

Pantheon Report

Generated at 2019-05-30 07:58:03 (UTC).

Data path: Mexico on `em1` (*remote*) → AWS California 2 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 `time.stanford.edu` and have been applied to correct the timestamps in logs.

System info:

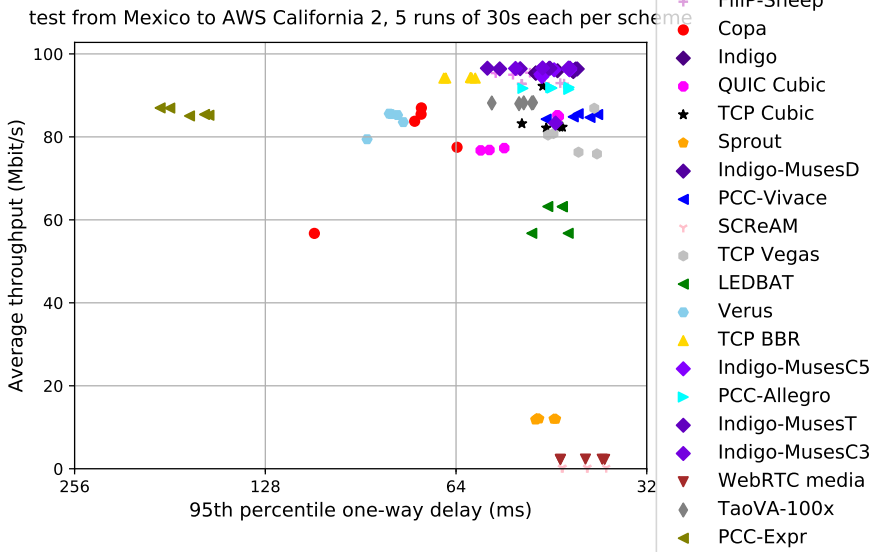
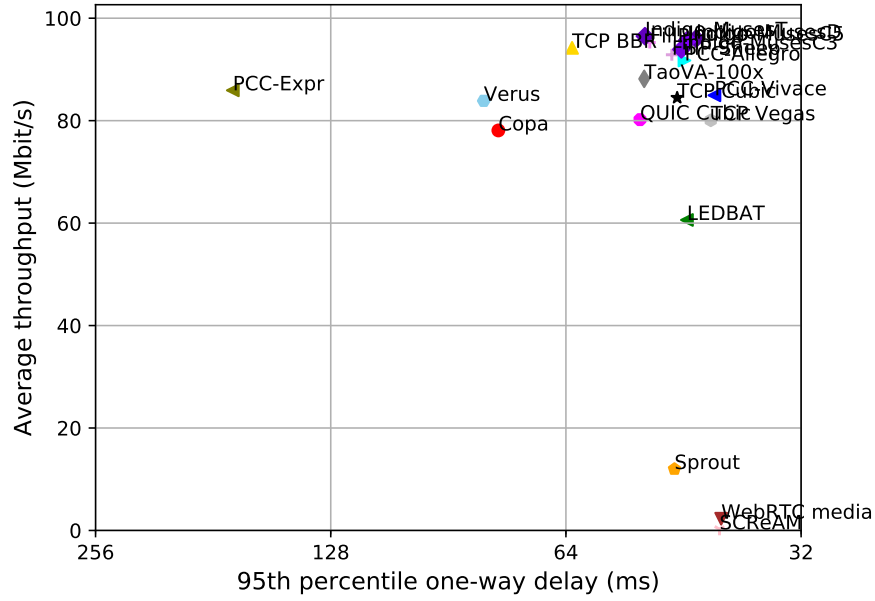
```
Linux 4.15.0-1035-aws
net.core.default_qdisc = fq
net.core.rmem_default = 16777216
net.core.rmem_max = 536870912
net.core.wmem_default = 16777216
net.core.wmem_max = 536870912
net.ipv4.tcp_rmem = 4096 16777216 536870912
net.ipv4.tcp_wmem = 4096 16777216 536870912
```

Git summary:

```
branch: muses @ 7a686f7c2ed0a333082c0bab1fa5c921ab47e6ee
third_party/fillp @ d6da1459332fcee56963885d7eba17e6a32d4519
third_party/fillp-sheep @ 0e5bb722943babcd2b090d2c64fcd45e12e923f9
third_party/genericCC @ d0153f8e594aa89e93b032143cedbdf58e562f4
third_party/indigo @ 2601c92e4aa9d58d38dc4dfe0ecdbf90c077e64d
third_party/libutp @ b3465b942e2826f2b179eaab4a906ce6bb7cf3cf
third_party/muses @ 5ce721187ad823da20955337730c746486ca4966
third_party/pantheon-tunnel @ f866d3f58d27afd942717625ee3a354cc2e802bd
third_party/pcc @ 1afc958fa0d66d18b623c091a55fec872b4981e1
M receiver/src/buffer.h
M receiver/src/core.cpp
M sender/src/buffer.h
M sender/src/core.cpp
third_party/pcc-experimental @ cd43e34e3f5f5613e8acd08fab92c4eb24f974ab
third_party/proto-quick @ 77961f1a82733a86b42f1bc8143ebc978f3cff42
third_party/scream-reproduce @ f099118d1421aa3131bf11ff1964974e1da3bdb2
M src/ScreamClient
M src/ScreamServer
third_party/sprout @ 366e35c6178b01e31d4a46ad18c74f9415f19a26
M src/examples/cellsim.cc
M src/examples/sproutbt2.cc
M src/network/sproutconn.cc
third_party/verus @ d4b447ea74c6c60a261149af2629562939f9a494
M src/verus.hpp
M tools/plot.py
third_party/vivace @ 2baf86211435ae071a32f96b7d8c504587f5d7f4
```

third_party/webrtc @ 3f0cc2a9061a41b6f9dde4735770d143a1fa2851

test from Mexico to AWS California 2, 5 runs of 30s each per scheme
(mean of all runs by scheme)



scheme	# runs	mean avg tput (Mbit/s)	mean 95th-%ile delay (ms)	mean loss rate (%)
		flow 1	flow 1	flow 1
TCP BBR	5	94.21	62.85	0.53
Copa	5	78.09	78.10	0.25
TCP Cubic	5	84.47	46.11	0.26
FillP	5	95.25	49.99	0.25
FillP-Sheep	5	92.86	46.84	0.24
Indigo	5	95.68	44.75	0.23
Indigo-MusesC3	5	93.91	45.54	0.25
Indigo-MusesC5	5	95.65	44.68	0.25
Indigo-MusesD	5	96.01	43.62	0.25
Indigo-MusesT	5	96.49	50.70	0.96
LEDBAT	5	60.61	44.81	0.26
PCC-Allegro	5	91.74	45.13	0.24
PCC-Expr	5	85.92	170.83	0.33
QUIC Cubic	5	80.20	51.45	0.27
SReAM	5	0.21	40.70	0.26
Sprout	5	11.99	46.48	0.24
TaoVA-100x	5	88.16	50.82	0.23
TCP Vegas	5	80.07	41.76	0.29
Verus	5	83.87	81.54	0.48
PCC-Vivace	5	84.95	41.32	0.25
WebRTC media	5	2.28	40.50	0.28

Run 1: Statistics of TCP BBR

Start at: 2019-05-30 05:58:43

End at: 2019-05-30 05:59:13

Local clock offset: 0.606 ms

Remote clock offset: -2.391 ms

Below is generated by plot.py at 2019-05-30 07:44:37

Datalink statistics

-- Total of 1 flow:

Average throughput: 94.31 Mbit/s

95th percentile per-packet one-way delay: 60.732 ms

Loss rate: 0.66%

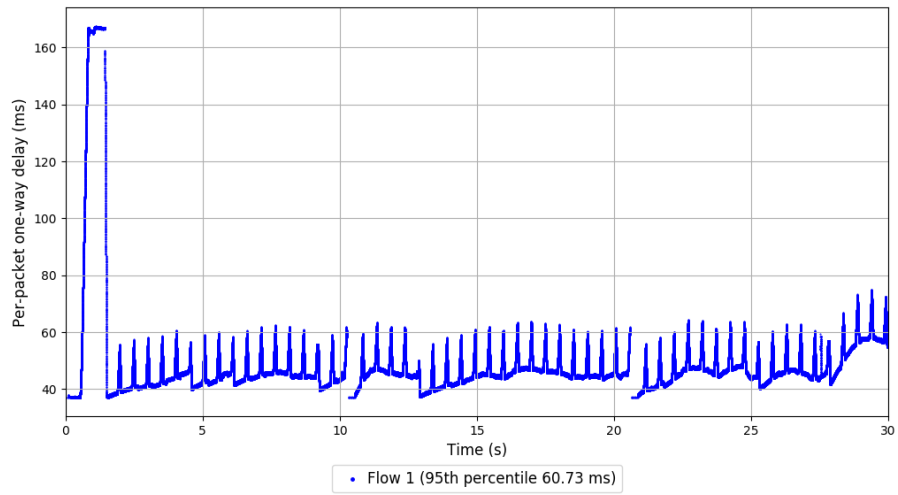
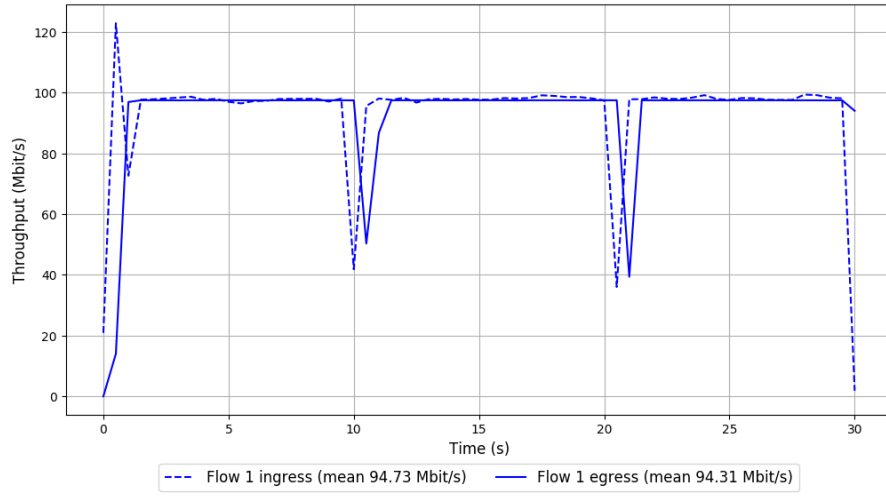
-- Flow 1:

Average throughput: 94.31 Mbit/s

95th percentile per-packet one-way delay: 60.732 ms

Loss rate: 0.66%

Run 1: Report of TCP BBR — Data Link



Run 2: Statistics of TCP BBR

Start at: 2019-05-30 06:24:13

End at: 2019-05-30 06:24:43

Local clock offset: 0.238 ms

Remote clock offset: -1.666 ms

Below is generated by plot.py at 2019-05-30 07:44:37

Datalink statistics

-- Total of 1 flow:

Average throughput: 94.17 Mbit/s

95th percentile per-packet one-way delay: 59.680 ms

Loss rate: 0.63%

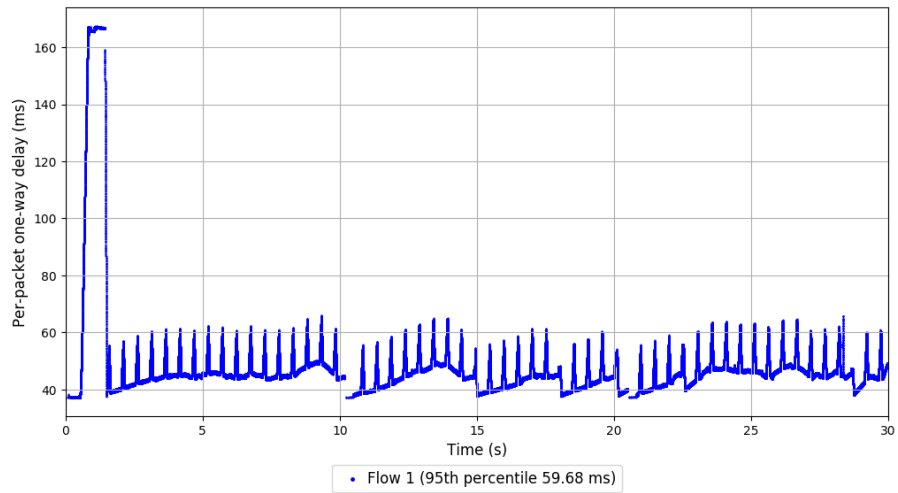
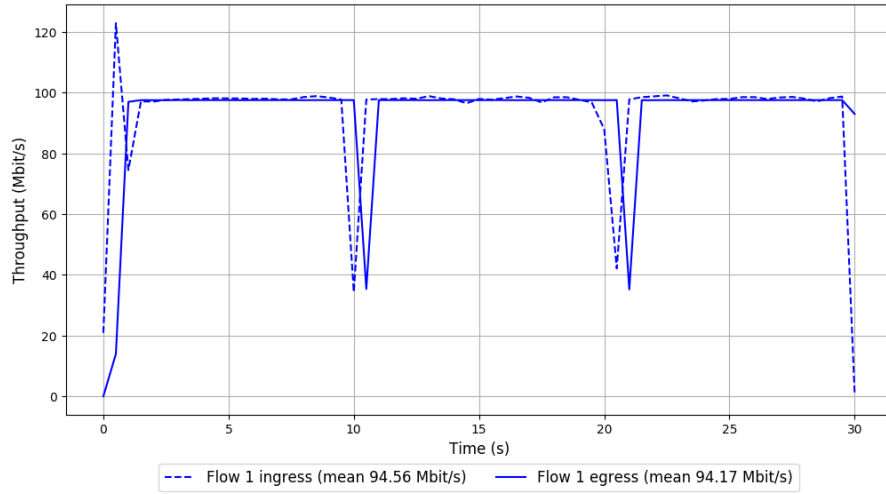
-- Flow 1:

Average throughput: 94.17 Mbit/s

95th percentile per-packet one-way delay: 59.680 ms

Loss rate: 0.63%

Run 2: Report of TCP BBR — Data Link



Run 3: Statistics of TCP BBR

Start at: 2019-05-30 06:49:05

End at: 2019-05-30 06:49:35

Local clock offset: 1.148 ms

Remote clock offset: -3.326 ms

Below is generated by plot.py at 2019-05-30 07:44:37

Datalink statistics

-- Total of 1 flow:

Average throughput: 94.24 Mbit/s

95th percentile per-packet one-way delay: 60.490 ms

Loss rate: 0.45%

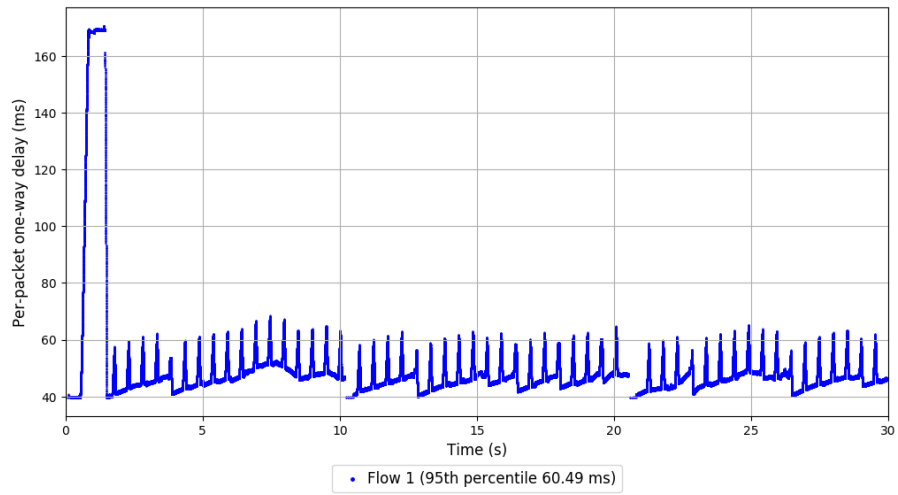
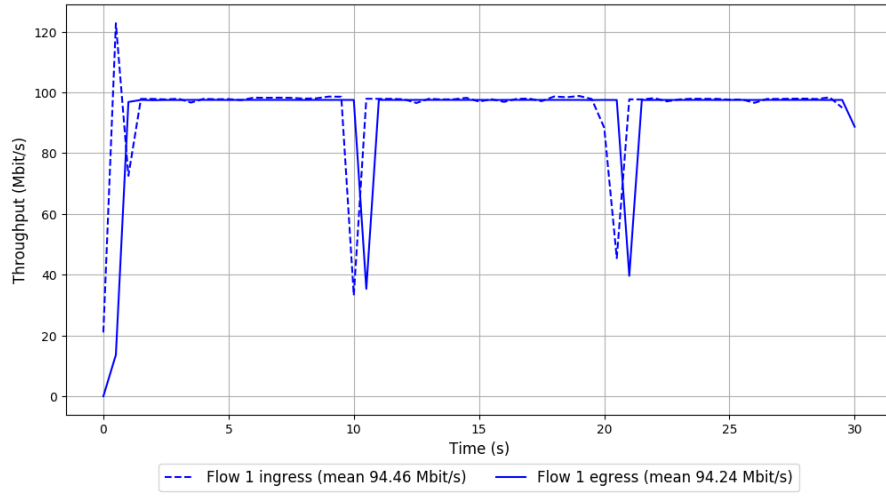
-- Flow 1:

Average throughput: 94.24 Mbit/s

95th percentile per-packet one-way delay: 60.490 ms

Loss rate: 0.45%

Run 3: Report of TCP BBR — Data Link



Run 4: Statistics of TCP BBR

Start at: 2019-05-30 07:13:55

End at: 2019-05-30 07:14:25

Local clock offset: 0.807 ms

Remote clock offset: -2.809 ms

Below is generated by plot.py at 2019-05-30 07:44:37

Datalink statistics

-- Total of 1 flow:

Average throughput: 94.19 Mbit/s

95th percentile per-packet one-way delay: 66.430 ms

Loss rate: 0.45%

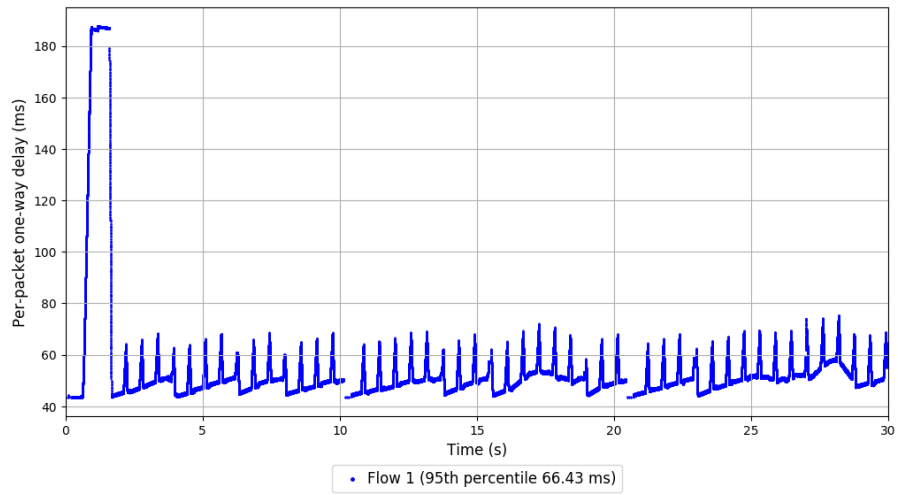
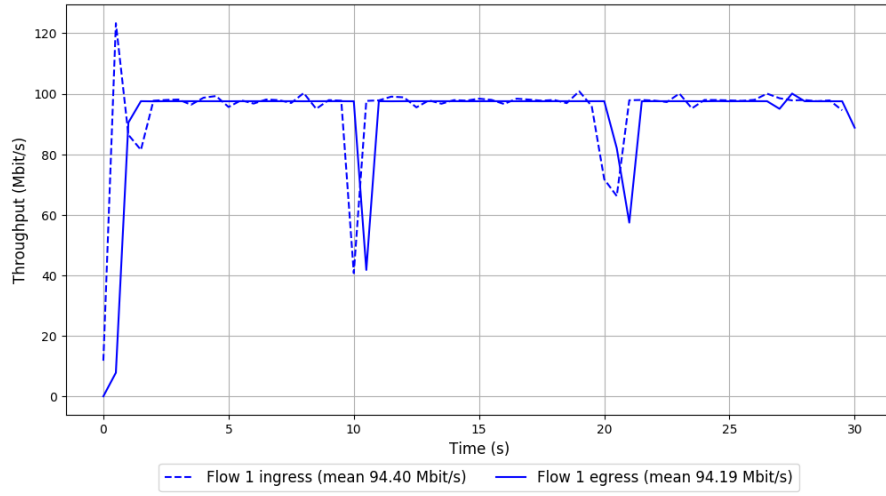
-- Flow 1:

Average throughput: 94.19 Mbit/s

95th percentile per-packet one-way delay: 66.430 ms

Loss rate: 0.45%

Run 4: Report of TCP BBR — Data Link



Run 5: Statistics of TCP BBR

Start at: 2019-05-30 07:38:35

End at: 2019-05-30 07:39:05

Local clock offset: -0.382 ms

Remote clock offset: -2.681 ms

Below is generated by plot.py at 2019-05-30 07:44:37

Datalink statistics

-- Total of 1 flow:

Average throughput: 94.16 Mbit/s

95th percentile per-packet one-way delay: 66.904 ms

Loss rate: 0.47%

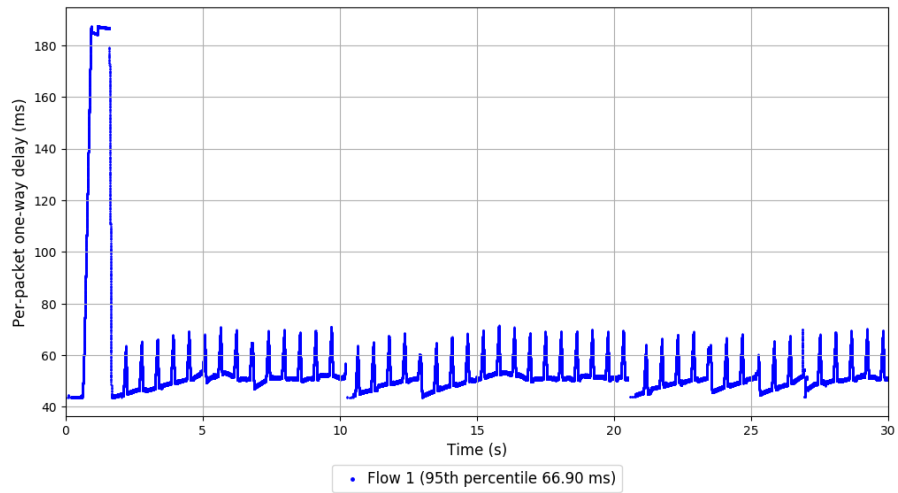
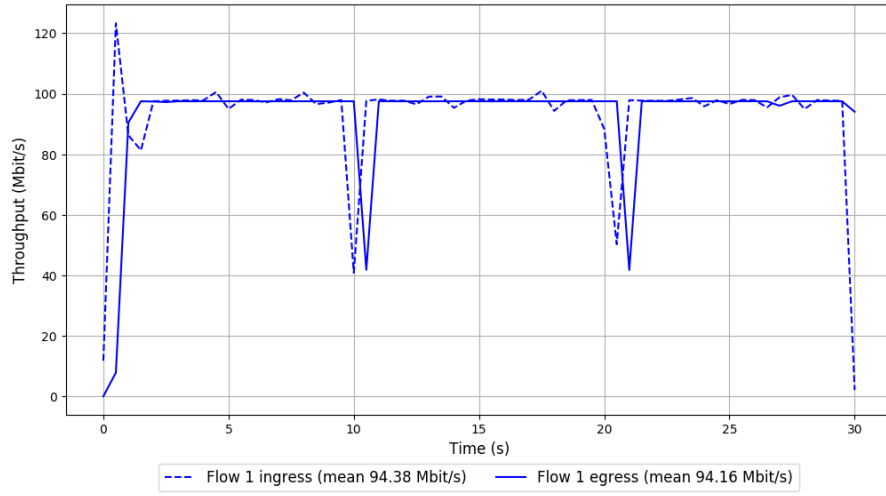
-- Flow 1:

Average throughput: 94.16 Mbit/s

95th percentile per-packet one-way delay: 66.904 ms

Loss rate: 0.47%

Run 5: Report of TCP BBR — Data Link

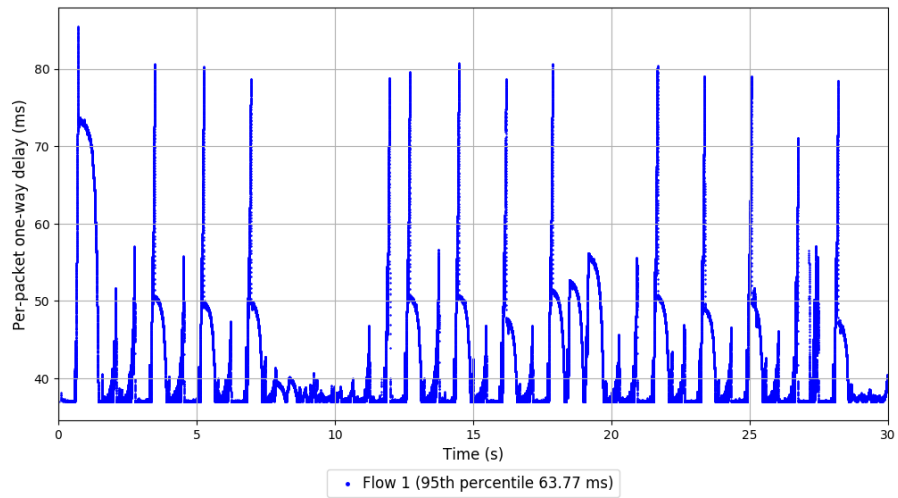
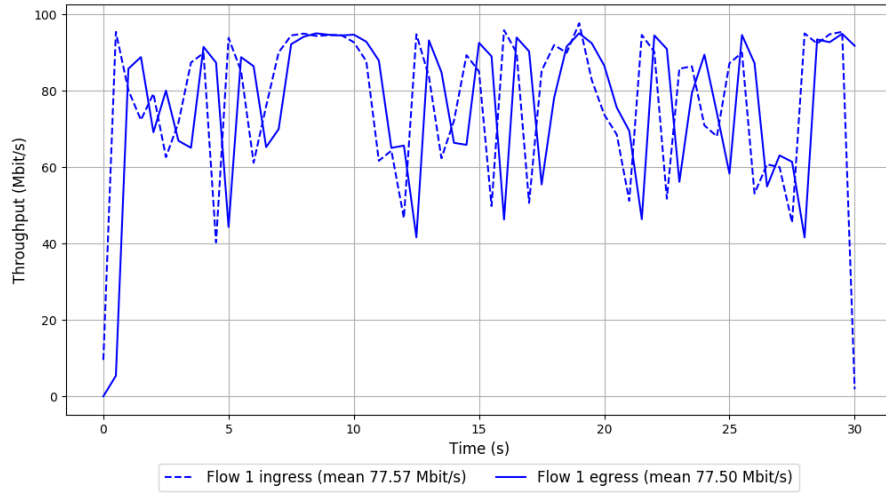


Run 1: Statistics of Copa

Start at: 2019-05-30 05:42:45
End at: 2019-05-30 05:43:15
Local clock offset: 0.468 ms
Remote clock offset: -2.935 ms

Below is generated by plot.py at 2019-05-30 07:45:18
Datalink statistics
-- Total of 1 flow:
Average throughput: 77.50 Mbit/s
95th percentile per-packet one-way delay: 63.767 ms
Loss rate: 0.31%
-- Flow 1:
Average throughput: 77.50 Mbit/s
95th percentile per-packet one-way delay: 63.767 ms
Loss rate: 0.31%

Run 1: Report of Copa — Data Link



Run 2: Statistics of Copa

Start at: 2019-05-30 06:08:50

End at: 2019-05-30 06:09:20

Local clock offset: 0.635 ms

Remote clock offset: -2.181 ms

Below is generated by plot.py at 2019-05-30 07:45:29

Datalink statistics

-- Total of 1 flow:

Average throughput: 83.76 Mbit/s

95th percentile per-packet one-way delay: 74.385 ms

Loss rate: 0.26%

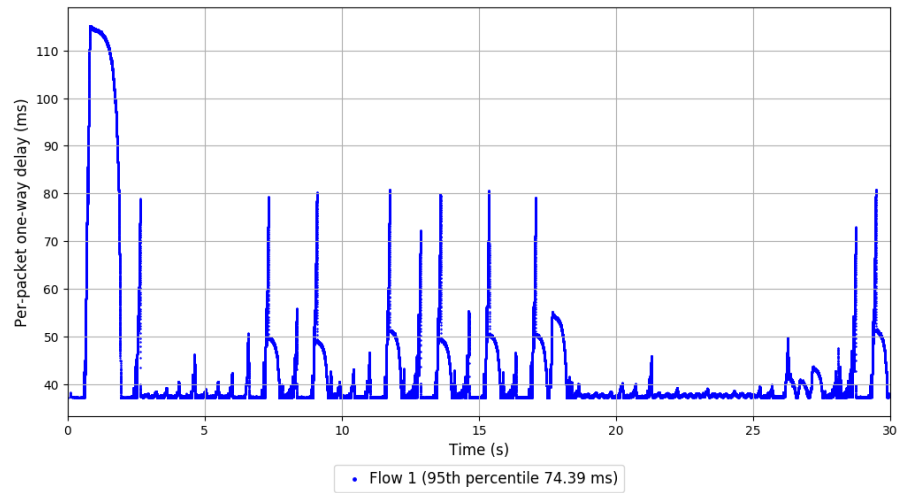
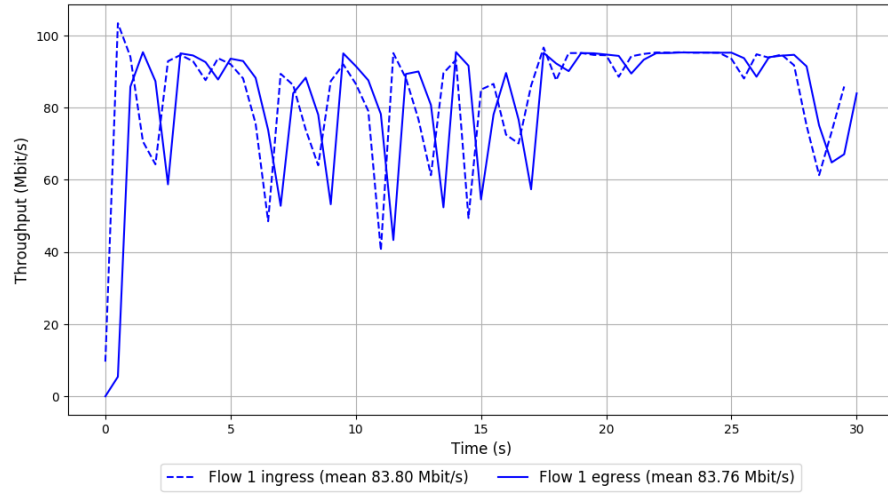
-- Flow 1:

Average throughput: 83.76 Mbit/s

95th percentile per-packet one-way delay: 74.385 ms

Loss rate: 0.26%

Run 2: Report of Copa — Data Link

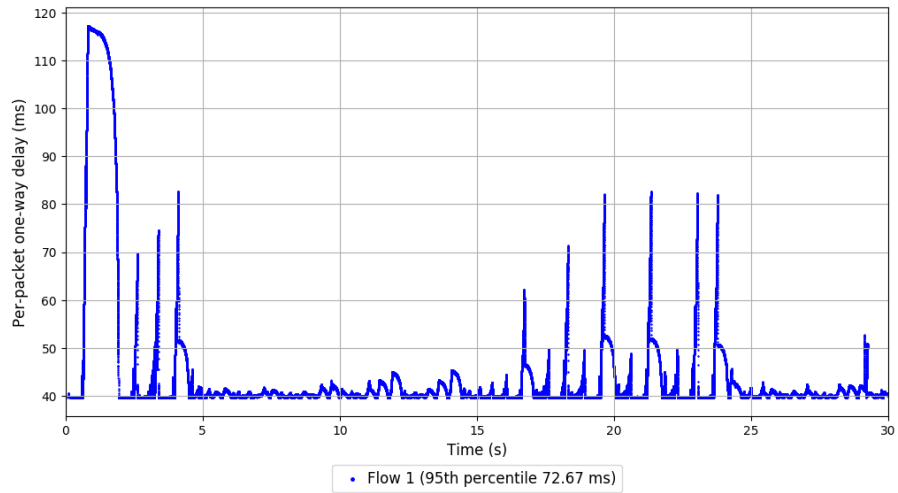
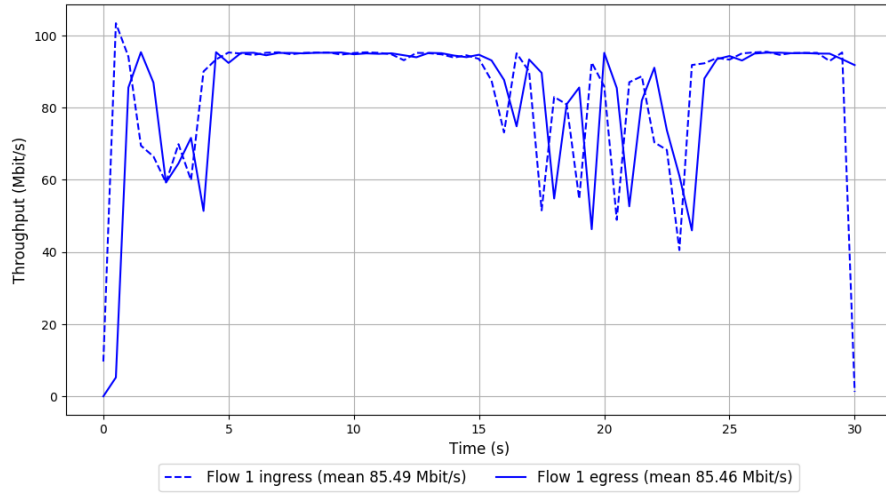


Run 3: Statistics of Copa

Start at: 2019-05-30 06:33:50
End at: 2019-05-30 06:34:20
Local clock offset: 0.205 ms
Remote clock offset: -3.668 ms

Below is generated by plot.py at 2019-05-30 07:45:32
Datalink statistics
-- Total of 1 flow:
Average throughput: 85.46 Mbit/s
95th percentile per-packet one-way delay: 72.671 ms
Loss rate: 0.25%
-- Flow 1:
Average throughput: 85.46 Mbit/s
95th percentile per-packet one-way delay: 72.671 ms
Loss rate: 0.25%

Run 3: Report of Copa — Data Link

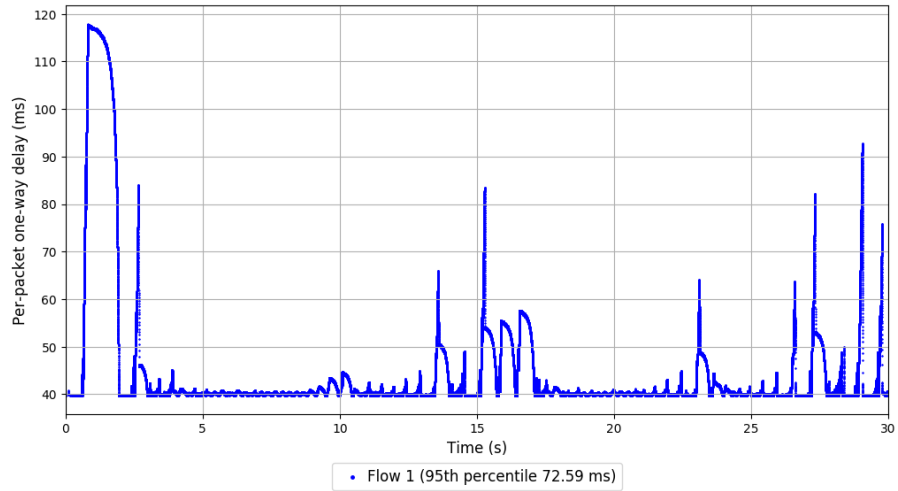
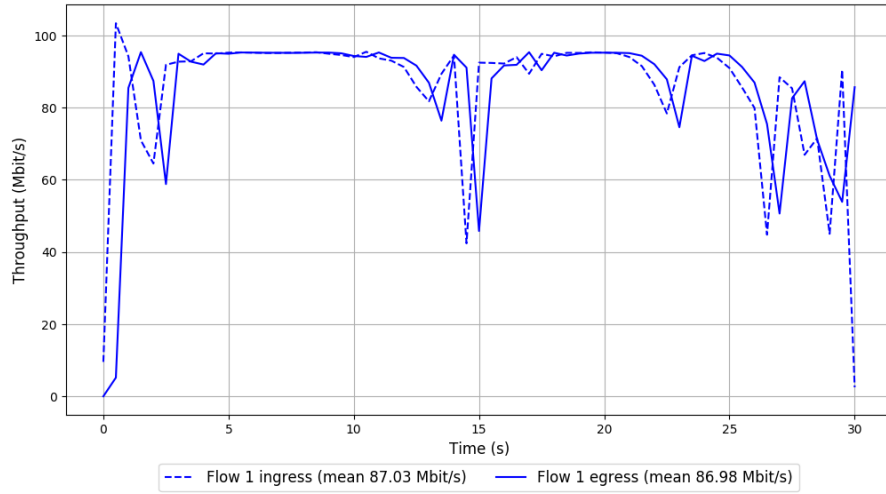


Run 4: Statistics of Copa

Start at: 2019-05-30 06:58:40
End at: 2019-05-30 06:59:10
Local clock offset: 1.492 ms
Remote clock offset: -3.256 ms

Below is generated by plot.py at 2019-05-30 07:46:46
Datalink statistics
-- Total of 1 flow:
Average throughput: 86.98 Mbit/s
95th percentile per-packet one-way delay: 72.595 ms
Loss rate: 0.26%
-- Flow 1:
Average throughput: 86.98 Mbit/s
95th percentile per-packet one-way delay: 72.595 ms
Loss rate: 0.26%

Run 4: Report of Copa — Data Link



Run 5: Statistics of Copa

Start at: 2019-05-30 07:23:20

End at: 2019-05-30 07:23:50

Local clock offset: 0.249 ms

Remote clock offset: -2.627 ms

Below is generated by plot.py at 2019-05-30 07:46:46

Datalink statistics

-- Total of 1 flow:

Average throughput: 56.74 Mbit/s

95th percentile per-packet one-way delay: 107.096 ms

Loss rate: 0.18%

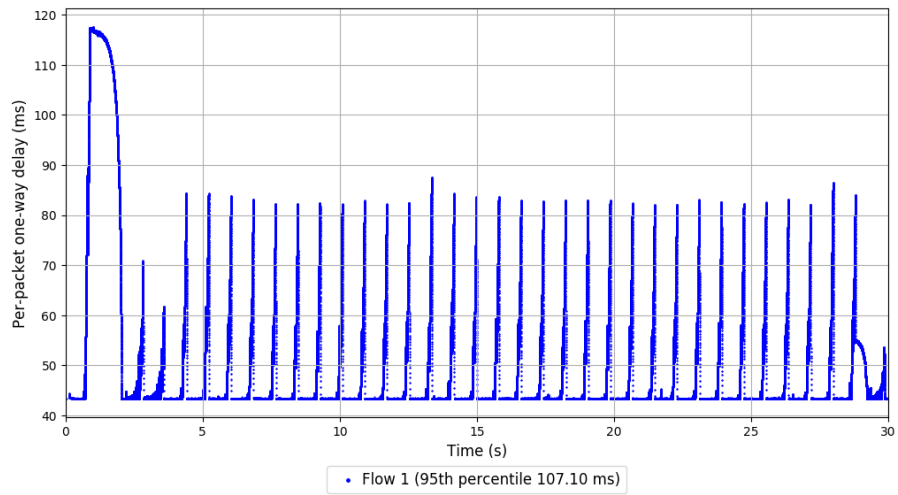
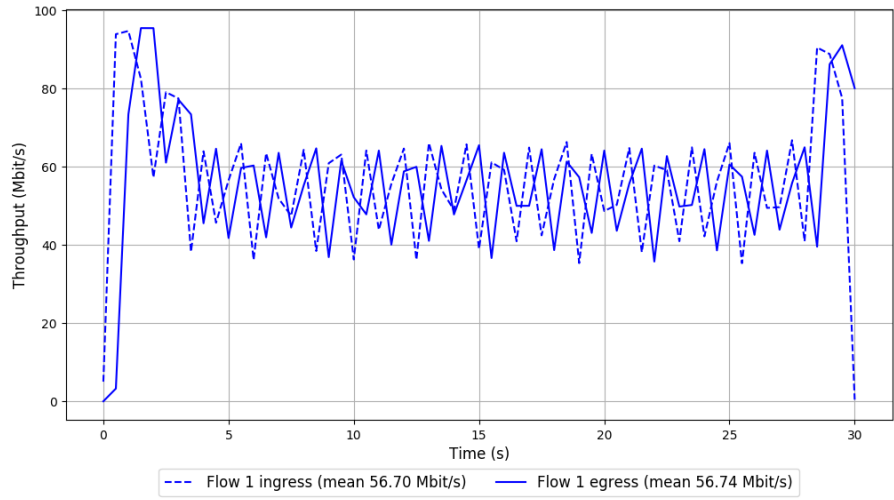
-- Flow 1:

Average throughput: 56.74 Mbit/s

95th percentile per-packet one-way delay: 107.096 ms

Loss rate: 0.18%

Run 5: Report of Copa — Data Link



Run 1: Statistics of TCP Cubic

Start at: 2019-05-30 05:44:03
End at: 2019-05-30 05:44:33
Local clock offset: 0.51 ms
Remote clock offset: -2.894 ms

Below is generated by plot.py at 2019-05-30 07:46:46

Datalink statistics

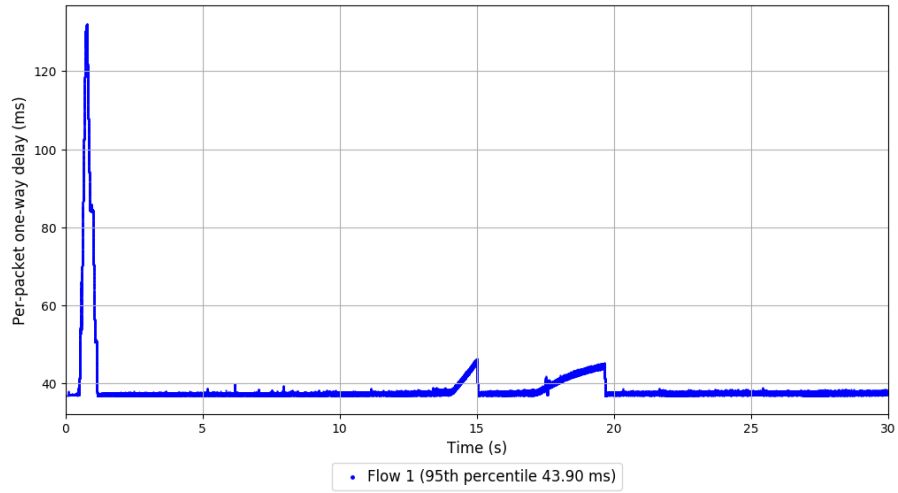
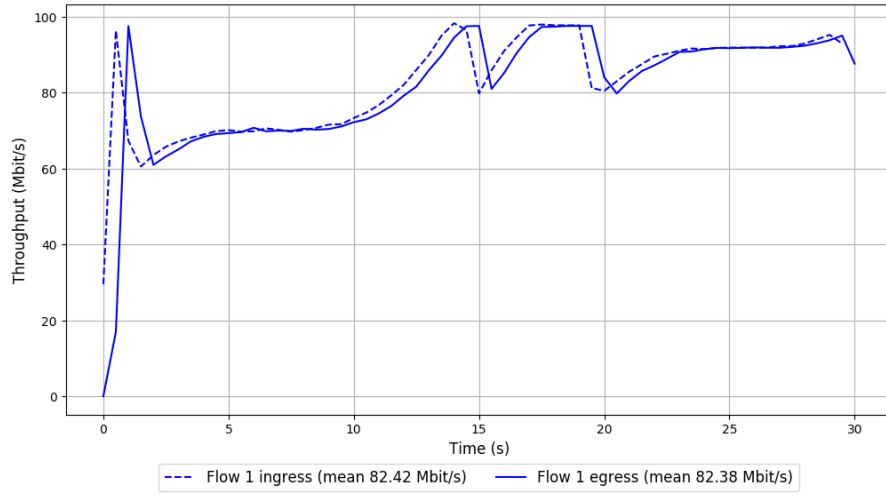
-- Total of 1 flow:

Average throughput: 82.38 Mbit/s
95th percentile per-packet one-way delay: 43.895 ms
Loss rate: 0.26%

-- Flow 1:

Average throughput: 82.38 Mbit/s
95th percentile per-packet one-way delay: 43.895 ms
Loss rate: 0.26%

Run 1: Report of TCP Cubic — Data Link



Run 2: Statistics of TCP Cubic

Start at: 2019-05-30 06:10:06

End at: 2019-05-30 06:10:36

Local clock offset: 0.58 ms

Remote clock offset: -1.868 ms

Below is generated by plot.py at 2019-05-30 07:46:46

Datalink statistics

-- Total of 1 flow:

Average throughput: 82.37 Mbit/s

95th percentile per-packet one-way delay: 43.487 ms

Loss rate: 0.26%

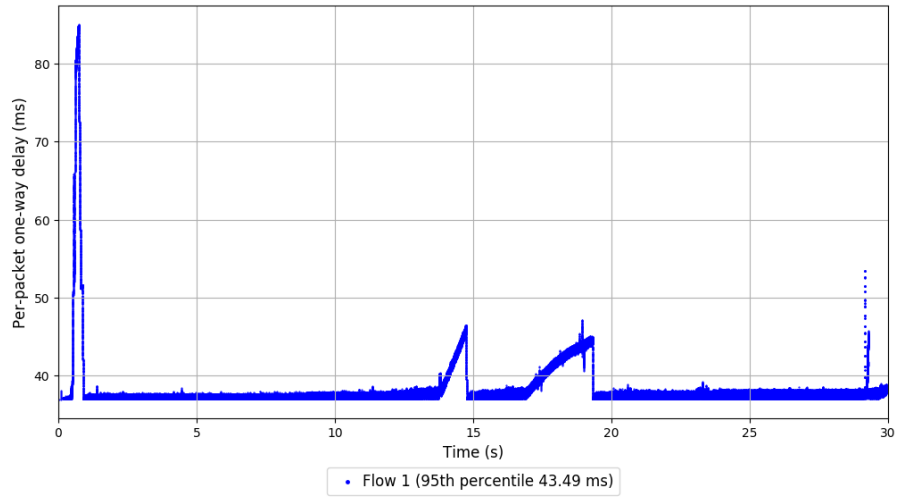
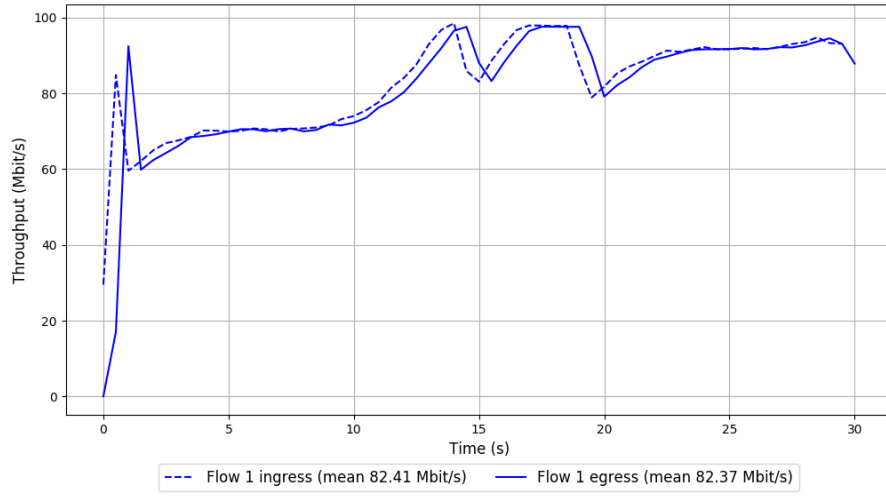
-- Flow 1:

Average throughput: 82.37 Mbit/s

95th percentile per-packet one-way delay: 43.487 ms

Loss rate: 0.26%

Run 2: Report of TCP Cubic — Data Link



Run 3: Statistics of TCP Cubic

Start at: 2019-05-30 06:35:06
End at: 2019-05-30 06:35:36
Local clock offset: 0.152 ms
Remote clock offset: -3.654 ms

Below is generated by plot.py at 2019-05-30 07:46:46

Datalink statistics

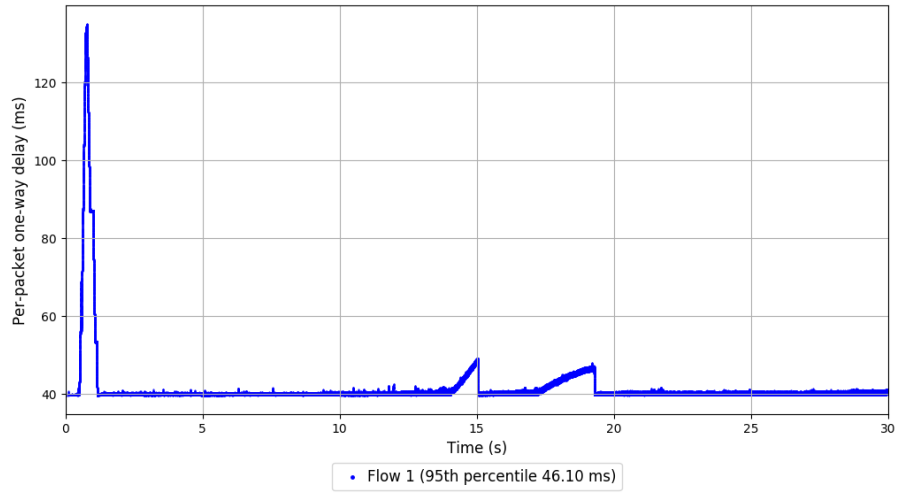
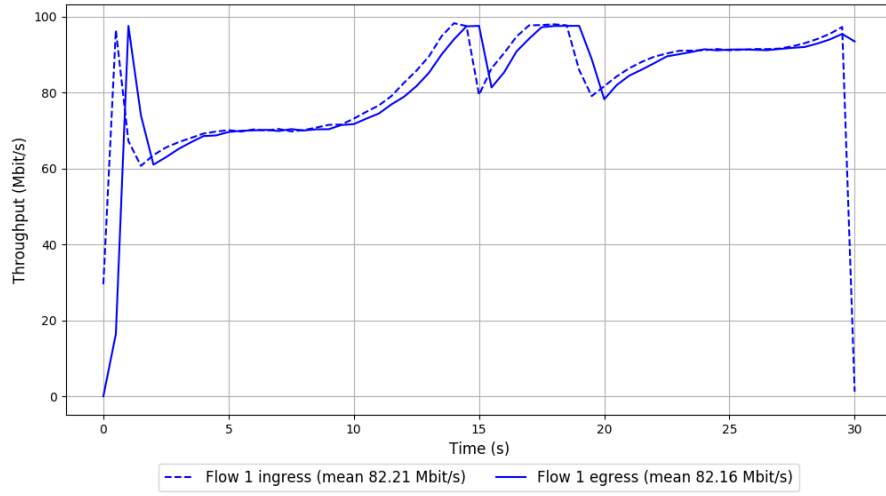
-- Total of 1 flow:

Average throughput: 82.16 Mbit/s
95th percentile per-packet one-way delay: 46.103 ms
Loss rate: 0.27%

-- Flow 1:

Average throughput: 82.16 Mbit/s
95th percentile per-packet one-way delay: 46.103 ms
Loss rate: 0.27%

Run 3: Report of TCP Cubic — Data Link



Run 4: Statistics of TCP Cubic

Start at: 2019-05-30 06:59:54

End at: 2019-05-30 07:00:24

Local clock offset: 1.491 ms

Remote clock offset: -3.181 ms

Below is generated by plot.py at 2019-05-30 07:46:46

Datalink statistics

-- Total of 1 flow:

Average throughput: 92.25 Mbit/s

95th percentile per-packet one-way delay: 46.688 ms

Loss rate: 0.23%

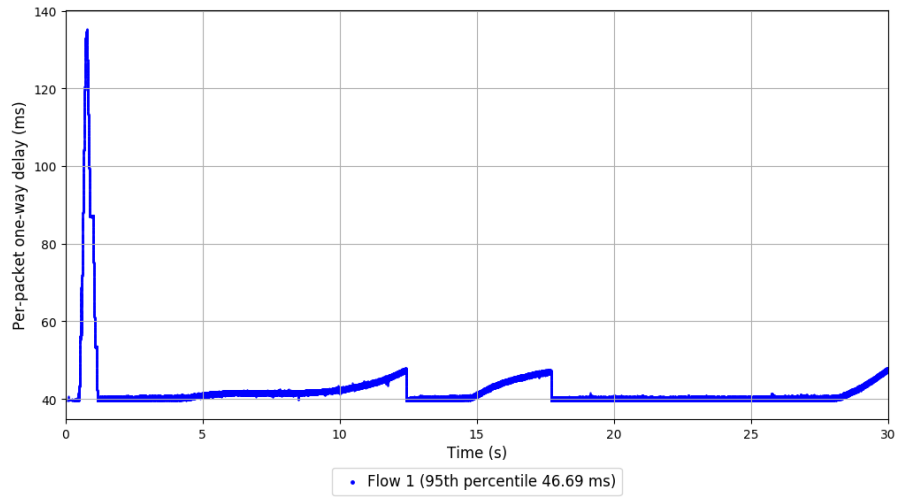
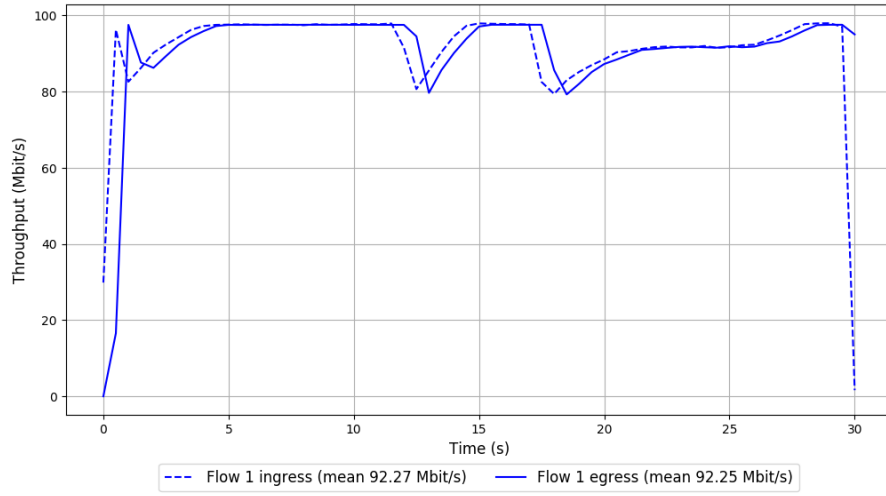
-- Flow 1:

Average throughput: 92.25 Mbit/s

95th percentile per-packet one-way delay: 46.688 ms

Loss rate: 0.23%

Run 4: Report of TCP Cubic — Data Link



Run 5: Statistics of TCP Cubic

Start at: 2019-05-30 07:24:31

End at: 2019-05-30 07:25:01

Local clock offset: 0.191 ms

Remote clock offset: -2.636 ms

Below is generated by plot.py at 2019-05-30 07:46:46

Datalink statistics

-- Total of 1 flow:

Average throughput: 83.19 Mbit/s

95th percentile per-packet one-way delay: 50.376 ms

Loss rate: 0.28%

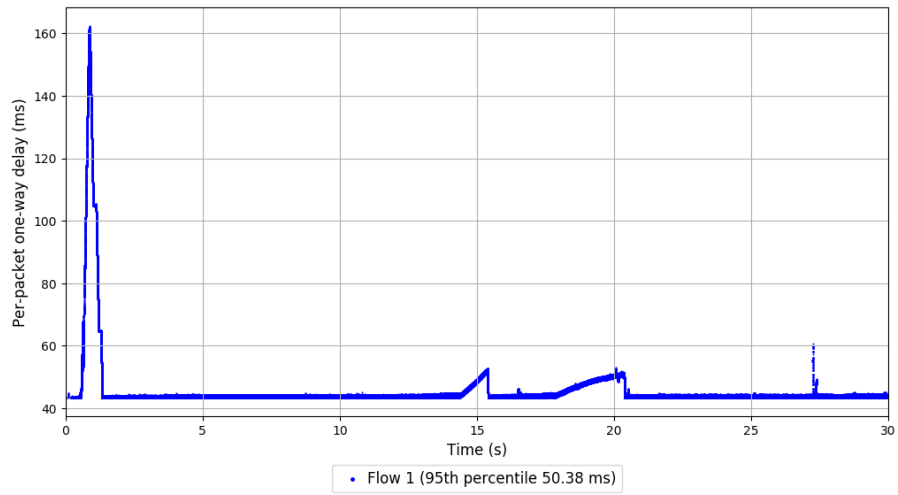
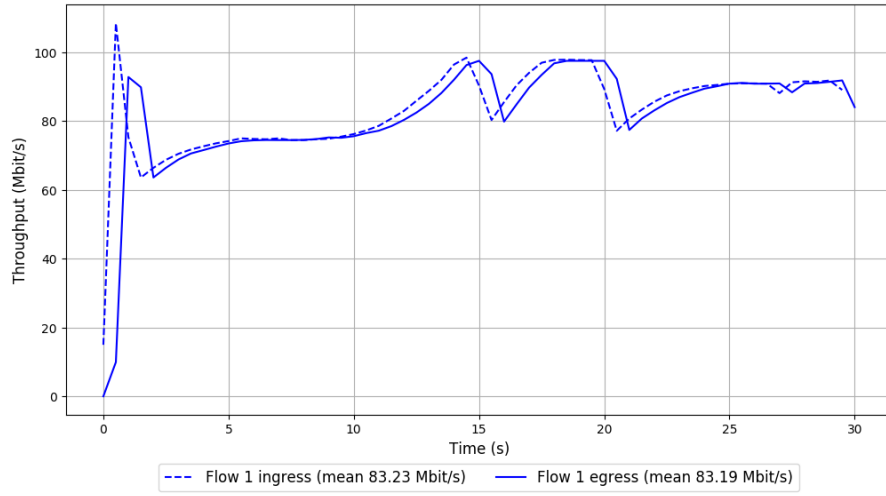
-- Flow 1:

Average throughput: 83.19 Mbit/s

95th percentile per-packet one-way delay: 50.376 ms

Loss rate: 0.28%

Run 5: Report of TCP Cubic — Data Link



Run 1: Statistics of FillP

Start at: 2019-05-30 05:39:16

End at: 2019-05-30 05:39:46

Local clock offset: 0.399 ms

Remote clock offset: -3.09 ms

Below is generated by plot.py at 2019-05-30 07:46:57

Datalink statistics

-- Total of 1 flow:

Average throughput: 95.37 Mbit/s

95th percentile per-packet one-way delay: 55.412 ms

Loss rate: 0.28%

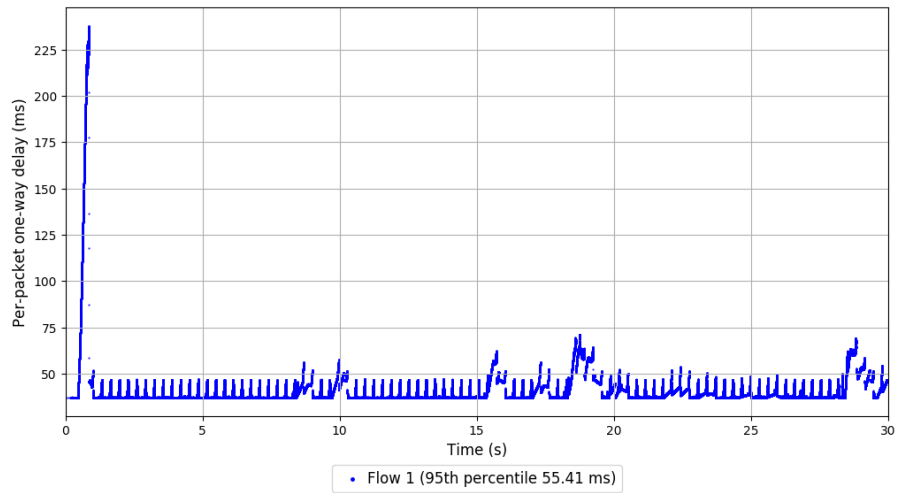
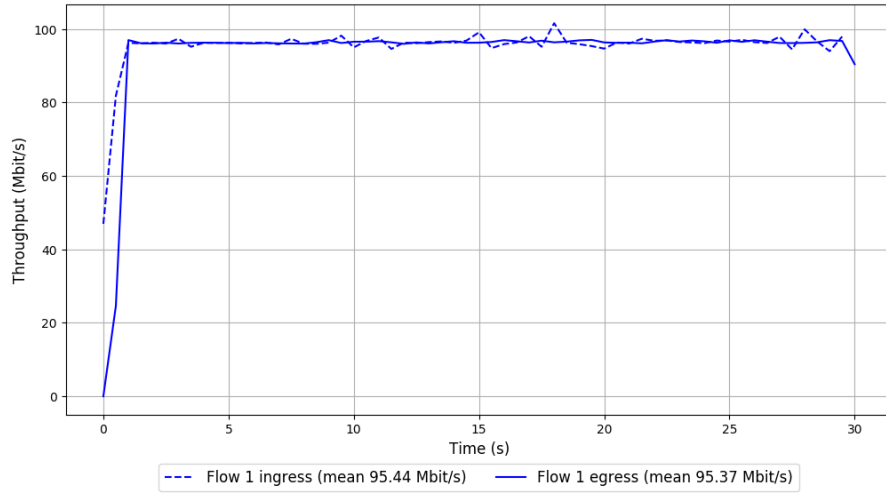
-- Flow 1:

Average throughput: 95.37 Mbit/s

95th percentile per-packet one-way delay: 55.412 ms

Loss rate: 0.28%

Run 1: Report of FillP — Data Link

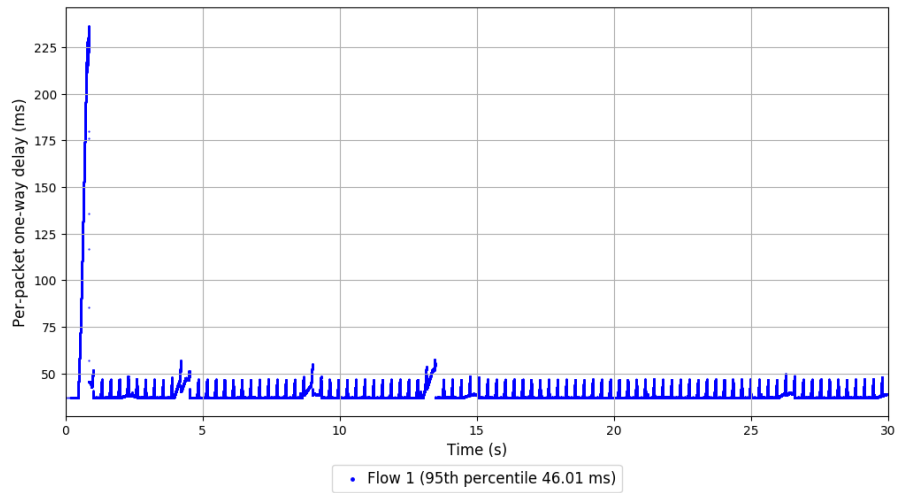
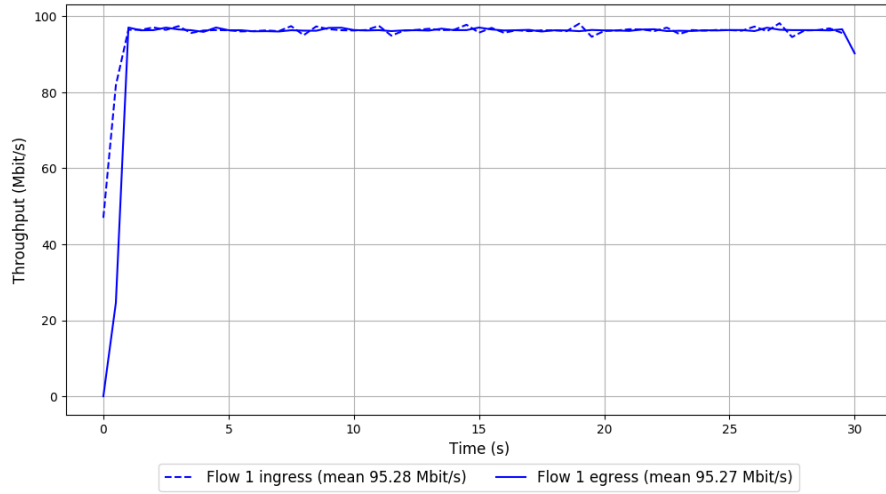


Run 2: Statistics of FillP

Start at: 2019-05-30 06:05:14
End at: 2019-05-30 06:05:44
Local clock offset: 0.651 ms
Remote clock offset: -2.407 ms

Below is generated by plot.py at 2019-05-30 07:47:01
Datalink statistics
-- Total of 1 flow:
Average throughput: 95.27 Mbit/s
95th percentile per-packet one-way delay: 46.007 ms
Loss rate: 0.23%
-- Flow 1:
Average throughput: 95.27 Mbit/s
95th percentile per-packet one-way delay: 46.007 ms
Loss rate: 0.23%

Run 2: Report of FillP — Data Link

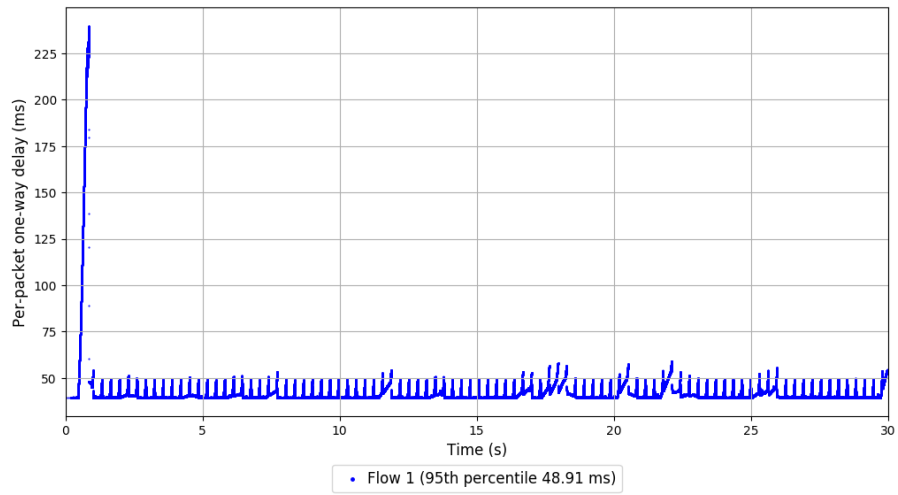
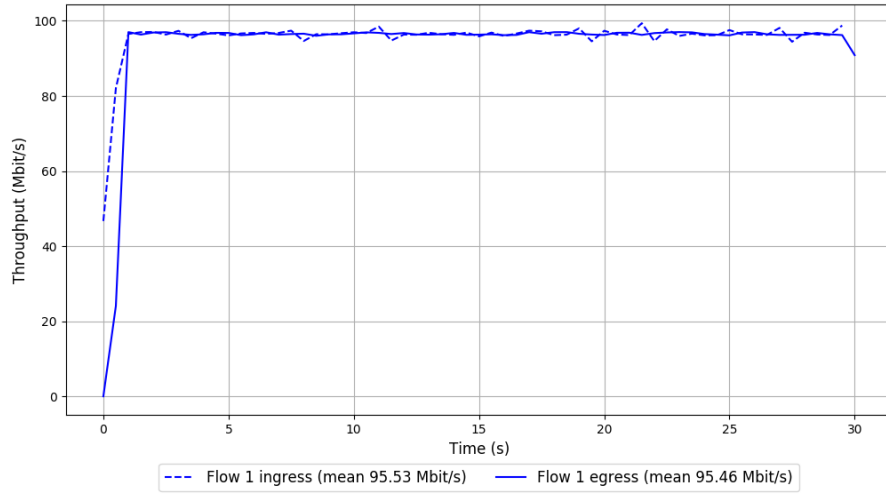


Run 3: Statistics of FillP

Start at: 2019-05-30 06:30:14
End at: 2019-05-30 06:30:44
Local clock offset: 0.213 ms
Remote clock offset: -3.676 ms

Below is generated by plot.py at 2019-05-30 07:47:03
Datalink statistics
-- Total of 1 flow:
Average throughput: 95.46 Mbit/s
95th percentile per-packet one-way delay: 48.912 ms
Loss rate: 0.28%
-- Flow 1:
Average throughput: 95.46 Mbit/s
95th percentile per-packet one-way delay: 48.912 ms
Loss rate: 0.28%

Run 3: Report of FillP — Data Link



Run 4: Statistics of FillP

Start at: 2019-05-30 06:55:04

End at: 2019-05-30 06:55:34

Local clock offset: 1.388 ms

Remote clock offset: -3.182 ms

Below is generated by plot.py at 2019-05-30 07:47:03

Datalink statistics

-- Total of 1 flow:

Average throughput: 95.17 Mbit/s

95th percentile per-packet one-way delay: 47.563 ms

Loss rate: 0.22%

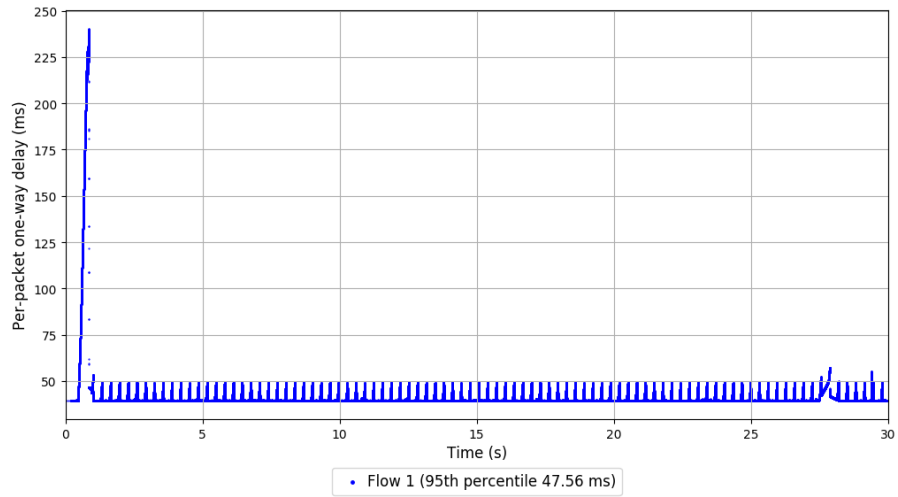
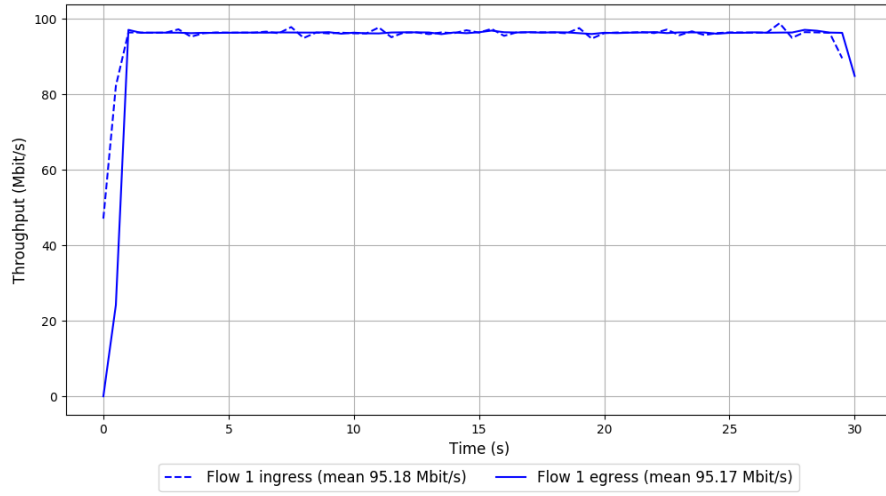
-- Flow 1:

Average throughput: 95.17 Mbit/s

95th percentile per-packet one-way delay: 47.563 ms

Loss rate: 0.22%

Run 4: Report of FillP — Data Link



Run 5: Statistics of FillP

Start at: 2019-05-30 07:19:51

End at: 2019-05-30 07:20:21

Local clock offset: 0.375 ms

Remote clock offset: -2.72 ms

Below is generated by plot.py at 2019-05-30 07:47:30

Datalink statistics

-- Total of 1 flow:

Average throughput: 94.98 Mbit/s

95th percentile per-packet one-way delay: 52.036 ms

Loss rate: 0.25%

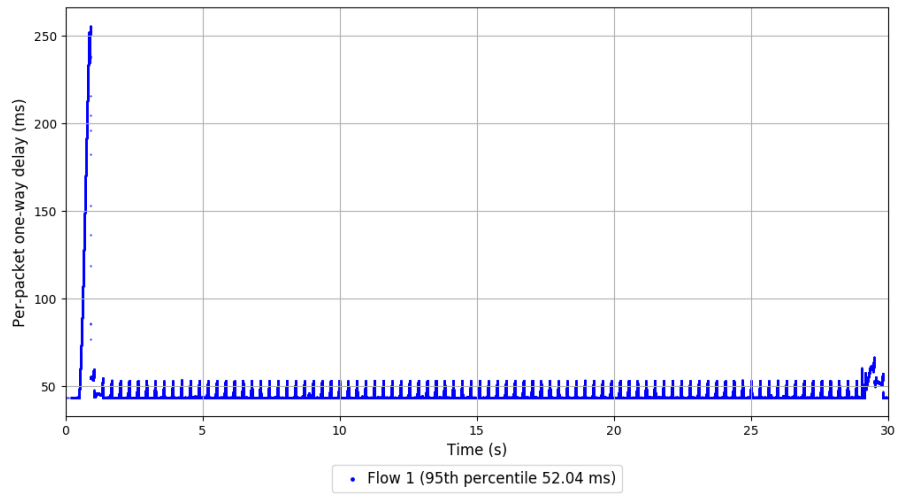
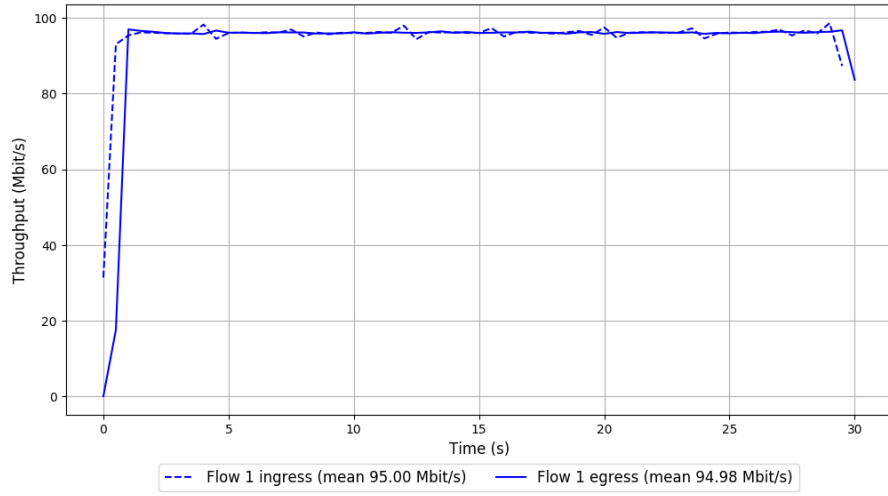
-- Flow 1:

Average throughput: 94.98 Mbit/s

95th percentile per-packet one-way delay: 52.036 ms

Loss rate: 0.25%

Run 5: Report of FillP — Data Link

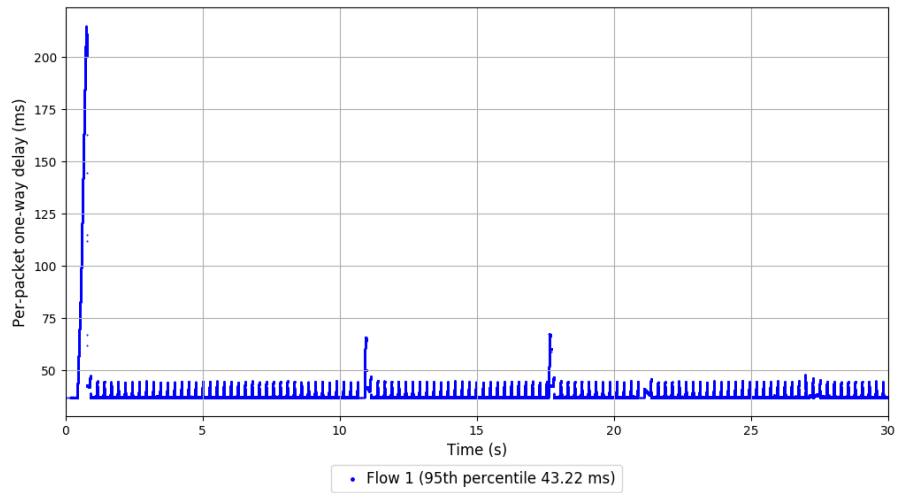
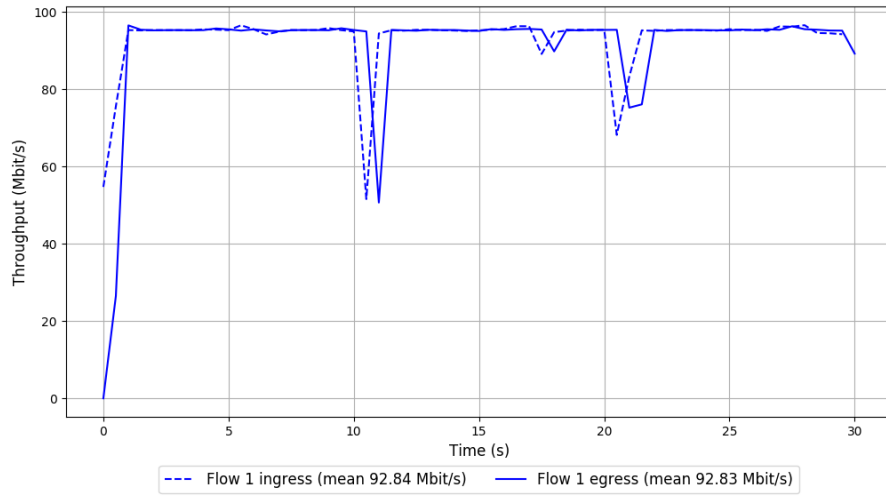


Run 1: Statistics of FillP-Sheep

Start at: 2019-05-30 05:52:35
End at: 2019-05-30 05:53:05
Local clock offset: 0.579 ms
Remote clock offset: -2.684 ms

Below is generated by plot.py at 2019-05-30 07:47:47
Datalink statistics
-- Total of 1 flow:
Average throughput: 92.83 Mbit/s
95th percentile per-packet one-way delay: 43.216 ms
Loss rate: 0.22%
-- Flow 1:
Average throughput: 92.83 Mbit/s
95th percentile per-packet one-way delay: 43.216 ms
Loss rate: 0.22%

Run 1: Report of FillP-Sheep — Data Link



Run 2: Statistics of FillP-Sheep

Start at: 2019-05-30 06:18:22

End at: 2019-05-30 06:18:52

Local clock offset: 0.304 ms

Remote clock offset: -1.838 ms

Below is generated by plot.py at 2019-05-30 07:47:47

Datalink statistics

-- Total of 1 flow:

Average throughput: 92.96 Mbit/s

95th percentile per-packet one-way delay: 43.822 ms

Loss rate: 0.23%

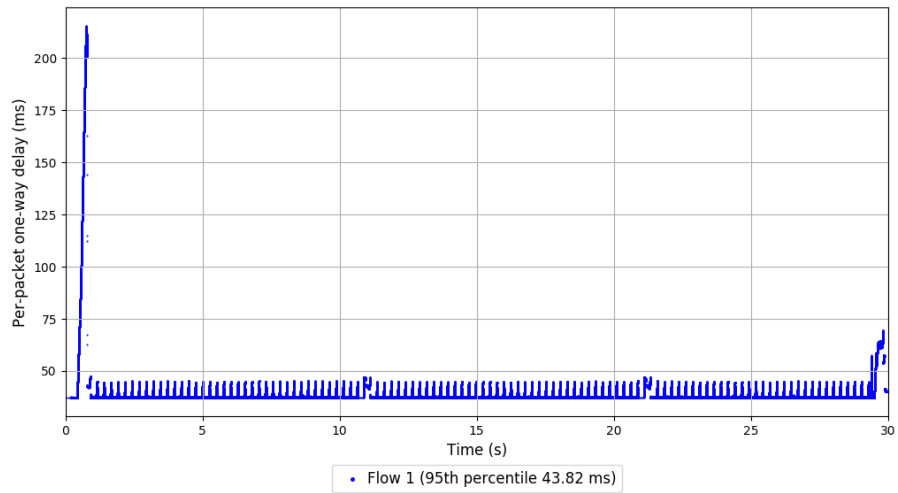
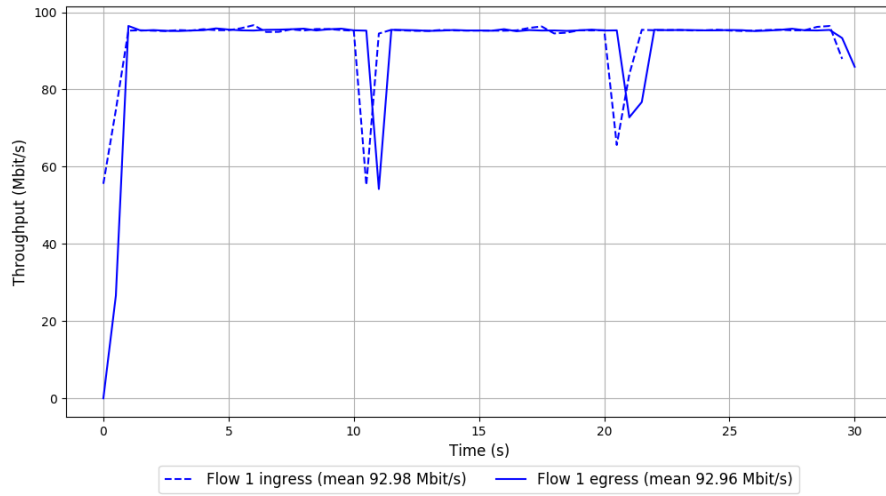
-- Flow 1:

Average throughput: 92.96 Mbit/s

95th percentile per-packet one-way delay: 43.822 ms

Loss rate: 0.23%

Run 2: Report of FillP-Sheep — Data Link



Run 3: Statistics of FillP-Sheep

Start at: 2019-05-30 06:43:12

End at: 2019-05-30 06:43:42

Local clock offset: 0.74 ms

Remote clock offset: -3.445 ms

Below is generated by plot.py at 2019-05-30 07:48:08

Datalink statistics

-- Total of 1 flow:

Average throughput: 92.95 Mbit/s

95th percentile per-packet one-way delay: 46.371 ms

Loss rate: 0.22%

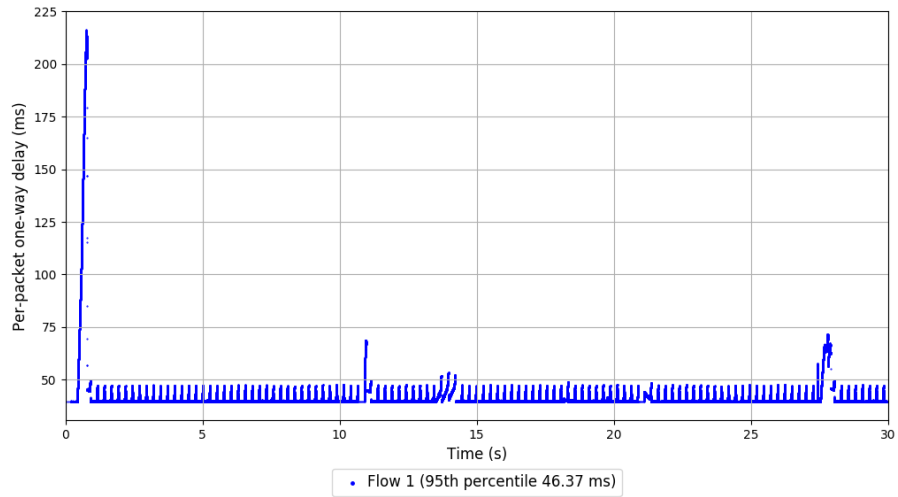
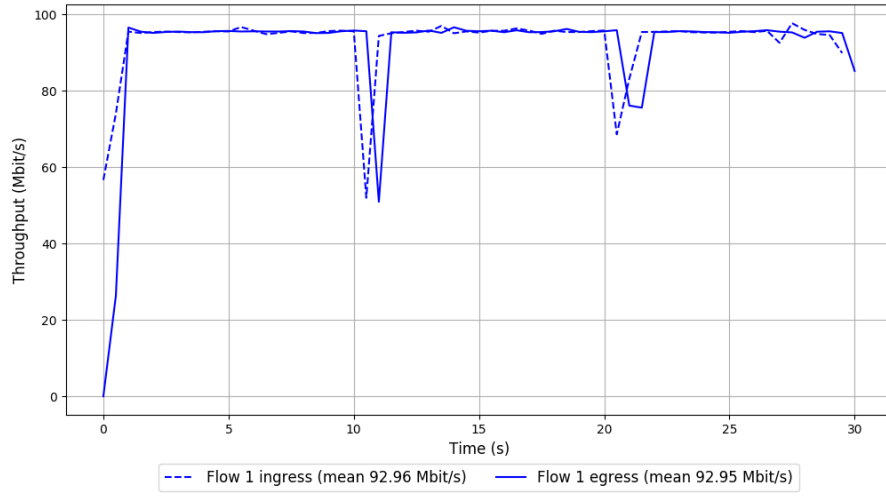
-- Flow 1:

Average throughput: 92.95 Mbit/s

95th percentile per-packet one-way delay: 46.371 ms

Loss rate: 0.22%

Run 3: Report of FillP-Sheep — Data Link



Run 4: Statistics of FillP-Sheep

Start at: 2019-05-30 07:08:02

End at: 2019-05-30 07:08:32

Local clock offset: 1.588 ms

Remote clock offset: -2.892 ms

Below is generated by plot.py at 2019-05-30 07:48:19

Datalink statistics

-- Total of 1 flow:

Average throughput: 92.80 Mbit/s

95th percentile per-packet one-way delay: 50.436 ms

Loss rate: 0.25%

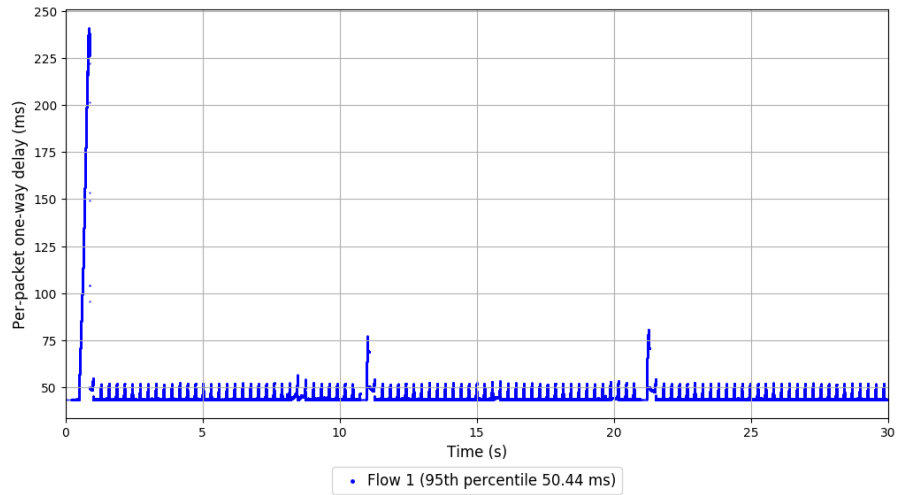
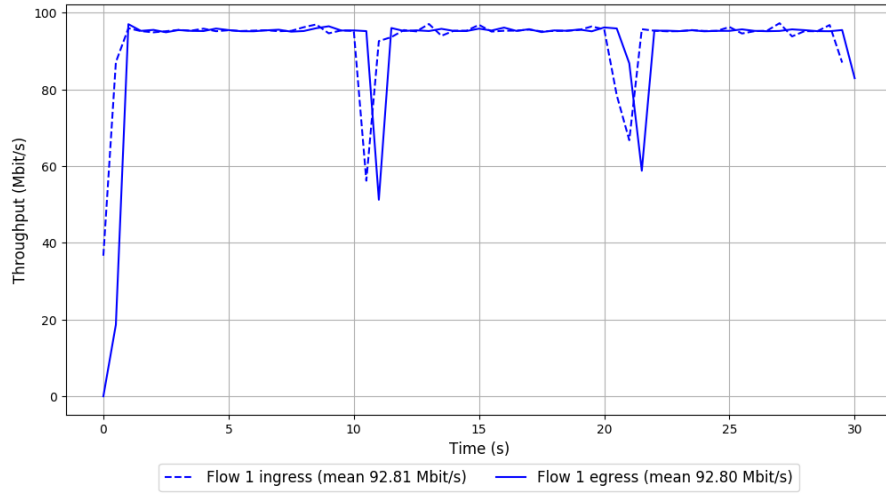
-- Flow 1:

Average throughput: 92.80 Mbit/s

95th percentile per-packet one-way delay: 50.436 ms

Loss rate: 0.25%

Run 4: Report of FillP-Sheep — Data Link

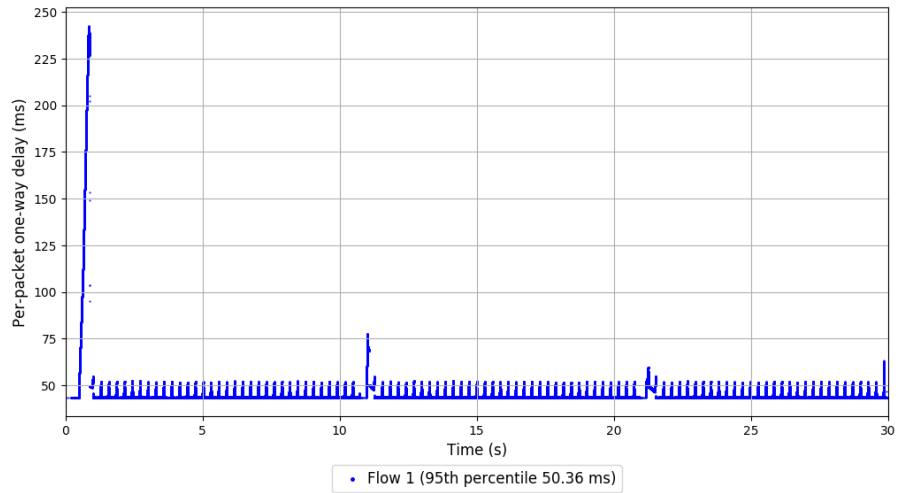
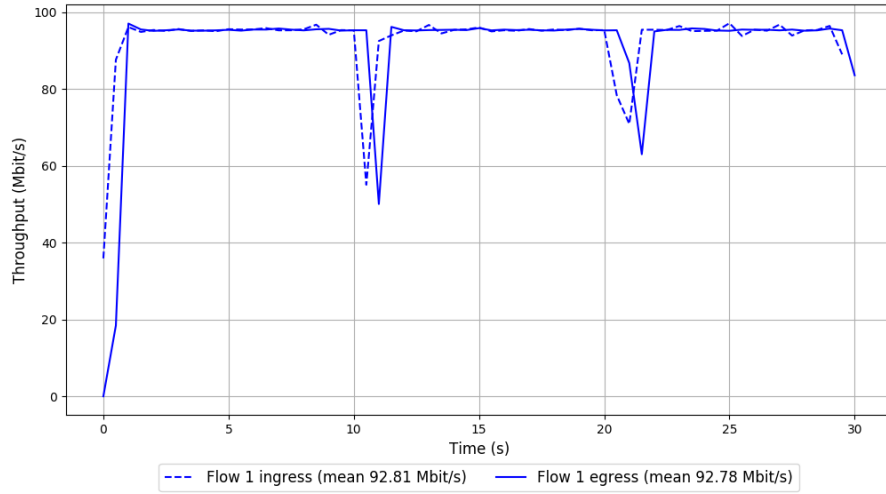


Run 5: Statistics of FillP-Sheep

Start at: 2019-05-30 07:32:41
End at: 2019-05-30 07:33:11
Local clock offset: -0.033 ms
Remote clock offset: -2.636 ms

Below is generated by plot.py at 2019-05-30 07:48:27
Datalink statistics
-- Total of 1 flow:
Average throughput: 92.78 Mbit/s
95th percentile per-packet one-way delay: 50.363 ms
Loss rate: 0.26%
-- Flow 1:
Average throughput: 92.78 Mbit/s
95th percentile per-packet one-way delay: 50.363 ms
Loss rate: 0.26%

Run 5: Report of FillP-Sheep — Data Link



Run 1: Statistics of Indigo

Start at: 2019-05-30 05:57:26

End at: 2019-05-30 05:57:56

Local clock offset: 0.637 ms

Remote clock offset: -2.452 ms

Below is generated by plot.py at 2019-05-30 07:48:27

Datalink statistics

-- Total of 1 flow:

Average throughput: 95.74 Mbit/s

95th percentile per-packet one-way delay: 41.790 ms

Loss rate: 0.23%

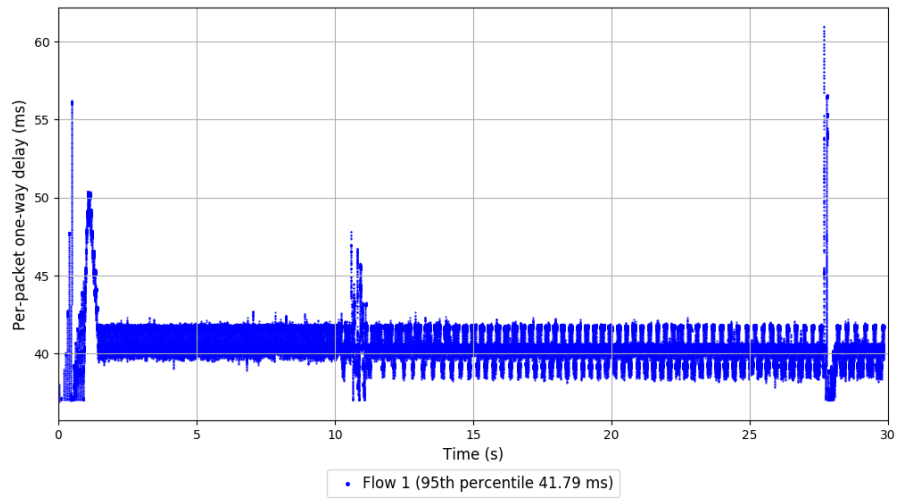
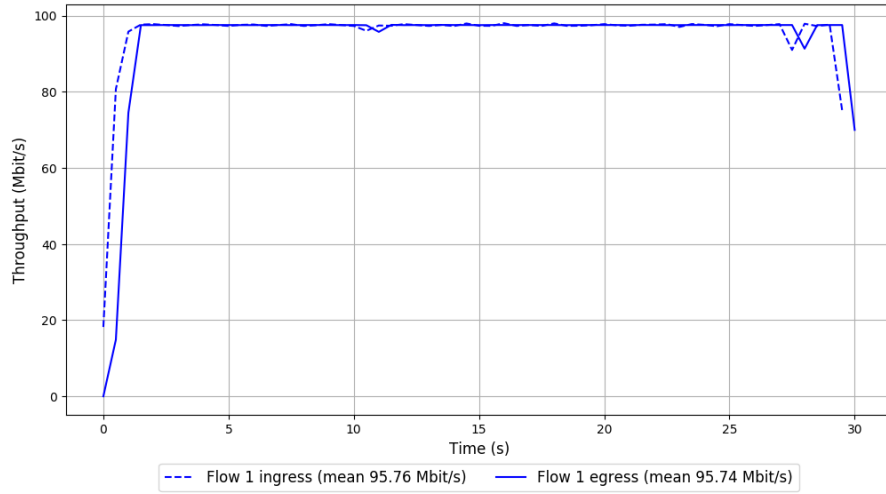
-- Flow 1:

Average throughput: 95.74 Mbit/s

95th percentile per-packet one-way delay: 41.790 ms

Loss rate: 0.23%

Run 1: Report of Indigo — Data Link



Run 2: Statistics of Indigo

Start at: 2019-05-30 06:23:01

End at: 2019-05-30 06:23:31

Local clock offset: 0.236 ms

Remote clock offset: -1.683 ms

Below is generated by plot.py at 2019-05-30 07:48:27

Datalink statistics

-- Total of 1 flow:

Average throughput: 95.98 Mbit/s

95th percentile per-packet one-way delay: 41.918 ms

Loss rate: 0.22%

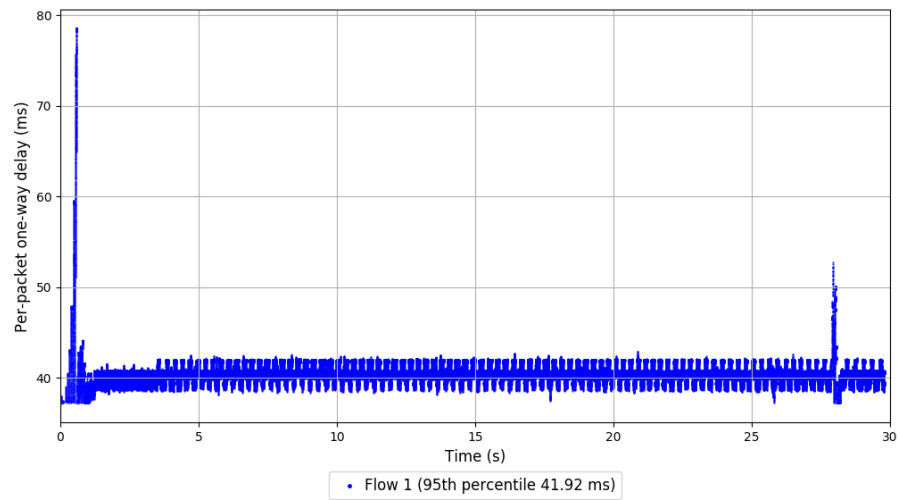
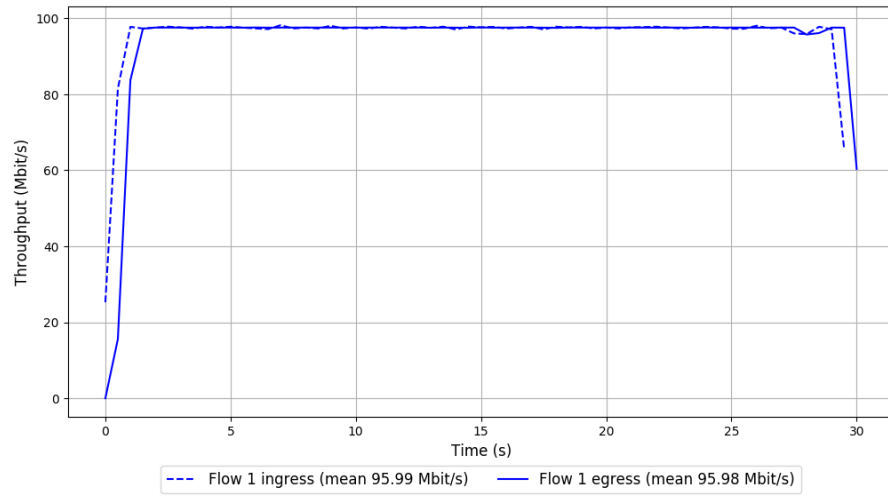
-- Flow 1:

Average throughput: 95.98 Mbit/s

95th percentile per-packet one-way delay: 41.918 ms

Loss rate: 0.22%

Run 2: Report of Indigo — Data Link



Run 3: Statistics of Indigo

Start at: 2019-05-30 06:47:52

End at: 2019-05-30 06:48:22

Local clock offset: 1.067 ms

Remote clock offset: -3.348 ms

Below is generated by plot.py at 2019-05-30 07:48:44

Datalink statistics

-- Total of 1 flow:

Average throughput: 95.95 Mbit/s

95th percentile per-packet one-way delay: 44.259 ms

Loss rate: 0.22%

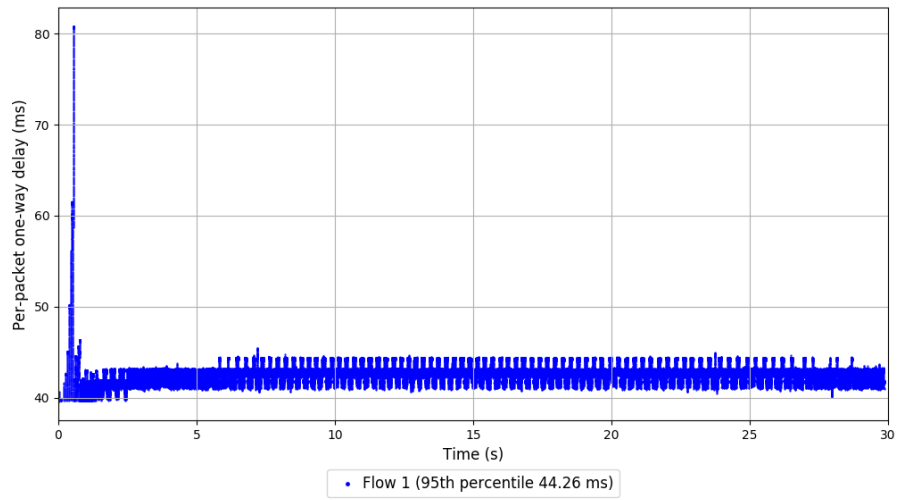
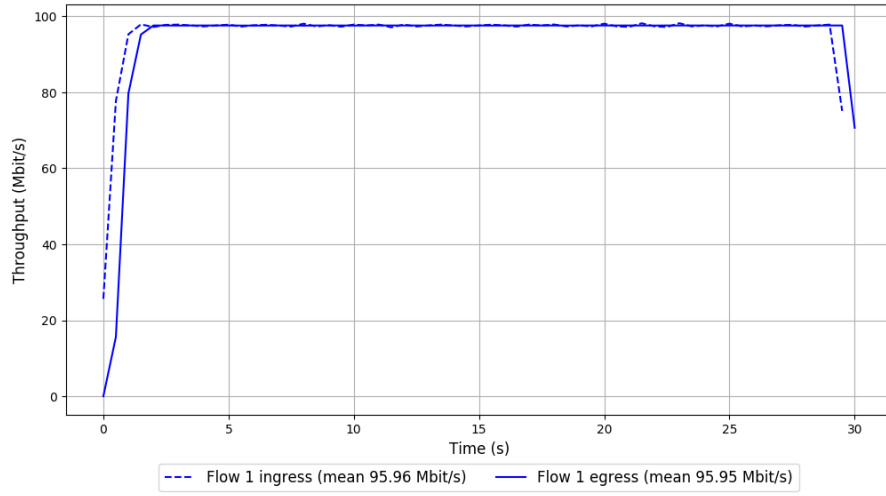
-- Flow 1:

Average throughput: 95.95 Mbit/s

95th percentile per-packet one-way delay: 44.259 ms

Loss rate: 0.22%

Run 3: Report of Indigo — Data Link



Run 4: Statistics of Indigo

Start at: 2019-05-30 07:12:43

End at: 2019-05-30 07:13:13

Local clock offset: 0.939 ms

Remote clock offset: -2.826 ms

Below is generated by plot.py at 2019-05-30 07:48:59

Datalink statistics

-- Total of 1 flow:

Average throughput: 95.40 Mbit/s

95th percentile per-packet one-way delay: 47.912 ms

Loss rate: 0.25%

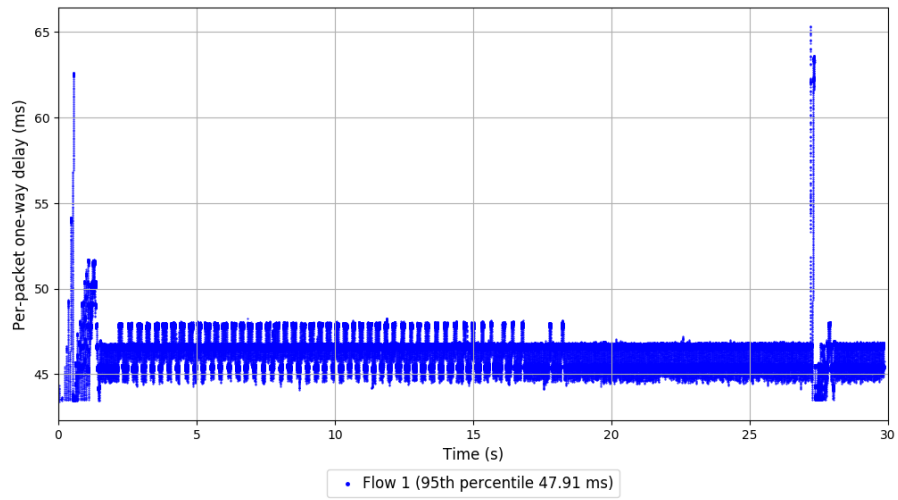
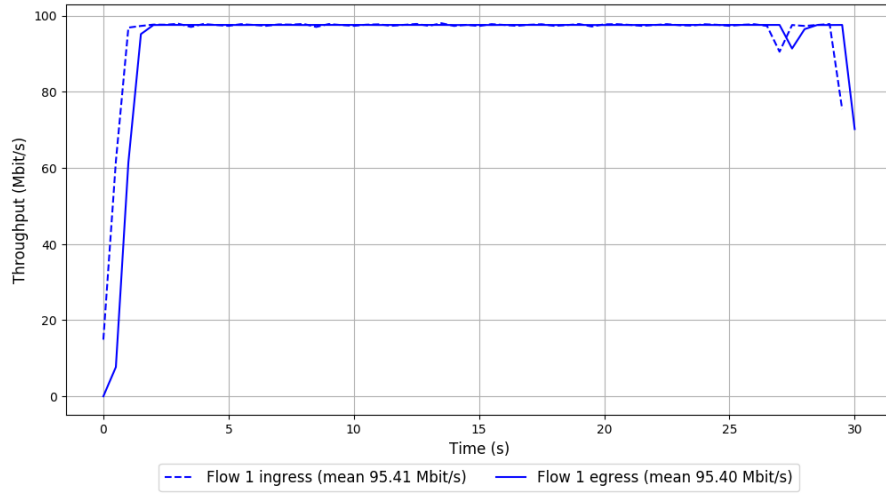
-- Flow 1:

Average throughput: 95.40 Mbit/s

95th percentile per-packet one-way delay: 47.912 ms

Loss rate: 0.25%

Run 4: Report of Indigo — Data Link

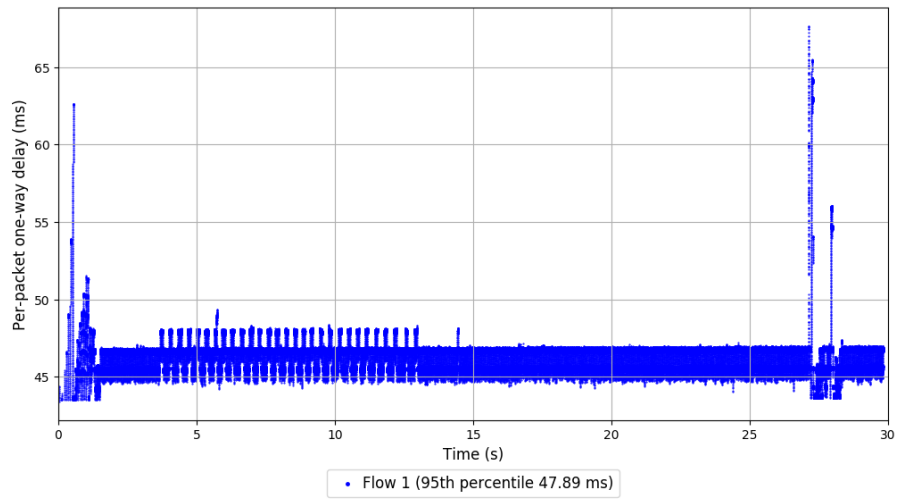
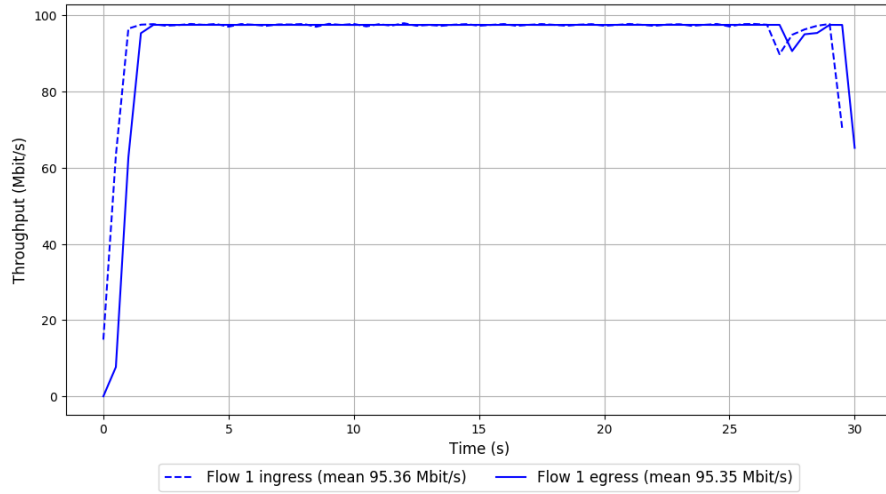


Run 5: Statistics of Indigo

Start at: 2019-05-30 07:37:22
End at: 2019-05-30 07:37:52
Local clock offset: -0.134 ms
Remote clock offset: -2.618 ms

Below is generated by plot.py at 2019-05-30 07:48:59
Datalink statistics
-- Total of 1 flow:
Average throughput: 95.35 Mbit/s
95th percentile per-packet one-way delay: 47.890 ms
Loss rate: 0.25%
-- Flow 1:
Average throughput: 95.35 Mbit/s
95th percentile per-packet one-way delay: 47.890 ms
Loss rate: 0.25%

Run 5: Report of Indigo — Data Link



Run 1: Statistics of Indigo-MusesC3

Start at: 2019-05-30 05:47:50

End at: 2019-05-30 05:48:20

Local clock offset: 0.543 ms

Remote clock offset: -2.8 ms

Below is generated by plot.py at 2019-05-30 07:49:15

Datalink statistics

-- Total of 1 flow:

Average throughput: 96.56 Mbit/s

95th percentile per-packet one-way delay: 42.304 ms

Loss rate: 0.24%

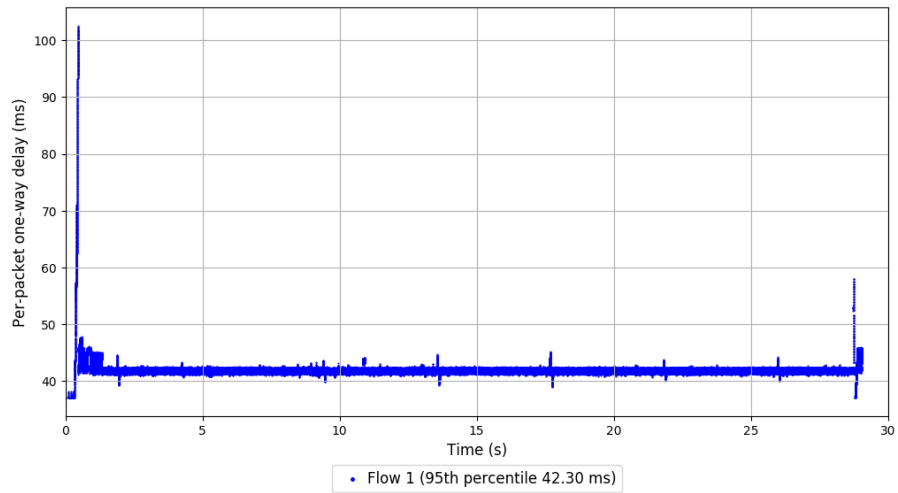
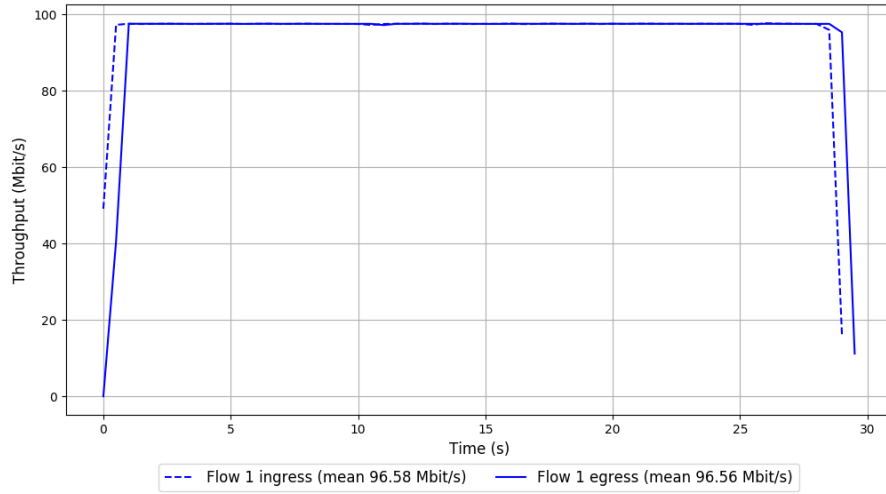
-- Flow 1:

Average throughput: 96.56 Mbit/s

95th percentile per-packet one-way delay: 42.304 ms

Loss rate: 0.24%

Run 1: Report of Indigo-MusesC3 — Data Link

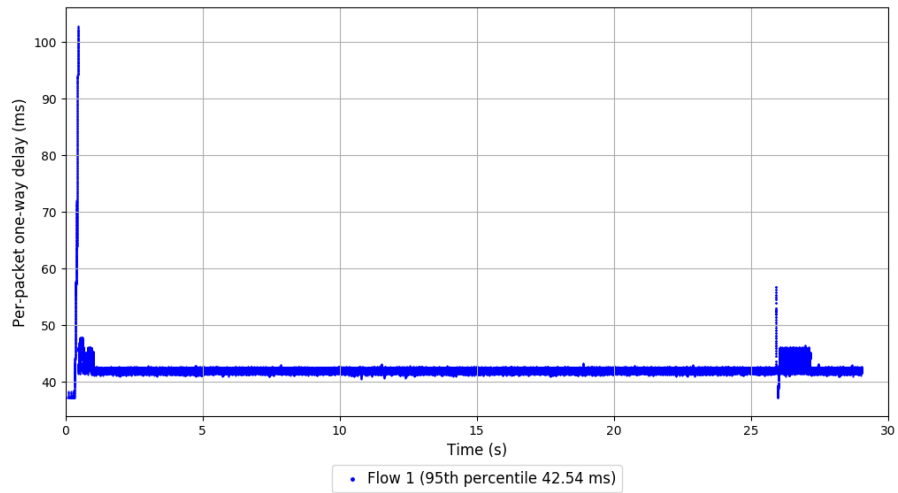
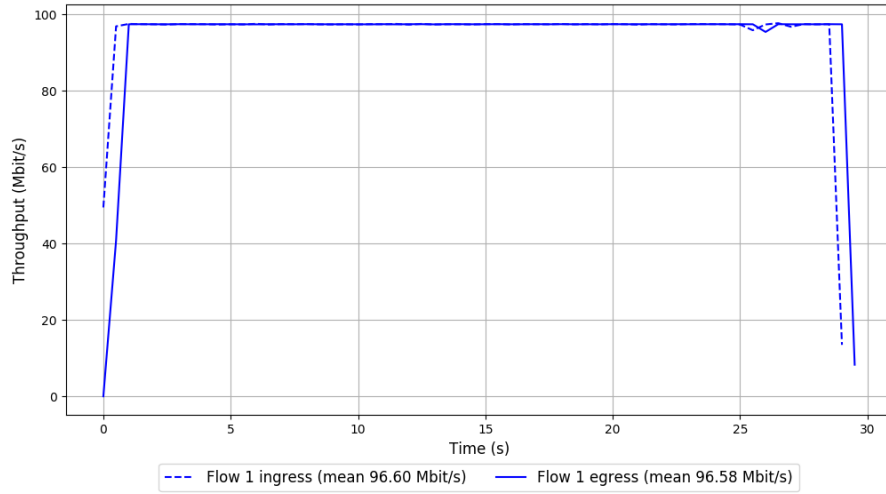


Run 2: Statistics of Indigo-MusesC3

Start at: 2019-05-30 06:13:43
End at: 2019-05-30 06:14:13
Local clock offset: 0.398 ms
Remote clock offset: -2.047 ms

Below is generated by plot.py at 2019-05-30 07:49:24
Datalink statistics
-- Total of 1 flow:
Average throughput: 96.58 Mbit/s
95th percentile per-packet one-way delay: 42.536 ms
Loss rate: 0.24%
-- Flow 1:
Average throughput: 96.58 Mbit/s
95th percentile per-packet one-way delay: 42.536 ms
Loss rate: 0.24%

Run 2: Report of Indigo-MusesC3 — Data Link

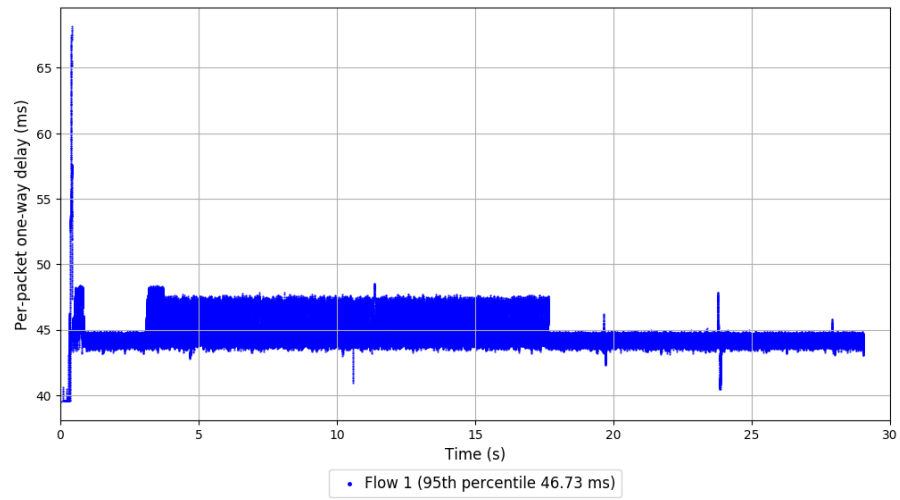
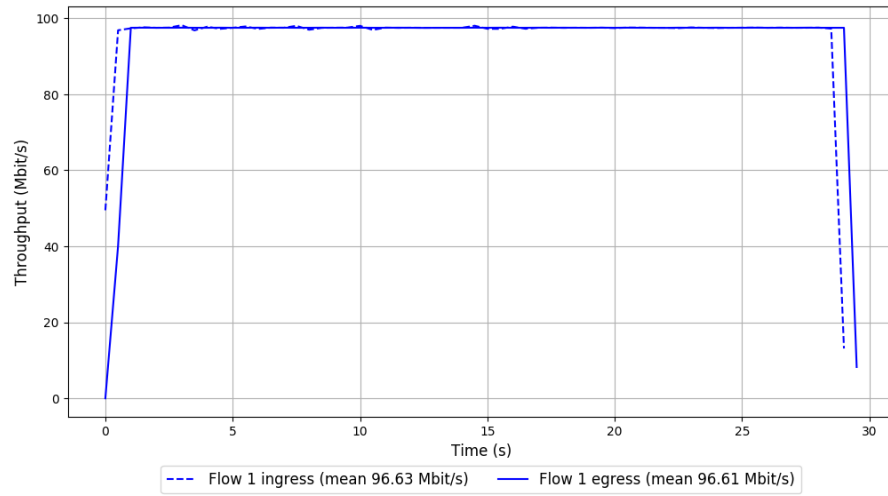


Run 3: Statistics of Indigo-MusesC3

Start at: 2019-05-30 06:38:36
End at: 2019-05-30 06:39:06
Local clock offset: 0.349 ms
Remote clock offset: -3.464 ms

Below is generated by plot.py at 2019-05-30 07:49:25
Datalink statistics
-- Total of 1 flow:
Average throughput: 96.61 Mbit/s
95th percentile per-packet one-way delay: 46.735 ms
Loss rate: 0.24%
-- Flow 1:
Average throughput: 96.61 Mbit/s
95th percentile per-packet one-way delay: 46.735 ms
Loss rate: 0.24%

Run 3: Report of Indigo-MusesC3 — Data Link



Run 4: Statistics of Indigo-MusesC3

Start at: 2019-05-30 07:03:25

End at: 2019-05-30 07:03:55

Local clock offset: 1.551 ms

Remote clock offset: -2.904 ms

Below is generated by plot.py at 2019-05-30 07:49:25

Datalink statistics

-- Total of 1 flow:

Average throughput: 83.32 Mbit/s

95th percentile per-packet one-way delay: 44.577 ms

Loss rate: 0.28%

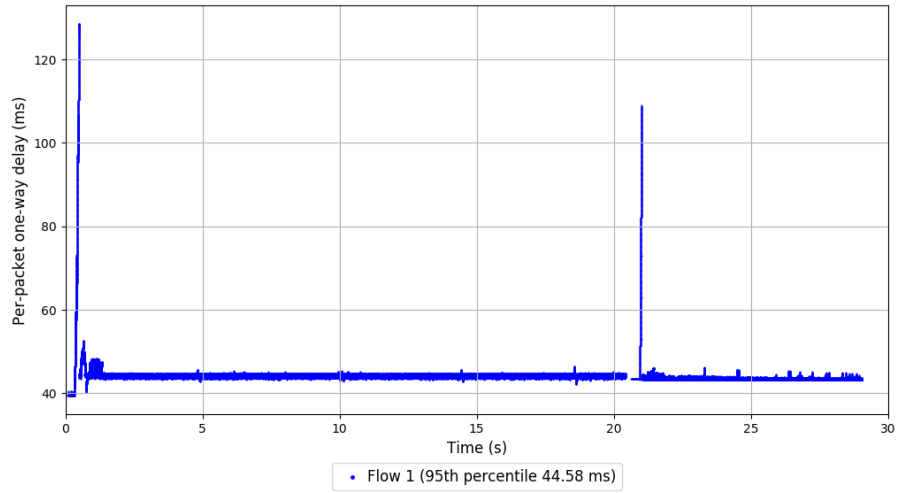
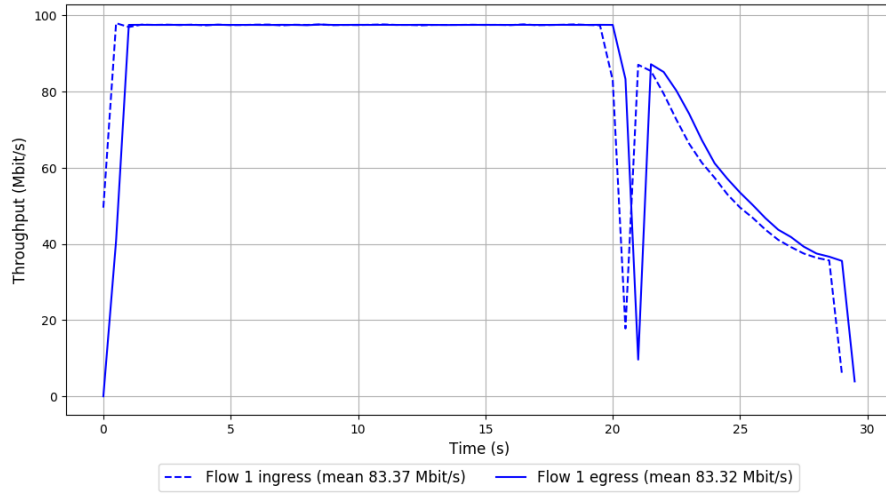
-- Flow 1:

Average throughput: 83.32 Mbit/s

95th percentile per-packet one-way delay: 44.577 ms

Loss rate: 0.28%

Run 4: Report of Indigo-MusesC3 — Data Link



Run 5: Statistics of Indigo-MusesC3

Start at: 2019-05-30 07:28:03

End at: 2019-05-30 07:28:33

Local clock offset: 0.05 ms

Remote clock offset: -2.706 ms

Below is generated by plot.py at 2019-05-30 07:49:39

Datalink statistics

-- Total of 1 flow:

Average throughput: 96.50 Mbit/s

95th percentile per-packet one-way delay: 51.559 ms

Loss rate: 0.26%

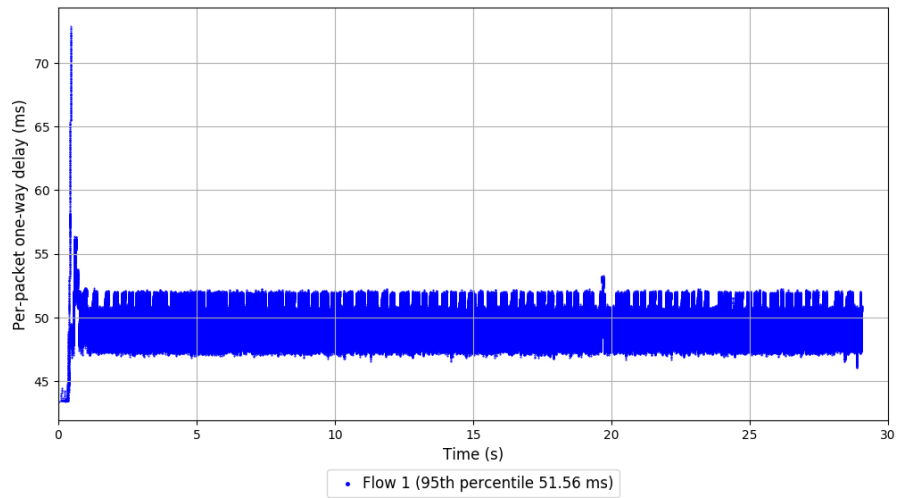
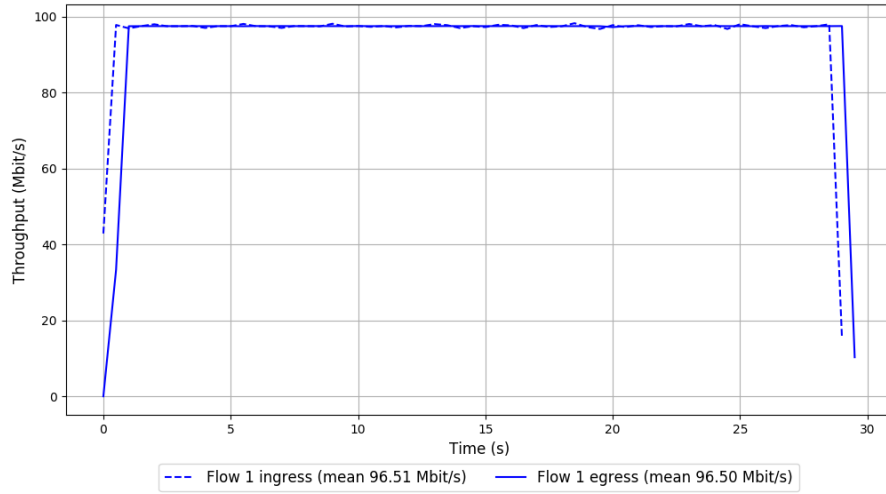
-- Flow 1:

Average throughput: 96.50 Mbit/s

95th percentile per-packet one-way delay: 51.559 ms

Loss rate: 0.26%

Run 5: Report of Indigo-MusesC3 — Data Link



Run 1: Statistics of Indigo-MusesC5

Start at: 2019-05-30 05:50:08
End at: 2019-05-30 05:50:38
Local clock offset: 0.553 ms
Remote clock offset: -2.916 ms

Below is generated by plot.py at 2019-05-30 07:49:55

Datalink statistics

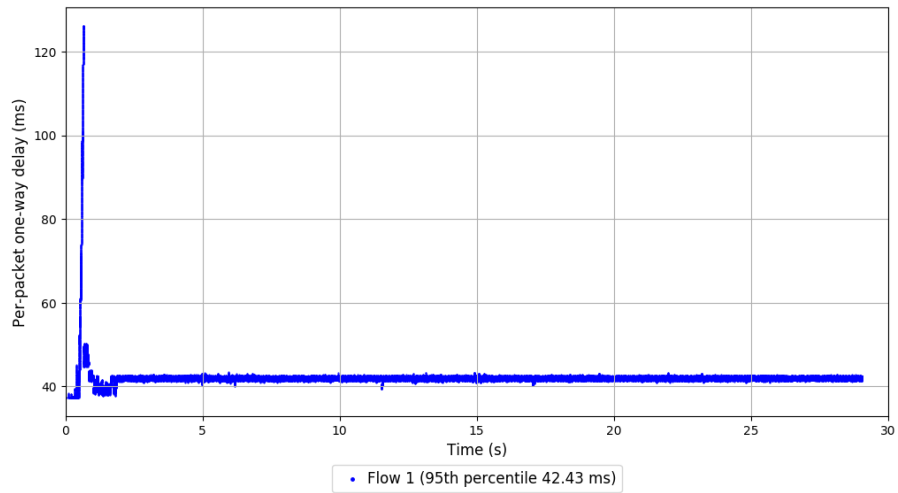
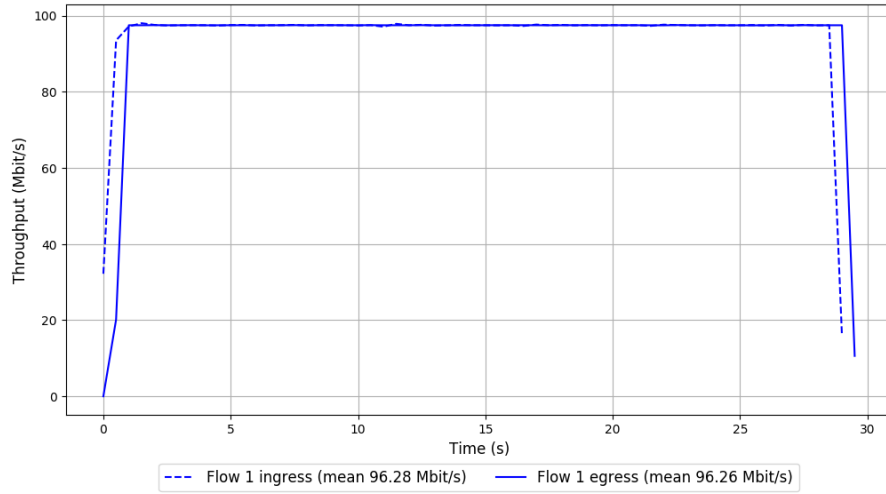
-- Total of 1 flow:

Average throughput: 96.26 Mbit/s
95th percentile per-packet one-way delay: 42.426 ms
Loss rate: 0.24%

-- Flow 1:

Average throughput: 96.26 Mbit/s
95th percentile per-packet one-way delay: 42.426 ms
Loss rate: 0.24%

Run 1: Report of Indigo-MusesC5 — Data Link

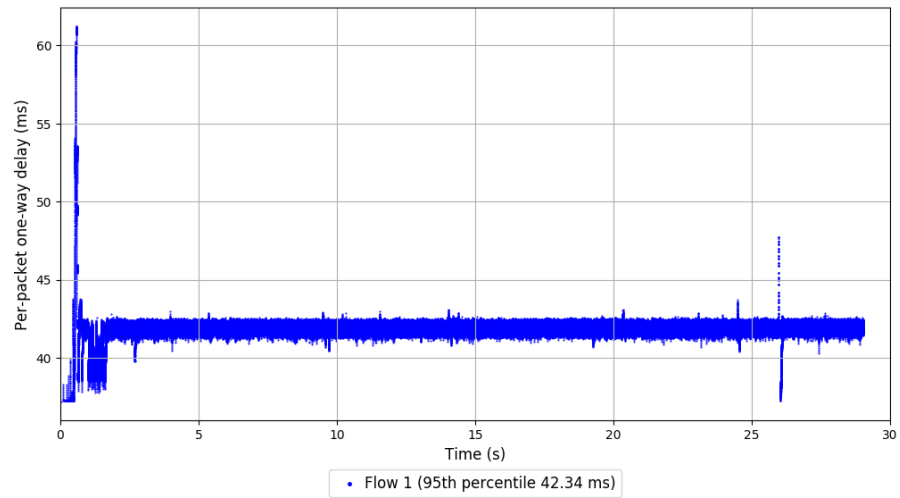
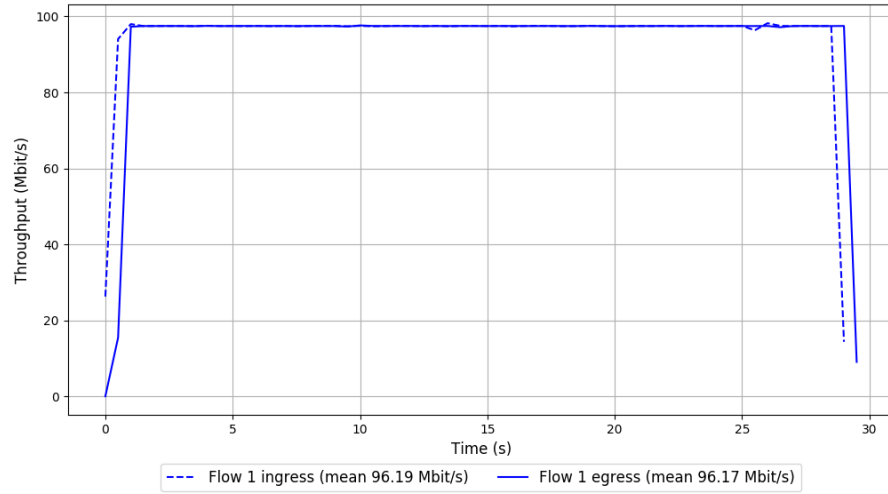


Run 2: Statistics of Indigo-MusesC5

Start at: 2019-05-30 06:16:01
End at: 2019-05-30 06:16:31
Local clock offset: 0.334 ms
Remote clock offset: -1.967 ms

Below is generated by plot.py at 2019-05-30 07:50:11
Datalink statistics
-- Total of 1 flow:
Average throughput: 96.17 Mbit/s
95th percentile per-packet one-way delay: 42.339 ms
Loss rate: 0.24%
-- Flow 1:
Average throughput: 96.17 Mbit/s
95th percentile per-packet one-way delay: 42.339 ms
Loss rate: 0.24%

Run 2: Report of Indigo-MusesC5 — Data Link



Run 3: Statistics of Indigo-MusesC5

Start at: 2019-05-30 06:40:53

End at: 2019-05-30 06:41:23

Local clock offset: 0.539 ms

Remote clock offset: -3.485 ms

Below is generated by plot.py at 2019-05-30 07:50:11

Datalink statistics

-- Total of 1 flow:

Average throughput: 96.17 Mbit/s

95th percentile per-packet one-way delay: 44.805 ms

Loss rate: 0.24%

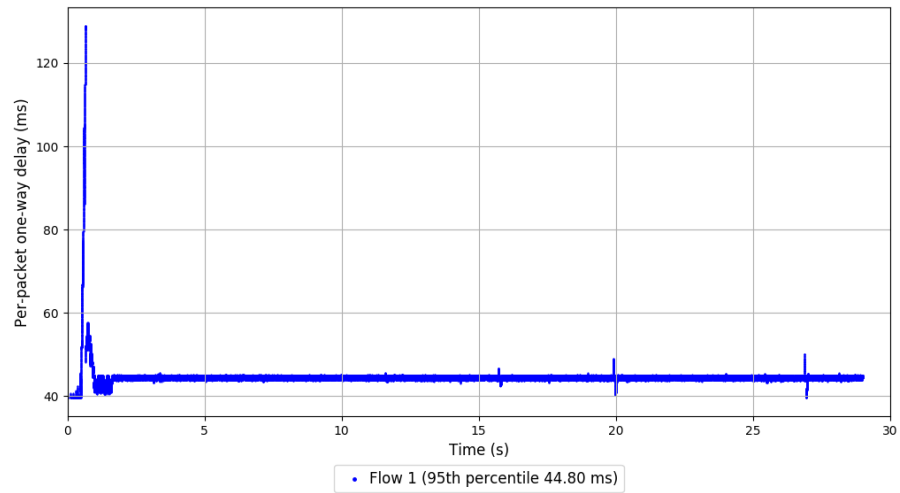
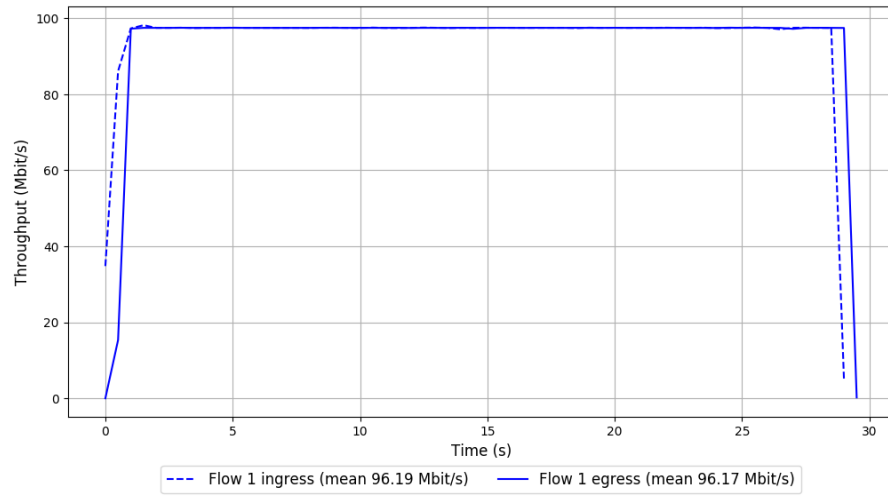
-- Flow 1:

Average throughput: 96.17 Mbit/s

95th percentile per-packet one-way delay: 44.805 ms

Loss rate: 0.24%

Run 3: Report of Indigo-MusesC5 — Data Link



Run 4: Statistics of Indigo-MusesC5

Start at: 2019-05-30 07:05:41

End at: 2019-05-30 07:06:11

Local clock offset: 1.644 ms

Remote clock offset: -2.911 ms

Below is generated by plot.py at 2019-05-30 07:50:24

Datalink statistics

-- Total of 1 flow:

Average throughput: 94.57 Mbit/s

95th percentile per-packet one-way delay: 46.826 ms

Loss rate: 0.26%

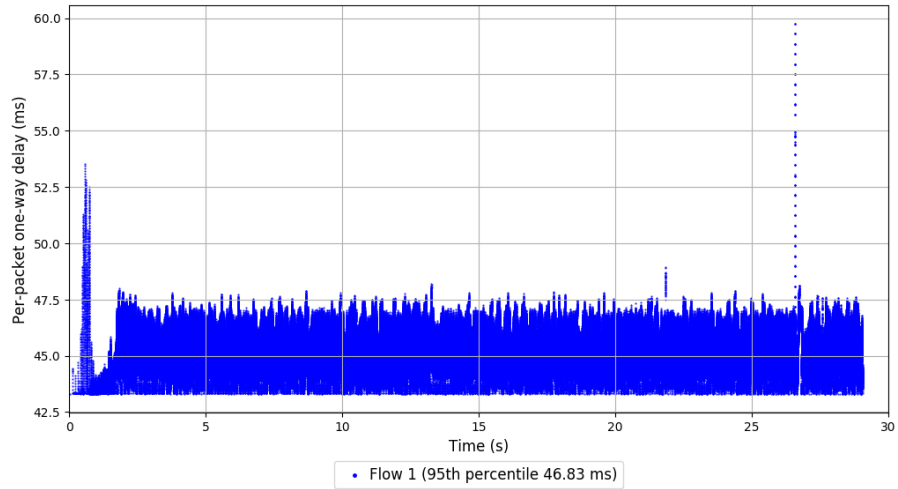
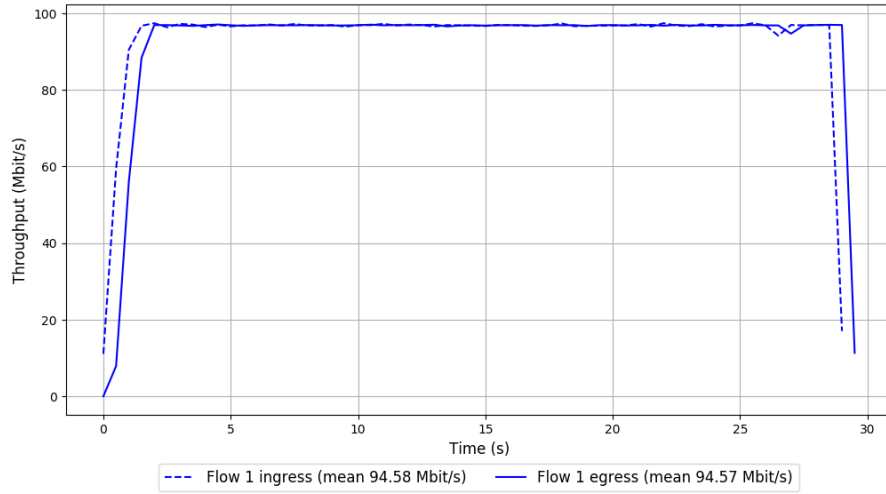
-- Flow 1:

Average throughput: 94.57 Mbit/s

95th percentile per-packet one-way delay: 46.826 ms

Loss rate: 0.26%

Run 4: Report of Indigo-MusesC5 — Data Link

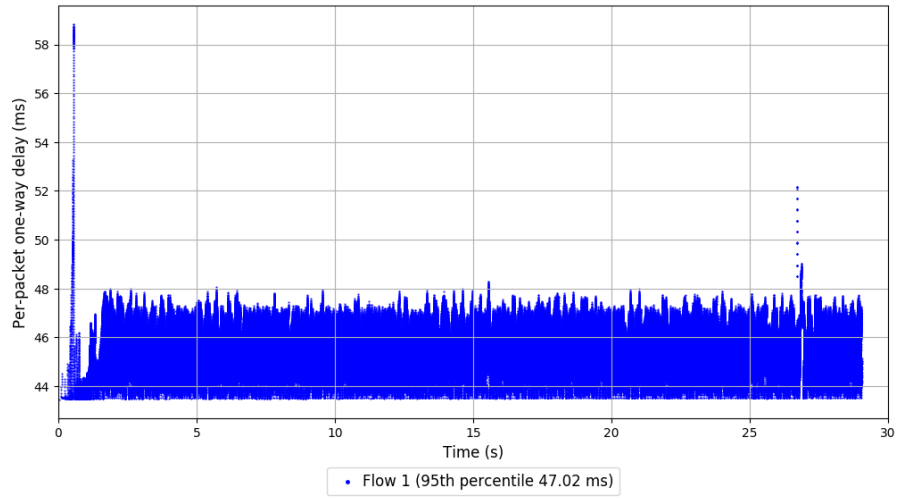
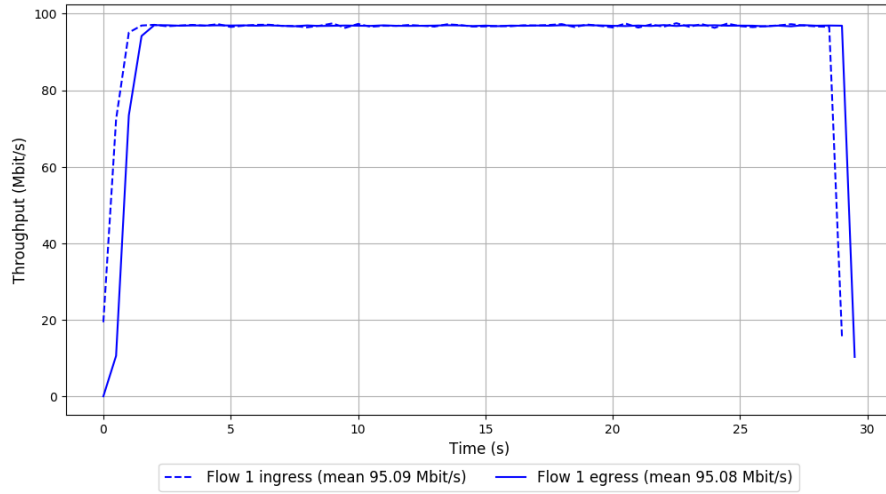


Run 5: Statistics of Indigo-MusesC5

Start at: 2019-05-30 07:30:20
End at: 2019-05-30 07:30:50
Local clock offset: 0.052 ms
Remote clock offset: -2.675 ms

Below is generated by plot.py at 2019-05-30 07:50:29
Datalink statistics
-- Total of 1 flow:
Average throughput: 95.08 Mbit/s
95th percentile per-packet one-way delay: 47.015 ms
Loss rate: 0.25%
-- Flow 1:
Average throughput: 95.08 Mbit/s
95th percentile per-packet one-way delay: 47.015 ms
Loss rate: 0.25%

Run 5: Report of Indigo-MusesC5 — Data Link



Run 1: Statistics of Indigo-MusesD

Start at: 2019-05-30 06:01:24

End at: 2019-05-30 06:01:54

Local clock offset: 0.618 ms

Remote clock offset: -2.32 ms

Below is generated by plot.py at 2019-05-30 07:50:34

Datalink statistics

-- Total of 1 flow:

Average throughput: 96.36 Mbit/s

95th percentile per-packet one-way delay: 41.424 ms

Loss rate: 0.24%

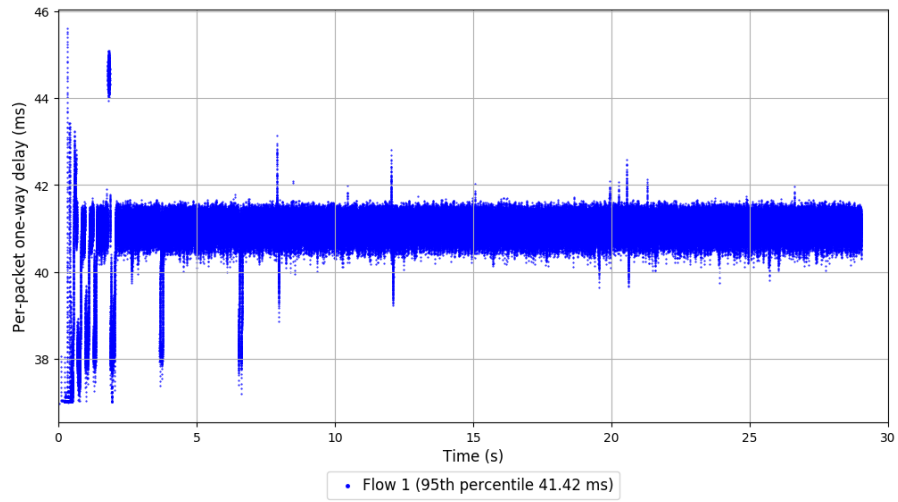
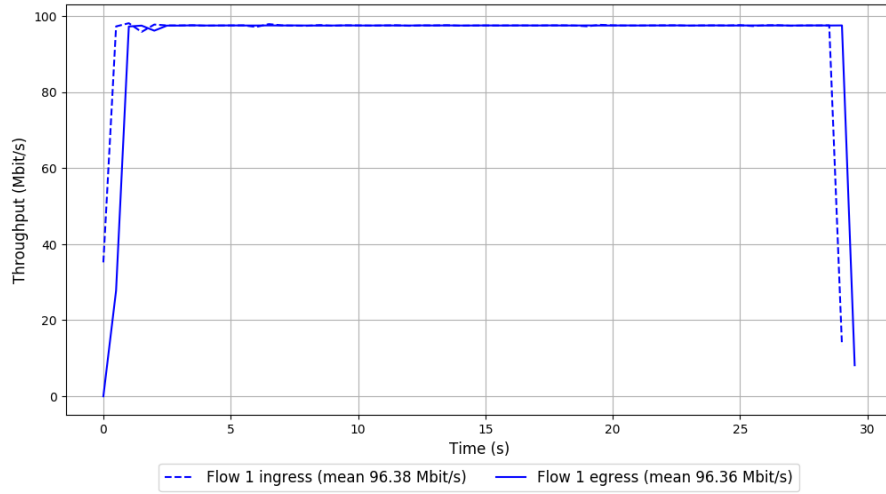
-- Flow 1:

Average throughput: 96.36 Mbit/s

95th percentile per-packet one-way delay: 41.424 ms

Loss rate: 0.24%

Run 1: Report of Indigo-MusesD — Data Link



Run 2: Statistics of Indigo-MusesD

Start at: 2019-05-30 06:26:36

End at: 2019-05-30 06:27:06

Local clock offset: 0.221 ms

Remote clock offset: -1.529 ms

Below is generated by plot.py at 2019-05-30 07:50:35

Datalink statistics

-- Total of 1 flow:

Average throughput: 96.15 Mbit/s

95th percentile per-packet one-way delay: 41.578 ms

Loss rate: 0.24%

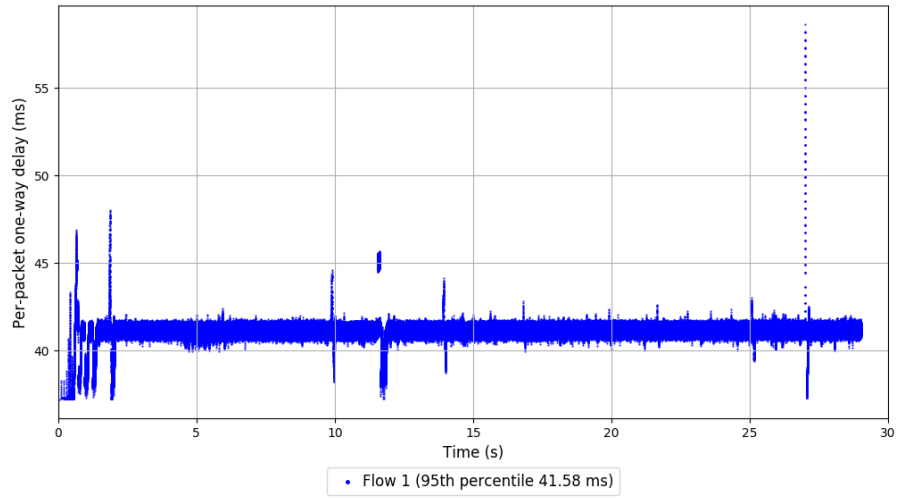
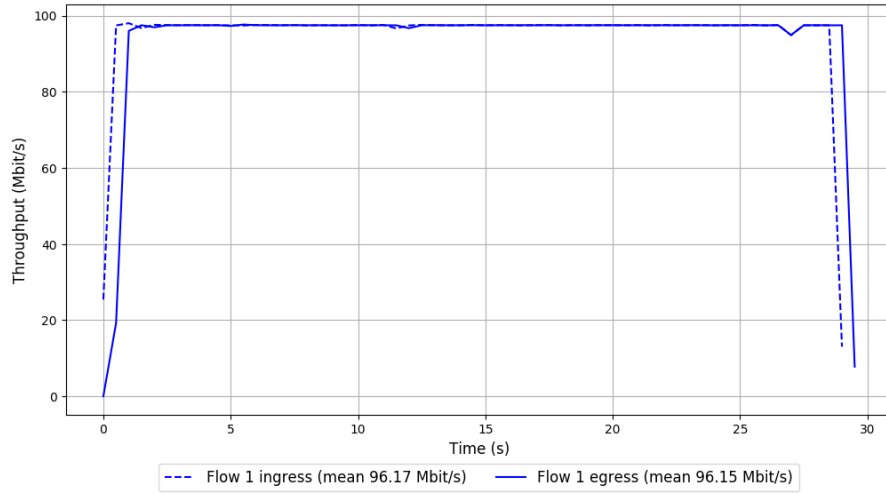
-- Flow 1:

Average throughput: 96.15 Mbit/s

95th percentile per-packet one-way delay: 41.578 ms

Loss rate: 0.24%

Run 2: Report of Indigo-MusesD — Data Link



Run 3: Statistics of Indigo-MusesD

Start at: 2019-05-30 06:51:30

End at: 2019-05-30 06:52:01

Local clock offset: 1.237 ms

Remote clock offset: -3.163 ms

Below is generated by plot.py at 2019-05-30 07:50:51

Datalink statistics

-- Total of 1 flow:

Average throughput: 96.37 Mbit/s

95th percentile per-packet one-way delay: 41.196 ms

Loss rate: 0.23%

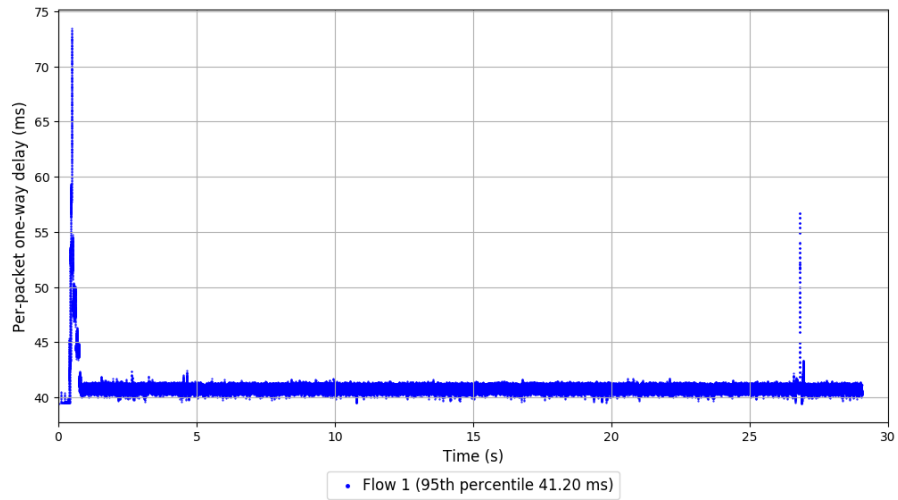
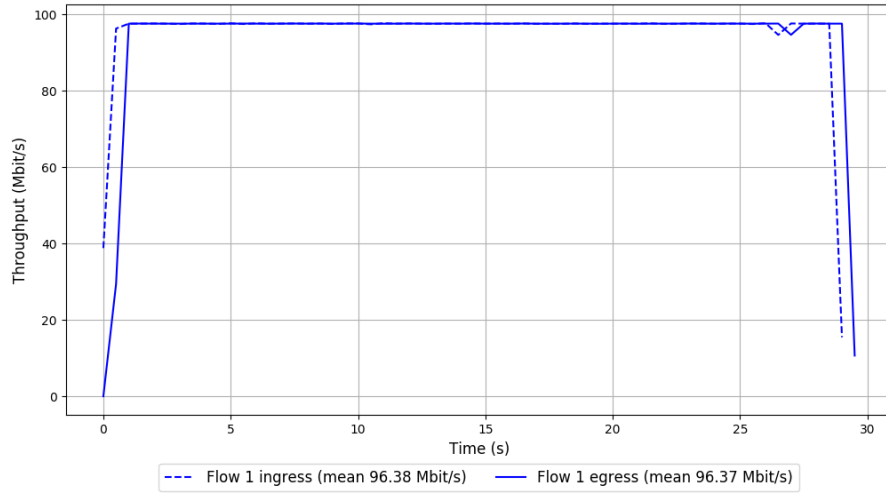
-- Flow 1:

Average throughput: 96.37 Mbit/s

95th percentile per-packet one-way delay: 41.196 ms

Loss rate: 0.23%

Run 3: Report of Indigo-MusesD — Data Link



Run 4: Statistics of Indigo-MusesD

Start at: 2019-05-30 07:16:20

End at: 2019-05-30 07:16:50

Local clock offset: 0.605 ms

Remote clock offset: -2.749 ms

Below is generated by plot.py at 2019-05-30 07:51:06

Datalink statistics

-- Total of 1 flow:

Average throughput: 95.80 Mbit/s

95th percentile per-packet one-way delay: 47.221 ms

Loss rate: 0.26%

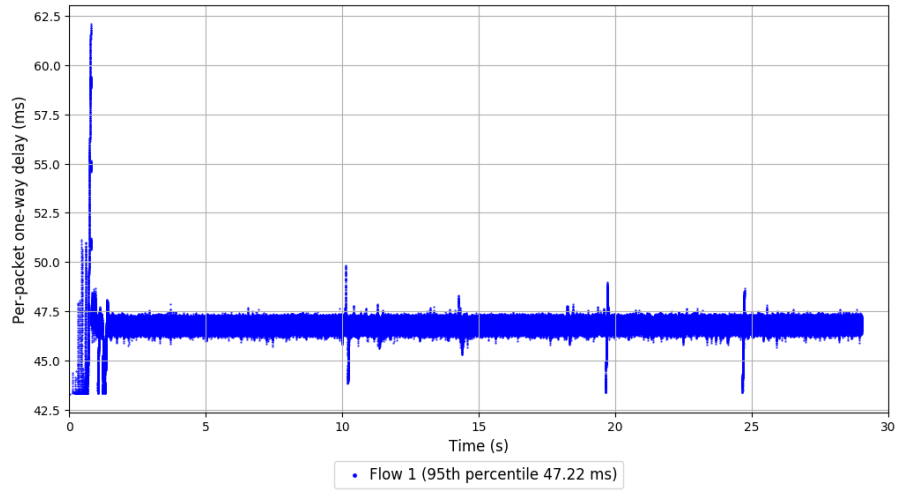
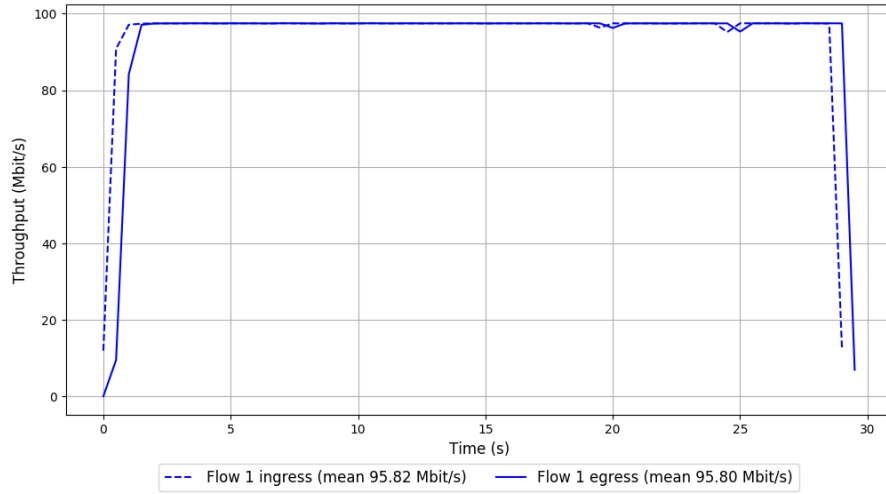
-- Flow 1:

Average throughput: 95.80 Mbit/s

95th percentile per-packet one-way delay: 47.221 ms

Loss rate: 0.26%

Run 4: Report of Indigo-MusesD — Data Link

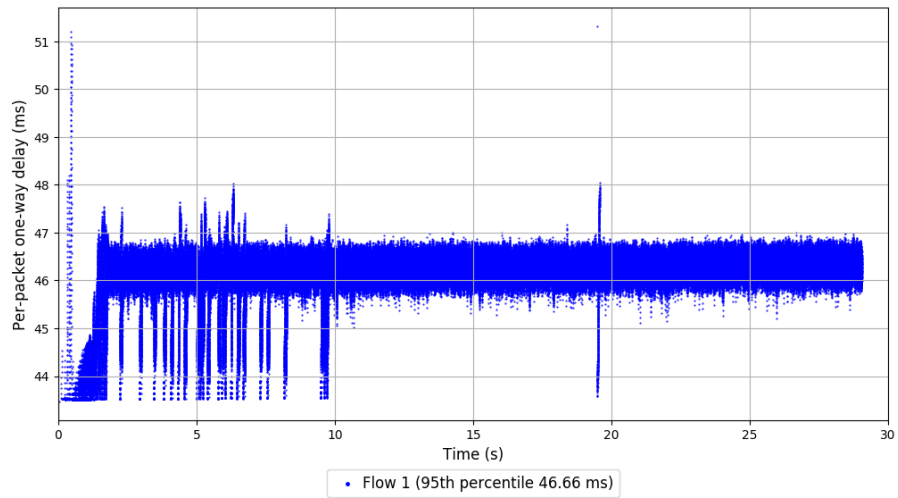
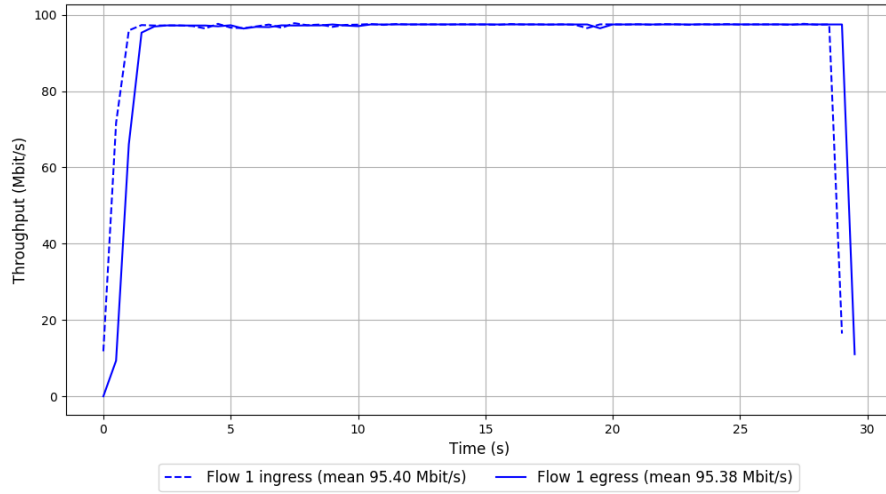


Run 5: Statistics of Indigo-MusesD

Start at: 2019-05-30 07:41:00
End at: 2019-05-30 07:41:30
Local clock offset: -1.051 ms
Remote clock offset: -2.621 ms

Below is generated by plot.py at 2019-05-30 07:51:20
Datalink statistics
-- Total of 1 flow:
Average throughput: 95.38 Mbit/s
95th percentile per-packet one-way delay: 46.660 ms
Loss rate: 0.26%
-- Flow 1:
Average throughput: 95.38 Mbit/s
95th percentile per-packet one-way delay: 46.660 ms
Loss rate: 0.26%

Run 5: Report of Indigo-MusesD — Data Link



Run 1: Statistics of Indigo-MuseST

Start at: 2019-05-30 05:38:05

End at: 2019-05-30 05:38:35

Local clock offset: 0.403 ms

Remote clock offset: -3.004 ms

Below is generated by plot.py at 2019-05-30 07:51:22

Datalink statistics

-- Total of 1 flow:

Average throughput: 96.43 Mbit/s

95th percentile per-packet one-way delay: 50.684 ms

Loss rate: 1.07%

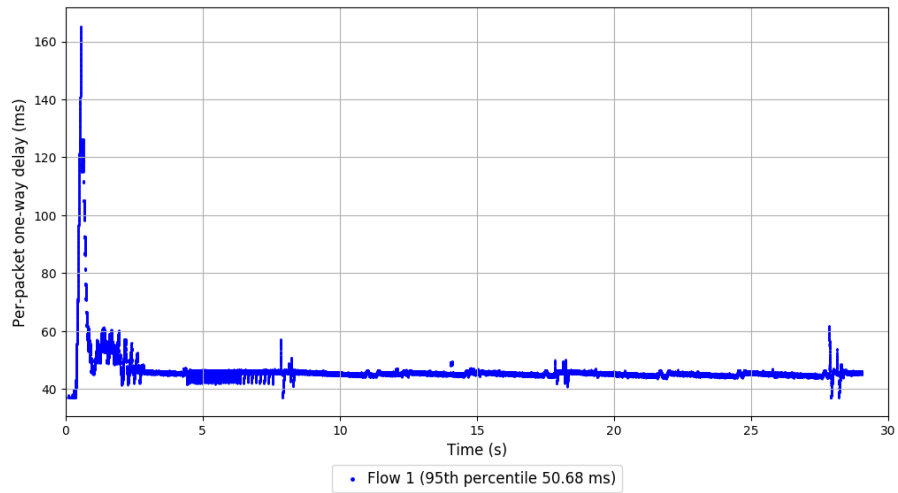
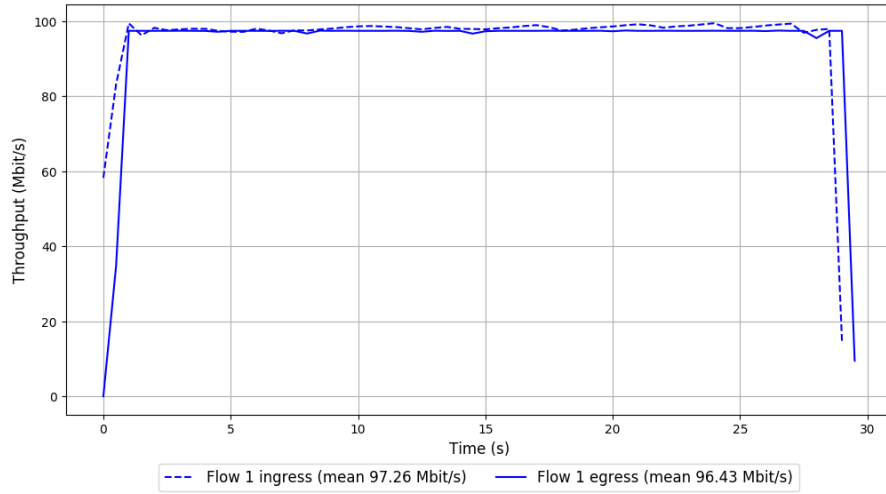
-- Flow 1:

Average throughput: 96.43 Mbit/s

95th percentile per-packet one-way delay: 50.684 ms

Loss rate: 1.07%

Run 1: Report of Indigo-MusesT — Data Link



Run 2: Statistics of Indigo-MusesT

Start at: 2019-05-30 06:03:59

End at: 2019-05-30 06:04:29

Local clock offset: 0.687 ms

Remote clock offset: -2.268 ms

Below is generated by plot.py at 2019-05-30 07:51:36

Datalink statistics

-- Total of 1 flow:

Average throughput: 96.54 Mbit/s

95th percentile per-packet one-way delay: 45.490 ms

Loss rate: 0.73%

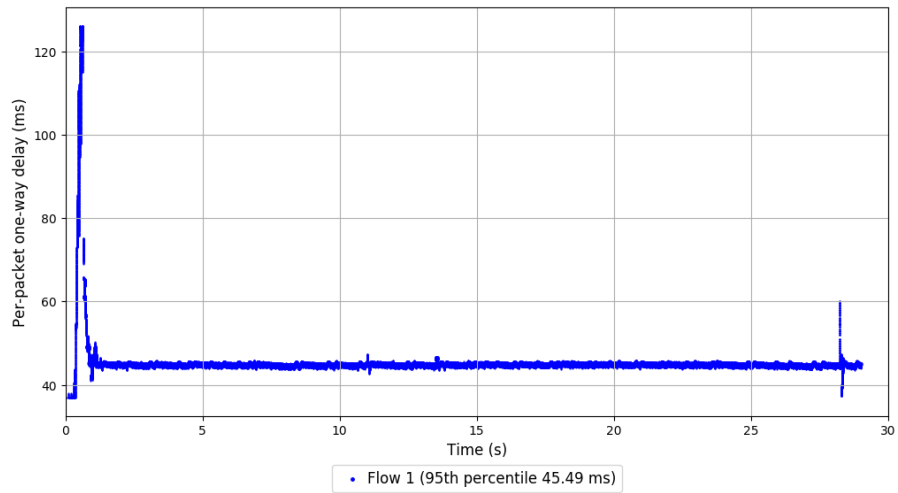
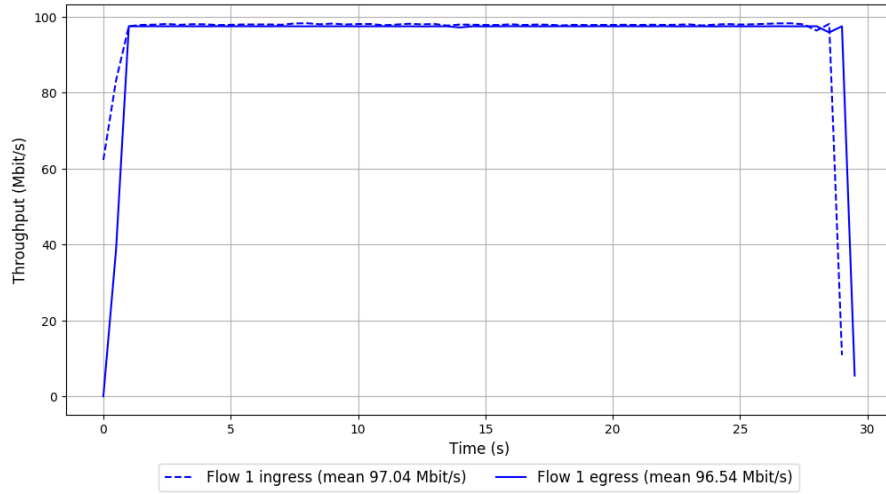
-- Flow 1:

Average throughput: 96.54 Mbit/s

95th percentile per-packet one-way delay: 45.490 ms

Loss rate: 0.73%

Run 2: Report of Indigo-MusesT — Data Link



Run 3: Statistics of Indigo-MusesT

Start at: 2019-05-30 06:28:57

End at: 2019-05-30 06:29:27

Local clock offset: 0.204 ms

Remote clock offset: -1.357 ms

Below is generated by plot.py at 2019-05-30 07:51:40

Datalink statistics

-- Total of 1 flow:

Average throughput: 96.53 Mbit/s

95th percentile per-packet one-way delay: 45.633 ms

Loss rate: 0.68%

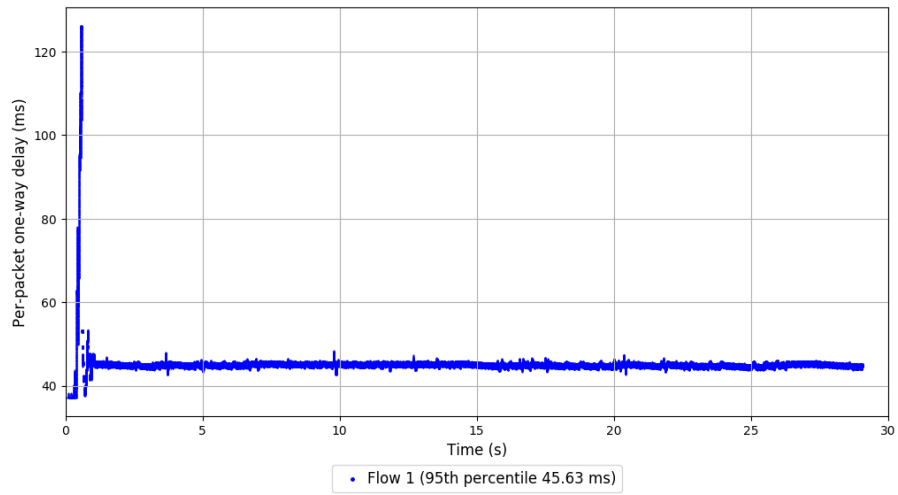
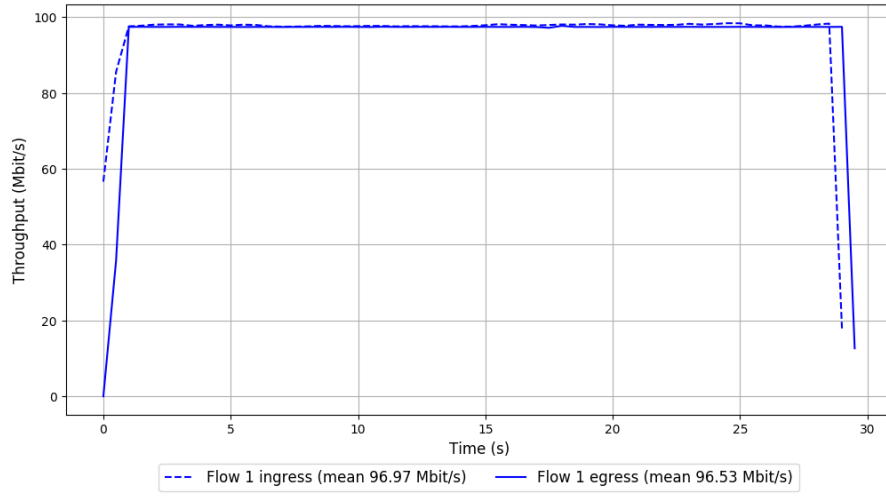
-- Flow 1:

Average throughput: 96.53 Mbit/s

95th percentile per-packet one-way delay: 45.633 ms

Loss rate: 0.68%

Run 3: Report of Indigo-MusesT — Data Link



Run 4: Statistics of Indigo-MuseST

Start at: 2019-05-30 06:53:52

End at: 2019-05-30 06:54:22

Local clock offset: 1.347 ms

Remote clock offset: -3.291 ms

Below is generated by plot.py at 2019-05-30 07:51:43

Datalink statistics

-- Total of 1 flow:

Average throughput: 96.55 Mbit/s

95th percentile per-packet one-way delay: 57.108 ms

Loss rate: 0.96%

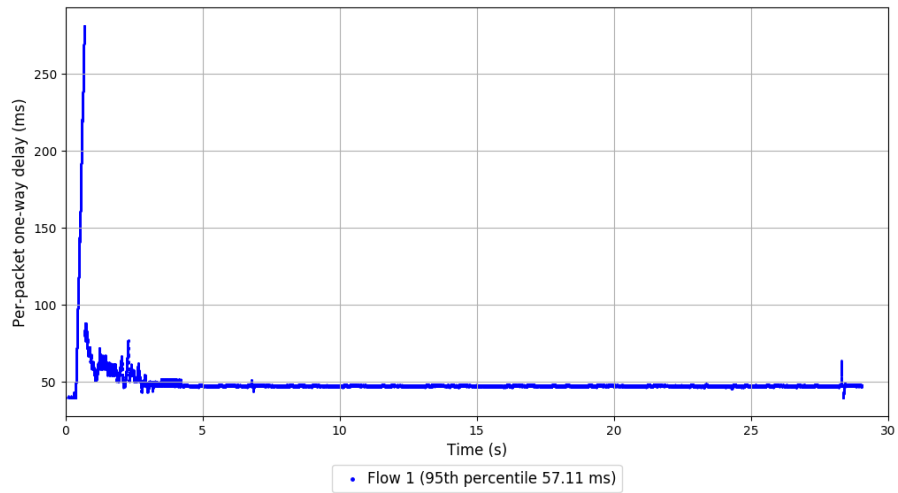
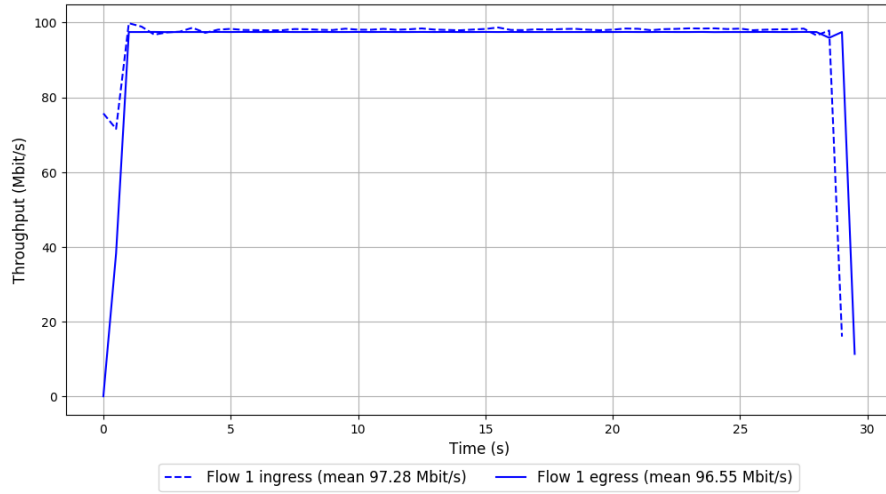
-- Flow 1:

Average throughput: 96.55 Mbit/s

95th percentile per-packet one-way delay: 57.108 ms

Loss rate: 0.96%

Run 4: Report of Indigo-MusesT — Data Link



Run 5: Statistics of Indigo-MuseST

Start at: 2019-05-30 07:18:41

End at: 2019-05-30 07:19:11

Local clock offset: 0.457 ms

Remote clock offset: -2.731 ms

Below is generated by plot.py at 2019-05-30 07:51:44

Datalink statistics

-- Total of 1 flow:

Average throughput: 96.40 Mbit/s

95th percentile per-packet one-way delay: 54.606 ms

Loss rate: 1.38%

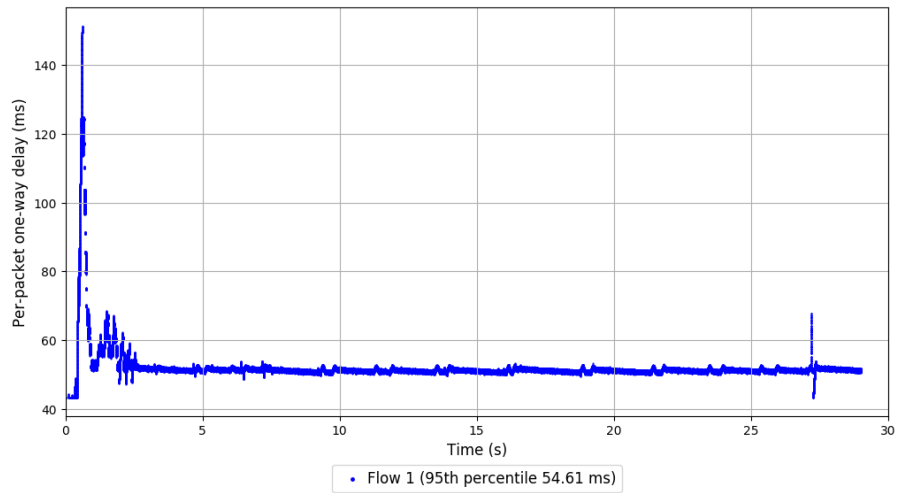
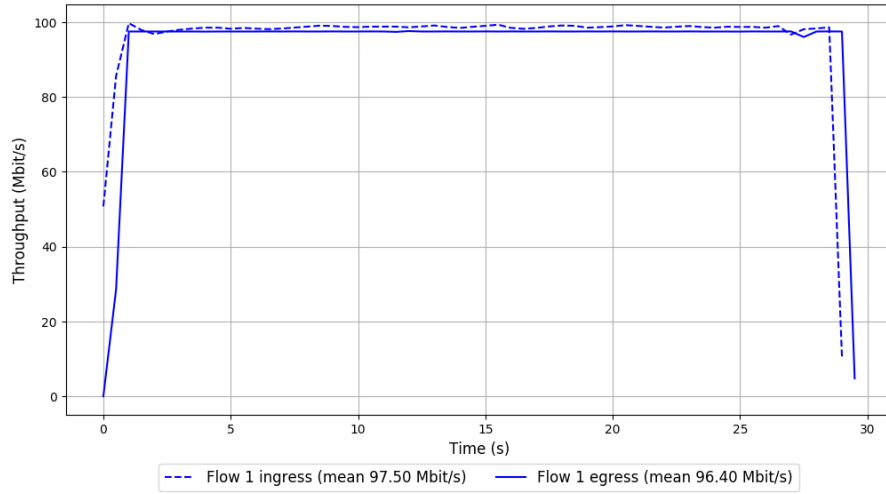
-- Flow 1:

Average throughput: 96.40 Mbit/s

95th percentile per-packet one-way delay: 54.606 ms

Loss rate: 1.38%

Run 5: Report of Indigo-MusesT — Data Link

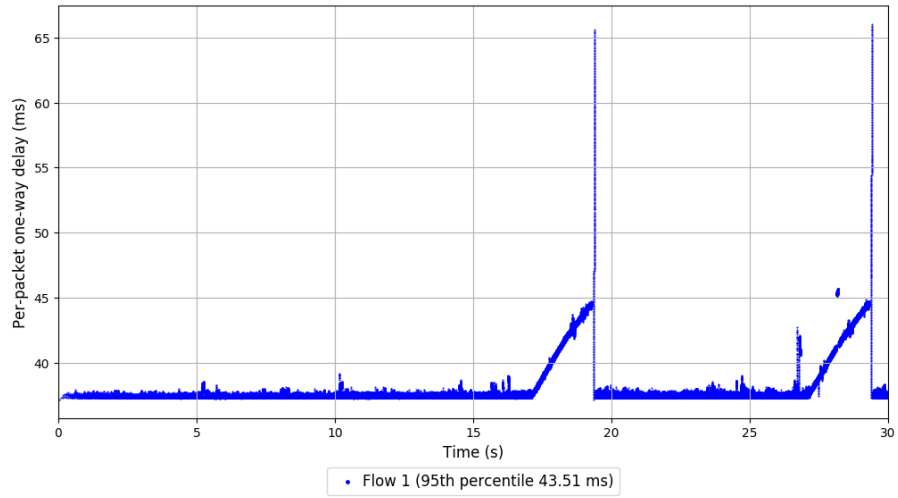
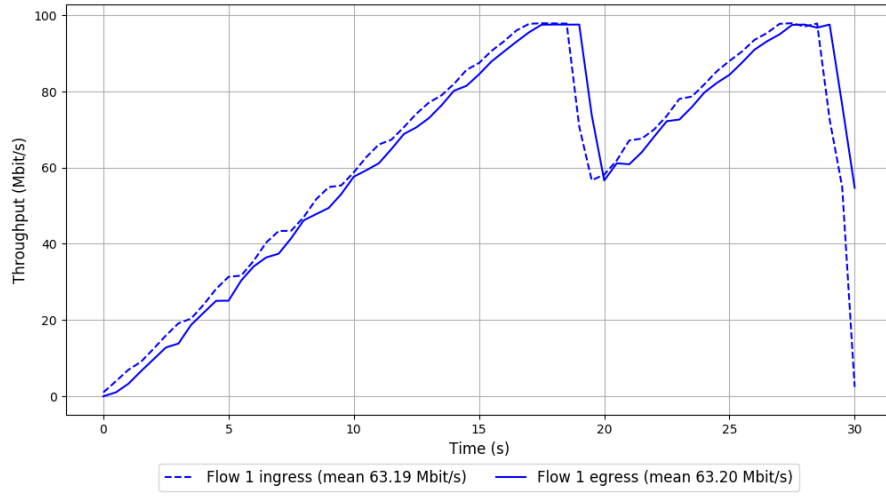


Run 1: Statistics of LEDBAT

Start at: 2019-05-30 05:53:47
End at: 2019-05-30 05:54:17
Local clock offset: 0.602 ms
Remote clock offset: -2.848 ms

Below is generated by plot.py at 2019-05-30 07:51:44
Datalink statistics
-- Total of 1 flow:
Average throughput: 63.20 Mbit/s
95th percentile per-packet one-way delay: 43.509 ms
Loss rate: 0.20%
-- Flow 1:
Average throughput: 63.20 Mbit/s
95th percentile per-packet one-way delay: 43.509 ms
Loss rate: 0.20%

Run 1: Report of LEDBAT — Data Link

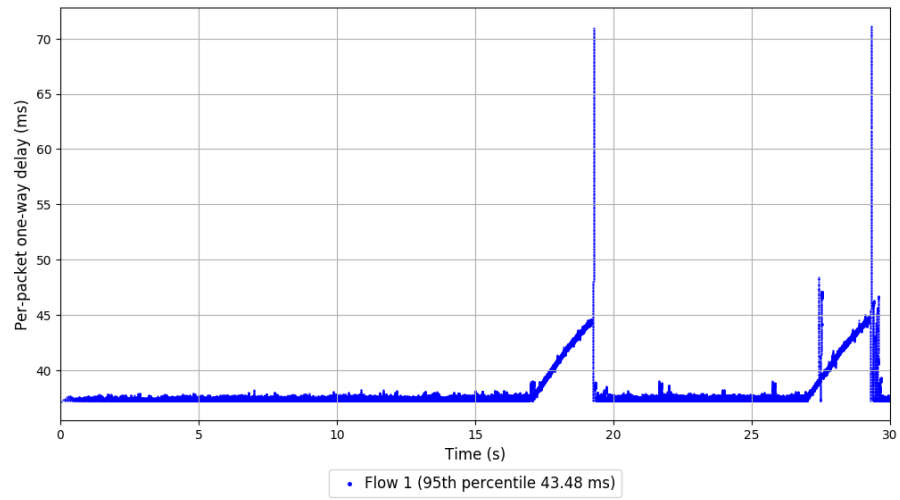
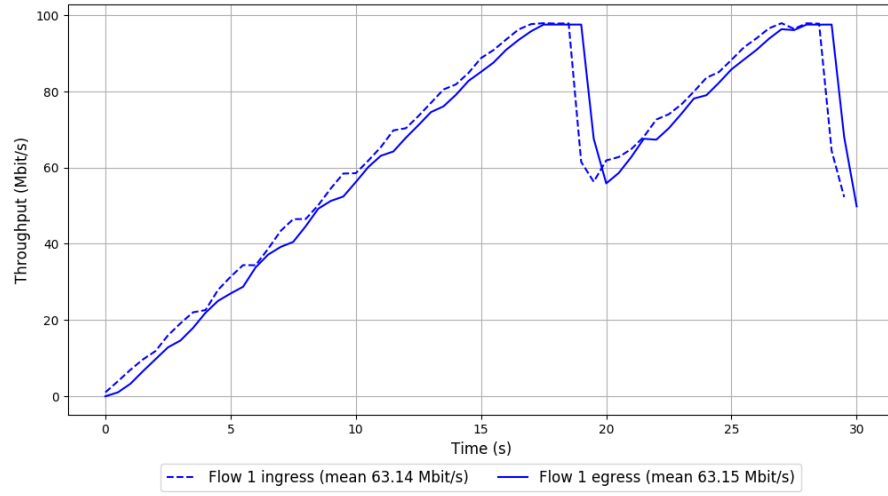


Run 2: Statistics of LEDBAT

Start at: 2019-05-30 06:19:32
End at: 2019-05-30 06:20:02
Local clock offset: 0.295 ms
Remote clock offset: -1.722 ms

Below is generated by plot.py at 2019-05-30 07:52:00
Datalink statistics
-- Total of 1 flow:
Average throughput: 63.15 Mbit/s
95th percentile per-packet one-way delay: 43.479 ms
Loss rate: 0.20%
-- Flow 1:
Average throughput: 63.15 Mbit/s
95th percentile per-packet one-way delay: 43.479 ms
Loss rate: 0.20%

Run 2: Report of LEDBAT — Data Link



Run 3: Statistics of LEDBAT

Start at: 2019-05-30 06:44:22

End at: 2019-05-30 06:44:52

Local clock offset: 0.85 ms

Remote clock offset: -3.331 ms

Below is generated by plot.py at 2019-05-30 07:52:09

Datalink statistics

-- Total of 1 flow:

Average throughput: 63.21 Mbit/s

95th percentile per-packet one-way delay: 45.854 ms

Loss rate: 0.20%

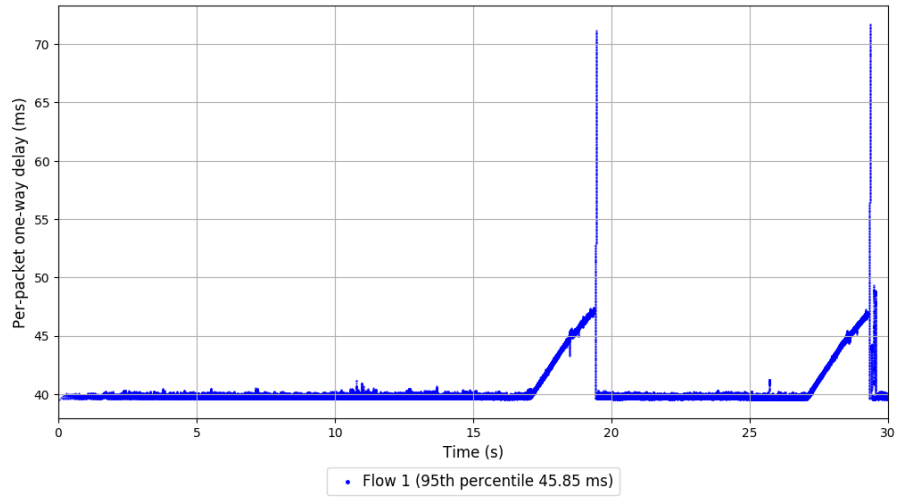
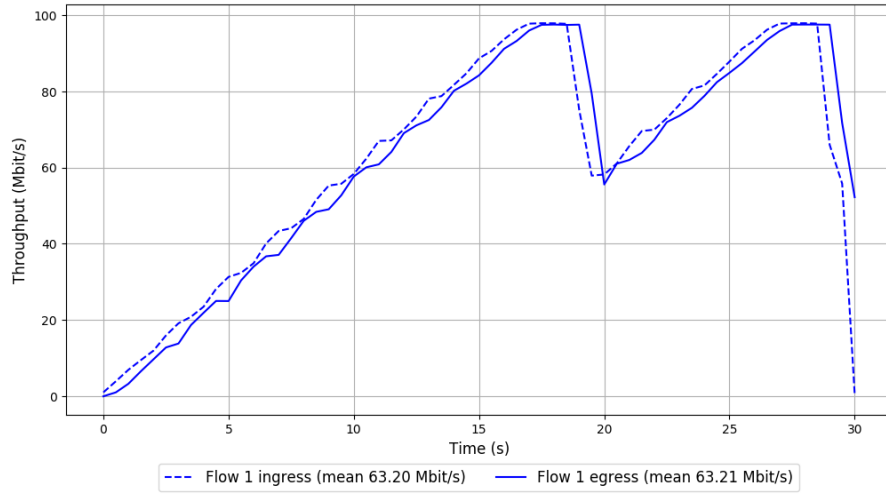
-- Flow 1:

Average throughput: 63.21 Mbit/s

95th percentile per-packet one-way delay: 45.854 ms

Loss rate: 0.20%

Run 3: Report of LEDBAT — Data Link



Run 4: Statistics of LEDBAT

Start at: 2019-05-30 07:09:12

End at: 2019-05-30 07:09:42

Local clock offset: 1.363 ms

Remote clock offset: 3.183 ms

Below is generated by plot.py at 2019-05-30 07:52:09

Datalink statistics

-- Total of 1 flow:

Average throughput: 56.76 Mbit/s

95th percentile per-packet one-way delay: 42.582 ms

Loss rate: 0.34%

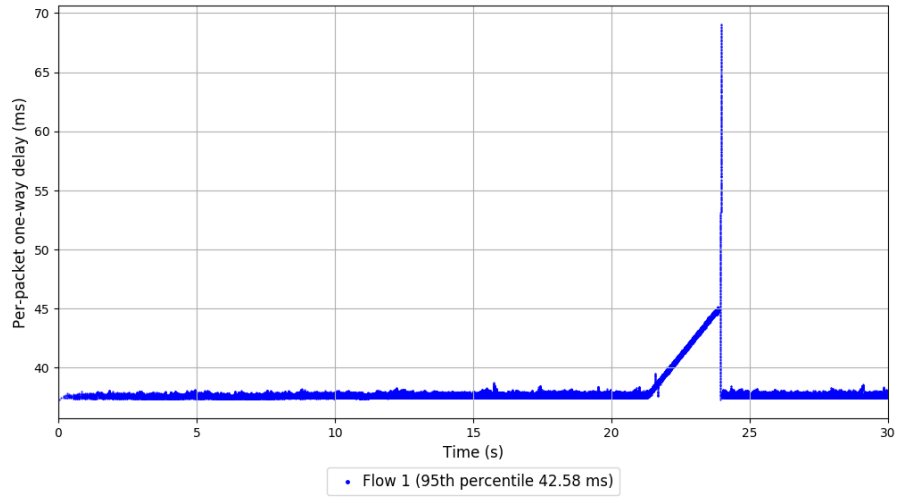
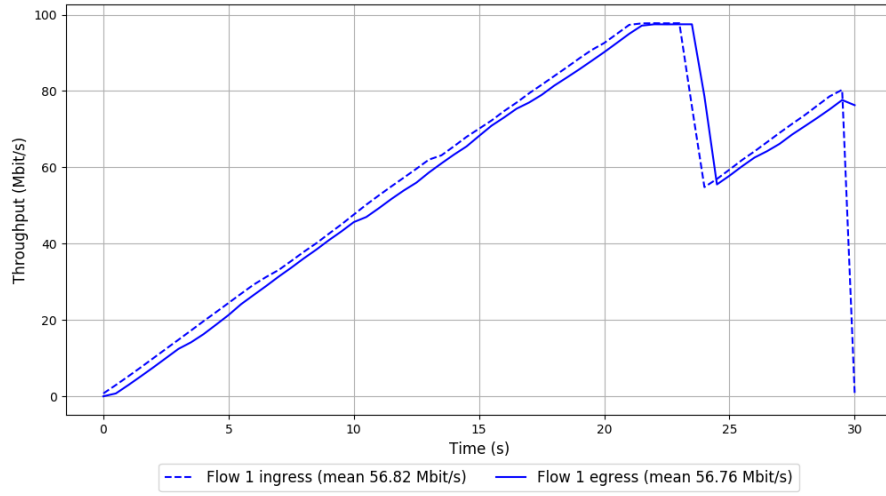
-- Flow 1:

Average throughput: 56.76 Mbit/s

95th percentile per-packet one-way delay: 42.582 ms

Loss rate: 0.34%

Run 4: Report of LEDBAT — Data Link

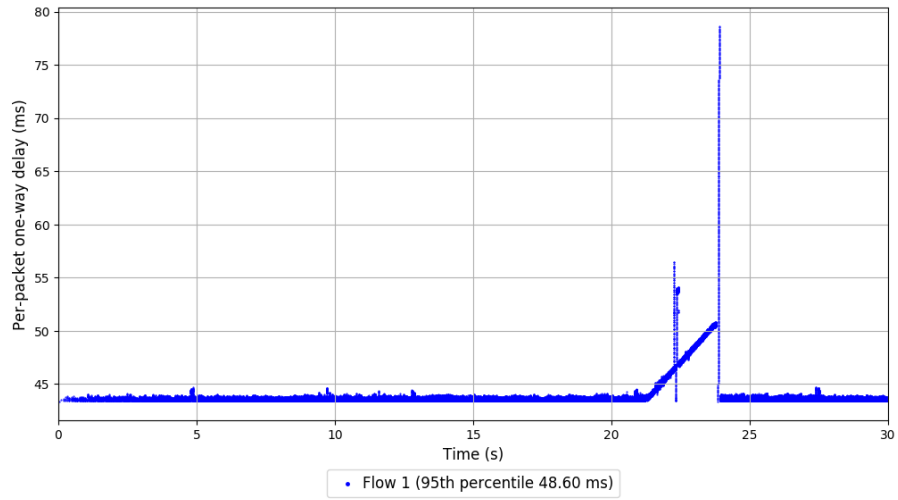
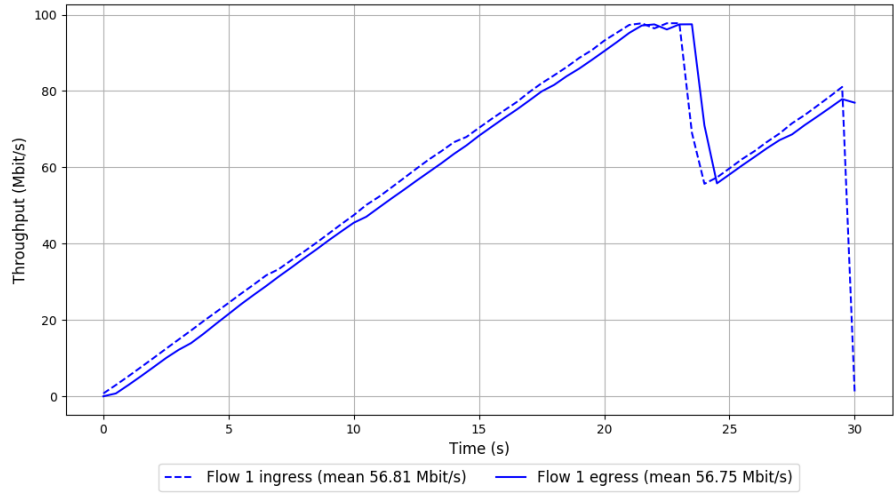


Run 5: Statistics of LEDBAT

Start at: 2019-05-30 07:33:51
End at: 2019-05-30 07:34:21
Local clock offset: -0.059 ms
Remote clock offset: -2.578 ms

Below is generated by plot.py at 2019-05-30 07:52:14
Datalink statistics
-- Total of 1 flow:
Average throughput: 56.75 Mbit/s
95th percentile per-packet one-way delay: 48.604 ms
Loss rate: 0.35%
-- Flow 1:
Average throughput: 56.75 Mbit/s
95th percentile per-packet one-way delay: 48.604 ms
Loss rate: 0.35%

Run 5: Report of LEDBAT — Data Link



Run 1: Statistics of PCC-Allegro

Start at: 2019-05-30 05:46:34

End at: 2019-05-30 05:47:04

Local clock offset: 0.501 ms

Remote clock offset: -2.835 ms

Below is generated by plot.py at 2019-05-30 07:52:46

Datalink statistics

-- Total of 1 flow:

Average throughput: 91.45 Mbit/s

95th percentile per-packet one-way delay: 42.481 ms

Loss rate: 0.24%

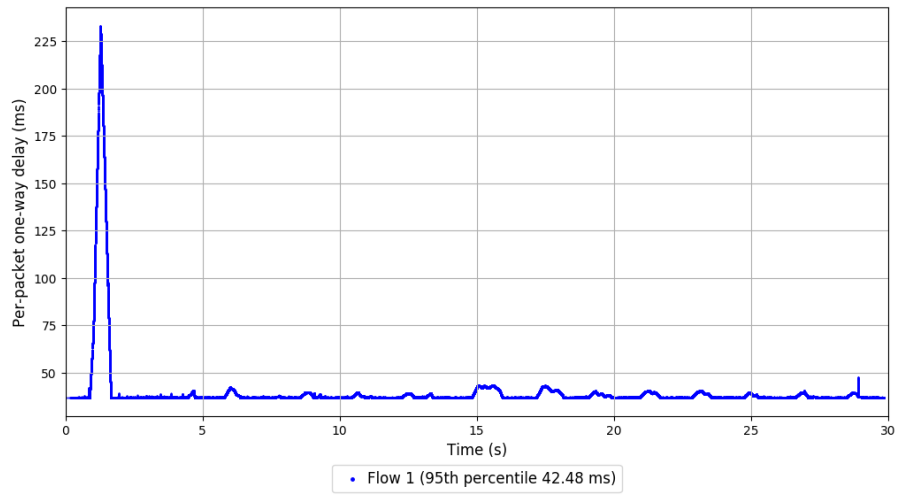
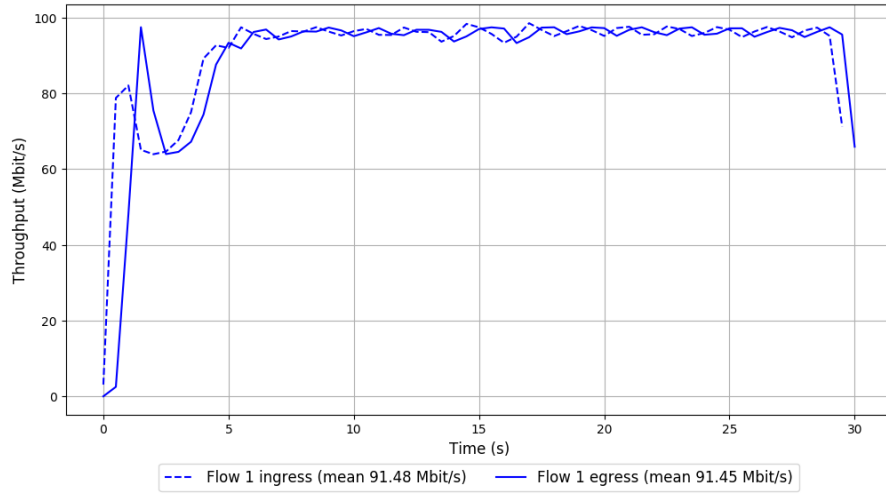
-- Flow 1:

Average throughput: 91.45 Mbit/s

95th percentile per-packet one-way delay: 42.481 ms

Loss rate: 0.24%

Run 1: Report of PCC-Allegro — Data Link



Run 2: Statistics of PCC-Allegro

Start at: 2019-05-30 06:12:32

End at: 2019-05-30 06:13:02

Local clock offset: 0.465 ms

Remote clock offset: -2.028 ms

Below is generated by plot.py at 2019-05-30 07:52:50

Datalink statistics

-- Total of 1 flow:

Average throughput: 91.92 Mbit/s

95th percentile per-packet one-way delay: 42.435 ms

Loss rate: 0.24%

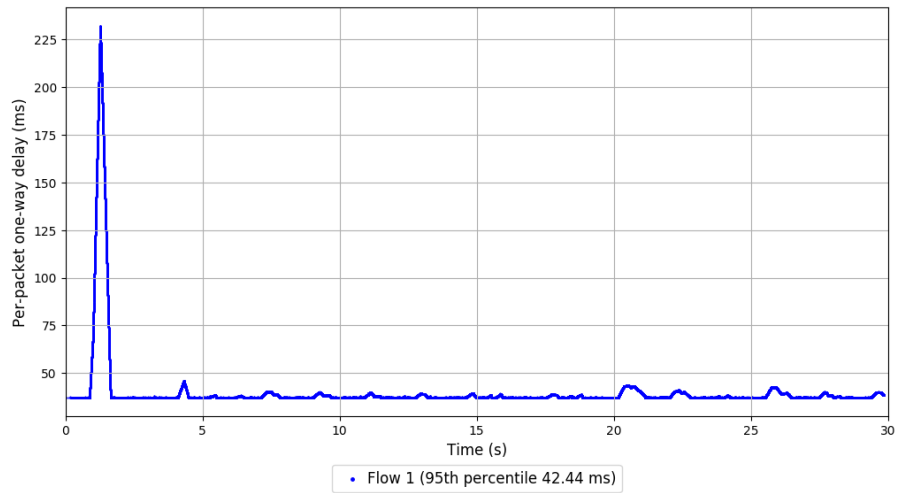
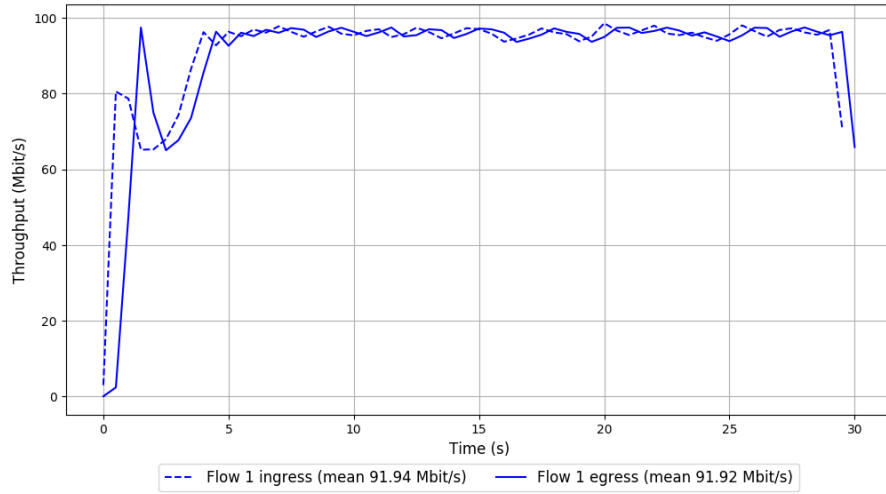
-- Flow 1:

Average throughput: 91.92 Mbit/s

95th percentile per-packet one-way delay: 42.435 ms

Loss rate: 0.24%

Run 2: Report of PCC-Allegro — Data Link



Run 3: Statistics of PCC-Allegro

Start at: 2019-05-30 06:37:27

End at: 2019-05-30 06:37:57

Local clock offset: 0.174 ms

Remote clock offset: -3.666 ms

Below is generated by plot.py at 2019-05-30 07:52:52

Datalink statistics

-- Total of 1 flow:

Average throughput: 91.78 Mbit/s

95th percentile per-packet one-way delay: 45.168 ms

Loss rate: 0.23%

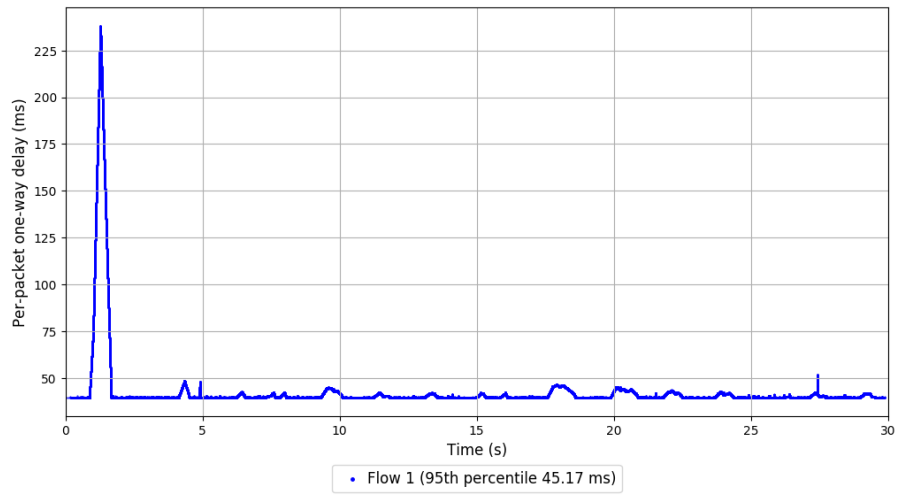
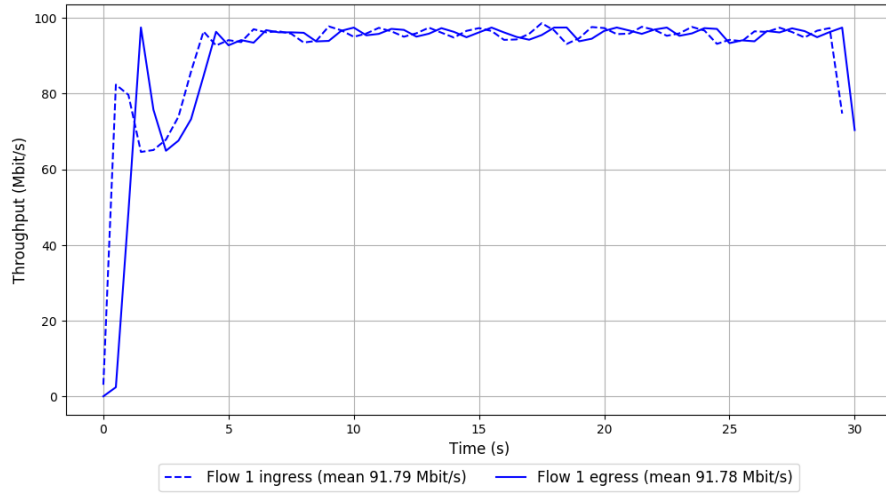
-- Flow 1:

Average throughput: 91.78 Mbit/s

95th percentile per-packet one-way delay: 45.168 ms

Loss rate: 0.23%

Run 3: Report of PCC-Allegro — Data Link



Run 4: Statistics of PCC-Allegro

Start at: 2019-05-30 07:02:15

End at: 2019-05-30 07:02:45

Local clock offset: 1.553 ms

Remote clock offset: -2.957 ms

Below is generated by plot.py at 2019-05-30 07:52:53

Datalink statistics

-- Total of 1 flow:

Average throughput: 91.88 Mbit/s

95th percentile per-packet one-way delay: 45.358 ms

Loss rate: 0.24%

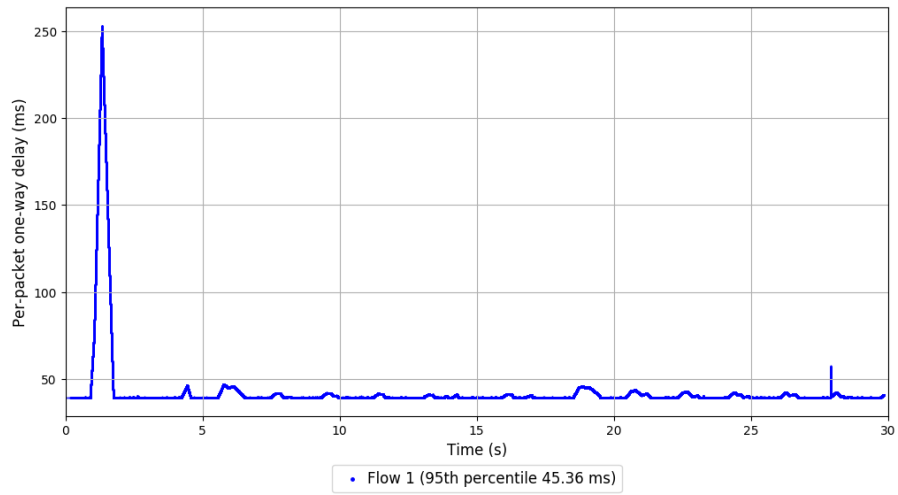
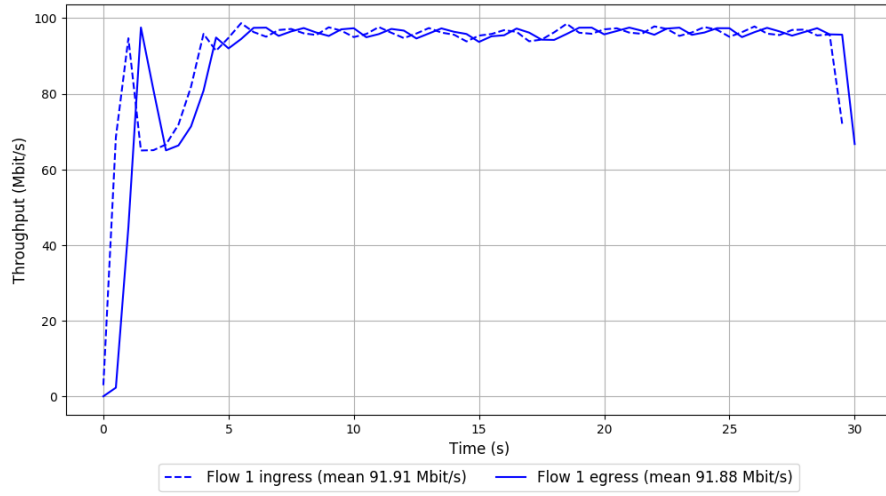
-- Flow 1:

Average throughput: 91.88 Mbit/s

95th percentile per-packet one-way delay: 45.358 ms

Loss rate: 0.24%

Run 4: Report of PCC-Allegro — Data Link



Run 5: Statistics of PCC-Allegro

Start at: 2019-05-30 07:26:53

End at: 2019-05-30 07:27:23

Local clock offset: 0.117 ms

Remote clock offset: -2.783 ms

Below is generated by plot.py at 2019-05-30 07:53:06

Datalink statistics

-- Total of 1 flow:

Average throughput: 91.69 Mbit/s

95th percentile per-packet one-way delay: 50.186 ms

Loss rate: 0.26%

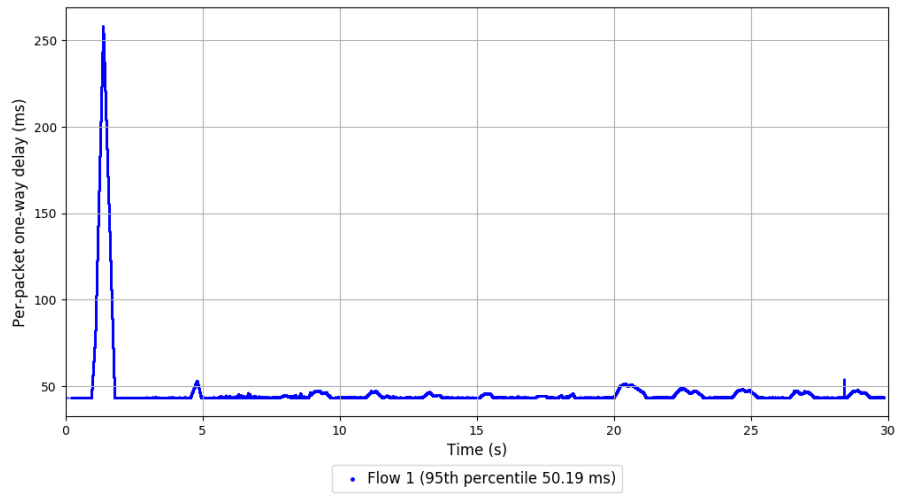
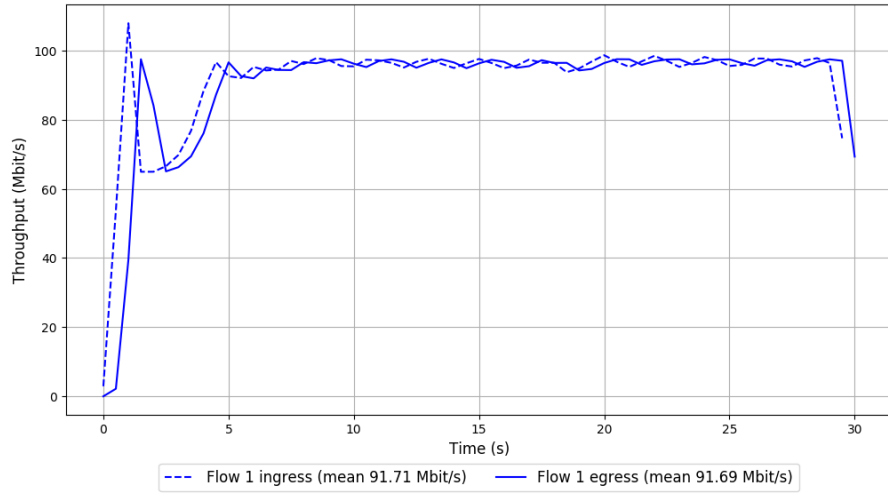
-- Flow 1:

Average throughput: 91.69 Mbit/s

95th percentile per-packet one-way delay: 50.186 ms

Loss rate: 0.26%

Run 5: Report of PCC-Allegro — Data Link



Run 1: Statistics of PCC-Expr

Start at: 2019-05-30 06:00:03

End at: 2019-05-30 06:00:33

Local clock offset: 0.627 ms

Remote clock offset: -2.399 ms

Below is generated by plot.py at 2019-05-30 07:54:00

Datalink statistics

-- Total of 1 flow:

Average throughput: 85.21 Mbit/s

95th percentile per-packet one-way delay: 157.126 ms

Loss rate: 0.42%

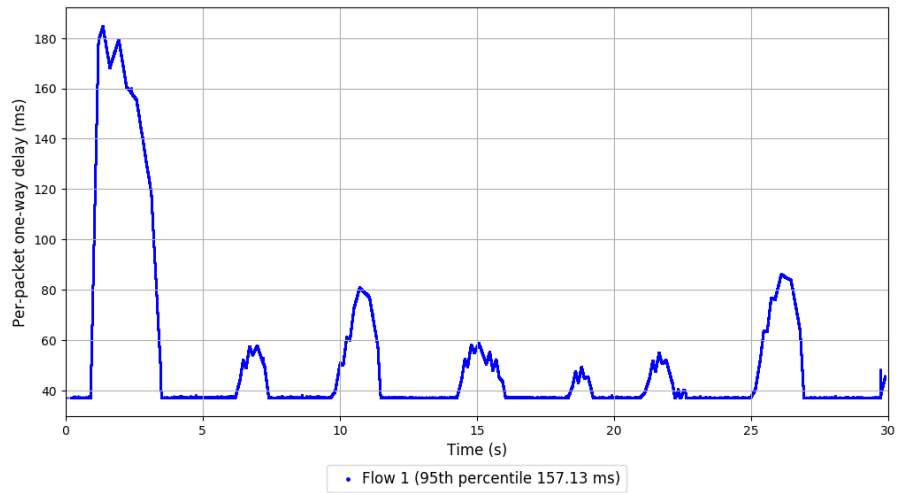
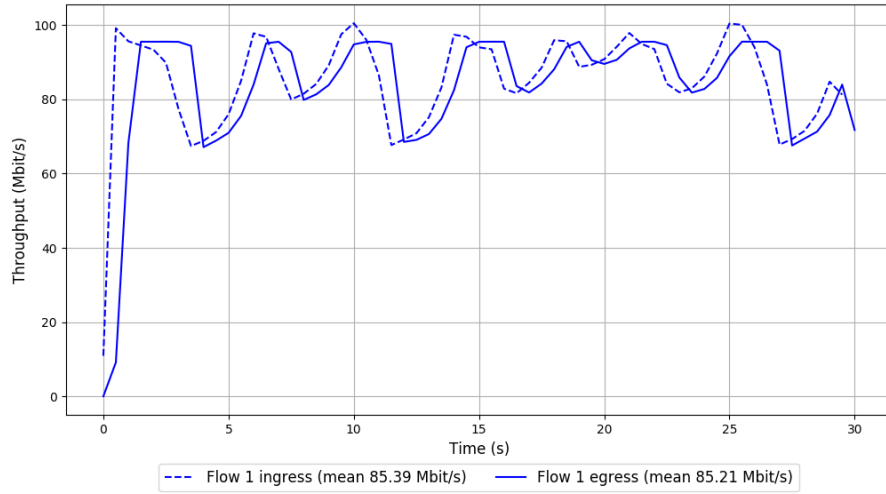
-- Flow 1:

Average throughput: 85.21 Mbit/s

95th percentile per-packet one-way delay: 157.126 ms

Loss rate: 0.42%

Run 1: Report of PCC-Expr — Data Link



Run 2: Statistics of PCC-Expr

Start at: 2019-05-30 06:25:23

End at: 2019-05-30 06:25:53

Local clock offset: 0.229 ms

Remote clock offset: -1.558 ms

Below is generated by plot.py at 2019-05-30 07:54:05

Datalink statistics

-- Total of 1 flow:

Average throughput: 85.41 Mbit/s

95th percentile per-packet one-way delay: 159.639 ms

Loss rate: 0.26%

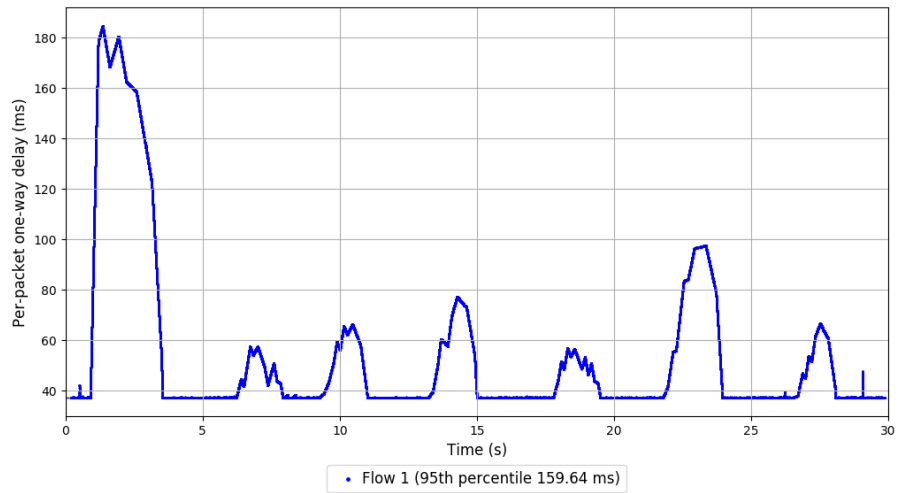
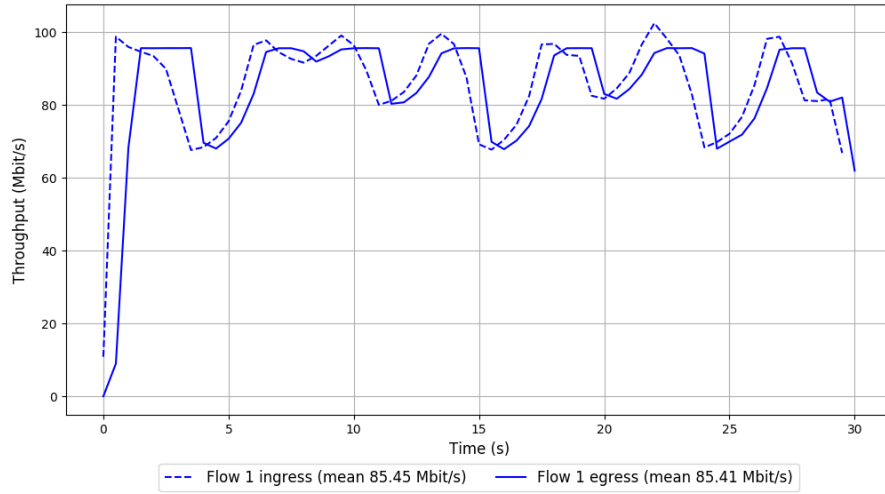
-- Flow 1:

Average throughput: 85.41 Mbit/s

95th percentile per-packet one-way delay: 159.639 ms

Loss rate: 0.26%

Run 2: Report of PCC-Expr — Data Link



Run 3: Statistics of PCC-Expr

Start at: 2019-05-30 06:50:16

End at: 2019-05-30 06:50:46

Local clock offset: 1.189 ms

Remote clock offset: -3.29 ms

Below is generated by plot.py at 2019-05-30 07:54:12

Datalink statistics

-- Total of 1 flow:

Average throughput: 85.05 Mbit/s

95th percentile per-packet one-way delay: 168.624 ms

Loss rate: 0.24%

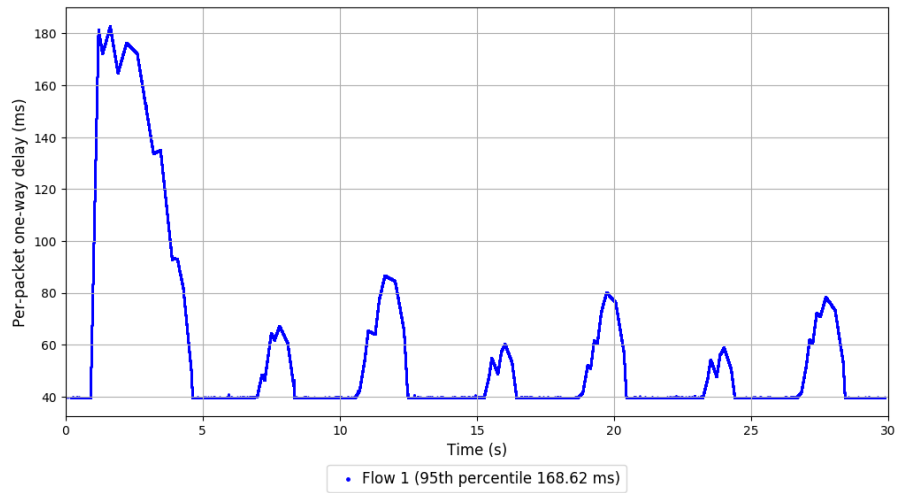
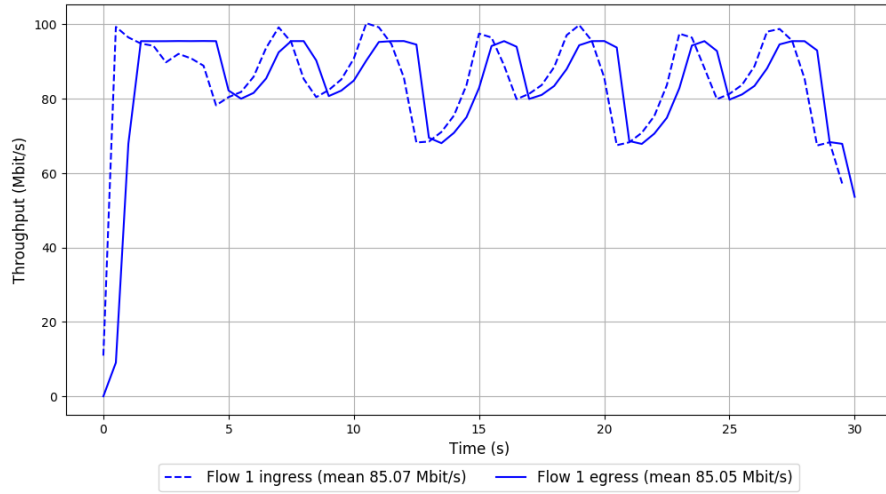
-- Flow 1:

Average throughput: 85.05 Mbit/s

95th percentile per-packet one-way delay: 168.624 ms

Loss rate: 0.24%

Run 3: Report of PCC-Expr — Data Link



Run 4: Statistics of PCC-Expr

Start at: 2019-05-30 07:15:06

End at: 2019-05-30 07:15:36

Local clock offset: 0.671 ms

Remote clock offset: -2.803 ms

Below is generated by plot.py at 2019-05-30 07:54:53

Datalink statistics

-- Total of 1 flow:

Average throughput: 86.94 Mbit/s

95th percentile per-packet one-way delay: 181.151 ms

Loss rate: 0.34%

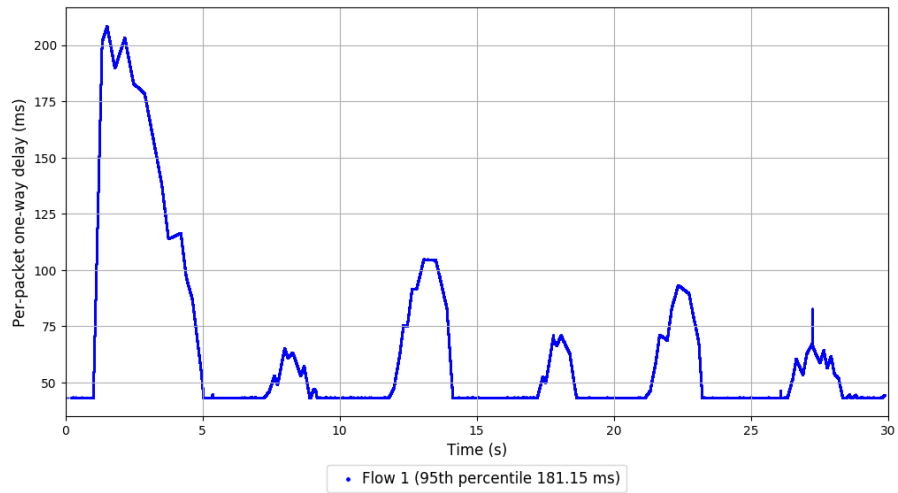
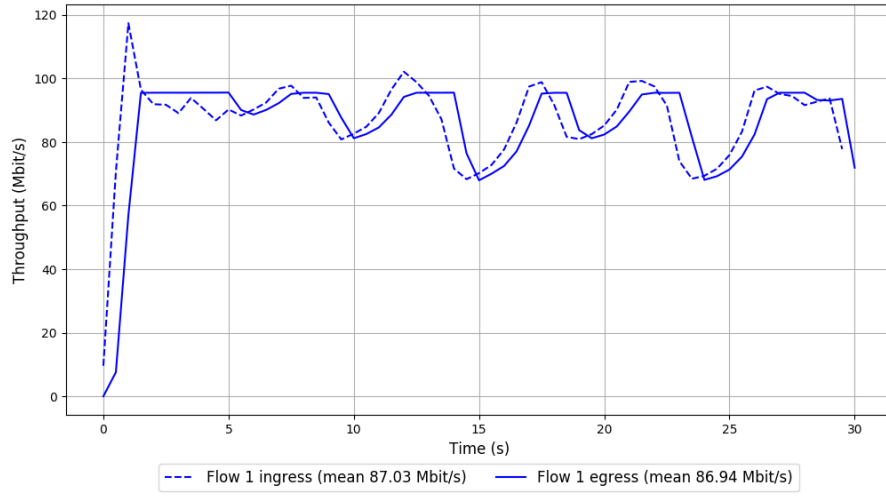
-- Flow 1:

Average throughput: 86.94 Mbit/s

95th percentile per-packet one-way delay: 181.151 ms

Loss rate: 0.34%

Run 4: Report of PCC-Expr — Data Link

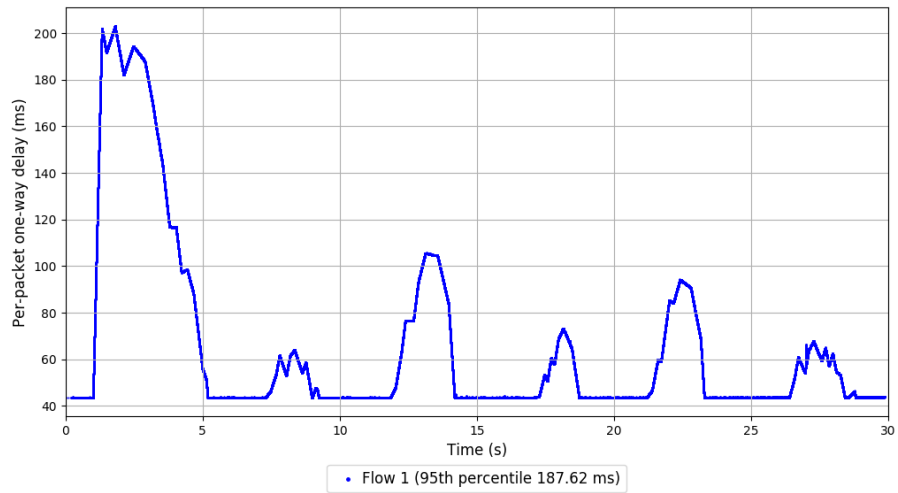
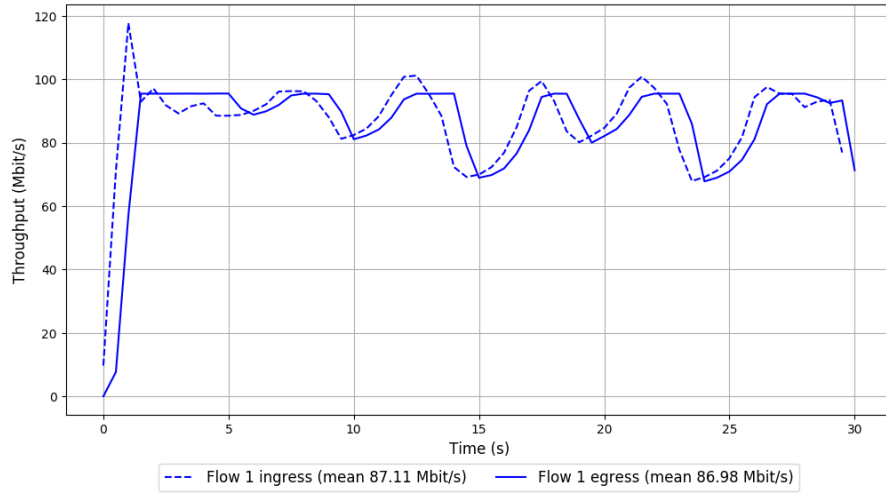


Run 5: Statistics of PCC-Expr

Start at: 2019-05-30 07:39:46
End at: 2019-05-30 07:40:16
Local clock offset: -0.742 ms
Remote clock offset: -2.635 ms

Below is generated by plot.py at 2019-05-30 07:54:54
Datalink statistics
-- Total of 1 flow:
Average throughput: 86.98 Mbit/s
95th percentile per-packet one-way delay: 187.624 ms
Loss rate: 0.39%
-- Flow 1:
Average throughput: 86.98 Mbit/s
95th percentile per-packet one-way delay: 187.624 ms
Loss rate: 0.39%

Run 5: Report of PCC-Expr — Data Link



Run 1: Statistics of QUIC Cubic

Start at: 2019-05-30 05:36:55

End at: 2019-05-30 05:37:25

Local clock offset: 0.369 ms

Remote clock offset: -3.028 ms

Below is generated by plot.py at 2019-05-30 07:54:54

Datalink statistics

-- Total of 1 flow:

Average throughput: 84.91 Mbit/s

95th percentile per-packet one-way delay: 44.056 ms

Loss rate: 0.24%

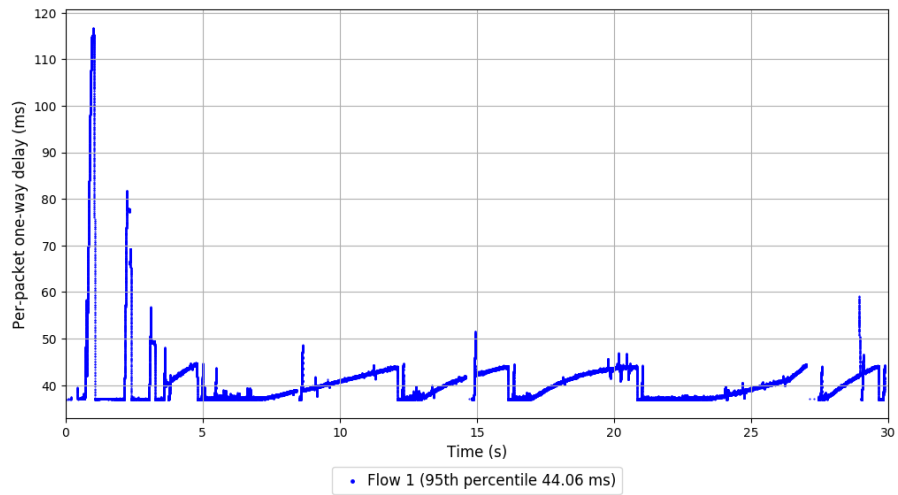
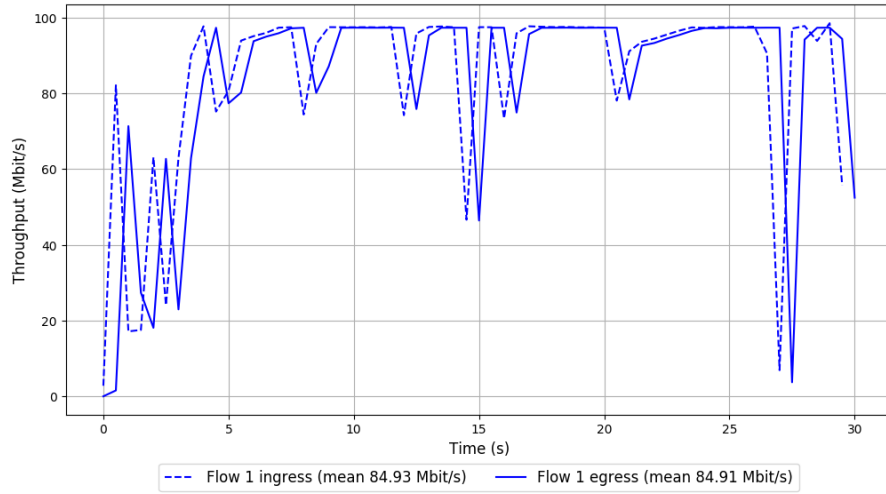
-- Flow 1:

Average throughput: 84.91 Mbit/s

95th percentile per-packet one-way delay: 44.056 ms

Loss rate: 0.24%

Run 1: Report of QUIC Cubic — Data Link



Run 2: Statistics of QUIC Cubic

Start at: 2019-05-30 06:02:37

End at: 2019-05-30 06:03:07

Local clock offset: 0.642 ms

Remote clock offset: -2.494 ms

Below is generated by plot.py at 2019-05-30 07:54:54

Datalink statistics

-- Total of 1 flow:

Average throughput: 77.29 Mbit/s

95th percentile per-packet one-way delay: 53.713 ms

Loss rate: 0.22%

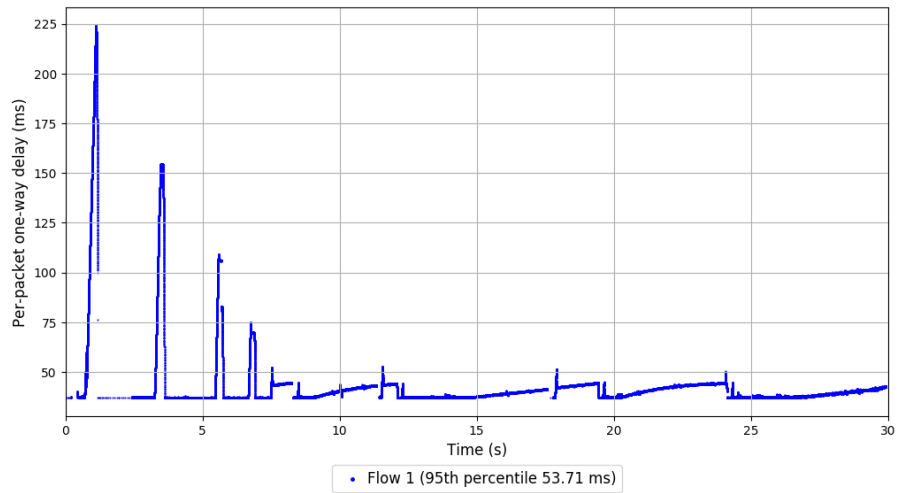
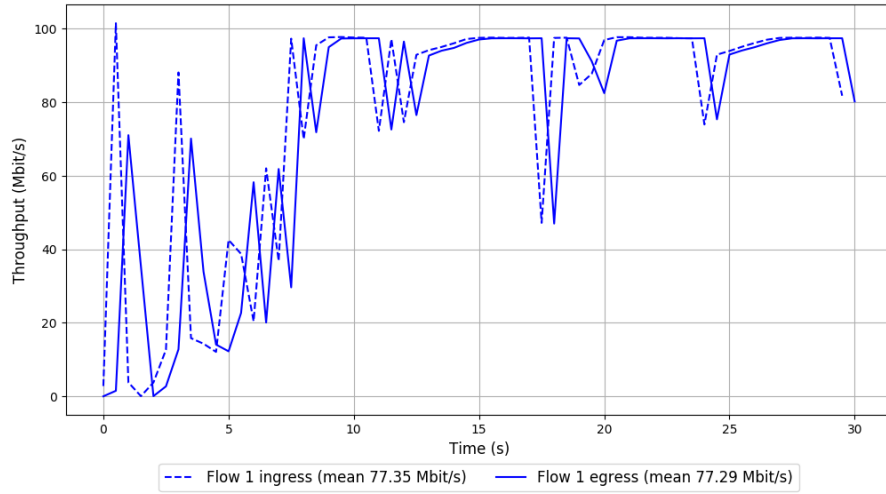
-- Flow 1:

Average throughput: 77.29 Mbit/s

95th percentile per-packet one-way delay: 53.713 ms

Loss rate: 0.22%

Run 2: Report of QUIC Cubic — Data Link



Run 3: Statistics of QUIC Cubic

Start at: 2019-05-30 06:27:47

End at: 2019-05-30 06:28:17

Local clock offset: 0.218 ms

Remote clock offset: -1.314 ms

Below is generated by plot.py at 2019-05-30 07:54:54

Datalink statistics

-- Total of 1 flow:

Average throughput: 85.21 Mbit/s

95th percentile per-packet one-way delay: 44.278 ms

Loss rate: 0.27%

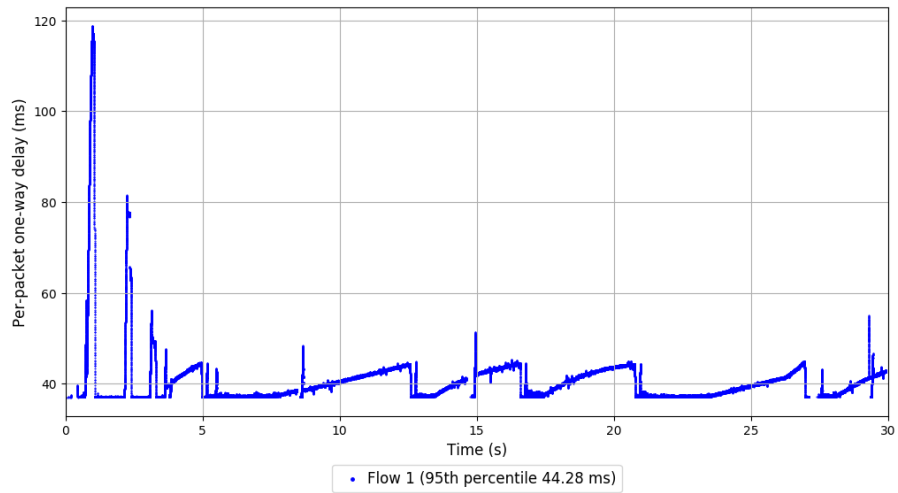
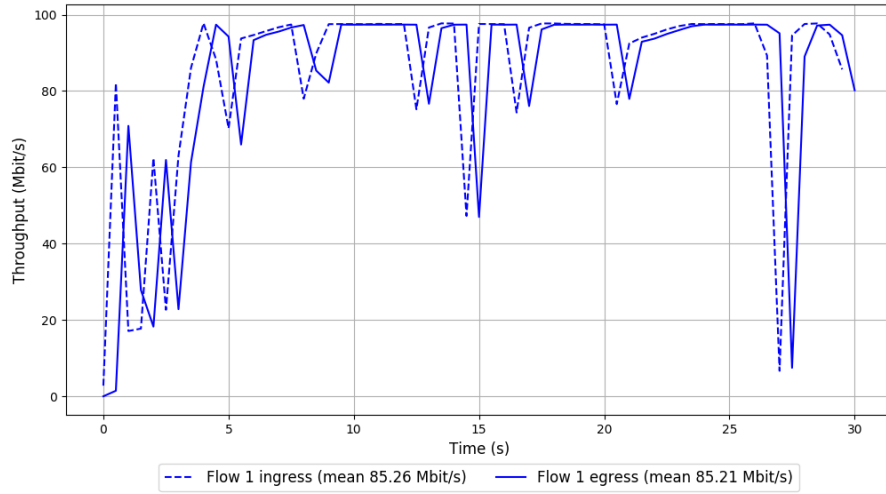
-- Flow 1:

Average throughput: 85.21 Mbit/s

95th percentile per-packet one-way delay: 44.278 ms

Loss rate: 0.27%

Run 3: Report of QUIC Cubic — Data Link



Run 4: Statistics of QUIC Cubic

Start at: 2019-05-30 06:52:42

End at: 2019-05-30 06:53:12

Local clock offset: 1.323 ms

Remote clock offset: -3.286 ms

Below is generated by plot.py at 2019-05-30 07:54:56

Datalink statistics

-- Total of 1 flow:

Average throughput: 76.84 Mbit/s

95th percentile per-packet one-way delay: 56.683 ms

Loss rate: 0.30%

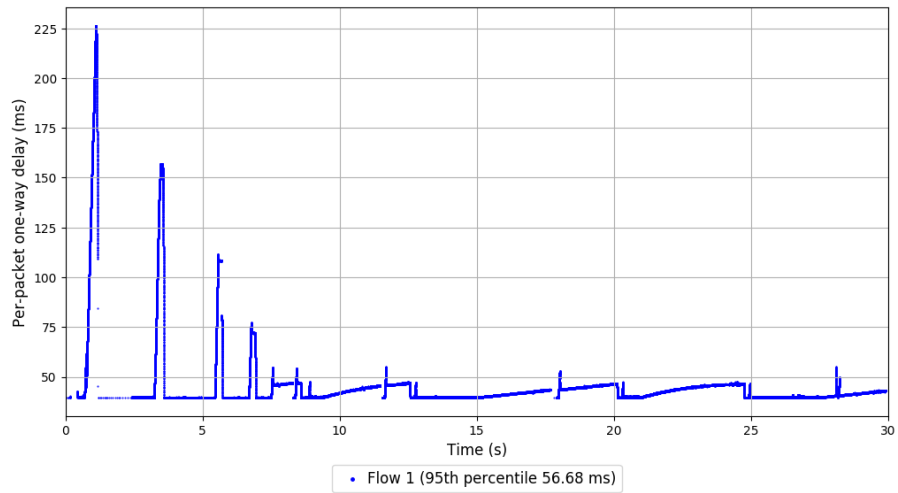
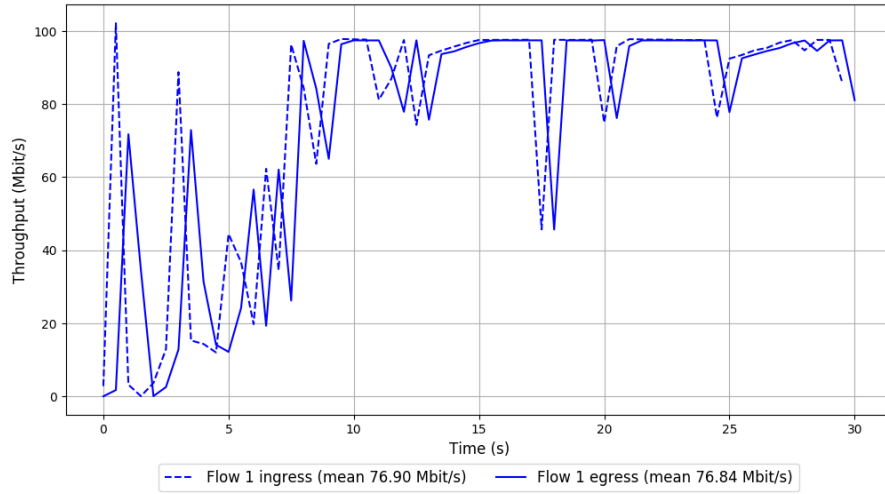
-- Flow 1:

Average throughput: 76.84 Mbit/s

95th percentile per-packet one-way delay: 56.683 ms

Loss rate: 0.30%

Run 4: Report of QUIC Cubic — Data Link



Run 5: Statistics of QUIC Cubic

Start at: 2019-05-30 07:17:30

End at: 2019-05-30 07:18:00

Local clock offset: 0.543 ms

Remote clock offset: -2.772 ms

Below is generated by plot.py at 2019-05-30 07:55:00

Datalink statistics

-- Total of 1 flow:

Average throughput: 76.74 Mbit/s

95th percentile per-packet one-way delay: 58.510 ms

Loss rate: 0.30%

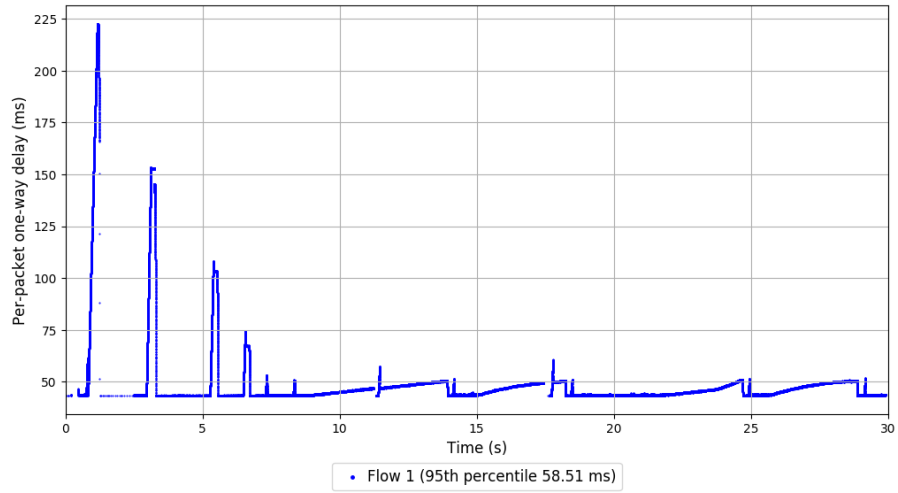
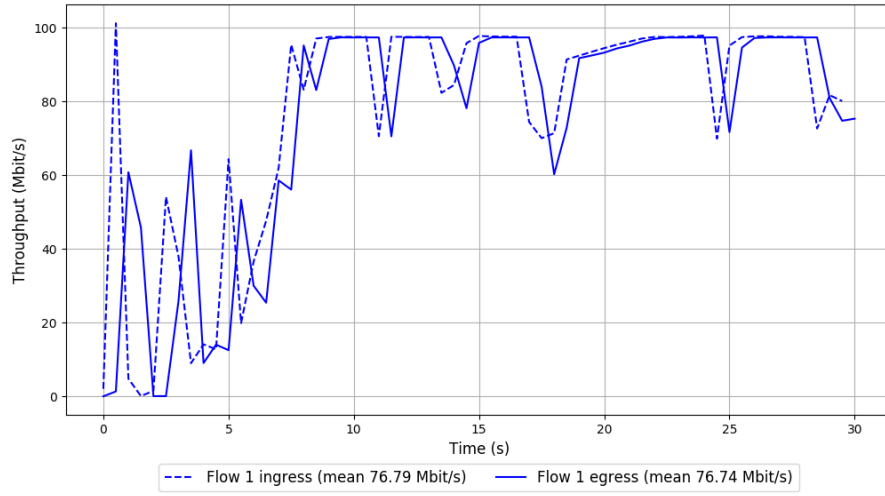
-- Flow 1:

Average throughput: 76.74 Mbit/s

95th percentile per-packet one-way delay: 58.510 ms

Loss rate: 0.30%

Run 5: Report of QUIC Cubic — Data Link

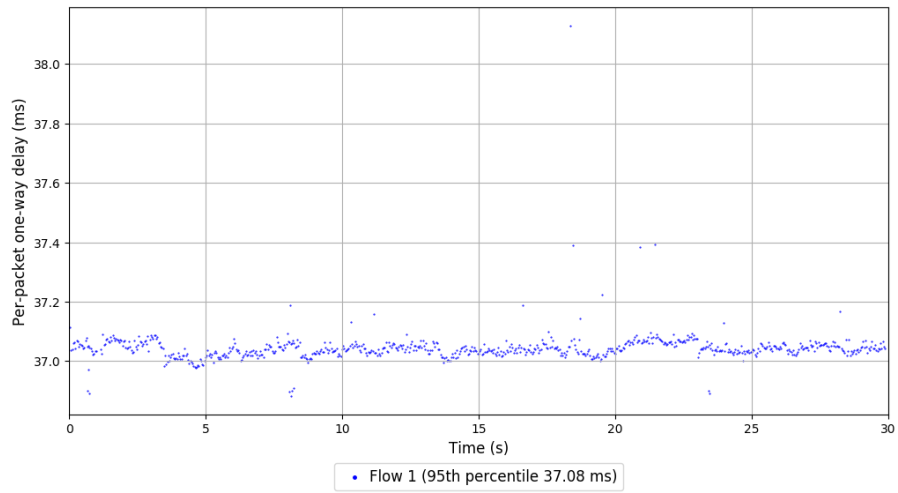
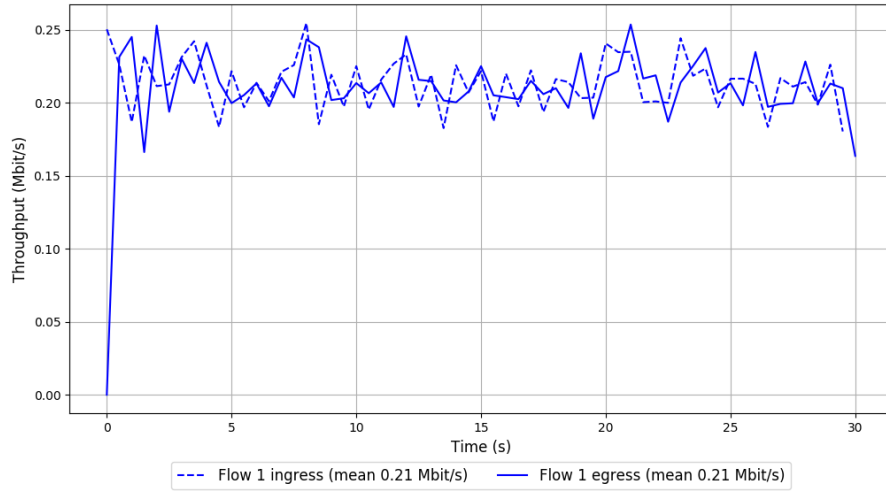


Run 1: Statistics of SCReAM

Start at: 2019-05-30 05:49:02
End at: 2019-05-30 05:49:32
Local clock offset: 0.526 ms
Remote clock offset: -2.677 ms

Below is generated by plot.py at 2019-05-30 07:55:00
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 37.081 ms
Loss rate: 0.26%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 37.081 ms
Loss rate: 0.26%

Run 1: Report of SCReAM — Data Link

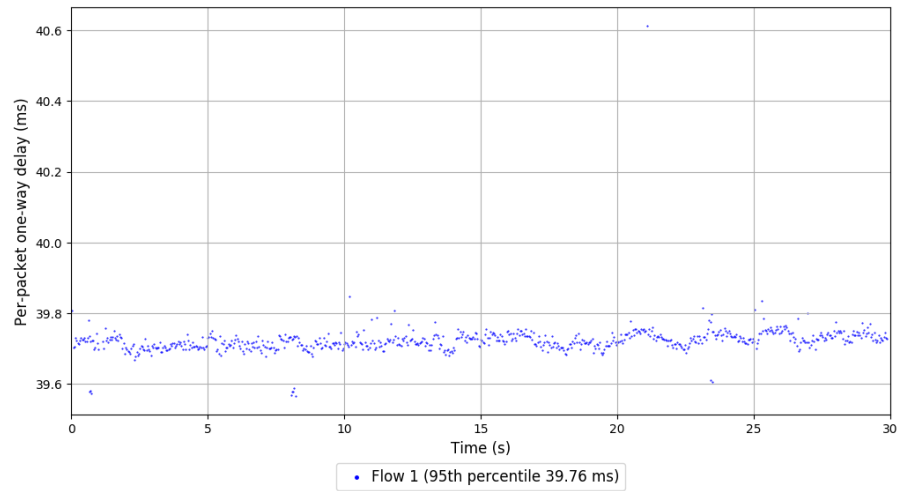
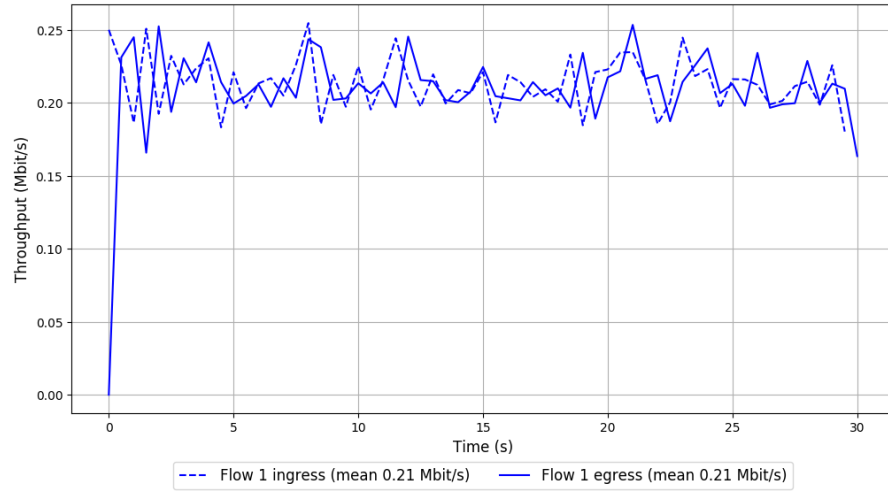


Run 2: Statistics of SCReAM

Start at: 2019-05-30 06:14:55
End at: 2019-05-30 06:15:25
Local clock offset: 0.37 ms
Remote clock offset: -4.455 ms

Below is generated by plot.py at 2019-05-30 07:55:00
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 39.755 ms
Loss rate: 0.26%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 39.755 ms
Loss rate: 0.26%

Run 2: Report of SCReAM — Data Link

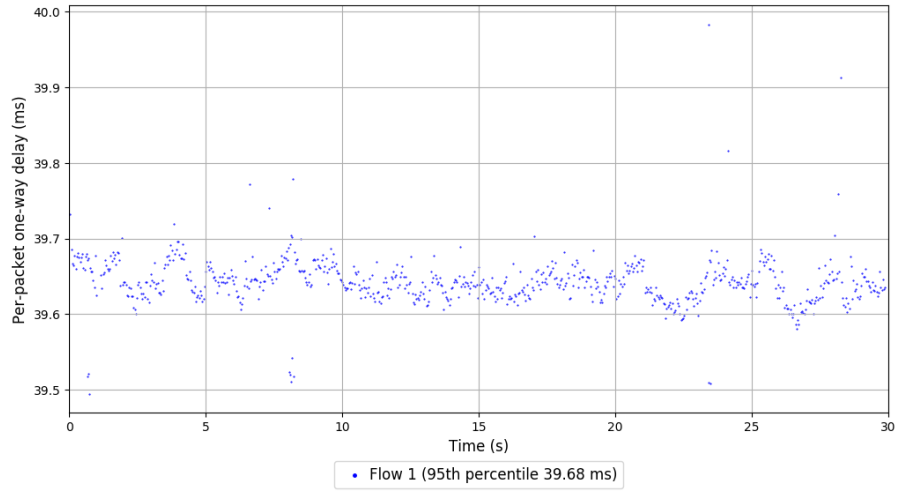
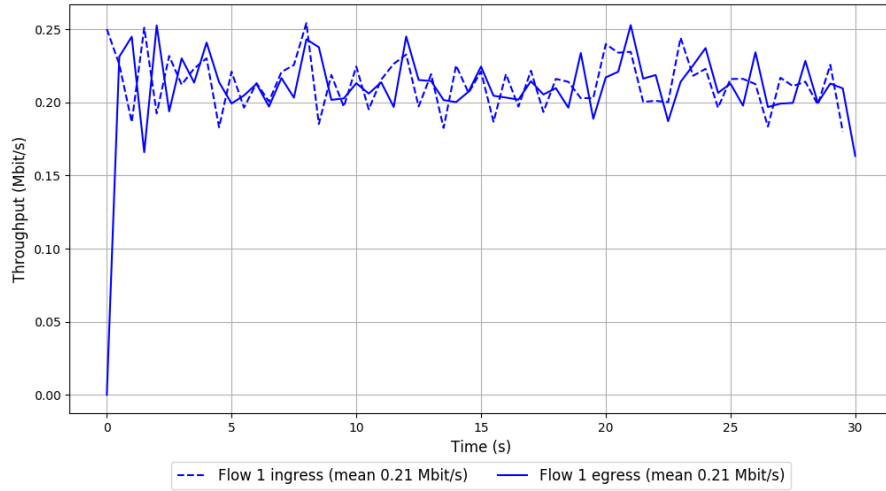


Run 3: Statistics of SCReAM

Start at: 2019-05-30 06:39:46
End at: 2019-05-30 06:40:17
Local clock offset: 0.437 ms
Remote clock offset: -3.579 ms

Below is generated by plot.py at 2019-05-30 07:55:00
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 39.681 ms
Loss rate: 0.26%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 39.681 ms
Loss rate: 0.26%

Run 3: Report of SCReAM — Data Link

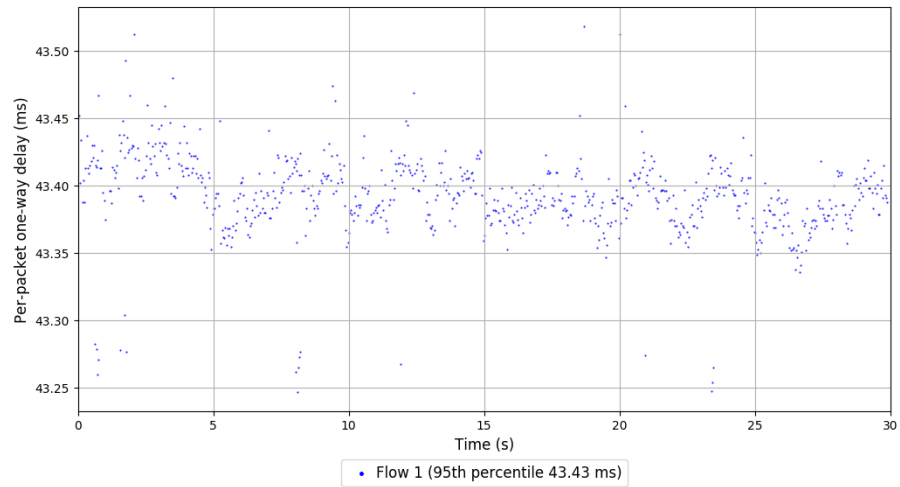
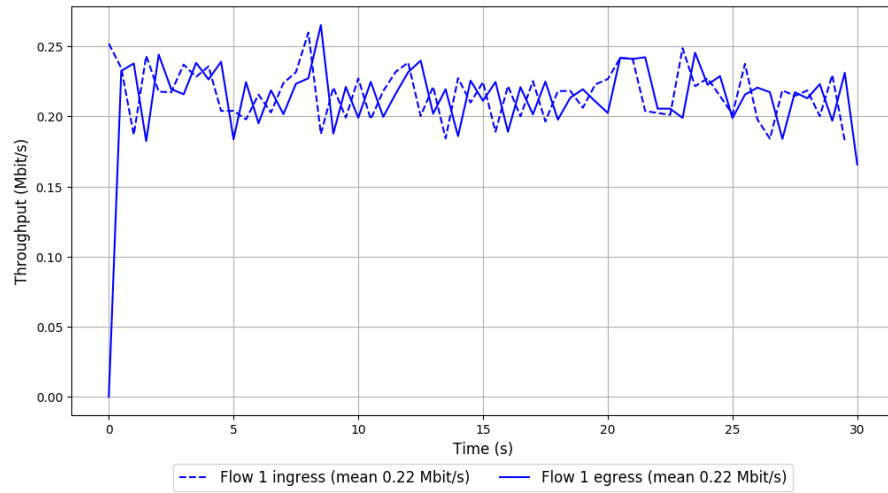


Run 4: Statistics of SCReAM

Start at: 2019-05-30 07:04:35
End at: 2019-05-30 07:05:05
Local clock offset: 1.623 ms
Remote clock offset: -2.959 ms

Below is generated by plot.py at 2019-05-30 07:55:00
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 43.432 ms
Loss rate: 0.26%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 43.432 ms
Loss rate: 0.26%

Run 4: Report of SCReAM — Data Link

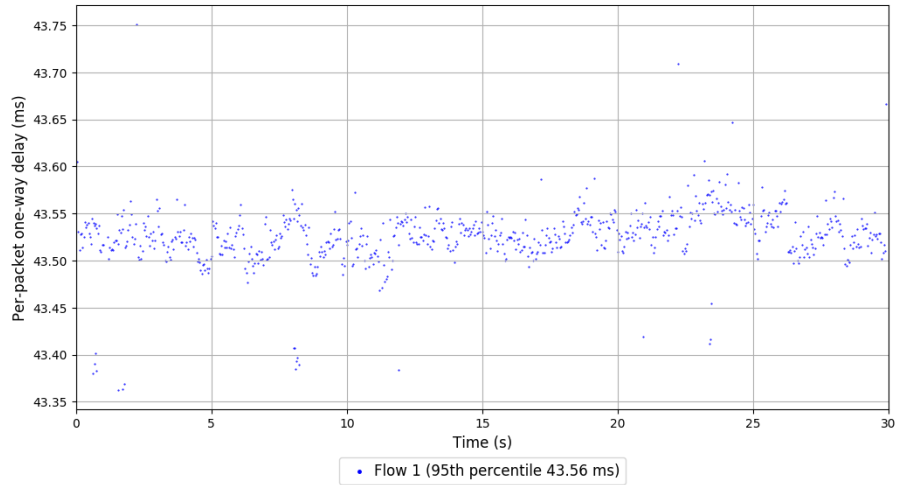
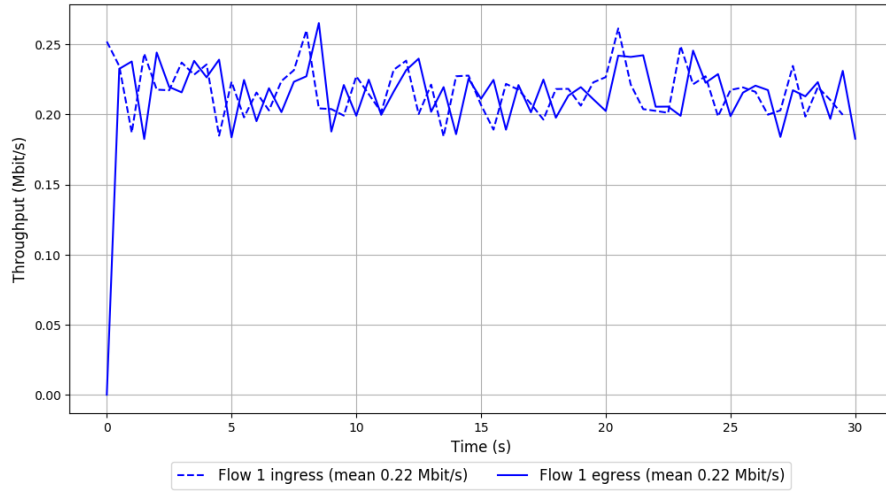


Run 5: Statistics of SCReAM

Start at: 2019-05-30 07:29:14
End at: 2019-05-30 07:29:44
Local clock offset: 0.057 ms
Remote clock offset: -2.727 ms

Below is generated by plot.py at 2019-05-30 07:55:00
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 43.562 ms
Loss rate: 0.26%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 43.562 ms
Loss rate: 0.26%

Run 5: Report of SCReAM — Data Link

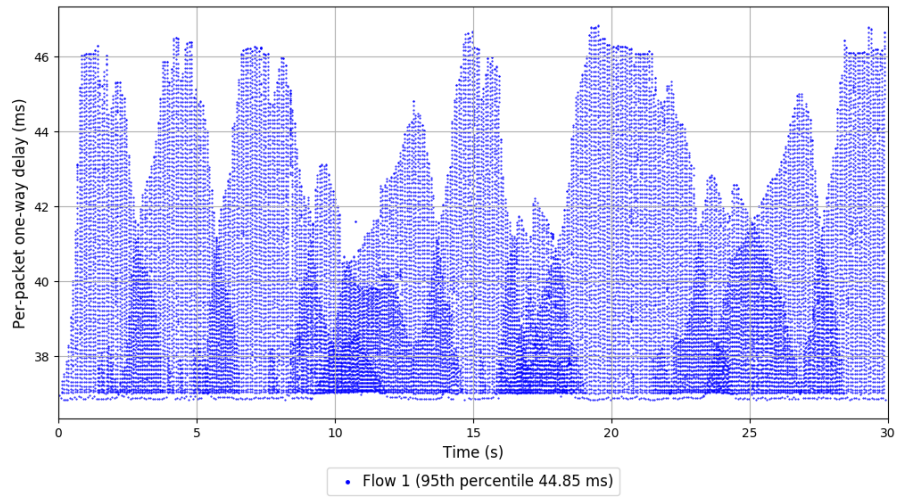
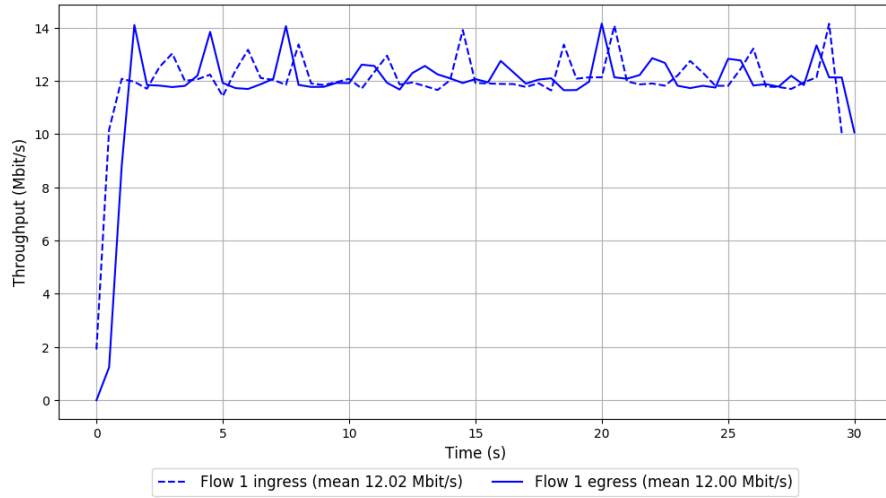


Run 1: Statistics of Sprout

Start at: 2019-05-30 05:40:26
End at: 2019-05-30 05:40:56
Local clock offset: 0.422 ms
Remote clock offset: -2.978 ms

Below is generated by plot.py at 2019-05-30 07:55:00
Datalink statistics
-- Total of 1 flow:
Average throughput: 12.00 Mbit/s
95th percentile per-packet one-way delay: 44.854 ms
Loss rate: 0.28%
-- Flow 1:
Average throughput: 12.00 Mbit/s
95th percentile per-packet one-way delay: 44.854 ms
Loss rate: 0.28%

Run 1: Report of Sprout — Data Link

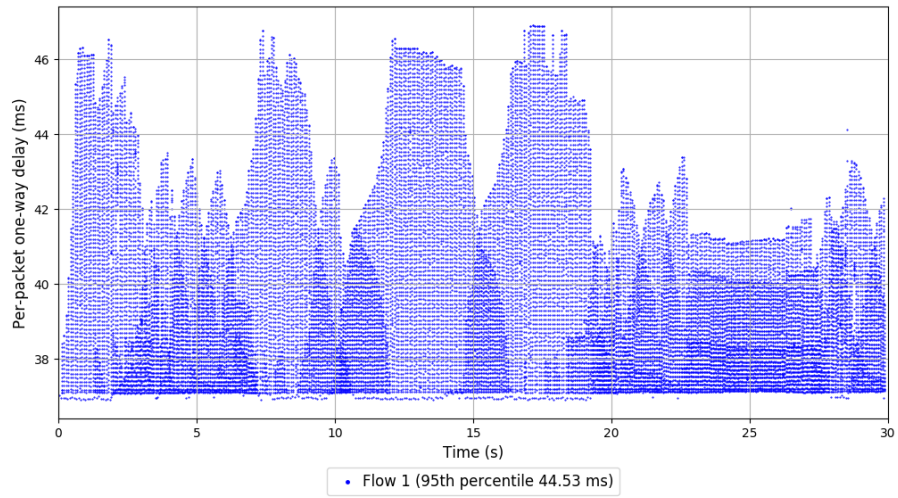
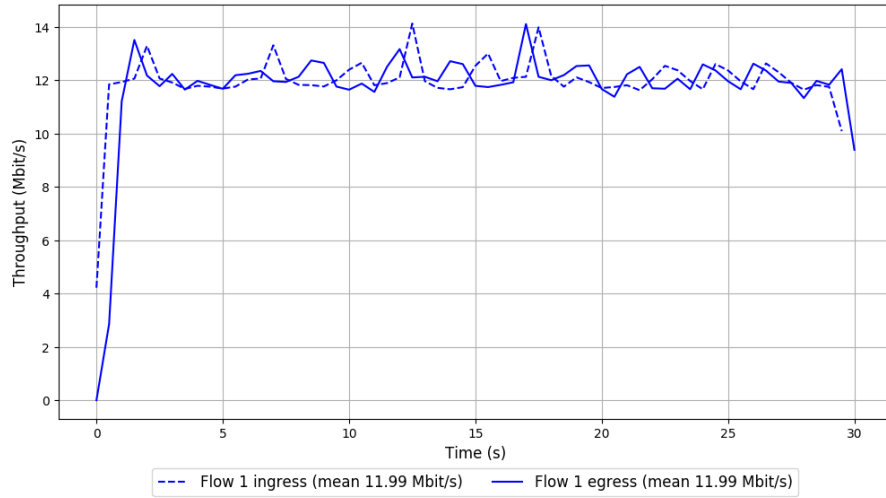


Run 2: Statistics of Sprout

Start at: 2019-05-30 06:06:27
End at: 2019-05-30 06:06:57
Local clock offset: 0.703 ms
Remote clock offset: -2.155 ms

Below is generated by plot.py at 2019-05-30 07:55:00
Datalink statistics
-- Total of 1 flow:
Average throughput: 11.99 Mbit/s
95th percentile per-packet one-way delay: 44.532 ms
Loss rate: 0.23%
-- Flow 1:
Average throughput: 11.99 Mbit/s
95th percentile per-packet one-way delay: 44.532 ms
Loss rate: 0.23%

Run 2: Report of Sprout — Data Link



Run 3: Statistics of Sprout

Start at: 2019-05-30 06:31:28

End at: 2019-05-30 06:31:58

Local clock offset: 0.193 ms

Remote clock offset: -3.714 ms

Below is generated by plot.py at 2019-05-30 07:55:00

Datalink statistics

-- Total of 1 flow:

Average throughput: 12.06 Mbit/s

95th percentile per-packet one-way delay: 47.336 ms

Loss rate: 0.28%

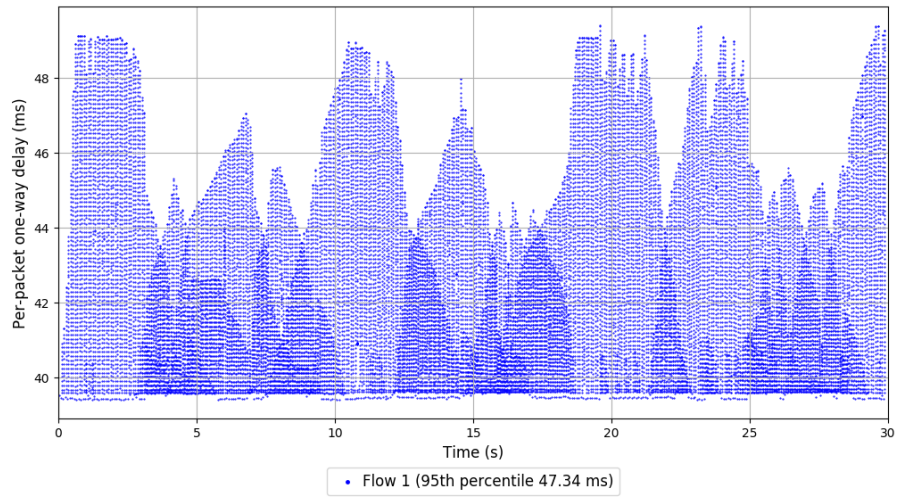
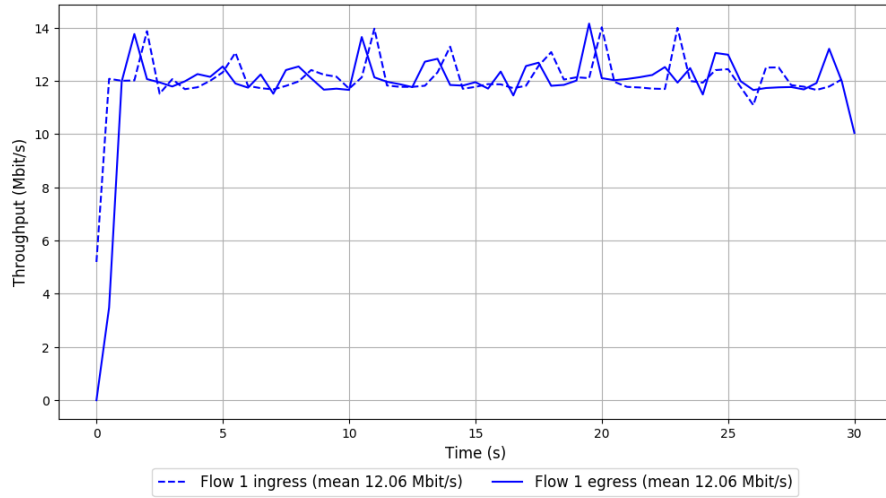
-- Flow 1:

Average throughput: 12.06 Mbit/s

95th percentile per-packet one-way delay: 47.336 ms

Loss rate: 0.28%

Run 3: Report of Sprout — Data Link



Run 4: Statistics of Sprout

Start at: 2019-05-30 06:56:14

End at: 2019-05-30 06:56:44

Local clock offset: 1.434 ms

Remote clock offset: -3.266 ms

Below is generated by plot.py at 2019-05-30 07:55:00

Datalink statistics

-- Total of 1 flow:

Average throughput: 12.10 Mbit/s

95th percentile per-packet one-way delay: 47.737 ms

Loss rate: 0.15%

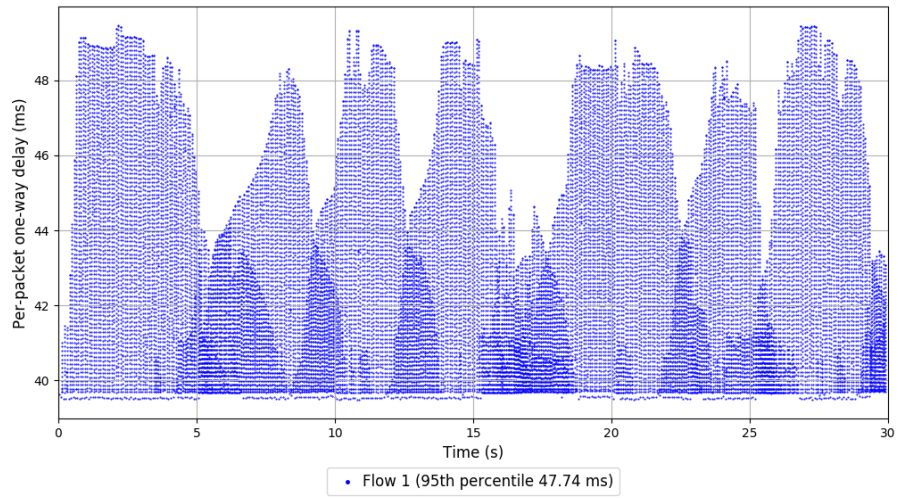
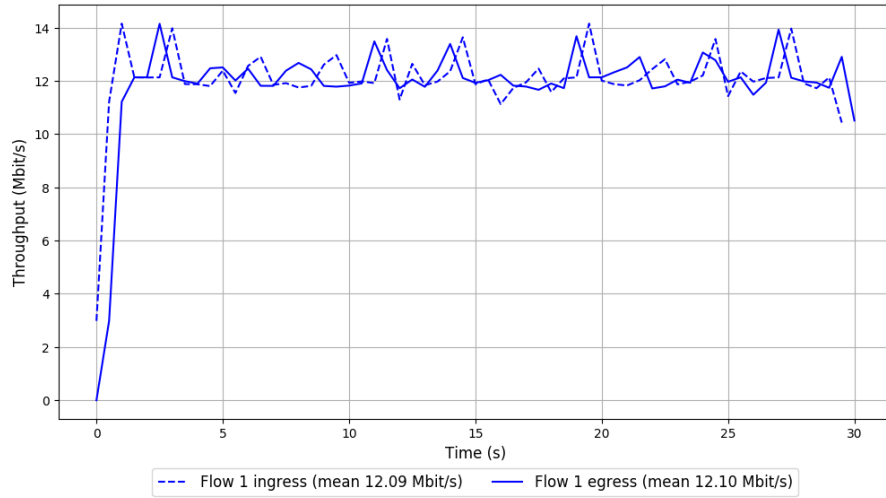
-- Flow 1:

Average throughput: 12.10 Mbit/s

95th percentile per-packet one-way delay: 47.737 ms

Loss rate: 0.15%

Run 4: Report of Sprout — Data Link

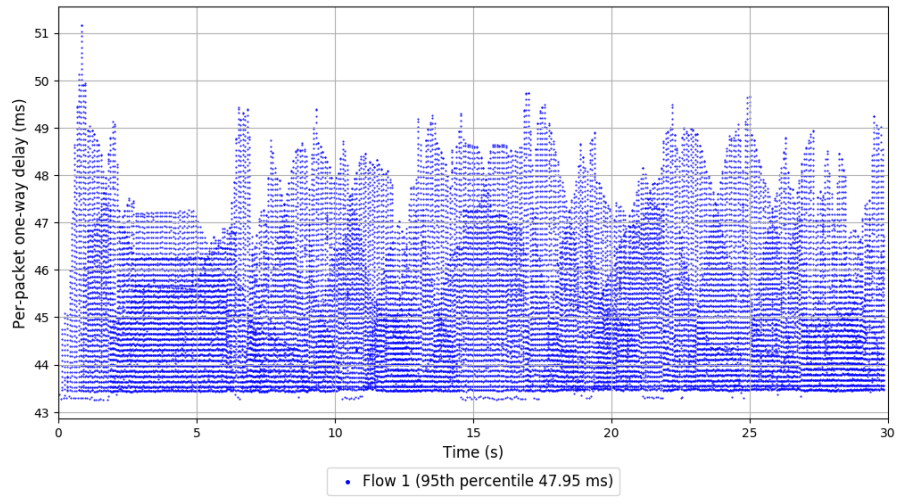
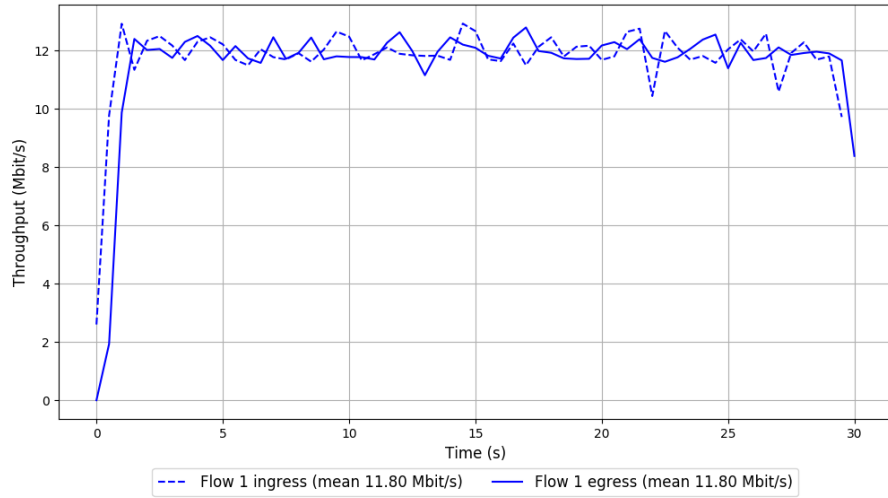


Run 5: Statistics of Sprout

Start at: 2019-05-30 07:21:01
End at: 2019-05-30 07:21:31
Local clock offset: 0.337 ms
Remote clock offset: -2.679 ms

```
# Below is generated by plot.py at 2019-05-30 07:55:00
# Datalink statistics
-- Total of 1 flow:
Average throughput: 11.80 Mbit/s
95th percentile per-packet one-way delay: 47.950 ms
Loss rate: 0.28%
-- Flow 1:
Average throughput: 11.80 Mbit/s
95th percentile per-packet one-way delay: 47.950 ms
Loss rate: 0.28%
```

Run 5: Report of Sprout — Data Link



Run 1: Statistics of TaoVA-100x

Start at: 2019-05-30 05:54:59

End at: 2019-05-30 05:55:29

Local clock offset: 0.629 ms

Remote clock offset: -2.563 ms

Below is generated by plot.py at 2019-05-30 07:56:28

Datalink statistics

-- Total of 1 flow:

Average throughput: 88.26 Mbit/s

95th percentile per-packet one-way delay: 48.348 ms

Loss rate: 0.23%

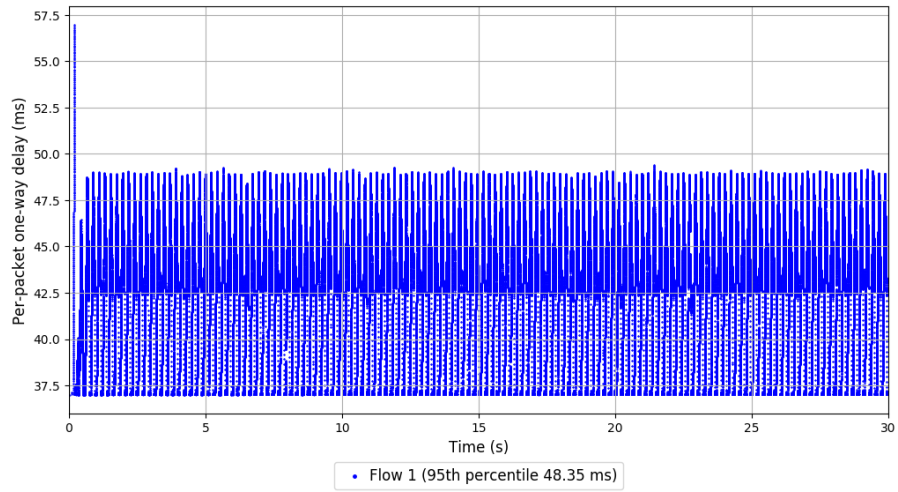
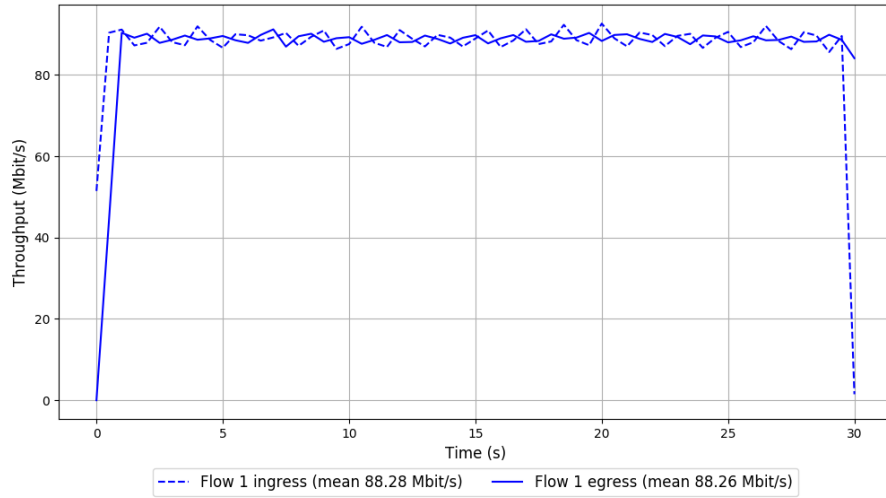
-- Flow 1:

Average throughput: 88.26 Mbit/s

95th percentile per-packet one-way delay: 48.348 ms

Loss rate: 0.23%

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



Run 2: Statistics of TaoVA-100x

Start at: 2019-05-30 06:20:42

End at: 2019-05-30 06:21:12

Local clock offset: 0.297 ms

Remote clock offset: -1.655 ms

Below is generated by plot.py at 2019-05-30 07:56:30

Datalink statistics

-- Total of 1 flow:

Average throughput: 88.17 Mbit/s

95th percentile per-packet one-way delay: 48.585 ms

Loss rate: 0.20%

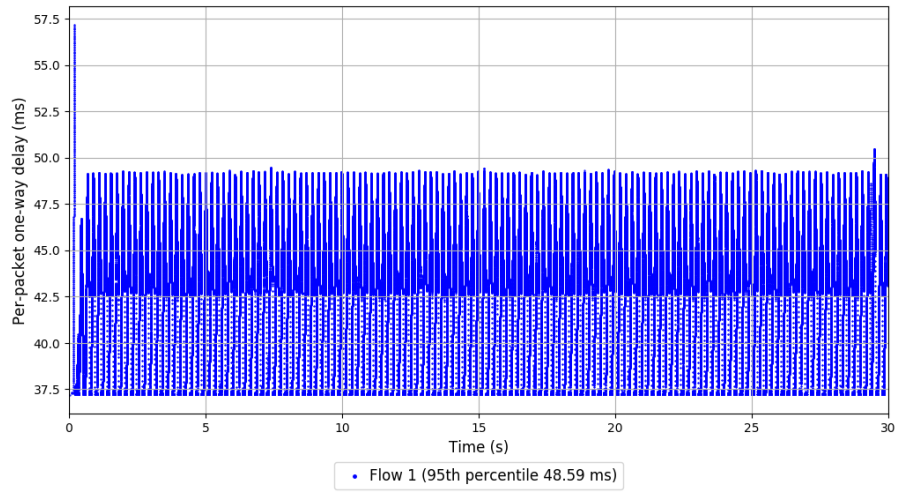
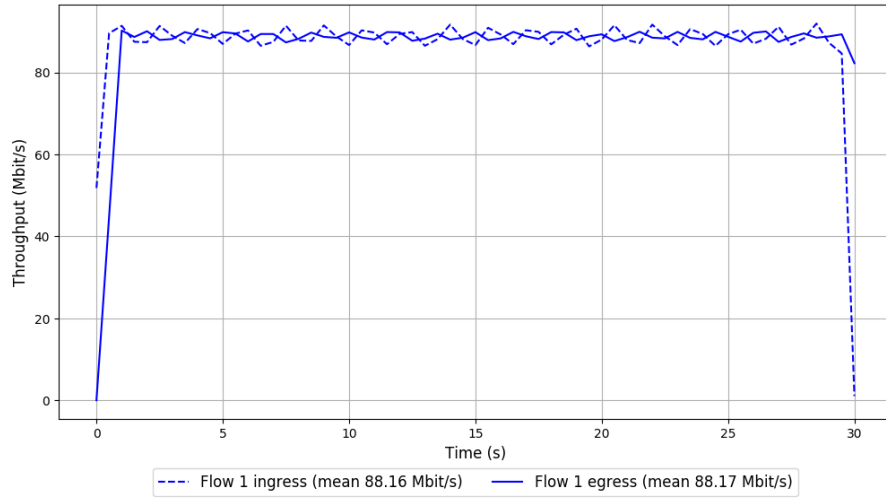
-- Flow 1:

Average throughput: 88.17 Mbit/s

95th percentile per-packet one-way delay: 48.585 ms

Loss rate: 0.20%

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



Run 3: Statistics of TaoVA-100x

Start at: 2019-05-30 06:45:32

End at: 2019-05-30 06:46:02

Local clock offset: 0.927 ms

Remote clock offset: -3.355 ms

Below is generated by plot.py at 2019-05-30 07:56:31

Datalink statistics

-- Total of 1 flow:

Average throughput: 88.00 Mbit/s

95th percentile per-packet one-way delay: 50.903 ms

Loss rate: 0.21%

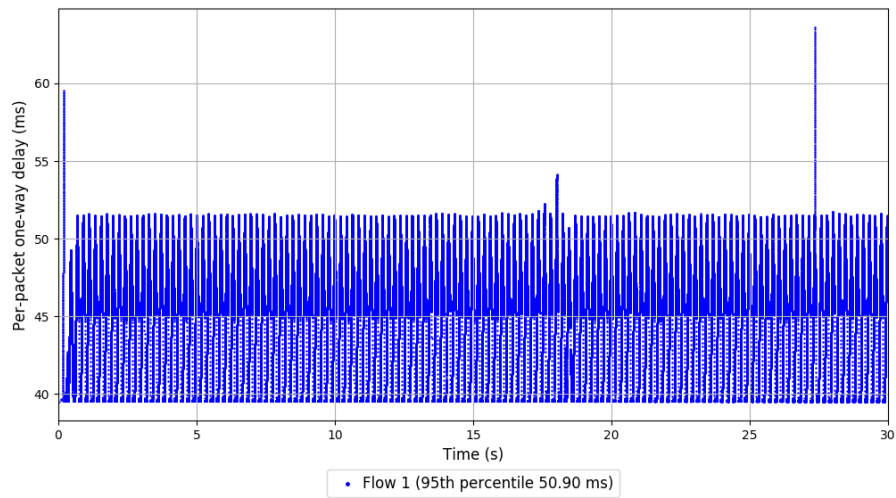
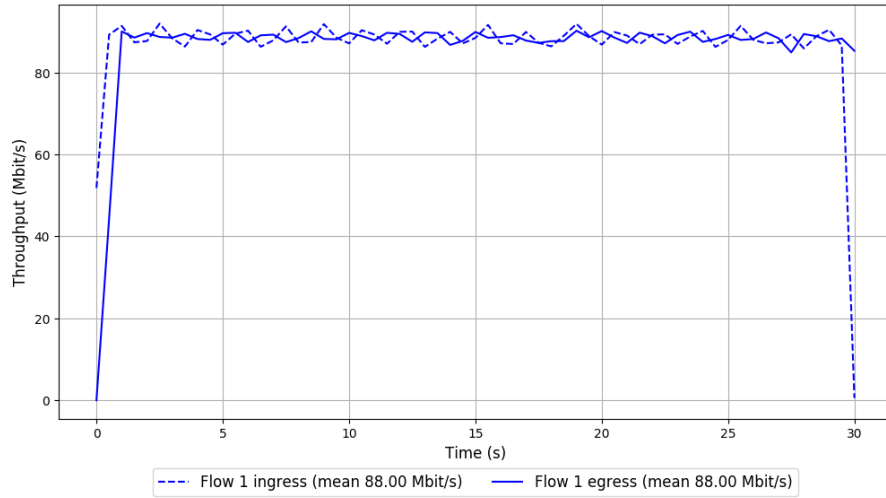
-- Flow 1:

Average throughput: 88.00 Mbit/s

95th percentile per-packet one-way delay: 50.903 ms

Loss rate: 0.21%

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



Run 4: Statistics of TaoVA-100x

Start at: 2019-05-30 07:10:22

End at: 2019-05-30 07:10:52

Local clock offset: 1.204 ms

Remote clock offset: 3.242 ms

Below is generated by plot.py at 2019-05-30 07:56:32

Datalink statistics

-- Total of 1 flow:

Average throughput: 88.20 Mbit/s

95th percentile per-packet one-way delay: 50.039 ms

Loss rate: 0.27%

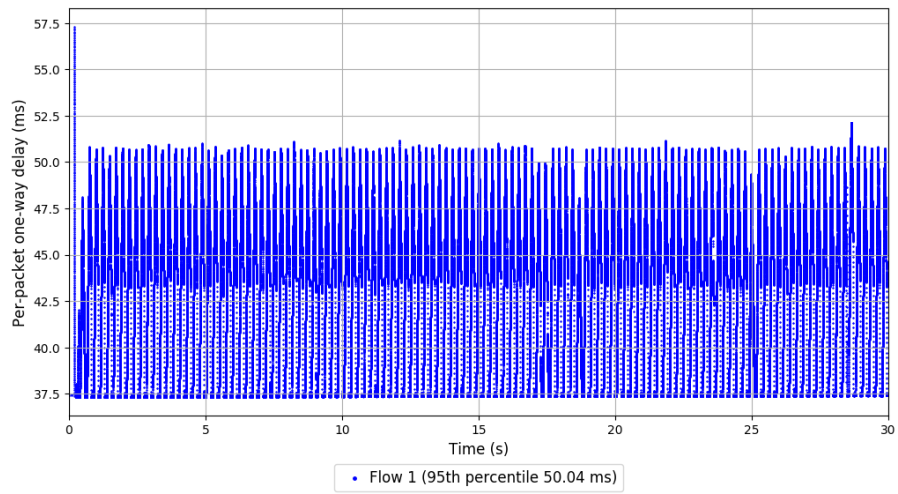
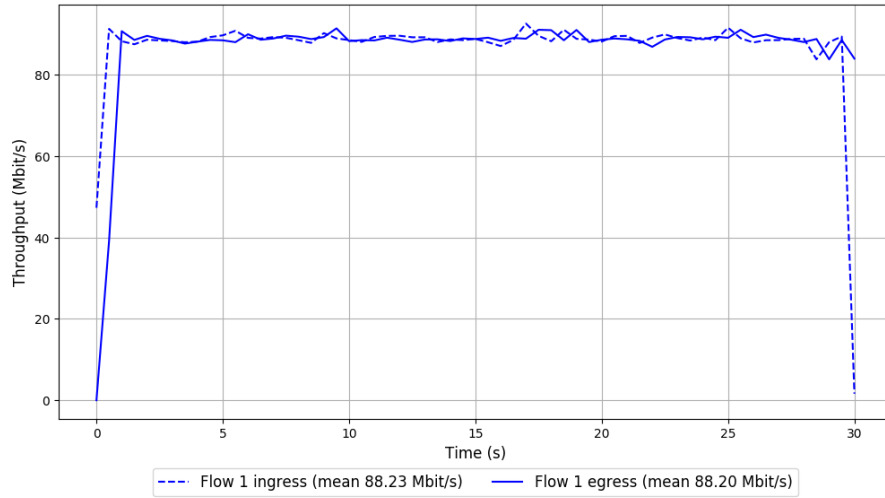
-- Flow 1:

Average throughput: 88.20 Mbit/s

95th percentile per-packet one-way delay: 50.039 ms

Loss rate: 0.27%

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

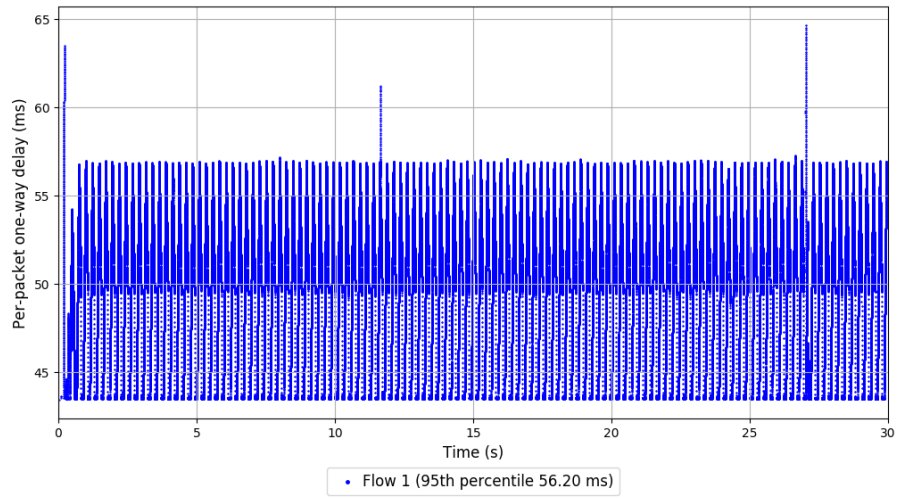
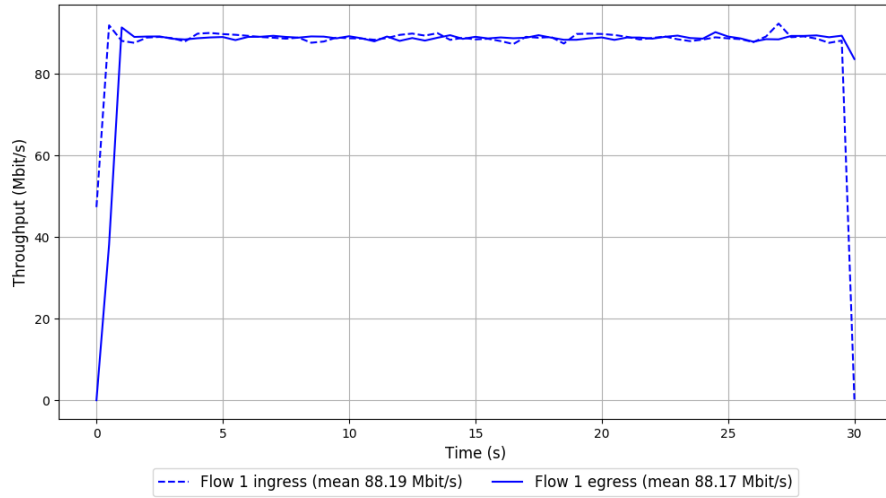


Run 5: Statistics of TaoVA-100x

Start at: 2019-05-30 07:35:01
End at: 2019-05-30 07:35:31
Local clock offset: -0.032 ms
Remote clock offset: -2.635 ms

Below is generated by plot.py at 2019-05-30 07:56:58
Datalink statistics
-- Total of 1 flow:
Average throughput: 88.17 Mbit/s
95th percentile per-packet one-way delay: 56.204 ms
Loss rate: 0.26%
-- Flow 1:
Average throughput: 88.17 Mbit/s
95th percentile per-packet one-way delay: 56.204 ms
Loss rate: 0.26%

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



Run 1: Statistics of TCP Vegas

Start at: 2019-05-30 05:51:22
End at: 2019-05-30 05:51:52
Local clock offset: 0.538 ms
Remote clock offset: -2.671 ms

Below is generated by plot.py at 2019-05-30 07:56:58

Datalink statistics

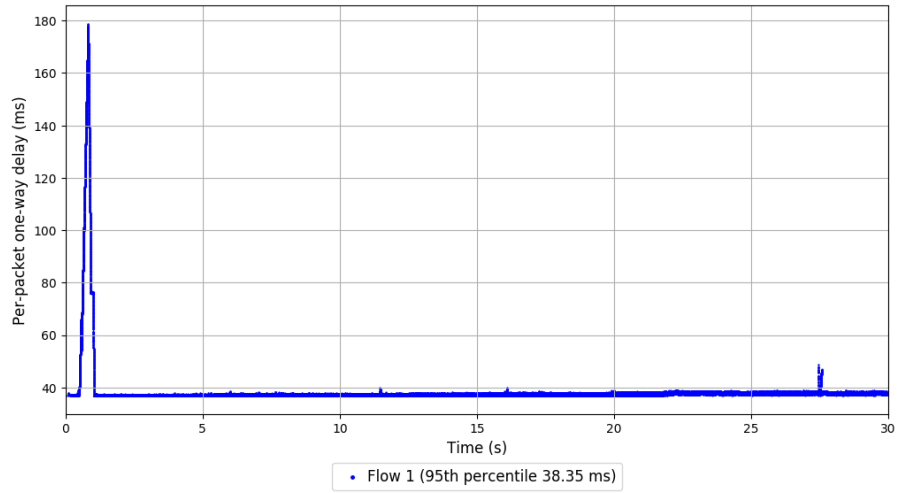
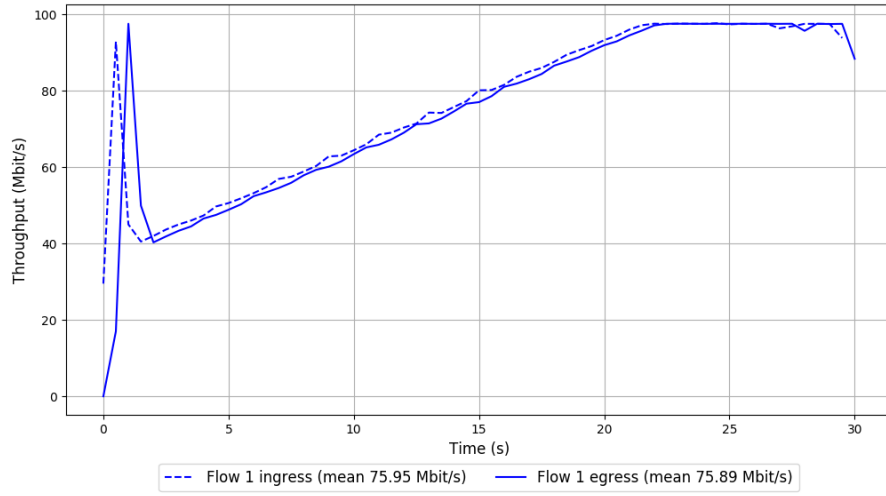
-- Total of 1 flow:

Average throughput: 75.89 Mbit/s
95th percentile per-packet one-way delay: 38.351 ms
Loss rate: 0.28%

-- Flow 1:

Average throughput: 75.89 Mbit/s
95th percentile per-packet one-way delay: 38.351 ms
Loss rate: 0.28%

Run 1: Report of TCP Vegas — Data Link



Run 2: Statistics of TCP Vegas

Start at: 2019-05-30 06:17:12

End at: 2019-05-30 06:17:42

Local clock offset: 0.332 ms

Remote clock offset: -1.86 ms

Below is generated by plot.py at 2019-05-30 07:56:58

Datalink statistics

-- Total of 1 flow:

Average throughput: 86.90 Mbit/s

95th percentile per-packet one-way delay: 38.727 ms

Loss rate: 0.25%

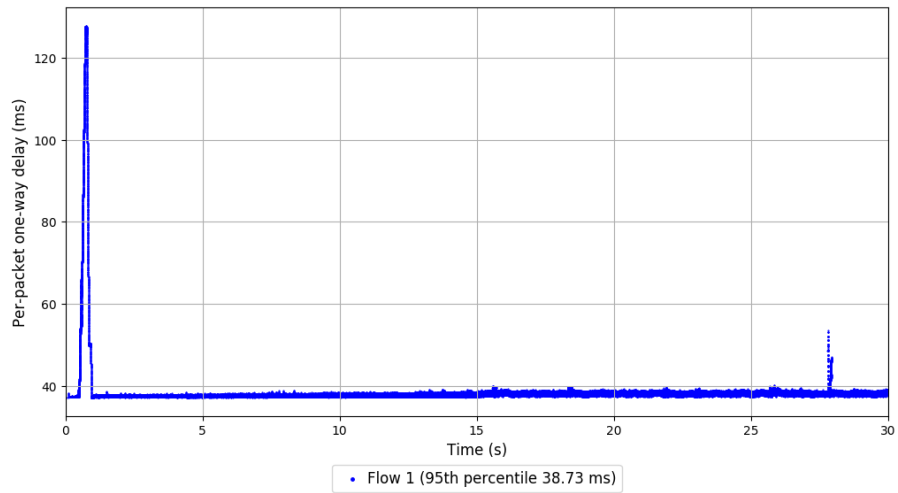
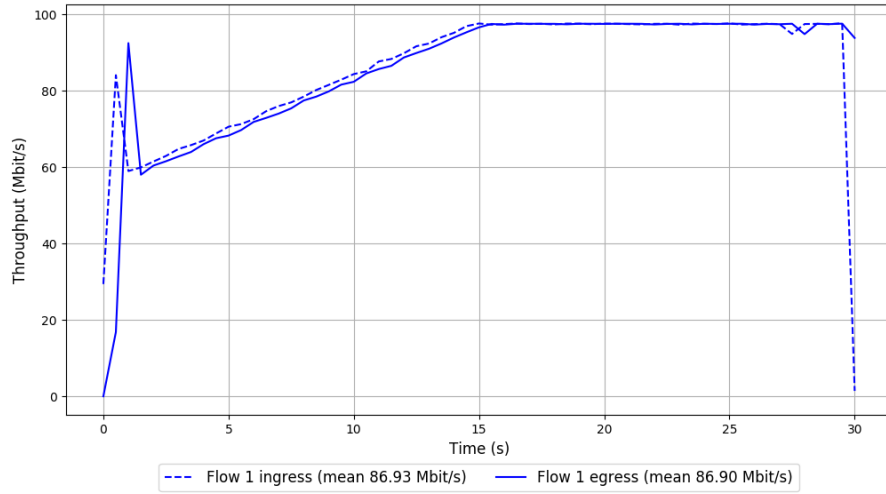
-- Flow 1:

Average throughput: 86.90 Mbit/s

95th percentile per-packet one-way delay: 38.727 ms

Loss rate: 0.25%

Run 2: Report of TCP Vegas — Data Link



Run 3: Statistics of TCP Vegas

Start at: 2019-05-30 06:42:03

End at: 2019-05-30 06:42:33

Local clock offset: 0.7 ms

Remote clock offset: -3.37 ms

Below is generated by plot.py at 2019-05-30 07:56:58

Datalink statistics

-- Total of 1 flow:

Average throughput: 76.31 Mbit/s

95th percentile per-packet one-way delay: 41.010 ms

Loss rate: 0.28%

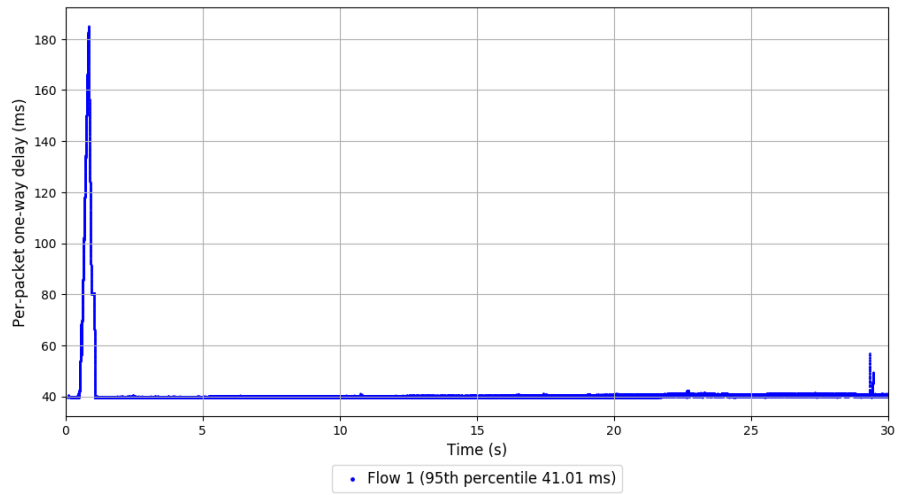
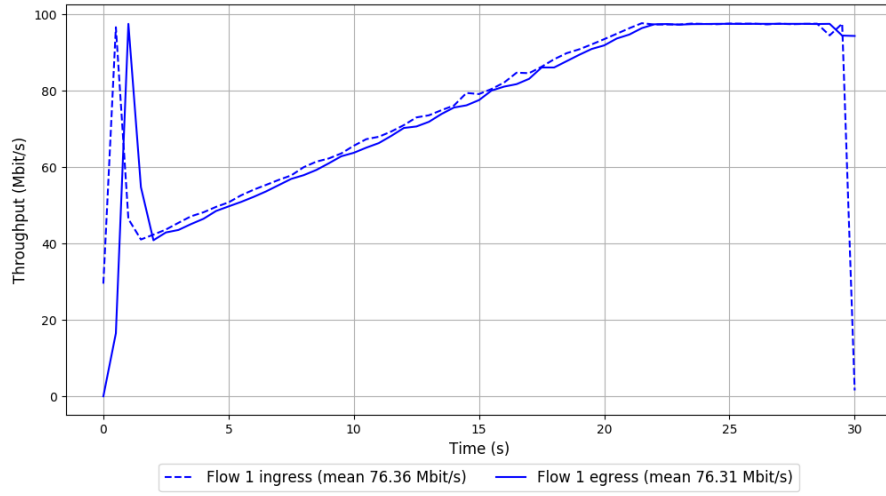
-- Flow 1:

Average throughput: 76.31 Mbit/s

95th percentile per-packet one-way delay: 41.010 ms

Loss rate: 0.28%

Run 3: Report of TCP Vegas — Data Link



Run 4: Statistics of TCP Vegas

Start at: 2019-05-30 07:06:52

End at: 2019-05-30 07:07:22

Local clock offset: 1.685 ms

Remote clock offset: -2.901 ms

Below is generated by plot.py at 2019-05-30 07:56:58

Datalink statistics

-- Total of 1 flow:

Average throughput: 80.44 Mbit/s

95th percentile per-packet one-way delay: 45.812 ms

Loss rate: 0.30%

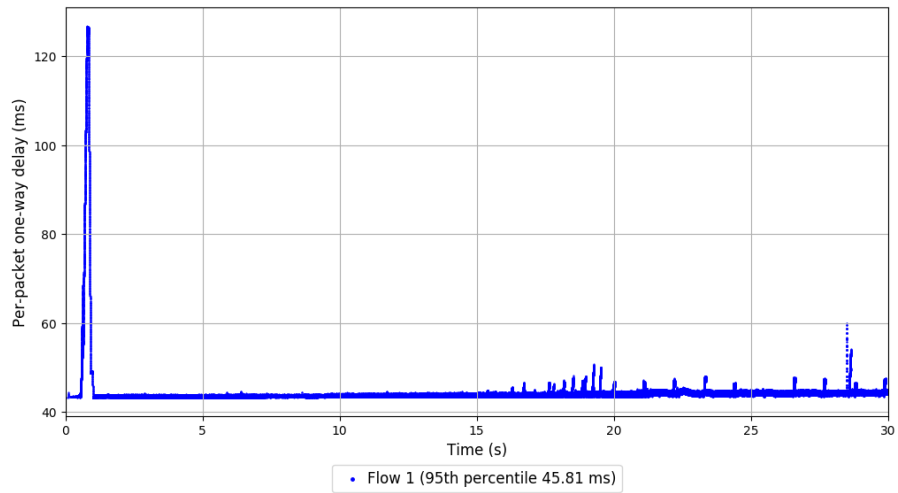
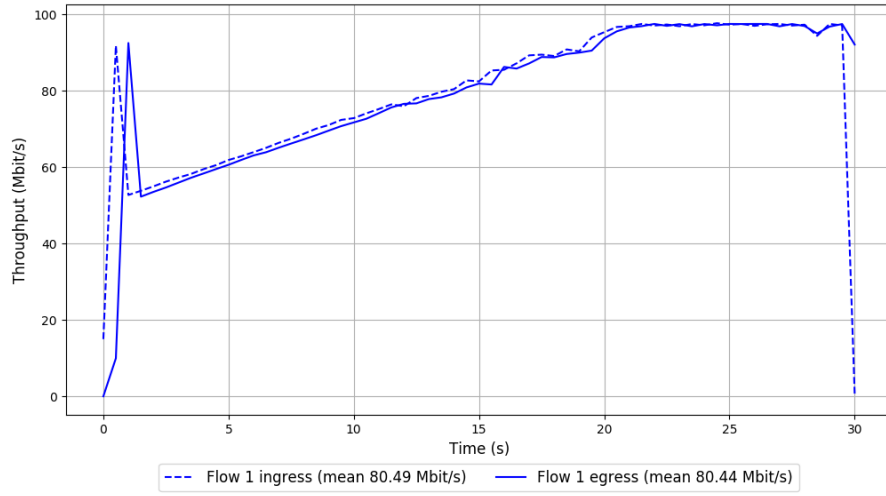
-- Flow 1:

Average throughput: 80.44 Mbit/s

95th percentile per-packet one-way delay: 45.812 ms

Loss rate: 0.30%

Run 4: Report of TCP Vegas — Data Link



Run 5: Statistics of TCP Vegas

Start at: 2019-05-30 07:31:31
End at: 2019-05-30 07:32:01
Local clock offset: -0.002 ms
Remote clock offset: -2.642 ms

Below is generated by plot.py at 2019-05-30 07:56:58

Datalink statistics

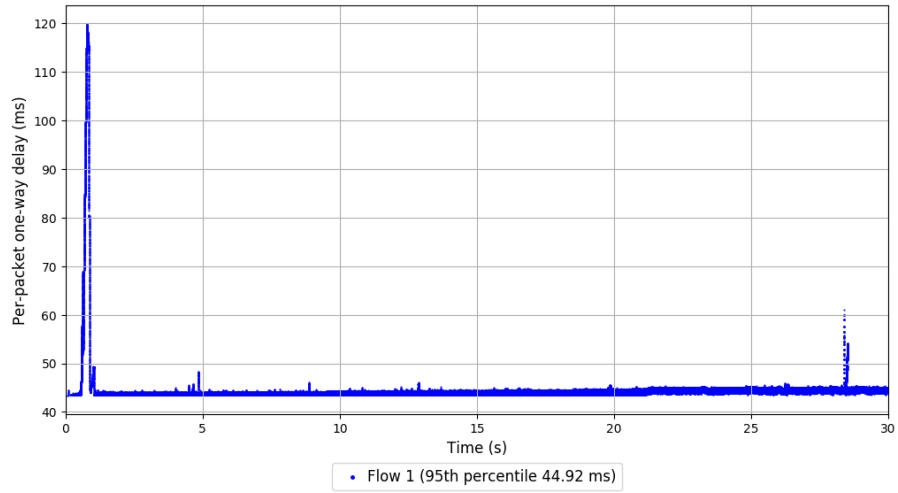
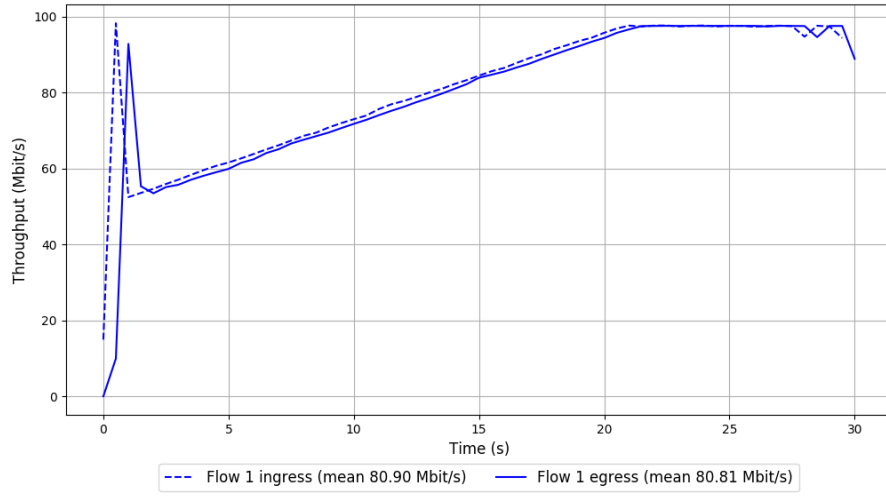
-- Total of 1 flow:

Average throughput: 80.81 Mbit/s
95th percentile per-packet one-way delay: 44.919 ms
Loss rate: 0.35%

-- Flow 1:

Average throughput: 80.81 Mbit/s
95th percentile per-packet one-way delay: 44.919 ms
Loss rate: 0.35%

Run 5: Report of TCP Vegas — Data Link

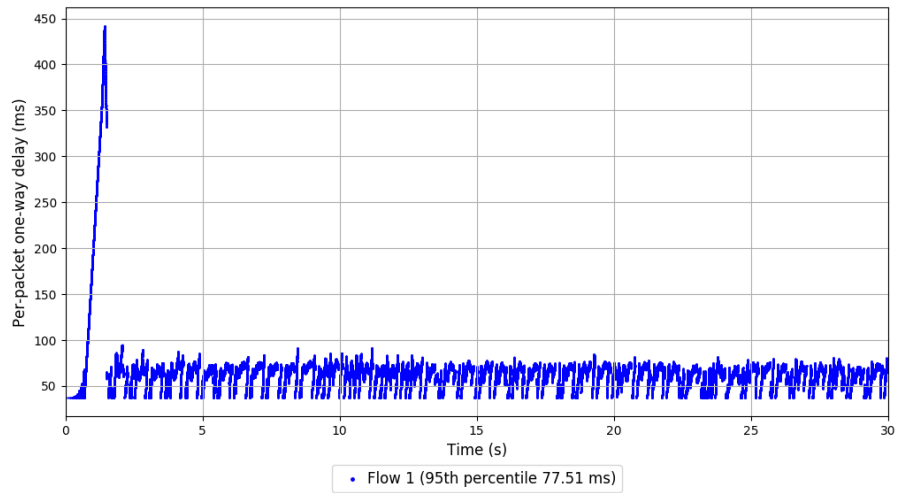
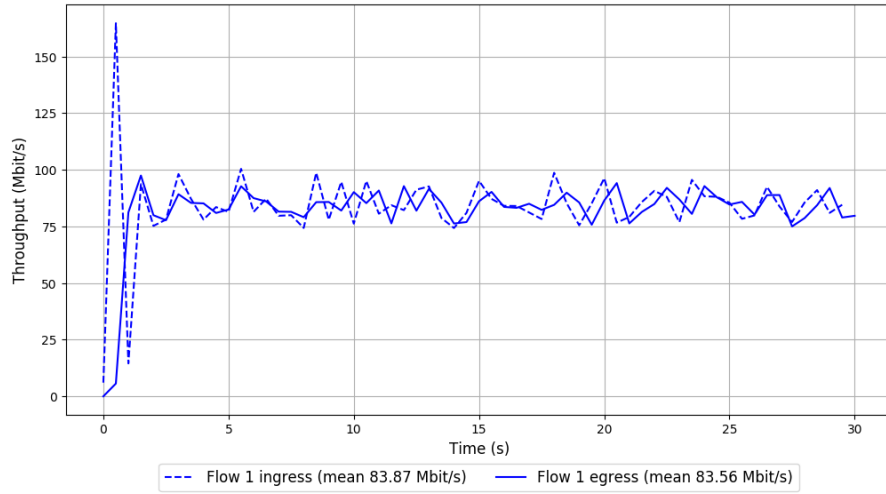


Run 1: Statistics of Verus

Start at: 2019-05-30 05:41:33
End at: 2019-05-30 05:42:03
Local clock offset: 0.456 ms
Remote clock offset: -2.921 ms

Below is generated by plot.py at 2019-05-30 07:57:01
Datalink statistics
-- Total of 1 flow:
Average throughput: 83.56 Mbit/s
95th percentile per-packet one-way delay: 77.512 ms
Loss rate: 0.58%
-- Flow 1:
Average throughput: 83.56 Mbit/s
95th percentile per-packet one-way delay: 77.512 ms
Loss rate: 0.58%

Run 1: Report of Verus — Data Link



Run 2: Statistics of Verus

Start at: 2019-05-30 06:07:34

End at: 2019-05-30 06:08:04

Local clock offset: 0.671 ms

Remote clock offset: -2.287 ms

Below is generated by plot.py at 2019-05-30 07:57:29

Datalink statistics

-- Total of 1 flow:

Average throughput: 85.26 Mbit/s

95th percentile per-packet one-way delay: 79.158 ms

Loss rate: 0.44%

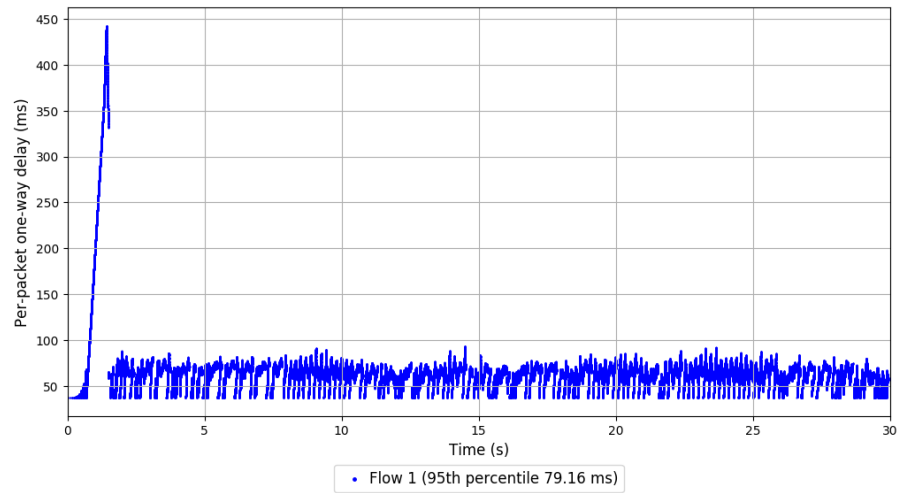
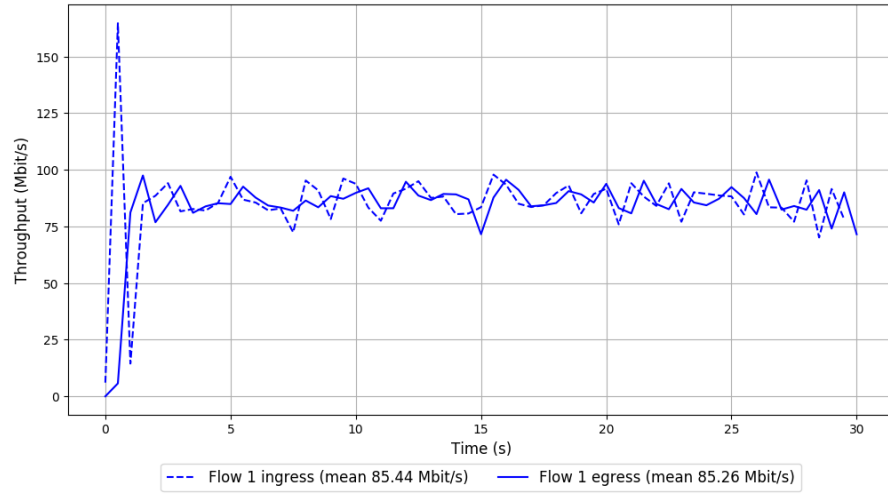
-- Flow 1:

Average throughput: 85.26 Mbit/s

95th percentile per-packet one-way delay: 79.158 ms

Loss rate: 0.44%

Run 2: Report of Verus — Data Link

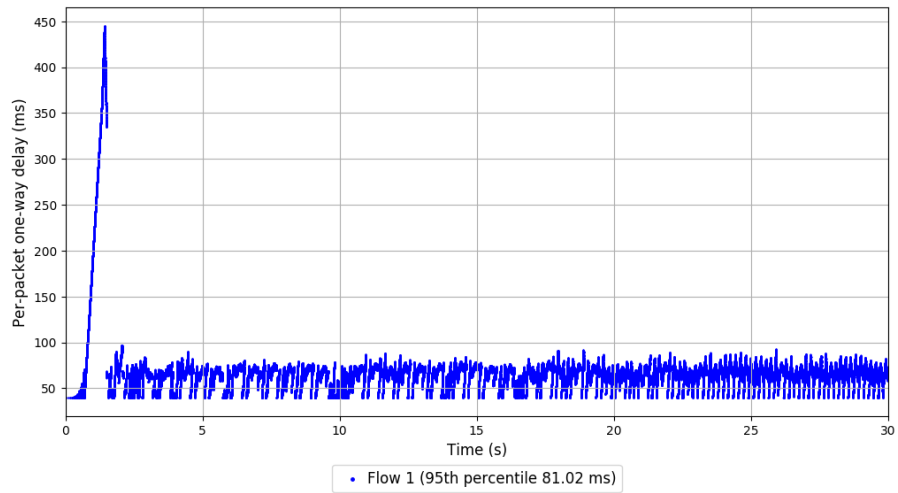
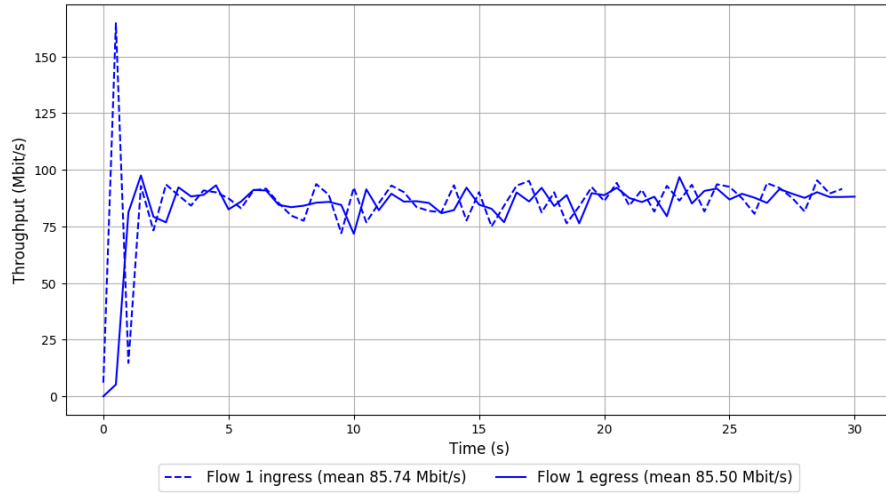


Run 3: Statistics of Verus

Start at: 2019-05-30 06:32:35
End at: 2019-05-30 06:33:05
Local clock offset: 0.194 ms
Remote clock offset: -3.672 ms

```
# Below is generated by plot.py at 2019-05-30 07:57:31
# Datalink statistics
-- Total of 1 flow:
Average throughput: 85.50 Mbit/s
95th percentile per-packet one-way delay: 81.023 ms
Loss rate: 0.48%
-- Flow 1:
Average throughput: 85.50 Mbit/s
95th percentile per-packet one-way delay: 81.023 ms
Loss rate: 0.48%
```

Run 3: Report of Verus — Data Link



Run 4: Statistics of Verus

Start at: 2019-05-30 06:57:21

End at: 2019-05-30 06:57:51

Local clock offset: 1.448 ms

Remote clock offset: -3.25 ms

Below is generated by plot.py at 2019-05-30 07:57:33

Datalink statistics

-- Total of 1 flow:

Average throughput: 85.60 Mbit/s

95th percentile per-packet one-way delay: 81.578 ms

Loss rate: 0.35%

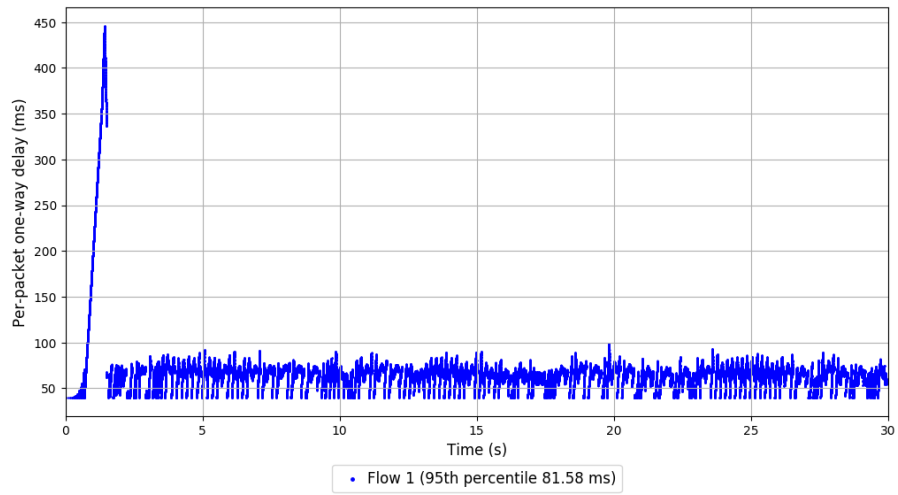
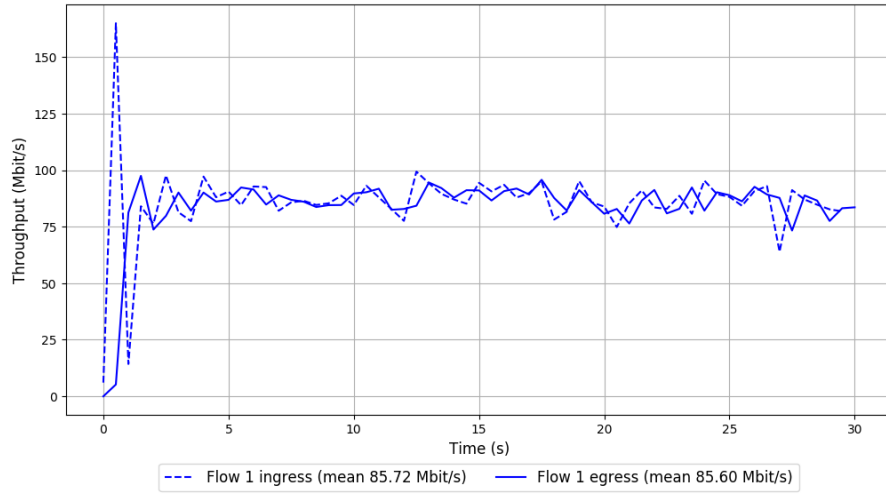
-- Flow 1:

Average throughput: 85.60 Mbit/s

95th percentile per-packet one-way delay: 81.578 ms

Loss rate: 0.35%

Run 4: Report of Verus — Data Link



Run 5: Statistics of Verus

Start at: 2019-05-30 07:22:08

End at: 2019-05-30 07:22:38

Local clock offset: 0.302 ms

Remote clock offset: -2.645 ms

Below is generated by plot.py at 2019-05-30 07:57:33

Datalink statistics

-- Total of 1 flow:

Average throughput: 79.43 Mbit/s

95th percentile per-packet one-way delay: 88.430 ms

Loss rate: 0.55%

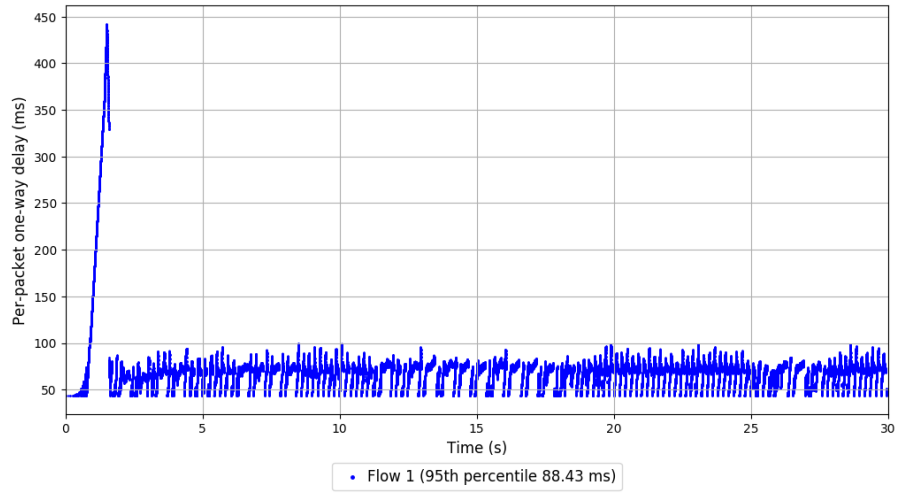
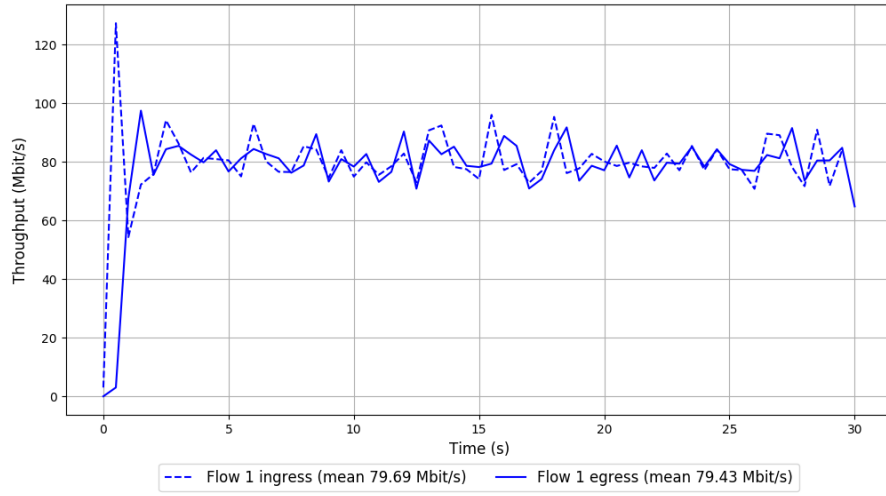
-- Flow 1:

Average throughput: 79.43 Mbit/s

95th percentile per-packet one-way delay: 88.430 ms

Loss rate: 0.55%

Run 5: Report of Verus — Data Link



Run 1: Statistics of PCC-Vivace

Start at: 2019-05-30 05:45:16

End at: 2019-05-30 05:45:46

Local clock offset: 0.486 ms

Remote clock offset: -2.867 ms

Below is generated by plot.py at 2019-05-30 07:57:56

Datalink statistics

-- Total of 1 flow:

Average throughput: 85.38 Mbit/s

95th percentile per-packet one-way delay: 38.250 ms

Loss rate: 0.24%

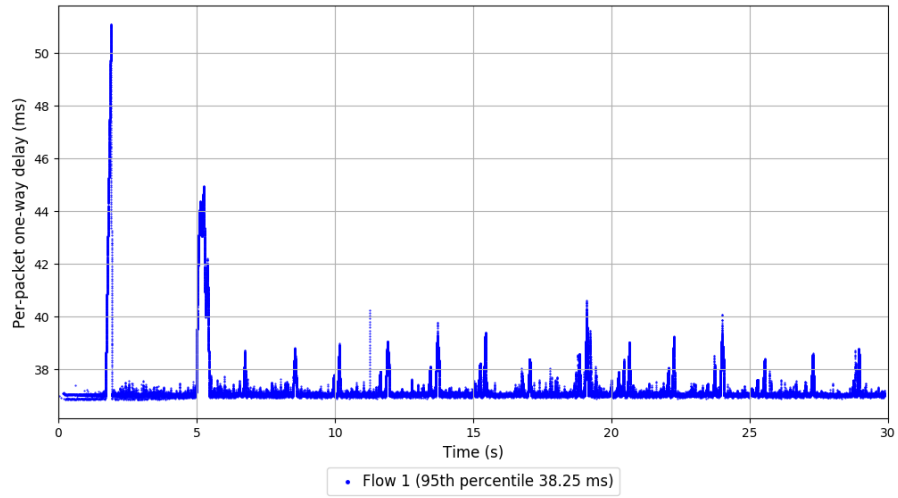
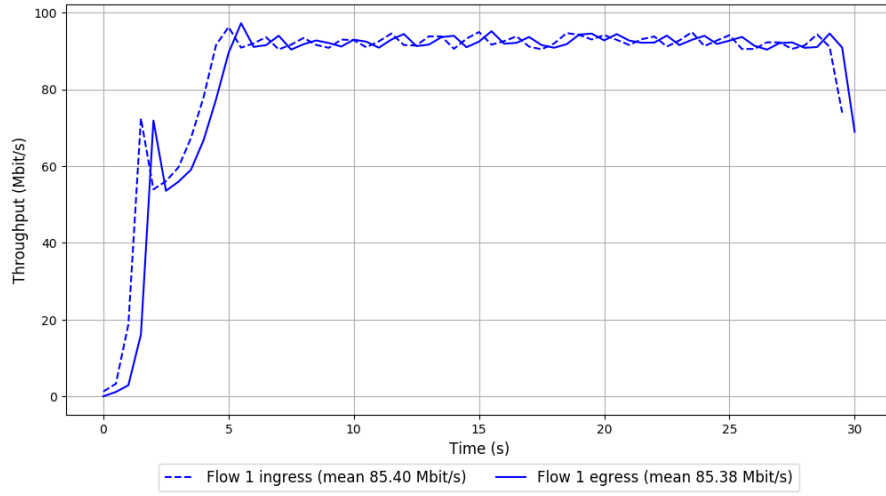
-- Flow 1:

Average throughput: 85.38 Mbit/s

95th percentile per-packet one-way delay: 38.250 ms

Loss rate: 0.24%

Run 1: Report of PCC-Vivace — Data Link



Run 2: Statistics of PCC-Vivace

Start at: 2019-05-30 06:11:17

End at: 2019-05-30 06:11:47

Local clock offset: 0.511 ms

Remote clock offset: -2.08 ms

Below is generated by plot.py at 2019-05-30 07:57:58

Datalink statistics

-- Total of 1 flow:

Average throughput: 84.69 Mbit/s

95th percentile per-packet one-way delay: 39.334 ms

Loss rate: 0.25%

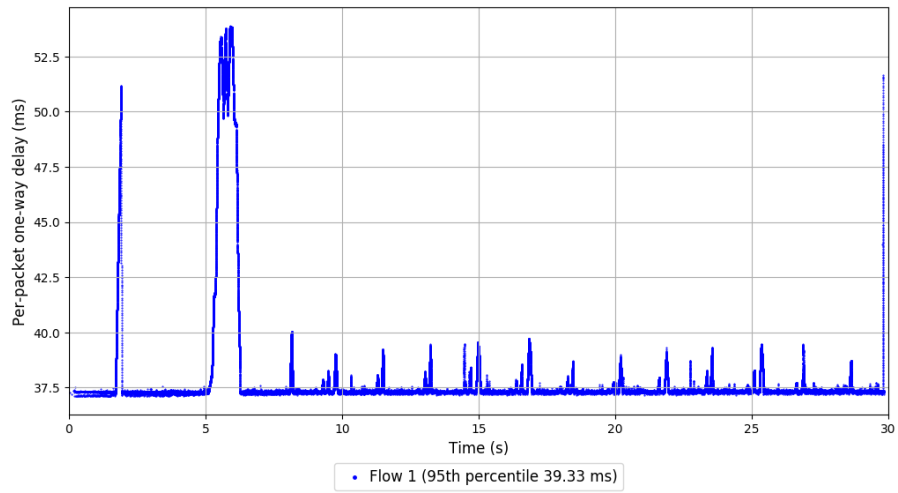
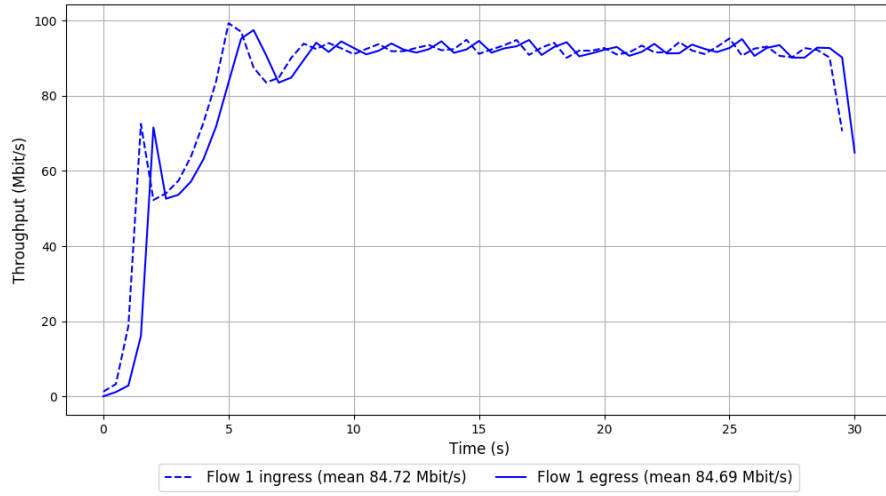
-- Flow 1:

Average throughput: 84.69 Mbit/s

95th percentile per-packet one-way delay: 39.334 ms

Loss rate: 0.25%

Run 2: Report of PCC-Vivace — Data Link



Run 3: Statistics of PCC-Vivace

Start at: 2019-05-30 06:36:16

End at: 2019-05-30 06:36:46

Local clock offset: 0.151 ms

Remote clock offset: -3.678 ms

Below is generated by plot.py at 2019-05-30 07:57:59

Datalink statistics

-- Total of 1 flow:

Average throughput: 85.56 Mbit/s

95th percentile per-packet one-way delay: 41.064 ms

Loss rate: 0.24%

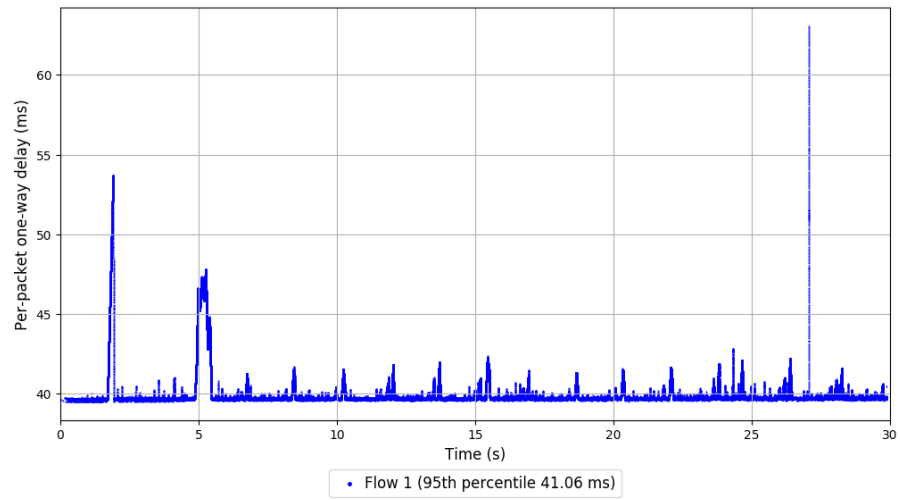
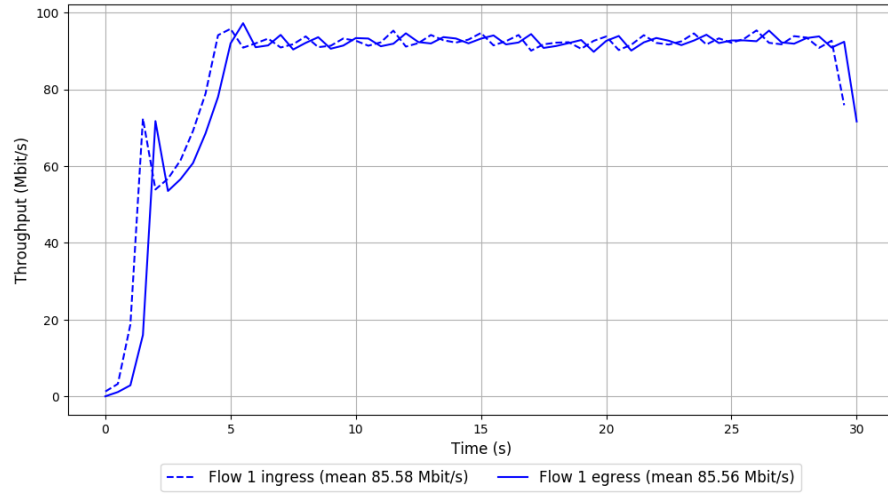
-- Flow 1:

Average throughput: 85.56 Mbit/s

95th percentile per-packet one-way delay: 41.064 ms

Loss rate: 0.24%

Run 3: Report of PCC-Vivace — Data Link



Run 4: Statistics of PCC-Vivace

Start at: 2019-05-30 07:01:04

End at: 2019-05-30 07:01:34

Local clock offset: 1.499 ms

Remote clock offset: -2.891 ms

Below is generated by plot.py at 2019-05-30 07:57:59

Datalink statistics

-- Total of 1 flow:

Average throughput: 84.83 Mbit/s

95th percentile per-packet one-way delay: 41.805 ms

Loss rate: 0.23%

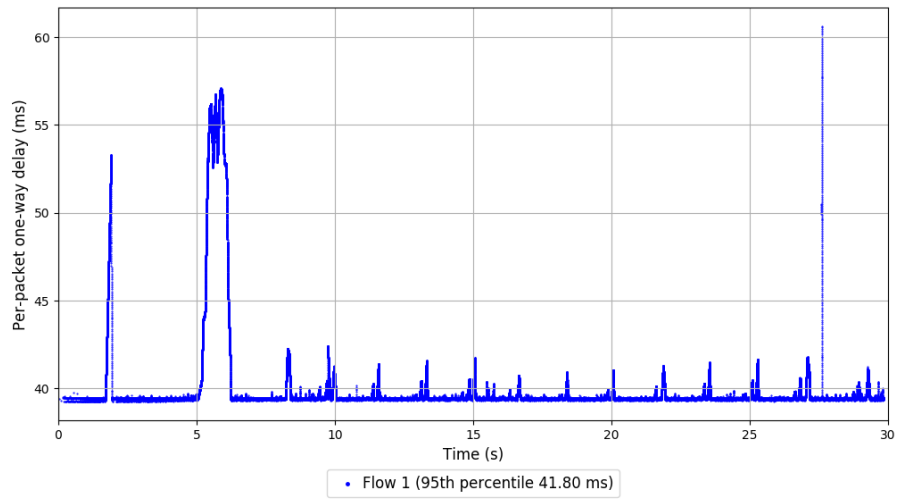
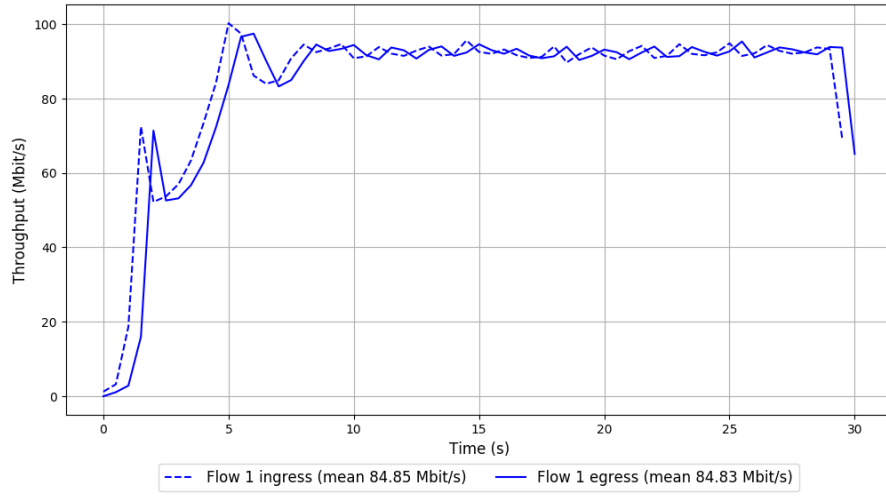
-- Flow 1:

Average throughput: 84.83 Mbit/s

95th percentile per-packet one-way delay: 41.805 ms

Loss rate: 0.23%

Run 4: Report of PCC-Vivace — Data Link



Run 5: Statistics of PCC-Vivace

Start at: 2019-05-30 07:25:41

End at: 2019-05-30 07:26:11

Local clock offset: 0.146 ms

Remote clock offset: -2.754 ms

Below is generated by plot.py at 2019-05-30 07:58:02

Datalink statistics

-- Total of 1 flow:

Average throughput: 84.27 Mbit/s

95th percentile per-packet one-way delay: 46.128 ms

Loss rate: 0.27%

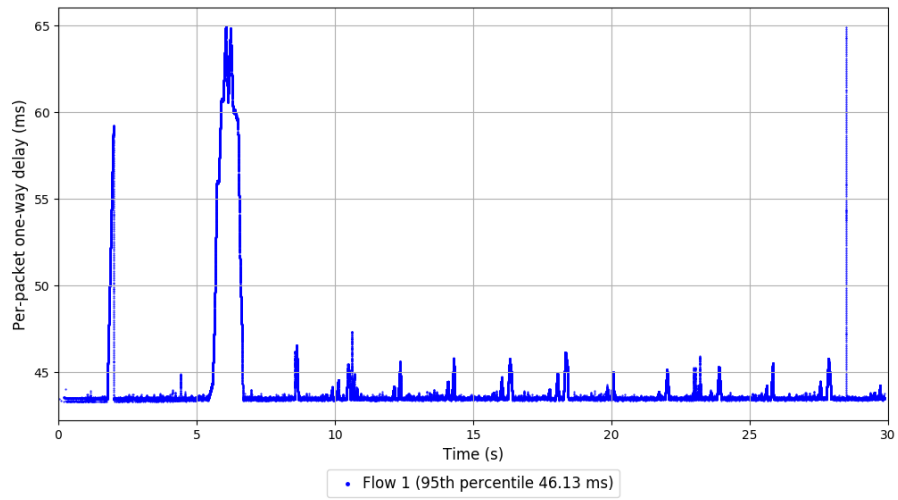
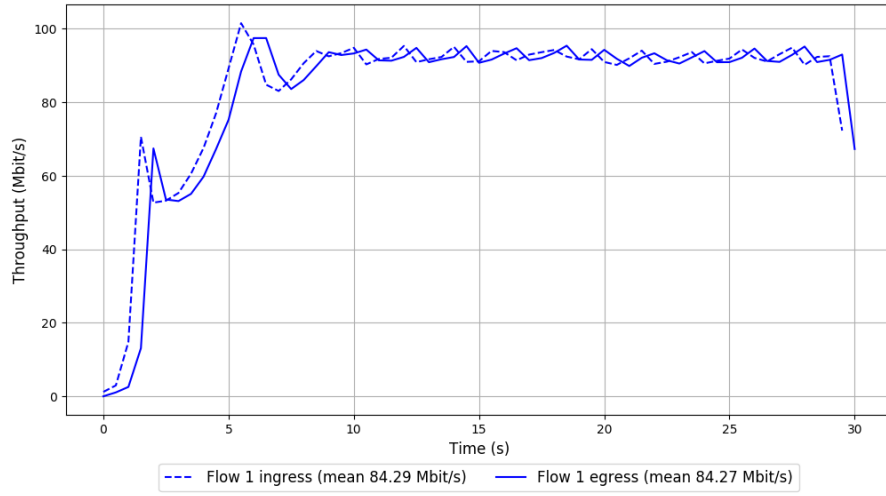
-- Flow 1:

Average throughput: 84.27 Mbit/s

95th percentile per-packet one-way delay: 46.128 ms

Loss rate: 0.27%

Run 5: Report of PCC-Vivace — Data Link

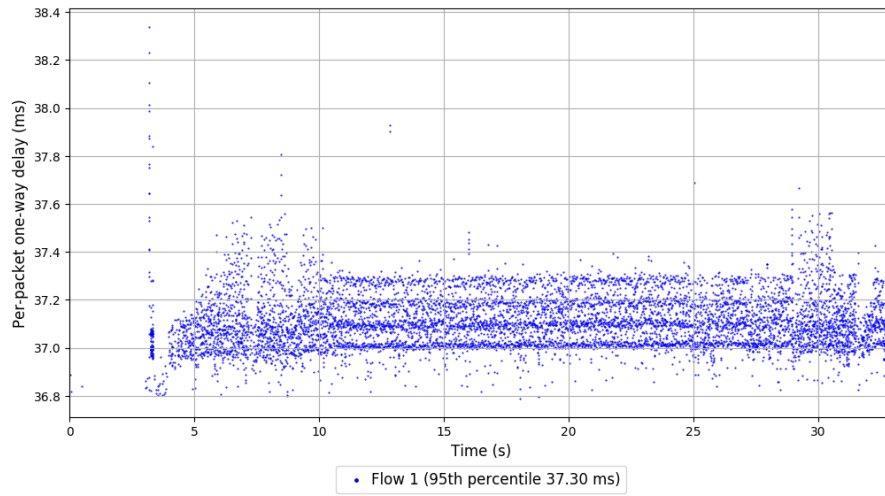
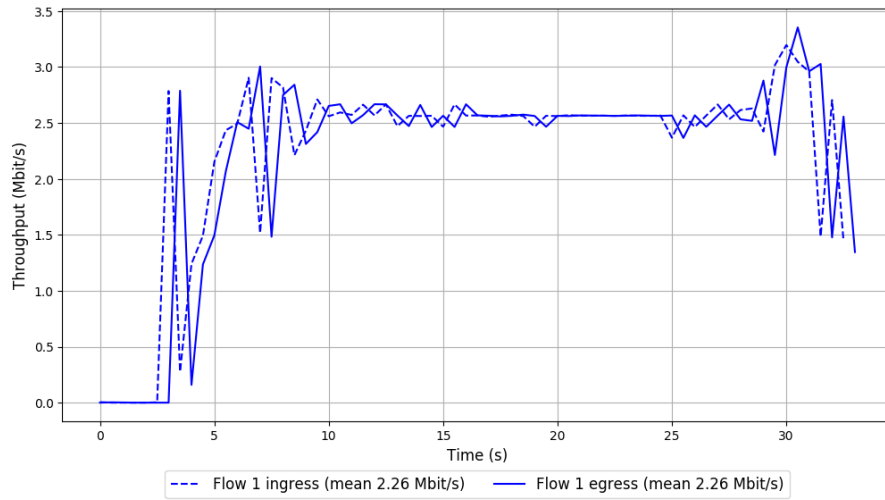


Run 1: Statistics of WebRTC media

Start at: 2019-05-30 05:56:19
End at: 2019-05-30 05:56:49
Local clock offset: 0.573 ms
Remote clock offset: -2.533 ms

Below is generated by plot.py at 2019-05-30 07:58:02
Datalink statistics
-- Total of 1 flow:
Average throughput: 2.26 Mbit/s
95th percentile per-packet one-way delay: 37.297 ms
Loss rate: 0.26%
-- Flow 1:
Average throughput: 2.26 Mbit/s
95th percentile per-packet one-way delay: 37.297 ms
Loss rate: 0.26%

Run 1: Report of WebRTC media — Data Link

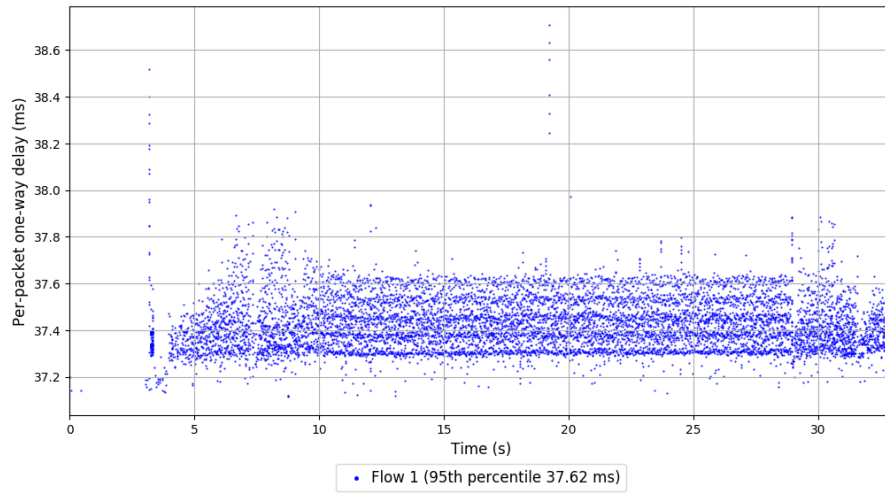
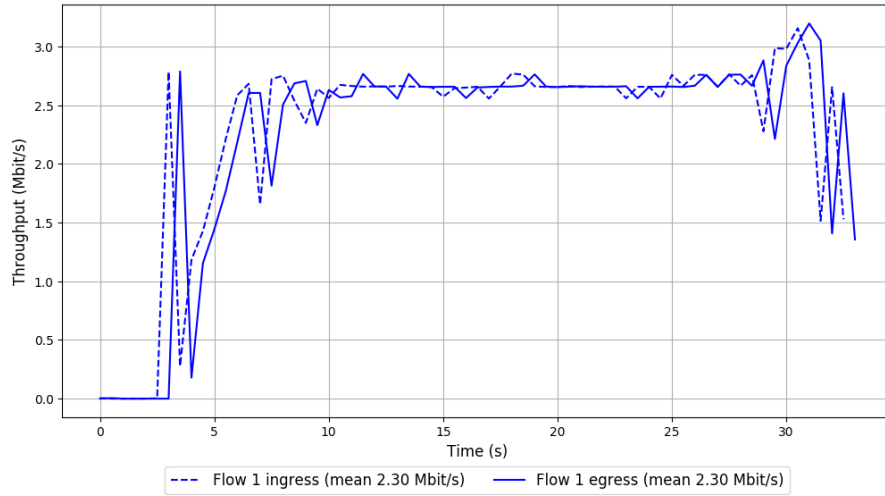


Run 2: Statistics of WebRTC media

Start at: 2019-05-30 06:21:55
End at: 2019-05-30 06:22:25
Local clock offset: 0.284 ms
Remote clock offset: -1.685 ms

Below is generated by plot.py at 2019-05-30 07:58:02
Datalink statistics
-- Total of 1 flow:
Average throughput: 2.30 Mbit/s
95th percentile per-packet one-way delay: 37.620 ms
Loss rate: 0.24%
-- Flow 1:
Average throughput: 2.30 Mbit/s
95th percentile per-packet one-way delay: 37.620 ms
Loss rate: 0.24%

Run 2: Report of WebRTC media — Data Link

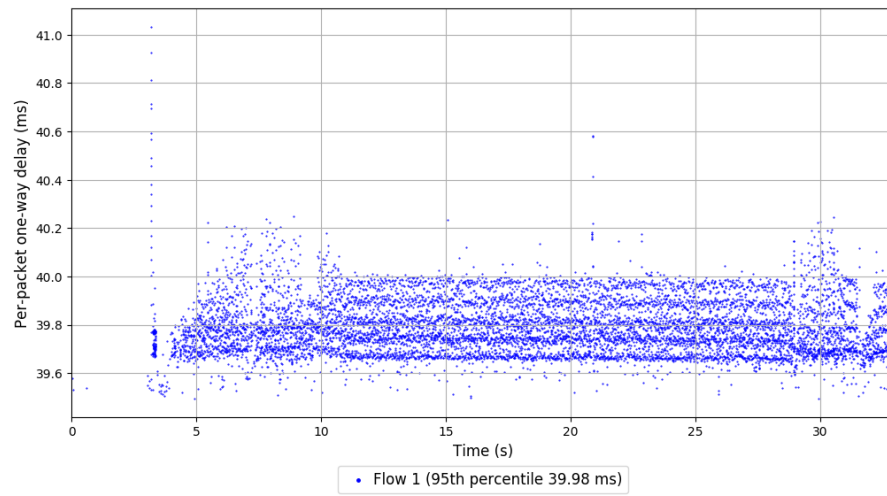
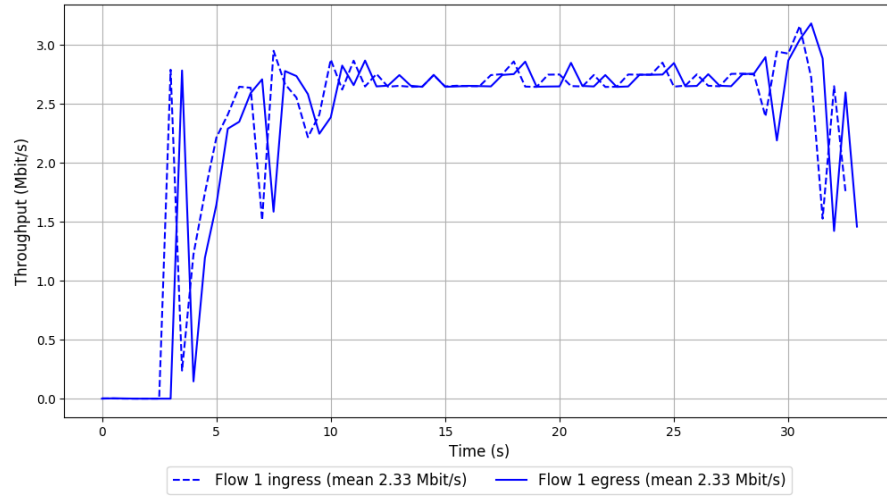


Run 3: Statistics of WebRTC media

Start at: 2019-05-30 06:46:46
End at: 2019-05-30 06:47:16
Local clock offset: 0.989 ms
Remote clock offset: -3.397 ms

Below is generated by plot.py at 2019-05-30 07:58:02
Datalink statistics
-- Total of 1 flow:
Average throughput: 2.33 Mbit/s
95th percentile per-packet one-way delay: 39.984 ms
Loss rate: 0.32%
-- Flow 1:
Average throughput: 2.33 Mbit/s
95th percentile per-packet one-way delay: 39.984 ms
Loss rate: 0.32%

Run 3: Report of WebRTC media — Data Link

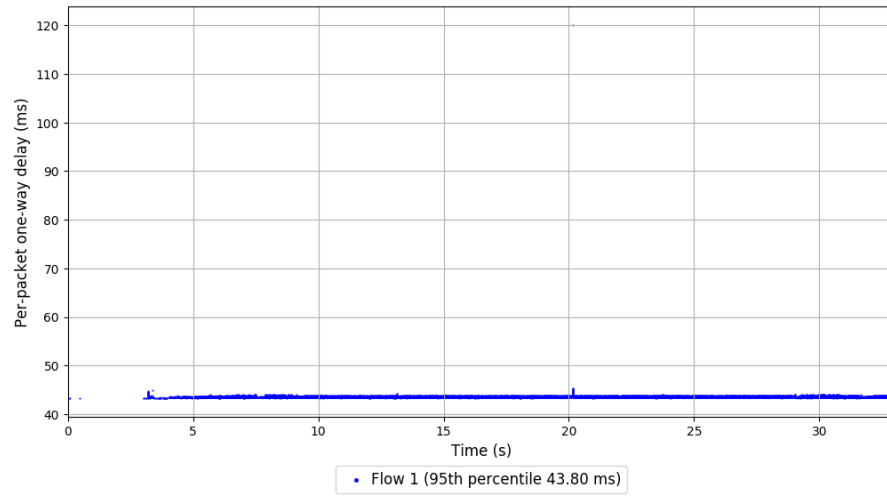
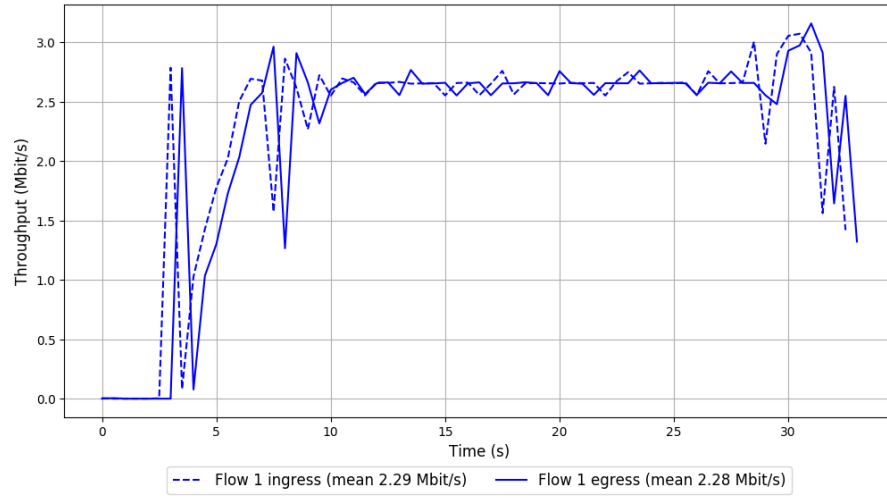


Run 4: Statistics of WebRTC media

Start at: 2019-05-30 07:11:36
End at: 2019-05-30 07:12:06
Local clock offset: 1.003 ms
Remote clock offset: -2.848 ms

```
# Below is generated by plot.py at 2019-05-30 07:58:02
# Datalink statistics
-- Total of 1 flow:
Average throughput: 2.28 Mbit/s
95th percentile per-packet one-way delay: 43.795 ms
Loss rate: 0.25%
-- Flow 1:
Average throughput: 2.28 Mbit/s
95th percentile per-packet one-way delay: 43.795 ms
Loss rate: 0.25%
```

Run 4: Report of WebRTC media — Data Link



Run 5: Statistics of WebRTC media

Start at: 2019-05-30 07:36:16
End at: 2019-05-30 07:36:46
Local clock offset: -0.085 ms
Remote clock offset: -2.667 ms

Below is generated by plot.py at 2019-05-30 07:58:02
Datalink statistics
-- Total of 1 flow:
Average throughput: 2.24 Mbit/s
95th percentile per-packet one-way delay: 43.807 ms
Loss rate: 0.31%
-- Flow 1:
Average throughput: 2.24 Mbit/s
95th percentile per-packet one-way delay: 43.807 ms
Loss rate: 0.31%

Run 5: Report of WebRTC media — Data Link

