

Pantheon Report

Generated at 2019-03-18 21:38:58 (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 4.15.0-1033-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

Scatter plot showing 95th percentile one-way delay (ms) vs. throughput (Gbps) for various congestion control algorithms. The x-axis ranges from 140 to 80 ms, and the y-axis ranges from 0 to 100 Gbps. Algorithms plotted include Verus, TCP BBR, CP Cubic, PCC-Vivace, QUIC Cubic, Indigo-Muse, PCC-Allegro, Indigo-Muse-G3-T, PCC-Allegro, TCP Vegas, TeoVA-100x, EDAT, Sprout, and SCAM media.



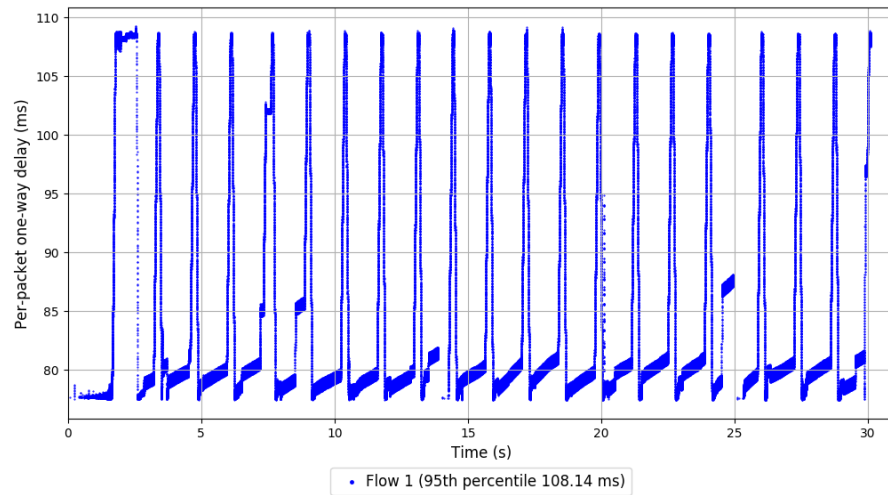
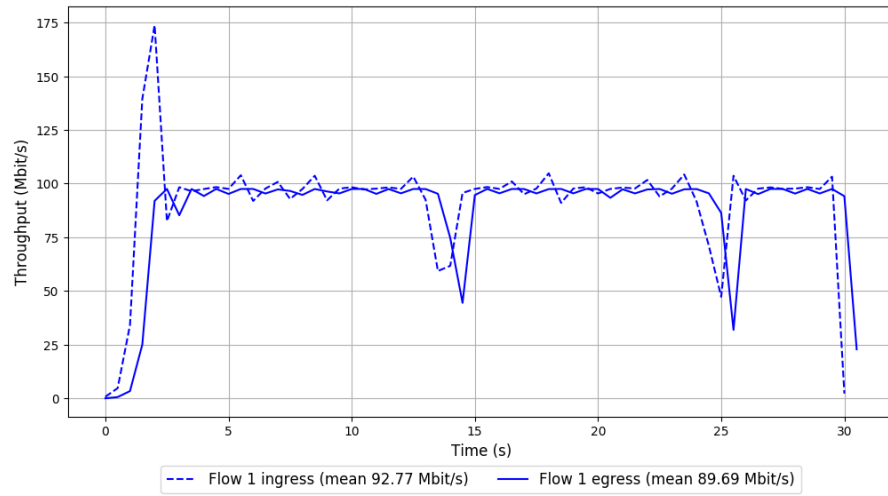
scheme	# runs	mean avg tput (Mbit/s) flow 1	mean 95th-%ile delay (ms) flow 1	mean loss rate (%) flow 1
TCP BBR	5	89.08	110.99	3.18
Copa	5	12.28	81.69	73.24
TCP Cubic	5	87.11	108.43	0.58
FillP	5	92.74	98.23	0.99
FillP-Sheep	5	90.82	98.35	1.05
Indigo	5	90.74	88.79	0.86
Indigo-MusesC3	5	94.93	96.90	0.56
Indigo-MusesC5	5	93.16	92.80	0.14
Indigo-MusesD	5	93.75	92.90	0.11
Indigo-MusesT	5	94.57	93.59	2.37
LEDBAT	5	11.38	82.32	0.02
PCC-Allegro	5	86.46	92.40	1.53
PCC-Expr	0	N/A	N/A	N/A
QUIC Cubic	5	67.29	99.85	0.38
SCReAM	5	0.22	81.83	0.00
Sprout	5	3.03	88.96	0.05
TaoVA-100x	5	12.59	82.32	28.19
TCP Vegas	5	65.23	82.89	0.84
Verus	5	32.46	139.44	43.48
PCC-Vivace	5	75.73	108.13	0.14
WebRTC media	5	0.05	81.64	0.00

Run 1: Statistics of TCP BBR

Start at: 2019-03-18 19:28:39
End at: 2019-03-18 19:29:09
Local clock offset: -7.262 ms
Remote clock offset: -0.278 ms

Below is generated by plot.py at 2019-03-18 21:30:08
Datalink statistics
-- Total of 1 flow:
Average throughput: 89.69 Mbit/s
95th percentile per-packet one-way delay: 108.138 ms
Loss rate: 3.22%
-- Flow 1:
Average throughput: 89.69 Mbit/s
95th percentile per-packet one-way delay: 108.138 ms
Loss rate: 3.22%

Run 1: Report of TCP BBR — Data Link



Run 2: Statistics of TCP BBR

Start at: 2019-03-18 19:53:22

End at: 2019-03-18 19:53:52

Local clock offset: -7.899 ms

Remote clock offset: 3.137 ms

Below is generated by plot.py at 2019-03-18 21:30:08

Datalink statistics

-- Total of 1 flow:

Average throughput: 89.10 Mbit/s

95th percentile per-packet one-way delay: 114.505 ms

Loss rate: 2.57%

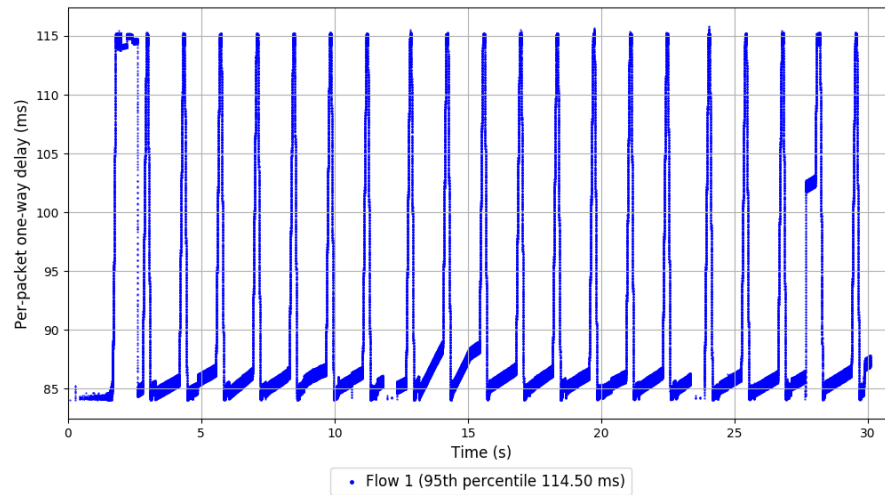
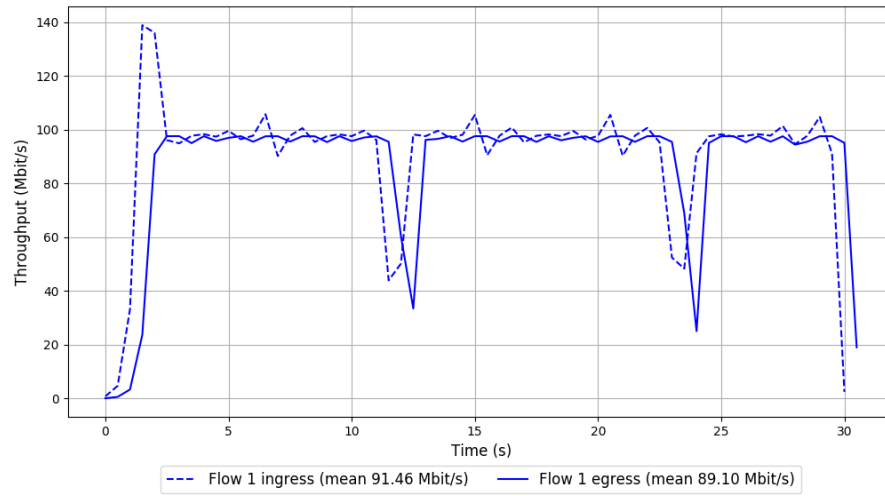
-- Flow 1:

Average throughput: 89.10 Mbit/s

95th percentile per-packet one-way delay: 114.505 ms

Loss rate: 2.57%

Run 2: Report of TCP BBR — Data Link

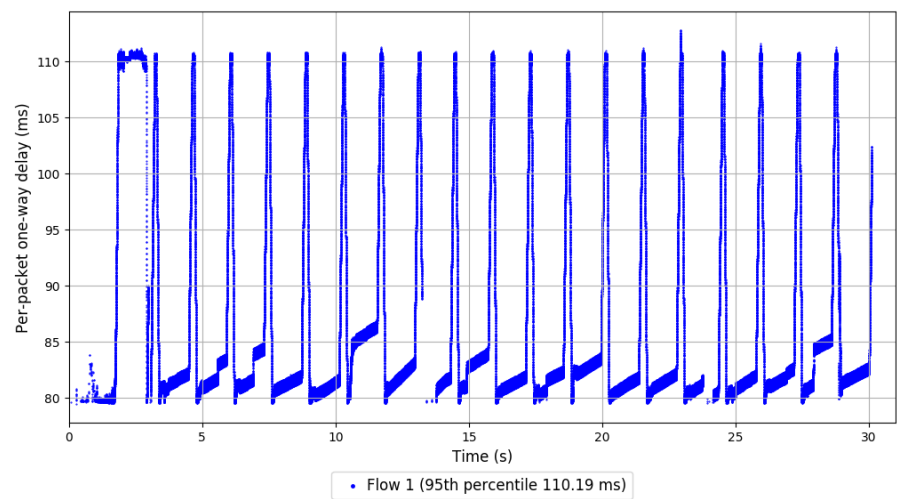
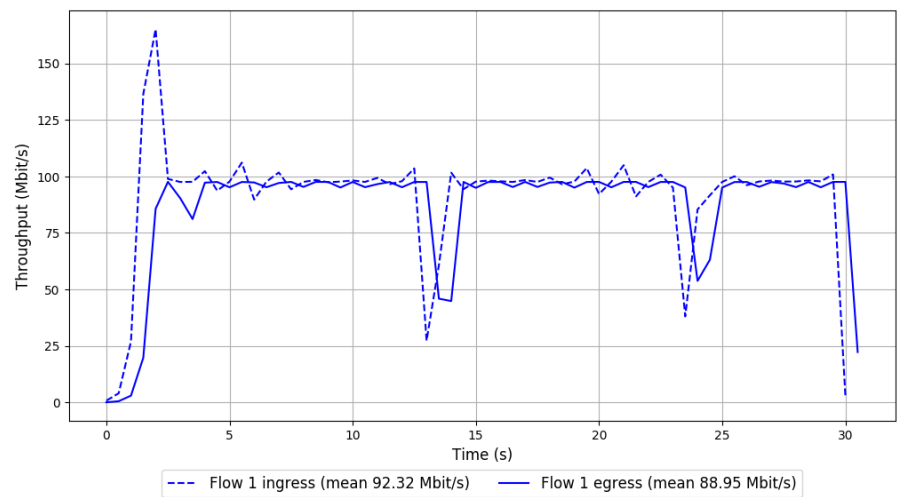


Run 3: Statistics of TCP BBR

Start at: 2019-03-18 20:18:32
End at: 2019-03-18 20:19:02
Local clock offset: -7.234 ms
Remote clock offset: -0.459 ms

Below is generated by plot.py at 2019-03-18 21:30:09
Datalink statistics
-- Total of 1 flow:
Average throughput: 88.95 Mbit/s
95th percentile per-packet one-way delay: 110.186 ms
Loss rate: 3.58%
-- Flow 1:
Average throughput: 88.95 Mbit/s
95th percentile per-packet one-way delay: 110.186 ms
Loss rate: 3.58%

Run 3: Report of TCP BBR — Data Link

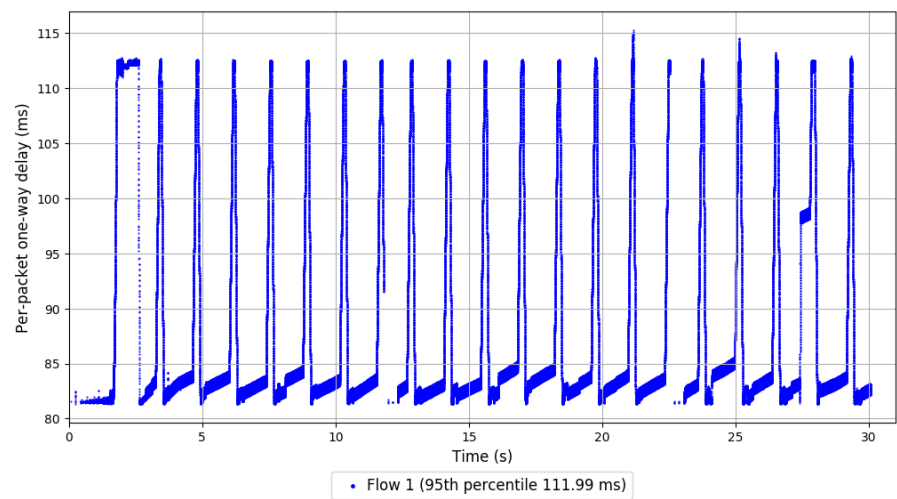
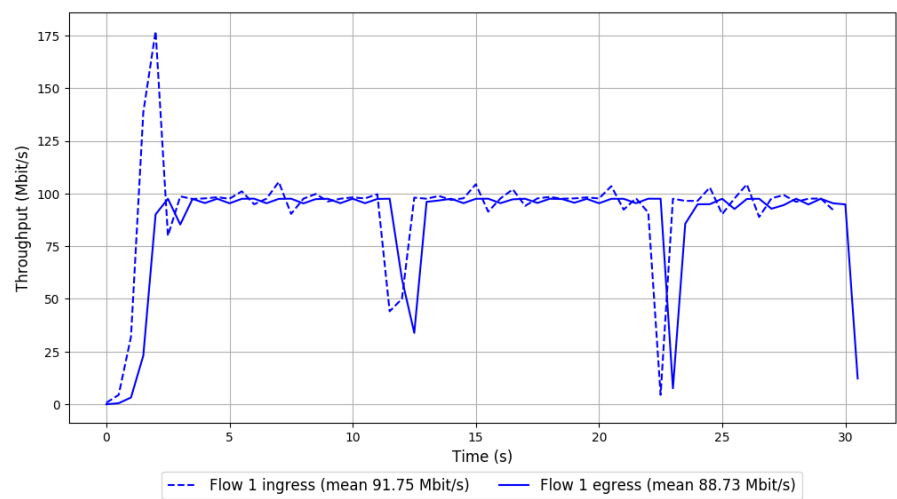


Run 4: Statistics of TCP BBR

Start at: 2019-03-18 20:43:41
End at: 2019-03-18 20:44:11
Local clock offset: -7.959 ms
Remote clock offset: -1.435 ms

Below is generated by plot.py at 2019-03-18 21:30:10
Datalink statistics
-- Total of 1 flow:
Average throughput: 88.73 Mbit/s
95th percentile per-packet one-way delay: 111.991 ms
Loss rate: 3.30%
-- Flow 1:
Average throughput: 88.73 Mbit/s
95th percentile per-packet one-way delay: 111.991 ms
Loss rate: 3.30%

Run 4: Report of TCP BBR — Data Link

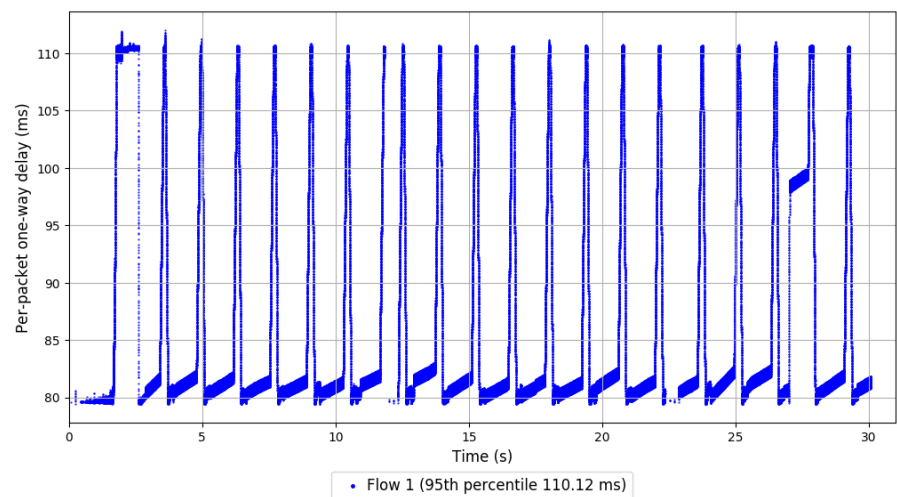
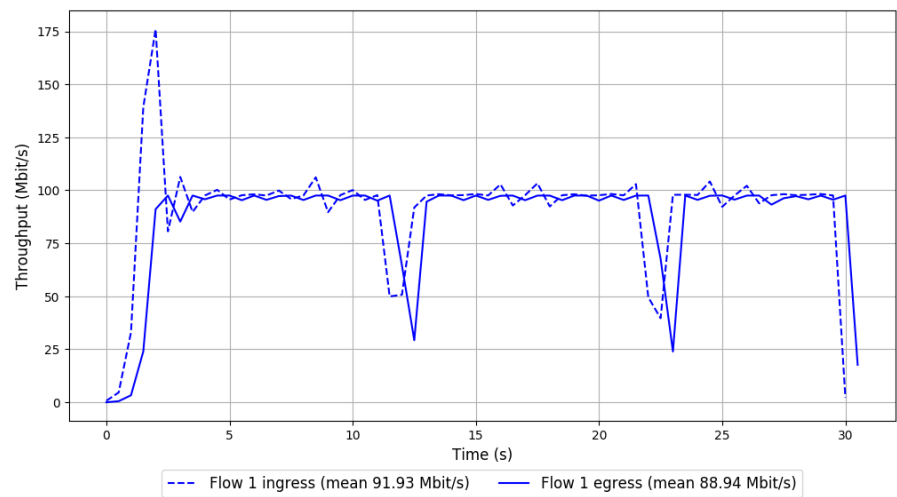


Run 5: Statistics of TCP BBR

Start at: 2019-03-18 21:08:25
End at: 2019-03-18 21:08:55
Local clock offset: -7.049 ms
Remote clock offset: -2.619 ms

Below is generated by plot.py at 2019-03-18 21:30:10
Datalink statistics
-- Total of 1 flow:
Average throughput: 88.94 Mbit/s
95th percentile per-packet one-way delay: 110.123 ms
Loss rate: 3.24%
-- Flow 1:
Average throughput: 88.94 Mbit/s
95th percentile per-packet one-way delay: 110.123 ms
Loss rate: 3.24%

Run 5: Report of TCP BBR — Data Link

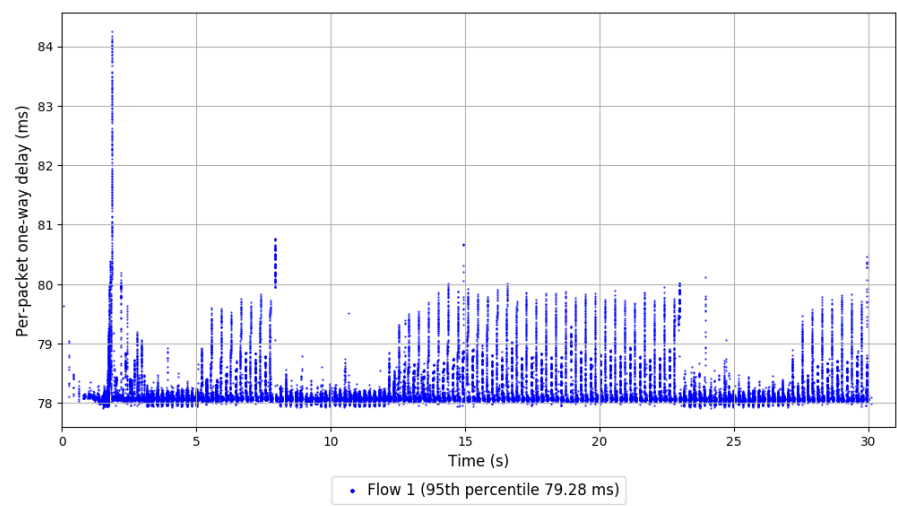
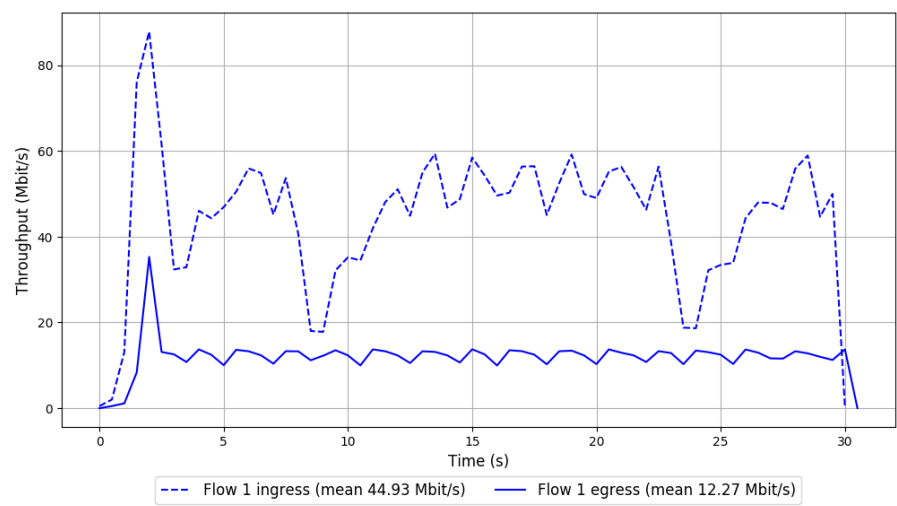


Run 1: Statistics of Copa

Start at: 2019-03-18 19:43:54
End at: 2019-03-18 19:44:24
Local clock offset: -8.532 ms
Remote clock offset: -0.631 ms

Below is generated by plot.py at 2019-03-18 21:30:10
Datalink statistics
-- Total of 1 flow:
Average throughput: 12.27 Mbit/s
95th percentile per-packet one-way delay: 79.285 ms
Loss rate: 72.69%
-- Flow 1:
Average throughput: 12.27 Mbit/s
95th percentile per-packet one-way delay: 79.285 ms
Loss rate: 72.69%

Run 1: Report of Copa — Data Link

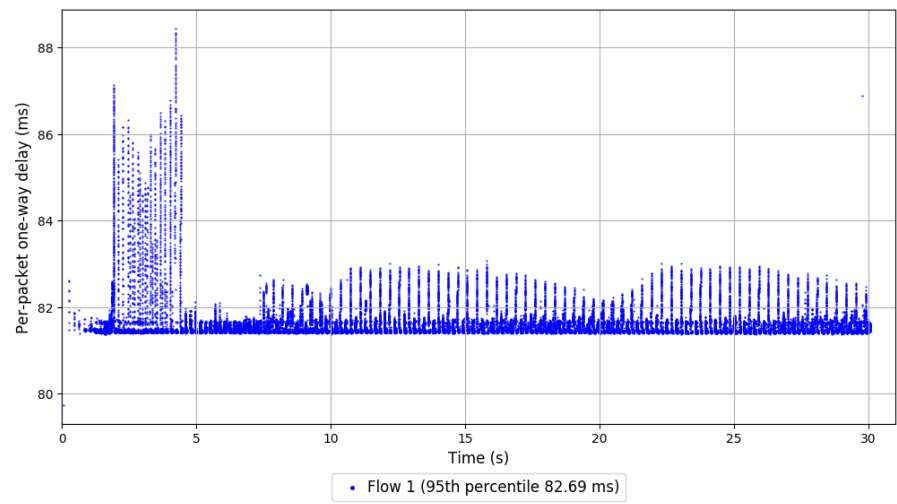
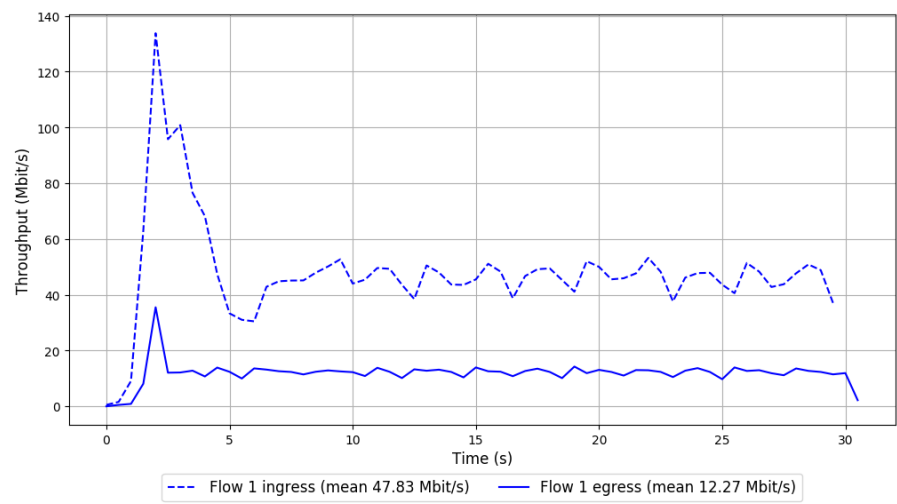


Run 2: Statistics of Copa

Start at: 2019-03-18 20:09:03
End at: 2019-03-18 20:09:33
Local clock offset: -7.131 ms
Remote clock offset: 0.691 ms

Below is generated by plot.py at 2019-03-18 21:30:10
Datalink statistics
-- Total of 1 flow:
Average throughput: 12.27 Mbit/s
95th percentile per-packet one-way delay: 82.688 ms
Loss rate: 74.35%
-- Flow 1:
Average throughput: 12.27 Mbit/s
95th percentile per-packet one-way delay: 82.688 ms
Loss rate: 74.35%

Run 2: Report of Copa — Data Link

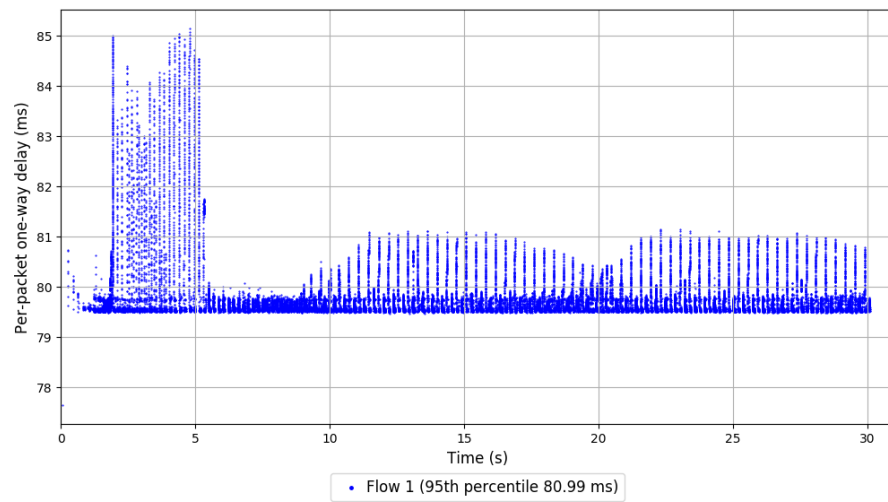
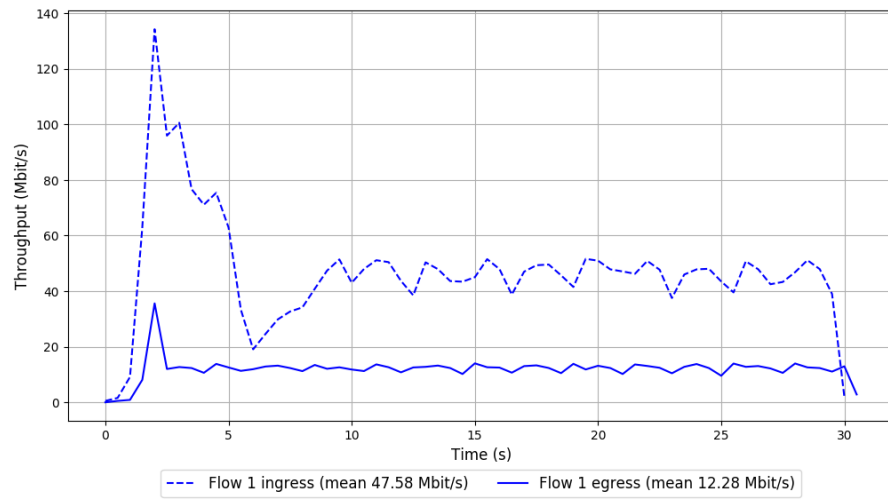


Run 3: Statistics of Copa

Start at: 2019-03-18 20:34:13
End at: 2019-03-18 20:34:43
Local clock offset: -6.967 ms
Remote clock offset: -2.256 ms

Below is generated by plot.py at 2019-03-18 21:30:10
Datalink statistics
-- Total of 1 flow:
Average throughput: 12.28 Mbit/s
95th percentile per-packet one-way delay: 80.988 ms
Loss rate: 74.18%
-- Flow 1:
Average throughput: 12.28 Mbit/s
95th percentile per-packet one-way delay: 80.988 ms
Loss rate: 74.18%

Run 3: Report of Copa — Data Link

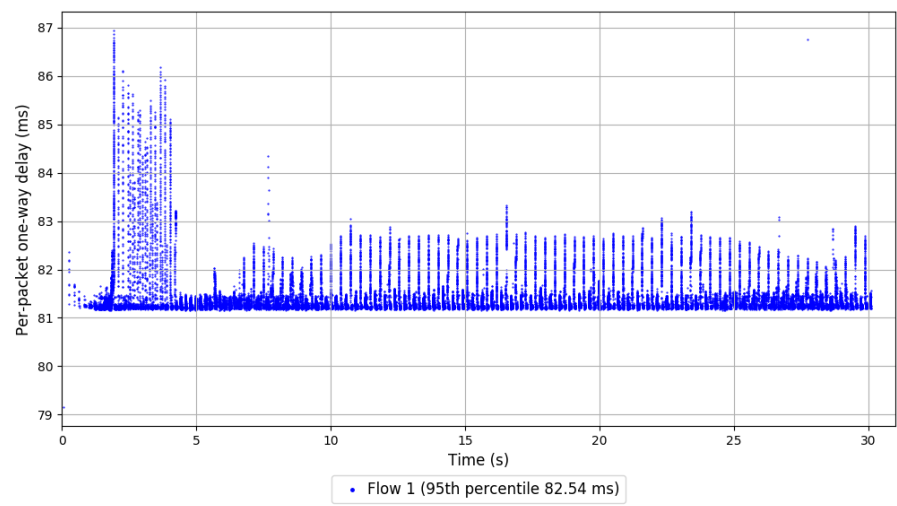
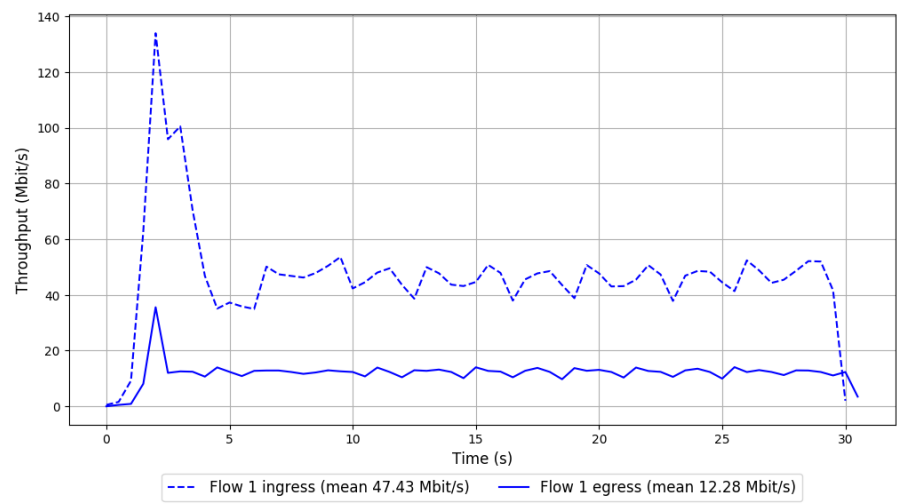


Run 4: Statistics of Copa

Start at: 2019-03-18 20:58:59
End at: 2019-03-18 20:59:29
Local clock offset: -6.99 ms
Remote clock offset: -1.378 ms

Below is generated by plot.py at 2019-03-18 21:30:10
Datalink statistics
-- Total of 1 flow:
Average throughput: 12.28 Mbit/s
95th percentile per-packet one-way delay: 82.544 ms
Loss rate: 74.10%
-- Flow 1:
Average throughput: 12.28 Mbit/s
95th percentile per-packet one-way delay: 82.544 ms
Loss rate: 74.10%

Run 4: Report of Copa — Data Link



Run 5: Statistics of Copa

Start at: 2019-03-18 21:23:41

End at: 2019-03-18 21:24:11

Local clock offset: -6.845 ms

Remote clock offset: 4.142 ms

Below is generated by plot.py at 2019-03-18 21:30:10

Datalink statistics

-- Total of 1 flow:

Average throughput: 12.30 Mbit/s

95th percentile per-packet one-way delay: 82.961 ms

Loss rate: 70.90%

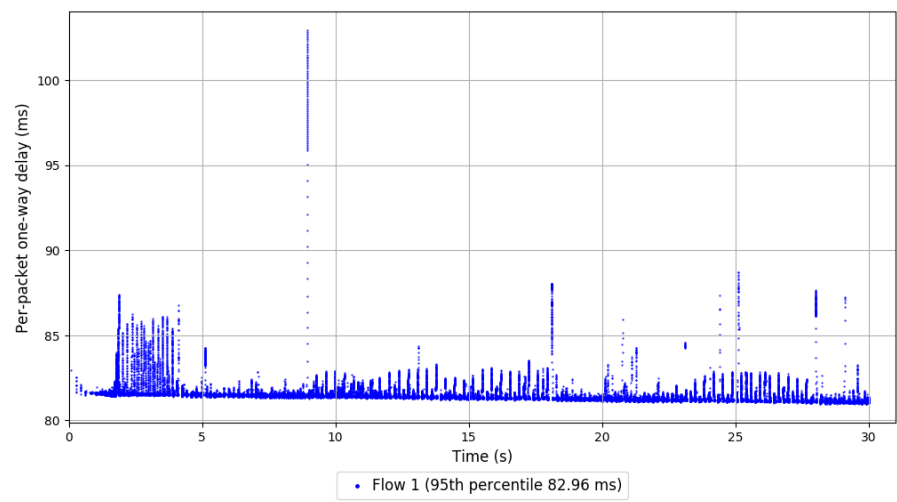
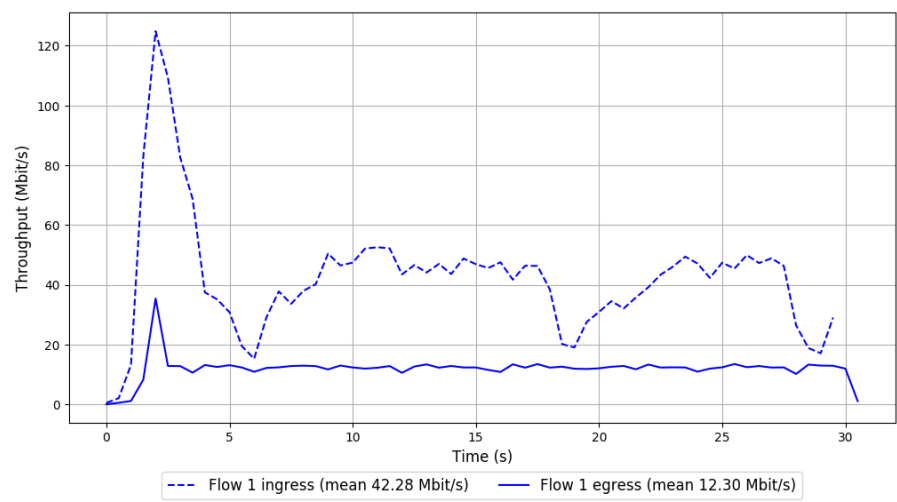
-- Flow 1:

Average throughput: 12.30 Mbit/s

95th percentile per-packet one-way delay: 82.961 ms

Loss rate: 70.90%

Run 5: Report of Copa — Data Link



Run 1: Statistics of TCP Cubic

Start at: 2019-03-18 19:46:14

End at: 2019-03-18 19:46:44

Local clock offset: -8.719 ms

Remote clock offset: 0.47 ms

Below is generated by plot.py at 2019-03-18 21:30:26

Datalink statistics

-- Total of 1 flow:

Average throughput: 88.61 Mbit/s

95th percentile per-packet one-way delay: 110.457 ms

Loss rate: 0.48%

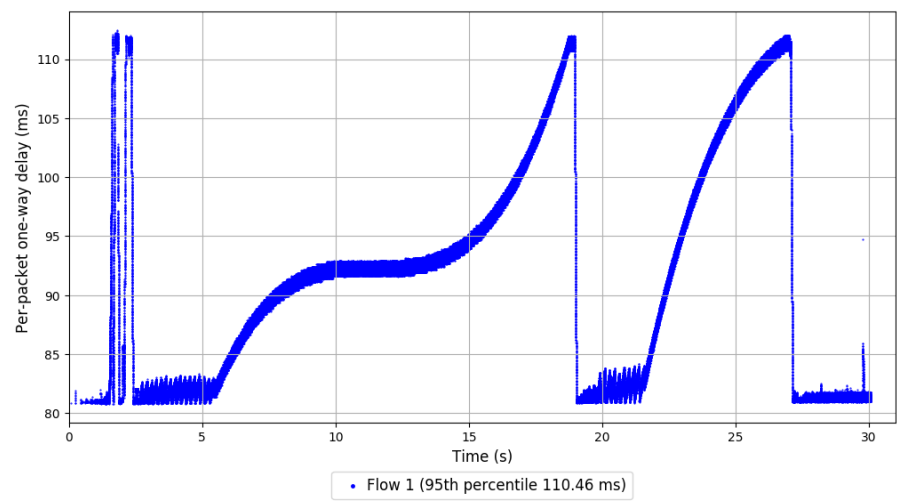
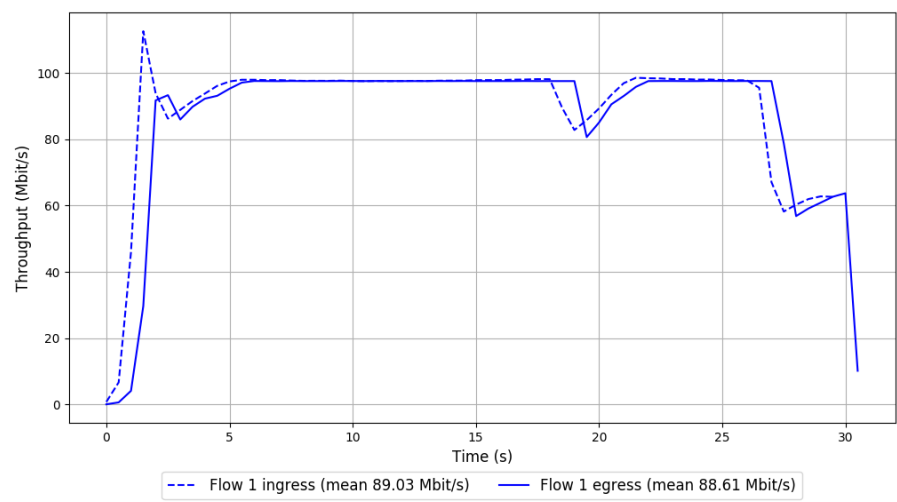
-- Flow 1:

Average throughput: 88.61 Mbit/s

95th percentile per-packet one-way delay: 110.457 ms

Loss rate: 0.48%

Run 1: Report of TCP Cubic — Data Link

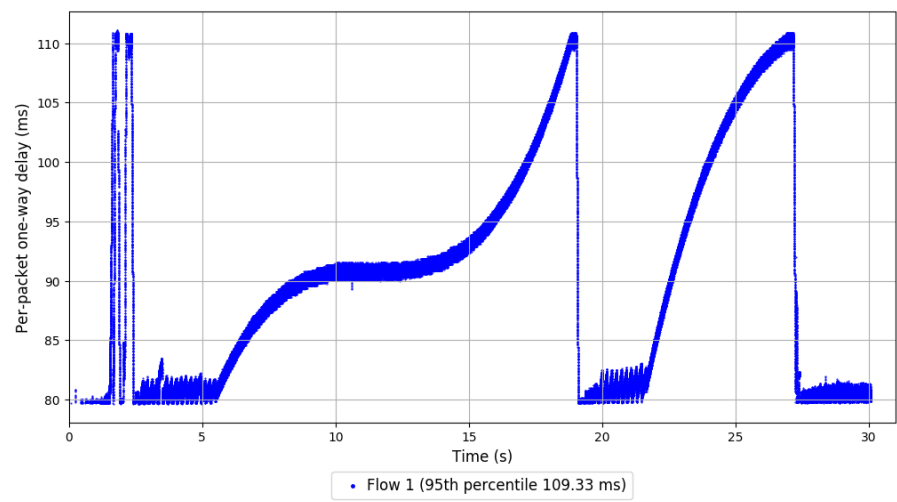
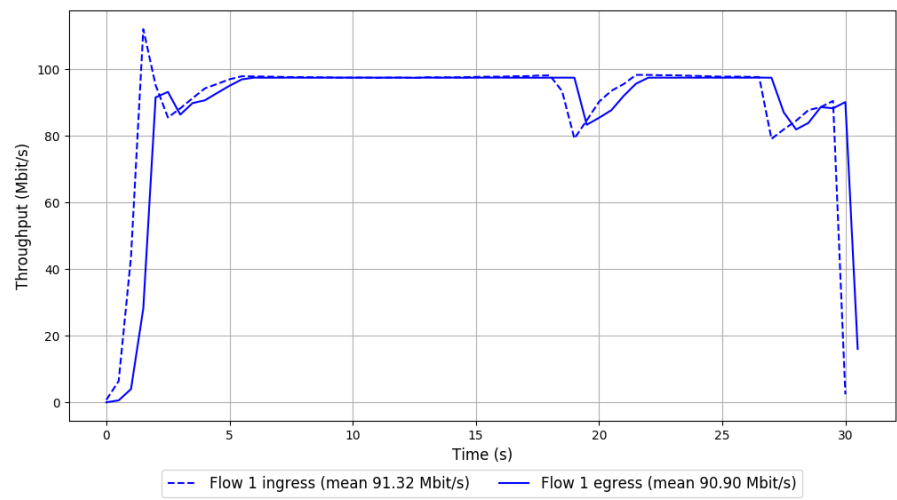


Run 2: Statistics of TCP Cubic

Start at: 2019-03-18 20:11:23
End at: 2019-03-18 20:11:53
Local clock offset: -6.374 ms
Remote clock offset: -0.544 ms

Below is generated by plot.py at 2019-03-18 21:30:37
Datalink statistics
-- Total of 1 flow:
Average throughput: 90.90 Mbit/s
95th percentile per-packet one-way delay: 109.334 ms
Loss rate: 0.47%
-- Flow 1:
Average throughput: 90.90 Mbit/s
95th percentile per-packet one-way delay: 109.334 ms
Loss rate: 0.47%

Run 2: Report of TCP Cubic — Data Link

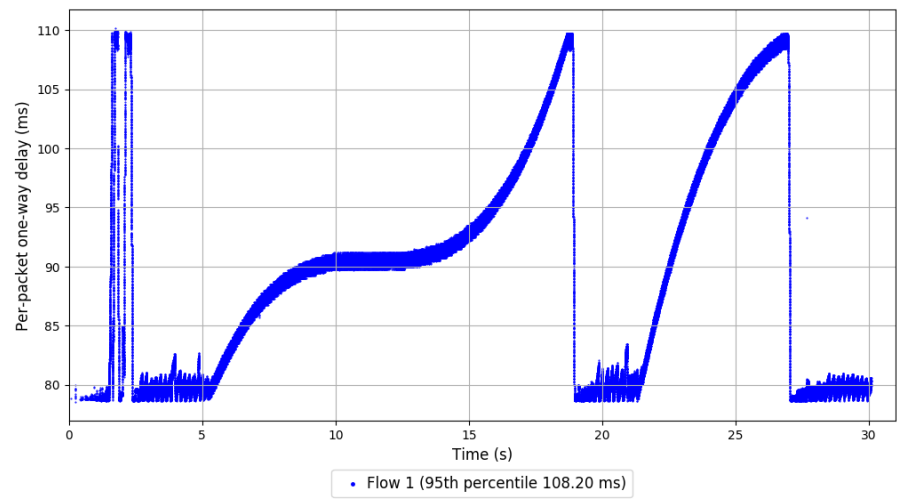
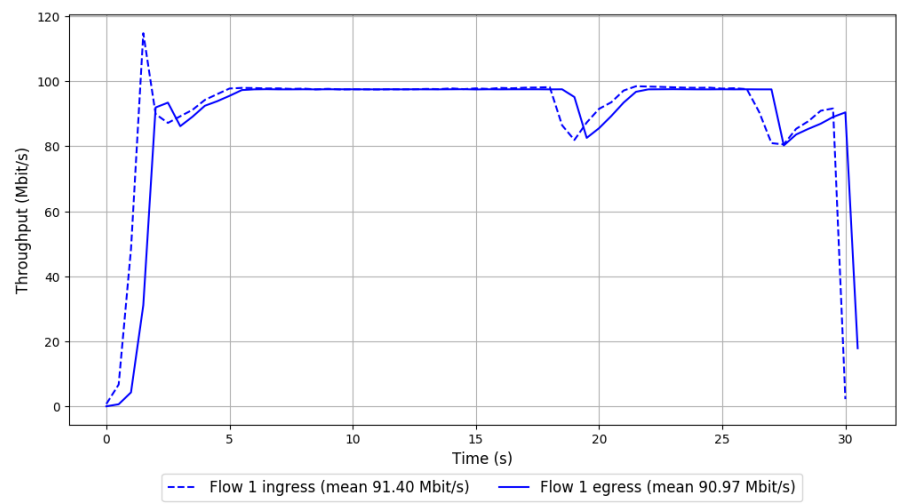


Run 3: Statistics of TCP Cubic

Start at: 2019-03-18 20:36:35
End at: 2019-03-18 20:37:05
Local clock offset: -7.023 ms
Remote clock offset: -1.091 ms

Below is generated by plot.py at 2019-03-18 21:30:38
Datalink statistics
-- Total of 1 flow:
Average throughput: 90.97 Mbit/s
95th percentile per-packet one-way delay: 108.201 ms
Loss rate: 0.46%
-- Flow 1:
Average throughput: 90.97 Mbit/s
95th percentile per-packet one-way delay: 108.201 ms
Loss rate: 0.46%

Run 3: Report of TCP Cubic — Data Link



Run 4: Statistics of TCP Cubic

Start at: 2019-03-18 21:01:20

End at: 2019-03-18 21:01:50

Local clock offset: -6.942 ms

Remote clock offset: 2.381 ms

Below is generated by plot.py at 2019-03-18 21:31:11

Datalink statistics

-- Total of 1 flow:

Average throughput: 91.13 Mbit/s

95th percentile per-packet one-way delay: 114.274 ms

Loss rate: 0.92%

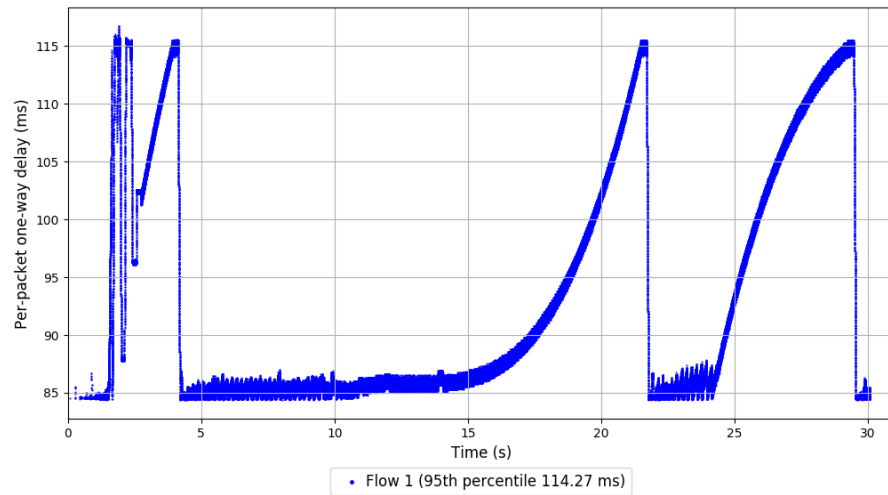
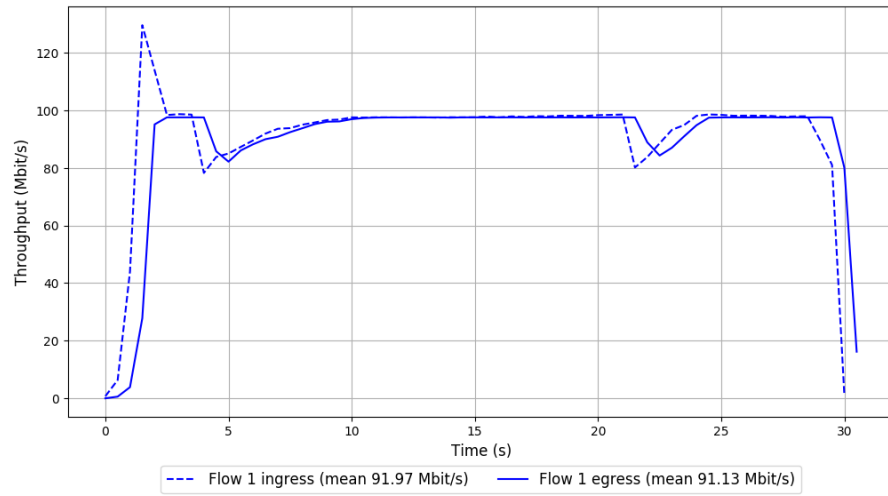
-- Flow 1:

Average throughput: 91.13 Mbit/s

95th percentile per-packet one-way delay: 114.274 ms

Loss rate: 0.92%

Run 4: Report of TCP Cubic — Data Link



Run 5: Statistics of TCP Cubic

Start at: 2019-03-18 21:26:00

End at: 2019-03-18 21:26:30

Local clock offset: -6.792 ms

Remote clock offset: 2.514 ms

Below is generated by plot.py at 2019-03-18 21:31:11

Datalink statistics

-- Total of 1 flow:

Average throughput: 73.95 Mbit/s

95th percentile per-packet one-way delay: 99.871 ms

Loss rate: 0.58%

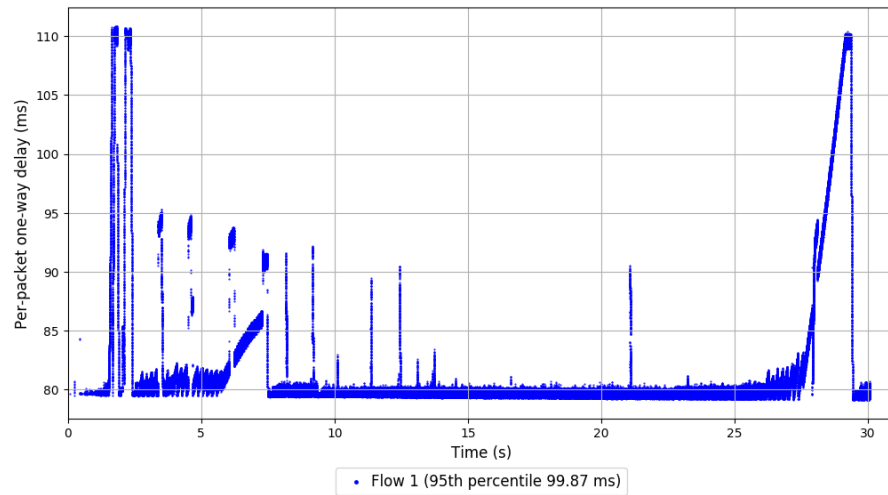
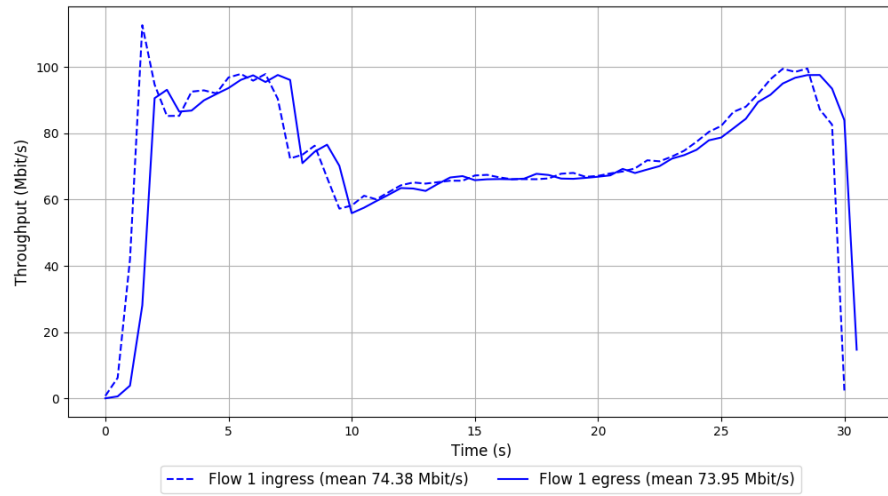
-- Flow 1:

Average throughput: 73.95 Mbit/s

95th percentile per-packet one-way delay: 99.871 ms

Loss rate: 0.58%

Run 5: Report of TCP Cubic — Data Link



Run 1: Statistics of FillP

Start at: 2019-03-18 19:23:54

End at: 2019-03-18 19:24:24

Local clock offset: -7.508 ms

Remote clock offset: 0.55 ms

Below is generated by plot.py at 2019-03-18 21:31:25

Datalink statistics

-- Total of 1 flow:

Average throughput: 92.67 Mbit/s

95th percentile per-packet one-way delay: 98.918 ms

Loss rate: 1.01%

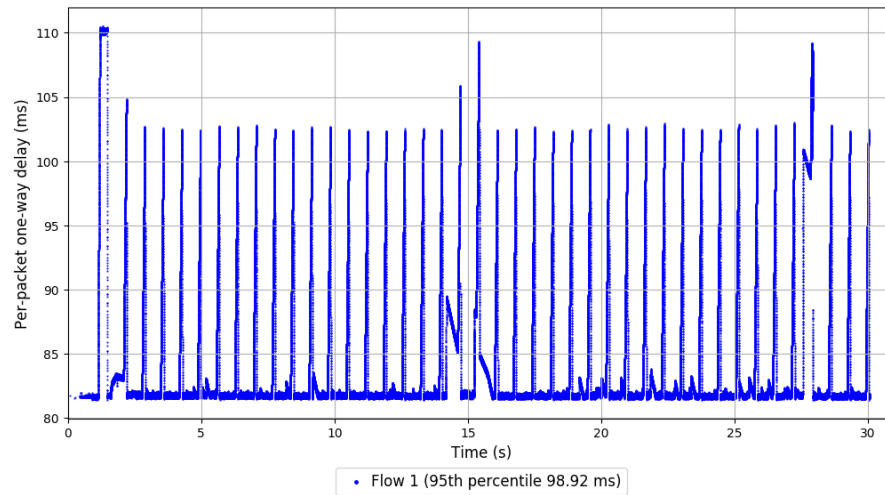
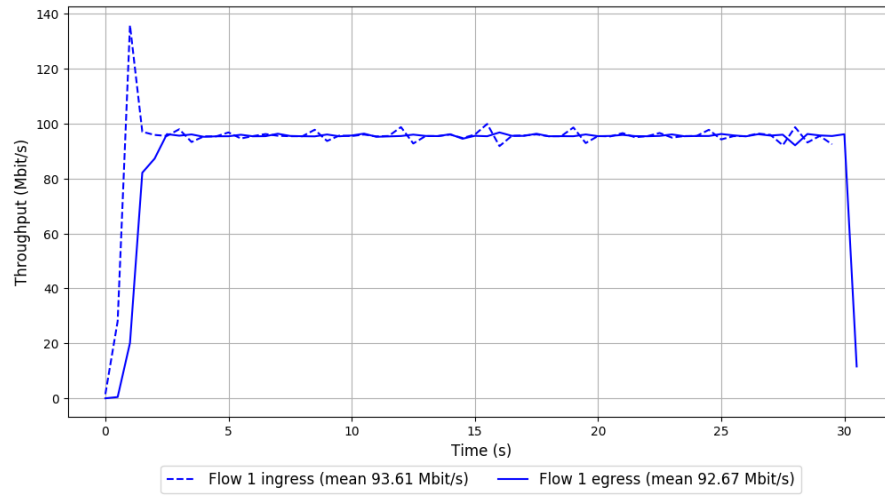
-- Flow 1:

Average throughput: 92.67 Mbit/s

95th percentile per-packet one-way delay: 98.918 ms

Loss rate: 1.01%

Run 1: Report of FillP — Data Link



Run 2: Statistics of FillP

Start at: 2019-03-18 19:48:35

End at: 2019-03-18 19:49:05

Local clock offset: -8.808 ms

Remote clock offset: 0.305 ms

Below is generated by plot.py at 2019-03-18 21:31:27

Datalink statistics

-- Total of 1 flow:

Average throughput: 92.73 Mbit/s

95th percentile per-packet one-way delay: 96.889 ms

Loss rate: 1.04%

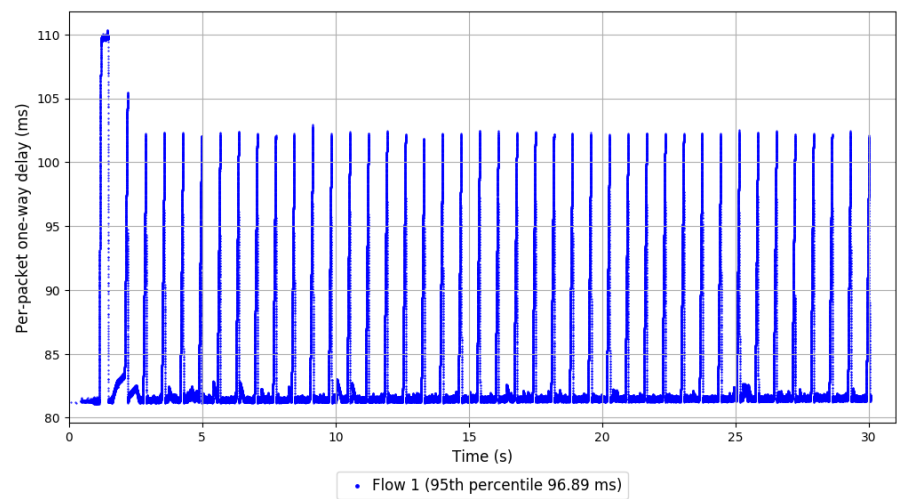
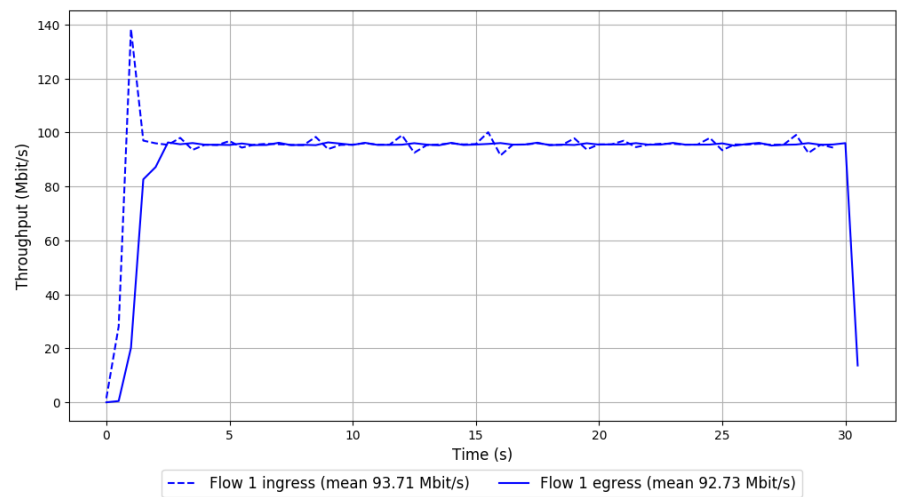
-- Flow 1:

Average throughput: 92.73 Mbit/s

95th percentile per-packet one-way delay: 96.889 ms

Loss rate: 1.04%

Run 2: Report of FillP — Data Link

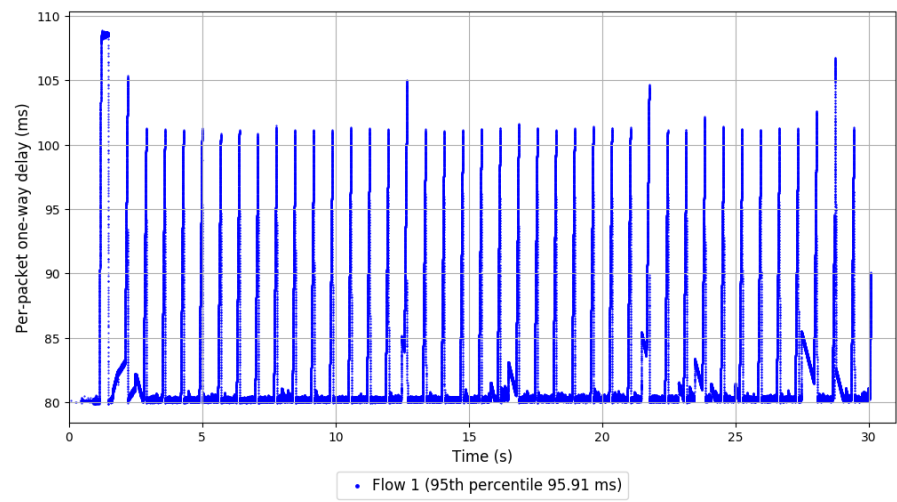
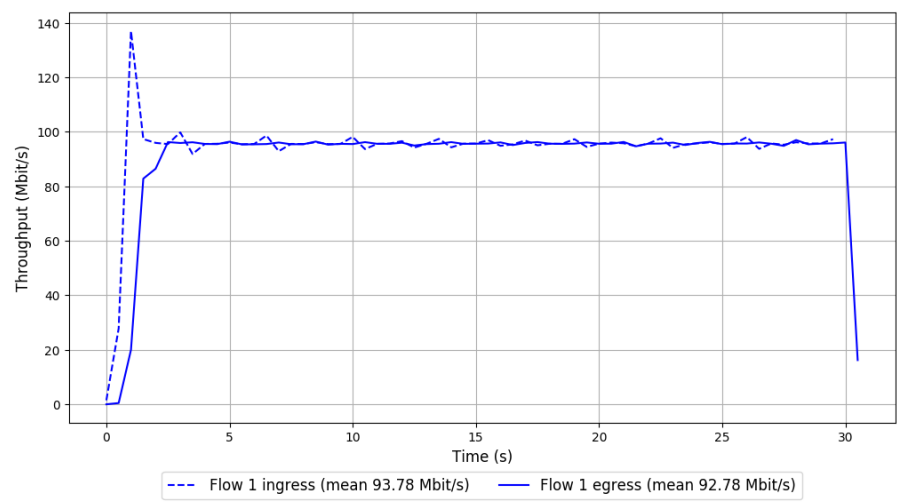


Run 3: Statistics of FillP

Start at: 2019-03-18 20:13:45
End at: 2019-03-18 20:14:15
Local clock offset: -7.144 ms
Remote clock offset: -0.906 ms

Below is generated by plot.py at 2019-03-18 21:31:27
Datalink statistics
-- Total of 1 flow:
Average throughput: 92.78 Mbit/s
95th percentile per-packet one-way delay: 95.907 ms
Loss rate: 1.03%
-- Flow 1:
Average throughput: 92.78 Mbit/s
95th percentile per-packet one-way delay: 95.907 ms
Loss rate: 1.03%

Run 3: Report of FillP — Data Link



Run 4: Statistics of FillP

Start at: 2019-03-18 20:38:56

End at: 2019-03-18 20:39:26

Local clock offset: -7.85 ms

Remote clock offset: 2.617 ms

Below is generated by plot.py at 2019-03-18 21:31:45

Datalink statistics

-- Total of 1 flow:

Average throughput: 92.76 Mbit/s

95th percentile per-packet one-way delay: 101.461 ms

Loss rate: 0.81%

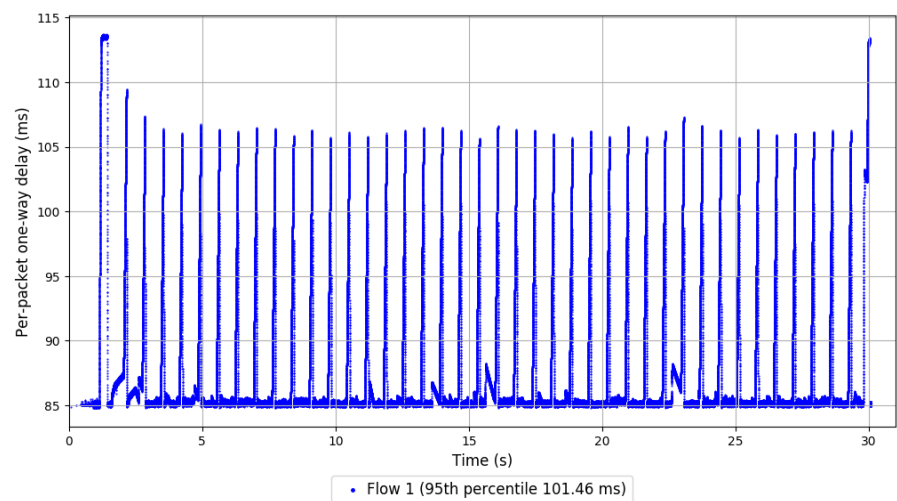
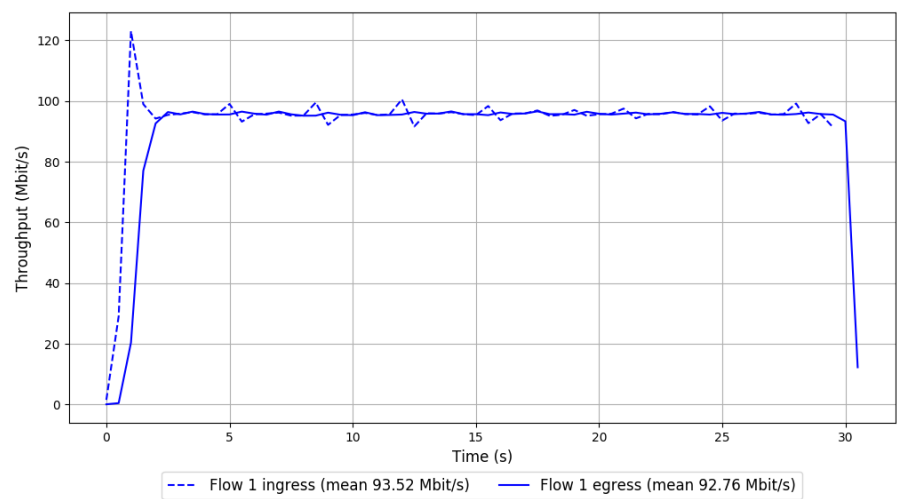
-- Flow 1:

Average throughput: 92.76 Mbit/s

95th percentile per-packet one-way delay: 101.461 ms

Loss rate: 0.81%

Run 4: Report of FillP — Data Link

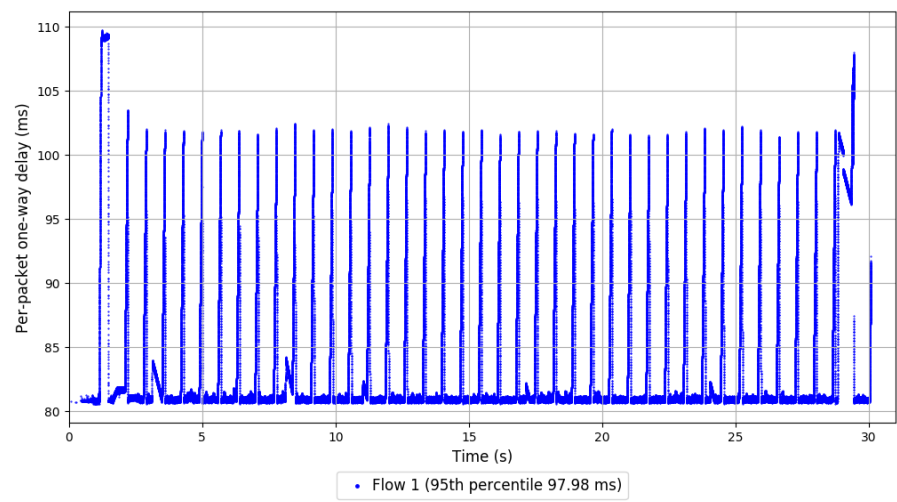
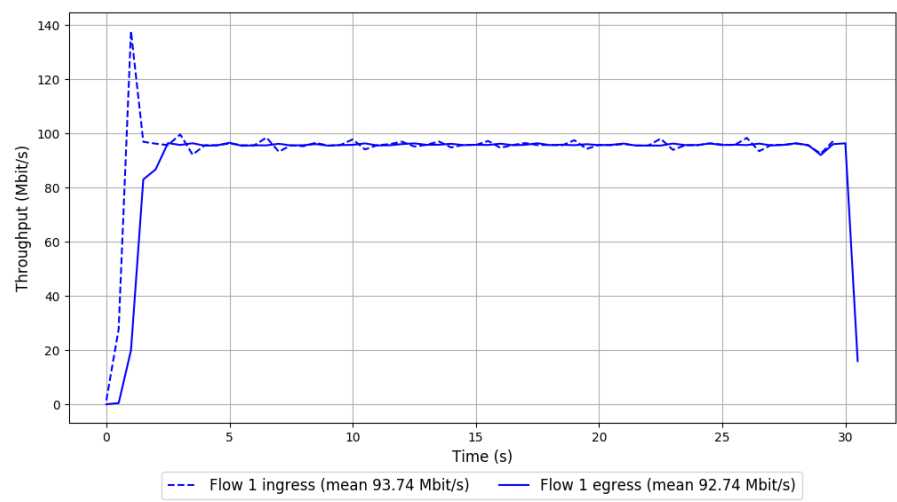


Run 5: Statistics of FillP

Start at: 2019-03-18 21:03:40
End at: 2019-03-18 21:04:11
Local clock offset: -6.929 ms
Remote clock offset: -1.365 ms

Below is generated by plot.py at 2019-03-18 21:32:00
Datalink statistics
-- Total of 1 flow:
Average throughput: 92.74 Mbit/s
95th percentile per-packet one-way delay: 97.979 ms
Loss rate: 1.04%
-- Flow 1:
Average throughput: 92.74 Mbit/s
95th percentile per-packet one-way delay: 97.979 ms
Loss rate: 1.04%

Run 5: Report of FillP — Data Link

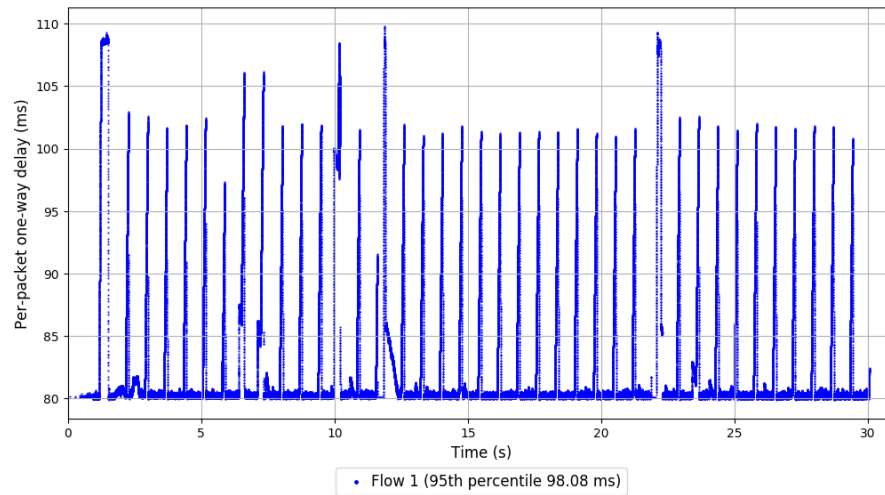
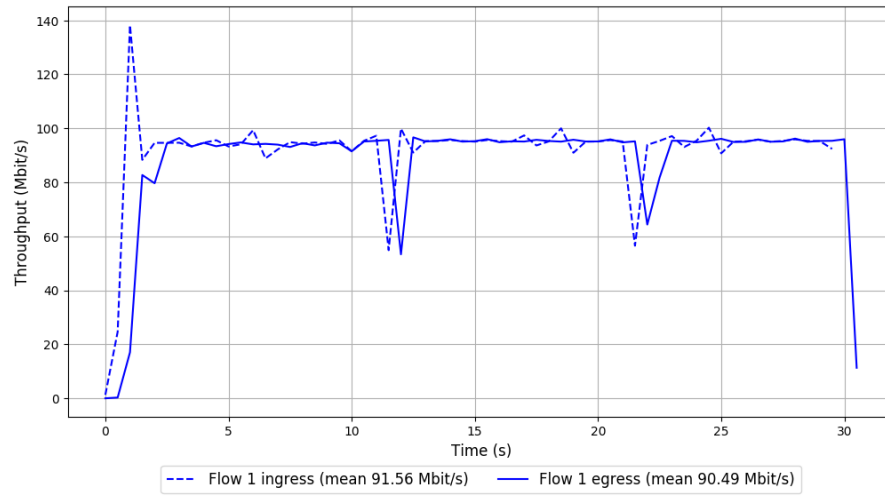


Run 1: Statistics of FillP-Sheep

Start at: 2019-03-18 19:27:27
End at: 2019-03-18 19:27:57
Local clock offset: -7.879 ms
Remote clock offset: -0.409 ms

Below is generated by plot.py at 2019-03-18 21:32:00
Datalink statistics
-- Total of 1 flow:
Average throughput: 90.49 Mbit/s
95th percentile per-packet one-way delay: 98.080 ms
Loss rate: 1.17%
-- Flow 1:
Average throughput: 90.49 Mbit/s
95th percentile per-packet one-way delay: 98.080 ms
Loss rate: 1.17%

Run 1: Report of FillP-Sheep — Data Link



Run 2: Statistics of FillP-Sheep

Start at: 2019-03-18 19:52:08

End at: 2019-03-18 19:52:38

Local clock offset: -7.329 ms

Remote clock offset: 4.379 ms

Below is generated by plot.py at 2019-03-18 21:32:16

Datalink statistics

-- Total of 1 flow:

Average throughput: 91.02 Mbit/s

95th percentile per-packet one-way delay: 100.729 ms

Loss rate: 1.01%

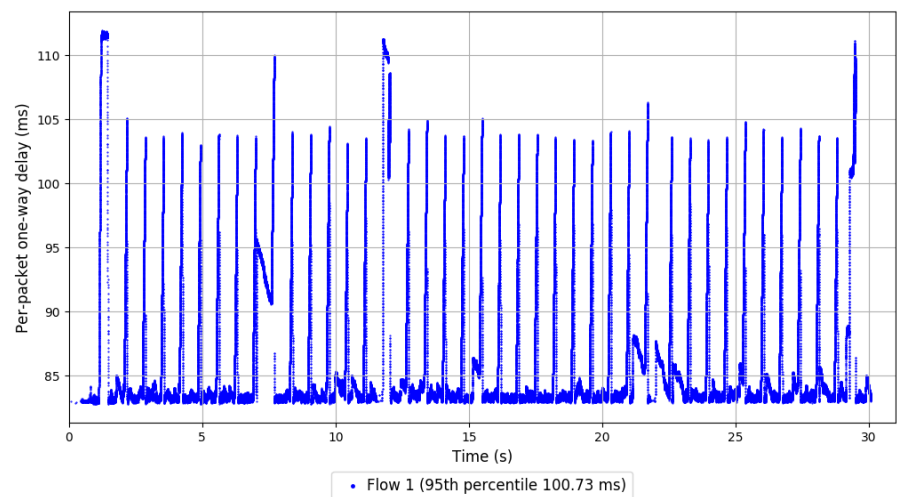
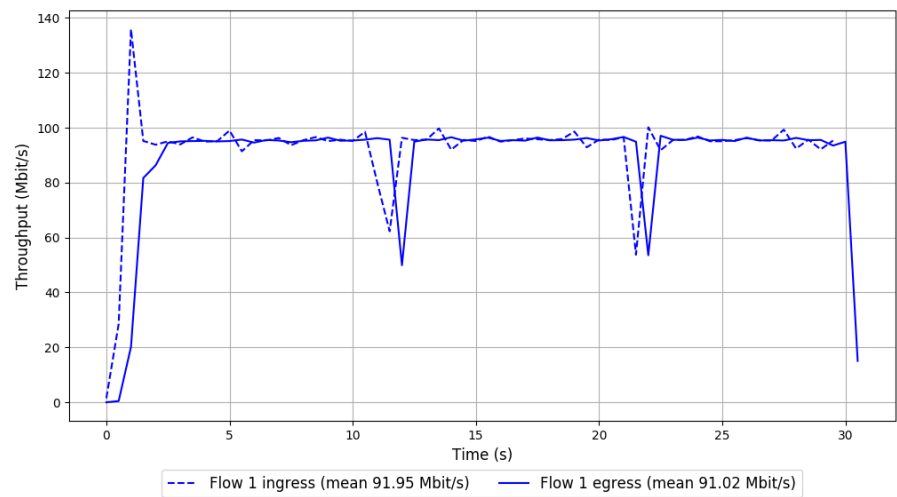
-- Flow 1:

Average throughput: 91.02 Mbit/s

95th percentile per-packet one-way delay: 100.729 ms

Loss rate: 1.01%

Run 2: Report of FillP-Sheep — Data Link

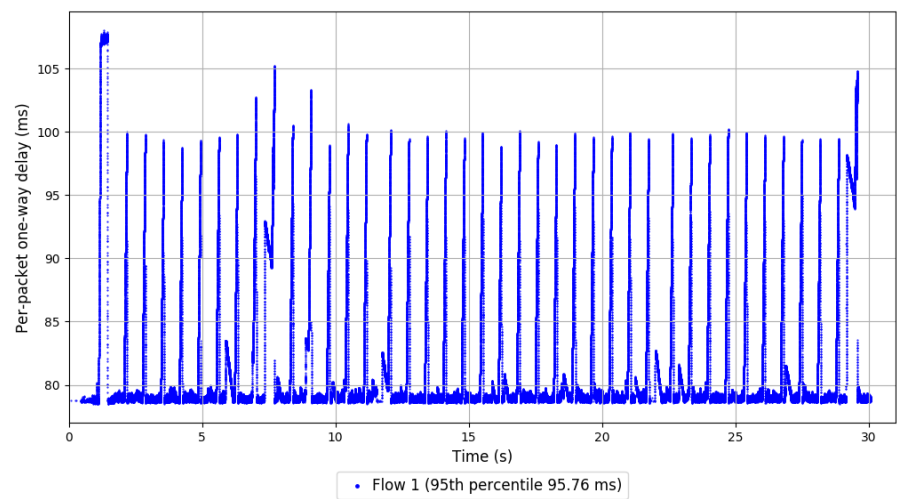
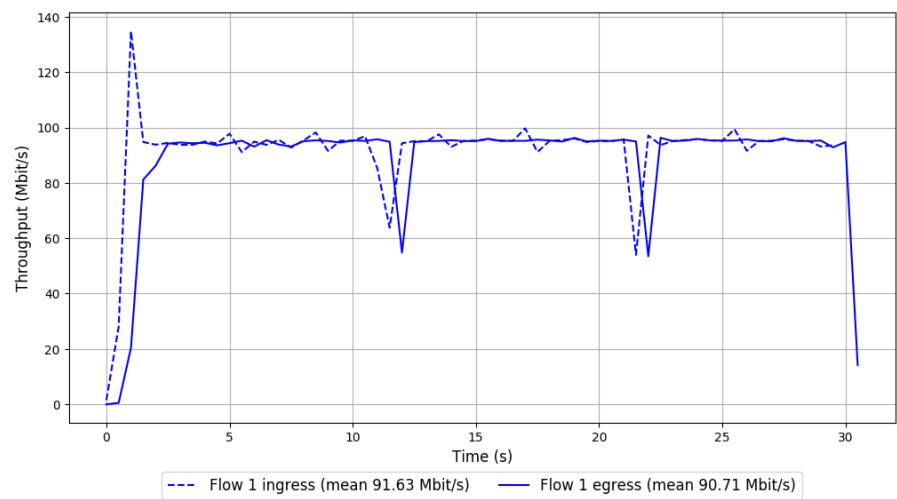


Run 3: Statistics of FillP-Sheep

Start at: 2019-03-18 20:17:20
End at: 2019-03-18 20:17:50
Local clock offset: -6.441 ms
Remote clock offset: -0.391 ms

Below is generated by plot.py at 2019-03-18 21:32:30
Datalink statistics
-- Total of 1 flow:
Average throughput: 90.71 Mbit/s
95th percentile per-packet one-way delay: 95.757 ms
Loss rate: 1.00%
-- Flow 1:
Average throughput: 90.71 Mbit/s
95th percentile per-packet one-way delay: 95.757 ms
Loss rate: 1.00%

Run 3: Report of FillP-Sheep — Data Link



Run 4: Statistics of FillP-Sheep

Start at: 2019-03-18 20:42:29

End at: 2019-03-18 20:42:59

Local clock offset: -7.196 ms

Remote clock offset: 1.642 ms

Below is generated by plot.py at 2019-03-18 21:32:44

Datalink statistics

-- Total of 1 flow:

Average throughput: 91.08 Mbit/s

95th percentile per-packet one-way delay: 99.684 ms

Loss rate: 1.03%

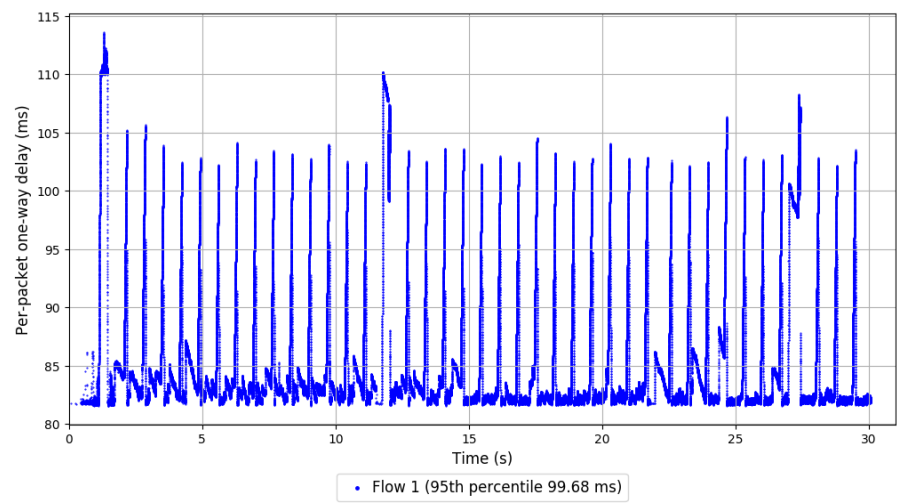
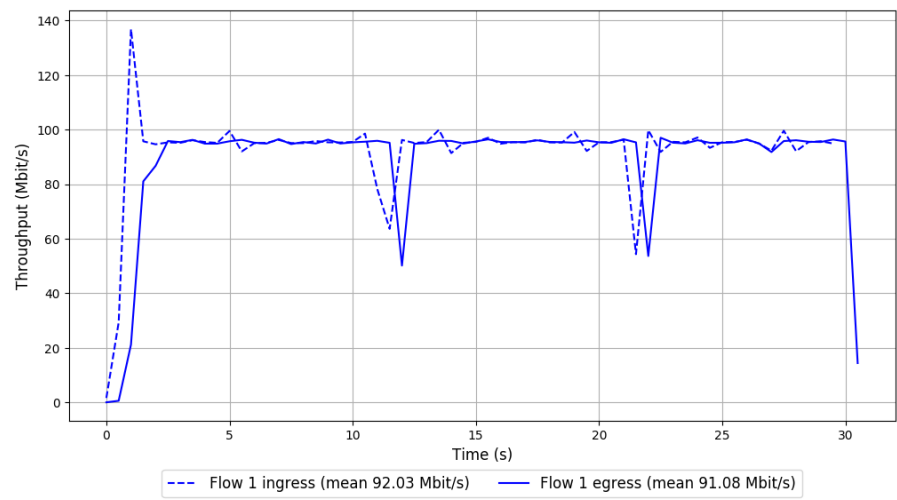
-- Flow 1:

Average throughput: 91.08 Mbit/s

95th percentile per-packet one-way delay: 99.684 ms

Loss rate: 1.03%

Run 4: Report of FillP-Sheep — Data Link



Run 5: Statistics of FillP-Sheep

Start at: 2019-03-18 21:07:13

End at: 2019-03-18 21:07:44

Local clock offset: -7.75 ms

Remote clock offset: -2.632 ms

Below is generated by plot.py at 2019-03-18 21:32:45

Datalink statistics

-- Total of 1 flow:

Average throughput: 90.79 Mbit/s

95th percentile per-packet one-way delay: 97.504 ms

Loss rate: 1.02%

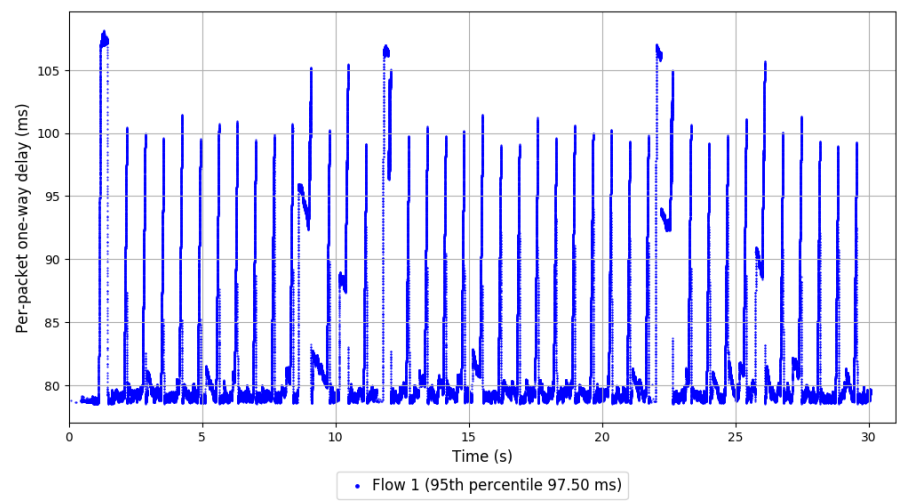
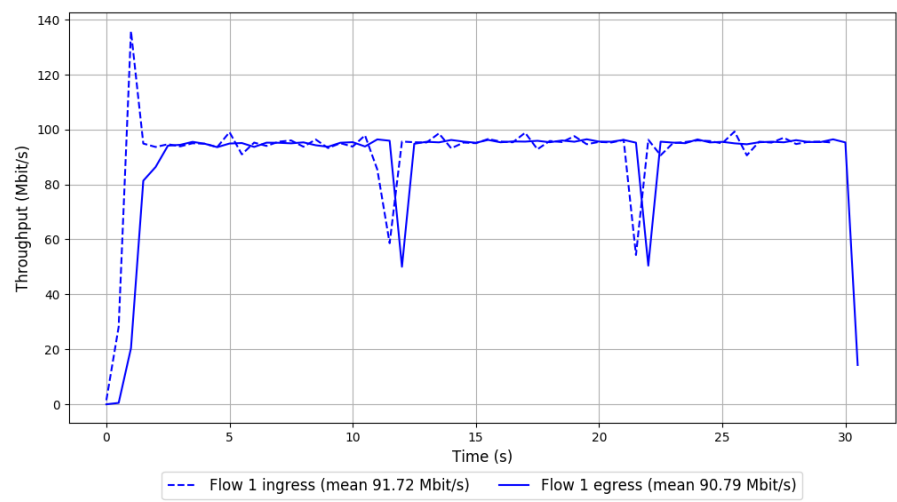
-- Flow 1:

Average throughput: 90.79 Mbit/s

95th percentile per-packet one-way delay: 97.504 ms

Loss rate: 1.02%

Run 5: Report of FillP-Sheep — Data Link

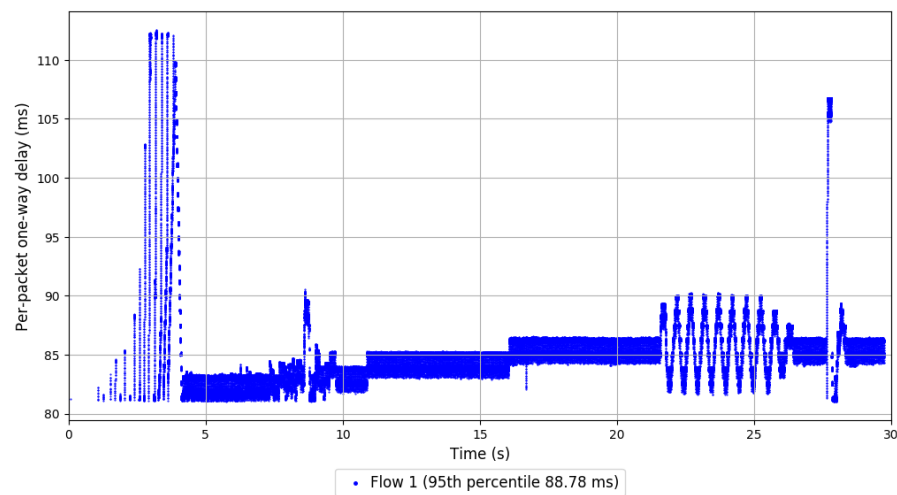
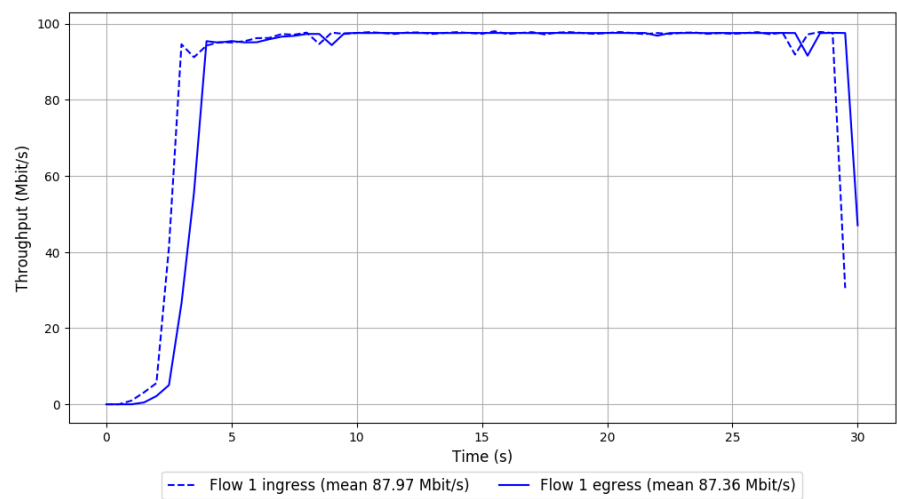


```
Run 1: Statistics of Indigo

Start at: 2019-03-18 19:25:06
End at: 2019-03-18 19:25:36
Local clock offset: -7.638 ms
Remote clock offset: 0.6 ms

# Below is generated by plot.py at 2019-03-18 21:32:45
# Datalink statistics
-- Total of 1 flow:
Average throughput: 87.36 Mbit/s
95th percentile per-packet one-way delay: 88.776 ms
Loss rate: 0.68%
-- Flow 1:
Average throughput: 87.36 Mbit/s
95th percentile per-packet one-way delay: 88.776 ms
Loss rate: 0.68%
```

Run 1: Report of Indigo — Data Link



Run 2: Statistics of Indigo

Start at: 2019-03-18 19:49:47

End at: 2019-03-18 19:50:17

Local clock offset: -7.822 ms

Remote clock offset: 4.141 ms

Below is generated by plot.py at 2019-03-18 21:32:53

Datalink statistics

-- Total of 1 flow:

Average throughput: 91.31 Mbit/s

95th percentile per-packet one-way delay: 89.908 ms

Loss rate: 1.05%

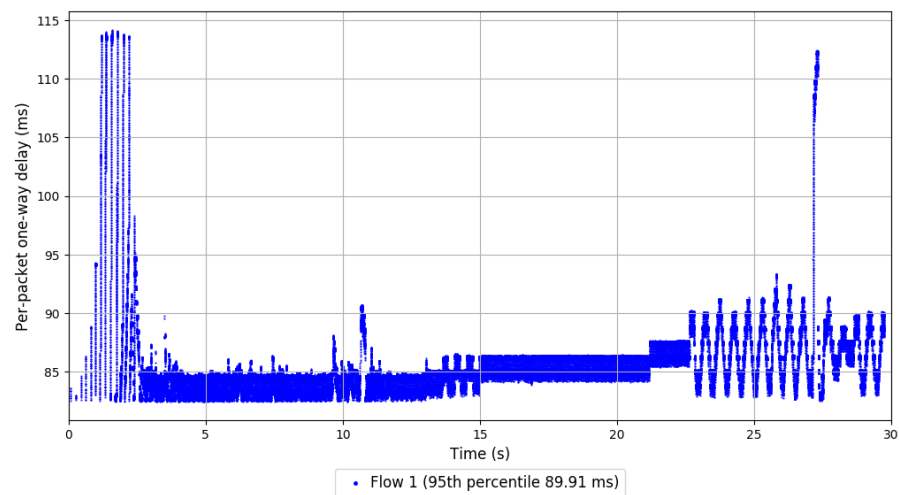
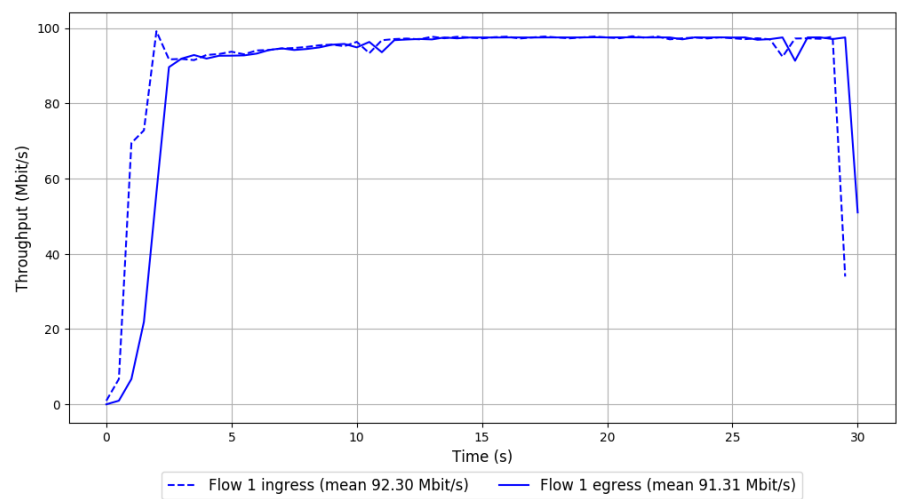
-- Flow 1:

Average throughput: 91.31 Mbit/s

95th percentile per-packet one-way delay: 89.908 ms

Loss rate: 1.05%

Run 2: Report of Indigo — Data Link



Run 3: Statistics of Indigo

Start at: 2019-03-18 20:14:57

End at: 2019-03-18 20:15:27

Local clock offset: -7.133 ms

Remote clock offset: 0.057 ms

Below is generated by plot.py at 2019-03-18 21:33:06

Datalink statistics

-- Total of 1 flow:

Average throughput: 91.74 Mbit/s

95th percentile per-packet one-way delay: 86.175 ms

Loss rate: 0.69%

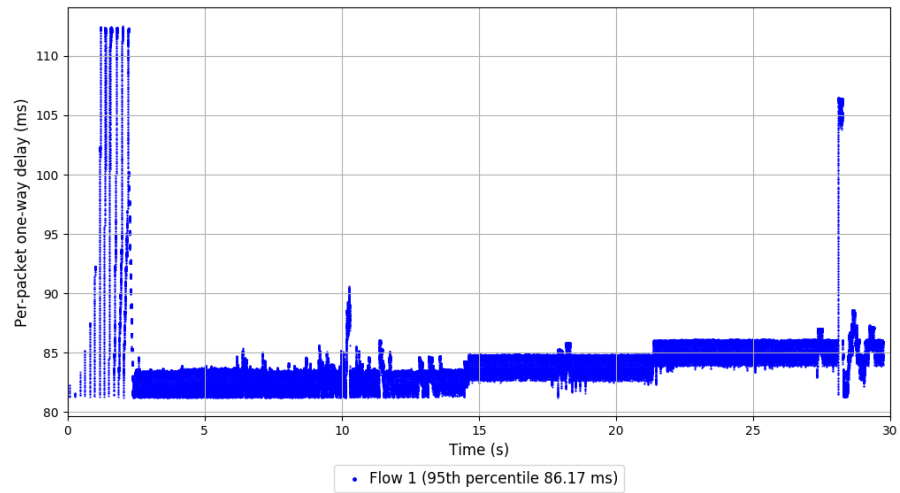
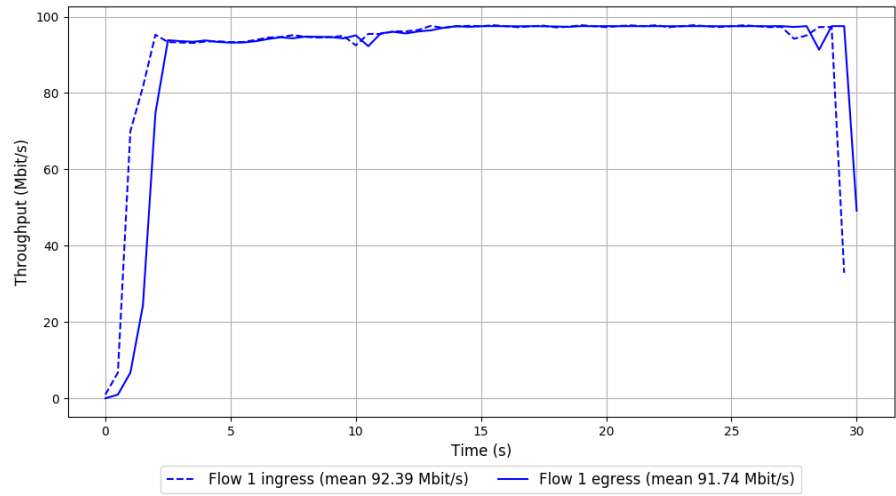
-- Flow 1:

Average throughput: 91.74 Mbit/s

95th percentile per-packet one-way delay: 86.175 ms

Loss rate: 0.69%

Run 3: Report of Indigo — Data Link



Run 4: Statistics of Indigo

Start at: 2019-03-18 20:40:08

End at: 2019-03-18 20:40:38

Local clock offset: -7.115 ms

Remote clock offset: 2.749 ms

Below is generated by plot.py at 2019-03-18 21:33:07

Datalink statistics

-- Total of 1 flow:

Average throughput: 90.69 Mbit/s

95th percentile per-packet one-way delay: 90.128 ms

Loss rate: 1.20%

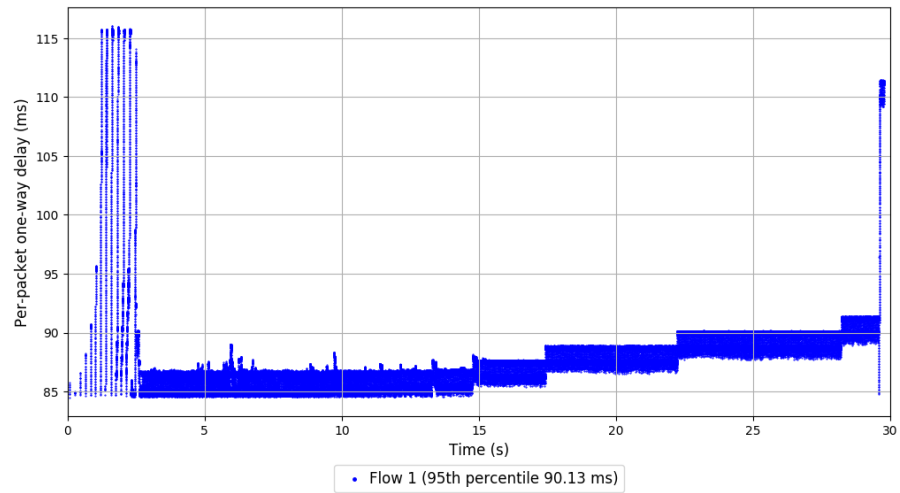
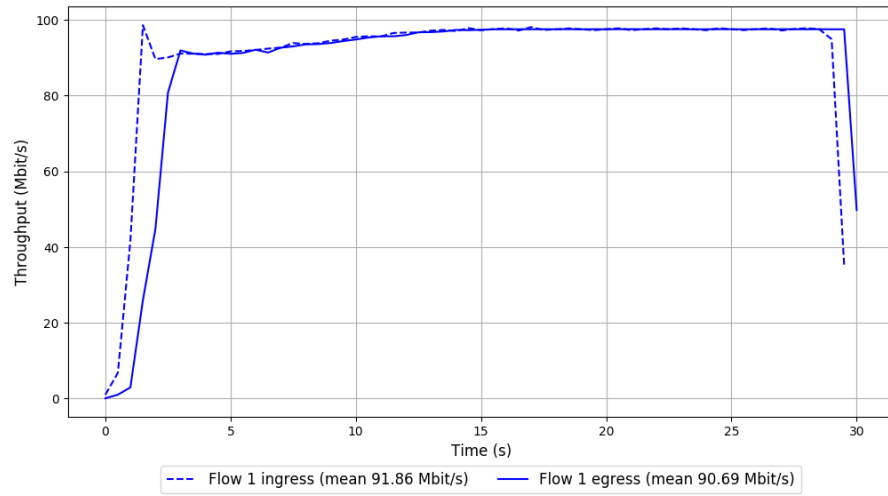
-- Flow 1:

Average throughput: 90.69 Mbit/s

95th percentile per-packet one-way delay: 90.128 ms

Loss rate: 1.20%

Run 4: Report of Indigo — Data Link



Run 5: Statistics of Indigo

Start at: 2019-03-18 21:04:52

End at: 2019-03-18 21:05:22

Local clock offset: -6.955 ms

Remote clock offset: 1.225 ms

Below is generated by plot.py at 2019-03-18 21:33:24

Datalink statistics

-- Total of 1 flow:

Average throughput: 92.60 Mbit/s

95th percentile per-packet one-way delay: 88.987 ms

Loss rate: 0.68%

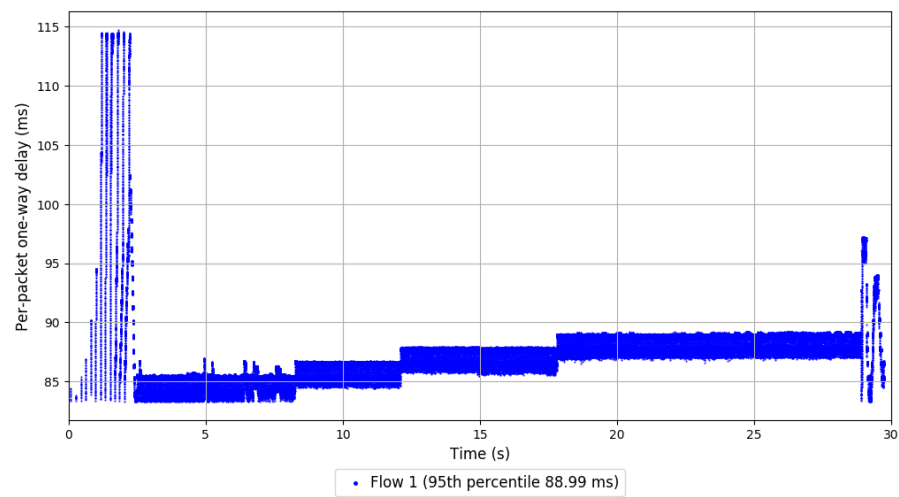
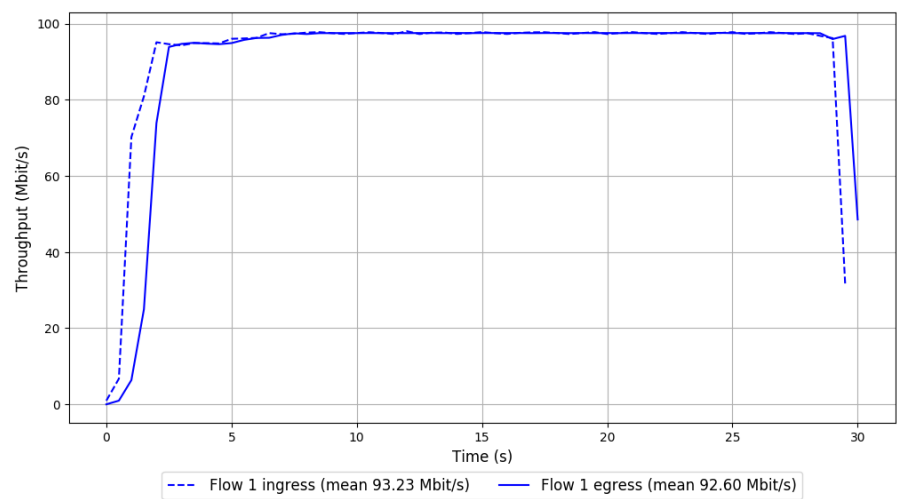
-- Flow 1:

Average throughput: 92.60 Mbit/s

95th percentile per-packet one-way delay: 88.987 ms

Loss rate: 0.68%

Run 5: Report of Indigo — Data Link



Run 1: Statistics of Indigo-MusesC3

Start at: 2019-03-18 19:39:12

End at: 2019-03-18 19:39:42

Local clock offset: -8.935 ms

Remote clock offset: 0.808 ms

Below is generated by plot.py at 2019-03-18 21:33:38

Datalink statistics

-- Total of 1 flow:

Average throughput: 94.95 Mbit/s

95th percentile per-packet one-way delay: 90.819 ms

Loss rate: 0.88%

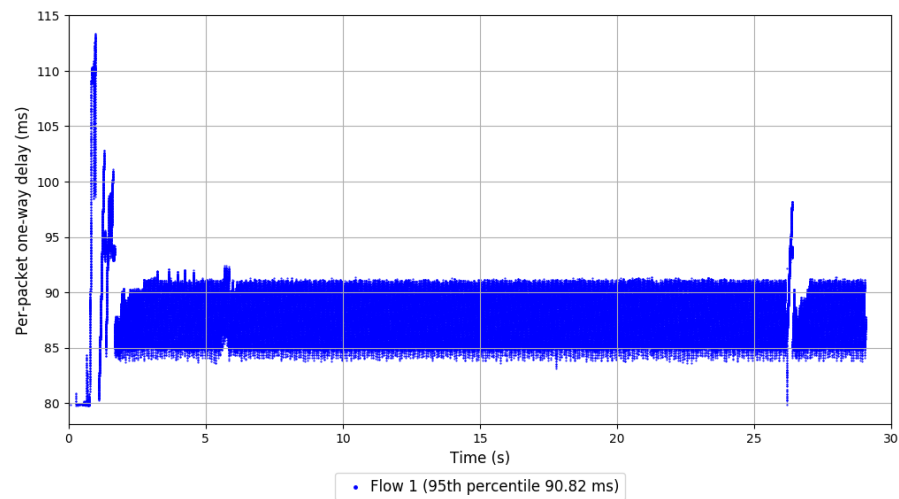
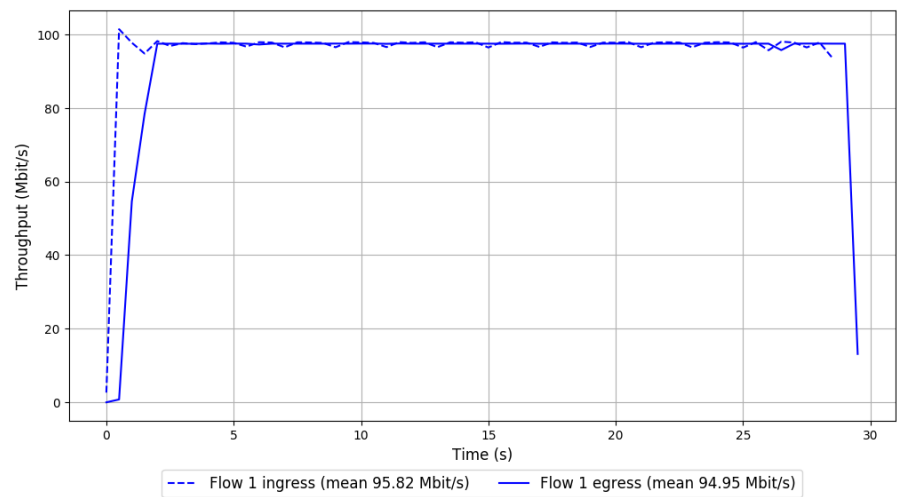
-- Flow 1:

Average throughput: 94.95 Mbit/s

95th percentile per-packet one-way delay: 90.819 ms

Loss rate: 0.88%

Run 1: Report of Indigo-MusesC3 — Data Link

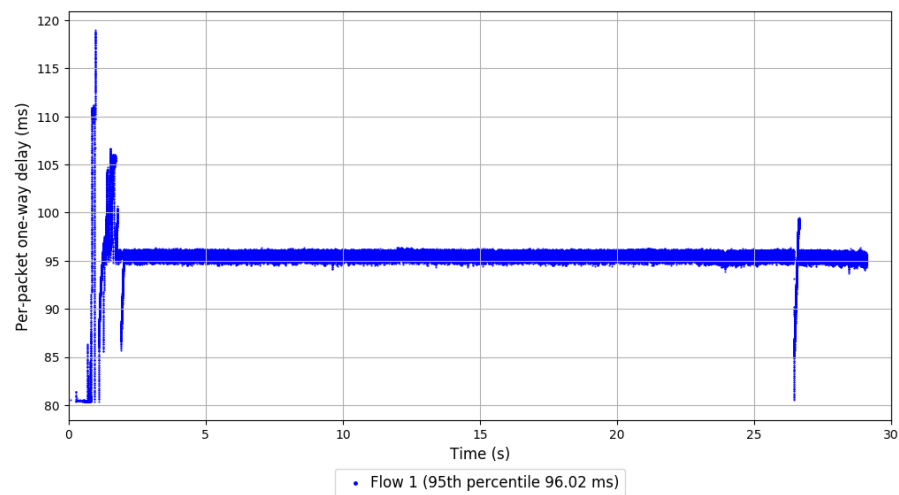
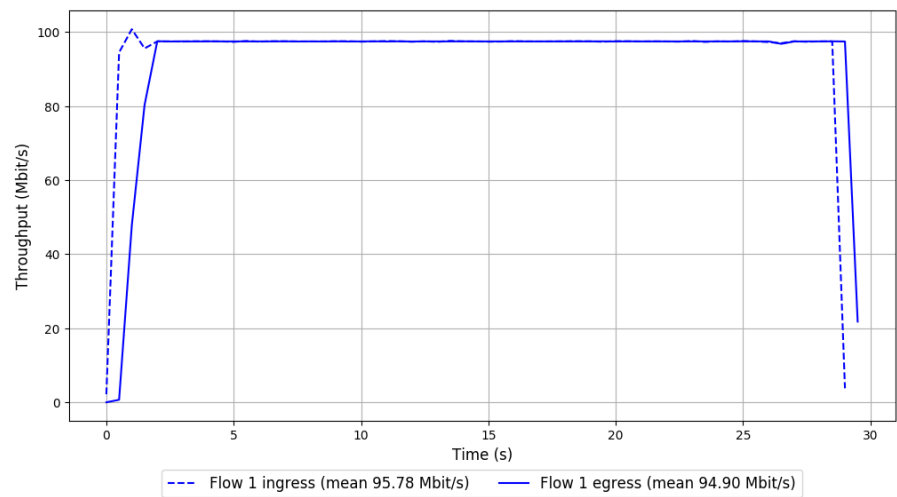


Run 2: Statistics of Indigo-MusesC3

Start at: 2019-03-18 20:03:57
End at: 2019-03-18 20:04:27
Local clock offset: -7.254 ms
Remote clock offset: -0.542 ms

Below is generated by plot.py at 2019-03-18 21:33:39
Datalink statistics
-- Total of 1 flow:
Average throughput: 94.90 Mbit/s
95th percentile per-packet one-way delay: 96.020 ms
Loss rate: 0.88%
-- Flow 1:
Average throughput: 94.90 Mbit/s
95th percentile per-packet one-way delay: 96.020 ms
Loss rate: 0.88%

Run 2: Report of Indigo-MusesC3 — Data Link



Run 3: Statistics of Indigo-MusesC3

Start at: 2019-03-18 20:29:20

End at: 2019-03-18 20:29:50

Local clock offset: -7.565 ms

Remote clock offset: 2.784 ms

Below is generated by plot.py at 2019-03-18 21:33:51

Datalink statistics

-- Total of 1 flow:

Average throughput: 95.04 Mbit/s

95th percentile per-packet one-way delay: 100.295 ms

Loss rate: 0.29%

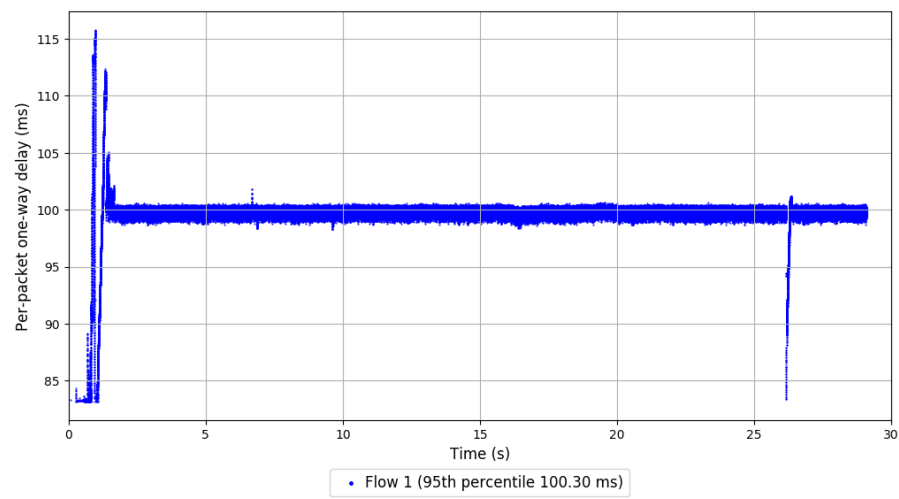
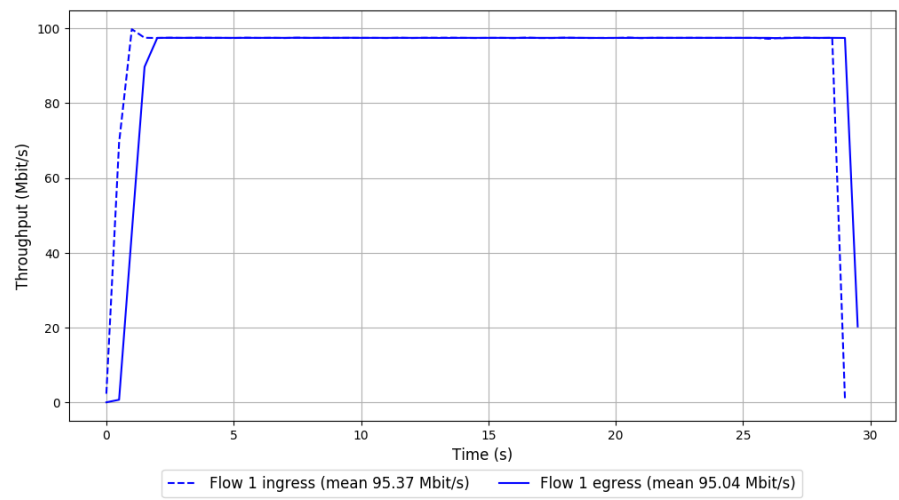
-- Flow 1:

Average throughput: 95.04 Mbit/s

95th percentile per-packet one-way delay: 100.295 ms

Loss rate: 0.29%

Run 3: Report of Indigo-MusesC3 — Data Link

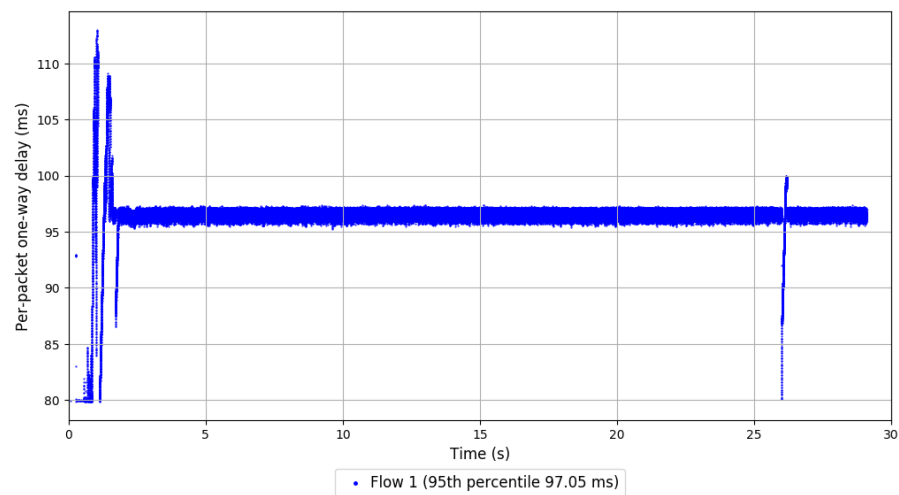
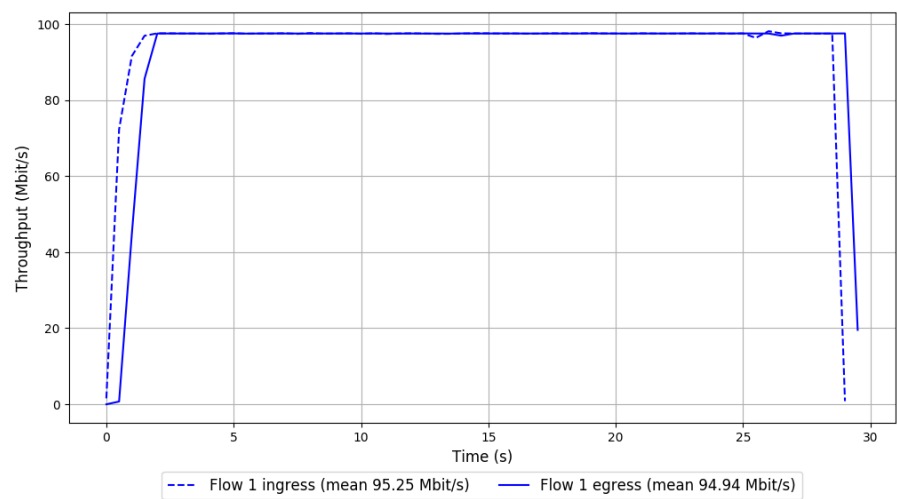


Run 4: Statistics of Indigo-MusesC3

Start at: 2019-03-18 20:54:17
End at: 2019-03-18 20:54:47
Local clock offset: -7.808 ms
Remote clock offset: -1.474 ms

Below is generated by plot.py at 2019-03-18 21:33:55
Datalink statistics
-- Total of 1 flow:
Average throughput: 94.94 Mbit/s
95th percentile per-packet one-way delay: 97.053 ms
Loss rate: 0.27%
-- Flow 1:
Average throughput: 94.94 Mbit/s
95th percentile per-packet one-way delay: 97.053 ms
Loss rate: 0.27%

Run 4: Report of Indigo-MusesC3 — Data Link



Run 5: Statistics of Indigo-MusesC3

Start at: 2019-03-18 21:18:58

End at: 2019-03-18 21:19:28

Local clock offset: -7.74 ms

Remote clock offset: 2.213 ms

Below is generated by plot.py at 2019-03-18 21:34:01

Datalink statistics

-- Total of 1 flow:

Average throughput: 94.81 Mbit/s

95th percentile per-packet one-way delay: 100.325 ms

Loss rate: 0.49%

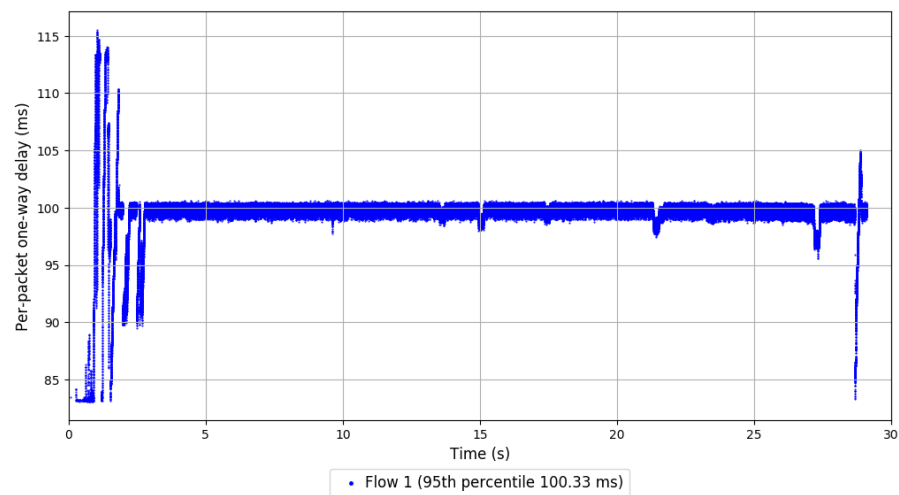
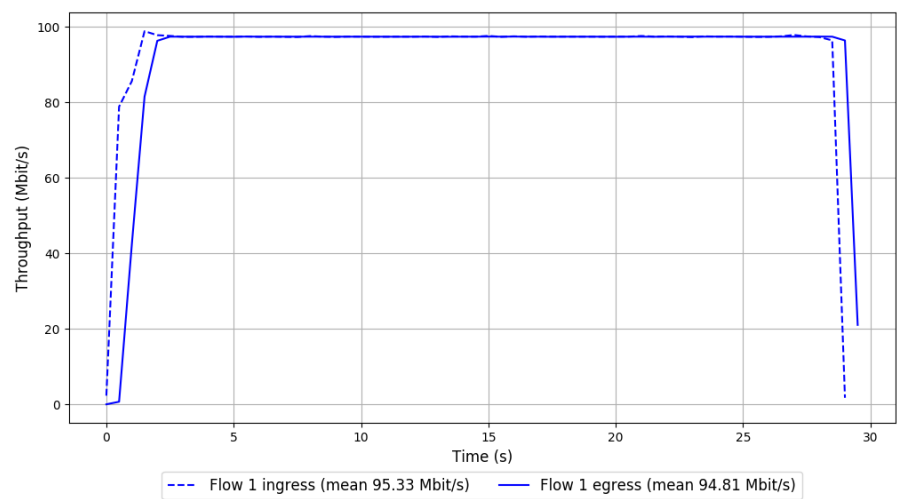
-- Flow 1:

Average throughput: 94.81 Mbit/s

95th percentile per-packet one-way delay: 100.325 ms

Loss rate: 0.49%

Run 5: Report of Indigo-MusesC3 — Data Link



Run 1: Statistics of Indigo-MusesC5

Start at: 2019-03-18 19:41:31

End at: 2019-03-18 19:42:01

Local clock offset: -8.39 ms

Remote clock offset: 4.654 ms

Below is generated by plot.py at 2019-03-18 21:34:13

Datalink statistics

-- Total of 1 flow:

Average throughput: 94.13 Mbit/s

95th percentile per-packet one-way delay: 95.660 ms

Loss rate: 0.01%

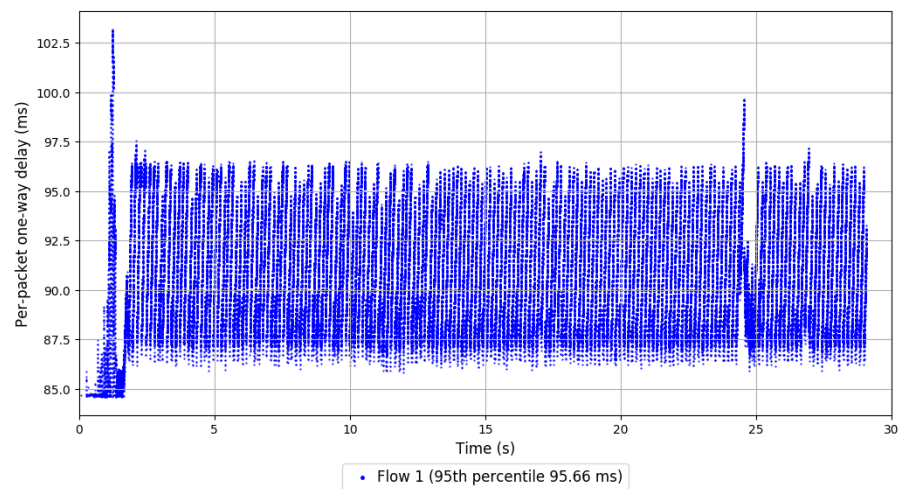
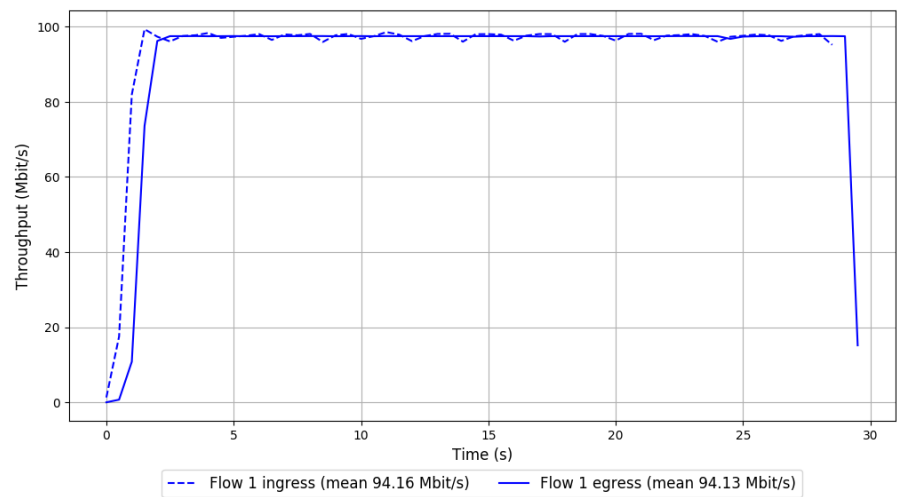
-- Flow 1:

Average throughput: 94.13 Mbit/s

95th percentile per-packet one-way delay: 95.660 ms

Loss rate: 0.01%

Run 1: Report of Indigo-MusesC5 — Data Link



Run 2: Statistics of Indigo-MusesC5

Start at: 2019-03-18 20:06:17

End at: 2019-03-18 20:06:47

Local clock offset: -6.365 ms

Remote clock offset: 4.423 ms

Below is generated by plot.py at 2019-03-18 21:34:15

Datalink statistics

-- Total of 1 flow:

Average throughput: 93.80 Mbit/s

95th percentile per-packet one-way delay: 90.813 ms

Loss rate: 0.25%

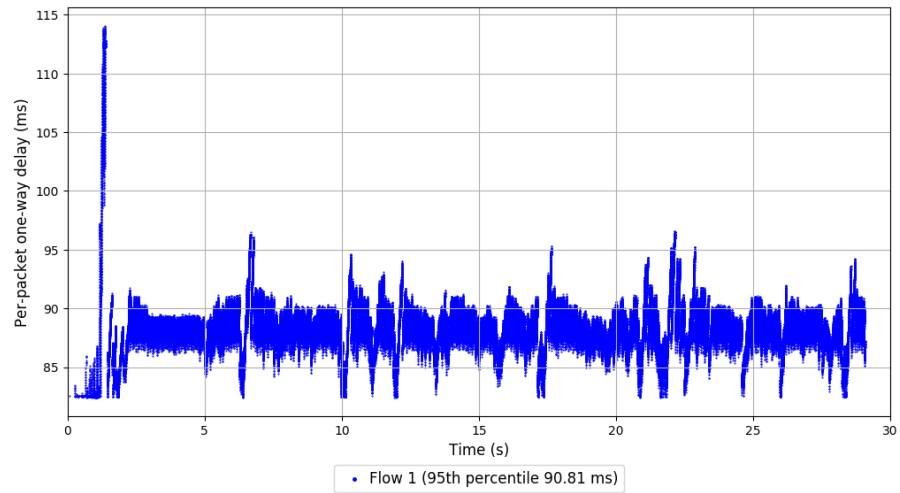
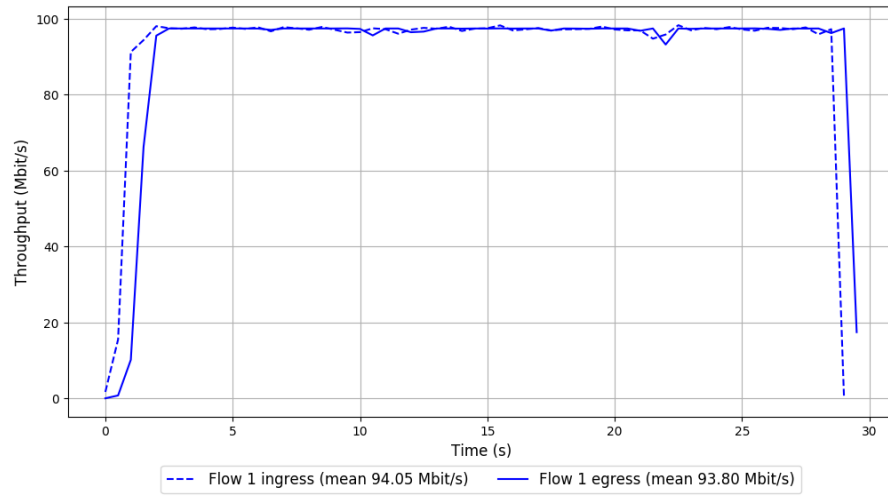
-- Flow 1:

Average throughput: 93.80 Mbit/s

95th percentile per-packet one-way delay: 90.813 ms

Loss rate: 0.25%

Run 2: Report of Indigo-MusesC5 — Data Link

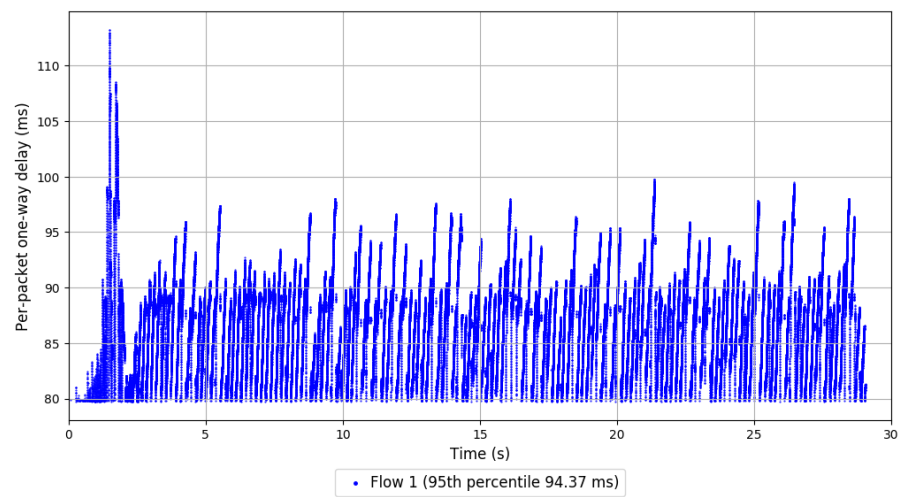
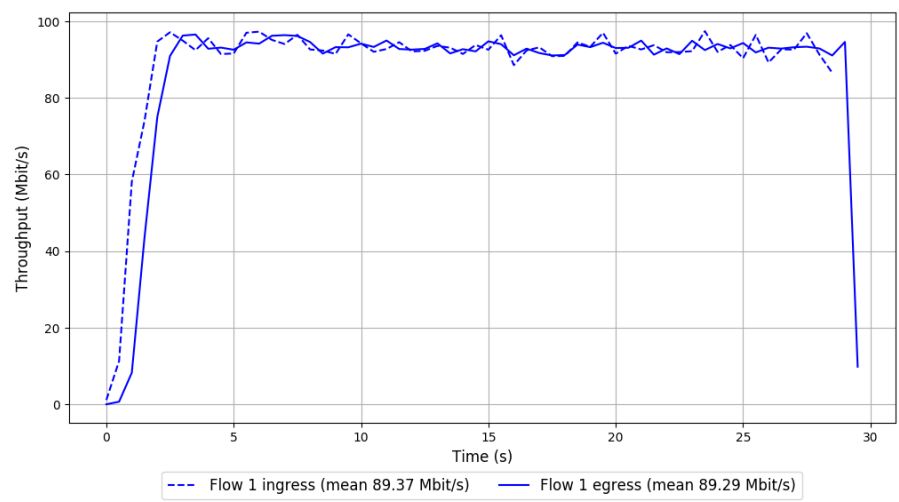


Run 3: Statistics of Indigo-MusesC5

Start at: 2019-03-18 20:31:45
End at: 2019-03-18 20:32:15
Local clock offset: -7.651 ms
Remote clock offset: -0.956 ms

Below is generated by plot.py at 2019-03-18 21:34:29
Datalink statistics
-- Total of 1 flow:
Average throughput: 89.29 Mbit/s
95th percentile per-packet one-way delay: 94.368 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 89.29 Mbit/s
95th percentile per-packet one-way delay: 94.368 ms
Loss rate: 0.09%

Run 3: Report of Indigo-MusesC5 — Data Link



Run 4: Statistics of Indigo-MusesC5

Start at: 2019-03-18 20:56:36

End at: 2019-03-18 20:57:06

Local clock offset: -7.713 ms

Remote clock offset: 2.383 ms

Below is generated by plot.py at 2019-03-18 21:34:45

Datalink statistics

-- Total of 1 flow:

Average throughput: 94.31 Mbit/s

95th percentile per-packet one-way delay: 97.287 ms

Loss rate: 0.00%

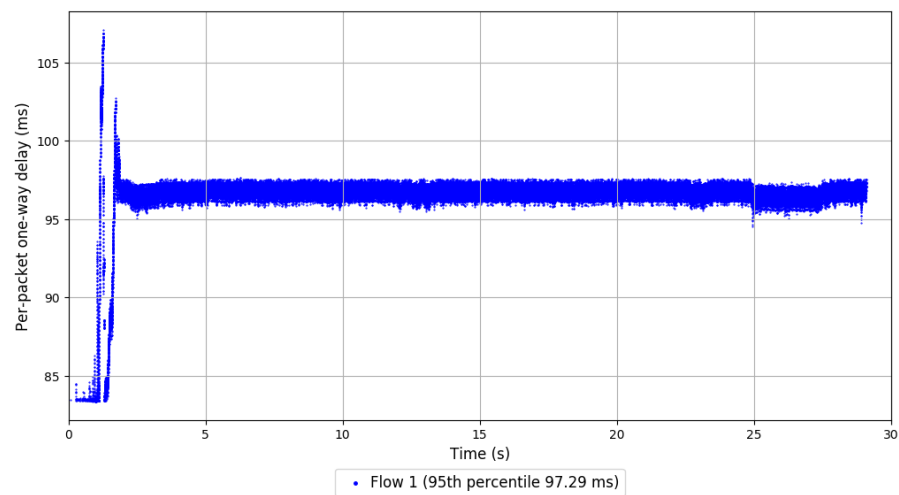
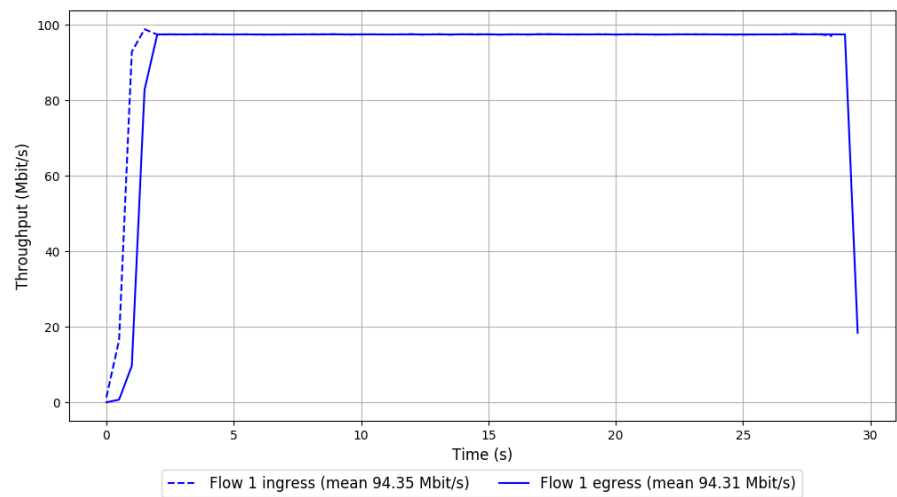
-- Flow 1:

Average throughput: 94.31 Mbit/s

95th percentile per-packet one-way delay: 97.287 ms

Loss rate: 0.00%

Run 4: Report of Indigo-MusesC5 — Data Link

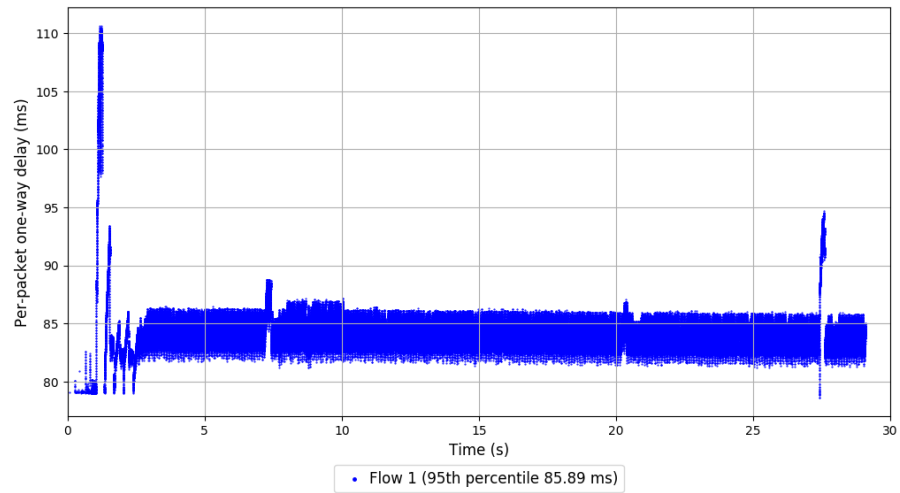
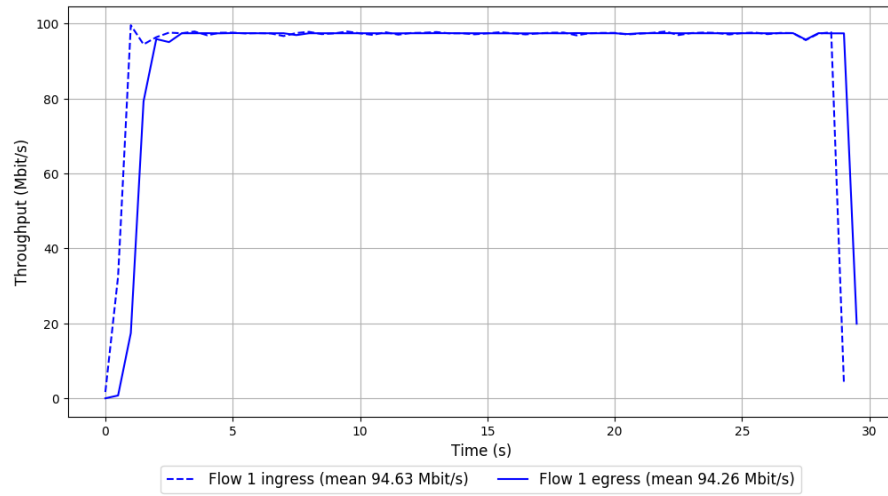


Run 5: Statistics of Indigo-MusesC5

Start at: 2019-03-18 21:21:17
End at: 2019-03-18 21:21:47
Local clock offset: -7.718 ms
Remote clock offset: -2.251 ms

Below is generated by plot.py at 2019-03-18 21:34:46
Datalink statistics
-- Total of 1 flow:
Average throughput: 94.26 Mbit/s
95th percentile per-packet one-way delay: 85.893 ms
Loss rate: 0.37%
-- Flow 1:
Average throughput: 94.26 Mbit/s
95th percentile per-packet one-way delay: 85.893 ms
Loss rate: 0.37%

Run 5: Report of Indigo-MusesC5 — Data Link

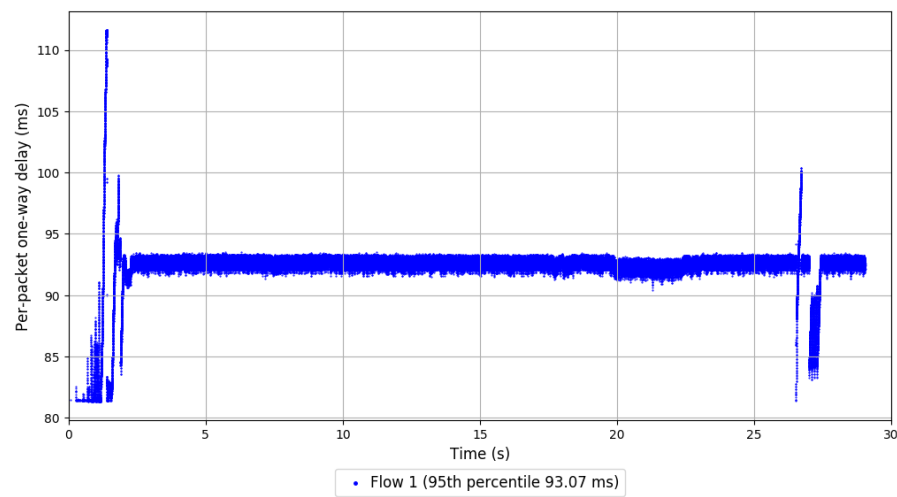
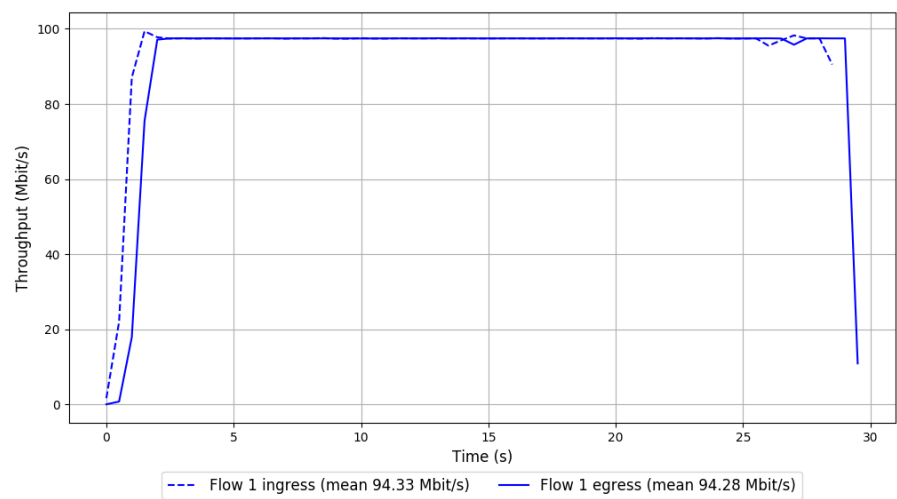


```
Run 1: Statistics of Indigo-MusesD

Start at: 2019-03-18 19:35:36
End at: 2019-03-18 19:36:06
Local clock offset: -8.655 ms
Remote clock offset: 1.319 ms

# Below is generated by plot.py at 2019-03-18 21:34:58
# Datalink statistics
-- Total of 1 flow:
Average throughput: 94.28 Mbit/s
95th percentile per-packet one-way delay: 93.074 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 94.28 Mbit/s
95th percentile per-packet one-way delay: 93.074 ms
Loss rate: 0.02%
```

Run 1: Report of Indigo-MusesD — Data Link



Run 2: Statistics of Indigo-MusesD

Start at: 2019-03-18 20:00:20

End at: 2019-03-18 20:00:50

Local clock offset: -7.285 ms

Remote clock offset: 3.411 ms

Below is generated by plot.py at 2019-03-18 21:34:59

Datalink statistics

-- Total of 1 flow:

Average throughput: 92.93 Mbit/s

95th percentile per-packet one-way delay: 92.230 ms

Loss rate: 0.00%

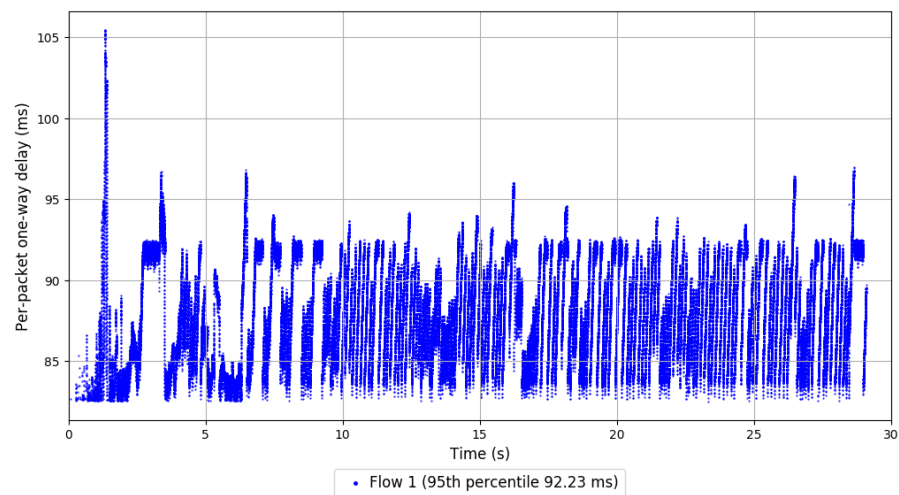
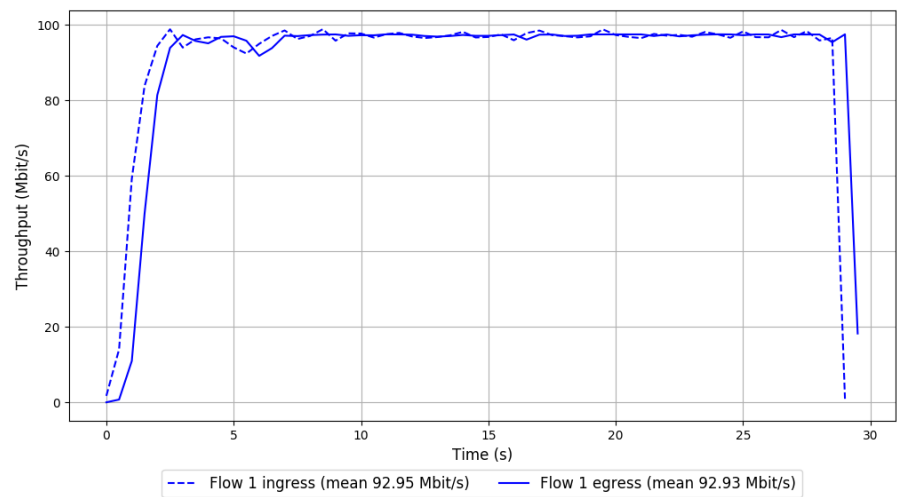
-- Flow 1:

Average throughput: 92.93 Mbit/s

95th percentile per-packet one-way delay: 92.230 ms

Loss rate: 0.00%

Run 2: Report of Indigo-MusesD — Data Link



Run 3: Statistics of Indigo-MusesD

Start at: 2019-03-18 20:25:37

End at: 2019-03-18 20:26:07

Local clock offset: -6.706 ms

Remote clock offset: 2.975 ms

Below is generated by plot.py at 2019-03-18 21:35:09

Datalink statistics

-- Total of 1 flow:

Average throughput: 93.63 Mbit/s

95th percentile per-packet one-way delay: 94.142 ms

Loss rate: 0.22%

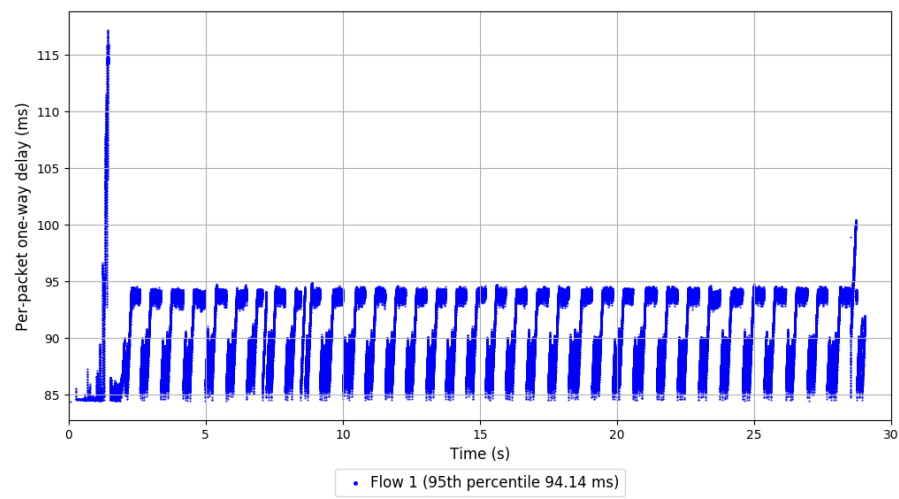
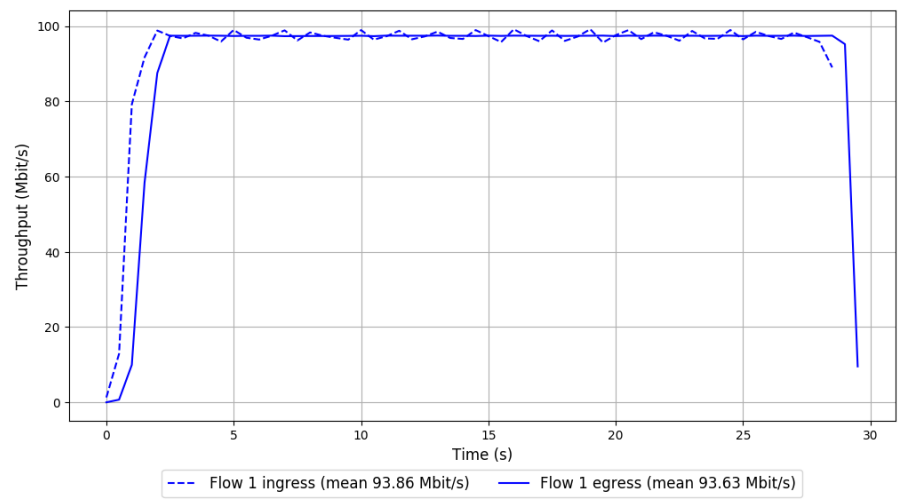
-- Flow 1:

Average throughput: 93.63 Mbit/s

95th percentile per-packet one-way delay: 94.142 ms

Loss rate: 0.22%

Run 3: Report of Indigo-MusesD — Data Link



Run 4: Statistics of Indigo-MusesD

Start at: 2019-03-18 20:50:42

End at: 2019-03-18 20:51:12

Local clock offset: -7.894 ms

Remote clock offset: 2.409 ms

Below is generated by plot.py at 2019-03-18 21:35:23

Datalink statistics

-- Total of 1 flow:

Average throughput: 93.88 Mbit/s

95th percentile per-packet one-way delay: 92.843 ms

Loss rate: 0.33%

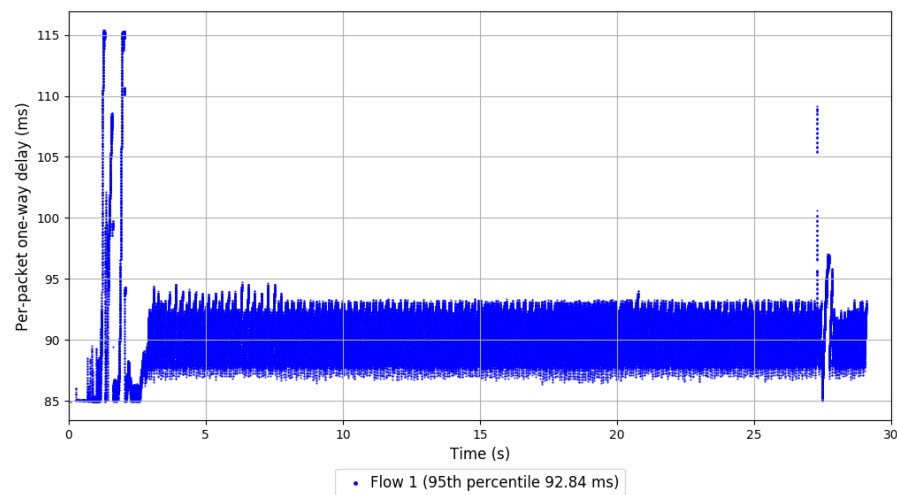
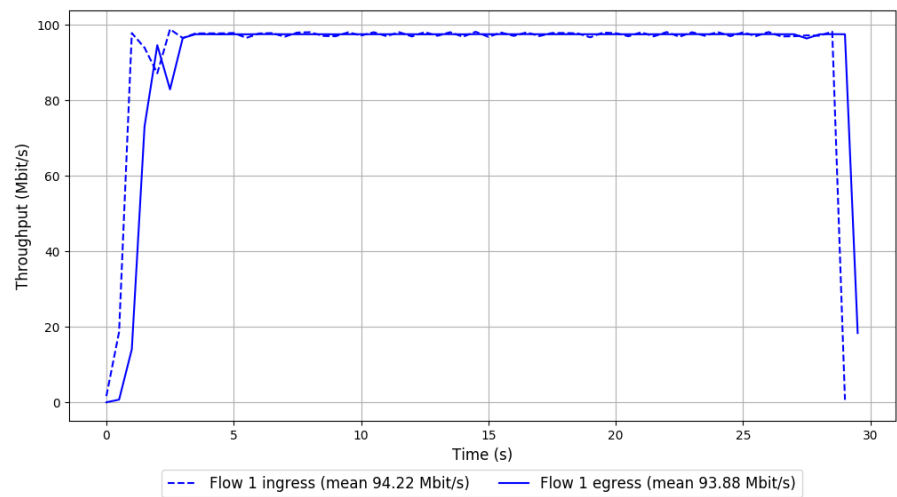
-- Flow 1:

Average throughput: 93.88 Mbit/s

95th percentile per-packet one-way delay: 92.843 ms

Loss rate: 0.33%

Run 4: Report of Indigo-MusesD — Data Link



Run 5: Statistics of Indigo-MusesD

Start at: 2019-03-18 21:15:22

End at: 2019-03-18 21:15:52

Local clock offset: -7.149 ms

Remote clock offset: 1.237 ms

Below is generated by plot.py at 2019-03-18 21:35:24

Datalink statistics

-- Total of 1 flow:

Average throughput: 94.02 Mbit/s

95th percentile per-packet one-way delay: 92.191 ms

Loss rate: 0.00%

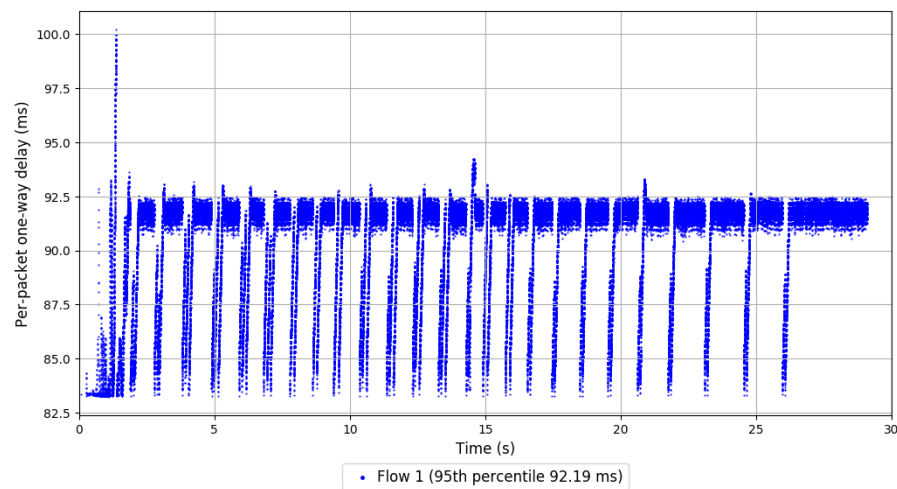
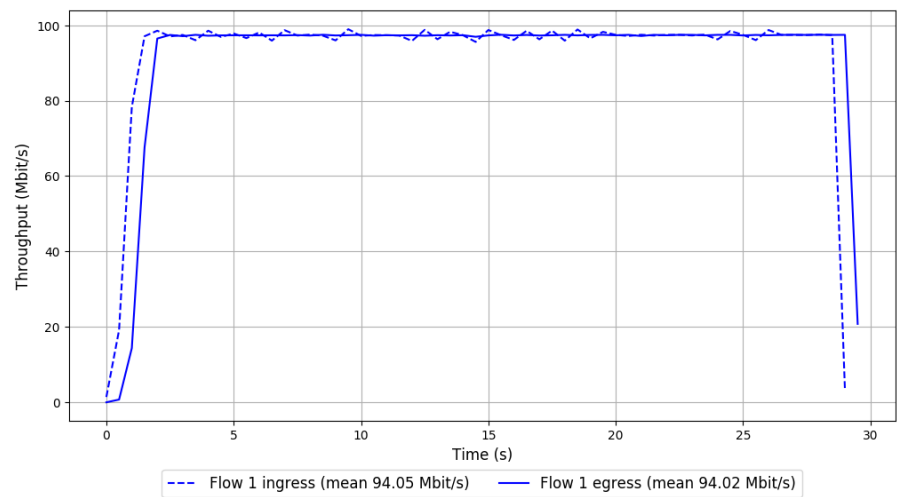
-- Flow 1:

Average throughput: 94.02 Mbit/s

95th percentile per-packet one-way delay: 92.191 ms

Loss rate: 0.00%

Run 5: Report of Indigo-MusesD — Data Link

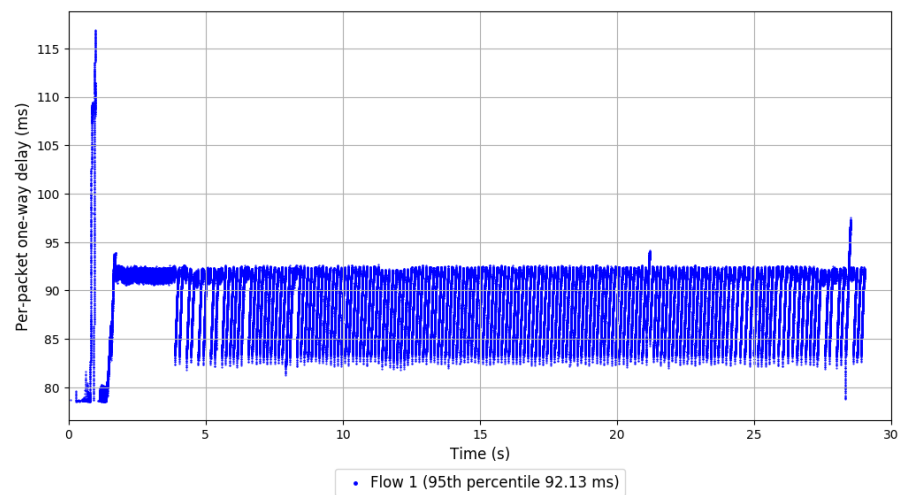
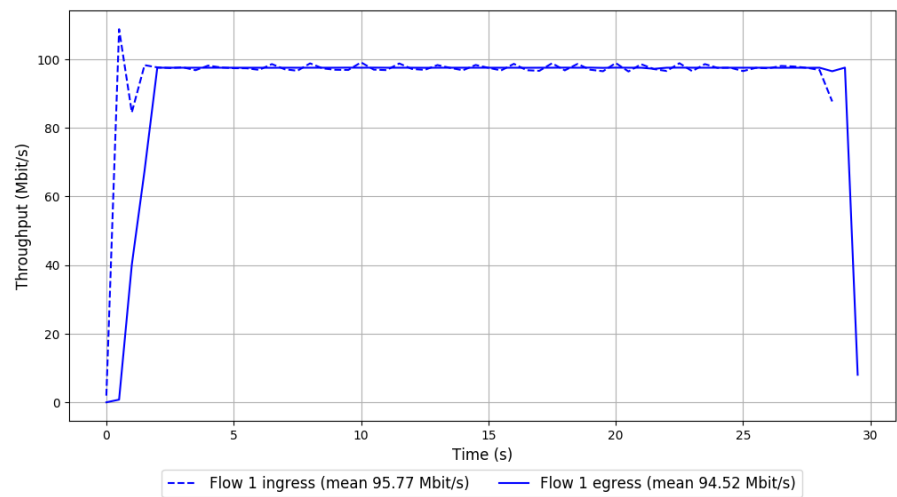


Run 1: Statistics of Indigo-MusesT

Start at: 2019-03-18 19:32:10
End at: 2019-03-18 19:32:40
Local clock offset: -8.368 ms
Remote clock offset: -0.102 ms

Below is generated by plot.py at 2019-03-18 21:35:41
Datalink statistics
-- Total of 1 flow:
Average throughput: 94.52 Mbit/s
95th percentile per-packet one-way delay: 92.128 ms
Loss rate: 1.26%
-- Flow 1:
Average throughput: 94.52 Mbit/s
95th percentile per-packet one-way delay: 92.128 ms
Loss rate: 1.26%

Run 1: Report of Indigo-MusesT — Data Link



Run 2: Statistics of Indigo-MusesT

Start at: 2019-03-18 19:56:53

End at: 2019-03-18 19:57:23

Local clock offset: -7.592 ms

Remote clock offset: 3.063 ms

Below is generated by plot.py at 2019-03-18 21:35:58

Datalink statistics

-- Total of 1 flow:

Average throughput: 94.37 Mbit/s

95th percentile per-packet one-way delay: 95.925 ms

Loss rate: 1.21%

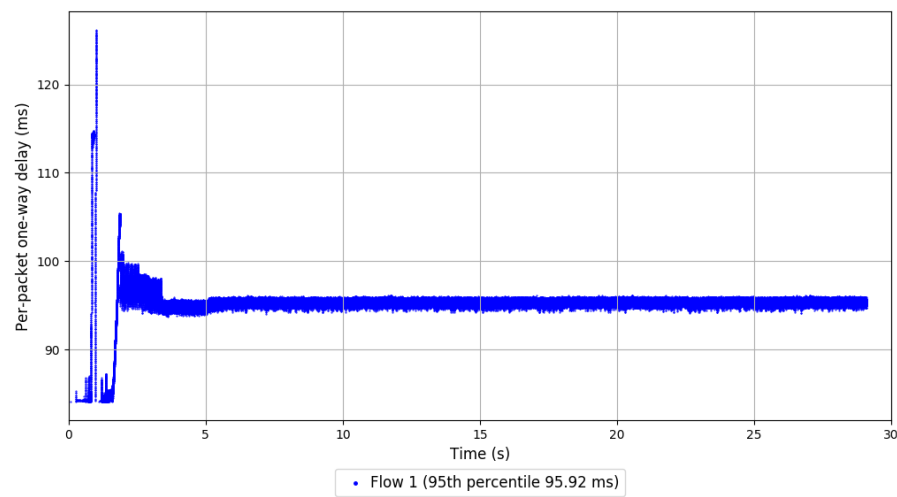
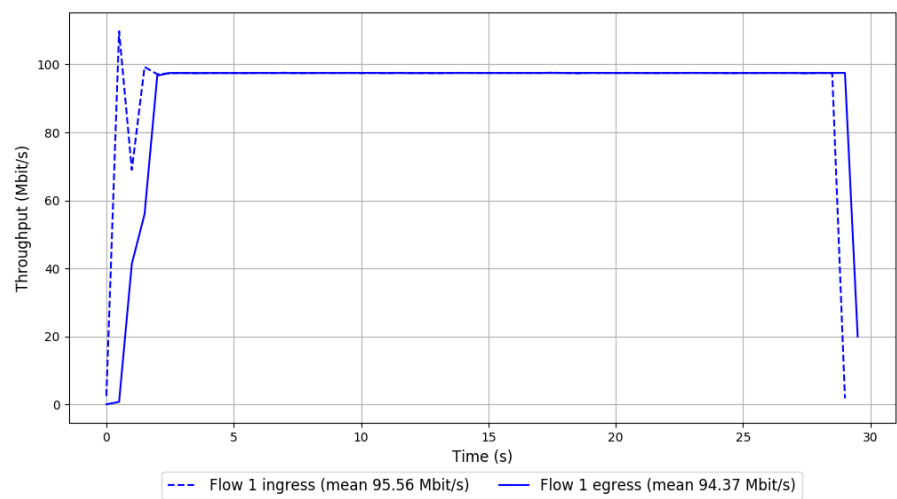
-- Flow 1:

Average throughput: 94.37 Mbit/s

95th percentile per-packet one-way delay: 95.925 ms

Loss rate: 1.21%

Run 2: Report of Indigo-MusesT — Data Link

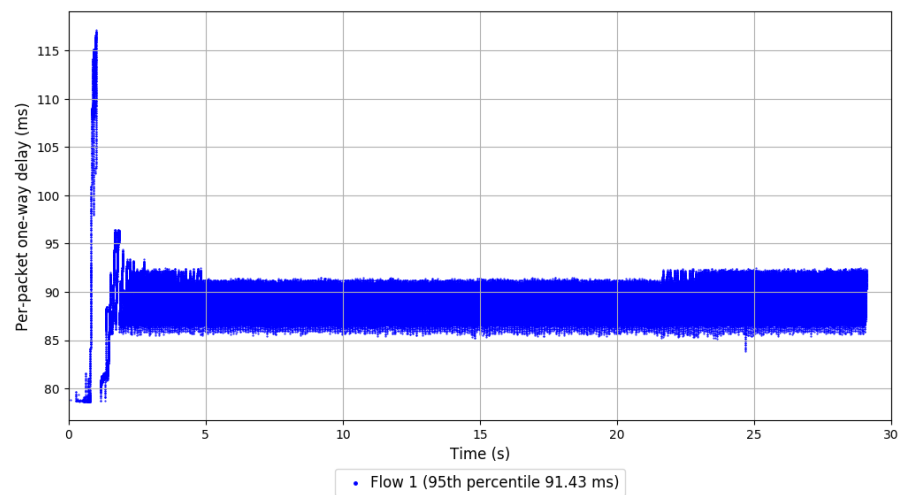
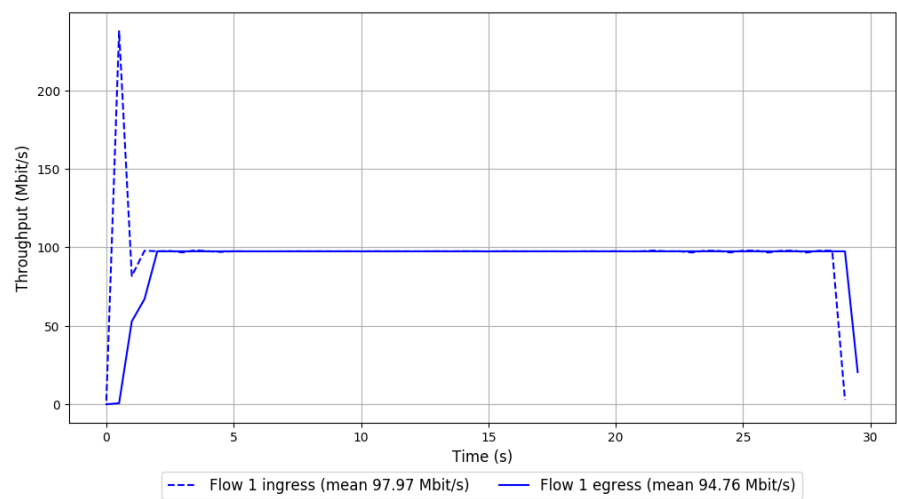


Run 3: Statistics of Indigo-MusesT

Start at: 2019-03-18 20:22:07
End at: 2019-03-18 20:22:37
Local clock offset: -6.596 ms
Remote clock offset: -0.683 ms

Below is generated by plot.py at 2019-03-18 21:35:59
Datalink statistics
-- Total of 1 flow:
Average throughput: 94.76 Mbit/s
95th percentile per-packet one-way delay: 91.429 ms
Loss rate: 3.24%
-- Flow 1:
Average throughput: 94.76 Mbit/s
95th percentile per-packet one-way delay: 91.429 ms
Loss rate: 3.24%

Run 3: Report of Indigo-MusesT — Data Link

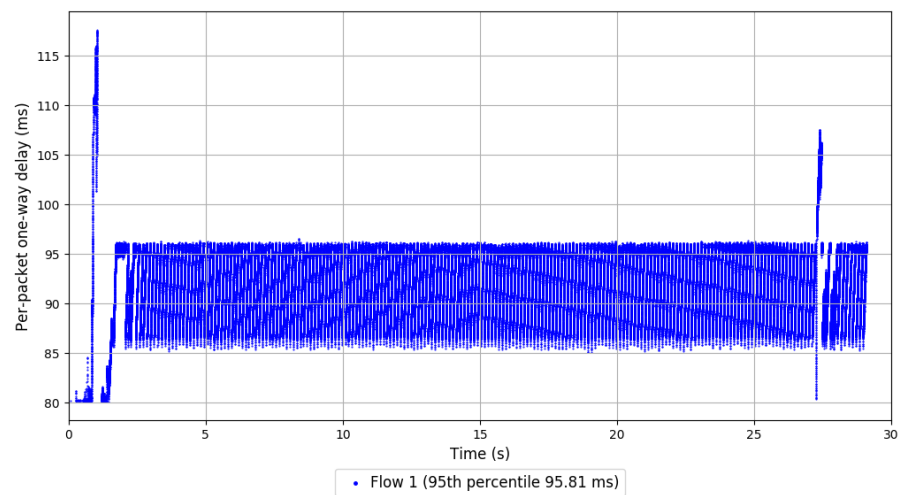
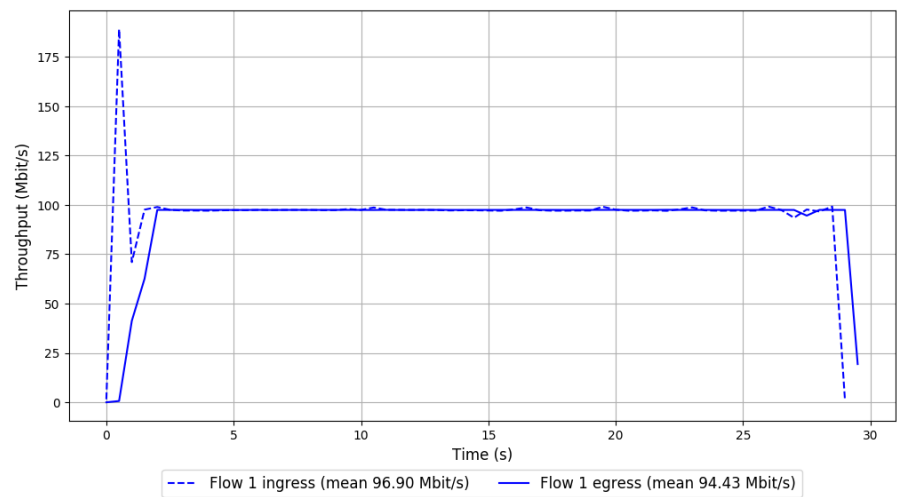


Run 4: Statistics of Indigo-MusesT

Start at: 2019-03-18 20:47:15
End at: 2019-03-18 20:47:45
Local clock offset: -7.984 ms
Remote clock offset: -2.376 ms

Below is generated by plot.py at 2019-03-18 21:36:10
Datalink statistics
-- Total of 1 flow:
Average throughput: 94.43 Mbit/s
95th percentile per-packet one-way delay: 95.813 ms
Loss rate: 2.50%
-- Flow 1:
Average throughput: 94.43 Mbit/s
95th percentile per-packet one-way delay: 95.813 ms
Loss rate: 2.50%

Run 4: Report of Indigo-MusesT — Data Link

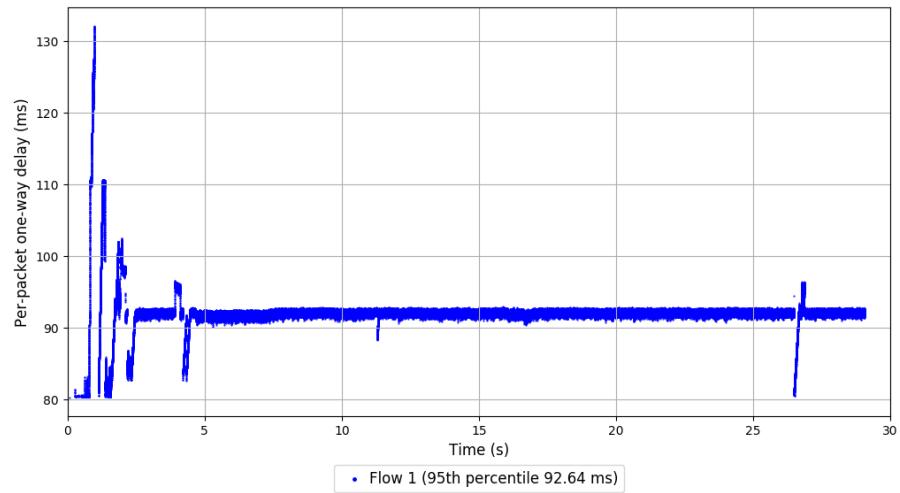
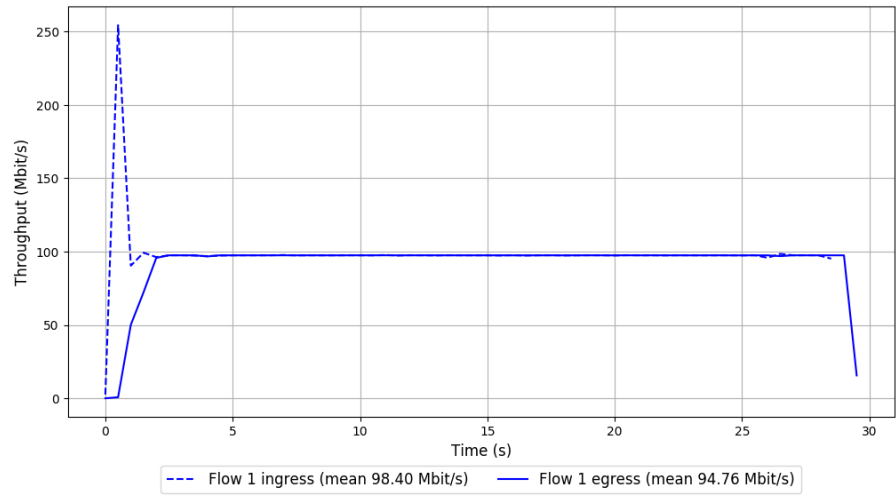


Run 5: Statistics of Indigo-MusesT

Start at: 2019-03-18 21:11:55
End at: 2019-03-18 21:12:25
Local clock offset: -7.032 ms
Remote clock offset: -1.542 ms

Below is generated by plot.py at 2019-03-18 21:36:12
Datalink statistics
-- Total of 1 flow:
Average throughput: 94.76 Mbit/s
95th percentile per-packet one-way delay: 92.645 ms
Loss rate: 3.66%
-- Flow 1:
Average throughput: 94.76 Mbit/s
95th percentile per-packet one-way delay: 92.645 ms
Loss rate: 3.66%

Run 5: Report of Indigo-MusesT — Data Link

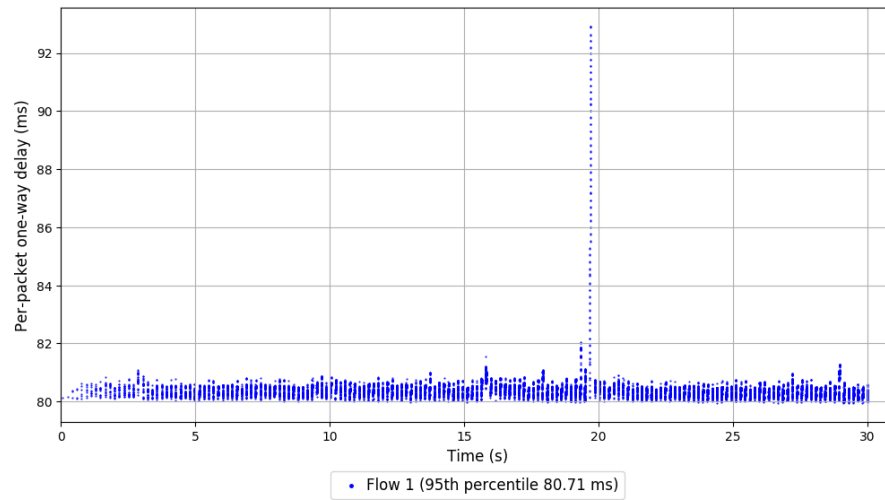
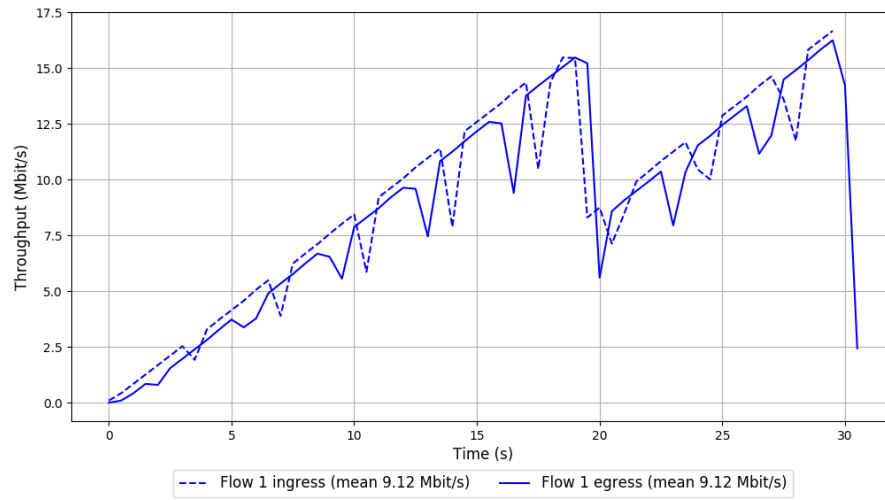


Run 1: Statistics of LEDBAT

Start at: 2019-03-18 19:26:19
End at: 2019-03-18 19:26:49
Local clock offset: -7.793 ms
Remote clock offset: -0.683 ms

Below is generated by plot.py at 2019-03-18 21:36:12
Datalink statistics
-- Total of 1 flow:
Average throughput: 9.12 Mbit/s
95th percentile per-packet one-way delay: 80.713 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 9.12 Mbit/s
95th percentile per-packet one-way delay: 80.713 ms
Loss rate: 0.02%

Run 1: Report of LEDBAT — Data Link



Run 2: Statistics of LEDBAT

Start at: 2019-03-18 19:51:00

End at: 2019-03-18 19:51:30

Local clock offset: -8.301 ms

Remote clock offset: 4.119 ms

Below is generated by plot.py at 2019-03-18 21:36:12

Datalink statistics

-- Total of 1 flow:

Average throughput: 11.75 Mbit/s

95th percentile per-packet one-way delay: 86.223 ms

Loss rate: 0.03%

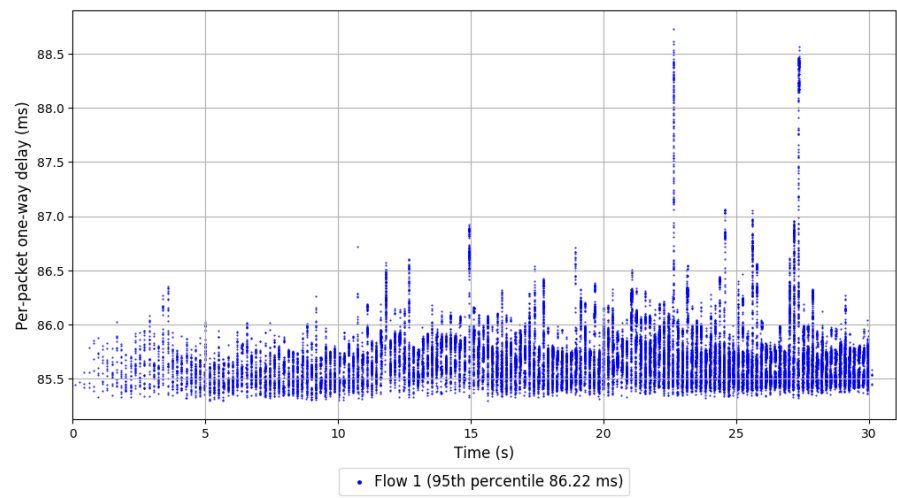
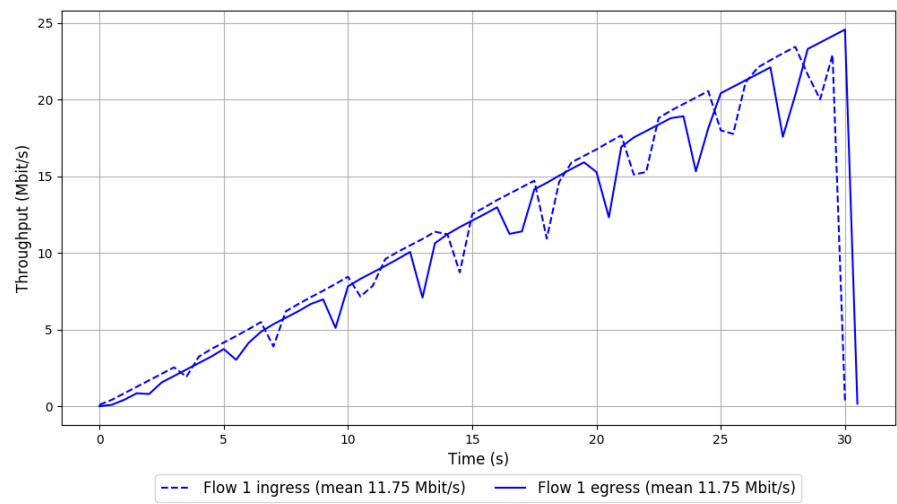
-- Flow 1:

Average throughput: 11.75 Mbit/s

95th percentile per-packet one-way delay: 86.223 ms

Loss rate: 0.03%

Run 2: Report of LEDBAT — Data Link

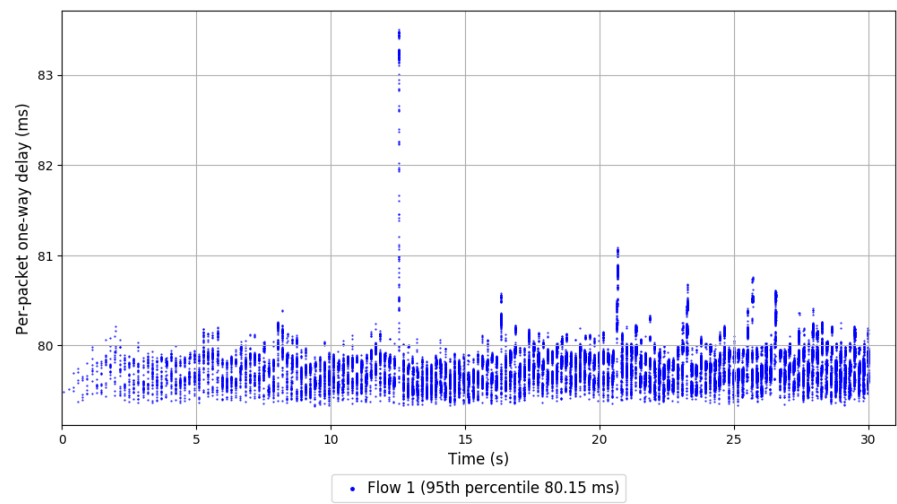
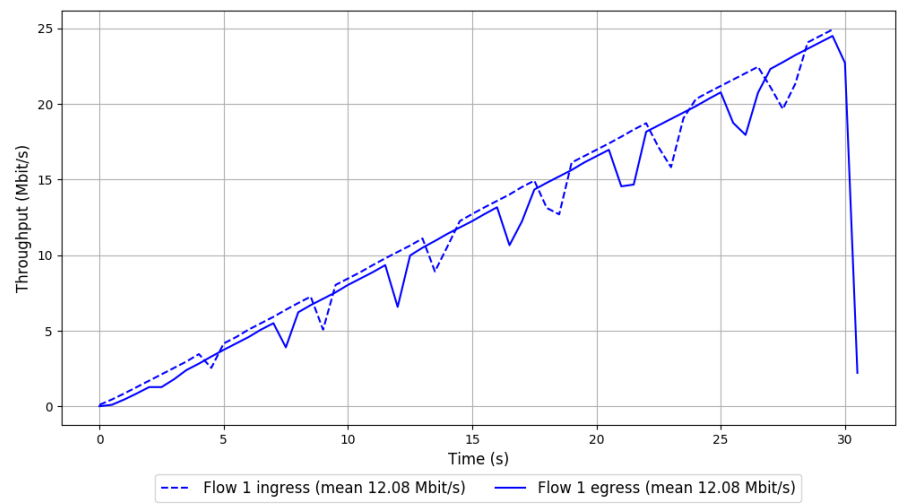


Run 3: Statistics of LEDBAT

Start at: 2019-03-18 20:16:11
End at: 2019-03-18 20:16:41
Local clock offset: -7.153 ms
Remote clock offset: -0.343 ms

Below is generated by plot.py at 2019-03-18 21:36:12
Datalink statistics
-- Total of 1 flow:
Average throughput: 12.08 Mbit/s
95th percentile per-packet one-way delay: 80.153 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 12.08 Mbit/s
95th percentile per-packet one-way delay: 80.153 ms
Loss rate: 0.00%

Run 3: Report of LEDBAT — Data Link



Run 4: Statistics of LEDBAT

Start at: 2019-03-18 20:41:21

End at: 2019-03-18 20:41:51

Local clock offset: -7.138 ms

Remote clock offset: 2.461 ms

Below is generated by plot.py at 2019-03-18 21:36:12

Datalink statistics

-- Total of 1 flow:

Average throughput: 11.86 Mbit/s

95th percentile per-packet one-way delay: 85.133 ms

Loss rate: 0.05%

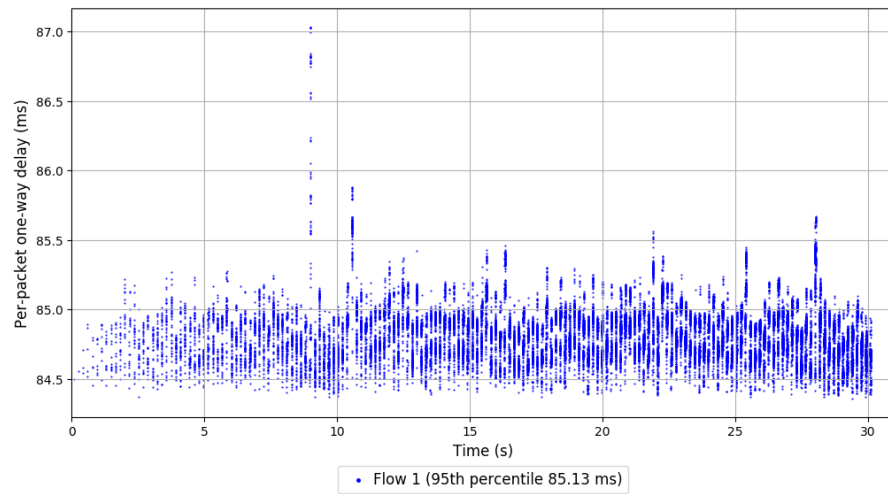
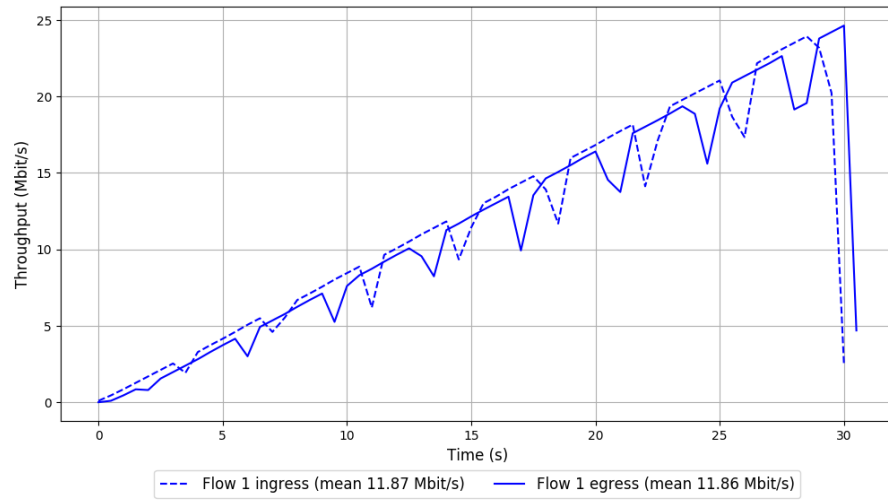
-- Flow 1:

Average throughput: 11.86 Mbit/s

95th percentile per-packet one-way delay: 85.133 ms

Loss rate: 0.05%

Run 4: Report of LEDBAT — Data Link

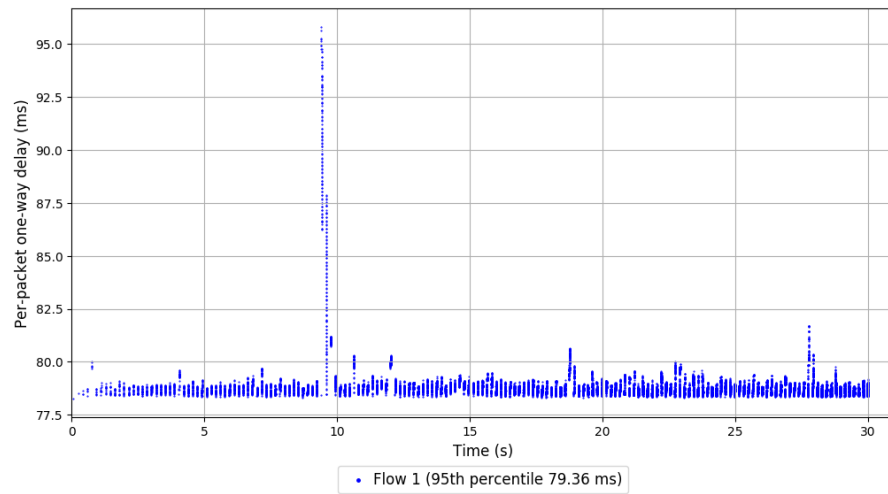
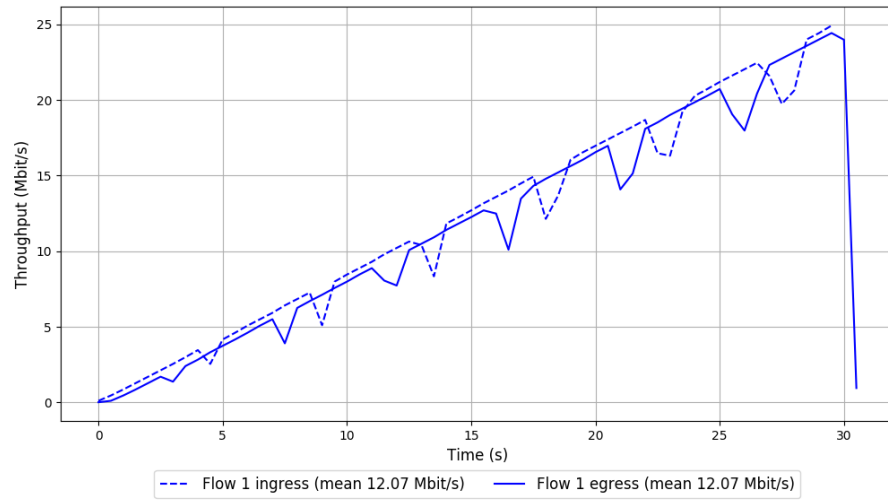


Run 5: Statistics of LEDBAT

Start at: 2019-03-18 21:06:05
End at: 2019-03-18 21:06:35
Local clock offset: -6.944 ms
Remote clock offset: -1.667 ms

Below is generated by plot.py at 2019-03-18 21:36:12
Datalink statistics
-- Total of 1 flow:
Average throughput: 12.07 Mbit/s
95th percentile per-packet one-way delay: 79.357 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 12.07 Mbit/s
95th percentile per-packet one-way delay: 79.357 ms
Loss rate: 0.00%

Run 5: Report of LEDBAT — Data Link

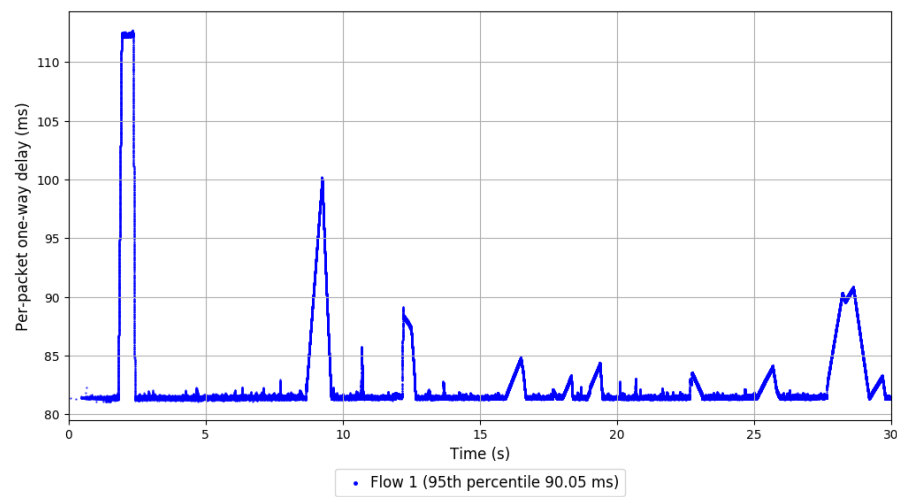
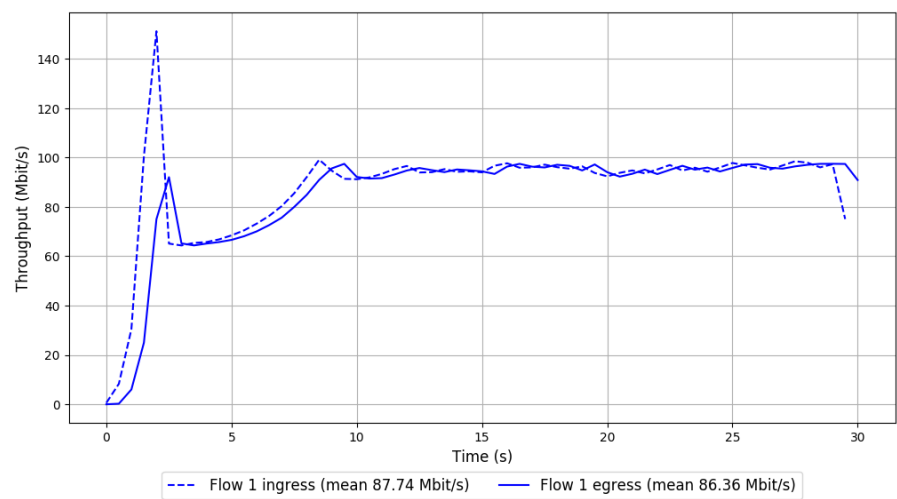


```
Run 1: Statistics of PCC-Allegro

Start at: 2019-03-18 19:42:43
End at: 2019-03-18 19:43:13
Local clock offset: -9.239 ms
Remote clock offset: 0.663 ms

# Below is generated by plot.py at 2019-03-18 21:36:40
# Datalink statistics
-- Total of 1 flow:
Average throughput: 86.36 Mbit/s
95th percentile per-packet one-way delay: 90.046 ms
Loss rate: 1.58%
-- Flow 1:
Average throughput: 86.36 Mbit/s
95th percentile per-packet one-way delay: 90.046 ms
Loss rate: 1.58%
```

Run 1: Report of PCC-Allegro — Data Link



Run 2: Statistics of PCC-Allegro

Start at: 2019-03-18 20:07:29

End at: 2019-03-18 20:07:59

Local clock offset: -7.119 ms

Remote clock offset: 4.546 ms

Below is generated by plot.py at 2019-03-18 21:36:41

Datalink statistics

-- Total of 1 flow:

Average throughput: 86.99 Mbit/s

95th percentile per-packet one-way delay: 95.875 ms

Loss rate: 1.46%

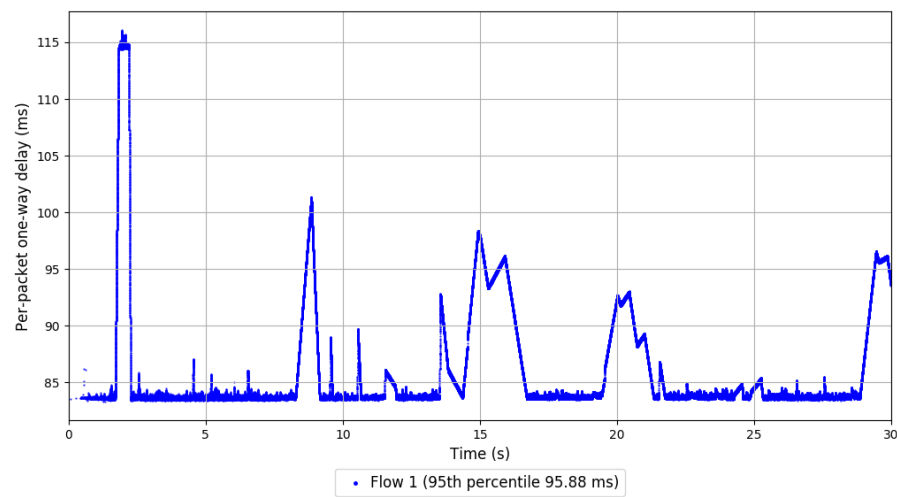
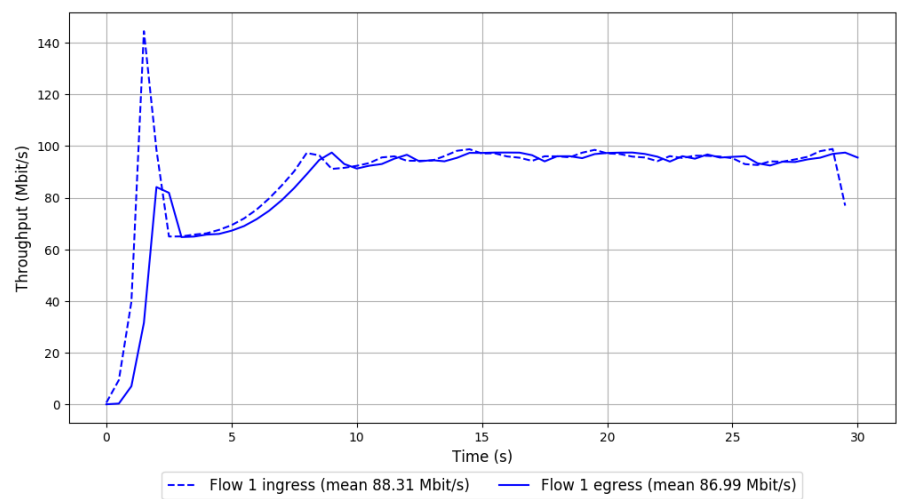
-- Flow 1:

Average throughput: 86.99 Mbit/s

95th percentile per-packet one-way delay: 95.875 ms

Loss rate: 1.46%

Run 2: Report of PCC-Allegro — Data Link

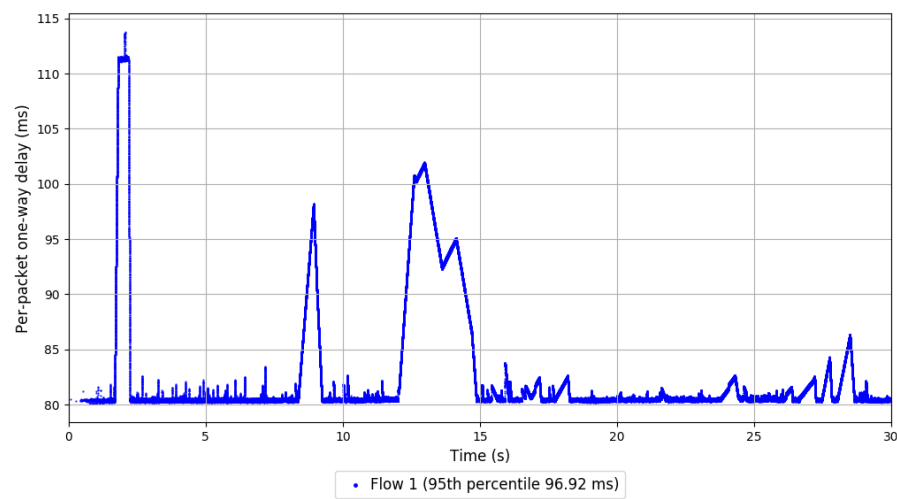
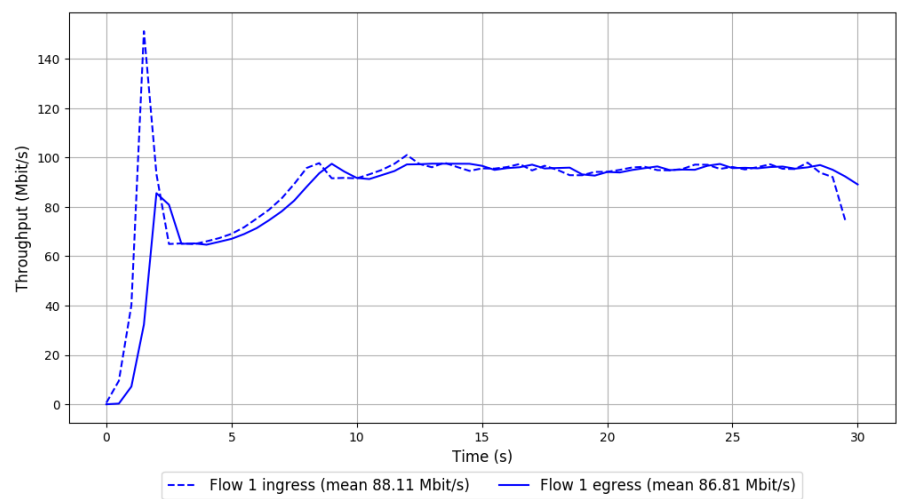


Run 3: Statistics of PCC-Allegro

Start at: 2019-03-18 20:33:01
End at: 2019-03-18 20:33:31
Local clock offset: -7.683 ms
Remote clock offset: -2.252 ms

Below is generated by plot.py at 2019-03-18 21:36:42
Datalink statistics
-- Total of 1 flow:
Average throughput: 86.81 Mbit/s
95th percentile per-packet one-way delay: 96.917 ms
Loss rate: 1.49%
-- Flow 1:
Average throughput: 86.81 Mbit/s
95th percentile per-packet one-way delay: 96.917 ms
Loss rate: 1.49%

Run 3: Report of PCC-Allegro — Data Link



Run 4: Statistics of PCC-Allegro

Start at: 2019-03-18 20:57:48

End at: 2019-03-18 20:58:18

Local clock offset: -6.934 ms

Remote clock offset: -1.596 ms

Below is generated by plot.py at 2019-03-18 21:36:50

Datalink statistics

-- Total of 1 flow:

Average throughput: 86.52 Mbit/s

95th percentile per-packet one-way delay: 93.249 ms

Loss rate: 1.53%

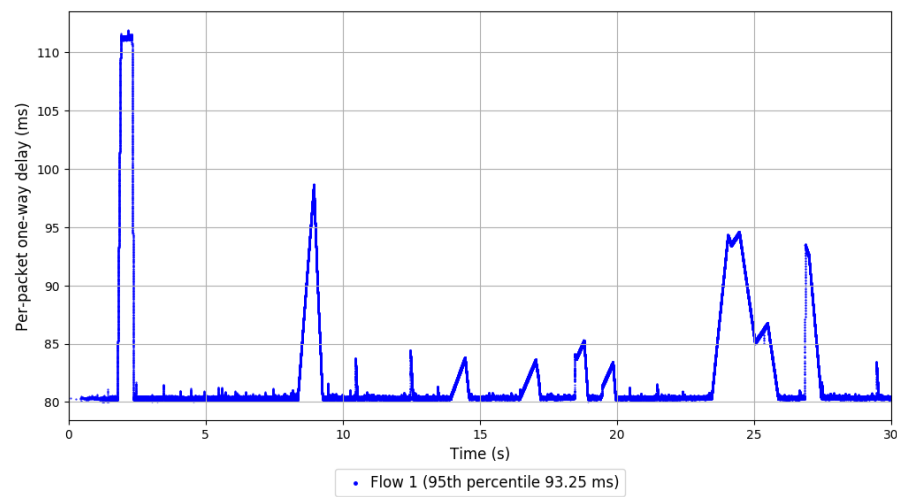
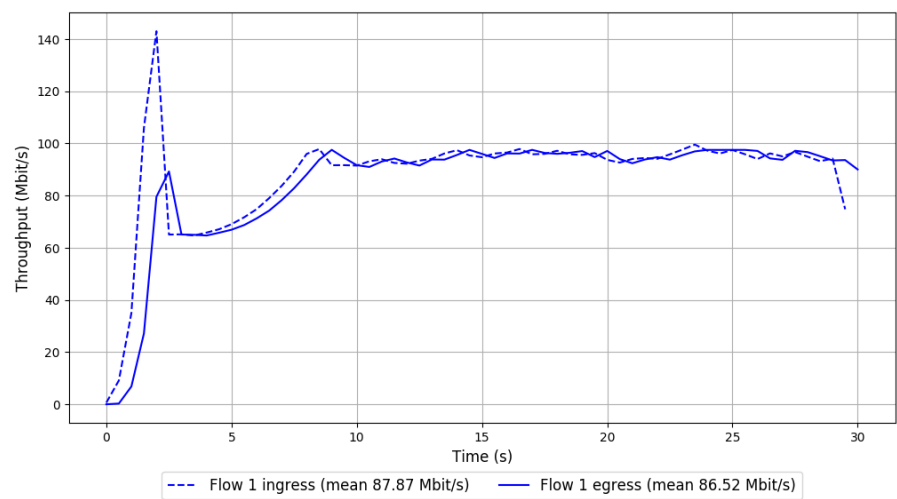
-- Flow 1:

Average throughput: 86.52 Mbit/s

95th percentile per-packet one-way delay: 93.249 ms

Loss rate: 1.53%

Run 4: Report of PCC-Allegro — Data Link

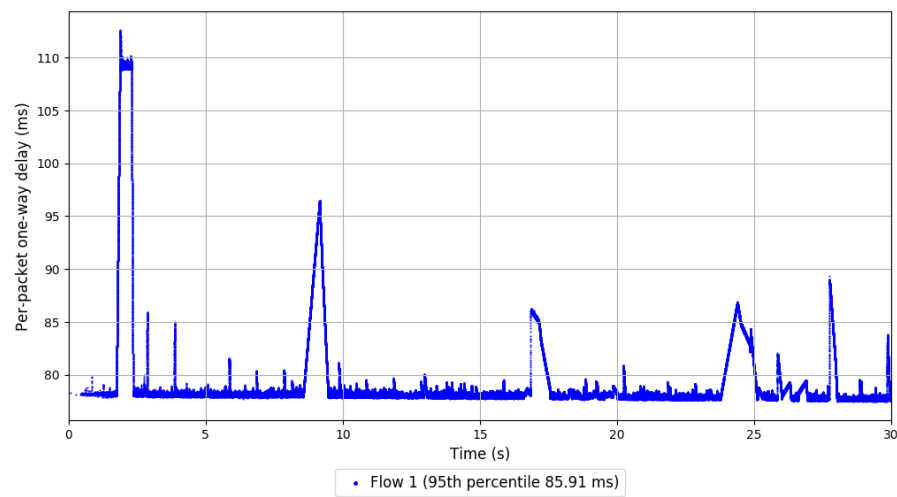
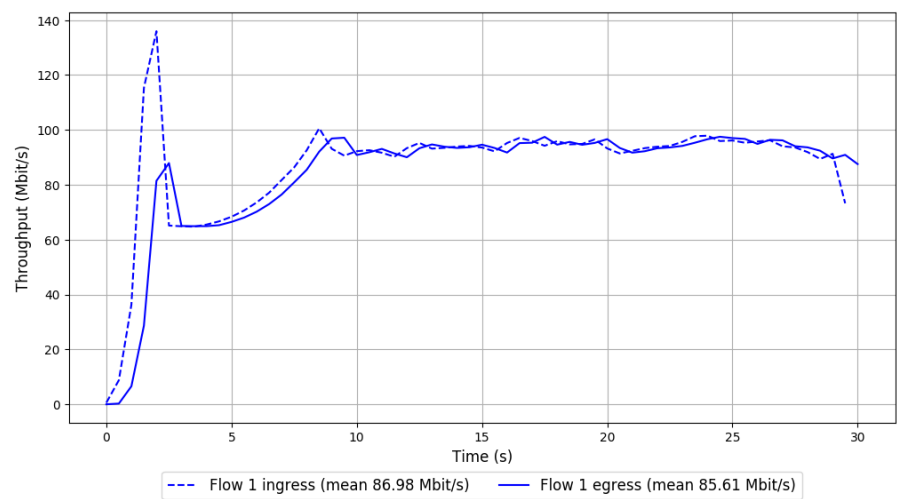


Run 5: Statistics of PCC-Allegro

Start at: 2019-03-18 21:22:30
End at: 2019-03-18 21:23:00
Local clock offset: -7.684 ms
Remote clock offset: -0.909 ms

Below is generated by plot.py at 2019-03-18 21:37:11
Datalink statistics
-- Total of 1 flow:
Average throughput: 85.61 Mbit/s
95th percentile per-packet one-way delay: 85.905 ms
Loss rate: 1.58%
-- Flow 1:
Average throughput: 85.61 Mbit/s
95th percentile per-packet one-way delay: 85.905 ms
Loss rate: 1.58%

Run 5: Report of PCC-Allegro — Data Link



Run 1: Statistics of PCC-Expr

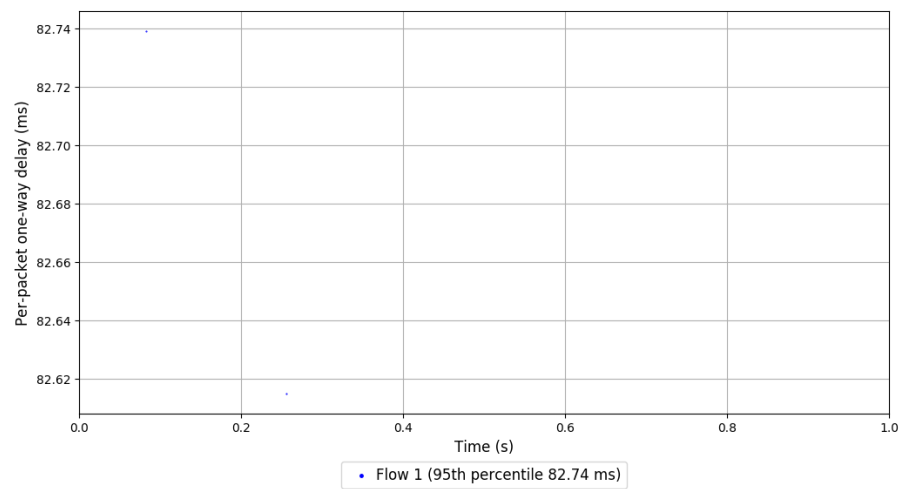
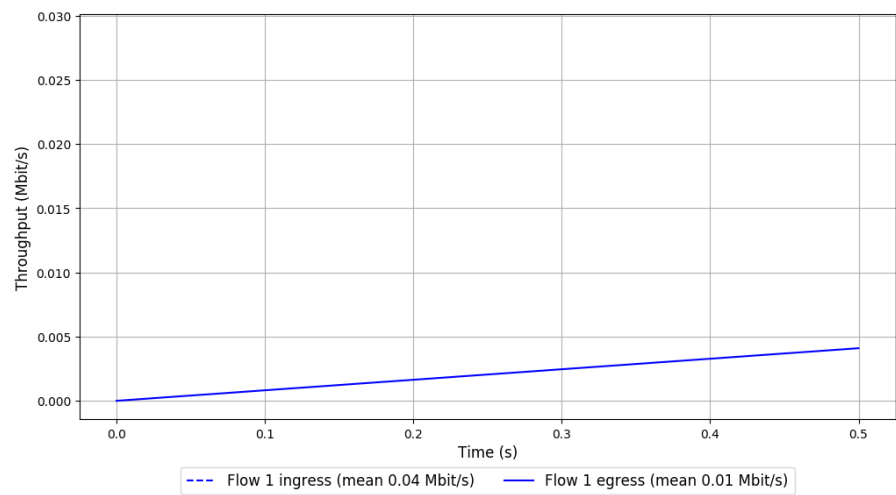
Start at: 2019-03-18 19:40:24

End at: 2019-03-18 19:40:54

Local clock offset: -8.296 ms

Remote clock offset: 4.477 ms

Run 1: Report of PCC-Expr — Data Link



Run 2: Statistics of PCC-Expr

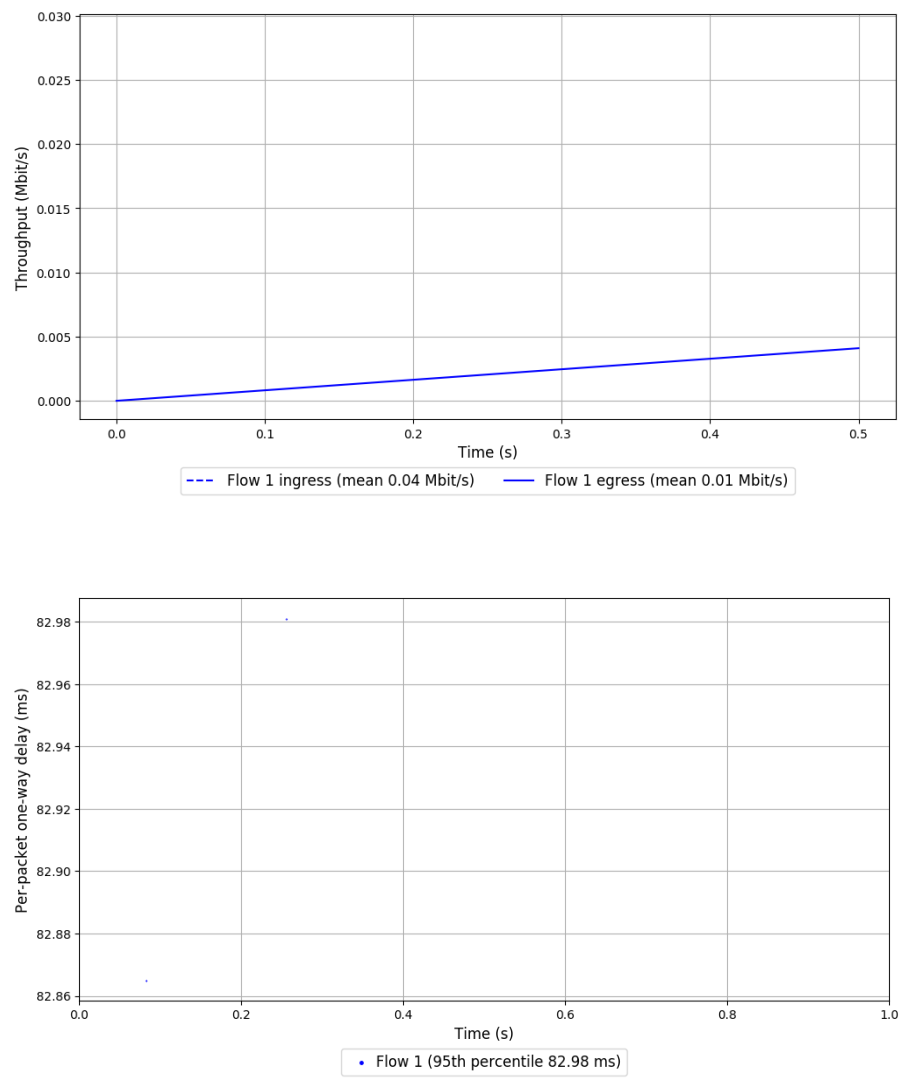
Start at: 2019-03-18 20:05:10

End at: 2019-03-18 20:05:40

Local clock offset: -6.381 ms

Remote clock offset: 4.631 ms

Run 2: Report of PCC-Expr — Data Link



Run 3: Statistics of PCC-Expr

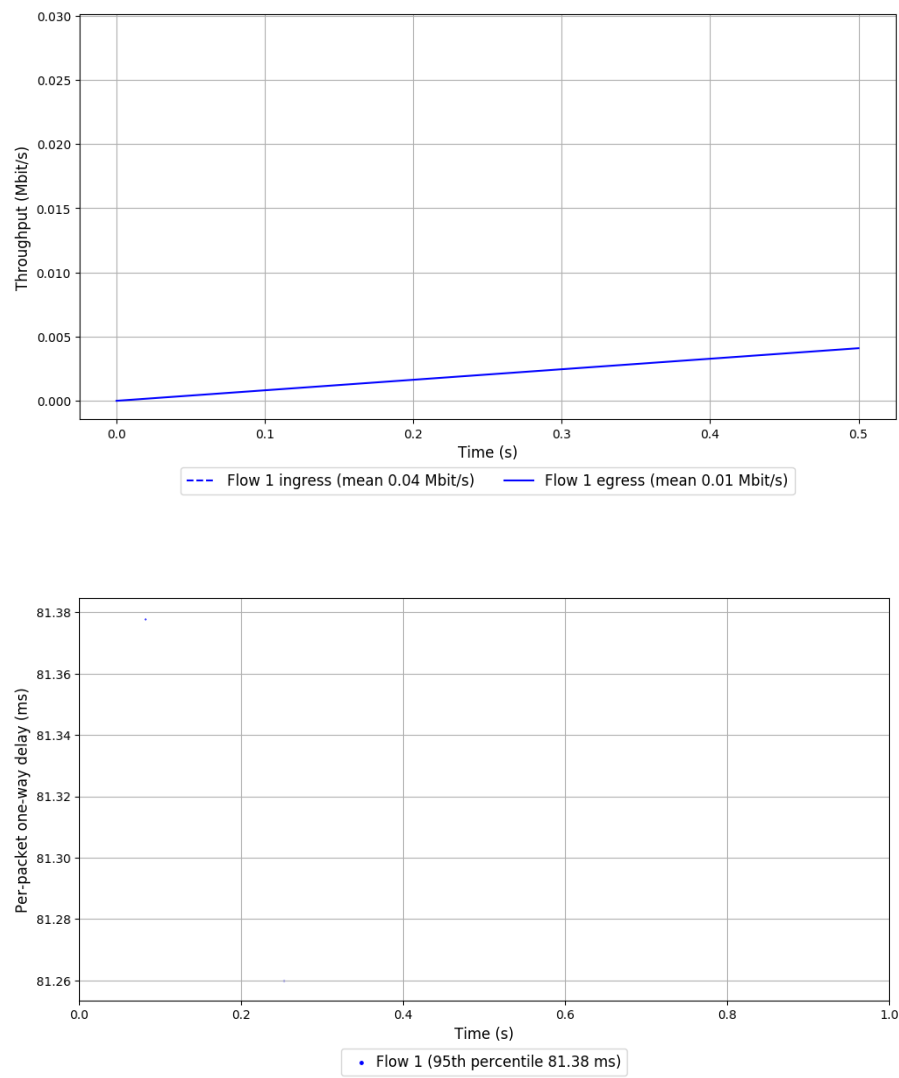
Start at: 2019-03-18 20:30:38

End at: 2019-03-18 20:31:08

Local clock offset: -6.905 ms

Remote clock offset: 1.608 ms

Run 3: Report of PCC-Expr — Data Link



Run 4: Statistics of PCC-Expr

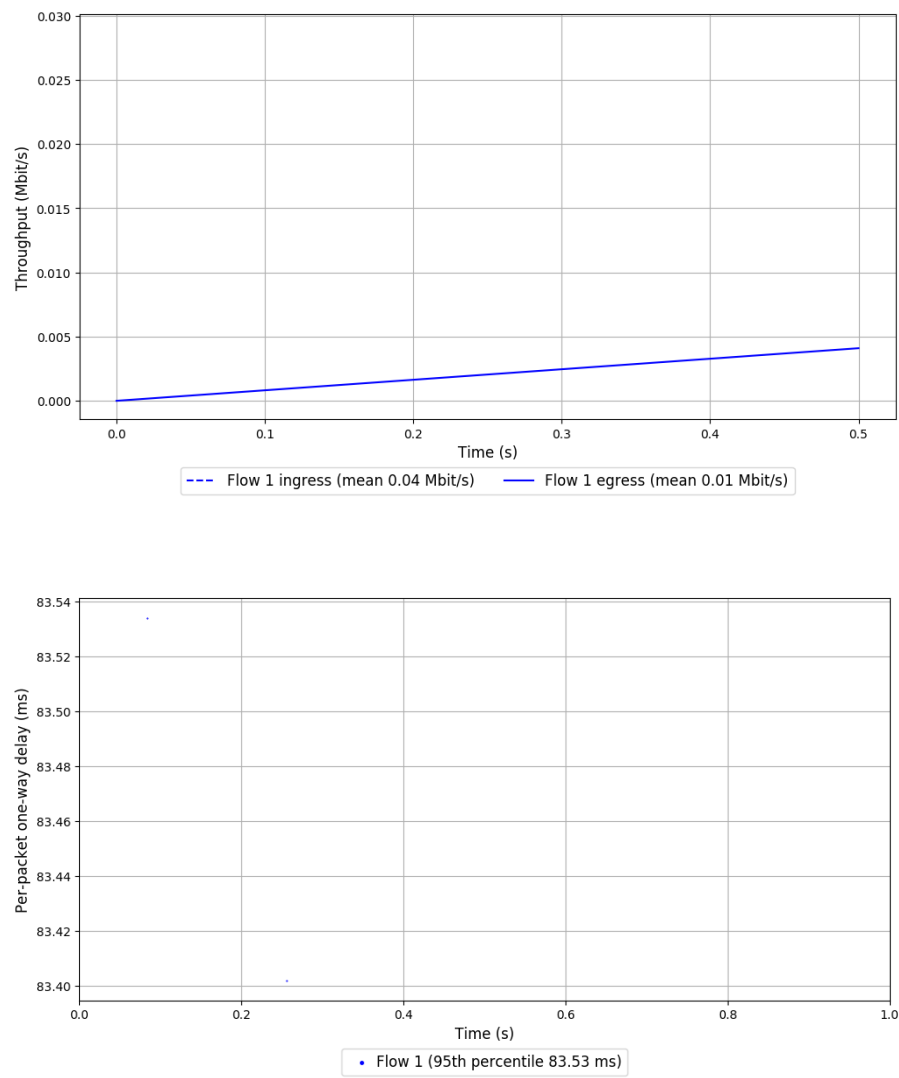
Start at: 2019-03-18 20:55:29

End at: 2019-03-18 20:55:59

Local clock offset: -6.958 ms

Remote clock offset: 3.39 ms

Run 4: Report of PCC-Expr — Data Link



Run 5: Statistics of PCC-Expr

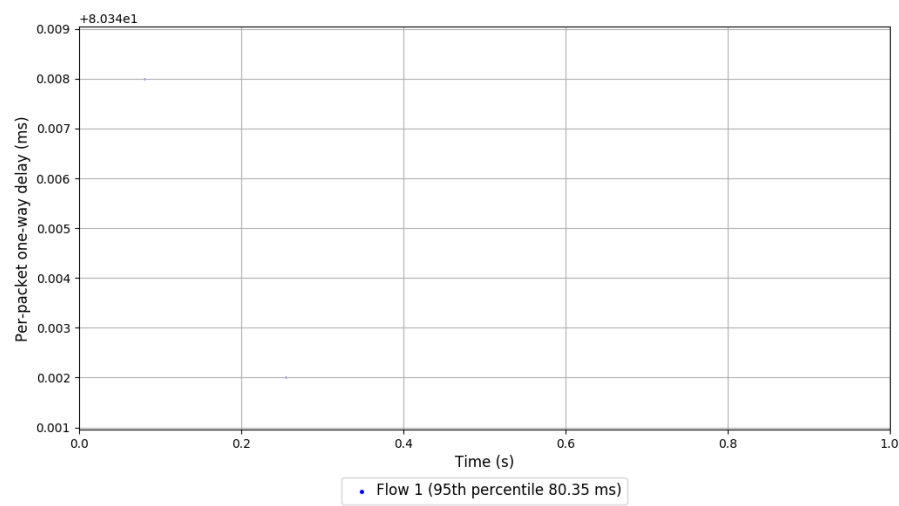
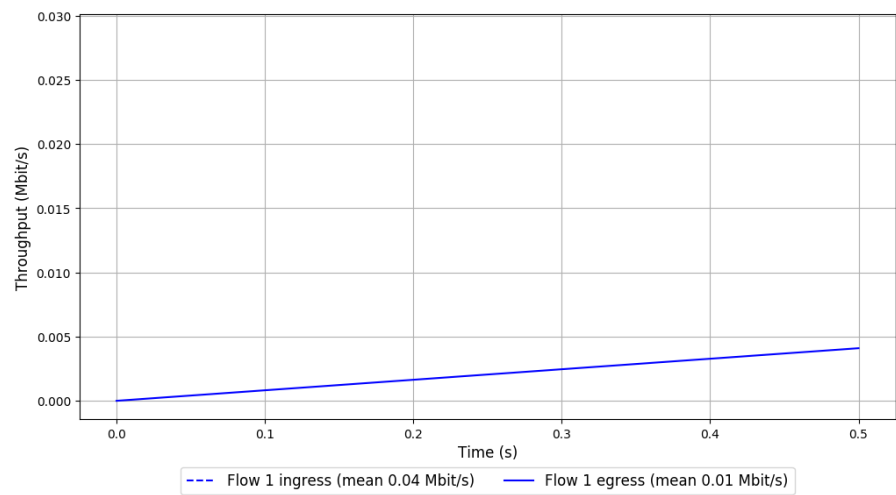
Start at: 2019-03-18 21:20:10

End at: 2019-03-18 21:20:40

Local clock offset: -7.694 ms

Remote clock offset: -2.707 ms

Run 5: Report of PCC-Expr — Data Link



Run 1: Statistics of QUIC Cubic

Start at: 2019-03-18 19:36:48

End at: 2019-03-18 19:37:18

Local clock offset: -7.967 ms

Remote clock offset: 4.96 ms

Below is generated by plot.py at 2019-03-18 21:37:11

Datalink statistics

-- Total of 1 flow:

Average throughput: 56.20 Mbit/s

95th percentile per-packet one-way delay: 101.662 ms

Loss rate: 0.44%

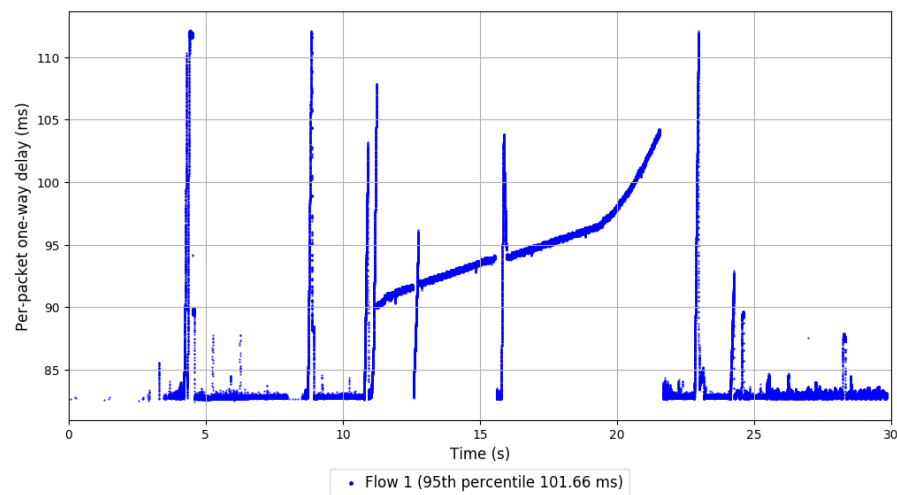
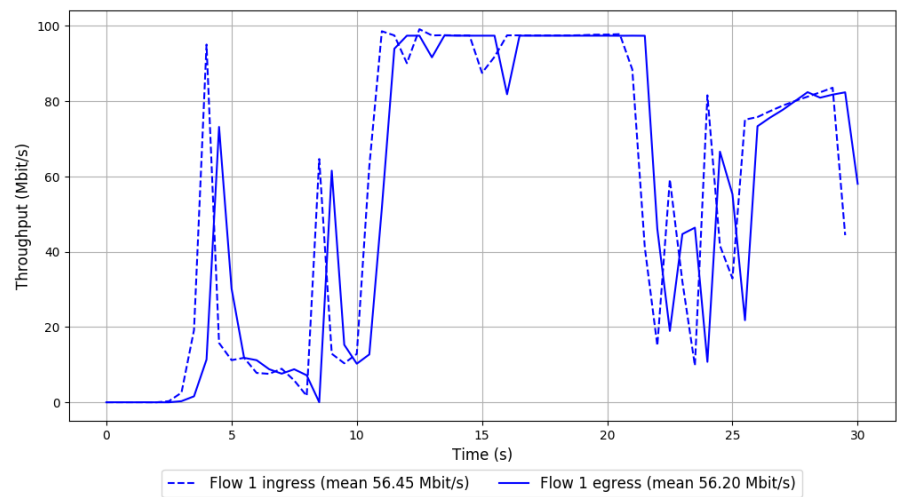
-- Flow 1:

Average throughput: 56.20 Mbit/s

95th percentile per-packet one-way delay: 101.662 ms

Loss rate: 0.44%

Run 1: Report of QUIC Cubic — Data Link



Run 2: Statistics of QUIC Cubic

Start at: 2019-03-18 20:01:33

End at: 2019-03-18 20:02:03

Local clock offset: -7.318 ms

Remote clock offset: 5.573 ms

Below is generated by plot.py at 2019-03-18 21:37:13

Datalink statistics

-- Total of 1 flow:

Average throughput: 68.40 Mbit/s

95th percentile per-packet one-way delay: 103.142 ms

Loss rate: 0.37%

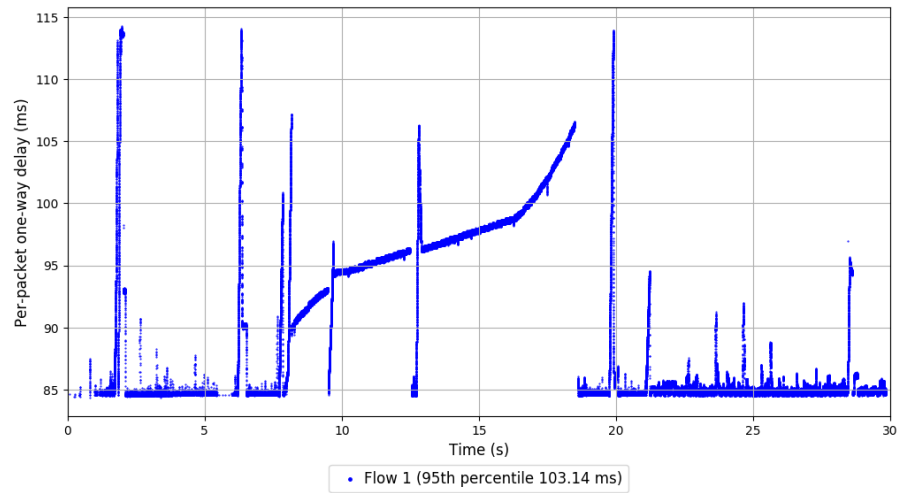
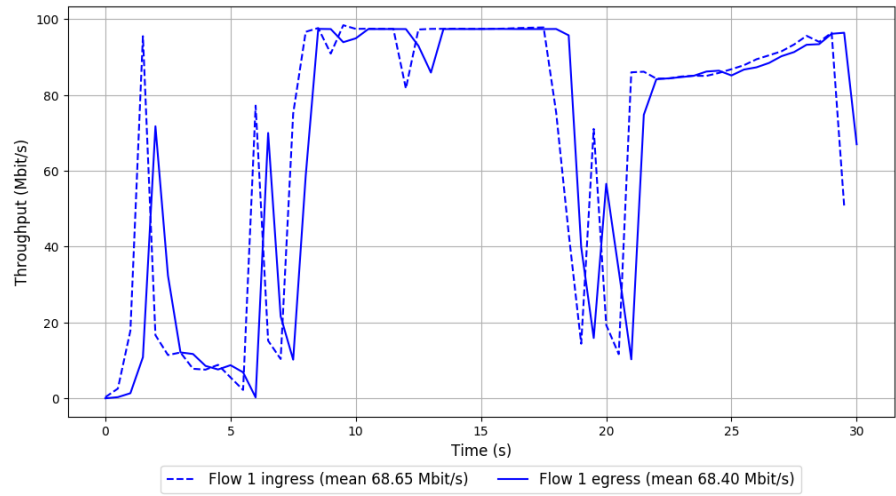
-- Flow 1:

Average throughput: 68.40 Mbit/s

95th percentile per-packet one-way delay: 103.142 ms

Loss rate: 0.37%

Run 2: Report of QUIC Cubic — Data Link



Run 3: Statistics of QUIC Cubic

Start at: 2019-03-18 20:26:54

End at: 2019-03-18 20:27:24

Local clock offset: -6.736 ms

Remote clock offset: -2.227 ms

Below is generated by plot.py at 2019-03-18 21:37:19

Datalink statistics

-- Total of 1 flow:

Average throughput: 73.63 Mbit/s

95th percentile per-packet one-way delay: 98.010 ms

Loss rate: 0.34%

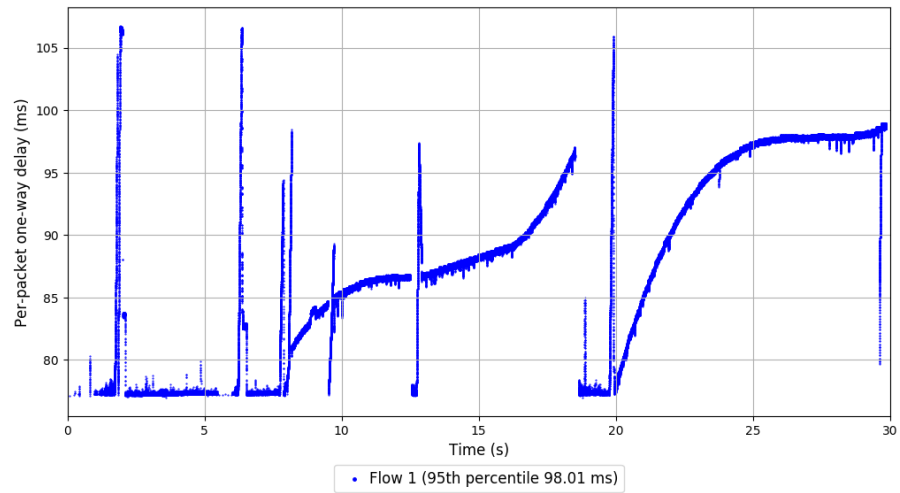
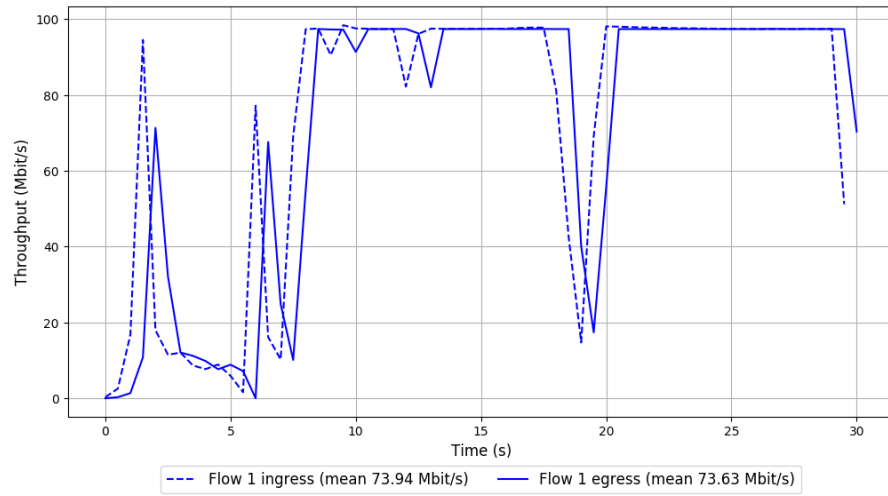
-- Flow 1:

Average throughput: 73.63 Mbit/s

95th percentile per-packet one-way delay: 98.010 ms

Loss rate: 0.34%

Run 3: Report of QUIC Cubic — Data Link



Run 4: Statistics of QUIC Cubic

Start at: 2019-03-18 20:51:54

End at: 2019-03-18 20:52:24

Local clock offset: -7.026 ms

Remote clock offset: 2.44 ms

Below is generated by plot.py at 2019-03-18 21:37:42

Datalink statistics

-- Total of 1 flow:

Average throughput: 69.46 Mbit/s

95th percentile per-packet one-way delay: 102.952 ms

Loss rate: 0.37%

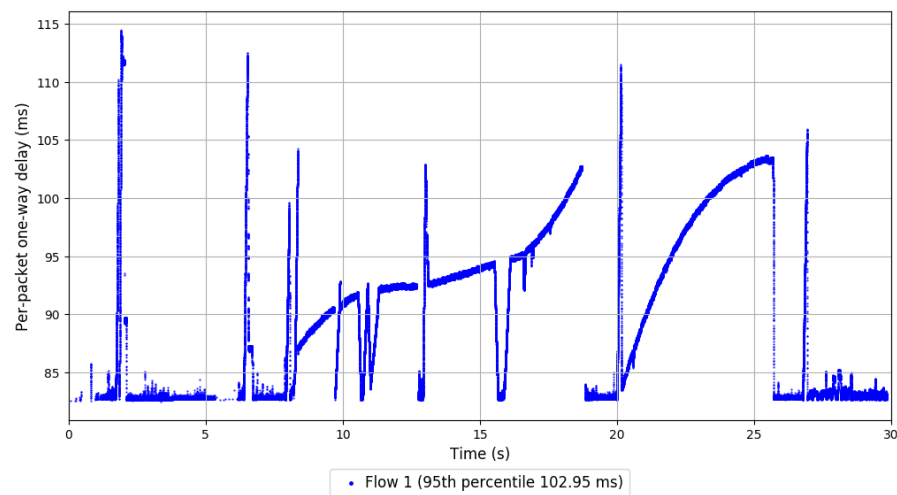
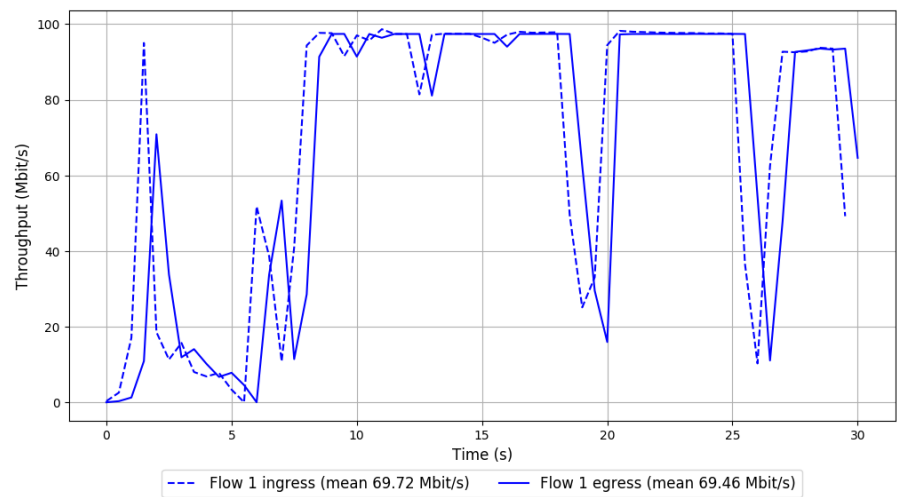
-- Flow 1:

Average throughput: 69.46 Mbit/s

95th percentile per-packet one-way delay: 102.952 ms

Loss rate: 0.37%

Run 4: Report of QUIC Cubic — Data Link



Run 5: Statistics of QUIC Cubic

Start at: 2019-03-18 21:16:34

End at: 2019-03-18 21:17:04

Local clock offset: -7.913 ms

Remote clock offset: 2.406 ms

Below is generated by plot.py at 2019-03-18 21:37:42

Datalink statistics

-- Total of 1 flow:

Average throughput: 68.76 Mbit/s

95th percentile per-packet one-way delay: 93.483 ms

Loss rate: 0.37%

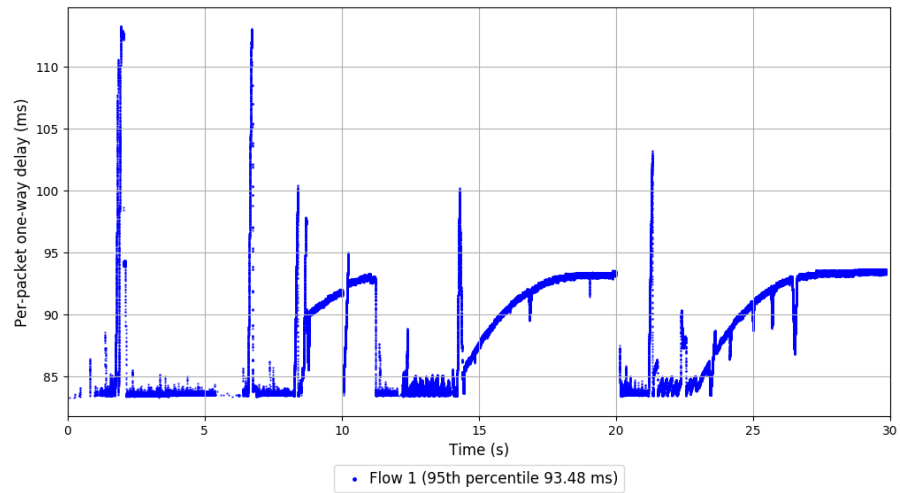
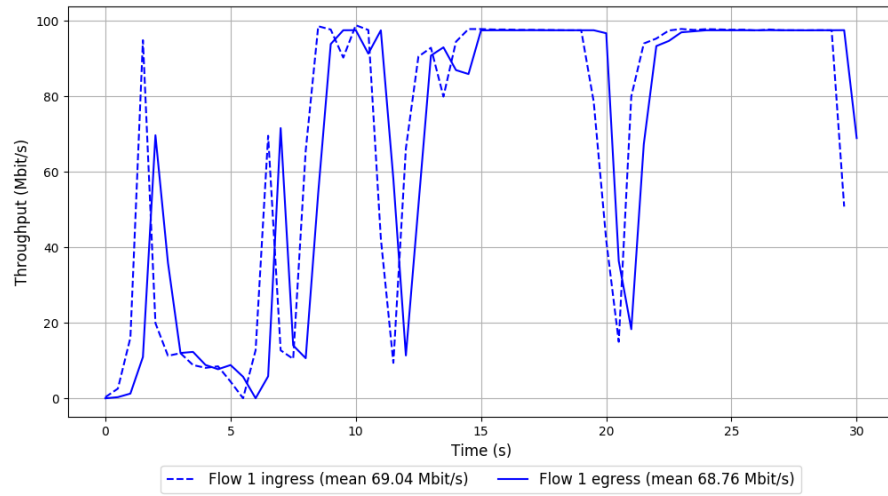
-- Flow 1:

Average throughput: 68.76 Mbit/s

95th percentile per-packet one-way delay: 93.483 ms

Loss rate: 0.37%

Run 5: Report of QUIC Cubic — Data Link



Run 1: Statistics of SCReAM

Start at: 2019-03-18 19:33:22

End at: 2019-03-18 19:33:52

Local clock offset: -7.697 ms

Remote clock offset: 1.042 ms

Below is generated by plot.py at 2019-03-18 21:37:42

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 79.355 ms

Loss rate: 0.00%

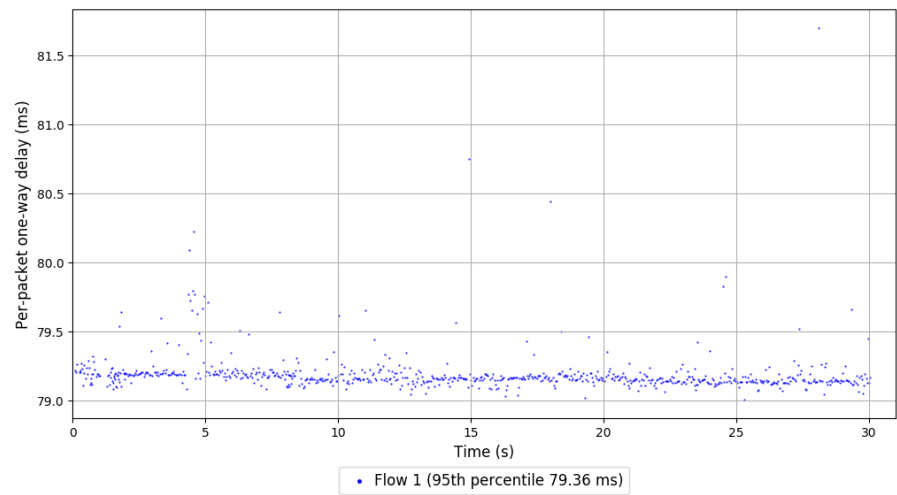
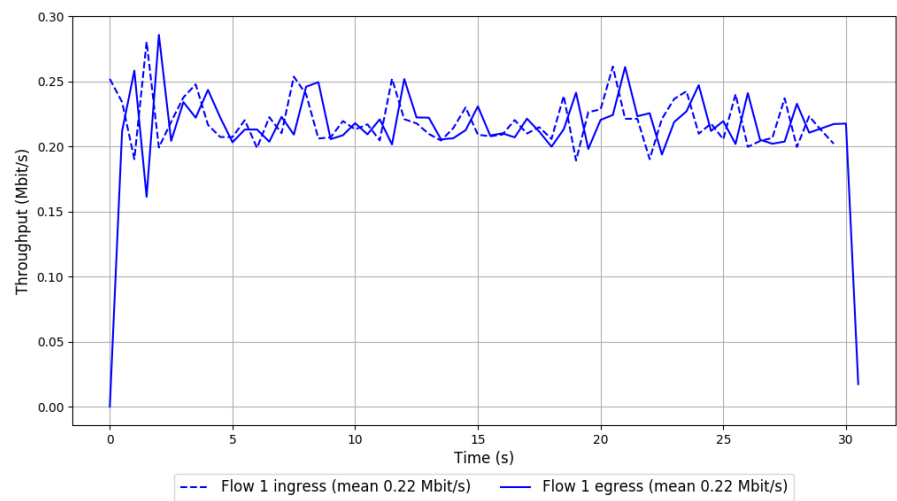
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 79.355 ms

Loss rate: 0.00%

Run 1: Report of SReAM — Data Link



Run 2: Statistics of SCReAM

Start at: 2019-03-18 19:58:06

End at: 2019-03-18 19:58:36

Local clock offset: -6.672 ms

Remote clock offset: 4.085 ms

Below is generated by plot.py at 2019-03-18 21:37:42

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 82.718 ms

Loss rate: 0.00%

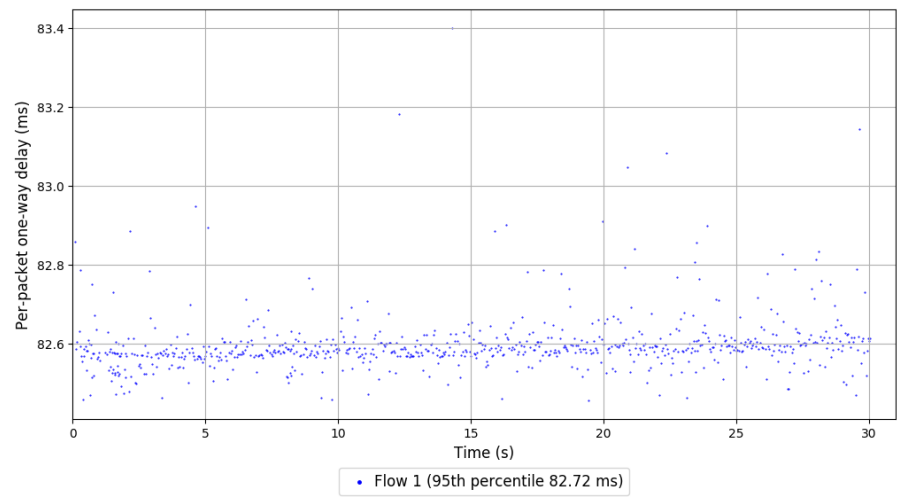
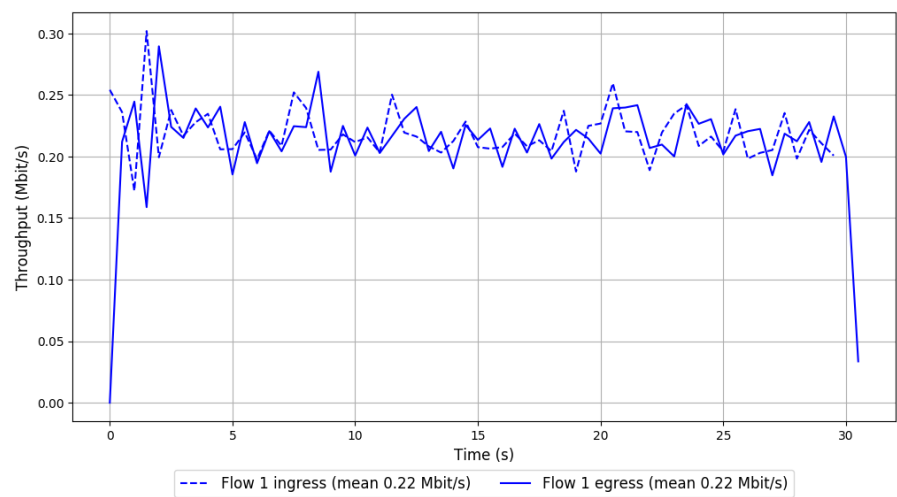
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 82.718 ms

Loss rate: 0.00%

Run 2: Report of SReAM — Data Link

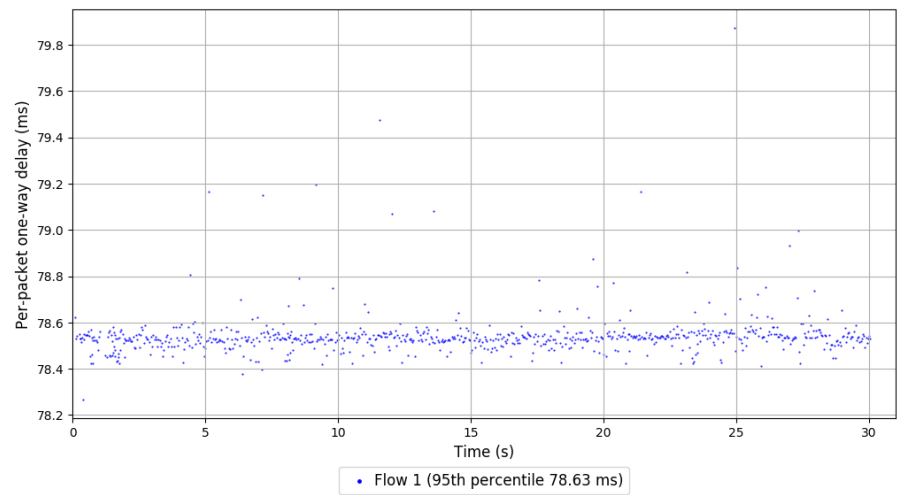
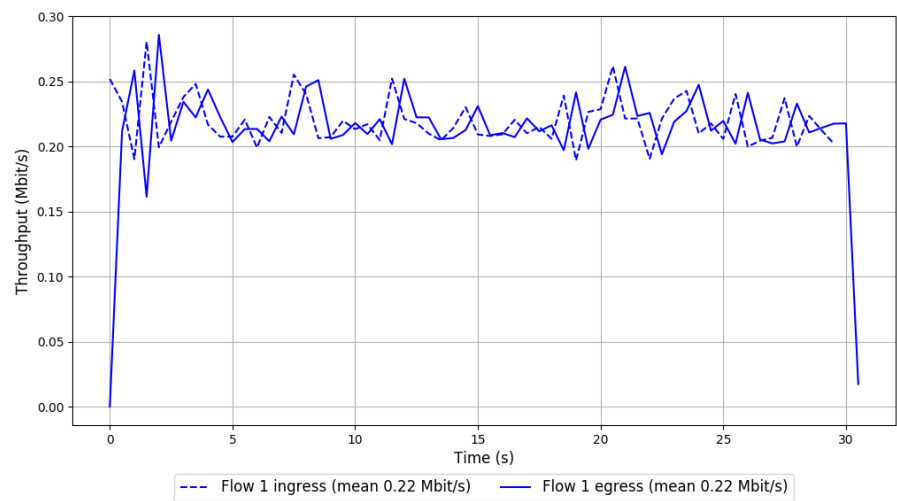


Run 3: Statistics of SCReAM

Start at: 2019-03-18 20:23:22
End at: 2019-03-18 20:23:52
Local clock offset: -6.643 ms
Remote clock offset: -0.917 ms

Below is generated by plot.py at 2019-03-18 21:37:42
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 78.630 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 78.630 ms
Loss rate: 0.00%

Run 3: Report of SReAM — Data Link



Run 4: Statistics of SCReAM

Start at: 2019-03-18 20:48:27

End at: 2019-03-18 20:48:57

Local clock offset: -7.162 ms

Remote clock offset: 3.909 ms

Below is generated by plot.py at 2019-03-18 21:37:42

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 84.338 ms

Loss rate: 0.00%

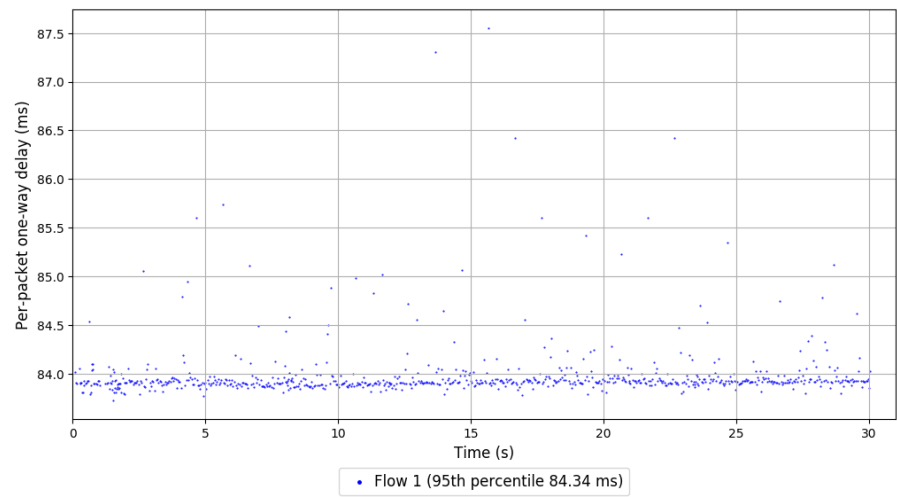
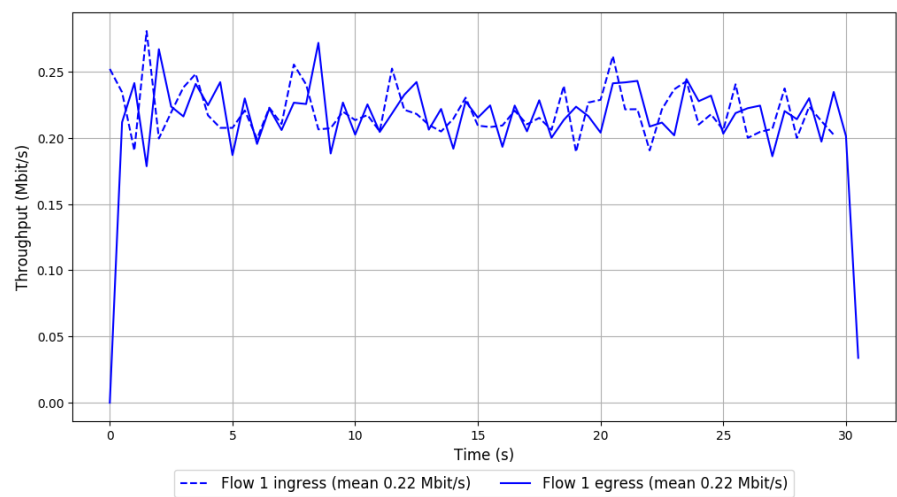
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 84.338 ms

Loss rate: 0.00%

Run 4: Report of SReAM — Data Link



Run 5: Statistics of SCReAM

Start at: 2019-03-18 21:13:07

End at: 2019-03-18 21:13:37

Local clock offset: -7.058 ms

Remote clock offset: 3.471 ms

Below is generated by plot.py at 2019-03-18 21:37:42

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 84.116 ms

Loss rate: 0.00%

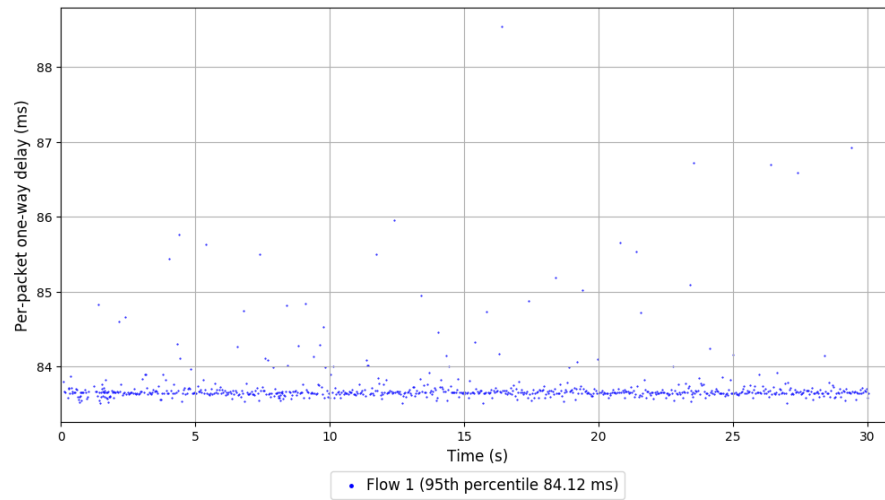
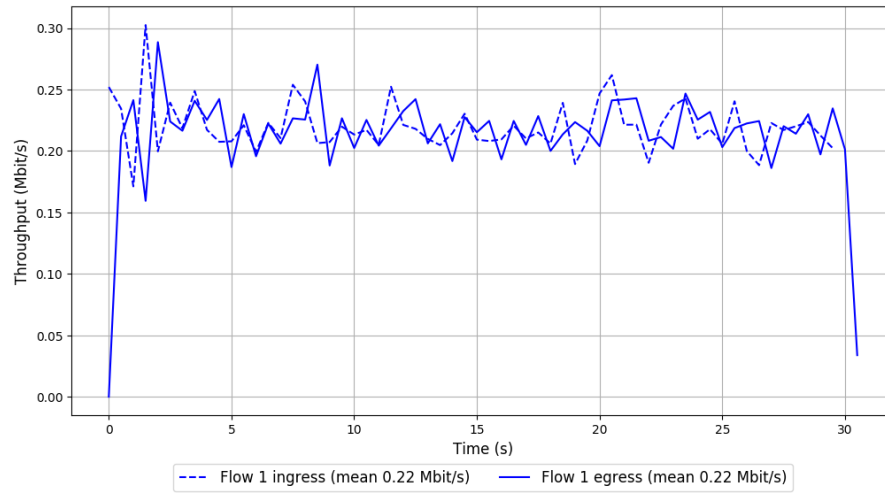
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 84.116 ms

Loss rate: 0.00%

Run 5: Report of SReAM — Data Link



Run 1: Statistics of Sprout

Start at: 2019-03-18 19:29:51

End at: 2019-03-18 19:30:21

Local clock offset: -8.154 ms

Remote clock offset: 4.629 ms

Below is generated by plot.py at 2019-03-18 21:37:42

Datalink statistics

-- Total of 1 flow:

Average throughput: 4.49 Mbit/s

95th percentile per-packet one-way delay: 91.085 ms

Loss rate: 0.23%

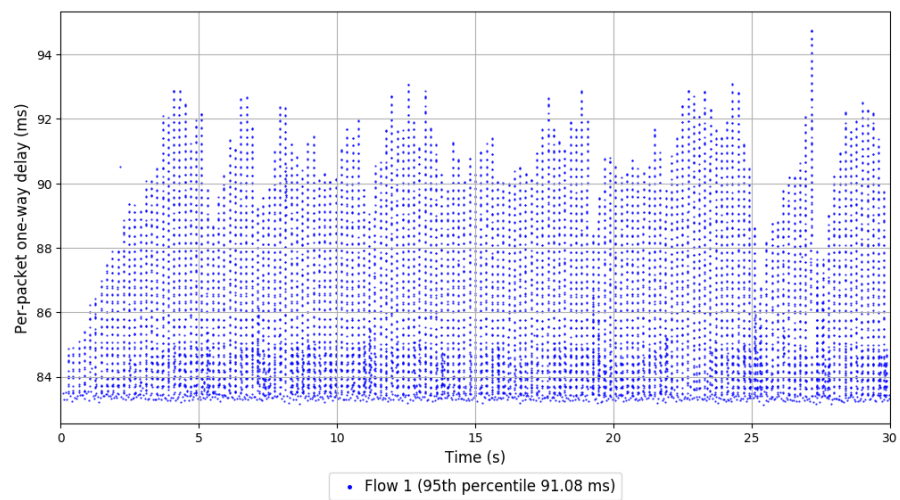
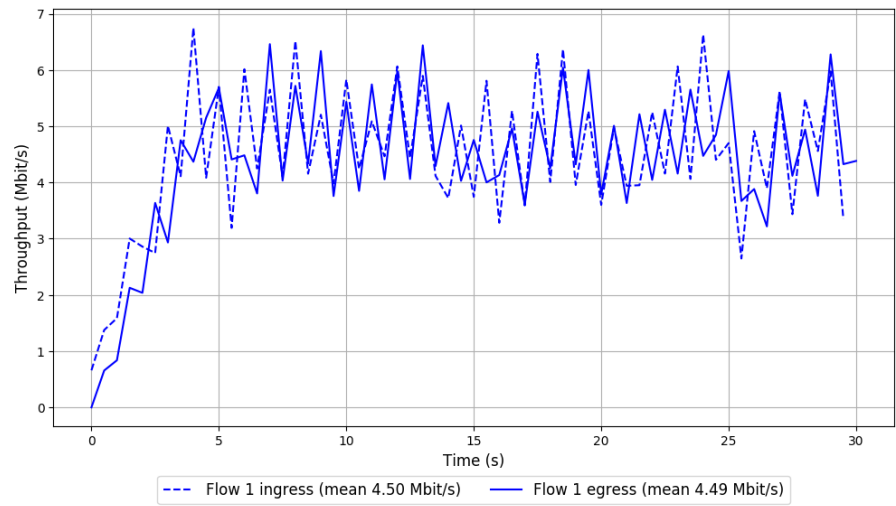
-- Flow 1:

Average throughput: 4.49 Mbit/s

95th percentile per-packet one-way delay: 91.085 ms

Loss rate: 0.23%

Run 1: Report of Sprout — Data Link



Run 2: Statistics of Sprout

Start at: 2019-03-18 19:54:34

End at: 2019-03-18 19:55:04

Local clock offset: -7.004 ms

Remote clock offset: 4.227 ms

Below is generated by plot.py at 2019-03-18 21:37:42

Datalink statistics

-- Total of 1 flow:

Average throughput: 2.88 Mbit/s

95th percentile per-packet one-way delay: 90.396 ms

Loss rate: 0.00%

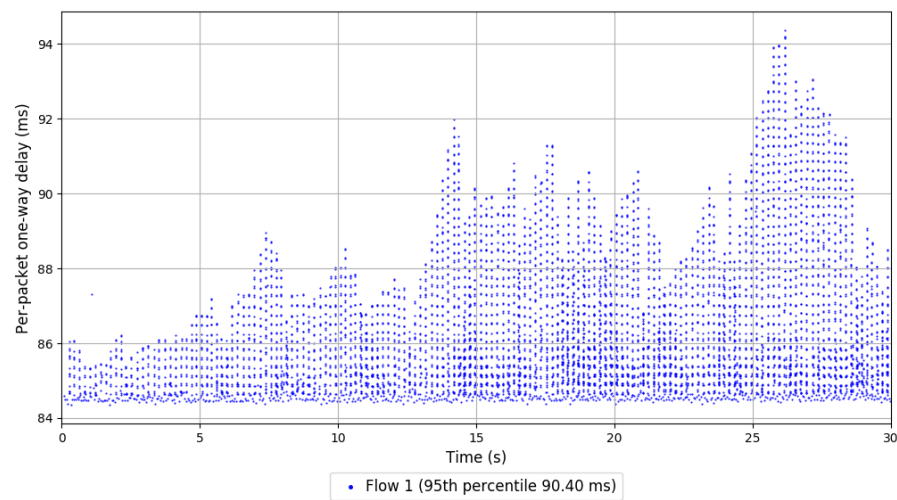
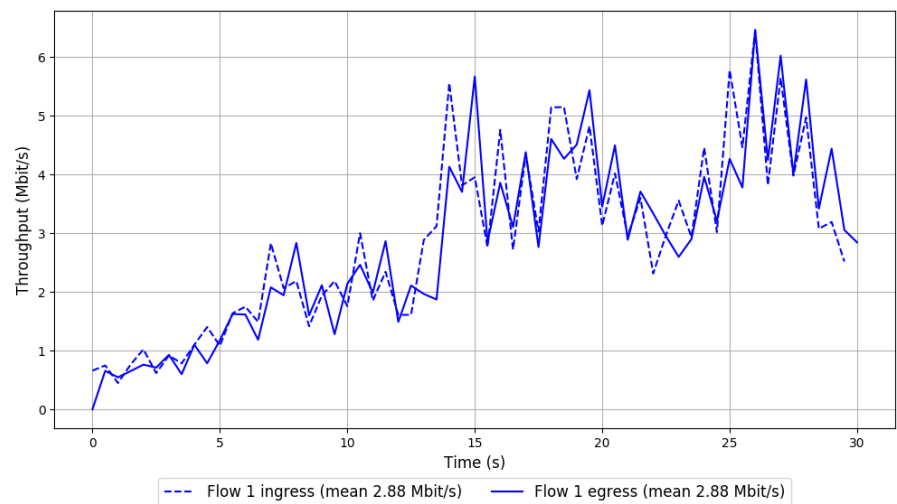
-- Flow 1:

Average throughput: 2.88 Mbit/s

95th percentile per-packet one-way delay: 90.396 ms

Loss rate: 0.00%

Run 2: Report of Sprout — Data Link



Run 3: Statistics of Sprout

Start at: 2019-03-18 20:19:45

End at: 2019-03-18 20:20:15

Local clock offset: -6.536 ms

Remote clock offset: 3.553 ms

Below is generated by plot.py at 2019-03-18 21:37:42

Datalink statistics

-- Total of 1 flow:

Average throughput: 1.96 Mbit/s

95th percentile per-packet one-way delay: 89.092 ms

Loss rate: 0.00%

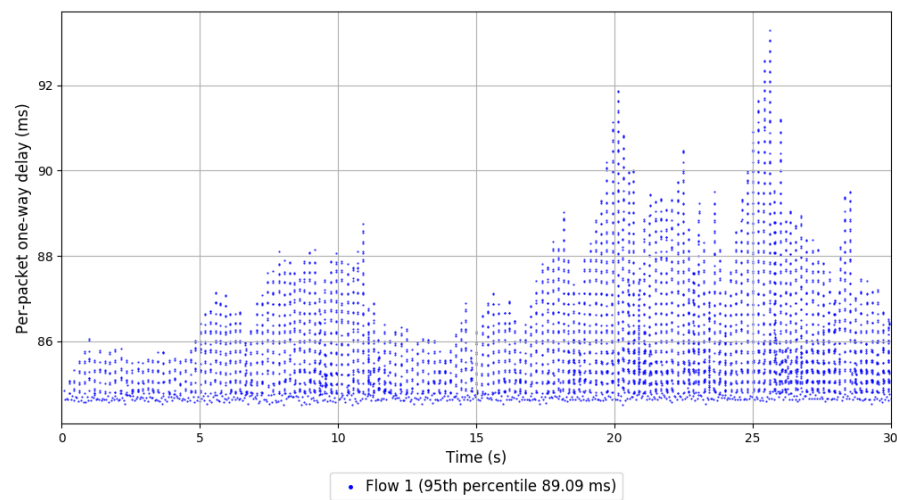
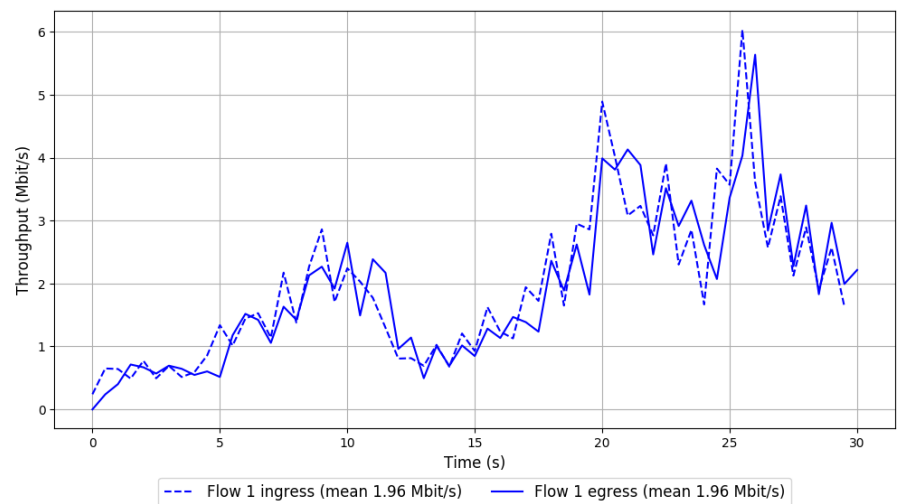
-- Flow 1:

Average throughput: 1.96 Mbit/s

95th percentile per-packet one-way delay: 89.092 ms

Loss rate: 0.00%

Run 3: Report of Sprout — Data Link

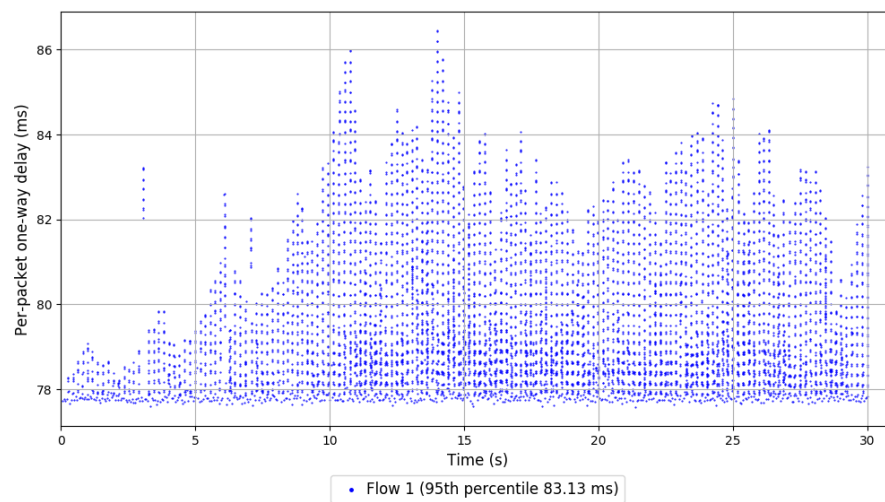
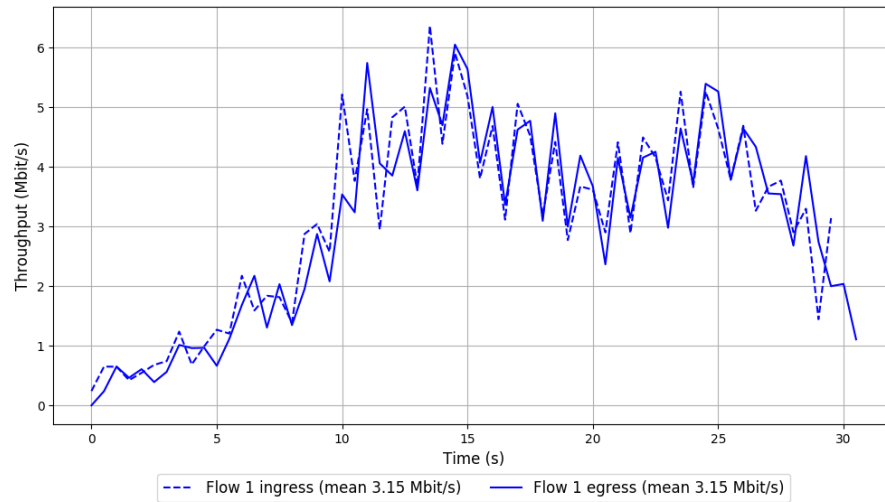


Run 4: Statistics of Sprout

Start at: 2019-03-18 20:44:52
End at: 2019-03-18 20:45:23
Local clock offset: -7.303 ms
Remote clock offset: -2.352 ms

Below is generated by plot.py at 2019-03-18 21:37:42
Datalink statistics
-- Total of 1 flow:
Average throughput: 3.15 Mbit/s
95th percentile per-packet one-way delay: 83.129 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 3.15 Mbit/s
95th percentile per-packet one-way delay: 83.129 ms
Loss rate: 0.00%

Run 4: Report of Sprout — Data Link



Run 5: Statistics of Sprout

Start at: 2019-03-18 21:09:37

End at: 2019-03-18 21:10:07

Local clock offset: -7.76 ms

Remote clock offset: 3.394 ms

Below is generated by plot.py at 2019-03-18 21:37:42

Datalink statistics

-- Total of 1 flow:

Average throughput: 2.68 Mbit/s

95th percentile per-packet one-way delay: 91.074 ms

Loss rate: 0.00%

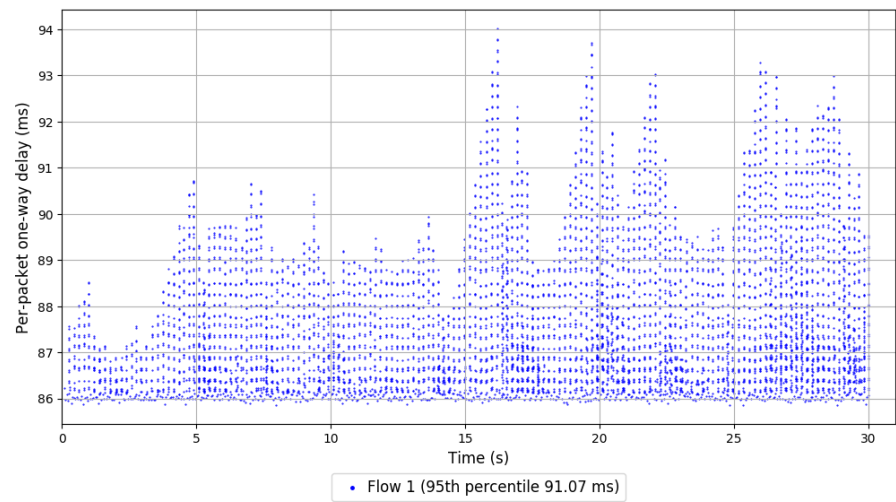
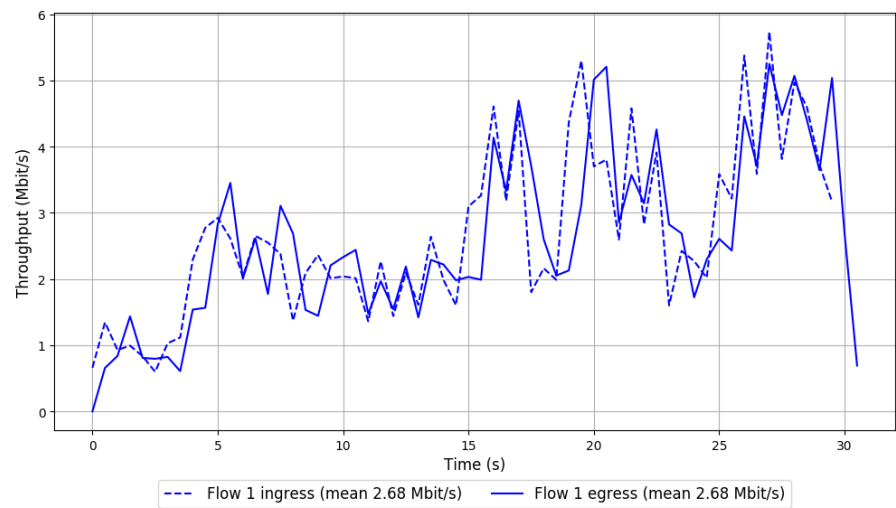
-- Flow 1:

Average throughput: 2.68 Mbit/s

95th percentile per-packet one-way delay: 91.074 ms

Loss rate: 0.00%

Run 5: Report of Sprout — Data Link



Run 1: Statistics of TaoVA-100x

Start at: 2019-03-18 19:47:26

End at: 2019-03-18 19:47:56

Local clock offset: -9.165 ms

Remote clock offset: 0.394 ms

Below is generated by plot.py at 2019-03-18 21:37:42

Datalink statistics

-- Total of 1 flow:

Average throughput: 12.59 Mbit/s

95th percentile per-packet one-way delay: 82.801 ms

Loss rate: 30.24%

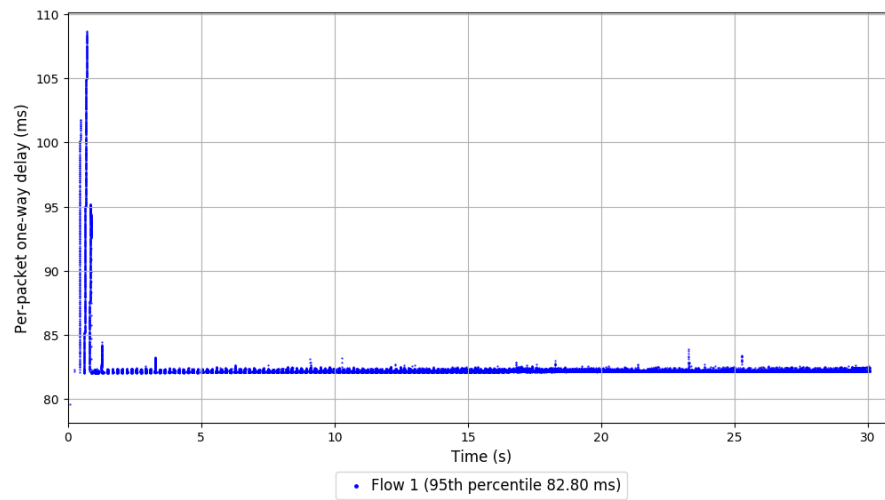
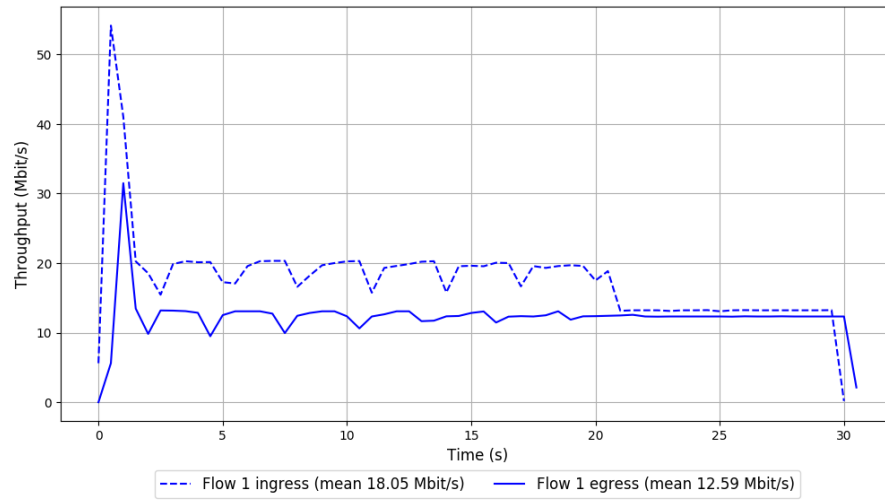
-- Flow 1:

Average throughput: 12.59 Mbit/s

95th percentile per-packet one-way delay: 82.801 ms

Loss rate: 30.24%

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



Run 2: Statistics of TaoVA-100x

Start at: 2019-03-18 20:12:36

End at: 2019-03-18 20:13:06

Local clock offset: -7.127 ms

Remote clock offset: 0.432 ms

Below is generated by plot.py at 2019-03-18 21:37:42

Datalink statistics

-- Total of 1 flow:

Average throughput: 12.59 Mbit/s

95th percentile per-packet one-way delay: 80.726 ms

Loss rate: 25.35%

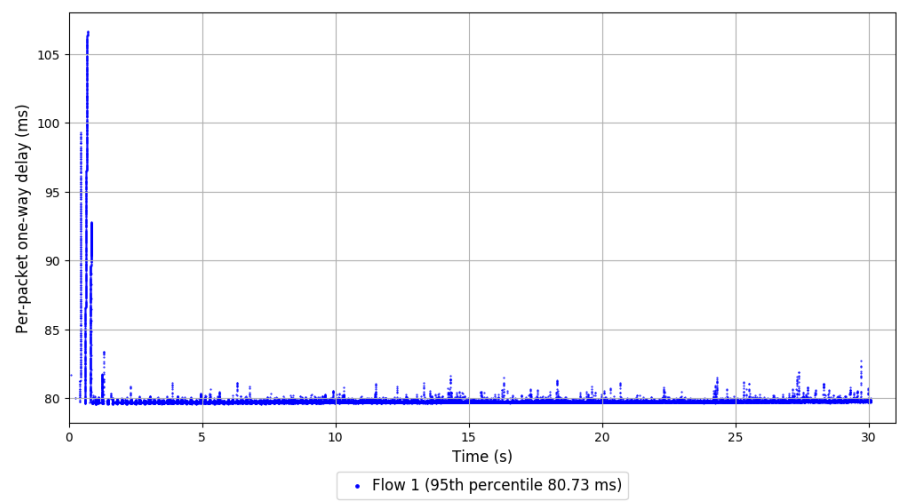
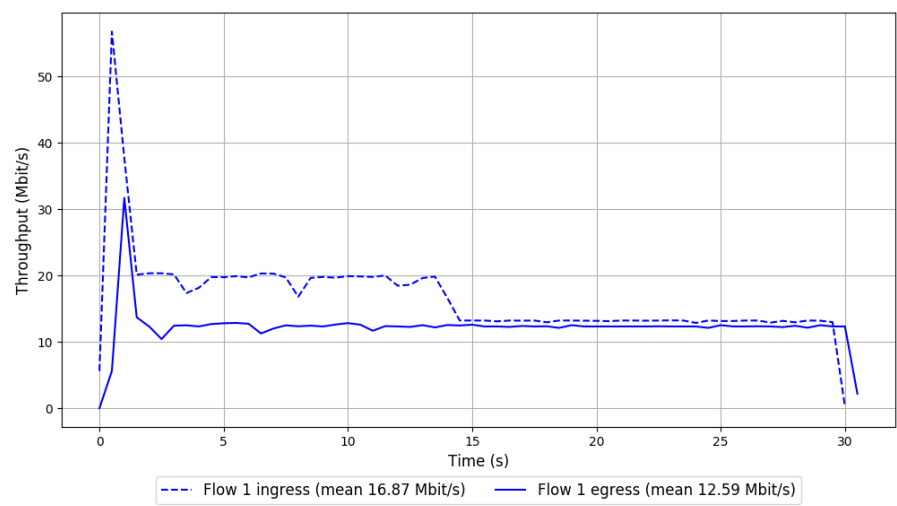
-- Flow 1:

Average throughput: 12.59 Mbit/s

95th percentile per-packet one-way delay: 80.726 ms

Loss rate: 25.35%

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



Run 3: Statistics of TaoVA-100x

Start at: 2019-03-18 20:37:47

End at: 2019-03-18 20:38:17

Local clock offset: -7.053 ms

Remote clock offset: 1.426 ms

Below is generated by plot.py at 2019-03-18 21:37:42

Datalink statistics

-- Total of 1 flow:

Average throughput: 12.59 Mbit/s

95th percentile per-packet one-way delay: 84.591 ms

Loss rate: 32.98%

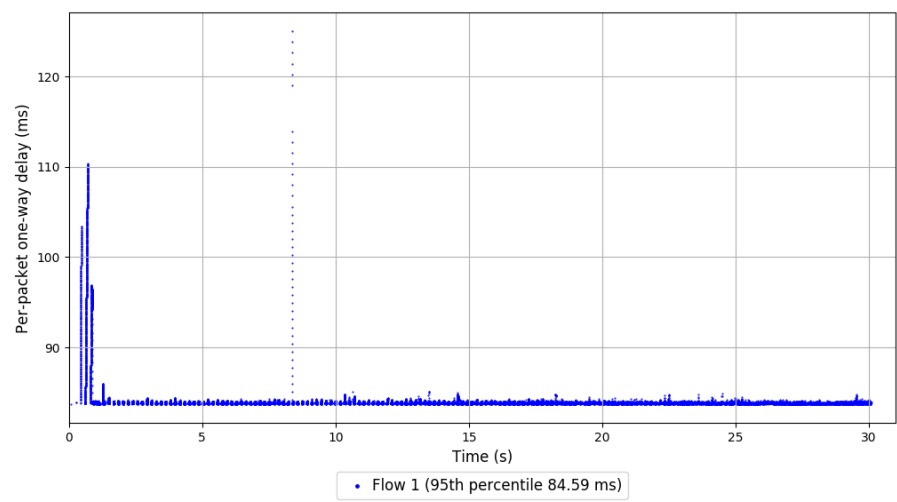
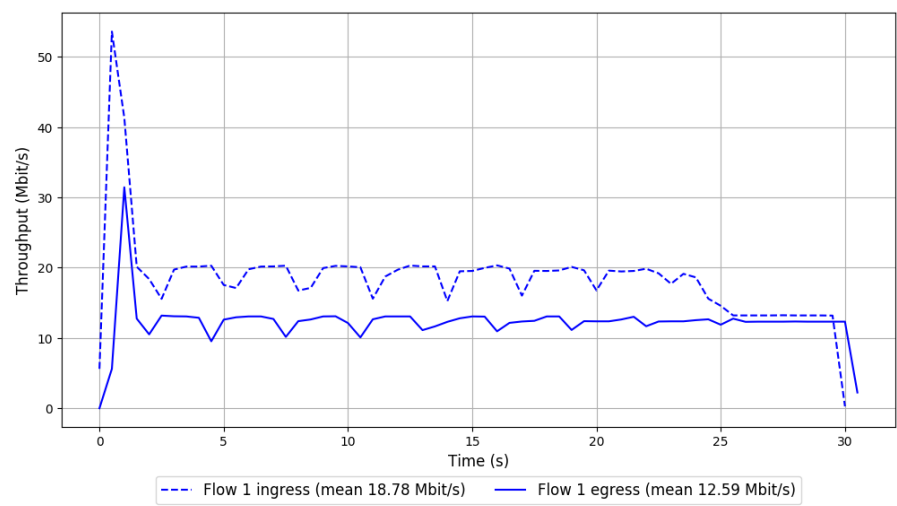
-- Flow 1:

Average throughput: 12.59 Mbit/s

95th percentile per-packet one-way delay: 84.591 ms

Loss rate: 32.98%

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



Run 4: Statistics of TaoVA-100x

Start at: 2019-03-18 21:02:32

End at: 2019-03-18 21:03:02

Local clock offset: -6.953 ms

Remote clock offset: -2.578 ms

Below is generated by plot.py at 2019-03-18 21:37:42

Datalink statistics

-- Total of 1 flow:

Average throughput: 12.59 Mbit/s

95th percentile per-packet one-way delay: 79.808 ms

Loss rate: 31.28%

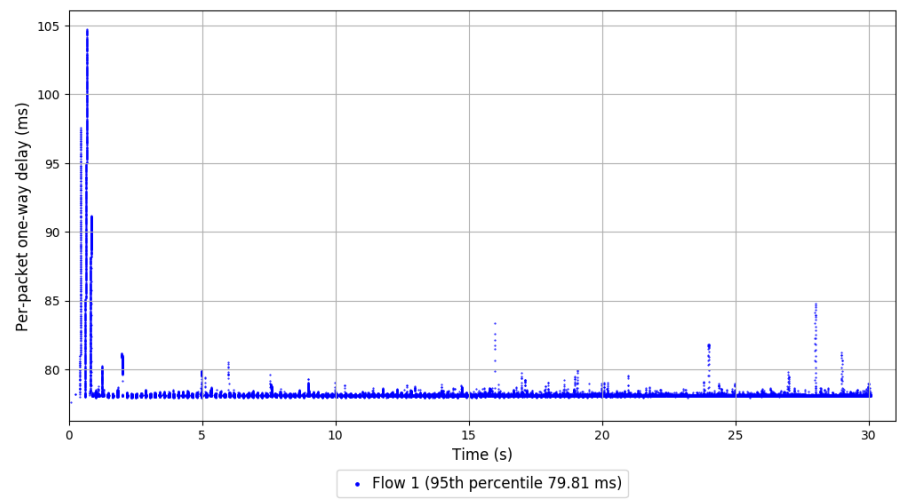
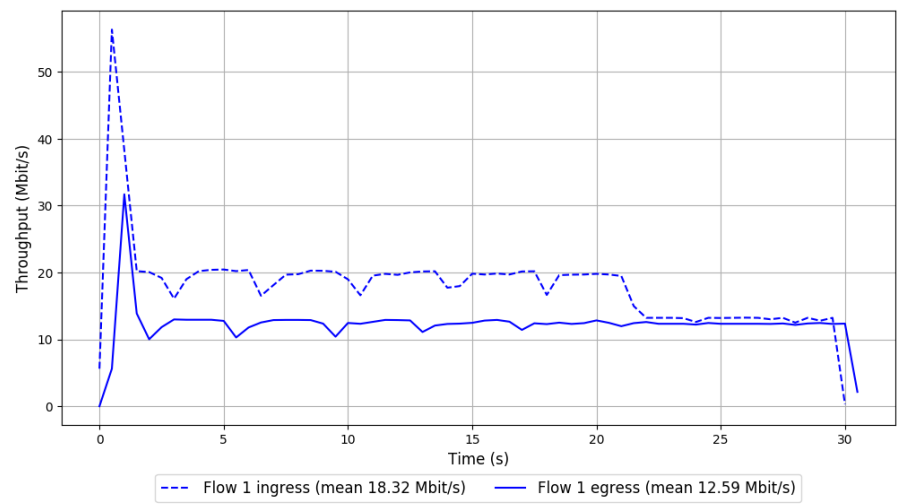
-- Flow 1:

Average throughput: 12.59 Mbit/s

95th percentile per-packet one-way delay: 79.808 ms

Loss rate: 31.28%

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



Run 5: Statistics of TaoVA-100x

Start at: 2019-03-18 21:27:11

End at: 2019-03-18 21:27:41

Local clock offset: -7.585 ms

Remote clock offset: 4.447 ms

Below is generated by plot.py at 2019-03-18 21:37:42

Datalink statistics

-- Total of 1 flow:

Average throughput: 12.59 Mbit/s

95th percentile per-packet one-way delay: 83.659 ms

Loss rate: 21.10%

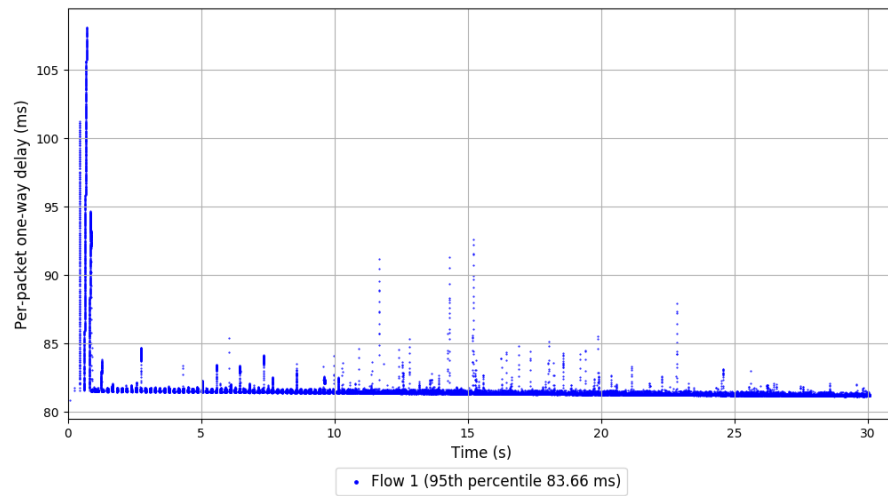
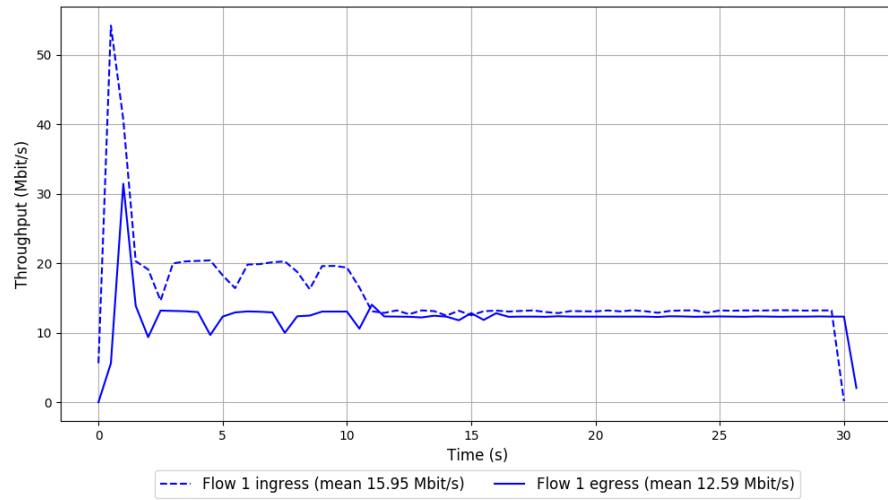
-- Flow 1:

Average throughput: 12.59 Mbit/s

95th percentile per-packet one-way delay: 83.659 ms

Loss rate: 21.10%

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



Run 1: Statistics of TCP Vegas

Start at: 2019-03-18 19:45:03

End at: 2019-03-18 19:45:33

Local clock offset: -8.684 ms

Remote clock offset: 4.042 ms

Below is generated by plot.py at 2019-03-18 21:38:12

Datalink statistics

-- Total of 1 flow:

Average throughput: 82.33 Mbit/s

95th percentile per-packet one-way delay: 85.578 ms

Loss rate: 0.45%

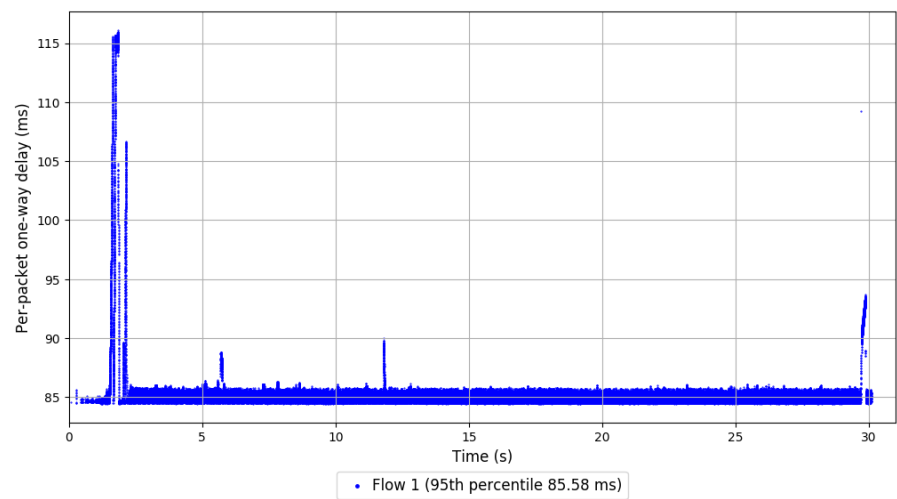
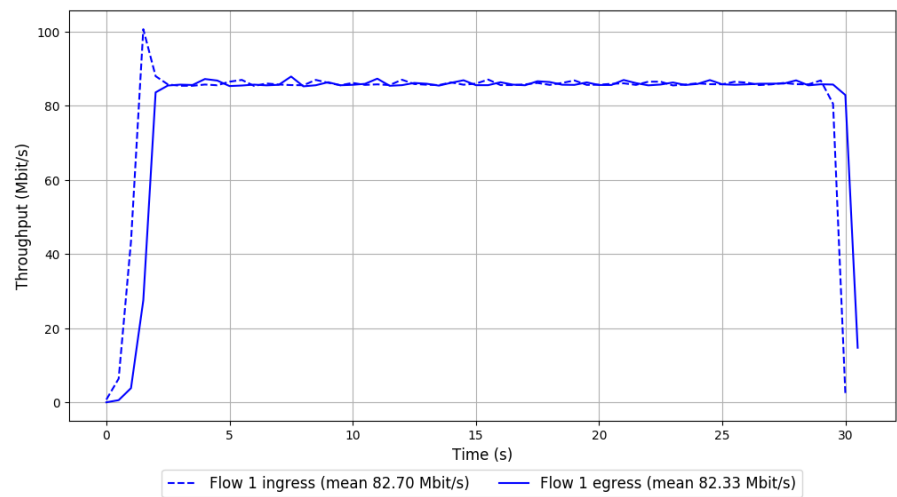
-- Flow 1:

Average throughput: 82.33 Mbit/s

95th percentile per-packet one-way delay: 85.578 ms

Loss rate: 0.45%

Run 1: Report of TCP Vegas — Data Link

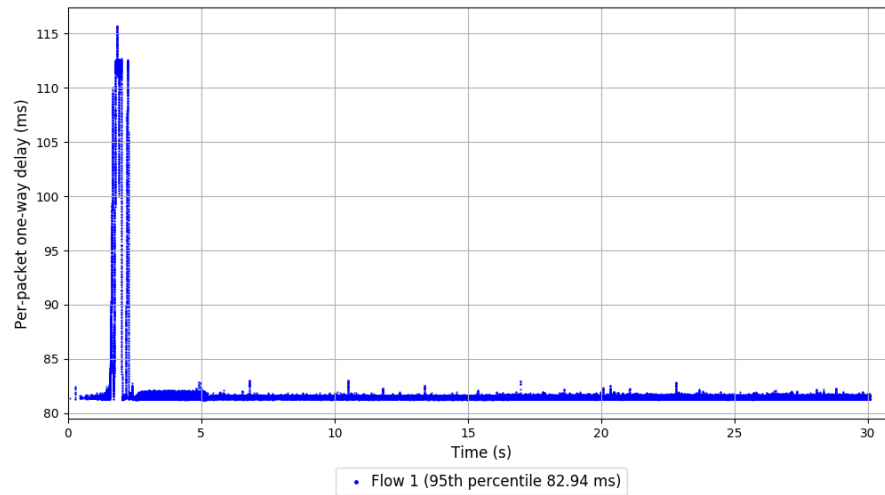
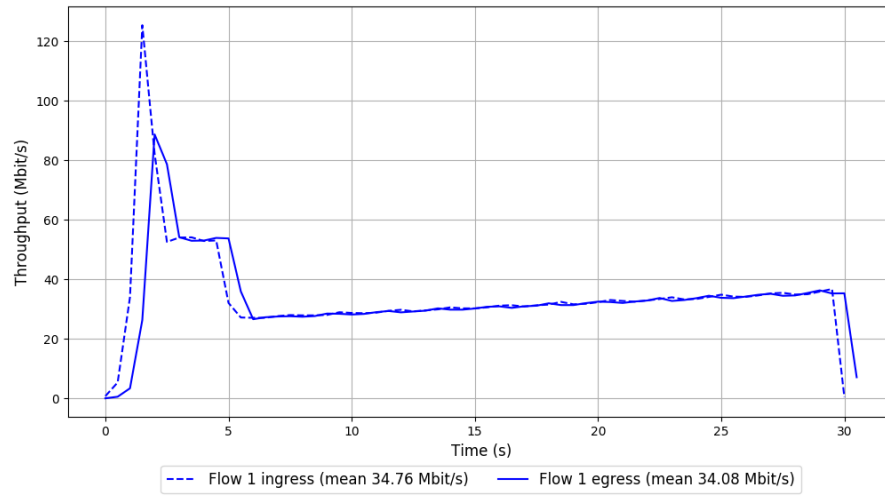


Run 2: Statistics of TCP Vegas

Start at: 2019-03-18 20:10:13
End at: 2019-03-18 20:10:43
Local clock offset: -7.187 ms
Remote clock offset: 0.736 ms

Below is generated by plot.py at 2019-03-18 21:38:12
Datalink statistics
-- Total of 1 flow:
Average throughput: 34.08 Mbit/s
95th percentile per-packet one-way delay: 82.942 ms
Loss rate: 1.96%
-- Flow 1:
Average throughput: 34.08 Mbit/s
95th percentile per-packet one-way delay: 82.942 ms
Loss rate: 1.96%

Run 2: Report of TCP Vegas — Data Link

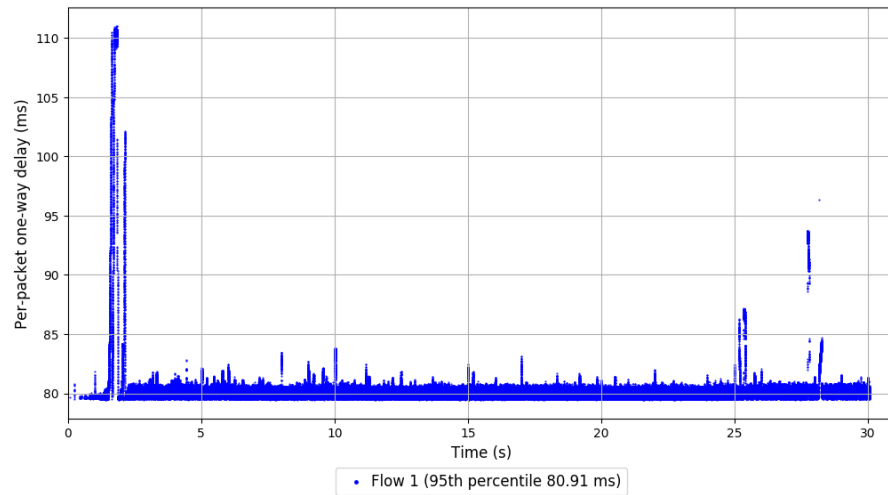
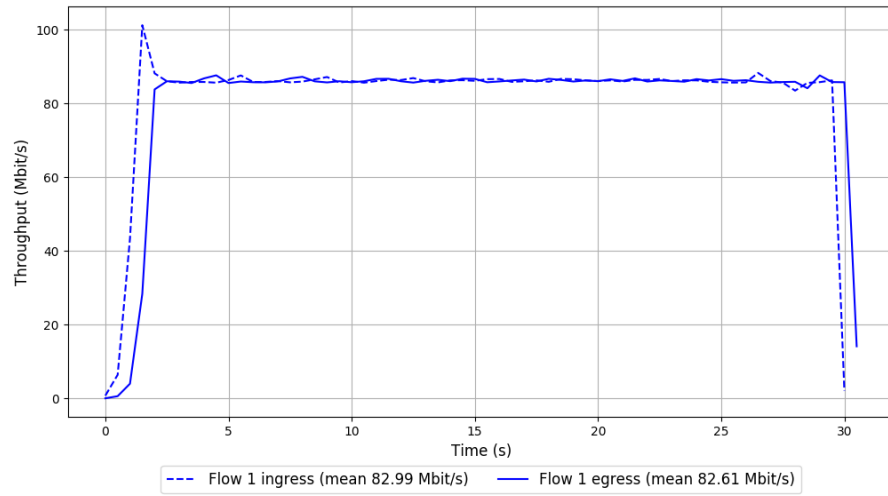


Run 3: Statistics of TCP Vegas

Start at: 2019-03-18 20:35:23
End at: 2019-03-18 20:35:53
Local clock offset: -6.982 ms
Remote clock offset: -2.325 ms

Below is generated by plot.py at 2019-03-18 21:38:14
Datalink statistics
-- Total of 1 flow:
Average throughput: 82.61 Mbit/s
95th percentile per-packet one-way delay: 80.905 ms
Loss rate: 0.45%
-- Flow 1:
Average throughput: 82.61 Mbit/s
95th percentile per-packet one-way delay: 80.905 ms
Loss rate: 0.45%

Run 3: Report of TCP Vegas — Data Link

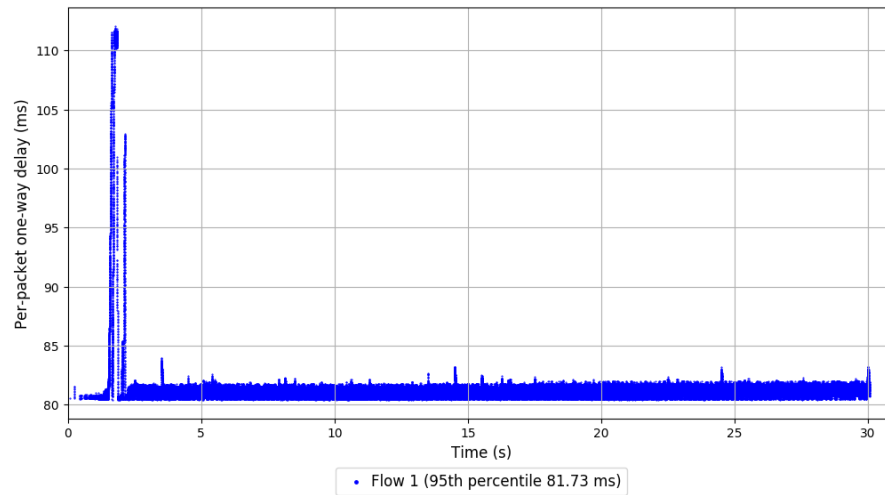
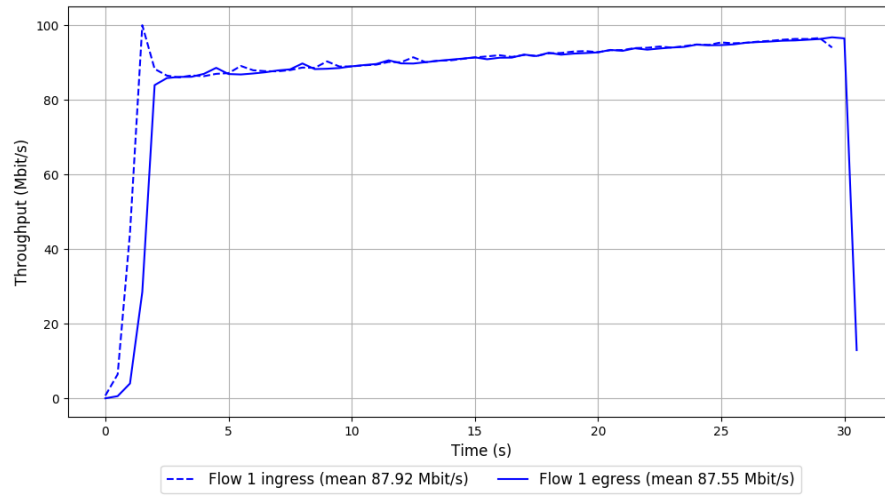


Run 4: Statistics of TCP Vegas

Start at: 2019-03-18 21:00:08
End at: 2019-03-18 21:00:38
Local clock offset: -6.919 ms
Remote clock offset: -1.375 ms

Below is generated by plot.py at 2019-03-18 21:38:23
Datalink statistics
-- Total of 1 flow:
Average throughput: 87.55 Mbit/s
95th percentile per-packet one-way delay: 81.727 ms
Loss rate: 0.42%
-- Flow 1:
Average throughput: 87.55 Mbit/s
95th percentile per-packet one-way delay: 81.727 ms
Loss rate: 0.42%

Run 4: Report of TCP Vegas — Data Link



Run 5: Statistics of TCP Vegas

Start at: 2019-03-18 21:24:50

End at: 2019-03-18 21:25:20

Local clock offset: -7.57 ms

Remote clock offset: 2.559 ms

Below is generated by plot.py at 2019-03-18 21:38:23

Datalink statistics

-- Total of 1 flow:

Average throughput: 39.60 Mbit/s

95th percentile per-packet one-way delay: 83.283 ms

Loss rate: 0.93%

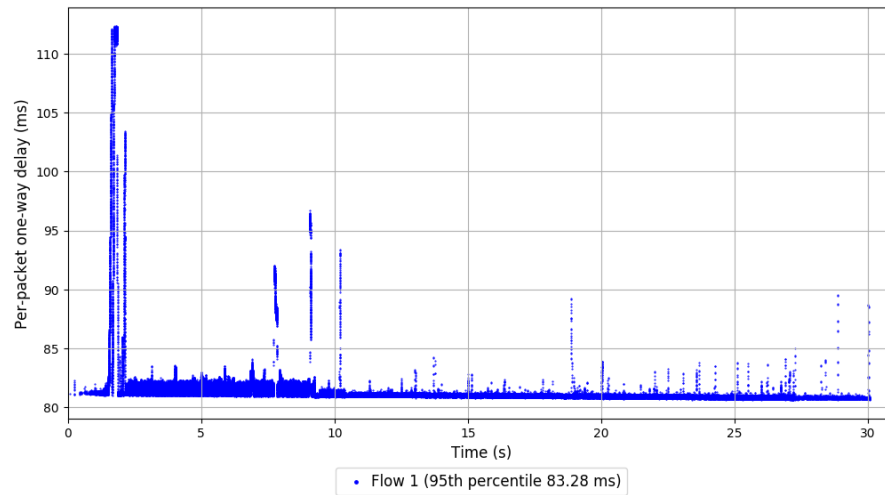
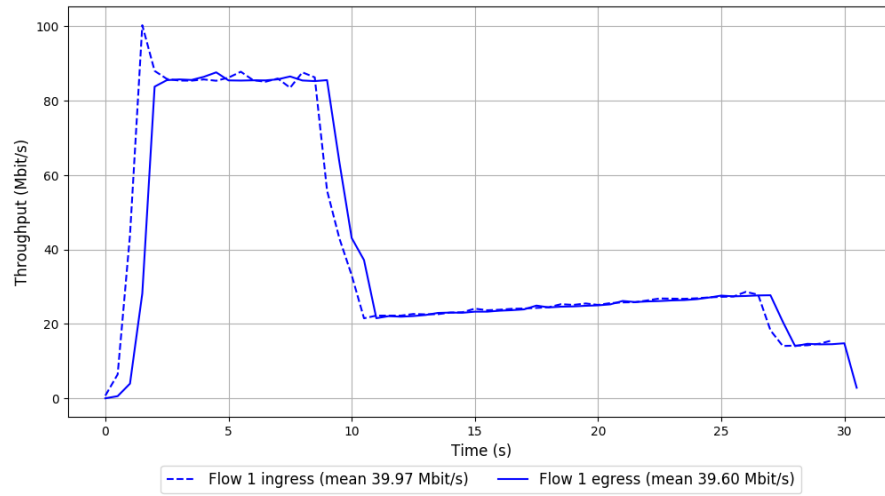
-- Flow 1:

Average throughput: 39.60 Mbit/s

95th percentile per-packet one-way delay: 83.283 ms

Loss rate: 0.93%

Run 5: Report of TCP Vegas — Data Link



Run 1: Statistics of Verus

Start at: 2019-03-18 19:30:59

End at: 2019-03-18 19:31:29

Local clock offset: -8.3 ms

Remote clock offset: 4.697 ms

Below is generated by plot.py at 2019-03-18 21:38:23

Datalink statistics

-- Total of 1 flow:

Average throughput: 30.27 Mbit/s

95th percentile per-packet one-way delay: 138.637 ms

Loss rate: 44.70%

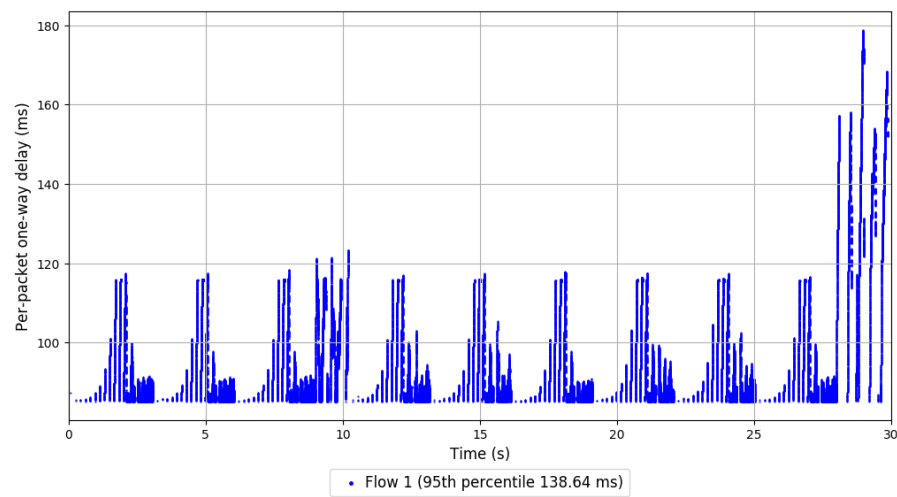
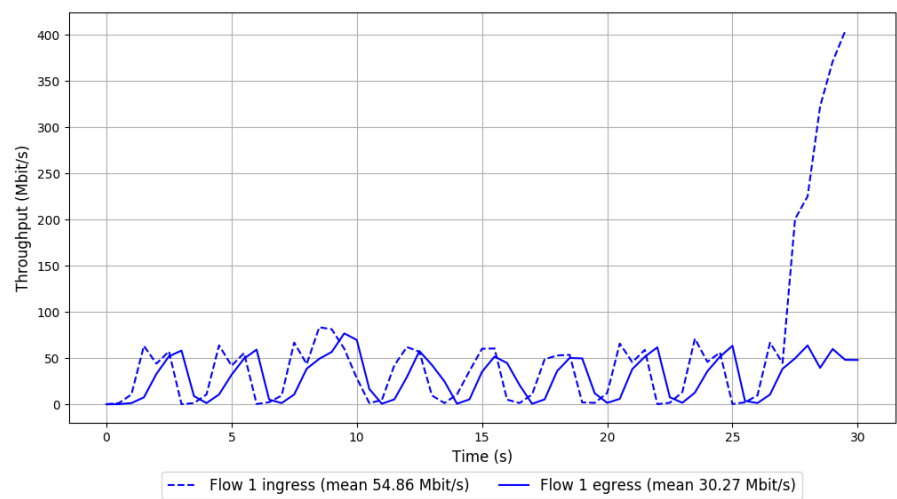
-- Flow 1:

Average throughput: 30.27 Mbit/s

95th percentile per-packet one-way delay: 138.637 ms

Loss rate: 44.70%

Run 1: Report of Verus — Data Link



Run 2: Statistics of Verus

Start at: 2019-03-18 19:55:42

End at: 2019-03-18 19:56:12

Local clock offset: -6.955 ms

Remote clock offset: 3.018 ms

Below is generated by plot.py at 2019-03-18 21:38:23

Datalink statistics

-- Total of 1 flow:

Average throughput: 33.88 Mbit/s

95th percentile per-packet one-way delay: 148.560 ms

Loss rate: 67.22%

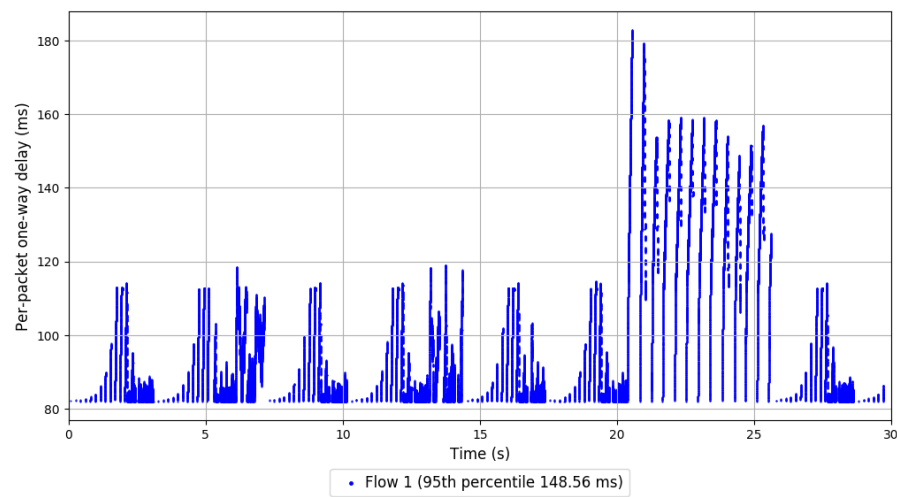
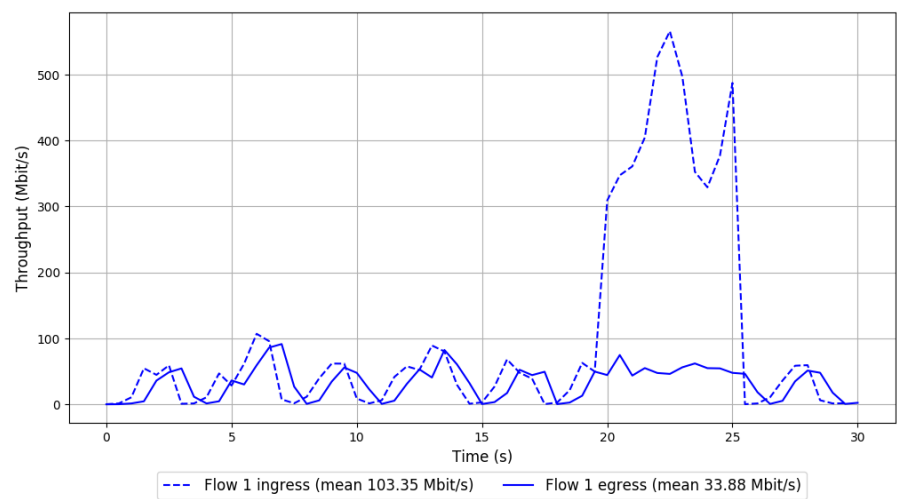
-- Flow 1:

Average throughput: 33.88 Mbit/s

95th percentile per-packet one-way delay: 148.560 ms

Loss rate: 67.22%

Run 2: Report of Verus — Data Link



Run 3: Statistics of Verus

Start at: 2019-03-18 20:20:52

End at: 2019-03-18 20:21:22

Local clock offset: -6.555 ms

Remote clock offset: 3.274 ms

Below is generated by plot.py at 2019-03-18 21:38:57

Datalink statistics

-- Total of 1 flow:

Average throughput: 42.08 Mbit/s

95th percentile per-packet one-way delay: 187.036 ms

Loss rate: 87.16%

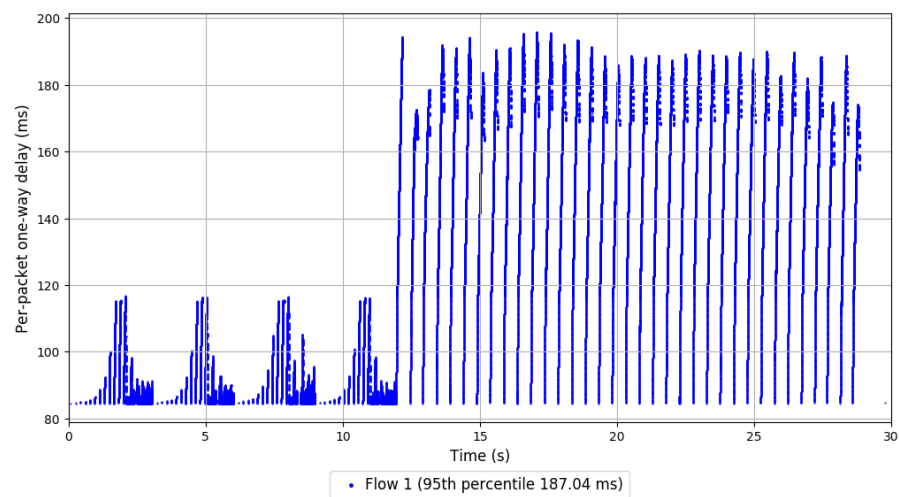
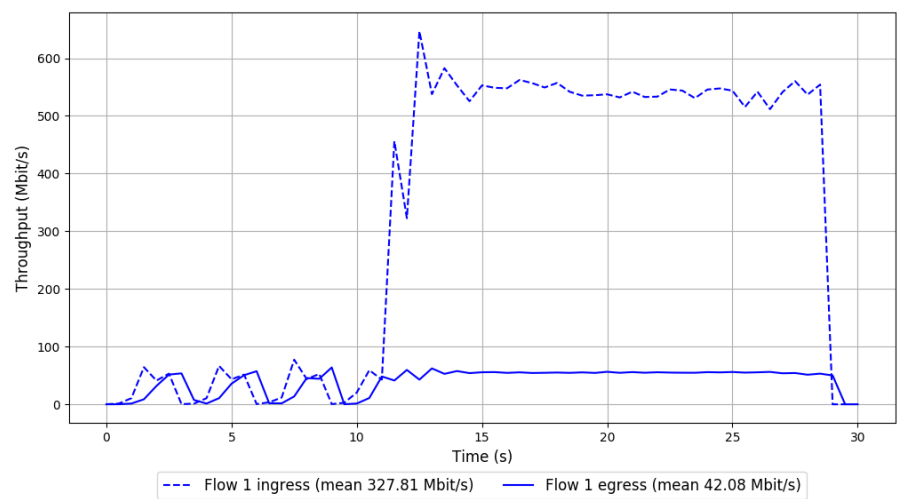
-- Flow 1:

Average throughput: 42.08 Mbit/s

95th percentile per-packet one-way delay: 187.036 ms

Loss rate: 87.16%

Run 3: Report of Verus — Data Link

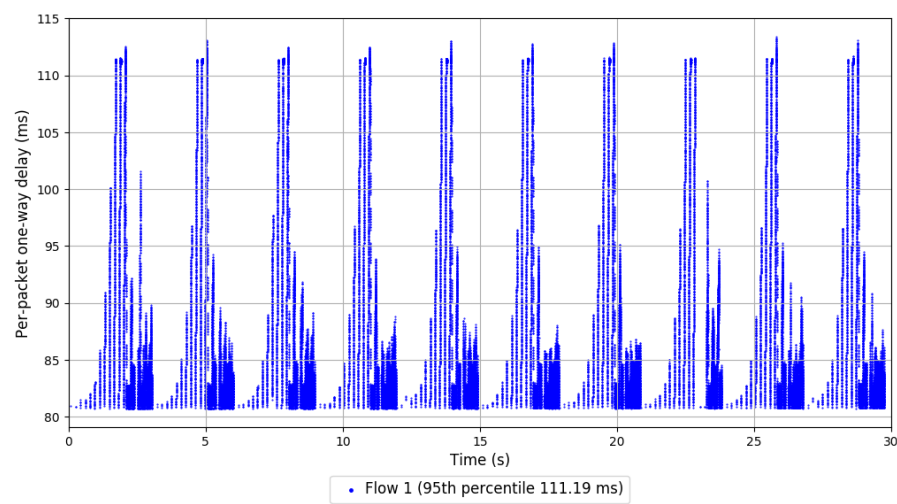
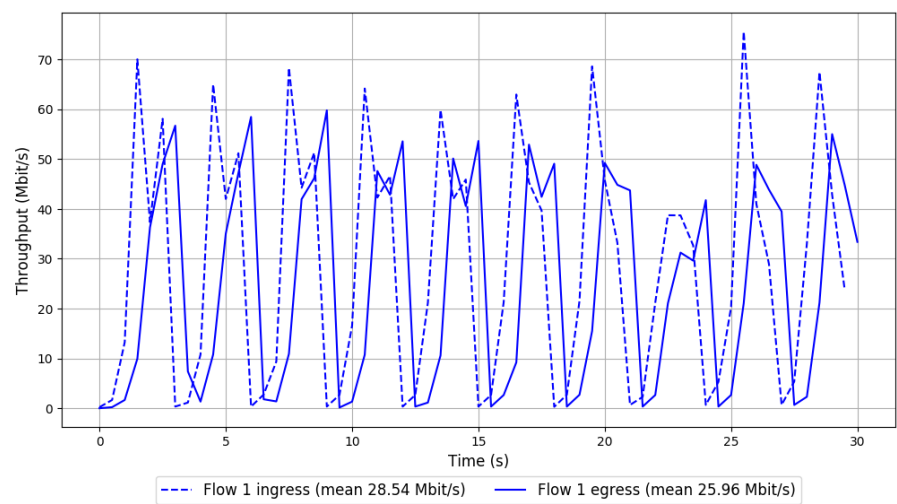


Run 4: Statistics of Verus

Start at: 2019-03-18 20:46:05
End at: 2019-03-18 20:46:35
Local clock offset: -7.262 ms
Remote clock offset: -1.216 ms

Below is generated by plot.py at 2019-03-18 21:38:57
Datalink statistics
-- Total of 1 flow:
Average throughput: 25.96 Mbit/s
95th percentile per-packet one-way delay: 111.187 ms
Loss rate: 9.06%
-- Flow 1:
Average throughput: 25.96 Mbit/s
95th percentile per-packet one-way delay: 111.187 ms
Loss rate: 9.06%

Run 4: Report of Verus — Data Link



Run 5: Statistics of Verus

Start at: 2019-03-18 21:10:45

End at: 2019-03-18 21:11:15

Local clock offset: -7.034 ms

Remote clock offset: 1.291 ms

Below is generated by plot.py at 2019-03-18 21:38:57

Datalink statistics

-- Total of 1 flow:

Average throughput: 30.11 Mbit/s

95th percentile per-packet one-way delay: 111.768 ms

Loss rate: 9.25%

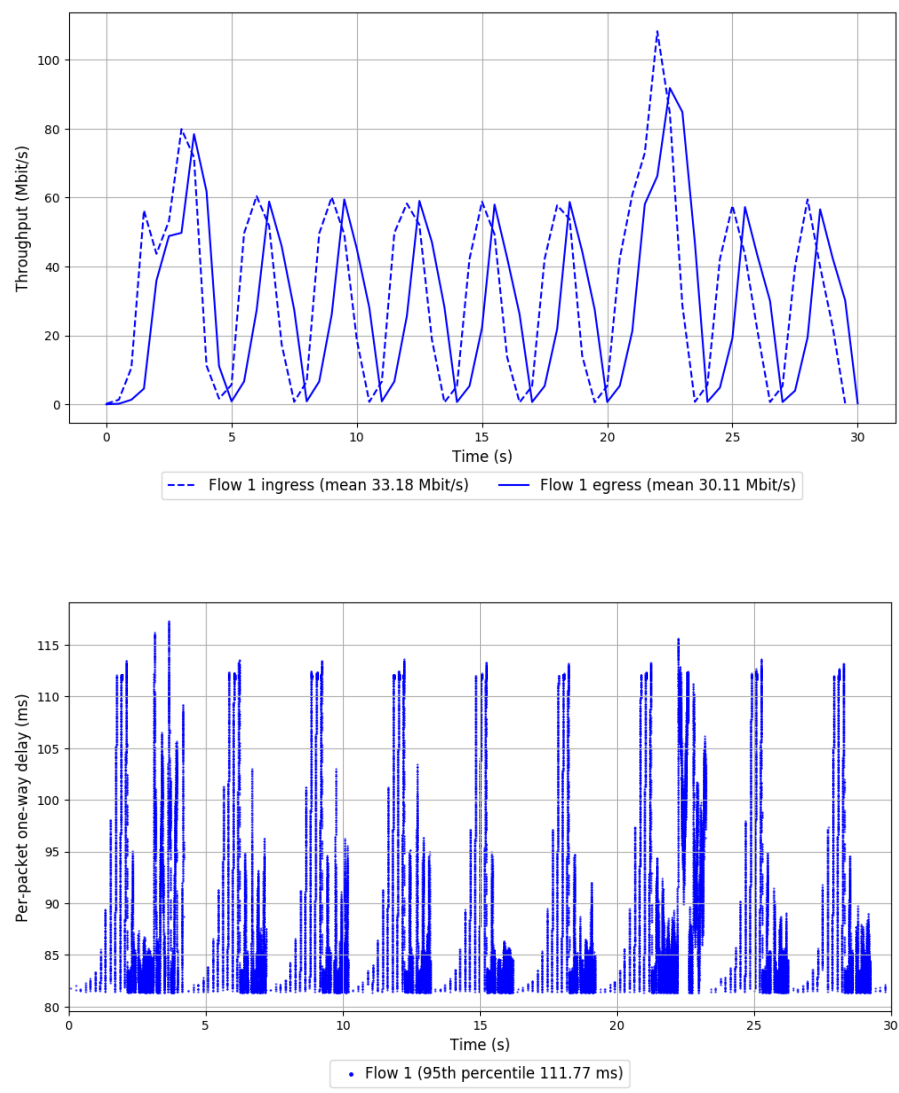
-- Flow 1:

Average throughput: 30.11 Mbit/s

95th percentile per-packet one-way delay: 111.768 ms

Loss rate: 9.25%

Run 5: Report of Verus — Data Link



Run 1: Statistics of PCC-Vivace

Start at: 2019-03-18 19:37:59

End at: 2019-03-18 19:38:29

Local clock offset: -8.839 ms

Remote clock offset: 3.584 ms

Below is generated by plot.py at 2019-03-18 21:38:57

Datalink statistics

-- Total of 1 flow:

Average throughput: 76.34 Mbit/s

95th percentile per-packet one-way delay: 113.533 ms

Loss rate: 0.19%

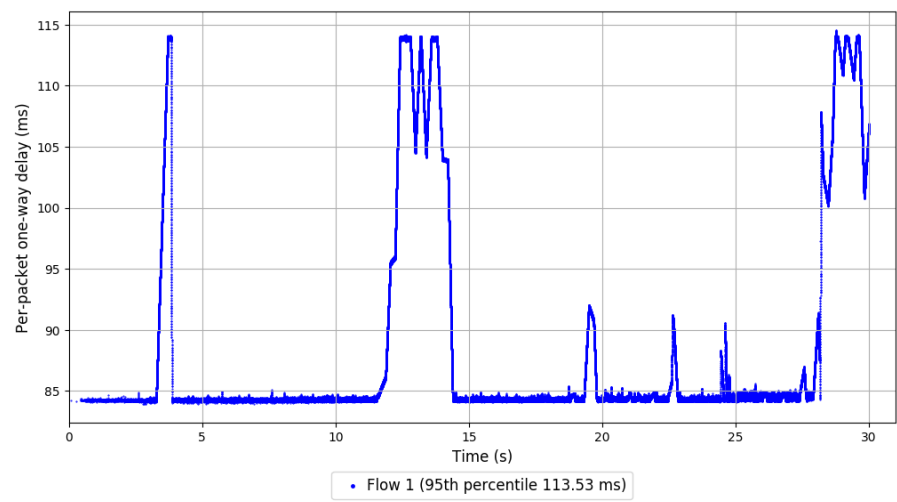
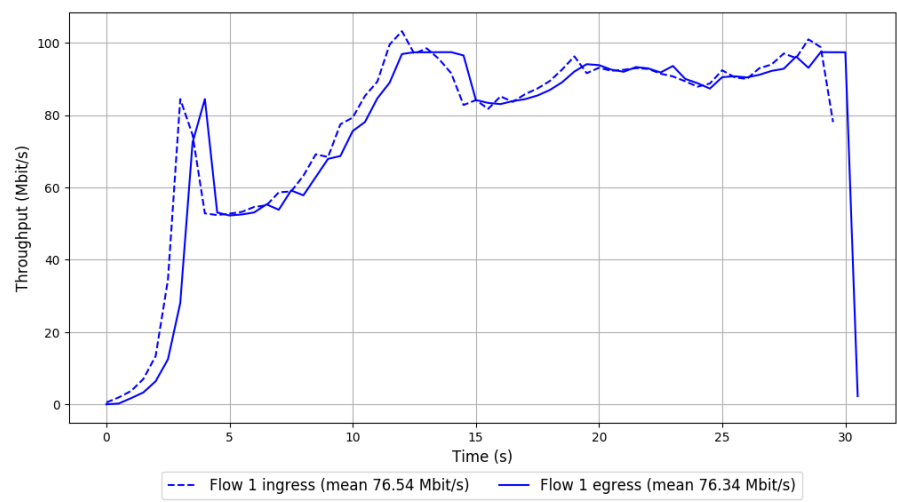
-- Flow 1:

Average throughput: 76.34 Mbit/s

95th percentile per-packet one-way delay: 113.533 ms

Loss rate: 0.19%

Run 1: Report of PCC-Vivace — Data Link



Run 2: Statistics of PCC-Vivace

Start at: 2019-03-18 20:02:44

End at: 2019-03-18 20:03:14

Local clock offset: -7.186 ms

Remote clock offset: 4.314 ms

Below is generated by plot.py at 2019-03-18 21:38:57

Datalink statistics

-- Total of 1 flow:

Average throughput: 77.51 Mbit/s

95th percentile per-packet one-way delay: 99.454 ms

Loss rate: 0.04%

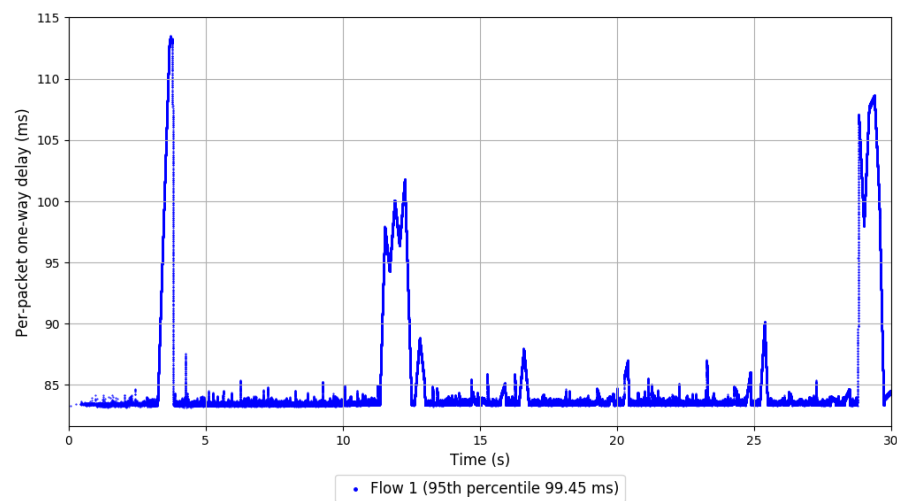
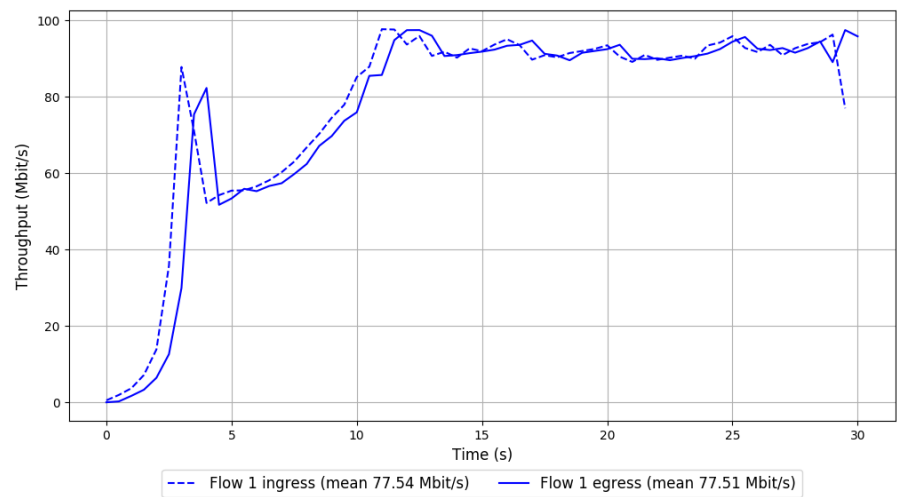
-- Flow 1:

Average throughput: 77.51 Mbit/s

95th percentile per-packet one-way delay: 99.454 ms

Loss rate: 0.04%

Run 2: Report of PCC-Vivace — Data Link



Run 3: Statistics of PCC-Vivace

Start at: 2019-03-18 20:28:06

End at: 2019-03-18 20:28:36

Local clock offset: -6.78 ms

Remote clock offset: -1.135 ms

Below is generated by plot.py at 2019-03-18 21:38:57

Datalink statistics

-- Total of 1 flow:

Average throughput: 76.63 Mbit/s

95th percentile per-packet one-way delay: 103.236 ms

Loss rate: 0.16%

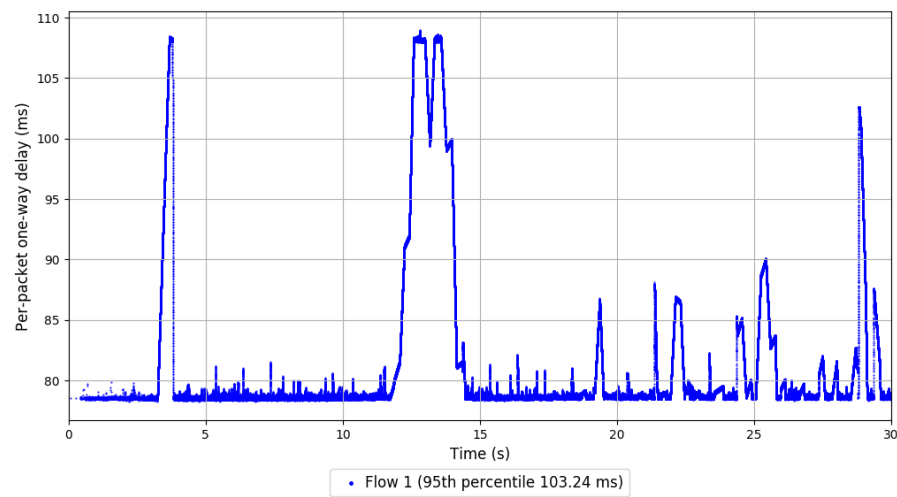
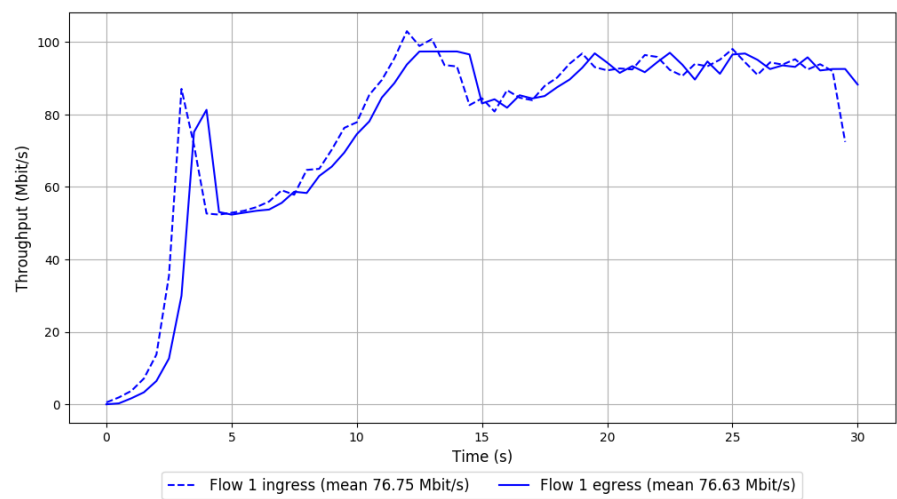
-- Flow 1:

Average throughput: 76.63 Mbit/s

95th percentile per-packet one-way delay: 103.236 ms

Loss rate: 0.16%

Run 3: Report of PCC-Vivace — Data Link



Run 4: Statistics of PCC-Vivace

Start at: 2019-03-18 20:53:05

End at: 2019-03-18 20:53:35

Local clock offset: -7.828 ms

Remote clock offset: 3.321 ms

Below is generated by plot.py at 2019-03-18 21:38:57

Datalink statistics

-- Total of 1 flow:

Average throughput: 75.14 Mbit/s

95th percentile per-packet one-way delay: 111.189 ms

Loss rate: 0.15%

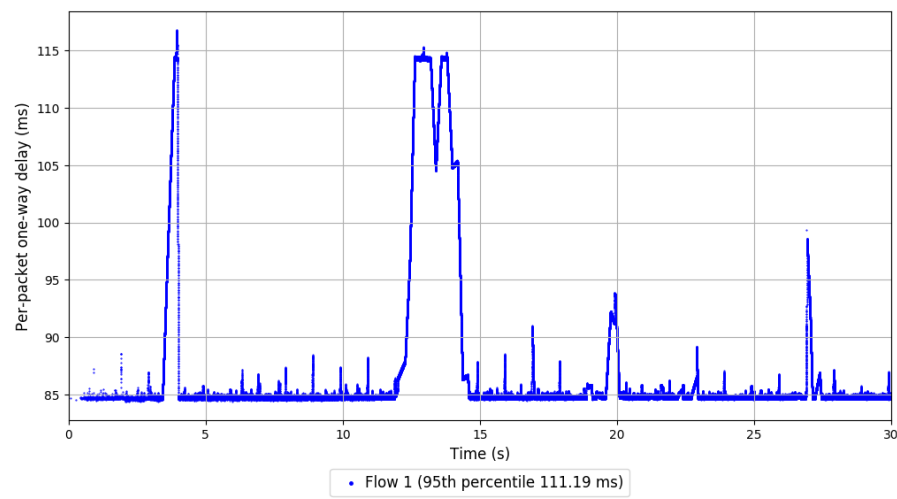
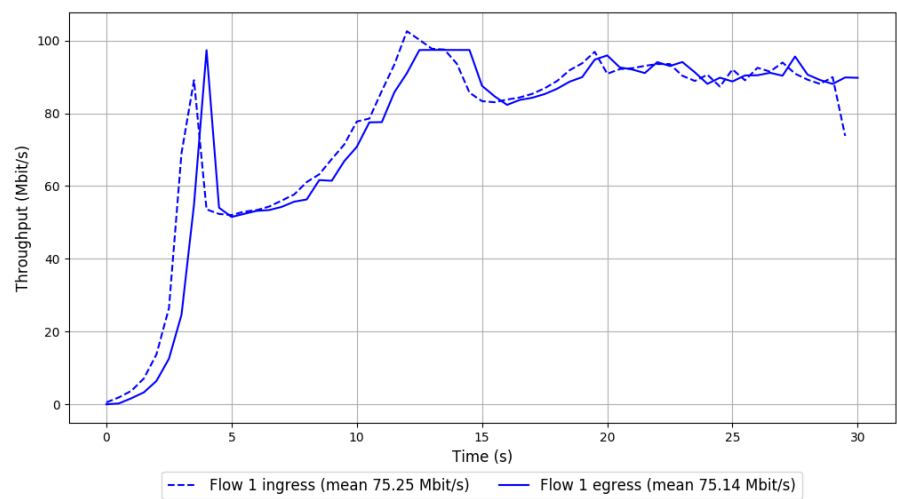
-- Flow 1:

Average throughput: 75.14 Mbit/s

95th percentile per-packet one-way delay: 111.189 ms

Loss rate: 0.15%

Run 4: Report of PCC-Vivace — Data Link



Run 5: Statistics of PCC-Vivace

Start at: 2019-03-18 21:17:45

End at: 2019-03-18 21:18:15

Local clock offset: -7.846 ms

Remote clock offset: 2.117 ms

Below is generated by plot.py at 2019-03-18 21:38:57

Datalink statistics

-- Total of 1 flow:

Average throughput: 73.01 Mbit/s

95th percentile per-packet one-way delay: 113.238 ms

Loss rate: 0.14%

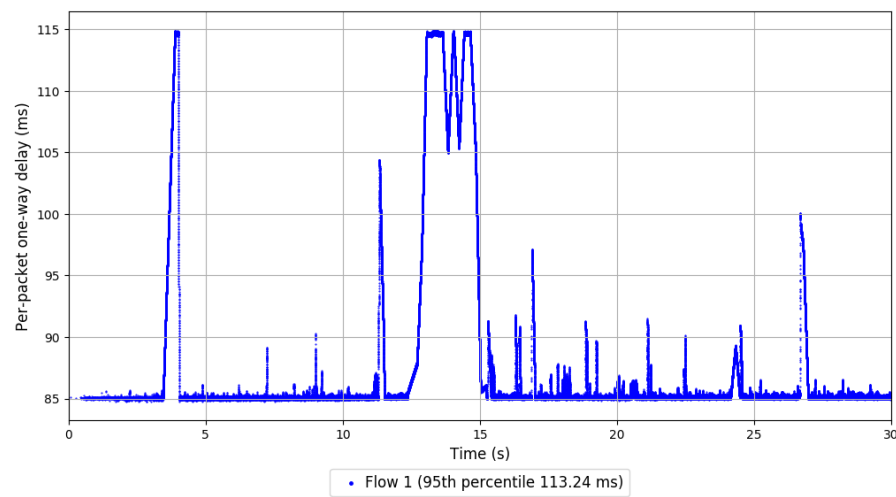
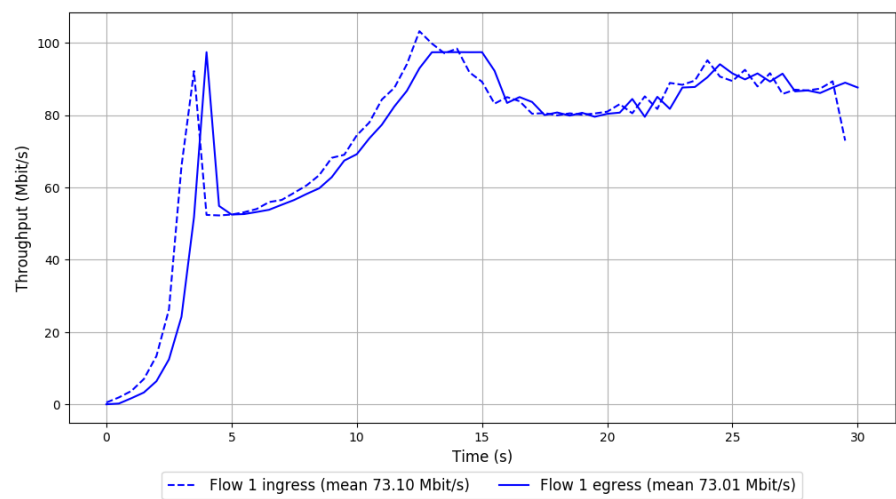
-- Flow 1:

Average throughput: 73.01 Mbit/s

95th percentile per-packet one-way delay: 113.238 ms

Loss rate: 0.14%

Run 5: Report of PCC-Vivace — Data Link



Run 1: Statistics of WebRTC media

Start at: 2019-03-18 19:34:29

End at: 2019-03-18 19:34:59

Local clock offset: -8.545 ms

Remote clock offset: 6.013 ms

Below is generated by plot.py at 2019-03-18 21:38:57

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.05 Mbit/s

95th percentile per-packet one-way delay: 84.848 ms

Loss rate: 0.00%

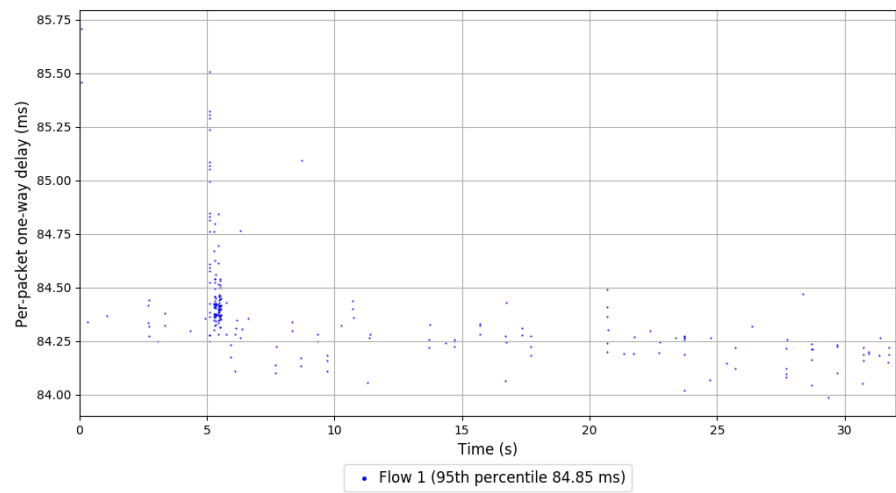
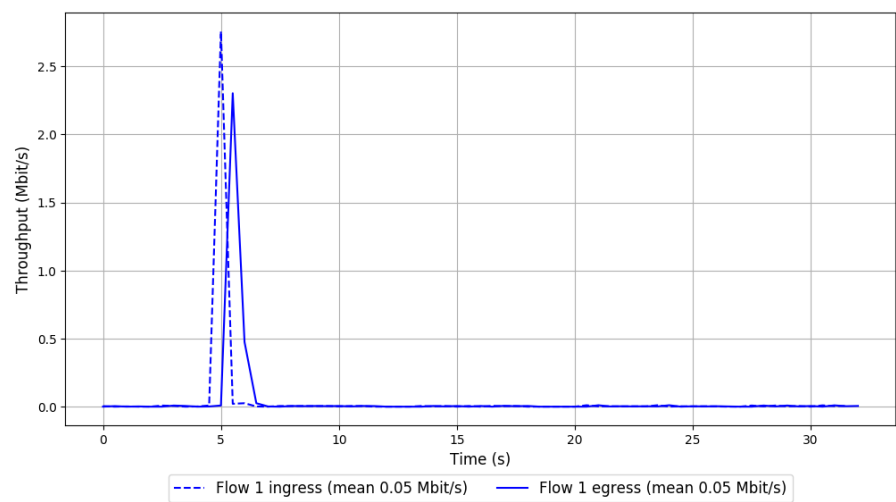
-- Flow 1:

Average throughput: 0.05 Mbit/s

95th percentile per-packet one-way delay: 84.848 ms

Loss rate: 0.00%

Run 1: Report of WebRTC media — Data Link



Run 2: Statistics of WebRTC media

Start at: 2019-03-18 19:59:13

End at: 2019-03-18 19:59:43

Local clock offset: -6.58 ms

Remote clock offset: 0.455 ms

Below is generated by plot.py at 2019-03-18 21:38:57

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.05 Mbit/s

95th percentile per-packet one-way delay: 81.368 ms

Loss rate: 0.00%

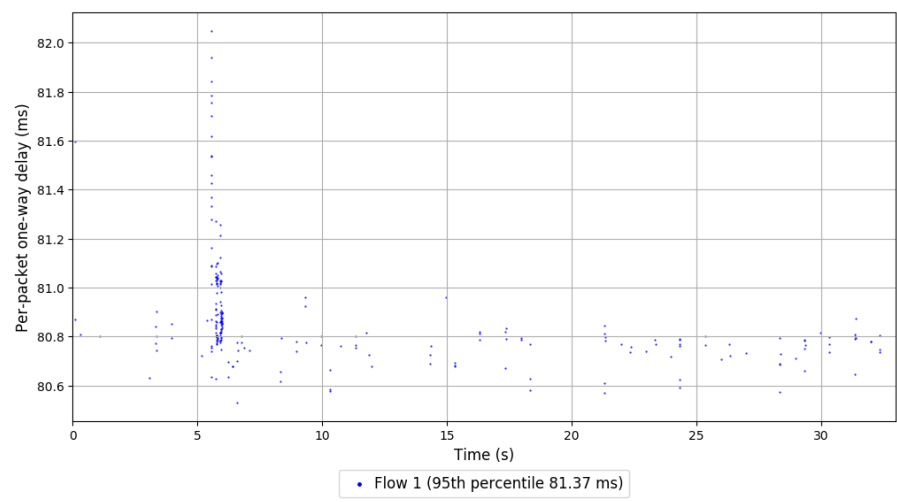
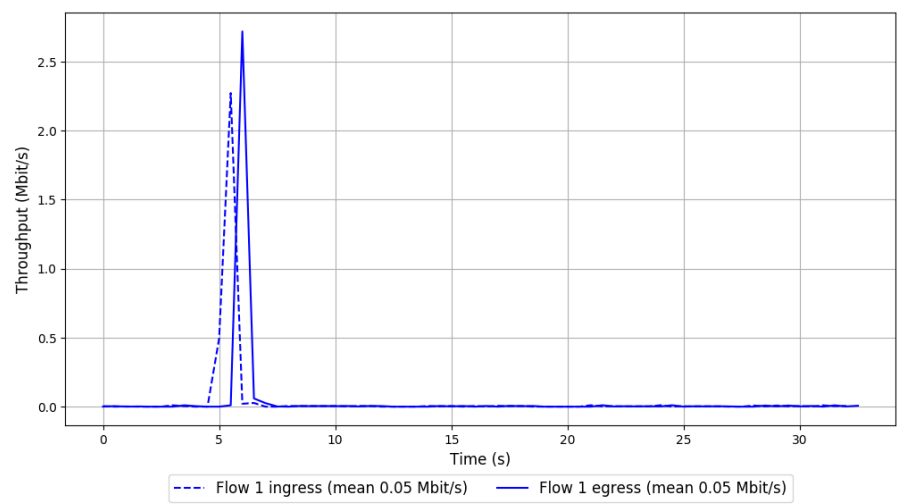
-- Flow 1:

Average throughput: 0.05 Mbit/s

95th percentile per-packet one-way delay: 81.368 ms

Loss rate: 0.00%

Run 2: Report of WebRTC media — Data Link



Run 3: Statistics of WebRTC media

Start at: 2019-03-18 20:24:30

End at: 2019-03-18 20:25:00

Local clock offset: -6.676 ms

Remote clock offset: -1.85 ms

Below is generated by plot.py at 2019-03-18 21:38:57

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.05 Mbit/s

95th percentile per-packet one-way delay: 78.161 ms

Loss rate: 0.00%

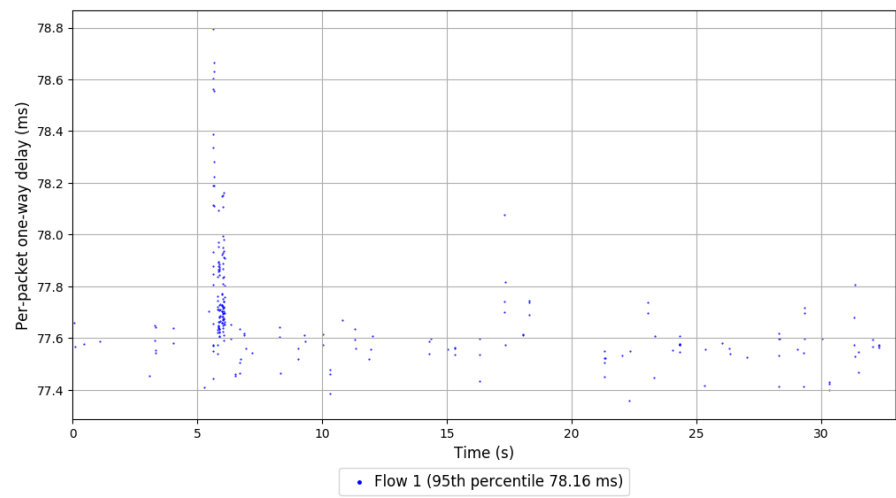
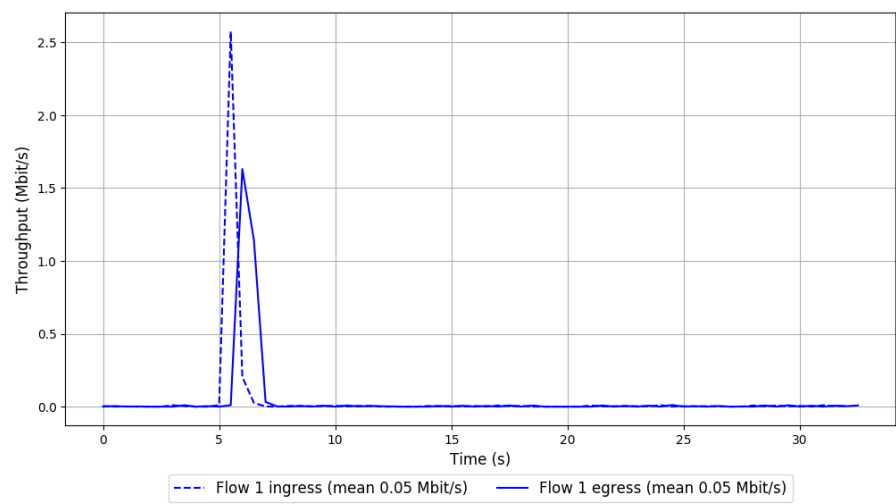
-- Flow 1:

Average throughput: 0.05 Mbit/s

95th percentile per-packet one-way delay: 78.161 ms

Loss rate: 0.00%

Run 3: Report of WebRTC media — Data Link



Run 4: Statistics of WebRTC media

Start at: 2019-03-18 20:49:34

End at: 2019-03-18 20:50:04

Local clock offset: -7.847 ms

Remote clock offset: 2.5 ms

Below is generated by plot.py at 2019-03-18 21:38:57

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.05 Mbit/s

95th percentile per-packet one-way delay: 84.636 ms

Loss rate: 0.00%

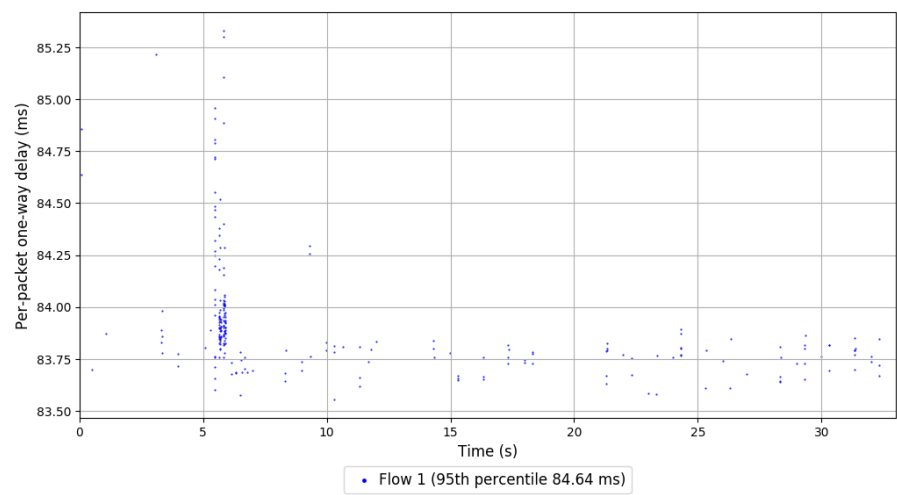
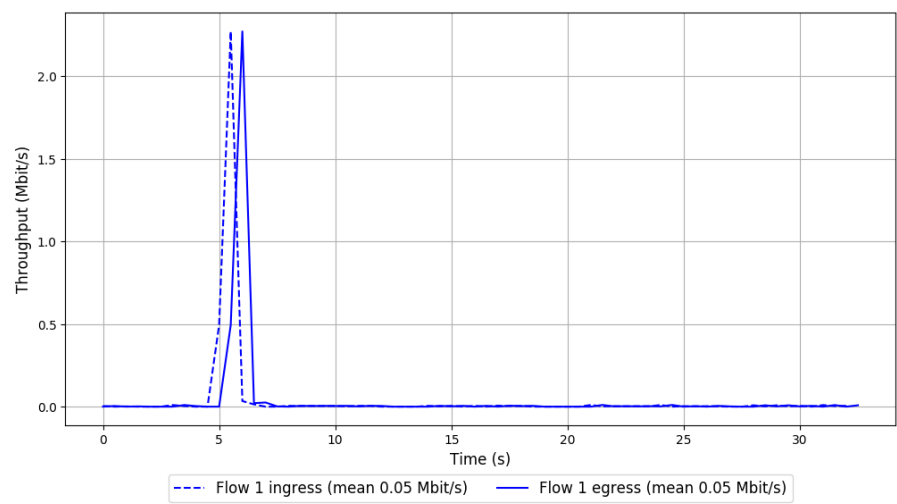
-- Flow 1:

Average throughput: 0.05 Mbit/s

95th percentile per-packet one-way delay: 84.636 ms

Loss rate: 0.00%

Run 4: Report of WebRTC media — Data Link



Run 5: Statistics of WebRTC media

Start at: 2019-03-18 21:14:15
End at: 2019-03-18 21:14:45
Local clock offset: -7.844 ms
Remote clock offset: -2.622 ms

Below is generated by plot.py at 2019-03-18 21:38:57
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 79.179 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 79.179 ms
Loss rate: 0.00%

Run 5: Report of WebRTC media — Data Link

