

Pantheon Report

Generated at 2020-02-18 01:17:01 (UTC).

Data path: AWS California 1 on `ens5` (*local*) → Stanford on `eno1` (*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 `time.stanford.edu` and have been applied to correct the timestamps in logs.

System info:

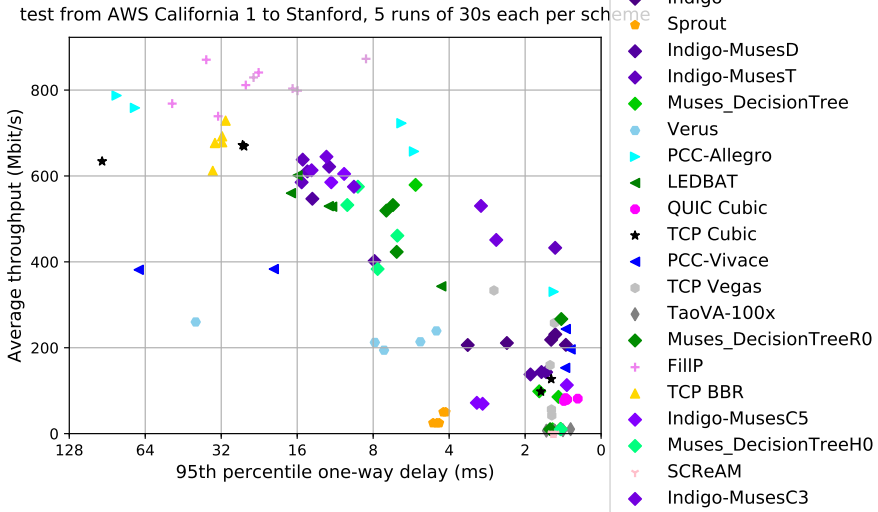
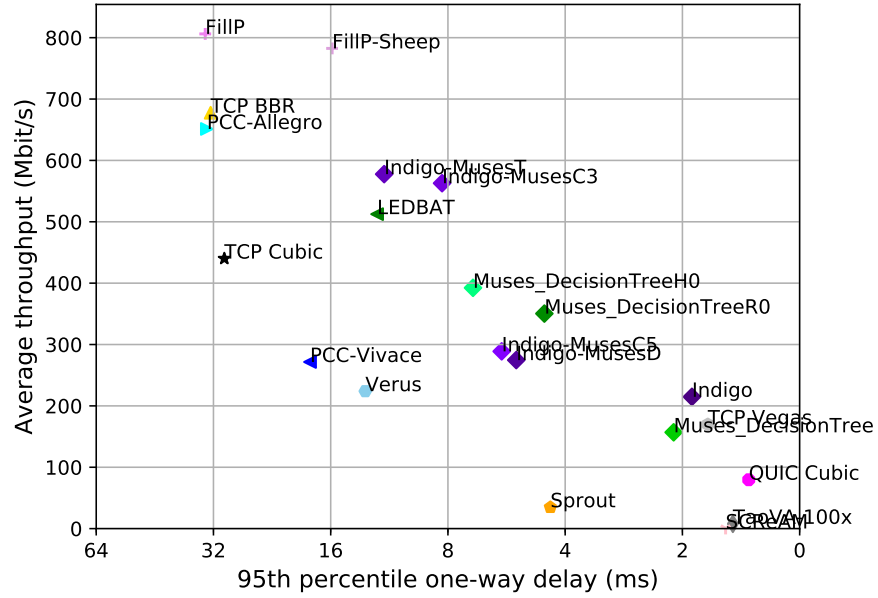
```
Linux 4.15.0-1056-aws
net.core.default_qdisc = fq
net.core.rmem_default = 16777216
net.core.rmem_max = 536870912
net.core.wmem_default = 16777216
net.core.wmem_max = 536870912
net.ipv4.tcp_rmem = 4096 16777216 536870912
net.ipv4.tcp_wmem = 4096 16777216 536870912
```

Git summary:

```
branch: muses @ de42328552b3776a75a932a94dfafd722537b0ec
third_party/fillp @ d6da1459332fcee56963885d7eba17e6a32d4519
third_party/fillp-sheep @ 0e5bb722943babcd2b090d2c64fcd45e12e923f9
third_party/genericCC @ d0153f8e594aa89e93b032143cedbdf58e562f4
third_party/indigo @ 2601c92e4aa9d58d38dc4dfe0ecd90c077e64d
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 California 1 to Stanford, 5 runs of 30s each per scheme
(mean of all runs by scheme)



scheme	# runs	mean avg tput (Mbit/s) flow 1	mean 95th-%ile delay (ms) flow 1	mean loss rate (%) flow 1
TCP BBR	5	677.69	32.53	0.17
Copa	0	N/A	N/A	N/A
TCP Cubic	5	440.00	30.01	0.04
FillP	5	806.15	33.59	5.91
FillP-Sheep	5	782.53	15.87	3.17
Indigo	5	214.77	1.84	0.01
Indigo-MusesC3	5	562.86	8.28	0.02
Indigo-MusesC5	5	288.88	5.82	0.04
Indigo-MusesD	5	274.63	5.34	0.02
Indigo-MusesT	5	577.63	11.66	0.05
LEDBAT	5	512.47	12.16	0.03
Muses_DecisionTree	5	156.92	2.11	0.01
Muses_DecisionTreeH0	5	392.38	6.90	0.04
Muses_DecisionTreeR0	5	350.40	4.52	0.01
PCC-Allegro	5	651.24	33.27	0.65
PCC-Expr	0	N/A	N/A	N/A
QUIC Cubic	5	79.64	0.87	0.00
SCReAM	5	0.22	1.26	0.00
Sprout	5	34.81	4.37	0.01
TaoVA-100x	5	7.76	1.14	43.18
TCP Vegas	5	169.81	1.57	0.01
Verus	5	223.96	13.04	2.11
PCC-Vivace	5	271.54	18.08	0.00
WebRTC media	0	N/A	N/A	N/A

Run 1: Statistics of TCP BBR

Start at: 2020-02-17 21:38:44

End at: 2020-02-17 21:39:14

Local clock offset: 2.223 ms

Remote clock offset: 0.101 ms

Below is generated by plot.py at 2020-02-18 00:29:22

Datalink statistics

-- Total of 1 flow:

Average throughput: 611.85 Mbit/s

95th percentile per-packet one-way delay: 34.567 ms

Loss rate: 0.16%

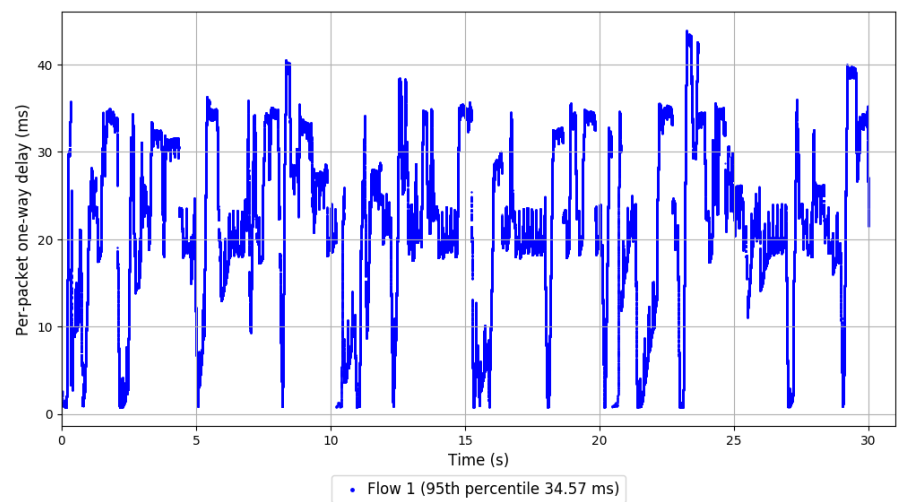
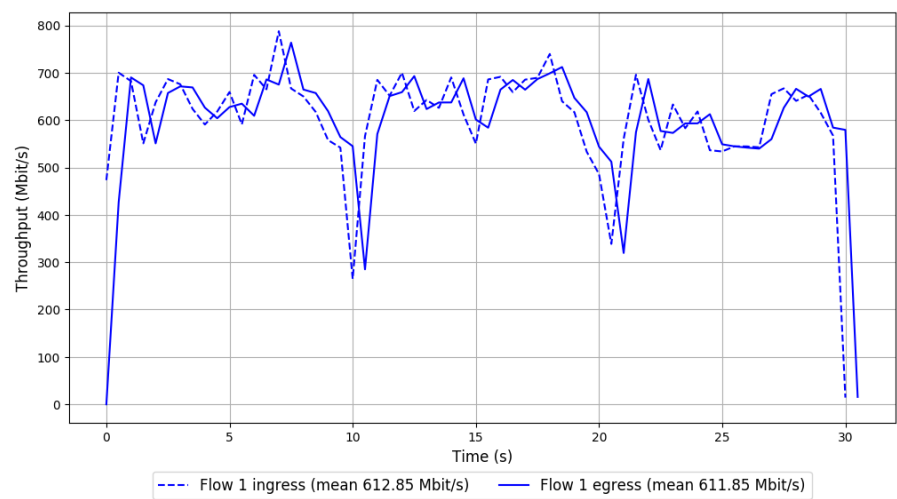
-- Flow 1:

Average throughput: 611.85 Mbit/s

95th percentile per-packet one-way delay: 34.567 ms

Loss rate: 0.16%

Run 1: Report of TCP BBR — Data Link



Run 2: Statistics of TCP BBR

Start at: 2020-02-17 22:12:15

End at: 2020-02-17 22:12:45

Local clock offset: 4.665 ms

Remote clock offset: 0.432 ms

Below is generated by plot.py at 2020-02-18 00:29:51

Datalink statistics

-- Total of 1 flow:

Average throughput: 676.76 Mbit/s

95th percentile per-packet one-way delay: 33.881 ms

Loss rate: 0.18%

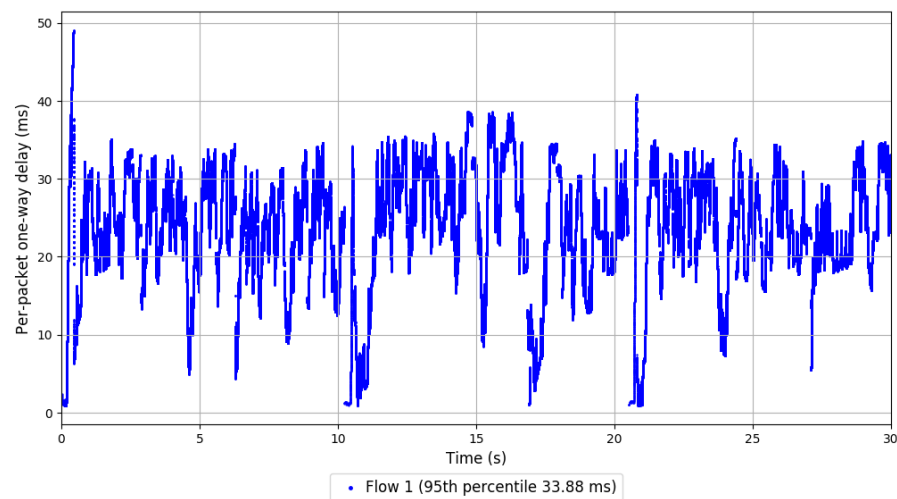
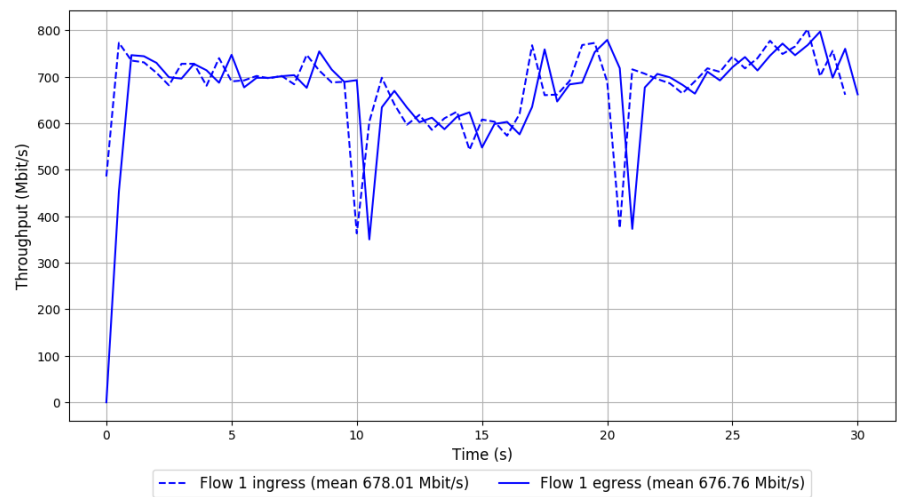
-- Flow 1:

Average throughput: 676.76 Mbit/s

95th percentile per-packet one-way delay: 33.881 ms

Loss rate: 0.18%

Run 2: Report of TCP BBR — Data Link



Run 3: Statistics of TCP BBR

Start at: 2020-02-17 22:45:37

End at: 2020-02-17 22:46:07

Local clock offset: 3.891 ms

Remote clock offset: 0.043 ms

Below is generated by plot.py at 2020-02-18 00:29:51

Datalink statistics

-- Total of 1 flow:

Average throughput: 678.65 Mbit/s

95th percentile per-packet one-way delay: 31.729 ms

Loss rate: 0.15%

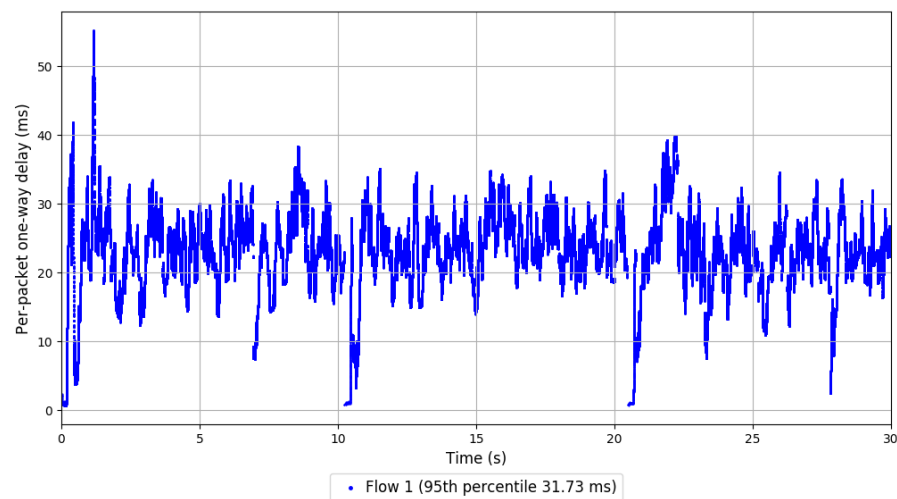
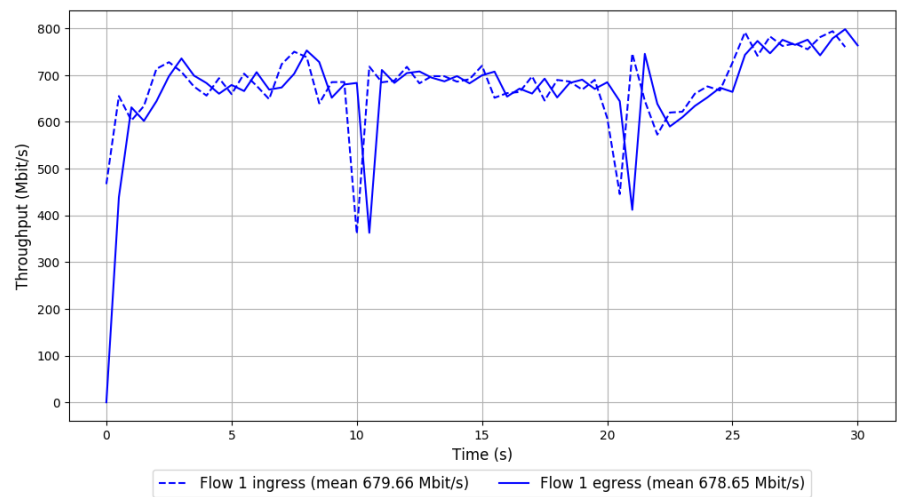
-- Flow 1:

Average throughput: 678.65 Mbit/s

95th percentile per-packet one-way delay: 31.729 ms

Loss rate: 0.15%

Run 3: Report of TCP BBR — Data Link



Run 4: Statistics of TCP BBR

Start at: 2020-02-17 23:18:41

End at: 2020-02-17 23:19:11

Local clock offset: 2.423 ms

Remote clock offset: 0.104 ms

Below is generated by plot.py at 2020-02-18 00:30:18

Datalink statistics

-- Total of 1 flow:

Average throughput: 728.87 Mbit/s

95th percentile per-packet one-way delay: 30.747 ms

Loss rate: 0.22%

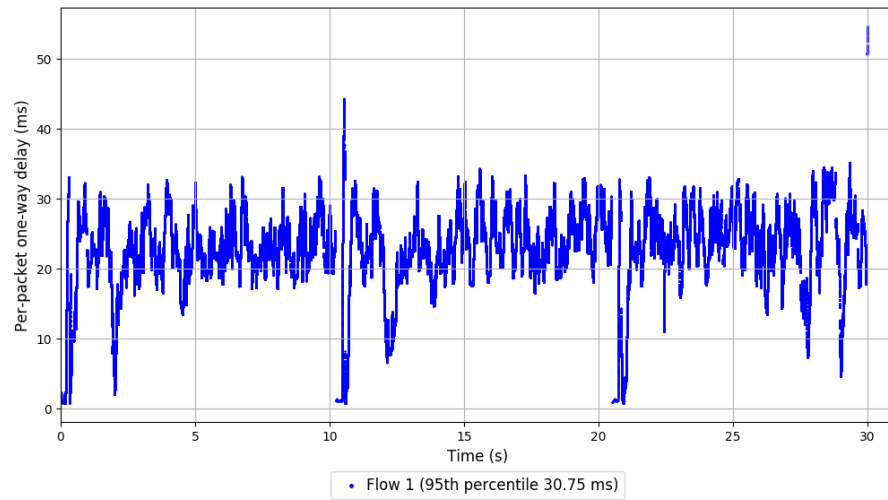
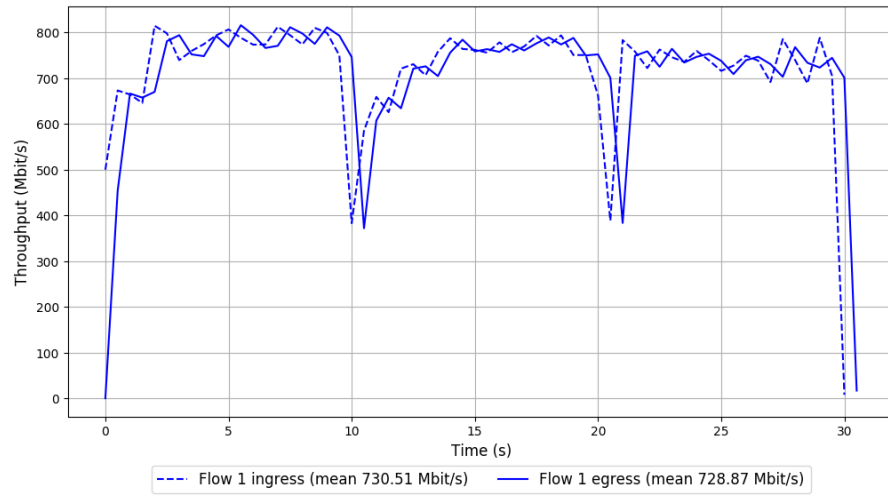
-- Flow 1:

Average throughput: 728.87 Mbit/s

95th percentile per-packet one-way delay: 30.747 ms

Loss rate: 0.22%

Run 4: Report of TCP BBR — Data Link



Run 5: Statistics of TCP BBR

Start at: 2020-02-17 23:51:59

End at: 2020-02-17 23:52:29

Local clock offset: 1.55 ms

Remote clock offset: 0.178 ms

Below is generated by plot.py at 2020-02-18 00:30:18

Datalink statistics

-- Total of 1 flow:

Average throughput: 692.34 Mbit/s

95th percentile per-packet one-way delay: 31.746 ms

Loss rate: 0.15%

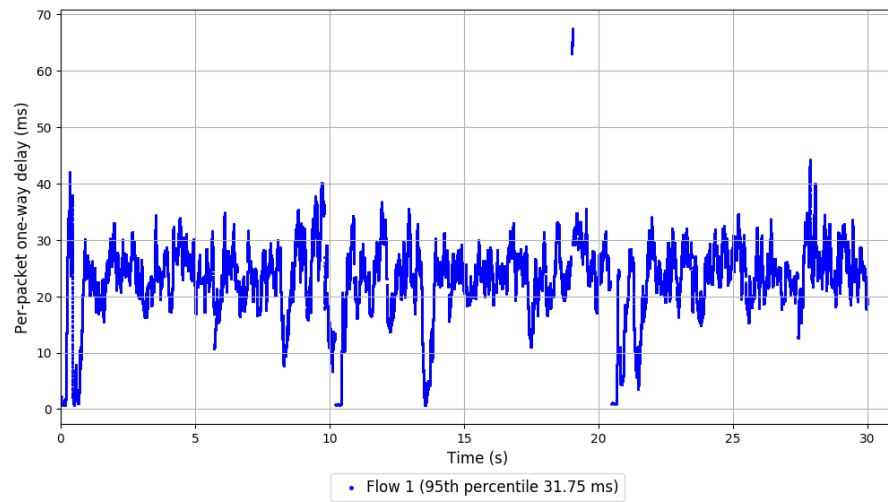
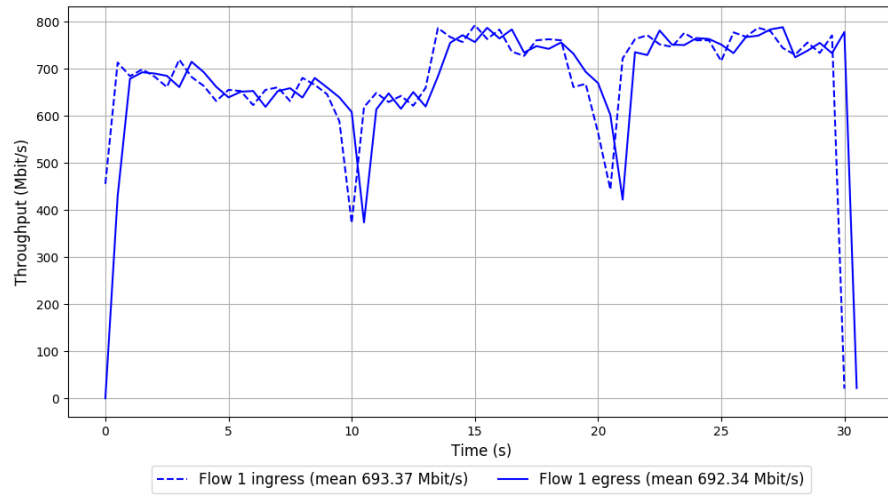
-- Flow 1:

Average throughput: 692.34 Mbit/s

95th percentile per-packet one-way delay: 31.746 ms

Loss rate: 0.15%

Run 5: Report of TCP BBR — Data Link



Run 1: Statistics of Copa

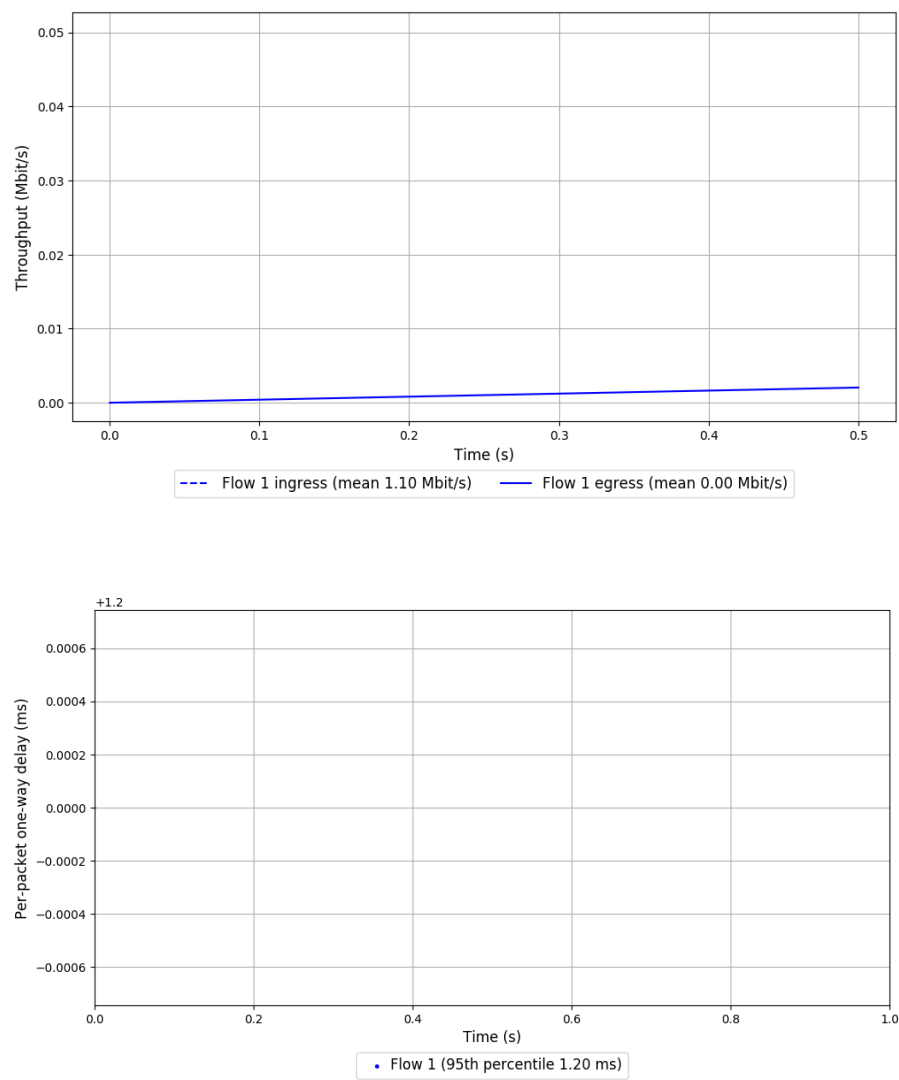
Start at: 2020-02-17 21:33:32

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

Local clock offset: 1.669 ms

Remote clock offset: 0.089 ms

Run 1: Report of Copa — Data Link



Run 2: Statistics of Copa

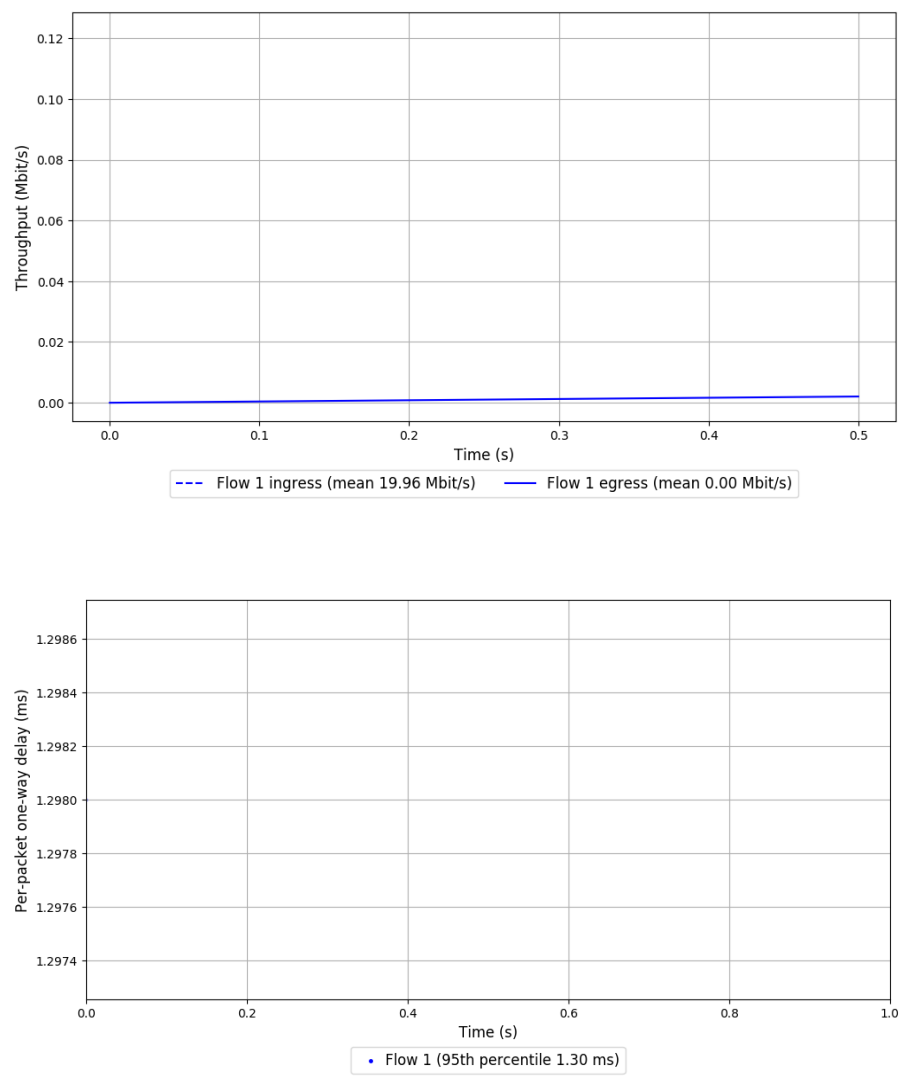
Start at: 2020-02-17 22:06:45

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

Local clock offset: 3.981 ms

Remote clock offset: 0.37 ms

Run 2: Report of Copa — Data Link



Run 3: Statistics of Copa

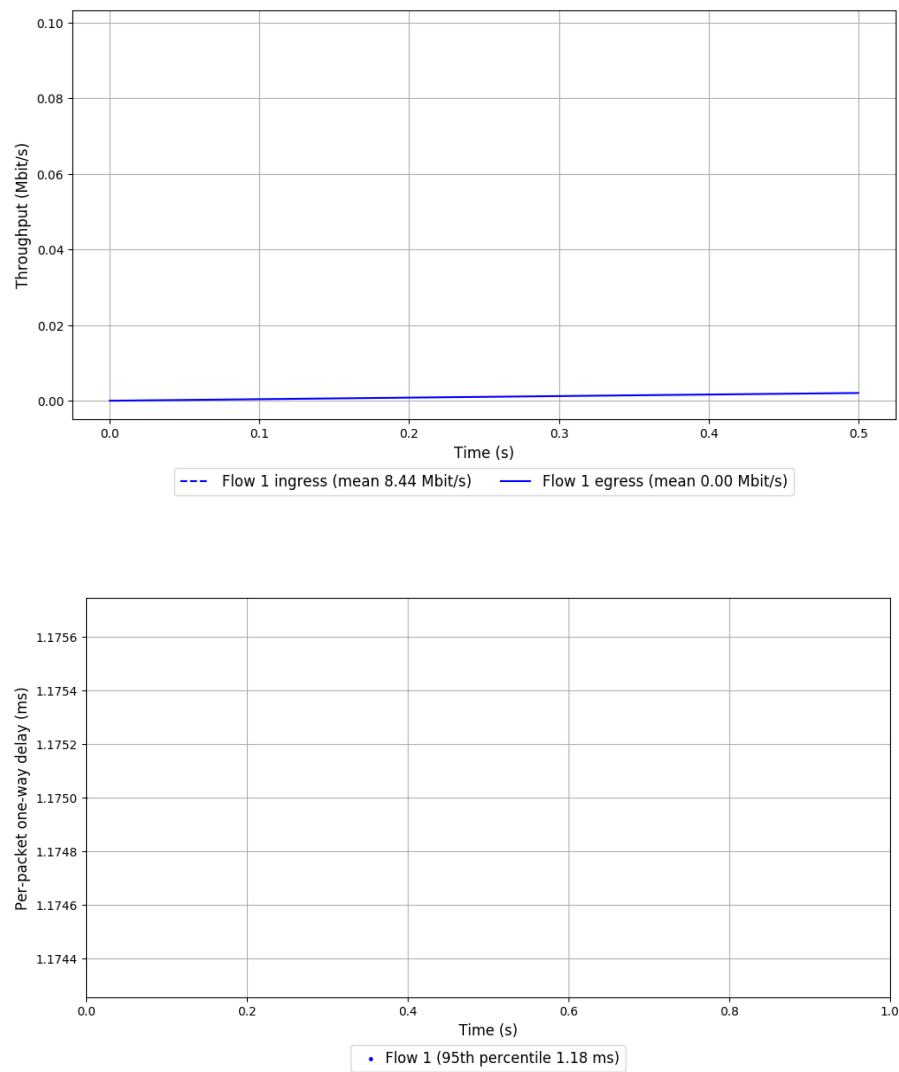
Start at: 2020-02-17 22:40:24

End at: 2020-02-17 22:40:54

Local clock offset: 3.985 ms

Remote clock offset: 0.357 ms

Run 3: Report of Copa — Data Link



Run 4: Statistics of Copa

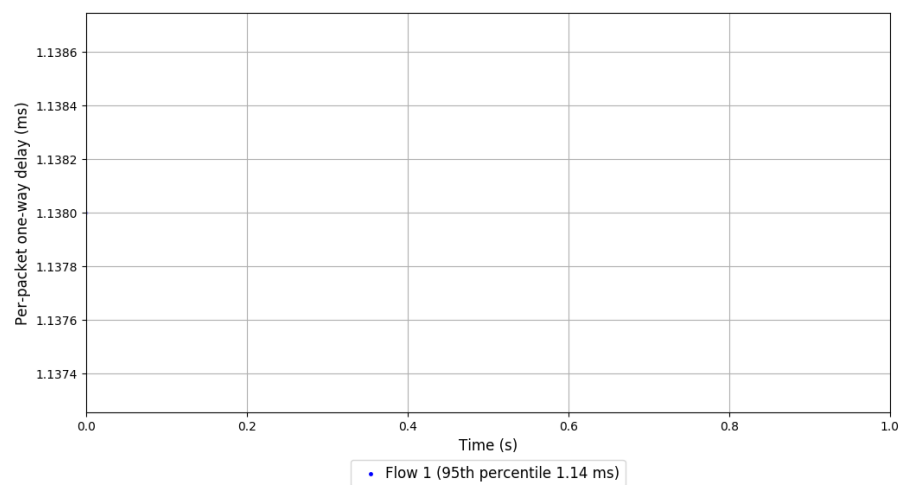
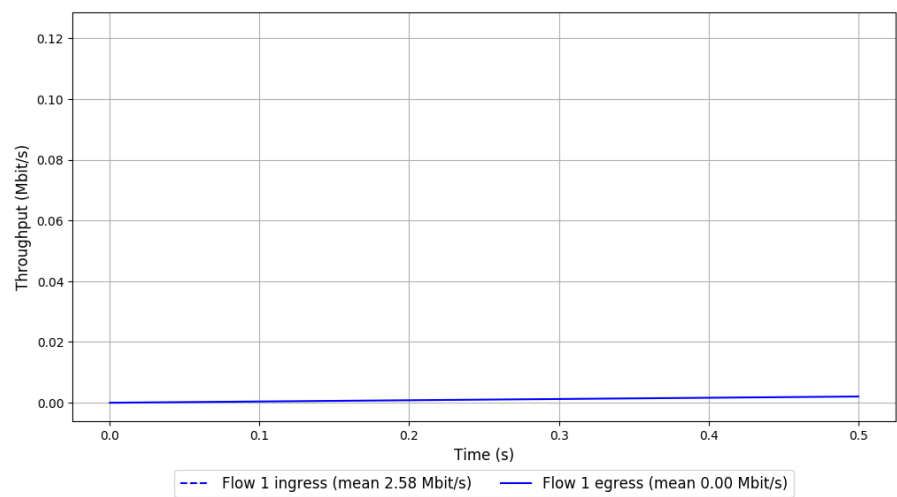
Start at: 2020-02-17 23:13:38

End at: 2020-02-17 23:14:08

Local clock offset: 2.335 ms

Remote clock offset: -0.001 ms

Run 4: Report of Copa — Data Link



Run 5: Statistics of Copa

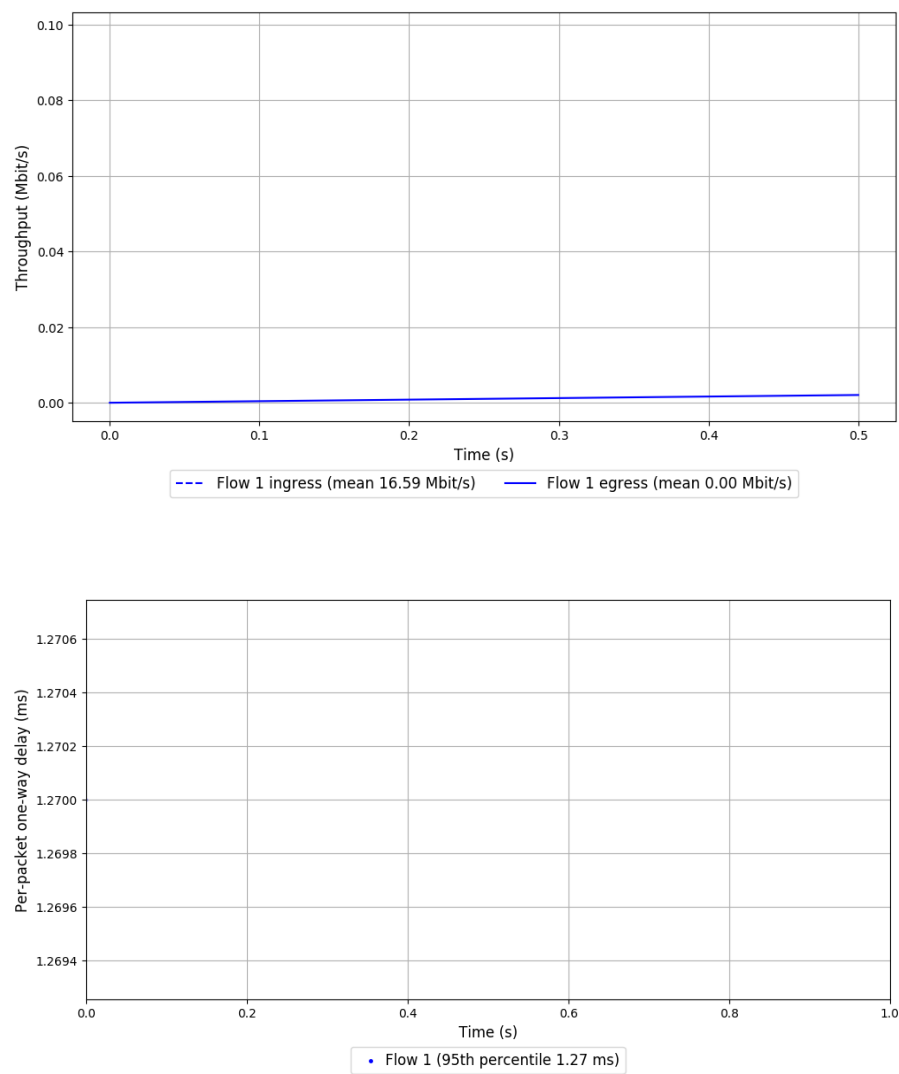
Start at: 2020-02-17 23:46:49

End at: 2020-02-17 23:47:19

Local clock offset: 1.469 ms

Remote clock offset: 0.312 ms

Run 5: Report of Copa — Data Link



Run 1: Statistics of TCP Cubic

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

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

Local clock offset: 3.033 ms

Remote clock offset: 0.146 ms

Below is generated by plot.py at 2020-02-18 00:30:18

Datalink statistics

-- Total of 1 flow:

Average throughput: 669.02 Mbit/s

95th percentile per-packet one-way delay: 25.973 ms

Loss rate: 0.08%

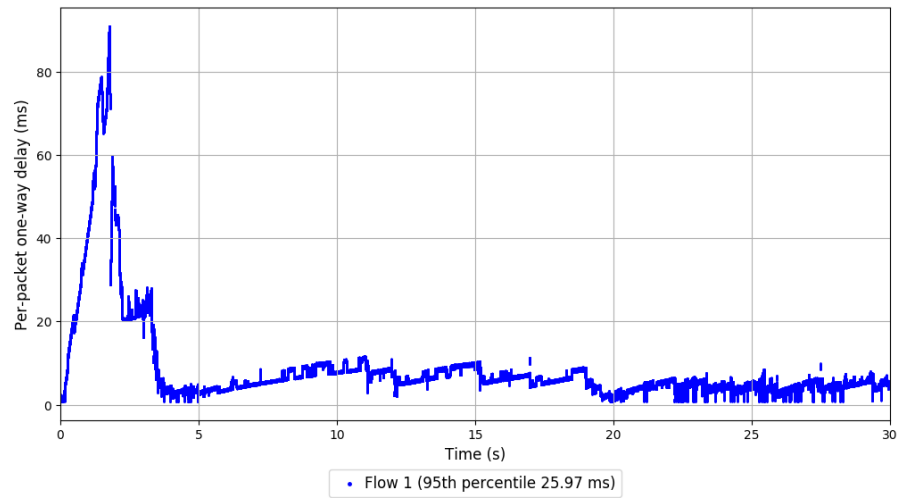
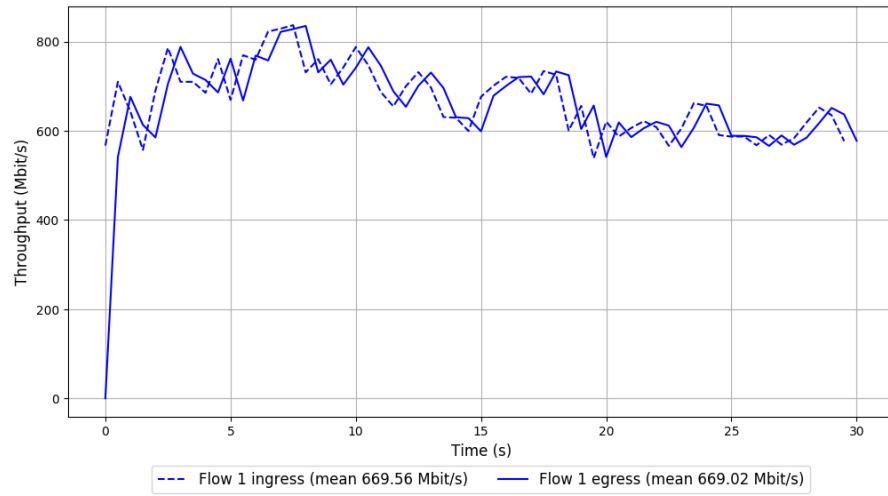
-- Flow 1:

Average throughput: 669.02 Mbit/s

95th percentile per-packet one-way delay: 25.973 ms

Loss rate: 0.08%

Run 1: Report of TCP Cubic — Data Link



Run 2: Statistics of TCP Cubic

Start at: 2020-02-17 22:23:41

End at: 2020-02-17 22:24:11

Local clock offset: 6.854 ms

Remote clock offset: 0.476 ms

Below is generated by plot.py at 2020-02-18 00:30:18

Datalink statistics

-- Total of 1 flow:

Average throughput: 98.04 Mbit/s

95th percentile per-packet one-way delay: 1.583 ms

Loss rate: 0.01%

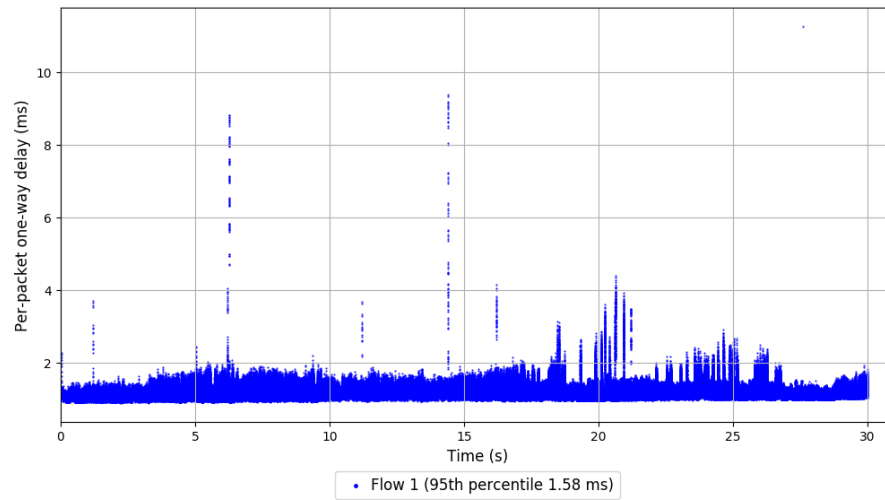
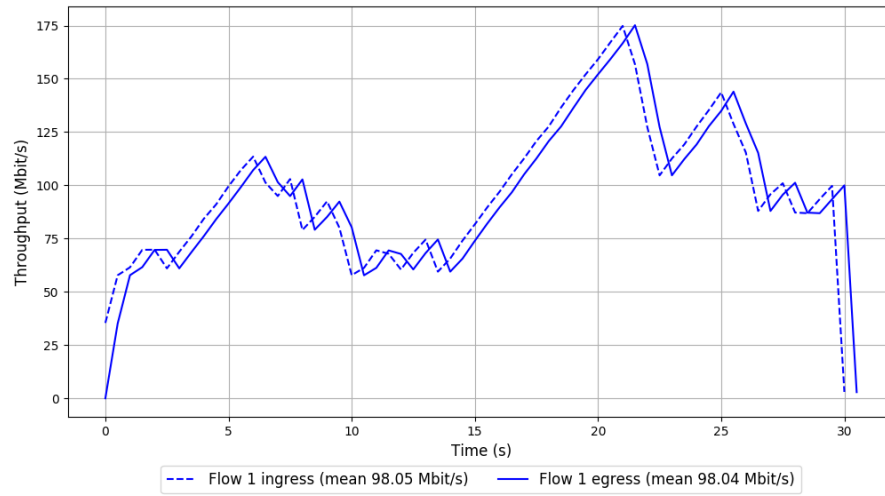
-- Flow 1:

Average throughput: 98.04 Mbit/s

95th percentile per-packet one-way delay: 1.583 ms

Loss rate: 0.01%

Run 2: Report of TCP Cubic — Data Link

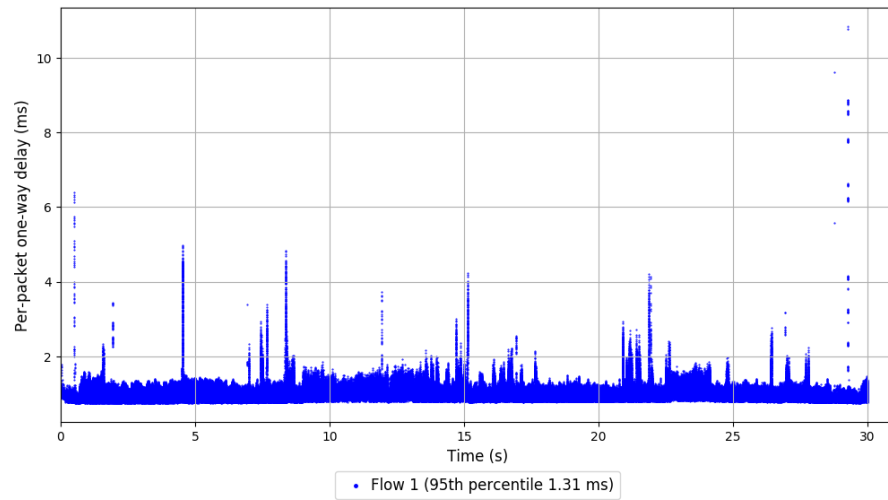
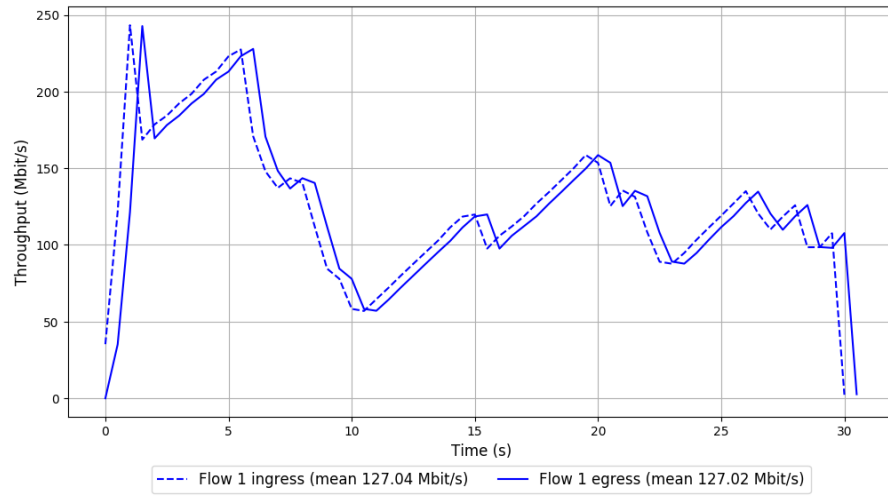


Run 3: Statistics of TCP Cubic

Start at: 2020-02-17 22:57:10
End at: 2020-02-17 22:57:40
Local clock offset: 4.742 ms
Remote clock offset: -0.154 ms

Below is generated by plot.py at 2020-02-18 00:30:18
Datalink statistics
-- Total of 1 flow:
Average throughput: 127.02 Mbit/s
95th percentile per-packet one-way delay: 1.313 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 127.02 Mbit/s
95th percentile per-packet one-way delay: 1.313 ms
Loss rate: 0.01%

Run 3: Report of TCP Cubic — Data Link



Run 4: Statistics of TCP Cubic

Start at: 2020-02-17 23:29:57

End at: 2020-02-17 23:30:27

Local clock offset: 2.512 ms

Remote clock offset: 0.24 ms

Below is generated by plot.py at 2020-02-18 00:30:42

Datalink statistics

-- Total of 1 flow:

Average throughput: 671.84 Mbit/s

95th percentile per-packet one-way delay: 26.324 ms

Loss rate: 0.07%

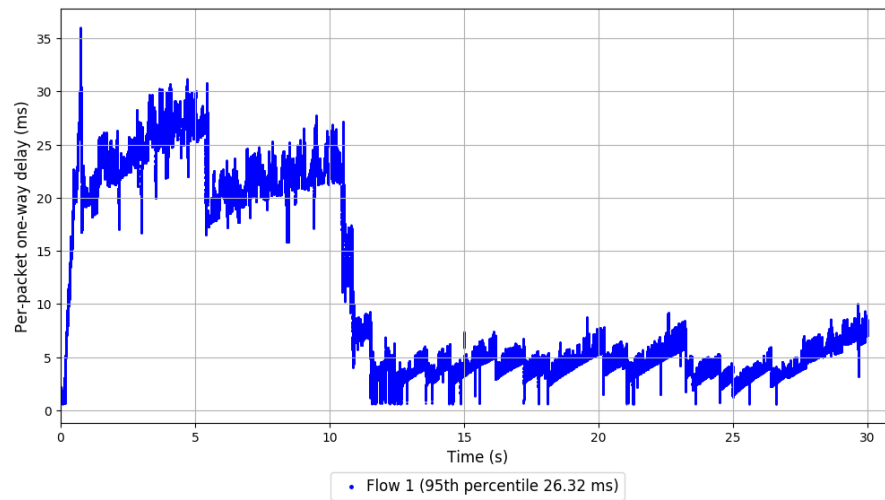
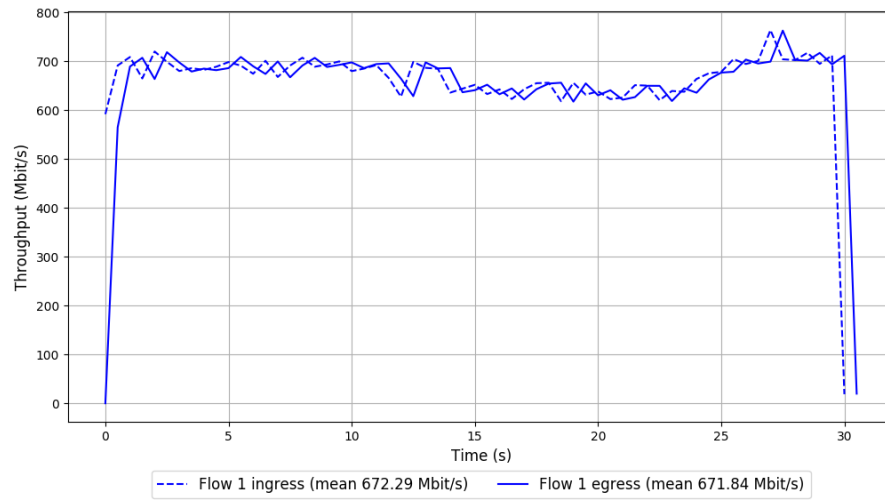
-- Flow 1:

Average throughput: 671.84 Mbit/s

95th percentile per-packet one-way delay: 26.324 ms

Loss rate: 0.07%

Run 4: Report of TCP Cubic — Data Link



Run 5: Statistics of TCP Cubic

Start at: 2020-02-18 00:03:15

End at: 2020-02-18 00:03:45

Local clock offset: 1.057 ms

Remote clock offset: 0.18 ms

Below is generated by plot.py at 2020-02-18 00:30:42

Datalink statistics

-- Total of 1 flow:

Average throughput: 634.07 Mbit/s

95th percentile per-packet one-way delay: 94.855 ms

Loss rate: 0.03%

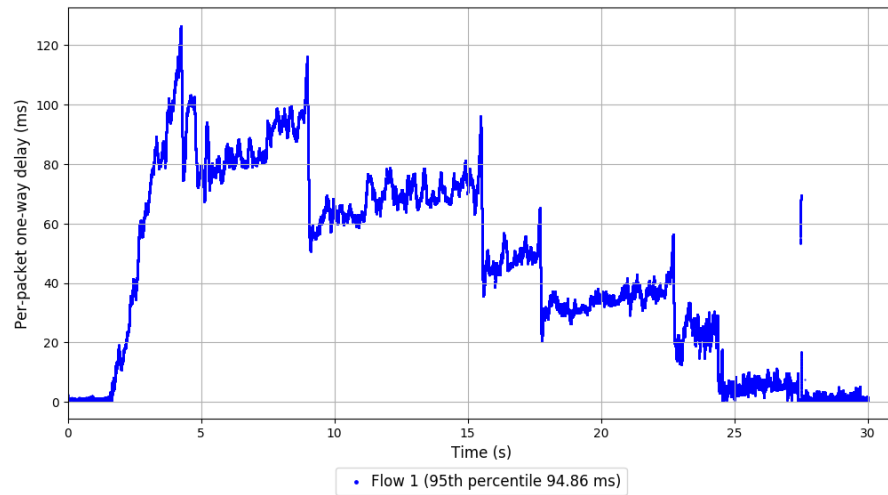
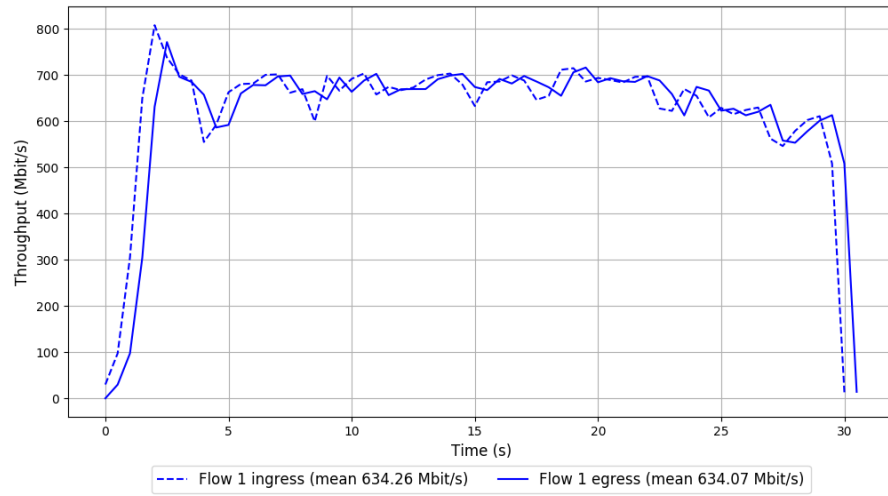
-- Flow 1:

Average throughput: 634.07 Mbit/s

95th percentile per-packet one-way delay: 94.855 ms

Loss rate: 0.03%

Run 5: Report of TCP Cubic — Data Link



Run 1: Statistics of FillP

Start at: 2020-02-17 22:01:18

End at: 2020-02-17 22:01:48

Local clock offset: 4.006 ms

Remote clock offset: 0.376 ms

Below is generated by plot.py at 2020-02-18 00:40:39

Datalink statistics

-- Total of 1 flow:

Average throughput: 840.88 Mbit/s

95th percentile per-packet one-way delay: 22.749 ms

Loss rate: 5.54%

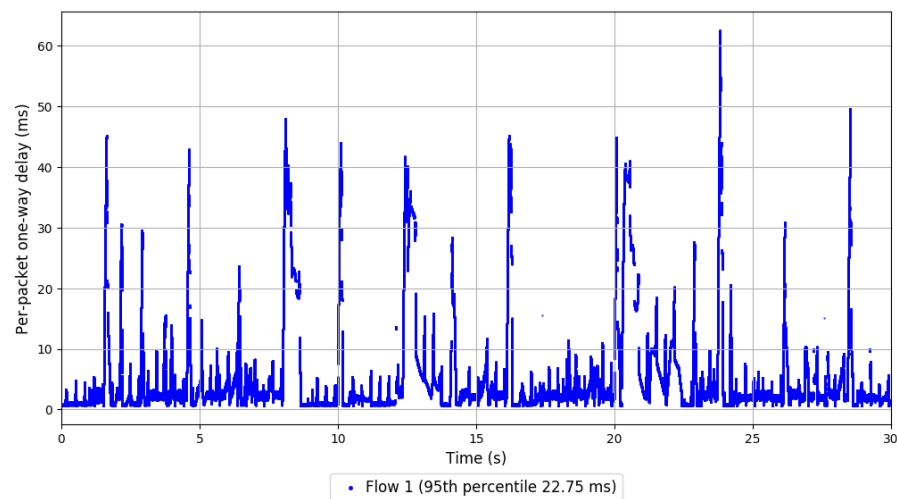
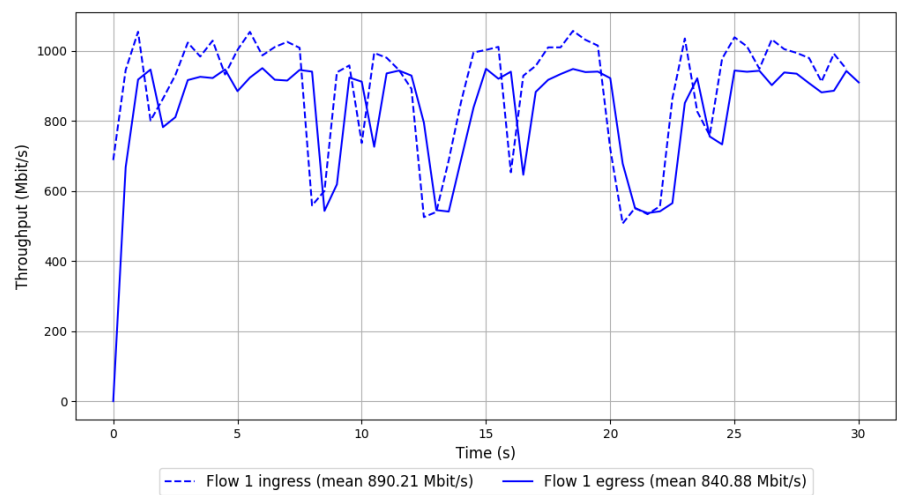
-- Flow 1:

Average throughput: 840.88 Mbit/s

95th percentile per-packet one-way delay: 22.749 ms

Loss rate: 5.54%

Run 1: Report of FillP — Data Link



Run 2: Statistics of FillP

Start at: 2020-02-17 22:34:50

End at: 2020-02-17 22:35:20

Local clock offset: 4.873 ms

Remote clock offset: 0.659 ms

Below is generated by plot.py at 2020-02-18 00:41:21

Datalink statistics

-- Total of 1 flow:

Average throughput: 870.69 Mbit/s

95th percentile per-packet one-way delay: 36.679 ms

Loss rate: 8.31%

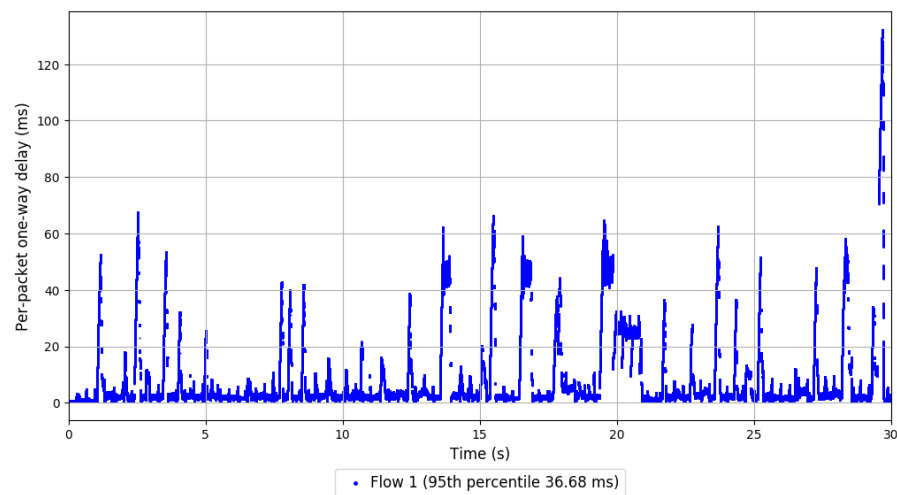
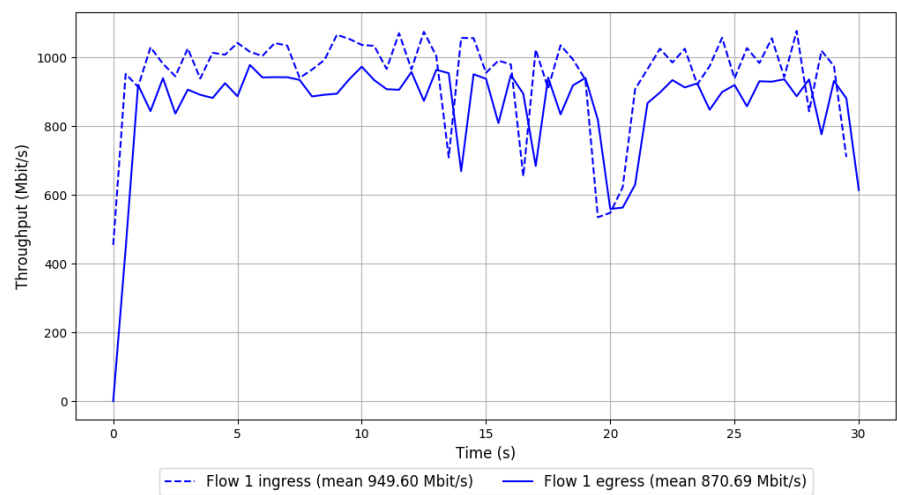
-- Flow 1:

Average throughput: 870.69 Mbit/s

95th percentile per-packet one-way delay: 36.679 ms

Loss rate: 8.31%

Run 2: Report of FillP — Data Link

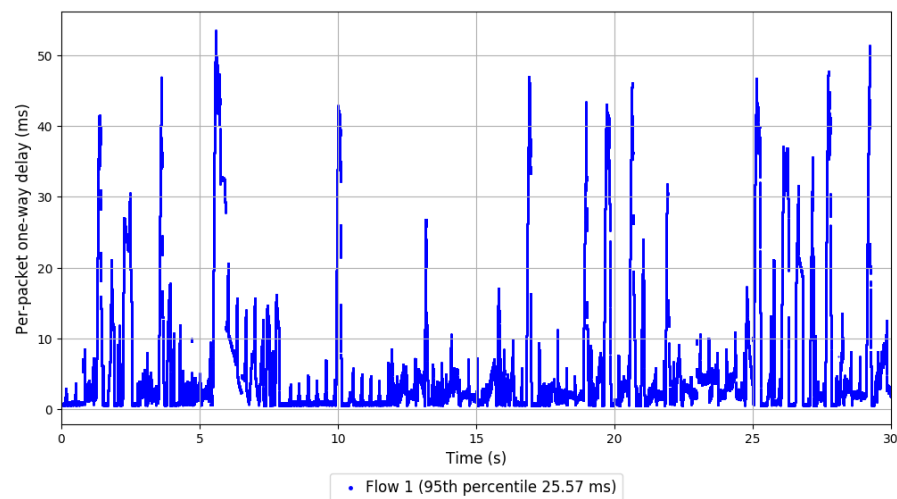
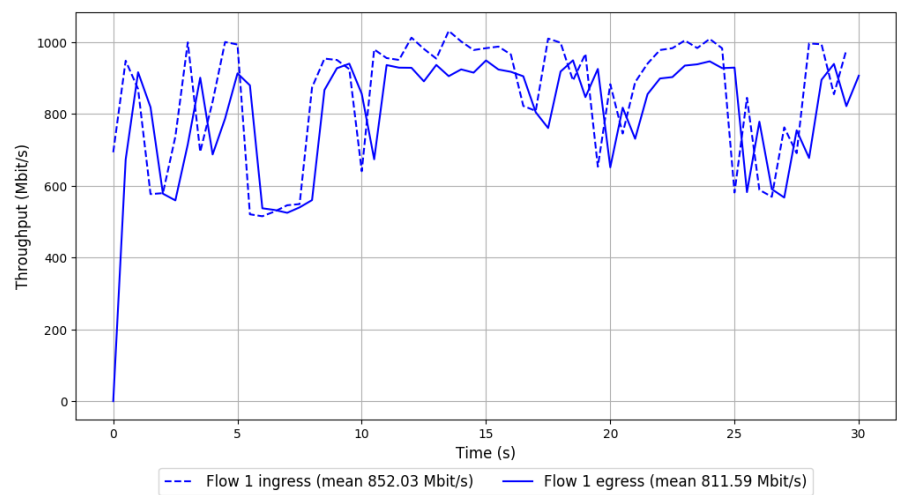


Run 3: Statistics of FillP

Start at: 2020-02-17 23:08:03
End at: 2020-02-17 23:08:33
Local clock offset: 2.585 ms
Remote clock offset: -0.269 ms

Below is generated by plot.py at 2020-02-18 00:41:21
Datalink statistics
-- Total of 1 flow:
Average throughput: 811.59 Mbit/s
95th percentile per-packet one-way delay: 25.574 ms
Loss rate: 4.74%
-- Flow 1:
Average throughput: 811.59 Mbit/s
95th percentile per-packet one-way delay: 25.574 ms
Loss rate: 4.74%

Run 3: Report of FillP — Data Link



Run 4: Statistics of FillP

Start at: 2020-02-17 23:41:16

End at: 2020-02-17 23:41:46

Local clock offset: 1.473 ms

Remote clock offset: 0.338 ms

Below is generated by plot.py at 2020-02-18 00:41:21

Datalink statistics

-- Total of 1 flow:

Average throughput: 739.06 Mbit/s

95th percentile per-packet one-way delay: 32.922 ms

Loss rate: 5.63%

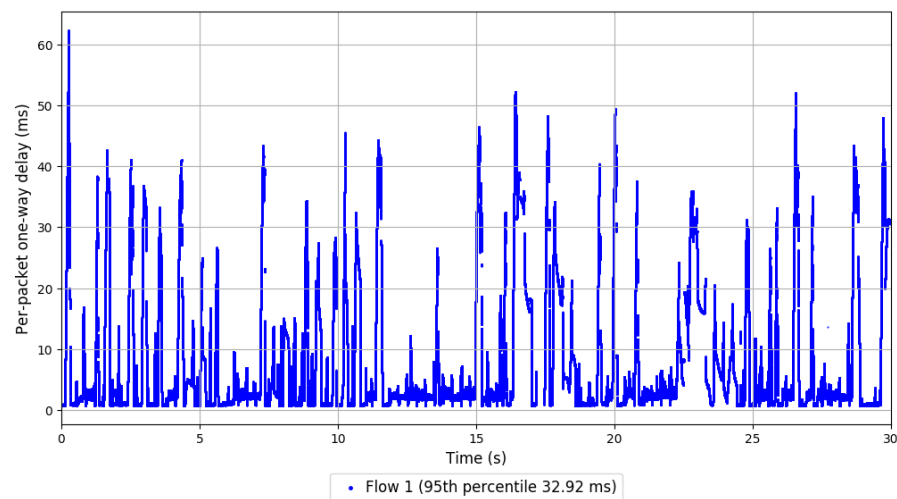
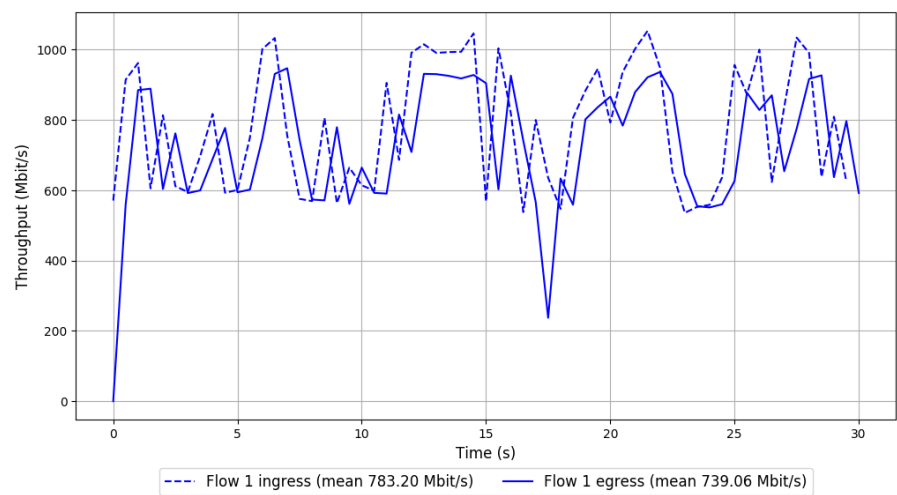
-- Flow 1:

Average throughput: 739.06 Mbit/s

95th percentile per-packet one-way delay: 32.922 ms

Loss rate: 5.63%

Run 4: Report of FillP — Data Link



Run 5: Statistics of FillP

Start at: 2020-02-18 00:14:22

End at: 2020-02-18 00:14:52

Local clock offset: 0.597 ms

Remote clock offset: 0.225 ms

Below is generated by plot.py at 2020-02-18 00:41:21

Datalink statistics

-- Total of 1 flow:

Average throughput: 768.51 Mbit/s

95th percentile per-packet one-way delay: 50.050 ms

Loss rate: 5.31%

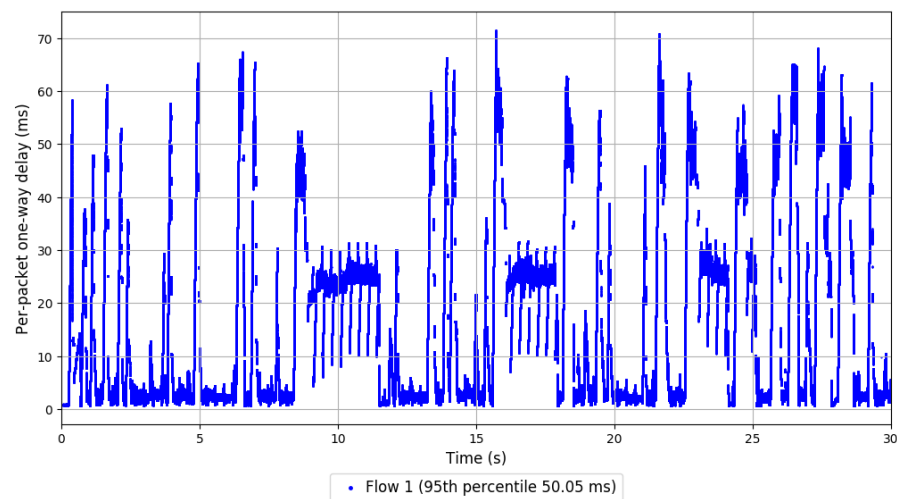
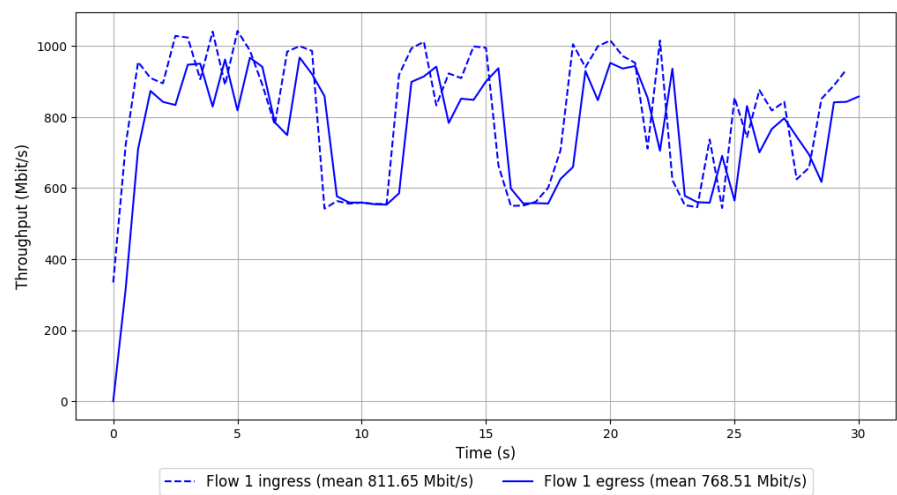
-- Flow 1:

Average throughput: 768.51 Mbit/s

95th percentile per-packet one-way delay: 50.050 ms

Loss rate: 5.31%

Run 5: Report of FillP — Data Link



Run 1: Statistics of FillP-Sheep

Start at: 2020-02-17 21:44:12

End at: 2020-02-17 21:44:42

Local clock offset: 3.494 ms

Remote clock offset: 0.139 ms

Below is generated by plot.py at 2020-02-18 00:41:50

Datalink statistics

-- Total of 1 flow:

Average throughput: 872.76 Mbit/s

95th percentile per-packet one-way delay: 8.540 ms

Loss rate: 3.44%

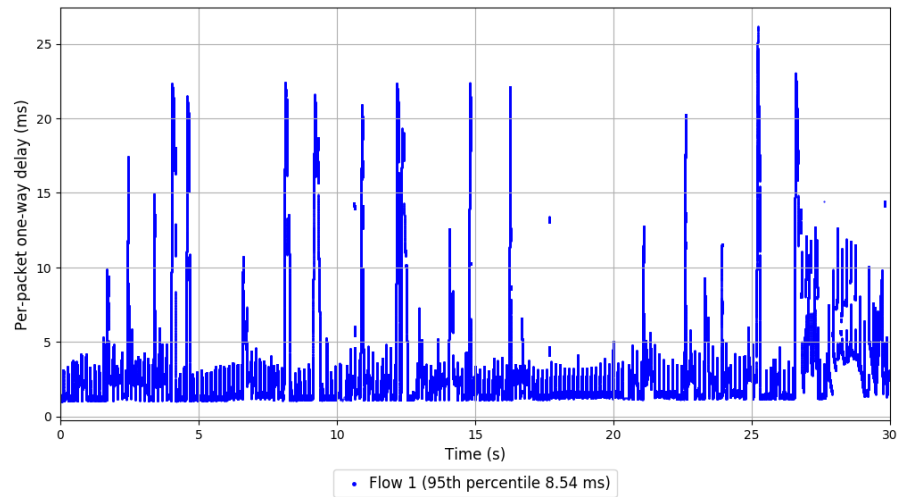
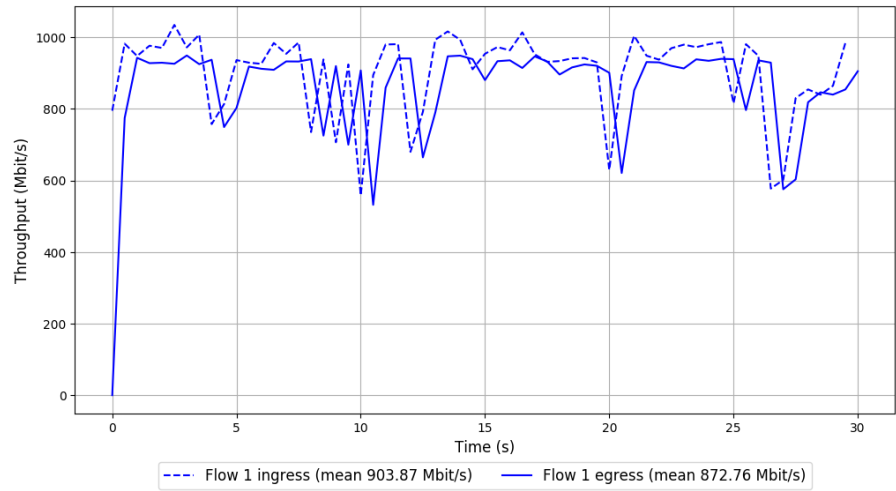
-- Flow 1:

Average throughput: 872.76 Mbit/s

95th percentile per-packet one-way delay: 8.540 ms

Loss rate: 3.44%

Run 1: Report of FillP-Sheep — Data Link



Run 2: Statistics of FillP-Sheep

Start at: 2020-02-17 22:17:45

End at: 2020-02-17 22:18:15

Local clock offset: 5.613 ms

Remote clock offset: 0.35 ms

Below is generated by plot.py at 2020-02-18 00:41:50

Datalink statistics

-- Total of 1 flow:

Average throughput: 829.37 Mbit/s

95th percentile per-packet one-way delay: 23.820 ms

Loss rate: 5.67%

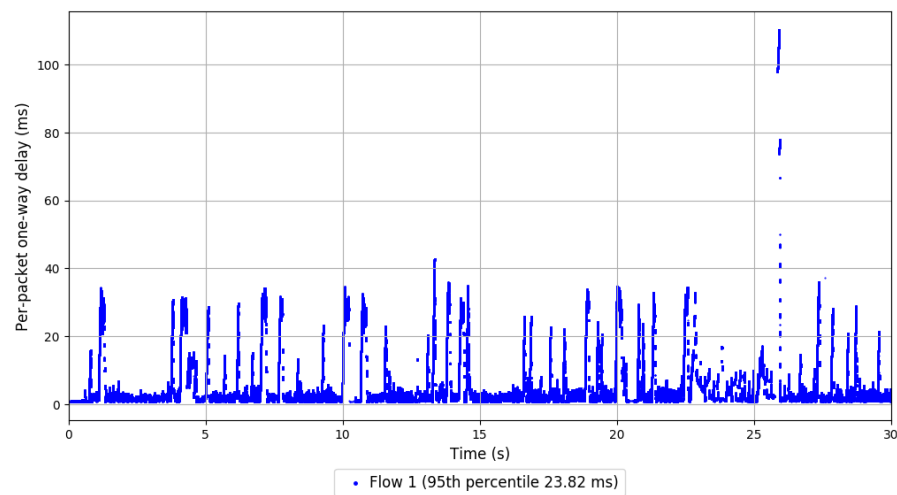
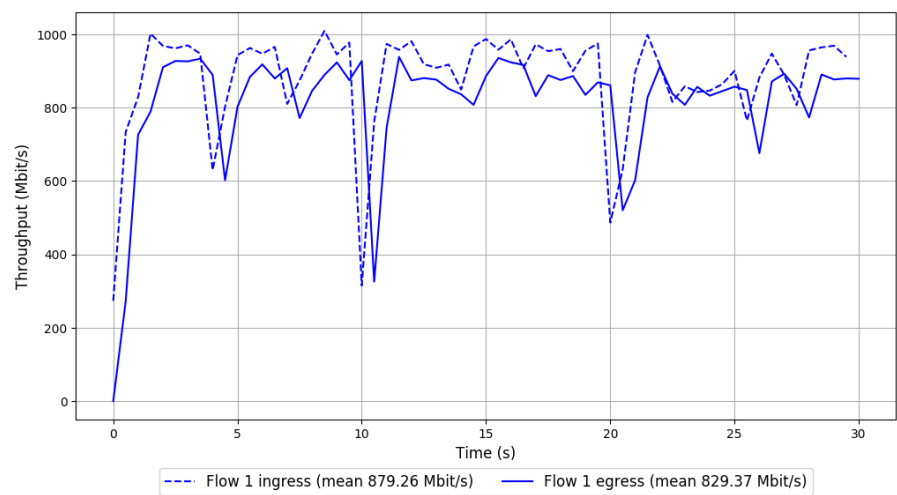
-- Flow 1:

Average throughput: 829.37 Mbit/s

95th percentile per-packet one-way delay: 23.820 ms

Loss rate: 5.67%

Run 2: Report of FillP-Sheep — Data Link



Run 3: Statistics of FillP-Sheep

Start at: 2020-02-17 22:51:15

End at: 2020-02-17 22:51:45

Local clock offset: 4.191 ms

Remote clock offset: -0.072 ms

Below is generated by plot.py at 2020-02-18 00:41:50

Datalink statistics

-- Total of 1 flow:

Average throughput: 803.46 Mbit/s

95th percentile per-packet one-way delay: 16.685 ms

Loss rate: 2.63%

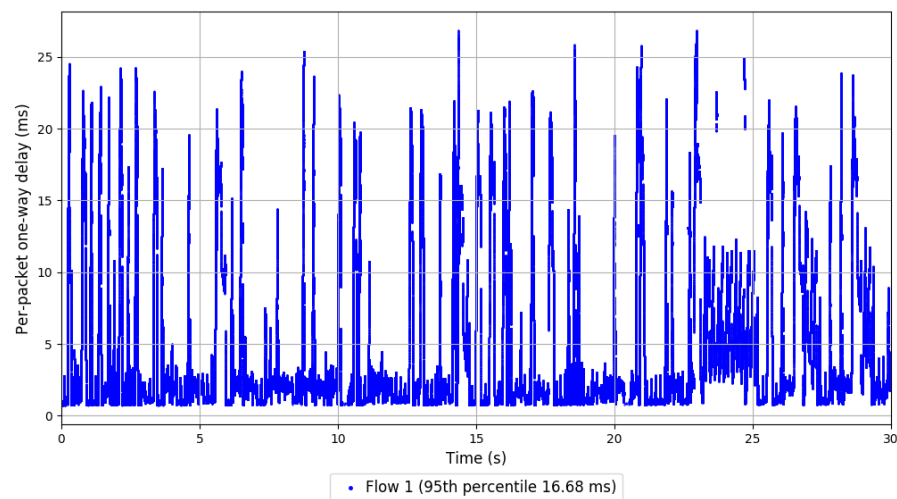
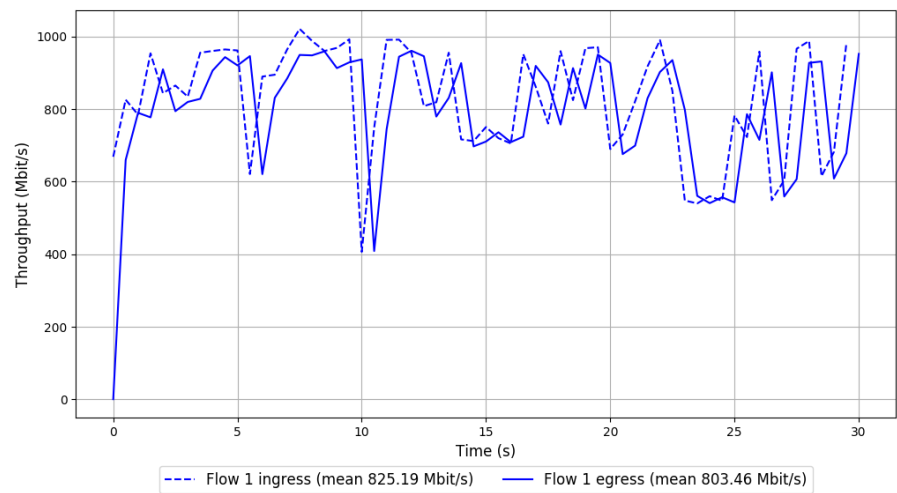
-- Flow 1:

Average throughput: 803.46 Mbit/s

95th percentile per-packet one-way delay: 16.685 ms

Loss rate: 2.63%

Run 3: Report of FillP-Sheep — Data Link



Run 4: Statistics of FillP-Sheep

Start at: 2020-02-17 23:24:10

End at: 2020-02-17 23:24:40

Local clock offset: 2.617 ms

Remote clock offset: 0.161 ms

Below is generated by plot.py at 2020-02-18 00:50:38

Datalink statistics

-- Total of 1 flow:

Average throughput: 798.58 Mbit/s

95th percentile per-packet one-way delay: 15.952 ms

Loss rate: 2.89%

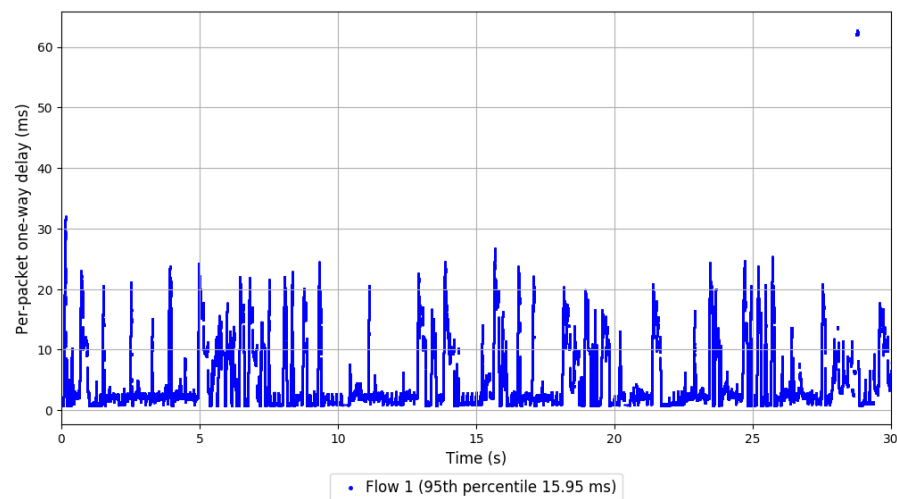
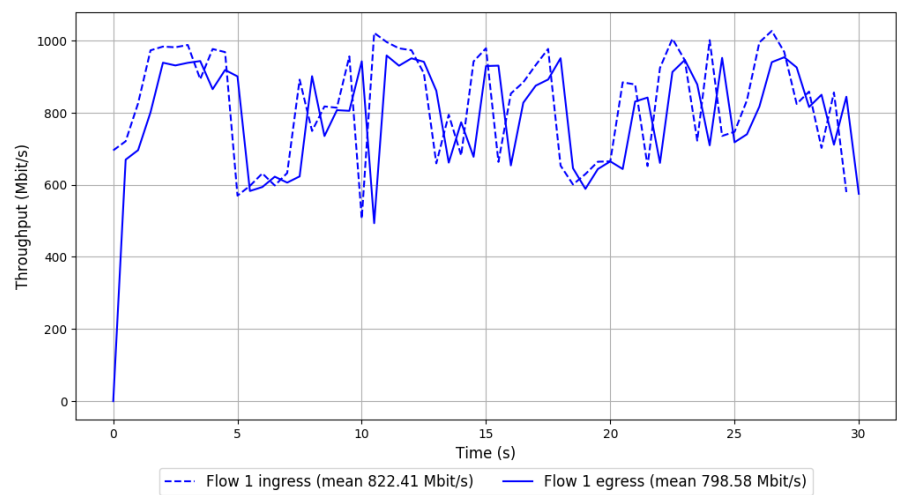
-- Flow 1:

Average throughput: 798.58 Mbit/s

95th percentile per-packet one-way delay: 15.952 ms

Loss rate: 2.89%

Run 4: Report of FillP-Sheep — Data Link



Run 5: Statistics of FillP-Sheep

Start at: 2020-02-17 23:57:24

End at: 2020-02-17 23:57:54

Local clock offset: 1.683 ms

Remote clock offset: 0.135 ms

Below is generated by plot.py at 2020-02-18 00:50:38

Datalink statistics

-- Total of 1 flow:

Average throughput: 608.50 Mbit/s

95th percentile per-packet one-way delay: 14.337 ms

Loss rate: 1.20%

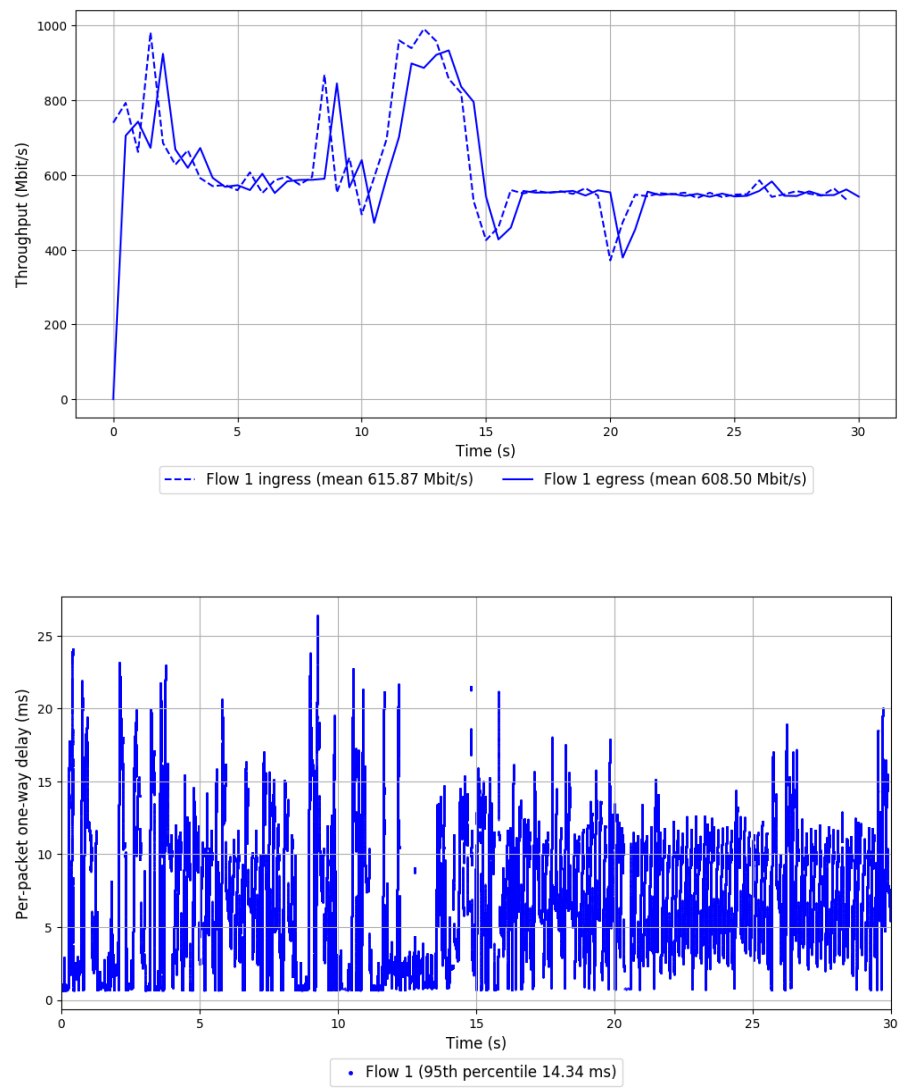
-- Flow 1:

Average throughput: 608.50 Mbit/s

95th percentile per-packet one-way delay: 14.337 ms

Loss rate: 1.20%

Run 5: Report of FillP-Sheep — Data Link

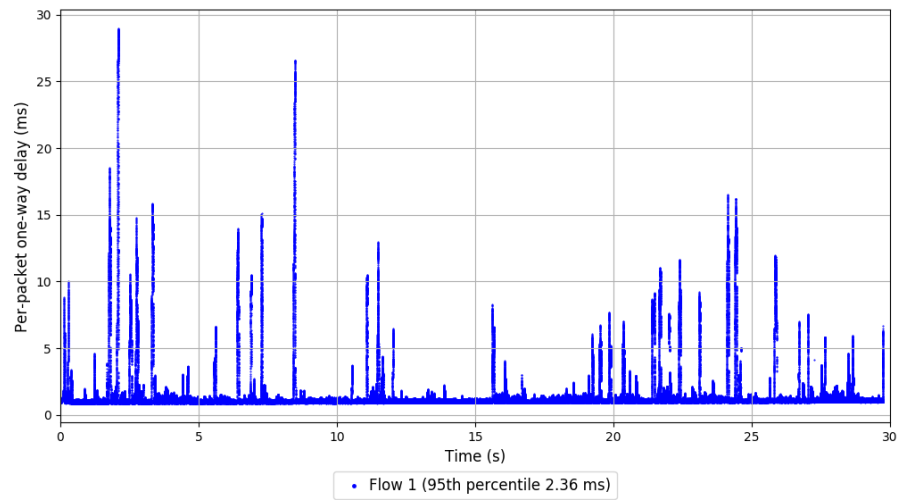
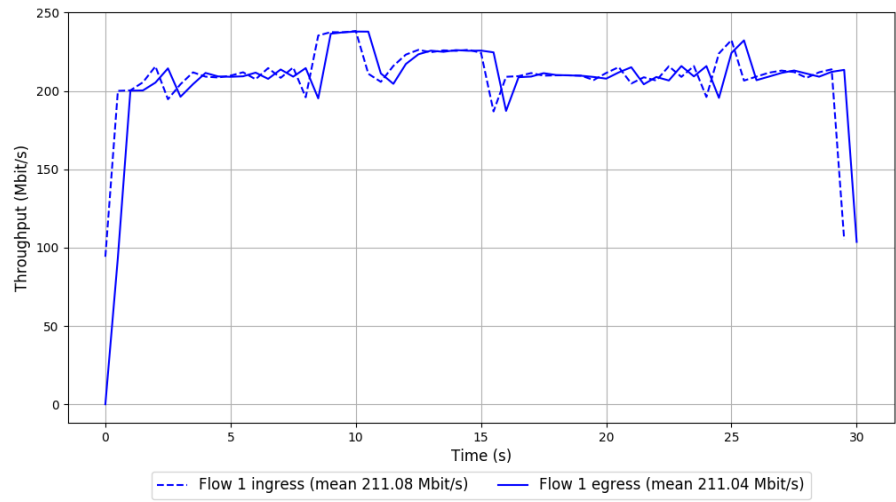


```
Run 1: Statistics of Indigo

Start at: 2020-02-17 21:55:52
End at: 2020-02-17 21:56:22
Local clock offset: 3.951 ms
Remote clock offset: 0.271 ms

# Below is generated by plot.py at 2020-02-18 00:50:38
# Datalink statistics
-- Total of 1 flow:
Average throughput: 211.04 Mbit/s
95th percentile per-packet one-way delay: 2.362 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 211.04 Mbit/s
95th percentile per-packet one-way delay: 2.362 ms
Loss rate: 0.02%
```

Run 1: Report of Indigo — Data Link



Run 2: Statistics of Indigo

Start at: 2020-02-17 22:29:04

End at: 2020-02-17 22:29:34

Local clock offset: 7.338 ms

Remote clock offset: 0.595 ms

Below is generated by plot.py at 2020-02-18 00:50:38

Datalink statistics

-- Total of 1 flow:

Average throughput: 206.35 Mbit/s

95th percentile per-packet one-way delay: 3.376 ms

Loss rate: 0.01%

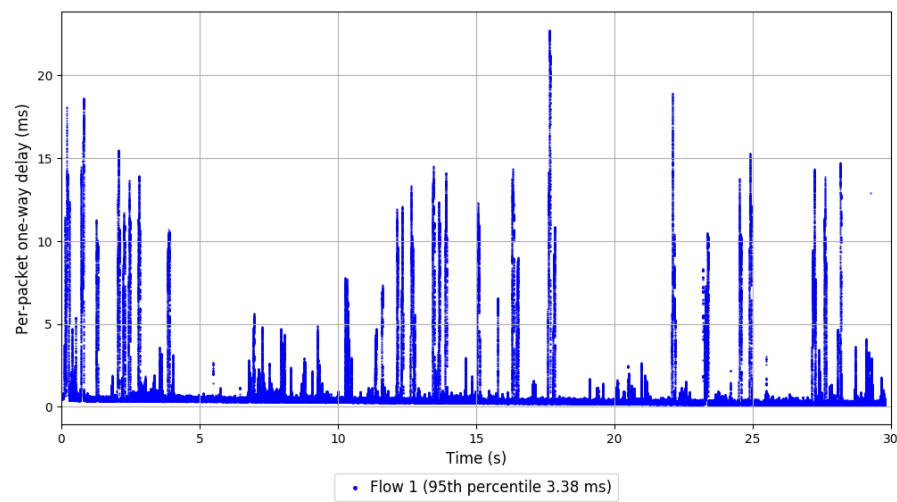
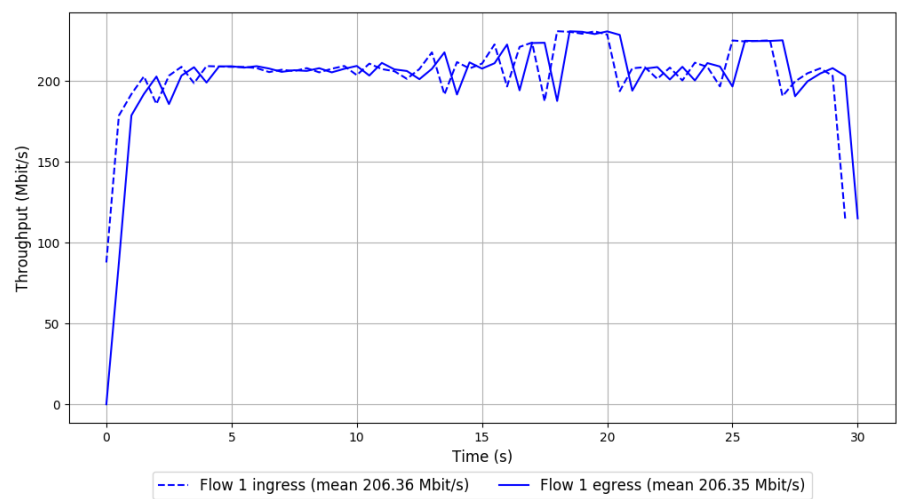
-- Flow 1:

Average throughput: 206.35 Mbit/s

95th percentile per-packet one-way delay: 3.376 ms

Loss rate: 0.01%

Run 2: Report of Indigo — Data Link



Run 3: Statistics of Indigo

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

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

Local clock offset: 3.451 ms

Remote clock offset: -0.225 ms

Below is generated by plot.py at 2020-02-18 00:50:38

Datalink statistics

-- Total of 1 flow:

Average throughput: 206.76 Mbit/s

95th percentile per-packet one-way delay: 0.928 ms

Loss rate: 0.00%

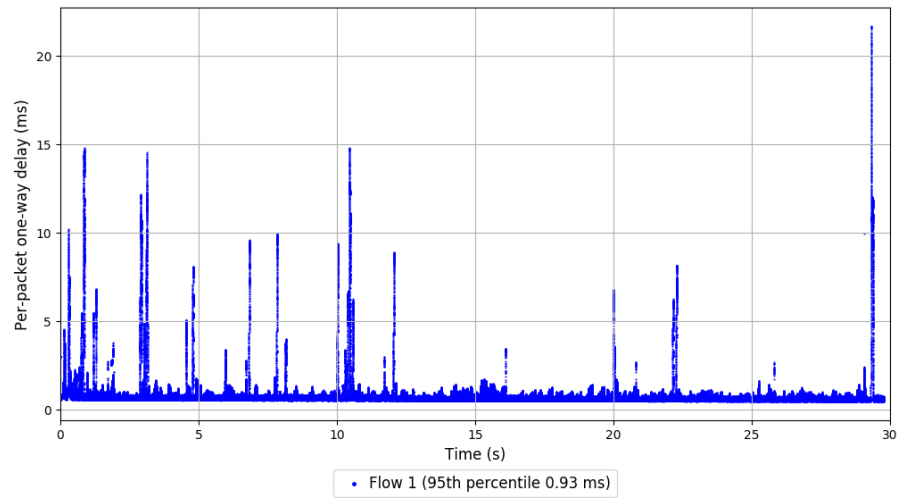
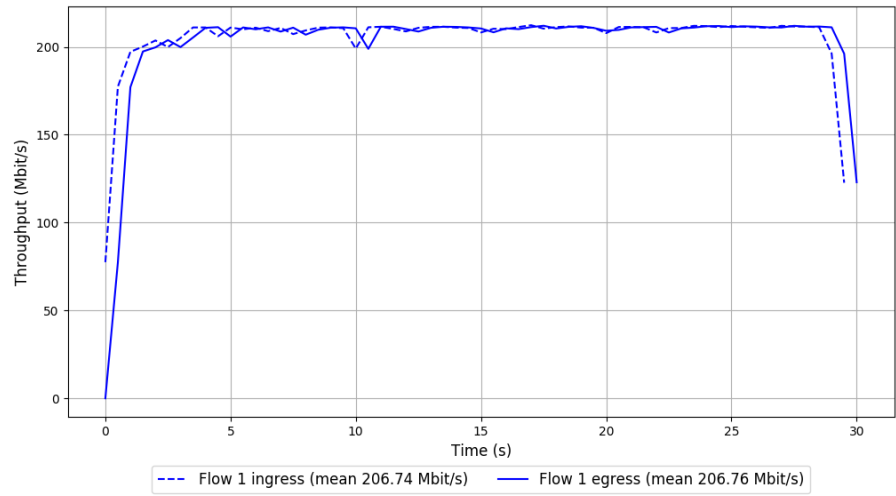
-- Flow 1:

Average throughput: 206.76 Mbit/s

95th percentile per-packet one-way delay: 0.928 ms

Loss rate: 0.00%

Run 3: Report of Indigo — Data Link



Run 4: Statistics of Indigo

Start at: 2020-02-17 23:35:42

End at: 2020-02-17 23:36:12

Local clock offset: 1.734 ms

Remote clock offset: 0.252 ms

Below is generated by plot.py at 2020-02-18 00:50:38

Datalink statistics

-- Total of 1 flow:

Average throughput: 231.20 Mbit/s

95th percentile per-packet one-way delay: 1.206 ms

Loss rate: 0.00%

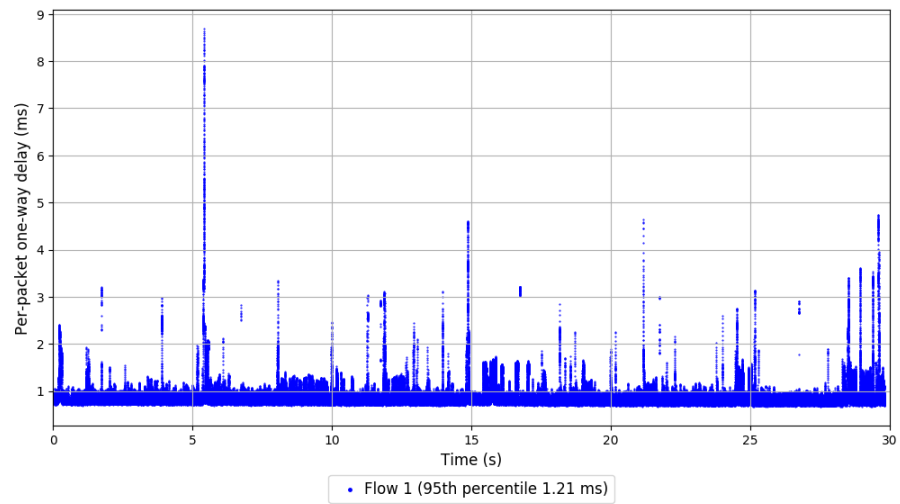
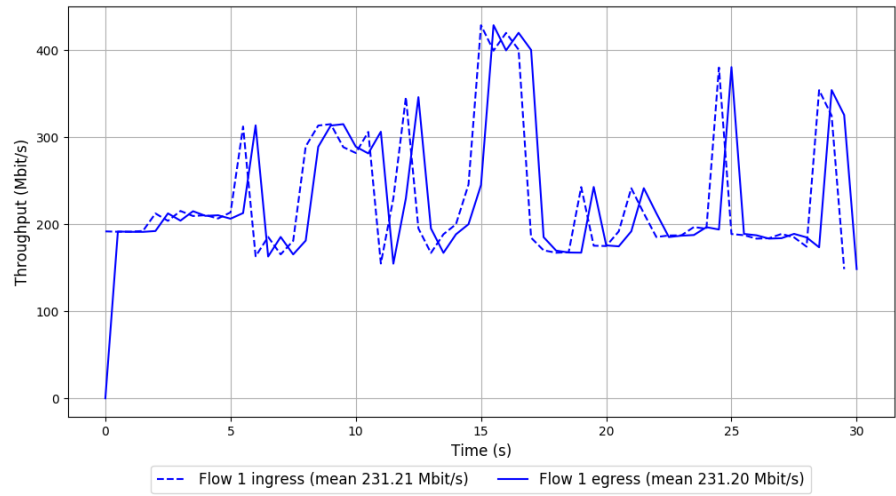
-- Flow 1:

Average throughput: 231.20 Mbit/s

95th percentile per-packet one-way delay: 1.206 ms

Loss rate: 0.00%

Run 4: Report of Indigo — Data Link



Run 5: Statistics of Indigo

Start at: 2020-02-18 00:09:02

End at: 2020-02-18 00:09:32

Local clock offset: 0.71 ms

Remote clock offset: 0.135 ms

Below is generated by plot.py at 2020-02-18 00:50:38

Datalink statistics

-- Total of 1 flow:

Average throughput: 218.50 Mbit/s

95th percentile per-packet one-way delay: 1.315 ms

Loss rate: 0.00%

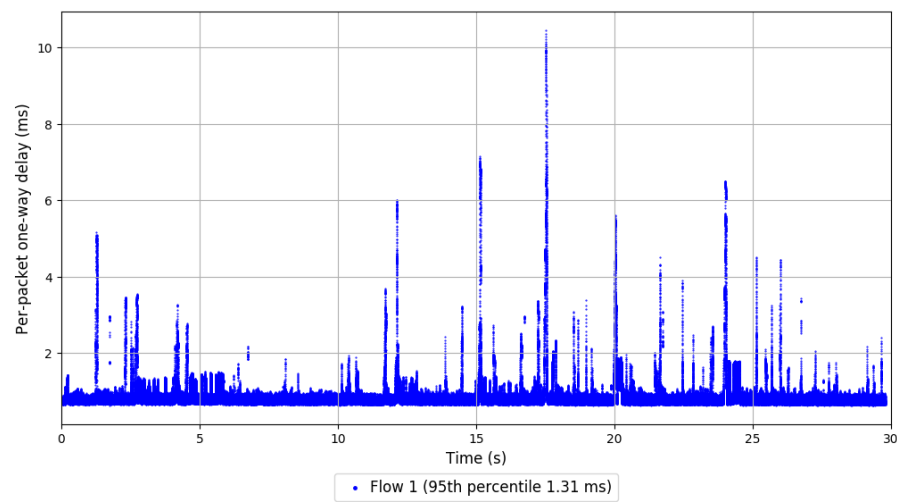
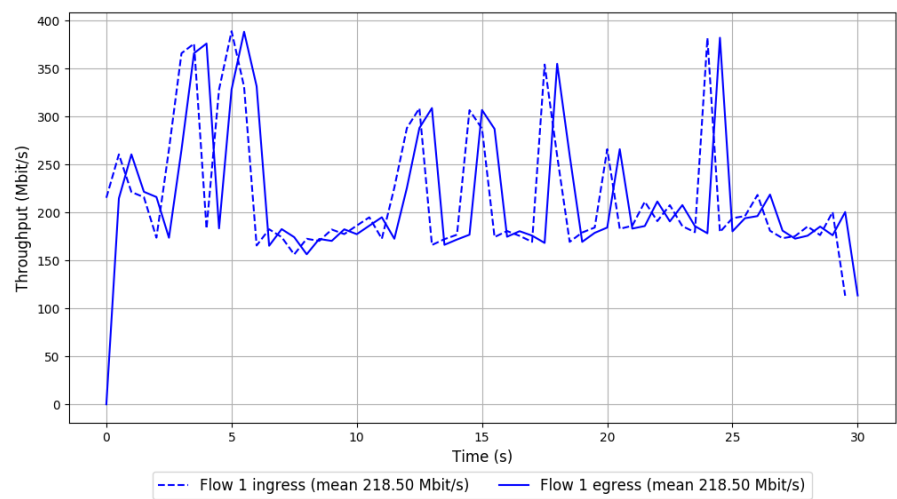
-- Flow 1:

Average throughput: 218.50 Mbit/s

95th percentile per-packet one-way delay: 1.315 ms

Loss rate: 0.00%

Run 5: Report of Indigo — Data Link



Run 1: Statistics of Indigo-MusesC3

Start at: 2020-02-17 21:34:45

End at: 2020-02-17 21:35:15

Local clock offset: 1.881 ms

Remote clock offset: 0.129 ms

Below is generated by plot.py at 2020-02-18 00:50:38

Datalink statistics

-- Total of 1 flow:

Average throughput: 644.84 Mbit/s

95th percentile per-packet one-way delay: 12.251 ms

Loss rate: 0.04%

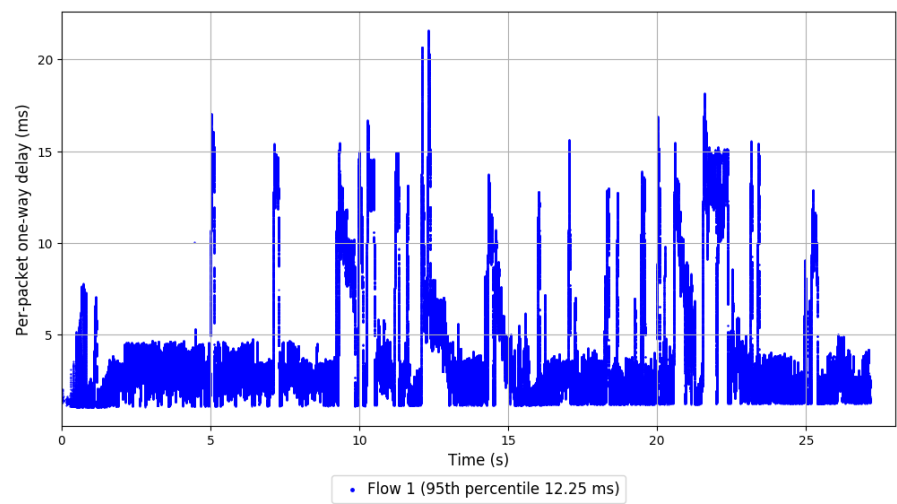
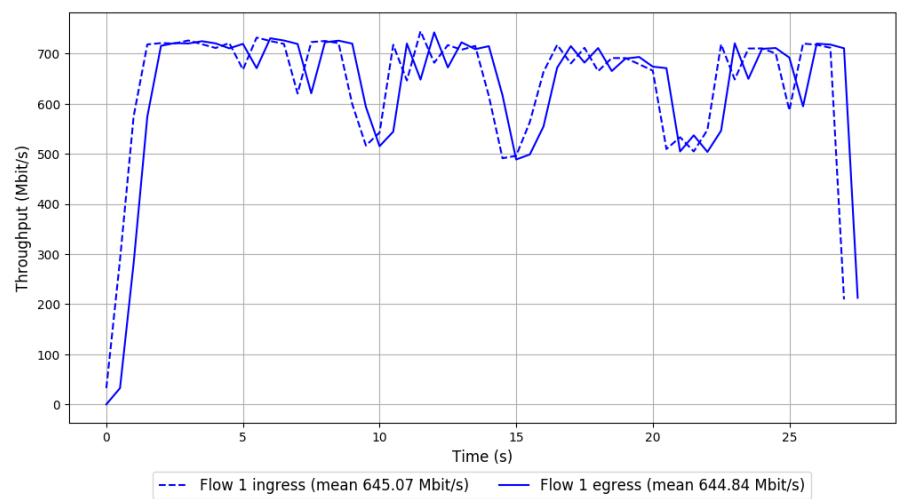
-- Flow 1:

Average throughput: 644.84 Mbit/s

95th percentile per-packet one-way delay: 12.251 ms

Loss rate: 0.04%

Run 1: Report of Indigo-MusesC3 — Data Link



Run 2: Statistics of Indigo-MusesC3

Start at: 2020-02-17 22:07:58

End at: 2020-02-17 22:08:29

Local clock offset: 4.112 ms

Remote clock offset: 0.404 ms

Below is generated by plot.py at 2020-02-18 00:50:38

Datalink statistics

-- Total of 1 flow:

Average throughput: 613.28 Mbit/s

95th percentile per-packet one-way delay: 14.032 ms

Loss rate: 0.04%

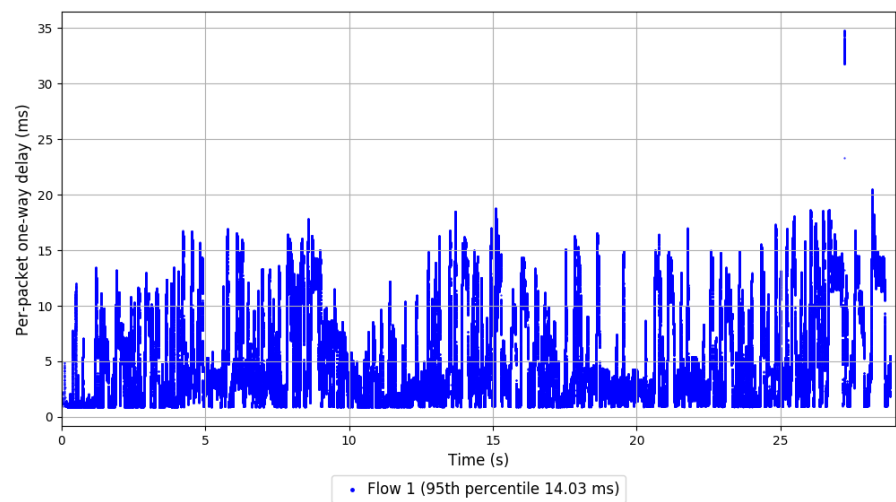
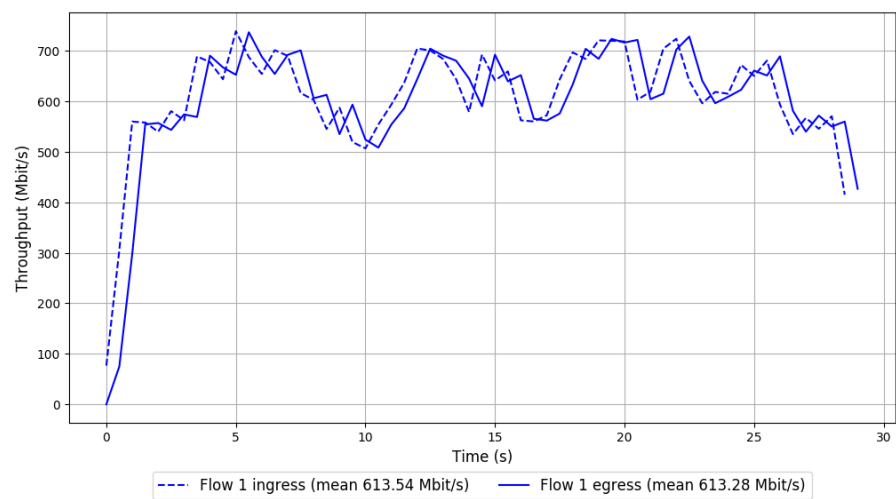
-- Flow 1:

Average throughput: 613.28 Mbit/s

95th percentile per-packet one-way delay: 14.032 ms

Loss rate: 0.04%

Run 2: Report of Indigo-MusesC3 — Data Link



Run 3: Statistics of Indigo-MusesC3

Start at: 2020-02-17 22:41:37

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

Local clock offset: 3.906 ms

Remote clock offset: 0.26 ms

Below is generated by plot.py at 2020-02-18 00:50:38

Datalink statistics

-- Total of 1 flow:

Average throughput: 530.26 Mbit/s

95th percentile per-packet one-way delay: 2.992 ms

Loss rate: 0.02%

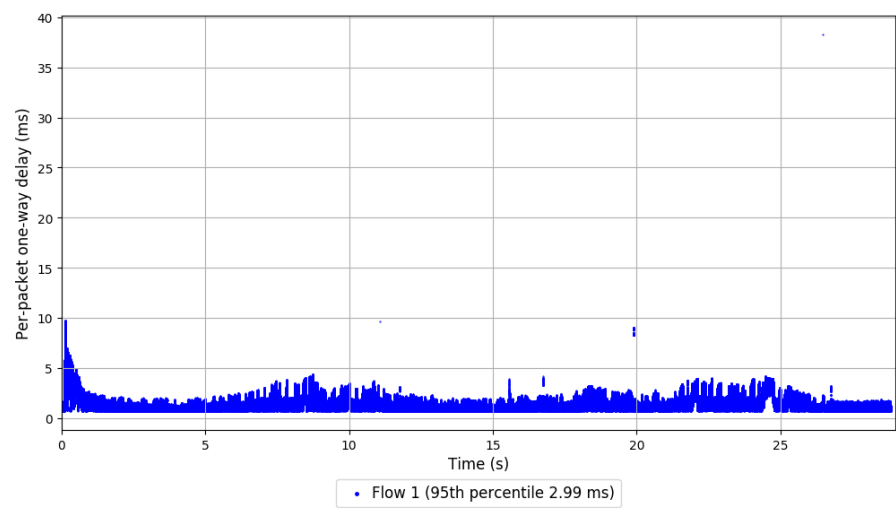
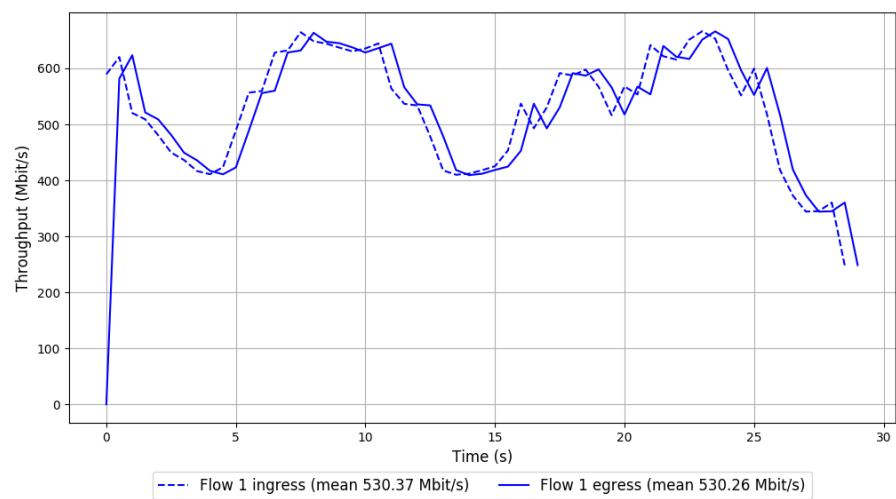
-- Flow 1:

Average throughput: 530.26 Mbit/s

95th percentile per-packet one-way delay: 2.992 ms

Loss rate: 0.02%

Run 3: Report of Indigo-MusesC3 — Data Link



Run 4: Statistics of Indigo-MusesC3

Start at: 2020-02-17 23:14:51

End at: 2020-02-17 23:15:21

Local clock offset: 2.328 ms

Remote clock offset: 0.043 ms

Below is generated by plot.py at 2020-02-18 00:50:38

Datalink statistics

-- Total of 1 flow:

Average throughput: 574.88 Mbit/s

95th percentile per-packet one-way delay: 9.535 ms

Loss rate: 0.01%

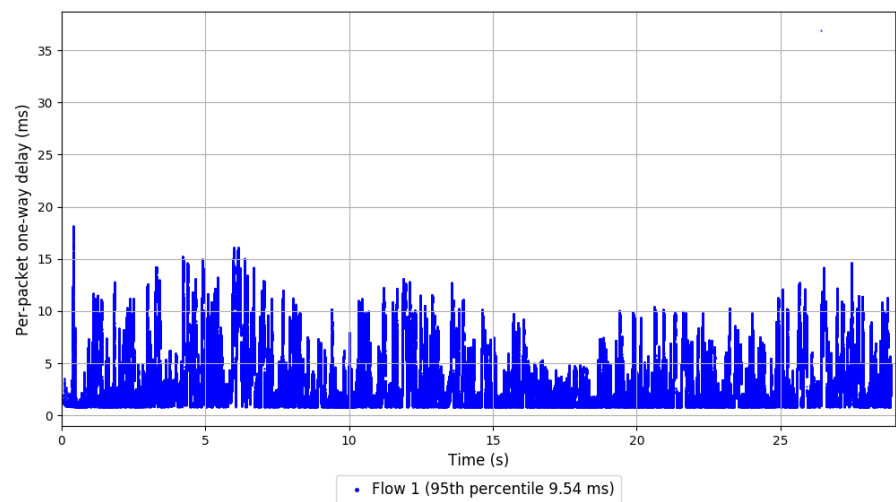
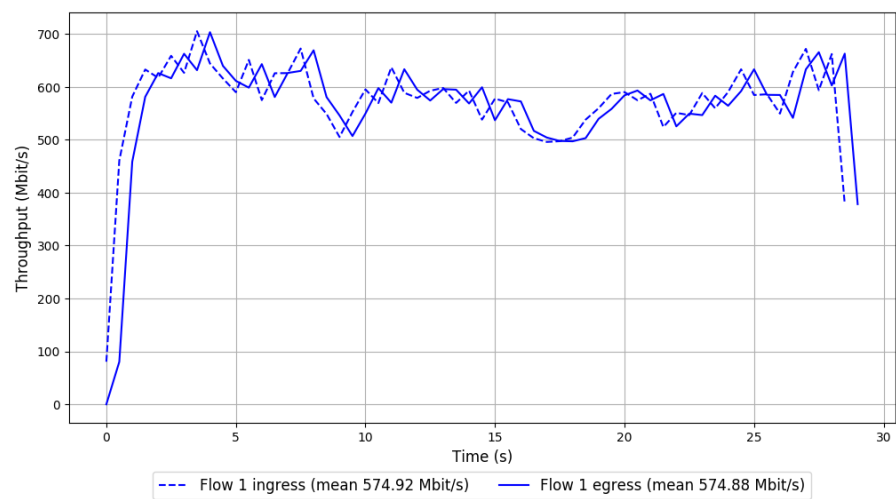
-- Flow 1:

Average throughput: 574.88 Mbit/s

95th percentile per-packet one-way delay: 9.535 ms

Loss rate: 0.01%

Run 4: Report of Indigo-MusesC3 — Data Link



Run 5: Statistics of Indigo-MusesC3

Start at: 2020-02-17 23:48:03

End at: 2020-02-17 23:48:33

Local clock offset: 1.477 ms

Remote clock offset: 0.277 ms

Below is generated by plot.py at 2020-02-18 00:50:38

Datalink statistics

-- Total of 1 flow:

Average throughput: 451.04 Mbit/s

95th percentile per-packet one-way delay: 2.603 ms

Loss rate: 0.01%

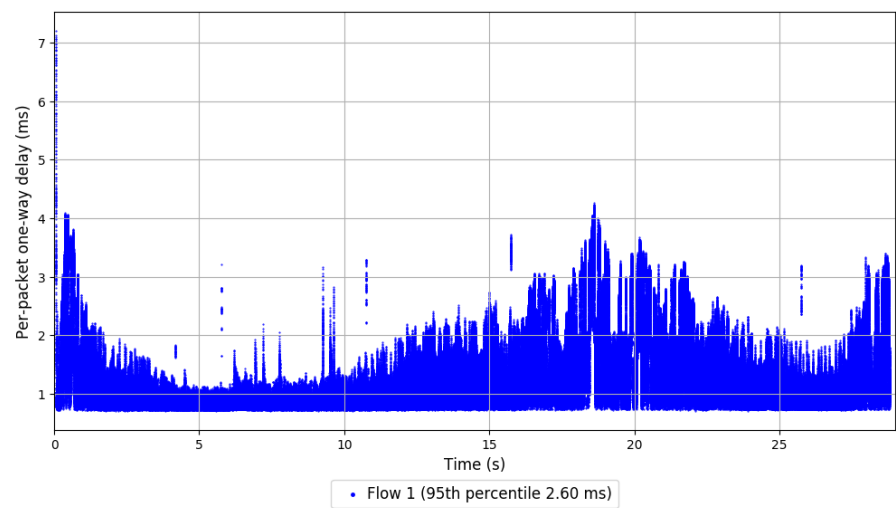
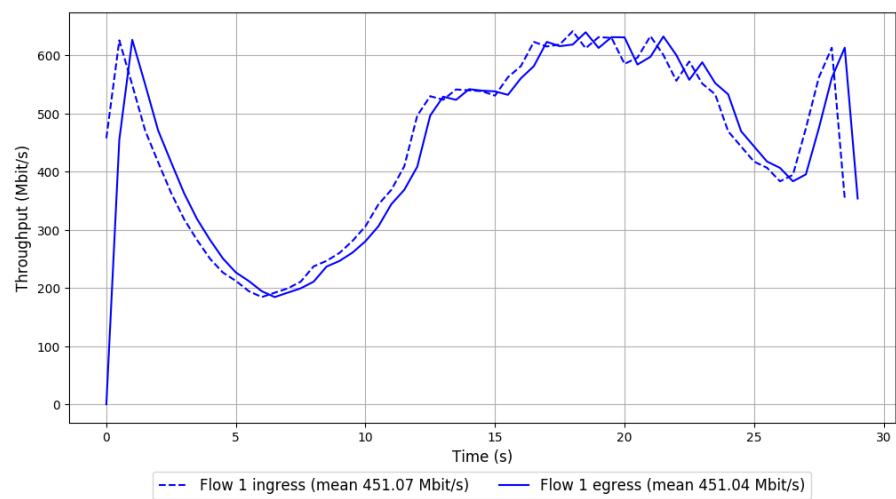
-- Flow 1:

Average throughput: 451.04 Mbit/s

95th percentile per-packet one-way delay: 2.603 ms

Loss rate: 0.01%

Run 5: Report of Indigo-MusesC3 — Data Link



Run 1: Statistics of Indigo-MusesC5

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

End at: 2020-02-17 21:59:05

Local clock offset: 4.436 ms

Remote clock offset: 0.248 ms

Below is generated by plot.py at 2020-02-18 00:50:38

Datalink statistics

-- Total of 1 flow:

Average throughput: 71.76 Mbit/s

95th percentile per-packet one-way delay: 3.107 ms

Loss rate: 0.00%

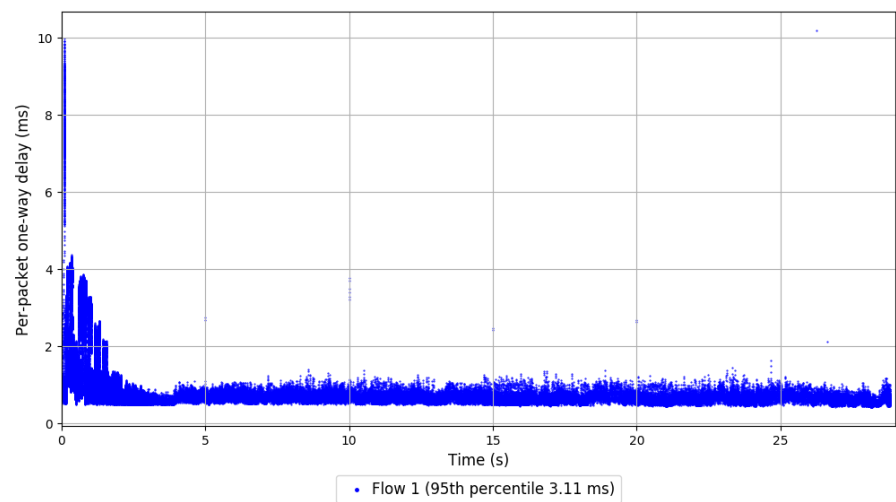
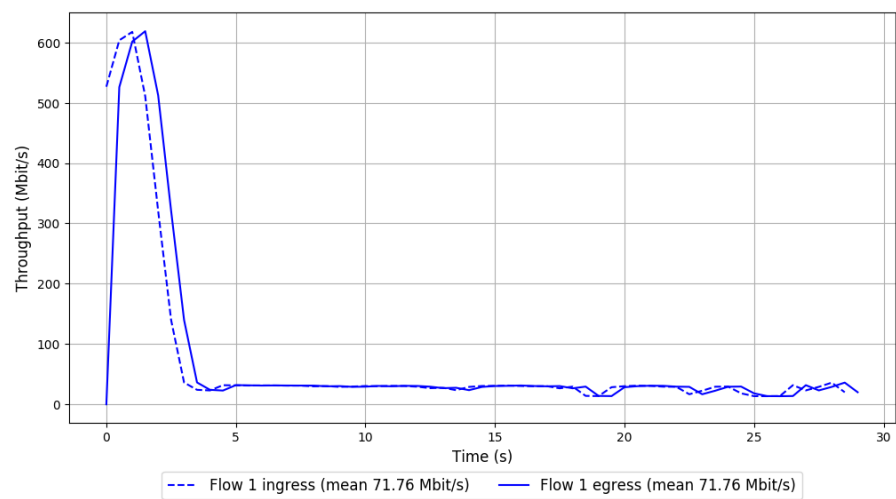
-- Flow 1:

Average throughput: 71.76 Mbit/s

95th percentile per-packet one-way delay: 3.107 ms

Loss rate: 0.00%

Run 1: Report of Indigo-MusesC5 — Data Link



Run 2: Statistics of Indigo-MusesC5

Start at: 2020-02-17 22:31:49

End at: 2020-02-17 22:32:19

Local clock offset: 5.793 ms

Remote clock offset: 0.594 ms

Below is generated by plot.py at 2020-02-18 00:51:30

Datalink statistics

-- Total of 1 flow:

Average throughput: 585.32 Mbit/s

95th percentile per-packet one-way delay: 11.727 ms

Loss rate: 0.04%

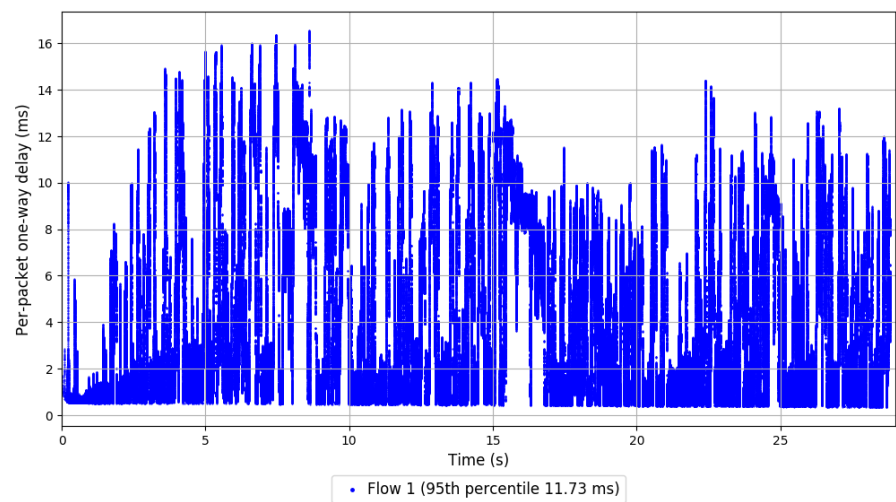
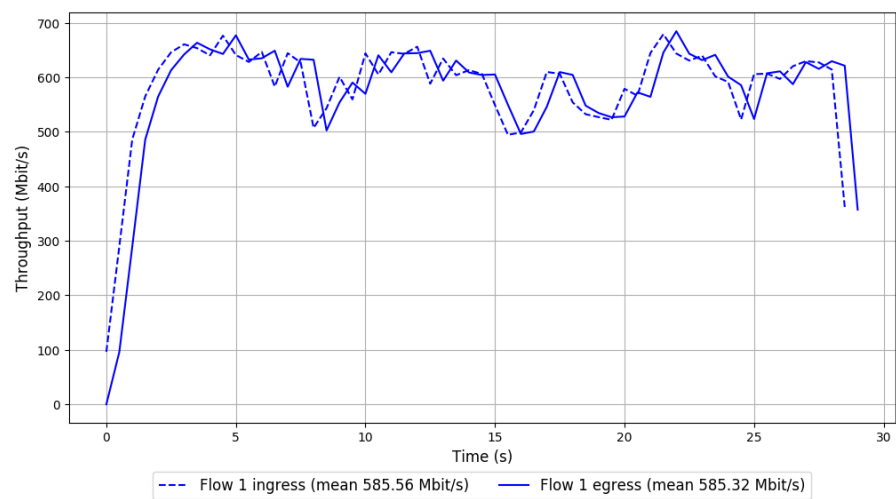
-- Flow 1:

Average throughput: 585.32 Mbit/s

95th percentile per-packet one-way delay: 11.727 ms

Loss rate: 0.04%

Run 2: Report of Indigo-MusesC5 — Data Link



Run 3: Statistics of Indigo-MusesC5

Start at: 2020-02-17 23:05:08

End at: 2020-02-17 23:05:38

Local clock offset: 2.948 ms

Remote clock offset: -0.189 ms

Below is generated by plot.py at 2020-02-18 00:54:42

Datalink statistics

-- Total of 1 flow:

Average throughput: 604.77 Mbit/s

95th percentile per-packet one-way delay: 10.428 ms

Loss rate: 0.09%

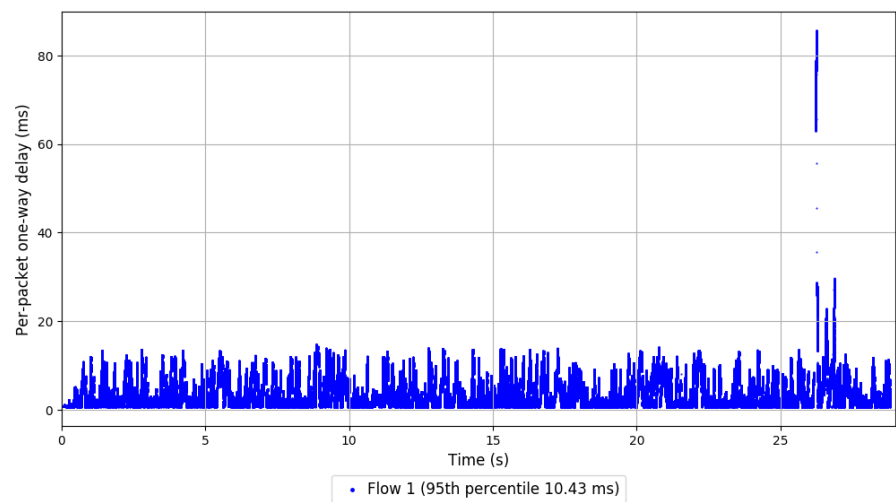
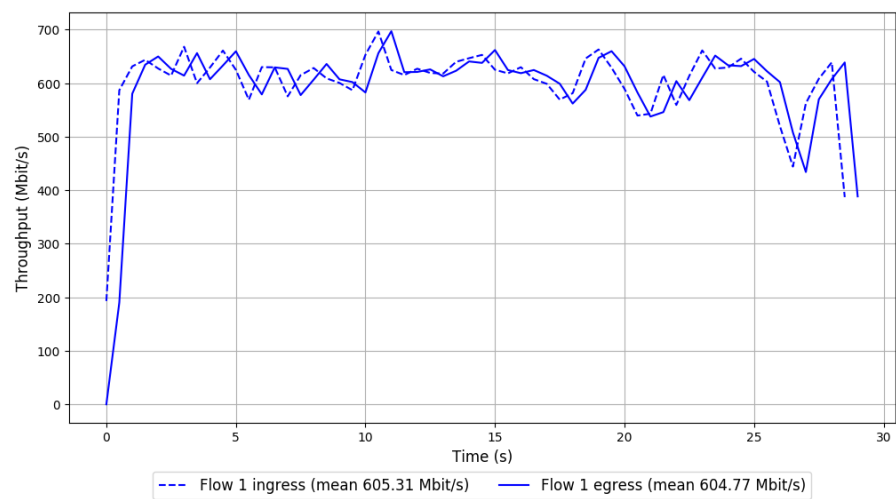
-- Flow 1:

Average throughput: 604.77 Mbit/s

95th percentile per-packet one-way delay: 10.428 ms

Loss rate: 0.09%

Run 3: Report of Indigo-MusesC5 — Data Link



Run 4: Statistics of Indigo-MusesC5

Start at: 2020-02-17 23:38:29

End at: 2020-02-17 23:38:59

Local clock offset: 1.606 ms

Remote clock offset: 0.219 ms

Below is generated by plot.py at 2020-02-18 00:54:42

Datalink statistics

-- Total of 1 flow:

Average throughput: 113.01 Mbit/s

95th percentile per-packet one-way delay: 0.902 ms

Loss rate: 0.00%

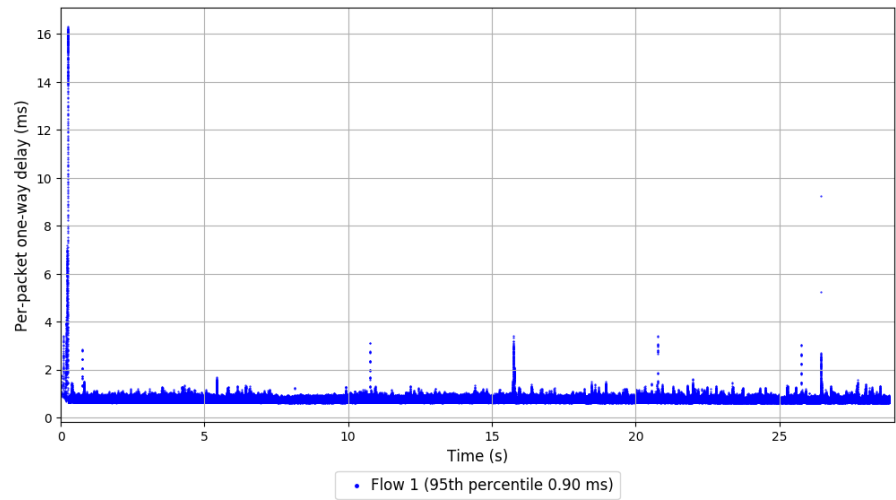
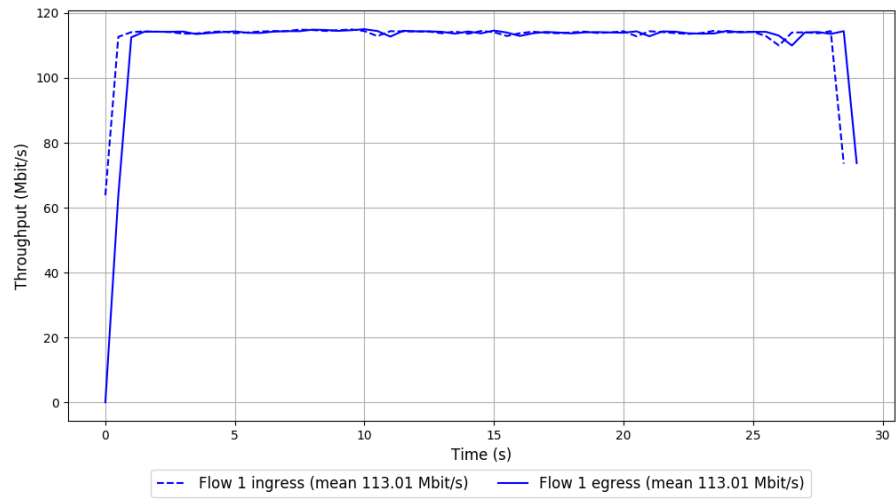
-- Flow 1:

Average throughput: 113.01 Mbit/s

95th percentile per-packet one-way delay: 0.902 ms

Loss rate: 0.00%

Run 4: Report of Indigo-MusesC5 — Data Link



Run 5: Statistics of Indigo-MusesC5

Start at: 2020-02-18 00:11:46

End at: 2020-02-18 00:12:16

Local clock offset: 0.629 ms

Remote clock offset: 0.226 ms

Below is generated by plot.py at 2020-02-18 00:54:42

Datalink statistics

-- Total of 1 flow:

Average throughput: 69.52 Mbit/s

95th percentile per-packet one-way delay: 2.948 ms

Loss rate: 0.08%

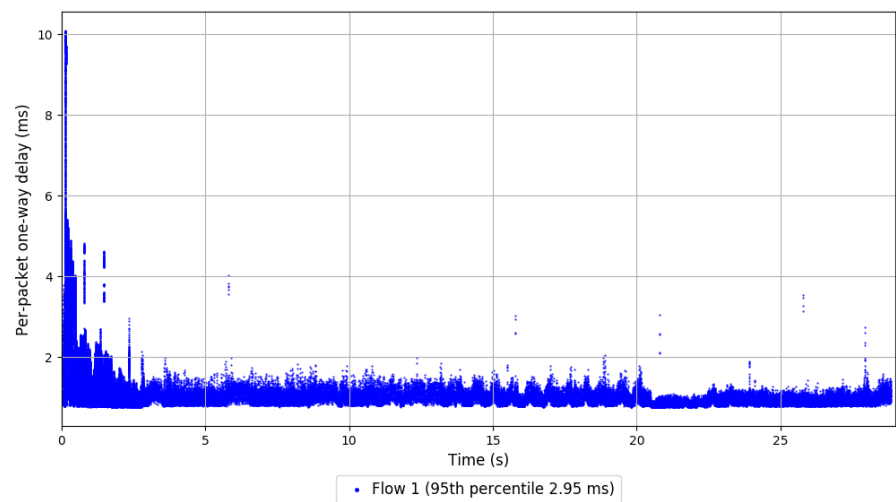
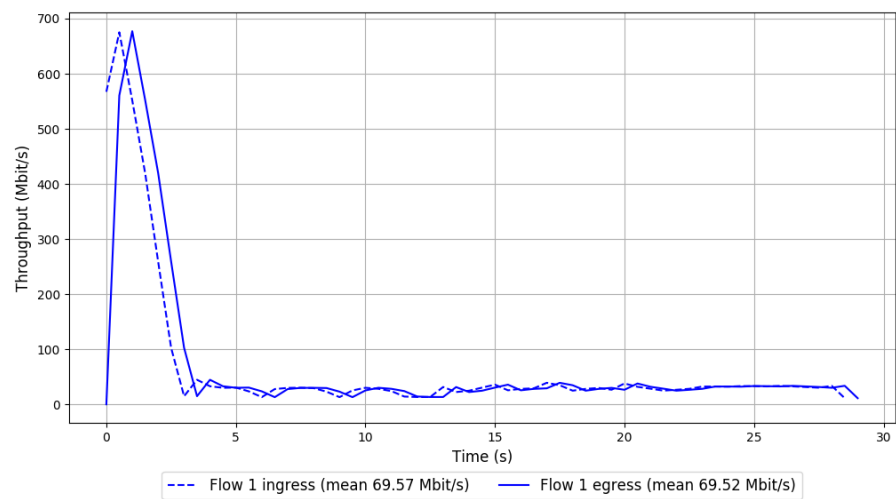
-- Flow 1:

Average throughput: 69.52 Mbit/s

95th percentile per-packet one-way delay: 2.948 ms

Loss rate: 0.08%

Run 5: Report of Indigo-MusesC5 — Data Link



Run 1: Statistics of Indigo-MusesD

Start at: 2020-02-17 21:40:16

End at: 2020-02-17 21:40:46

Local clock offset: 2.347 ms

Remote clock offset: 0.074 ms

Below is generated by plot.py at 2020-02-18 00:54:42

Datalink statistics

-- Total of 1 flow:

Average throughput: 137.81 Mbit/s

95th percentile per-packet one-way delay: 1.859 ms

Loss rate: 0.00%

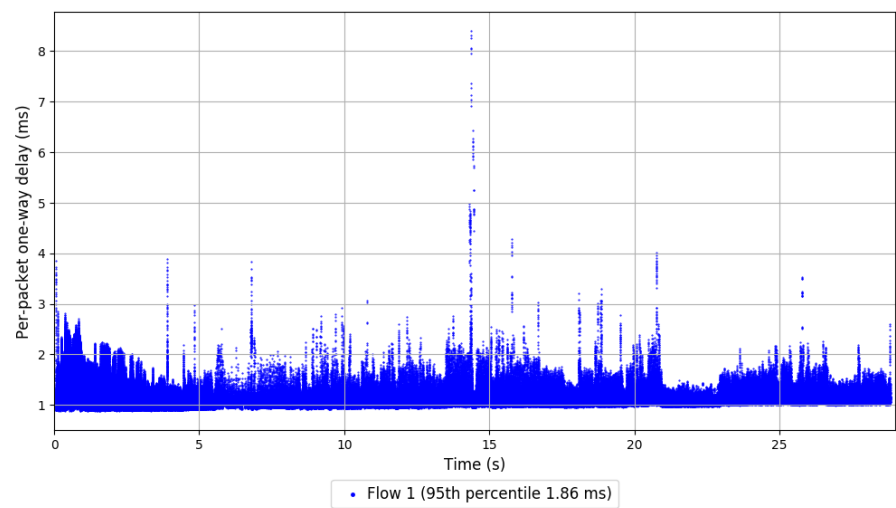
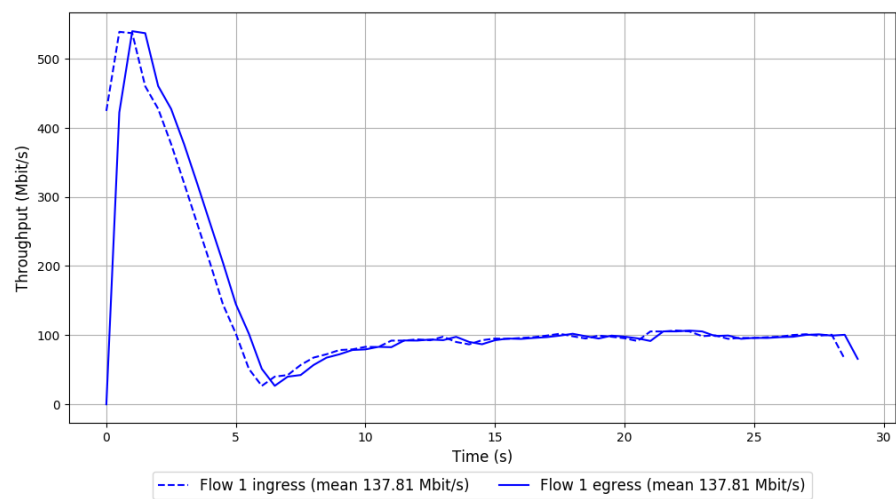
-- Flow 1:

Average throughput: 137.81 Mbit/s

95th percentile per-packet one-way delay: 1.859 ms

Loss rate: 0.00%

Run 1: Report of Indigo-MusesD — Data Link



Run 2: Statistics of Indigo-MusesD

Start at: 2020-02-17 22:13:51

End at: 2020-02-17 22:14:21

Local clock offset: 4.929 ms

Remote clock offset: 0.38 ms

Below is generated by plot.py at 2020-02-18 00:54:42

Datalink statistics

-- Total of 1 flow:

Average throughput: 401.85 Mbit/s

95th percentile per-packet one-way delay: 7.901 ms

Loss rate: 0.04%

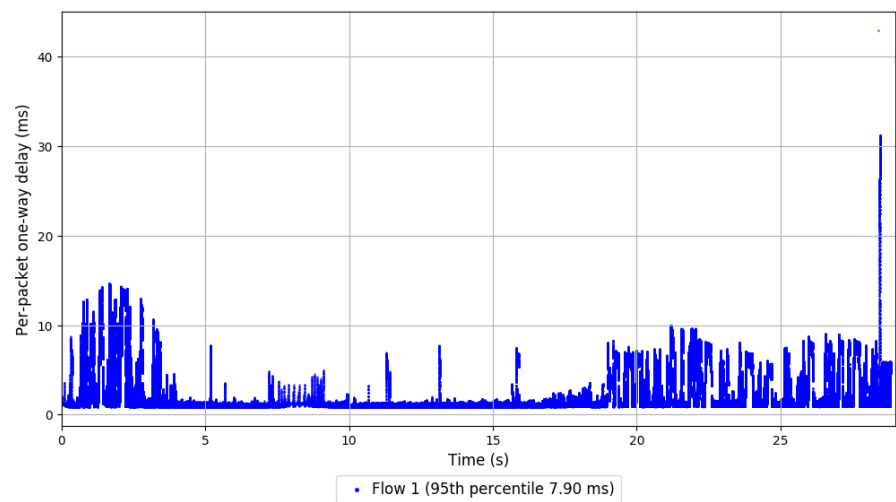
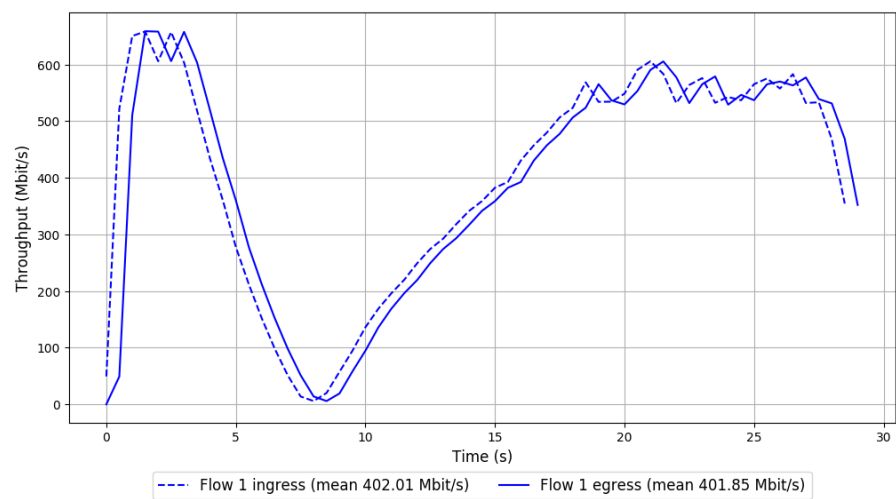
-- Flow 1:

Average throughput: 401.85 Mbit/s

95th percentile per-packet one-way delay: 7.901 ms

Loss rate: 0.04%

Run 2: Report of Indigo-MusesD — Data Link



Run 3: Statistics of Indigo-MusesD

Start at: 2020-02-17 22:47:11

End at: 2020-02-17 22:47:41

Local clock offset: 3.947 ms

Remote clock offset: 0.014 ms

Below is generated by plot.py at 2020-02-18 00:55:09

Datalink statistics

-- Total of 1 flow:

Average throughput: 546.91 Mbit/s

95th percentile per-packet one-way delay: 13.933 ms

Loss rate: 0.05%

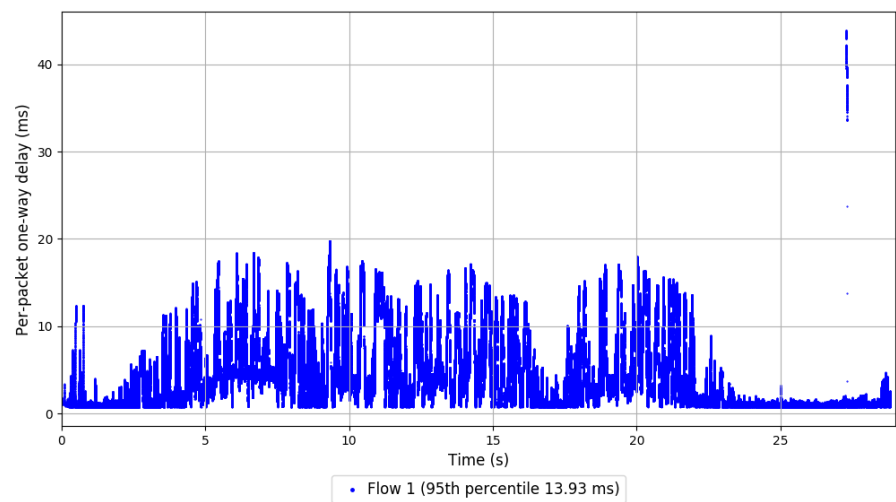
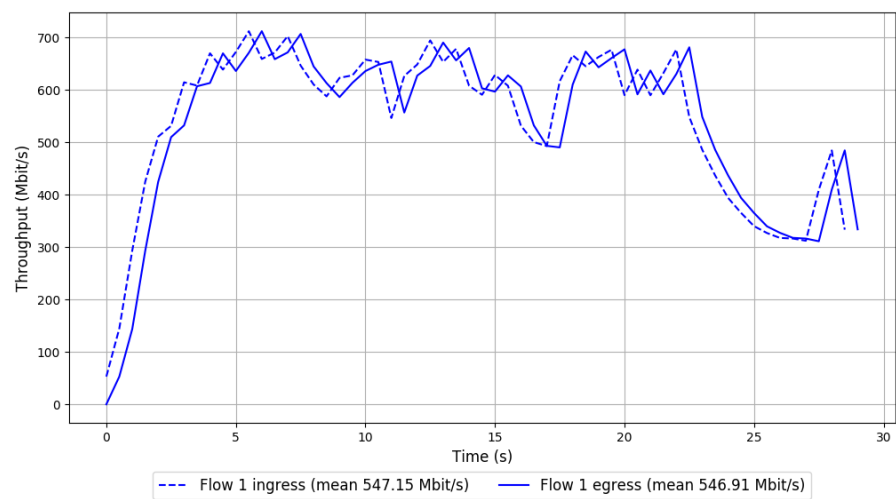
-- Flow 1:

Average throughput: 546.91 Mbit/s

95th percentile per-packet one-way delay: 13.933 ms

Loss rate: 0.05%

Run 3: Report of Indigo-MusesD — Data Link



Run 4: Statistics of Indigo-MusesD

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

End at: 2020-02-17 23:20:47

Local clock offset: 2.45 ms

Remote clock offset: 0.175 ms

Below is generated by plot.py at 2020-02-18 00:55:09

Datalink statistics

-- Total of 1 flow:

Average throughput: 143.42 Mbit/s

95th percentile per-packet one-way delay: 1.570 ms

Loss rate: 0.00%

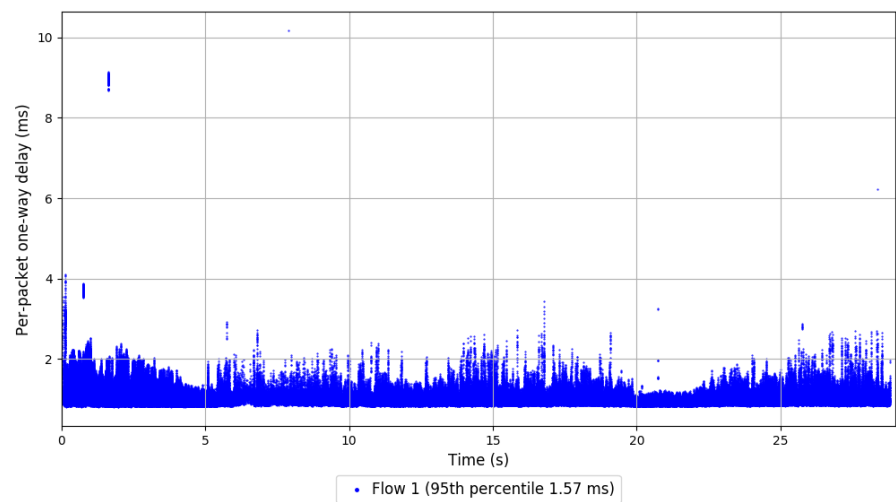
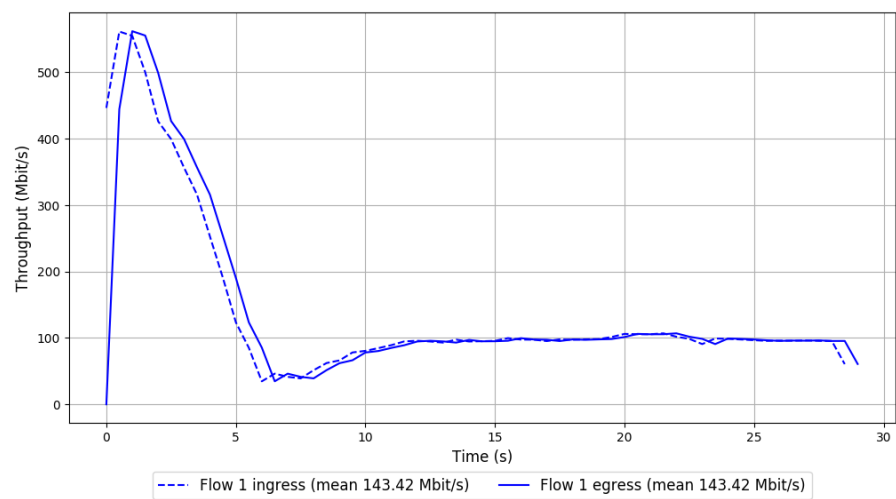
-- Flow 1:

Average throughput: 143.42 Mbit/s

95th percentile per-packet one-way delay: 1.570 ms

Loss rate: 0.00%

Run 4: Report of Indigo-MusesD — Data Link



Run 5: Statistics of Indigo-MusesD

Start at: 2020-02-17 23:53:34

End at: 2020-02-17 23:54:04

Local clock offset: 1.564 ms

Remote clock offset: 0.21 ms

Below is generated by plot.py at 2020-02-18 00:55:09

Datalink statistics

-- Total of 1 flow:

Average throughput: 143.14 Mbit/s

95th percentile per-packet one-way delay: 1.447 ms

Loss rate: 0.01%

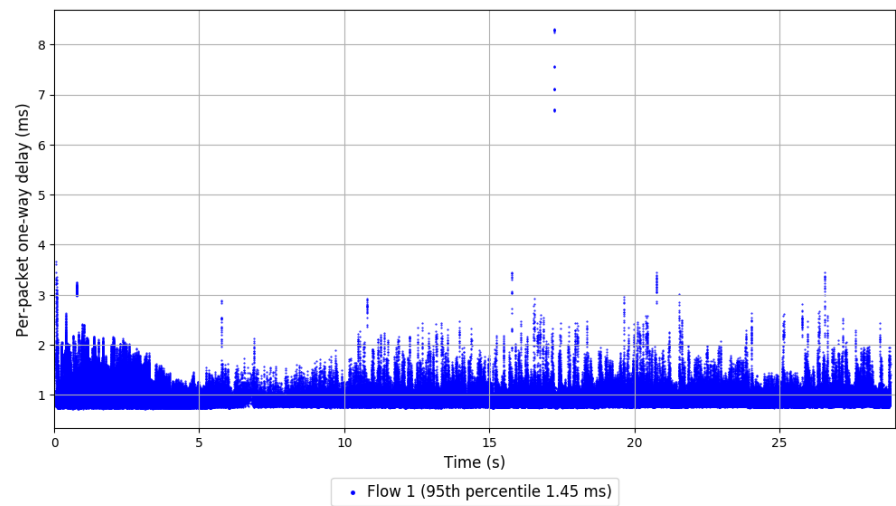
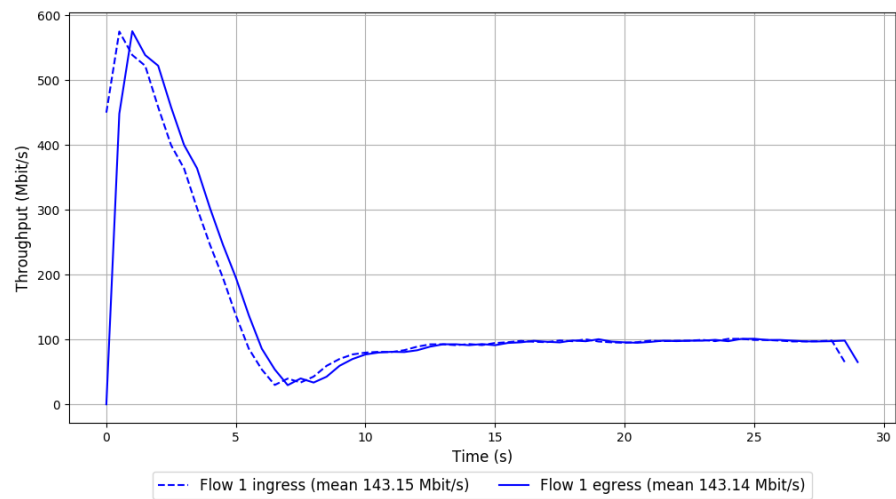
-- Flow 1:

Average throughput: 143.14 Mbit/s

95th percentile per-packet one-way delay: 1.447 ms

Loss rate: 0.01%

Run 5: Report of Indigo-MusesD — Data Link

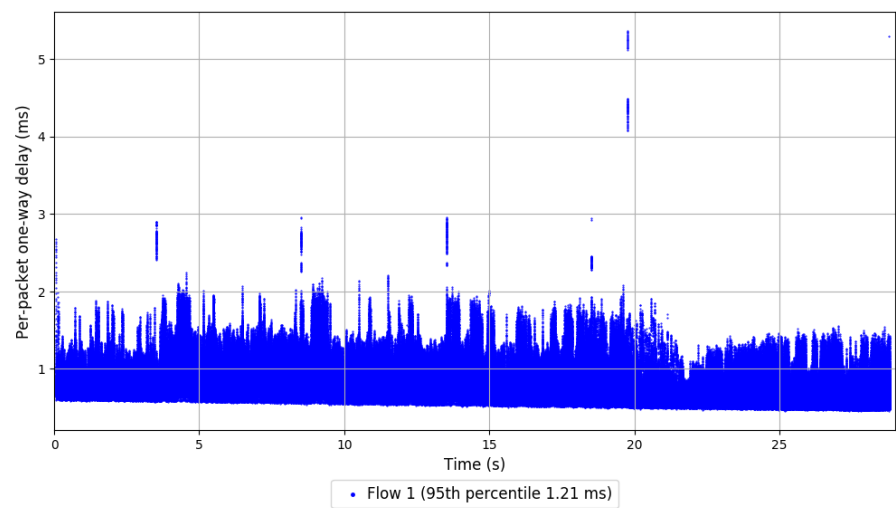
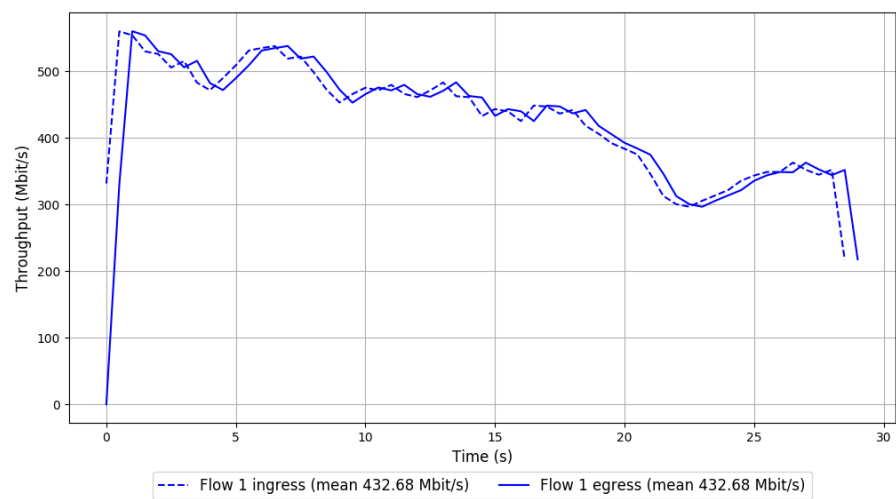


```
Run 1: Statistics of Indigo-MusesT

Start at: 2020-02-17 21:45:47
End at: 2020-02-17 21:46:17
Local clock offset: 3.648 ms
Remote clock offset: 0.161 ms

# Below is generated by plot.py at 2020-02-18 00:55:09
# Datalink statistics
-- Total of 1 flow:
Average throughput: 432.68 Mbit/s
95th percentile per-packet one-way delay: 1.209 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 432.68 Mbit/s
95th percentile per-packet one-way delay: 1.209 ms
Loss rate: 0.00%
```

Run 1: Report of Indigo-MusesT — Data Link



Run 2: Statistics of Indigo-MusesT

Start at: 2020-02-17 22:19:21

End at: 2020-02-17 22:19:51

Local clock offset: 5.954 ms

Remote clock offset: 0.435 ms

Below is generated by plot.py at 2020-02-18 00:57:06

Datalink statistics

-- Total of 1 flow:

Average throughput: 585.22 Mbit/s

95th percentile per-packet one-way delay: 15.364 ms

Loss rate: 0.03%

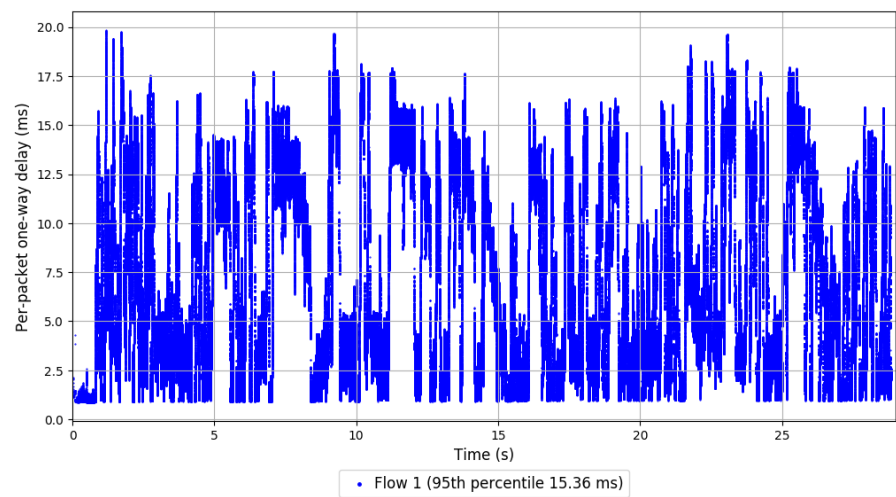
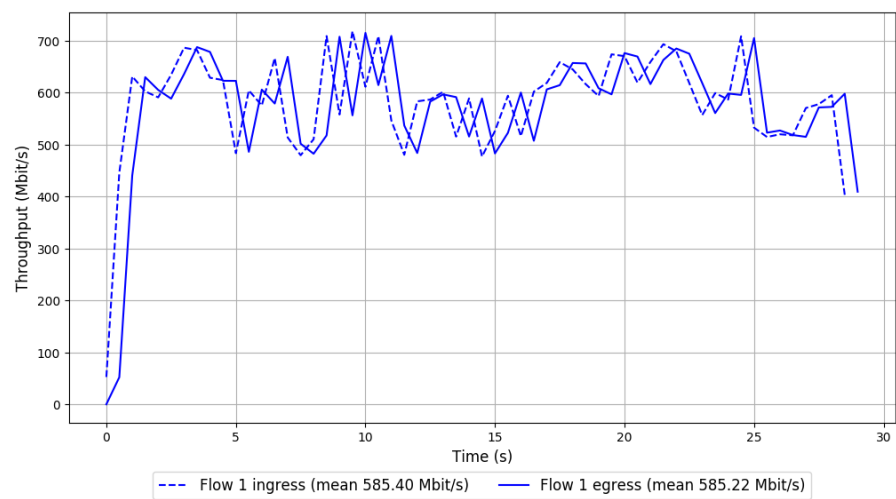
-- Flow 1:

Average throughput: 585.22 Mbit/s

95th percentile per-packet one-way delay: 15.364 ms

Loss rate: 0.03%

Run 2: Report of Indigo-MusesT — Data Link



Run 3: Statistics of Indigo-MusesT

Start at: 2020-02-17 22:52:49

End at: 2020-02-17 22:53:19

Local clock offset: 4.337 ms

Remote clock offset: -0.123 ms

Below is generated by plot.py at 2020-02-18 00:58:05

Datalink statistics

-- Total of 1 flow:

Average throughput: 638.01 Mbit/s

95th percentile per-packet one-way delay: 15.217 ms

Loss rate: 0.07%

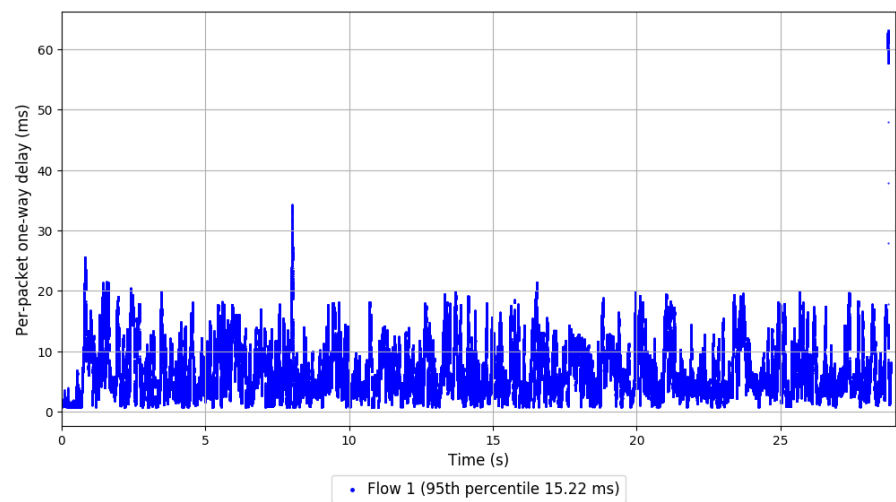
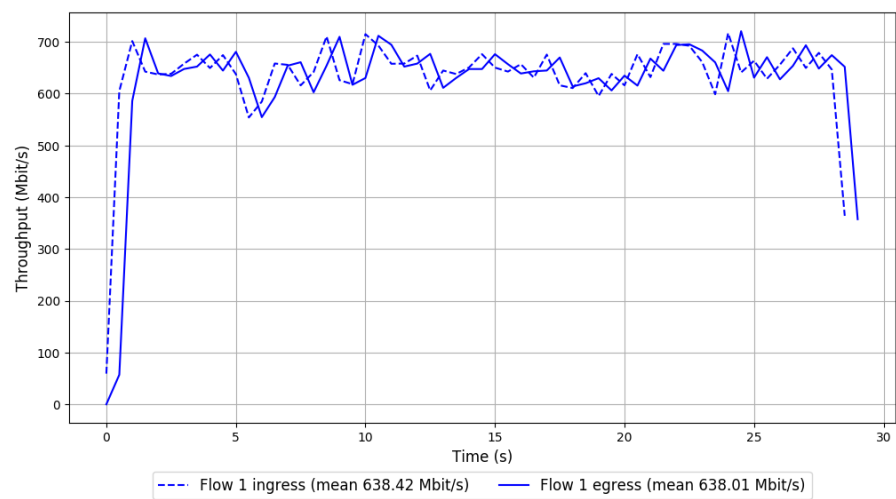
-- Flow 1:

Average throughput: 638.01 Mbit/s

95th percentile per-packet one-way delay: 15.217 ms

Loss rate: 0.07%

Run 3: Report of Indigo-MusesT — Data Link



Run 4: Statistics of Indigo-MusesT

Start at: 2020-02-17 23:25:44

End at: 2020-02-17 23:26:14

Local clock offset: 2.724 ms

Remote clock offset: 0.129 ms

Below is generated by plot.py at 2020-02-18 00:58:05

Datalink statistics

-- Total of 1 flow:

Average throughput: 610.71 Mbit/s

95th percentile per-packet one-way delay: 14.576 ms

Loss rate: 0.07%

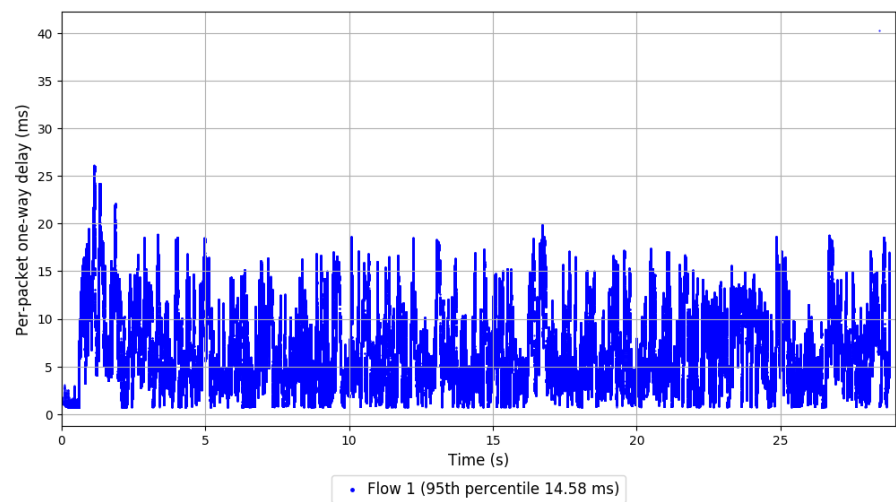
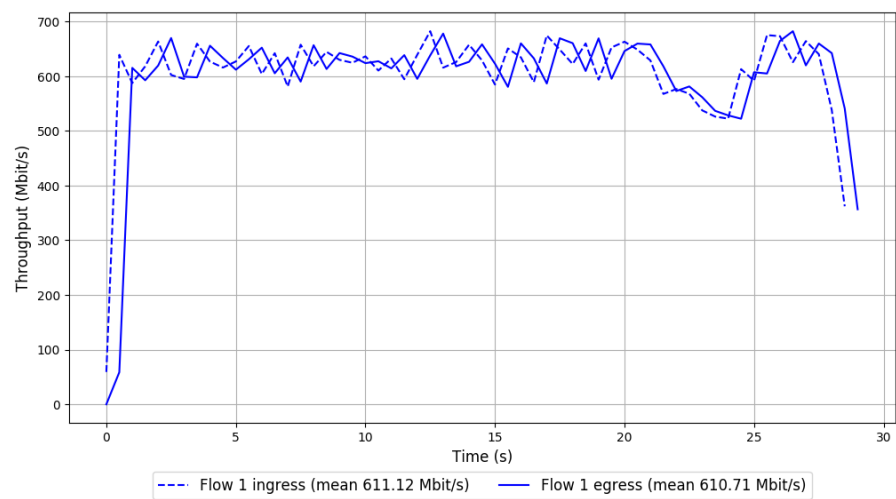
-- Flow 1:

Average throughput: 610.71 Mbit/s

95th percentile per-packet one-way delay: 14.576 ms

Loss rate: 0.07%

Run 4: Report of Indigo-MusesT — Data Link



Run 5: Statistics of Indigo-MusesT

Start at: 2020-02-17 23:58:53

End at: 2020-02-17 23:59:23

Local clock offset: 1.611 ms

Remote clock offset: 0.244 ms

Below is generated by plot.py at 2020-02-18 00:58:15

Datalink statistics

-- Total of 1 flow:

Average throughput: 621.55 Mbit/s

95th percentile per-packet one-way delay: 11.954 ms

Loss rate: 0.08%

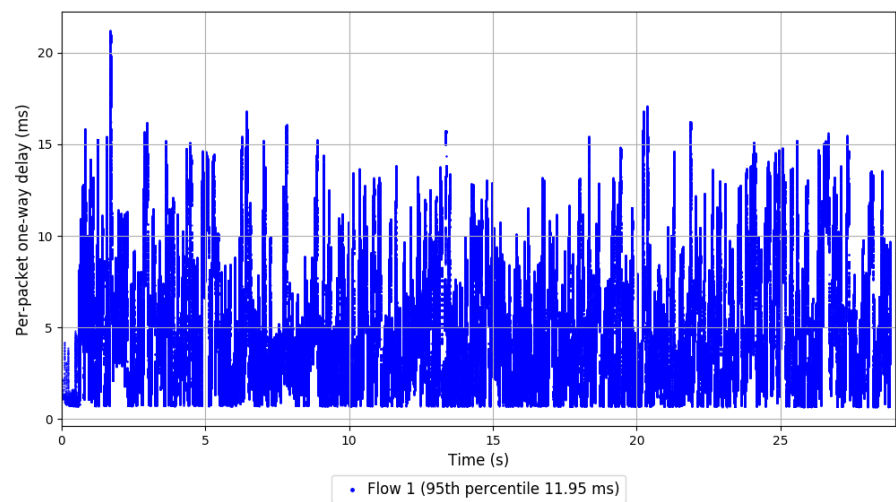
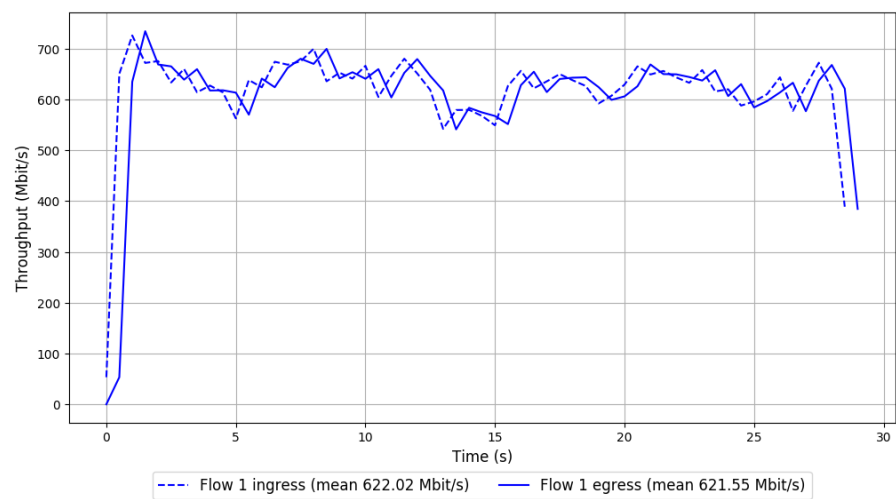
-- Flow 1:

Average throughput: 621.55 Mbit/s

95th percentile per-packet one-way delay: 11.954 ms

Loss rate: 0.08%

Run 5: Report of Indigo-MusesT — Data Link



Run 1: Statistics of LEDBAT

Start at: 2020-02-17 21:47:14

End at: 2020-02-17 21:47:44

Local clock offset: 3.211 ms

Remote clock offset: 0.093 ms

Below is generated by plot.py at 2020-02-18 01:00:31

Datalink statistics

-- Total of 1 flow:

Average throughput: 601.32 Mbit/s

95th percentile per-packet one-way delay: 15.954 ms

Loss rate: 0.03%

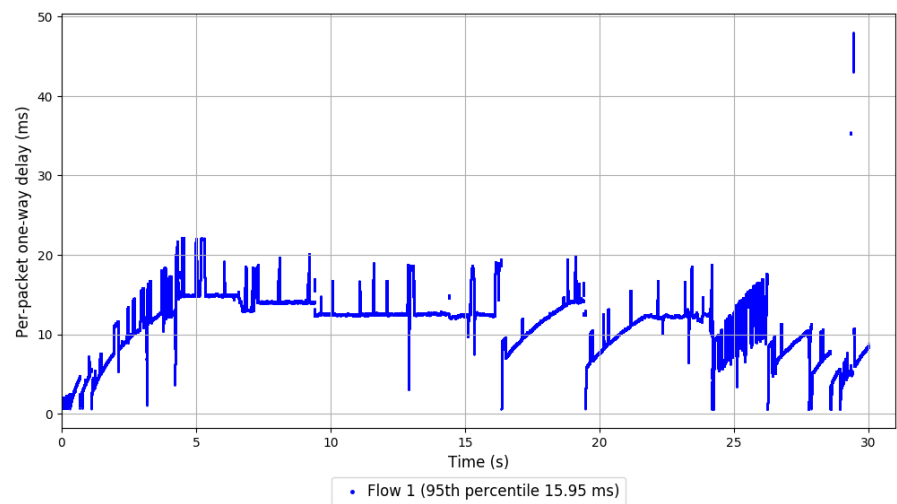
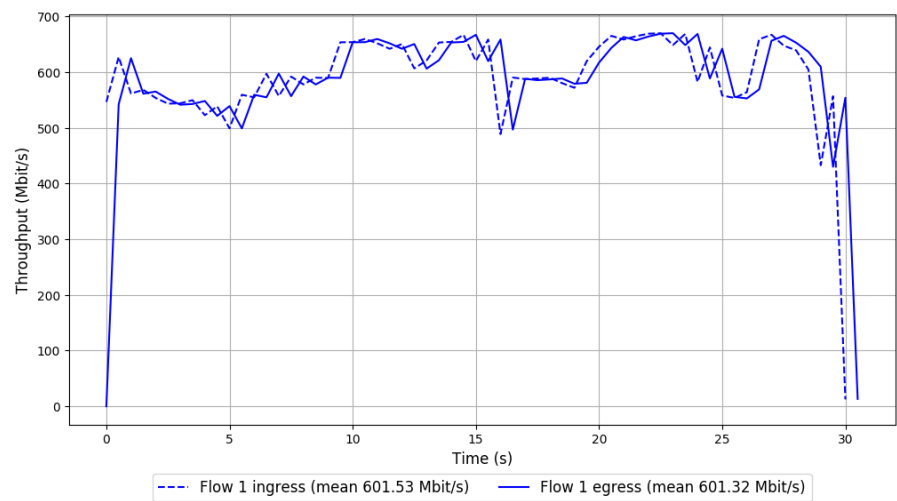
-- Flow 1:

Average throughput: 601.32 Mbit/s

95th percentile per-packet one-way delay: 15.954 ms

Loss rate: 0.03%

Run 1: Report of LEDBAT — Data Link



Run 2: Statistics of LEDBAT

Start at: 2020-02-17 22:20:53

End at: 2020-02-17 22:21:23

Local clock offset: 6.281 ms

Remote clock offset: 0.495 ms

Below is generated by plot.py at 2020-02-18 01:00:54

Datalink statistics

-- Total of 1 flow:

Average throughput: 528.43 Mbit/s

95th percentile per-packet one-way delay: 11.630 ms

Loss rate: 0.03%

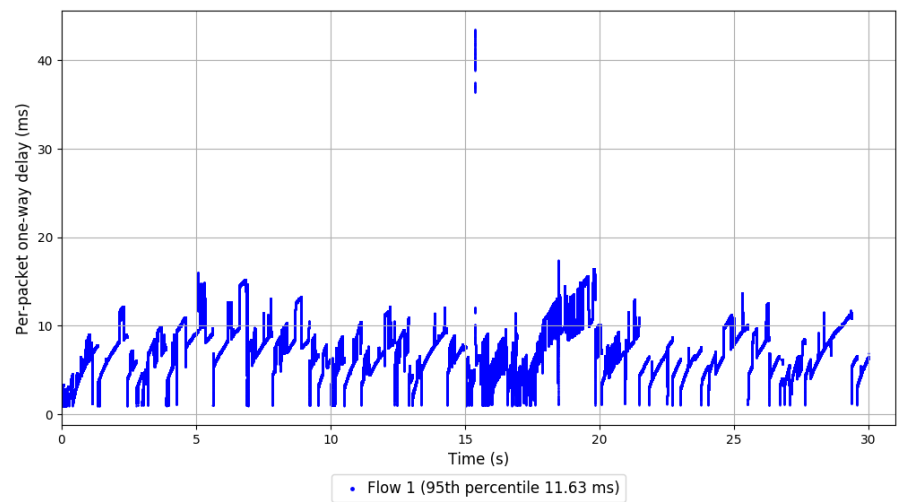
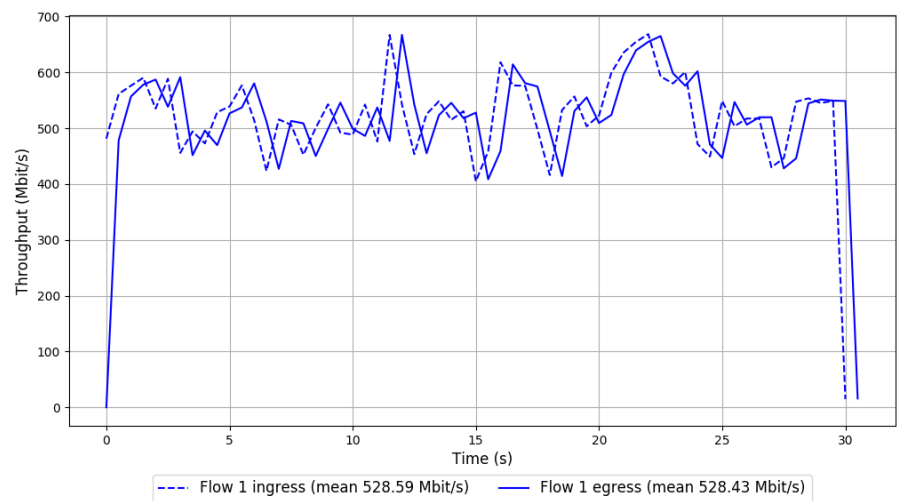
-- Flow 1:

Average throughput: 528.43 Mbit/s

95th percentile per-packet one-way delay: 11.630 ms

Loss rate: 0.03%

Run 2: Report of LEDBAT — Data Link

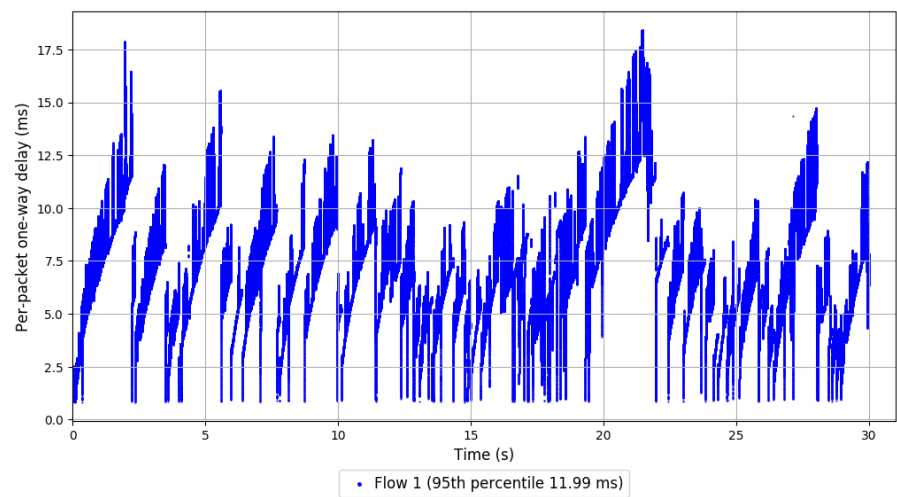
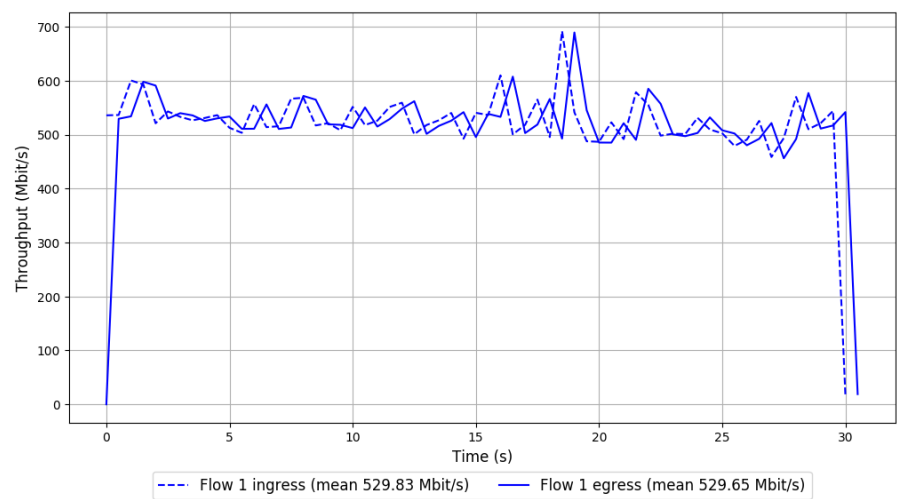


Run 3: Statistics of LEDBAT

Start at: 2020-02-17 22:54:22
End at: 2020-02-17 22:54:52
Local clock offset: 4.442 ms
Remote clock offset: -0.072 ms

Below is generated by plot.py at 2020-02-18 01:00:57
Datalink statistics
-- Total of 1 flow:
Average throughput: 529.65 Mbit/s
95th percentile per-packet one-way delay: 11.994 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 529.65 Mbit/s
95th percentile per-packet one-way delay: 11.994 ms
Loss rate: 0.03%

Run 3: Report of LEDBAT — Data Link



Run 4: Statistics of LEDBAT

Start at: 2020-02-17 23:27:16

End at: 2020-02-17 23:27:46

Local clock offset: 2.815 ms

Remote clock offset: 0.209 ms

Below is generated by plot.py at 2020-02-18 01:00:57

Datalink statistics

-- Total of 1 flow:

Average throughput: 342.99 Mbit/s

95th percentile per-packet one-way delay: 4.298 ms

Loss rate: 0.00%

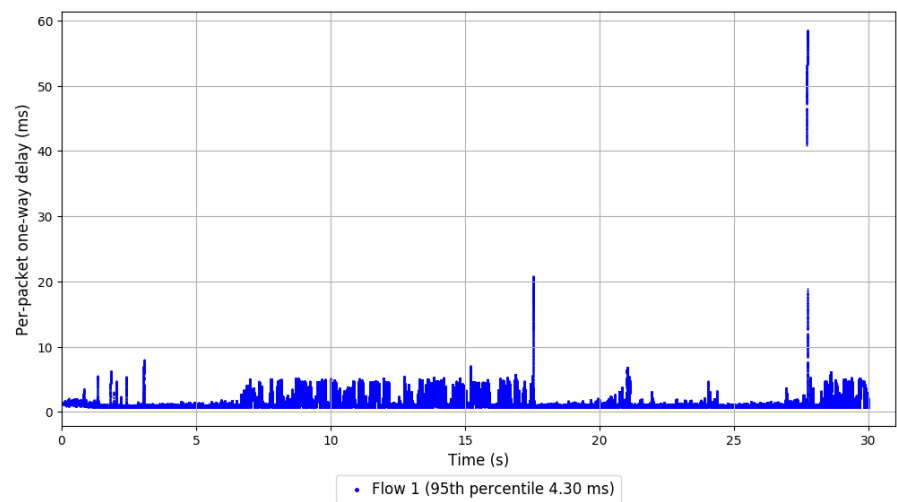
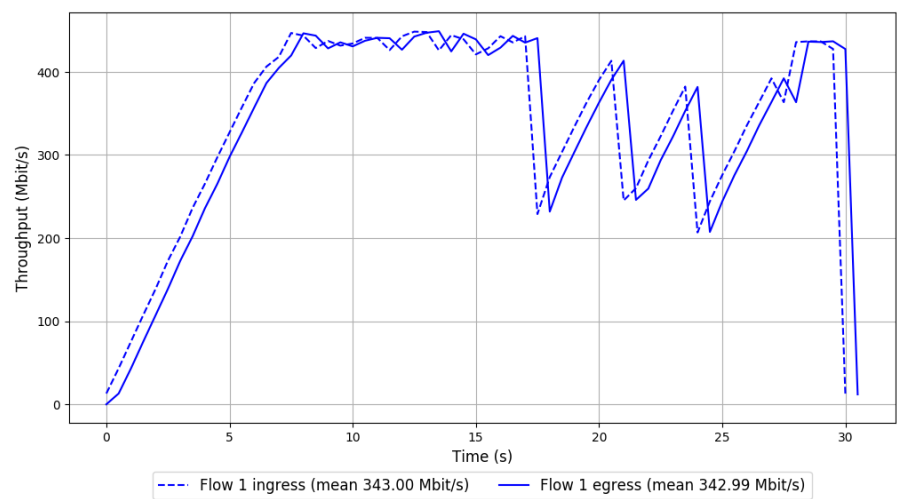
-- Flow 1:

Average throughput: 342.99 Mbit/s

95th percentile per-packet one-way delay: 4.298 ms

Loss rate: 0.00%

Run 4: Report of LEDBAT — Data Link



Run 5: Statistics of LEDBAT

Start at: 2020-02-18 00:00:25

End at: 2020-02-18 00:00:55

Local clock offset: 1.395 ms

Remote clock offset: 0.216 ms

Below is generated by plot.py at 2020-02-18 01:03:34

Datalink statistics

-- Total of 1 flow:

Average throughput: 559.97 Mbit/s

95th percentile per-packet one-way delay: 16.933 ms

Loss rate: 0.05%

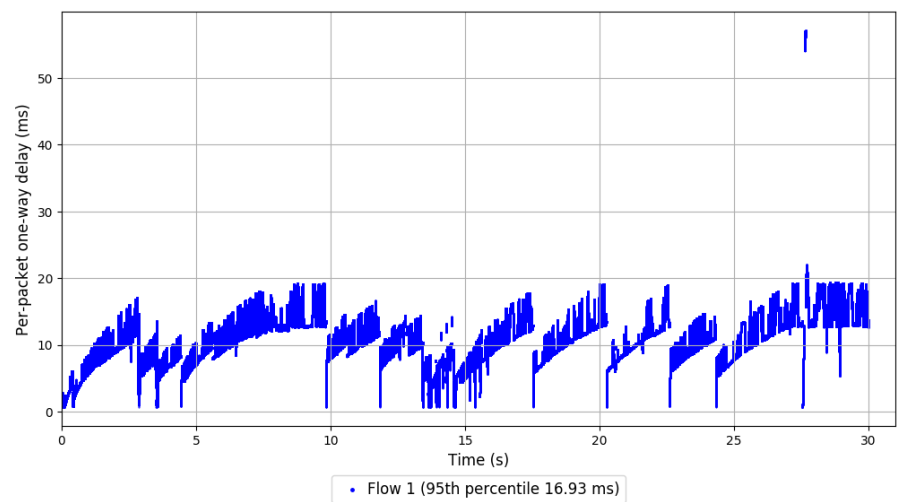
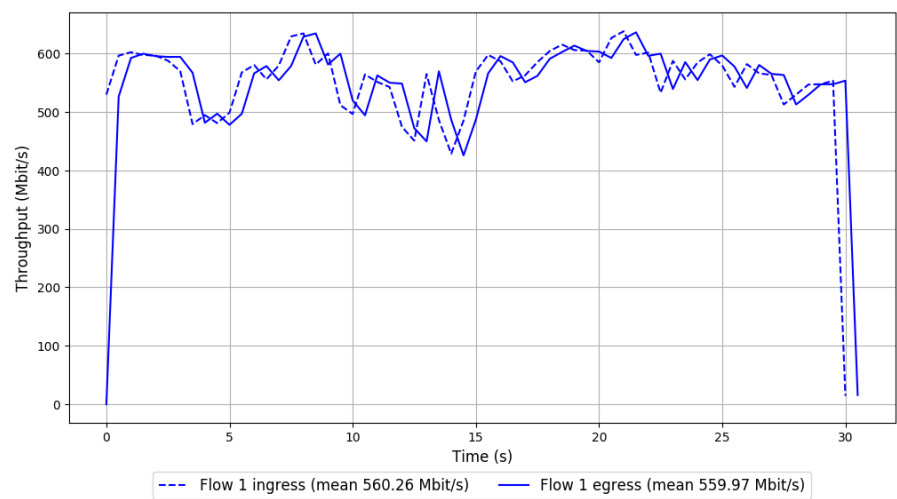
-- Flow 1:

Average throughput: 559.97 Mbit/s

95th percentile per-packet one-way delay: 16.933 ms

Loss rate: 0.05%

Run 5: Report of LEDBAT — Data Link

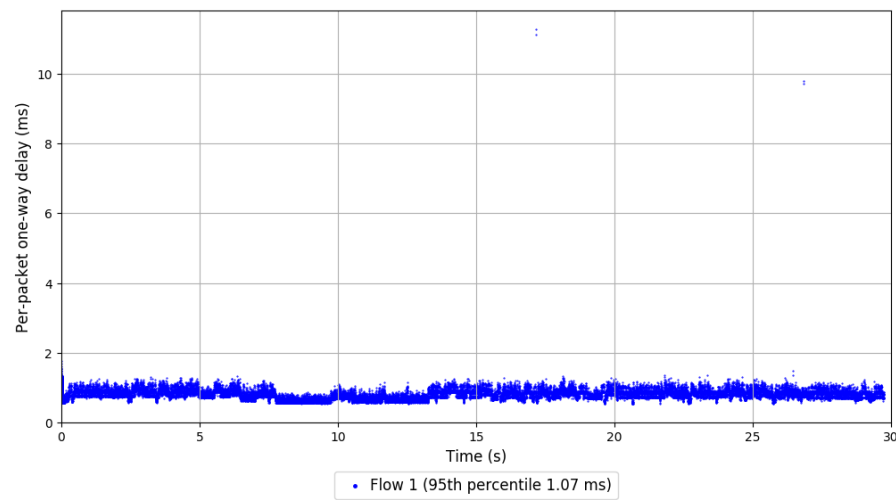
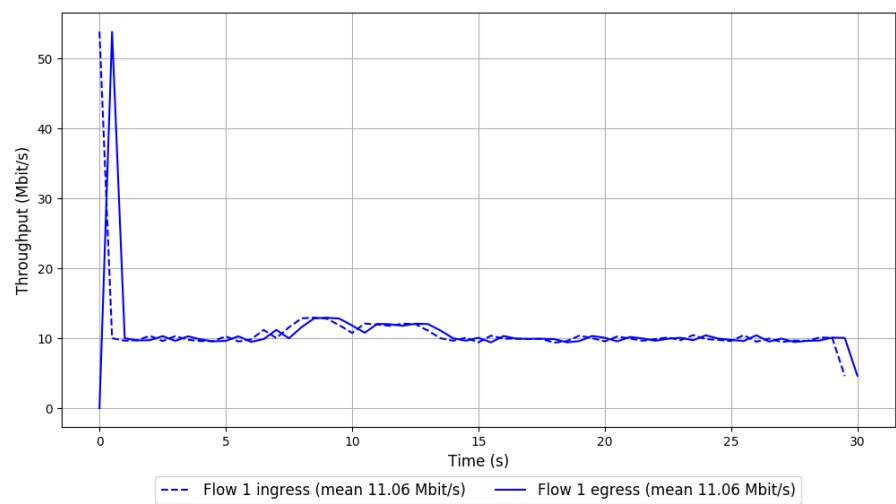


```
Run 1: Statistics of Muses\_DecisionTree

Start at: 2020-02-17 21:37:30
End at: 2020-02-17 21:38:00
Local clock offset: 2.418 ms
Remote clock offset: 0.071 ms

# Below is generated by plot.py at 2020-02-18 01:03:34
# Datalink statistics
-- Total of 1 flow:
Average throughput: 11.06 Mbit/s
95th percentile per-packet one-way delay: 1.067 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 11.06 Mbit/s
95th percentile per-packet one-way delay: 1.067 ms
Loss rate: 0.00%
```

Run 1: Report of Muses_DecisionTree — Data Link



Run 2: Statistics of Muses_DecisionTree

Start at: 2020-02-17 22:10:44

End at: 2020-02-17 22:11:14

Local clock offset: 4.459 ms

Remote clock offset: 0.318 ms

Below is generated by plot.py at 2020-02-18 01:04:52

Datalink statistics

-- Total of 1 flow:

Average throughput: 579.26 Mbit/s

95th percentile per-packet one-way delay: 5.434 ms

Loss rate: 0.03%

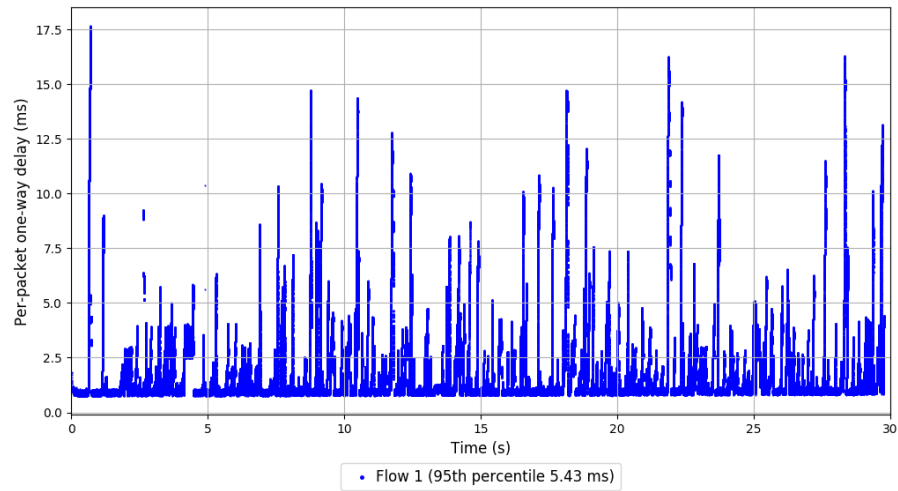
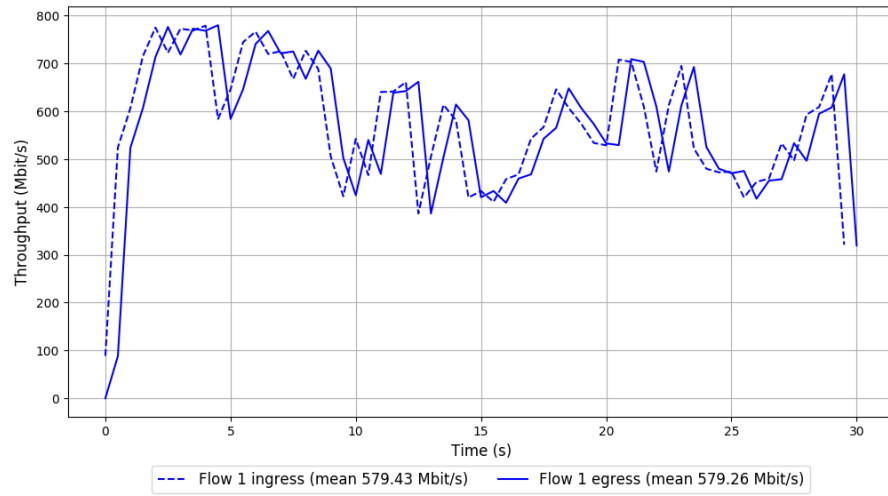
-- Flow 1:

Average throughput: 579.26 Mbit/s

95th percentile per-packet one-way delay: 5.434 ms

Loss rate: 0.03%

Run 2: Report of Muses_DecisionTree — Data Link



Run 3: Statistics of Muses_DecisionTree

Start at: 2020-02-17 22:44:20

End at: 2020-02-17 22:44:50

Local clock offset: 3.87 ms

Remote clock offset: 0.104 ms

Below is generated by plot.py at 2020-02-18 01:04:52

Datalink statistics

-- Total of 1 flow:

Average throughput: 98.58 Mbit/s

95th percentile per-packet one-way delay: 1.628 ms

Loss rate: 0.00%

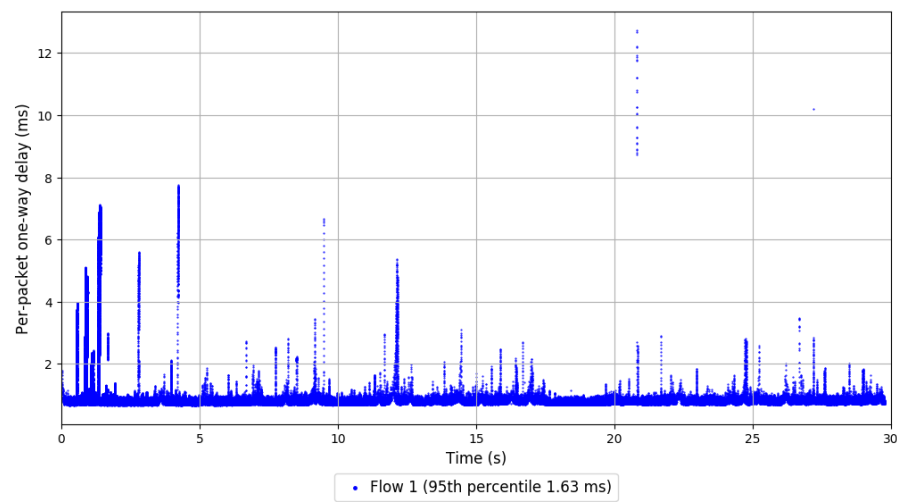
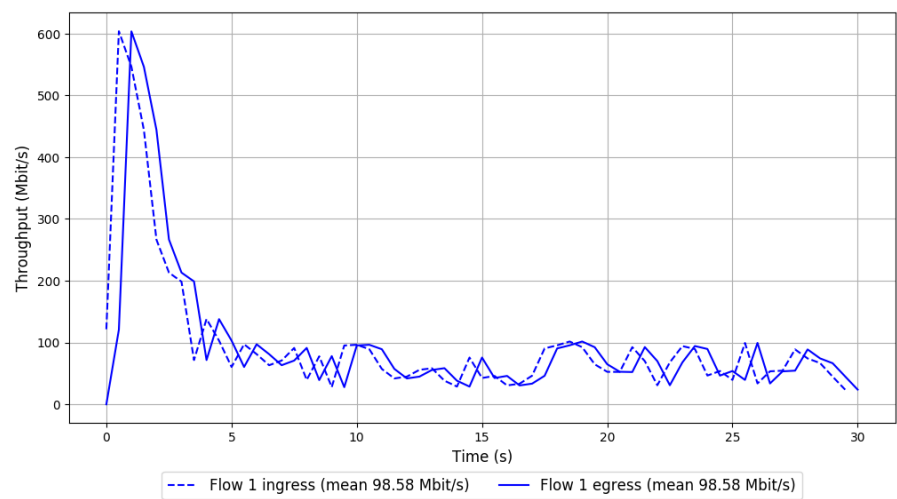
-- Flow 1:

Average throughput: 98.58 Mbit/s

95th percentile per-packet one-way delay: 1.628 ms

Loss rate: 0.00%

Run 3: Report of Muses_DecisionTree — Data Link



Run 4: Statistics of Muses_DecisionTree

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

End at: 2020-02-17 23:17:57

Local clock offset: 2.395 ms

Remote clock offset: 0.096 ms

Below is generated by plot.py at 2020-02-18 01:04:52

Datalink statistics

-- Total of 1 flow:

Average throughput: 10.07 Mbit/s

95th percentile per-packet one-way delay: 1.280 ms

Loss rate: 0.00%

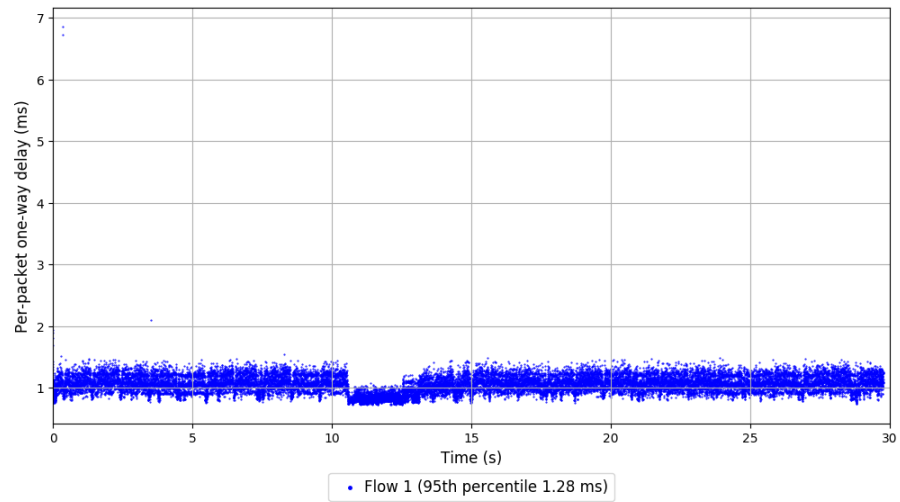
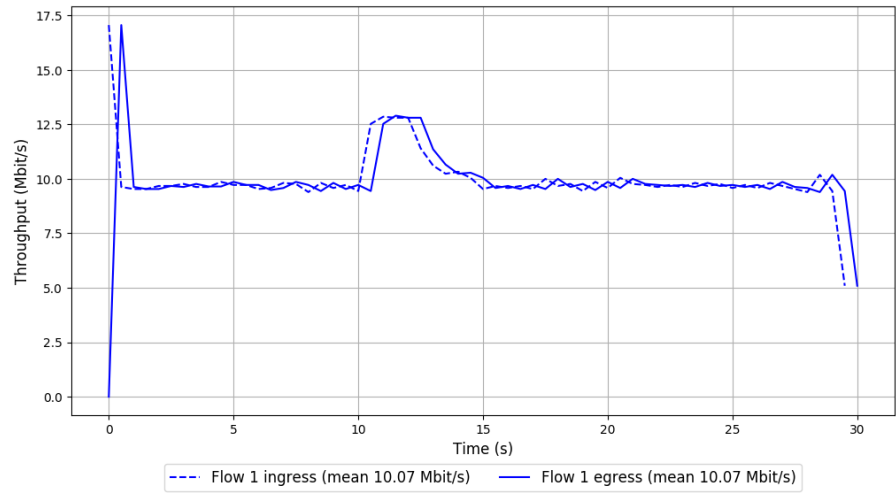
-- Flow 1:

Average throughput: 10.07 Mbit/s

95th percentile per-packet one-way delay: 1.280 ms

Loss rate: 0.00%

Run 4: Report of Muses_DecisionTree — Data Link



Run 5: Statistics of Muses_DecisionTree

Start at: 2020-02-17 23:50:43

End at: 2020-02-17 23:51:13

Local clock offset: 1.508 ms

Remote clock offset: 0.322 ms

Below is generated by plot.py at 2020-02-18 01:04:52

Datalink statistics

-- Total of 1 flow:

Average throughput: 85.63 Mbit/s

95th percentile per-packet one-way delay: 1.123 ms

Loss rate: 0.00%

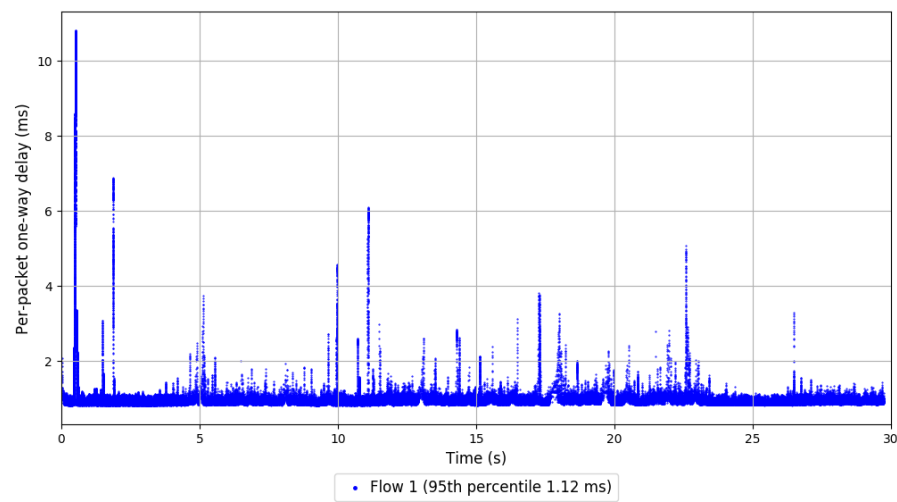
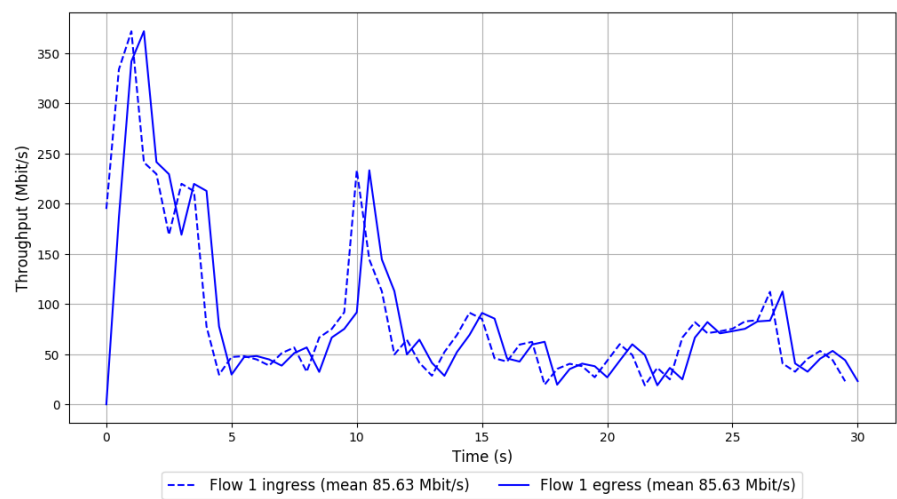
-- Flow 1:

Average throughput: 85.63 Mbit/s

95th percentile per-packet one-way delay: 1.123 ms

Loss rate: 0.00%

Run 5: Report of Muses_DecisionTree — Data Link

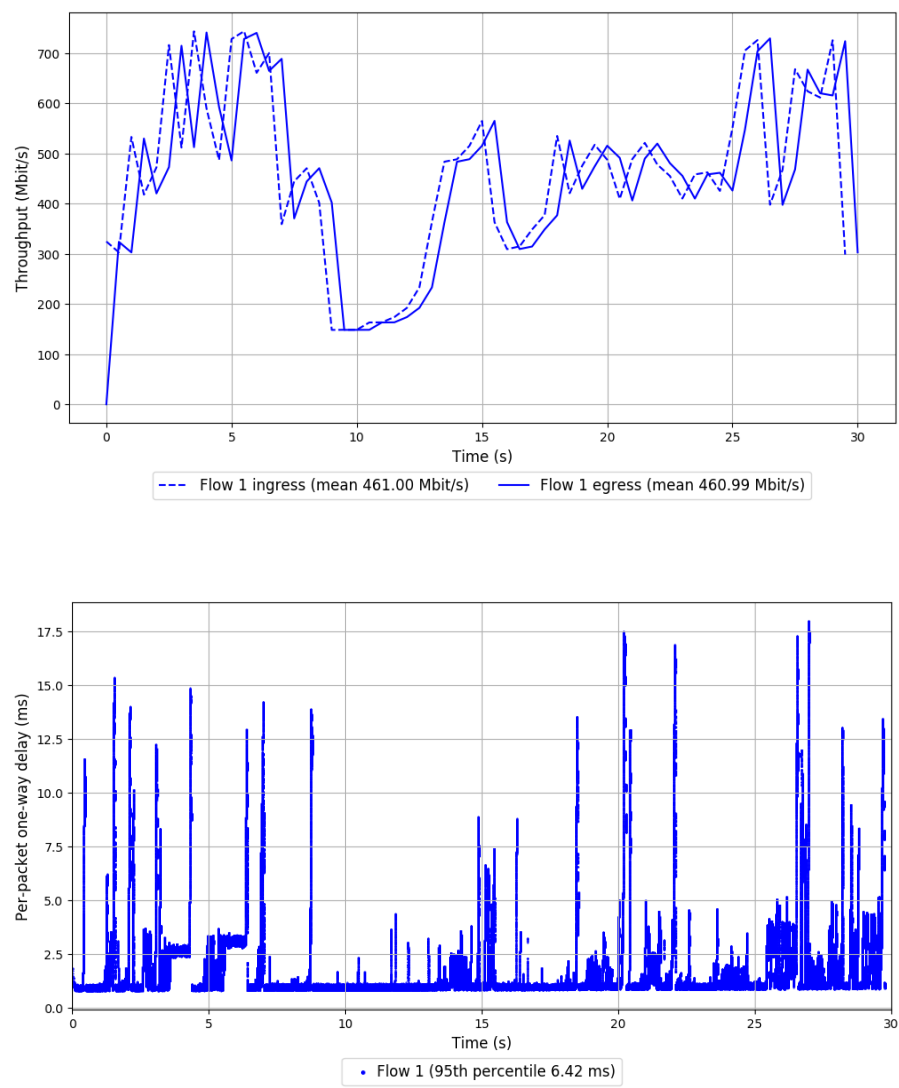


```
Run 1: Statistics of Muses\_DecisionTreeH0

Start at: 2020-02-17 21:54:24
End at: 2020-02-17 21:54:54
Local clock offset: 3.614 ms
Remote clock offset: 0.194 ms

# Below is generated by plot.py at 2020-02-18 01:04:52
# Datalink statistics
-- Total of 1 flow:
Average throughput: 460.99 Mbit/s
95th percentile per-packet one-way delay: 6.417 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 460.99 Mbit/s
95th percentile per-packet one-way delay: 6.417 ms
Loss rate: 0.00%
```

Run 1: Report of Muses_DecisionTreeH0 — Data Link

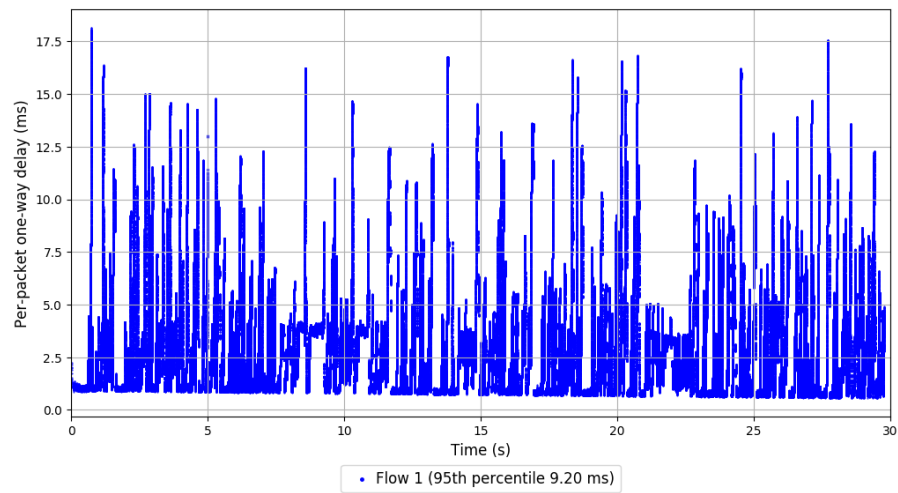
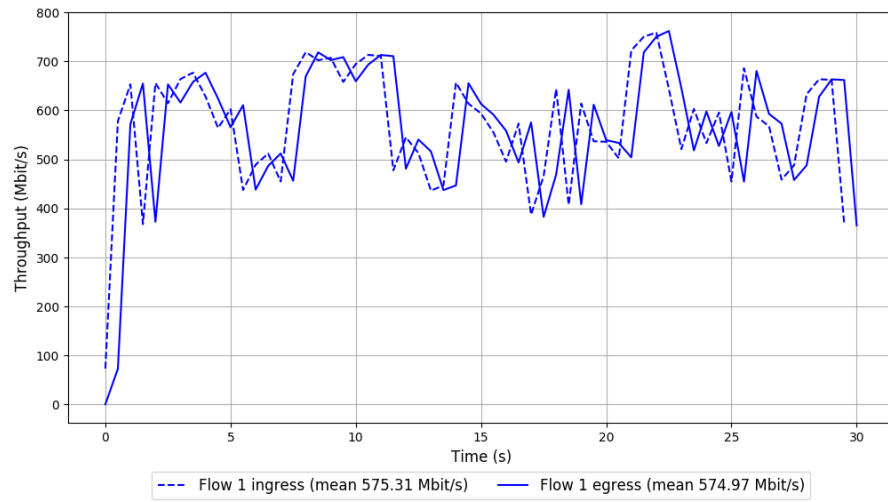


```
Run 2: Statistics of Muses\_DecisionTreeH0

Start at: 2020-02-17 22:27:32
End at: 2020-02-17 22:28:02
Local clock offset: 7.738 ms
Remote clock offset: 0.527 ms

# Below is generated by plot.py at 2020-02-18 01:05:53
# Datalink statistics
-- Total of 1 flow:
Average throughput: 574.97 Mbit/s
95th percentile per-packet one-way delay: 9.199 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 574.97 Mbit/s
95th percentile per-packet one-way delay: 9.199 ms
Loss rate: 0.06%
```

Run 2: Report of Muses_DecisionTreeH0 — Data Link

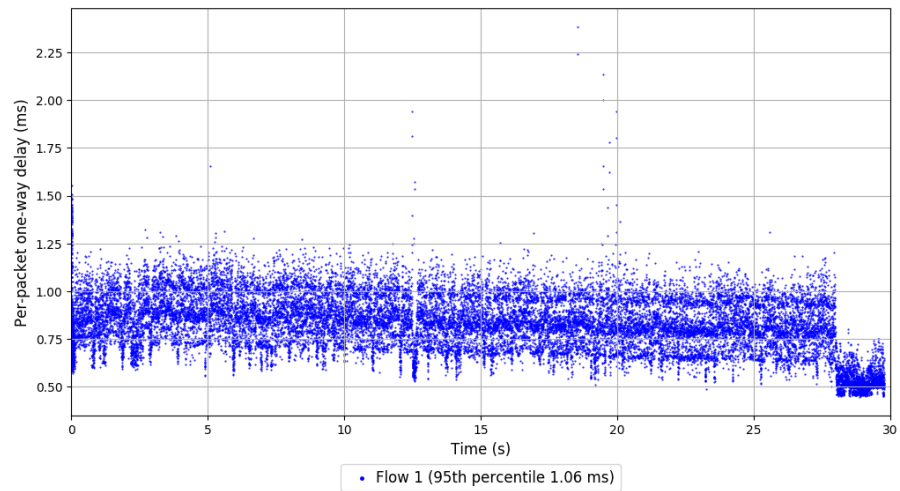
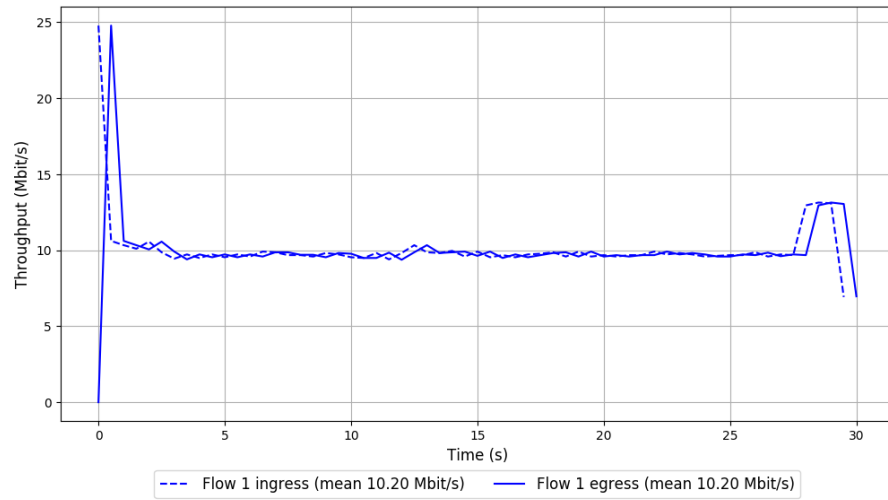


Run 3: Statistics of Muses_DecisionTreeH0

Start at: 2020-02-17 23:01:10
End at: 2020-02-17 23:01:40
Local clock offset: 3.793 ms
Remote clock offset: -0.157 ms

Below is generated by plot.py at 2020-02-18 01:05:53
Datalink statistics
-- Total of 1 flow:
Average throughput: 10.20 Mbit/s
95th percentile per-packet one-way delay: 1.062 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 10.20 Mbit/s
95th percentile per-packet one-way delay: 1.062 ms
Loss rate: 0.00%

Run 3: Report of Muses_DecisionTreeH0 — Data Link



Run 4: Statistics of Muses_DecisionTreeH0

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

End at: 2020-02-17 23:34:47

Local clock offset: 1.865 ms

Remote clock offset: 0.244 ms

Below is generated by plot.py at 2020-02-18 01:05:53

Datalink statistics

-- Total of 1 flow:

Average throughput: 383.40 Mbit/s

95th percentile per-packet one-way delay: 7.682 ms

Loss rate: 0.13%

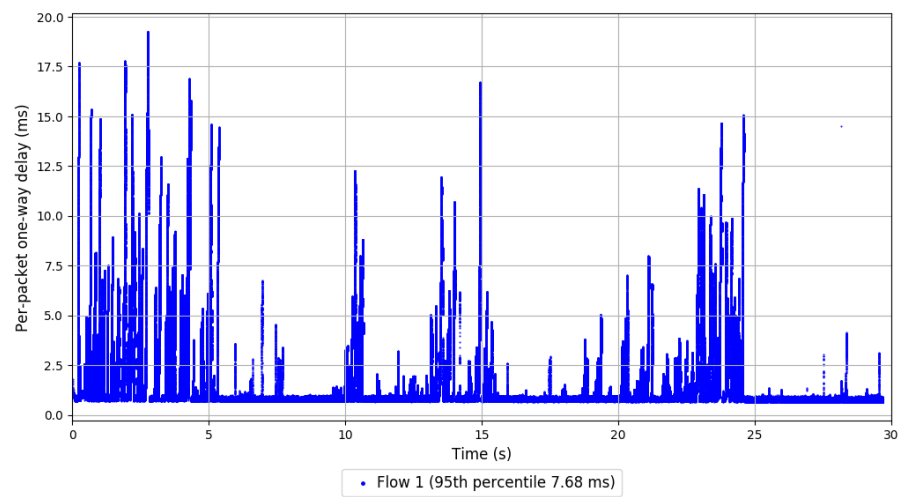
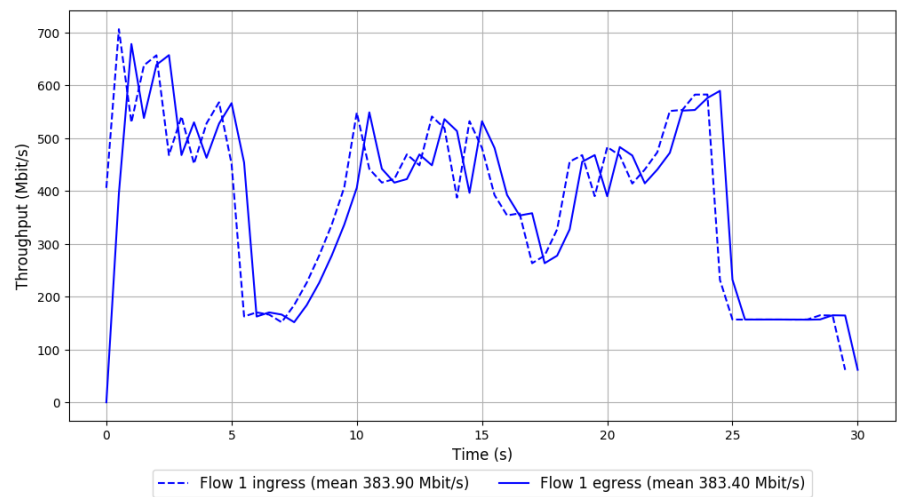
-- Flow 1:

Average throughput: 383.40 Mbit/s

95th percentile per-packet one-way delay: 7.682 ms

Loss rate: 0.13%

Run 4: Report of Muses_DecisionTreeH0 — Data Link



Run 5: Statistics of Muses_DecisionTreeH0

Start at: 2020-02-18 00:07:32

End at: 2020-02-18 00:08:02

Local clock offset: 0.795 ms

Remote clock offset: 0.199 ms

Below is generated by plot.py at 2020-02-18 01:06:25

Datalink statistics

-- Total of 1 flow:

Average throughput: 532.35 Mbit/s

95th percentile per-packet one-way delay: 10.131 ms

Loss rate: 0.02%

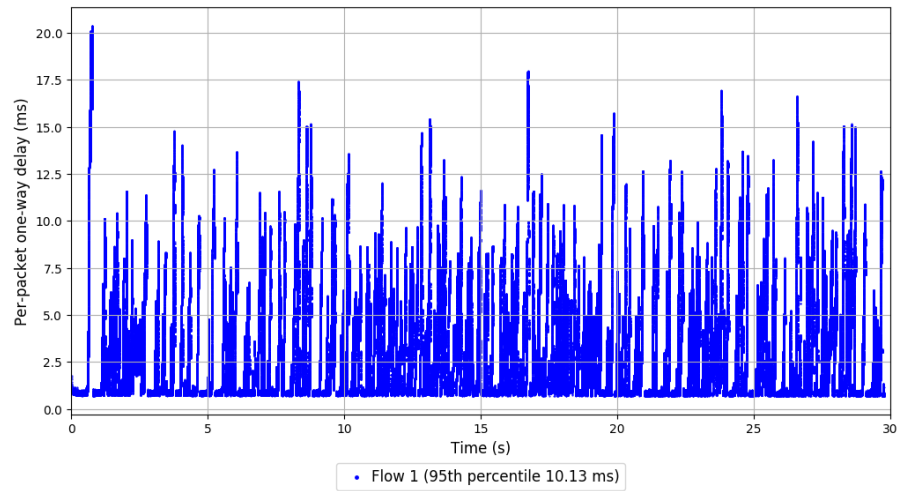
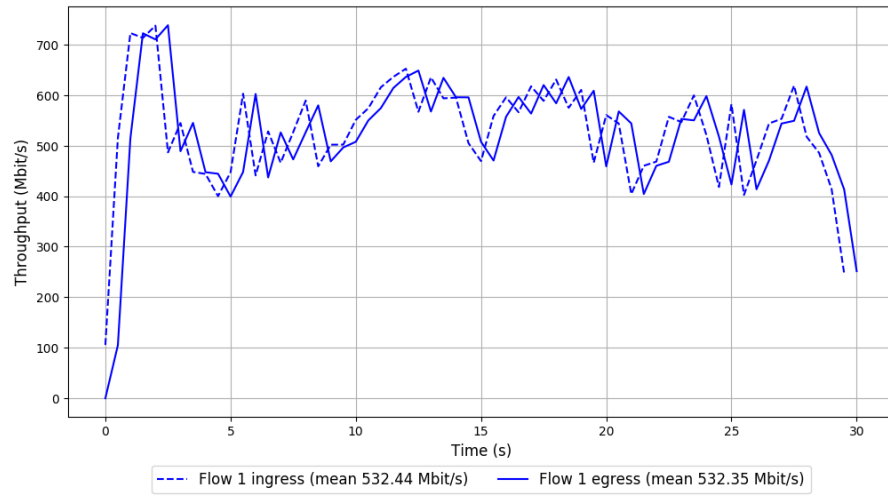
-- Flow 1:

Average throughput: 532.35 Mbit/s

95th percentile per-packet one-way delay: 10.131 ms

Loss rate: 0.02%

Run 5: Report of Muses_DecisionTreeH0 — Data Link

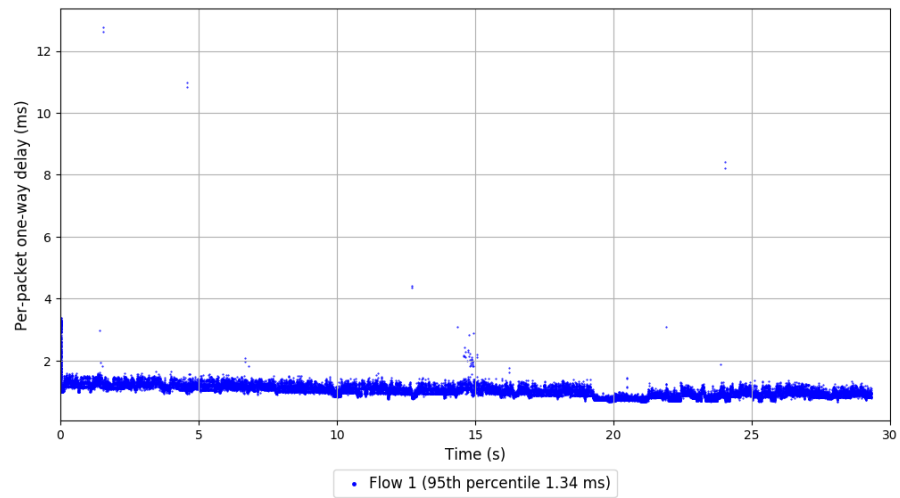
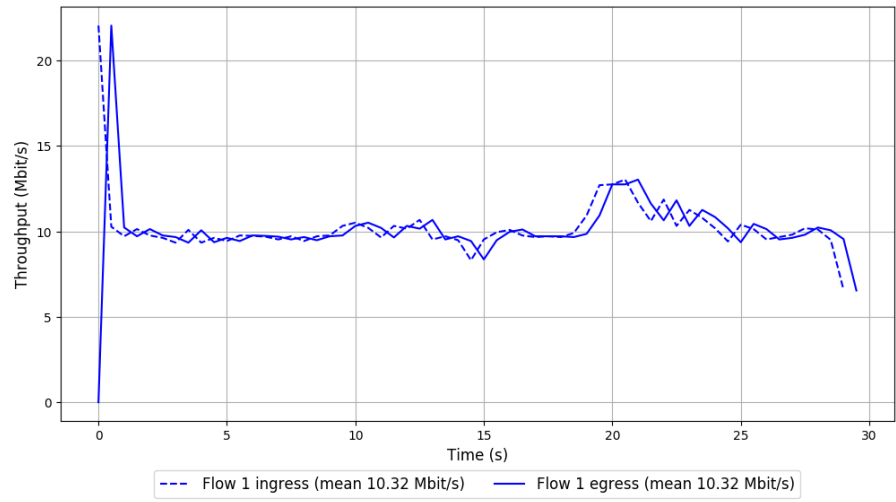


```
Run 1: Statistics of Muses\_DecisionTreeR0

Start at: 2020-02-17 21:29:48
End at: 2020-02-17 21:30:18
Local clock offset: 1.593 ms
Remote clock offset: 0.261 ms

# Below is generated by plot.py at 2020-02-18 01:06:25
# Datalink statistics
-- Total of 1 flow:
Average throughput: 10.32 Mbit/s
95th percentile per-packet one-way delay: 1.341 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 10.32 Mbit/s
95th percentile per-packet one-way delay: 1.341 ms
Loss rate: 0.01%
```

Run 1: Report of Muses_DecisionTreeR0 — Data Link



Run 2: Statistics of Muses_DecisionTreeR0

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

End at: 2020-02-17 22:03:24

Local clock offset: 3.918 ms

Remote clock offset: 0.411 ms

Below is generated by plot.py at 2020-02-18 01:06:25

Datalink statistics

-- Total of 1 flow:

Average throughput: 266.87 Mbit/s

95th percentile per-packet one-way delay: 1.048 ms

Loss rate: 0.01%

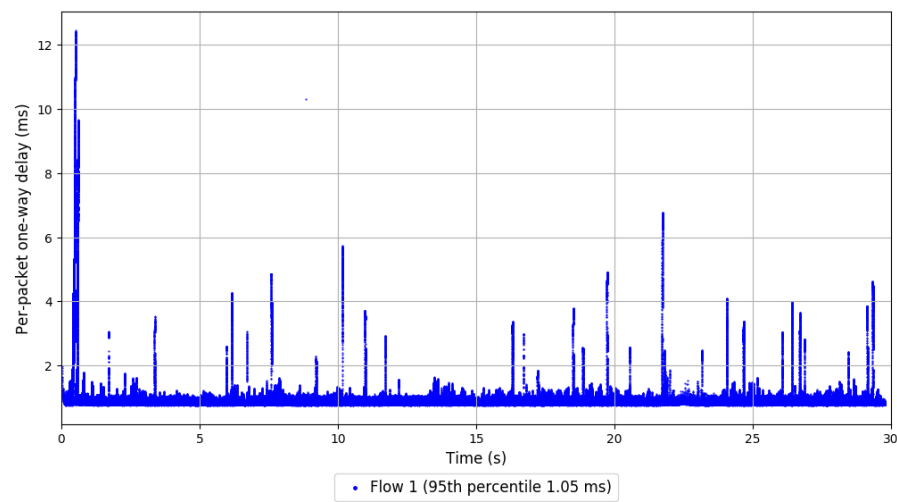
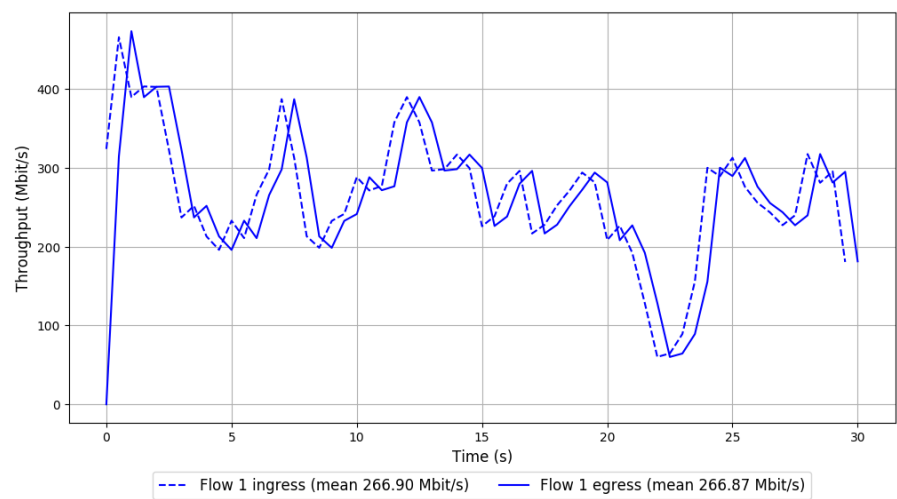
-- Flow 1:

Average throughput: 266.87 Mbit/s

95th percentile per-packet one-way delay: 1.048 ms

Loss rate: 0.01%

Run 2: Report of Muses_DecisionTreeR0 — Data Link



Run 3: Statistics of Muses_DecisionTreeR0

Start at: 2020-02-17 22:36:28

End at: 2020-02-17 22:36:58

Local clock offset: 4.477 ms

Remote clock offset: 0.624 ms

Below is generated by plot.py at 2020-02-18 01:06:25

Datalink statistics

-- Total of 1 flow:

Average throughput: 423.23 Mbit/s

95th percentile per-packet one-way delay: 6.455 ms

Loss rate: 0.03%

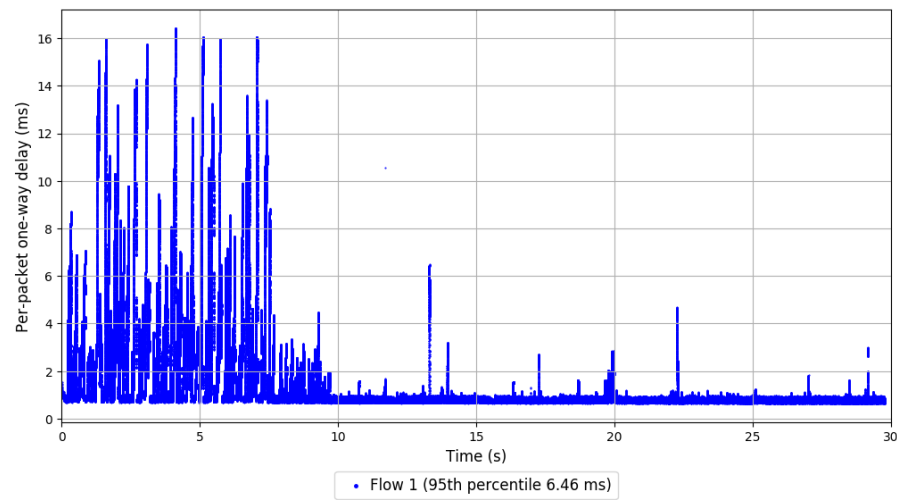
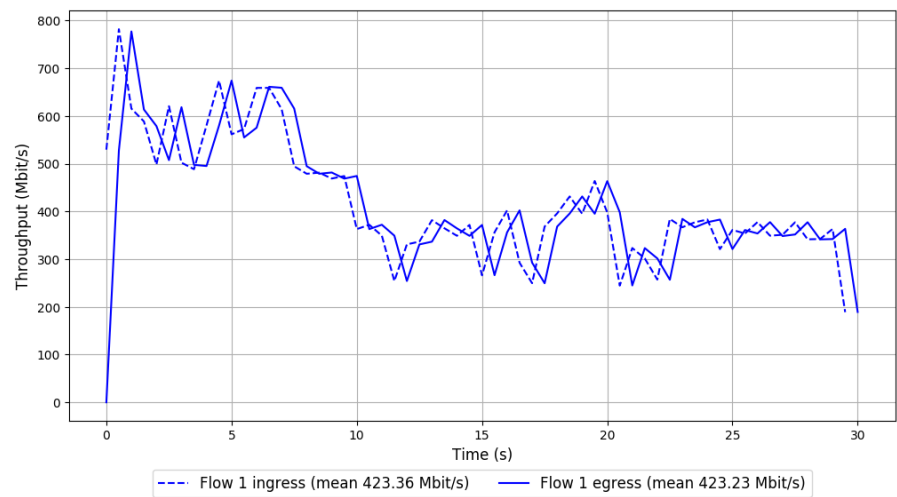
-- Flow 1:

Average throughput: 423.23 Mbit/s

95th percentile per-packet one-way delay: 6.455 ms

Loss rate: 0.03%

Run 3: Report of Muses_DecisionTreeR0 — Data Link

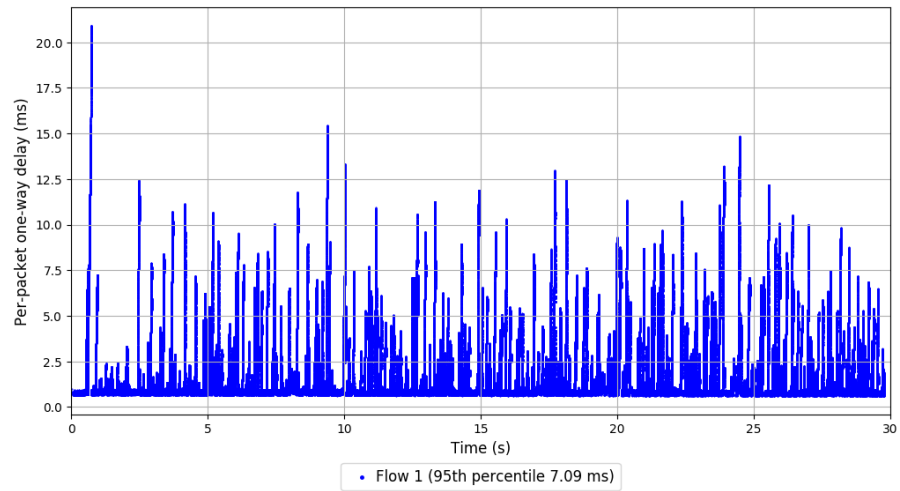
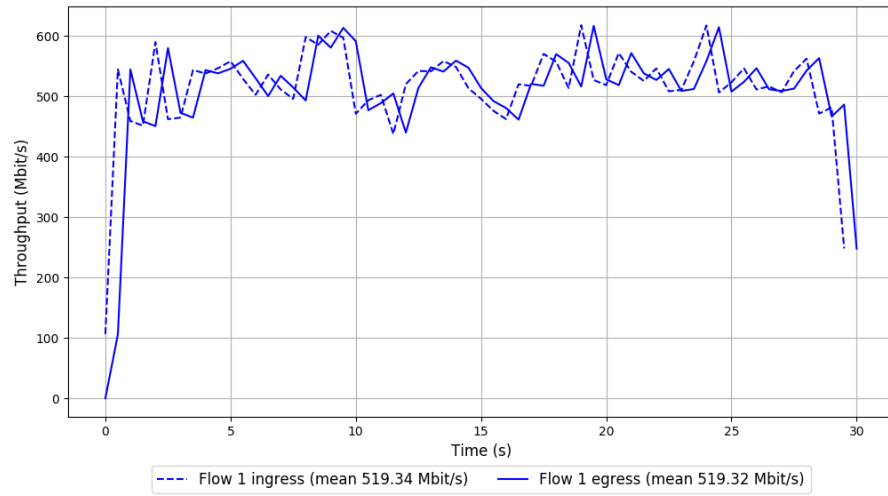


```
Run 4: Statistics of Muses\_DecisionTreeR0

Start at: 2020-02-17 23:09:39
End at: 2020-02-17 23:10:09
Local clock offset: 2.457 ms
Remote clock offset: -0.237 ms

# Below is generated by plot.py at 2020-02-18 01:09:08
# Datalink statistics
-- Total of 1 flow:
Average throughput: 519.32 Mbit/s
95th percentile per-packet one-way delay: 7.093 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 519.32 Mbit/s
95th percentile per-packet one-way delay: 7.093 ms
Loss rate: 0.00%
```

Run 4: Report of Muses_DecisionTreeR0 — Data Link



Run 5: Statistics of Muses_DecisionTreeR0

Start at: 2020-02-17 23:42:50

End at: 2020-02-17 23:43:20

Local clock offset: 1.448 ms

Remote clock offset: 0.329 ms

Below is generated by plot.py at 2020-02-18 01:10:02

Datalink statistics

-- Total of 1 flow:

Average throughput: 532.25 Mbit/s

95th percentile per-packet one-way delay: 6.680 ms

Loss rate: 0.02%

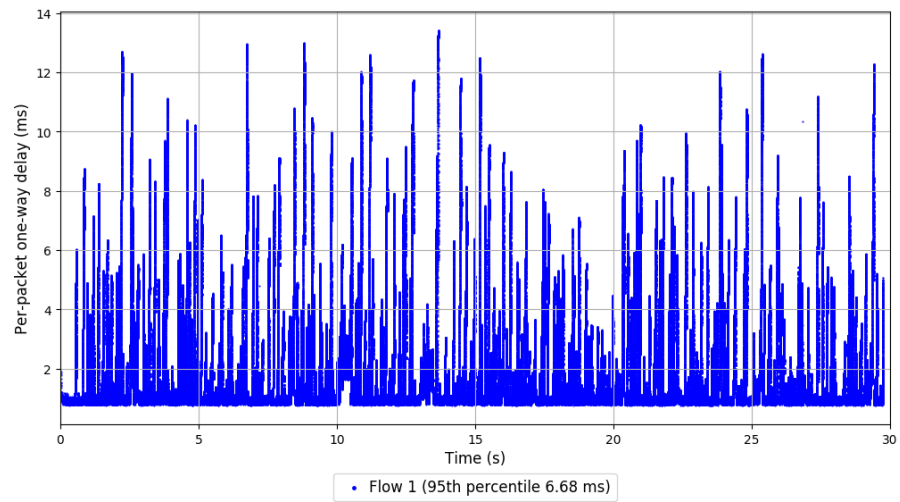
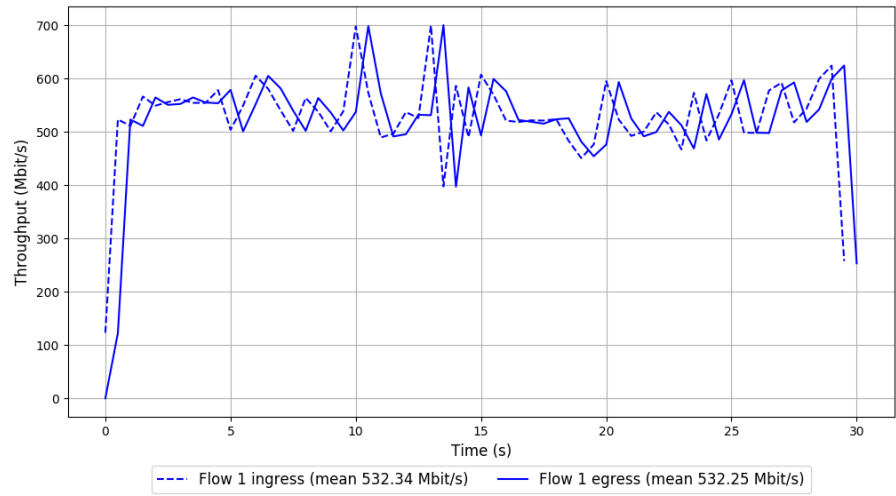
-- Flow 1:

Average throughput: 532.25 Mbit/s

95th percentile per-packet one-way delay: 6.680 ms

Loss rate: 0.02%

Run 5: Report of Muses_DecisionTreeR0 — Data Link

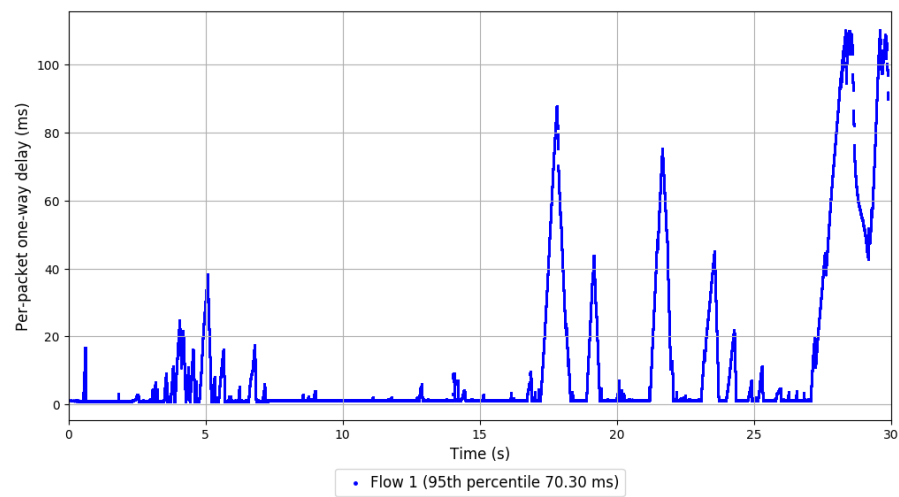
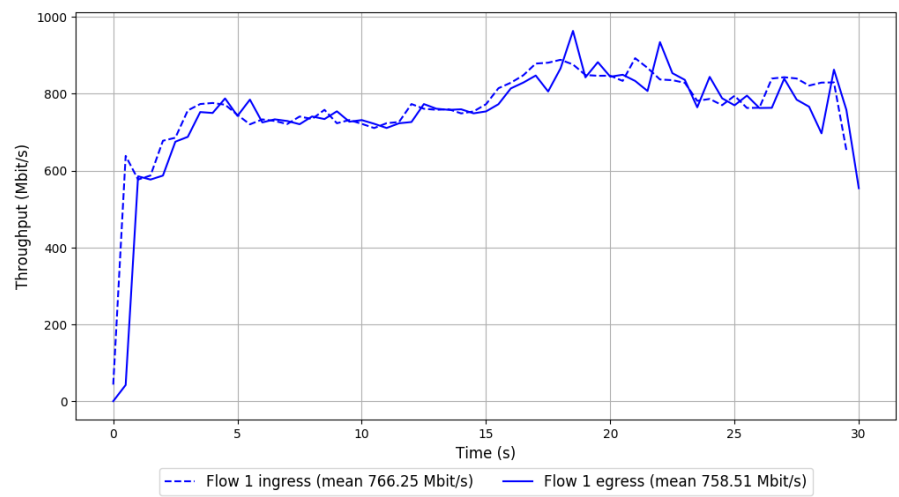


```
Run 1: Statistics of PCC-Allegro

Start at: 2020-02-17 21:52:53
End at: 2020-02-17 21:53:23
Local clock offset: 3.366 ms
Remote clock offset: 0.253 ms

# Below is generated by plot.py at 2020-02-18 01:13:17
# Datalink statistics
-- Total of 1 flow:
Average throughput: 758.51 Mbit/s
95th percentile per-packet one-way delay: 70.304 ms
Loss rate: 1.01%
-- Flow 1:
Average throughput: 758.51 Mbit/s
95th percentile per-packet one-way delay: 70.304 ms
Loss rate: 1.01%
```

Run 1: Report of PCC-Allegro — Data Link



Run 2: Statistics of PCC-Allegro

Start at: 2020-02-17 22:26:11

End at: 2020-02-17 22:26:41

Local clock offset: 7.466 ms

Remote clock offset: 0.526 ms

Below is generated by plot.py at 2020-02-18 01:13:17

Datalink statistics

-- Total of 1 flow:

Average throughput: 330.46 Mbit/s

95th percentile per-packet one-way delay: 1.248 ms

Loss rate: 0.01%

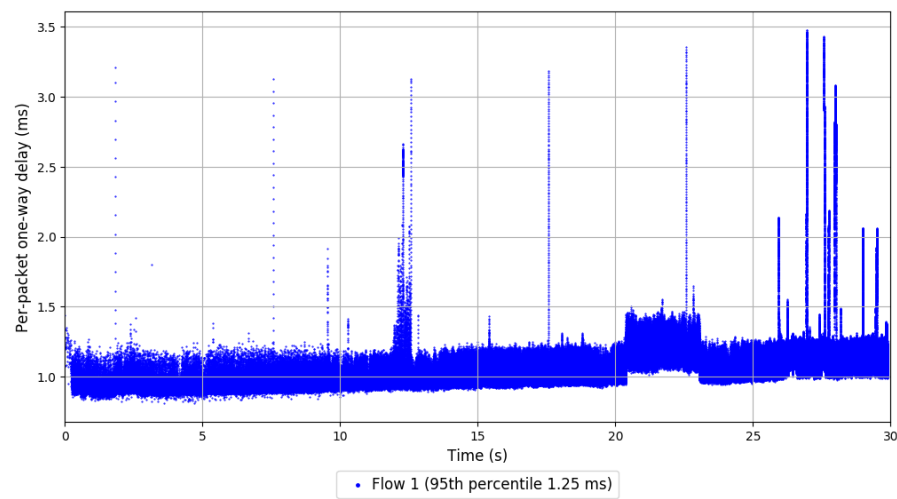
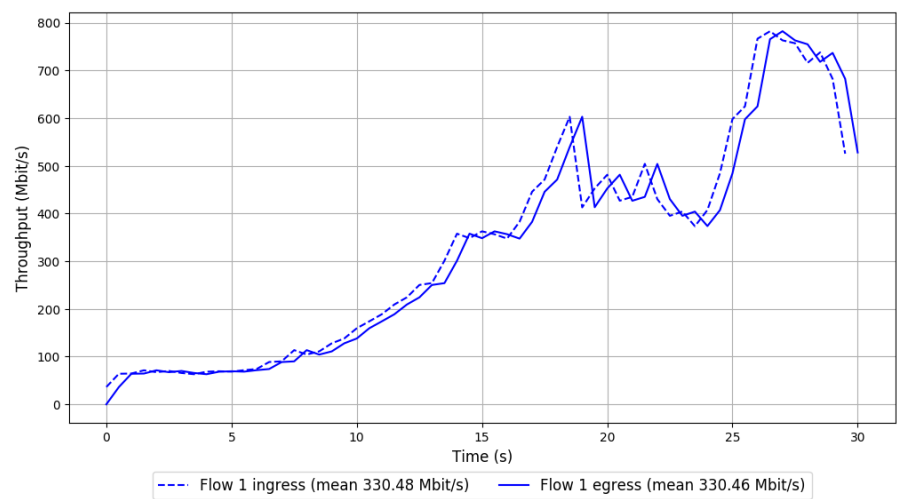
-- Flow 1:

Average throughput: 330.46 Mbit/s

95th percentile per-packet one-way delay: 1.248 ms

Loss rate: 0.01%

Run 2: Report of PCC-Allegro — Data Link



Run 3: Statistics of PCC-Allegro

Start at: 2020-02-17 22:59:42

End at: 2020-02-17 23:00:12

Local clock offset: 4.198 ms

Remote clock offset: -0.104 ms

Below is generated by plot.py at 2020-02-18 01:13:17

Datalink statistics

-- Total of 1 flow:

Average throughput: 657.14 Mbit/s

95th percentile per-packet one-way delay: 5.513 ms

Loss rate: 0.05%

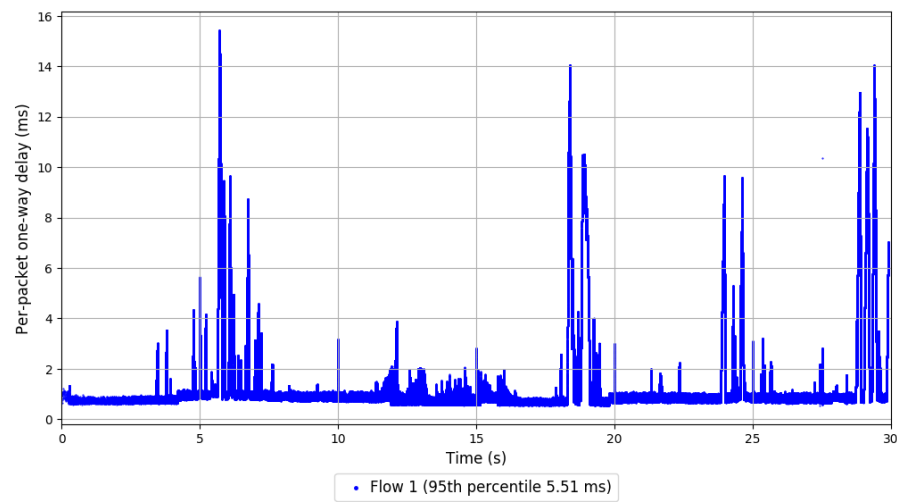
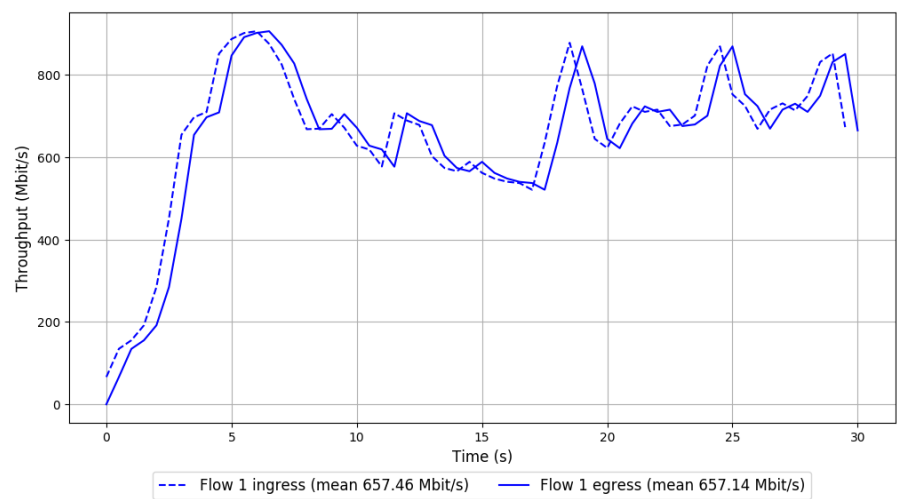
-- Flow 1:

Average throughput: 657.14 Mbit/s

95th percentile per-packet one-way delay: 5.513 ms

Loss rate: 0.05%

Run 3: Report of PCC-Allegro — Data Link



Run 4: Statistics of PCC-Allegro

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

End at: 2020-02-17 23:33:15

Local clock offset: 2.062 ms

Remote clock offset: 0.117 ms

Below is generated by plot.py at 2020-02-18 01:15:09

Datalink statistics

-- Total of 1 flow:

Average throughput: 787.33 Mbit/s

95th percentile per-packet one-way delay: 83.103 ms

Loss rate: 2.13%

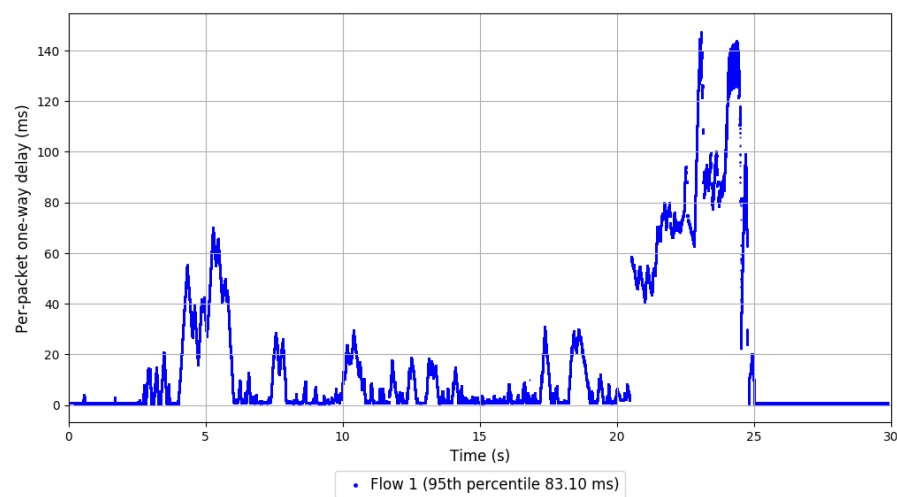
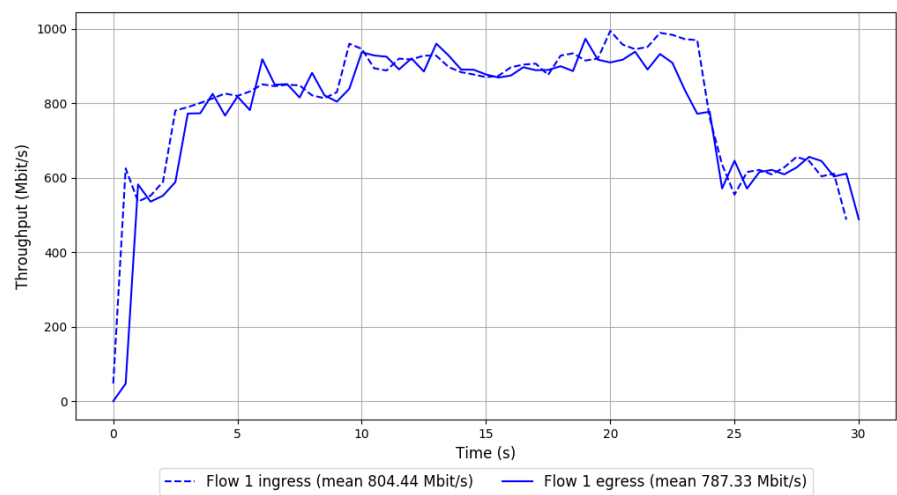
-- Flow 1:

Average throughput: 787.33 Mbit/s

95th percentile per-packet one-way delay: 83.103 ms

Loss rate: 2.13%

Run 4: Report of PCC-Allegro — Data Link



Run 5: Statistics of PCC-Allegro

Start at: 2020-02-18 00:06:02

End at: 2020-02-18 00:06:32

Local clock offset: 0.865 ms

Remote clock offset: 0.179 ms

Below is generated by plot.py at 2020-02-18 01:15:09

Datalink statistics

-- Total of 1 flow:

Average throughput: 722.77 Mbit/s

95th percentile per-packet one-way delay: 6.181 ms

Loss rate: 0.07%

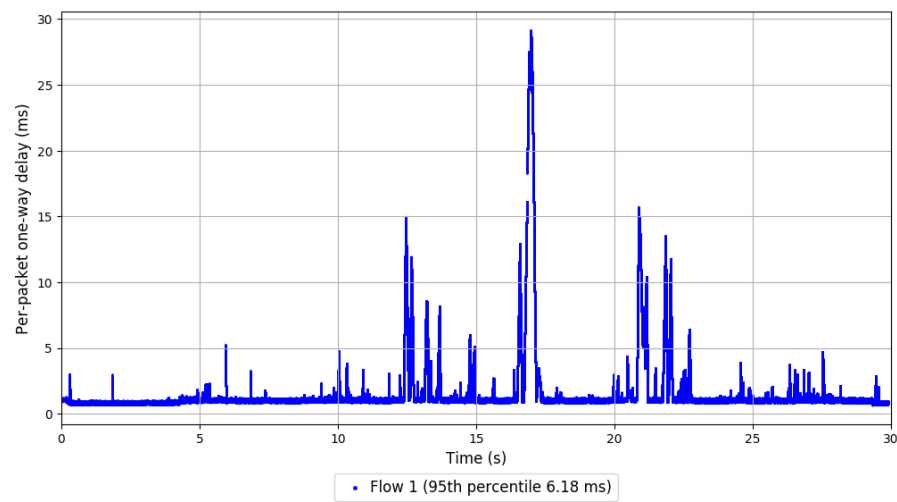
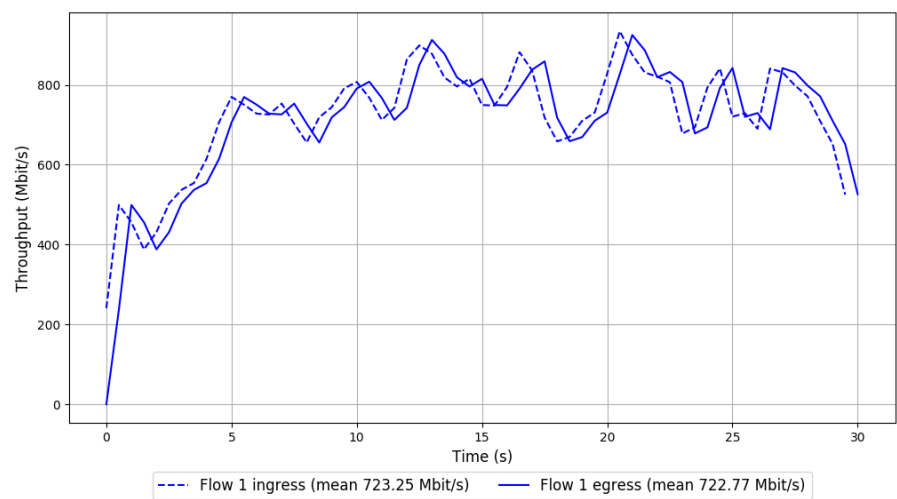
-- Flow 1:

Average throughput: 722.77 Mbit/s

95th percentile per-packet one-way delay: 6.181 ms

Loss rate: 0.07%

Run 5: Report of PCC-Allegro — Data Link



Run 1: Statistics of PCC-Expr

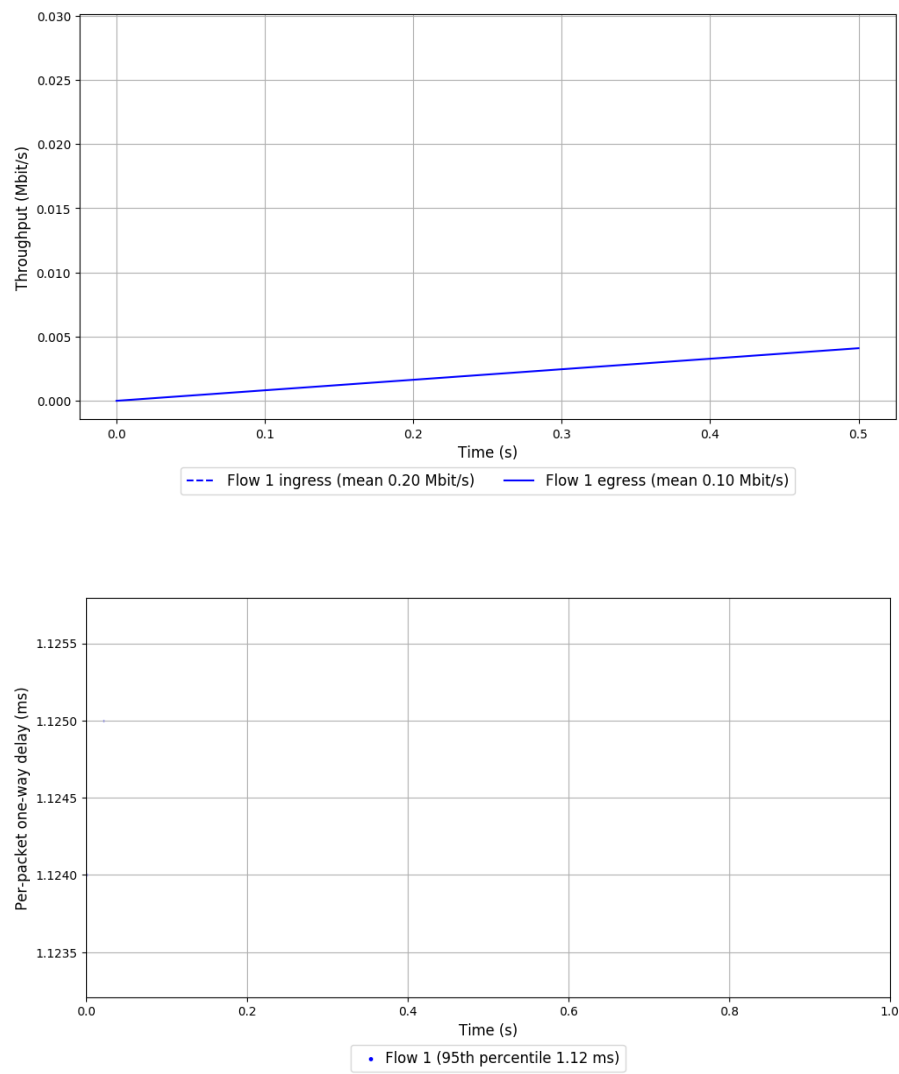
Start at: 2020-02-17 21:48:52

End at: 2020-02-17 21:49:22

Local clock offset: 3.034 ms

Remote clock offset: 0.166 ms

Run 1: Report of PCC-Expr — Data Link



Run 2: Statistics of PCC-Expr

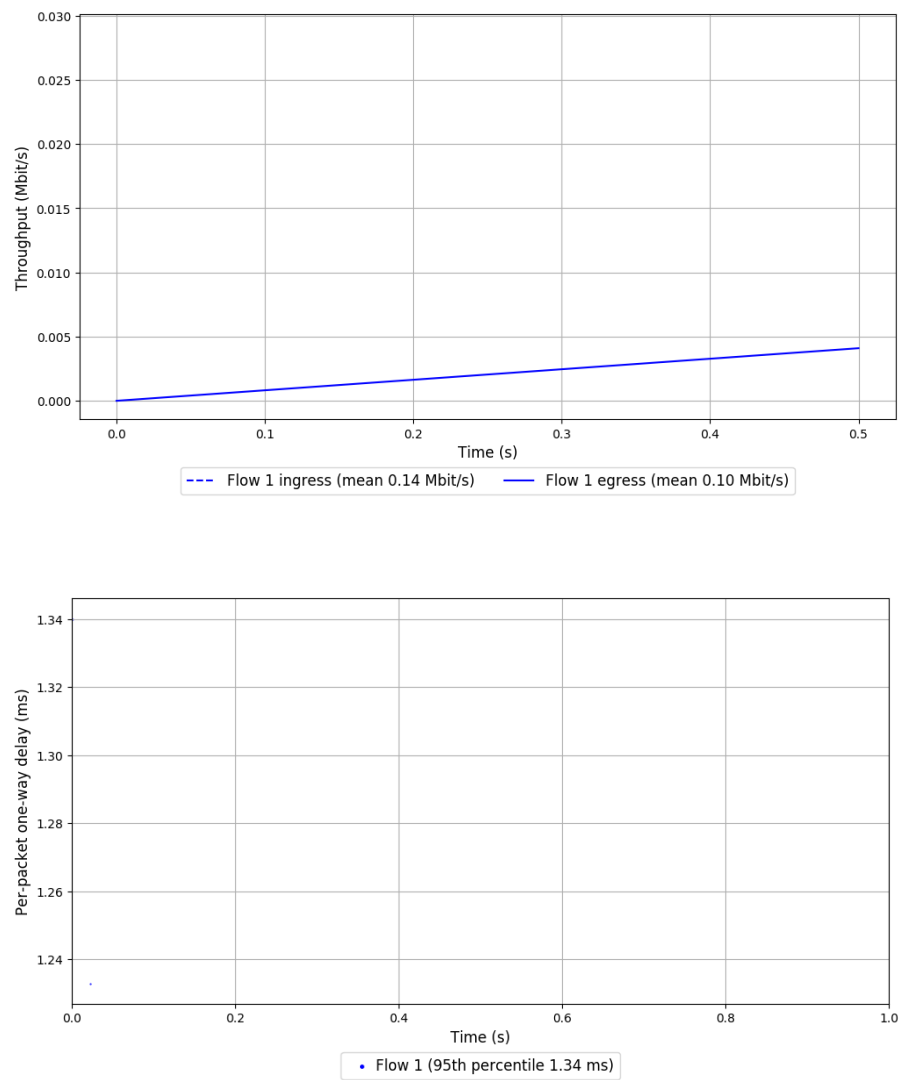
Start at: 2020-02-17 22:22:28

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

Local clock offset: 6.65 ms

Remote clock offset: 0.503 ms

Run 2: Report of PCC-Expr — Data Link



Run 3: Statistics of PCC-Expr

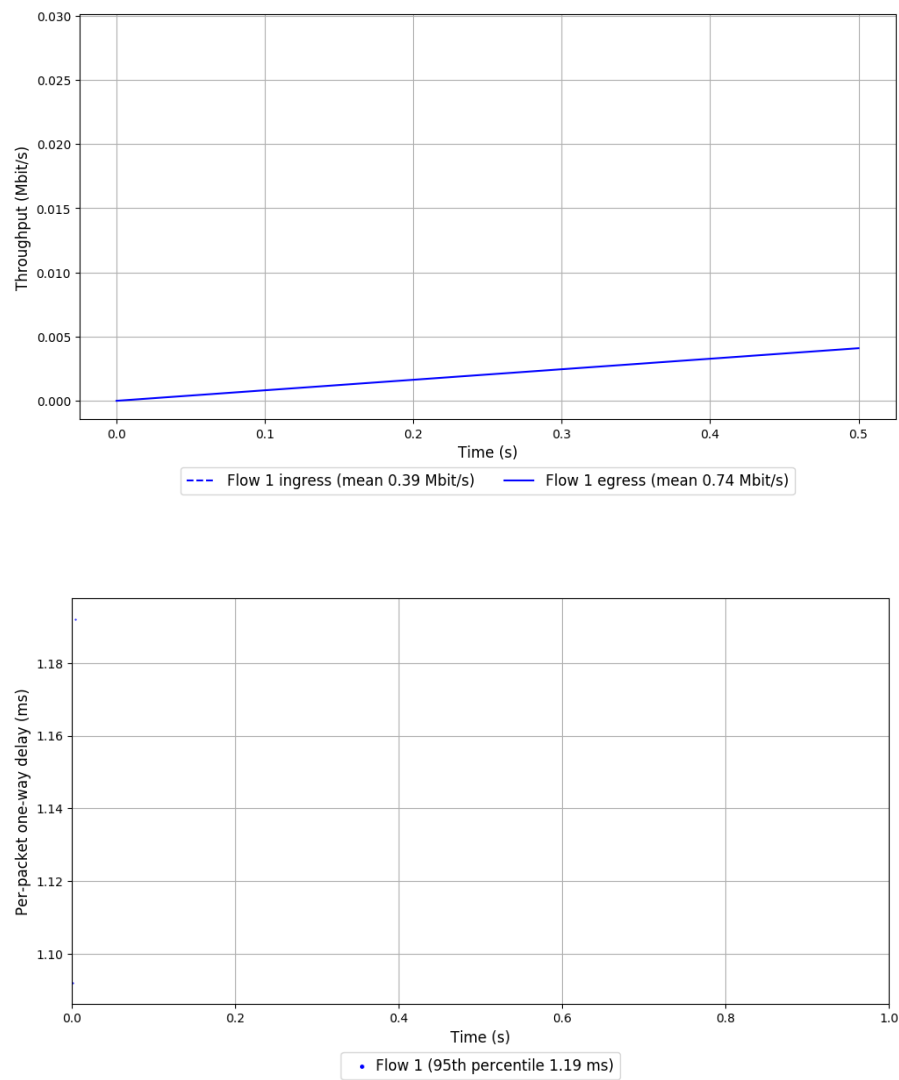
Start at: 2020-02-17 22:55:57

End at: 2020-02-17 22:56:27

Local clock offset: 4.663 ms

Remote clock offset: -0.044 ms

Run 3: Report of PCC-Expr — Data Link



Run 4: Statistics of PCC-Expr

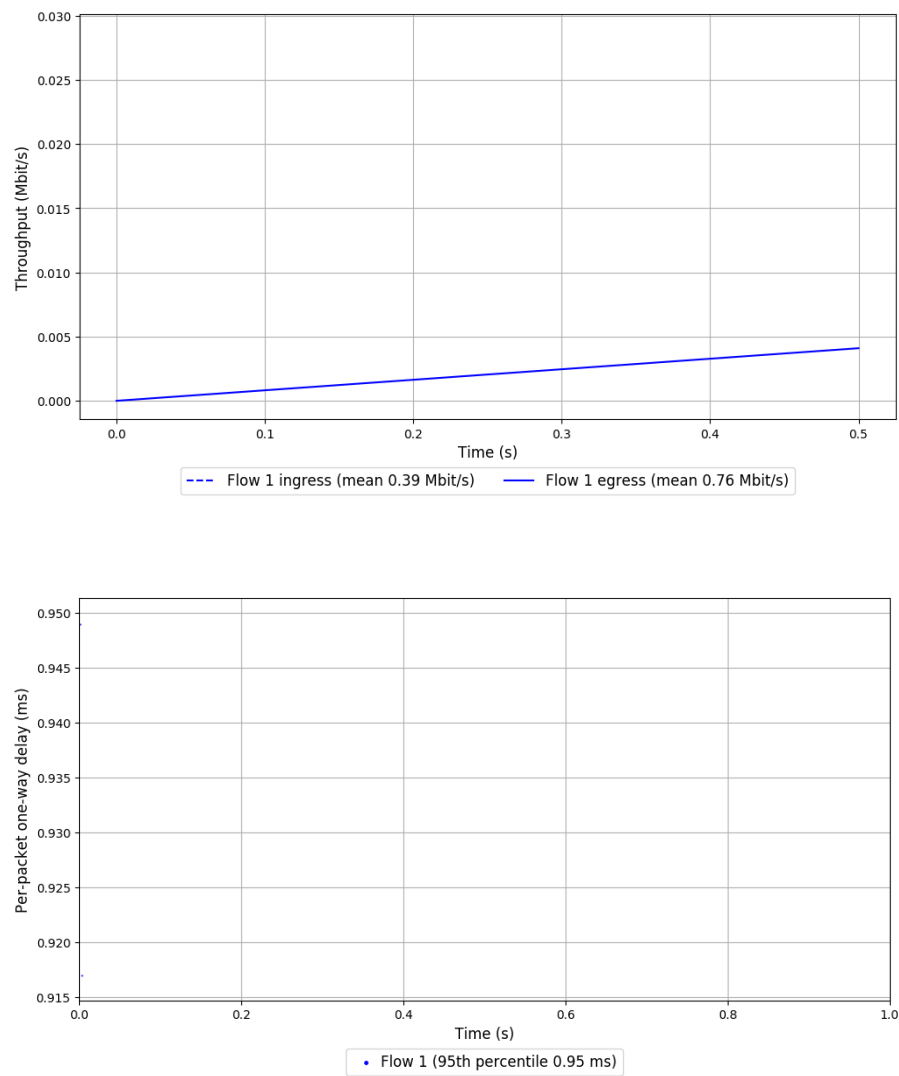
Start at: 2020-02-17 23:28:44

End at: 2020-02-17 23:29:14

Local clock offset: 2.738 ms

Remote clock offset: 0.146 ms

Run 4: Report of PCC-Expr — Data Link



Run 5: Statistics of PCC-Expr

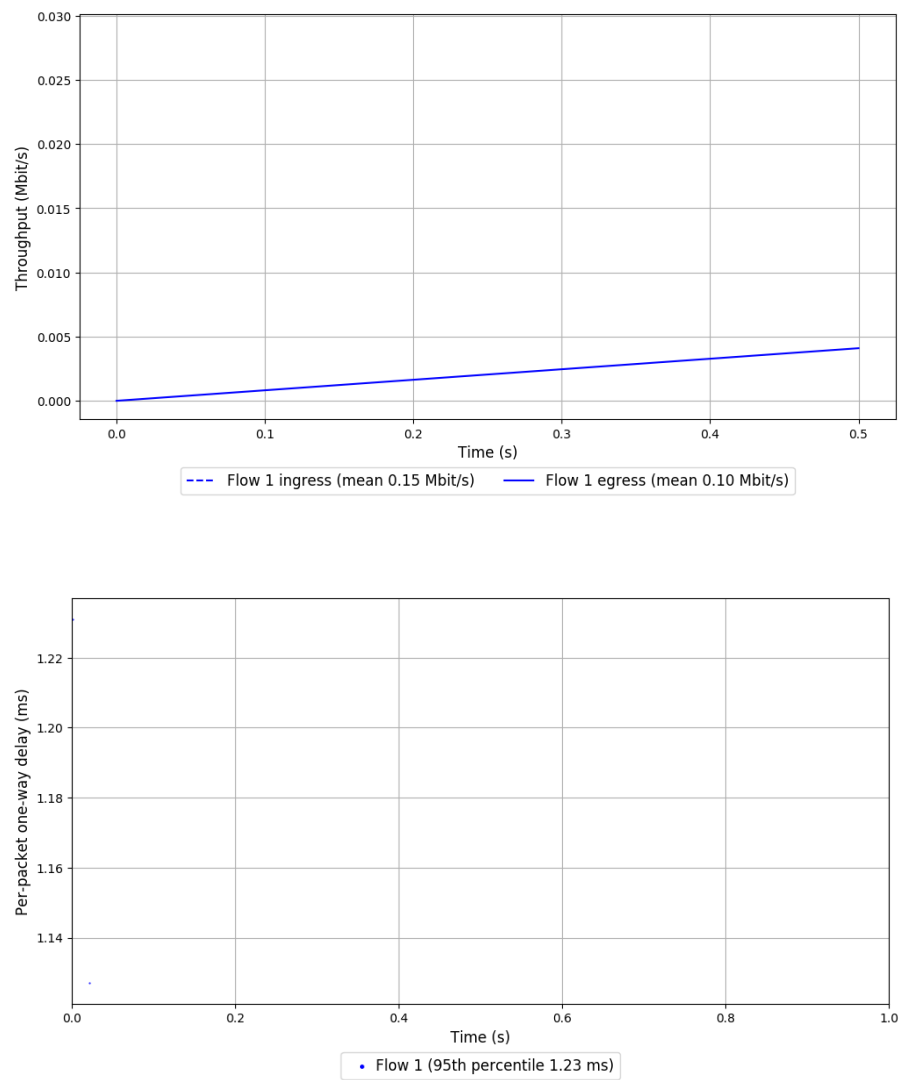
Start at: 2020-02-18 00:02:02

End at: 2020-02-18 00:02:32

Local clock offset: 1.197 ms

Remote clock offset: 0.203 ms

Run 5: Report of PCC-Expr — Data Link



Run 1: Statistics of QUIC Cubic

Start at: 2020-02-17 21:32:15

End at: 2020-02-17 21:32:45

Local clock offset: 1.967 ms

Remote clock offset: 0.057 ms

Below is generated by plot.py at 2020-02-18 01:15:09

Datalink statistics

-- Total of 1 flow:

Average throughput: 81.46 Mbit/s

95th percentile per-packet one-way delay: 0.615 ms

Loss rate: 0.00%

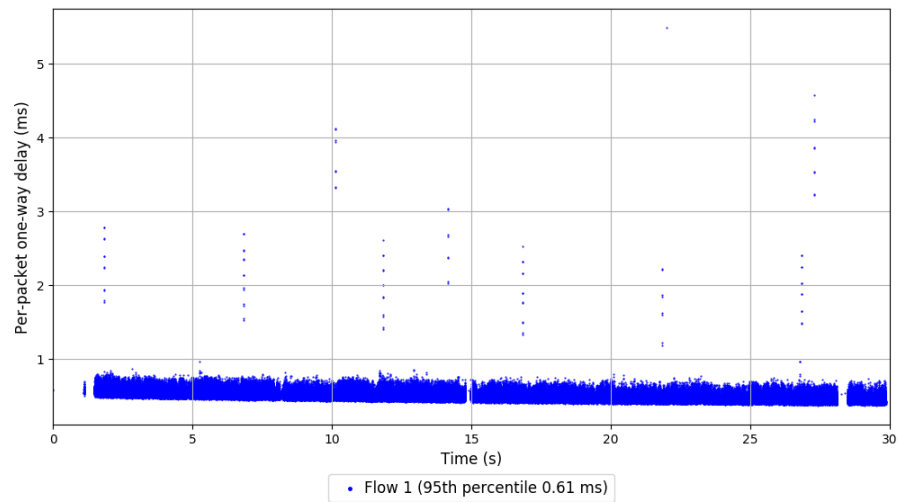
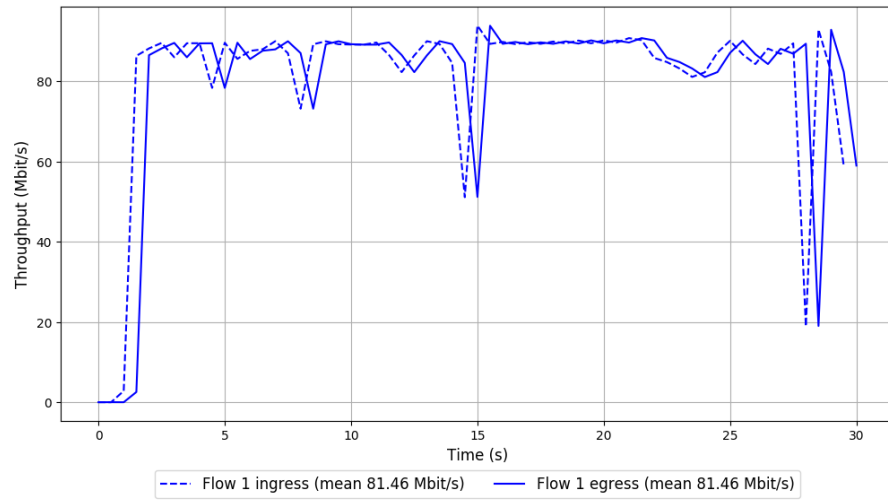
-- Flow 1:

Average throughput: 81.46 Mbit/s

95th percentile per-packet one-way delay: 0.615 ms

Loss rate: 0.00%

Run 1: Report of QUIC Cubic — Data Link



Run 2: Statistics of QUIC Cubic

Start at: 2020-02-17 22:05:29

End at: 2020-02-17 22:05:59

Local clock offset: 3.948 ms

Remote clock offset: 0.4 ms

Below is generated by plot.py at 2020-02-18 01:15:09

Datalink statistics

-- Total of 1 flow:

Average throughput: 76.07 Mbit/s

95th percentile per-packet one-way delay: 0.980 ms

Loss rate: 0.00%

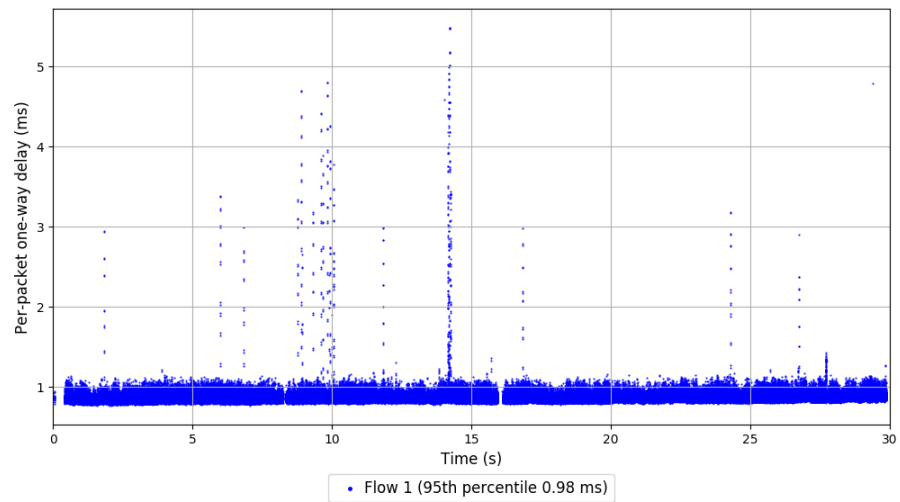
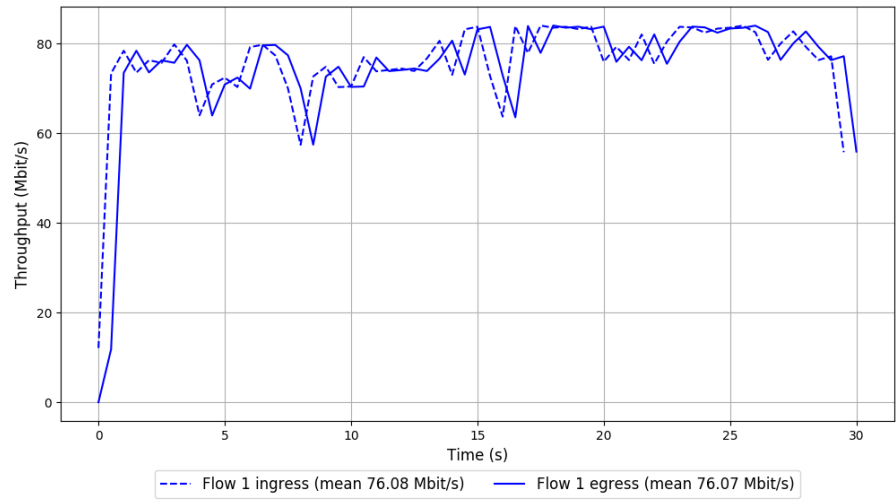
-- Flow 1:

Average throughput: 76.07 Mbit/s

95th percentile per-packet one-way delay: 0.980 ms

Loss rate: 0.00%

Run 2: Report of QUIC Cubic — Data Link



Run 3: Statistics of QUIC Cubic

Start at: 2020-02-17 22:39:08

End at: 2020-02-17 22:39:38

Local clock offset: 4.097 ms

Remote clock offset: 0.461 ms

Below is generated by plot.py at 2020-02-18 01:15:09

Datalink statistics

-- Total of 1 flow:

Average throughput: 78.43 Mbit/s

95th percentile per-packet one-way delay: 0.918 ms

Loss rate: 0.01%

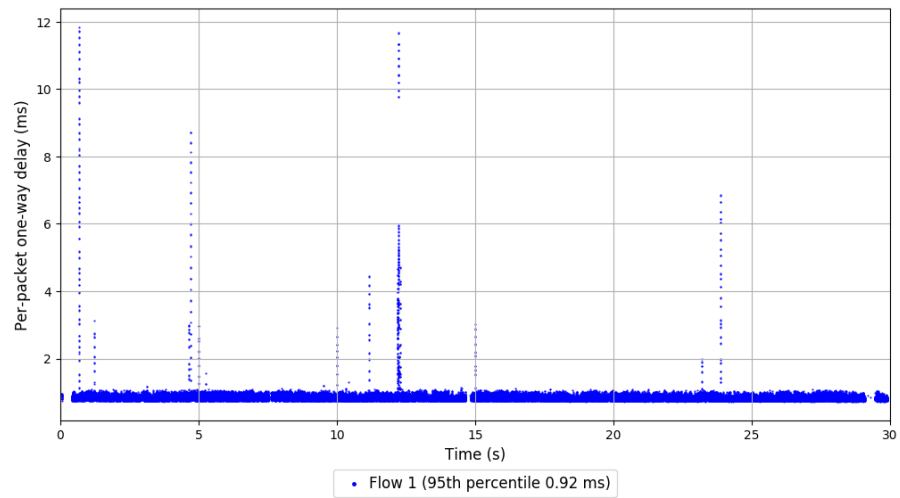
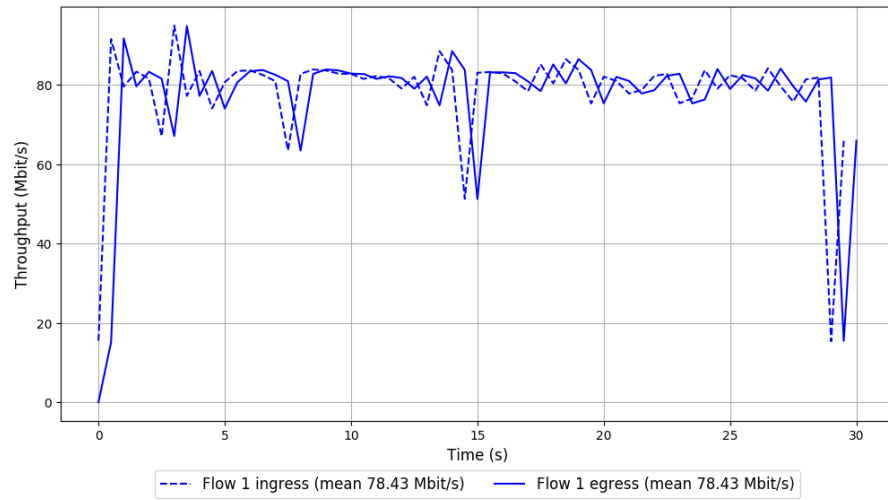
-- Flow 1:

Average throughput: 78.43 Mbit/s

95th percentile per-packet one-way delay: 0.918 ms

Loss rate: 0.01%

Run 3: Report of QUIC Cubic — Data Link



Run 4: Statistics of QUIC Cubic

Start at: 2020-02-17 23:12:22

End at: 2020-02-17 23:12:52

Local clock offset: 2.36 ms

Remote clock offset: -0.029 ms

Below is generated by plot.py at 2020-02-18 01:15:09

Datalink statistics

-- Total of 1 flow:

Average throughput: 79.47 Mbit/s

95th percentile per-packet one-way delay: 0.893 ms

Loss rate: 0.00%

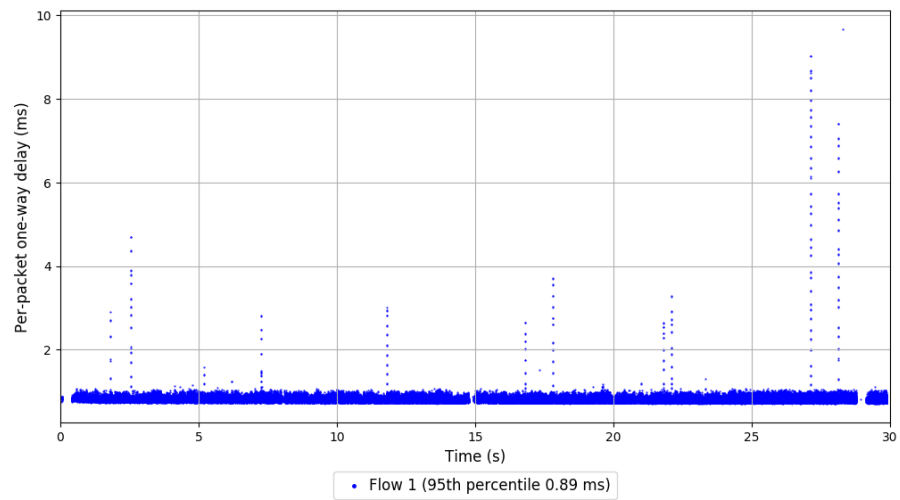
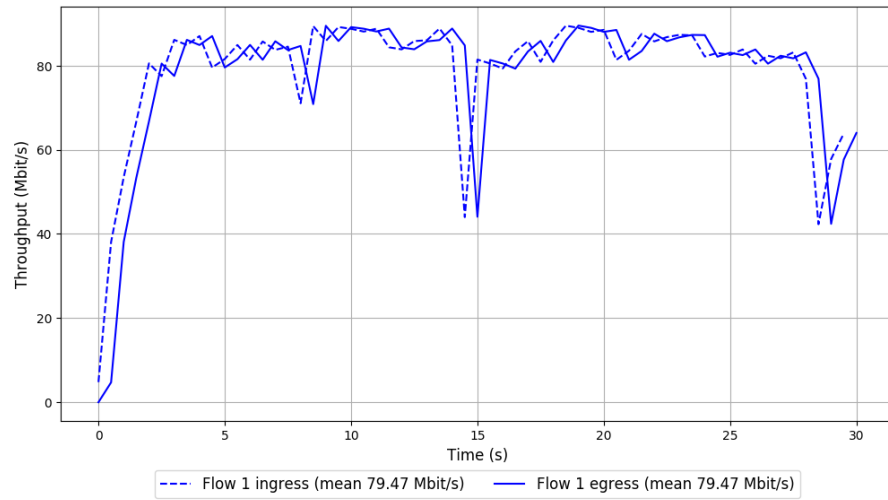
-- Flow 1:

Average throughput: 79.47 Mbit/s

95th percentile per-packet one-way delay: 0.893 ms

Loss rate: 0.00%

Run 4: Report of QUIC Cubic — Data Link



Run 5: Statistics of QUIC Cubic

Start at: 2020-02-17 23:45:33

End at: 2020-02-17 23:46:03

Local clock offset: 1.444 ms

Remote clock offset: 0.286 ms

Below is generated by plot.py at 2020-02-18 01:15:09

Datalink statistics

-- Total of 1 flow:

Average throughput: 82.79 Mbit/s

95th percentile per-packet one-way delay: 0.936 ms

Loss rate: 0.00%

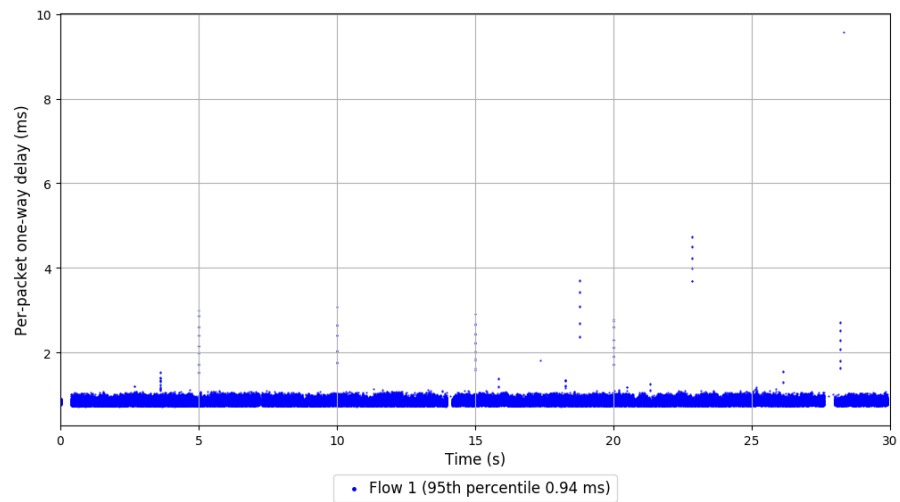
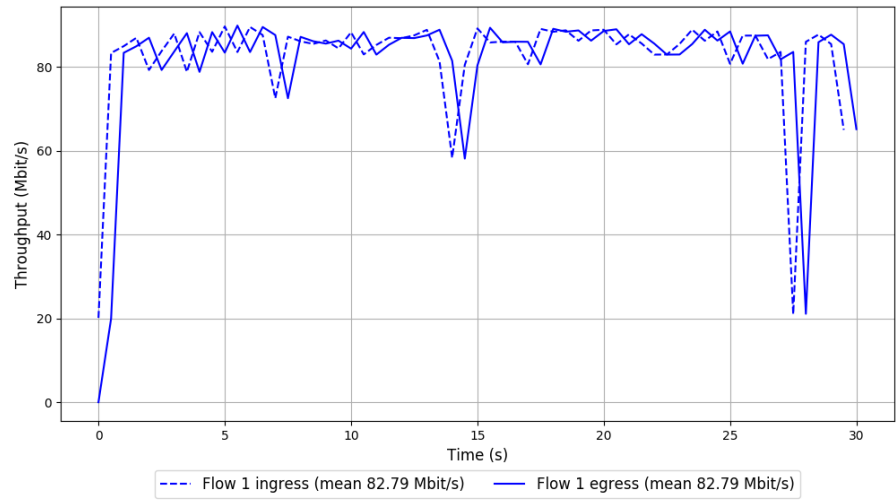
-- Flow 1:

Average throughput: 82.79 Mbit/s

95th percentile per-packet one-way delay: 0.936 ms

Loss rate: 0.00%

Run 5: Report of QUIC Cubic — Data Link



Run 1: Statistics of SCReAM

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

End at: 2020-02-17 21:36:47

Local clock offset: 2.578 ms

Remote clock offset: 0.135 ms

Below is generated by plot.py at 2020-02-18 01:15:09

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 1.304 ms

Loss rate: 0.00%

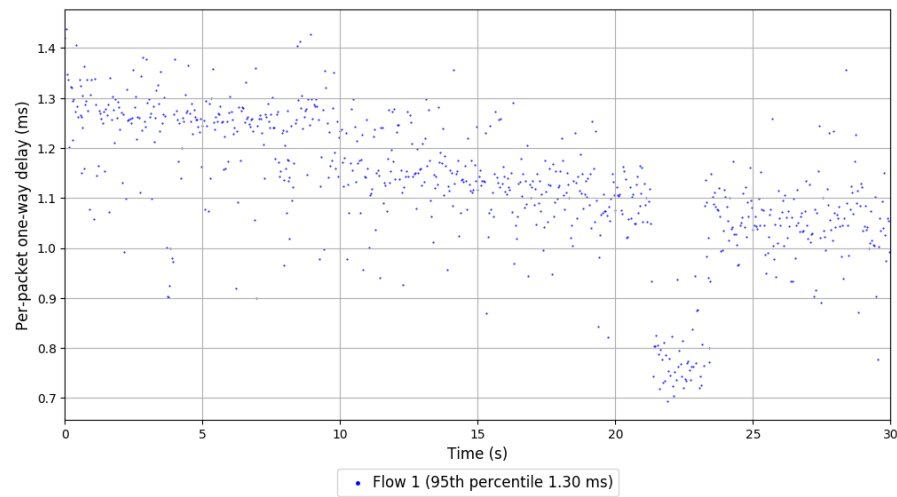
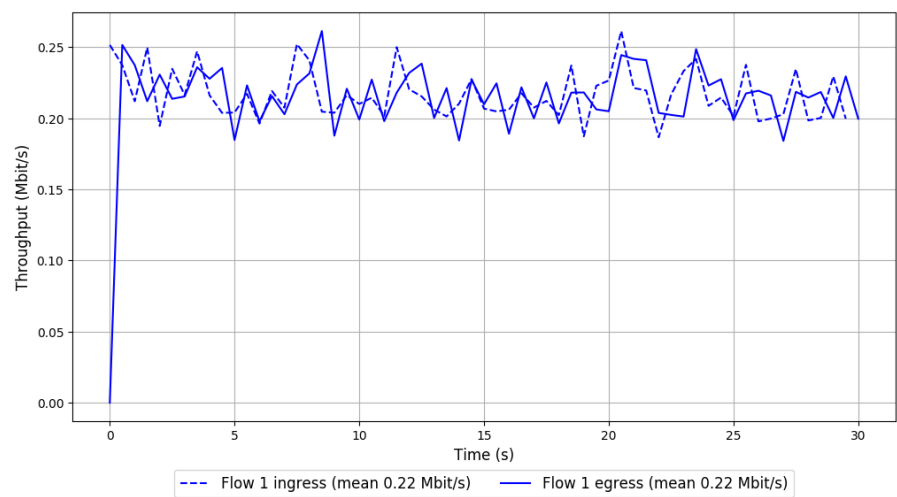
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 1.304 ms

Loss rate: 0.00%

Run 1: Report of SReAM — Data Link



Run 2: Statistics of SCReAM

Start at: 2020-02-17 22:09:30

End at: 2020-02-17 22:10:00

Local clock offset: 4.277 ms

Remote clock offset: 0.279 ms

Below is generated by plot.py at 2020-02-18 01:15:09

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 1.239 ms

Loss rate: 0.00%

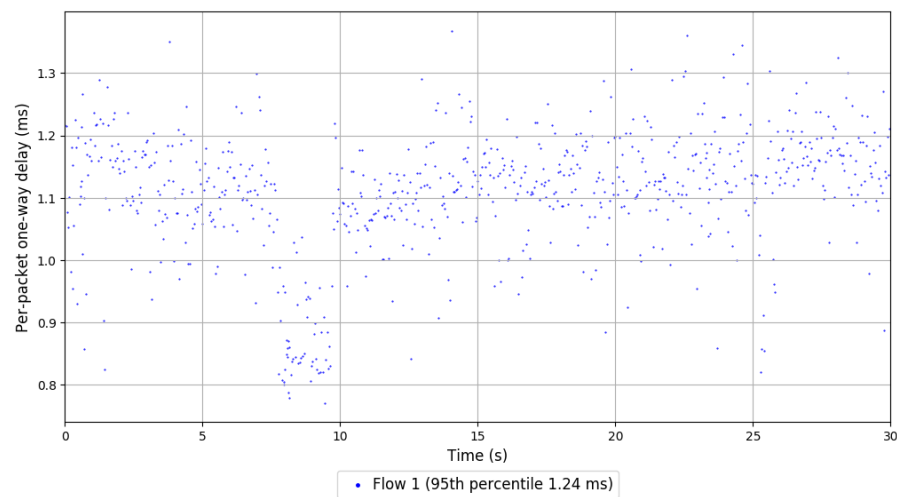
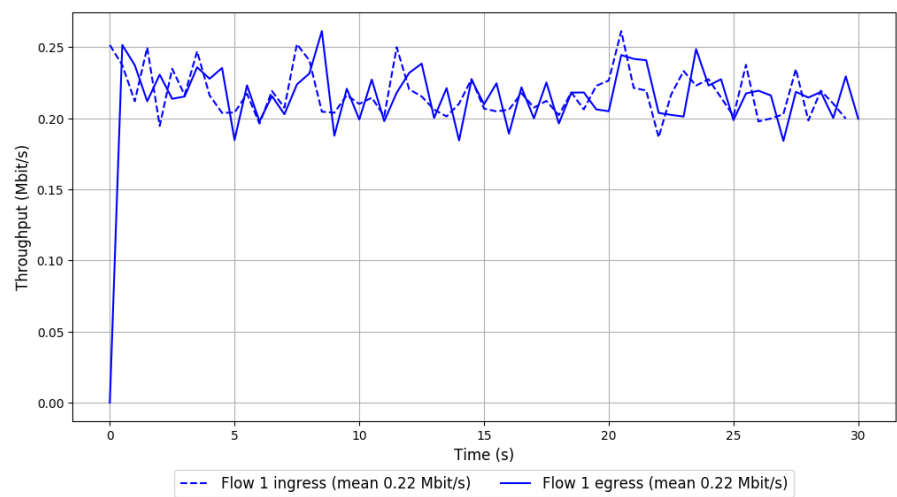
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 1.239 ms

Loss rate: 0.00%

Run 2: Report of SReAM — Data Link



Run 3: Statistics of SCReAM

Start at: 2020-02-17 22:43:07

End at: 2020-02-17 22:43:37

Local clock offset: 3.886 ms

Remote clock offset: 0.253 ms

Below is generated by plot.py at 2020-02-18 01:15:09

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 1.305 ms

Loss rate: 0.00%

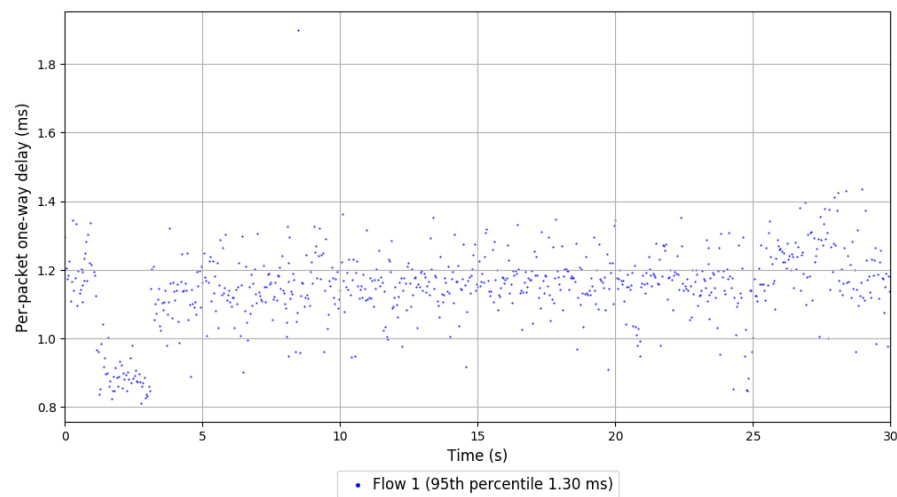
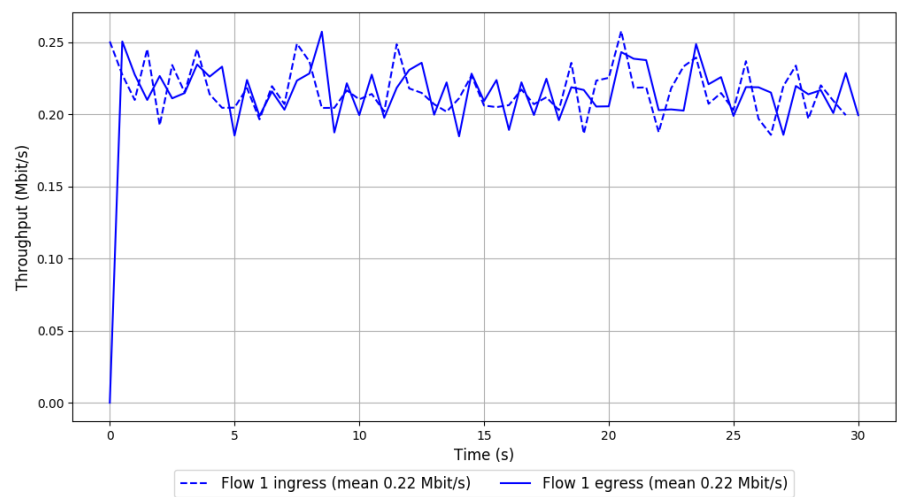
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 1.305 ms

Loss rate: 0.00%

Run 3: Report of SReAM — Data Link



Run 4: Statistics of SReAM

Start at: 2020-02-17 23:16:22

End at: 2020-02-17 23:16:52

Local clock offset: 2.367 ms

Remote clock offset: 0.098 ms

Below is generated by plot.py at 2020-02-18 01:15:09

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 1.272 ms

Loss rate: 0.00%

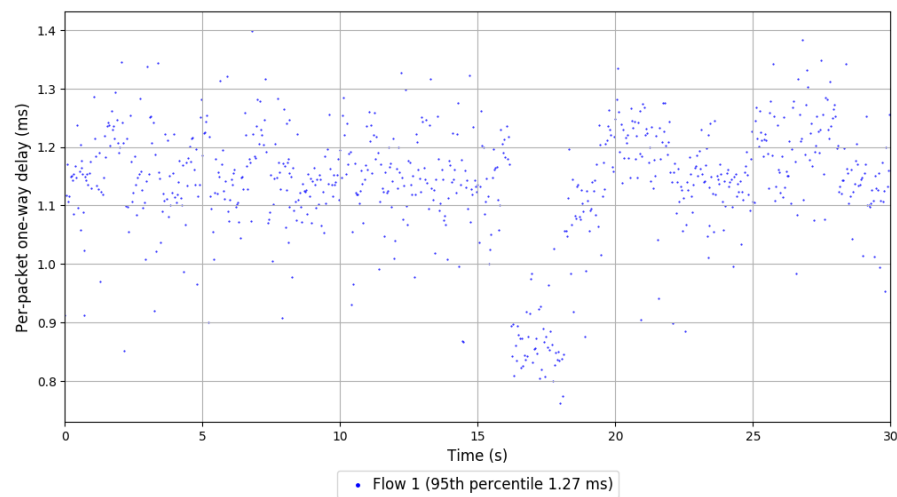
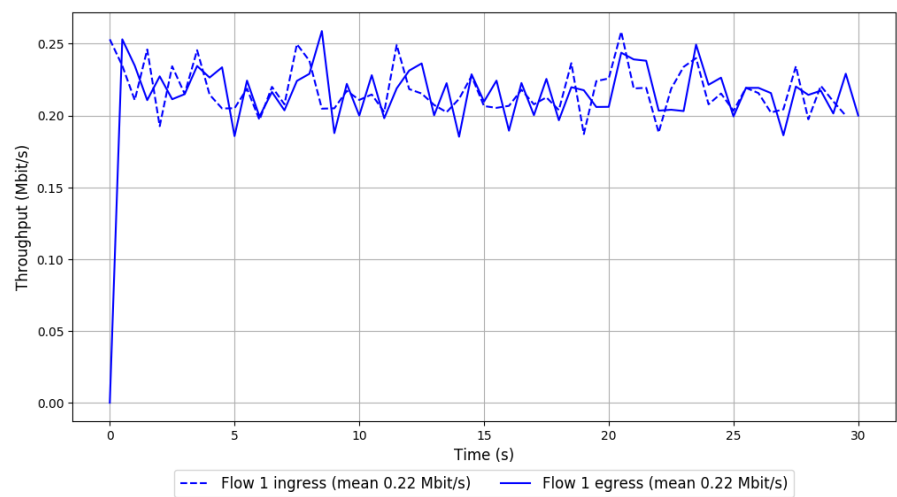
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 1.272 ms

Loss rate: 0.00%

Run 4: Report of SReAM — Data Link



Run 5: Statistics of SCReAM

Start at: 2020-02-17 23:49:30

End at: 2020-02-17 23:50:00

Local clock offset: 1.48 ms

Remote clock offset: 0.203 ms

Below is generated by plot.py at 2020-02-18 01:15:09

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 1.197 ms

Loss rate: 0.00%

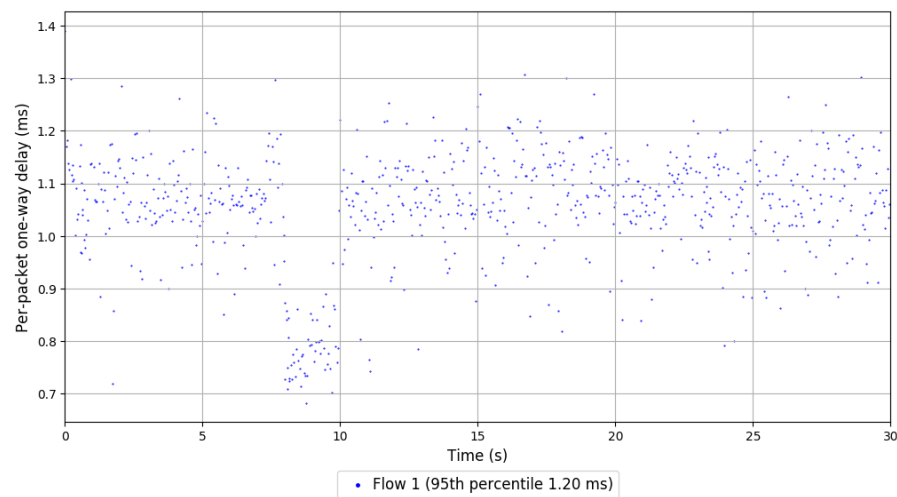
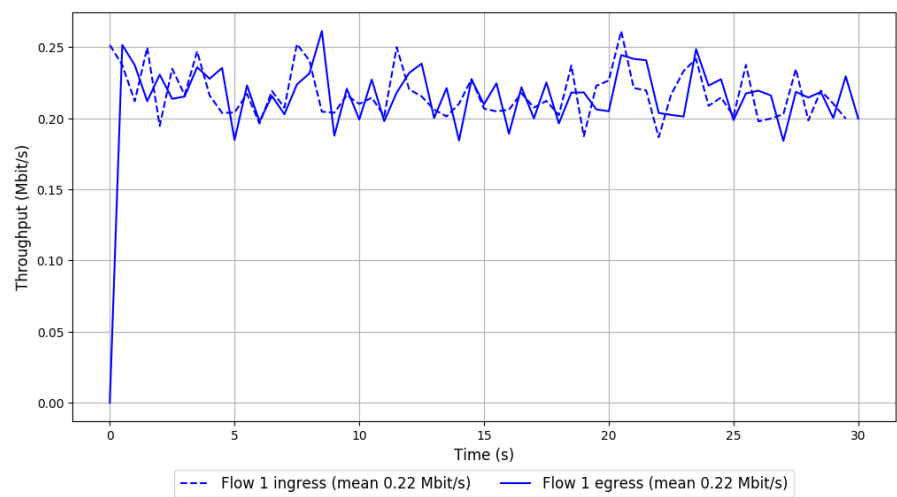
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 1.197 ms

Loss rate: 0.00%

Run 5: Report of SReAM — Data Link

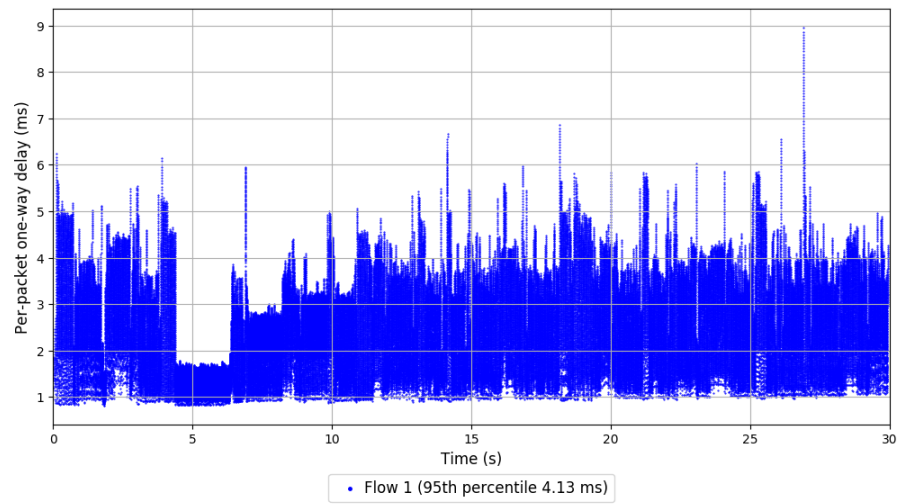
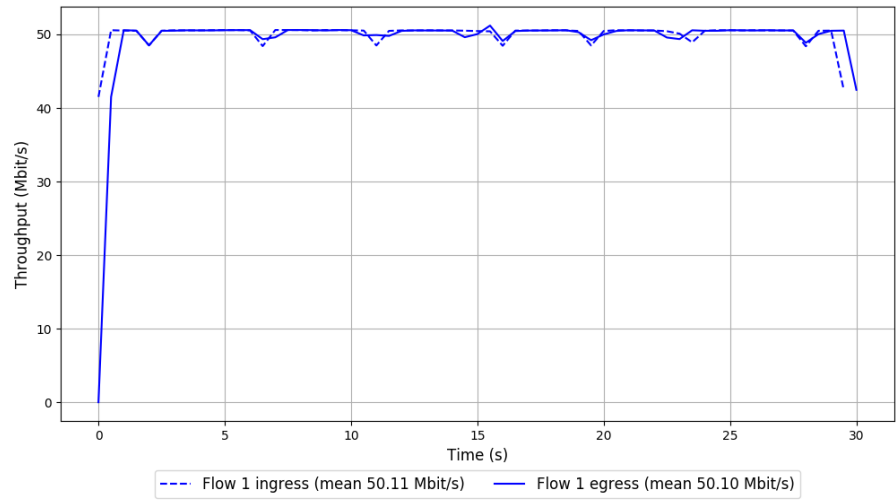


Run 1: Statistics of Sprout

Start at: 2020-02-17 21:41:34
End at: 2020-02-17 21:42:04
Local clock offset: 2.692 ms
Remote clock offset: -0.009 ms

Below is generated by plot.py at 2020-02-18 01:15:09
Datalink statistics
-- Total of 1 flow:
Average throughput: 50.10 Mbit/s
95th percentile per-packet one-way delay: 4.129 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 50.10 Mbit/s
95th percentile per-packet one-way delay: 4.129 ms
Loss rate: 0.00%

Run 1: Report of Sprout — Data Link



Run 2: Statistics of Sprout

Start at: 2020-02-17 22:15:16

End at: 2020-02-17 22:15:46

Local clock offset: 5.172 ms

Remote clock offset: 0.375 ms

Below is generated by plot.py at 2020-02-18 01:15:09

Datalink statistics

-- Total of 1 flow:

Average throughput: 24.64 Mbit/s

95th percentile per-packet one-way delay: 4.630 ms

Loss rate: 0.03%

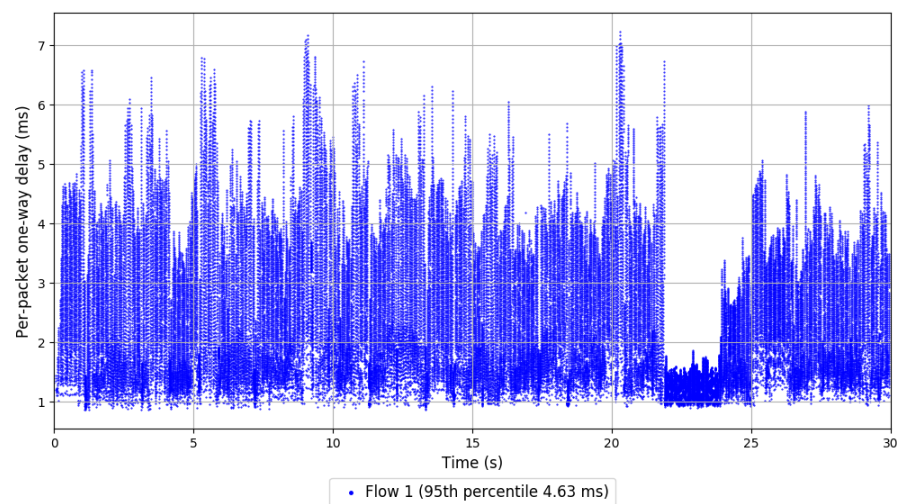
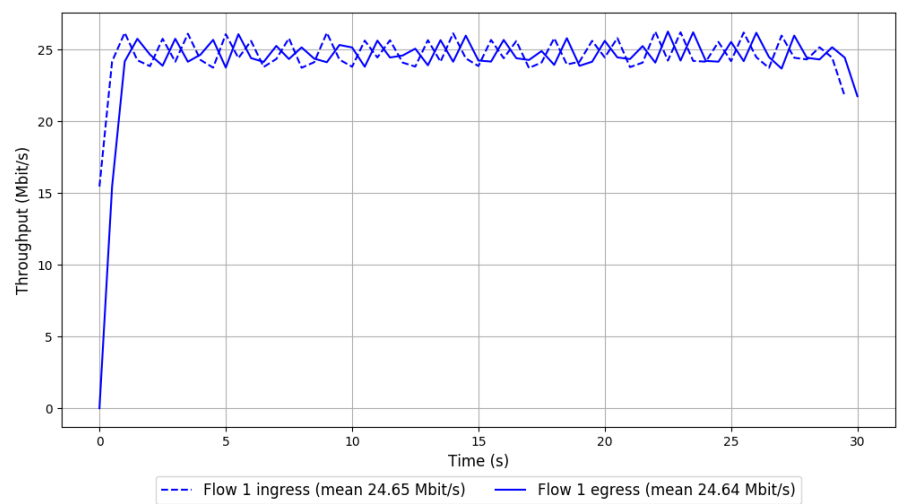
-- Flow 1:

Average throughput: 24.64 Mbit/s

95th percentile per-packet one-way delay: 4.630 ms

Loss rate: 0.03%

Run 2: Report of Sprout — Data Link



Run 3: Statistics of Sprout

Start at: 2020-02-17 22:48:46

End at: 2020-02-17 22:49:16

Local clock offset: 4.009 ms

Remote clock offset: 0.036 ms

Below is generated by plot.py at 2020-02-18 01:15:09

Datalink statistics

-- Total of 1 flow:

Average throughput: 50.05 Mbit/s

95th percentile per-packet one-way delay: 4.219 ms

Loss rate: 0.04%

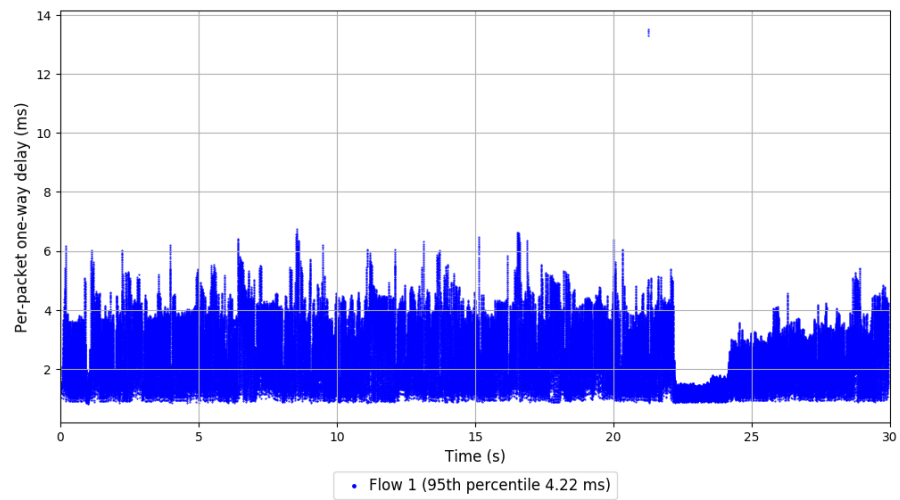
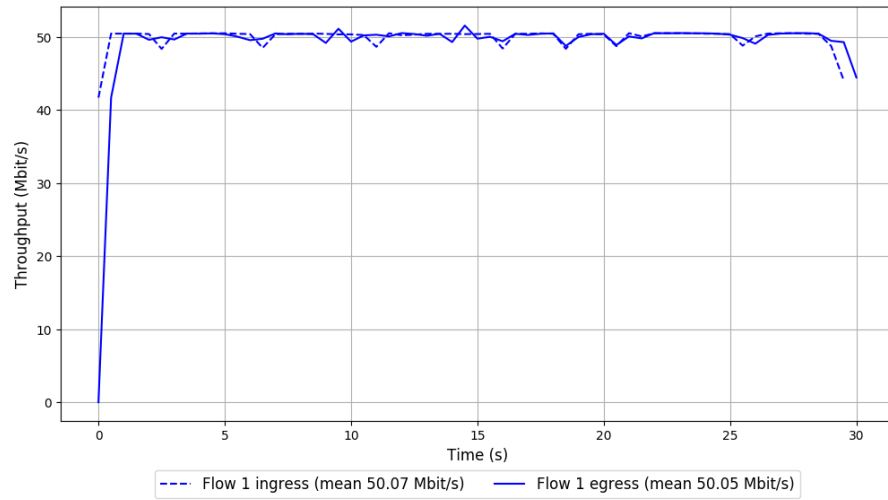
-- Flow 1:

Average throughput: 50.05 Mbit/s

95th percentile per-packet one-way delay: 4.219 ms

Loss rate: 0.04%

Run 3: Report of Sprout — Data Link



Run 4: Statistics of Sprout

Start at: 2020-02-17 23:21:35

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

Local clock offset: 2.502 ms

Remote clock offset: 0.134 ms

Below is generated by plot.py at 2020-02-18 01:15:09

Datalink statistics

-- Total of 1 flow:

Average throughput: 24.62 Mbit/s

95th percentile per-packet one-way delay: 4.473 ms

Loss rate: 0.00%

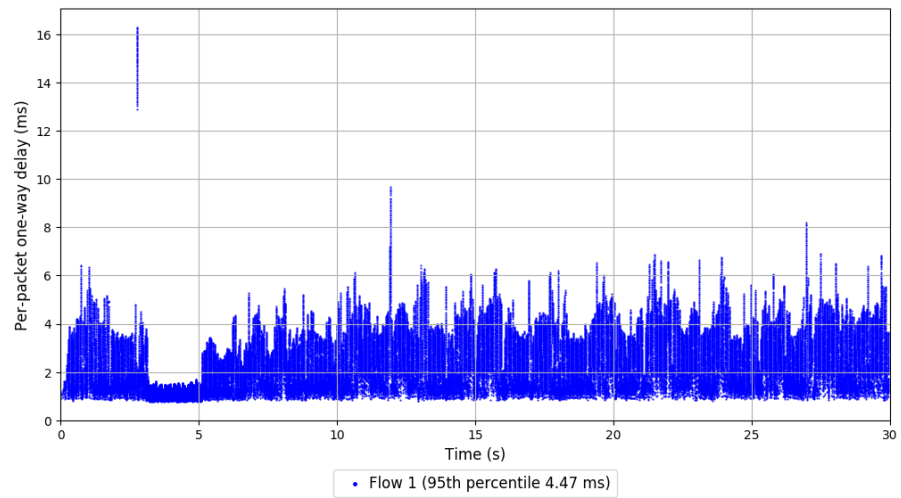
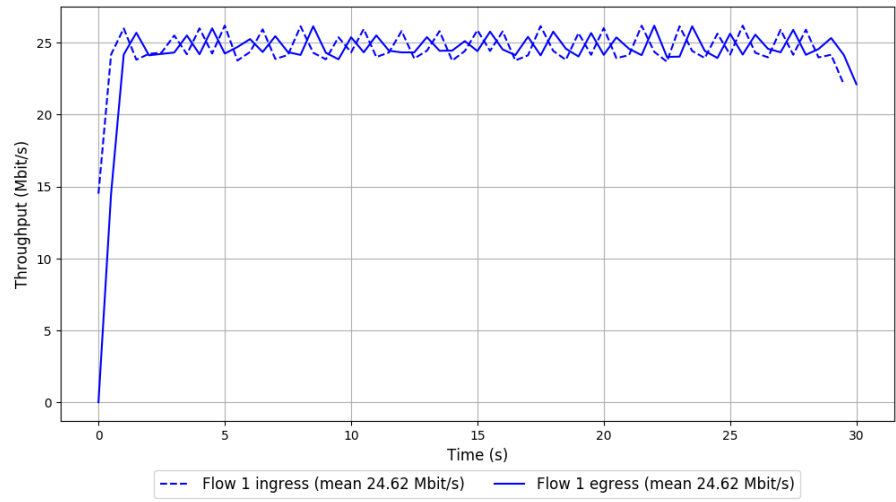
-- Flow 1:

Average throughput: 24.62 Mbit/s

95th percentile per-packet one-way delay: 4.473 ms

Loss rate: 0.00%

Run 4: Report of Sprout — Data Link



Run 5: Statistics of Sprout

Start at: 2020-02-17 23:54:52

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

Local clock offset: 1.604 ms

Remote clock offset: 0.265 ms

Below is generated by plot.py at 2020-02-18 01:15:09

Datalink statistics

-- Total of 1 flow:

Average throughput: 24.65 Mbit/s

95th percentile per-packet one-way delay: 4.380 ms

Loss rate: 0.00%

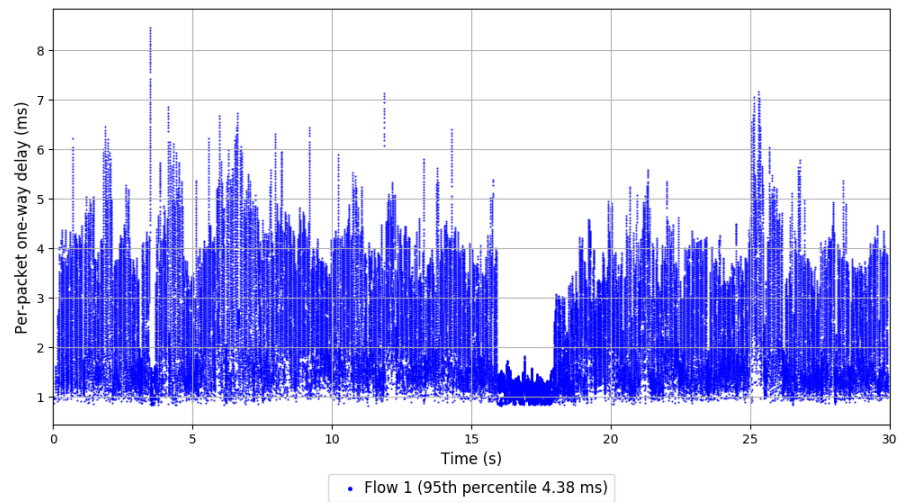
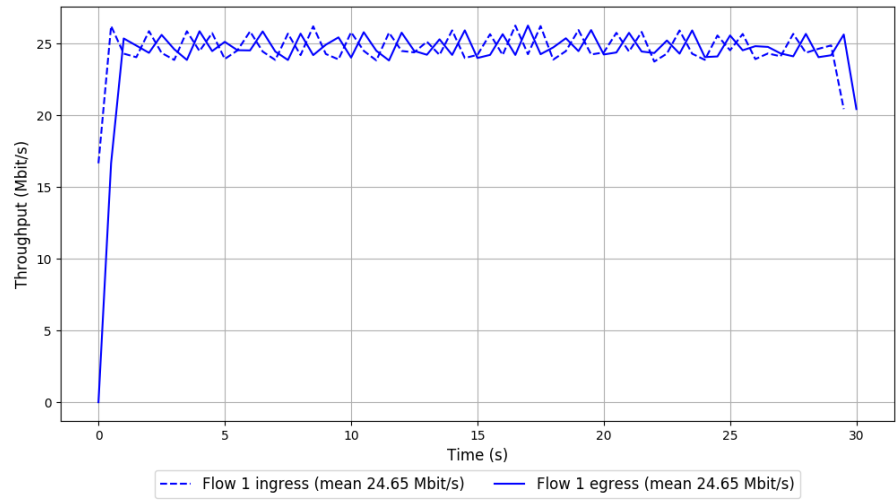
-- Flow 1:

Average throughput: 24.65 Mbit/s

95th percentile per-packet one-way delay: 4.380 ms

Loss rate: 0.00%

Run 5: Report of Sprout — Data Link



Run 1: Statistics of TaoVA-100x

Start at: 2020-02-17 21:51:39

End at: 2020-02-17 21:52:10

Local clock offset: 3.21 ms

Remote clock offset: 0.12 ms

Below is generated by plot.py at 2020-02-18 01:15:09

Datalink statistics

-- Total of 1 flow:

Average throughput: 6.95 Mbit/s

95th percentile per-packet one-way delay: 1.226 ms

Loss rate: 75.44%

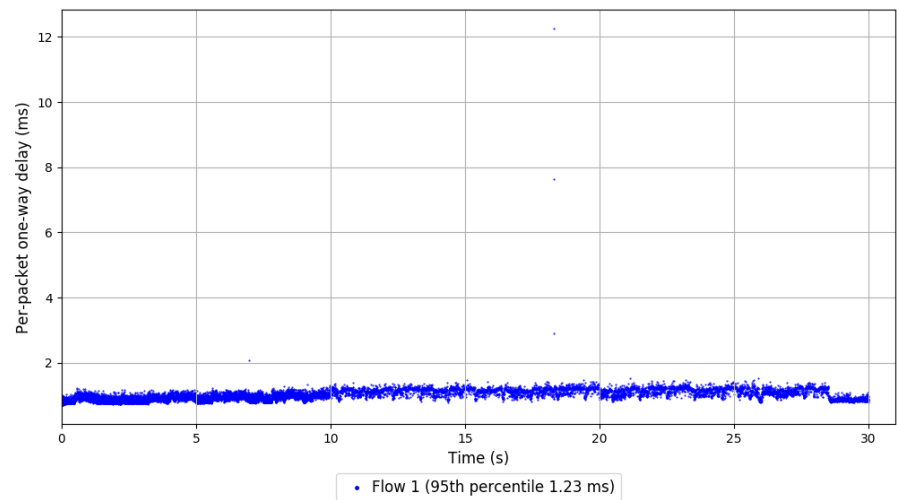
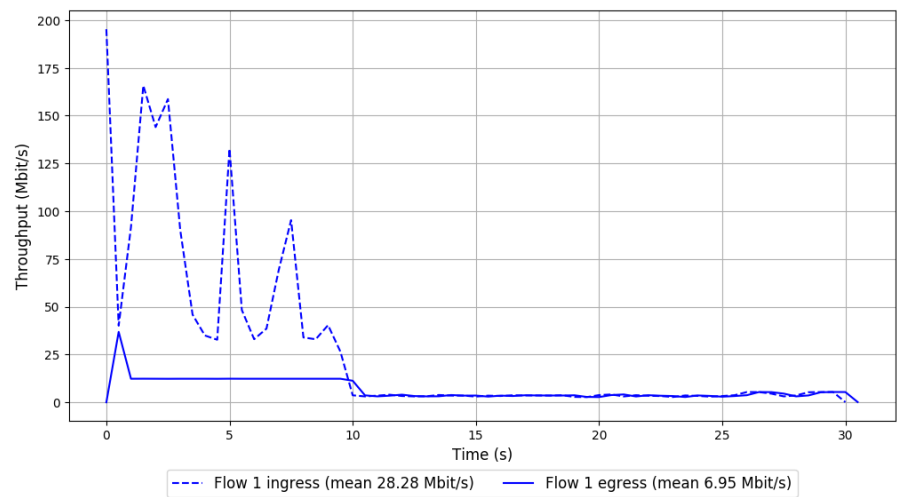
-- Flow 1:

Average throughput: 6.95 Mbit/s

95th percentile per-packet one-way delay: 1.226 ms

Loss rate: 75.44%

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



Run 2: Statistics of TaoVA-100x

Start at: 2020-02-17 22:24:58

End at: 2020-02-17 22:25:28

Local clock offset: 7.166 ms

Remote clock offset: 0.533 ms

Below is generated by plot.py at 2020-02-18 01:15:09

Datalink statistics

-- Total of 1 flow:

Average throughput: 6.86 Mbit/s

95th percentile per-packet one-way delay: 1.440 ms

Loss rate: 0.01%

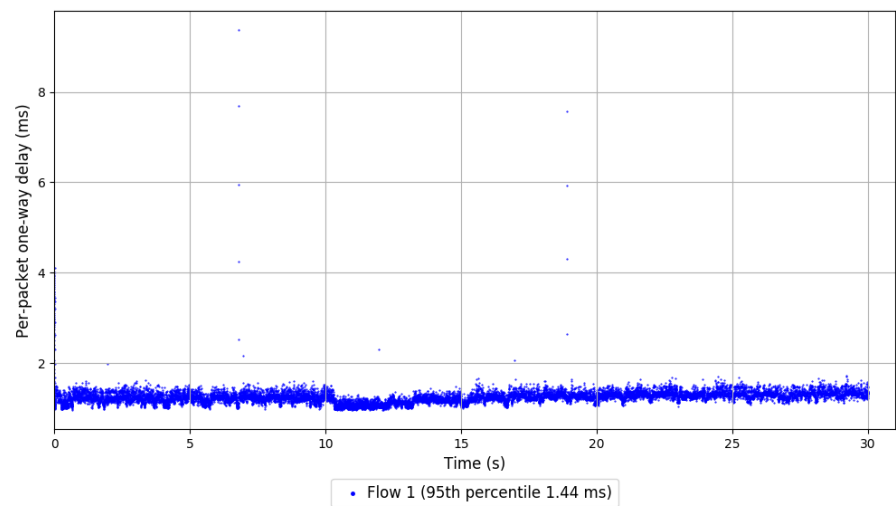
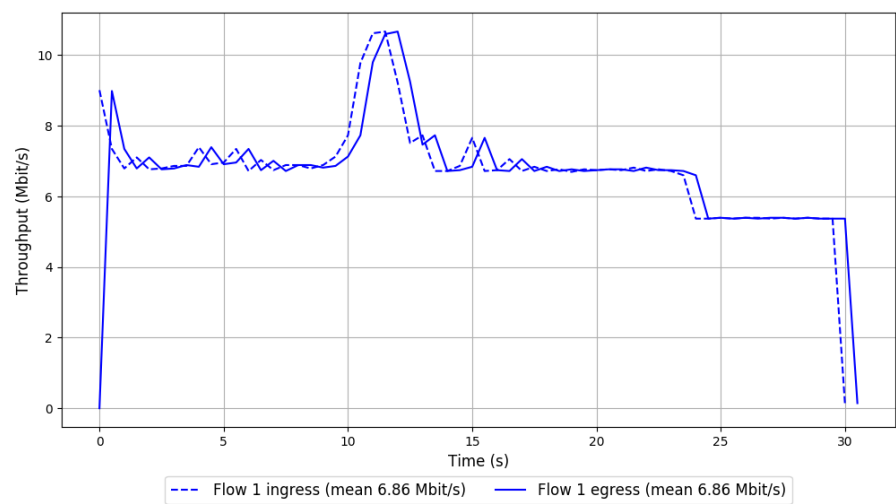
-- Flow 1:

Average throughput: 6.86 Mbit/s

95th percentile per-packet one-way delay: 1.440 ms

Loss rate: 0.01%

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



Run 3: Statistics of TaoVA-100x

Start at: 2020-02-17 22:58:28

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

Local clock offset: 4.762 ms

Remote clock offset: -0.11 ms

Below is generated by plot.py at 2020-02-18 01:15:09

Datalink statistics

-- Total of 1 flow:

Average throughput: 10.39 Mbit/s

95th percentile per-packet one-way delay: 0.803 ms

Loss rate: 67.24%

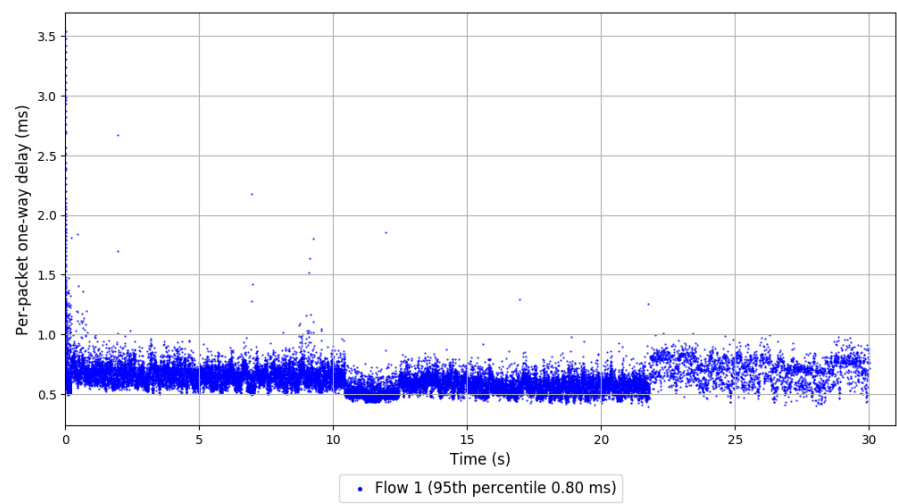
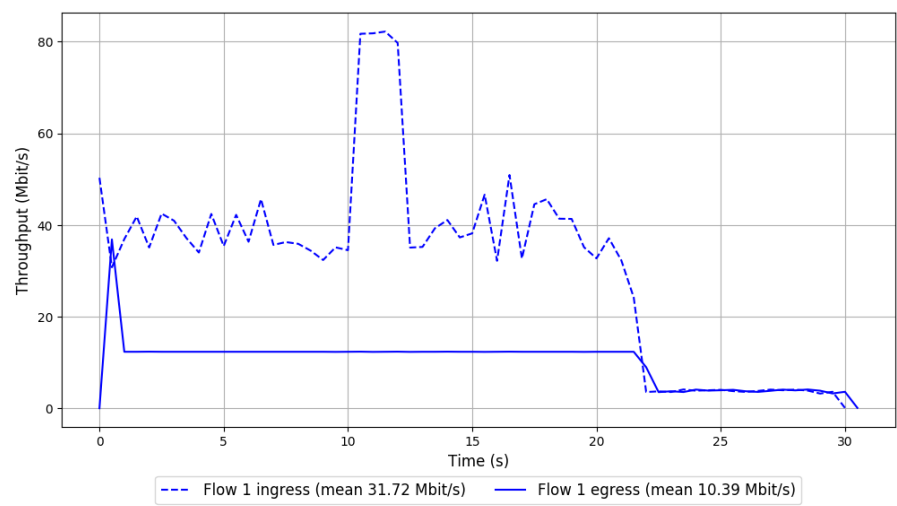
-- Flow 1:

Average throughput: 10.39 Mbit/s

95th percentile per-packet one-way delay: 0.803 ms

Loss rate: 67.24%

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



Run 4: Statistics of TaoVA-100x

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

End at: 2020-02-17 23:32:01

Local clock offset: 2.234 ms

Remote clock offset: 0.132 ms

Below is generated by plot.py at 2020-02-18 01:15:09

Datalink statistics

-- Total of 1 flow:

Average throughput: 7.83 Mbit/s

95th percentile per-packet one-way delay: 1.005 ms

Loss rate: 73.20%

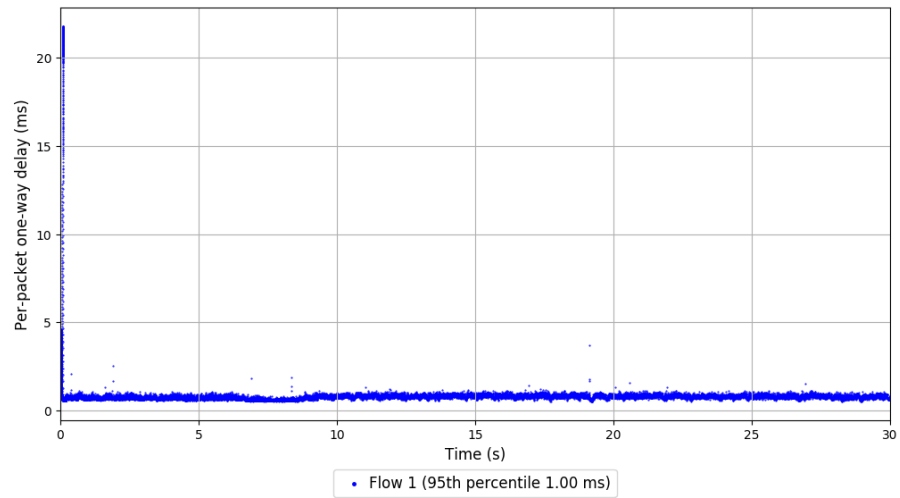
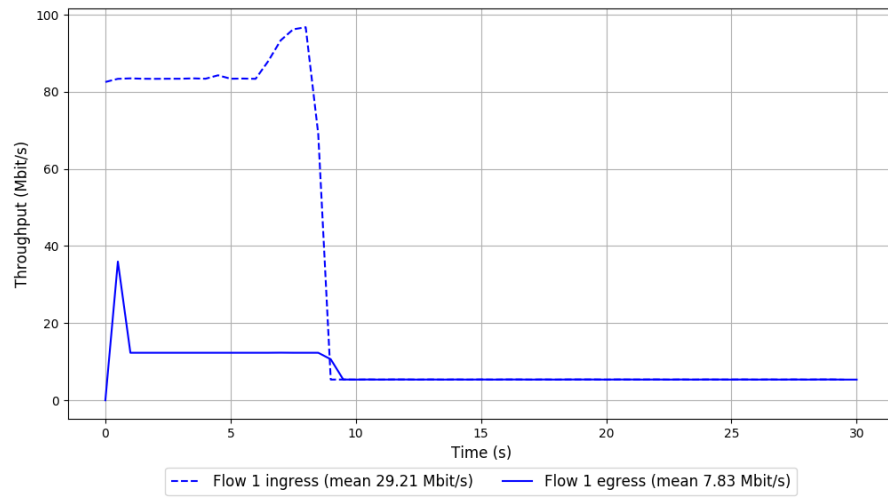
-- Flow 1:

Average throughput: 7.83 Mbit/s

95th percentile per-packet one-way delay: 1.005 ms

Loss rate: 73.20%

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



Run 5: Statistics of TaoVA-100x

Start at: 2020-02-18 00:04:48

End at: 2020-02-18 00:05:18

Local clock offset: 0.949 ms

Remote clock offset: 0.243 ms

Below is generated by plot.py at 2020-02-18 01:15:09

Datalink statistics

-- Total of 1 flow:

Average throughput: 6.79 Mbit/s

95th percentile per-packet one-way delay: 1.222 ms

Loss rate: 0.01%

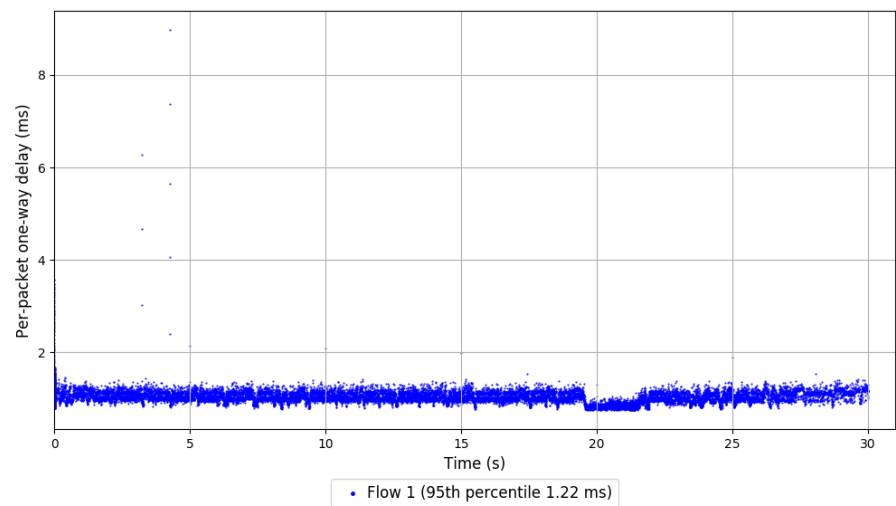
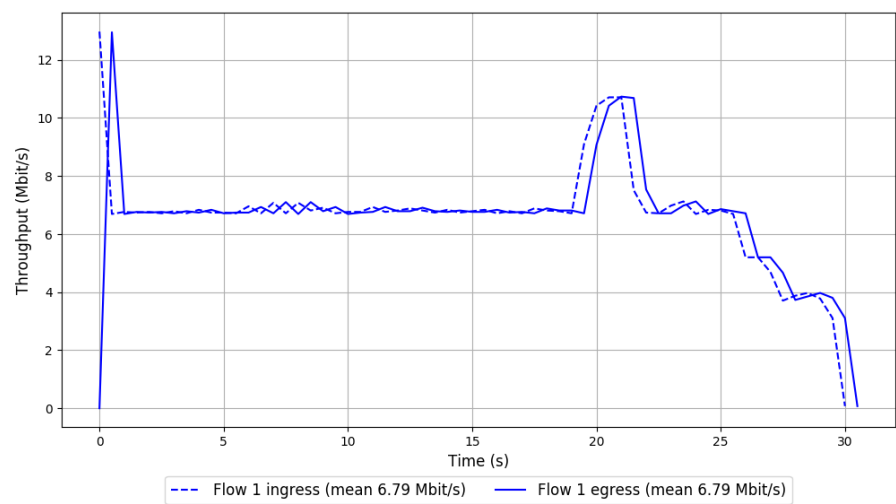
-- Flow 1:

Average throughput: 6.79 Mbit/s

95th percentile per-packet one-way delay: 1.222 ms

Loss rate: 0.01%

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



Run 1: Statistics of TCP Vegas

Start at: 2020-02-17 21:42:48

End at: 2020-02-17 21:43:18

Local clock offset: 2.987 ms

Remote clock offset: 0.095 ms

Below is generated by plot.py at 2020-02-18 01:15:09

Datalink statistics

-- Total of 1 flow:

Average throughput: 333.35 Mbit/s

95th percentile per-packet one-way delay: 2.658 ms

Loss rate: 0.00%

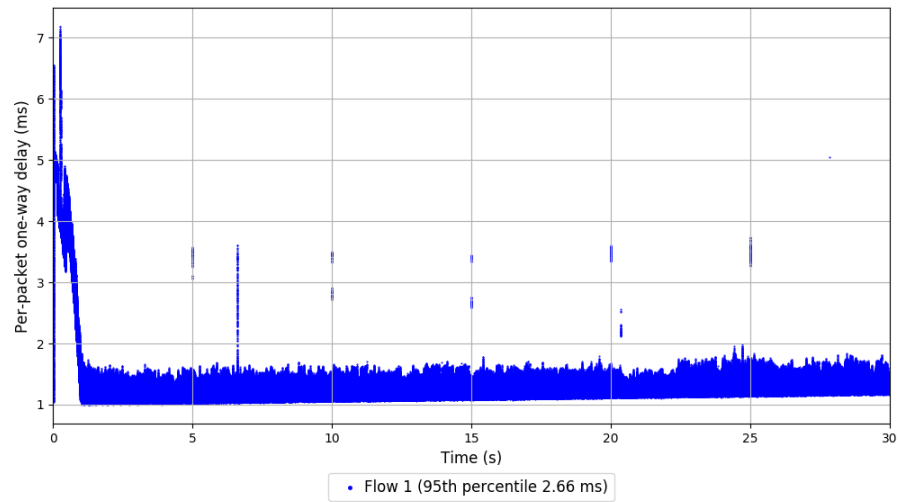
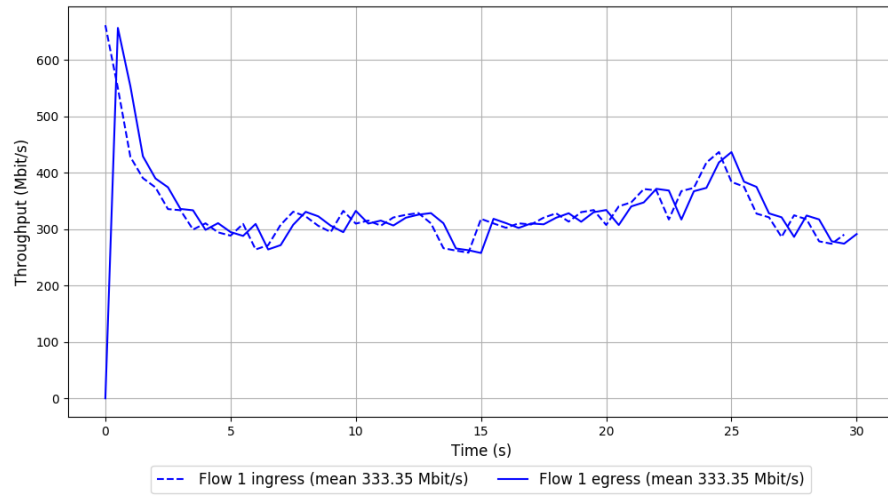
-- Flow 1:

Average throughput: 333.35 Mbit/s

95th percentile per-packet one-way delay: 2.658 ms

Loss rate: 0.00%

Run 1: Report of TCP Vegas — Data Link



Run 2: Statistics of TCP Vegas

Start at: 2020-02-17 22:16:30

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

Local clock offset: 5.408 ms

Remote clock offset: 0.405 ms

Below is generated by plot.py at 2020-02-18 01:15:09

Datalink statistics

-- Total of 1 flow:

Average throughput: 56.25 Mbit/s

95th percentile per-packet one-way delay: 1.307 ms

Loss rate: 0.01%

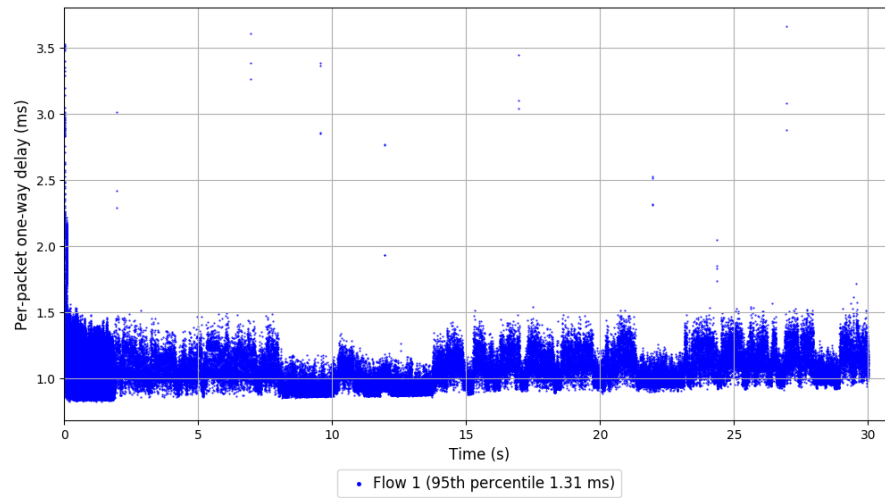
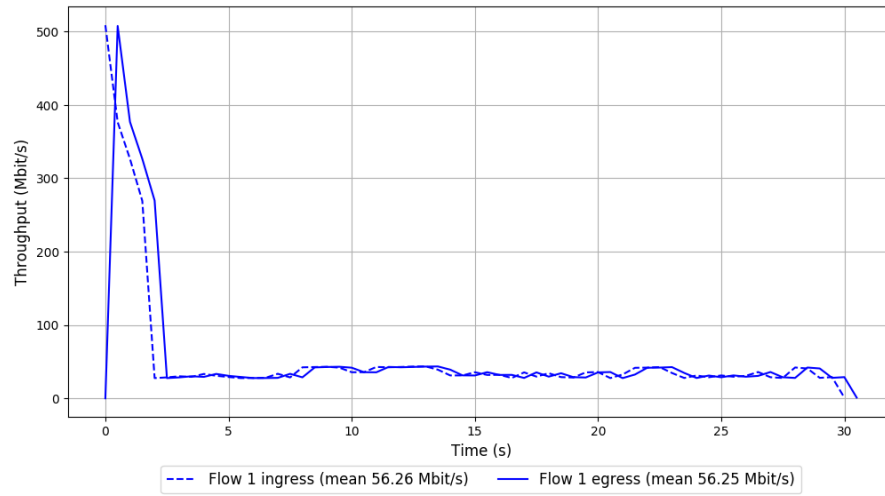
-- Flow 1:

Average throughput: 56.25 Mbit/s

95th percentile per-packet one-way delay: 1.307 ms

Loss rate: 0.01%

Run 2: Report of TCP Vegas — Data Link



Run 3: Statistics of TCP Vegas

Start at: 2020-02-17 22:50:00

End at: 2020-02-17 22:50:30

Local clock offset: 4.111 ms

Remote clock offset: 0.025 ms

Below is generated by plot.py at 2020-02-18 01:15:09

Datalink statistics

-- Total of 1 flow:

Average throughput: 42.32 Mbit/s

95th percentile per-packet one-way delay: 1.298 ms

Loss rate: 0.01%

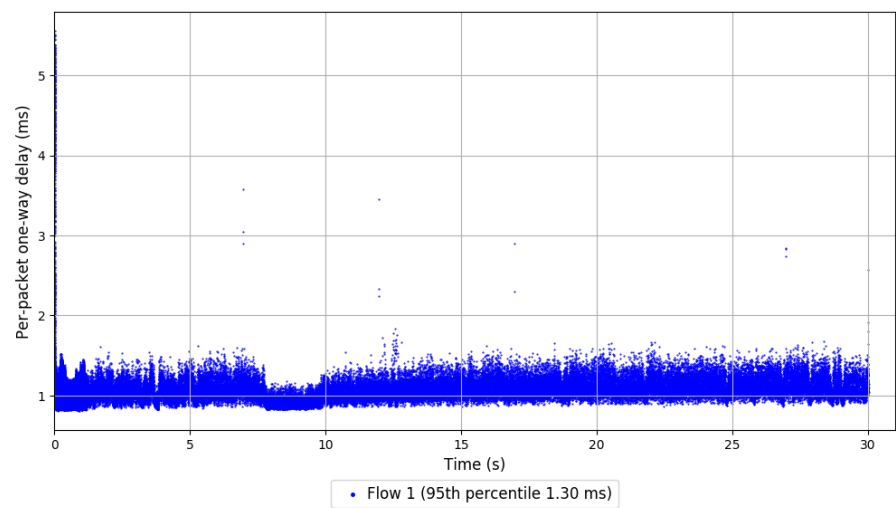
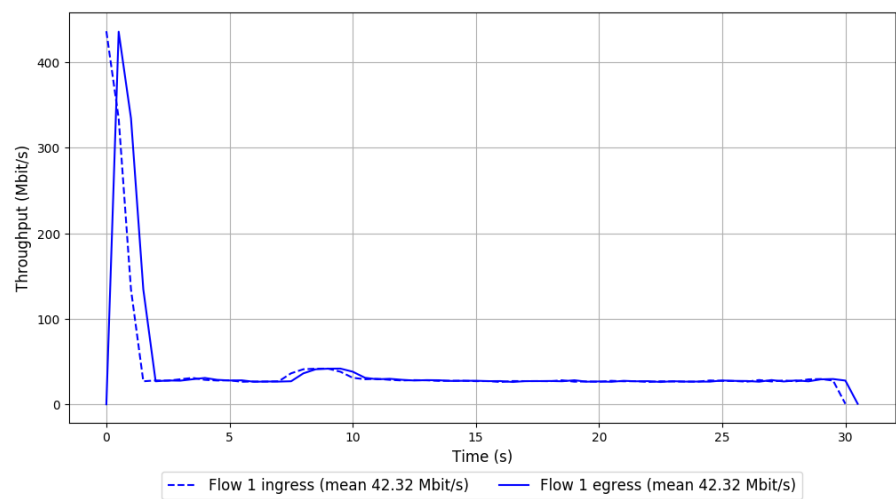
-- Flow 1:

Average throughput: 42.32 Mbit/s

95th percentile per-packet one-way delay: 1.298 ms

Loss rate: 0.01%

Run 3: Report of TCP Vegas — Data Link



Run 4: Statistics of TCP Vegas

Start at: 2020-02-17 23:22:49

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

Local clock offset: 2.546 ms

Remote clock offset: 0.118 ms

Below is generated by plot.py at 2020-02-18 01:15:09

Datalink statistics

-- Total of 1 flow:

Average throughput: 257.72 Mbit/s

95th percentile per-packet one-way delay: 1.229 ms

Loss rate: 0.00%

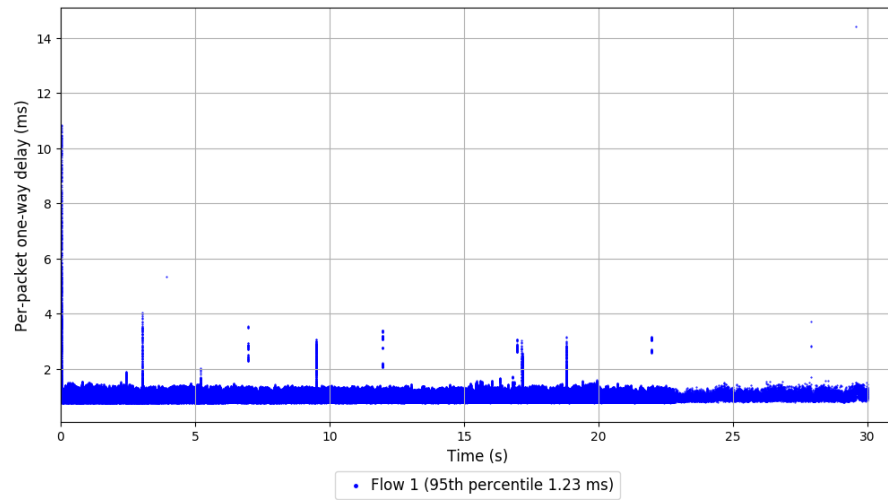
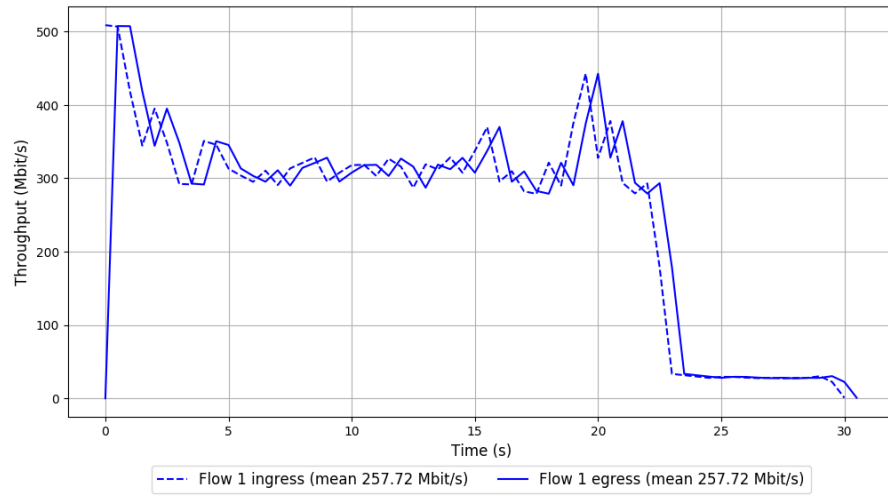
-- Flow 1:

Average throughput: 257.72 Mbit/s

95th percentile per-packet one-way delay: 1.229 ms

Loss rate: 0.00%

Run 4: Report of TCP Vegas — Data Link



Run 5: Statistics of TCP Vegas

Start at: 2020-02-17 23:56:06

End at: 2020-02-17 23:56:36

Local clock offset: 1.633 ms

Remote clock offset: 0.212 ms

Below is generated by plot.py at 2020-02-18 01:15:09

Datalink statistics

-- Total of 1 flow:

Average throughput: 159.43 Mbit/s

95th percentile per-packet one-way delay: 1.343 ms

Loss rate: 0.01%

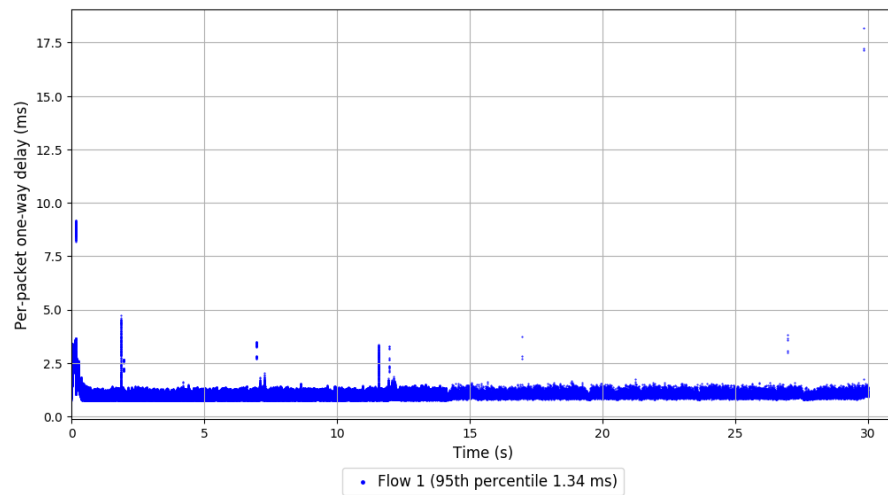
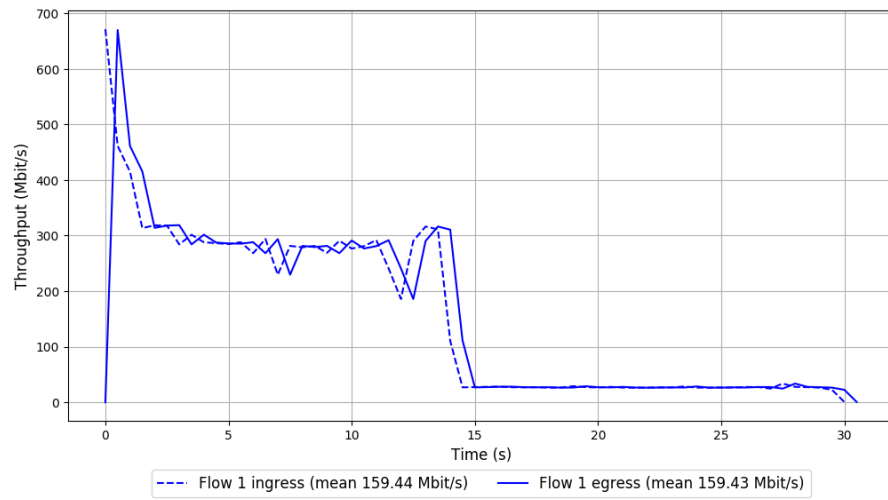
-- Flow 1:

Average throughput: 159.43 Mbit/s

95th percentile per-packet one-way delay: 1.343 ms

Loss rate: 0.01%

Run 5: Report of TCP Vegas — Data Link



Run 1: Statistics of Verus

Start at: 2020-02-17 21:57:14

End at: 2020-02-17 21:57:44

Local clock offset: 4.277 ms

Remote clock offset: 0.309 ms

Below is generated by plot.py at 2020-02-18 01:15:09

Datalink statistics

-- Total of 1 flow:

Average throughput: 194.31 Mbit/s

95th percentile per-packet one-way delay: 7.244 ms

Loss rate: 0.33%

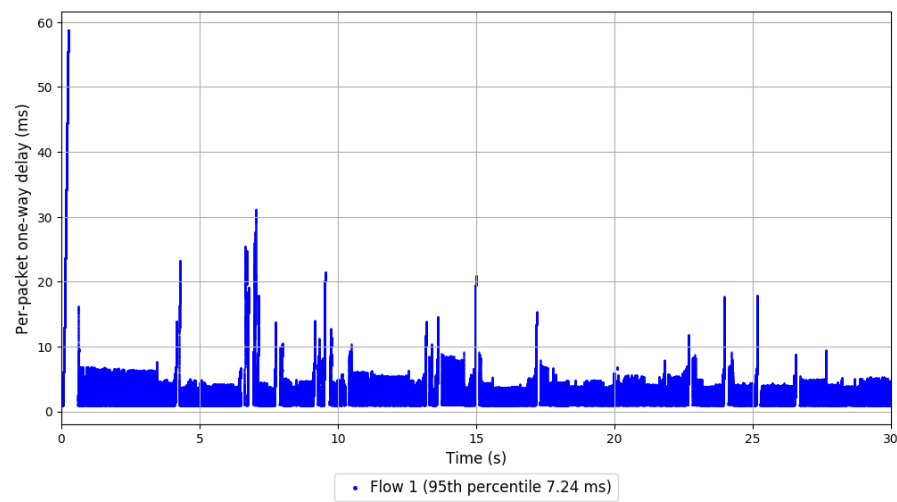
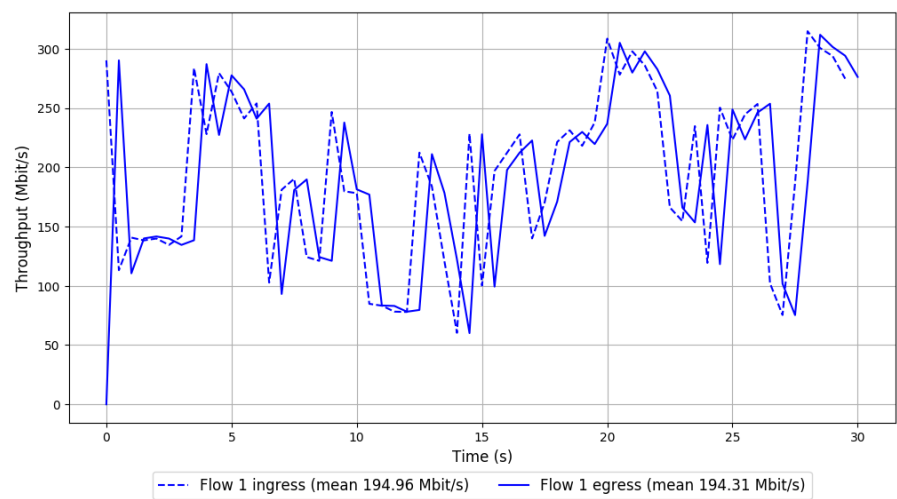
-- Flow 1:

Average throughput: 194.31 Mbit/s

95th percentile per-packet one-way delay: 7.244 ms

Loss rate: 0.33%

Run 1: Report of Verus — Data Link



Run 2: Statistics of Verus

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

End at: 2020-02-17 22:30:56

Local clock offset: 6.514 ms

Remote clock offset: 0.536 ms

Below is generated by plot.py at 2020-02-18 01:15:12

Datalink statistics

-- Total of 1 flow:

Average throughput: 239.21 Mbit/s

95th percentile per-packet one-way delay: 4.493 ms

Loss rate: 0.09%

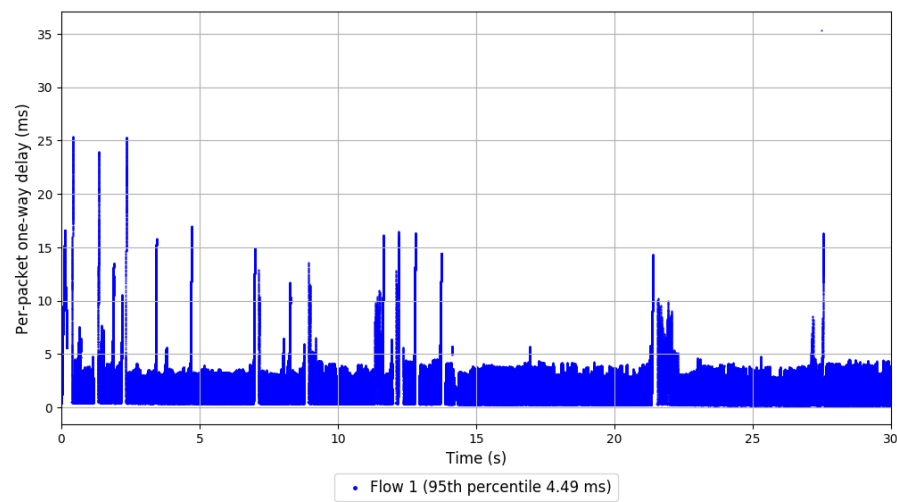
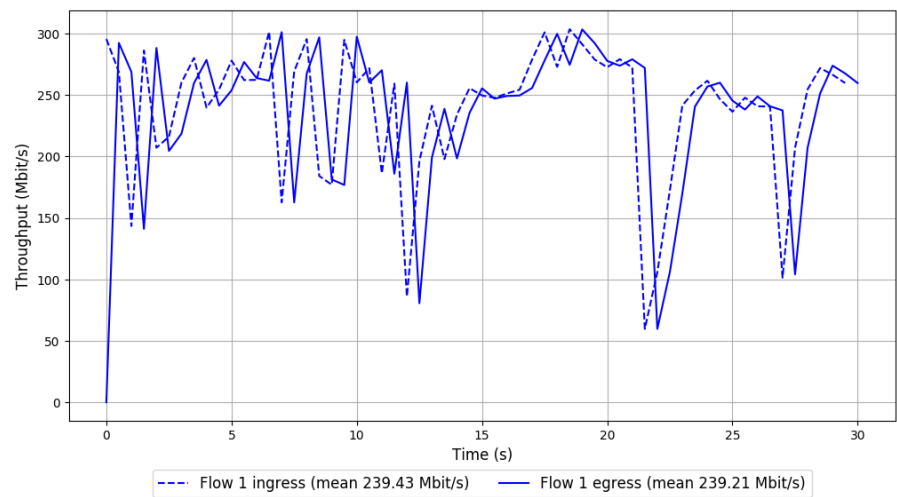
-- Flow 1:

Average throughput: 239.21 Mbit/s

95th percentile per-packet one-way delay: 4.493 ms

Loss rate: 0.09%

Run 2: Report of Verus — Data Link

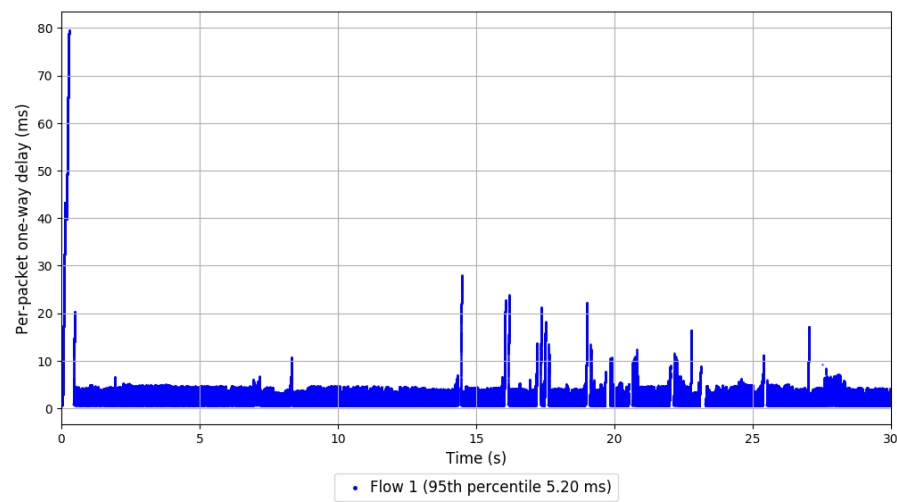
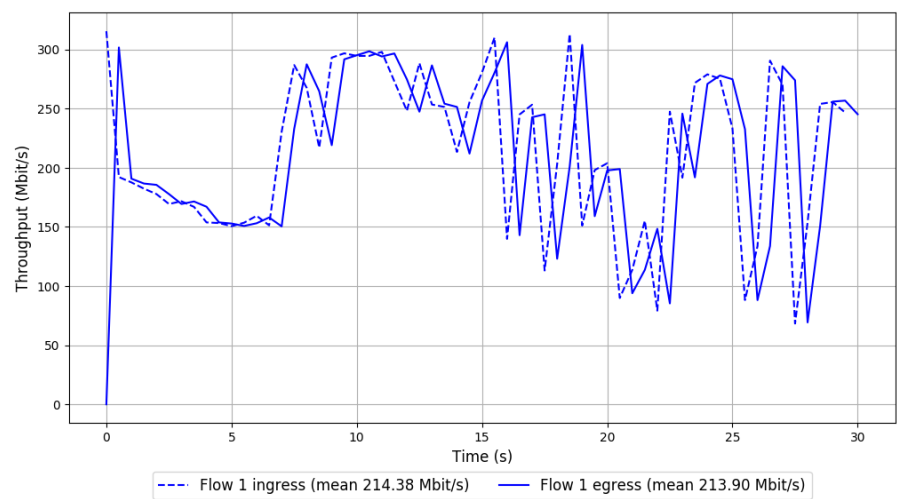


Run 3: Statistics of Verus

Start at: 2020-02-17 23:03:45
End at: 2020-02-17 23:04:15
Local clock offset: 3.191 ms
Remote clock offset: -0.183 ms

Below is generated by plot.py at 2020-02-18 01:15:31
Datalink statistics
-- Total of 1 flow:
Average throughput: 213.90 Mbit/s
95th percentile per-packet one-way delay: 5.201 ms
Loss rate: 0.22%
-- Flow 1:
Average throughput: 213.90 Mbit/s
95th percentile per-packet one-way delay: 5.201 ms
Loss rate: 0.22%

Run 3: Report of Verus — Data Link



Run 4: Statistics of Verus

Start at: 2020-02-17 23:37:05

End at: 2020-02-17 23:37:35

Local clock offset: 1.627 ms

Remote clock offset: 0.289 ms

Below is generated by plot.py at 2020-02-18 01:15:58

Datalink statistics

-- Total of 1 flow:

Average throughput: 259.99 Mbit/s

95th percentile per-packet one-way delay: 40.380 ms

Loss rate: 9.36%

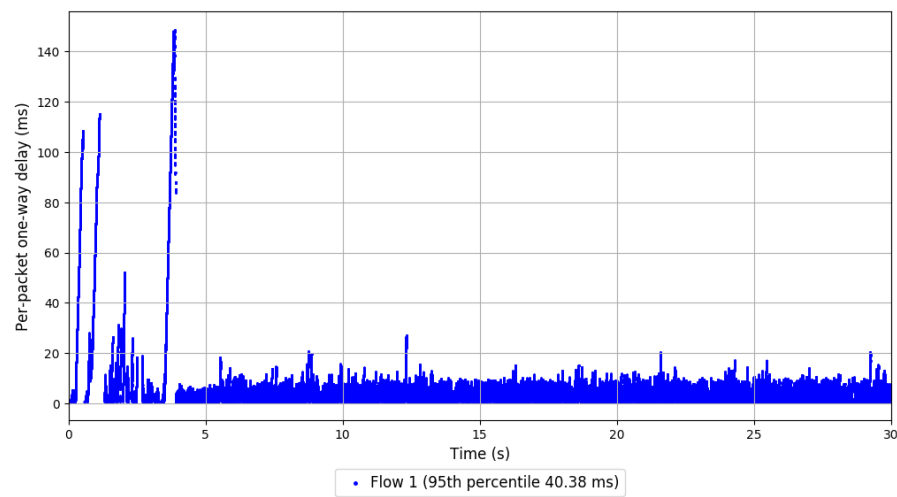
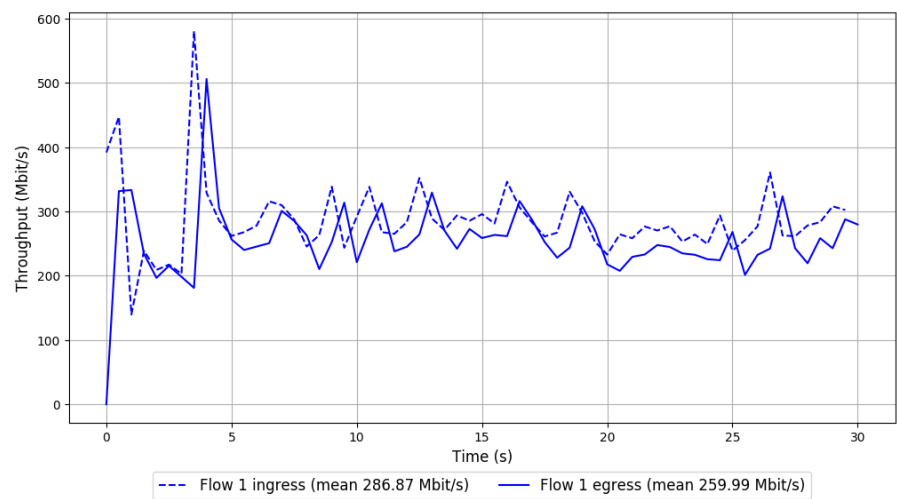
-- Flow 1:

Average throughput: 259.99 Mbit/s

95th percentile per-packet one-way delay: 40.380 ms

Loss rate: 9.36%

Run 4: Report of Verus — Data Link



Run 5: Statistics of Verus

Start at: 2020-02-18 00:10:24

End at: 2020-02-18 00:10:54

Local clock offset: 0.67 ms

Remote clock offset: 0.225 ms

Below is generated by plot.py at 2020-02-18 01:15:58

Datalink statistics

-- Total of 1 flow:

Average throughput: 212.41 Mbit/s

95th percentile per-packet one-way delay: 7.879 ms

Loss rate: 0.54%

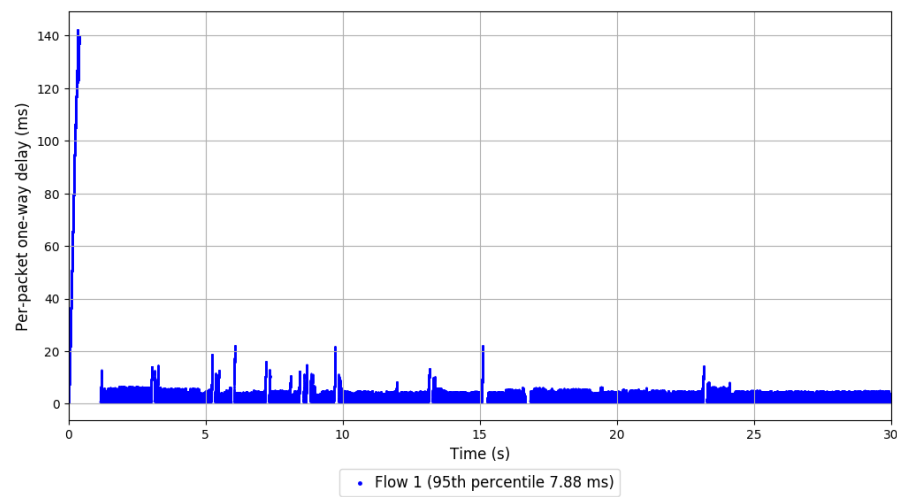
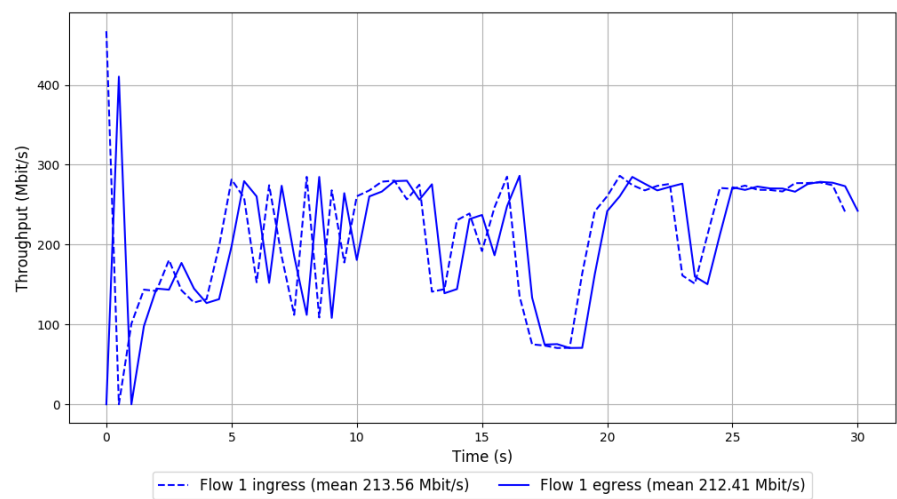
-- Flow 1:

Average throughput: 212.41 Mbit/s

95th percentile per-packet one-way delay: 7.879 ms

Loss rate: 0.54%

Run 5: Report of Verus — Data Link



Run 1: Statistics of PCC-Vivace

Start at: 2020-02-17 21:59:56

End at: 2020-02-17 22:00:26

Local clock offset: 4.15 ms

Remote clock offset: 0.314 ms

Below is generated by plot.py at 2020-02-18 01:15:58

Datalink statistics

-- Total of 1 flow:

Average throughput: 196.19 Mbit/s

95th percentile per-packet one-way delay: 0.804 ms

Loss rate: 0.00%

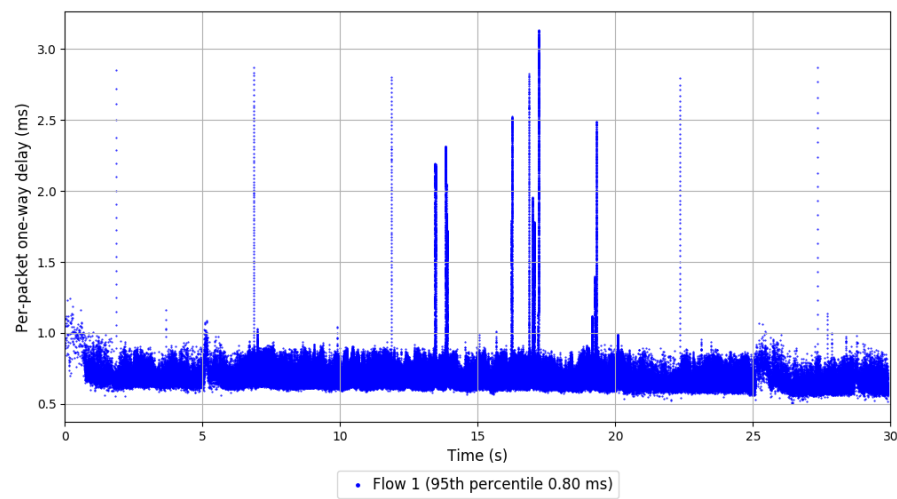
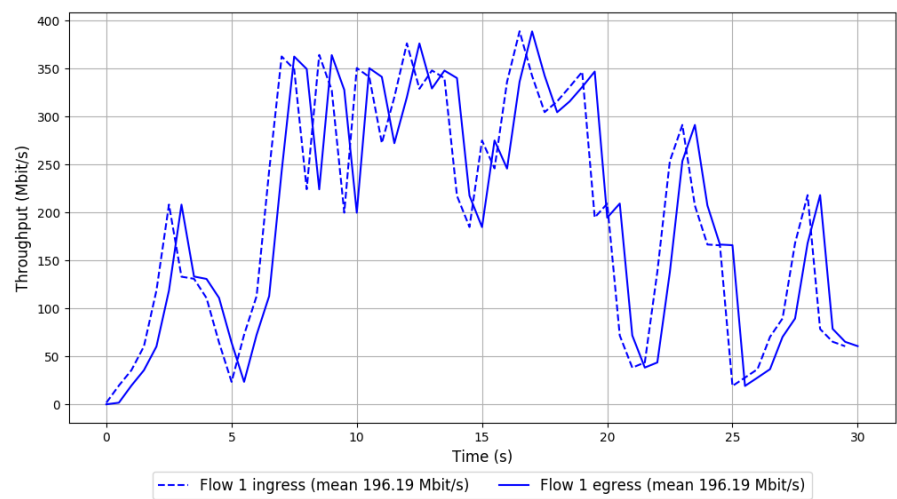
-- Flow 1:

Average throughput: 196.19 Mbit/s

95th percentile per-packet one-way delay: 0.804 ms

Loss rate: 0.00%

Run 1: Report of PCC-Vivace — Data Link



Run 2: Statistics of PCC-Vivace

Start at: 2020-02-17 22:33:20

End at: 2020-02-17 22:33:50

Local clock offset: 5.214 ms

Remote clock offset: 0.663 ms

Below is generated by plot.py at 2020-02-18 01:16:57

Datalink statistics

-- Total of 1 flow:

Average throughput: 383.24 Mbit/s

95th percentile per-packet one-way delay: 19.807 ms

Loss rate: 0.01%

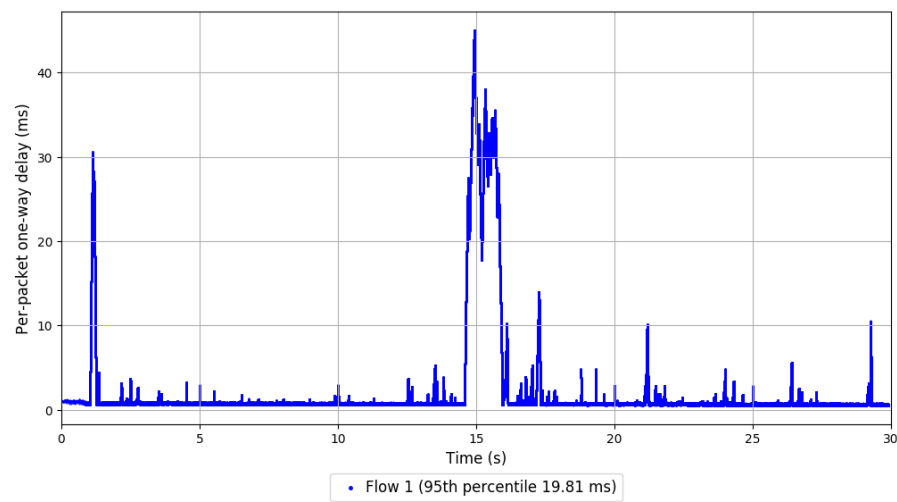
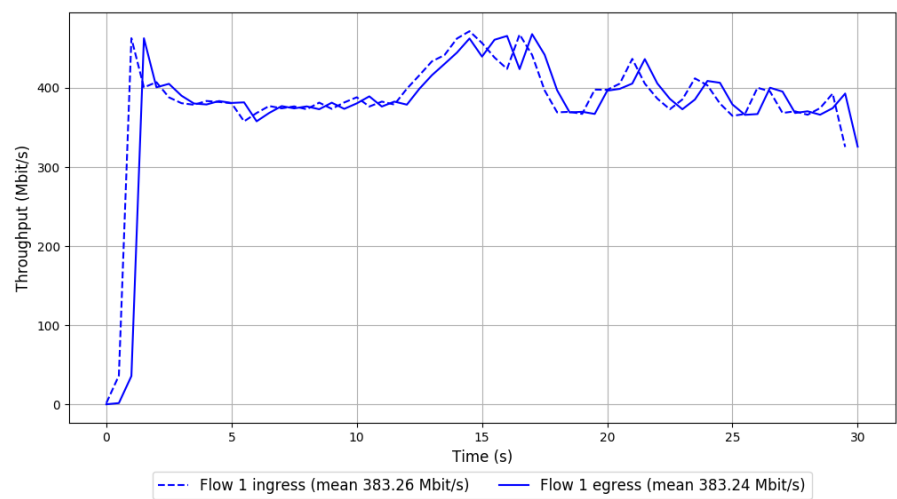
-- Flow 1:

Average throughput: 383.24 Mbit/s

95th percentile per-packet one-way delay: 19.807 ms

Loss rate: 0.01%

Run 2: Report of PCC-Vivace — Data Link



Run 3: Statistics of PCC-Vivace

Start at: 2020-02-17 23:06:39

End at: 2020-02-17 23:07:09

Local clock offset: 2.743 ms

Remote clock offset: -0.197 ms

Below is generated by plot.py at 2020-02-18 01:16:57

Datalink statistics

-- Total of 1 flow:

Average throughput: 243.58 Mbit/s

95th percentile per-packet one-way delay: 0.930 ms

Loss rate: 0.00%

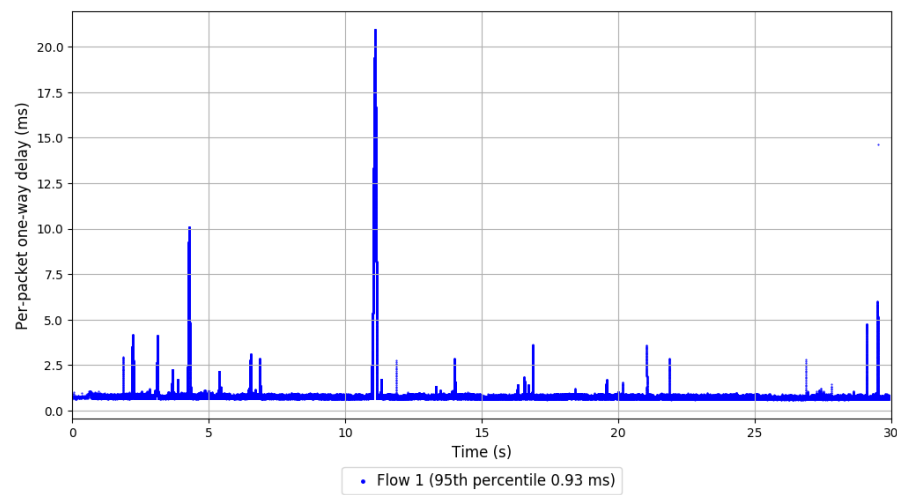
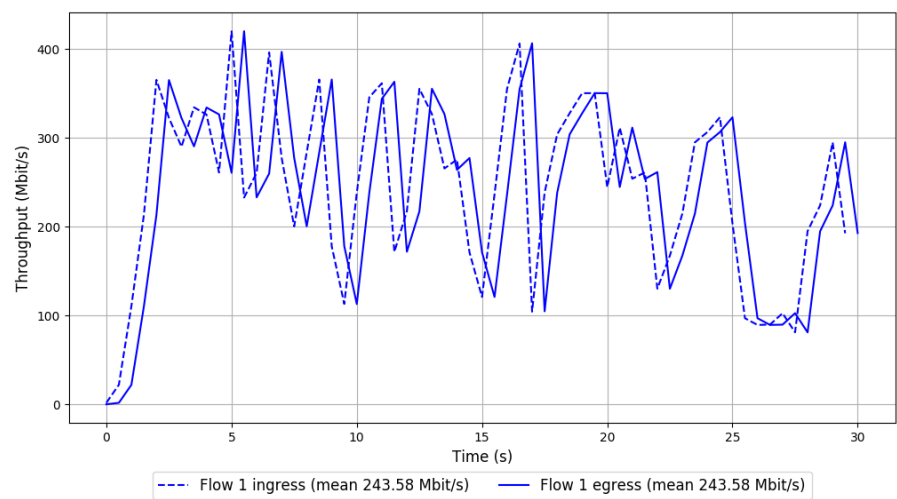
-- Flow 1:

Average throughput: 243.58 Mbit/s

95th percentile per-packet one-way delay: 0.930 ms

Loss rate: 0.00%

Run 3: Report of PCC-Vivace — Data Link



Run 4: Statistics of PCC-Vivace

Start at: 2020-02-17 23:39:46

End at: 2020-02-17 23:40:16

Local clock offset: 1.527 ms

Remote clock offset: 0.272 ms

Below is generated by plot.py at 2020-02-18 01:16:59

Datalink statistics

-- Total of 1 flow:

Average throughput: 381.50 Mbit/s

95th percentile per-packet one-way delay: 67.922 ms

Loss rate: 0.00%

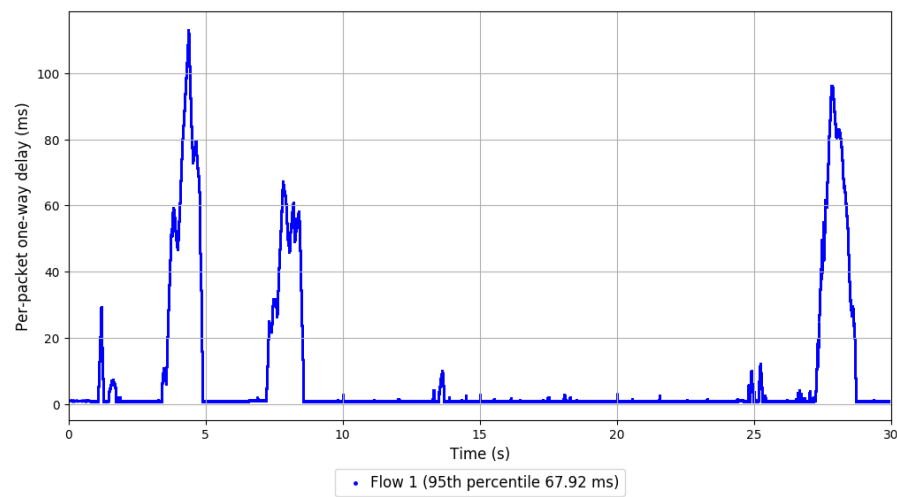
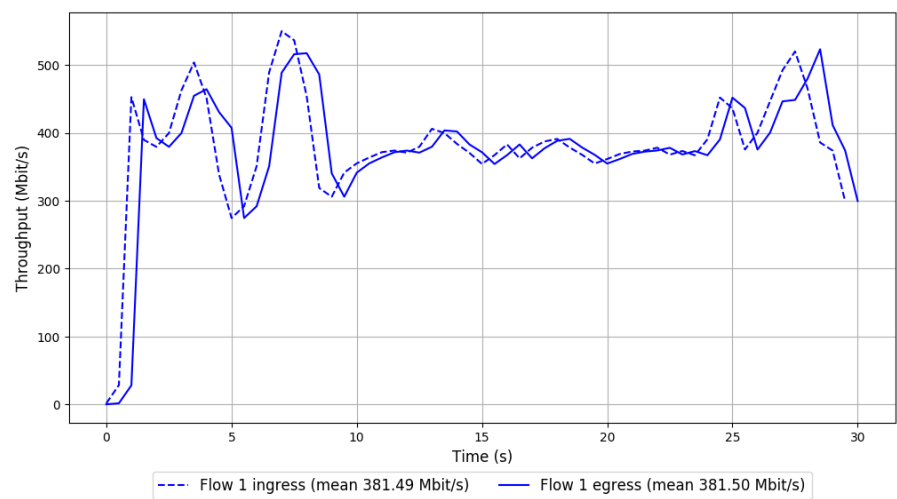
-- Flow 1:

Average throughput: 381.50 Mbit/s

95th percentile per-packet one-way delay: 67.922 ms

Loss rate: 0.00%

Run 4: Report of PCC-Vivace — Data Link



Run 5: Statistics of PCC-Vivace

Start at: 2020-02-18 00:13:02

End at: 2020-02-18 00:13:32

Local clock offset: 0.589 ms

Remote clock offset: 0.156 ms

Below is generated by plot.py at 2020-02-18 01:16:59

Datalink statistics

-- Total of 1 flow:

Average throughput: 153.20 Mbit/s

95th percentile per-packet one-way delay: 0.946 ms

Loss rate: 0.00%

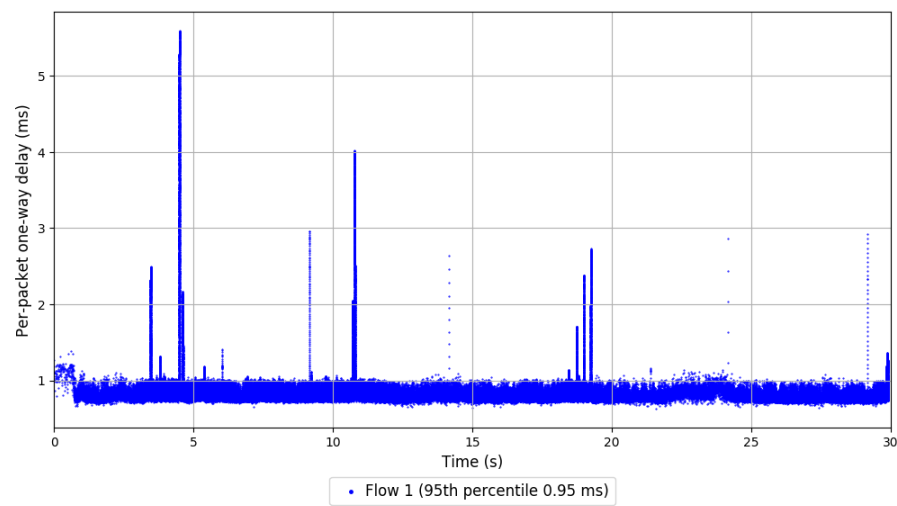
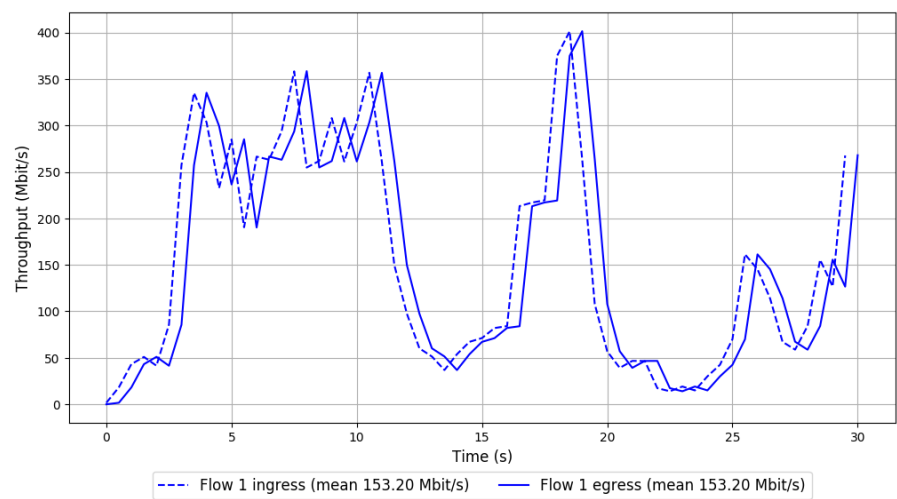
-- Flow 1:

Average throughput: 153.20 Mbit/s

95th percentile per-packet one-way delay: 0.946 ms

Loss rate: 0.00%

Run 5: Report of PCC-Vivace — Data Link



Run 1: Statistics of WebRTC media

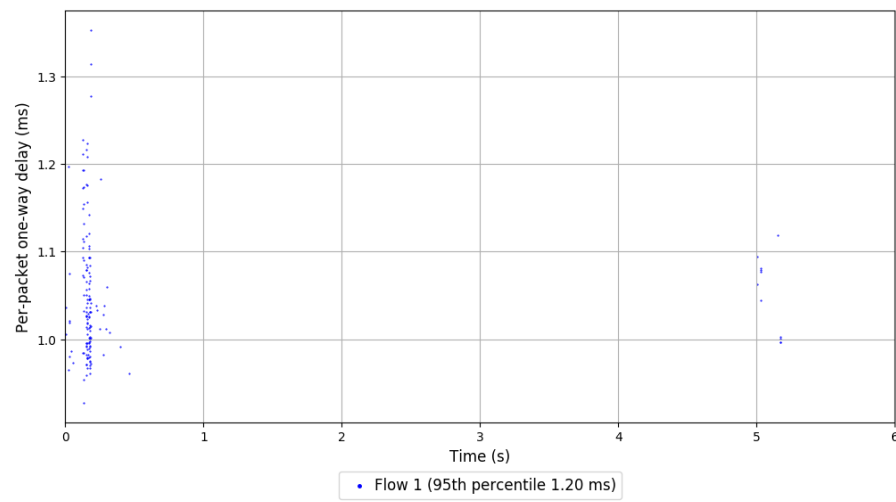
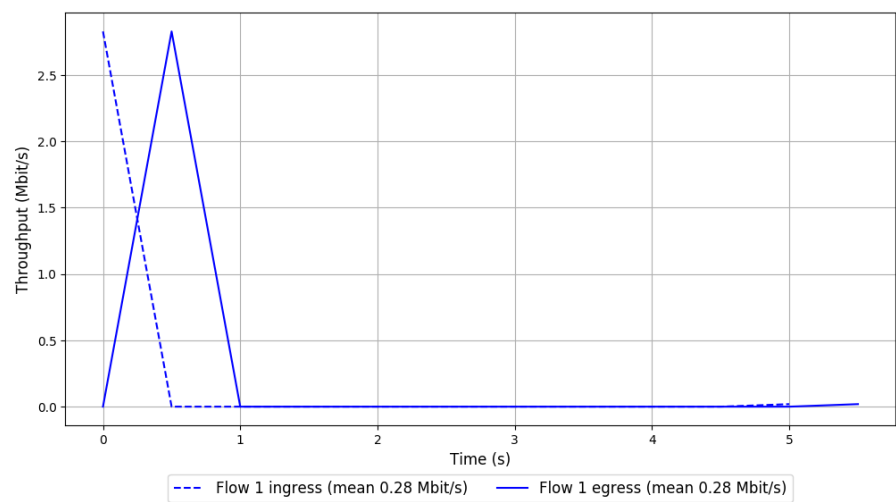
Start at: 2020-02-17 21:31:02

End at: 2020-02-17 21:31:32

Local clock offset: 1.414 ms

Remote clock offset: 0.204 ms

Run 1: Report of WebRTC media — Data Link



Run 2: Statistics of WebRTC media

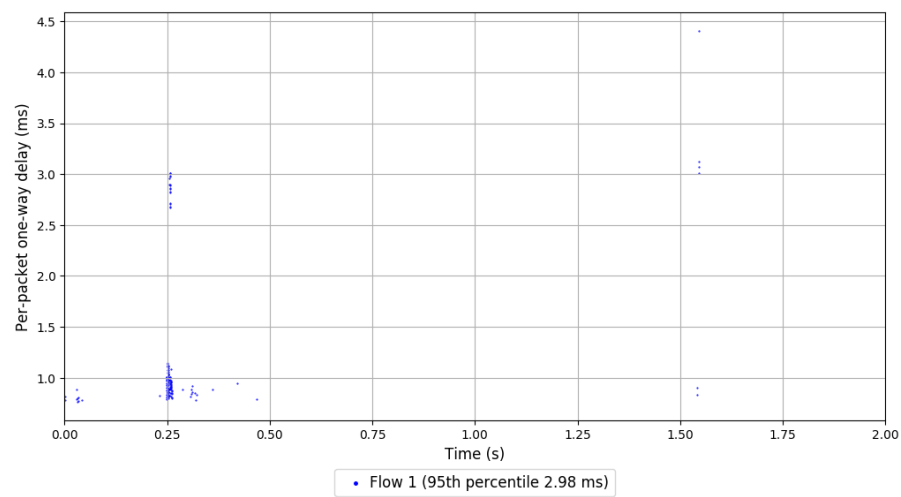
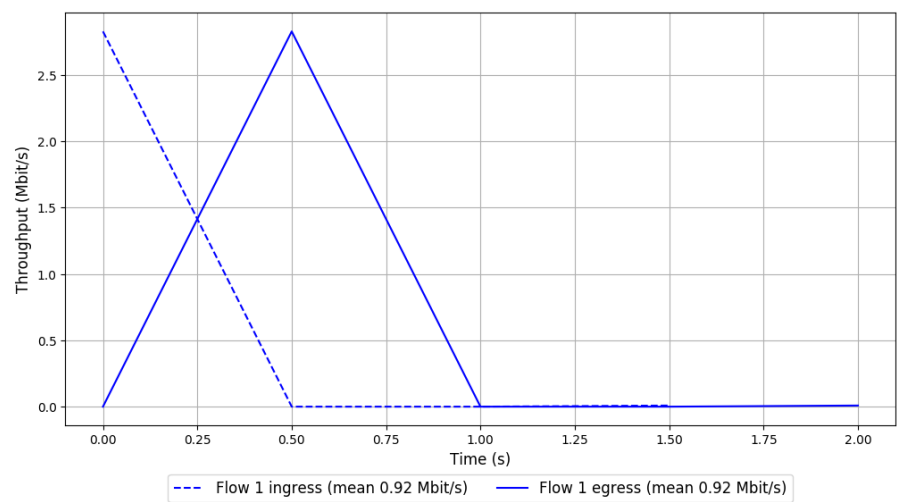
Start at: 2020-02-17 22:04:16

End at: 2020-02-17 22:04:46

Local clock offset: 3.9 ms

Remote clock offset: 0.402 ms

Run 2: Report of WebRTC media — Data Link



Run 3: Statistics of WebRTC media

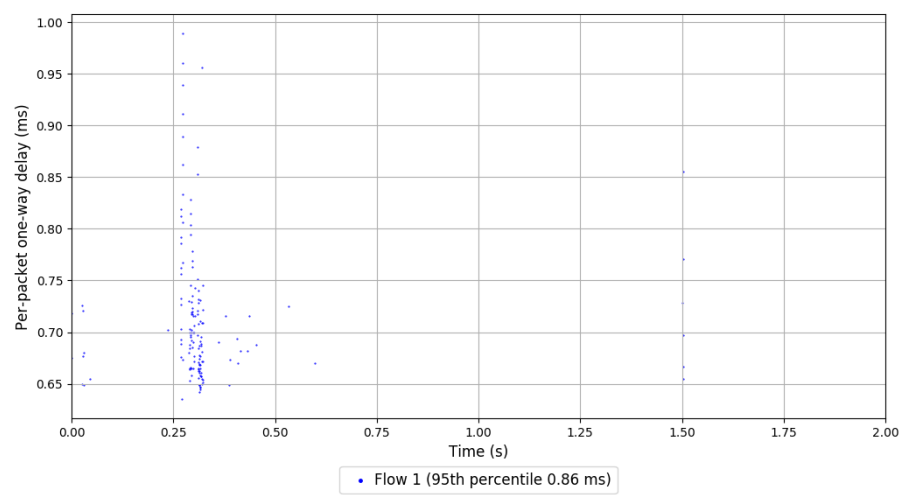
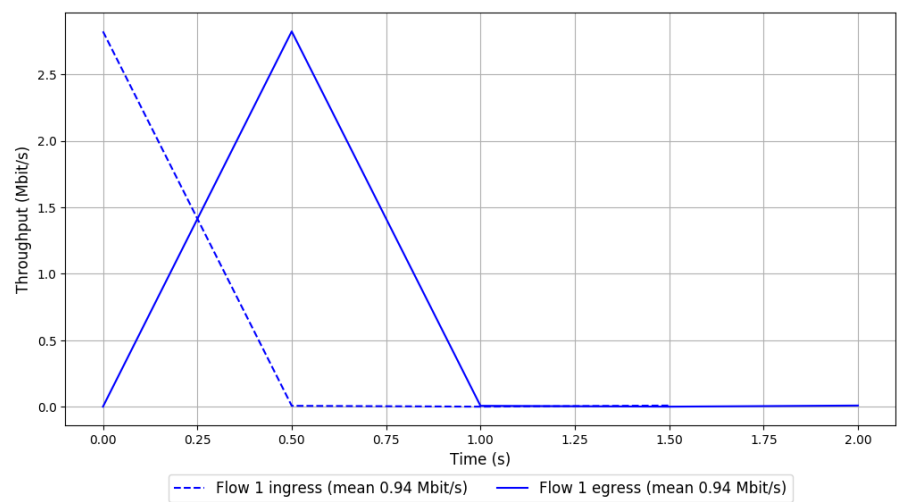
Start at: 2020-02-17 22:37:55

End at: 2020-02-17 22:38:25

Local clock offset: 4.241 ms

Remote clock offset: 0.455 ms

Run 3: Report of WebRTC media — Data Link



Run 4: Statistics of WebRTC media

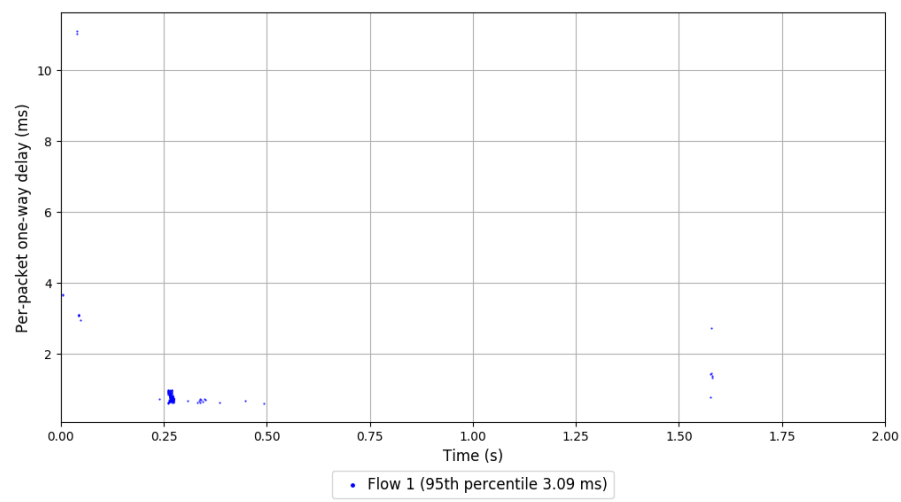
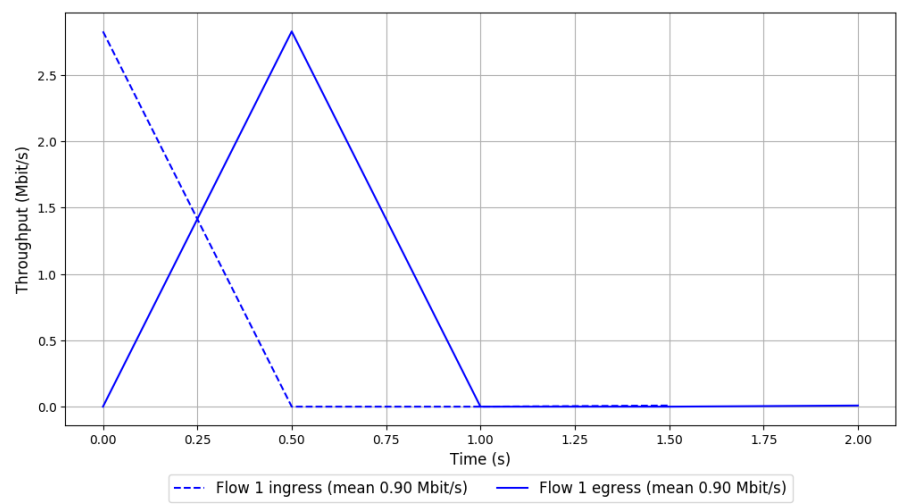
Start at: 2020-02-17 23:11:08

End at: 2020-02-17 23:11:38

Local clock offset: 2.375 ms

Remote clock offset: -0.22 ms

Run 4: Report of WebRTC media — Data Link



Run 5: Statistics of WebRTC media

Start at: 2020-02-17 23:44:20

End at: 2020-02-17 23:44:50

Local clock offset: 1.447 ms

Remote clock offset: 0.307 ms

Run 5: Report of WebRTC media — Data Link

