

Pantheon Report

Generated at 2019-03-19 10:54:48 (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:

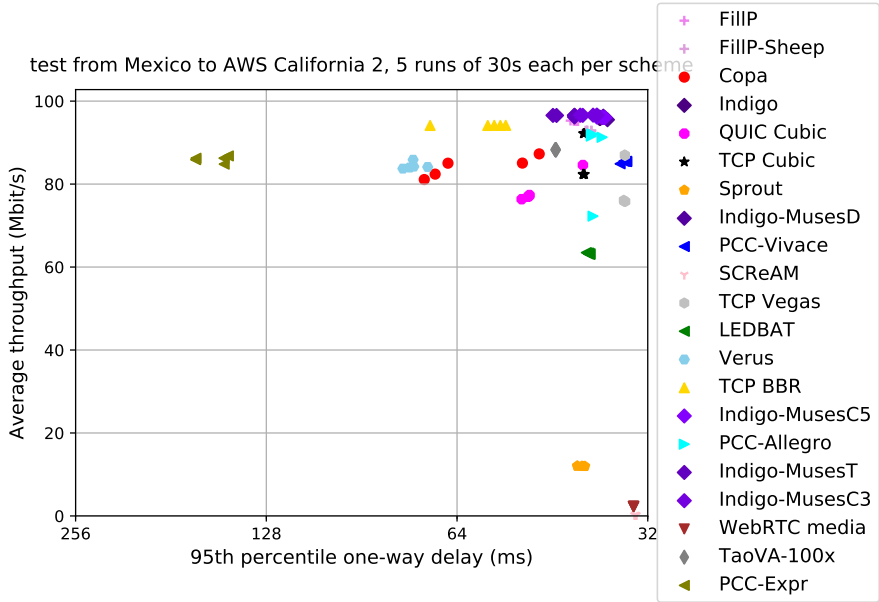
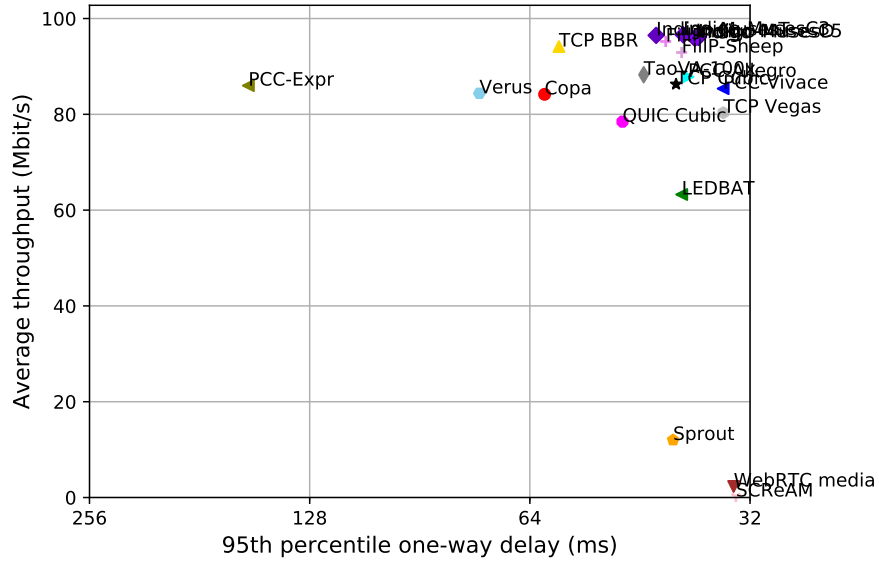
```
Linux 4.15.0-1033-aws
net.core.default_qdisc = fq
net.core.rmem_default = 16777216
net.core.rmem_max = 536870912
net.core.wmem_default = 16777216
net.core.wmem_max = 536870912
net.ipv4.tcp_rmem = 4096 16777216 536870912
net.ipv4.tcp_wmem = 4096 16777216 536870912
```

Git summary:

```
branch: muses @ 7a686f7c2ed0a333082c0bab1fa5c921ab47e6ee
third_party/fillp @ d6da1459332fcee56963885d7eba17e6a32d4519
third_party/fillp-sheep @ 0e5bb722943babcd2b090d2c64fcd45e12e923f9
third_party/genericCC @ d0153f8e594aa89e93b032143cedbdf58e562f4
third_party/indigo @ 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	94.16	58.40	0.48
Copa	5	84.18	61.10	0.28
TCP Cubic	5	86.29	40.39	0.31
FillP	5	95.21	41.73	0.26
FillP-Sheep	5	92.91	39.69	0.23
Indigo	5	95.89	38.07	0.22
Indigo-MusesC3	5	96.60	39.49	0.25
Indigo-MusesC5	5	96.11	37.97	0.24
Indigo-MusesD	5	96.06	37.67	0.24
Indigo-MusesT	5	96.48	43.01	1.01
LEDBAT	5	63.26	39.68	0.20
PCC-Allegro	5	87.83	38.90	0.24
PCC-Expr	5	85.99	155.26	0.31
QUIC Cubic	5	78.47	47.81	0.25
SReAM	5	0.21	33.46	0.26
Sprout	5	12.01	40.77	0.26
TaoVA-100x	5	88.27	44.73	0.22
TCP Vegas	5	80.33	34.81	0.27
Verus	5	84.38	75.03	0.49
PCC-Vivace	5	85.36	34.83	0.23
WebRTC media	5	2.30	33.70	0.26

Run 1: Statistics of TCP BBR

Start at: 2019-03-19 08:45:28

End at: 2019-03-19 08:45:58

Local clock offset: 0.056 ms

Remote clock offset: -2.692 ms

Below is generated by plot.py at 2019-03-19 10:41:11

Datalink statistics

-- Total of 1 flow:

Average throughput: 94.16 Mbit/s

95th percentile per-packet one-way delay: 54.676 ms

Loss rate: 0.44%

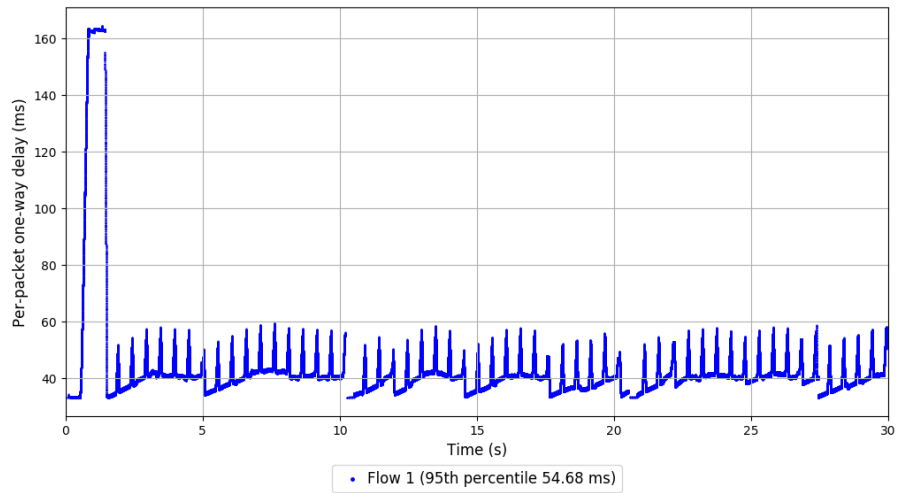
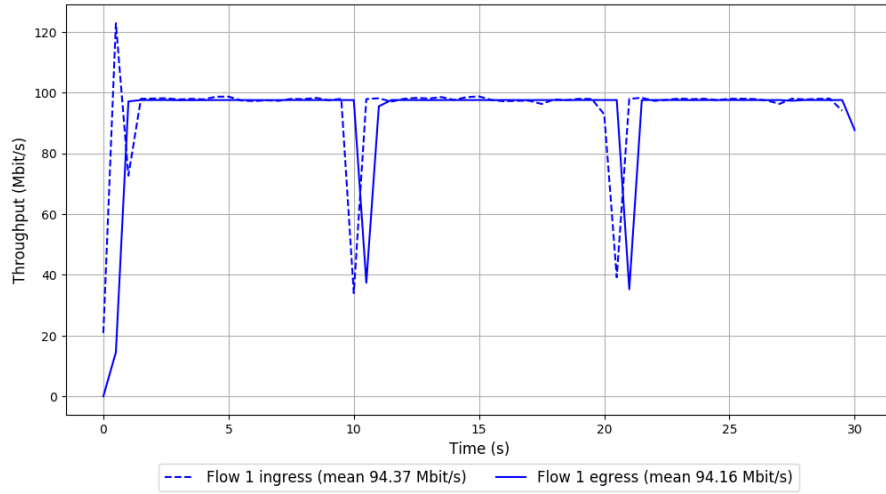
-- Flow 1:

Average throughput: 94.16 Mbit/s

95th percentile per-packet one-way delay: 54.676 ms

Loss rate: 0.44%

Run 1: Report of TCP BBR — Data Link



Run 2: Statistics of TCP BBR

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

End at: 2019-03-19 09:10:29

Local clock offset: 0.847 ms

Remote clock offset: -1.626 ms

Below is generated by plot.py at 2019-03-19 10:41:12

Datalink statistics

-- Total of 1 flow:

Average throughput: 94.17 Mbit/s

95th percentile per-packet one-way delay: 55.900 ms

Loss rate: 0.46%

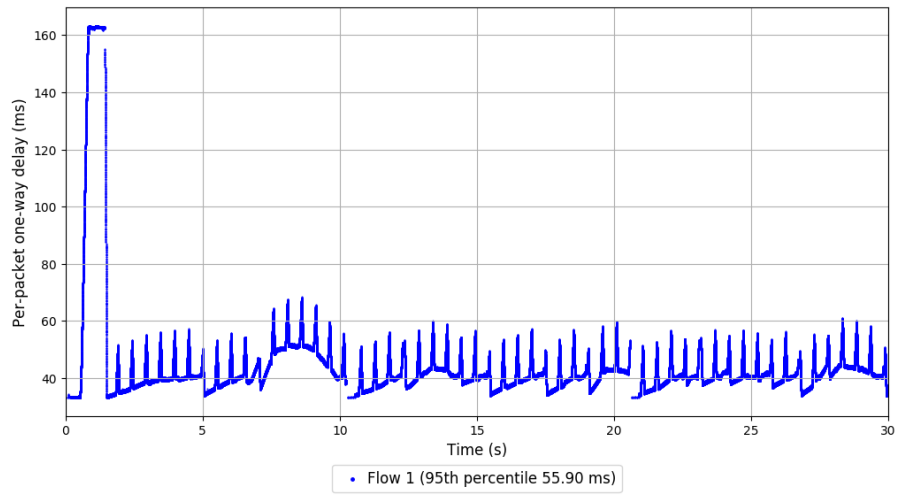
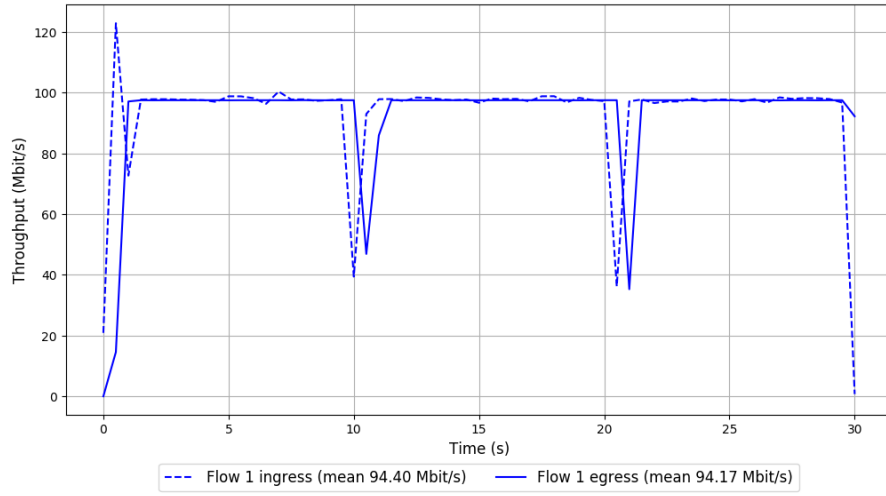
-- Flow 1:

Average throughput: 94.17 Mbit/s

95th percentile per-packet one-way delay: 55.900 ms

Loss rate: 0.46%

Run 2: Report of TCP BBR — Data Link



Run 3: Statistics of TCP BBR

Start at: 2019-03-19 09:34:31

End at: 2019-03-19 09:35:01

Local clock offset: 0.177 ms

Remote clock offset: -1.547 ms

Below is generated by plot.py at 2019-03-19 10:41:12

Datalink statistics

-- Total of 1 flow:

Average throughput: 94.14 Mbit/s

95th percentile per-packet one-way delay: 70.583 ms

Loss rate: 0.56%

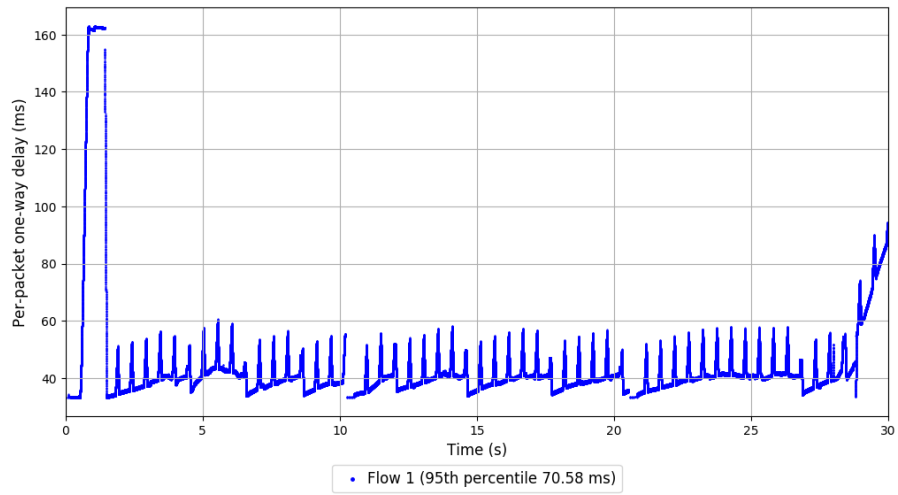
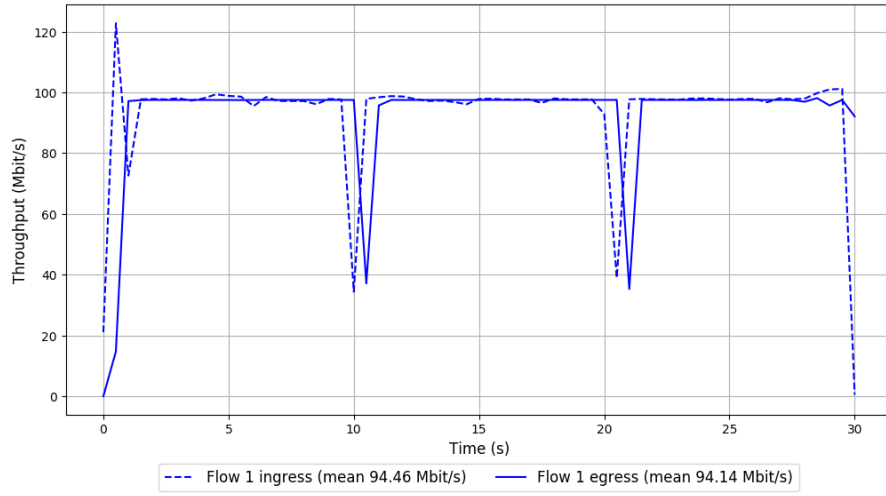
-- Flow 1:

Average throughput: 94.14 Mbit/s

95th percentile per-packet one-way delay: 70.583 ms

Loss rate: 0.56%

Run 3: Report of TCP BBR — Data Link

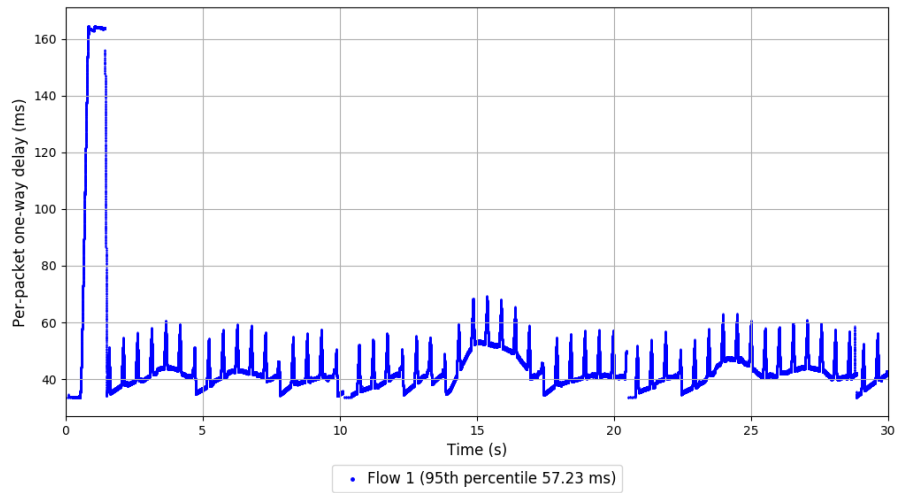
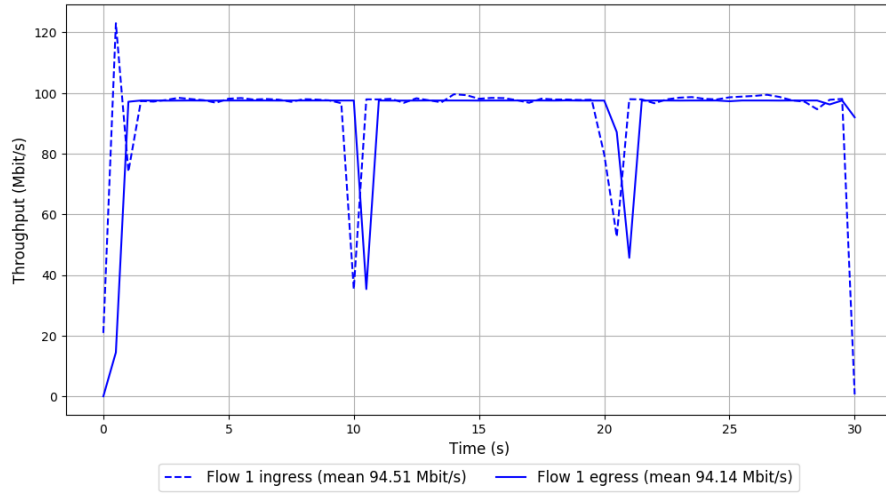


Run 4: Statistics of TCP BBR

Start at: 2019-03-19 09:59:02
End at: 2019-03-19 09:59:32
Local clock offset: -0.108 ms
Remote clock offset: -0.951 ms

Below is generated by plot.py at 2019-03-19 10:41:12
Datalink statistics
-- Total of 1 flow:
Average throughput: 94.14 Mbit/s
95th percentile per-packet one-way delay: 57.233 ms
Loss rate: 0.61%
-- Flow 1:
Average throughput: 94.14 Mbit/s
95th percentile per-packet one-way delay: 57.233 ms
Loss rate: 0.61%

Run 4: Report of TCP BBR — Data Link



Run 5: Statistics of TCP BBR

Start at: 2019-03-19 10:23:34

End at: 2019-03-19 10:24:04

Local clock offset: 0.089 ms

Remote clock offset: -0.661 ms

Below is generated by plot.py at 2019-03-19 10:41:12

Datalink statistics

-- Total of 1 flow:

Average throughput: 94.17 Mbit/s

95th percentile per-packet one-way delay: 53.623 ms

Loss rate: 0.34%

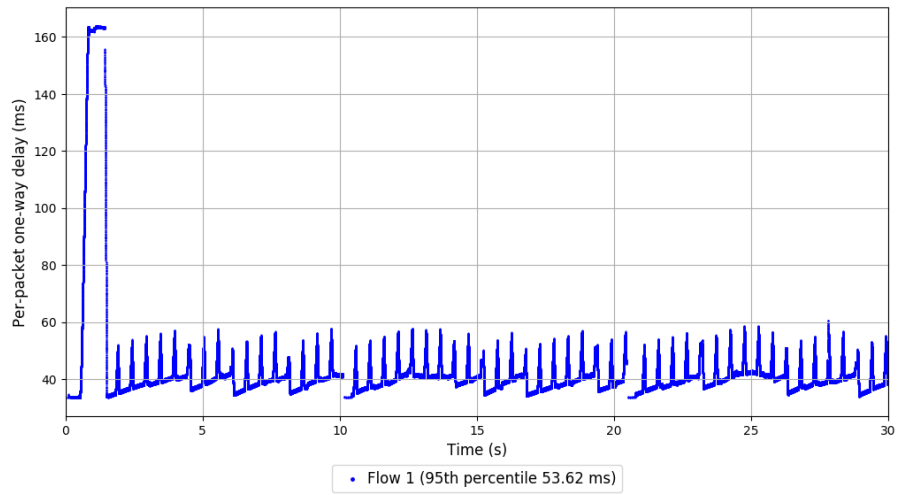
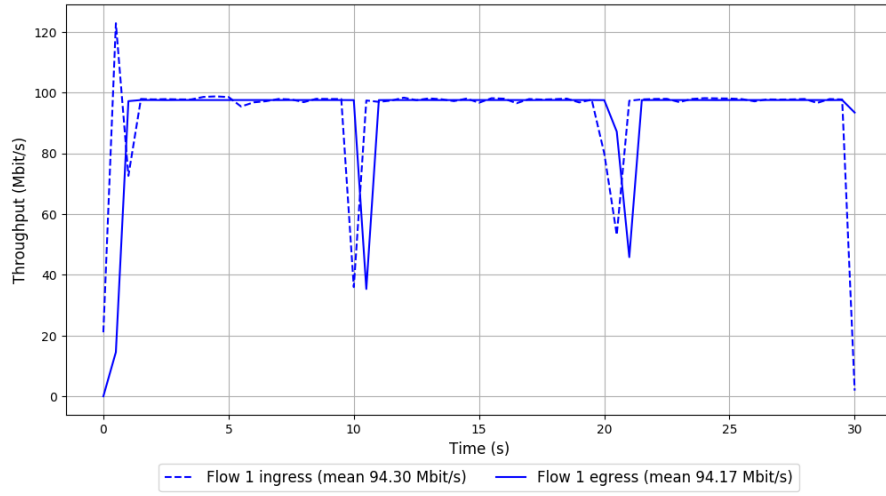
-- Flow 1:

Average throughput: 94.17 Mbit/s

95th percentile per-packet one-way delay: 53.623 ms

Loss rate: 0.34%

Run 5: Report of TCP BBR — Data Link

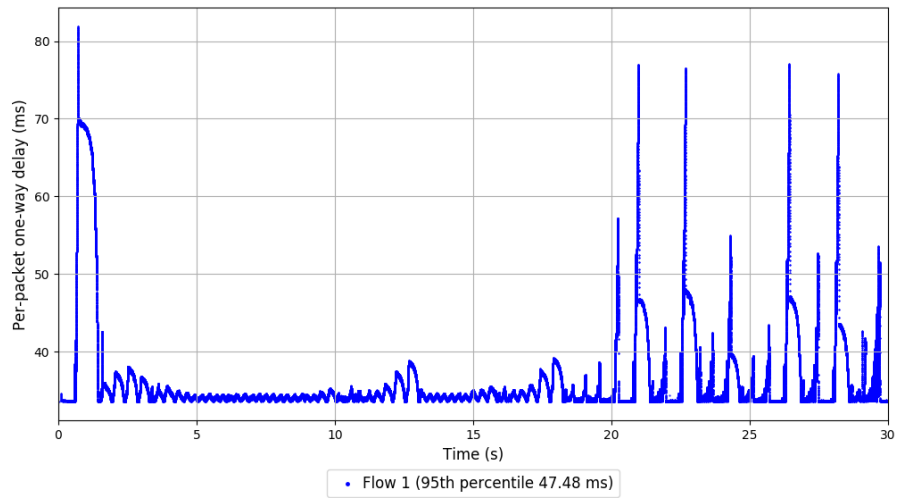
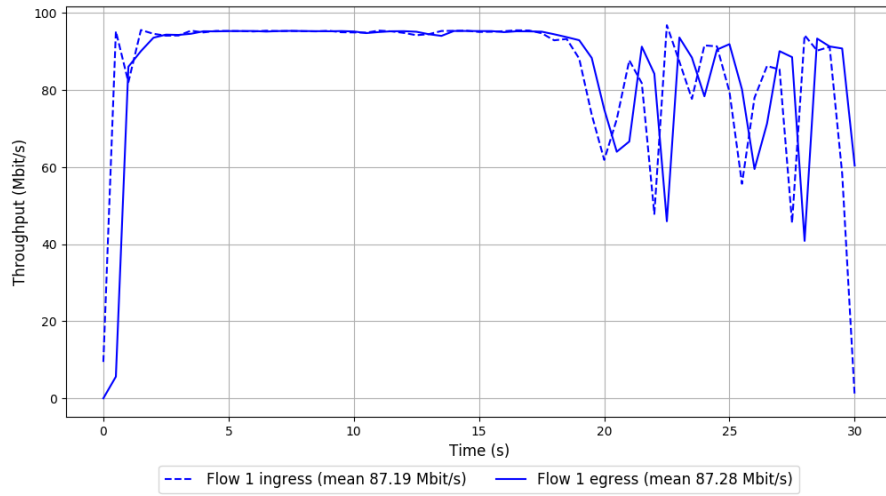


Run 1: Statistics of Copa

Start at: 2019-03-19 08:51:15
End at: 2019-03-19 08:51:45
Local clock offset: 0.399 ms
Remote clock offset: -2.775 ms

Below is generated by plot.py at 2019-03-19 10:42:10
Datalink statistics
-- Total of 1 flow:
Average throughput: 87.28 Mbit/s
95th percentile per-packet one-way delay: 47.476 ms
Loss rate: 0.11%
-- Flow 1:
Average throughput: 87.28 Mbit/s
95th percentile per-packet one-way delay: 47.476 ms
Loss rate: 0.11%

Run 1: Report of Copa — Data Link



Run 2: Statistics of Copa

Start at: 2019-03-19 09:15:46

End at: 2019-03-19 09:16:16

Local clock offset: 0.925 ms

Remote clock offset: -1.453 ms

Below is generated by plot.py at 2019-03-19 10:42:10

Datalink statistics

-- Total of 1 flow:

Average throughput: 81.10 Mbit/s

95th percentile per-packet one-way delay: 72.098 ms

Loss rate: 0.32%

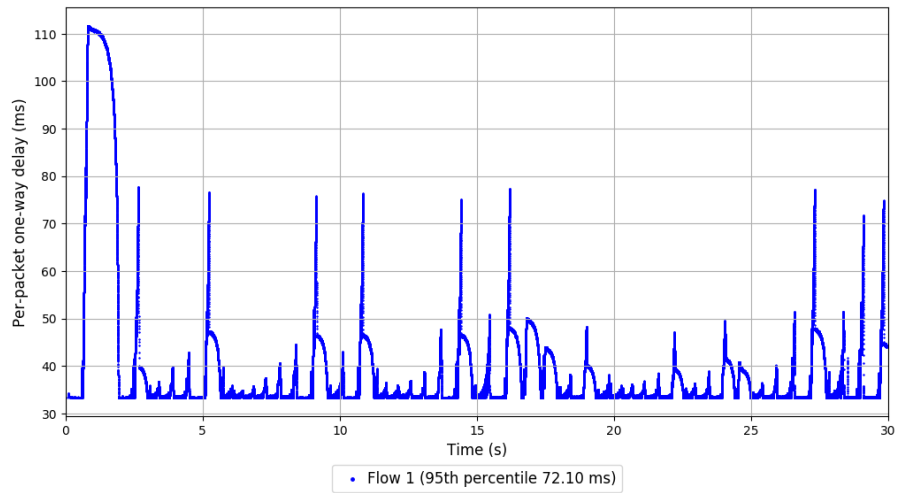
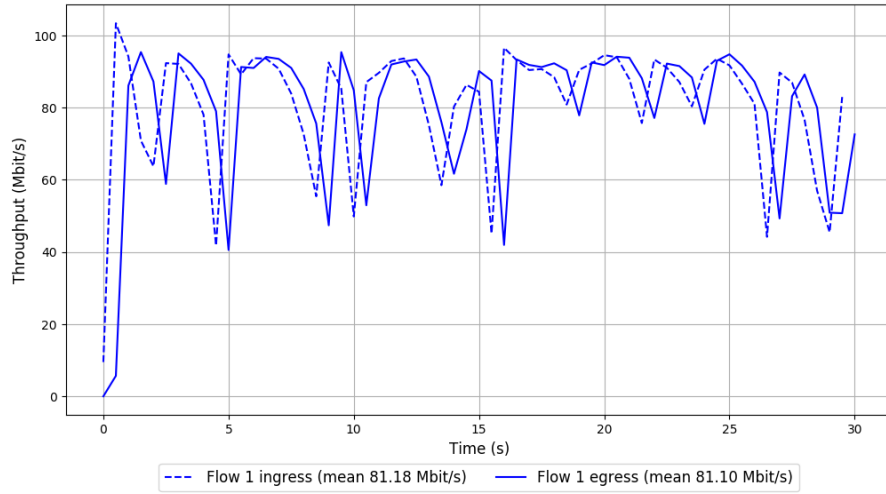
-- Flow 1:

Average throughput: 81.10 Mbit/s

95th percentile per-packet one-way delay: 72.098 ms

Loss rate: 0.32%

Run 2: Report of Copa — Data Link

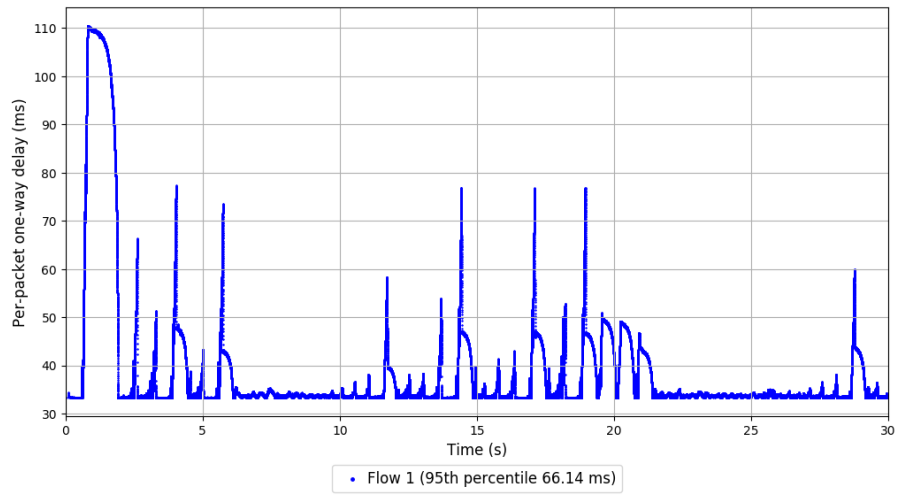
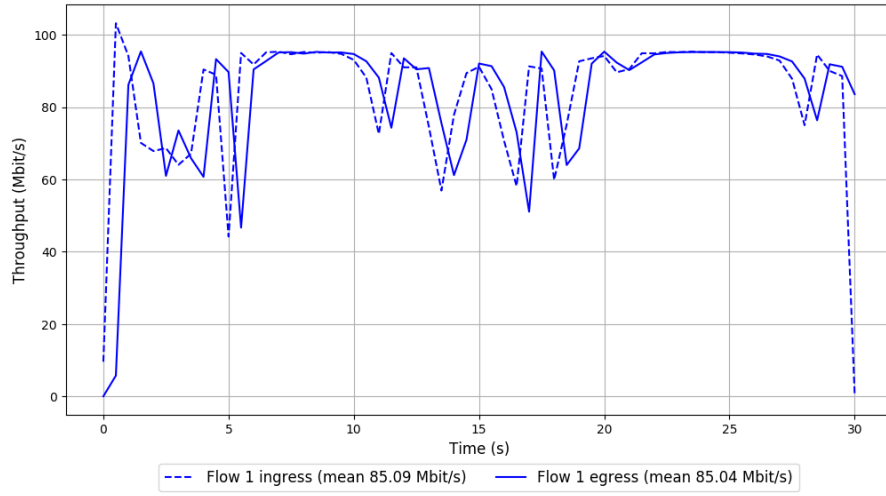


Run 3: Statistics of Copa

Start at: 2019-03-19 09:40:17
End at: 2019-03-19 09:40:47
Local clock offset: 0.123 ms
Remote clock offset: -1.371 ms

Below is generated by plot.py at 2019-03-19 10:42:10
Datalink statistics
-- Total of 1 flow:
Average throughput: 85.04 Mbit/s
95th percentile per-packet one-way delay: 66.142 ms
Loss rate: 0.27%
-- Flow 1:
Average throughput: 85.04 Mbit/s
95th percentile per-packet one-way delay: 66.142 ms
Loss rate: 0.27%

Run 3: Report of Copa — Data Link

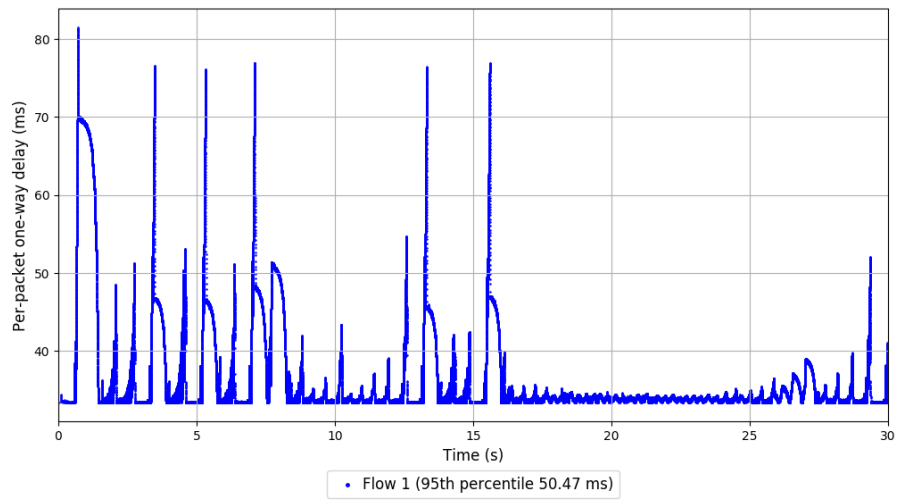
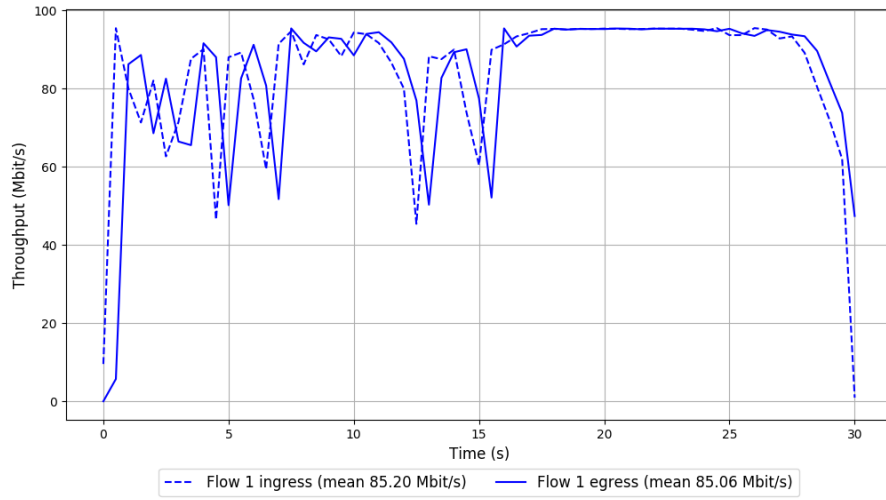


Run 4: Statistics of Copa

Start at: 2019-03-19 10:04:49
End at: 2019-03-19 10:05:19
Local clock offset: -0.164 ms
Remote clock offset: -0.761 ms

```
# Below is generated by plot.py at 2019-03-19 10:43:11
# Datalink statistics
-- Total of 1 flow:
Average throughput: 85.06 Mbit/s
95th percentile per-packet one-way delay: 50.466 ms
Loss rate: 0.38%
-- Flow 1:
Average throughput: 85.06 Mbit/s
95th percentile per-packet one-way delay: 50.466 ms
Loss rate: 0.38%
```

Run 4: Report of Copa — Data Link



Run 5: Statistics of Copa

Start at: 2019-03-19 10:29:20

End at: 2019-03-19 10:29:50

Local clock offset: 0.214 ms

Remote clock offset: -0.75 ms

Below is generated by plot.py at 2019-03-19 10:43:11

Datalink statistics

-- Total of 1 flow:

Average throughput: 82.40 Mbit/s

95th percentile per-packet one-way delay: 69.300 ms

Loss rate: 0.30%

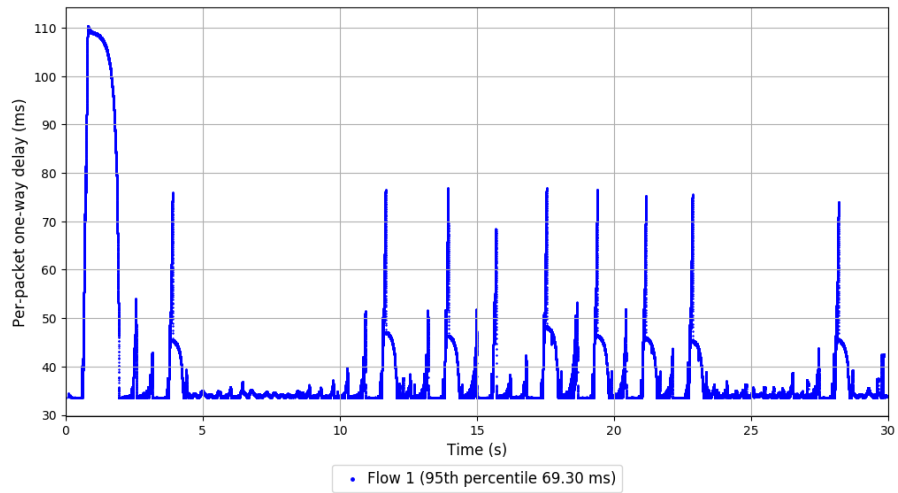
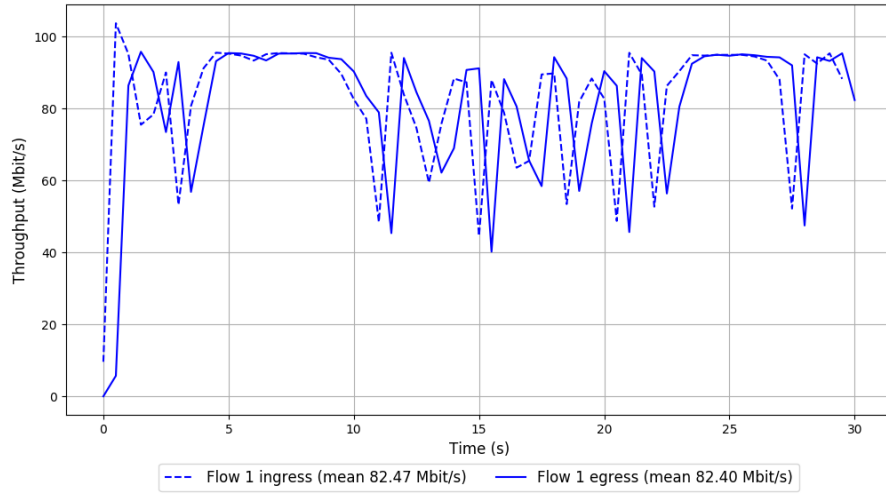
-- Flow 1:

Average throughput: 82.40 Mbit/s

95th percentile per-packet one-way delay: 69.300 ms

Loss rate: 0.30%

Run 5: Report of Copa — Data Link

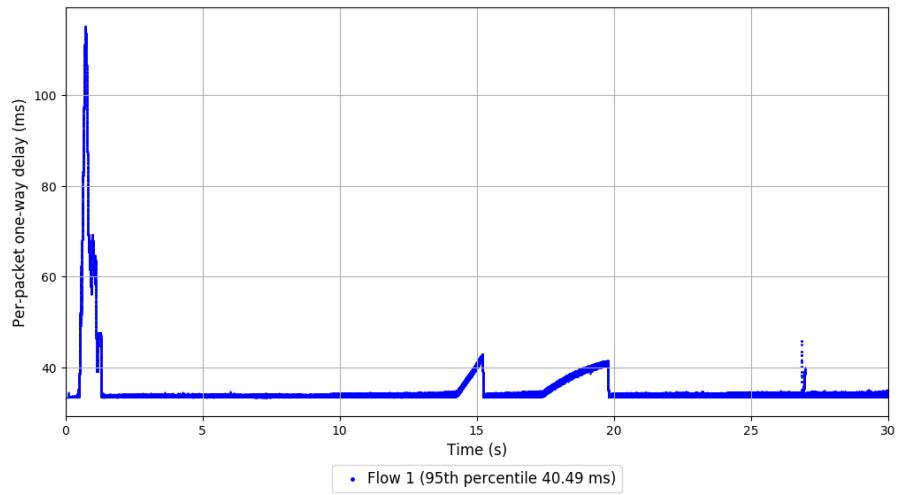
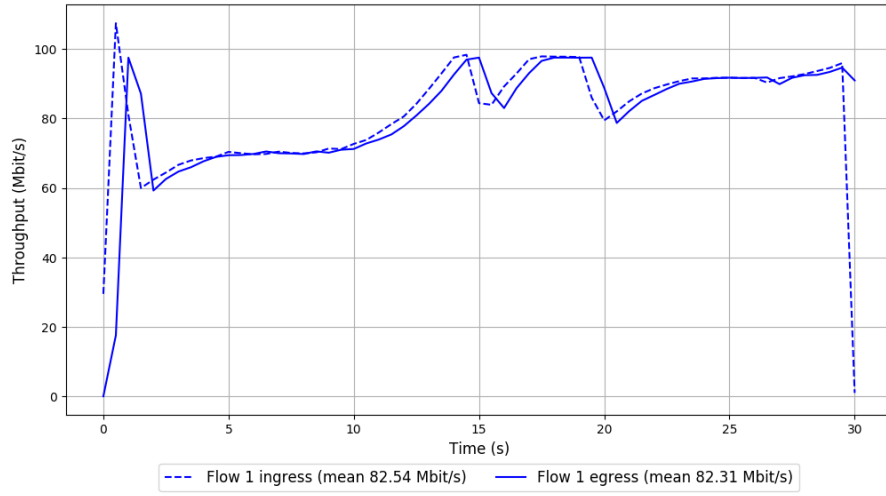


Run 1: Statistics of TCP Cubic

Start at: 2019-03-19 08:41:58
End at: 2019-03-19 08:42:28
Local clock offset: 0.063 ms
Remote clock offset: -2.803 ms

Below is generated by plot.py at 2019-03-19 10:43:11
Datalink statistics
-- Total of 1 flow:
Average throughput: 82.31 Mbit/s
95th percentile per-packet one-way delay: 40.490 ms
Loss rate: 0.50%
-- Flow 1:
Average throughput: 82.31 Mbit/s
95th percentile per-packet one-way delay: 40.490 ms
Loss rate: 0.50%

Run 1: Report of TCP Cubic — Data Link



Run 2: Statistics of TCP Cubic

Start at: 2019-03-19 09:06:29

End at: 2019-03-19 09:06:59

Local clock offset: 0.817 ms

Remote clock offset: -1.996 ms

Below is generated by plot.py at 2019-03-19 10:43:11

Datalink statistics

-- Total of 1 flow:

Average throughput: 82.40 Mbit/s

95th percentile per-packet one-way delay: 40.463 ms

Loss rate: 0.26%

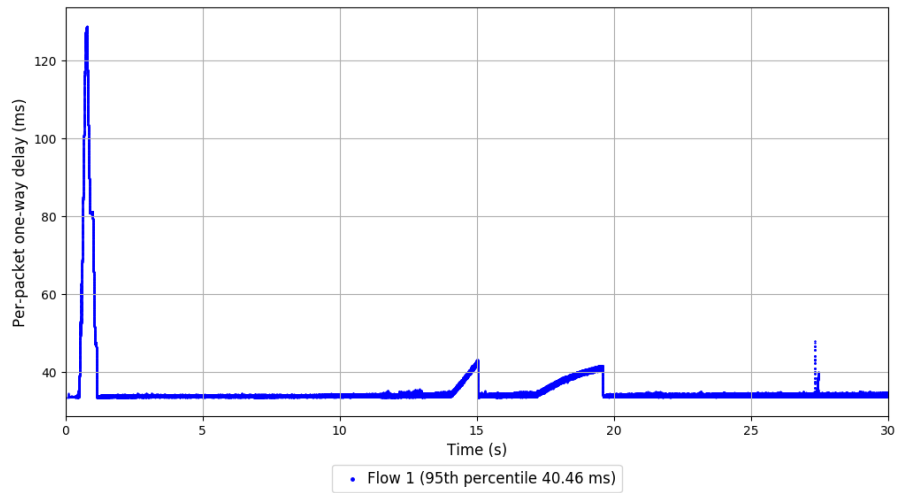
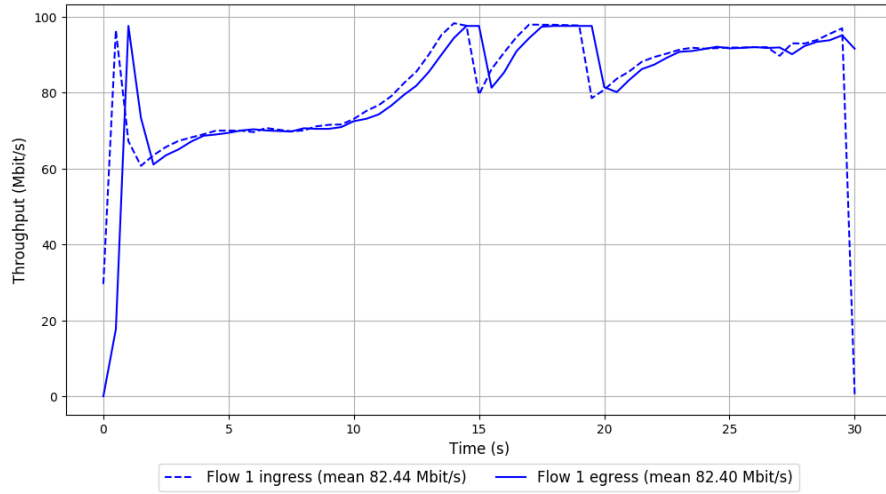
-- Flow 1:

Average throughput: 82.40 Mbit/s

95th percentile per-packet one-way delay: 40.463 ms

Loss rate: 0.26%

Run 2: Report of TCP Cubic — Data Link

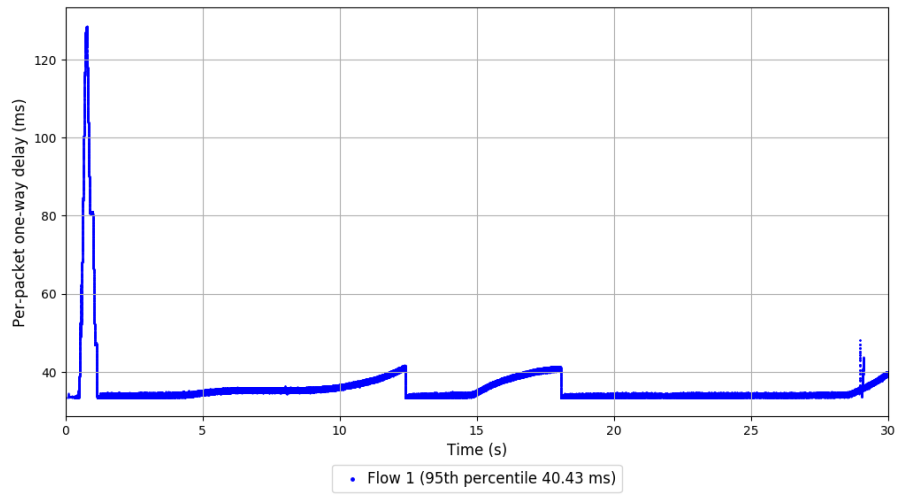
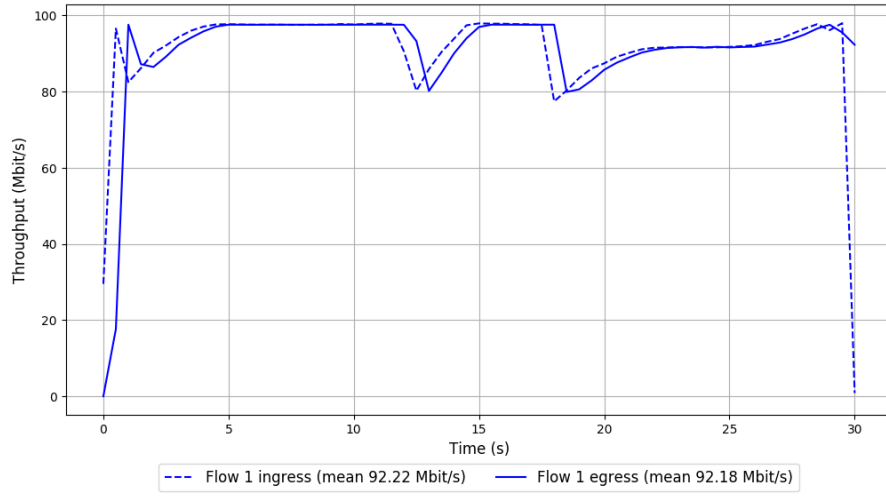


Run 3: Statistics of TCP Cubic

Start at: 2019-03-19 09:31:00
End at: 2019-03-19 09:31:30
Local clock offset: 0.259 ms
Remote clock offset: -1.647 ms

Below is generated by plot.py at 2019-03-19 10:43:11
Datalink statistics
-- Total of 1 flow:
Average throughput: 92.18 Mbit/s
95th percentile per-packet one-way delay: 40.432 ms
Loss rate: 0.26%
-- Flow 1:
Average throughput: 92.18 Mbit/s
95th percentile per-packet one-way delay: 40.432 ms
Loss rate: 0.26%

Run 3: Report of TCP Cubic — Data Link

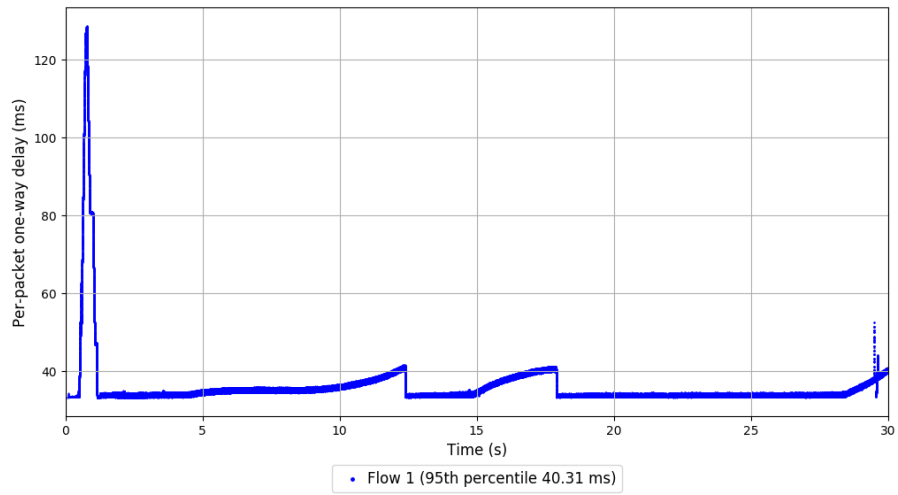
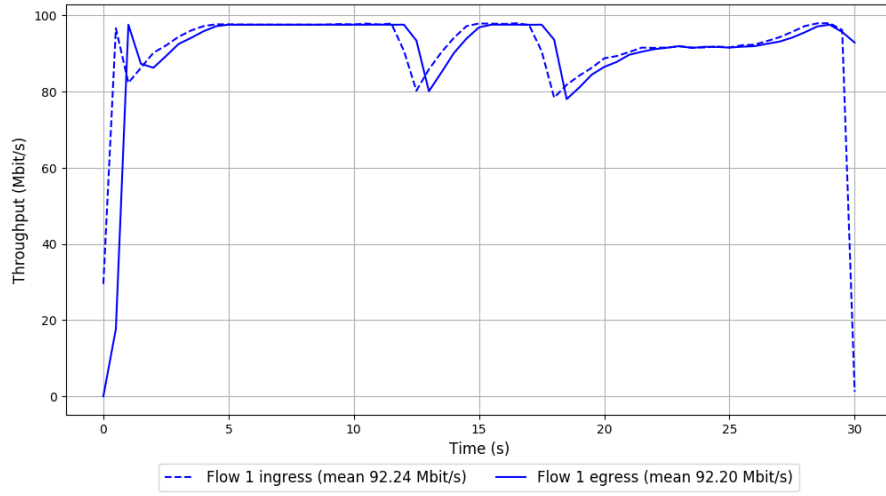


Run 4: Statistics of TCP Cubic

Start at: 2019-03-19 09:55:31
End at: 2019-03-19 09:56:01
Local clock offset: -0.076 ms
Remote clock offset: -1.004 ms

Below is generated by plot.py at 2019-03-19 10:43:11
Datalink statistics
-- Total of 1 flow:
Average throughput: 92.20 Mbit/s
95th percentile per-packet one-way delay: 40.312 ms
Loss rate: 0.26%
-- Flow 1:
Average throughput: 92.20 Mbit/s
95th percentile per-packet one-way delay: 40.312 ms
Loss rate: 0.26%

Run 4: Report of TCP Cubic — Data Link

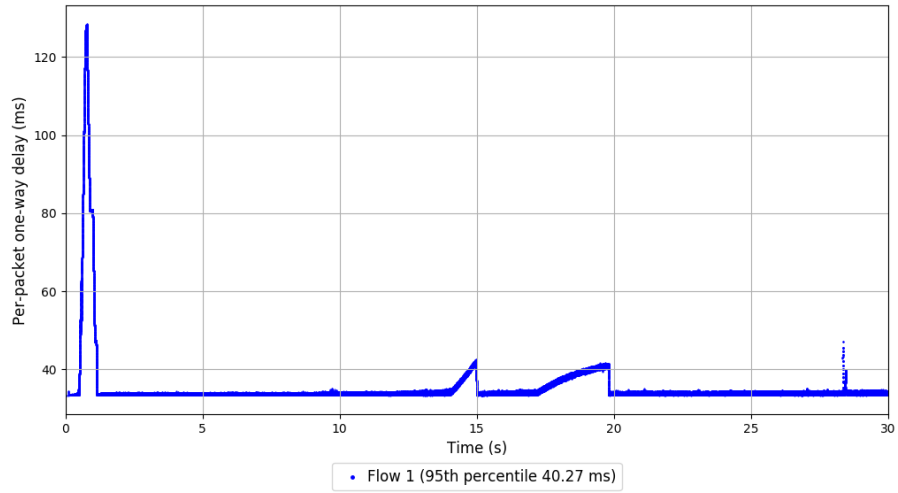
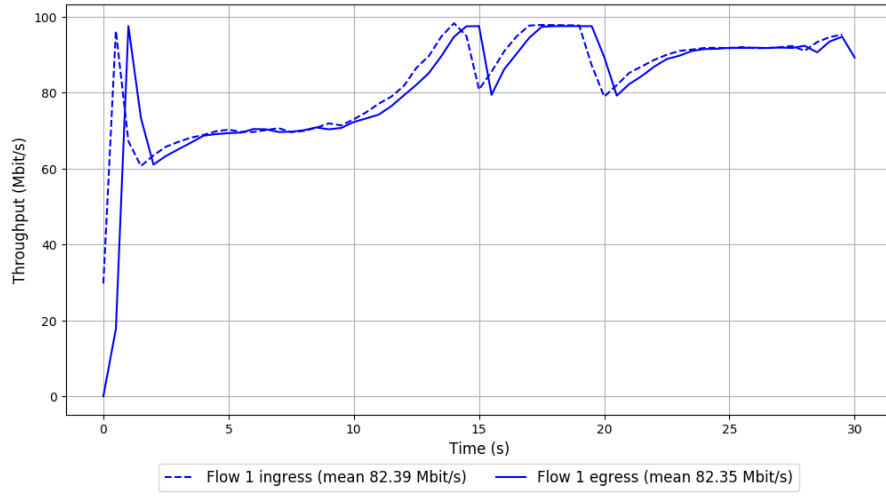


Run 5: Statistics of TCP Cubic

Start at: 2019-03-19 10:20:03
End at: 2019-03-19 10:20:33
Local clock offset: -0.041 ms
Remote clock offset: -0.363 ms

Below is generated by plot.py at 2019-03-19 10:43:11
Datalink statistics
-- Total of 1 flow:
Average throughput: 82.35 Mbit/s
95th percentile per-packet one-way delay: 40.268 ms
Loss rate: 0.26%
-- Flow 1:
Average throughput: 82.35 Mbit/s
95th percentile per-packet one-way delay: 40.268 ms
Loss rate: 0.26%

Run 5: Report of TCP Cubic — Data Link

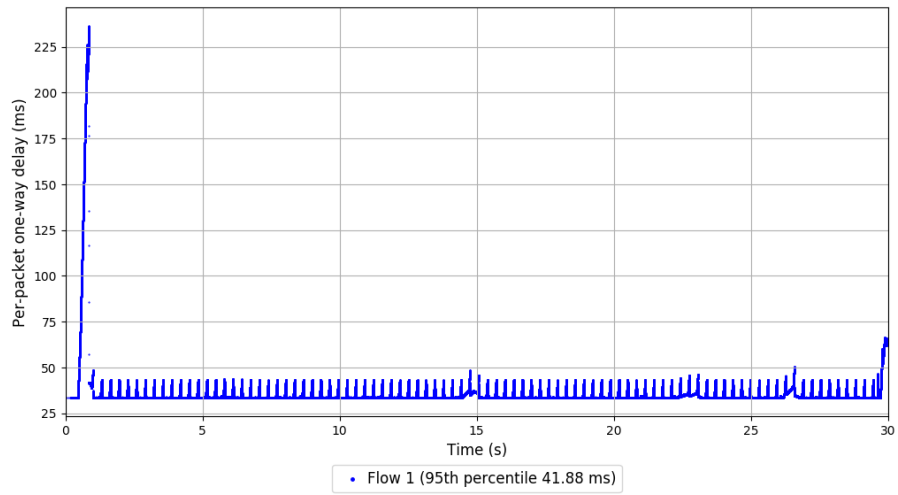
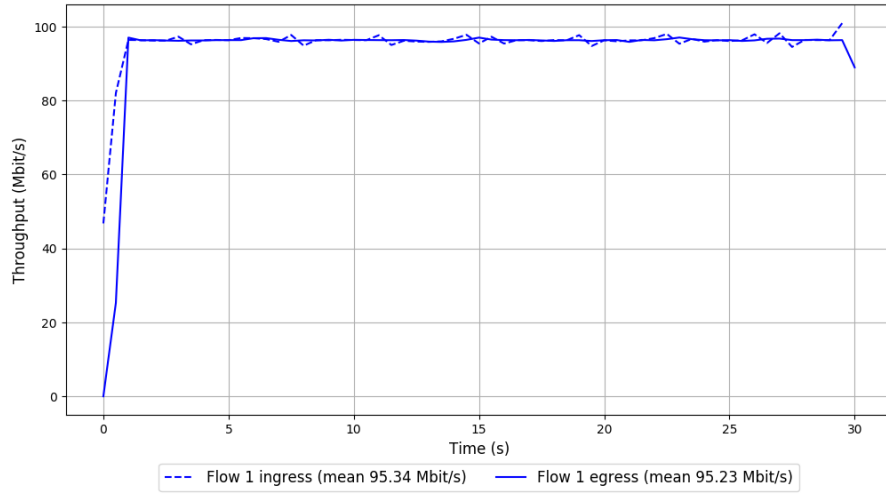


Run 1: Statistics of FillP

Start at: 2019-03-19 08:44:18
End at: 2019-03-19 08:44:48
Local clock offset: 0.067 ms
Remote clock offset: -2.906 ms

Below is generated by plot.py at 2019-03-19 10:43:36
Datalink statistics
-- Total of 1 flow:
Average throughput: 95.23 Mbit/s
95th percentile per-packet one-way delay: 41.881 ms
Loss rate: 0.32%
-- Flow 1:
Average throughput: 95.23 Mbit/s
95th percentile per-packet one-way delay: 41.881 ms
Loss rate: 0.32%

Run 1: Report of FillP — Data Link

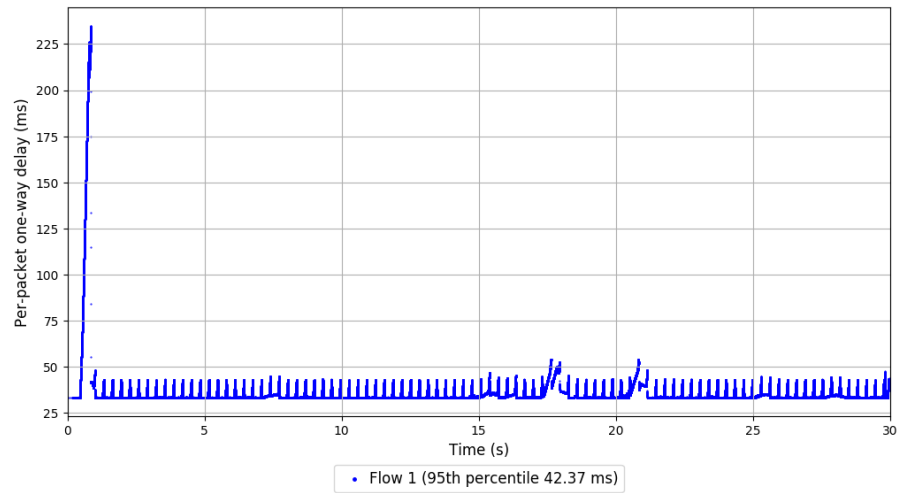
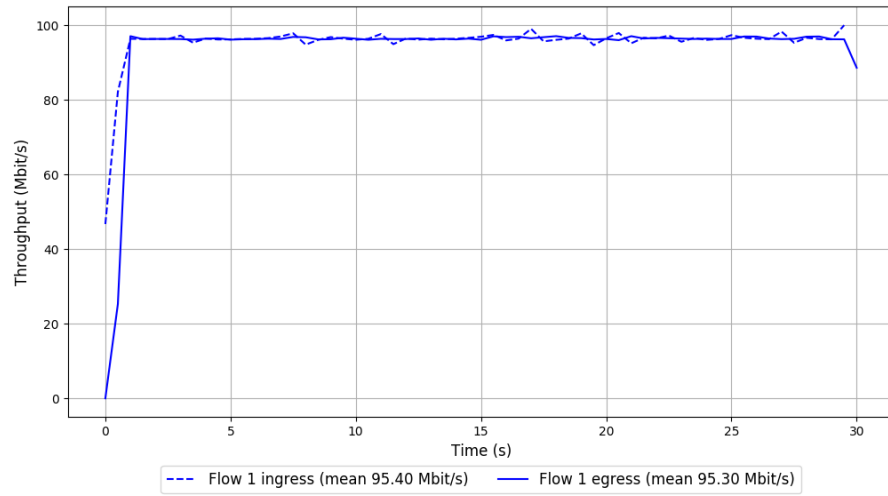


Run 2: Statistics of FillP

Start at: 2019-03-19 09:08:50
End at: 2019-03-19 09:09:20
Local clock offset: 0.853 ms
Remote clock offset: -1.703 ms

Below is generated by plot.py at 2019-03-19 10:43:39
Datalink statistics
-- Total of 1 flow:
Average throughput: 95.30 Mbit/s
95th percentile per-packet one-way delay: 42.372 ms
Loss rate: 0.32%
-- Flow 1:
Average throughput: 95.30 Mbit/s
95th percentile per-packet one-way delay: 42.372 ms
Loss rate: 0.32%

Run 2: Report of FillP — Data Link

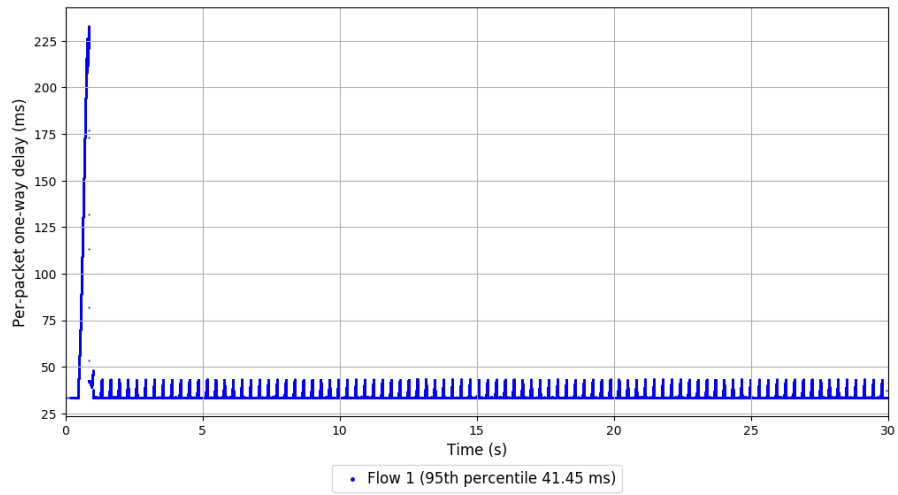
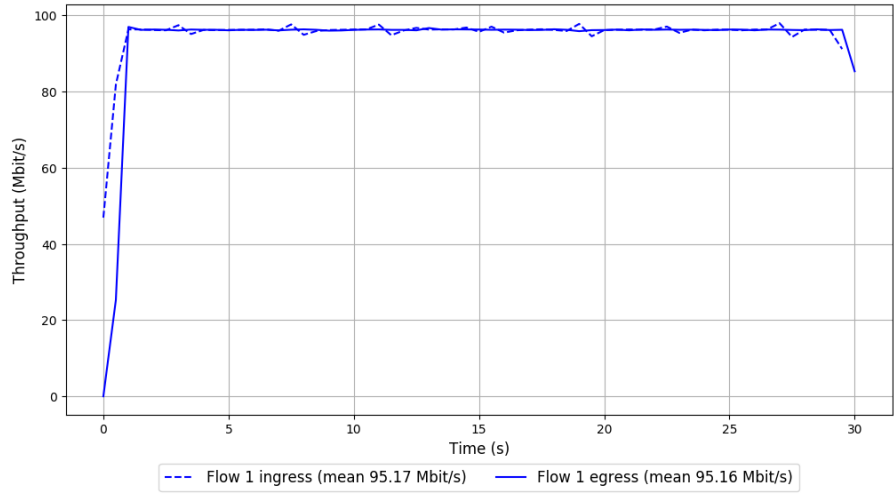


Run 3: Statistics of FillP

Start at: 2019-03-19 09:33:21
End at: 2019-03-19 09:33:51
Local clock offset: 0.208 ms
Remote clock offset: -1.787 ms

Below is generated by plot.py at 2019-03-19 10:43:40
Datalink statistics
-- Total of 1 flow:
Average throughput: 95.16 Mbit/s
95th percentile per-packet one-way delay: 41.452 ms
Loss rate: 0.22%
-- Flow 1:
Average throughput: 95.16 Mbit/s
95th percentile per-packet one-way delay: 41.452 ms
Loss rate: 0.22%

Run 3: Report of FillP — Data Link



Run 4: Statistics of FillP

Start at: 2019-03-19 09:57:52

End at: 2019-03-19 09:58:22

Local clock offset: -0.092 ms

Remote clock offset: -0.93 ms

Below is generated by plot.py at 2019-03-19 10:43:48

Datalink statistics

-- Total of 1 flow:

Average throughput: 95.16 Mbit/s

95th percentile per-packet one-way delay: 41.232 ms

Loss rate: 0.22%

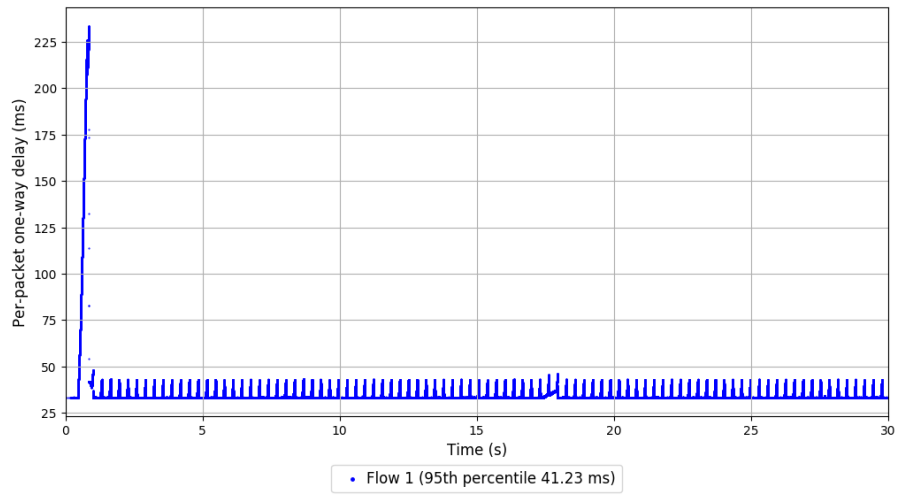
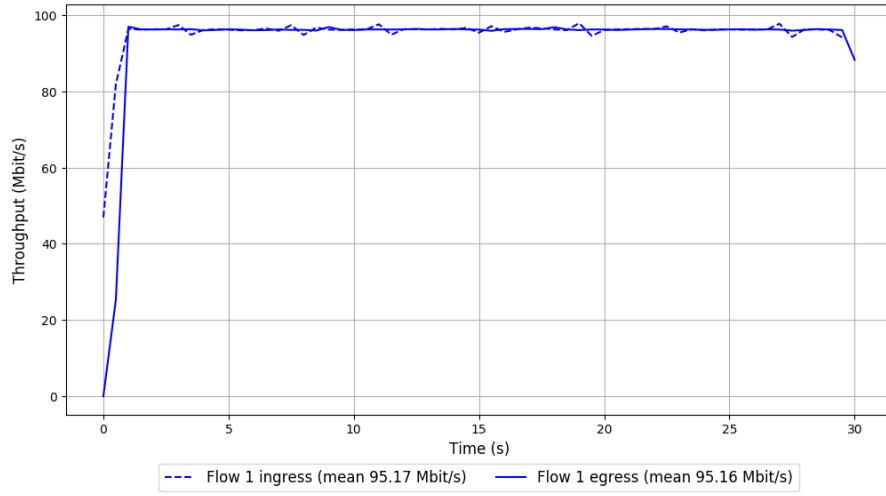
-- Flow 1:

Average throughput: 95.16 Mbit/s

95th percentile per-packet one-way delay: 41.232 ms

Loss rate: 0.22%

Run 4: Report of FillP — Data Link



Run 5: Statistics of FillP

Start at: 2019-03-19 10:22:24

End at: 2019-03-19 10:22:54

Local clock offset: 0.047 ms

Remote clock offset: -0.443 ms

Below is generated by plot.py at 2019-03-19 10:44:29

Datalink statistics

-- Total of 1 flow:

Average throughput: 95.20 Mbit/s

95th percentile per-packet one-way delay: 41.730 ms

Loss rate: 0.22%

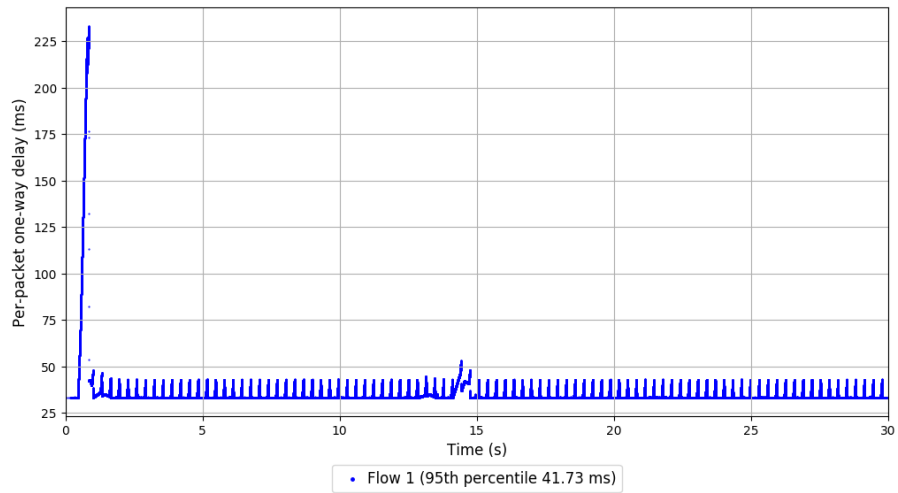
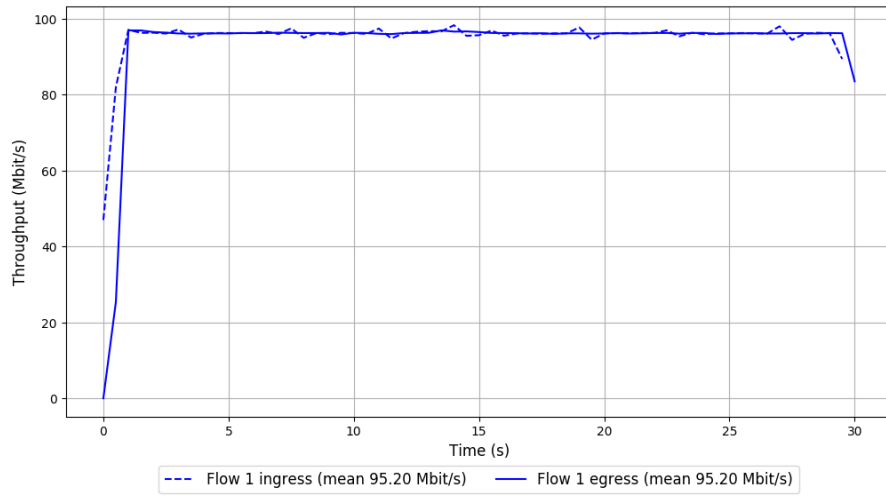
-- Flow 1:

Average throughput: 95.20 Mbit/s

95th percentile per-packet one-way delay: 41.730 ms

Loss rate: 0.22%

Run 5: Report of FillP — Data Link



Run 1: Statistics of FillP-Sheep

Start at: 2019-03-19 08:52:28

End at: 2019-03-19 08:52:58

Local clock offset: 0.434 ms

Remote clock offset: -2.471 ms

Below is generated by plot.py at 2019-03-19 10:44:30

Datalink statistics

-- Total of 1 flow:

Average throughput: 92.89 Mbit/s

95th percentile per-packet one-way delay: 39.881 ms

Loss rate: 0.22%

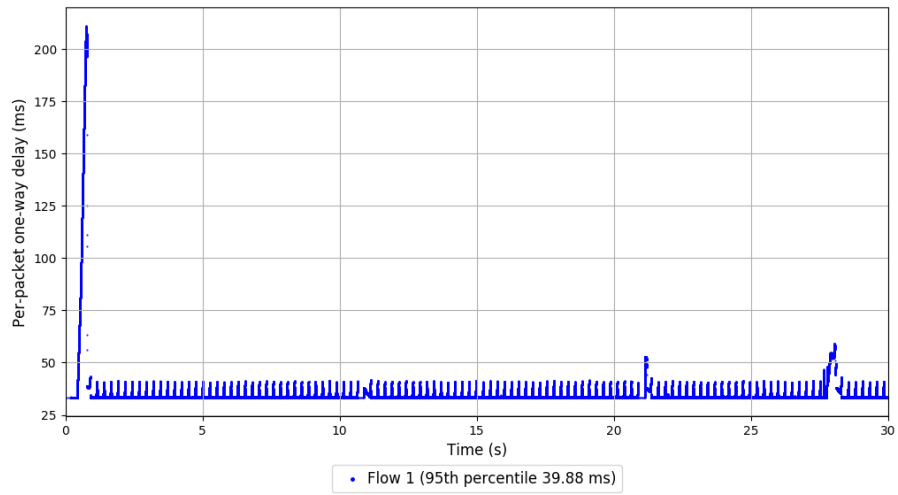
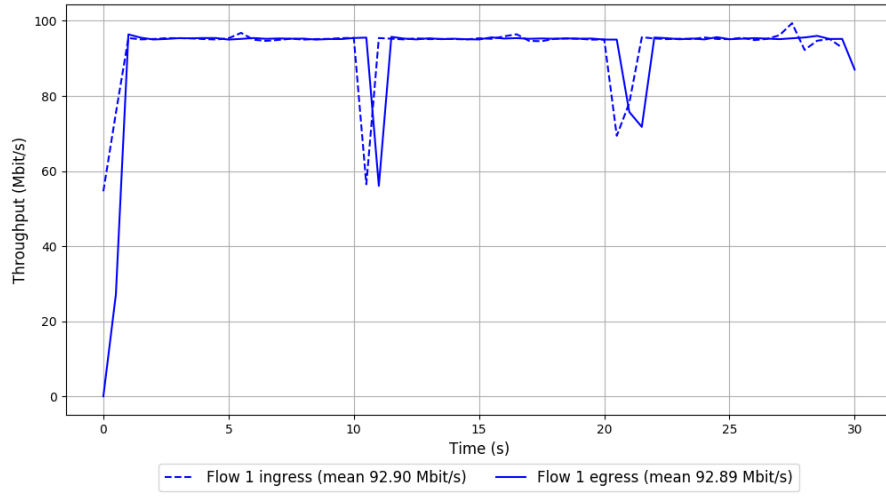
-- Flow 1:

Average throughput: 92.89 Mbit/s

95th percentile per-packet one-way delay: 39.881 ms

Loss rate: 0.22%

Run 1: Report of FillP-Sheep — Data Link



Run 2: Statistics of FillP-Sheep

Start at: 2019-03-19 09:16:59

End at: 2019-03-19 09:17:29

Local clock offset: 0.848 ms

Remote clock offset: -1.475 ms

Below is generated by plot.py at 2019-03-19 10:44:32

Datalink statistics

-- Total of 1 flow:

Average throughput: 92.95 Mbit/s

95th percentile per-packet one-way delay: 39.896 ms

Loss rate: 0.23%

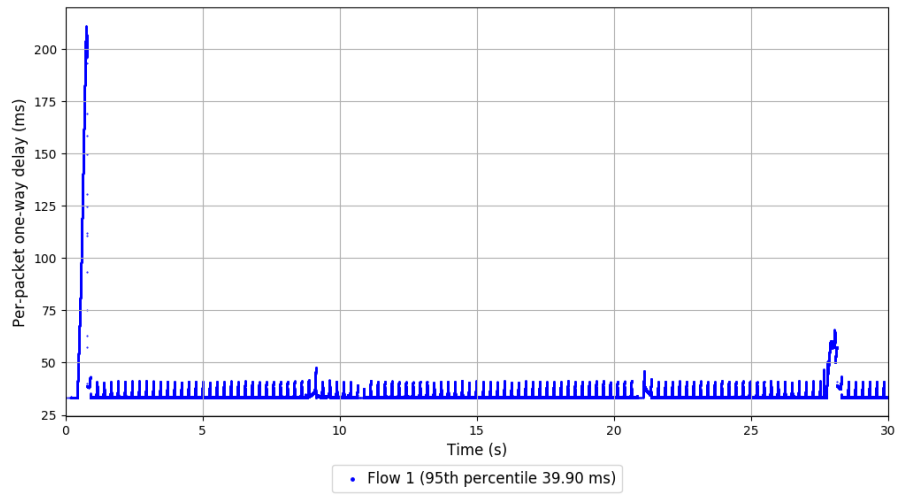
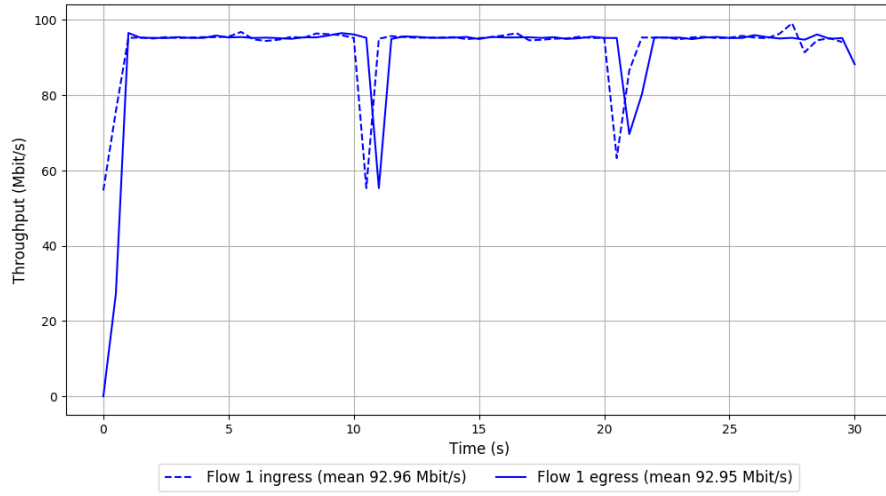
-- Flow 1:

Average throughput: 92.95 Mbit/s

95th percentile per-packet one-way delay: 39.896 ms

Loss rate: 0.23%

Run 2: Report of FillP-Sheep — Data Link

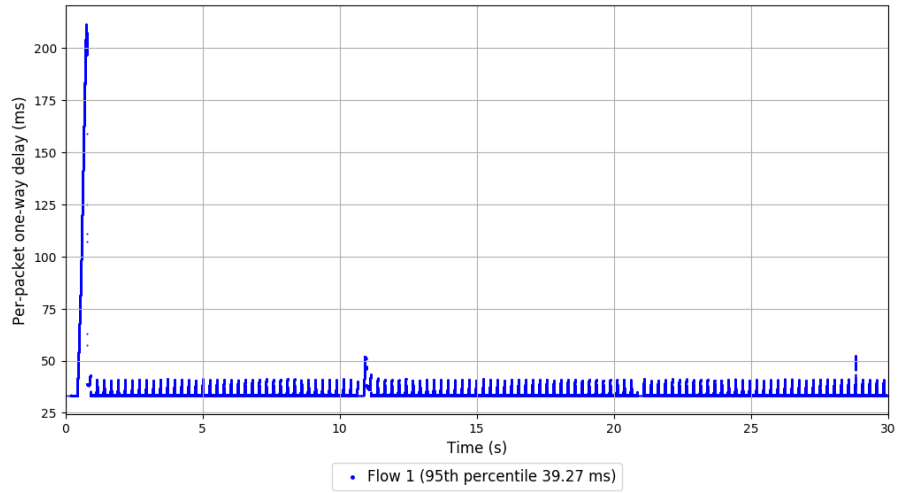
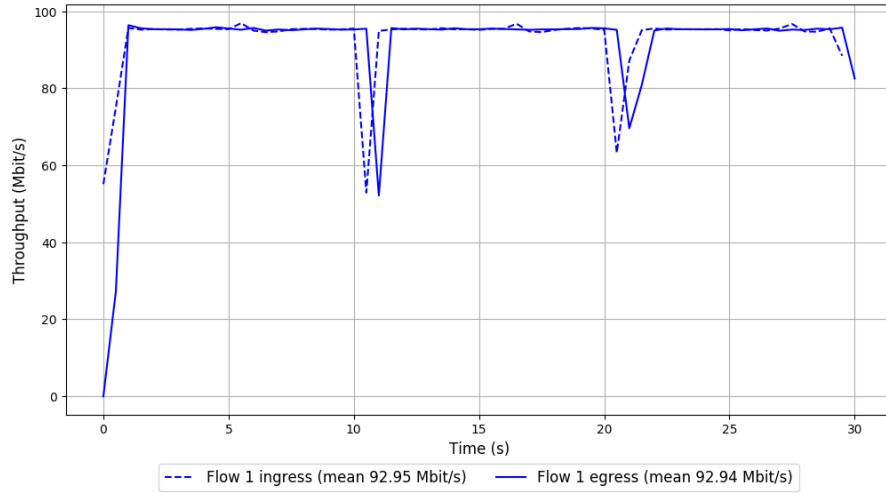


Run 3: Statistics of FillP-Sheep

Start at: 2019-03-19 09:41:30
End at: 2019-03-19 09:42:00
Local clock offset: 0.127 ms
Remote clock offset: -1.349 ms

Below is generated by plot.py at 2019-03-19 10:44:34
Datalink statistics
-- Total of 1 flow:
Average throughput: 92.94 Mbit/s
95th percentile per-packet one-way delay: 39.275 ms
Loss rate: 0.22%
-- Flow 1:
Average throughput: 92.94 Mbit/s
95th percentile per-packet one-way delay: 39.275 ms
Loss rate: 0.22%

Run 3: Report of FillP-Sheep — Data Link



Run 4: Statistics of FillP-Sheep

Start at: 2019-03-19 10:06:02

End at: 2019-03-19 10:06:32

Local clock offset: -0.183 ms

Remote clock offset: -0.724 ms

Below is generated by plot.py at 2019-03-19 10:44:59

Datalink statistics

-- Total of 1 flow:

Average throughput: 92.85 Mbit/s

95th percentile per-packet one-way delay: 39.271 ms

Loss rate: 0.24%

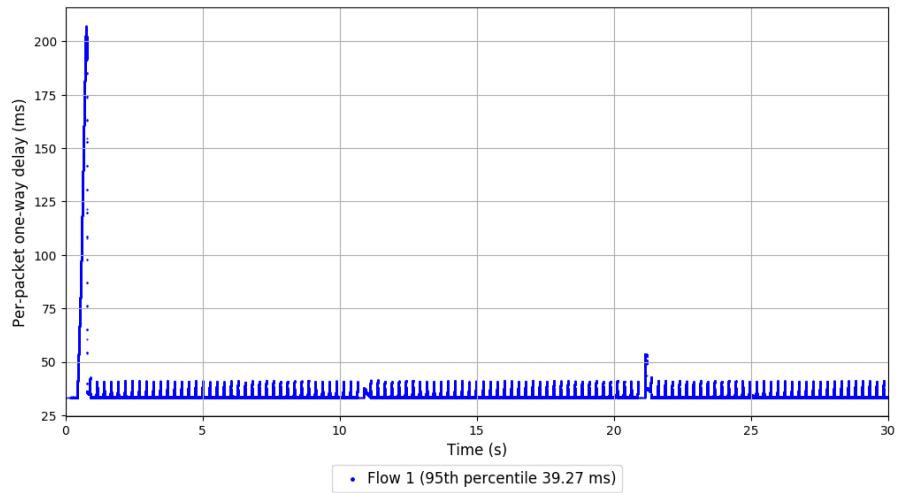
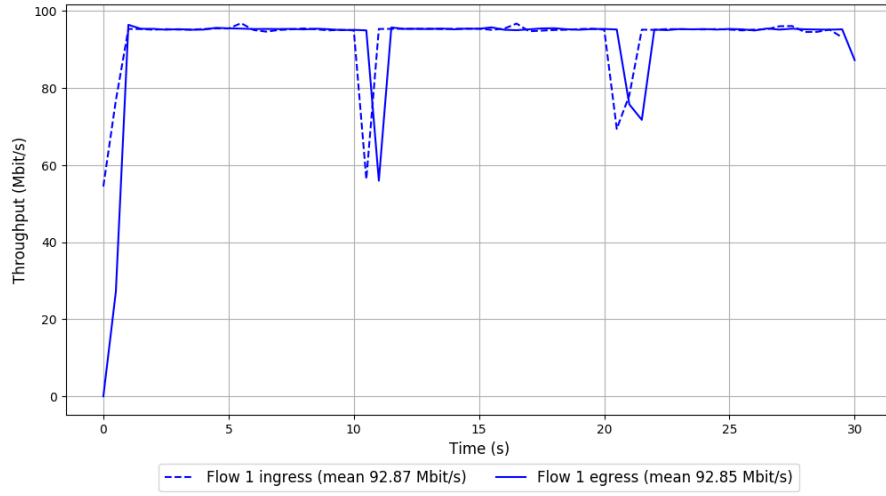
-- Flow 1:

Average throughput: 92.85 Mbit/s

95th percentile per-packet one-way delay: 39.271 ms

Loss rate: 0.24%

Run 4: Report of FillP-Sheep — Data Link



Run 5: Statistics of FillP-Sheep

Start at: 2019-03-19 10:30:33

End at: 2019-03-19 10:31:03

Local clock offset: 0.238 ms

Remote clock offset: -0.589 ms

Below is generated by plot.py at 2019-03-19 10:45:03

Datalink statistics

-- Total of 1 flow:

Average throughput: 92.91 Mbit/s

95th percentile per-packet one-way delay: 40.117 ms

Loss rate: 0.23%

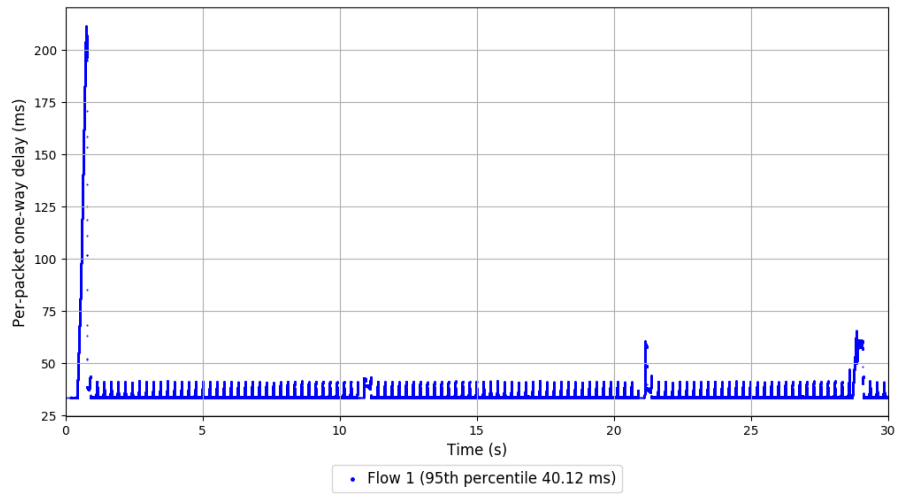
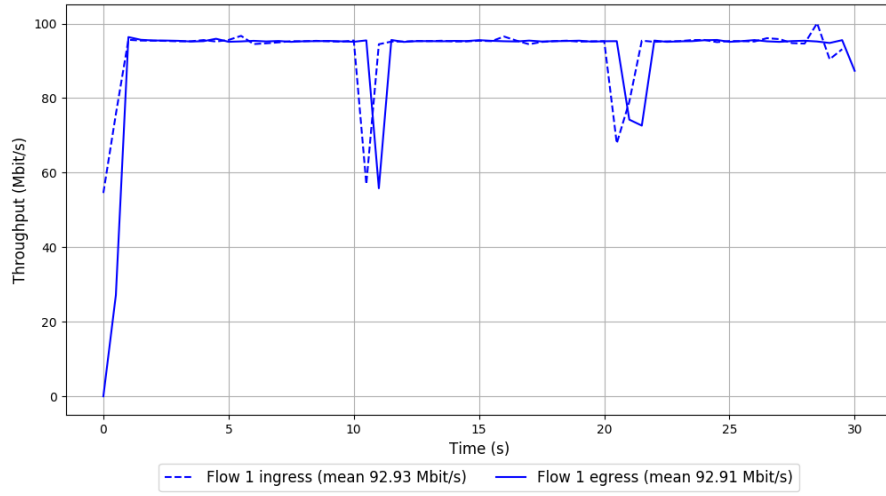
-- Flow 1:

Average throughput: 92.91 Mbit/s

95th percentile per-packet one-way delay: 40.117 ms

Loss rate: 0.23%

Run 5: Report of FillP-Sheep — Data Link



Run 1: Statistics of Indigo

Start at: 2019-03-19 08:53:37

End at: 2019-03-19 08:54:07

Local clock offset: 0.491 ms

Remote clock offset: -2.4 ms

Below is generated by plot.py at 2019-03-19 10:45:03

Datalink statistics

-- Total of 1 flow:

Average throughput: 95.81 Mbit/s

95th percentile per-packet one-way delay: 38.018 ms

Loss rate: 0.22%

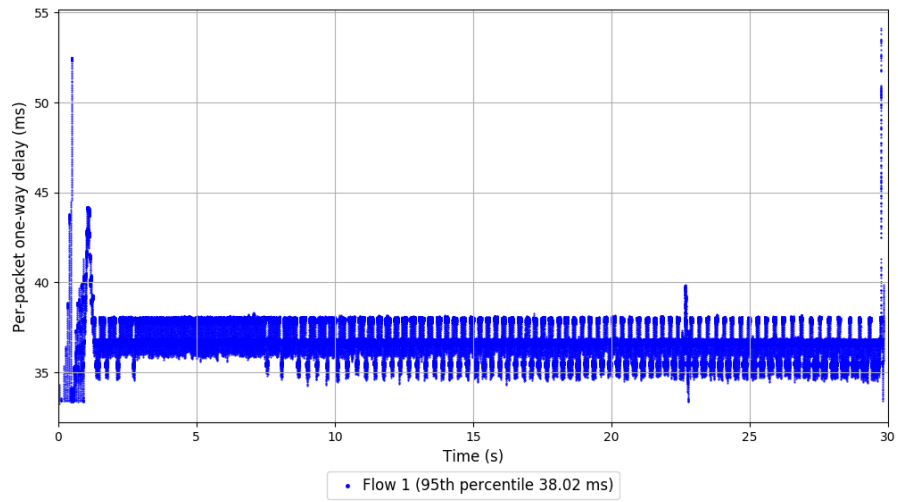
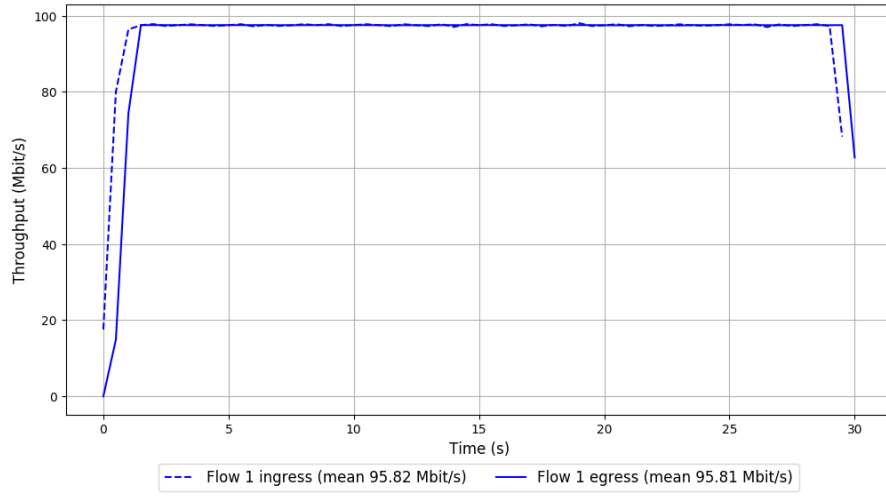
-- Flow 1:

Average throughput: 95.81 Mbit/s

95th percentile per-packet one-way delay: 38.018 ms

Loss rate: 0.22%

Run 1: Report of Indigo — Data Link



Run 2: Statistics of Indigo

Start at: 2019-03-19 09:18:08

End at: 2019-03-19 09:18:38

Local clock offset: 0.742 ms

Remote clock offset: -1.463 ms

Below is generated by plot.py at 2019-03-19 10:45:03

Datalink statistics

-- Total of 1 flow:

Average throughput: 96.13 Mbit/s

95th percentile per-packet one-way delay: 38.087 ms

Loss rate: 0.20%

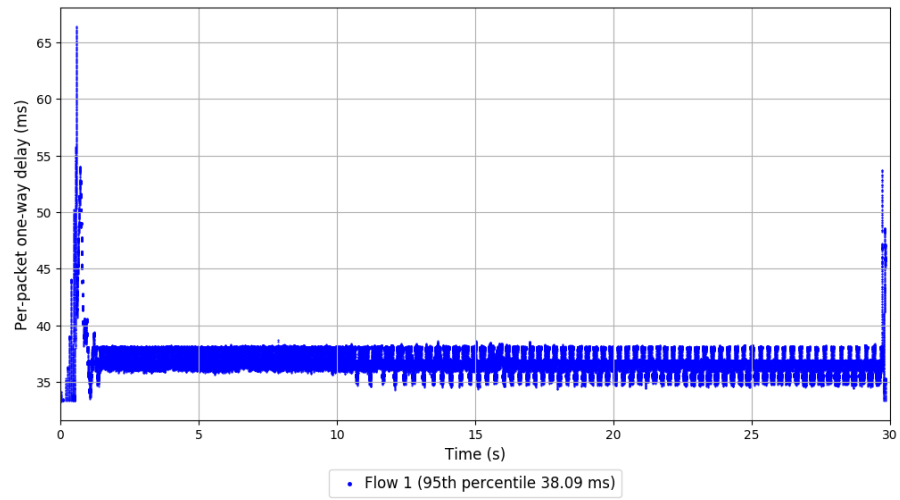
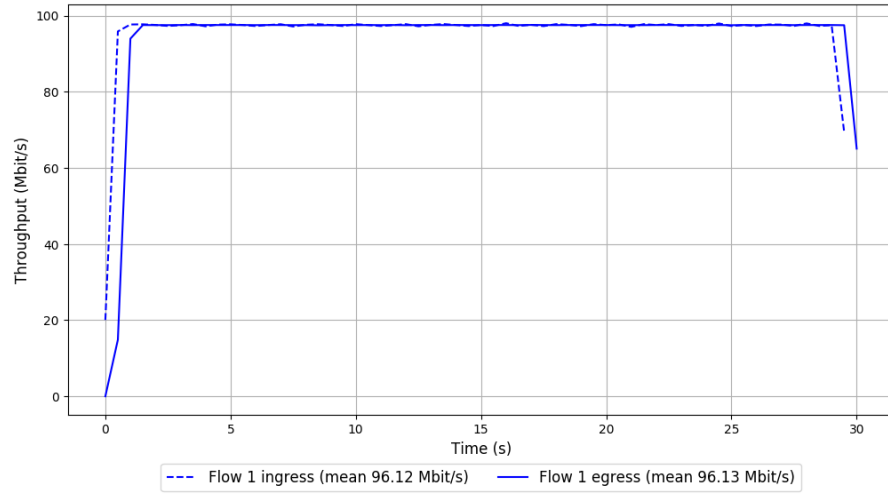
-- Flow 1:

Average throughput: 96.13 Mbit/s

95th percentile per-packet one-way delay: 38.087 ms

Loss rate: 0.20%

Run 2: Report of Indigo — Data Link

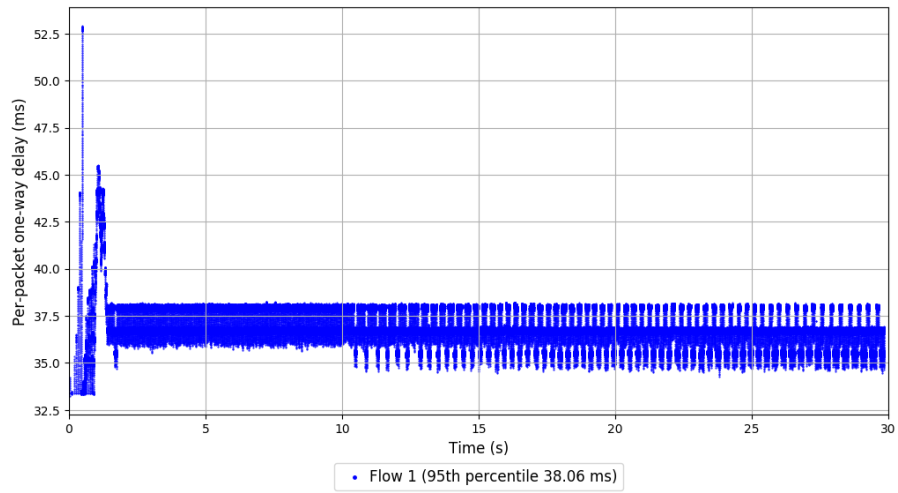
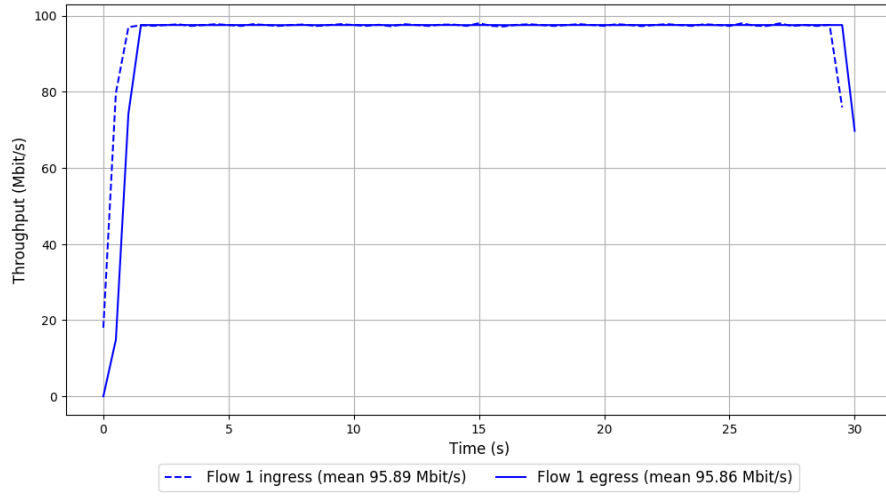


Run 3: Statistics of Indigo

Start at: 2019-03-19 09:42:40
End at: 2019-03-19 09:43:10
Local clock offset: 0.113 ms
Remote clock offset: -1.322 ms

Below is generated by plot.py at 2019-03-19 10:45:38
Datalink statistics
-- Total of 1 flow:
Average throughput: 95.86 Mbit/s
95th percentile per-packet one-way delay: 38.064 ms
Loss rate: 0.24%
-- Flow 1:
Average throughput: 95.86 Mbit/s
95th percentile per-packet one-way delay: 38.064 ms
Loss rate: 0.24%

Run 3: Report of Indigo — Data Link



Run 4: Statistics of Indigo

Start at: 2019-03-19 10:07:11

End at: 2019-03-19 10:07:41

Local clock offset: -0.18 ms

Remote clock offset: -0.728 ms

Below is generated by plot.py at 2019-03-19 10:45:42

Datalink statistics

-- Total of 1 flow:

Average throughput: 95.80 Mbit/s

95th percentile per-packet one-way delay: 38.108 ms

Loss rate: 0.23%

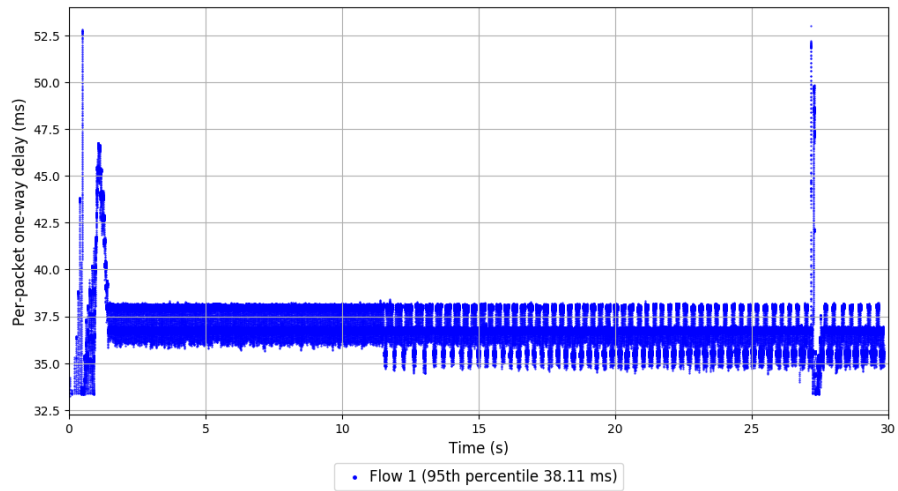
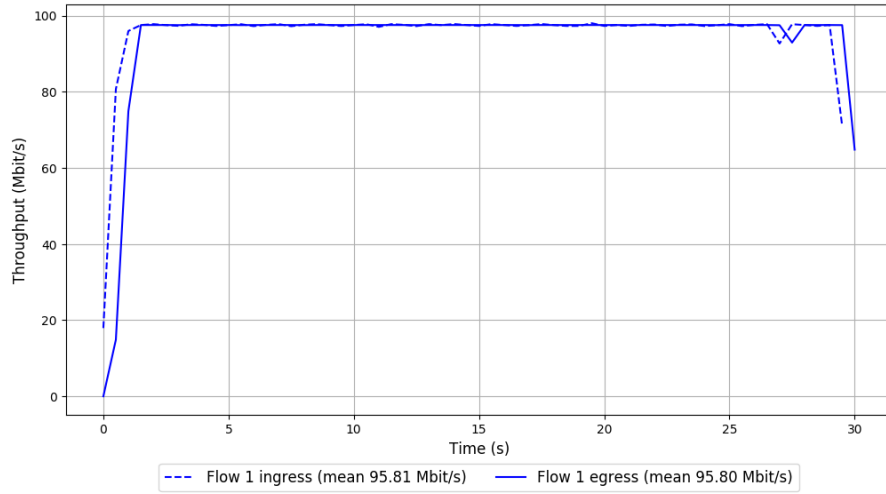
-- Flow 1:

Average throughput: 95.80 Mbit/s

95th percentile per-packet one-way delay: 38.108 ms

Loss rate: 0.23%

Run 4: Report of Indigo — Data Link



Run 5: Statistics of Indigo

Start at: 2019-03-19 10:31:42

End at: 2019-03-19 10:32:12

Local clock offset: 0.255 ms

Remote clock offset: -0.536 ms

Below is generated by plot.py at 2019-03-19 10:45:43

Datalink statistics

-- Total of 1 flow:

Average throughput: 95.86 Mbit/s

95th percentile per-packet one-way delay: 38.092 ms

Loss rate: 0.23%

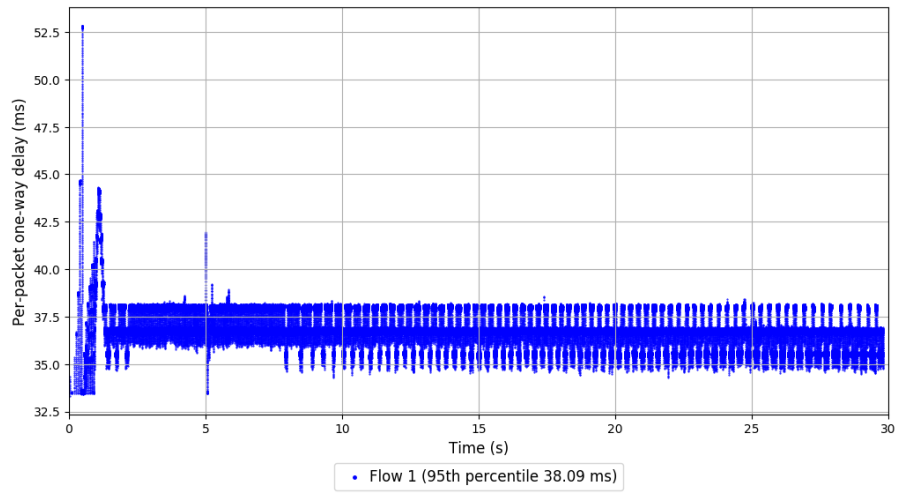
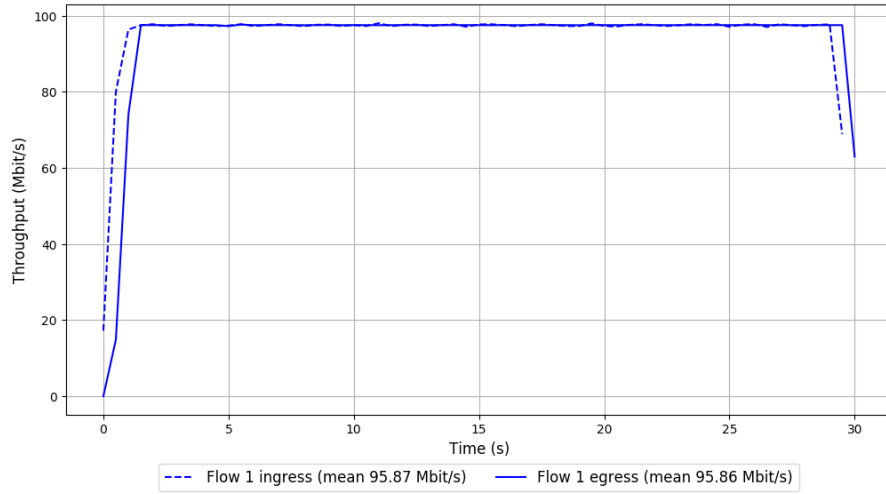
-- Flow 1:

Average throughput: 95.86 Mbit/s

95th percentile per-packet one-way delay: 38.092 ms

Loss rate: 0.23%

Run 5: Report of Indigo — Data Link

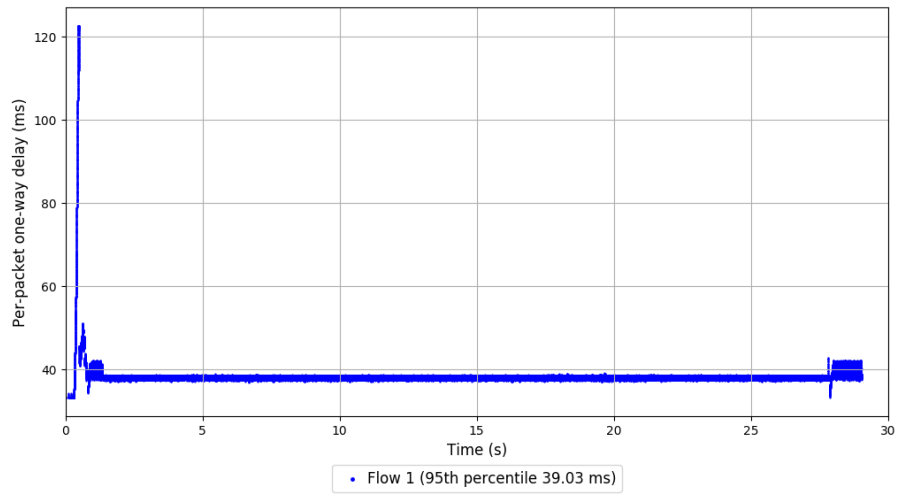
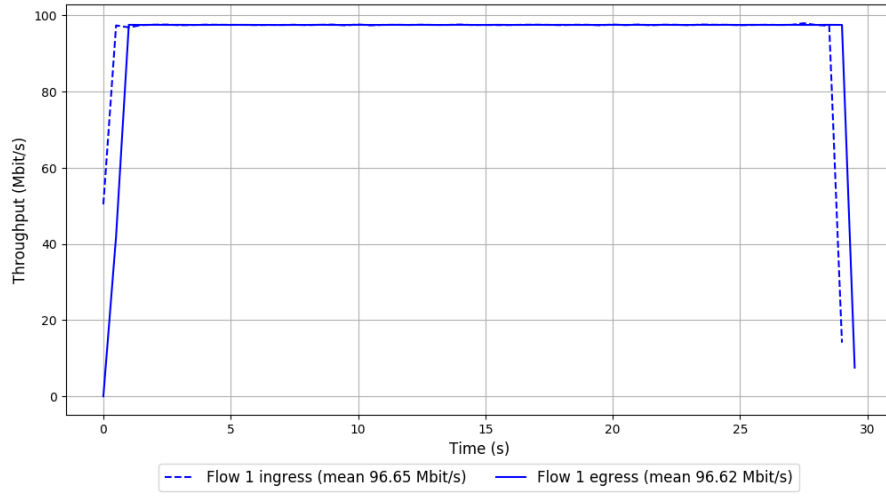


Run 1: Statistics of Indigo-MusesC3

Start at: 2019-03-19 08:36:08
End at: 2019-03-19 08:36:38
Local clock offset: 0.084 ms
Remote clock offset: -2.864 ms

Below is generated by plot.py at 2019-03-19 10:45:46
Datalink statistics
-- Total of 1 flow:
Average throughput: 96.62 Mbit/s
95th percentile per-packet one-way delay: 39.034 ms
Loss rate: 0.25%
-- Flow 1:
Average throughput: 96.62 Mbit/s
95th percentile per-packet one-way delay: 39.034 ms
Loss rate: 0.25%

Run 1: Report of Indigo-MusesC3 — Data Link

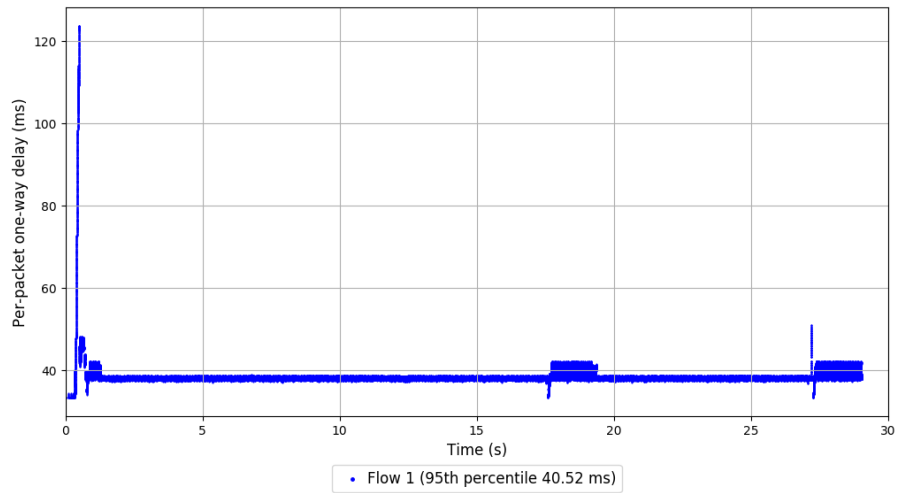
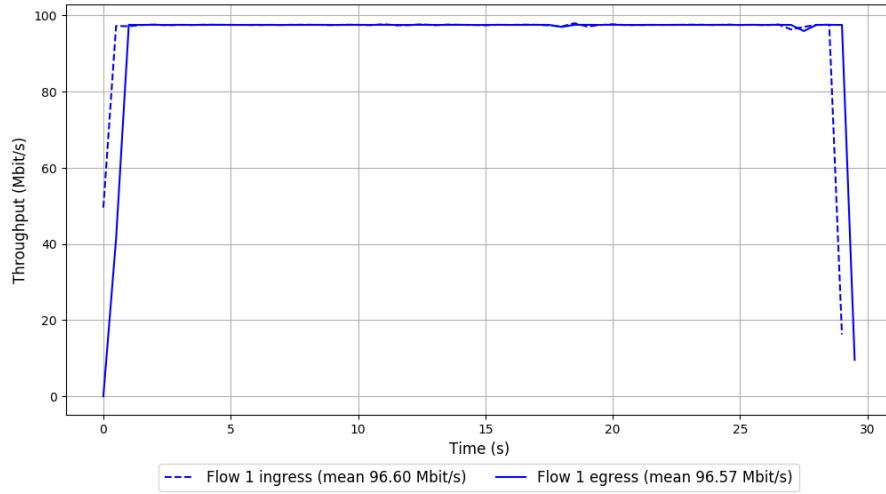


Run 2: Statistics of Indigo-MusesC3

Start at: 2019-03-19 09:00:39
End at: 2019-03-19 09:01:09
Local clock offset: 0.691 ms
Remote clock offset: -2.175 ms

Below is generated by plot.py at 2019-03-19 10:46:04
Datalink statistics
-- Total of 1 flow:
Average throughput: 96.57 Mbit/s
95th percentile per-packet one-way delay: 40.524 ms
Loss rate: 0.25%
-- Flow 1:
Average throughput: 96.57 Mbit/s
95th percentile per-packet one-way delay: 40.524 ms
Loss rate: 0.25%

Run 2: Report of Indigo-MusesC3 — Data Link

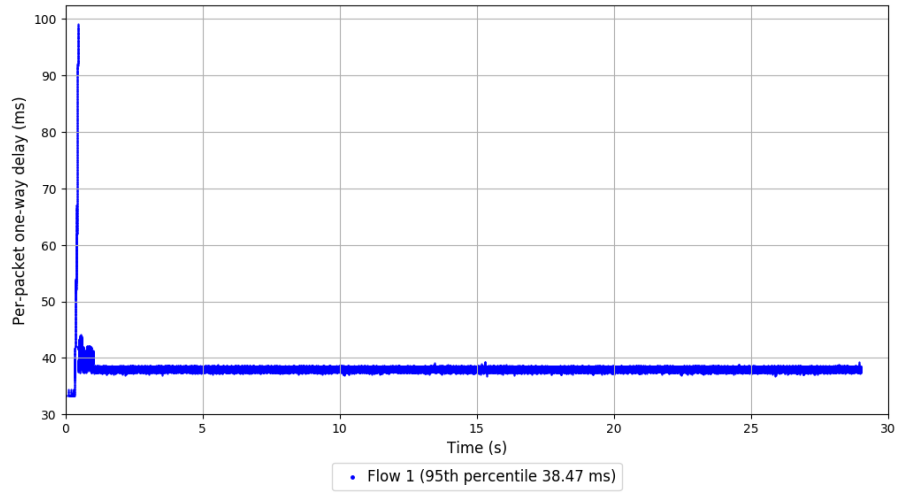
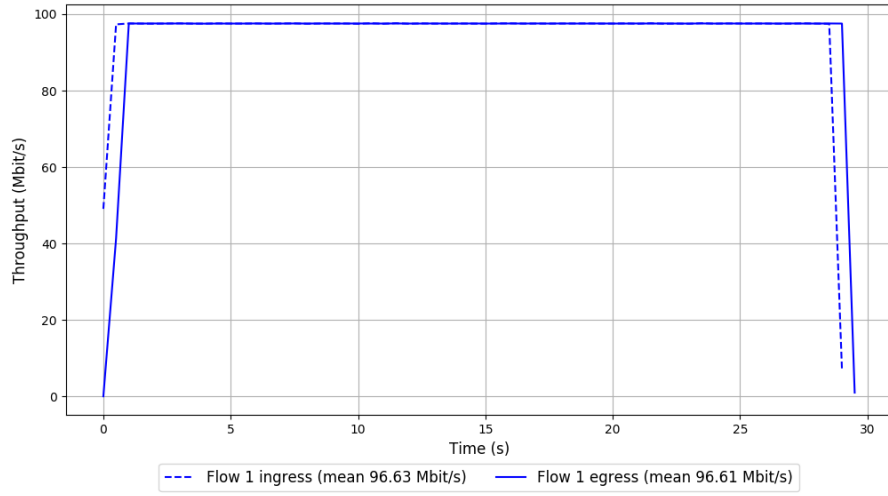


Run 3: Statistics of Indigo-MusesC3

Start at: 2019-03-19 09:25:10
End at: 2019-03-19 09:25:40
Local clock offset: 0.402 ms
Remote clock offset: -1.592 ms

Below is generated by plot.py at 2019-03-19 10:46:11
Datalink statistics
-- Total of 1 flow:
Average throughput: 96.61 Mbit/s
95th percentile per-packet one-way delay: 38.472 ms
Loss rate: 0.24%
-- Flow 1:
Average throughput: 96.61 Mbit/s
95th percentile per-packet one-way delay: 38.472 ms
Loss rate: 0.24%

Run 3: Report of Indigo-MusesC3 — Data Link

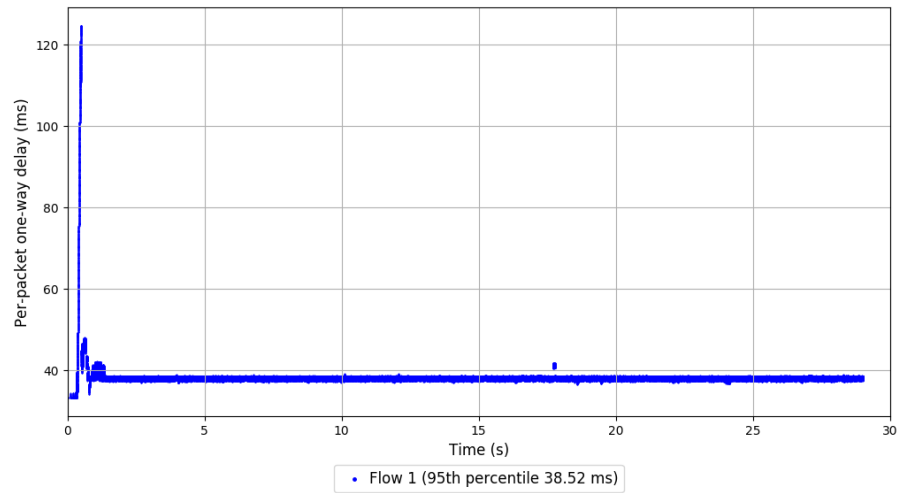
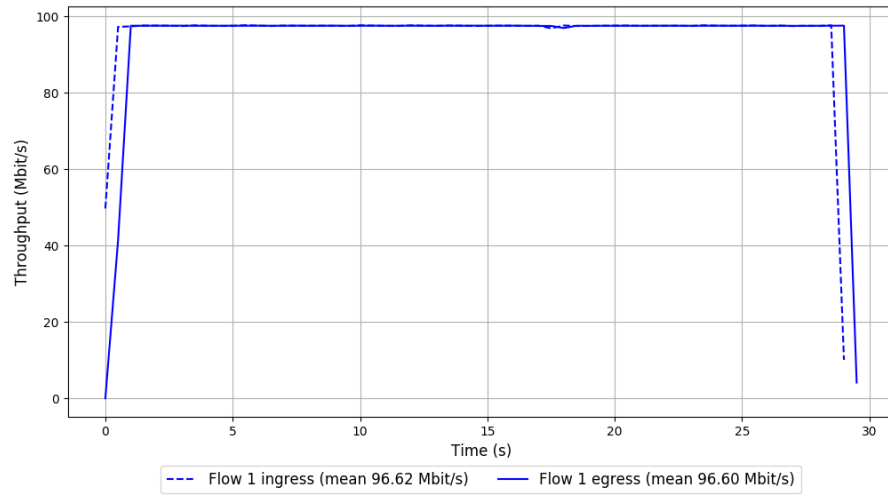


Run 4: Statistics of Indigo-MusesC3

Start at: 2019-03-19 09:49:41
End at: 2019-03-19 09:50:11
Local clock offset: 0.011 ms
Remote clock offset: -1.096 ms

Below is generated by plot.py at 2019-03-19 10:46:12
Datalink statistics
-- Total of 1 flow:
Average throughput: 96.60 Mbit/s
95th percentile per-packet one-way delay: 38.525 ms
Loss rate: 0.25%
-- Flow 1:
Average throughput: 96.60 Mbit/s
95th percentile per-packet one-way delay: 38.525 ms
Loss rate: 0.25%

Run 4: Report of Indigo-MusesC3 — Data Link

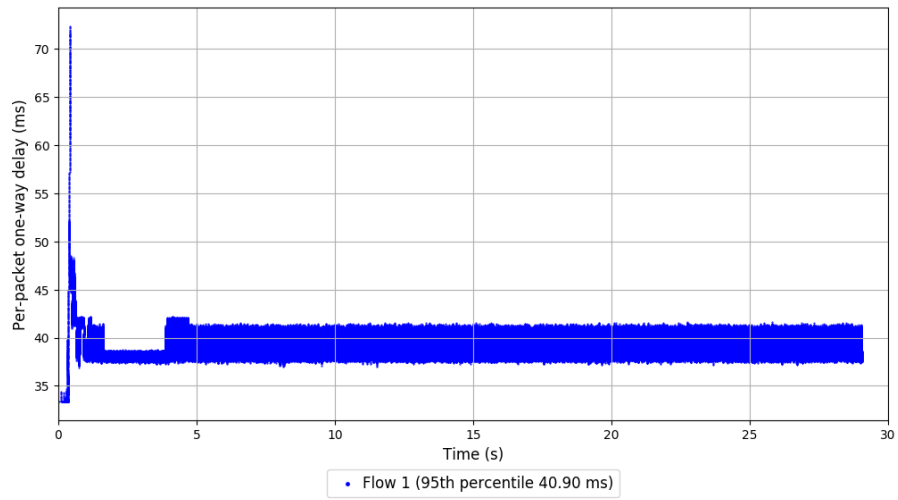
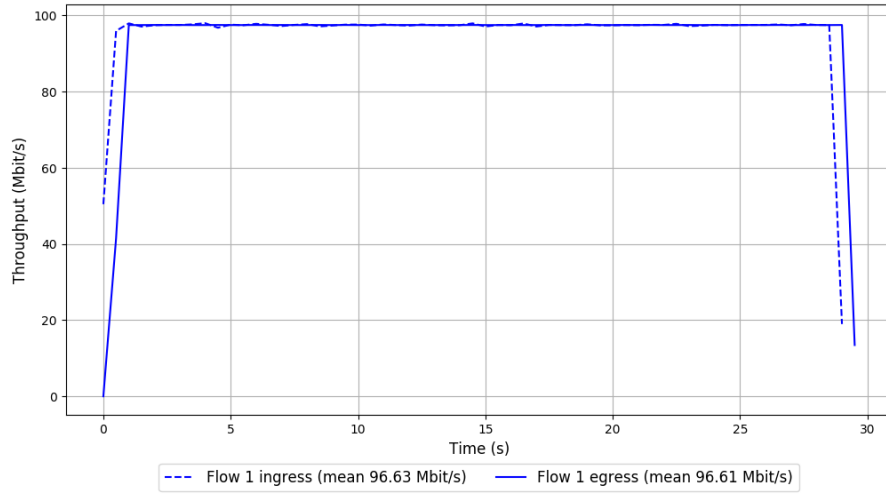


Run 5: Statistics of Indigo-MusesC3

Start at: 2019-03-19 10:14:13
End at: 2019-03-19 10:14:43
Local clock offset: -0.228 ms
Remote clock offset: -0.514 ms

Below is generated by plot.py at 2019-03-19 10:46:15
Datalink statistics
-- Total of 1 flow:
Average throughput: 96.61 Mbit/s
95th percentile per-packet one-way delay: 40.901 ms
Loss rate: 0.24%
-- Flow 1:
Average throughput: 96.61 Mbit/s
95th percentile per-packet one-way delay: 40.901 ms
Loss rate: 0.24%

Run 5: Report of Indigo-MusesC3 — Data Link

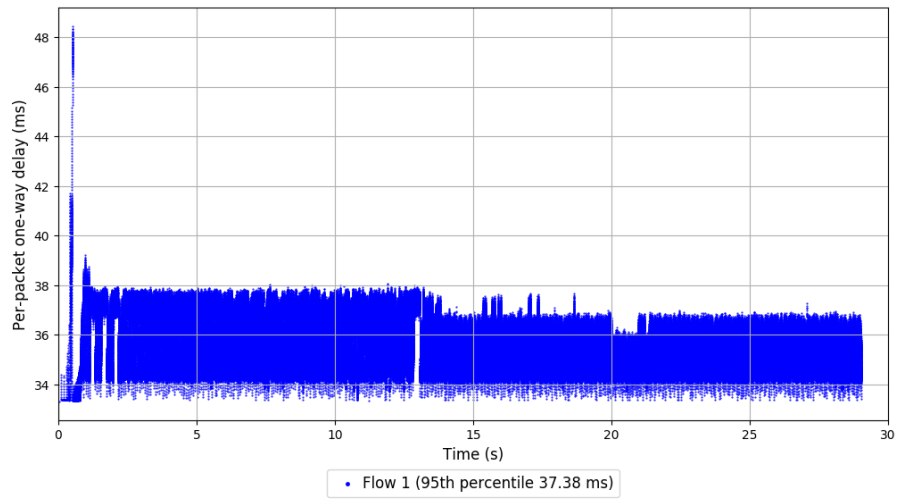
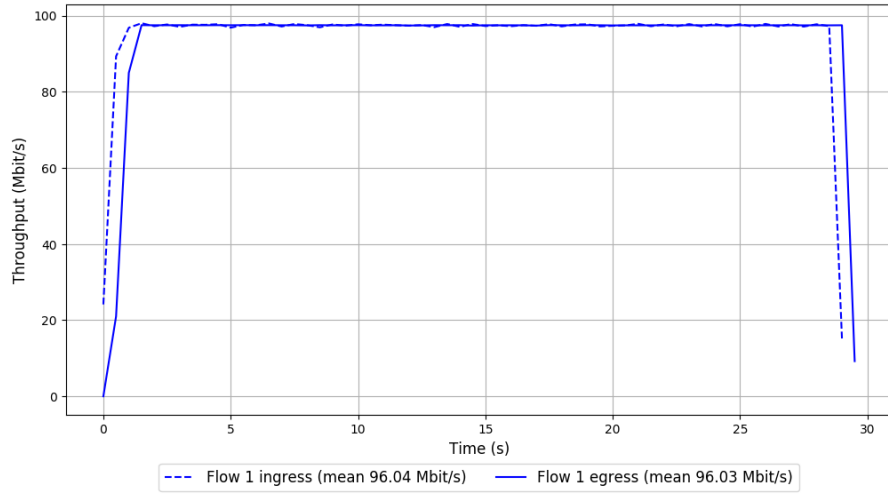


Run 1: Statistics of Indigo-MusesC5

Start at: 2019-03-19 08:54:49
End at: 2019-03-19 08:55:19
Local clock offset: 0.55 ms
Remote clock offset: -2.318 ms

Below is generated by plot.py at 2019-03-19 10:46:49
Datalink statistics
-- Total of 1 flow:
Average throughput: 96.03 Mbit/s
95th percentile per-packet one-way delay: 37.383 ms
Loss rate: 0.23%
-- Flow 1:
Average throughput: 96.03 Mbit/s
95th percentile per-packet one-way delay: 37.383 ms
Loss rate: 0.23%

Run 1: Report of Indigo-MusesC5 — Data Link



Run 2: Statistics of Indigo-MusesC5

Start at: 2019-03-19 09:19:20

End at: 2019-03-19 09:19:50

Local clock offset: 0.684 ms

Remote clock offset: -1.481 ms

Below is generated by plot.py at 2019-03-19 10:46:50

Datalink statistics

-- Total of 1 flow:

Average throughput: 96.06 Mbit/s

95th percentile per-packet one-way delay: 37.693 ms

Loss rate: 0.24%

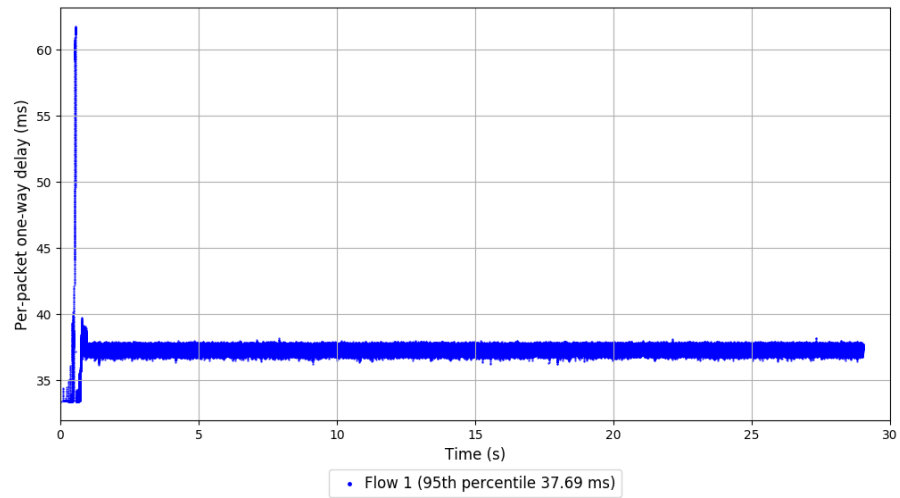
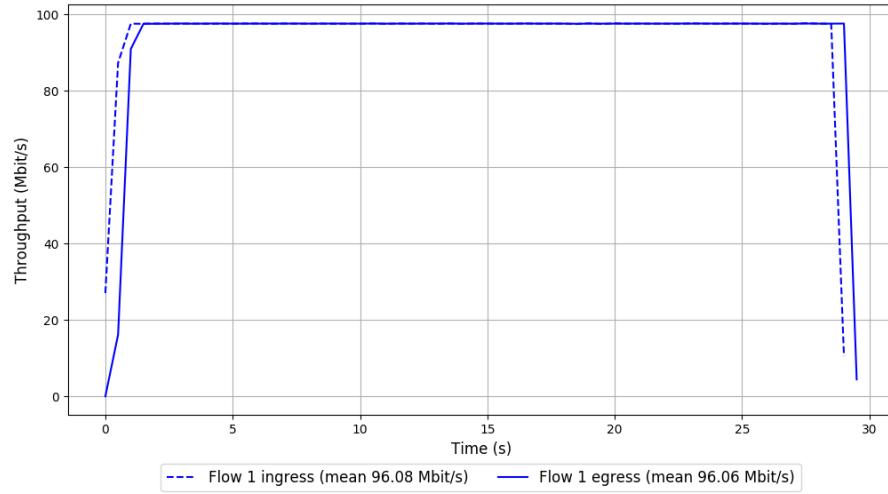
-- Flow 1:

Average throughput: 96.06 Mbit/s

95th percentile per-packet one-way delay: 37.693 ms

Loss rate: 0.24%

Run 2: Report of Indigo-MusesC5 — Data Link

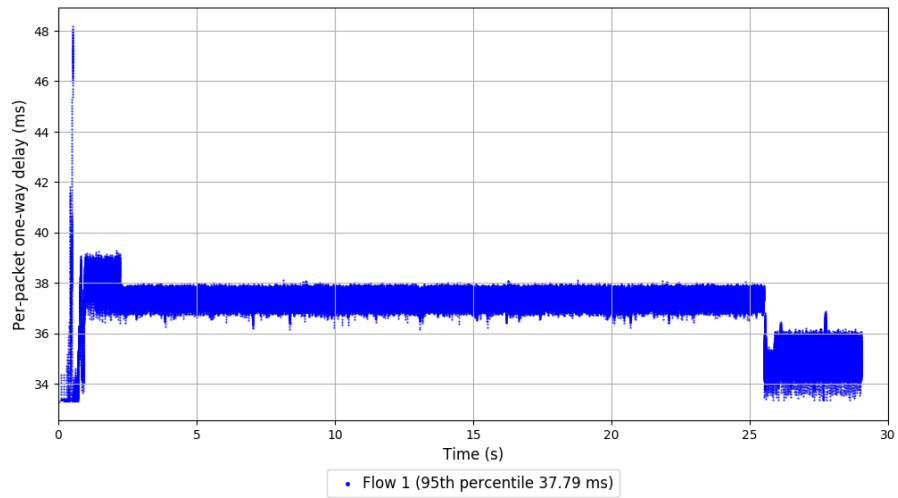
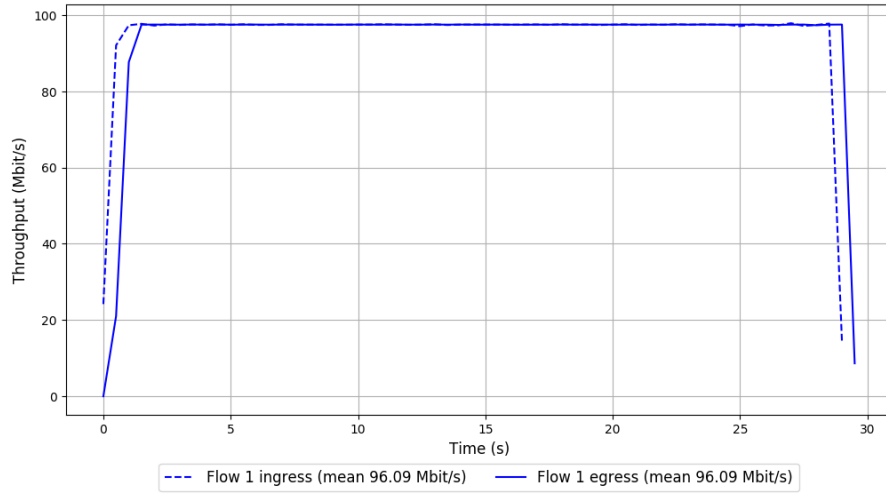


Run 3: Statistics of Indigo-MusesC5

Start at: 2019-03-19 09:43:51
End at: 2019-03-19 09:44:21
Local clock offset: 0.097 ms
Remote clock offset: -1.333 ms

Below is generated by plot.py at 2019-03-19 10:46:54
Datalink statistics
-- Total of 1 flow:
Average throughput: 96.09 Mbit/s
95th percentile per-packet one-way delay: 37.789 ms
Loss rate: 0.23%
-- Flow 1:
Average throughput: 96.09 Mbit/s
95th percentile per-packet one-way delay: 37.789 ms
Loss rate: 0.23%

Run 3: Report of Indigo-MusesC5 — Data Link

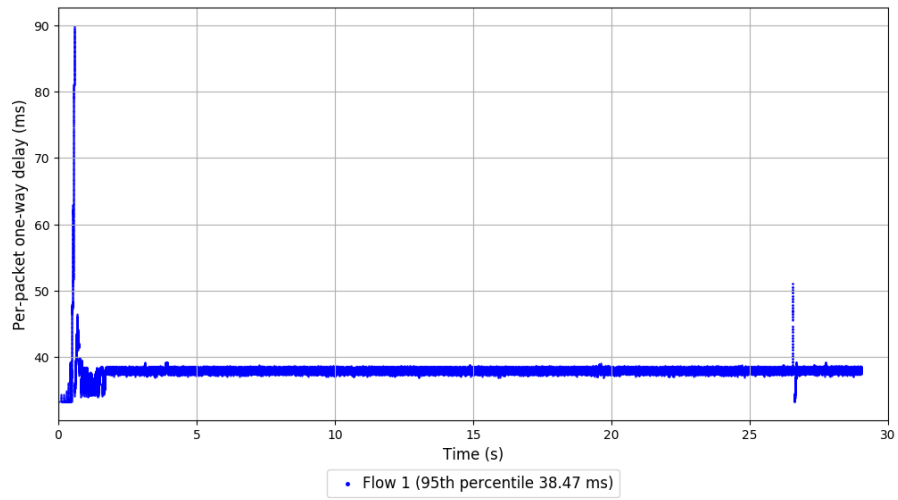
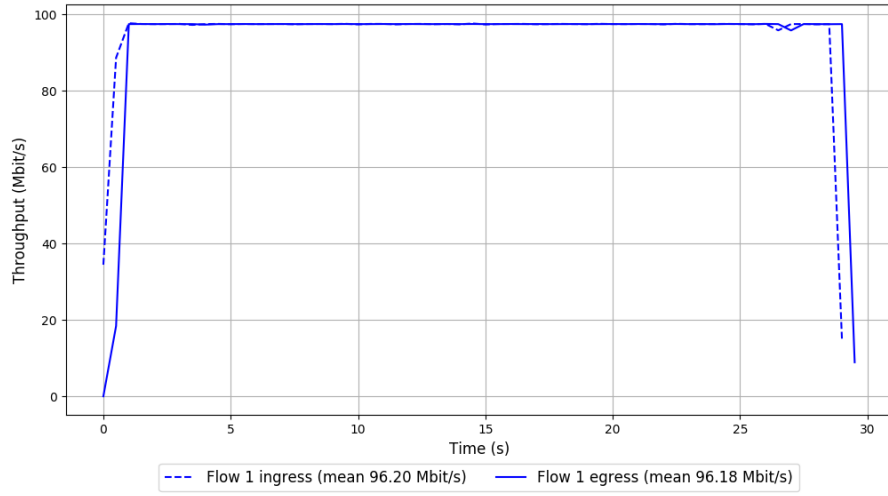


Run 4: Statistics of Indigo-MusesC5

Start at: 2019-03-19 10:08:23
End at: 2019-03-19 10:08:53
Local clock offset: -0.197 ms
Remote clock offset: -0.662 ms

Below is generated by plot.py at 2019-03-19 10:46:56
Datalink statistics
-- Total of 1 flow:
Average throughput: 96.18 Mbit/s
95th percentile per-packet one-way delay: 38.465 ms
Loss rate: 0.24%
-- Flow 1:
Average throughput: 96.18 Mbit/s
95th percentile per-packet one-way delay: 38.465 ms
Loss rate: 0.24%

Run 4: Report of Indigo-MusesC5 — Data Link



Run 5: Statistics of Indigo-MusesC5

Start at: 2019-03-19 10:32:54

End at: 2019-03-19 10:33:24

Local clock offset: 0.279 ms

Remote clock offset: -0.507 ms

Below is generated by plot.py at 2019-03-19 10:47:16

Datalink statistics

-- Total of 1 flow:

Average throughput: 96.21 Mbit/s

95th percentile per-packet one-way delay: 38.507 ms

Loss rate: 0.24%

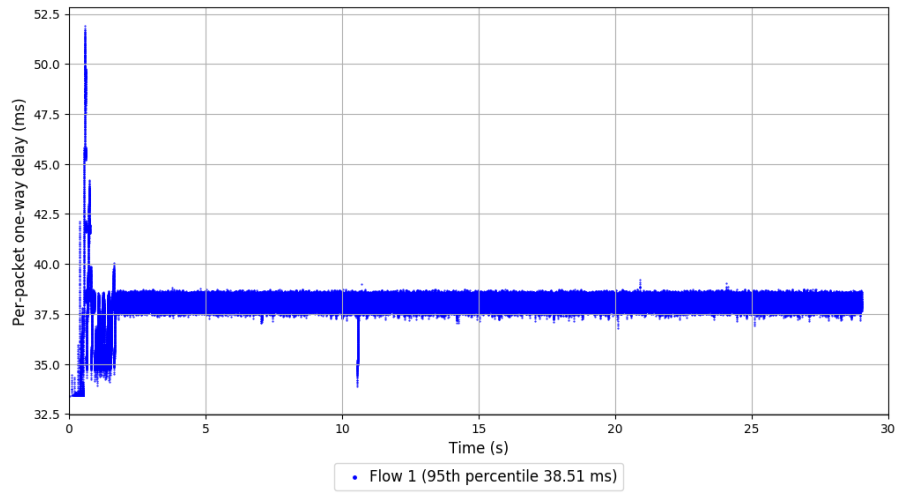
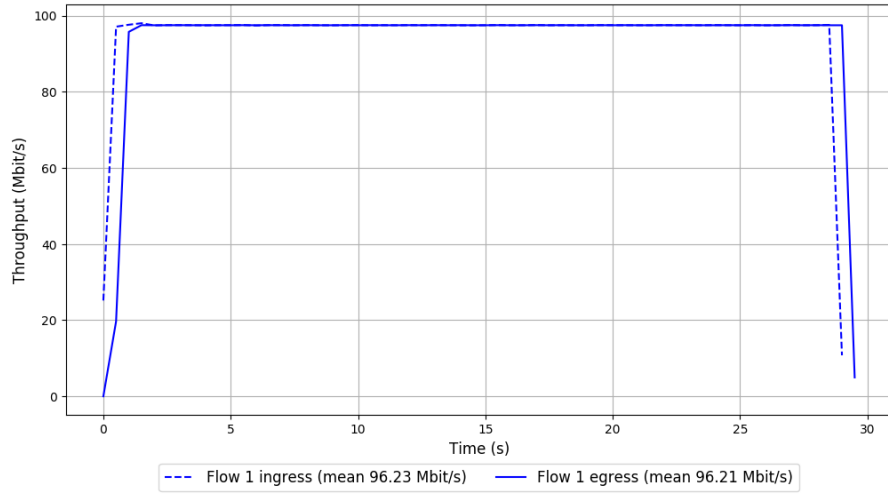
-- Flow 1:

Average throughput: 96.21 Mbit/s

95th percentile per-packet one-way delay: 38.507 ms

Loss rate: 0.24%

Run 5: Report of Indigo-MusesC5 — Data Link

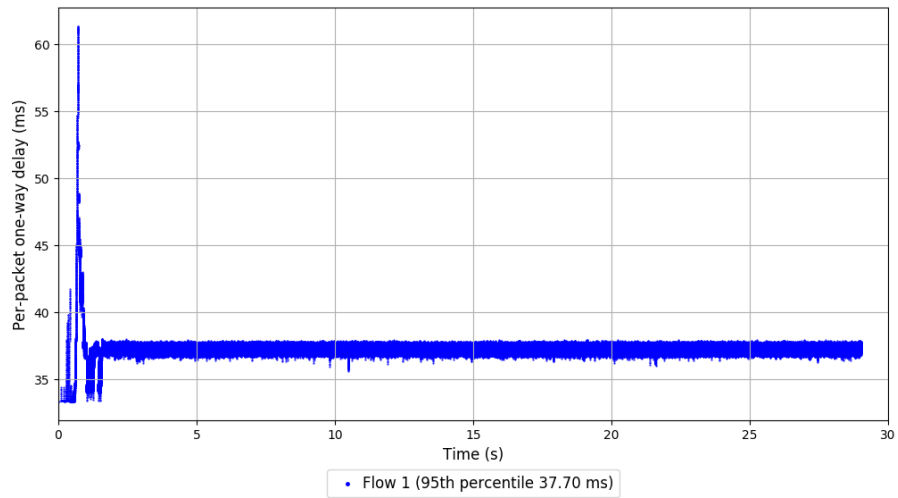
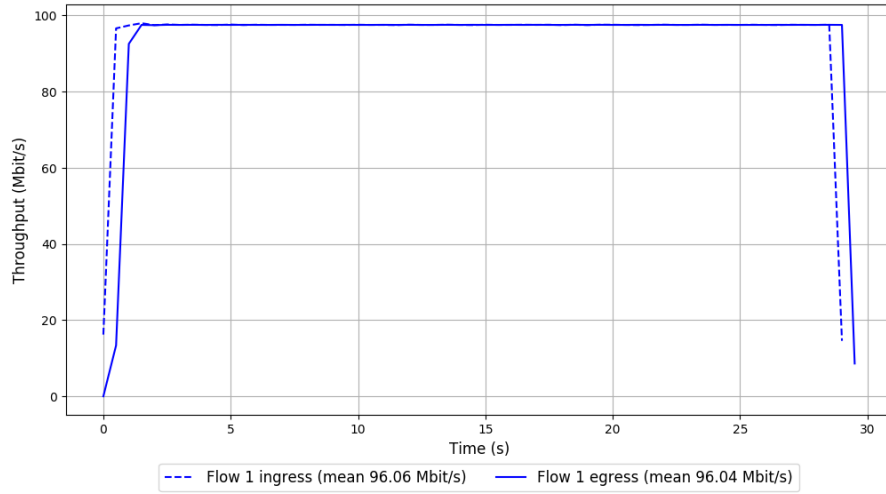


Run 1: Statistics of Indigo-MusesD

Start at: 2019-03-19 08:40:47
End at: 2019-03-19 08:41:17
Local clock offset: 0.067 ms
Remote clock offset: -2.808 ms

Below is generated by plot.py at 2019-03-19 10:47:21
Datalink statistics
-- Total of 1 flow:
Average throughput: 96.04 Mbit/s
95th percentile per-packet one-way delay: 37.698 ms
Loss rate: 0.24%
-- Flow 1:
Average throughput: 96.04 Mbit/s
95th percentile per-packet one-way delay: 37.698 ms
Loss rate: 0.24%

Run 1: Report of Indigo-MusesD — Data Link



Run 2: Statistics of Indigo-MusesD

Start at: 2019-03-19 09:05:19

End at: 2019-03-19 09:05:49

Local clock offset: 0.787 ms

Remote clock offset: -1.852 ms

Below is generated by plot.py at 2019-03-19 10:47:23

Datalink statistics

-- Total of 1 flow:

Average throughput: 96.14 Mbit/s

95th percentile per-packet one-way delay: 37.675 ms

Loss rate: 0.24%

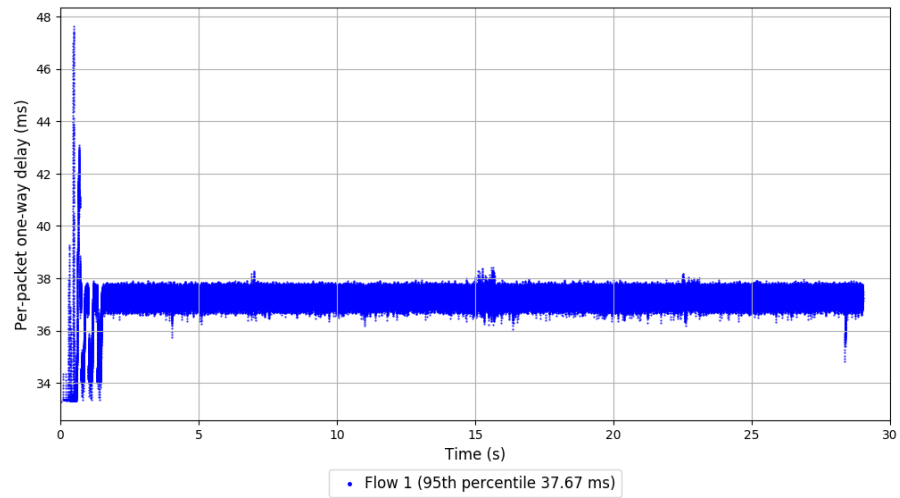
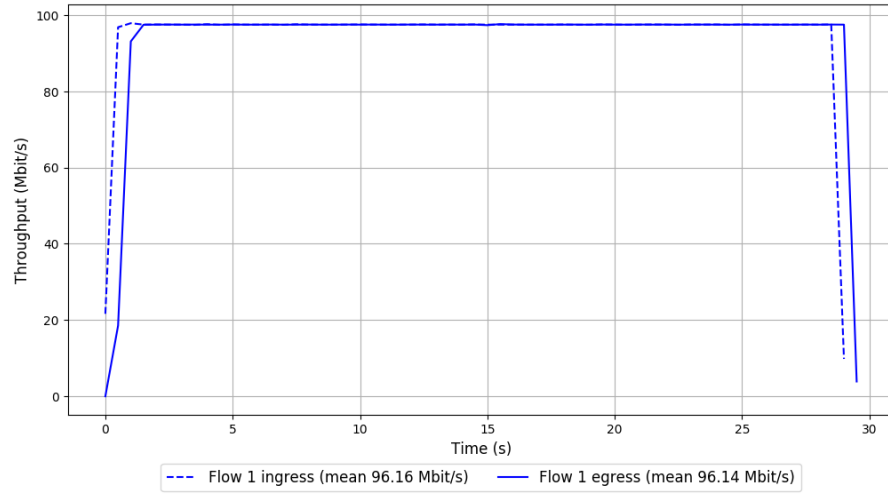
-- Flow 1:

Average throughput: 96.14 Mbit/s

95th percentile per-packet one-way delay: 37.675 ms

Loss rate: 0.24%

Run 2: Report of Indigo-MusesD — Data Link



Run 3: Statistics of Indigo-MusesD

Start at: 2019-03-19 09:29:50

End at: 2019-03-19 09:30:20

Local clock offset: 0.273 ms

Remote clock offset: -1.674 ms

Below is generated by plot.py at 2019-03-19 10:47:26

Datalink statistics

-- Total of 1 flow:

Average throughput: 96.23 Mbit/s

95th percentile per-packet one-way delay: 38.313 ms

Loss rate: 0.24%

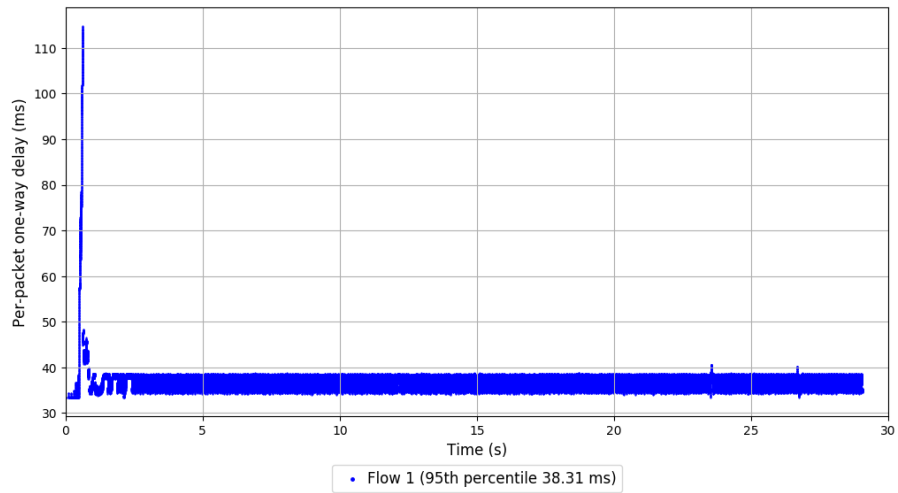
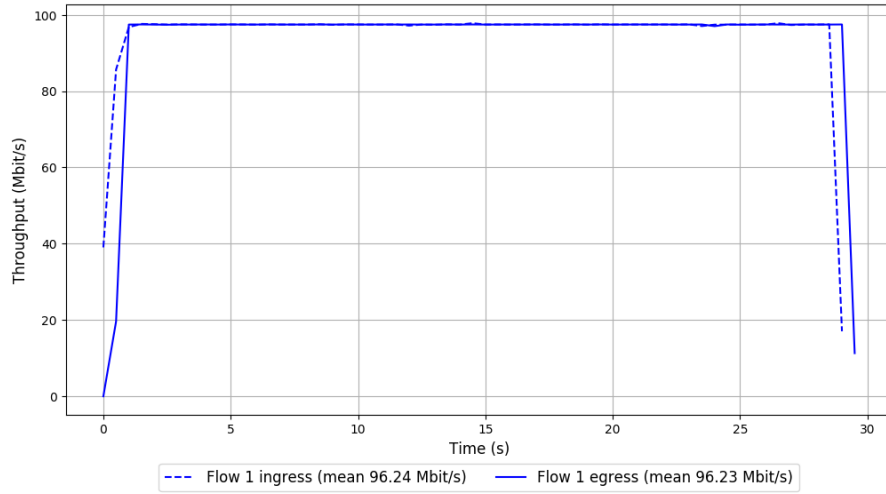
-- Flow 1:

Average throughput: 96.23 Mbit/s

95th percentile per-packet one-way delay: 38.313 ms

Loss rate: 0.24%

Run 3: Report of Indigo-MusesD — Data Link



Run 4: Statistics of Indigo-MusesD

Start at: 2019-03-19 09:54:21

End at: 2019-03-19 09:54:51

Local clock offset: -0.053 ms

Remote clock offset: -1.08 ms

Below is generated by plot.py at 2019-03-19 10:47:59

Datalink statistics

-- Total of 1 flow:

Average throughput: 95.52 Mbit/s

95th percentile per-packet one-way delay: 37.049 ms

Loss rate: 0.24%

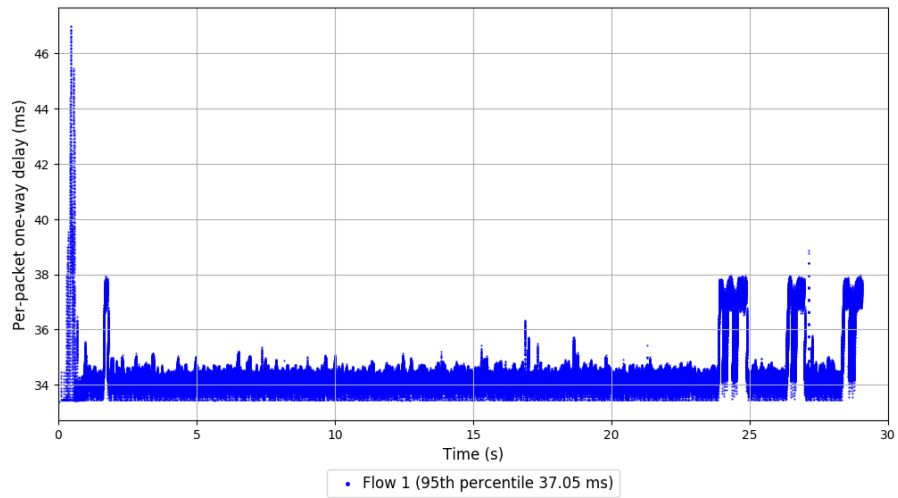
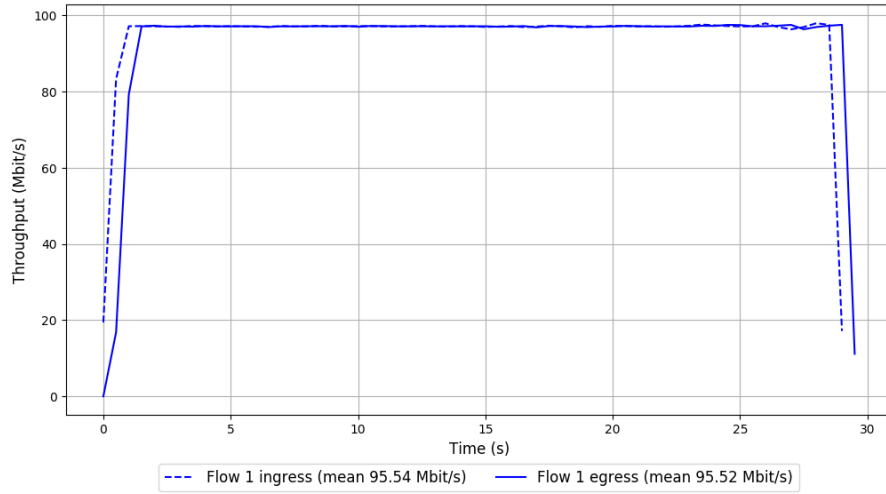
-- Flow 1:

Average throughput: 95.52 Mbit/s

95th percentile per-packet one-way delay: 37.049 ms

Loss rate: 0.24%

Run 4: Report of Indigo-MusesD — Data Link

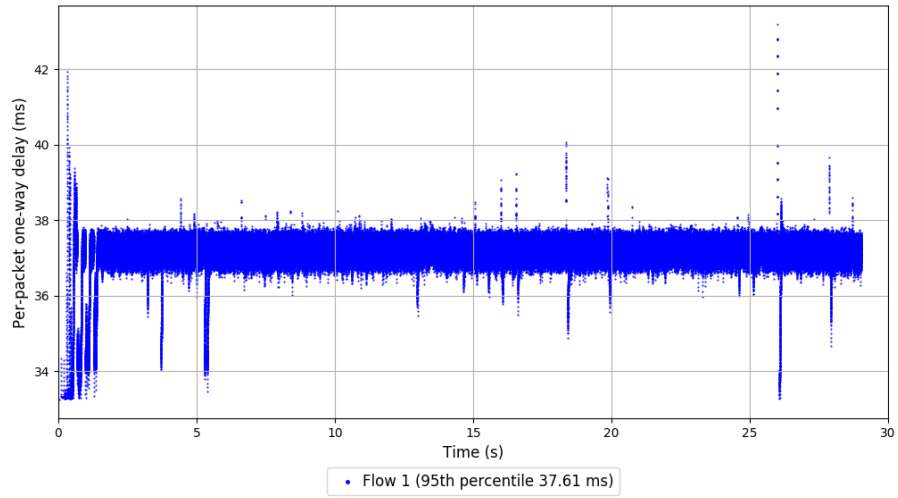
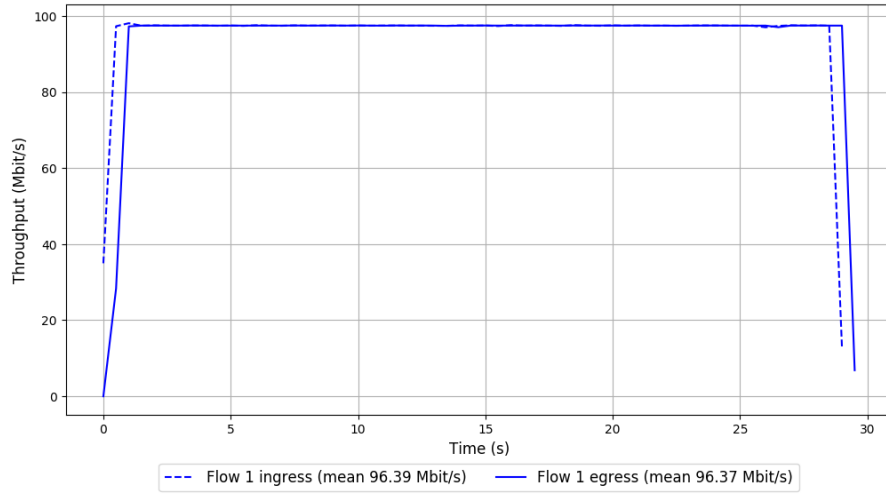


Run 5: Statistics of Indigo-MusesD

Start at: 2019-03-19 10:18:53
End at: 2019-03-19 10:19:23
Local clock offset: -0.097 ms
Remote clock offset: -0.348 ms

Below is generated by plot.py at 2019-03-19 10:48:00
Datalink statistics
-- Total of 1 flow:
Average throughput: 96.37 Mbit/s
95th percentile per-packet one-way delay: 37.606 ms
Loss rate: 0.24%
-- Flow 1:
Average throughput: 96.37 Mbit/s
95th percentile per-packet one-way delay: 37.606 ms
Loss rate: 0.24%

Run 5: Report of Indigo-MusesD — Data Link



Run 1: Statistics of Indigo-MusesT

Start at: 2019-03-19 08:48:55

End at: 2019-03-19 08:49:25

Local clock offset: 0.261 ms

Remote clock offset: -2.706 ms

Below is generated by plot.py at 2019-03-19 10:48:04

Datalink statistics

-- Total of 1 flow:

Average throughput: 96.57 Mbit/s

95th percentile per-packet one-way delay: 41.740 ms

Loss rate: 0.84%

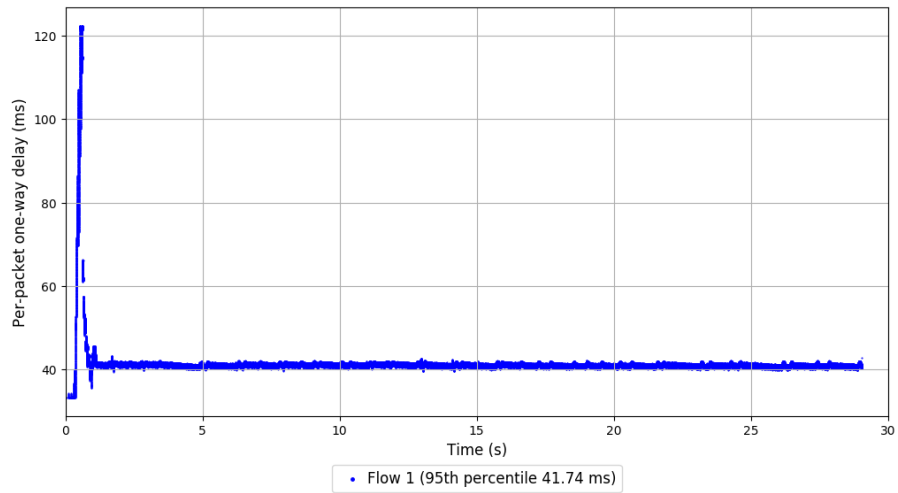
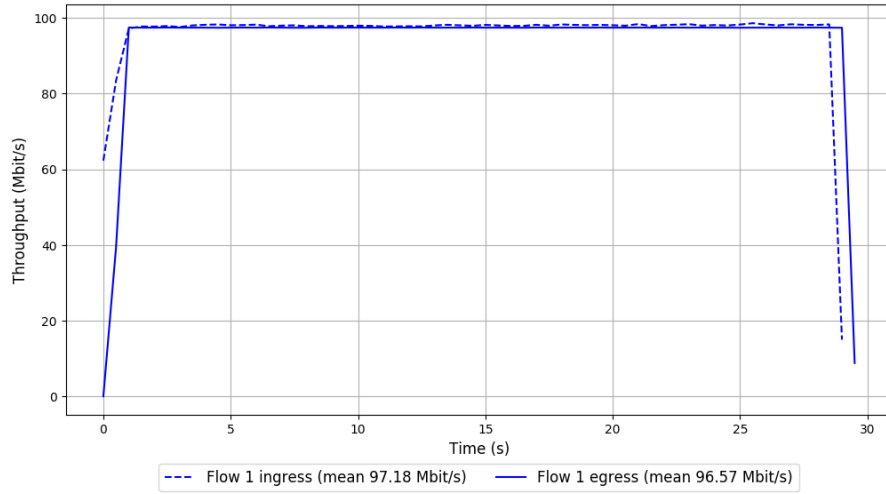
-- Flow 1:

Average throughput: 96.57 Mbit/s

95th percentile per-packet one-way delay: 41.740 ms

Loss rate: 0.84%

Run 1: Report of Indigo-MusesT — Data Link



Run 2: Statistics of Indigo-MusesT

Start at: 2019-03-19 09:13:27

End at: 2019-03-19 09:13:57

Local clock offset: 0.912 ms

Remote clock offset: -1.575 ms

Below is generated by plot.py at 2019-03-19 10:48:08

Datalink statistics

-- Total of 1 flow:

Average throughput: 96.56 Mbit/s

95th percentile per-packet one-way delay: 45.162 ms

Loss rate: 0.88%

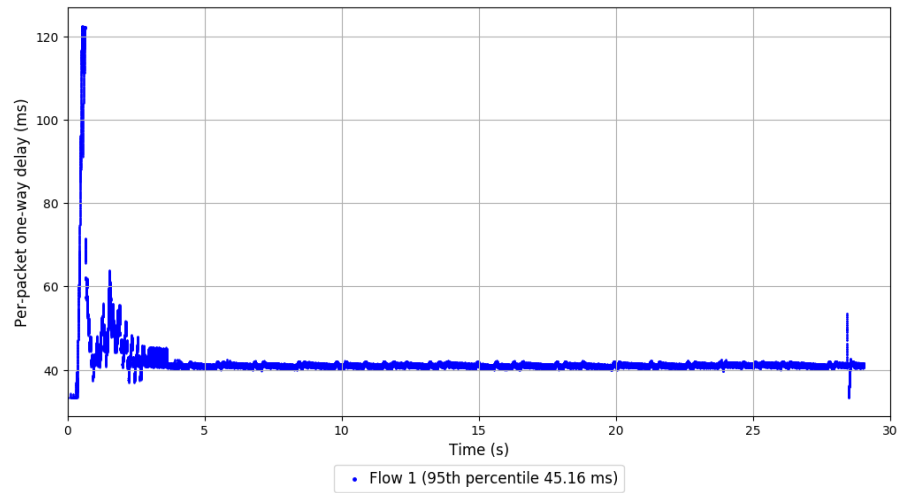
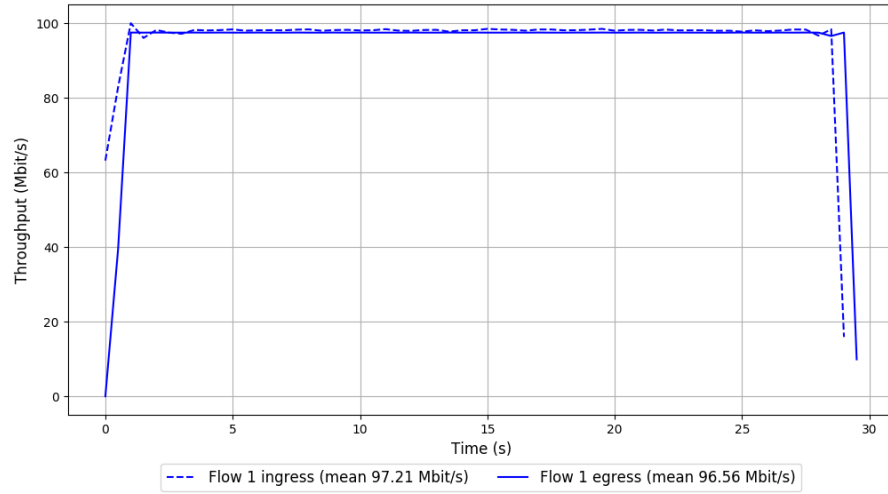
-- Flow 1:

Average throughput: 96.56 Mbit/s

95th percentile per-packet one-way delay: 45.162 ms

Loss rate: 0.88%

Run 2: Report of Indigo-MusesT — Data Link



Run 3: Statistics of Indigo-MuseST

Start at: 2019-03-19 09:37:58

End at: 2019-03-19 09:38:28

Local clock offset: 0.144 ms

Remote clock offset: -1.38 ms

Below is generated by plot.py at 2019-03-19 10:48:27

Datalink statistics

-- Total of 1 flow:

Average throughput: 96.17 Mbit/s

95th percentile per-packet one-way delay: 41.762 ms

Loss rate: 1.10%

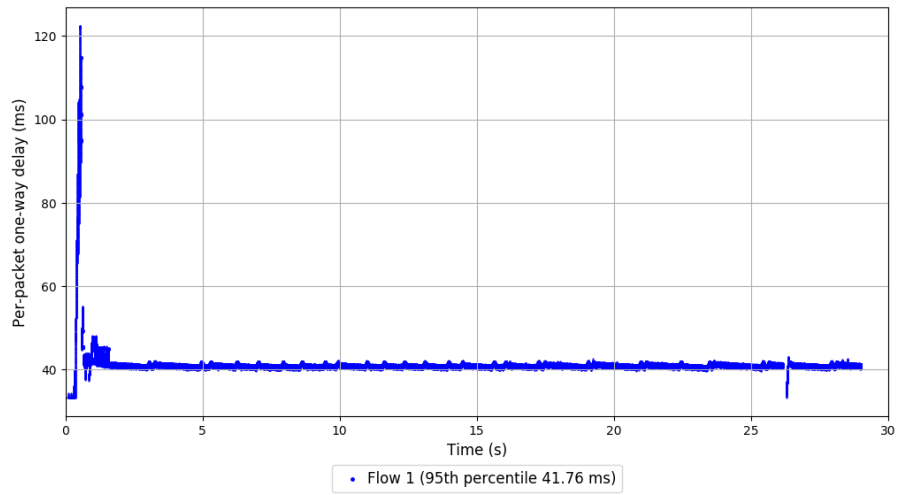
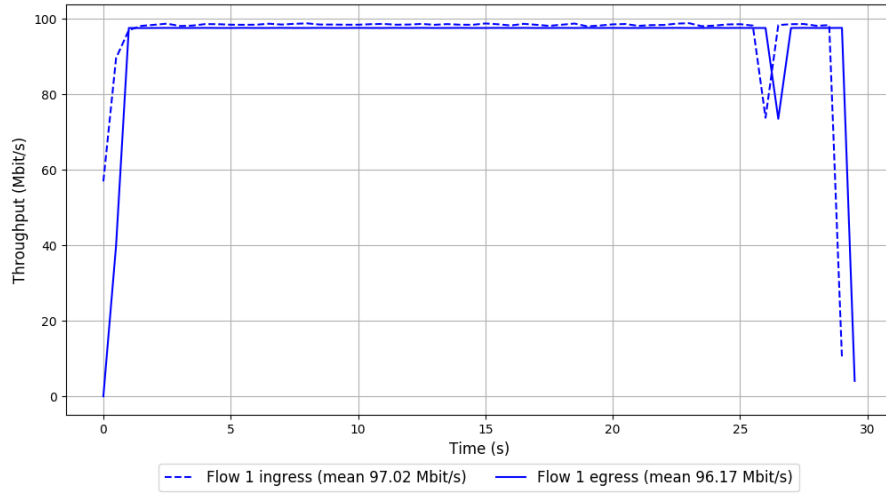
-- Flow 1:

Average throughput: 96.17 Mbit/s

95th percentile per-packet one-way delay: 41.762 ms

Loss rate: 1.10%

Run 3: Report of Indigo-MusesT — Data Link

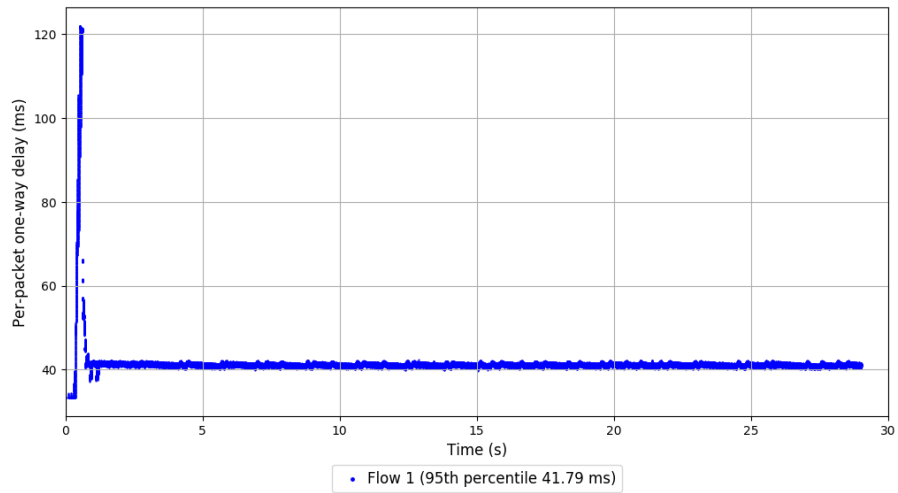
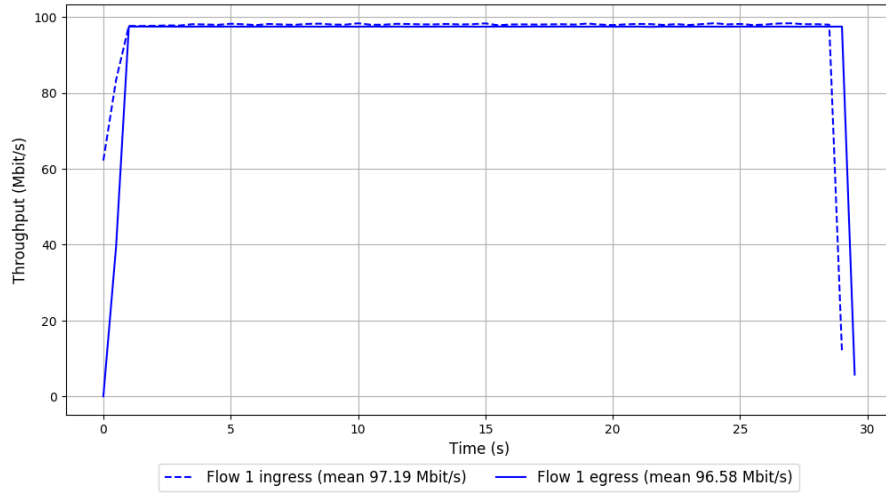


Run 4: Statistics of Indigo-MuseST

Start at: 2019-03-19 10:02:29
End at: 2019-03-19 10:02:59
Local clock offset: -0.145 ms
Remote clock offset: -0.789 ms

Below is generated by plot.py at 2019-03-19 10:48:32
Datalink statistics
-- Total of 1 flow:
Average throughput: 96.58 Mbit/s
95th percentile per-packet one-way delay: 41.787 ms
Loss rate: 0.85%
-- Flow 1:
Average throughput: 96.58 Mbit/s
95th percentile per-packet one-way delay: 41.787 ms
Loss rate: 0.85%

Run 4: Report of Indigo-MusesT — Data Link



Run 5: Statistics of Indigo-MuseST

Start at: 2019-03-19 10:27:01

End at: 2019-03-19 10:27:31

Local clock offset: 0.176 ms

Remote clock offset: -0.58 ms

Below is generated by plot.py at 2019-03-19 10:48:34

Datalink statistics

-- Total of 1 flow:

Average throughput: 96.54 Mbit/s

95th percentile per-packet one-way delay: 44.576 ms

Loss rate: 1.36%

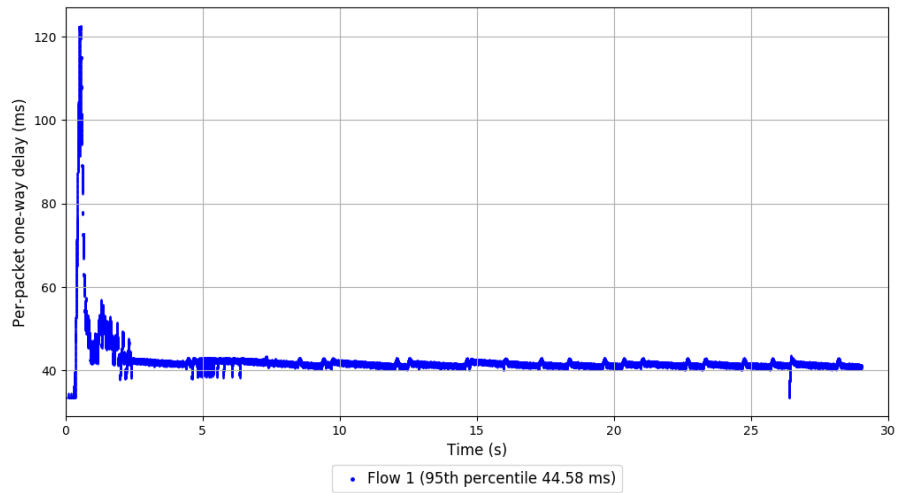
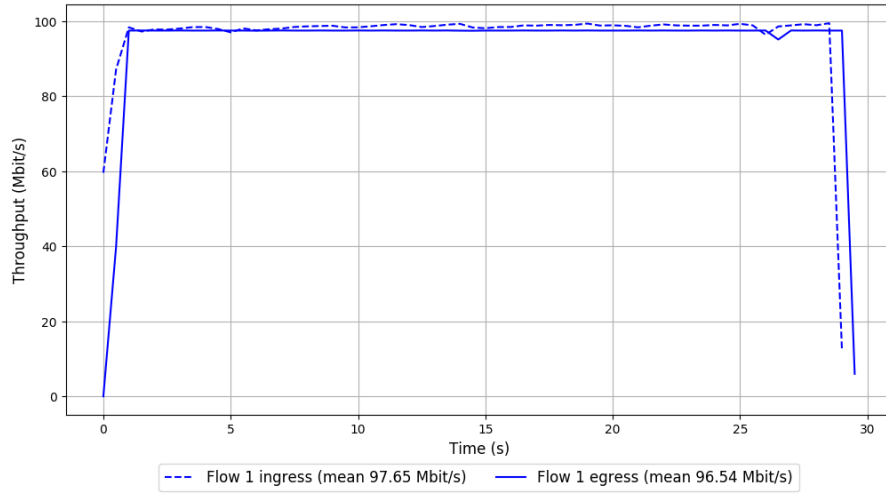
-- Flow 1:

Average throughput: 96.54 Mbit/s

95th percentile per-packet one-way delay: 44.576 ms

Loss rate: 1.36%

Run 5: Report of Indigo-MusesT — Data Link



Run 1: Statistics of LEDBAT

Start at: 2019-03-19 08:47:45

End at: 2019-03-19 08:48:15

Local clock offset: 0.177 ms

Remote clock offset: -2.874 ms

Below is generated by plot.py at 2019-03-19 10:48:34

Datalink statistics

-- Total of 1 flow:

Average throughput: 63.18 Mbit/s

95th percentile per-packet one-way delay: 39.719 ms

Loss rate: 0.20%

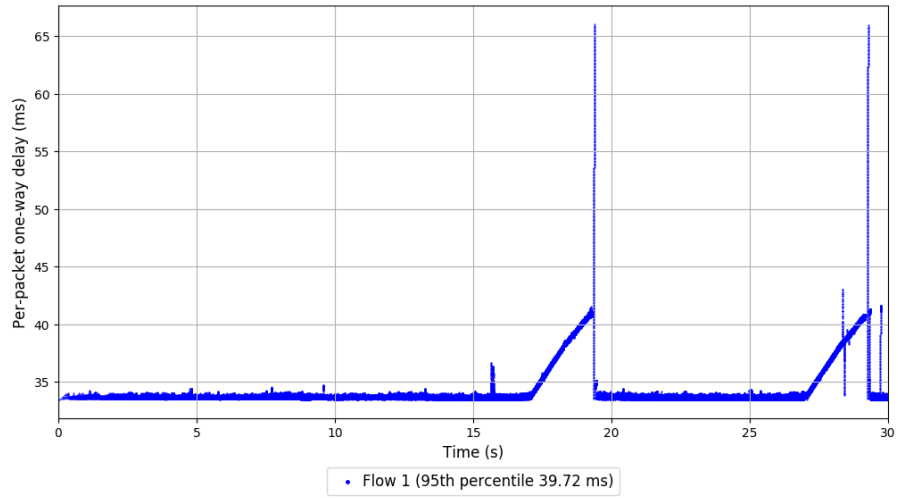
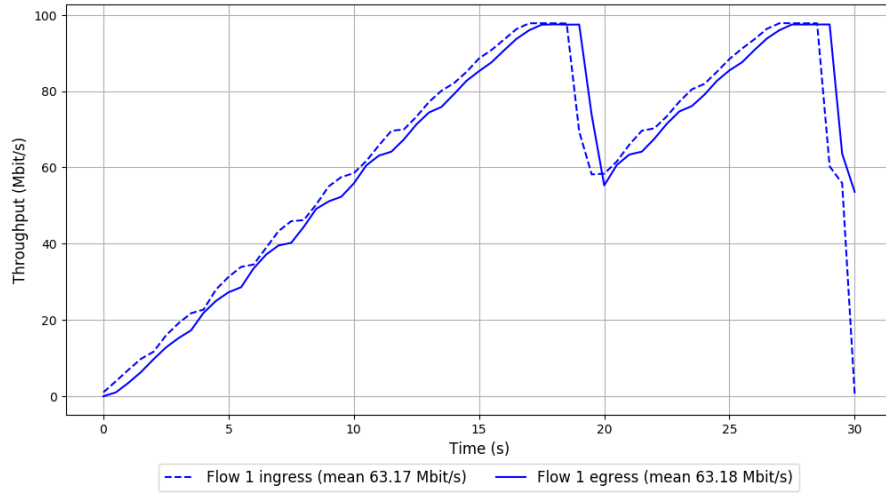
-- Flow 1:

Average throughput: 63.18 Mbit/s

95th percentile per-packet one-way delay: 39.719 ms

Loss rate: 0.20%

Run 1: Report of LEDBAT — Data Link



Run 2: Statistics of LEDBAT

Start at: 2019-03-19 09:12:17

End at: 2019-03-19 09:12:47

Local clock offset: 0.903 ms

Remote clock offset: -1.797 ms

Below is generated by plot.py at 2019-03-19 10:48:50

Datalink statistics

-- Total of 1 flow:

Average throughput: 63.48 Mbit/s

95th percentile per-packet one-way delay: 40.008 ms

Loss rate: 0.20%

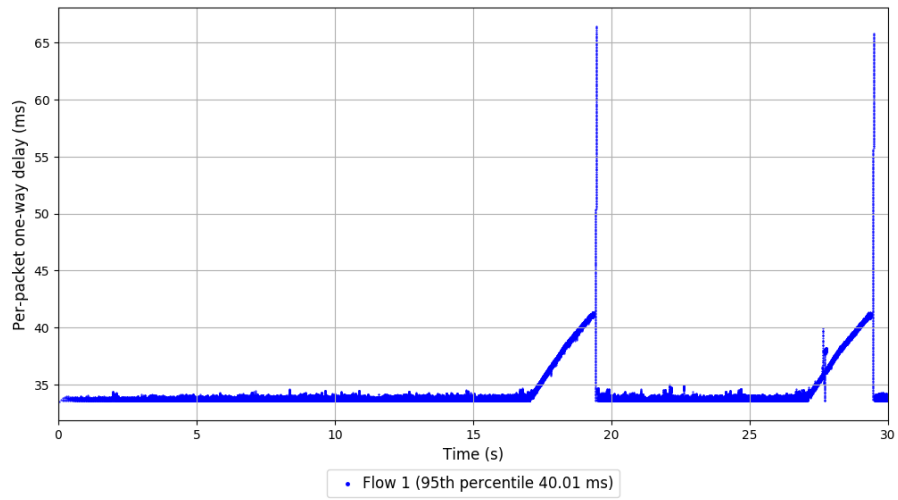
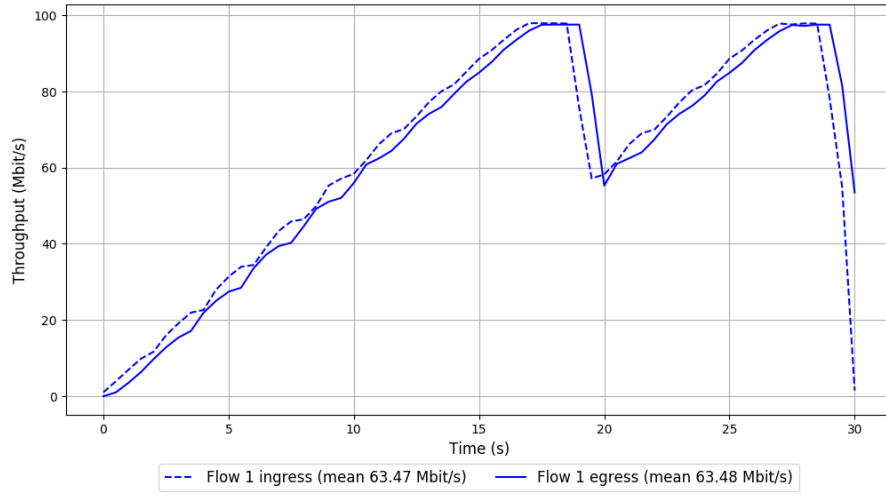
-- Flow 1:

Average throughput: 63.48 Mbit/s

95th percentile per-packet one-way delay: 40.008 ms

Loss rate: 0.20%

Run 2: Report of LEDBAT — Data Link



Run 3: Statistics of LEDBAT

Start at: 2019-03-19 09:36:48

End at: 2019-03-19 09:37:18

Local clock offset: 0.169 ms

Remote clock offset: -1.453 ms

Below is generated by plot.py at 2019-03-19 10:48:51

Datalink statistics

-- Total of 1 flow:

Average throughput: 63.21 Mbit/s

95th percentile per-packet one-way delay: 39.485 ms

Loss rate: 0.20%

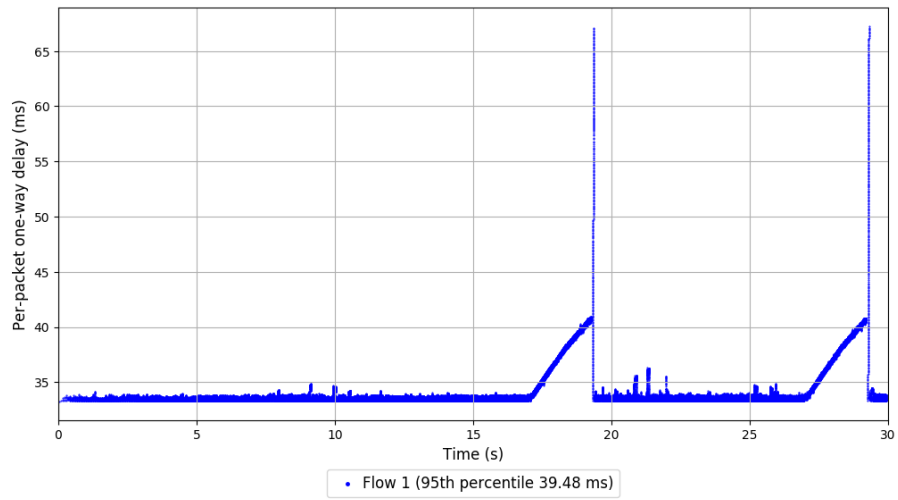
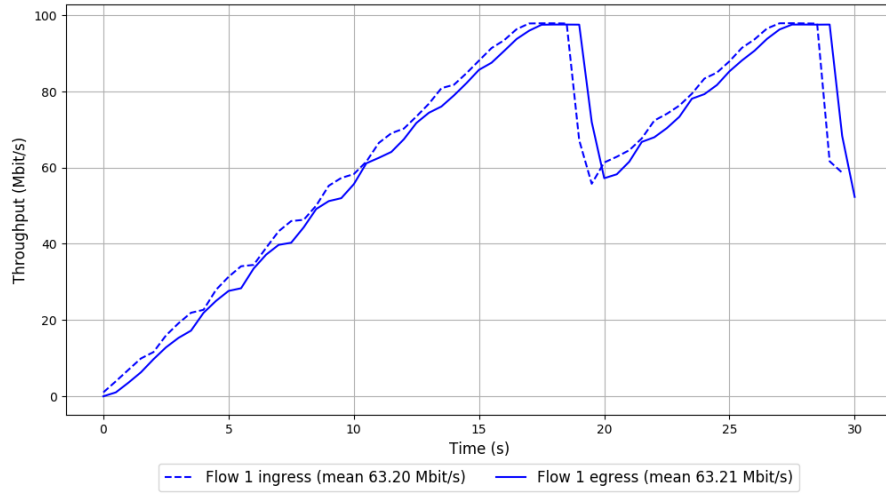
-- Flow 1:

Average throughput: 63.21 Mbit/s

95th percentile per-packet one-way delay: 39.485 ms

Loss rate: 0.20%

Run 3: Report of LEDBAT — Data Link

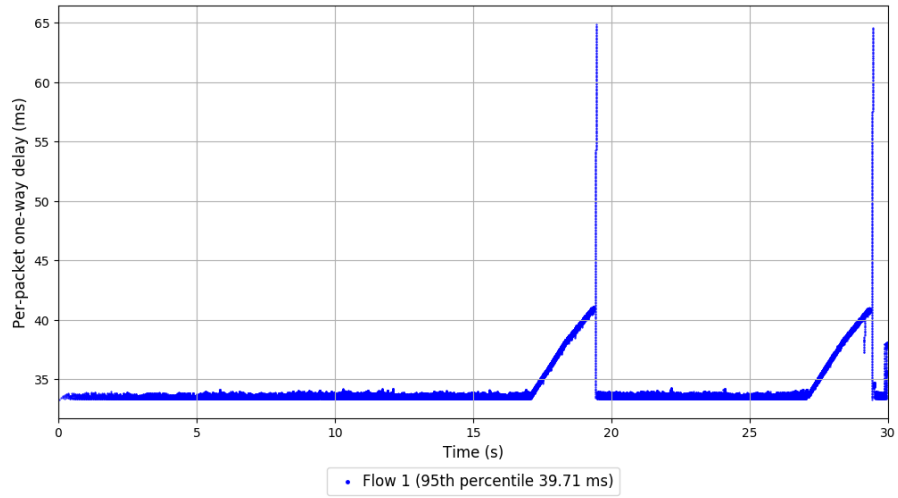
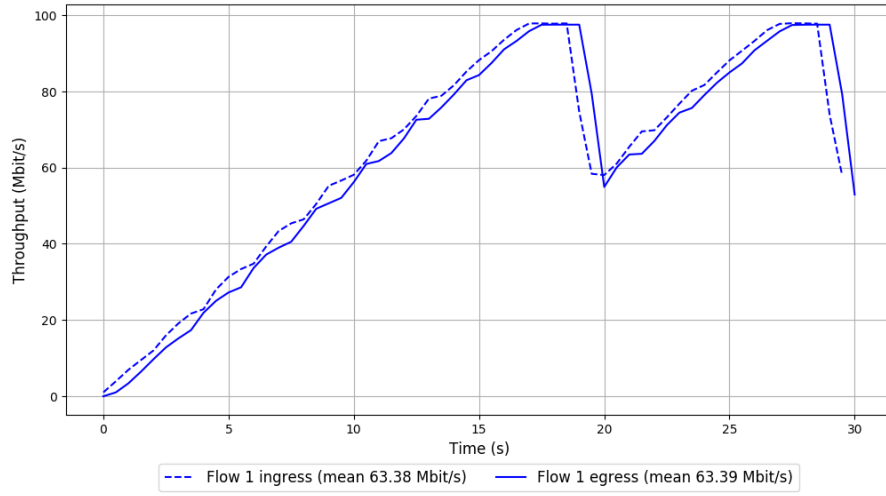


Run 4: Statistics of LEDBAT

Start at: 2019-03-19 10:01:19
End at: 2019-03-19 10:01:49
Local clock offset: -0.136 ms
Remote clock offset: -0.834 ms

Below is generated by plot.py at 2019-03-19 10:48:53
Datalink statistics
-- Total of 1 flow:
Average throughput: 63.39 Mbit/s
95th percentile per-packet one-way delay: 39.714 ms
Loss rate: 0.20%
-- Flow 1:
Average throughput: 63.39 Mbit/s
95th percentile per-packet one-way delay: 39.714 ms
Loss rate: 0.20%

Run 4: Report of LEDBAT — Data Link

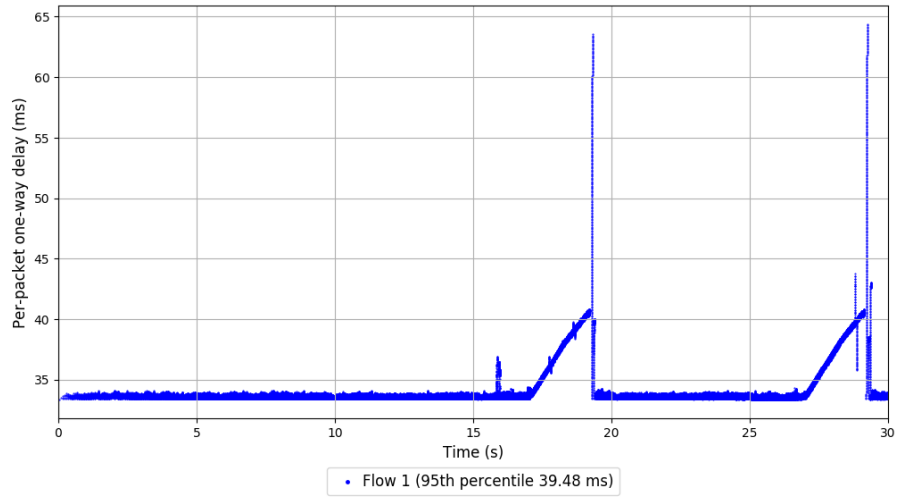
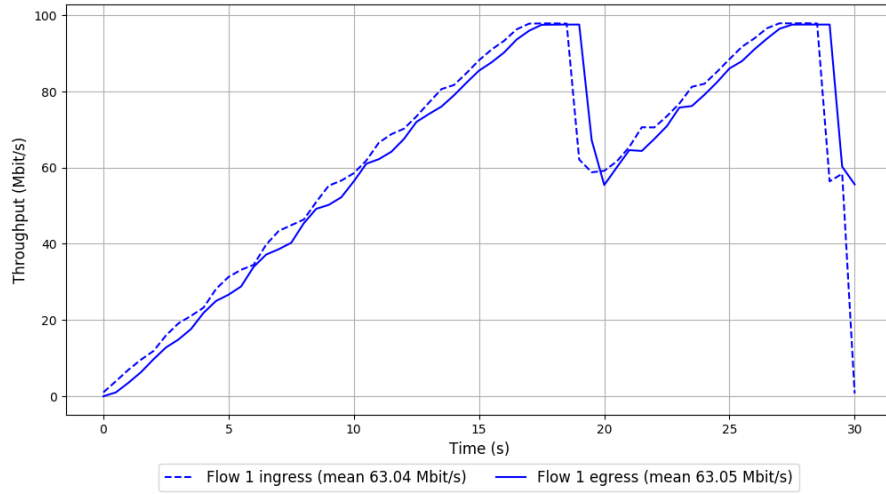


Run 5: Statistics of LEDBAT

Start at: 2019-03-19 10:25:51
End at: 2019-03-19 10:26:21
Local clock offset: 0.158 ms
Remote clock offset: -0.573 ms

Below is generated by plot.py at 2019-03-19 10:48:55
Datalink statistics
-- Total of 1 flow:
Average throughput: 63.05 Mbit/s
95th percentile per-packet one-way delay: 39.485 ms
Loss rate: 0.20%
-- Flow 1:
Average throughput: 63.05 Mbit/s
95th percentile per-packet one-way delay: 39.485 ms
Loss rate: 0.20%

Run 5: Report of LEDBAT — Data Link



Run 1: Statistics of PCC-Allegro

Start at: 2019-03-19 08:50:06

End at: 2019-03-19 08:50:36

Local clock offset: 0.344 ms

Remote clock offset: -2.61 ms

Below is generated by plot.py at 2019-03-19 10:49:28

Datalink statistics

-- Total of 1 flow:

Average throughput: 91.98 Mbit/s

95th percentile per-packet one-way delay: 39.189 ms

Loss rate: 0.23%

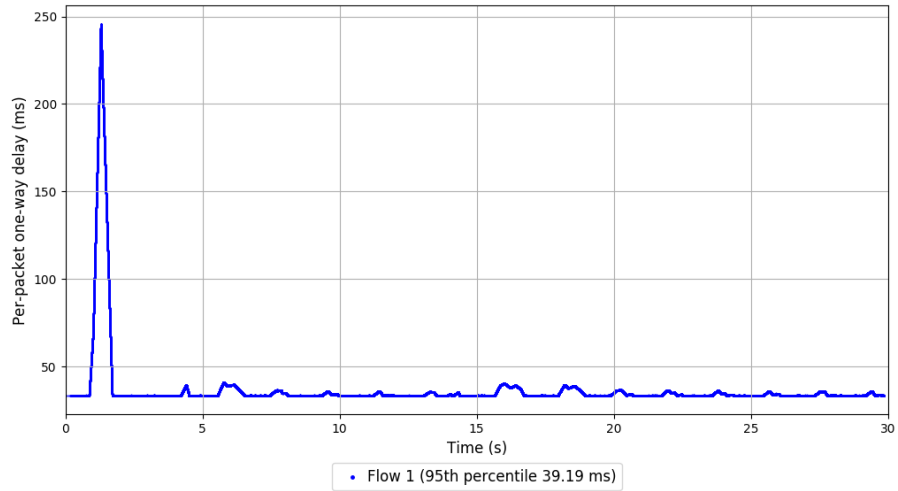
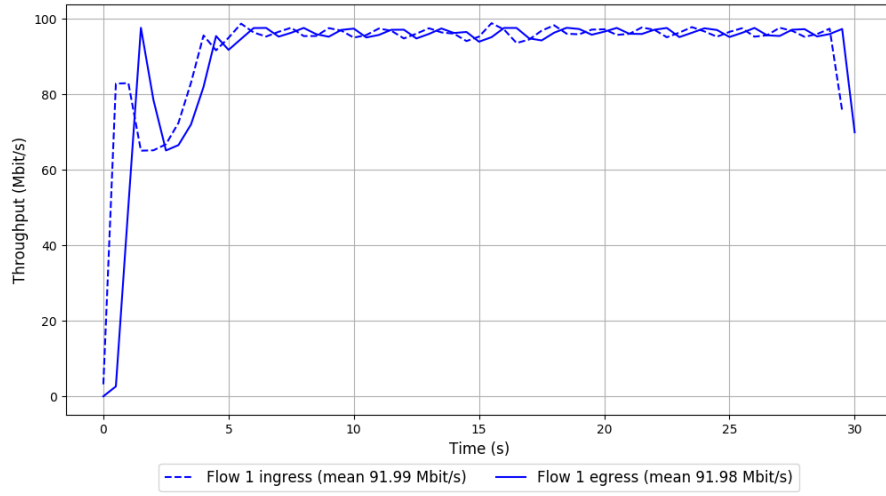
-- Flow 1:

Average throughput: 91.98 Mbit/s

95th percentile per-packet one-way delay: 39.189 ms

Loss rate: 0.23%

Run 1: Report of PCC-Allegro — Data Link



Run 2: Statistics of PCC-Allegro

Start at: 2019-03-19 09:14:37

End at: 2019-03-19 09:15:07

Local clock offset: 0.908 ms

Remote clock offset: -1.72 ms

Below is generated by plot.py at 2019-03-19 10:49:36

Datalink statistics

-- Total of 1 flow:

Average throughput: 92.04 Mbit/s

95th percentile per-packet one-way delay: 39.176 ms

Loss rate: 0.23%

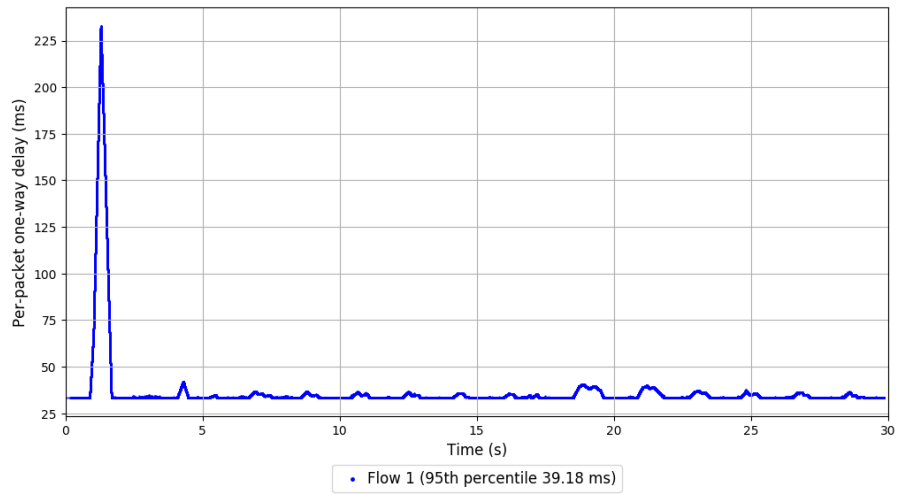
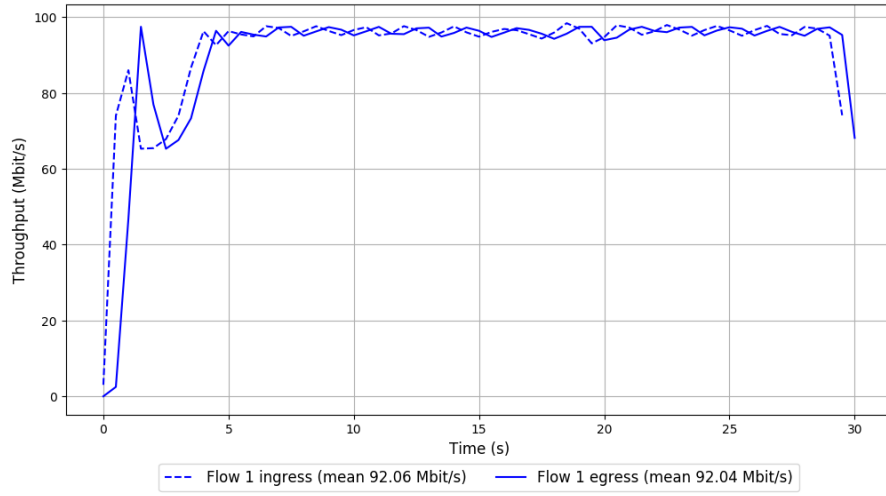
-- Flow 1:

Average throughput: 92.04 Mbit/s

95th percentile per-packet one-way delay: 39.176 ms

Loss rate: 0.23%

Run 2: Report of PCC-Allegro — Data Link



Run 3: Statistics of PCC-Allegro

Start at: 2019-03-19 09:39:08

End at: 2019-03-19 09:39:38

Local clock offset: 0.149 ms

Remote clock offset: -1.392 ms

Below is generated by plot.py at 2019-03-19 10:49:41

Datalink statistics

-- Total of 1 flow:

Average throughput: 91.56 Mbit/s

95th percentile per-packet one-way delay: 39.298 ms

Loss rate: 0.24%

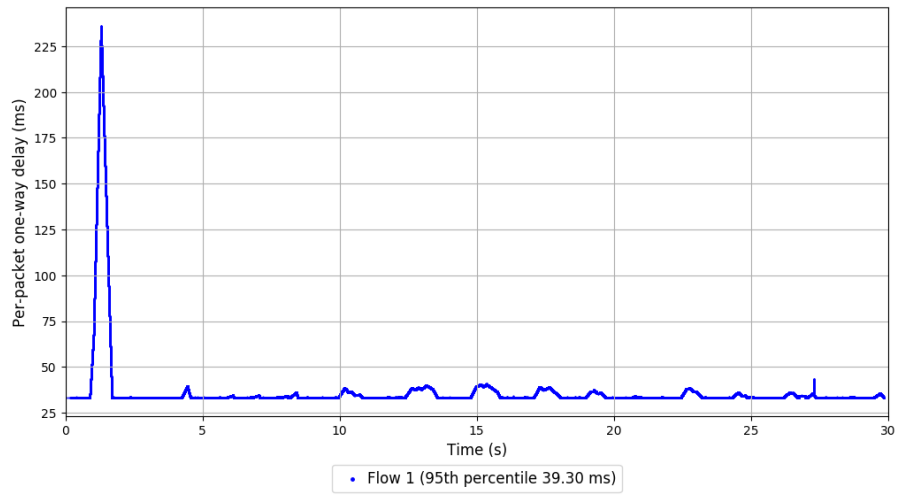
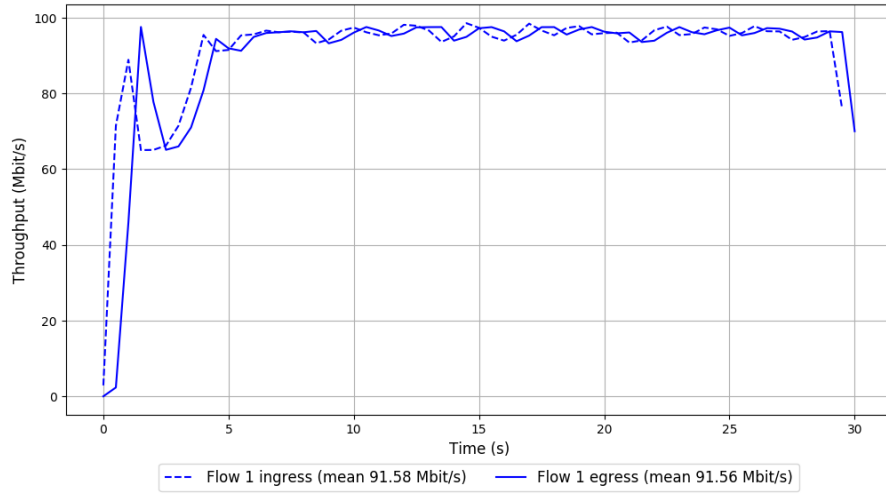
-- Flow 1:

Average throughput: 91.56 Mbit/s

95th percentile per-packet one-way delay: 39.298 ms

Loss rate: 0.24%

Run 3: Report of PCC-Allegro — Data Link



Run 4: Statistics of PCC-Allegro

Start at: 2019-03-19 10:03:39

End at: 2019-03-19 10:04:09

Local clock offset: -0.134 ms

Remote clock offset: -0.744 ms

Below is generated by plot.py at 2019-03-19 10:49:43

Datalink statistics

-- Total of 1 flow:

Average throughput: 91.28 Mbit/s

95th percentile per-packet one-way delay: 37.775 ms

Loss rate: 0.24%

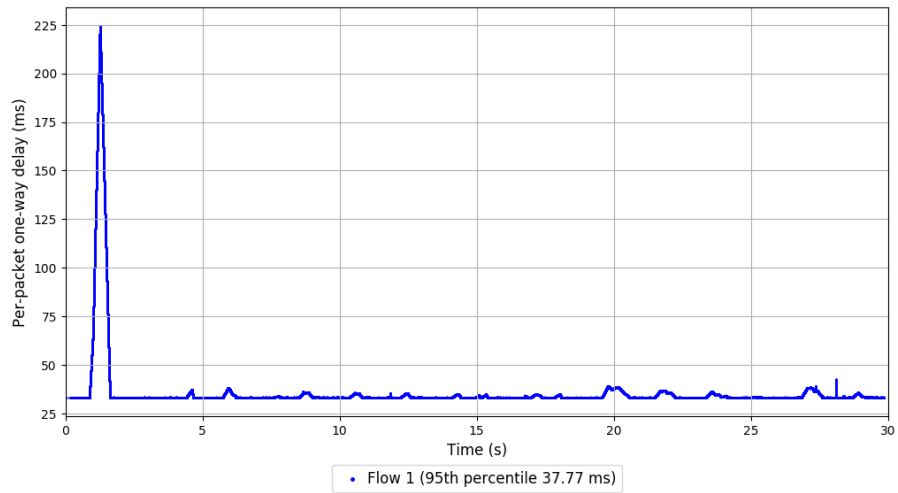
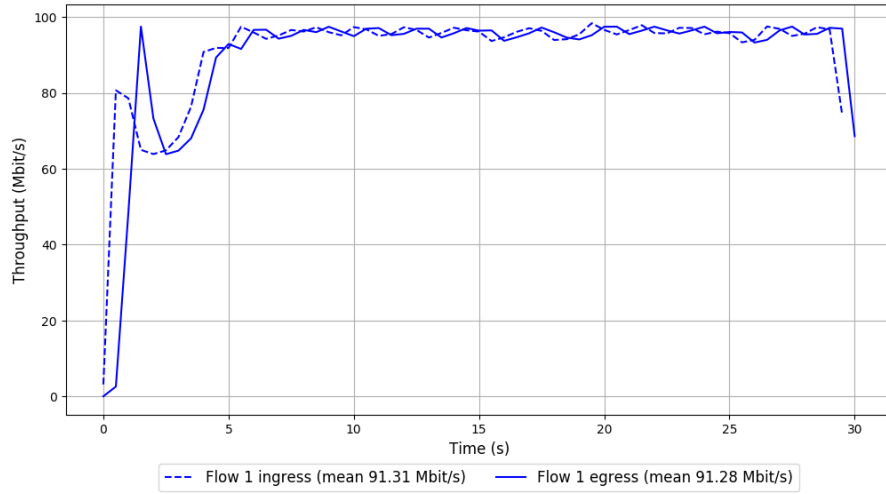
-- Flow 1:

Average throughput: 91.28 Mbit/s

95th percentile per-packet one-way delay: 37.775 ms

Loss rate: 0.24%

Run 4: Report of PCC-Allegro — Data Link



Run 5: Statistics of PCC-Allegro

Start at: 2019-03-19 10:28:11

End at: 2019-03-19 10:28:41

Local clock offset: 0.201 ms

Remote clock offset: -0.808 ms

Below is generated by plot.py at 2019-03-19 10:49:43

Datalink statistics

-- Total of 1 flow:

Average throughput: 72.27 Mbit/s

95th percentile per-packet one-way delay: 39.044 ms

Loss rate: 0.28%

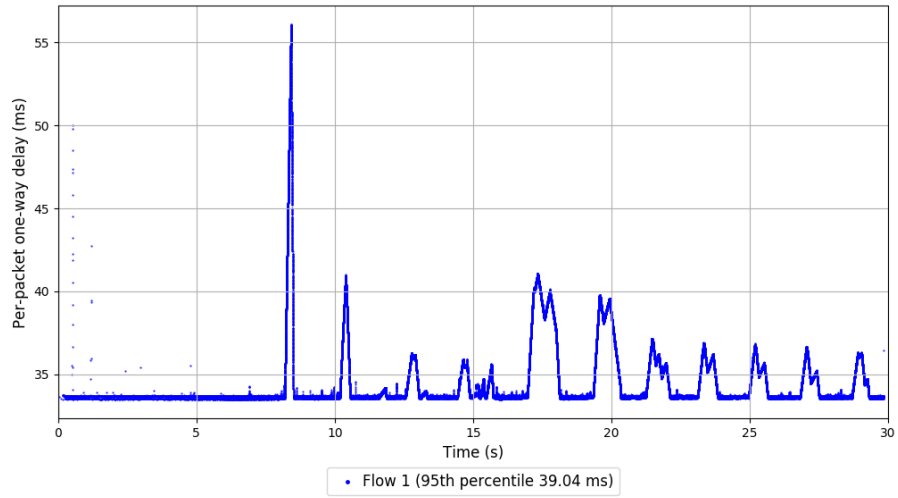
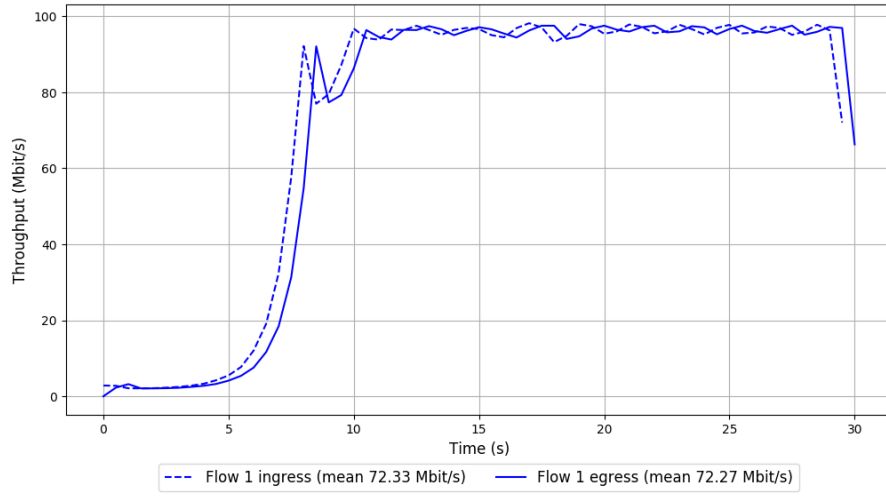
-- Flow 1:

Average throughput: 72.27 Mbit/s

95th percentile per-packet one-way delay: 39.044 ms

Loss rate: 0.28%

Run 5: Report of PCC-Allegro — Data Link



Run 1: Statistics of PCC-Expr

Start at: 2019-03-19 08:37:18

End at: 2019-03-19 08:37:48

Local clock offset: 0.072 ms

Remote clock offset: -2.841 ms

Below is generated by plot.py at 2019-03-19 10:50:49

Datalink statistics

-- Total of 1 flow:

Average throughput: 86.79 Mbit/s

95th percentile per-packet one-way delay: 146.947 ms

Loss rate: 0.36%

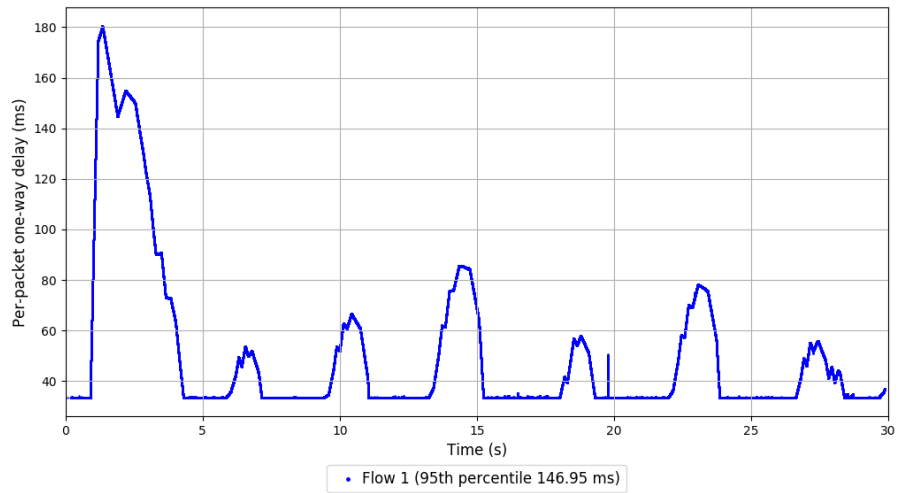
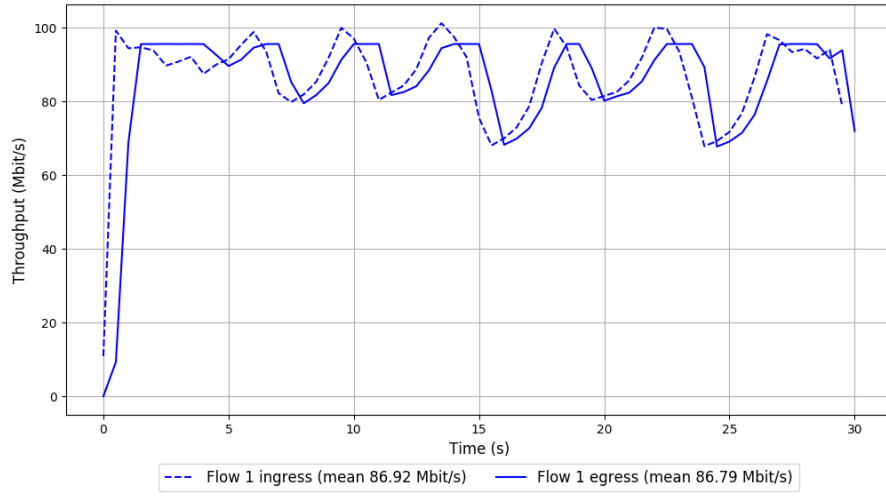
-- Flow 1:

Average throughput: 86.79 Mbit/s

95th percentile per-packet one-way delay: 146.947 ms

Loss rate: 0.36%

Run 1: Report of PCC-Expr — Data Link



Run 2: Statistics of PCC-Expr

Start at: 2019-03-19 09:01:49

End at: 2019-03-19 09:02:19

Local clock offset: 0.731 ms

Remote clock offset: -2.26 ms

Below is generated by plot.py at 2019-03-19 10:50:49

Datalink statistics

-- Total of 1 flow:

Average throughput: 84.80 Mbit/s

95th percentile per-packet one-way delay: 149.197 ms

Loss rate: 0.30%

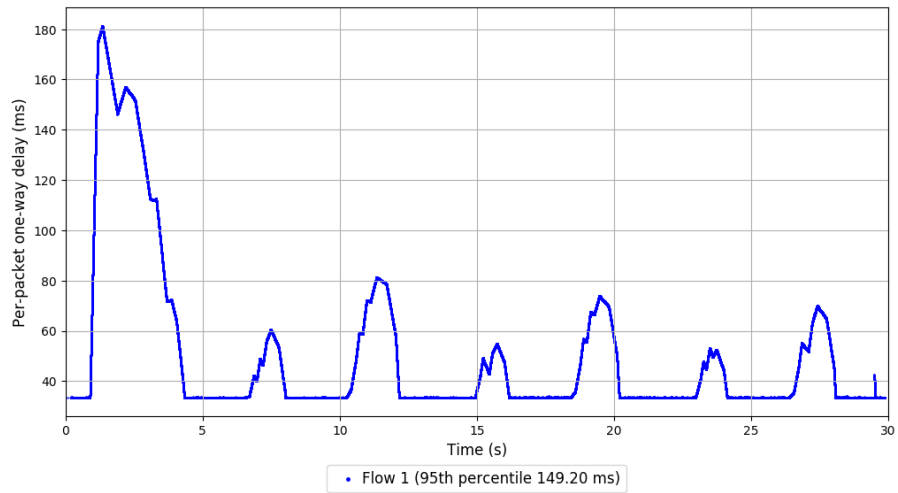
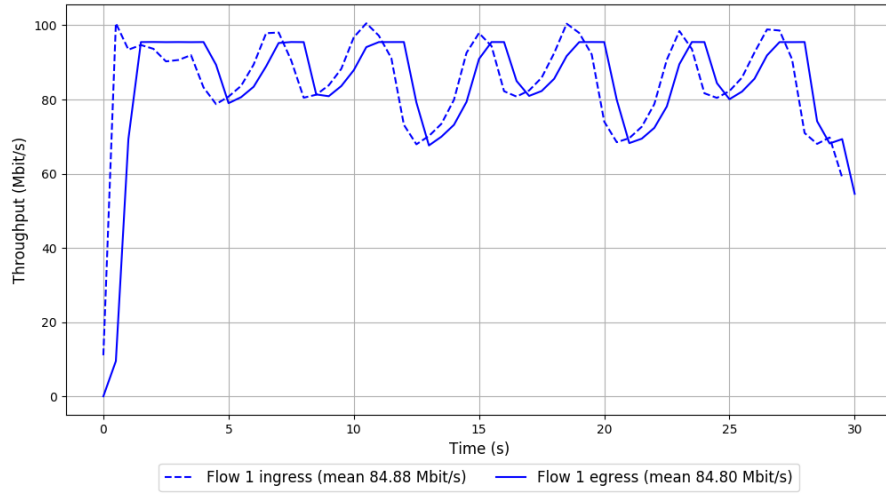
-- Flow 1:

Average throughput: 84.80 Mbit/s

95th percentile per-packet one-way delay: 149.197 ms

Loss rate: 0.30%

Run 2: Report of PCC-Expr — Data Link



Run 3: Statistics of PCC-Expr

Start at: 2019-03-19 09:26:20

End at: 2019-03-19 09:26:51

Local clock offset: 0.361 ms

Remote clock offset: -1.637 ms

Below is generated by plot.py at 2019-03-19 10:50:52

Datalink statistics

-- Total of 1 flow:

Average throughput: 86.25 Mbit/s

95th percentile per-packet one-way delay: 149.328 ms

Loss rate: 0.26%

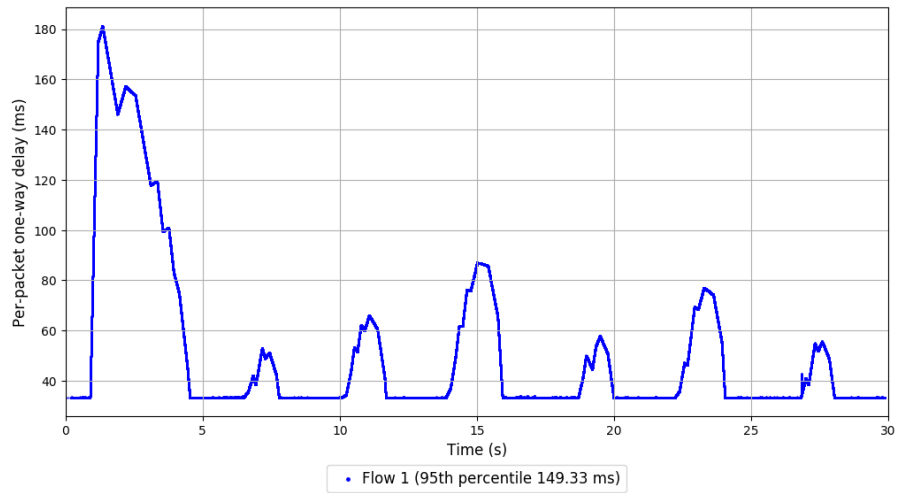
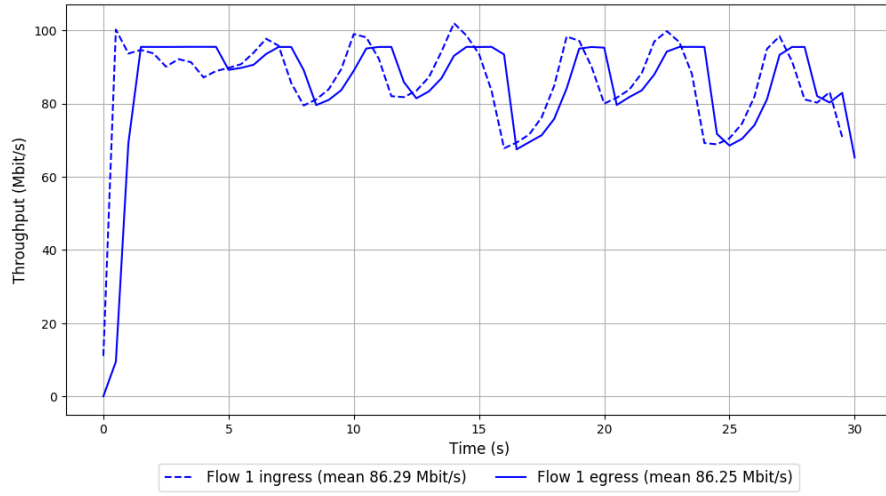
-- Flow 1:

Average throughput: 86.25 Mbit/s

95th percentile per-packet one-way delay: 149.328 ms

Loss rate: 0.26%

Run 3: Report of PCC-Expr — Data Link

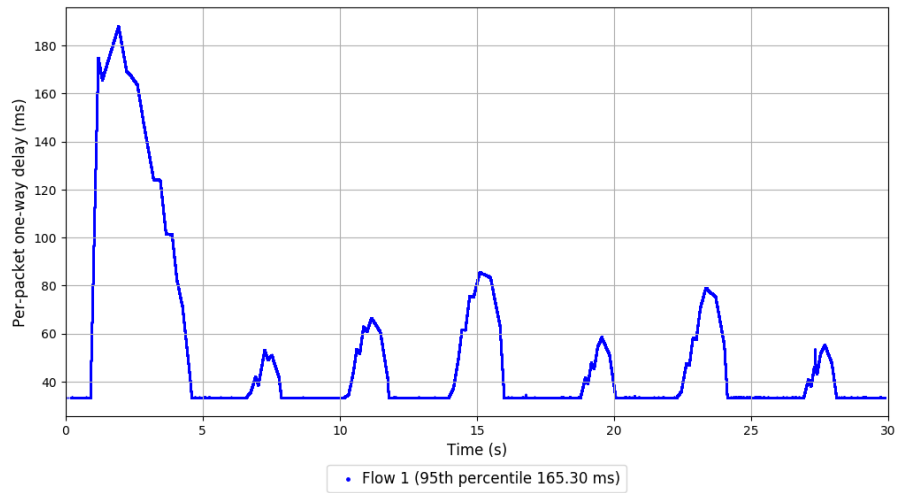
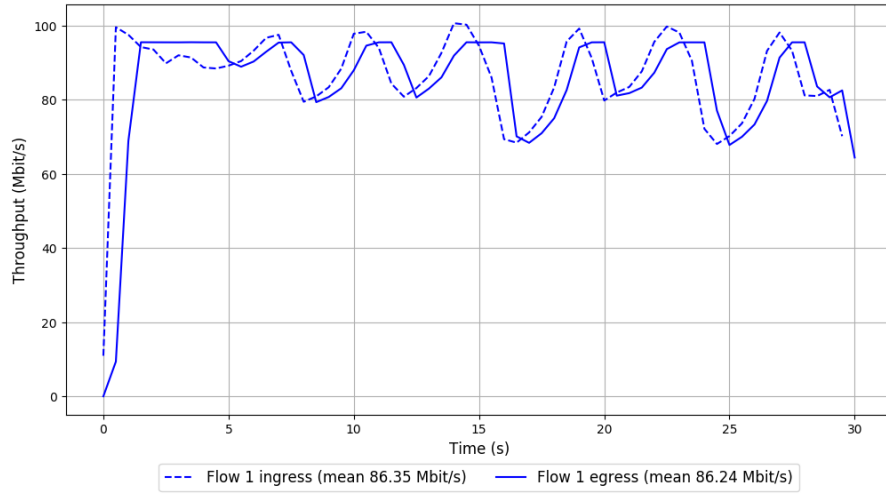


Run 4: Statistics of PCC-Expr

Start at: 2019-03-19 09:50:52
End at: 2019-03-19 09:51:22
Local clock offset: -0.012 ms
Remote clock offset: -1.072 ms

Below is generated by plot.py at 2019-03-19 10:51:33
Datalink statistics
-- Total of 1 flow:
Average throughput: 86.24 Mbit/s
95th percentile per-packet one-way delay: 165.301 ms
Loss rate: 0.34%
-- Flow 1:
Average throughput: 86.24 Mbit/s
95th percentile per-packet one-way delay: 165.301 ms
Loss rate: 0.34%

Run 4: Report of PCC-Expr — Data Link



Run 5: Statistics of PCC-Expr

Start at: 2019-03-19 10:15:23

End at: 2019-03-19 10:15:53

Local clock offset: -0.247 ms

Remote clock offset: -0.522 ms

Below is generated by plot.py at 2019-03-19 10:51:40

Datalink statistics

-- Total of 1 flow:

Average throughput: 85.89 Mbit/s

95th percentile per-packet one-way delay: 165.509 ms

Loss rate: 0.27%

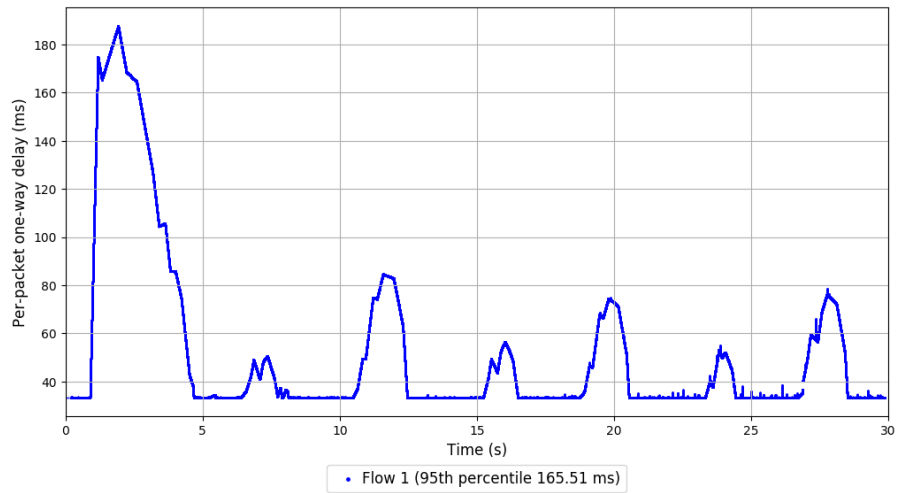
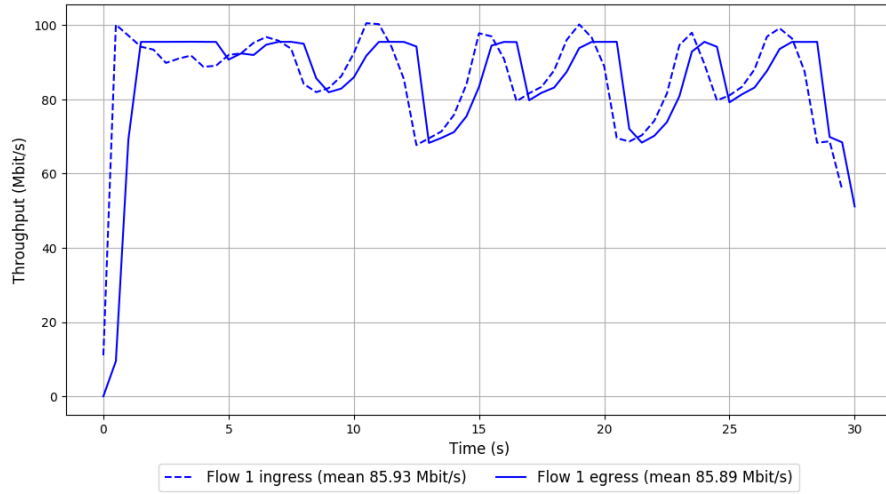
-- Flow 1:

Average throughput: 85.89 Mbit/s

95th percentile per-packet one-way delay: 165.509 ms

Loss rate: 0.27%

Run 5: Report of PCC-Expr — Data Link



Run 1: Statistics of QUIC Cubic

Start at: 2019-03-19 08:38:31

End at: 2019-03-19 08:39:01

Local clock offset: 0.069 ms

Remote clock offset: -3.036 ms

Below is generated by plot.py at 2019-03-19 10:51:40

Datalink statistics

-- Total of 1 flow:

Average throughput: 77.09 Mbit/s

95th percentile per-packet one-way delay: 49.249 ms

Loss rate: 0.30%

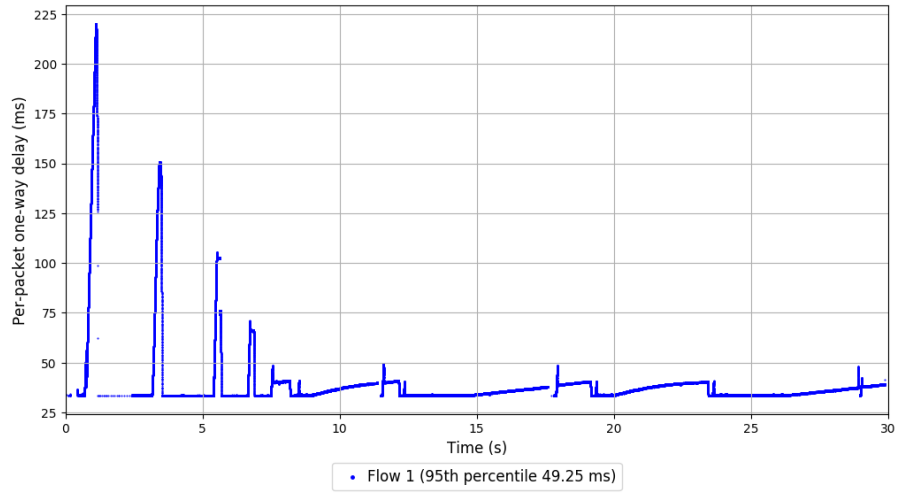
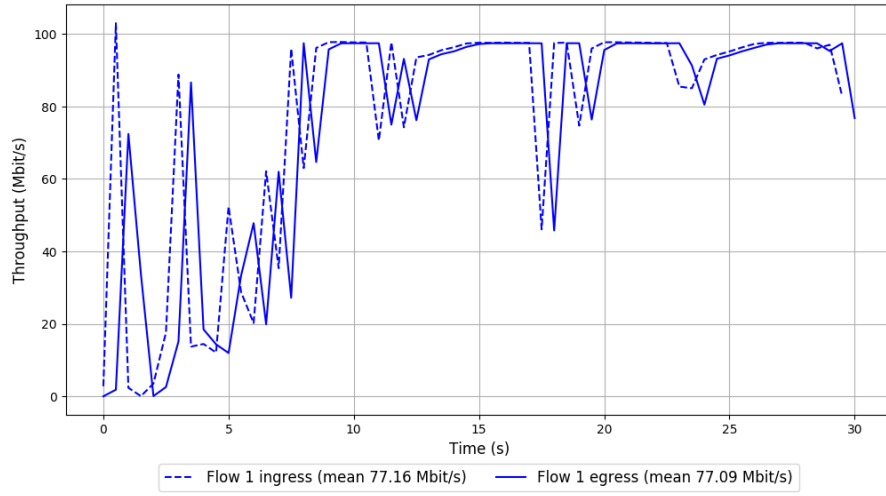
-- Flow 1:

Average throughput: 77.09 Mbit/s

95th percentile per-packet one-way delay: 49.249 ms

Loss rate: 0.30%

Run 1: Report of QUIC Cubic — Data Link



Run 2: Statistics of QUIC Cubic

Start at: 2019-03-19 09:03:02

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

Local clock offset: 0.747 ms

Remote clock offset: -2.176 ms

Below is generated by plot.py at 2019-03-19 10:51:40

Datalink statistics

-- Total of 1 flow:

Average throughput: 76.36 Mbit/s

95th percentile per-packet one-way delay: 50.601 ms

Loss rate: 0.28%

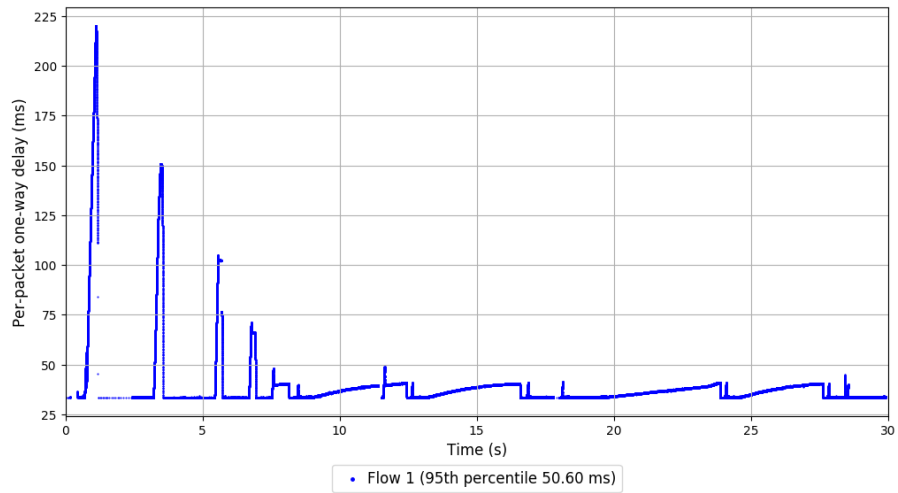
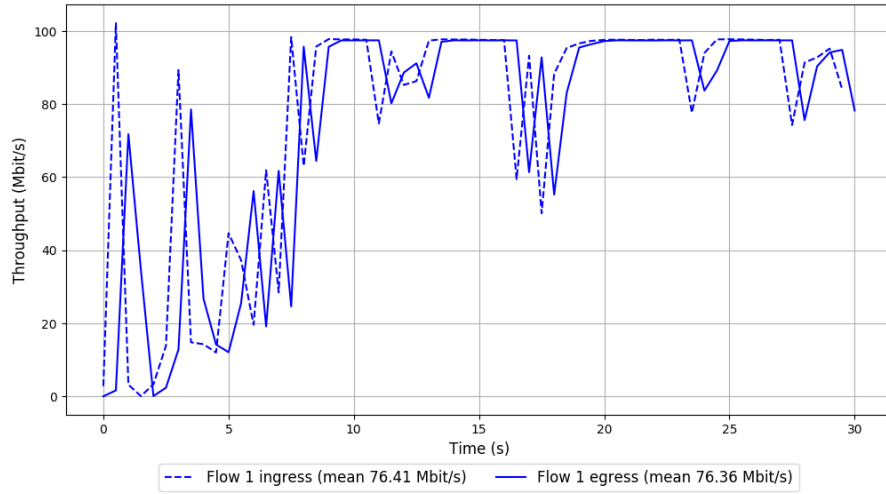
-- Flow 1:

Average throughput: 76.36 Mbit/s

95th percentile per-packet one-way delay: 50.601 ms

Loss rate: 0.28%

Run 2: Report of QUIC Cubic — Data Link



Run 3: Statistics of QUIC Cubic

Start at: 2019-03-19 09:27:33

End at: 2019-03-19 09:28:03

Local clock offset: 0.326 ms

Remote clock offset: -1.64 ms

Below is generated by plot.py at 2019-03-19 10:51:40

Datalink statistics

-- Total of 1 flow:

Average throughput: 77.36 Mbit/s

95th percentile per-packet one-way delay: 49.188 ms

Loss rate: 0.13%

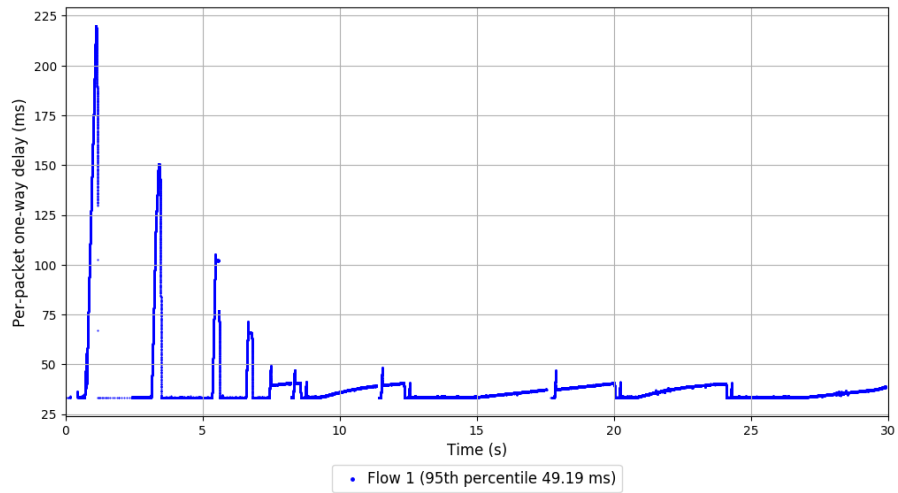
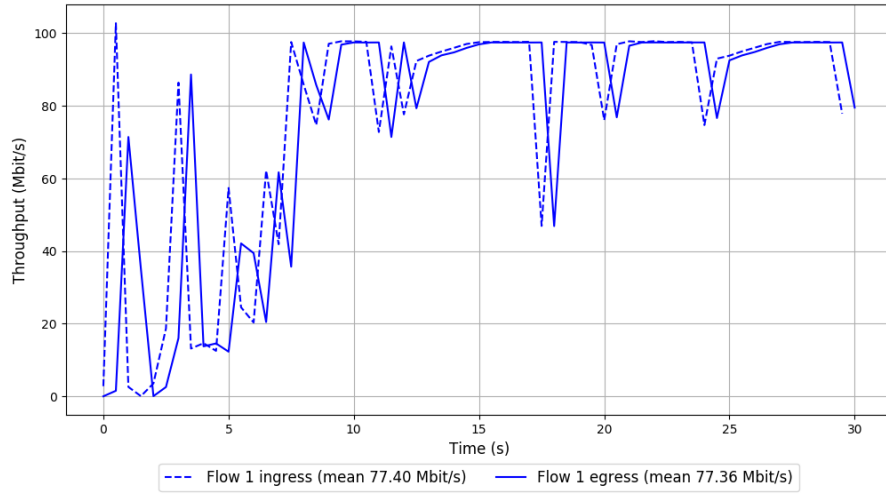
-- Flow 1:

Average throughput: 77.36 Mbit/s

95th percentile per-packet one-way delay: 49.188 ms

Loss rate: 0.13%

Run 3: Report of QUIC Cubic — Data Link



Run 4: Statistics of QUIC Cubic

Start at: 2019-03-19 09:52:05

End at: 2019-03-19 09:52:35

Local clock offset: -0.01 ms

Remote clock offset: -1.065 ms

Below is generated by plot.py at 2019-03-19 10:51:45

Datalink statistics

-- Total of 1 flow:

Average throughput: 76.94 Mbit/s

95th percentile per-packet one-way delay: 49.505 ms

Loss rate: 0.31%

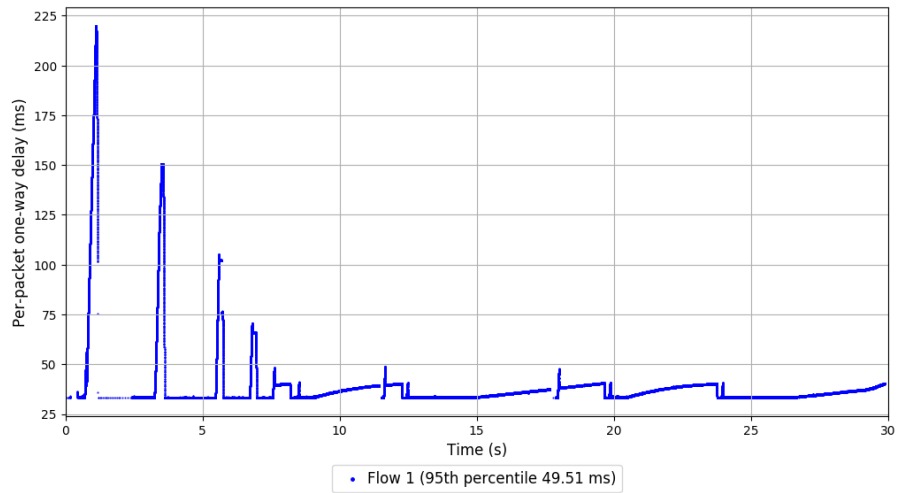
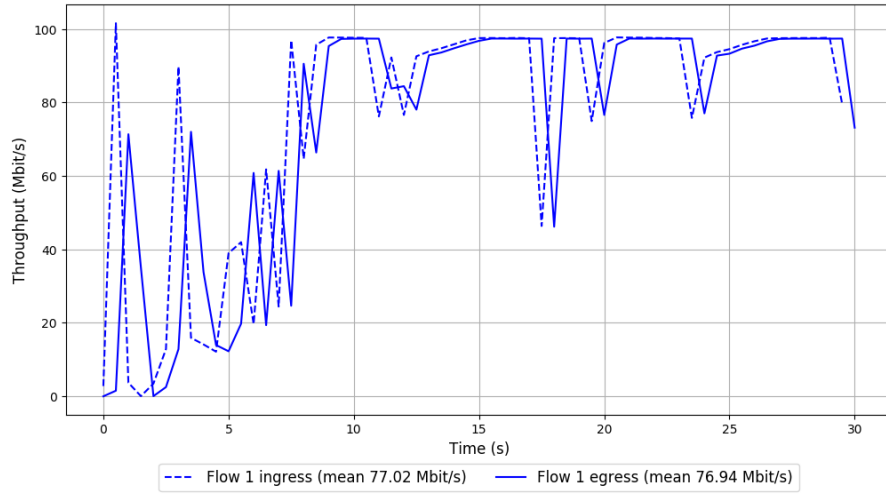
-- Flow 1:

Average throughput: 76.94 Mbit/s

95th percentile per-packet one-way delay: 49.505 ms

Loss rate: 0.31%

Run 4: Report of QUIC Cubic — Data Link



Run 5: Statistics of QUIC Cubic

Start at: 2019-03-19 10:16:36

End at: 2019-03-19 10:17:06

Local clock offset: -0.204 ms

Remote clock offset: -0.497 ms

Below is generated by plot.py at 2019-03-19 10:51:50

Datalink statistics

-- Total of 1 flow:

Average throughput: 84.59 Mbit/s

95th percentile per-packet one-way delay: 40.504 ms

Loss rate: 0.25%

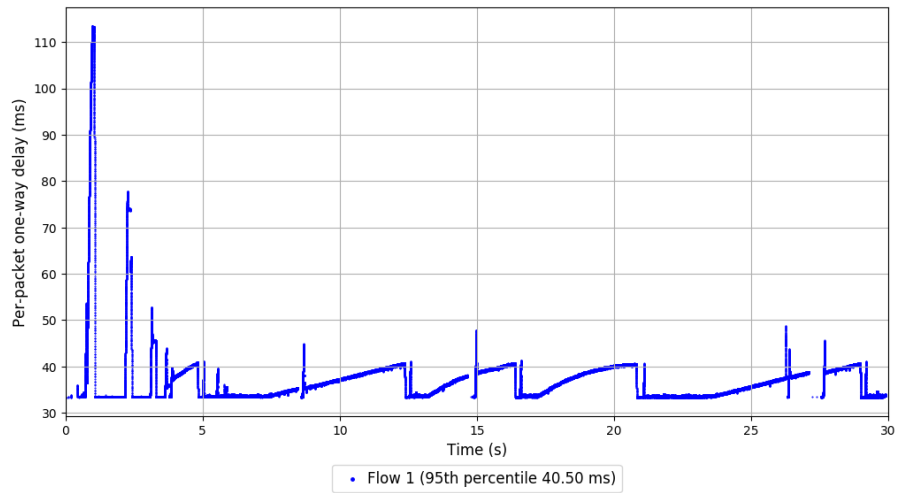
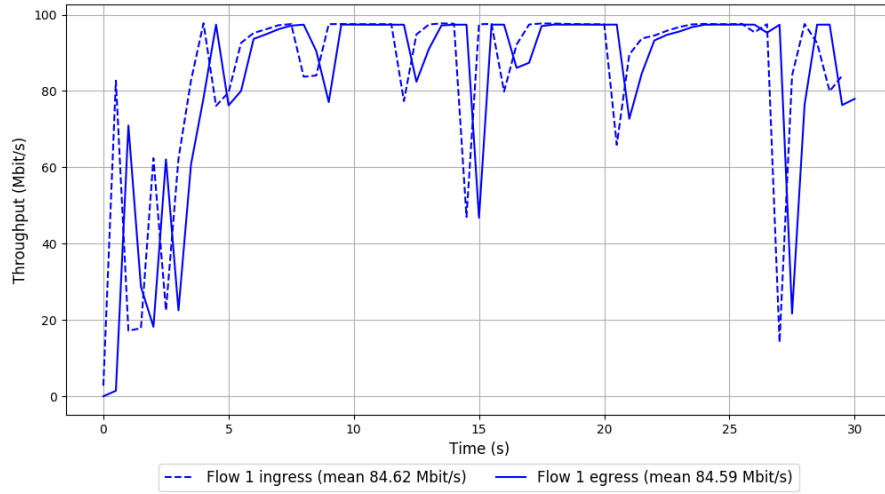
-- Flow 1:

Average throughput: 84.59 Mbit/s

95th percentile per-packet one-way delay: 40.504 ms

Loss rate: 0.25%

Run 5: Report of QUIC Cubic — Data Link

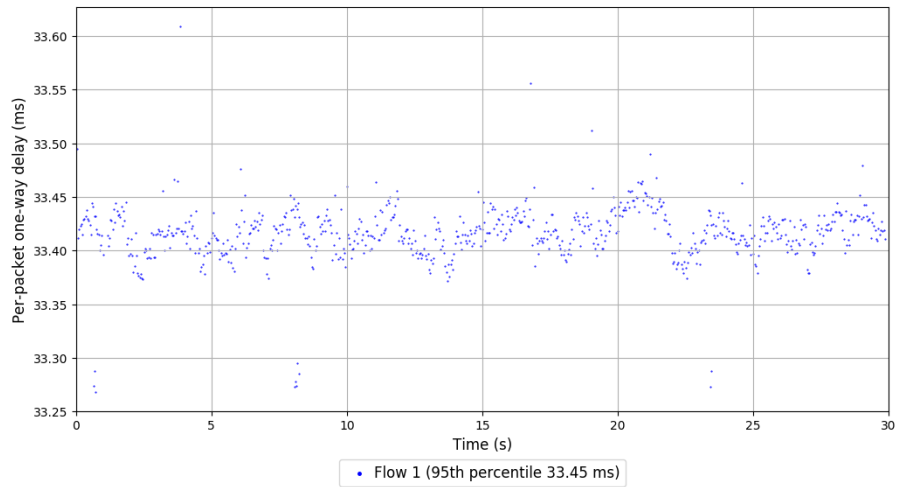
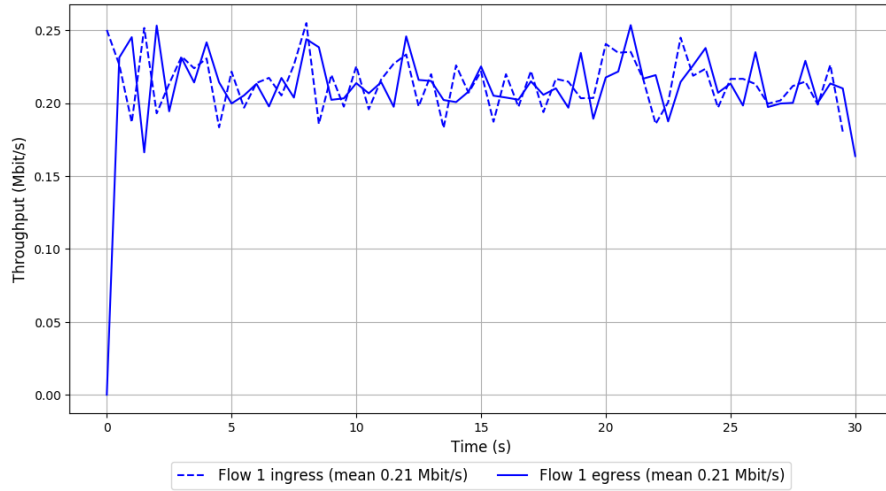


Run 1: Statistics of SCReAM

Start at: 2019-03-19 08:57:12
End at: 2019-03-19 08:57:42
Local clock offset: 0.618 ms
Remote clock offset: -2.283 ms

Below is generated by plot.py at 2019-03-19 10:51:50
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 33.449 ms
Loss rate: 0.26%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 33.449 ms
Loss rate: 0.26%

Run 1: Report of SCReAM — Data Link

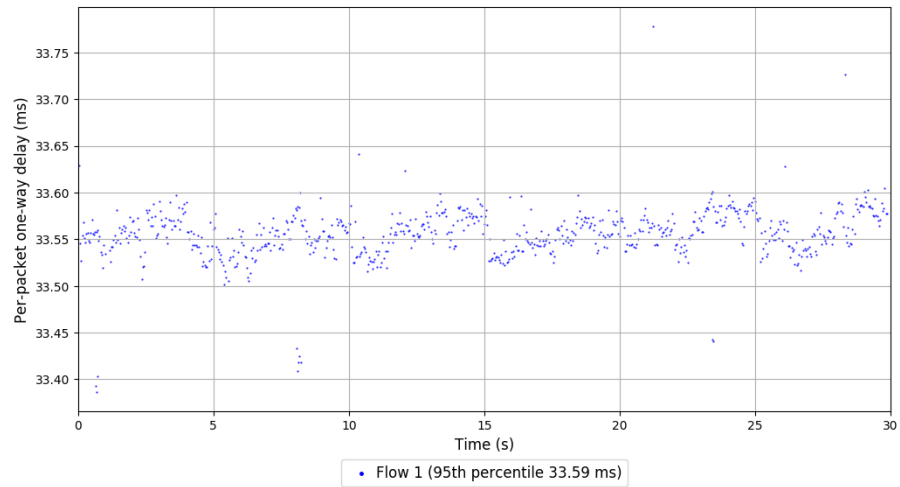
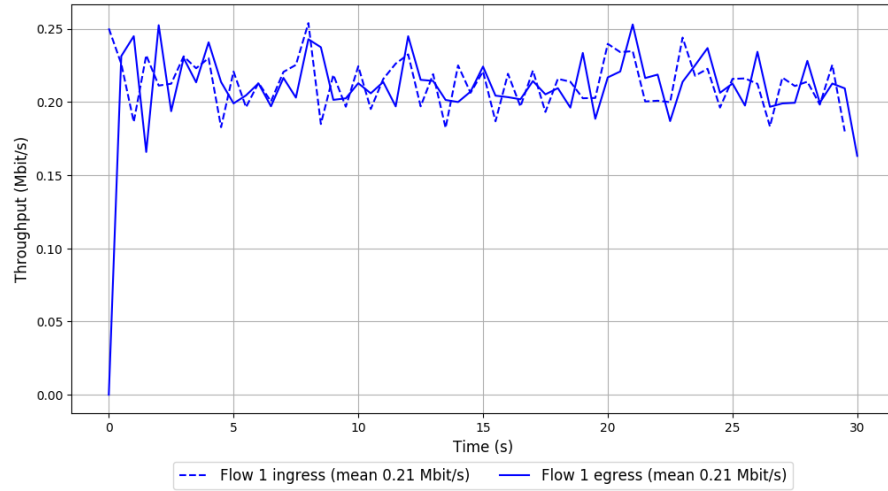


Run 2: Statistics of SCReAM

Start at: 2019-03-19 09:21:43
End at: 2019-03-19 09:22:13
Local clock offset: 0.539 ms
Remote clock offset: -1.734 ms

Below is generated by plot.py at 2019-03-19 10:51:50
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 33.588 ms
Loss rate: 0.26%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 33.588 ms
Loss rate: 0.26%

Run 2: Report of SCReAM — Data Link

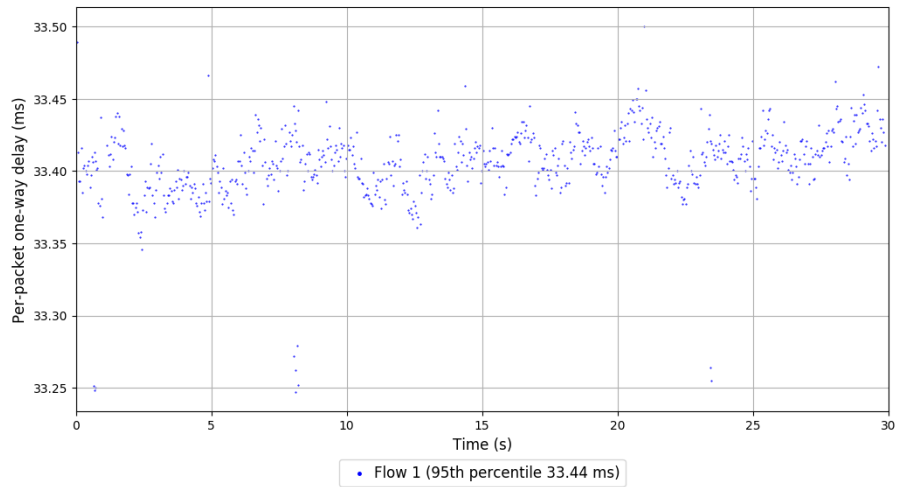
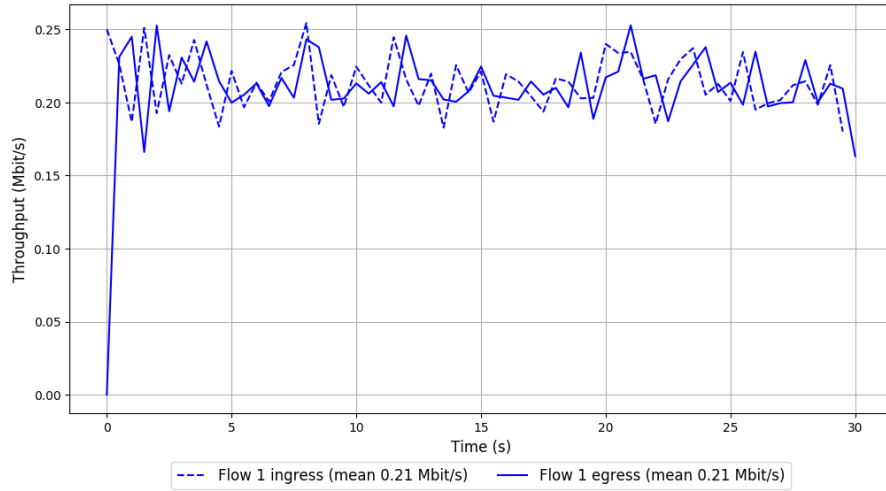


Run 3: Statistics of SCReAM

Start at: 2019-03-19 09:46:14
End at: 2019-03-19 09:46:44
Local clock offset: 0.098 ms
Remote clock offset: -1.207 ms

Below is generated by plot.py at 2019-03-19 10:51:50
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 33.439 ms
Loss rate: 0.26%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 33.439 ms
Loss rate: 0.26%

Run 3: Report of SCReAM — Data Link

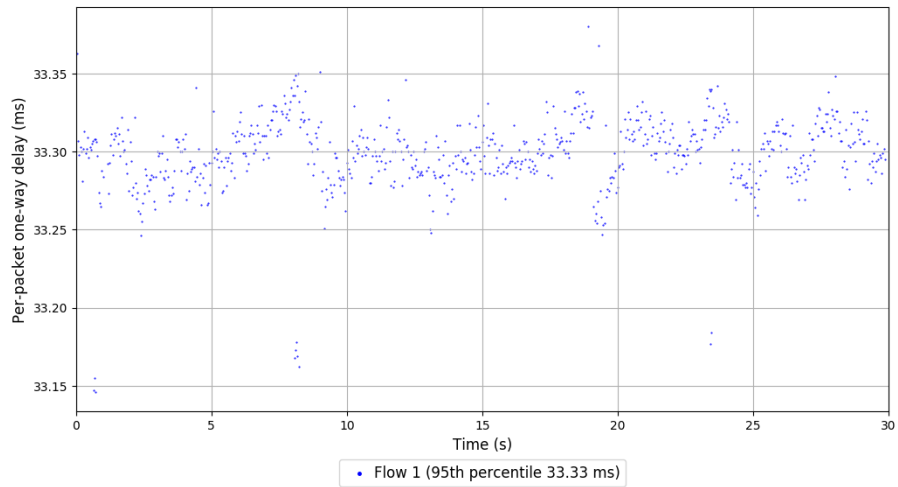
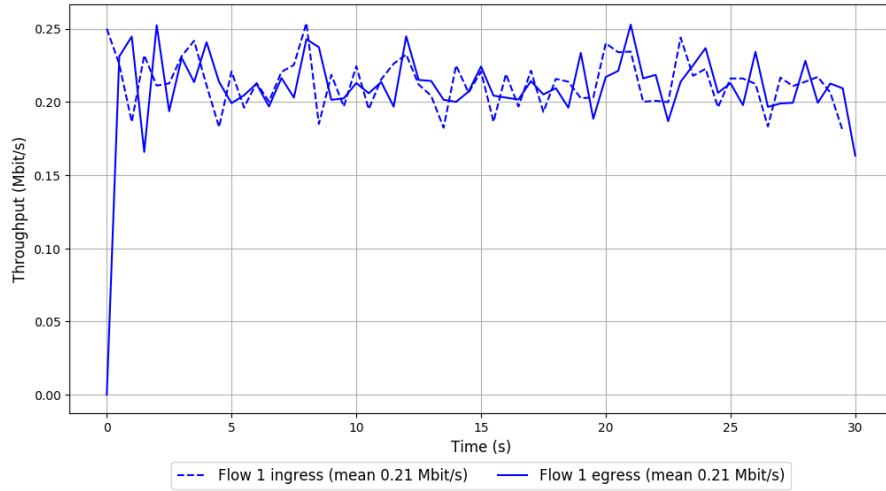


Run 4: Statistics of SCReAM

Start at: 2019-03-19 10:10:46
End at: 2019-03-19 10:11:16
Local clock offset: -0.211 ms
Remote clock offset: -0.579 ms

Below is generated by plot.py at 2019-03-19 10:51:50
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 33.329 ms
Loss rate: 0.26%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 33.329 ms
Loss rate: 0.26%

Run 4: Report of SCReAM — Data Link

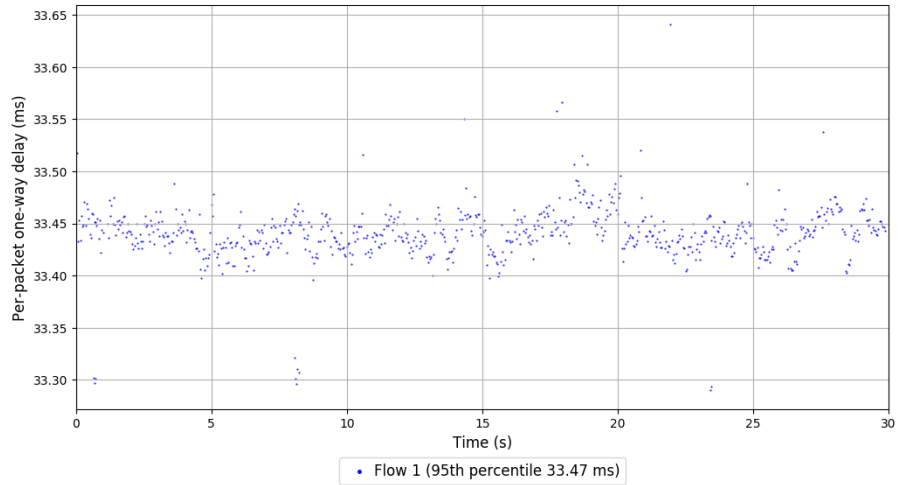
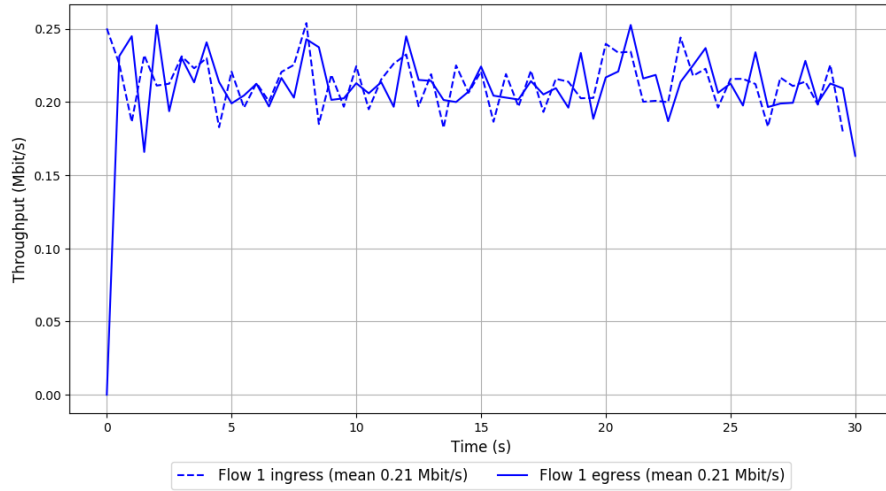


Run 5: Statistics of SCReAM

Start at: 2019-03-19 10:35:17
End at: 2019-03-19 10:35:47
Local clock offset: 0.288 ms
Remote clock offset: -0.574 ms

Below is generated by plot.py at 2019-03-19 10:51:50
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 33.474 ms
Loss rate: 0.26%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 33.474 ms
Loss rate: 0.26%

Run 5: Report of SCReAM — Data Link

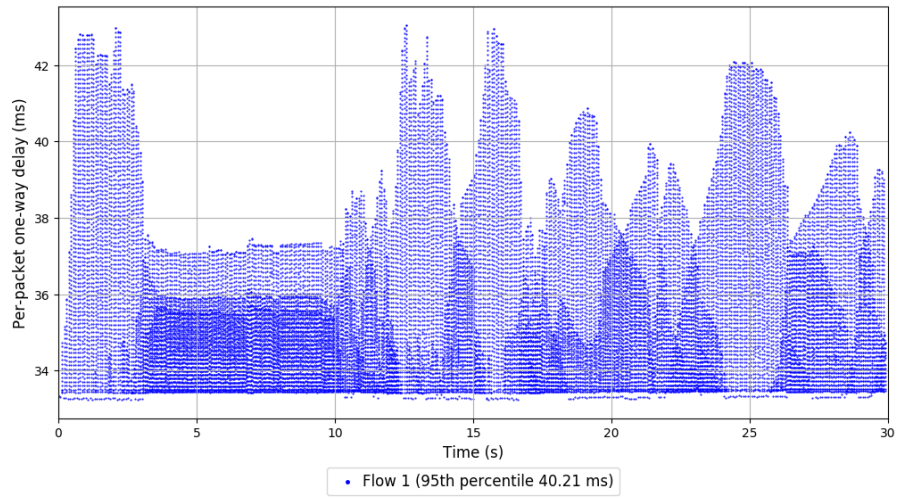
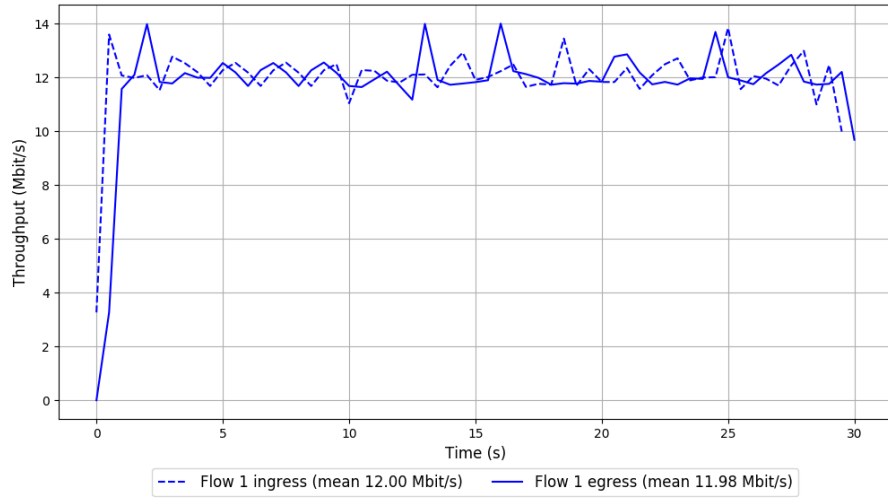


Run 1: Statistics of Sprout

Start at: 2019-03-19 08:39:40
End at: 2019-03-19 08:40:10
Local clock offset: 0.071 ms
Remote clock offset: -2.862 ms

Below is generated by plot.py at 2019-03-19 10:51:50
Datalink statistics
-- Total of 1 flow:
Average throughput: 11.98 Mbit/s
95th percentile per-packet one-way delay: 40.209 ms
Loss rate: 0.23%
-- Flow 1:
Average throughput: 11.98 Mbit/s
95th percentile per-packet one-way delay: 40.209 ms
Loss rate: 0.23%

Run 1: Report of Sprout — Data Link

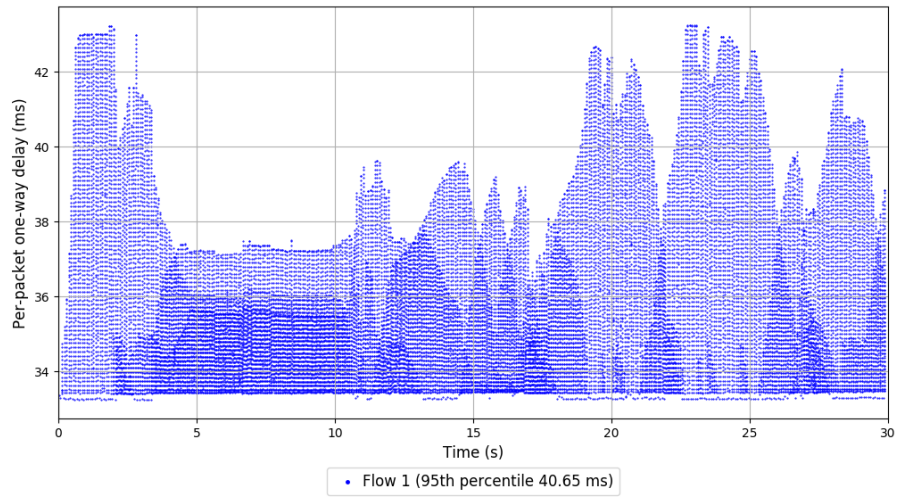
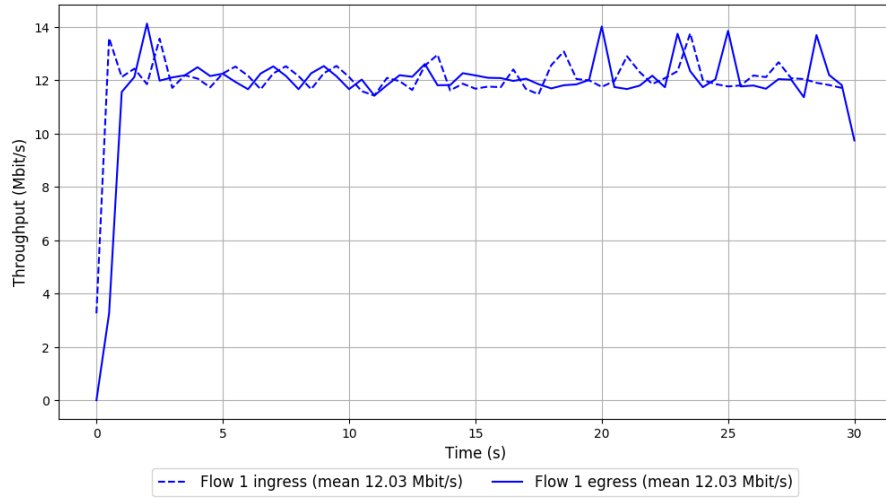


Run 2: Statistics of Sprout

Start at: 2019-03-19 09:04:12
End at: 2019-03-19 09:04:42
Local clock offset: 0.775 ms
Remote clock offset: -1.962 ms

Below is generated by plot.py at 2019-03-19 10:51:50
Datalink statistics
-- Total of 1 flow:
Average throughput: 12.03 Mbit/s
95th percentile per-packet one-way delay: 40.647 ms
Loss rate: 0.27%
-- Flow 1:
Average throughput: 12.03 Mbit/s
95th percentile per-packet one-way delay: 40.647 ms
Loss rate: 0.27%

Run 2: Report of Sprout — Data Link



Run 3: Statistics of Sprout

Start at: 2019-03-19 09:28:43

End at: 2019-03-19 09:29:13

Local clock offset: 0.302 ms

Remote clock offset: -1.814 ms

Below is generated by plot.py at 2019-03-19 10:51:50

Datalink statistics

-- Total of 1 flow:

Average throughput: 12.06 Mbit/s

95th percentile per-packet one-way delay: 41.328 ms

Loss rate: 0.27%

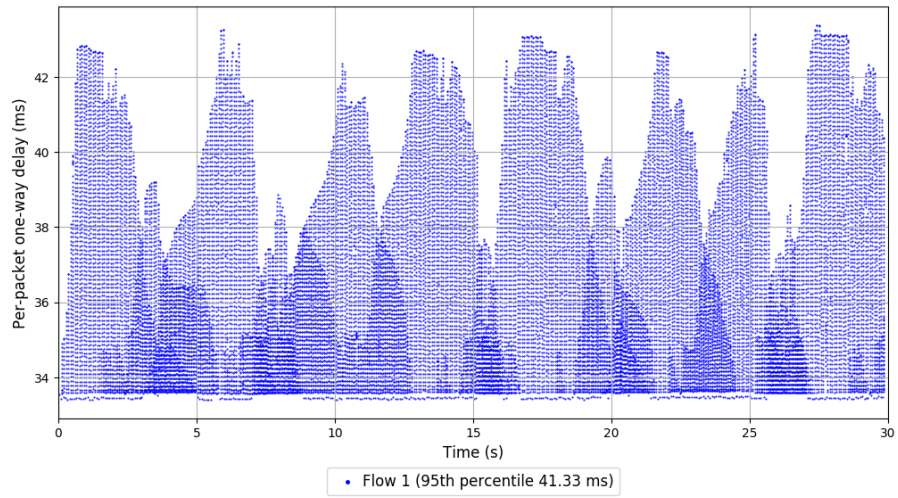
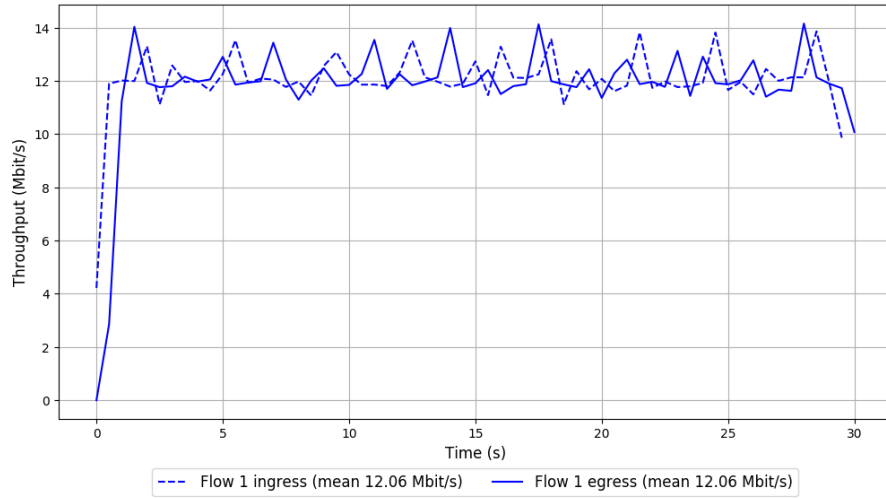
-- Flow 1:

Average throughput: 12.06 Mbit/s

95th percentile per-packet one-way delay: 41.328 ms

Loss rate: 0.27%

Run 3: Report of Sprout — Data Link

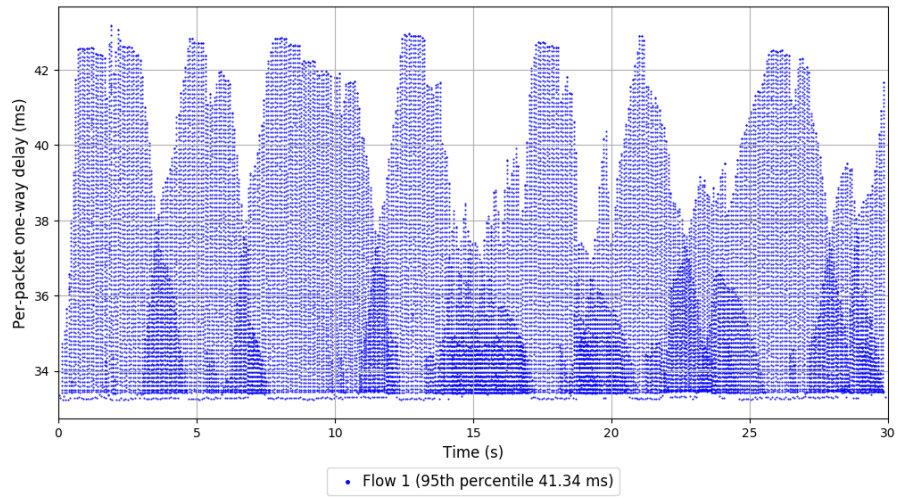
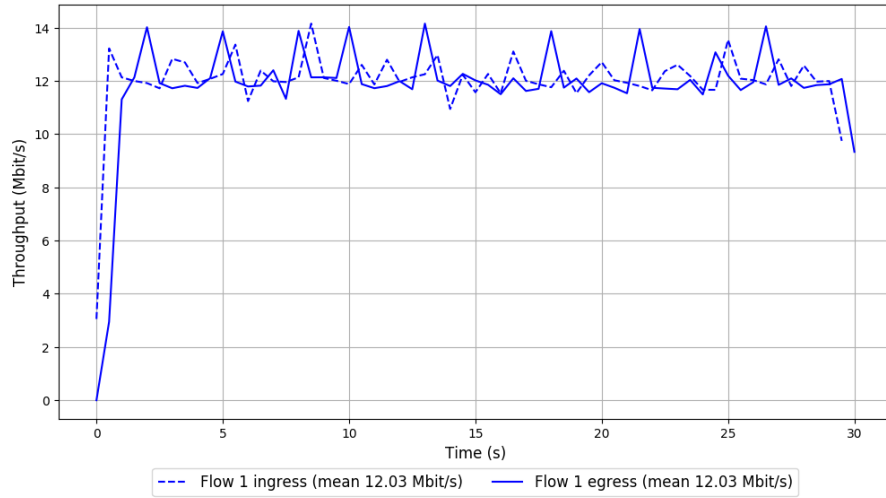


Run 4: Statistics of Sprout

Start at: 2019-03-19 09:53:14
End at: 2019-03-19 09:53:44
Local clock offset: -0.033 ms
Remote clock offset: -1.061 ms

Below is generated by plot.py at 2019-03-19 10:51:50
Datalink statistics
-- Total of 1 flow:
Average throughput: 12.03 Mbit/s
95th percentile per-packet one-way delay: 41.343 ms
Loss rate: 0.27%
-- Flow 1:
Average throughput: 12.03 Mbit/s
95th percentile per-packet one-way delay: 41.343 ms
Loss rate: 0.27%

Run 4: Report of Sprout — Data Link

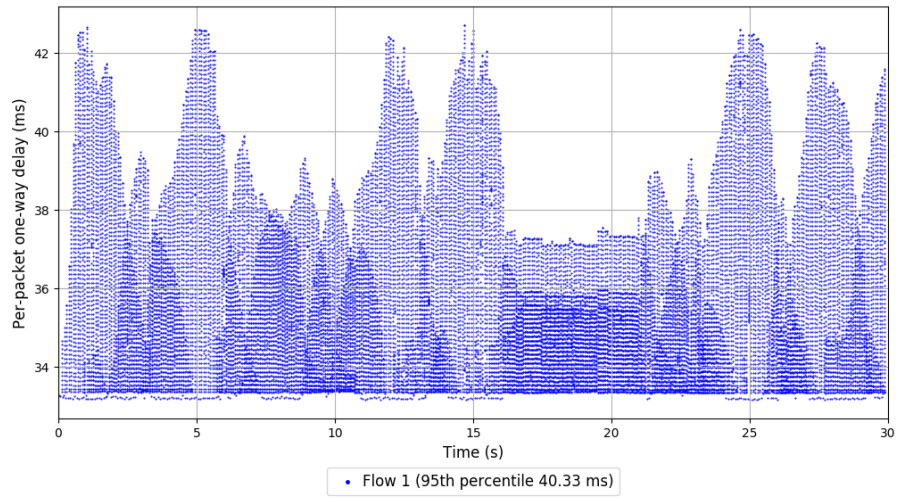
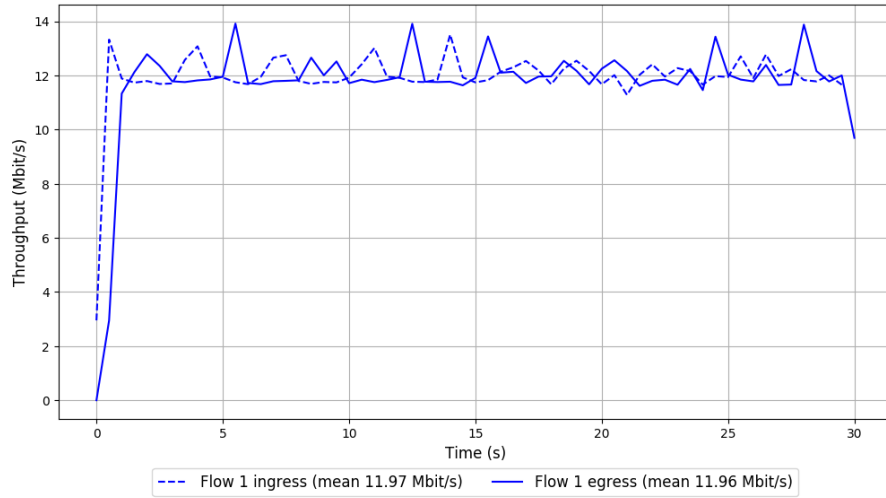


Run 5: Statistics of Sprout

Start at: 2019-03-19 10:17:46
End at: 2019-03-19 10:18:16
Local clock offset: -0.151 ms
Remote clock offset: -0.438 ms

Below is generated by plot.py at 2019-03-19 10:51:50
Datalink statistics
-- Total of 1 flow:
Average throughput: 11.96 Mbit/s
95th percentile per-packet one-way delay: 40.326 ms
Loss rate: 0.27%
-- Flow 1:
Average throughput: 11.96 Mbit/s
95th percentile per-packet one-way delay: 40.326 ms
Loss rate: 0.27%

Run 5: Report of Sprout — Data Link



Run 1: Statistics of TaoVA-100x

Start at: 2019-03-19 08:55:59

End at: 2019-03-19 08:56:29

Local clock offset: 0.577 ms

Remote clock offset: -2.257 ms

Below is generated by plot.py at 2019-03-19 10:53:02

Datalink statistics

-- Total of 1 flow:

Average throughput: 88.21 Mbit/s

95th percentile per-packet one-way delay: 44.649 ms

Loss rate: 0.20%

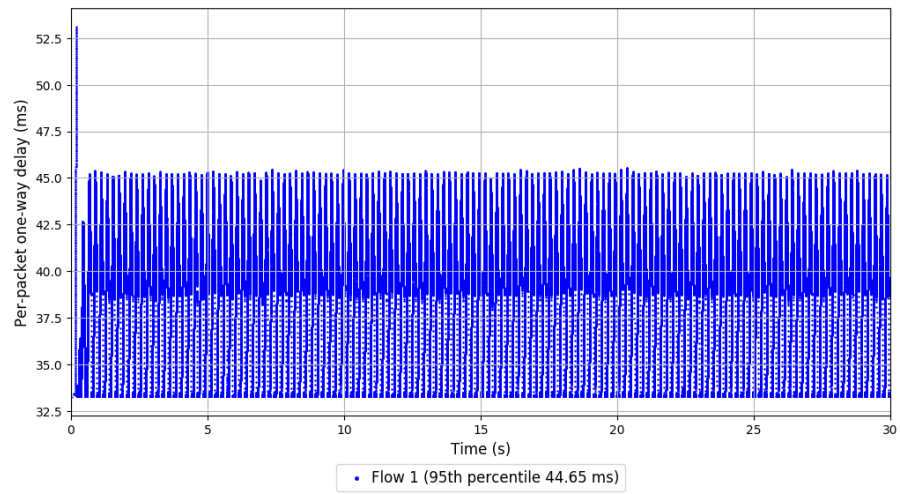
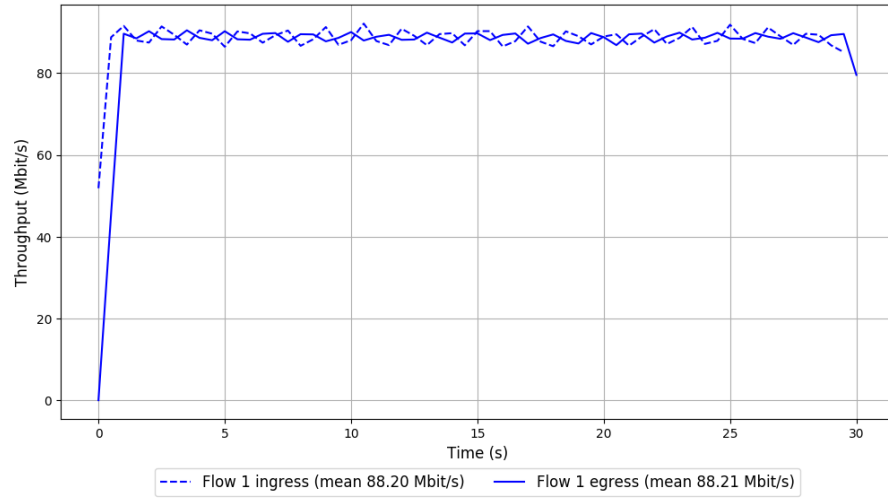
-- Flow 1:

Average throughput: 88.21 Mbit/s

95th percentile per-packet one-way delay: 44.649 ms

Loss rate: 0.20%

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



Run 2: Statistics of TaoVA-100x

Start at: 2019-03-19 09:20:30

End at: 2019-03-19 09:21:00

Local clock offset: 0.615 ms

Remote clock offset: -1.517 ms

Below is generated by plot.py at 2019-03-19 10:53:07

Datalink statistics

-- Total of 1 flow:

Average throughput: 88.35 Mbit/s

95th percentile per-packet one-way delay: 44.659 ms

Loss rate: 0.24%

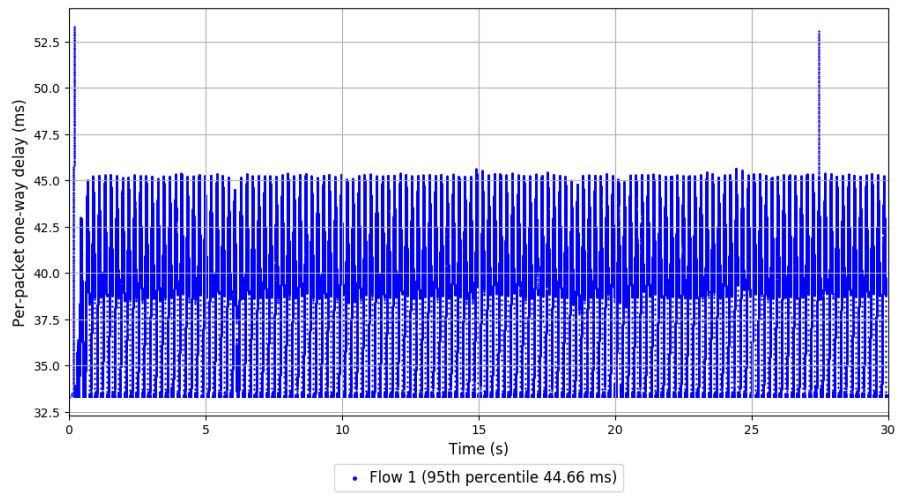
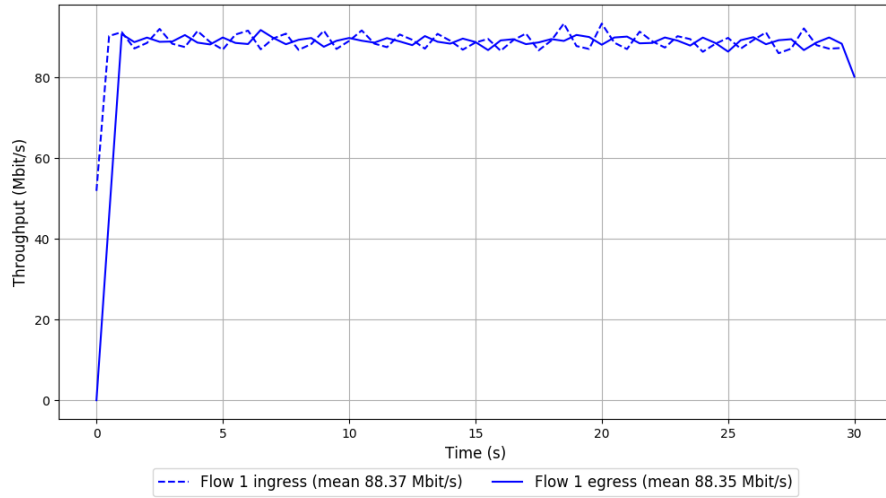
-- Flow 1:

Average throughput: 88.35 Mbit/s

95th percentile per-packet one-way delay: 44.659 ms

Loss rate: 0.24%

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



Run 3: Statistics of TaoVA-100x

Start at: 2019-03-19 09:45:01

End at: 2019-03-19 09:45:31

Local clock offset: 0.098 ms

Remote clock offset: -1.295 ms

Below is generated by plot.py at 2019-03-19 10:53:10

Datalink statistics

-- Total of 1 flow:

Average throughput: 88.27 Mbit/s

95th percentile per-packet one-way delay: 44.772 ms

Loss rate: 0.21%

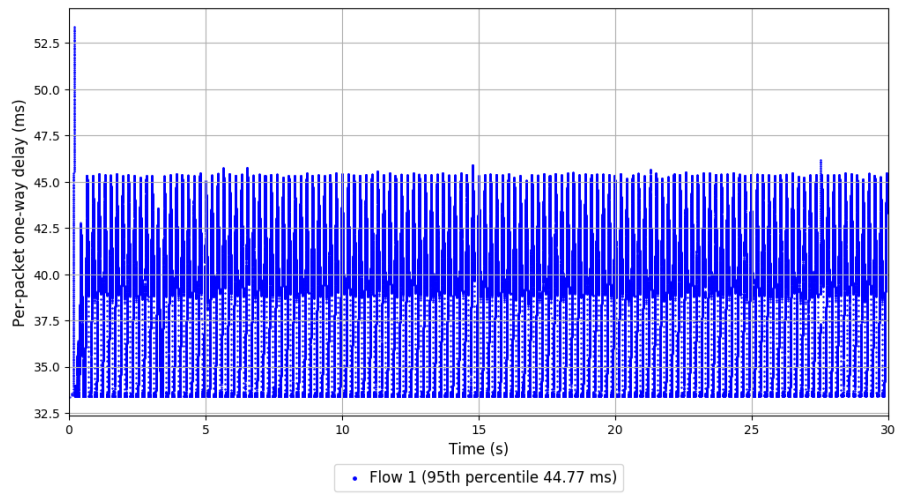
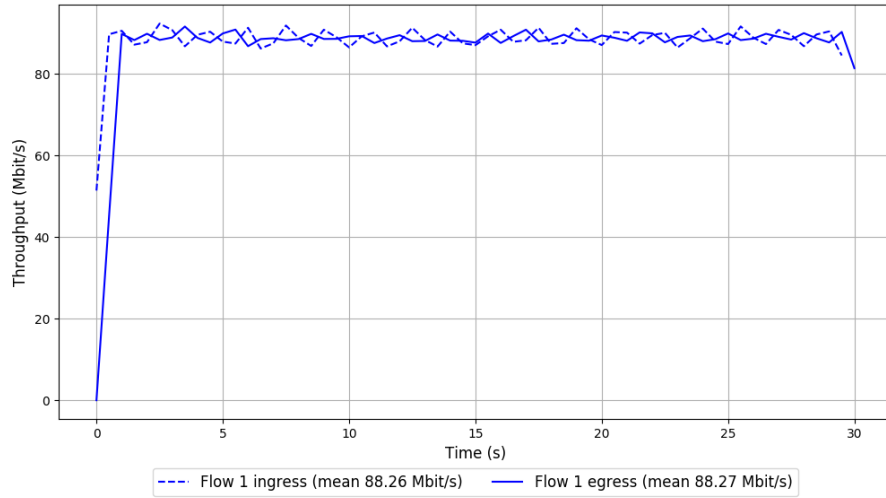
-- Flow 1:

Average throughput: 88.27 Mbit/s

95th percentile per-packet one-way delay: 44.772 ms

Loss rate: 0.21%

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



Run 4: Statistics of TaoVA-100x

Start at: 2019-03-19 10:09:33

End at: 2019-03-19 10:10:03

Local clock offset: -0.202 ms

Remote clock offset: -0.824 ms

Below is generated by plot.py at 2019-03-19 10:53:15

Datalink statistics

-- Total of 1 flow:

Average throughput: 88.31 Mbit/s

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

Loss rate: 0.27%

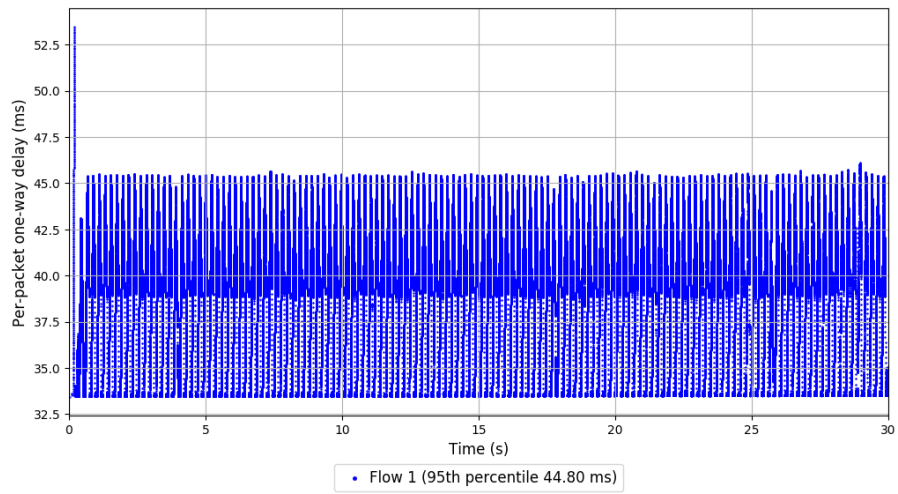
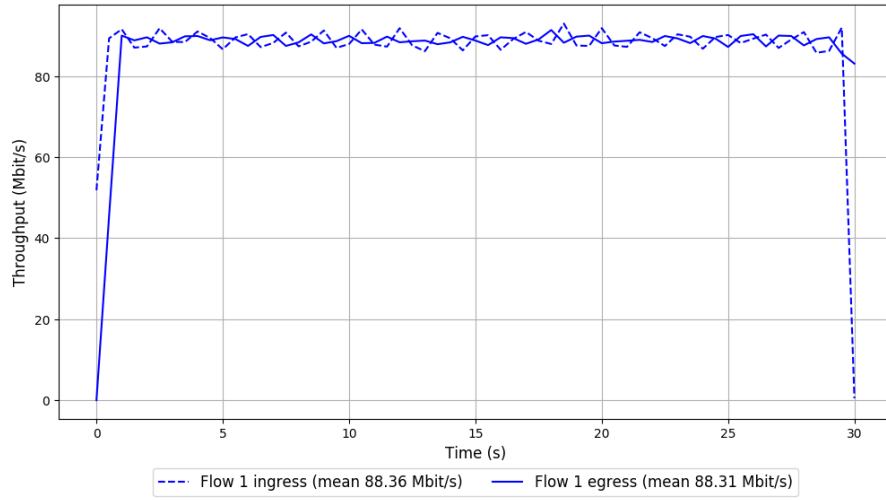
-- Flow 1:

Average throughput: 88.31 Mbit/s

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

Loss rate: 0.27%

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



Run 5: Statistics of TaoVA-100x

Start at: 2019-03-19 10:34:04

End at: 2019-03-19 10:34:34

Local clock offset: 0.277 ms

Remote clock offset: -0.517 ms

Below is generated by plot.py at 2019-03-19 10:53:40

Datalink statistics

-- Total of 1 flow:

Average throughput: 88.20 Mbit/s

95th percentile per-packet one-way delay: 44.742 ms

Loss rate: 0.20%

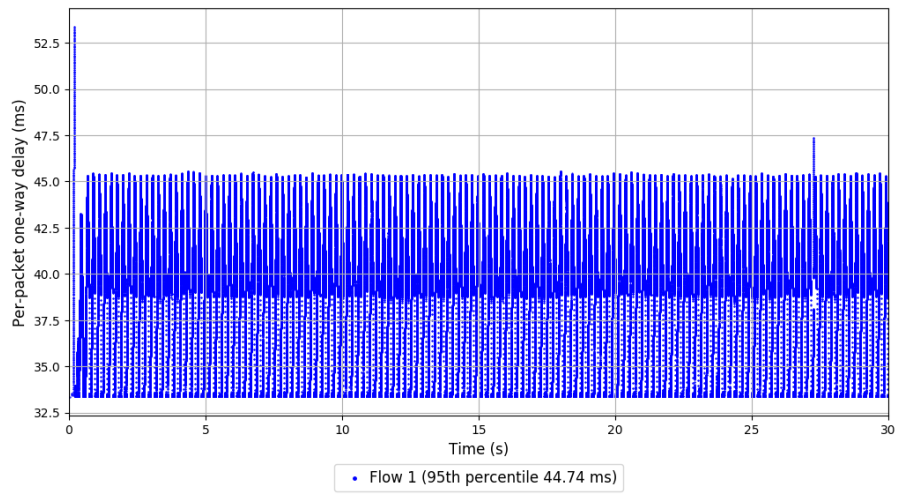
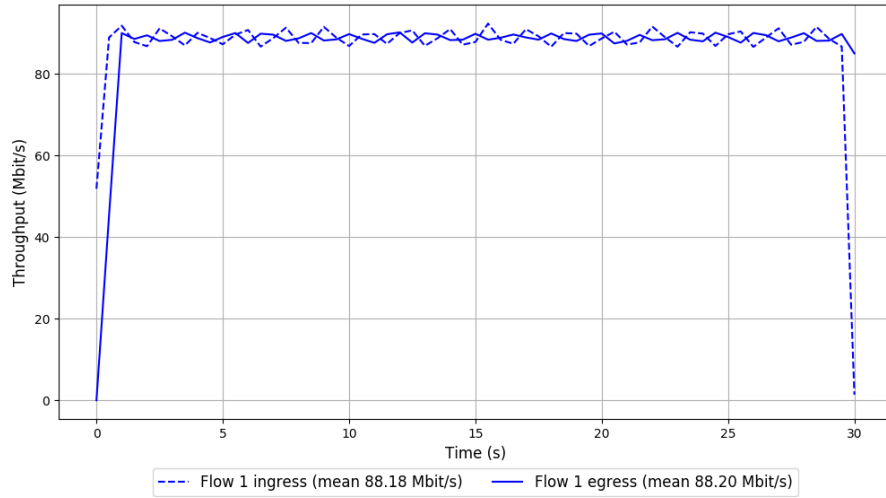
-- Flow 1:

Average throughput: 88.20 Mbit/s

95th percentile per-packet one-way delay: 44.742 ms

Loss rate: 0.20%

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

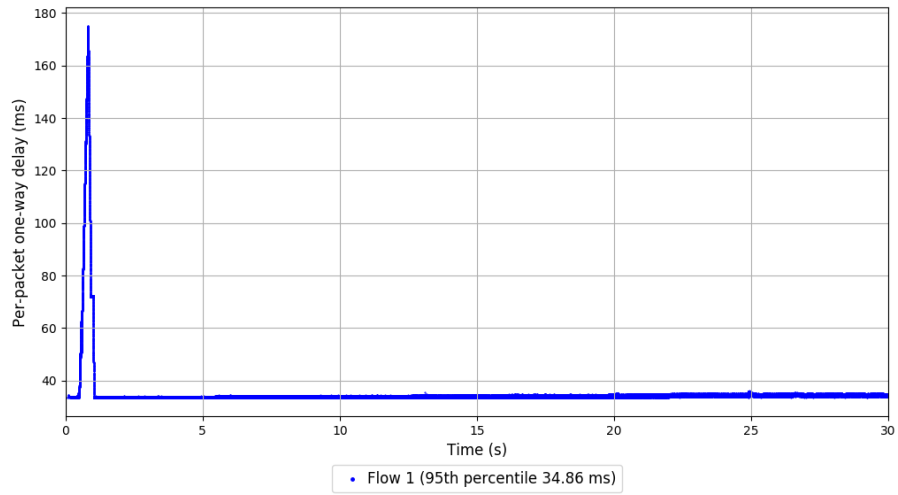
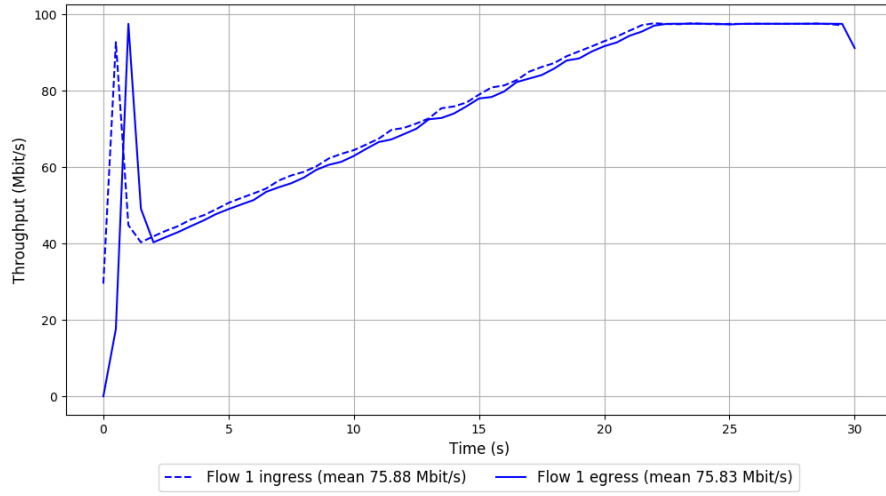


Run 1: Statistics of TCP Vegas

Start at: 2019-03-19 08:59:30
End at: 2019-03-19 09:00:00
Local clock offset: 0.674 ms
Remote clock offset: -2.355 ms

Below is generated by plot.py at 2019-03-19 10:53:40
Datalink statistics
-- Total of 1 flow:
Average throughput: 75.83 Mbit/s
95th percentile per-packet one-way delay: 34.862 ms
Loss rate: 0.28%
-- Flow 1:
Average throughput: 75.83 Mbit/s
95th percentile per-packet one-way delay: 34.862 ms
Loss rate: 0.28%

Run 1: Report of TCP Vegas — Data Link



Run 2: Statistics of TCP Vegas

Start at: 2019-03-19 09:24:00
End at: 2019-03-19 09:24:30
Local clock offset: 0.433 ms
Remote clock offset: -1.571 ms

Below is generated by plot.py at 2019-03-19 10:53:40

Datalink statistics

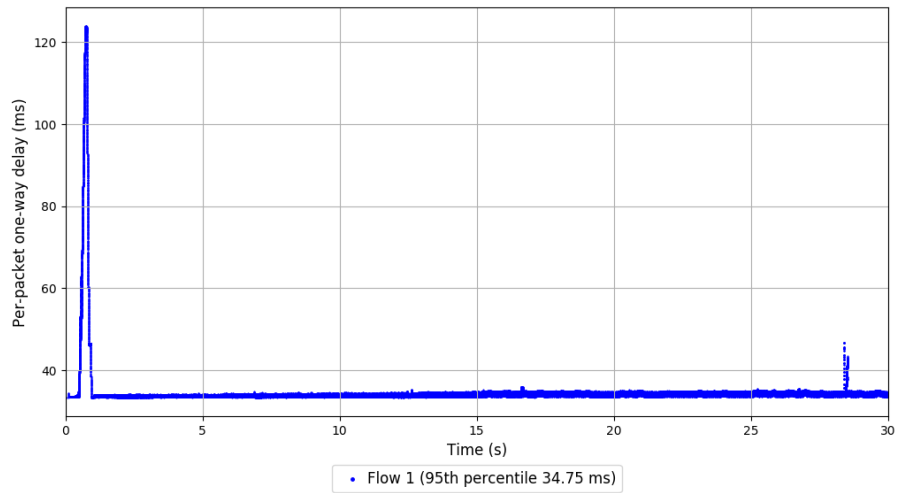
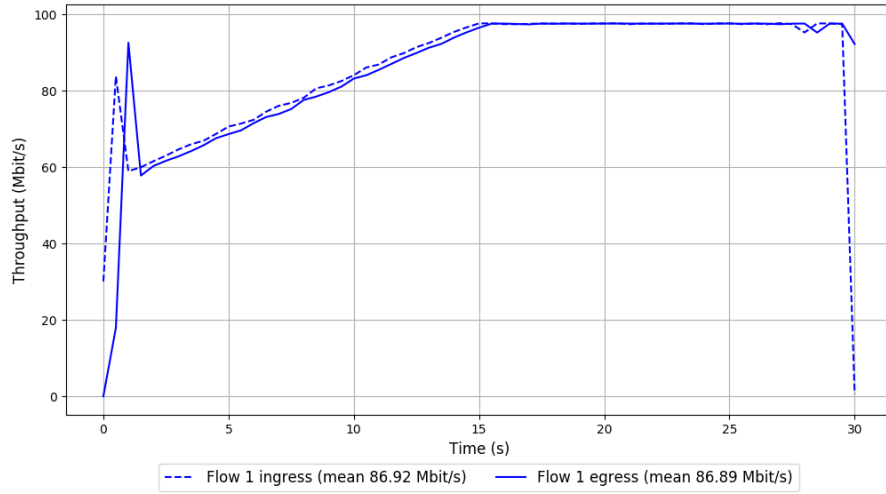
-- Total of 1 flow:

Average throughput: 86.89 Mbit/s
95th percentile per-packet one-way delay: 34.747 ms
Loss rate: 0.25%

-- Flow 1:

Average throughput: 86.89 Mbit/s
95th percentile per-packet one-way delay: 34.747 ms
Loss rate: 0.25%

Run 2: Report of TCP Vegas — Data Link

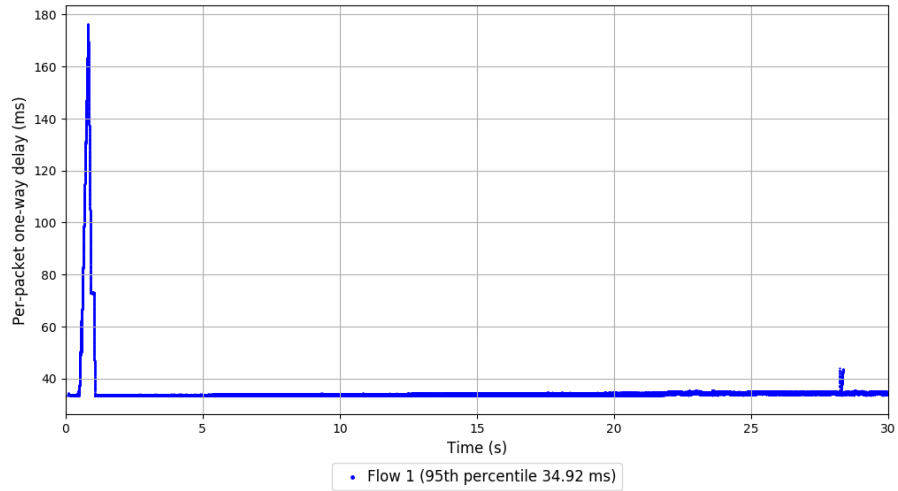
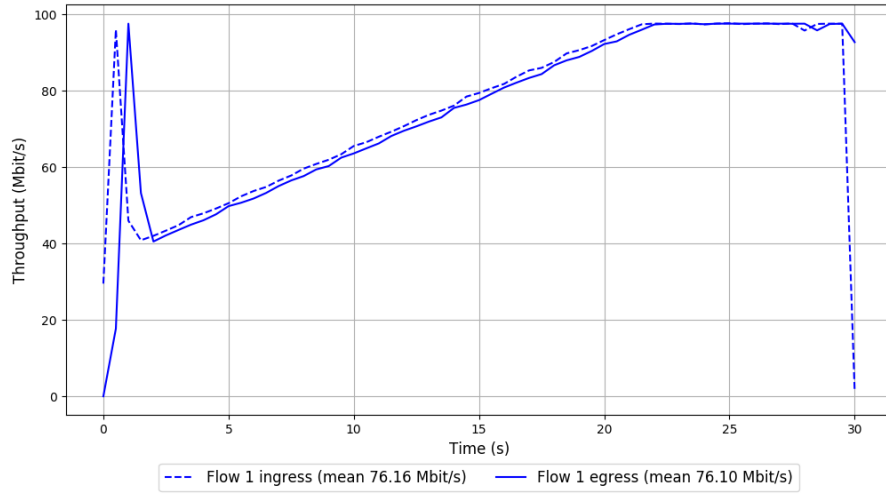


Run 3: Statistics of TCP Vegas

Start at: 2019-03-19 09:48:32
End at: 2019-03-19 09:49:02
Local clock offset: 0.029 ms
Remote clock offset: -1.238 ms

Below is generated by plot.py at 2019-03-19 10:53:40
Datalink statistics
-- Total of 1 flow:
Average throughput: 76.10 Mbit/s
95th percentile per-packet one-way delay: 34.917 ms
Loss rate: 0.28%
-- Flow 1:
Average throughput: 76.10 Mbit/s
95th percentile per-packet one-way delay: 34.917 ms
Loss rate: 0.28%

Run 3: Report of TCP Vegas — Data Link

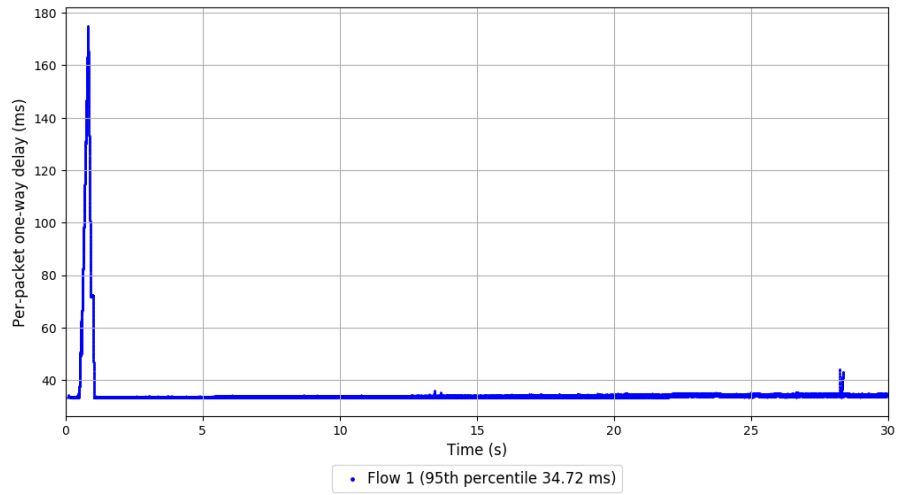
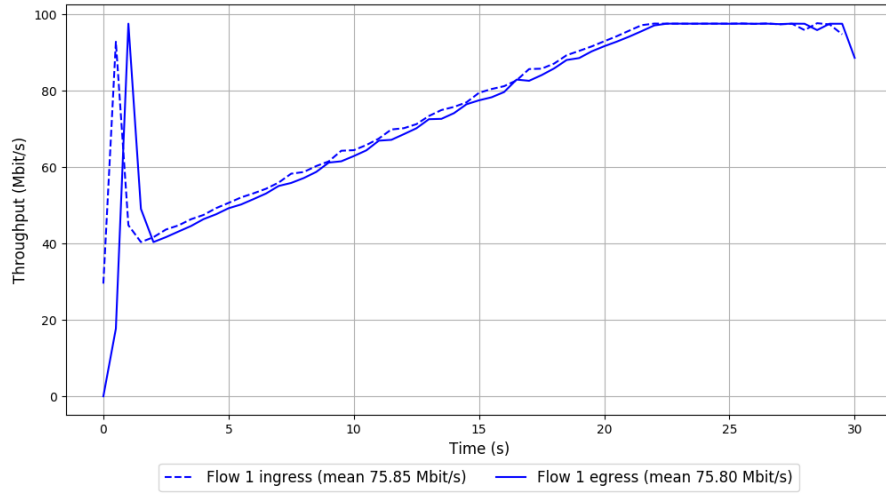


Run 4: Statistics of TCP Vegas

Start at: 2019-03-19 10:13:03
End at: 2019-03-19 10:13:33
Local clock offset: -0.22 ms
Remote clock offset: -0.581 ms

Below is generated by plot.py at 2019-03-19 10:53:40
Datalink statistics
-- Total of 1 flow:
Average throughput: 75.80 Mbit/s
95th percentile per-packet one-way delay: 34.716 ms
Loss rate: 0.28%
-- Flow 1:
Average throughput: 75.80 Mbit/s
95th percentile per-packet one-way delay: 34.716 ms
Loss rate: 0.28%

Run 4: Report of TCP Vegas — Data Link

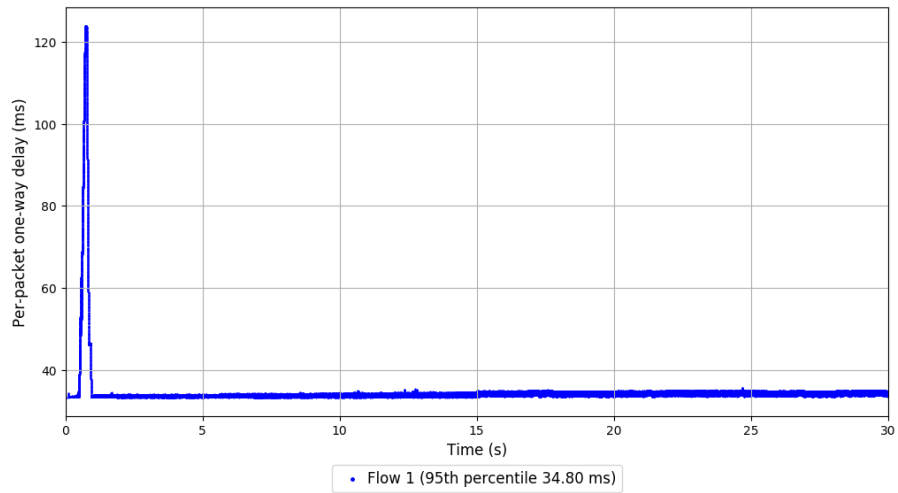
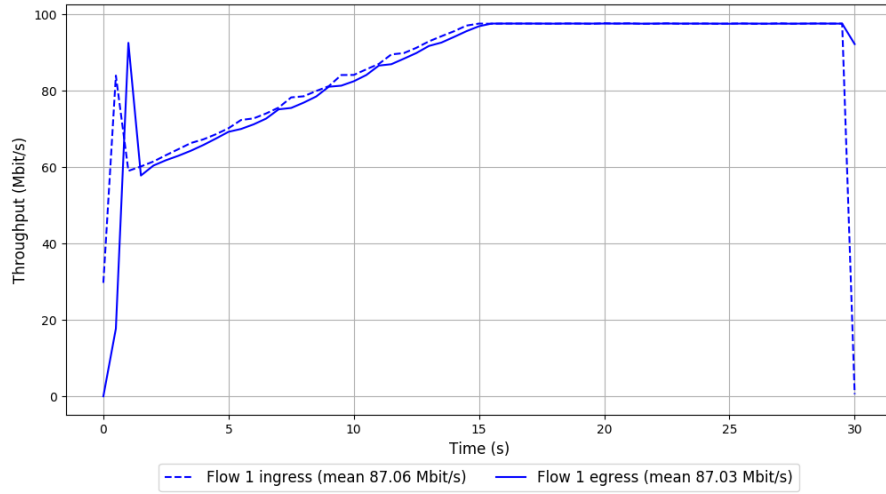


Run 5: Statistics of TCP Vegas

Start at: 2019-03-19 10:37:35
End at: 2019-03-19 10:38:05
Local clock offset: 0.31 ms
Remote clock offset: -0.532 ms

Below is generated by plot.py at 2019-03-19 10:53:56
Datalink statistics
-- Total of 1 flow:
Average throughput: 87.03 Mbit/s
95th percentile per-packet one-way delay: 34.802 ms
Loss rate: 0.24%
-- Flow 1:
Average throughput: 87.03 Mbit/s
95th percentile per-packet one-way delay: 34.802 ms
Loss rate: 0.24%

Run 5: Report of TCP Vegas — Data Link

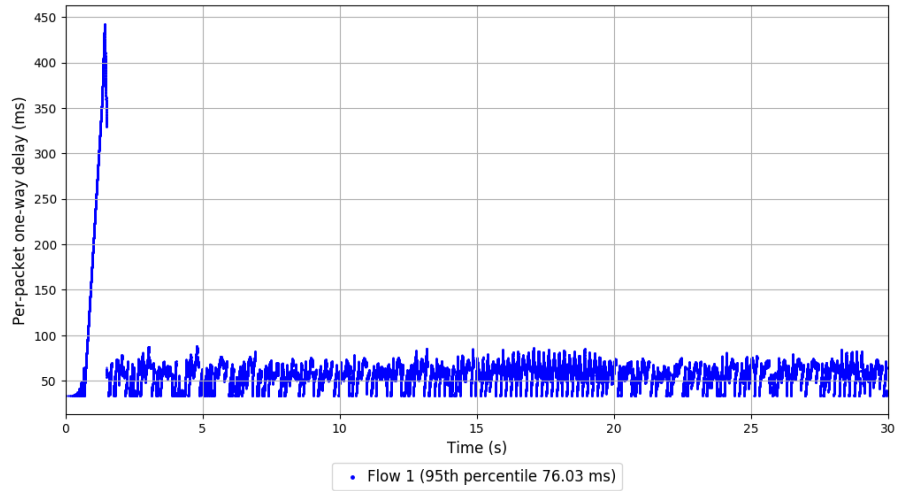
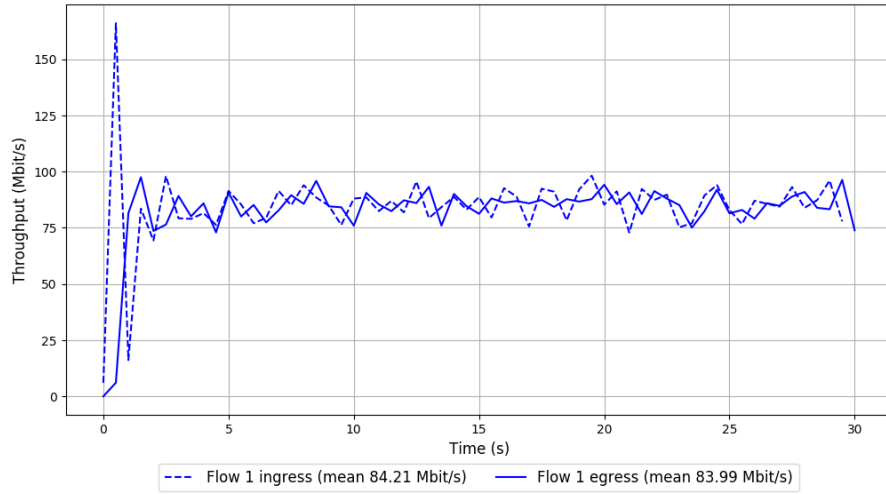


Run 1: Statistics of Verus

Start at: 2019-03-19 08:43:07
End at: 2019-03-19 08:43:37
Local clock offset: 0.075 ms
Remote clock offset: -2.753 ms

Below is generated by plot.py at 2019-03-19 10:53:56
Datalink statistics
-- Total of 1 flow:
Average throughput: 83.99 Mbit/s
95th percentile per-packet one-way delay: 76.031 ms
Loss rate: 0.48%
-- Flow 1:
Average throughput: 83.99 Mbit/s
95th percentile per-packet one-way delay: 76.031 ms
Loss rate: 0.48%

Run 1: Report of Verus — Data Link



Run 2: Statistics of Verus

Start at: 2019-03-19 09:07:39
End at: 2019-03-19 09:08:09
Local clock offset: 0.827 ms
Remote clock offset: -1.772 ms

Below is generated by plot.py at 2019-03-19 10:54:08

Datalink statistics

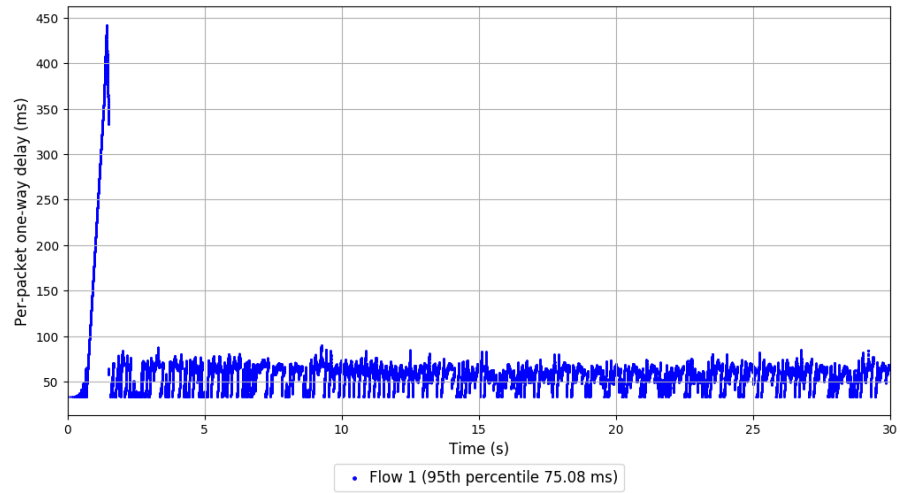
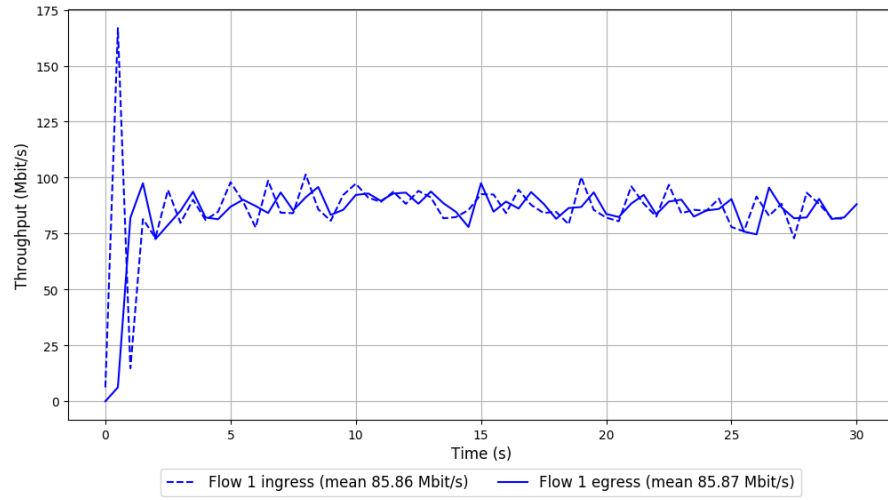
-- Total of 1 flow:

Average throughput: 85.87 Mbit/s
95th percentile per-packet one-way delay: 75.078 ms
Loss rate: 0.25%

-- Flow 1:

Average throughput: 85.87 Mbit/s
95th percentile per-packet one-way delay: 75.078 ms
Loss rate: 0.25%

Run 2: Report of Verus — Data Link

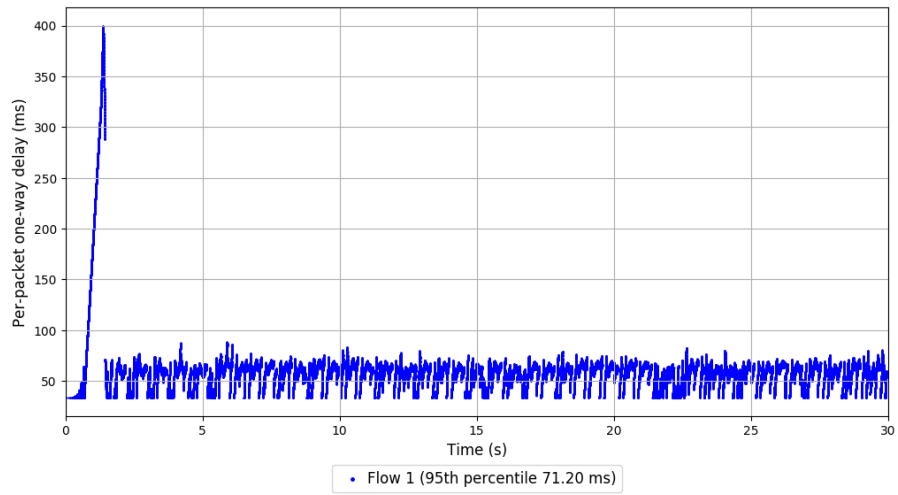
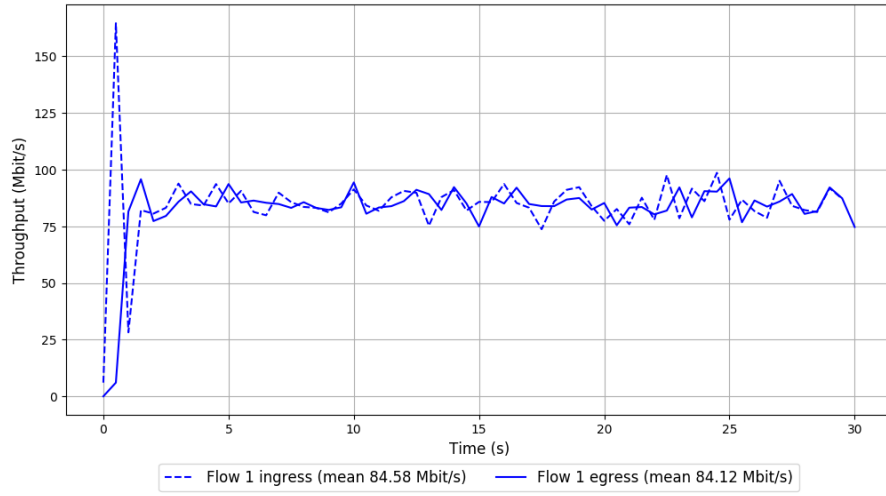


Run 3: Statistics of Verus

Start at: 2019-03-19 09:32:10
End at: 2019-03-19 09:32:40
Local clock offset: 0.22 ms
Remote clock offset: -1.642 ms

Below is generated by plot.py at 2019-03-19 10:54:08
Datalink statistics
-- Total of 1 flow:
Average throughput: 84.12 Mbit/s
95th percentile per-packet one-way delay: 71.203 ms
Loss rate: 0.74%
-- Flow 1:
Average throughput: 84.12 Mbit/s
95th percentile per-packet one-way delay: 71.203 ms
Loss rate: 0.74%

Run 3: Report of Verus — Data Link

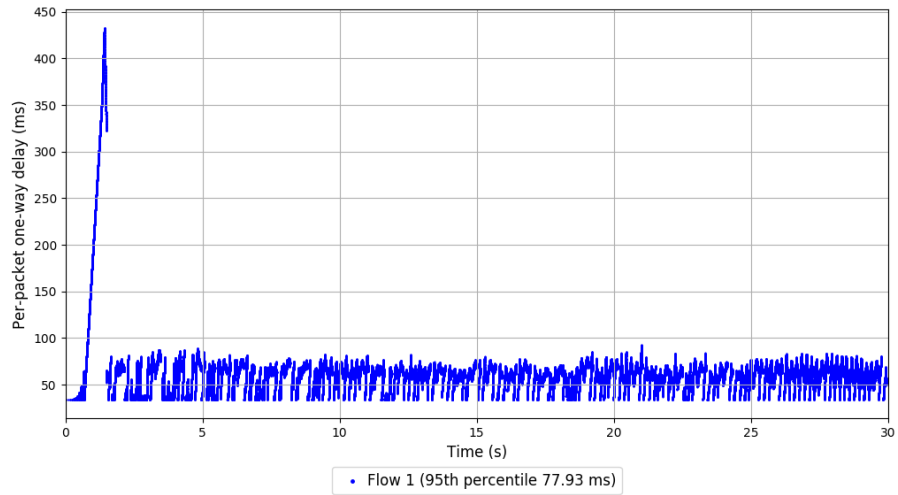
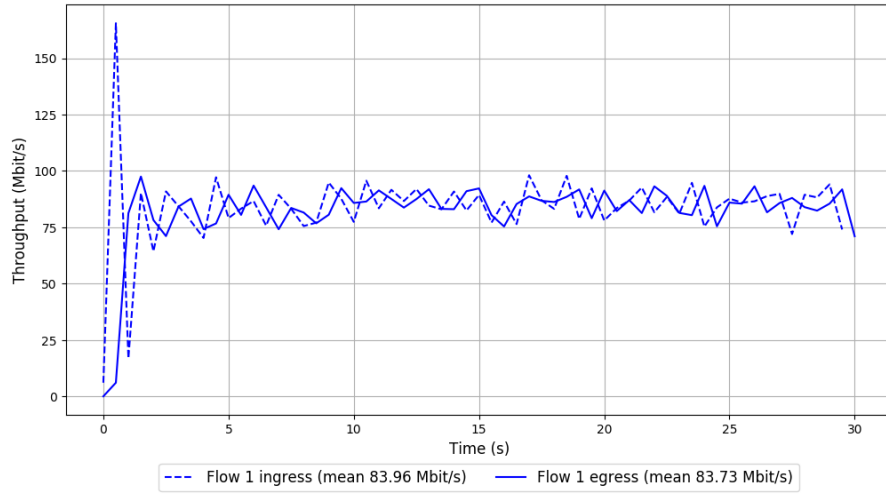


Run 4: Statistics of Verus

Start at: 2019-03-19 09:56:41
End at: 2019-03-19 09:57:11
Local clock offset: -0.081 ms
Remote clock offset: -1.177 ms

Below is generated by plot.py at 2019-03-19 10:54:10
Datalink statistics
-- Total of 1 flow:
Average throughput: 83.73 Mbit/s
95th percentile per-packet one-way delay: 77.928 ms
Loss rate: 0.48%
-- Flow 1:
Average throughput: 83.73 Mbit/s
95th percentile per-packet one-way delay: 77.928 ms
Loss rate: 0.48%

Run 4: Report of Verus — Data Link

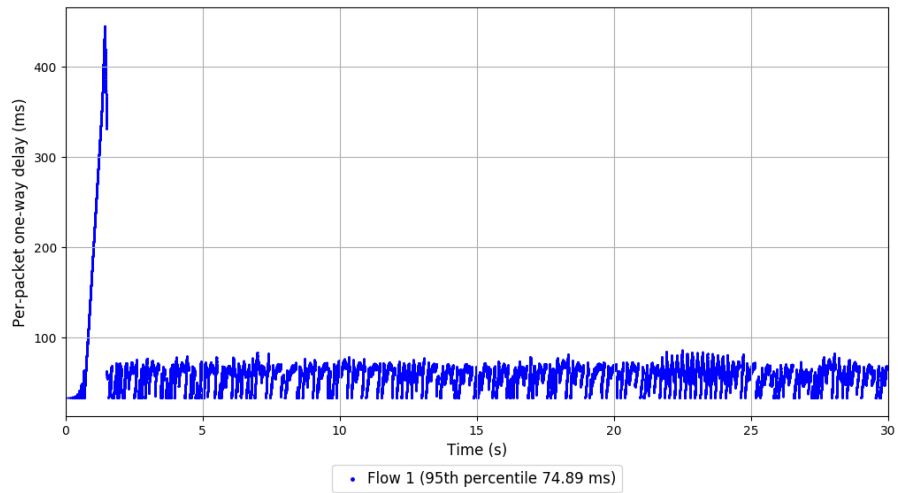
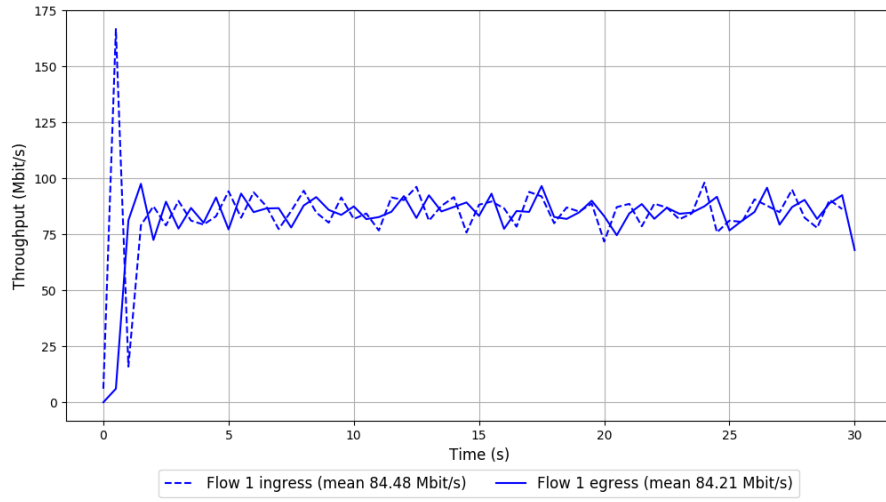


Run 5: Statistics of Verus

Start at: 2019-03-19 10:21:13
End at: 2019-03-19 10:21:43
Local clock offset: 0.013 ms
Remote clock offset: -0.454 ms

Below is generated by plot.py at 2019-03-19 10:54:18
Datalink statistics
-- Total of 1 flow:
Average throughput: 84.21 Mbit/s
95th percentile per-packet one-way delay: 74.889 ms
Loss rate: 0.52%
-- Flow 1:
Average throughput: 84.21 Mbit/s
95th percentile per-packet one-way delay: 74.889 ms
Loss rate: 0.52%

Run 5: Report of Verus — Data Link



Run 1: Statistics of PCC-Vivace

Start at: 2019-03-19 08:58:18

End at: 2019-03-19 08:58:48

Local clock offset: 0.638 ms

Remote clock offset: -2.231 ms

Below is generated by plot.py at 2019-03-19 10:54:39

Datalink statistics

-- Total of 1 flow:

Average throughput: 85.43 Mbit/s

95th percentile per-packet one-way delay: 34.549 ms

Loss rate: 0.22%

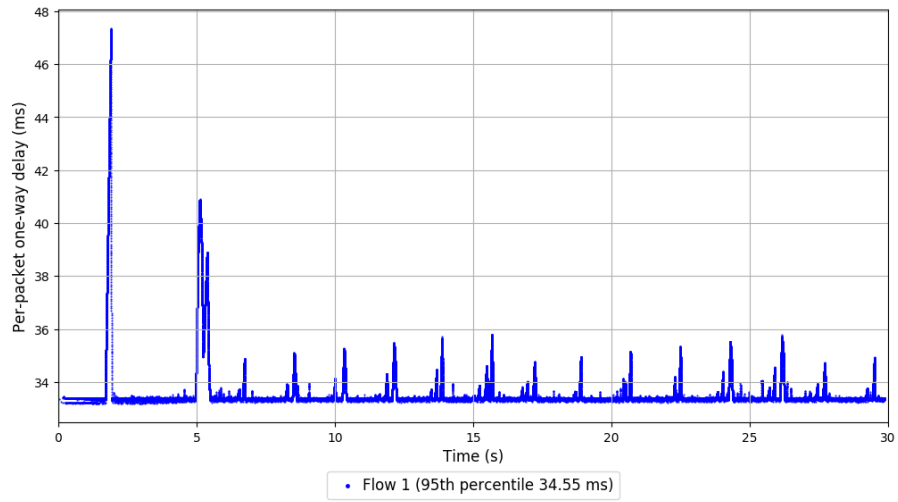
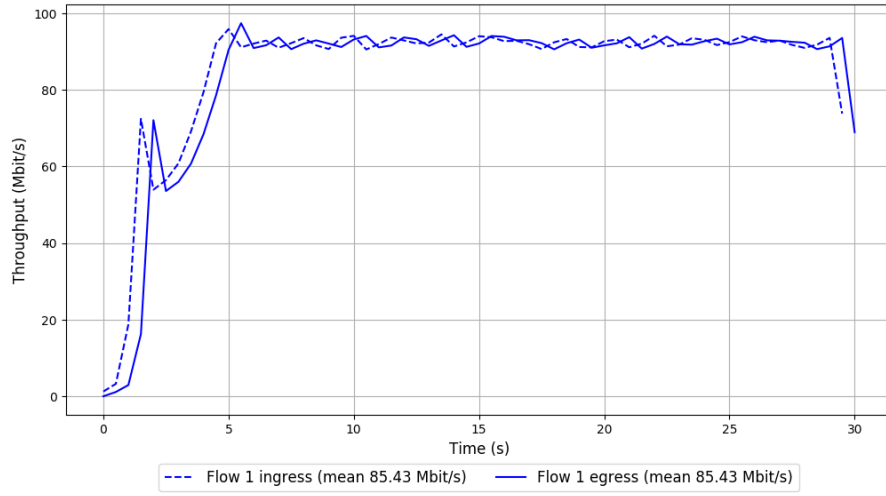
-- Flow 1:

Average throughput: 85.43 Mbit/s

95th percentile per-packet one-way delay: 34.549 ms

Loss rate: 0.22%

Run 1: Report of PCC-Vivace — Data Link



Run 2: Statistics of PCC-Vivace

Start at: 2019-03-19 09:22:49

End at: 2019-03-19 09:23:19

Local clock offset: 0.487 ms

Remote clock offset: -1.546 ms

Below is generated by plot.py at 2019-03-19 10:54:41

Datalink statistics

-- Total of 1 flow:

Average throughput: 85.52 Mbit/s

95th percentile per-packet one-way delay: 34.913 ms

Loss rate: 0.23%

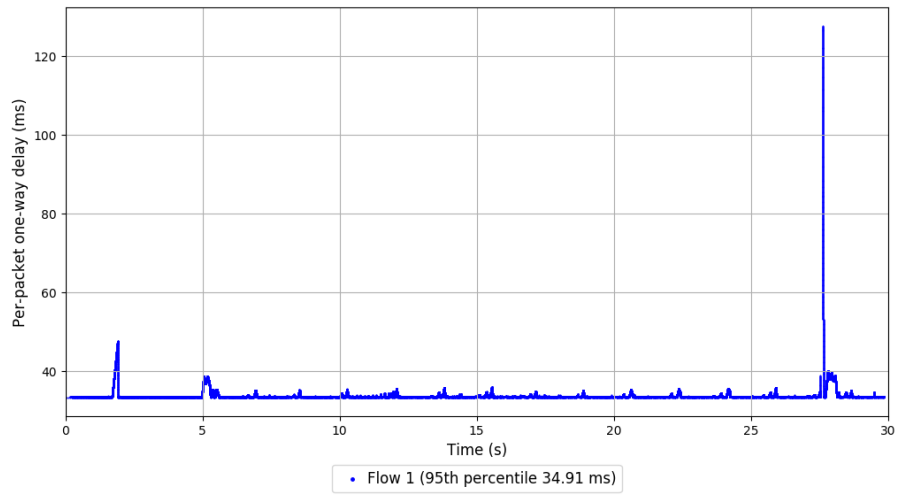
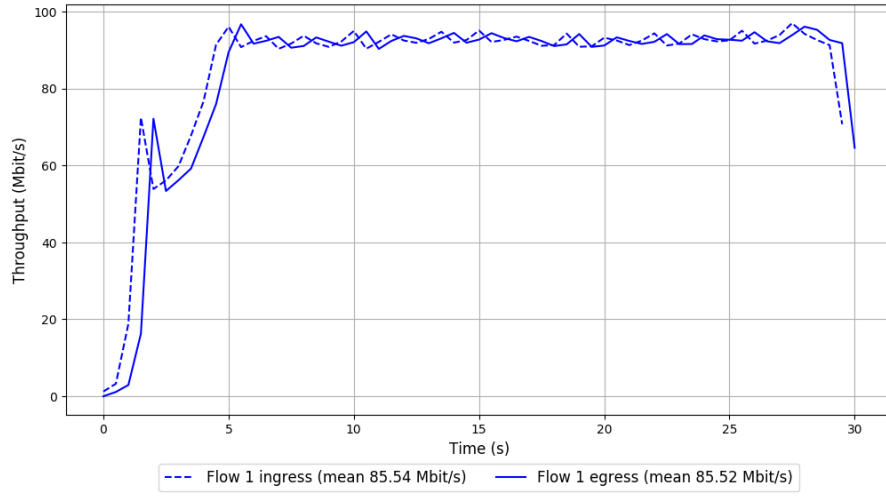
-- Flow 1:

Average throughput: 85.52 Mbit/s

95th percentile per-packet one-way delay: 34.913 ms

Loss rate: 0.23%

Run 2: Report of PCC-Vivace — Data Link



Run 3: Statistics of PCC-Vivace

Start at: 2019-03-19 09:47:21

End at: 2019-03-19 09:47:51

Local clock offset: 0.052 ms

Remote clock offset: -1.178 ms

Below is generated by plot.py at 2019-03-19 10:54:45

Datalink statistics

-- Total of 1 flow:

Average throughput: 85.50 Mbit/s

95th percentile per-packet one-way delay: 34.554 ms

Loss rate: 0.23%

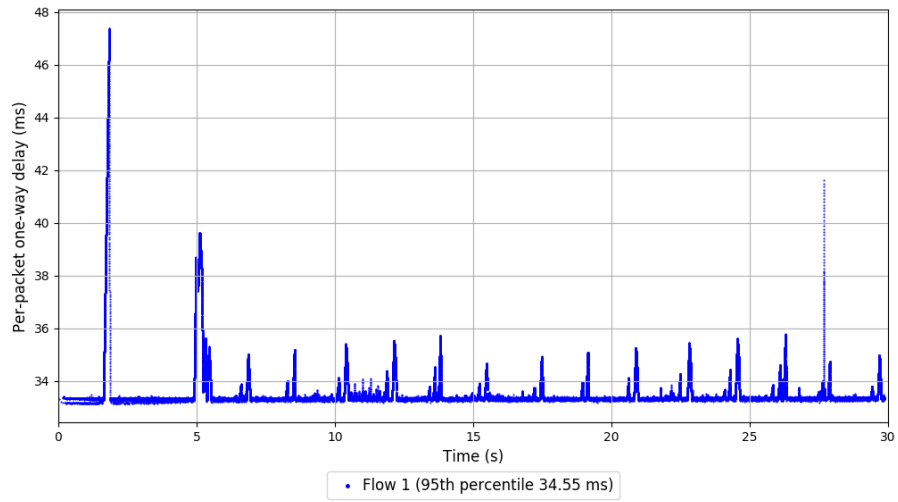
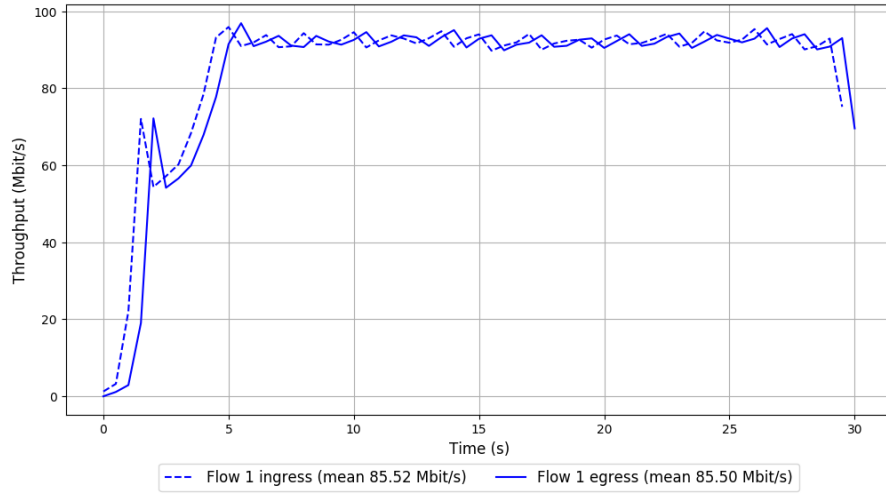
-- Flow 1:

Average throughput: 85.50 Mbit/s

95th percentile per-packet one-way delay: 34.554 ms

Loss rate: 0.23%

Run 3: Report of PCC-Vivace — Data Link



Run 4: Statistics of PCC-Vivace

Start at: 2019-03-19 10:11:52

End at: 2019-03-19 10:12:22

Local clock offset: -0.22 ms

Remote clock offset: -0.622 ms

Below is generated by plot.py at 2019-03-19 10:54:46

Datalink statistics

-- Total of 1 flow:

Average throughput: 84.89 Mbit/s

95th percentile per-packet one-way delay: 35.386 ms

Loss rate: 0.23%

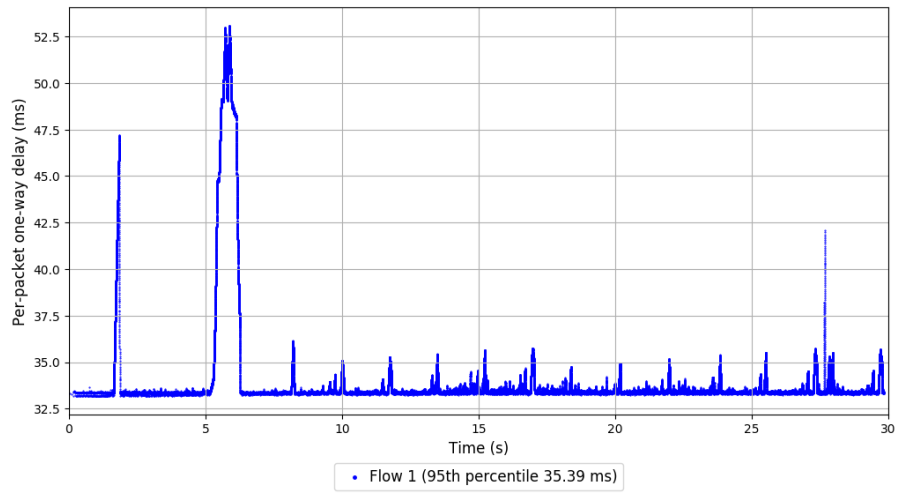
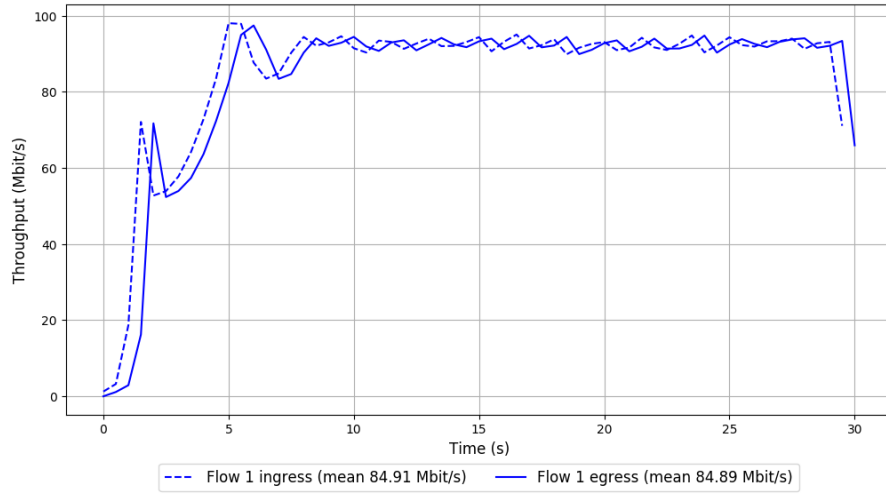
-- Flow 1:

Average throughput: 84.89 Mbit/s

95th percentile per-packet one-way delay: 35.386 ms

Loss rate: 0.23%

Run 4: Report of PCC-Vivace — Data Link



Run 5: Statistics of PCC-Vivace

Start at: 2019-03-19 10:36:24

End at: 2019-03-19 10:36:54

Local clock offset: 0.3 ms

Remote clock offset: -0.565 ms

Below is generated by plot.py at 2019-03-19 10:54:46

Datalink statistics

-- Total of 1 flow:

Average throughput: 85.48 Mbit/s

95th percentile per-packet one-way delay: 34.752 ms

Loss rate: 0.22%

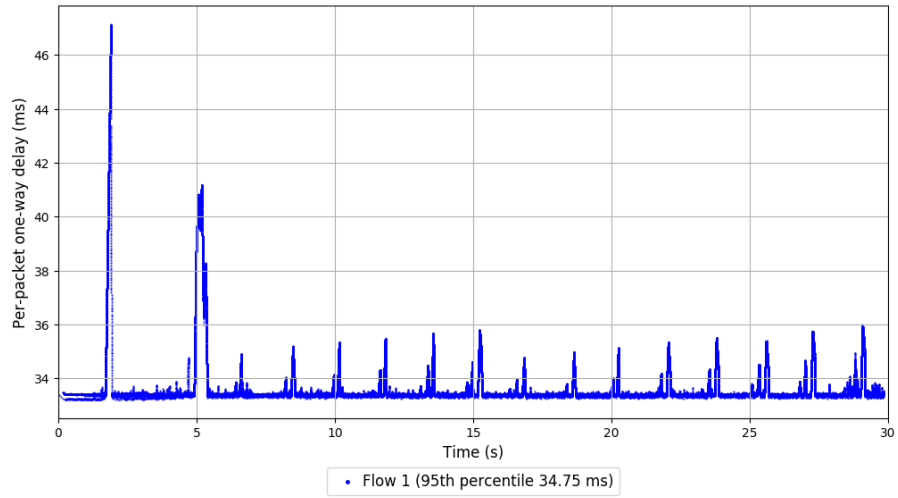
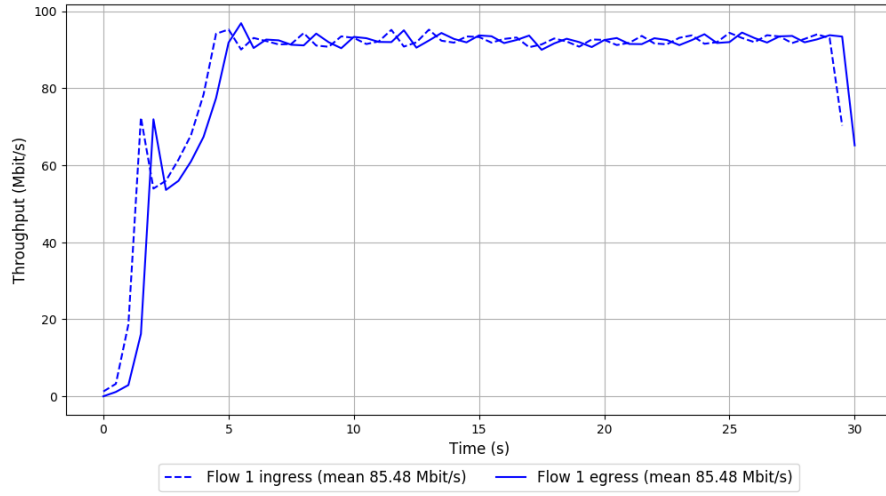
-- Flow 1:

Average throughput: 85.48 Mbit/s

95th percentile per-packet one-way delay: 34.752 ms

Loss rate: 0.22%

Run 5: Report of PCC-Vivace — Data Link

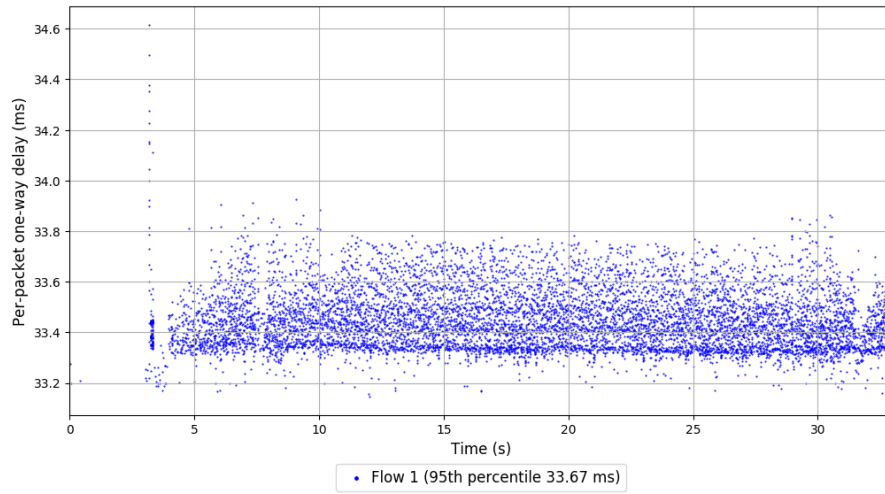
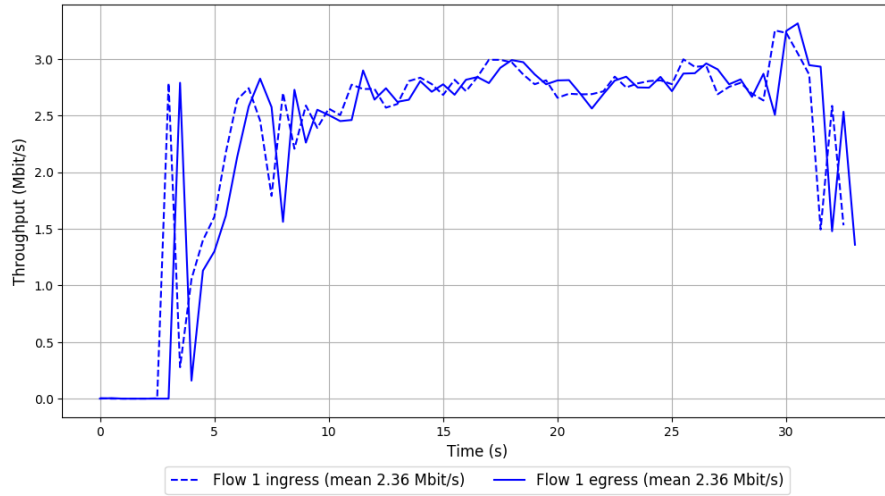


Run 1: Statistics of WebRTC media

Start at: 2019-03-19 08:46:39
End at: 2019-03-19 08:47:09
Local clock offset: 0.1 ms
Remote clock offset: -2.714 ms

Below is generated by plot.py at 2019-03-19 10:54:46
Datalink statistics
-- Total of 1 flow:
Average throughput: 2.36 Mbit/s
95th percentile per-packet one-way delay: 33.675 ms
Loss rate: 0.24%
-- Flow 1:
Average throughput: 2.36 Mbit/s
95th percentile per-packet one-way delay: 33.675 ms
Loss rate: 0.24%

Run 1: Report of WebRTC media — Data Link

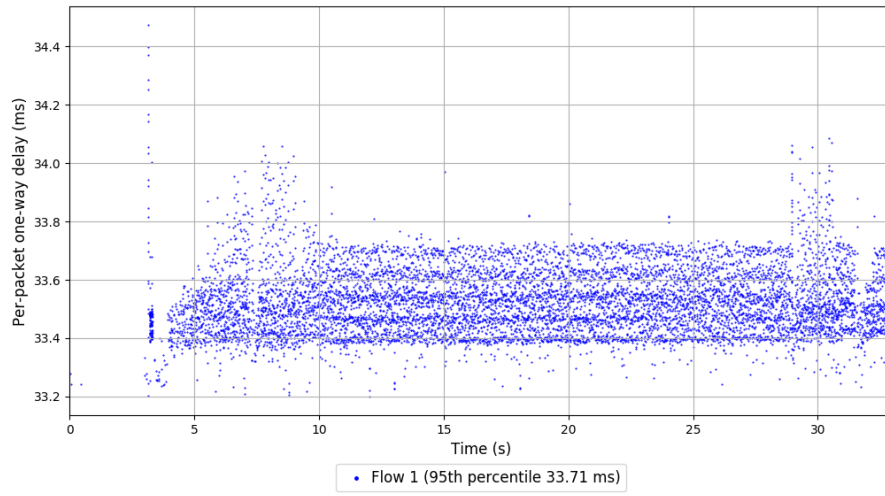
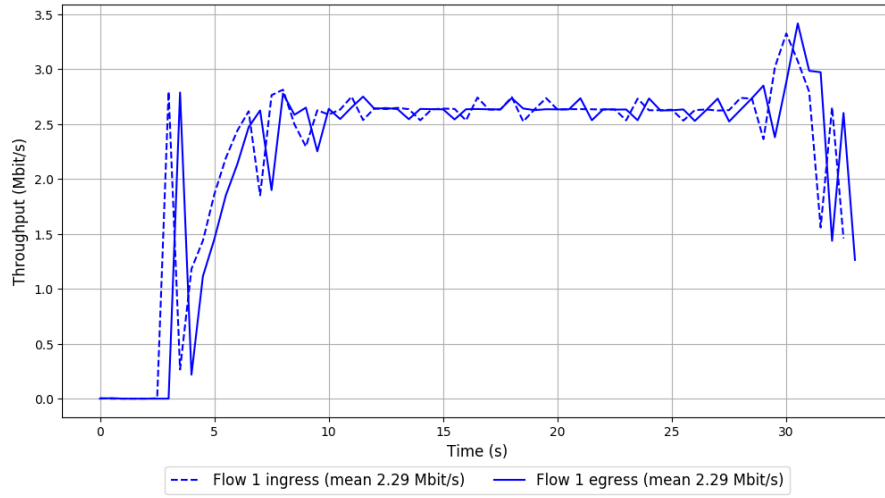


Run 2: Statistics of WebRTC media

Start at: 2019-03-19 09:11:10
End at: 2019-03-19 09:11:40
Local clock offset: 0.873 ms
Remote clock offset: -1.644 ms

Below is generated by plot.py at 2019-03-19 10:54:46
Datalink statistics
-- Total of 1 flow:
Average throughput: 2.29 Mbit/s
95th percentile per-packet one-way delay: 33.710 ms
Loss rate: 0.26%
-- Flow 1:
Average throughput: 2.29 Mbit/s
95th percentile per-packet one-way delay: 33.710 ms
Loss rate: 0.26%

Run 2: Report of WebRTC media — Data Link

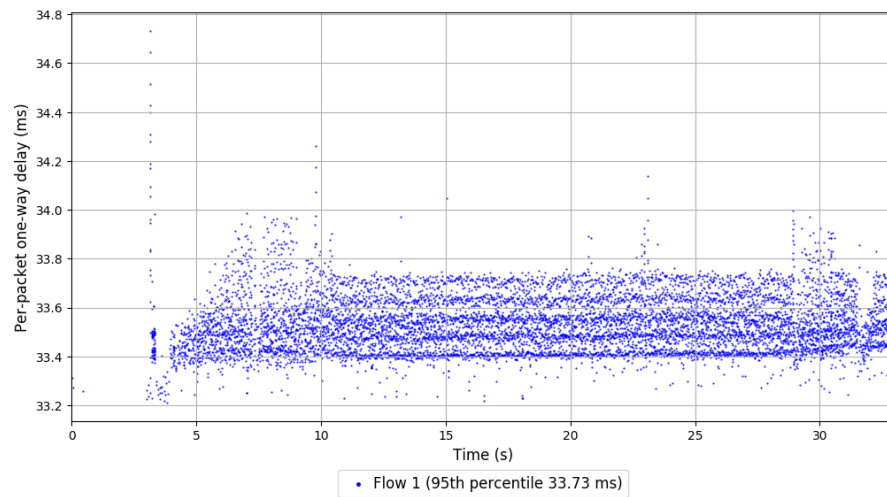
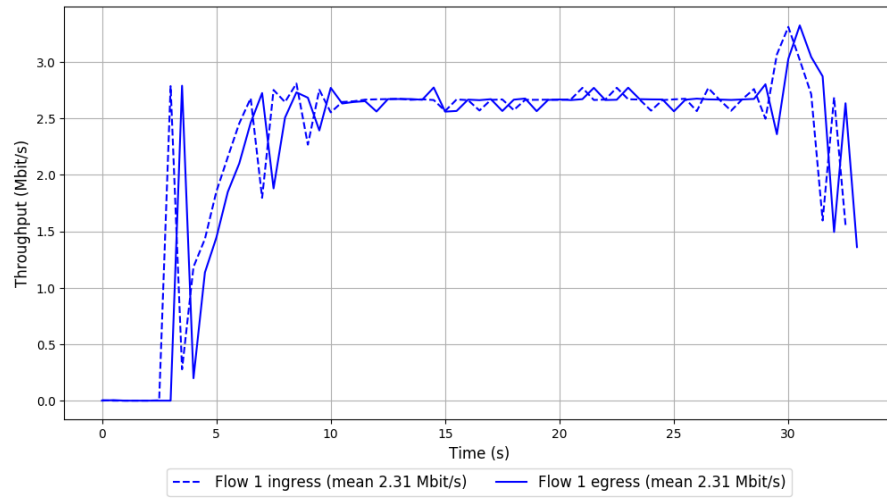


Run 3: Statistics of WebRTC media

Start at: 2019-03-19 09:35:42
End at: 2019-03-19 09:36:12
Local clock offset: 0.185 ms
Remote clock offset: -1.516 ms

Below is generated by plot.py at 2019-03-19 10:54:46
Datalink statistics
-- Total of 1 flow:
Average throughput: 2.31 Mbit/s
95th percentile per-packet one-way delay: 33.725 ms
Loss rate: 0.26%
-- Flow 1:
Average throughput: 2.31 Mbit/s
95th percentile per-packet one-way delay: 33.725 ms
Loss rate: 0.26%

Run 3: Report of WebRTC media — Data Link

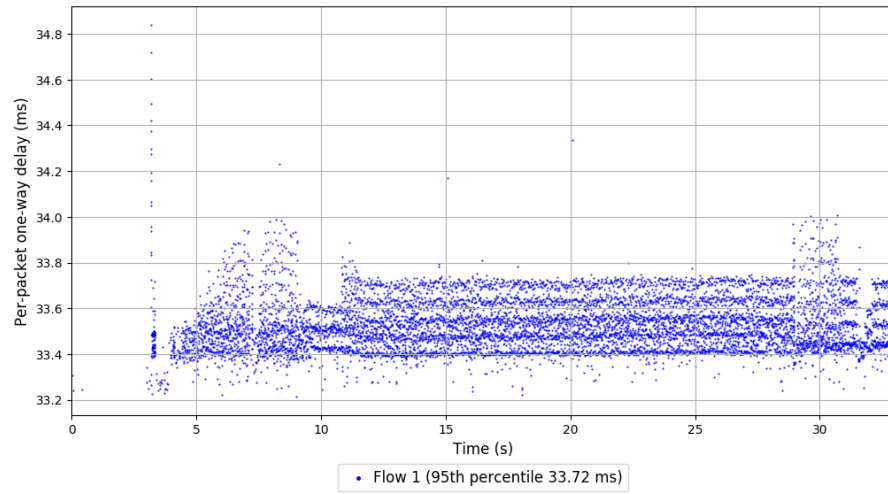
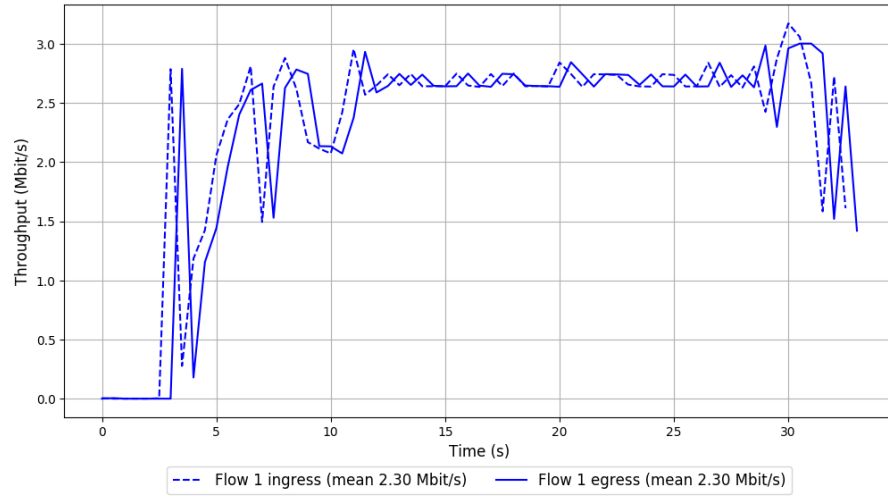


Run 4: Statistics of WebRTC media

Start at: 2019-03-19 10:00:13
End at: 2019-03-19 10:00:43
Local clock offset: -0.123 ms
Remote clock offset: -0.868 ms

Below is generated by plot.py at 2019-03-19 10:54:46
Datalink statistics
-- Total of 1 flow:
Average throughput: 2.30 Mbit/s
95th percentile per-packet one-way delay: 33.720 ms
Loss rate: 0.25%
-- Flow 1:
Average throughput: 2.30 Mbit/s
95th percentile per-packet one-way delay: 33.720 ms
Loss rate: 0.25%

Run 4: Report of WebRTC media — Data Link



Run 5: Statistics of WebRTC media

Start at: 2019-03-19 10:24:44
End at: 2019-03-19 10:25:14
Local clock offset: 0.121 ms
Remote clock offset: -0.489 ms

Below is generated by plot.py at 2019-03-19 10:54:46
Datalink statistics
-- Total of 1 flow:
Average throughput: 2.25 Mbit/s
95th percentile per-packet one-way delay: 33.656 ms
Loss rate: 0.27%
-- Flow 1:
Average throughput: 2.25 Mbit/s
95th percentile per-packet one-way delay: 33.656 ms
Loss rate: 0.27%

Run 5: Report of WebRTC media — Data Link

