

Pantheon Report

Generated at 2019-01-25 14:12:56 (UTC).

Data path: Stanford on `eno1` (*remote*) → AWS California 1 on `ens5` (*local*).

Repeated the test of 21 congestion control schemes 5 times.

Each test lasted for 30 seconds running 1 flow.

NTP offsets were measured against `time.stanford.edu` and have been applied to correct the timestamps in logs.

System info:

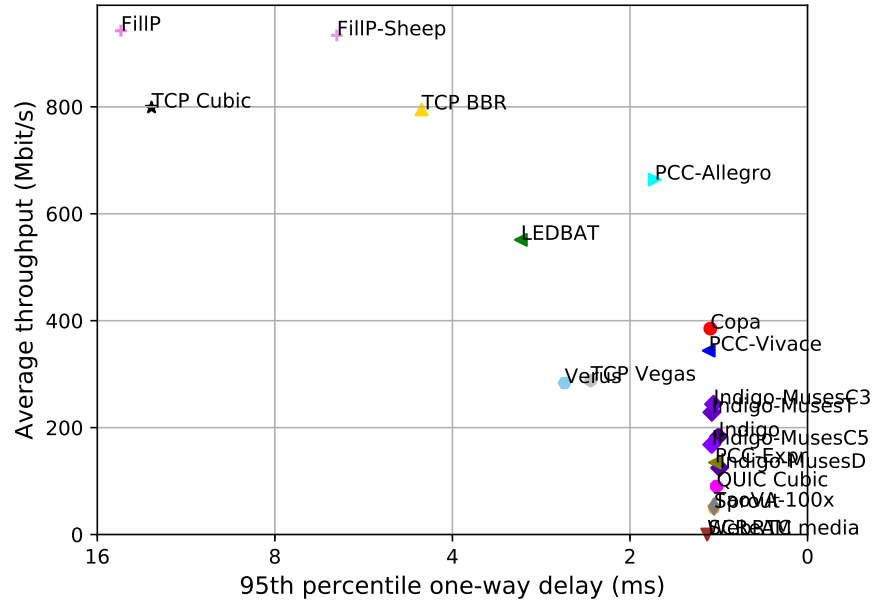
```
Linux 4.15.0-1031-aws
net.core.default_qdisc = fq
net.core.rmem_default = 16777216
net.core.rmem_max = 536870912
net.core.wmem_default = 16777216
net.core.wmem_max = 536870912
net.ipv4.tcp_rmem = 4096 16777216 536870912
net.ipv4.tcp_wmem = 4096 16777216 536870912
```

Git summary:

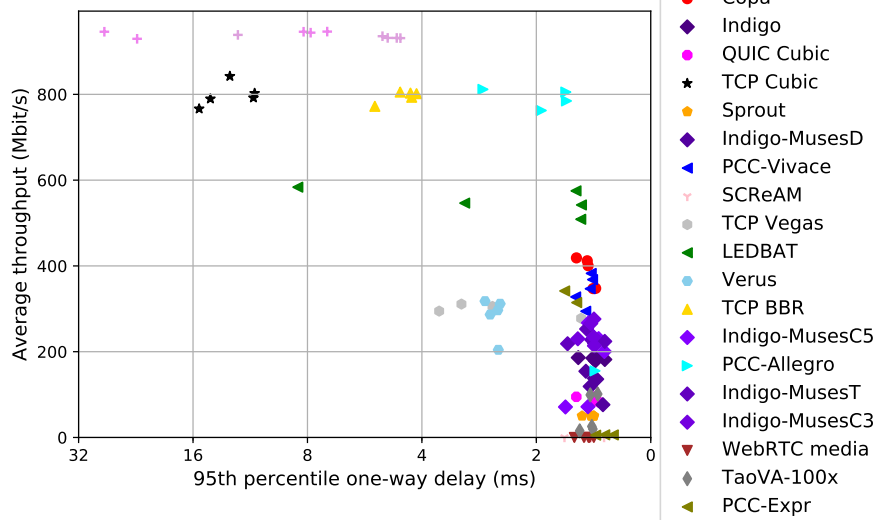
```
branch: muses @ 0b8e9a949603c3842368430acf469eec3b941f9f
third_party/fillp @ d6da1459332fcee56963885d7eba17e6a32d4519
third_party/fillp-sheep @ 0e5bb722943babcd2b090d2c64fcd45e12e923f9
third_party/genericCC @ d0153f8e594aa89e93b032143cedbdf58e562f4
third_party/indigo @ 2601c92e4aa9d58d38dc4dfe0ecd90c077e64d
third_party/libutp @ b3465b942e2826f2b179eaab4a906ce6bb7cf3cf
third_party/muses @ d9c5ea33091330aca25ecd105ab2db6d34d5c40d
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-quic @ 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 Stanford to AWS California 1, 5 runs of 30s each per scheme
(mean of all runs by scheme)



test from Stanford to AWS California 1, 5 runs of 30s each per 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	795.12	4.51	0.02
Copa	5	385.22	1.09	0.01
TCP Cubic	5	798.57	12.95	0.03
FillP	5	942.38	14.59	0.04
FillP-Sheep	5	933.74	6.28	0.02
Indigo	5	183.58	1.00	0.01
Indigo-MusesC3	5	243.93	1.06	0.00
Indigo-MusesC5	5	168.20	1.08	0.00
Indigo-MusesD	5	124.70	0.99	0.01
Indigo-MusesT	5	228.50	1.08	0.01
LEDBAT	5	551.19	3.06	0.01
PCC-Allegro	5	663.89	1.72	0.01
PCC-Expr	5	134.71	1.04	0.01
QUIC Cubic	5	90.19	1.03	0.01
SCReAM	5	0.22	1.12	0.00
Sprout	5	50.21	1.05	0.01
TaoVA-100x	5	52.25	1.05	0.00
TCP Vegas	5	287.86	2.33	0.00
Verus	5	283.46	2.58	0.01
PCC-Vivace	5	343.90	1.11	0.01
WebRTC media	5	0.05	1.13	0.00

Run 1: Statistics of TCP BBR

Start at: 2019-01-25 11:01:25

End at: 2019-01-25 11:01:55

Local clock offset: 0.689 ms

Remote clock offset: 1.141 ms

Below is generated by plot.py at 2019-01-25 13:24:40

Datalink statistics

-- Total of 1 flow:

Average throughput: 793.33 Mbit/s

95th percentile per-packet one-way delay: 4.255 ms

Loss rate: 0.02%

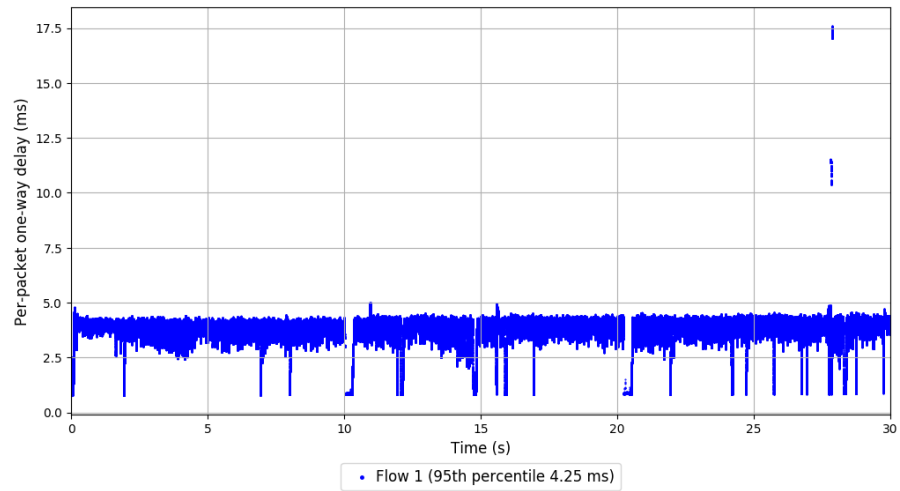
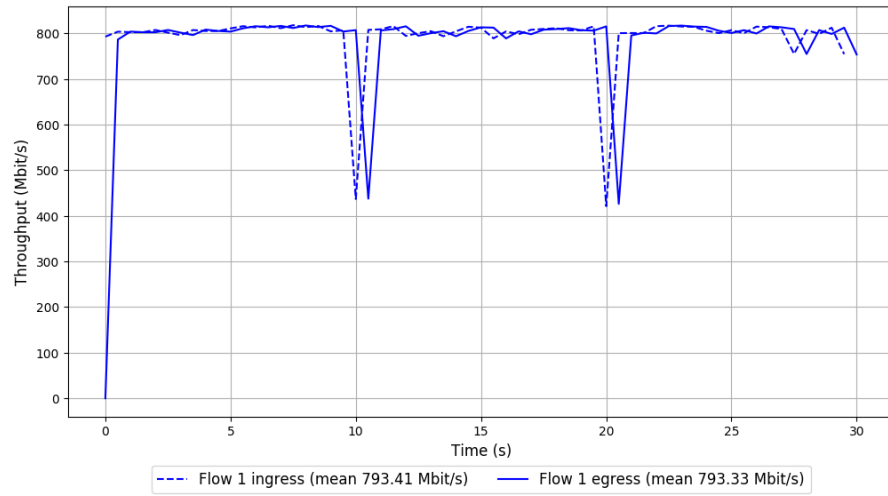
-- Flow 1:

Average throughput: 793.33 Mbit/s

95th percentile per-packet one-way delay: 4.255 ms

Loss rate: 0.02%

Run 1: Report of TCP BBR — Data Link



Run 2: Statistics of TCP BBR

Start at: 2019-01-25 11:30:56

End at: 2019-01-25 11:31:26

Local clock offset: 3.983 ms

Remote clock offset: 5.187 ms

Below is generated by plot.py at 2019-01-25 13:24:45

Datalink statistics

-- Total of 1 flow:

Average throughput: 801.71 Mbit/s

95th percentile per-packet one-way delay: 4.132 ms

Loss rate: 0.02%

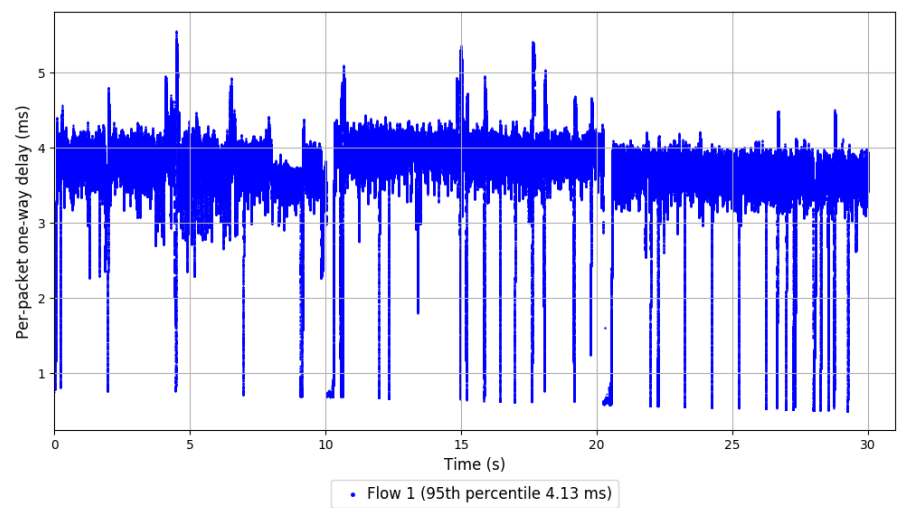
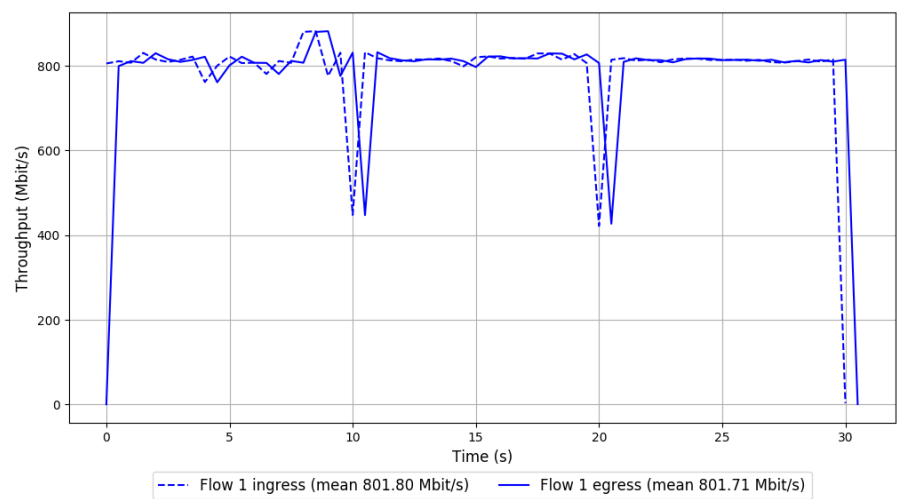
-- Flow 1:

Average throughput: 801.71 Mbit/s

95th percentile per-packet one-way delay: 4.132 ms

Loss rate: 0.02%

Run 2: Report of TCP BBR — Data Link



Run 3: Statistics of TCP BBR

Start at: 2019-01-25 12:00:07

End at: 2019-01-25 12:00:37

Local clock offset: 5.055 ms

Remote clock offset: 0.912 ms

Below is generated by plot.py at 2019-01-25 13:24:48

Datalink statistics

-- Total of 1 flow:

Average throughput: 805.40 Mbit/s

95th percentile per-packet one-way delay: 4.562 ms

Loss rate: 0.02%

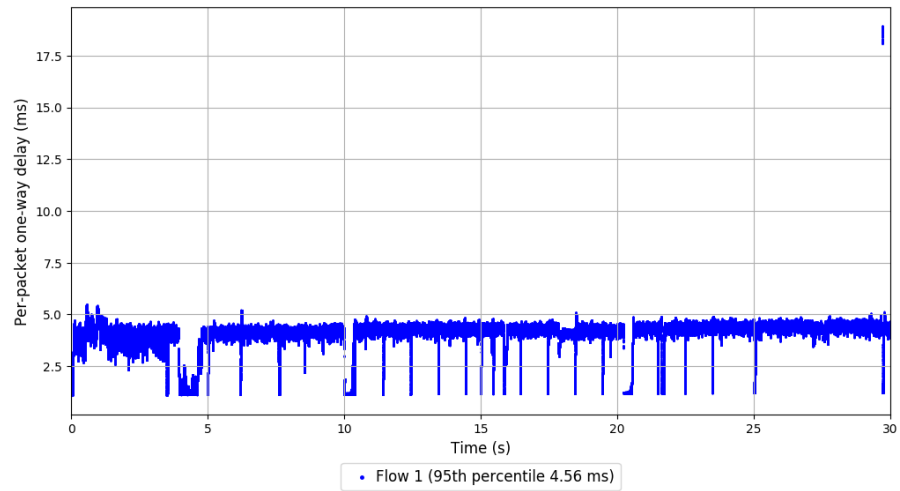
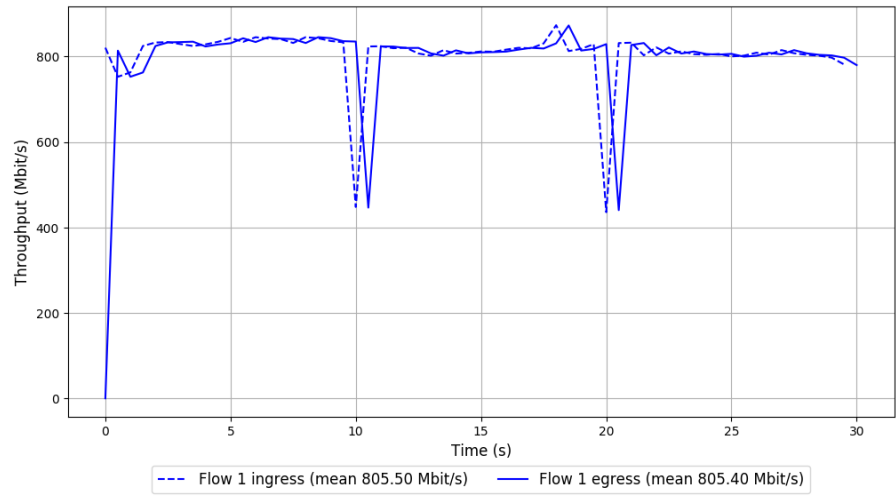
-- Flow 1:

Average throughput: 805.40 Mbit/s

95th percentile per-packet one-way delay: 4.562 ms

Loss rate: 0.02%

Run 3: Report of TCP BBR — Data Link

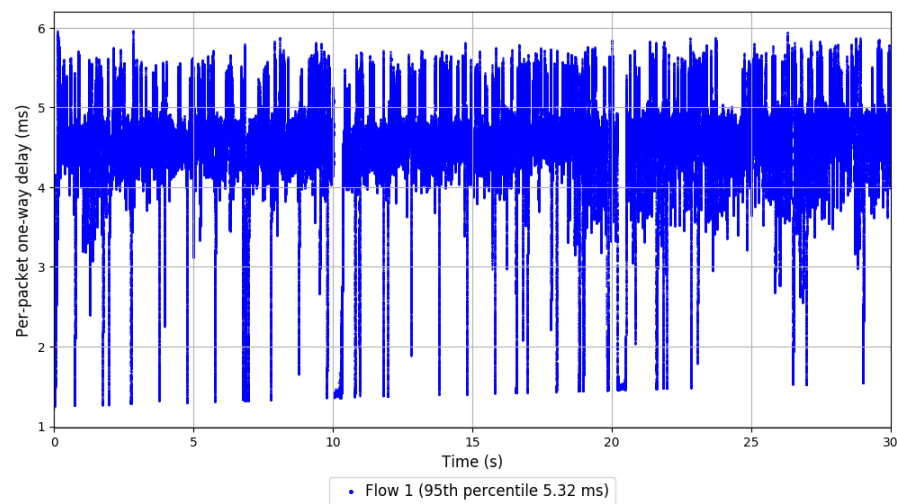
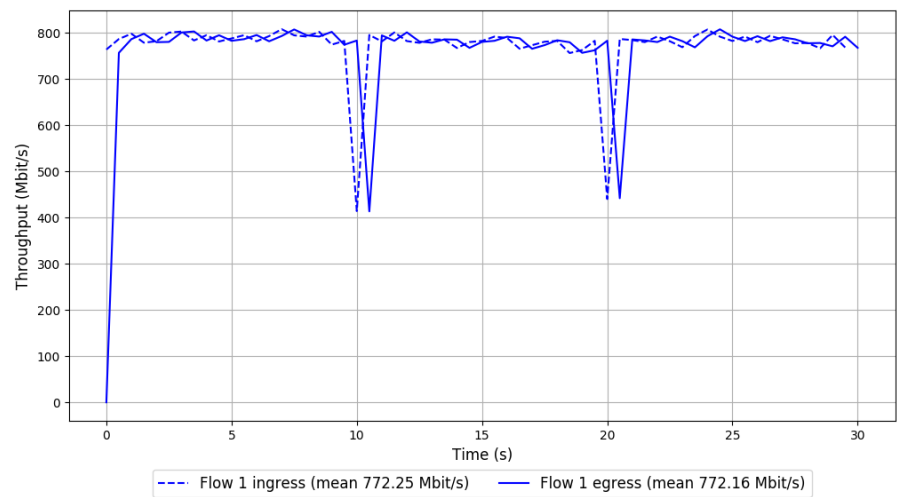


Run 4: Statistics of TCP BBR

Start at: 2019-01-25 12:29:59
End at: 2019-01-25 12:30:29
Local clock offset: 2.452 ms
Remote clock offset: -3.672 ms

Below is generated by plot.py at 2019-01-25 13:24:48
Datalink statistics
-- Total of 1 flow:
Average throughput: 772.16 Mbit/s
95th percentile per-packet one-way delay: 5.319 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 772.16 Mbit/s
95th percentile per-packet one-way delay: 5.319 ms
Loss rate: 0.02%

Run 4: Report of TCP BBR — Data Link

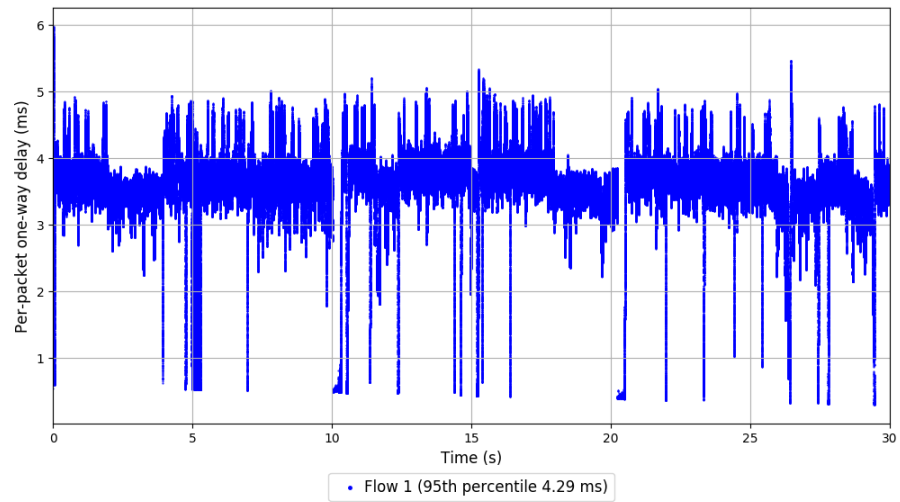
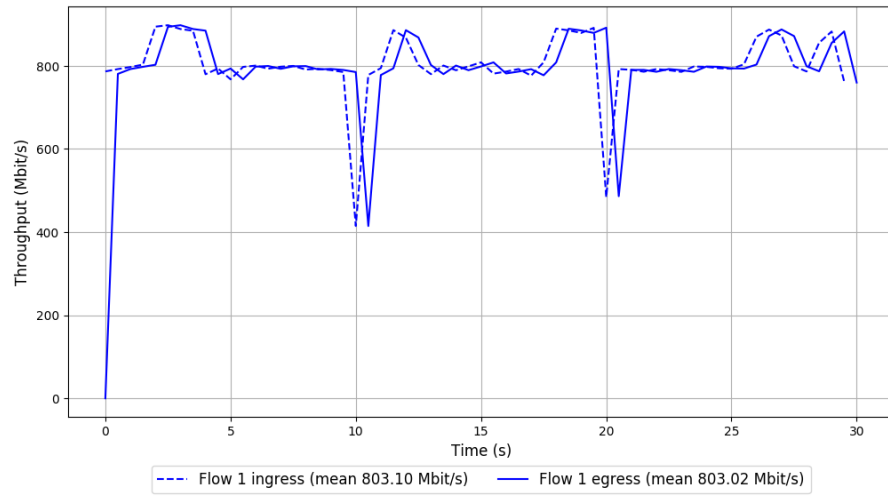


Run 5: Statistics of TCP BBR

Start at: 2019-01-25 12:59:43
End at: 2019-01-25 13:00:13
Local clock offset: -5.206 ms
Remote clock offset: -3.444 ms

Below is generated by plot.py at 2019-01-25 13:24:52
Datalink statistics
-- Total of 1 flow:
Average throughput: 803.02 Mbit/s
95th percentile per-packet one-way delay: 4.287 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 803.02 Mbit/s
95th percentile per-packet one-way delay: 4.287 ms
Loss rate: 0.02%

Run 5: Report of TCP BBR — Data Link

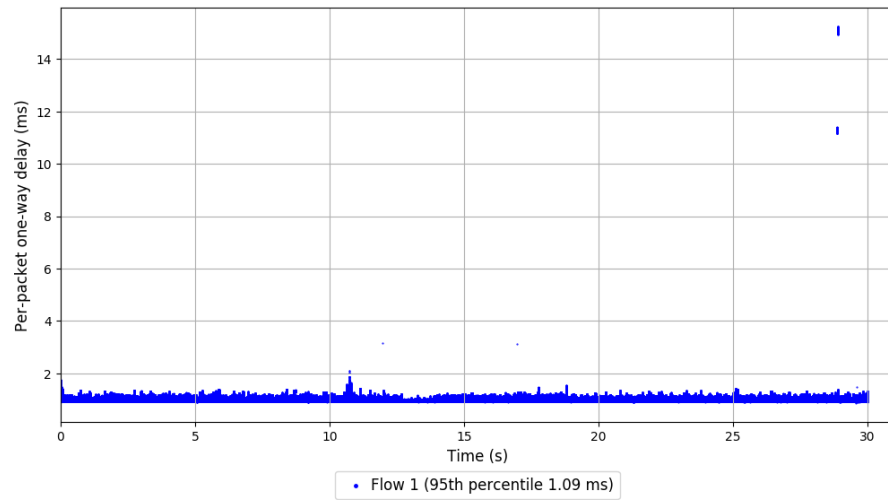
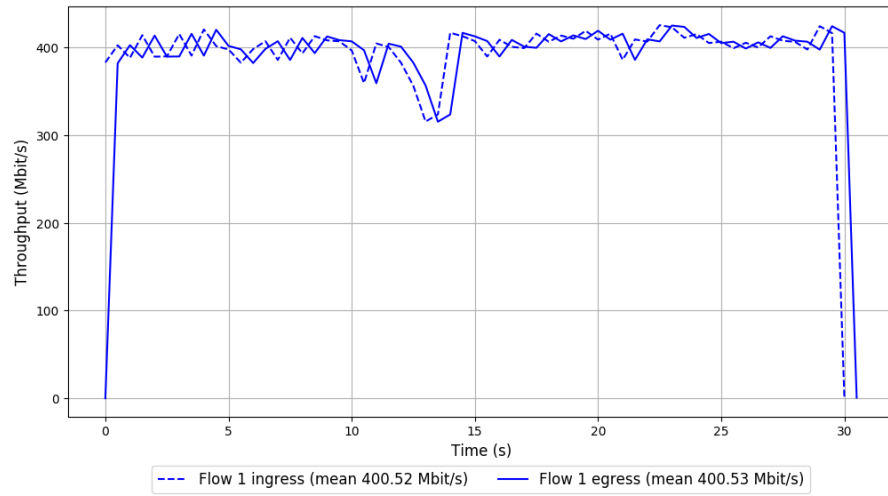


Run 1: Statistics of Copa

Start at: 2019-01-25 10:47:05
End at: 2019-01-25 10:47:35
Local clock offset: 0.131 ms
Remote clock offset: -3.086 ms

Below is generated by plot.py at 2019-01-25 13:24:52
Datalink statistics
-- Total of 1 flow:
Average throughput: 400.53 Mbit/s
95th percentile per-packet one-way delay: 1.095 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 400.53 Mbit/s
95th percentile per-packet one-way delay: 1.095 ms
Loss rate: 0.00%

Run 1: Report of Copa — Data Link



Run 2: Statistics of Copa

Start at: 2019-01-25 11:16:30

End at: 2019-01-25 11:17:00

Local clock offset: 3.131 ms

Remote clock offset: 5.046 ms

Below is generated by plot.py at 2019-01-25 13:24:52

Datalink statistics

-- Total of 1 flow:

Average throughput: 411.99 Mbit/s

95th percentile per-packet one-way delay: 1.110 ms

Loss rate: 0.01%

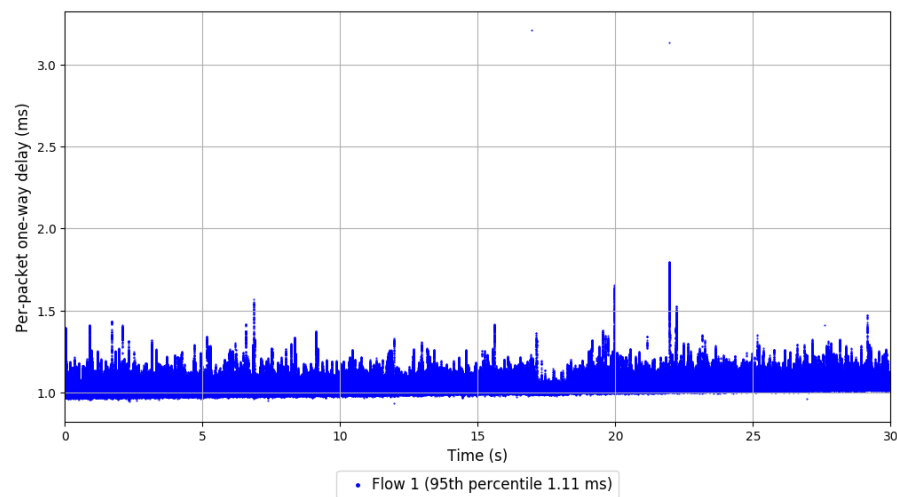
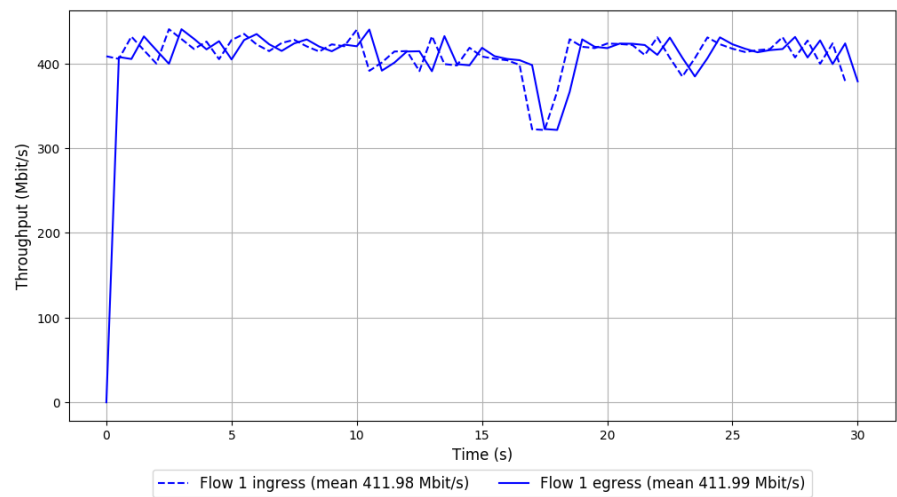
-- Flow 1:

Average throughput: 411.99 Mbit/s

95th percentile per-packet one-way delay: 1.110 ms

Loss rate: 0.01%

Run 2: Report of Copa — Data Link



Run 3: Statistics of Copa

Start at: 2019-01-25 11:46:06

End at: 2019-01-25 11:46:36

Local clock offset: 4.634 ms

Remote clock offset: 1.243 ms

Below is generated by plot.py at 2019-01-25 13:24:52

Datalink statistics

-- Total of 1 flow:

Average throughput: 347.68 Mbit/s

95th percentile per-packet one-way delay: 0.963 ms

Loss rate: 0.01%

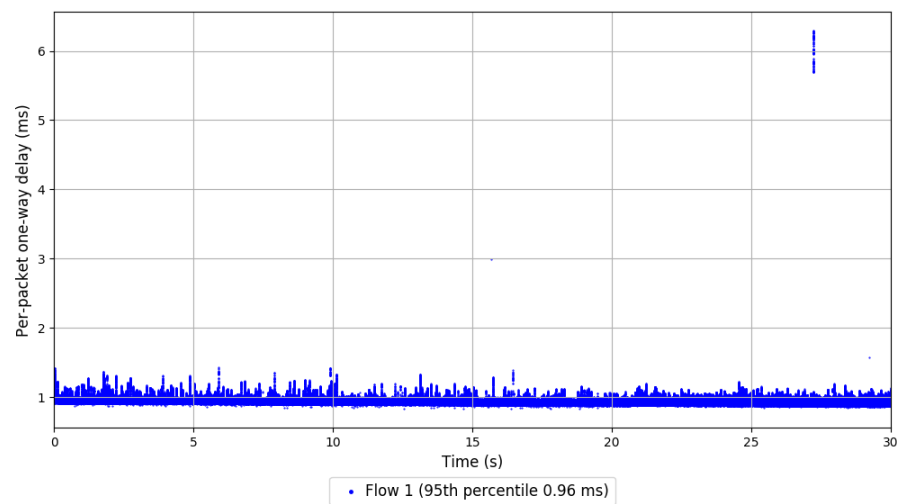
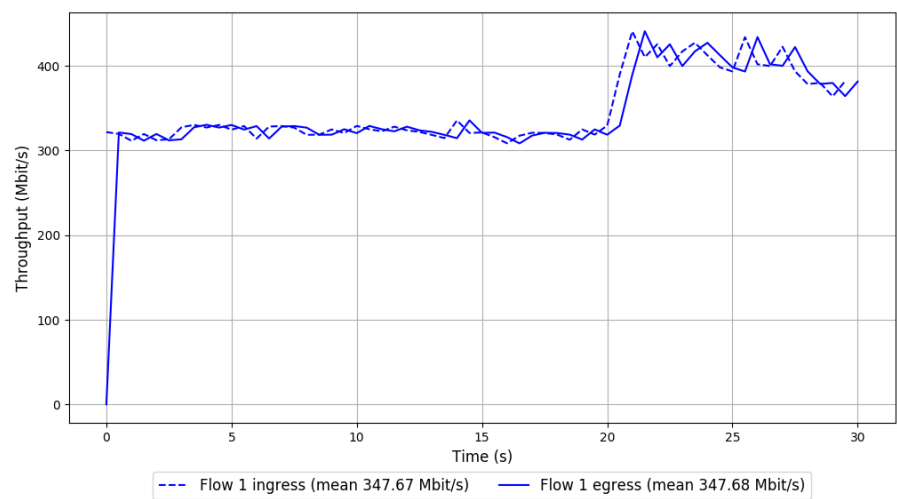
-- Flow 1:

Average throughput: 347.68 Mbit/s

95th percentile per-packet one-way delay: 0.963 ms

Loss rate: 0.01%

Run 3: Report of Copa — Data Link

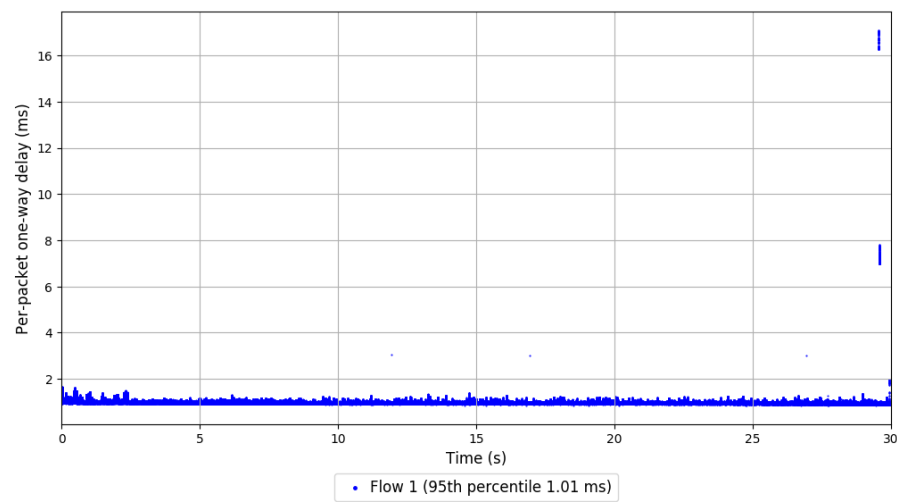
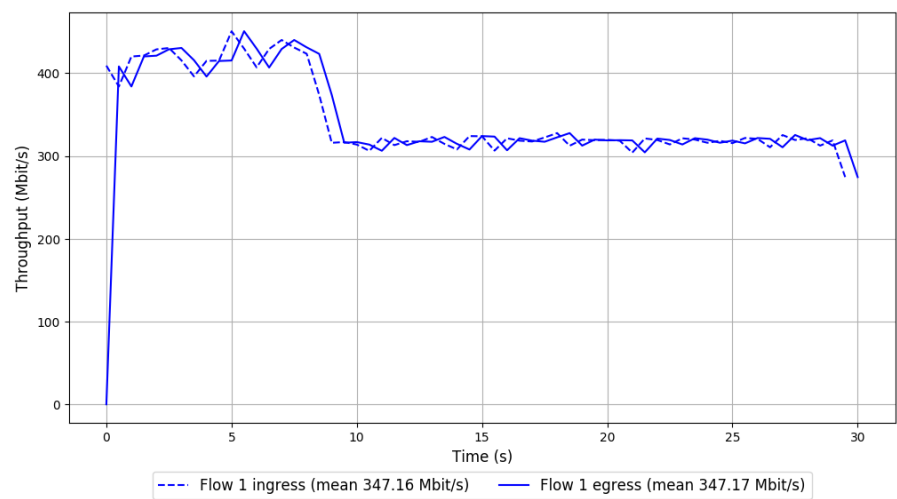


Run 4: Statistics of Copa

Start at: 2019-01-25 12:15:39
End at: 2019-01-25 12:16:09
Local clock offset: 3.06 ms
Remote clock offset: -2.594 ms

Below is generated by plot.py at 2019-01-25 13:31:31
Datalink statistics
-- Total of 1 flow:
Average throughput: 347.17 Mbit/s
95th percentile per-packet one-way delay: 1.008 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 347.17 Mbit/s
95th percentile per-packet one-way delay: 1.008 ms
Loss rate: 0.00%

Run 4: Report of Copa — Data Link

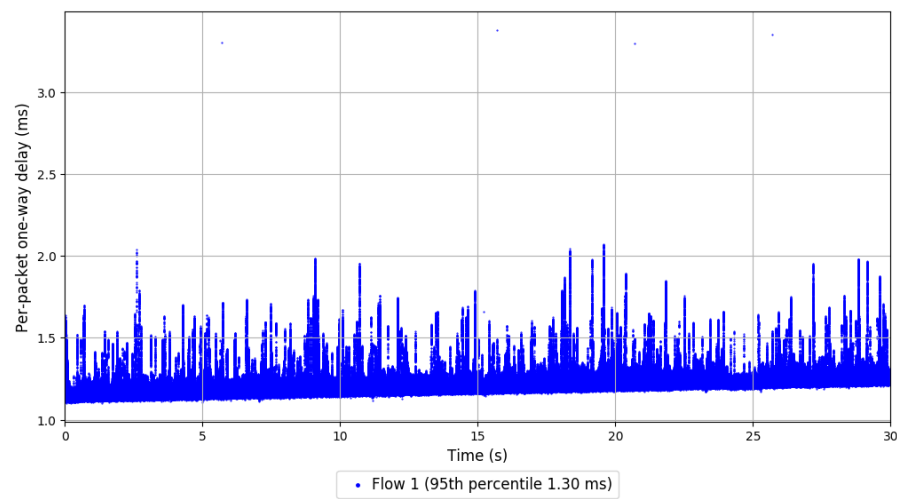
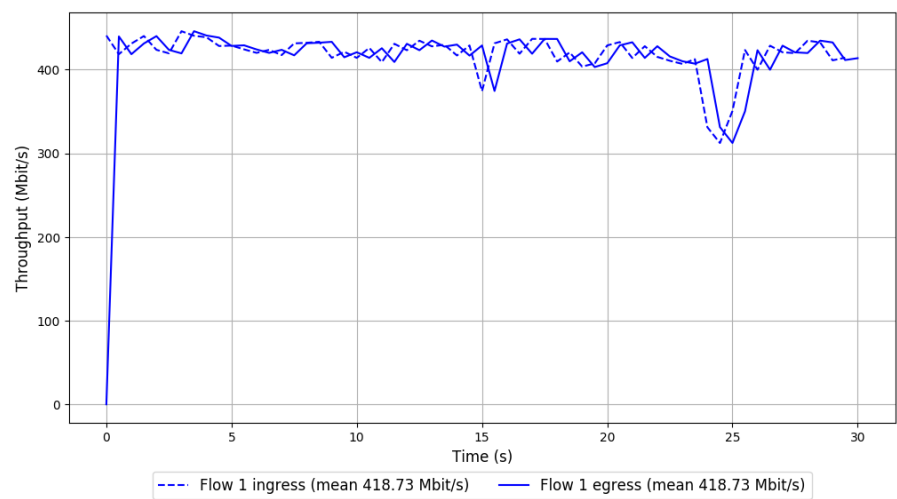


Run 5: Statistics of Copa

Start at: 2019-01-25 12:45:23
End at: 2019-01-25 12:45:53
Local clock offset: -3.239 ms
Remote clock offset: -3.524 ms

Below is generated by plot.py at 2019-01-25 13:32:47
Datalink statistics
-- Total of 1 flow:
Average throughput: 418.73 Mbit/s
95th percentile per-packet one-way delay: 1.299 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 418.73 Mbit/s
95th percentile per-packet one-way delay: 1.299 ms
Loss rate: 0.01%

Run 5: Report of Copa — Data Link



Run 1: Statistics of TCP Cubic

Start at: 2019-01-25 11:06:50

End at: 2019-01-25 11:07:20

Local clock offset: 1.996 ms

Remote clock offset: 2.974 ms

Below is generated by plot.py at 2019-01-25 13:33:11

Datalink statistics

-- Total of 1 flow:

Average throughput: 842.27 Mbit/s

95th percentile per-packet one-way delay: 12.801 ms

Loss rate: 0.03%

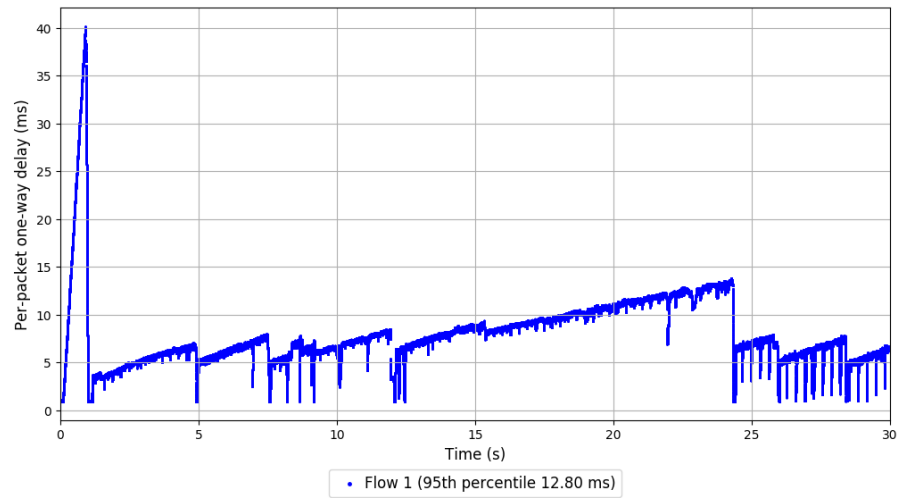
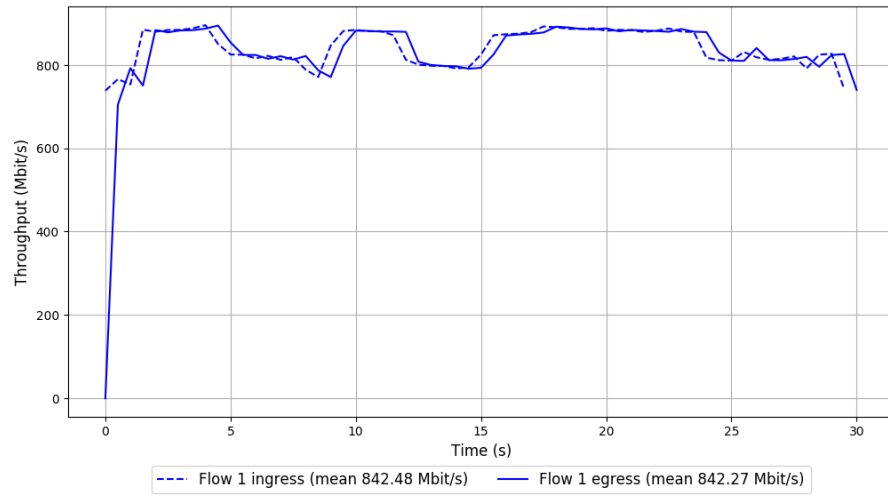
-- Flow 1:

Average throughput: 842.27 Mbit/s

95th percentile per-packet one-way delay: 12.801 ms

Loss rate: 0.03%

Run 1: Report of TCP Cubic — Data Link



Run 2: Statistics of TCP Cubic

Start at: 2019-01-25 11:36:26

End at: 2019-01-25 11:36:56

Local clock offset: 4.23 ms

Remote clock offset: 2.886 ms

Below is generated by plot.py at 2019-01-25 13:33:11

Datalink statistics

-- Total of 1 flow:

Average throughput: 766.37 Mbit/s

95th percentile per-packet one-way delay: 15.419 ms

Loss rate: 0.04%

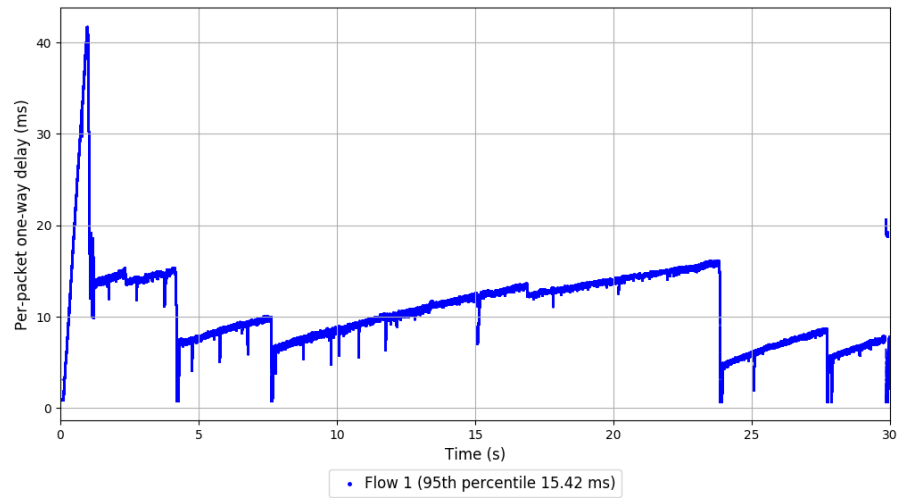
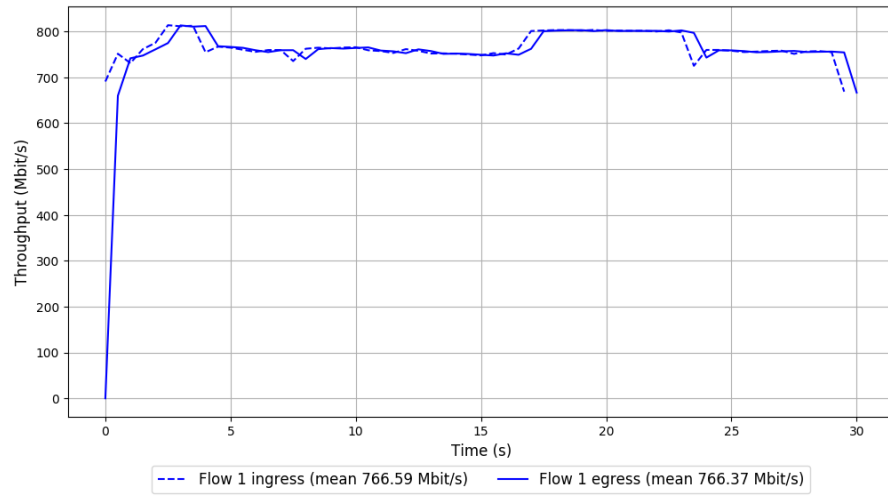
-- Flow 1:

Average throughput: 766.37 Mbit/s

95th percentile per-packet one-way delay: 15.419 ms

Loss rate: 0.04%

Run 2: Report of TCP Cubic — Data Link

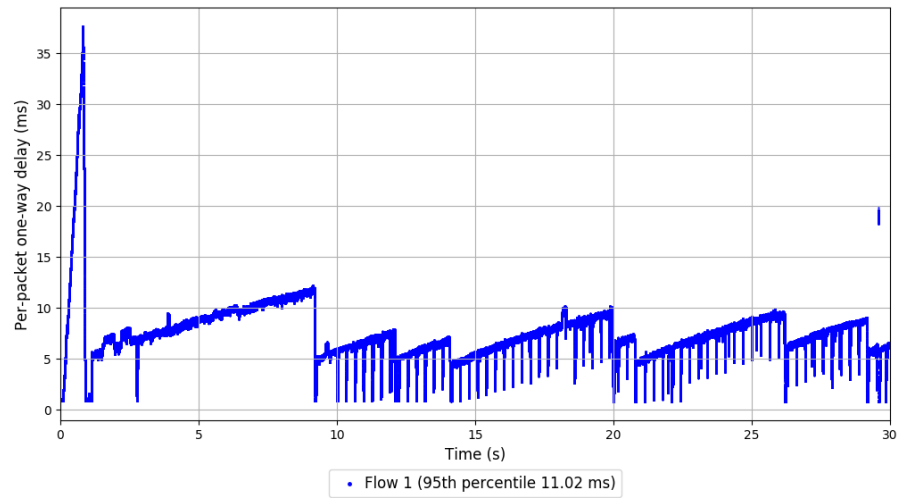
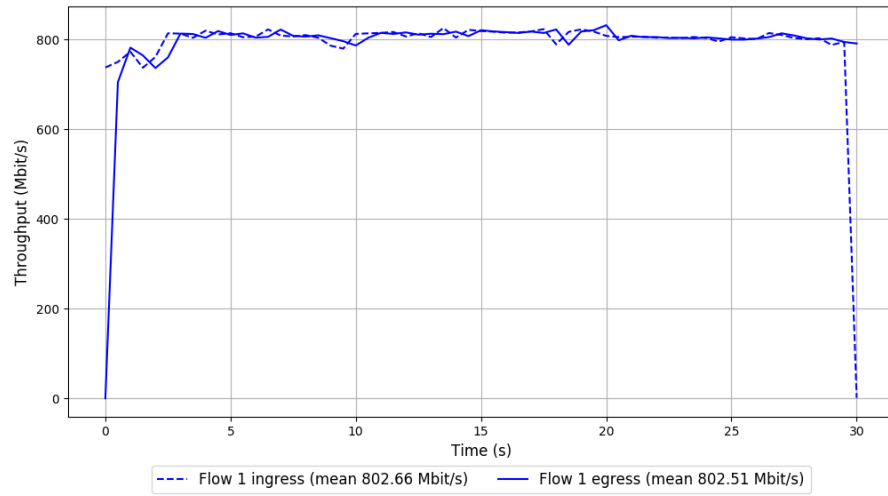


Run 3: Statistics of TCP Cubic

Start at: 2019-01-25 12:05:59
End at: 2019-01-25 12:06:29
Local clock offset: 3.887 ms
Remote clock offset: -0.415 ms

Below is generated by plot.py at 2019-01-25 13:33:11
Datalink statistics
-- Total of 1 flow:
Average throughput: 802.51 Mbit/s
95th percentile per-packet one-way delay: 11.018 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 802.51 Mbit/s
95th percentile per-packet one-way delay: 11.018 ms
Loss rate: 0.03%

Run 3: Report of TCP Cubic — Data Link

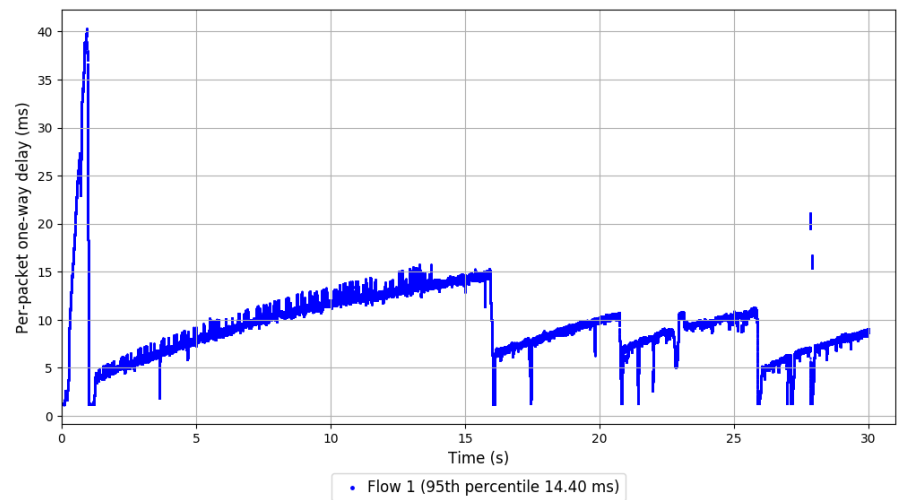
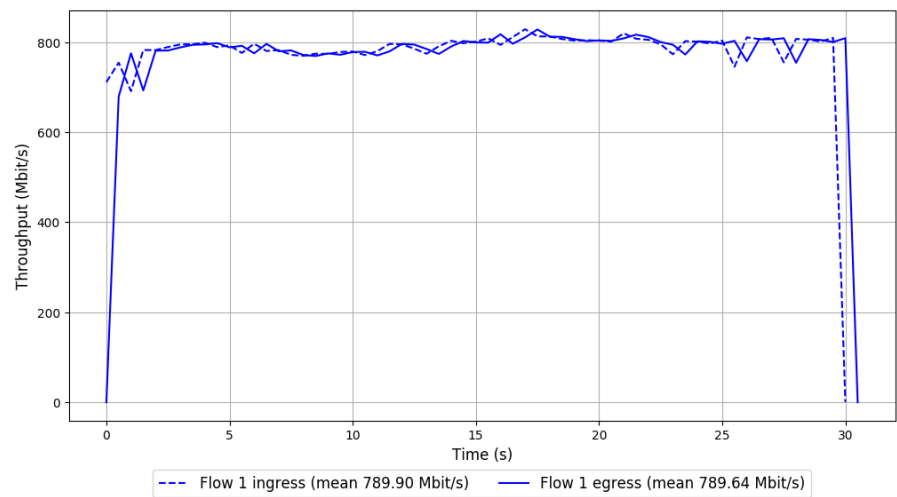


Run 4: Statistics of TCP Cubic

Start at: 2019-01-25 12:35:45
End at: 2019-01-25 12:36:15
Local clock offset: -0.655 ms
Remote clock offset: -4.013 ms

Below is generated by plot.py at 2019-01-25 13:33:11
Datalink statistics
-- Total of 1 flow:
Average throughput: 789.64 Mbit/s
95th percentile per-packet one-way delay: 14.402 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 789.64 Mbit/s
95th percentile per-packet one-way delay: 14.402 ms
Loss rate: 0.04%

Run 4: Report of TCP Cubic — Data Link

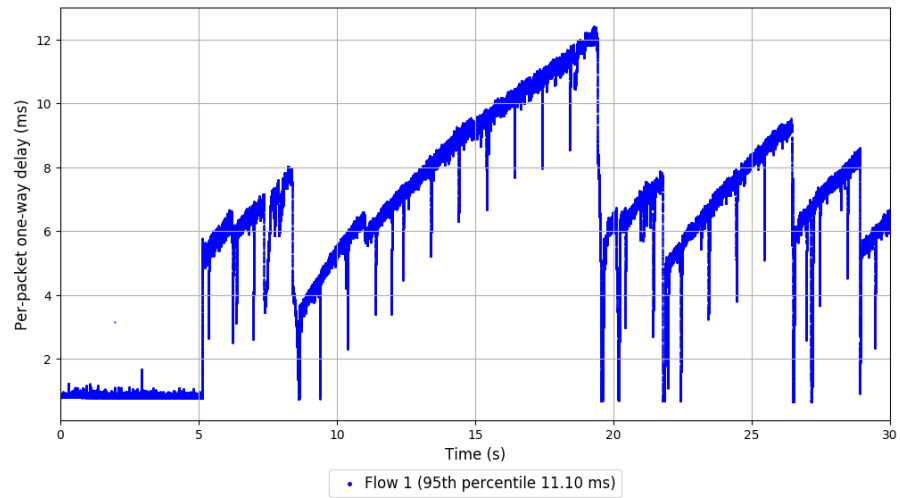
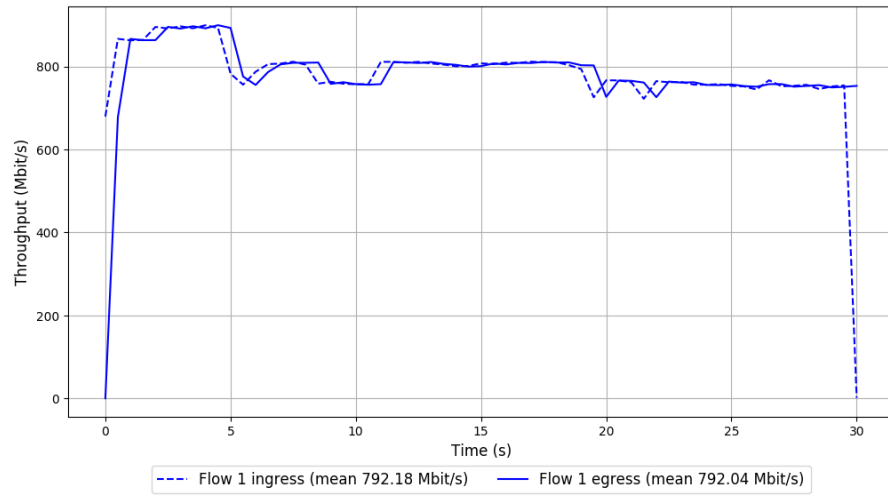


Run 5: Statistics of TCP Cubic

Start at: 2019-01-25 13:05:13
End at: 2019-01-25 13:05:43
Local clock offset: -2.669 ms
Remote clock offset: -3.553 ms

Below is generated by plot.py at 2019-01-25 13:33:11
Datalink statistics
-- Total of 1 flow:
Average throughput: 792.04 Mbit/s
95th percentile per-packet one-way delay: 11.098 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 792.04 Mbit/s
95th percentile per-packet one-way delay: 11.098 ms
Loss rate: 0.02%

Run 5: Report of TCP Cubic — Data Link

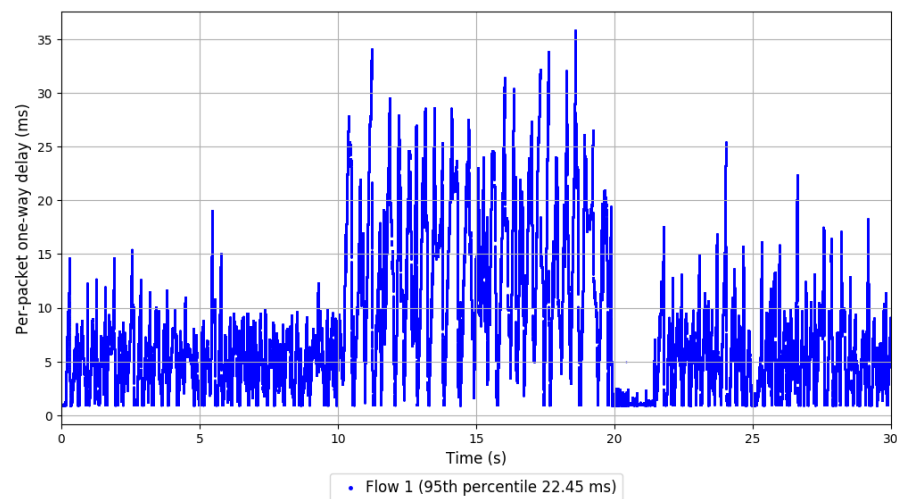
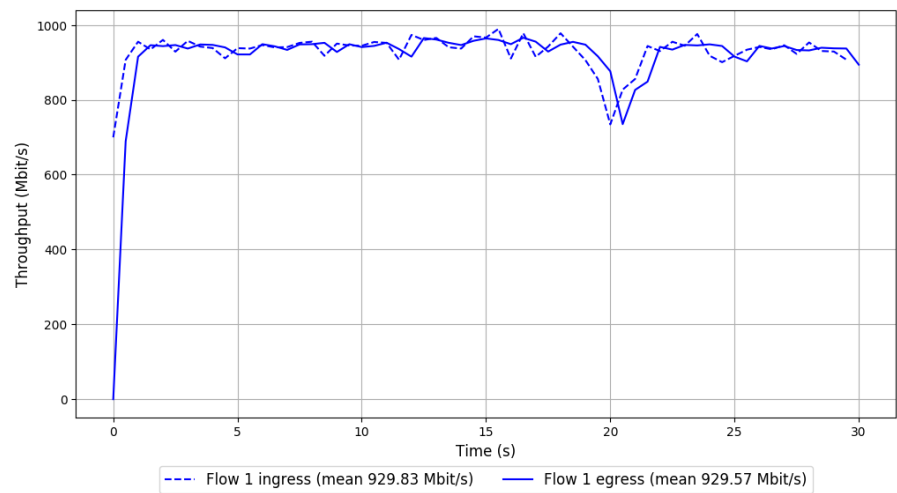


Run 1: Statistics of FillP

Start at: 2019-01-25 10:45:28
End at: 2019-01-25 10:45:58
Local clock offset: 0.112 ms
Remote clock offset: -3.089 ms

Below is generated by plot.py at 2019-01-25 13:36:46
Datalink statistics
-- Total of 1 flow:
Average throughput: 929.57 Mbit/s
95th percentile per-packet one-way delay: 22.450 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 929.57 Mbit/s
95th percentile per-packet one-way delay: 22.450 ms
Loss rate: 0.03%

Run 1: Report of FillP — Data Link



Run 2: Statistics of FillP

Start at: 2019-01-25 11:14:53

End at: 2019-01-25 11:15:23

Local clock offset: 3.017 ms

Remote clock offset: 4.758 ms

Below is generated by plot.py at 2019-01-25 13:44:05

Datalink statistics

-- Total of 1 flow:

Average throughput: 946.04 Mbit/s

95th percentile per-packet one-way delay: 8.190 ms

Loss rate: 0.01%

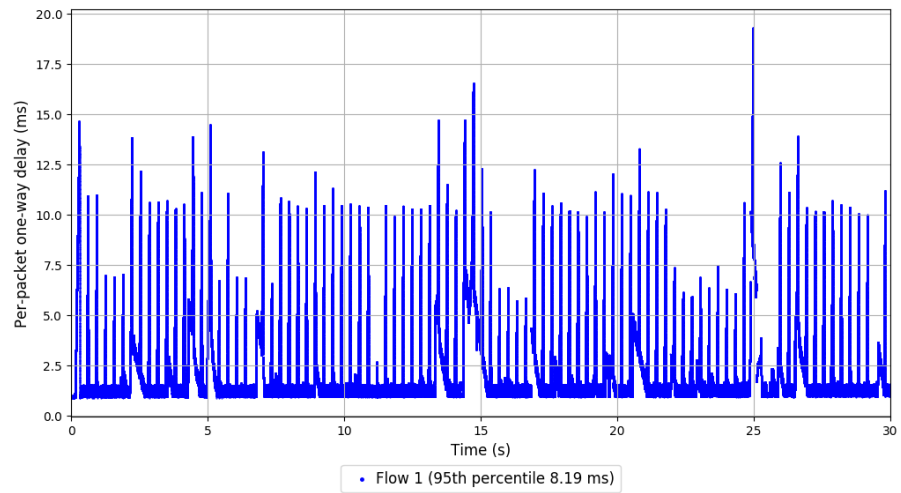
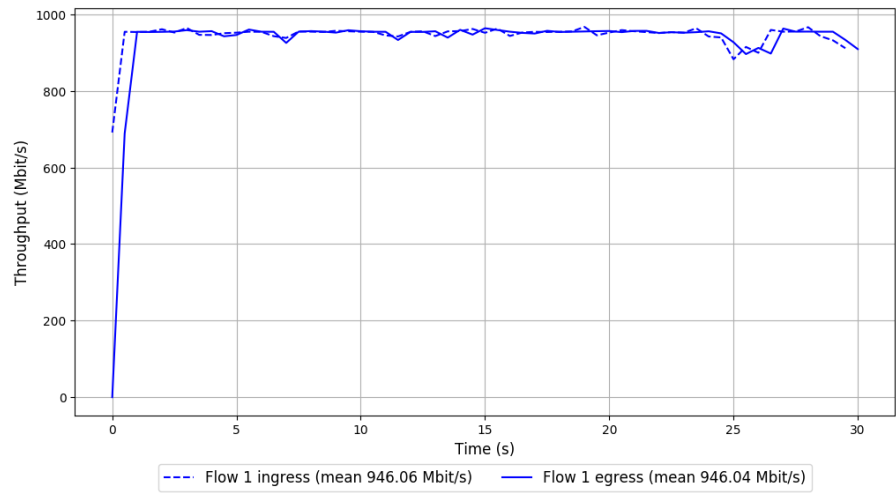
-- Flow 1:

Average throughput: 946.04 Mbit/s

95th percentile per-packet one-way delay: 8.190 ms

Loss rate: 0.01%

Run 2: Report of FillP — Data Link



Run 3: Statistics of FillP

Start at: 2019-01-25 11:44:28

End at: 2019-01-25 11:44:58

Local clock offset: 4.558 ms

Remote clock offset: 1.4 ms

Below is generated by plot.py at 2019-01-25 13:44:57

Datalink statistics

-- Total of 1 flow:

Average throughput: 943.86 Mbit/s

95th percentile per-packet one-way delay: 7.847 ms

Loss rate: 0.01%

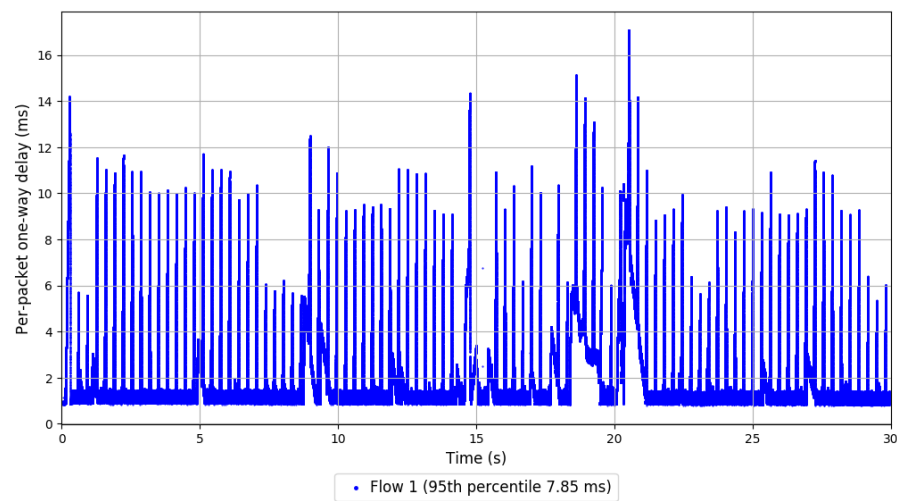
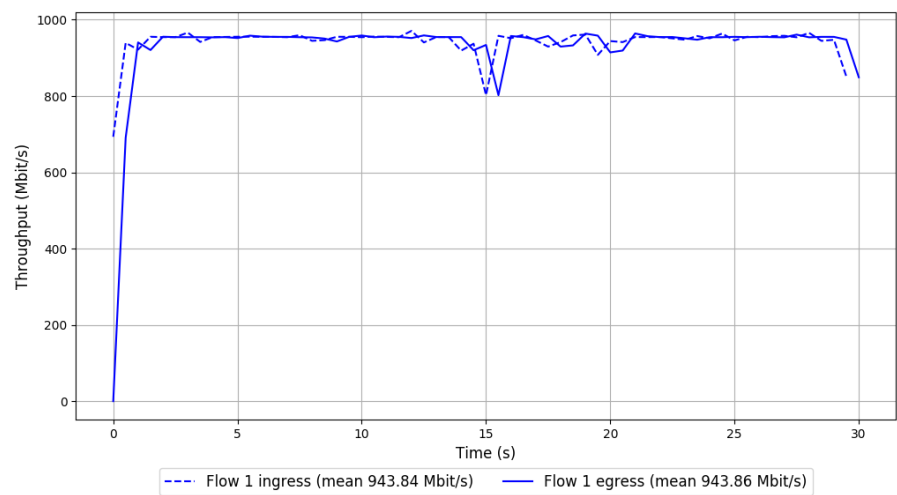
-- Flow 1:

Average throughput: 943.86 Mbit/s

95th percentile per-packet one-way delay: 7.847 ms

Loss rate: 0.01%

Run 3: Report of FillP — Data Link

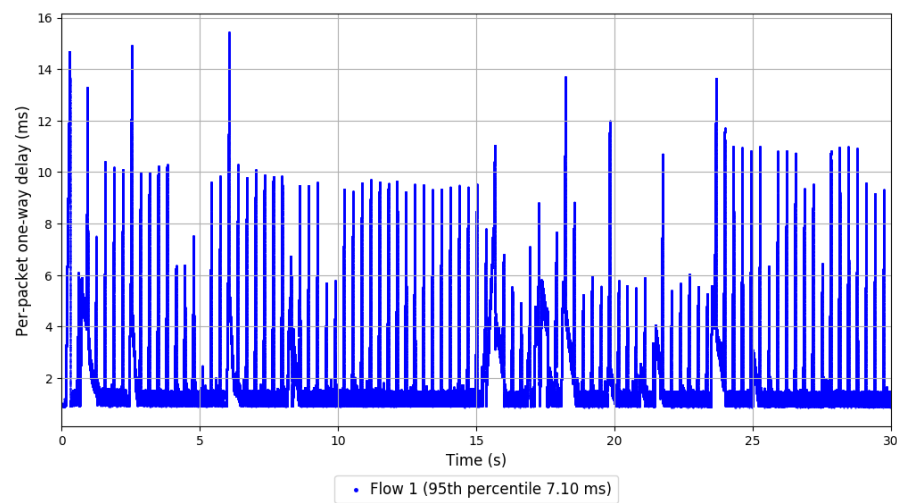
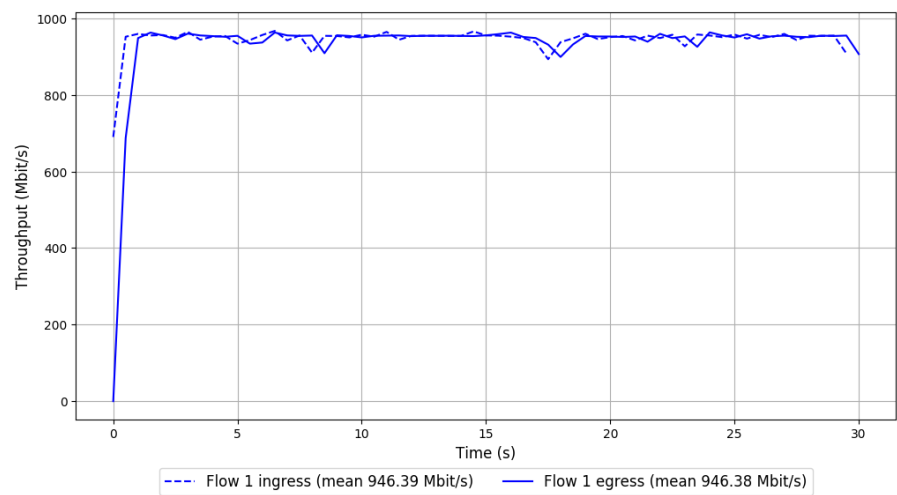


Run 4: Statistics of FillP

Start at: 2019-01-25 12:14:00
End at: 2019-01-25 12:14:30
Local clock offset: 3.143 ms
Remote clock offset: -2.384 ms

Below is generated by plot.py at 2019-01-25 13:45:10
Datalink statistics
-- Total of 1 flow:
Average throughput: 946.38 Mbit/s
95th percentile per-packet one-way delay: 7.098 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 946.38 Mbit/s
95th percentile per-packet one-way delay: 7.098 ms
Loss rate: 0.01%

Run 4: Report of FillP — Data Link

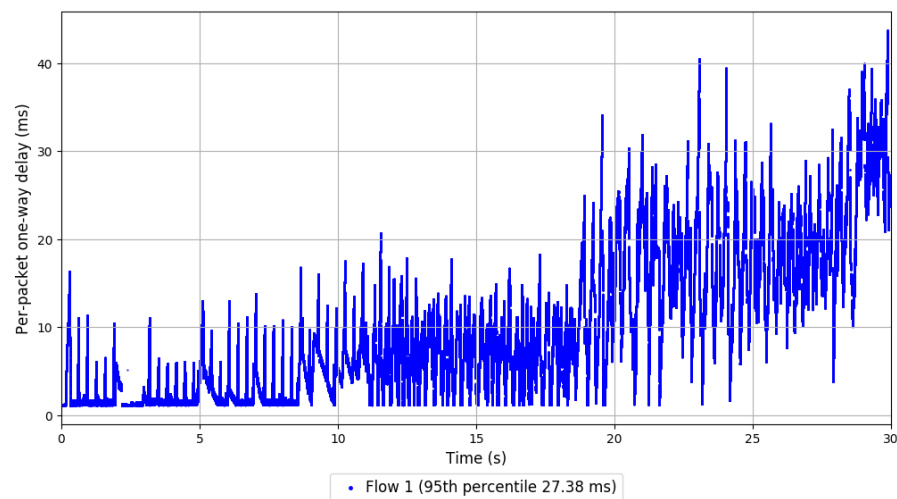
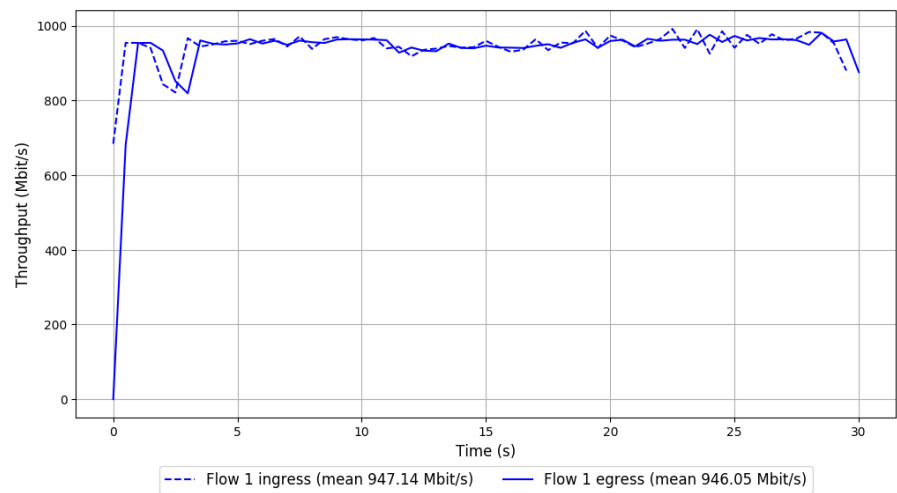


Run 5: Statistics of FillP

Start at: 2019-01-25 12:43:46
End at: 2019-01-25 12:44:16
Local clock offset: -2.918 ms
Remote clock offset: -3.573 ms

Below is generated by plot.py at 2019-01-25 13:45:24
Datalink statistics
-- Total of 1 flow:
Average throughput: 946.05 Mbit/s
95th percentile per-packet one-way delay: 27.376 ms
Loss rate: 0.12%
-- Flow 1:
Average throughput: 946.05 Mbit/s
95th percentile per-packet one-way delay: 27.376 ms
Loss rate: 0.12%

Run 5: Report of FillP — Data Link

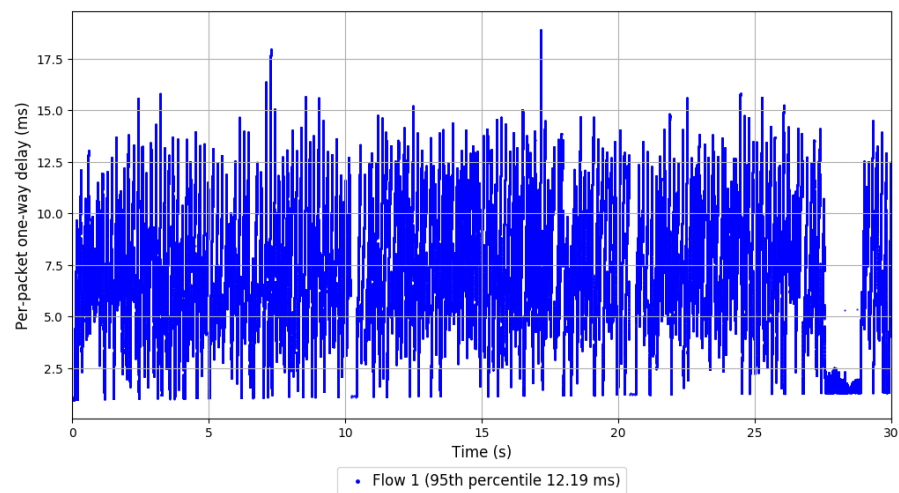
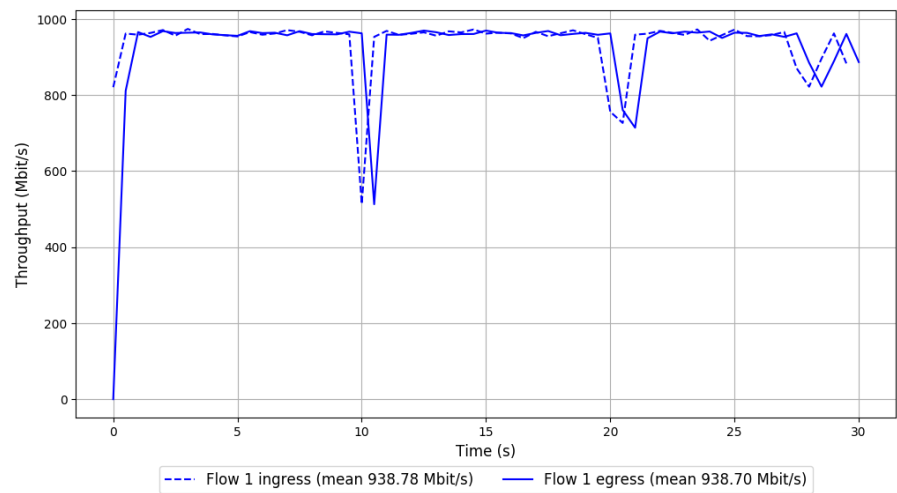


Run 1: Statistics of FillP-Sheep

Start at: 2019-01-25 10:55:50
End at: 2019-01-25 10:56:20
Local clock offset: 0.159 ms
Remote clock offset: -1.859 ms

Below is generated by plot.py at 2019-01-25 13:45:24
Datalink statistics
-- Total of 1 flow:
Average throughput: 938.70 Mbit/s
95th percentile per-packet one-way delay: 12.192 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 938.70 Mbit/s
95th percentile per-packet one-way delay: 12.192 ms
Loss rate: 0.01%

Run 1: Report of FillP-Sheep — Data Link



Run 2: Statistics of FillP-Sheep

Start at: 2019-01-25 11:25:23

End at: 2019-01-25 11:25:53

Local clock offset: 3.716 ms

Remote clock offset: 6.481 ms

Below is generated by plot.py at 2019-01-25 13:45:24

Datalink statistics

-- Total of 1 flow:

Average throughput: 931.65 Mbit/s

95th percentile per-packet one-way delay: 4.921 ms

Loss rate: 0.04%

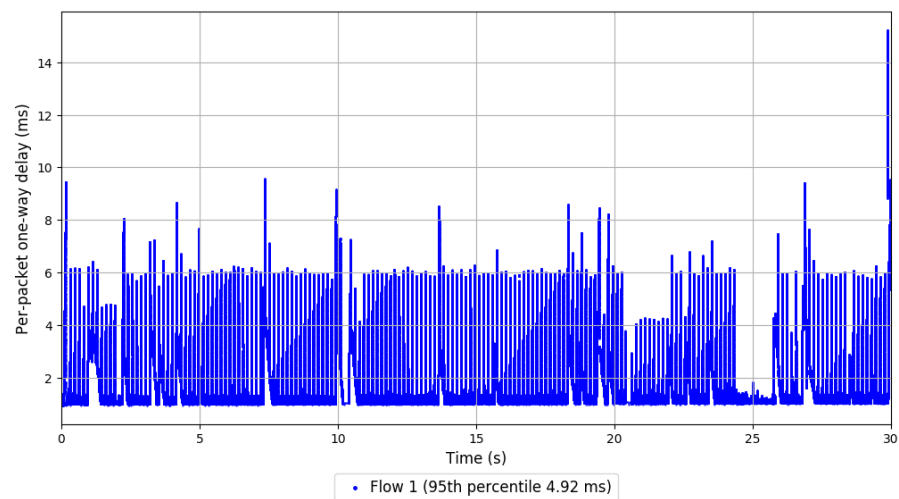
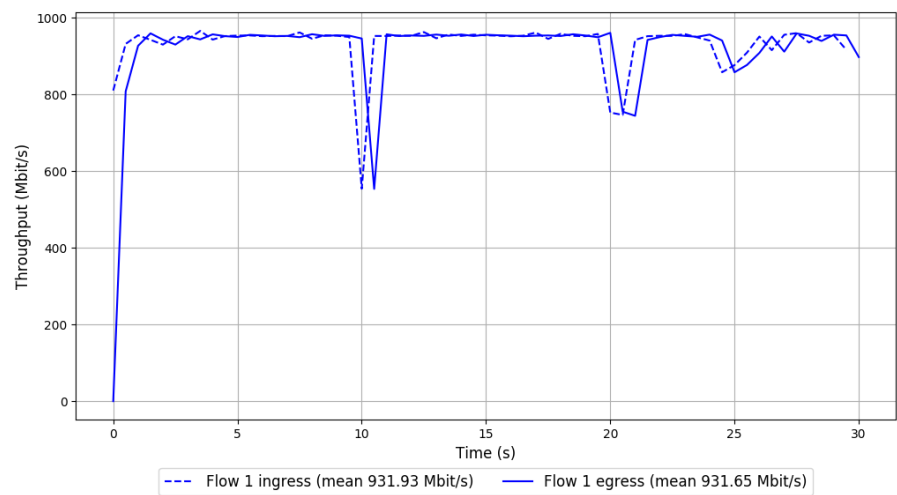
-- Flow 1:

Average throughput: 931.65 Mbit/s

95th percentile per-packet one-way delay: 4.921 ms

Loss rate: 0.04%

Run 2: Report of FillP-Sheep — Data Link

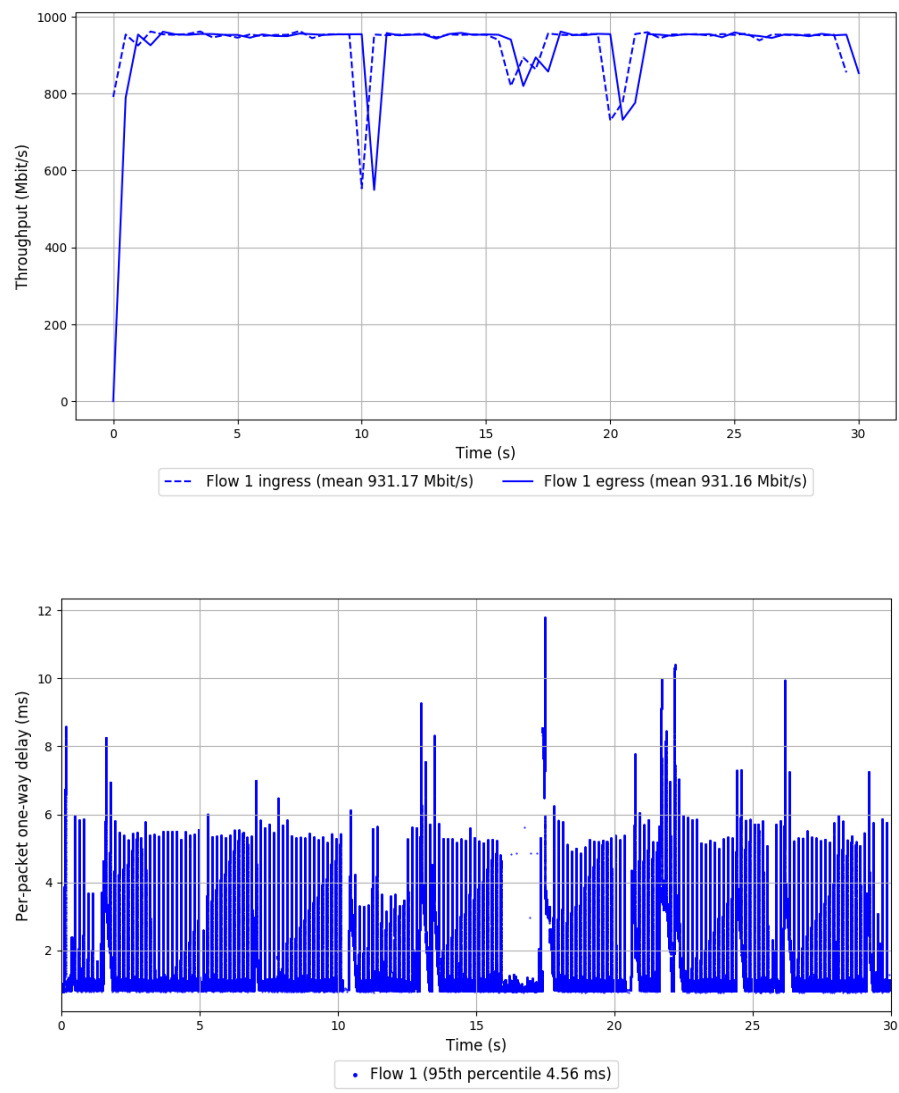


Run 3: Statistics of FillP-Sheep

Start at: 2019-01-25 11:54:31
End at: 2019-01-25 11:55:01
Local clock offset: 4.952 ms
Remote clock offset: 1.01 ms

Below is generated by plot.py at 2019-01-25 13:45:24
Datalink statistics
-- Total of 1 flow:
Average throughput: 931.16 Mbit/s
95th percentile per-packet one-way delay: 4.556 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 931.16 Mbit/s
95th percentile per-packet one-way delay: 4.556 ms
Loss rate: 0.01%

Run 3: Report of FillP-Sheep — Data Link

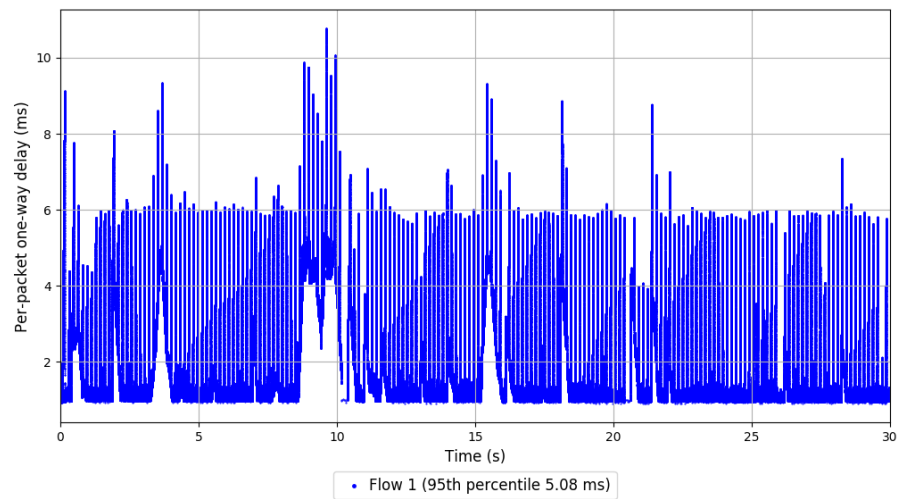
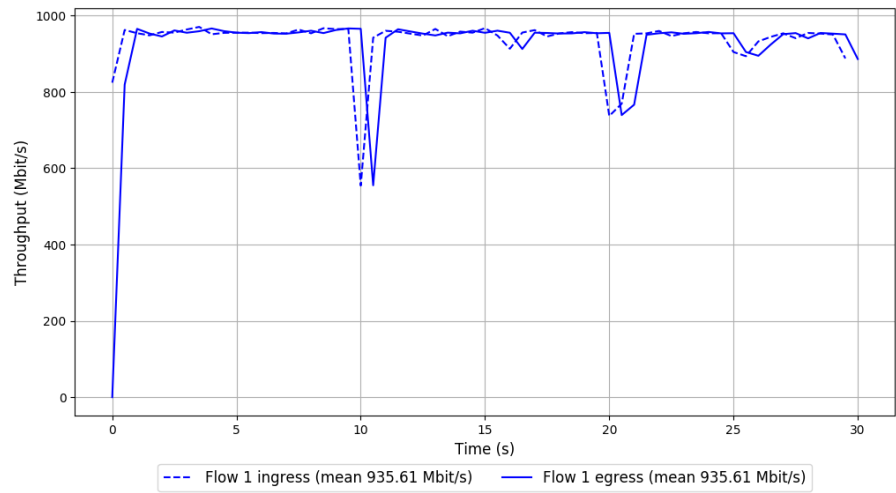


Run 4: Statistics of FillP-Sheep

Start at: 2019-01-25 12:24:22
End at: 2019-01-25 12:24:52
Local clock offset: 2.79 ms
Remote clock offset: -3.422 ms

Below is generated by plot.py at 2019-01-25 13:50:49
Datalink statistics
-- Total of 1 flow:
Average throughput: 935.61 Mbit/s
95th percentile per-packet one-way delay: 5.079 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 935.61 Mbit/s
95th percentile per-packet one-way delay: 5.079 ms
Loss rate: 0.01%

Run 4: Report of FillP-Sheep — Data Link

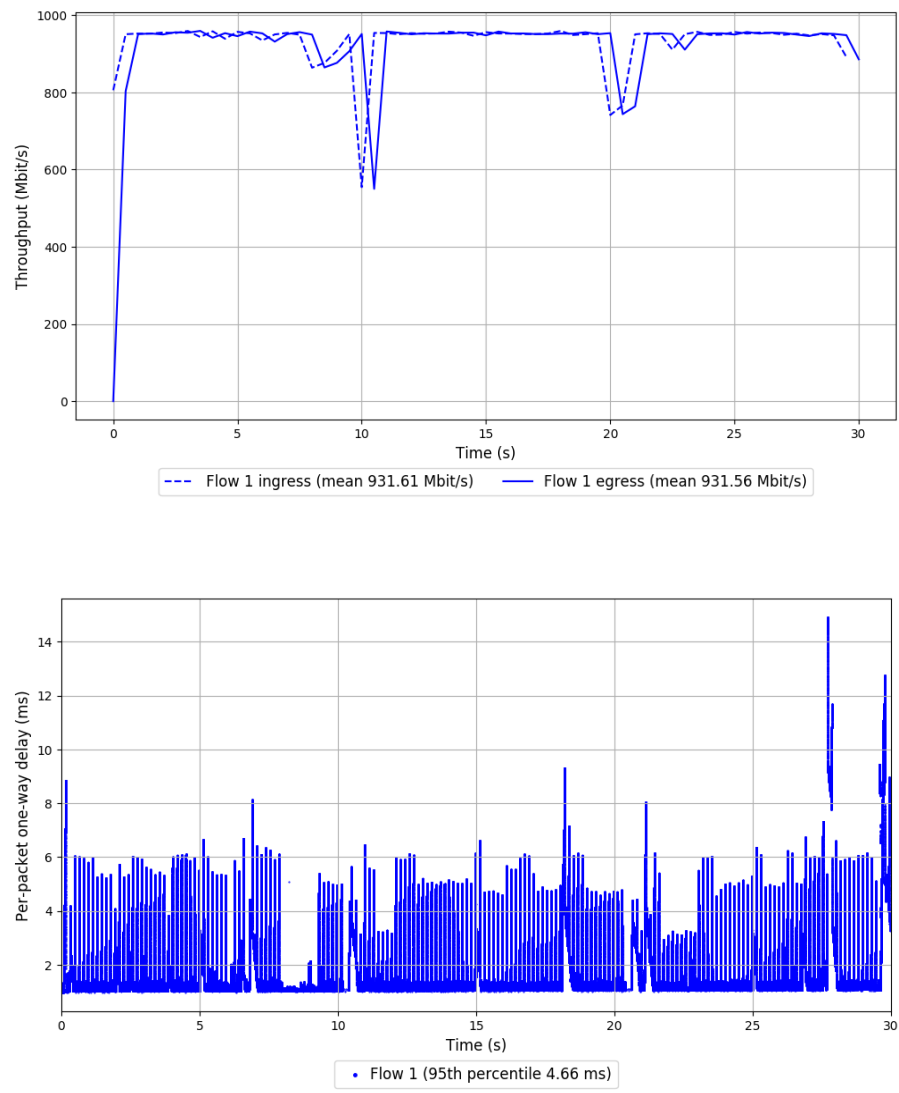


Run 5: Statistics of FillP-Sheep

Start at: 2019-01-25 12:54:09
End at: 2019-01-25 12:54:39
Local clock offset: -4.574 ms
Remote clock offset: -3.422 ms

Below is generated by plot.py at 2019-01-25 13:56:26
Datalink statistics
-- Total of 1 flow:
Average throughput: 931.56 Mbit/s
95th percentile per-packet one-way delay: 4.658 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 931.56 Mbit/s
95th percentile per-packet one-way delay: 4.658 ms
Loss rate: 0.01%

Run 5: Report of FillP-Sheep — Data Link



Run 1: Statistics of Indigo

Start at: 2019-01-25 11:09:43

End at: 2019-01-25 11:10:13

Local clock offset: 2.414 ms

Remote clock offset: 3.668 ms

Below is generated by plot.py at 2019-01-25 13:56:26

Datalink statistics

-- Total of 1 flow:

Average throughput: 185.11 Mbit/s

95th percentile per-packet one-way delay: 1.012 ms

Loss rate: 0.01%

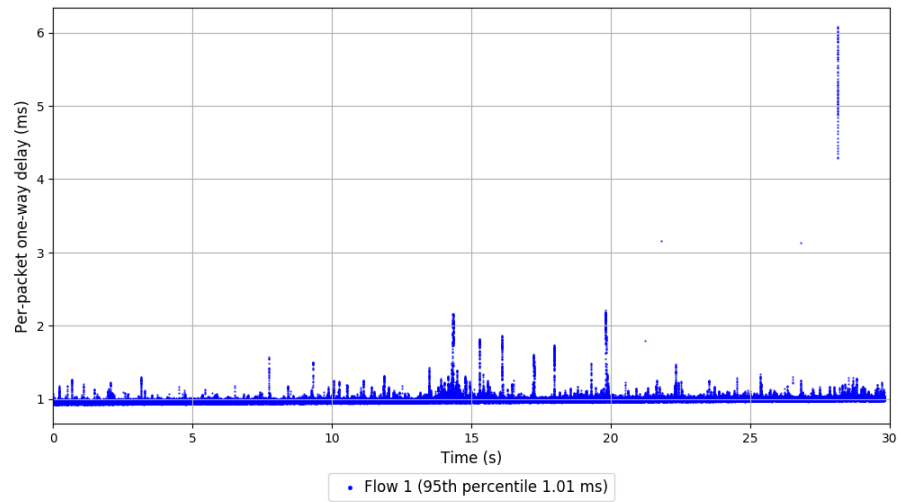
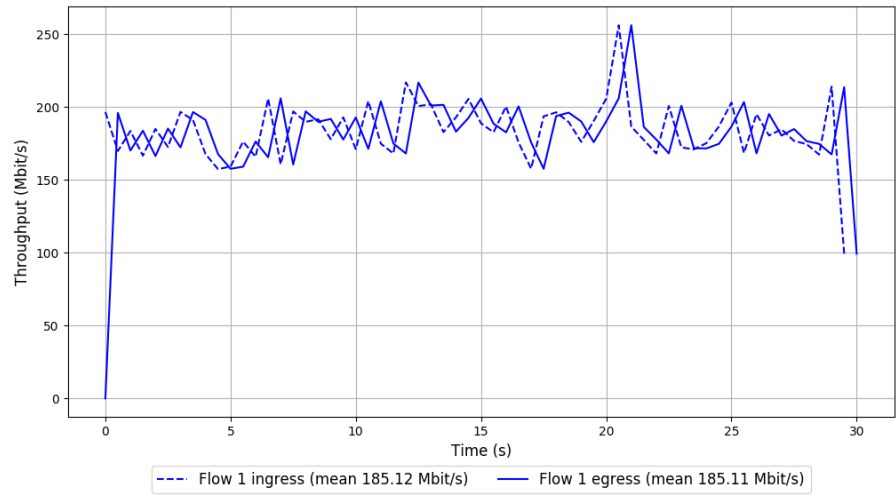
-- Flow 1:

Average throughput: 185.11 Mbit/s

95th percentile per-packet one-way delay: 1.012 ms

Loss rate: 0.01%

Run 1: Report of Indigo — Data Link



Run 2: Statistics of Indigo

Start at: 2019-01-25 11:39:16

End at: 2019-01-25 11:39:46

Local clock offset: 4.368 ms

Remote clock offset: 2.117 ms

Below is generated by plot.py at 2019-01-25 13:56:26

Datalink statistics

-- Total of 1 flow:

Average throughput: 185.85 Mbit/s

95th percentile per-packet one-way delay: 0.960 ms

Loss rate: 0.00%

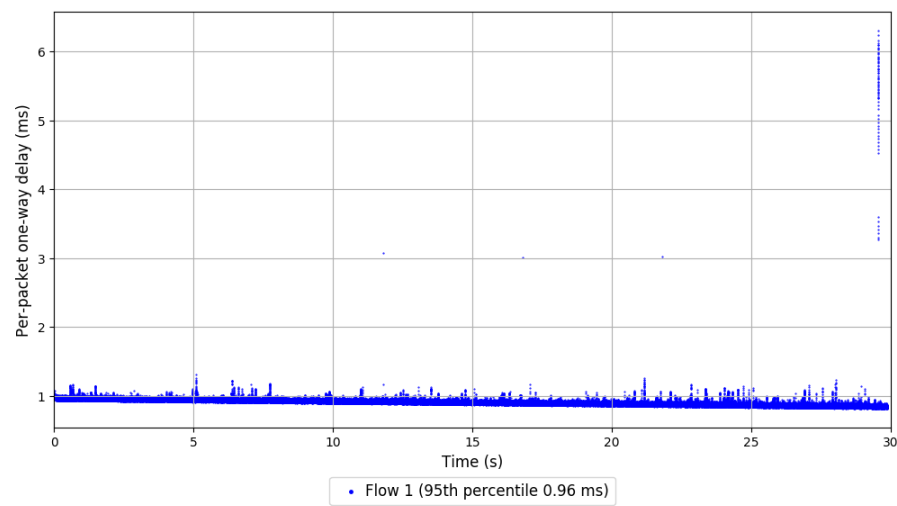
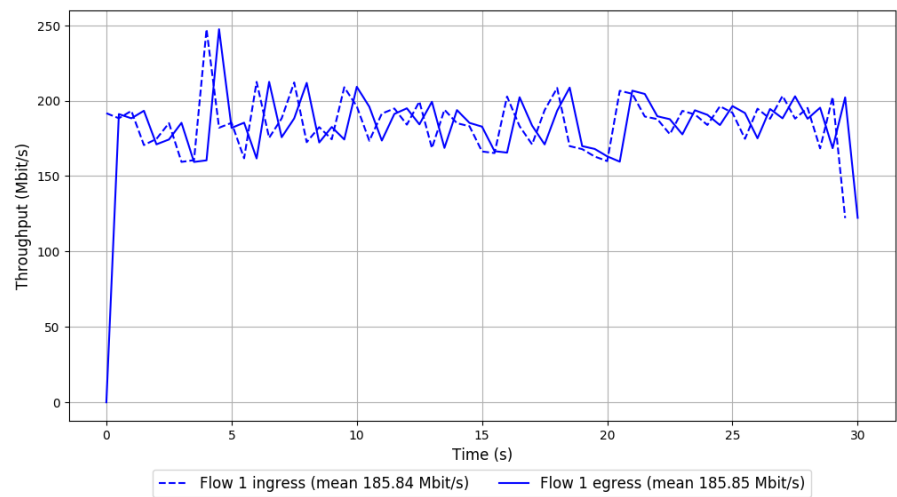
-- Flow 1:

Average throughput: 185.85 Mbit/s

95th percentile per-packet one-way delay: 0.960 ms

Loss rate: 0.00%

Run 2: Report of Indigo — Data Link

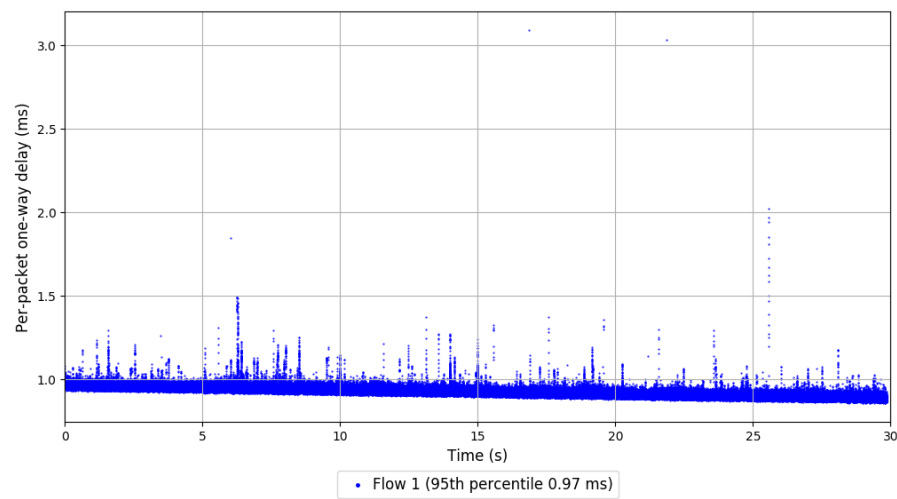
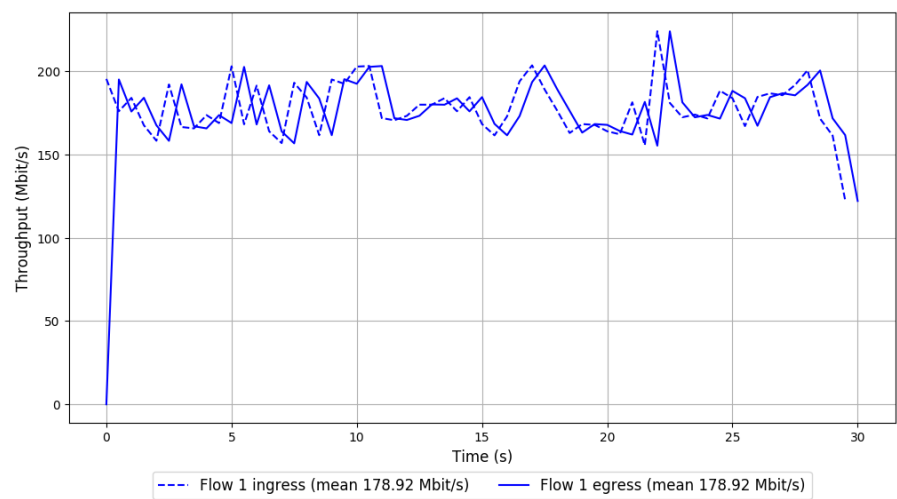


Run 3: Statistics of Indigo

Start at: 2019-01-25 12:08:50
End at: 2019-01-25 12:09:20
Local clock offset: 3.569 ms
Remote clock offset: -1.328 ms

Below is generated by plot.py at 2019-01-25 13:56:26
Datalink statistics
-- Total of 1 flow:
Average throughput: 178.92 Mbit/s
95th percentile per-packet one-way delay: 0.968 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 178.92 Mbit/s
95th percentile per-packet one-way delay: 0.968 ms
Loss rate: 0.00%

Run 3: Report of Indigo — Data Link

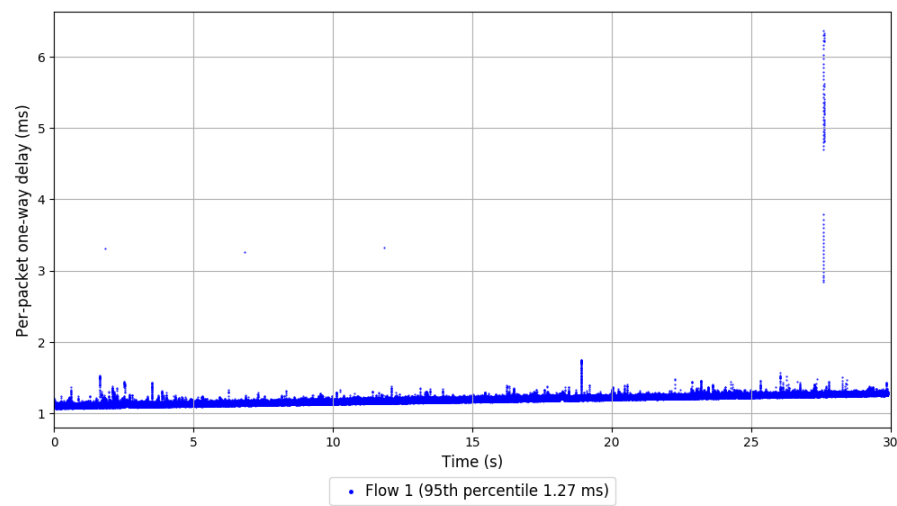
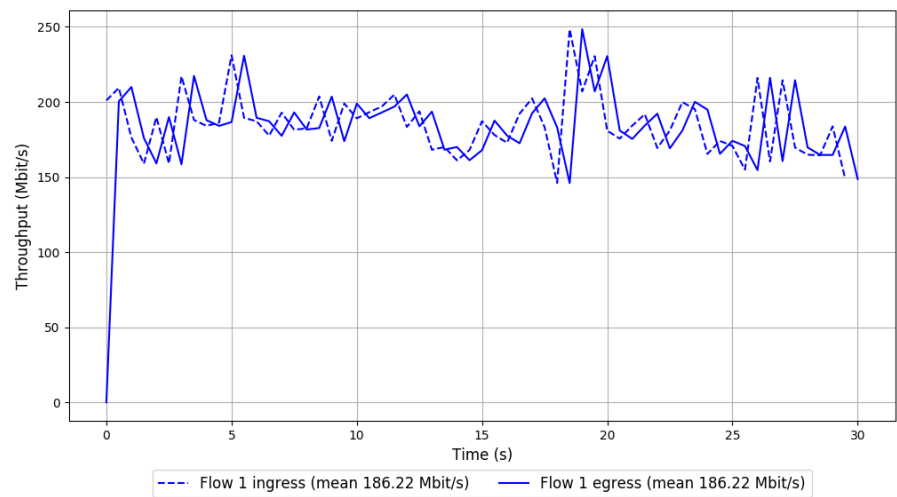


Run 4: Statistics of Indigo

Start at: 2019-01-25 12:38:35
End at: 2019-01-25 12:39:05
Local clock offset: -1.632 ms
Remote clock offset: -3.765 ms

Below is generated by plot.py at 2019-01-25 13:56:26
Datalink statistics
-- Total of 1 flow:
Average throughput: 186.22 Mbit/s
95th percentile per-packet one-way delay: 1.267 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 186.22 Mbit/s
95th percentile per-packet one-way delay: 1.267 ms
Loss rate: 0.01%

Run 4: Report of Indigo — Data Link

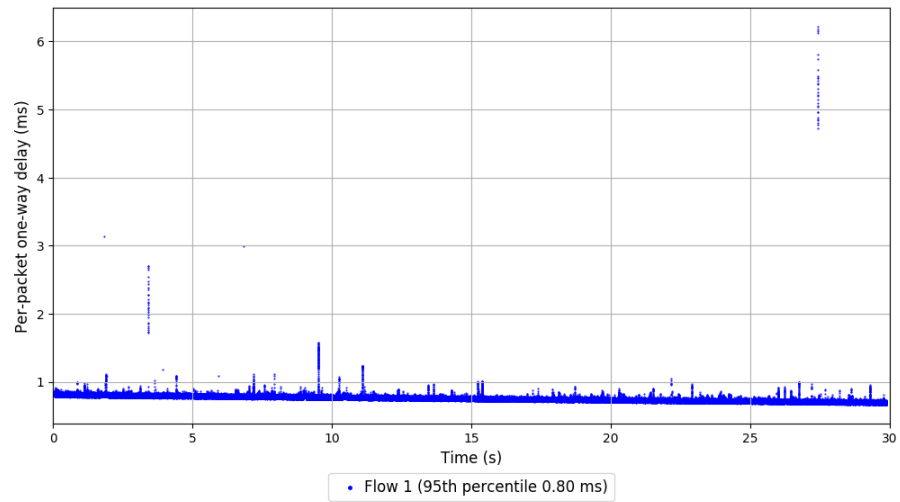
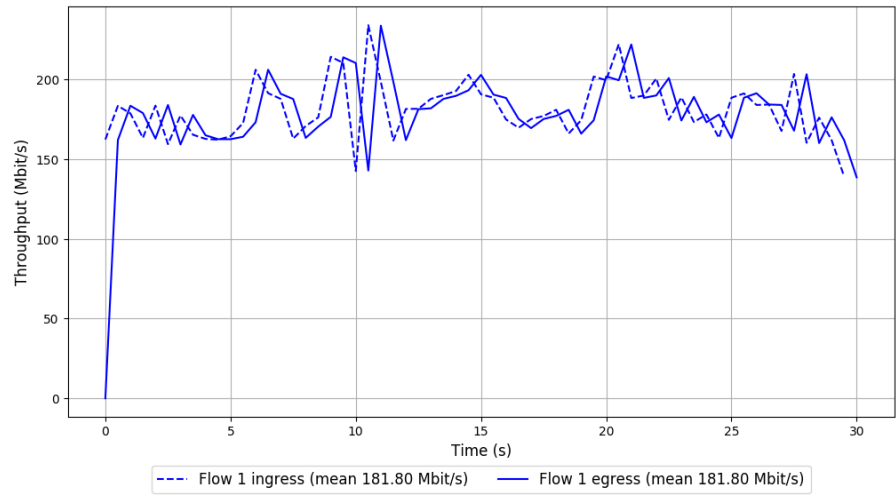


Run 5: Statistics of Indigo

Start at: 2019-01-25 13:08:04
End at: 2019-01-25 13:08:34
Local clock offset: -1.886 ms
Remote clock offset: -3.532 ms

Below is generated by plot.py at 2019-01-25 13:56:26
Datalink statistics
-- Total of 1 flow:
Average throughput: 181.80 Mbit/s
95th percentile per-packet one-way delay: 0.803 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 181.80 Mbit/s
95th percentile per-packet one-way delay: 0.803 ms
Loss rate: 0.01%

Run 5: Report of Indigo — Data Link



Run 1: Statistics of Indigo-MusesC3

Start at: 2019-01-25 10:41:38

End at: 2019-01-25 10:42:08

Local clock offset: 0.096 ms

Remote clock offset: -2.87 ms

Below is generated by plot.py at 2019-01-25 13:56:26

Datalink statistics

-- Total of 1 flow:

Average throughput: 213.68 Mbit/s

95th percentile per-packet one-way delay: 0.985 ms

Loss rate: 0.00%

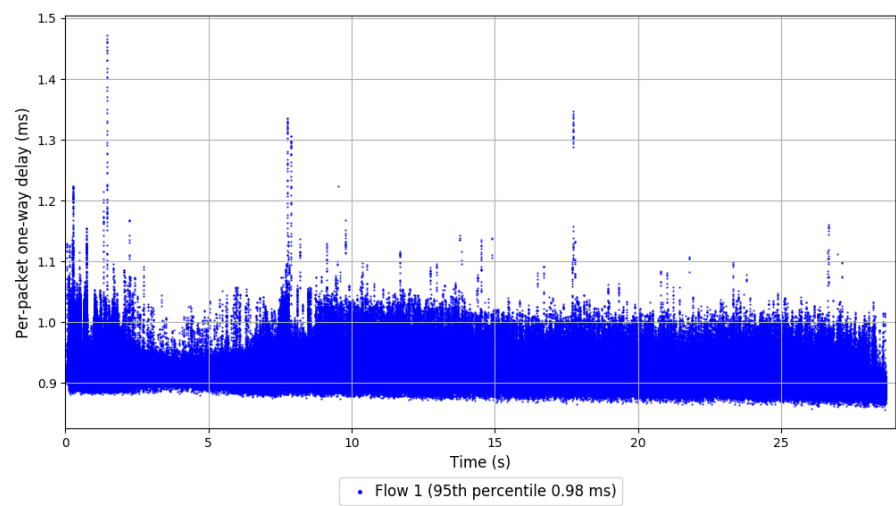
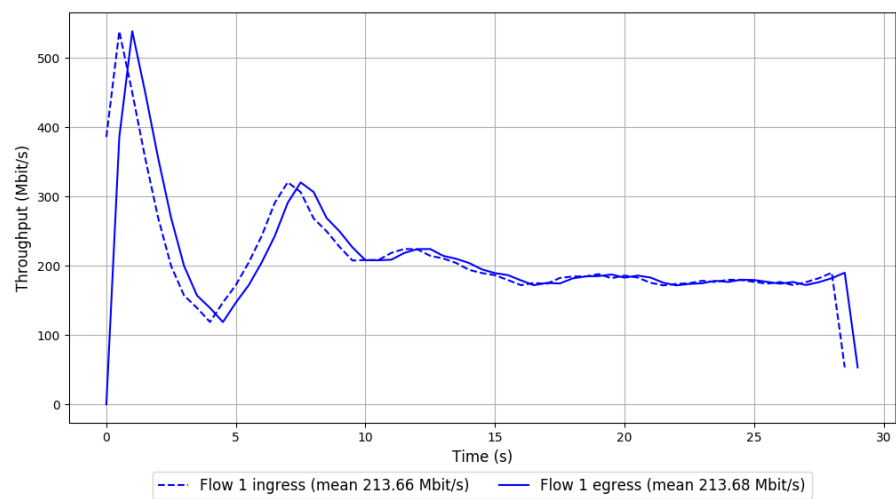
-- Flow 1:

Average throughput: 213.68 Mbit/s

95th percentile per-packet one-way delay: 0.985 ms

Loss rate: 0.00%

Run 1: Report of Indigo-MusesC3 — Data Link



Run 2: Statistics of Indigo-MusesC3

Start at: 2019-01-25 11:11:03

End at: 2019-01-25 11:11:33

Local clock offset: 2.602 ms

Remote clock offset: 4.048 ms

Below is generated by plot.py at 2019-01-25 13:56:26

Datalink statistics

-- Total of 1 flow:

Average throughput: 234.02 Mbit/s

95th percentile per-packet one-way delay: 0.995 ms

Loss rate: 0.01%

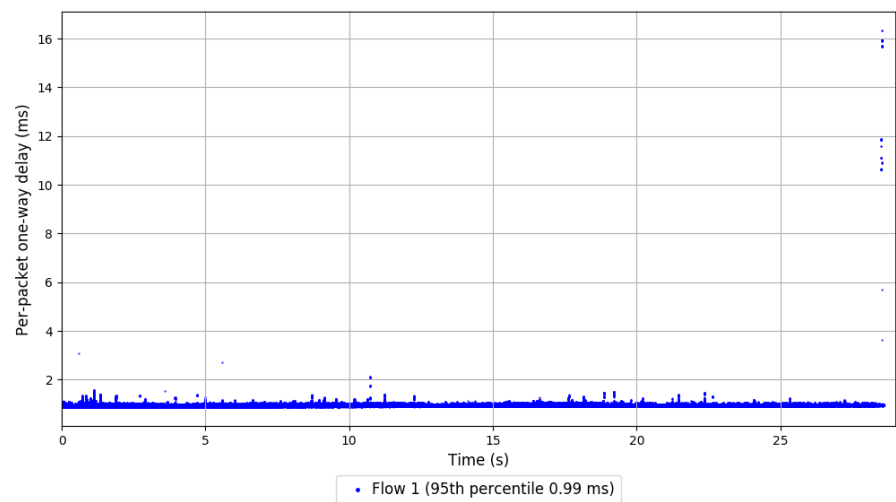
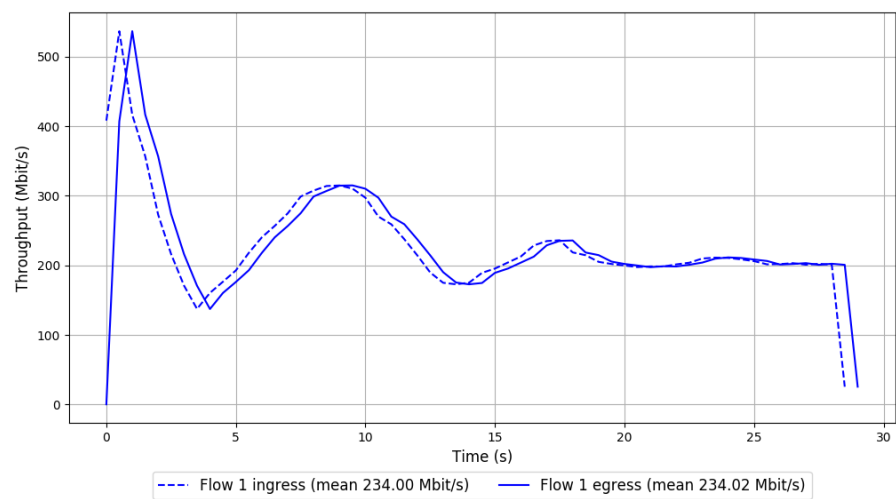
-- Flow 1:

Average throughput: 234.02 Mbit/s

95th percentile per-packet one-way delay: 0.995 ms

Loss rate: 0.01%

Run 2: Report of Indigo-MusesC3 — Data Link



Run 3: Statistics of Indigo-MusesC3

Start at: 2019-01-25 11:40:37

End at: 2019-01-25 11:41:07

Local clock offset: 4.416 ms

Remote clock offset: 1.885 ms

Below is generated by plot.py at 2019-01-25 13:56:26

Datalink statistics

-- Total of 1 flow:

Average throughput: 276.14 Mbit/s

95th percentile per-packet one-way delay: 0.993 ms

Loss rate: 0.00%

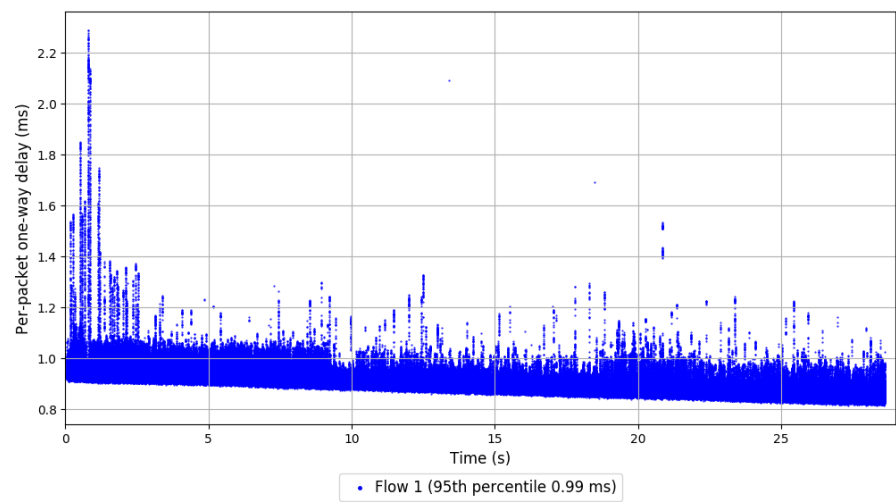
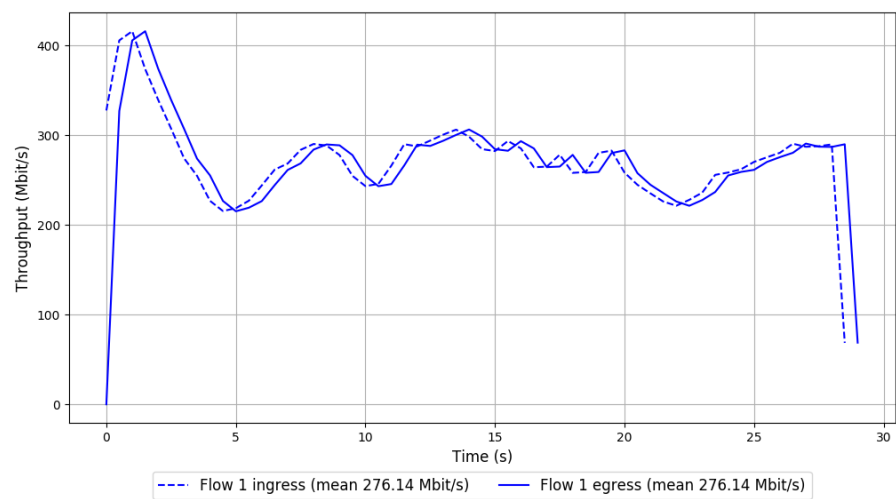
-- Flow 1:

Average throughput: 276.14 Mbit/s

95th percentile per-packet one-way delay: 0.993 ms

Loss rate: 0.00%

Run 3: Report of Indigo-MusesC3 — Data Link

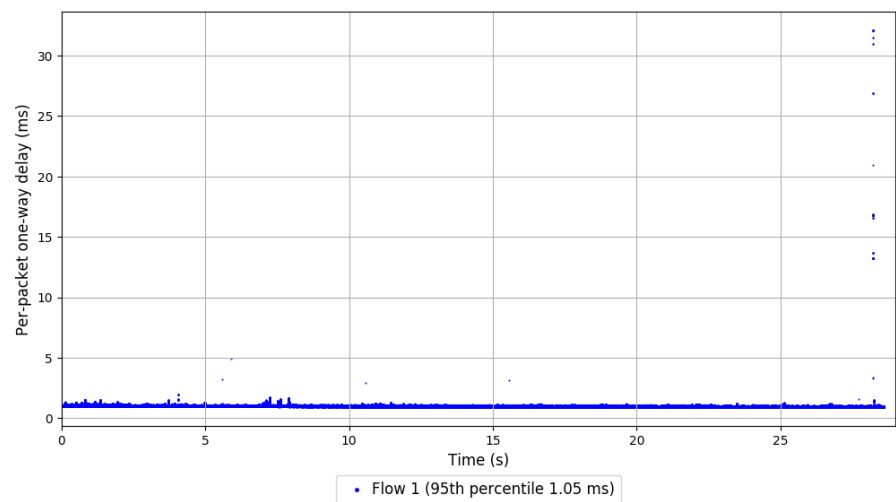
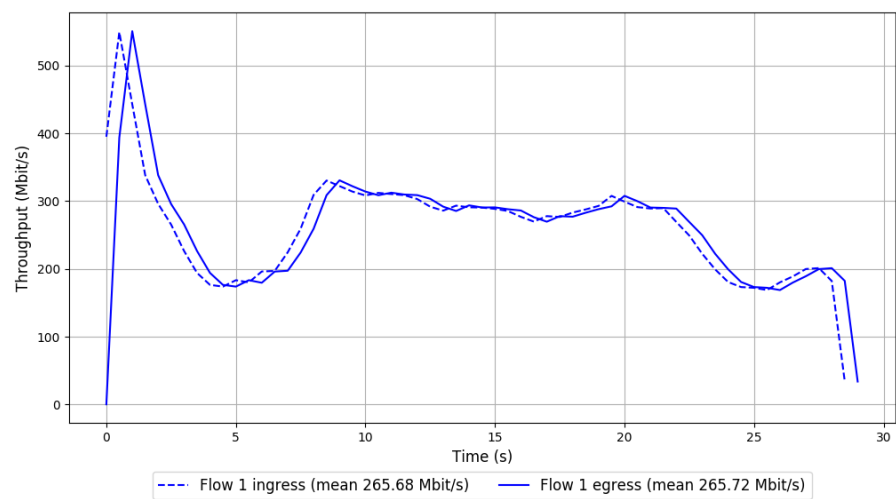


Run 4: Statistics of Indigo-MusesC3

Start at: 2019-01-25 12:10:10
End at: 2019-01-25 12:10:40
Local clock offset: 3.418 ms
Remote clock offset: -1.715 ms

Below is generated by plot.py at 2019-01-25 13:56:26
Datalink statistics
-- Total of 1 flow:
Average throughput: 265.72 Mbit/s
95th percentile per-packet one-way delay: 1.049 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 265.72 Mbit/s
95th percentile per-packet one-way delay: 1.049 ms
Loss rate: 0.00%

Run 4: Report of Indigo-MusesC3 — Data Link

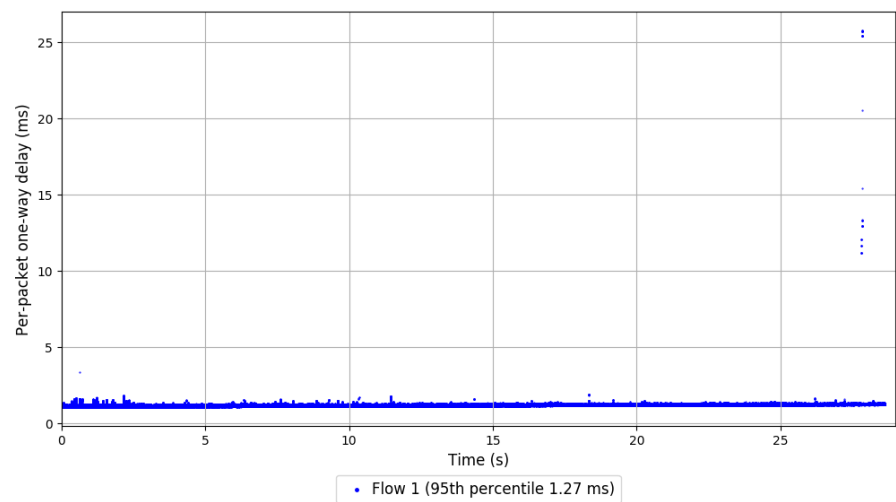
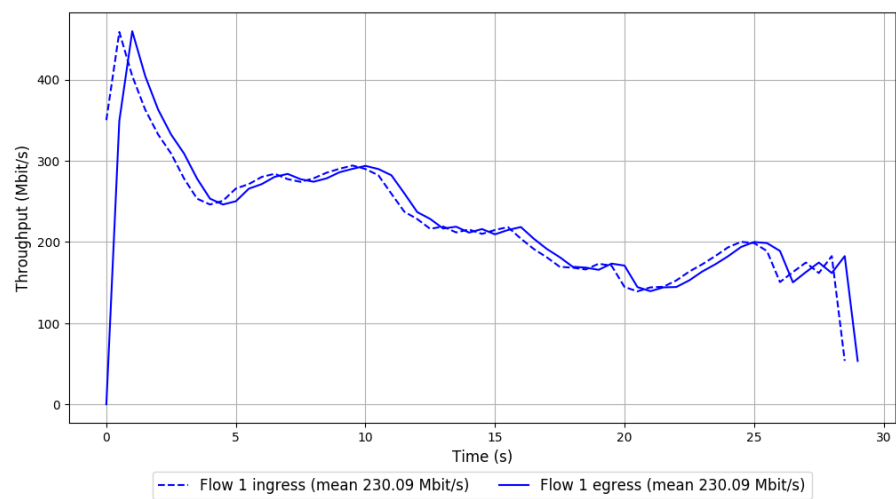


Run 5: Statistics of Indigo-MusesC3

Start at: 2019-01-25 12:39:56
End at: 2019-01-25 12:40:26
Local clock offset: -1.996 ms
Remote clock offset: -3.655 ms

Below is generated by plot.py at 2019-01-25 13:56:26
Datalink statistics
-- Total of 1 flow:
Average throughput: 230.09 Mbit/s
95th percentile per-packet one-way delay: 1.275 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 230.09 Mbit/s
95th percentile per-packet one-way delay: 1.275 ms
Loss rate: 0.01%

Run 5: Report of Indigo-MusesC3 — Data Link



Run 1: Statistics of Indigo-MusesC5

Start at: 2019-01-25 11:04:16

End at: 2019-01-25 11:04:46

Local clock offset: 1.452 ms

Remote clock offset: 2.14 ms

Below is generated by plot.py at 2019-01-25 13:56:26

Datalink statistics

-- Total of 1 flow:

Average throughput: 71.68 Mbit/s

95th percentile per-packet one-way delay: 1.098 ms

Loss rate: 0.00%

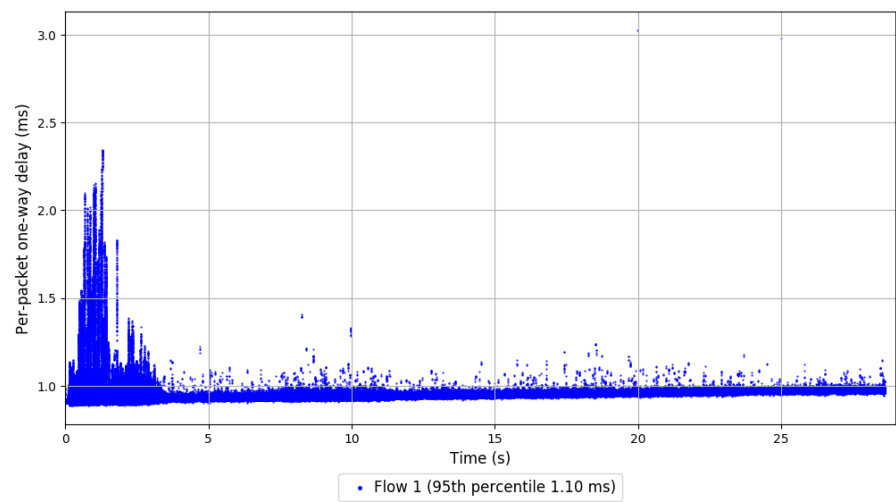
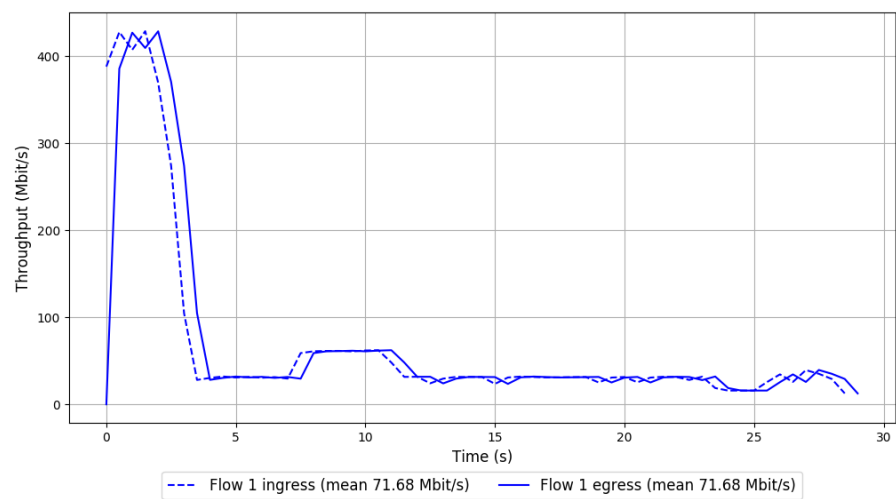
-- Flow 1:

Average throughput: 71.68 Mbit/s

95th percentile per-packet one-way delay: 1.098 ms

Loss rate: 0.00%

Run 1: Report of Indigo-MusesC5 — Data Link



Run 2: Statistics of Indigo-MusesC5

Start at: 2019-01-25 11:33:47

End at: 2019-01-25 11:34:17

Local clock offset: 4.117 ms

Remote clock offset: 3.748 ms

Below is generated by plot.py at 2019-01-25 13:56:26

Datalink statistics

-- Total of 1 flow:

Average throughput: 230.46 Mbit/s

95th percentile per-packet one-way delay: 0.911 ms

Loss rate: 0.00%

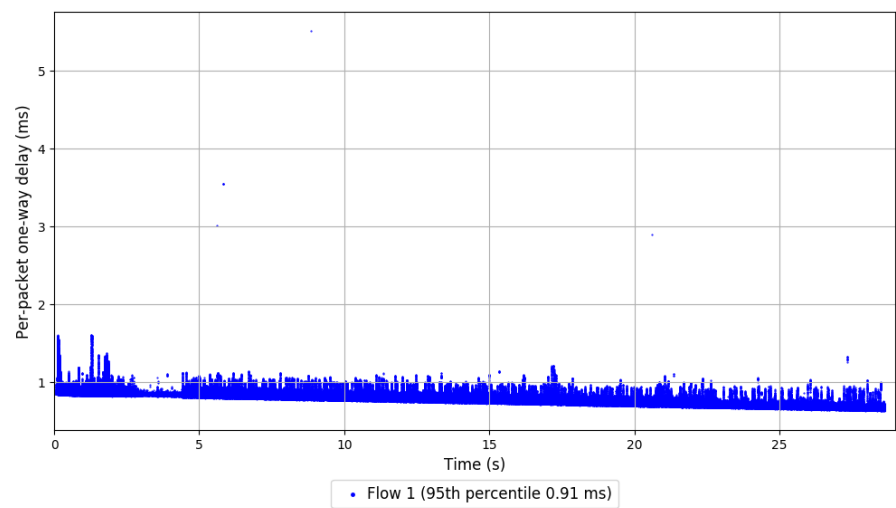
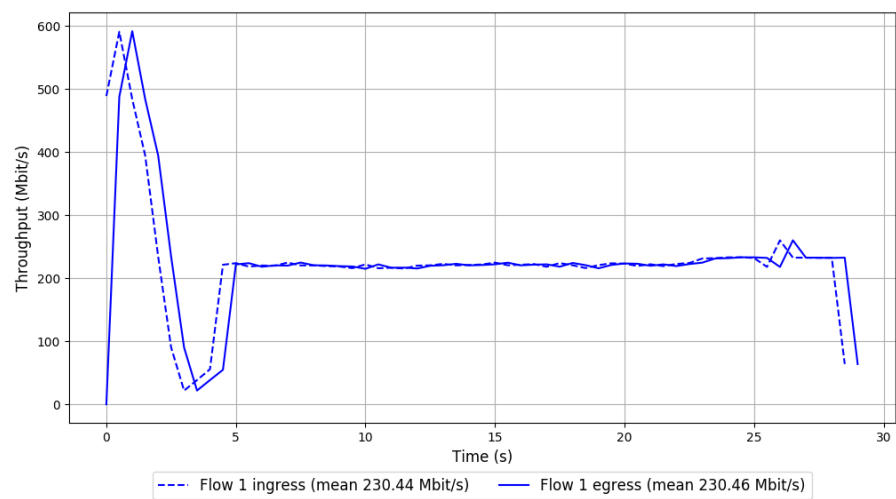
-- Flow 1:

Average throughput: 230.46 Mbit/s

95th percentile per-packet one-way delay: 0.911 ms

Loss rate: 0.00%

Run 2: Report of Indigo-MusesC5 — Data Link



Run 3: Statistics of Indigo-MusesC5

Start at: 2019-01-25 12:03:17

End at: 2019-01-25 12:03:47

Local clock offset: 4.365 ms

Remote clock offset: 0.551 ms

Below is generated by plot.py at 2019-01-25 13:56:26

Datalink statistics

-- Total of 1 flow:

Average throughput: 267.30 Mbit/s

95th percentile per-packet one-way delay: 1.089 ms

Loss rate: 0.00%

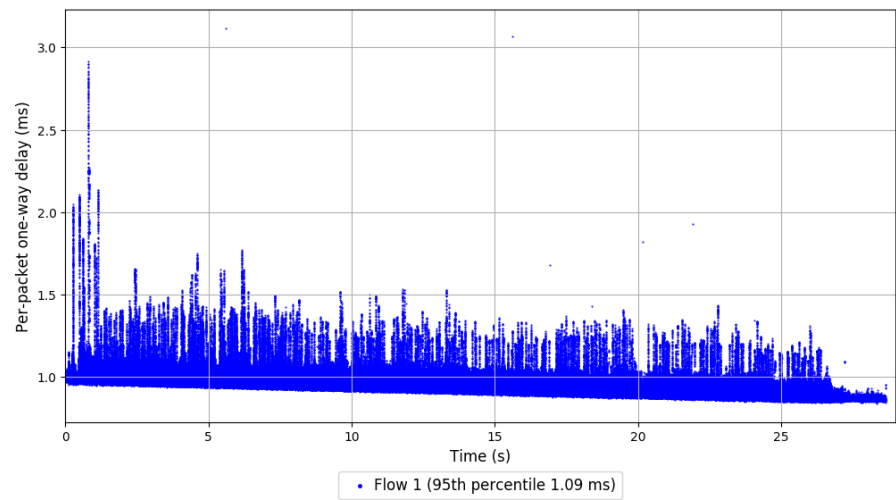
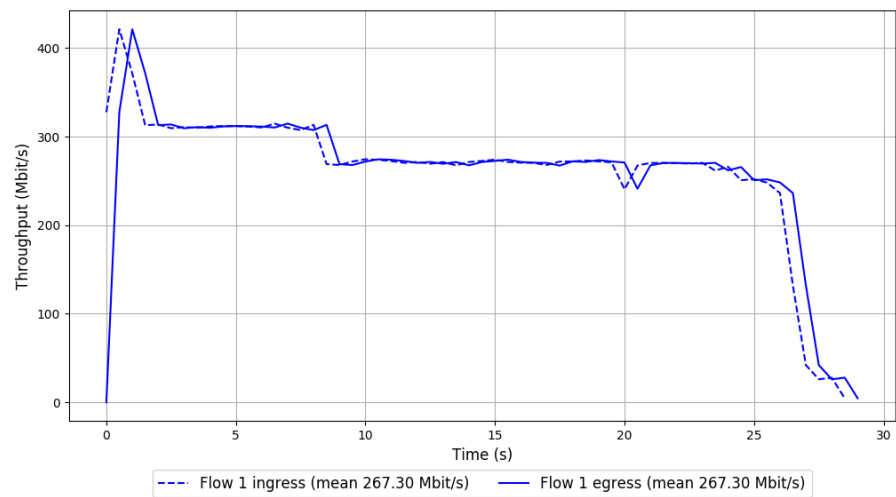
-- Flow 1:

Average throughput: 267.30 Mbit/s

95th percentile per-packet one-way delay: 1.089 ms

Loss rate: 0.00%

Run 3: Report of Indigo-MusesC5 — Data Link

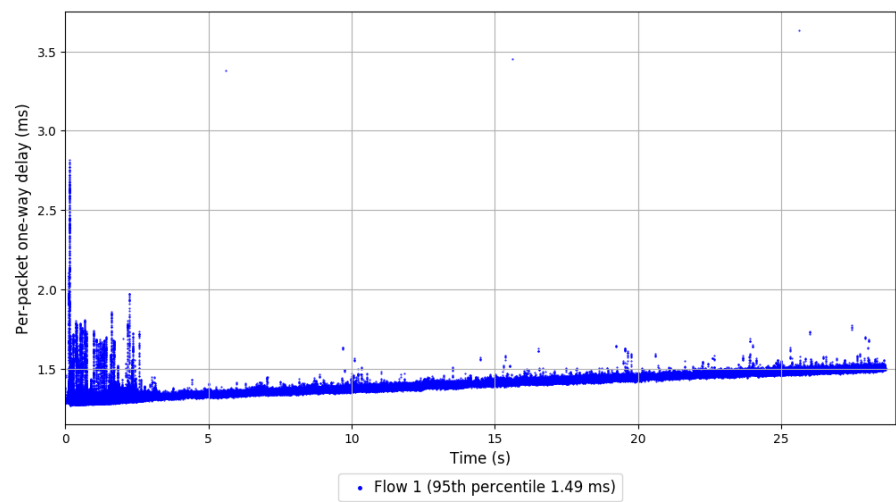
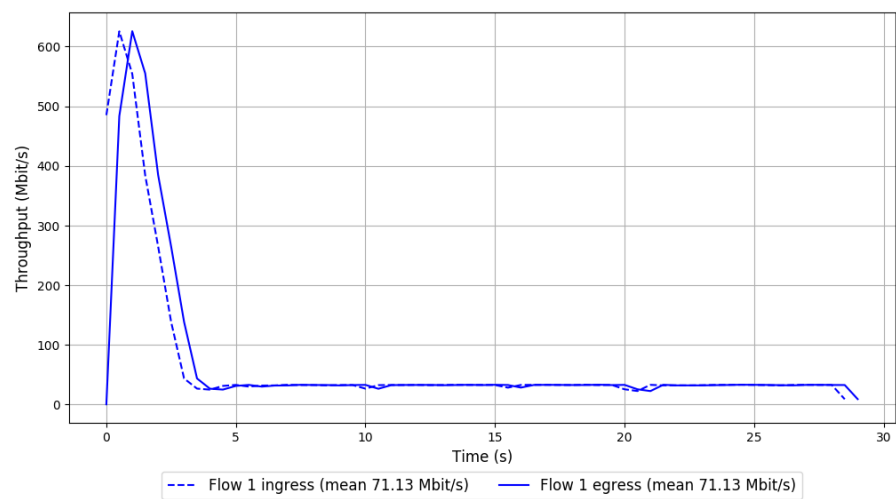


Run 4: Statistics of Indigo-MusesC5

Start at: 2019-01-25 12:33:10
End at: 2019-01-25 12:33:40
Local clock offset: 0.585 ms
Remote clock offset: -3.897 ms

Below is generated by plot.py at 2019-01-25 13:56:26
Datalink statistics
-- Total of 1 flow:
Average throughput: 71.13 Mbit/s
95th percentile per-packet one-way delay: 1.491 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 71.13 Mbit/s
95th percentile per-packet one-way delay: 1.491 ms
Loss rate: 0.00%

Run 4: Report of Indigo-MusesC5 — Data Link



Run 5: Statistics of Indigo-MusesC5

Start at: 2019-01-25 13:02:34

End at: 2019-01-25 13:03:04

Local clock offset: -3.692 ms

Remote clock offset: -3.501 ms

Below is generated by plot.py at 2019-01-25 13:56:26

Datalink statistics

-- Total of 1 flow:

Average throughput: 200.44 Mbit/s

95th percentile per-packet one-way delay: 0.811 ms

Loss rate: 0.01%

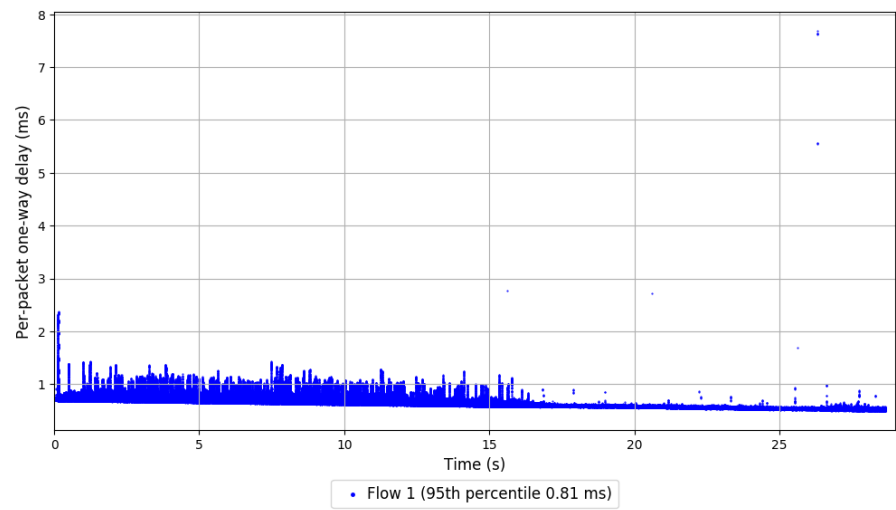
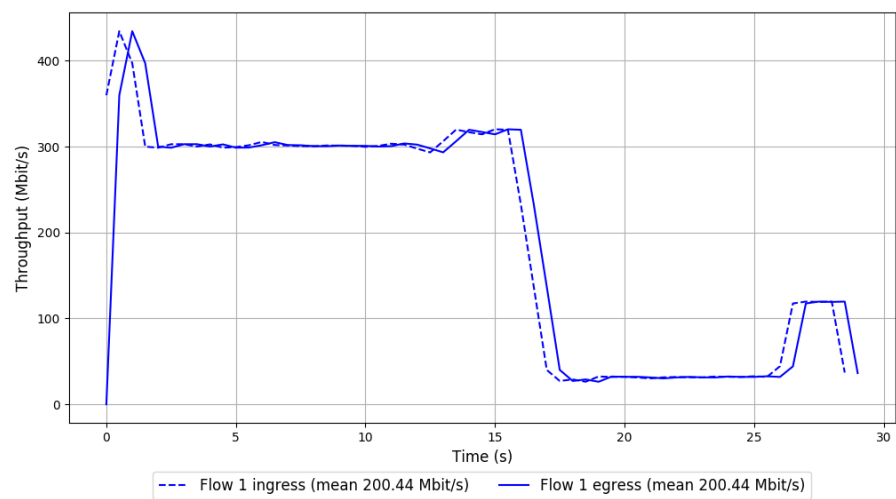
-- Flow 1:

Average throughput: 200.44 Mbit/s

95th percentile per-packet one-way delay: 0.811 ms

Loss rate: 0.01%

Run 5: Report of Indigo-MusesC5 — Data Link

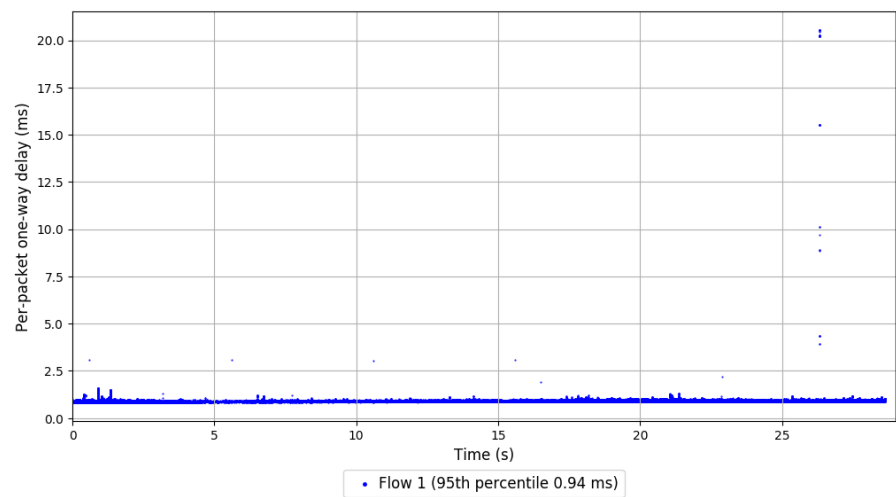
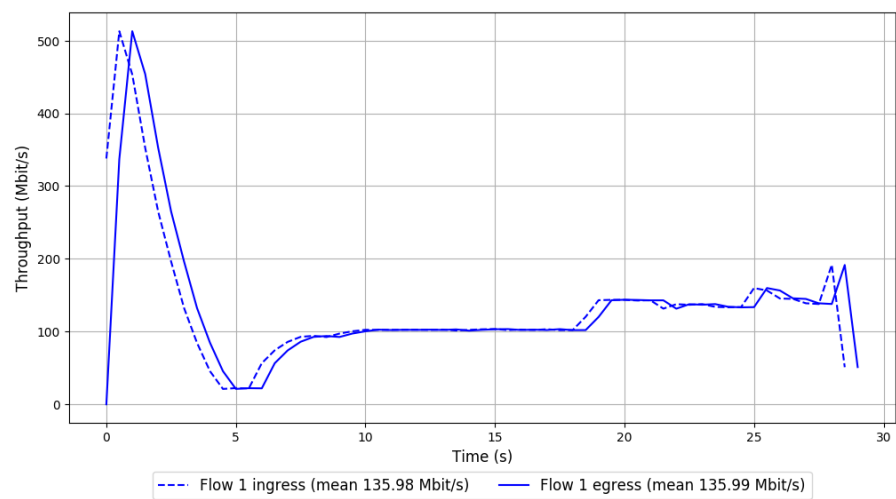



```
Run 1: Statistics of Indigo-MusesD

Start at: 2019-01-25 11:00:08
End at: 2019-01-25 11:00:38
Local clock offset: 0.268 ms
Remote clock offset: 0.502 ms

# Below is generated by plot.py at 2019-01-25 13:56:26
# Datalink statistics
-- Total of 1 flow:
Average throughput: 135.99 Mbit/s
95th percentile per-packet one-way delay: 0.945 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 135.99 Mbit/s
95th percentile per-packet one-way delay: 0.945 ms
Loss rate: 0.00%
```

Run 1: Report of Indigo-MusesD — Data Link



Run 2: Statistics of Indigo-MusesD

Start at: 2019-01-25 11:29:41

End at: 2019-01-25 11:30:11

Local clock offset: 3.926 ms

Remote clock offset: 5.93 ms

Below is generated by plot.py at 2019-01-25 13:56:26

Datalink statistics

-- Total of 1 flow:

Average throughput: 76.43 Mbit/s

95th percentile per-packet one-way delay: 0.836 ms

Loss rate: 0.01%

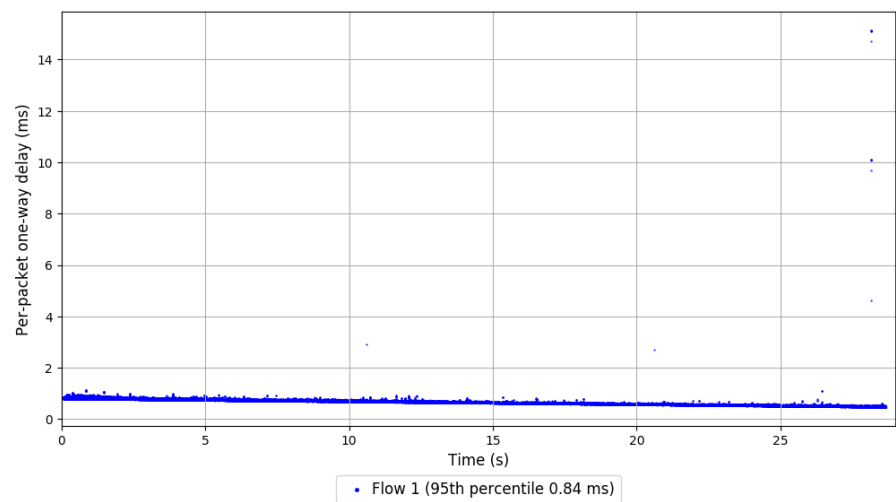
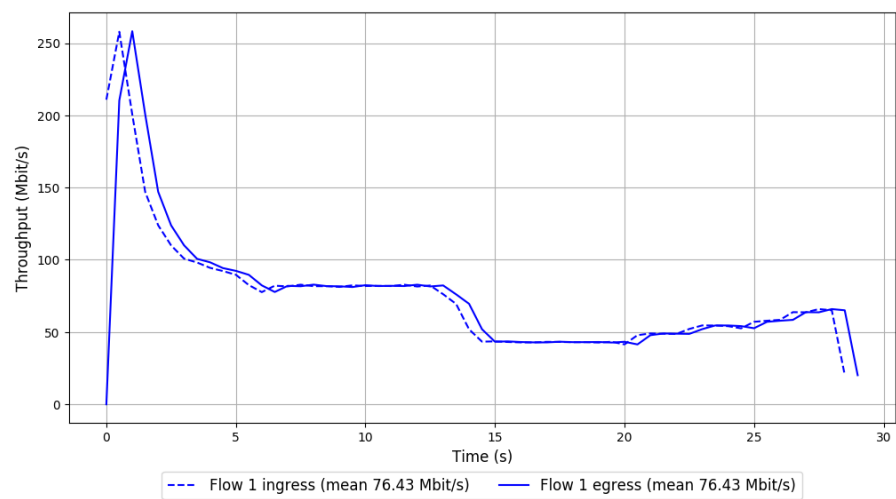
-- Flow 1:

Average throughput: 76.43 Mbit/s

95th percentile per-packet one-way delay: 0.836 ms

Loss rate: 0.01%

Run 2: Report of Indigo-MusesD — Data Link



Run 3: Statistics of Indigo-MusesD

Start at: 2019-01-25 11:58:51

End at: 2019-01-25 11:59:21

Local clock offset: 5.12 ms

Remote clock offset: 0.887 ms

Below is generated by plot.py at 2019-01-25 13:56:26

Datalink statistics

-- Total of 1 flow:

Average throughput: 119.05 Mbit/s

95th percentile per-packet one-way delay: 1.059 ms

Loss rate: 0.01%

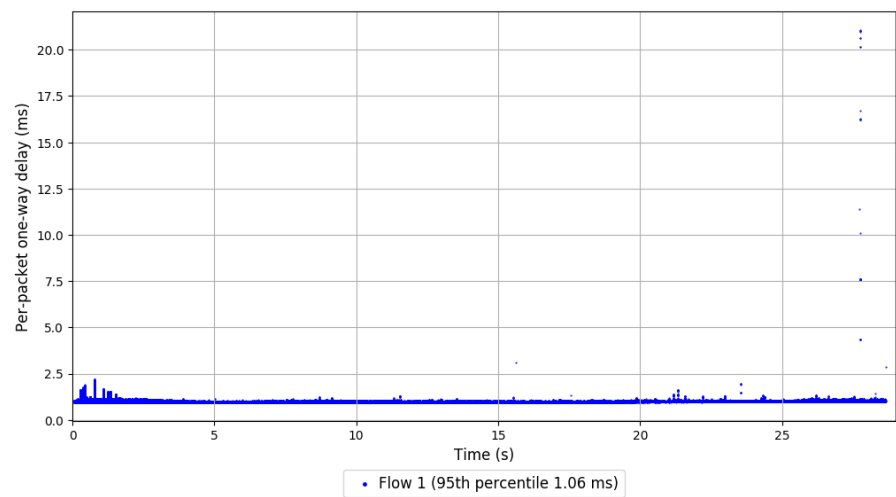
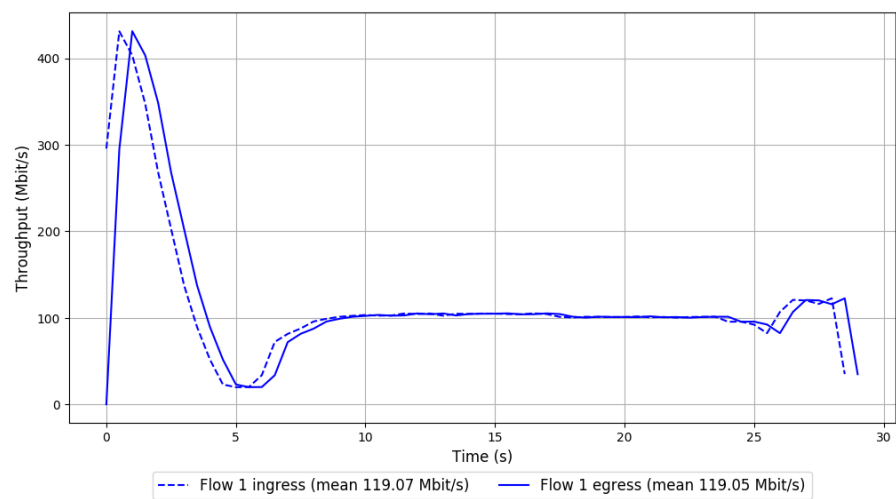
-- Flow 1:

Average throughput: 119.05 Mbit/s

95th percentile per-packet one-way delay: 1.059 ms

Loss rate: 0.01%

Run 3: Report of Indigo-MusesD — Data Link



Run 4: Statistics of Indigo-MusesD

Start at: 2019-01-25 12:28:42

End at: 2019-01-25 12:29:12

Local clock offset: 2.701 ms

Remote clock offset: -3.597 ms

Below is generated by plot.py at 2019-01-25 13:56:26

Datalink statistics

-- Total of 1 flow:

Average throughput: 137.67 Mbit/s

95th percentile per-packet one-way delay: 0.983 ms

Loss rate: 0.00%

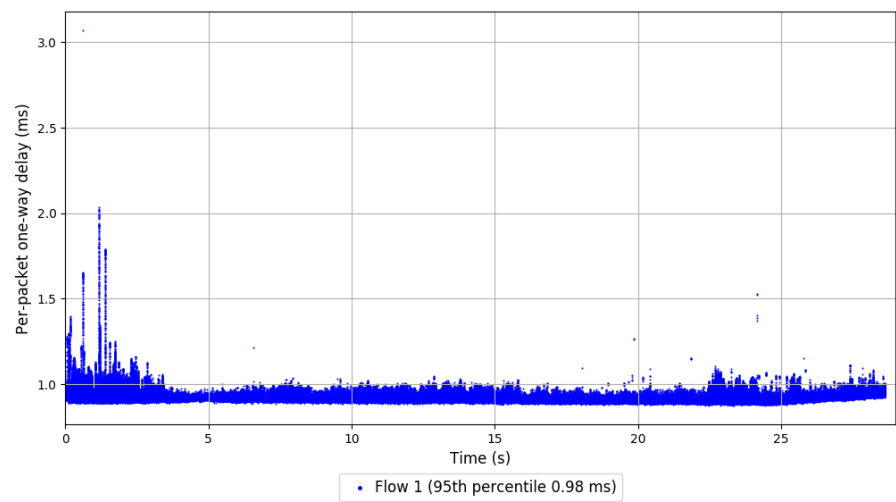
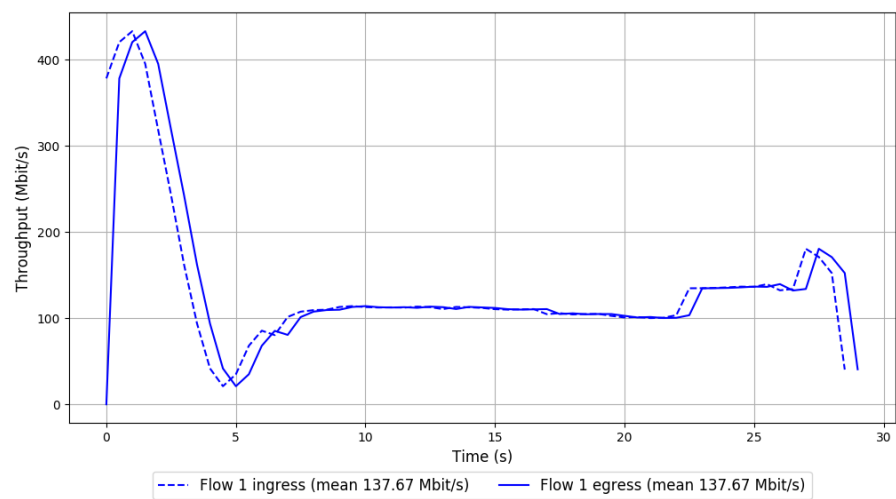
-- Flow 1:

Average throughput: 137.67 Mbit/s

95th percentile per-packet one-way delay: 0.983 ms

Loss rate: 0.00%

Run 4: Report of Indigo-MusesD — Data Link

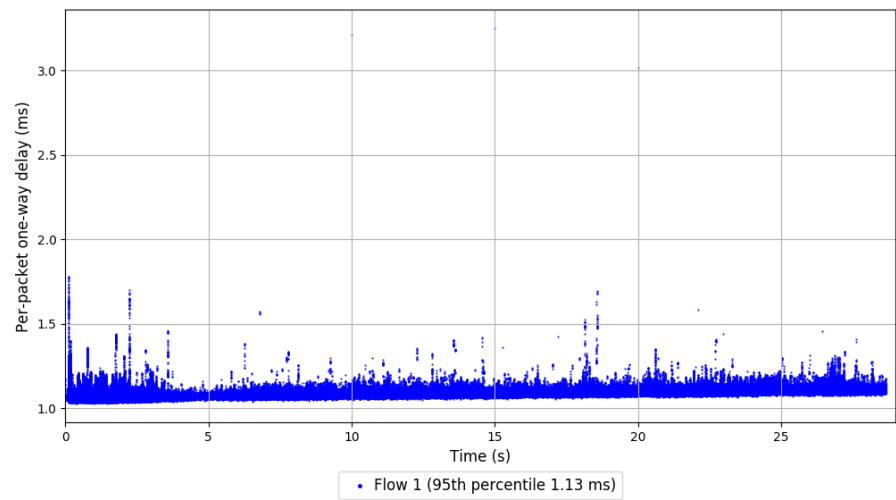
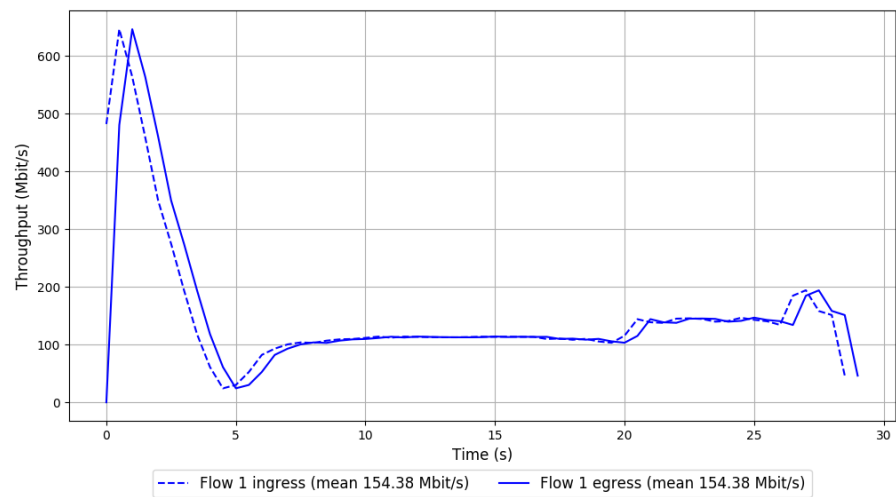


Run 5: Statistics of Indigo-MusesD

Start at: 2019-01-25 12:58:25
End at: 2019-01-25 12:58:55
Local clock offset: -5.065 ms
Remote clock offset: -3.445 ms

Below is generated by plot.py at 2019-01-25 13:56:26
Datalink statistics
-- Total of 1 flow:
Average throughput: 154.38 Mbit/s
95th percentile per-packet one-way delay: 1.134 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 154.38 Mbit/s
95th percentile per-packet one-way delay: 1.134 ms
Loss rate: 0.01%

Run 5: Report of Indigo-MusesD — Data Link

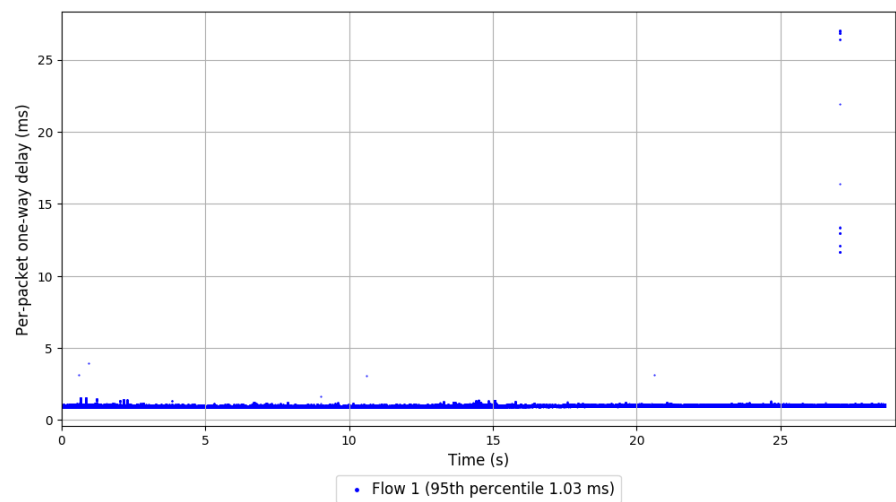
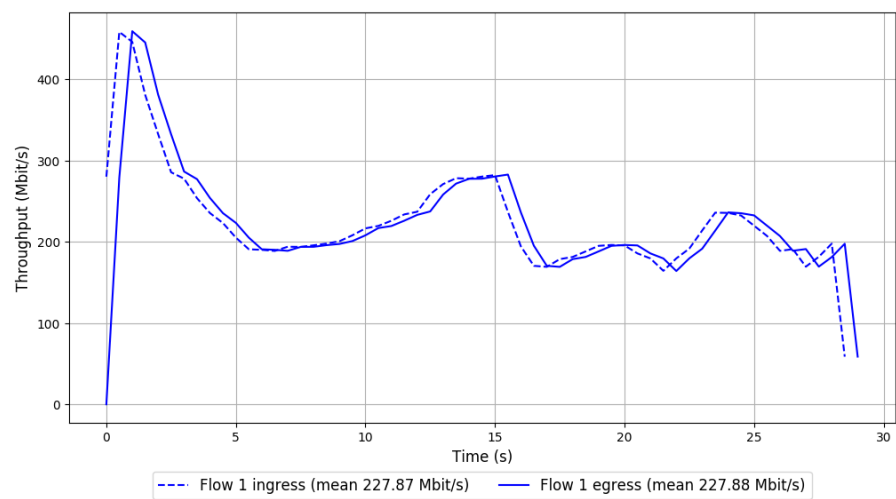


```
Run 1: Statistics of Indigo-MusesT

Start at: 2019-01-25 11:05:31
End at: 2019-01-25 11:06:01
Local clock offset: 1.716 ms
Remote clock offset: 2.551 ms

# Below is generated by plot.py at 2019-01-25 13:56:26
# Datalink statistics
-- Total of 1 flow:
Average throughput: 227.88 Mbit/s
95th percentile per-packet one-way delay: 1.032 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 227.88 Mbit/s
95th percentile per-packet one-way delay: 1.032 ms
Loss rate: 0.01%
```

Run 1: Report of Indigo-MusesT — Data Link



Run 2: Statistics of Indigo-MusesT

Start at: 2019-01-25 11:35:07

End at: 2019-01-25 11:35:37

Local clock offset: 4.168 ms

Remote clock offset: 3.192 ms

Below is generated by plot.py at 2019-01-25 13:56:26

Datalink statistics

-- Total of 1 flow:

Average throughput: 219.11 Mbit/s

95th percentile per-packet one-way delay: 0.982 ms

Loss rate: 0.01%

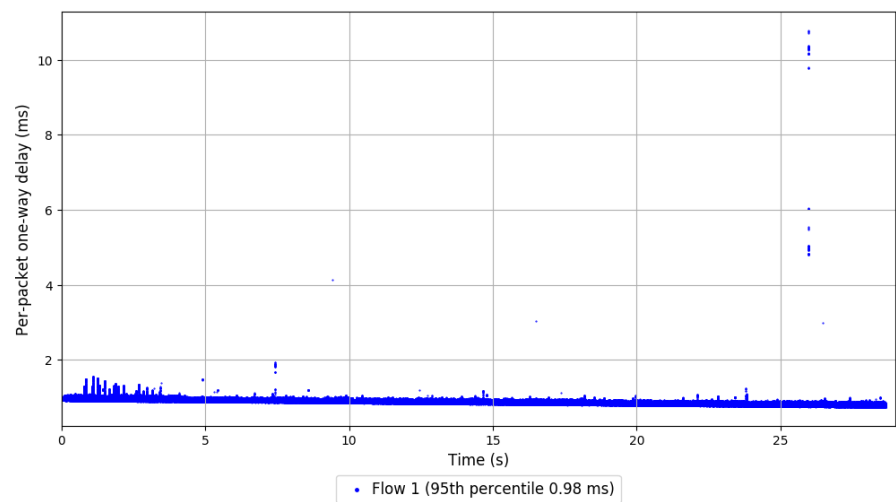
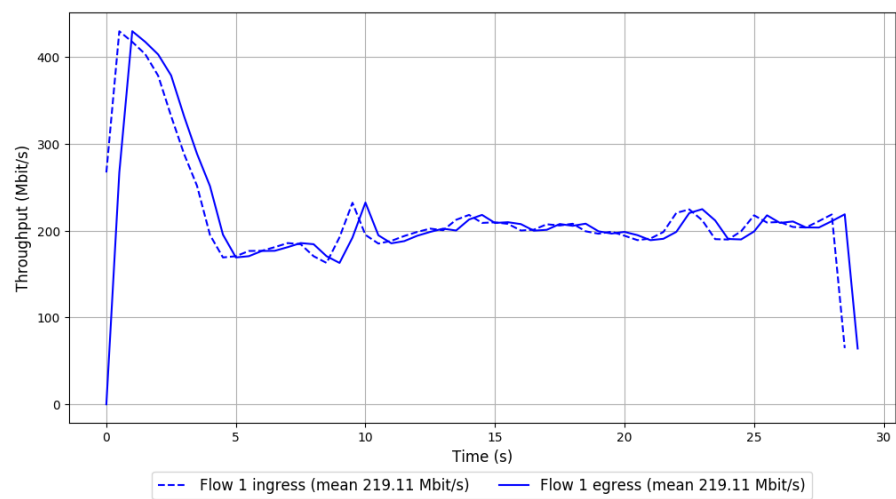
-- Flow 1:

Average throughput: 219.11 Mbit/s

95th percentile per-packet one-way delay: 0.982 ms

Loss rate: 0.01%

Run 2: Report of Indigo-MusesT — Data Link



Run 3: Statistics of Indigo-MusesT

Start at: 2019-01-25 12:04:38

End at: 2019-01-25 12:05:08

Local clock offset: 4.127 ms

Remote clock offset: -0.082 ms

Below is generated by plot.py at 2019-01-25 13:56:26

Datalink statistics

-- Total of 1 flow:

Average throughput: 252.93 Mbit/s

95th percentile per-packet one-way delay: 1.121 ms

Loss rate: 0.01%

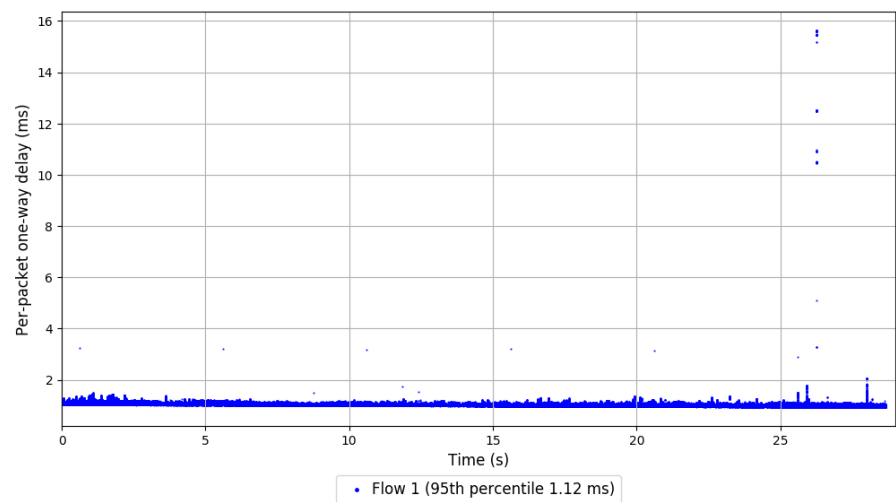
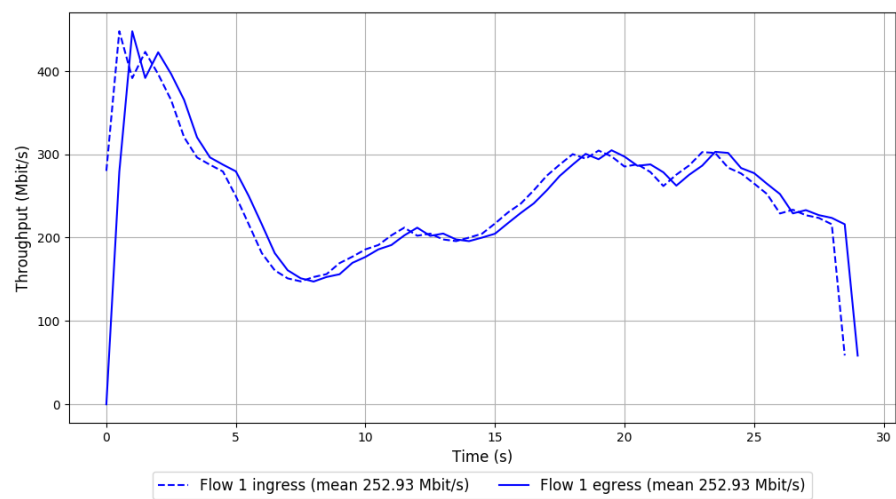
-- Flow 1:

Average throughput: 252.93 Mbit/s

95th percentile per-packet one-way delay: 1.121 ms

Loss rate: 0.01%

Run 3: Report of Indigo-MusesT — Data Link

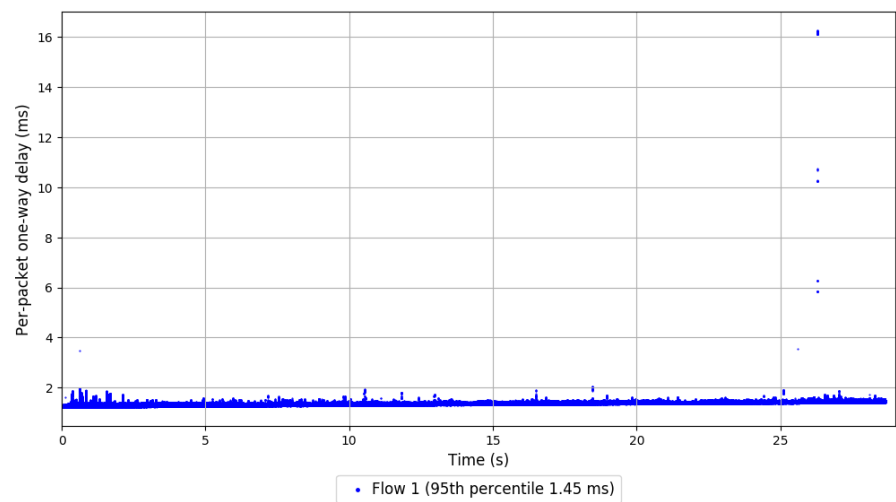
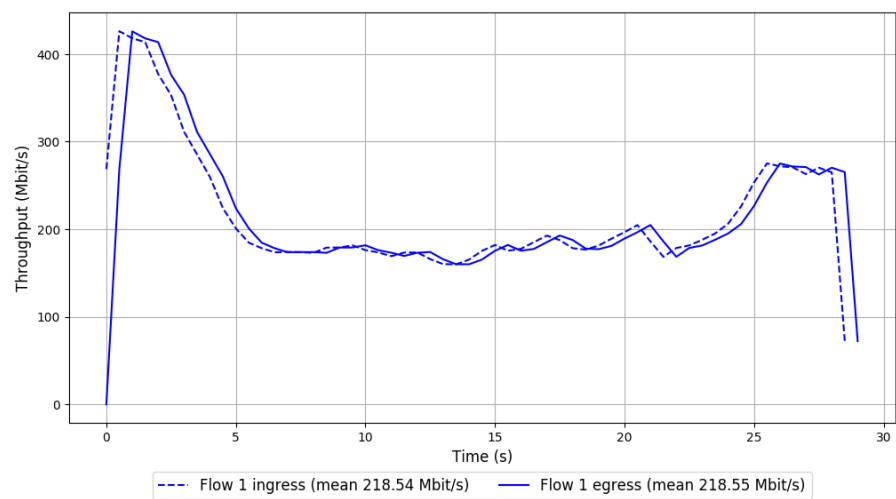


Run 4: Statistics of Indigo-MusesT

Start at: 2019-01-25 12:34:25
End at: 2019-01-25 12:34:55
Local clock offset: -0.061 ms
Remote clock offset: -3.962 ms

Below is generated by plot.py at 2019-01-25 13:56:26
Datalink statistics
-- Total of 1 flow:
Average throughput: 218.55 Mbit/s
95th percentile per-packet one-way delay: 1.454 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 218.55 Mbit/s
95th percentile per-packet one-way delay: 1.454 ms
Loss rate: 0.01%

Run 4: Report of Indigo-MusesT — Data Link



Run 5: Statistics of Indigo-MusesT

Start at: 2019-01-25 13:03:53

End at: 2019-01-25 13:04:23

Local clock offset: -3.169 ms

Remote clock offset: -3.532 ms

Below is generated by plot.py at 2019-01-25 13:56:26

Datalink statistics

-- Total of 1 flow:

Average throughput: 224.05 Mbit/s

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

Loss rate: 0.01%

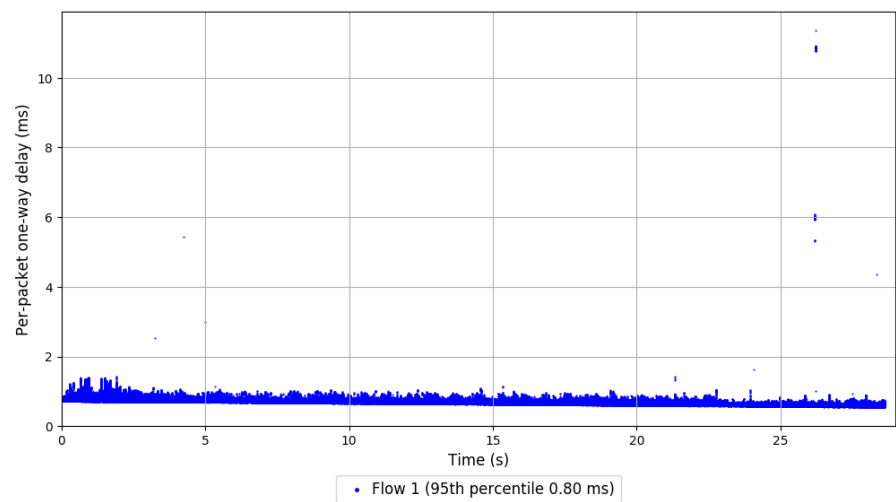
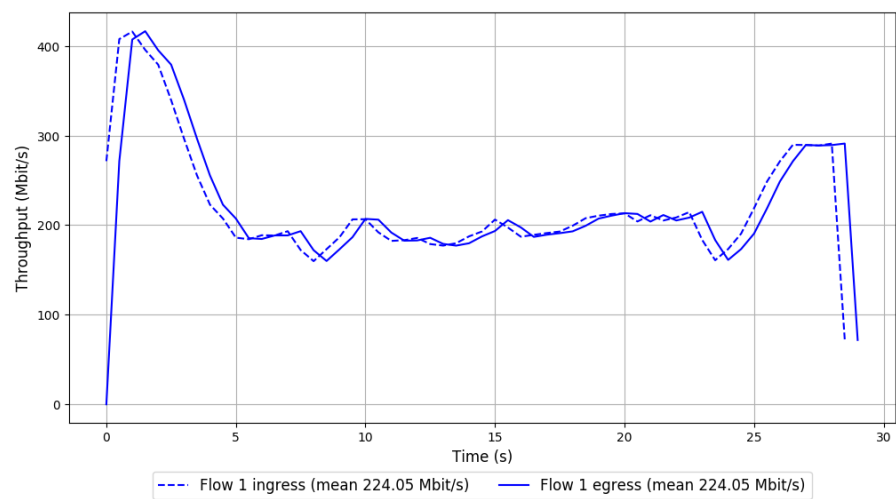
-- Flow 1:

Average throughput: 224.05 Mbit/s

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

Loss rate: 0.01%

Run 5: Report of Indigo-MusesT — Data Link

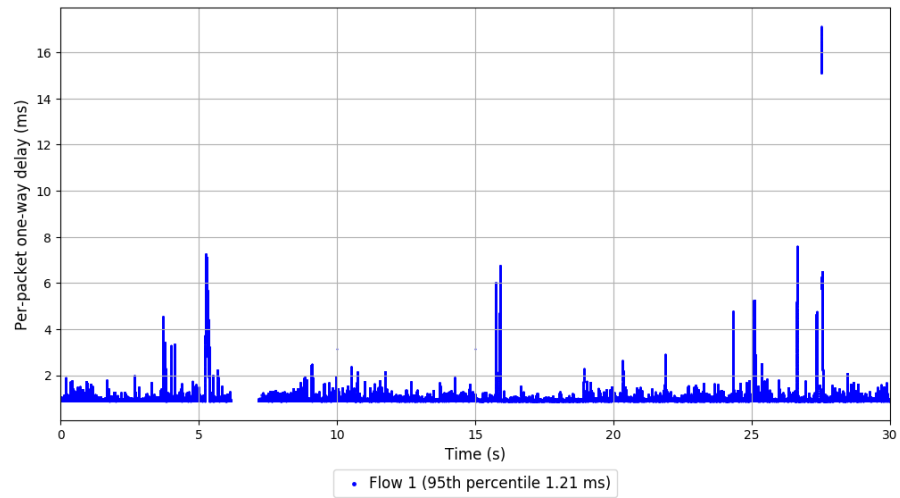
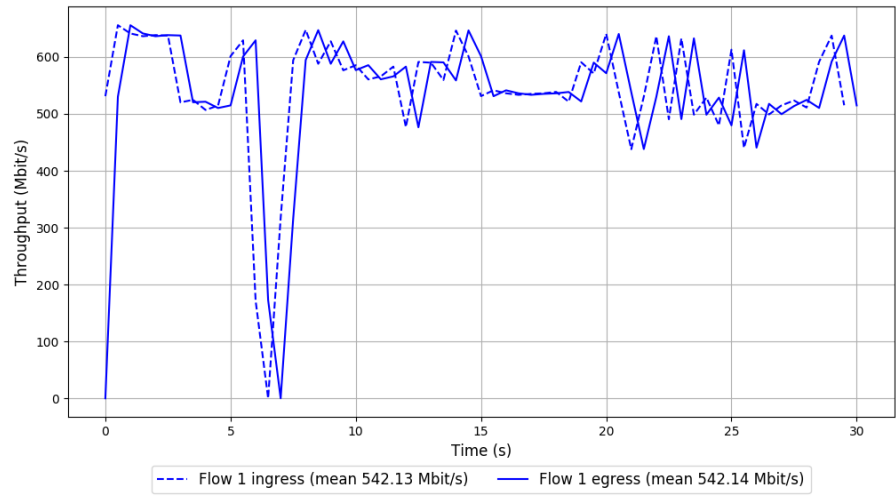


Run 1: Statistics of LEDBAT

Start at: 2019-01-25 10:52:44
End at: 2019-01-25 10:53:14
Local clock offset: 0.151 ms
Remote clock offset: -3.121 ms

Below is generated by plot.py at 2019-01-25 13:58:12
Datalink statistics
-- Total of 1 flow:
Average throughput: 542.14 Mbit/s
95th percentile per-packet one-way delay: 1.212 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 542.14 Mbit/s
95th percentile per-packet one-way delay: 1.212 ms
Loss rate: 0.00%

Run 1: Report of LEDBAT — Data Link



Run 2: Statistics of LEDBAT

Start at: 2019-01-25 11:22:15

End at: 2019-01-25 11:22:45

Local clock offset: 3.543 ms

Remote clock offset: 6.065 ms

Below is generated by plot.py at 2019-01-25 13:59:04

Datalink statistics

-- Total of 1 flow:

Average throughput: 575.03 Mbit/s

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

Loss rate: 0.00%

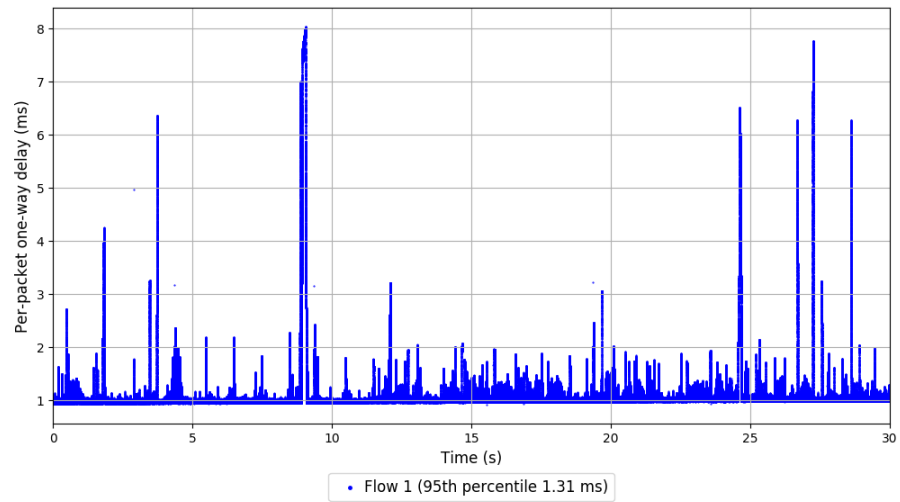
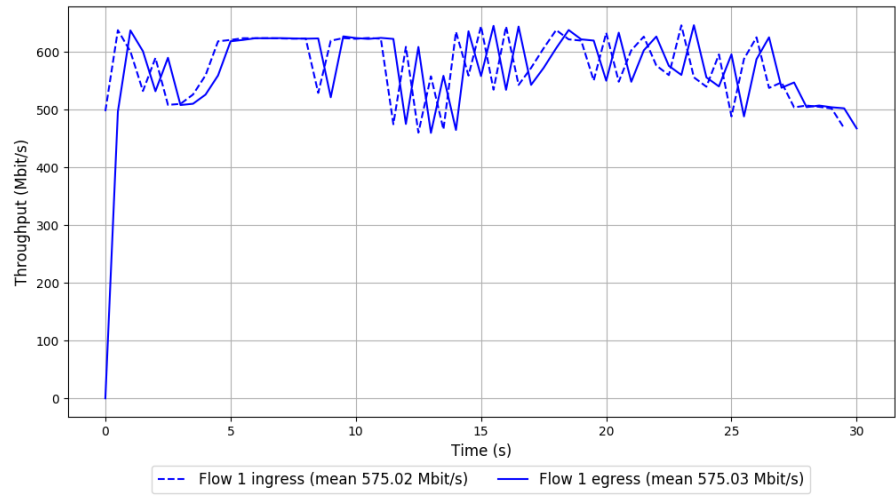
-- Flow 1:

Average throughput: 575.03 Mbit/s

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

Loss rate: 0.00%

Run 2: Report of LEDBAT — Data Link



Run 3: Statistics of LEDBAT

Start at: 2019-01-25 11:51:41

End at: 2019-01-25 11:52:11

Local clock offset: 4.852 ms

Remote clock offset: 0.949 ms

Below is generated by plot.py at 2019-01-25 13:59:06

Datalink statistics

-- Total of 1 flow:

Average throughput: 508.73 Mbit/s

95th percentile per-packet one-way delay: 1.224 ms

Loss rate: 0.01%

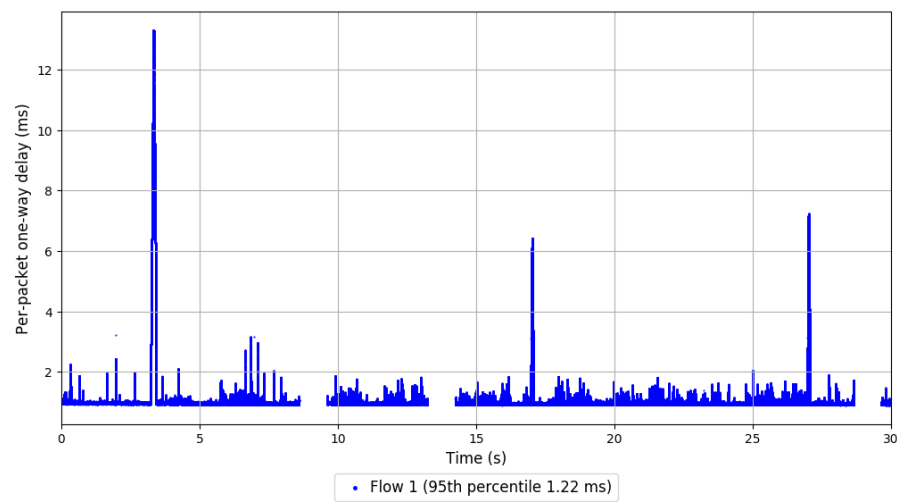
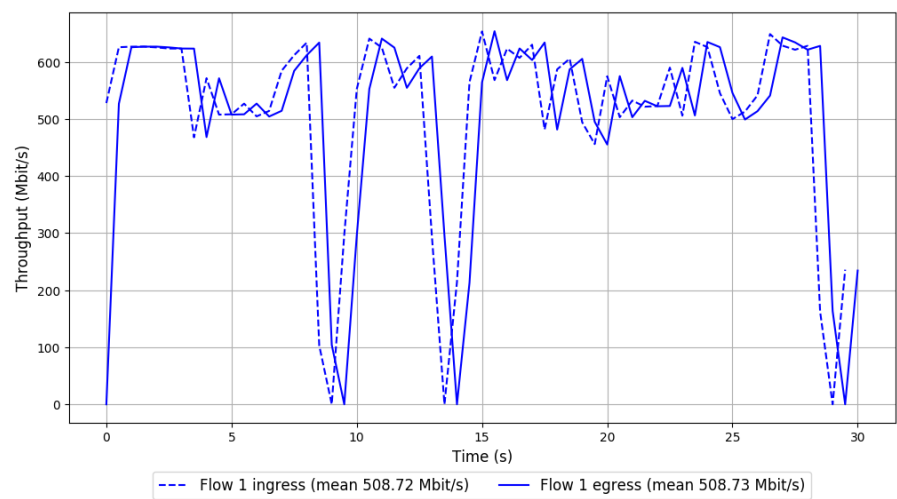
-- Flow 1:

Average throughput: 508.73 Mbit/s

95th percentile per-packet one-way delay: 1.224 ms

Loss rate: 0.01%

Run 3: Report of LEDBAT — Data Link

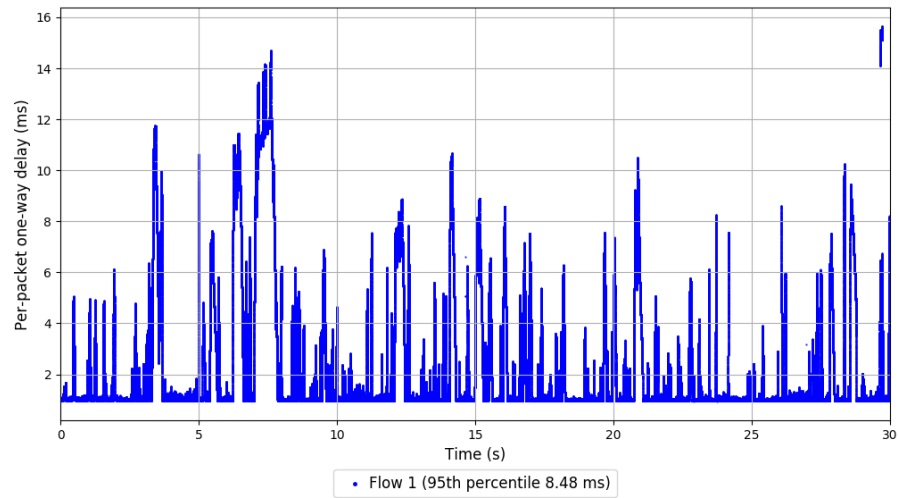
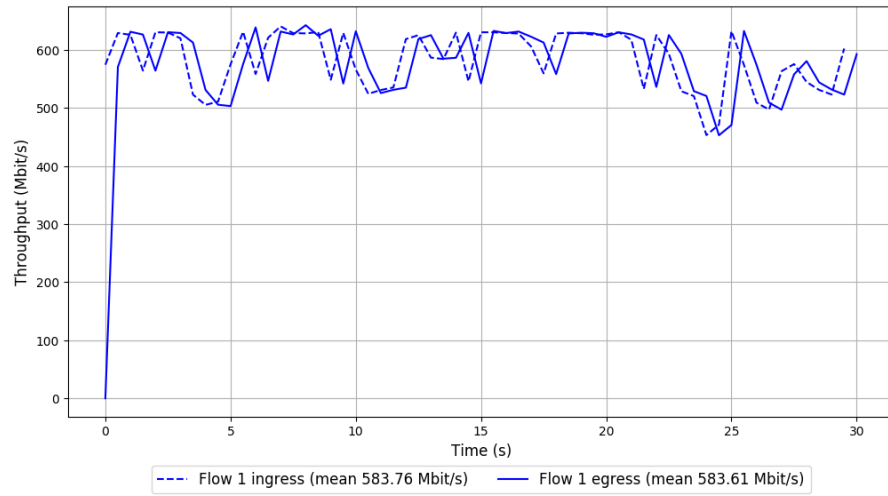


Run 4: Statistics of LEDBAT

Start at: 2019-01-25 12:21:14
End at: 2019-01-25 12:21:44
Local clock offset: 2.844 ms
Remote clock offset: -3.221 ms

Below is generated by plot.py at 2019-01-25 13:59:45
Datalink statistics
-- Total of 1 flow:
Average throughput: 583.61 Mbit/s
95th percentile per-packet one-way delay: 8.482 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 583.61 Mbit/s
95th percentile per-packet one-way delay: 8.482 ms
Loss rate: 0.03%

Run 4: Report of LEDBAT — Data Link

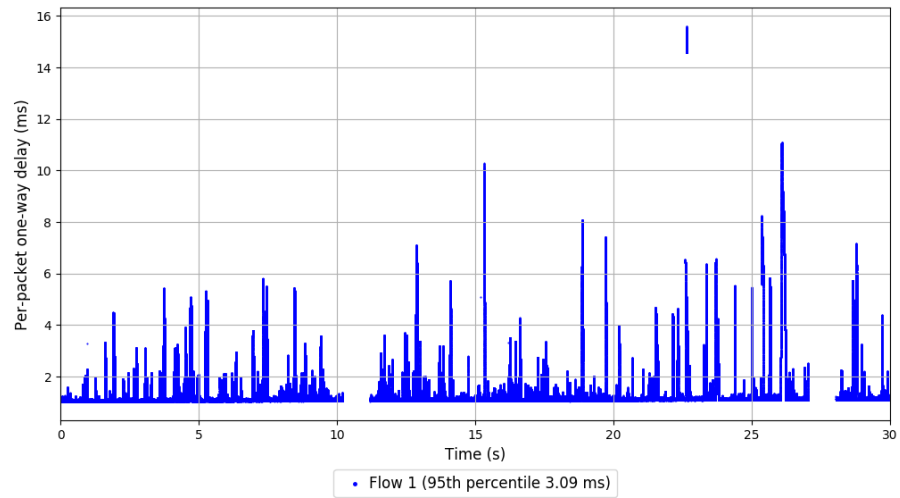
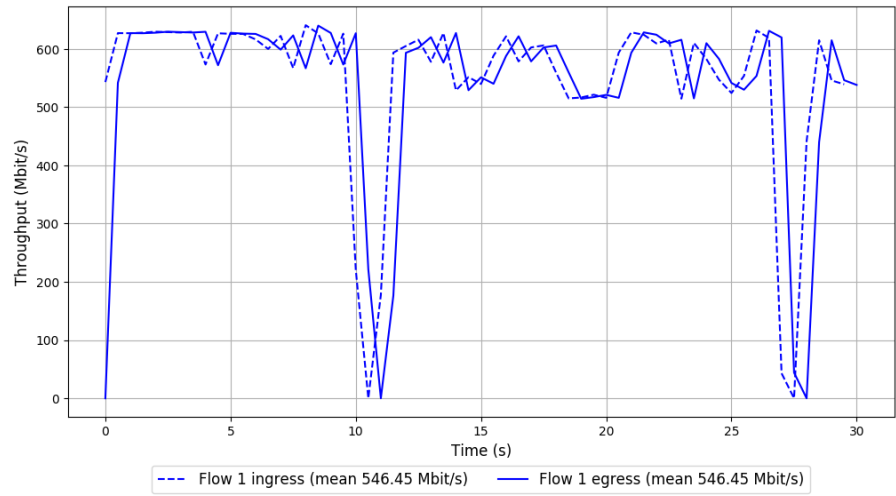


Run 5: Statistics of LEDBAT

Start at: 2019-01-25 12:51:03
End at: 2019-01-25 12:51:33
Local clock offset: -4.163 ms
Remote clock offset: -3.428 ms

Below is generated by plot.py at 2019-01-25 13:59:49
Datalink statistics
-- Total of 1 flow:
Average throughput: 546.45 Mbit/s
95th percentile per-packet one-way delay: 3.087 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 546.45 Mbit/s
95th percentile per-packet one-way delay: 3.087 ms
Loss rate: 0.01%

Run 5: Report of LEDBAT — Data Link



Run 1: Statistics of PCC-Allegro

Start at: 2019-01-25 10:54:19

End at: 2019-01-25 10:54:49

Local clock offset: 0.152 ms

Remote clock offset: -3.02 ms

Below is generated by plot.py at 2019-01-25 14:02:53

Datalink statistics

-- Total of 1 flow:

Average throughput: 784.72 Mbit/s

95th percentile per-packet one-way delay: 1.473 ms

Loss rate: 0.01%

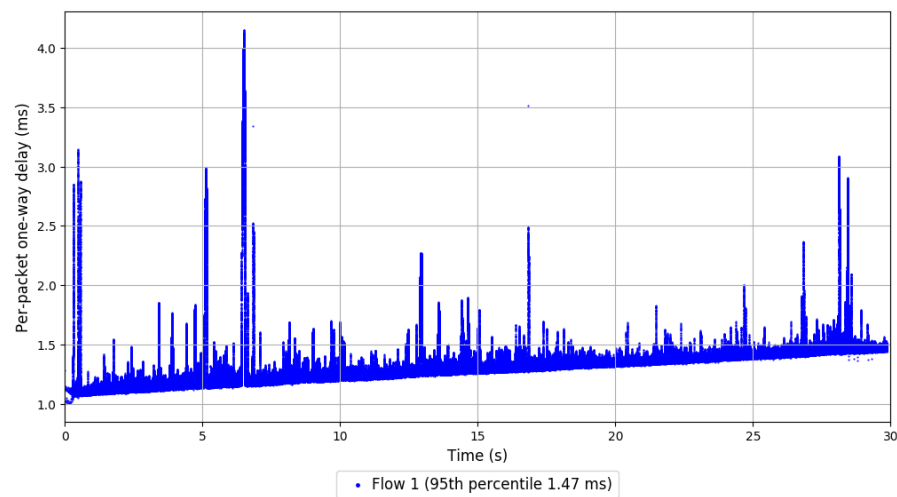
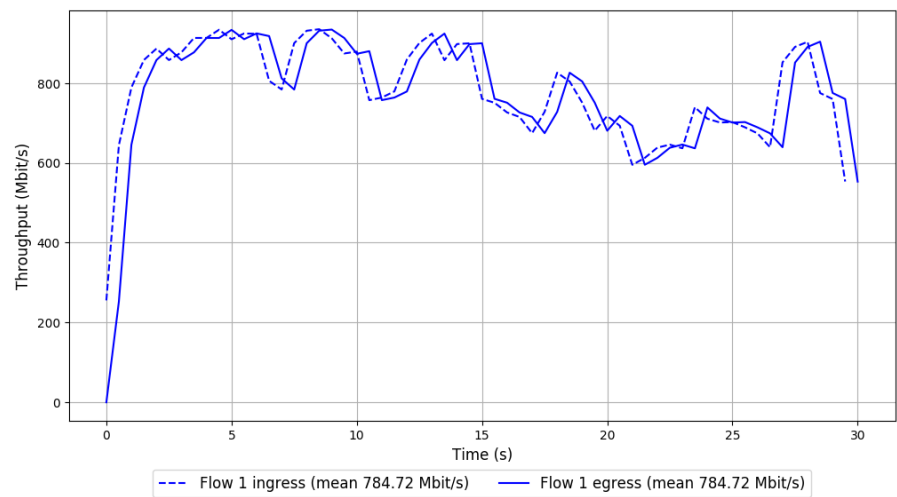
-- Flow 1:

Average throughput: 784.72 Mbit/s

95th percentile per-packet one-way delay: 1.473 ms

Loss rate: 0.01%

Run 1: Report of PCC-Allegro — Data Link



Run 2: Statistics of PCC-Allegro

Start at: 2019-01-25 11:23:51

End at: 2019-01-25 11:24:21

Local clock offset: 3.631 ms

Remote clock offset: 6.406 ms

Below is generated by plot.py at 2019-01-25 14:03:09

Datalink statistics

-- Total of 1 flow:

Average throughput: 805.33 Mbit/s

95th percentile per-packet one-way delay: 1.484 ms

Loss rate: 0.00%

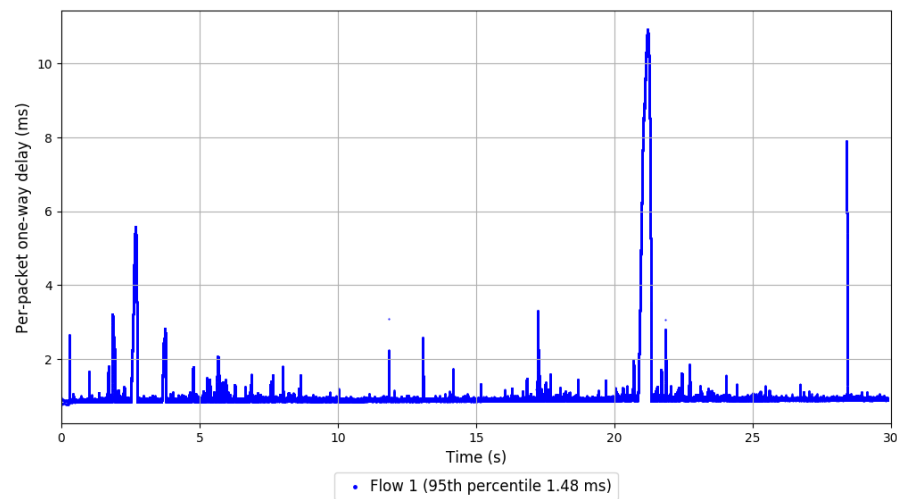
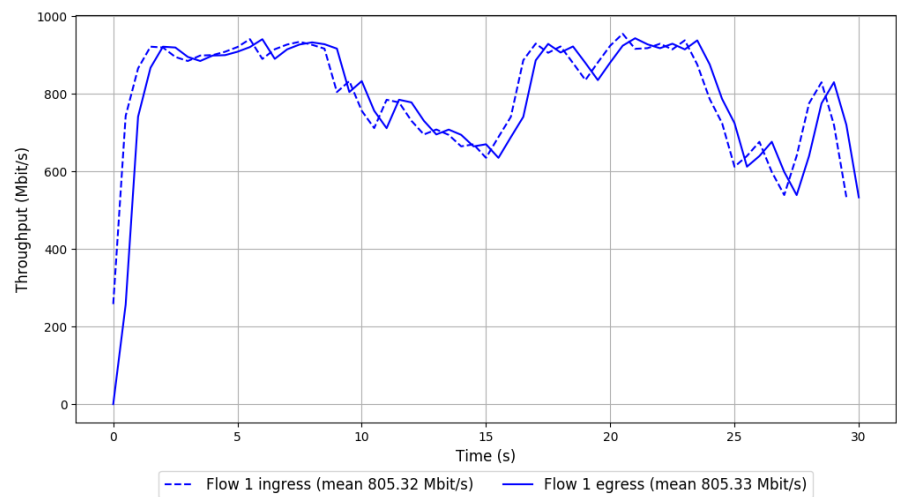
-- Flow 1:

Average throughput: 805.33 Mbit/s

95th percentile per-packet one-way delay: 1.484 ms

Loss rate: 0.00%

Run 2: Report of PCC-Allegro — Data Link



Run 3: Statistics of PCC-Allegro

Start at: 2019-01-25 11:53:15

End at: 2019-01-25 11:53:45

Local clock offset: 4.905 ms

Remote clock offset: 0.932 ms

Below is generated by plot.py at 2019-01-25 14:03:09

Datalink statistics

-- Total of 1 flow:

Average throughput: 155.33 Mbit/s

95th percentile per-packet one-way delay: 0.974 ms

Loss rate: 0.03%

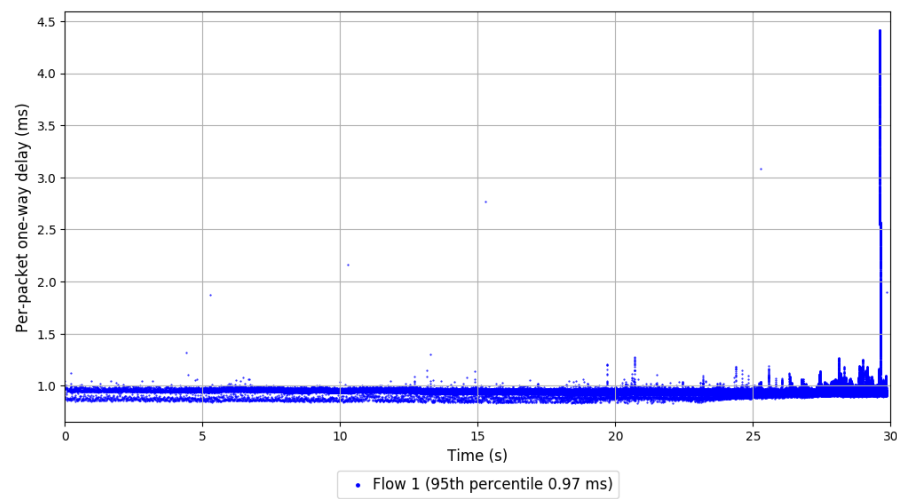
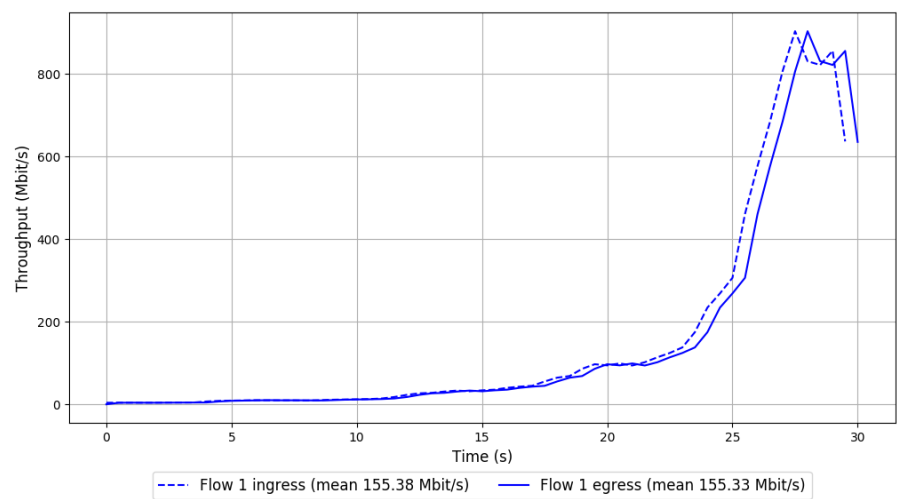
-- Flow 1:

Average throughput: 155.33 Mbit/s

95th percentile per-packet one-way delay: 0.974 ms

Loss rate: 0.03%

Run 3: Report of PCC-Allegro — Data Link

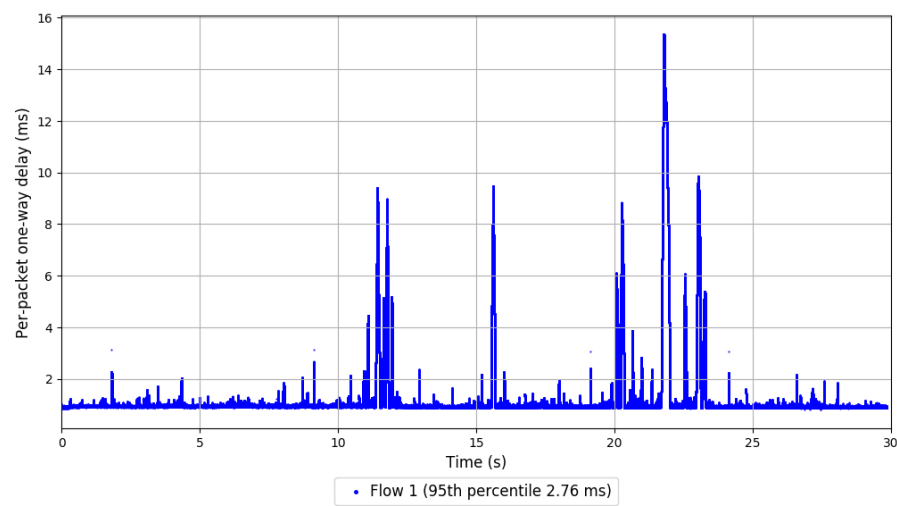
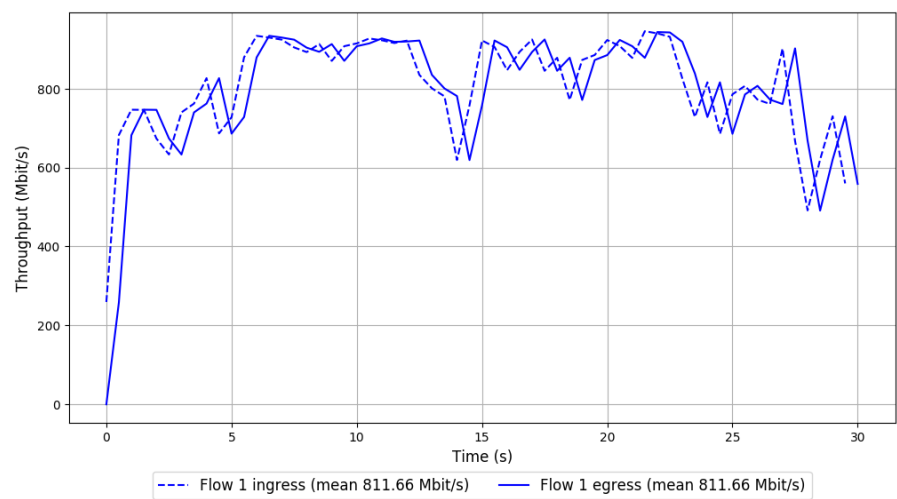


Run 4: Statistics of PCC-Allegro

Start at: 2019-01-25 12:22:51
End at: 2019-01-25 12:23:21
Local clock offset: 2.805 ms
Remote clock offset: -3.258 ms

Below is generated by plot.py at 2019-01-25 14:07:38
Datalink statistics
-- Total of 1 flow:
Average throughput: 811.66 Mbit/s
95th percentile per-packet one-way delay: 2.763 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 811.66 Mbit/s
95th percentile per-packet one-way delay: 2.763 ms
Loss rate: 0.01%

Run 4: Report of PCC-Allegro — Data Link

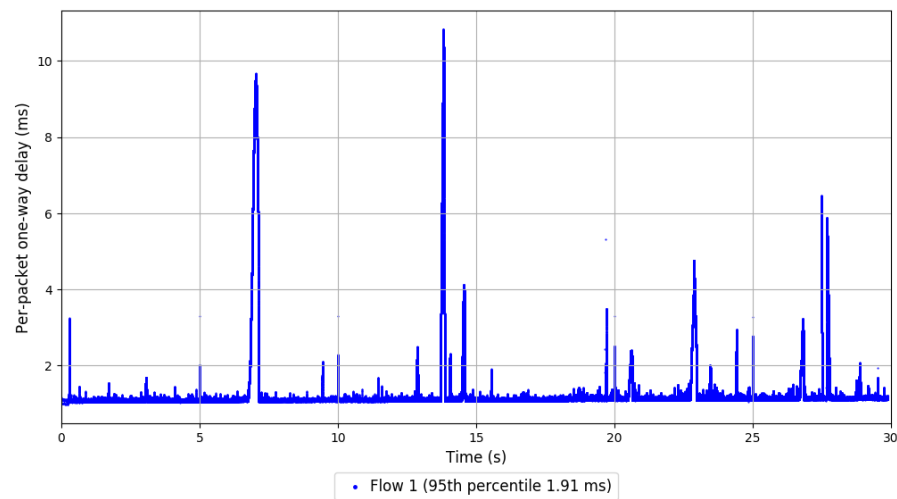
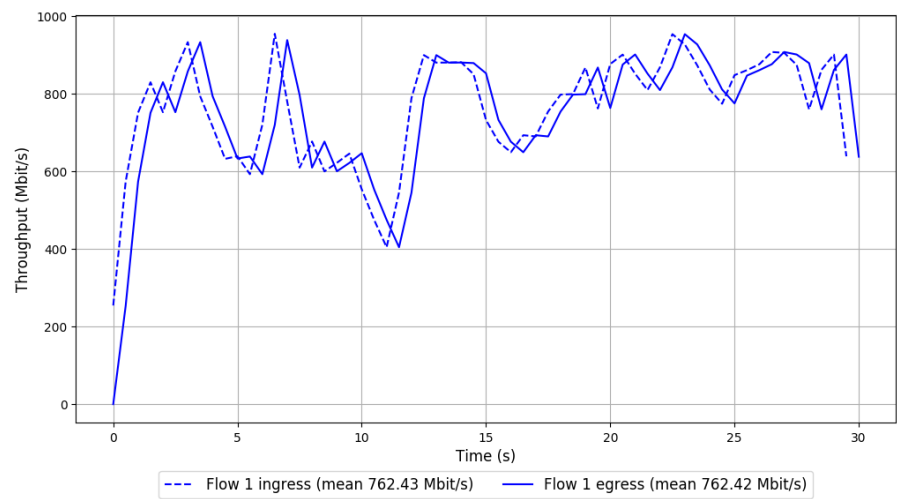


Run 5: Statistics of PCC-Allegro

Start at: 2019-01-25 12:52:39
End at: 2019-01-25 12:53:09
Local clock offset: -4.386 ms
Remote clock offset: -3.428 ms

Below is generated by plot.py at 2019-01-25 14:07:38
Datalink statistics
-- Total of 1 flow:
Average throughput: 762.42 Mbit/s
95th percentile per-packet one-way delay: 1.913 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 762.42 Mbit/s
95th percentile per-packet one-way delay: 1.913 ms
Loss rate: 0.01%

Run 5: Report of PCC-Allegro — Data Link

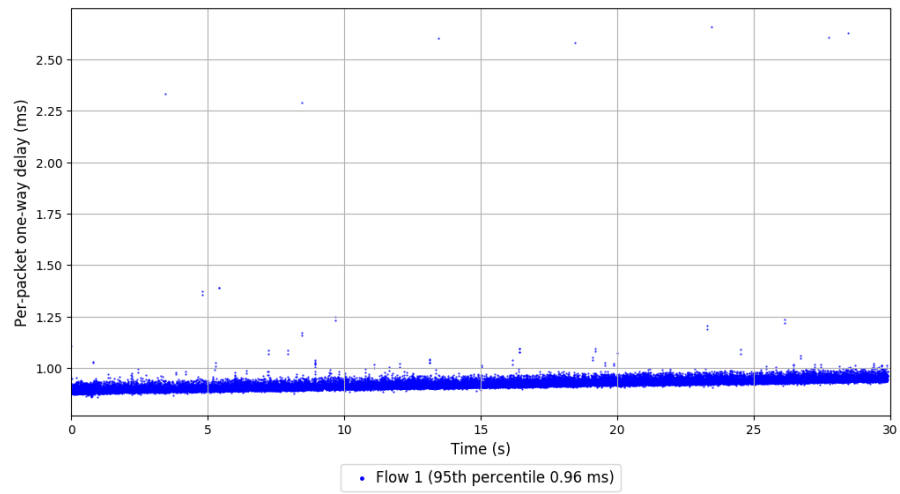
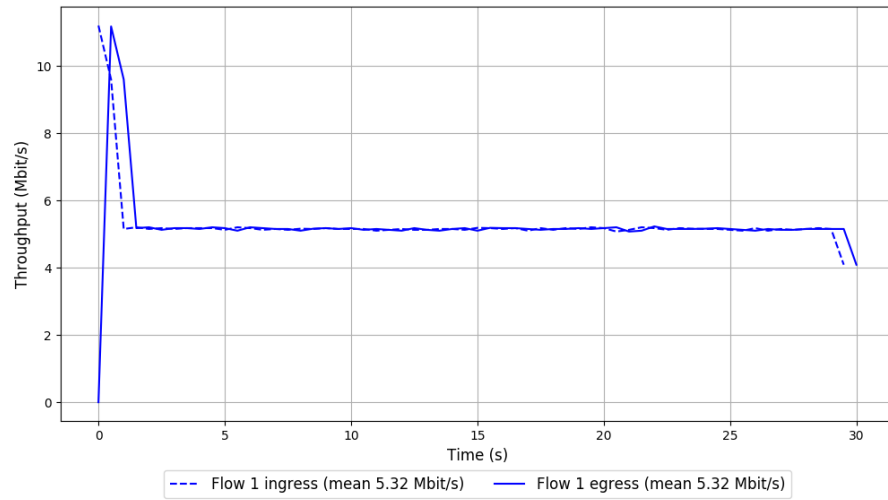



```
Run 1: Statistics of PCC-Expr

Start at: 2019-01-25 11:03:03
End at: 2019-01-25 11:03:33
Local clock offset: 1.187 ms
Remote clock offset: 1.766 ms

# Below is generated by plot.py at 2019-01-25 14:07:38
# Datalink statistics
-- Total of 1 flow:
Average throughput: 5.32 Mbit/s
95th percentile per-packet one-way delay: 0.963 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 5.32 Mbit/s
95th percentile per-packet one-way delay: 0.963 ms
Loss rate: 0.01%
```

Run 1: Report of PCC-Expr — Data Link



Run 2: Statistics of PCC-Expr

Start at: 2019-01-25 11:32:34

End at: 2019-01-25 11:33:04

Local clock offset: 4.058 ms

Remote clock offset: 4.333 ms

Below is generated by plot.py at 2019-01-25 14:07:38

Datalink statistics

-- Total of 1 flow:

Average throughput: 6.17 Mbit/s

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

Loss rate: 0.00%

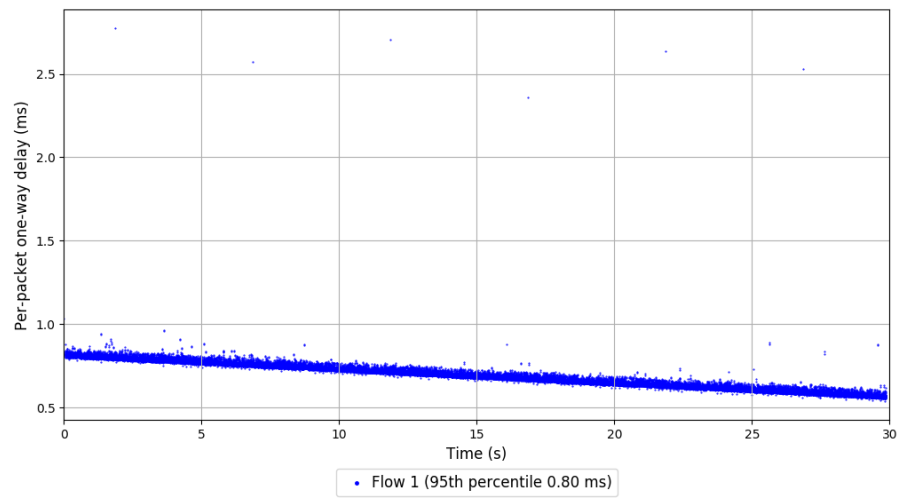
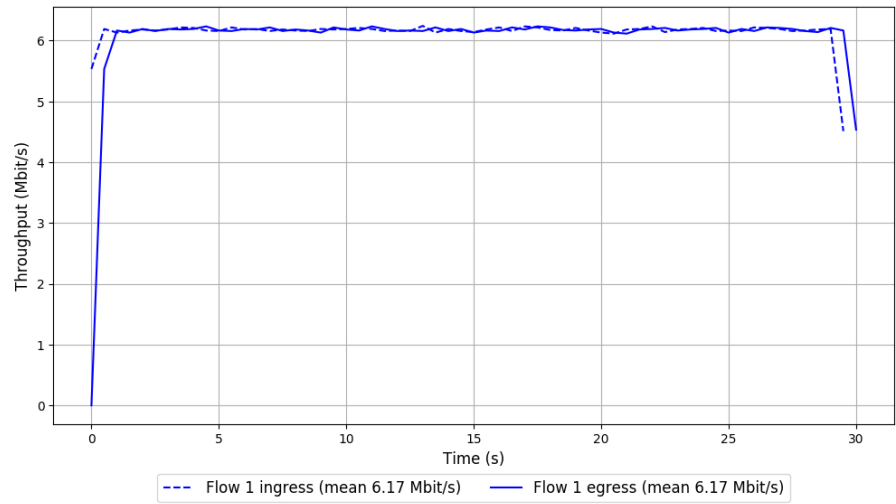
-- Flow 1:

Average throughput: 6.17 Mbit/s

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

Loss rate: 0.00%

Run 2: Report of PCC-Expr — Data Link



Run 3: Statistics of PCC-Expr

Start at: 2019-01-25 12:01:45

End at: 2019-01-25 12:02:15

Local clock offset: 4.67 ms

Remote clock offset: 0.919 ms

Below is generated by plot.py at 2019-01-25 14:07:38

Datalink statistics

-- Total of 1 flow:

Average throughput: 314.55 Mbit/s

95th percentile per-packet one-way delay: 1.295 ms

Loss rate: 0.01%

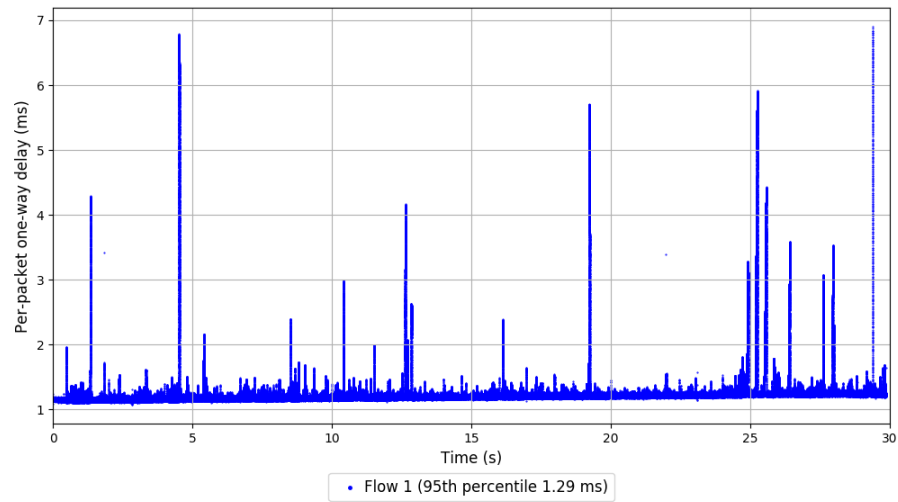
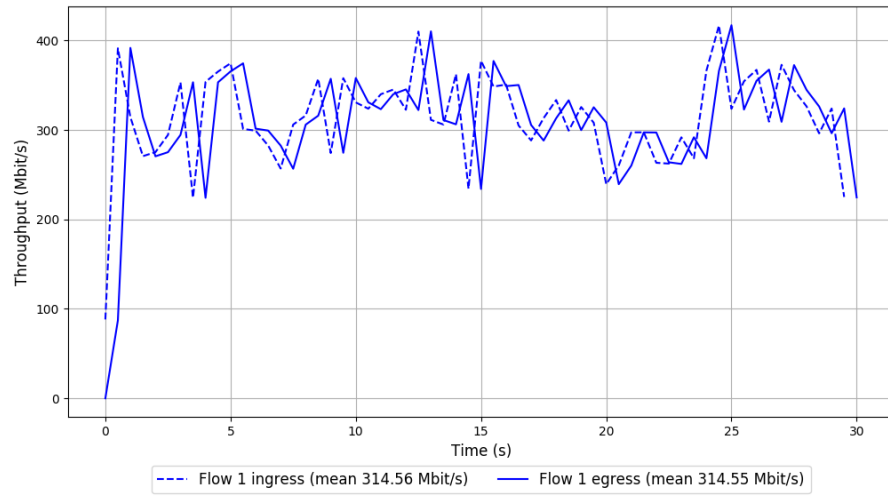
-- Flow 1:

Average throughput: 314.55 Mbit/s

95th percentile per-packet one-way delay: 1.295 ms

Loss rate: 0.01%

Run 3: Report of PCC-Expr — Data Link

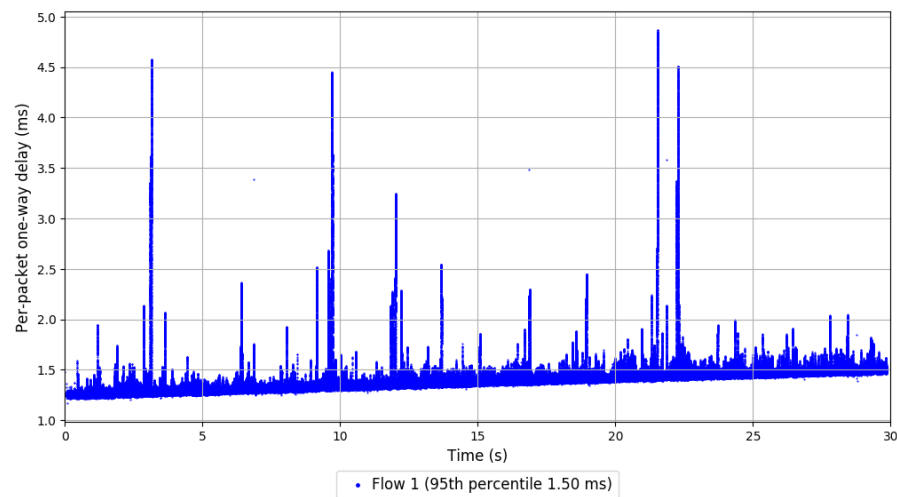
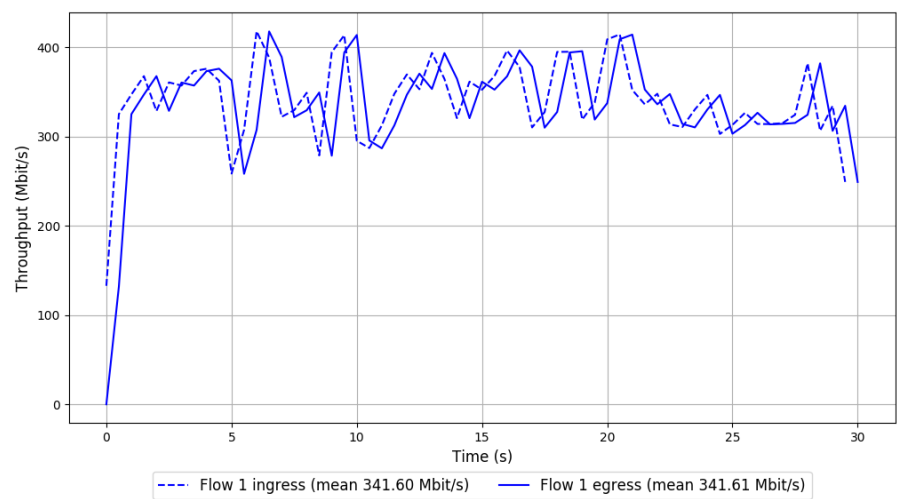


Run 4: Statistics of PCC-Expr

Start at: 2019-01-25 12:31:37
End at: 2019-01-25 12:32:07
Local clock offset: 1.396 ms
Remote clock offset: -3.792 ms

Below is generated by plot.py at 2019-01-25 14:07:38
Datalink statistics
-- Total of 1 flow:
Average throughput: 341.61 Mbit/s
95th percentile per-packet one-way delay: 1.505 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 341.61 Mbit/s
95th percentile per-packet one-way delay: 1.505 ms
Loss rate: 0.01%

Run 4: Report of PCC-Expr — Data Link

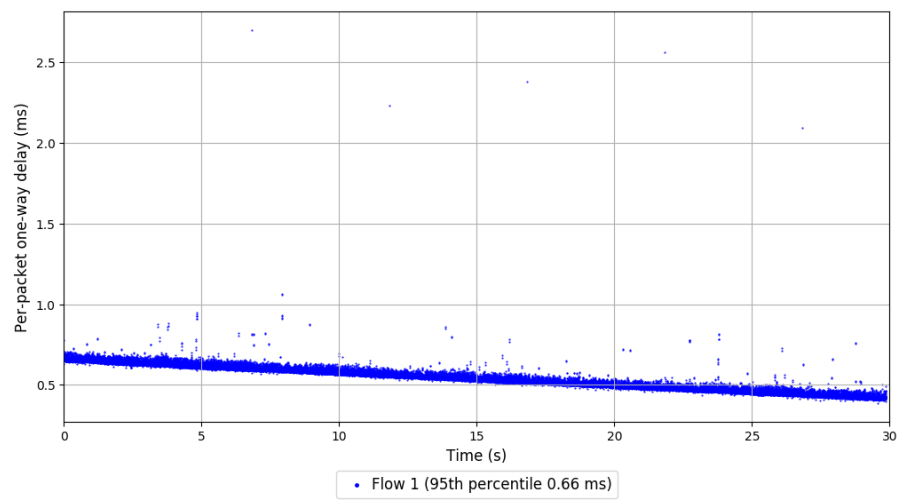
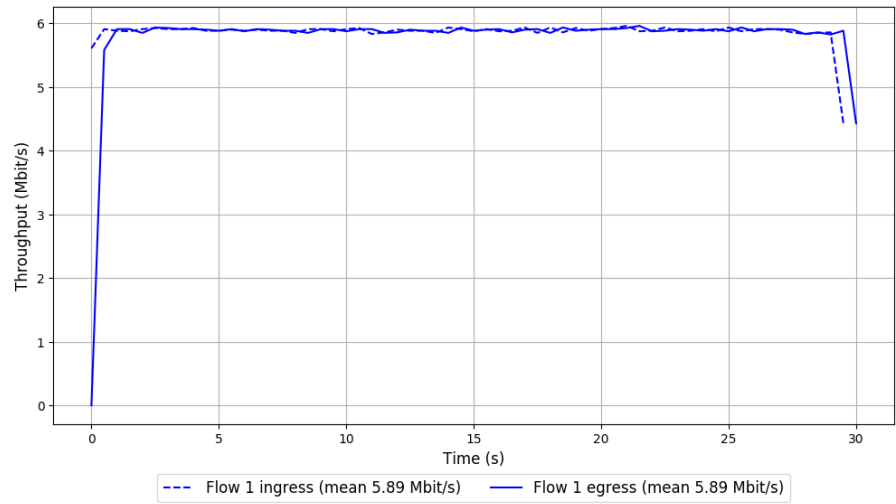


Run 5: Statistics of PCC-Expr

Start at: 2019-01-25 13:01:21
End at: 2019-01-25 13:01:51
Local clock offset: -4.236 ms
Remote clock offset: -3.402 ms

Below is generated by plot.py at 2019-01-25 14:07:38
Datalink statistics
-- Total of 1 flow:
Average throughput: 5.89 Mbit/s
95th percentile per-packet one-way delay: 0.655 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 5.89 Mbit/s
95th percentile per-packet one-way delay: 0.655 ms
Loss rate: 0.00%

Run 5: Report of PCC-Expr — Data Link



Run 1: Statistics of QUIC Cubic

Start at: 2019-01-25 10:42:58

End at: 2019-01-25 10:43:28

Local clock offset: 0.084 ms

Remote clock offset: -3.008 ms

Below is generated by plot.py at 2019-01-25 14:07:38

Datalink statistics

-- Total of 1 flow:

Average throughput: 94.71 Mbit/s

95th percentile per-packet one-way delay: 0.995 ms

Loss rate: 0.01%

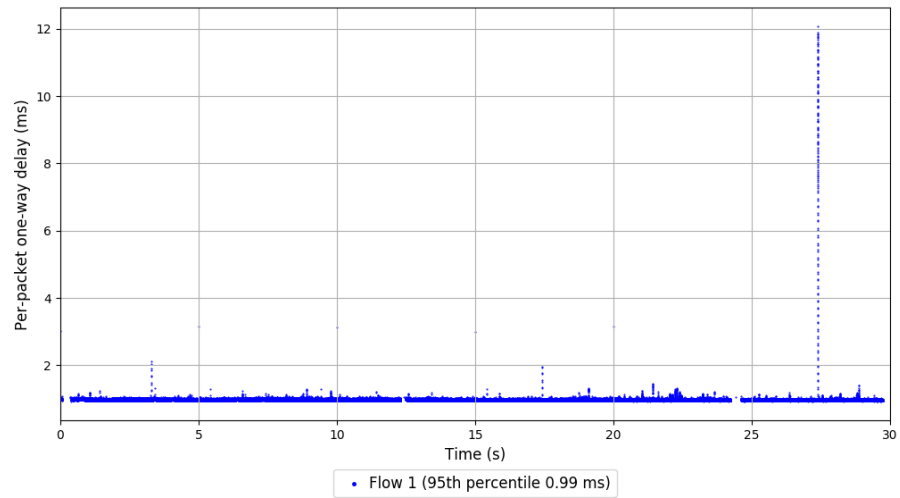
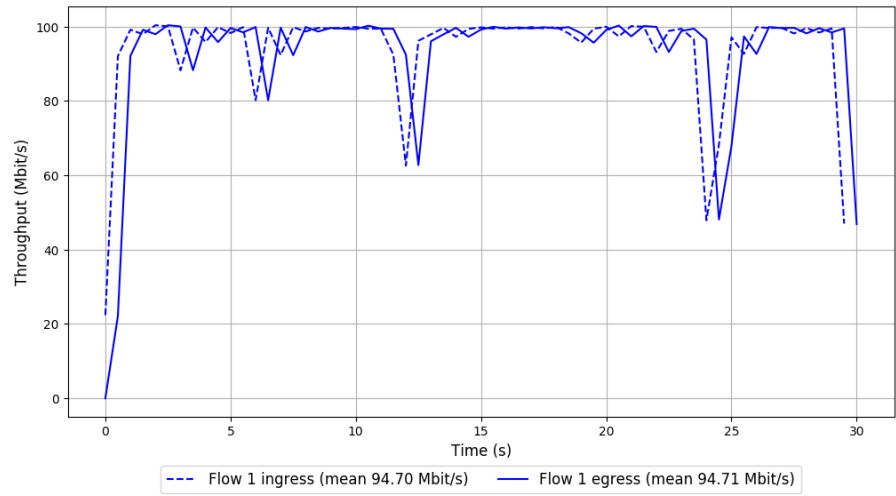
-- Flow 1:

Average throughput: 94.71 Mbit/s

95th percentile per-packet one-way delay: 0.995 ms

Loss rate: 0.01%

Run 1: Report of QUIC Cubic — Data Link



Run 2: Statistics of QUIC Cubic

Start at: 2019-01-25 11:12:23

End at: 2019-01-25 11:12:53

Local clock offset: 2.753 ms

Remote clock offset: 4.318 ms

Below is generated by plot.py at 2019-01-25 14:07:38

Datalink statistics

-- Total of 1 flow:

Average throughput: 84.54 Mbit/s

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

Loss rate: 0.01%

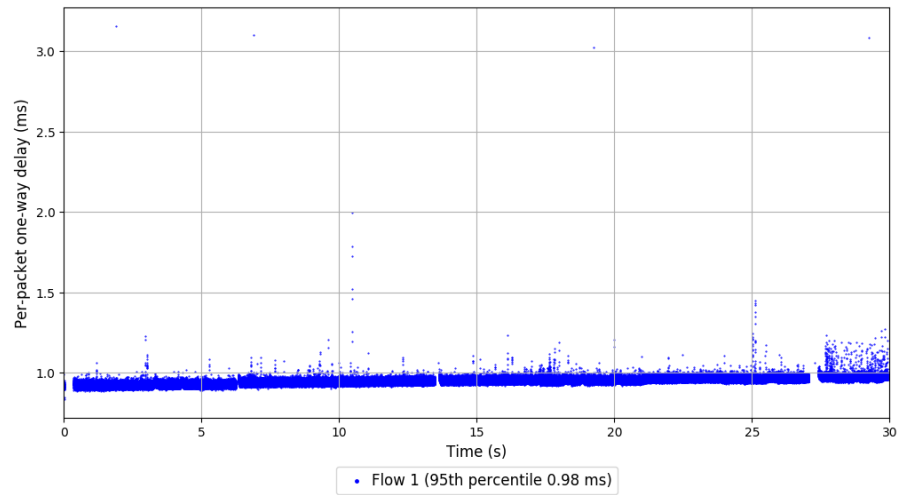
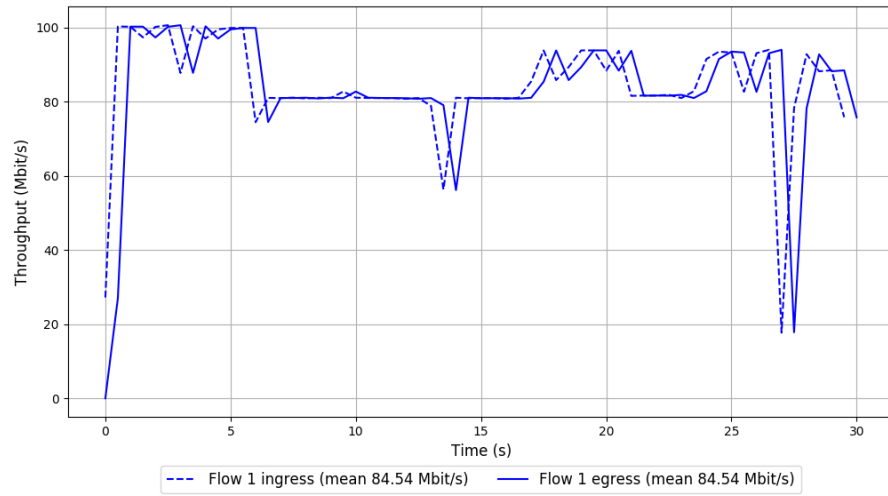
-- Flow 1:

Average throughput: 84.54 Mbit/s

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

Loss rate: 0.01%

Run 2: Report of QUIC Cubic — Data Link



Run 3: Statistics of QUIC Cubic

Start at: 2019-01-25 11:41:58

End at: 2019-01-25 11:42:28

Local clock offset: 4.482 ms

Remote clock offset: 1.678 ms

Below is generated by plot.py at 2019-01-25 14:07:38

Datalink statistics

-- Total of 1 flow:

Average throughput: 95.41 Mbit/s

95th percentile per-packet one-way delay: 0.961 ms

Loss rate: 0.01%

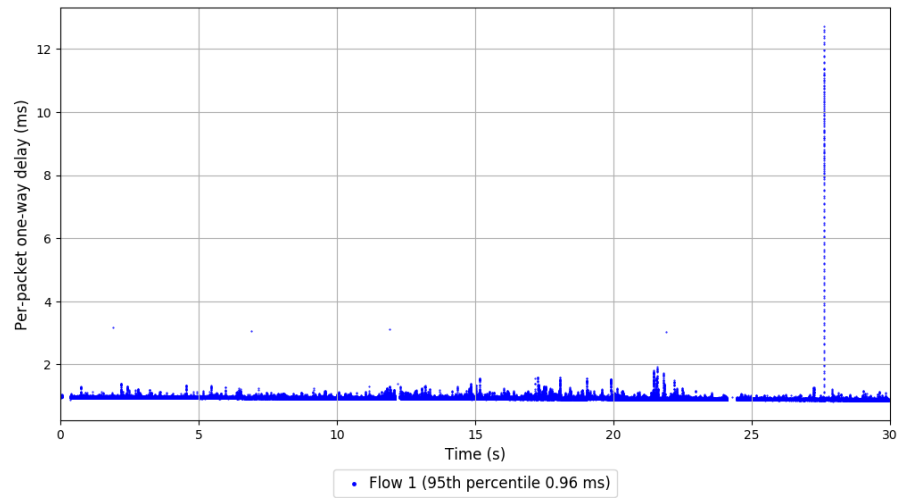
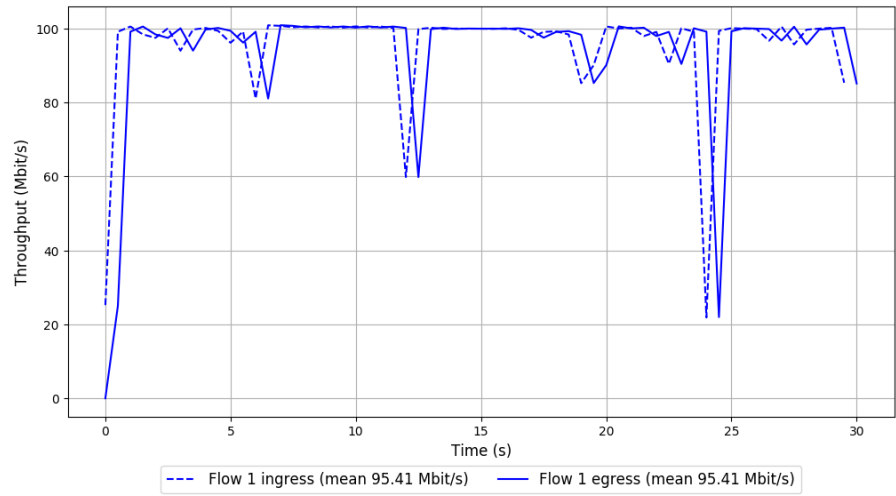
-- Flow 1:

Average throughput: 95.41 Mbit/s

95th percentile per-packet one-way delay: 0.961 ms

Loss rate: 0.01%

Run 3: Report of QUIC Cubic — Data Link



Run 4: Statistics of QUIC Cubic

Start at: 2019-01-25 12:11:31

End at: 2019-01-25 12:12:01

Local clock offset: 3.309 ms

Remote clock offset: -1.86 ms

Below is generated by plot.py at 2019-01-25 14:07:38

Datalink statistics

-- Total of 1 flow:

Average throughput: 81.48 Mbit/s

95th percentile per-packet one-way delay: 0.890 ms

Loss rate: 0.01%

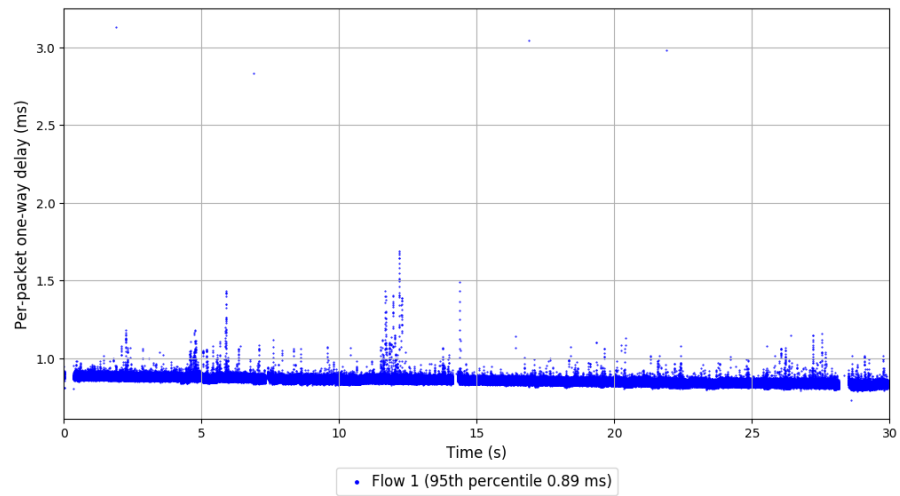
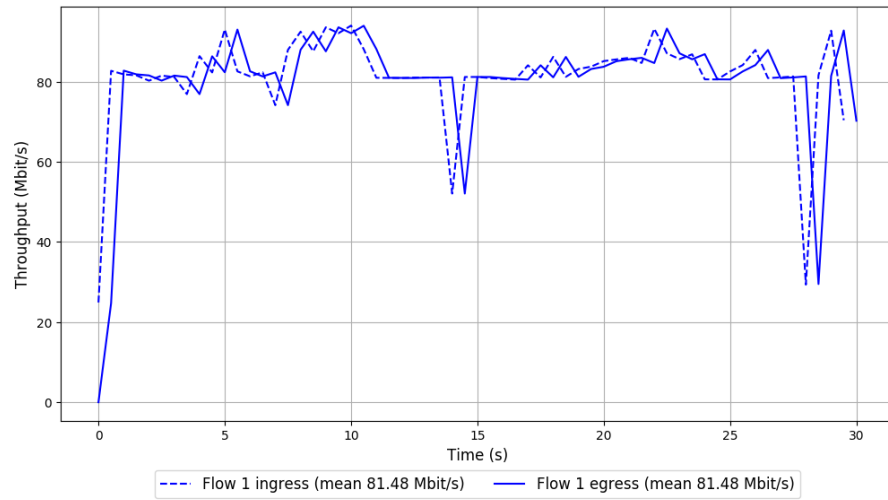
-- Flow 1:

Average throughput: 81.48 Mbit/s

95th percentile per-packet one-way delay: 0.890 ms

Loss rate: 0.01%

Run 4: Report of QUIC Cubic — Data Link

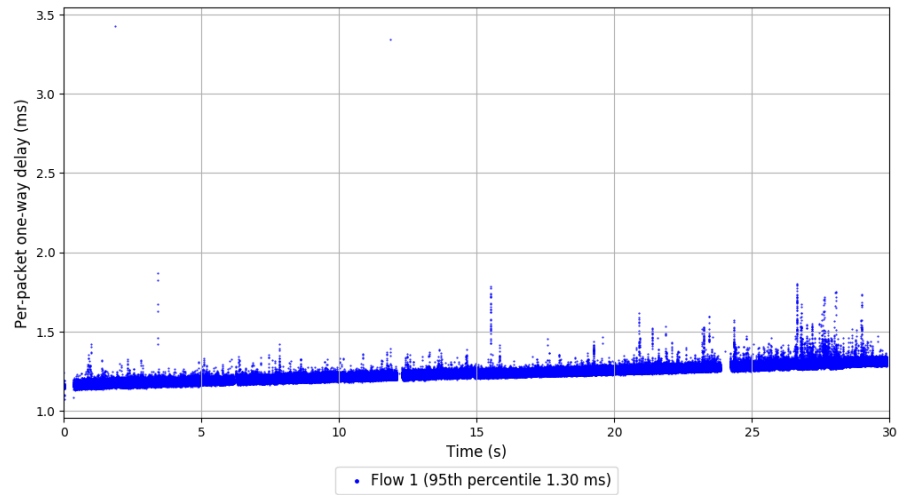
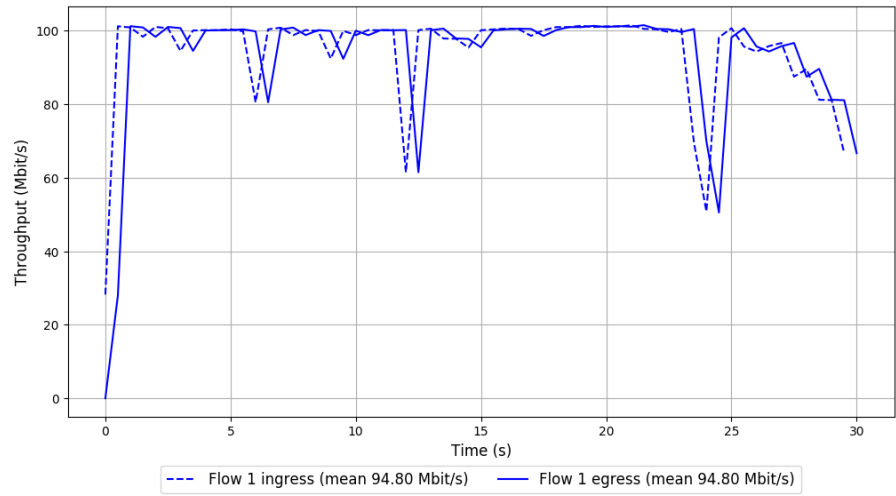


Run 5: Statistics of QUIC Cubic

Start at: 2019-01-25 12:41:16
End at: 2019-01-25 12:41:46
Local clock offset: -2.354 ms
Remote clock offset: -3.669 ms

Below is generated by plot.py at 2019-01-25 14:07:38
Datalink statistics
-- Total of 1 flow:
Average throughput: 94.80 Mbit/s
95th percentile per-packet one-way delay: 1.301 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 94.80 Mbit/s
95th percentile per-packet one-way delay: 1.301 ms
Loss rate: 0.01%

Run 5: Report of QUIC Cubic — Data Link

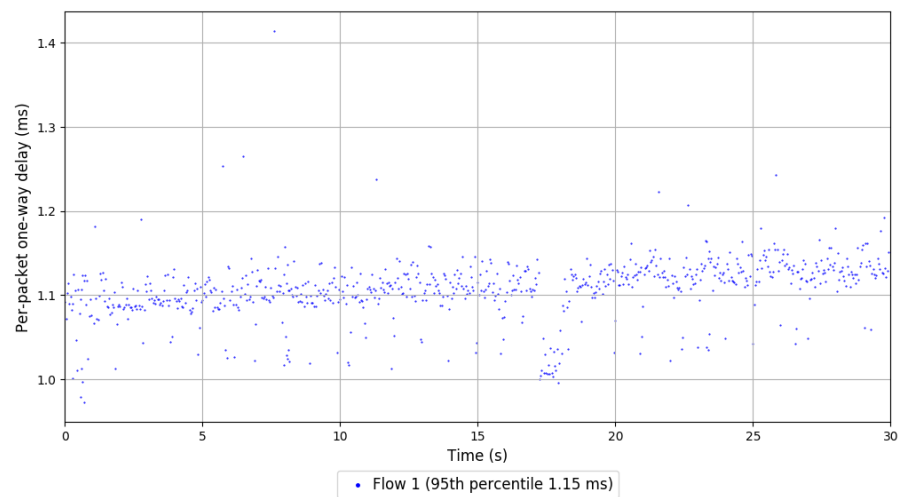
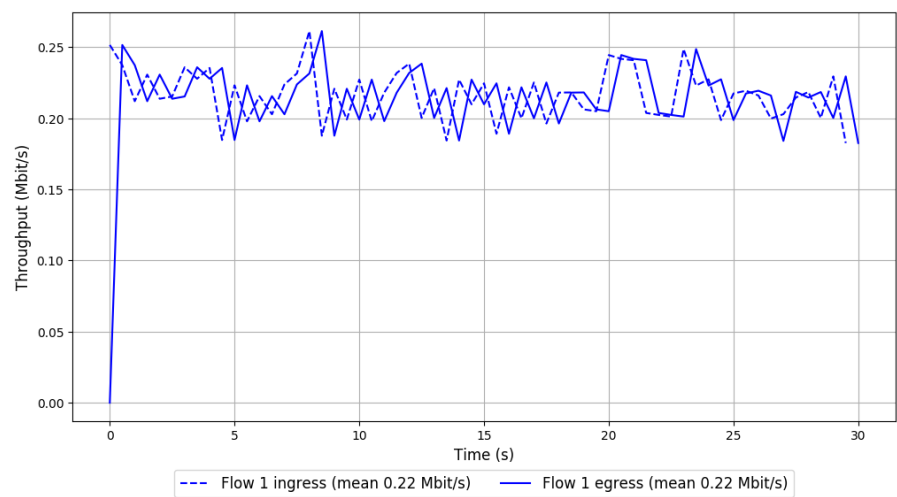


```
Run 1: Statistics of SCReAM

Start at: 2019-01-25 11:08:30
End at: 2019-01-25 11:09:00
Local clock offset: 2.267 ms
Remote clock offset: 3.378 ms

# Below is generated by plot.py at 2019-01-25 14:07:38
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 1.151 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 1.151 ms
Loss rate: 0.00%
```

Run 1: Report of SReAM — Data Link



Run 2: Statistics of SCReAM

Start at: 2019-01-25 11:38:04

End at: 2019-01-25 11:38:34

Local clock offset: 4.301 ms

Remote clock offset: 2.38 ms

Below is generated by plot.py at 2019-01-25 14:07:38

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 1.039 ms

Loss rate: 0.00%

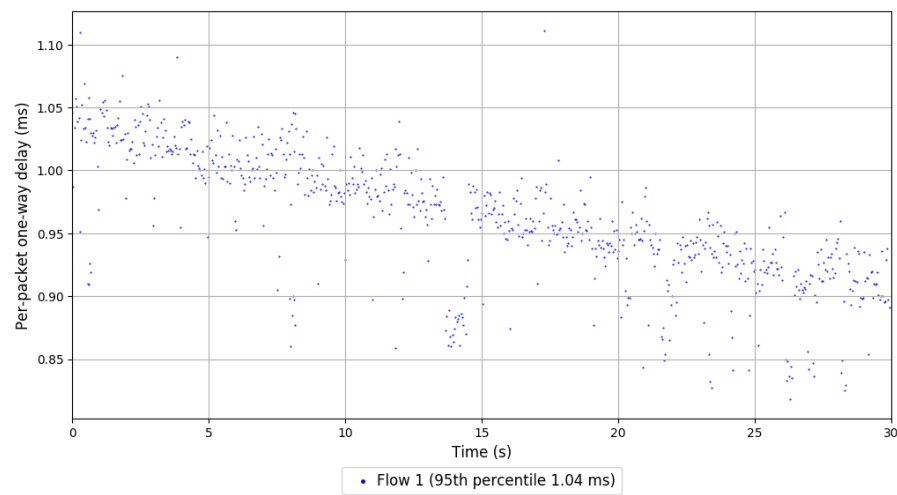
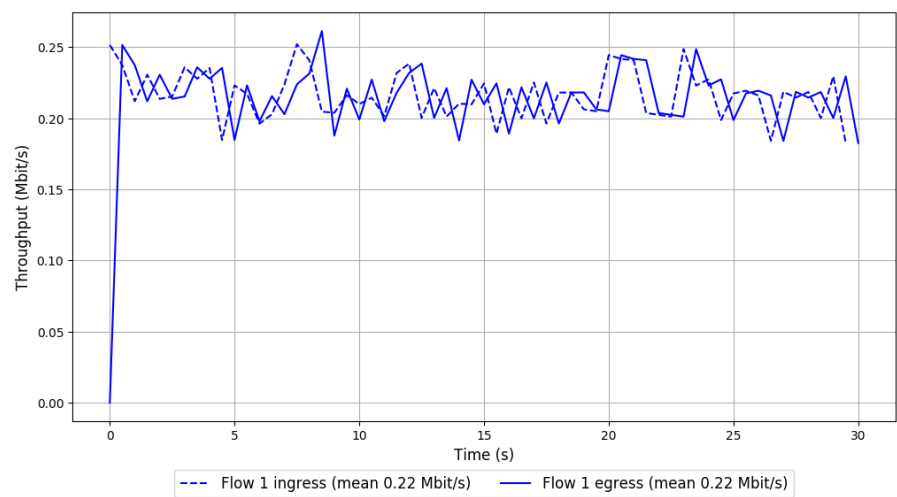
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 1.039 ms

Loss rate: 0.00%

Run 2: Report of SReAM — Data Link

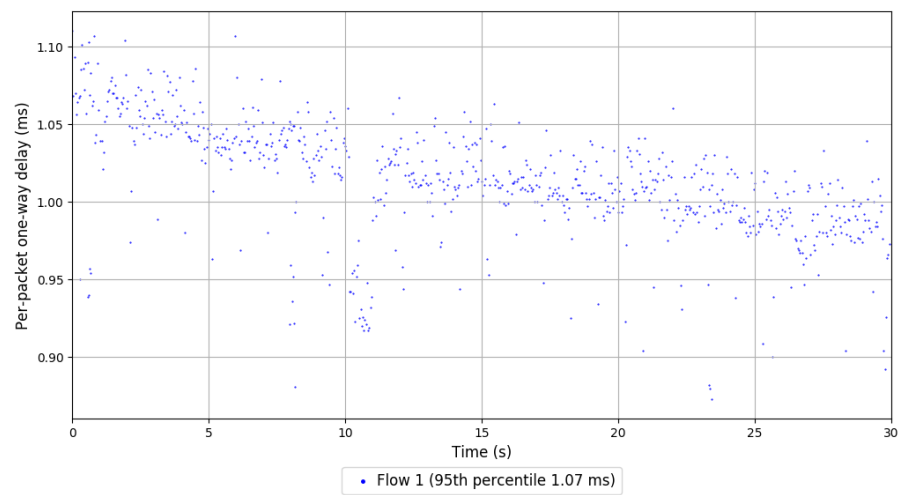
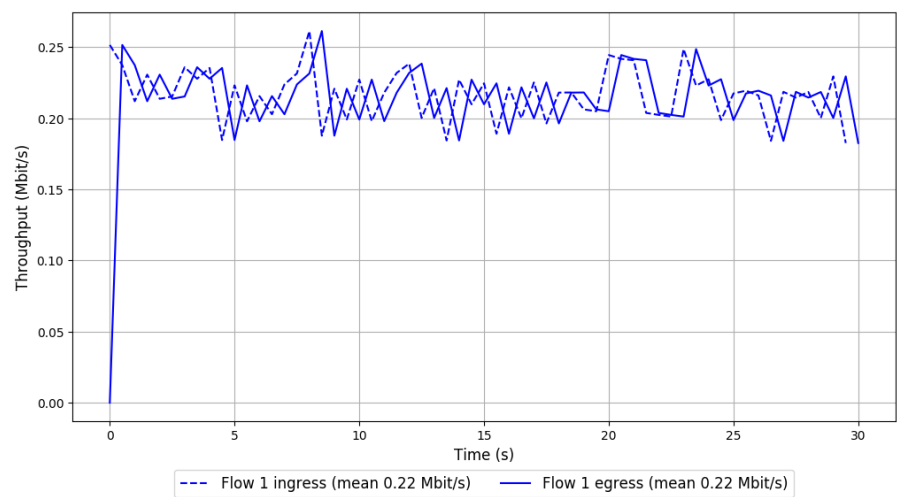


Run 3: Statistics of SCReAM

Start at: 2019-01-25 12:07:37
End at: 2019-01-25 12:08:07
Local clock offset: 3.692 ms
Remote clock offset: -0.992 ms

Below is generated by plot.py at 2019-01-25 14:07:38
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 1.070 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 1.070 ms
Loss rate: 0.00%

Run 3: Report of SReAM — Data Link

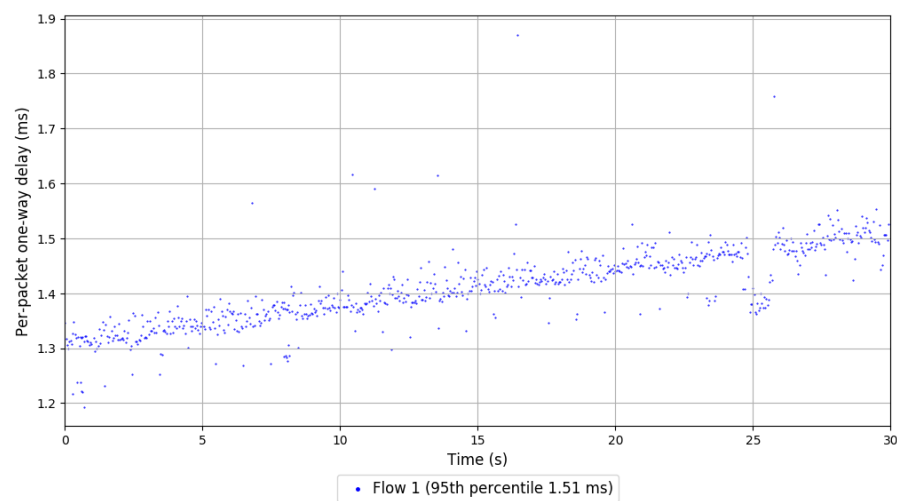
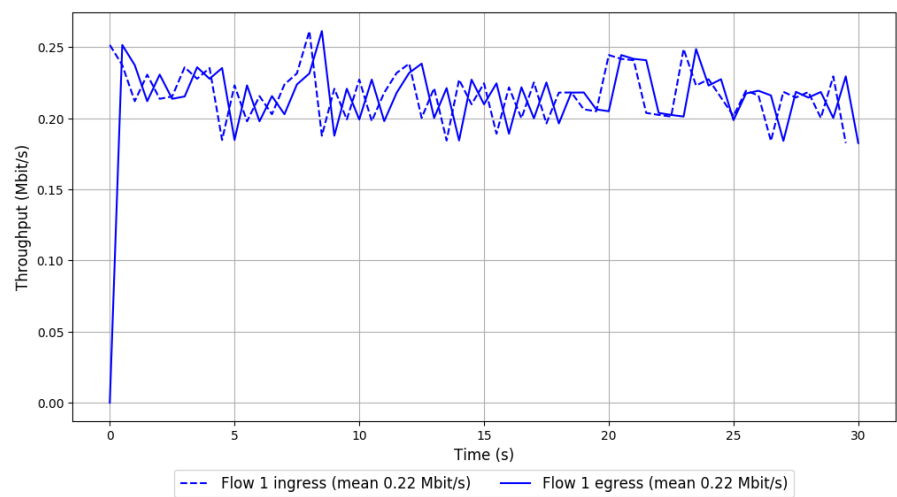


Run 4: Statistics of SCReAM

Start at: 2019-01-25 12:37:22
End at: 2019-01-25 12:37:52
Local clock offset: -1.188 ms
Remote clock offset: -3.925 ms

Below is generated by plot.py at 2019-01-25 14:07:38
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 1.508 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 1.508 ms
Loss rate: 0.00%

Run 4: Report of SReAM — Data Link

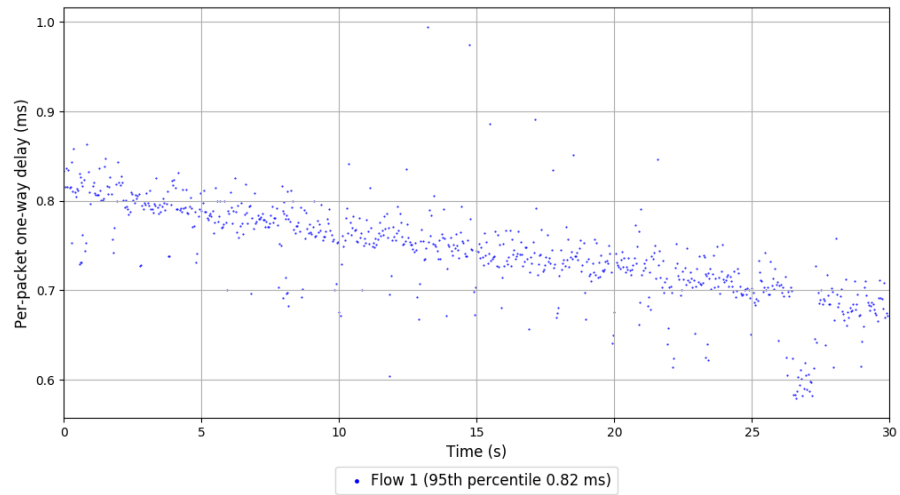
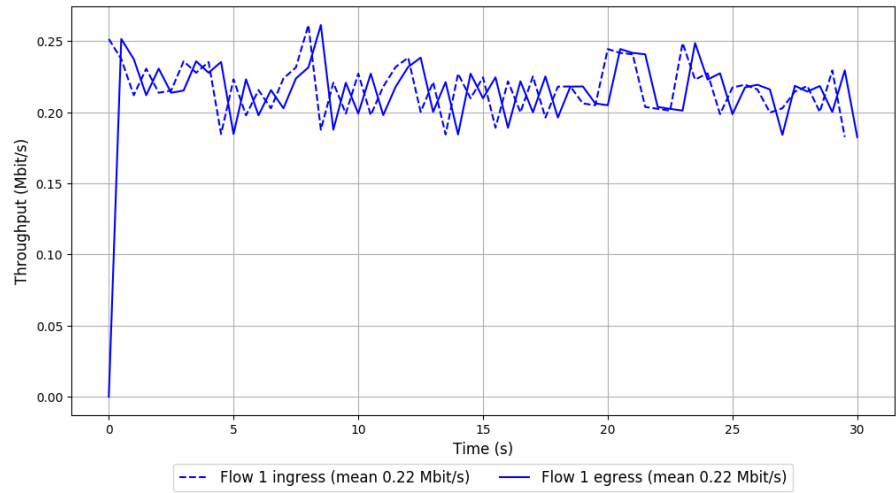


Run 5: Statistics of SCReAM

Start at: 2019-01-25 13:06:51
End at: 2019-01-25 13:07:21
Local clock offset: -2.191 ms
Remote clock offset: -3.436 ms

Below is generated by plot.py at 2019-01-25 14:07:38
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 0.816 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 0.816 ms
Loss rate: 0.00%

Run 5: Report of SReAM — Data Link

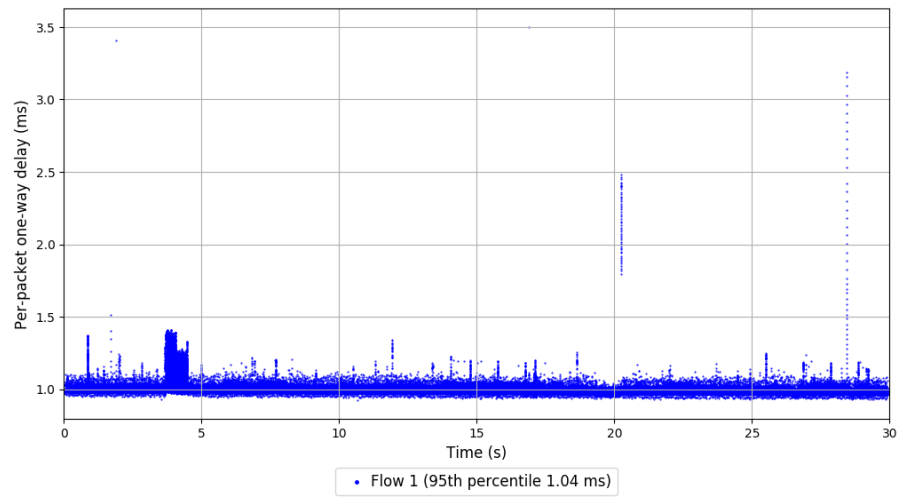
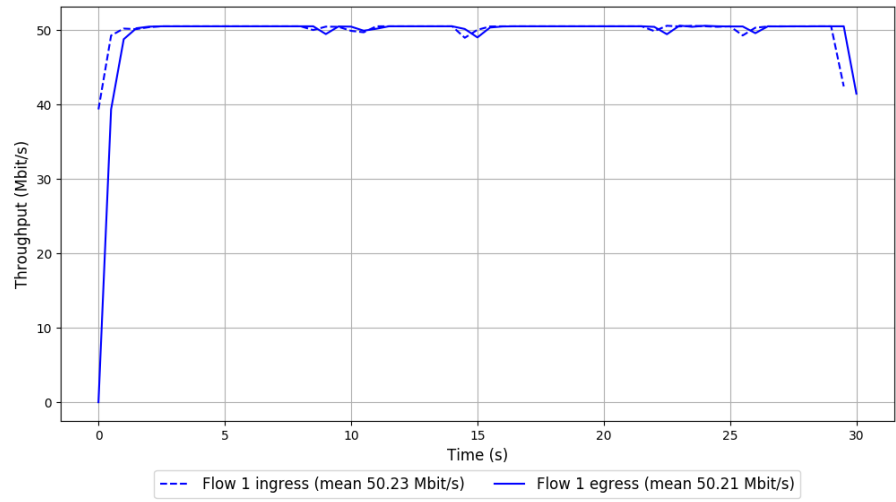


Run 1: Statistics of Sprout

Start at: 2019-01-25 10:44:14
End at: 2019-01-25 10:44:44
Local clock offset: 0.117 ms
Remote clock offset: -3.022 ms

Below is generated by plot.py at 2019-01-25 14:07:38
Datalink statistics
-- Total of 1 flow:
Average throughput: 50.21 Mbit/s
95th percentile per-packet one-way delay: 1.044 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 50.21 Mbit/s
95th percentile per-packet one-way delay: 1.044 ms
Loss rate: 0.03%

Run 1: Report of Sprout — Data Link



Run 2: Statistics of Sprout

Start at: 2019-01-25 11:13:39

End at: 2019-01-25 11:14:09

Local clock offset: 2.9 ms

Remote clock offset: 4.574 ms

Below is generated by plot.py at 2019-01-25 14:07:38

Datalink statistics

-- Total of 1 flow:

Average throughput: 50.22 Mbit/s

95th percentile per-packet one-way delay: 1.035 ms

Loss rate: 0.00%

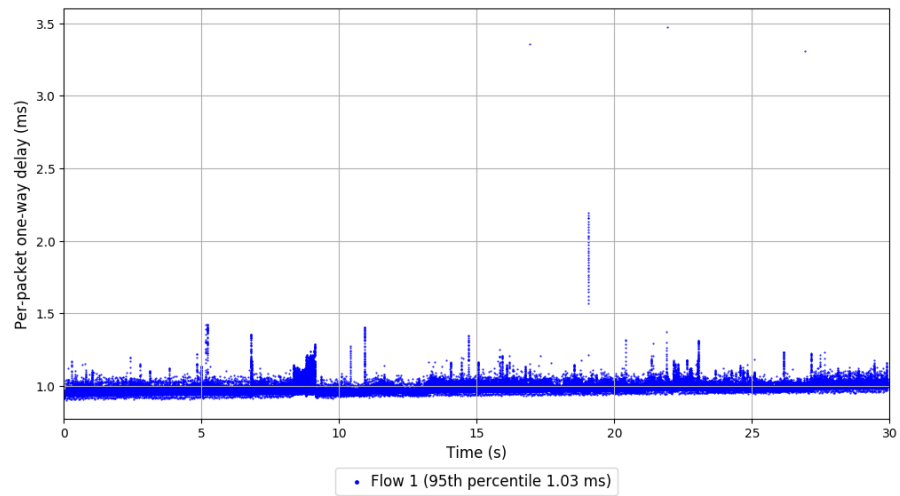
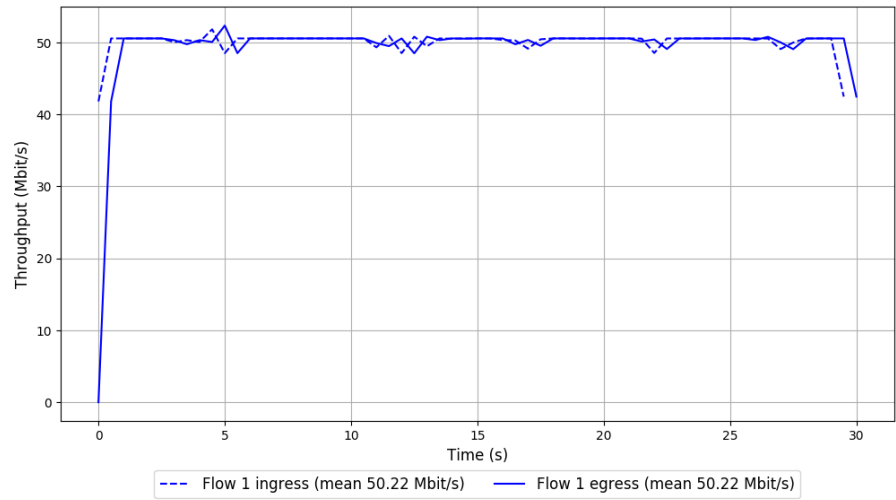
-- Flow 1:

Average throughput: 50.22 Mbit/s

95th percentile per-packet one-way delay: 1.035 ms

Loss rate: 0.00%

Run 2: Report of Sprout — Data Link

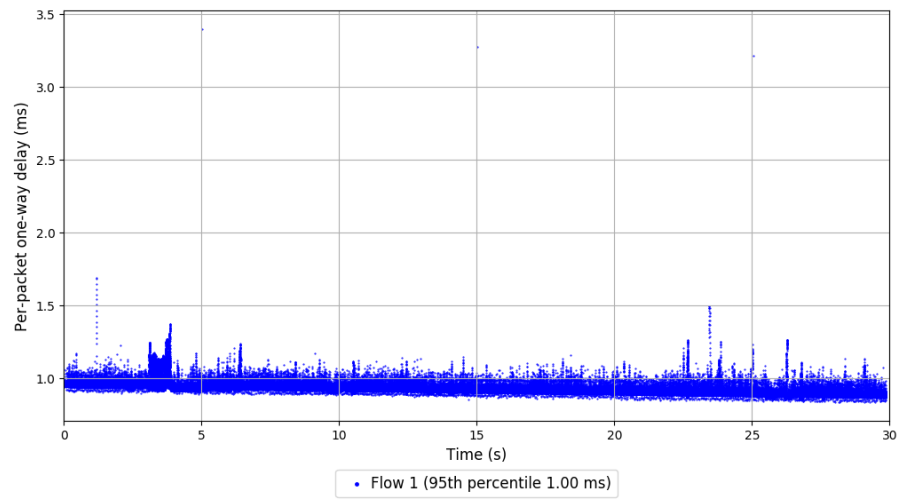
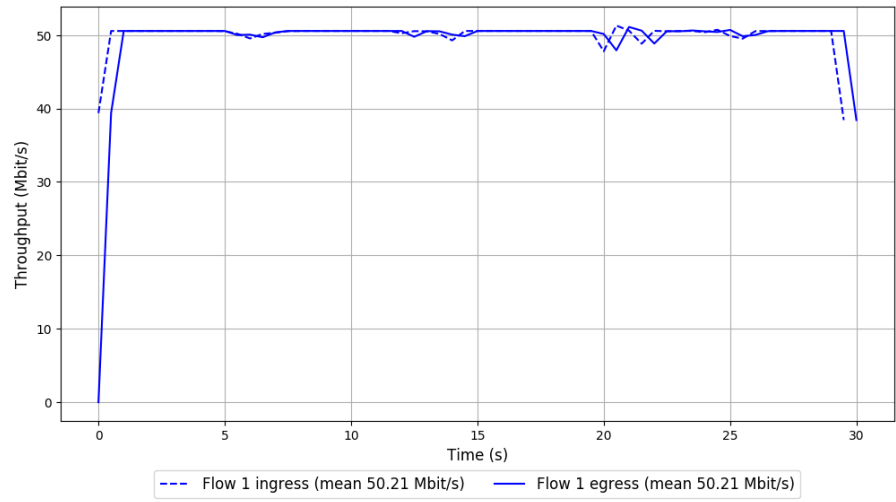


Run 3: Statistics of Sprout

Start at: 2019-01-25 11:43:14
End at: 2019-01-25 11:43:44
Local clock offset: 4.512 ms
Remote clock offset: 1.519 ms

Below is generated by plot.py at 2019-01-25 14:07:38
Datalink statistics
-- Total of 1 flow:
Average throughput: 50.21 Mbit/s
95th percentile per-packet one-way delay: 0.998 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 50.21 Mbit/s
95th percentile per-packet one-way delay: 0.998 ms
Loss rate: 0.00%

Run 3: Report of Sprout — Data Link

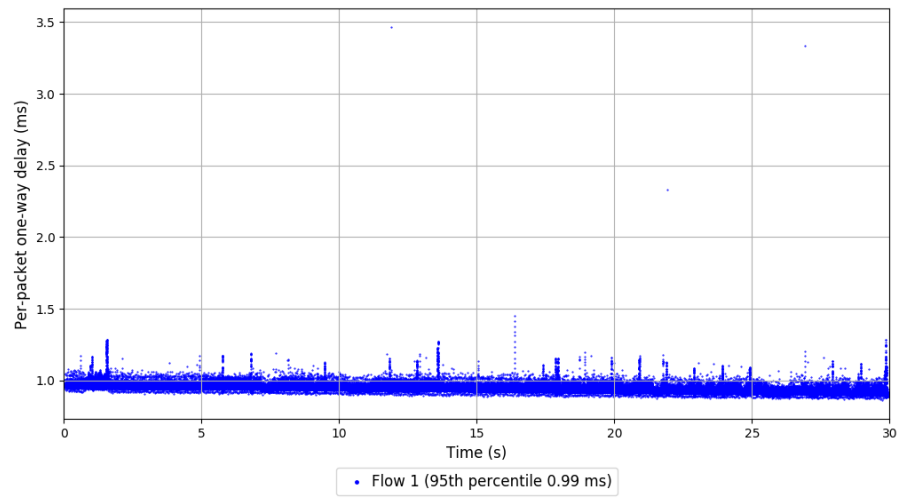
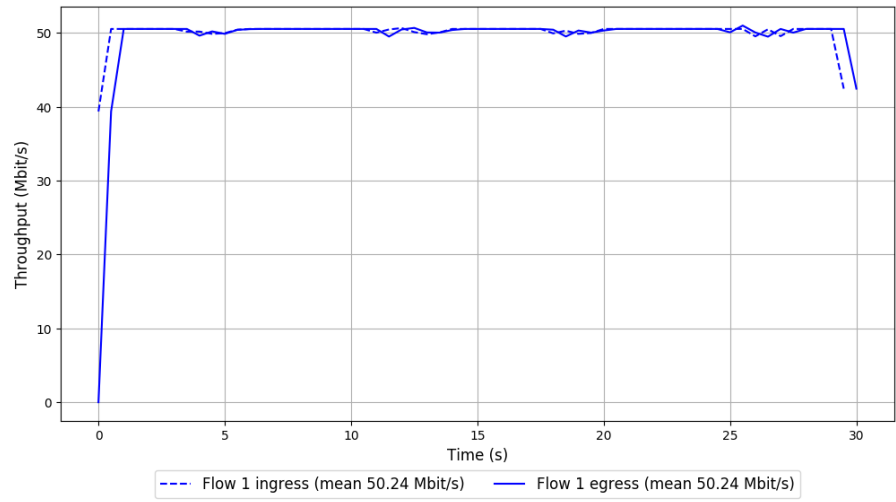


Run 4: Statistics of Sprout

Start at: 2019-01-25 12:12:47
End at: 2019-01-25 12:13:17
Local clock offset: 3.226 ms
Remote clock offset: -2.136 ms

Below is generated by plot.py at 2019-01-25 14:07:38
Datalink statistics
-- Total of 1 flow:
Average throughput: 50.24 Mbit/s
95th percentile per-packet one-way delay: 0.994 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 50.24 Mbit/s
95th percentile per-packet one-way delay: 0.994 ms
Loss rate: 0.00%

Run 4: Report of Sprout — Data Link

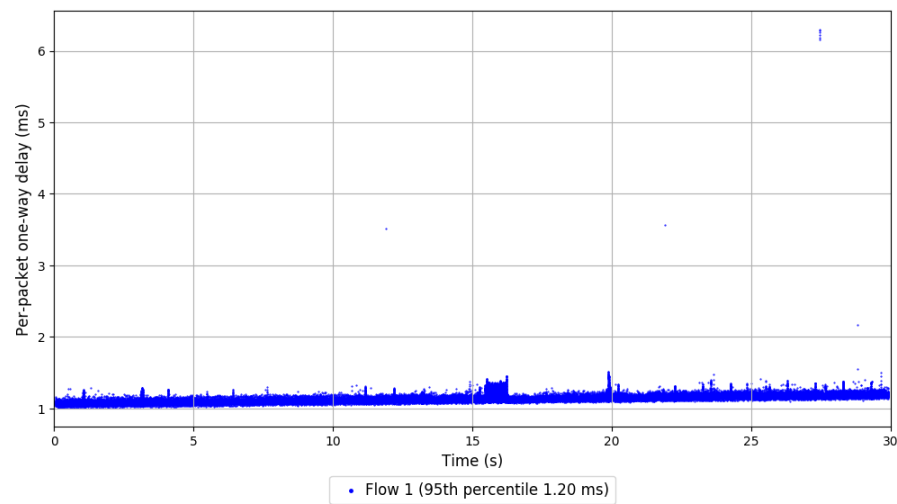
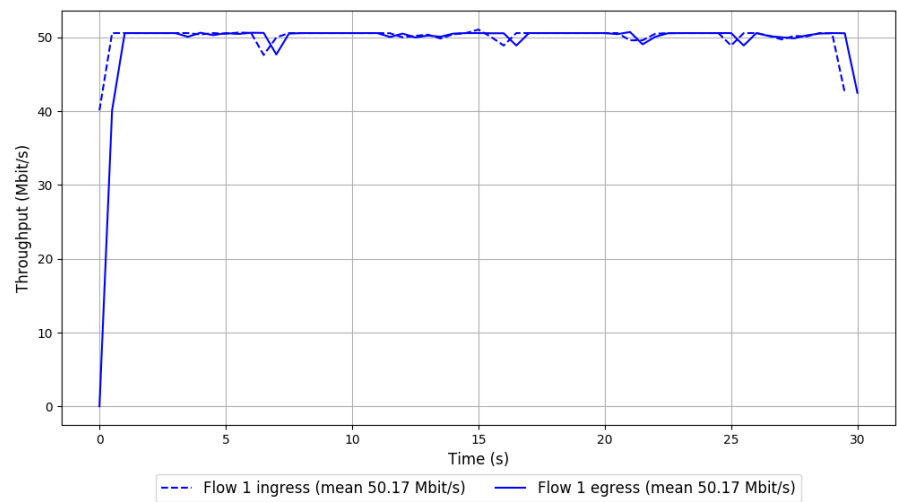


Run 5: Statistics of Sprout

Start at: 2019-01-25 12:42:32
End at: 2019-01-25 12:43:02
Local clock offset: -2.655 ms
Remote clock offset: -3.503 ms

Below is generated by plot.py at 2019-01-25 14:07:38
Datalink statistics
-- Total of 1 flow:
Average throughput: 50.17 Mbit/s
95th percentile per-packet one-way delay: 1.201 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 50.17 Mbit/s
95th percentile per-packet one-way delay: 1.201 ms
Loss rate: 0.00%

Run 5: Report of Sprout — Data Link



Run 1: Statistics of TaoVA-100x

Start at: 2019-01-25 10:48:42

End at: 2019-01-25 10:49:12

Local clock offset: 0.134 ms

Remote clock offset: -3.117 ms

Below is generated by plot.py at 2019-01-25 14:07:38

Datalink statistics

-- Total of 1 flow:

Average throughput: 25.69 Mbit/s

95th percentile per-packet one-way delay: 1.030 ms

Loss rate: 0.00%

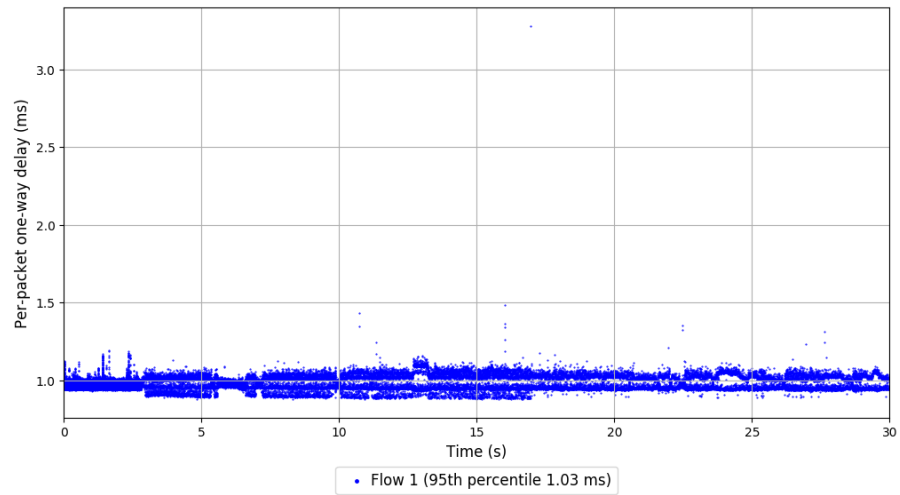
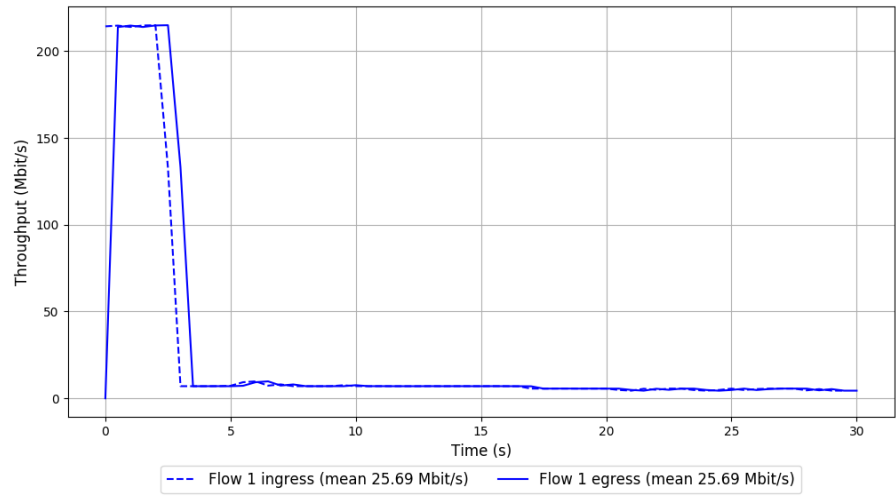
-- Flow 1:

Average throughput: 25.69 Mbit/s

95th percentile per-packet one-way delay: 1.030 ms

Loss rate: 0.00%

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



Run 2: Statistics of TaoVA-100x

Start at: 2019-01-25 11:18:09

End at: 2019-01-25 11:18:39

Local clock offset: 3.265 ms

Remote clock offset: 5.339 ms

Below is generated by plot.py at 2019-01-25 14:07:38

Datalink statistics

-- Total of 1 flow:

Average throughput: 99.27 Mbit/s

95th percentile per-packet one-way delay: 1.057 ms

Loss rate: 0.01%

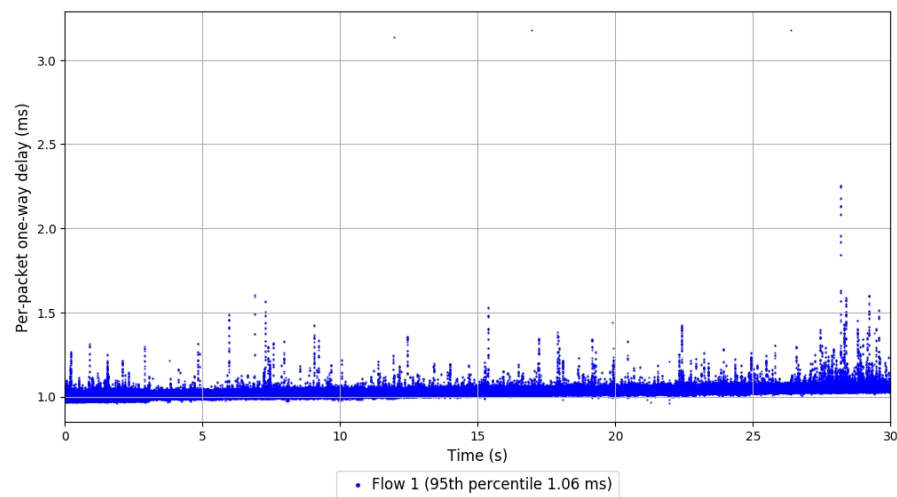
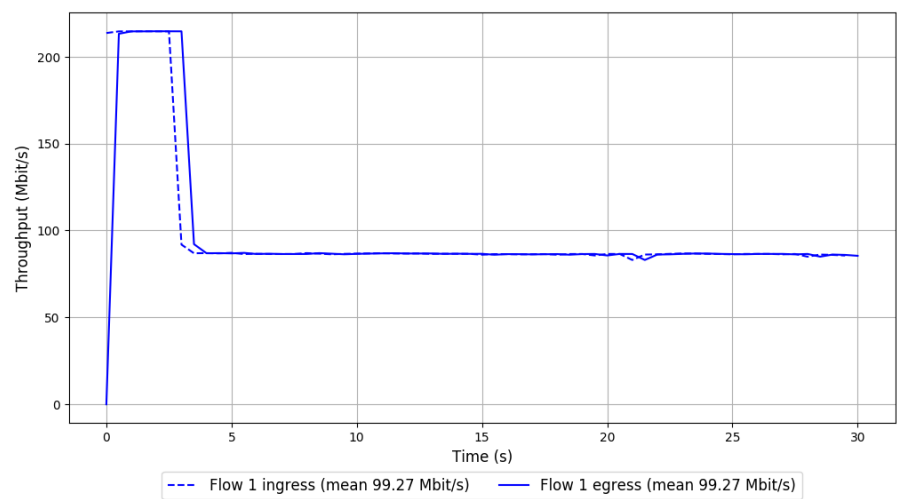
-- Flow 1:

Average throughput: 99.27 Mbit/s

95th percentile per-packet one-way delay: 1.057 ms

Loss rate: 0.01%

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



Run 3: Statistics of TaoVA-100x

Start at: 2019-01-25 11:47:40

End at: 2019-01-25 11:48:10

Local clock offset: 4.699 ms

Remote clock offset: 1.138 ms

Below is generated by plot.py at 2019-01-25 14:07:38

Datalink statistics

-- Total of 1 flow:

Average throughput: 19.68 Mbit/s

95th percentile per-packet one-way delay: 1.012 ms

Loss rate: 0.00%

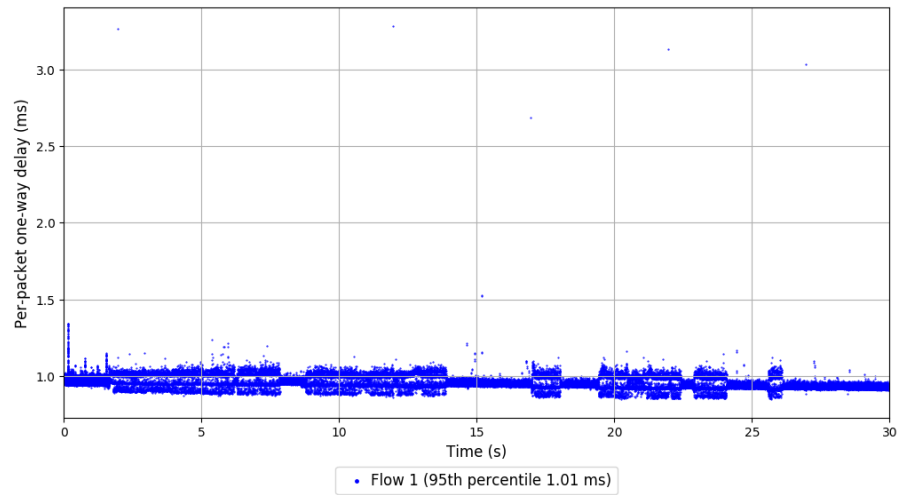
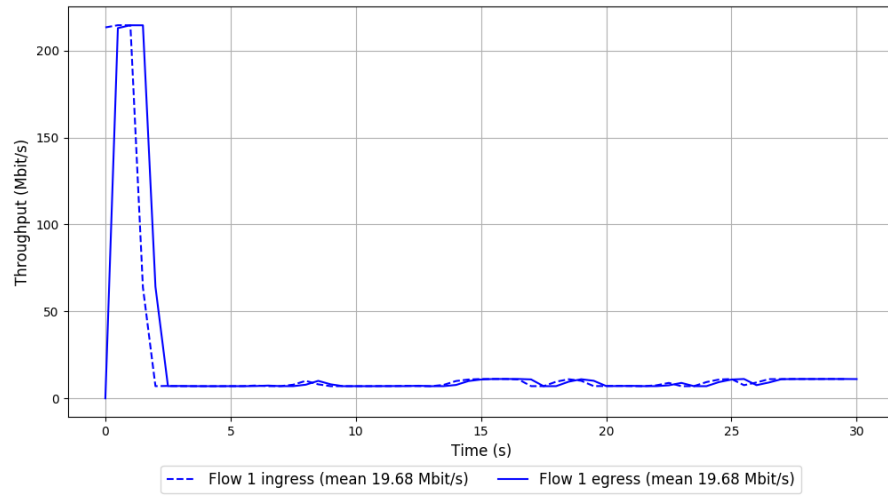
-- Flow 1:

Average throughput: 19.68 Mbit/s

95th percentile per-packet one-way delay: 1.012 ms

Loss rate: 0.00%

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



Run 4: Statistics of TaoVA-100x

Start at: 2019-01-25 12:17:13

End at: 2019-01-25 12:17:43

Local clock offset: 3.012 ms

Remote clock offset: -2.712 ms

Below is generated by plot.py at 2019-01-25 14:07:38

Datalink statistics

-- Total of 1 flow:

Average throughput: 101.20 Mbit/s

95th percentile per-packet one-way delay: 0.927 ms

Loss rate: 0.00%

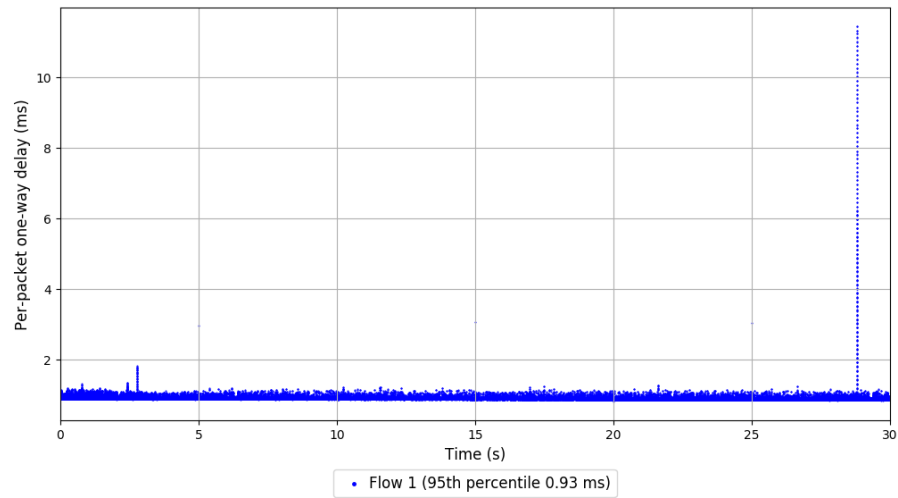
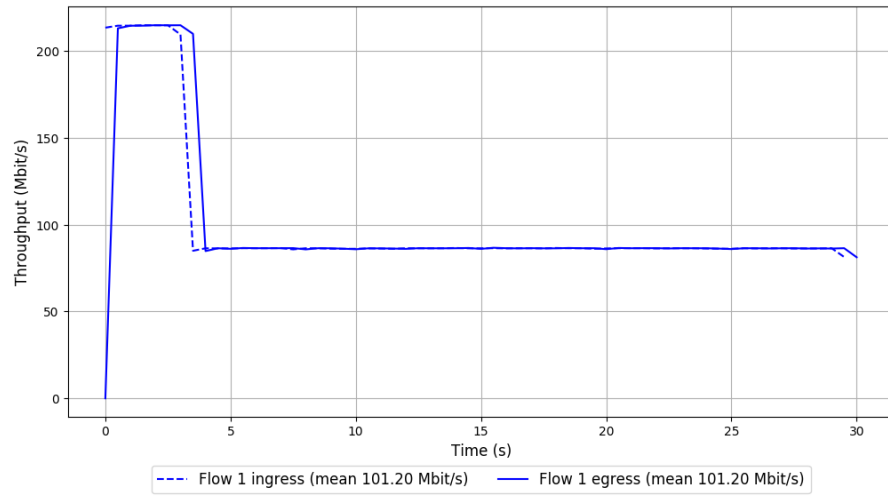
-- Flow 1:

Average throughput: 101.20 Mbit/s

95th percentile per-packet one-way delay: 0.927 ms

Loss rate: 0.00%

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

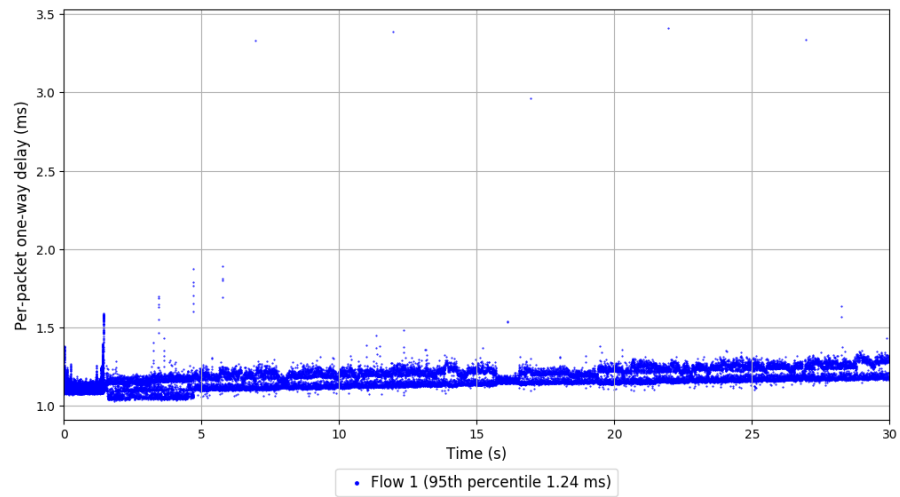
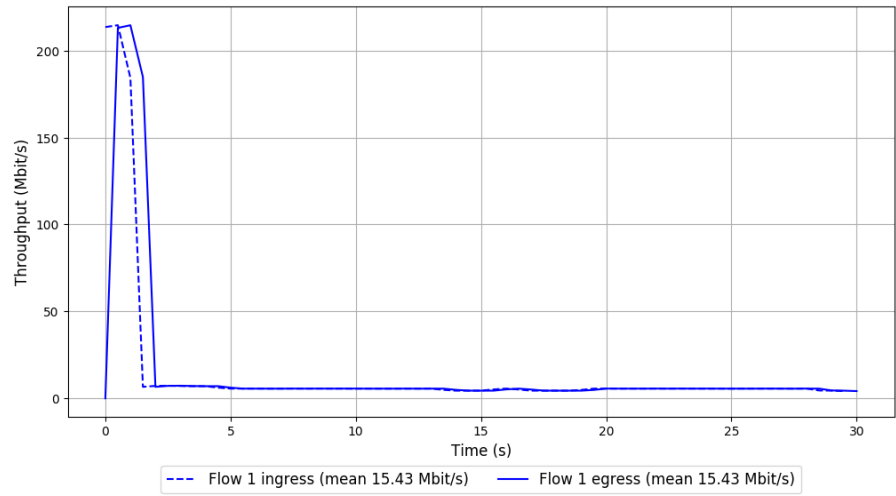


Run 5: Statistics of TaoVA-100x

Start at: 2019-01-25 12:47:02
End at: 2019-01-25 12:47:32
Local clock offset: -3.533 ms
Remote clock offset: -3.471 ms

Below is generated by plot.py at 2019-01-25 14:07:38
Datalink statistics
-- Total of 1 flow:
Average throughput: 15.43 Mbit/s
95th percentile per-packet one-way delay: 1.242 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 15.43 Mbit/s
95th percentile per-packet one-way delay: 1.242 ms
Loss rate: 0.00%

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



Run 1: Statistics of TCP Vegas

Start at: 2019-01-25 10:49:56
End at: 2019-01-25 10:50:26
Local clock offset: 0.148 ms
Remote clock offset: -3.049 ms

Below is generated by plot.py at 2019-01-25 14:07:56

Datalink statistics

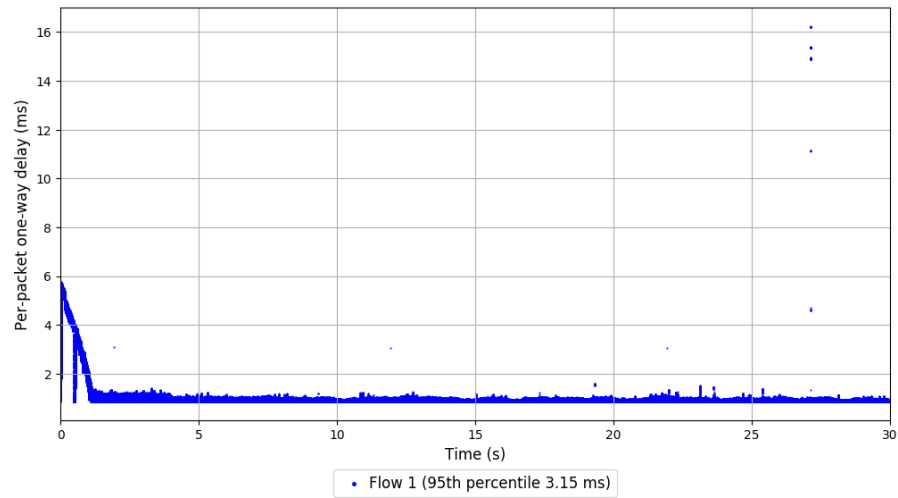
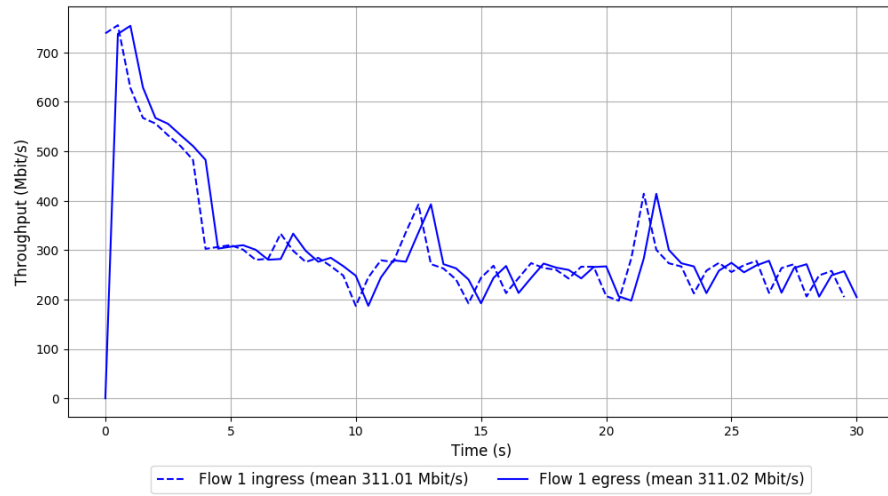
-- Total of 1 flow:

Average throughput: 311.02 Mbit/s
95th percentile per-packet one-way delay: 3.148 ms
Loss rate: 0.00%

-- Flow 1:

Average throughput: 311.02 Mbit/s
95th percentile per-packet one-way delay: 3.148 ms
Loss rate: 0.00%

Run 1: Report of TCP Vegas — Data Link



Run 2: Statistics of TCP Vegas

Start at: 2019-01-25 11:19:27

End at: 2019-01-25 11:19:57

Local clock offset: 3.368 ms

Remote clock offset: 5.573 ms

Below is generated by plot.py at 2019-01-25 14:07:57

Datalink statistics

-- Total of 1 flow:

Average throughput: 305.56 Mbit/s

95th percentile per-packet one-way delay: 2.608 ms

Loss rate: 0.01%

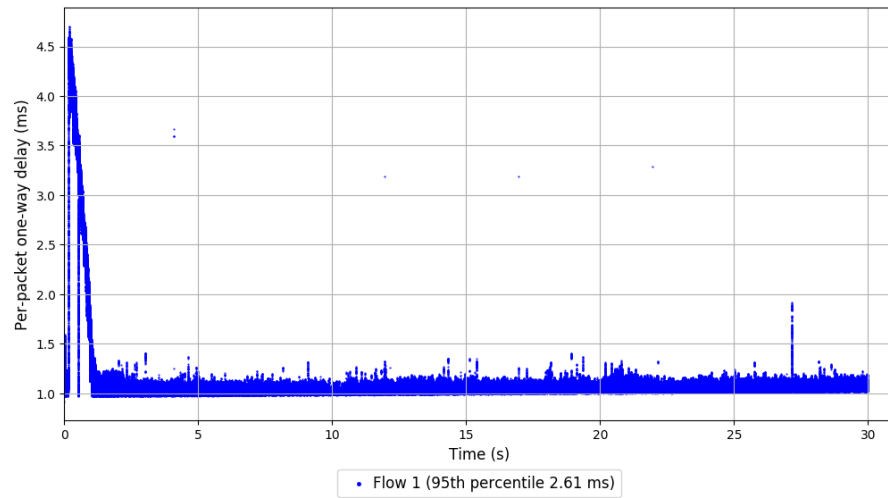
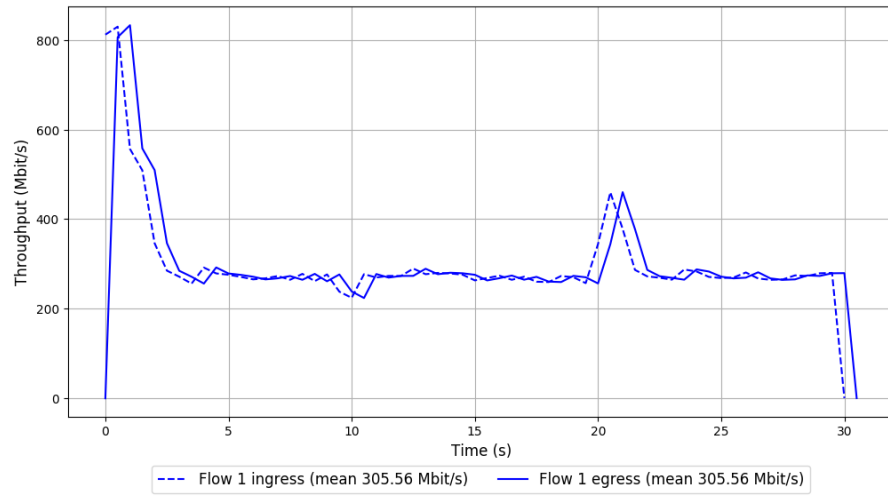
-- Flow 1:

Average throughput: 305.56 Mbit/s

95th percentile per-packet one-way delay: 2.608 ms

Loss rate: 0.01%

Run 2: Report of TCP Vegas — Data Link



Run 3: Statistics of TCP Vegas

Start at: 2019-01-25 11:48:53

End at: 2019-01-25 11:49:23

Local clock offset: 4.75 ms

Remote clock offset: 1.052 ms

Below is generated by plot.py at 2019-01-25 14:09:19

Datalink statistics

-- Total of 1 flow:

Average throughput: 294.65 Mbit/s

95th percentile per-packet one-way delay: 3.603 ms

Loss rate: 0.01%

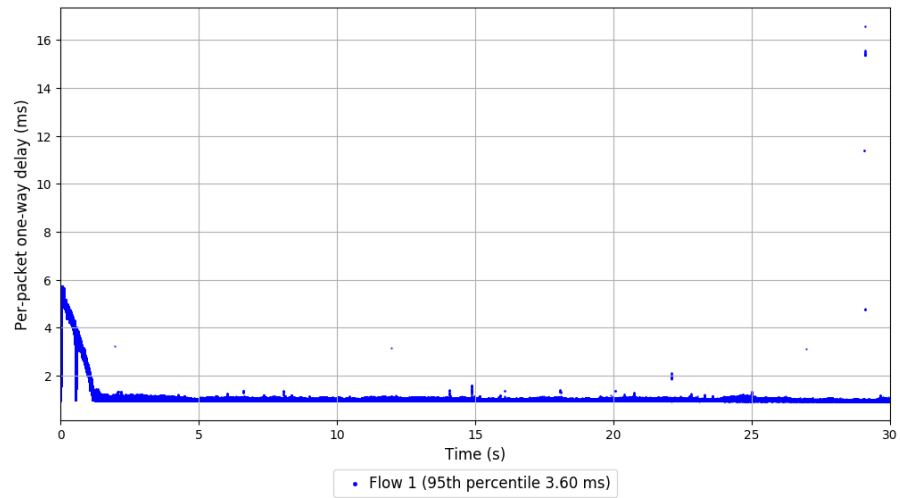
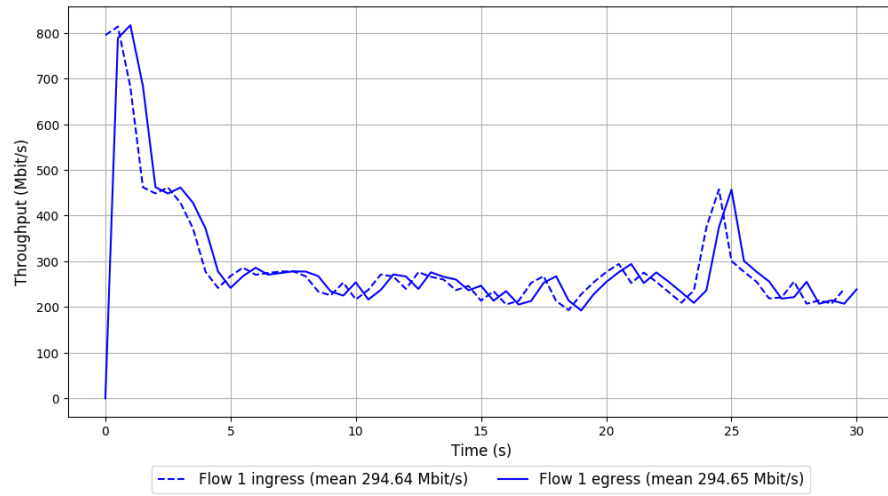
-- Flow 1:

Average throughput: 294.65 Mbit/s

95th percentile per-packet one-way delay: 3.603 ms

Loss rate: 0.01%

Run 3: Report of TCP Vegas — Data Link

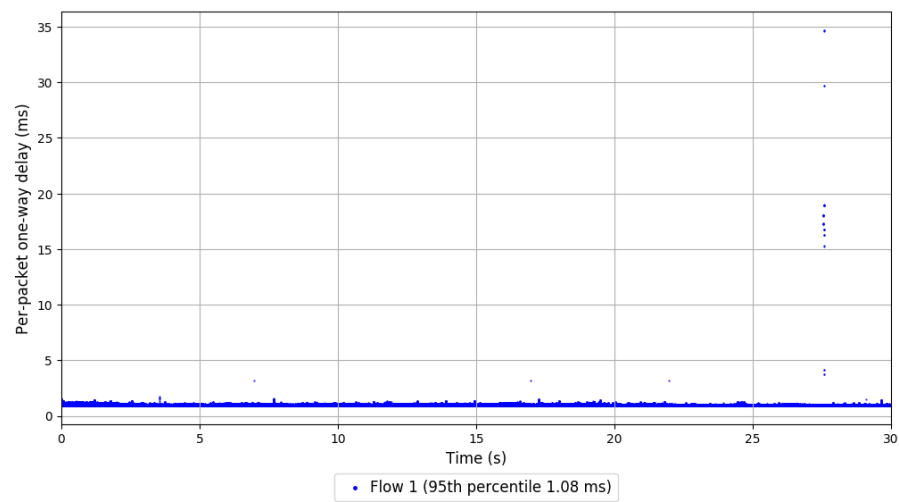
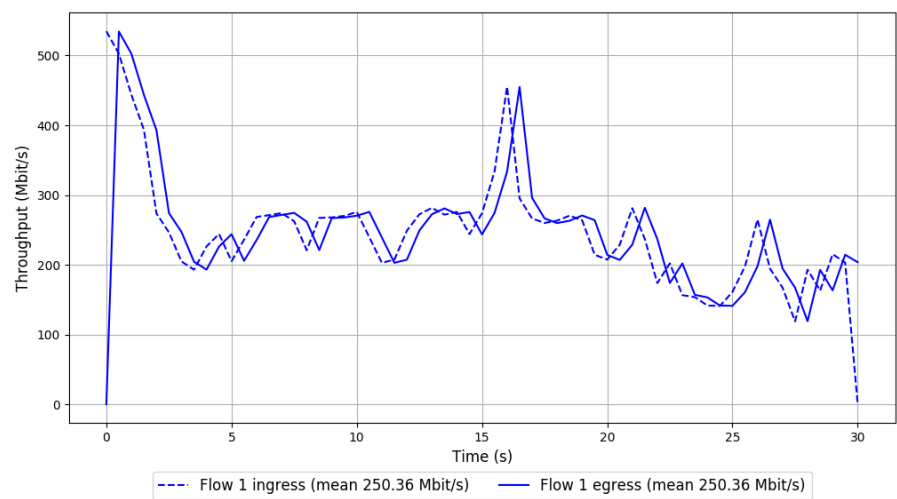


Run 4: Statistics of TCP Vegas

Start at: 2019-01-25 12:18:32
End at: 2019-01-25 12:19:02
Local clock offset: 2.933 ms
Remote clock offset: -2.955 ms

Below is generated by plot.py at 2019-01-25 14:09:19
Datalink statistics
-- Total of 1 flow:
Average throughput: 250.36 Mbit/s
95th percentile per-packet one-way delay: 1.085 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 250.36 Mbit/s
95th percentile per-packet one-way delay: 1.085 ms
Loss rate: 0.00%

Run 4: Report of TCP Vegas — Data Link

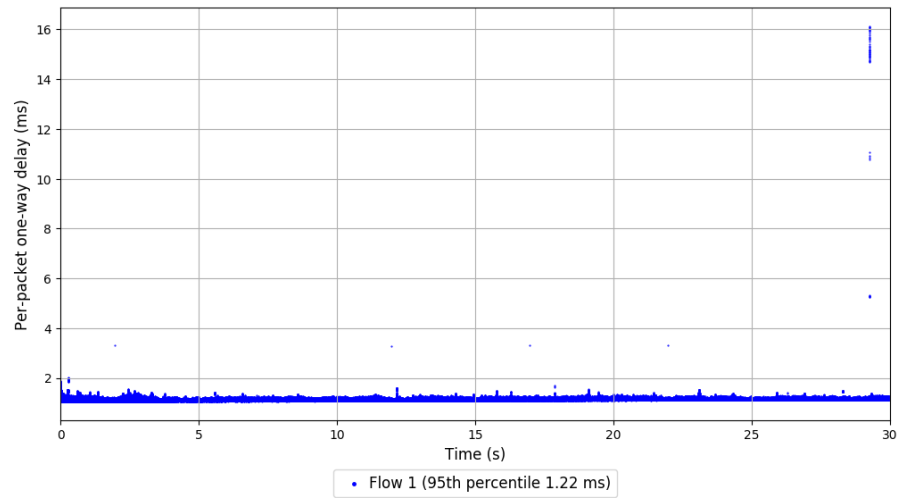
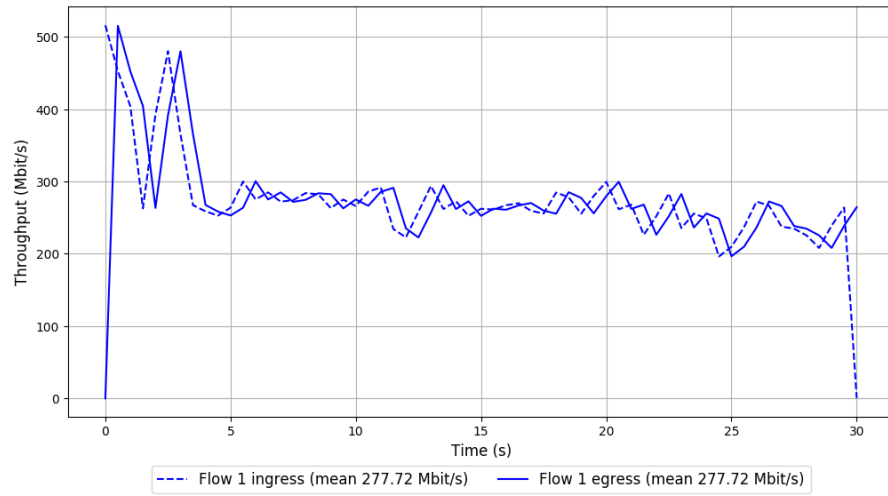


Run 5: Statistics of TCP Vegas

Start at: 2019-01-25 12:48:15
End at: 2019-01-25 12:48:45
Local clock offset: -3.735 ms
Remote clock offset: -3.422 ms

Below is generated by plot.py at 2019-01-25 14:09:26
Datalink statistics
-- Total of 1 flow:
Average throughput: 277.72 Mbit/s
95th percentile per-packet one-way delay: 1.217 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 277.72 Mbit/s
95th percentile per-packet one-way delay: 1.217 ms
Loss rate: 0.00%

Run 5: Report of TCP Vegas — Data Link

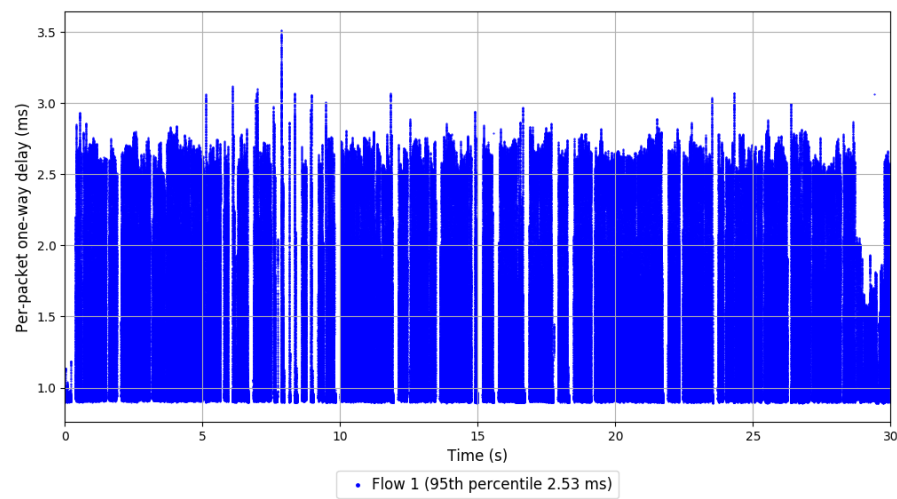
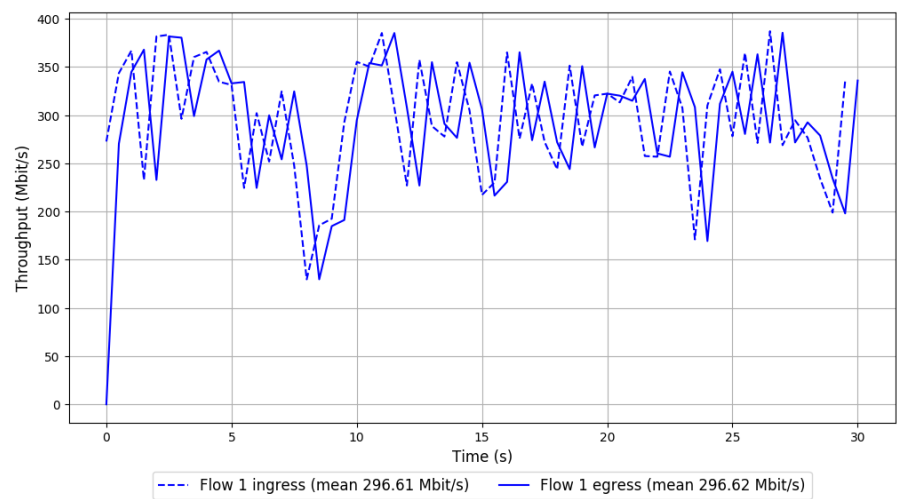


Run 1: Statistics of Verus

Start at: 2019-01-25 10:51:19
End at: 2019-01-25 10:51:49
Local clock offset: 0.142 ms
Remote clock offset: -3.116 ms

Below is generated by plot.py at 2019-01-25 14:09:56
Datalink statistics
-- Total of 1 flow:
Average throughput: 296.62 Mbit/s
95th percentile per-packet one-way delay: 2.527 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 296.62 Mbit/s
95th percentile per-packet one-way delay: 2.527 ms
Loss rate: 0.00%

Run 1: Report of Verus — Data Link



Run 2: Statistics of Verus

Start at: 2019-01-25 11:20:50

End at: 2019-01-25 11:21:20

Local clock offset: 3.458 ms

Remote clock offset: 5.8 ms

Below is generated by plot.py at 2019-01-25 14:10:32

Datalink statistics

-- Total of 1 flow:

Average throughput: 286.58 Mbit/s

95th percentile per-packet one-way delay: 2.645 ms

Loss rate: 0.01%

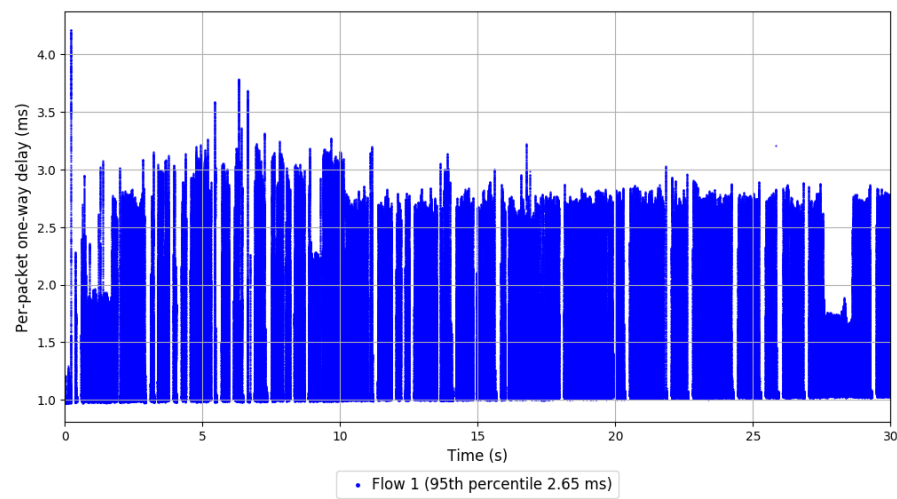
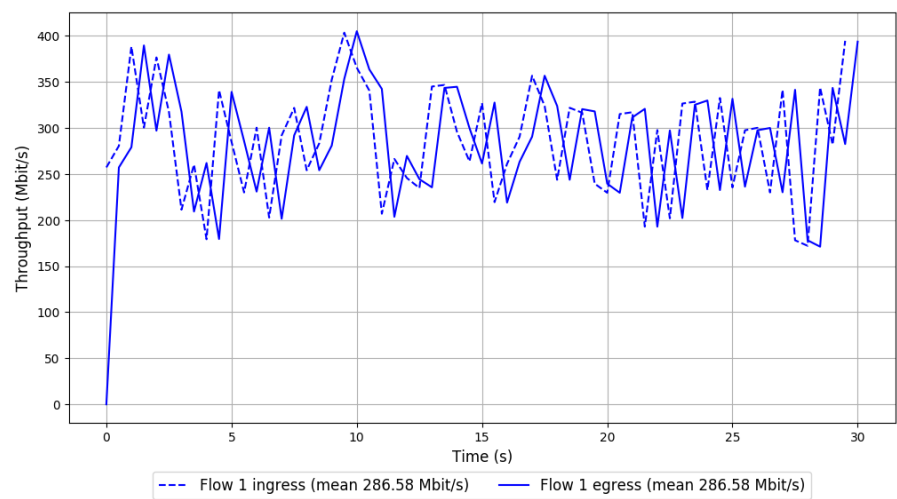
-- Flow 1:

Average throughput: 286.58 Mbit/s

95th percentile per-packet one-way delay: 2.645 ms

Loss rate: 0.01%

Run 2: Report of Verus — Data Link



Run 3: Statistics of Verus

Start at: 2019-01-25 11:50:15

End at: 2019-01-25 11:50:45

Local clock offset: 4.799 ms

Remote clock offset: 0.999 ms

Below is generated by plot.py at 2019-01-25 14:11:04

Datalink statistics

-- Total of 1 flow:

Average throughput: 311.81 Mbit/s

95th percentile per-packet one-way delay: 2.490 ms

Loss rate: 0.01%

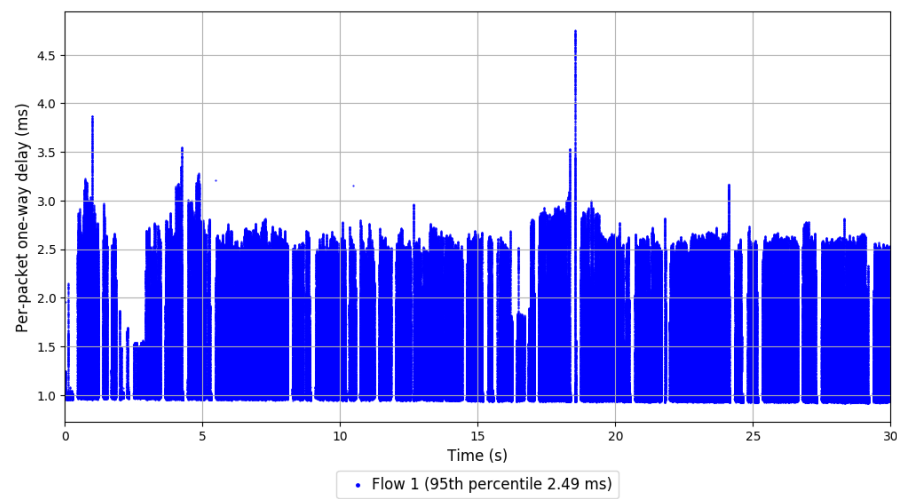
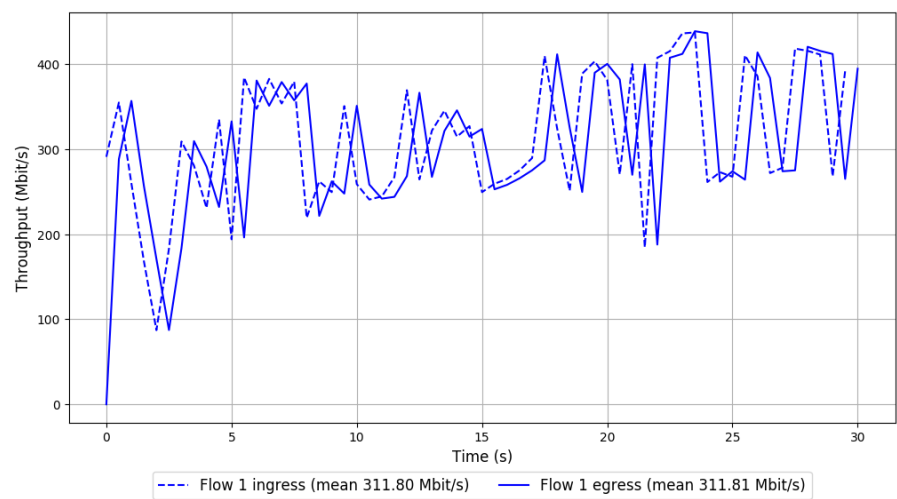
-- Flow 1:

Average throughput: 311.81 Mbit/s

95th percentile per-packet one-way delay: 2.490 ms

Loss rate: 0.01%

Run 3: Report of Verus — Data Link

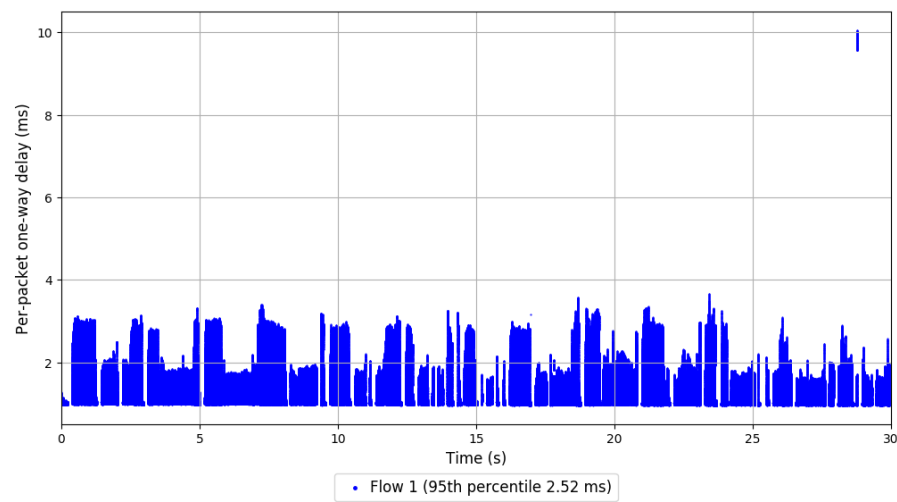
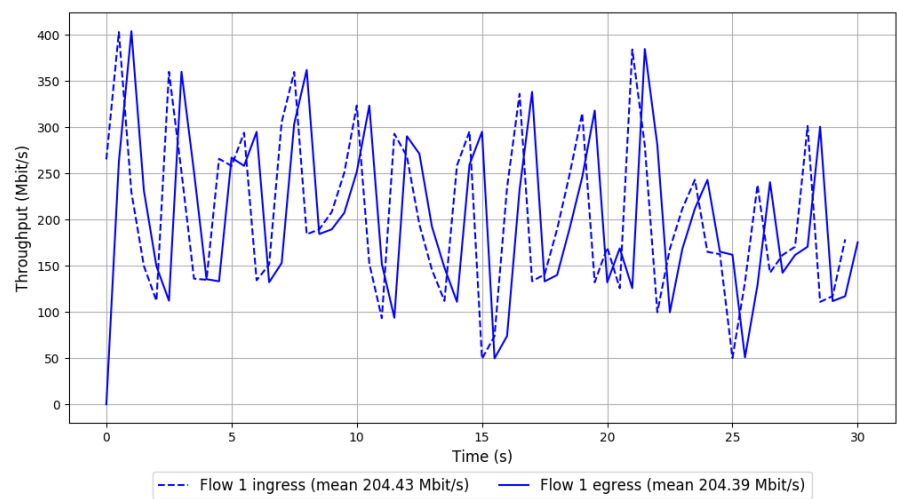


Run 4: Statistics of Verus

Start at: 2019-01-25 12:19:52
End at: 2019-01-25 12:20:22
Local clock offset: 2.897 ms
Remote clock offset: -3.104 ms

Below is generated by plot.py at 2019-01-25 14:11:04
Datalink statistics
-- Total of 1 flow:
Average throughput: 204.39 Mbit/s
95th percentile per-packet one-way delay: 2.518 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 204.39 Mbit/s
95th percentile per-packet one-way delay: 2.518 ms
Loss rate: 0.03%

Run 4: Report of Verus — Data Link



Run 5: Statistics of Verus

Start at: 2019-01-25 12:49:37

End at: 2019-01-25 12:50:07

Local clock offset: -3.966 ms

Remote clock offset: -3.44 ms

Below is generated by plot.py at 2019-01-25 14:11:21

Datalink statistics

-- Total of 1 flow:

Average throughput: 317.91 Mbit/s

95th percentile per-packet one-way delay: 2.729 ms

Loss rate: 0.01%

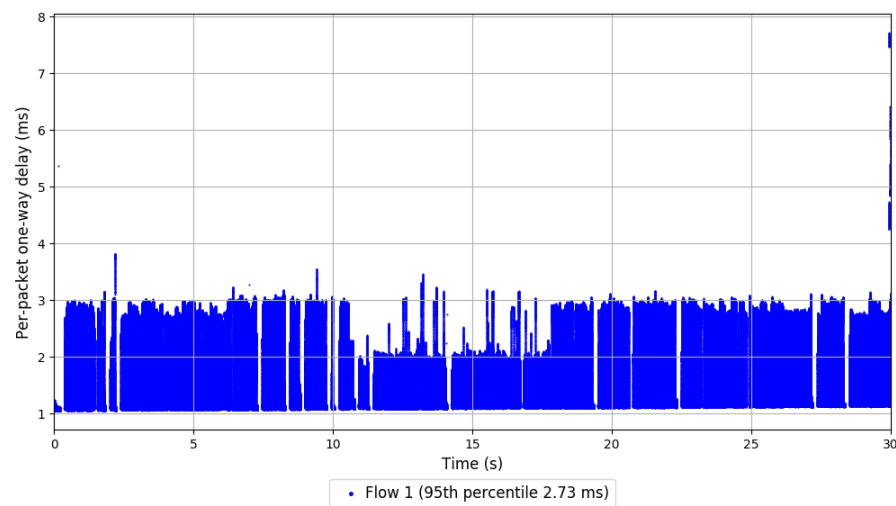
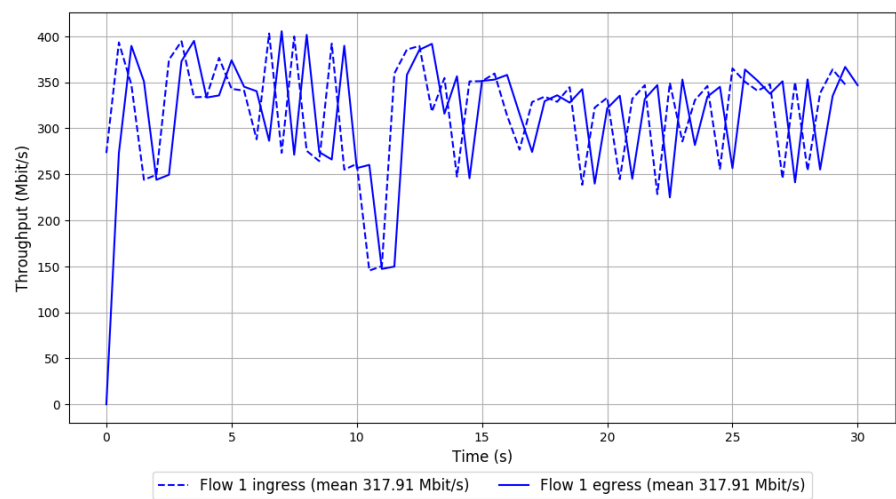
-- Flow 1:

Average throughput: 317.91 Mbit/s

95th percentile per-packet one-way delay: 2.729 ms

Loss rate: 0.01%

Run 5: Report of Verus — Data Link

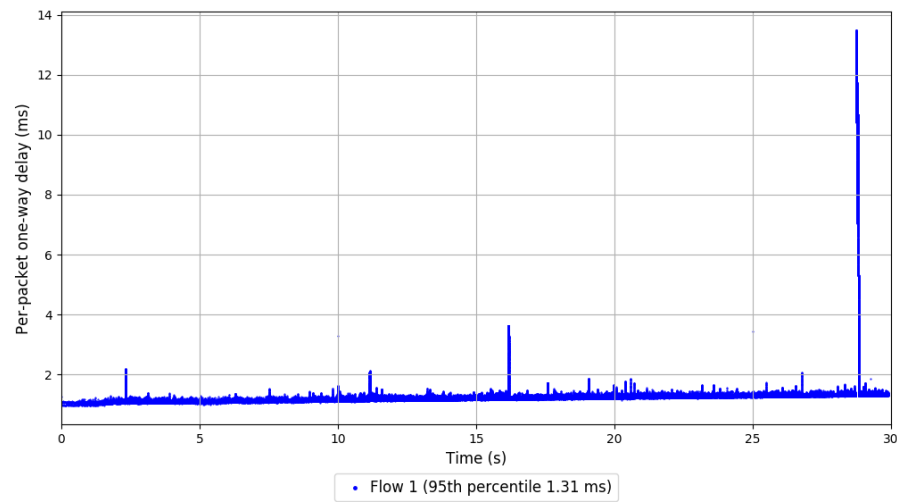
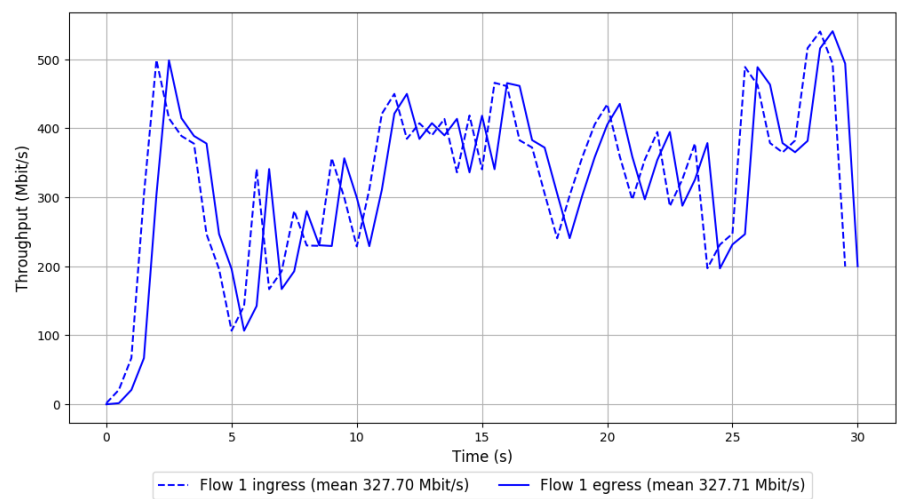


Run 1: Statistics of PCC-Vivace

Start at: 2019-01-25 10:57:27
End at: 2019-01-25 10:57:57
Local clock offset: 0.165 ms
Remote clock offset: -0.821 ms

Below is generated by plot.py at 2019-01-25 14:12:18
Datalink statistics
-- Total of 1 flow:
Average throughput: 327.71 Mbit/s
95th percentile per-packet one-way delay: 1.313 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 327.71 Mbit/s
95th percentile per-packet one-way delay: 1.313 ms
Loss rate: 0.00%

Run 1: Report of PCC-Vivace — Data Link



Run 2: Statistics of PCC-Vivace

Start at: 2019-01-25 11:27:00

End at: 2019-01-25 11:27:30

Local clock offset: 3.798 ms

Remote clock offset: 6.758 ms

Below is generated by plot.py at 2019-01-25 14:12:46

Datalink statistics

-- Total of 1 flow:

Average throughput: 346.79 Mbit/s

95th percentile per-packet one-way delay: 1.059 ms

Loss rate: 0.01%

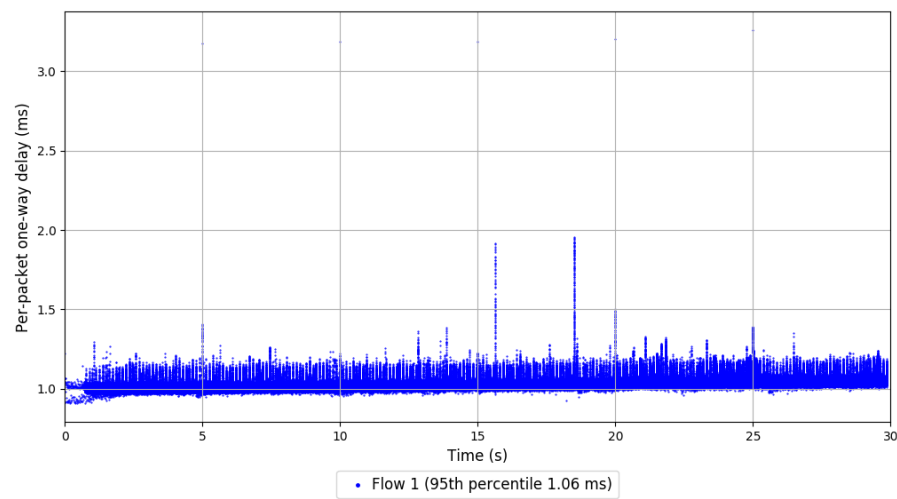
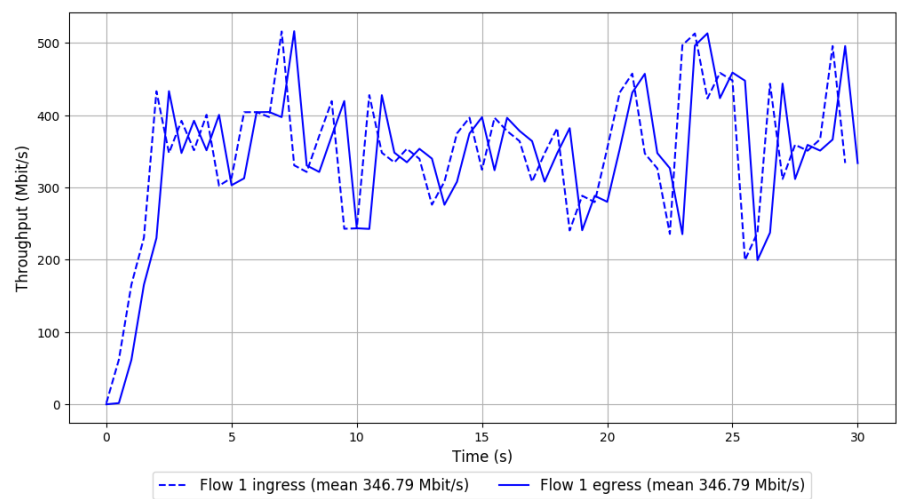
-- Flow 1:

Average throughput: 346.79 Mbit/s

95th percentile per-packet one-way delay: 1.059 ms

Loss rate: 0.01%

Run 2: Report of PCC-Vivace — Data Link



Run 3: Statistics of PCC-Vivace

Start at: 2019-01-25 11:56:09

End at: 2019-01-25 11:56:39

Local clock offset: 5.031 ms

Remote clock offset: 0.867 ms

Below is generated by plot.py at 2019-01-25 14:12:53

Datalink statistics

-- Total of 1 flow:

Average throughput: 368.11 Mbit/s

95th percentile per-packet one-way delay: 1.018 ms

Loss rate: 0.01%

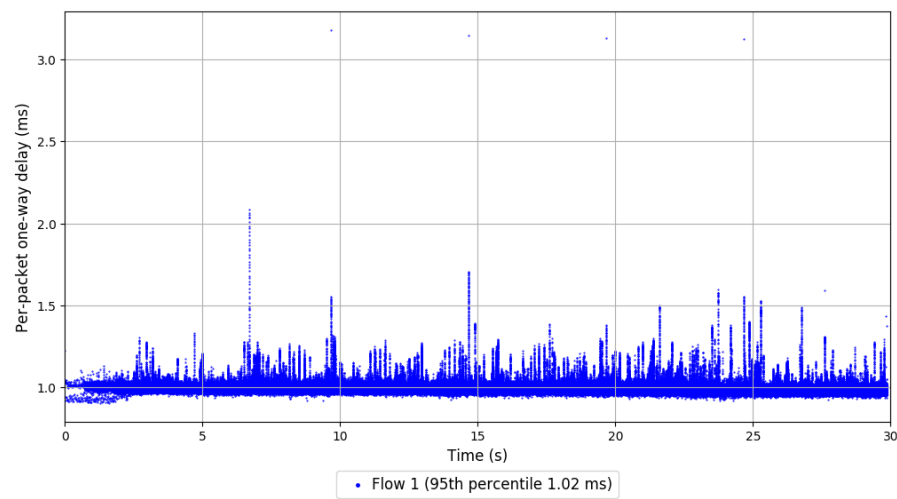
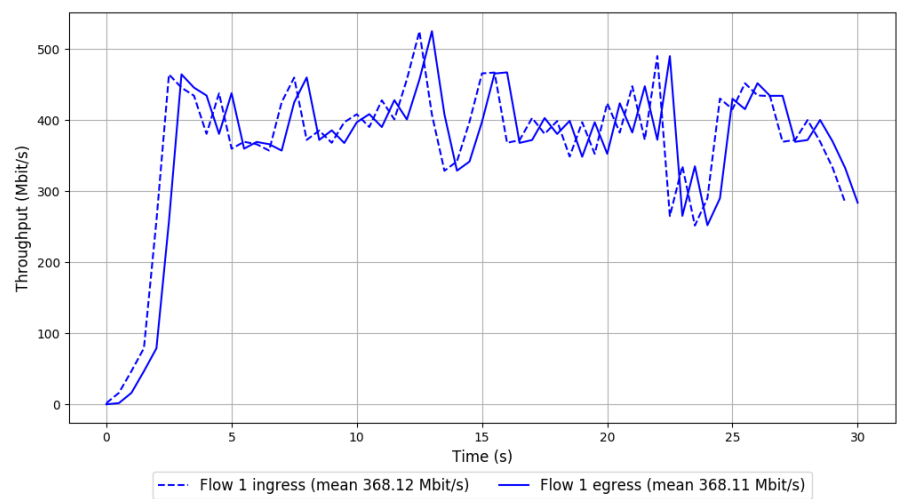
-- Flow 1:

Average throughput: 368.11 Mbit/s

95th percentile per-packet one-way delay: 1.018 ms

Loss rate: 0.01%

Run 3: Report of PCC-Vivace — Data Link



Run 4: Statistics of PCC-Vivace

Start at: 2019-01-25 12:26:00

End at: 2019-01-25 12:26:30

Local clock offset: 2.756 ms

Remote clock offset: -3.54 ms

Below is generated by plot.py at 2019-01-25 14:12:54

Datalink statistics

-- Total of 1 flow:

Average throughput: 382.58 Mbit/s

95th percentile per-packet one-way delay: 1.041 ms

Loss rate: 0.01%

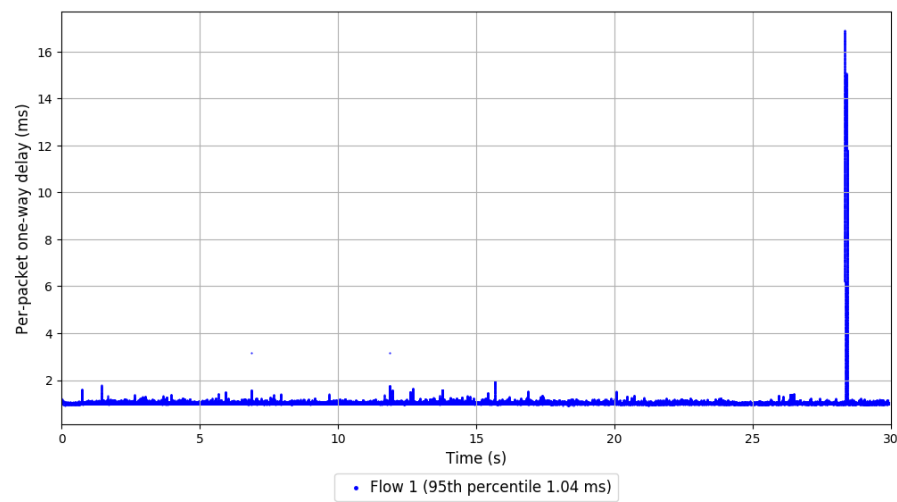
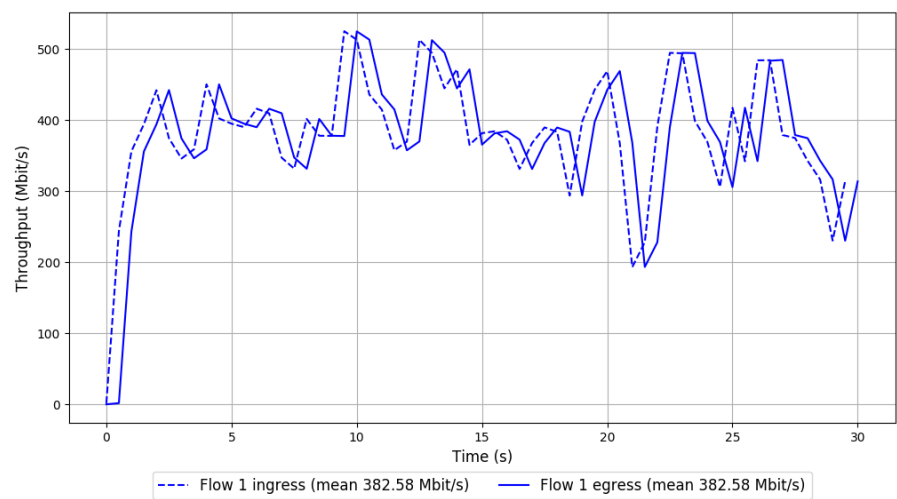
-- Flow 1:

Average throughput: 382.58 Mbit/s

95th percentile per-packet one-way delay: 1.041 ms

Loss rate: 0.01%

Run 4: Report of PCC-Vivace — Data Link

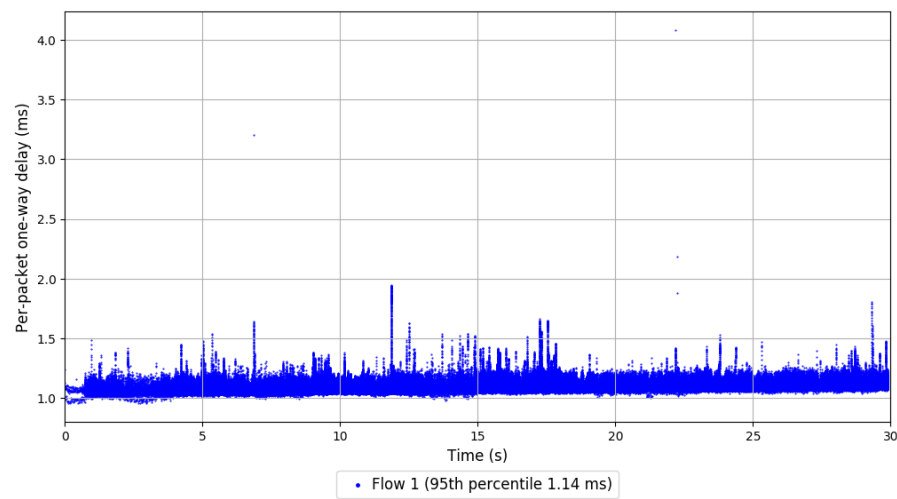
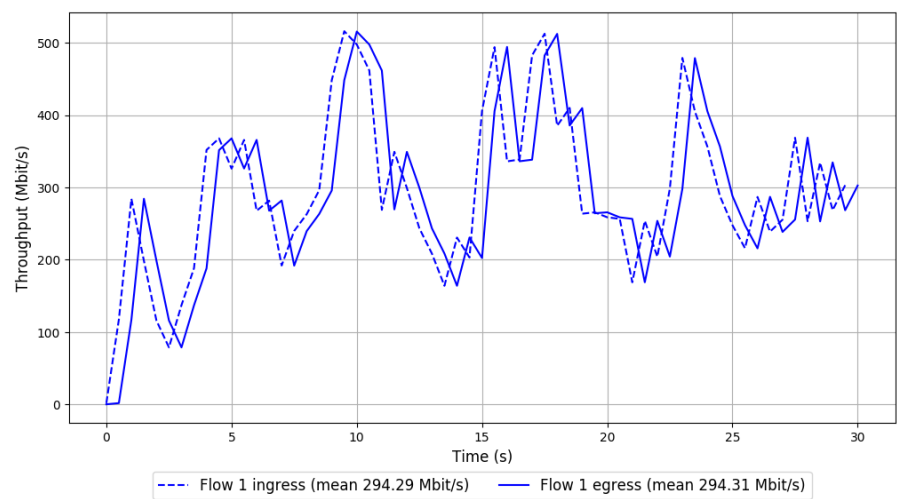


Run 5: Statistics of PCC-Vivace

Start at: 2019-01-25 12:55:46
End at: 2019-01-25 12:56:16
Local clock offset: -4.773 ms
Remote clock offset: -3.434 ms

Below is generated by plot.py at 2019-01-25 14:12:54
Datalink statistics
-- Total of 1 flow:
Average throughput: 294.31 Mbit/s
95th percentile per-packet one-way delay: 1.137 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 294.31 Mbit/s
95th percentile per-packet one-way delay: 1.137 ms
Loss rate: 0.01%

Run 5: Report of PCC-Vivace — Data Link

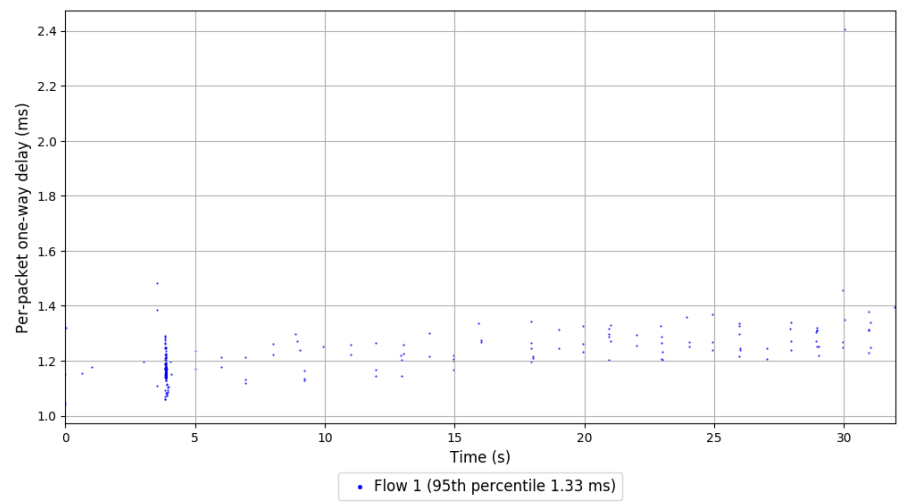
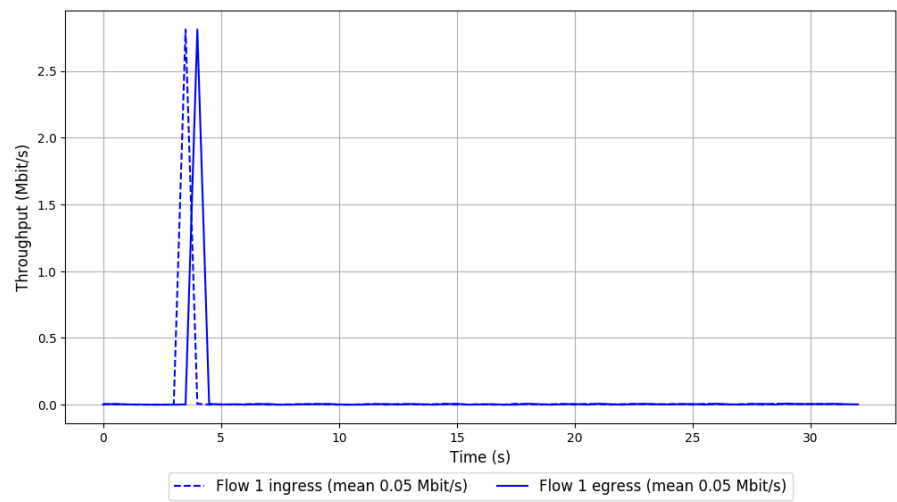


Run 1: Statistics of WebRTC media

Start at: 2019-01-25 10:58:55
End at: 2019-01-25 10:59:25
Local clock offset: 0.158 ms
Remote clock offset: -0.142 ms

Below is generated by plot.py at 2019-01-25 14:12:54
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 1.335 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 1.335 ms
Loss rate: 0.00%

Run 1: Report of WebRTC media — Data Link



Run 2: Statistics of WebRTC media

Start at: 2019-01-25 11:28:28

End at: 2019-01-25 11:28:58

Local clock offset: 3.875 ms

Remote clock offset: 6.758 ms

Below is generated by plot.py at 2019-01-25 14:12:54

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.05 Mbit/s

95th percentile per-packet one-way delay: 0.995 ms

Loss rate: 0.00%

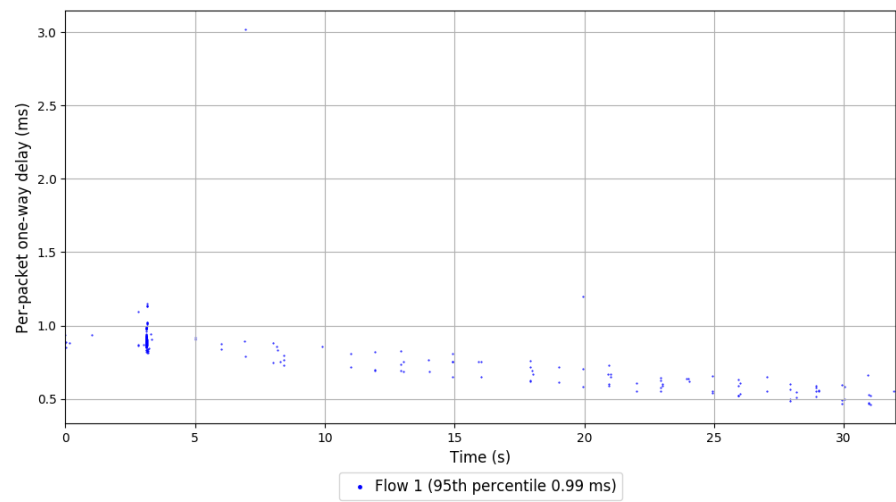
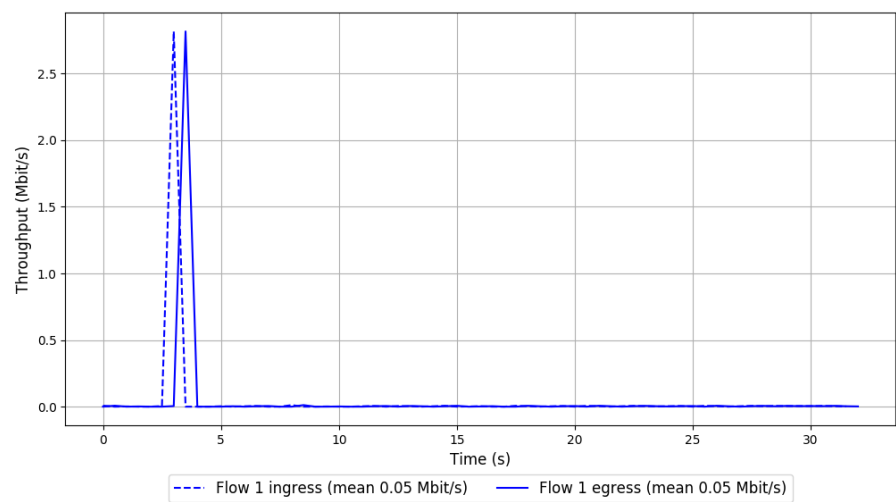
-- Flow 1:

Average throughput: 0.05 Mbit/s

95th percentile per-packet one-way delay: 0.995 ms

Loss rate: 0.00%

Run 2: Report of WebRTC media — Data Link



Run 3: Statistics of WebRTC media

Start at: 2019-01-25 11:57:38

End at: 2019-01-25 11:58:08

Local clock offset: 5.084 ms

Remote clock offset: 0.891 ms

Below is generated by plot.py at 2019-01-25 14:12:54

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.05 Mbit/s

95th percentile per-packet one-way delay: 1.069 ms

Loss rate: 0.00%

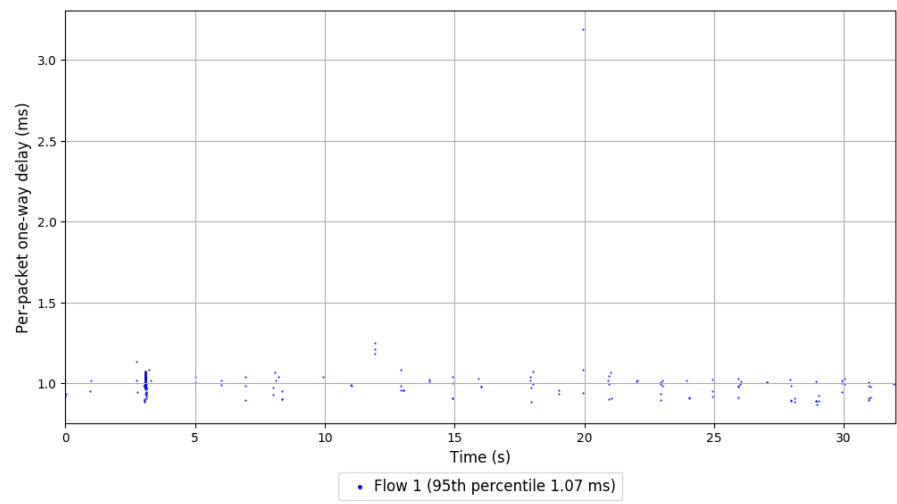
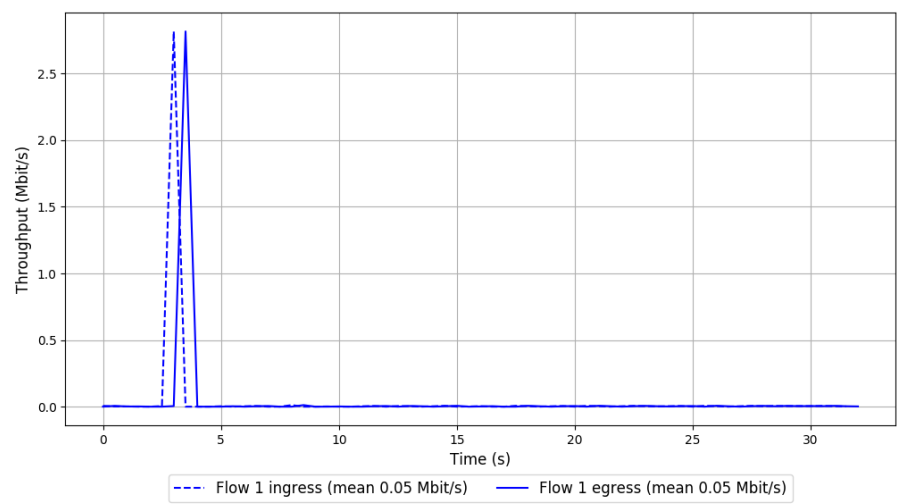
-- Flow 1:

Average throughput: 0.05 Mbit/s

95th percentile per-packet one-way delay: 1.069 ms

Loss rate: 0.00%

Run 3: Report of WebRTC media — Data Link

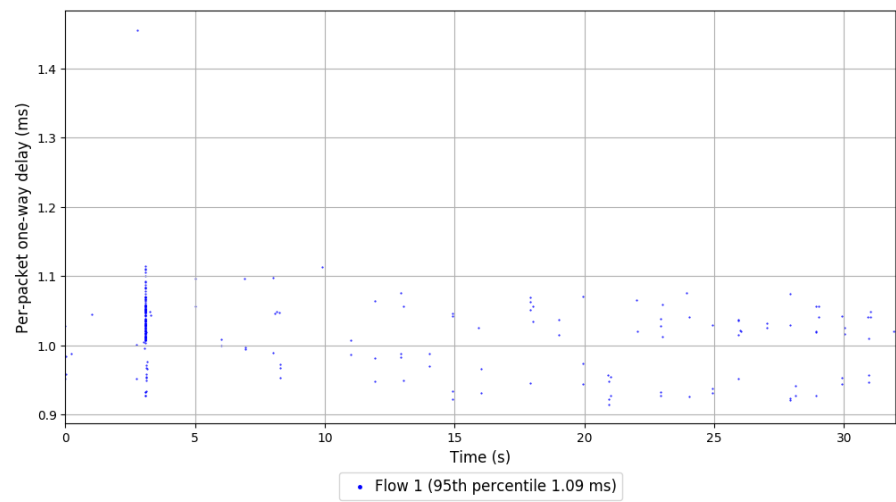
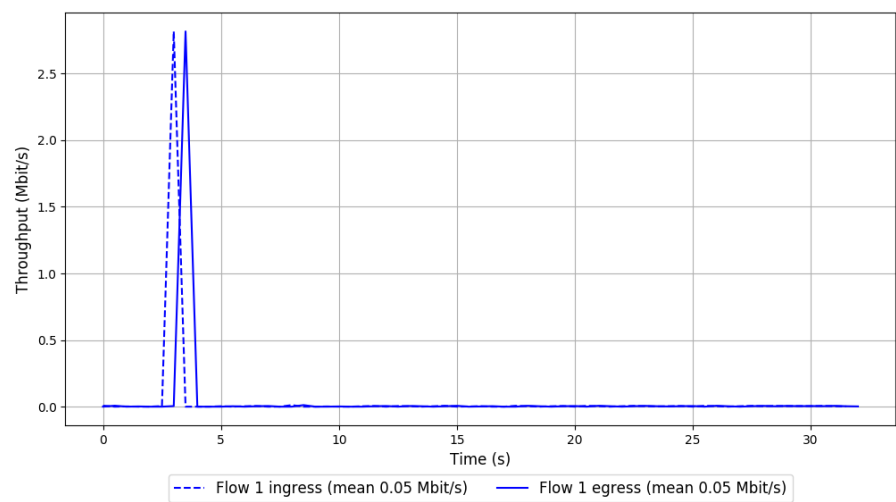


Run 4: Statistics of WebRTC media

Start at: 2019-01-25 12:27:30
End at: 2019-01-25 12:28:00
Local clock offset: 2.718 ms
Remote clock offset: -3.629 ms

Below is generated by plot.py at 2019-01-25 14:12:54
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 1.088 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 1.088 ms
Loss rate: 0.00%

Run 4: Report of WebRTC media — Data Link



Run 5: Statistics of WebRTC media

Start at: 2019-01-25 12:57:12
End at: 2019-01-25 12:57:42
Local clock offset: -4.942 ms
Remote clock offset: -3.451 ms

Below is generated by plot.py at 2019-01-25 14:12:54
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 1.167 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 1.167 ms
Loss rate: 0.00%

Run 5: Report of WebRTC media — Data Link

