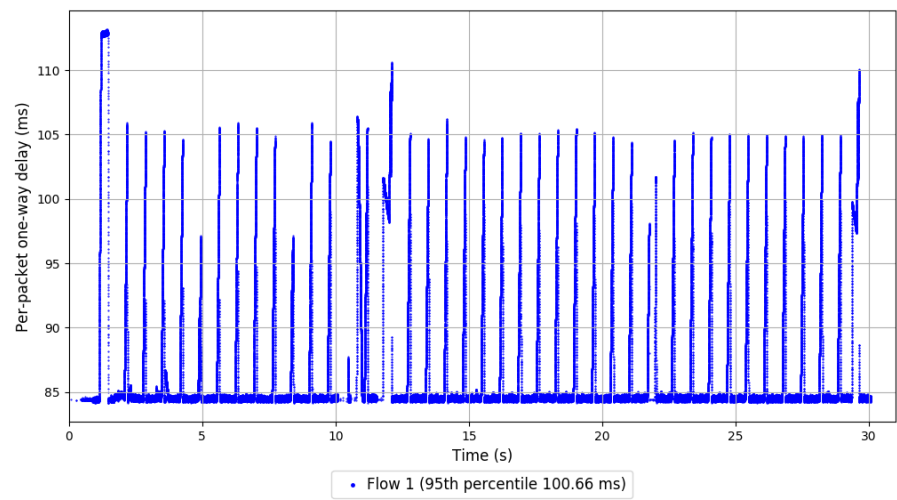
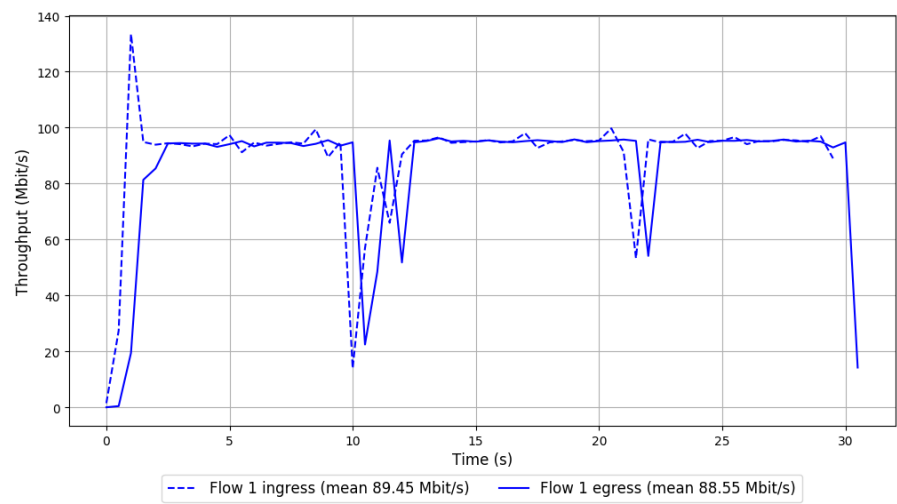
-- Flow 1:

Average throughput: 88.55 Mbit/s

95th percentile per-packet one-way delay: 100.656 ms

Loss rate: 1.01%

Run 4: Report of FillP-Sheep — Data Link



Run 5: Statistics of FillP-Sheep

Start at: 2019-03-08 23:19:41

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

Local clock offset: -6.096 ms

Remote clock offset: 7.348 ms

Below is generated by plot.py at 2019-03-08 23:27:49

Datalink statistics

-- Total of 1 flow:

Average throughput: 90.90 Mbit/s

95th percentile per-packet one-way delay: 98.837 ms

Loss rate: 1.06%

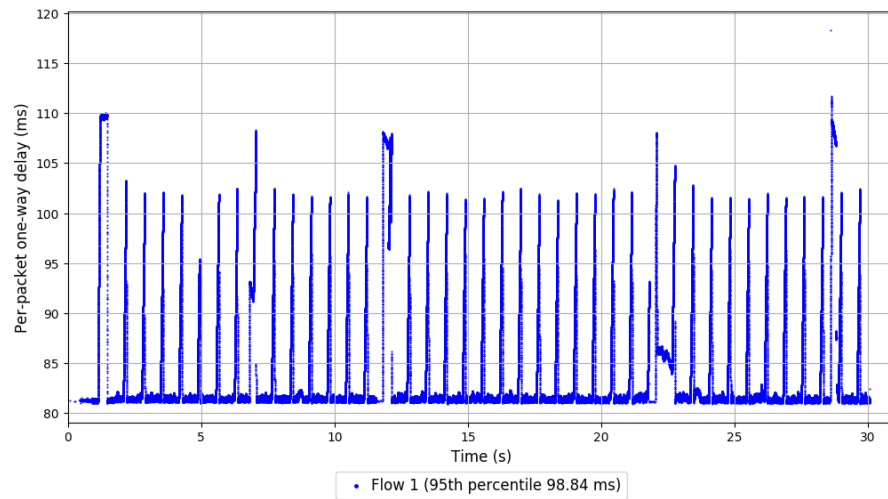
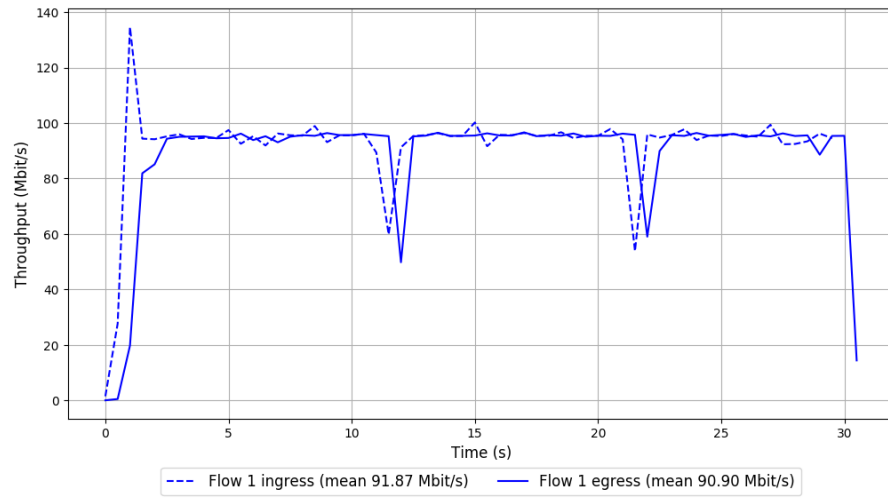
-- Flow 1:

Average throughput: 90.90 Mbit/s

95th percentile per-packet one-way delay: 98.837 ms

Loss rate: 1.06%

Run 5: Report of FillP-Sheep — Data Link



Run 1: Statistics of Indigo

Start at: 2019-03-08 21:43:09

End at: 2019-03-08 21:43:39

Local clock offset: -8.177 ms

Remote clock offset: 1.742 ms

Below is generated by plot.py at 2019-03-08 23:27:49

Datalink statistics

-- Total of 1 flow:

Average throughput: 92.32 Mbit/s

95th percentile per-packet one-way delay: 84.806 ms

Loss rate: 0.69%

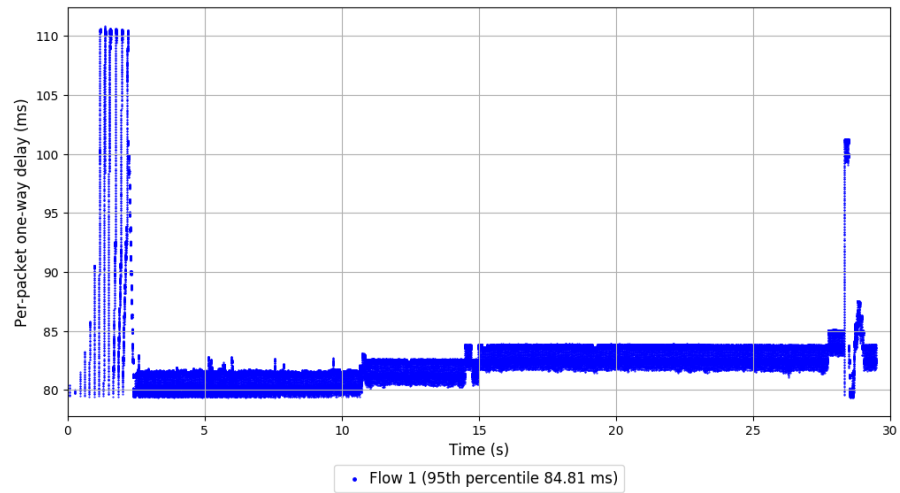
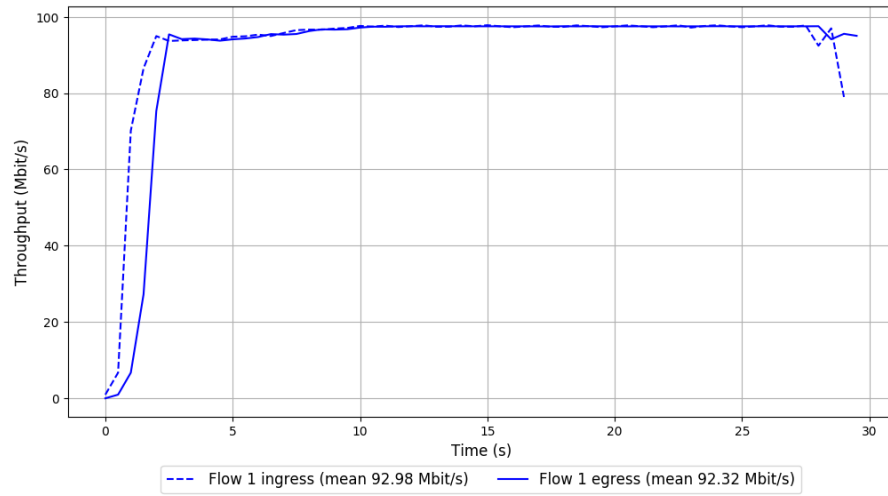
-- Flow 1:

Average throughput: 92.32 Mbit/s

95th percentile per-packet one-way delay: 84.806 ms

Loss rate: 0.69%

Run 1: Report of Indigo — Data Link



Run 2: Statistics of Indigo

Start at: 2019-03-08 22:07:50

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

Local clock offset: -5.635 ms

Remote clock offset: 4.434 ms

Below is generated by plot.py at 2019-03-08 23:27:49

Datalink statistics

-- Total of 1 flow:

Average throughput: 91.33 Mbit/s

95th percentile per-packet one-way delay: 86.522 ms

Loss rate: 1.13%

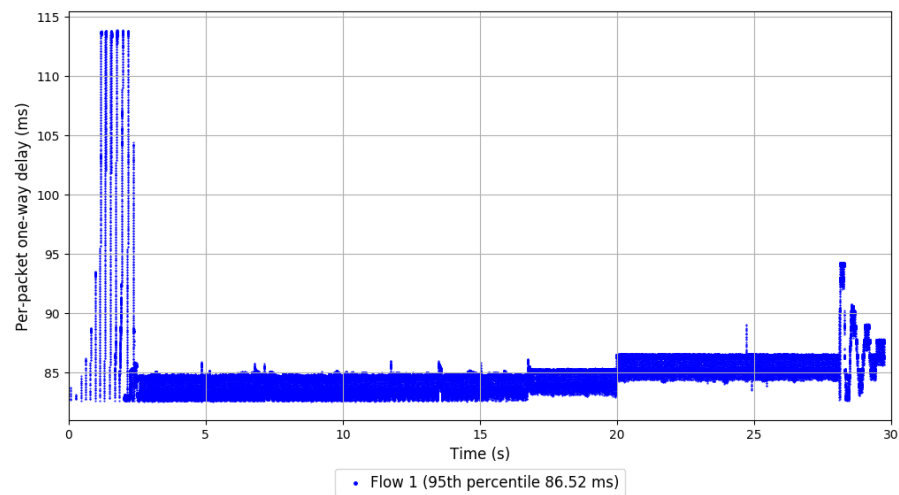
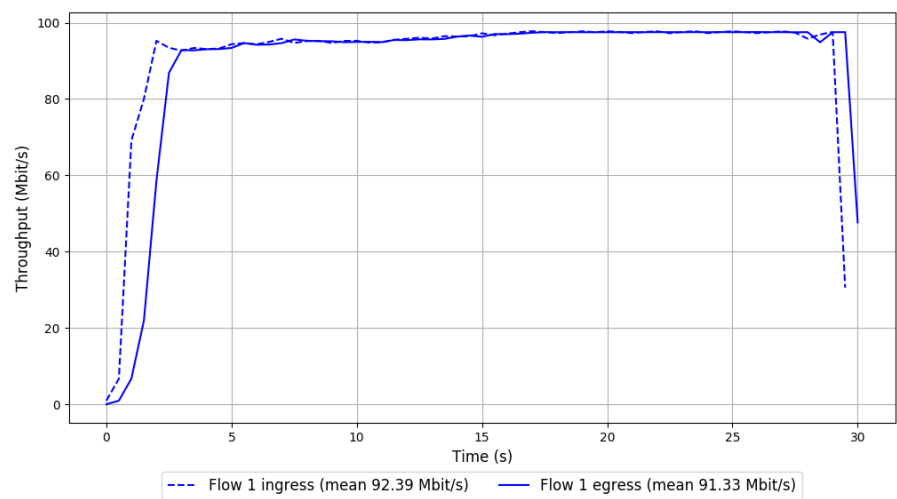
-- Flow 1:

Average throughput: 91.33 Mbit/s

95th percentile per-packet one-way delay: 86.522 ms

Loss rate: 1.13%

Run 2: Report of Indigo — Data Link

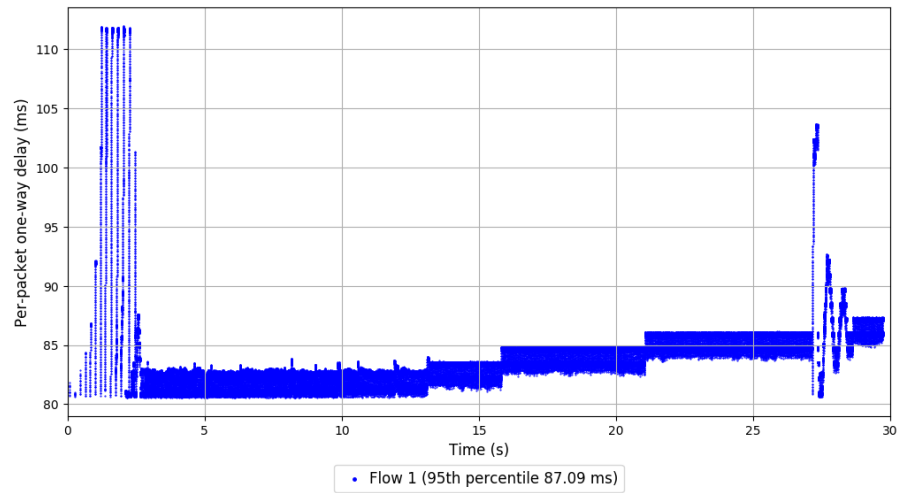
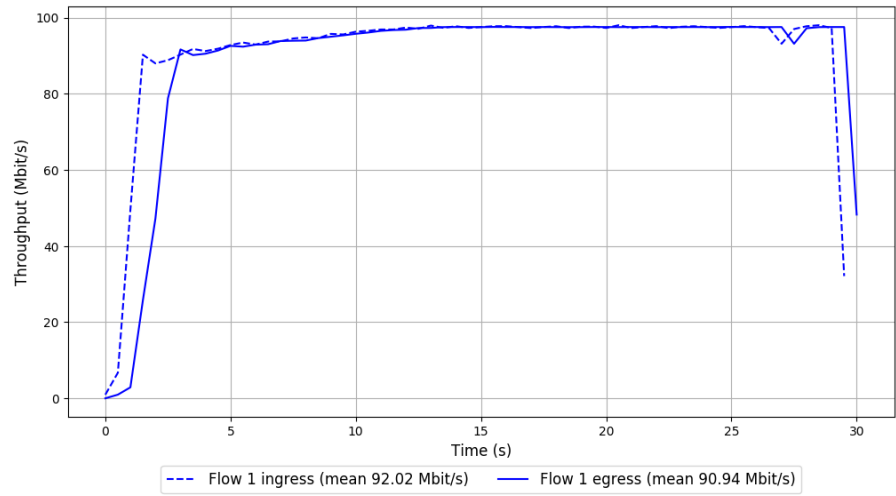


Run 3: Statistics of Indigo

Start at: 2019-03-08 22:32:32
End at: 2019-03-08 22:33:02
Local clock offset: -4.929 ms
Remote clock offset: -0.025 ms

Below is generated by plot.py at 2019-03-08 23:27:49
Datalink statistics
-- Total of 1 flow:
Average throughput: 90.94 Mbit/s
95th percentile per-packet one-way delay: 87.092 ms
Loss rate: 1.16%
-- Flow 1:
Average throughput: 90.94 Mbit/s
95th percentile per-packet one-way delay: 87.092 ms
Loss rate: 1.16%

Run 3: Report of Indigo — Data Link



Run 4: Statistics of Indigo

Start at: 2019-03-08 22:57:16

End at: 2019-03-08 22:57:46

Local clock offset: -5.363 ms

Remote clock offset: 4.575 ms

Below is generated by plot.py at 2019-03-08 23:27:49

Datalink statistics

-- Total of 1 flow:

Average throughput: 91.58 Mbit/s

95th percentile per-packet one-way delay: 89.356 ms

Loss rate: 1.12%

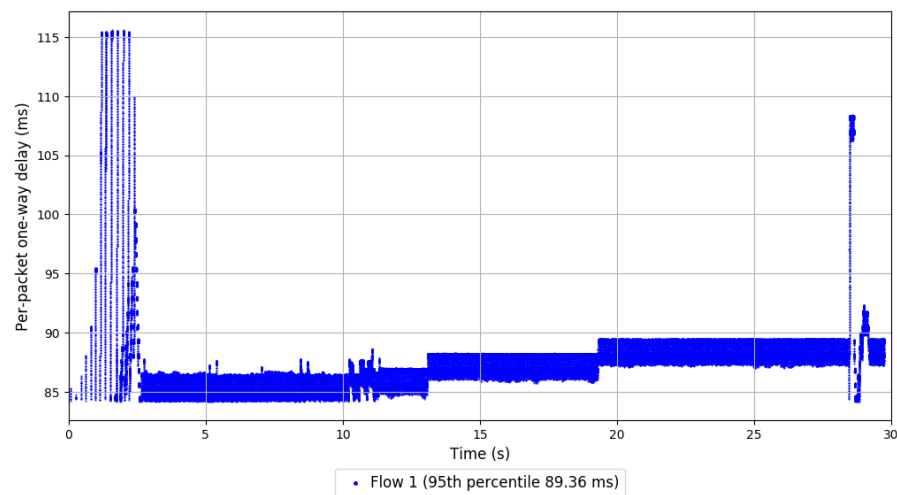
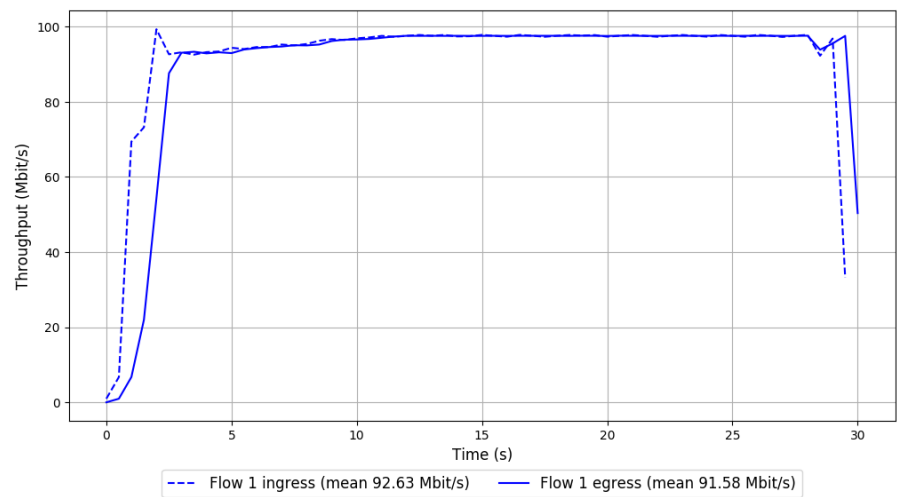
-- Flow 1:

Average throughput: 91.58 Mbit/s

95th percentile per-packet one-way delay: 89.356 ms

Loss rate: 1.12%

Run 4: Report of Indigo — Data Link



Run 5: Statistics of Indigo

Start at: 2019-03-08 23:22:04

End at: 2019-03-08 23:22:34

Local clock offset: -6.064 ms

Remote clock offset: 8.93 ms

Below is generated by plot.py at 2019-03-08 23:27:49

Datalink statistics

-- Total of 1 flow:

Average throughput: 90.61 Mbit/s

95th percentile per-packet one-way delay: 89.544 ms

Loss rate: 1.11%

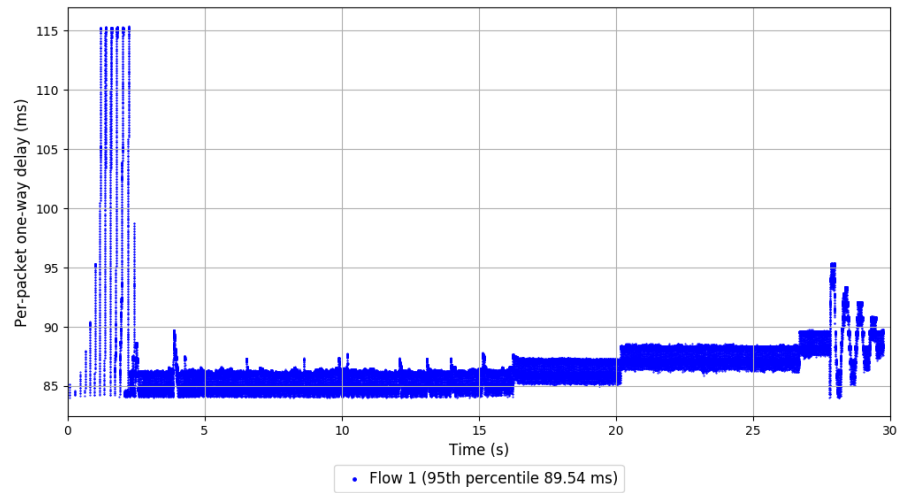
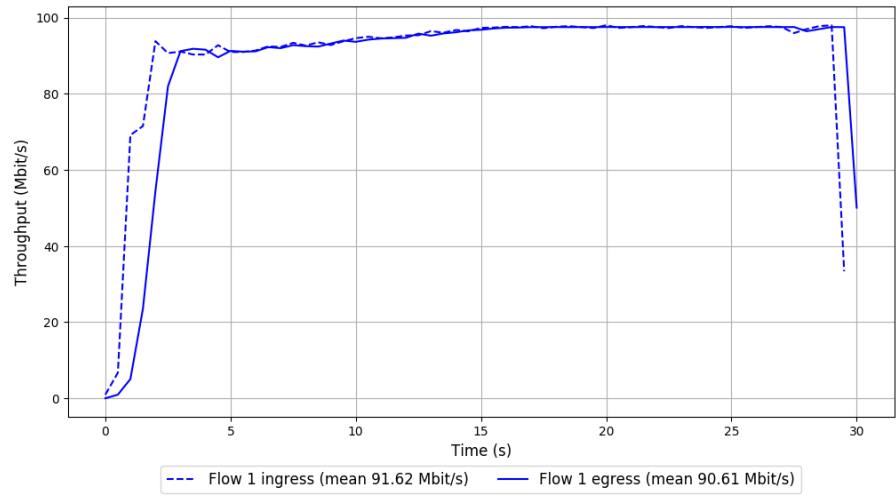
-- Flow 1:

Average throughput: 90.61 Mbit/s

95th percentile per-packet one-way delay: 89.544 ms

Loss rate: 1.11%

Run 5: Report of Indigo — Data Link



Run 1: Statistics of Indigo-MusesC3

Start at: 2019-03-08 21:19:41

End at: 2019-03-08 21:20:11

Local clock offset: -7.59 ms

Remote clock offset: 6.478 ms

Below is generated by plot.py at 2019-03-08 23:28:32

Datalink statistics

-- Total of 1 flow:

Average throughput: 93.14 Mbit/s

95th percentile per-packet one-way delay: 105.121 ms

Loss rate: 0.25%

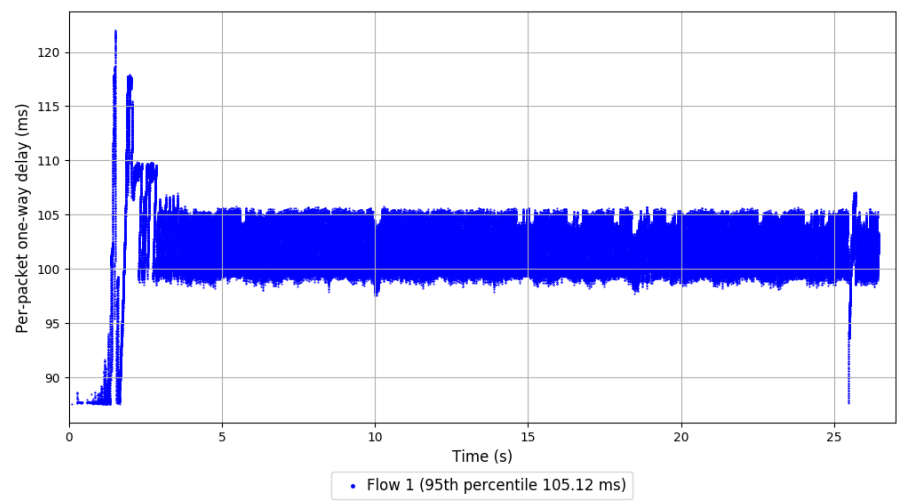
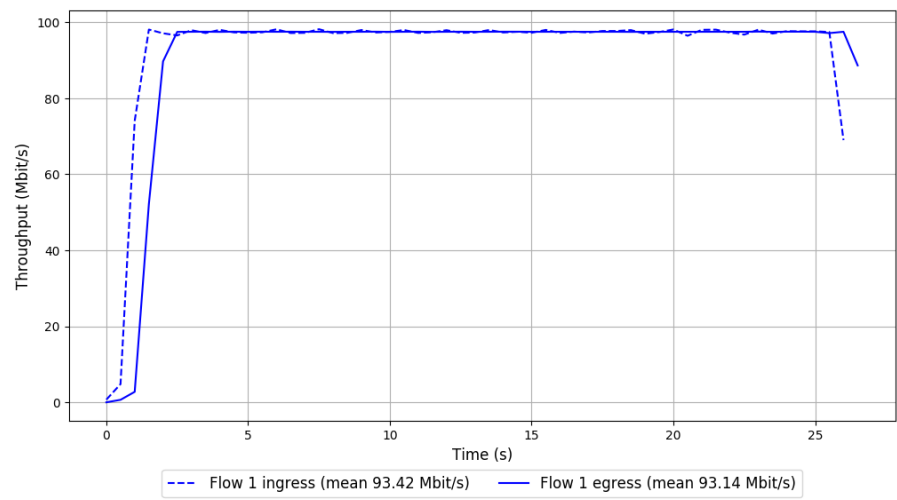
-- Flow 1:

Average throughput: 93.14 Mbit/s

95th percentile per-packet one-way delay: 105.121 ms

Loss rate: 0.25%

Run 1: Report of Indigo-MusesC3 — Data Link



Run 2: Statistics of Indigo-MusesC3

Start at: 2019-03-08 21:44:22

End at: 2019-03-08 21:44:52

Local clock offset: -8.305 ms

Remote clock offset: 2.88 ms

Below is generated by plot.py at 2019-03-08 23:28:44

Datalink statistics

-- Total of 1 flow:

Average throughput: 95.21 Mbit/s

95th percentile per-packet one-way delay: 95.142 ms

Loss rate: 0.27%

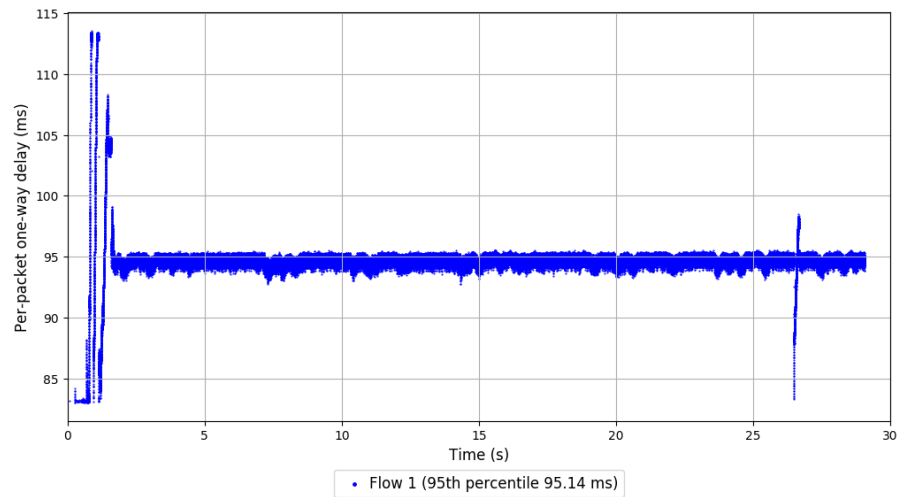
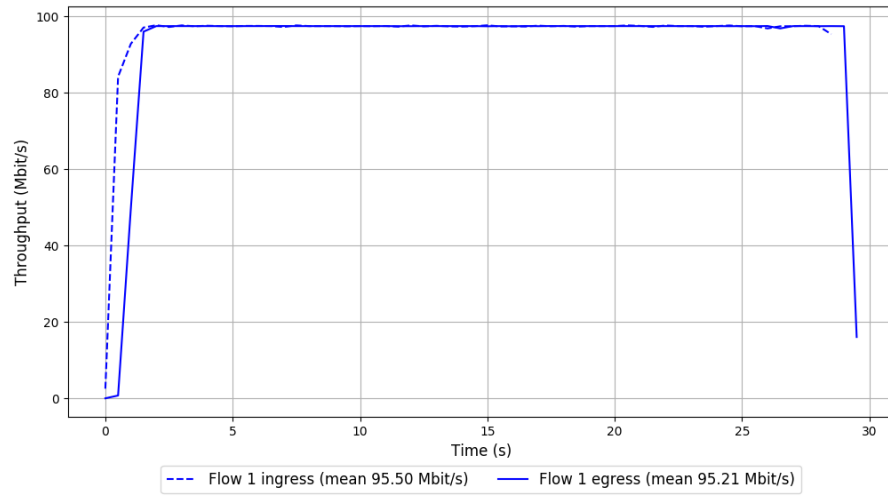
-- Flow 1:

Average throughput: 95.21 Mbit/s

95th percentile per-packet one-way delay: 95.142 ms

Loss rate: 0.27%

Run 2: Report of Indigo-MusesC3 — Data Link



Run 3: Statistics of Indigo-MusesC3

Start at: 2019-03-08 22:09:04

End at: 2019-03-08 22:09:34

Local clock offset: -6.389 ms

Remote clock offset: 4.194 ms

Below is generated by plot.py at 2019-03-08 23:28:45

Datalink statistics

-- Total of 1 flow:

Average throughput: 95.23 Mbit/s

95th percentile per-packet one-way delay: 101.389 ms

Loss rate: 0.02%

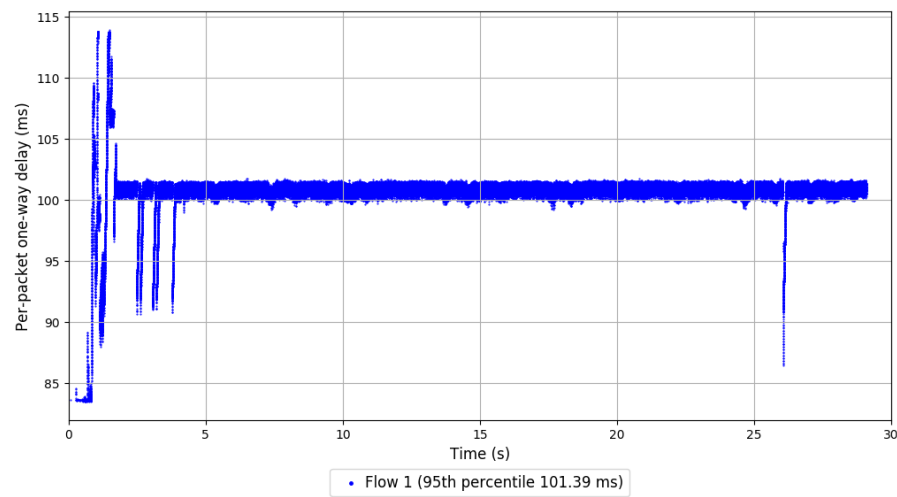
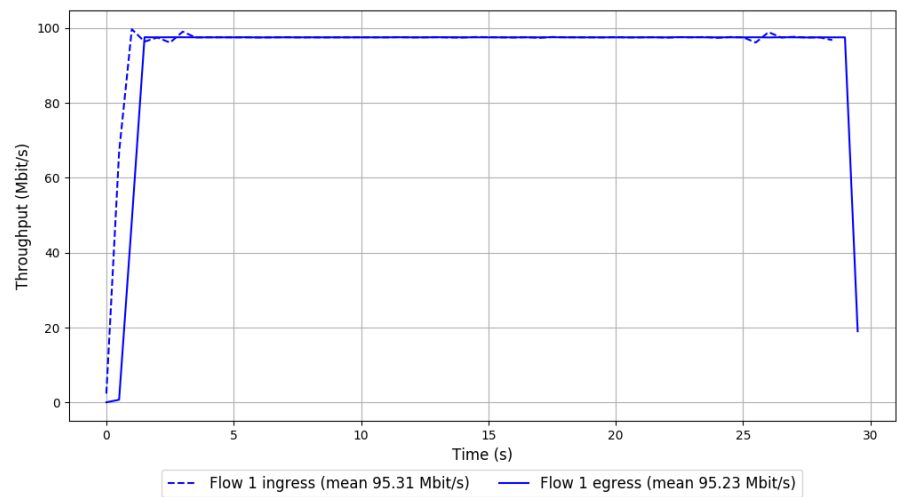
-- Flow 1:

Average throughput: 95.23 Mbit/s

95th percentile per-packet one-way delay: 101.389 ms

Loss rate: 0.02%

Run 3: Report of Indigo-MusesC3 — Data Link



Run 4: Statistics of Indigo-MusesC3

Start at: 2019-03-08 22:33:45

End at: 2019-03-08 22:34:15

Local clock offset: -4.883 ms

Remote clock offset: 0.968 ms

Below is generated by plot.py at 2019-03-08 23:28:46

Datalink statistics

-- Total of 1 flow:

Average throughput: 94.99 Mbit/s

95th percentile per-packet one-way delay: 97.863 ms

Loss rate: 0.51%

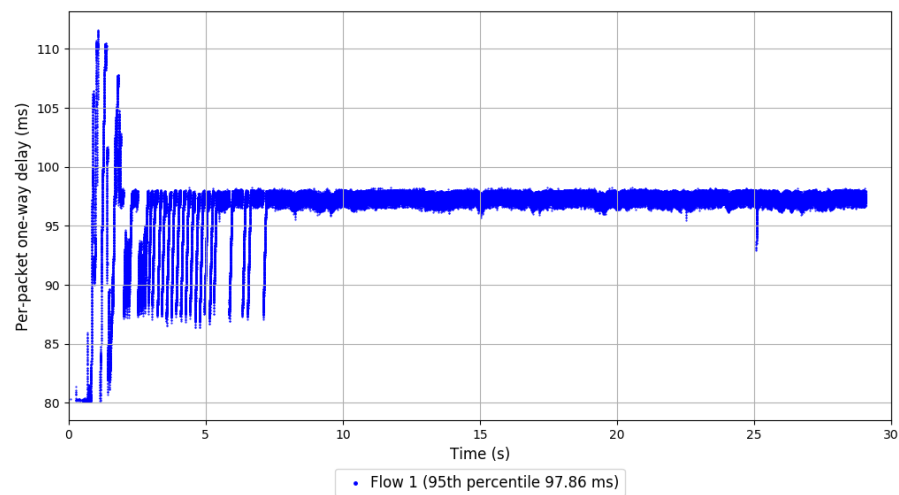
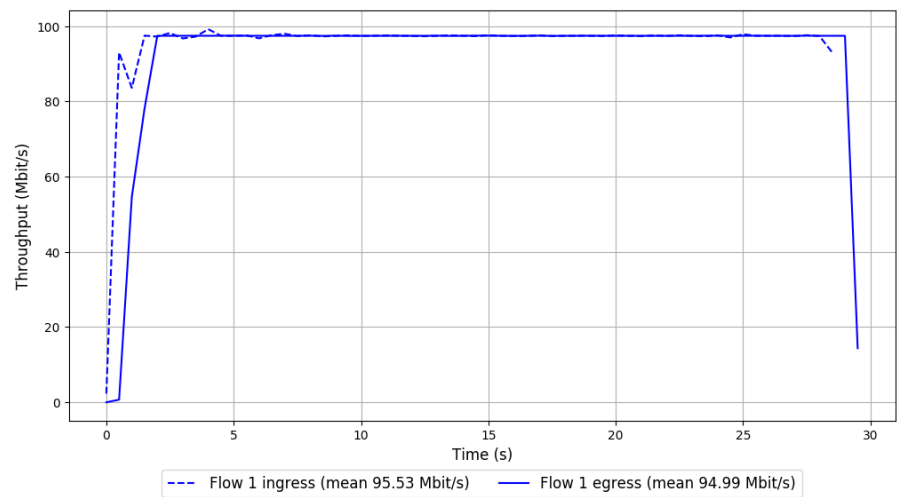
-- Flow 1:

Average throughput: 94.99 Mbit/s

95th percentile per-packet one-way delay: 97.863 ms

Loss rate: 0.51%

Run 4: Report of Indigo-MusesC3 — Data Link



Run 5: Statistics of Indigo-MusesC3

Start at: 2019-03-08 22:58:30

End at: 2019-03-08 22:59:00

Local clock offset: -5.317 ms

Remote clock offset: 5.658 ms

Below is generated by plot.py at 2019-03-08 23:28:46

Datalink statistics

-- Total of 1 flow:

Average throughput: 95.00 Mbit/s

95th percentile per-packet one-way delay: 99.001 ms

Loss rate: 0.26%

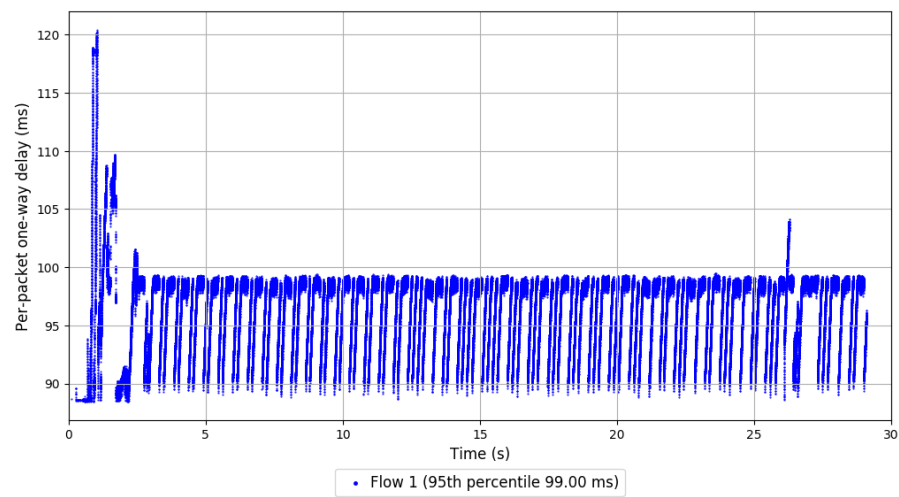
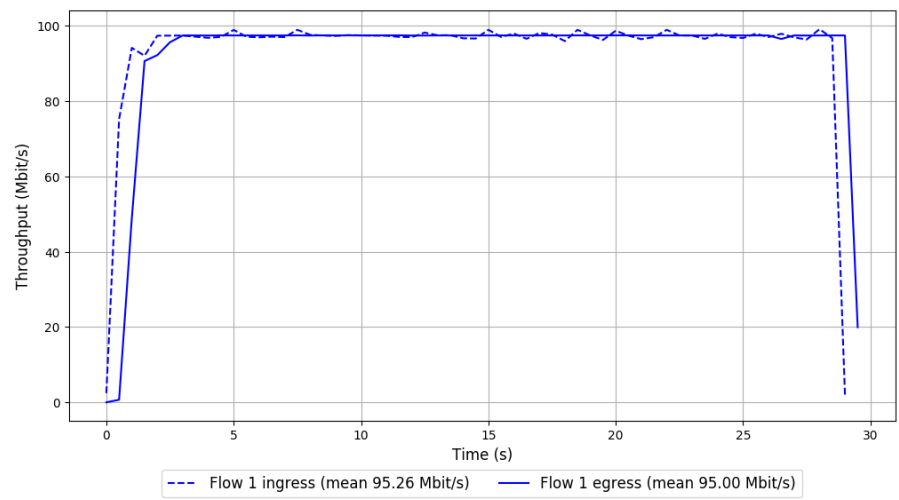
-- Flow 1:

Average throughput: 95.00 Mbit/s

95th percentile per-packet one-way delay: 99.001 ms

Loss rate: 0.26%

Run 5: Report of Indigo-MusesC3 — Data Link



Run 1: Statistics of Indigo-MusesC5

Start at: 2019-03-08 21:31:25

End at: 2019-03-08 21:31:55

Local clock offset: -6.963 ms

Remote clock offset: 1.183 ms

Below is generated by plot.py at 2019-03-08 23:28:51

Datalink statistics

-- Total of 1 flow:

Average throughput: 93.45 Mbit/s

95th percentile per-packet one-way delay: 90.430 ms

Loss rate: 0.01%

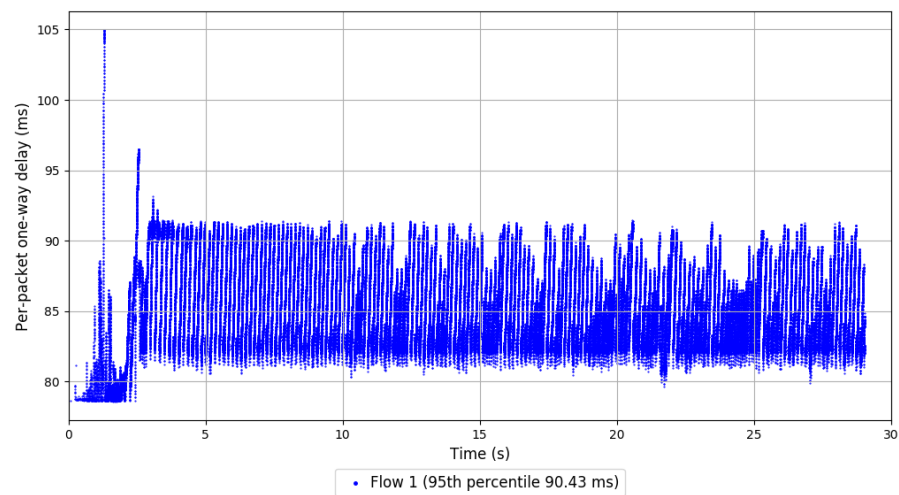
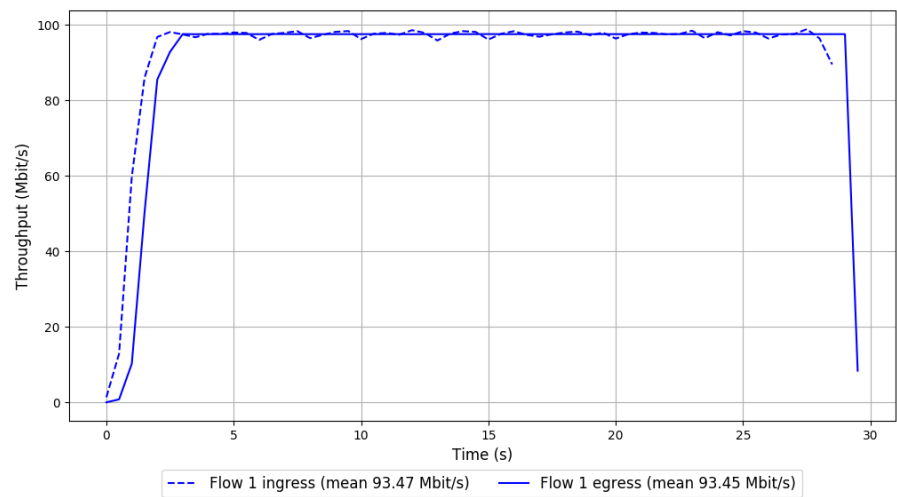
-- Flow 1:

Average throughput: 93.45 Mbit/s

95th percentile per-packet one-way delay: 90.430 ms

Loss rate: 0.01%

Run 1: Report of Indigo-MusesC5 — Data Link



Run 2: Statistics of Indigo-MusesC5

Start at: 2019-03-08 21:56:07

End at: 2019-03-08 21:56:37

Local clock offset: -5.914 ms

Remote clock offset: 1.533 ms

Below is generated by plot.py at 2019-03-08 23:28:52

Datalink statistics

-- Total of 1 flow:

Average throughput: 89.22 Mbit/s

95th percentile per-packet one-way delay: 93.770 ms

Loss rate: 0.01%

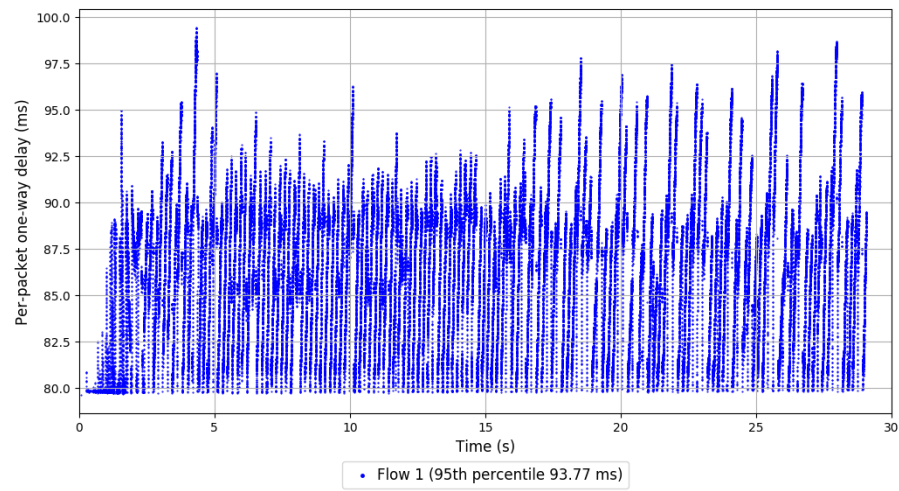
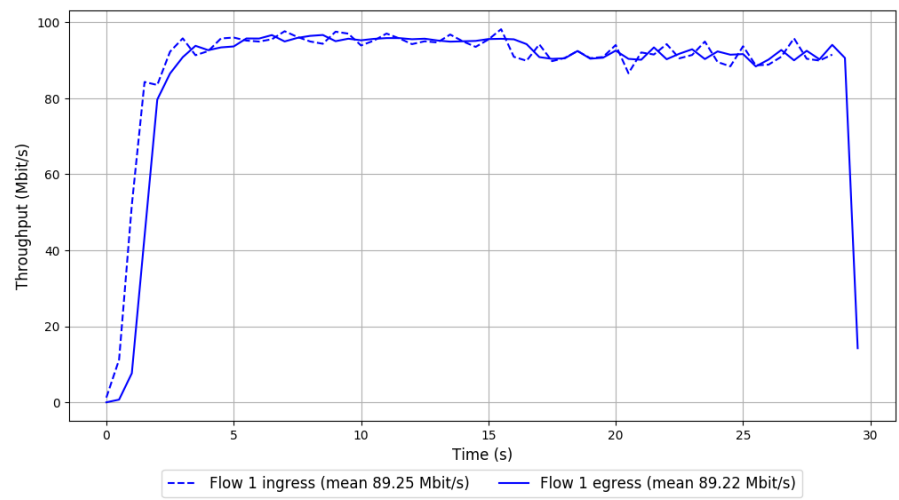
-- Flow 1:

Average throughput: 89.22 Mbit/s

95th percentile per-packet one-way delay: 93.770 ms

Loss rate: 0.01%

Run 2: Report of Indigo-MusesC5 — Data Link



Run 3: Statistics of Indigo-MusesC5

Start at: 2019-03-08 22:20:47

End at: 2019-03-08 22:21:17

Local clock offset: -5.253 ms

Remote clock offset: 0.975 ms

Below is generated by plot.py at 2019-03-08 23:28:57

Datalink statistics

-- Total of 1 flow:

Average throughput: 94.00 Mbit/s

95th percentile per-packet one-way delay: 92.976 ms

Loss rate: 0.01%

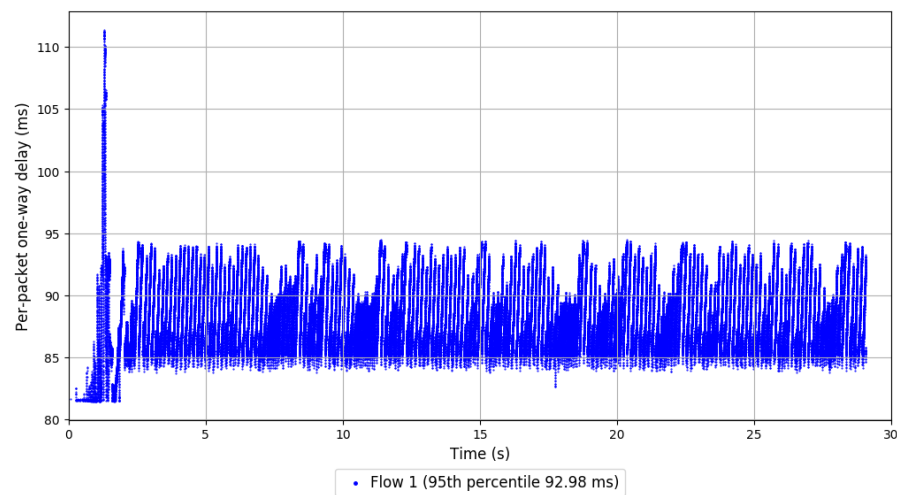
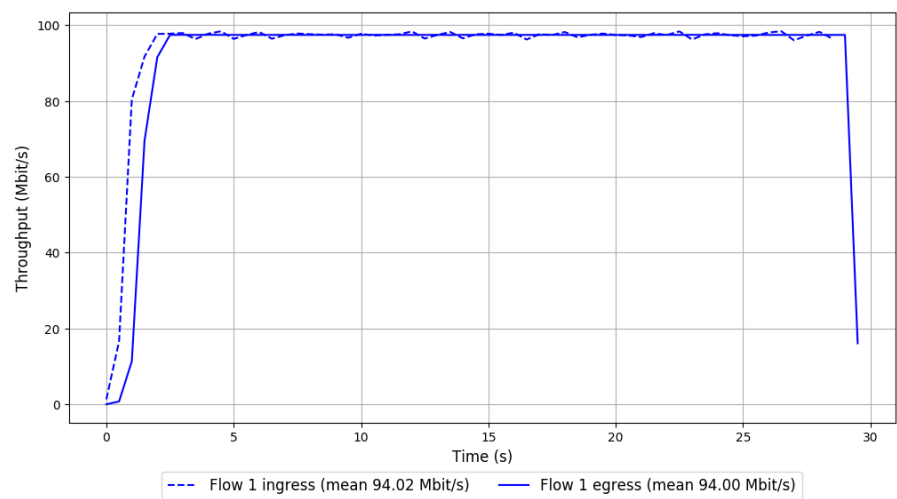
-- Flow 1:

Average throughput: 94.00 Mbit/s

95th percentile per-packet one-way delay: 92.976 ms

Loss rate: 0.01%

Run 3: Report of Indigo-MusesC5 — Data Link



Run 4: Statistics of Indigo-MusesC5

Start at: 2019-03-08 22:45:31

End at: 2019-03-08 22:46:01

Local clock offset: -4.968 ms

Remote clock offset: 4.565 ms

Below is generated by plot.py at 2019-03-08 23:29:39

Datalink statistics

-- Total of 1 flow:

Average throughput: 94.62 Mbit/s

95th percentile per-packet one-way delay: 100.164 ms

Loss rate: 0.00%

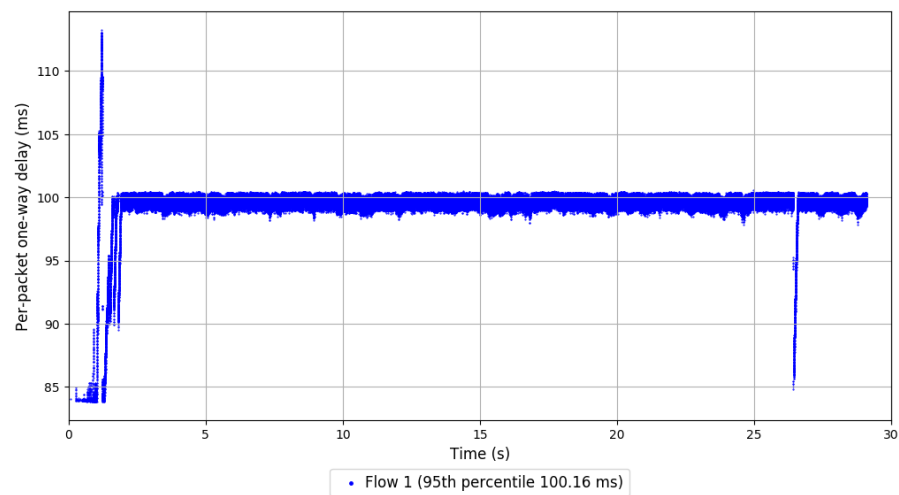
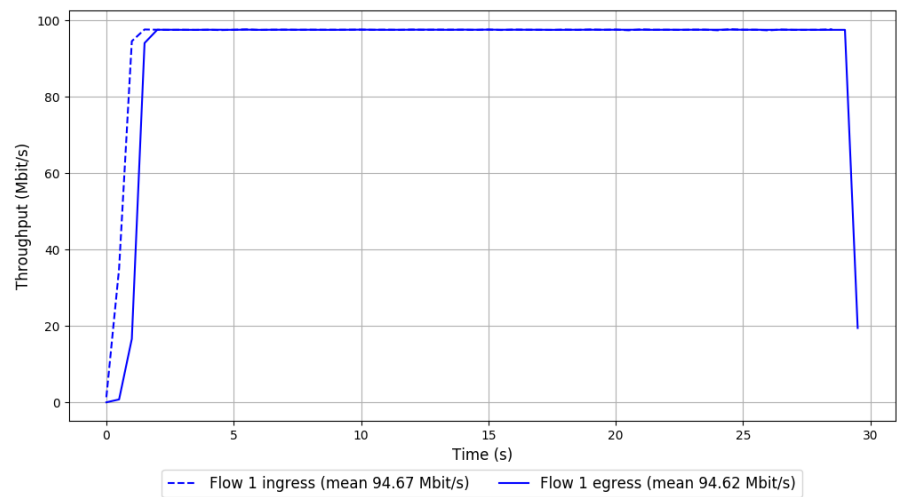
-- Flow 1:

Average throughput: 94.62 Mbit/s

95th percentile per-packet one-way delay: 100.164 ms

Loss rate: 0.00%

Run 4: Report of Indigo-MusesC5 — Data Link



Run 5: Statistics of Indigo-MusesC5

Start at: 2019-03-08 23:10:14

End at: 2019-03-08 23:10:44

Local clock offset: -6.227 ms

Remote clock offset: 8.656 ms

Below is generated by plot.py at 2019-03-08 23:29:51

Datalink statistics

-- Total of 1 flow:

Average throughput: 94.25 Mbit/s

95th percentile per-packet one-way delay: 97.847 ms

Loss rate: 0.26%

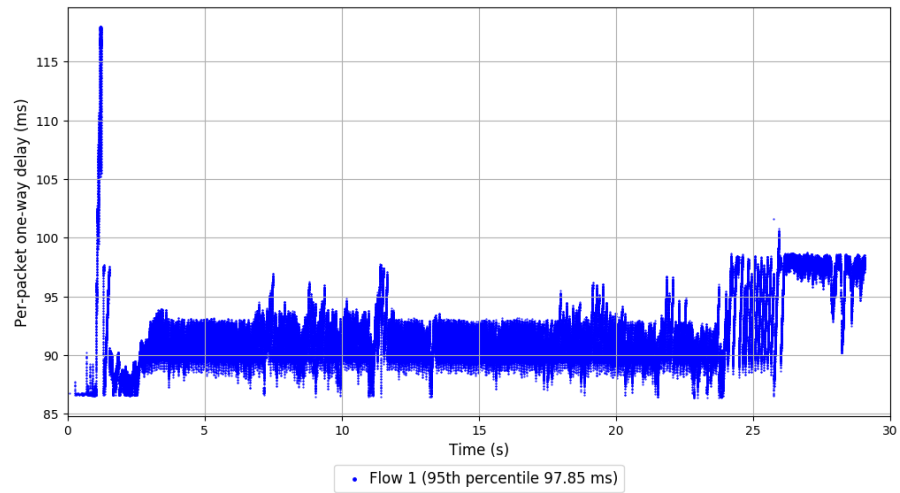
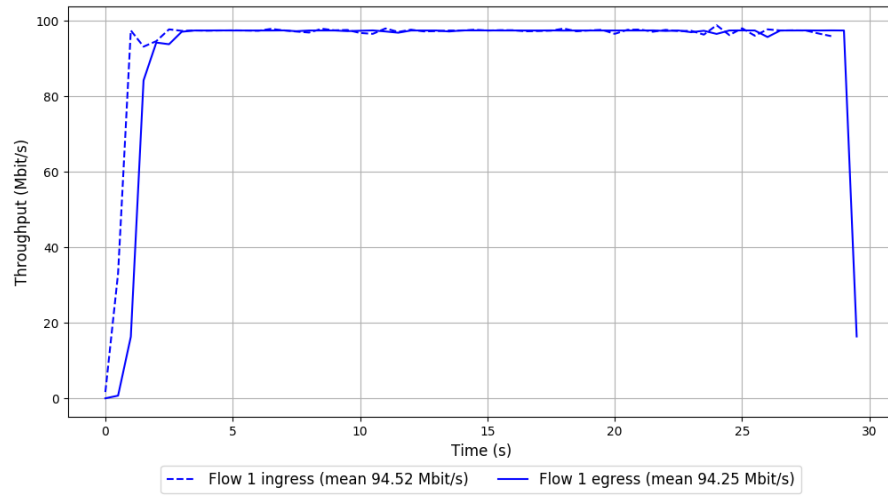
-- Flow 1:

Average throughput: 94.25 Mbit/s

95th percentile per-packet one-way delay: 97.847 ms

Loss rate: 0.26%

Run 5: Report of Indigo-MusesC5 — Data Link



Run 1: Statistics of Indigo-MusesD

Start at: 2019-03-08 21:29:02

End at: 2019-03-08 21:29:32

Local clock offset: -6.957 ms

Remote clock offset: 6.098 ms

Below is generated by plot.py at 2019-03-08 23:29:51

Datalink statistics

-- Total of 1 flow:

Average throughput: 94.02 Mbit/s

95th percentile per-packet one-way delay: 88.356 ms

Loss rate: 0.09%

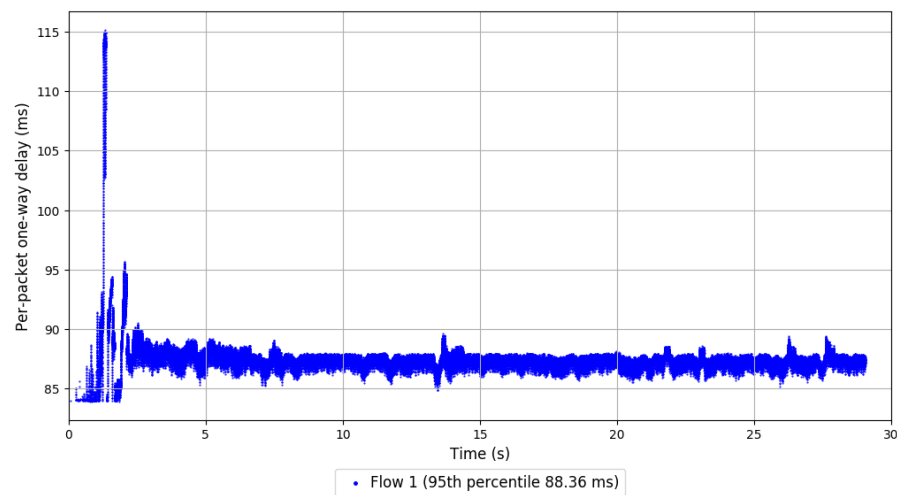
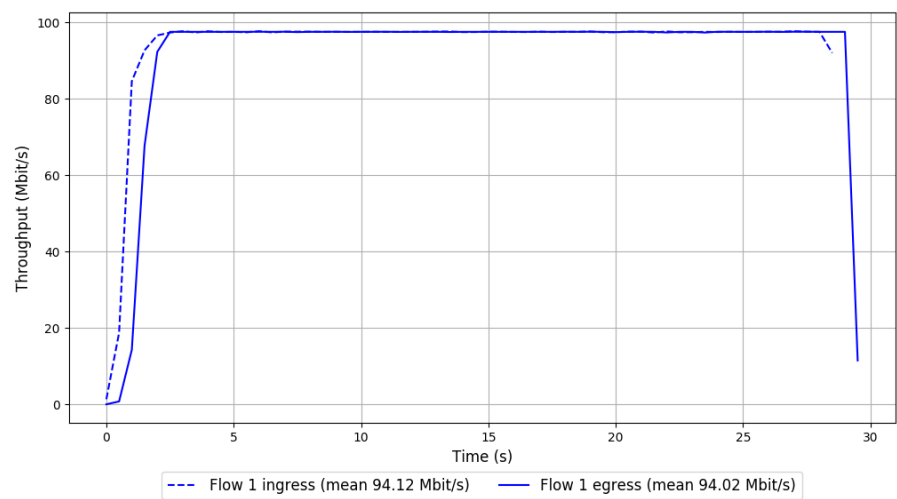
-- Flow 1:

Average throughput: 94.02 Mbit/s

95th percentile per-packet one-way delay: 88.356 ms

Loss rate: 0.09%

Run 1: Report of Indigo-MusesD — Data Link



Run 2: Statistics of Indigo-MusesD

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

End at: 2019-03-08 21:54:13

Local clock offset: -6.89 ms

Remote clock offset: 8.113 ms

Below is generated by plot.py at 2019-03-08 23:29:53

Datalink statistics

-- Total of 1 flow:

Average throughput: 94.36 Mbit/s

95th percentile per-packet one-way delay: 91.536 ms

Loss rate: 0.44%

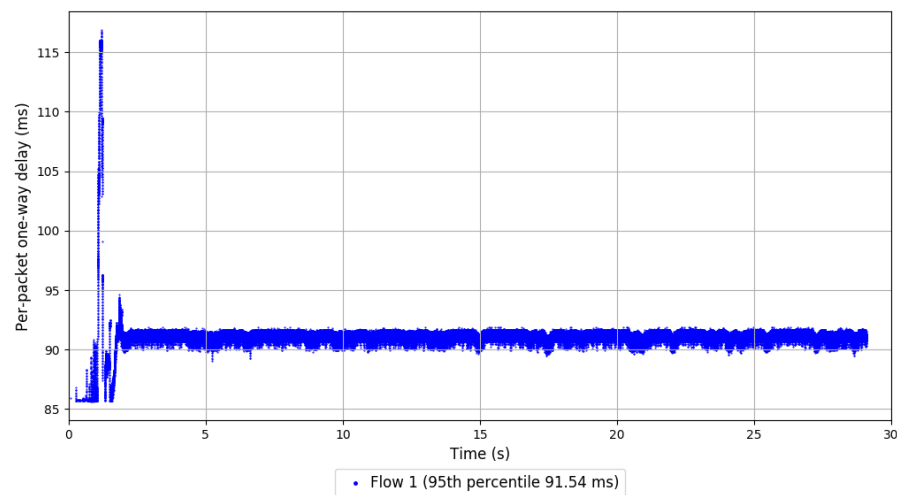
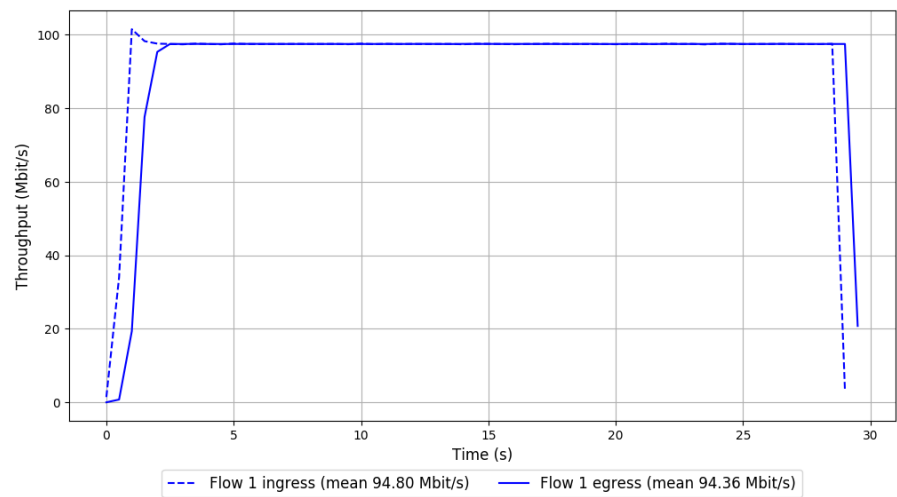
-- Flow 1:

Average throughput: 94.36 Mbit/s

95th percentile per-packet one-way delay: 91.536 ms

Loss rate: 0.44%

Run 2: Report of Indigo-MusesD — Data Link



Run 3: Statistics of Indigo-MusesD

Start at: 2019-03-08 22:18:23

End at: 2019-03-08 22:18:53

Local clock offset: -6.098 ms

Remote clock offset: 0.034 ms

Below is generated by plot.py at 2019-03-08 23:29:53

Datalink statistics

-- Total of 1 flow:

Average throughput: 94.22 Mbit/s

95th percentile per-packet one-way delay: 94.279 ms

Loss rate: 0.01%

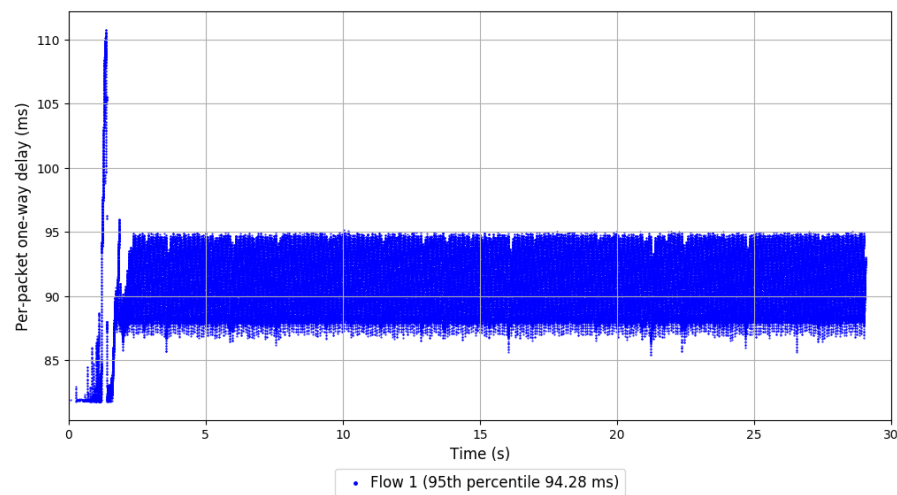
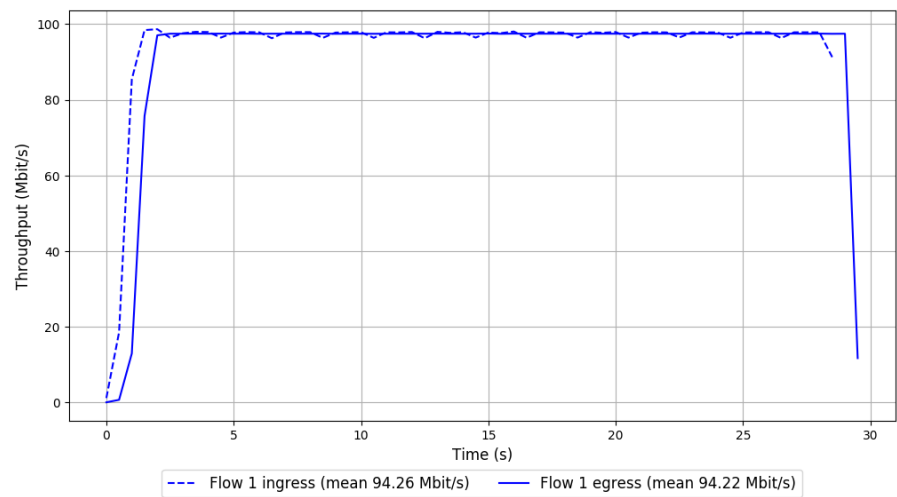
-- Flow 1:

Average throughput: 94.22 Mbit/s

95th percentile per-packet one-way delay: 94.279 ms

Loss rate: 0.01%

Run 3: Report of Indigo-MusesD — Data Link



Run 4: Statistics of Indigo-MusesD

Start at: 2019-03-08 22:43:07

End at: 2019-03-08 22:43:37

Local clock offset: -5.662 ms

Remote clock offset: -0.204 ms

Below is generated by plot.py at 2019-03-08 23:29:57

Datalink statistics

-- Total of 1 flow:

Average throughput: 93.41 Mbit/s

95th percentile per-packet one-way delay: 92.810 ms

Loss rate: 0.01%

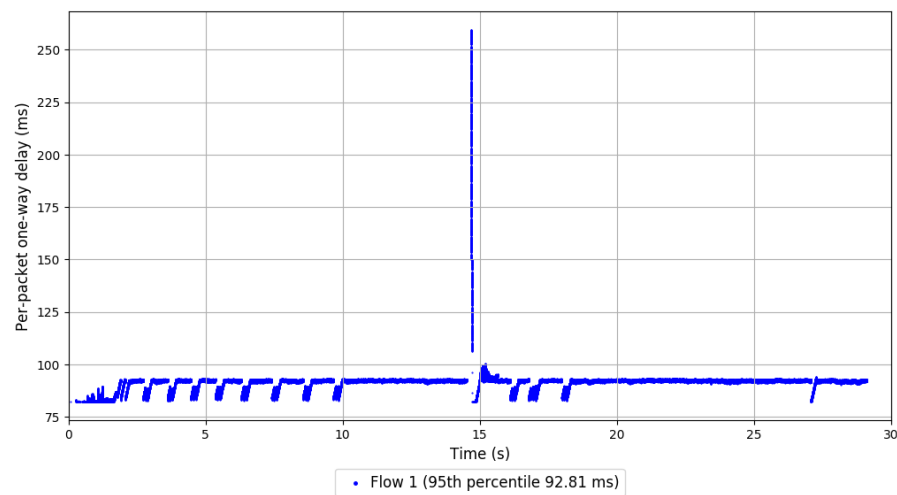
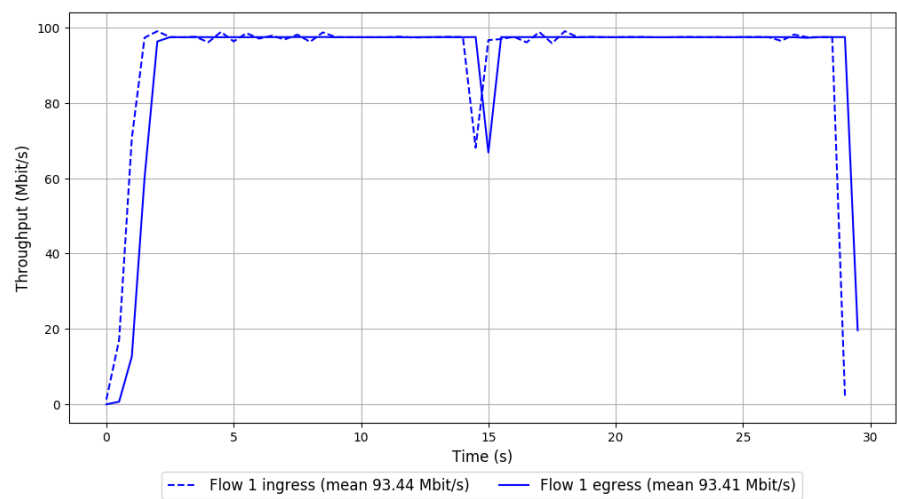
-- Flow 1:

Average throughput: 93.41 Mbit/s

95th percentile per-packet one-way delay: 92.810 ms

Loss rate: 0.01%

Run 4: Report of Indigo-MusesD — Data Link



Run 5: Statistics of Indigo-MusesD

Start at: 2019-03-08 23:07:50

End at: 2019-03-08 23:08:20

Local clock offset: -5.448 ms

Remote clock offset: 2.094 ms

Below is generated by plot.py at 2019-03-08 23:29:59

Datalink statistics

-- Total of 1 flow:

Average throughput: 93.74 Mbit/s

95th percentile per-packet one-way delay: 83.223 ms

Loss rate: 0.00%

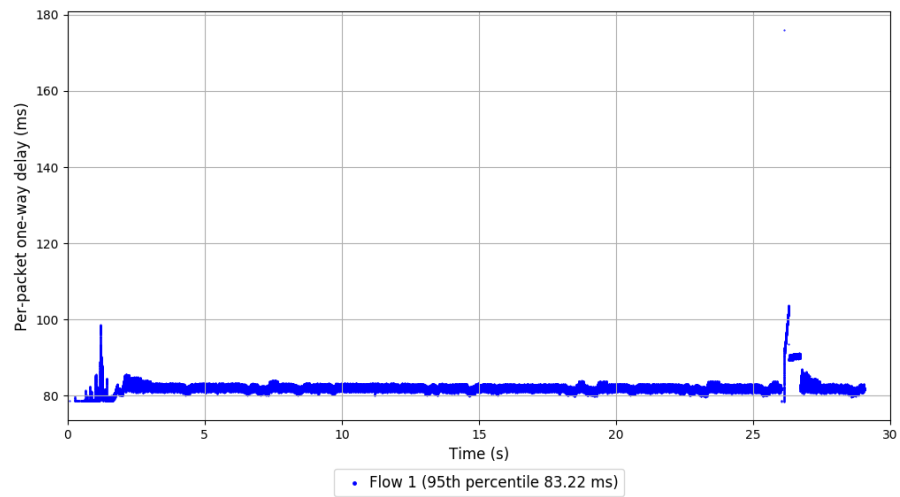
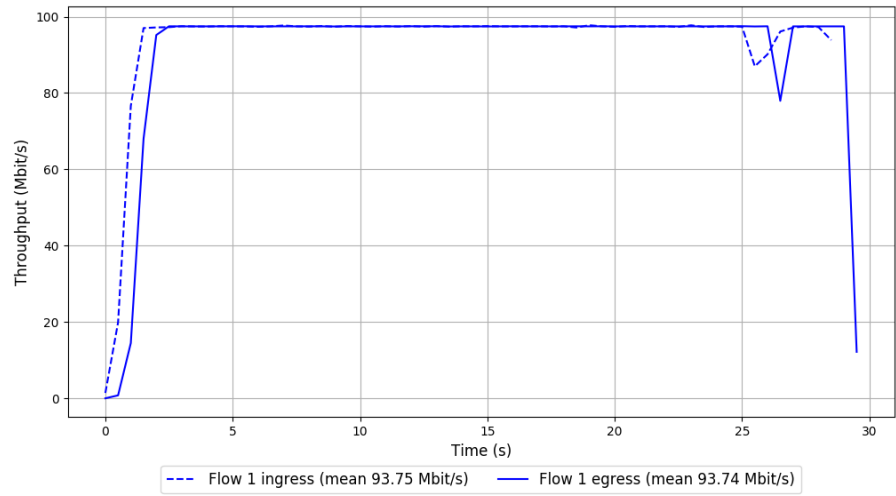
-- Flow 1:

Average throughput: 93.74 Mbit/s

95th percentile per-packet one-way delay: 83.223 ms

Loss rate: 0.00%

Run 5: Report of Indigo-MusesD — Data Link

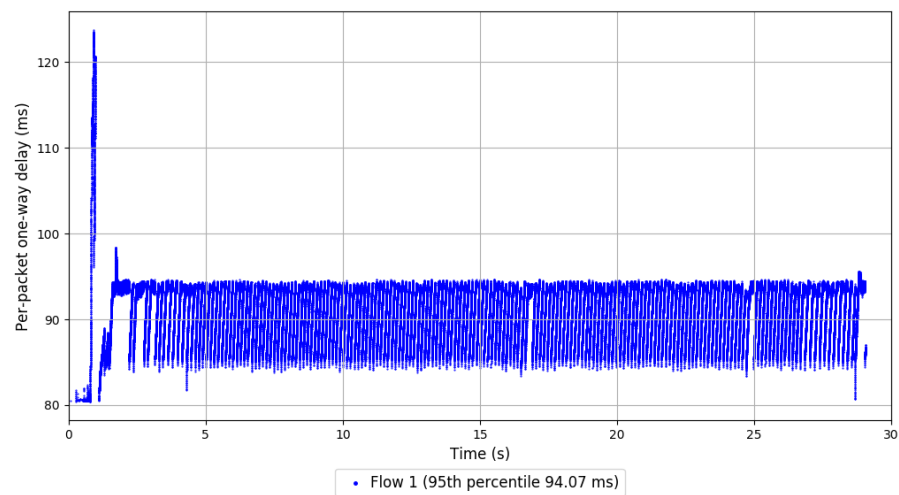
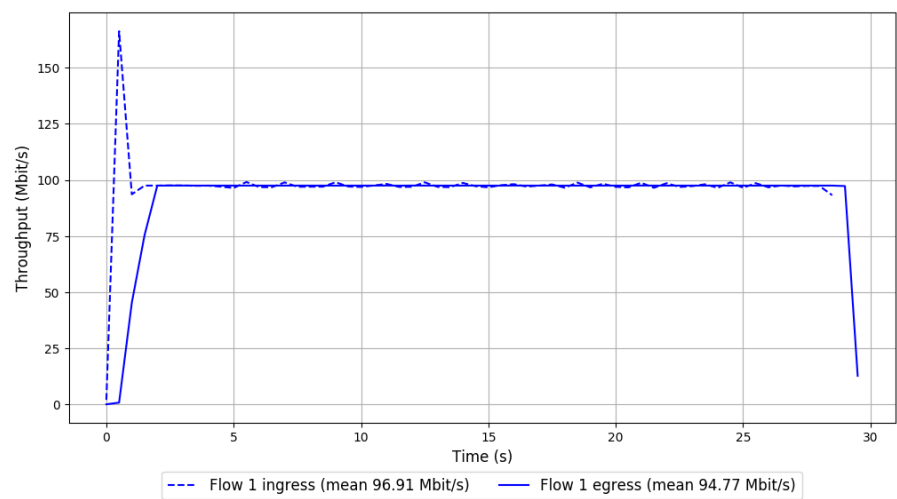


```
Run 1: Statistics of Indigo-MusesT

Start at: 2019-03-08 21:25:28
End at: 2019-03-08 21:25:58
Local clock offset: -6.836 ms
Remote clock offset: 2.065 ms

# Below is generated by plot.py at 2019-03-08 23:30:07
# Datalink statistics
-- Total of 1 flow:
Average throughput: 94.77 Mbit/s
95th percentile per-packet one-way delay: 94.074 ms
Loss rate: 2.19%
-- Flow 1:
Average throughput: 94.77 Mbit/s
95th percentile per-packet one-way delay: 94.074 ms
Loss rate: 2.19%
```

Run 1: Report of Indigo-MusesT — Data Link



Run 2: Statistics of Indigo-MusesT

Start at: 2019-03-08 21:50:12

End at: 2019-03-08 21:50:42

Local clock offset: -6.408 ms

Remote clock offset: 1.979 ms

Below is generated by plot.py at 2019-03-08 23:30:46

Datalink statistics

-- Total of 1 flow:

Average throughput: 94.77 Mbit/s

95th percentile per-packet one-way delay: 93.703 ms

Loss rate: 1.87%

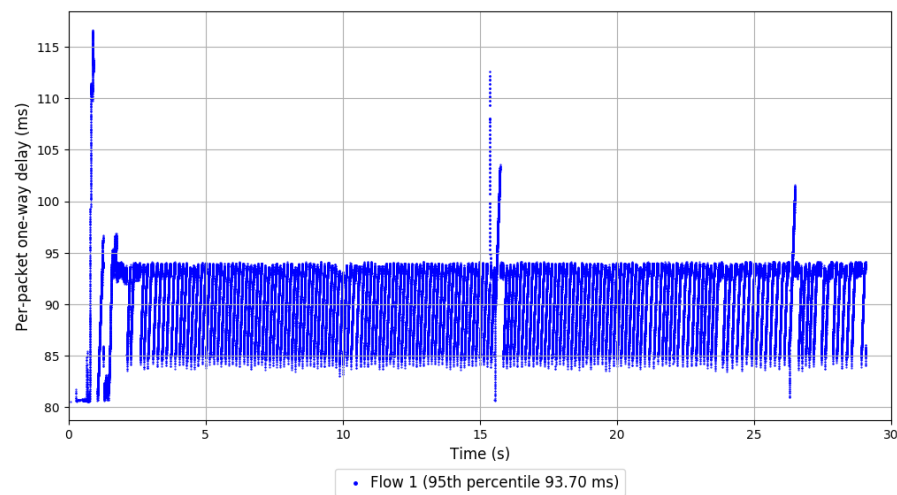
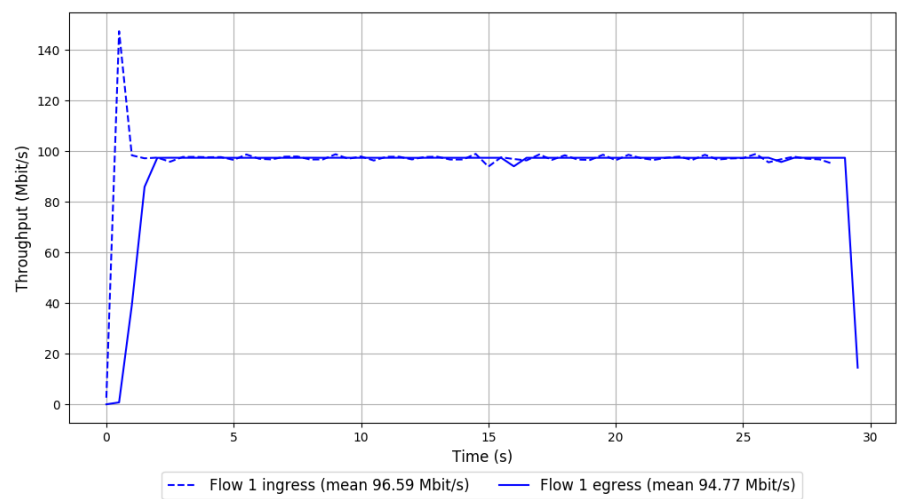
-- Flow 1:

Average throughput: 94.77 Mbit/s

95th percentile per-packet one-way delay: 93.703 ms

Loss rate: 1.87%

Run 2: Report of Indigo-MusesT — Data Link



Run 3: Statistics of Indigo-MusesT

Start at: 2019-03-08 22:14:53

End at: 2019-03-08 22:15:23

Local clock offset: -6.368 ms

Remote clock offset: 3.942 ms

Below is generated by plot.py at 2019-03-08 23:31:00

Datalink statistics

-- Total of 1 flow:

Average throughput: 94.93 Mbit/s

95th percentile per-packet one-way delay: 98.171 ms

Loss rate: 1.49%

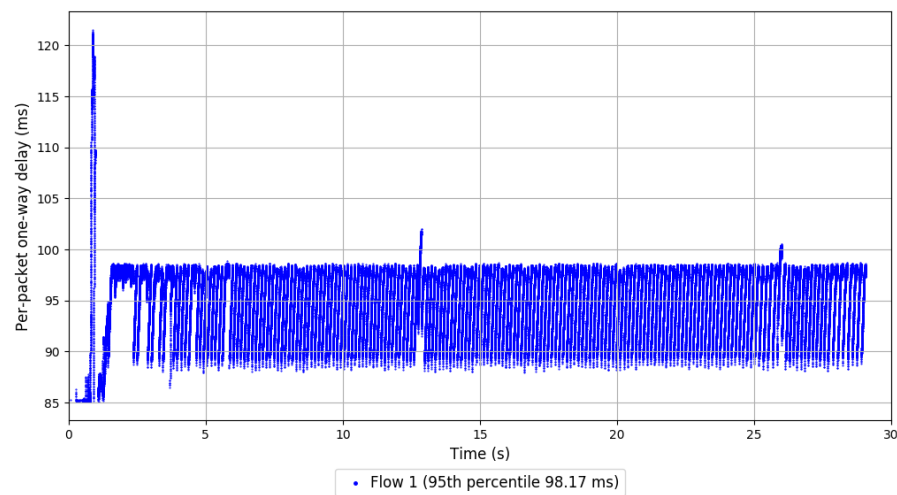
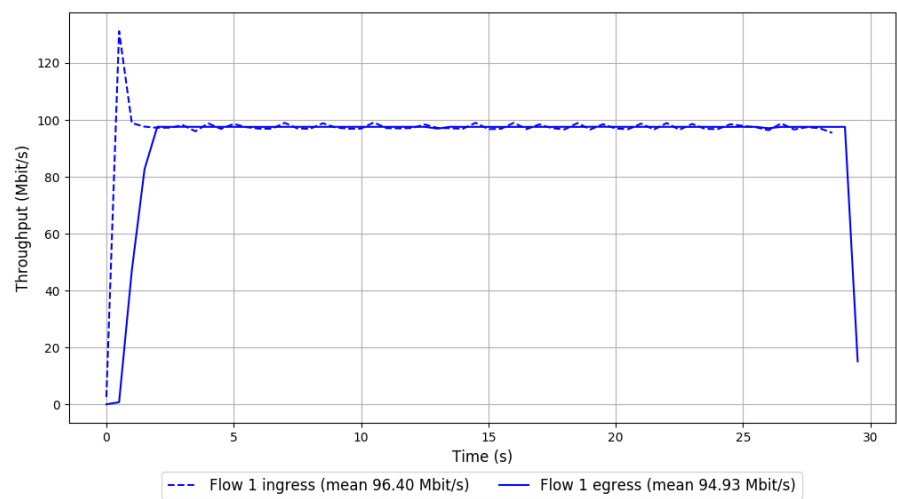
-- Flow 1:

Average throughput: 94.93 Mbit/s

95th percentile per-packet one-way delay: 98.171 ms

Loss rate: 1.49%

Run 3: Report of Indigo-MusesT — Data Link

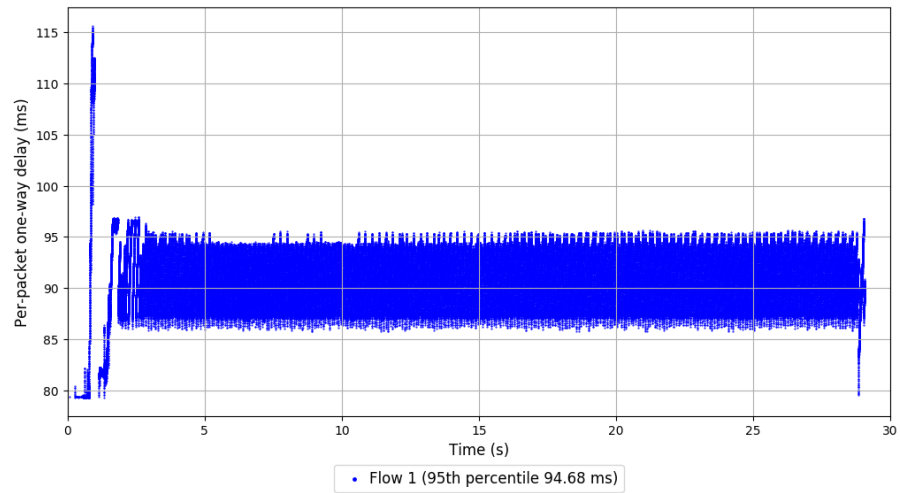
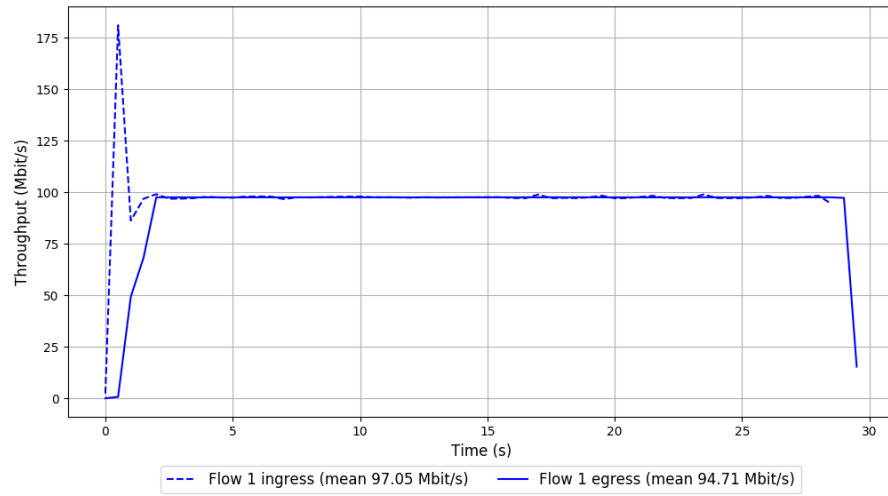


Run 4: Statistics of Indigo-MusesT

Start at: 2019-03-08 22:39:35
End at: 2019-03-08 22:40:05
Local clock offset: -4.861 ms
Remote clock offset: -0.356 ms

Below is generated by plot.py at 2019-03-08 23:31:00
Datalink statistics
-- Total of 1 flow:
Average throughput: 94.71 Mbit/s
95th percentile per-packet one-way delay: 94.680 ms
Loss rate: 2.37%
-- Flow 1:
Average throughput: 94.71 Mbit/s
95th percentile per-packet one-way delay: 94.680 ms
Loss rate: 2.37%

Run 4: Report of Indigo-MusesT — Data Link



Run 5: Statistics of Indigo-MusesT

Start at: 2019-03-08 23:04:20

End at: 2019-03-08 23:04:50

Local clock offset: -6.24 ms

Remote clock offset: -0.507 ms

Below is generated by plot.py at 2019-03-08 23:31:02

Datalink statistics

-- Total of 1 flow:

Average throughput: 94.87 Mbit/s

95th percentile per-packet one-way delay: 93.550 ms

Loss rate: 3.51%

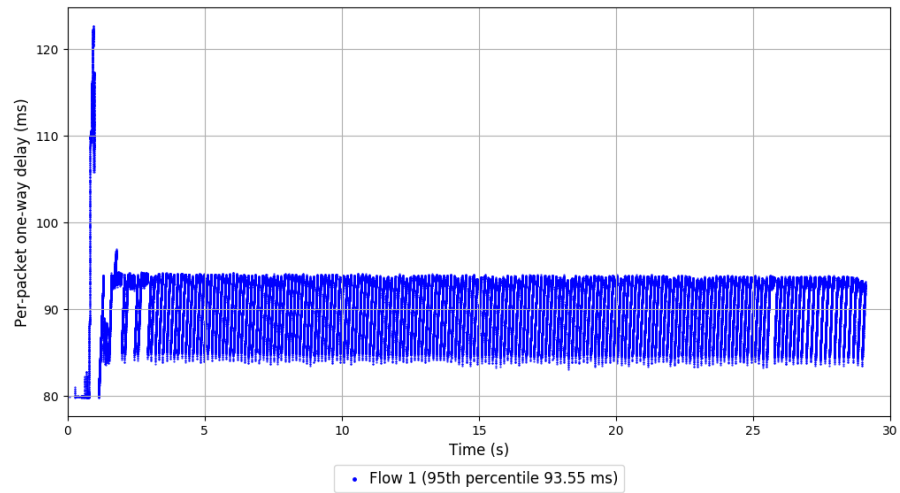
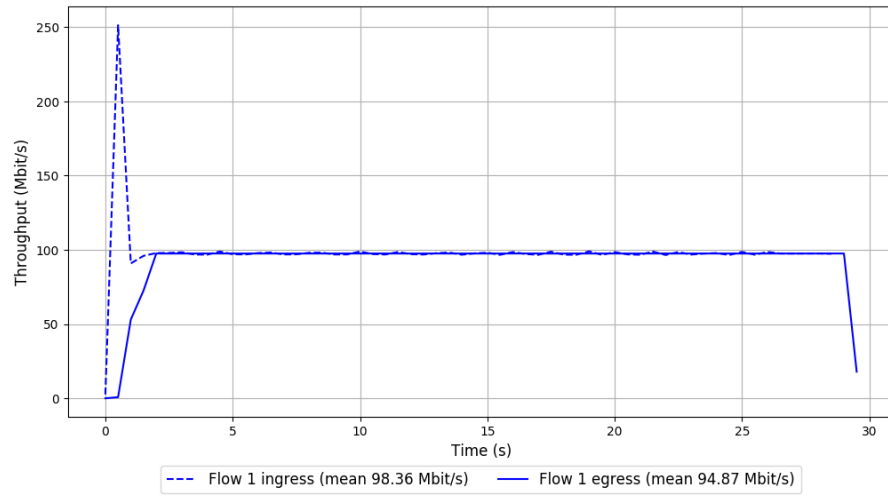
-- Flow 1:

Average throughput: 94.87 Mbit/s

95th percentile per-packet one-way delay: 93.550 ms

Loss rate: 3.51%

Run 5: Report of Indigo-MusesT — Data Link

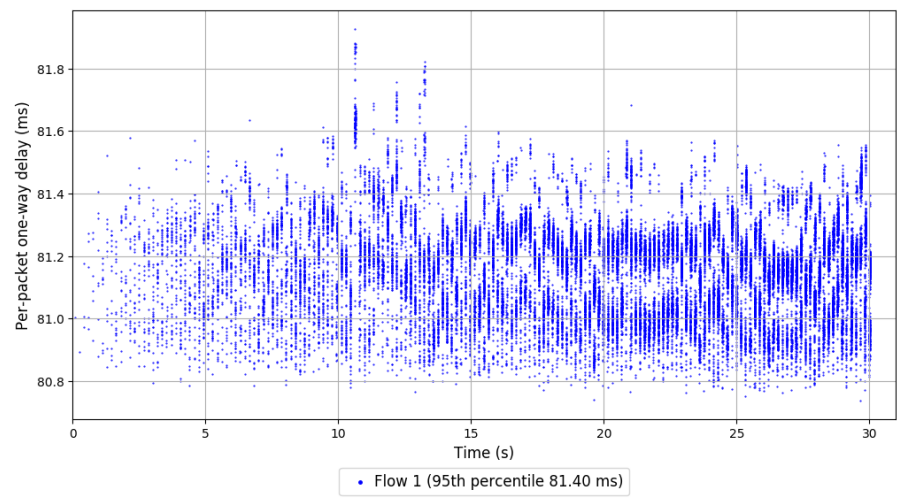
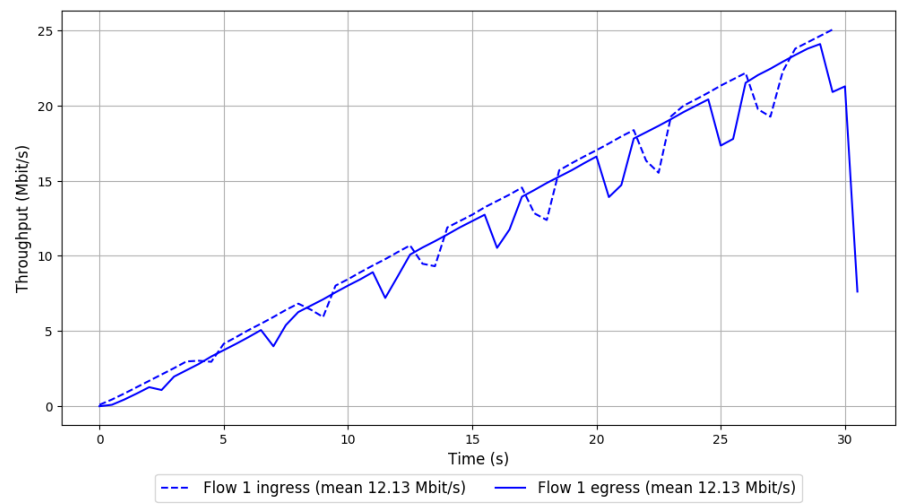


```
Run 1: Statistics of LEDBAT

Start at: 2019-03-08 21:33:49
End at: 2019-03-08 21:34:19
Local clock offset: -7.034 ms
Remote clock offset: 2.444 ms

# Below is generated by plot.py at 2019-03-08 23:31:02
# Datalink statistics
-- Total of 1 flow:
Average throughput: 12.13 Mbit/s
95th percentile per-packet one-way delay: 81.404 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 12.13 Mbit/s
95th percentile per-packet one-way delay: 81.404 ms
Loss rate: 0.00%
```

Run 1: Report of LEDBAT — Data Link



Run 2: Statistics of LEDBAT

Start at: 2019-03-08 21:58:30

End at: 2019-03-08 21:59:00

Local clock offset: -6.539 ms

Remote clock offset: 2.387 ms

Below is generated by plot.py at 2019-03-08 23:31:02

Datalink statistics

-- Total of 1 flow:

Average throughput: 11.93 Mbit/s

95th percentile per-packet one-way delay: 83.485 ms

Loss rate: 0.00%

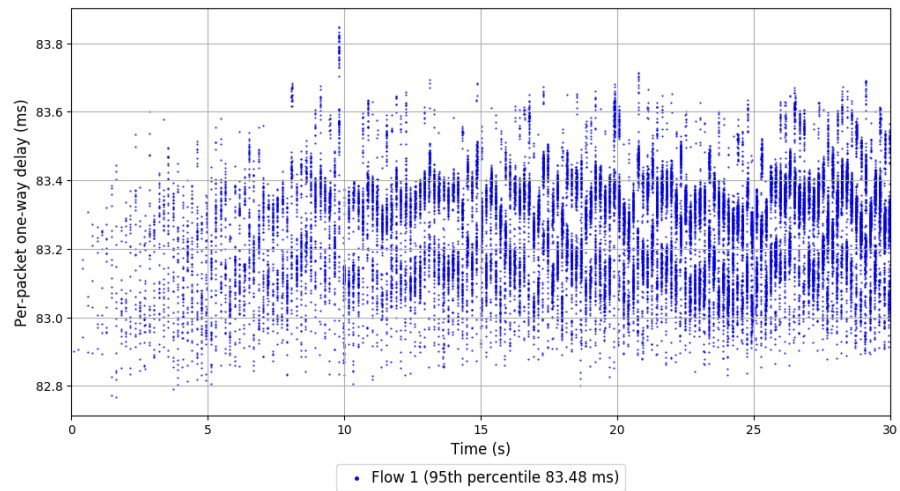
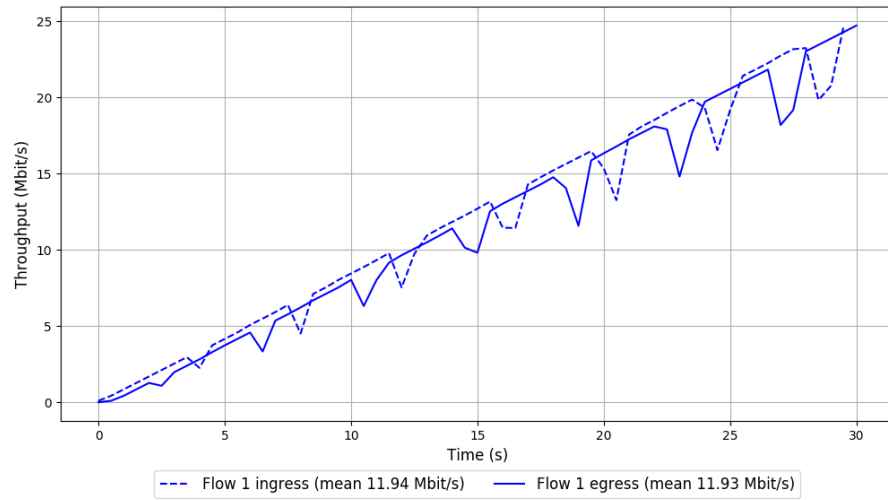
-- Flow 1:

Average throughput: 11.93 Mbit/s

95th percentile per-packet one-way delay: 83.485 ms

Loss rate: 0.00%

Run 2: Report of LEDBAT — Data Link



Run 3: Statistics of LEDBAT

Start at: 2019-03-08 22:23:10

End at: 2019-03-08 22:23:40

Local clock offset: -5.113 ms

Remote clock offset: 1.104 ms

Below is generated by plot.py at 2019-03-08 23:31:02

Datalink statistics

-- Total of 1 flow:

Average throughput: 10.99 Mbit/s

95th percentile per-packet one-way delay: 83.570 ms

Loss rate: 0.09%

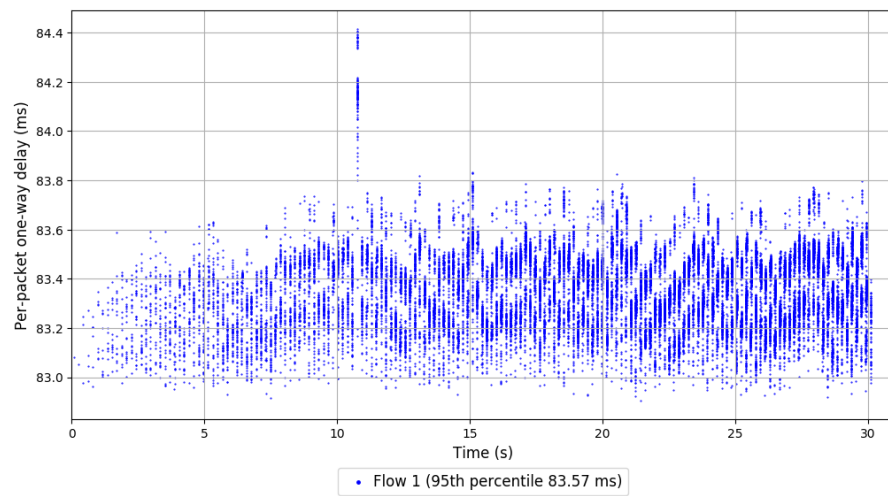
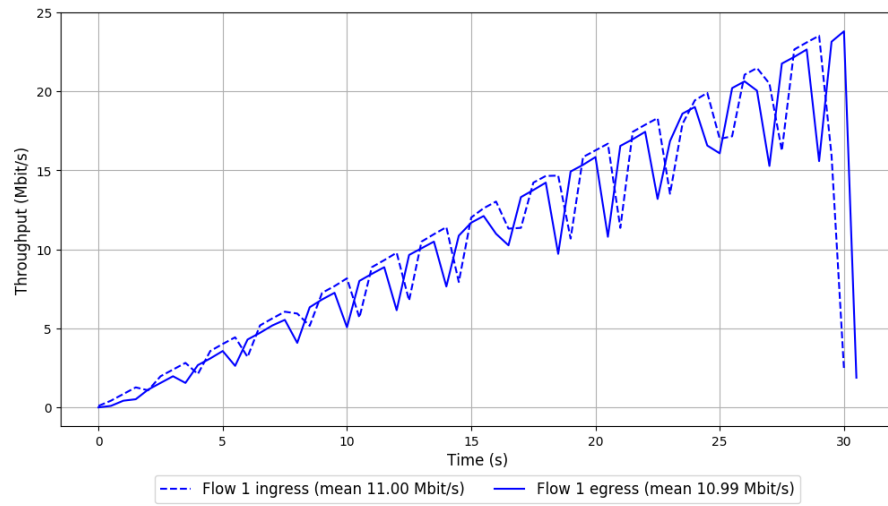
-- Flow 1:

Average throughput: 10.99 Mbit/s

95th percentile per-packet one-way delay: 83.570 ms

Loss rate: 0.09%

Run 3: Report of LEDBAT — Data Link



Run 4: Statistics of LEDBAT

Start at: 2019-03-08 22:47:54

End at: 2019-03-08 22:48:24

Local clock offset: -5.792 ms

Remote clock offset: 5.569 ms

Below is generated by plot.py at 2019-03-08 23:31:02

Datalink statistics

-- Total of 1 flow:

Average throughput: 12.22 Mbit/s

95th percentile per-packet one-way delay: 86.586 ms

Loss rate: 0.00%

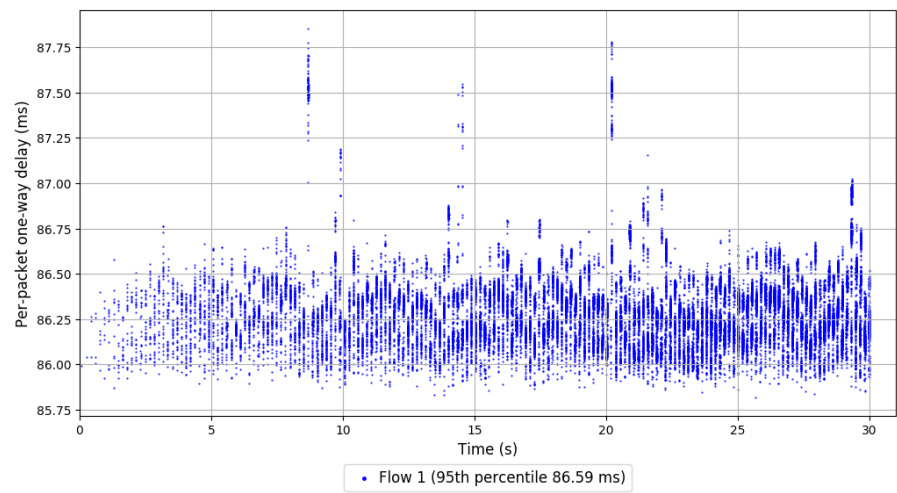
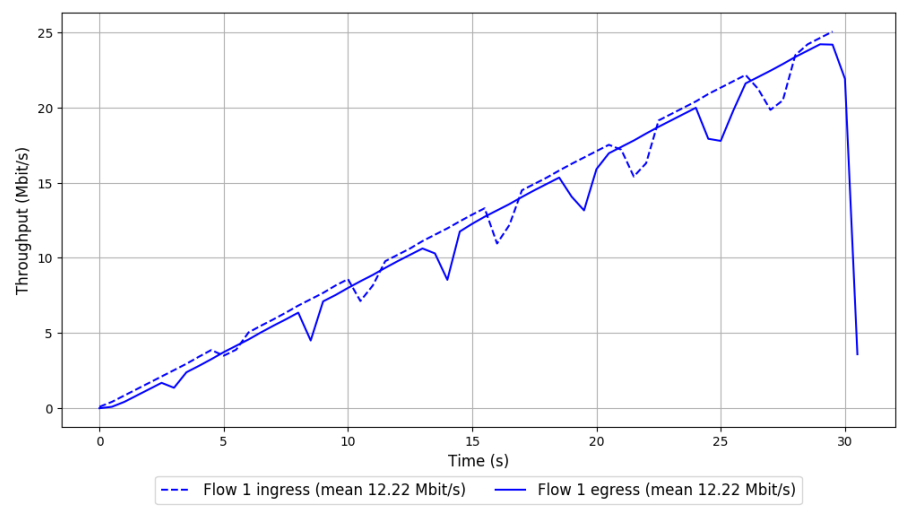
-- Flow 1:

Average throughput: 12.22 Mbit/s

95th percentile per-packet one-way delay: 86.586 ms

Loss rate: 0.00%

Run 4: Report of LEDBAT — Data Link

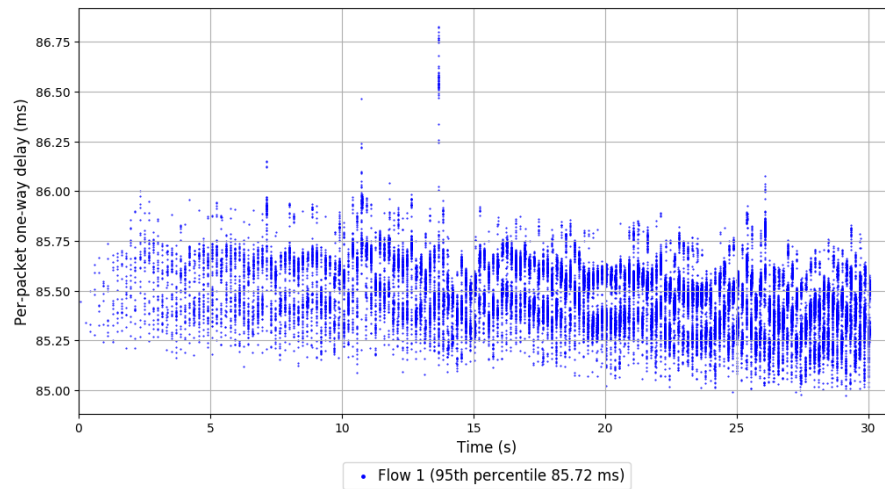
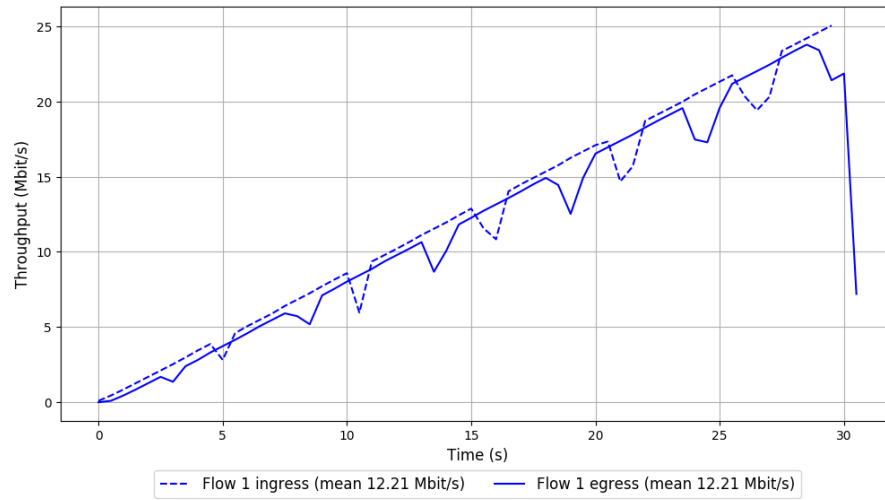


Run 5: Statistics of LEDBAT

Start at: 2019-03-08 23:12:37
End at: 2019-03-08 23:13:07
Local clock offset: -6.257 ms
Remote clock offset: 10.797 ms

Below is generated by plot.py at 2019-03-08 23:31:02
Datalink statistics
-- Total of 1 flow:
Average throughput: 12.21 Mbit/s
95th percentile per-packet one-way delay: 85.715 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 12.21 Mbit/s
95th percentile per-packet one-way delay: 85.715 ms
Loss rate: 0.00%

Run 5: Report of LEDBAT — Data Link

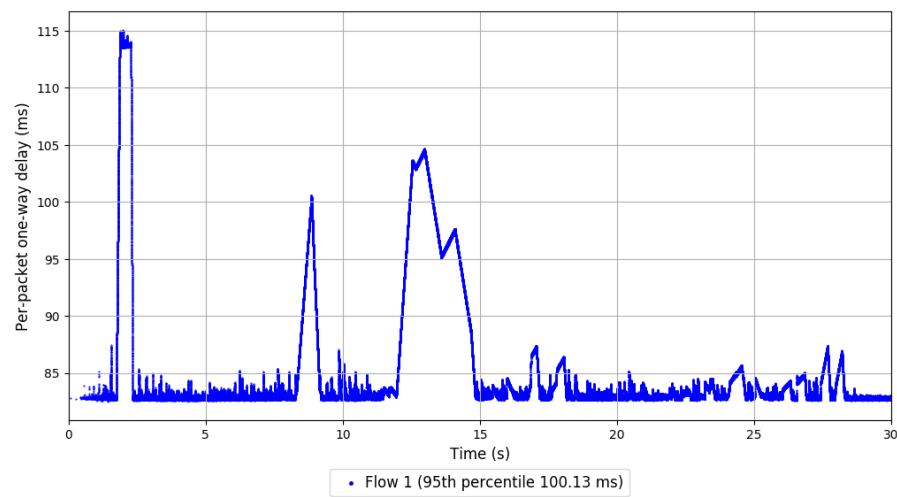
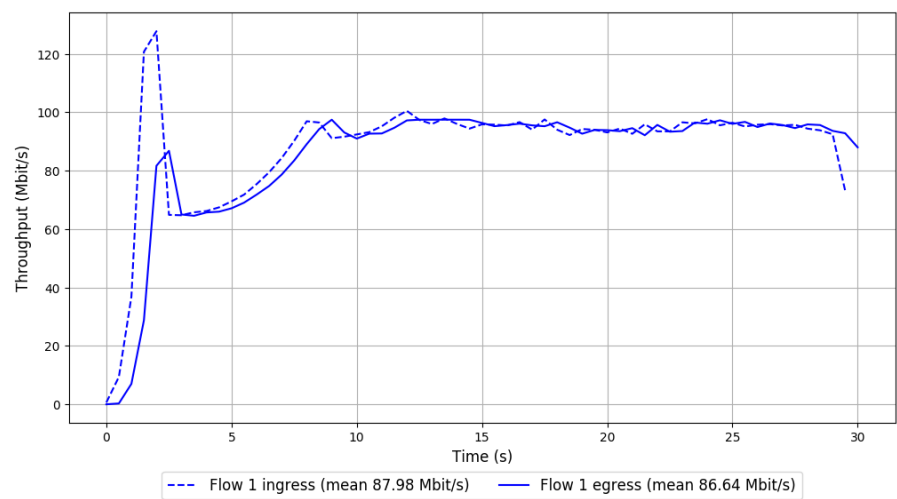


```
Run 1: Statistics of PCC-Allegro

Start at: 2019-03-08 21:32:38
End at: 2019-03-08 21:33:08
Local clock offset: -7.766 ms
Remote clock offset: 2.412 ms

# Below is generated by plot.py at 2019-03-08 23:31:15
# Datalink statistics
-- Total of 1 flow:
Average throughput: 86.64 Mbit/s
95th percentile per-packet one-way delay: 100.130 ms
Loss rate: 1.53%
-- Flow 1:
Average throughput: 86.64 Mbit/s
95th percentile per-packet one-way delay: 100.130 ms
Loss rate: 1.53%
```

Run 1: Report of PCC-Allegro — Data Link



Run 2: Statistics of PCC-Allegro

Start at: 2019-03-08 21:57:19

End at: 2019-03-08 21:57:49

Local clock offset: -5.837 ms

Remote clock offset: 5.186 ms

Below is generated by plot.py at 2019-03-08 23:31:16

Datalink statistics

-- Total of 1 flow:

Average throughput: 87.04 Mbit/s

95th percentile per-packet one-way delay: 92.937 ms

Loss rate: 1.47%

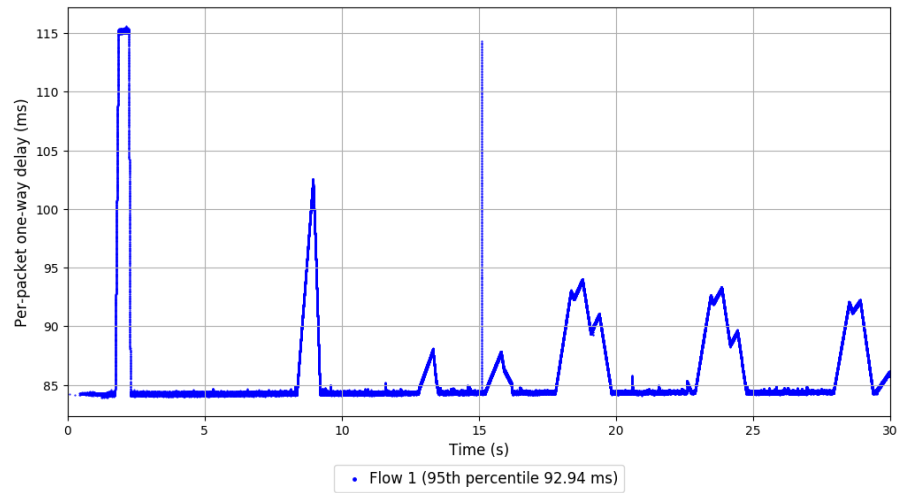
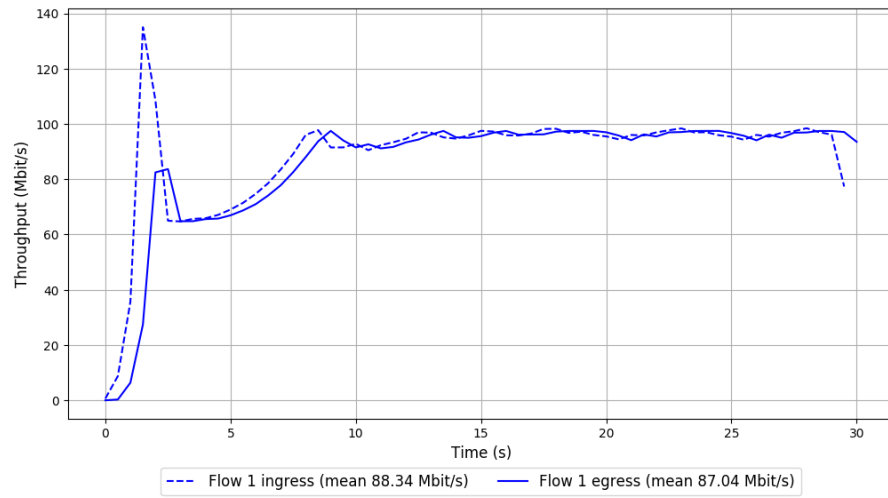
-- Flow 1:

Average throughput: 87.04 Mbit/s

95th percentile per-packet one-way delay: 92.937 ms

Loss rate: 1.47%

Run 2: Report of PCC-Allegro — Data Link



Run 3: Statistics of PCC-Allegro

Start at: 2019-03-08 22:21:59

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

Local clock offset: -5.132 ms

Remote clock offset: 0.021 ms

Below is generated by plot.py at 2019-03-08 23:31:18

Datalink statistics

-- Total of 1 flow:

Average throughput: 86.65 Mbit/s

95th percentile per-packet one-way delay: 93.841 ms

Loss rate: 1.51%

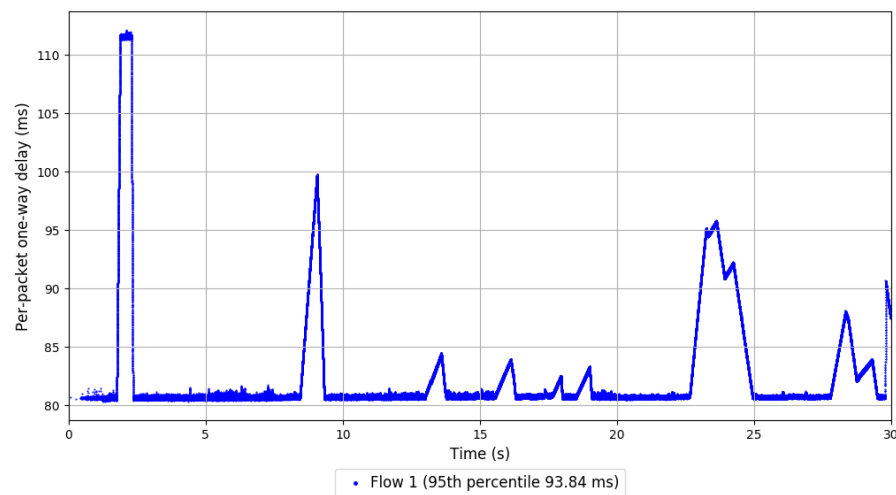
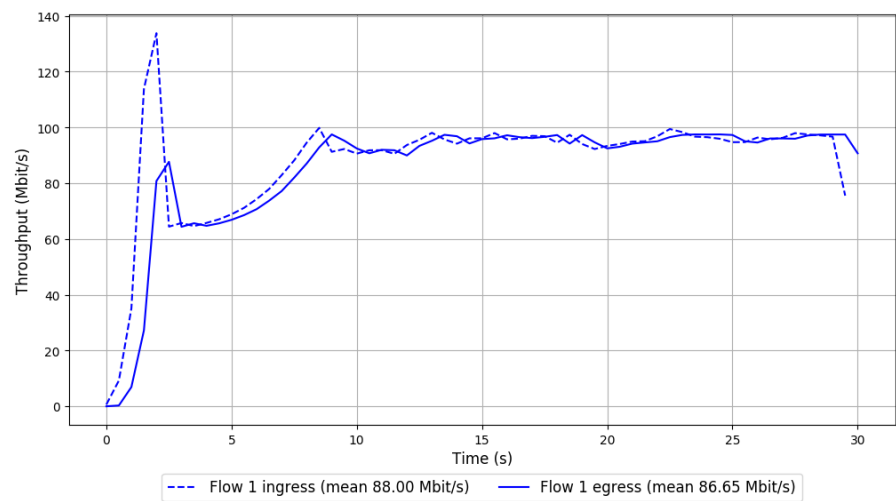
-- Flow 1:

Average throughput: 86.65 Mbit/s

95th percentile per-packet one-way delay: 93.841 ms

Loss rate: 1.51%

Run 3: Report of PCC-Allegro — Data Link



Run 4: Statistics of PCC-Allegro

Start at: 2019-03-08 22:46:43

End at: 2019-03-08 22:47:13

Local clock offset: -5.016 ms

Remote clock offset: 4.562 ms

Below is generated by plot.py at 2019-03-08 23:31:22

Datalink statistics

-- Total of 1 flow:

Average throughput: 86.83 Mbit/s

95th percentile per-packet one-way delay: 97.950 ms

Loss rate: 1.49%

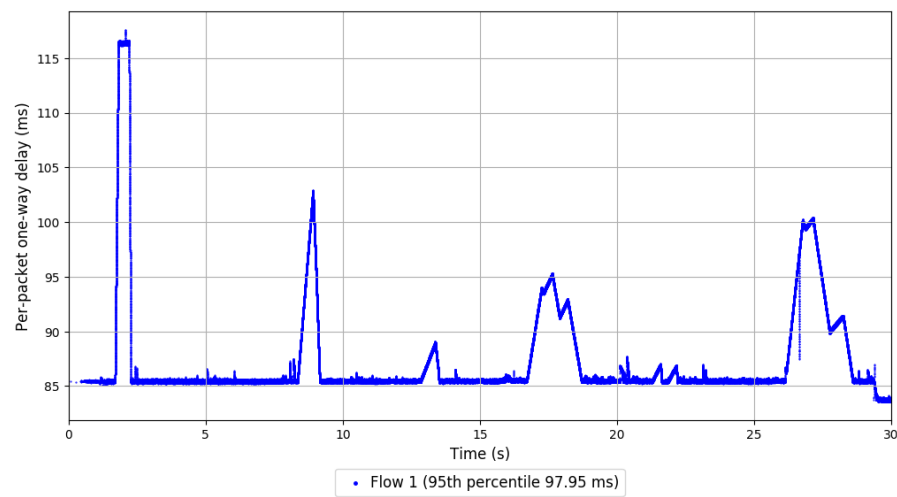
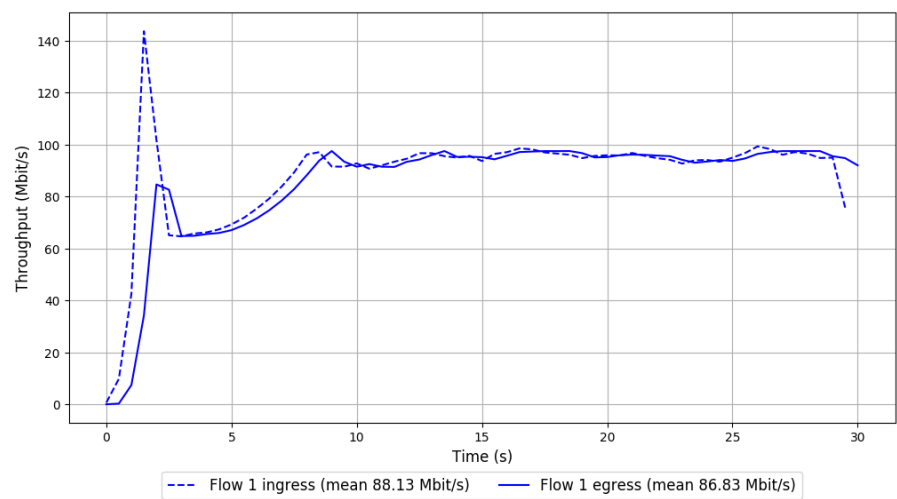
-- Flow 1:

Average throughput: 86.83 Mbit/s

95th percentile per-packet one-way delay: 97.950 ms

Loss rate: 1.49%

Run 4: Report of PCC-Allegro — Data Link



Run 5: Statistics of PCC-Allegro

Start at: 2019-03-08 23:11:26

End at: 2019-03-08 23:11:56

Local clock offset: -5.485 ms

Remote clock offset: 5.474 ms

Below is generated by plot.py at 2019-03-08 23:32:06

Datalink statistics

-- Total of 1 flow:

Average throughput: 87.06 Mbit/s

95th percentile per-packet one-way delay: 91.800 ms

Loss rate: 1.47%

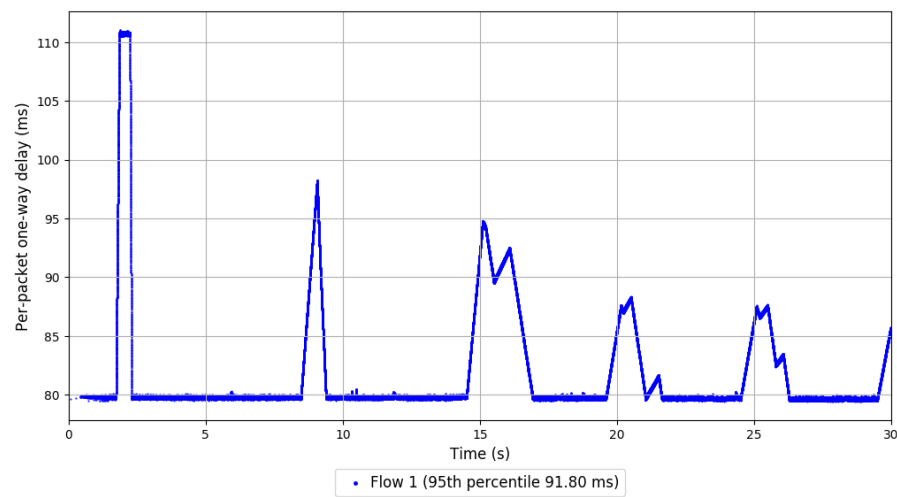
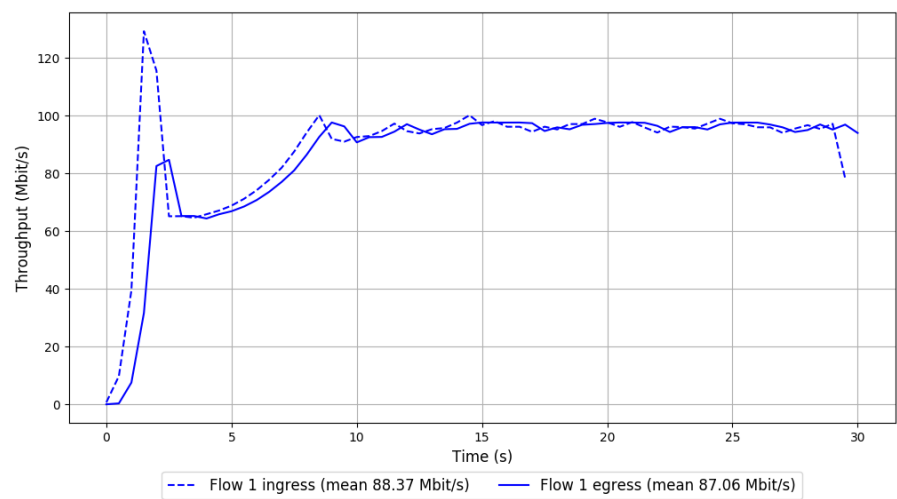
-- Flow 1:

Average throughput: 87.06 Mbit/s

95th percentile per-packet one-way delay: 91.800 ms

Loss rate: 1.47%

Run 5: Report of PCC-Allegro — Data Link



Run 1: Statistics of PCC-Expr

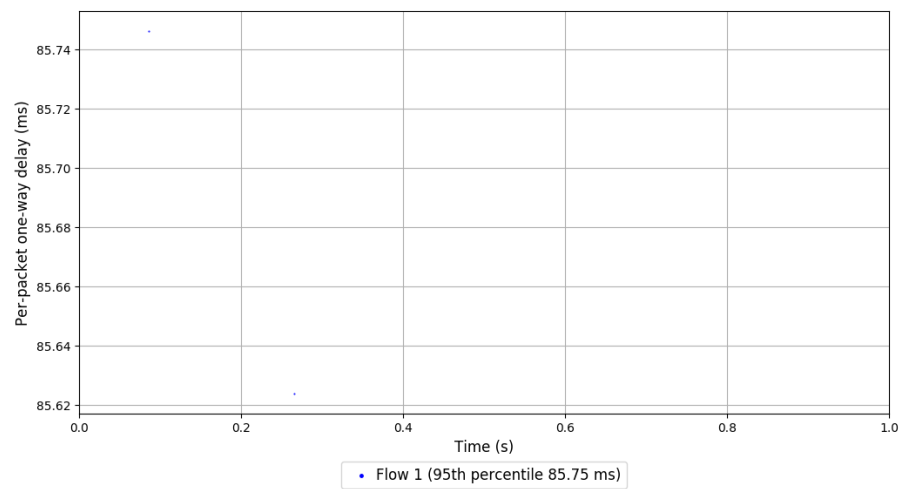
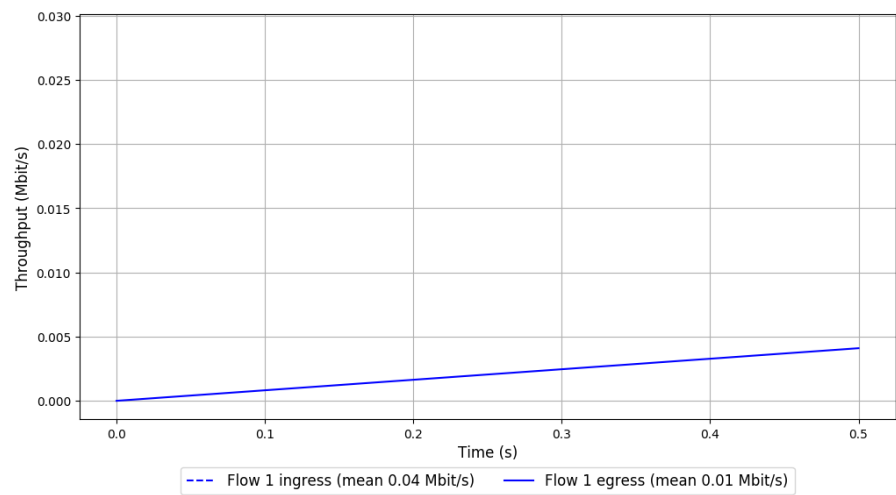
Start at: 2019-03-08 21:23:12

End at: 2019-03-08 21:23:42

Local clock offset: -6.818 ms

Remote clock offset: 5.781 ms

Run 1: Report of PCC-Expr — Data Link



Run 2: Statistics of PCC-Expr

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

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

Local clock offset: -7.576 ms

Remote clock offset: 5.569 ms

Below is generated by plot.py at 2019-03-08 23:32:06

Datalink statistics

-- Total of 1 flow:

Average throughput: 12.56 Mbit/s

95th percentile per-packet one-way delay: 84.051 ms

Loss rate: 58.57%

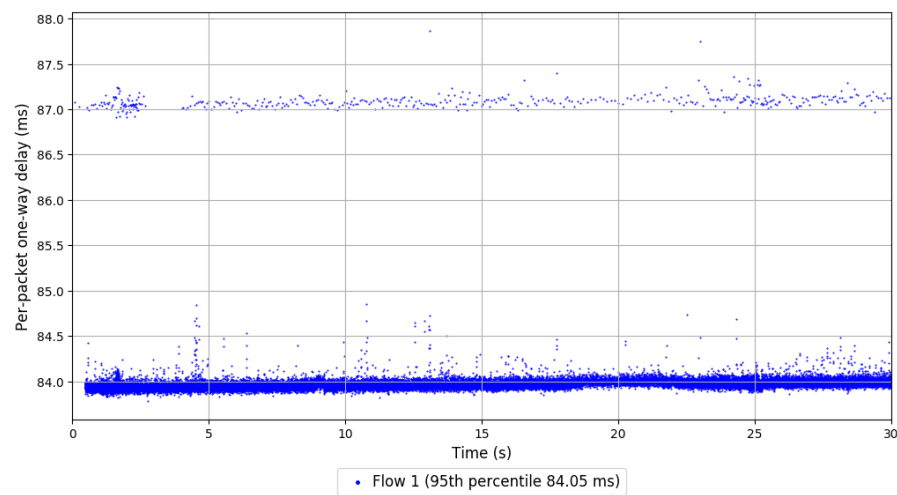
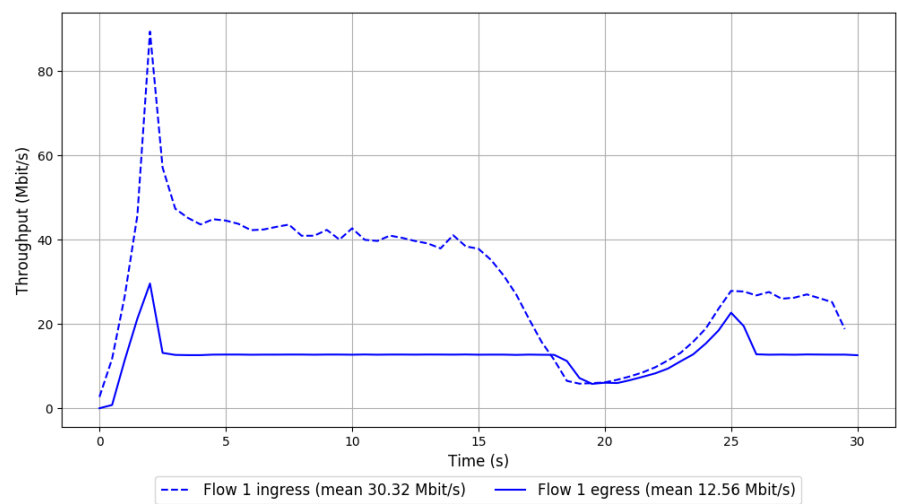
-- Flow 1:

Average throughput: 12.56 Mbit/s

95th percentile per-packet one-way delay: 84.051 ms

Loss rate: 58.57%

Run 2: Report of PCC-Expr — Data Link



Run 3: Statistics of PCC-Expr

Start at: 2019-03-08 22:12:35

End at: 2019-03-08 22:13:05

Local clock offset: -5.644 ms

Remote clock offset: 5.239 ms

Below is generated by plot.py at 2019-03-08 23:32:06

Datalink statistics

-- Total of 1 flow:

Average throughput: 12.53 Mbit/s

95th percentile per-packet one-way delay: 84.404 ms

Loss rate: 59.49%

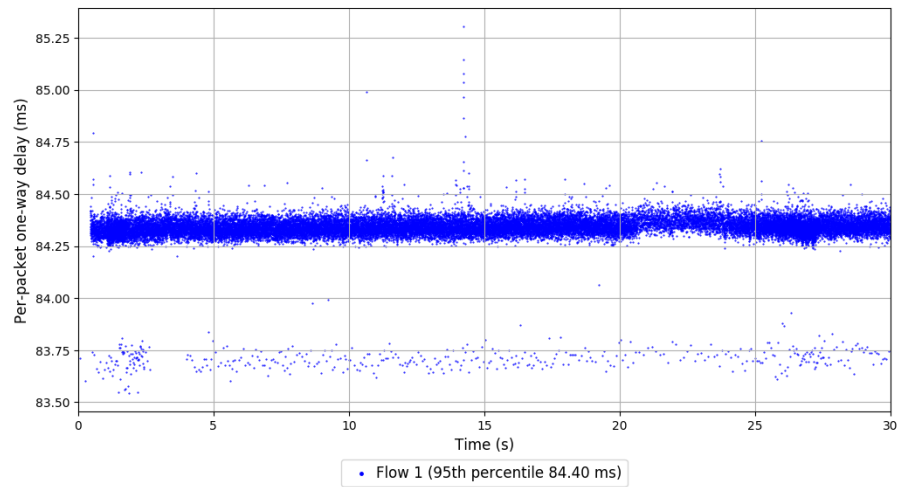
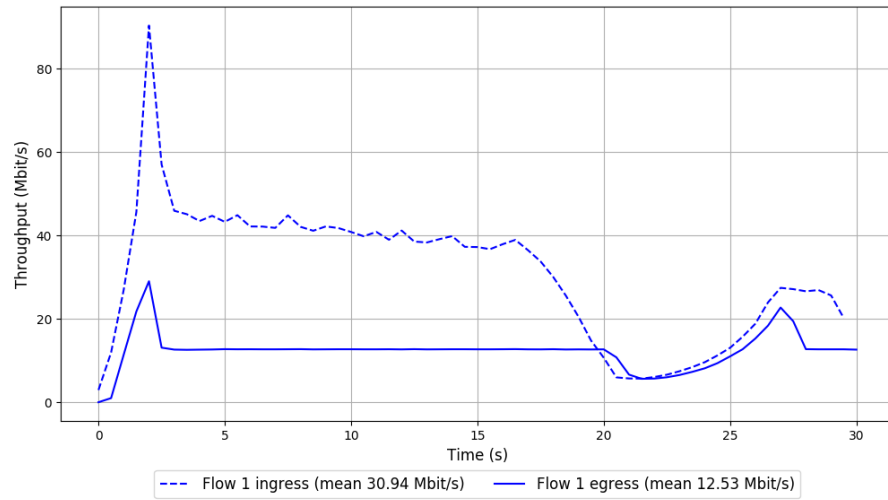
-- Flow 1:

Average throughput: 12.53 Mbit/s

95th percentile per-packet one-way delay: 84.404 ms

Loss rate: 59.49%

Run 3: Report of PCC-Expr — Data Link



Run 4: Statistics of PCC-Expr

Start at: 2019-03-08 22:37:17

End at: 2019-03-08 22:37:47

Local clock offset: -5.688 ms

Remote clock offset: 4.737 ms

Below is generated by plot.py at 2019-03-08 23:32:06

Datalink statistics

-- Total of 1 flow:

Average throughput: 12.17 Mbit/s

95th percentile per-packet one-way delay: 85.176 ms

Loss rate: 45.63%

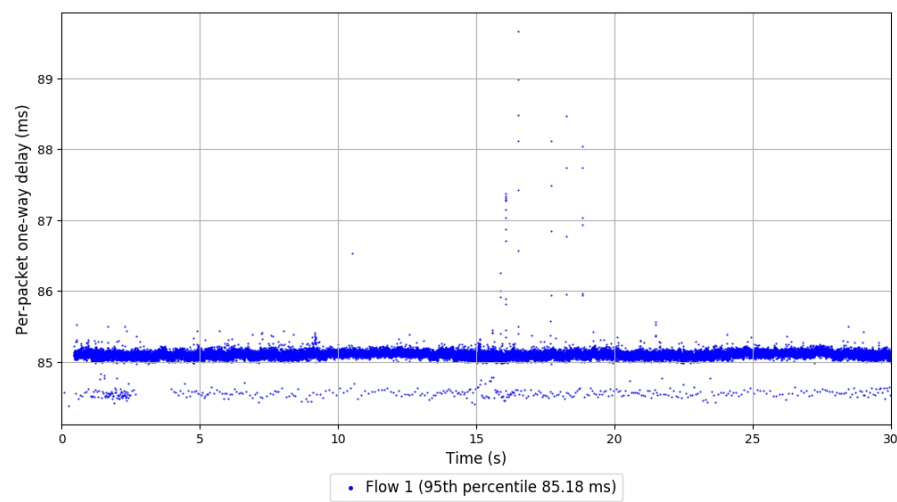
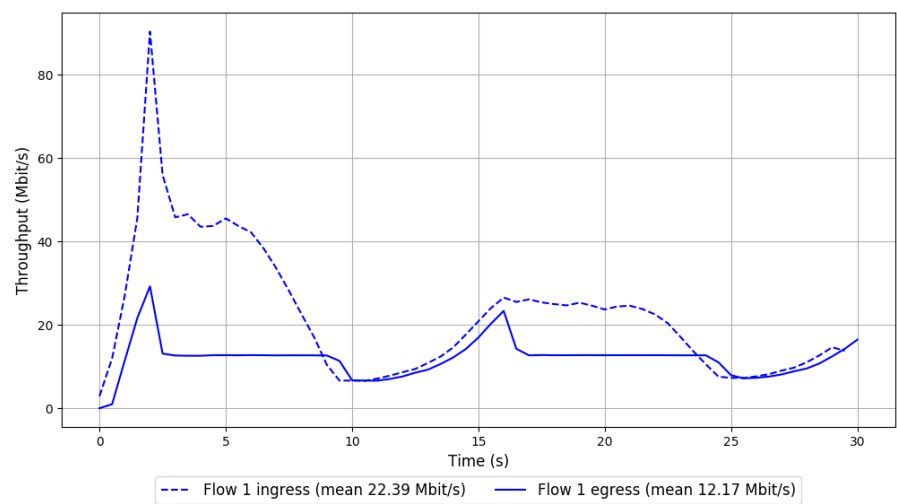
-- Flow 1:

Average throughput: 12.17 Mbit/s

95th percentile per-packet one-way delay: 85.176 ms

Loss rate: 45.63%

Run 4: Report of PCC-Expr — Data Link



Run 5: Statistics of PCC-Expr

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

End at: 2019-03-08 23:02:32

Local clock offset: -5.371 ms

Remote clock offset: -0.53 ms

Below is generated by plot.py at 2019-03-08 23:32:06

Datalink statistics

-- Total of 1 flow:

Average throughput: 12.53 Mbit/s

95th percentile per-packet one-way delay: 79.359 ms

Loss rate: 58.78%

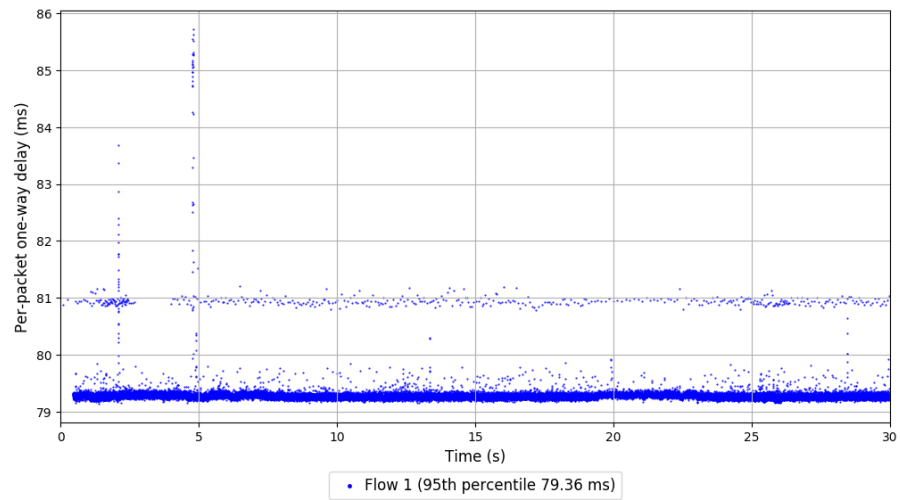
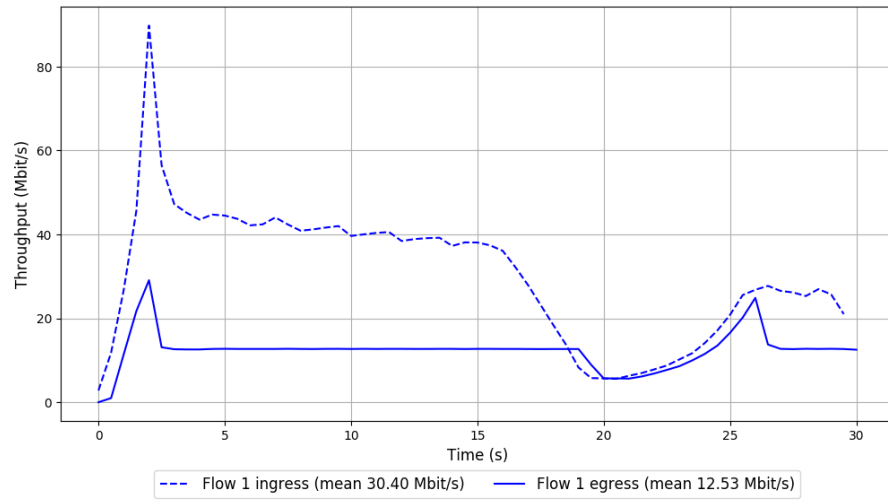
-- Flow 1:

Average throughput: 12.53 Mbit/s

95th percentile per-packet one-way delay: 79.359 ms

Loss rate: 58.78%

Run 5: Report of PCC-Expr — Data Link



Run 1: Statistics of QUIC Cubic

Start at: 2019-03-08 21:34:57

End at: 2019-03-08 21:35:27

Local clock offset: -7.096 ms

Remote clock offset: 6.361 ms

Below is generated by plot.py at 2019-03-08 23:32:09

Datalink statistics

-- Total of 1 flow:

Average throughput: 60.24 Mbit/s

95th percentile per-packet one-way delay: 102.021 ms

Loss rate: 0.42%

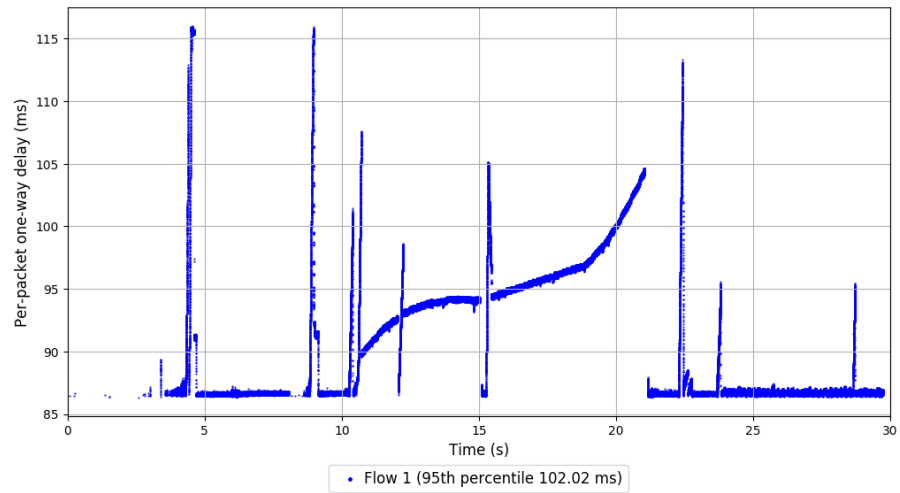
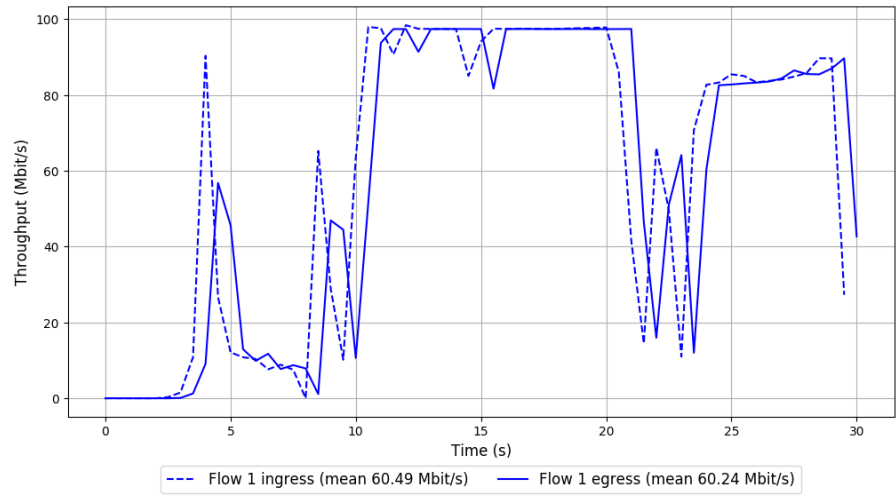
-- Flow 1:

Average throughput: 60.24 Mbit/s

95th percentile per-packet one-way delay: 102.021 ms

Loss rate: 0.42%

Run 1: Report of QUIC Cubic — Data Link



Run 2: Statistics of QUIC Cubic

Start at: 2019-03-08 21:59:39

End at: 2019-03-08 22:00:09

Local clock offset: -5.759 ms

Remote clock offset: 1.138 ms

Below is generated by plot.py at 2019-03-08 23:32:18

Datalink statistics

-- Total of 1 flow:

Average throughput: 73.51 Mbit/s

95th percentile per-packet one-way delay: 100.672 ms

Loss rate: 0.34%

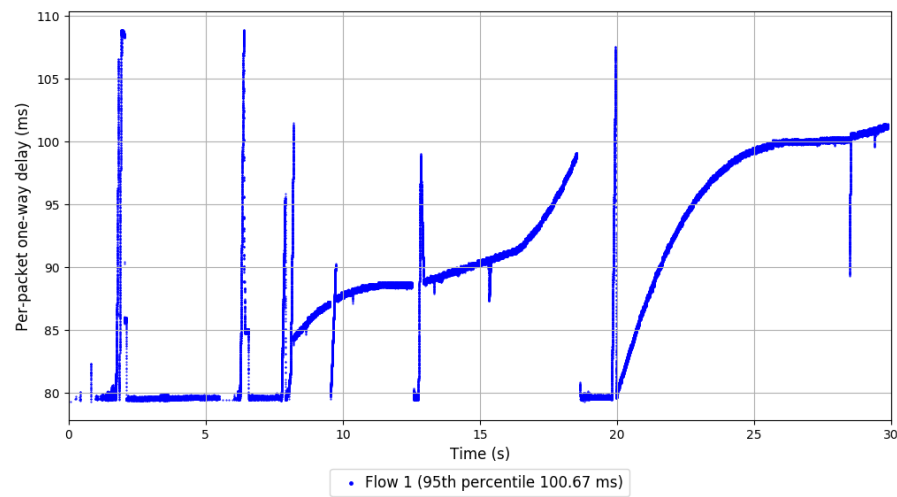
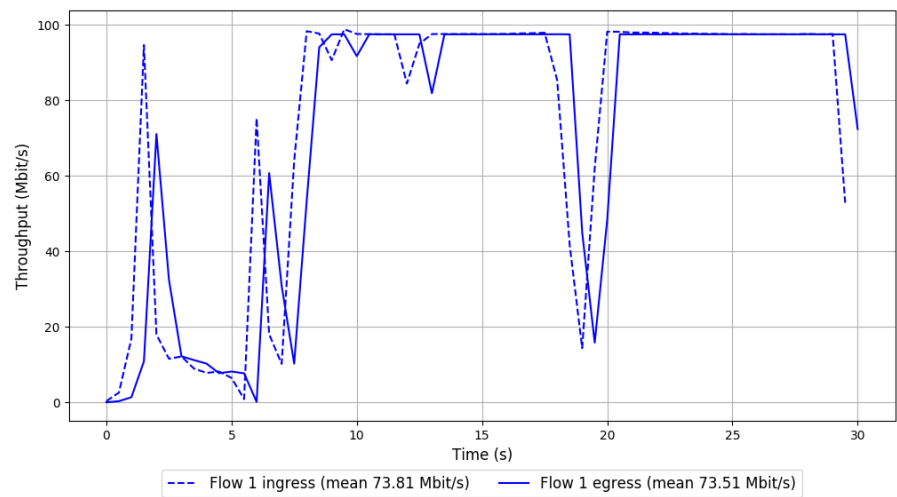
-- Flow 1:

Average throughput: 73.51 Mbit/s

95th percentile per-packet one-way delay: 100.672 ms

Loss rate: 0.34%

Run 2: Report of QUIC Cubic — Data Link



Run 3: Statistics of QUIC Cubic

Start at: 2019-03-08 22:24:19

End at: 2019-03-08 22:24:49

Local clock offset: -5.073 ms

Remote clock offset: 4.66 ms

Below is generated by plot.py at 2019-03-08 23:32:18

Datalink statistics

-- Total of 1 flow:

Average throughput: 66.60 Mbit/s

95th percentile per-packet one-way delay: 95.738 ms

Loss rate: 0.35%

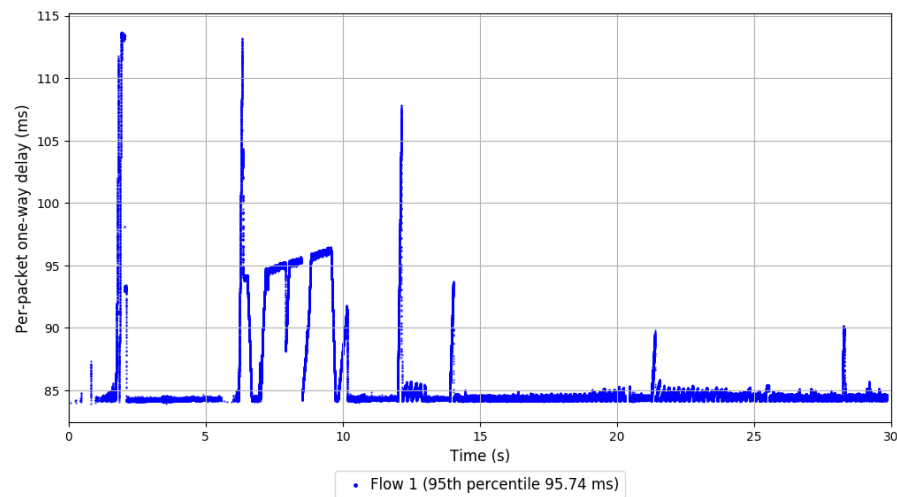
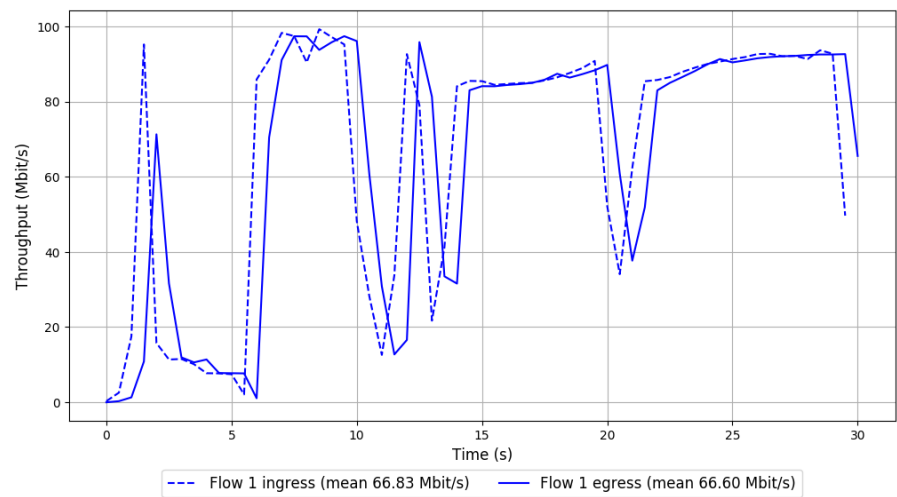
-- Flow 1:

Average throughput: 66.60 Mbit/s

95th percentile per-packet one-way delay: 95.738 ms

Loss rate: 0.35%

Run 3: Report of QUIC Cubic — Data Link

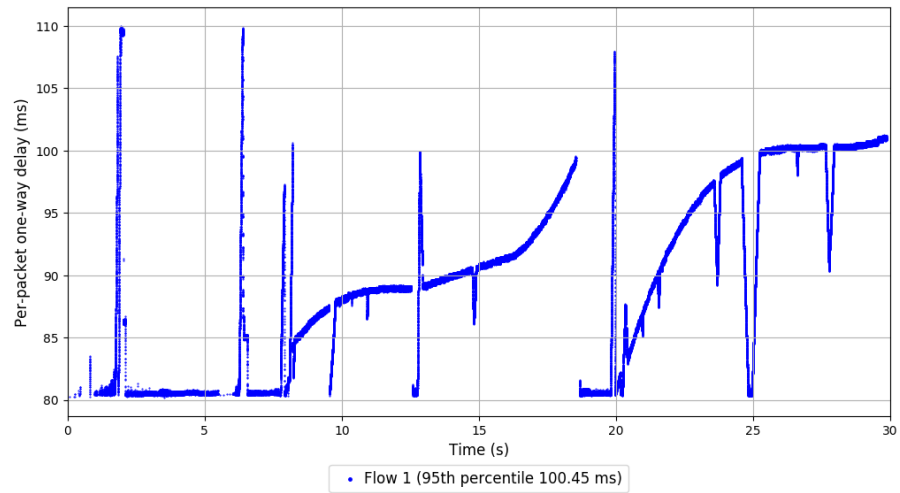
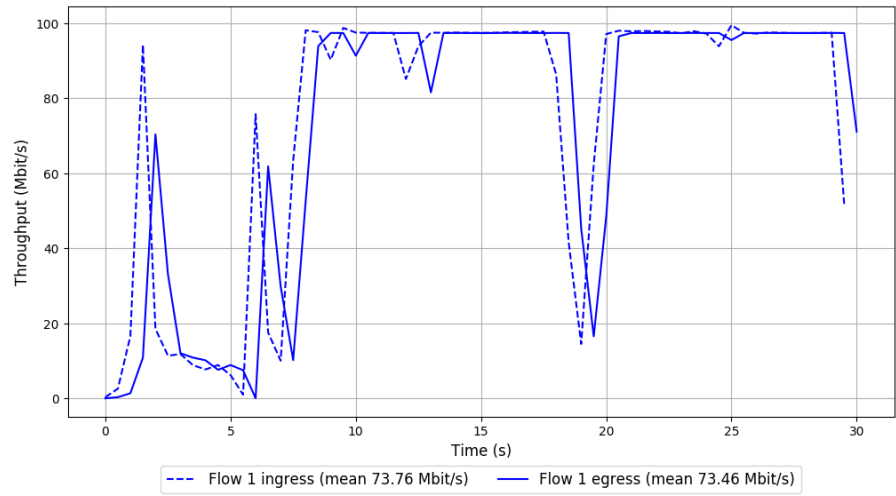


Run 4: Statistics of QUIC Cubic

Start at: 2019-03-08 22:49:03
End at: 2019-03-08 22:49:33
Local clock offset: -5.162 ms
Remote clock offset: -0.665 ms

Below is generated by plot.py at 2019-03-08 23:32:19
Datalink statistics
-- Total of 1 flow:
Average throughput: 73.46 Mbit/s
95th percentile per-packet one-way delay: 100.450 ms
Loss rate: 0.35%
-- Flow 1:
Average throughput: 73.46 Mbit/s
95th percentile per-packet one-way delay: 100.450 ms
Loss rate: 0.35%

Run 4: Report of QUIC Cubic — Data Link



Run 5: Statistics of QUIC Cubic

Start at: 2019-03-08 23:13:46

End at: 2019-03-08 23:14:16

Local clock offset: -5.508 ms

Remote clock offset: 5.425 ms

Below is generated by plot.py at 2019-03-08 23:32:19

Datalink statistics

-- Total of 1 flow:

Average throughput: 62.29 Mbit/s

95th percentile per-packet one-way delay: 81.201 ms

Loss rate: 0.41%

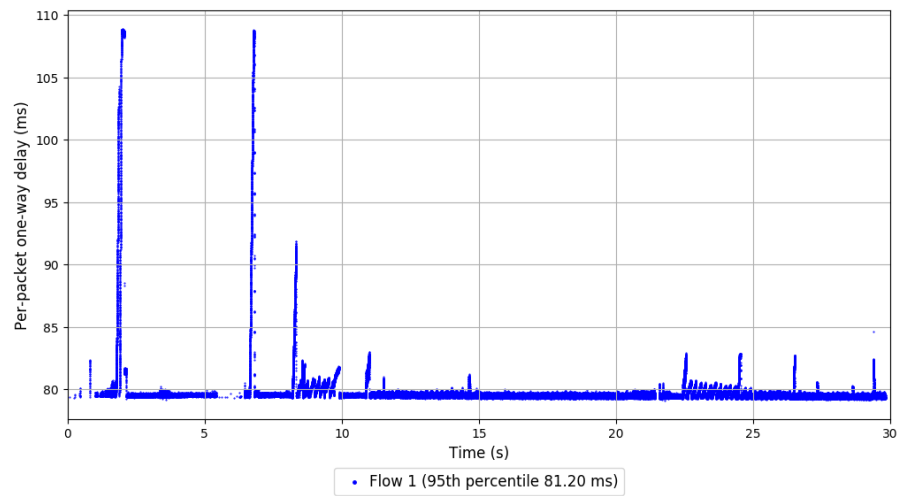
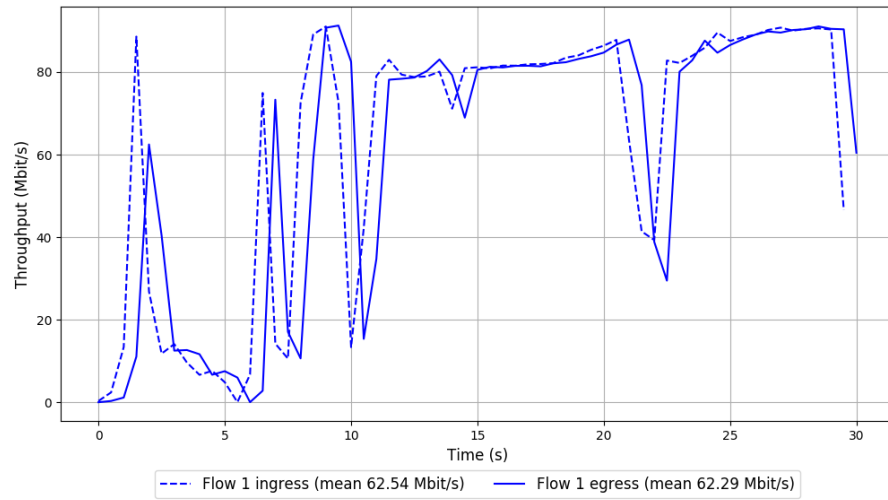
-- Flow 1:

Average throughput: 62.29 Mbit/s

95th percentile per-packet one-way delay: 81.201 ms

Loss rate: 0.41%

Run 5: Report of QUIC Cubic — Data Link

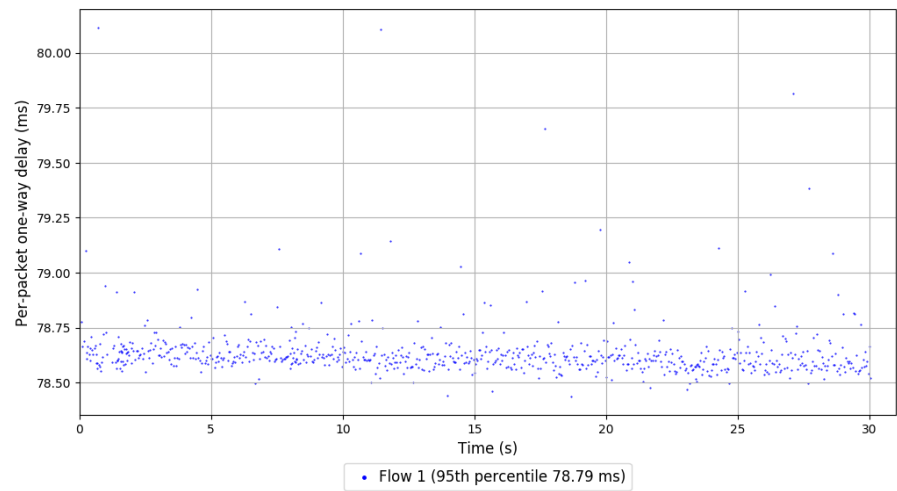
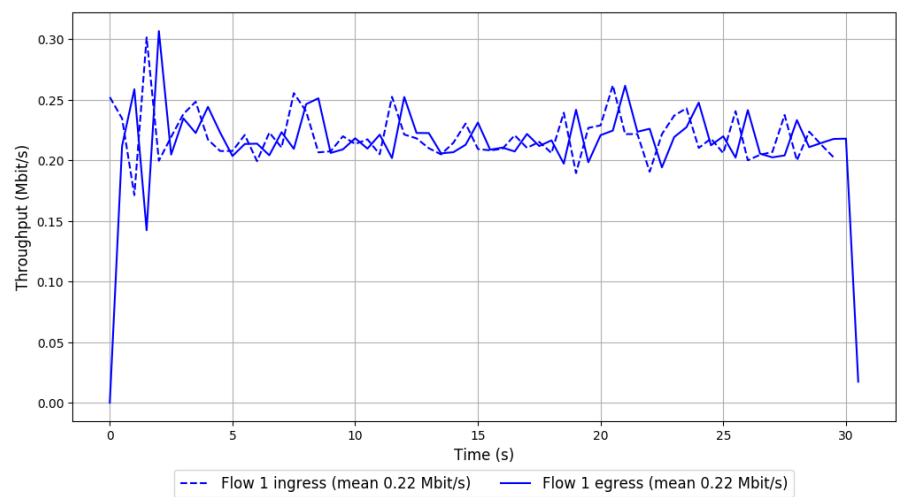


```
Run 1: Statistics of SCReAM

Start at: 2019-03-08 21:20:52
End at: 2019-03-08 21:21:22
Local clock offset: -6.805 ms
Remote clock offset: 0.26 ms

# Below is generated by plot.py at 2019-03-08 23:32:19
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 78.786 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 78.786 ms
Loss rate: 0.00%
```

Run 1: Report of SReAM — Data Link



Run 2: Statistics of SCReAM

Start at: 2019-03-08 21:45:34

End at: 2019-03-08 21:46:04

Local clock offset: -7.993 ms

Remote clock offset: 1.555 ms

Below is generated by plot.py at 2019-03-08 23:32:19

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 83.241 ms

Loss rate: 0.00%

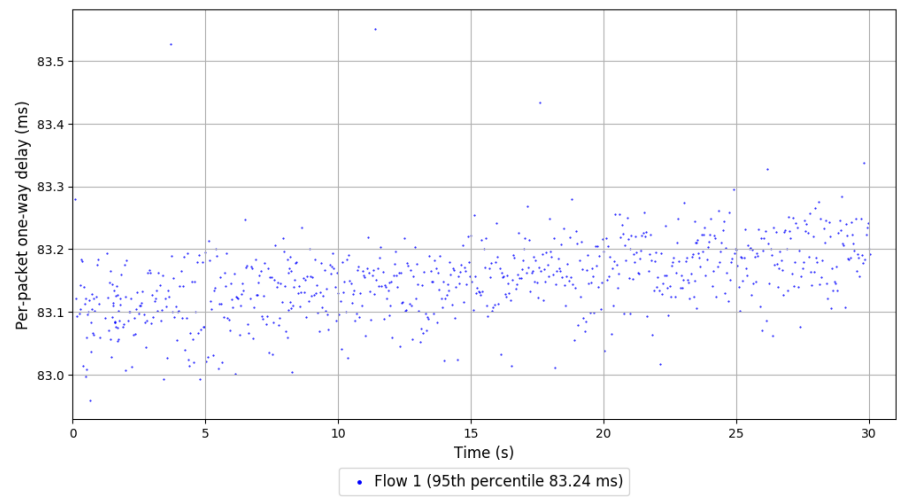
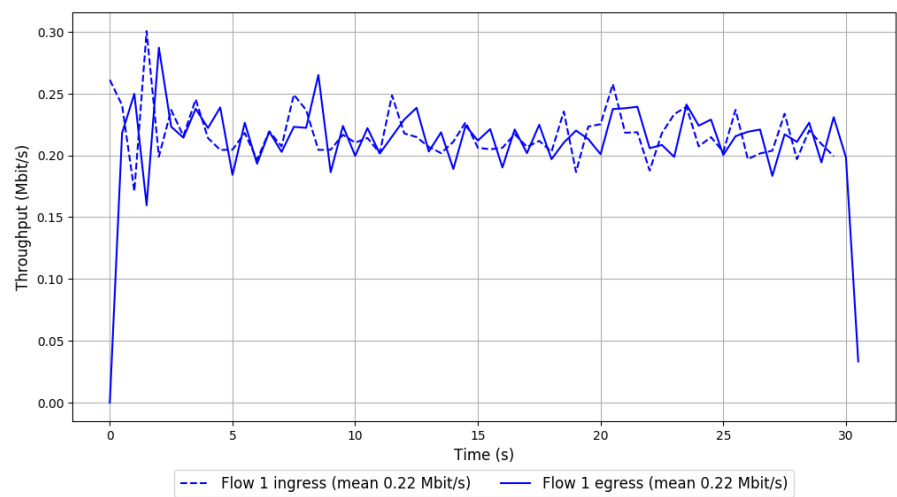
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 83.241 ms

Loss rate: 0.00%

Run 2: Report of SReAM — Data Link



Run 3: Statistics of SCReAM

Start at: 2019-03-08 22:10:16

End at: 2019-03-08 22:10:46

Local clock offset: -6.4 ms

Remote clock offset: 5.473 ms

Below is generated by plot.py at 2019-03-08 23:32:19

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 87.627 ms

Loss rate: 0.00%

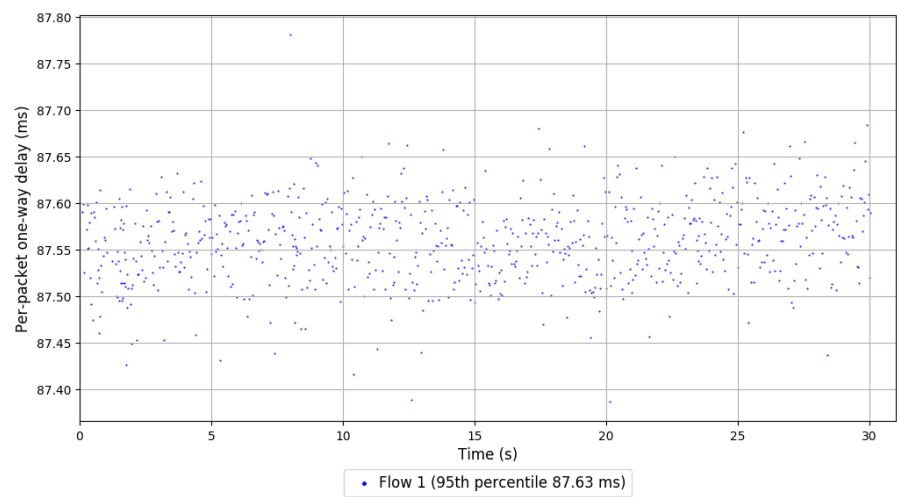
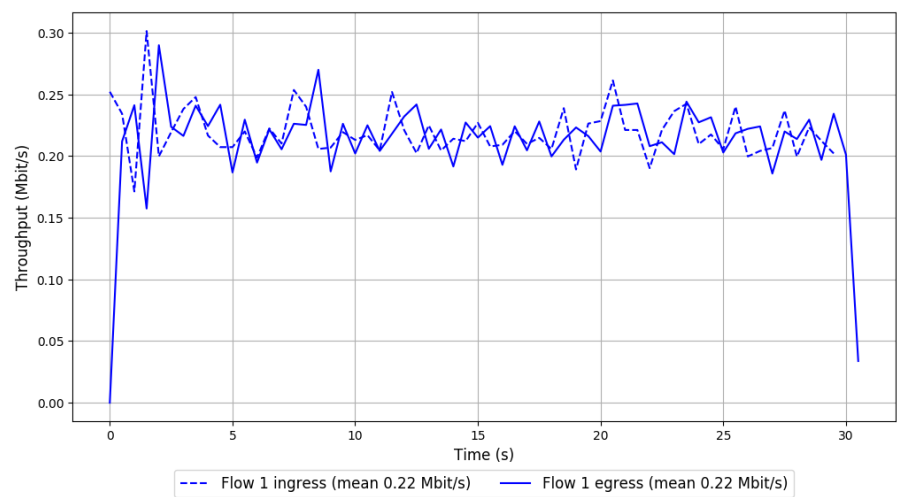
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 87.627 ms

Loss rate: 0.00%

Run 3: Report of SReAM — Data Link

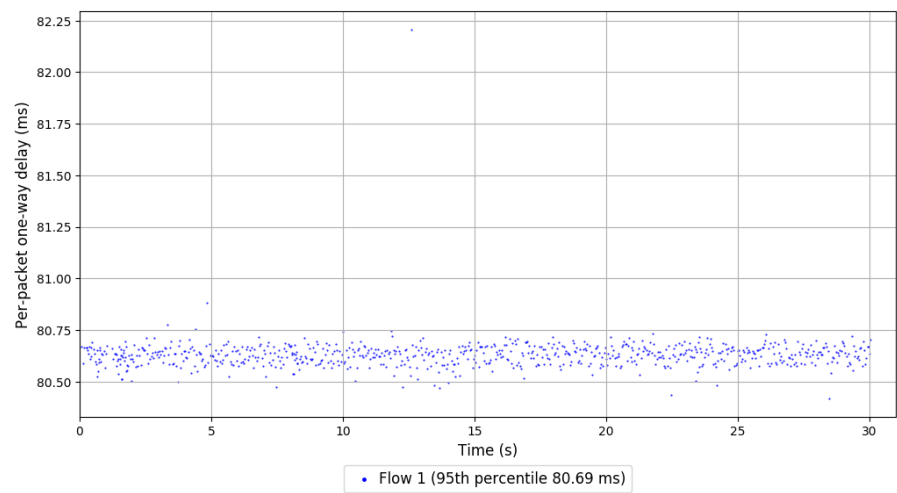
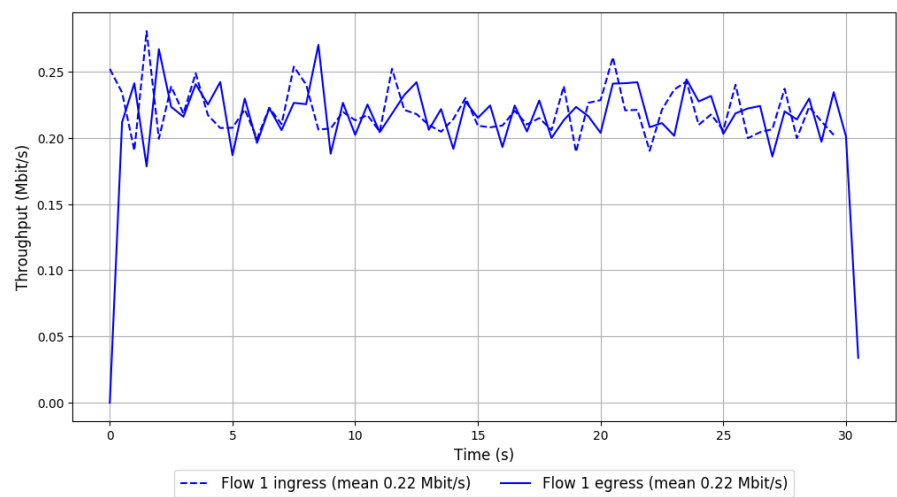


Run 4: Statistics of SCReAM

Start at: 2019-03-08 22:34:58
End at: 2019-03-08 22:35:28
Local clock offset: -4.944 ms
Remote clock offset: -0.193 ms

Below is generated by plot.py at 2019-03-08 23:32:19
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 80.695 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 80.695 ms
Loss rate: 0.00%

Run 4: Report of SReAM — Data Link



Run 5: Statistics of SCReAM

Start at: 2019-03-08 22:59:42

End at: 2019-03-08 23:00:12

Local clock offset: -5.347 ms

Remote clock offset: 5.688 ms

Below is generated by plot.py at 2019-03-08 23:32:19

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 88.063 ms

Loss rate: 0.13%

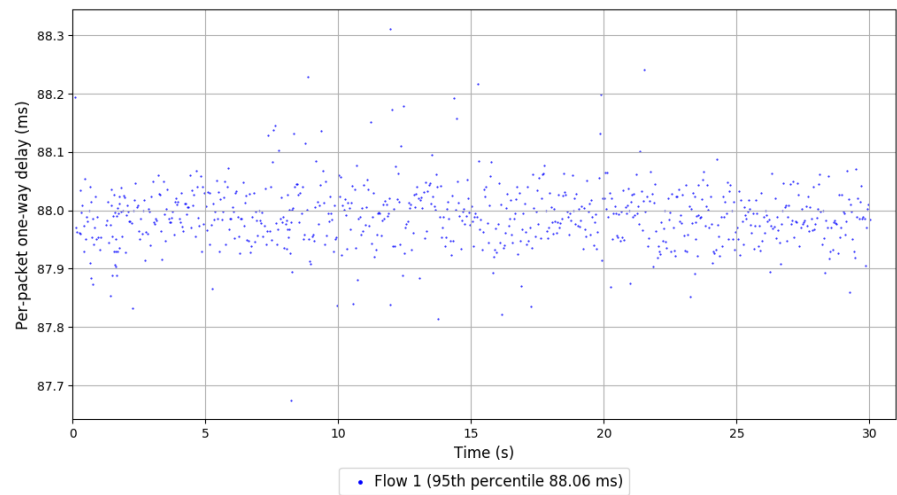
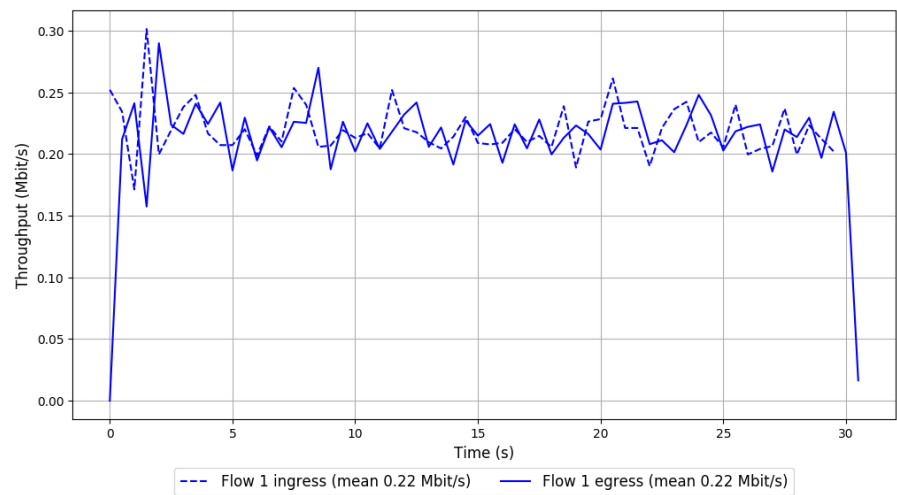
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 88.063 ms

Loss rate: 0.13%

Run 5: Report of SReAM — Data Link



Run 1: Statistics of Sprout

Start at: 2019-03-08 21:37:19

End at: 2019-03-08 21:37:50

Local clock offset: -7.992 ms

Remote clock offset: 2.578 ms

Below is generated by plot.py at 2019-03-08 23:32:19

Datalink statistics

-- Total of 1 flow:

Average throughput: 2.88 Mbit/s

95th percentile per-packet one-way delay: 86.129 ms

Loss rate: 0.00%

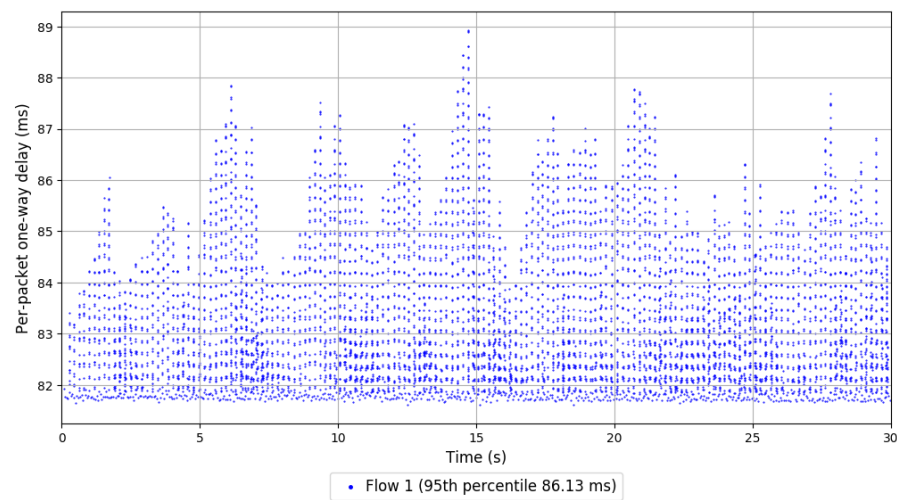
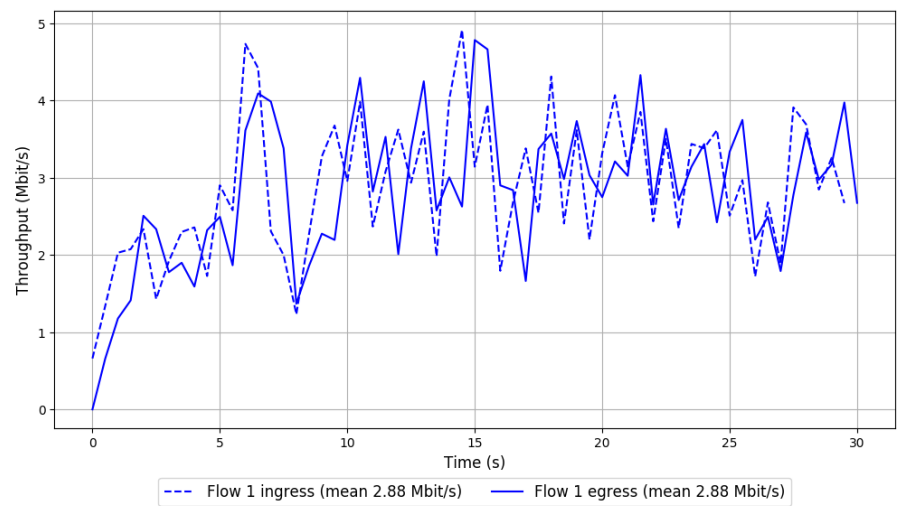
-- Flow 1:

Average throughput: 2.88 Mbit/s

95th percentile per-packet one-way delay: 86.129 ms

Loss rate: 0.00%

Run 1: Report of Sprout — Data Link

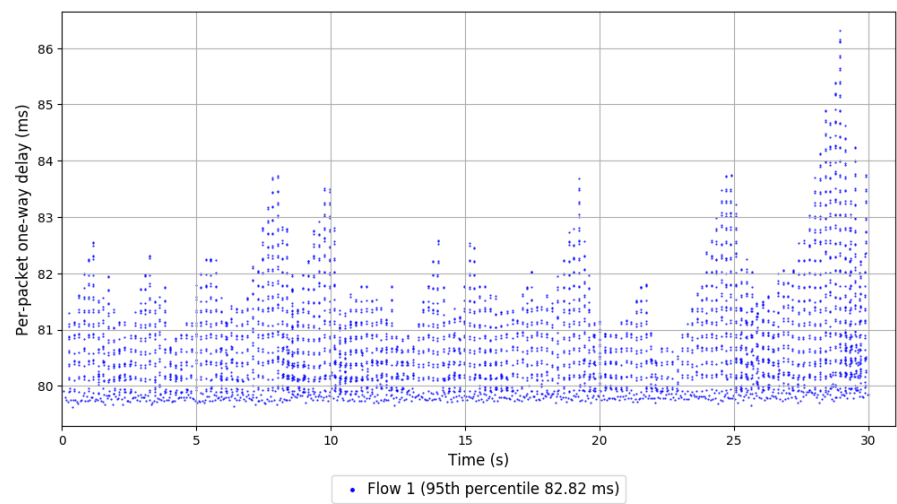
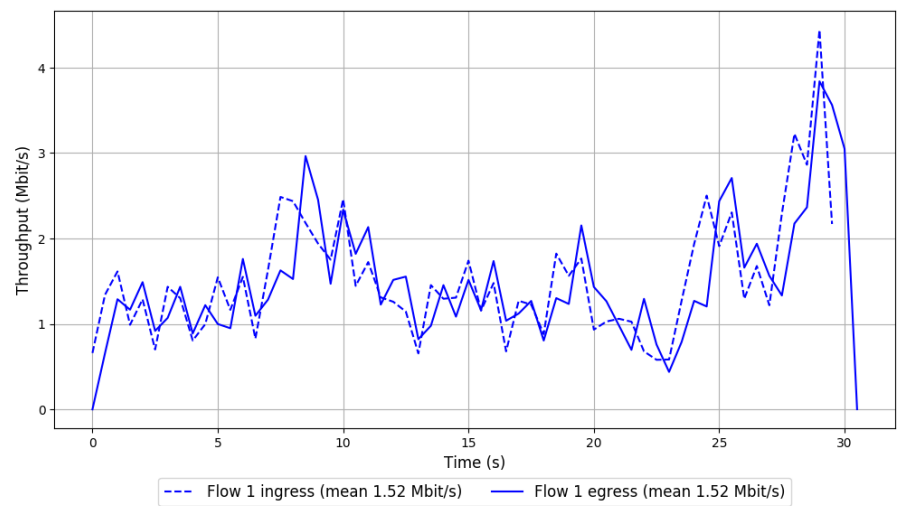


Run 2: Statistics of Sprout

Start at: 2019-03-08 22:02:02
End at: 2019-03-08 22:02:32
Local clock offset: -5.693 ms
Remote clock offset: 1.824 ms

Below is generated by plot.py at 2019-03-08 23:32:19
Datalink statistics
-- Total of 1 flow:
Average throughput: 1.52 Mbit/s
95th percentile per-packet one-way delay: 82.816 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 1.52 Mbit/s
95th percentile per-packet one-way delay: 82.816 ms
Loss rate: 0.00%

Run 2: Report of Sprout — Data Link

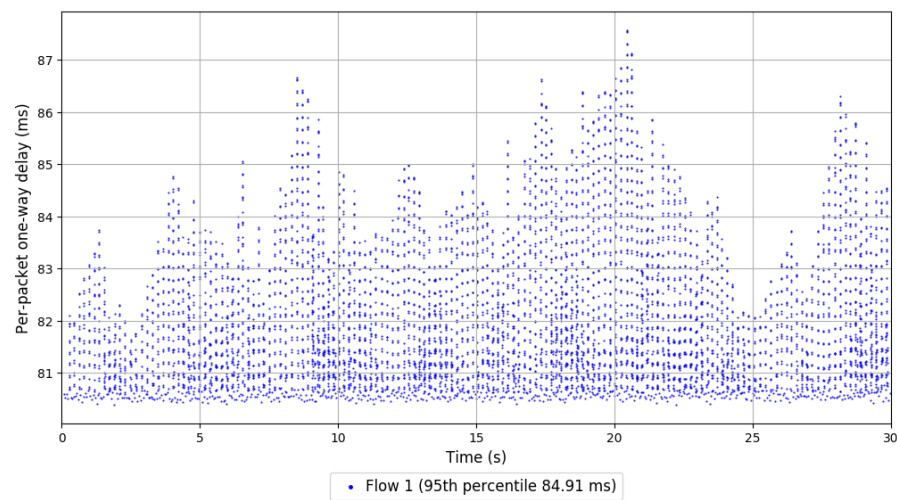
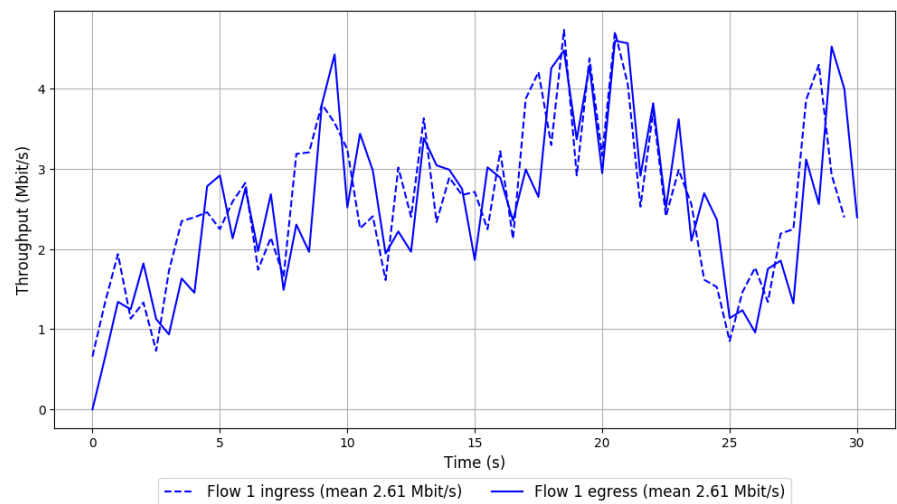


Run 3: Statistics of Sprout

Start at: 2019-03-08 22:26:42
End at: 2019-03-08 22:27:12
Local clock offset: -5.0 ms
Remote clock offset: -0.016 ms

Below is generated by plot.py at 2019-03-08 23:32:19
Datalink statistics
-- Total of 1 flow:
Average throughput: 2.61 Mbit/s
95th percentile per-packet one-way delay: 84.912 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.61 Mbit/s
95th percentile per-packet one-way delay: 84.912 ms
Loss rate: 0.00%

Run 3: Report of Sprout — Data Link

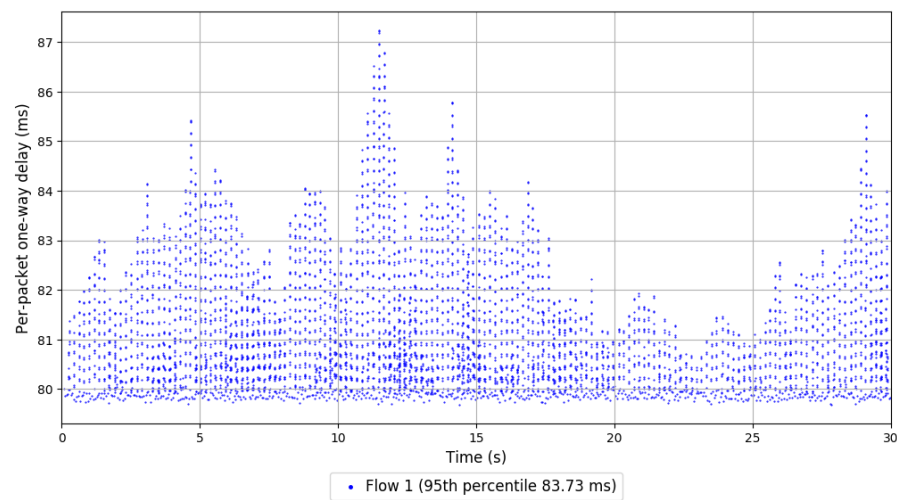
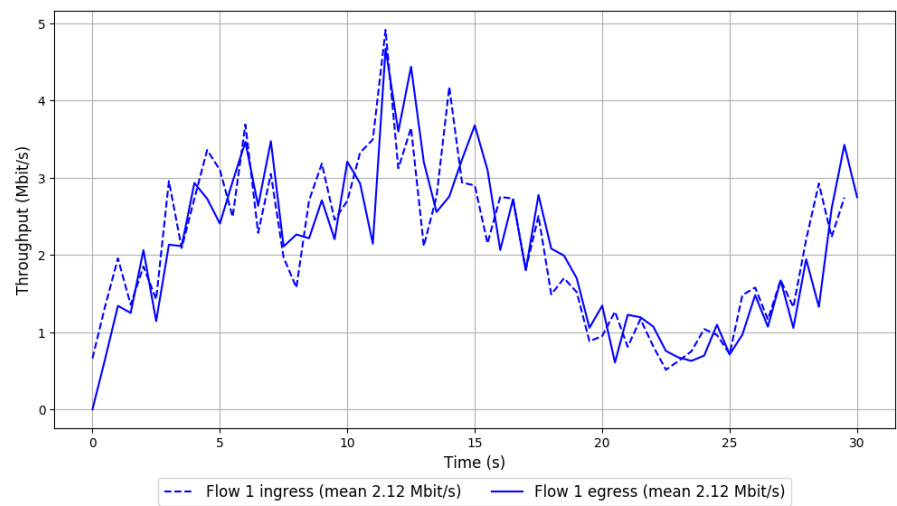


Run 4: Statistics of Sprout

Start at: 2019-03-08 22:51:27
End at: 2019-03-08 22:51:57
Local clock offset: -5.163 ms
Remote clock offset: 0.798 ms

Below is generated by plot.py at 2019-03-08 23:32:19
Datalink statistics
-- Total of 1 flow:
Average throughput: 2.12 Mbit/s
95th percentile per-packet one-way delay: 83.726 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.12 Mbit/s
95th percentile per-packet one-way delay: 83.726 ms
Loss rate: 0.00%

Run 4: Report of Sprout — Data Link



Run 5: Statistics of Sprout

Start at: 2019-03-08 23:16:09

End at: 2019-03-08 23:16:39

Local clock offset: -6.208 ms

Remote clock offset: 12.26 ms

Below is generated by plot.py at 2019-03-08 23:32:19

Datalink statistics

-- Total of 1 flow:

Average throughput: 2.70 Mbit/s

95th percentile per-packet one-way delay: 89.837 ms

Loss rate: 0.00%

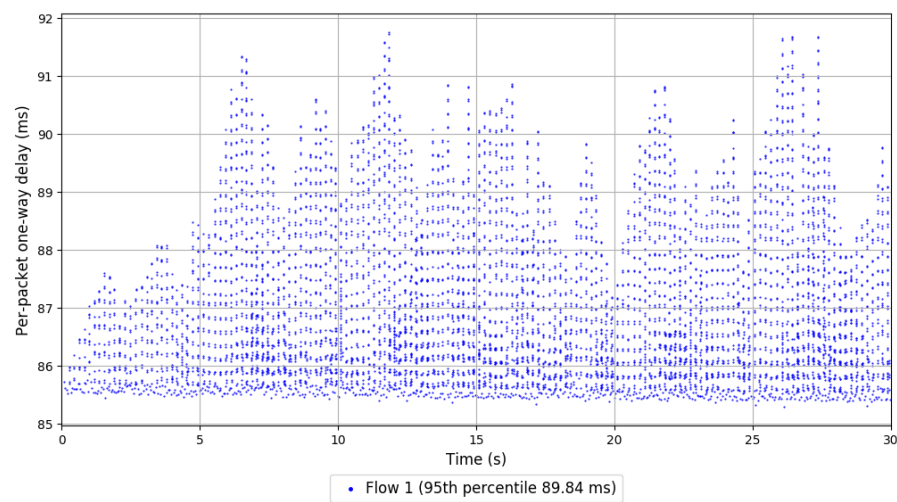
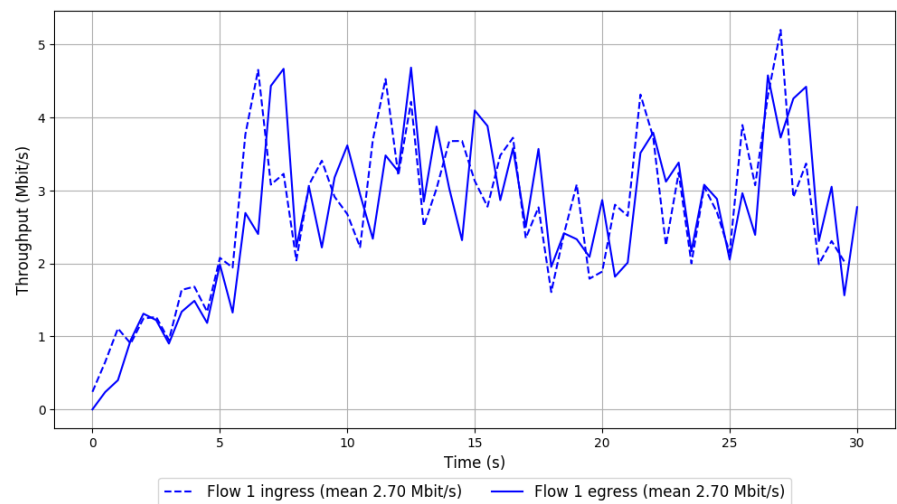
-- Flow 1:

Average throughput: 2.70 Mbit/s

95th percentile per-packet one-way delay: 89.837 ms

Loss rate: 0.00%

Run 5: Report of Sprout — Data Link



Run 1: Statistics of TaoVA-100x

Start at: 2019-03-08 21:24:19

End at: 2019-03-08 21:24:49

Local clock offset: -7.579 ms

Remote clock offset: 1.843 ms

Below is generated by plot.py at 2019-03-08 23:32:19

Datalink statistics

-- Total of 1 flow:

Average throughput: 12.59 Mbit/s

95th percentile per-packet one-way delay: 84.074 ms

Loss rate: 25.05%

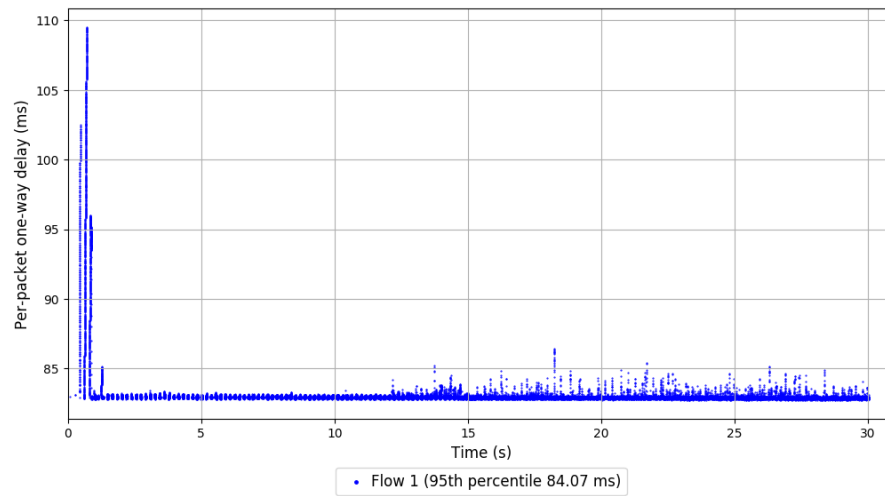
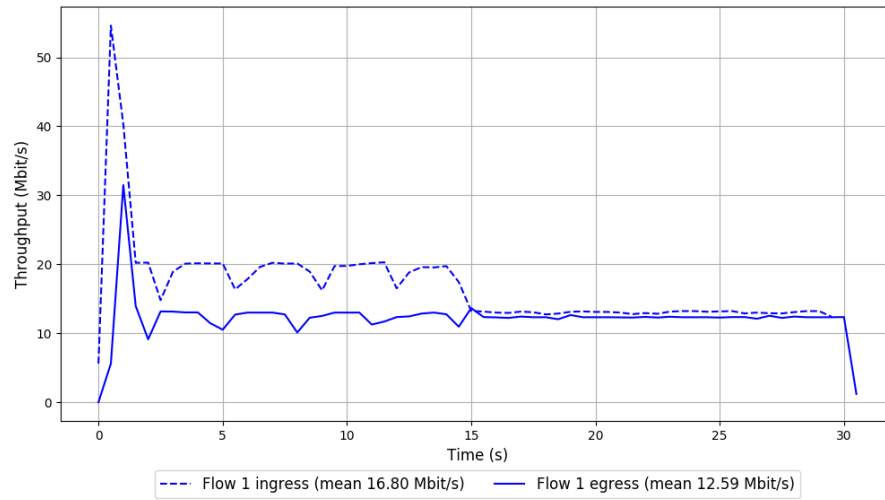
-- Flow 1:

Average throughput: 12.59 Mbit/s

95th percentile per-packet one-way delay: 84.074 ms

Loss rate: 25.05%

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



Run 2: Statistics of TaoVA-100x

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

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

Local clock offset: -6.55 ms

Remote clock offset: 3.109 ms

Below is generated by plot.py at 2019-03-08 23:32:19

Datalink statistics

-- Total of 1 flow:

Average throughput: 12.59 Mbit/s

95th percentile per-packet one-way delay: 81.078 ms

Loss rate: 31.48%

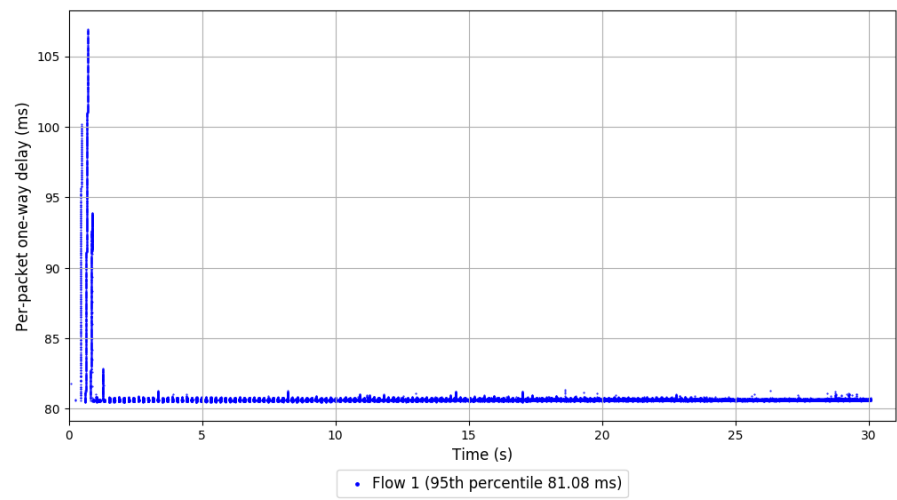
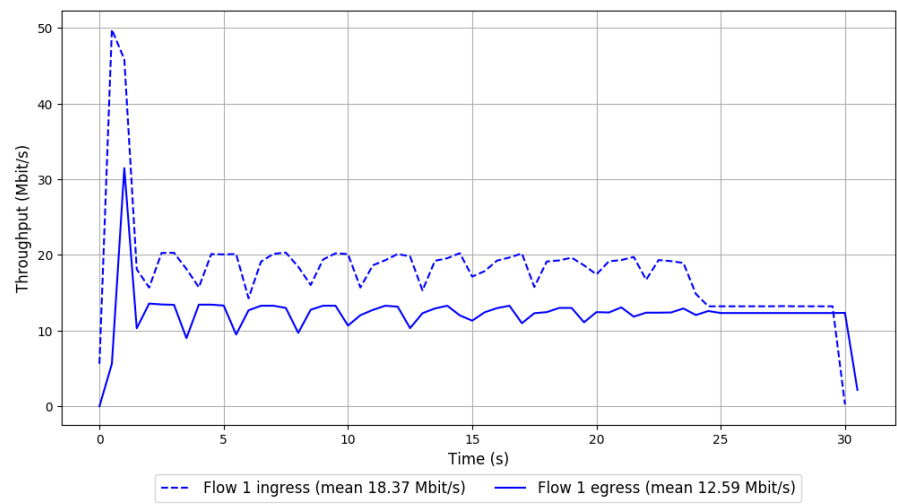
-- Flow 1:

Average throughput: 12.59 Mbit/s

95th percentile per-packet one-way delay: 81.078 ms

Loss rate: 31.48%

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



Run 3: Statistics of TaoVA-100x

Start at: 2019-03-08 22:13:44

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

Local clock offset: -6.401 ms

Remote clock offset: 0.174 ms

Below is generated by plot.py at 2019-03-08 23:32:19

Datalink statistics

-- Total of 1 flow:

Average throughput: 12.58 Mbit/s

95th percentile per-packet one-way delay: 82.196 ms

Loss rate: 31.39%

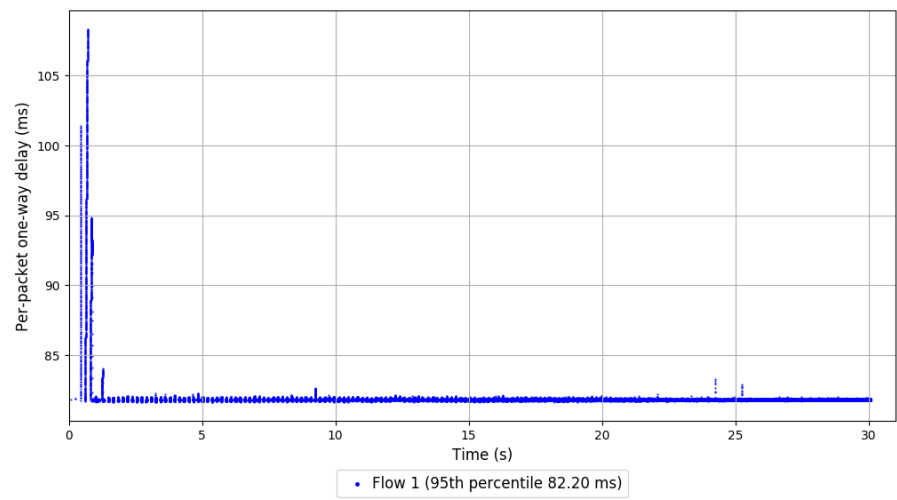
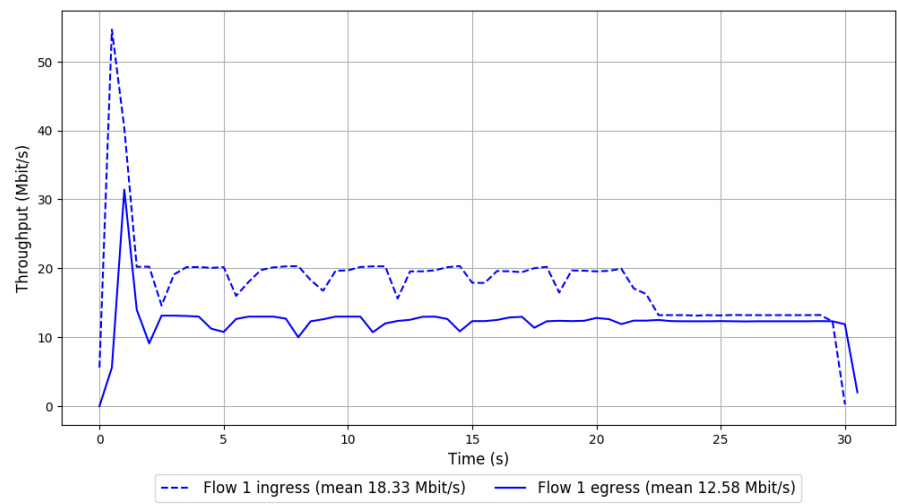
-- Flow 1:

Average throughput: 12.58 Mbit/s

95th percentile per-packet one-way delay: 82.196 ms

Loss rate: 31.39%

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



Run 4: Statistics of TaoVA-100x

Start at: 2019-03-08 22:38:26

End at: 2019-03-08 22:38:56

Local clock offset: -4.887 ms

Remote clock offset: 5.804 ms

Below is generated by plot.py at 2019-03-08 23:32:19

Datalink statistics

-- Total of 1 flow:

Average throughput: 12.59 Mbit/s

95th percentile per-packet one-way delay: 87.702 ms

Loss rate: 35.82%

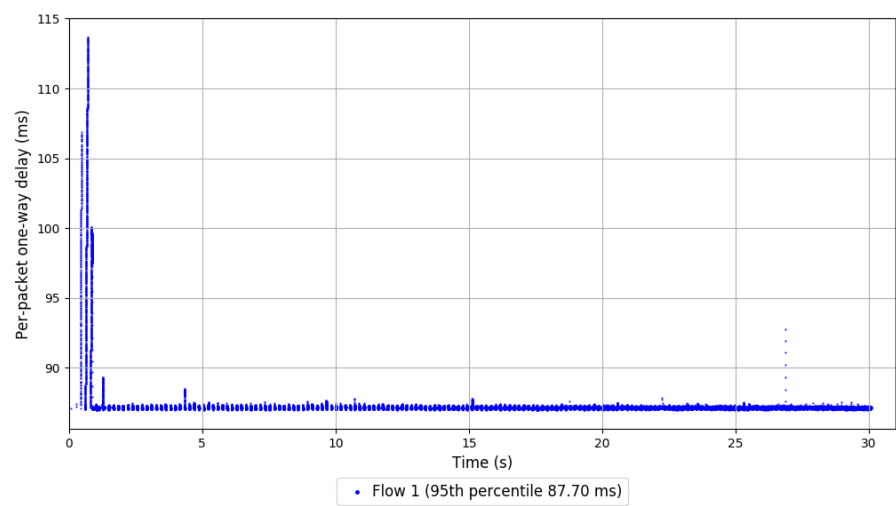
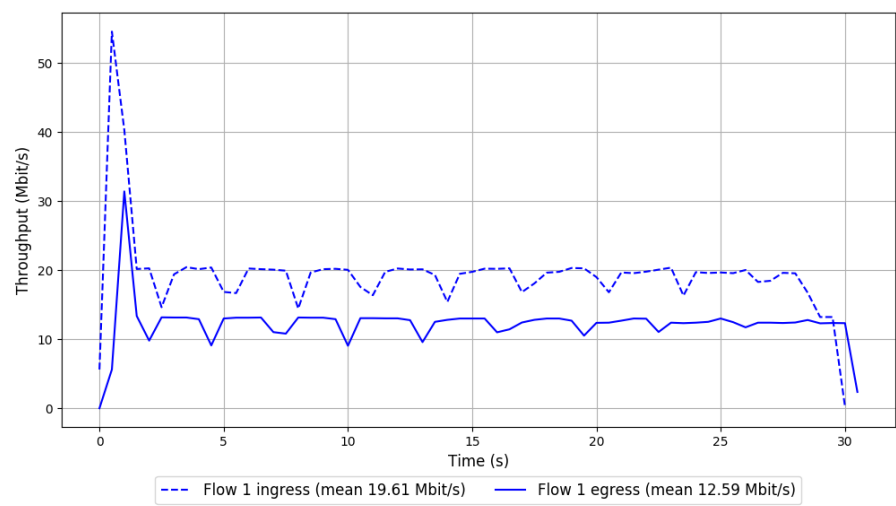
-- Flow 1:

Average throughput: 12.59 Mbit/s

95th percentile per-packet one-way delay: 87.702 ms

Loss rate: 35.82%

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

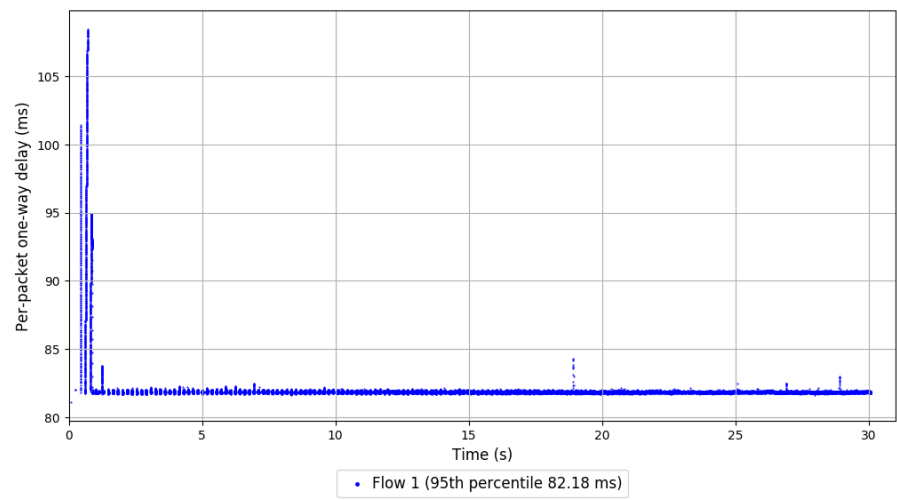
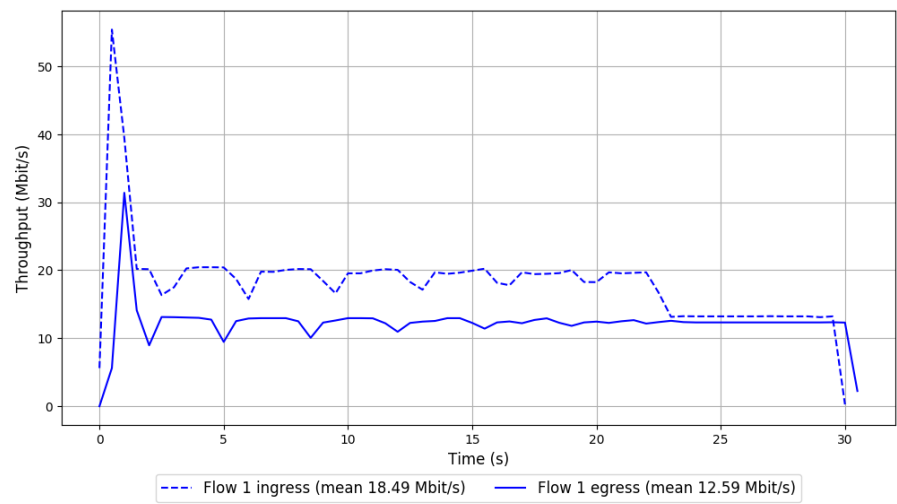


Run 5: Statistics of TaoVA-100x

Start at: 2019-03-08 23:03:11
End at: 2019-03-08 23:03:41
Local clock offset: -6.156 ms
Remote clock offset: -0.491 ms

Below is generated by plot.py at 2019-03-08 23:32:19
Datalink statistics
-- Total of 1 flow:
Average throughput: 12.59 Mbit/s
95th percentile per-packet one-way delay: 82.184 ms
Loss rate: 31.92%
-- Flow 1:
Average throughput: 12.59 Mbit/s
95th percentile per-packet one-way delay: 82.184 ms
Loss rate: 31.92%

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



Run 1: Statistics of TCP Vegas

Start at: 2019-03-08 21:38:27

End at: 2019-03-08 21:38:57

Local clock offset: -7.213 ms

Remote clock offset: 1.513 ms

Below is generated by plot.py at 2019-03-08 23:32:35

Datalink statistics

-- Total of 1 flow:

Average throughput: 48.01 Mbit/s

95th percentile per-packet one-way delay: 79.478 ms

Loss rate: 0.75%

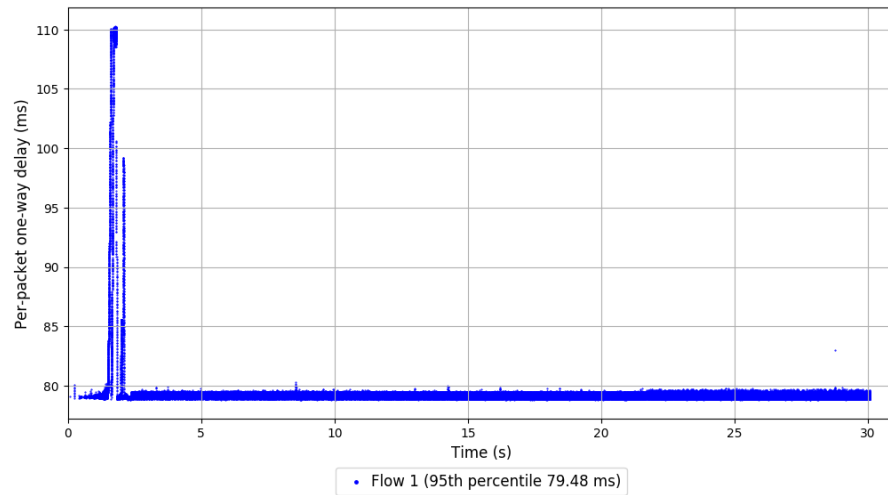
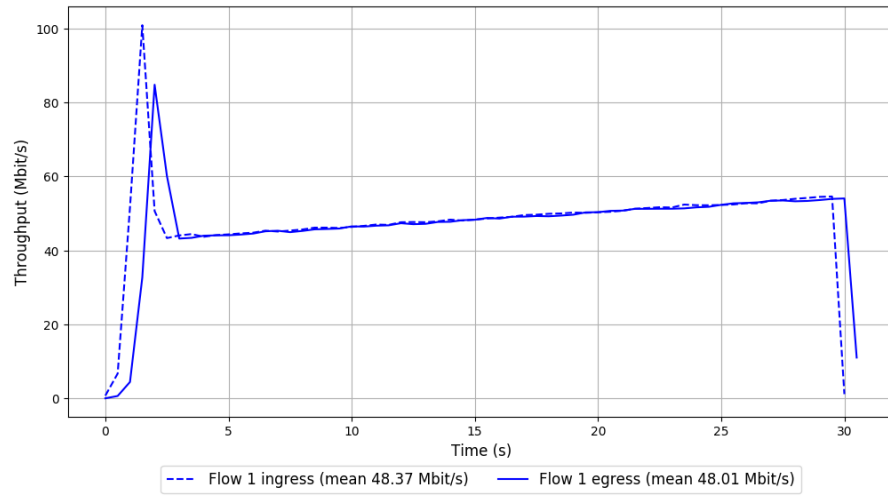
-- Flow 1:

Average throughput: 48.01 Mbit/s

95th percentile per-packet one-way delay: 79.478 ms

Loss rate: 0.75%

Run 1: Report of TCP Vegas — Data Link



Run 2: Statistics of TCP Vegas

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

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

Local clock offset: -6.435 ms

Remote clock offset: 5.563 ms

Below is generated by plot.py at 2019-03-08 23:32:59

Datalink statistics

-- Total of 1 flow:

Average throughput: 83.11 Mbit/s

95th percentile per-packet one-way delay: 86.118 ms

Loss rate: 0.44%

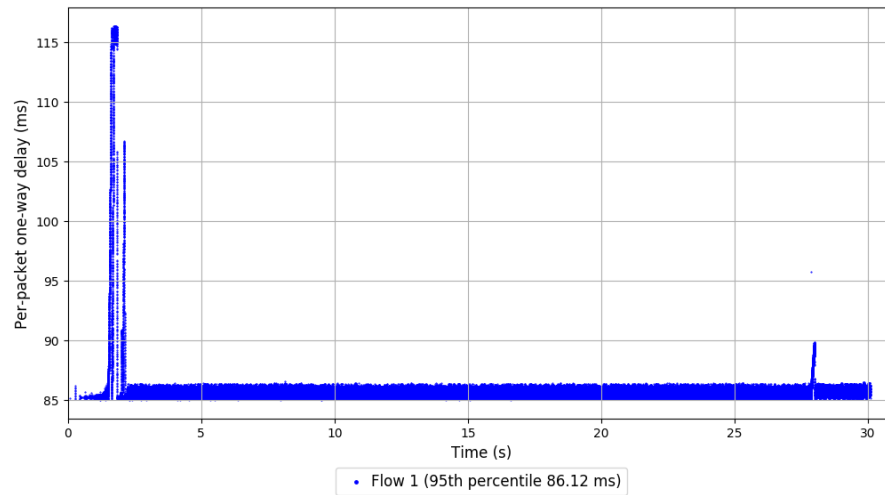
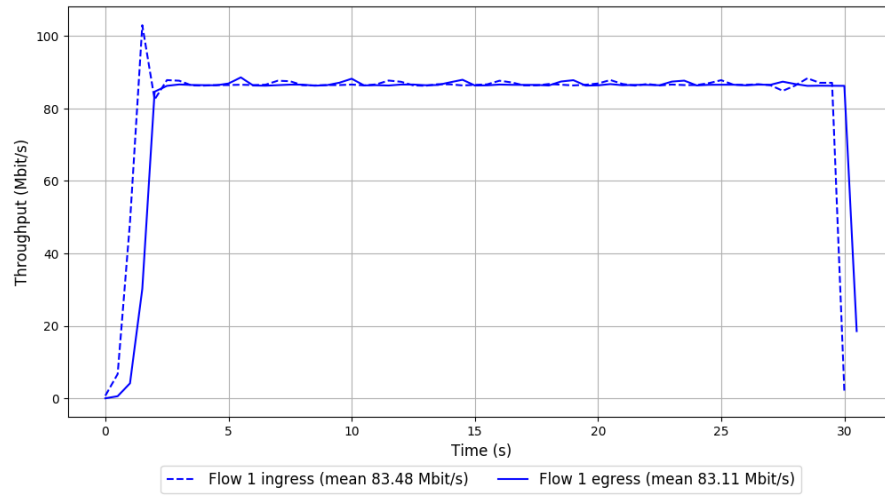
-- Flow 1:

Average throughput: 83.11 Mbit/s

95th percentile per-packet one-way delay: 86.118 ms

Loss rate: 0.44%

Run 2: Report of TCP Vegas — Data Link



Run 3: Statistics of TCP Vegas

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

End at: 2019-03-08 22:28:20

Local clock offset: -4.984 ms

Remote clock offset: -0.18 ms

Below is generated by plot.py at 2019-03-08 23:33:02

Datalink statistics

-- Total of 1 flow:

Average throughput: 81.74 Mbit/s

95th percentile per-packet one-way delay: 81.484 ms

Loss rate: 0.44%

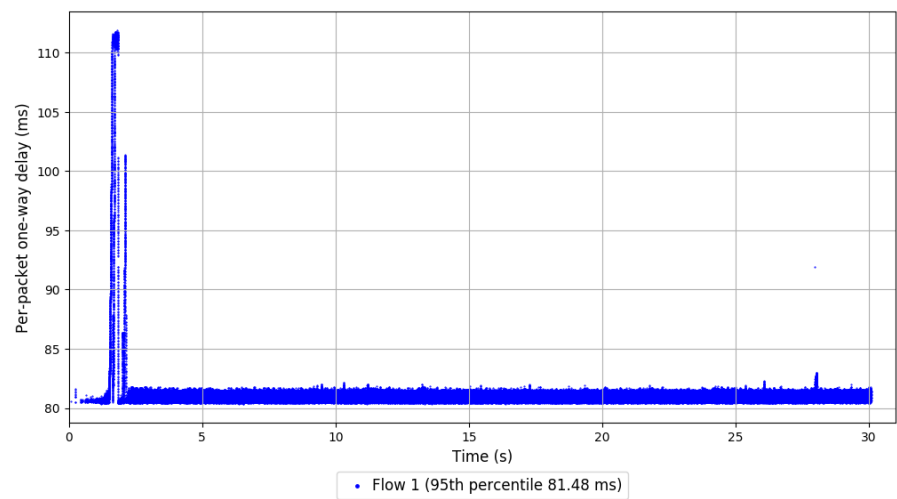
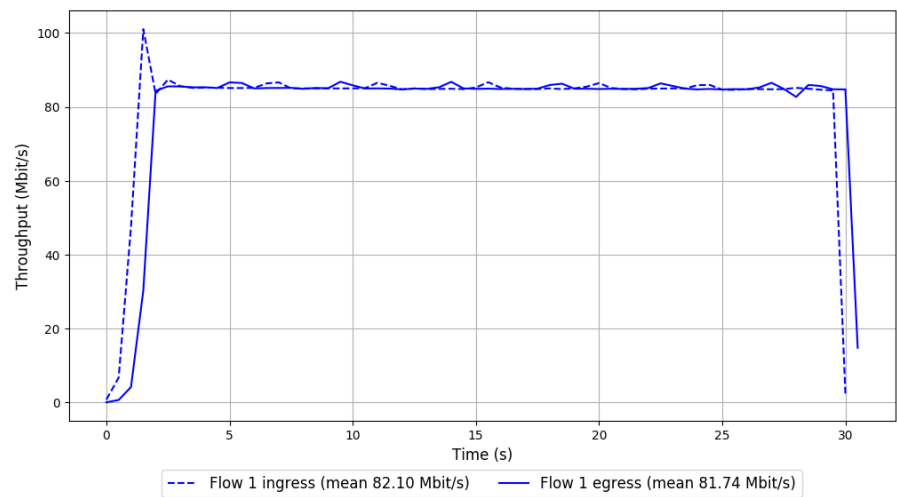
-- Flow 1:

Average throughput: 81.74 Mbit/s

95th percentile per-packet one-way delay: 81.484 ms

Loss rate: 0.44%

Run 3: Report of TCP Vegas — Data Link

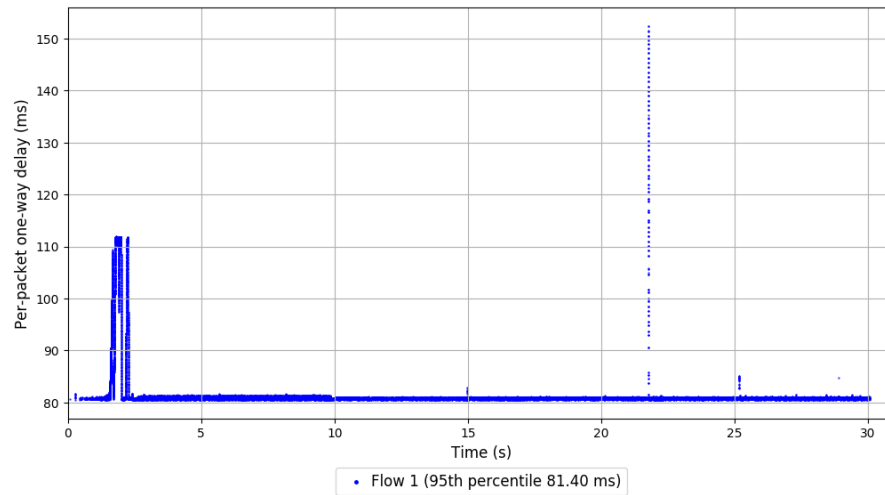
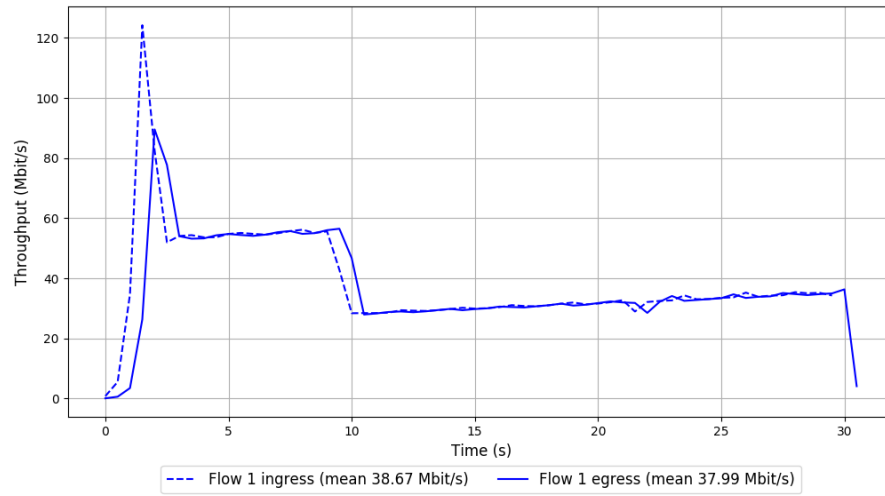


Run 4: Statistics of TCP Vegas

Start at: 2019-03-08 22:52:34
End at: 2019-03-08 22:53:04
Local clock offset: -5.204 ms
Remote clock offset: -0.307 ms

Below is generated by plot.py at 2019-03-08 23:33:02
Datalink statistics
-- Total of 1 flow:
Average throughput: 37.99 Mbit/s
95th percentile per-packet one-way delay: 81.397 ms
Loss rate: 1.75%
-- Flow 1:
Average throughput: 37.99 Mbit/s
95th percentile per-packet one-way delay: 81.397 ms
Loss rate: 1.75%

Run 4: Report of TCP Vegas — Data Link

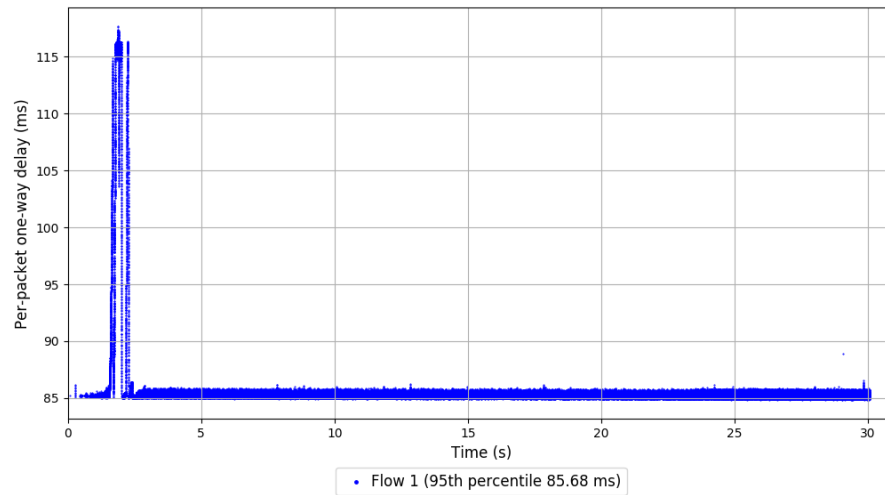
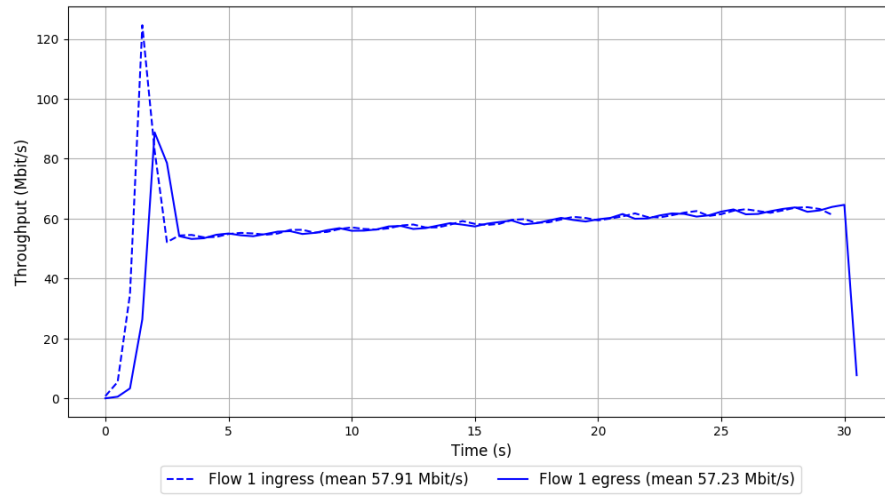


Run 5: Statistics of TCP Vegas

Start at: 2019-03-08 23:17:17
End at: 2019-03-08 23:17:47
Local clock offset: -5.412 ms
Remote clock offset: 11.304 ms

Below is generated by plot.py at 2019-03-08 23:33:02
Datalink statistics
-- Total of 1 flow:
Average throughput: 57.23 Mbit/s
95th percentile per-packet one-way delay: 85.682 ms
Loss rate: 1.17%
-- Flow 1:
Average throughput: 57.23 Mbit/s
95th percentile per-packet one-way delay: 85.682 ms
Loss rate: 1.17%

Run 5: Report of TCP Vegas — Data Link



Run 1: Statistics of Verus

Start at: 2019-03-08 21:26:40

End at: 2019-03-08 21:27:10

Local clock offset: -7.601 ms

Remote clock offset: 0.911 ms

Below is generated by plot.py at 2019-03-08 23:33:40

Datalink statistics

-- Total of 1 flow:

Average throughput: 45.40 Mbit/s

95th percentile per-packet one-way delay: 157.449 ms

Loss rate: 85.82%

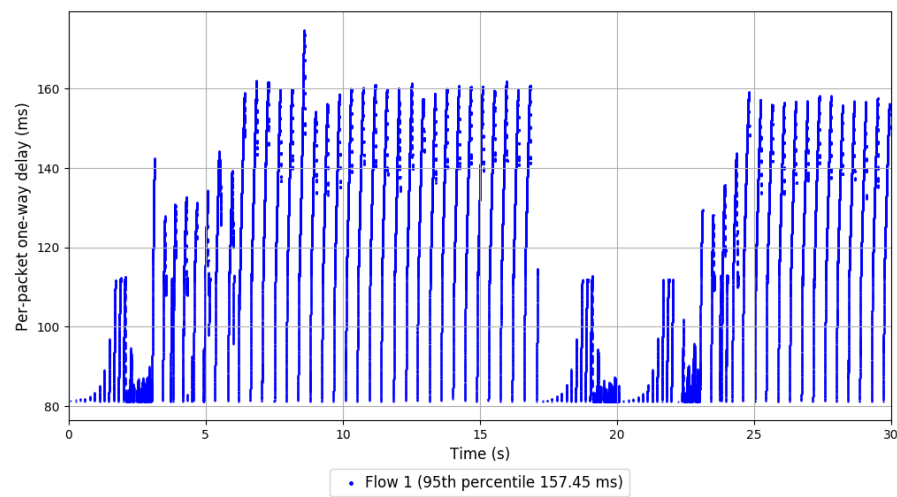
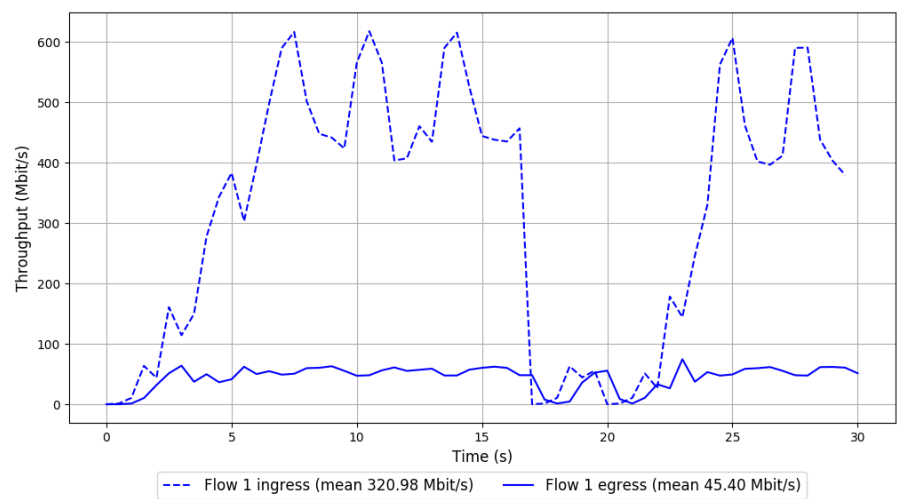
-- Flow 1:

Average throughput: 45.40 Mbit/s

95th percentile per-packet one-way delay: 157.449 ms

Loss rate: 85.82%

Run 1: Report of Verus — Data Link

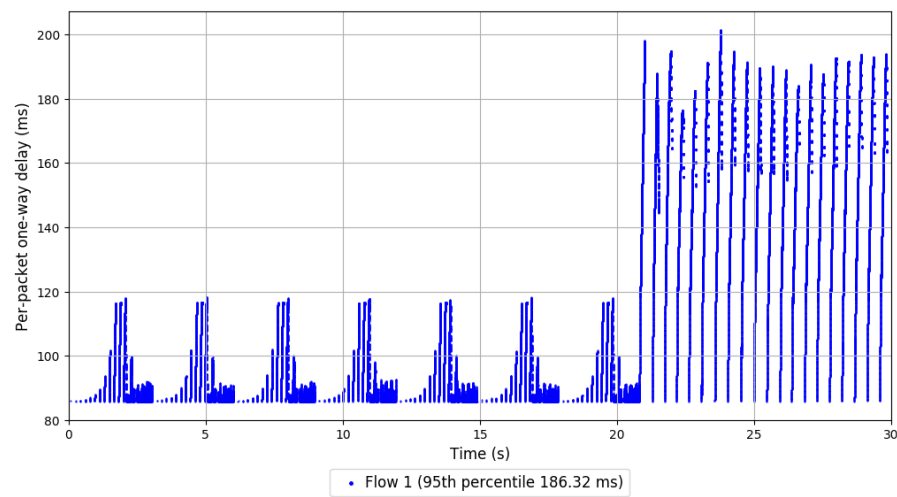
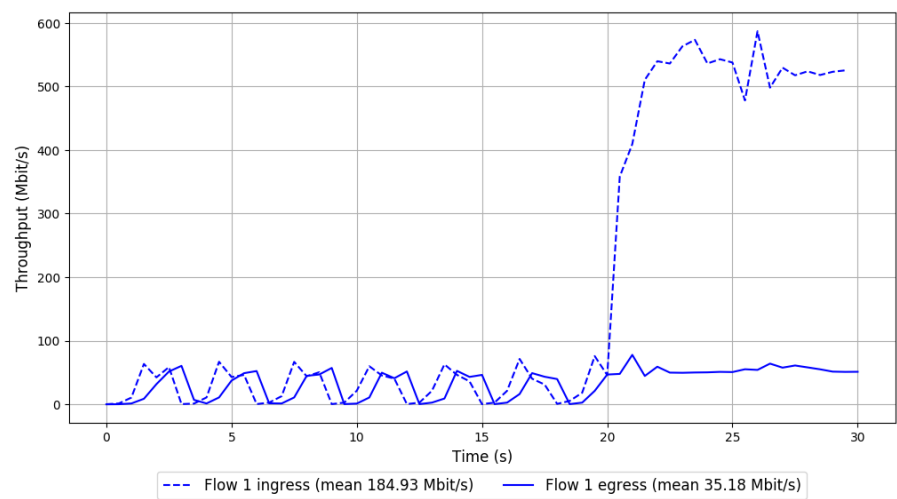


Run 2: Statistics of Verus

Start at: 2019-03-08 21:51:24
End at: 2019-03-08 21:51:54
Local clock offset: -6.345 ms
Remote clock offset: 6.707 ms

Below is generated by plot.py at 2019-03-08 23:33:40
Datalink statistics
-- Total of 1 flow:
Average throughput: 35.18 Mbit/s
95th percentile per-packet one-way delay: 186.323 ms
Loss rate: 80.93%
-- Flow 1:
Average throughput: 35.18 Mbit/s
95th percentile per-packet one-way delay: 186.323 ms
Loss rate: 80.93%

Run 2: Report of Verus — Data Link



Run 3: Statistics of Verus

Start at: 2019-03-08 22:16:05

End at: 2019-03-08 22:16:35

Local clock offset: -5.575 ms

Remote clock offset: 5.274 ms

Below is generated by plot.py at 2019-03-08 23:33:40

Datalink statistics

-- Total of 1 flow:

Average throughput: 28.02 Mbit/s

95th percentile per-packet one-way delay: 116.269 ms

Loss rate: 12.88%

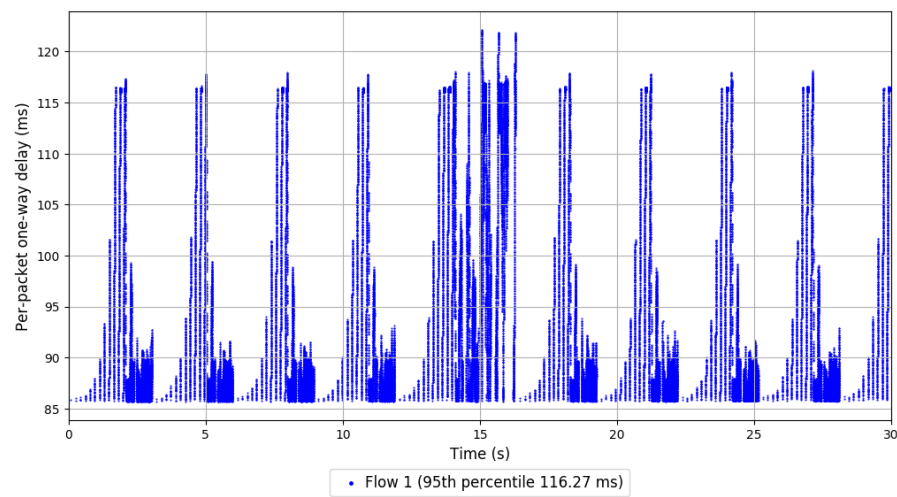
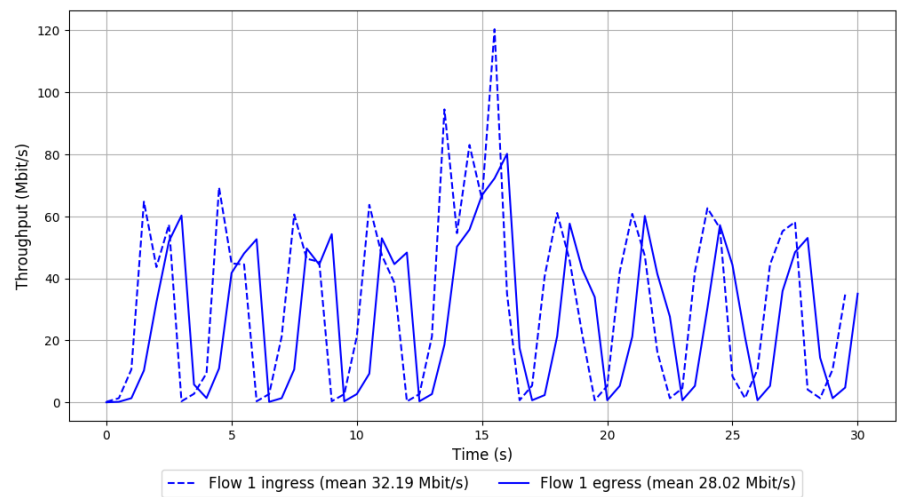
-- Flow 1:

Average throughput: 28.02 Mbit/s

95th percentile per-packet one-way delay: 116.269 ms

Loss rate: 12.88%

Run 3: Report of Verus — Data Link



Run 4: Statistics of Verus

Start at: 2019-03-08 22:40:47

End at: 2019-03-08 22:41:17

Local clock offset: -4.859 ms

Remote clock offset: 5.74 ms

Below is generated by plot.py at 2019-03-08 23:33:40

Datalink statistics

-- Total of 1 flow:

Average throughput: 37.52 Mbit/s

95th percentile per-packet one-way delay: 165.417 ms

Loss rate: 81.57%

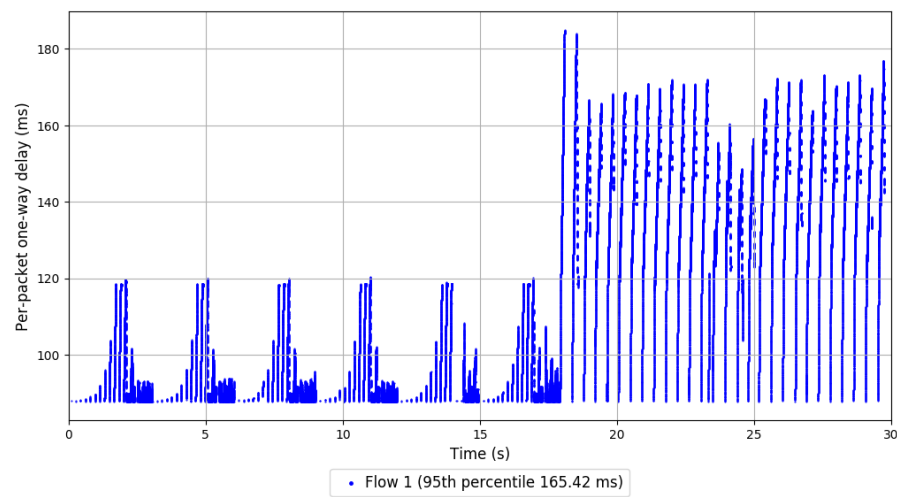
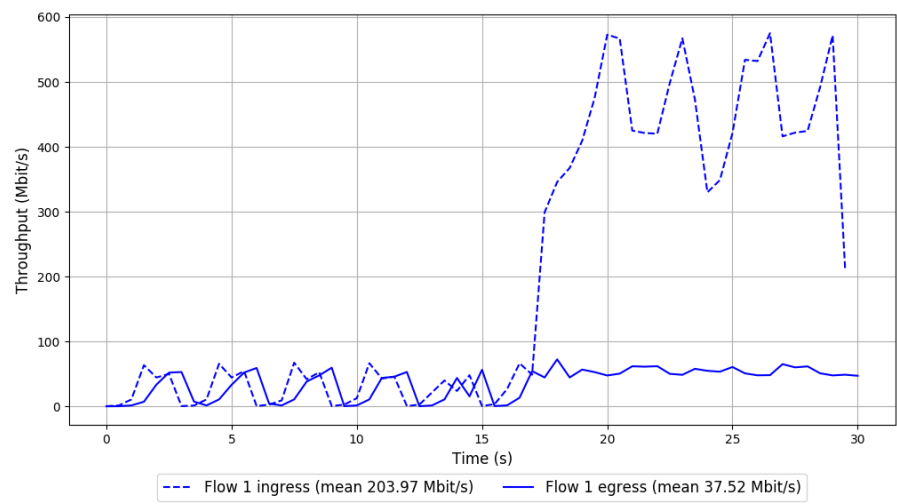
-- Flow 1:

Average throughput: 37.52 Mbit/s

95th percentile per-packet one-way delay: 165.417 ms

Loss rate: 81.57%

Run 4: Report of Verus — Data Link



Run 5: Statistics of Verus

Start at: 2019-03-08 23:05:32

End at: 2019-03-08 23:06:02

Local clock offset: -5.421 ms

Remote clock offset: 4.169 ms

Below is generated by plot.py at 2019-03-08 23:33:40

Datalink statistics

-- Total of 1 flow:

Average throughput: 29.58 Mbit/s

95th percentile per-packet one-way delay: 141.440 ms

Loss rate: 67.45%

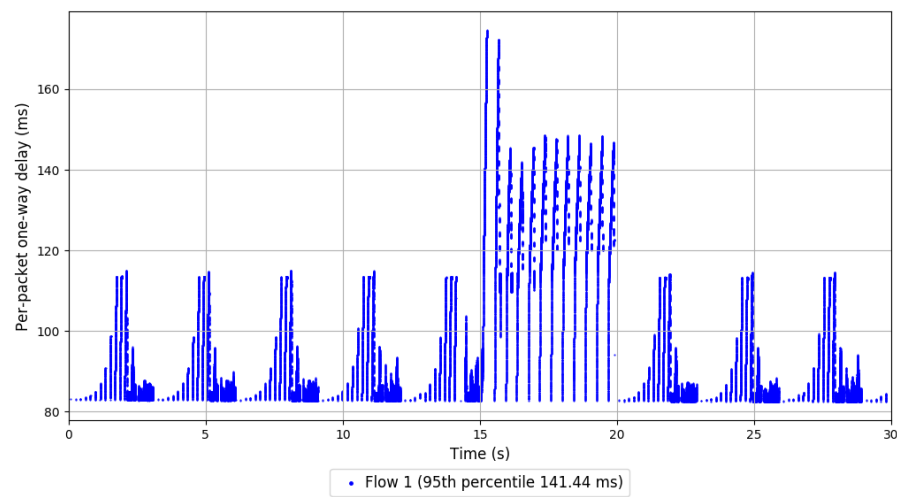
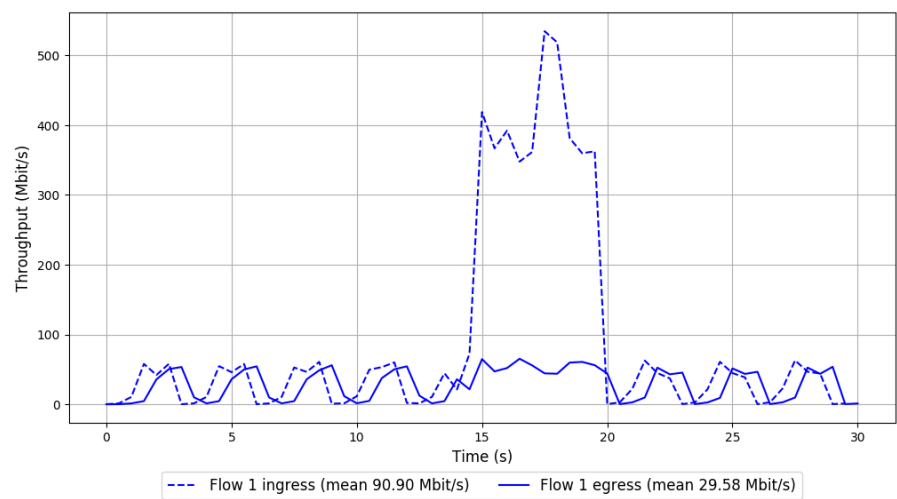
-- Flow 1:

Average throughput: 29.58 Mbit/s

95th percentile per-packet one-way delay: 141.440 ms

Loss rate: 67.45%

Run 5: Report of Verus — Data Link



Run 1: Statistics of PCC-Vivace

Start at: 2019-03-08 21:39:38

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

Local clock offset: -8.009 ms

Remote clock offset: 6.51 ms

Below is generated by plot.py at 2019-03-08 23:33:40

Datalink statistics

-- Total of 1 flow:

Average throughput: 75.83 Mbit/s

95th percentile per-packet one-way delay: 113.448 ms

Loss rate: 0.18%

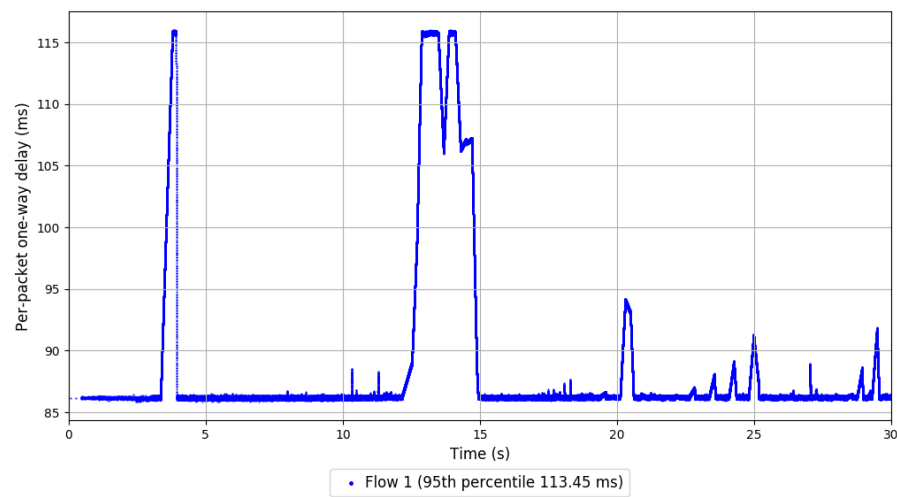
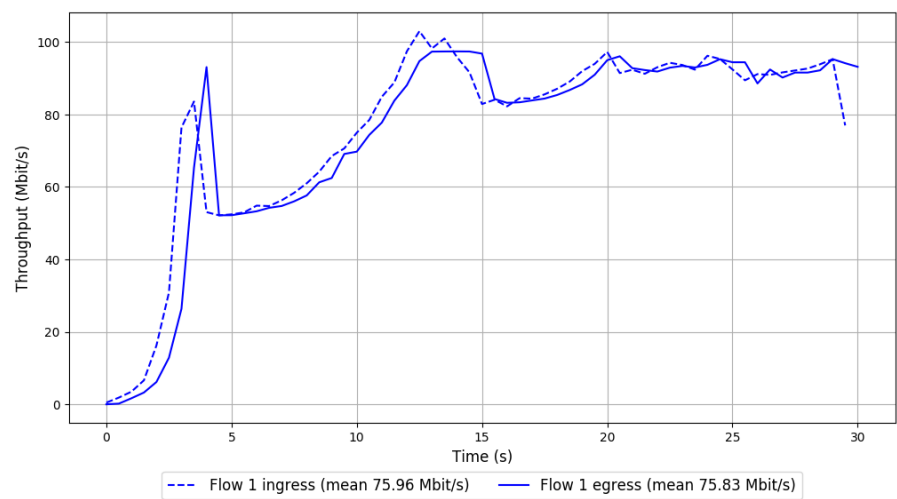
-- Flow 1:

Average throughput: 75.83 Mbit/s

95th percentile per-packet one-way delay: 113.448 ms

Loss rate: 0.18%

Run 1: Report of PCC-Vivace — Data Link



Run 2: Statistics of PCC-Vivace

Start at: 2019-03-08 22:04:21

End at: 2019-03-08 22:04:51

Local clock offset: -6.479 ms

Remote clock offset: 0.682 ms

Below is generated by plot.py at 2019-03-08 23:33:44

Datalink statistics

-- Total of 1 flow:

Average throughput: 74.76 Mbit/s

95th percentile per-packet one-way delay: 108.386 ms

Loss rate: 0.18%

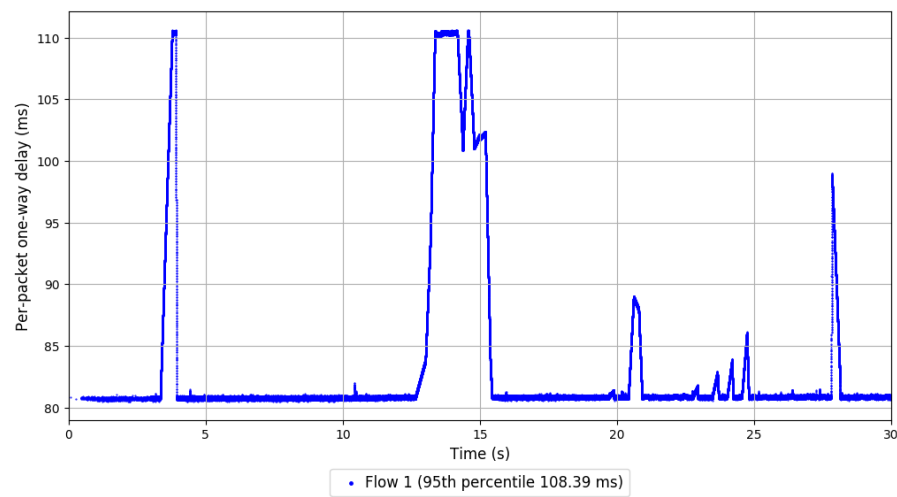
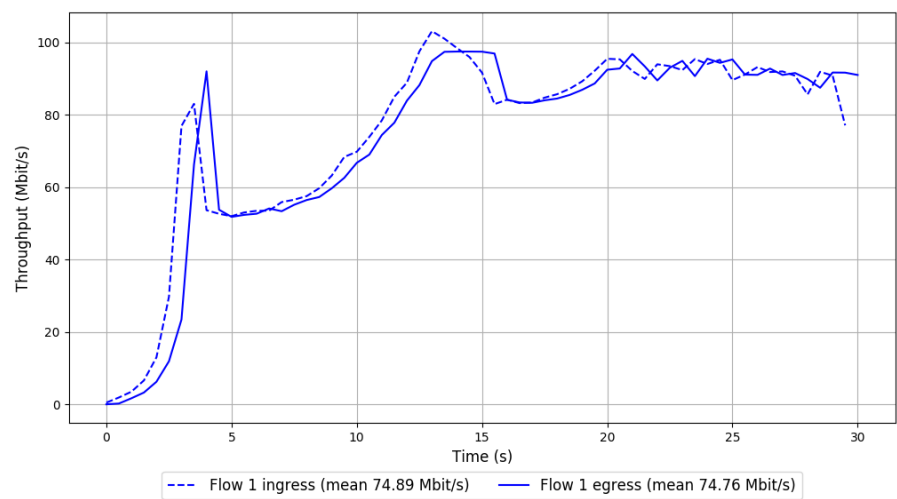
-- Flow 1:

Average throughput: 74.76 Mbit/s

95th percentile per-packet one-way delay: 108.386 ms

Loss rate: 0.18%

Run 2: Report of PCC-Vivace — Data Link



Run 3: Statistics of PCC-Vivace

Start at: 2019-03-08 22:29:01

End at: 2019-03-08 22:29:31

Local clock offset: -4.977 ms

Remote clock offset: 3.728 ms

Below is generated by plot.py at 2019-03-08 23:33:48

Datalink statistics

-- Total of 1 flow:

Average throughput: 75.81 Mbit/s

95th percentile per-packet one-way delay: 110.944 ms

Loss rate: 0.13%

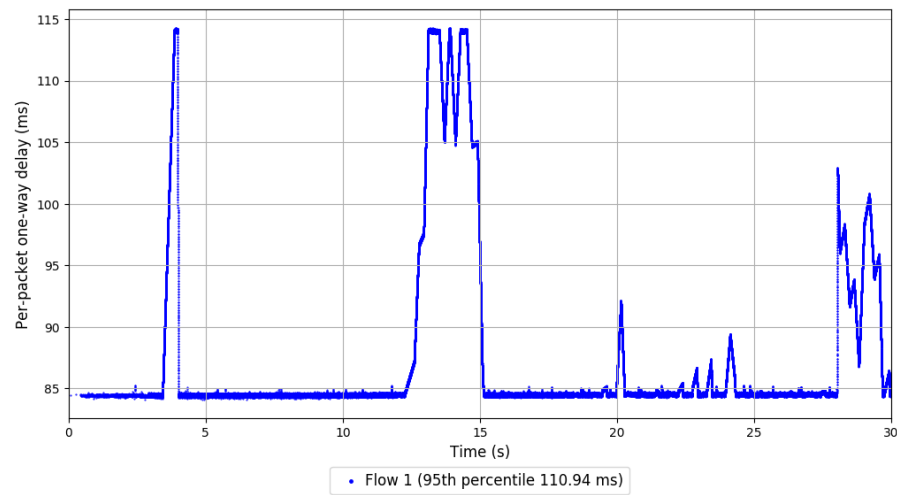
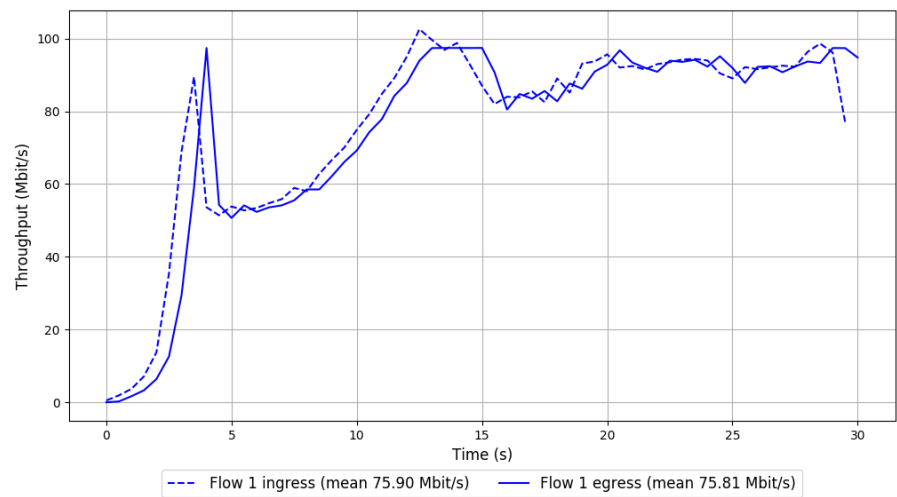
-- Flow 1:

Average throughput: 75.81 Mbit/s

95th percentile per-packet one-way delay: 110.944 ms

Loss rate: 0.13%

Run 3: Report of PCC-Vivace — Data Link



Run 4: Statistics of PCC-Vivace

Start at: 2019-03-08 22:53:44

End at: 2019-03-08 22:54:14

Local clock offset: -5.218 ms

Remote clock offset: 0.825 ms

Below is generated by plot.py at 2019-03-08 23:33:49

Datalink statistics

-- Total of 1 flow:

Average throughput: 75.98 Mbit/s

95th percentile per-packet one-way delay: 108.052 ms

Loss rate: 0.13%

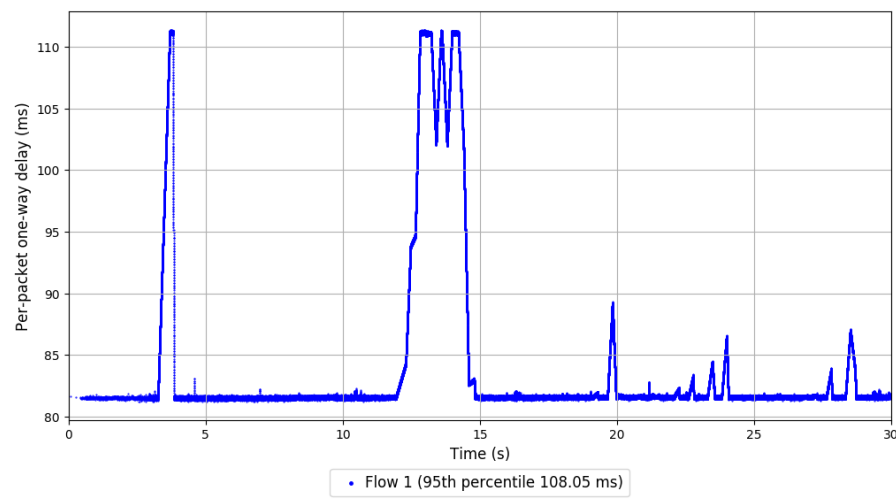
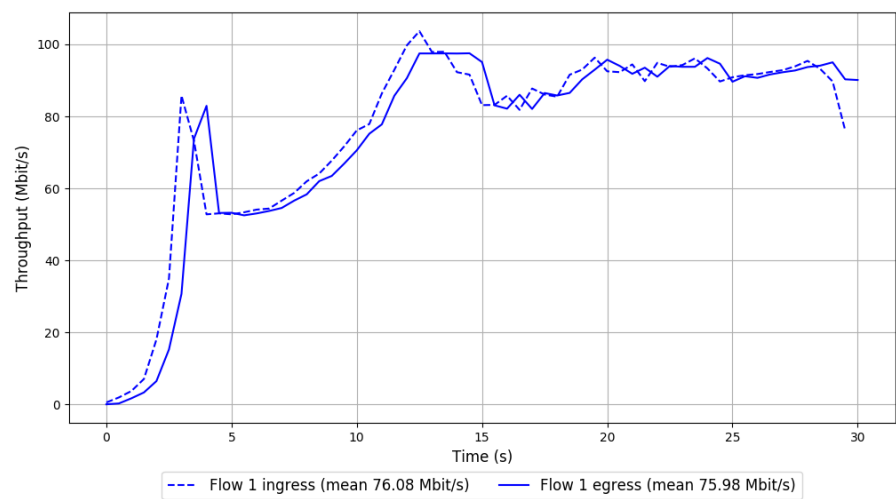
-- Flow 1:

Average throughput: 75.98 Mbit/s

95th percentile per-packet one-way delay: 108.052 ms

Loss rate: 0.13%

Run 4: Report of PCC-Vivace — Data Link



Run 5: Statistics of PCC-Vivace

Start at: 2019-03-08 23:18:28

End at: 2019-03-08 23:18:58

Local clock offset: -6.138 ms

Remote clock offset: 7.088 ms

Below is generated by plot.py at 2019-03-08 23:33:49

Datalink statistics

-- Total of 1 flow:

Average throughput: 77.53 Mbit/s

95th percentile per-packet one-way delay: 98.756 ms

Loss rate: 0.05%

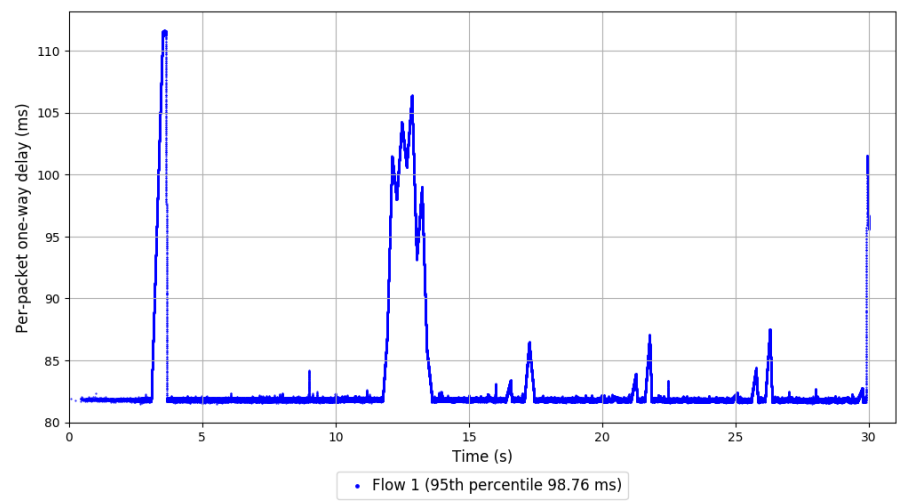
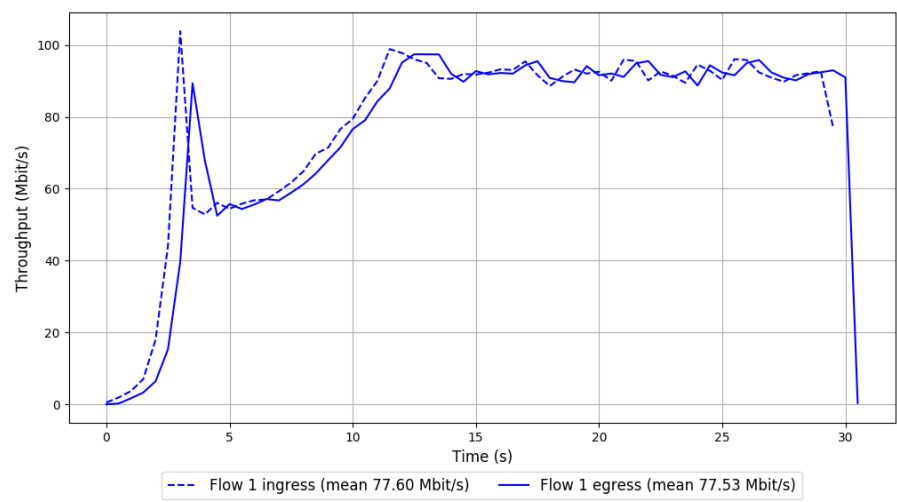
-- Flow 1:

Average throughput: 77.53 Mbit/s

95th percentile per-packet one-way delay: 98.756 ms

Loss rate: 0.05%

Run 5: Report of PCC-Vivace — Data Link



Run 1: Statistics of WebRTC media

Start at: 2019-03-08 21:27:55

End at: 2019-03-08 21:28:25

Local clock offset: -6.934 ms

Remote clock offset: 4.578 ms

Below is generated by plot.py at 2019-03-08 23:33:49

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.05 Mbit/s

95th percentile per-packet one-way delay: 84.851 ms

Loss rate: 0.00%

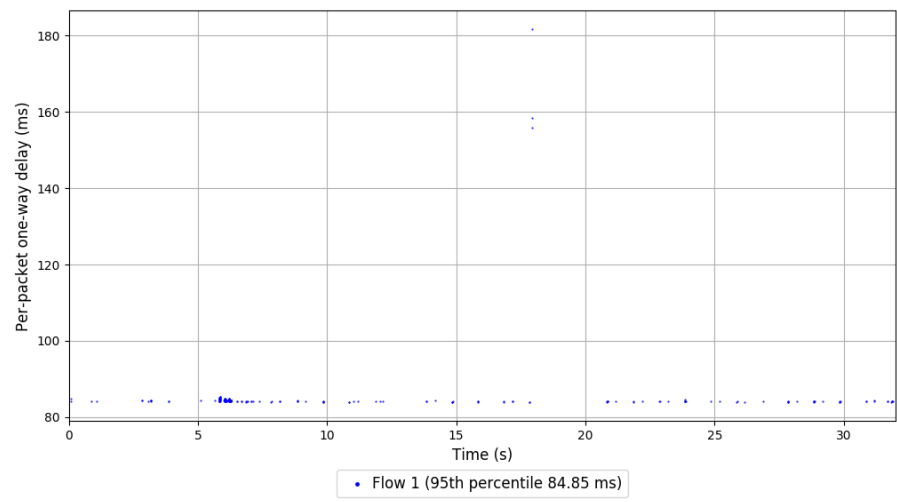
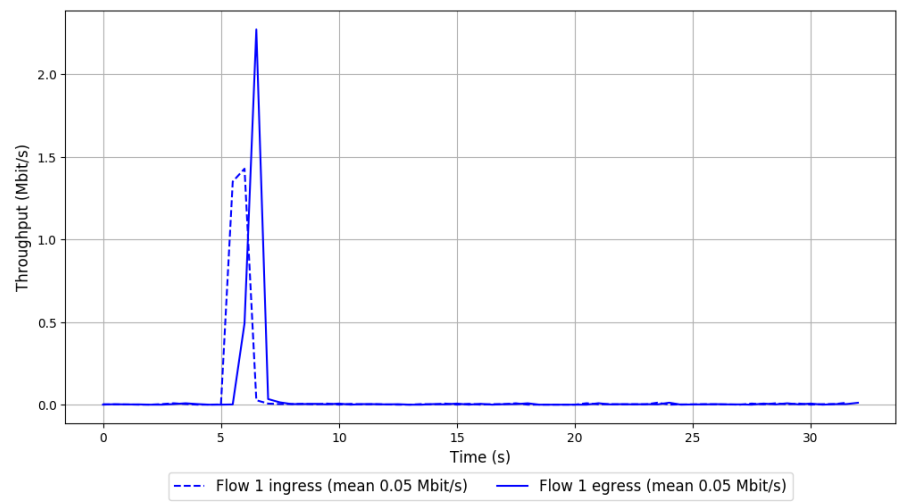
-- Flow 1:

Average throughput: 0.05 Mbit/s

95th percentile per-packet one-way delay: 84.851 ms

Loss rate: 0.00%

Run 1: Report of WebRTC media — Data Link



Run 2: Statistics of WebRTC media

Start at: 2019-03-08 21:52:36

End at: 2019-03-08 21:53:06

Local clock offset: -6.144 ms

Remote clock offset: 2.061 ms

Below is generated by plot.py at 2019-03-08 23:33:49

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.05 Mbit/s

95th percentile per-packet one-way delay: 82.388 ms

Loss rate: 0.00%

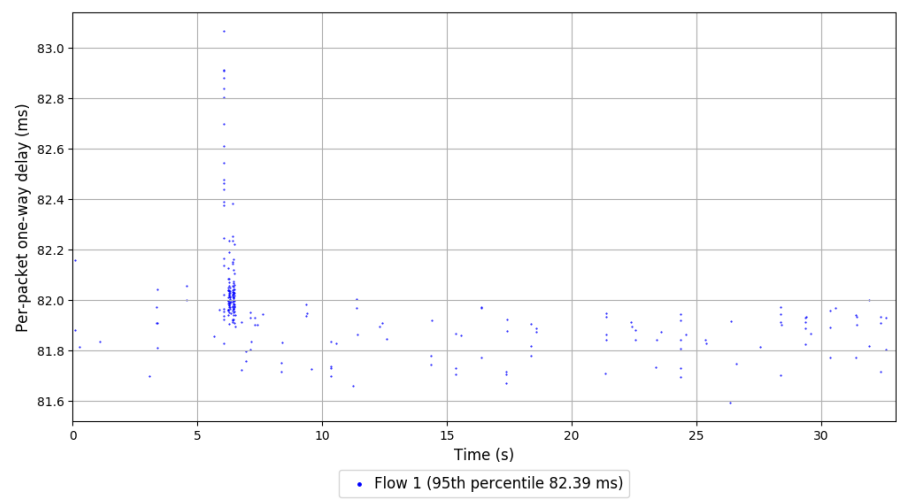
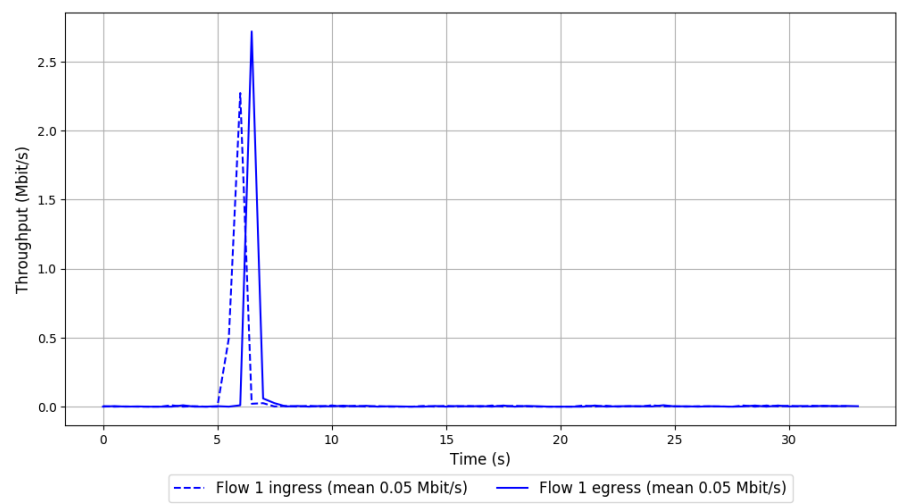
-- Flow 1:

Average throughput: 0.05 Mbit/s

95th percentile per-packet one-way delay: 82.388 ms

Loss rate: 0.00%

Run 2: Report of WebRTC media — Data Link



Run 3: Statistics of WebRTC media

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

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

Local clock offset: -6.182 ms

Remote clock offset: 0.026 ms

Below is generated by plot.py at 2019-03-08 23:33:49

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.05 Mbit/s

95th percentile per-packet one-way delay: 81.796 ms

Loss rate: 0.00%

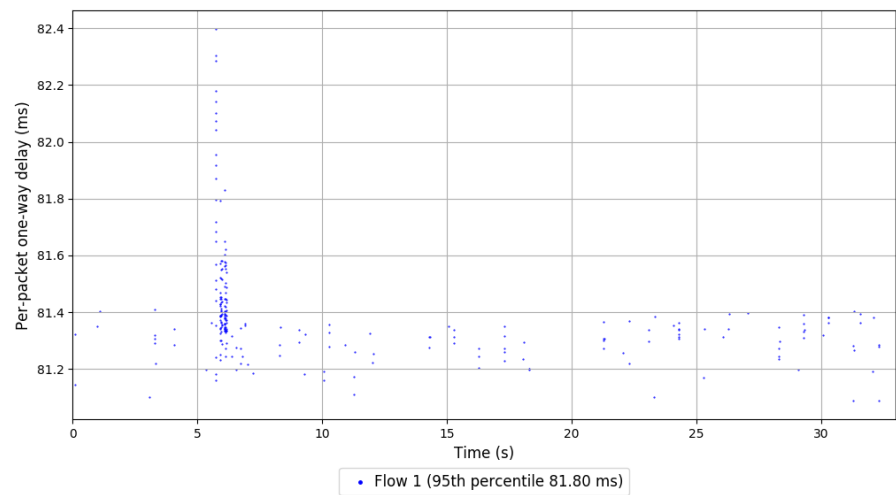
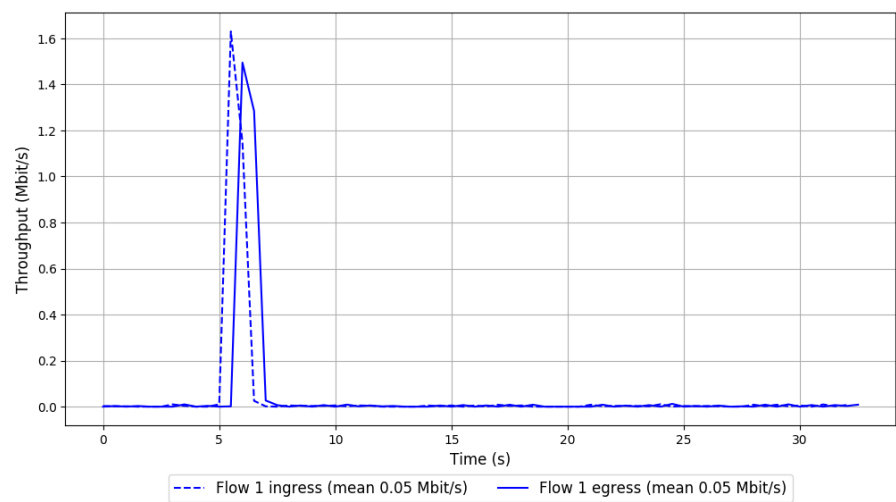
-- Flow 1:

Average throughput: 0.05 Mbit/s

95th percentile per-packet one-way delay: 81.796 ms

Loss rate: 0.00%

Run 3: Report of WebRTC media — Data Link



Run 4: Statistics of WebRTC media

Start at: 2019-03-08 22:42:00

End at: 2019-03-08 22:42:30

Local clock offset: -4.868 ms

Remote clock offset: 0.801 ms

Below is generated by plot.py at 2019-03-08 23:33:49

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.05 Mbit/s

95th percentile per-packet one-way delay: 82.088 ms

Loss rate: 0.00%

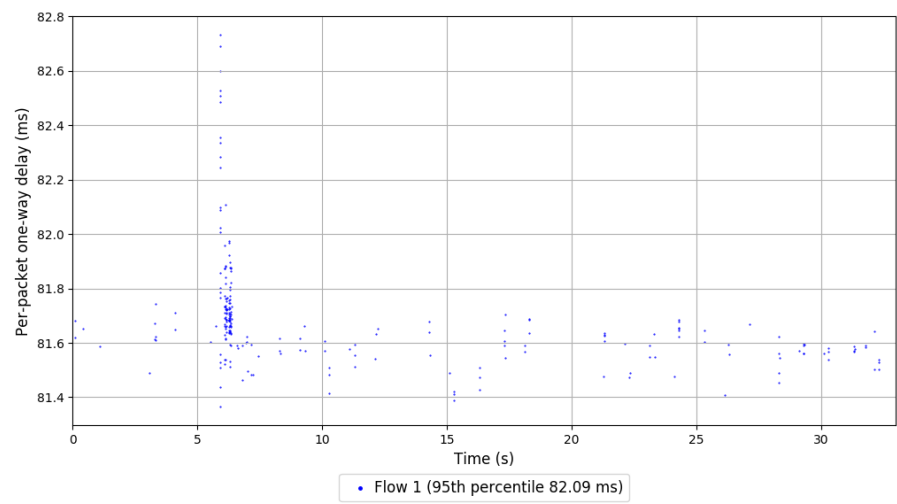
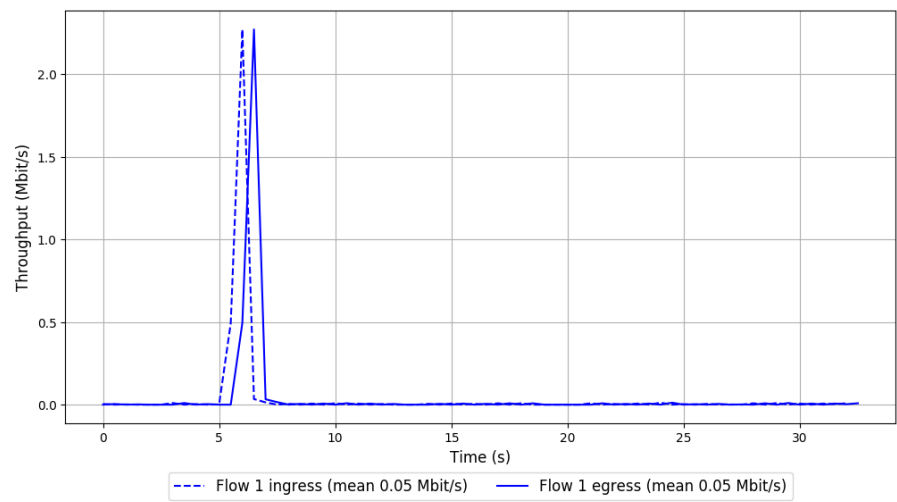
-- Flow 1:

Average throughput: 0.05 Mbit/s

95th percentile per-packet one-way delay: 82.088 ms

Loss rate: 0.00%

Run 4: Report of WebRTC media — Data Link



Run 5: Statistics of WebRTC media

Start at: 2019-03-08 23:06:42

End at: 2019-03-08 23:07:12

Local clock offset: -6.181 ms

Remote clock offset: 6.68 ms

Below is generated by plot.py at 2019-03-08 23:33:49

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.05 Mbit/s

95th percentile per-packet one-way delay: 87.818 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 0.05 Mbit/s

95th percentile per-packet one-way delay: 87.818 ms

Loss rate: 0.00%

Run 5: Report of WebRTC media — Data Link

