

Pantheon Report

Generated at 2019-03-09 09:49:20 (UTC).

Data path: Brazil on **p4p1** (*remote*) → AWS Brazil 1 on **ens5** (*local*).

Repeated the test of 21 congestion control schemes 5 times.

Each test lasted for 30 seconds running 1 flow.

NTP offsets were measured against **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	96.28	8.87	0.09
Copa	5	83.83	3.70	0.01
TCP Cubic	5	97.47	9.15	0.05
FillP	5	95.63	10.14	0.02
FillP-Sheep	5	94.38	6.17	0.02
Indigo	5	97.30	4.68	0.02
Indigo-MusesC3	5	88.79	3.87	0.01
Indigo-MusesC5	5	38.86	3.90	0.01
Indigo-MusesD	5	50.00	3.05	0.01
Indigo-MusesT	5	79.61	3.39	0.01
LEDBAT	5	95.96	10.42	0.09
PCC-Allegro	5	92.66	2.93	0.01
PCC-Expr	5	85.50	394.84	2.73
QUIC Cubic	5	90.04	5.51	0.02
SCReAM	5	0.22	2.01	0.03
Sprout	5	50.30	10.82	0.01
TaoVA-100x	5	87.75	1.92	0.01
TCP Vegas	5	96.60	2.92	0.01
Verus	5	51.77	27.04	0.02
PCC-Vivace	5	88.91	2.01	0.01
WebRTC media	5	2.36	2.56	0.01

Run 1: Statistics of TCP BBR

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

End at: 2019-03-09 07:47:33

Local clock offset: -5.253 ms

Remote clock offset: -0.313 ms

Below is generated by plot.py at 2019-03-09 09:36:39

Datalink statistics

-- Total of 1 flow:

Average throughput: 96.28 Mbit/s

95th percentile per-packet one-way delay: 8.953 ms

Loss rate: 0.12%

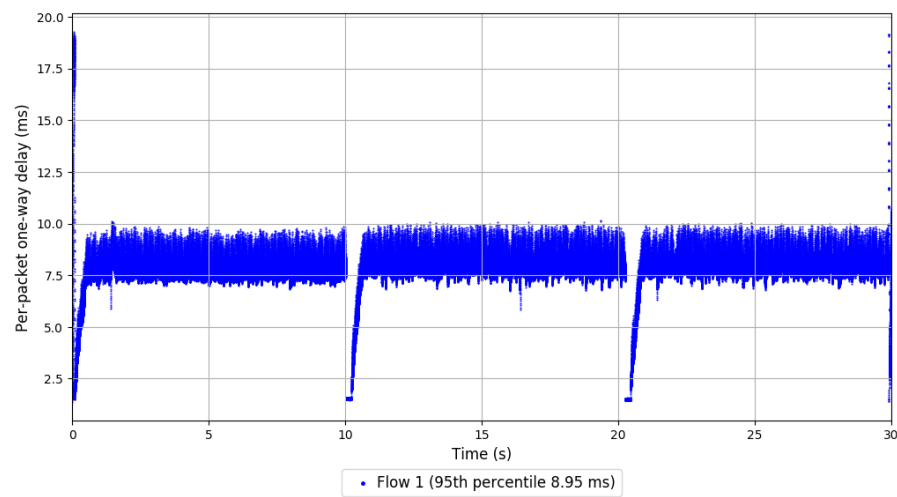
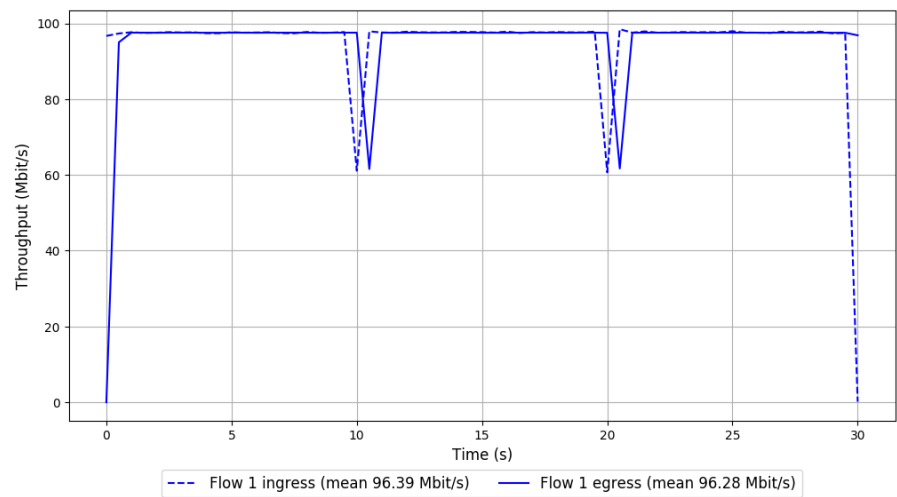
-- Flow 1:

Average throughput: 96.28 Mbit/s

95th percentile per-packet one-way delay: 8.953 ms

Loss rate: 0.12%

Run 1: Report of TCP BBR — Data Link



Run 2: Statistics of TCP BBR

Start at: 2019-03-09 08:10:46

End at: 2019-03-09 08:11:16

Local clock offset: -2.59 ms

Remote clock offset: 0.021 ms

Below is generated by plot.py at 2019-03-09 09:36:39

Datalink statistics

-- Total of 1 flow:

Average throughput: 96.28 Mbit/s

95th percentile per-packet one-way delay: 9.013 ms

Loss rate: 0.11%

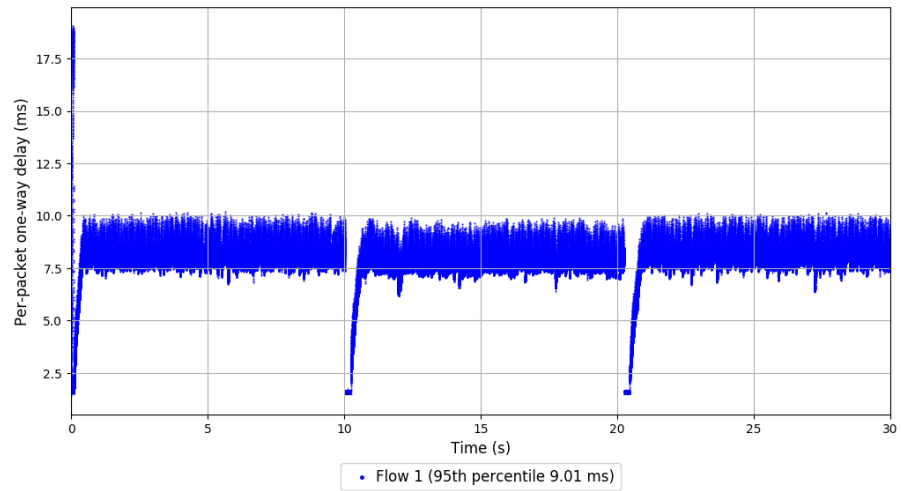
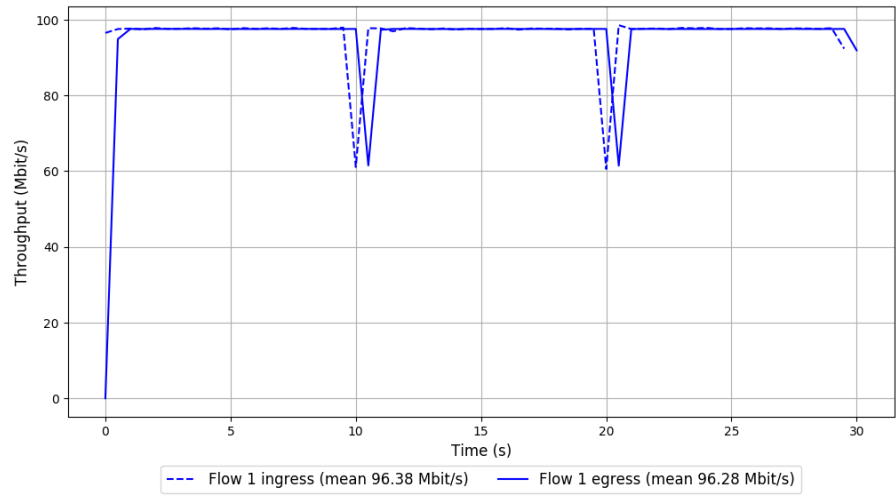
-- Flow 1:

Average throughput: 96.28 Mbit/s

95th percentile per-packet one-way delay: 9.013 ms

Loss rate: 0.11%

Run 2: Report of TCP BBR — Data Link



Run 3: Statistics of TCP BBR

Start at: 2019-03-09 08:34:29

End at: 2019-03-09 08:34:59

Local clock offset: -6.545 ms

Remote clock offset: 0.146 ms

Below is generated by plot.py at 2019-03-09 09:36:39

Datalink statistics

-- Total of 1 flow:

Average throughput: 96.34 Mbit/s

95th percentile per-packet one-way delay: 8.700 ms

Loss rate: 0.03%

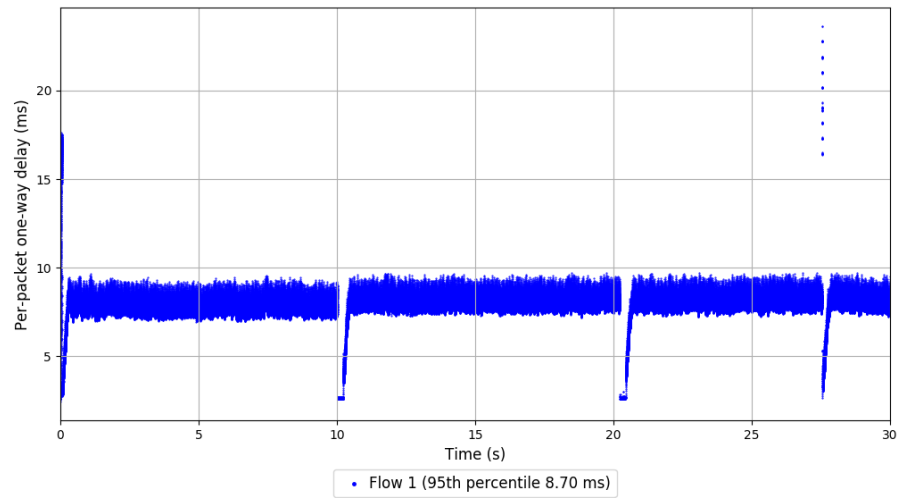
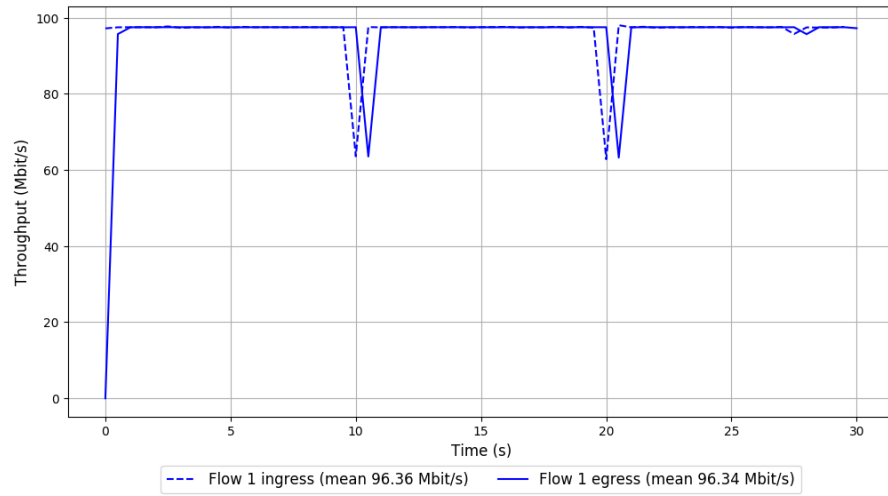
-- Flow 1:

Average throughput: 96.34 Mbit/s

95th percentile per-packet one-way delay: 8.700 ms

Loss rate: 0.03%

Run 3: Report of TCP BBR — Data Link



Run 4: Statistics of TCP BBR

Start at: 2019-03-09 08:58:11

End at: 2019-03-09 08:58:41

Local clock offset: -5.614 ms

Remote clock offset: 0.404 ms

Below is generated by plot.py at 2019-03-09 09:36:39

Datalink statistics

-- Total of 1 flow:

Average throughput: 96.32 Mbit/s

95th percentile per-packet one-way delay: 8.460 ms

Loss rate: 0.03%

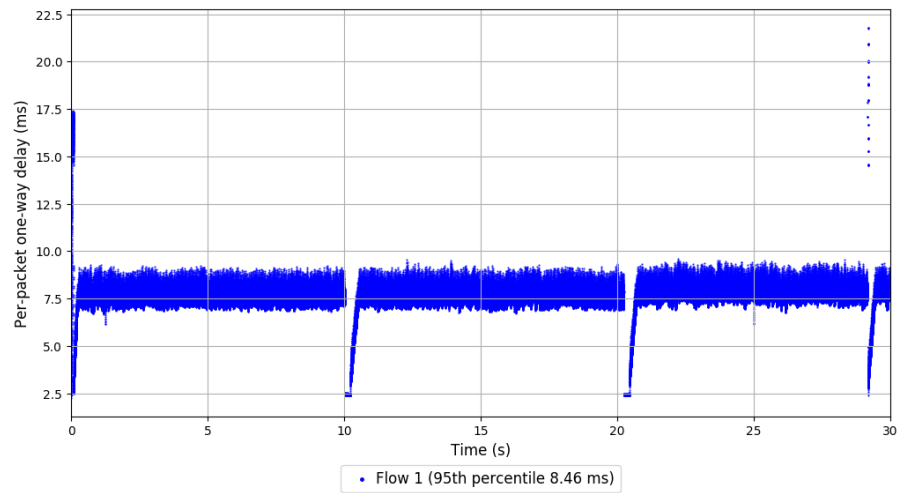
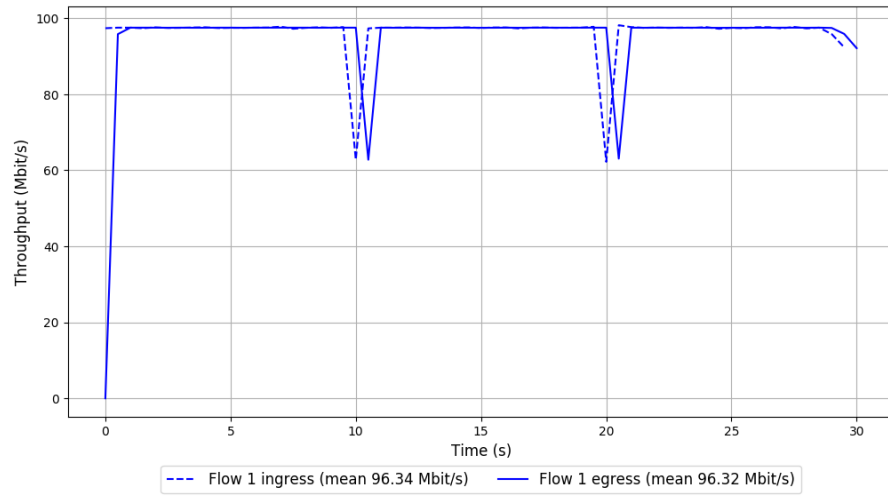
-- Flow 1:

Average throughput: 96.32 Mbit/s

95th percentile per-packet one-way delay: 8.460 ms

Loss rate: 0.03%

Run 4: Report of TCP BBR — Data Link



Run 5: Statistics of TCP BBR

Start at: 2019-03-09 09:21:52

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

Local clock offset: -6.075 ms

Remote clock offset: 0.559 ms

Below is generated by plot.py at 2019-03-09 09:36:39

Datalink statistics

-- Total of 1 flow:

Average throughput: 96.20 Mbit/s

95th percentile per-packet one-way delay: 9.233 ms

Loss rate: 0.14%

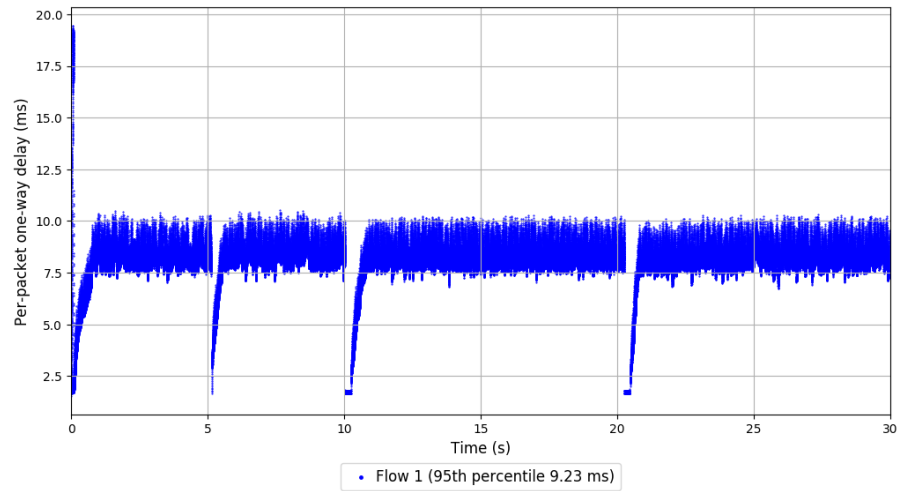
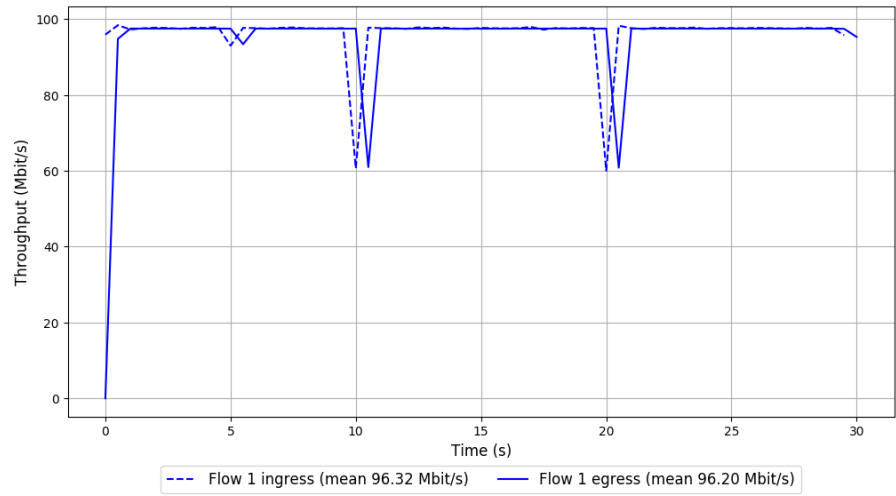
-- Flow 1:

Average throughput: 96.20 Mbit/s

95th percentile per-packet one-way delay: 9.233 ms

Loss rate: 0.14%

Run 5: Report of TCP BBR — Data Link

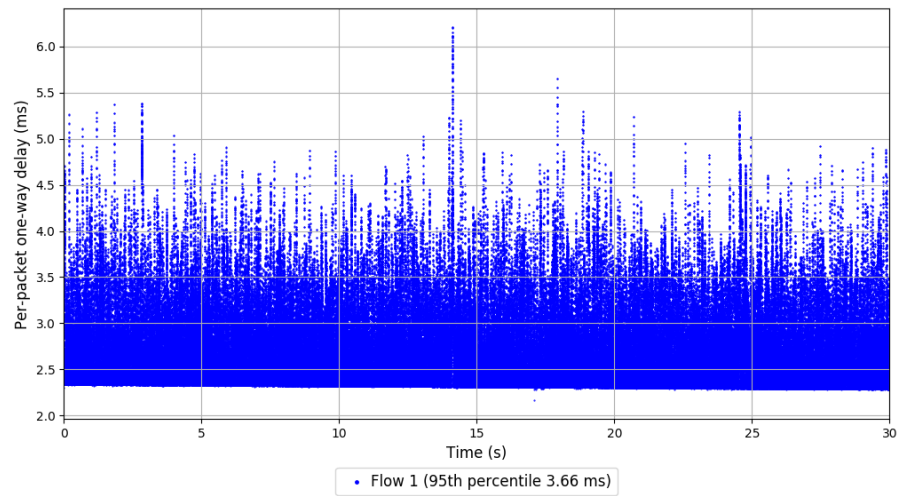
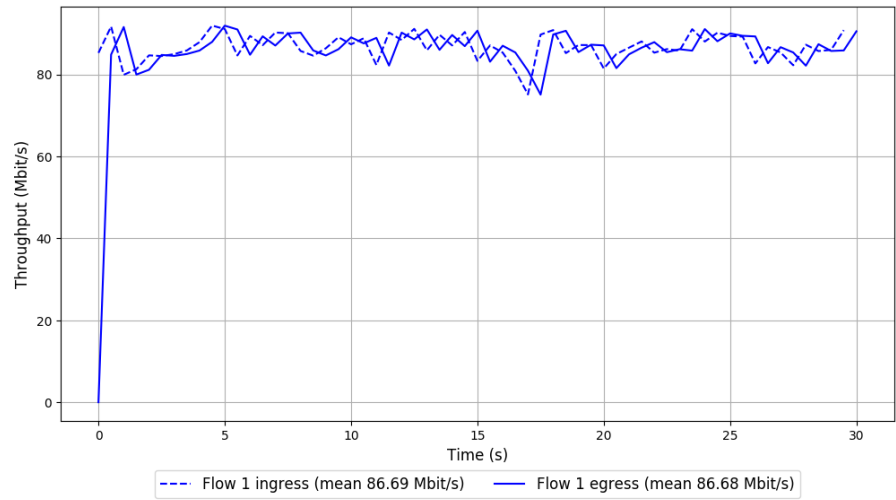


Run 1: Statistics of Copa

Start at: 2019-03-09 07:54:54
End at: 2019-03-09 07:55:24
Local clock offset: -3.055 ms
Remote clock offset: -0.229 ms

Below is generated by plot.py at 2019-03-09 09:37:33
Datalink statistics
-- Total of 1 flow:
Average throughput: 86.68 Mbit/s
95th percentile per-packet one-way delay: 3.664 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 86.68 Mbit/s
95th percentile per-packet one-way delay: 3.664 ms
Loss rate: 0.02%

Run 1: Report of Copa — Data Link

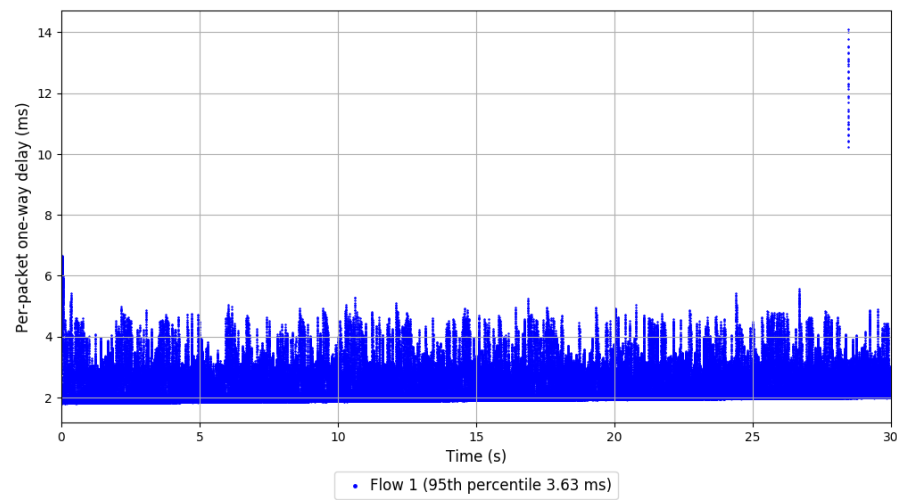
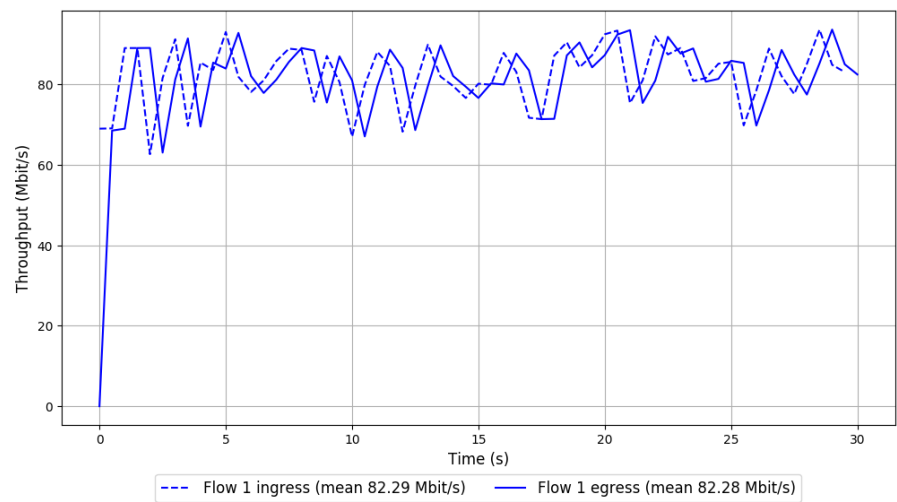


Run 2: Statistics of Copa

Start at: 2019-03-09 08:18:35
End at: 2019-03-09 08:19:05
Local clock offset: -4.42 ms
Remote clock offset: 0.06 ms

Below is generated by plot.py at 2019-03-09 09:37:33
Datalink statistics
-- Total of 1 flow:
Average throughput: 82.28 Mbit/s
95th percentile per-packet one-way delay: 3.628 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 82.28 Mbit/s
95th percentile per-packet one-way delay: 3.628 ms
Loss rate: 0.02%

Run 2: Report of Copa — Data Link

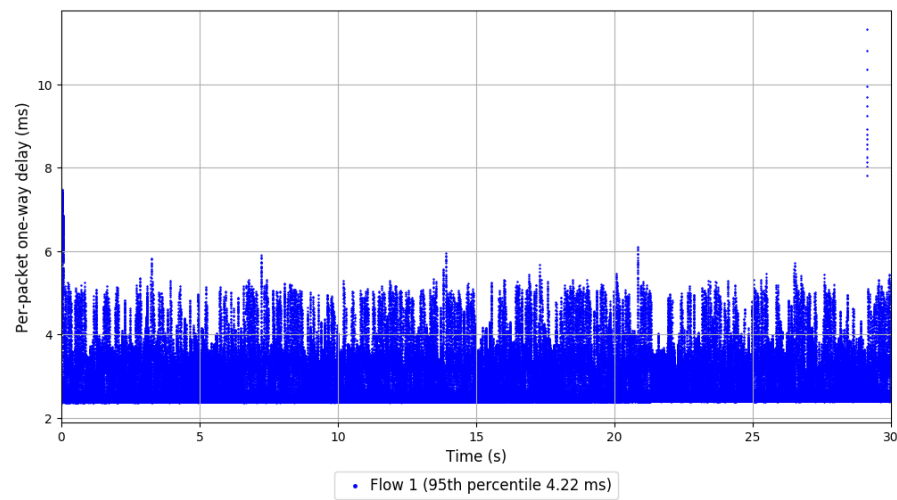
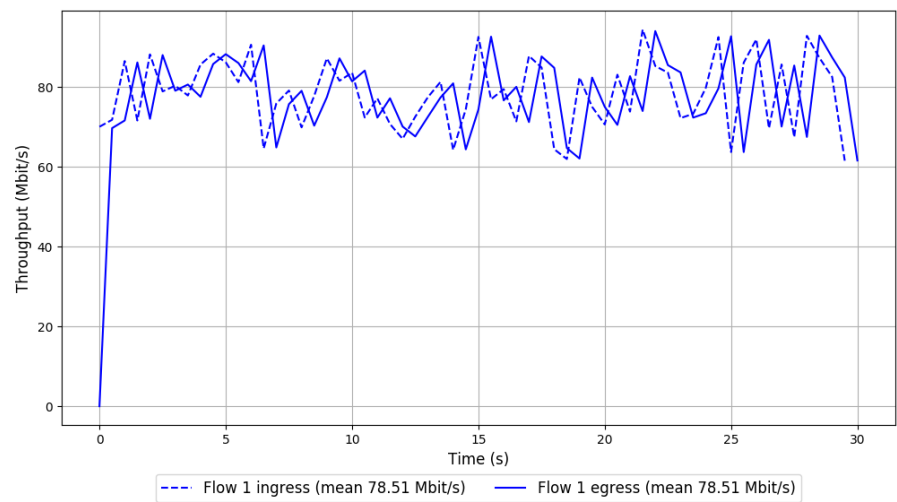


Run 3: Statistics of Copa

Start at: 2019-03-09 08:42:18
End at: 2019-03-09 08:42:48
Local clock offset: -7.034 ms
Remote clock offset: 0.354 ms

Below is generated by plot.py at 2019-03-09 09:37:33
Datalink statistics
-- Total of 1 flow:
Average throughput: 78.51 Mbit/s
95th percentile per-packet one-way delay: 4.225 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 78.51 Mbit/s
95th percentile per-packet one-way delay: 4.225 ms
Loss rate: 0.01%

Run 3: Report of Copa — Data Link

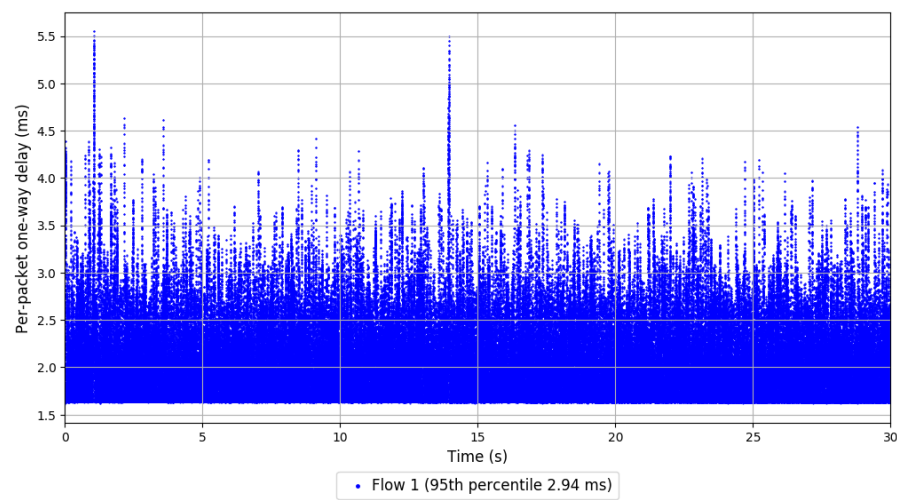
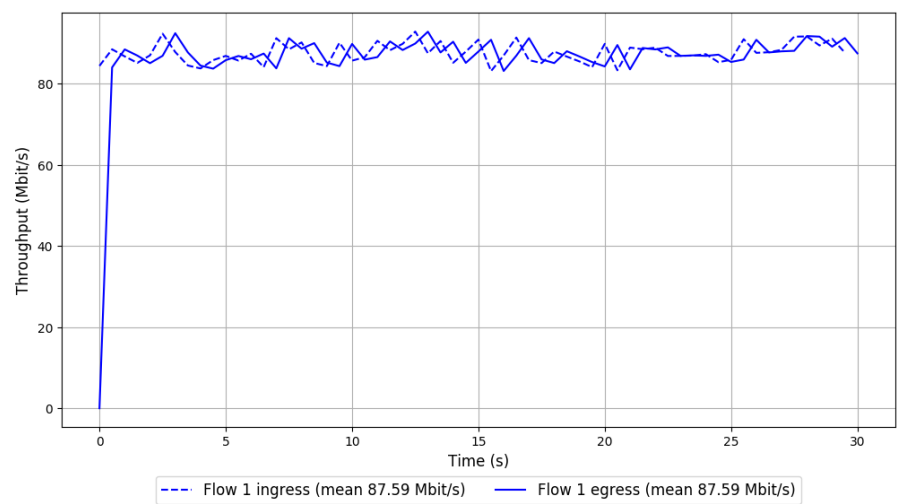


Run 4: Statistics of Copa

Start at: 2019-03-09 09:06:00
End at: 2019-03-09 09:06:30
Local clock offset: -6.175 ms
Remote clock offset: 0.458 ms

Below is generated by plot.py at 2019-03-09 09:38:35
Datalink statistics
-- Total of 1 flow:
Average throughput: 87.59 Mbit/s
95th percentile per-packet one-way delay: 2.938 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 87.59 Mbit/s
95th percentile per-packet one-way delay: 2.938 ms
Loss rate: 0.01%

Run 4: Report of Copa — Data Link



Run 5: Statistics of Copa

Start at: 2019-03-09 09:29:42

End at: 2019-03-09 09:30:12

Local clock offset: -5.37 ms

Remote clock offset: 0.621 ms

Below is generated by plot.py at 2019-03-09 09:38:35

Datalink statistics

-- Total of 1 flow:

Average throughput: 84.08 Mbit/s

95th percentile per-packet one-way delay: 4.070 ms

Loss rate: 0.01%

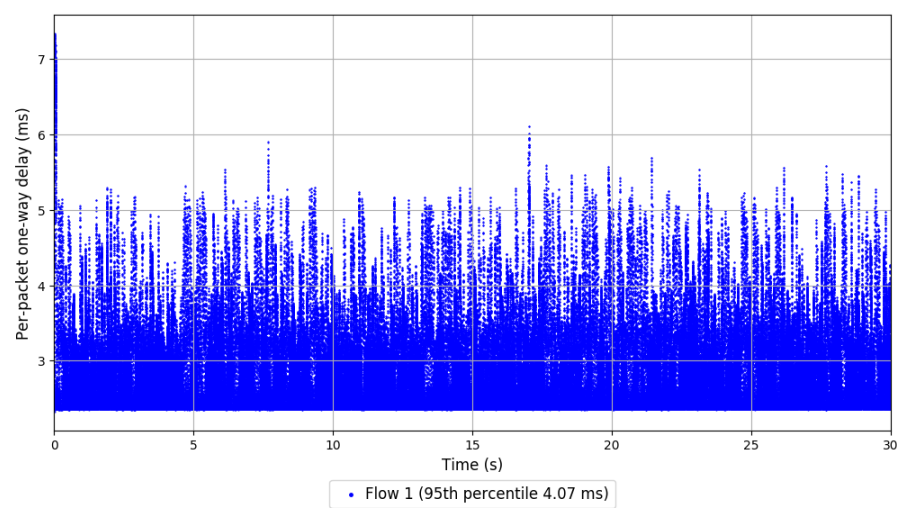
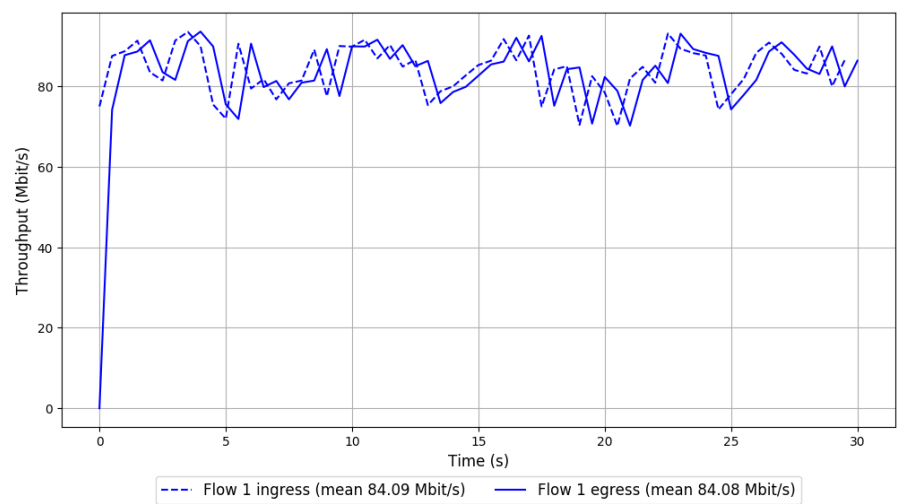
-- Flow 1:

Average throughput: 84.08 Mbit/s

95th percentile per-packet one-way delay: 4.070 ms

Loss rate: 0.01%

Run 5: Report of Copa — Data Link

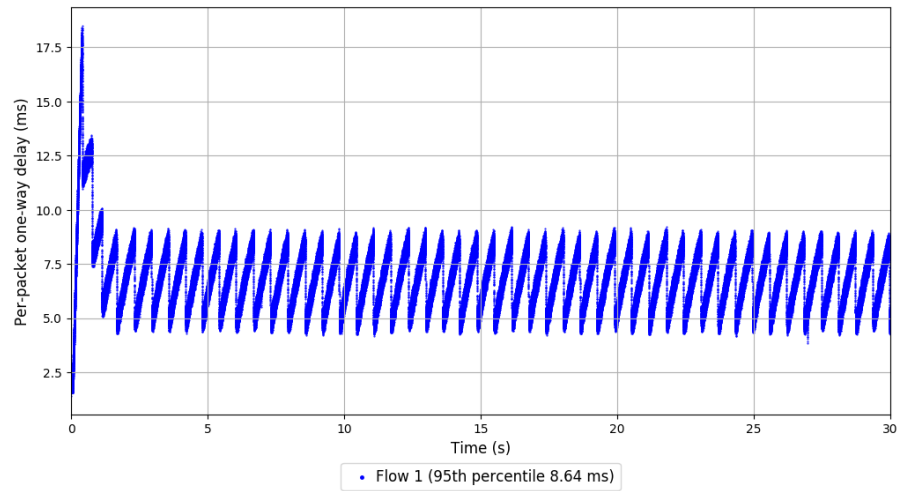
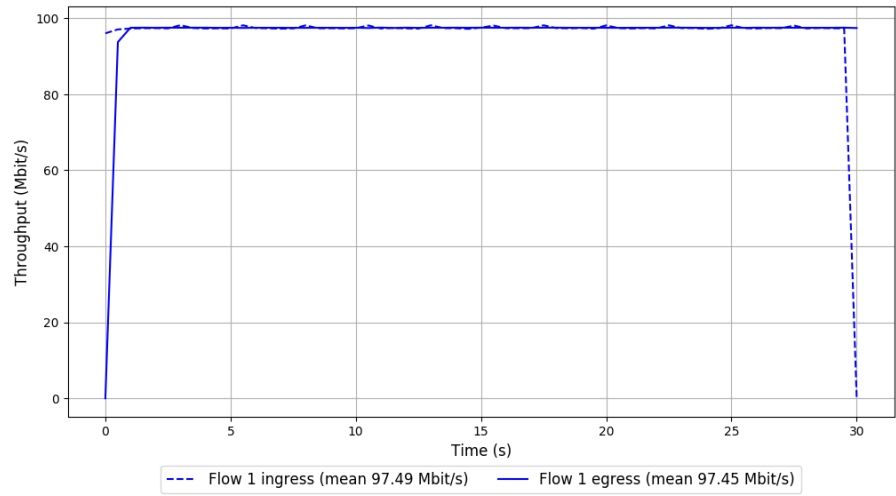


Run 1: Statistics of TCP Cubic

Start at: 2019-03-09 07:58:19
End at: 2019-03-09 07:58:49
Local clock offset: -3.411 ms
Remote clock offset: -0.117 ms

Below is generated by plot.py at 2019-03-09 09:38:35
Datalink statistics
-- Total of 1 flow:
Average throughput: 97.45 Mbit/s
95th percentile per-packet one-way delay: 8.645 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 97.45 Mbit/s
95th percentile per-packet one-way delay: 8.645 ms
Loss rate: 0.04%

Run 1: Report of TCP Cubic — Data Link



Run 2: Statistics of TCP Cubic

Start at: 2019-03-09 08:22:01

End at: 2019-03-09 08:22:31

Local clock offset: -5.423 ms

Remote clock offset: 0.119 ms

Below is generated by plot.py at 2019-03-09 09:38:35

Datalink statistics

-- Total of 1 flow:

Average throughput: 97.47 Mbit/s

95th percentile per-packet one-way delay: 9.030 ms

Loss rate: 0.05%

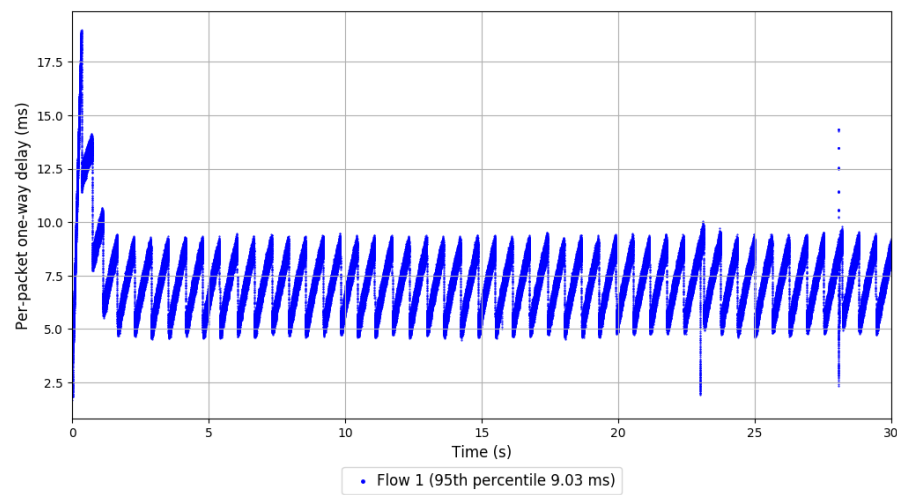
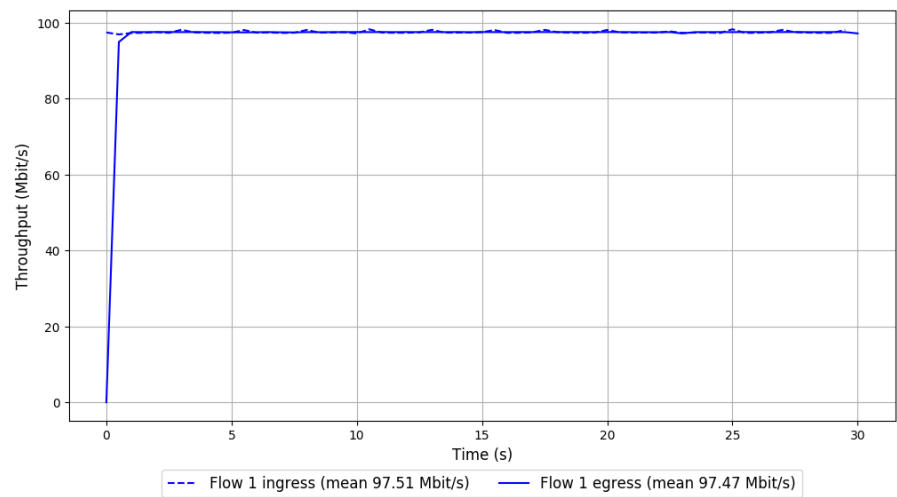
-- Flow 1:

Average throughput: 97.47 Mbit/s

95th percentile per-packet one-way delay: 9.030 ms

Loss rate: 0.05%

Run 2: Report of TCP Cubic — Data Link



Run 3: Statistics of TCP Cubic

Start at: 2019-03-09 08:45:43

End at: 2019-03-09 08:46:13

Local clock offset: -6.84 ms

Remote clock offset: 0.381 ms

Below is generated by plot.py at 2019-03-09 09:38:35

Datalink statistics

-- Total of 1 flow:

Average throughput: 97.46 Mbit/s

95th percentile per-packet one-way delay: 9.453 ms

Loss rate: 0.06%

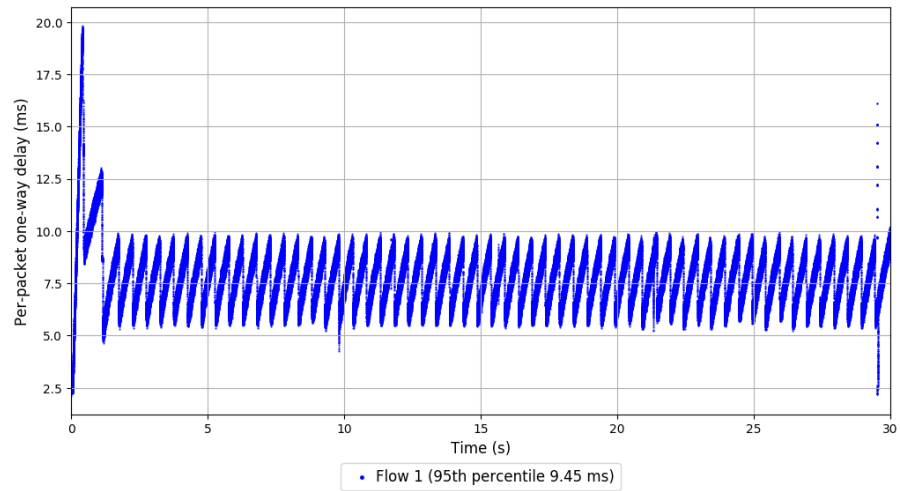
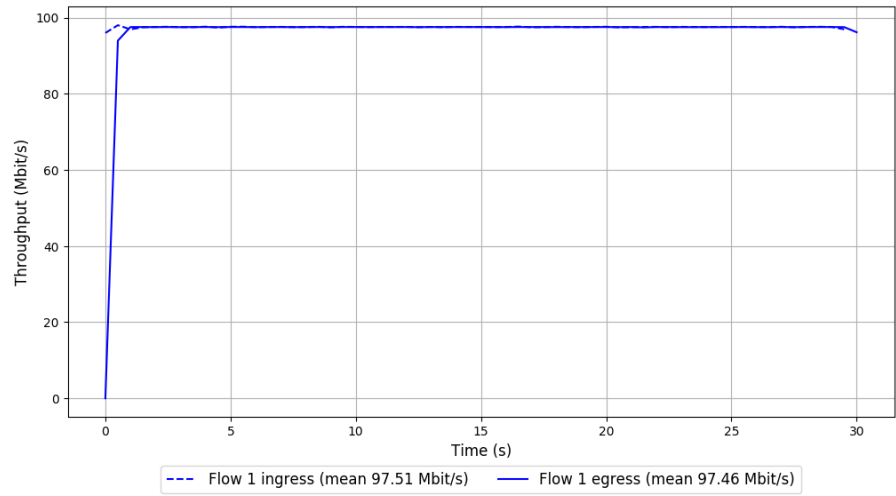
-- Flow 1:

Average throughput: 97.46 Mbit/s

95th percentile per-packet one-way delay: 9.453 ms

Loss rate: 0.06%

Run 3: Report of TCP Cubic — Data Link



Run 4: Statistics of TCP Cubic

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

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

Local clock offset: -6.141 ms

Remote clock offset: 0.479 ms

Below is generated by plot.py at 2019-03-09 09:38:35

Datalink statistics

-- Total of 1 flow:

Average throughput: 97.49 Mbit/s

95th percentile per-packet one-way delay: 8.945 ms

Loss rate: 0.06%

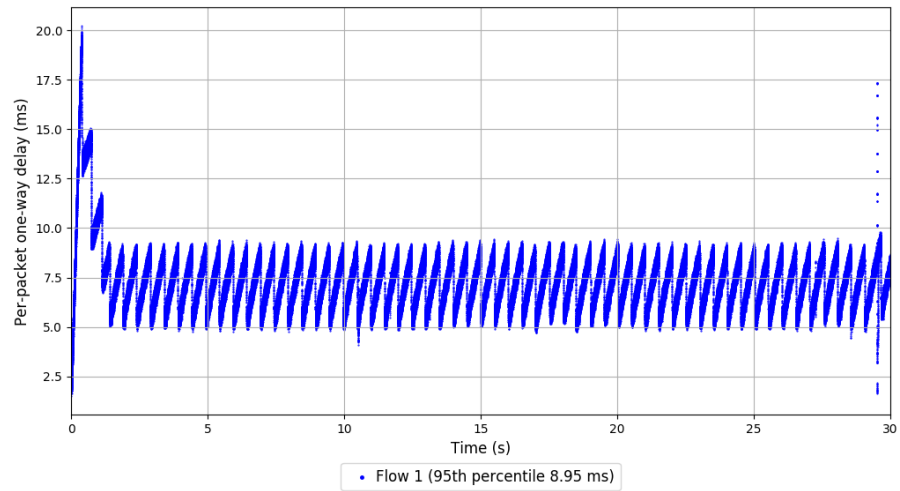
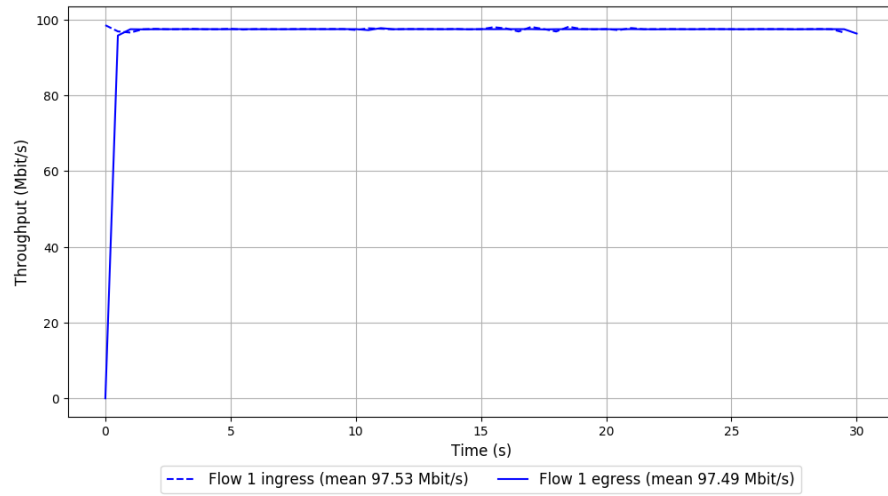
-- Flow 1:

Average throughput: 97.49 Mbit/s

95th percentile per-packet one-way delay: 8.945 ms

Loss rate: 0.06%

Run 4: Report of TCP Cubic — Data Link



Run 5: Statistics of TCP Cubic

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

End at: 2019-03-09 09:33:38

Local clock offset: -5.313 ms

Remote clock offset: 0.642 ms

Below is generated by plot.py at 2019-03-09 09:38:35

Datalink statistics

-- Total of 1 flow:

Average throughput: 97.46 Mbit/s

95th percentile per-packet one-way delay: 9.682 ms

Loss rate: 0.05%

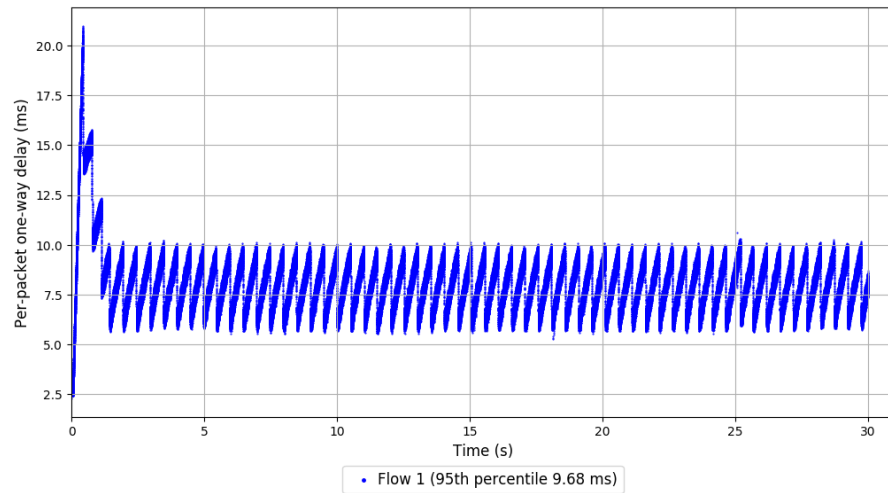
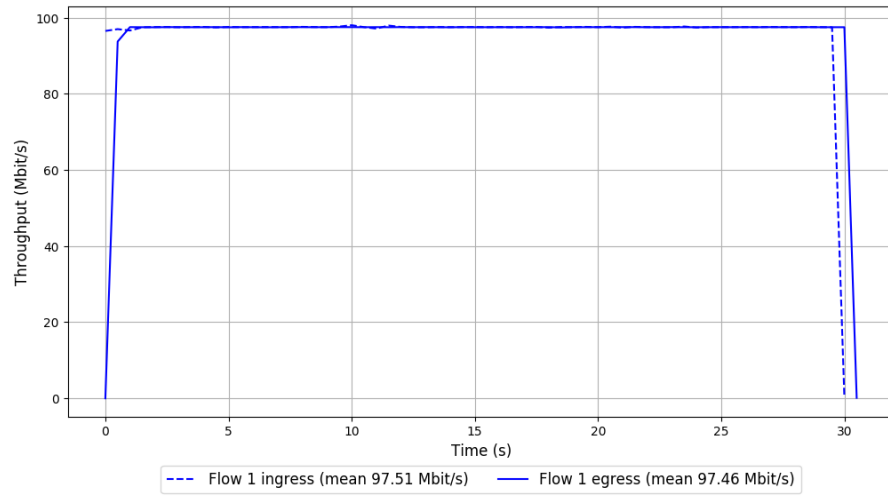
-- Flow 1:

Average throughput: 97.46 Mbit/s

95th percentile per-packet one-way delay: 9.682 ms

Loss rate: 0.05%

Run 5: Report of TCP Cubic — Data Link

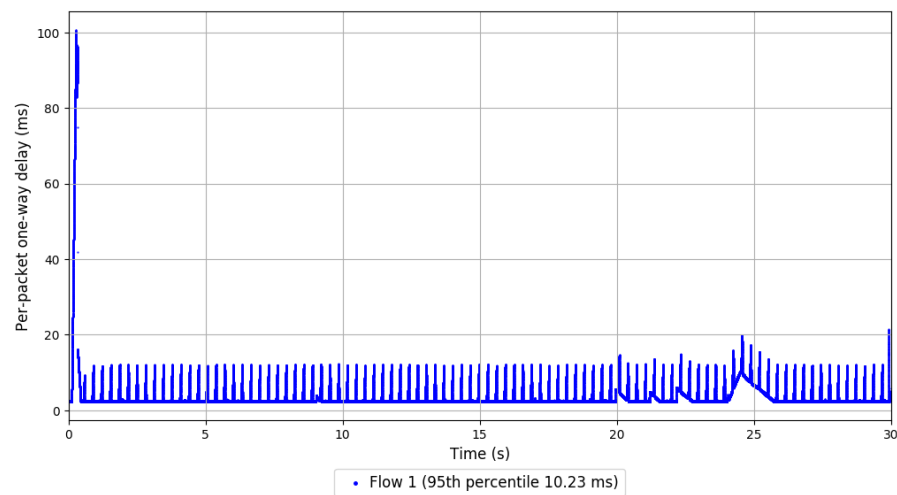
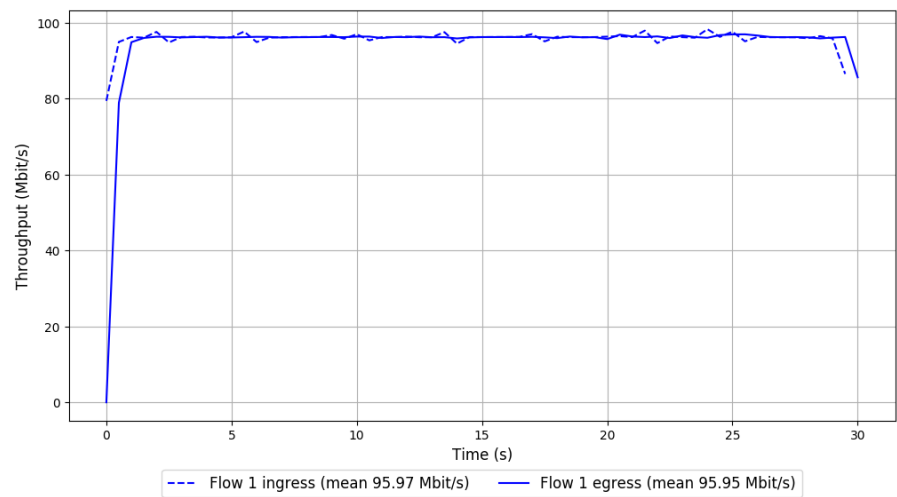


Run 1: Statistics of FillP

Start at: 2019-03-09 07:36:53
End at: 2019-03-09 07:37:23
Local clock offset: -5.422 ms
Remote clock offset: -0.539 ms

Below is generated by plot.py at 2019-03-09 09:38:57
Datalink statistics
-- Total of 1 flow:
Average throughput: 95.95 Mbit/s
95th percentile per-packet one-way delay: 10.231 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 95.95 Mbit/s
95th percentile per-packet one-way delay: 10.231 ms
Loss rate: 0.03%

Run 1: Report of FillP — Data Link

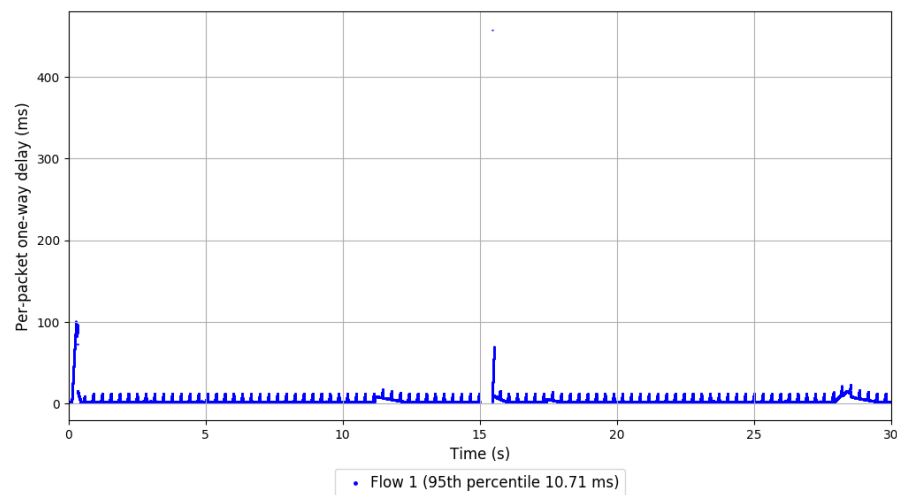
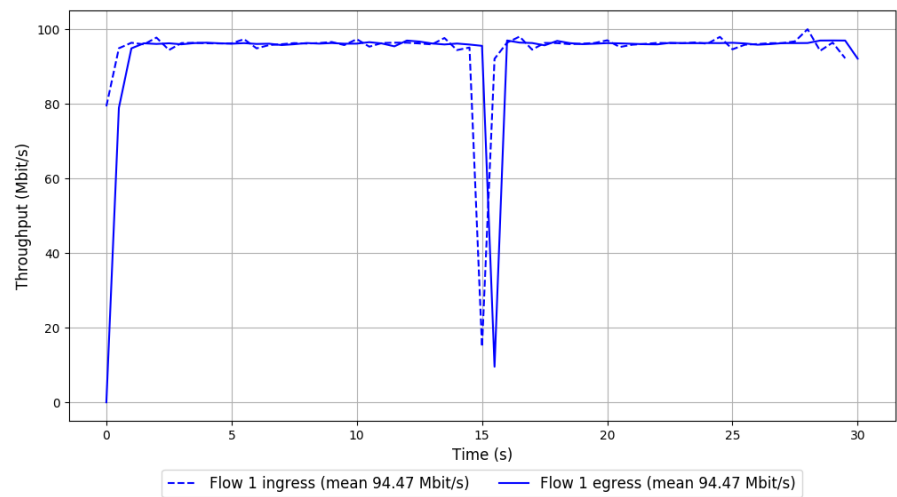


Run 2: Statistics of FillP

Start at: 2019-03-09 08:00:35
End at: 2019-03-09 08:01:05
Local clock offset: -2.458 ms
Remote clock offset: -0.119 ms

Below is generated by plot.py at 2019-03-09 09:39:06
Datalink statistics
-- Total of 1 flow:
Average throughput: 94.47 Mbit/s
95th percentile per-packet one-way delay: 10.708 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 94.47 Mbit/s
95th percentile per-packet one-way delay: 10.708 ms
Loss rate: 0.01%

Run 2: Report of FillP — Data Link



Run 3: Statistics of FillP

Start at: 2019-03-09 08:24:17

End at: 2019-03-09 08:24:47

Local clock offset: -5.286 ms

Remote clock offset: 0.168 ms

Below is generated by plot.py at 2019-03-09 09:39:08

Datalink statistics

-- Total of 1 flow:

Average throughput: 95.90 Mbit/s

95th percentile per-packet one-way delay: 10.024 ms

Loss rate: 0.03%

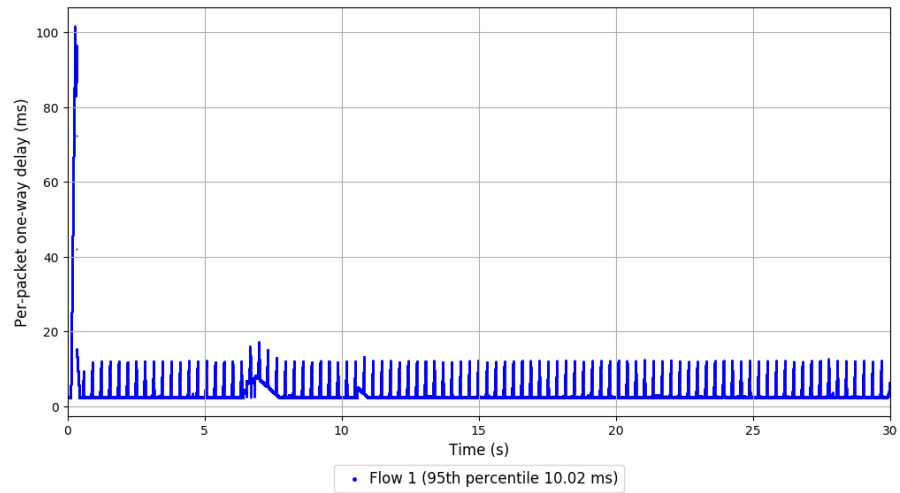
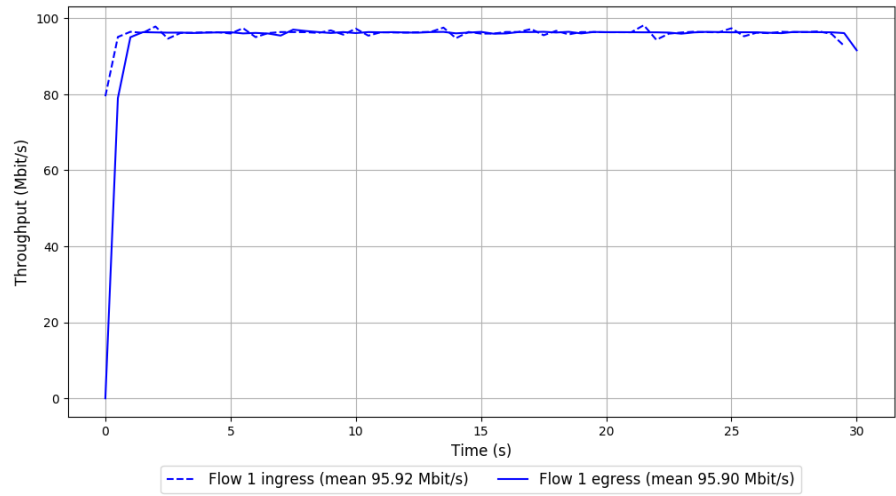
-- Flow 1:

Average throughput: 95.90 Mbit/s

95th percentile per-packet one-way delay: 10.024 ms

Loss rate: 0.03%

Run 3: Report of FillP — Data Link



Run 4: Statistics of FillP

Start at: 2019-03-09 08:47:59

End at: 2019-03-09 08:48:29

Local clock offset: -6.475 ms

Remote clock offset: 0.342 ms

Below is generated by plot.py at 2019-03-09 09:39:08

Datalink statistics

-- Total of 1 flow:

Average throughput: 95.92 Mbit/s

95th percentile per-packet one-way delay: 9.855 ms

Loss rate: 0.01%

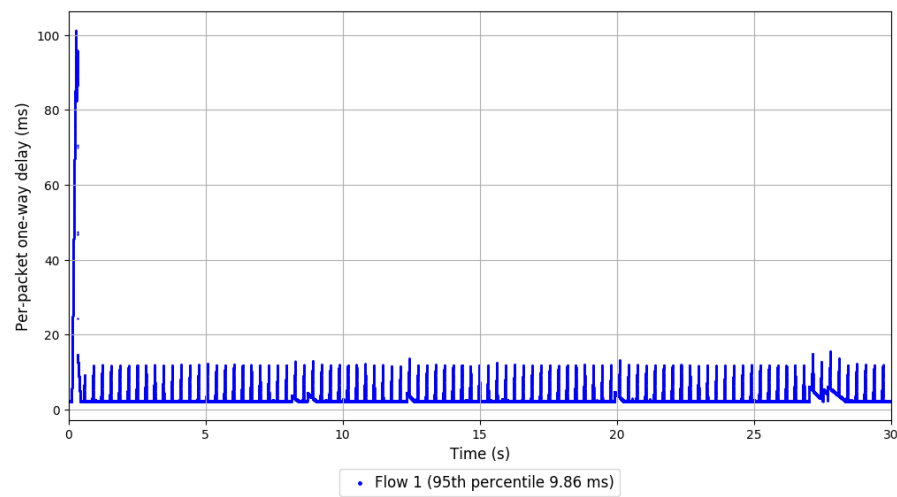
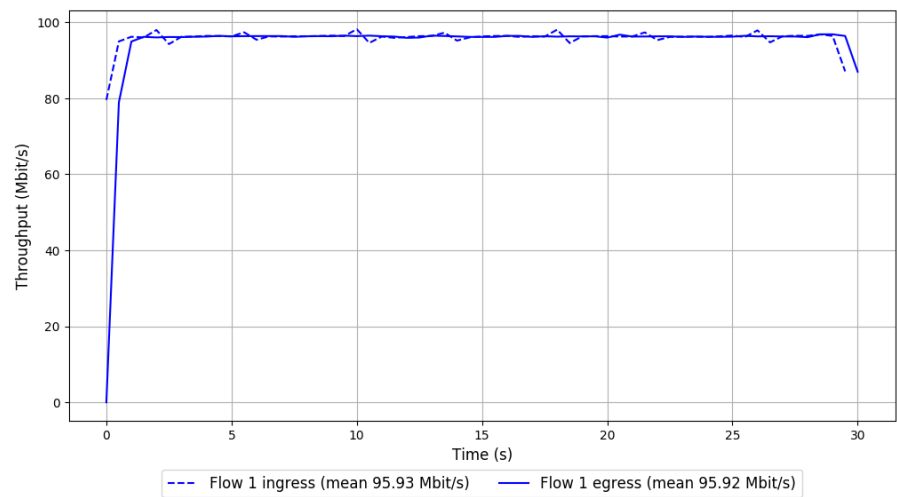
-- Flow 1:

Average throughput: 95.92 Mbit/s

95th percentile per-packet one-way delay: 9.855 ms

Loss rate: 0.01%

Run 4: Report of FillP — Data Link



Run 5: Statistics of FillP

Start at: 2019-03-09 09:11:42

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

Local clock offset: -5.43 ms

Remote clock offset: 0.51 ms

Below is generated by plot.py at 2019-03-09 09:39:46

Datalink statistics

-- Total of 1 flow:

Average throughput: 95.93 Mbit/s

95th percentile per-packet one-way delay: 9.895 ms

Loss rate: 0.03%

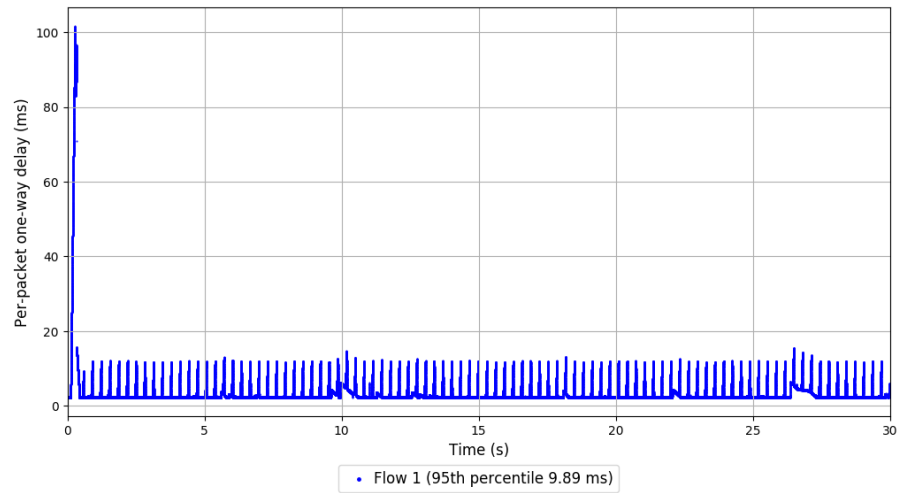
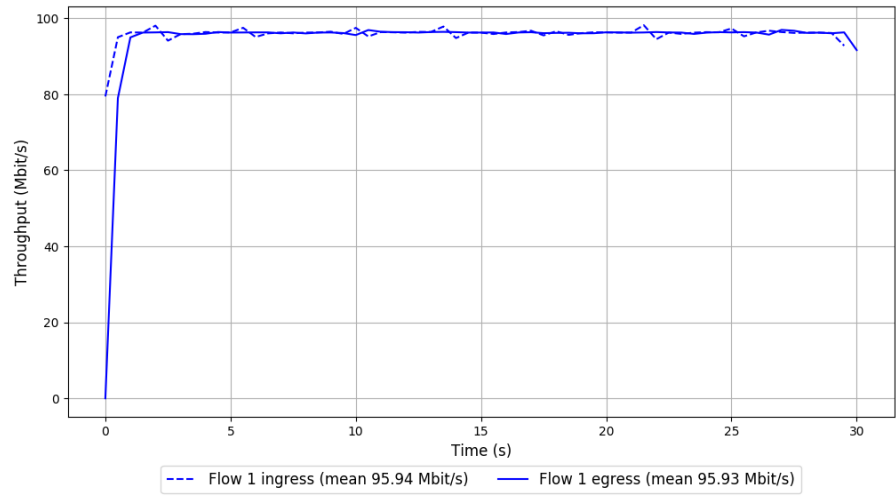
-- Flow 1:

Average throughput: 95.93 Mbit/s

95th percentile per-packet one-way delay: 9.895 ms

Loss rate: 0.03%

Run 5: Report of FillP — Data Link

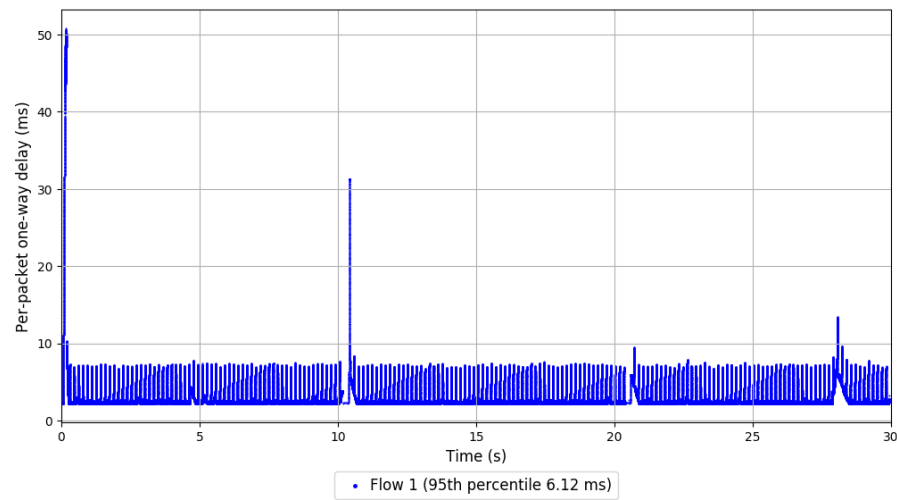
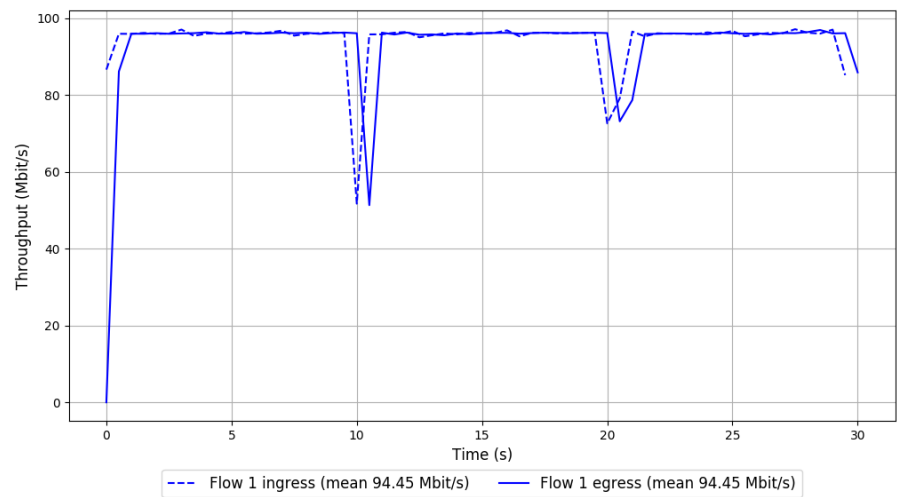


Run 1: Statistics of FillP-Sheep

Start at: 2019-03-09 07:57:12
End at: 2019-03-09 07:57:42
Local clock offset: -2.768 ms
Remote clock offset: -0.177 ms

Below is generated by plot.py at 2019-03-09 09:39:49
Datalink statistics
-- Total of 1 flow:
Average throughput: 94.45 Mbit/s
95th percentile per-packet one-way delay: 6.118 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 94.45 Mbit/s
95th percentile per-packet one-way delay: 6.118 ms
Loss rate: 0.01%

Run 1: Report of FillP-Sheep — Data Link

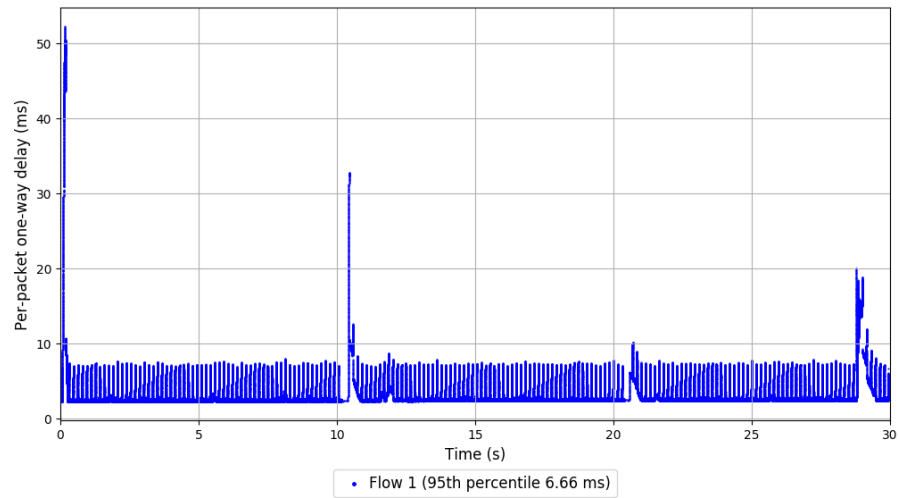
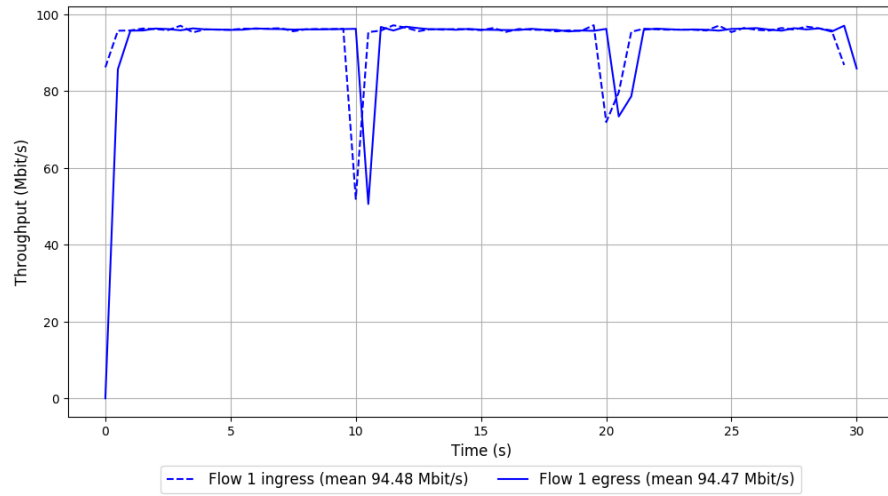


Run 2: Statistics of FillP-Sheep

Start at: 2019-03-09 08:20:53
End at: 2019-03-09 08:21:23
Local clock offset: -4.482 ms
Remote clock offset: 0.154 ms

Below is generated by plot.py at 2019-03-09 09:39:49
Datalink statistics
-- Total of 1 flow:
Average throughput: 94.47 Mbit/s
95th percentile per-packet one-way delay: 6.663 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 94.47 Mbit/s
95th percentile per-packet one-way delay: 6.663 ms
Loss rate: 0.03%

Run 2: Report of FillP-Sheep — Data Link

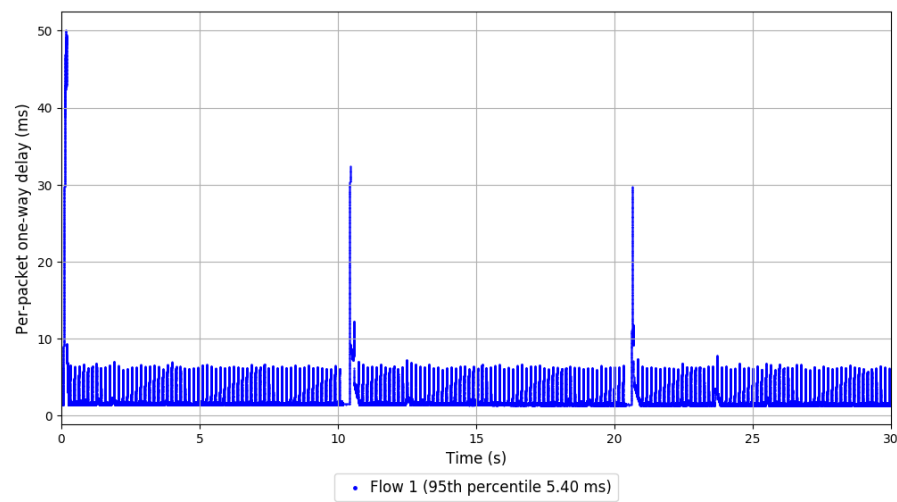
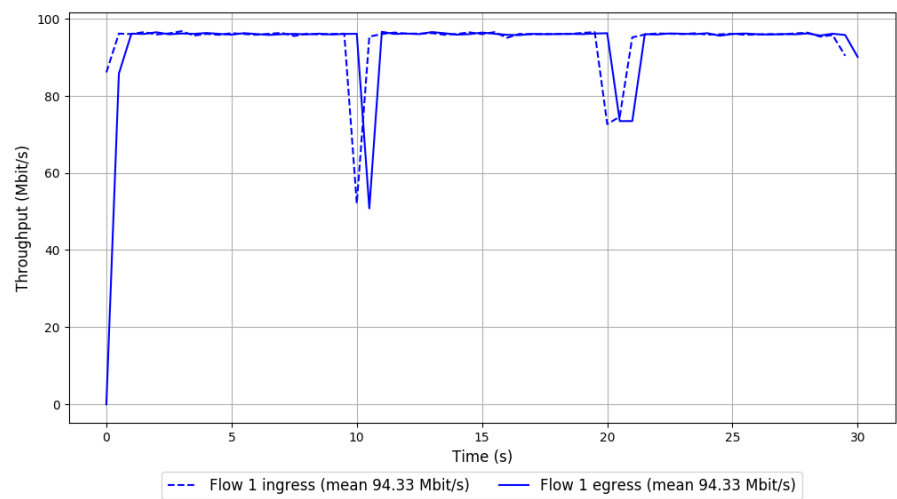


Run 3: Statistics of FillP-Sheep

Start at: 2019-03-09 08:44:35
End at: 2019-03-09 08:45:05
Local clock offset: -7.806 ms
Remote clock offset: 0.328 ms

Below is generated by plot.py at 2019-03-09 09:39:55
Datalink statistics
-- Total of 1 flow:
Average throughput: 94.33 Mbit/s
95th percentile per-packet one-way delay: 5.398 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 94.33 Mbit/s
95th percentile per-packet one-way delay: 5.398 ms
Loss rate: 0.01%

Run 3: Report of FillP-Sheep — Data Link

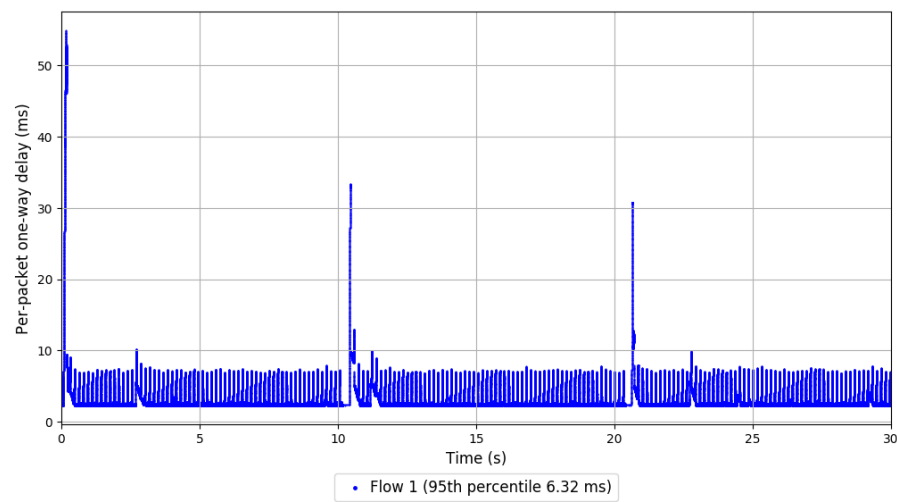
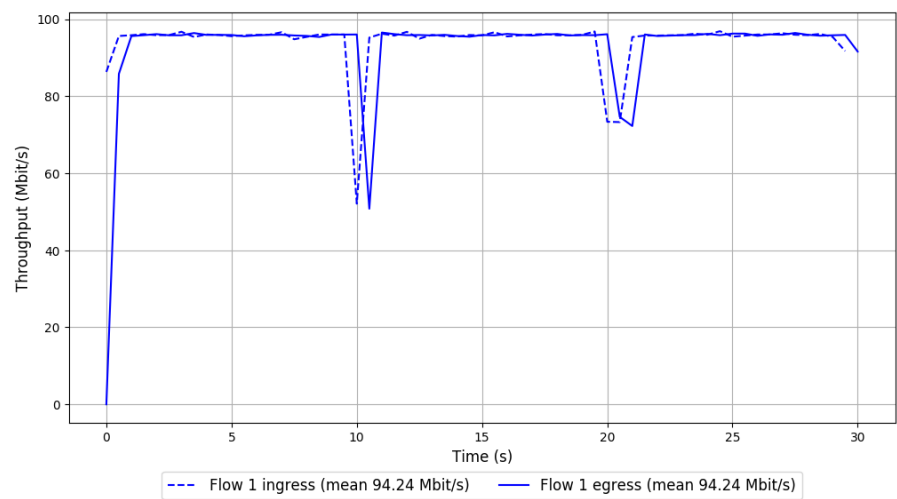


Run 4: Statistics of FillP-Sheep

Start at: 2019-03-09 09:08:18
End at: 2019-03-09 09:08:48
Local clock offset: -5.399 ms
Remote clock offset: 0.466 ms

Below is generated by plot.py at 2019-03-09 09:40:16
Datalink statistics
-- Total of 1 flow:
Average throughput: 94.24 Mbit/s
95th percentile per-packet one-way delay: 6.318 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 94.24 Mbit/s
95th percentile per-packet one-way delay: 6.318 ms
Loss rate: 0.01%

Run 4: Report of FillP-Sheep — Data Link



Run 5: Statistics of FillP-Sheep

Start at: 2019-03-09 09:32:00

End at: 2019-03-09 09:32:30

Local clock offset: -5.319 ms

Remote clock offset: 0.659 ms

Below is generated by plot.py at 2019-03-09 09:40:27

Datalink statistics

-- Total of 1 flow:

Average throughput: 94.41 Mbit/s

95th percentile per-packet one-way delay: 6.366 ms

Loss rate: 0.03%

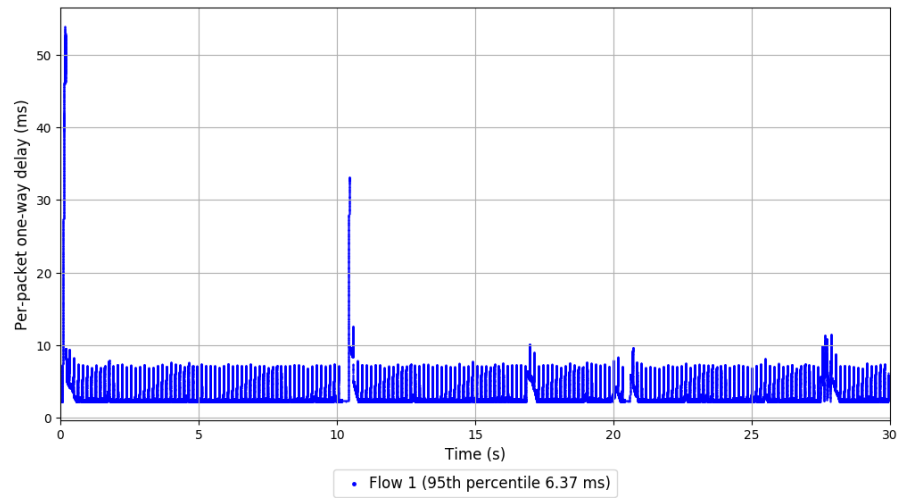
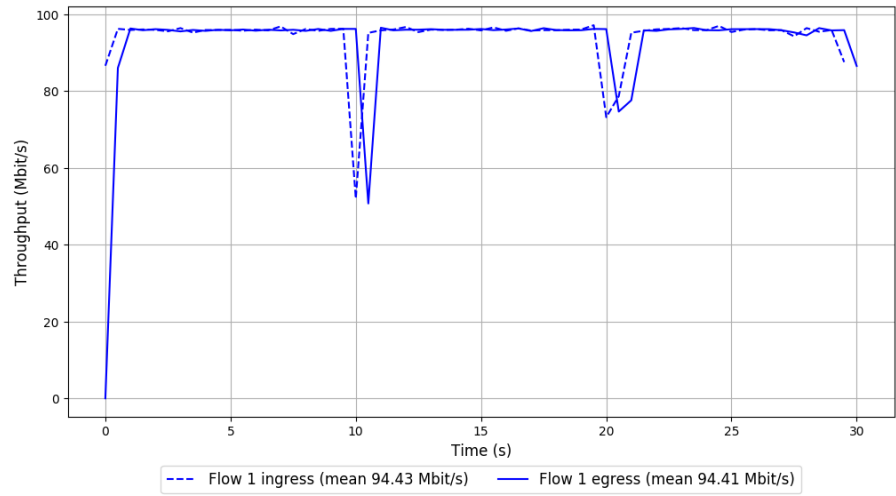
-- Flow 1:

Average throughput: 94.41 Mbit/s

95th percentile per-packet one-way delay: 6.366 ms

Loss rate: 0.03%

Run 5: Report of FillP-Sheep — Data Link



Run 1: Statistics of Indigo

Start at: 2019-03-09 07:39:06

End at: 2019-03-09 07:39:36

Local clock offset: -5.472 ms

Remote clock offset: -0.487 ms

Below is generated by plot.py at 2019-03-09 09:40:27

Datalink statistics

-- Total of 1 flow:

Average throughput: 97.32 Mbit/s

95th percentile per-packet one-way delay: 5.311 ms

Loss rate: 0.02%

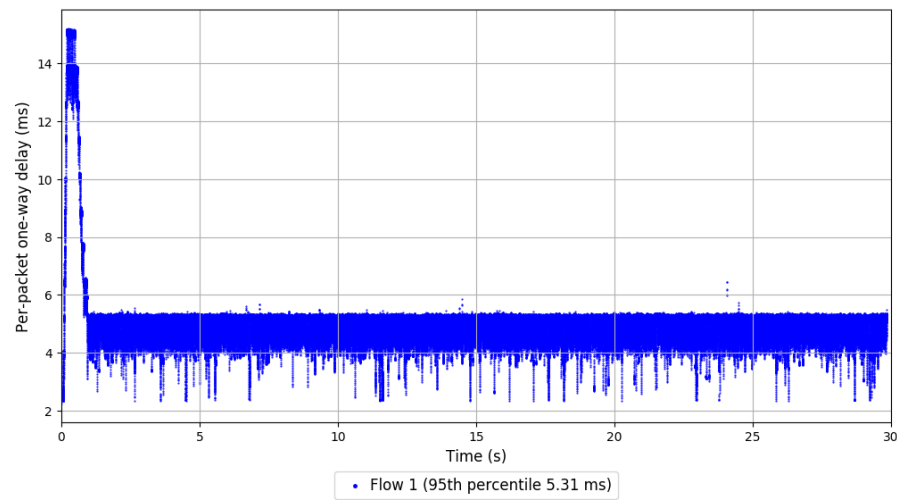
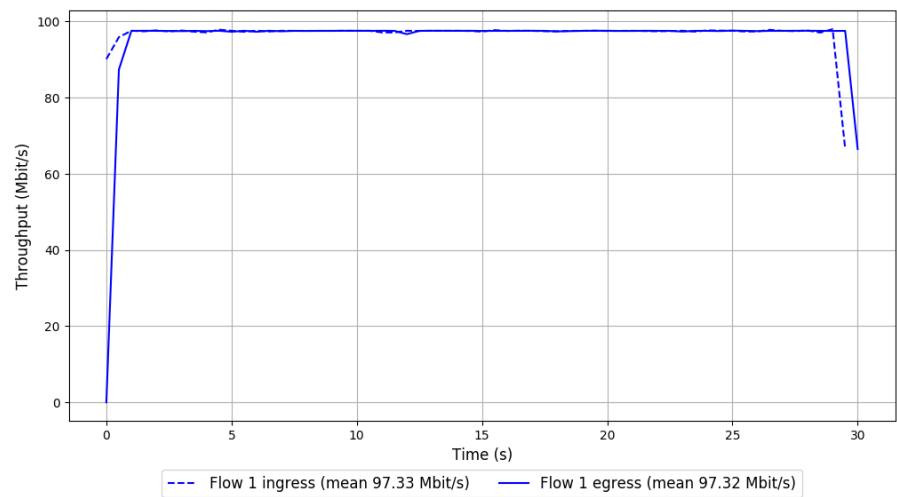
-- Flow 1:

Average throughput: 97.32 Mbit/s

95th percentile per-packet one-way delay: 5.311 ms

Loss rate: 0.02%

Run 1: Report of Indigo — Data Link

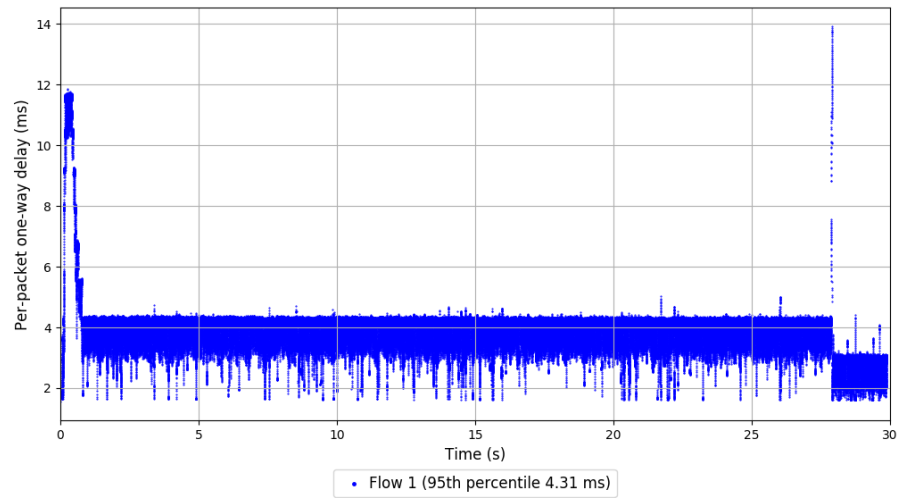
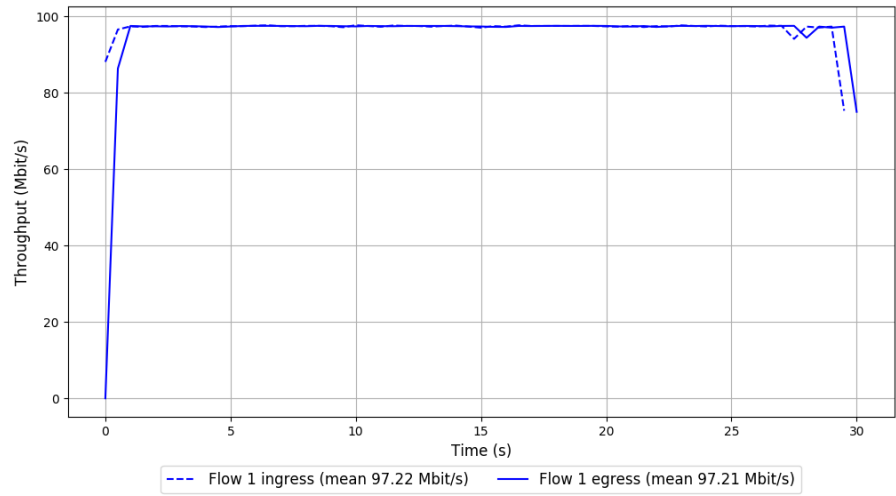


Run 2: Statistics of Indigo

Start at: 2019-03-09 08:02:48
End at: 2019-03-09 08:03:18
Local clock offset: -3.012 ms
Remote clock offset: -0.091 ms

Below is generated by plot.py at 2019-03-09 09:40:27
Datalink statistics
-- Total of 1 flow:
Average throughput: 97.21 Mbit/s
95th percentile per-packet one-way delay: 4.306 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 97.21 Mbit/s
95th percentile per-packet one-way delay: 4.306 ms
Loss rate: 0.01%

Run 2: Report of Indigo — Data Link



Run 3: Statistics of Indigo

Start at: 2019-03-09 08:26:30

End at: 2019-03-09 08:27:00

Local clock offset: -6.401 ms

Remote clock offset: 0.195 ms

Below is generated by plot.py at 2019-03-09 09:40:56

Datalink statistics

-- Total of 1 flow:

Average throughput: 97.32 Mbit/s

95th percentile per-packet one-way delay: 4.691 ms

Loss rate: 0.02%

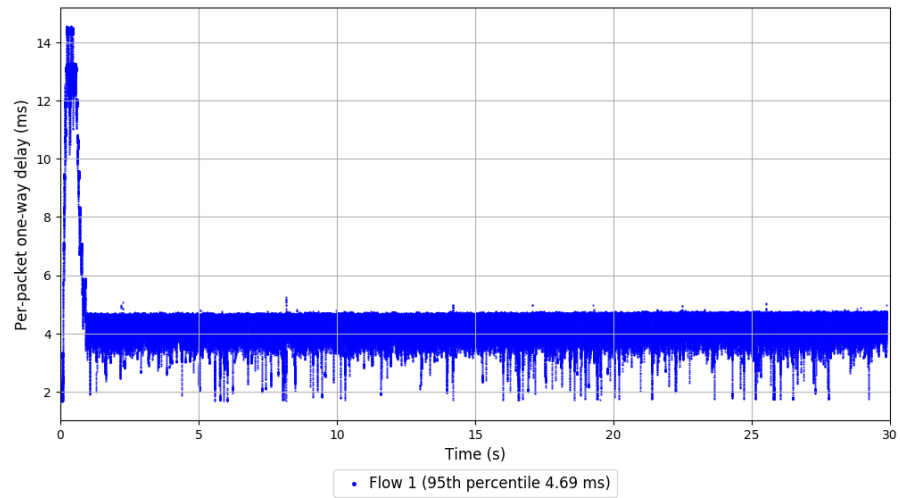
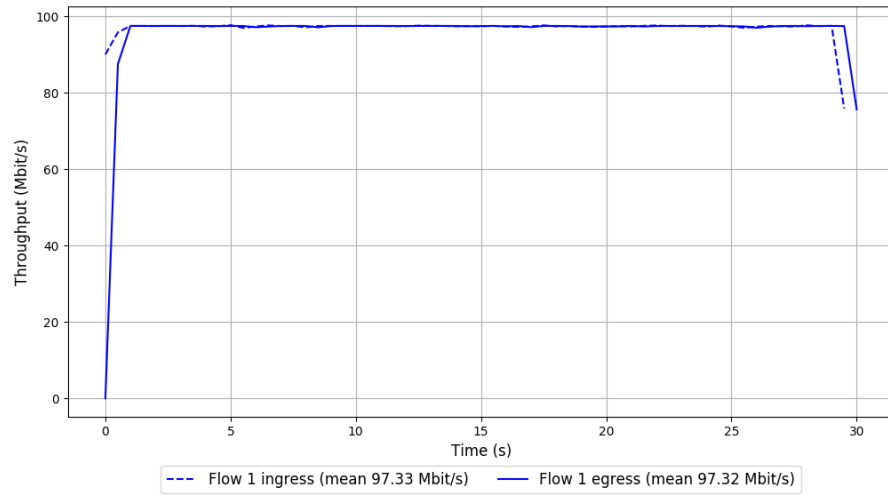
-- Flow 1:

Average throughput: 97.32 Mbit/s

95th percentile per-packet one-way delay: 4.691 ms

Loss rate: 0.02%

Run 3: Report of Indigo — Data Link



Run 4: Statistics of Indigo

Start at: 2019-03-09 08:50:12

End at: 2019-03-09 08:50:42

Local clock offset: -6.936 ms

Remote clock offset: 0.358 ms

Below is generated by plot.py at 2019-03-09 09:41:01

Datalink statistics

-- Total of 1 flow:

Average throughput: 97.33 Mbit/s

95th percentile per-packet one-way delay: 4.551 ms

Loss rate: 0.02%

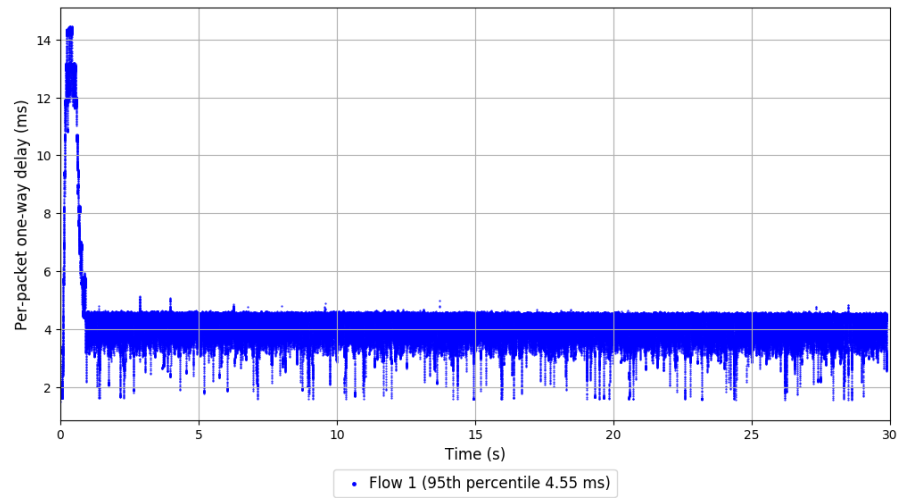
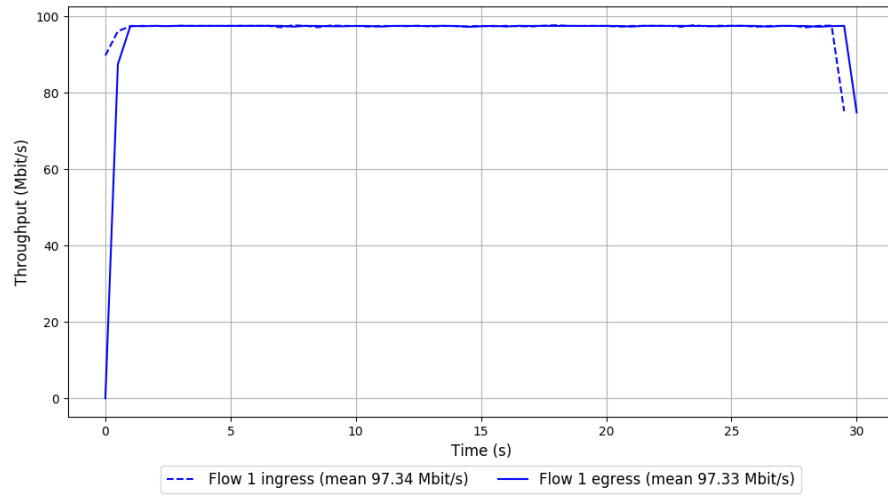
-- Flow 1:

Average throughput: 97.33 Mbit/s

95th percentile per-packet one-way delay: 4.551 ms

Loss rate: 0.02%

Run 4: Report of Indigo — Data Link



Run 5: Statistics of Indigo

Start at: 2019-03-09 09:13:55

End at: 2019-03-09 09:14:25

Local clock offset: -6.125 ms

Remote clock offset: 0.573 ms

Below is generated by plot.py at 2019-03-09 09:41:01

Datalink statistics

-- Total of 1 flow:

Average throughput: 97.33 Mbit/s

95th percentile per-packet one-way delay: 4.541 ms

Loss rate: 0.02%

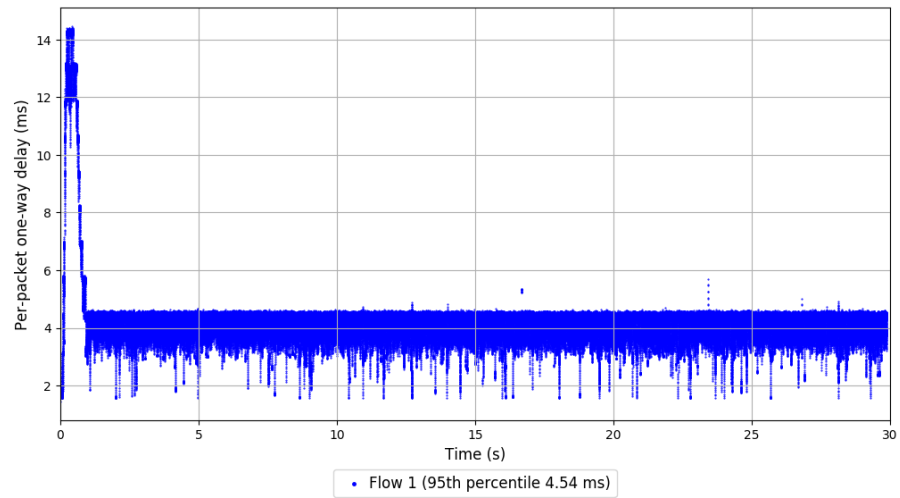
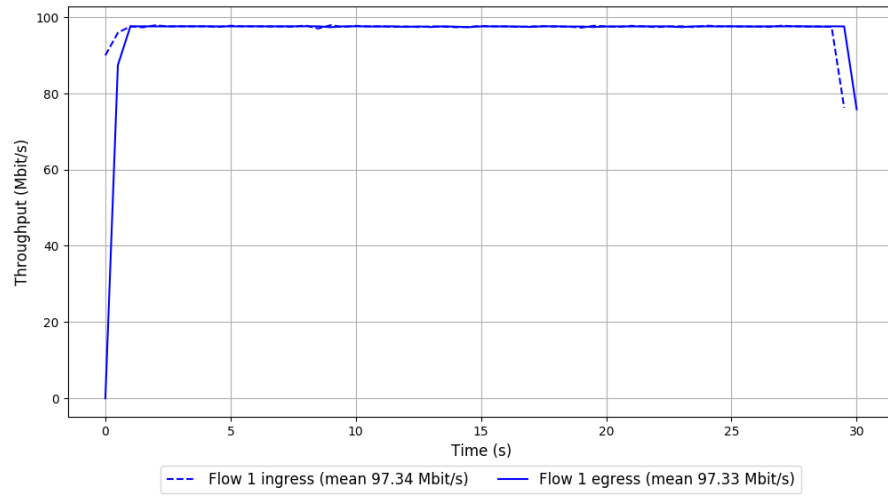
-- Flow 1:

Average throughput: 97.33 Mbit/s

95th percentile per-packet one-way delay: 4.541 ms

Loss rate: 0.02%

Run 5: Report of Indigo — Data Link

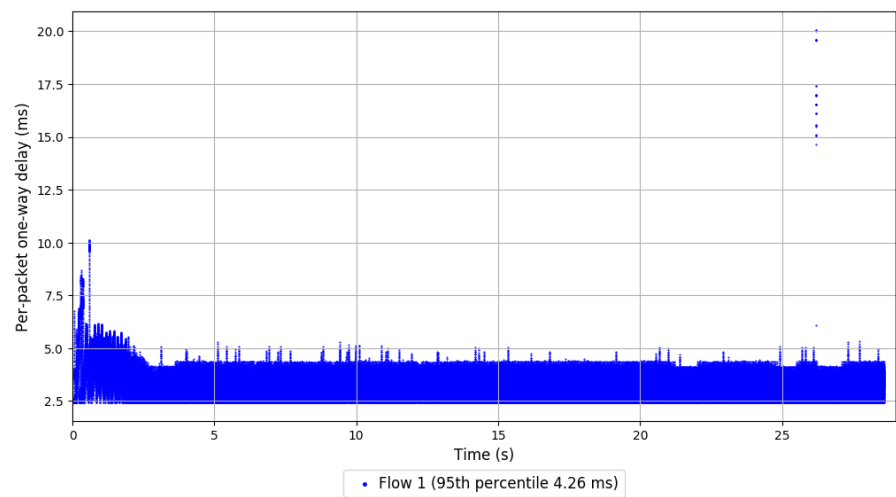
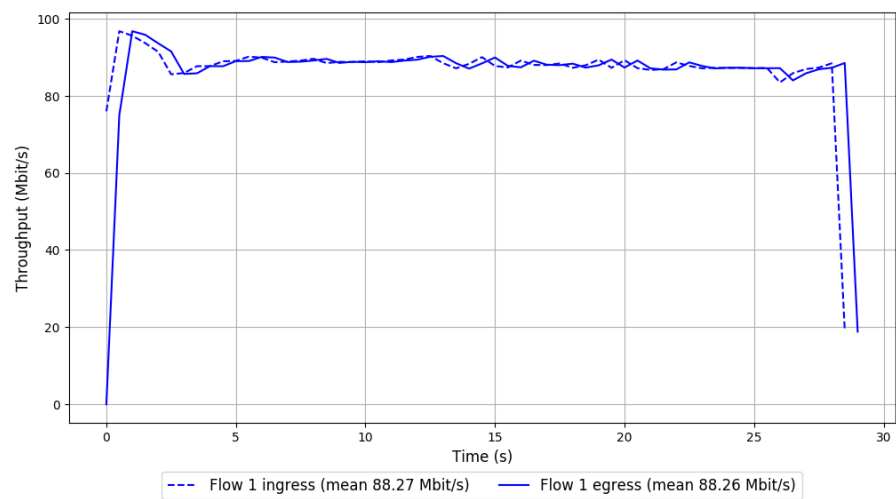


Run 1: Statistics of Indigo-MusesC3

Start at: 2019-03-09 07:40:15
End at: 2019-03-09 07:40:45
Local clock offset: -5.406 ms
Remote clock offset: -0.517 ms

Below is generated by plot.py at 2019-03-09 09:41:01
Datalink statistics
-- Total of 1 flow:
Average throughput: 88.26 Mbit/s
95th percentile per-packet one-way delay: 4.257 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 88.26 Mbit/s
95th percentile per-packet one-way delay: 4.257 ms
Loss rate: 0.02%

Run 1: Report of Indigo-MusesC3 — Data Link



Run 2: Statistics of Indigo-MusesC3

Start at: 2019-03-09 08:03:57

End at: 2019-03-09 08:04:27

Local clock offset: -2.94 ms

Remote clock offset: -0.148 ms

Below is generated by plot.py at 2019-03-09 09:41:21

Datalink statistics

-- Total of 1 flow:

Average throughput: 87.18 Mbit/s

95th percentile per-packet one-way delay: 3.301 ms

Loss rate: 0.02%

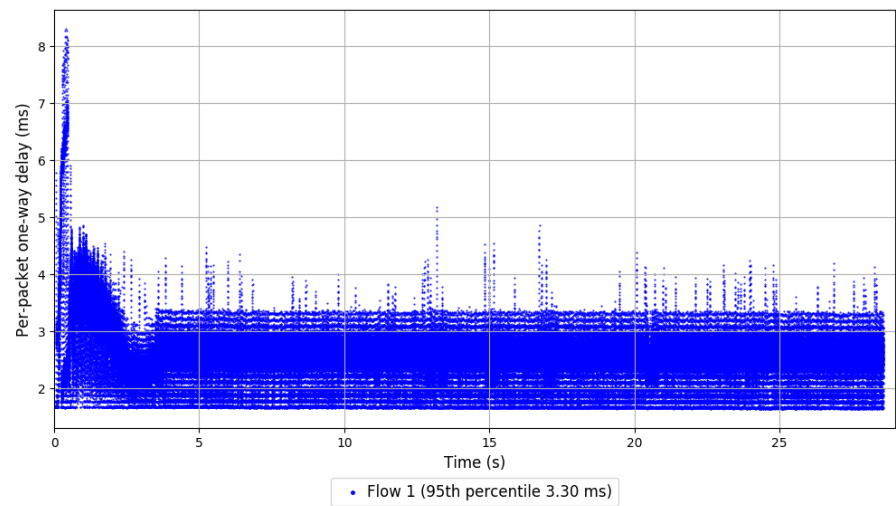
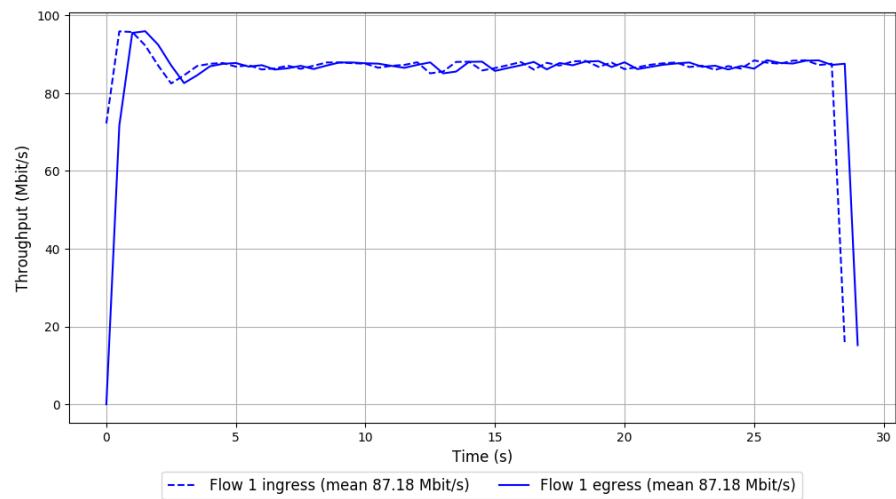
-- Flow 1:

Average throughput: 87.18 Mbit/s

95th percentile per-packet one-way delay: 3.301 ms

Loss rate: 0.02%

Run 2: Report of Indigo-MusesC3 — Data Link



Run 3: Statistics of Indigo-MusesC3

Start at: 2019-03-09 08:27:39

End at: 2019-03-09 08:28:09

Local clock offset: -6.554 ms

Remote clock offset: 0.221 ms

Below is generated by plot.py at 2019-03-09 09:41:24

Datalink statistics

-- Total of 1 flow:

Average throughput: 90.83 Mbit/s

95th percentile per-packet one-way delay: 3.759 ms

Loss rate: 0.01%

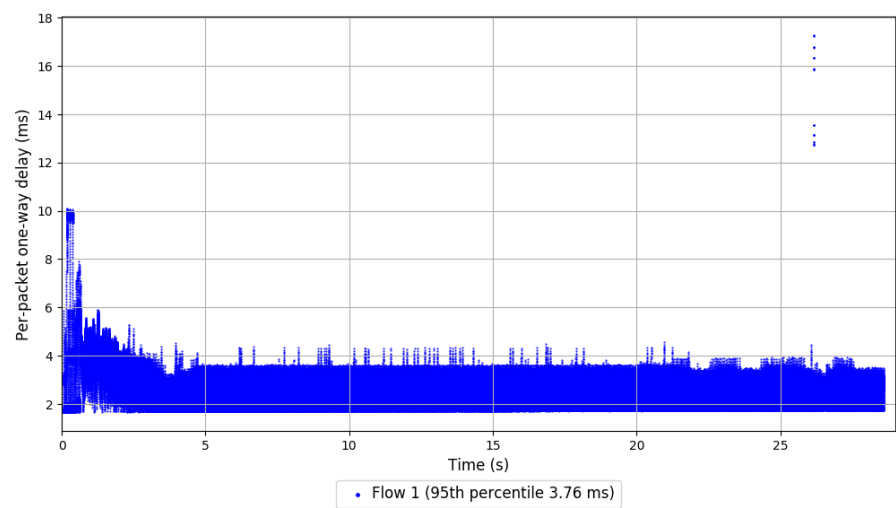
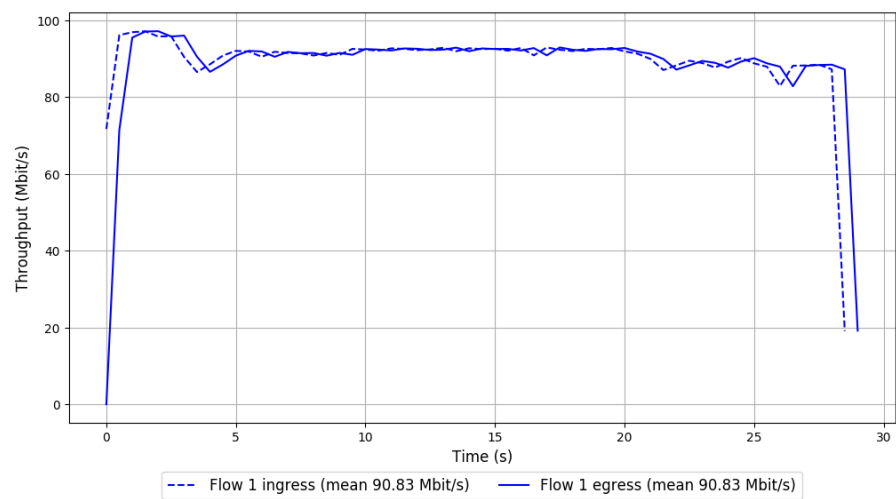
-- Flow 1:

Average throughput: 90.83 Mbit/s

95th percentile per-packet one-way delay: 3.759 ms

Loss rate: 0.01%

Run 3: Report of Indigo-MusesC3 — Data Link



Run 4: Statistics of Indigo-MusesC3

Start at: 2019-03-09 08:51:21

End at: 2019-03-09 08:51:51

Local clock offset: -6.059 ms

Remote clock offset: 0.261 ms

Below is generated by plot.py at 2019-03-09 09:41:24

Datalink statistics

-- Total of 1 flow:

Average throughput: 89.55 Mbit/s

95th percentile per-packet one-way delay: 4.585 ms

Loss rate: 0.01%

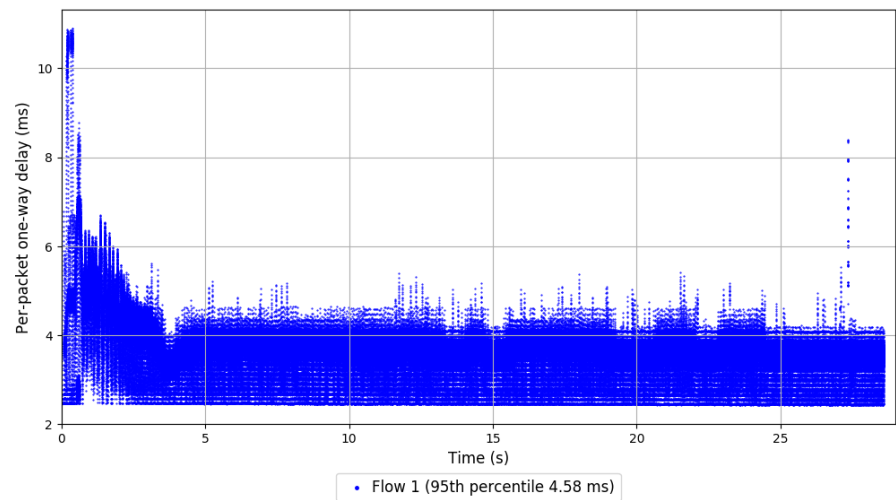
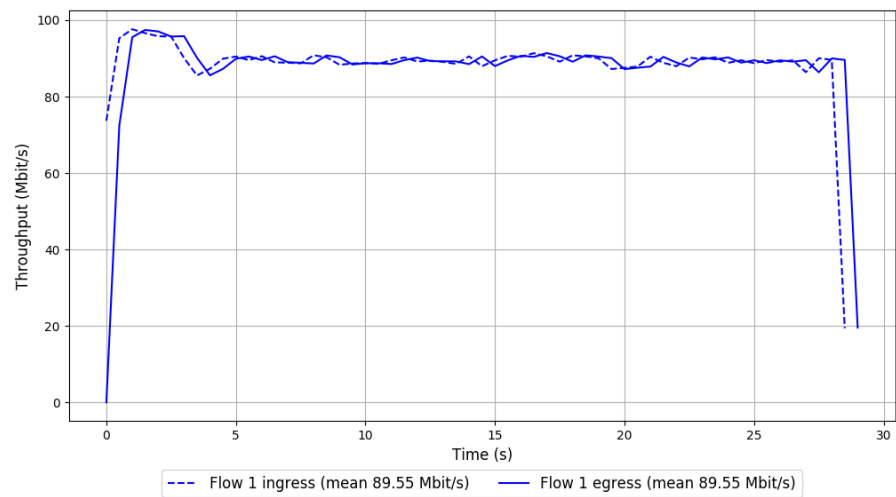
-- Flow 1:

Average throughput: 89.55 Mbit/s

95th percentile per-packet one-way delay: 4.585 ms

Loss rate: 0.01%

Run 4: Report of Indigo-MusesC3 — Data Link



Run 5: Statistics of Indigo-MusesC3

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

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

Local clock offset: -6.173 ms

Remote clock offset: 0.497 ms

Below is generated by plot.py at 2019-03-09 09:41:35

Datalink statistics

-- Total of 1 flow:

Average throughput: 88.14 Mbit/s

95th percentile per-packet one-way delay: 3.434 ms

Loss rate: 0.01%

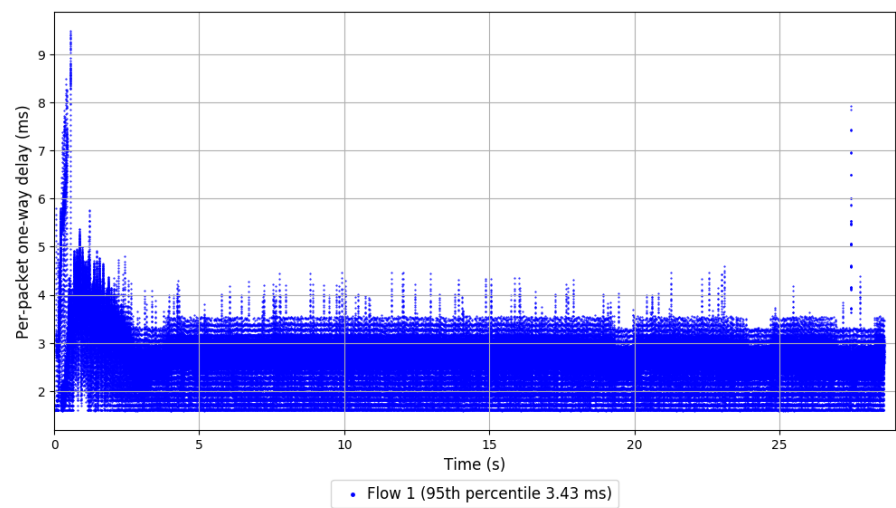
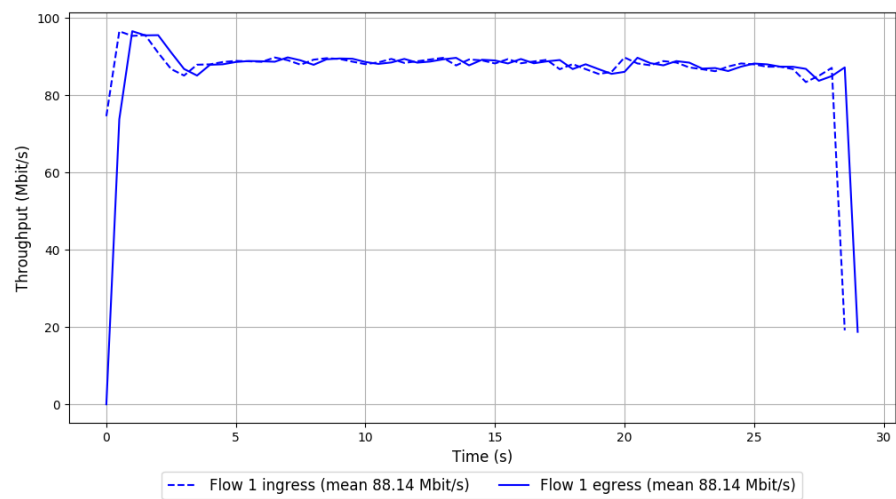
-- Flow 1:

Average throughput: 88.14 Mbit/s

95th percentile per-packet one-way delay: 3.434 ms

Loss rate: 0.01%

Run 5: Report of Indigo-MusesC3 — Data Link



Run 1: Statistics of Indigo-MusesC5

Start at: 2019-03-09 07:41:23

End at: 2019-03-09 07:41:53

Local clock offset: -5.402 ms

Remote clock offset: -0.544 ms

Below is generated by plot.py at 2019-03-09 09:41:35

Datalink statistics

-- Total of 1 flow:

Average throughput: 26.78 Mbit/s

95th percentile per-packet one-way delay: 3.840 ms

Loss rate: 0.00%

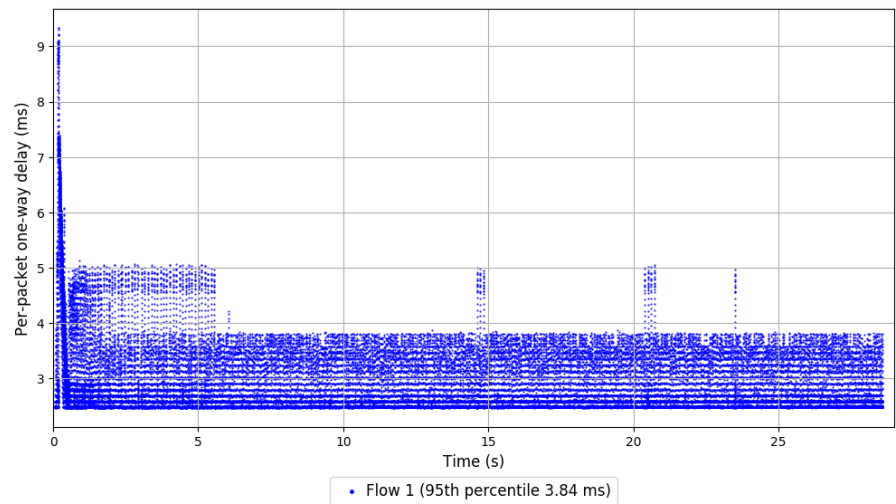
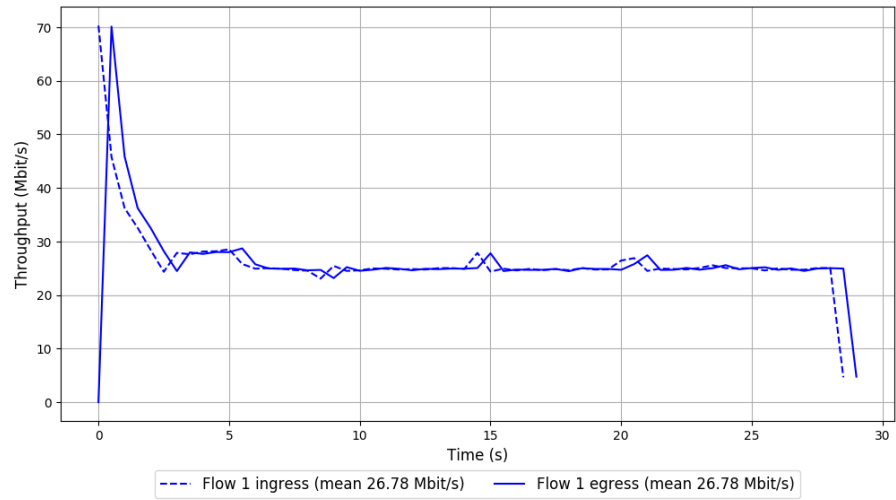
-- Flow 1:

Average throughput: 26.78 Mbit/s

95th percentile per-packet one-way delay: 3.840 ms

Loss rate: 0.00%

Run 1: Report of Indigo-MusesC5 — Data Link

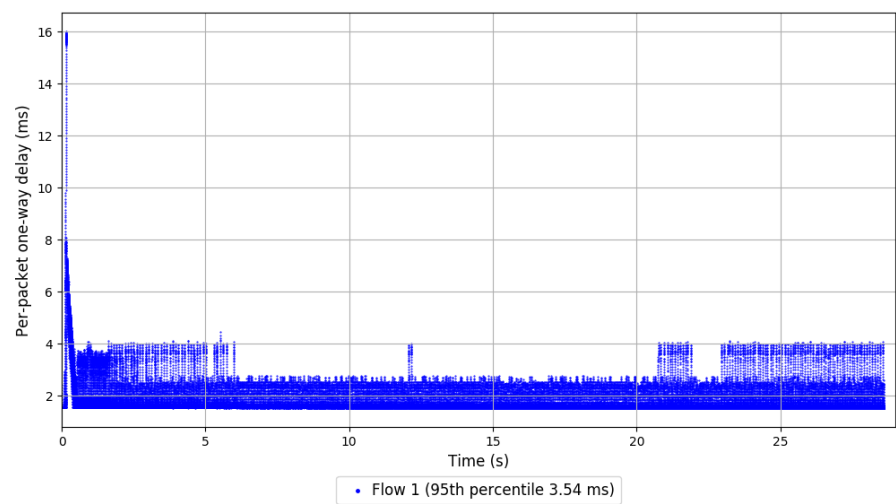
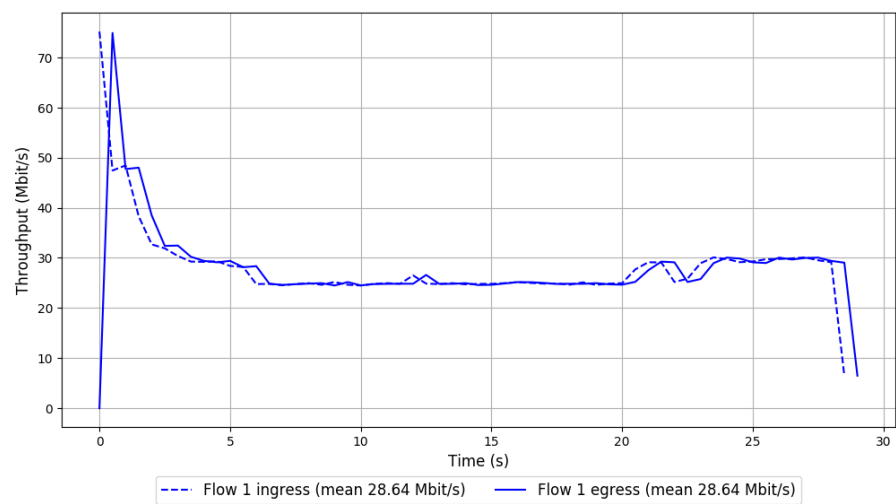


Run 2: Statistics of Indigo-MusesC5

Start at: 2019-03-09 08:05:05
End at: 2019-03-09 08:05:35
Local clock offset: -2.859 ms
Remote clock offset: -0.009 ms

Below is generated by plot.py at 2019-03-09 09:41:35
Datalink statistics
-- Total of 1 flow:
Average throughput: 28.64 Mbit/s
95th percentile per-packet one-way delay: 3.536 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 28.64 Mbit/s
95th percentile per-packet one-way delay: 3.536 ms
Loss rate: 0.02%

Run 2: Report of Indigo-MusesC5 — Data Link



Run 3: Statistics of Indigo-MusesC5

Start at: 2019-03-09 08:28:47

End at: 2019-03-09 08:29:17

Local clock offset: -5.935 ms

Remote clock offset: 0.254 ms

Below is generated by plot.py at 2019-03-09 09:41:35

Datalink statistics

-- Total of 1 flow:

Average throughput: 27.78 Mbit/s

95th percentile per-packet one-way delay: 4.300 ms

Loss rate: 0.02%

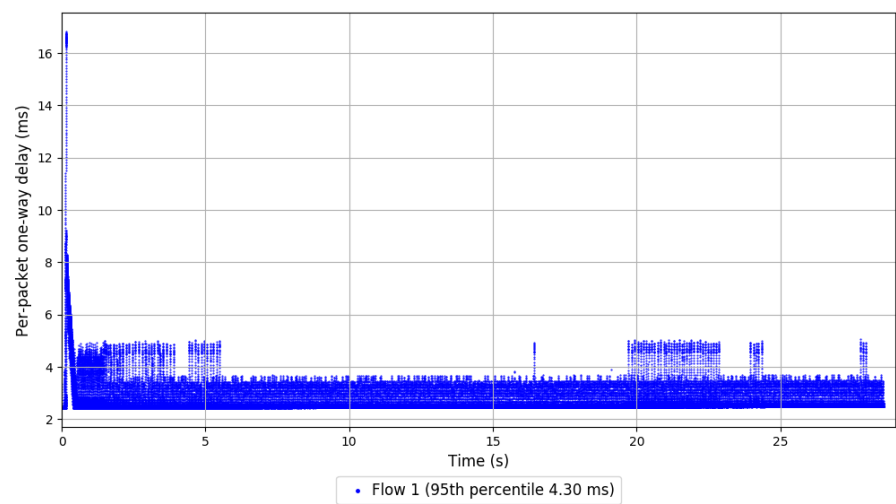
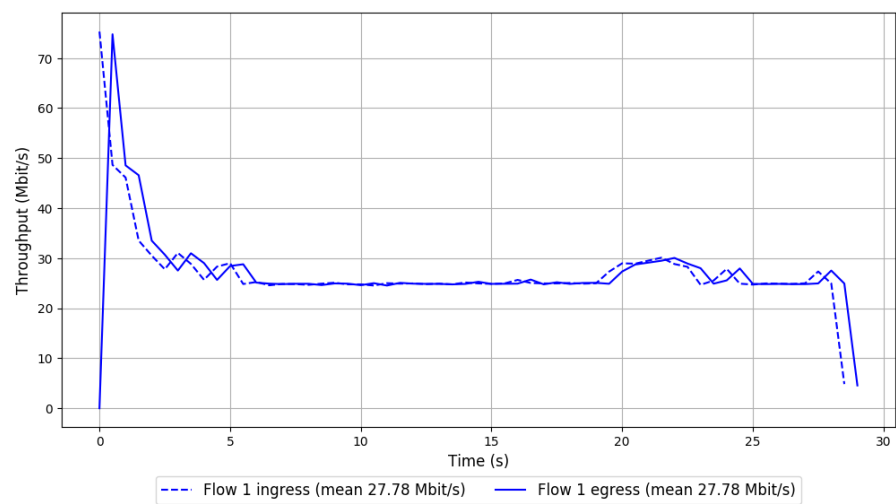
-- Flow 1:

Average throughput: 27.78 Mbit/s

95th percentile per-packet one-way delay: 4.300 ms

Loss rate: 0.02%

Run 3: Report of Indigo-MusesC5 — Data Link



Run 4: Statistics of Indigo-MusesC5

Start at: 2019-03-09 08:52:29

End at: 2019-03-09 08:52:59

Local clock offset: -6.795 ms

Remote clock offset: 0.369 ms

Below is generated by plot.py at 2019-03-09 09:41:44

Datalink statistics

-- Total of 1 flow:

Average throughput: 57.61 Mbit/s

95th percentile per-packet one-way delay: 3.565 ms

Loss rate: 0.01%

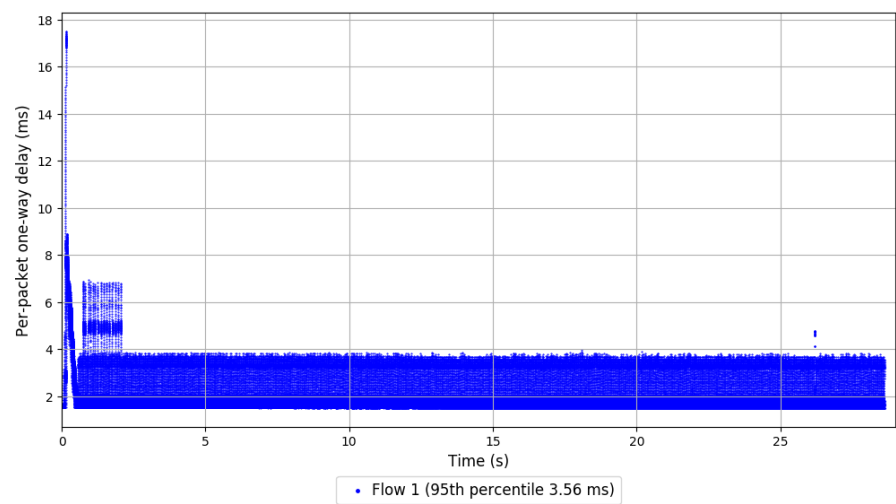
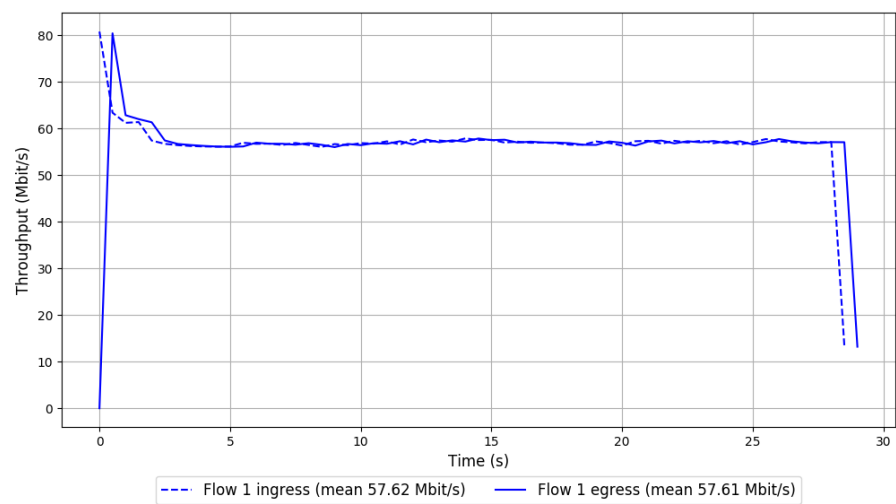
-- Flow 1:

Average throughput: 57.61 Mbit/s

95th percentile per-packet one-way delay: 3.565 ms

Loss rate: 0.01%

Run 4: Report of Indigo-MusesC5 — Data Link



Run 5: Statistics of Indigo-MusesC5

Start at: 2019-03-09 09:16:12

End at: 2019-03-09 09:16:42

Local clock offset: -5.329 ms

Remote clock offset: 0.583 ms

Below is generated by plot.py at 2019-03-09 09:41:58

Datalink statistics

-- Total of 1 flow:

Average throughput: 53.49 Mbit/s

95th percentile per-packet one-way delay: 4.280 ms

Loss rate: 0.01%

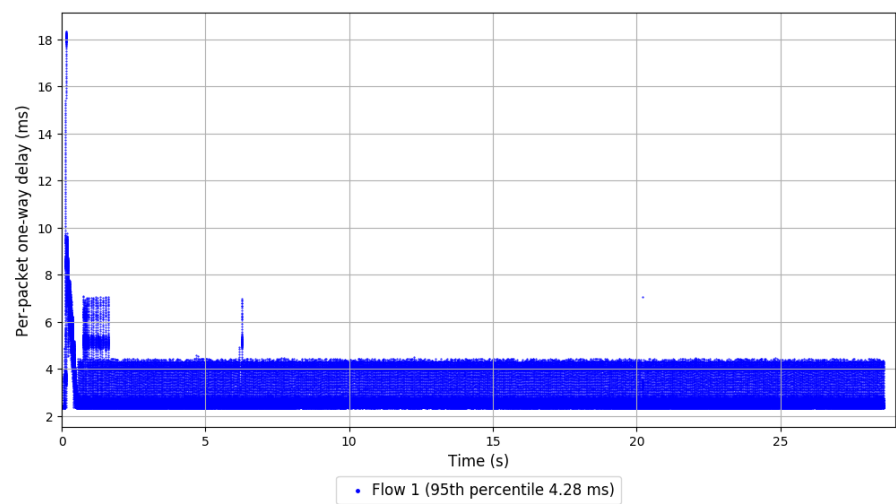
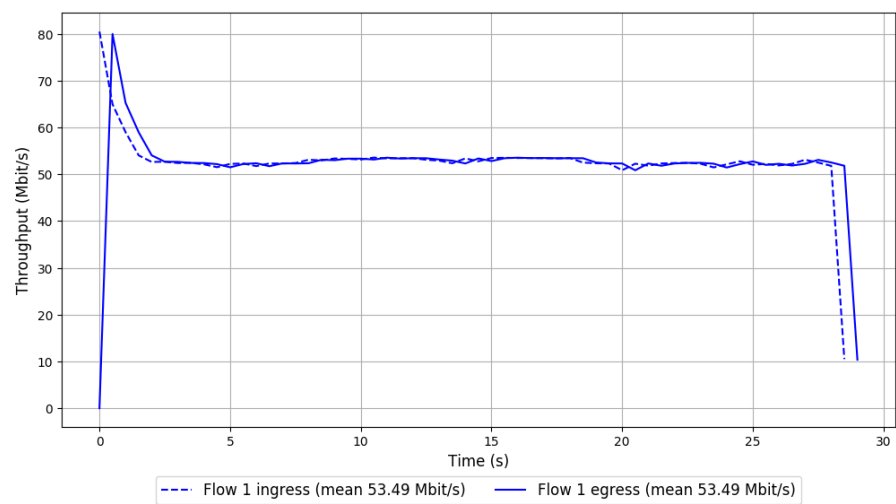
-- Flow 1:

Average throughput: 53.49 Mbit/s

95th percentile per-packet one-way delay: 4.280 ms

Loss rate: 0.01%

Run 5: Report of Indigo-MusesC5 — Data Link

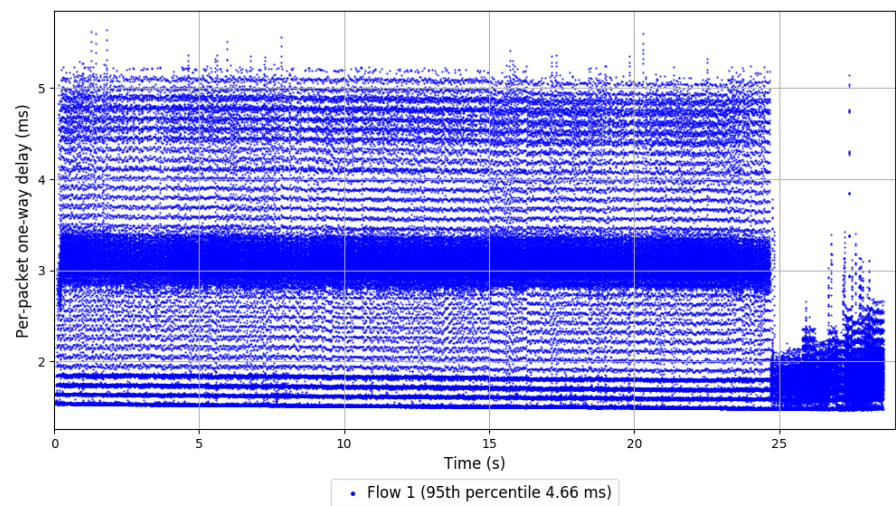
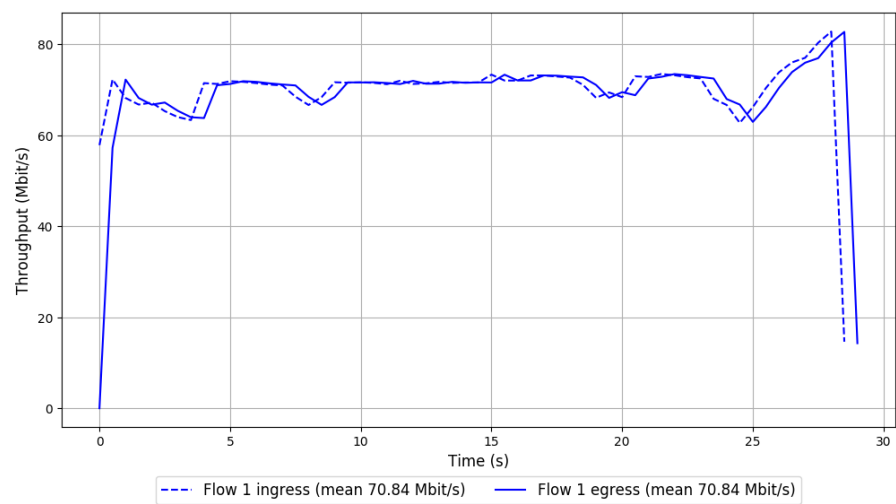



```
Run 1: Statistics of Indigo-MusesD

Start at: 2019-03-09 07:52:42
End at: 2019-03-09 07:53:12
Local clock offset: -4.168 ms
Remote clock offset: -0.284 ms

# Below is generated by plot.py at 2019-03-09 09:42:08
# Datalink statistics
-- Total of 1 flow:
Average throughput: 70.84 Mbit/s
95th percentile per-packet one-way delay: 4.663 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 70.84 Mbit/s
95th percentile per-packet one-way delay: 4.663 ms
Loss rate: 0.02%
```

Run 1: Report of Indigo-MusesD — Data Link



Run 2: Statistics of Indigo-MusesD

Start at: 2019-03-09 08:16:25

End at: 2019-03-09 08:16:55

Local clock offset: -3.461 ms

Remote clock offset: 0.02 ms

Below is generated by plot.py at 2019-03-09 09:42:08

Datalink statistics

-- Total of 1 flow:

Average throughput: 44.54 Mbit/s

95th percentile per-packet one-way delay: 2.597 ms

Loss rate: 0.00%

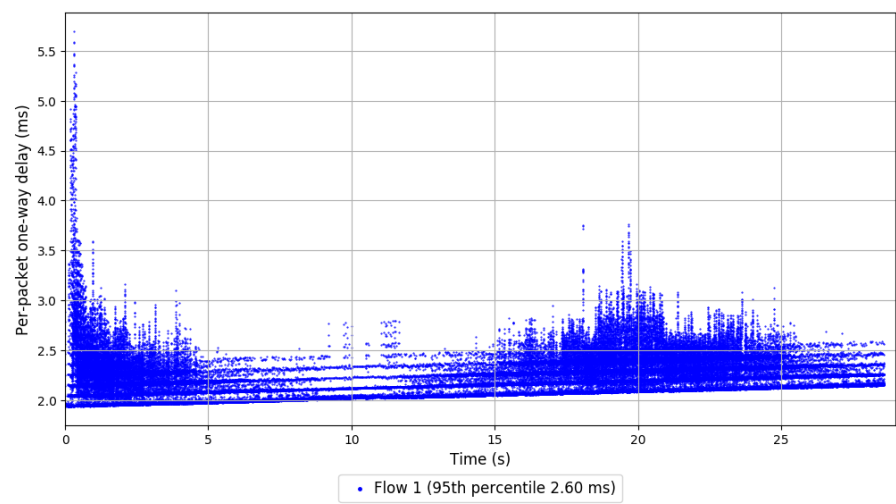
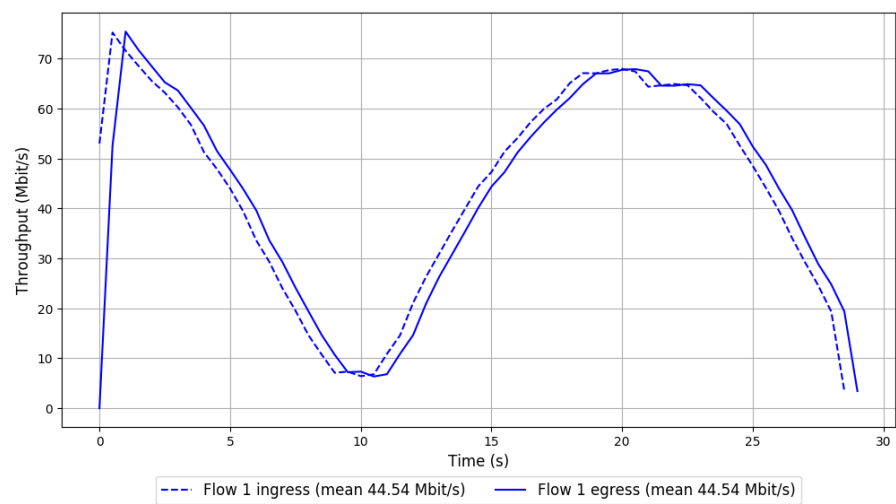
-- Flow 1:

Average throughput: 44.54 Mbit/s

95th percentile per-packet one-way delay: 2.597 ms

Loss rate: 0.00%

Run 2: Report of Indigo-MusesD — Data Link



Run 3: Statistics of Indigo-MusesD

Start at: 2019-03-09 08:40:08

End at: 2019-03-09 08:40:38

Local clock offset: -7.744 ms

Remote clock offset: 0.292 ms

Below is generated by plot.py at 2019-03-09 09:42:08

Datalink statistics

-- Total of 1 flow:

Average throughput: 46.12 Mbit/s

95th percentile per-packet one-way delay: 2.129 ms

Loss rate: 0.01%

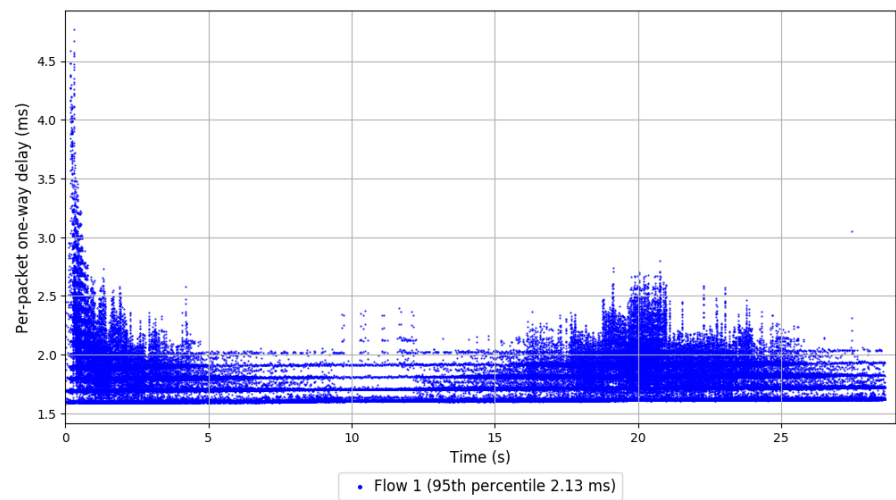
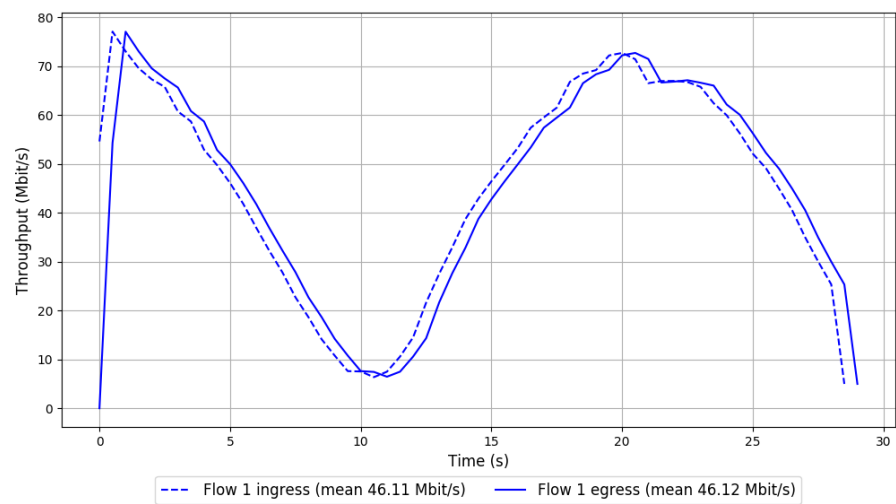
-- Flow 1:

Average throughput: 46.12 Mbit/s

95th percentile per-packet one-way delay: 2.129 ms

Loss rate: 0.01%

Run 3: Report of Indigo-MusesD — Data Link



Run 4: Statistics of Indigo-MusesD

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

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

Local clock offset: -5.462 ms

Remote clock offset: 0.429 ms

Below is generated by plot.py at 2019-03-09 09:42:08

Datalink statistics

-- Total of 1 flow:

Average throughput: 44.99 Mbit/s

95th percentile per-packet one-way delay: 3.002 ms

Loss rate: 0.01%

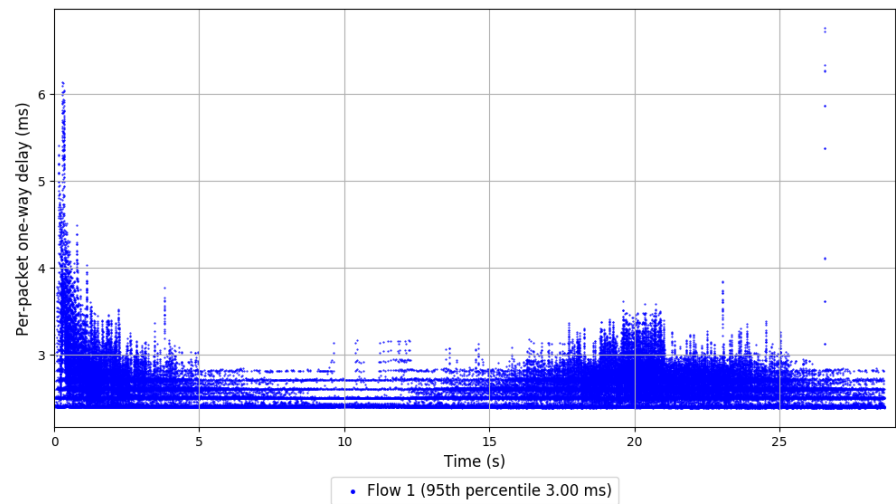
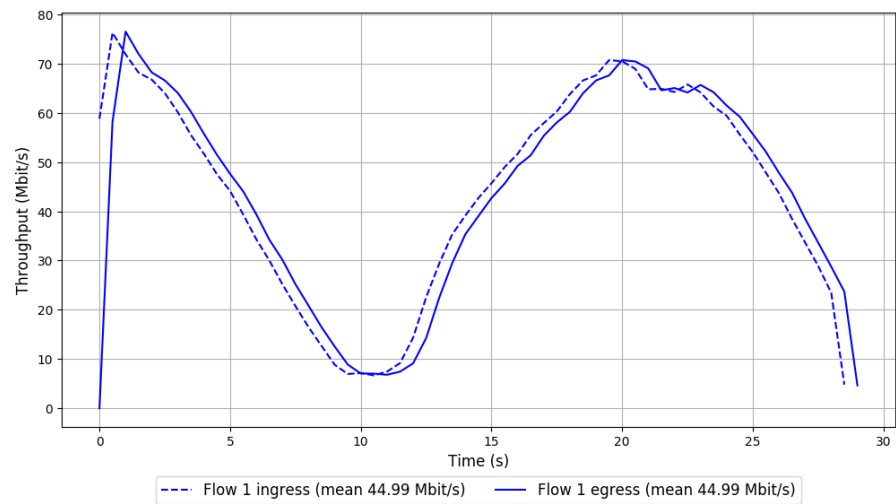
-- Flow 1:

Average throughput: 44.99 Mbit/s

95th percentile per-packet one-way delay: 3.002 ms

Loss rate: 0.01%

Run 4: Report of Indigo-MusesD — Data Link



Run 5: Statistics of Indigo-MusesD

Start at: 2019-03-09 09:27:32

End at: 2019-03-09 09:28:02

Local clock offset: -5.388 ms

Remote clock offset: 0.638 ms

Below is generated by plot.py at 2019-03-09 09:42:08

Datalink statistics

-- Total of 1 flow:

Average throughput: 43.52 Mbit/s

95th percentile per-packet one-way delay: 2.875 ms

Loss rate: 0.00%

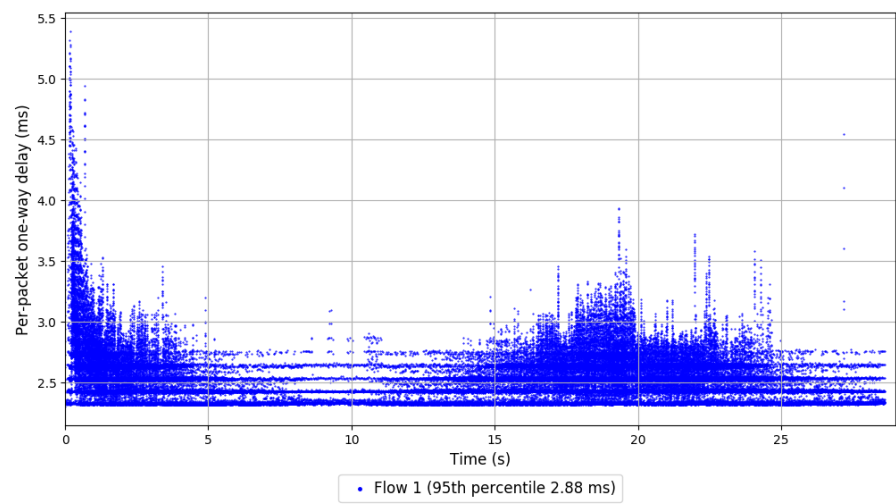
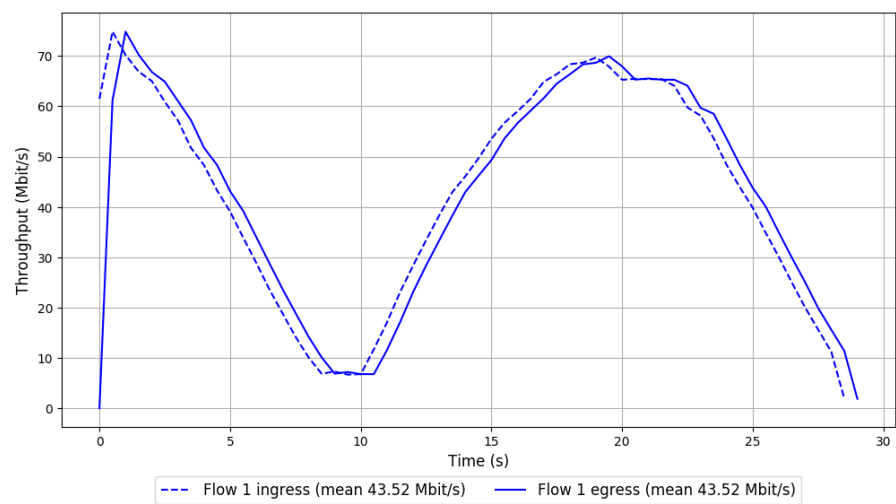
-- Flow 1:

Average throughput: 43.52 Mbit/s

95th percentile per-packet one-way delay: 2.875 ms

Loss rate: 0.00%

Run 5: Report of Indigo-MusesD — Data Link



Run 1: Statistics of Indigo-MusesT

Start at: 2019-03-09 07:56:04

End at: 2019-03-09 07:56:34

Local clock offset: -2.993 ms

Remote clock offset: -0.164 ms

Below is generated by plot.py at 2019-03-09 09:42:27

Datalink statistics

-- Total of 1 flow:

Average throughput: 75.00 Mbit/s

95th percentile per-packet one-way delay: 3.135 ms

Loss rate: 0.01%

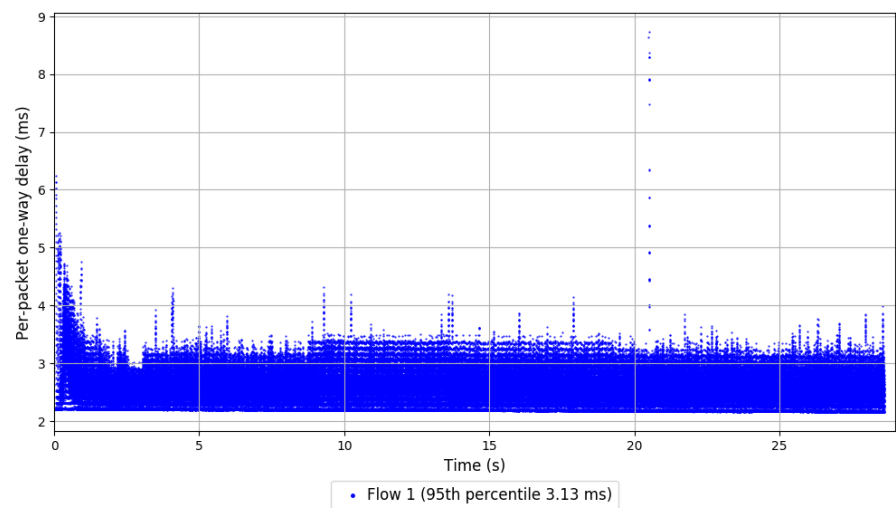
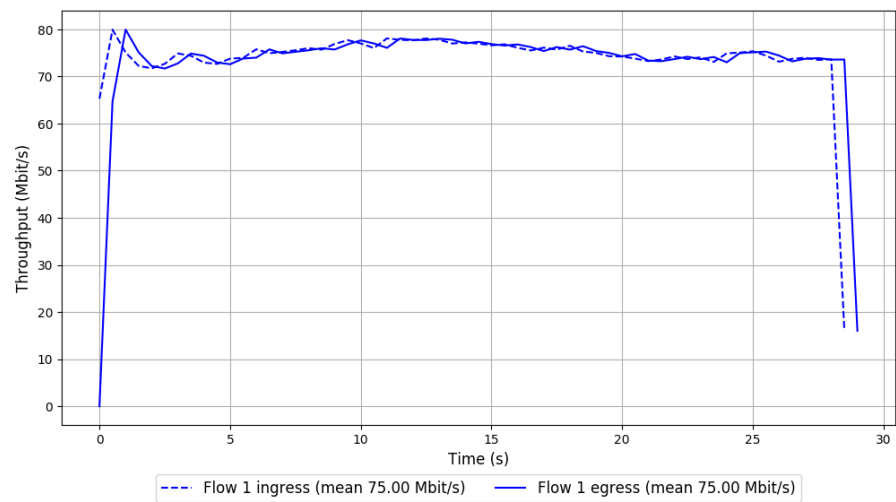
-- Flow 1:

Average throughput: 75.00 Mbit/s

95th percentile per-packet one-way delay: 3.135 ms

Loss rate: 0.01%

Run 1: Report of Indigo-MusesT — Data Link



Run 2: Statistics of Indigo-MusesT

Start at: 2019-03-09 08:19:46

End at: 2019-03-09 08:20:16

Local clock offset: -4.061 ms

Remote clock offset: 0.205 ms

Below is generated by plot.py at 2019-03-09 09:42:41

Datalink statistics

-- Total of 1 flow:

Average throughput: 82.86 Mbit/s

95th percentile per-packet one-way delay: 3.913 ms

Loss rate: 0.02%

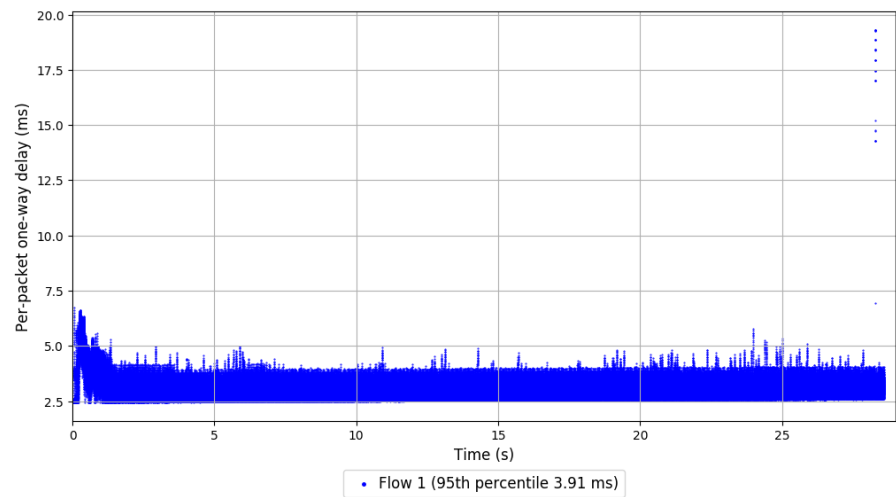
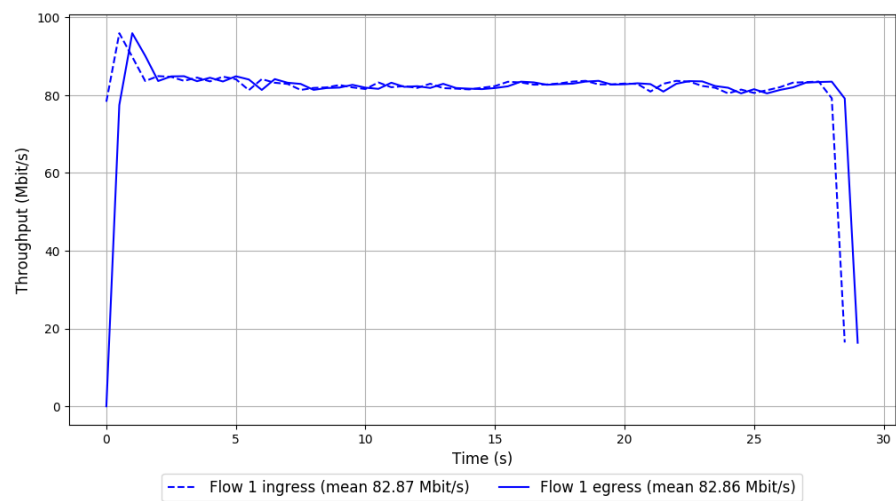
-- Flow 1:

Average throughput: 82.86 Mbit/s

95th percentile per-packet one-way delay: 3.913 ms

Loss rate: 0.02%

Run 2: Report of Indigo-MusesT — Data Link



Run 3: Statistics of Indigo-MusesT

Start at: 2019-03-09 08:43:28

End at: 2019-03-09 08:43:58

Local clock offset: -7.844 ms

Remote clock offset: 0.309 ms

Below is generated by plot.py at 2019-03-09 09:42:42

Datalink statistics

-- Total of 1 flow:

Average throughput: 74.42 Mbit/s

95th percentile per-packet one-way delay: 2.750 ms

Loss rate: 0.01%

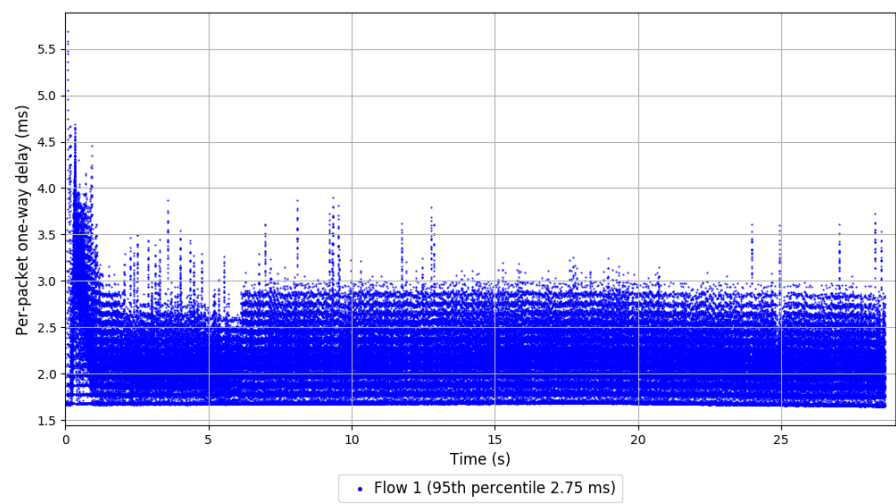
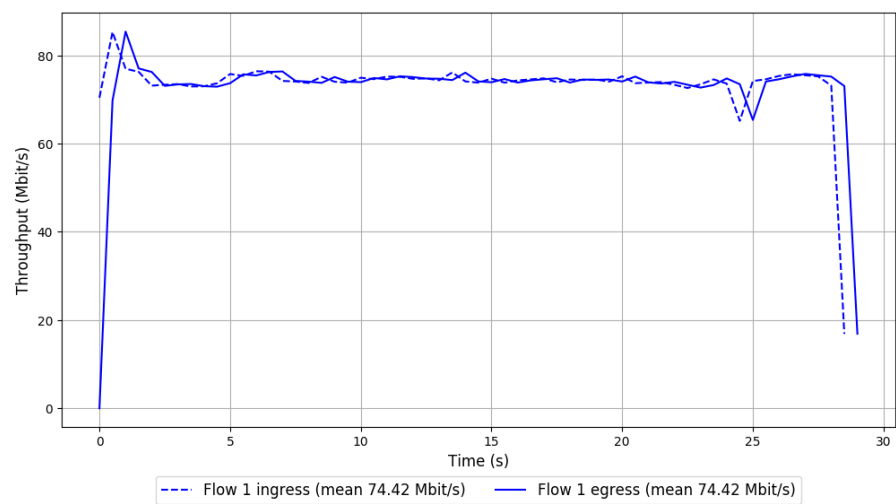
-- Flow 1:

Average throughput: 74.42 Mbit/s

95th percentile per-packet one-way delay: 2.750 ms

Loss rate: 0.01%

Run 3: Report of Indigo-MusesT — Data Link



Run 4: Statistics of Indigo-MusesT

Start at: 2019-03-09 09:07:11

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

Local clock offset: -5.423 ms

Remote clock offset: 0.521 ms

Below is generated by plot.py at 2019-03-09 09:42:52

Datalink statistics

-- Total of 1 flow:

Average throughput: 83.51 Mbit/s

95th percentile per-packet one-way delay: 3.562 ms

Loss rate: 0.01%

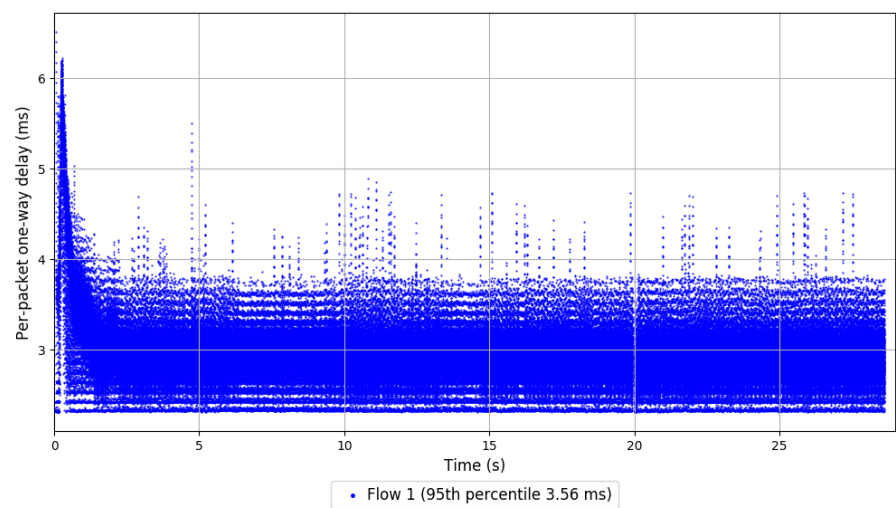
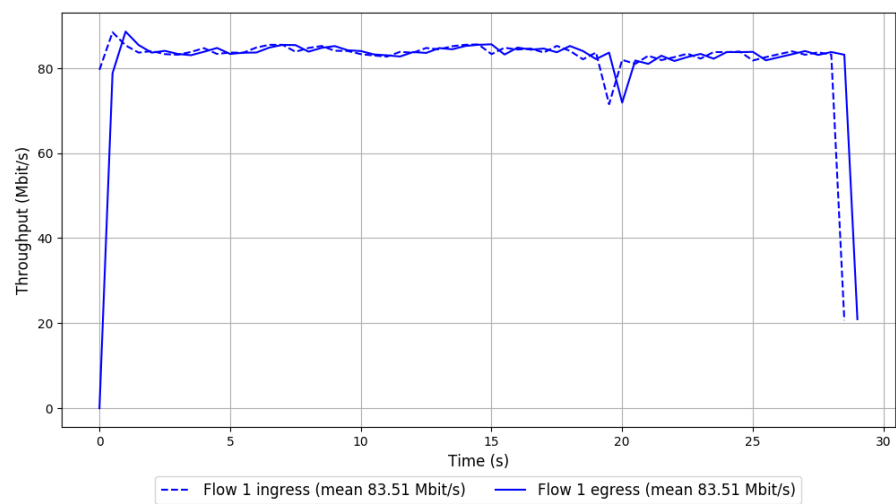
-- Flow 1:

Average throughput: 83.51 Mbit/s

95th percentile per-packet one-way delay: 3.562 ms

Loss rate: 0.01%

Run 4: Report of Indigo-MusesT — Data Link



Run 5: Statistics of Indigo-MusesT

Start at: 2019-03-09 09:30:53

End at: 2019-03-09 09:31:23

Local clock offset: -5.379 ms

Remote clock offset: 0.652 ms

Below is generated by plot.py at 2019-03-09 09:42:52

Datalink statistics

-- Total of 1 flow:

Average throughput: 82.27 Mbit/s

95th percentile per-packet one-way delay: 3.589 ms

Loss rate: 0.01%

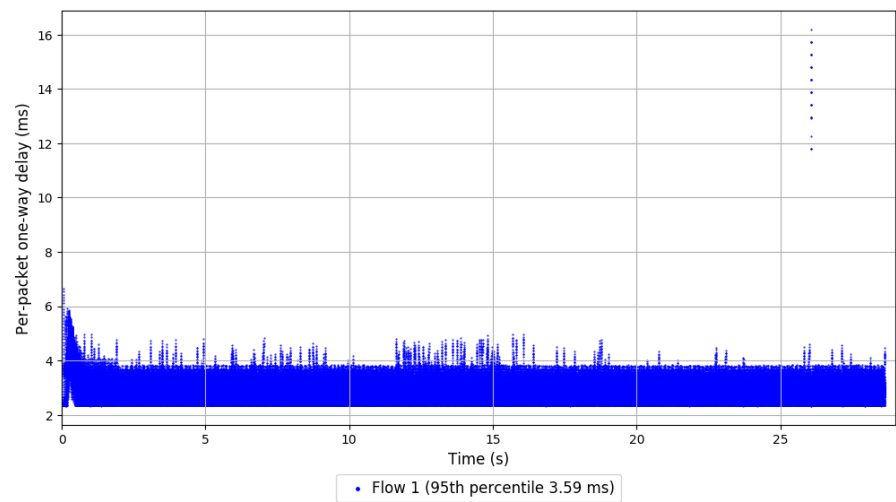
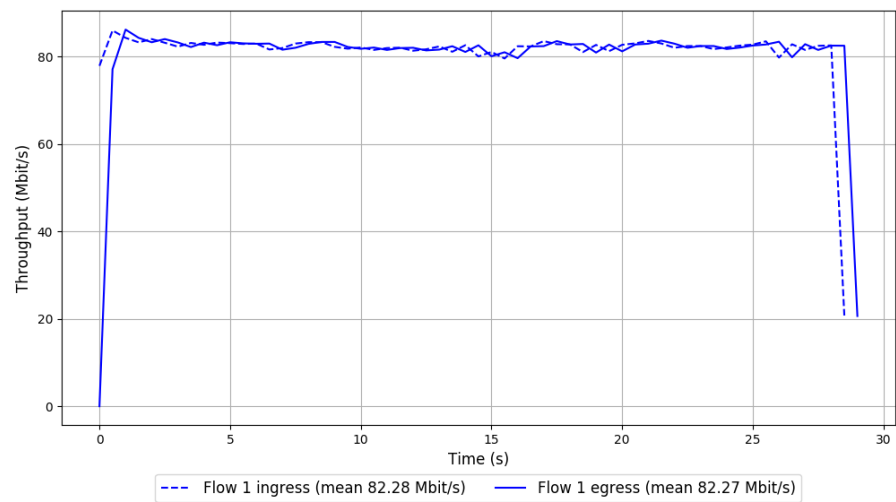
-- Flow 1:

Average throughput: 82.27 Mbit/s

95th percentile per-packet one-way delay: 3.589 ms

Loss rate: 0.01%

Run 5: Report of Indigo-MusesT — Data Link

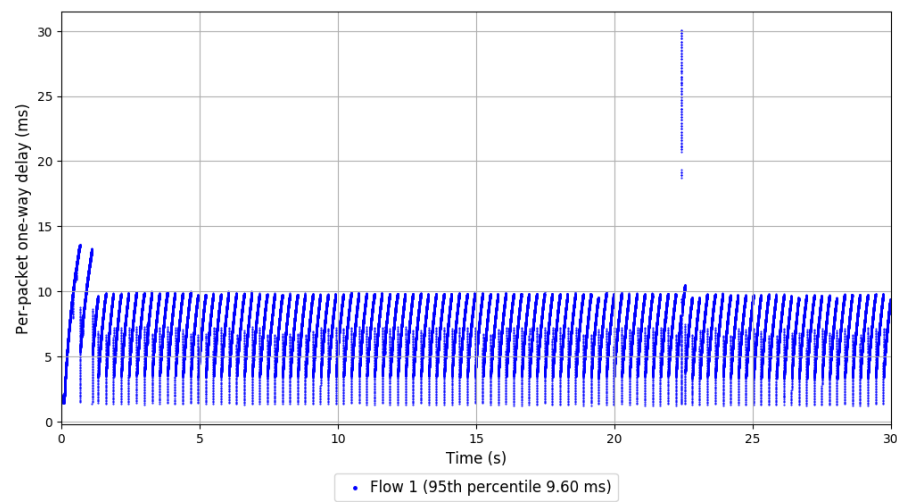
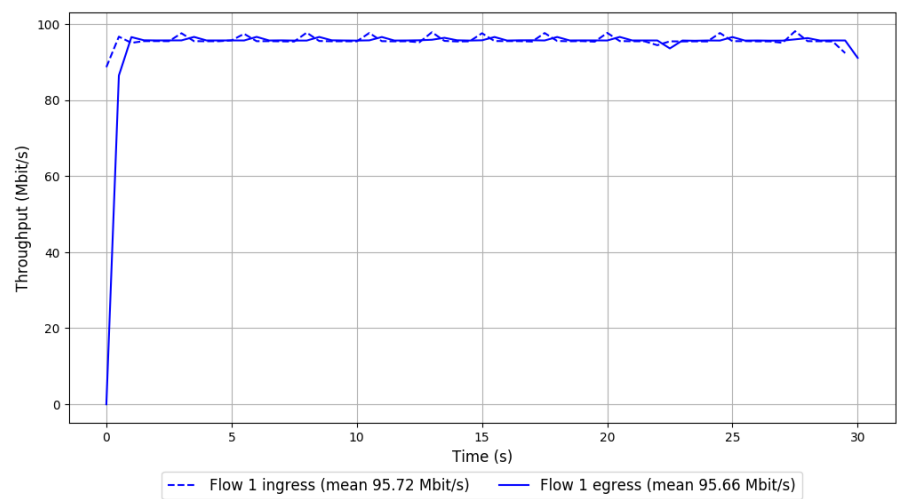


Run 1: Statistics of LEDBAT

Start at: 2019-03-09 07:45:54
End at: 2019-03-09 07:46:24
Local clock offset: -5.625 ms
Remote clock offset: -0.357 ms

Below is generated by plot.py at 2019-03-09 09:43:04
Datalink statistics
-- Total of 1 flow:
Average throughput: 95.66 Mbit/s
95th percentile per-packet one-way delay: 9.600 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 95.66 Mbit/s
95th percentile per-packet one-way delay: 9.600 ms
Loss rate: 0.08%

Run 1: Report of LEDBAT — Data Link



Run 2: Statistics of LEDBAT

Start at: 2019-03-09 08:09:37

End at: 2019-03-09 08:10:07

Local clock offset: -1.882 ms

Remote clock offset: 0.047 ms

Below is generated by plot.py at 2019-03-09 09:43:05

Datalink statistics

-- Total of 1 flow:

Average throughput: 96.01 Mbit/s

95th percentile per-packet one-way delay: 10.764 ms

Loss rate: 0.09%

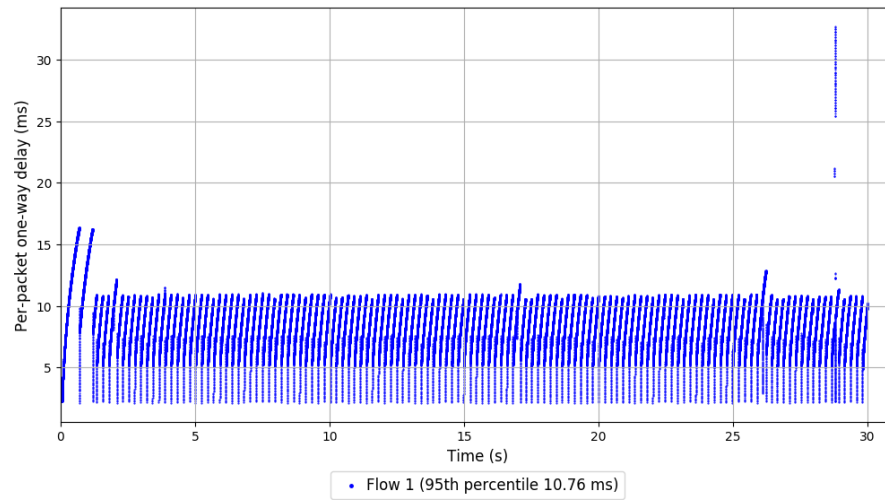
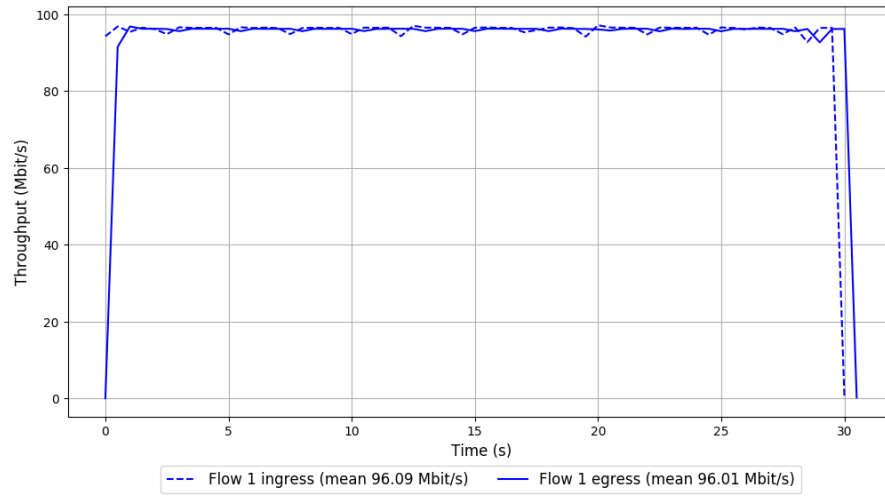
-- Flow 1:

Average throughput: 96.01 Mbit/s

95th percentile per-packet one-way delay: 10.764 ms

Loss rate: 0.09%

Run 2: Report of LEDBAT — Data Link



Run 3: Statistics of LEDBAT

Start at: 2019-03-09 08:33:19

End at: 2019-03-09 08:33:49

Local clock offset: -6.427 ms

Remote clock offset: 0.292 ms

Below is generated by plot.py at 2019-03-09 09:43:18

Datalink statistics

-- Total of 1 flow:

Average throughput: 96.07 Mbit/s

95th percentile per-packet one-way delay: 10.880 ms

Loss rate: 0.09%

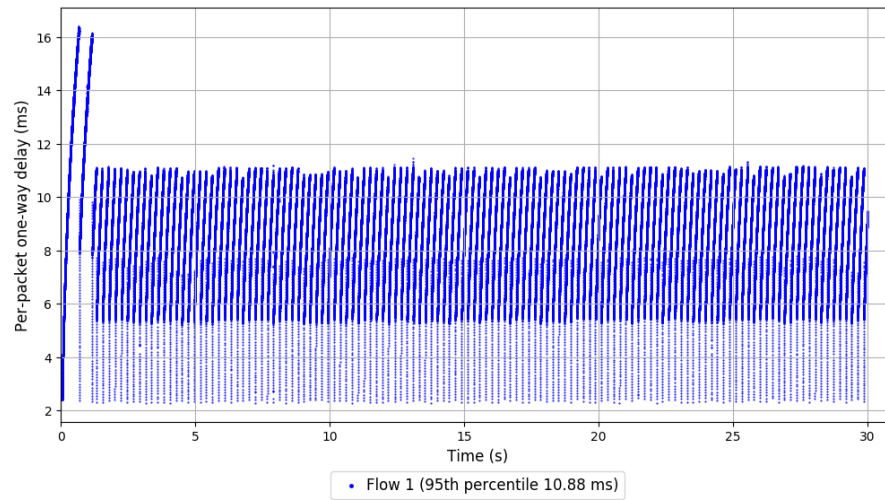
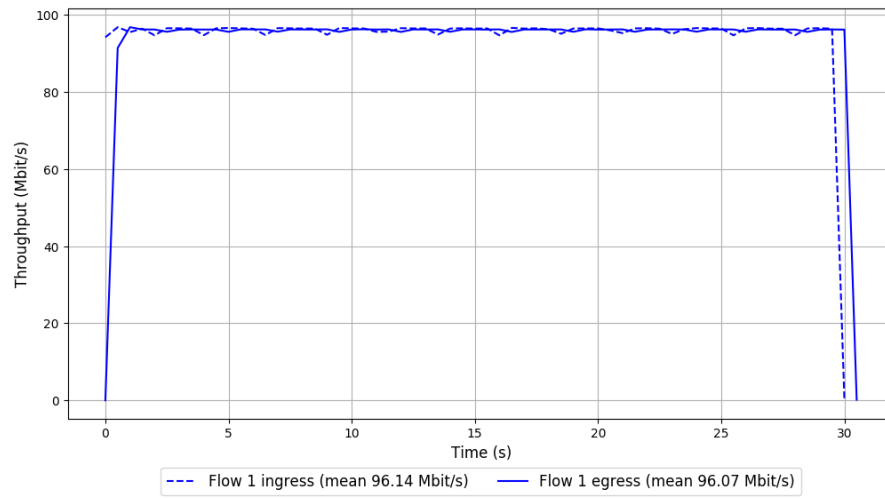
-- Flow 1:

Average throughput: 96.07 Mbit/s

95th percentile per-packet one-way delay: 10.880 ms

Loss rate: 0.09%

Run 3: Report of LEDBAT — Data Link



Run 4: Statistics of LEDBAT

Start at: 2019-03-09 08:57:01

End at: 2019-03-09 08:57:31

Local clock offset: -5.692 ms

Remote clock offset: 0.424 ms

Below is generated by plot.py at 2019-03-09 09:43:38

Datalink statistics

-- Total of 1 flow:

Average throughput: 96.04 Mbit/s

95th percentile per-packet one-way delay: 10.764 ms

Loss rate: 0.08%

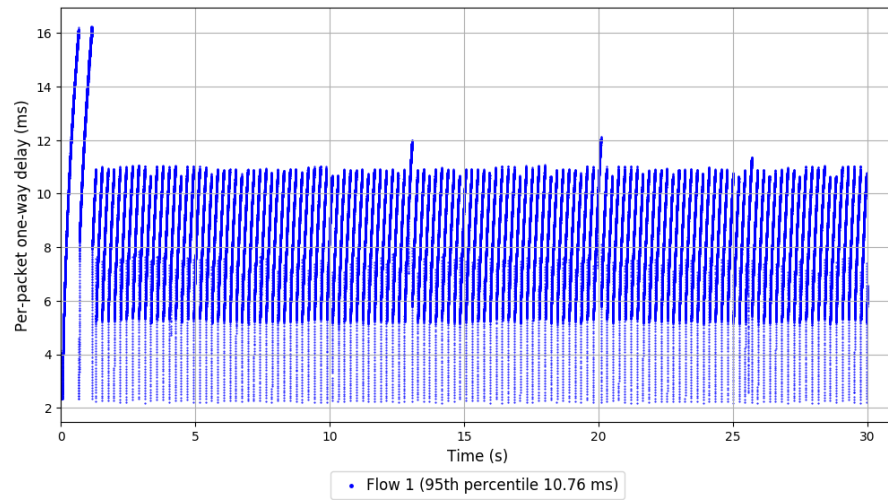
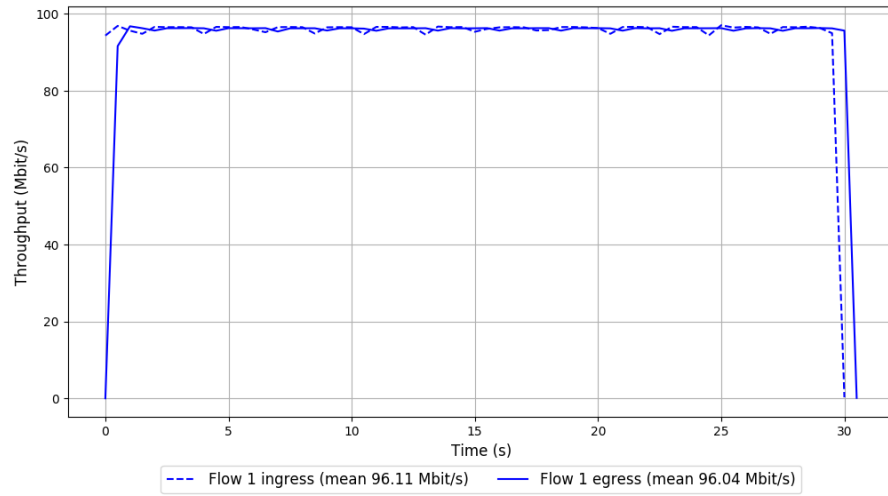
-- Flow 1:

Average throughput: 96.04 Mbit/s

95th percentile per-packet one-way delay: 10.764 ms

Loss rate: 0.08%

Run 4: Report of LEDBAT — Data Link



Run 5: Statistics of LEDBAT

Start at: 2019-03-09 09:20:43

End at: 2019-03-09 09:21:13

Local clock offset: -6.08 ms

Remote clock offset: 0.537 ms

Below is generated by plot.py at 2019-03-09 09:43:49

Datalink statistics

-- Total of 1 flow:

Average throughput: 96.00 Mbit/s

95th percentile per-packet one-way delay: 10.115 ms

Loss rate: 0.09%

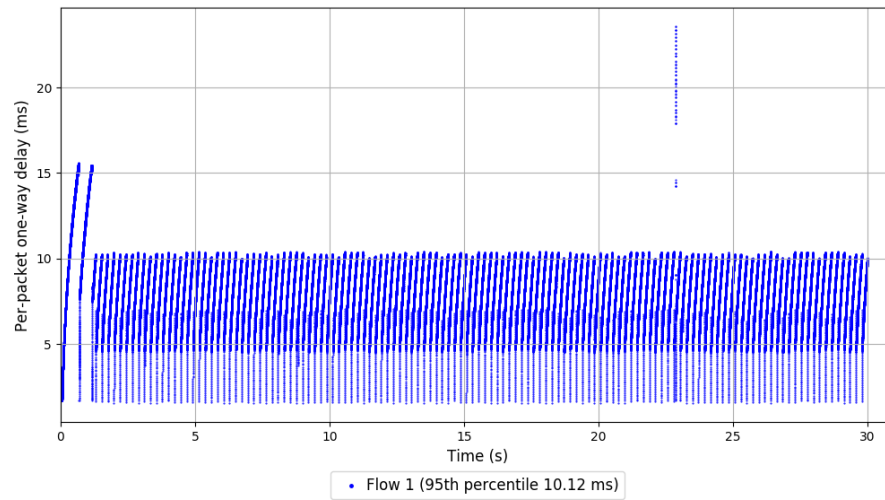
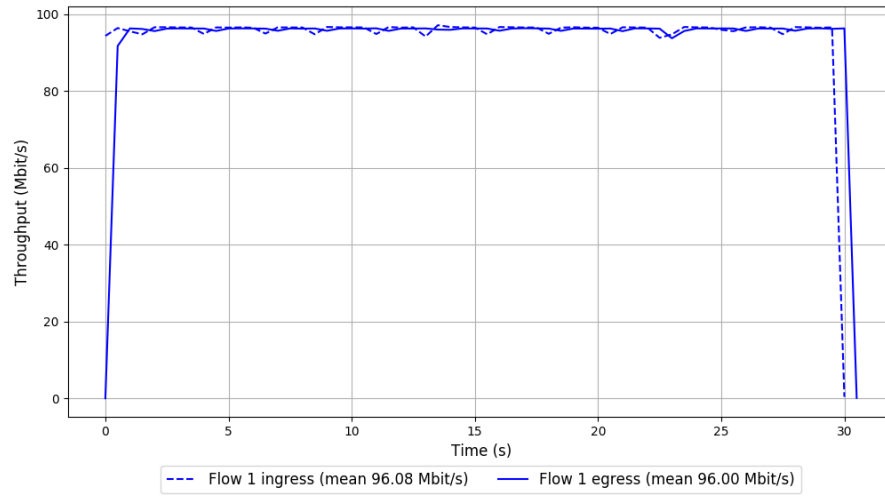
-- Flow 1:

Average throughput: 96.00 Mbit/s

95th percentile per-packet one-way delay: 10.115 ms

Loss rate: 0.09%

Run 5: Report of LEDBAT — Data Link

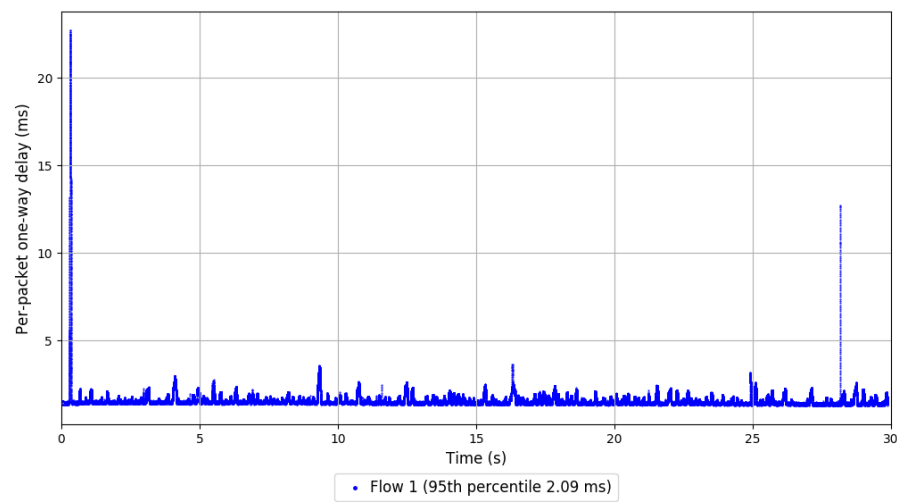
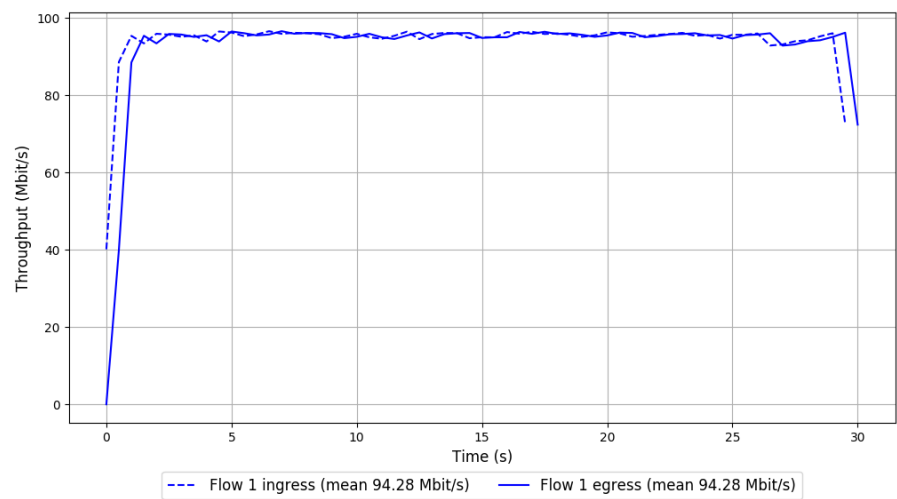


```
Run 1: Statistics of PCC-Allegro

Start at: 2019-03-09 07:48:11
End at: 2019-03-09 07:48:41
Local clock offset: -5.083 ms
Remote clock offset: -0.396 ms

# Below is generated by plot.py at 2019-03-09 09:43:49
# Datalink statistics
-- Total of 1 flow:
Average throughput: 94.28 Mbit/s
95th percentile per-packet one-way delay: 2.087 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 94.28 Mbit/s
95th percentile per-packet one-way delay: 2.087 ms
Loss rate: 0.01%
```

Run 1: Report of PCC-Allegro — Data Link



Run 2: Statistics of PCC-Allegro

Start at: 2019-03-09 08:11:54

End at: 2019-03-09 08:12:24

Local clock offset: -1.723 ms

Remote clock offset: 0.073 ms

Below is generated by plot.py at 2019-03-09 09:43:59

Datalink statistics

-- Total of 1 flow:

Average throughput: 93.67 Mbit/s

95th percentile per-packet one-way delay: 3.246 ms

Loss rate: 0.01%

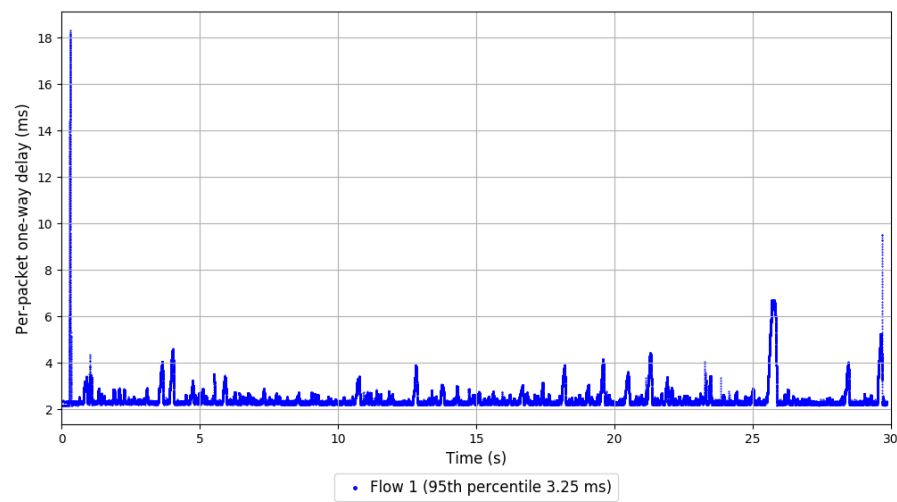
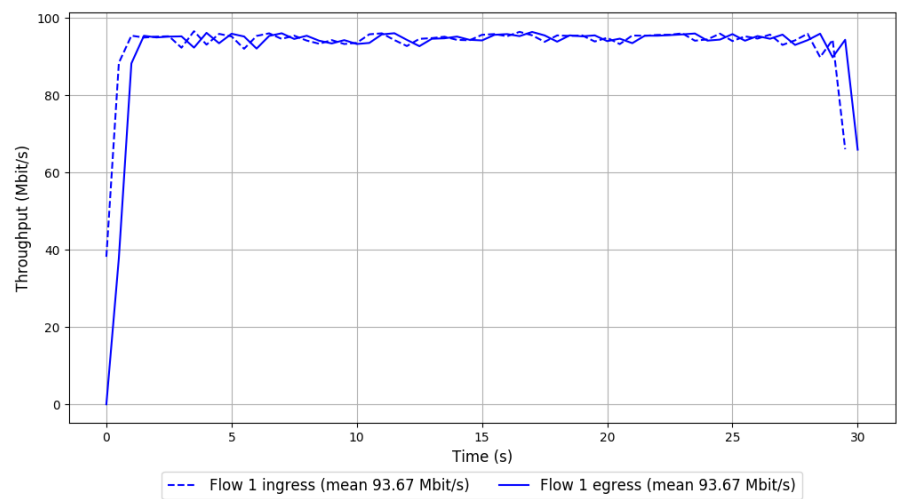
-- Flow 1:

Average throughput: 93.67 Mbit/s

95th percentile per-packet one-way delay: 3.246 ms

Loss rate: 0.01%

Run 2: Report of PCC-Allegro — Data Link



Run 3: Statistics of PCC-Allegro

Start at: 2019-03-09 08:35:37

End at: 2019-03-09 08:36:07

Local clock offset: -6.687 ms

Remote clock offset: 0.221 ms

Below is generated by plot.py at 2019-03-09 09:43:59

Datalink statistics

-- Total of 1 flow:

Average throughput: 94.11 Mbit/s

95th percentile per-packet one-way delay: 3.022 ms

Loss rate: 0.01%

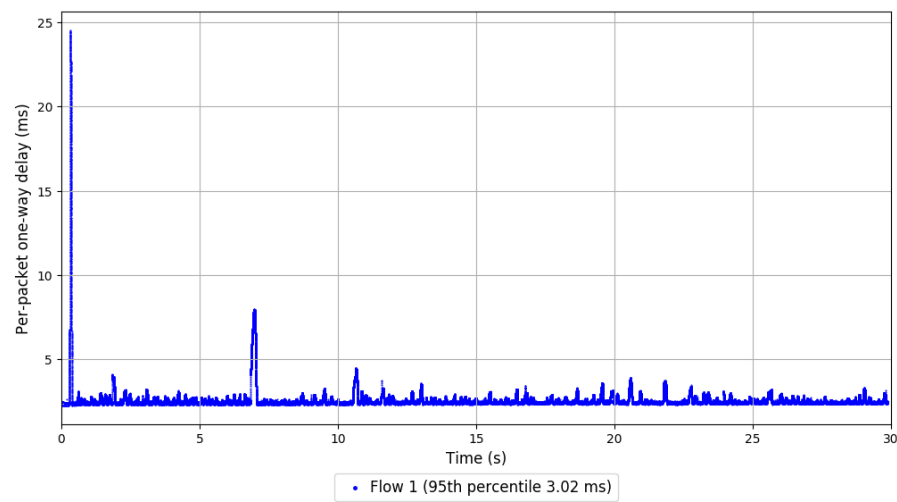
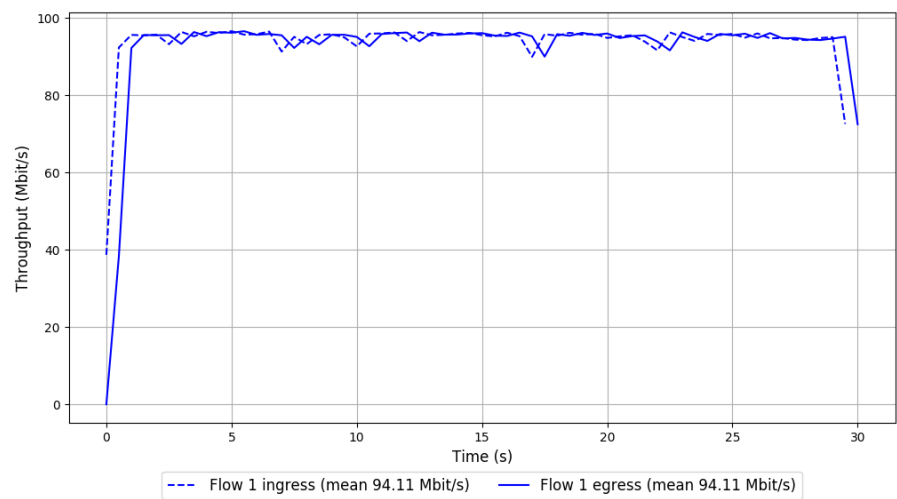
-- Flow 1:

Average throughput: 94.11 Mbit/s

95th percentile per-packet one-way delay: 3.022 ms

Loss rate: 0.01%

Run 3: Report of PCC-Allegro — Data Link



Run 4: Statistics of PCC-Allegro

Start at: 2019-03-09 08:59:19

End at: 2019-03-09 08:59:49

Local clock offset: -6.355 ms

Remote clock offset: 0.302 ms

Below is generated by plot.py at 2019-03-09 09:44:08

Datalink statistics

-- Total of 1 flow:

Average throughput: 90.99 Mbit/s

95th percentile per-packet one-way delay: 2.888 ms

Loss rate: 0.01%

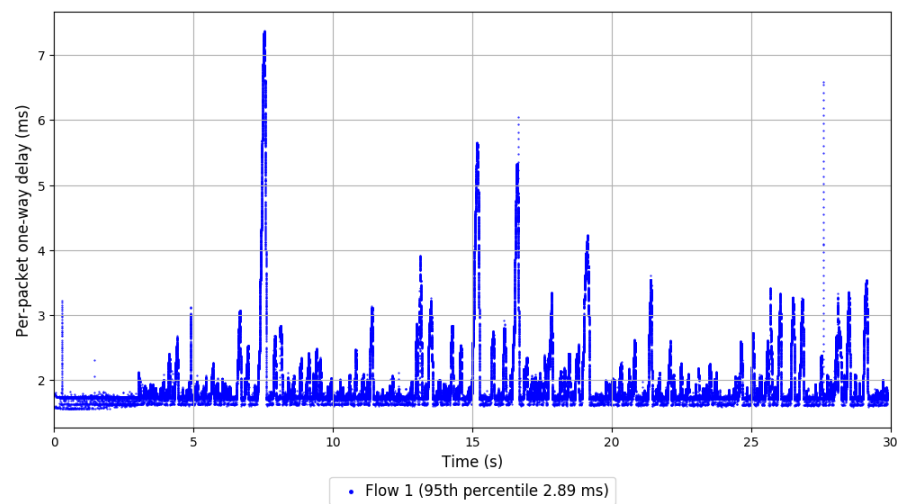
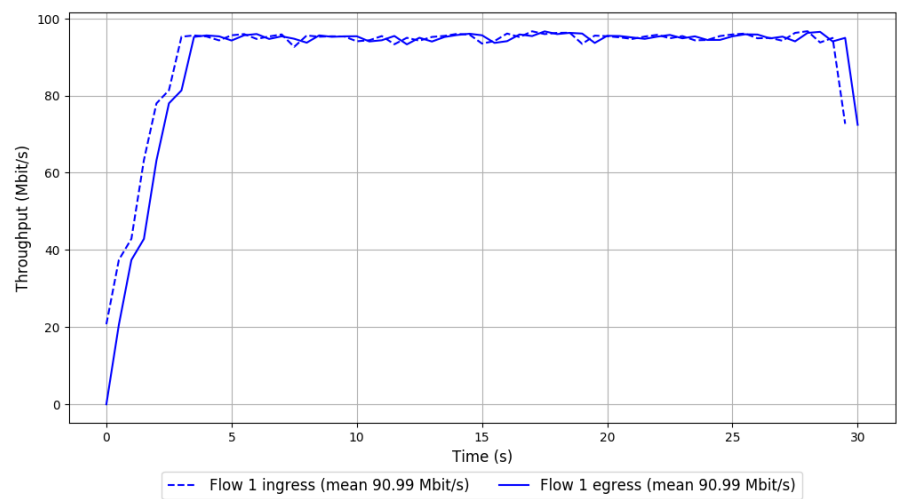
-- Flow 1:

Average throughput: 90.99 Mbit/s

95th percentile per-packet one-way delay: 2.888 ms

Loss rate: 0.01%

Run 4: Report of PCC-Allegro — Data Link



Run 5: Statistics of PCC-Allegro

Start at: 2019-03-09 09:23:01

End at: 2019-03-09 09:23:31

Local clock offset: -5.336 ms

Remote clock offset: 0.596 ms

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

Datalink statistics

-- Total of 1 flow:

Average throughput: 90.24 Mbit/s

95th percentile per-packet one-way delay: 3.384 ms

Loss rate: 0.01%

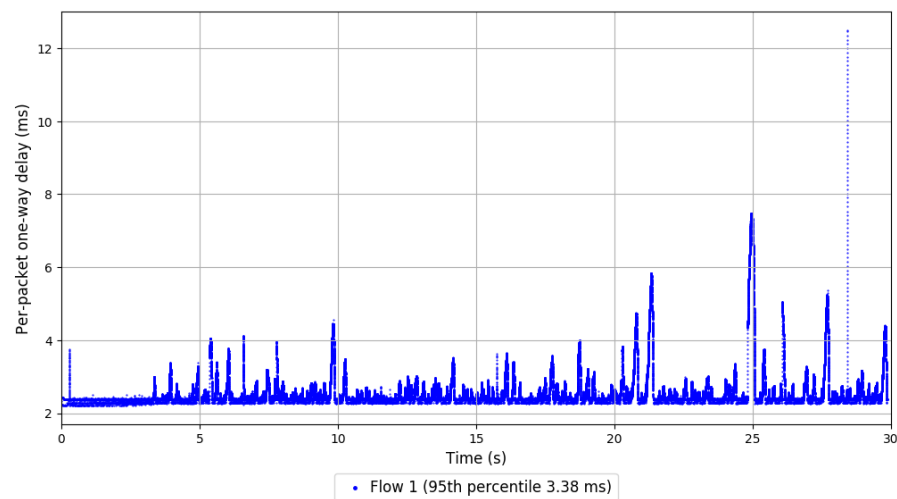
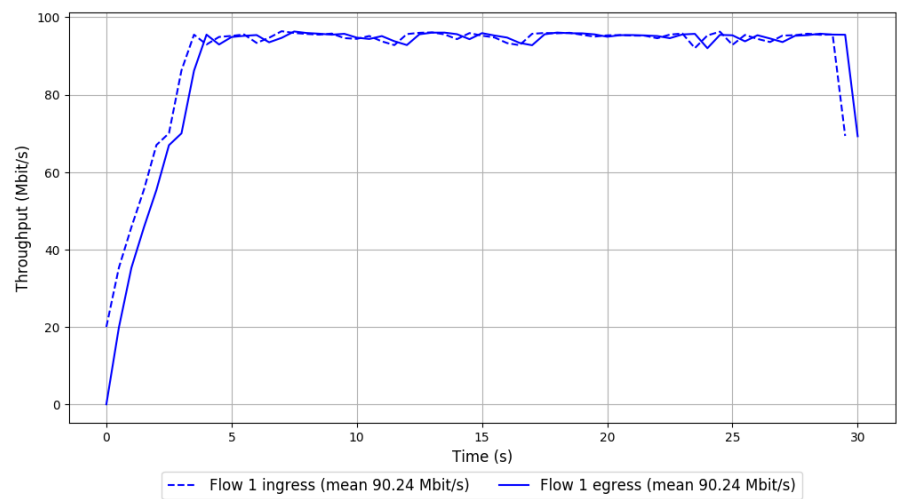
-- Flow 1:

Average throughput: 90.24 Mbit/s

95th percentile per-packet one-way delay: 3.384 ms

Loss rate: 0.01%

Run 5: Report of PCC-Allegro — Data Link

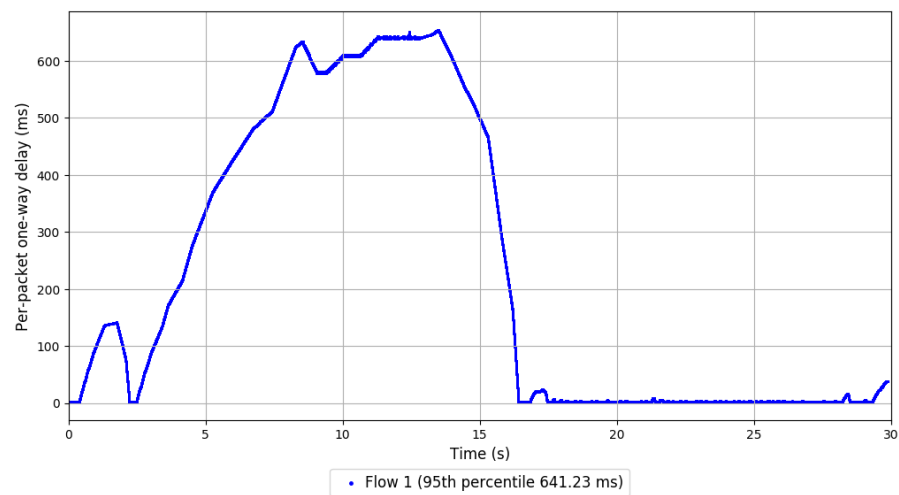
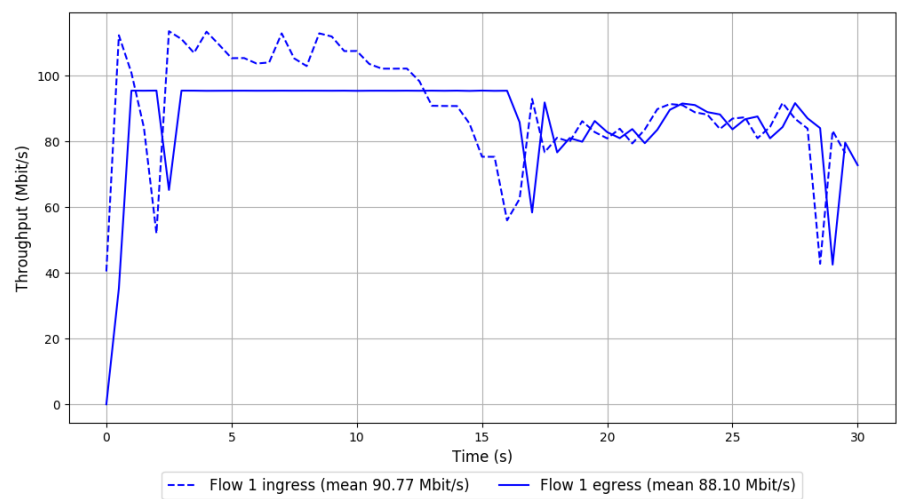


Run 1: Statistics of PCC-Expr

Start at: 2019-03-09 07:51:32
End at: 2019-03-09 07:52:02
Local clock offset: -3.573 ms
Remote clock offset: -0.314 ms

Below is generated by plot.py at 2019-03-09 09:45:18
Datalink statistics
-- Total of 1 flow:
Average throughput: 88.10 Mbit/s
95th percentile per-packet one-way delay: 641.225 ms
Loss rate: 2.95%
-- Flow 1:
Average throughput: 88.10 Mbit/s
95th percentile per-packet one-way delay: 641.225 ms
Loss rate: 2.95%

Run 1: Report of PCC-Expr — Data Link



Run 2: Statistics of PCC-Expr

Start at: 2019-03-09 08:15:15

End at: 2019-03-09 08:15:45

Local clock offset: -2.958 ms

Remote clock offset: 0.127 ms

Below is generated by plot.py at 2019-03-09 09:45:32

Datalink statistics

-- Total of 1 flow:

Average throughput: 83.93 Mbit/s

95th percentile per-packet one-way delay: 10.852 ms

Loss rate: 0.03%

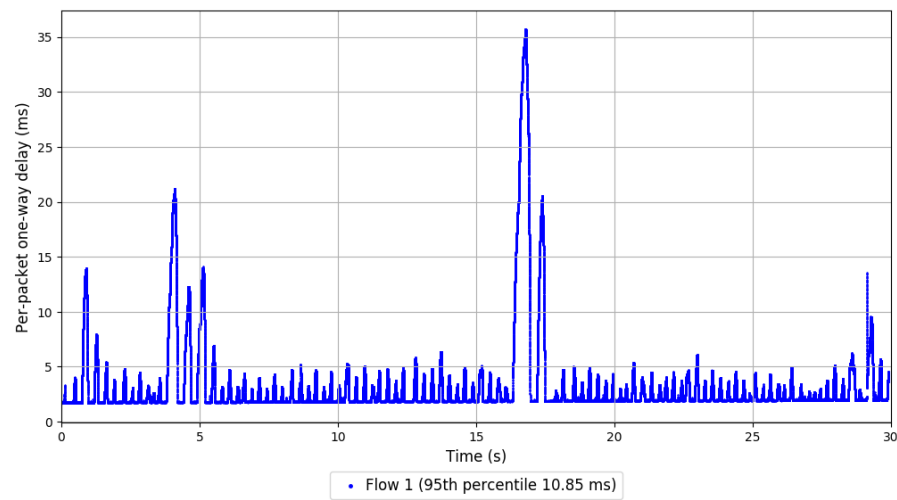
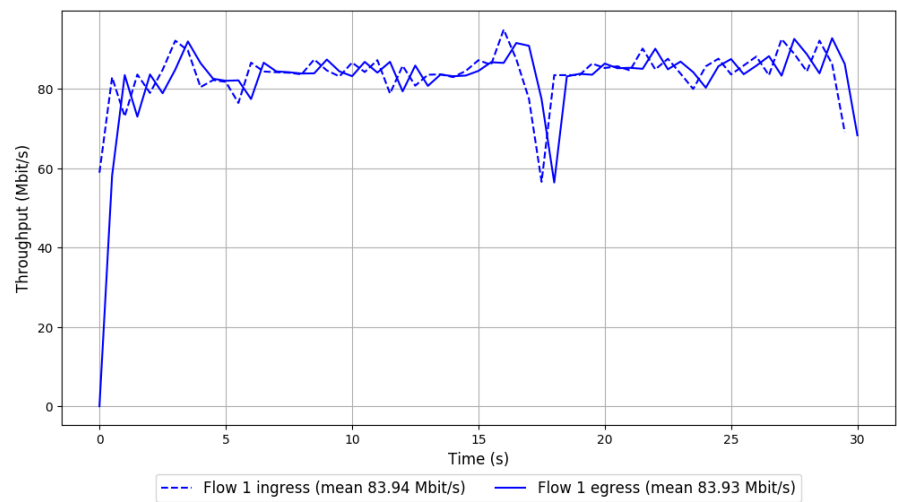
-- Flow 1:

Average throughput: 83.93 Mbit/s

95th percentile per-packet one-way delay: 10.852 ms

Loss rate: 0.03%

Run 2: Report of PCC-Expr — Data Link



Run 3: Statistics of PCC-Expr

Start at: 2019-03-09 08:38:57

End at: 2019-03-09 08:39:27

Local clock offset: -6.866 ms

Remote clock offset: 0.232 ms

Below is generated by plot.py at 2019-03-09 09:45:41

Datalink statistics

-- Total of 1 flow:

Average throughput: 84.02 Mbit/s

95th percentile per-packet one-way delay: 29.777 ms

Loss rate: 0.04%

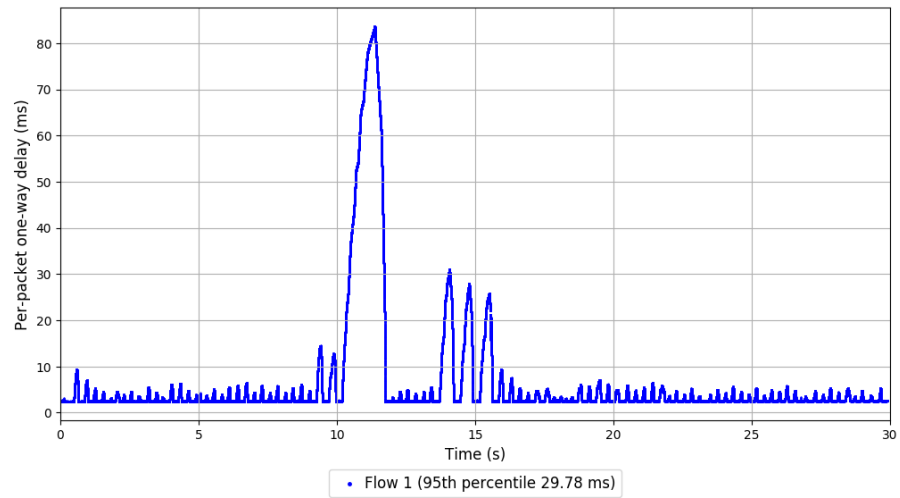
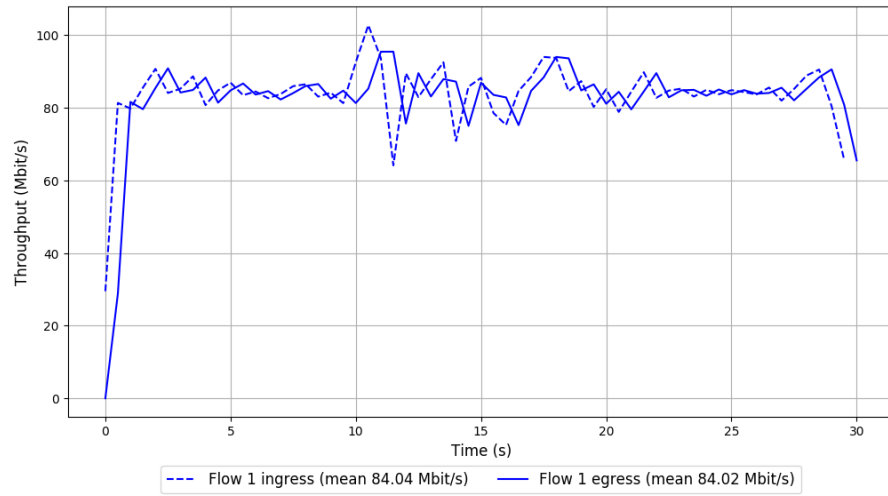
-- Flow 1:

Average throughput: 84.02 Mbit/s

95th percentile per-packet one-way delay: 29.777 ms

Loss rate: 0.04%

Run 3: Report of PCC-Expr — Data Link



Run 4: Statistics of PCC-Expr

Start at: 2019-03-09 09:02:39

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

Local clock offset: -5.476 ms

Remote clock offset: 0.419 ms

Below is generated by plot.py at 2019-03-09 09:45:44

Datalink statistics

-- Total of 1 flow:

Average throughput: 83.65 Mbit/s

95th percentile per-packet one-way delay: 643.986 ms

Loss rate: 7.95%

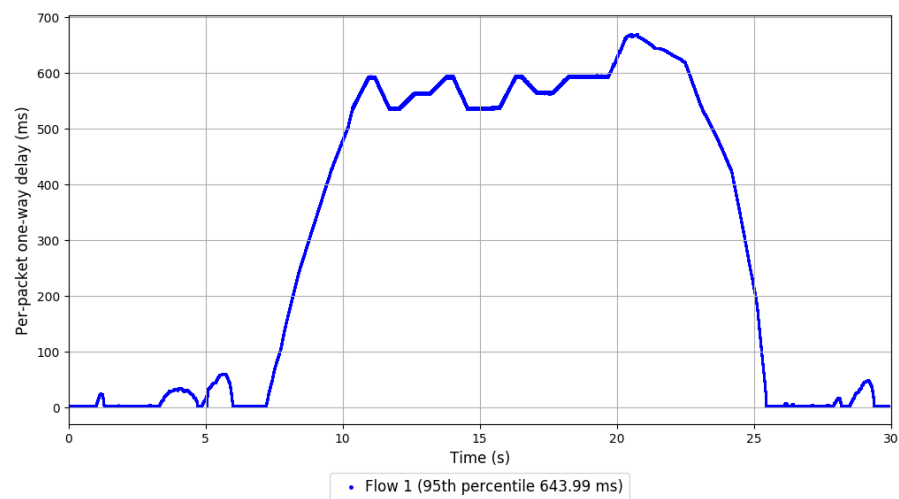
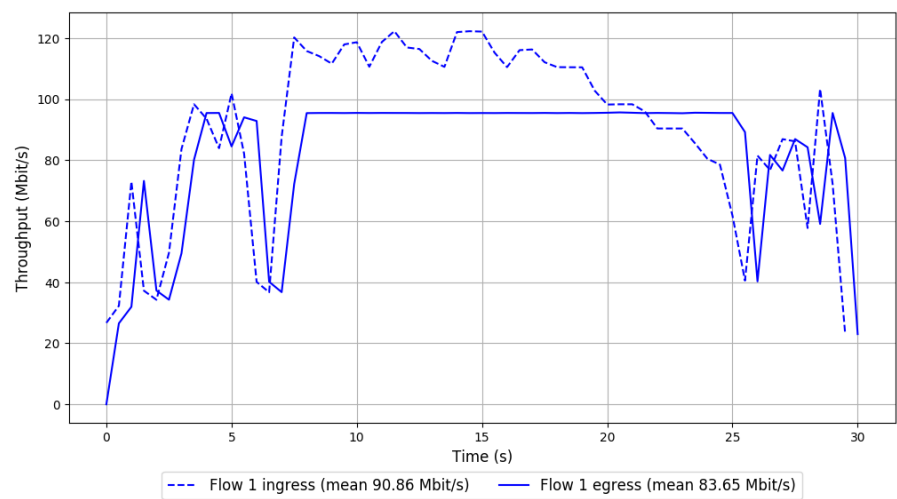
-- Flow 1:

Average throughput: 83.65 Mbit/s

95th percentile per-packet one-way delay: 643.986 ms

Loss rate: 7.95%

Run 4: Report of PCC-Expr — Data Link



Run 5: Statistics of PCC-Expr

Start at: 2019-03-09 09:26:21

End at: 2019-03-09 09:26:51

Local clock offset: -6.065 ms

Remote clock offset: 0.563 ms

Below is generated by plot.py at 2019-03-09 09:45:55

Datalink statistics

-- Total of 1 flow:

Average throughput: 87.79 Mbit/s

95th percentile per-packet one-way delay: 648.349 ms

Loss rate: 2.66%

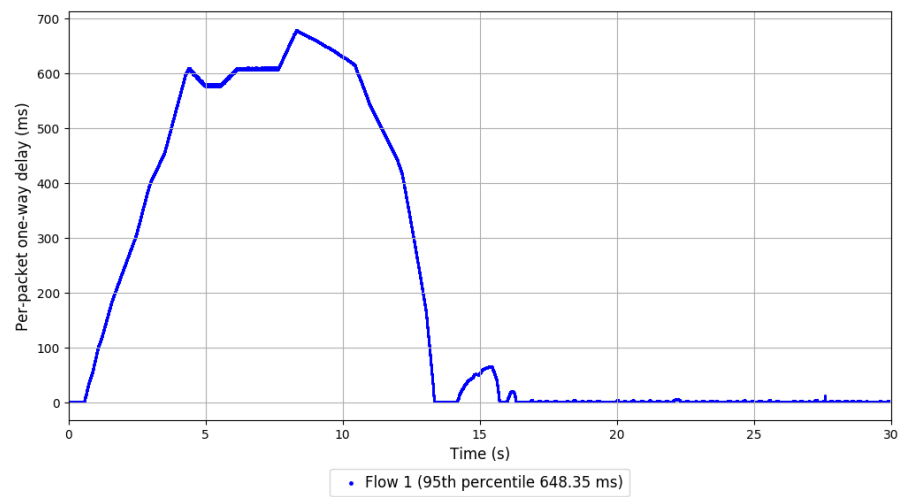
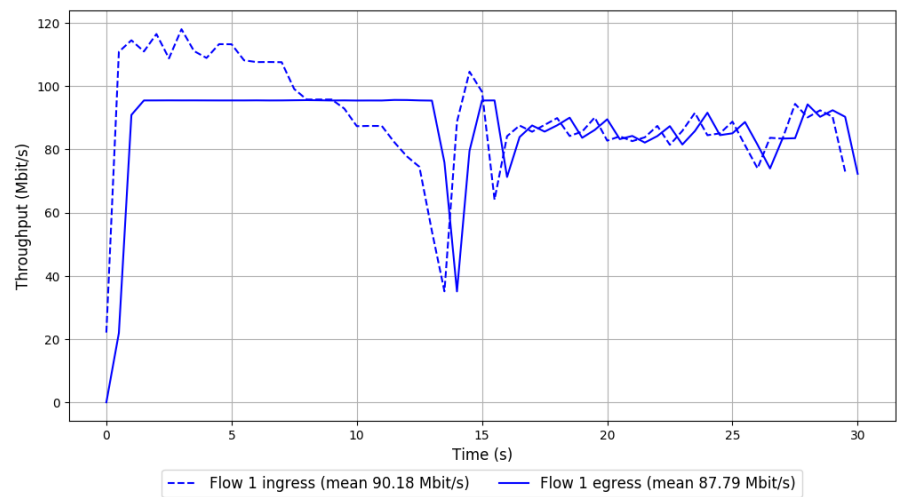
-- Flow 1:

Average throughput: 87.79 Mbit/s

95th percentile per-packet one-way delay: 648.349 ms

Loss rate: 2.66%

Run 5: Report of PCC-Expr — Data Link



Run 1: Statistics of QUIC Cubic

Start at: 2019-03-09 07:43:35

End at: 2019-03-09 07:44:05

Local clock offset: -5.45 ms

Remote clock offset: -0.454 ms

Below is generated by plot.py at 2019-03-09 09:45:55

Datalink statistics

-- Total of 1 flow:

Average throughput: 91.44 Mbit/s

95th percentile per-packet one-way delay: 8.669 ms

Loss rate: 0.02%

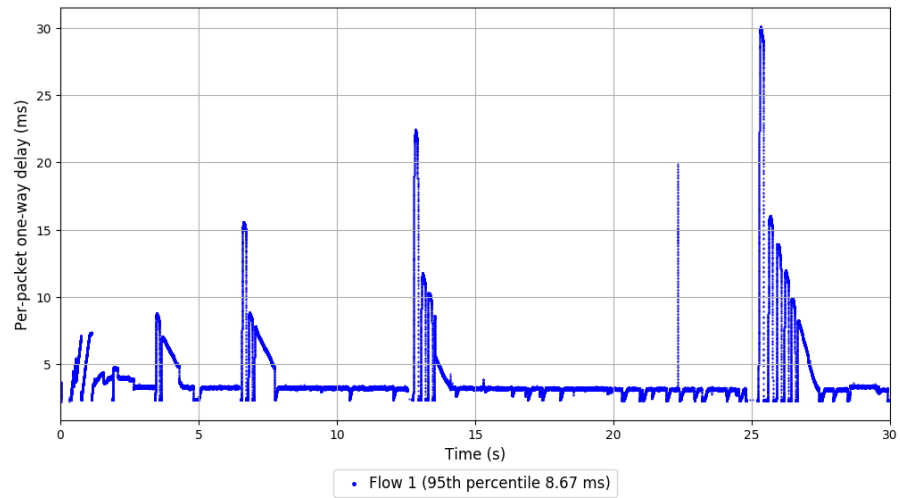
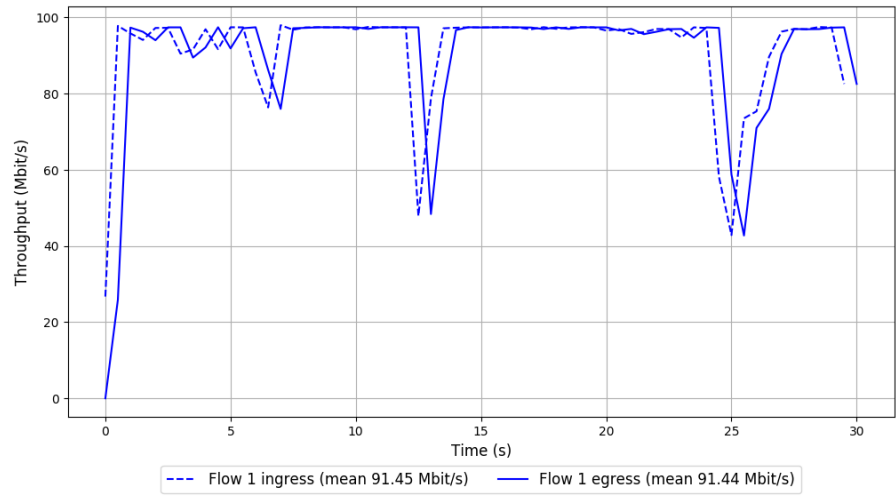
-- Flow 1:

Average throughput: 91.44 Mbit/s

95th percentile per-packet one-way delay: 8.669 ms

Loss rate: 0.02%

Run 1: Report of QUIC Cubic — Data Link



Run 2: Statistics of QUIC Cubic

Start at: 2019-03-09 08:07:18

End at: 2019-03-09 08:07:48

Local clock offset: -2.719 ms

Remote clock offset: -0.041 ms

Below is generated by plot.py at 2019-03-09 09:45:55

Datalink statistics

-- Total of 1 flow:

Average throughput: 90.99 Mbit/s

95th percentile per-packet one-way delay: 4.071 ms

Loss rate: 0.01%

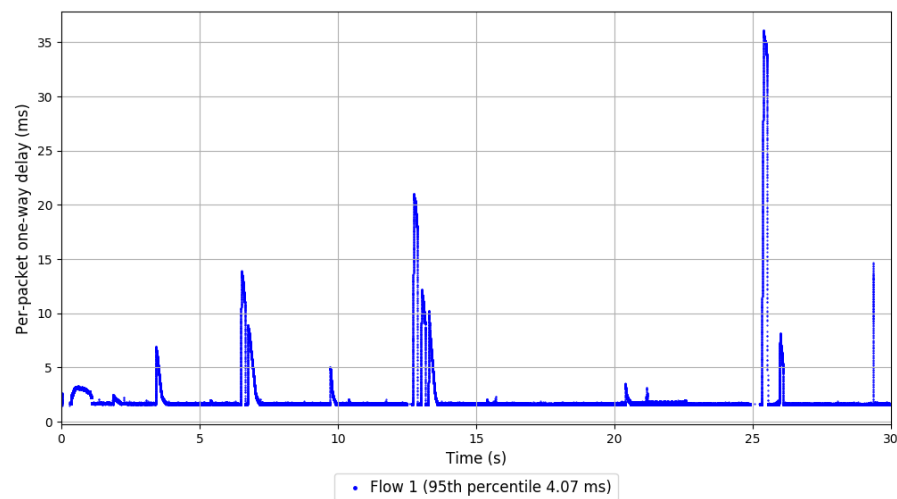
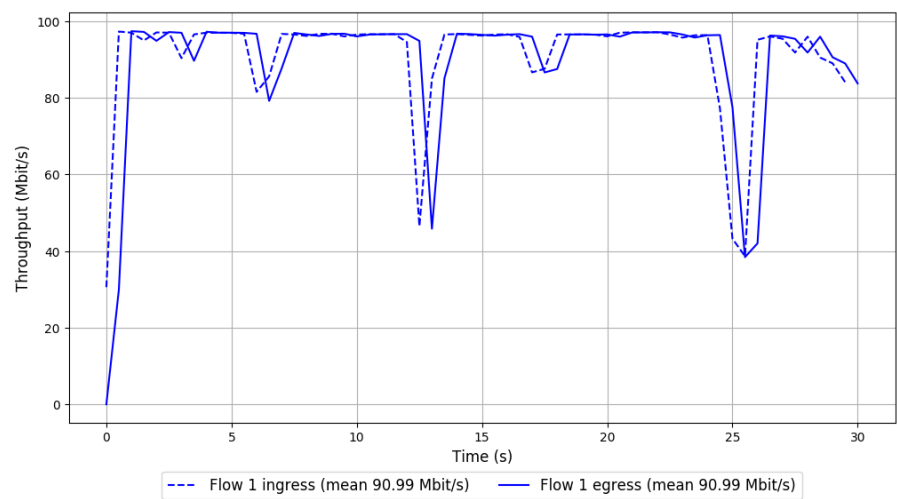
-- Flow 1:

Average throughput: 90.99 Mbit/s

95th percentile per-packet one-way delay: 4.071 ms

Loss rate: 0.01%

Run 2: Report of QUIC Cubic — Data Link



Run 3: Statistics of QUIC Cubic

Start at: 2019-03-09 08:31:00

End at: 2019-03-09 08:31:30

Local clock offset: -6.18 ms

Remote clock offset: 0.242 ms

Below is generated by plot.py at 2019-03-09 09:45:55

Datalink statistics

-- Total of 1 flow:

Average throughput: 88.25 Mbit/s

95th percentile per-packet one-way delay: 6.752 ms

Loss rate: 0.02%

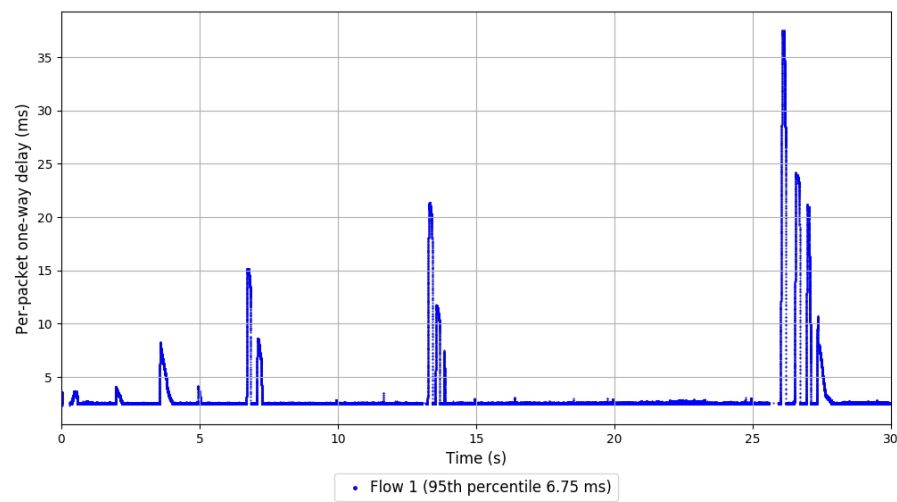
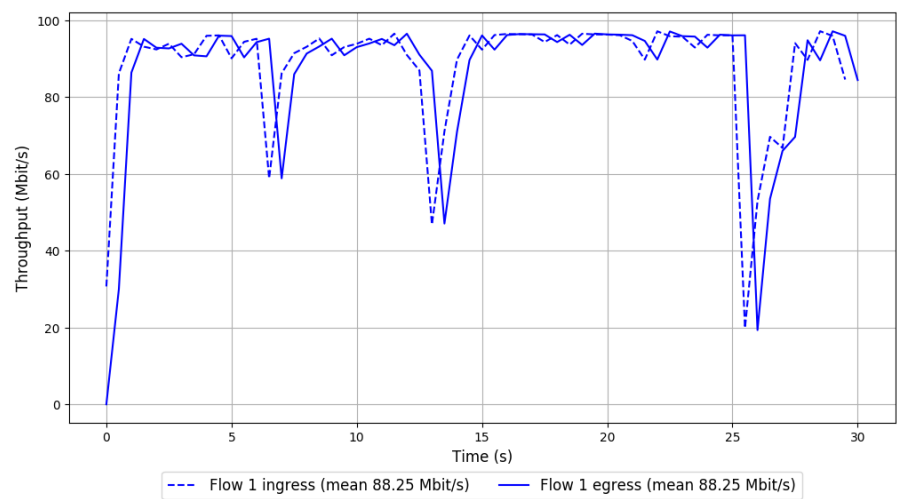
-- Flow 1:

Average throughput: 88.25 Mbit/s

95th percentile per-packet one-way delay: 6.752 ms

Loss rate: 0.02%

Run 3: Report of QUIC Cubic — Data Link



Run 4: Statistics of QUIC Cubic

Start at: 2019-03-09 08:54:42

End at: 2019-03-09 08:55:12

Local clock offset: -6.581 ms

Remote clock offset: 0.383 ms

Below is generated by plot.py at 2019-03-09 09:46:18

Datalink statistics

-- Total of 1 flow:

Average throughput: 88.88 Mbit/s

95th percentile per-packet one-way delay: 3.796 ms

Loss rate: 0.01%

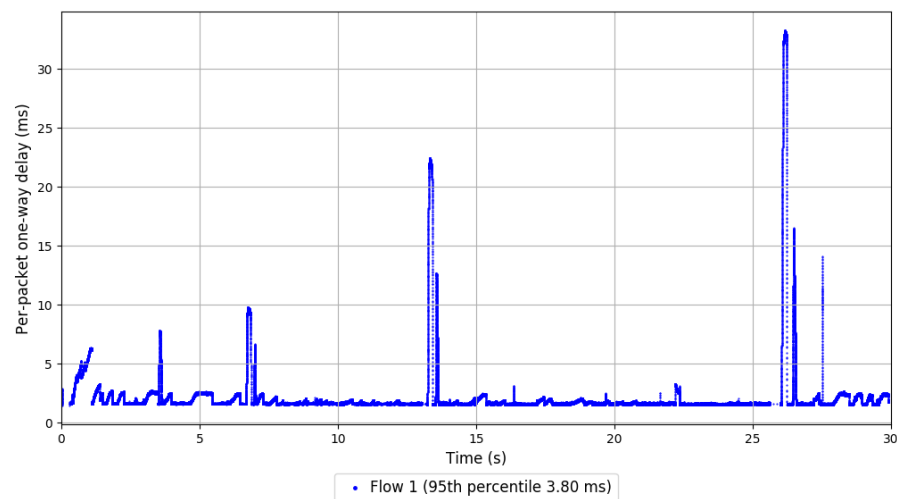
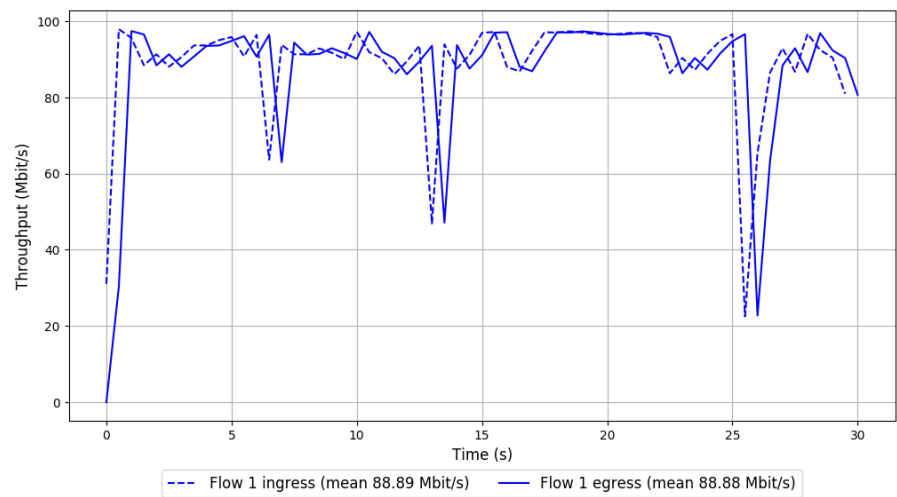
-- Flow 1:

Average throughput: 88.88 Mbit/s

95th percentile per-packet one-way delay: 3.796 ms

Loss rate: 0.01%

Run 4: Report of QUIC Cubic — Data Link



Run 5: Statistics of QUIC Cubic

Start at: 2019-03-09 09:18:24

End at: 2019-03-09 09:18:54

Local clock offset: -6.08 ms

Remote clock offset: 0.539 ms

Below is generated by plot.py at 2019-03-09 09:46:26

Datalink statistics

-- Total of 1 flow:

Average throughput: 90.64 Mbit/s

95th percentile per-packet one-way delay: 4.265 ms

Loss rate: 0.02%

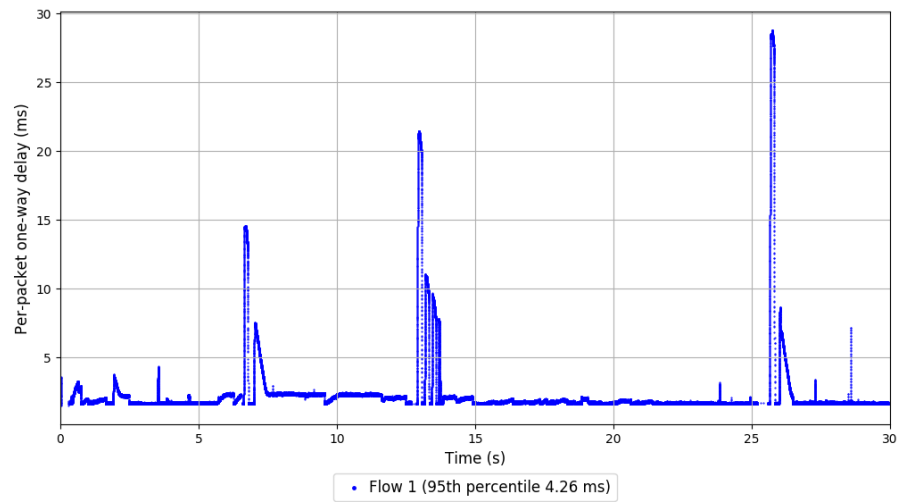
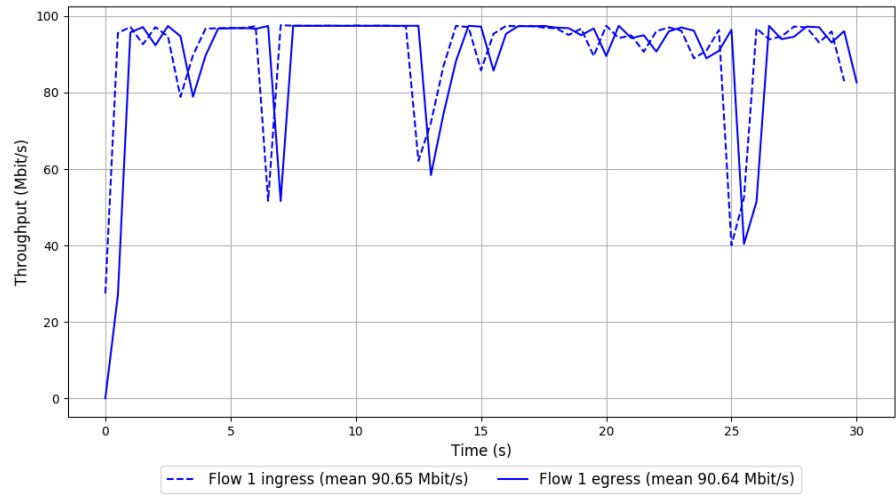
-- Flow 1:

Average throughput: 90.64 Mbit/s

95th percentile per-packet one-way delay: 4.265 ms

Loss rate: 0.02%

Run 5: Report of QUIC Cubic — Data Link

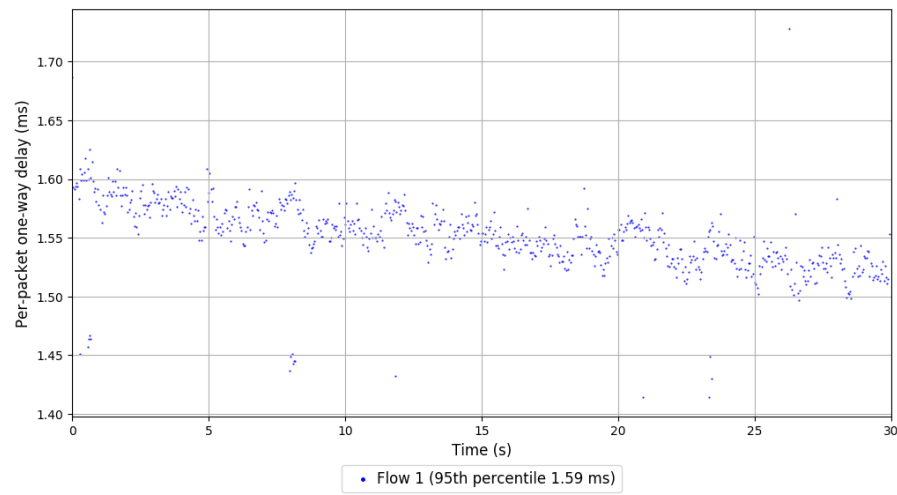
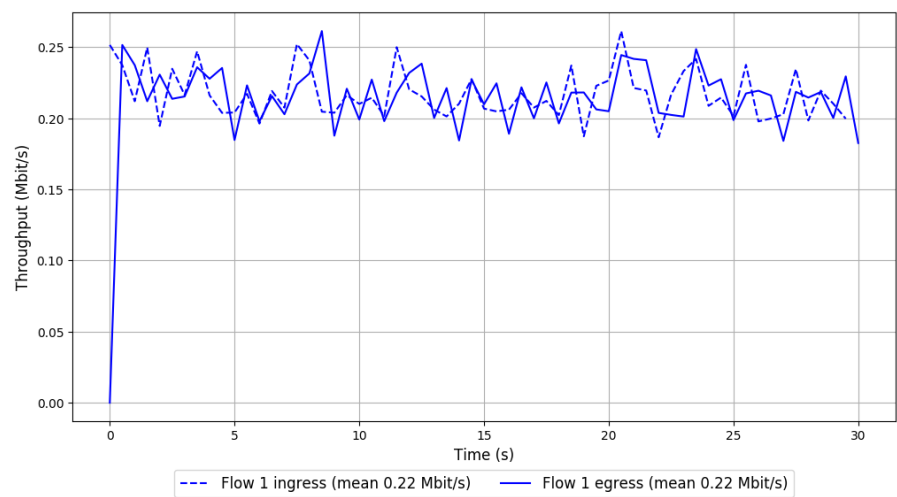


Run 1: Statistics of SCReAM

Start at: 2019-03-09 07:53:49
End at: 2019-03-09 07:54:19
Local clock offset: -3.965 ms
Remote clock offset: -0.272 ms

Below is generated by plot.py at 2019-03-09 09:46:26
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 1.591 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 1.591 ms
Loss rate: 0.13%

Run 1: Report of SReAM — Data Link



Run 2: Statistics of SCReAM

Start at: 2019-03-09 08:17:31

End at: 2019-03-09 08:18:01

Local clock offset: -3.981 ms

Remote clock offset: 0.103 ms

Below is generated by plot.py at 2019-03-09 09:46:26

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 1.979 ms

Loss rate: 0.00%

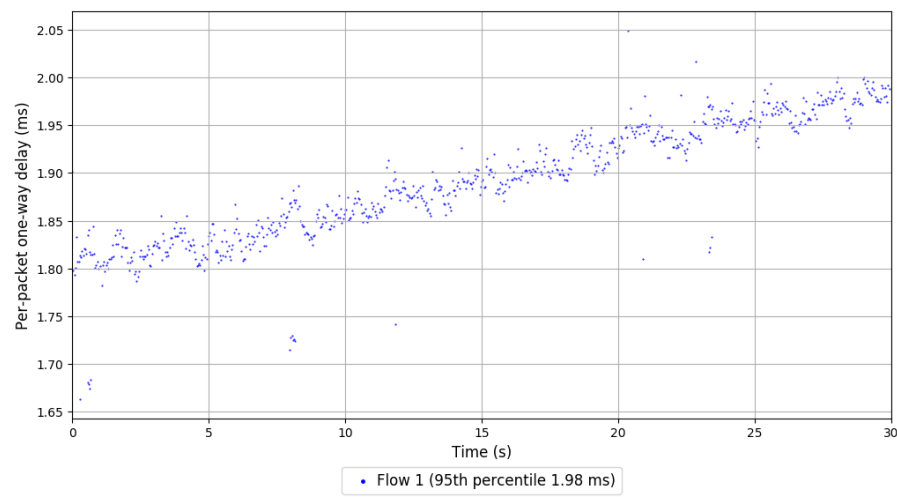
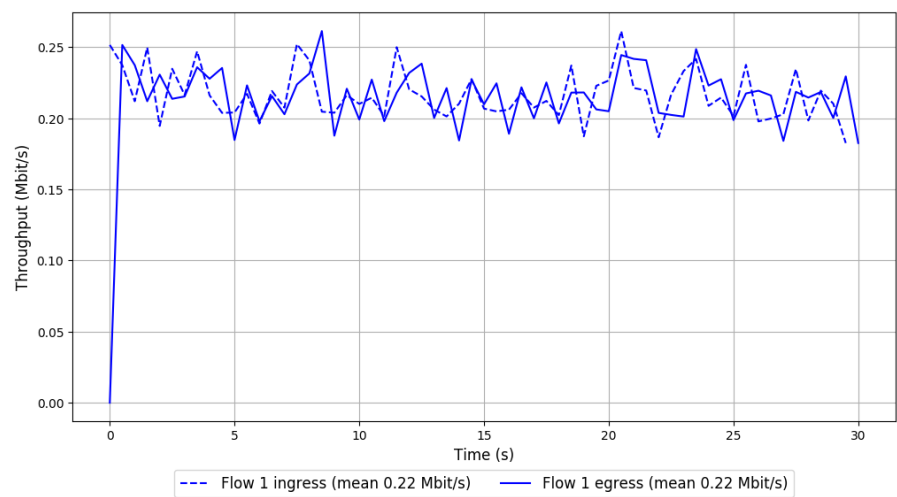
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 1.979 ms

Loss rate: 0.00%

Run 2: Report of SReAM — Data Link



Run 3: Statistics of SCReAM

Start at: 2019-03-09 08:41:14

End at: 2019-03-09 08:41:44

Local clock offset: -7.729 ms

Remote clock offset: 0.363 ms

Below is generated by plot.py at 2019-03-09 09:46:27

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 1.634 ms

Loss rate: 0.00%

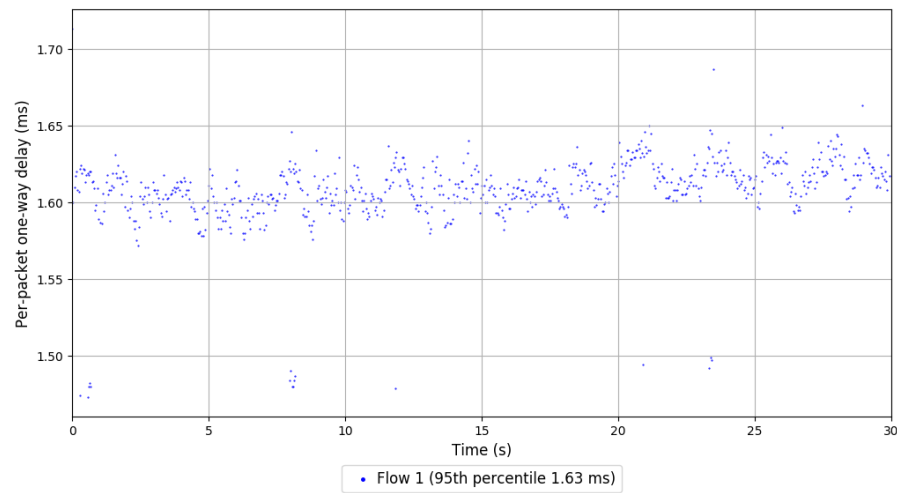
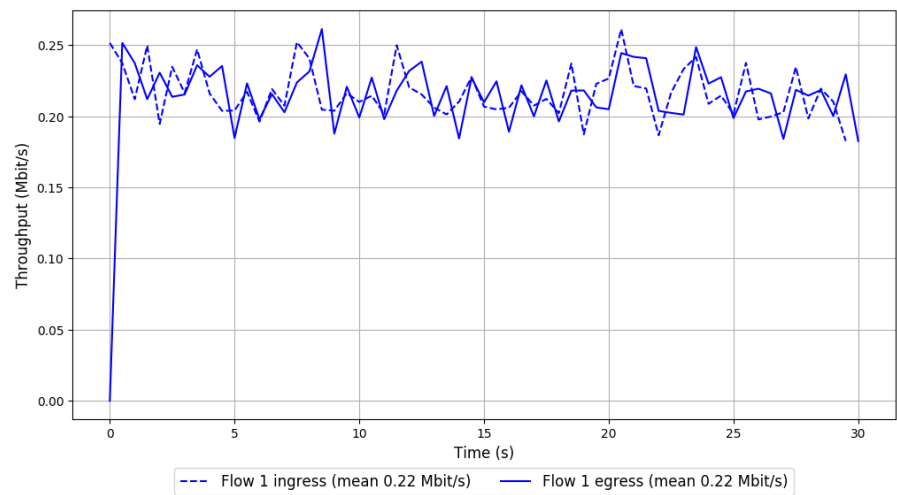
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 1.634 ms

Loss rate: 0.00%

Run 3: Report of SReAM — Data Link



Run 4: Statistics of SCReAM

Start at: 2019-03-09 09:04:56

End at: 2019-03-09 09:05:26

Local clock offset: -5.501 ms

Remote clock offset: 0.431 ms

Below is generated by plot.py at 2019-03-09 09:46:27

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 2.369 ms

Loss rate: 0.00%

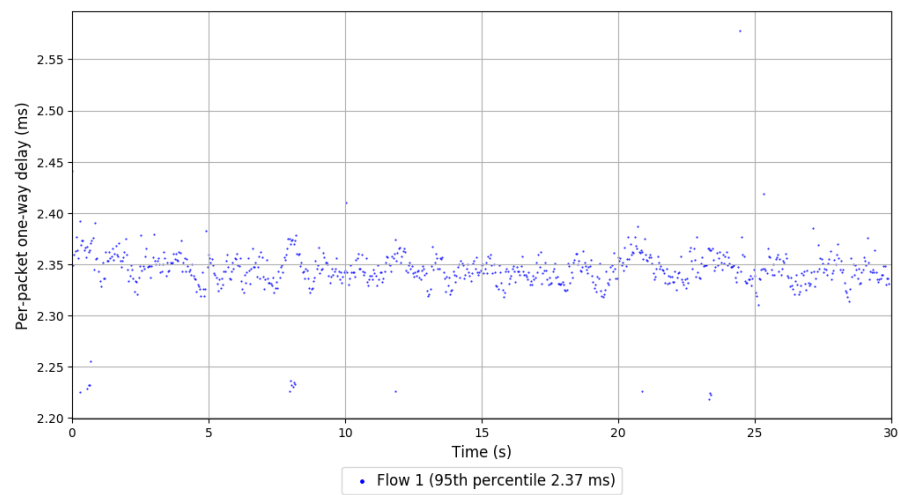
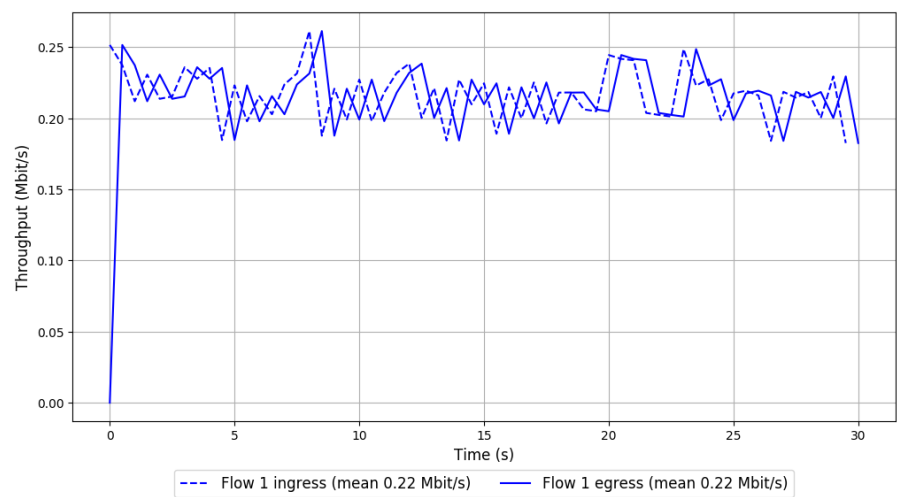
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 2.369 ms

Loss rate: 0.00%

Run 4: Report of SReAM — Data Link



Run 5: Statistics of SCReAM

Start at: 2019-03-09 09:28:38

End at: 2019-03-09 09:29:08

Local clock offset: -5.304 ms

Remote clock offset: 0.62 ms

Below is generated by plot.py at 2019-03-09 09:46:27

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 2.454 ms

Loss rate: 0.00%

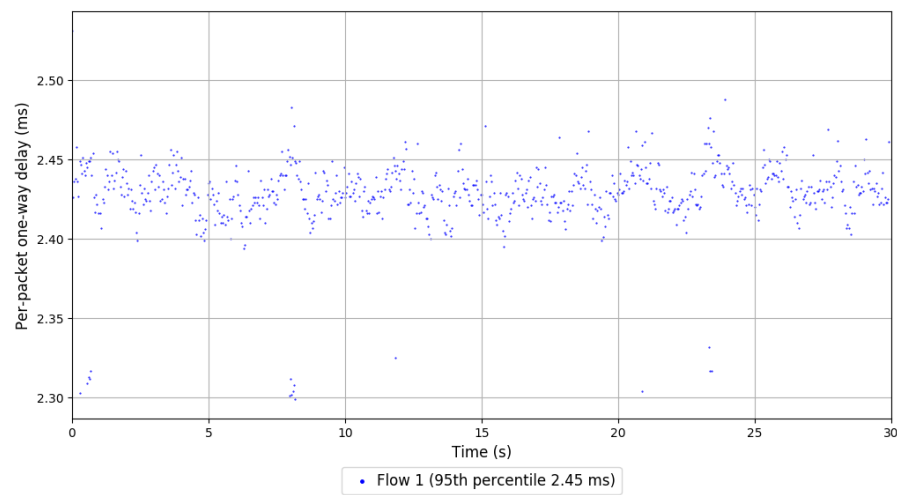
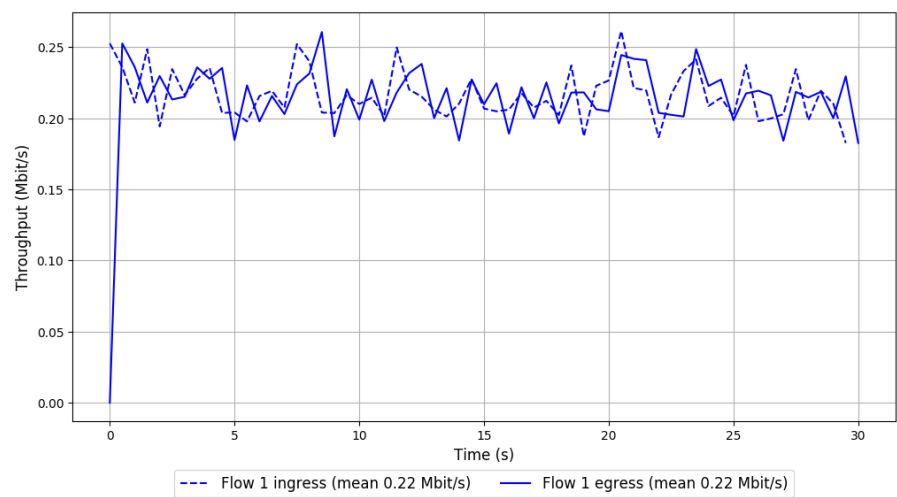
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 2.454 ms

Loss rate: 0.00%

Run 5: Report of SReAM — Data Link

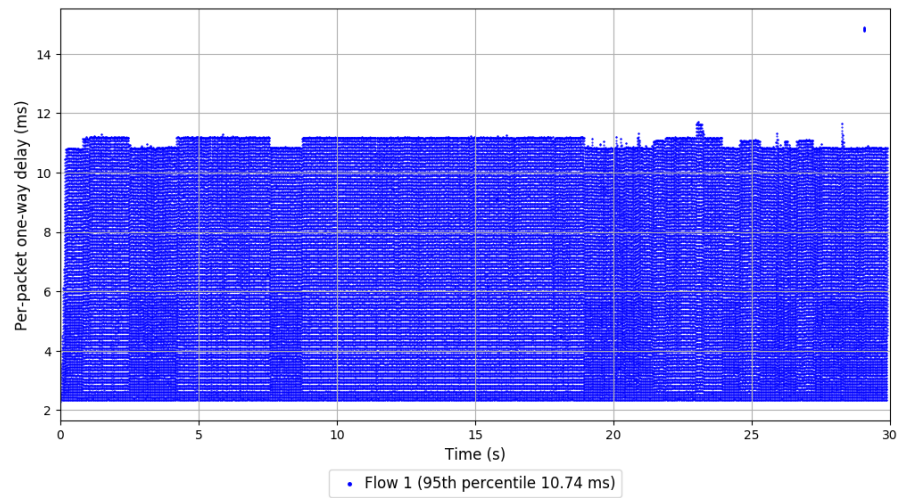
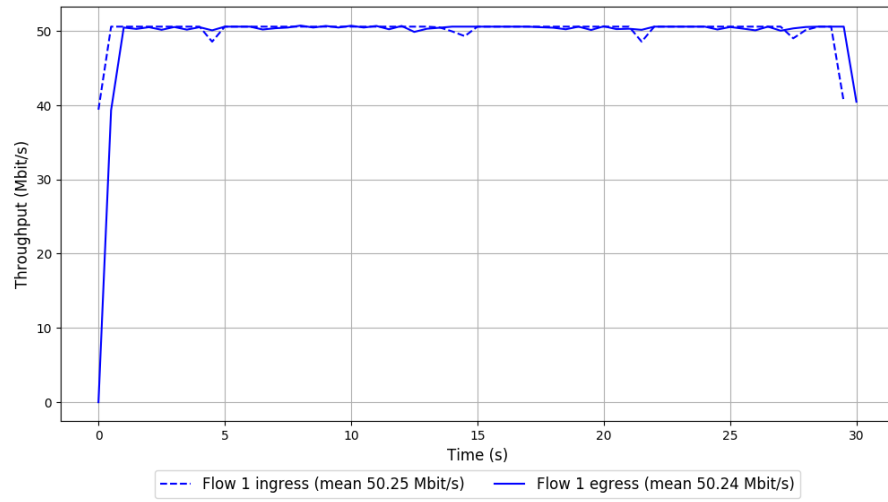


Run 1: Statistics of Sprout

Start at: 2019-03-09 07:38:00
End at: 2019-03-09 07:38:30
Local clock offset: -5.491 ms
Remote clock offset: -0.488 ms

Below is generated by plot.py at 2019-03-09 09:46:27
Datalink statistics
-- Total of 1 flow:
Average throughput: 50.24 Mbit/s
95th percentile per-packet one-way delay: 10.745 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 50.24 Mbit/s
95th percentile per-packet one-way delay: 10.745 ms
Loss rate: 0.00%

Run 1: Report of Sprout — Data Link

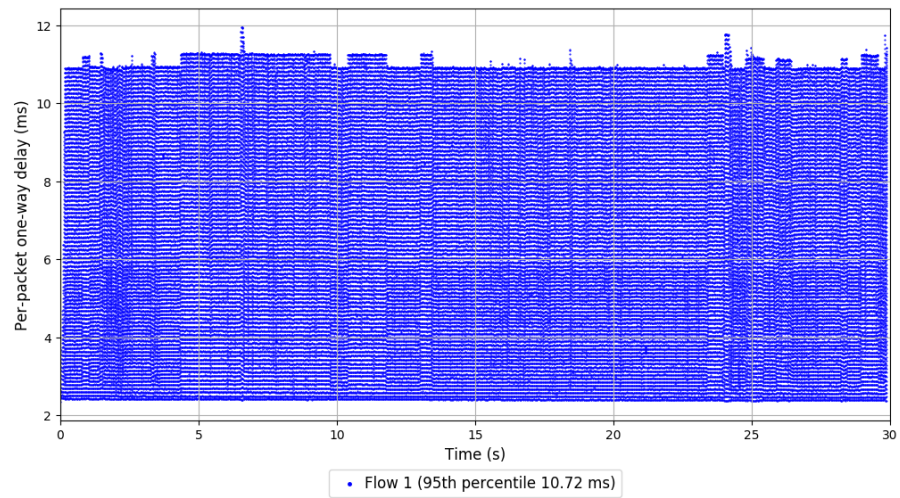
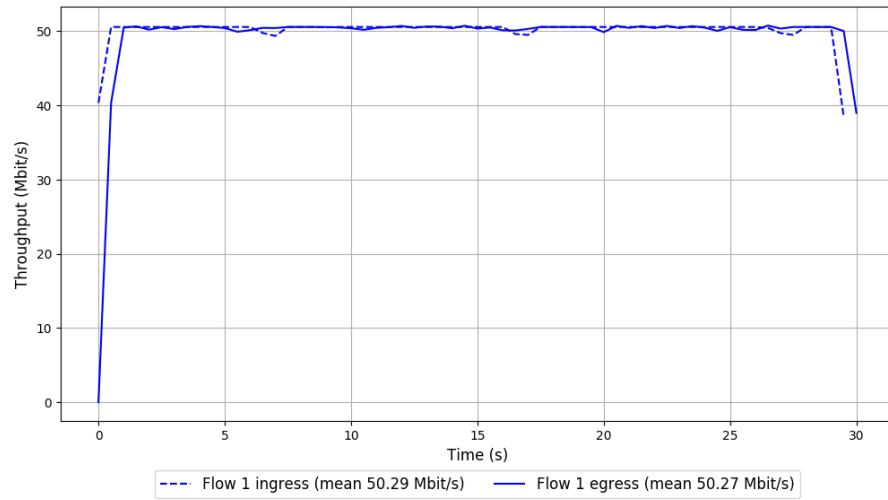


Run 2: Statistics of Sprout

Start at: 2019-03-09 08:01:42
End at: 2019-03-09 08:02:12
Local clock offset: -2.341 ms
Remote clock offset: -0.132 ms

Below is generated by plot.py at 2019-03-09 09:46:27
Datalink statistics
-- Total of 1 flow:
Average throughput: 50.27 Mbit/s
95th percentile per-packet one-way delay: 10.718 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 50.27 Mbit/s
95th percentile per-packet one-way delay: 10.718 ms
Loss rate: 0.00%

Run 2: Report of Sprout — Data Link

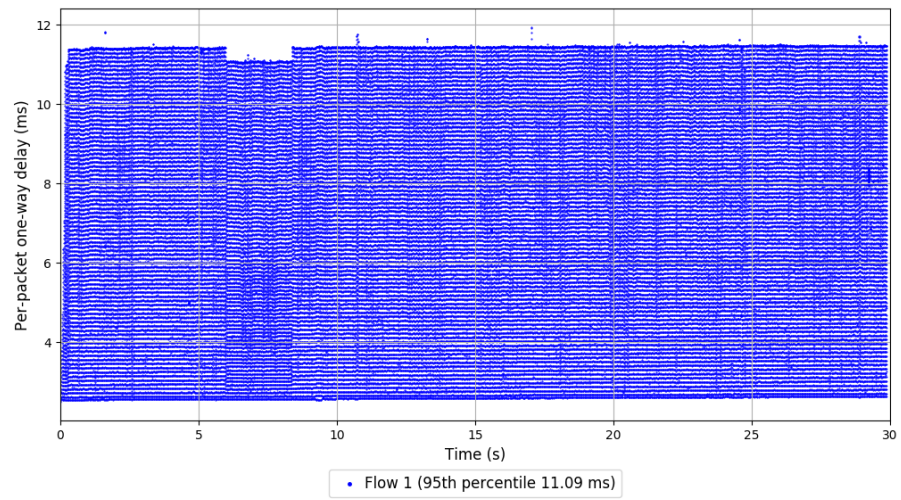
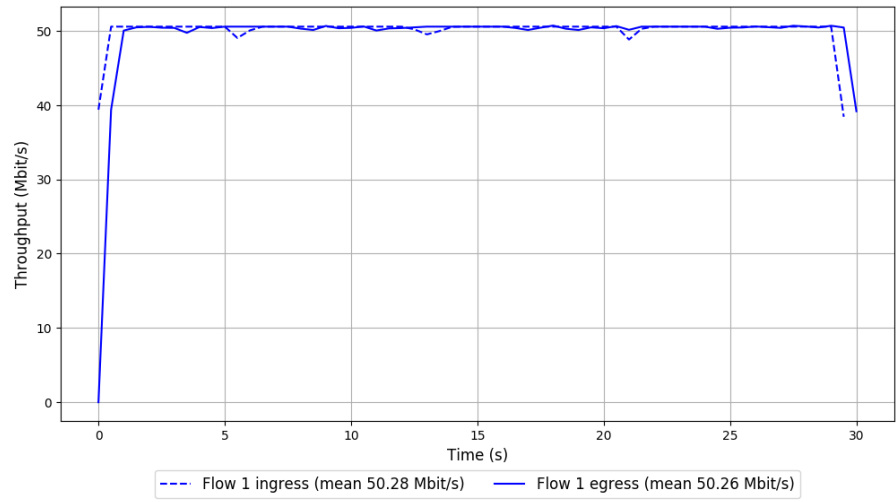


Run 3: Statistics of Sprout

Start at: 2019-03-09 08:25:24
End at: 2019-03-09 08:25:54
Local clock offset: -5.406 ms
Remote clock offset: 0.16 ms

Below is generated by plot.py at 2019-03-09 09:46:27
Datalink statistics
-- Total of 1 flow:
Average throughput: 50.26 Mbit/s
95th percentile per-packet one-way delay: 11.093 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 50.26 Mbit/s
95th percentile per-packet one-way delay: 11.093 ms
Loss rate: 0.00%

Run 3: Report of Sprout — Data Link

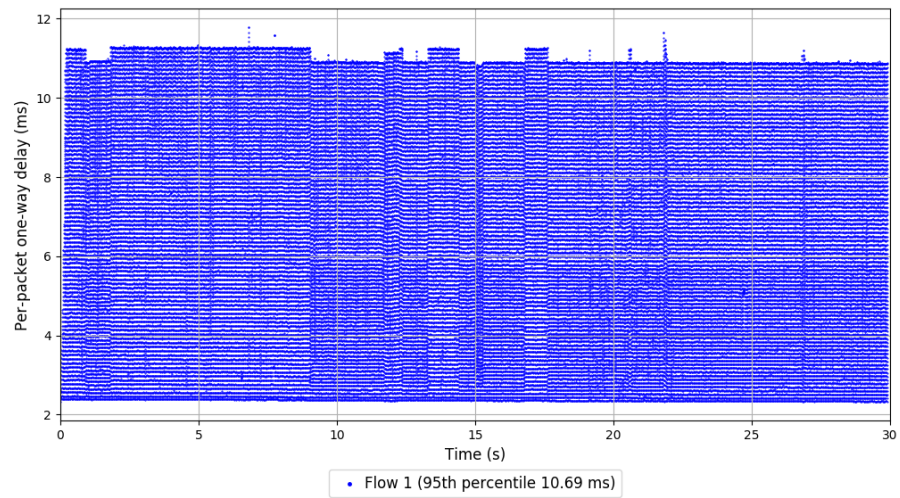
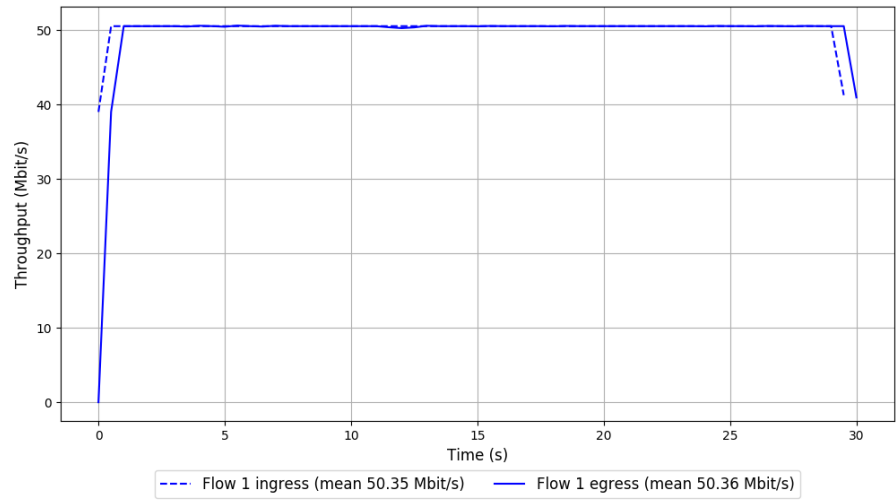


Run 4: Statistics of Sprout

Start at: 2019-03-09 08:49:06
End at: 2019-03-09 08:49:36
Local clock offset: -6.305 ms
Remote clock offset: 0.337 ms

Below is generated by plot.py at 2019-03-09 09:46:27
Datalink statistics
-- Total of 1 flow:
Average throughput: 50.36 Mbit/s
95th percentile per-packet one-way delay: 10.694 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 50.36 Mbit/s
95th percentile per-packet one-way delay: 10.694 ms
Loss rate: 0.03%

Run 4: Report of Sprout — Data Link



Run 5: Statistics of Sprout

Start at: 2019-03-09 09:12:49

End at: 2019-03-09 09:13:19

Local clock offset: -5.365 ms

Remote clock offset: 0.558 ms

Below is generated by plot.py at 2019-03-09 09:46:27

Datalink statistics

-- Total of 1 flow:

Average throughput: 50.36 Mbit/s

95th percentile per-packet one-way delay: 10.849 ms

Loss rate: 0.00%

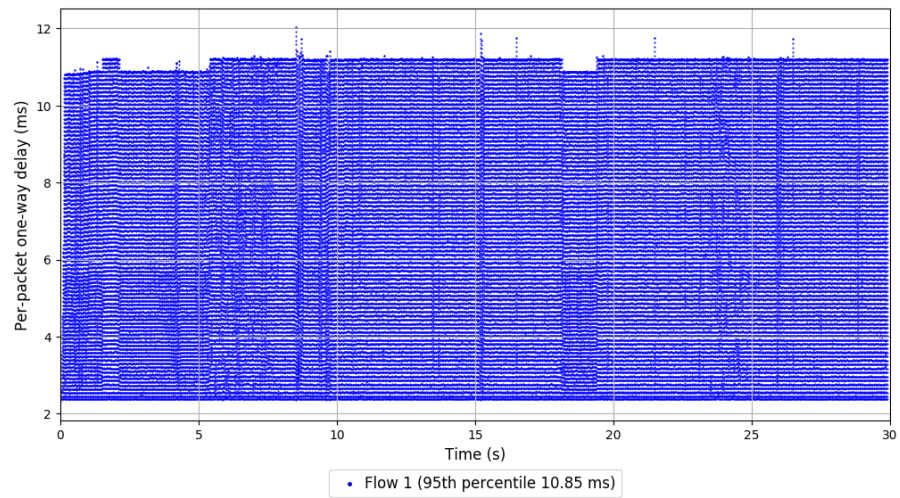
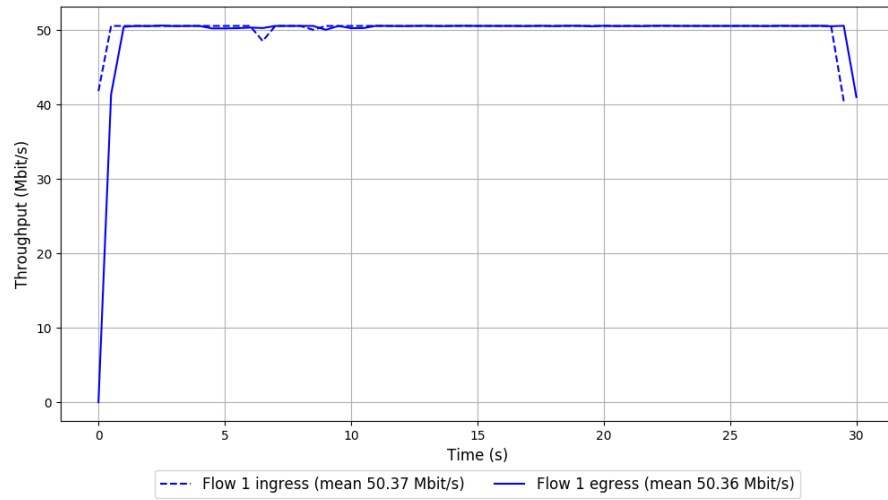
-- Flow 1:

Average throughput: 50.36 Mbit/s

95th percentile per-packet one-way delay: 10.849 ms

Loss rate: 0.00%

Run 5: Report of Sprout — Data Link



Run 1: Statistics of TaoVA-100x

Start at: 2019-03-09 07:44:43

End at: 2019-03-09 07:45:13

Local clock offset: -6.077 ms

Remote clock offset: -0.456 ms

Below is generated by plot.py at 2019-03-09 09:47:54

Datalink statistics

-- Total of 1 flow:

Average throughput: 87.66 Mbit/s

95th percentile per-packet one-way delay: 1.442 ms

Loss rate: 0.01%

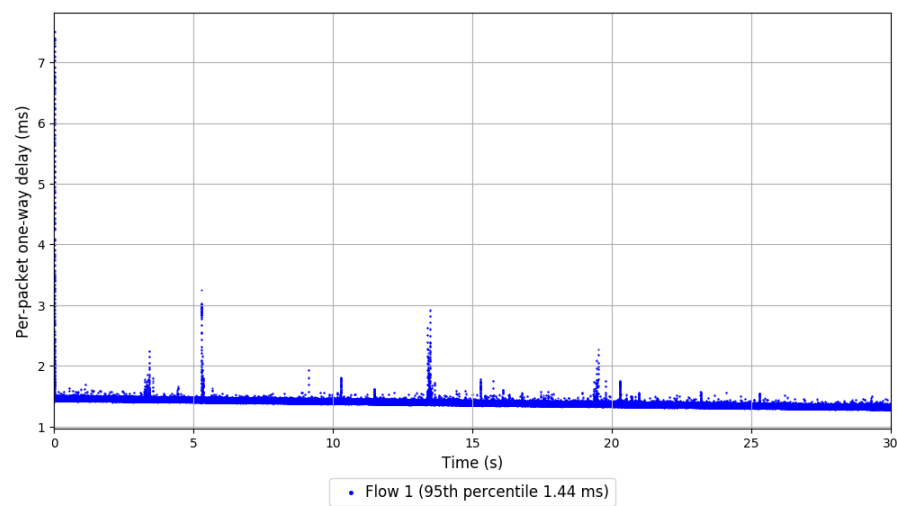
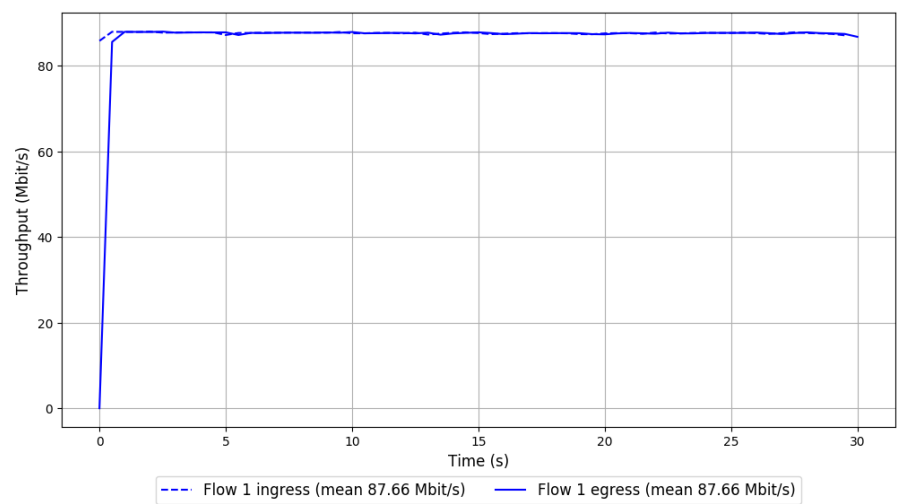
-- Flow 1:

Average throughput: 87.66 Mbit/s

95th percentile per-packet one-way delay: 1.442 ms

Loss rate: 0.01%

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



Run 2: Statistics of TaoVA-100x

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

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

Local clock offset: -2.639 ms

Remote clock offset: 0.025 ms

Below is generated by plot.py at 2019-03-09 09:47:55

Datalink statistics

-- Total of 1 flow:

Average throughput: 87.51 Mbit/s

95th percentile per-packet one-way delay: 1.610 ms

Loss rate: 0.01%

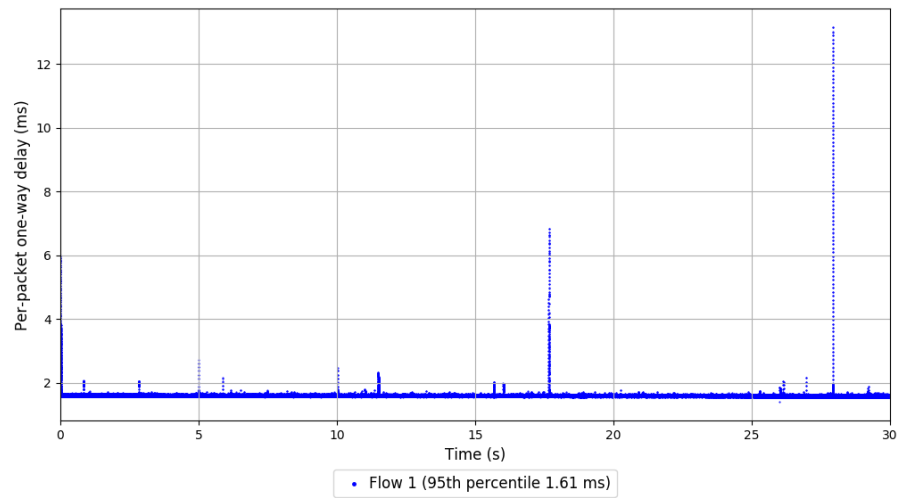
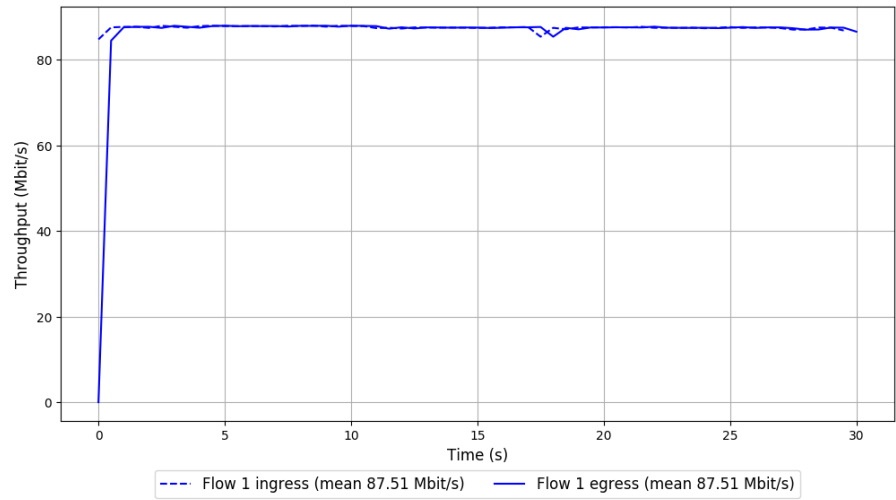
-- Flow 1:

Average throughput: 87.51 Mbit/s

95th percentile per-packet one-way delay: 1.610 ms

Loss rate: 0.01%

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



Run 3: Statistics of TaoVA-100x

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

End at: 2019-03-09 08:32:38

Local clock offset: -6.32 ms

Remote clock offset: 0.244 ms

Below is generated by plot.py at 2019-03-09 09:47:55

Datalink statistics

-- Total of 1 flow:

Average throughput: 87.61 Mbit/s

95th percentile per-packet one-way delay: 2.502 ms

Loss rate: 0.01%

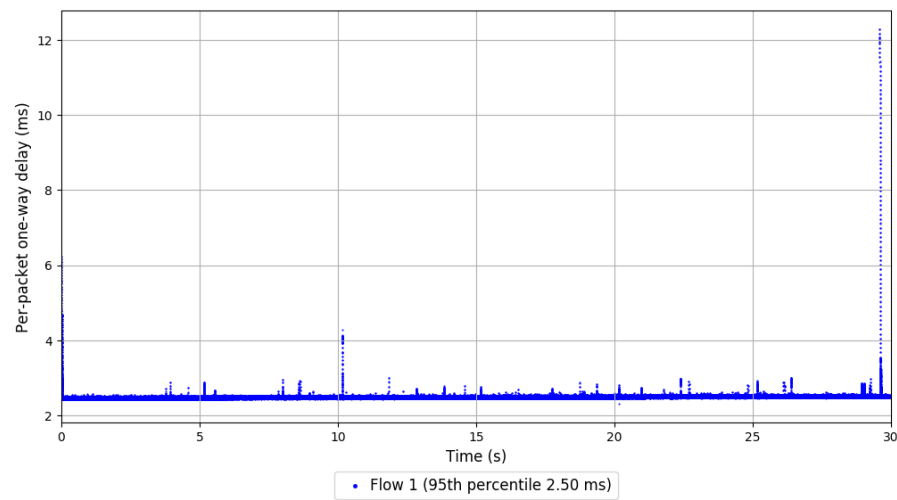
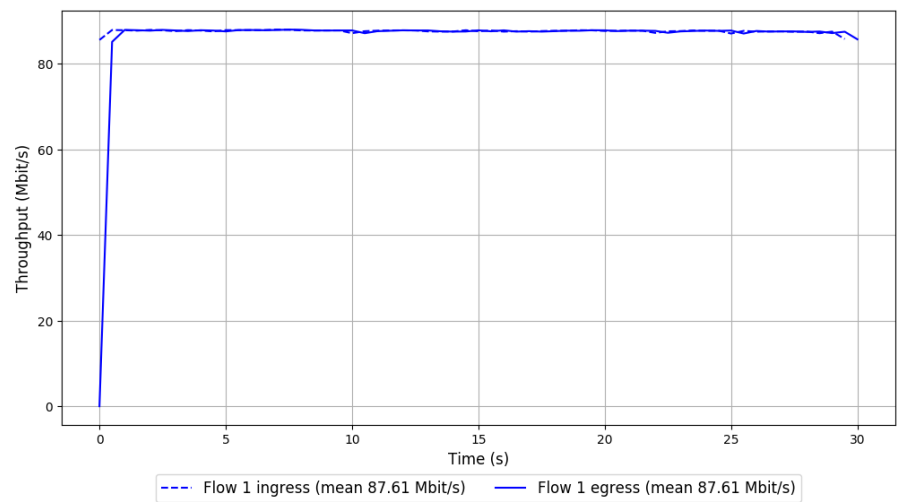
-- Flow 1:

Average throughput: 87.61 Mbit/s

95th percentile per-packet one-way delay: 2.502 ms

Loss rate: 0.01%

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



Run 4: Statistics of TaoVA-100x

Start at: 2019-03-09 08:55:50

End at: 2019-03-09 08:56:20

Local clock offset: -6.488 ms

Remote clock offset: 0.438 ms

Below is generated by plot.py at 2019-03-09 09:48:04

Datalink statistics

-- Total of 1 flow:

Average throughput: 88.11 Mbit/s

95th percentile per-packet one-way delay: 1.605 ms

Loss rate: 0.01%

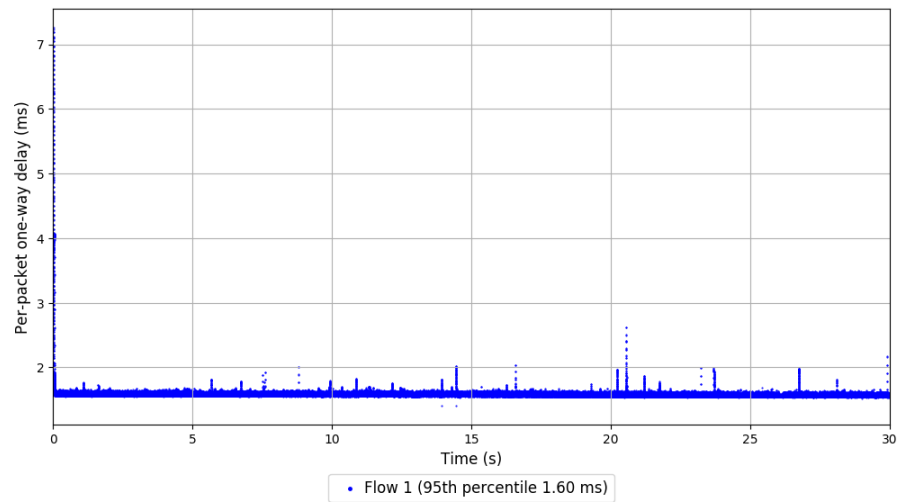
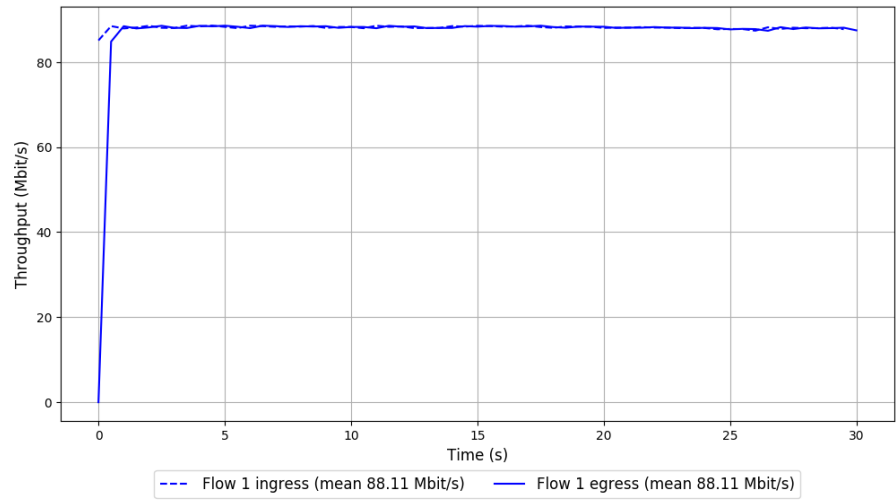
-- Flow 1:

Average throughput: 88.11 Mbit/s

95th percentile per-packet one-way delay: 1.605 ms

Loss rate: 0.01%

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



Run 5: Statistics of TaoVA-100x

Start at: 2019-03-09 09:19:32

End at: 2019-03-09 09:20:02

Local clock offset: -5.317 ms

Remote clock offset: 0.572 ms

Below is generated by plot.py at 2019-03-09 09:48:15

Datalink statistics

-- Total of 1 flow:

Average throughput: 87.87 Mbit/s

95th percentile per-packet one-way delay: 2.444 ms

Loss rate: 0.01%

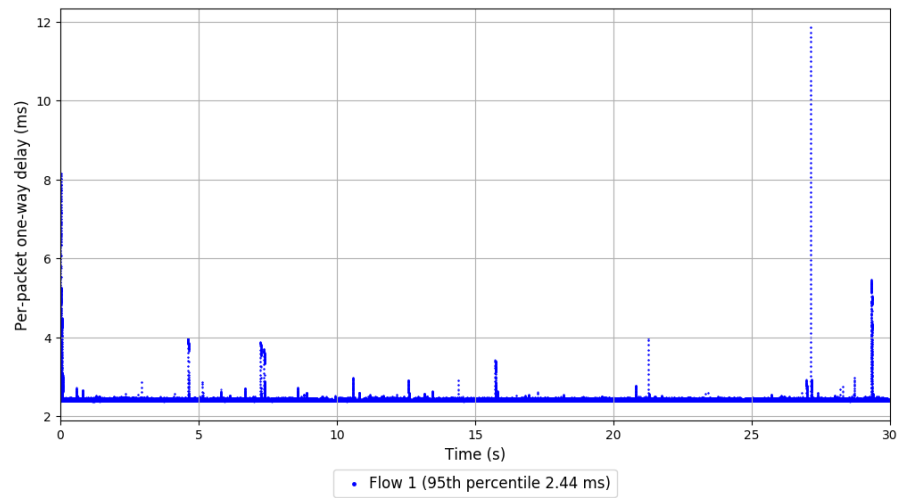
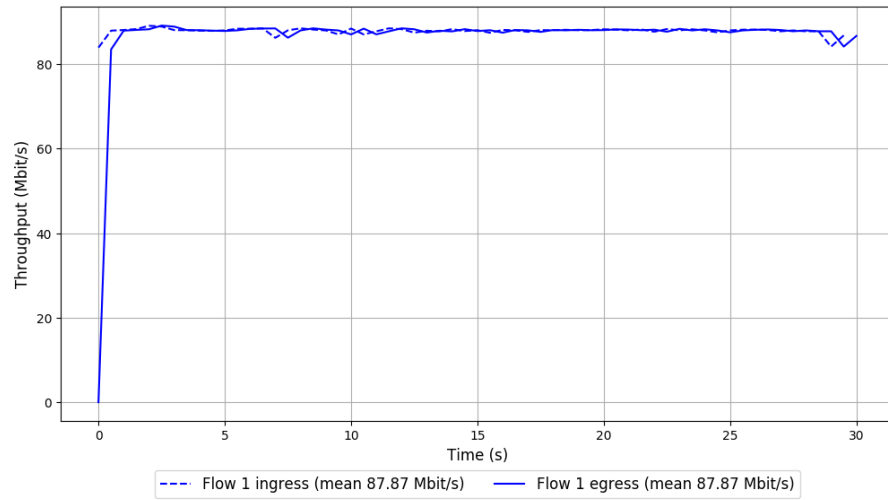
-- Flow 1:

Average throughput: 87.87 Mbit/s

95th percentile per-packet one-way delay: 2.444 ms

Loss rate: 0.01%

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

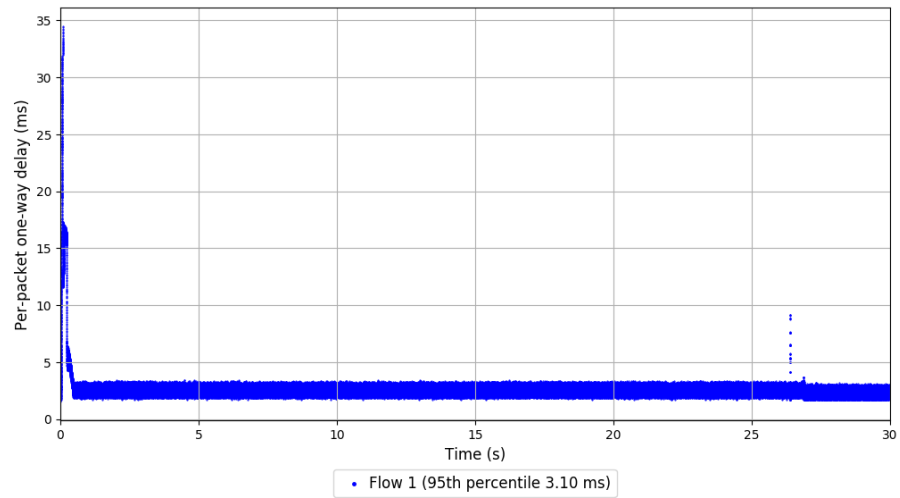
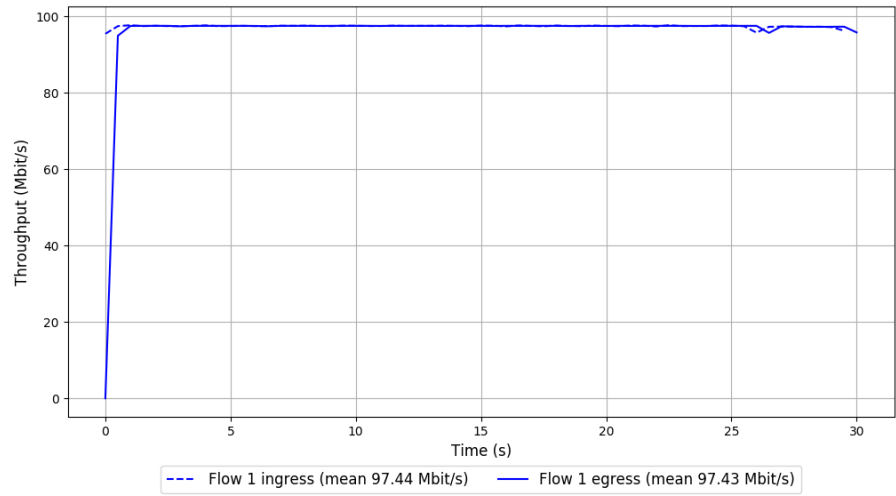


Run 1: Statistics of TCP Vegas

Start at: 2019-03-09 07:35:44
End at: 2019-03-09 07:36:14
Local clock offset: -6.214 ms
Remote clock offset: -0.543 ms

Below is generated by plot.py at 2019-03-09 09:48:15
Datalink statistics
-- Total of 1 flow:
Average throughput: 97.43 Mbit/s
95th percentile per-packet one-way delay: 3.097 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 97.43 Mbit/s
95th percentile per-packet one-way delay: 3.097 ms
Loss rate: 0.01%

Run 1: Report of TCP Vegas — Data Link

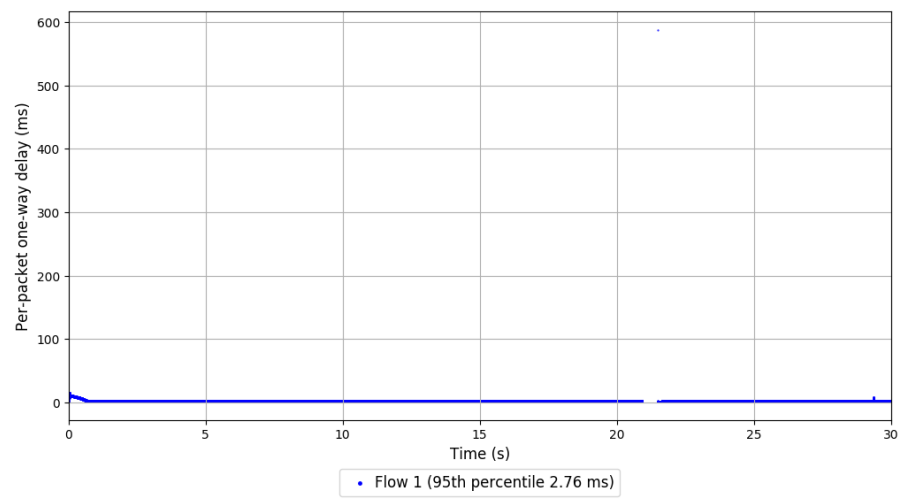
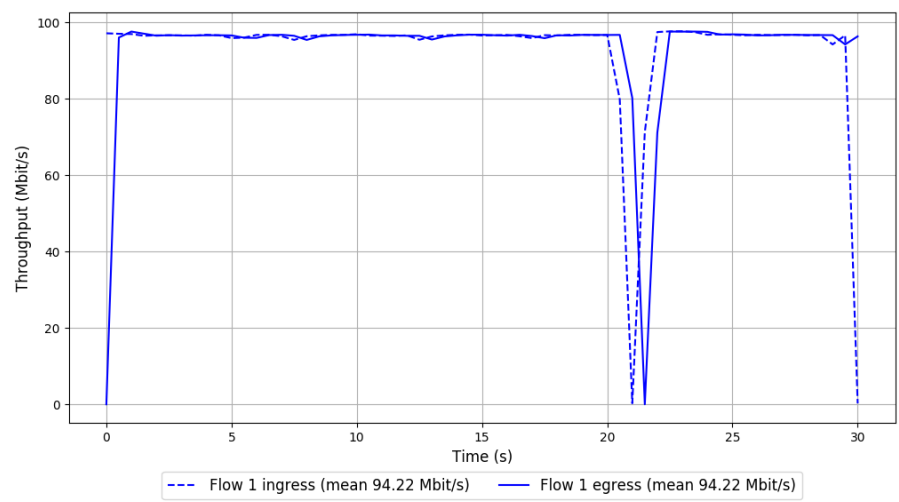


Run 2: Statistics of TCP Vegas

Start at: 2019-03-09 07:59:27
End at: 2019-03-09 07:59:57
Local clock offset: -3.362 ms
Remote clock offset: -0.148 ms

Below is generated by plot.py at 2019-03-09 09:48:15
Datalink statistics
-- Total of 1 flow:
Average throughput: 94.22 Mbit/s
95th percentile per-packet one-way delay: 2.762 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 94.22 Mbit/s
95th percentile per-packet one-way delay: 2.762 ms
Loss rate: 0.02%

Run 2: Report of TCP Vegas — Data Link



Run 3: Statistics of TCP Vegas

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

End at: 2019-03-09 08:23:39

Local clock offset: -5.709 ms

Remote clock offset: 0.162 ms

Below is generated by plot.py at 2019-03-09 09:48:15

Datalink statistics

-- Total of 1 flow:

Average throughput: 97.09 Mbit/s

95th percentile per-packet one-way delay: 3.103 ms

Loss rate: 0.02%

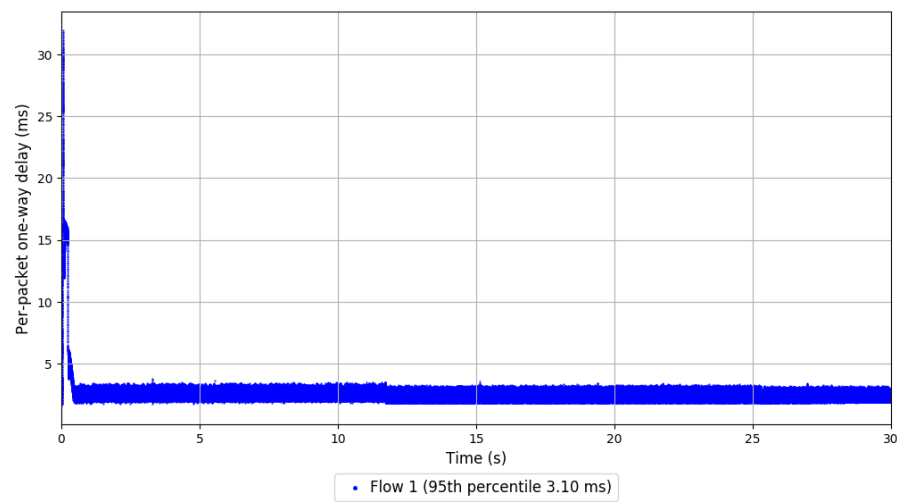
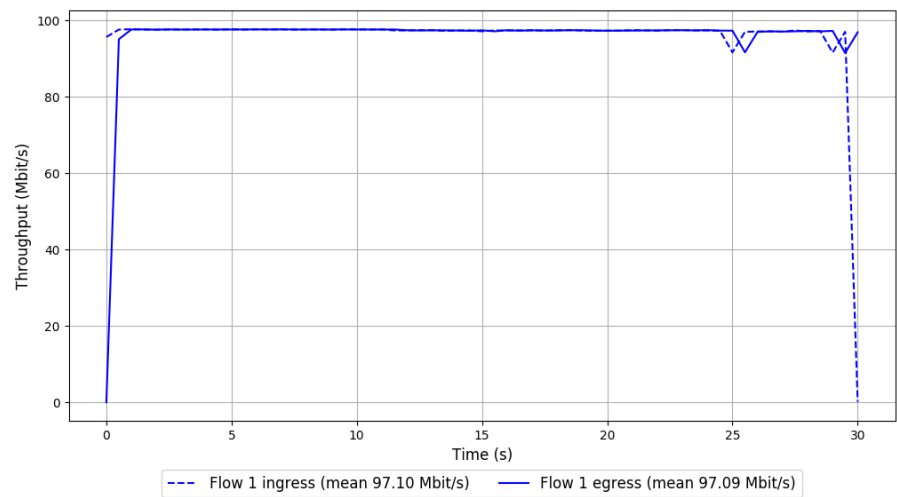
-- Flow 1:

Average throughput: 97.09 Mbit/s

95th percentile per-packet one-way delay: 3.103 ms

Loss rate: 0.02%

Run 3: Report of TCP Vegas — Data Link



Run 4: Statistics of TCP Vegas

Start at: 2019-03-09 08:46:51

End at: 2019-03-09 08:47:21

Local clock offset: -7.407 ms

Remote clock offset: 0.386 ms

Below is generated by plot.py at 2019-03-09 09:48:37

Datalink statistics

-- Total of 1 flow:

Average throughput: 97.03 Mbit/s

95th percentile per-packet one-way delay: 2.691 ms

Loss rate: 0.01%

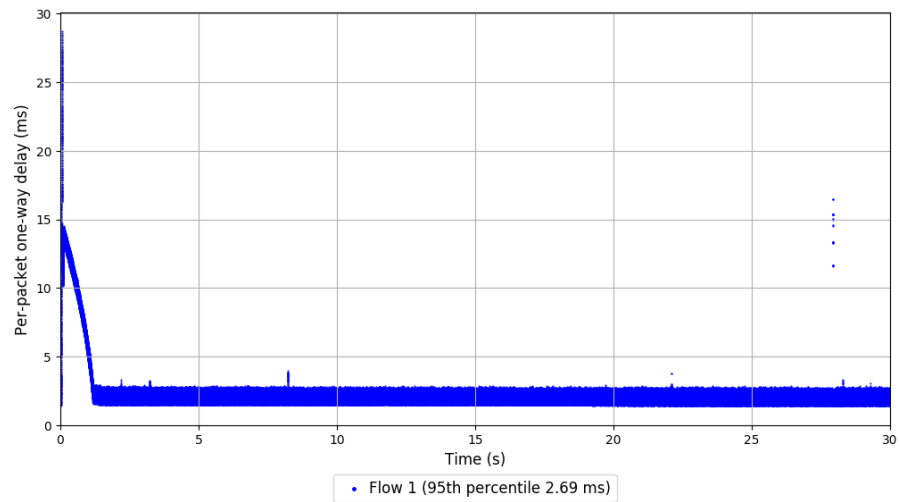
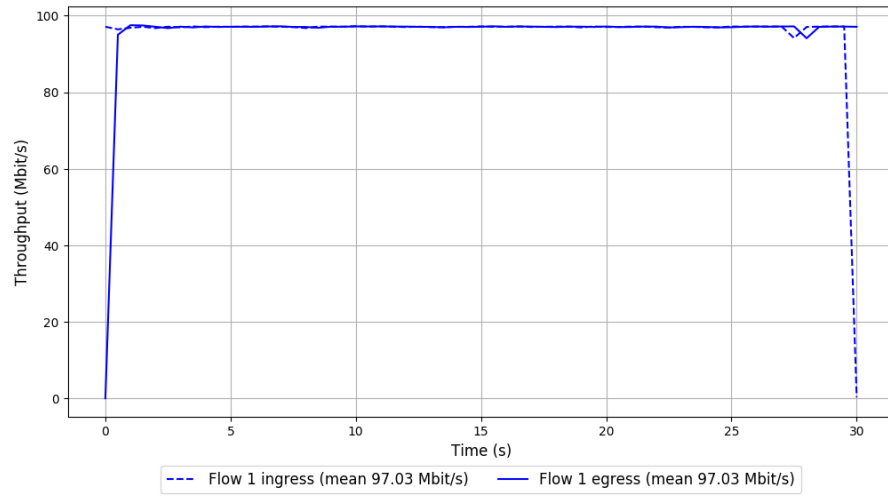
-- Flow 1:

Average throughput: 97.03 Mbit/s

95th percentile per-packet one-way delay: 2.691 ms

Loss rate: 0.01%

Run 4: Report of TCP Vegas — Data Link



Run 5: Statistics of TCP Vegas

Start at: 2019-03-09 09:10:34

End at: 2019-03-09 09:11:04

Local clock offset: -6.12 ms

Remote clock offset: 0.497 ms

Below is generated by plot.py at 2019-03-09 09:48:38

Datalink statistics

-- Total of 1 flow:

Average throughput: 97.21 Mbit/s

95th percentile per-packet one-way delay: 2.947 ms

Loss rate: 0.01%

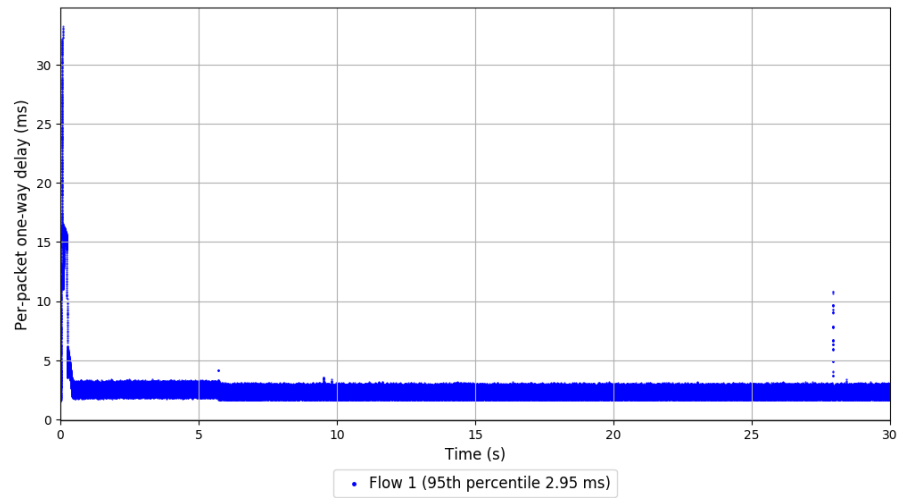
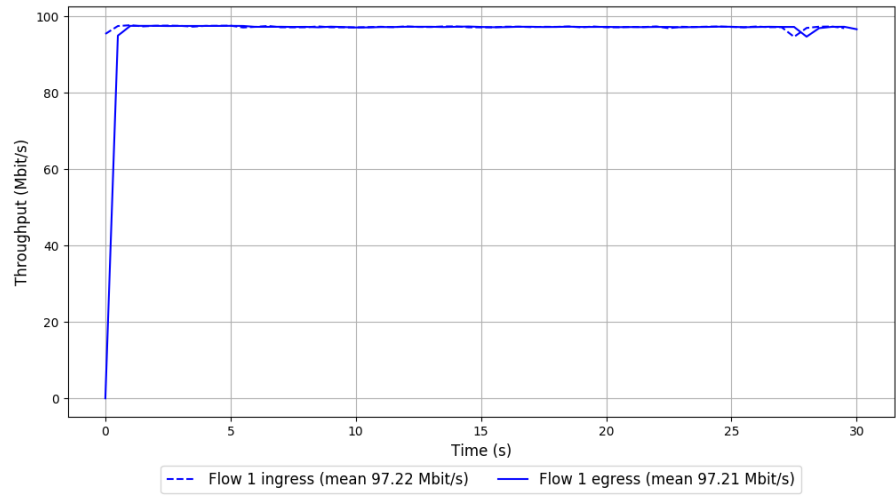
-- Flow 1:

Average throughput: 97.21 Mbit/s

95th percentile per-packet one-way delay: 2.947 ms

Loss rate: 0.01%

Run 5: Report of TCP Vegas — Data Link

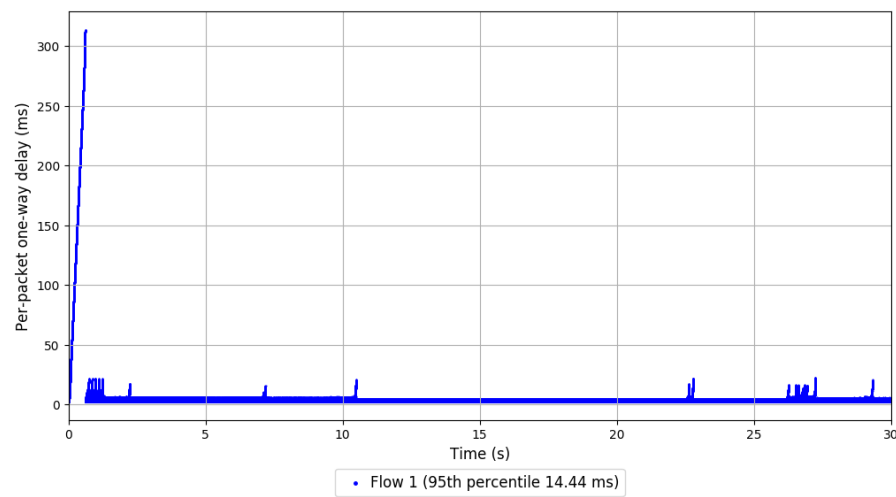
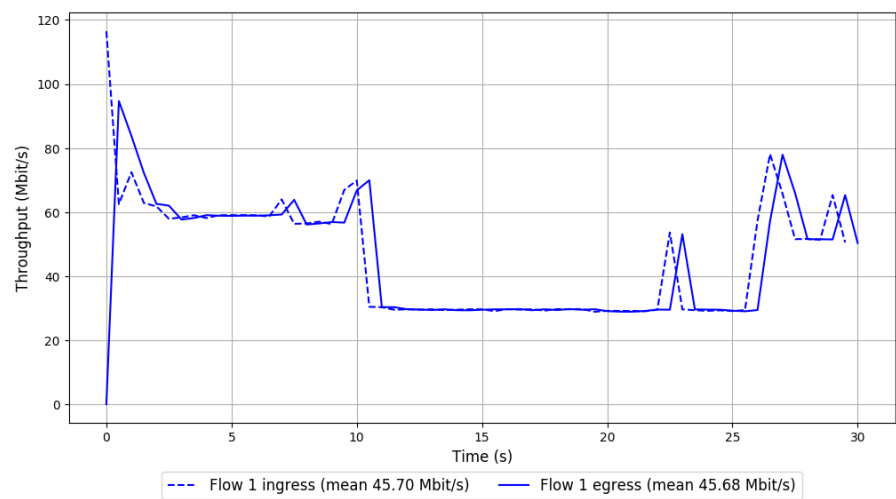


Run 1: Statistics of Verus

Start at: 2019-03-09 07:42:28
End at: 2019-03-09 07:42:58
Local clock offset: -5.386 ms
Remote clock offset: -0.387 ms

Below is generated by plot.py at 2019-03-09 09:48:38
Datalink statistics
-- Total of 1 flow:
Average throughput: 45.68 Mbit/s
95th percentile per-packet one-way delay: 14.441 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 45.68 Mbit/s
95th percentile per-packet one-way delay: 14.441 ms
Loss rate: 0.03%

Run 1: Report of Verus — Data Link

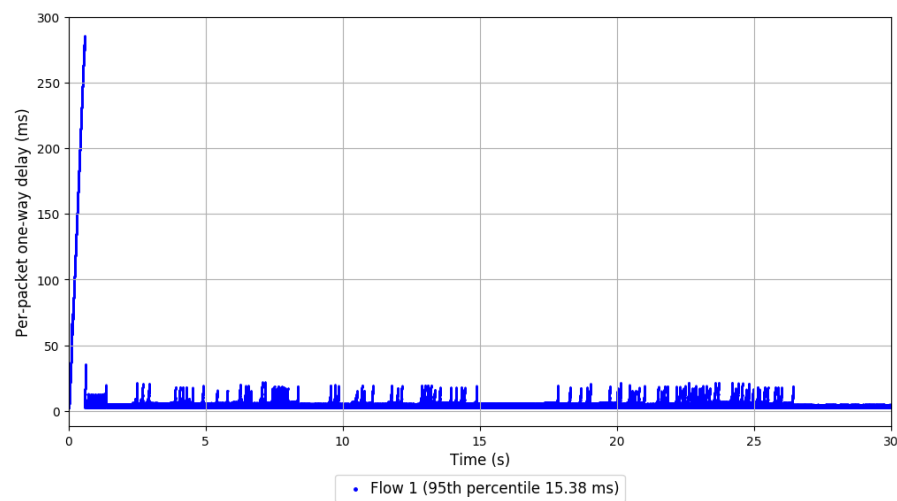
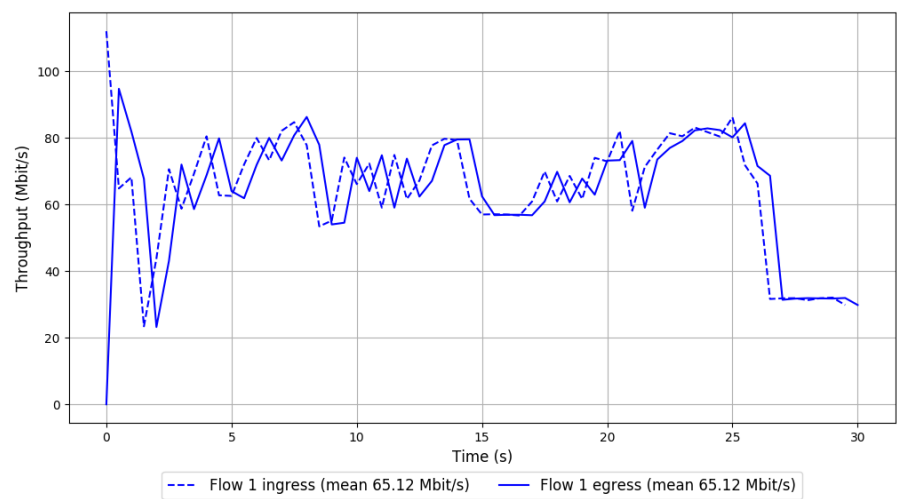


Run 2: Statistics of Verus

Start at: 2019-03-09 08:06:10
End at: 2019-03-09 08:06:40
Local clock offset: -2.027 ms
Remote clock offset: -0.067 ms

Below is generated by plot.py at 2019-03-09 09:48:41
Datalink statistics
-- Total of 1 flow:
Average throughput: 65.12 Mbit/s
95th percentile per-packet one-way delay: 15.383 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 65.12 Mbit/s
95th percentile per-packet one-way delay: 15.383 ms
Loss rate: 0.01%

Run 2: Report of Verus — Data Link

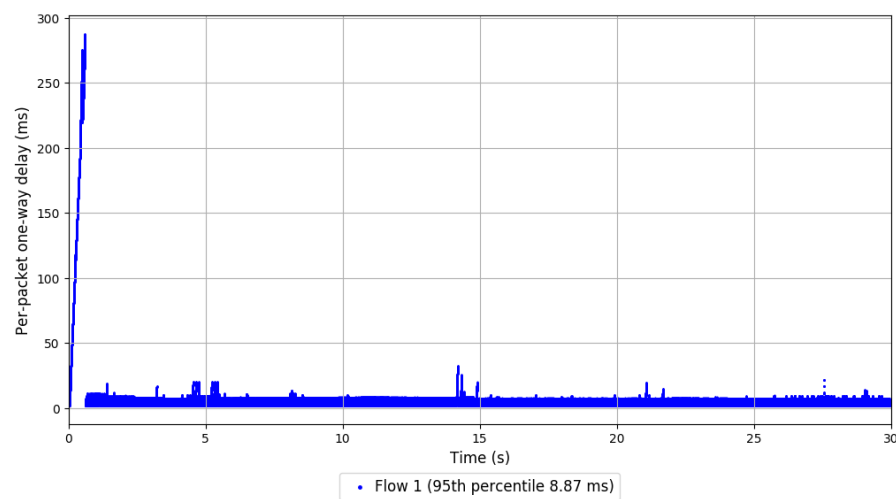
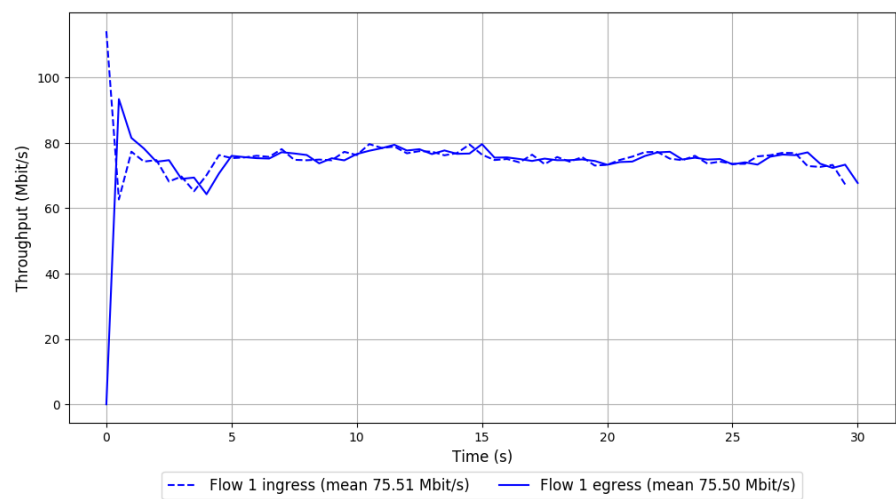


Run 3: Statistics of Verus

Start at: 2019-03-09 08:29:52
End at: 2019-03-09 08:30:22
Local clock offset: -6.806 ms
Remote clock offset: 0.223 ms

Below is generated by plot.py at 2019-03-09 09:48:49
Datalink statistics
-- Total of 1 flow:
Average throughput: 75.50 Mbit/s
95th percentile per-packet one-way delay: 8.867 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 75.50 Mbit/s
95th percentile per-packet one-way delay: 8.867 ms
Loss rate: 0.01%

Run 3: Report of Verus — Data Link



Run 4: Statistics of Verus

Start at: 2019-03-09 08:53:36

End at: 2019-03-09 08:54:06

Local clock offset: -5.937 ms

Remote clock offset: 0.378 ms

Below is generated by plot.py at 2019-03-09 09:48:49

Datalink statistics

-- Total of 1 flow:

Average throughput: 43.75 Mbit/s

95th percentile per-packet one-way delay: 14.729 ms

Loss rate: 0.06%

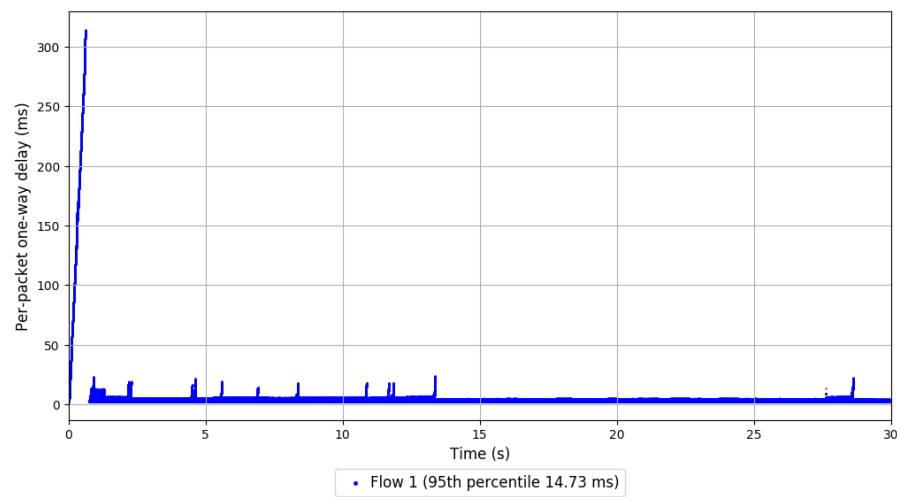
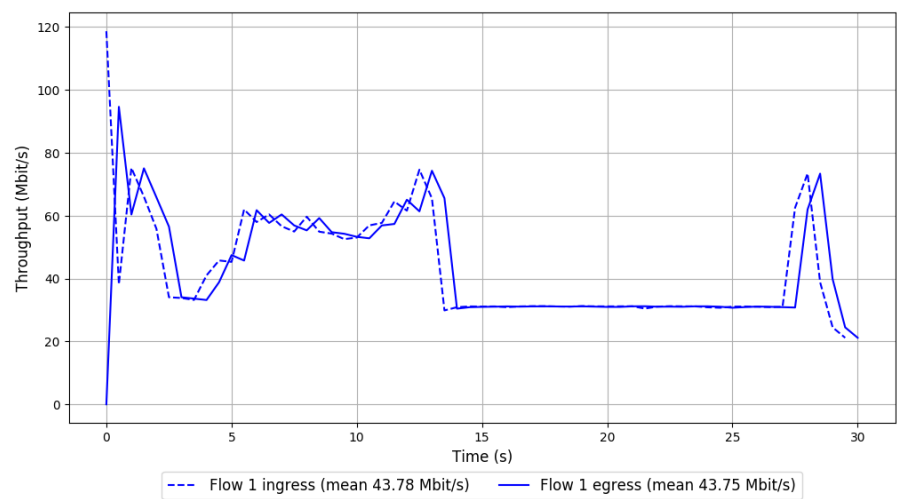
-- Flow 1:

Average throughput: 43.75 Mbit/s

95th percentile per-packet one-way delay: 14.729 ms

Loss rate: 0.06%

Run 4: Report of Verus — Data Link



Run 5: Statistics of Verus

Start at: 2019-03-09 09:17:18

End at: 2019-03-09 09:17:48

Local clock offset: -5.341 ms

Remote clock offset: 0.501 ms

Below is generated by plot.py at 2019-03-09 09:48:49

Datalink statistics

-- Total of 1 flow:

Average throughput: 28.79 Mbit/s

95th percentile per-packet one-way delay: 81.765 ms

Loss rate: 0.01%

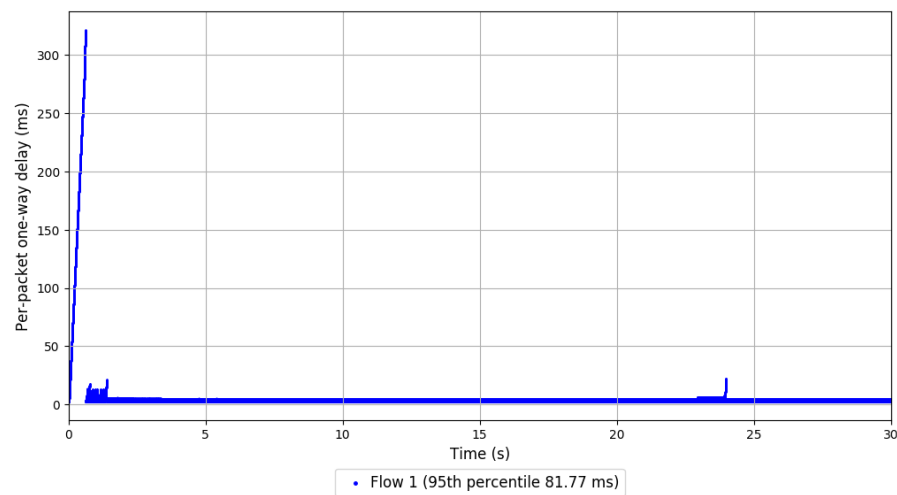
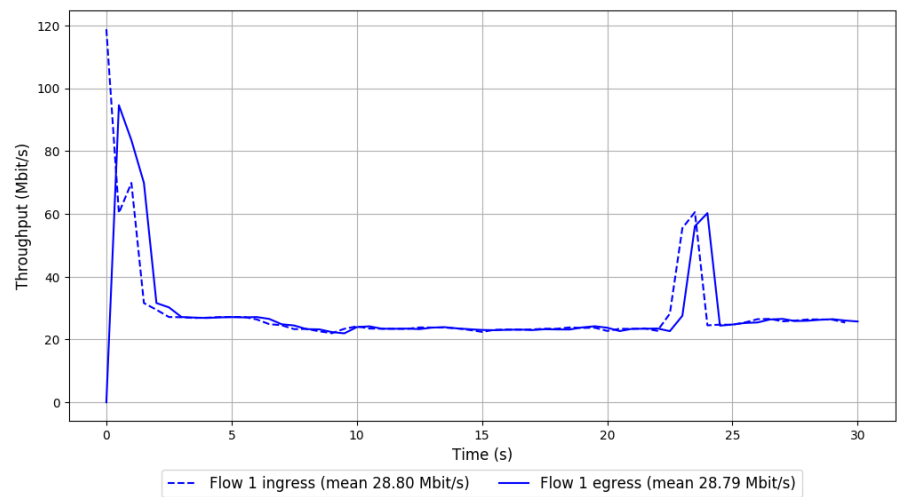
-- Flow 1:

Average throughput: 28.79 Mbit/s

95th percentile per-packet one-way delay: 81.765 ms

Loss rate: 0.01%

Run 5: Report of Verus — Data Link



Run 1: Statistics of PCC-Vivace

Start at: 2019-03-09 07:49:18

End at: 2019-03-09 07:49:48

Local clock offset: -3.963 ms

Remote clock offset: -0.32 ms

Below is generated by plot.py at 2019-03-09 09:49:10

Datalink statistics

-- Total of 1 flow:

Average throughput: 89.25 Mbit/s

95th percentile per-packet one-way delay: 2.363 ms

Loss rate: 0.01%

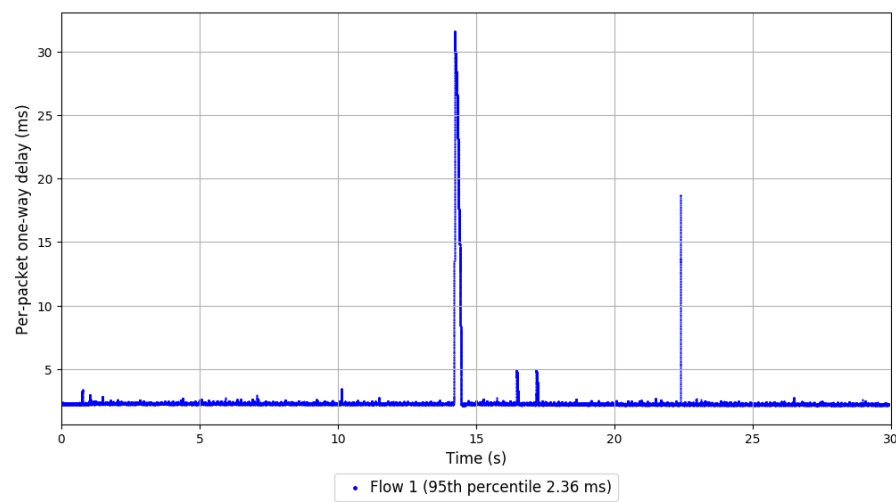
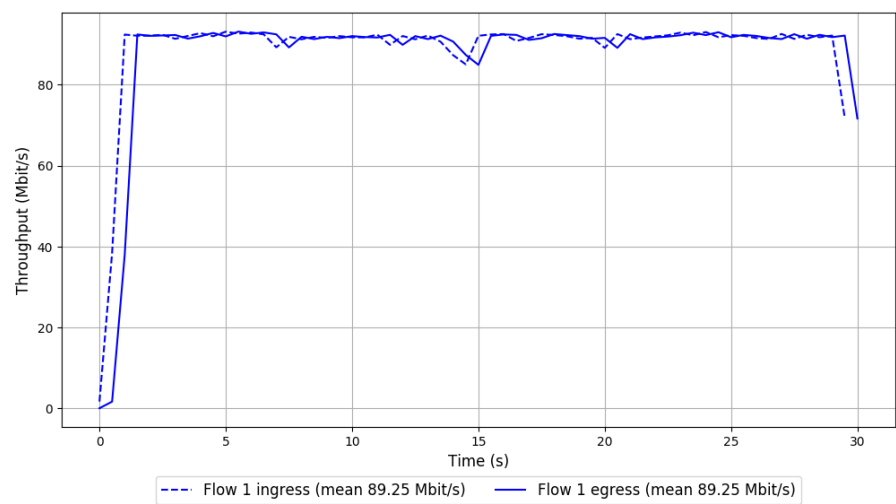
-- Flow 1:

Average throughput: 89.25 Mbit/s

95th percentile per-packet one-way delay: 2.363 ms

Loss rate: 0.01%

Run 1: Report of PCC-Vivace — Data Link



Run 2: Statistics of PCC-Vivace

Start at: 2019-03-09 08:13:01

End at: 2019-03-09 08:13:31

Local clock offset: -2.395 ms

Remote clock offset: 0.012 ms

Below is generated by plot.py at 2019-03-09 09:49:13

Datalink statistics

-- Total of 1 flow:

Average throughput: 89.24 Mbit/s

95th percentile per-packet one-way delay: 1.713 ms

Loss rate: 0.01%

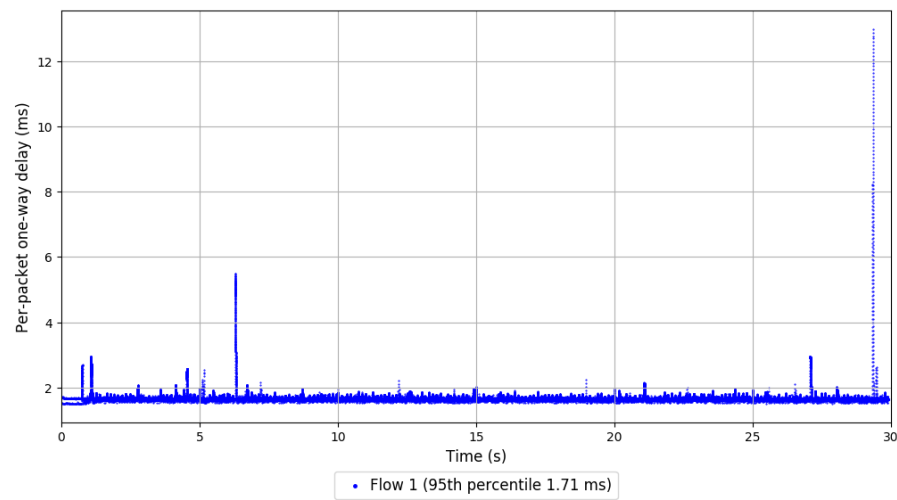
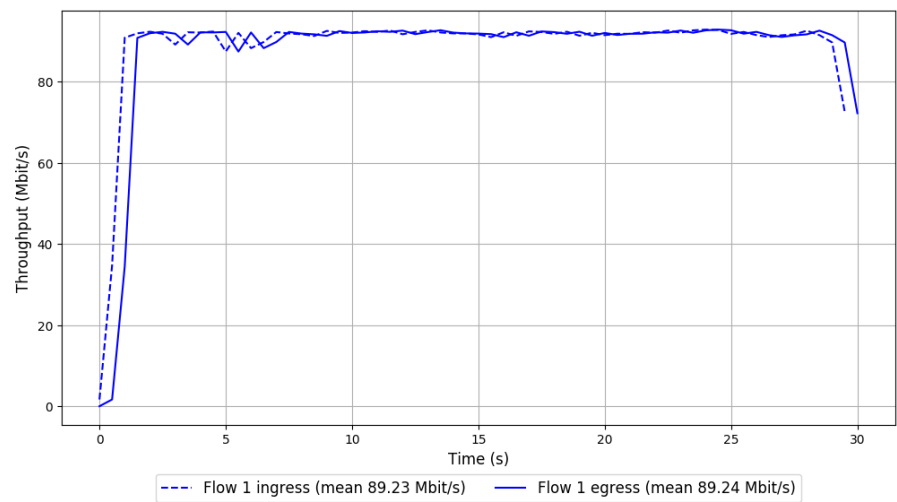
-- Flow 1:

Average throughput: 89.24 Mbit/s

95th percentile per-packet one-way delay: 1.713 ms

Loss rate: 0.01%

Run 2: Report of PCC-Vivace — Data Link



Run 3: Statistics of PCC-Vivace

Start at: 2019-03-09 08:36:44

End at: 2019-03-09 08:37:14

Local clock offset: -7.46 ms

Remote clock offset: 0.226 ms

Below is generated by plot.py at 2019-03-09 09:49:17

Datalink statistics

-- Total of 1 flow:

Average throughput: 87.21 Mbit/s

95th percentile per-packet one-way delay: 1.831 ms

Loss rate: 0.01%

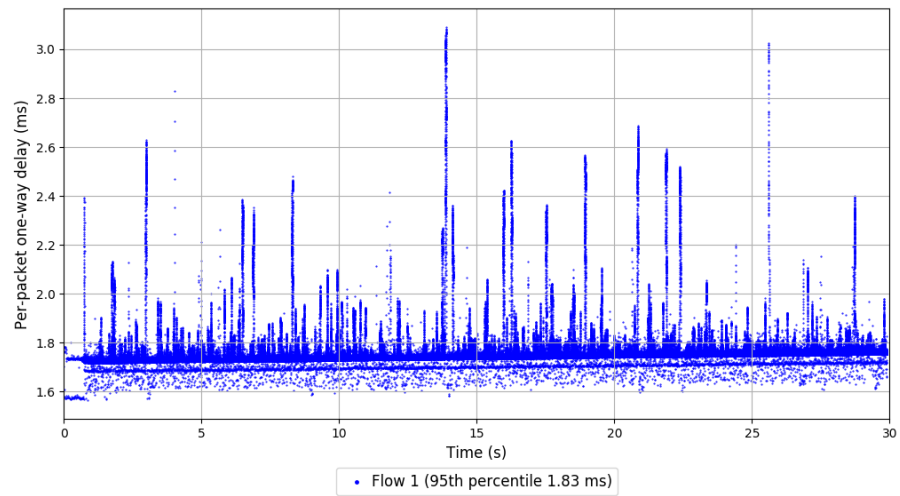
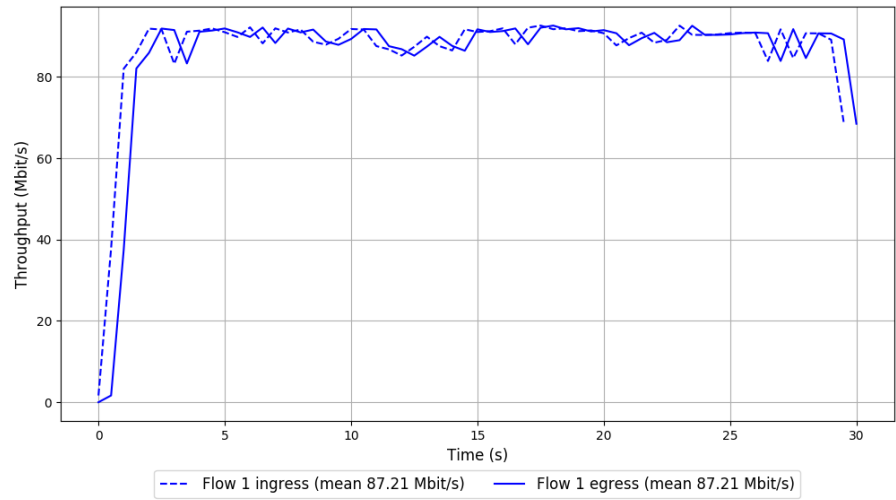
-- Flow 1:

Average throughput: 87.21 Mbit/s

95th percentile per-packet one-way delay: 1.831 ms

Loss rate: 0.01%

Run 3: Report of PCC-Vivace — Data Link



Run 4: Statistics of PCC-Vivace

Start at: 2019-03-09 09:00:26

End at: 2019-03-09 09:00:56

Local clock offset: -6.315 ms

Remote clock offset: 0.471 ms

Below is generated by plot.py at 2019-03-09 09:49:17

Datalink statistics

-- Total of 1 flow:

Average throughput: 89.51 Mbit/s

95th percentile per-packet one-way delay: 1.632 ms

Loss rate: 0.01%

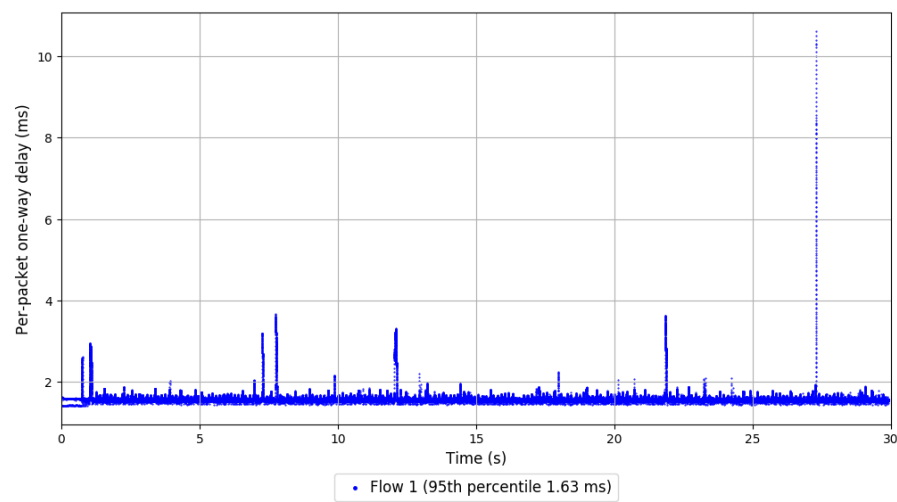
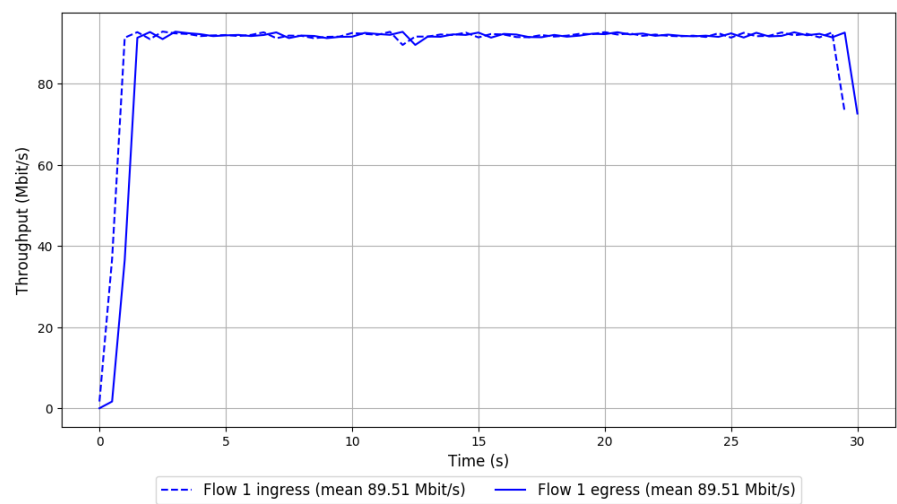
-- Flow 1:

Average throughput: 89.51 Mbit/s

95th percentile per-packet one-way delay: 1.632 ms

Loss rate: 0.01%

Run 4: Report of PCC-Vivace — Data Link



Run 5: Statistics of PCC-Vivace

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

End at: 2019-03-09 09:24:38

Local clock offset: -5.317 ms

Remote clock offset: 0.59 ms

Below is generated by plot.py at 2019-03-09 09:49:18

Datalink statistics

-- Total of 1 flow:

Average throughput: 89.32 Mbit/s

95th percentile per-packet one-way delay: 2.492 ms

Loss rate: 0.01%

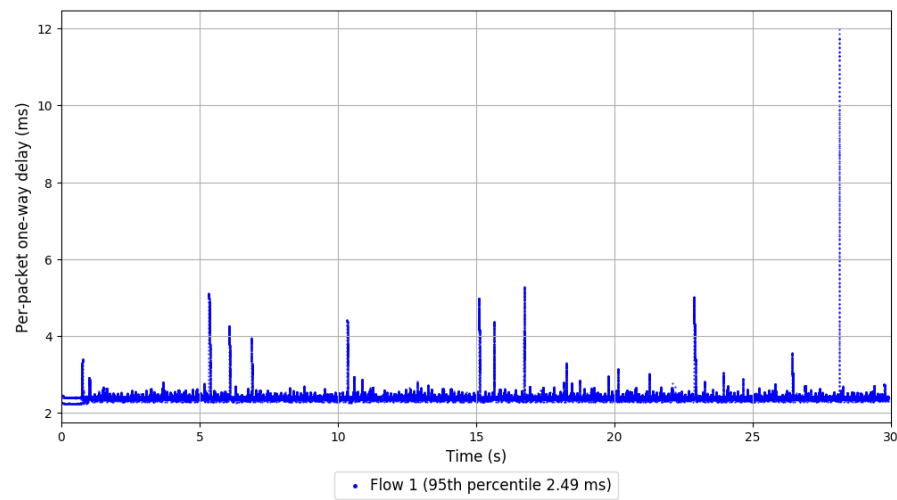
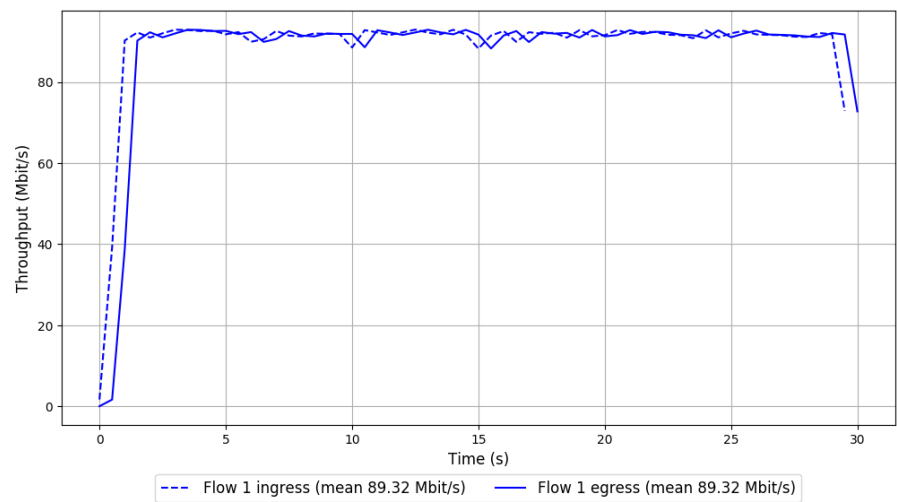
-- Flow 1:

Average throughput: 89.32 Mbit/s

95th percentile per-packet one-way delay: 2.492 ms

Loss rate: 0.01%

Run 5: Report of PCC-Vivace — Data Link

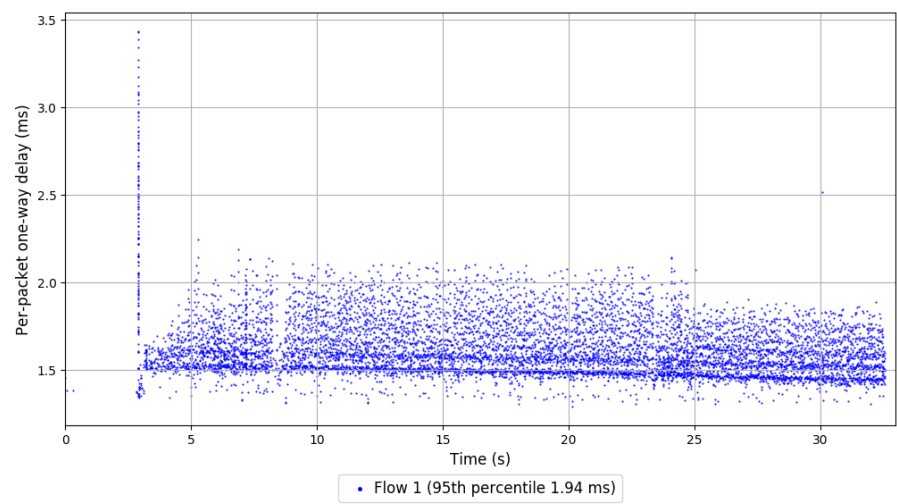
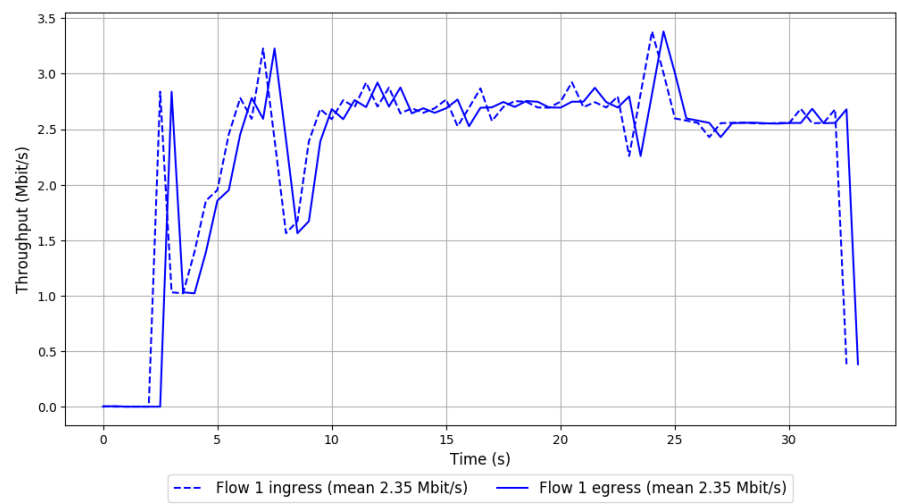


Run 1: Statistics of WebRTC media

Start at: 2019-03-09 07:50:27
End at: 2019-03-09 07:50:57
Local clock offset: -4.533 ms
Remote clock offset: -0.257 ms

Below is generated by plot.py at 2019-03-09 09:49:18
Datalink statistics
-- Total of 1 flow:
Average throughput: 2.35 Mbit/s
95th percentile per-packet one-way delay: 1.940 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.35 Mbit/s
95th percentile per-packet one-way delay: 1.940 ms
Loss rate: 0.00%

Run 1: Report of WebRTC media — Data Link



Run 2: Statistics of WebRTC media

Start at: 2019-03-09 08:14:10

End at: 2019-03-09 08:14:40

Local clock offset: -1.587 ms

Remote clock offset: 0.09 ms

Below is generated by plot.py at 2019-03-09 09:49:18

Datalink statistics

-- Total of 1 flow:

Average throughput: 2.35 Mbit/s

95th percentile per-packet one-way delay: 3.165 ms

Loss rate: 0.00%

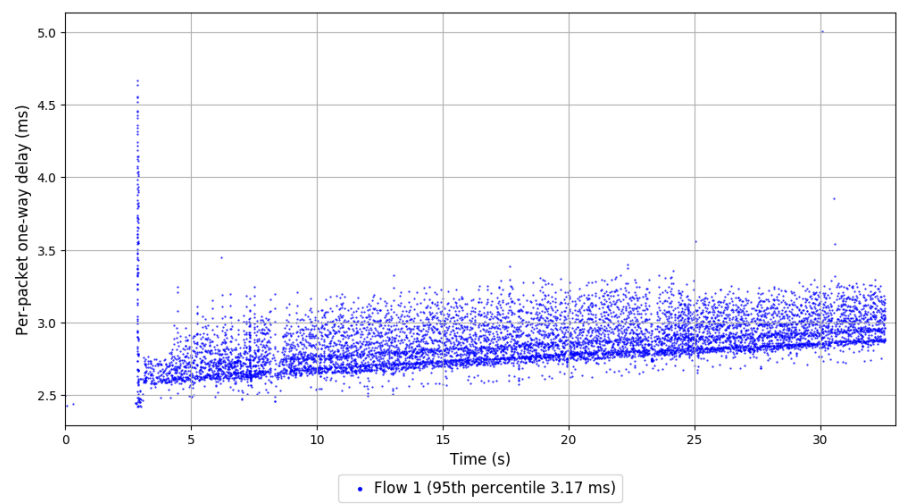
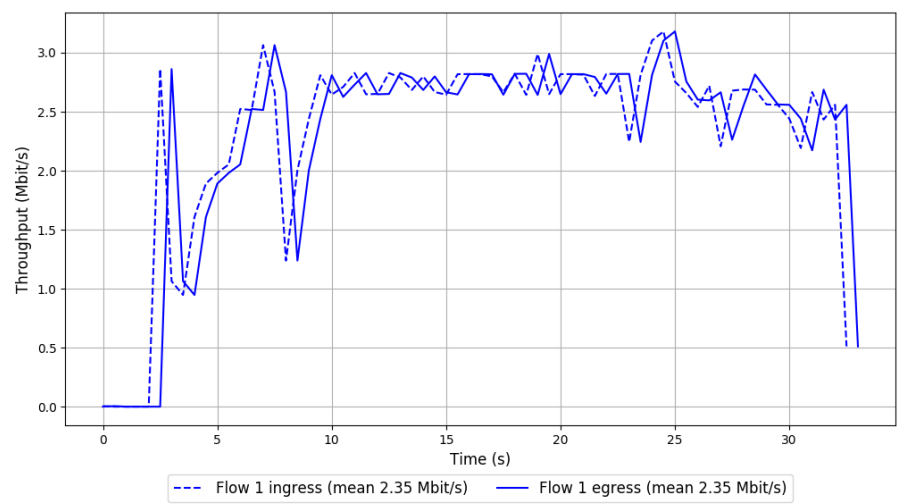
-- Flow 1:

Average throughput: 2.35 Mbit/s

95th percentile per-packet one-way delay: 3.165 ms

Loss rate: 0.00%

Run 2: Report of WebRTC media — Data Link



Run 3: Statistics of WebRTC media

Start at: 2019-03-09 08:37:53

End at: 2019-03-09 08:38:23

Local clock offset: -6.794 ms

Remote clock offset: 0.294 ms

Below is generated by plot.py at 2019-03-09 09:49:18

Datalink statistics

-- Total of 1 flow:

Average throughput: 2.35 Mbit/s

95th percentile per-packet one-way delay: 2.858 ms

Loss rate: 0.00%

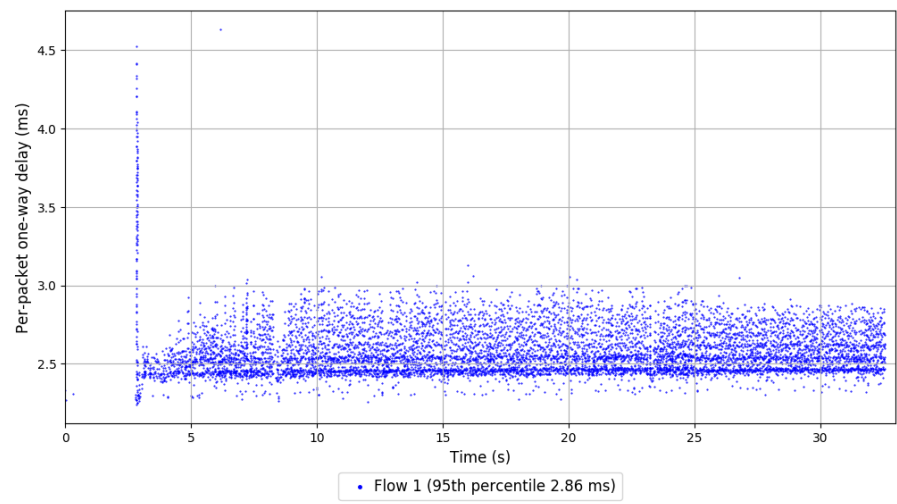
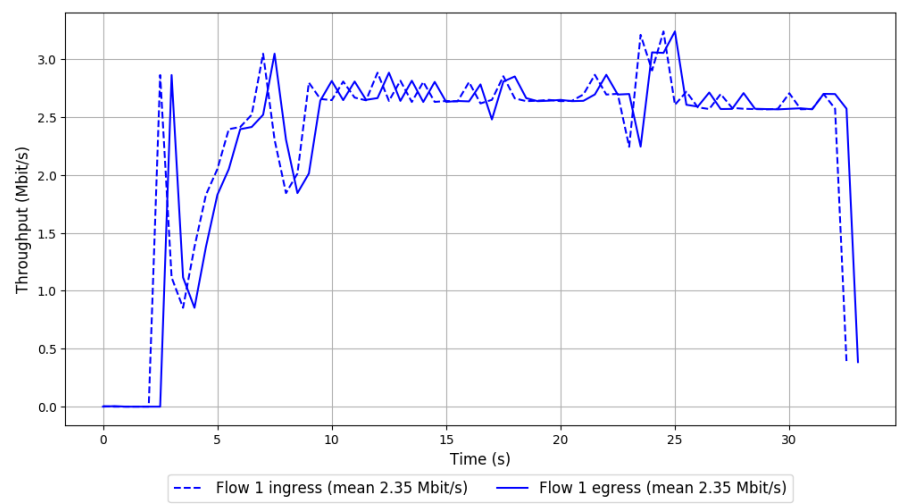
-- Flow 1:

Average throughput: 2.35 Mbit/s

95th percentile per-packet one-way delay: 2.858 ms

Loss rate: 0.00%

Run 3: Report of WebRTC media — Data Link



Run 4: Statistics of WebRTC media

Start at: 2019-03-09 09:01:35

End at: 2019-03-09 09:02:05

Local clock offset: -6.267 ms

Remote clock offset: 0.418 ms

Below is generated by plot.py at 2019-03-09 09:49:18

Datalink statistics

-- Total of 1 flow:

Average throughput: 2.33 Mbit/s

95th percentile per-packet one-way delay: 2.029 ms

Loss rate: 0.02%

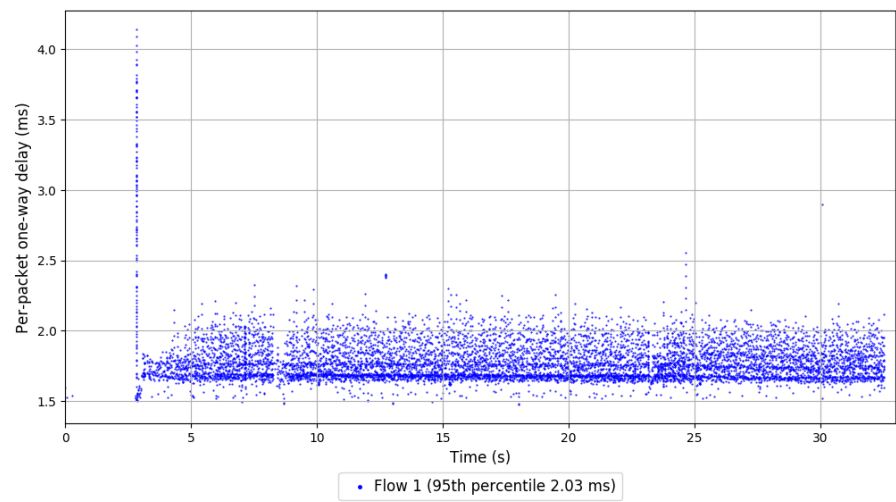
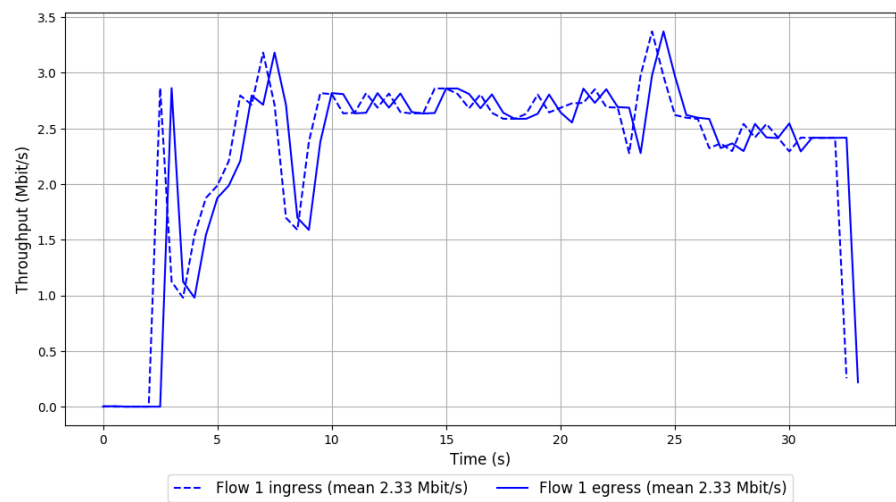
-- Flow 1:

Average throughput: 2.33 Mbit/s

95th percentile per-packet one-way delay: 2.029 ms

Loss rate: 0.02%

Run 4: Report of WebRTC media — Data Link



Run 5: Statistics of WebRTC media

Start at: 2019-03-09 09:25:17

End at: 2019-03-09 09:25:47

Local clock offset: -5.321 ms

Remote clock offset: 0.612 ms

Below is generated by plot.py at 2019-03-09 09:49:18

Datalink statistics

-- Total of 1 flow:

Average throughput: 2.41 Mbit/s

95th percentile per-packet one-way delay: 2.826 ms

Loss rate: 0.05%

-- Flow 1:

Average throughput: 2.41 Mbit/s

95th percentile per-packet one-way delay: 2.826 ms

Loss rate: 0.05%

Run 5: Report of WebRTC media — Data Link

