

Pantheon Report

Generated at 2019-02-11 15:18:34 (UTC).

Data path: GCE Tokyo on **ens4** (*local*) → GCE London on **ens4** (*remote*).

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.google.com` and have been applied to correct the timestamps in logs.

System info:

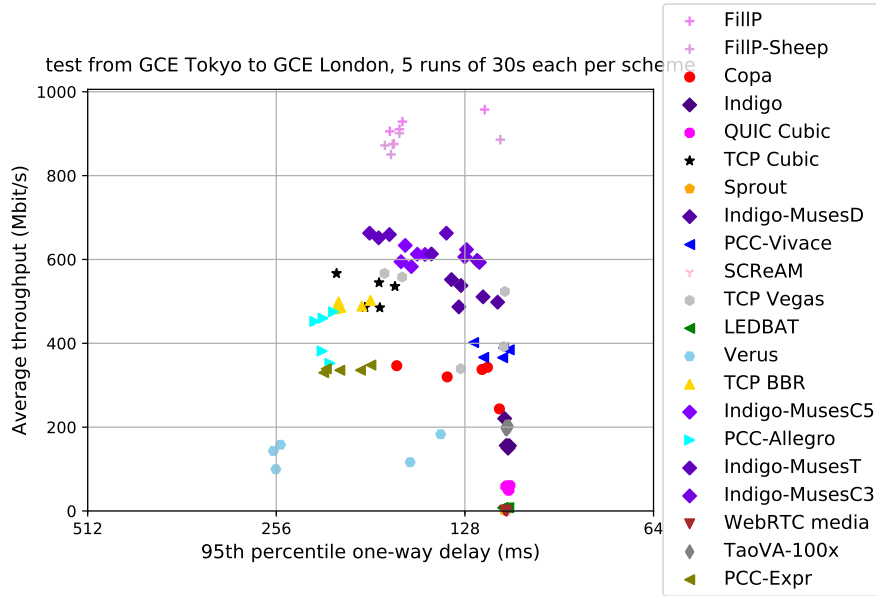
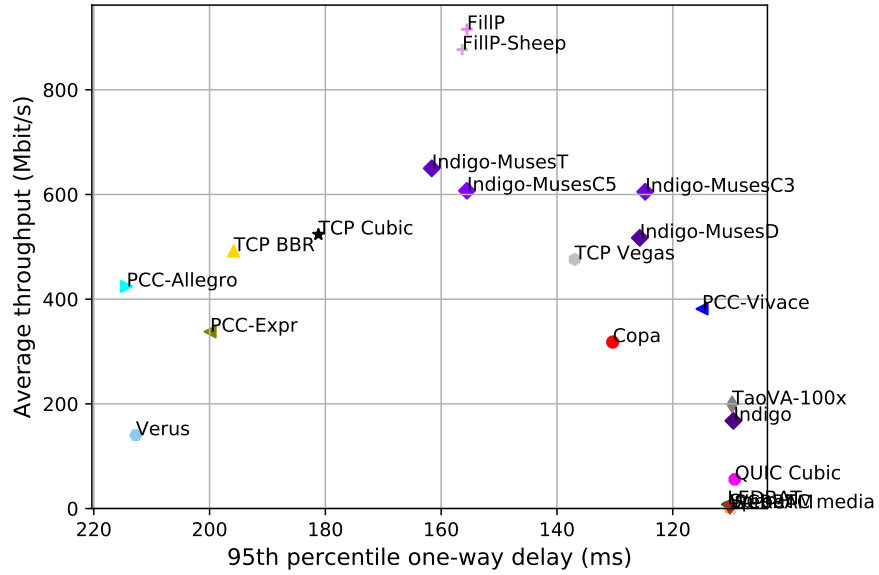
```
Linux 4.15.0-1026-gcp
net.core.default_qdisc = fq
net.core.rmem_default = 16777216
net.core.rmem_max = 536870912
net.core.wmem_default = 16777216
net.core.wmem_max = 536870912
net.ipv4.tcp_rmem = 4096 16777216 536870912
net.ipv4.tcp_wmem = 4096 16777216 536870912
```

Git summary:

```
branch: muses @ 7a686f7c2ed0a333082c0bab1fa5c921ab47e6ee
third_party/fillp @ d6da1459332fcee56963885d7eba17e6a32d4519
third_party/fillp-sheep @ 0e5bb722943babcd2b090d2c64fcd45e12e923f9
third_party/genericCC @ d0153f8e594aa89e93b032143cedbdf58e562f4
third_party/indigo @ 2601c92e4aa9d58d38dc4dfe0ecd9c077e64d
third_party/libutp @ b3465b942e2826f2b179eaab4a906ce6bb7cf3cf
third_party/muses @ 5ce721187ad823da20955337730c746486ca4966
third_party/pantheon-tunnel @ f866d3f58d27afd942717625ee3a354cc2e802bd
third_party/pcc @ 1afc958fa0d66d18b623c091a55fec872b4981e1
  M receiver/src/buffer.h
  M receiver/src/core.cpp
  M sender/src/buffer.h
  M sender/src/core.cpp
third_party/pcc-experimental @ cd43e34e3f5f5613e8acd08fab92c4eb24f974ab
third_party/proto-quick @ 77961f1a82733a86b42f1bc8143ebc978f3cff42
third_party/scream-reproduce @ f099118d1421aa3131bf11ff1964974e1da3bdb2
  M src/ScreamClient
  M src/ScreamServer
third_party/sprout @ 366e35c6178b01e31d4a46ad18c74f9415f19a26
  M src/examples/cellsim.cc
  M src/examples/sproutbt2.cc
  M src/network/sproutconn.cc
third_party/verus @ d4b447ea74c6c60a261149af2629562939f9a494
  M src/verus.hpp
  M tools/plot.py
third_party/vivace @ 2baf86211435ae071a32f96b7d8c504587f5d7f4
```

third_party/webrtc @ 3f0cc2a9061a41b6f9dde4735770d143a1fa2851

test from GCE Tokyo to GCE London, 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	491.76	195.84	0.82
Copa	5	318.00	130.37	0.00
TCP Cubic	5	523.54	181.20	0.13
FillP	5	915.63	155.55	1.12
FillP-Sheep	5	876.85	156.36	1.10
Indigo	5	167.54	109.52	0.00
Indigo-MusesC3	4	605.15	124.76	0.01
Indigo-MusesC5	5	607.11	155.54	0.10
Indigo-MusesD	5	517.12	125.70	0.03
Indigo-MusesT	5	649.94	161.62	0.22
LEDBAT	5	7.85	110.58	0.00
PCC-Allegro	5	424.21	214.34	1.53
PCC-Expr	5	337.76	199.91	2.76
QUIC Cubic	5	55.71	109.29	0.00
SCReAM	5	0.22	109.33	0.00
Sprout	5	1.82	110.18	0.00
TaoVA-100x	5	198.96	109.74	0.00
TCP Vegas	5	475.93	136.94	0.10
Verus	5	140.09	212.74	6.10
PCC-Vivace	5	381.47	114.94	0.03
WebRTC media	5	0.76	110.14	0.00

Run 1: Statistics of TCP BBR

Start at: 2019-02-11 10:56:44

End at: 2019-02-11 10:57:14

Local clock offset: 10.038 ms

Remote clock offset: 13.946 ms

Below is generated by plot.py at 2019-02-11 13:37:40

Datalink statistics

-- Total of 1 flow:

Average throughput: 488.80 Mbit/s

95th percentile per-packet one-way delay: 186.934 ms

Loss rate: 0.53%

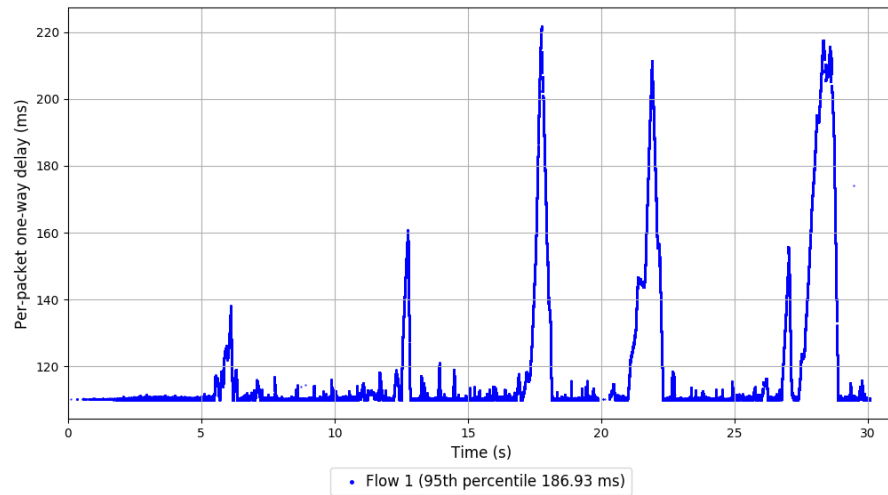
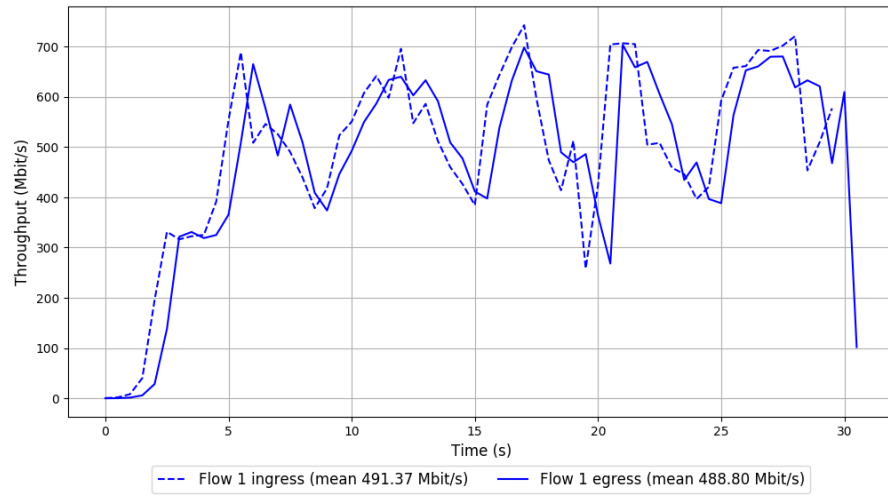
-- Flow 1:

Average throughput: 488.80 Mbit/s

95th percentile per-packet one-way delay: 186.934 ms

Loss rate: 0.53%

Run 1: Report of TCP BBR — Data Link

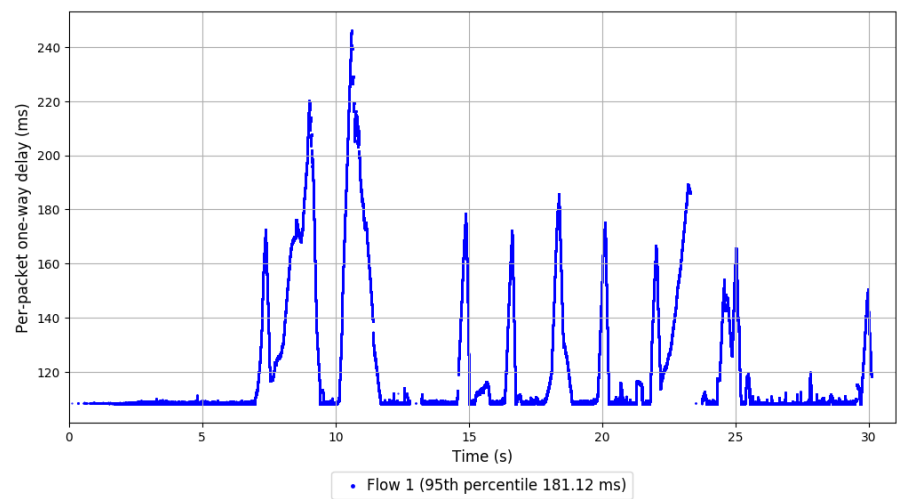
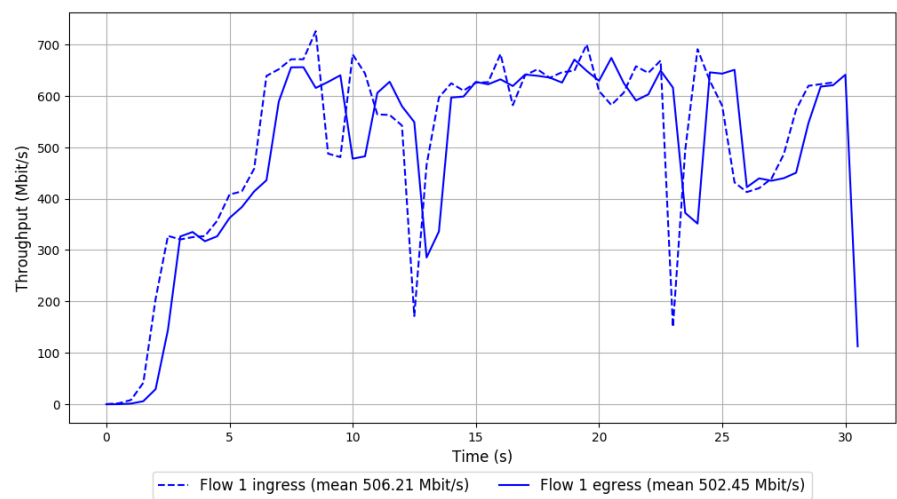


Run 2: Statistics of TCP BBR

Start at: 2019-02-11 11:29:08
End at: 2019-02-11 11:29:38
Local clock offset: 20.907 ms
Remote clock offset: 28.105 ms

Below is generated by plot.py at 2019-02-11 13:37:51
Datalink statistics
-- Total of 1 flow:
Average throughput: 502.45 Mbit/s
95th percentile per-packet one-way delay: 181.123 ms
Loss rate: 0.74%
-- Flow 1:
Average throughput: 502.45 Mbit/s
95th percentile per-packet one-way delay: 181.123 ms
Loss rate: 0.74%

Run 2: Report of TCP BBR — Data Link

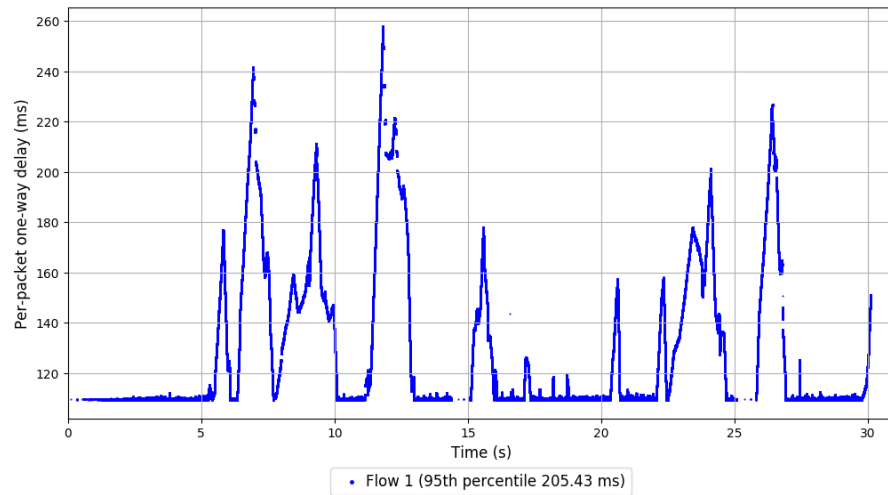
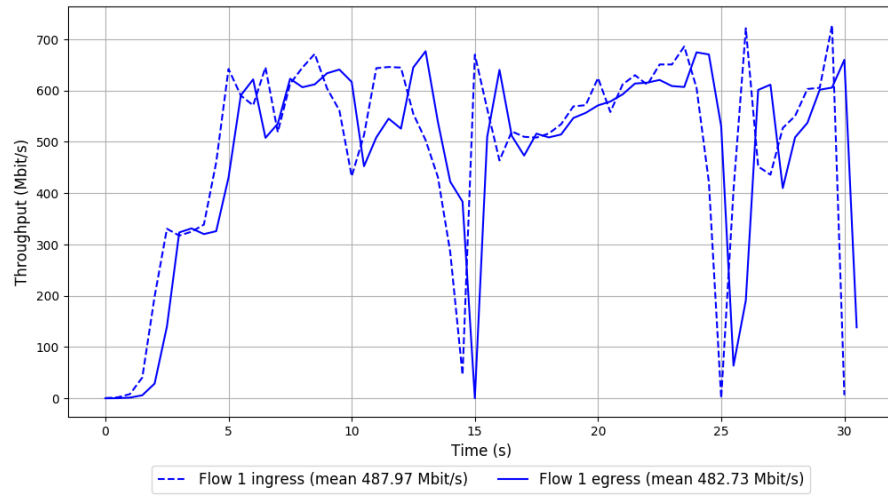


Run 3: Statistics of TCP BBR

Start at: 2019-02-11 12:01:30
End at: 2019-02-11 12:02:00
Local clock offset: 11.731 ms
Remote clock offset: 15.802 ms

Below is generated by plot.py at 2019-02-11 13:37:51
Datalink statistics
-- Total of 1 flow:
Average throughput: 482.73 Mbit/s
95th percentile per-packet one-way delay: 205.429 ms
Loss rate: 1.07%
-- Flow 1:
Average throughput: 482.73 Mbit/s
95th percentile per-packet one-way delay: 205.429 ms
Loss rate: 1.07%

Run 3: Report of TCP BBR — Data Link



Run 4: Statistics of TCP BBR

Start at: 2019-02-11 12:33:37

End at: 2019-02-11 12:34:07

Local clock offset: 2.955 ms

Remote clock offset: 7.687 ms

Below is generated by plot.py at 2019-02-11 13:37:51

Datalink statistics

-- Total of 1 flow:

Average throughput: 498.86 Mbit/s

95th percentile per-packet one-way delay: 203.673 ms

Loss rate: 1.04%

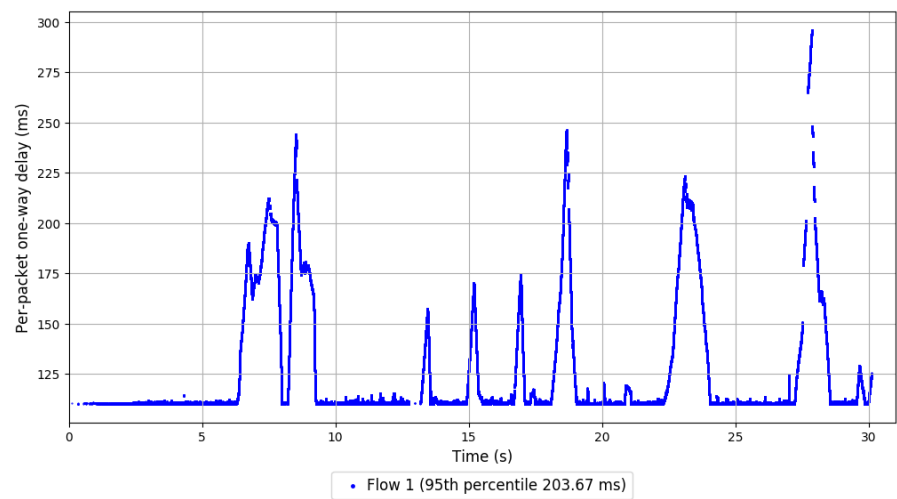
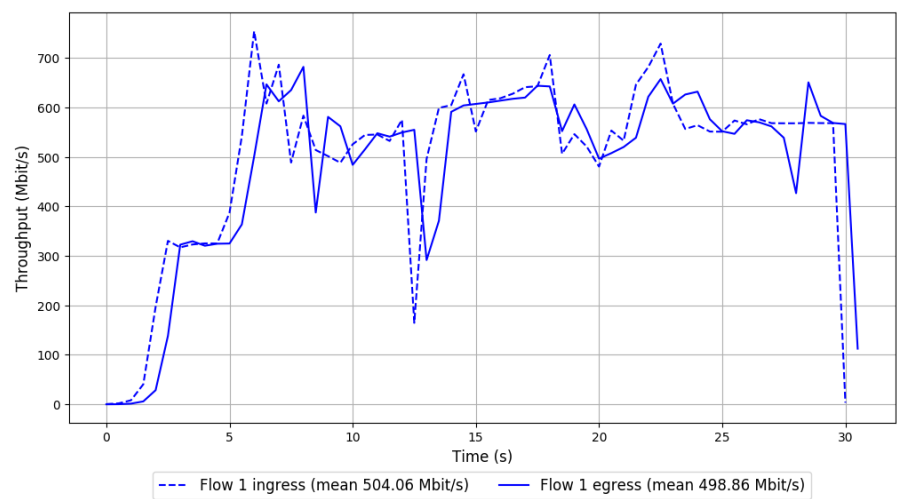
-- Flow 1:

Average throughput: 498.86 Mbit/s

95th percentile per-packet one-way delay: 203.673 ms

Loss rate: 1.04%

Run 4: Report of TCP BBR — Data Link



Run 5: Statistics of TCP BBR

Start at: 2019-02-11 13:06:05

End at: 2019-02-11 13:06:35

Local clock offset: 1.716 ms

Remote clock offset: 2.51 ms

Below is generated by plot.py at 2019-02-11 13:37:51

Datalink statistics

-- Total of 1 flow:

Average throughput: 485.95 Mbit/s

95th percentile per-packet one-way delay: 202.051 ms

Loss rate: 0.74%

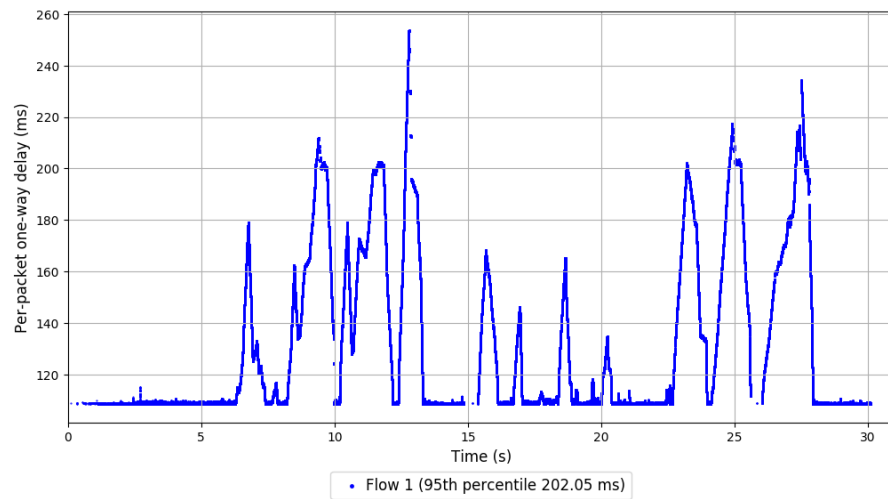
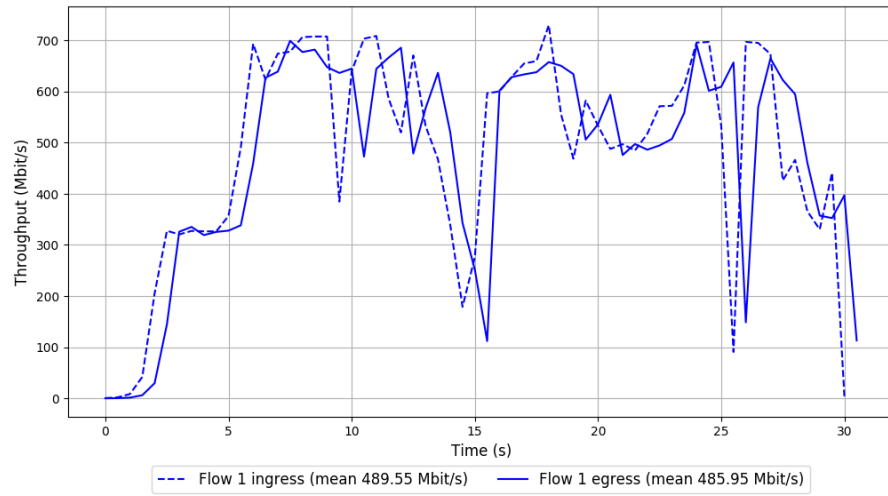
-- Flow 1:

Average throughput: 485.95 Mbit/s

95th percentile per-packet one-way delay: 202.051 ms

Loss rate: 0.74%

Run 5: Report of TCP BBR — Data Link

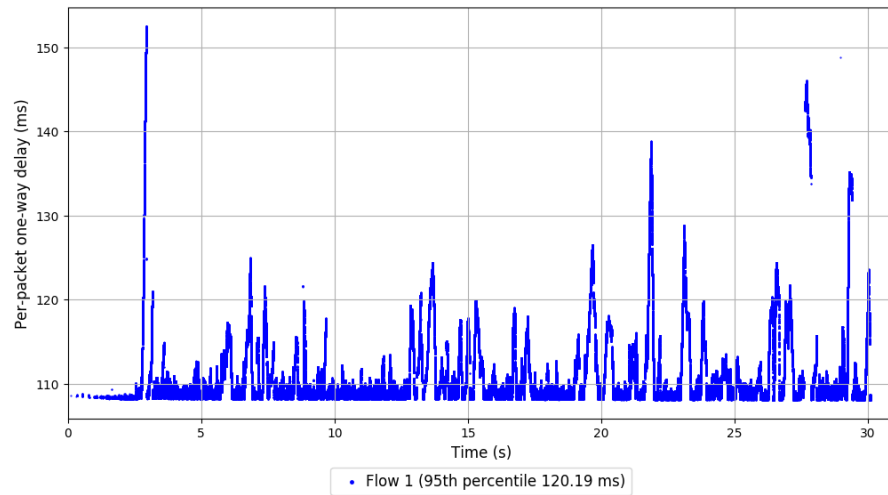
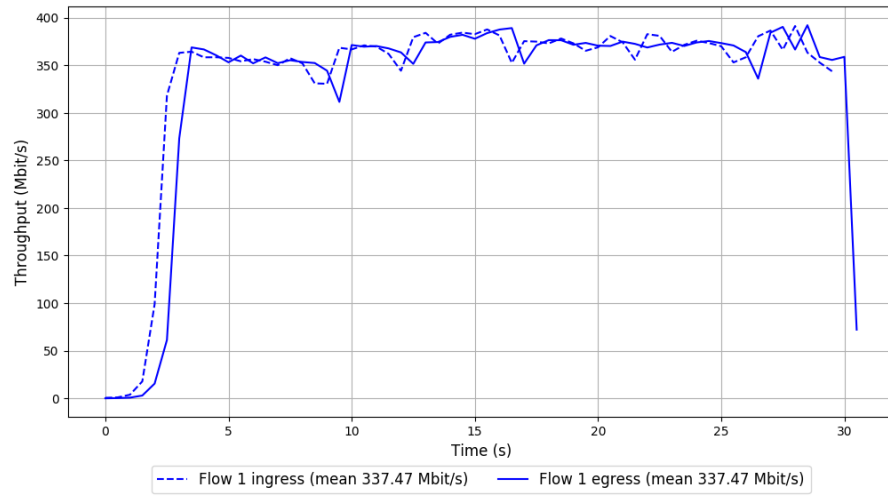


Run 1: Statistics of Copa

Start at: 2019-02-11 11:01:03
End at: 2019-02-11 11:01:33
Local clock offset: 13.694 ms
Remote clock offset: 18.125 ms

Below is generated by plot.py at 2019-02-11 13:39:28
Datalink statistics
-- Total of 1 flow:
Average throughput: 337.47 Mbit/s
95th percentile per-packet one-way delay: 120.191 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 337.47 Mbit/s
95th percentile per-packet one-way delay: 120.191 ms
Loss rate: 0.00%

Run 1: Report of Copa — Data Link

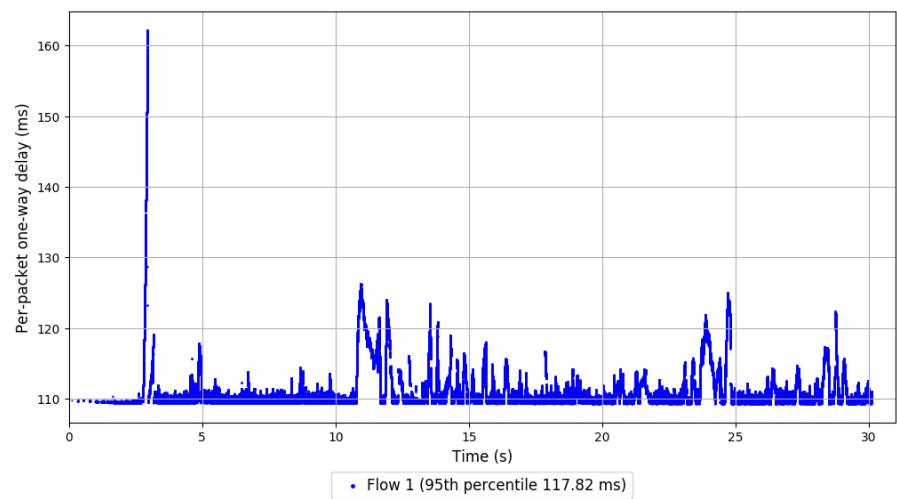
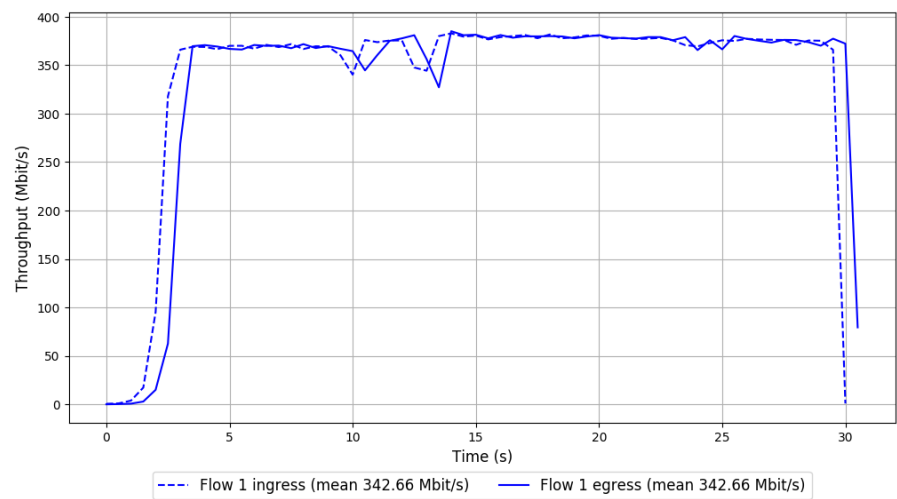


Run 2: Statistics of Copa

Start at: 2019-02-11 11:33:36
End at: 2019-02-11 11:34:07
Local clock offset: 24.149 ms
Remote clock offset: 32.631 ms

Below is generated by plot.py at 2019-02-11 13:39:34
Datalink statistics
-- Total of 1 flow:
Average throughput: 342.66 Mbit/s
95th percentile per-packet one-way delay: 117.818 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 342.66 Mbit/s
95th percentile per-packet one-way delay: 117.818 ms
Loss rate: 0.00%

Run 2: Report of Copa — Data Link

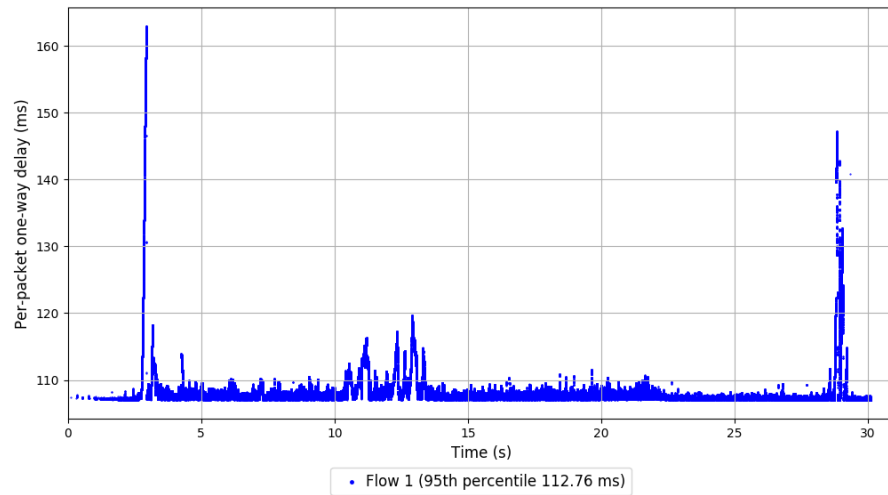
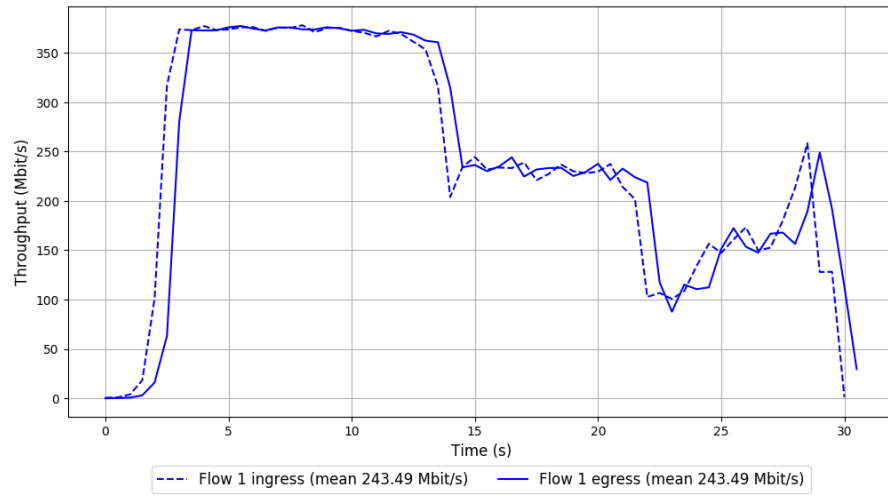


Run 3: Statistics of Copa

Start at: 2019-02-11 12:05:51
End at: 2019-02-11 12:06:21
Local clock offset: 13.768 ms
Remote clock offset: 16.779 ms

Below is generated by plot.py at 2019-02-11 13:39:34
Datalink statistics
-- Total of 1 flow:
Average throughput: 243.49 Mbit/s
95th percentile per-packet one-way delay: 112.758 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 243.49 Mbit/s
95th percentile per-packet one-way delay: 112.758 ms
Loss rate: 0.00%

Run 3: Report of Copa — Data Link



Run 4: Statistics of Copa

Start at: 2019-02-11 12:38:05

End at: 2019-02-11 12:38:35

Local clock offset: 2.577 ms

Remote clock offset: 7.852 ms

Below is generated by plot.py at 2019-02-11 13:48:30

Datalink statistics

-- Total of 1 flow:

Average throughput: 346.54 Mbit/s

95th percentile per-packet one-way delay: 164.446 ms

Loss rate: 0.00%

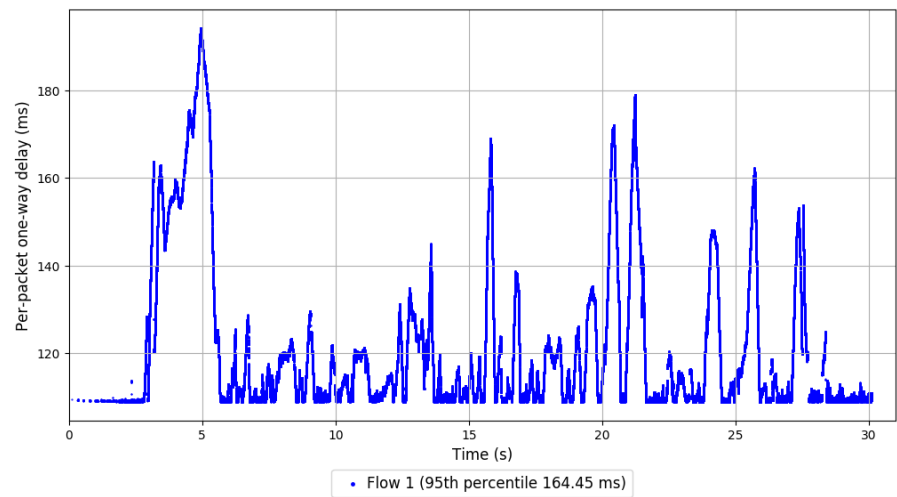
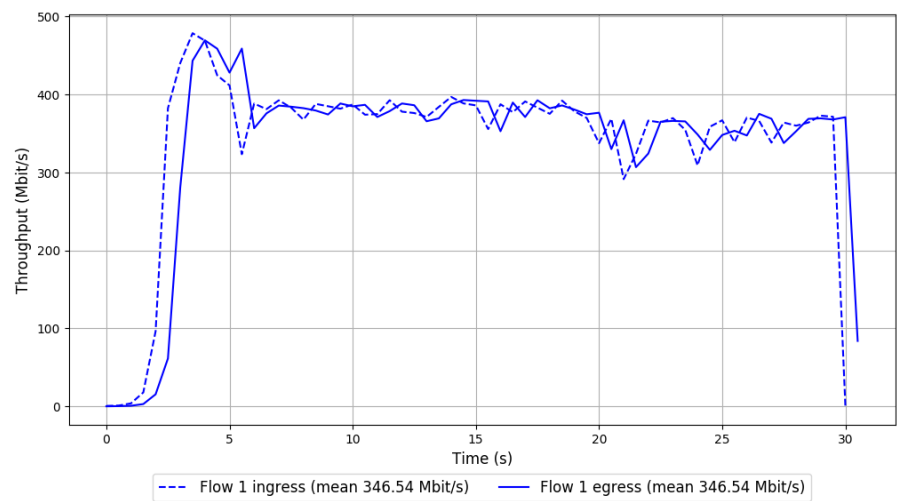
-- Flow 1:

Average throughput: 346.54 Mbit/s

95th percentile per-packet one-way delay: 164.446 ms

Loss rate: 0.00%

Run 4: Report of Copa — Data Link



Run 5: Statistics of Copa

Start at: 2019-02-11 13:10:35

End at: 2019-02-11 13:11:05

Local clock offset: 1.155 ms

Remote clock offset: 1.81 ms

Below is generated by plot.py at 2019-02-11 13:48:30

Datalink statistics

-- Total of 1 flow:

Average throughput: 319.83 Mbit/s

95th percentile per-packet one-way delay: 136.616 ms

Loss rate: 0.00%

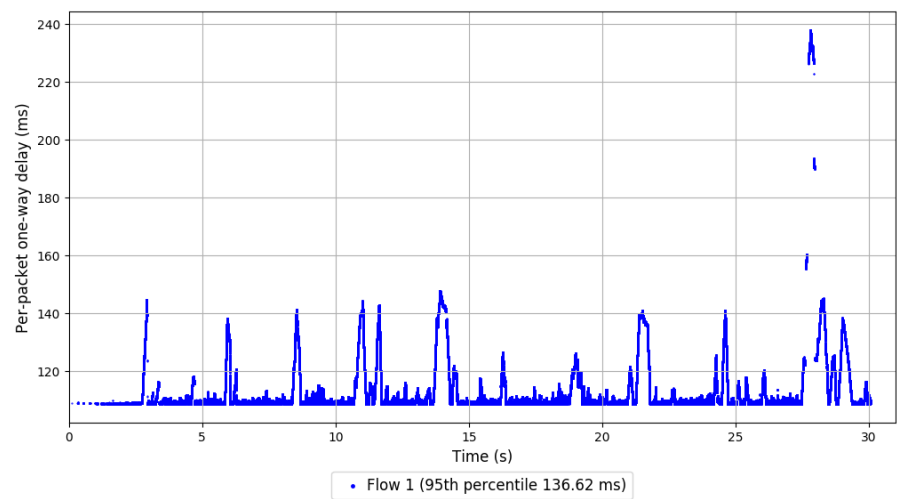
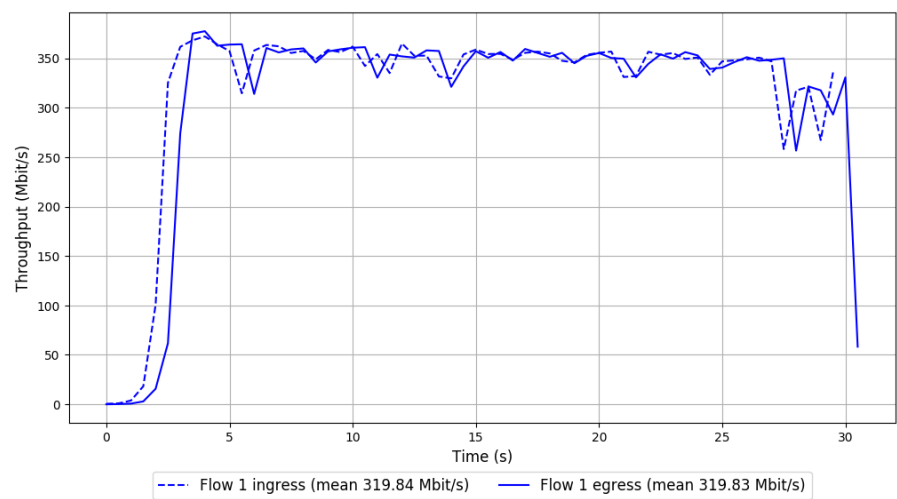
-- Flow 1:

Average throughput: 319.83 Mbit/s

95th percentile per-packet one-way delay: 136.616 ms

Loss rate: 0.00%

Run 5: Report of Copa — Data Link

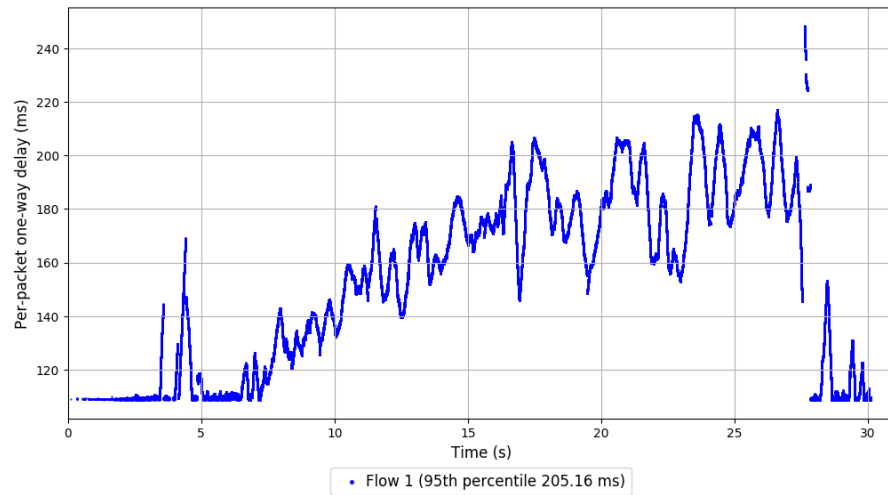
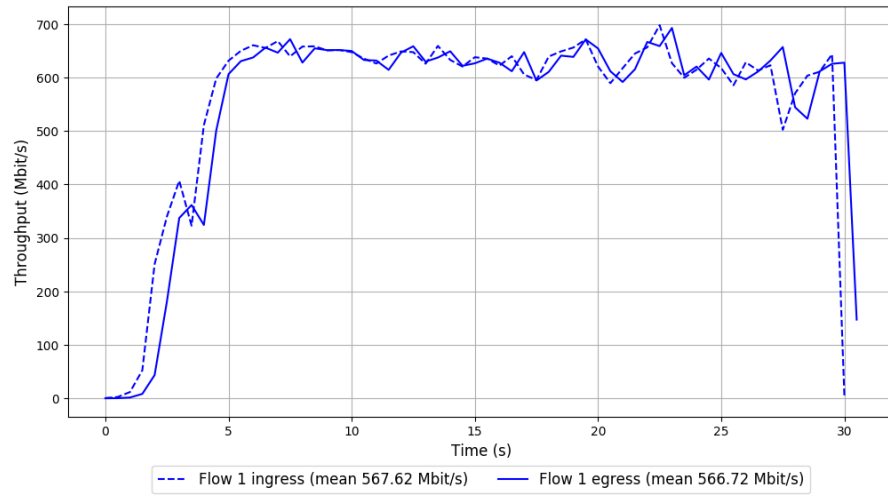


Run 1: Statistics of TCP Cubic

Start at: 2019-02-11 11:02:47
End at: 2019-02-11 11:03:17
Local clock offset: 15.198 ms
Remote clock offset: 20.033 ms

Below is generated by plot.py at 2019-02-11 13:48:30
Datalink statistics
-- Total of 1 flow:
Average throughput: 566.72 Mbit/s
95th percentile per-packet one-way delay: 205.160 ms
Loss rate: 0.16%
-- Flow 1:
Average throughput: 566.72 Mbit/s
95th percentile per-packet one-way delay: 205.160 ms
Loss rate: 0.16%

Run 1: Report of TCP Cubic — Data Link

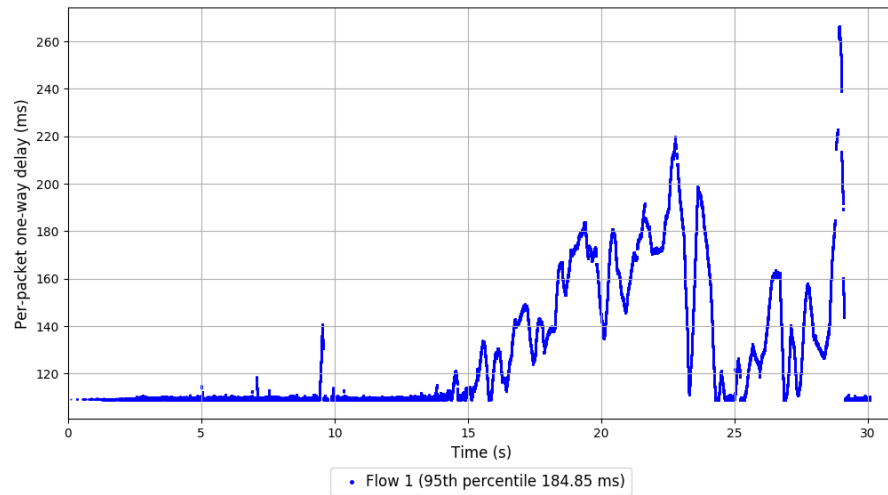
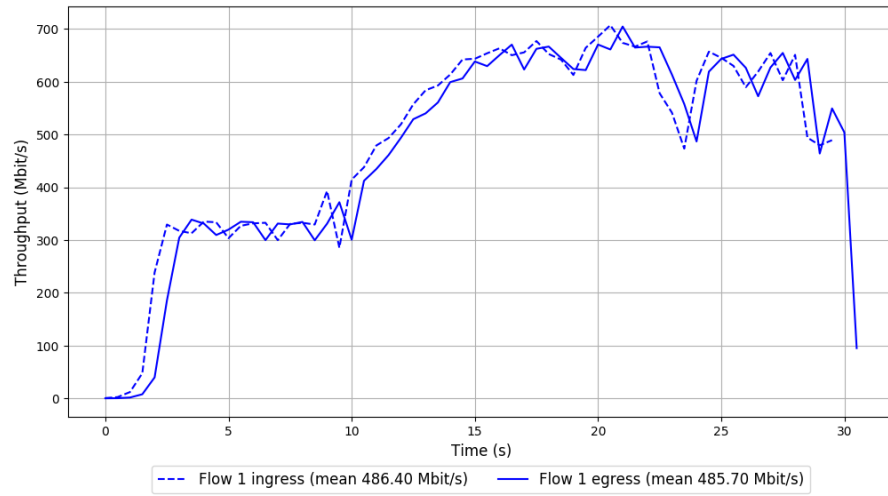


Run 2: Statistics of TCP Cubic

Start at: 2019-02-11 11:35:21
End at: 2019-02-11 11:35:51
Local clock offset: 25.002 ms
Remote clock offset: 34.539 ms

Below is generated by plot.py at 2019-02-11 13:48:30
Datalink statistics
-- Total of 1 flow:
Average throughput: 485.70 Mbit/s
95th percentile per-packet one-way delay: 184.849 ms
Loss rate: 0.15%
-- Flow 1:
Average throughput: 485.70 Mbit/s
95th percentile per-packet one-way delay: 184.849 ms
Loss rate: 0.15%

Run 2: Report of TCP Cubic — Data Link

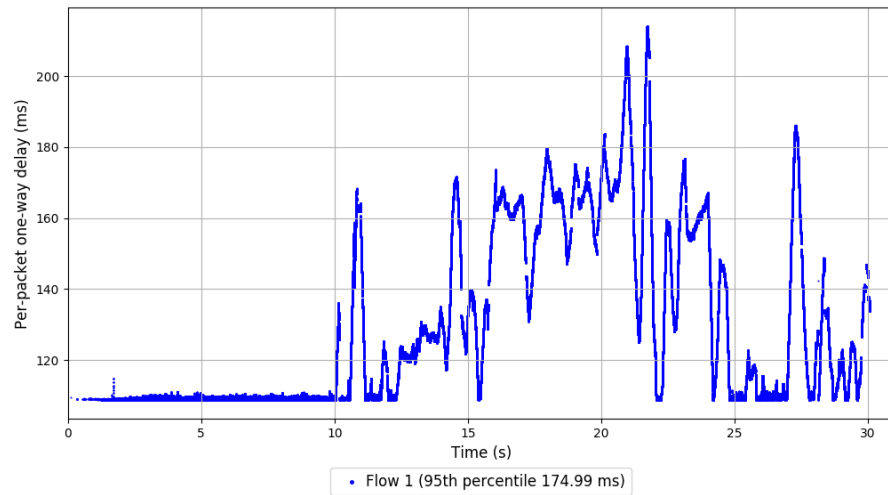
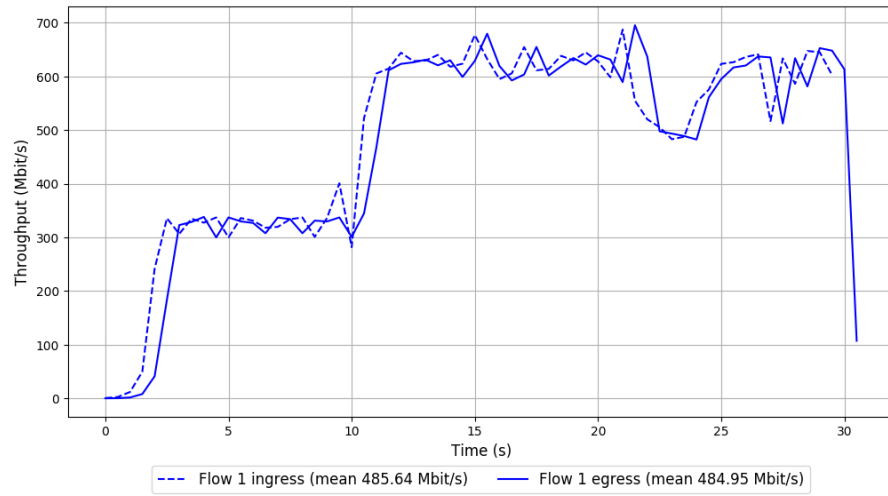


Run 3: Statistics of TCP Cubic

Start at: 2019-02-11 12:07:25
End at: 2019-02-11 12:07:55
Local clock offset: 13.452 ms
Remote clock offset: 17.296 ms

Below is generated by plot.py at 2019-02-11 13:48:30
Datalink statistics
-- Total of 1 flow:
Average throughput: 484.95 Mbit/s
95th percentile per-packet one-way delay: 174.992 ms
Loss rate: 0.14%
-- Flow 1:
Average throughput: 484.95 Mbit/s
95th percentile per-packet one-way delay: 174.992 ms
Loss rate: 0.14%

Run 3: Report of TCP Cubic — Data Link



Run 4: Statistics of TCP Cubic

Start at: 2019-02-11 12:39:51

End at: 2019-02-11 12:40:21

Local clock offset: 2.518 ms

Remote clock offset: 8.17 ms

Below is generated by plot.py at 2019-02-11 13:48:30

Datalink statistics

-- Total of 1 flow:

Average throughput: 535.68 Mbit/s

95th percentile per-packet one-way delay: 165.520 ms

Loss rate: 0.05%

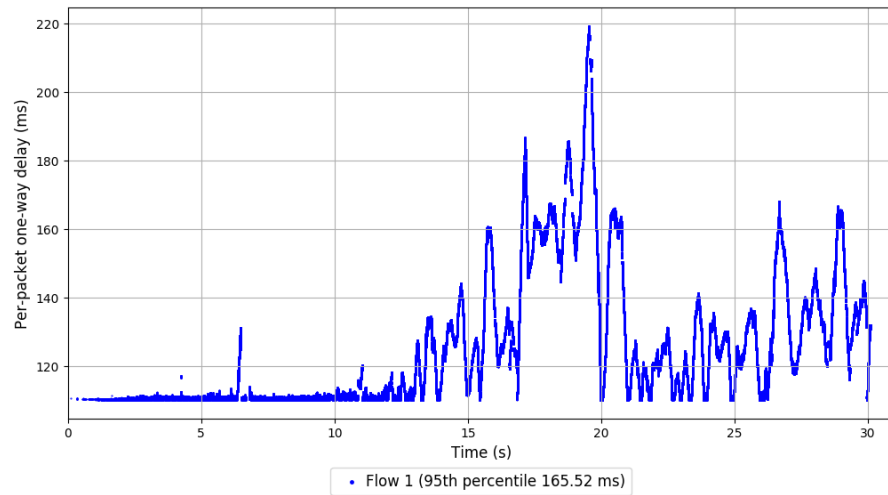
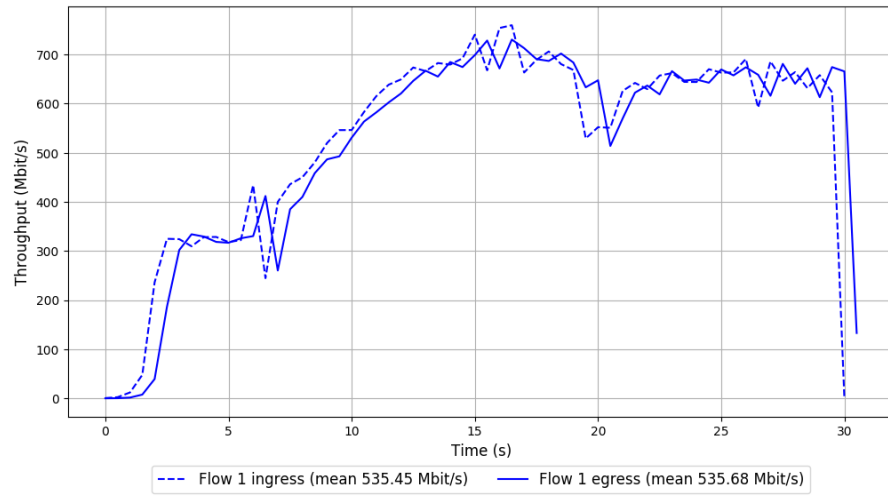
-- Flow 1:

Average throughput: 535.68 Mbit/s

95th percentile per-packet one-way delay: 165.520 ms

Loss rate: 0.05%

Run 4: Report of TCP Cubic — Data Link



Run 5: Statistics of TCP Cubic

Start at: 2019-02-11 13:12:18

End at: 2019-02-11 13:12:48

Local clock offset: 0.859 ms

Remote clock offset: 2.187 ms

Below is generated by plot.py at 2019-02-11 13:49:28

Datalink statistics

-- Total of 1 flow:

Average throughput: 544.65 Mbit/s

95th percentile per-packet one-way delay: 175.486 ms

Loss rate: 0.16%

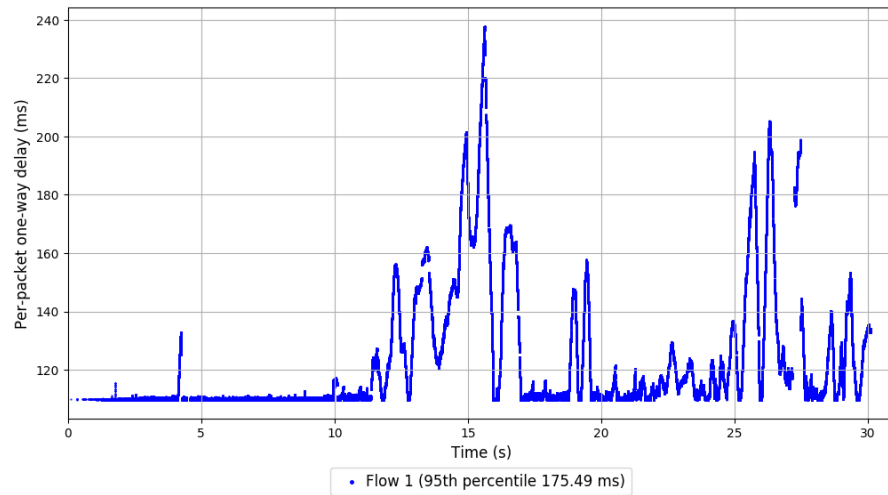
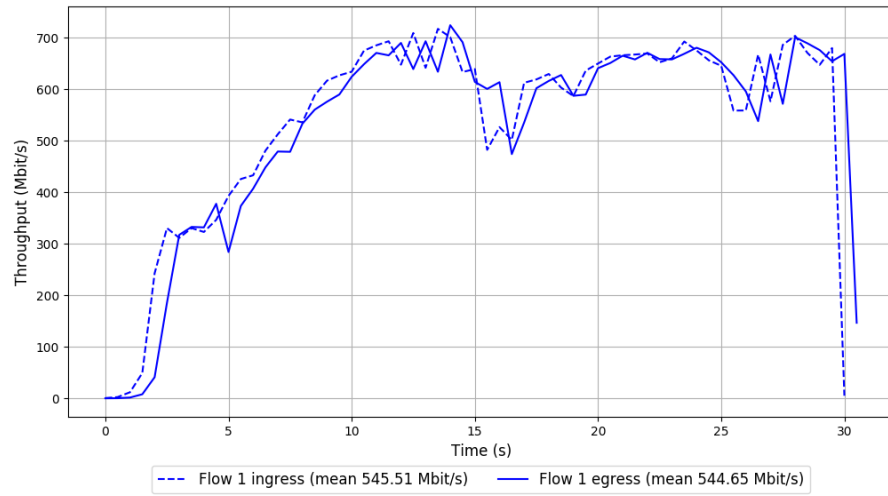
-- Flow 1:

Average throughput: 544.65 Mbit/s

95th percentile per-packet one-way delay: 175.486 ms

Loss rate: 0.16%

Run 5: Report of TCP Cubic — Data Link

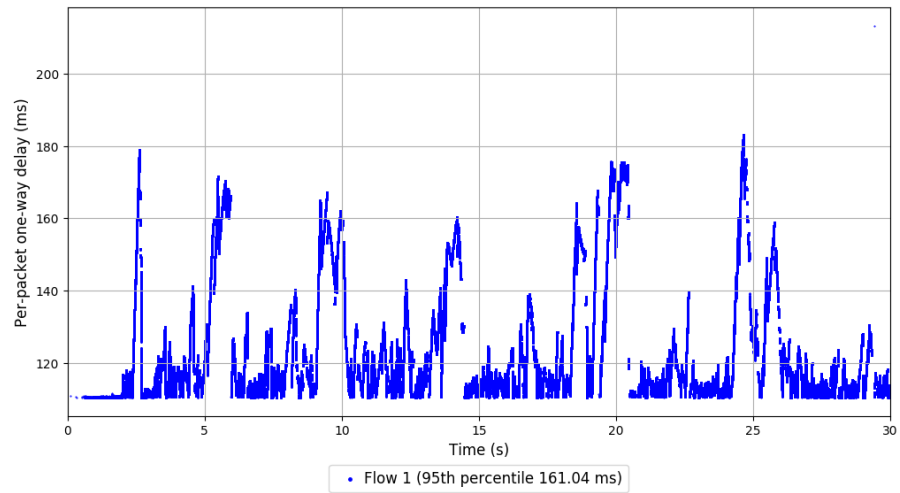
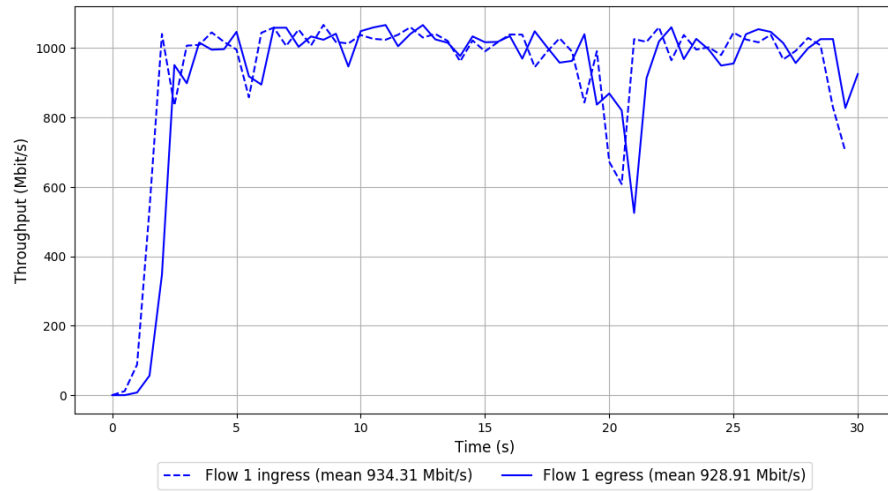


Run 1: Statistics of FillP

Start at: 2019-02-11 10:54:54
End at: 2019-02-11 10:55:24
Local clock offset: 9.492 ms
Remote clock offset: 13.712 ms

Below is generated by plot.py at 2019-02-11 13:57:10
Datalink statistics
-- Total of 1 flow:
Average throughput: 928.91 Mbit/s
95th percentile per-packet one-way delay: 161.036 ms
Loss rate: 0.58%
-- Flow 1:
Average throughput: 928.91 Mbit/s
95th percentile per-packet one-way delay: 161.036 ms
Loss rate: 0.58%

Run 1: Report of FillP — Data Link

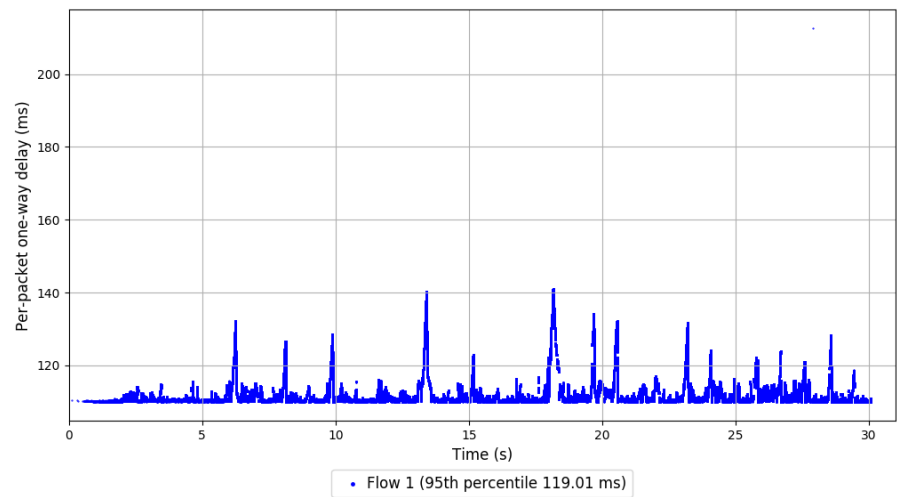
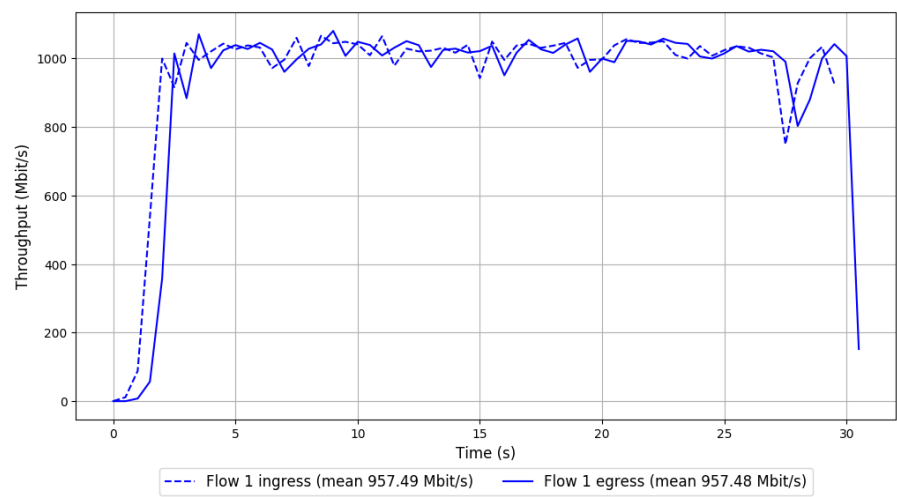


Run 2: Statistics of FillP

Start at: 2019-02-11 11:27:16
End at: 2019-02-11 11:27:46
Local clock offset: 18.837 ms
Remote clock offset: 26.454 ms

Below is generated by plot.py at 2019-02-11 14:07:56
Datalink statistics
-- Total of 1 flow:
Average throughput: 957.48 Mbit/s
95th percentile per-packet one-way delay: 119.010 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 957.48 Mbit/s
95th percentile per-packet one-way delay: 119.010 ms
Loss rate: 0.00%

Run 2: Report of FillP — Data Link

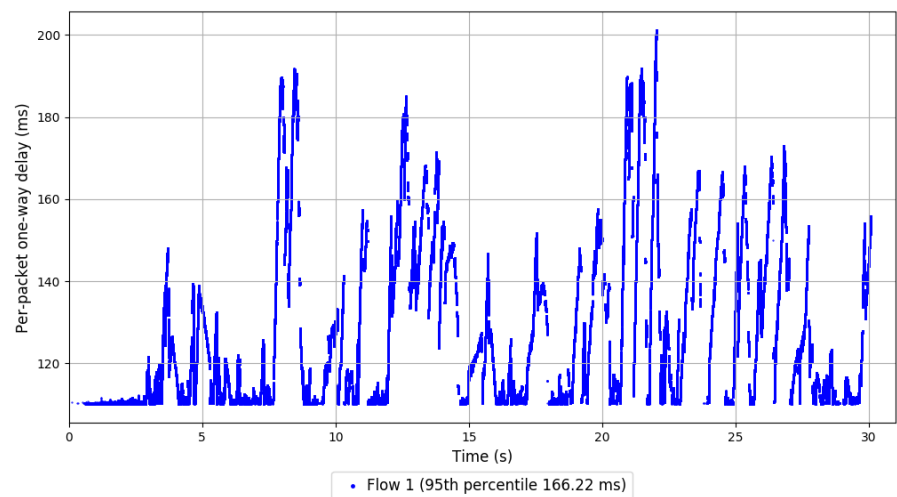
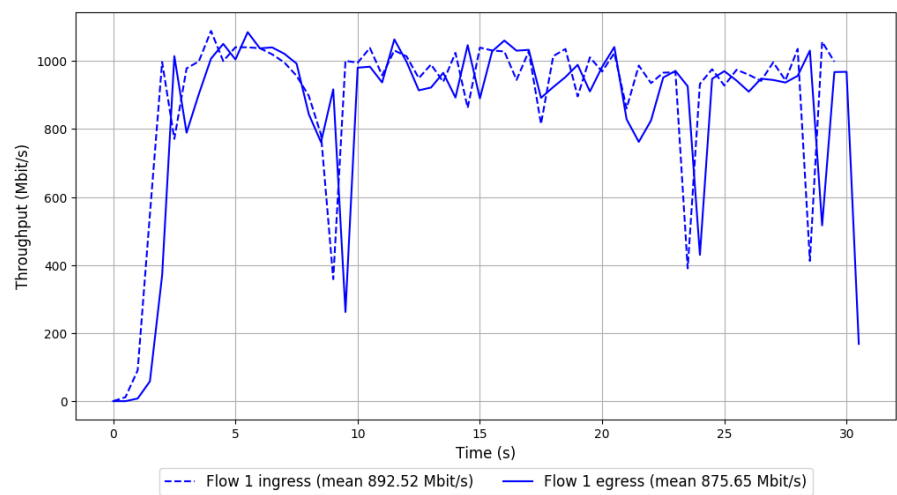


Run 3: Statistics of FillP

Start at: 2019-02-11 11:59:43
End at: 2019-02-11 12:00:13
Local clock offset: 10.908 ms
Remote clock offset: 15.717 ms

Below is generated by plot.py at 2019-02-11 14:07:56
Datalink statistics
-- Total of 1 flow:
Average throughput: 875.65 Mbit/s
95th percentile per-packet one-way delay: 166.219 ms
Loss rate: 1.89%
-- Flow 1:
Average throughput: 875.65 Mbit/s
95th percentile per-packet one-way delay: 166.219 ms
Loss rate: 1.89%

Run 3: Report of FillP — Data Link



Run 4: Statistics of FillP

Start at: 2019-02-11 12:31:42

End at: 2019-02-11 12:32:12

Local clock offset: 4.067 ms

Remote clock offset: 7.814 ms

Below is generated by plot.py at 2019-02-11 14:07:57

Datalink statistics

-- Total of 1 flow:

Average throughput: 905.63 Mbit/s

95th percentile per-packet one-way delay: 168.666 ms

Loss rate: 2.34%

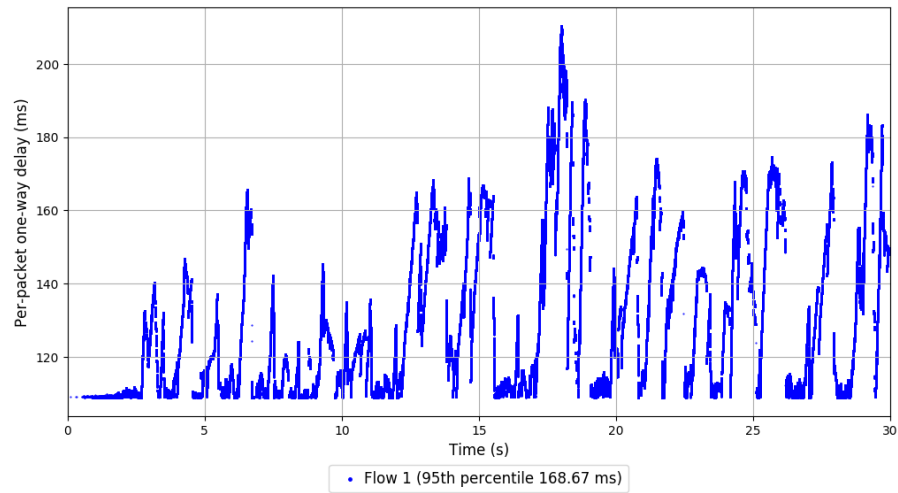
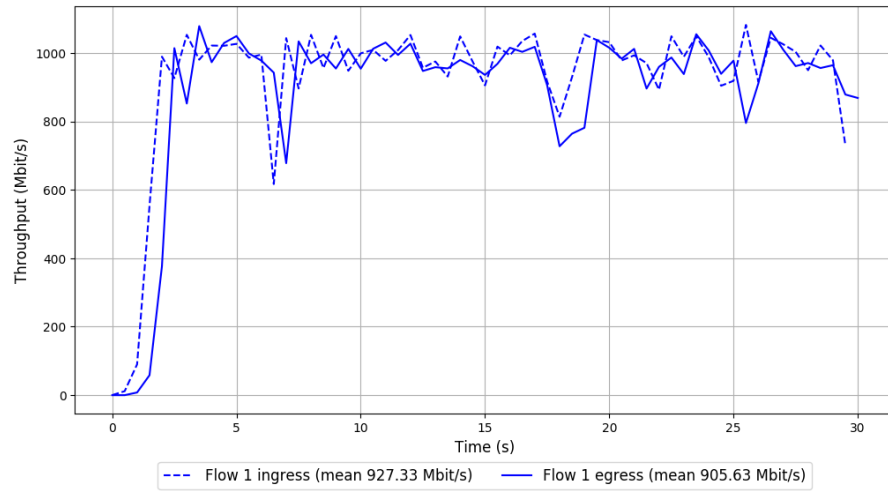
-- Flow 1:

Average throughput: 905.63 Mbit/s

95th percentile per-packet one-way delay: 168.666 ms

Loss rate: 2.34%

Run 4: Report of FillP — Data Link



Run 5: Statistics of FillP

Start at: 2019-02-11 13:04:15

End at: 2019-02-11 13:04:45

Local clock offset: 0.519 ms

Remote clock offset: 2.767 ms

Below is generated by plot.py at 2019-02-11 14:08:22

Datalink statistics

-- Total of 1 flow:

Average throughput: 910.46 Mbit/s

95th percentile per-packet one-way delay: 162.805 ms

Loss rate: 0.81%

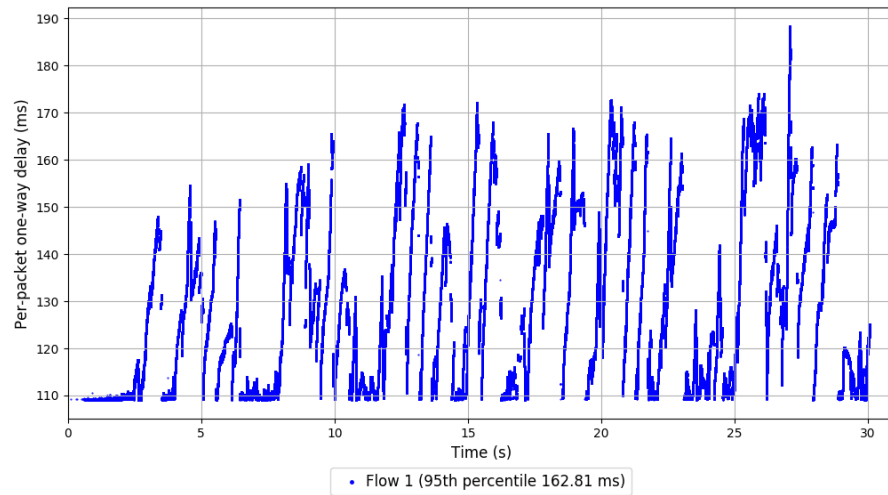
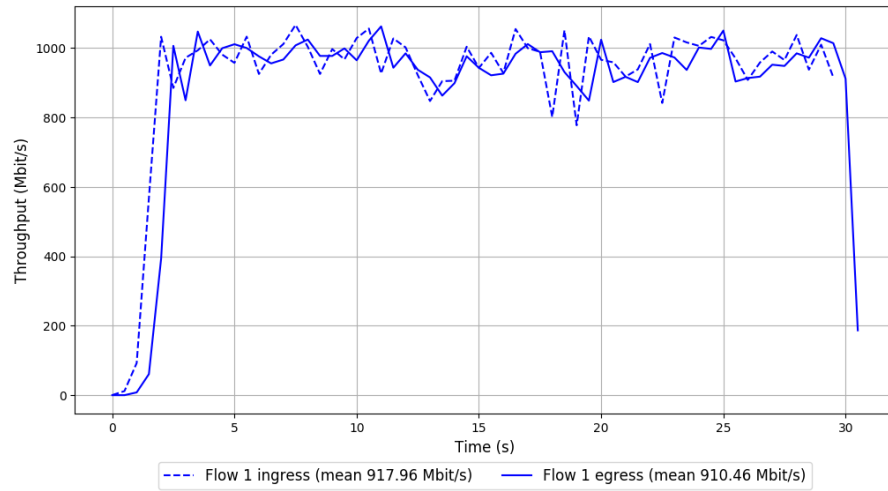
-- Flow 1:

Average throughput: 910.46 Mbit/s

95th percentile per-packet one-way delay: 162.805 ms

Loss rate: 0.81%

Run 5: Report of FillP — Data Link



Run 1: Statistics of FillP-Sheep

Start at: 2019-02-11 10:42:42

End at: 2019-02-11 10:43:12

Local clock offset: 8.654 ms

Remote clock offset: 10.577 ms

Below is generated by plot.py at 2019-02-11 14:08:29

Datalink statistics

-- Total of 1 flow:

Average throughput: 901.01 Mbit/s

95th percentile per-packet one-way delay: 162.871 ms

Loss rate: 0.76%

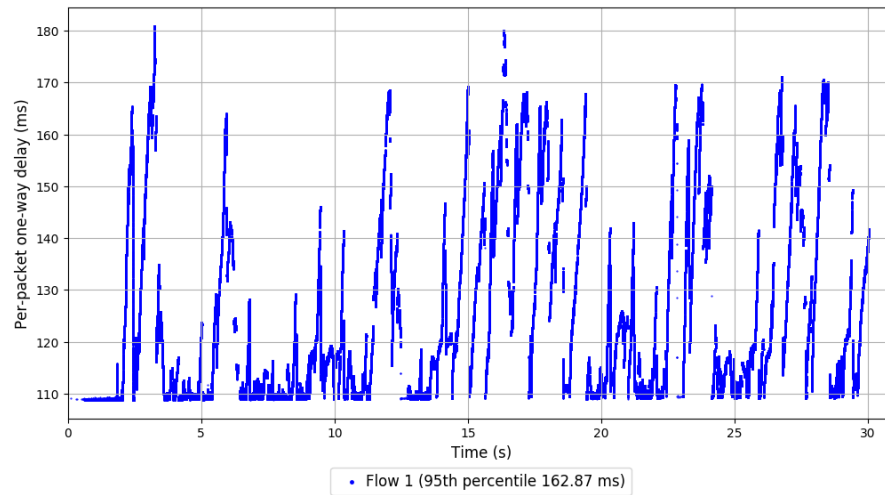
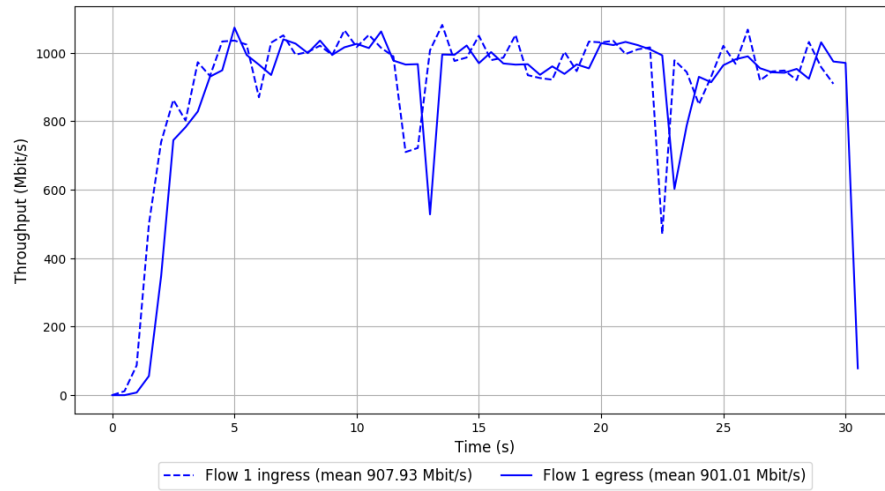
-- Flow 1:

Average throughput: 901.01 Mbit/s

95th percentile per-packet one-way delay: 162.871 ms

Loss rate: 0.76%

Run 1: Report of FillP-Sheep — Data Link

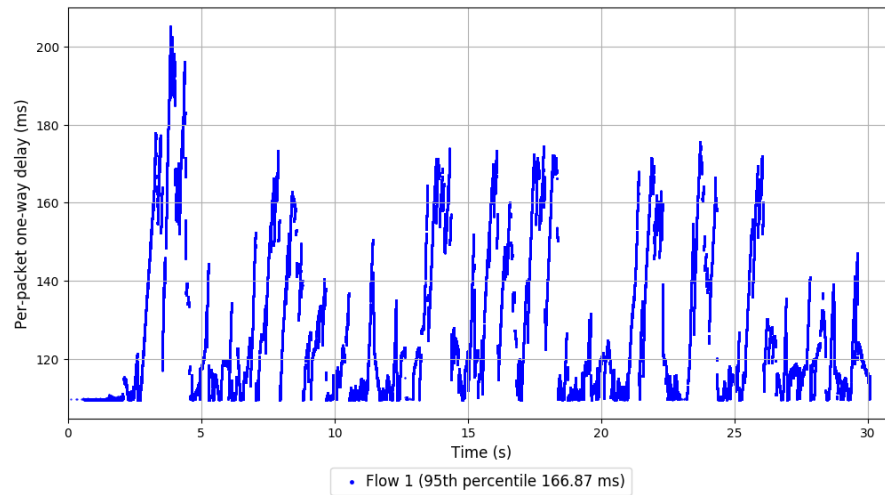
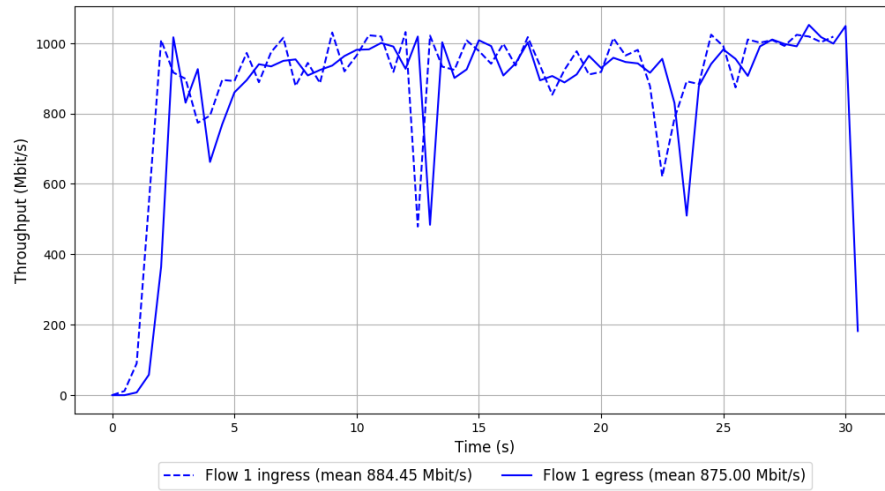


Run 2: Statistics of FillP-Sheep

Start at: 2019-02-11 11:14:52
End at: 2019-02-11 11:15:22
Local clock offset: 15.626 ms
Remote clock offset: 21.044 ms

Below is generated by plot.py at 2019-02-11 14:08:29
Datalink statistics
-- Total of 1 flow:
Average throughput: 875.00 Mbit/s
95th percentile per-packet one-way delay: 166.873 ms
Loss rate: 1.07%
-- Flow 1:
Average throughput: 875.00 Mbit/s
95th percentile per-packet one-way delay: 166.873 ms
Loss rate: 1.07%

Run 2: Report of FillP-Sheep — Data Link

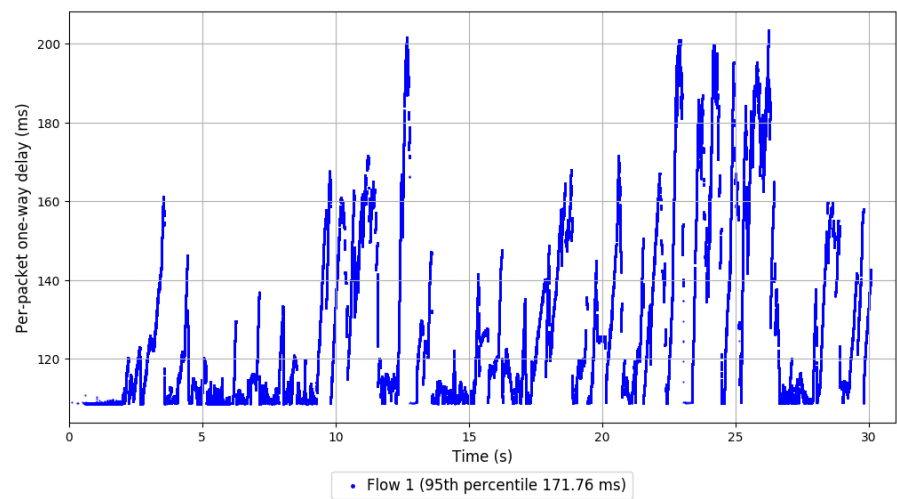
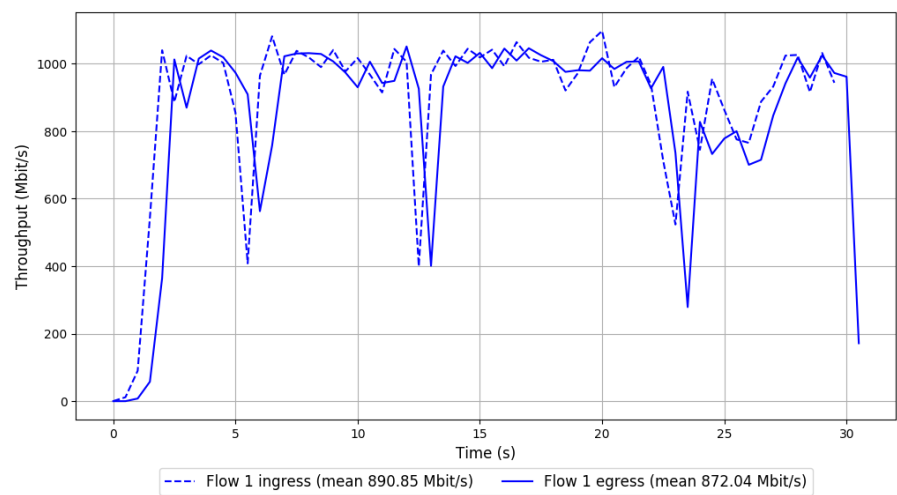


Run 3: Statistics of FillP-Sheep

Start at: 2019-02-11 11:47:19
End at: 2019-02-11 11:47:49
Local clock offset: 19.861 ms
Remote clock offset: 25.597 ms

Below is generated by plot.py at 2019-02-11 14:09:13
Datalink statistics
-- Total of 1 flow:
Average throughput: 872.04 Mbit/s
95th percentile per-packet one-way delay: 171.763 ms
Loss rate: 2.11%
-- Flow 1:
Average throughput: 872.04 Mbit/s
95th percentile per-packet one-way delay: 171.763 ms
Loss rate: 2.11%

Run 3: Report of FillP-Sheep — Data Link



Run 4: Statistics of FillP-Sheep

Start at: 2019-02-11 12:19:19

End at: 2019-02-11 12:19:49

Local clock offset: 11.789 ms

Remote clock offset: 15.2 ms

Below is generated by plot.py at 2019-02-11 14:18:32

Datalink statistics

-- Total of 1 flow:

Average throughput: 885.71 Mbit/s

95th percentile per-packet one-way delay: 112.373 ms

Loss rate: 0.12%

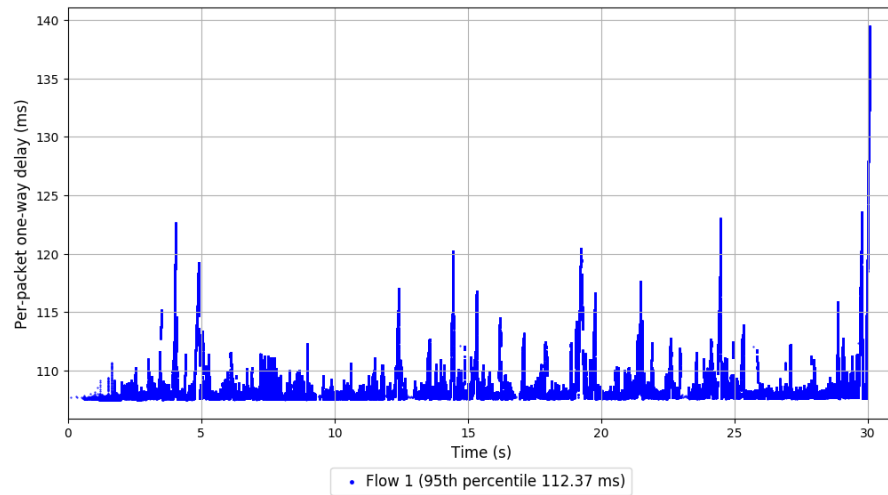
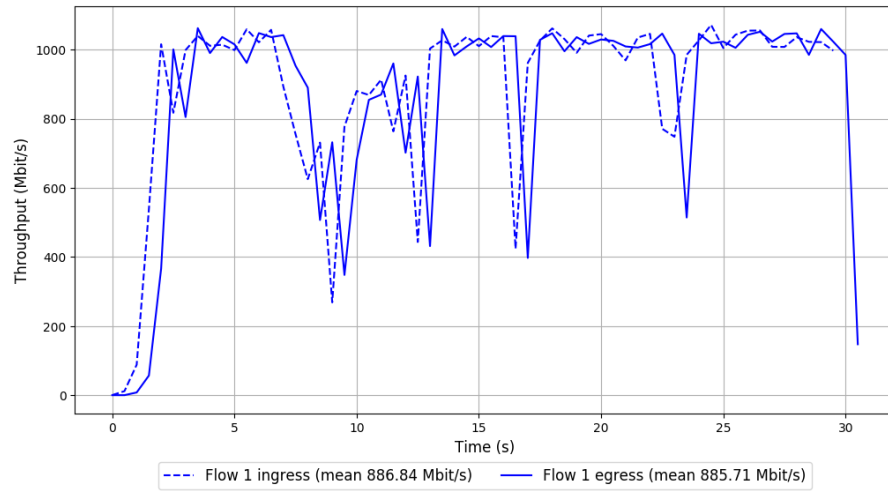
-- Flow 1:

Average throughput: 885.71 Mbit/s

95th percentile per-packet one-way delay: 112.373 ms

Loss rate: 0.12%

Run 4: Report of FillP-Sheep — Data Link



Run 5: Statistics of FillP-Sheep

Start at: 2019-02-11 12:51:50

End at: 2019-02-11 12:52:21

Local clock offset: 2.188 ms

Remote clock offset: 8.363 ms

Below is generated by plot.py at 2019-02-11 14:25:47

Datalink statistics

-- Total of 1 flow:

Average throughput: 850.47 Mbit/s

95th percentile per-packet one-way delay: 167.939 ms

Loss rate: 1.42%

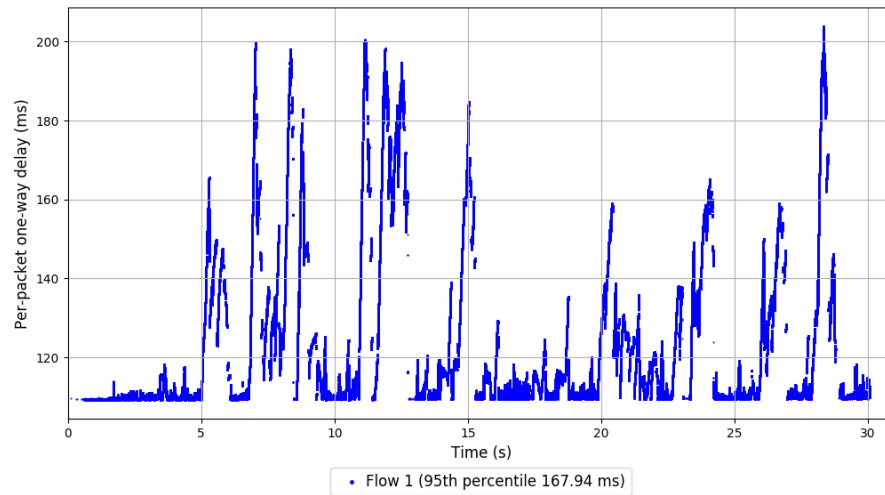
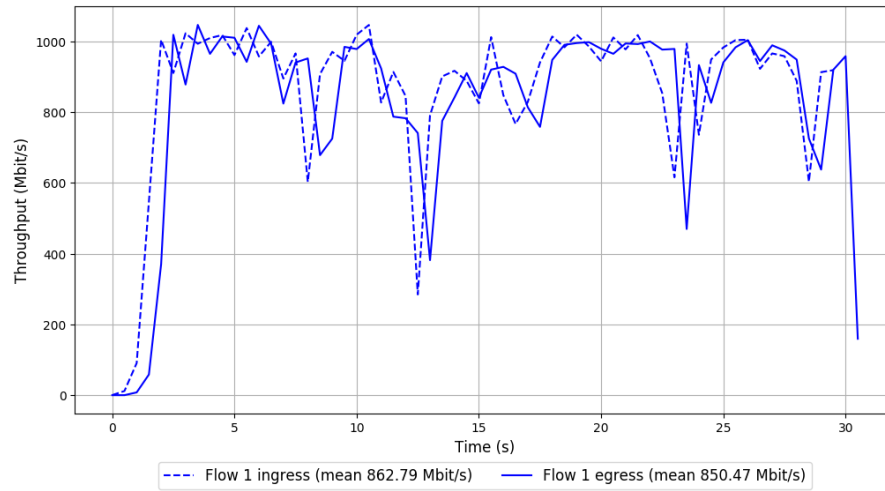
-- Flow 1:

Average throughput: 850.47 Mbit/s

95th percentile per-packet one-way delay: 167.939 ms

Loss rate: 1.42%

Run 5: Report of FillP-Sheep — Data Link



Run 1: Statistics of Indigo

Start at: 2019-02-11 10:44:30

End at: 2019-02-11 10:45:00

Local clock offset: 7.728 ms

Remote clock offset: 8.339 ms

Below is generated by plot.py at 2019-02-11 14:25:47

Datalink statistics

-- Total of 1 flow:

Average throughput: 155.49 Mbit/s

95th percentile per-packet one-way delay: 108.660 ms

Loss rate: 0.00%

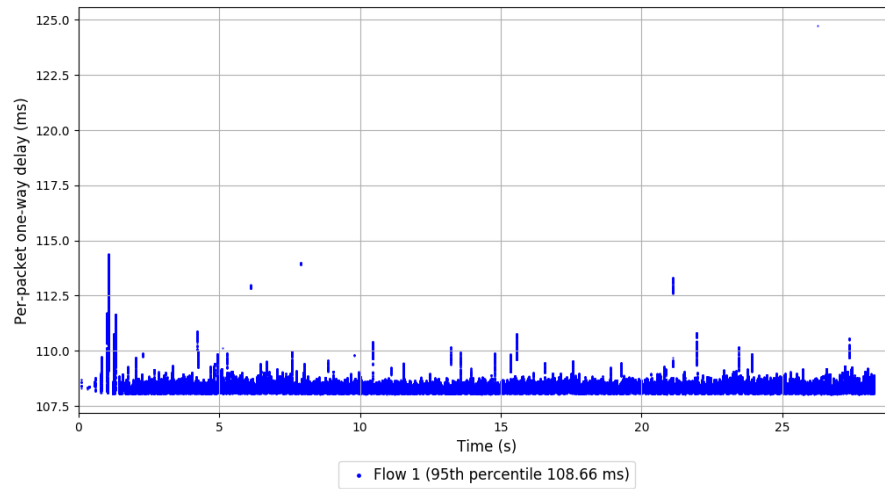
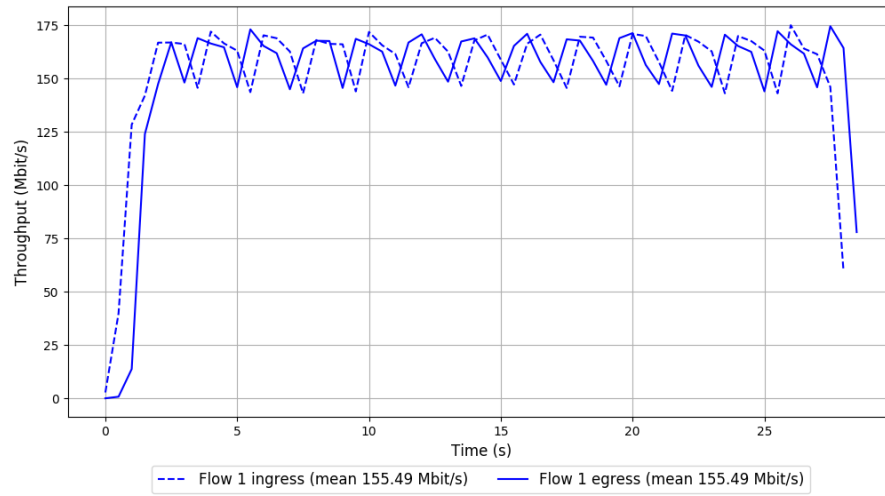
-- Flow 1:

Average throughput: 155.49 Mbit/s

95th percentile per-packet one-way delay: 108.660 ms

Loss rate: 0.00%

Run 1: Report of Indigo — Data Link

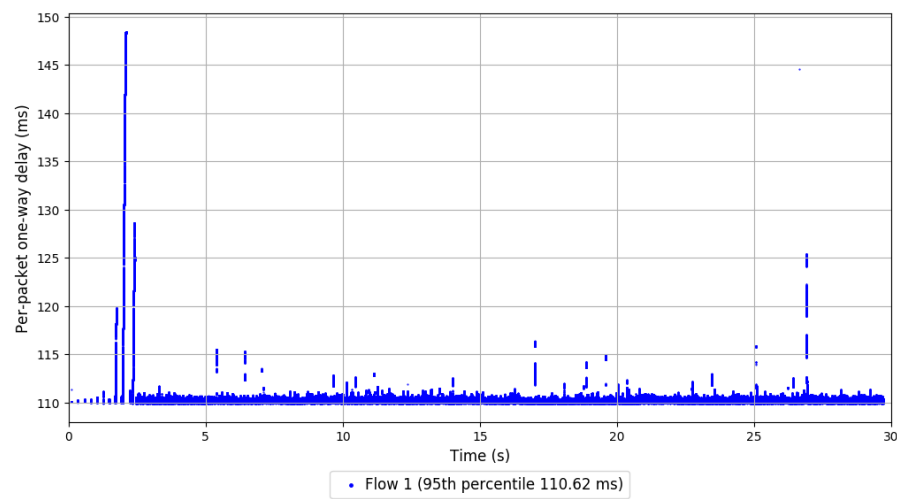
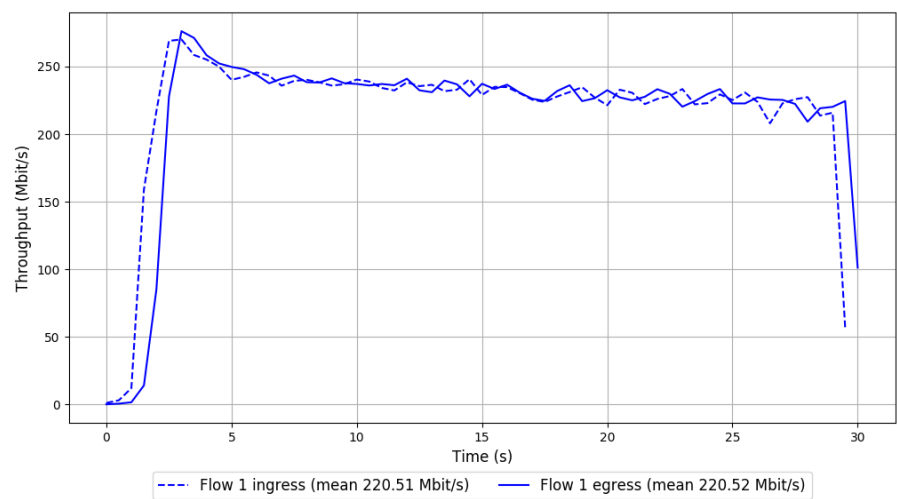


Run 2: Statistics of Indigo

Start at: 2019-02-11 11:16:40
End at: 2019-02-11 11:17:10
Local clock offset: 14.597 ms
Remote clock offset: 20.575 ms

Below is generated by plot.py at 2019-02-11 14:25:47
Datalink statistics
-- Total of 1 flow:
Average throughput: 220.52 Mbit/s
95th percentile per-packet one-way delay: 110.625 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 220.52 Mbit/s
95th percentile per-packet one-way delay: 110.625 ms
Loss rate: 0.00%

Run 2: Report of Indigo — Data Link

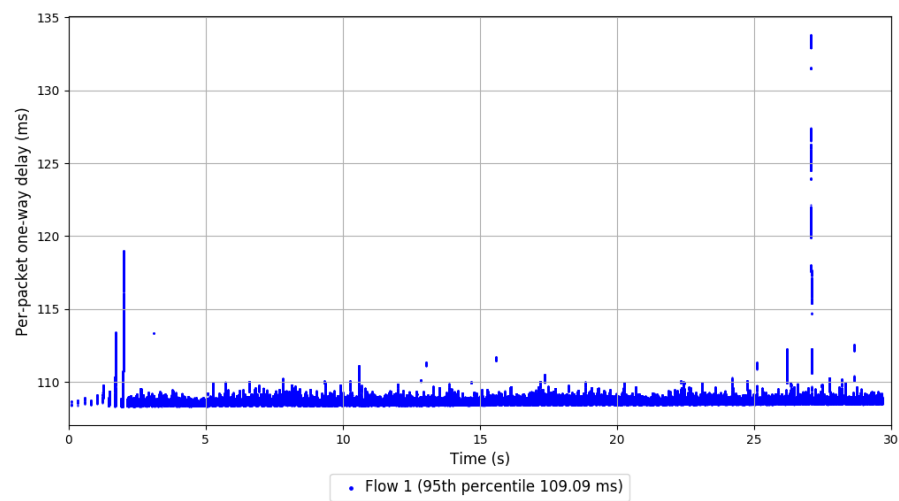
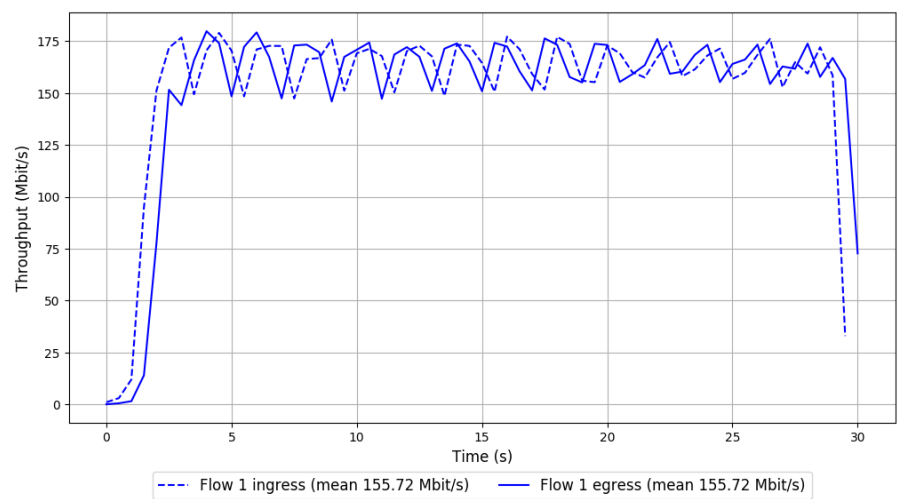


Run 3: Statistics of Indigo

Start at: 2019-02-11 11:49:07
End at: 2019-02-11 11:49:37
Local clock offset: 17.46 ms
Remote clock offset: 22.334 ms

Below is generated by plot.py at 2019-02-11 14:25:47
Datalink statistics
-- Total of 1 flow:
Average throughput: 155.72 Mbit/s
95th percentile per-packet one-way delay: 109.091 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 155.72 Mbit/s
95th percentile per-packet one-way delay: 109.091 ms
Loss rate: 0.00%

Run 3: Report of Indigo — Data Link

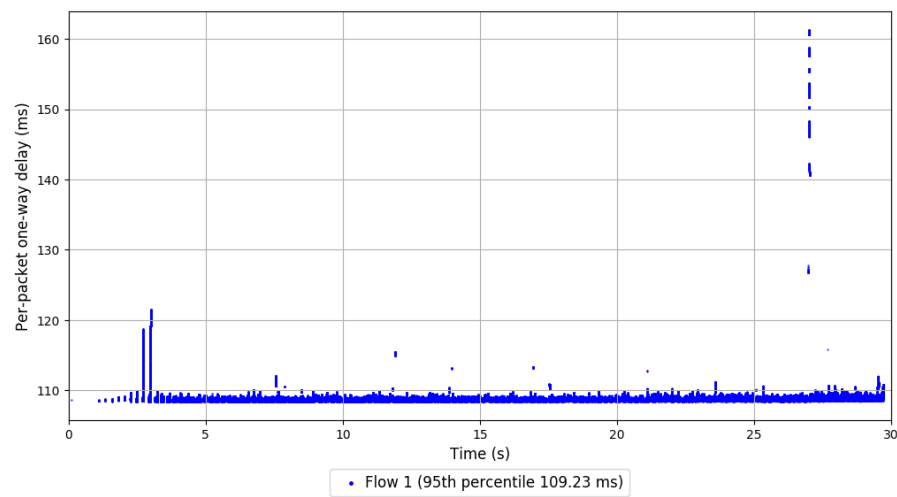
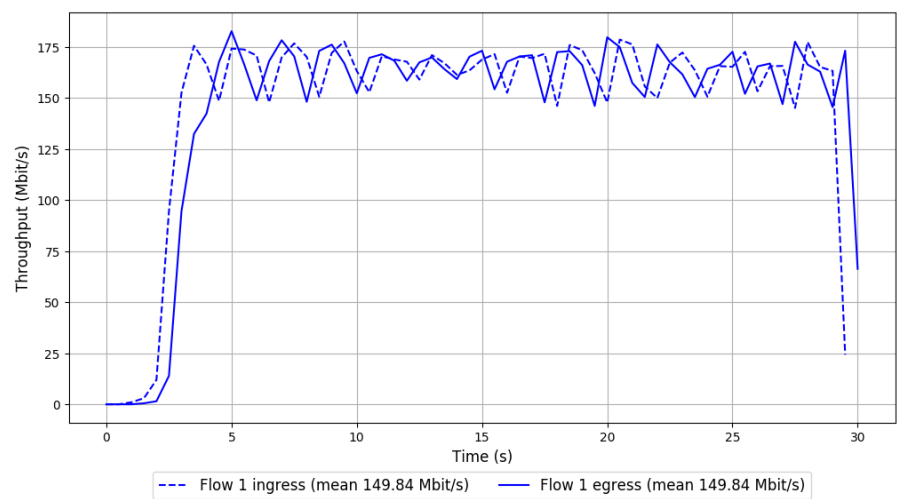


Run 4: Statistics of Indigo

Start at: 2019-02-11 12:21:09
End at: 2019-02-11 12:21:39
Local clock offset: 8.728 ms
Remote clock offset: 12.712 ms

Below is generated by plot.py at 2019-02-11 14:25:47
Datalink statistics
-- Total of 1 flow:
Average throughput: 149.84 Mbit/s
95th percentile per-packet one-way delay: 109.227 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 149.84 Mbit/s
95th percentile per-packet one-way delay: 109.227 ms
Loss rate: 0.00%

Run 4: Report of Indigo — Data Link



Run 5: Statistics of Indigo

Start at: 2019-02-11 12:53:38

End at: 2019-02-11 12:54:08

Local clock offset: 2.534 ms

Remote clock offset: 6.969 ms

Below is generated by plot.py at 2019-02-11 14:25:47

Datalink statistics

-- Total of 1 flow:

Average throughput: 156.11 Mbit/s

95th percentile per-packet one-way delay: 109.985 ms

Loss rate: 0.00%

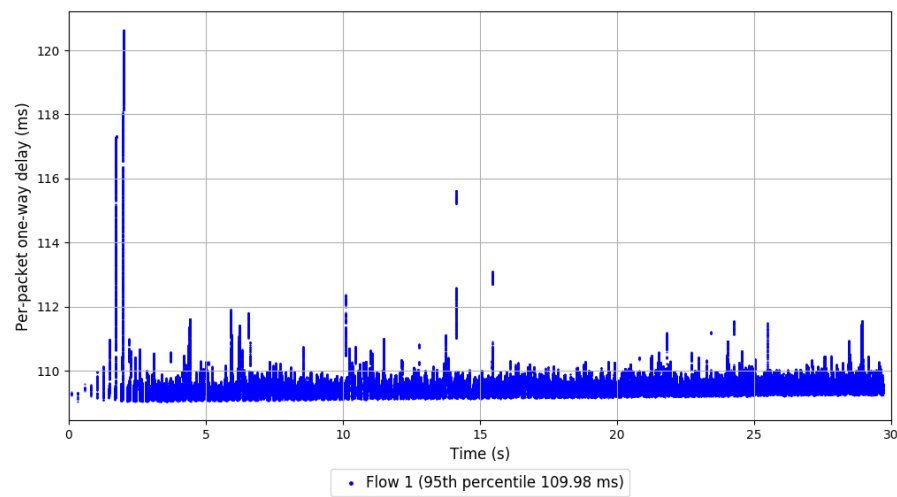
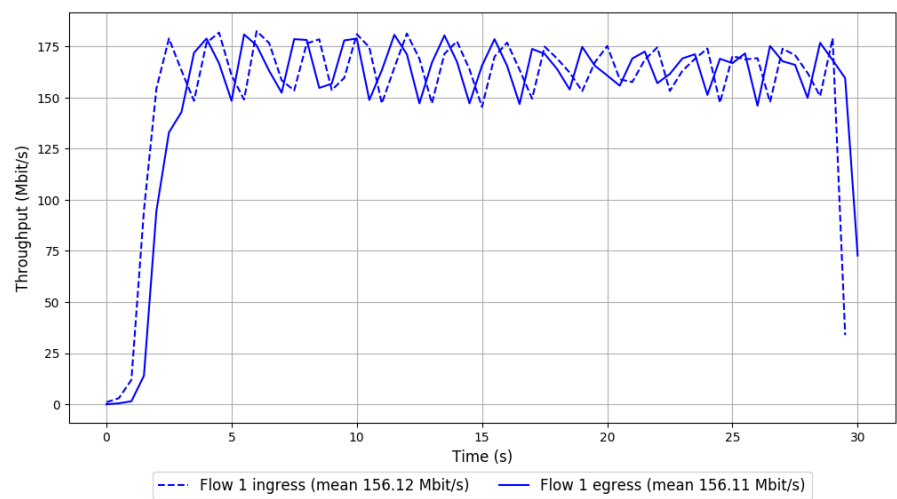
-- Flow 1:

Average throughput: 156.11 Mbit/s

95th percentile per-packet one-way delay: 109.985 ms

Loss rate: 0.00%

Run 5: Report of Indigo — Data Link



Run 1: Statistics of Indigo-MusesC3

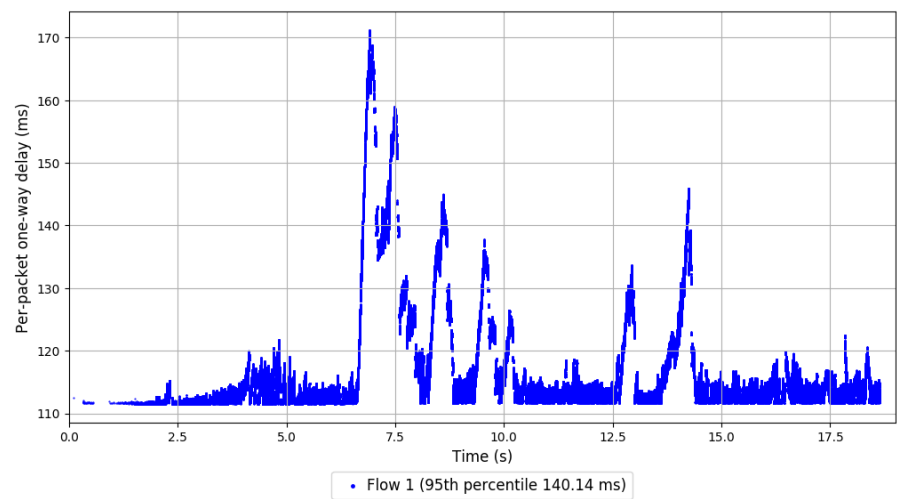
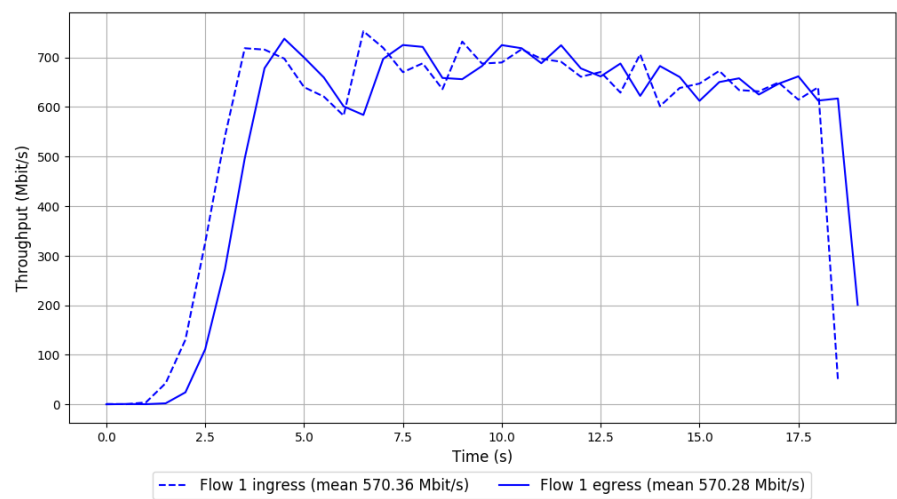
Start at: 2019-02-11 10:35:29

End at: 2019-02-11 10:35:59

Local clock offset: 2.263 ms

Remote clock offset: 4.542 ms

Run 1: Report of Indigo-MusesC3 — Data Link

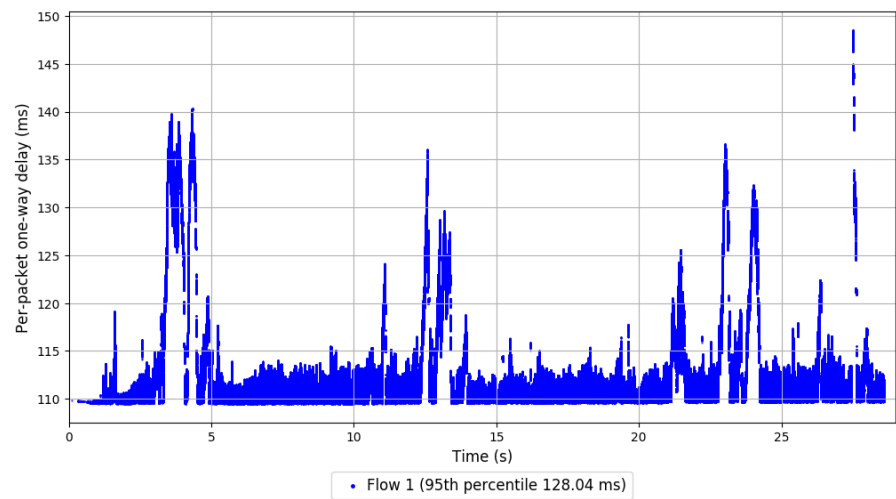
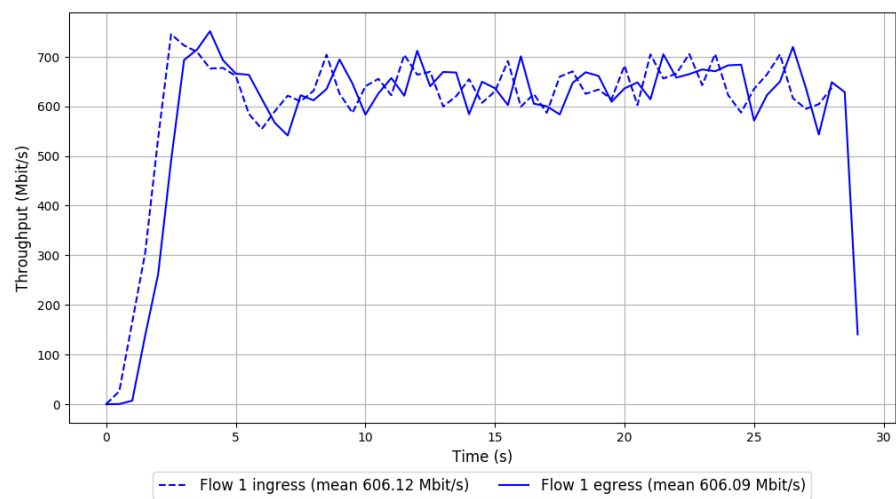


Run 2: Statistics of Indigo-MusesC3

Start at: 2019-02-11 11:07:24
End at: 2019-02-11 11:07:54
Local clock offset: 19.422 ms
Remote clock offset: 27.506 ms

Below is generated by plot.py at 2019-02-11 14:25:47
Datalink statistics
-- Total of 1 flow:
Average throughput: 606.09 Mbit/s
95th percentile per-packet one-way delay: 128.045 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 606.09 Mbit/s
95th percentile per-packet one-way delay: 128.045 ms
Loss rate: 0.00%

Run 2: Report of Indigo-MusesC3 — Data Link

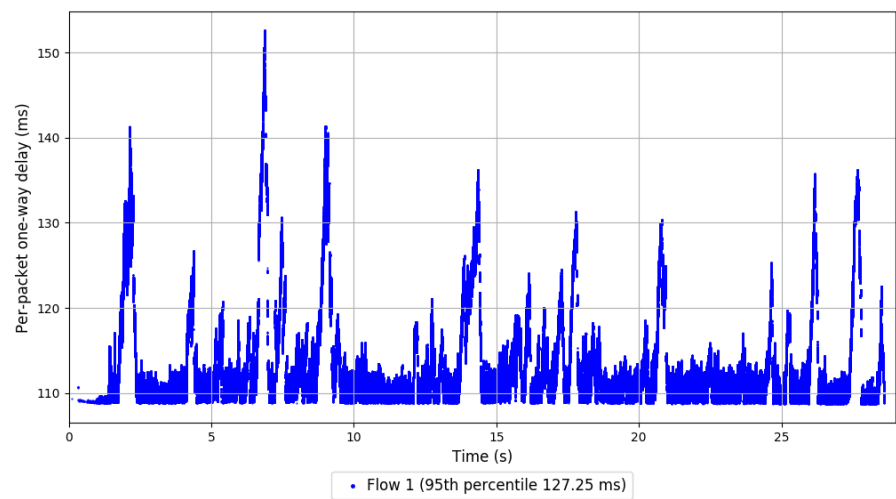
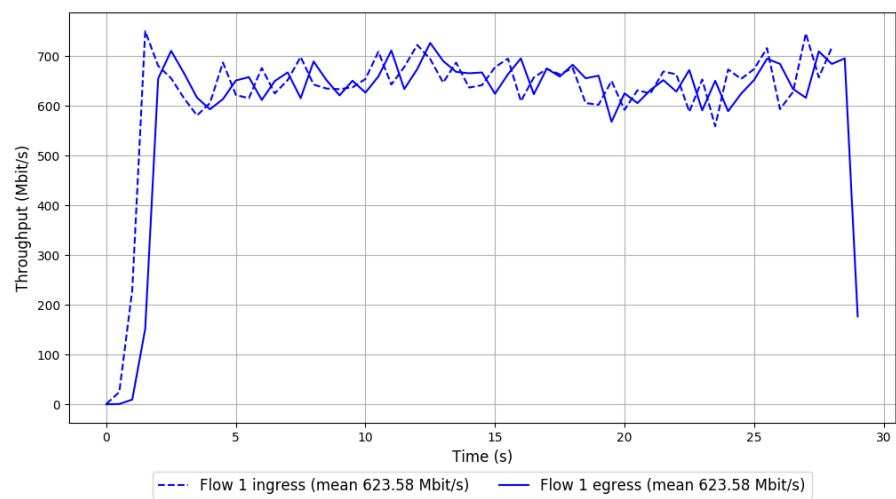


Run 3: Statistics of Indigo-MusesC3

Start at: 2019-02-11 11:39:52
End at: 2019-02-11 11:40:22
Local clock offset: 29.341 ms
Remote clock offset: 39.313 ms

Below is generated by plot.py at 2019-02-11 14:25:47
Datalink statistics
-- Total of 1 flow:
Average throughput: 623.58 Mbit/s
95th percentile per-packet one-way delay: 127.246 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 623.58 Mbit/s
95th percentile per-packet one-way delay: 127.246 ms
Loss rate: 0.00%

Run 3: Report of Indigo-MusesC3 — Data Link

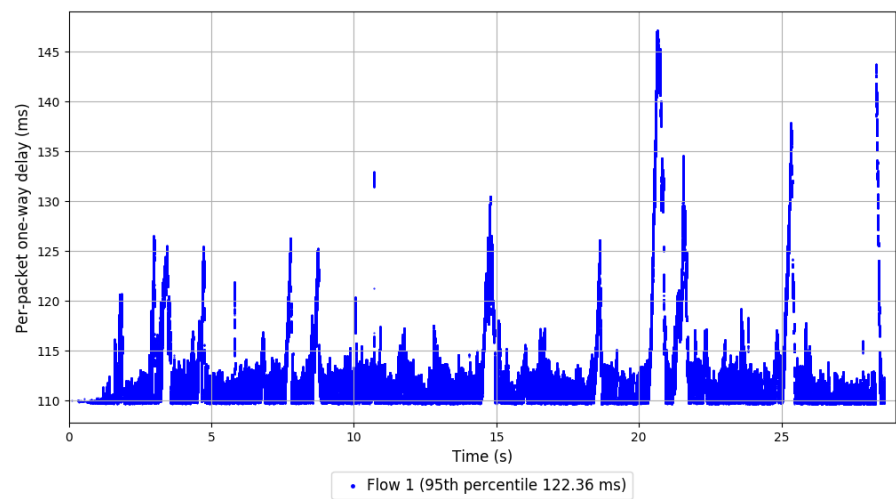
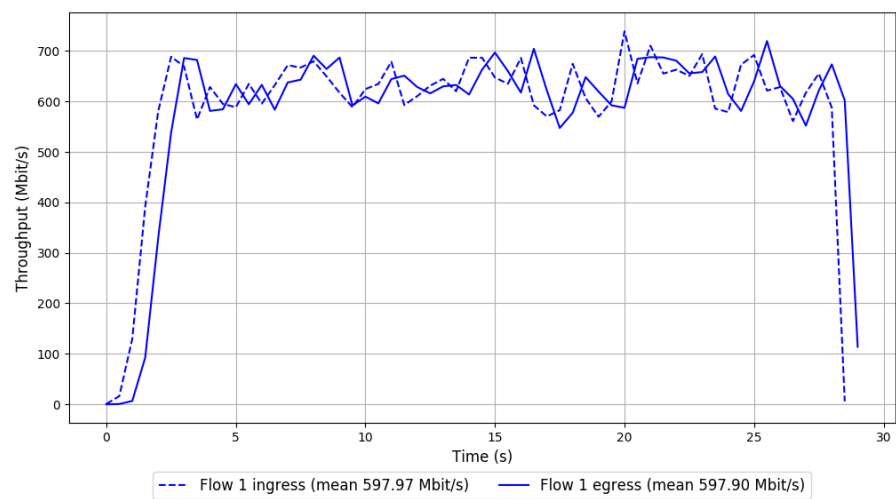


Run 4: Statistics of Indigo-MusesC3

Start at: 2019-02-11 12:11:55
End at: 2019-02-11 12:12:25
Local clock offset: 13.243 ms
Remote clock offset: 18.762 ms

Below is generated by plot.py at 2019-02-11 14:25:47
Datalink statistics
-- Total of 1 flow:
Average throughput: 597.90 Mbit/s
95th percentile per-packet one-way delay: 122.359 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 597.90 Mbit/s
95th percentile per-packet one-way delay: 122.359 ms
Loss rate: 0.01%

Run 4: Report of Indigo-MusesC3 — Data Link



Run 5: Statistics of Indigo-MusesC3

Start at: 2019-02-11 12:44:26

End at: 2019-02-11 12:44:56

Local clock offset: 2.643 ms

Remote clock offset: 8.888 ms

Below is generated by plot.py at 2019-02-11 14:25:47

Datalink statistics

-- Total of 1 flow:

Average throughput: 593.02 Mbit/s

95th percentile per-packet one-way delay: 121.372 ms

Loss rate: 0.01%

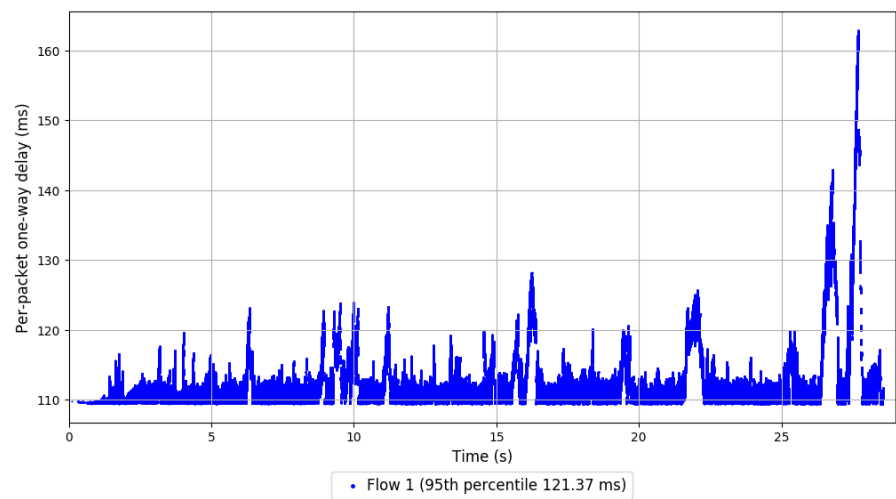
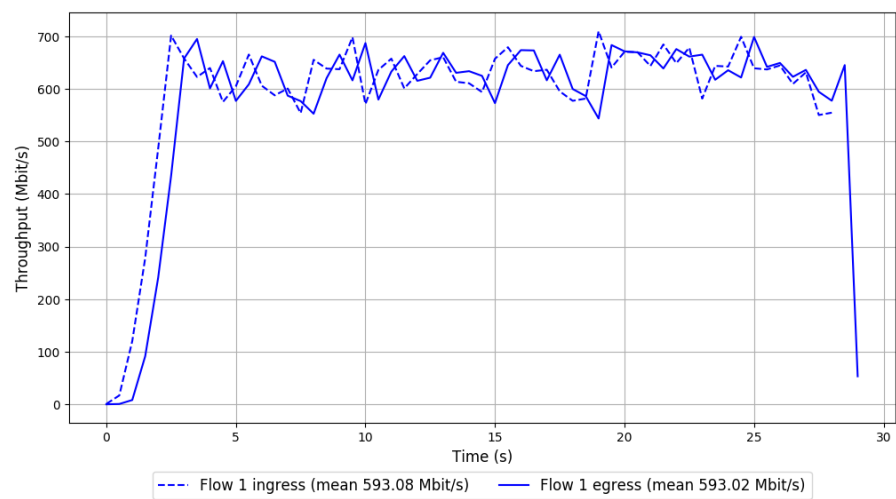
-- Flow 1:

Average throughput: 593.02 Mbit/s

95th percentile per-packet one-way delay: 121.372 ms

Loss rate: 0.01%

Run 5: Report of Indigo-MusesC3 — Data Link



Run 1: Statistics of Indigo-MusesC5

Start at: 2019-02-11 10:41:00

End at: 2019-02-11 10:41:30

Local clock offset: 5.923 ms

Remote clock offset: 9.533 ms

Below is generated by plot.py at 2019-02-11 14:26:51

Datalink statistics

-- Total of 1 flow:

Average throughput: 633.49 Mbit/s

95th percentile per-packet one-way delay: 159.379 ms

Loss rate: 0.09%

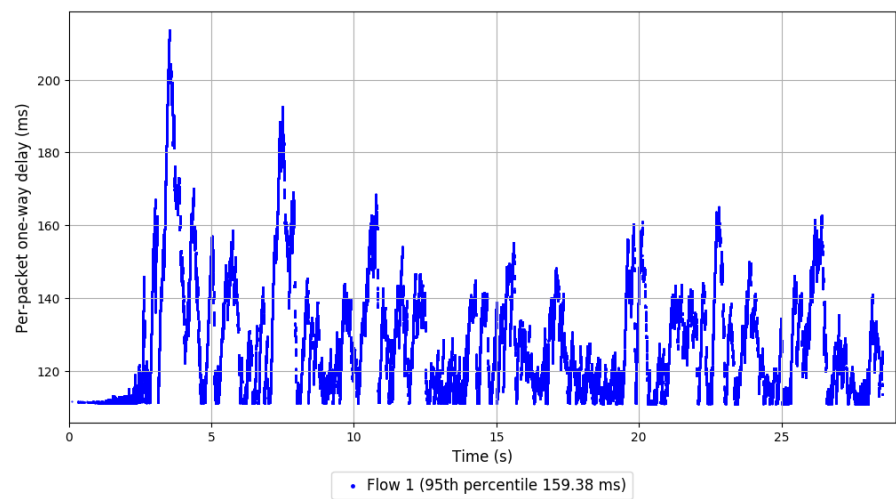
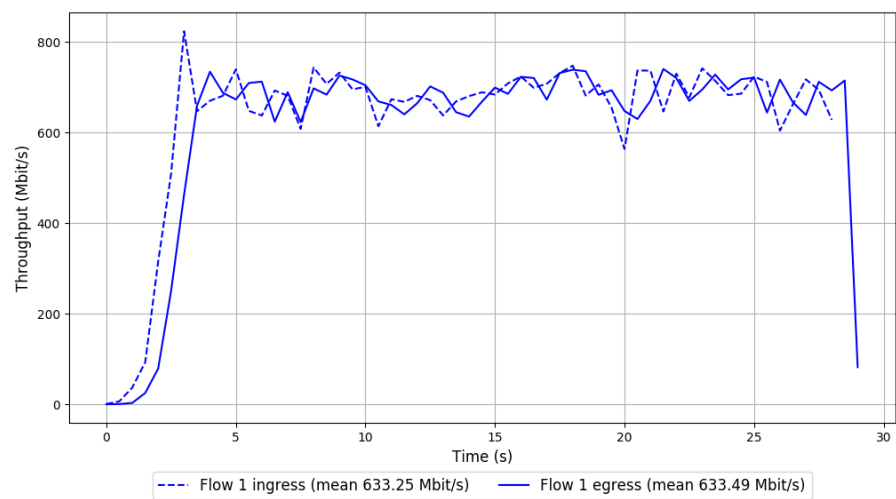
-- Flow 1:

Average throughput: 633.49 Mbit/s

95th percentile per-packet one-way delay: 159.379 ms

Loss rate: 0.09%

Run 1: Report of Indigo-MusesC5 — Data Link

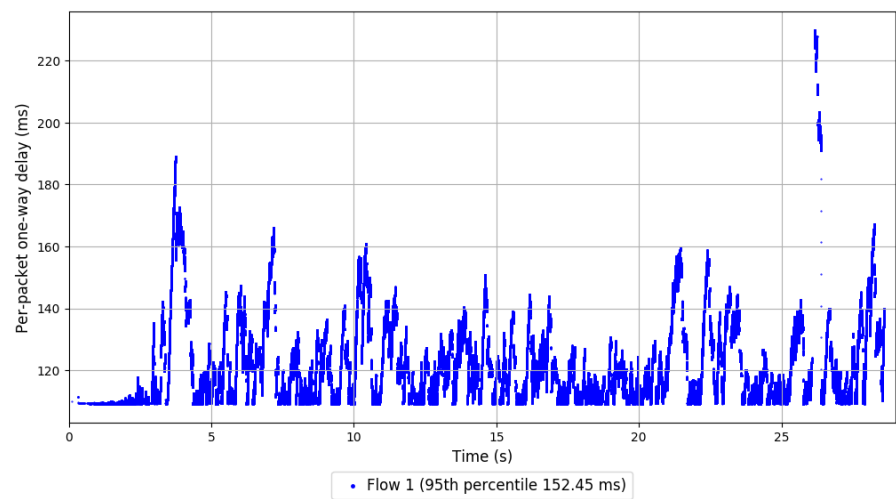
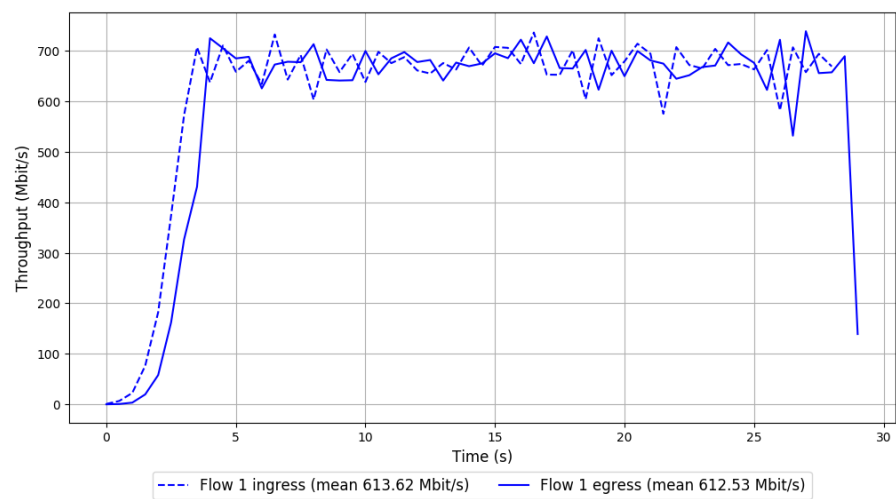


Run 2: Statistics of Indigo-MusesC5

Start at: 2019-02-11 11:13:10
End at: 2019-02-11 11:13:40
Local clock offset: 16.267 ms
Remote clock offset: 21.336 ms

Below is generated by plot.py at 2019-02-11 14:27:05
Datalink statistics
-- Total of 1 flow:
Average throughput: 612.53 Mbit/s
95th percentile per-packet one-way delay: 152.446 ms
Loss rate: 0.18%
-- Flow 1:
Average throughput: 612.53 Mbit/s
95th percentile per-packet one-way delay: 152.446 ms
Loss rate: 0.18%

Run 2: Report of Indigo-MusesC5 — Data Link



Run 3: Statistics of Indigo-MusesC5

Start at: 2019-02-11 11:45:38

End at: 2019-02-11 11:46:08

Local clock offset: 21.469 ms

Remote clock offset: 29.08 ms

Below is generated by plot.py at 2019-02-11 14:29:55

Datalink statistics

-- Total of 1 flow:

Average throughput: 612.01 Mbit/s

95th percentile per-packet one-way delay: 148.204 ms

Loss rate: 0.09%

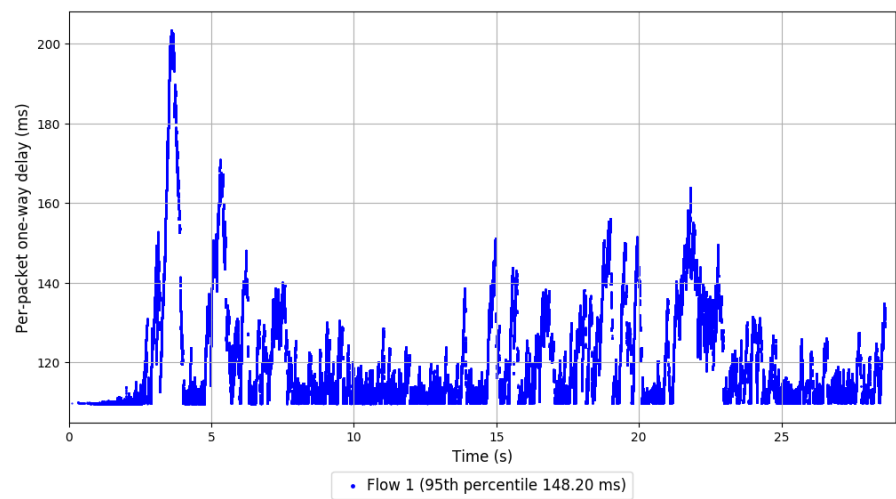
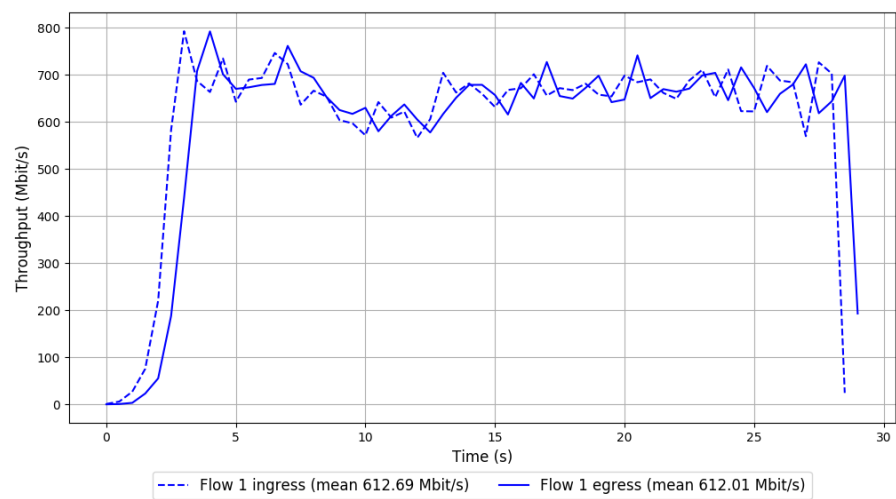
-- Flow 1:

Average throughput: 612.01 Mbit/s

95th percentile per-packet one-way delay: 148.204 ms

Loss rate: 0.09%

Run 3: Report of Indigo-MusesC5 — Data Link

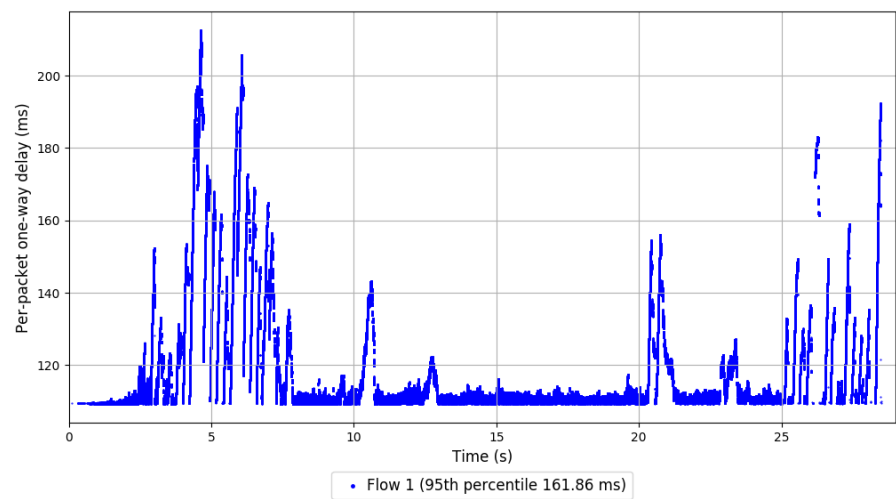
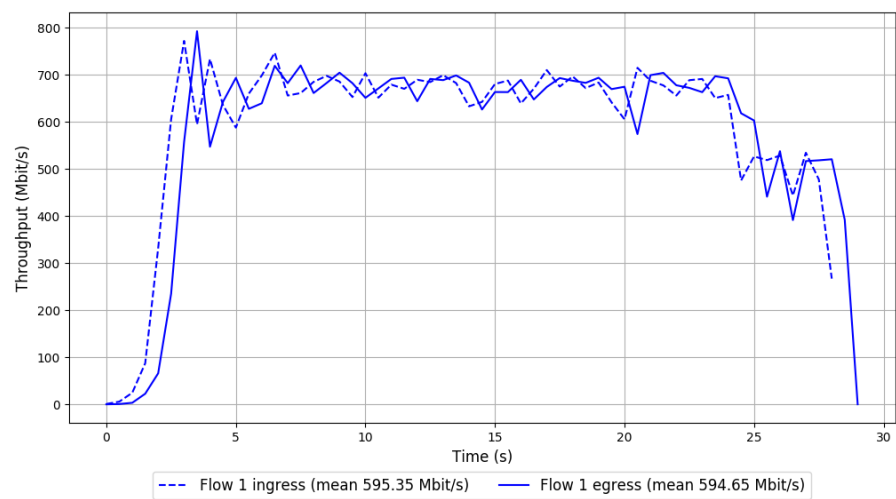


Run 4: Statistics of Indigo-MusesC5

Start at: 2019-02-11 12:17:39
End at: 2019-02-11 12:18:09
Local clock offset: 12.951 ms
Remote clock offset: 17.898 ms

Below is generated by plot.py at 2019-02-11 14:35:11
Datalink statistics
-- Total of 1 flow:
Average throughput: 594.65 Mbit/s
95th percentile per-packet one-way delay: 161.862 ms
Loss rate: 0.12%
-- Flow 1:
Average throughput: 594.65 Mbit/s
95th percentile per-packet one-way delay: 161.862 ms
Loss rate: 0.12%

Run 4: Report of Indigo-MusesC5 — Data Link

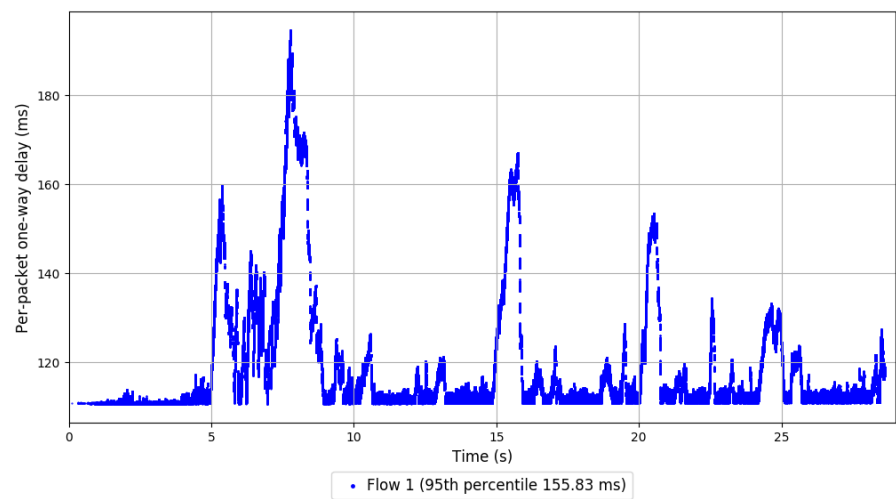
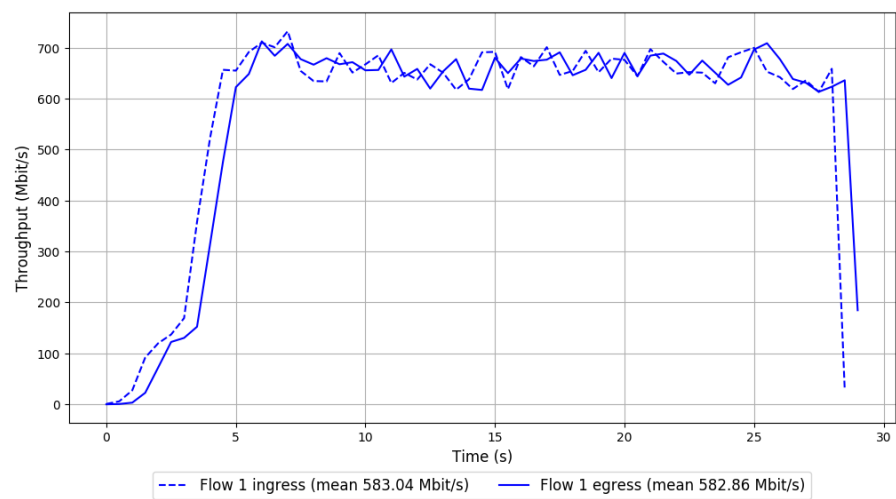


Run 5: Statistics of Indigo-MusesC5

Start at: 2019-02-11 12:50:11
End at: 2019-02-11 12:50:41
Local clock offset: 2.775 ms
Remote clock offset: 10.507 ms

Below is generated by plot.py at 2019-02-11 14:35:38
Datalink statistics
-- Total of 1 flow:
Average throughput: 582.86 Mbit/s
95th percentile per-packet one-way delay: 155.834 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 582.86 Mbit/s
95th percentile per-packet one-way delay: 155.834 ms
Loss rate: 0.03%

Run 5: Report of Indigo-MusesC5 — Data Link



Run 1: Statistics of Indigo-MusesD

Start at: 2019-02-11 10:50:14

End at: 2019-02-11 10:50:44

Local clock offset: 13.066 ms

Remote clock offset: 17.086 ms

Below is generated by plot.py at 2019-02-11 14:35:38

Datalink statistics

-- Total of 1 flow:

Average throughput: 551.97 Mbit/s

95th percentile per-packet one-way delay: 134.482 ms

Loss rate: 0.12%

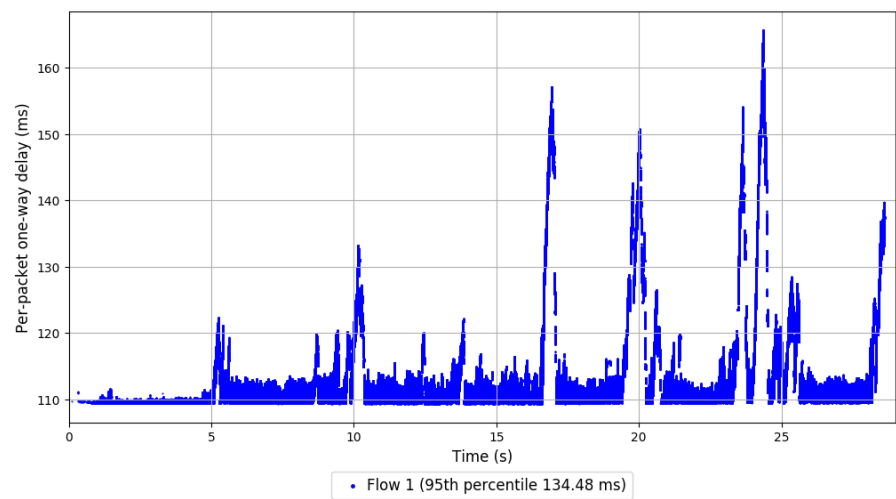
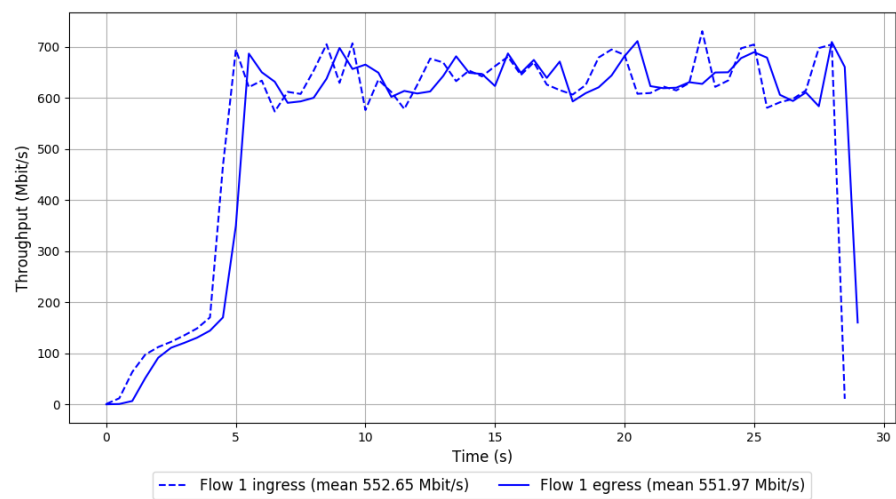
-- Flow 1:

Average throughput: 551.97 Mbit/s

95th percentile per-packet one-way delay: 134.482 ms

Loss rate: 0.12%

Run 1: Report of Indigo-MusesD — Data Link

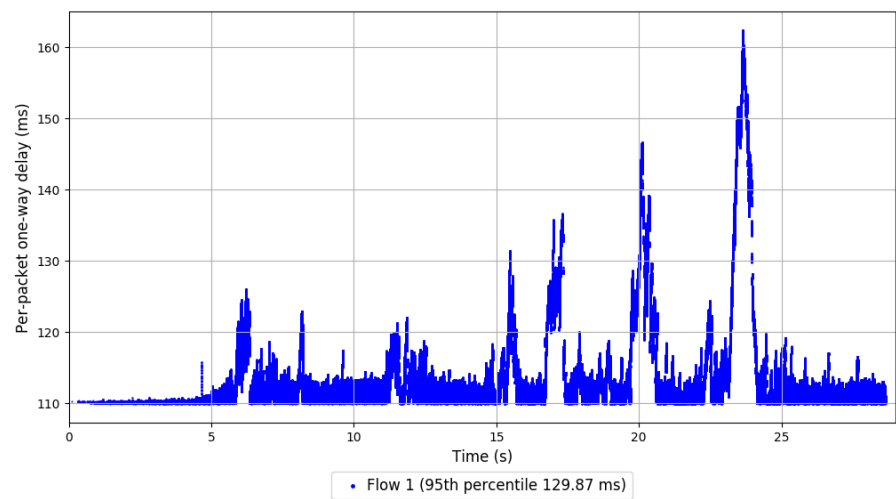
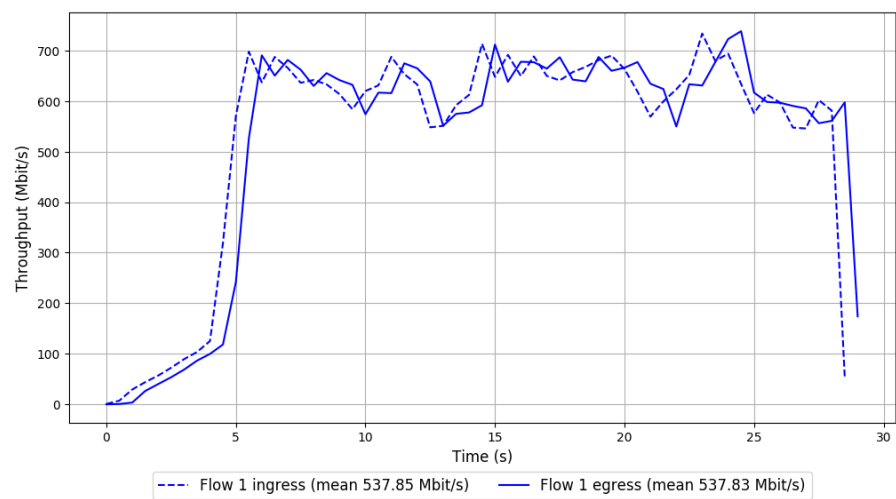


Run 2: Statistics of Indigo-MusesD

Start at: 2019-02-11 11:22:35
End at: 2019-02-11 11:23:05
Local clock offset: 16.317 ms
Remote clock offset: 22.912 ms

Below is generated by plot.py at 2019-02-11 14:35:38
Datalink statistics
-- Total of 1 flow:
Average throughput: 537.83 Mbit/s
95th percentile per-packet one-way delay: 129.869 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 537.83 Mbit/s
95th percentile per-packet one-way delay: 129.869 ms
Loss rate: 0.00%

Run 2: Report of Indigo-MusesD — Data Link



Run 3: Statistics of Indigo-MusesD

Start at: 2019-02-11 11:54:55

End at: 2019-02-11 11:55:25

Local clock offset: 11.86 ms

Remote clock offset: 16.756 ms

Below is generated by plot.py at 2019-02-11 14:35:38

Datalink statistics

-- Total of 1 flow:

Average throughput: 486.90 Mbit/s

95th percentile per-packet one-way delay: 130.880 ms

Loss rate: 0.01%

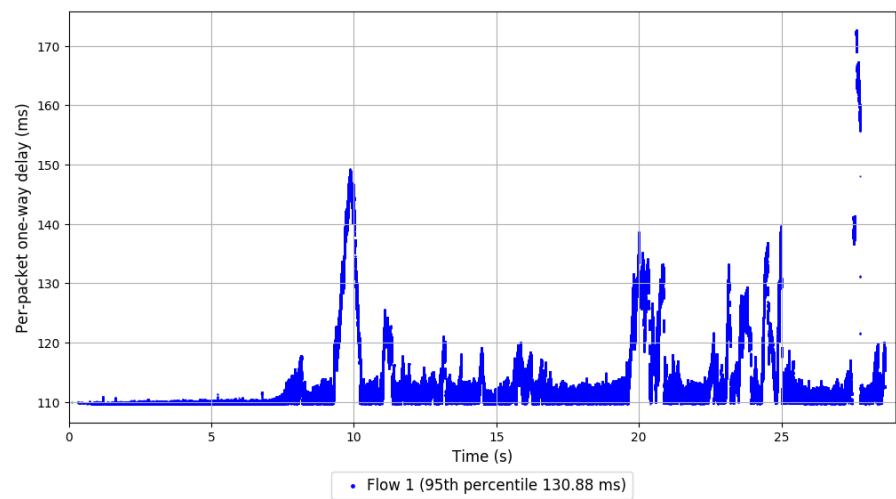
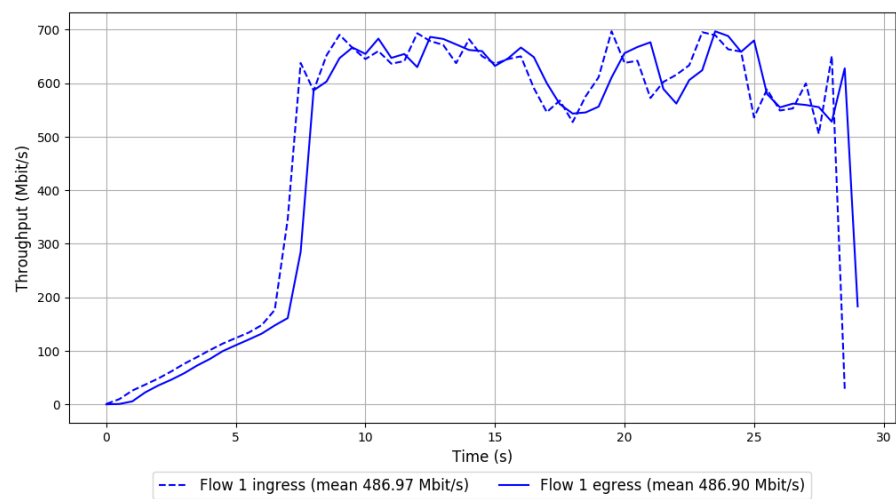
-- Flow 1:

Average throughput: 486.90 Mbit/s

95th percentile per-packet one-way delay: 130.880 ms

Loss rate: 0.01%

Run 3: Report of Indigo-MusesD — Data Link



Run 4: Statistics of Indigo-MusesD

Start at: 2019-02-11 12:26:58

End at: 2019-02-11 12:27:28

Local clock offset: 5.535 ms

Remote clock offset: 8.977 ms

Below is generated by plot.py at 2019-02-11 14:36:32

Datalink statistics

-- Total of 1 flow:

Average throughput: 510.79 Mbit/s

95th percentile per-packet one-way delay: 119.745 ms

Loss rate: 0.01%

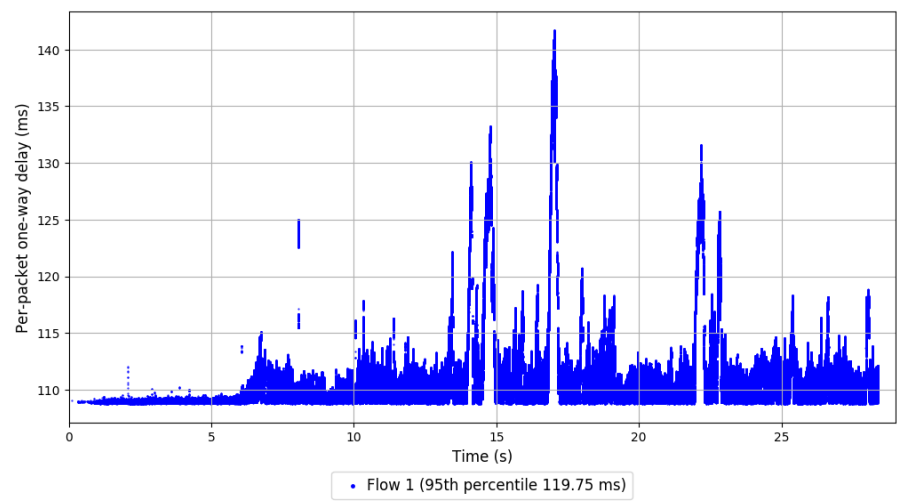
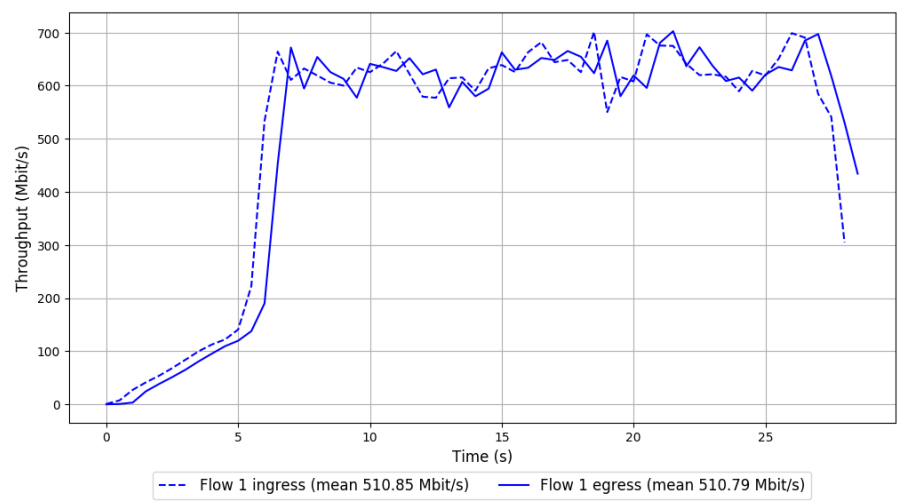
-- Flow 1:

Average throughput: 510.79 Mbit/s

95th percentile per-packet one-way delay: 119.745 ms

Loss rate: 0.01%

Run 4: Report of Indigo-MusesD — Data Link



Run 5: Statistics of Indigo-MusesD

Start at: 2019-02-11 12:59:33

End at: 2019-02-11 13:00:03

Local clock offset: 2.092 ms

Remote clock offset: 3.946 ms

Below is generated by plot.py at 2019-02-11 14:36:37

Datalink statistics

-- Total of 1 flow:

Average throughput: 498.10 Mbit/s

95th percentile per-packet one-way delay: 113.500 ms

Loss rate: 0.00%

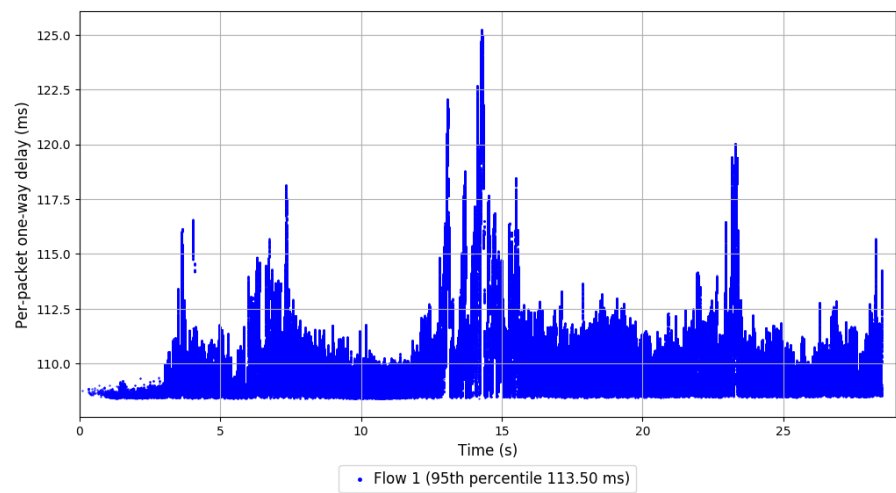
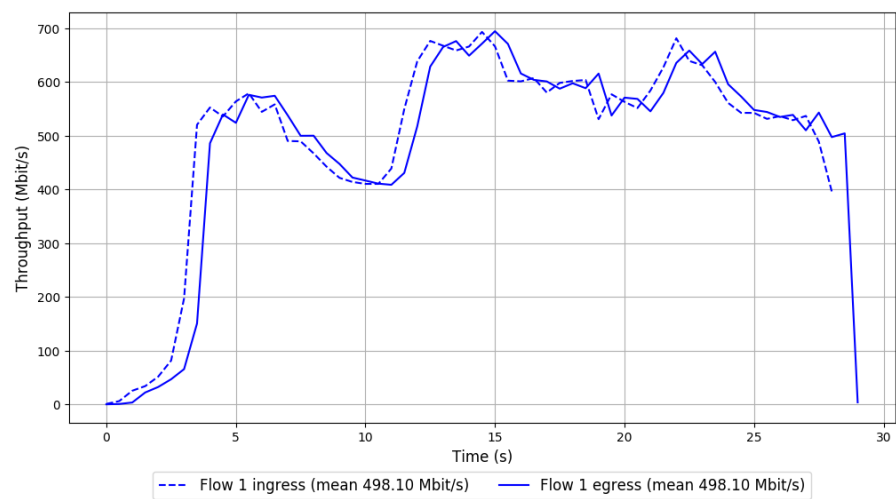
-- Flow 1:

Average throughput: 498.10 Mbit/s

95th percentile per-packet one-way delay: 113.500 ms

Loss rate: 0.00%

Run 5: Report of Indigo-MusesD — Data Link



Run 1: Statistics of Indigo-MusesT

Start at: 2019-02-11 10:39:19

End at: 2019-02-11 10:39:49

Local clock offset: 4.161 ms

Remote clock offset: 6.428 ms

Below is generated by plot.py at 2019-02-11 14:40:41

Datalink statistics

-- Total of 1 flow:

Average throughput: 613.14 Mbit/s

95th percentile per-packet one-way delay: 144.754 ms

Loss rate: 0.19%

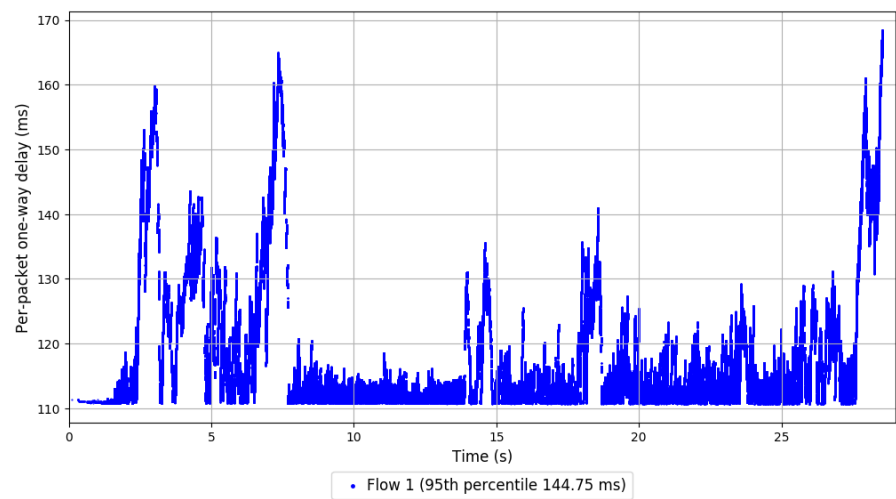
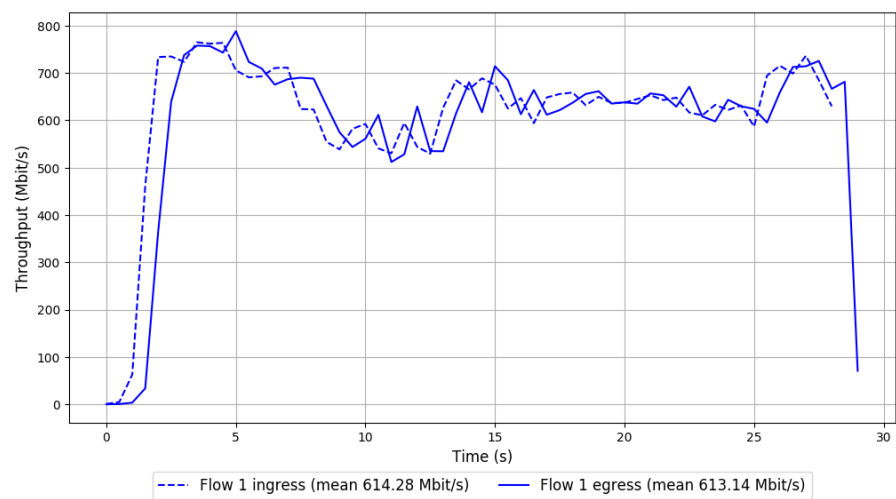
-- Flow 1:

Average throughput: 613.14 Mbit/s

95th percentile per-packet one-way delay: 144.754 ms

Loss rate: 0.19%

Run 1: Report of Indigo-MusesT — Data Link

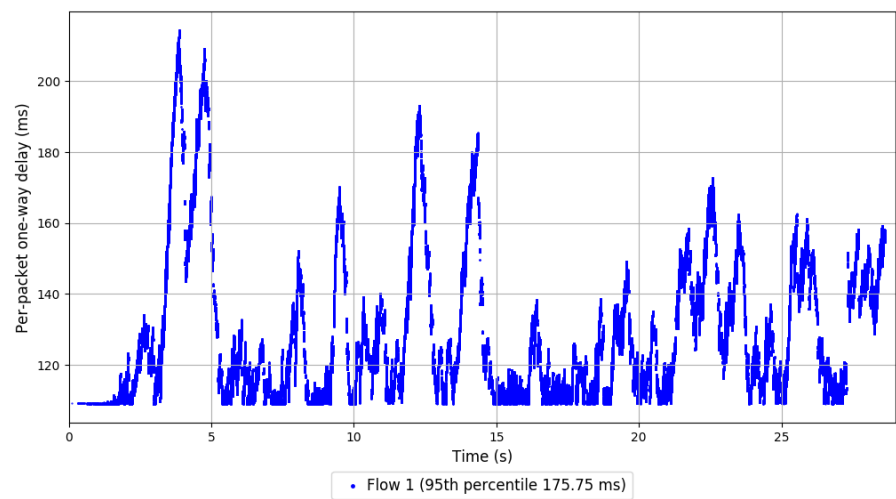
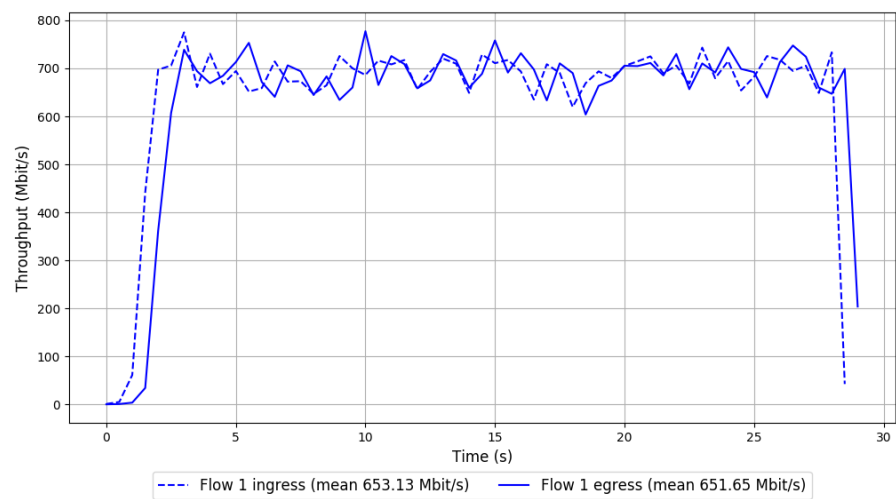


Run 2: Statistics of Indigo-MusesT

Start at: 2019-02-11 11:11:27
End at: 2019-02-11 11:11:57
Local clock offset: 16.454 ms
Remote clock offset: 22.604 ms

Below is generated by plot.py at 2019-02-11 14:45:53
Datalink statistics
-- Total of 1 flow:
Average throughput: 651.65 Mbit/s
95th percentile per-packet one-way delay: 175.748 ms
Loss rate: 0.22%
-- Flow 1:
Average throughput: 651.65 Mbit/s
95th percentile per-packet one-way delay: 175.748 ms
Loss rate: 0.22%

Run 2: Report of Indigo-MusesT — Data Link

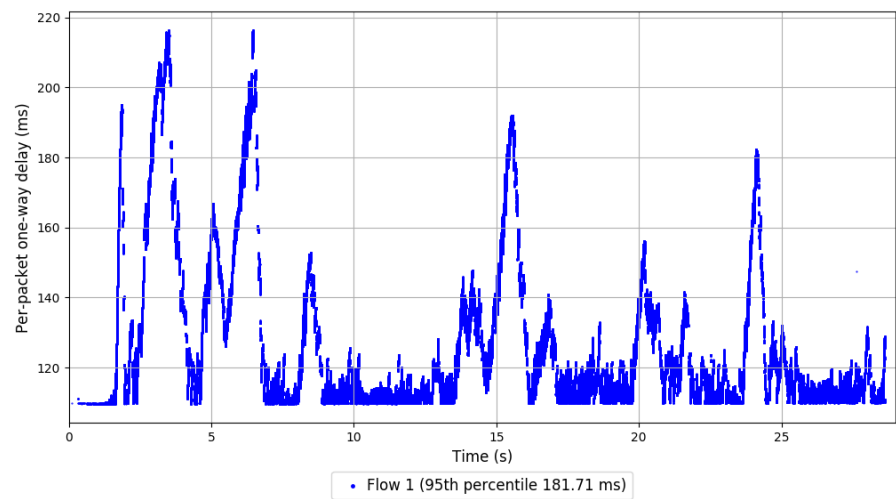
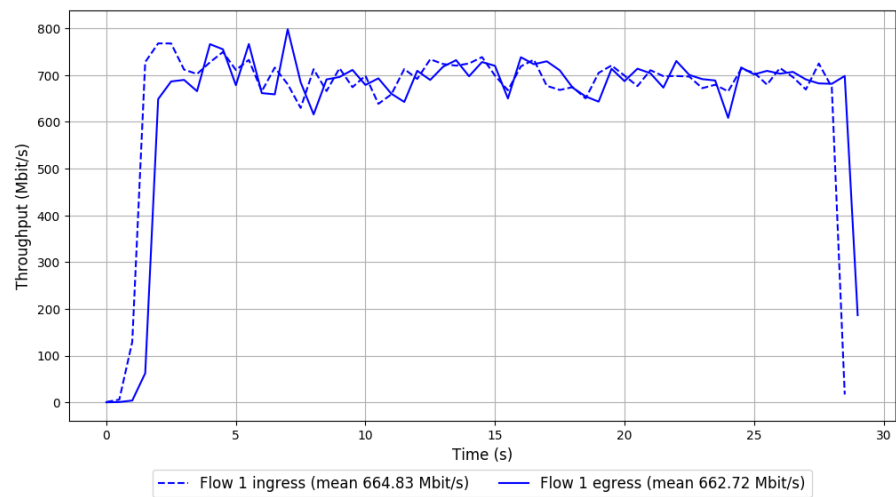


Run 3: Statistics of Indigo-MusesT

Start at: 2019-02-11 11:43:54
End at: 2019-02-11 11:44:24
Local clock offset: 25.417 ms
Remote clock offset: 34.603 ms

Below is generated by plot.py at 2019-02-11 14:46:54
Datalink statistics
-- Total of 1 flow:
Average throughput: 662.72 Mbit/s
95th percentile per-packet one-way delay: 181.705 ms
Loss rate: 0.32%
-- Flow 1:
Average throughput: 662.72 Mbit/s
95th percentile per-packet one-way delay: 181.705 ms
Loss rate: 0.32%

Run 3: Report of Indigo-MusesT — Data Link

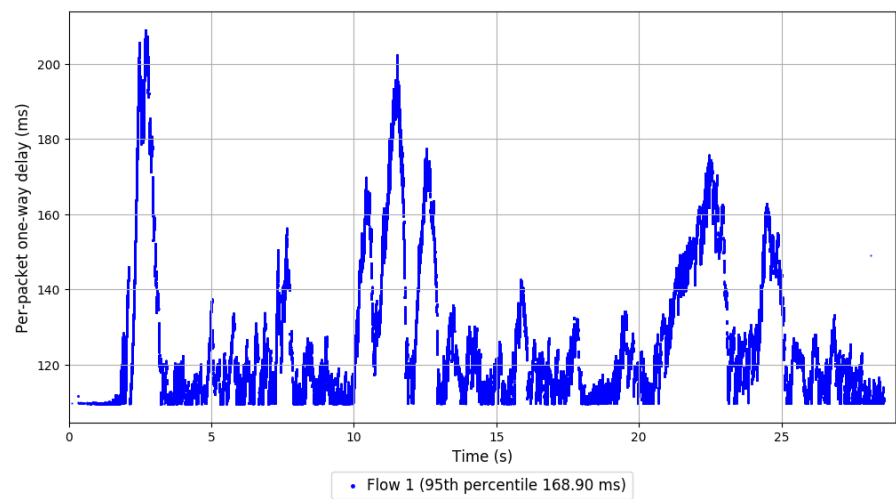
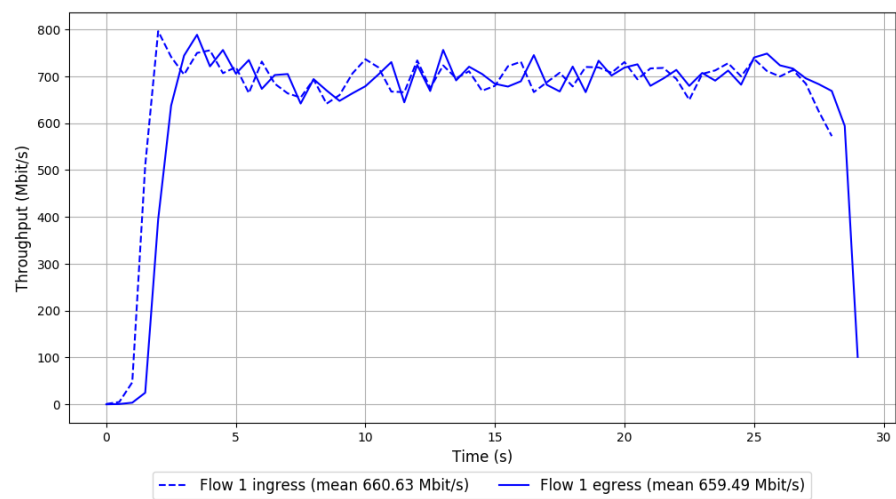


Run 4: Statistics of Indigo-MusesT

Start at: 2019-02-11 12:15:55
End at: 2019-02-11 12:16:25
Local clock offset: 15.484 ms
Remote clock offset: 21.097 ms

Below is generated by plot.py at 2019-02-11 14:46:58
Datalink statistics
-- Total of 1 flow:
Average throughput: 659.49 Mbit/s
95th percentile per-packet one-way delay: 168.904 ms
Loss rate: 0.17%
-- Flow 1:
Average throughput: 659.49 Mbit/s
95th percentile per-packet one-way delay: 168.904 ms
Loss rate: 0.17%

Run 4: Report of Indigo-MusesT — Data Link



Run 5: Statistics of Indigo-MusesT

Start at: 2019-02-11 12:48:27

End at: 2019-02-11 12:48:57

Local clock offset: 3.479 ms

Remote clock offset: 9.804 ms

Below is generated by plot.py at 2019-02-11 14:46:58

Datalink statistics

-- Total of 1 flow:

Average throughput: 662.68 Mbit/s

95th percentile per-packet one-way delay: 137.013 ms

Loss rate: 0.18%

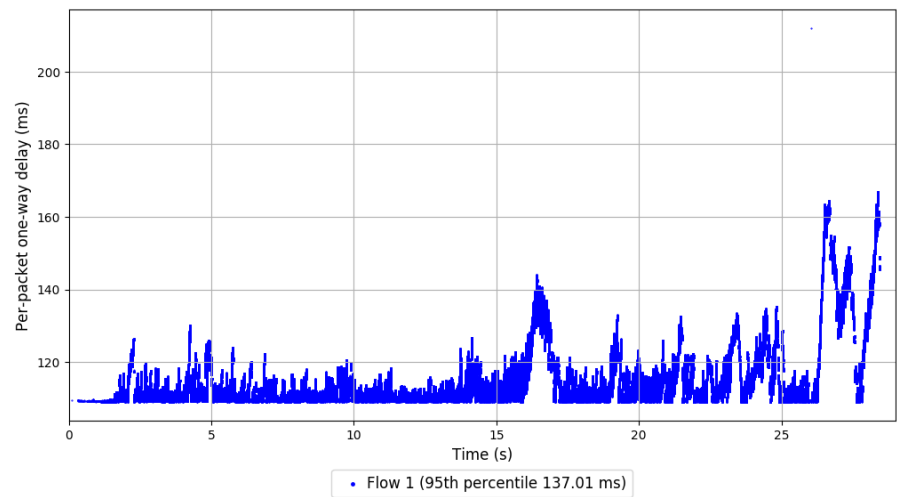
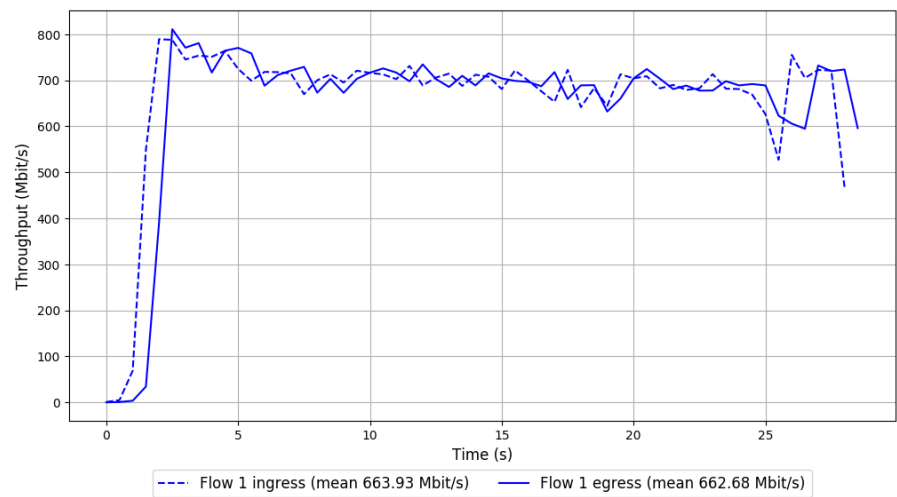
-- Flow 1:

Average throughput: 662.68 Mbit/s

95th percentile per-packet one-way delay: 137.013 ms

Loss rate: 0.18%

Run 5: Report of Indigo-MusesT — Data Link

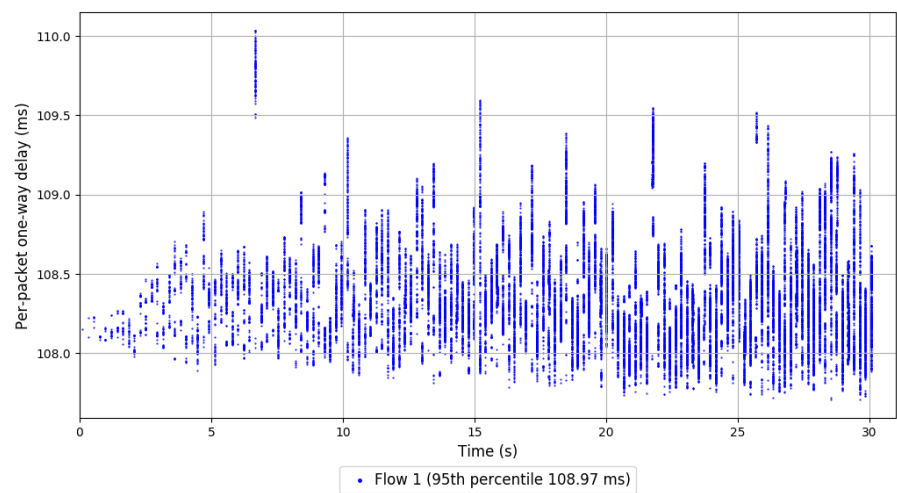
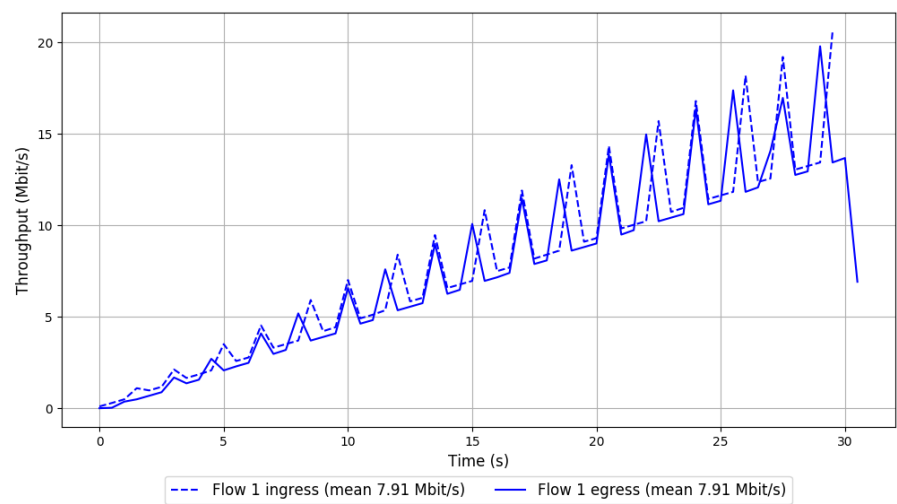


Run 1: Statistics of LEDBAT

Start at: 2019-02-11 11:06:13
End at: 2019-02-11 11:06:43
Local clock offset: 19.021 ms
Remote clock offset: 25.047 ms

Below is generated by plot.py at 2019-02-11 14:46:58
Datalink statistics
-- Total of 1 flow:
Average throughput: 7.91 Mbit/s
95th percentile per-packet one-way delay: 108.969 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 7.91 Mbit/s
95th percentile per-packet one-way delay: 108.969 ms
Loss rate: 0.00%

Run 1: Report of LEDBAT — Data Link

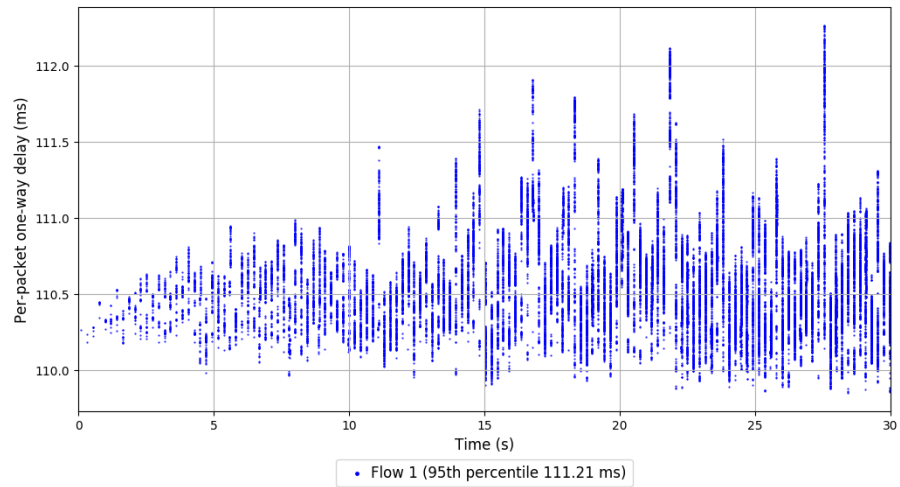
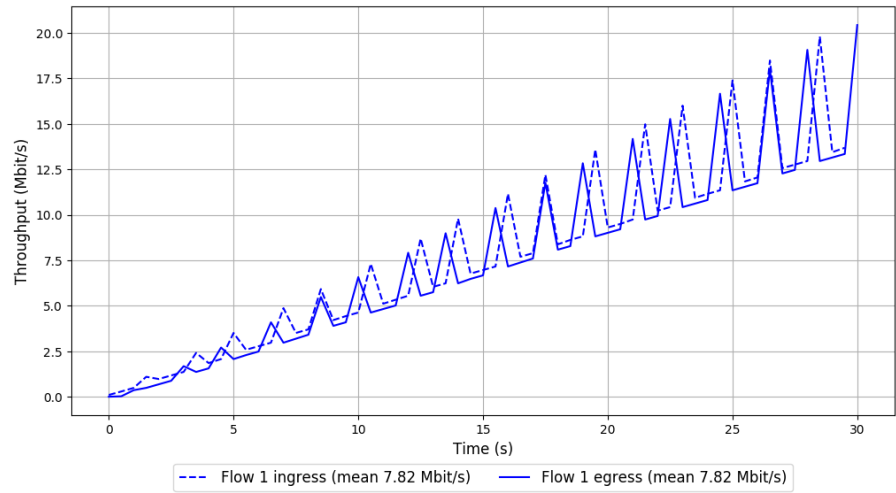


Run 2: Statistics of LEDBAT

Start at: 2019-02-11 11:38:41
End at: 2019-02-11 11:39:11
Local clock offset: 27.636 ms
Remote clock offset: 38.417 ms

Below is generated by plot.py at 2019-02-11 14:46:58
Datalink statistics
-- Total of 1 flow:
Average throughput: 7.82 Mbit/s
95th percentile per-packet one-way delay: 111.213 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 7.82 Mbit/s
95th percentile per-packet one-way delay: 111.213 ms
Loss rate: 0.00%

Run 2: Report of LEDBAT — Data Link

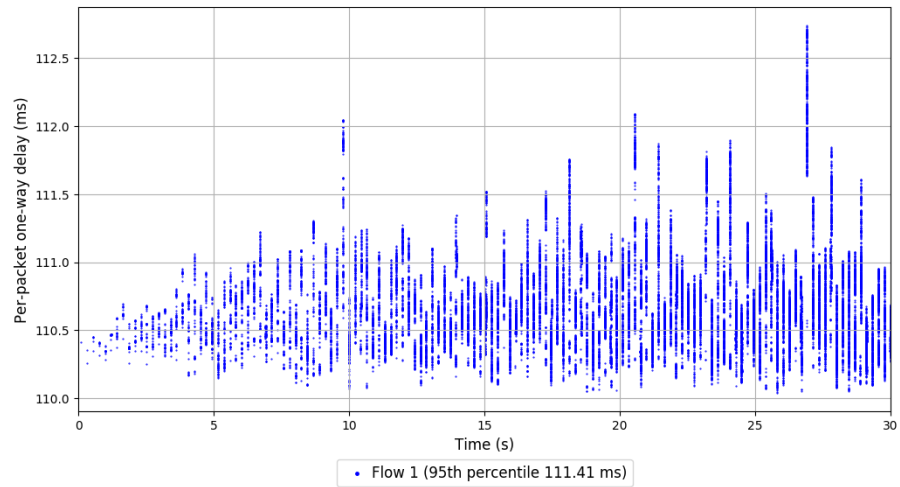
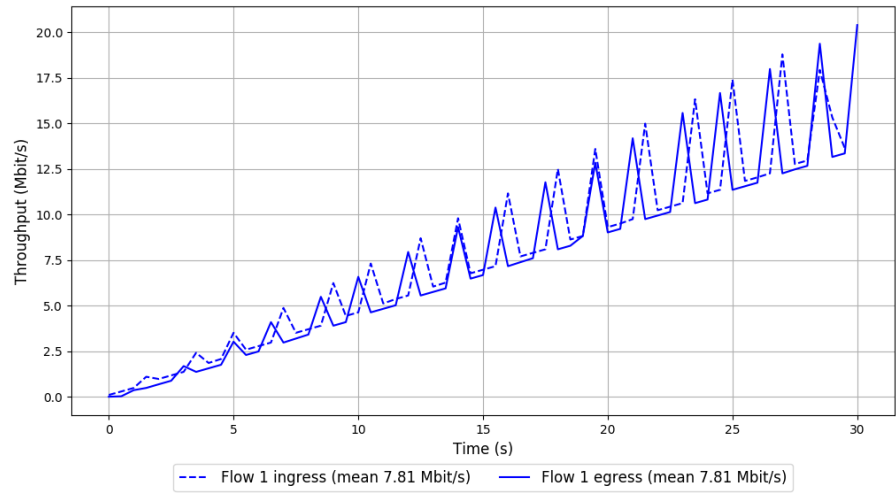


Run 3: Statistics of LEDBAT

Start at: 2019-02-11 12:10:43
End at: 2019-02-11 12:11:14
Local clock offset: 13.12 ms
Remote clock offset: 18.526 ms

Below is generated by plot.py at 2019-02-11 14:46:58
Datalink statistics
-- Total of 1 flow:
Average throughput: 7.81 Mbit/s
95th percentile per-packet one-way delay: 111.411 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 7.81 Mbit/s
95th percentile per-packet one-way delay: 111.411 ms
Loss rate: 0.00%

Run 3: Report of LEDBAT — Data Link



Run 4: Statistics of LEDBAT

Start at: 2019-02-11 12:43:15

End at: 2019-02-11 12:43:45

Local clock offset: 3.872 ms

Remote clock offset: 9.024 ms

Below is generated by plot.py at 2019-02-11 14:46:58

Datalink statistics

-- Total of 1 flow:

Average throughput: 7.91 Mbit/s

95th percentile per-packet one-way delay: 109.995 ms

Loss rate: 0.00%

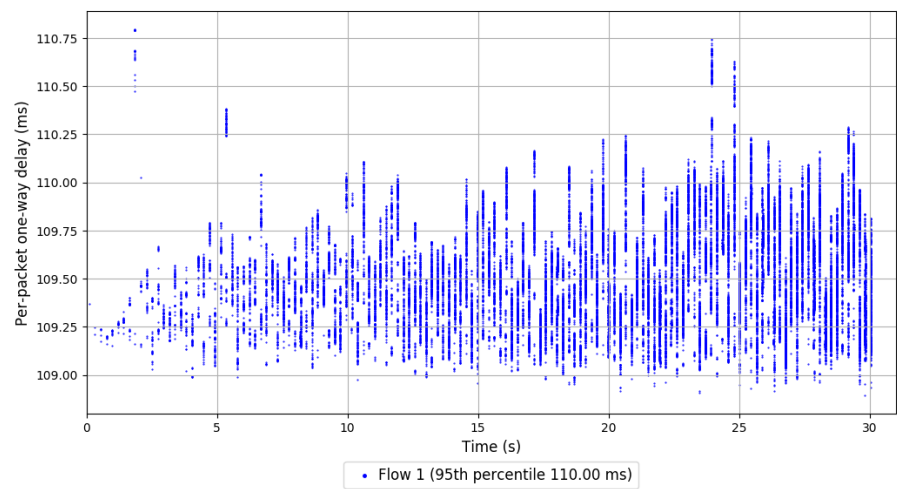
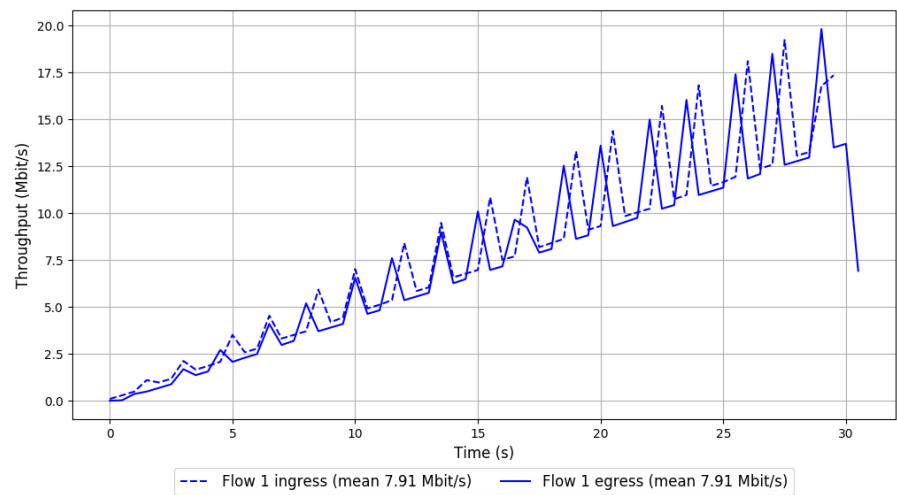
-- Flow 1:

Average throughput: 7.91 Mbit/s

95th percentile per-packet one-way delay: 109.995 ms

Loss rate: 0.00%

Run 4: Report of LEDBAT — Data Link



Run 5: Statistics of LEDBAT

Start at: 2019-02-11 13:15:41

End at: 2019-02-11 13:16:11

Local clock offset: 0.395 ms

Remote clock offset: 2.042 ms

Below is generated by plot.py at 2019-02-11 14:46:58

Datalink statistics

-- Total of 1 flow:

Average throughput: 7.81 Mbit/s

95th percentile per-packet one-way delay: 111.288 ms

Loss rate: 0.00%

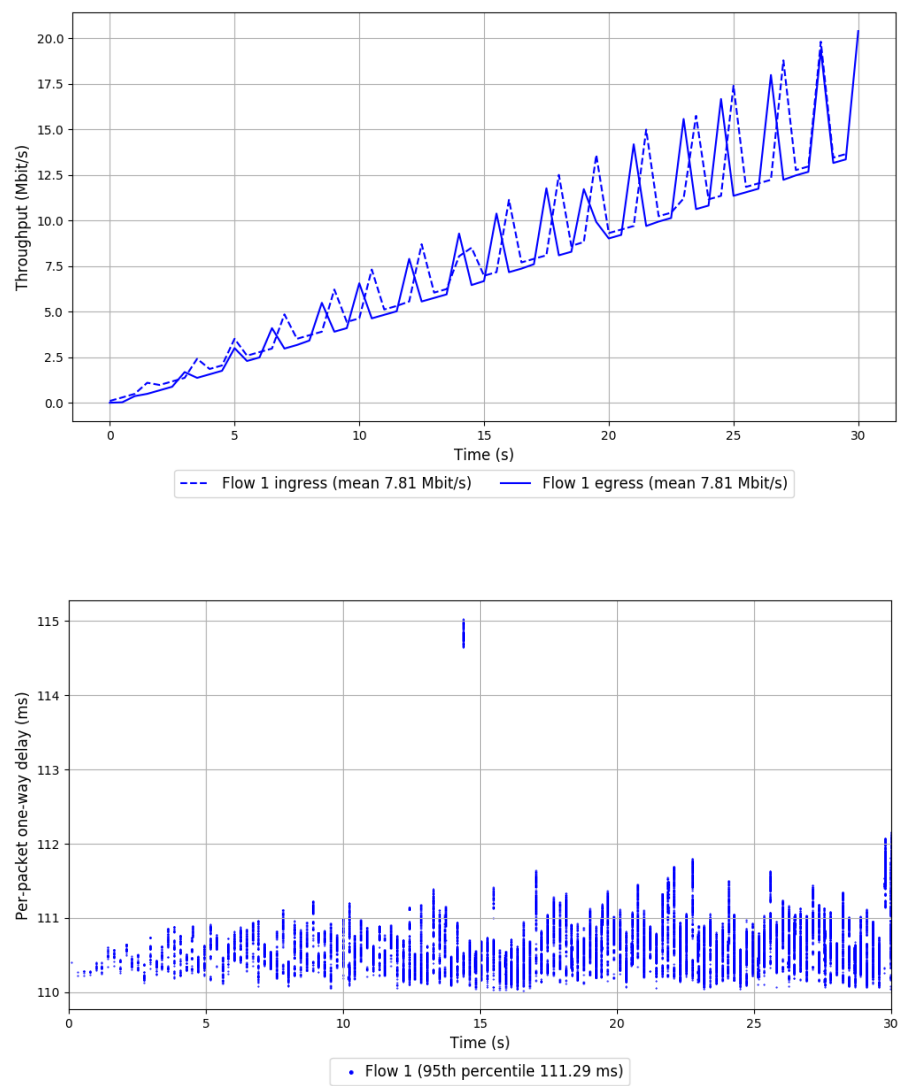
-- Flow 1:

Average throughput: 7.81 Mbit/s

95th percentile per-packet one-way delay: 111.288 ms

Loss rate: 0.00%

Run 5: Report of LEDBAT — Data Link



Run 1: Statistics of PCC-Allegro

Start at: 2019-02-11 10:51:53

End at: 2019-02-11 10:52:23

Local clock offset: 11.65 ms

Remote clock offset: 15.438 ms

Below is generated by plot.py at 2019-02-11 14:48:30

Datalink statistics

-- Total of 1 flow:

Average throughput: 352.25 Mbit/s

95th percentile per-packet one-way delay: 210.183 ms

Loss rate: 1.69%

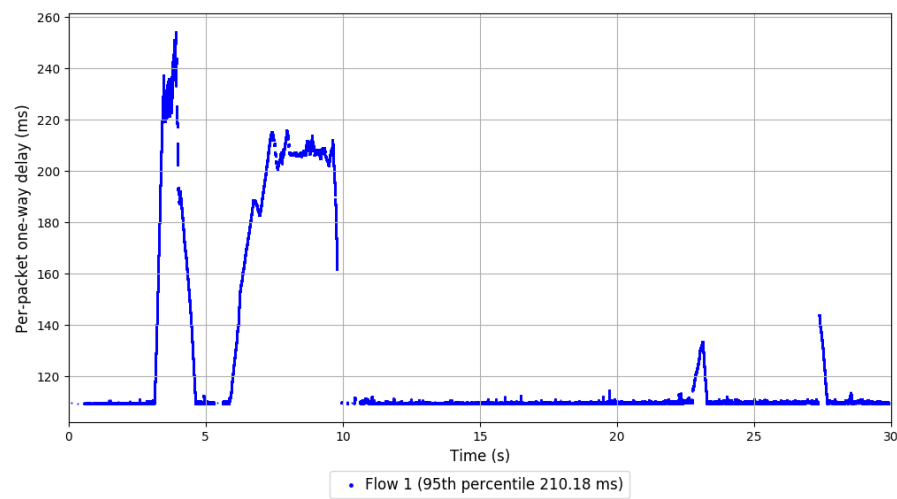
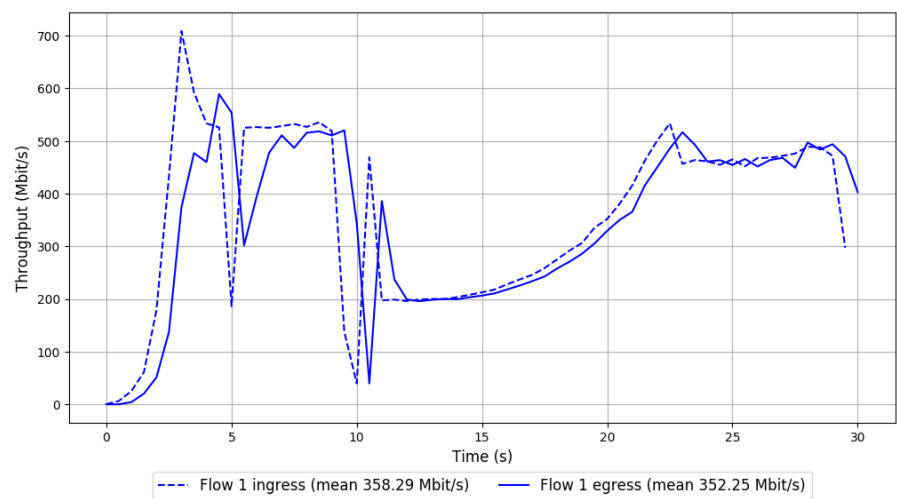
-- Flow 1:

Average throughput: 352.25 Mbit/s

95th percentile per-packet one-way delay: 210.183 ms

Loss rate: 1.69%

Run 1: Report of PCC-Allegro — Data Link



Run 2: Statistics of PCC-Allegro

Start at: 2019-02-11 11:24:12

End at: 2019-02-11 11:24:42

Local clock offset: 18.373 ms

Remote clock offset: 23.958 ms

Below is generated by plot.py at 2019-02-11 14:50:00

Datalink statistics

-- Total of 1 flow:

Average throughput: 381.58 Mbit/s

95th percentile per-packet one-way delay: 216.305 ms

Loss rate: 1.17%

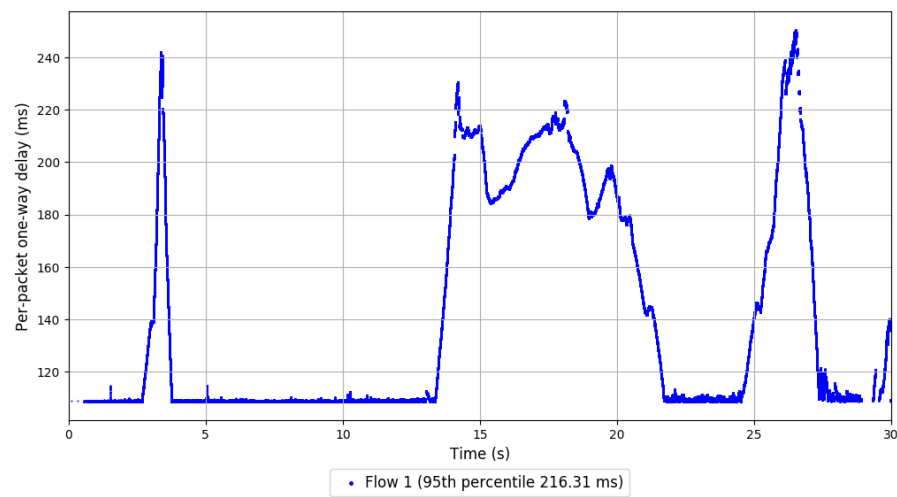
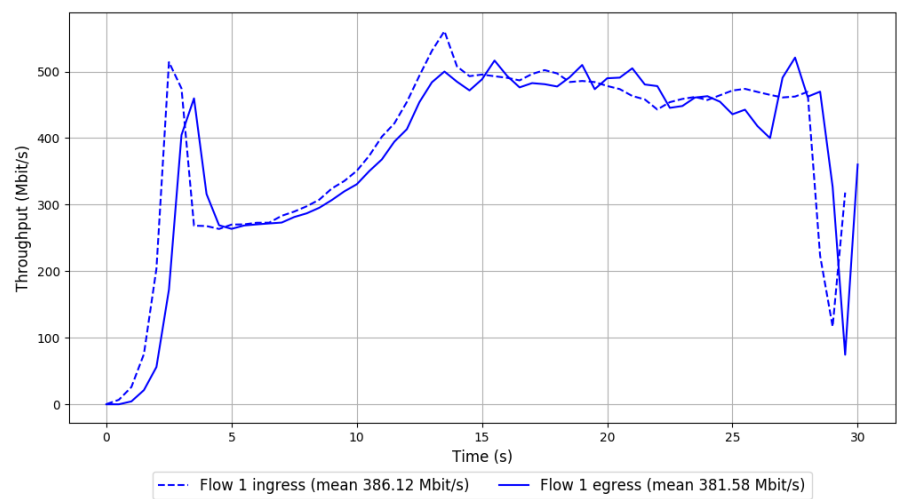
-- Flow 1:

Average throughput: 381.58 Mbit/s

95th percentile per-packet one-way delay: 216.305 ms

Loss rate: 1.17%

Run 2: Report of PCC-Allegro — Data Link



Run 3: Statistics of PCC-Allegro

Start at: 2019-02-11 11:56:30

End at: 2019-02-11 11:57:00

Local clock offset: 12.273 ms

Remote clock offset: 16.19 ms

Below is generated by plot.py at 2019-02-11 14:52:06

Datalink statistics

-- Total of 1 flow:

Average throughput: 475.22 Mbit/s

95th percentile per-packet one-way delay: 207.378 ms

Loss rate: 1.20%

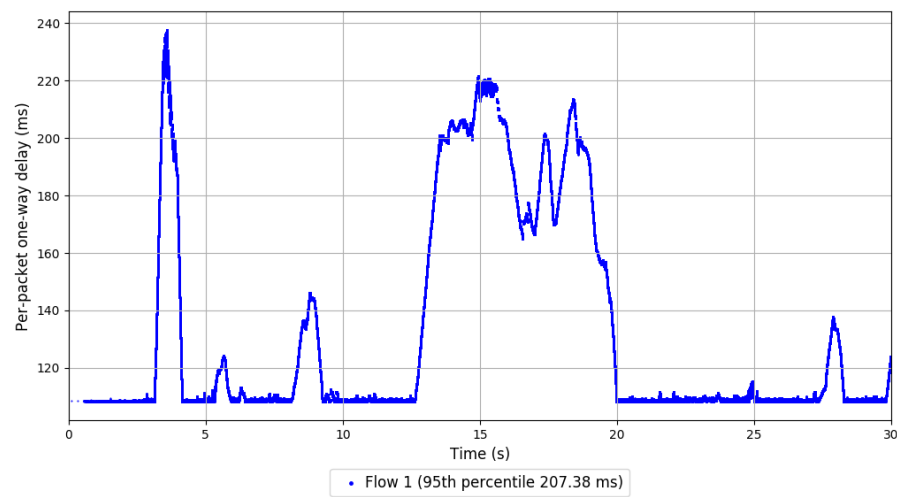
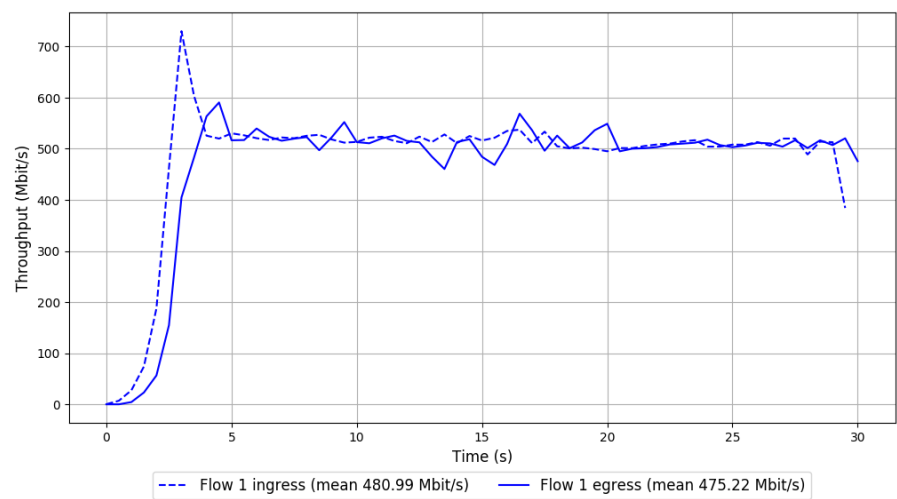
-- Flow 1:

Average throughput: 475.22 Mbit/s

95th percentile per-packet one-way delay: 207.378 ms

Loss rate: 1.20%

Run 3: Report of PCC-Allegro — Data Link



Run 4: Statistics of PCC-Allegro

Start at: 2019-02-11 12:28:34

End at: 2019-02-11 12:29:04

Local clock offset: 4.206 ms

Remote clock offset: 8.444 ms

Below is generated by plot.py at 2019-02-11 14:59:06

Datalink statistics

-- Total of 1 flow:

Average throughput: 452.20 Mbit/s

95th percentile per-packet one-way delay: 222.262 ms

Loss rate: 3.16%

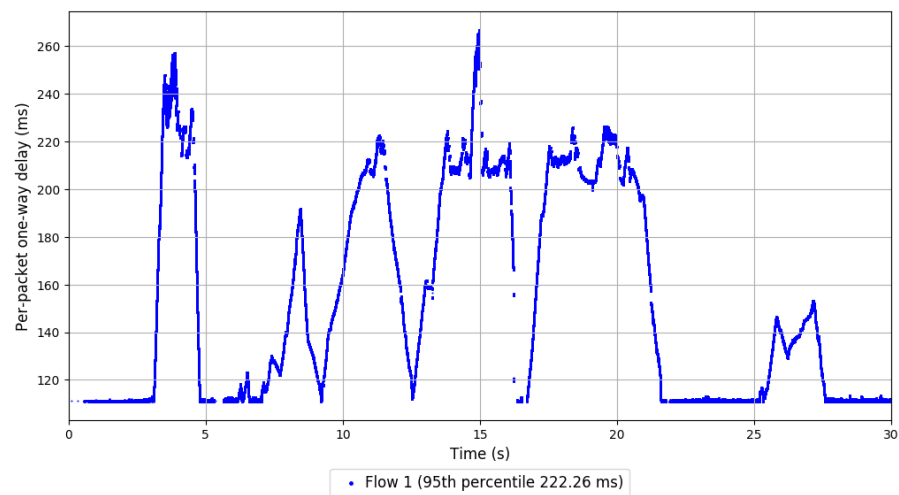
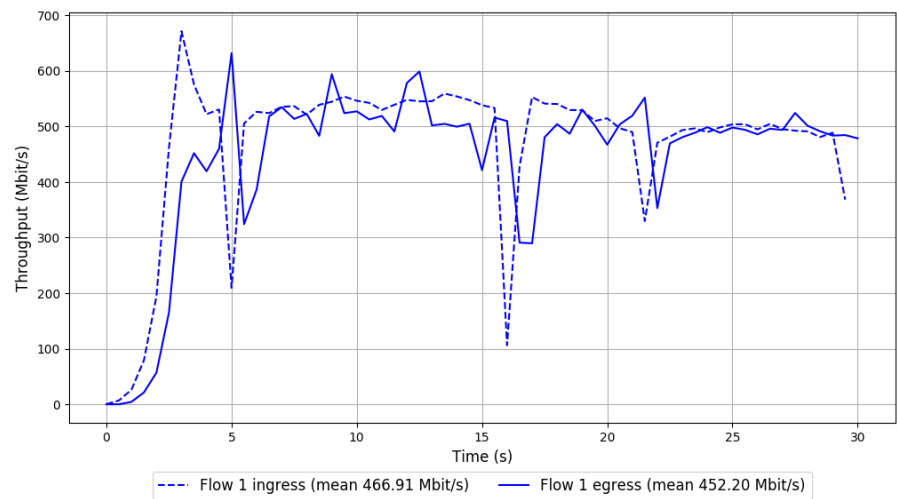
-- Flow 1:

Average throughput: 452.20 Mbit/s

95th percentile per-packet one-way delay: 222.262 ms

Loss rate: 3.16%

Run 4: Report of PCC-Allegro — Data Link



Run 5: Statistics of PCC-Allegro

Start at: 2019-02-11 13:01:13

End at: 2019-02-11 13:01:43

Local clock offset: 0.769 ms

Remote clock offset: 3.447 ms

Below is generated by plot.py at 2019-02-11 15:02:28

Datalink statistics

-- Total of 1 flow:

Average throughput: 459.80 Mbit/s

95th percentile per-packet one-way delay: 215.562 ms

Loss rate: 0.44%

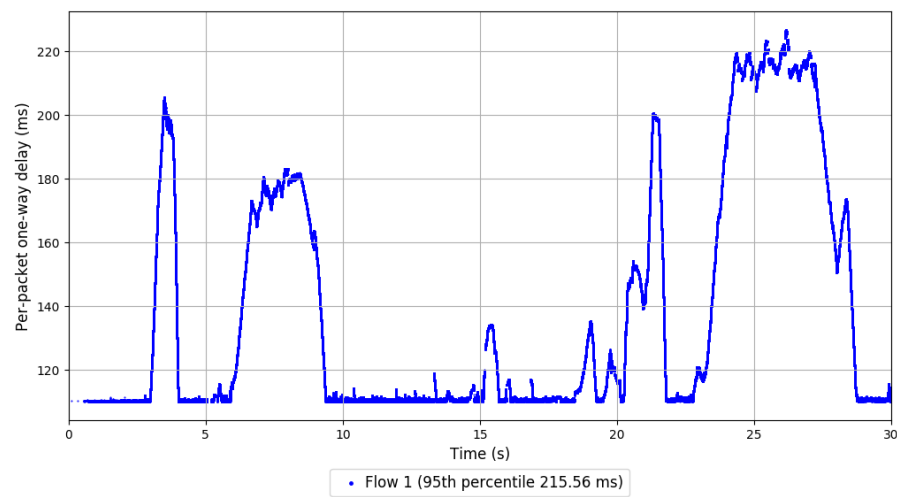
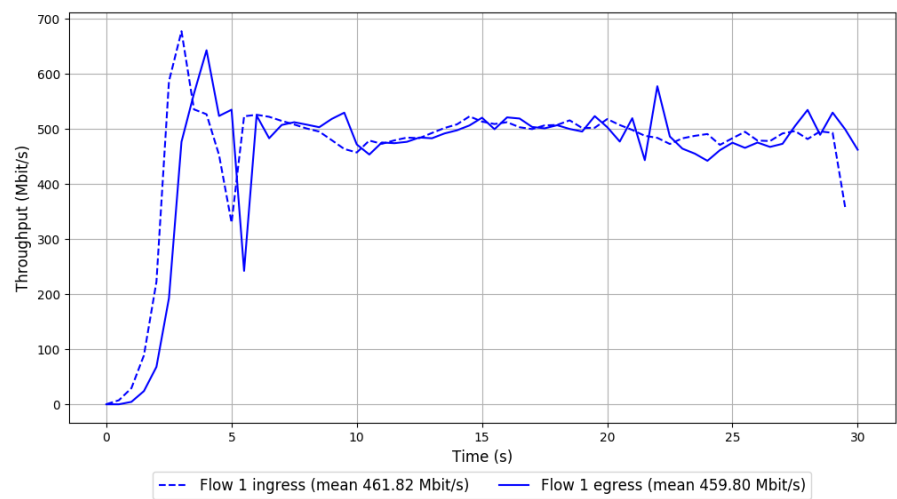
-- Flow 1:

Average throughput: 459.80 Mbit/s

95th percentile per-packet one-way delay: 215.562 ms

Loss rate: 0.44%

Run 5: Report of PCC-Allegro — Data Link

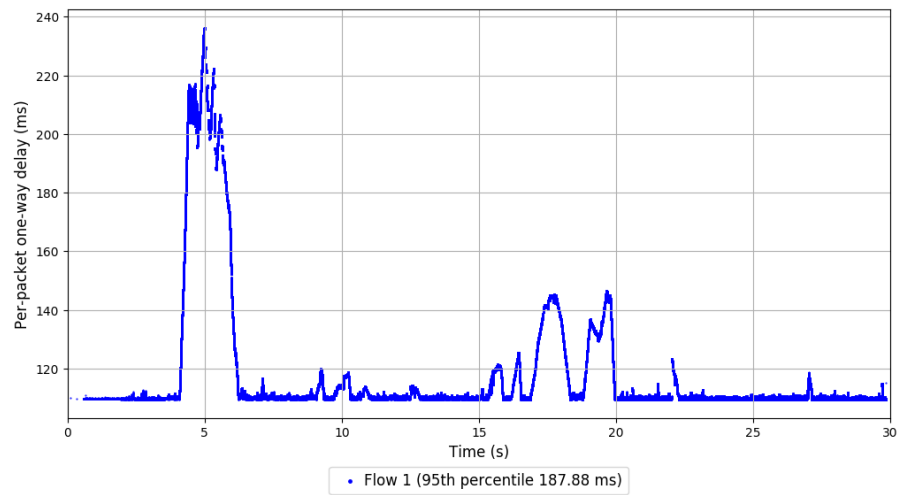
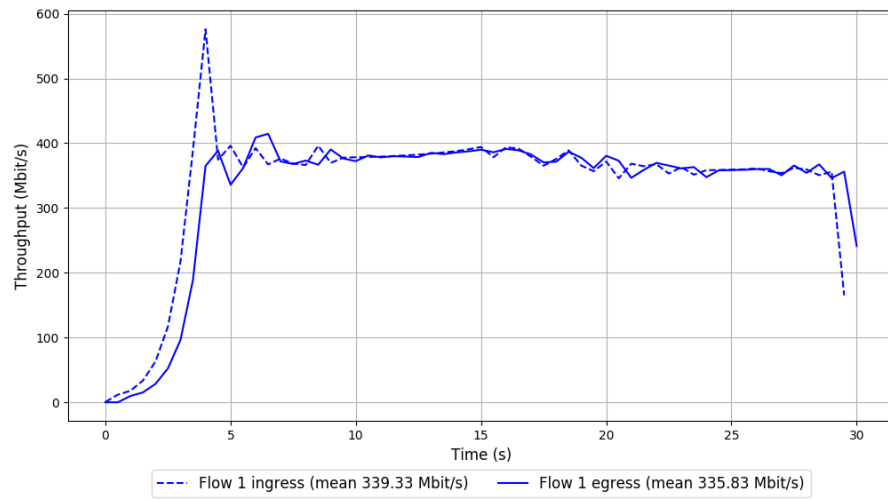


Run 1: Statistics of PCC-Expr

Start at: 2019-02-11 11:04:27
End at: 2019-02-11 11:04:57
Local clock offset: 16.817 ms
Remote clock offset: 22.876 ms

Below is generated by plot.py at 2019-02-11 15:02:28
Datalink statistics
-- Total of 1 flow:
Average throughput: 335.83 Mbit/s
95th percentile per-packet one-way delay: 187.882 ms
Loss rate: 1.02%
-- Flow 1:
Average throughput: 335.83 Mbit/s
95th percentile per-packet one-way delay: 187.882 ms
Loss rate: 1.02%

Run 1: Report of PCC-Expr — Data Link

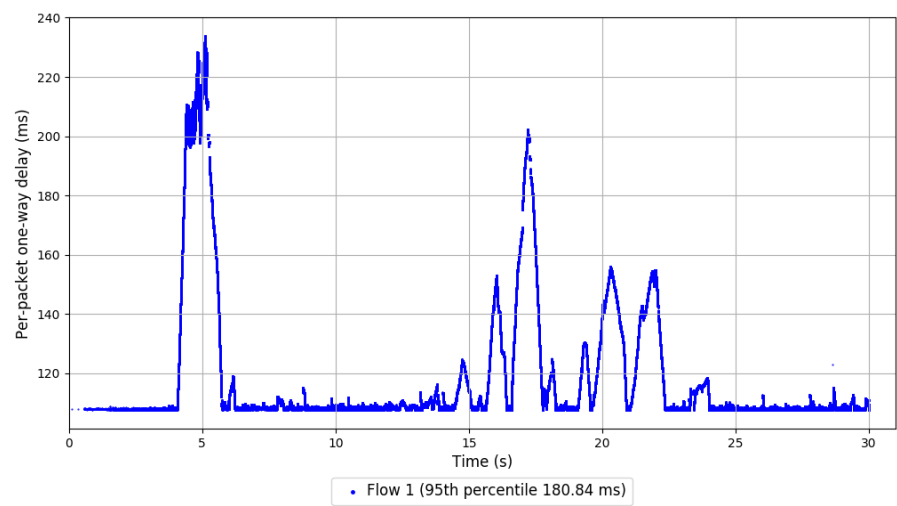
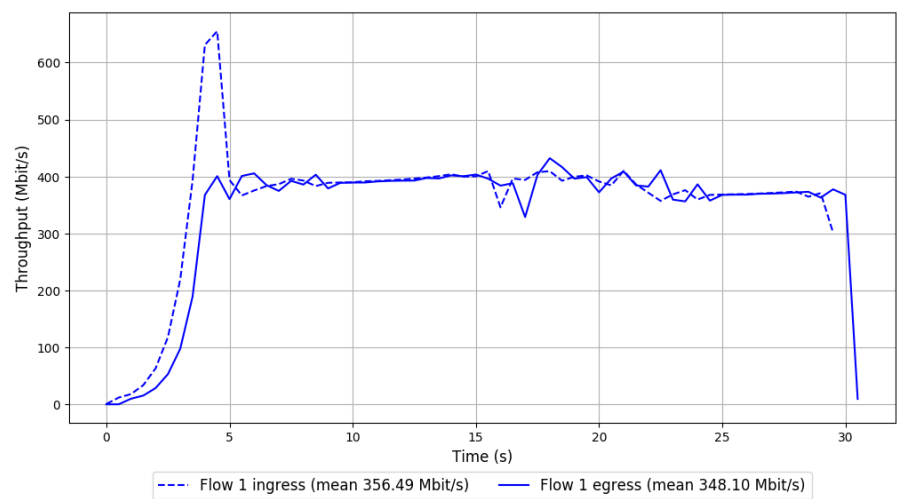


Run 2: Statistics of PCC-Expr

Start at: 2019-02-11 11:36:57
End at: 2019-02-11 11:37:27
Local clock offset: 28.058 ms
Remote clock offset: 36.238 ms

Below is generated by plot.py at 2019-02-11 15:02:28
Datalink statistics
-- Total of 1 flow:
Average throughput: 348.10 Mbit/s
95th percentile per-packet one-way delay: 180.845 ms
Loss rate: 2.34%
-- Flow 1:
Average throughput: 348.10 Mbit/s
95th percentile per-packet one-way delay: 180.845 ms
Loss rate: 2.34%

Run 2: Report of PCC-Expr — Data Link

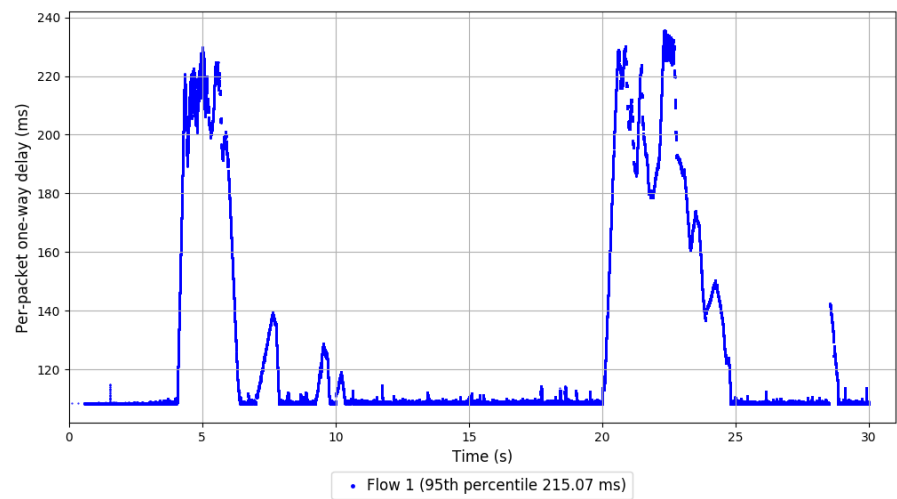
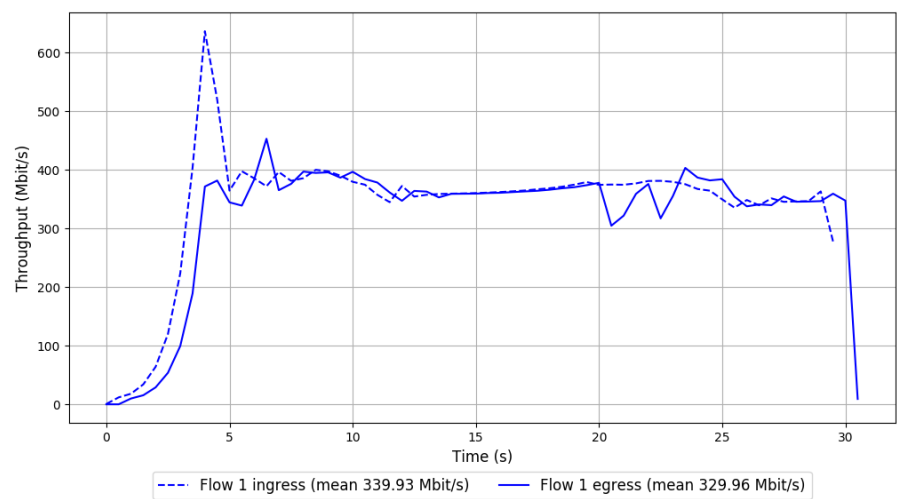


Run 3: Statistics of PCC-Expr

Start at: 2019-02-11 12:09:01
End at: 2019-02-11 12:09:31
Local clock offset: 13.738 ms
Remote clock offset: 18.263 ms

Below is generated by plot.py at 2019-02-11 15:02:28
Datalink statistics
-- Total of 1 flow:
Average throughput: 329.96 Mbit/s
95th percentile per-packet one-way delay: 215.074 ms
Loss rate: 2.93%
-- Flow 1:
Average throughput: 329.96 Mbit/s
95th percentile per-packet one-way delay: 215.074 ms
Loss rate: 2.93%

Run 3: Report of PCC-Expr — Data Link



Run 4: Statistics of PCC-Expr

Start at: 2019-02-11 12:41:31

End at: 2019-02-11 12:42:01

Local clock offset: 2.563 ms

Remote clock offset: 8.021 ms

Below is generated by plot.py at 2019-02-11 15:02:28

Datalink statistics

-- Total of 1 flow:

Average throughput: 339.24 Mbit/s

95th percentile per-packet one-way delay: 213.048 ms

Loss rate: 5.57%

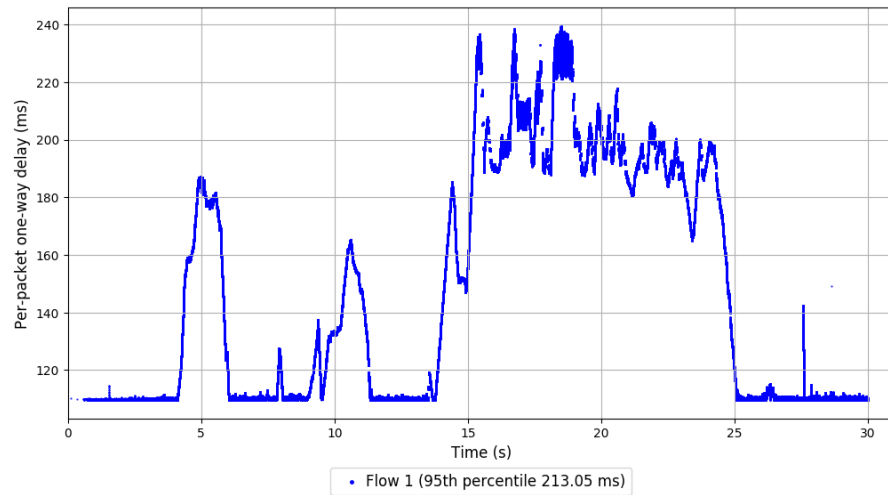
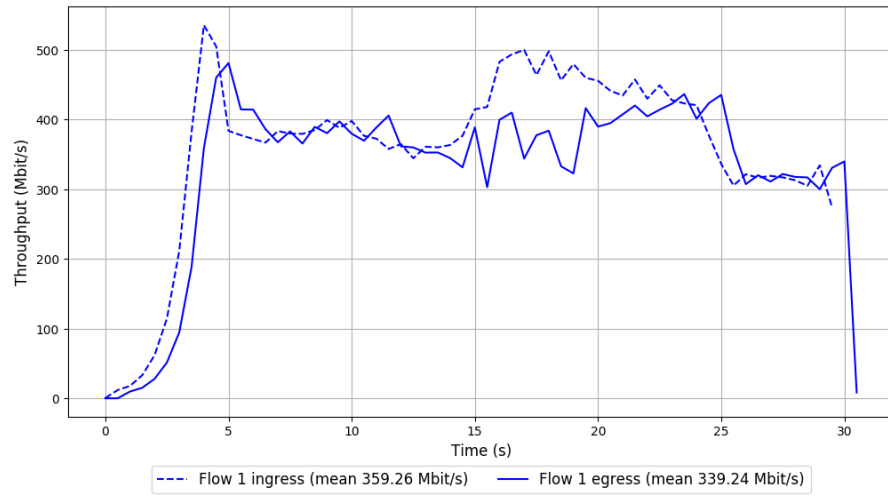
-- Flow 1:

Average throughput: 339.24 Mbit/s

95th percentile per-packet one-way delay: 213.048 ms

Loss rate: 5.57%

Run 4: Report of PCC-Expr — Data Link



Run 5: Statistics of PCC-Expr

Start at: 2019-02-11 13:13:57

End at: 2019-02-11 13:14:27

Local clock offset: 1.12 ms

Remote clock offset: 2.067 ms

Below is generated by plot.py at 2019-02-11 15:02:28

Datalink statistics

-- Total of 1 flow:

Average throughput: 335.69 Mbit/s

95th percentile per-packet one-way delay: 202.726 ms

Loss rate: 1.96%

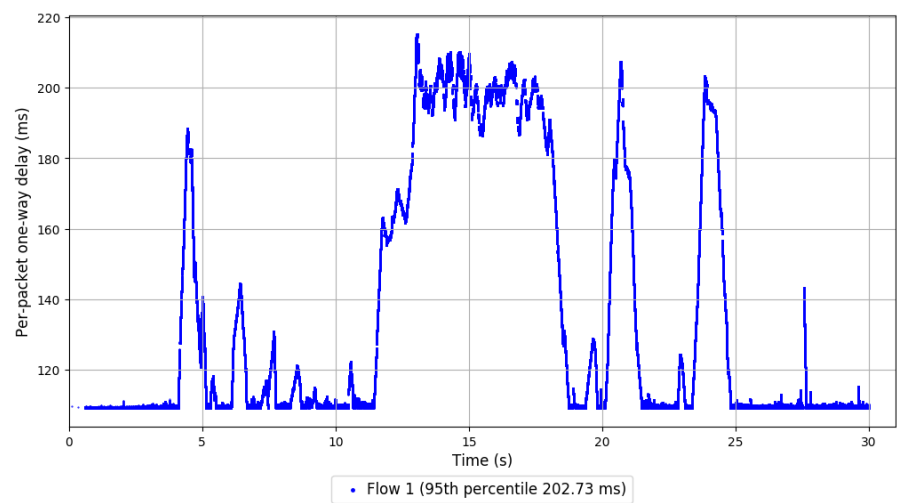
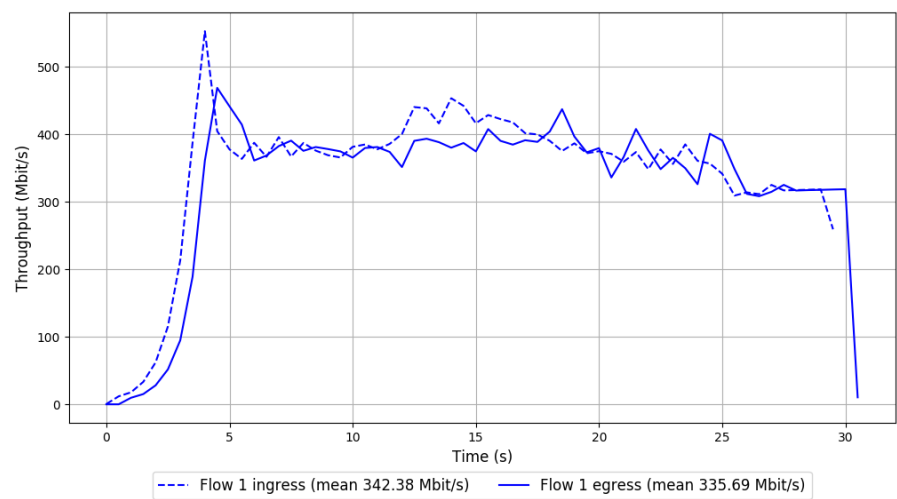
-- Flow 1:

Average throughput: 335.69 Mbit/s

95th percentile per-packet one-way delay: 202.726 ms

Loss rate: 1.96%

Run 5: Report of PCC-Expr — Data Link

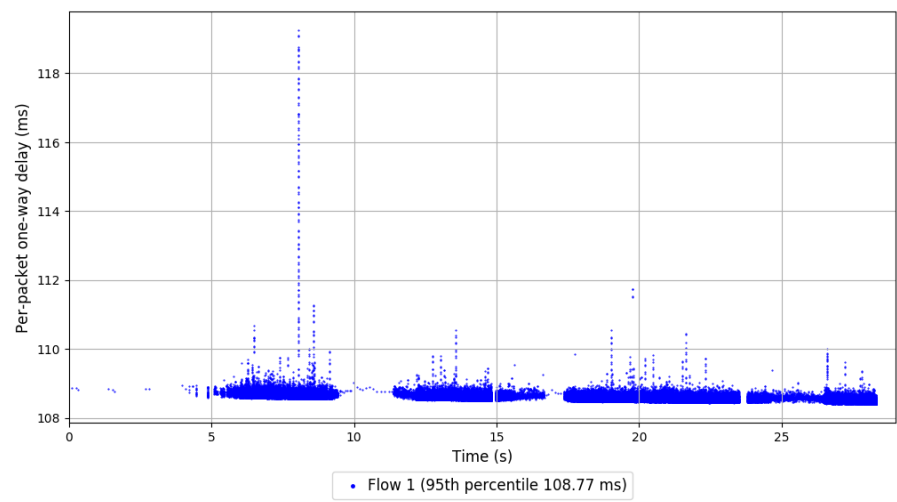
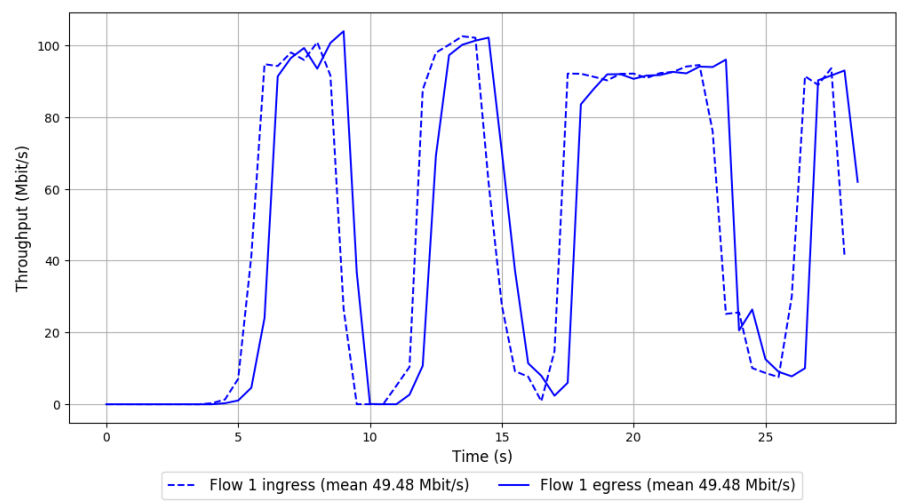


Run 1: Statistics of QUIC Cubic

Start at: 2019-02-11 10:49:01
End at: 2019-02-11 10:49:31
Local clock offset: 10.907 ms
Remote clock offset: 14.503 ms

Below is generated by plot.py at 2019-02-11 15:02:28
Datalink statistics
-- Total of 1 flow:
Average throughput: 49.48 Mbit/s
95th percentile per-packet one-way delay: 108.765 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 49.48 Mbit/s
95th percentile per-packet one-way delay: 108.765 ms
Loss rate: 0.00%

Run 1: Report of QUIC Cubic — Data Link

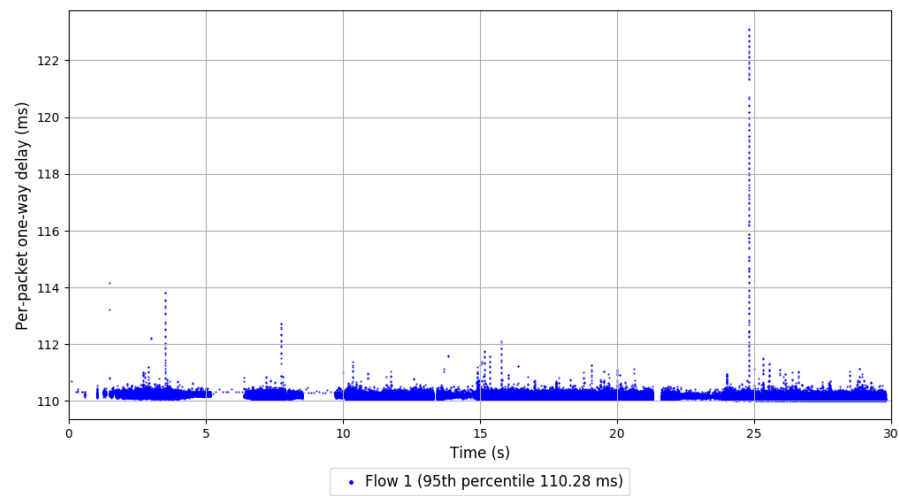
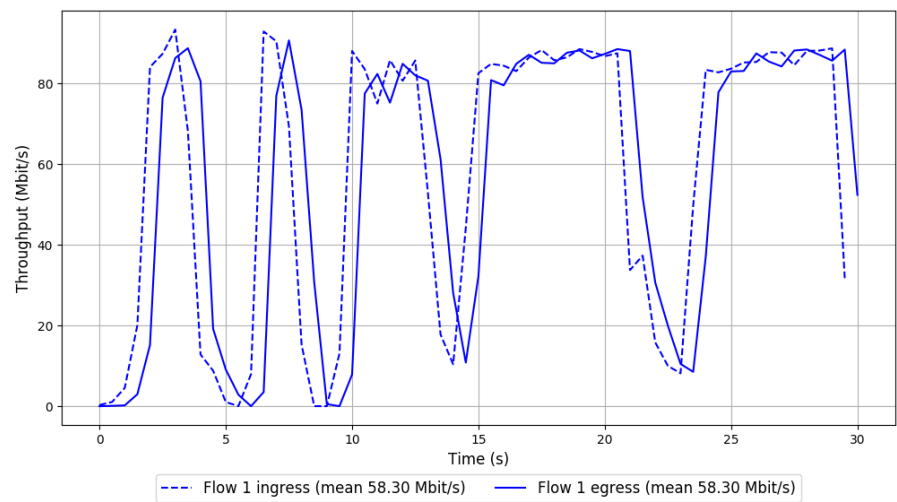


Run 2: Statistics of QUIC Cubic

Start at: 2019-02-11 11:21:21
End at: 2019-02-11 11:21:51
Local clock offset: 15.704 ms
Remote clock offset: 22.411 ms

Below is generated by plot.py at 2019-02-11 15:02:28
Datalink statistics
-- Total of 1 flow:
Average throughput: 58.30 Mbit/s
95th percentile per-packet one-way delay: 110.277 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 58.30 Mbit/s
95th percentile per-packet one-way delay: 110.277 ms
Loss rate: 0.00%

Run 2: Report of QUIC Cubic — Data Link

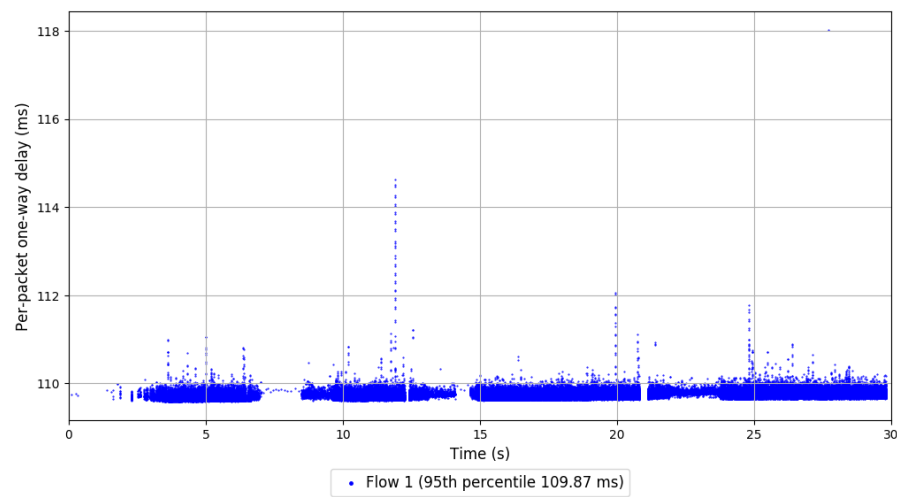
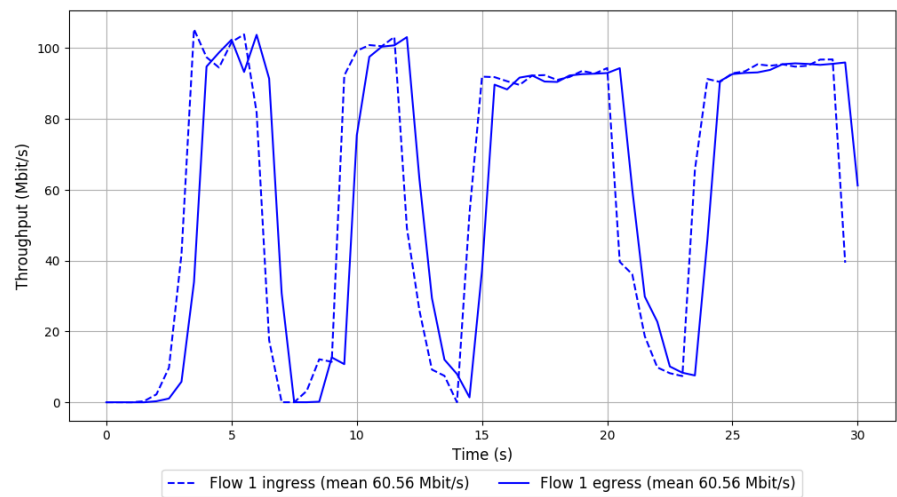


Run 3: Statistics of QUIC Cubic

Start at: 2019-02-11 11:53:41
End at: 2019-02-11 11:54:11
Local clock offset: 12.563 ms
Remote clock offset: 17.465 ms

Below is generated by plot.py at 2019-02-11 15:02:28
Datalink statistics
-- Total of 1 flow:
Average throughput: 60.56 Mbit/s
95th percentile per-packet one-way delay: 109.870 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 60.56 Mbit/s
95th percentile per-packet one-way delay: 109.870 ms
Loss rate: 0.00%

Run 3: Report of QUIC Cubic — Data Link



Run 4: Statistics of QUIC Cubic

Start at: 2019-02-11 12:25:44

End at: 2019-02-11 12:26:14

Local clock offset: 6.077 ms

Remote clock offset: 9.45 ms

Below is generated by plot.py at 2019-02-11 15:02:28

Datalink statistics

-- Total of 1 flow:

Average throughput: 61.16 Mbit/s

95th percentile per-packet one-way delay: 108.380 ms

Loss rate: 0.00%

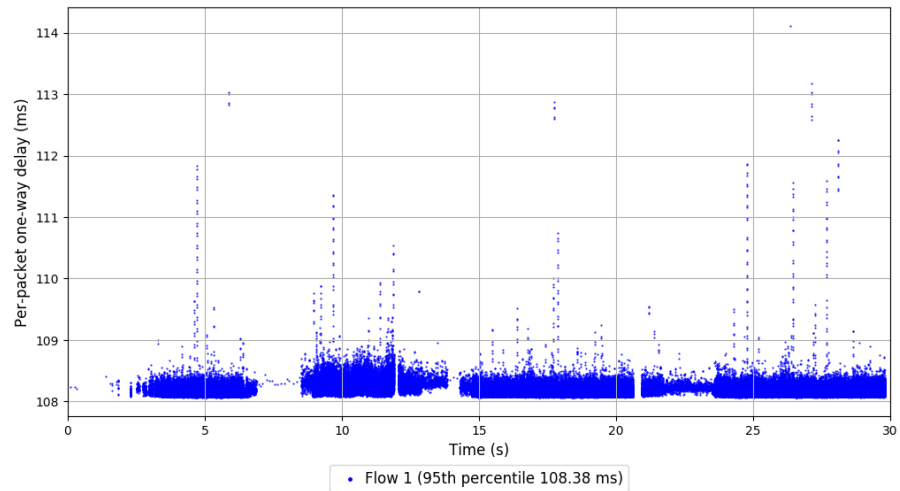
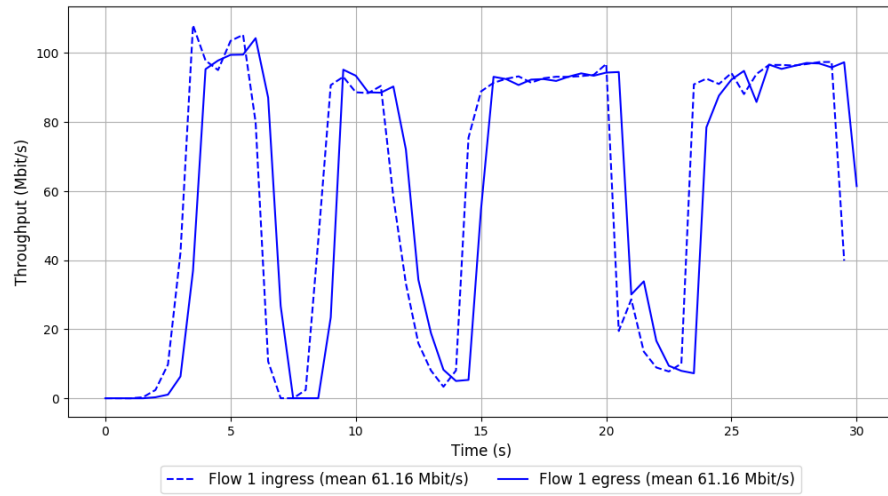
-- Flow 1:

Average throughput: 61.16 Mbit/s

95th percentile per-packet one-way delay: 108.380 ms

Loss rate: 0.00%

Run 4: Report of QUIC Cubic — Data Link



Run 5: Statistics of QUIC Cubic

Start at: 2019-02-11 12:58:19

End at: 2019-02-11 12:58:49

Local clock offset: 1.039 ms

Remote clock offset: 4.294 ms

Below is generated by plot.py at 2019-02-11 15:02:28

Datalink statistics

-- Total of 1 flow:

Average throughput: 49.07 Mbit/s

95th percentile per-packet one-way delay: 109.144 ms

Loss rate: 0.00%

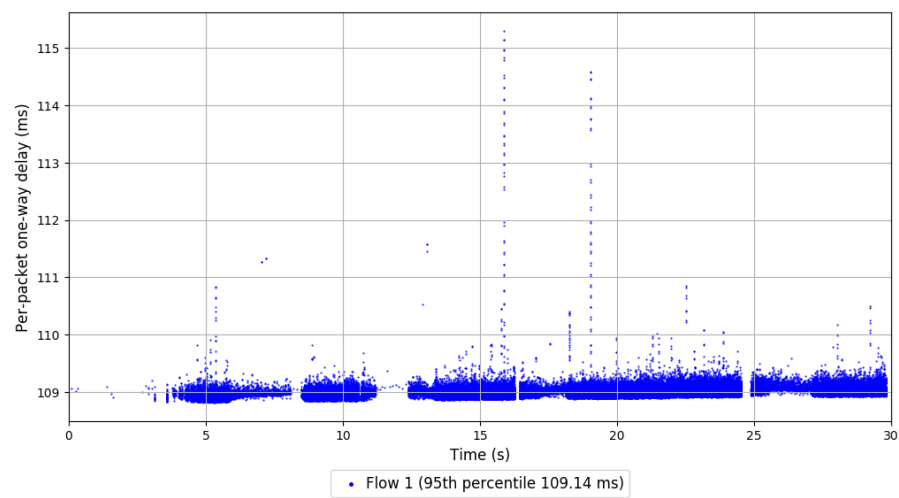
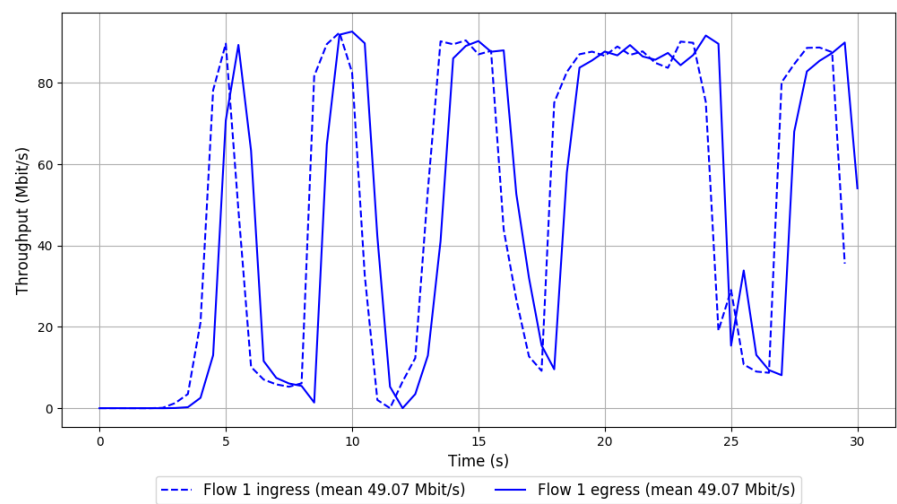
-- Flow 1:

Average throughput: 49.07 Mbit/s

95th percentile per-packet one-way delay: 109.144 ms

Loss rate: 0.00%

Run 5: Report of QUIC Cubic — Data Link



Run 1: Statistics of SCReAM

Start at: 2019-02-11 10:36:59

End at: 2019-02-11 10:37:29

Local clock offset: 2.699 ms

Remote clock offset: 4.647 ms

Below is generated by plot.py at 2019-02-11 15:02:28

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 109.024 ms

Loss rate: 0.00%

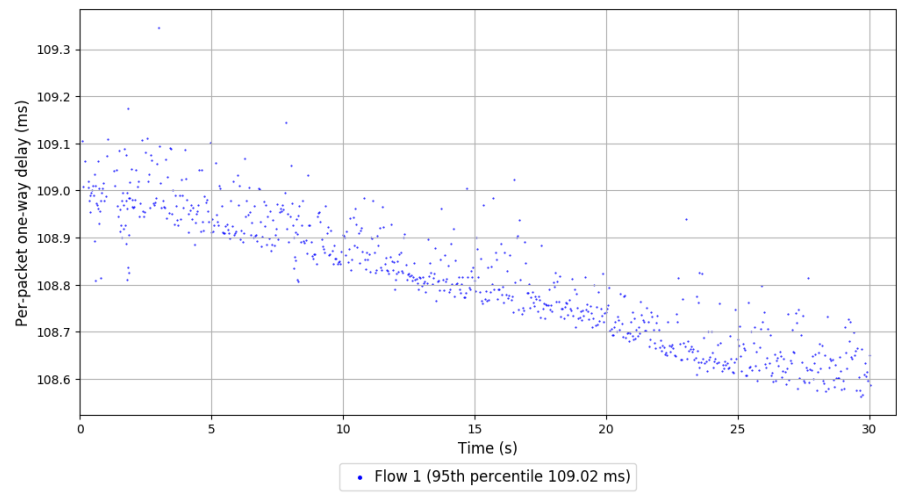
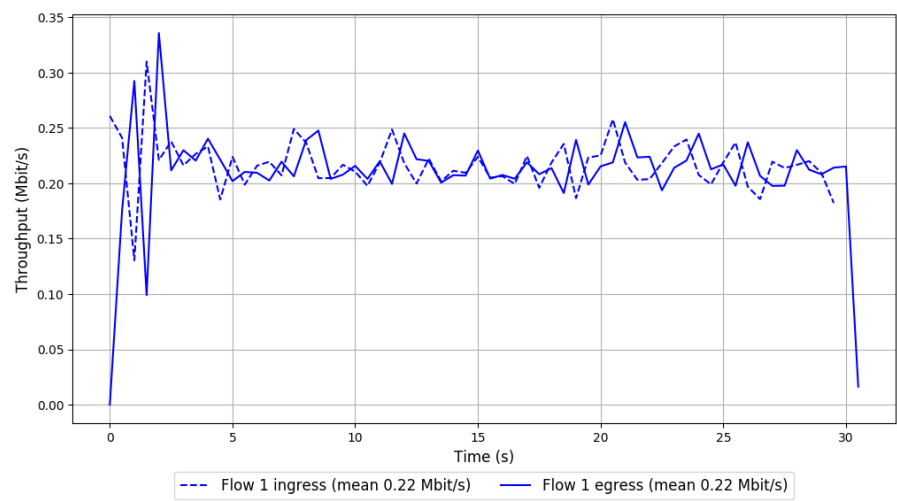
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 109.024 ms

Loss rate: 0.00%

Run 1: Report of SReAM — Data Link

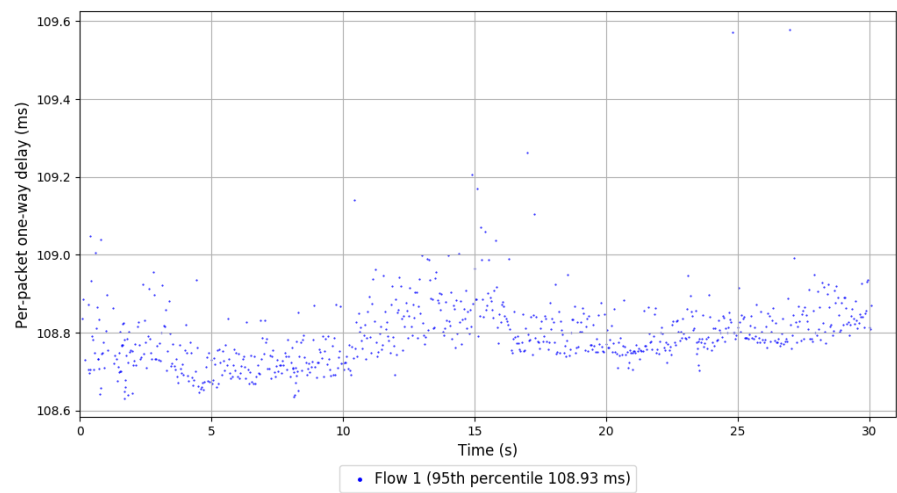
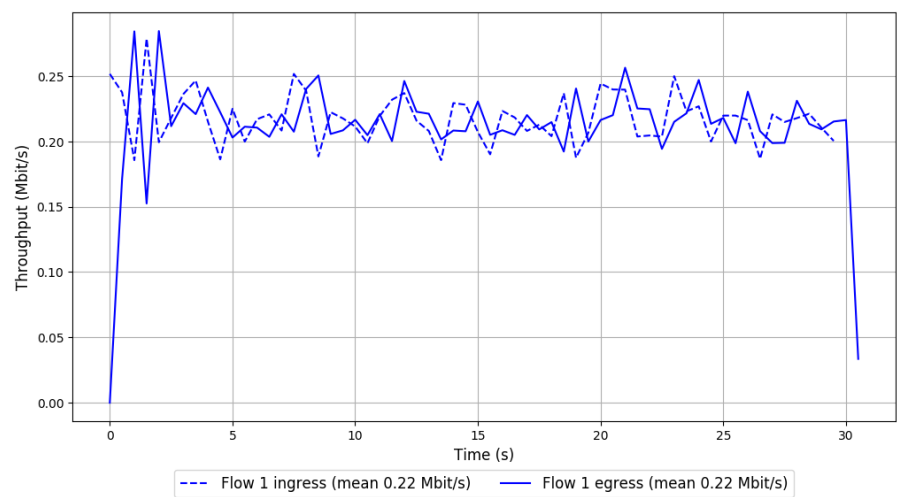


Run 2: Statistics of SCReAM

Start at: 2019-02-11 11:09:07
End at: 2019-02-11 11:09:37
Local clock offset: 18.924 ms
Remote clock offset: 25.248 ms

Below is generated by plot.py at 2019-02-11 15:02:28
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 108.928 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 108.928 ms
Loss rate: 0.00%

Run 2: Report of SReAM — Data Link

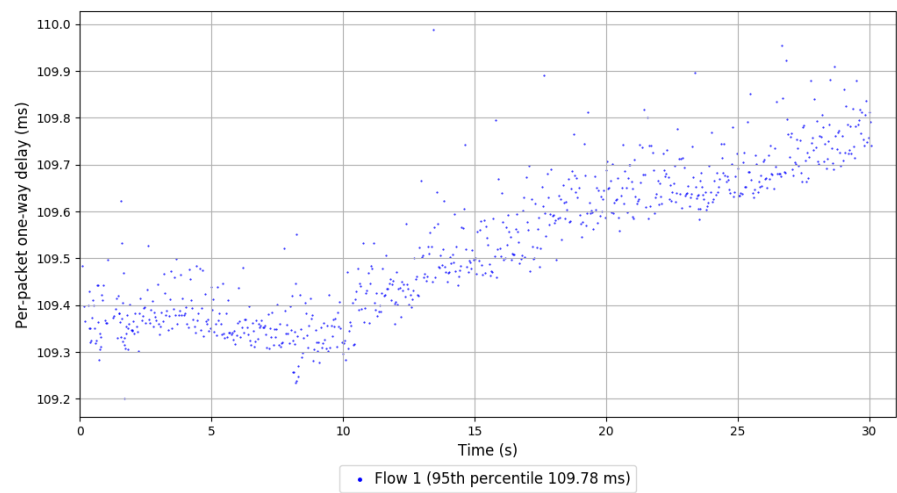
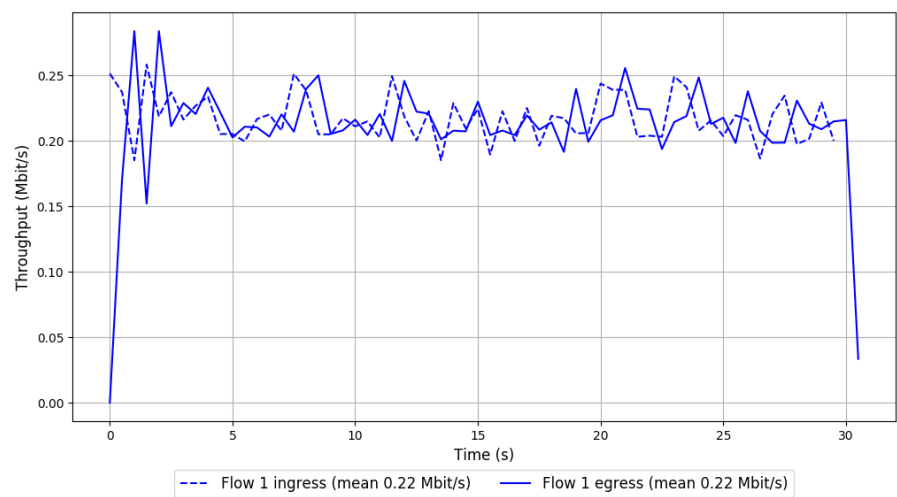


Run 3: Statistics of SCReAM

Start at: 2019-02-11 11:41:34
End at: 2019-02-11 11:42:04
Local clock offset: 31.275 ms
Remote clock offset: 41.758 ms

Below is generated by plot.py at 2019-02-11 15:02:28
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 109.779 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 109.779 ms
Loss rate: 0.00%

Run 3: Report of SReAM — Data Link

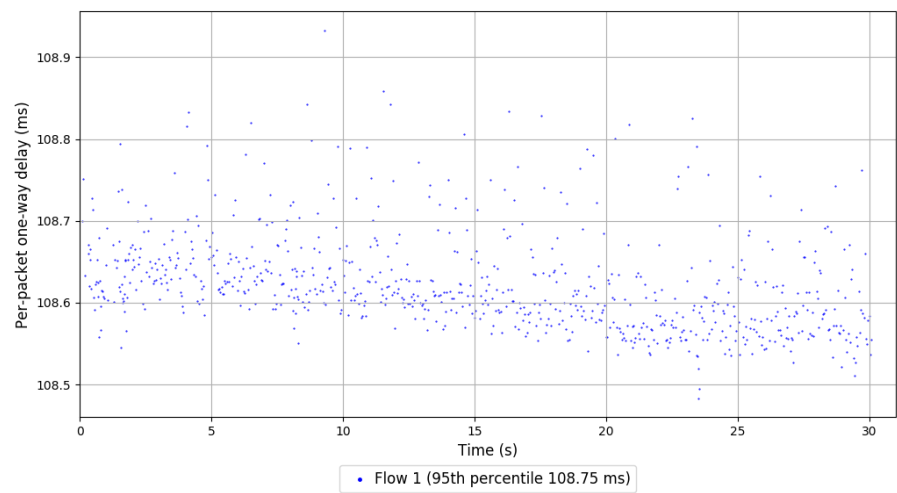
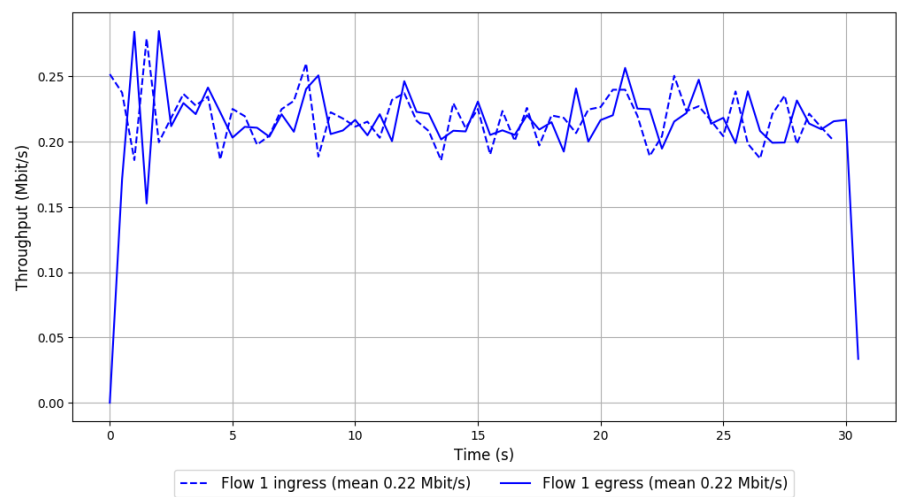


Run 4: Statistics of SCReAM

Start at: 2019-02-11 12:13:35
End at: 2019-02-11 12:14:05
Local clock offset: 14.765 ms
Remote clock offset: 19.938 ms

Below is generated by plot.py at 2019-02-11 15:02:28
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 108.745 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 108.745 ms
Loss rate: 0.00%

Run 4: Report of SReAM — Data Link



Run 5: Statistics of SCReAM

Start at: 2019-02-11 12:46:07

End at: 2019-02-11 12:46:37

Local clock offset: 2.393 ms

Remote clock offset: 9.233 ms

Below is generated by plot.py at 2019-02-11 15:02:28

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 110.184 ms

Loss rate: 0.00%

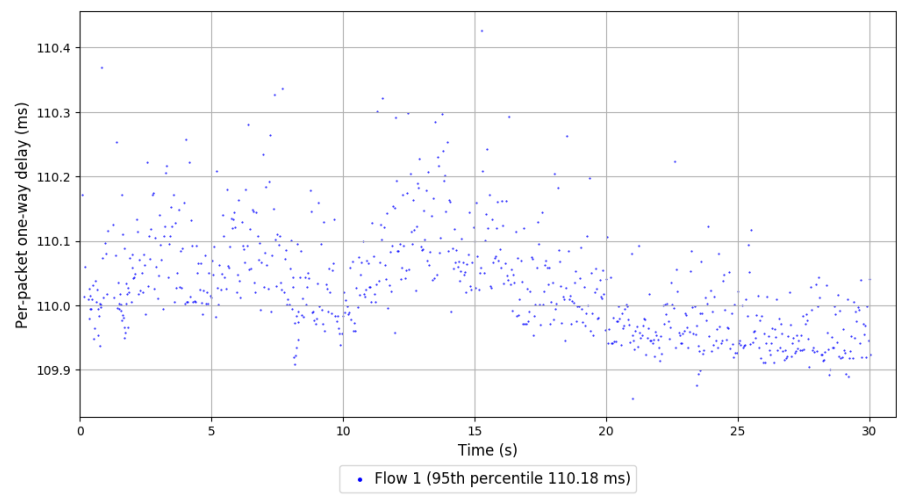
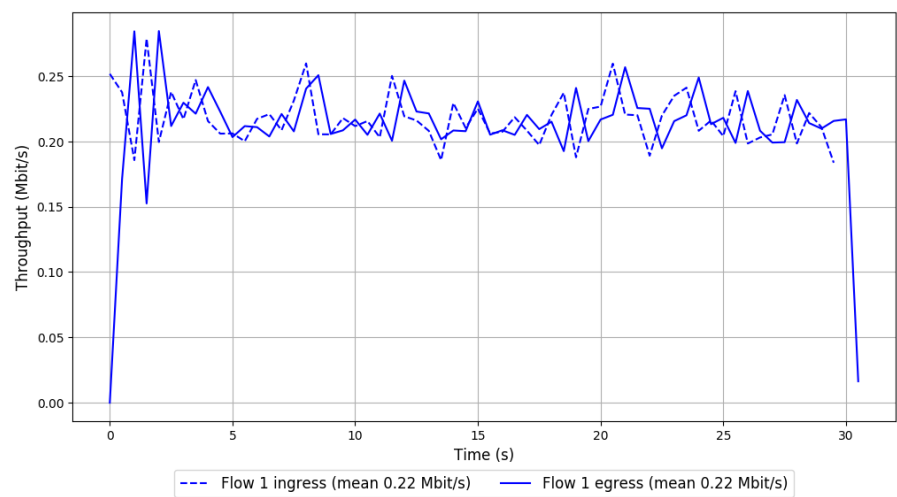
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 110.184 ms

Loss rate: 0.00%

Run 5: Report of SReAM — Data Link



Run 1: Statistics of Sprout

Start at: 2019-02-11 10:38:09

End at: 2019-02-11 10:38:39

Local clock offset: 5.071 ms

Remote clock offset: 7.028 ms

Below is generated by plot.py at 2019-02-11 15:02:28

Datalink statistics

-- Total of 1 flow:

Average throughput: 1.72 Mbit/s

95th percentile per-packet one-way delay: 110.128 ms

Loss rate: 0.00%

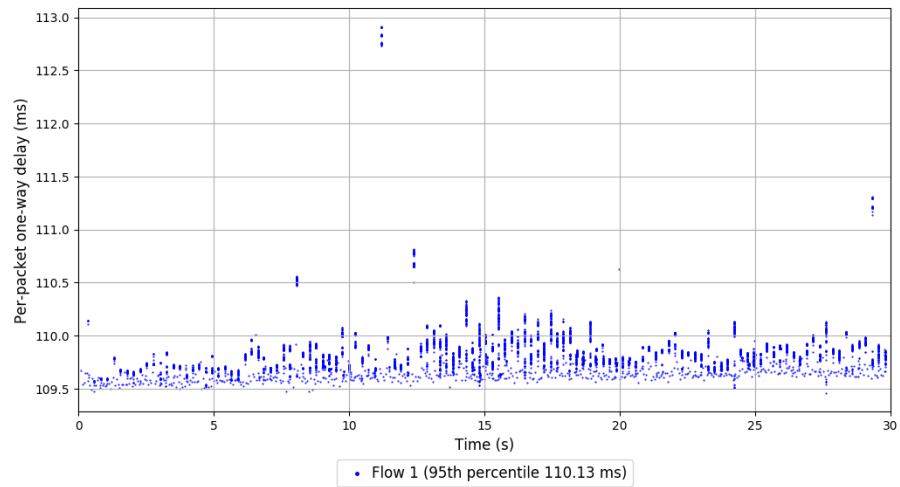
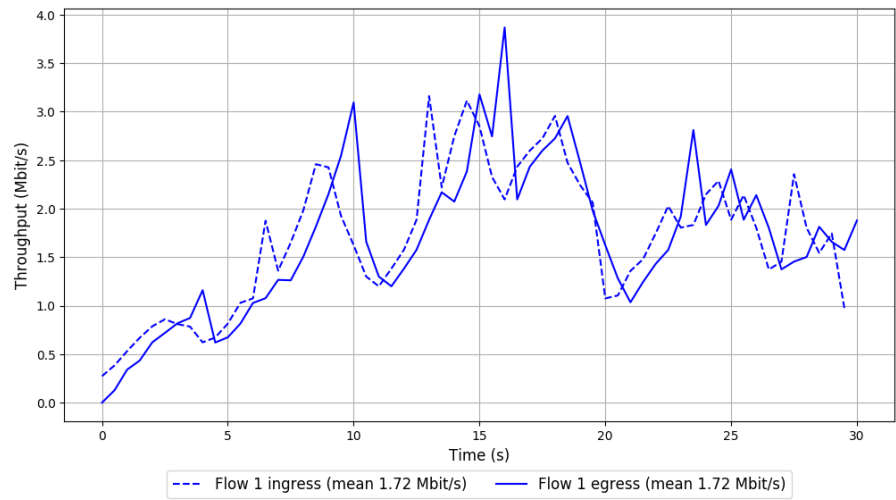
-- Flow 1:

Average throughput: 1.72 Mbit/s

95th percentile per-packet one-way delay: 110.128 ms

Loss rate: 0.00%

Run 1: Report of Sprout — Data Link

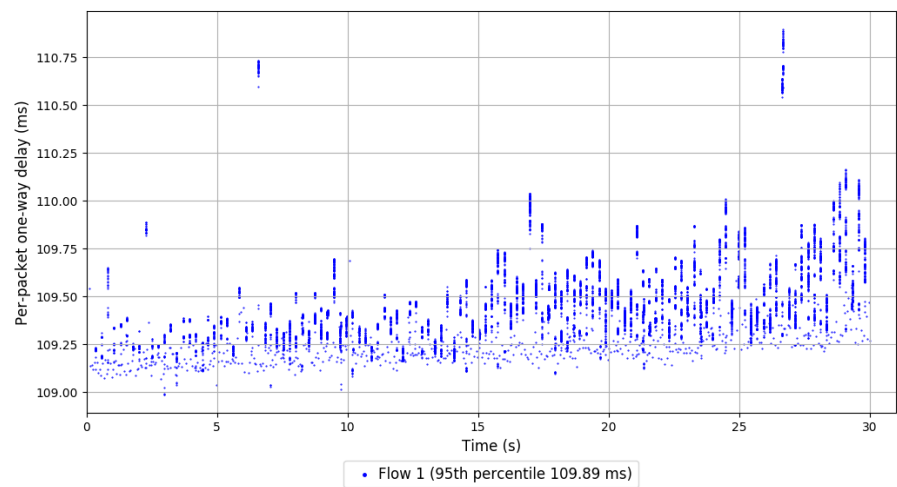
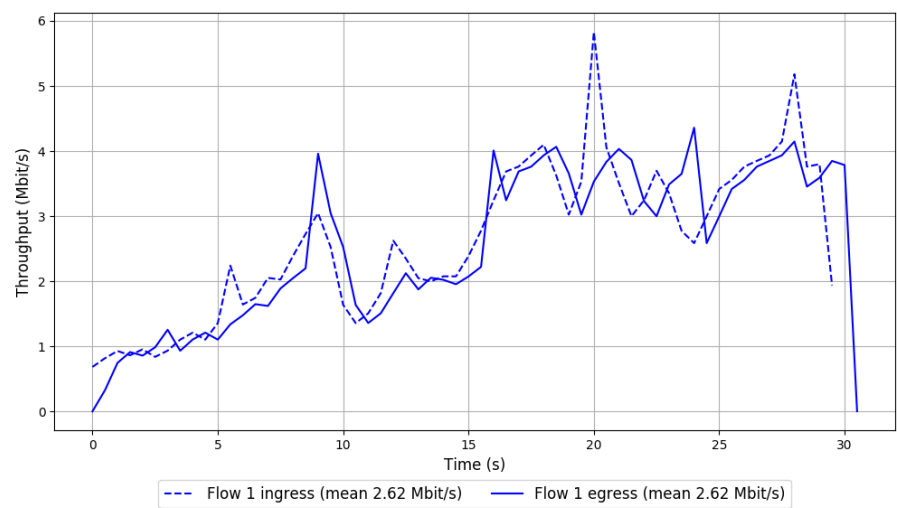


Run 2: Statistics of Sprout

Start at: 2019-02-11 11:10:17
End at: 2019-02-11 11:10:47
Local clock offset: 18.183 ms
Remote clock offset: 23.802 ms

Below is generated by plot.py at 2019-02-11 15:02:28
Datalink statistics
-- Total of 1 flow:
Average throughput: 2.62 Mbit/s
95th percentile per-packet one-way delay: 109.893 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.62 Mbit/s
95th percentile per-packet one-way delay: 109.893 ms
Loss rate: 0.00%

Run 2: Report of Sprout — Data Link

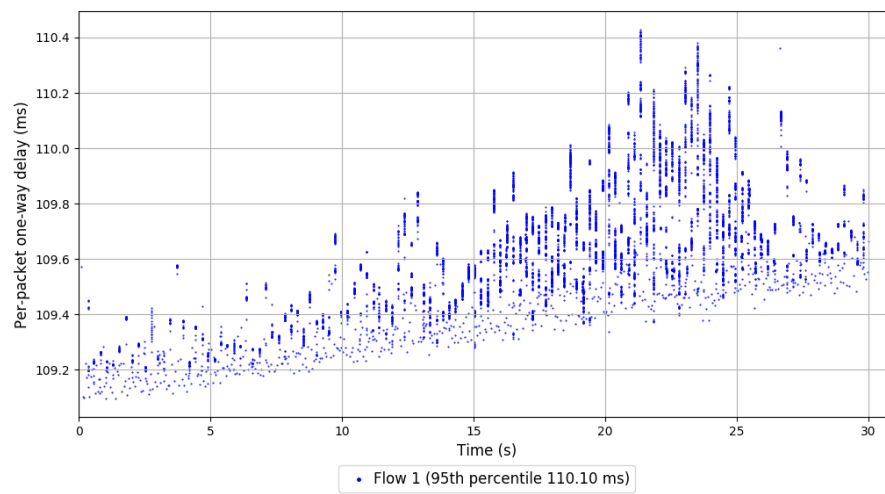
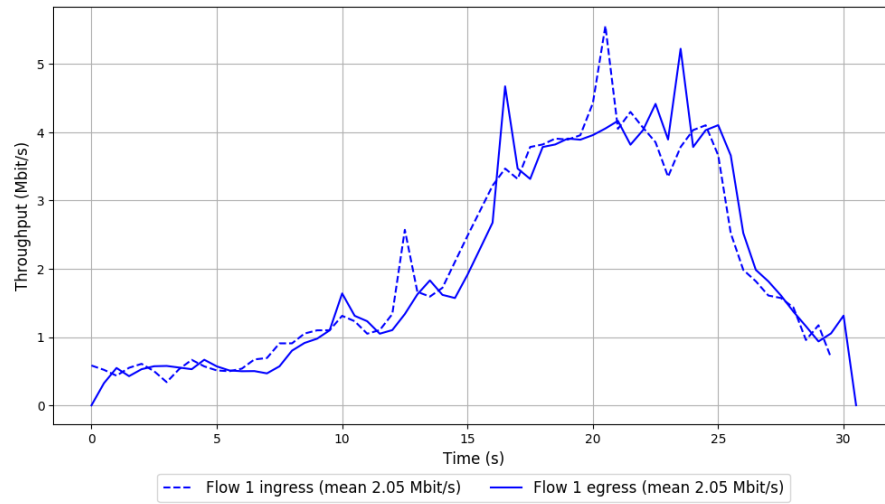


Run 3: Statistics of Sprout

Start at: 2019-02-11 11:42:44
End at: 2019-02-11 11:43:14
Local clock offset: 29.361 ms
Remote clock offset: 38.603 ms

Below is generated by plot.py at 2019-02-11 15:02:28
Datalink statistics
-- Total of 1 flow:
Average throughput: 2.05 Mbit/s
95th percentile per-packet one-way delay: 110.097 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.05 Mbit/s
95th percentile per-packet one-way delay: 110.097 ms
Loss rate: 0.00%

Run 3: Report of Sprout — Data Link

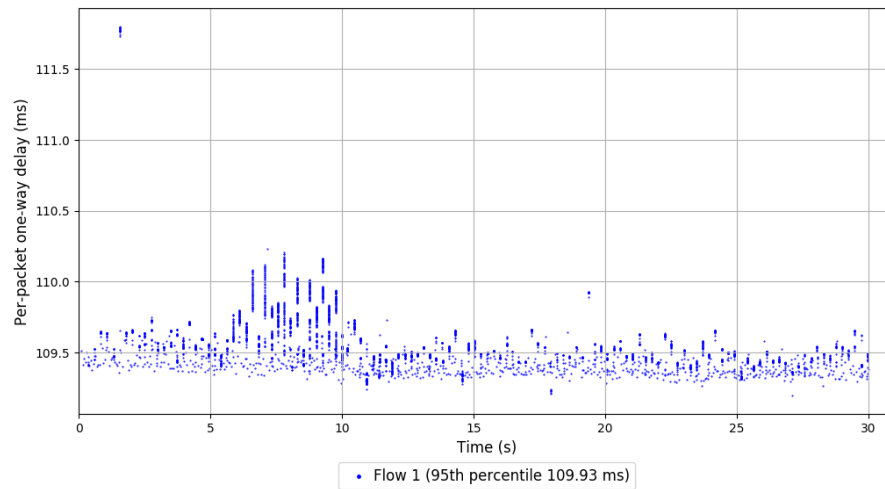
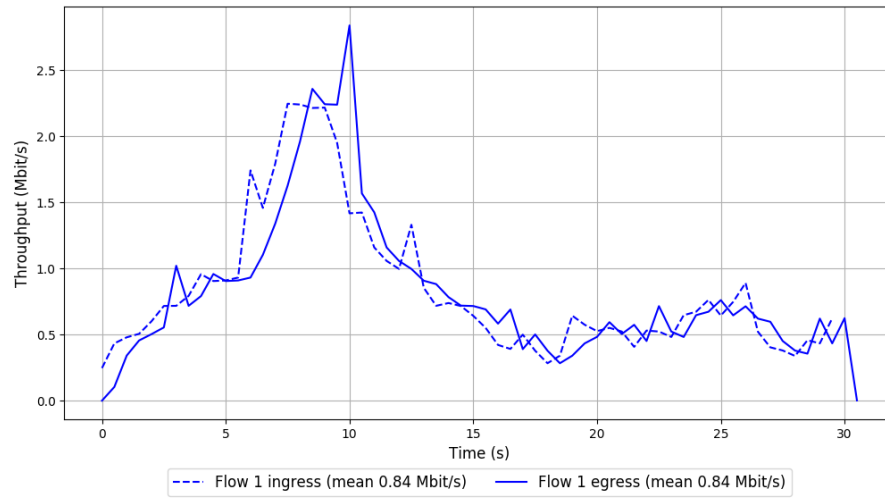


Run 4: Statistics of Sprout

Start at: 2019-02-11 12:14:45
End at: 2019-02-11 12:15:15
Local clock offset: 15.03 ms
Remote clock offset: 20.476 ms

Below is generated by plot.py at 2019-02-11 15:02:28
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.84 Mbit/s
95th percentile per-packet one-way delay: 109.930 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.84 Mbit/s
95th percentile per-packet one-way delay: 109.930 ms
Loss rate: 0.00%

Run 4: Report of Sprout — Data Link



Run 5: Statistics of Sprout

Start at: 2019-02-11 12:47:16

End at: 2019-02-11 12:47:46

Local clock offset: 2.6 ms

Remote clock offset: 9.527 ms

Below is generated by plot.py at 2019-02-11 15:02:28

Datalink statistics

-- Total of 1 flow:

Average throughput: 1.88 Mbit/s

95th percentile per-packet one-way delay: 110.863 ms

Loss rate: 0.00%

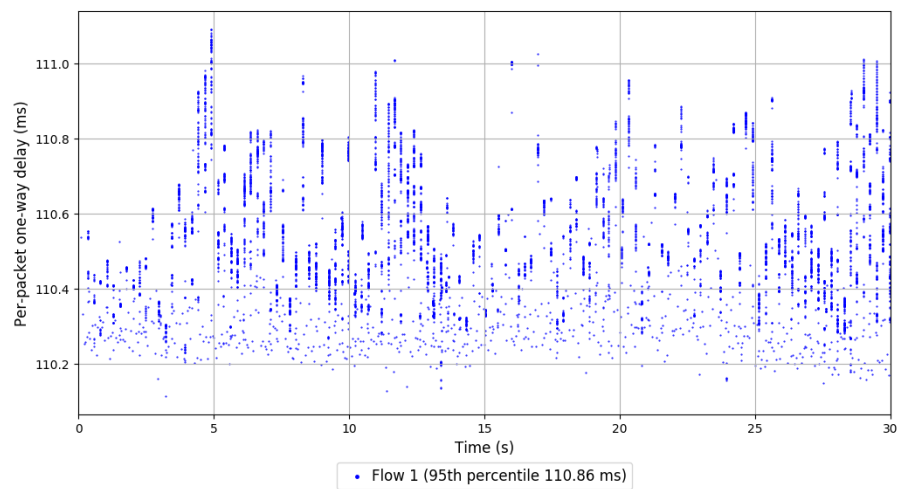
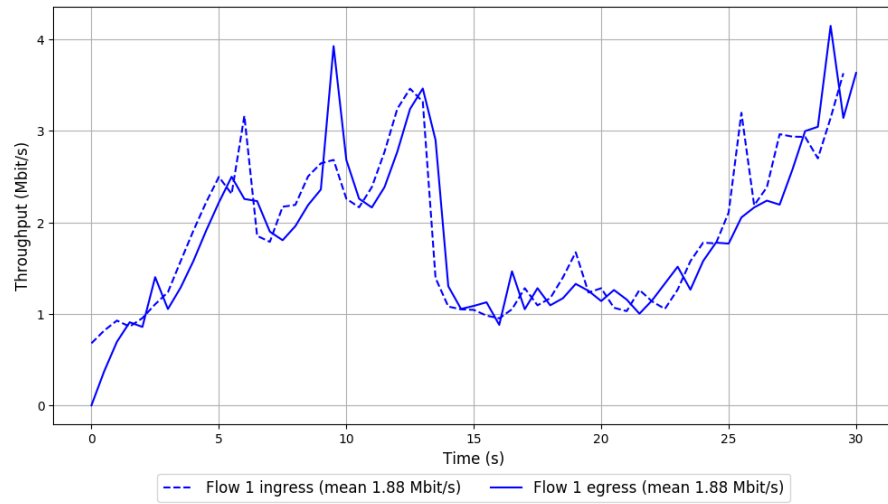
-- Flow 1:

Average throughput: 1.88 Mbit/s

95th percentile per-packet one-way delay: 110.863 ms

Loss rate: 0.00%

Run 5: Report of Sprout — Data Link

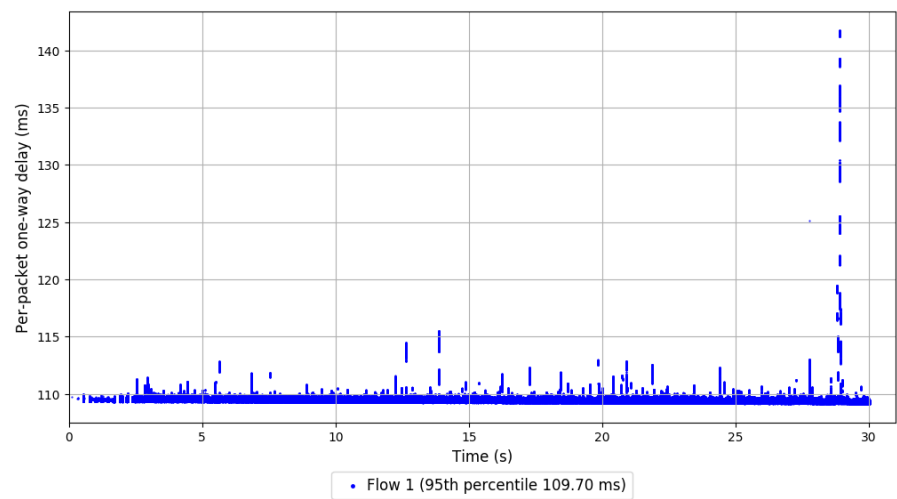
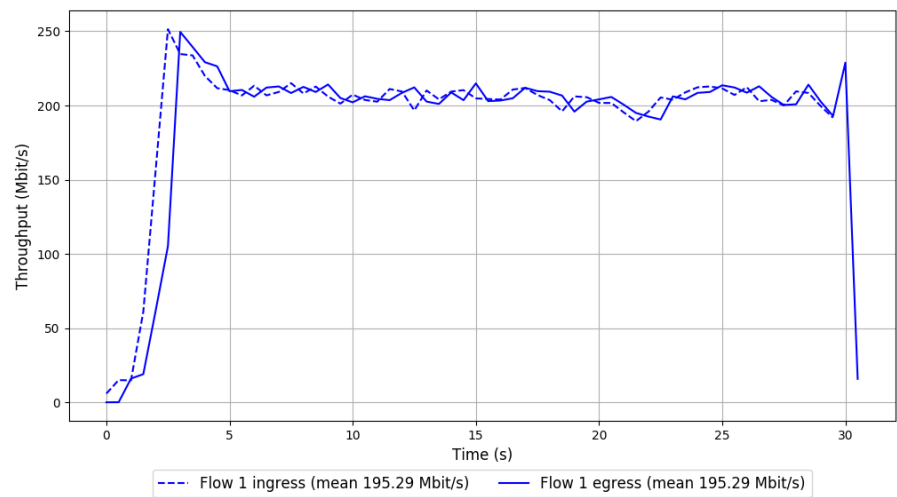


```
Run 1: Statistics of TaoVA-100x

Start at: 2019-02-11 10:47:31
End at: 2019-02-11 10:48:01
Local clock offset: 8.307 ms
Remote clock offset: 11.932 ms

# Below is generated by plot.py at 2019-02-11 15:05:51
# Datalink statistics
-- Total of 1 flow:
Average throughput: 195.29 Mbit/s
95th percentile per-packet one-way delay: 109.698 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 195.29 Mbit/s
95th percentile per-packet one-way delay: 109.698 ms
Loss rate: 0.00%
```

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

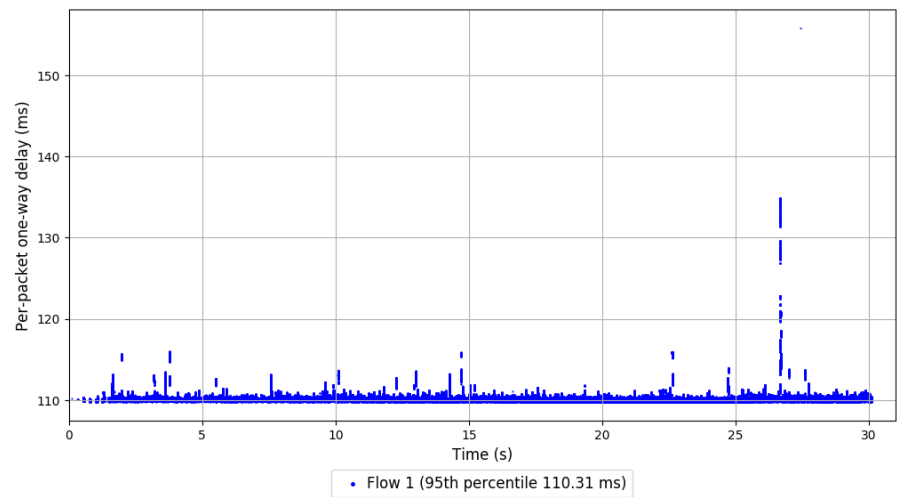
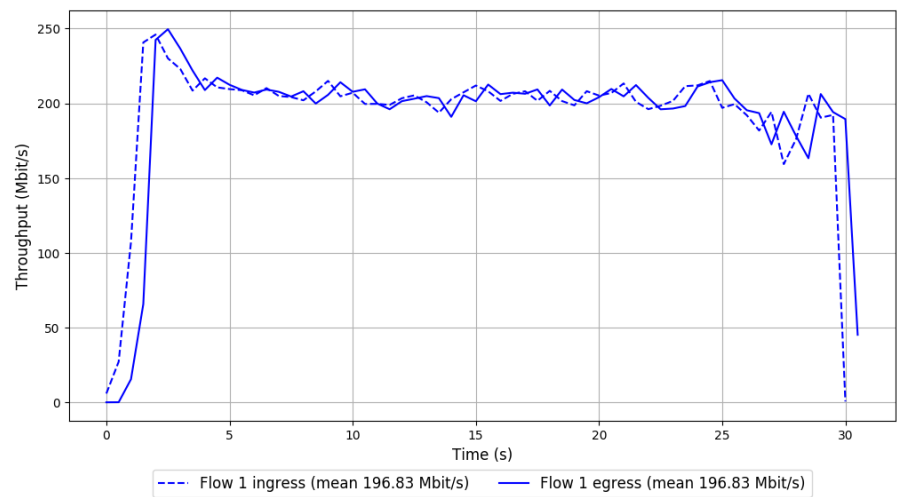


Run 2: Statistics of TaoVA-100x

Start at: 2019-02-11 11:19:52
End at: 2019-02-11 11:20:22
Local clock offset: 15.357 ms
Remote clock offset: 21.417 ms

Below is generated by plot.py at 2019-02-11 15:05:56
Datalink statistics
-- Total of 1 flow:
Average throughput: 196.83 Mbit/s
95th percentile per-packet one-way delay: 110.310 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 196.83 Mbit/s
95th percentile per-packet one-way delay: 110.310 ms
Loss rate: 0.00%

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

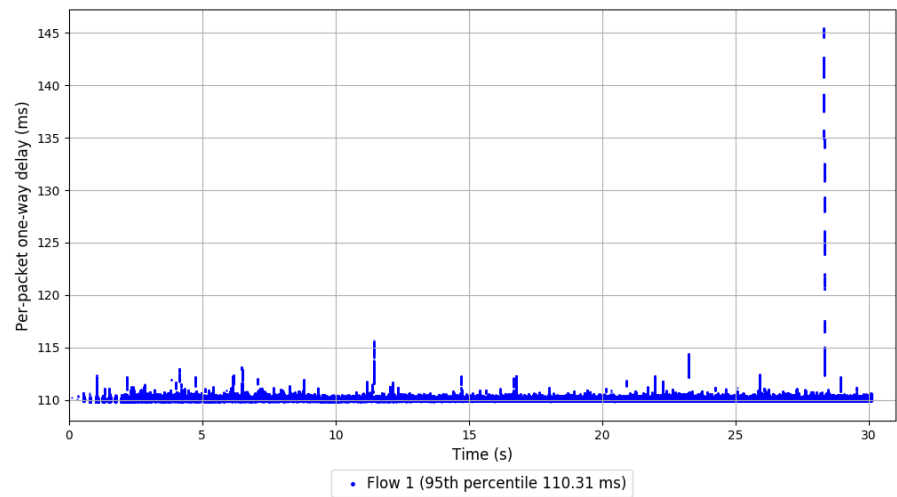
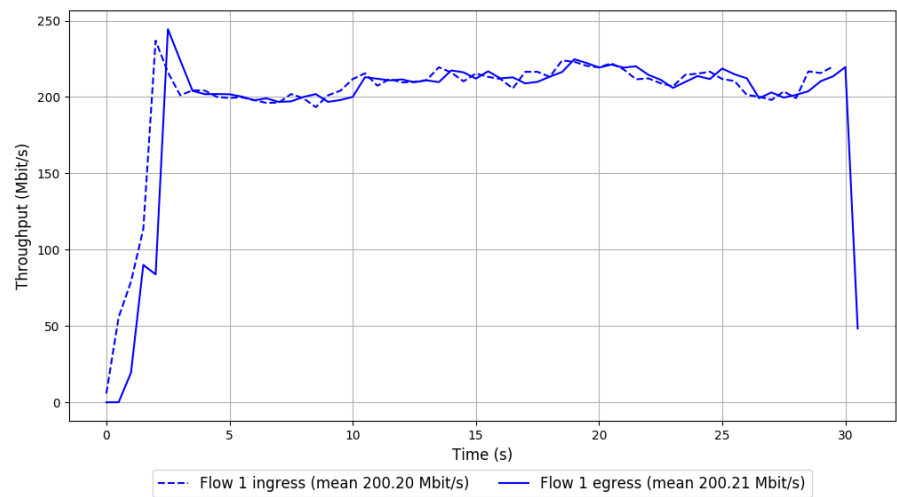


Run 3: Statistics of TaoVA-100x

Start at: 2019-02-11 11:52:11
End at: 2019-02-11 11:52:41
Local clock offset: 13.369 ms
Remote clock offset: 18.957 ms

Below is generated by plot.py at 2019-02-11 15:06:05
Datalink statistics
-- Total of 1 flow:
Average throughput: 200.21 Mbit/s
95th percentile per-packet one-way delay: 110.312 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 200.21 Mbit/s
95th percentile per-packet one-way delay: 110.312 ms
Loss rate: 0.00%

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



Run 4: Statistics of TaoVA-100x

Start at: 2019-02-11 12:24:14

End at: 2019-02-11 12:24:44

Local clock offset: 6.681 ms

Remote clock offset: 10.42 ms

Below is generated by plot.py at 2019-02-11 15:06:34

Datalink statistics

-- Total of 1 flow:

Average throughput: 200.91 Mbit/s

95th percentile per-packet one-way delay: 109.587 ms

Loss rate: 0.00%

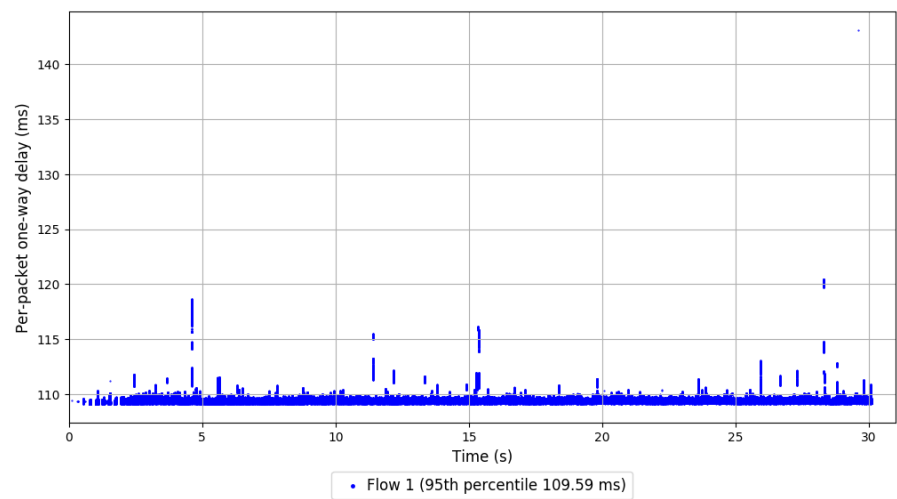
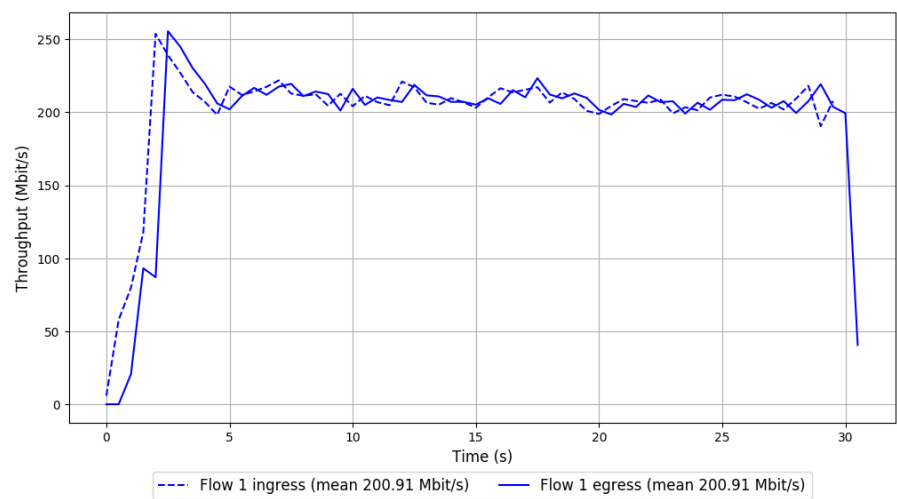
-- Flow 1:

Average throughput: 200.91 Mbit/s

95th percentile per-packet one-way delay: 109.587 ms

Loss rate: 0.00%

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



Run 5: Statistics of TaoVA-100x

Start at: 2019-02-11 12:56:42

End at: 2019-02-11 12:57:12

Local clock offset: 2.6 ms

Remote clock offset: 5.107 ms

Below is generated by plot.py at 2019-02-11 15:06:45

Datalink statistics

-- Total of 1 flow:

Average throughput: 201.56 Mbit/s

95th percentile per-packet one-way delay: 108.803 ms

Loss rate: 0.00%

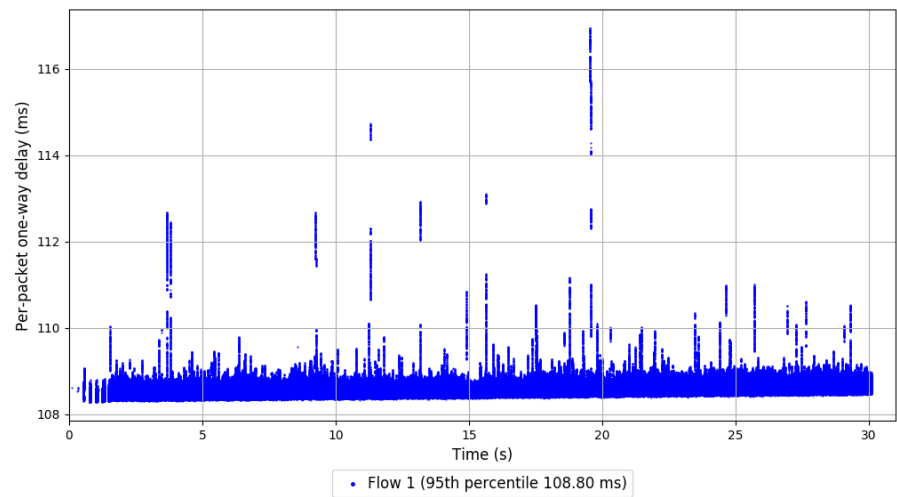
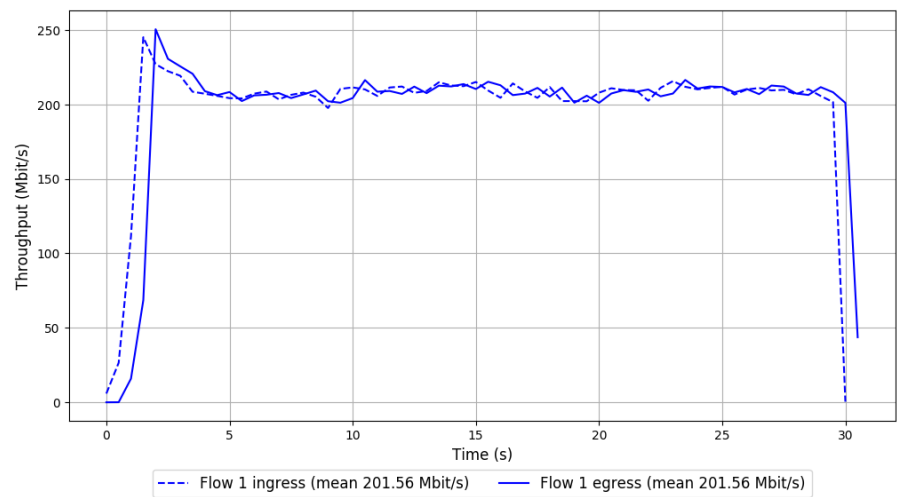
-- Flow 1:

Average throughput: 201.56 Mbit/s

95th percentile per-packet one-way delay: 108.803 ms

Loss rate: 0.00%

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



Run 1: Statistics of TCP Vegas

Start at: 2019-02-11 10:59:34

End at: 2019-02-11 11:00:04

Local clock offset: 11.478 ms

Remote clock offset: 16.38 ms

Below is generated by plot.py at 2019-02-11 15:07:33

Datalink statistics

-- Total of 1 flow:

Average throughput: 339.30 Mbit/s

95th percentile per-packet one-way delay: 129.960 ms

Loss rate: 0.16%

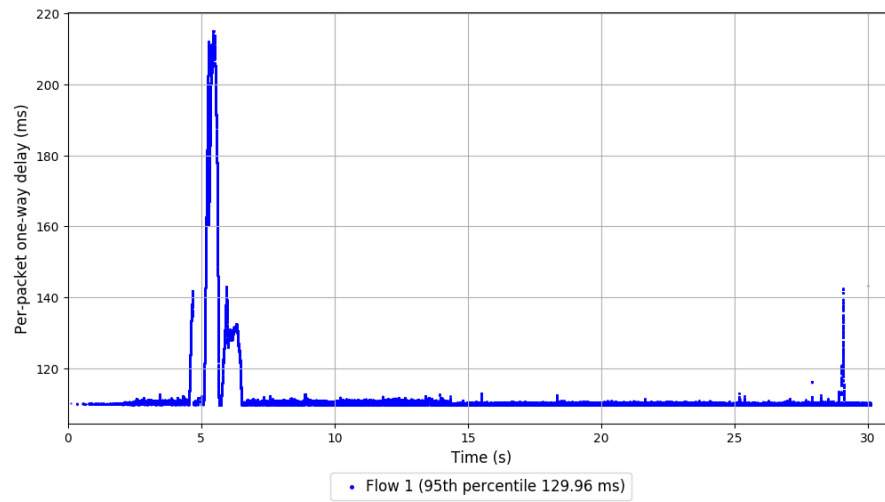
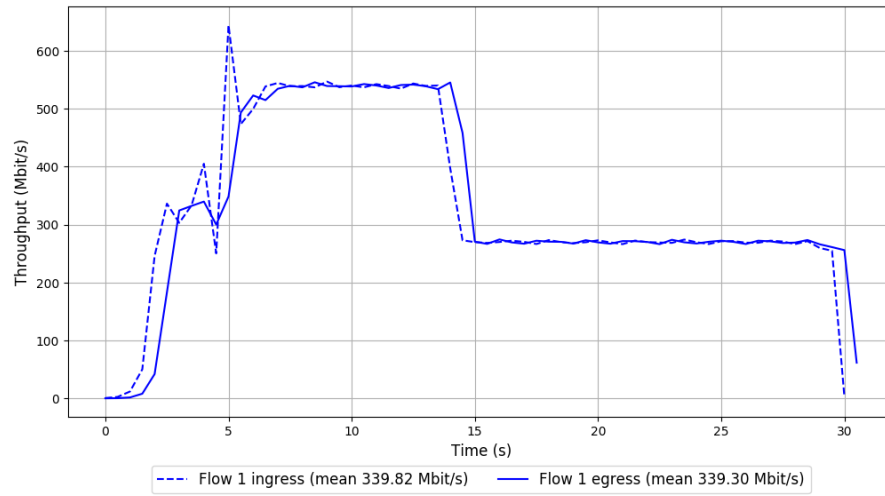
-- Flow 1:

Average throughput: 339.30 Mbit/s

95th percentile per-packet one-way delay: 129.960 ms

Loss rate: 0.16%

Run 1: Report of TCP Vegas — Data Link

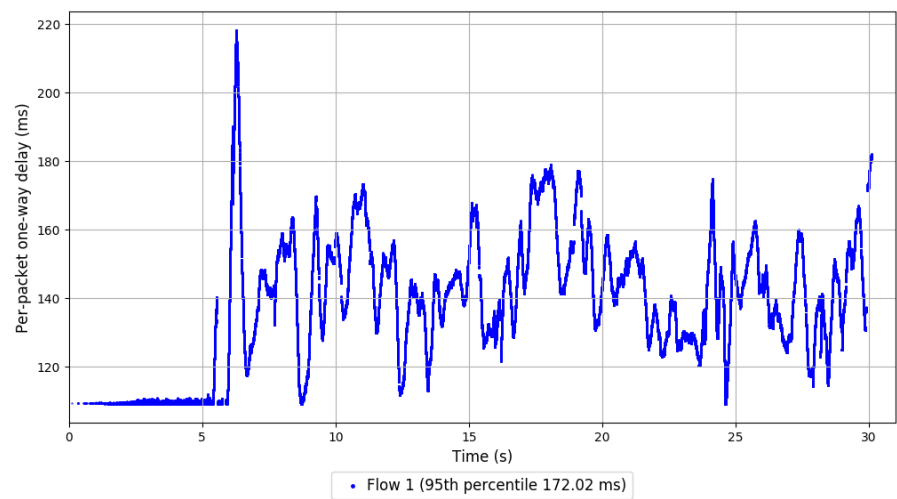
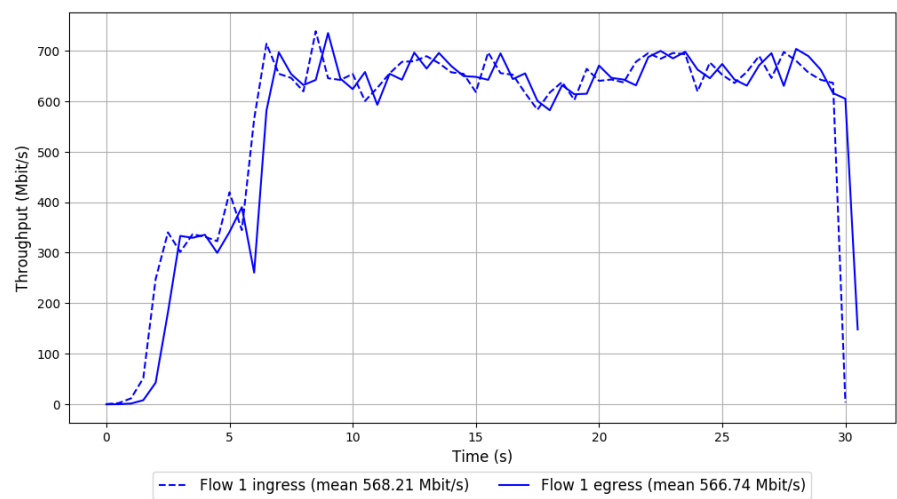


Run 2: Statistics of TCP Vegas

Start at: 2019-02-11 11:31:56
End at: 2019-02-11 11:32:26
Local clock offset: 22.181 ms
Remote clock offset: 30.994 ms

Below is generated by plot.py at 2019-02-11 15:13:38
Datalink statistics
-- Total of 1 flow:
Average throughput: 566.74 Mbit/s
95th percentile per-packet one-way delay: 172.018 ms
Loss rate: 0.26%
-- Flow 1:
Average throughput: 566.74 Mbit/s
95th percentile per-packet one-way delay: 172.018 ms
Loss rate: 0.26%

Run 2: Report of TCP Vegas — Data Link

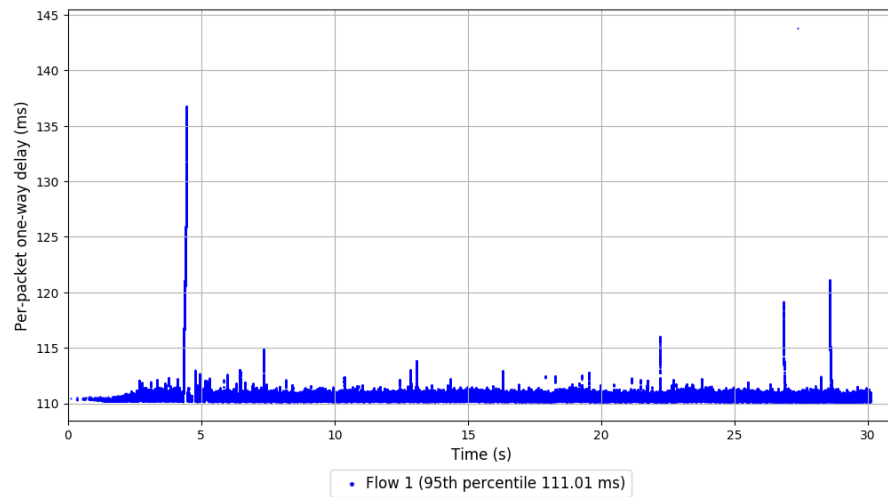
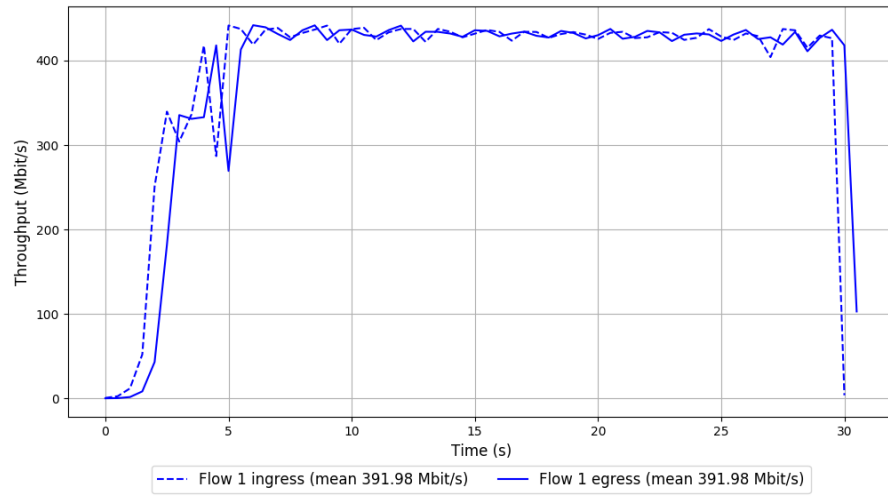


Run 3: Statistics of TCP Vegas

Start at: 2019-02-11 12:04:20
End at: 2019-02-11 12:04:50
Local clock offset: 11.429 ms
Remote clock offset: 16.666 ms

Below is generated by plot.py at 2019-02-11 15:13:38
Datalink statistics
-- Total of 1 flow:
Average throughput: 391.98 Mbit/s
95th percentile per-packet one-way delay: 111.009 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 391.98 Mbit/s
95th percentile per-packet one-way delay: 111.009 ms
Loss rate: 0.00%

Run 3: Report of TCP Vegas — Data Link



Run 4: Statistics of TCP Vegas

Start at: 2019-02-11 12:36:27

End at: 2019-02-11 12:36:57

Local clock offset: 3.443 ms

Remote clock offset: 7.804 ms

Below is generated by plot.py at 2019-02-11 15:15:37

Datalink statistics

-- Total of 1 flow:

Average throughput: 523.55 Mbit/s

95th percentile per-packet one-way delay: 110.514 ms

Loss rate: 0.01%

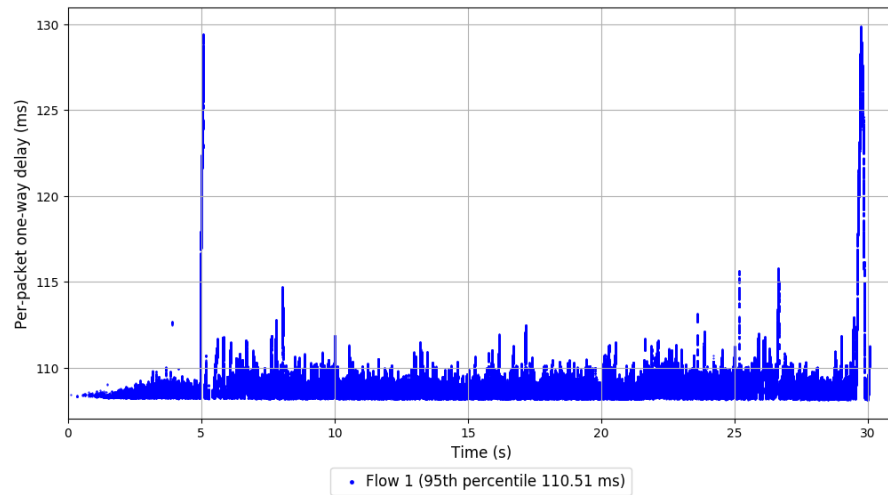
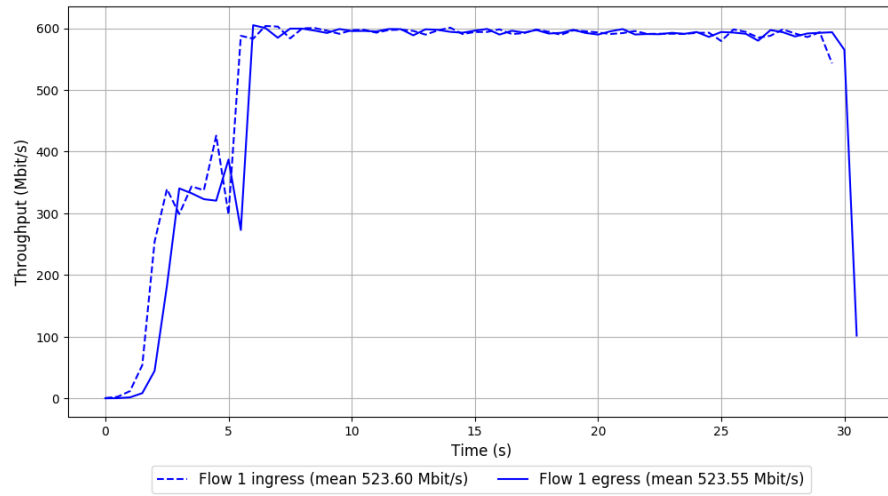
-- Flow 1:

Average throughput: 523.55 Mbit/s

95th percentile per-packet one-way delay: 110.514 ms

Loss rate: 0.01%

Run 4: Report of TCP Vegas — Data Link



Run 5: Statistics of TCP Vegas

Start at: 2019-02-11 13:08:53

End at: 2019-02-11 13:09:23

Local clock offset: 0.209 ms

Remote clock offset: 2.275 ms

Below is generated by plot.py at 2019-02-11 15:15:57

Datalink statistics

-- Total of 1 flow:

Average throughput: 558.07 Mbit/s

95th percentile per-packet one-way delay: 161.209 ms

Loss rate: 0.05%

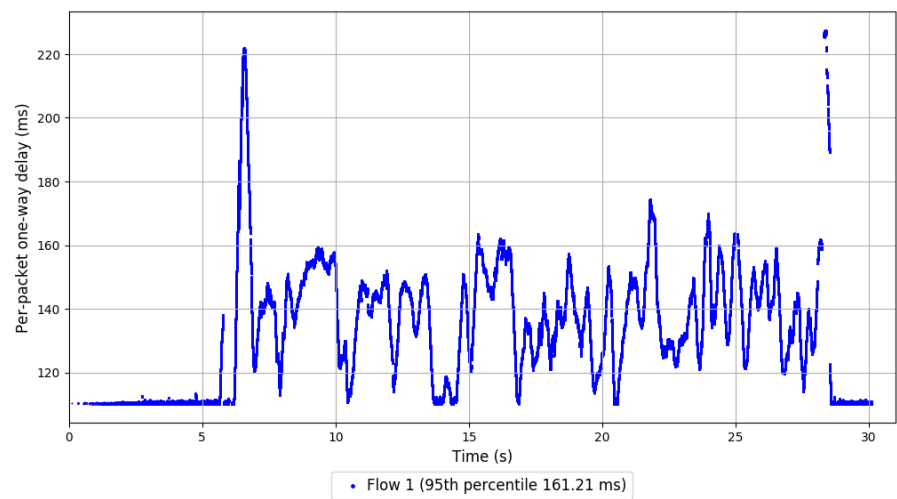
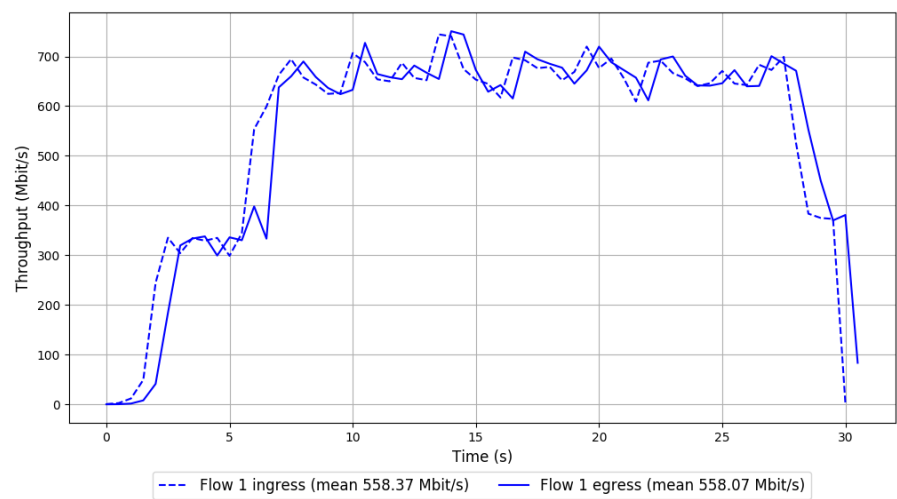
-- Flow 1:

Average throughput: 558.07 Mbit/s

95th percentile per-packet one-way delay: 161.209 ms

Loss rate: 0.05%

Run 5: Report of TCP Vegas — Data Link

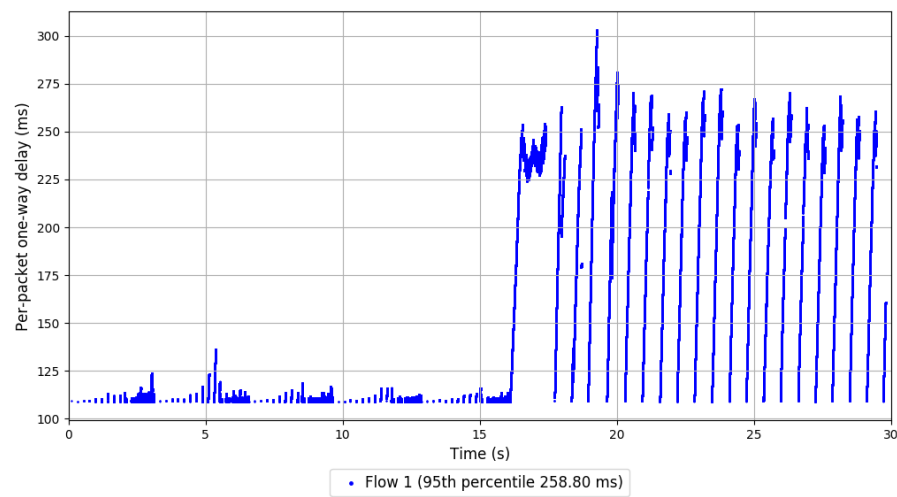
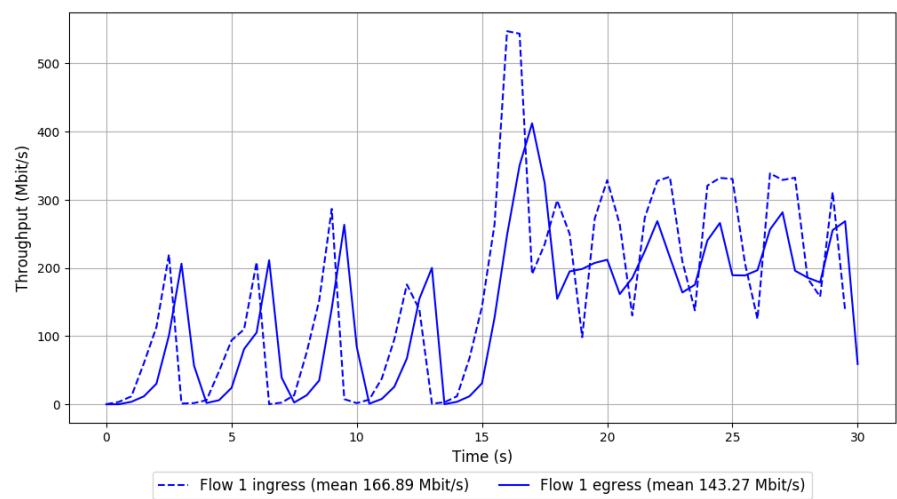


Run 1: Statistics of Verus

Start at: 2019-02-11 10:53:29
End at: 2019-02-11 10:53:59
Local clock offset: 10.971 ms
Remote clock offset: 13.661 ms

Below is generated by plot.py at 2019-02-11 15:15:57
Datalink statistics
-- Total of 1 flow:
Average throughput: 143.27 Mbit/s
95th percentile per-packet one-way delay: 258.796 ms
Loss rate: 14.15%
-- Flow 1:
Average throughput: 143.27 Mbit/s
95th percentile per-packet one-way delay: 258.796 ms
Loss rate: 14.15%

Run 1: Report of Verus — Data Link

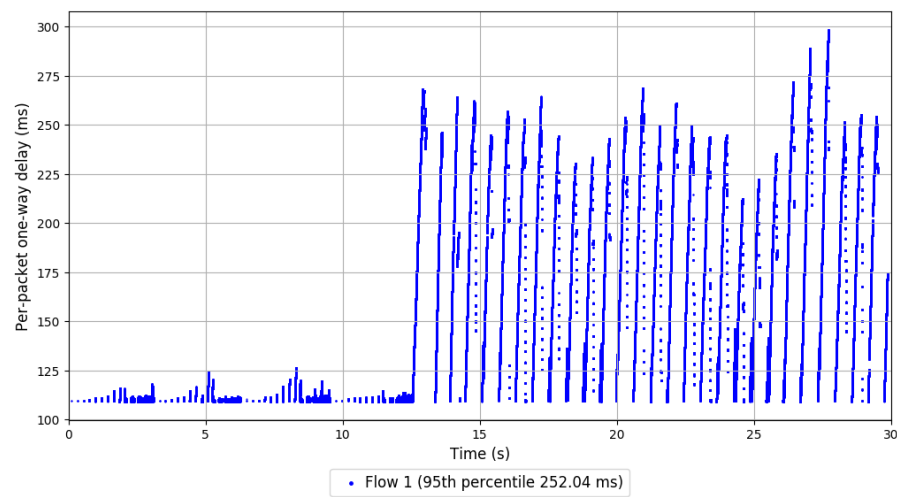
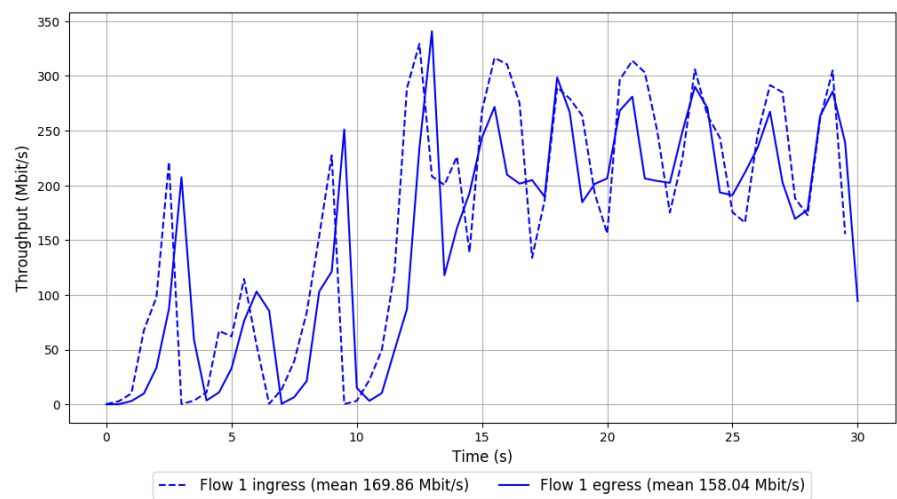


Run 2: Statistics of Verus

Start at: 2019-02-11 11:25:49
End at: 2019-02-11 11:26:19
Local clock offset: 18.078 ms
Remote clock offset: 25.223 ms

Below is generated by plot.py at 2019-02-11 15:15:57
Datalink statistics
-- Total of 1 flow:
Average throughput: 158.04 Mbit/s
95th percentile per-packet one-way delay: 252.044 ms
Loss rate: 6.95%
-- Flow 1:
Average throughput: 158.04 Mbit/s
95th percentile per-packet one-way delay: 252.044 ms
Loss rate: 6.95%

Run 2: Report of Verus — Data Link

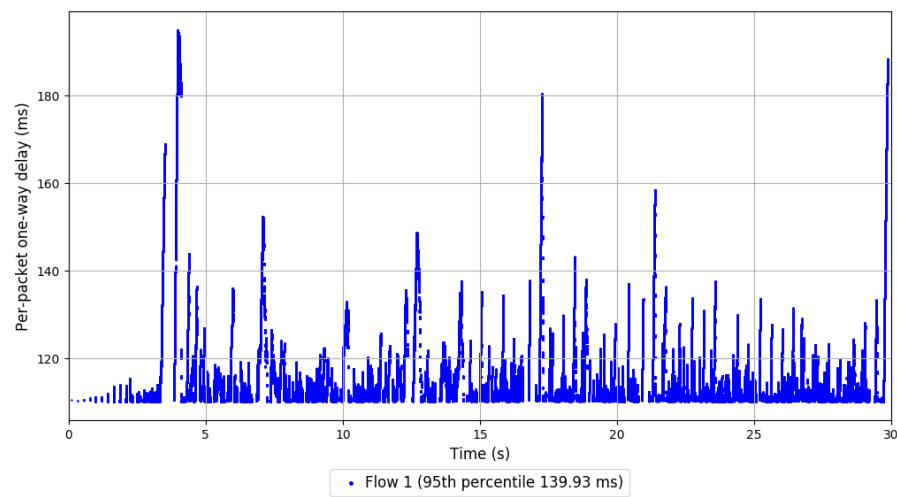
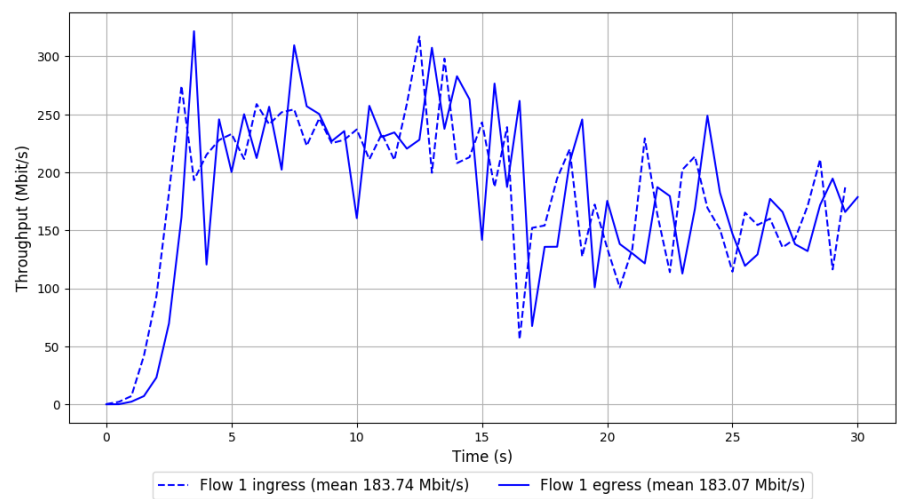


Run 3: Statistics of Verus

Start at: 2019-02-11 11:58:14
End at: 2019-02-11 11:58:44
Local clock offset: 10.99 ms
Remote clock offset: 16.203 ms

Below is generated by plot.py at 2019-02-11 15:15:57
Datalink statistics
-- Total of 1 flow:
Average throughput: 183.07 Mbit/s
95th percentile per-packet one-way delay: 139.926 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 183.07 Mbit/s
95th percentile per-packet one-way delay: 139.926 ms
Loss rate: 0.13%

Run 3: Report of Verus — Data Link



Run 4: Statistics of Verus

Start at: 2019-02-11 12:30:19

End at: 2019-02-11 12:30:49

Local clock offset: 3.625 ms

Remote clock offset: 8.058 ms

Below is generated by plot.py at 2019-02-11 15:15:57

Datalink statistics

-- Total of 1 flow:

Average throughput: 116.34 Mbit/s

95th percentile per-packet one-way delay: 156.529 ms

Loss rate: 0.00%

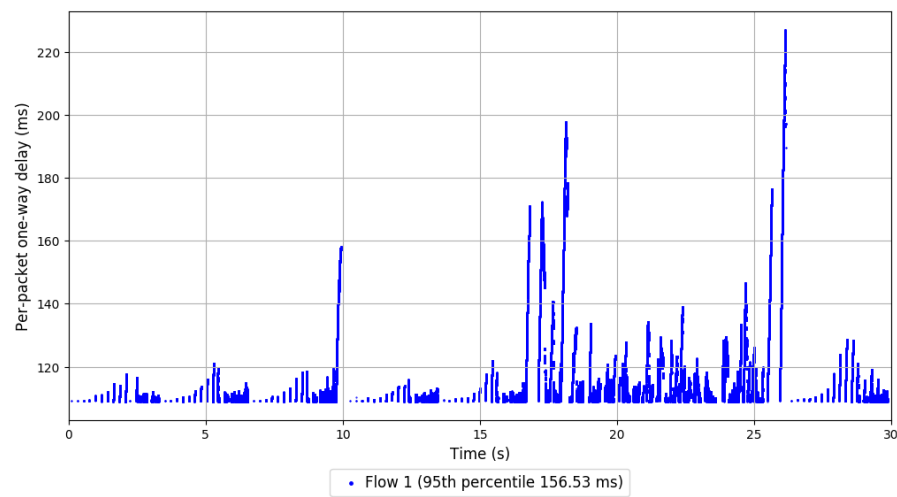
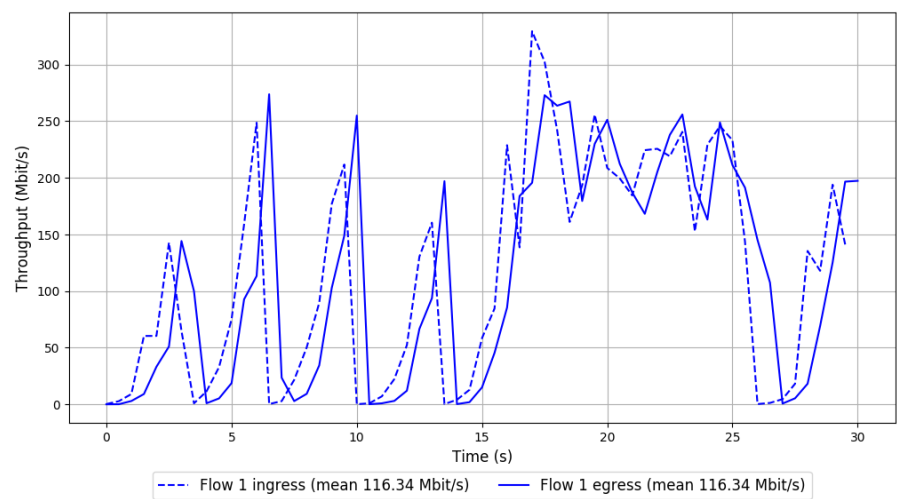
-- Flow 1:

Average throughput: 116.34 Mbit/s

95th percentile per-packet one-way delay: 156.529 ms

Loss rate: 0.00%

Run 4: Report of Verus — Data Link



Run 5: Statistics of Verus

Start at: 2019-02-11 13:02:55

End at: 2019-02-11 13:03:25

Local clock offset: 1.285 ms

Remote clock offset: 3.018 ms

Below is generated by plot.py at 2019-02-11 15:15:57

Datalink statistics

-- Total of 1 flow:

Average throughput: 99.71 Mbit/s

95th percentile per-packet one-way delay: 256.401 ms

Loss rate: 9.27%

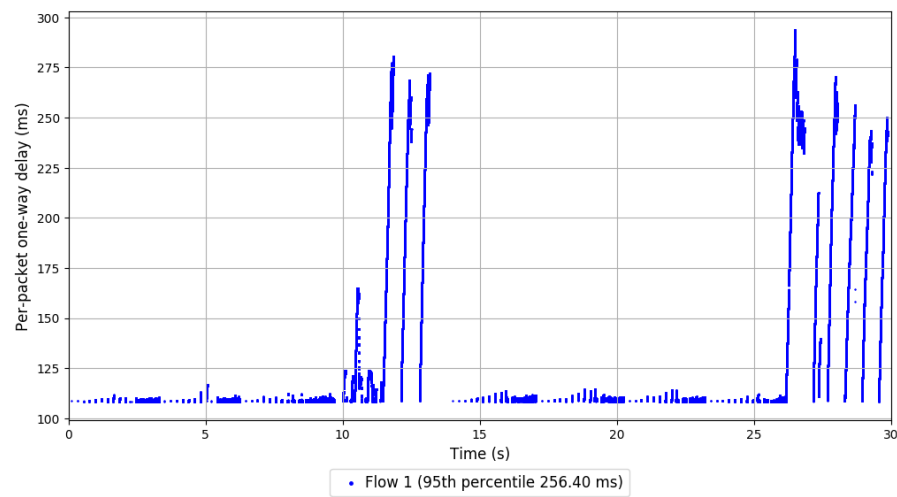
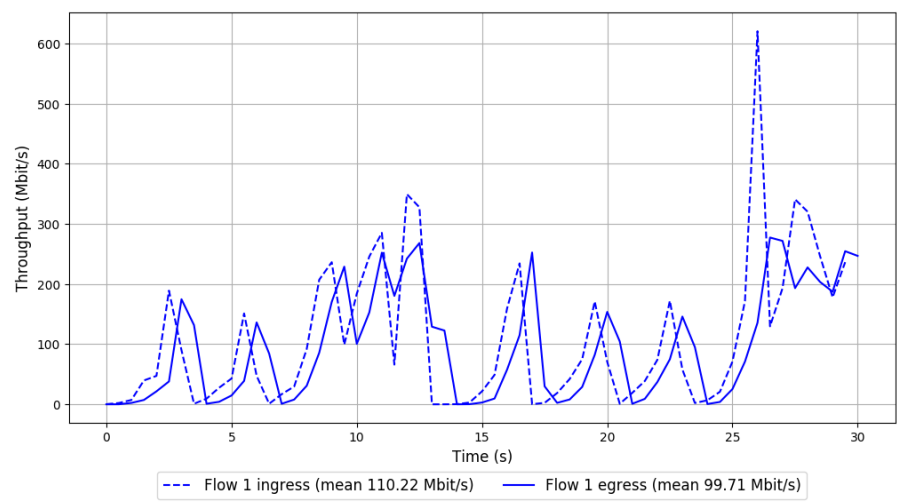
-- Flow 1:

Average throughput: 99.71 Mbit/s

95th percentile per-packet one-way delay: 256.401 ms

Loss rate: 9.27%

Run 5: Report of Verus — Data Link



Run 1: Statistics of PCC-Vivace

Start at: 2019-02-11 10:45:55

End at: 2019-02-11 10:46:25

Local clock offset: 7.32 ms

Remote clock offset: 9.46 ms

Below is generated by plot.py at 2019-02-11 15:17:50

Datalink statistics

-- Total of 1 flow:

Average throughput: 366.34 Mbit/s

95th percentile per-packet one-way delay: 119.487 ms

Loss rate: 0.00%

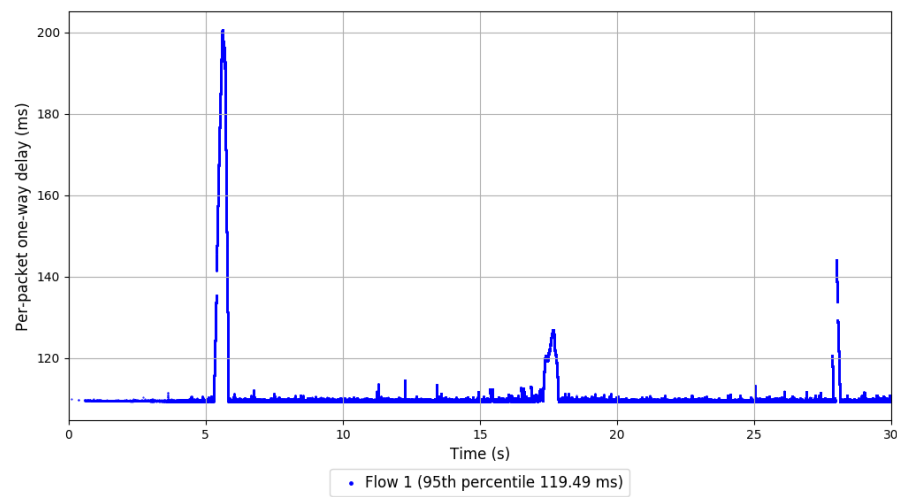
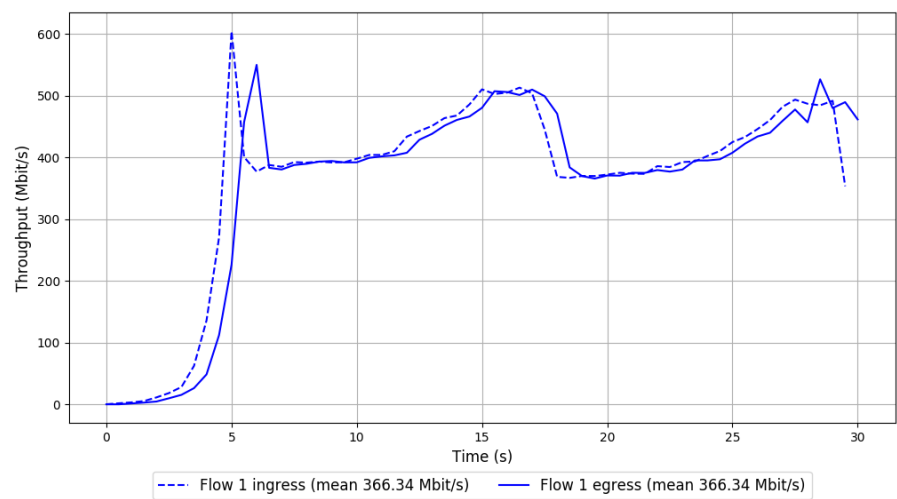
-- Flow 1:

Average throughput: 366.34 Mbit/s

95th percentile per-packet one-way delay: 119.487 ms

Loss rate: 0.00%

Run 1: Report of PCC-Vivace — Data Link

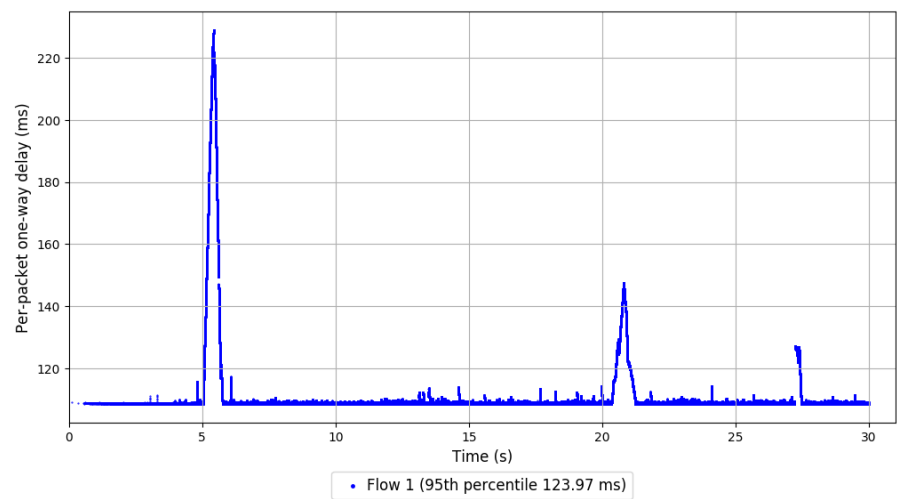
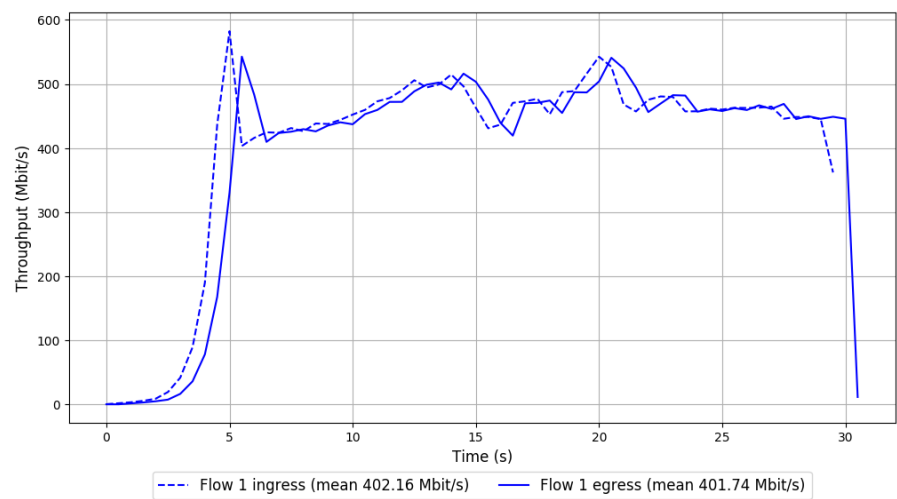


Run 2: Statistics of PCC-Vivace

Start at: 2019-02-11 11:18:12
End at: 2019-02-11 11:18:42
Local clock offset: 15.716 ms
Remote clock offset: 21.179 ms

Below is generated by plot.py at 2019-02-11 15:18:25
Datalink statistics
-- Total of 1 flow:
Average throughput: 401.74 Mbit/s
95th percentile per-packet one-way delay: 123.975 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 401.74 Mbit/s
95th percentile per-packet one-way delay: 123.975 ms
Loss rate: 0.10%

Run 2: Report of PCC-Vivace — Data Link

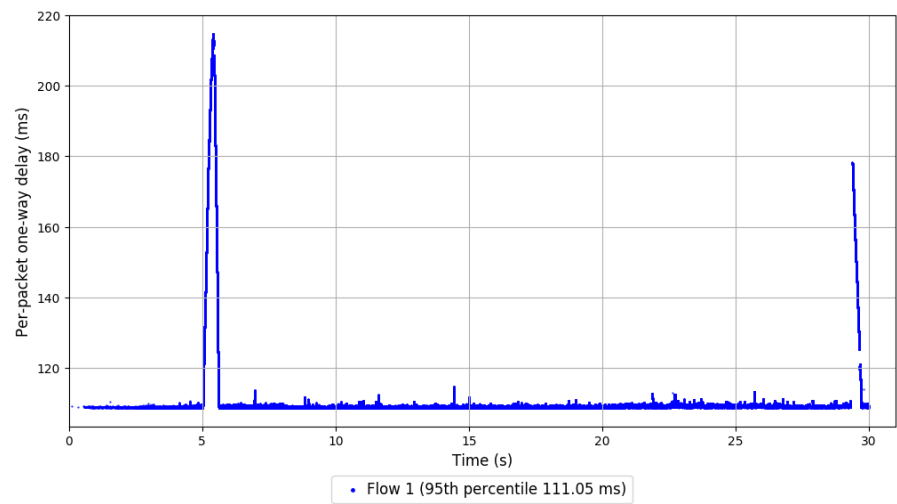
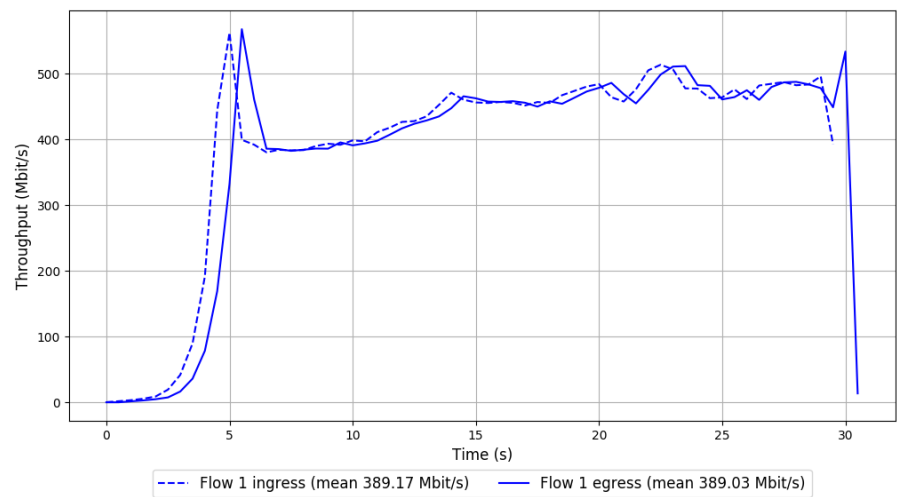


Run 3: Statistics of PCC-Vivace

Start at: 2019-02-11 11:50:32
End at: 2019-02-11 11:51:02
Local clock offset: 14.779 ms
Remote clock offset: 20.197 ms

Below is generated by plot.py at 2019-02-11 15:18:27
Datalink statistics
-- Total of 1 flow:
Average throughput: 389.03 Mbit/s
95th percentile per-packet one-way delay: 111.045 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 389.03 Mbit/s
95th percentile per-packet one-way delay: 111.045 ms
Loss rate: 0.04%

Run 3: Report of PCC-Vivace — Data Link



Run 4: Statistics of PCC-Vivace

Start at: 2019-02-11 12:22:34

End at: 2019-02-11 12:23:04

Local clock offset: 8.673 ms

Remote clock offset: 12.029 ms

Below is generated by plot.py at 2019-02-11 15:18:31

Datalink statistics

-- Total of 1 flow:

Average throughput: 384.40 Mbit/s

95th percentile per-packet one-way delay: 108.775 ms

Loss rate: 0.00%

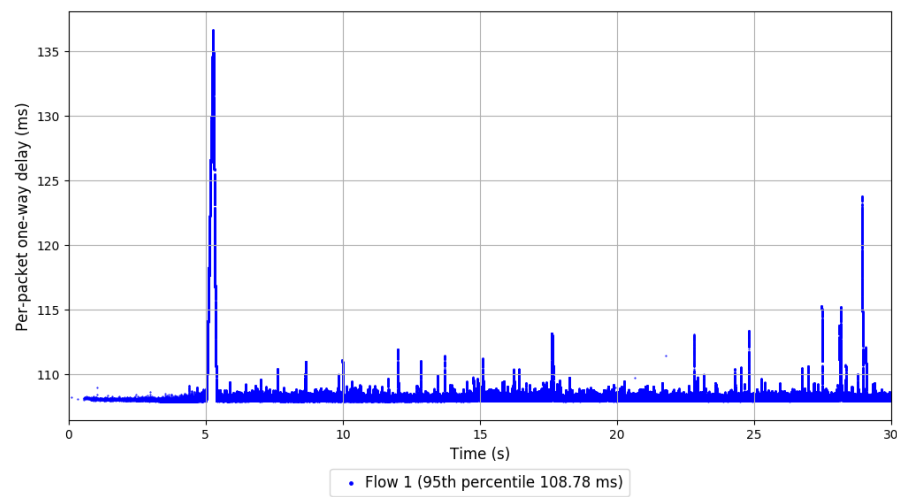
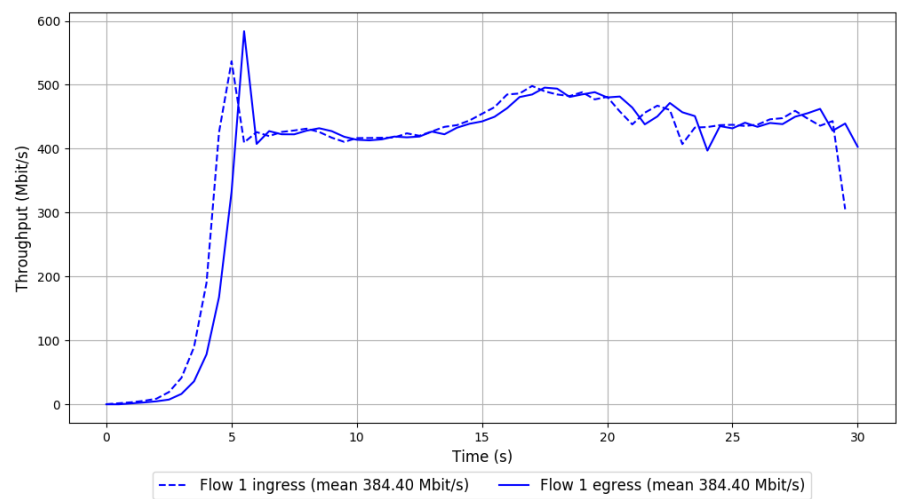
-- Flow 1:

Average throughput: 384.40 Mbit/s

95th percentile per-packet one-way delay: 108.775 ms

Loss rate: 0.00%

Run 4: Report of PCC-Vivace — Data Link



Run 5: Statistics of PCC-Vivace

Start at: 2019-02-11 12:55:04

End at: 2019-02-11 12:55:34

Local clock offset: 2.785 ms

Remote clock offset: 5.963 ms

Below is generated by plot.py at 2019-02-11 15:18:31

Datalink statistics

-- Total of 1 flow:

Average throughput: 365.84 Mbit/s

95th percentile per-packet one-way delay: 111.425 ms

Loss rate: 0.01%

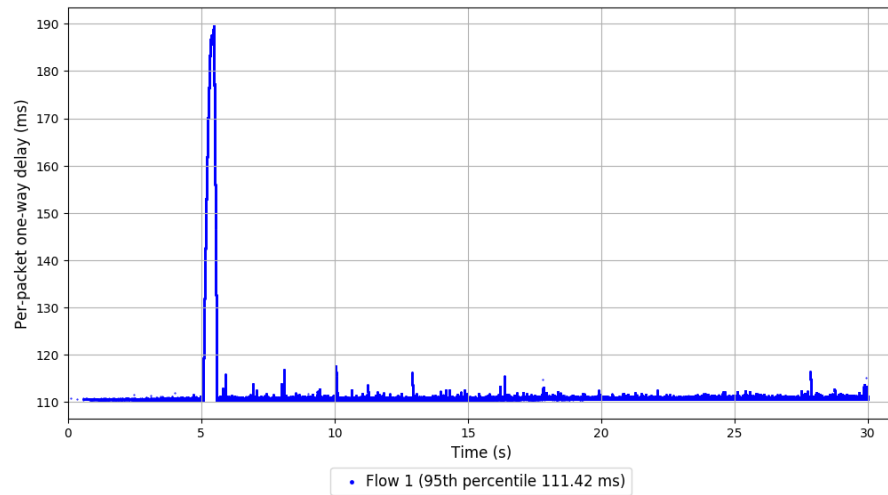
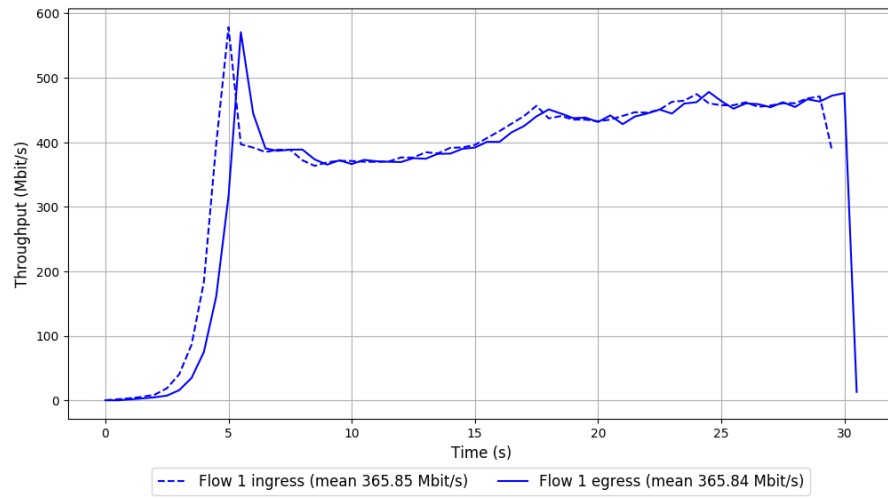
-- Flow 1:

Average throughput: 365.84 Mbit/s

95th percentile per-packet one-way delay: 111.425 ms

Loss rate: 0.01%

Run 5: Report of PCC-Vivace — Data Link

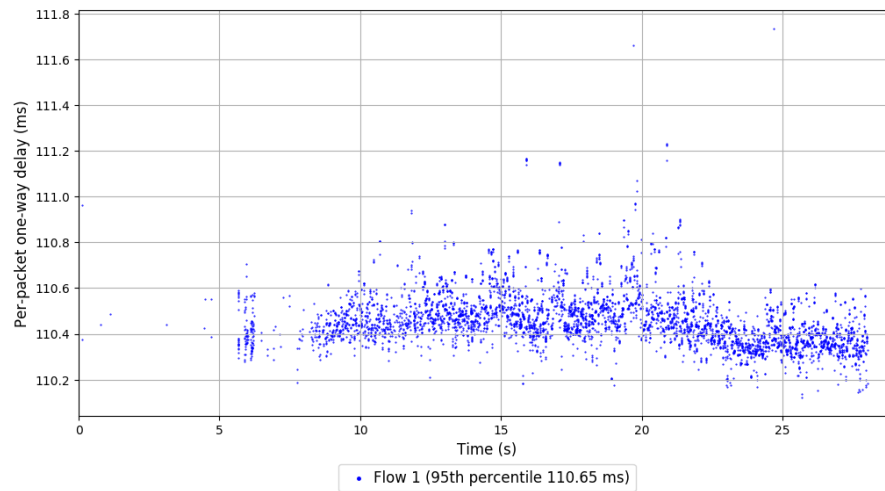
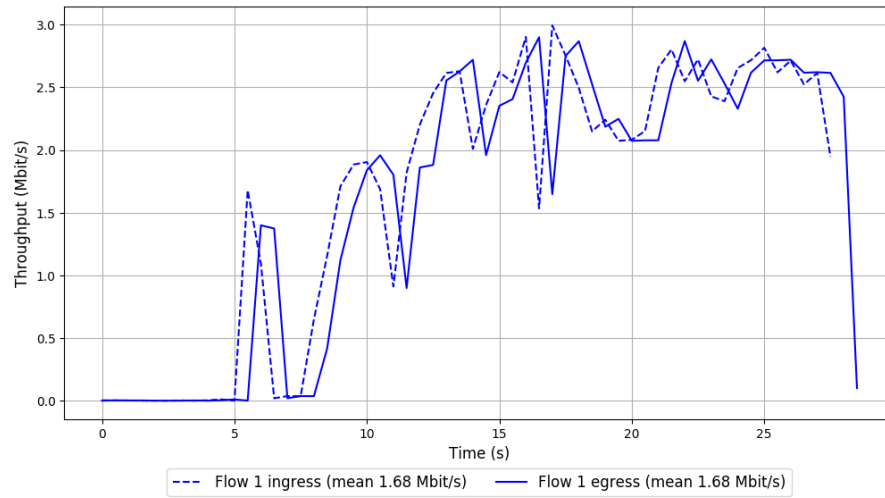


```
Run 1: Statistics of WebRTC media

Start at: 2019-02-11 10:58:24
End at: 2019-02-11 10:58:54
Local clock offset: 10.638 ms
Remote clock offset: 15.343 ms

# Below is generated by plot.py at 2019-02-11 15:18:31
# Datalink statistics
-- Total of 1 flow:
Average throughput: 1.68 Mbit/s
95th percentile per-packet one-way delay: 110.654 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 1.68 Mbit/s
95th percentile per-packet one-way delay: 110.654 ms
Loss rate: 0.00%
```

Run 1: Report of WebRTC media — Data Link

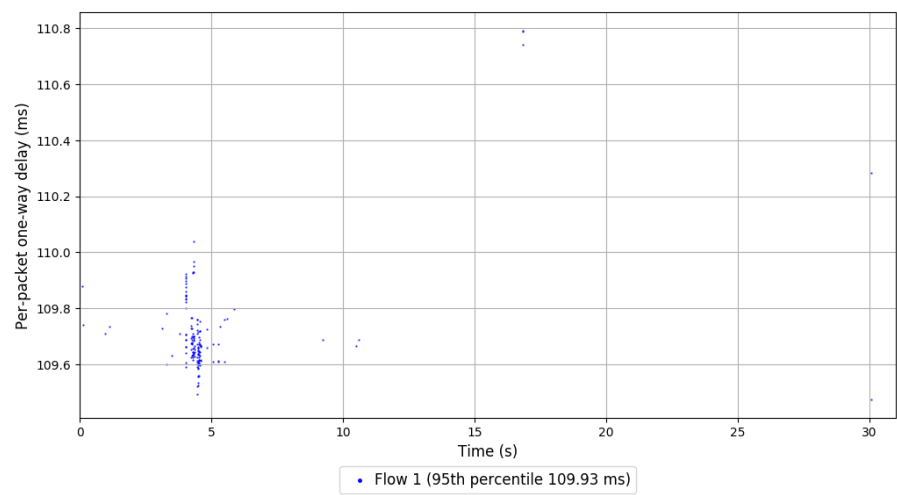
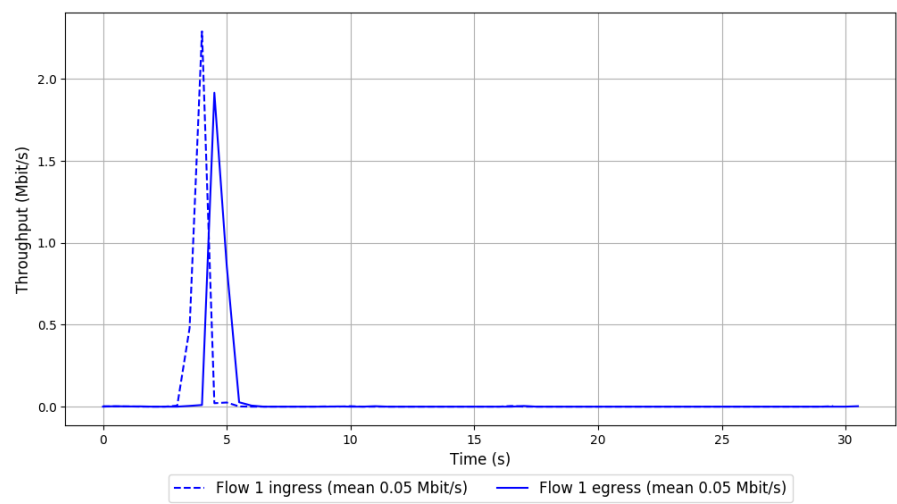


Run 2: Statistics of WebRTC media

Start at: 2019-02-11 11:30:47
End at: 2019-02-11 11:31:17
Local clock offset: 21.492 ms
Remote clock offset: 29.442 ms

Below is generated by plot.py at 2019-02-11 15:18:31
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 109.928 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 109.928 ms
Loss rate: 0.00%

Run 2: Report of WebRTC media — Data Link

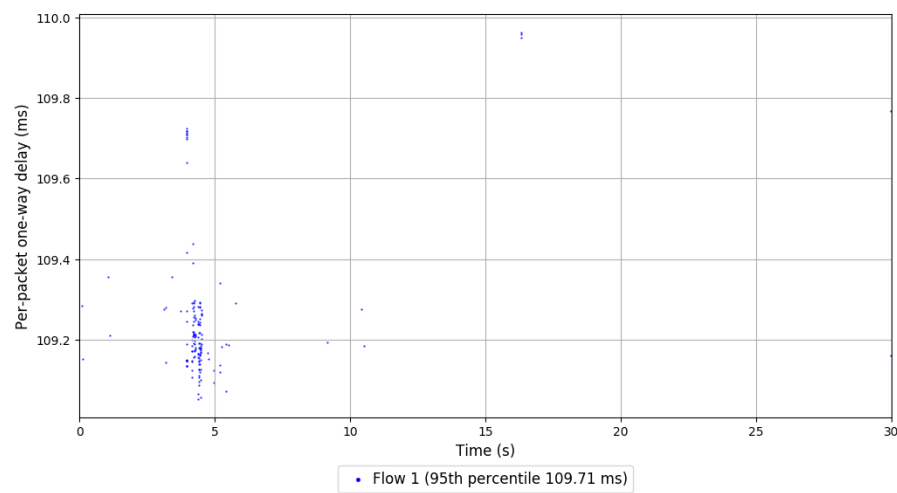
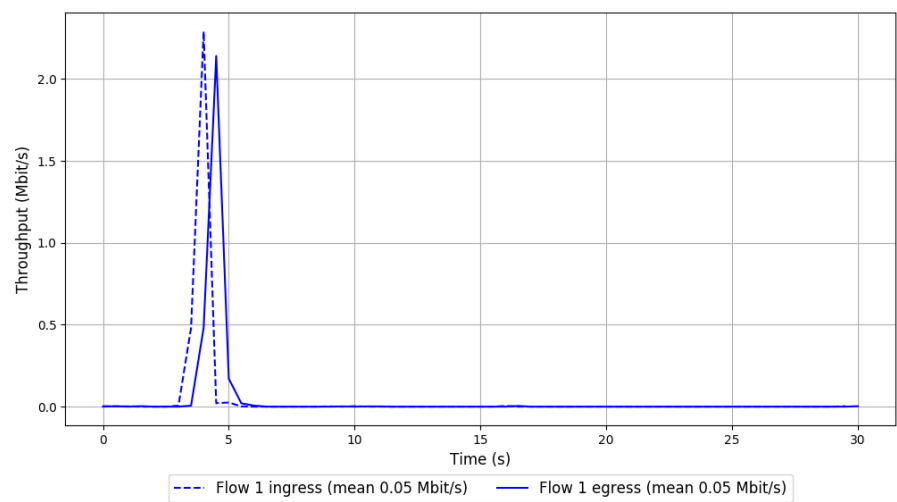


Run 3: Statistics of WebRTC media

Start at: 2019-02-11 12:03:11
End at: 2019-02-11 12:03:41
Local clock offset: 11.983 ms
Remote clock offset: 16.072 ms

Below is generated by plot.py at 2019-02-11 15:18:31
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 109.710 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 109.710 ms
Loss rate: 0.00%

Run 3: Report of WebRTC media — Data Link



Run 4: Statistics of WebRTC media

Start at: 2019-02-11 12:35:17

End at: 2019-02-11 12:35:47

Local clock offset: 2.819 ms

Remote clock offset: 7.657 ms

Below is generated by plot.py at 2019-02-11 15:18:31

Datalink statistics

-- Total of 1 flow:

Average throughput: 1.97 Mbit/s

95th percentile per-packet one-way delay: 110.293 ms

Loss rate: 0.00%

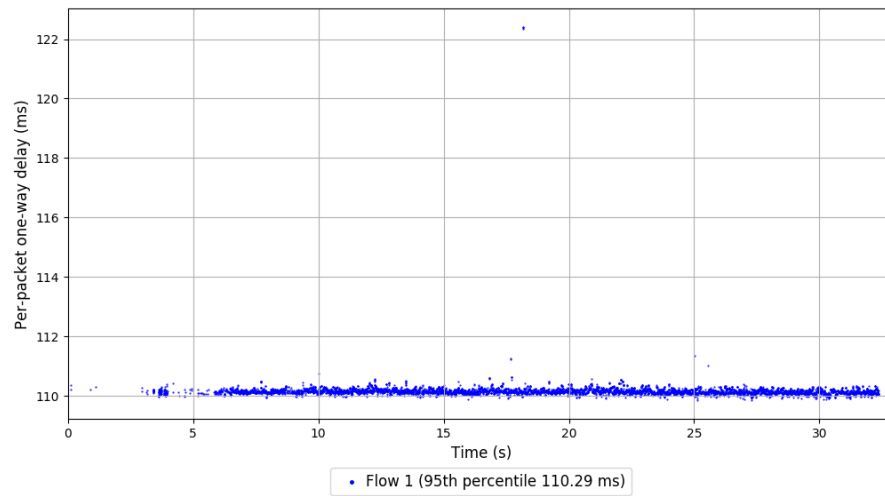
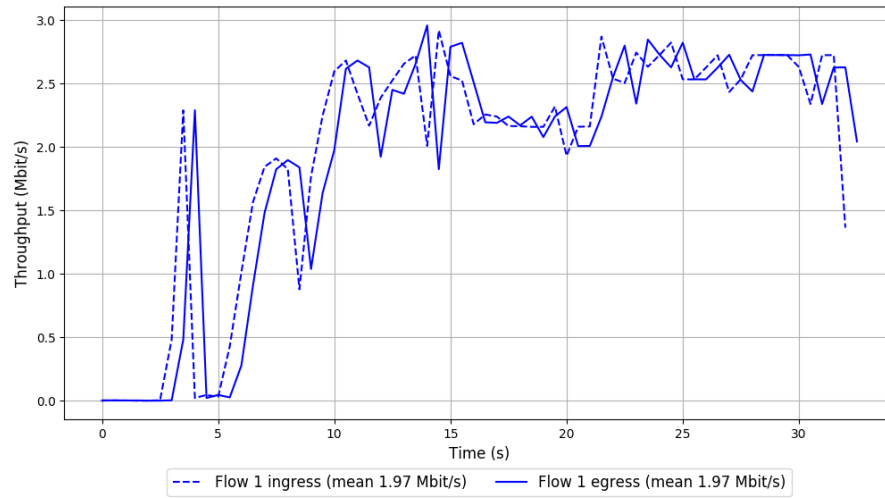
-- Flow 1:

Average throughput: 1.97 Mbit/s

95th percentile per-packet one-way delay: 110.293 ms

Loss rate: 0.00%

Run 4: Report of WebRTC media — Data Link



Run 5: Statistics of WebRTC media

Start at: 2019-02-11 13:07:44

End at: 2019-02-11 13:08:14

Local clock offset: 0.374 ms

Remote clock offset: 2.315 ms

Below is generated by plot.py at 2019-02-11 15:18:31

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.05 Mbit/s

95th percentile per-packet one-way delay: 110.100 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 0.05 Mbit/s

95th percentile per-packet one-way delay: 110.100 ms

Loss rate: 0.00%

Run 5: Report of WebRTC media — Data Link

