

Pantheon Report

Generated at 2020-02-17 23:59:43 (UTC).

Data path: AWS India 1 on `ens5` (*local*) → India on `em1` (*remote*).

Repeated the test of 24 congestion control schemes 5 times.

Each test lasted for 30 seconds running 1 flow.

NTP offsets were measured against `nets.org.sg` and have been applied to correct the timestamps in logs.

System info:

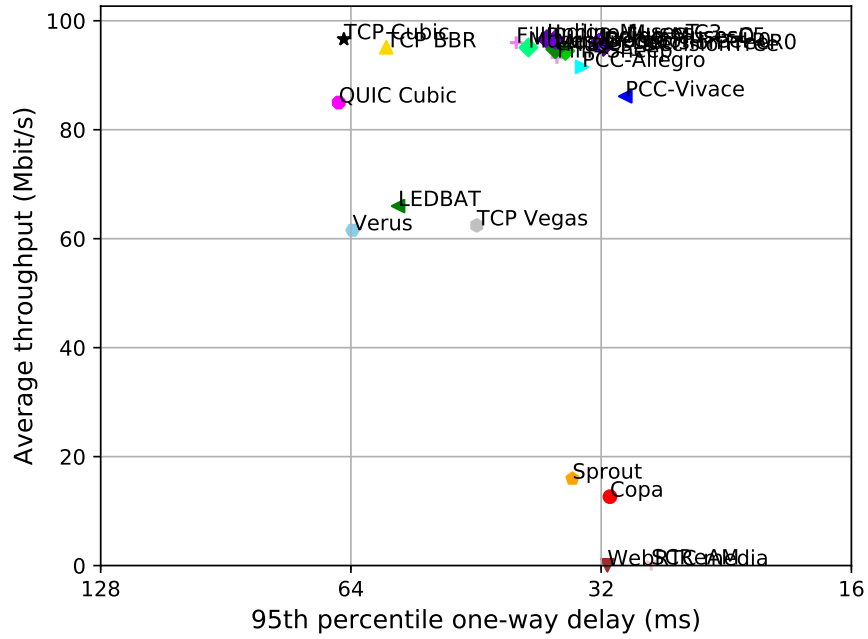
```
Linux 4.15.0-1056-aws
net.core.default_qdisc = fq
net.core.rmem_default = 16777216
net.core.rmem_max = 536870912
net.core.wmem_default = 16777216
net.core.wmem_max = 536870912
net.ipv4.tcp_rmem = 4096 16777216 536870912
net.ipv4.tcp_wmem = 4096 16777216 536870912
```

Git summary:

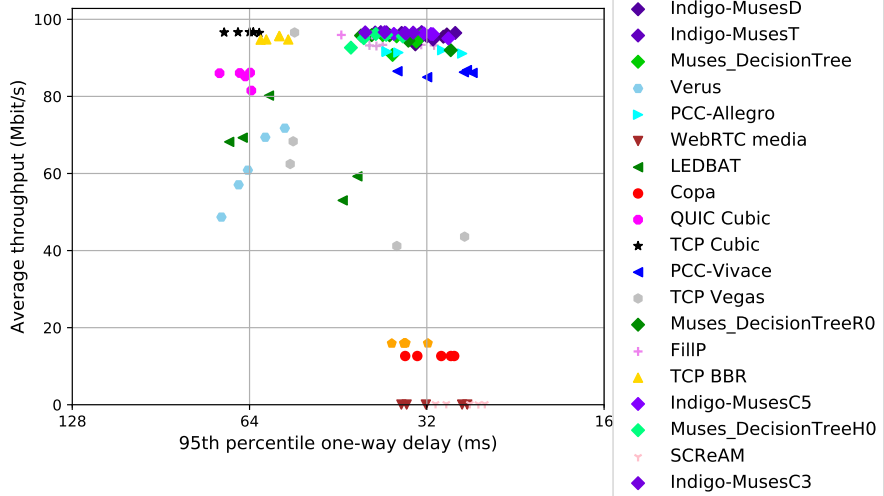
```
branch: muses @ de42328552b3776a75a932a94dfafd722537b0ec
third_party/fillp @ d6da1459332fcee56963885d7eba17e6a32d4519
third_party/fillp-sheep @ 0e5bb722943babcd2b090d2c64fcd45e12e923f9
third_party/genericCC @ d0153f8e594aa89e93b032143cedbdf58e562f4
third_party/indigo @ 2601c92e4aa9d58d38dc4dfe0ecdbf90c077e64d
third_party/libutp @ b3465b942e2826f2b179eaab4a906ce6bb7cf3cf
third_party/muses @ 5ce721187ad823da20955337730c746486ca4966
third_party/muses_dtree @ 387225f7b5f61ddbe92d708a8869ffbb84eb3200
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 AWS India 1 to India, 5 runs of 30s each per scheme
(mean of all runs by scheme)



test from AWS India 1 to India, 5 runs of 30s each per 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	95.12	58.03	0.87
Copa	5	12.65	31.23	72.96
TCP Cubic	5	96.61	65.26	0.47
FillP	5	95.98	40.49	0.54
FillP-Sheep	5	93.25	36.17	0.33
Indigo	5	95.21	31.81	0.00
Indigo-MusesC3	5	96.52	36.36	0.09
Indigo-MusesC5	5	95.98	32.18	0.01
Indigo-MusesD	5	95.91	32.15	0.01
Indigo-MusesT	5	96.62	37.19	0.17
LEDBAT	5	65.99	56.16	0.10
Muses_DecisionTree	5	94.47	35.34	0.00
Muses_DecisionTreeH0	5	95.09	39.15	0.10
Muses_DecisionTreeR0	5	94.79	36.33	0.01
PCC-Allegro	5	91.54	33.73	0.52
PCC-Expr	0	N/A	N/A	N/A
QUIC Cubic	5	84.99	66.19	1.43
SCReAM	5	0.21	27.86	0.03
Sprout	5	15.96	34.65	0.02
TaoVA-100x	0	N/A	N/A	N/A
TCP Vegas	5	62.44	45.16	0.71
Verus	5	61.55	63.72	28.31
PCC-Vivace	5	86.14	29.93	0.00
WebRTC media	5	0.05	31.46	0.00

Run 1: Statistics of TCP BBR

Start at: 2020-02-17 21:44:20

End at: 2020-02-17 21:44:50

Local clock offset: 6.494 ms

Remote clock offset: -3.247 ms

Below is generated by plot.py at 2020-02-17 23:48:12

Datalink statistics

-- Total of 1 flow:

Average throughput: 95.67 Mbit/s

95th percentile per-packet one-way delay: 56.949 ms

Loss rate: 0.98%

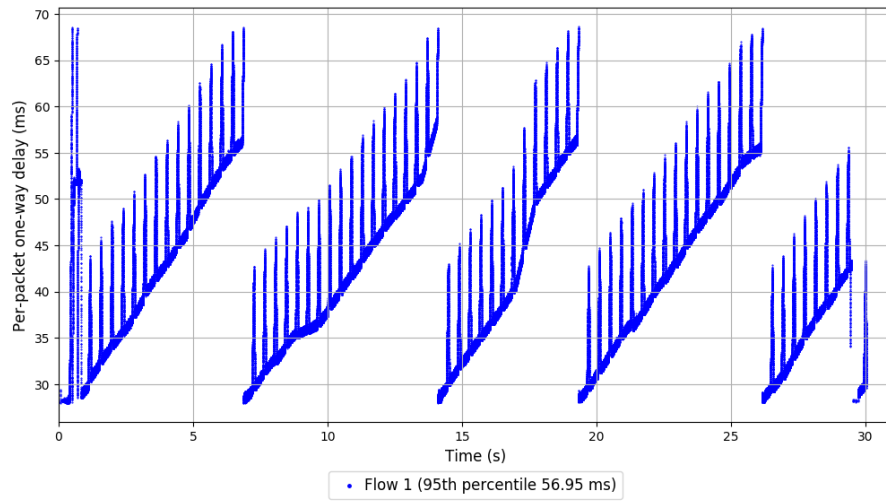
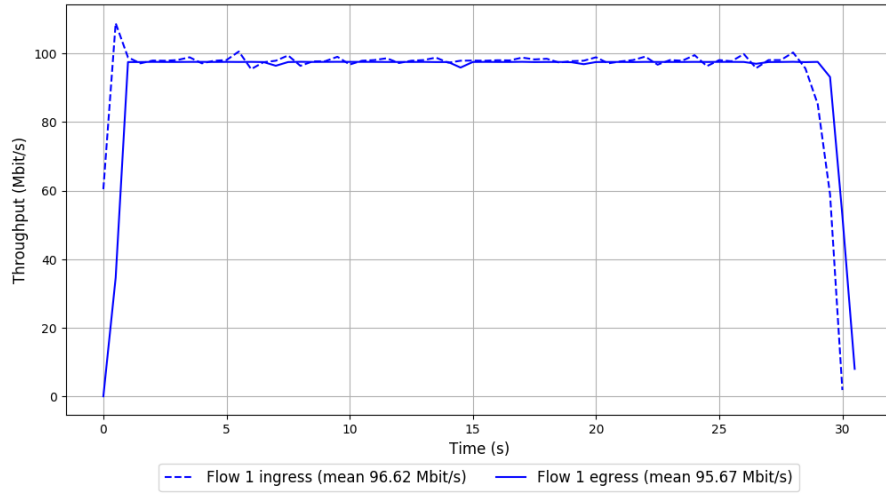
-- Flow 1:

Average throughput: 95.67 Mbit/s

95th percentile per-packet one-way delay: 56.949 ms

Loss rate: 0.98%

Run 1: Report of TCP BBR — Data Link



Run 2: Statistics of TCP BBR

Start at: 2020-02-17 22:11:41

End at: 2020-02-17 22:12:11

Local clock offset: 5.931 ms

Remote clock offset: -1.314 ms

Below is generated by plot.py at 2020-02-17 23:48:12

Datalink statistics

-- Total of 1 flow:

Average throughput: 95.66 Mbit/s

95th percentile per-packet one-way delay: 56.974 ms

Loss rate: 0.75%

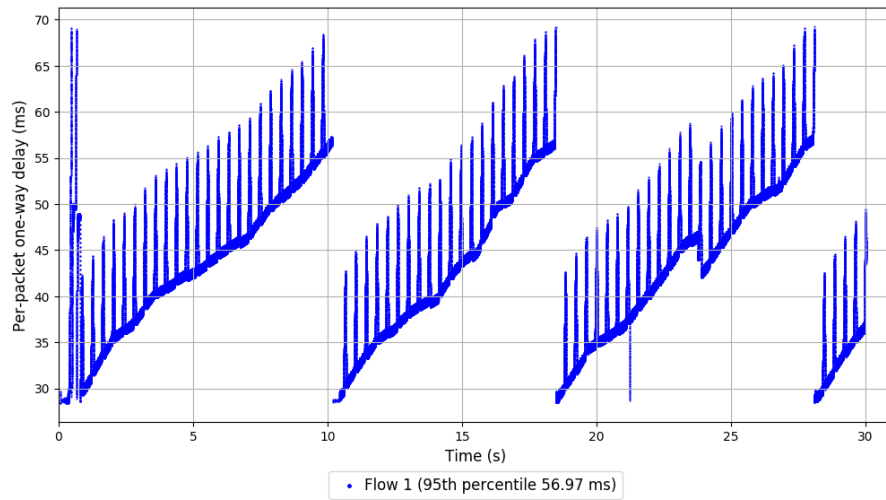
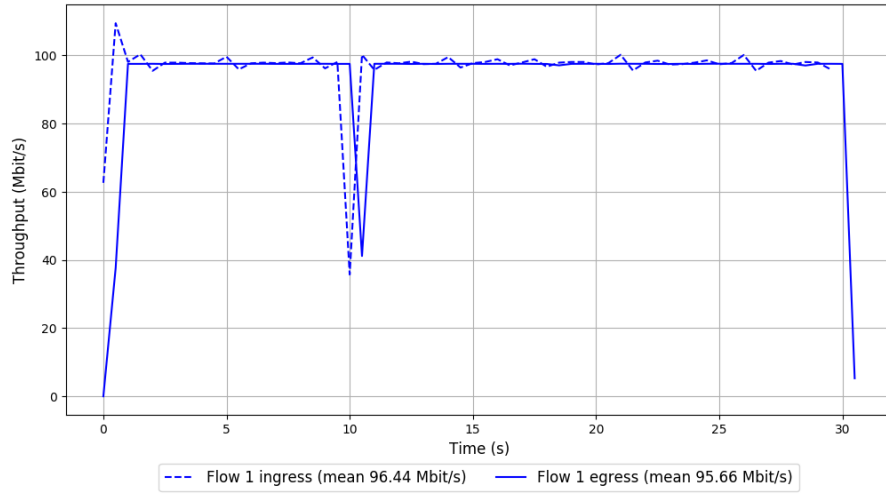
-- Flow 1:

Average throughput: 95.66 Mbit/s

95th percentile per-packet one-way delay: 56.974 ms

Loss rate: 0.75%

Run 2: Report of TCP BBR — Data Link



Run 3: Statistics of TCP BBR

Start at: 2020-02-17 22:38:55

End at: 2020-02-17 22:39:25

Local clock offset: 1.493 ms

Remote clock offset: -1.714 ms

Below is generated by plot.py at 2020-02-17 23:48:12

Datalink statistics

-- Total of 1 flow:

Average throughput: 94.72 Mbit/s

95th percentile per-packet one-way delay: 61.285 ms

Loss rate: 1.00%

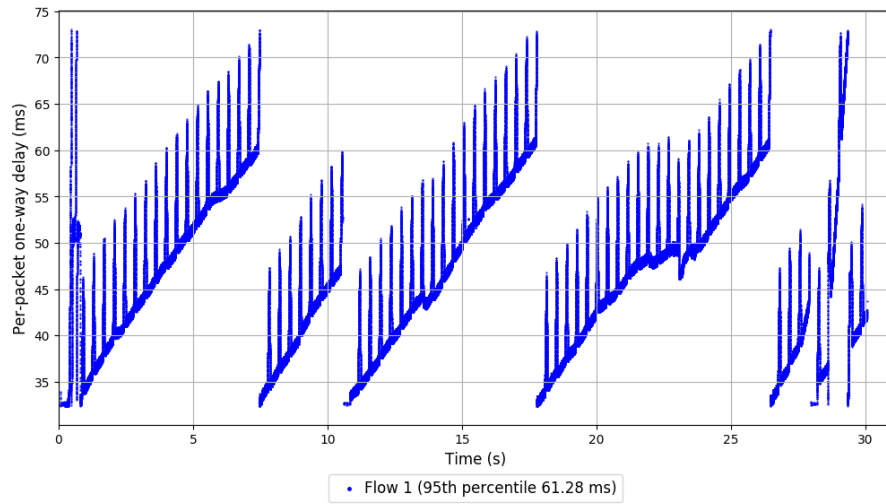
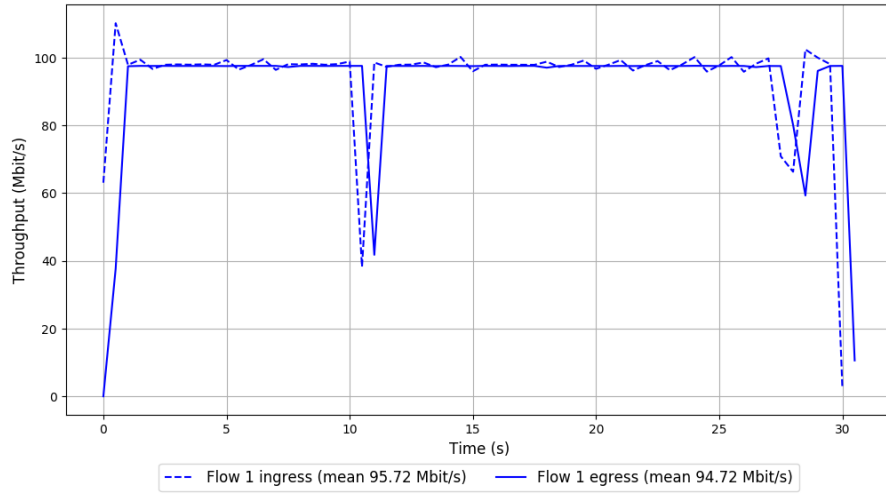
-- Flow 1:

Average throughput: 94.72 Mbit/s

95th percentile per-packet one-way delay: 61.285 ms

Loss rate: 1.00%

Run 3: Report of TCP BBR — Data Link



Run 4: Statistics of TCP BBR

Start at: 2020-02-17 23:06:07

End at: 2020-02-17 23:06:37

Local clock offset: 6.237 ms

Remote clock offset: -3.077 ms

Below is generated by plot.py at 2020-02-17 23:48:12

Datalink statistics

-- Total of 1 flow:

Average throughput: 94.77 Mbit/s

95th percentile per-packet one-way delay: 55.010 ms

Loss rate: 0.86%

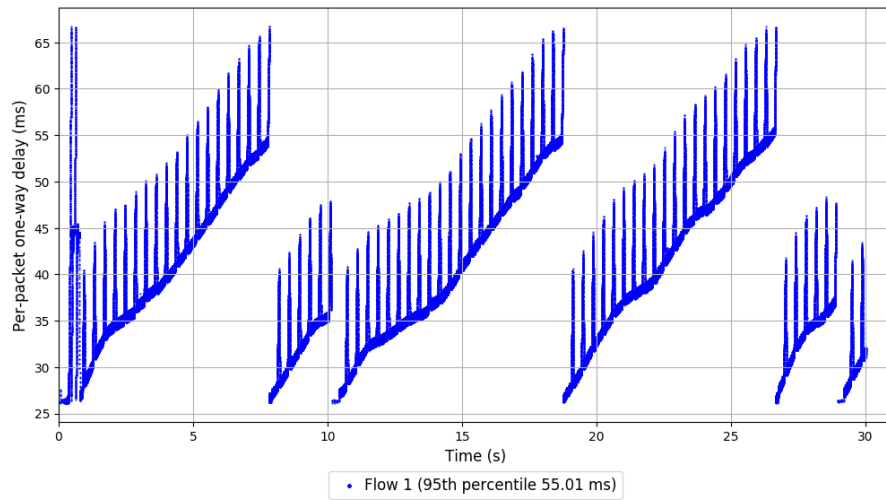
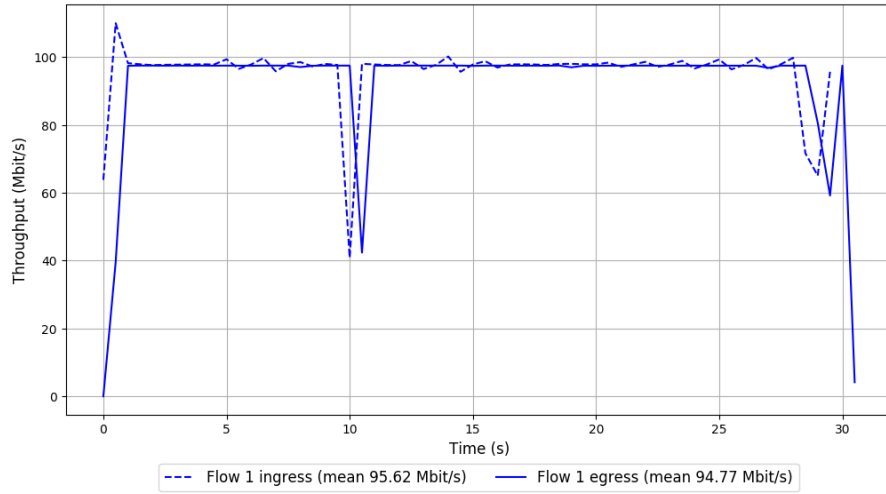
-- Flow 1:

Average throughput: 94.77 Mbit/s

95th percentile per-packet one-way delay: 55.010 ms

Loss rate: 0.86%

Run 4: Report of TCP BBR — Data Link



Run 5: Statistics of TCP BBR

Start at: 2020-02-17 23:33:21

End at: 2020-02-17 23:33:51

Local clock offset: 1.005 ms

Remote clock offset: -5.944 ms

Below is generated by plot.py at 2020-02-17 23:48:12

Datalink statistics

-- Total of 1 flow:

Average throughput: 94.79 Mbit/s

95th percentile per-packet one-way delay: 59.938 ms

Loss rate: 0.76%

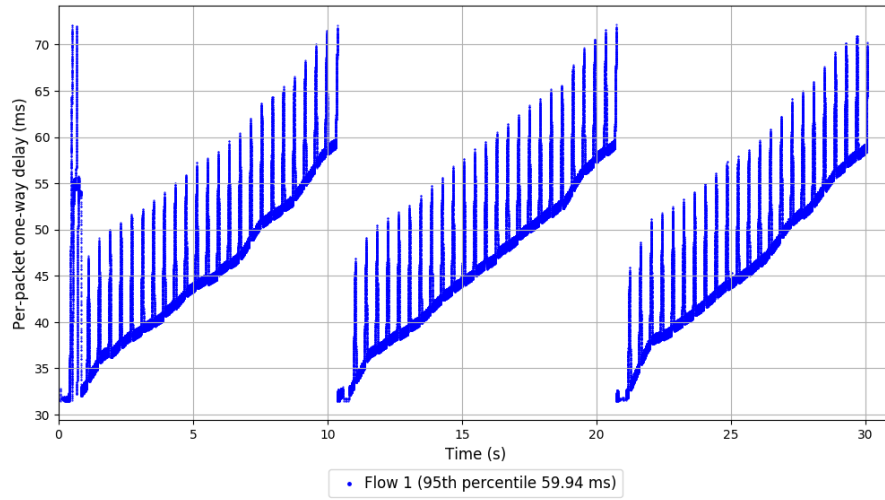
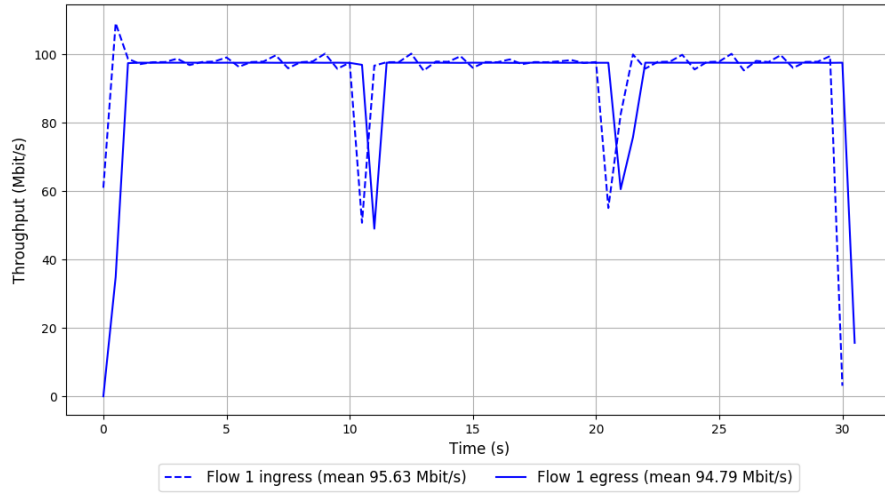
-- Flow 1:

Average throughput: 94.79 Mbit/s

95th percentile per-packet one-way delay: 59.938 ms

Loss rate: 0.76%

Run 5: Report of TCP BBR — Data Link



Run 1: Statistics of Copa

Start at: 2020-02-17 21:36:27

End at: 2020-02-17 21:36:57

Local clock offset: 6.009 ms

Remote clock offset: -2.48 ms

Below is generated by plot.py at 2020-02-17 23:48:12

Datalink statistics

-- Total of 1 flow:

Average throughput: 12.65 Mbit/s

95th percentile per-packet one-way delay: 28.752 ms

Loss rate: 73.77%

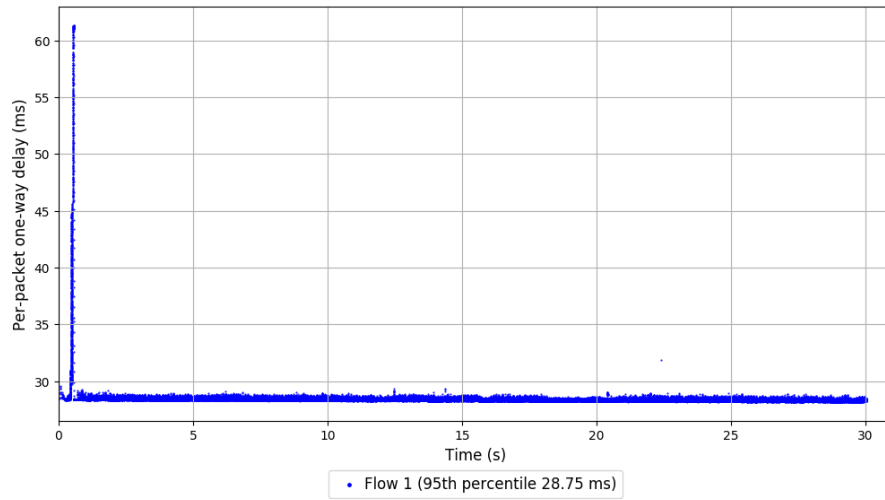
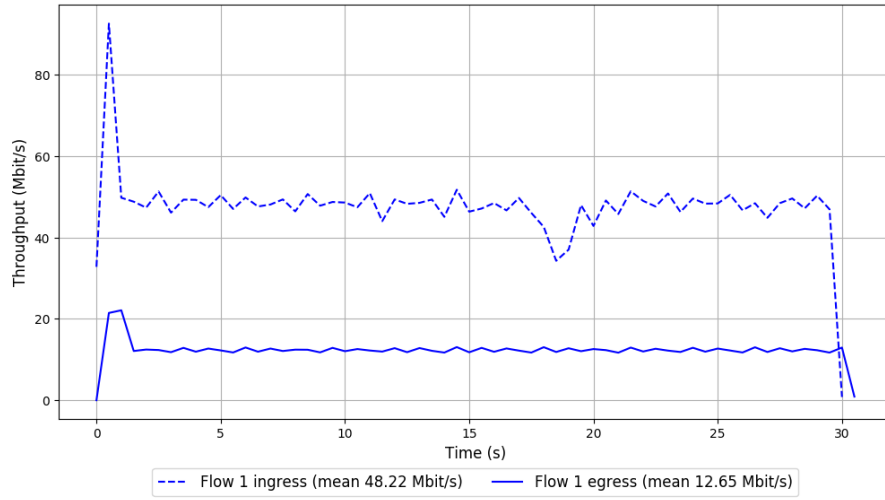
-- Flow 1:

Average throughput: 12.65 Mbit/s

95th percentile per-packet one-way delay: 28.752 ms

Loss rate: 73.77%

Run 1: Report of Copa — Data Link



Run 2: Statistics of Copa

Start at: 2020-02-17 22:03:48

End at: 2020-02-17 22:04:18

Local clock offset: 5.503 ms

Remote clock offset: -1.347 ms

Below is generated by plot.py at 2020-02-17 23:48:12

Datalink statistics

-- Total of 1 flow:

Average throughput: 12.65 Mbit/s

95th percentile per-packet one-way delay: 30.243 ms

Loss rate: 73.66%

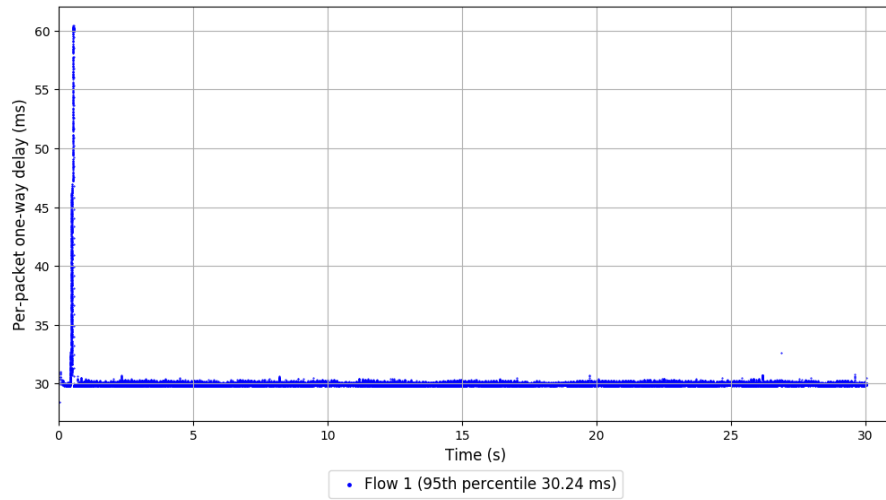
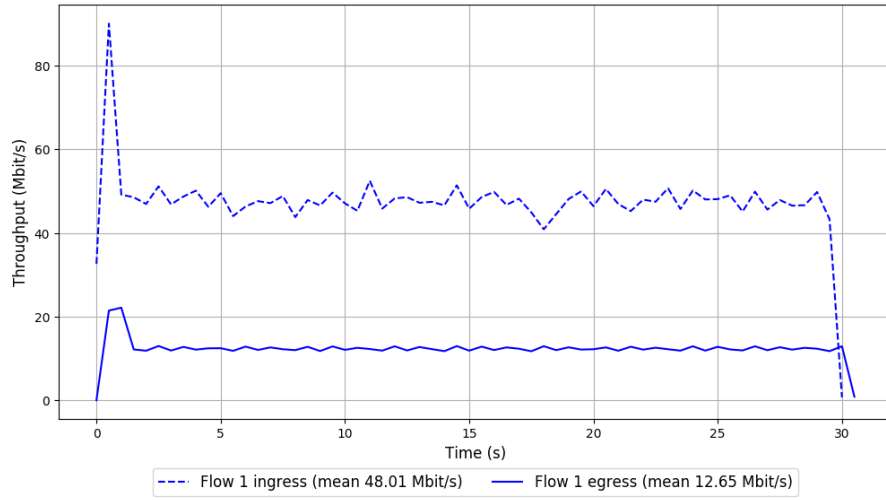
-- Flow 1:

Average throughput: 12.65 Mbit/s

95th percentile per-packet one-way delay: 30.243 ms

Loss rate: 73.66%

Run 2: Report of Copa — Data Link



Run 3: Statistics of Copa

Start at: 2020-02-17 22:31:02

End at: 2020-02-17 22:31:32

Local clock offset: 2.803 ms

Remote clock offset: -3.381 ms

Below is generated by plot.py at 2020-02-17 23:48:12

Datalink statistics

-- Total of 1 flow:

Average throughput: 12.65 Mbit/s

95th percentile per-packet one-way delay: 33.213 ms

Loss rate: 73.33%

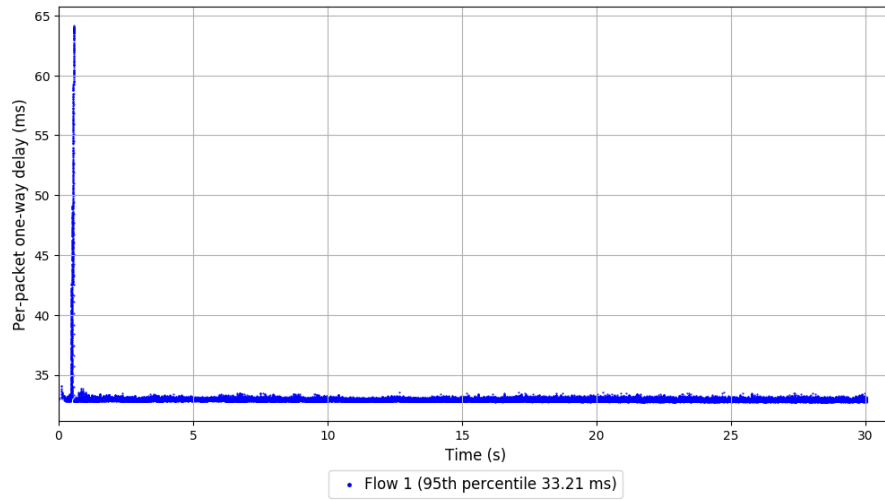
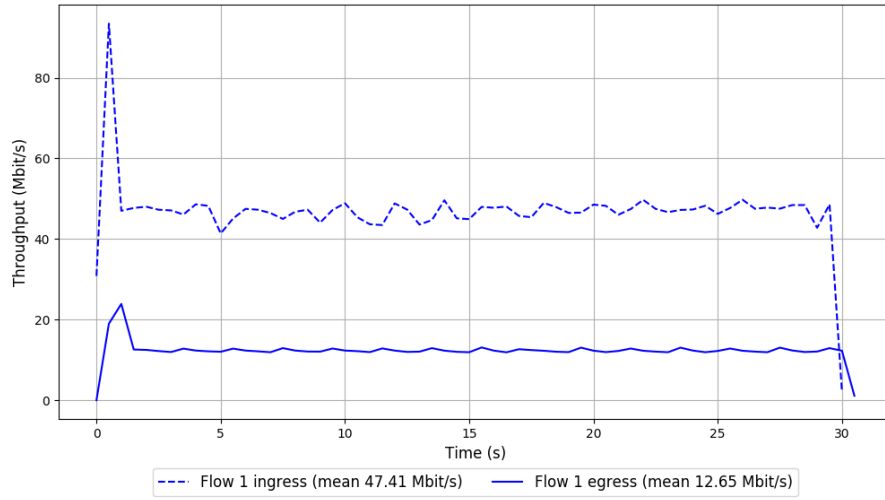
-- Flow 1:

Average throughput: 12.65 Mbit/s

95th percentile per-packet one-way delay: 33.213 ms

Loss rate: 73.33%

Run 3: Report of Copa — Data Link

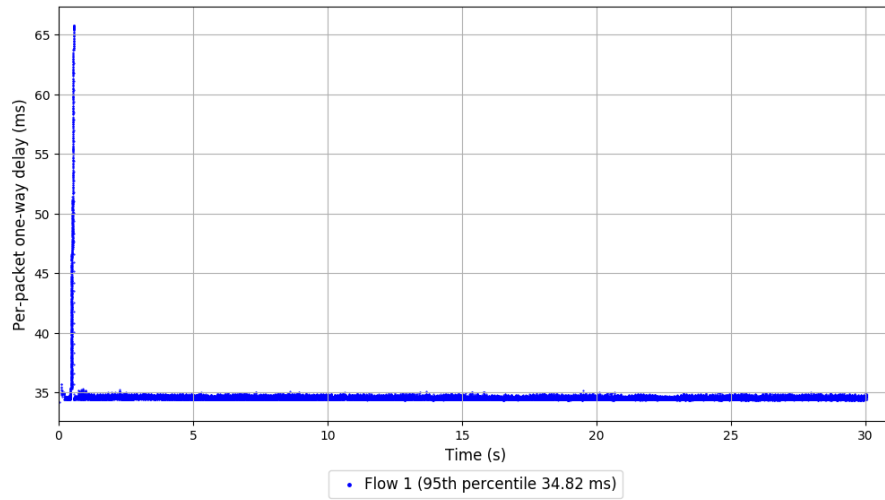
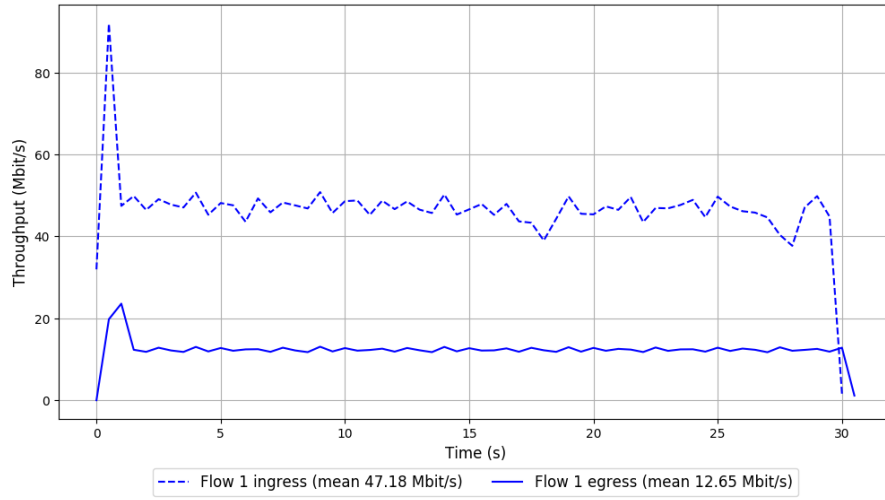


Run 4: Statistics of Copa

Start at: 2020-02-17 22:58:16
End at: 2020-02-17 22:58:46
Local clock offset: 1.382 ms
Remote clock offset: -2.593 ms

```
# Below is generated by plot.py at 2020-02-17 23:48:12
# Datalink statistics
-- Total of 1 flow:
Average throughput: 12.65 Mbit/s
95th percentile per-packet one-way delay: 34.824 ms
Loss rate: 73.19%
-- Flow 1:
Average throughput: 12.65 Mbit/s
95th percentile per-packet one-way delay: 34.824 ms
Loss rate: 73.19%
```

Run 4: Report of Copa — Data Link



Run 5: Statistics of Copa

Start at: 2020-02-17 23:25:28

End at: 2020-02-17 23:25:58

Local clock offset: 6.417 ms

Remote clock offset: -3.472 ms

Below is generated by plot.py at 2020-02-17 23:48:12

Datalink statistics

-- Total of 1 flow:

Average throughput: 12.65 Mbit/s

95th percentile per-packet one-way delay: 29.124 ms

Loss rate: 70.85%

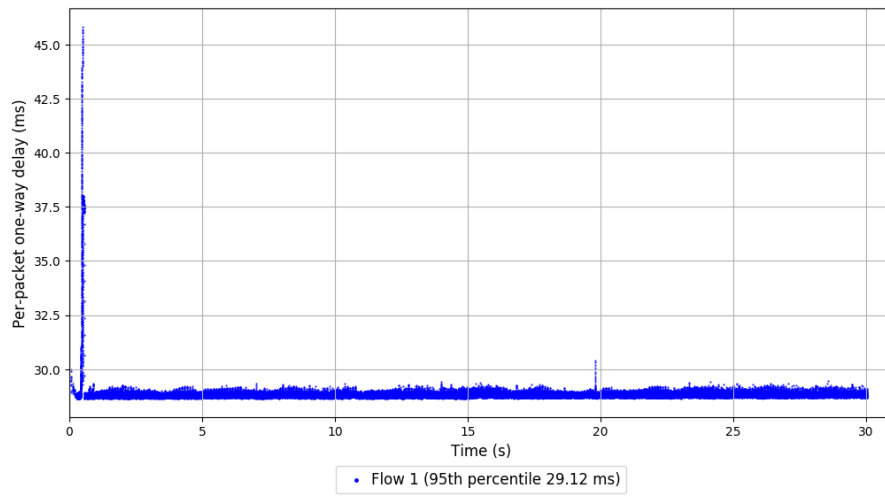
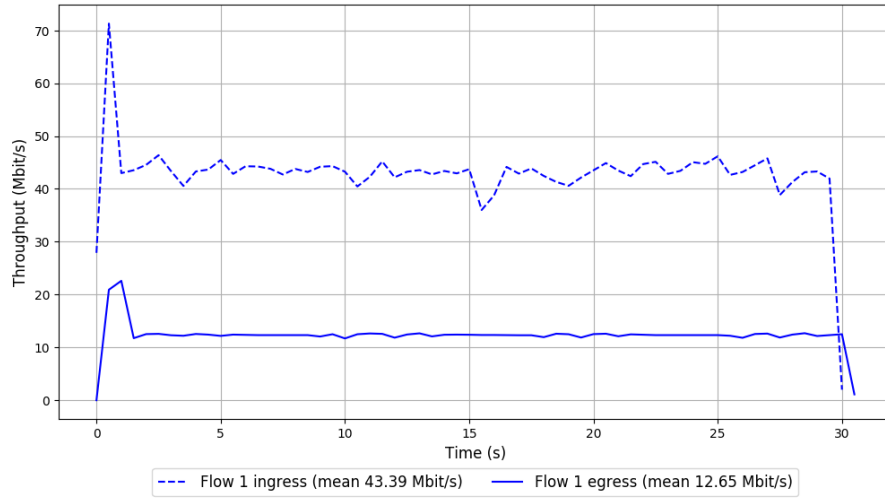
-- Flow 1:

Average throughput: 12.65 Mbit/s

95th percentile per-packet one-way delay: 29.124 ms

Loss rate: 70.85%

Run 5: Report of Copa — Data Link



Run 1: Statistics of TCP Cubic

Start at: 2020-02-17 21:42:06

End at: 2020-02-17 21:42:36

Local clock offset: 6.927 ms

Remote clock offset: -2.82 ms

Below is generated by plot.py at 2020-02-17 23:48:30

Datalink statistics

-- Total of 1 flow:

Average throughput: 96.67 Mbit/s

95th percentile per-packet one-way delay: 63.072 ms

Loss rate: 0.47%

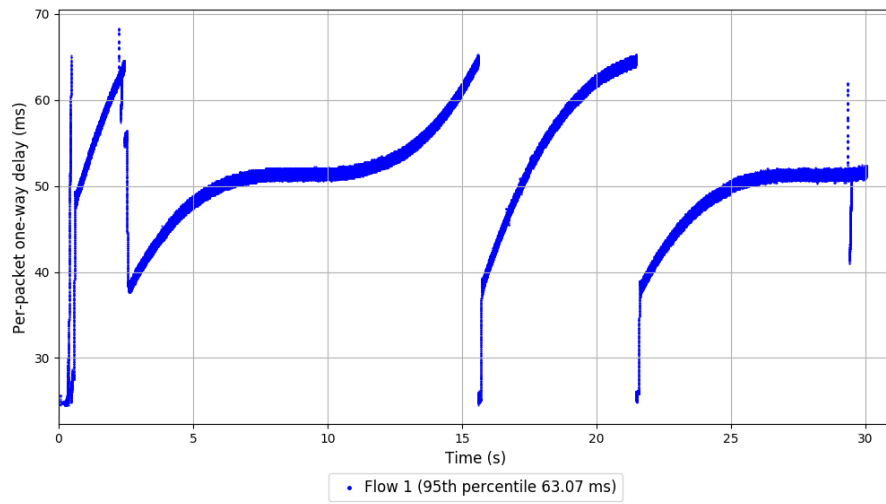
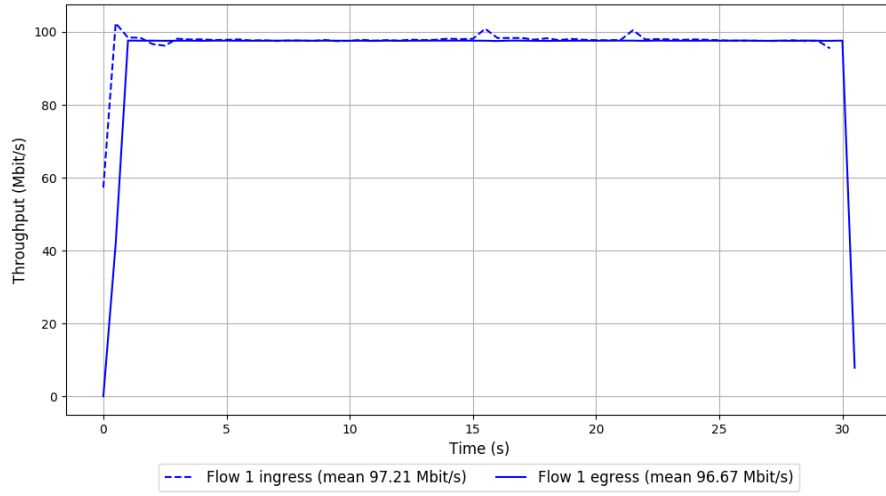
-- Flow 1:

Average throughput: 96.67 Mbit/s

95th percentile per-packet one-way delay: 63.072 ms

Loss rate: 0.47%

Run 1: Report of TCP Cubic — Data Link



Run 2: Statistics of TCP Cubic

Start at: 2020-02-17 22:09:27

End at: 2020-02-17 22:09:57

Local clock offset: 1.54 ms

Remote clock offset: -3.391 ms

Below is generated by plot.py at 2020-02-17 23:48:40

Datalink statistics

-- Total of 1 flow:

Average throughput: 96.59 Mbit/s

95th percentile per-packet one-way delay: 70.673 ms

Loss rate: 0.48%

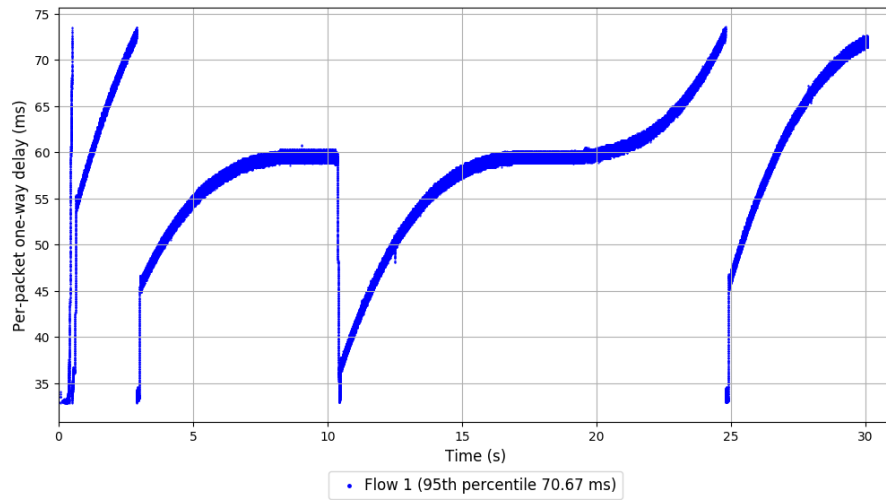
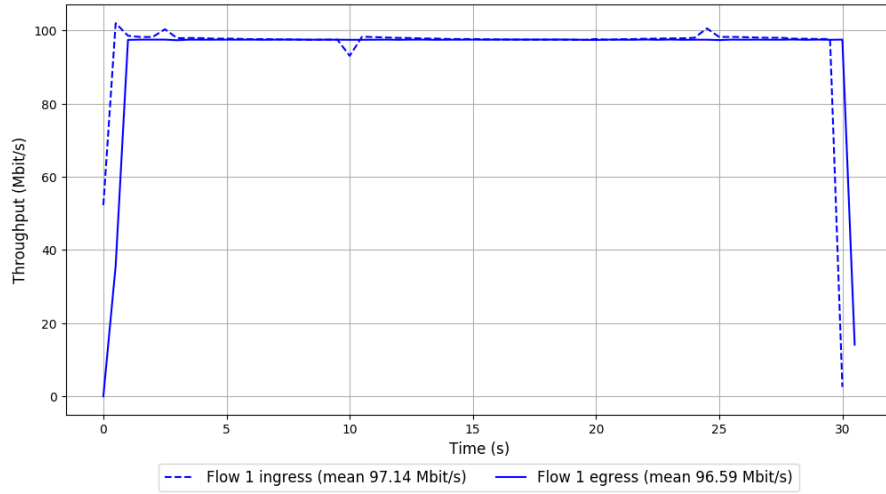
-- Flow 1:

Average throughput: 96.59 Mbit/s

95th percentile per-packet one-way delay: 70.673 ms

Loss rate: 0.48%

Run 2: Report of TCP Cubic — Data Link



Run 3: Statistics of TCP Cubic

Start at: 2020-02-17 22:36:41

End at: 2020-02-17 22:37:11

Local clock offset: 6.096 ms

Remote clock offset: -3.013 ms

Below is generated by plot.py at 2020-02-17 23:48:41

Datalink statistics

-- Total of 1 flow:

Average throughput: 96.46 Mbit/s

95th percentile per-packet one-way delay: 61.626 ms

Loss rate: 0.36%

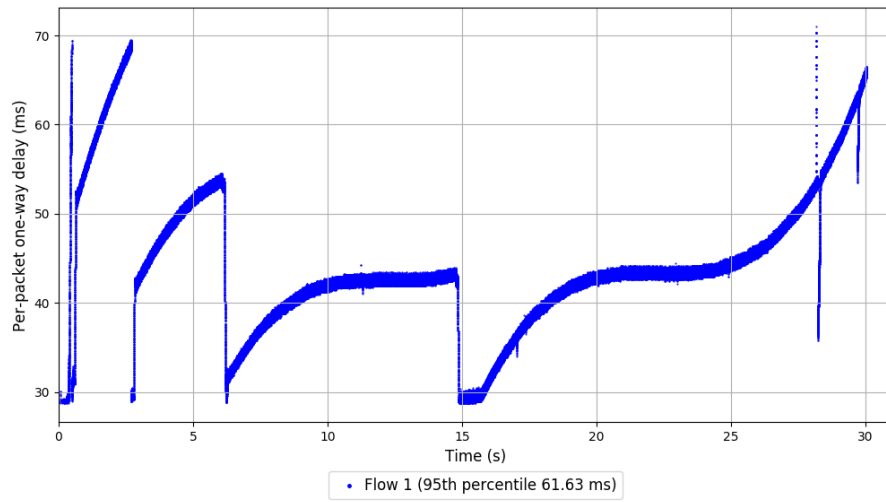
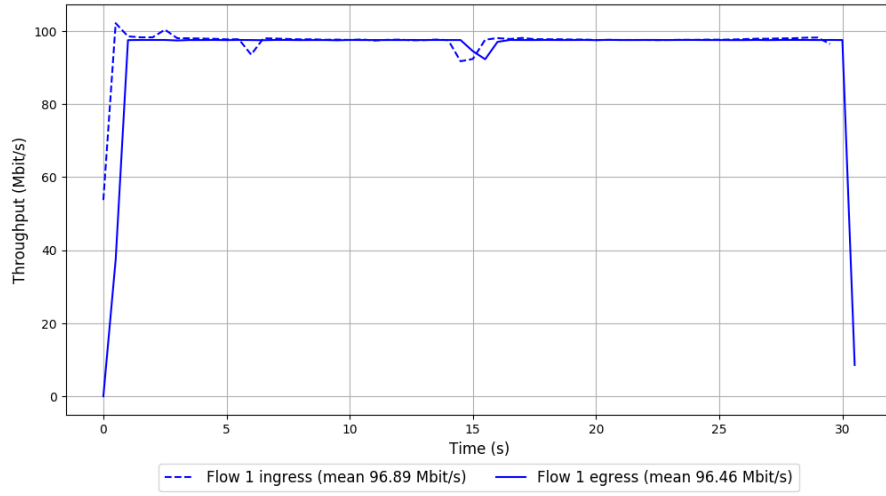
-- Flow 1:

Average throughput: 96.46 Mbit/s

95th percentile per-packet one-way delay: 61.626 ms

Loss rate: 0.36%

Run 3: Report of TCP Cubic — Data Link

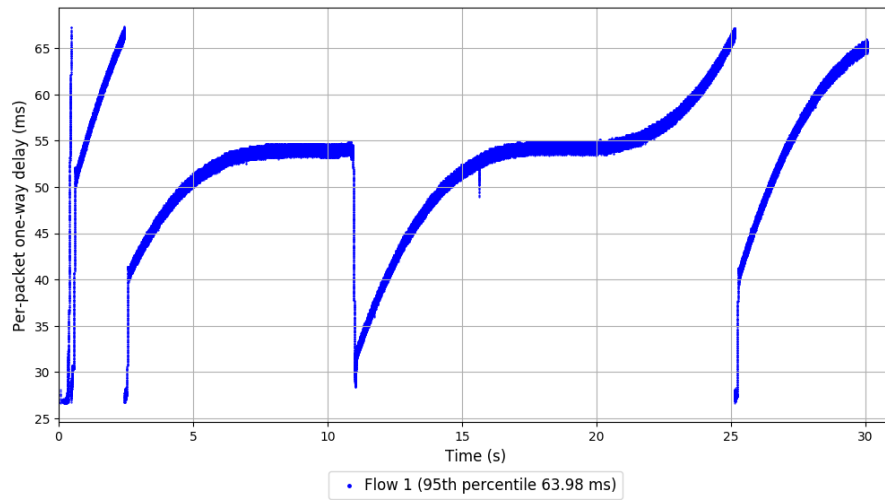
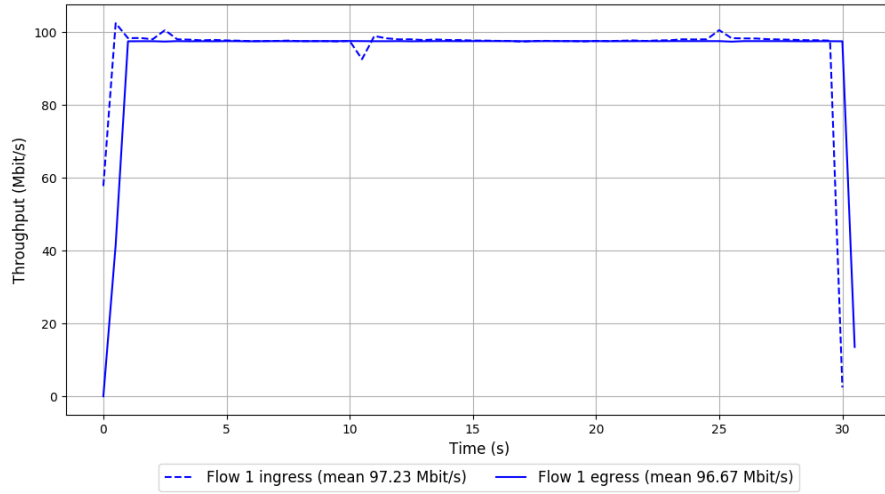


Run 4: Statistics of TCP Cubic

Start at: 2020-02-17 23:03:53
End at: 2020-02-17 23:04:23
Local clock offset: 6.088 ms
Remote clock offset: -2.779 ms

Below is generated by plot.py at 2020-02-17 23:49:16
Datalink statistics
-- Total of 1 flow:
Average throughput: 96.67 Mbit/s
95th percentile per-packet one-way delay: 63.975 ms
Loss rate: 0.47%
-- Flow 1:
Average throughput: 96.67 Mbit/s
95th percentile per-packet one-way delay: 63.975 ms
Loss rate: 0.47%

Run 4: Report of TCP Cubic — Data Link



Run 5: Statistics of TCP Cubic

Start at: 2020-02-17 23:31:06

End at: 2020-02-17 23:31:36

Local clock offset: 5.245 ms

Remote clock offset: -3.297 ms

Below is generated by plot.py at 2020-02-17 23:49:17

Datalink statistics

-- Total of 1 flow:

Average throughput: 96.65 Mbit/s

95th percentile per-packet one-way delay: 66.959 ms

Loss rate: 0.57%

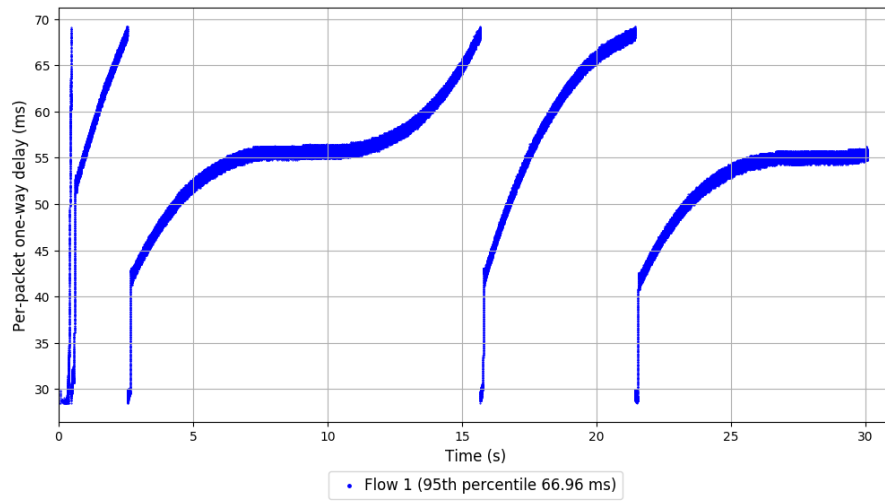
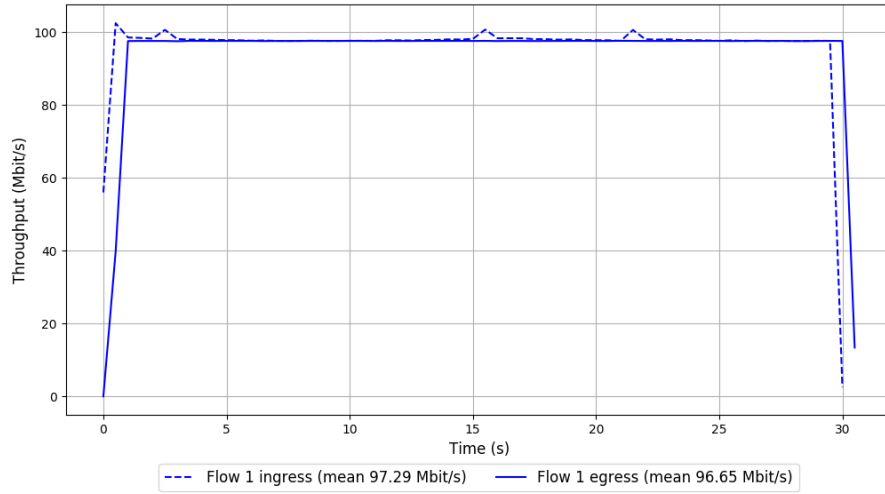
-- Flow 1:

Average throughput: 96.65 Mbit/s

95th percentile per-packet one-way delay: 66.959 ms

Loss rate: 0.57%

Run 5: Report of TCP Cubic — Data Link



Run 1: Statistics of FillP

Start at: 2020-02-17 21:45:29

End at: 2020-02-17 21:45:59

Local clock offset: 6.204 ms

Remote clock offset: -0.813 ms

Below is generated by plot.py at 2020-02-17 23:49:29

Datalink statistics

-- Total of 1 flow:

Average throughput: 95.92 Mbit/s

95th percentile per-packet one-way delay: 39.612 ms

Loss rate: 0.59%

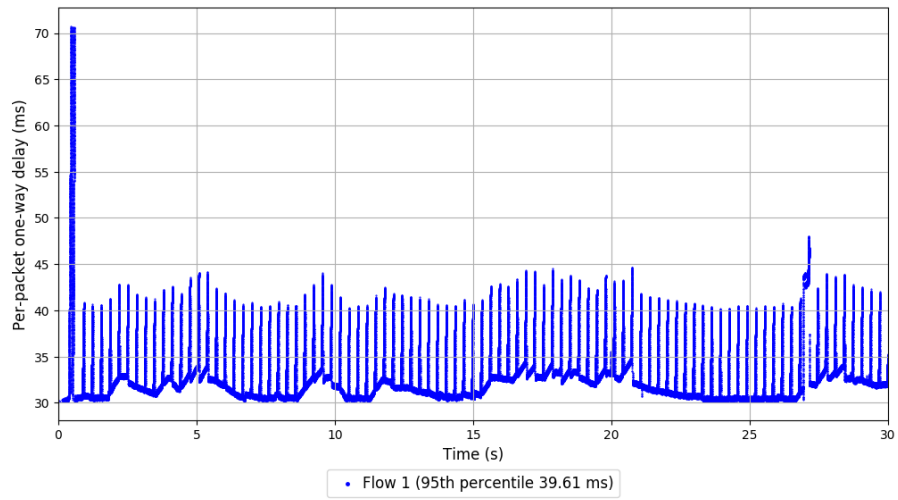
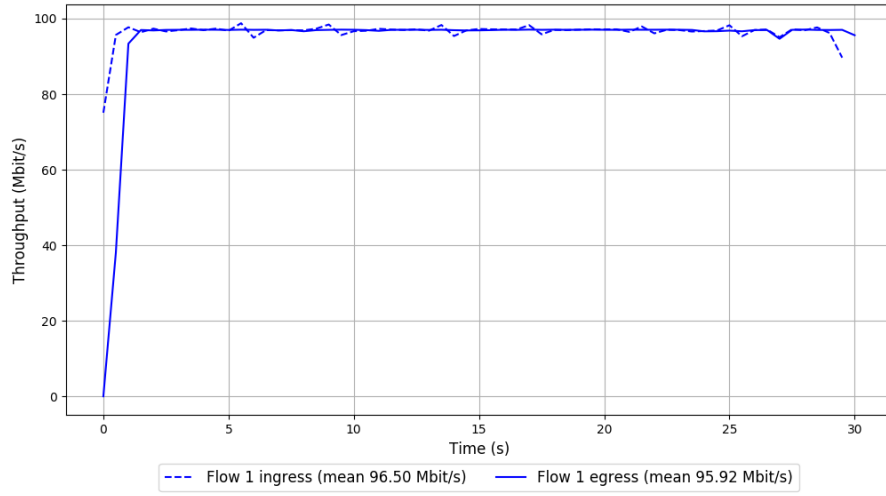
-- Flow 1:

Average throughput: 95.92 Mbit/s

95th percentile per-packet one-way delay: 39.612 ms

Loss rate: 0.59%

Run 1: Report of FillP — Data Link

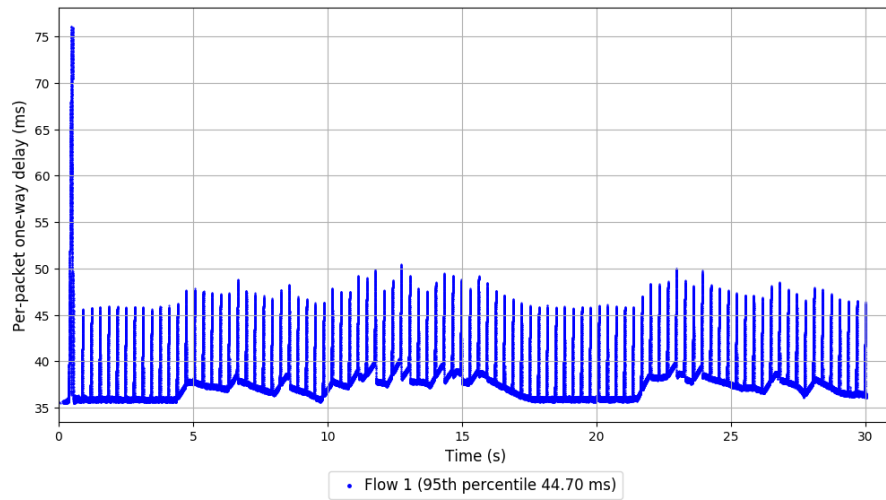
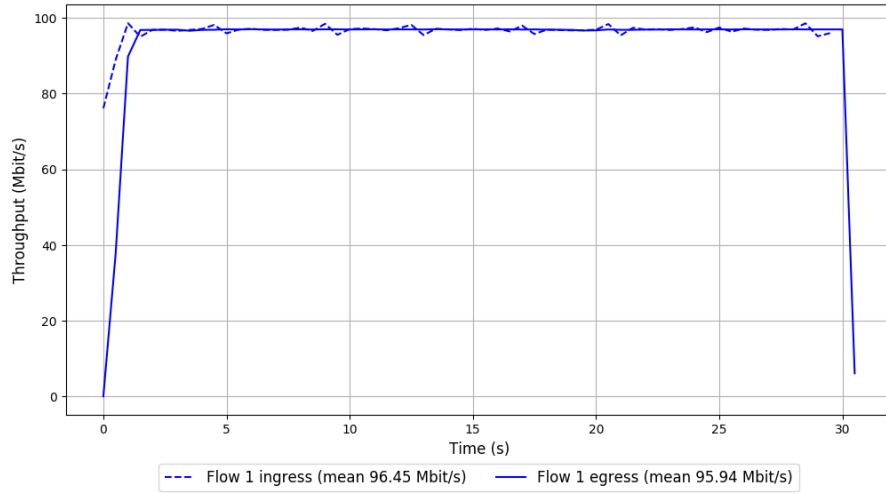


Run 2: Statistics of FillP

Start at: 2020-02-17 22:12:50
End at: 2020-02-17 22:13:20
Local clock offset: 0.963 ms
Remote clock offset: -0.518 ms

Below is generated by plot.py at 2020-02-17 23:49:30
Datalink statistics
-- Total of 1 flow:
Average throughput: 95.94 Mbit/s
95th percentile per-packet one-way delay: 44.703 ms
Loss rate: 0.53%
-- Flow 1:
Average throughput: 95.94 Mbit/s
95th percentile per-packet one-way delay: 44.703 ms
Loss rate: 0.53%

Run 2: Report of FillP — Data Link



Run 3: Statistics of FillP

Start at: 2020-02-17 22:40:04

End at: 2020-02-17 22:40:34

Local clock offset: 1.53 ms

Remote clock offset: -2.738 ms

Below is generated by plot.py at 2020-02-17 23:49:31

Datalink statistics

-- Total of 1 flow:

Average throughput: 96.06 Mbit/s

95th percentile per-packet one-way delay: 40.894 ms

Loss rate: 0.54%

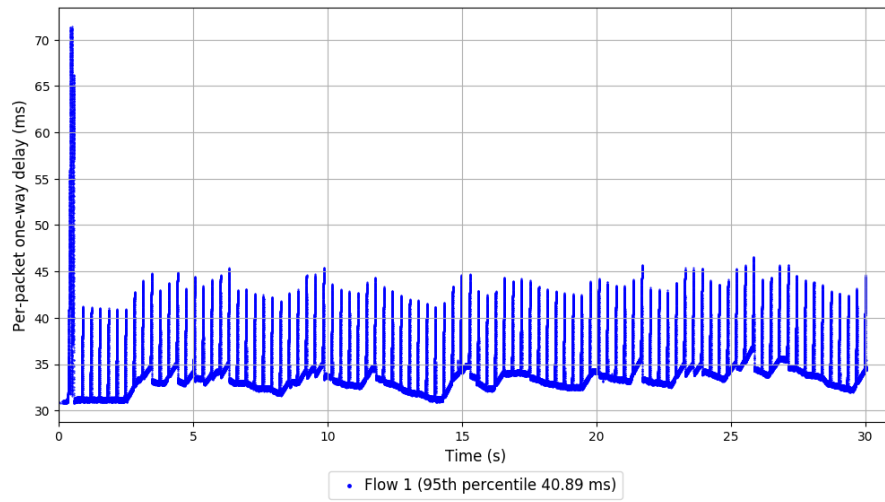
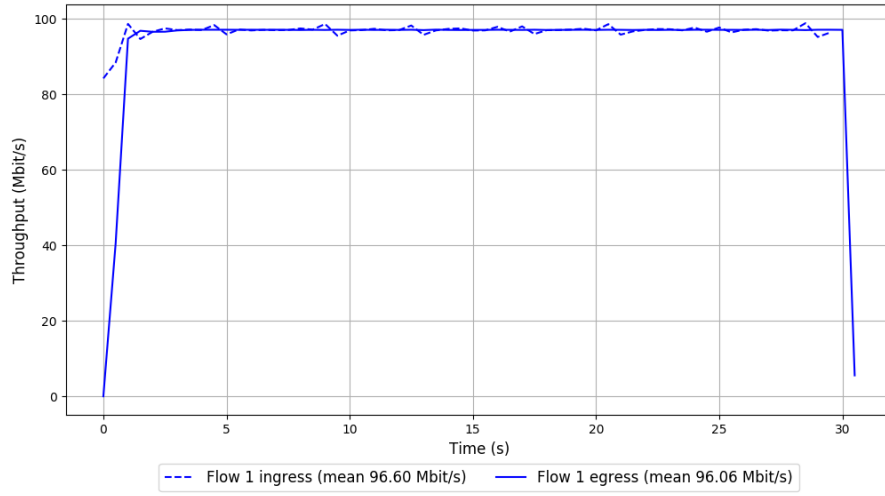
-- Flow 1:

Average throughput: 96.06 Mbit/s

95th percentile per-packet one-way delay: 40.894 ms

Loss rate: 0.54%

Run 3: Report of FillP — Data Link

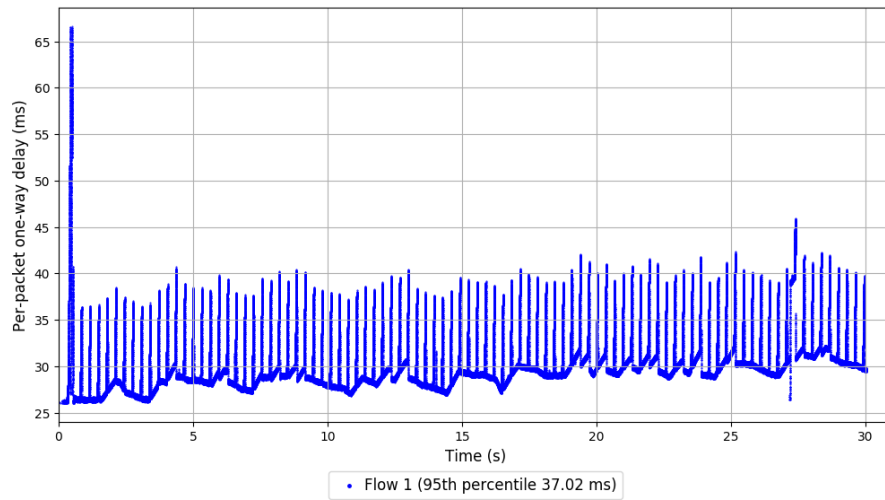
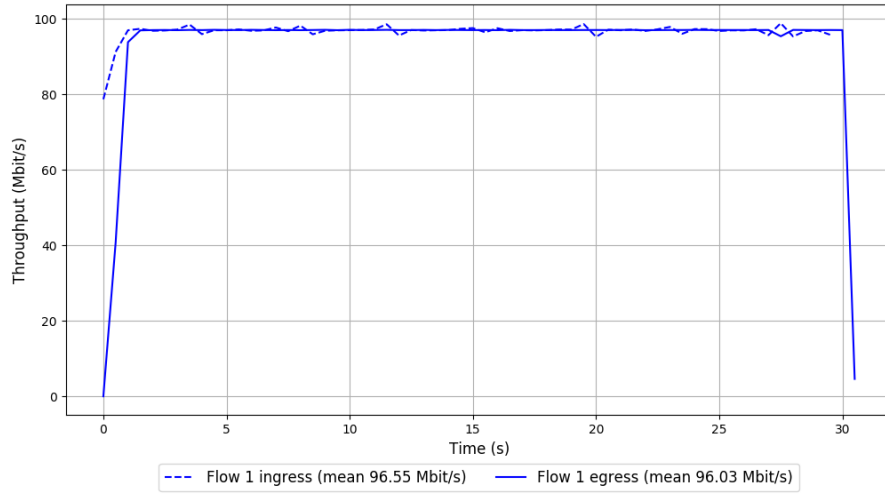


Run 4: Statistics of FillP

Start at: 2020-02-17 23:07:17
End at: 2020-02-17 23:07:47
Local clock offset: 6.343 ms
Remote clock offset: -2.919 ms

Below is generated by plot.py at 2020-02-17 23:49:50
Datalink statistics
-- Total of 1 flow:
Average throughput: 96.03 Mbit/s
95th percentile per-packet one-way delay: 37.024 ms
Loss rate: 0.52%
-- Flow 1:
Average throughput: 96.03 Mbit/s
95th percentile per-packet one-way delay: 37.024 ms
Loss rate: 0.52%

Run 4: Report of FillP — Data Link

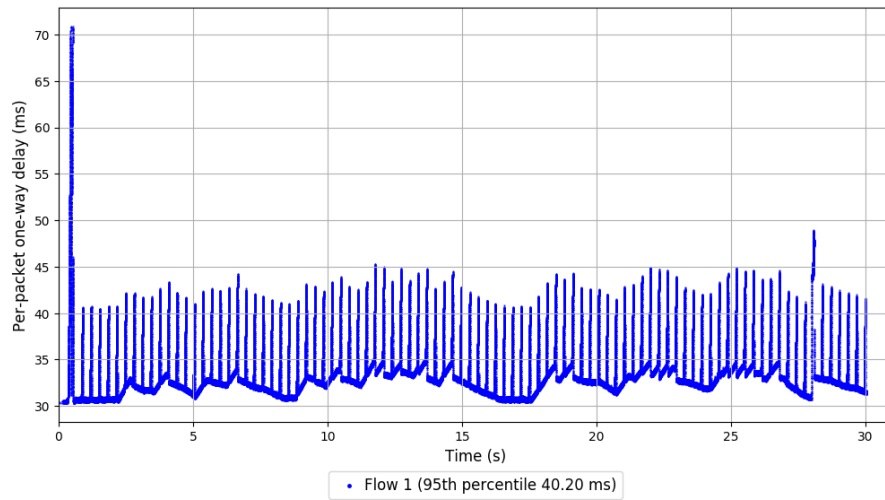
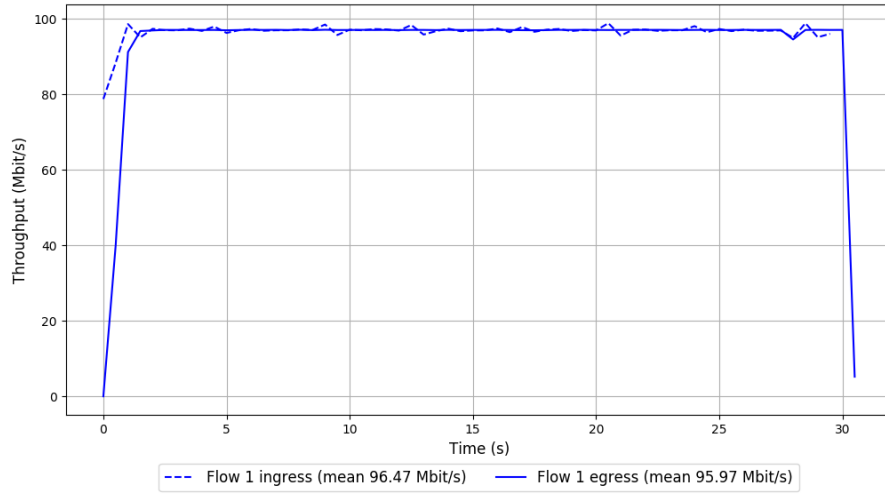


Run 5: Statistics of FillP

Start at: 2020-02-17 23:34:30
End at: 2020-02-17 23:35:00
Local clock offset: 0.797 ms
Remote clock offset: -5.552 ms

```
# Below is generated by plot.py at 2020-02-17 23:50:01
# Datalink statistics
-- Total of 1 flow:
Average throughput: 95.97 Mbit/s
95th percentile per-packet one-way delay: 40.203 ms
Loss rate: 0.52%
-- Flow 1:
Average throughput: 95.97 Mbit/s
95th percentile per-packet one-way delay: 40.203 ms
Loss rate: 0.52%
```

Run 5: Report of FillP — Data Link



Run 1: Statistics of FillP-Sheep

Start at: 2020-02-17 21:37:34

End at: 2020-02-17 21:38:04

Local clock offset: 6.289 ms

Remote clock offset: 0.116 ms

Below is generated by plot.py at 2020-02-17 23:50:01

Datalink statistics

-- Total of 1 flow:

Average throughput: 93.38 Mbit/s

95th percentile per-packet one-way delay: 32.710 ms

Loss rate: 0.41%

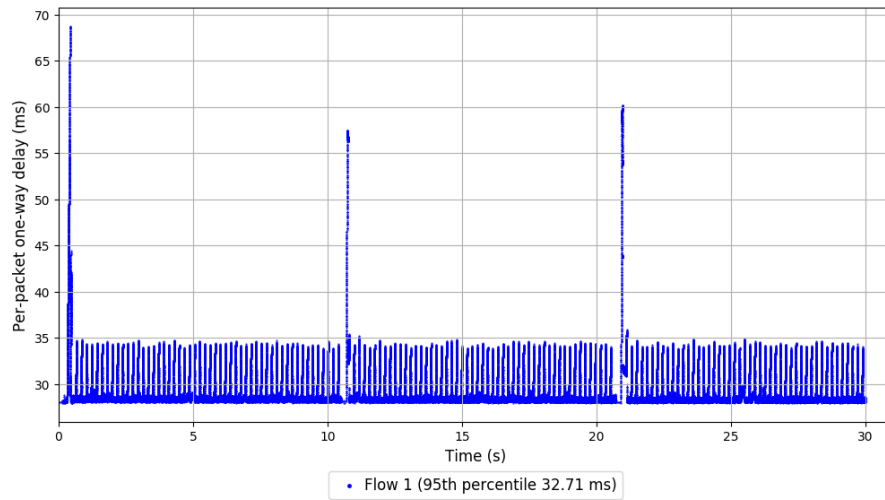
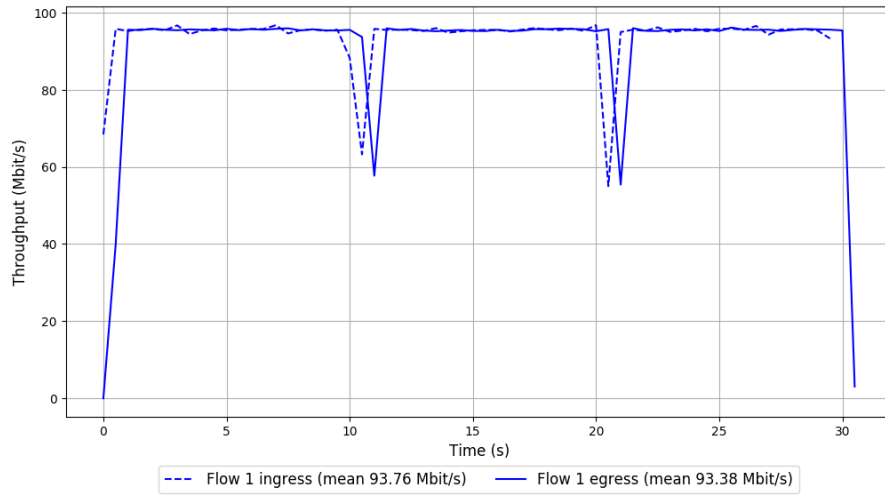
-- Flow 1:

Average throughput: 93.38 Mbit/s

95th percentile per-packet one-way delay: 32.710 ms

Loss rate: 0.41%

Run 1: Report of FillP-Sheep — Data Link



Run 2: Statistics of FillP-Sheep

Start at: 2020-02-17 22:04:54

End at: 2020-02-17 22:05:24

Local clock offset: 1.46 ms

Remote clock offset: -0.864 ms

Below is generated by plot.py at 2020-02-17 23:50:33

Datalink statistics

-- Total of 1 flow:

Average throughput: 93.22 Mbit/s

95th percentile per-packet one-way delay: 40.043 ms

Loss rate: 0.43%

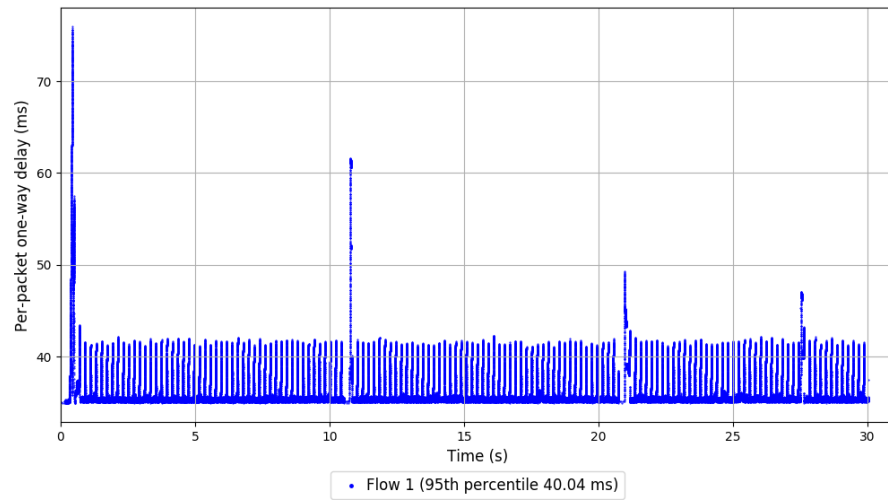
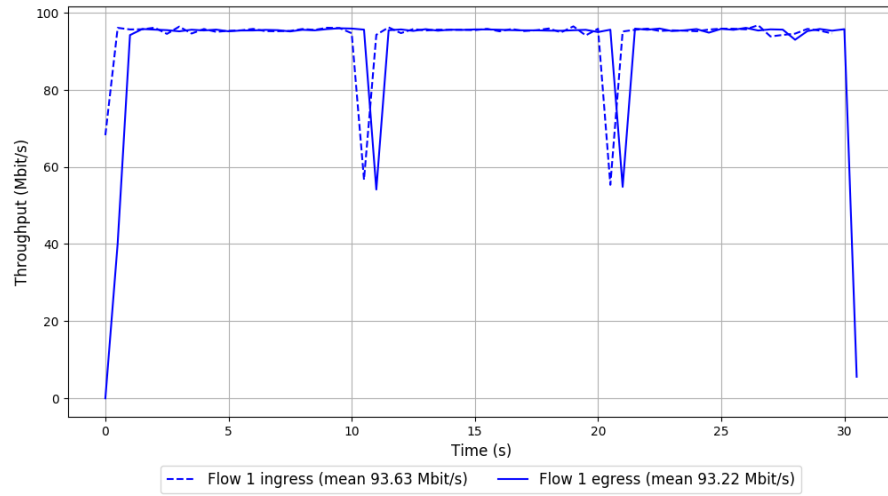
-- Flow 1:

Average throughput: 93.22 Mbit/s

95th percentile per-packet one-way delay: 40.043 ms

Loss rate: 0.43%

Run 2: Report of FillP-Sheep — Data Link



Run 3: Statistics of FillP-Sheep

Start at: 2020-02-17 22:32:08

End at: 2020-02-17 22:32:39

Local clock offset: 1.838 ms

Remote clock offset: -1.402 ms

Below is generated by plot.py at 2020-02-17 23:50:34

Datalink statistics

-- Total of 1 flow:

Average throughput: 93.37 Mbit/s

95th percentile per-packet one-way delay: 38.019 ms

Loss rate: 0.41%

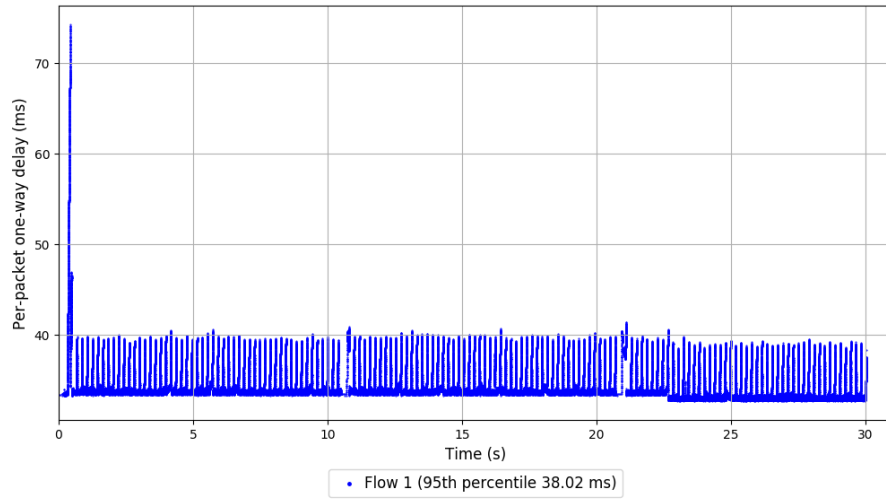
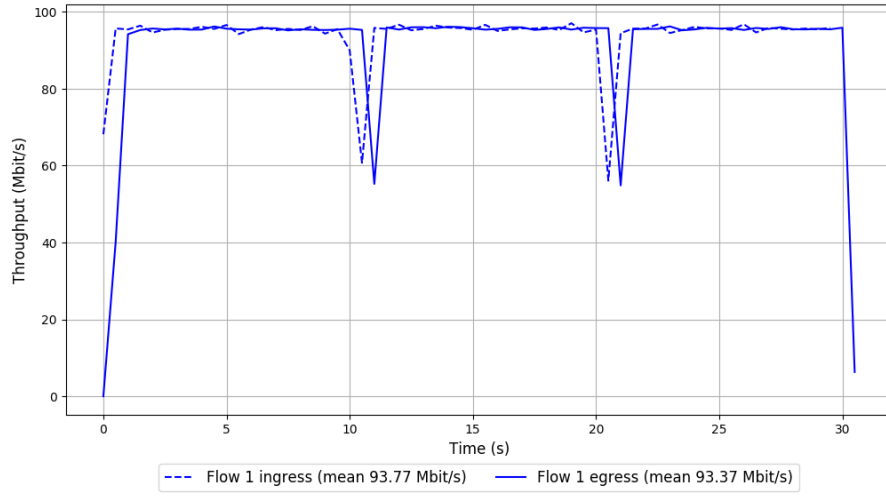
-- Flow 1:

Average throughput: 93.37 Mbit/s

95th percentile per-packet one-way delay: 38.019 ms

Loss rate: 0.41%

Run 3: Report of FillP-Sheep — Data Link



Run 4: Statistics of FillP-Sheep

Start at: 2020-02-17 22:59:22

End at: 2020-02-17 22:59:52

Local clock offset: 7.19 ms

Remote clock offset: -4.679 ms

Below is generated by plot.py at 2020-02-17 23:50:47

Datalink statistics

-- Total of 1 flow:

Average throughput: 93.23 Mbit/s

95th percentile per-packet one-way delay: 31.104 ms

Loss rate: 0.41%

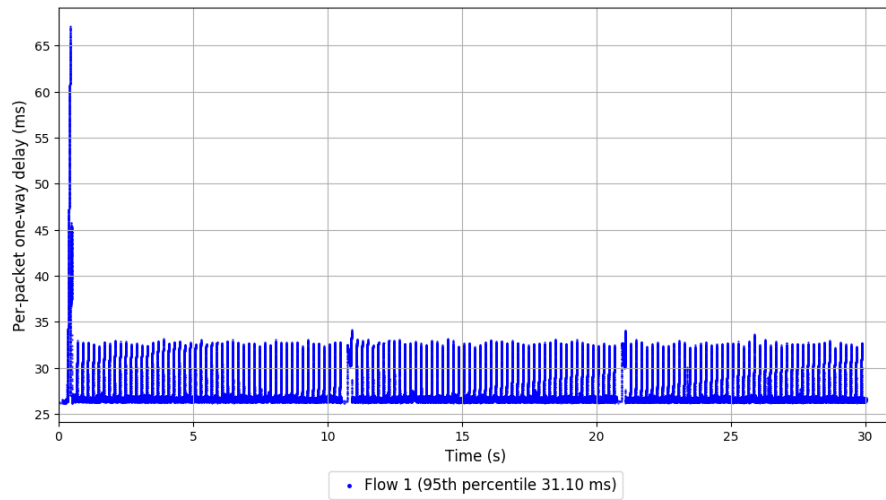
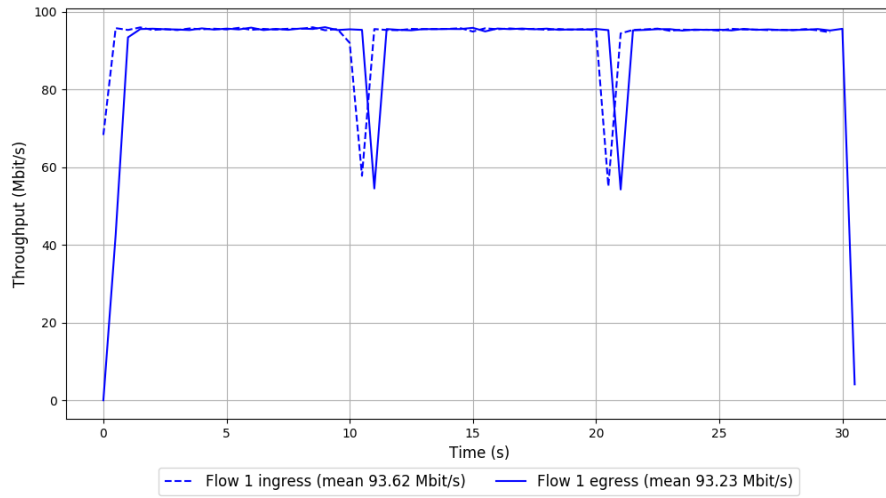
-- Flow 1:

Average throughput: 93.23 Mbit/s

95th percentile per-packet one-way delay: 31.104 ms

Loss rate: 0.41%

Run 4: Report of FillP-Sheep — Data Link



Run 5: Statistics of FillP-Sheep

Start at: 2020-02-17 23:26:35

End at: 2020-02-17 23:27:05

Local clock offset: 2.123 ms

Remote clock offset: -3.356 ms

Below is generated by plot.py at 2020-02-17 23:50:47

Datalink statistics

-- Total of 1 flow:

Average throughput: 93.07 Mbit/s

95th percentile per-packet one-way delay: 38.971 ms

Loss rate: 0.00%

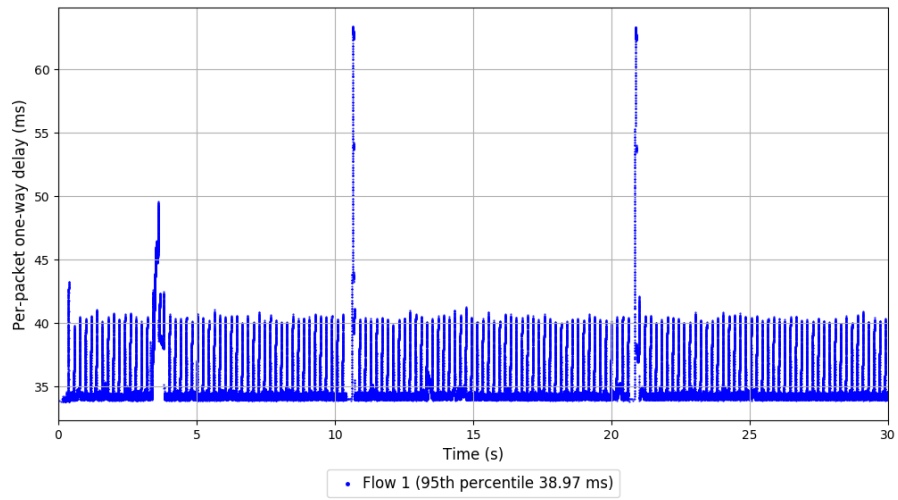
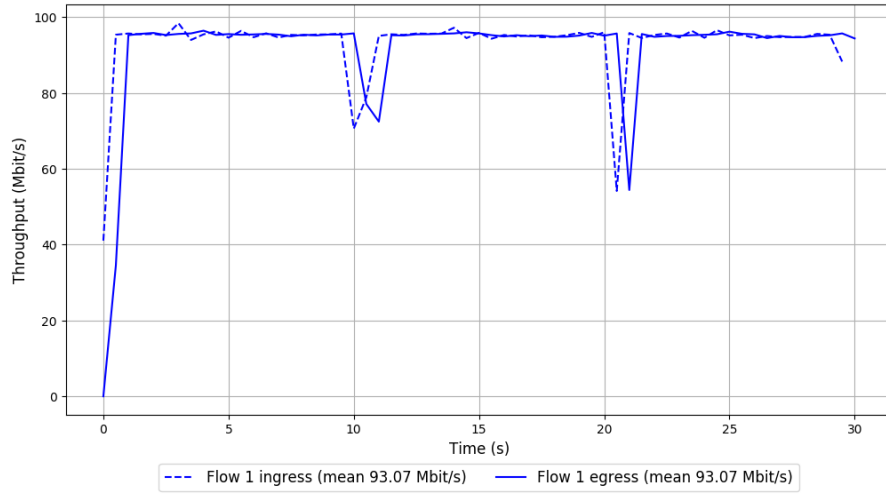
-- Flow 1:

Average throughput: 93.07 Mbit/s

95th percentile per-packet one-way delay: 38.971 ms

Loss rate: 0.00%

Run 5: Report of FillP-Sheep — Data Link



Run 1: Statistics of Indigo

Start at: 2020-02-17 21:34:09

End at: 2020-02-17 21:34:39

Local clock offset: 2.545 ms

Remote clock offset: -1.554 ms

Below is generated by plot.py at 2020-02-17 23:50:47

Datalink statistics

-- Total of 1 flow:

Average throughput: 95.59 Mbit/s

95th percentile per-packet one-way delay: 31.974 ms

Loss rate: 0.00%

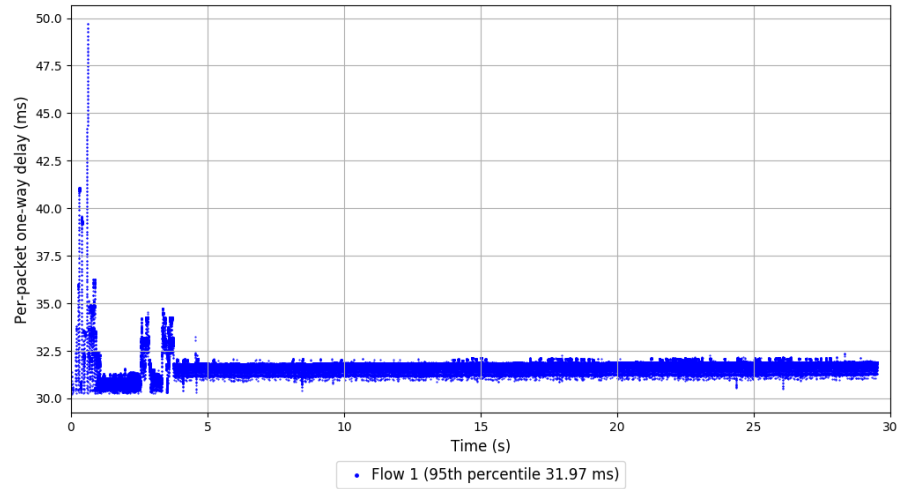
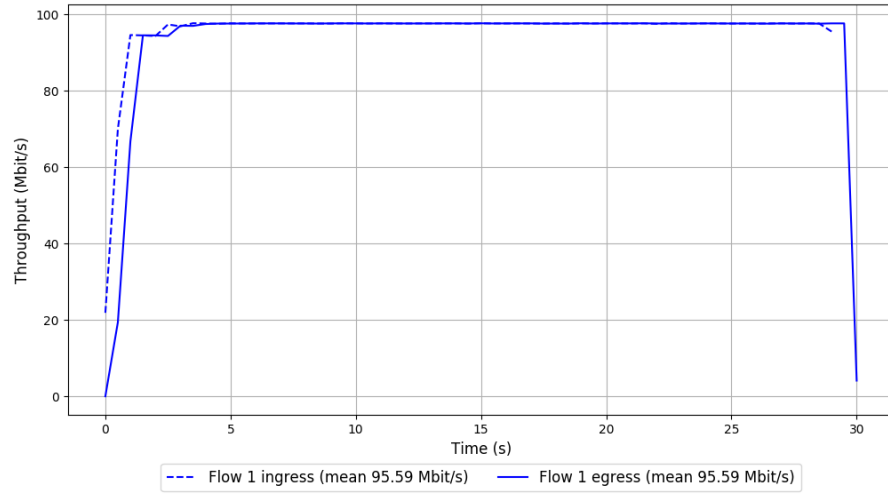
-- Flow 1:

Average throughput: 95.59 Mbit/s

95th percentile per-packet one-way delay: 31.974 ms

Loss rate: 0.00%

Run 1: Report of Indigo — Data Link



Run 2: Statistics of Indigo

Start at: 2020-02-17 22:01:28

End at: 2020-02-17 22:01:58

Local clock offset: 7.2 ms

Remote clock offset: -1.689 ms

Below is generated by plot.py at 2020-02-17 23:50:58

Datalink statistics

-- Total of 1 flow:

Average throughput: 96.07 Mbit/s

95th percentile per-packet one-way delay: 29.591 ms

Loss rate: 0.01%

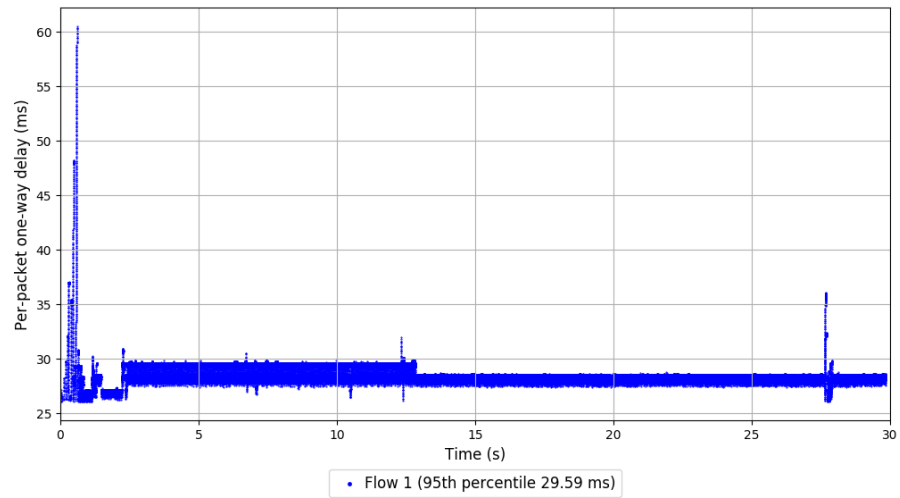
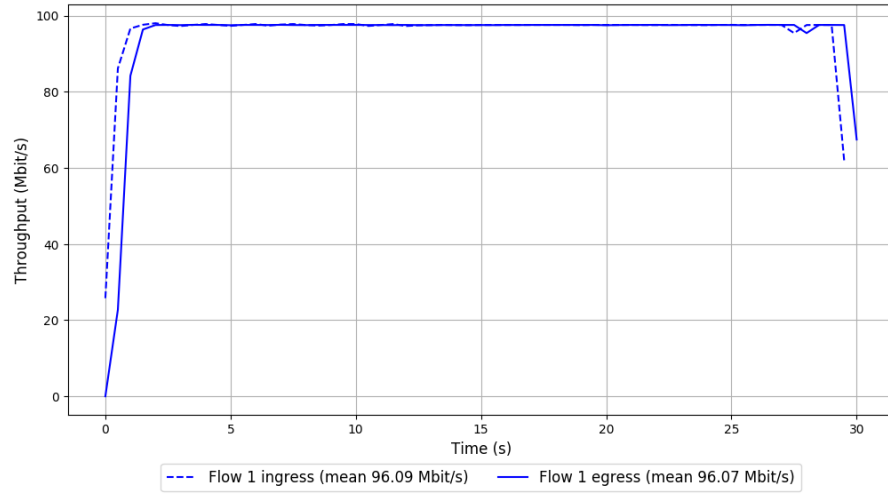
-- Flow 1:

Average throughput: 96.07 Mbit/s

95th percentile per-packet one-way delay: 29.591 ms

Loss rate: 0.01%

Run 2: Report of Indigo — Data Link



Run 3: Statistics of Indigo

Start at: 2020-02-17 22:28:44

End at: 2020-02-17 22:29:14

Local clock offset: 3.868 ms

Remote clock offset: -3.274 ms

Below is generated by plot.py at 2020-02-17 23:51:07

Datalink statistics

-- Total of 1 flow:

Average throughput: 95.41 Mbit/s

95th percentile per-packet one-way delay: 34.028 ms

Loss rate: 0.00%

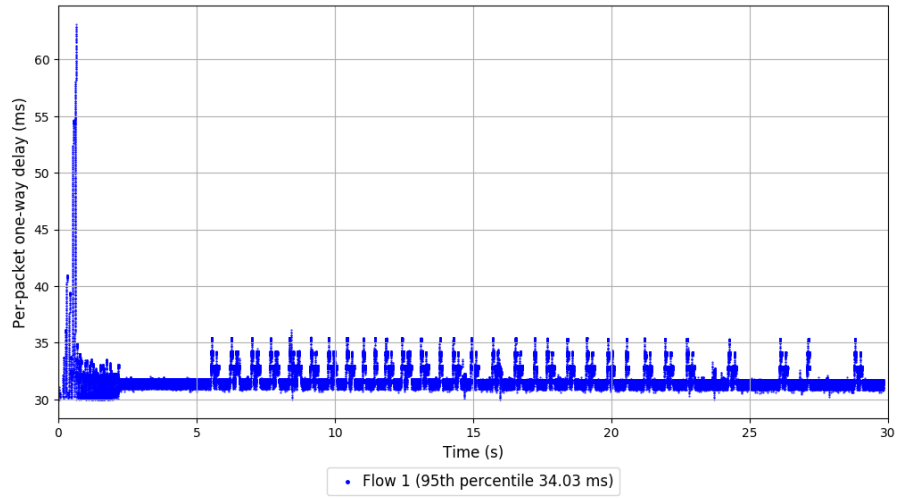
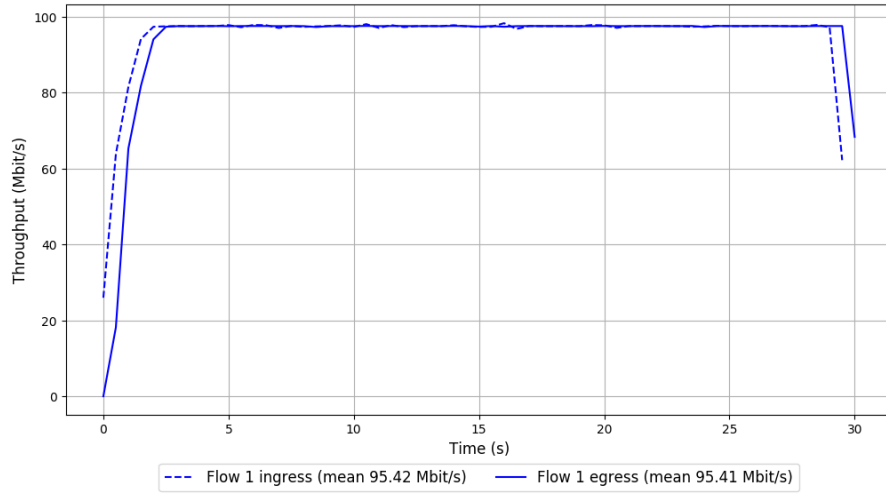
-- Flow 1:

Average throughput: 95.41 Mbit/s

95th percentile per-packet one-way delay: 34.028 ms

Loss rate: 0.00%

Run 3: Report of Indigo — Data Link



Run 4: Statistics of Indigo

Start at: 2020-02-17 22:55:58

End at: 2020-02-17 22:56:28

Local clock offset: 1.367 ms

Remote clock offset: -2.897 ms

Below is generated by plot.py at 2020-02-17 23:51:08

Datalink statistics

-- Total of 1 flow:

Average throughput: 93.50 Mbit/s

95th percentile per-packet one-way delay: 33.467 ms

Loss rate: 0.01%

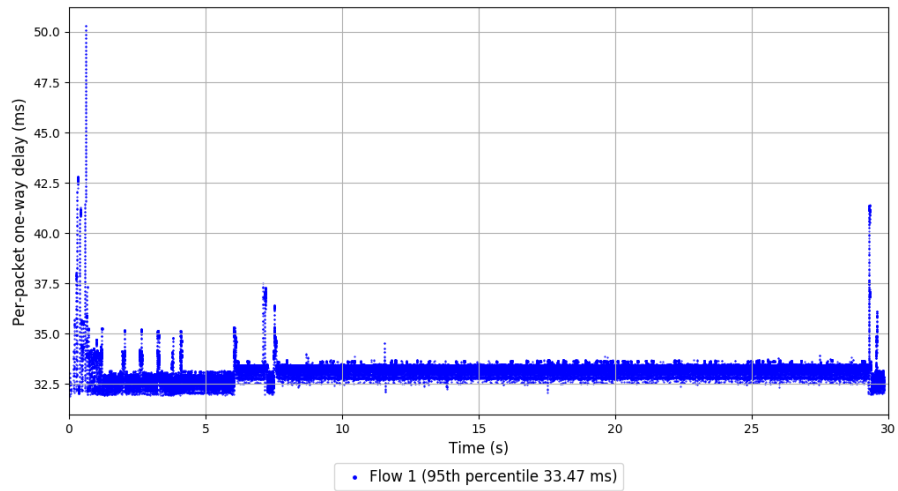
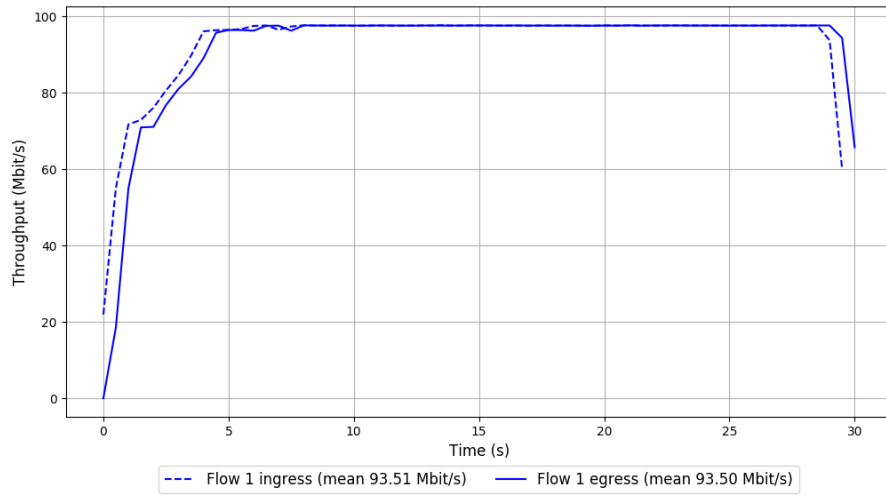
-- Flow 1:

Average throughput: 93.50 Mbit/s

95th percentile per-packet one-way delay: 33.467 ms

Loss rate: 0.01%

Run 4: Report of Indigo — Data Link



Run 5: Statistics of Indigo

Start at: 2020-02-17 23:23:11

End at: 2020-02-17 23:23:41

Local clock offset: 6.43 ms

Remote clock offset: -1.483 ms

Below is generated by plot.py at 2020-02-17 23:51:39

Datalink statistics

-- Total of 1 flow:

Average throughput: 95.49 Mbit/s

95th percentile per-packet one-way delay: 29.995 ms

Loss rate: 0.00%

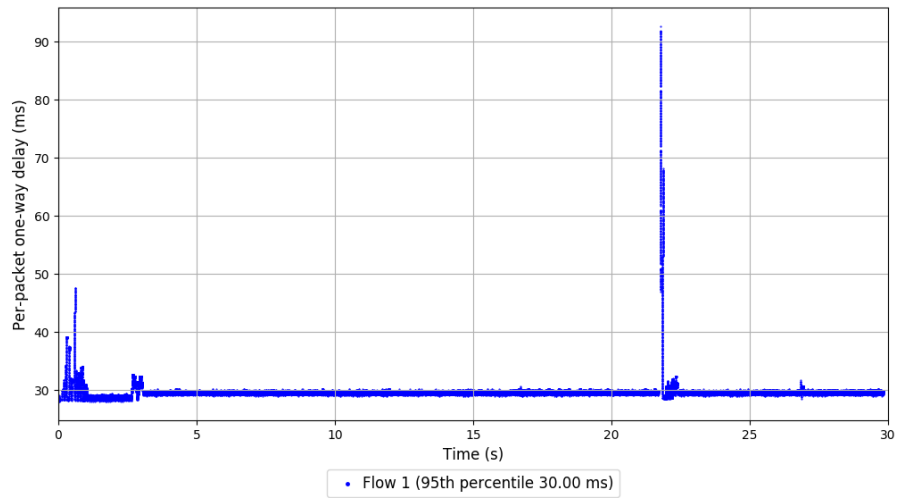
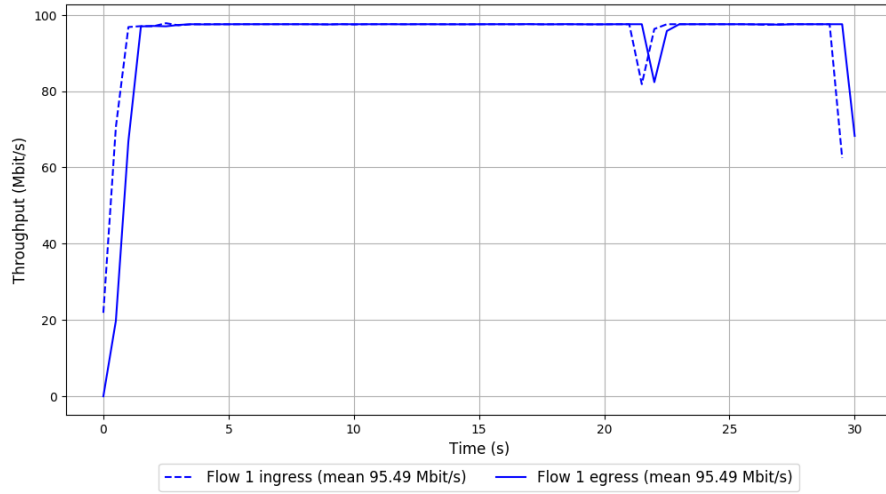
-- Flow 1:

Average throughput: 95.49 Mbit/s

95th percentile per-packet one-way delay: 29.995 ms

Loss rate: 0.00%

Run 5: Report of Indigo — Data Link



Run 1: Statistics of Indigo-MusesC3

Start at: 2020-02-17 21:55:46

End at: 2020-02-17 21:56:16

Local clock offset: 6.798 ms

Remote clock offset: 1.18 ms

Below is generated by plot.py at 2020-02-17 23:51:40

Datalink statistics

-- Total of 1 flow:

Average throughput: 96.50 Mbit/s

95th percentile per-packet one-way delay: 34.868 ms

Loss rate: 0.02%

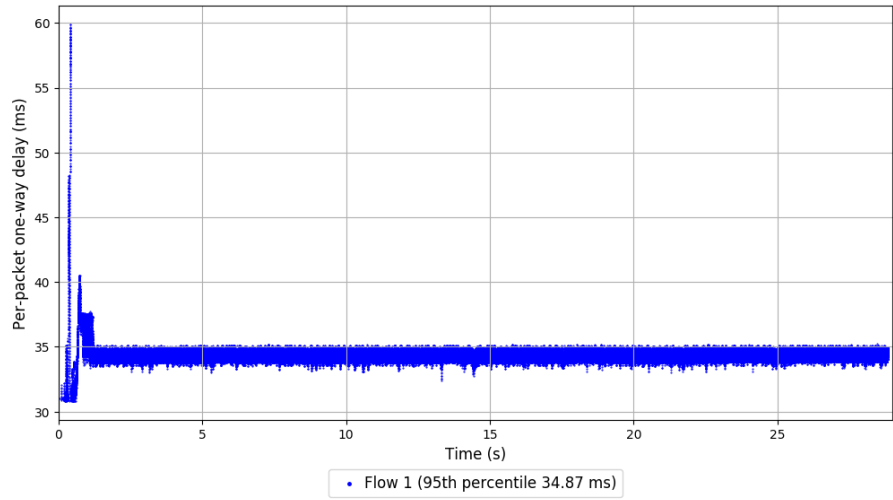
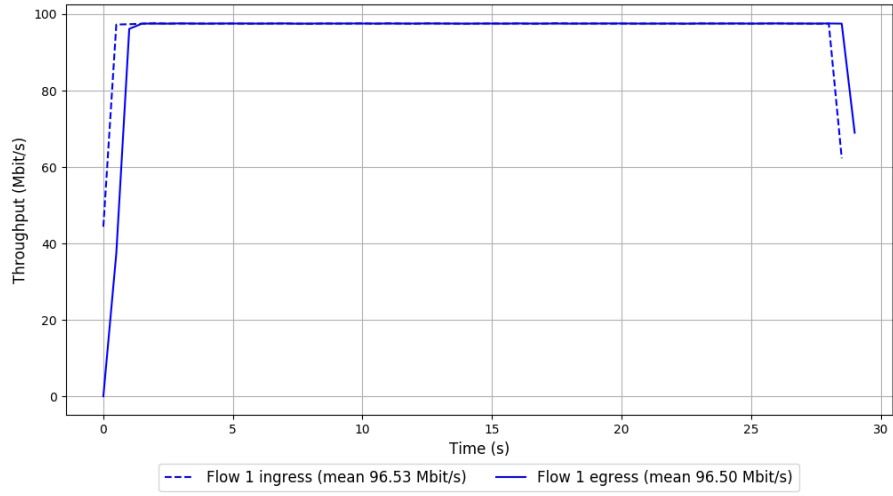
-- Flow 1:

Average throughput: 96.50 Mbit/s

95th percentile per-packet one-way delay: 34.868 ms

Loss rate: 0.02%

Run 1: Report of Indigo-MusesC3 — Data Link



Run 2: Statistics of Indigo-MusesC3

Start at: 2020-02-17 22:23:07

End at: 2020-02-17 22:23:37

Local clock offset: 7.58 ms

Remote clock offset: -2.648 ms

Below is generated by plot.py at 2020-02-17 23:51:42

Datalink statistics

-- Total of 1 flow:

Average throughput: 96.31 Mbit/s

95th percentile per-packet one-way delay: 34.710 ms

Loss rate: 0.22%

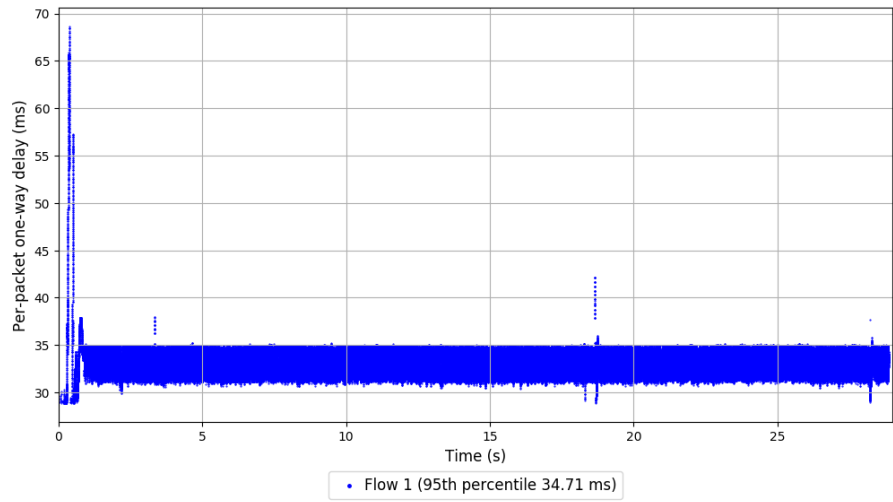
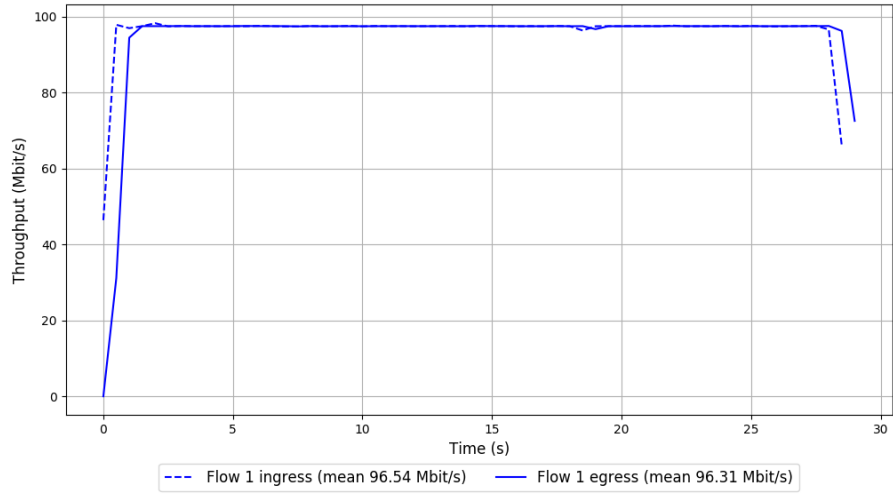
-- Flow 1:

Average throughput: 96.31 Mbit/s

95th percentile per-packet one-way delay: 34.710 ms

Loss rate: 0.22%

Run 2: Report of Indigo-MusesC3 — Data Link

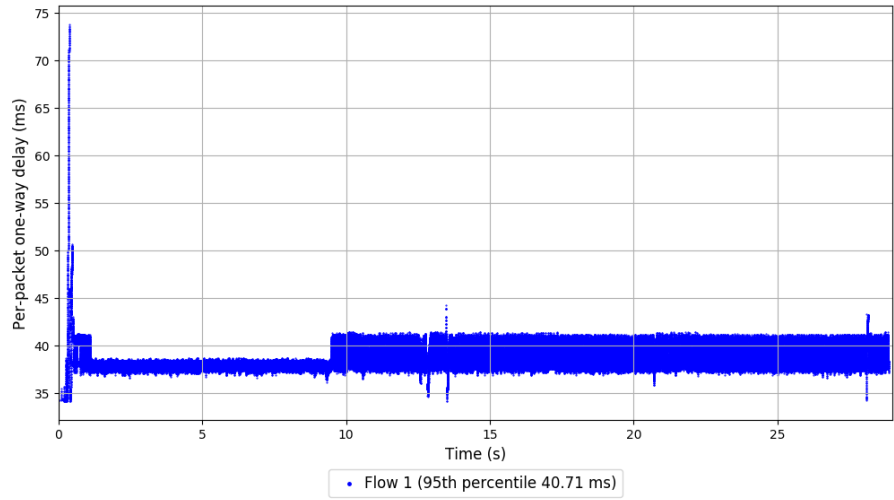
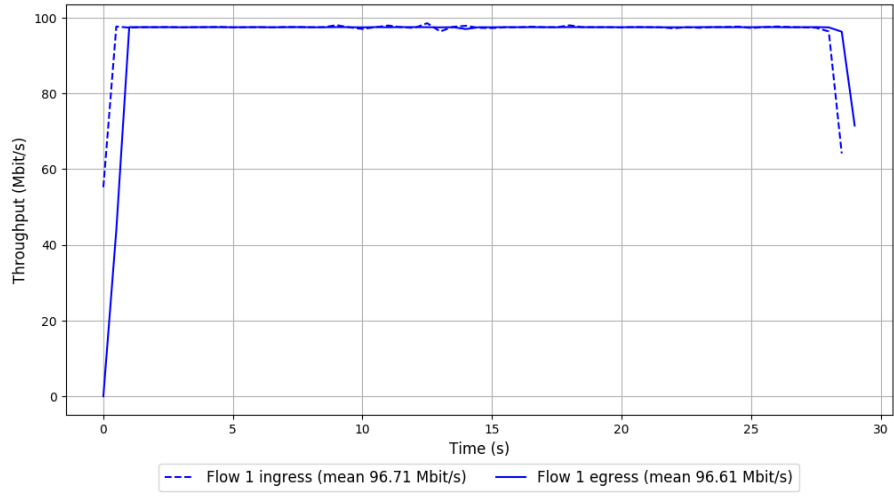


Run 3: Statistics of Indigo-MusesC3

Start at: 2020-02-17 22:50:21
End at: 2020-02-17 22:50:51
Local clock offset: 1.494 ms
Remote clock offset: -2.401 ms

```
# Below is generated by plot.py at 2020-02-17 23:51:53
# Datalink statistics
-- Total of 1 flow:
Average throughput: 96.61 Mbit/s
95th percentile per-packet one-way delay: 40.710 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 96.61 Mbit/s
95th percentile per-packet one-way delay: 40.710 ms
Loss rate: 0.09%
```

Run 3: Report of Indigo-MusesC3 — Data Link



Run 4: Statistics of Indigo-MusesC3

Start at: 2020-02-17 23:17:33

End at: 2020-02-17 23:18:03

Local clock offset: 6.325 ms

Remote clock offset: -2.13 ms

Below is generated by plot.py at 2020-02-17 23:51:54

Datalink statistics

-- Total of 1 flow:

Average throughput: 96.54 Mbit/s

95th percentile per-packet one-way delay: 33.752 ms

Loss rate: 0.09%

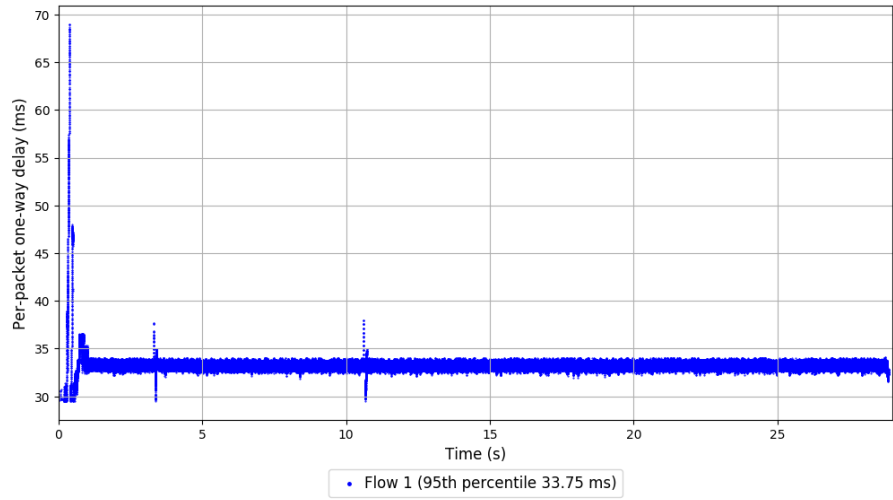
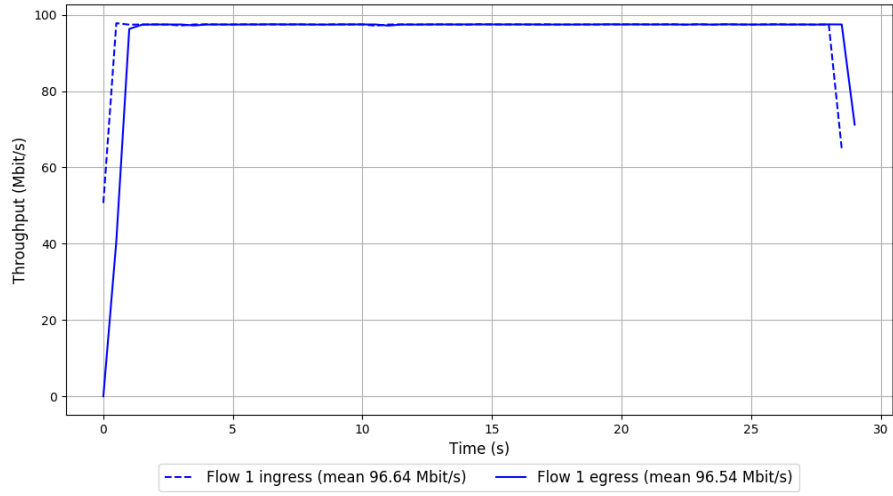
-- Flow 1:

Average throughput: 96.54 Mbit/s

95th percentile per-packet one-way delay: 33.752 ms

Loss rate: 0.09%

Run 4: Report of Indigo-MusesC3 — Data Link



Run 5: Statistics of Indigo-MusesC3

Start at: 2020-02-17 23:44:47

End at: 2020-02-17 23:45:17

Local clock offset: 1.633 ms

Remote clock offset: -2.827 ms

Below is generated by plot.py at 2020-02-17 23:52:04

Datalink statistics

-- Total of 1 flow:

Average throughput: 96.65 Mbit/s

95th percentile per-packet one-way delay: 37.735 ms

Loss rate: 0.02%

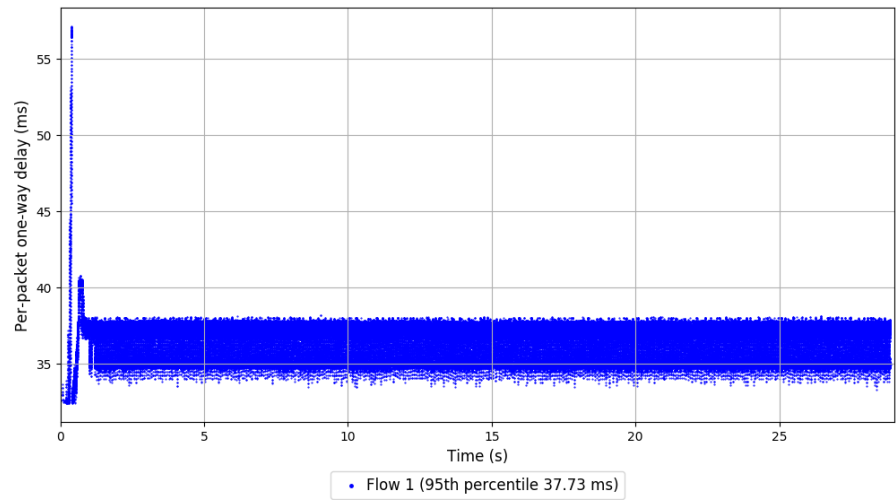
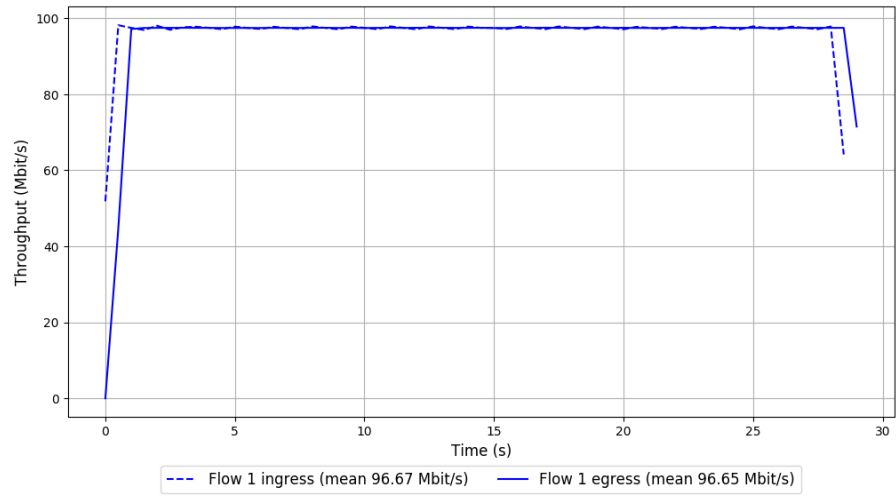
-- Flow 1:

Average throughput: 96.65 Mbit/s

95th percentile per-packet one-way delay: 37.735 ms

Loss rate: 0.02%

Run 5: Report of Indigo-MusesC3 — Data Link

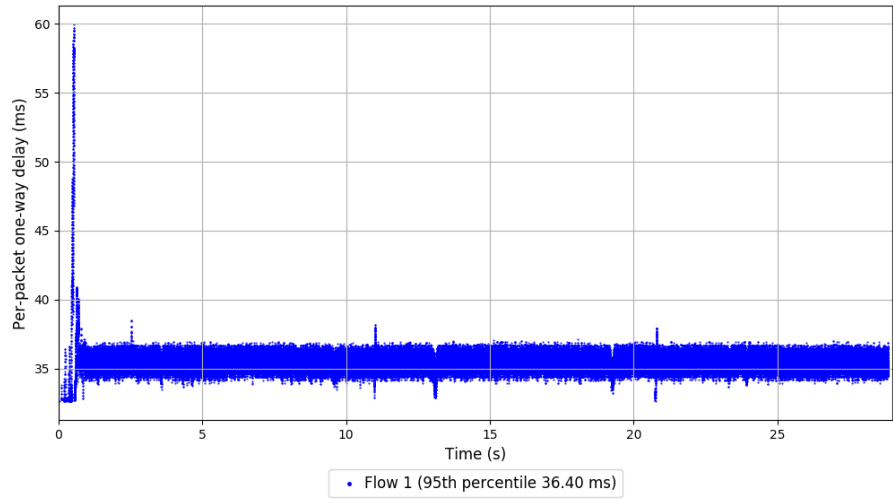
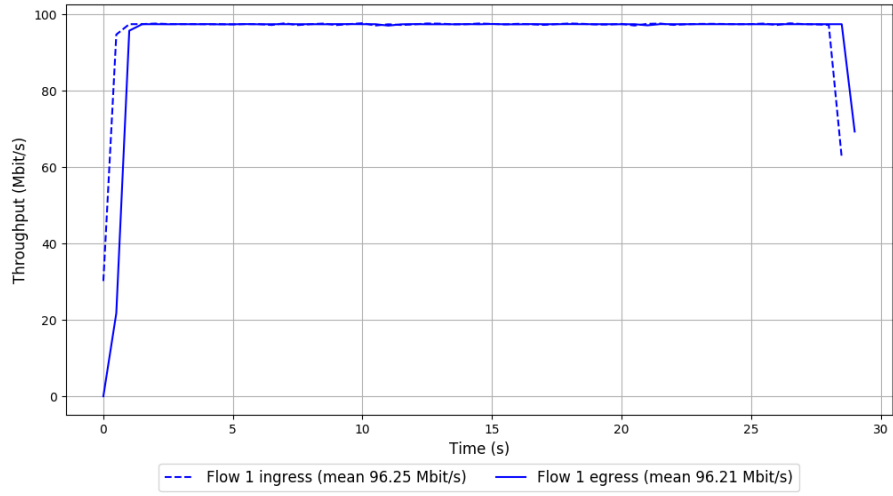


Run 1: Statistics of Indigo-MusesC5

Start at: 2020-02-17 21:39:51
End at: 2020-02-17 21:40:21
Local clock offset: 0.978 ms
Remote clock offset: -1.277 ms

Below is generated by plot.py at 2020-02-17 23:52:13
Datalink statistics
-- Total of 1 flow:
Average throughput: 96.21 Mbit/s
95th percentile per-packet one-way delay: 36.398 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 96.21 Mbit/s
95th percentile per-packet one-way delay: 36.398 ms
Loss rate: 0.03%

Run 1: Report of Indigo-MusesC5 — Data Link



Run 2: Statistics of Indigo-MusesC5

Start at: 2020-02-17 22:07:12

End at: 2020-02-17 22:07:42

Local clock offset: 6.663 ms

Remote clock offset: -1.758 ms

Below is generated by plot.py at 2020-02-17 23:52:14

Datalink statistics

-- Total of 1 flow:

Average throughput: 95.05 Mbit/s

95th percentile per-packet one-way delay: 29.418 ms

Loss rate: 0.00%

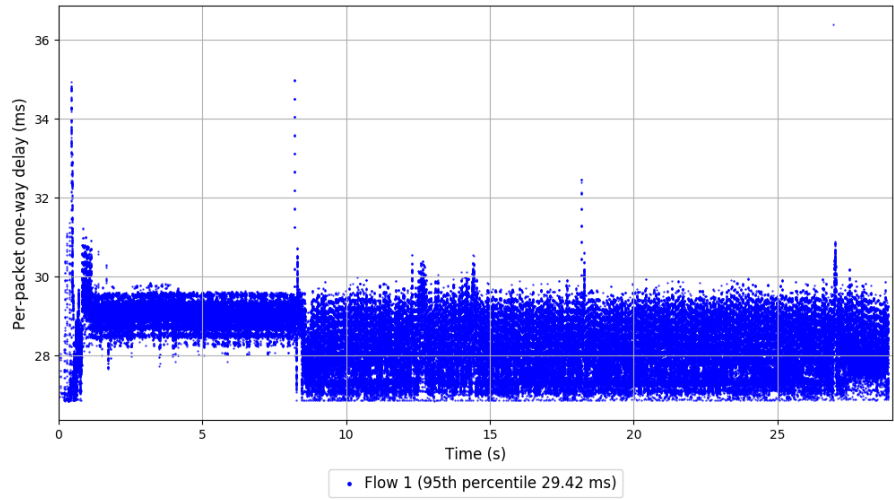
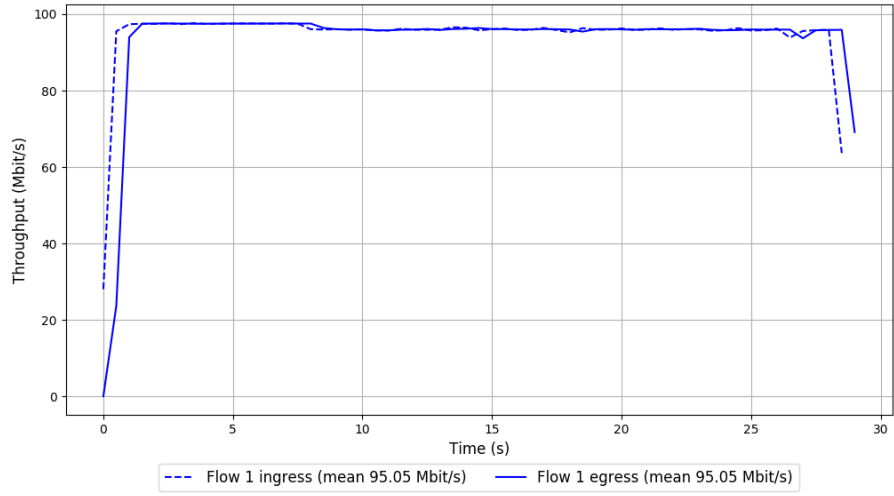
-- Flow 1:

Average throughput: 95.05 Mbit/s

95th percentile per-packet one-way delay: 29.418 ms

Loss rate: 0.00%

Run 2: Report of Indigo-MusesC5 — Data Link



Run 3: Statistics of Indigo-MusesC5

Start at: 2020-02-17 22:34:26

End at: 2020-02-17 22:34:56

Local clock offset: 7.244 ms

Remote clock offset: -2.08 ms

Below is generated by plot.py at 2020-02-17 23:52:45

Datalink statistics

-- Total of 1 flow:

Average throughput: 96.33 Mbit/s

95th percentile per-packet one-way delay: 32.365 ms

Loss rate: 0.00%

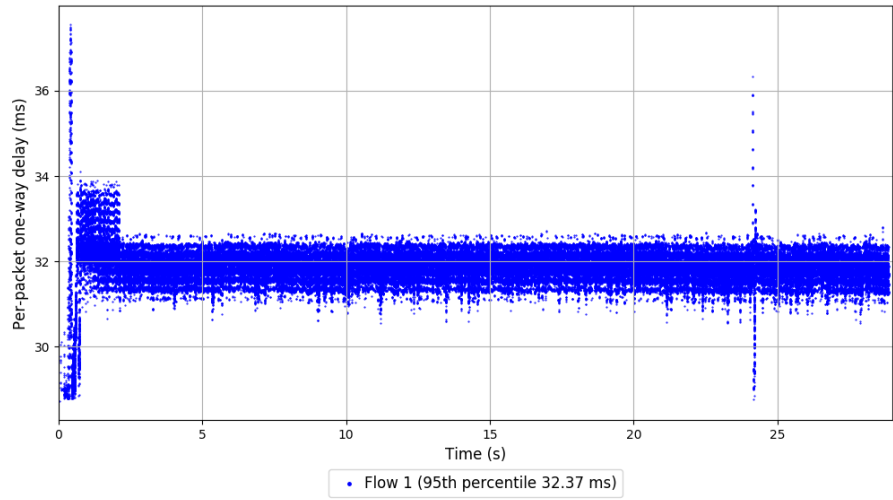
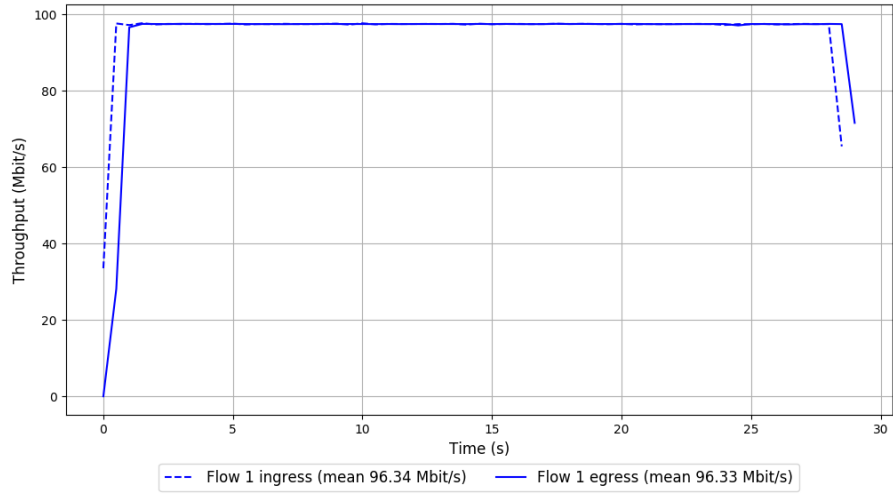
-- Flow 1:

Average throughput: 96.33 Mbit/s

95th percentile per-packet one-way delay: 32.365 ms

Loss rate: 0.00%

Run 3: Report of Indigo-MusesC5 — Data Link



Run 4: Statistics of Indigo-MusesC5

Start at: 2020-02-17 23:01:38

End at: 2020-02-17 23:02:08

Local clock offset: 6.26 ms

Remote clock offset: -2.331 ms

Below is generated by plot.py at 2020-02-17 23:52:45

Datalink statistics

-- Total of 1 flow:

Average throughput: 96.18 Mbit/s

95th percentile per-packet one-way delay: 31.487 ms

Loss rate: 0.01%

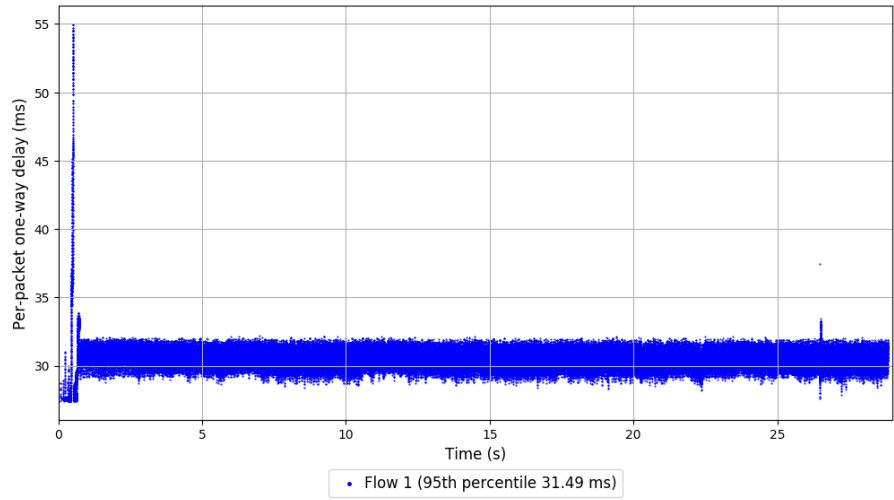
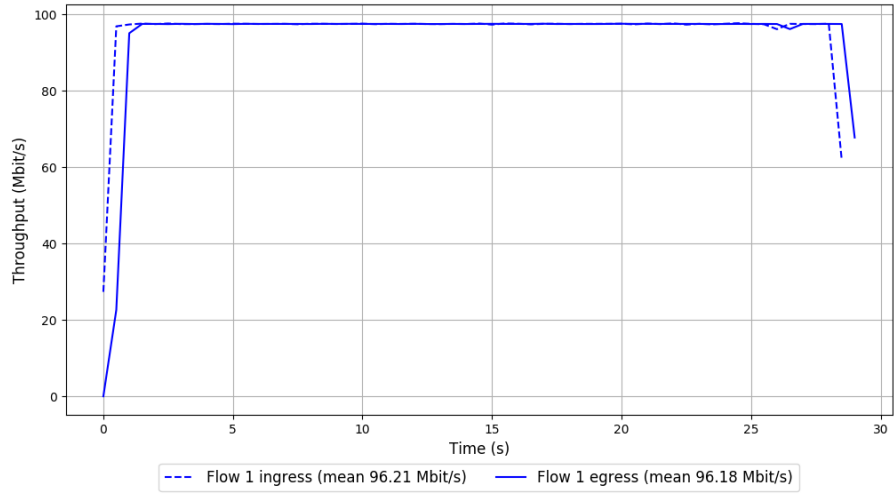
-- Flow 1:

Average throughput: 96.18 Mbit/s

95th percentile per-packet one-way delay: 31.487 ms

Loss rate: 0.01%

Run 4: Report of Indigo-MusesC5 — Data Link



Run 5: Statistics of Indigo-MusesC5

Start at: 2020-02-17 23:28:51

End at: 2020-02-17 23:29:21

Local clock offset: 5.614 ms

Remote clock offset: -3.975 ms

Below is generated by plot.py at 2020-02-17 23:52:48

Datalink statistics

-- Total of 1 flow:

Average throughput: 96.13 Mbit/s

95th percentile per-packet one-way delay: 31.237 ms

Loss rate: 0.01%

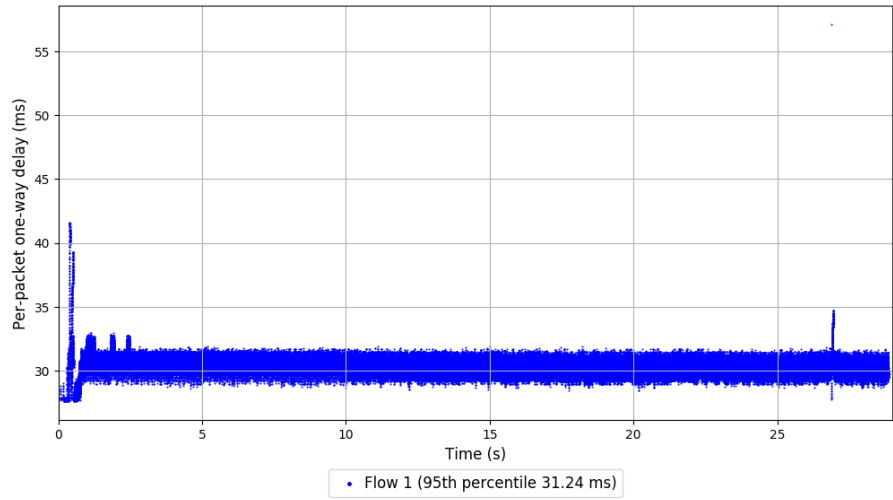
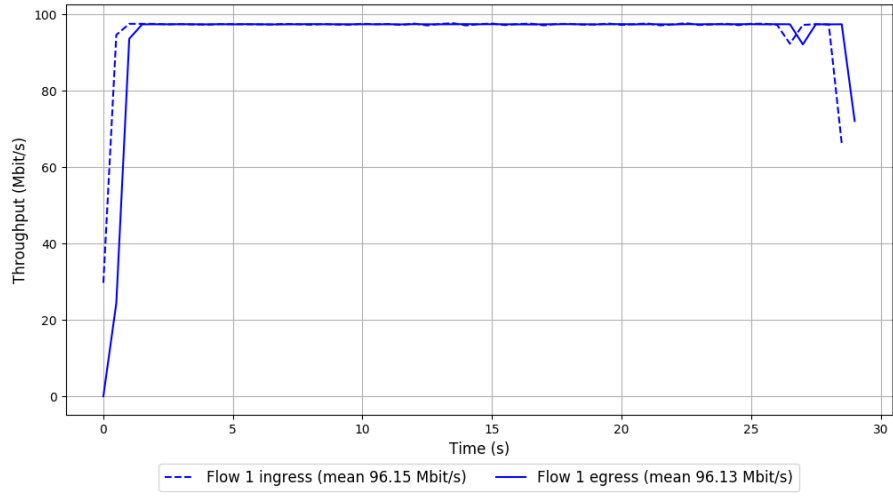
-- Flow 1:

Average throughput: 96.13 Mbit/s

95th percentile per-packet one-way delay: 31.237 ms

Loss rate: 0.01%

Run 5: Report of Indigo-MusesC5 — Data Link

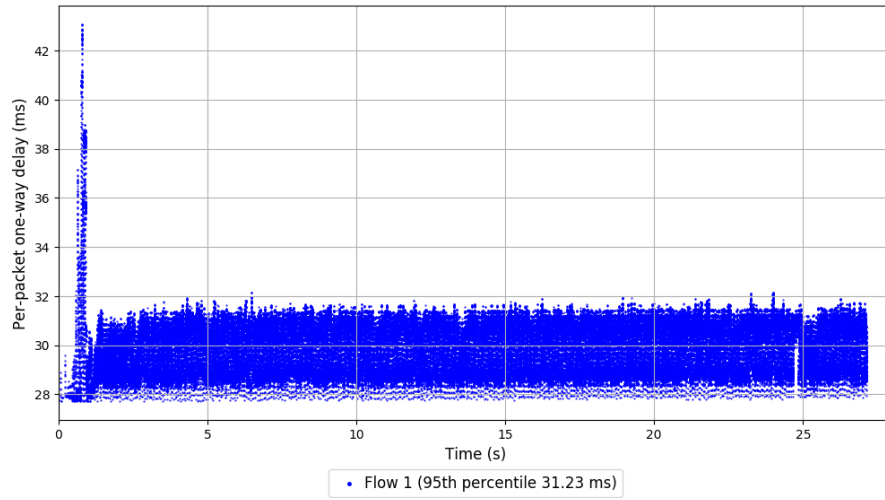
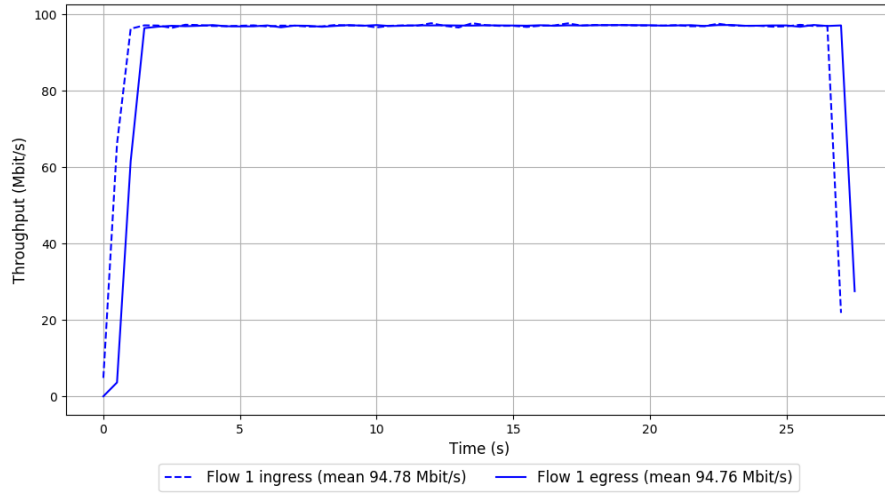


Run 1: Statistics of Indigo-MusesD

Start at: 2020-02-17 21:31:55
End at: 2020-02-17 21:32:25
Local clock offset: 5.103 ms
Remote clock offset: -1.036 ms

Below is generated by plot.py at 2020-02-17 23:52:56
Datalink statistics
-- Total of 1 flow:
Average throughput: 94.76 Mbit/s
95th percentile per-packet one-way delay: 31.228 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 94.76 Mbit/s
95th percentile per-packet one-way delay: 31.228 ms
Loss rate: 0.01%

Run 1: Report of Indigo-MusesD — Data Link



Run 2: Statistics of Indigo-MusesD

Start at: 2020-02-17 21:59:14

End at: 2020-02-17 21:59:44

Local clock offset: 2.413 ms

Remote clock offset: -2.393 ms

Below is generated by plot.py at 2020-02-17 23:53:00

Datalink statistics

-- Total of 1 flow:

Average throughput: 96.03 Mbit/s

95th percentile per-packet one-way delay: 33.040 ms

Loss rate: 0.01%

-- Flow 1:

Average throughput: 96.03 Mbit/s

95th percentile per-packet one-way delay: 33.040 ms

Loss rate: 0.01%

Run 3: Statistics of Indigo-MusesD

Start at: 2020-02-17 22:26:30

End at: 2020-02-17 22:27:00

Local clock offset: 4.134 ms

Remote clock offset: -10.021 ms

Below is generated by plot.py at 2020-02-17 23:53:11

Datalink statistics

-- Total of 1 flow:

Average throughput: 96.47 Mbit/s

95th percentile per-packet one-way delay: 28.634 ms

Loss rate: 0.00%

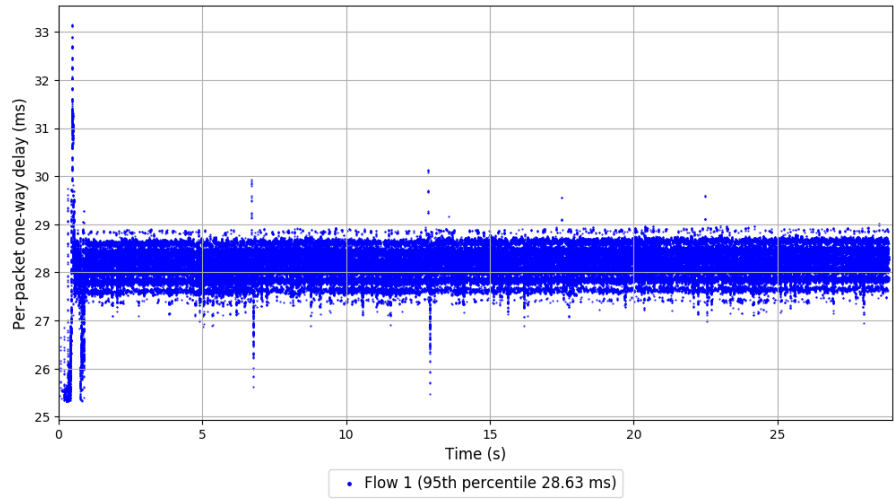
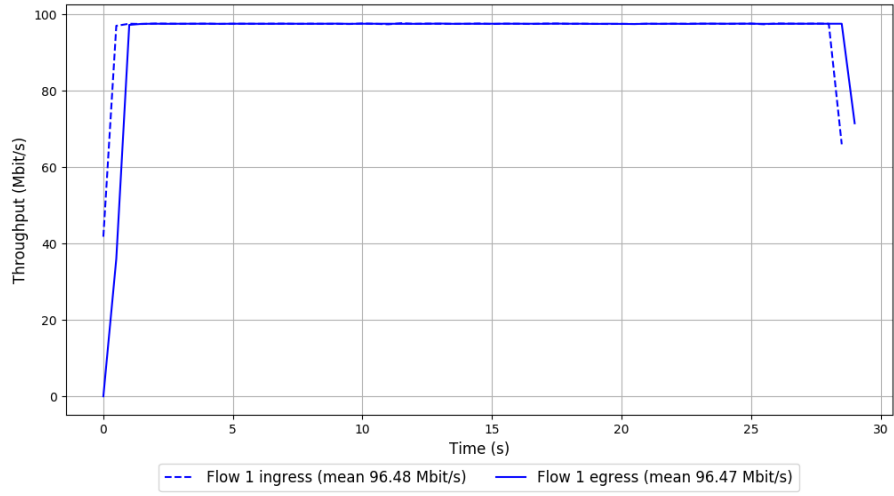
-- Flow 1:

Average throughput: 96.47 Mbit/s

95th percentile per-packet one-way delay: 28.634 ms

Loss rate: 0.00%

Run 3: Report of Indigo-MusesD — Data Link



Run 4: Statistics of Indigo-MusesD

Start at: 2020-02-17 22:53:44

End at: 2020-02-17 22:54:14

Local clock offset: 5.817 ms

Remote clock offset: -0.644 ms

Below is generated by plot.py at 2020-02-17 23:53:20

Datalink statistics

-- Total of 1 flow:

Average throughput: 96.47 Mbit/s

95th percentile per-packet one-way delay: 35.314 ms

Loss rate: 0.01%

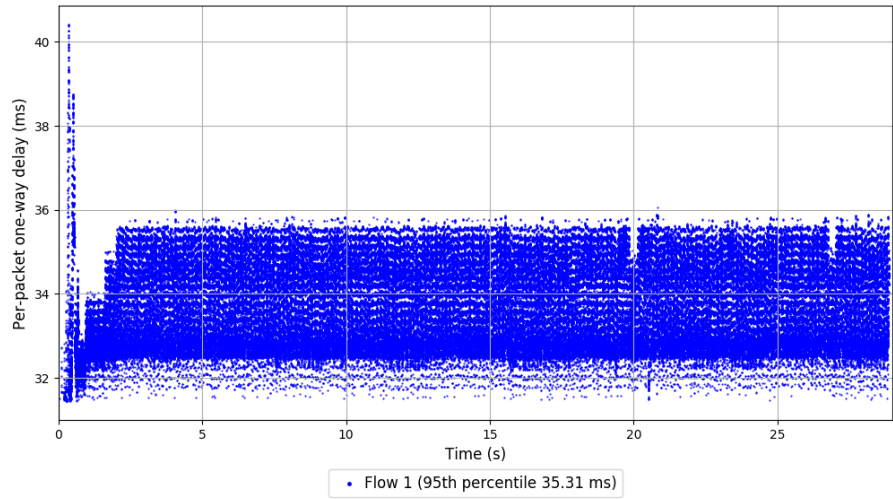
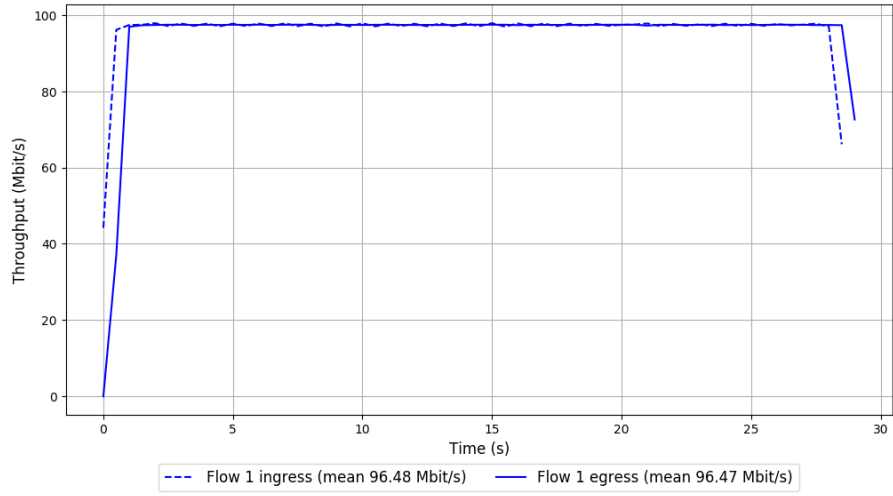
-- Flow 1:

Average throughput: 96.47 Mbit/s

95th percentile per-packet one-way delay: 35.314 ms

Loss rate: 0.01%

Run 4: Report of Indigo-MusesD — Data Link



Run 5: Statistics of Indigo-MusesD

Start at: 2020-02-17 23:20:57

End at: 2020-02-17 23:21:27

Local clock offset: 5.724 ms

Remote clock offset: -1.539 ms

Below is generated by plot.py at 2020-02-17 23:53:20

Datalink statistics

-- Total of 1 flow:

Average throughput: 95.84 Mbit/s

95th percentile per-packet one-way delay: 32.519 ms

Loss rate: 0.01%

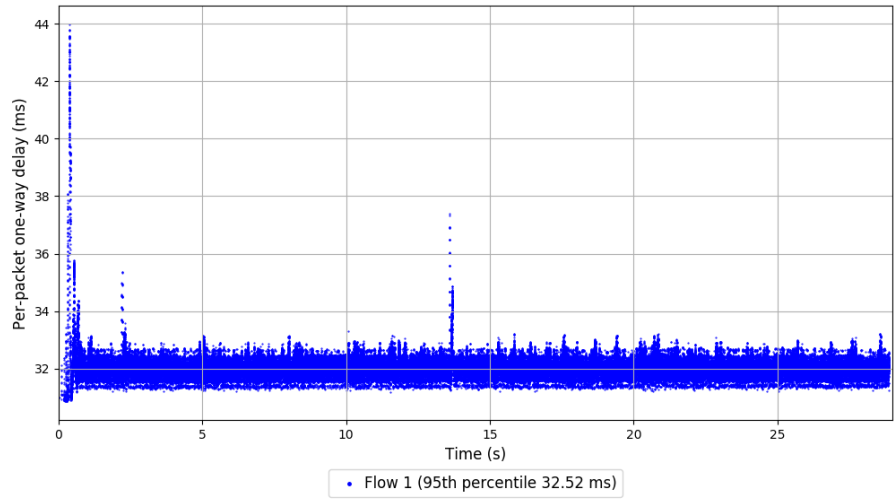
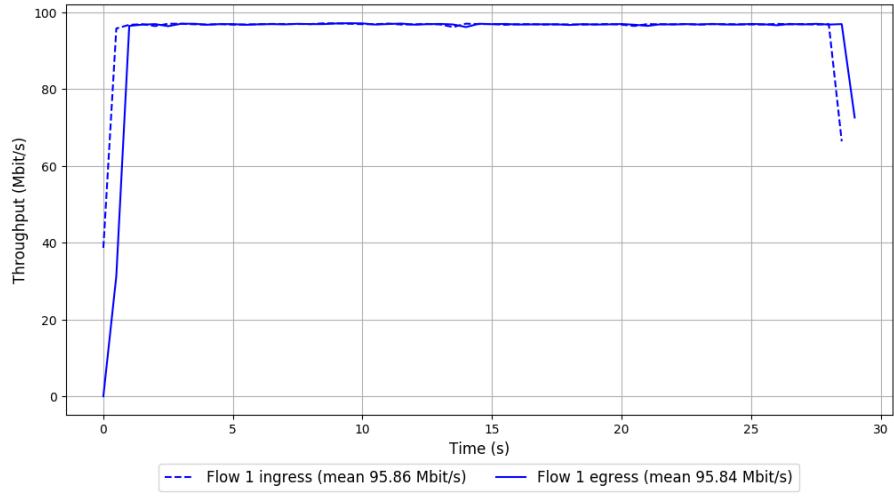
-- Flow 1:

Average throughput: 95.84 Mbit/s

95th percentile per-packet one-way delay: 32.519 ms

Loss rate: 0.01%

Run 5: Report of Indigo-MusesD — Data Link



Run 1: Statistics of Indigo-MusesT

Start at: 2020-02-17 21:52:20

End at: 2020-02-17 21:52:50

Local clock offset: 6.541 ms

Remote clock offset: 1.378 ms

Below is generated by plot.py at 2020-02-17 23:53:53

Datalink statistics

-- Total of 1 flow:

Average throughput: 96.64 Mbit/s

95th percentile per-packet one-way delay: 38.305 ms

Loss rate: 0.08%

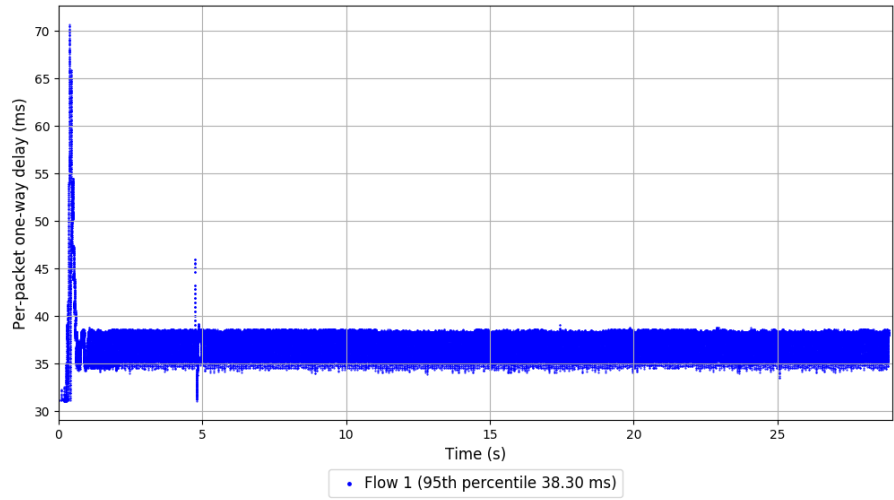
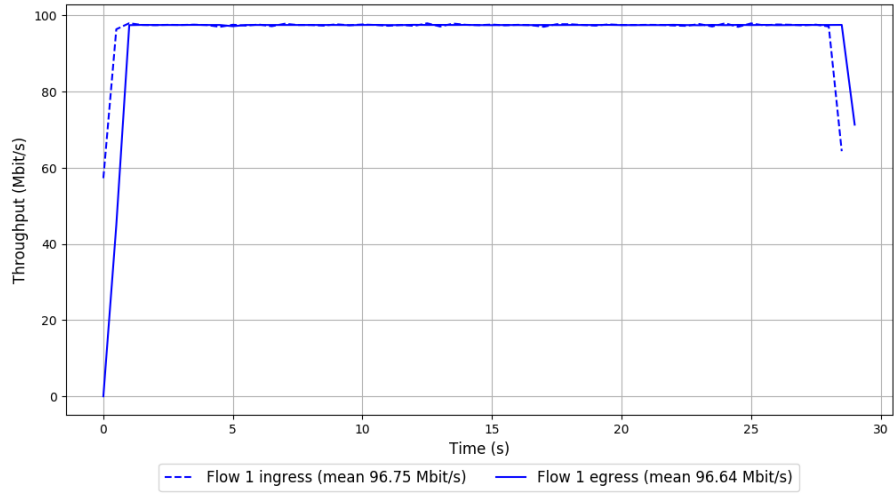
-- Flow 1:

Average throughput: 96.64 Mbit/s

95th percentile per-packet one-way delay: 38.305 ms

Loss rate: 0.08%

Run 1: Report of Indigo-MusesT — Data Link



Run 2: Statistics of Indigo-MusesT

Start at: 2020-02-17 22:19:41

End at: 2020-02-17 22:20:11

Local clock offset: 3.316 ms

Remote clock offset: -1.709 ms

Below is generated by plot.py at 2020-02-17 23:53:53

Datalink statistics

-- Total of 1 flow:

Average throughput: 96.62 Mbit/s

95th percentile per-packet one-way delay: 37.472 ms

Loss rate: 0.15%

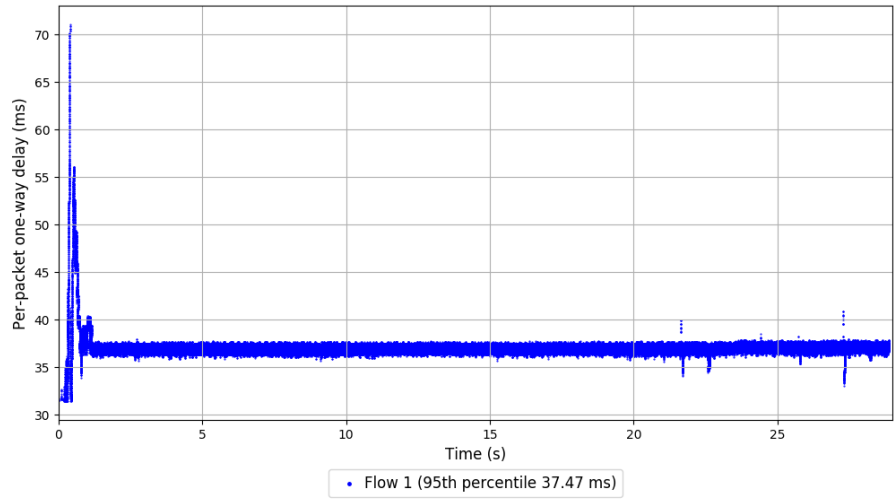
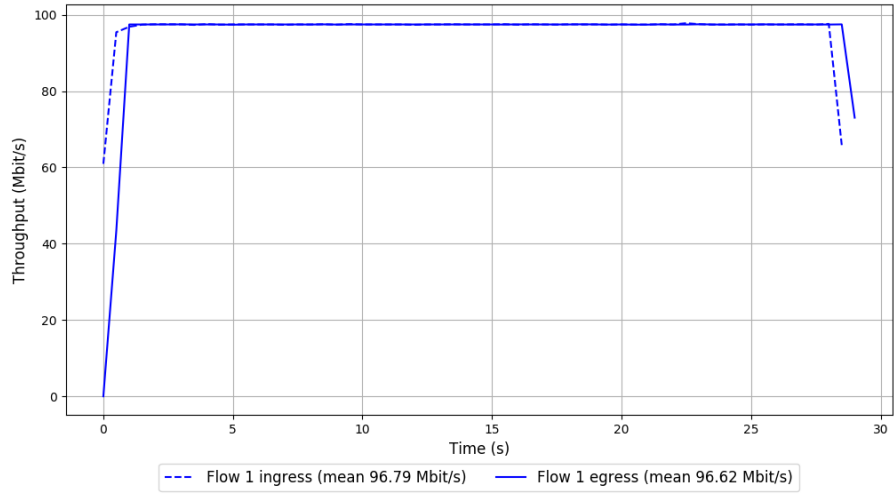
-- Flow 1:

Average throughput: 96.62 Mbit/s

95th percentile per-packet one-way delay: 37.472 ms

Loss rate: 0.15%

Run 2: Report of Indigo-MusesT — Data Link



Run 3: Statistics of Indigo-MuseST

Start at: 2020-02-17 22:46:55

End at: 2020-02-17 22:47:25

Local clock offset: 6.069 ms

Remote clock offset: -3.745 ms

Below is generated by plot.py at 2020-02-17 23:53:56

Datalink statistics

-- Total of 1 flow:

Average throughput: 96.68 Mbit/s

95th percentile per-packet one-way delay: 32.659 ms

Loss rate: 0.09%

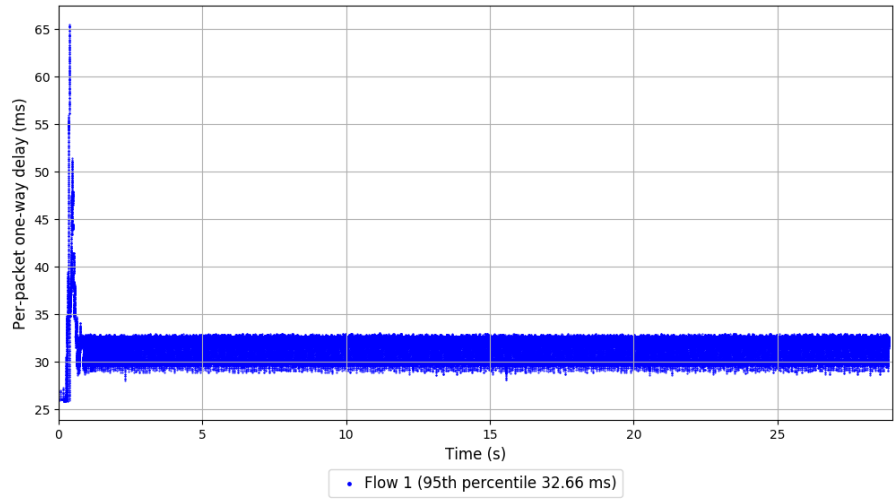
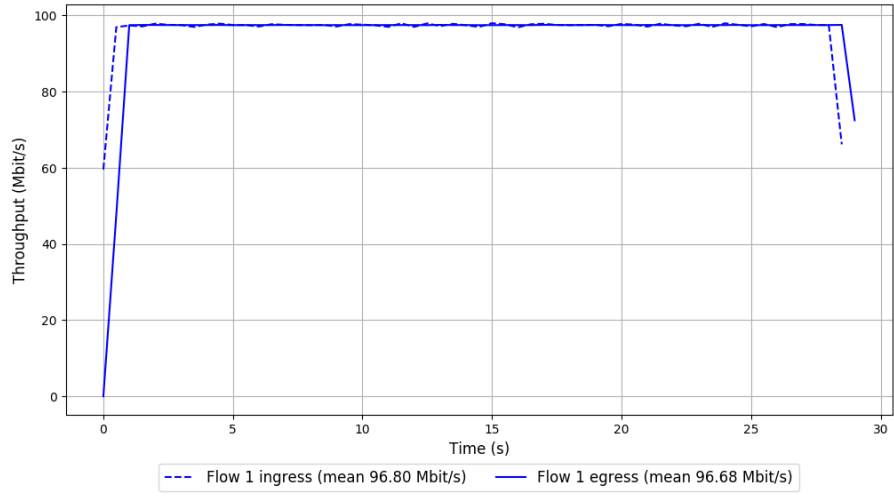
-- Flow 1:

Average throughput: 96.68 Mbit/s

95th percentile per-packet one-way delay: 32.659 ms

Loss rate: 0.09%

Run 3: Report of Indigo-MusesT — Data Link



Run 4: Statistics of Indigo-MuseST

Start at: 2020-02-17 23:14:07

End at: 2020-02-17 23:14:37

Local clock offset: 2.22 ms

Remote clock offset: -1.987 ms

Below is generated by plot.py at 2020-02-17 23:54:03

Datalink statistics

-- Total of 1 flow:

Average throughput: 96.59 Mbit/s

95th percentile per-packet one-way delay: 38.335 ms

Loss rate: 0.39%

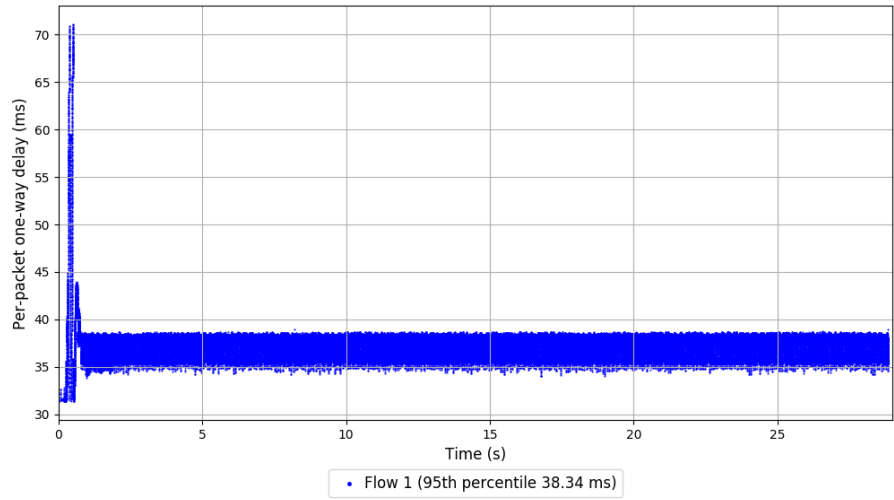
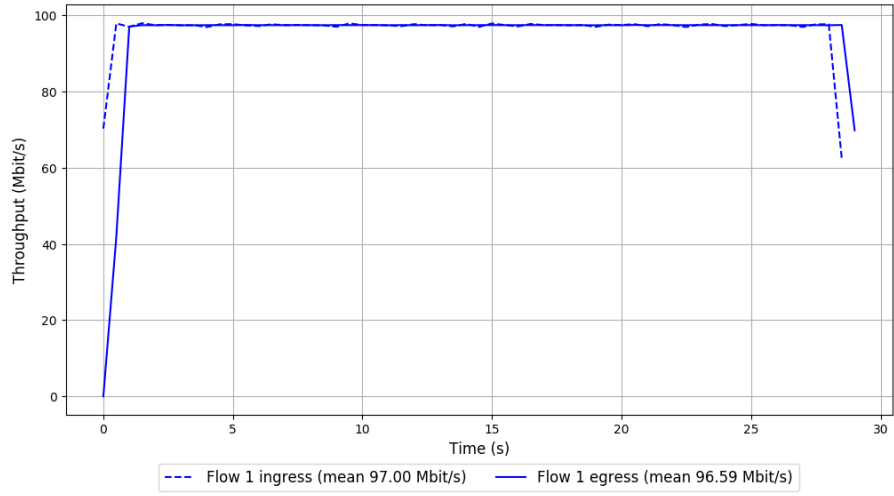
-- Flow 1:

Average throughput: 96.59 Mbit/s

95th percentile per-packet one-way delay: 38.335 ms

Loss rate: 0.39%

Run 4: Report of Indigo-MusesT — Data Link

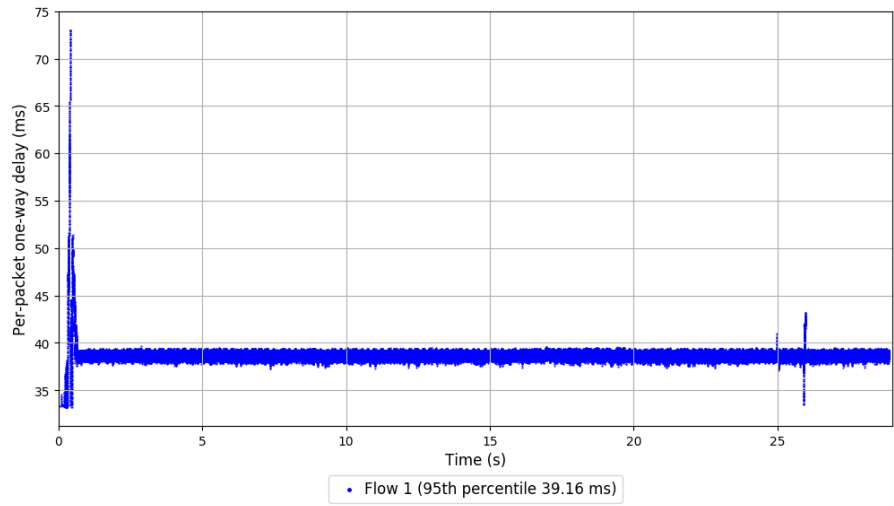
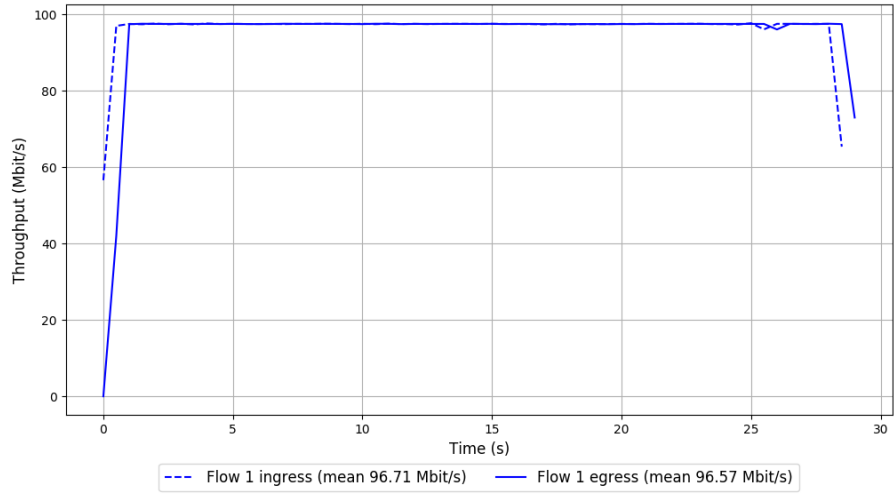


Run 5: Statistics of Indigo-MuseST

Start at: 2020-02-17 23:41:21
End at: 2020-02-17 23:41:51
Local clock offset: -1.574 ms
Remote clock offset: -5.039 ms

```
# Below is generated by plot.py at 2020-02-17 23:54:10
# Datalink statistics
-- Total of 1 flow:
Average throughput: 96.57 Mbit/s
95th percentile per-packet one-way delay: 39.156 ms
Loss rate: 0.12%
-- Flow 1:
Average throughput: 96.57 Mbit/s
95th percentile per-packet one-way delay: 39.156 ms
Loss rate: 0.12%
```

Run 5: Report of Indigo-MusesT — Data Link



Run 1: Statistics of LEDBAT

Start at: 2020-02-17 21:38:42

End at: 2020-02-17 21:39:12

Local clock offset: 1.748 ms

Remote clock offset: -1.065 ms

Below is generated by plot.py at 2020-02-17 23:54:10

Datalink statistics

-- Total of 1 flow:

Average throughput: 68.20 Mbit/s

95th percentile per-packet one-way delay: 69.299 ms

Loss rate: 0.19%

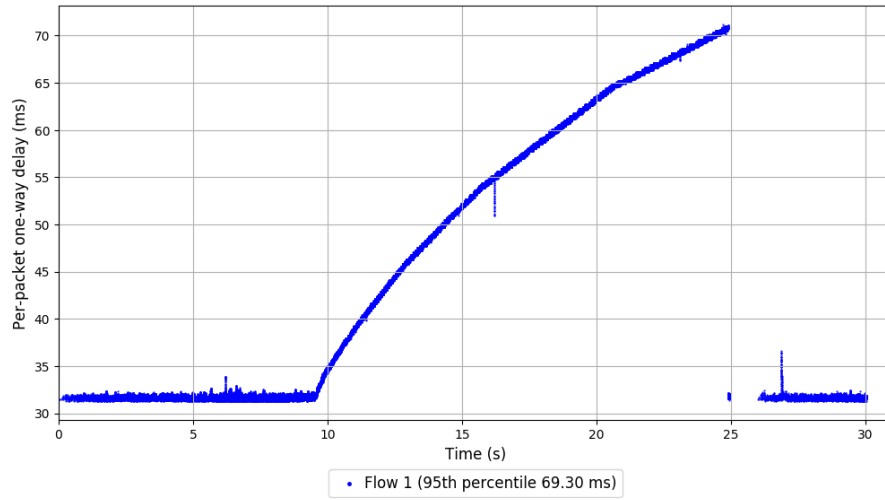
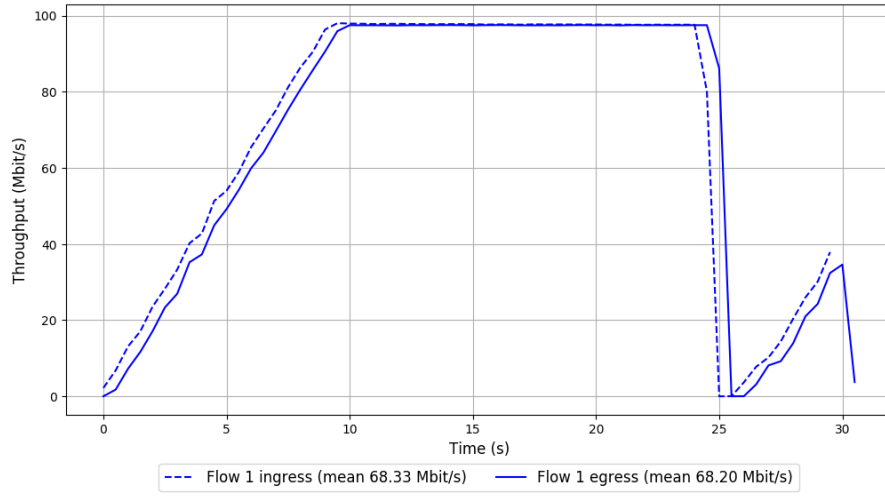
-- Flow 1:

Average throughput: 68.20 Mbit/s

95th percentile per-packet one-way delay: 69.299 ms

Loss rate: 0.19%

Run 1: Report of LEDBAT — Data Link



Run 2: Statistics of LEDBAT

Start at: 2020-02-17 22:06:02

End at: 2020-02-17 22:06:32

Local clock offset: 6.731 ms

Remote clock offset: -2.029 ms

Below is generated by plot.py at 2020-02-17 23:54:23

Datalink statistics

-- Total of 1 flow:

Average throughput: 80.21 Mbit/s

95th percentile per-packet one-way delay: 59.326 ms

Loss rate: 0.02%

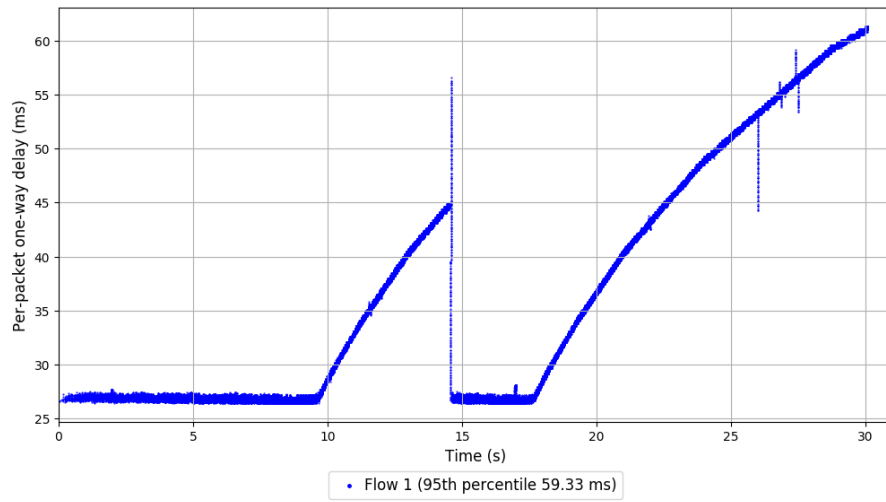
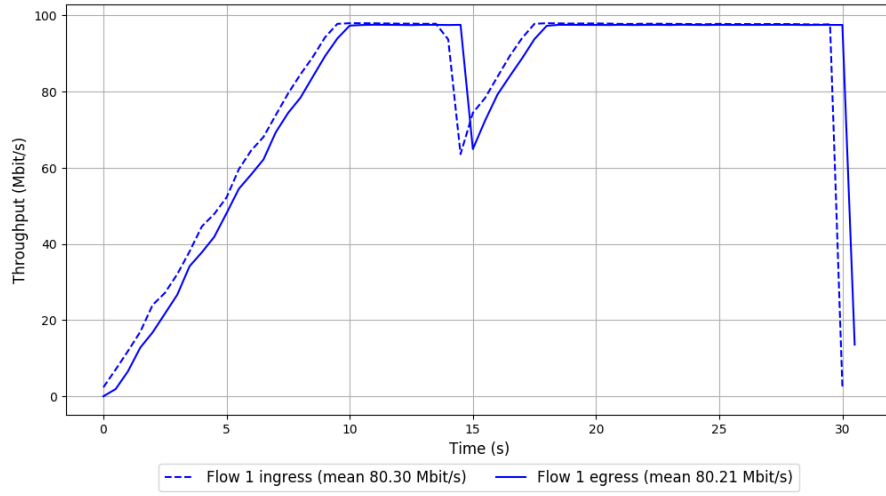
-- Flow 1:

Average throughput: 80.21 Mbit/s

95th percentile per-packet one-way delay: 59.326 ms

Loss rate: 0.02%

Run 2: Report of LEDBAT — Data Link

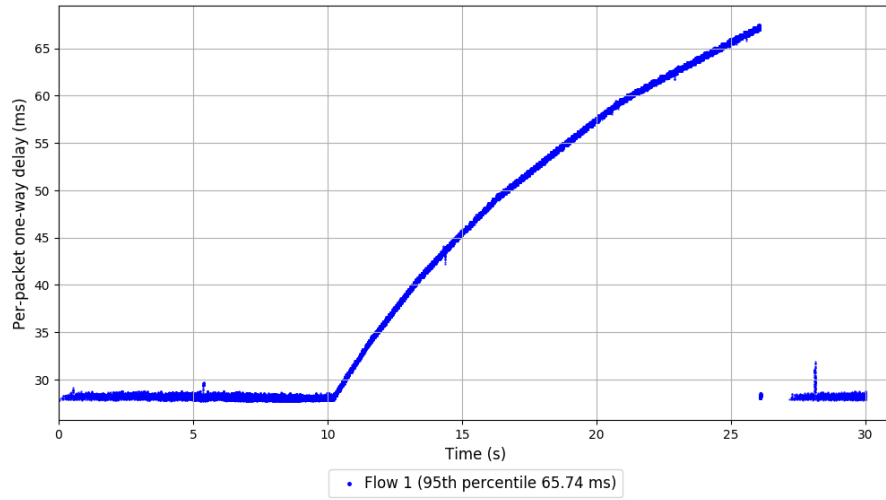
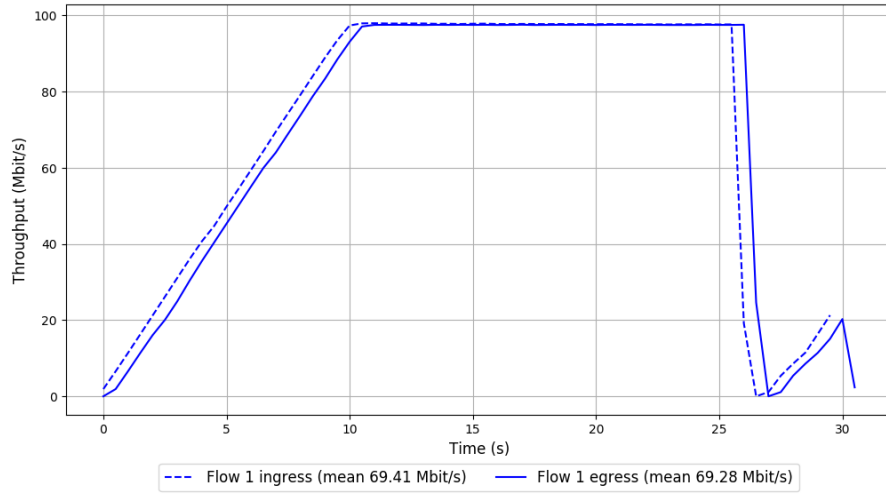


Run 3: Statistics of LEDBAT

Start at: 2020-02-17 22:33:17
End at: 2020-02-17 22:33:47
Local clock offset: 6.527 ms
Remote clock offset: -3.824 ms

Below is generated by plot.py at 2020-02-17 23:54:23
Datalink statistics
-- Total of 1 flow:
Average throughput: 69.28 Mbit/s
95th percentile per-packet one-way delay: 65.743 ms
Loss rate: 0.18%
-- Flow 1:
Average throughput: 69.28 Mbit/s
95th percentile per-packet one-way delay: 65.743 ms
Loss rate: 0.18%

Run 3: Report of LEDBAT — Data Link

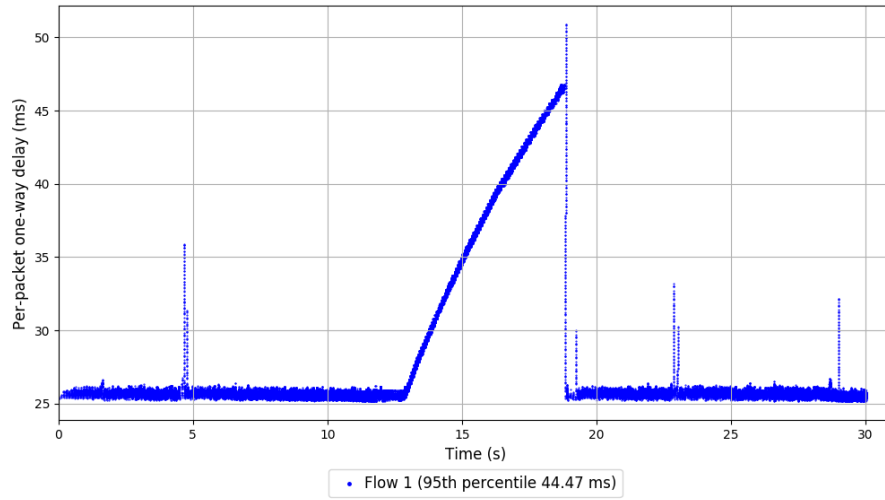
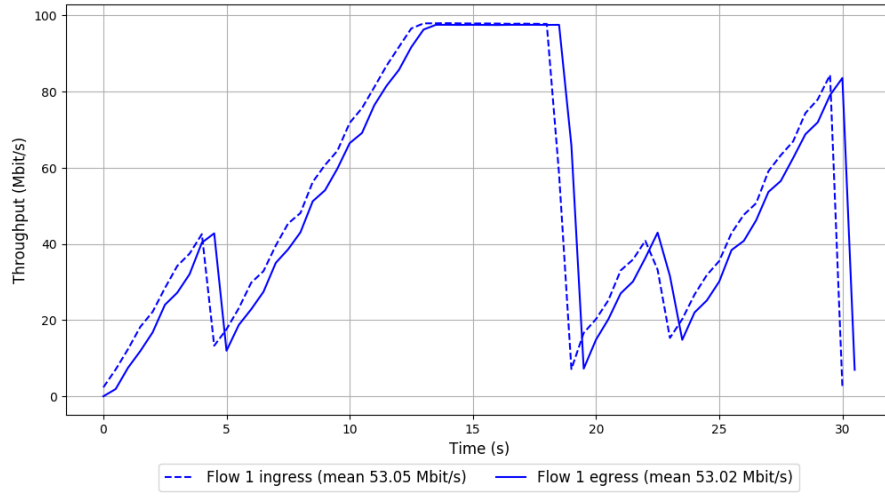


Run 4: Statistics of LEDBAT

Start at: 2020-02-17 23:00:30
End at: 2020-02-17 23:01:00
Local clock offset: 5.978 ms
Remote clock offset: -4.901 ms

Below is generated by plot.py at 2020-02-17 23:54:28
Datalink statistics
-- Total of 1 flow:
Average throughput: 53.02 Mbit/s
95th percentile per-packet one-way delay: 44.471 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 53.02 Mbit/s
95th percentile per-packet one-way delay: 44.471 ms
Loss rate: 0.07%

Run 4: Report of LEDBAT — Data Link



Run 5: Statistics of LEDBAT

Start at: 2020-02-17 23:27:43

End at: 2020-02-17 23:28:13

Local clock offset: 6.677 ms

Remote clock offset: -2.432 ms

Below is generated by plot.py at 2020-02-17 23:54:32

Datalink statistics

-- Total of 1 flow:

Average throughput: 59.26 Mbit/s

95th percentile per-packet one-way delay: 41.983 ms

Loss rate: 0.04%

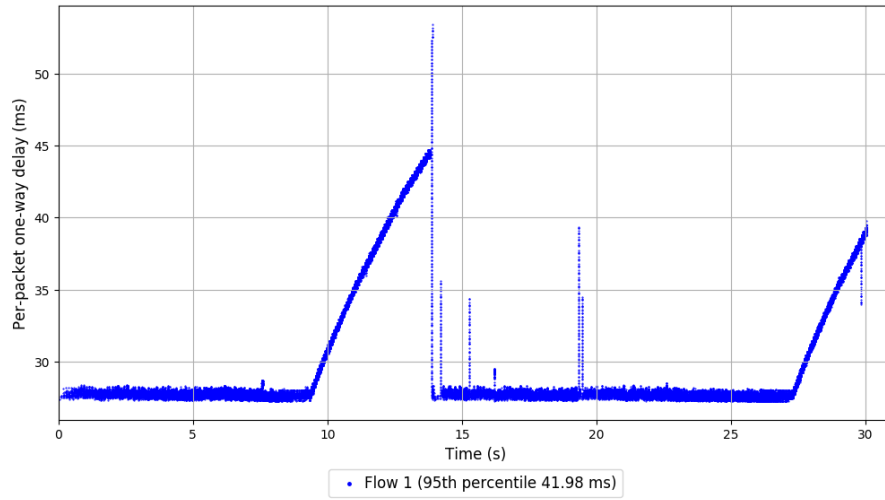
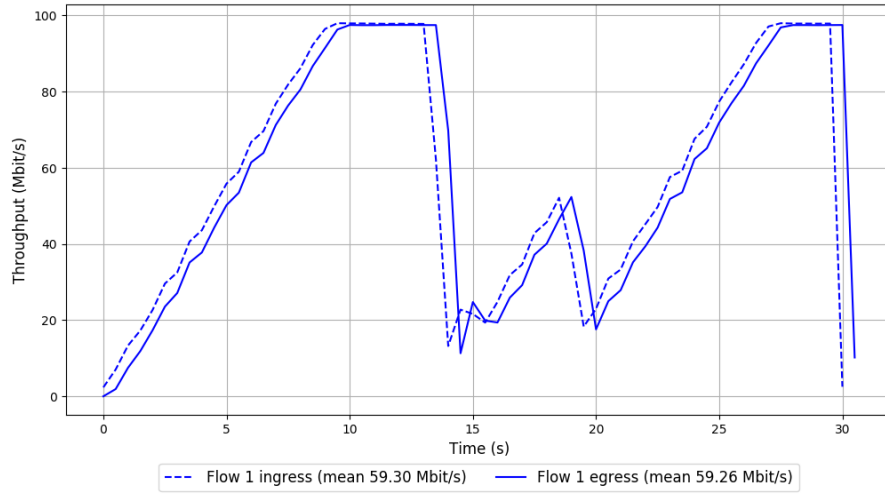
-- Flow 1:

Average throughput: 59.26 Mbit/s

95th percentile per-packet one-way delay: 41.983 ms

Loss rate: 0.04%

Run 5: Report of LEDBAT — Data Link

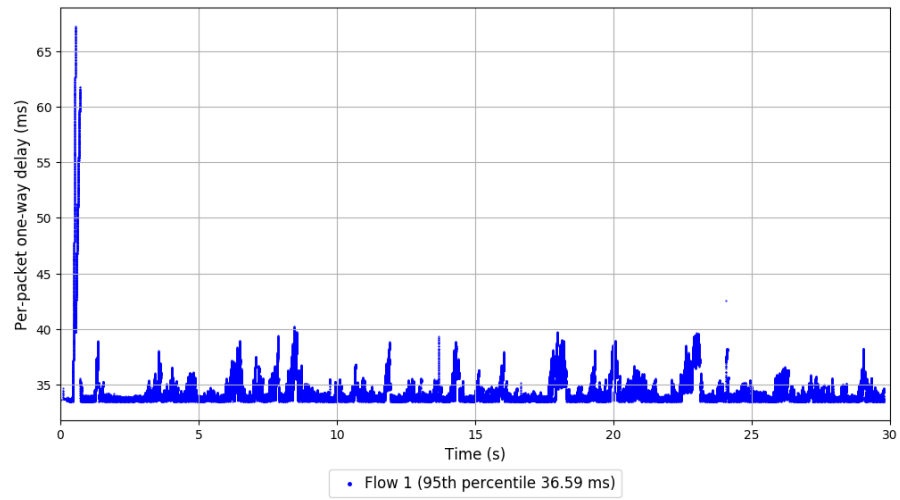
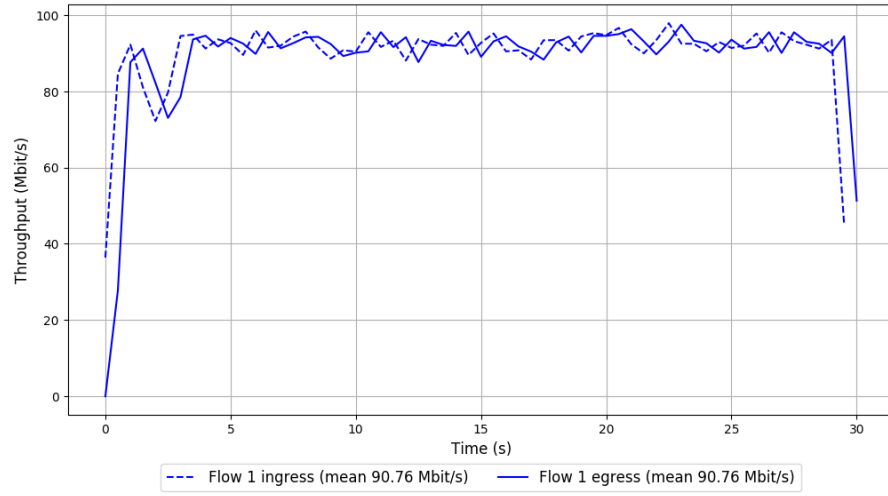


Run 1: Statistics of Muses_DecisionTree

Start at: 2020-02-17 21:48:57
End at: 2020-02-17 21:49:27
Local clock offset: 1.815 ms
Remote clock offset: -0.832 ms

Below is generated by plot.py at 2020-02-17 23:54:59
Datalink statistics
-- Total of 1 flow:
Average throughput: 90.76 Mbit/s
95th percentile per-packet one-way delay: 36.585 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 90.76 Mbit/s
95th percentile per-packet one-way delay: 36.585 ms
Loss rate: 0.00%

Run 1: Report of Muses_DecisionTree — Data Link



Run 2: Statistics of Muses_DecisionTree

Start at: 2020-02-17 22:16:17

End at: 2020-02-17 22:16:47

Local clock offset: 7.057 ms

Remote clock offset: -0.71 ms

Below is generated by plot.py at 2020-02-17 23:55:06

Datalink statistics

-- Total of 1 flow:

Average throughput: 95.85 Mbit/s

95th percentile per-packet one-way delay: 32.725 ms

Loss rate: 0.00%

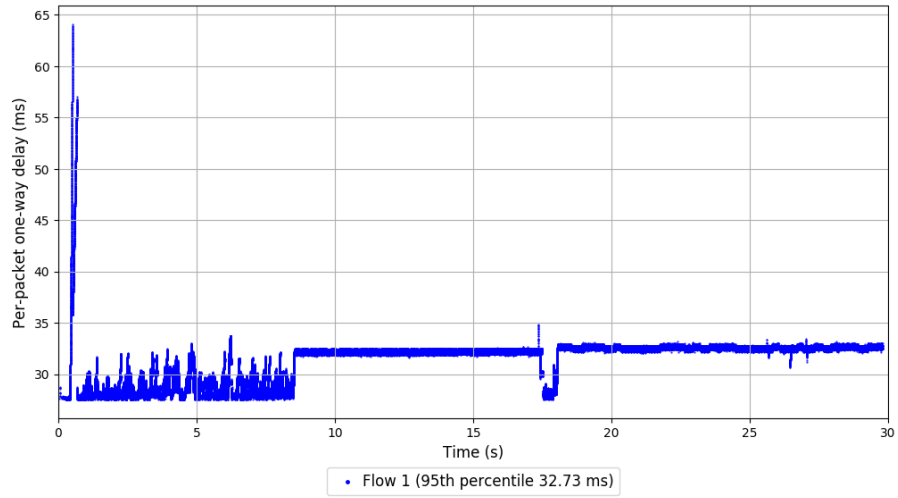
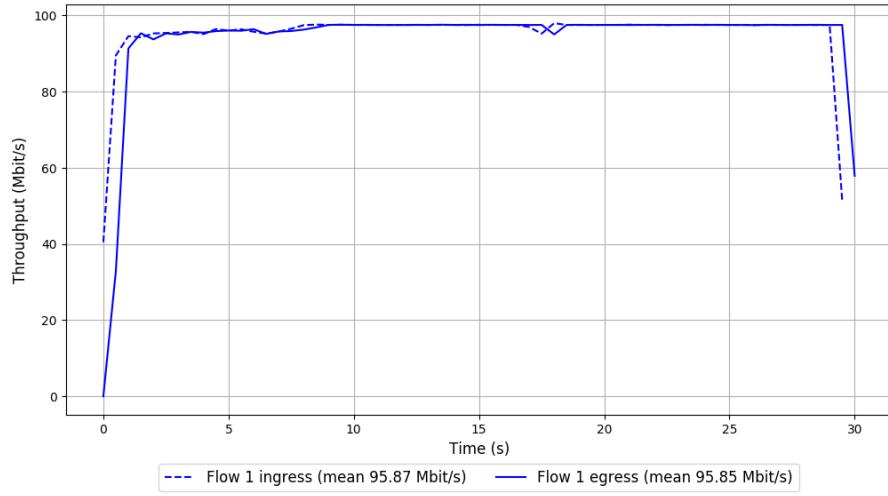
-- Flow 1:

Average throughput: 95.85 Mbit/s

95th percentile per-packet one-way delay: 32.725 ms

Loss rate: 0.00%

Run 2: Report of Muses_DecisionTree — Data Link

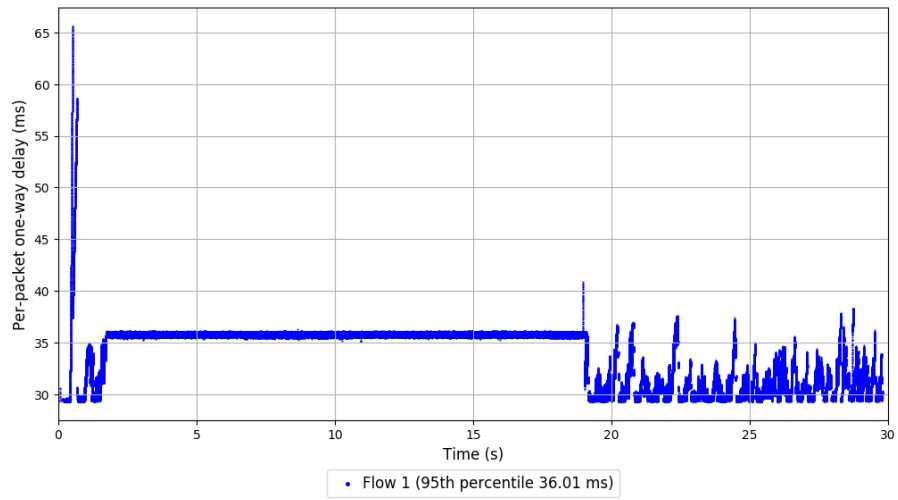
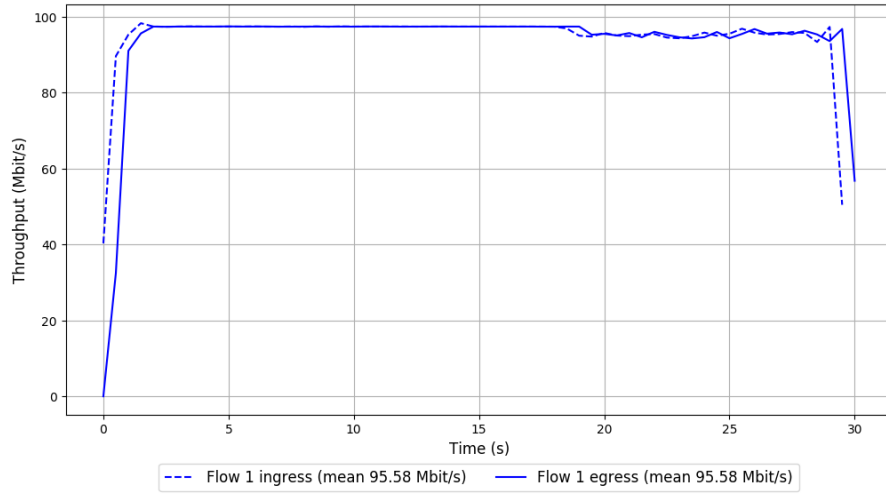


Run 3: Statistics of Muses_DecisionTree

Start at: 2020-02-17 22:43:31
End at: 2020-02-17 22:44:01
Local clock offset: 3.263 ms
Remote clock offset: -2.722 ms

Below is generated by plot.py at 2020-02-17 23:55:11
Datalink statistics
-- Total of 1 flow:
Average throughput: 95.58 Mbit/s
95th percentile per-packet one-way delay: 36.012 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 95.58 Mbit/s
95th percentile per-packet one-way delay: 36.012 ms
Loss rate: 0.00%

Run 3: Report of Muses_DecisionTree — Data Link

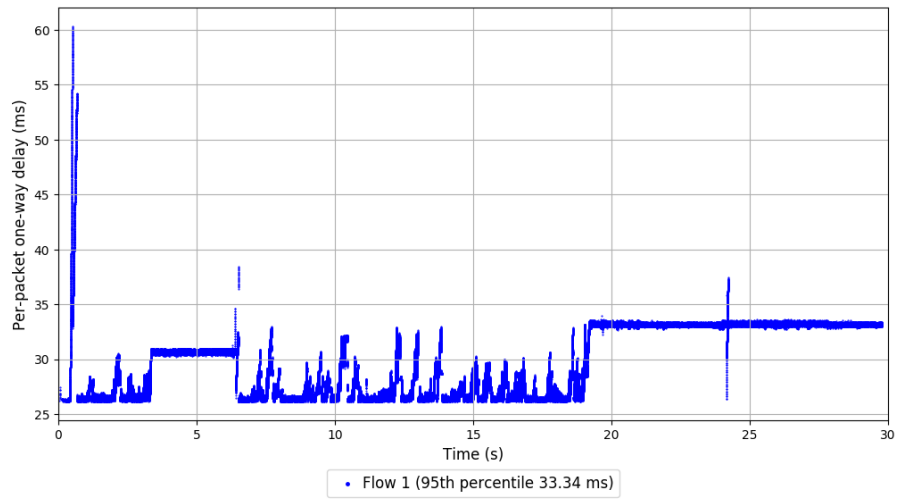
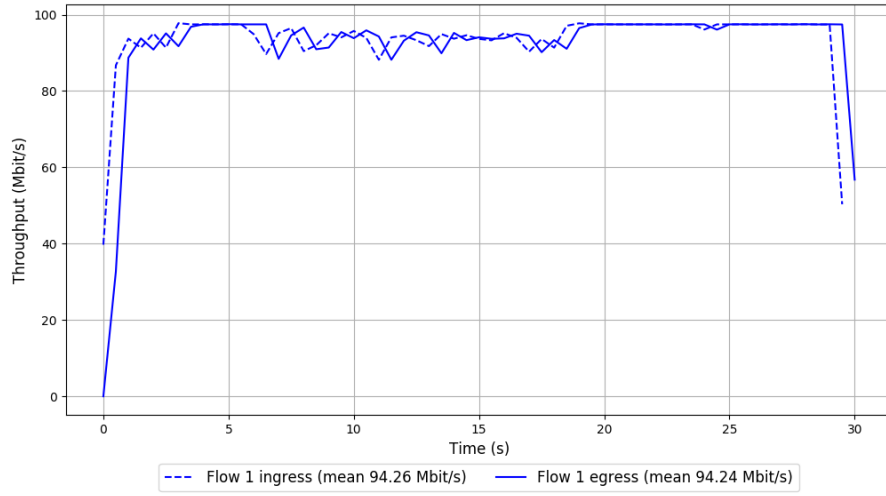


Run 4: Statistics of Muses_DecisionTree

Start at: 2020-02-17 23:10:44
End at: 2020-02-17 23:11:14
Local clock offset: 5.792 ms
Remote clock offset: -3.892 ms

Below is generated by plot.py at 2020-02-17 23:55:15
Datalink statistics
-- Total of 1 flow:
Average throughput: 94.24 Mbit/s
95th percentile per-packet one-way delay: 33.335 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 94.24 Mbit/s
95th percentile per-packet one-way delay: 33.335 ms
Loss rate: 0.00%

Run 4: Report of Muses_DecisionTree — Data Link

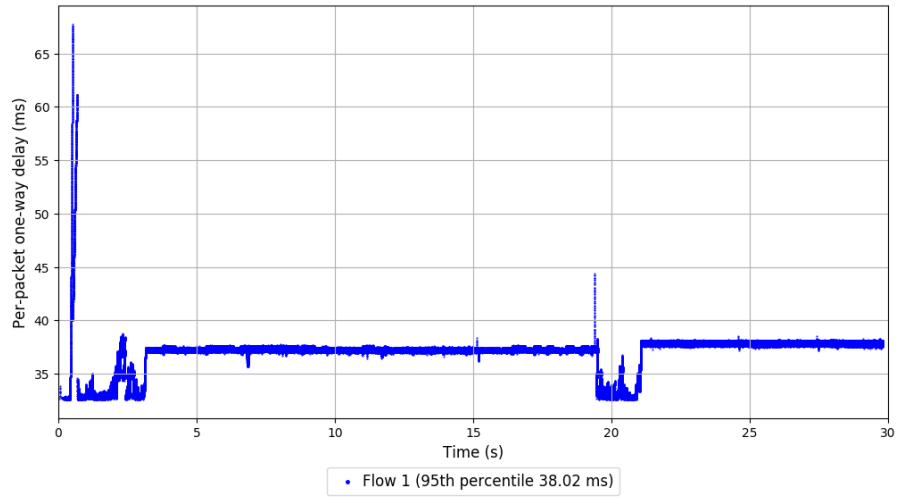
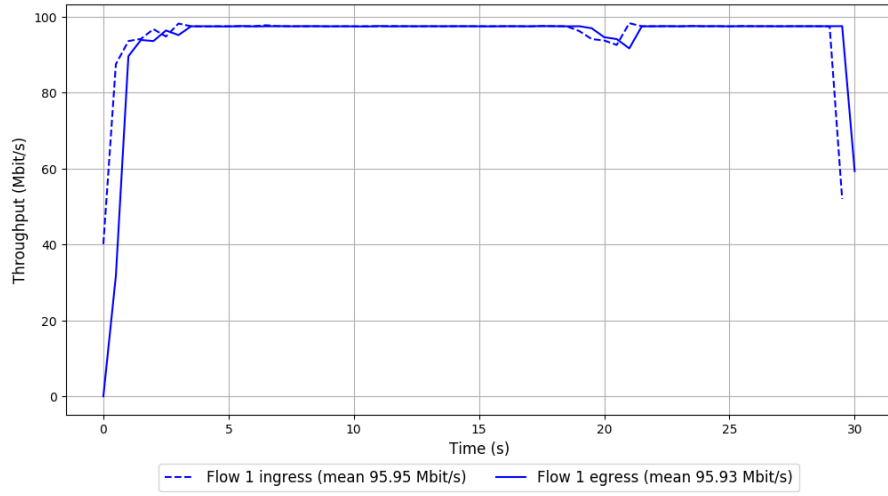


Run 5: Statistics of Muses_DecisionTree

Start at: 2020-02-17 23:37:57
End at: 2020-02-17 23:38:27
Local clock offset: 1.005 ms
Remote clock offset: -2.389 ms

Below is generated by plot.py at 2020-02-17 23:55:25
Datalink statistics
-- Total of 1 flow:
Average throughput: 95.93 Mbit/s
95th percentile per-packet one-way delay: 38.024 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 95.93 Mbit/s
95th percentile per-packet one-way delay: 38.024 ms
Loss rate: 0.01%

Run 5: Report of Muses_DecisionTree — Data Link

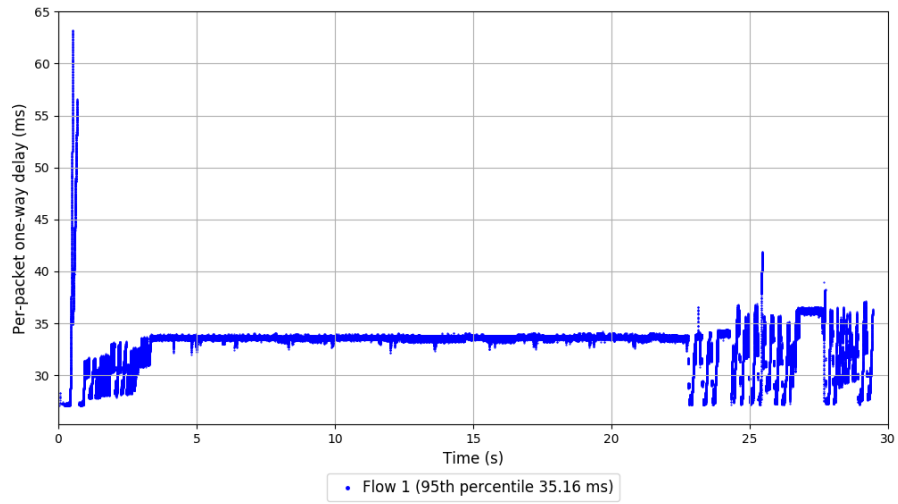
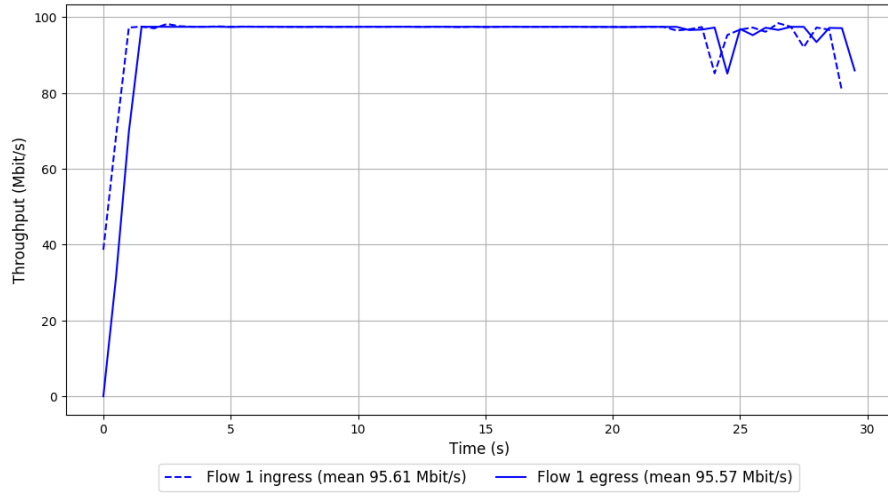


Run 1: Statistics of Muses_DecisionTreeH0

Start at: 2020-02-17 21:30:46
End at: 2020-02-17 21:31:16
Local clock offset: 4.756 ms
Remote clock offset: -2.613 ms

Below is generated by plot.py at 2020-02-17 23:55:30
Datalink statistics
-- Total of 1 flow:
Average throughput: 95.57 Mbit/s
95th percentile per-packet one-way delay: 35.159 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 95.57 Mbit/s
95th percentile per-packet one-way delay: 35.159 ms
Loss rate: 0.01%

Run 1: Report of Muses_DecisionTreeH0 — Data Link



Run 2: Statistics of Muses_DecisionTreeH0

Start at: 2020-02-17 21:58:05

End at: 2020-02-17 21:58:35

Local clock offset: 5.577 ms

Remote clock offset: 0.158 ms

Below is generated by plot.py at 2020-02-17 23:55:35

Datalink statistics

-- Total of 1 flow:

Average throughput: 95.10 Mbit/s

95th percentile per-packet one-way delay: 40.941 ms

Loss rate: 0.01%

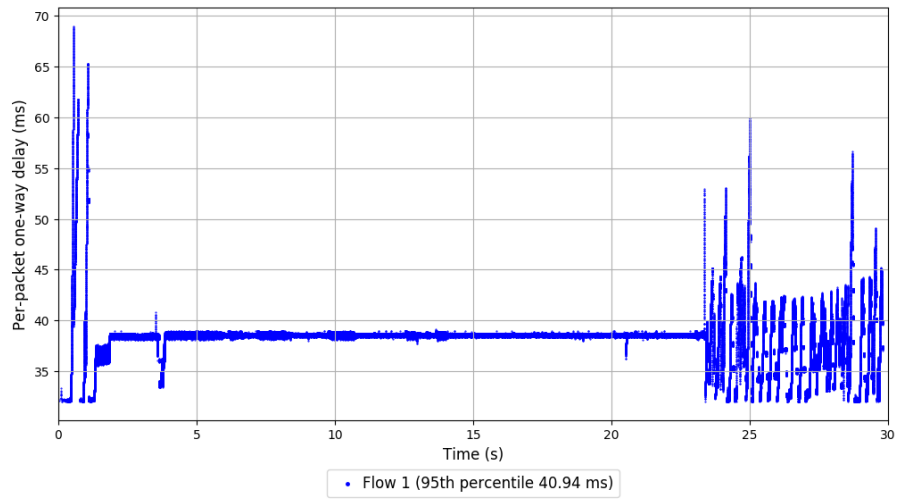
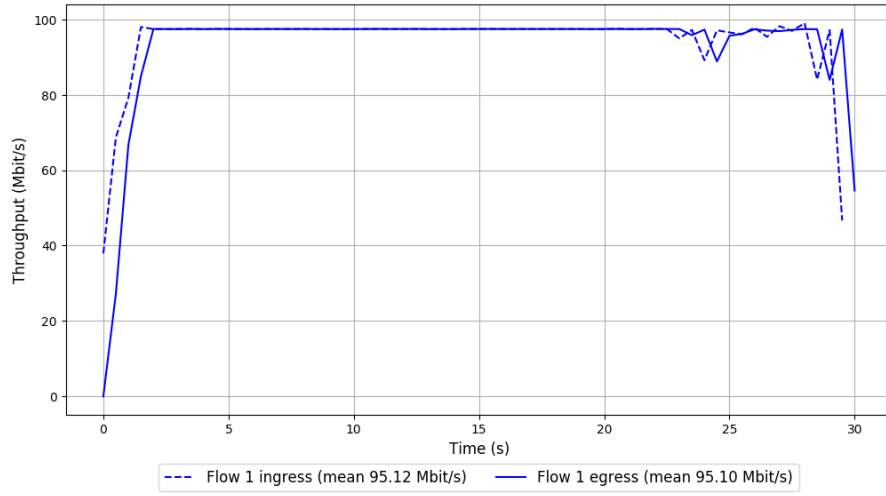
-- Flow 1:

Average throughput: 95.10 Mbit/s

95th percentile per-packet one-way delay: 40.941 ms

Loss rate: 0.01%

Run 2: Report of Muses_DecisionTreeH0 — Data Link



Run 3: Statistics of Muses_DecisionTreeH0

Start at: 2020-02-17 22:25:21

End at: 2020-02-17 22:25:51

Local clock offset: 8.169 ms

Remote clock offset: 0.965 ms

Below is generated by plot.py at 2020-02-17 23:55:38

Datalink statistics

-- Total of 1 flow:

Average throughput: 92.64 Mbit/s

95th percentile per-packet one-way delay: 43.060 ms

Loss rate: 0.40%

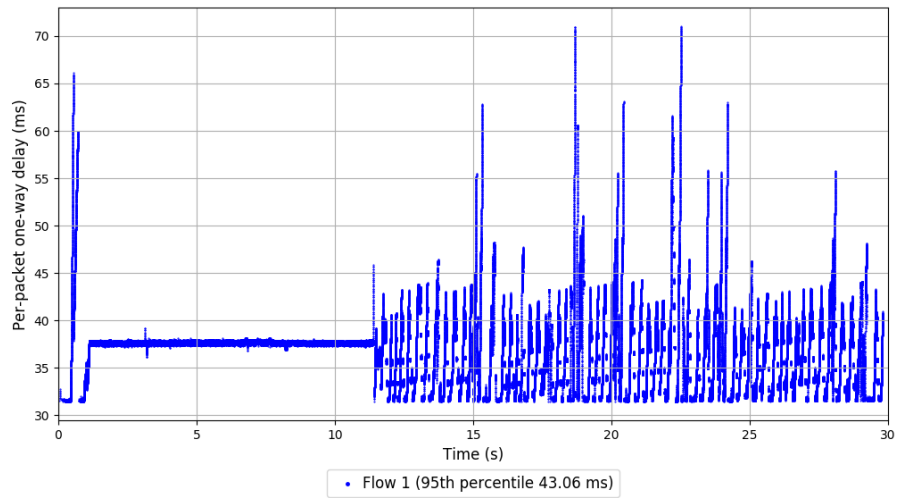
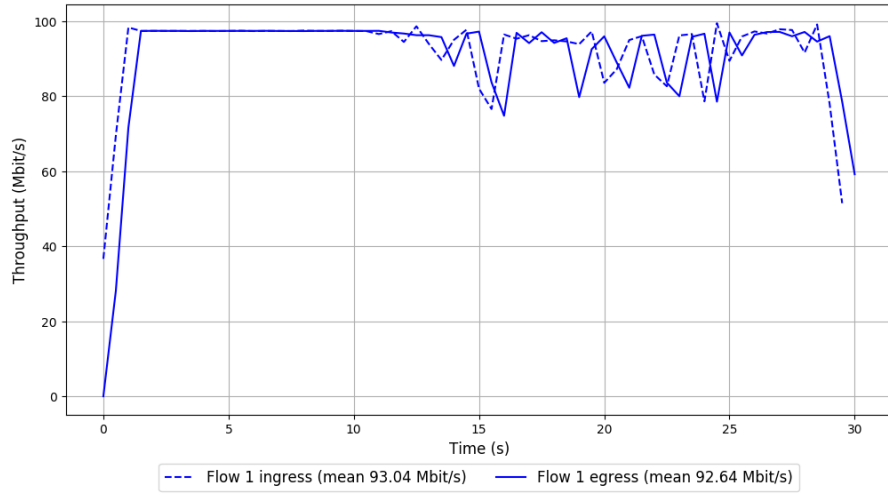
-- Flow 1:

Average throughput: 92.64 Mbit/s

95th percentile per-packet one-way delay: 43.060 ms

Loss rate: 0.40%

Run 3: Report of Muses_DecisionTreeH0 — Data Link

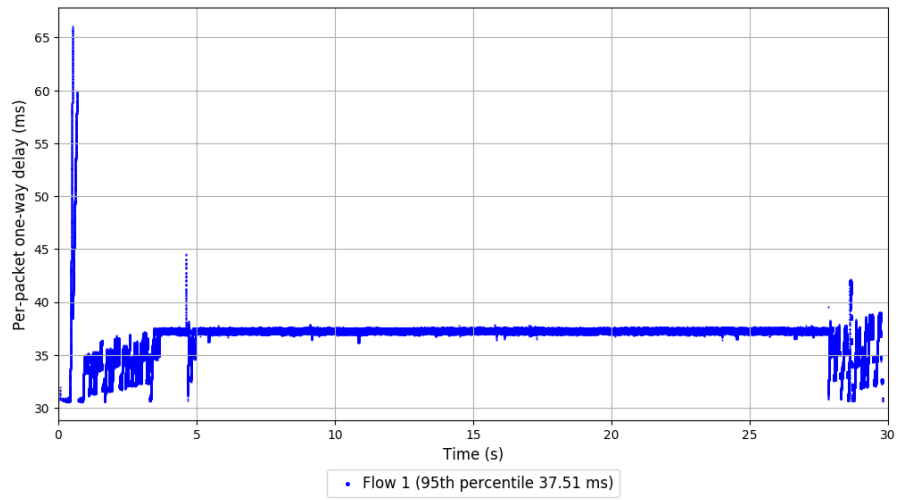
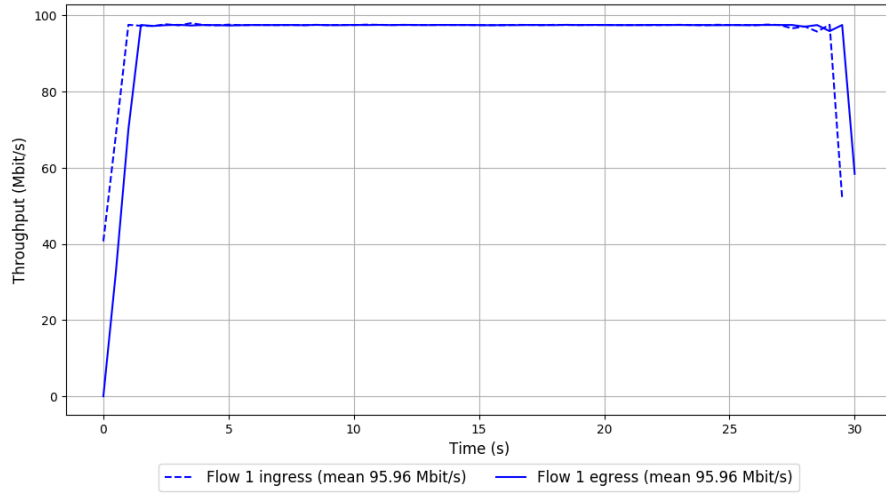


Run 4: Statistics of Muses_DecisionTreeH0

Start at: 2020-02-17 22:52:35
End at: 2020-02-17 22:53:05
Local clock offset: 2.498 ms
Remote clock offset: -2.484 ms

Below is generated by plot.py at 2020-02-17 23:56:07
Datalink statistics
-- Total of 1 flow:
Average throughput: 95.96 Mbit/s
95th percentile per-packet one-way delay: 37.511 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 95.96 Mbit/s
95th percentile per-packet one-way delay: 37.511 ms
Loss rate: 0.01%

Run 4: Report of Muses_DecisionTreeH0 — Data Link

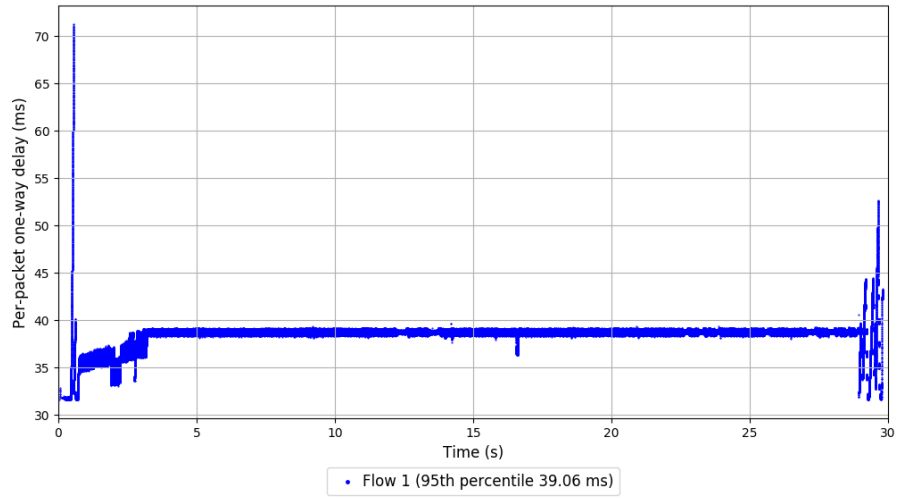
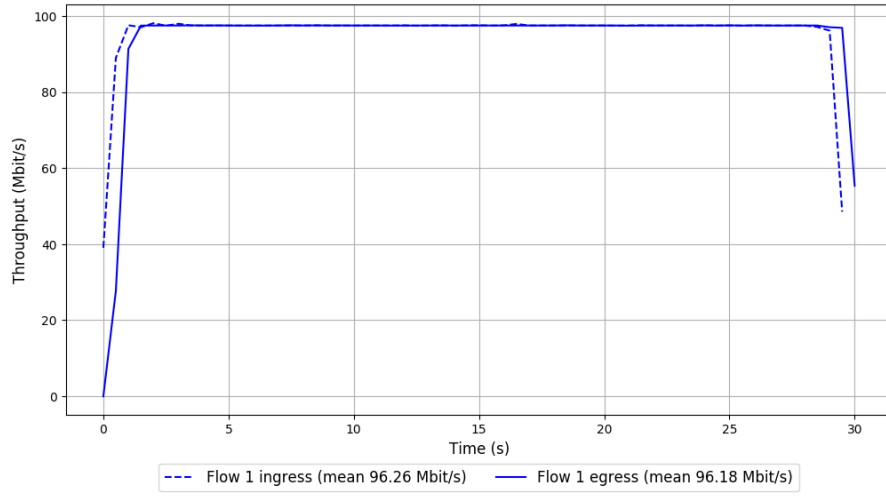


Run 5: Statistics of Muses_DecisionTreeH0

Start at: 2020-02-17 23:19:47
End at: 2020-02-17 23:20:17
Local clock offset: 6.26 ms
Remote clock offset: -0.505 ms

Below is generated by plot.py at 2020-02-17 23:56:14
Datalink statistics
-- Total of 1 flow:
Average throughput: 96.18 Mbit/s
95th percentile per-packet one-way delay: 39.061 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 96.18 Mbit/s
95th percentile per-packet one-way delay: 39.061 ms
Loss rate: 0.05%

Run 5: Report of Muses_DecisionTreeH0 — Data Link



Run 1: Statistics of Muses_DecisionTreeR0

Start at: 2020-02-17 21:51:11

End at: 2020-02-17 21:51:41

Local clock offset: 1.376 ms

Remote clock offset: 1.118 ms

Below is generated by plot.py at 2020-02-17 23:56:19

Datalink statistics

-- Total of 1 flow:

Average throughput: 95.89 Mbit/s

95th percentile per-packet one-way delay: 39.699 ms

Loss rate: 0.00%

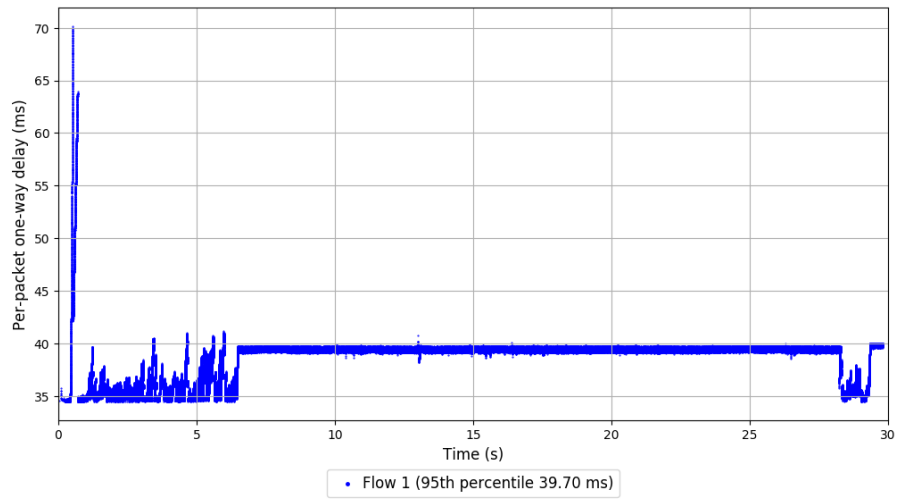
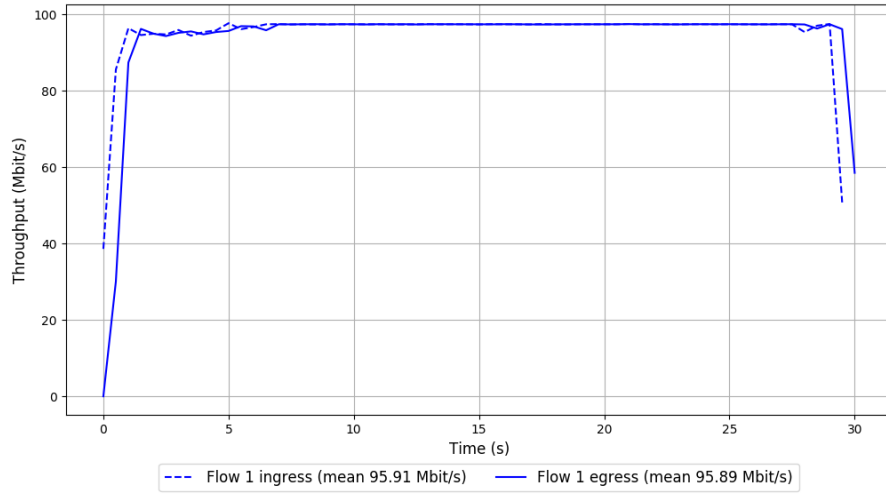
-- Flow 1:

Average throughput: 95.89 Mbit/s

95th percentile per-packet one-way delay: 39.699 ms

Loss rate: 0.00%

Run 1: Report of Muses_DecisionTreeR0 — Data Link



Run 2: Statistics of Muses_DecisionTreeR0

Start at: 2020-02-17 22:18:31

End at: 2020-02-17 22:19:01

Local clock offset: 2.834 ms

Remote clock offset: 1.215 ms

Below is generated by plot.py at 2020-02-17 23:56:23

Datalink statistics

-- Total of 1 flow:

Average throughput: 95.79 Mbit/s

95th percentile per-packet one-way delay: 41.387 ms

Loss rate: 0.00%

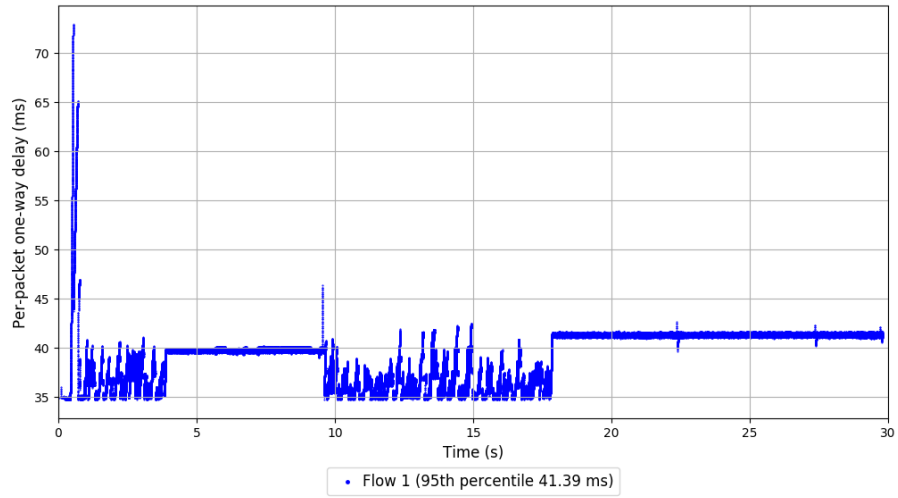
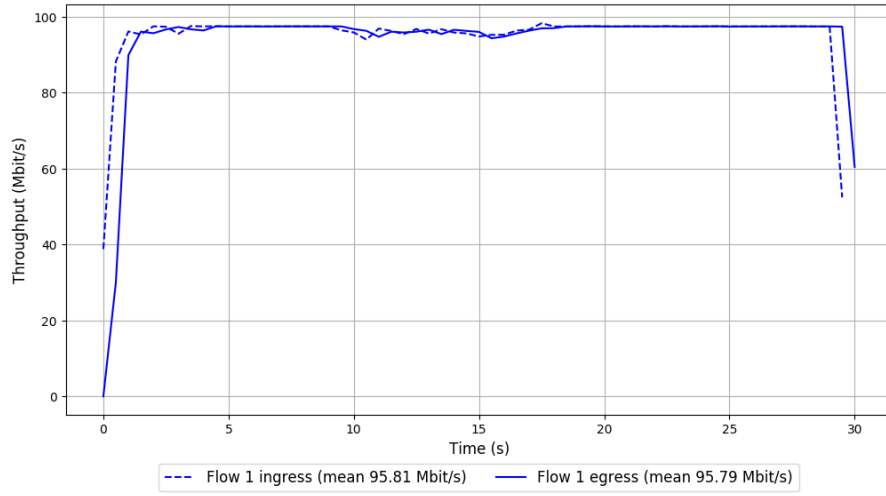
-- Flow 1:

Average throughput: 95.79 Mbit/s

95th percentile per-packet one-way delay: 41.387 ms

Loss rate: 0.00%

Run 2: Report of Muses_DecisionTreeR0 — Data Link

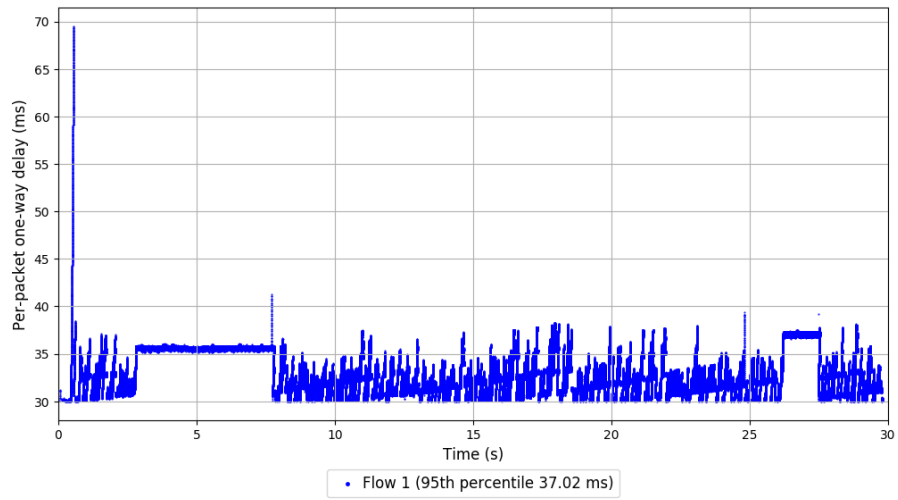
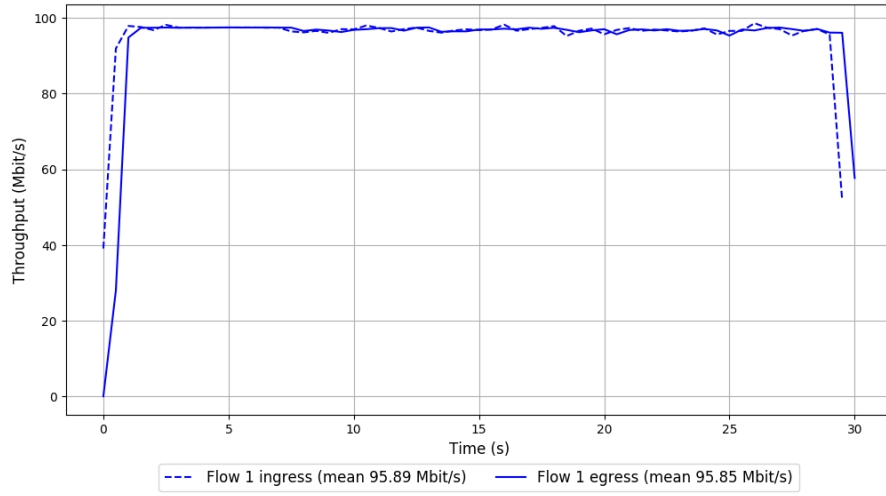


Run 3: Statistics of Muses_DecisionTreeR0

Start at: 2020-02-17 22:45:46
End at: 2020-02-17 22:46:16
Local clock offset: 5.854 ms
Remote clock offset: -2.191 ms

Below is generated by plot.py at 2020-02-17 23:56:33
Datalink statistics
-- Total of 1 flow:
Average throughput: 95.85 Mbit/s
95th percentile per-packet one-way delay: 37.020 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 95.85 Mbit/s
95th percentile per-packet one-way delay: 37.020 ms
Loss rate: 0.04%

Run 3: Report of Muses_DecisionTreeR0 — Data Link



Run 4: Statistics of Muses_DecisionTreeR0

Start at: 2020-02-17 23:12:58

End at: 2020-02-17 23:13:28

Local clock offset: 1.92 ms

Remote clock offset: -3.37 ms

Below is generated by plot.py at 2020-02-17 23:56:40

Datalink statistics

-- Total of 1 flow:

Average throughput: 94.45 Mbit/s

95th percentile per-packet one-way delay: 34.394 ms

Loss rate: 0.00%

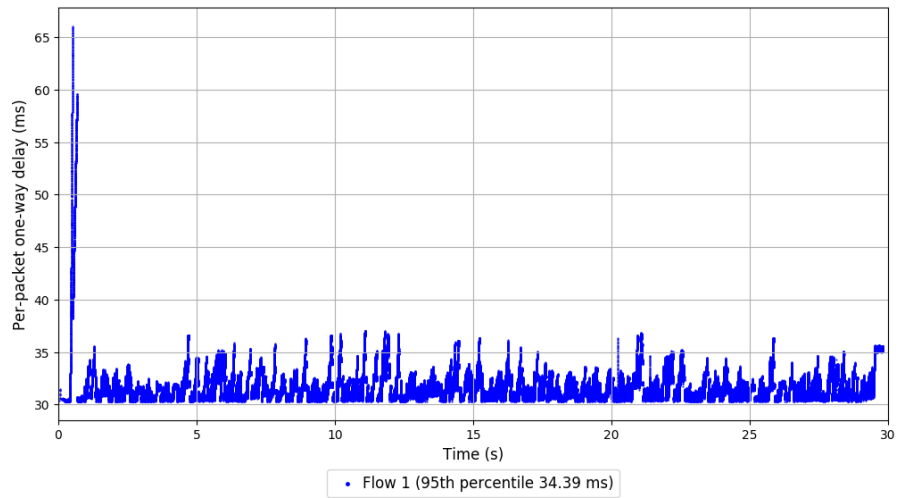
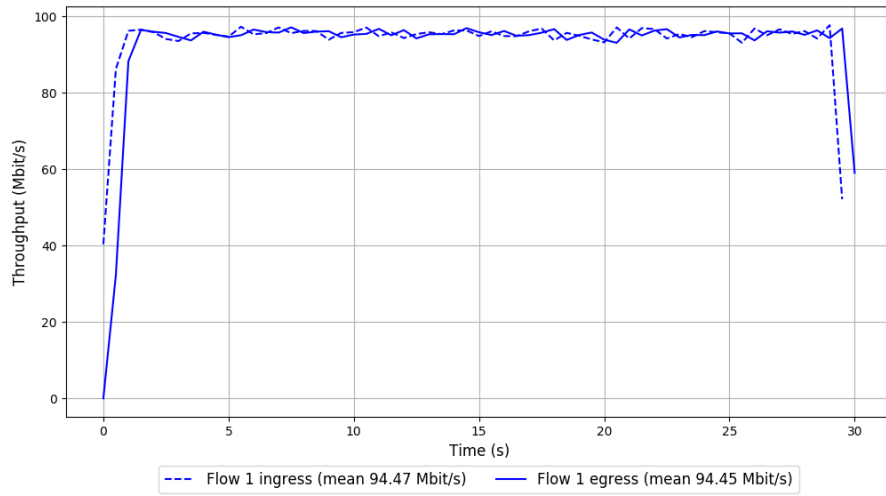
-- Flow 1:

Average throughput: 94.45 Mbit/s

95th percentile per-packet one-way delay: 34.394 ms

Loss rate: 0.00%

Run 4: Report of Muses_DecisionTreeR0 — Data Link

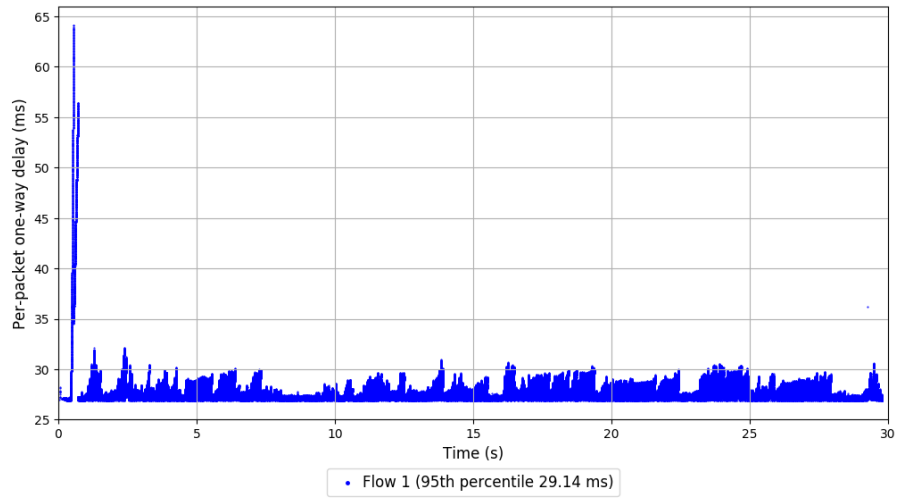
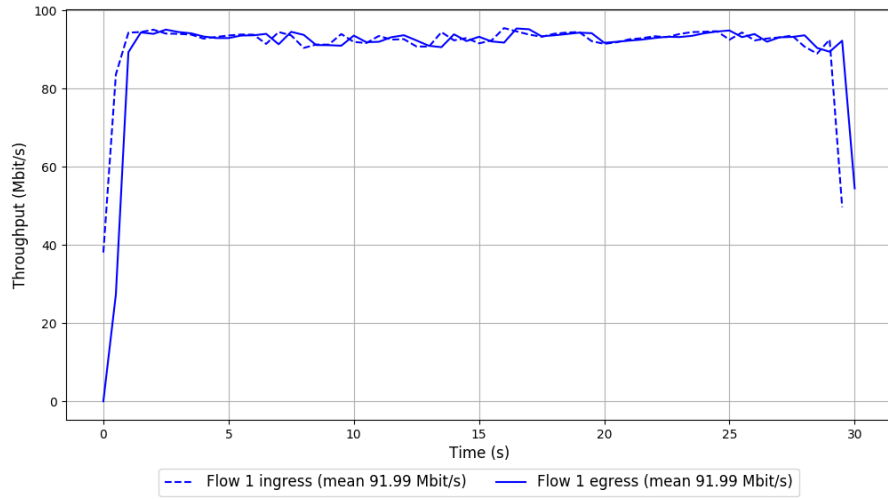


Run 5: Statistics of Muses_DecisionTreeR0

Start at: 2020-02-17 23:40:12
End at: 2020-02-17 23:40:42
Local clock offset: 5.27 ms
Remote clock offset: -6.948 ms

Below is generated by plot.py at 2020-02-17 23:56:44
Datalink statistics
-- Total of 1 flow:
Average throughput: 91.99 Mbit/s
95th percentile per-packet one-way delay: 29.145 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 91.99 Mbit/s
95th percentile per-packet one-way delay: 29.145 ms
Loss rate: 0.01%

Run 5: Report of Muses_DecisionTreeR0 — Data Link



Run 1: Statistics of PCC-Allegro

Start at: 2020-02-17 21:53:29

End at: 2020-02-17 21:53:59

Local clock offset: 2.492 ms

Remote clock offset: -0.925 ms

Below is generated by plot.py at 2020-02-17 23:56:47

Datalink statistics

-- Total of 1 flow:

Average throughput: 91.55 Mbit/s

95th percentile per-packet one-way delay: 37.423 ms

Loss rate: 0.49%

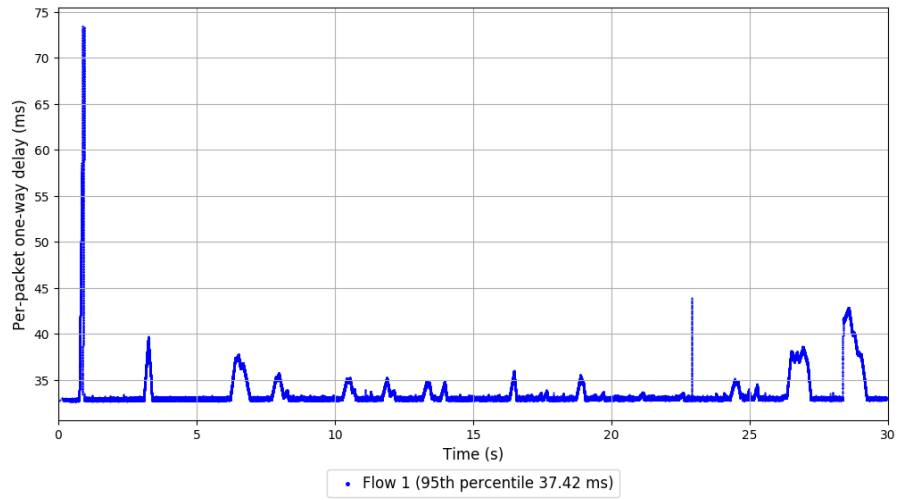
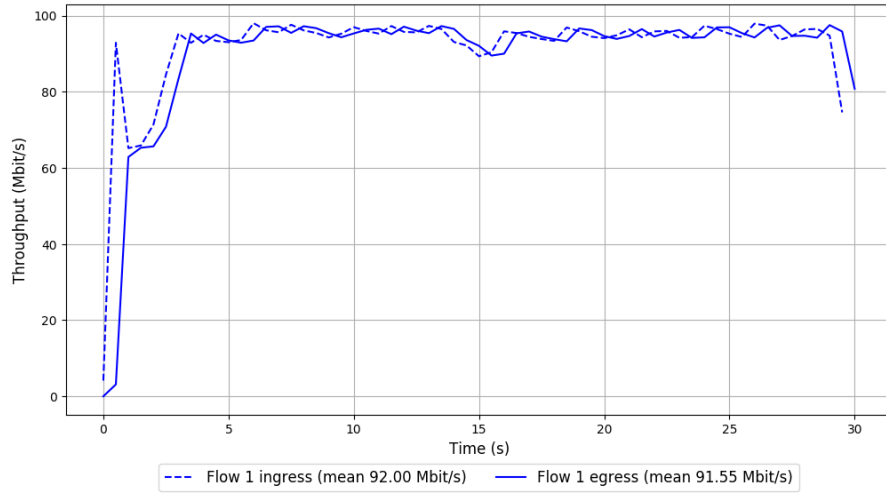
-- Flow 1:

Average throughput: 91.55 Mbit/s

95th percentile per-packet one-way delay: 37.423 ms

Loss rate: 0.49%

Run 1: Report of PCC-Allegro — Data Link



Run 2: Statistics of PCC-Allegro

Start at: 2020-02-17 22:20:50

End at: 2020-02-17 22:21:20

Local clock offset: 6.506 ms

Remote clock offset: -2.181 ms

Below is generated by plot.py at 2020-02-17 23:57:16

Datalink statistics

-- Total of 1 flow:

Average throughput: 91.37 Mbit/s

95th percentile per-packet one-way delay: 35.766 ms

Loss rate: 0.58%

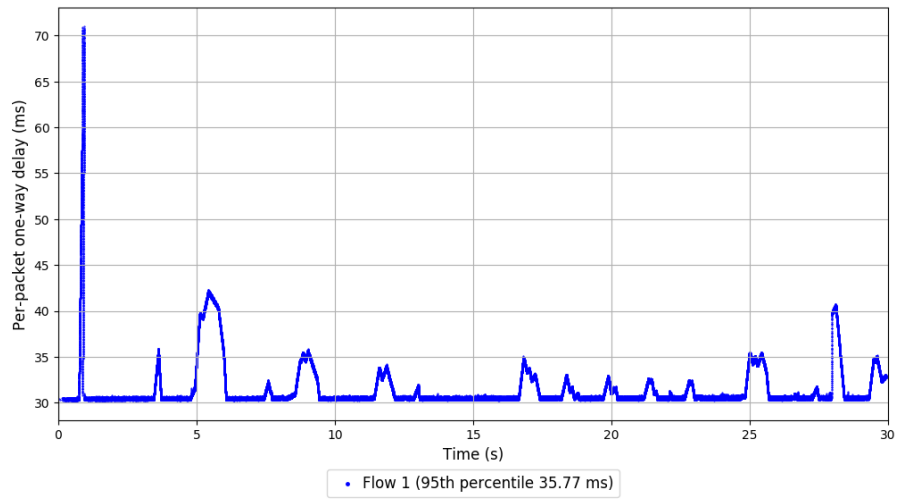
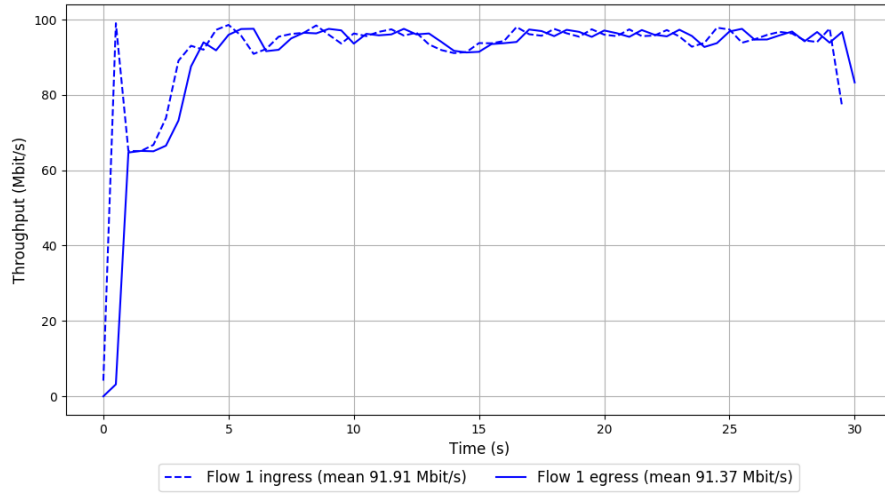
-- Flow 1:

Average throughput: 91.37 Mbit/s

95th percentile per-packet one-way delay: 35.766 ms

Loss rate: 0.58%

Run 2: Report of PCC-Allegro — Data Link



Run 3: Statistics of PCC-Allegro

Start at: 2020-02-17 22:48:04

End at: 2020-02-17 22:48:34

Local clock offset: 5.78 ms

Remote clock offset: -4.823 ms

Below is generated by plot.py at 2020-02-17 23:57:23

Datalink statistics

-- Total of 1 flow:

Average throughput: 91.98 Mbit/s

95th percentile per-packet one-way delay: 30.137 ms

Loss rate: 0.52%

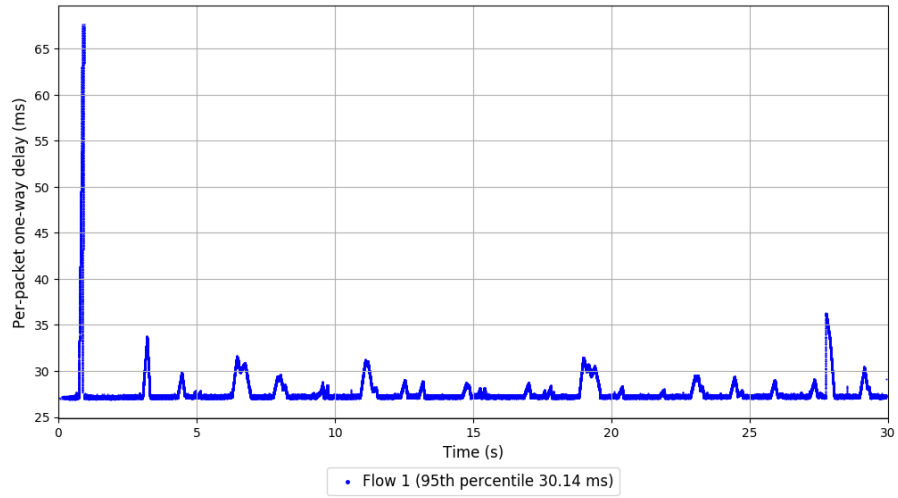
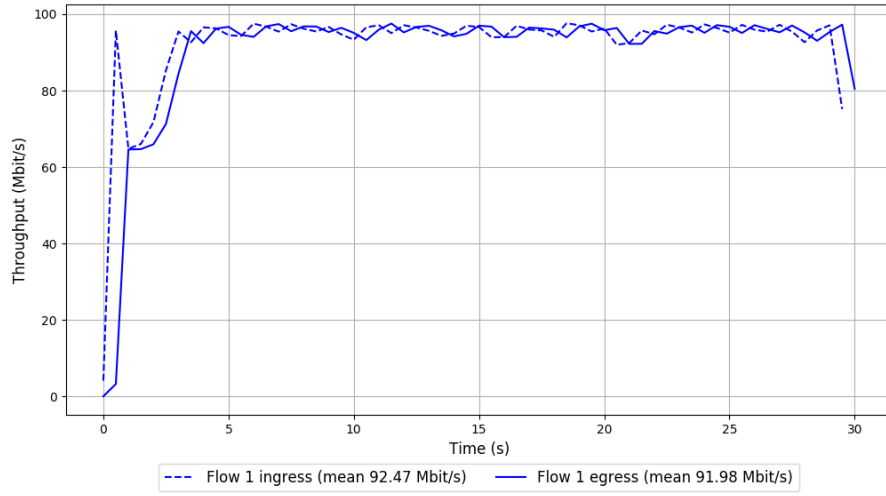
-- Flow 1:

Average throughput: 91.98 Mbit/s

95th percentile per-packet one-way delay: 30.137 ms

Loss rate: 0.52%

Run 3: Report of PCC-Allegro — Data Link



Run 4: Statistics of PCC-Allegro

Start at: 2020-02-17 23:15:16

End at: 2020-02-17 23:15:46

Local clock offset: 1.24 ms

Remote clock offset: -3.7 ms

Below is generated by plot.py at 2020-02-17 23:57:30

Datalink statistics

-- Total of 1 flow:

Average throughput: 91.68 Mbit/s

95th percentile per-packet one-way delay: 37.460 ms

Loss rate: 0.54%

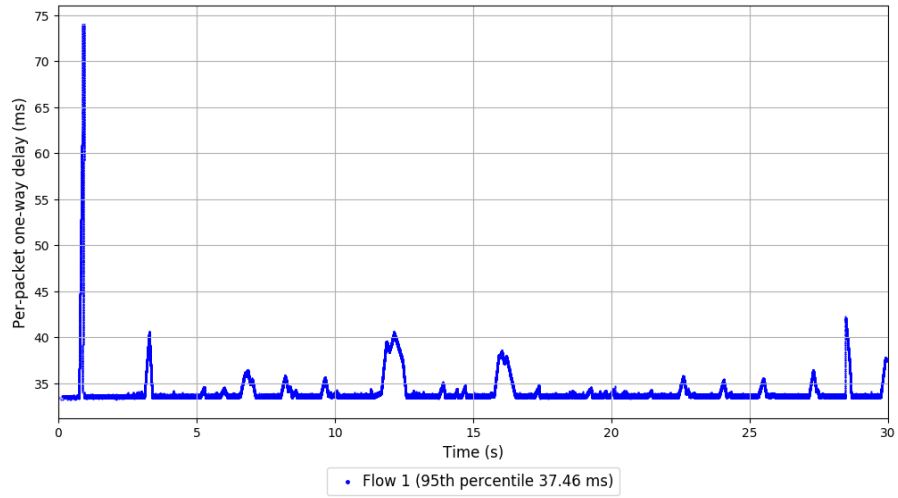
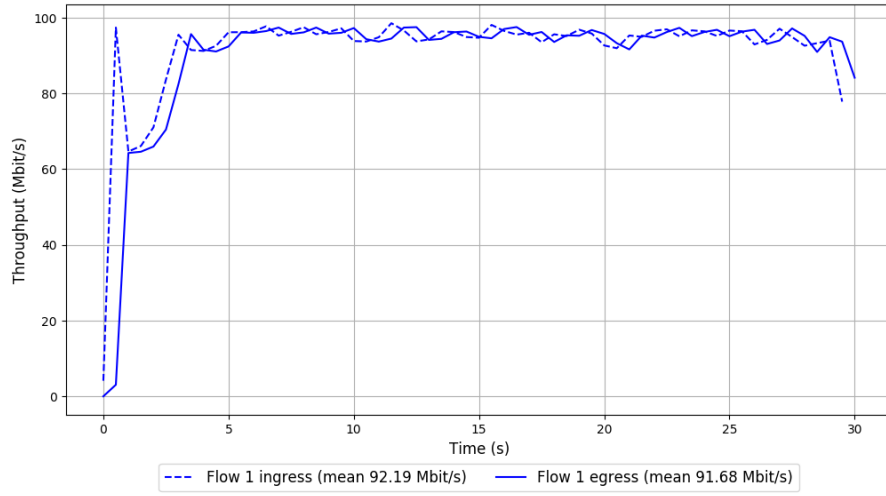
-- Flow 1:

Average throughput: 91.68 Mbit/s

95th percentile per-packet one-way delay: 37.460 ms

Loss rate: 0.54%

Run 4: Report of PCC-Allegro — Data Link



Run 5: Statistics of PCC-Allegro

Start at: 2020-02-17 23:42:30

End at: 2020-02-17 23:43:00

Local clock offset: 5.084 ms

Remote clock offset: -5.748 ms

Below is generated by plot.py at 2020-02-17 23:57:36

Datalink statistics

-- Total of 1 flow:

Average throughput: 91.11 Mbit/s

95th percentile per-packet one-way delay: 27.869 ms

Loss rate: 0.49%

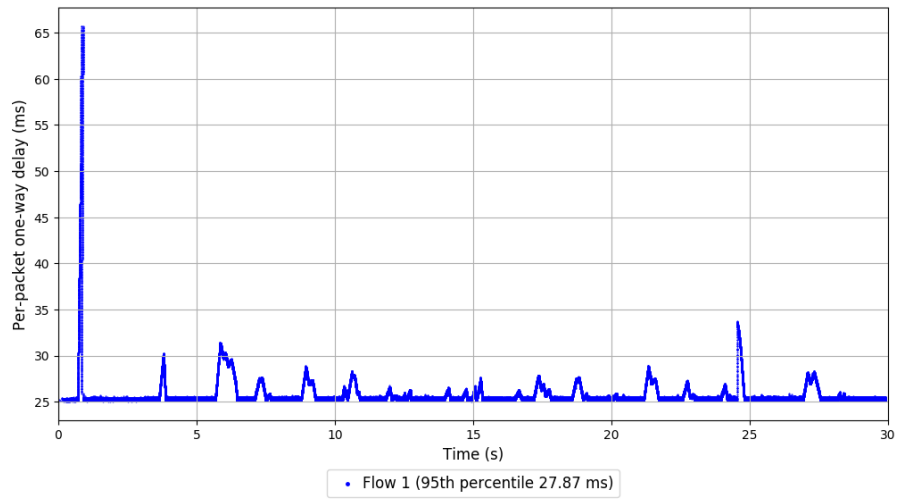
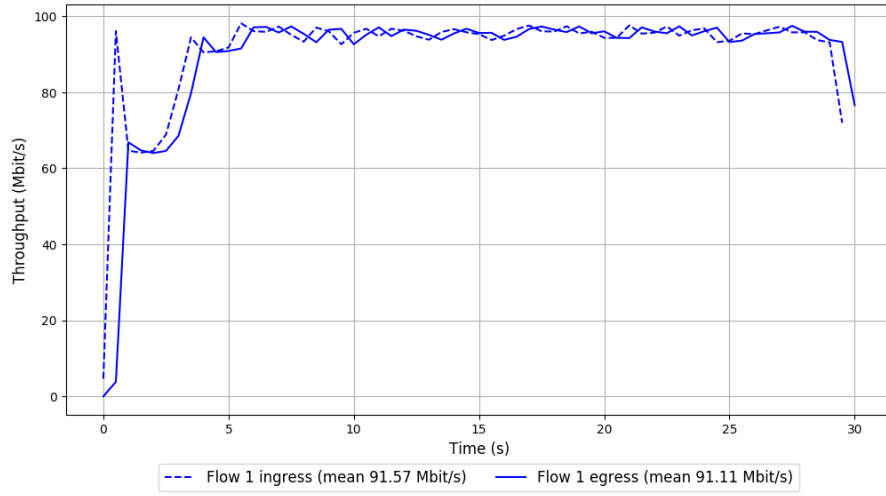
-- Flow 1:

Average throughput: 91.11 Mbit/s

95th percentile per-packet one-way delay: 27.869 ms

Loss rate: 0.49%

Run 5: Report of PCC-Allegro — Data Link



Run 1: Statistics of PCC-Expr

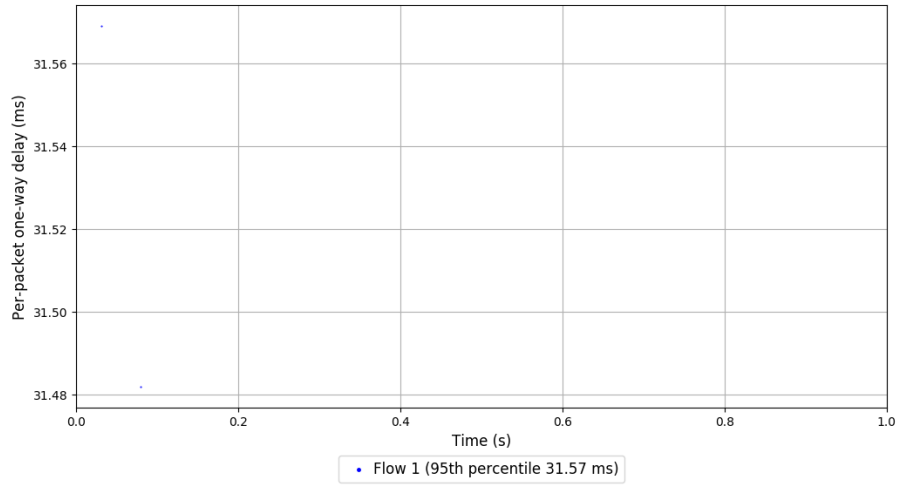
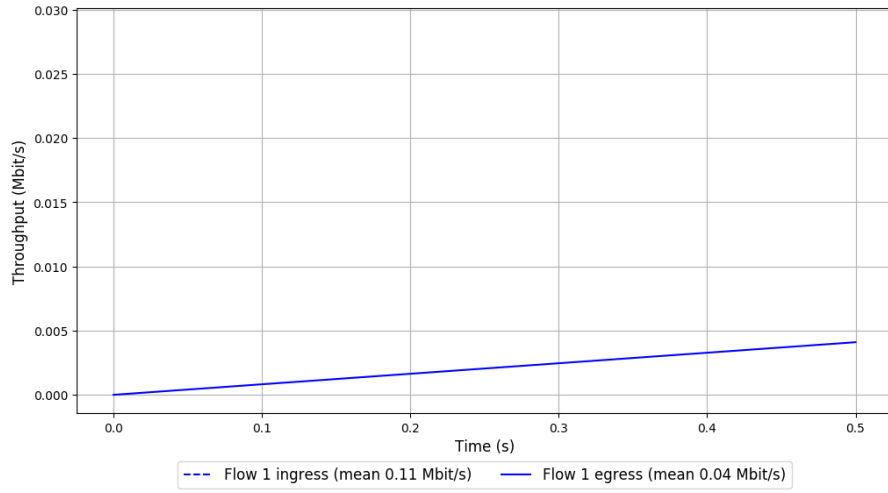
Start at: 2020-02-17 21:43:15

End at: 2020-02-17 21:43:45

Local clock offset: 1.799 ms

Remote clock offset: -1.138 ms

Run 1: Report of PCC-Expr — Data Link



Run 2: Statistics of PCC-Expr

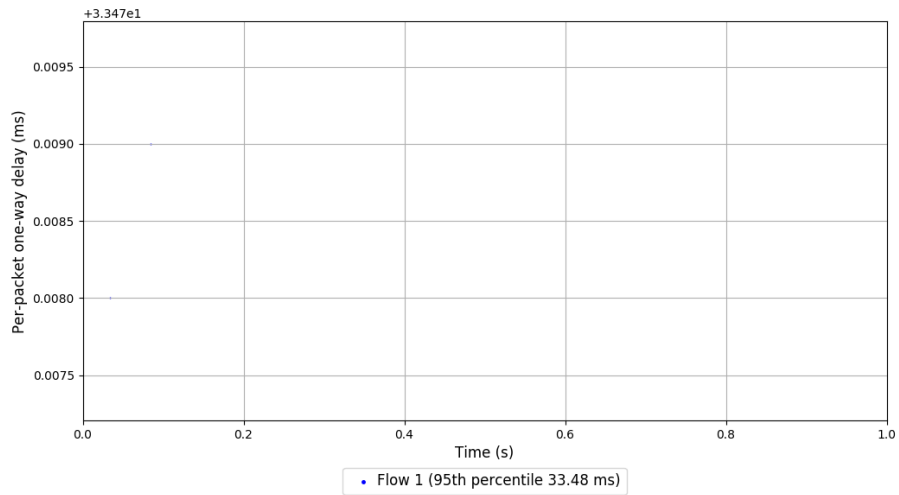
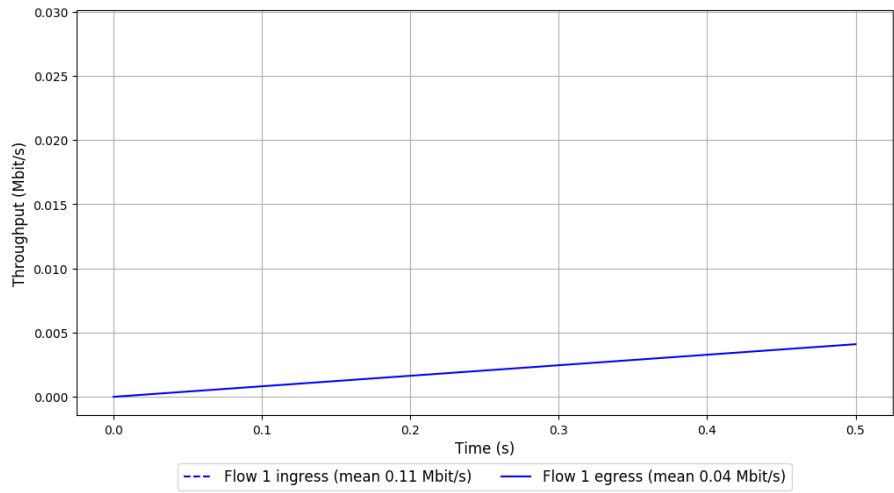
Start at: 2020-02-17 22:10:36

End at: 2020-02-17 22:11:06

Local clock offset: 1.761 ms

Remote clock offset: -2.569 ms

Run 2: Report of PCC-Expr — Data Link



Run 3: Statistics of PCC-Expr

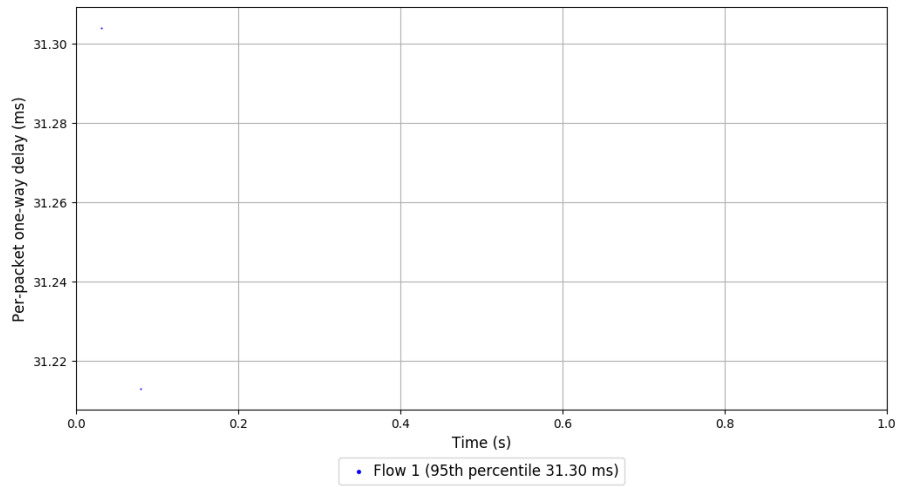
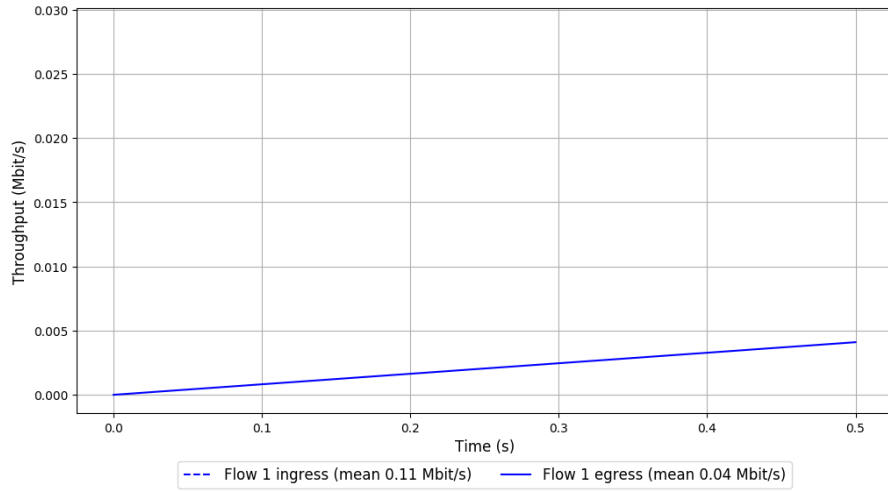
Start at: 2020-02-17 22:37:50

End at: 2020-02-17 22:38:20

Local clock offset: 2.563 ms

Remote clock offset: -1.966 ms

Run 3: Report of PCC-Expr — Data Link



Run 4: Statistics of PCC-Expr

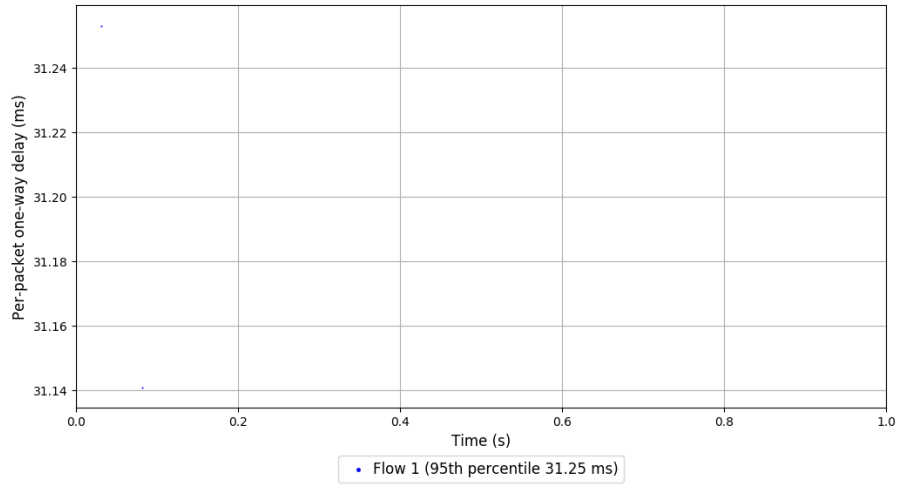
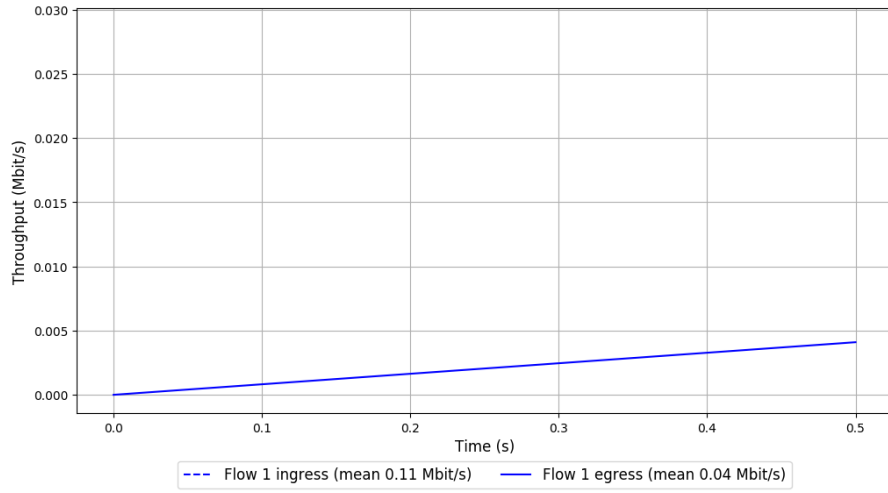
Start at: 2020-02-17 23:05:02

End at: 2020-02-17 23:05:32

Local clock offset: 5.476 ms

Remote clock offset: -1.078 ms

Run 4: Report of PCC-Expr — Data Link



Run 5: Statistics of PCC-Expr

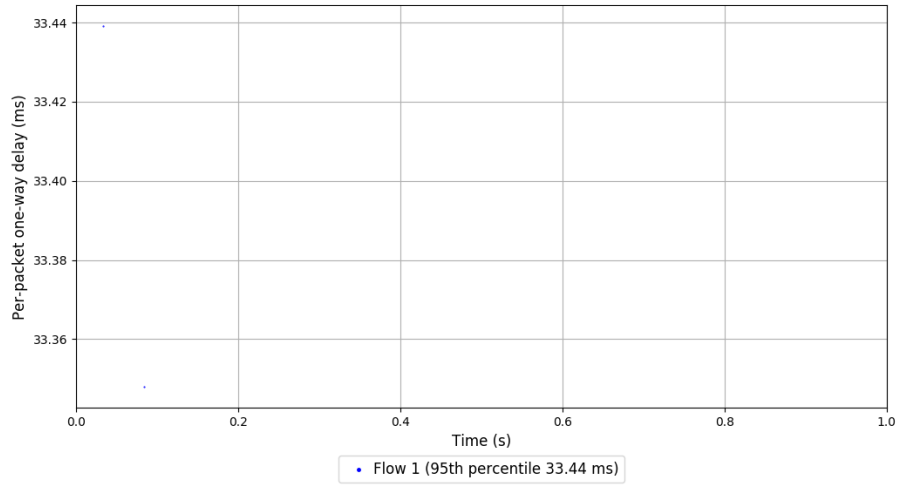
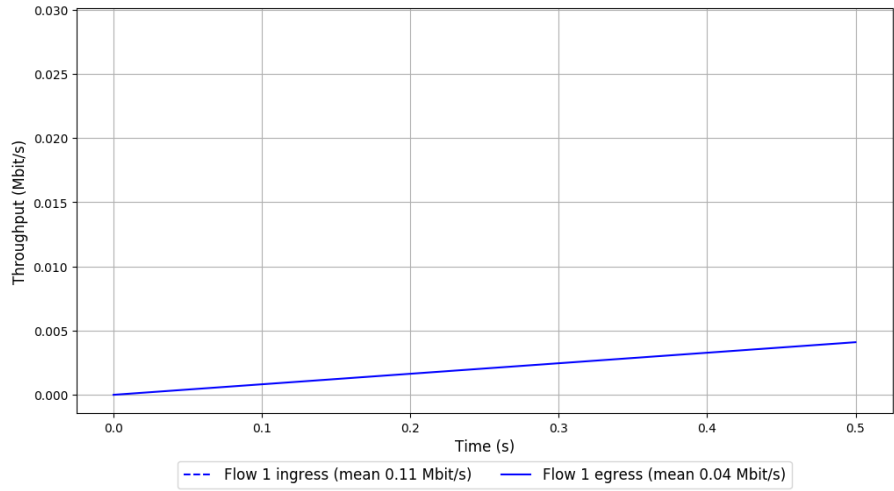
Start at: 2020-02-17 23:32:15

End at: 2020-02-17 23:32:45

Local clock offset: 0.899 ms

Remote clock offset: -4.126 ms

Run 5: Report of PCC-Expr — Data Link

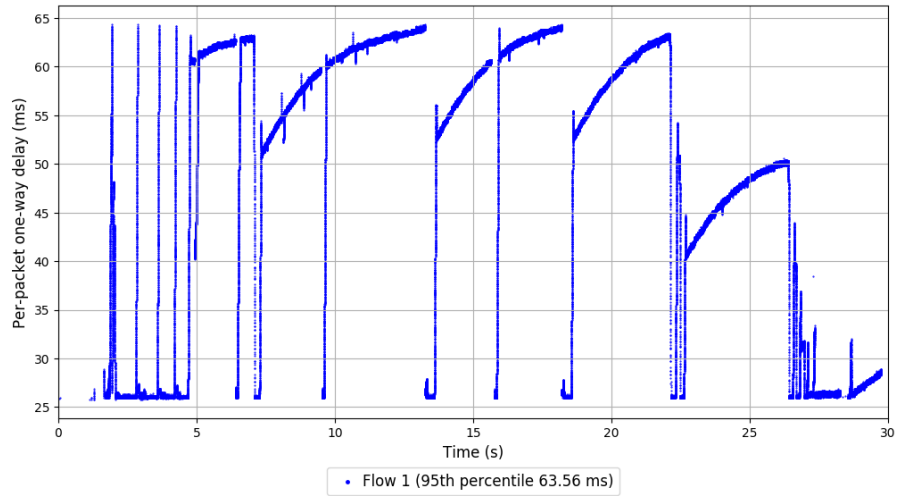
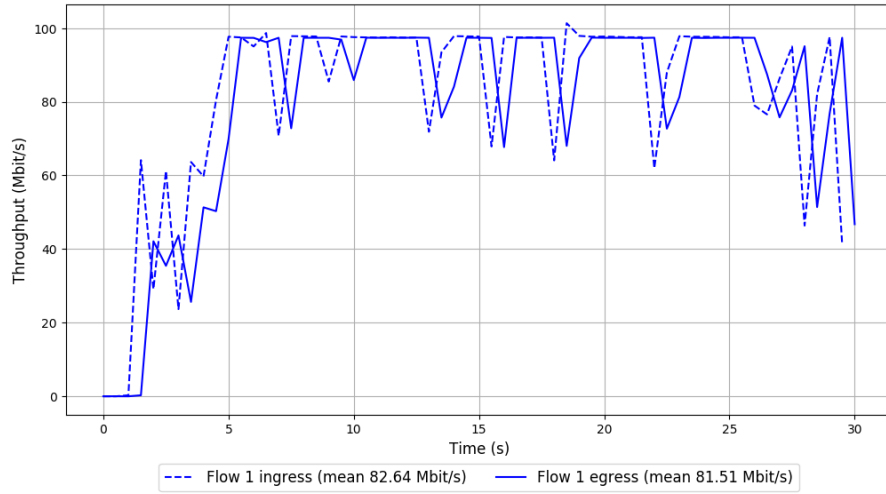


Run 1: Statistics of QUIC Cubic

Start at: 2020-02-17 21:54:37
End at: 2020-02-17 21:55:07
Local clock offset: 6.146 ms
Remote clock offset: -1.968 ms

Below is generated by plot.py at 2020-02-17 23:57:42
Datalink statistics
-- Total of 1 flow:
Average throughput: 81.51 Mbit/s
95th percentile per-packet one-way delay: 63.563 ms
Loss rate: 1.36%
-- Flow 1:
Average throughput: 81.51 Mbit/s
95th percentile per-packet one-way delay: 63.563 ms
Loss rate: 1.36%

Run 1: Report of QUIC Cubic — Data Link



Run 2: Statistics of QUIC Cubic

Start at: 2020-02-17 22:21:58

End at: 2020-02-17 22:22:28

Local clock offset: 7.108 ms

Remote clock offset: -2.697 ms

Below is generated by plot.py at 2020-02-17 23:57:52

Datalink statistics

-- Total of 1 flow:

Average throughput: 86.17 Mbit/s

95th percentile per-packet one-way delay: 63.867 ms

Loss rate: 1.31%

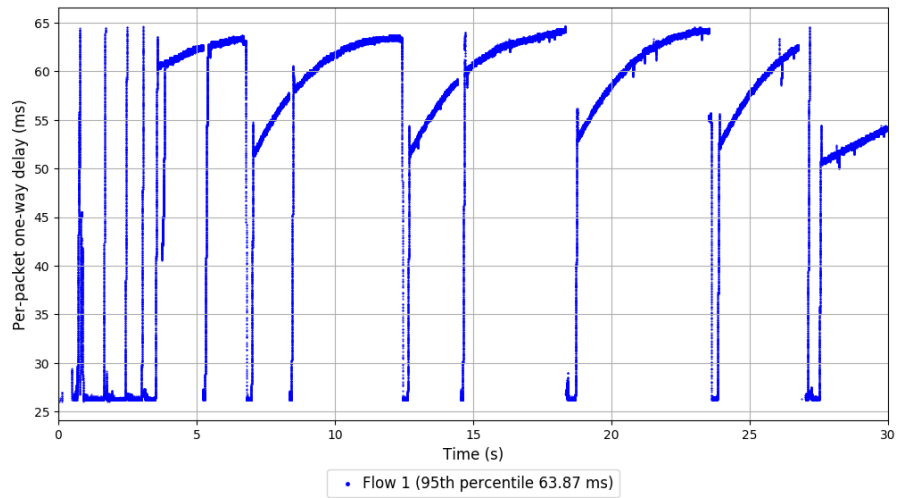
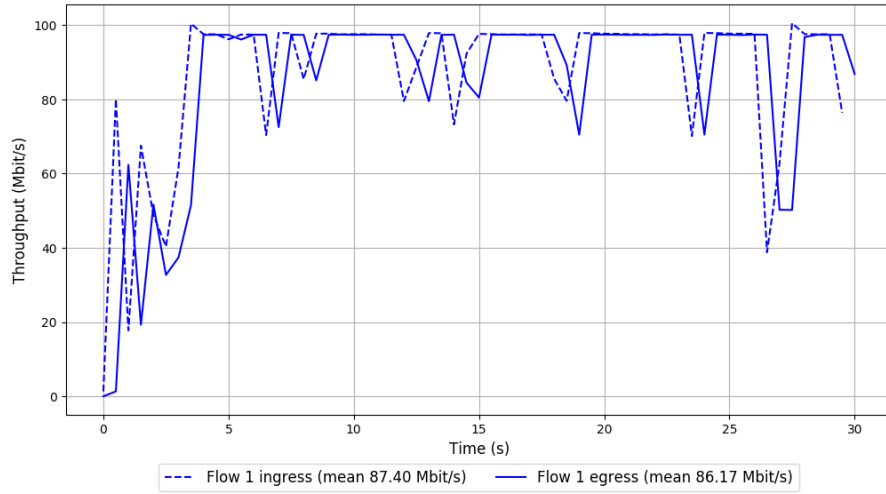
-- Flow 1:

Average throughput: 86.17 Mbit/s

95th percentile per-packet one-way delay: 63.867 ms

Loss rate: 1.31%

Run 2: Report of QUIC Cubic — Data Link



Run 3: Statistics of QUIC Cubic

Start at: 2020-02-17 22:49:12

End at: 2020-02-17 22:49:42

Local clock offset: 1.81 ms

Remote clock offset: -1.87 ms

Below is generated by plot.py at 2020-02-17 23:57:58

Datalink statistics

-- Total of 1 flow:

Average throughput: 86.02 Mbit/s

95th percentile per-packet one-way delay: 71.963 ms

Loss rate: 1.39%

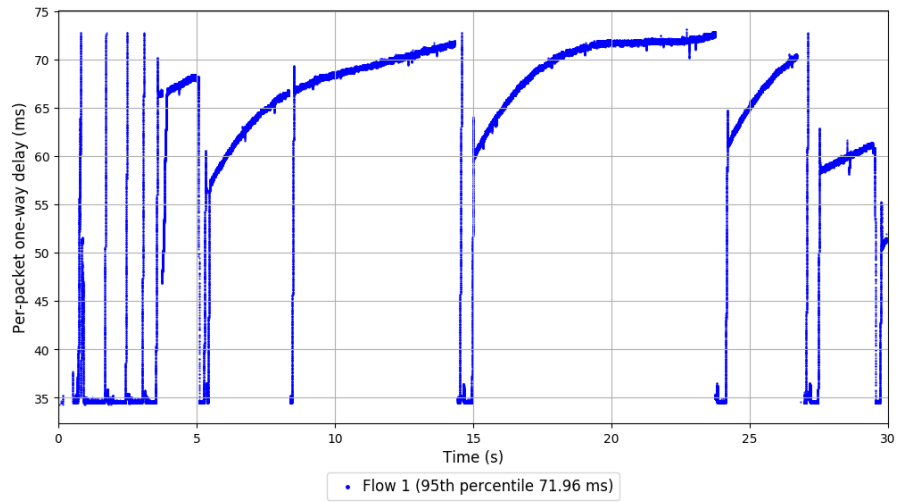
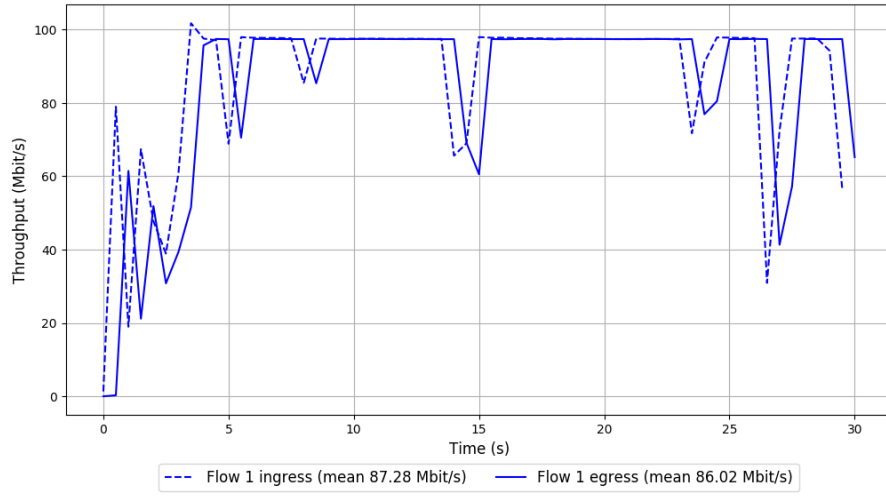
-- Flow 1:

Average throughput: 86.02 Mbit/s

95th percentile per-packet one-way delay: 71.963 ms

Loss rate: 1.39%

Run 3: Report of QUIC Cubic — Data Link



Run 4: Statistics of QUIC Cubic

Start at: 2020-02-17 23:16:24

End at: 2020-02-17 23:16:54

Local clock offset: 5.946 ms

Remote clock offset: -3.056 ms

Below is generated by plot.py at 2020-02-17 23:58:01

Datalink statistics

-- Total of 1 flow:

Average throughput: 86.07 Mbit/s

95th percentile per-packet one-way delay: 66.495 ms

Loss rate: 1.54%

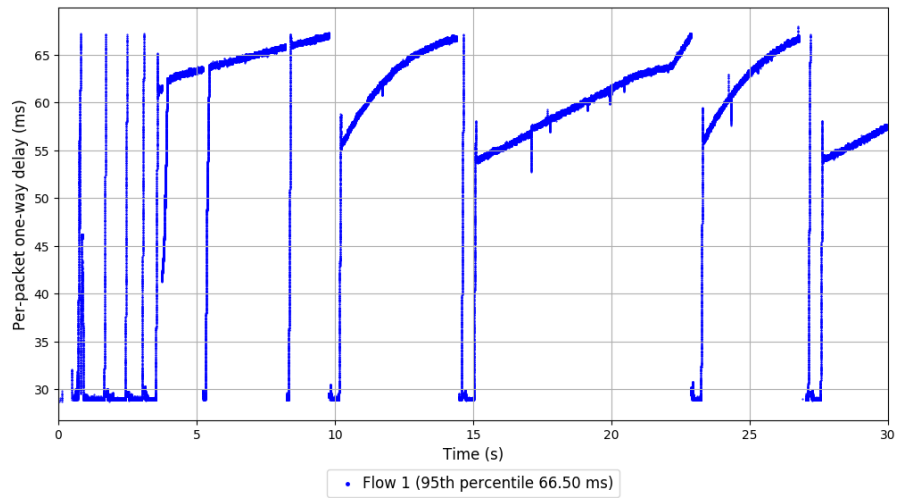
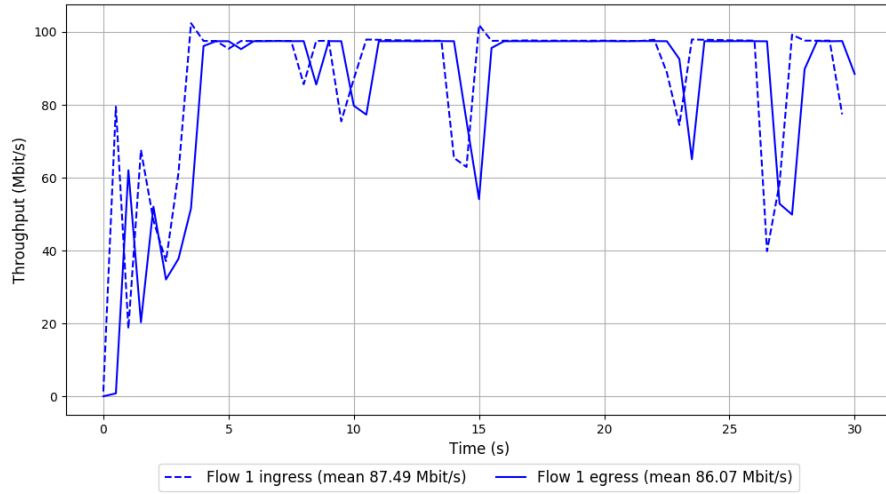
-- Flow 1:

Average throughput: 86.07 Mbit/s

95th percentile per-packet one-way delay: 66.495 ms

Loss rate: 1.54%

Run 4: Report of QUIC Cubic — Data Link



Run 5: Statistics of QUIC Cubic

Start at: 2020-02-17 23:43:38

End at: 2020-02-17 23:44:08

Local clock offset: 5.296 ms

Remote clock offset: -3.447 ms

Below is generated by plot.py at 2020-02-17 23:58:29

Datalink statistics

-- Total of 1 flow:

Average throughput: 85.19 Mbit/s

95th percentile per-packet one-way delay: 65.071 ms

Loss rate: 1.53%

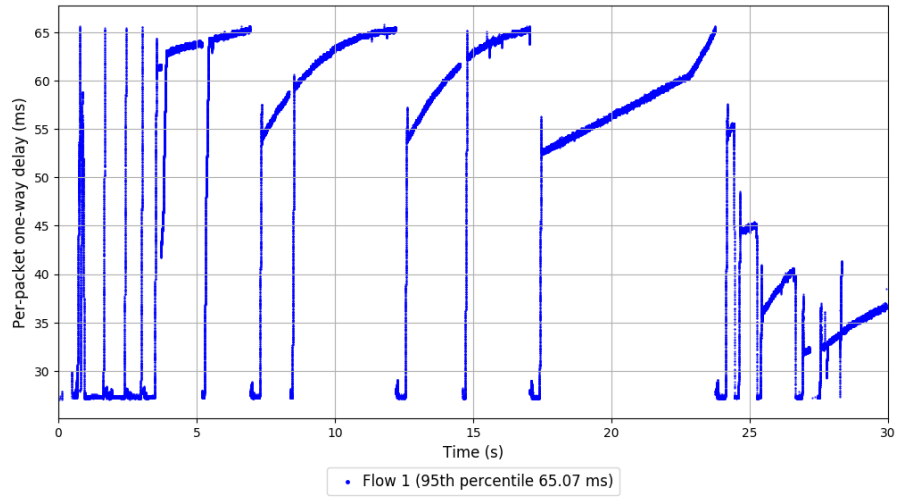
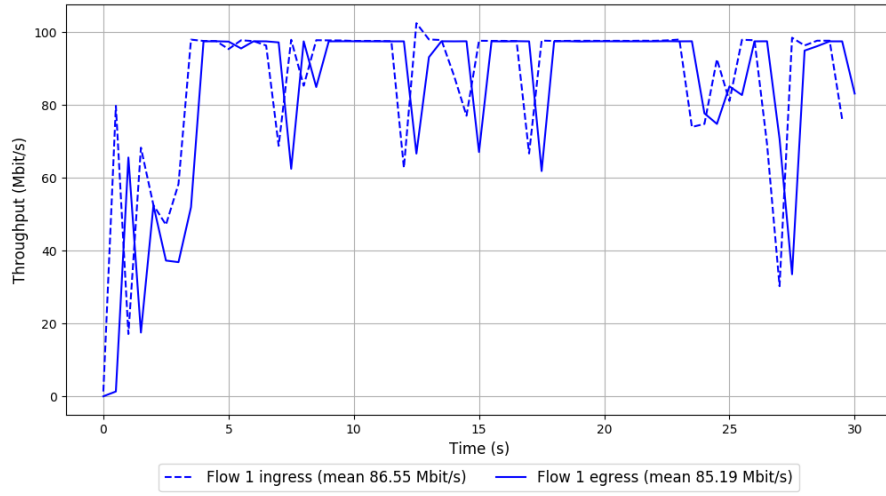
-- Flow 1:

Average throughput: 85.19 Mbit/s

95th percentile per-packet one-way delay: 65.071 ms

Loss rate: 1.53%

Run 5: Report of QUIC Cubic — Data Link



Run 1: Statistics of SCReAM

Start at: 2020-02-17 21:33:04

End at: 2020-02-17 21:33:34

Local clock offset: 1.884 ms

Remote clock offset: -2.746 ms

Below is generated by plot.py at 2020-02-17 23:58:29

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 29.658 ms

Loss rate: 0.00%

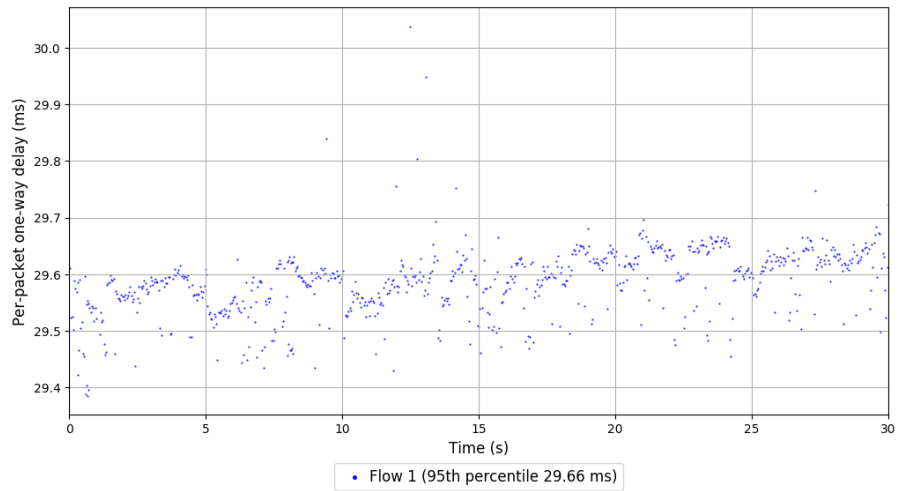
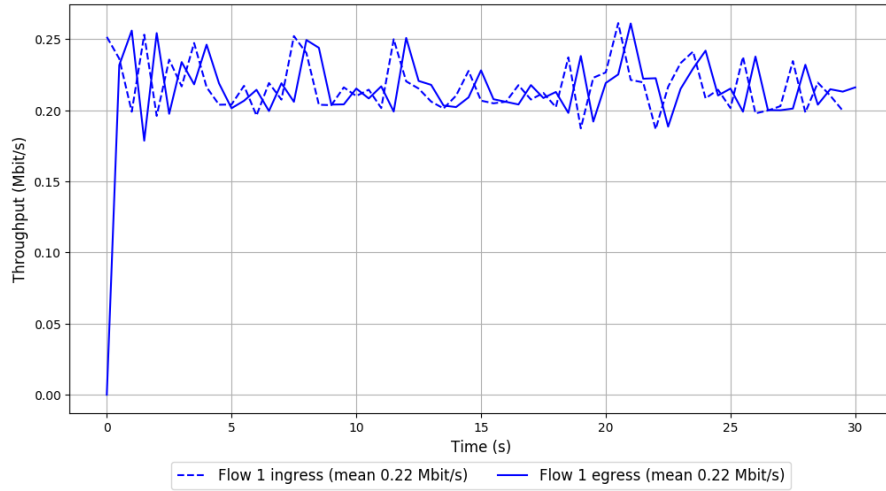
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 29.658 ms

Loss rate: 0.00%

Run 1: Report of SCReAM — Data Link



Run 2: Statistics of SCReAM

Start at: 2020-02-17 22:00:23

End at: 2020-02-17 22:00:53

Local clock offset: 6.895 ms

Remote clock offset: -2.047 ms

Below is generated by plot.py at 2020-02-17 23:58:29

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 25.506 ms

Loss rate: 0.00%

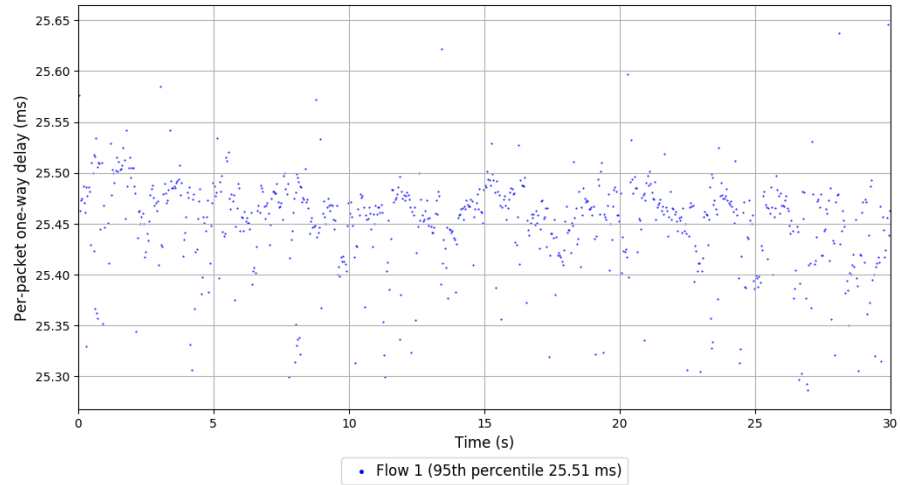
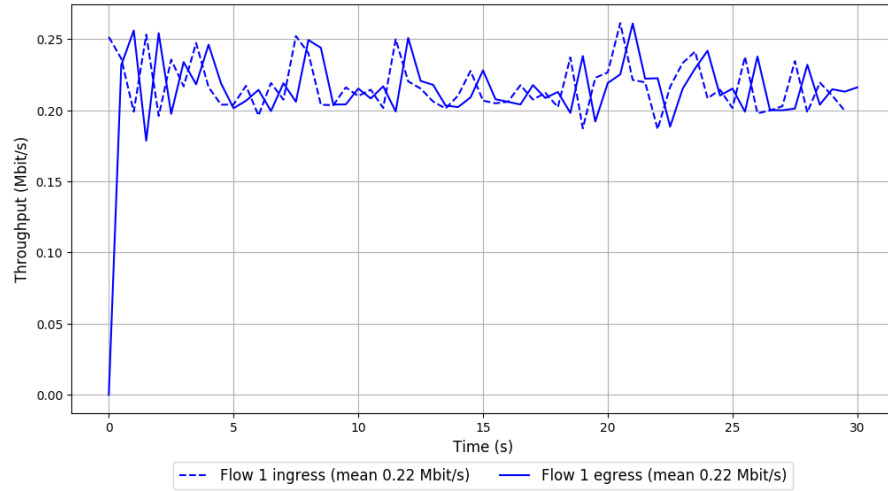
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 25.506 ms

Loss rate: 0.00%

Run 2: Report of SCReAM — Data Link

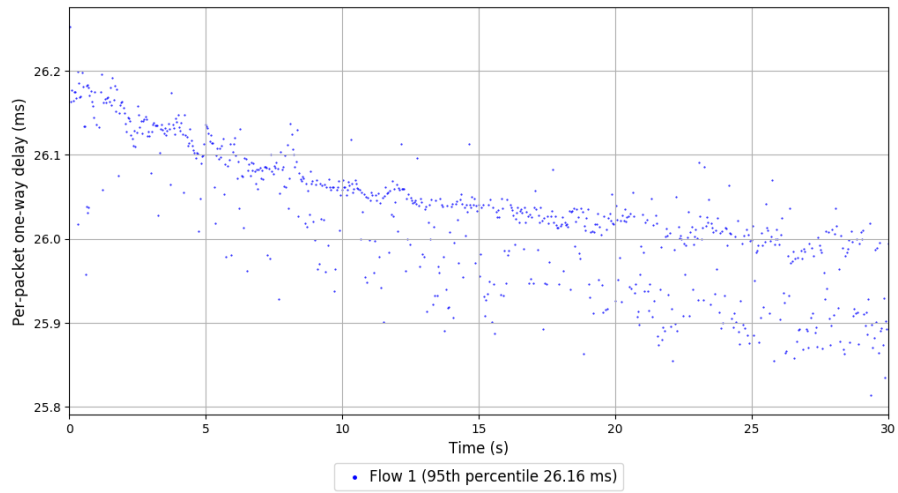
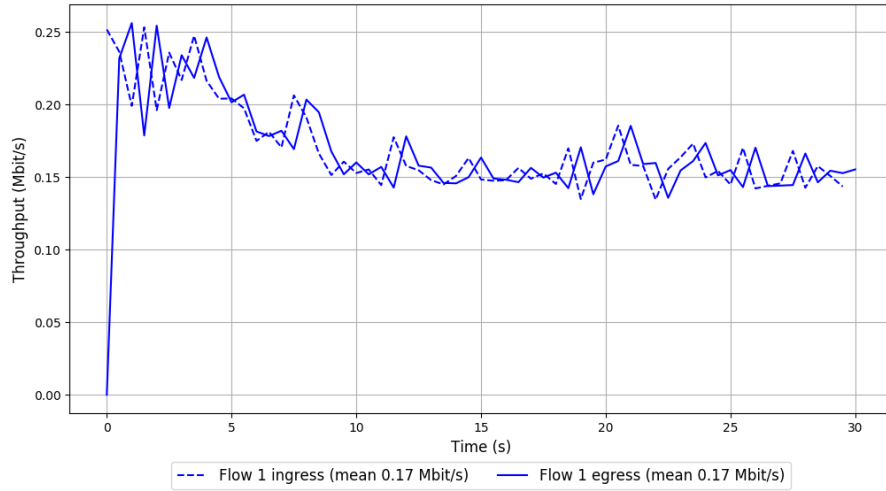


Run 3: Statistics of SCReAM

Start at: 2020-02-17 22:27:39
End at: 2020-02-17 22:28:09
Local clock offset: 7.967 ms
Remote clock offset: -2.617 ms

Below is generated by plot.py at 2020-02-17 23:58:29
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.17 Mbit/s
95th percentile per-packet one-way delay: 26.158 ms
Loss rate: 0.15%
-- Flow 1:
Average throughput: 0.17 Mbit/s
95th percentile per-packet one-way delay: 26.158 ms
Loss rate: 0.15%

Run 3: Report of SCReAM — Data Link



Run 4: Statistics of SCReAM

Start at: 2020-02-17 22:54:53

End at: 2020-02-17 22:55:23

Local clock offset: 7.252 ms

Remote clock offset: -3.85 ms

Below is generated by plot.py at 2020-02-17 23:58:29

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 27.046 ms

Loss rate: 0.00%

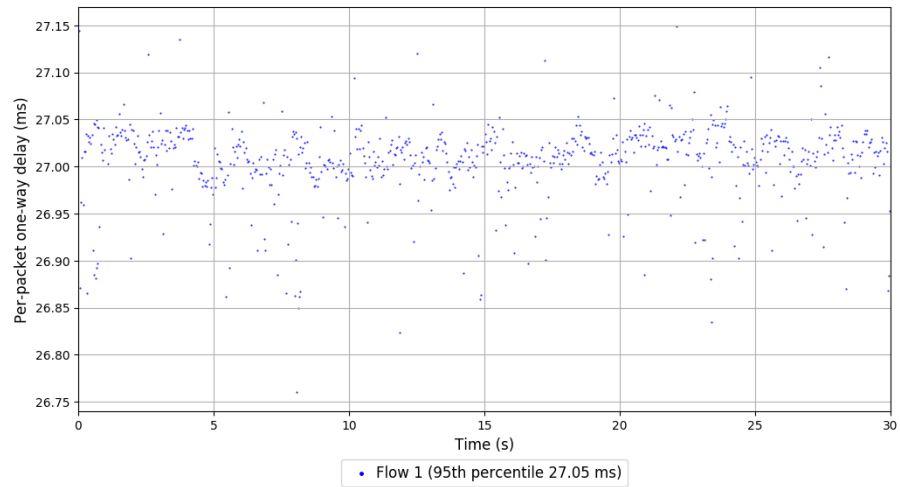
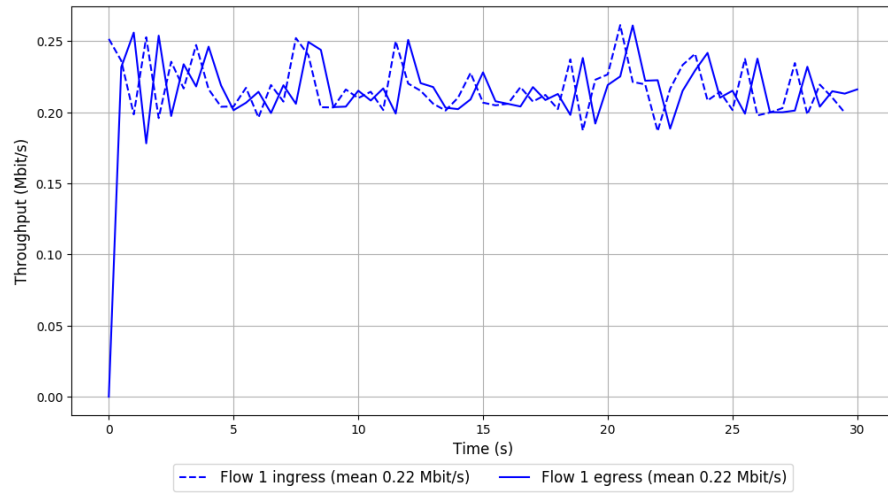
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 27.046 ms

Loss rate: 0.00%

Run 4: Report of SCReAM — Data Link



Run 5: Statistics of SCReAM

Start at: 2020-02-17 23:22:05

End at: 2020-02-17 23:22:36

Local clock offset: 2.065 ms

Remote clock offset: -3.522 ms

Below is generated by plot.py at 2020-02-17 23:58:29

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 30.927 ms

Loss rate: 0.00%

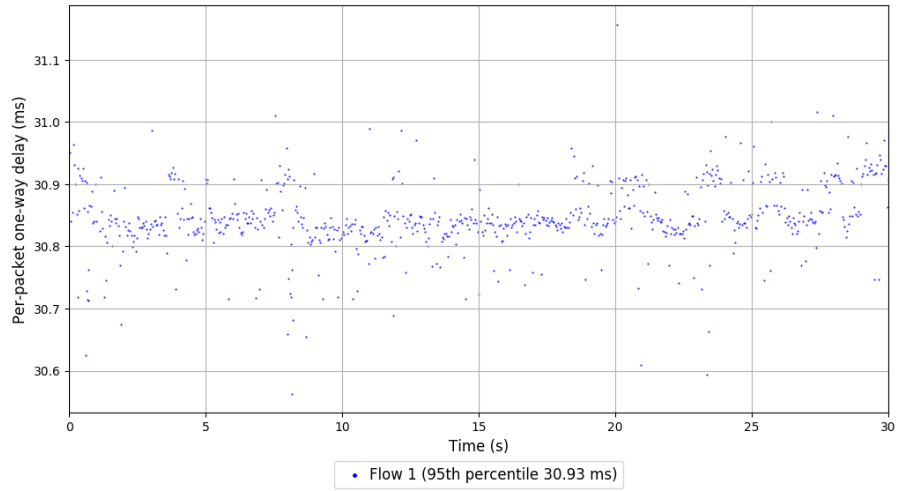
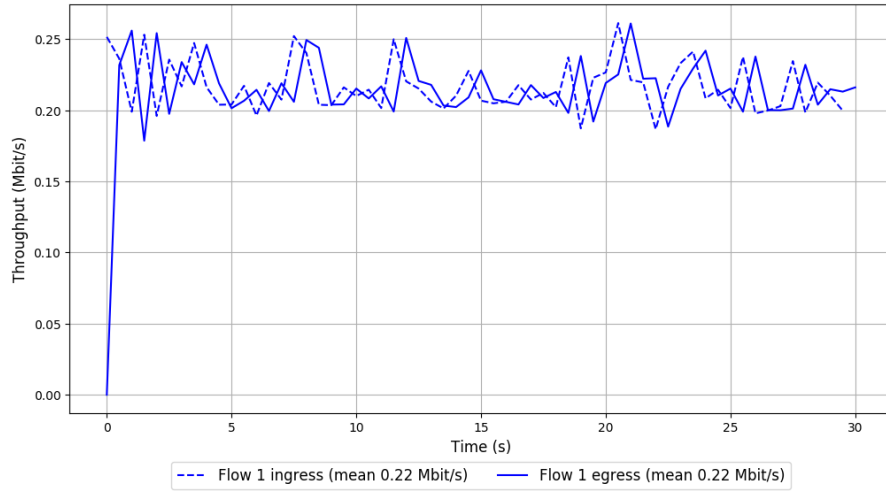
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 30.927 ms

Loss rate: 0.00%

Run 5: Report of SCReAM — Data Link

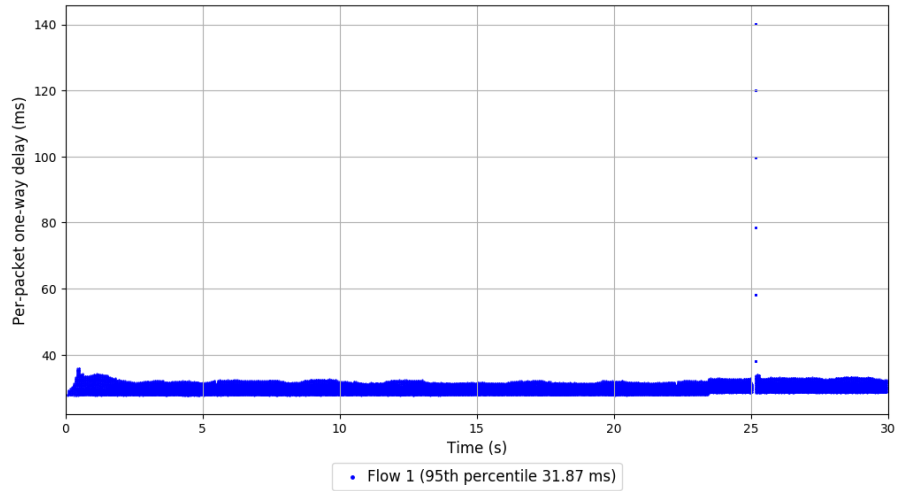
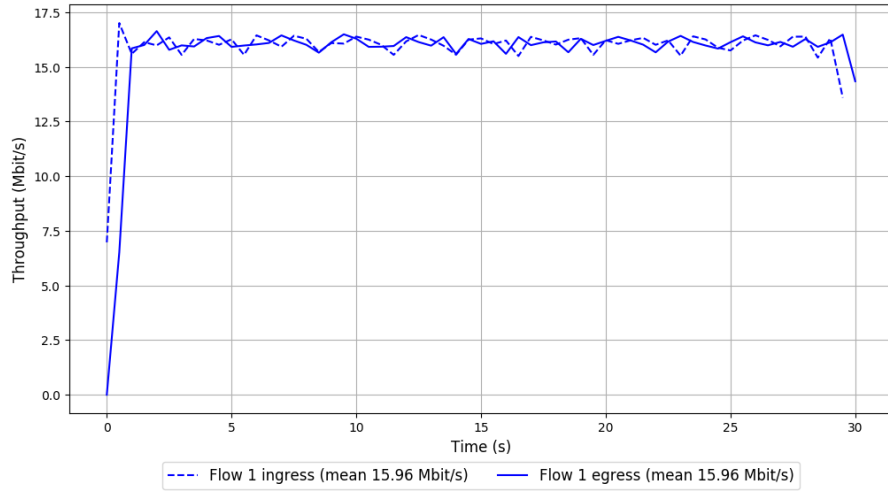


Run 1: Statistics of Sprout

Start at: 2020-02-17 21:41:00
End at: 2020-02-17 21:41:30
Local clock offset: 5.746 ms
Remote clock offset: -3.019 ms

Below is generated by plot.py at 2020-02-17 23:58:29
Datalink statistics
-- Total of 1 flow:
Average throughput: 15.96 Mbit/s
95th percentile per-packet one-way delay: 31.873 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 15.96 Mbit/s
95th percentile per-packet one-way delay: 31.873 ms
Loss rate: 0.00%

Run 1: Report of Sprout — Data Link



Run 2: Statistics of Sprout

Start at: 2020-02-17 22:08:21

End at: 2020-02-17 22:08:51

Local clock offset: 1.329 ms

Remote clock offset: -3.366 ms

Below is generated by plot.py at 2020-02-17 23:58:29

Datalink statistics

-- Total of 1 flow:

Average throughput: 15.93 Mbit/s

95th percentile per-packet one-way delay: 34.979 ms

Loss rate: 0.00%

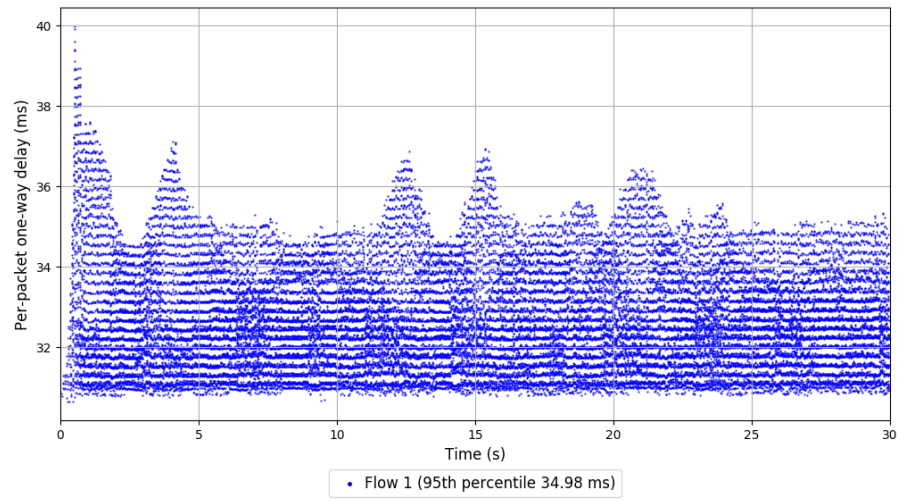
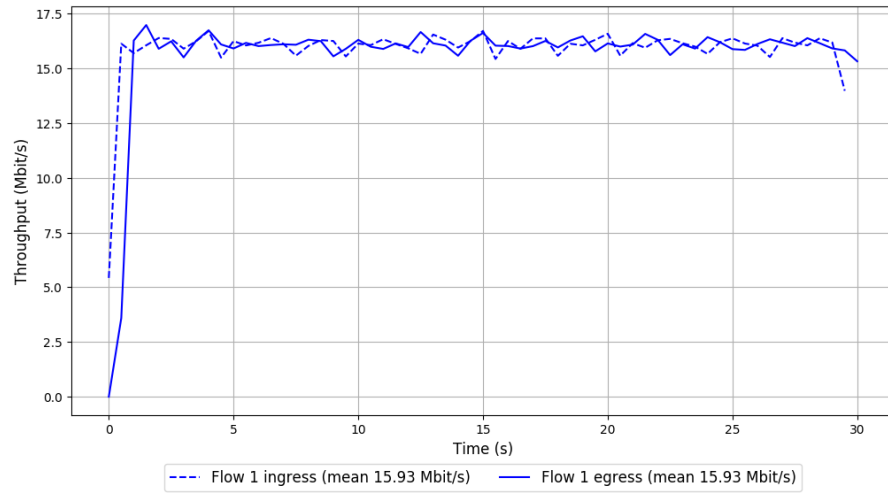
-- Flow 1:

Average throughput: 15.93 Mbit/s

95th percentile per-packet one-way delay: 34.979 ms

Loss rate: 0.00%

Run 2: Report of Sprout — Data Link



Run 3: Statistics of Sprout

Start at: 2020-02-17 22:35:35

End at: 2020-02-17 22:36:05

Local clock offset: 6.102 ms

Remote clock offset: 1.278 ms

Below is generated by plot.py at 2020-02-17 23:58:29

Datalink statistics

-- Total of 1 flow:

Average throughput: 16.00 Mbit/s

95th percentile per-packet one-way delay: 34.958 ms

Loss rate: 0.06%

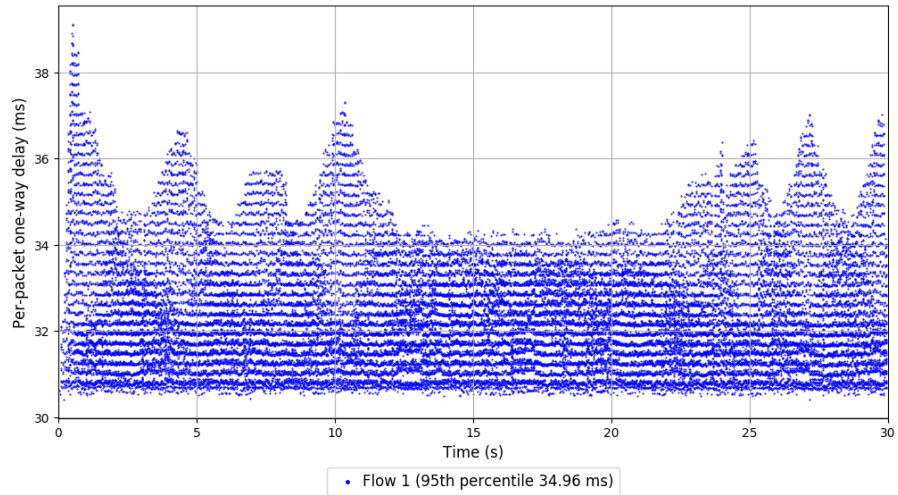
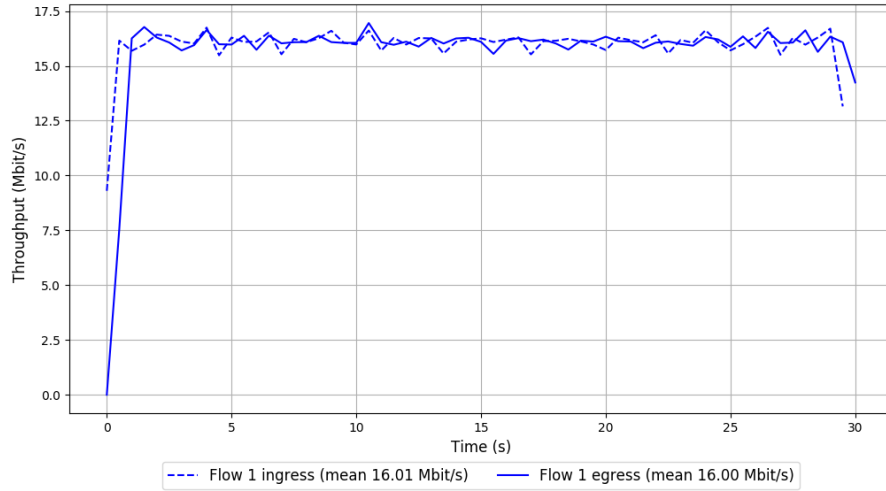
-- Flow 1:

Average throughput: 16.00 Mbit/s

95th percentile per-packet one-way delay: 34.958 ms

Loss rate: 0.06%

Run 3: Report of Sprout — Data Link



Run 4: Statistics of Sprout

Start at: 2020-02-17 23:02:47

End at: 2020-02-17 23:03:17

Local clock offset: 1.816 ms

Remote clock offset: -2.872 ms

Below is generated by plot.py at 2020-02-17 23:58:29

Datalink statistics

-- Total of 1 flow:

Average throughput: 15.92 Mbit/s

95th percentile per-packet one-way delay: 36.702 ms

Loss rate: 0.00%

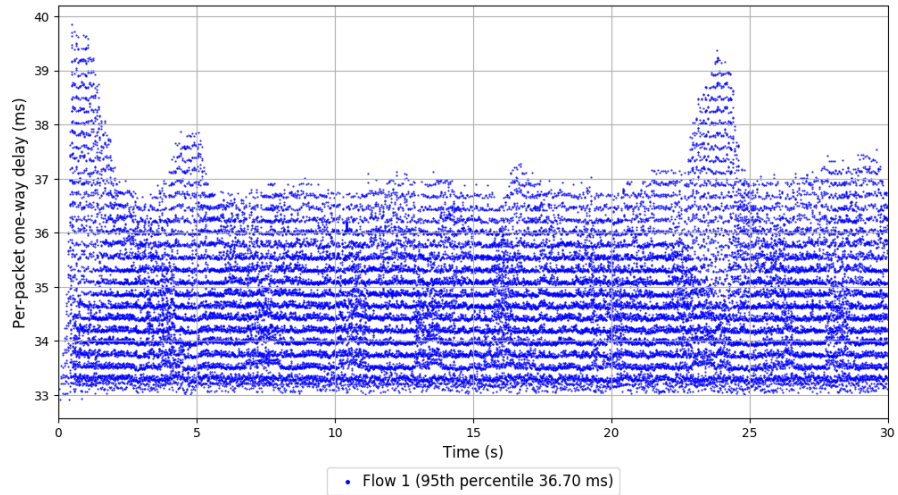
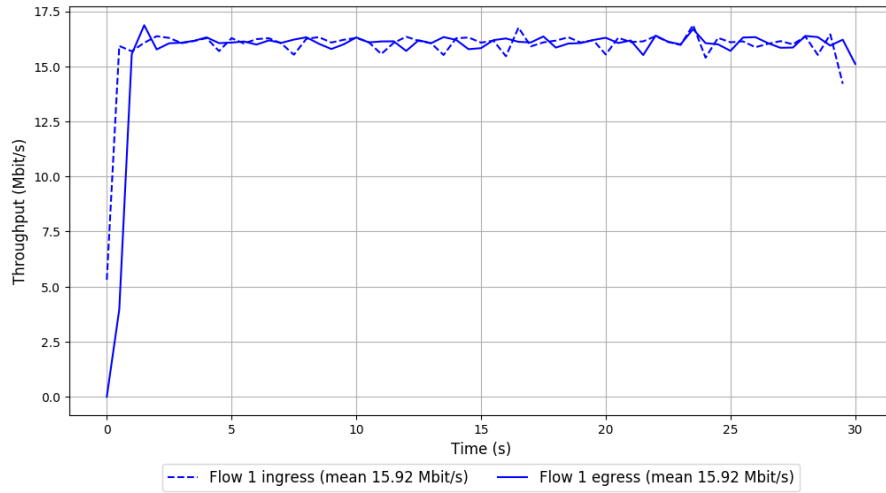
-- Flow 1:

Average throughput: 15.92 Mbit/s

95th percentile per-packet one-way delay: 36.702 ms

Loss rate: 0.00%

Run 4: Report of Sprout — Data Link

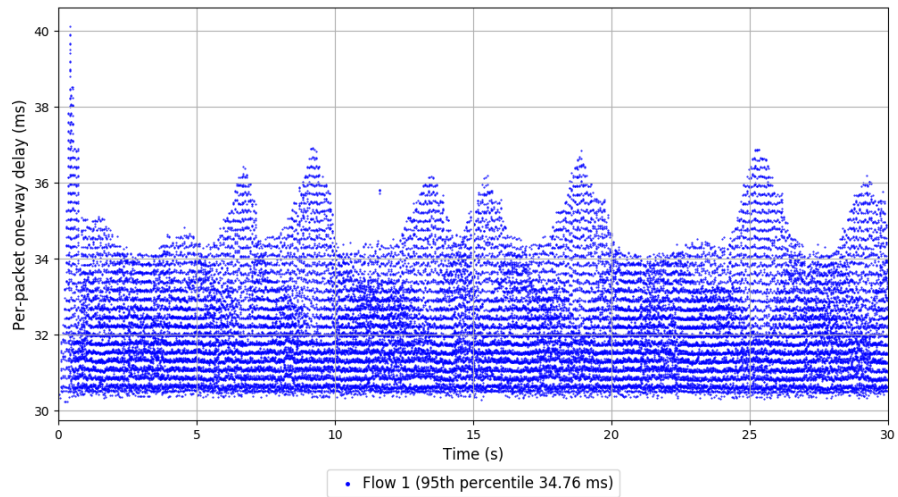
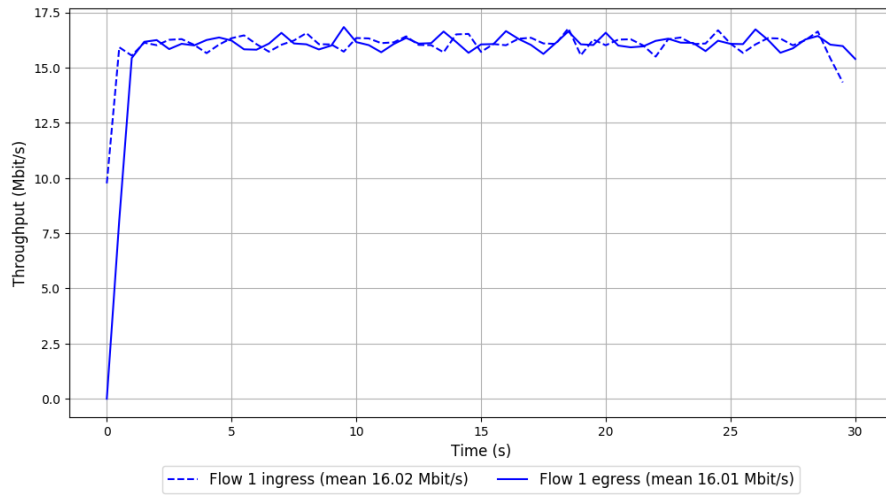


Run 5: Statistics of Sprout

Start at: 2020-02-17 23:30:00
End at: 2020-02-17 23:30:30
Local clock offset: 2.598 ms
Remote clock offset: -3.287 ms

```
# Below is generated by plot.py at 2020-02-17 23:58:29
# Datalink statistics
-- Total of 1 flow:
Average throughput: 16.01 Mbit/s
95th percentile per-packet one-way delay: 34.756 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 16.01 Mbit/s
95th percentile per-packet one-way delay: 34.756 ms
Loss rate: 0.06%
```

Run 5: Report of Sprout — Data Link



Run 1: Statistics of TaoVA-100x

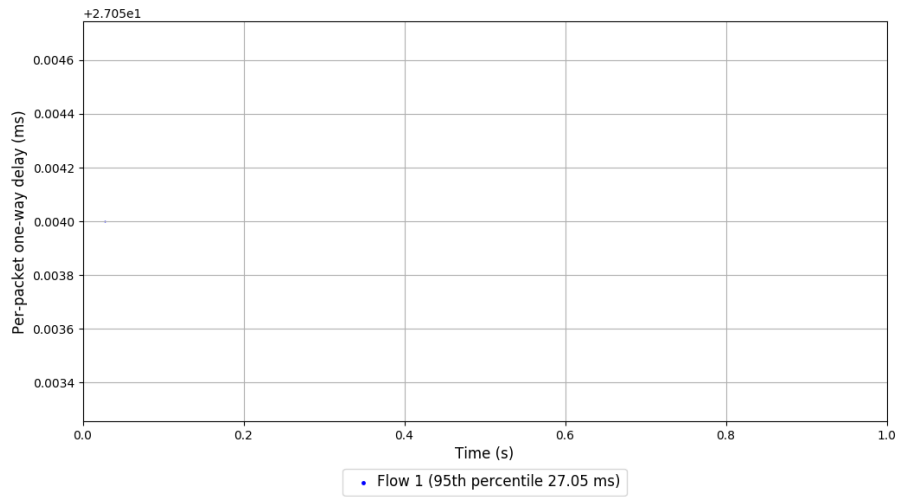
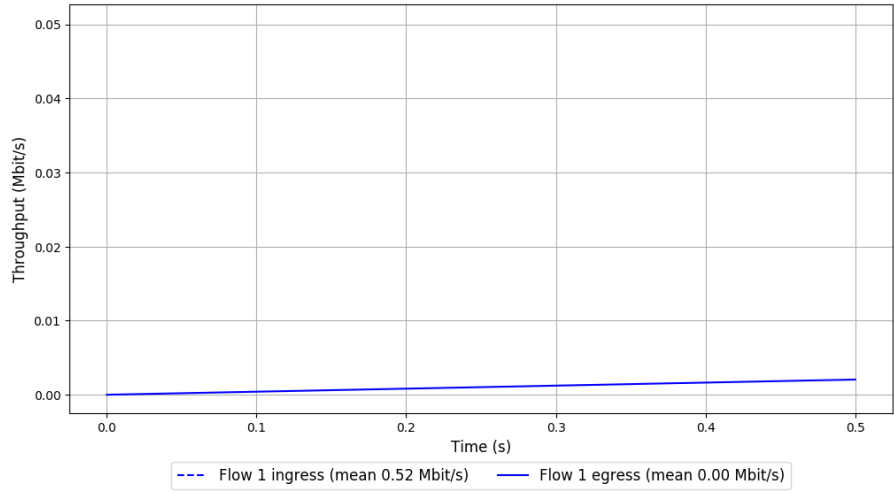
Start at: 2020-02-17 21:29:41

End at: 2020-02-17 21:30:11

Local clock offset: 5.018 ms

Remote clock offset: -1.203 ms

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



Run 2: Statistics of TaoVA-100x

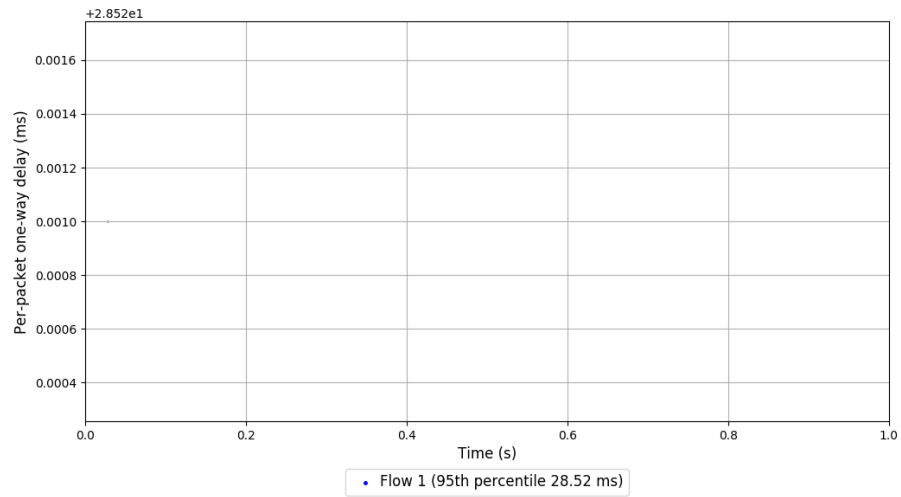
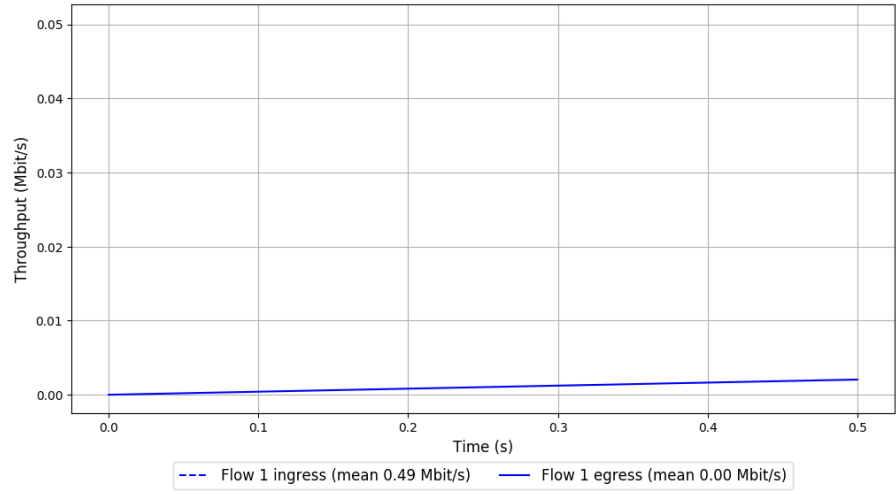
Start at: 2020-02-17 21:56:55

End at: 2020-02-17 21:57:25

Local clock offset: 6.386 ms

Remote clock offset: -2.539 ms

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



Run 3: Statistics of TaoVA-100x

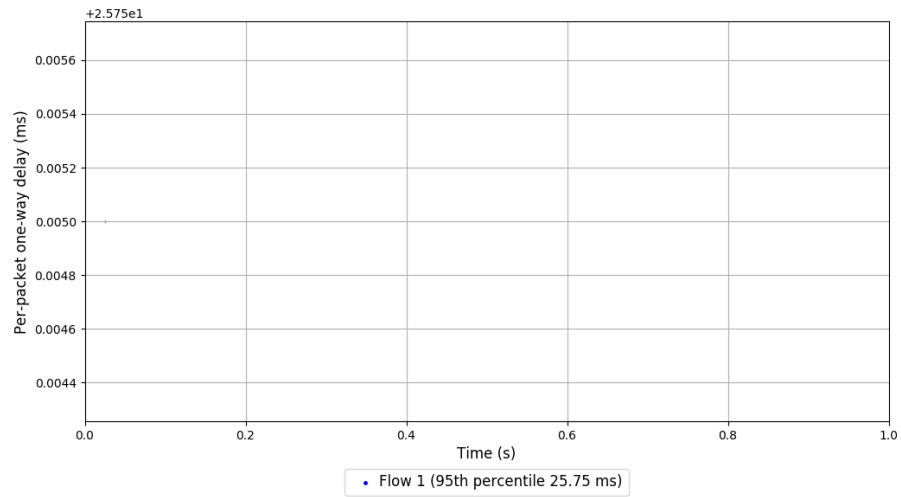
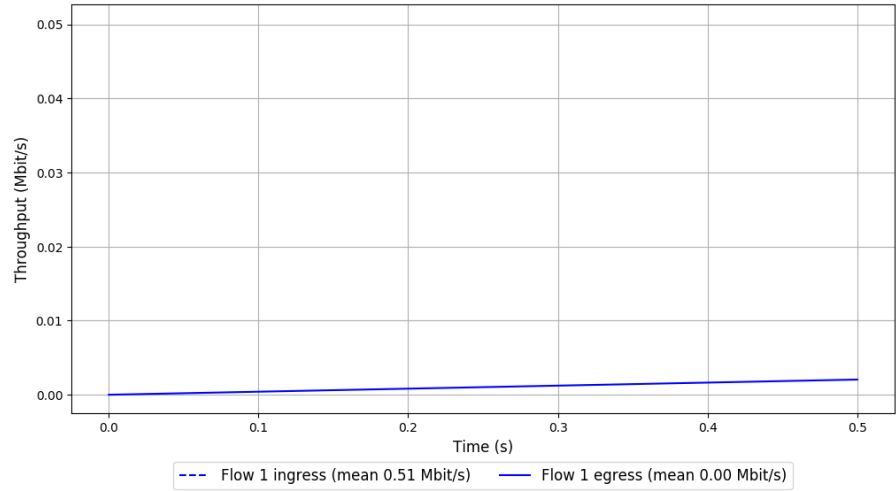
Start at: 2020-02-17 22:24:15

End at: 2020-02-17 22:24:46

Local clock offset: 8.141 ms

Remote clock offset: -3.207 ms

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



Run 4: Statistics of TaoVA-100x

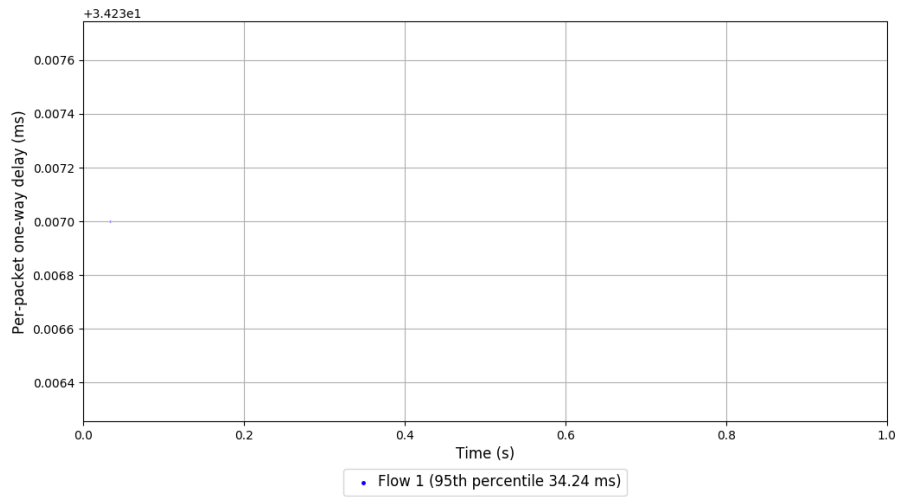
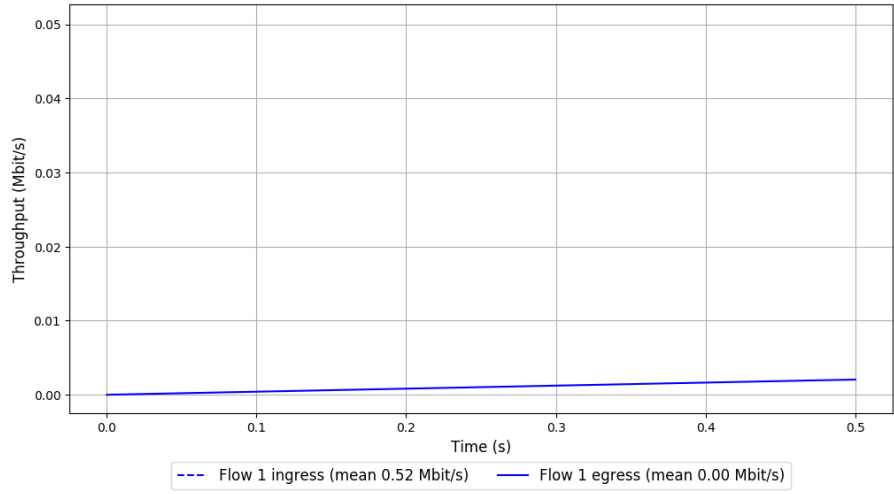
Start at: 2020-02-17 22:51:30

End at: 2020-02-17 22:52:00

Local clock offset: 2.211 ms

Remote clock offset: 0.334 ms

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



Run 5: Statistics of TaoVA-100x

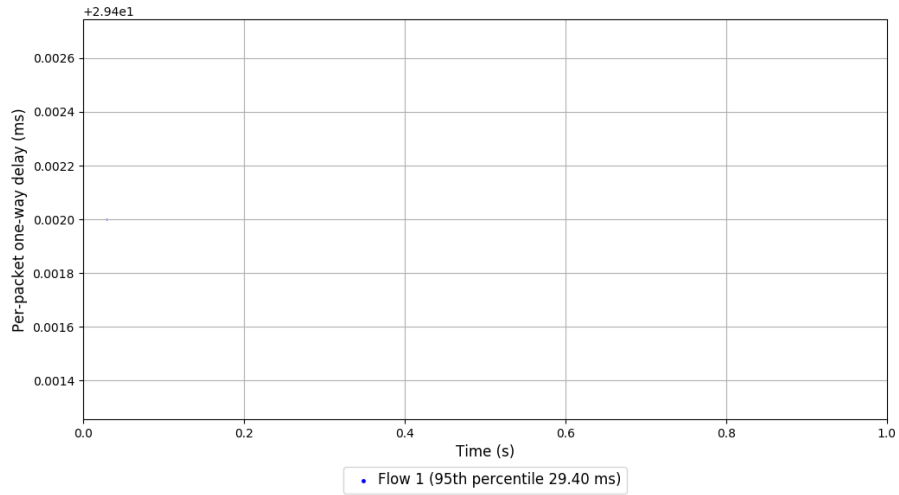
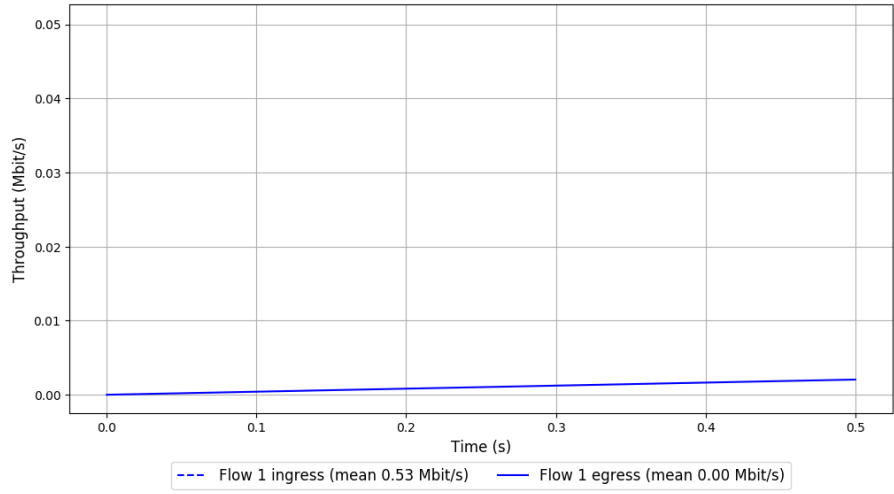
Start at: 2020-02-17 23:18:42

End at: 2020-02-17 23:19:12

Local clock offset: 6.016 ms

Remote clock offset: -0.448 ms

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

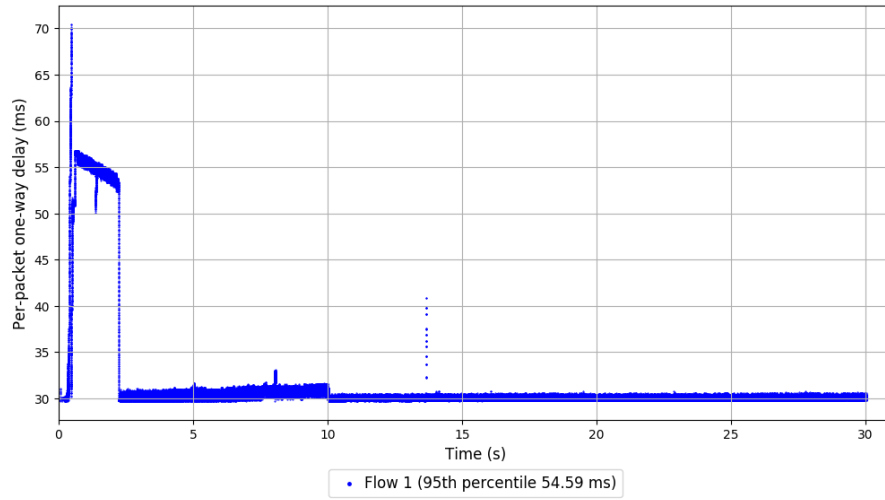
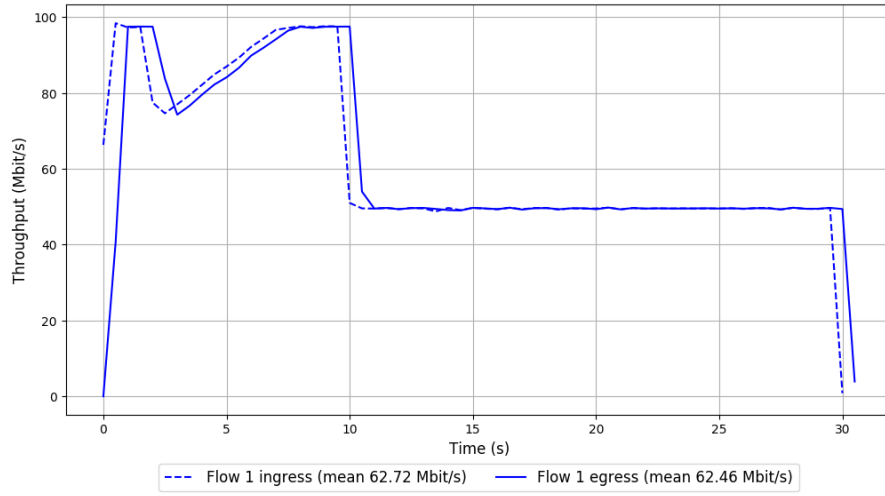


Run 1: Statistics of TCP Vegas

Start at: 2020-02-17 21:35:19
End at: 2020-02-17 21:35:50
Local clock offset: 2.188 ms
Remote clock offset: -2.697 ms

Below is generated by plot.py at 2020-02-17 23:58:31
Datalink statistics
-- Total of 1 flow:
Average throughput: 62.46 Mbit/s
95th percentile per-packet one-way delay: 54.594 ms
Loss rate: 0.42%
-- Flow 1:
Average throughput: 62.46 Mbit/s
95th percentile per-packet one-way delay: 54.594 ms
Loss rate: 0.42%

Run 1: Report of TCP Vegas — Data Link



Run 2: Statistics of TCP Vegas

Start at: 2020-02-17 22:02:39

End at: 2020-02-17 22:03:09

Local clock offset: 6.884 ms

Remote clock offset: 0.66 ms

Below is generated by plot.py at 2020-02-17 23:58:57

Datalink statistics

-- Total of 1 flow:

Average throughput: 96.58 Mbit/s

95th percentile per-packet one-way delay: 53.669 ms

Loss rate: 0.27%

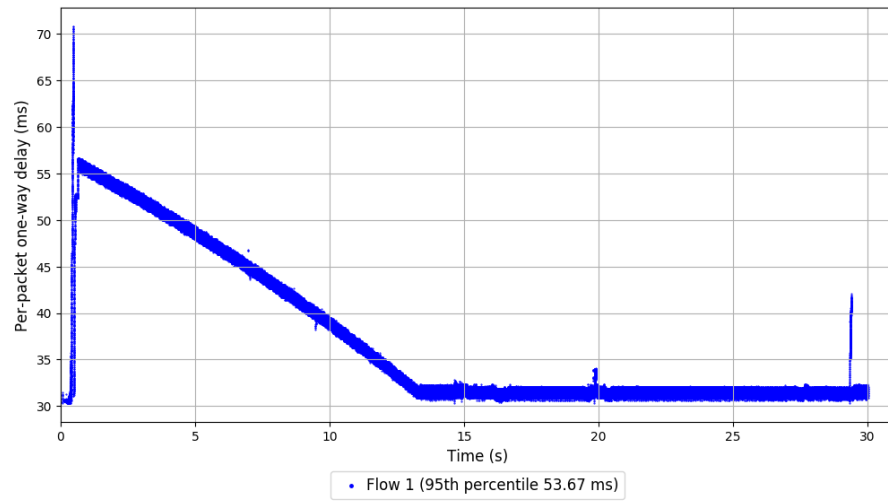
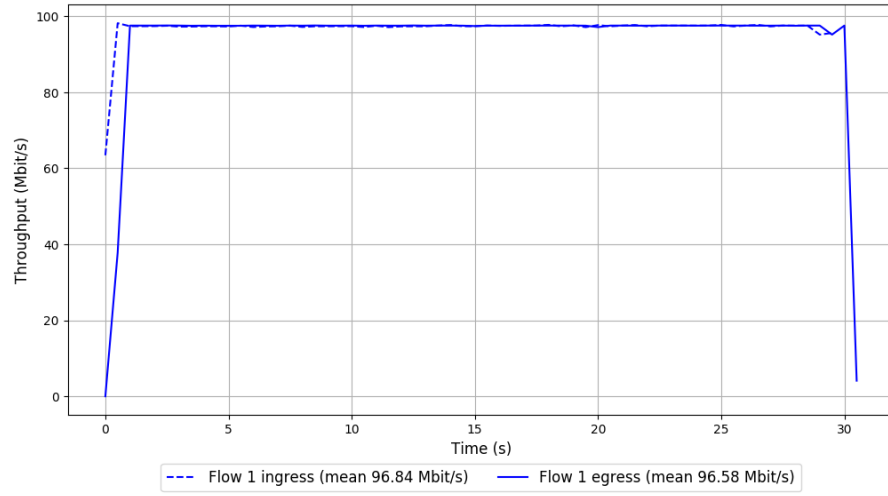
-- Flow 1:

Average throughput: 96.58 Mbit/s

95th percentile per-packet one-way delay: 53.669 ms

Loss rate: 0.27%

Run 2: Report of TCP Vegas — Data Link



Run 3: Statistics of TCP Vegas

Start at: 2020-02-17 22:29:54

End at: 2020-02-17 22:30:24

Local clock offset: 7.808 ms

Remote clock offset: 0.754 ms

Below is generated by plot.py at 2020-02-17 23:58:57

Datalink statistics

-- Total of 1 flow:

Average throughput: 68.35 Mbit/s

95th percentile per-packet one-way delay: 53.962 ms

Loss rate: 0.39%

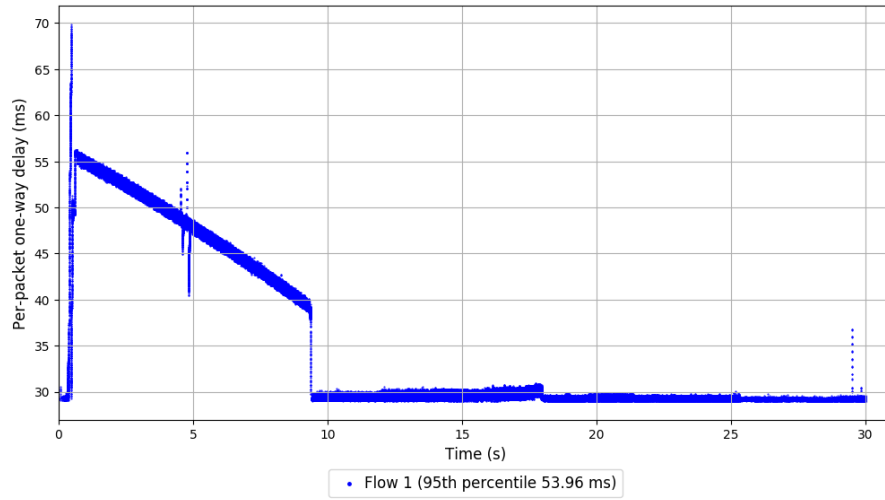
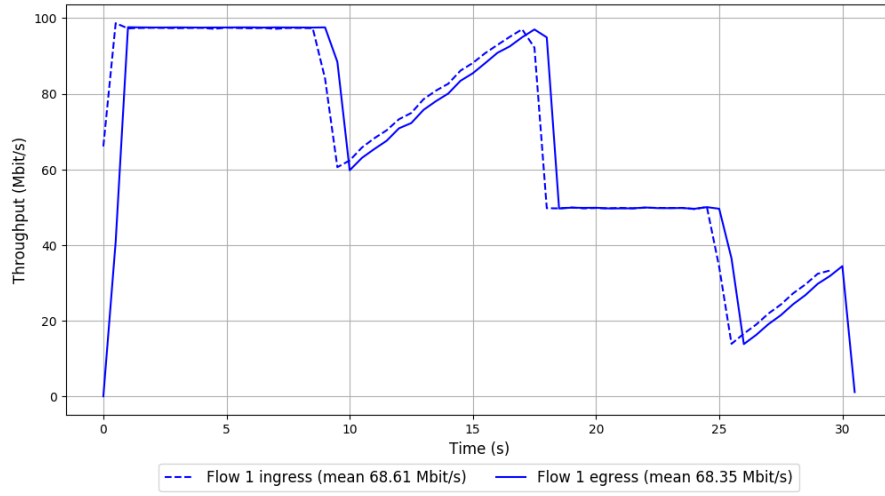
-- Flow 1:

Average throughput: 68.35 Mbit/s

95th percentile per-packet one-way delay: 53.962 ms

Loss rate: 0.39%

Run 3: Report of TCP Vegas — Data Link

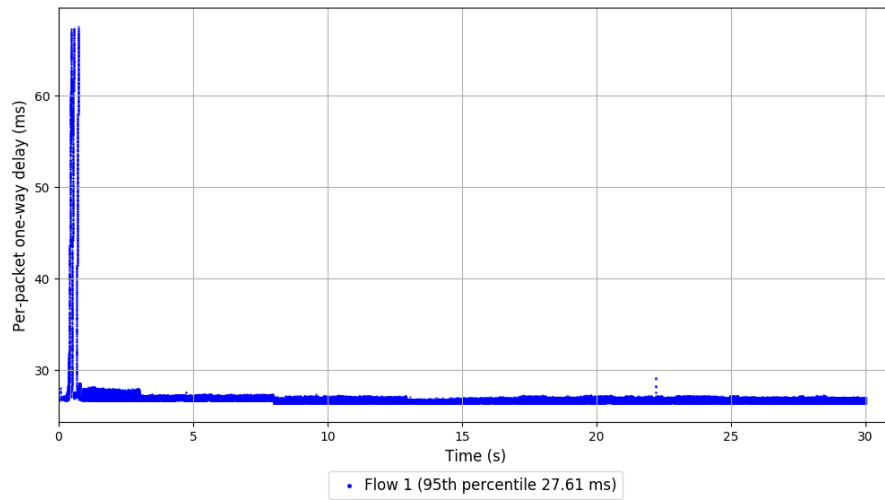
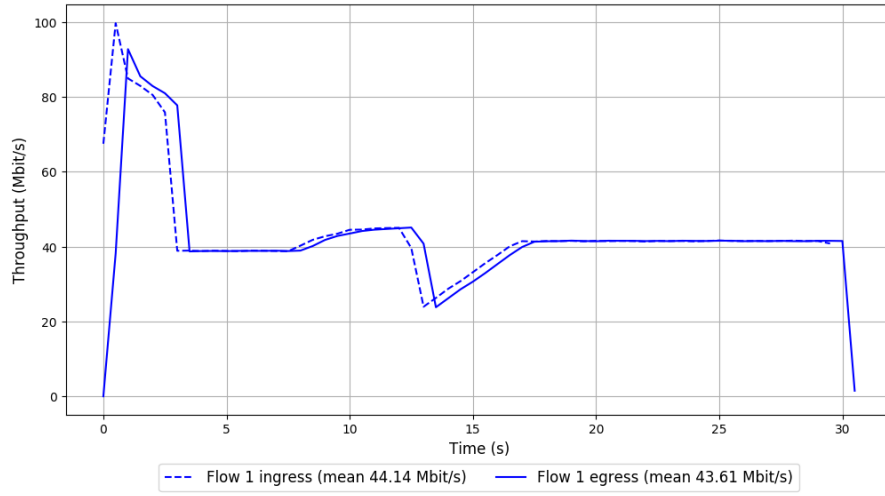


Run 4: Statistics of TCP Vegas

Start at: 2020-02-17 22:57:09
End at: 2020-02-17 22:57:39
Local clock offset: 6.938 ms
Remote clock offset: -4.767 ms

Below is generated by plot.py at 2020-02-17 23:58:57
Datalink statistics
-- Total of 1 flow:
Average throughput: 43.61 Mbit/s
95th percentile per-packet one-way delay: 27.608 ms
Loss rate: 1.19%
-- Flow 1:
Average throughput: 43.61 Mbit/s
95th percentile per-packet one-way delay: 27.608 ms
Loss rate: 1.19%

Run 4: Report of TCP Vegas — Data Link



Run 5: Statistics of TCP Vegas

Start at: 2020-02-17 23:24:21

End at: 2020-02-17 23:24:51

Local clock offset: 1.413 ms

Remote clock offset: -2.074 ms

Below is generated by plot.py at 2020-02-17 23:58:57

Datalink statistics

-- Total of 1 flow:

Average throughput: 41.19 Mbit/s

95th percentile per-packet one-way delay: 35.983 ms

Loss rate: 1.27%

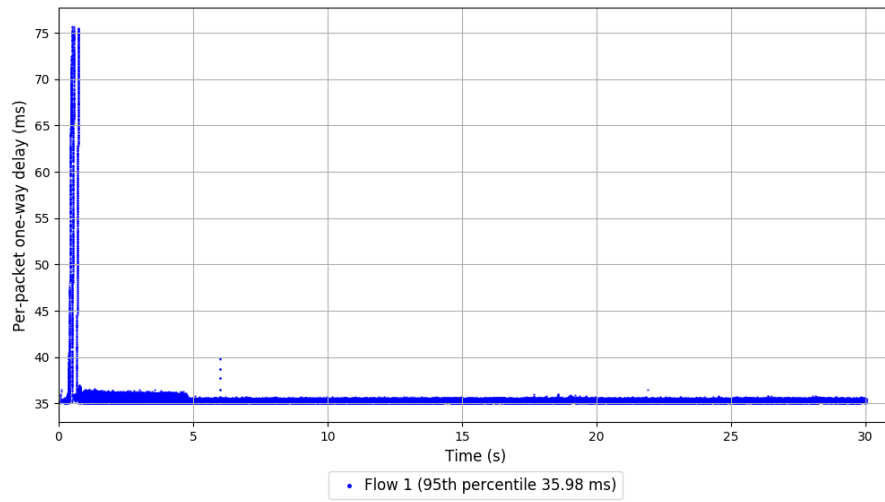
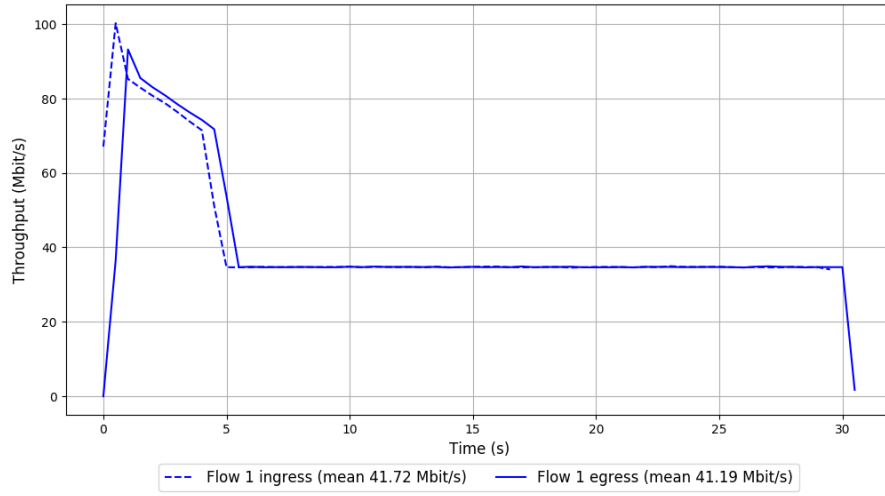
-- Flow 1:

Average throughput: 41.19 Mbit/s

95th percentile per-packet one-way delay: 35.983 ms

Loss rate: 1.27%

Run 5: Report of TCP Vegas — Data Link



Run 1: Statistics of Verus

Start at: 2020-02-17 21:46:38

End at: 2020-02-17 21:47:08

Local clock offset: 5.53 ms

Remote clock offset: 0.936 ms

Below is generated by plot.py at 2020-02-17 23:58:57

Datalink statistics

-- Total of 1 flow:

Average throughput: 69.40 Mbit/s

95th percentile per-packet one-way delay: 60.177 ms

Loss rate: 10.41%

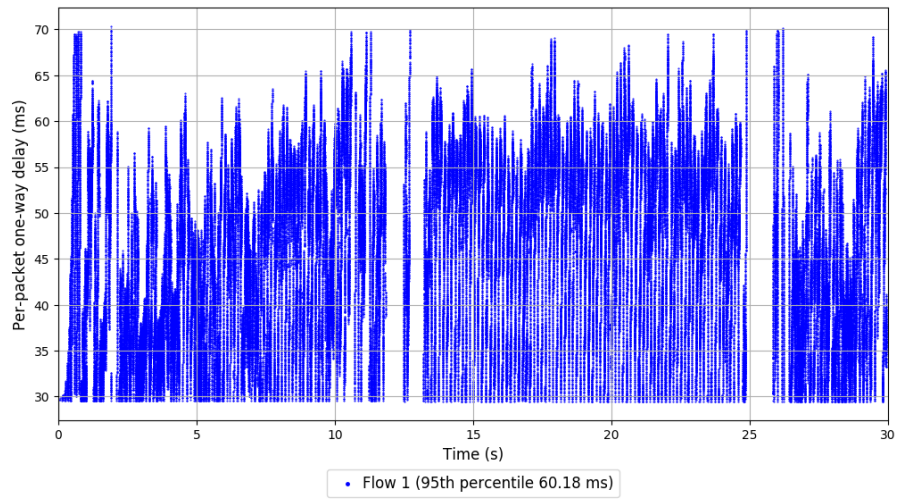
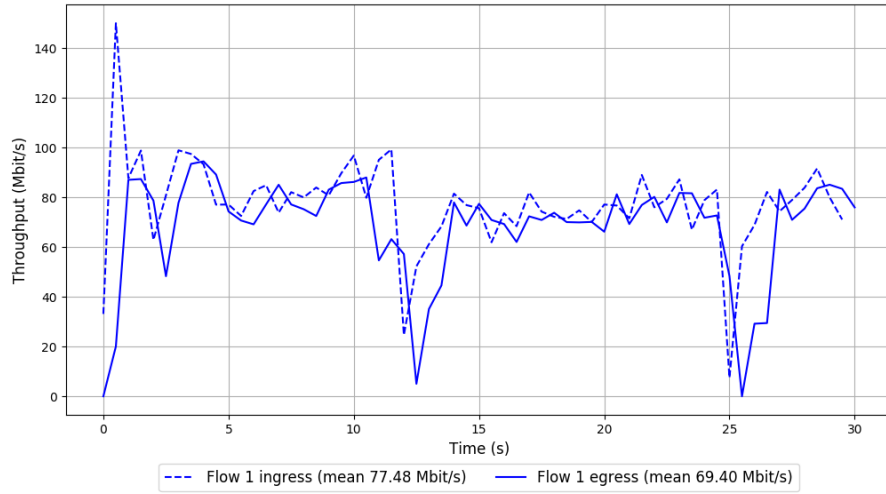
-- Flow 1:

Average throughput: 69.40 Mbit/s

95th percentile per-packet one-way delay: 60.177 ms

Loss rate: 10.41%

Run 1: Report of Verus — Data Link

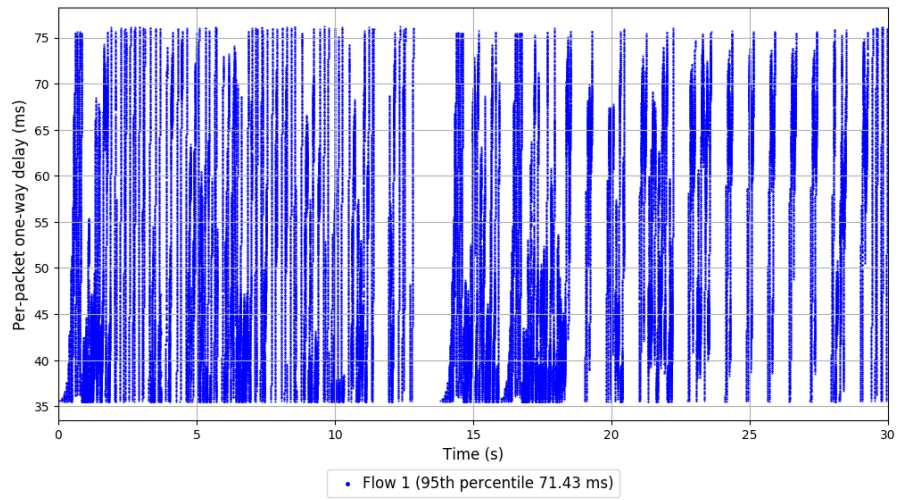
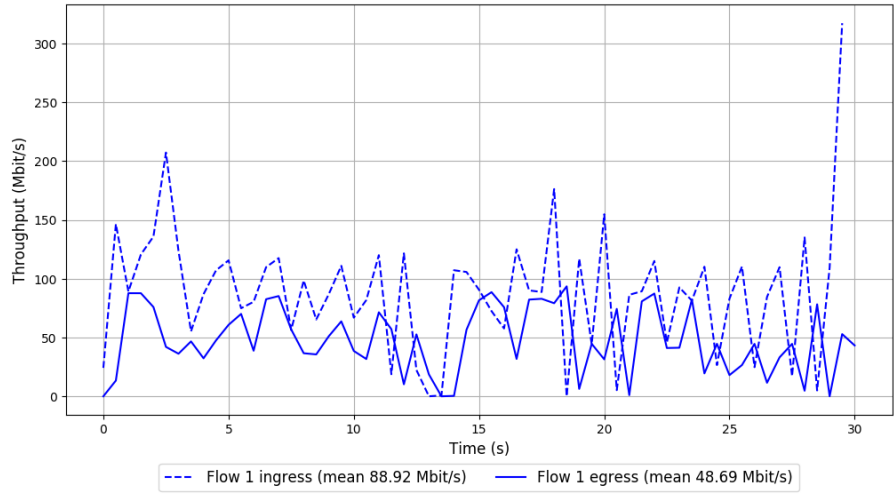


Run 2: Statistics of Verus

Start at: 2020-02-17 22:13:58
End at: 2020-02-17 22:14:28
Local clock offset: 2.094 ms
Remote clock offset: -0.602 ms

Below is generated by plot.py at 2020-02-17 23:58:57
Datalink statistics
-- Total of 1 flow:
Average throughput: 48.69 Mbit/s
95th percentile per-packet one-way delay: 71.430 ms
Loss rate: 45.23%
-- Flow 1:
Average throughput: 48.69 Mbit/s
95th percentile per-packet one-way delay: 71.430 ms
Loss rate: 45.23%

Run 2: Report of Verus — Data Link

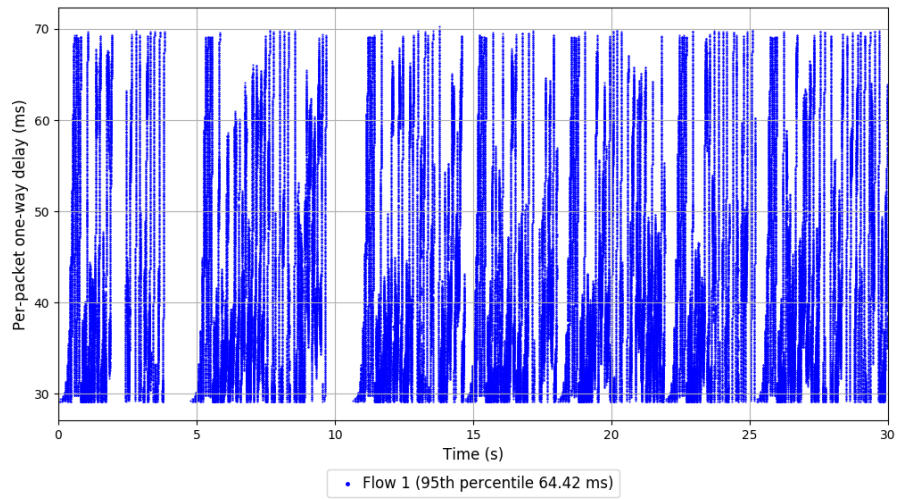
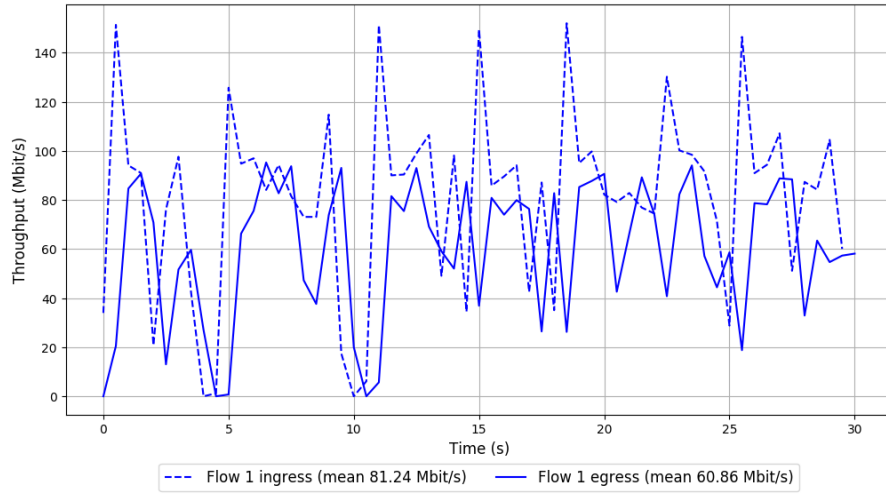


Run 3: Statistics of Verus

Start at: 2020-02-17 22:41:13
End at: 2020-02-17 22:41:43
Local clock offset: 6.095 ms
Remote clock offset: -0.003 ms

Below is generated by plot.py at 2020-02-17 23:59:11
Datalink statistics
-- Total of 1 flow:
Average throughput: 60.86 Mbit/s
95th percentile per-packet one-way delay: 64.421 ms
Loss rate: 25.06%
-- Flow 1:
Average throughput: 60.86 Mbit/s
95th percentile per-packet one-way delay: 64.421 ms
Loss rate: 25.06%

Run 3: Report of Verus — Data Link



Run 4: Statistics of Verus

Start at: 2020-02-17 23:08:25

End at: 2020-02-17 23:08:55

Local clock offset: 5.507 ms

Remote clock offset: -4.308 ms

Below is generated by plot.py at 2020-02-17 23:59:20

Datalink statistics

-- Total of 1 flow:

Average throughput: 71.76 Mbit/s

95th percentile per-packet one-way delay: 55.757 ms

Loss rate: 10.35%

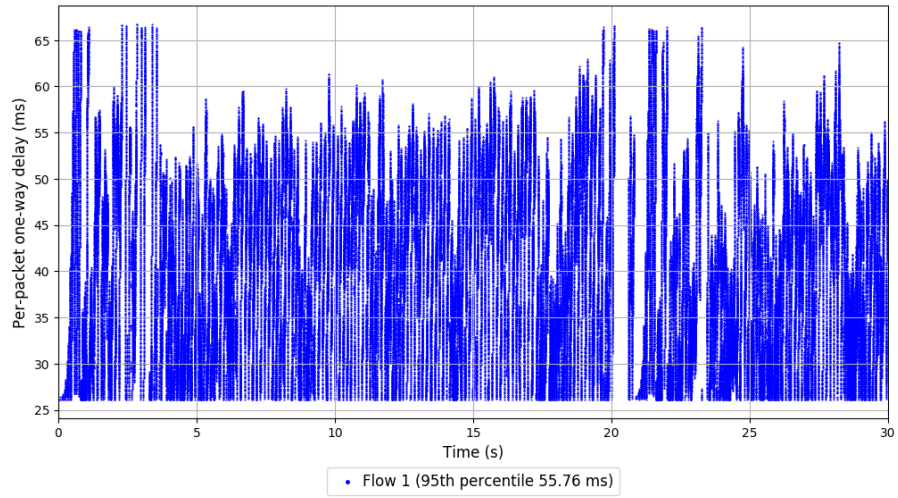
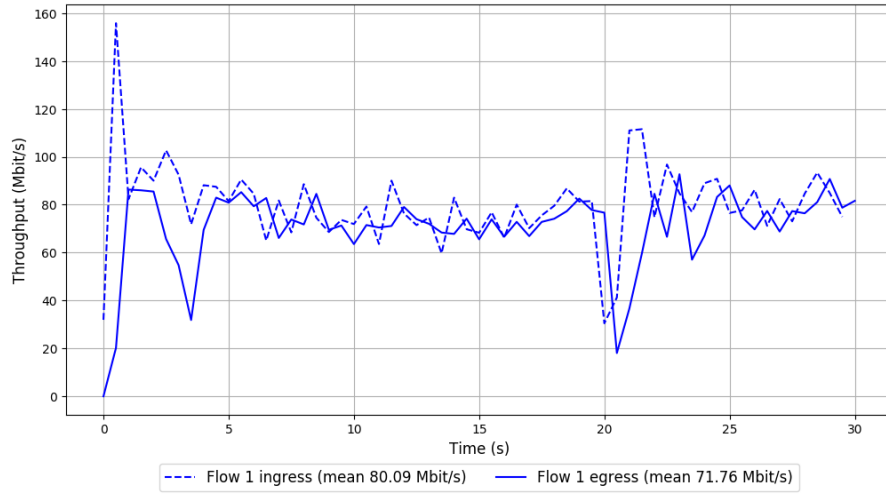
-- Flow 1:

Average throughput: 71.76 Mbit/s

95th percentile per-packet one-way delay: 55.757 ms

Loss rate: 10.35%

Run 4: Report of Verus — Data Link



Run 5: Statistics of Verus

Start at: 2020-02-17 23:35:38

End at: 2020-02-17 23:36:08

Local clock offset: 1.858 ms

Remote clock offset: -3.446 ms

Below is generated by plot.py at 2020-02-17 23:59:22

Datalink statistics

-- Total of 1 flow:

Average throughput: 57.06 Mbit/s

95th percentile per-packet one-way delay: 66.790 ms

Loss rate: 50.50%

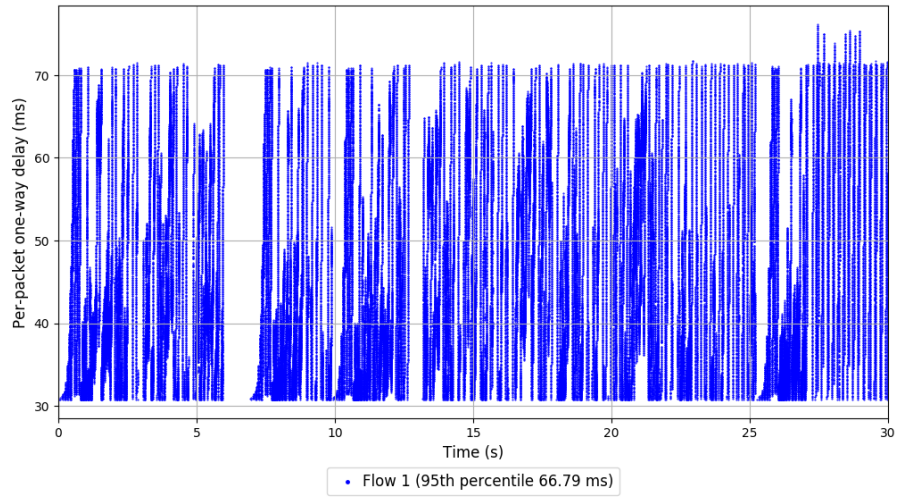
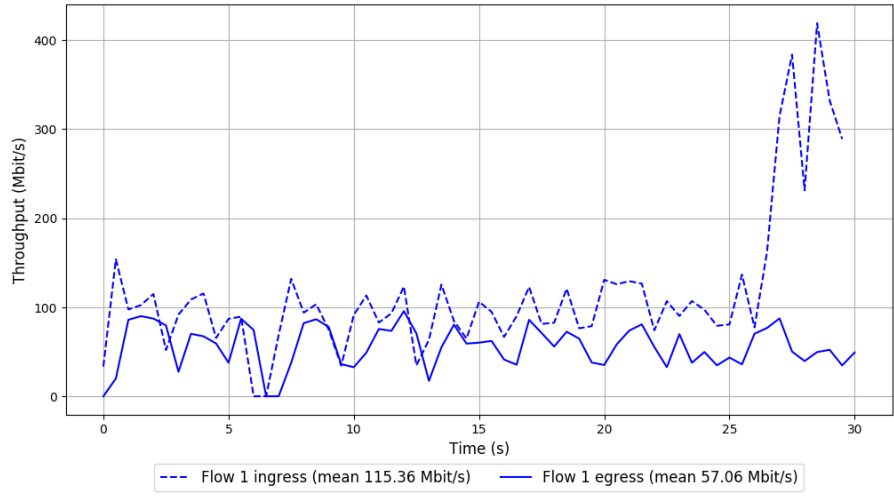
-- Flow 1:

Average throughput: 57.06 Mbit/s

95th percentile per-packet one-way delay: 66.790 ms

Loss rate: 50.50%

Run 5: Report of Verus — Data Link



Run 1: Statistics of PCC-Vivace

Start at: 2020-02-17 21:47:47

End at: 2020-02-17 21:48:17

Local clock offset: 5.719 ms

Remote clock offset: -3.001 ms

Below is generated by plot.py at 2020-02-17 23:59:34

Datalink statistics

-- Total of 1 flow:

Average throughput: 86.28 Mbit/s

95th percentile per-packet one-way delay: 27.685 ms

Loss rate: 0.00%

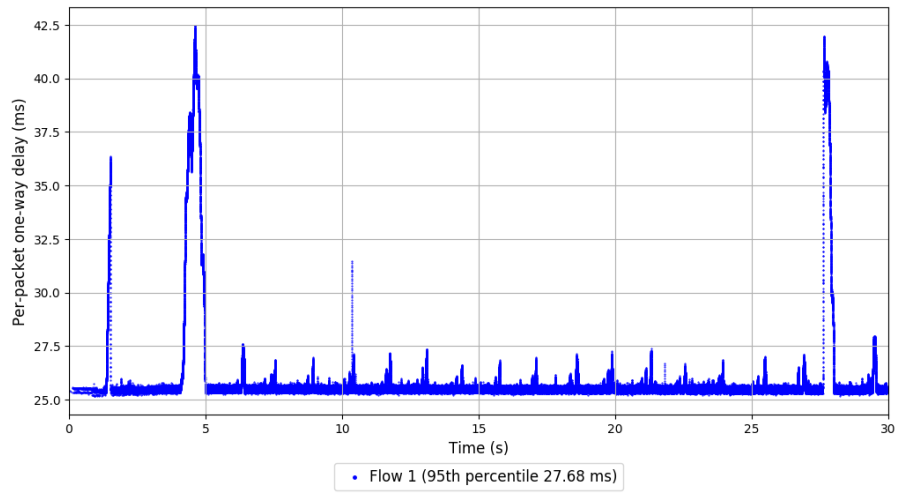
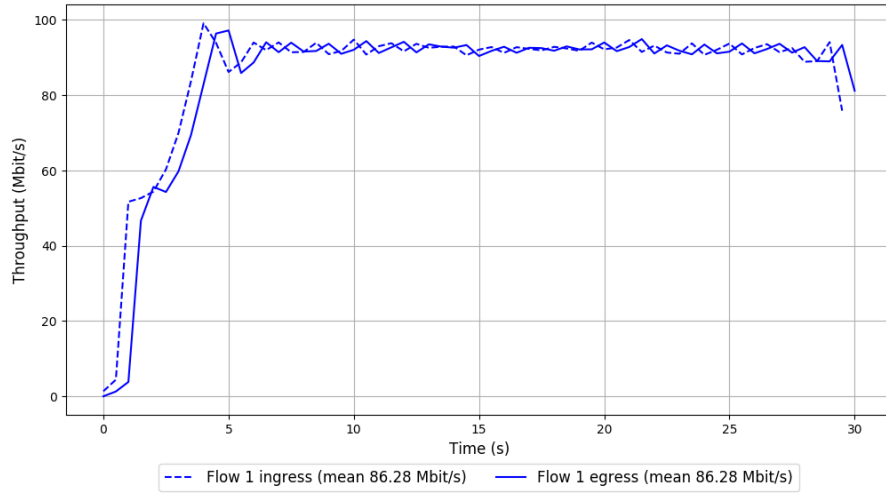
-- Flow 1:

Average throughput: 86.28 Mbit/s

95th percentile per-packet one-way delay: 27.685 ms

Loss rate: 0.00%

Run 1: Report of PCC-Vivace — Data Link



Run 2: Statistics of PCC-Vivace

Start at: 2020-02-17 22:15:07

End at: 2020-02-17 22:15:37

Local clock offset: 2.621 ms

Remote clock offset: -1.12 ms

Below is generated by plot.py at 2020-02-17 23:59:37

Datalink statistics

-- Total of 1 flow:

Average throughput: 86.53 Mbit/s

95th percentile per-packet one-way delay: 35.892 ms

Loss rate: 0.00%

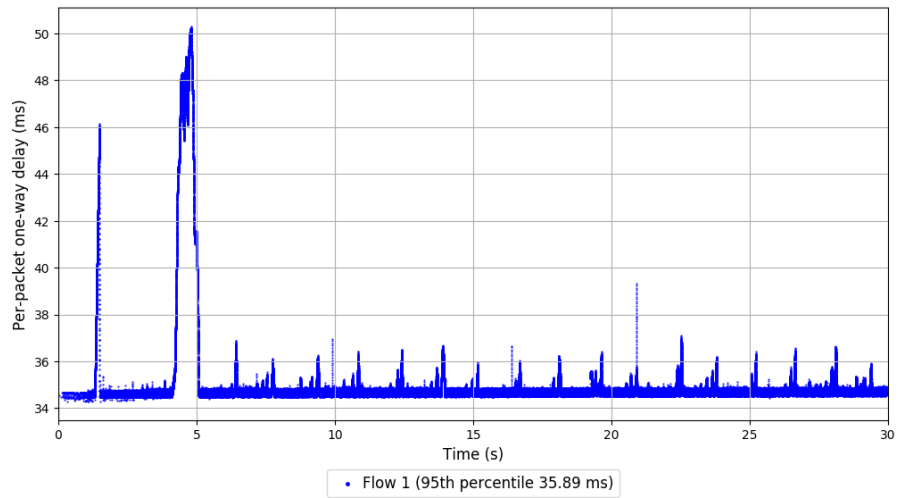
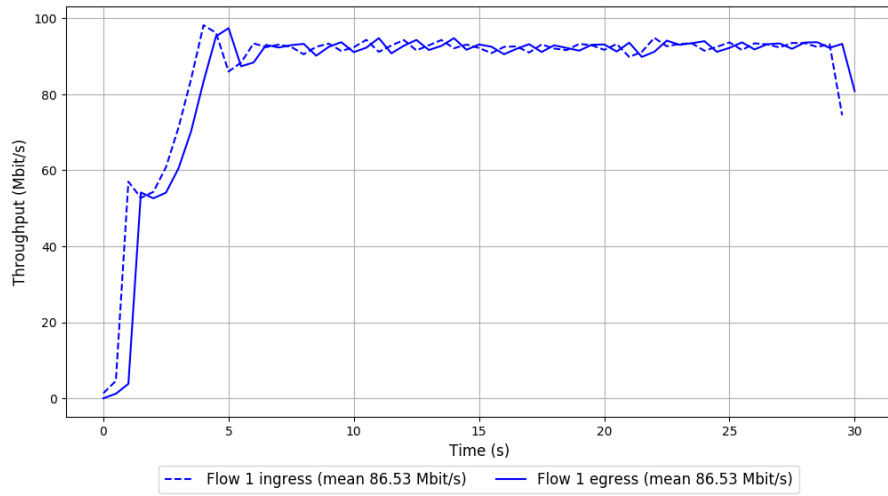
-- Flow 1:

Average throughput: 86.53 Mbit/s

95th percentile per-packet one-way delay: 35.892 ms

Loss rate: 0.00%

Run 2: Report of PCC-Vivace — Data Link



Run 3: Statistics of PCC-Vivace

Start at: 2020-02-17 22:42:21

End at: 2020-02-17 22:42:51

Local clock offset: 6.217 ms

Remote clock offset: -4.16 ms

Below is generated by plot.py at 2020-02-17 23:59:40

Datalink statistics

-- Total of 1 flow:

Average throughput: 86.10 Mbit/s

95th percentile per-packet one-way delay: 26.761 ms

Loss rate: 0.00%

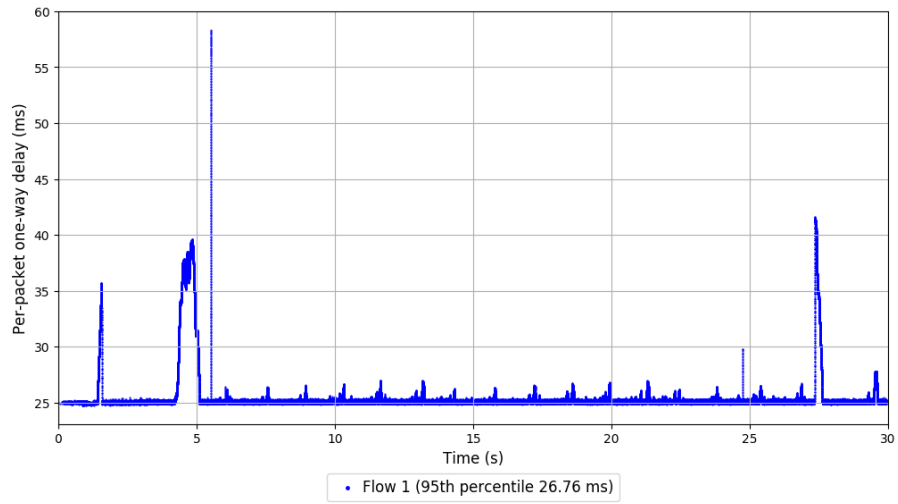
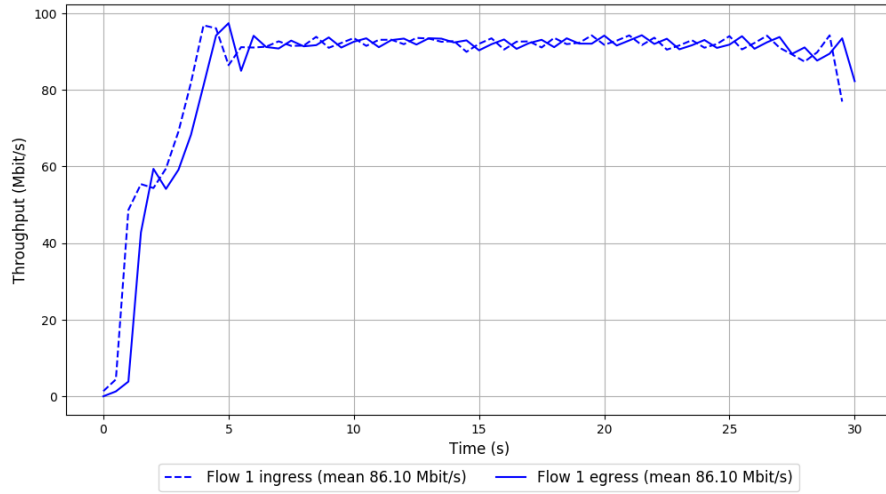
-- Flow 1:

Average throughput: 86.10 Mbit/s

95th percentile per-packet one-way delay: 26.761 ms

Loss rate: 0.00%

Run 3: Report of PCC-Vivace — Data Link



Run 4: Statistics of PCC-Vivace

Start at: 2020-02-17 23:09:34

End at: 2020-02-17 23:10:04

Local clock offset: 6.103 ms

Remote clock offset: -3.492 ms

Below is generated by plot.py at 2020-02-17 23:59:41

Datalink statistics

-- Total of 1 flow:

Average throughput: 86.82 Mbit/s

95th percentile per-packet one-way delay: 27.358 ms

Loss rate: 0.00%

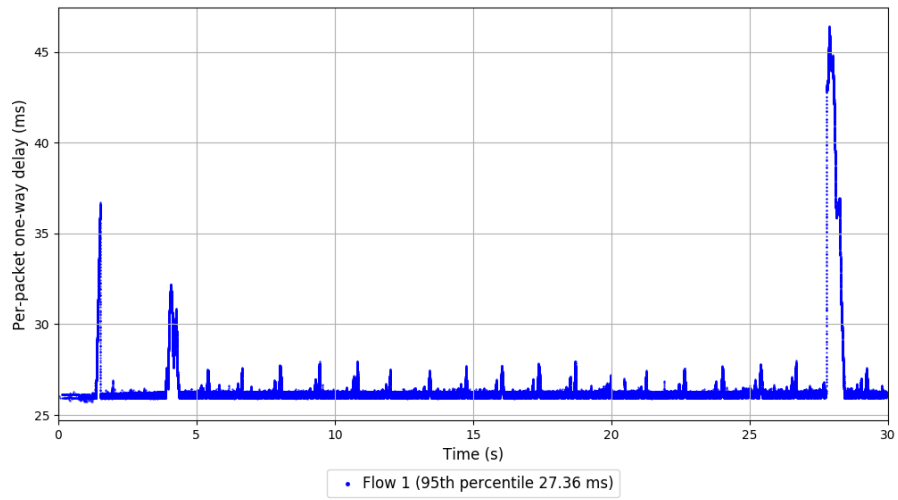
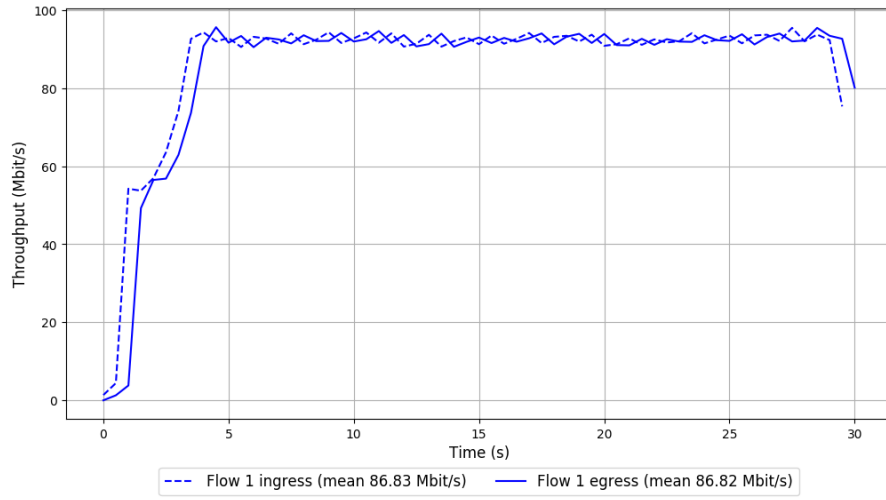
-- Flow 1:

Average throughput: 86.82 Mbit/s

95th percentile per-packet one-way delay: 27.358 ms

Loss rate: 0.00%

Run 4: Report of PCC-Vivace — Data Link



Run 5: Statistics of PCC-Vivace

Start at: 2020-02-17 23:36:47

End at: 2020-02-17 23:37:17

Local clock offset: 5.56 ms

Remote clock offset: -2.935 ms

Below is generated by plot.py at 2020-02-17 23:59:42

Datalink statistics

-- Total of 1 flow:

Average throughput: 84.98 Mbit/s

95th percentile per-packet one-way delay: 31.959 ms

Loss rate: 0.00%

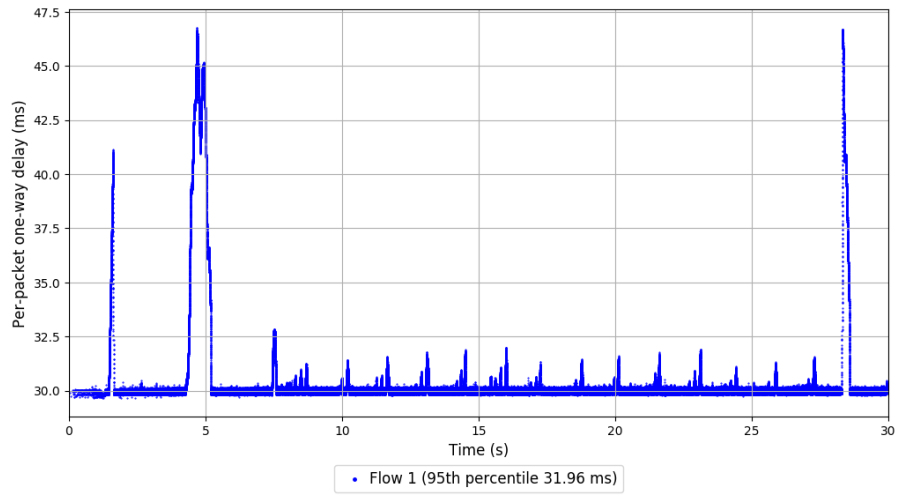
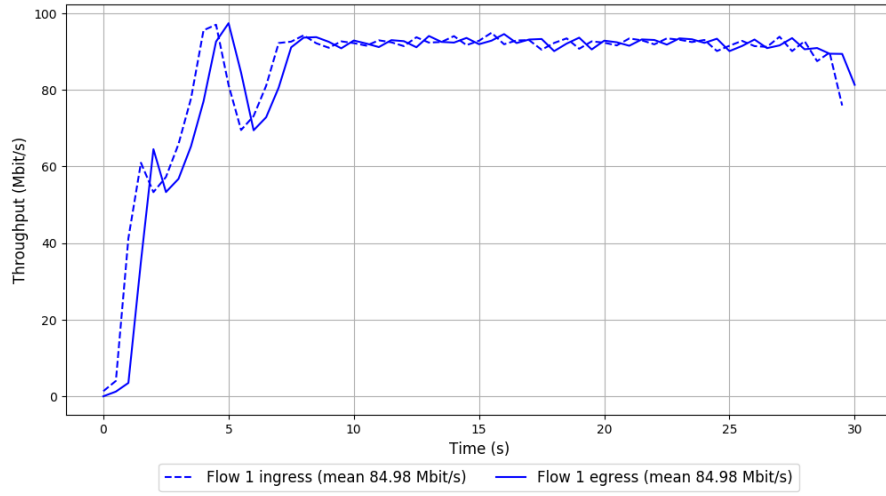
-- Flow 1:

Average throughput: 84.98 Mbit/s

95th percentile per-packet one-way delay: 31.959 ms

Loss rate: 0.00%

Run 5: Report of PCC-Vivace — Data Link



Run 1: Statistics of WebRTC media

Start at: 2020-02-17 21:50:06

End at: 2020-02-17 21:50:36

Local clock offset: 4.688 ms

Remote clock offset: 1.217 ms

Below is generated by plot.py at 2020-02-17 23:59:42

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.05 Mbit/s

95th percentile per-packet one-way delay: 34.627 ms

Loss rate: 0.00%

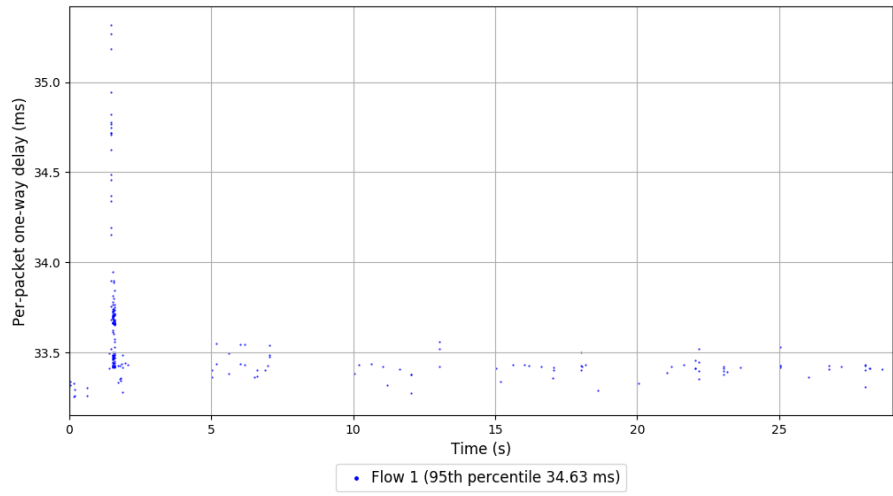
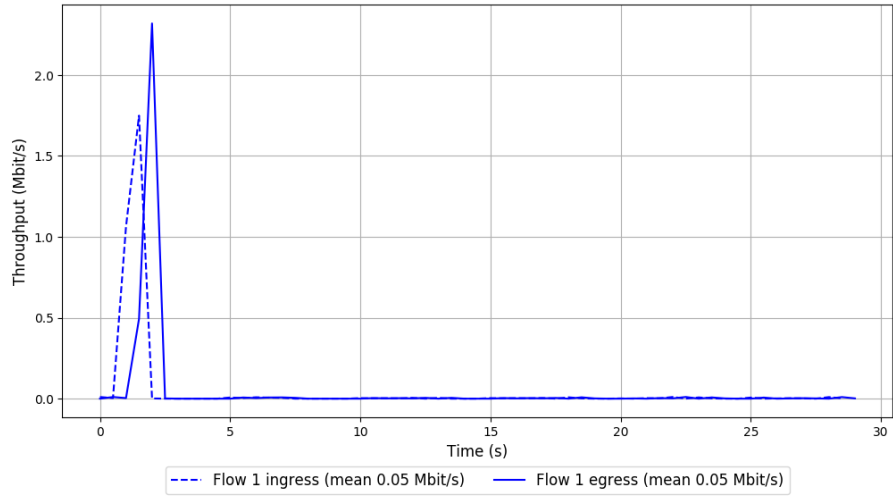
-- Flow 1:

Average throughput: 0.05 Mbit/s

95th percentile per-packet one-way delay: 34.627 ms

Loss rate: 0.00%

Run 1: Report of WebRTC media — Data Link



Run 2: Statistics of WebRTC media

Start at: 2020-02-17 22:17:26

End at: 2020-02-17 22:17:56

Local clock offset: 1.7 ms

Remote clock offset: -3.072 ms

Below is generated by plot.py at 2020-02-17 23:59:42

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.05 Mbit/s

95th percentile per-packet one-way delay: 32.119 ms

Loss rate: 0.00%

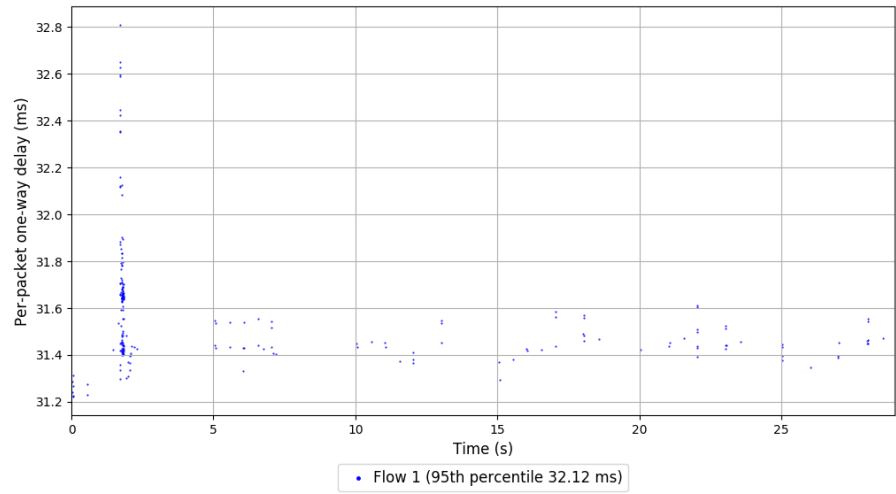
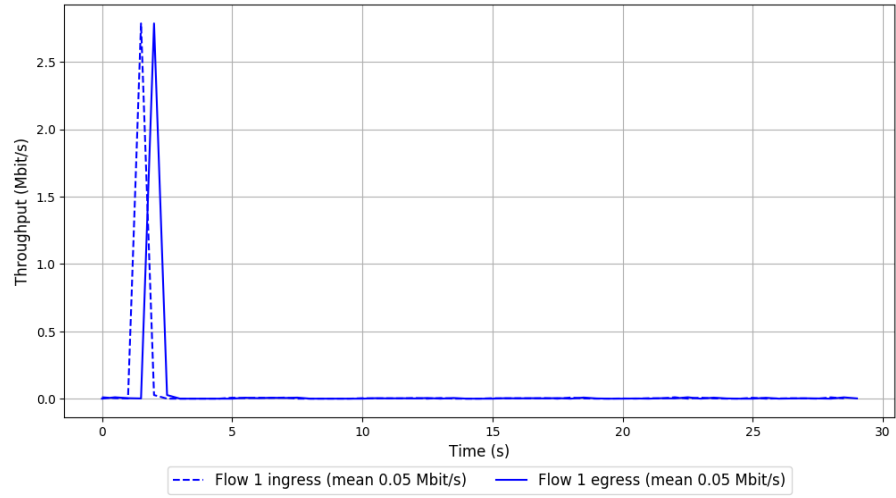
-- Flow 1:

Average throughput: 0.05 Mbit/s

95th percentile per-packet one-way delay: 32.119 ms

Loss rate: 0.00%

Run 2: Report of WebRTC media — Data Link

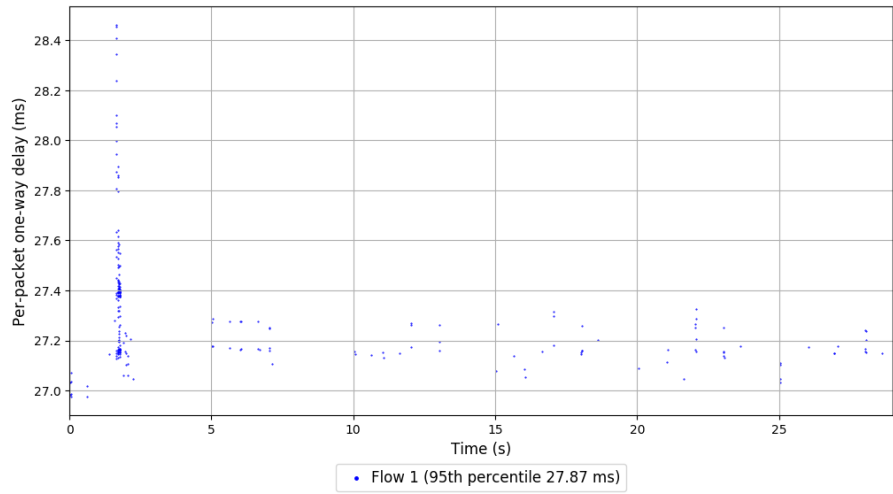
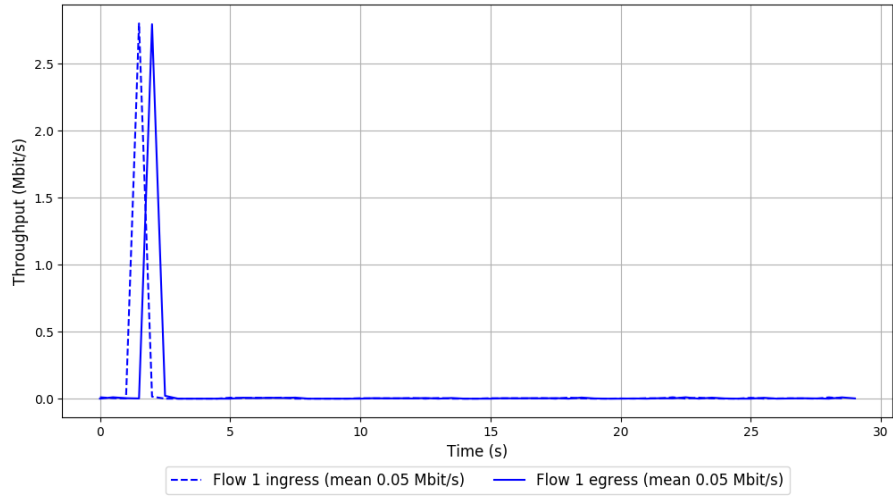


Run 3: Statistics of WebRTC media

Start at: 2020-02-17 22:44:41
End at: 2020-02-17 22:45:11
Local clock offset: 6.168 ms
Remote clock offset: -1.948 ms

Below is generated by plot.py at 2020-02-17 23:59:42
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 27.874 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 27.874 ms
Loss rate: 0.00%

Run 3: Report of WebRTC media — Data Link

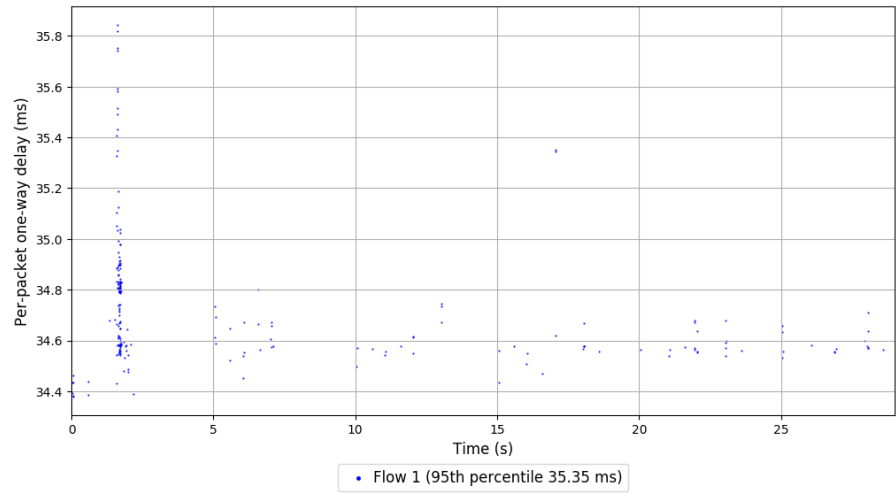
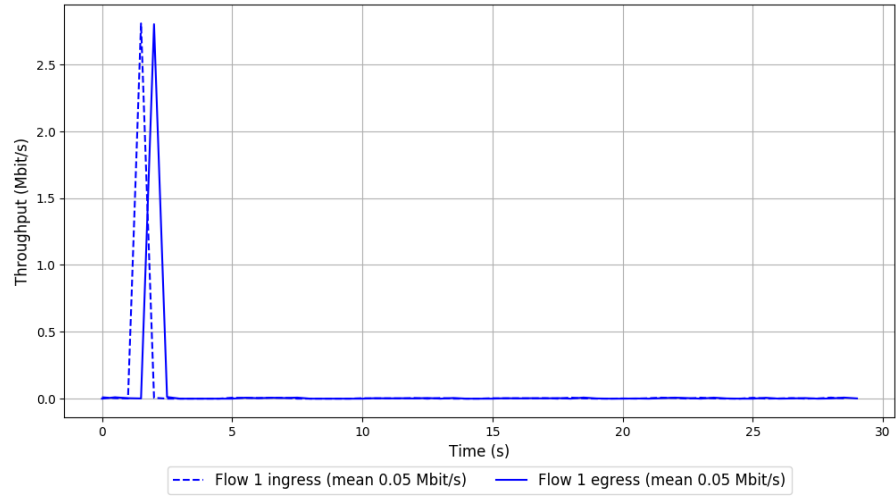


Run 4: Statistics of WebRTC media

Start at: 2020-02-17 23:11:53
End at: 2020-02-17 23:12:23
Local clock offset: 0.989 ms
Remote clock offset: -2.693 ms

```
# Below is generated by plot.py at 2020-02-17 23:59:42
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 35.347 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 35.347 ms
Loss rate: 0.00%
```

Run 4: Report of WebRTC media — Data Link



Run 5: Statistics of WebRTC media

Start at: 2020-02-17 23:39:07

End at: 2020-02-17 23:39:37

Local clock offset: 4.839 ms

Remote clock offset: -4.587 ms

Below is generated by plot.py at 2020-02-17 23:59:42

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.05 Mbit/s

95th percentile per-packet one-way delay: 27.319 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 0.05 Mbit/s

95th percentile per-packet one-way delay: 27.319 ms

Loss rate: 0.00%

Run 5: Report of WebRTC media — Data Link

