

Pantheon Report

Generated at 2019-02-20 11:25:10 (UTC).

Data path: GCE Iowa on *ens4 (local)* → GCE Tokyo 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:

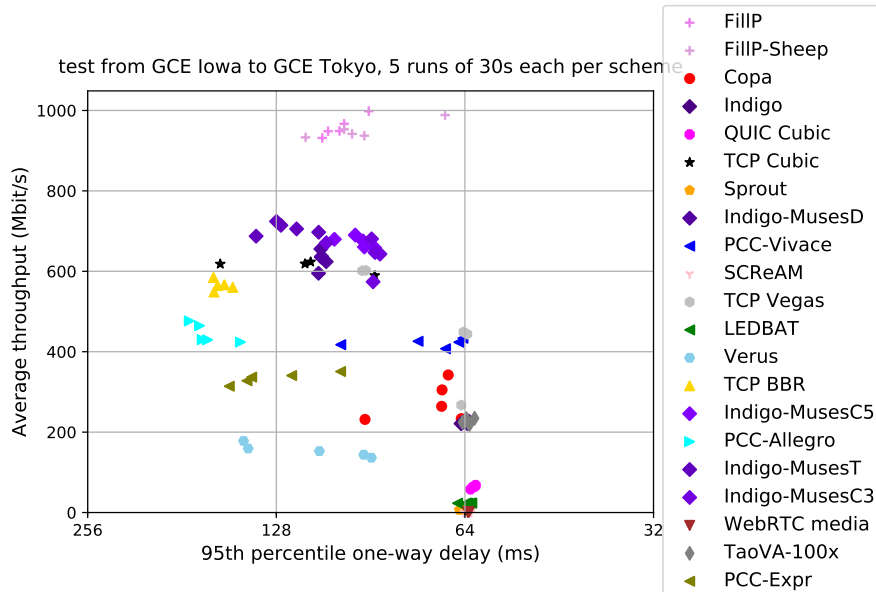
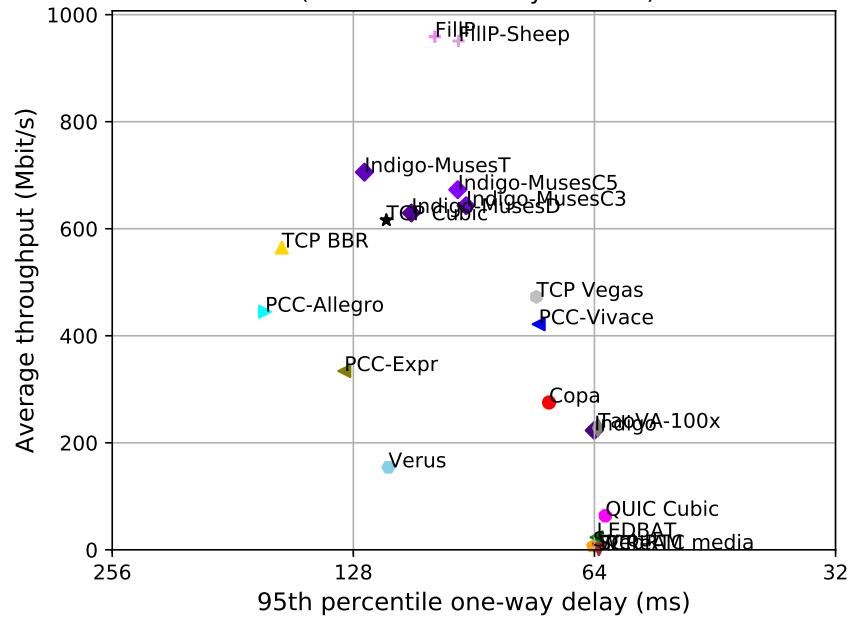
```
Linux 4.15.0-1026-gcp
net.core.default_qdisc = fq
net.core.rmem_default = 16777216
net.core.rmem_max = 536870912
net.core.wmem_default = 16777216
net.core.wmem_max = 536870912
net.ipv4.tcp_rmem = 4096 16777216 536870912
net.ipv4.tcp_wmem = 4096 16777216 536870912
```

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 Iowa to GCE Tokyo, 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	564.84	157.22	1.01
Copa	5	275.31	72.93	0.00
TCP Cubic	5	615.97	116.41	0.15
FillP	5	958.78	101.26	0.37
FillP-Sheep	5	950.76	94.60	0.39
Indigo	4	223.08	64.03	0.00
Indigo-MusesC3	5	643.06	92.57	0.10
Indigo-MusesC5	5	672.93	94.81	0.07
Indigo-MusesD	5	629.35	108.33	0.07
Indigo-MusesT	5	705.69	123.99	0.11
LEDBAT	5	23.41	63.61	0.00
PCC-Allegro	5	444.94	164.94	1.09
PCC-Expr	5	334.04	131.38	0.53
QUIC Cubic	4	63.59	62.03	0.00
SCReAM	5	0.22	63.30	0.00
Sprout	5	6.71	64.28	0.00
TaoVA-100x	5	228.05	63.37	0.00
TCP Vegas	5	472.72	75.62	0.02
Verus	5	154.13	115.73	0.61
PCC-Vivace	5	421.60	75.14	0.02
WebRTC media	4	1.04	63.18	0.00

Run 1: Statistics of TCP BBR

Start at: 2019-02-20 06:41:23

End at: 2019-02-20 06:41:53

Local clock offset: 0.043 ms

Remote clock offset: -0.376 ms

Below is generated by plot.py at 2019-02-20 09:40:13

Datalink statistics

-- Total of 1 flow:

Average throughput: 548.49 Mbit/s

95th percentile per-packet one-way delay: 160.898 ms

Loss rate: 1.44%

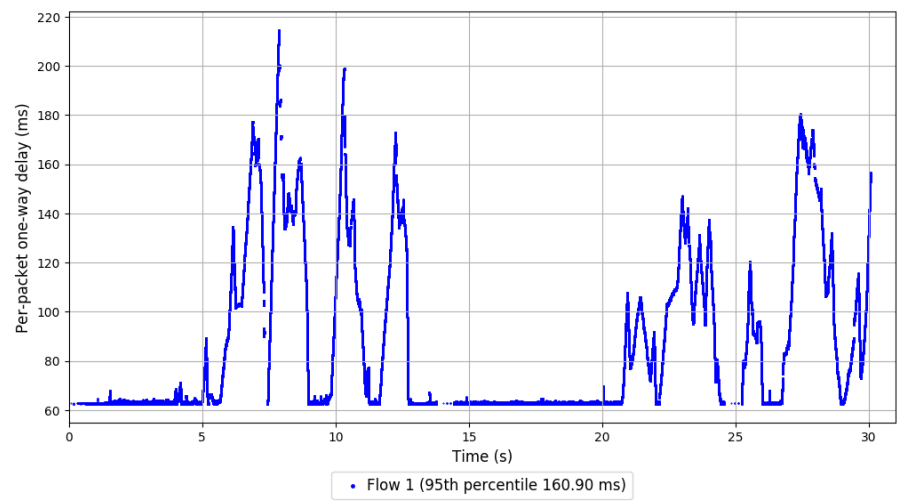
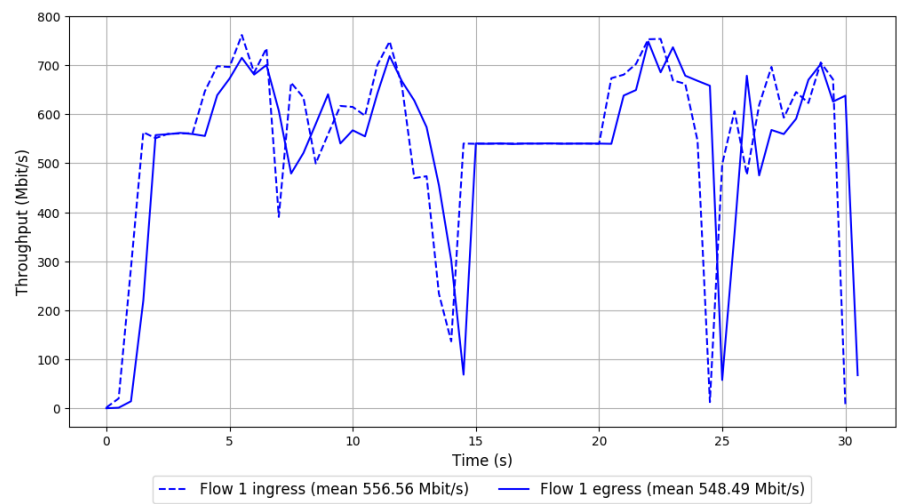
-- Flow 1:

Average throughput: 548.49 Mbit/s

95th percentile per-packet one-way delay: 160.898 ms

Loss rate: 1.44%

Run 1: Report of TCP BBR — Data Link



Run 2: Statistics of TCP BBR

Start at: 2019-02-20 07:12:56

End at: 2019-02-20 07:13:26

Local clock offset: 0.036 ms

Remote clock offset: -0.338 ms

Below is generated by plot.py at 2019-02-20 09:40:28

Datalink statistics

-- Total of 1 flow:

Average throughput: 564.46 Mbit/s

95th percentile per-packet one-way delay: 158.849 ms

Loss rate: 0.82%

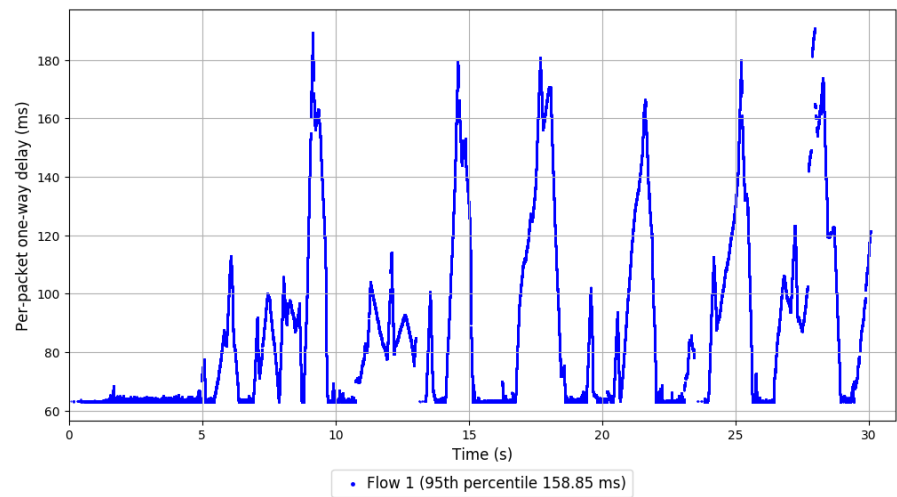
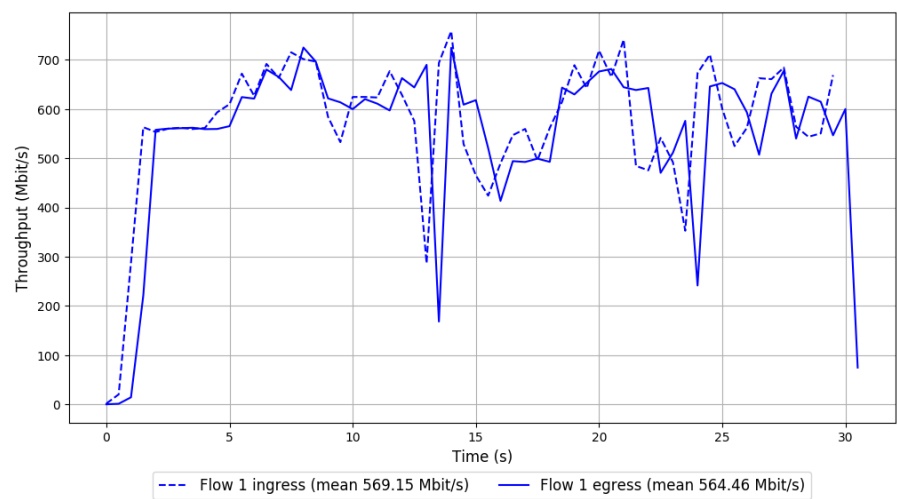
-- Flow 1:

Average throughput: 564.46 Mbit/s

95th percentile per-packet one-way delay: 158.849 ms

Loss rate: 0.82%

Run 2: Report of TCP BBR — Data Link



Run 3: Statistics of TCP BBR

Start at: 2019-02-20 07:44:12

End at: 2019-02-20 07:44:42

Local clock offset: -0.046 ms

Remote clock offset: -0.22 ms

Below is generated by plot.py at 2019-02-20 09:40:28

Datalink statistics

-- Total of 1 flow:

Average throughput: 566.40 Mbit/s

95th percentile per-packet one-way delay: 154.914 ms

Loss rate: 0.82%

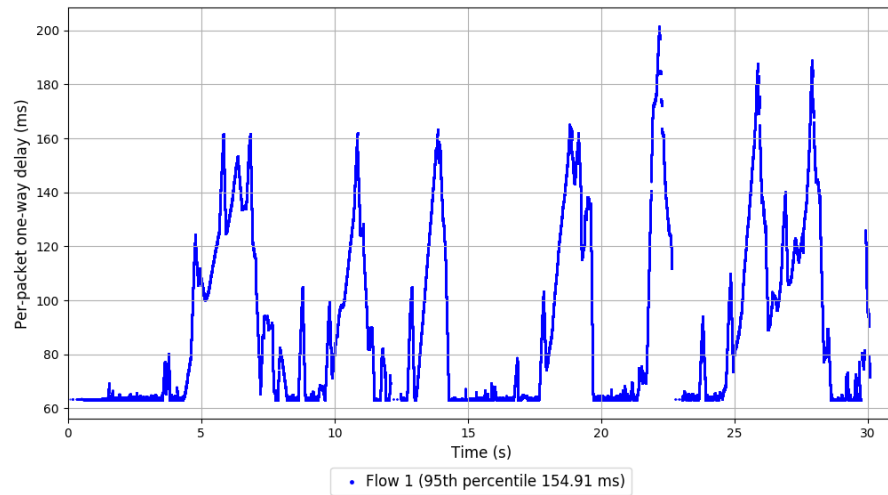
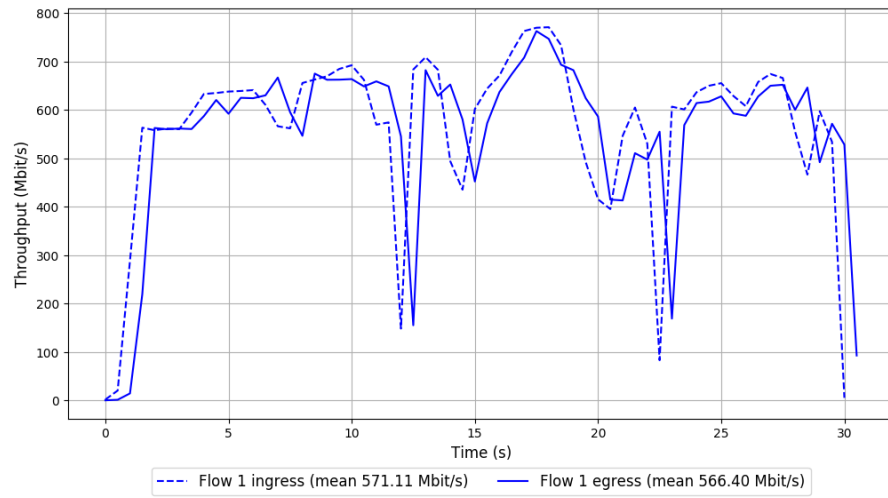
-- Flow 1:

Average throughput: 566.40 Mbit/s

95th percentile per-packet one-way delay: 154.914 ms

Loss rate: 0.82%

Run 3: Report of TCP BBR — Data Link

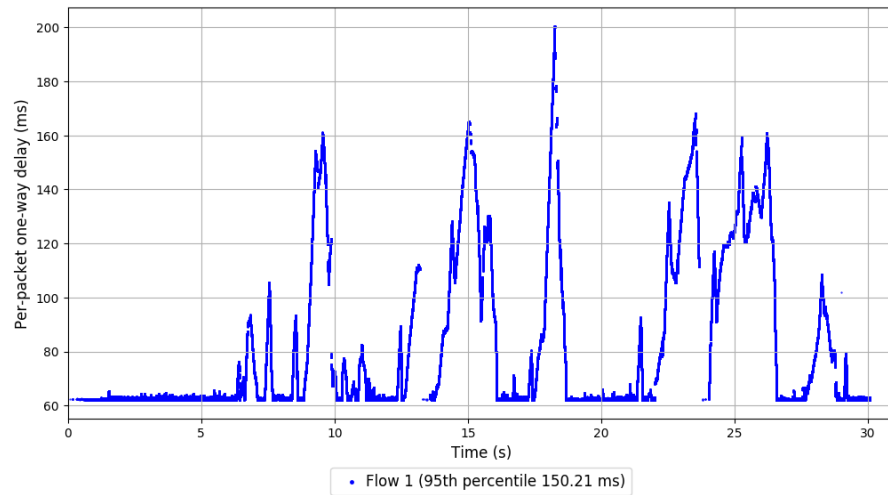
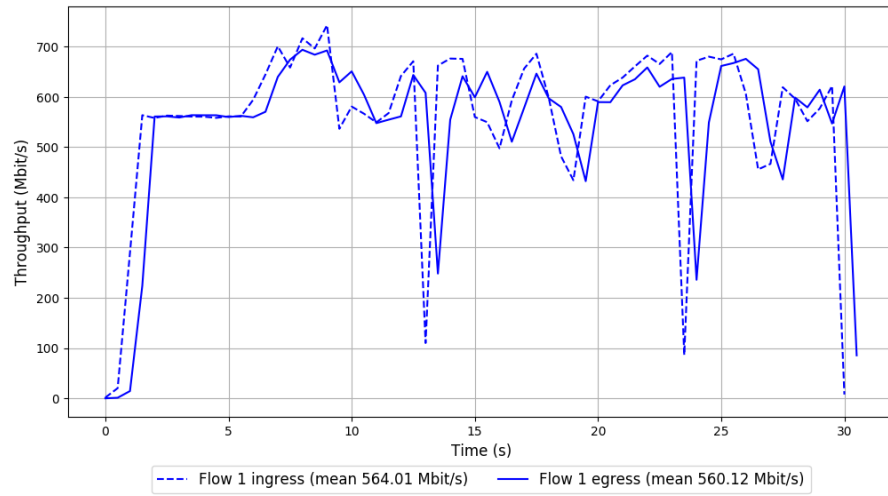


Run 4: Statistics of TCP BBR

Start at: 2019-02-20 08:15:48
End at: 2019-02-20 08:16:18
Local clock offset: -0.109 ms
Remote clock offset: -0.878 ms

Below is generated by plot.py at 2019-02-20 09:40:28
Datalink statistics
-- Total of 1 flow:
Average throughput: 560.12 Mbit/s
95th percentile per-packet one-way delay: 150.211 ms
Loss rate: 0.69%
-- Flow 1:
Average throughput: 560.12 Mbit/s
95th percentile per-packet one-way delay: 150.211 ms
Loss rate: 0.69%

Run 4: Report of TCP BBR — Data Link

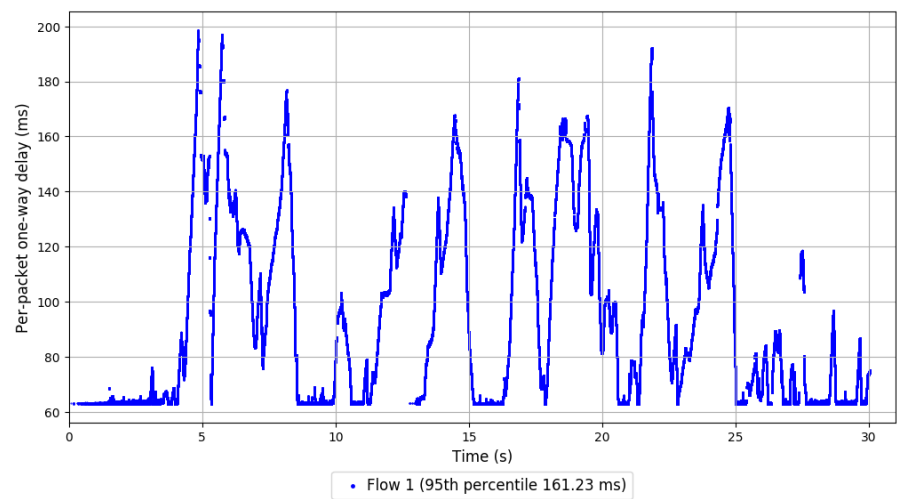
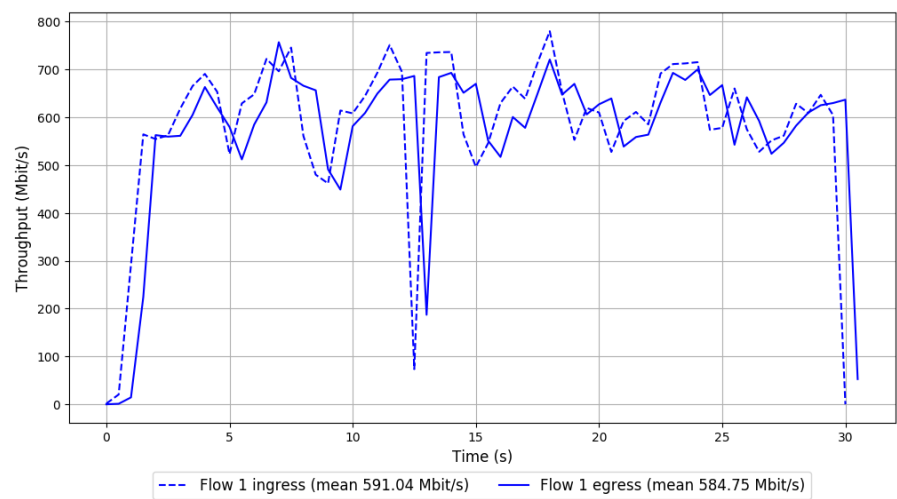


Run 5: Statistics of TCP BBR

Start at: 2019-02-20 08:47:02
End at: 2019-02-20 08:47:32
Local clock offset: -0.126 ms
Remote clock offset: -0.005 ms

Below is generated by plot.py at 2019-02-20 09:40:43
Datalink statistics
-- Total of 1 flow:
Average throughput: 584.75 Mbit/s
95th percentile per-packet one-way delay: 161.233 ms
Loss rate: 1.26%
-- Flow 1:
Average throughput: 584.75 Mbit/s
95th percentile per-packet one-way delay: 161.233 ms
Loss rate: 1.26%

Run 5: Report of TCP BBR — Data Link

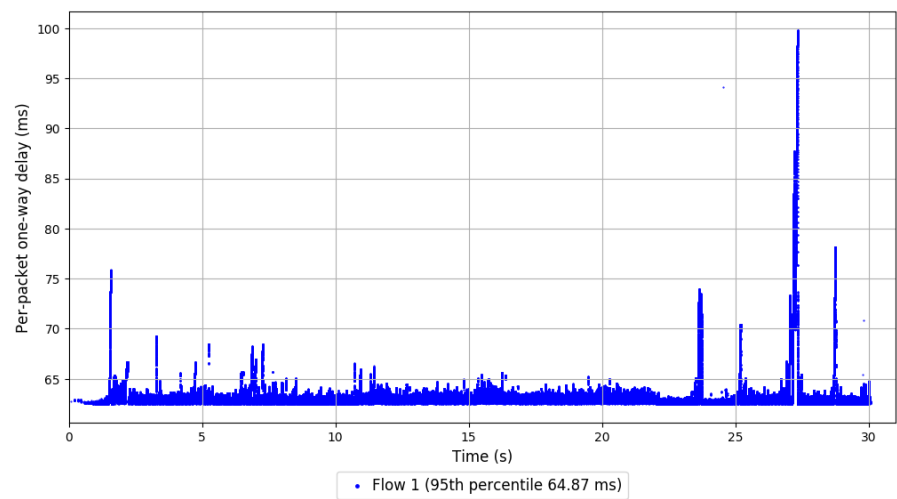
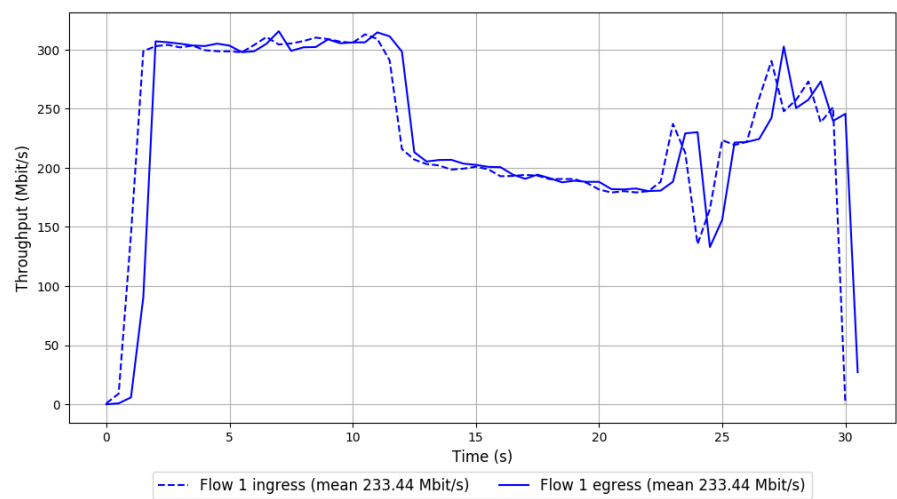


Run 1: Statistics of Copa

Start at: 2019-02-20 07:02:51
End at: 2019-02-20 07:03:21
Local clock offset: 0.081 ms
Remote clock offset: -0.247 ms

Below is generated by plot.py at 2019-02-20 09:40:43
Datalink statistics
-- Total of 1 flow:
Average throughput: 233.44 Mbit/s
95th percentile per-packet one-way delay: 64.867 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 233.44 Mbit/s
95th percentile per-packet one-way delay: 64.867 ms
Loss rate: 0.00%

Run 1: Report of Copa — Data Link



Run 2: Statistics of Copa

Start at: 2019-02-20 07:34:05

End at: 2019-02-20 07:34:36

Local clock offset: 0.061 ms

Remote clock offset: 1.109 ms

Below is generated by plot.py at 2019-02-20 09:40:44

Datalink statistics

-- Total of 1 flow:

Average throughput: 231.61 Mbit/s

95th percentile per-packet one-way delay: 92.389 ms

Loss rate: 0.00%

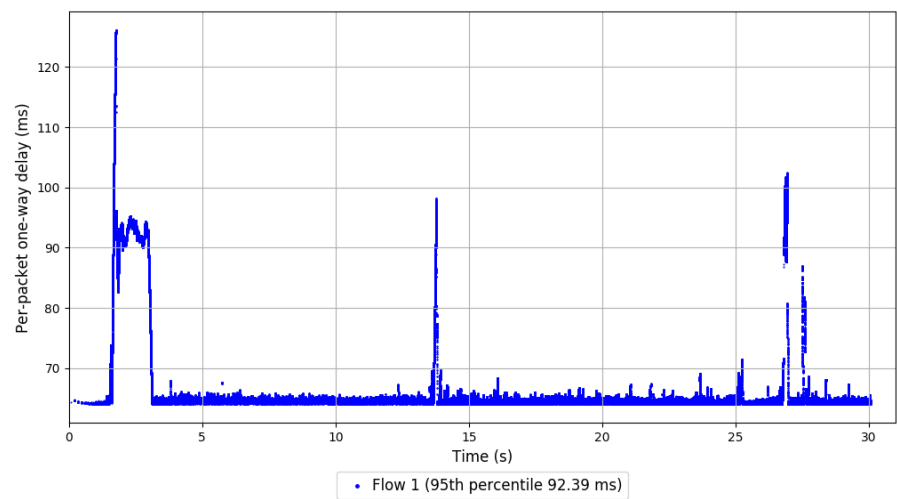
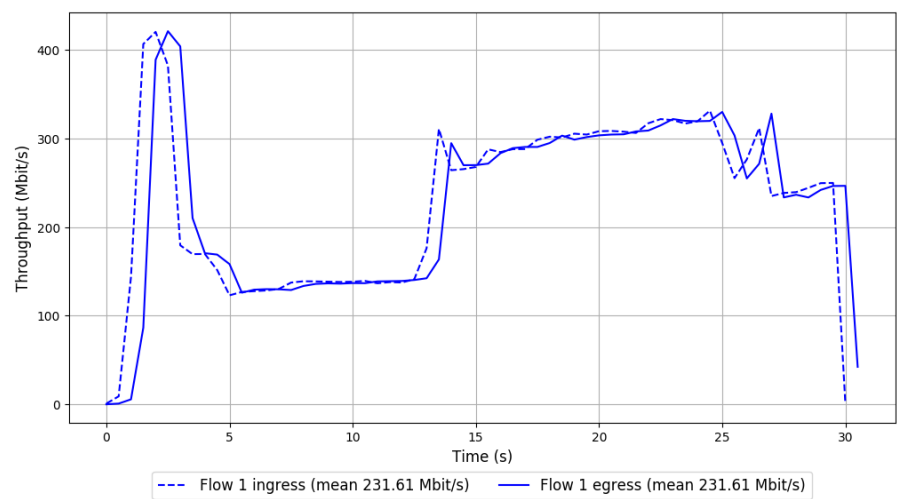
-- Flow 1:

Average throughput: 231.61 Mbit/s

95th percentile per-packet one-way delay: 92.389 ms

Loss rate: 0.00%

Run 2: Report of Copa — Data Link



Run 3: Statistics of Copa

Start at: 2019-02-20 08:05:27

End at: 2019-02-20 08:05:57

Local clock offset: -0.144 ms

Remote clock offset: 0.533 ms

Below is generated by plot.py at 2019-02-20 09:41:19

Datalink statistics

-- Total of 1 flow:

Average throughput: 342.23 Mbit/s

95th percentile per-packet one-way delay: 68.055 ms

Loss rate: 0.00%

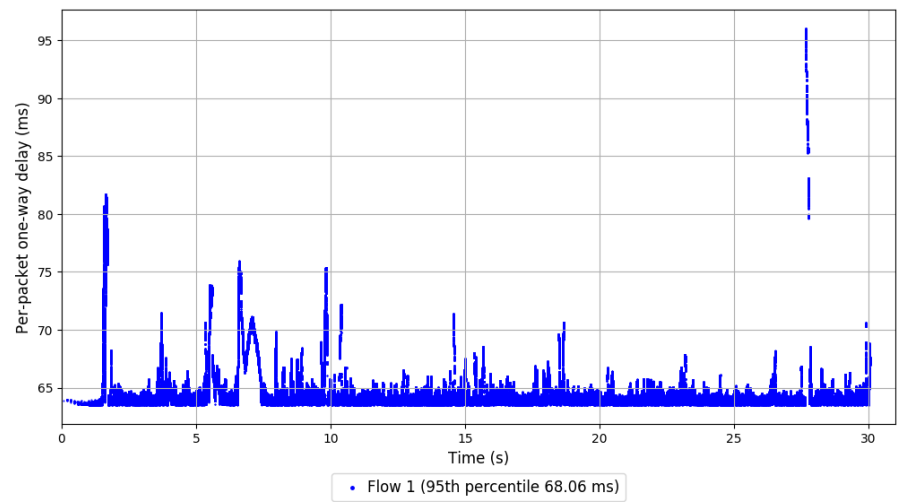
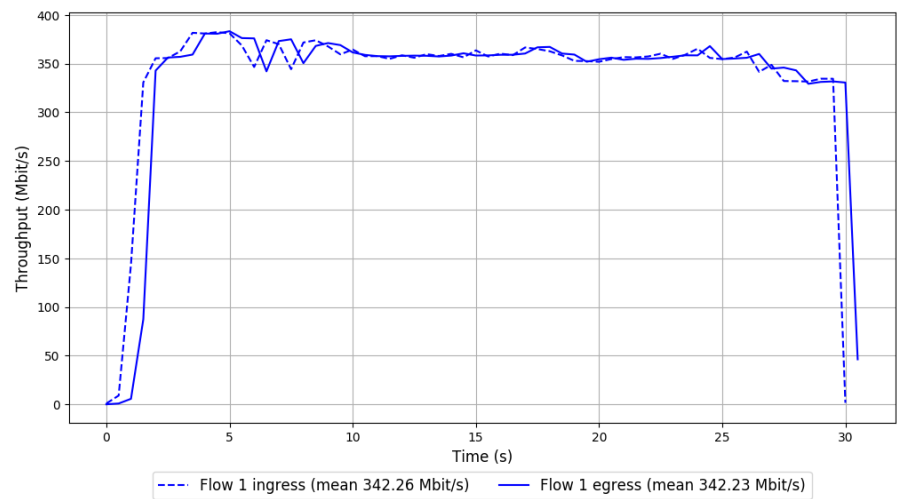
-- Flow 1:

Average throughput: 342.23 Mbit/s

95th percentile per-packet one-way delay: 68.055 ms

Loss rate: 0.00%

Run 3: Report of Copa — Data Link



Run 4: Statistics of Copa

Start at: 2019-02-20 08:36:49

End at: 2019-02-20 08:37:19

Local clock offset: -0.1 ms

Remote clock offset: 0.402 ms

Below is generated by plot.py at 2019-02-20 09:45:34

Datalink statistics

-- Total of 1 flow:

Average throughput: 264.23 Mbit/s

95th percentile per-packet one-way delay: 69.711 ms

Loss rate: 0.00%

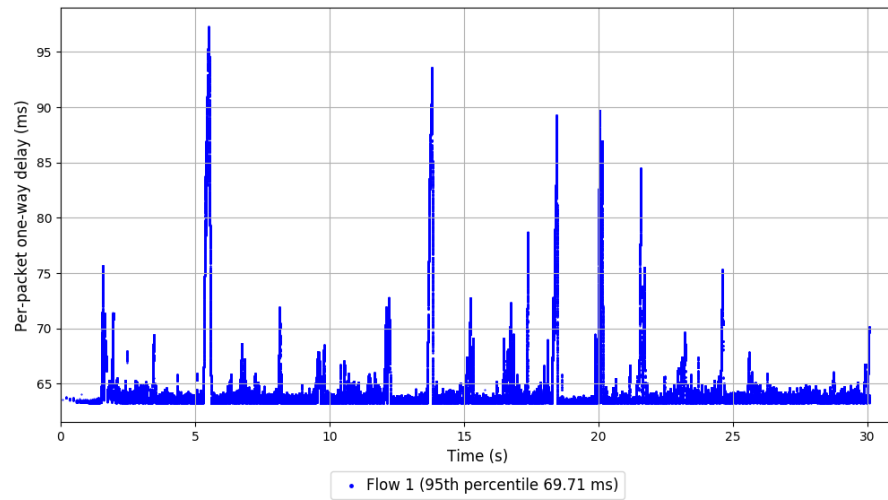
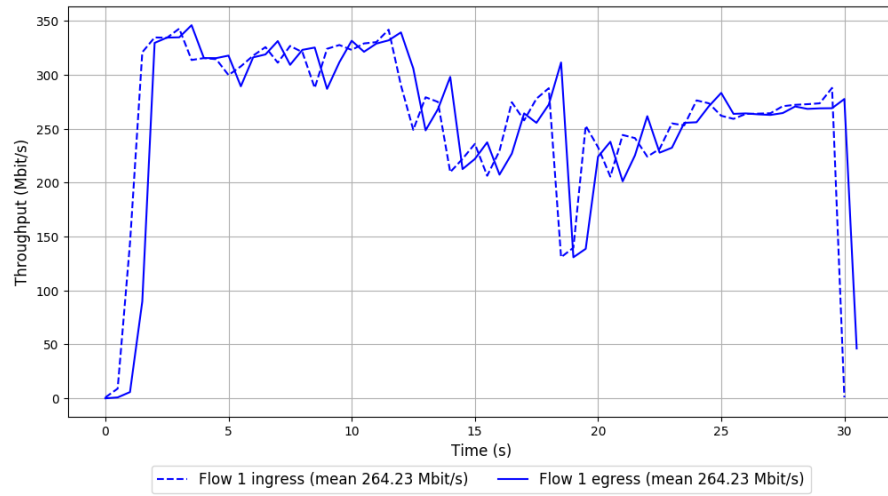
-- Flow 1:

Average throughput: 264.23 Mbit/s

95th percentile per-packet one-way delay: 69.711 ms

Loss rate: 0.00%

Run 4: Report of Copa — Data Link



Run 5: Statistics of Copa

Start at: 2019-02-20 09:08:22

End at: 2019-02-20 09:08:52

Local clock offset: -0.088 ms

Remote clock offset: -1.52 ms

Below is generated by plot.py at 2019-02-20 09:46:36

Datalink statistics

-- Total of 1 flow:

Average throughput: 305.05 Mbit/s

95th percentile per-packet one-way delay: 69.609 ms

Loss rate: 0.00%

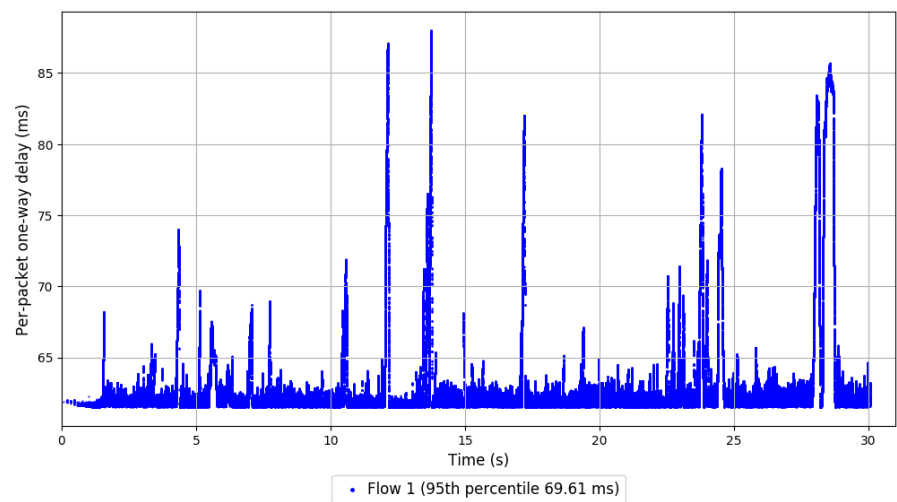
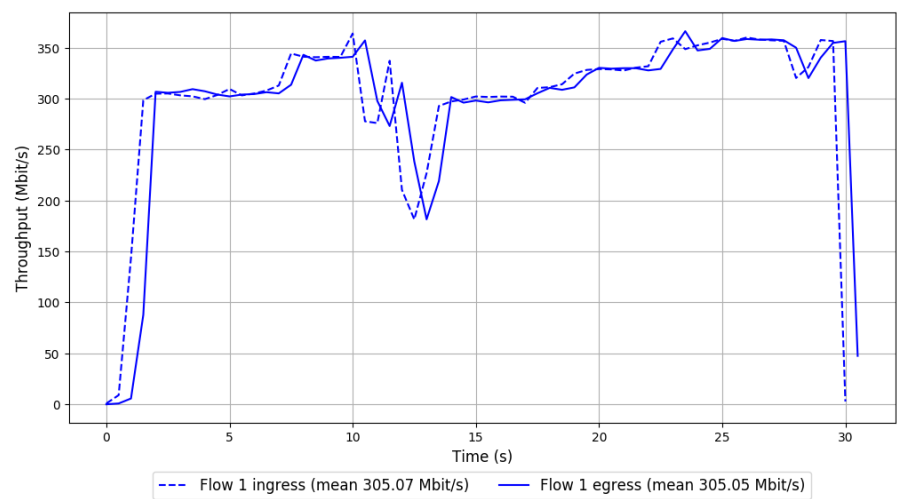
-- Flow 1:

Average throughput: 305.05 Mbit/s

95th percentile per-packet one-way delay: 69.609 ms

Loss rate: 0.00%

Run 5: Report of Copa — Data Link



Run 1: Statistics of TCP Cubic

Start at: 2019-02-20 07:05:28

End at: 2019-02-20 07:05:58

Local clock offset: 0.06 ms

Remote clock offset: 0.017 ms

Below is generated by plot.py at 2019-02-20 09:50:55

Datalink statistics

-- Total of 1 flow:

Average throughput: 623.39 Mbit/s

95th percentile per-packet one-way delay: 112.833 ms

Loss rate: 0.17%

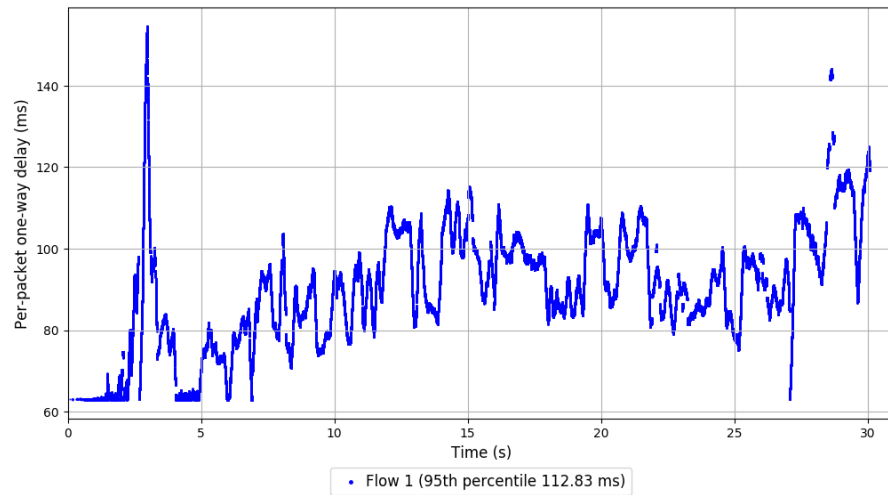
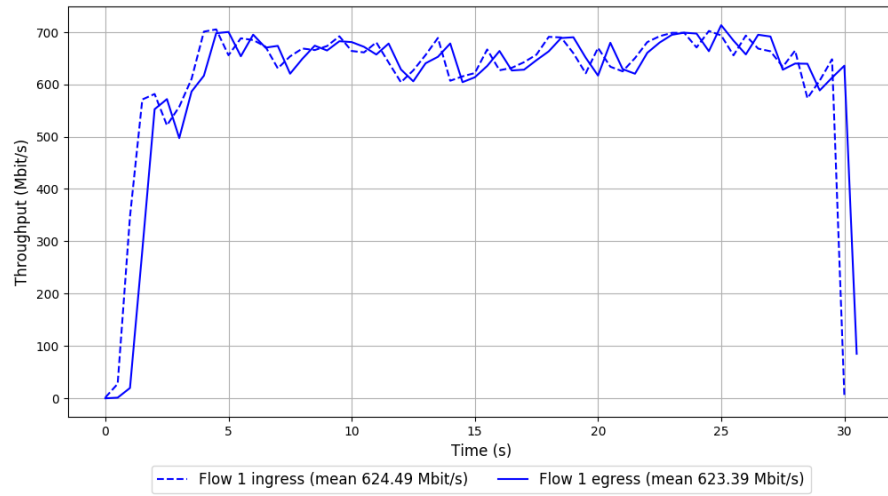
-- Flow 1:

Average throughput: 623.39 Mbit/s

95th percentile per-packet one-way delay: 112.833 ms

Loss rate: 0.17%

Run 1: Report of TCP Cubic — Data Link

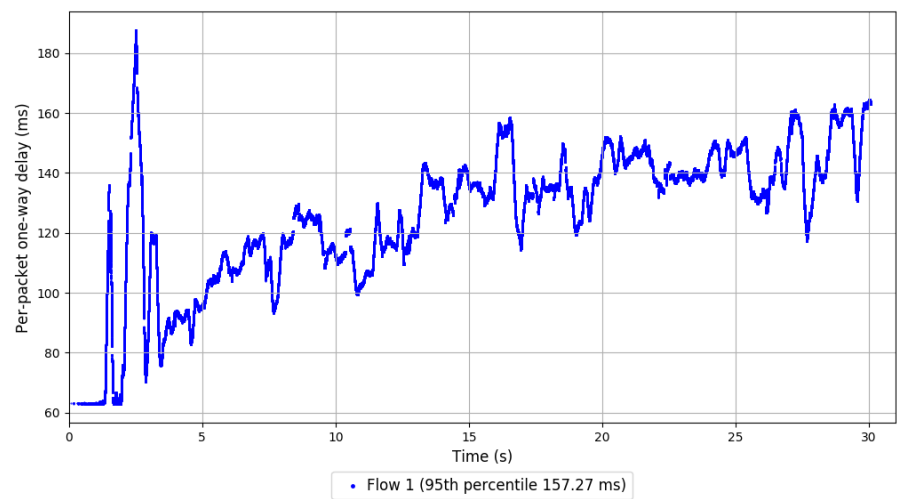
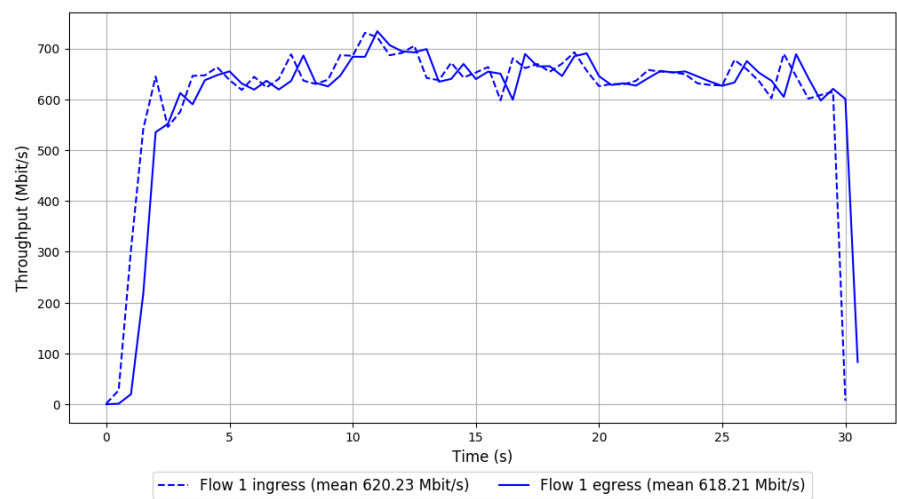


Run 2: Statistics of TCP Cubic

Start at: 2019-02-20 07:36:46
End at: 2019-02-20 07:37:16
Local clock offset: 0.076 ms
Remote clock offset: -0.205 ms

Below is generated by plot.py at 2019-02-20 09:50:55
Datalink statistics
-- Total of 1 flow:
Average throughput: 618.21 Mbit/s
95th percentile per-packet one-way delay: 157.273 ms
Loss rate: 0.32%
-- Flow 1:
Average throughput: 618.21 Mbit/s
95th percentile per-packet one-way delay: 157.273 ms
Loss rate: 0.32%

Run 2: Report of TCP Cubic — Data Link

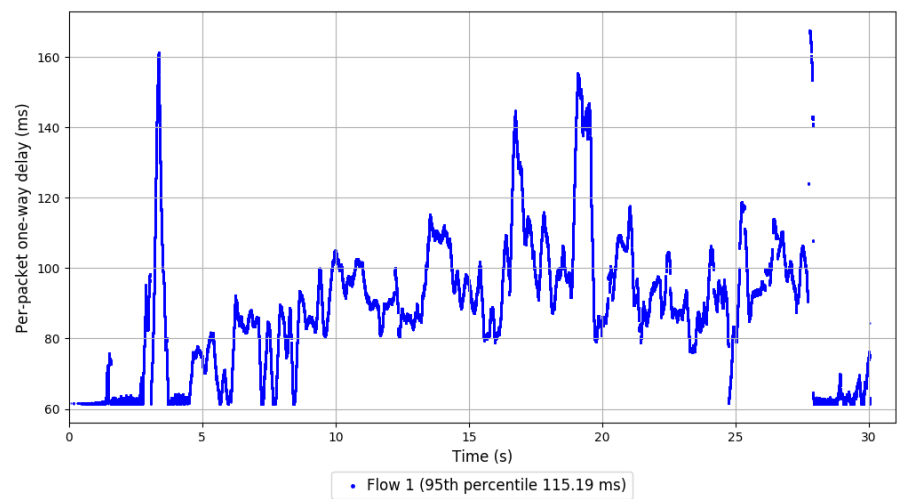
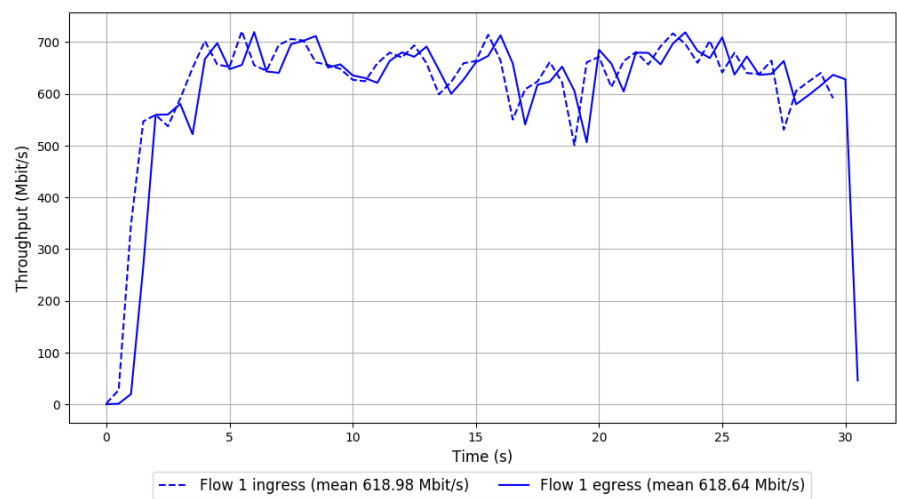


Run 3: Statistics of TCP Cubic

Start at: 2019-02-20 08:08:19
End at: 2019-02-20 08:08:49
Local clock offset: -0.15 ms
Remote clock offset: -1.498 ms

Below is generated by plot.py at 2019-02-20 09:51:05
Datalink statistics
-- Total of 1 flow:
Average throughput: 618.64 Mbit/s
95th percentile per-packet one-way delay: 115.194 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 618.64 Mbit/s
95th percentile per-packet one-way delay: 115.194 ms
Loss rate: 0.05%

Run 3: Report of TCP Cubic — Data Link

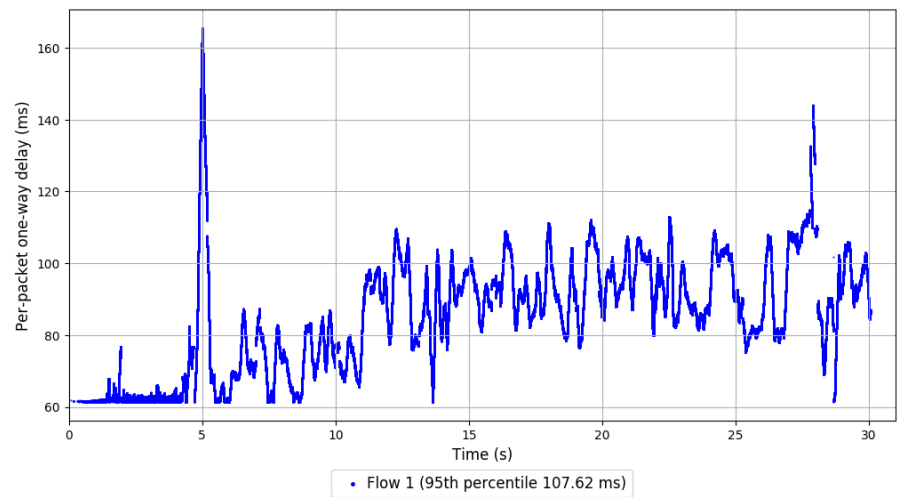
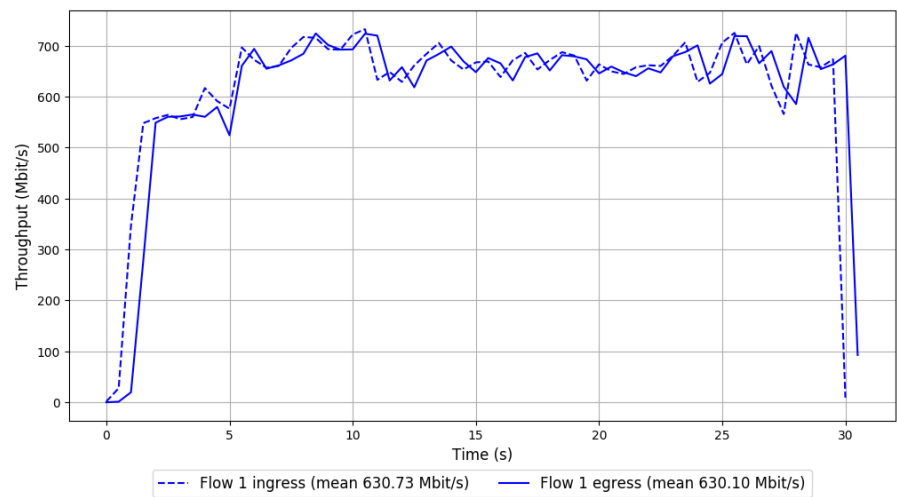


Run 4: Statistics of TCP Cubic

Start at: 2019-02-20 08:39:32
End at: 2019-02-20 08:40:02
Local clock offset: -0.081 ms
Remote clock offset: -1.452 ms

Below is generated by plot.py at 2019-02-20 09:51:14
Datalink statistics
-- Total of 1 flow:
Average throughput: 630.10 Mbit/s
95th percentile per-packet one-way delay: 107.621 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 630.10 Mbit/s
95th percentile per-packet one-way delay: 107.621 ms
Loss rate: 0.10%

Run 4: Report of TCP Cubic — Data Link

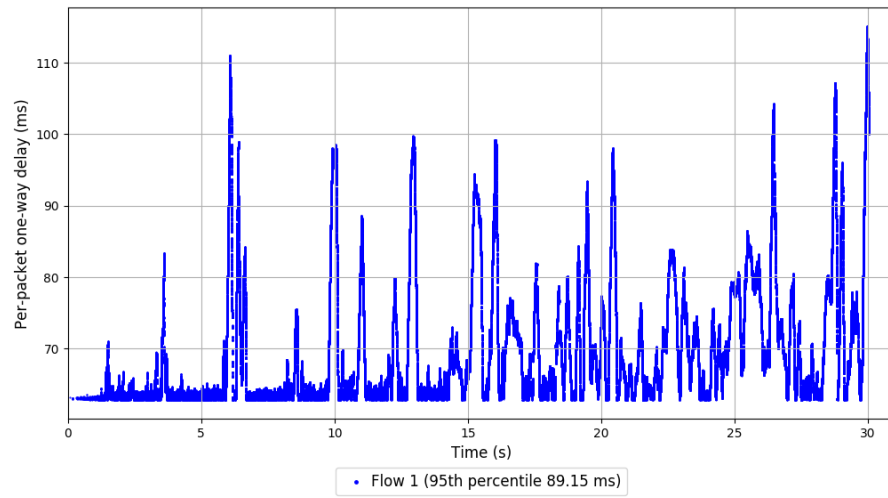
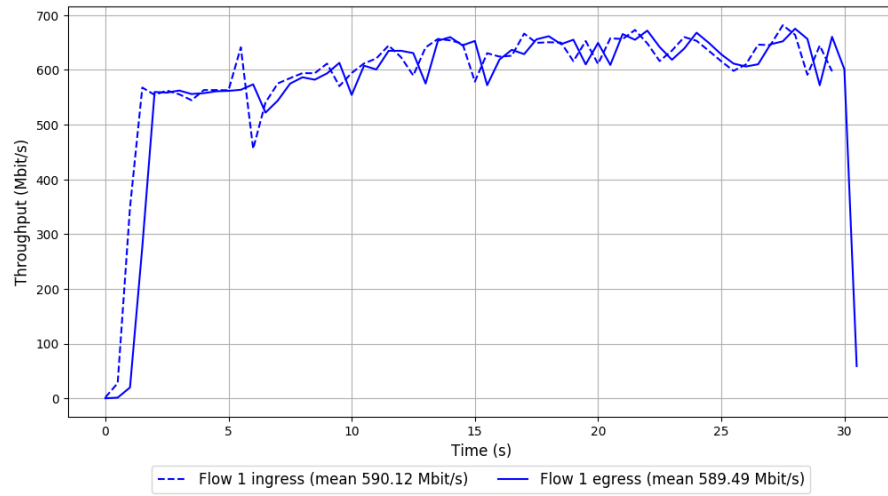


Run 5: Statistics of TCP Cubic

Start at: 2019-02-20 09:11:10
End at: 2019-02-20 09:11:40
Local clock offset: -0.053 ms
Remote clock offset: -0.124 ms

Below is generated by plot.py at 2019-02-20 09:51:14
Datalink statistics
-- Total of 1 flow:
Average throughput: 589.49 Mbit/s
95th percentile per-packet one-way delay: 89.152 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 589.49 Mbit/s
95th percentile per-packet one-way delay: 89.152 ms
Loss rate: 0.10%

Run 5: Report of TCP Cubic — Data Link



Run 1: Statistics of FillP

Start at: 2019-02-20 06:59:32

End at: 2019-02-20 07:00:02

Local clock offset: -0.021 ms

Remote clock offset: -0.76 ms

Below is generated by plot.py at 2019-02-20 10:00:02

Datalink statistics

-- Total of 1 flow:

Average throughput: 966.75 Mbit/s

95th percentile per-packet one-way delay: 99.755 ms

Loss rate: 0.19%

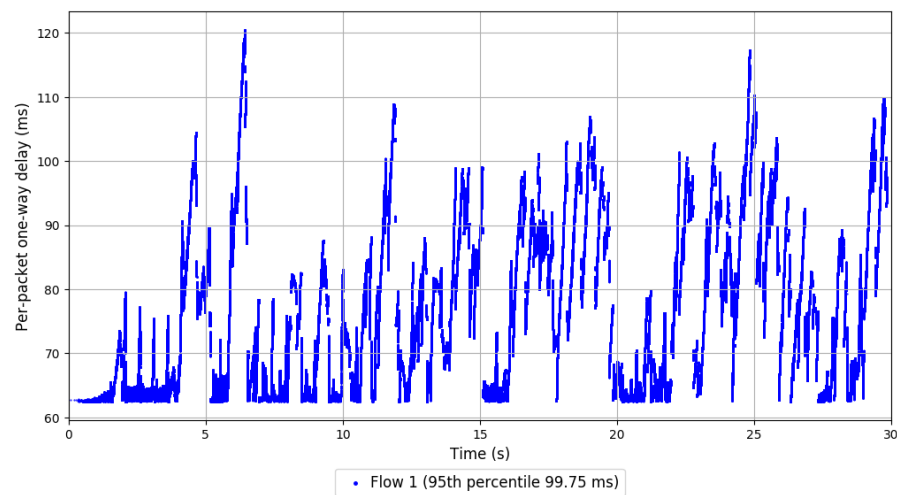
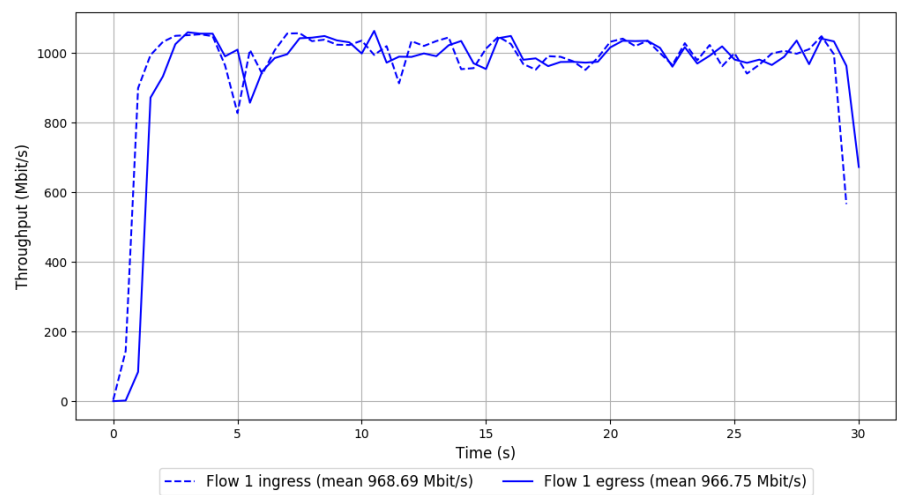
-- Flow 1:

Average throughput: 966.75 Mbit/s

95th percentile per-packet one-way delay: 99.755 ms

Loss rate: 0.19%

Run 1: Report of FillP — Data Link

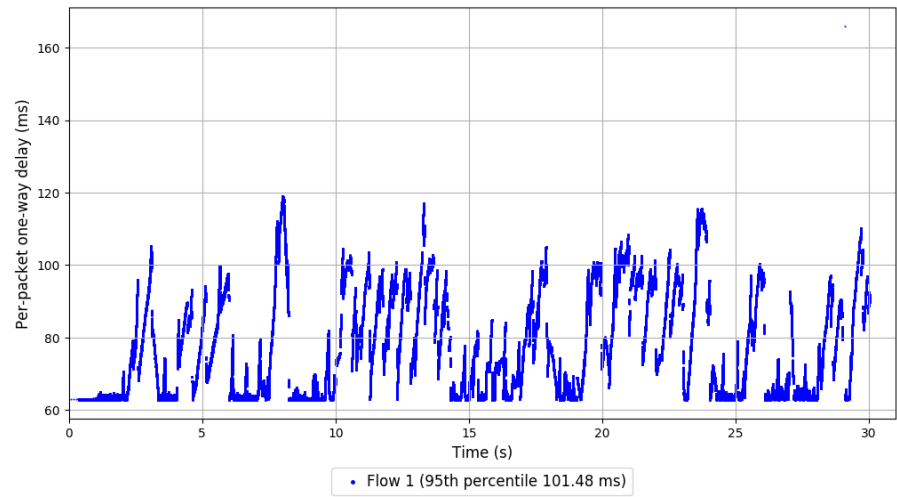
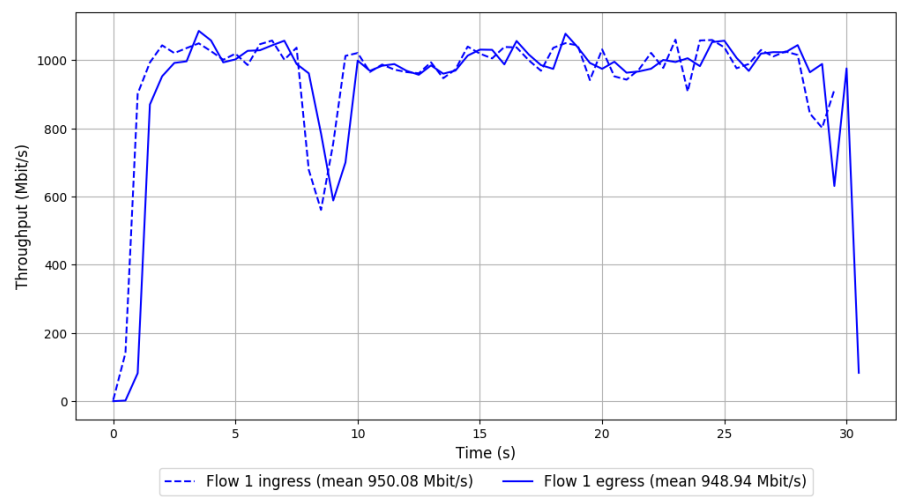


Run 2: Statistics of FillP

Start at: 2019-02-20 07:30:52
End at: 2019-02-20 07:31:22
Local clock offset: 0.083 ms
Remote clock offset: -0.508 ms

Below is generated by plot.py at 2019-02-20 10:08:49
Datalink statistics
-- Total of 1 flow:
Average throughput: 948.94 Mbit/s
95th percentile per-packet one-way delay: 101.476 ms
Loss rate: 0.12%
-- Flow 1:
Average throughput: 948.94 Mbit/s
95th percentile per-packet one-way delay: 101.476 ms
Loss rate: 0.12%

Run 2: Report of FillP — Data Link

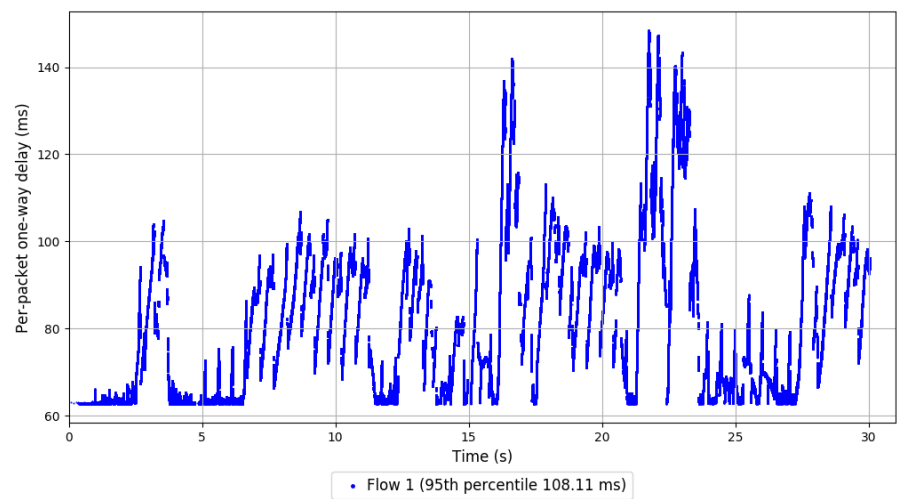
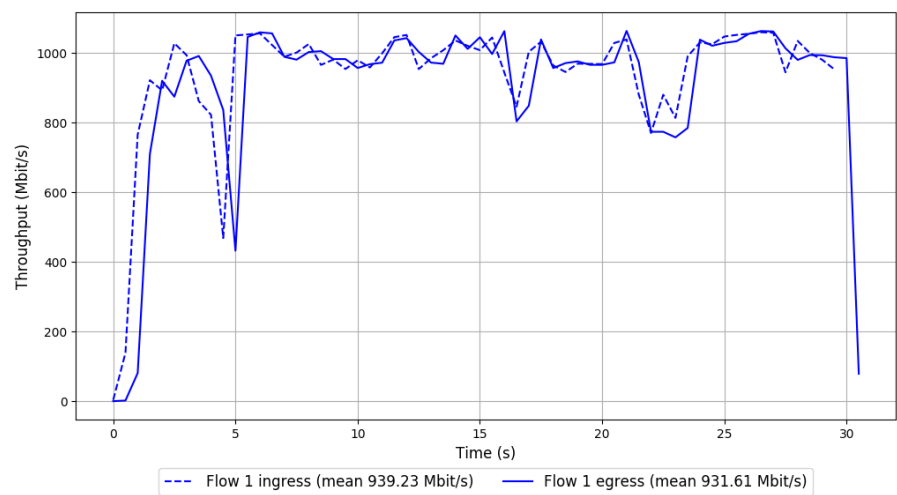


Run 3: Statistics of FillP

Start at: 2019-02-20 08:02:13
End at: 2019-02-20 08:02:43
Local clock offset: -0.084 ms
Remote clock offset: -0.456 ms

Below is generated by plot.py at 2019-02-20 10:09:34
Datalink statistics
-- Total of 1 flow:
Average throughput: 931.61 Mbit/s
95th percentile per-packet one-way delay: 108.113 ms
Loss rate: 0.81%
-- Flow 1:
Average throughput: 931.61 Mbit/s
95th percentile per-packet one-way delay: 108.113 ms
Loss rate: 0.81%

Run 3: Report of FillP — Data Link



Run 4: Statistics of FillP

Start at: 2019-02-20 08:33:35

End at: 2019-02-20 08:34:05

Local clock offset: -0.105 ms

Remote clock offset: 0.431 ms

Below is generated by plot.py at 2019-02-20 10:11:25

Datalink statistics

-- Total of 1 flow:

Average throughput: 948.30 Mbit/s

95th percentile per-packet one-way delay: 105.810 ms

Loss rate: 0.38%

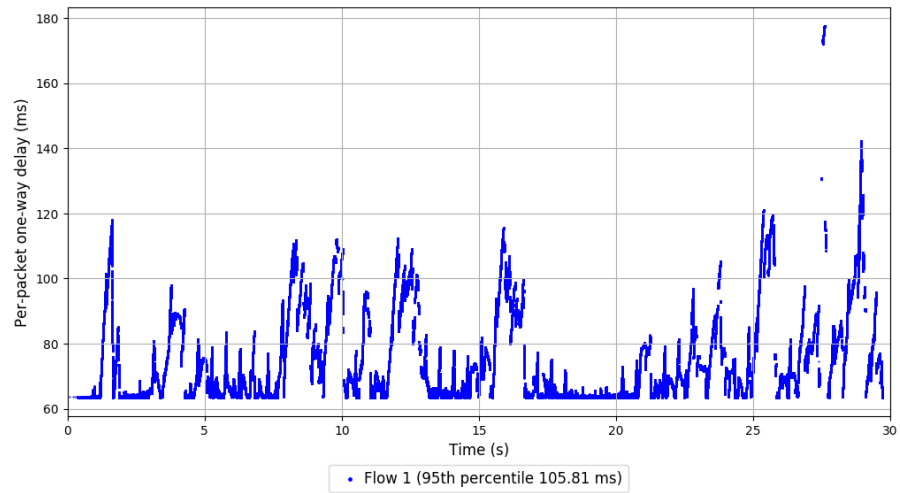
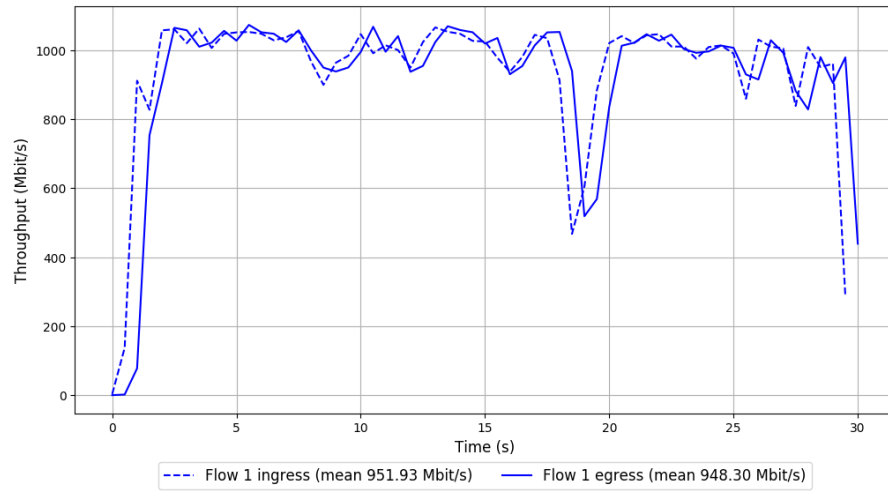
-- Flow 1:

Average throughput: 948.30 Mbit/s

95th percentile per-packet one-way delay: 105.810 ms

Loss rate: 0.38%

Run 4: Report of FillP — Data Link

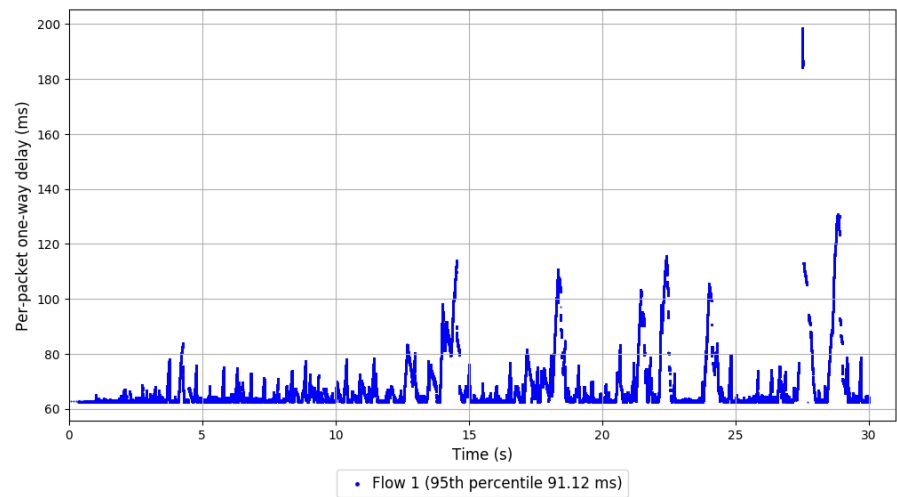
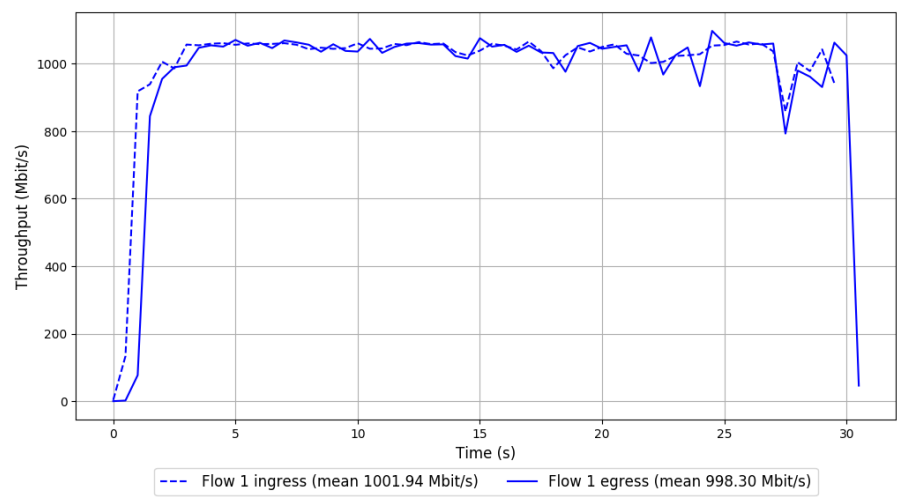


Run 5: Statistics of FillP

Start at: 2019-02-20 09:05:05
End at: 2019-02-20 09:05:35
Local clock offset: -0.066 ms
Remote clock offset: -0.766 ms

Below is generated by plot.py at 2019-02-20 10:12:30
Datalink statistics
-- Total of 1 flow:
Average throughput: 998.30 Mbit/s
95th percentile per-packet one-way delay: 91.125 ms
Loss rate: 0.36%
-- Flow 1:
Average throughput: 998.30 Mbit/s
95th percentile per-packet one-way delay: 91.125 ms
Loss rate: 0.36%

Run 5: Report of FillP — Data Link



Run 1: Statistics of FillP-Sheep

Start at: 2019-02-20 06:46:56

End at: 2019-02-20 06:47:26

Local clock offset: 0.015 ms

Remote clock offset: -1.408 ms

Below is generated by plot.py at 2019-02-20 10:12:30

Datalink statistics

-- Total of 1 flow:

Average throughput: 988.52 Mbit/s

95th percentile per-packet one-way delay: 68.834 ms

Loss rate: 0.01%

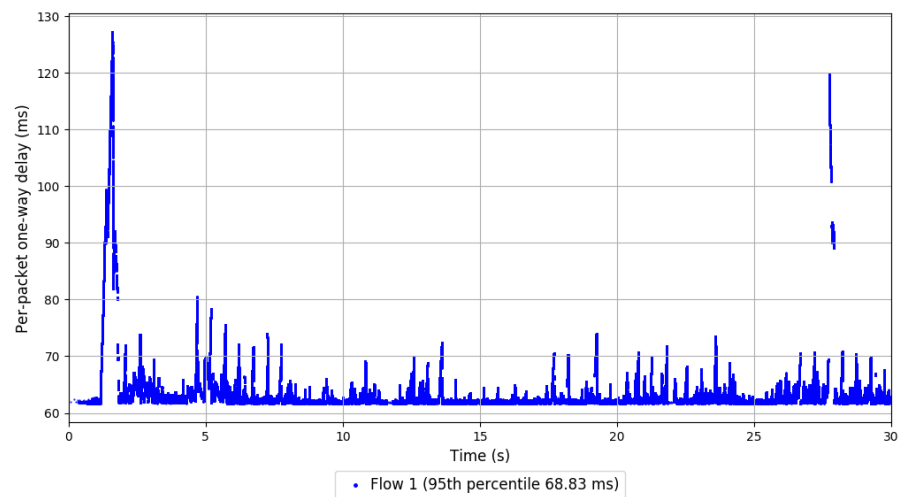
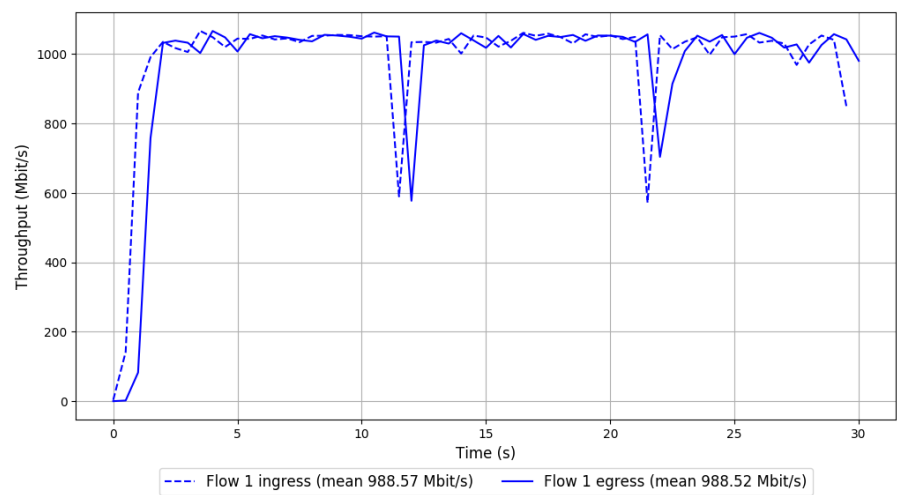
-- Flow 1:

Average throughput: 988.52 Mbit/s

95th percentile per-packet one-way delay: 68.834 ms

Loss rate: 0.01%

Run 1: Report of FillP-Sheep — Data Link

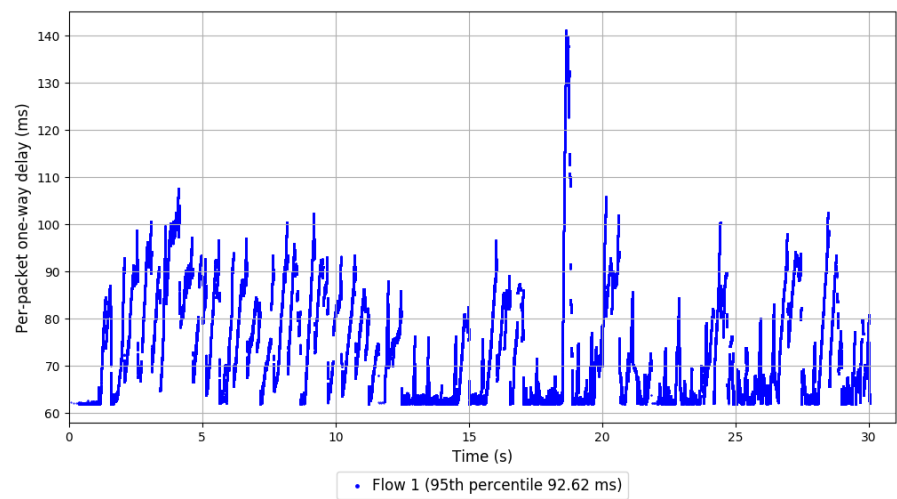
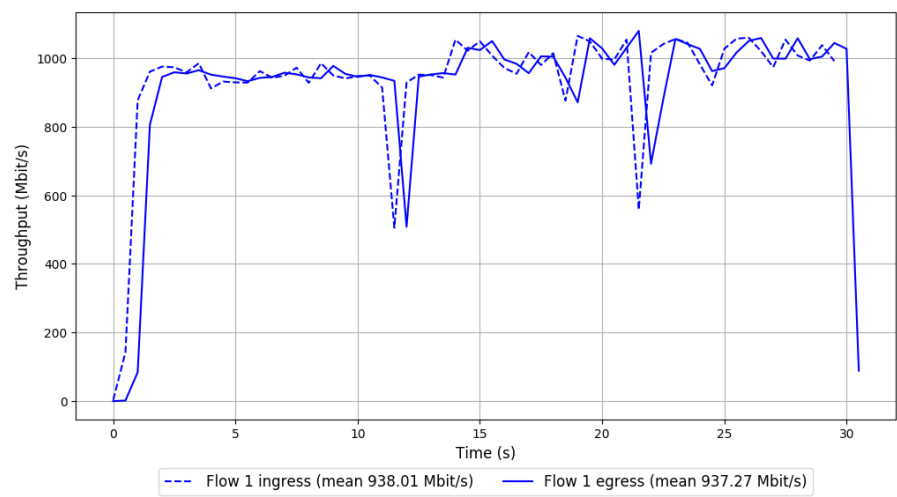


Run 2: Statistics of FillP-Sheep

Start at: 2019-02-20 07:18:33
End at: 2019-02-20 07:19:04
Local clock offset: 0.101 ms
Remote clock offset: -0.881 ms

Below is generated by plot.py at 2019-02-20 10:12:30
Datalink statistics
-- Total of 1 flow:
Average throughput: 937.27 Mbit/s
95th percentile per-packet one-way delay: 92.616 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 937.27 Mbit/s
95th percentile per-packet one-way delay: 92.616 ms
Loss rate: 0.08%

Run 2: Report of FillP-Sheep — Data Link



Run 3: Statistics of FillP-Sheep

Start at: 2019-02-20 07:49:46

End at: 2019-02-20 07:50:16

Local clock offset: -0.048 ms

Remote clock offset: -0.09 ms

Below is generated by plot.py at 2019-02-20 10:12:31

Datalink statistics

-- Total of 1 flow:

Average throughput: 941.83 Mbit/s

95th percentile per-packet one-way delay: 96.881 ms

Loss rate: 0.66%

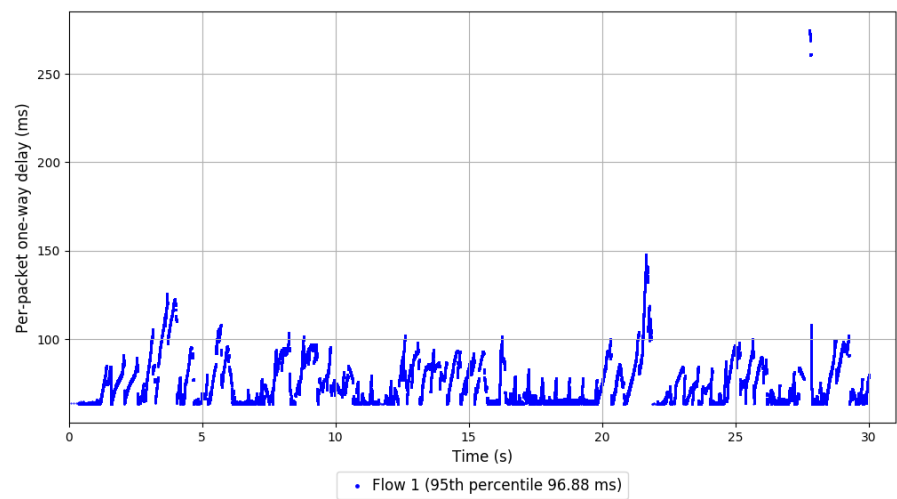
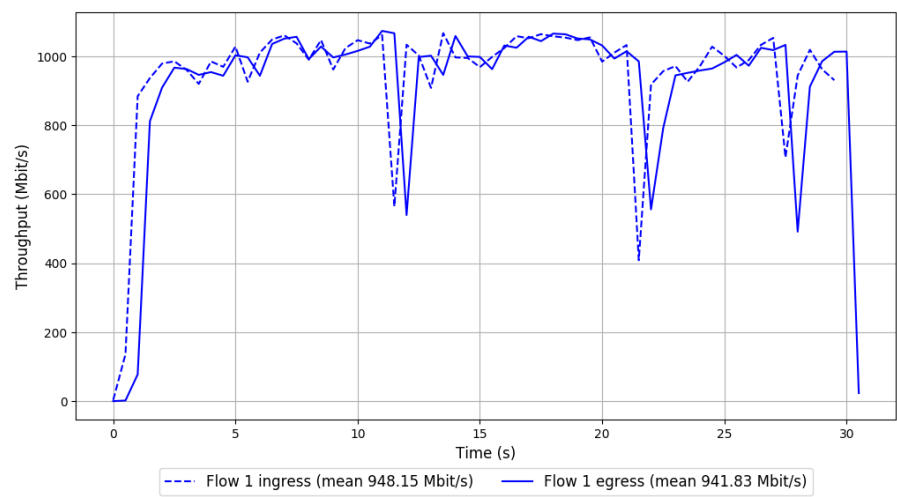
-- Flow 1:

Average throughput: 941.83 Mbit/s

95th percentile per-packet one-way delay: 96.881 ms

Loss rate: 0.66%

Run 3: Report of FillP-Sheep — Data Link

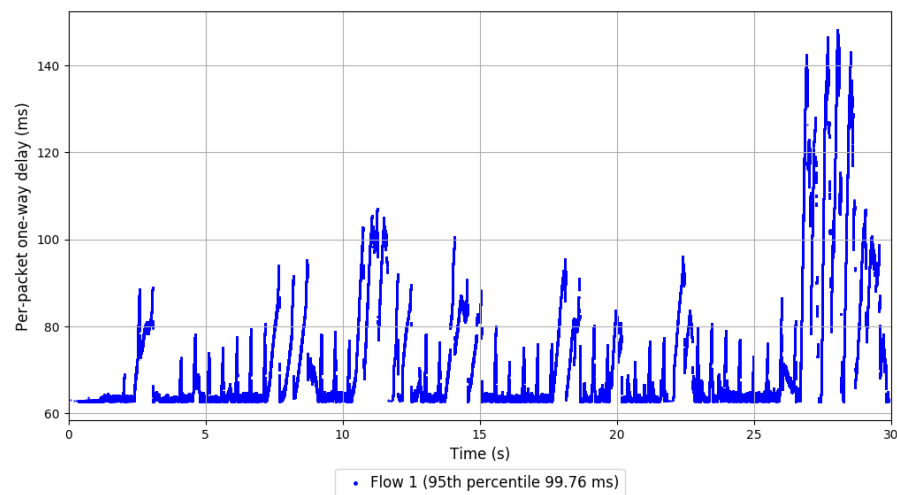
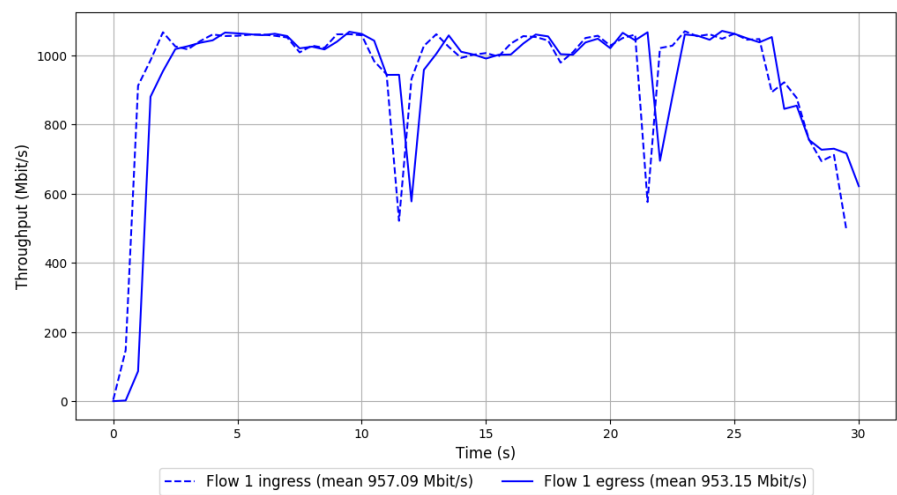


Run 4: Statistics of FillP-Sheep

Start at: 2019-02-20 08:21:22
End at: 2019-02-20 08:21:52
Local clock offset: -0.097 ms
Remote clock offset: -0.278 ms

Below is generated by plot.py at 2019-02-20 10:23:02
Datalink statistics
-- Total of 1 flow:
Average throughput: 953.15 Mbit/s
95th percentile per-packet one-way delay: 99.756 ms
Loss rate: 0.41%
-- Flow 1:
Average throughput: 953.15 Mbit/s
95th percentile per-packet one-way delay: 99.756 ms
Loss rate: 0.41%

Run 4: Report of FillP-Sheep — Data Link

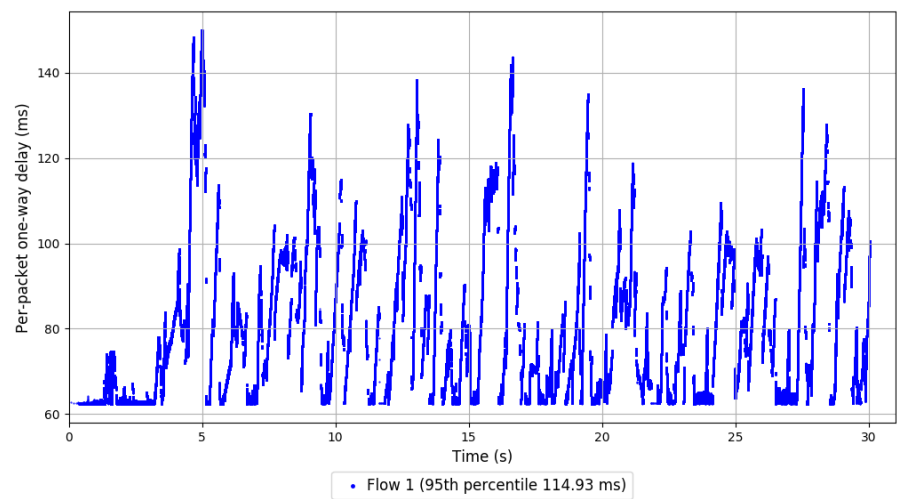
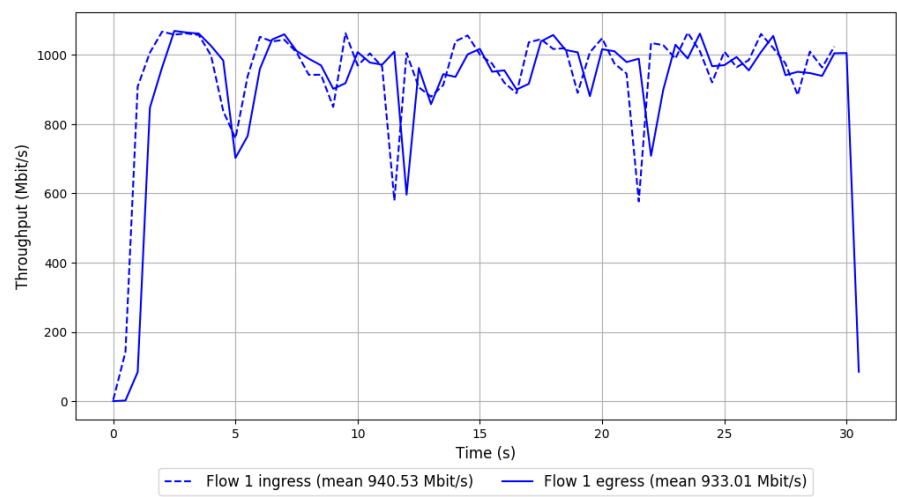


Run 5: Statistics of FillP-Sheep

Start at: 2019-02-20 08:52:38
End at: 2019-02-20 08:53:08
Local clock offset: -0.101 ms
Remote clock offset: -0.453 ms

Below is generated by plot.py at 2019-02-20 10:27:45
Datalink statistics
-- Total of 1 flow:
Average throughput: 933.01 Mbit/s
95th percentile per-packet one-way delay: 114.933 ms
Loss rate: 0.80%
-- Flow 1:
Average throughput: 933.01 Mbit/s
95th percentile per-packet one-way delay: 114.933 ms
Loss rate: 0.80%

Run 5: Report of FillP-Sheep — Data Link



Run 1: Statistics of Indigo

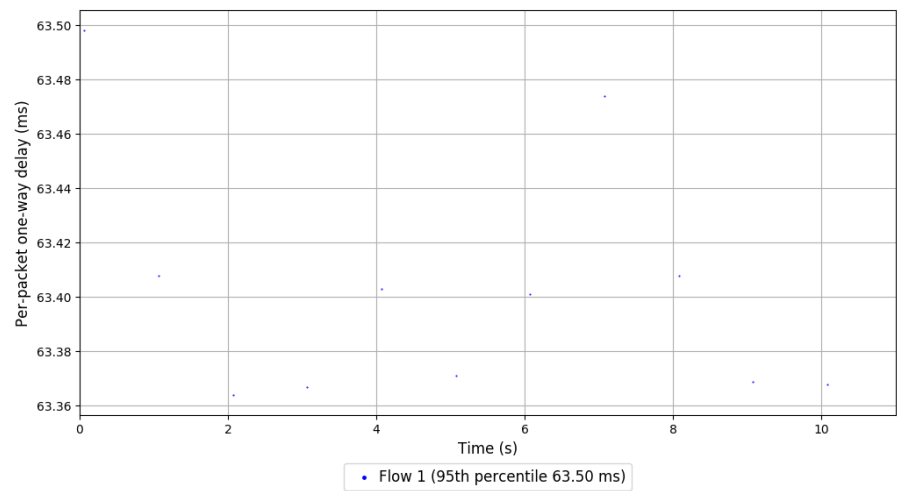
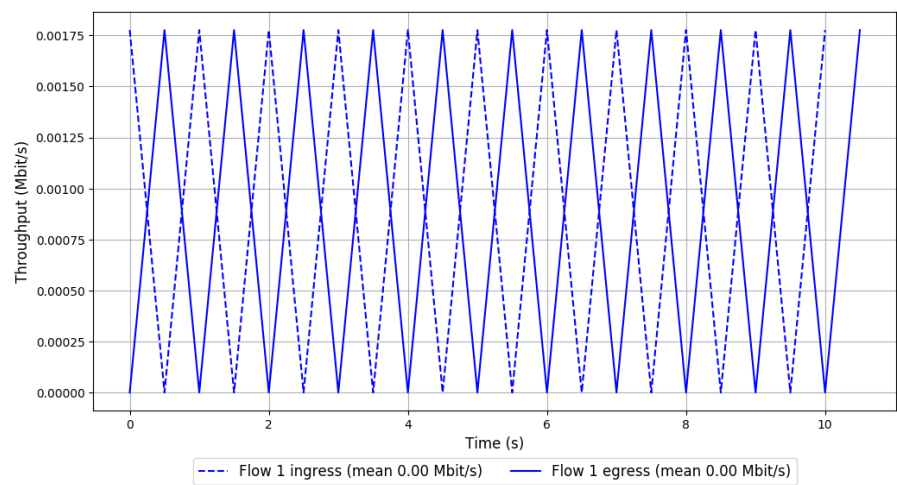
Start at: 2019-02-20 06:40:13

End at: 2019-02-20 06:40:43

Local clock offset: 0.012 ms

Remote clock offset: 0.087 ms

Run 1: Report of Indigo — Data Link

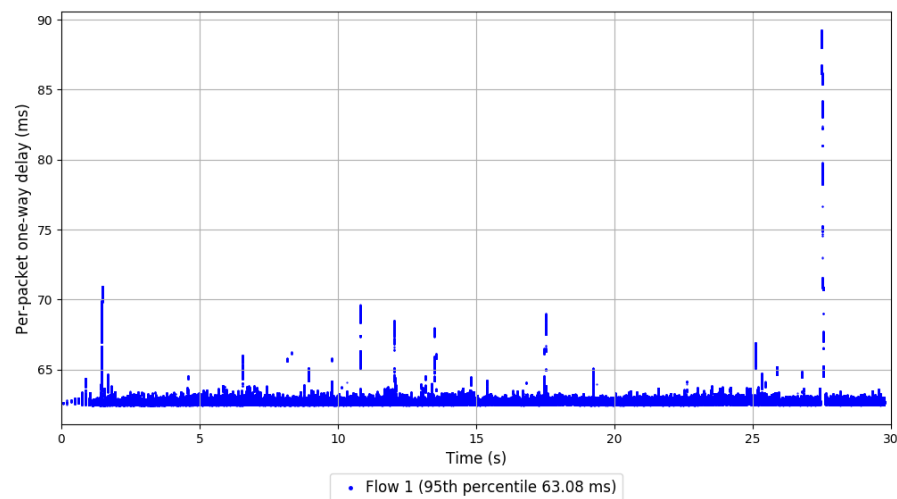
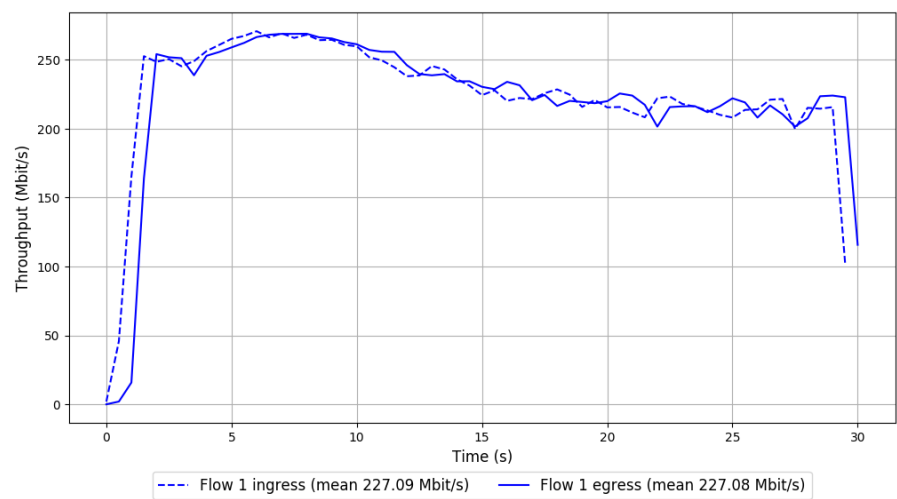


Run 2: Statistics of Indigo

Start at: 2019-02-20 07:11:27
End at: 2019-02-20 07:11:57
Local clock offset: 0.097 ms
Remote clock offset: -0.369 ms

Below is generated by plot.py at 2019-02-20 10:27:45
Datalink statistics
-- Total of 1 flow:
Average throughput: 227.08 Mbit/s
95th percentile per-packet one-way delay: 63.083 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 227.08 Mbit/s
95th percentile per-packet one-way delay: 63.083 ms
Loss rate: 0.00%

Run 2: Report of Indigo — Data Link



Run 3: Statistics of Indigo

Start at: 2019-02-20 07:42:45

End at: 2019-02-20 07:43:15

Local clock offset: 0.005 ms

Remote clock offset: 1.01 ms

Below is generated by plot.py at 2019-02-20 10:27:45

Datalink statistics

-- Total of 1 flow:

Average throughput: 222.56 Mbit/s

95th percentile per-packet one-way delay: 64.665 ms

Loss rate: 0.00%

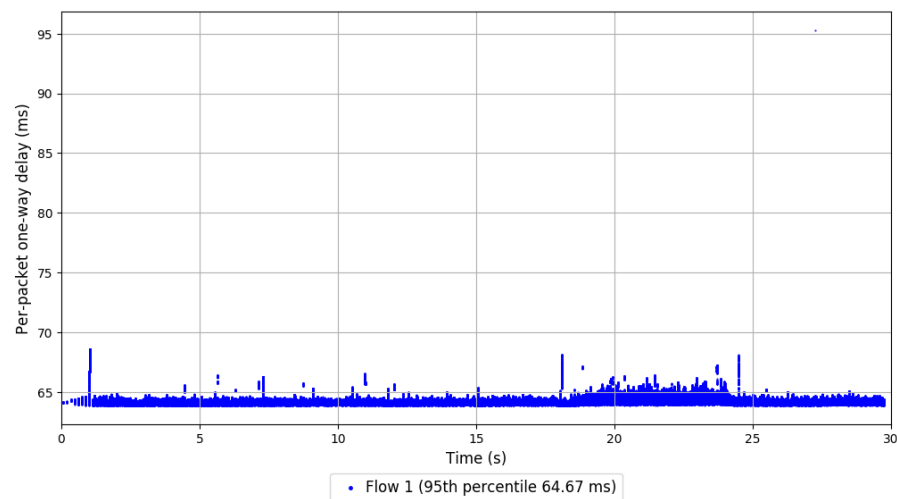
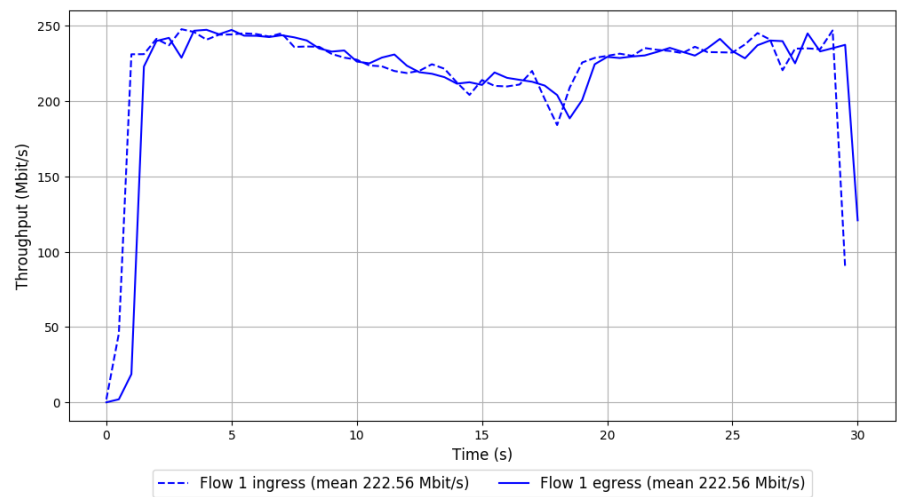
-- Flow 1:

Average throughput: 222.56 Mbit/s

95th percentile per-packet one-way delay: 64.665 ms

Loss rate: 0.00%

Run 3: Report of Indigo — Data Link



Run 4: Statistics of Indigo

Start at: 2019-02-20 08:14:20

End at: 2019-02-20 08:14:50

Local clock offset: -0.113 ms

Remote clock offset: 1.295 ms

Below is generated by plot.py at 2019-02-20 10:27:45

Datalink statistics

-- Total of 1 flow:

Average throughput: 221.18 Mbit/s

95th percentile per-packet one-way delay: 64.914 ms

Loss rate: 0.00%

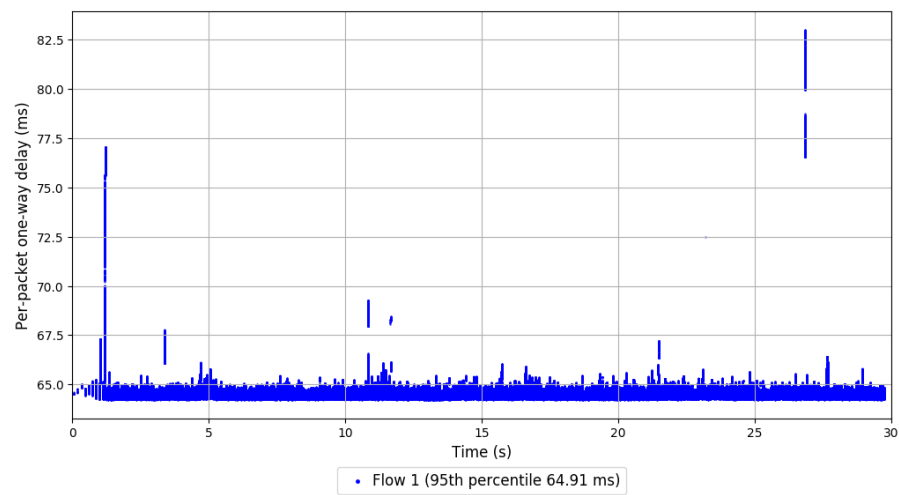
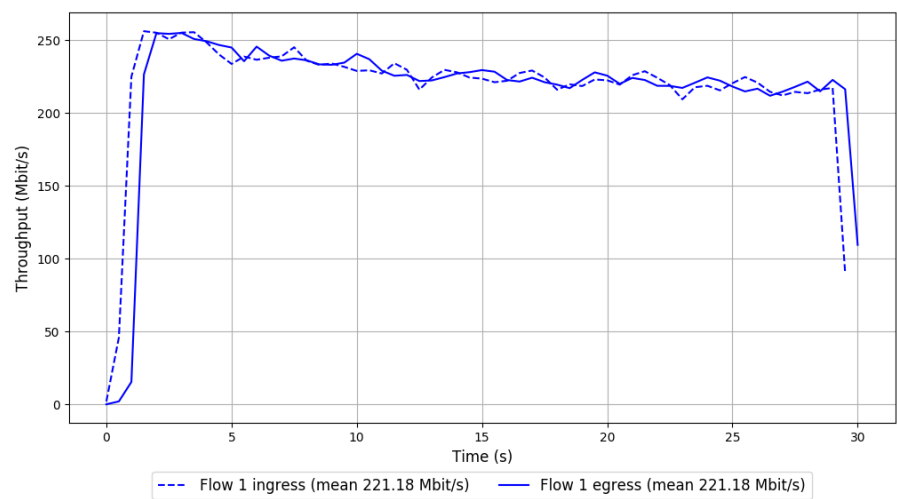
-- Flow 1:

Average throughput: 221.18 Mbit/s

95th percentile per-packet one-way delay: 64.914 ms

Loss rate: 0.00%

Run 4: Report of Indigo — Data Link

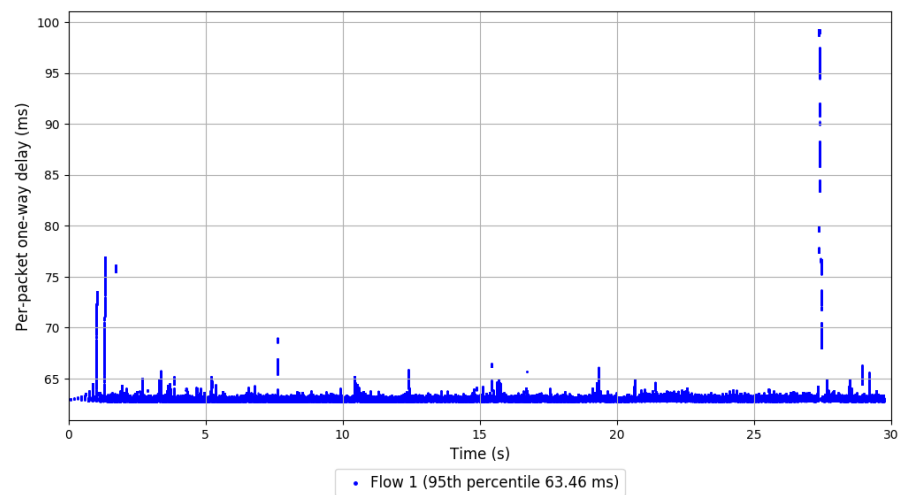
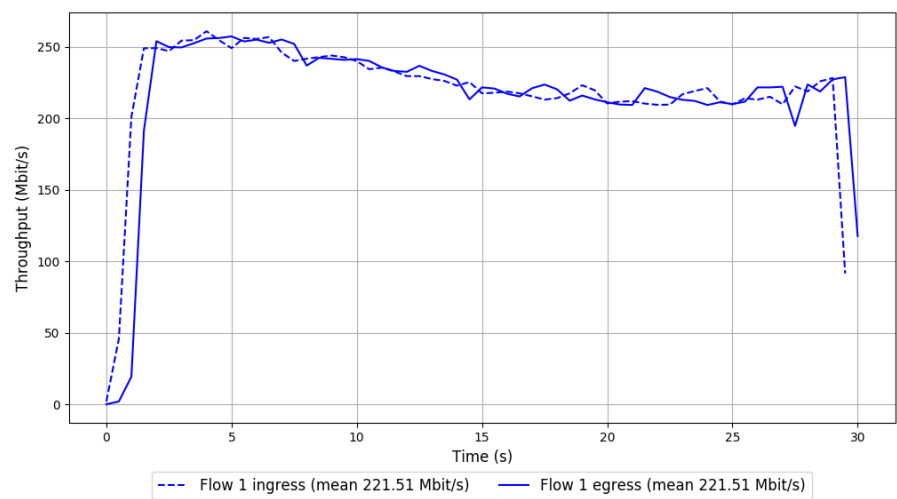


Run 5: Statistics of Indigo

Start at: 2019-02-20 08:45:34
End at: 2019-02-20 08:46:04
Local clock offset: -0.079 ms
Remote clock offset: -0.053 ms

Below is generated by plot.py at 2019-02-20 10:27:45
Datalink statistics
-- Total of 1 flow:
Average throughput: 221.51 Mbit/s
95th percentile per-packet one-way delay: 63.459 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 221.51 Mbit/s
95th percentile per-packet one-way delay: 63.459 ms
Loss rate: 0.00%

Run 5: Report of Indigo — Data Link

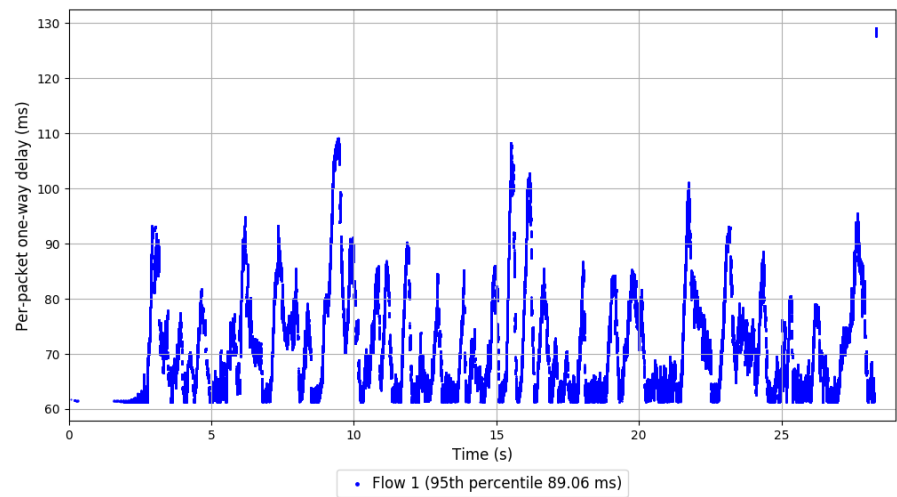
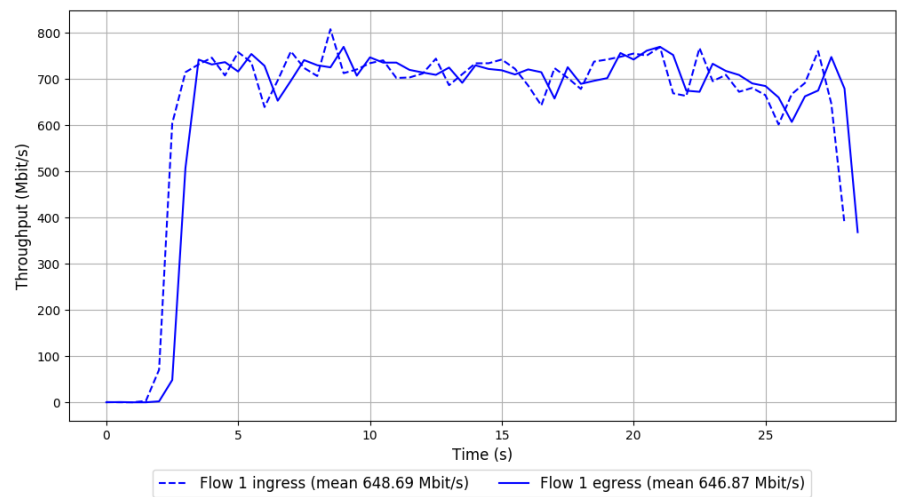


Run 1: Statistics of Indigo-MusesC3

Start at: 2019-02-20 06:43:01
End at: 2019-02-20 06:43:31
Local clock offset: 0.025 ms
Remote clock offset: -1.602 ms

Below is generated by plot.py at 2019-02-20 10:27:45
Datalink statistics
-- Total of 1 flow:
Average throughput: 646.87 Mbit/s
95th percentile per-packet one-way delay: 89.061 ms
Loss rate: 0.28%
-- Flow 1:
Average throughput: 646.87 Mbit/s
95th percentile per-packet one-way delay: 89.061 ms
Loss rate: 0.28%

Run 1: Report of Indigo-MusesC3 — Data Link

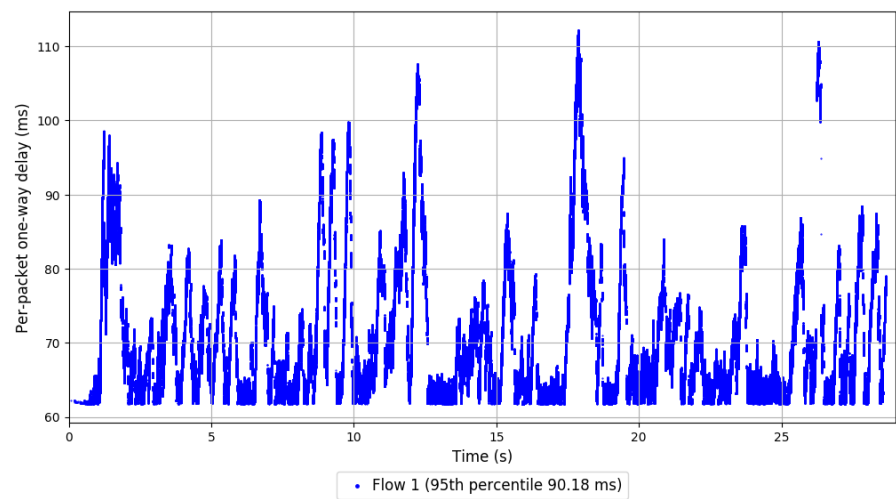
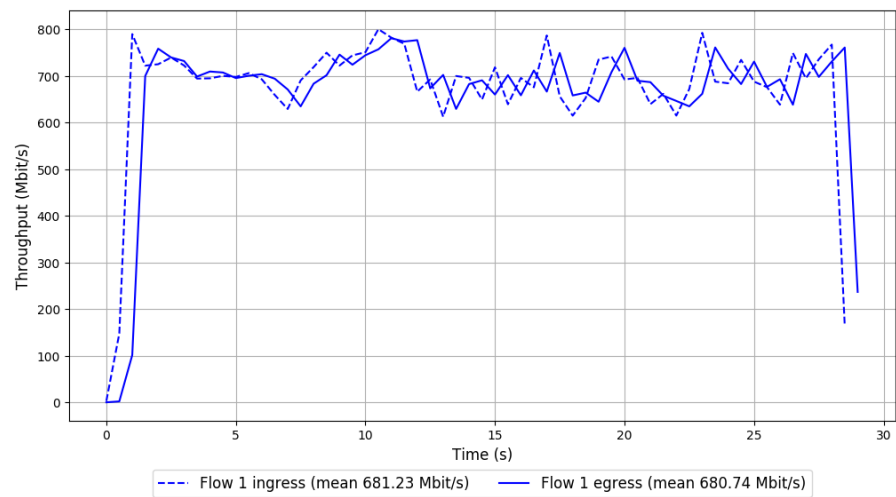


Run 2: Statistics of Indigo-MusesC3

Start at: 2019-02-20 07:14:35
End at: 2019-02-20 07:15:05
Local clock offset: 0.097 ms
Remote clock offset: -1.456 ms

Below is generated by plot.py at 2019-02-20 10:27:45
Datalink statistics
-- Total of 1 flow:
Average throughput: 680.74 Mbit/s
95th percentile per-packet one-way delay: 90.180 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 680.74 Mbit/s
95th percentile per-packet one-way delay: 90.180 ms
Loss rate: 0.07%

Run 2: Report of Indigo-MusesC3 — Data Link



Run 3: Statistics of Indigo-MusesC3

Start at: 2019-02-20 07:45:51

End at: 2019-02-20 07:46:21

Local clock offset: -0.023 ms

Remote clock offset: 0.48 ms

Below is generated by plot.py at 2019-02-20 10:27:45

Datalink statistics

-- Total of 1 flow:

Average throughput: 642.89 Mbit/s

95th percentile per-packet one-way delay: 87.434 ms

Loss rate: 0.07%

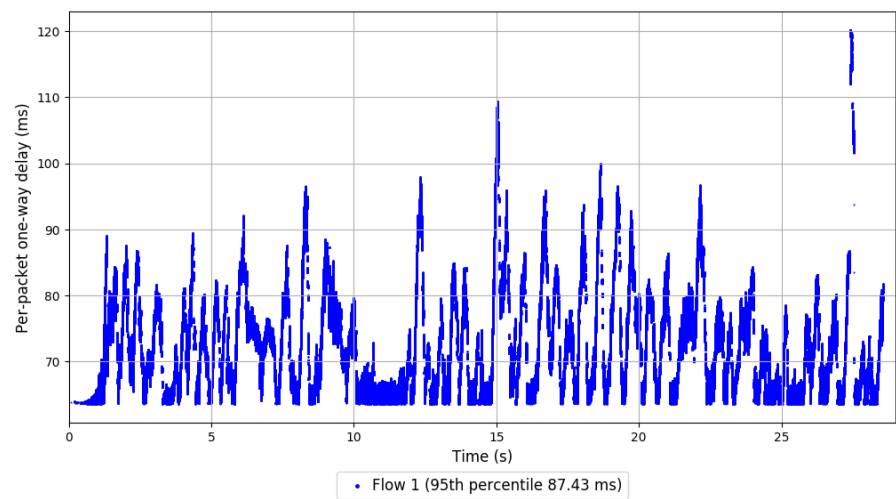
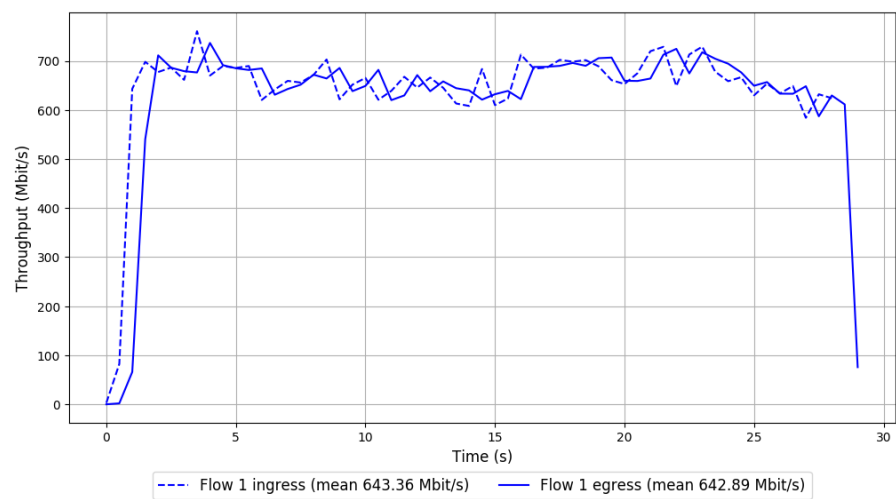
-- Flow 1:

Average throughput: 642.89 Mbit/s

95th percentile per-packet one-way delay: 87.434 ms

Loss rate: 0.07%

Run 3: Report of Indigo-MusesC3 — Data Link

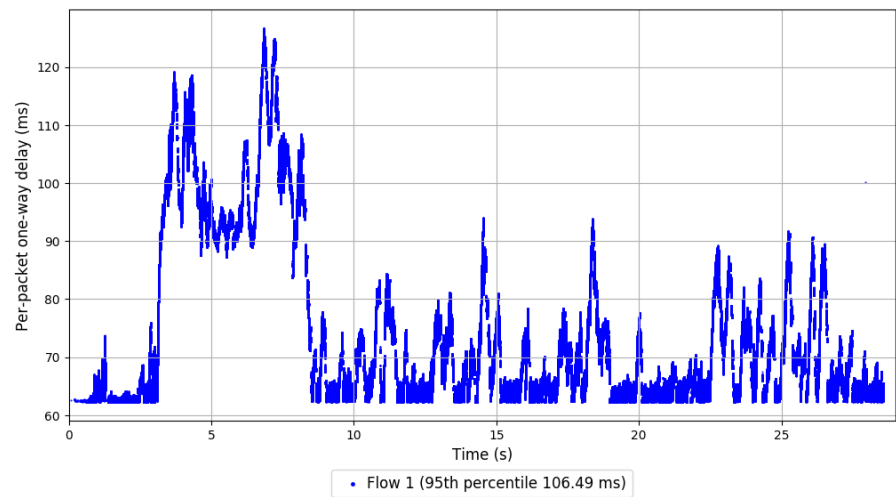
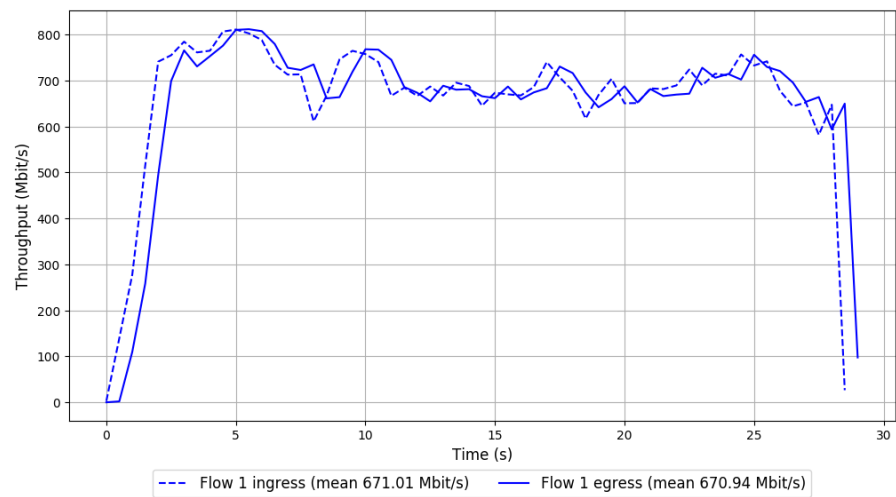


Run 4: Statistics of Indigo-MusesC3

Start at: 2019-02-20 08:17:26
End at: 2019-02-20 08:17:56
Local clock offset: -0.126 ms
Remote clock offset: -0.686 ms

Below is generated by plot.py at 2019-02-20 10:30:10
Datalink statistics
-- Total of 1 flow:
Average throughput: 670.94 Mbit/s
95th percentile per-packet one-way delay: 106.490 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 670.94 Mbit/s
95th percentile per-packet one-way delay: 106.490 ms
Loss rate: 0.00%

Run 4: Report of Indigo-MusesC3 — Data Link

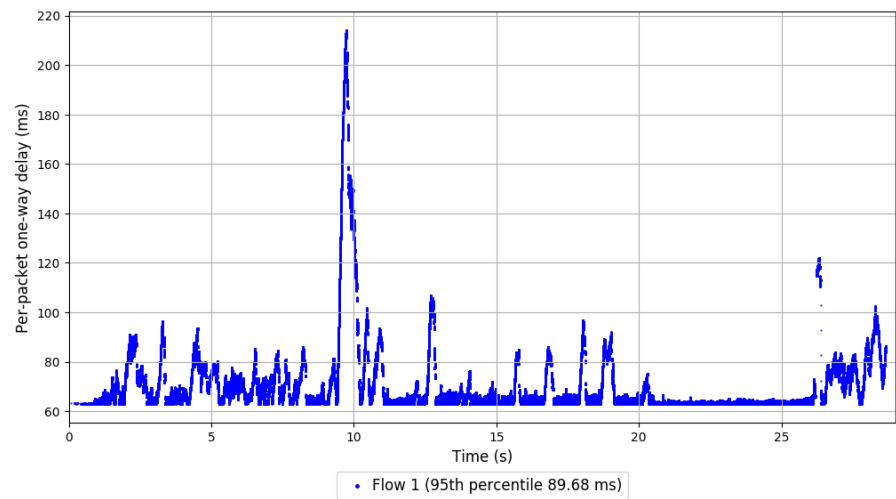
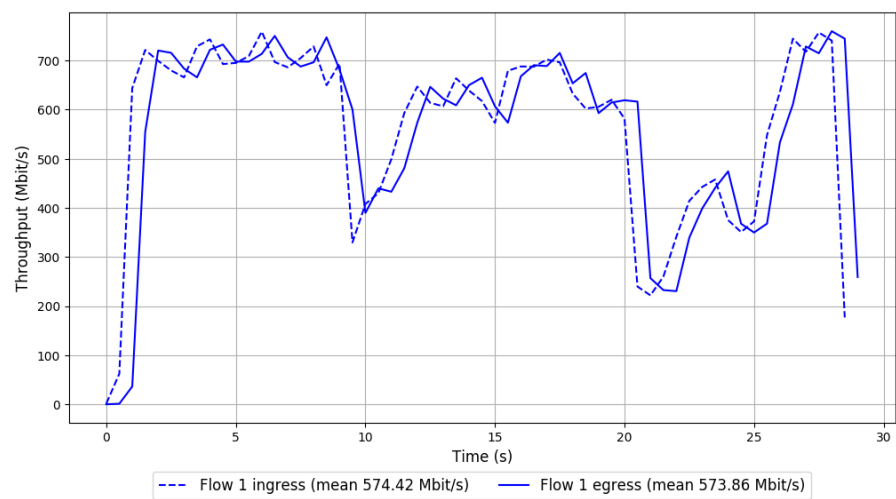


Run 5: Statistics of Indigo-MusesC3

Start at: 2019-02-20 08:48:44
End at: 2019-02-20 08:49:14
Local clock offset: -0.064 ms
Remote clock offset: -0.019 ms

Below is generated by plot.py at 2019-02-20 10:30:10
Datalink statistics
-- Total of 1 flow:
Average throughput: 573.86 Mbit/s
95th percentile per-packet one-way delay: 89.680 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 573.86 Mbit/s
95th percentile per-packet one-way delay: 89.680 ms
Loss rate: 0.10%

Run 5: Report of Indigo-MusesC3 — Data Link



Run 1: Statistics of Indigo-MusesC5

Start at: 2019-02-20 06:54:34

End at: 2019-02-20 06:55:04

Local clock offset: 0.057 ms

Remote clock offset: -0.159 ms

Below is generated by plot.py at 2019-02-20 10:30:22

Datalink statistics

-- Total of 1 flow:

Average throughput: 679.64 Mbit/s

95th percentile per-packet one-way delay: 103.385 ms

Loss rate: 0.00%

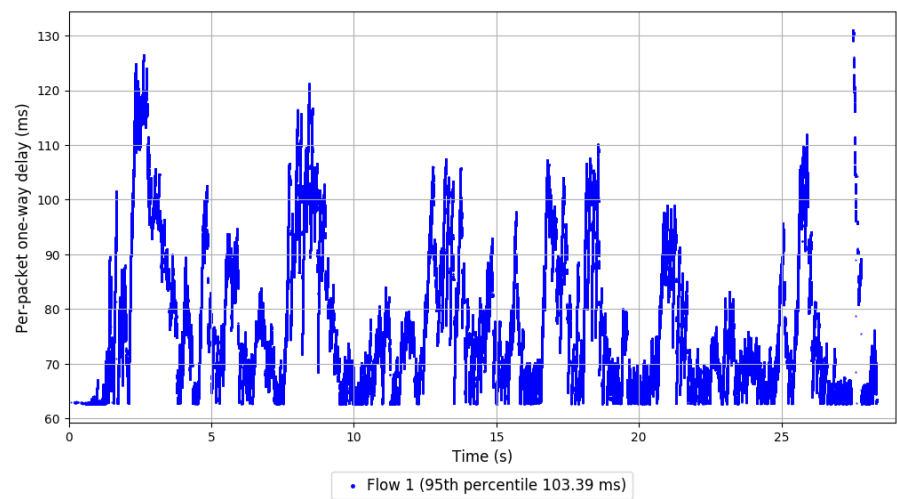
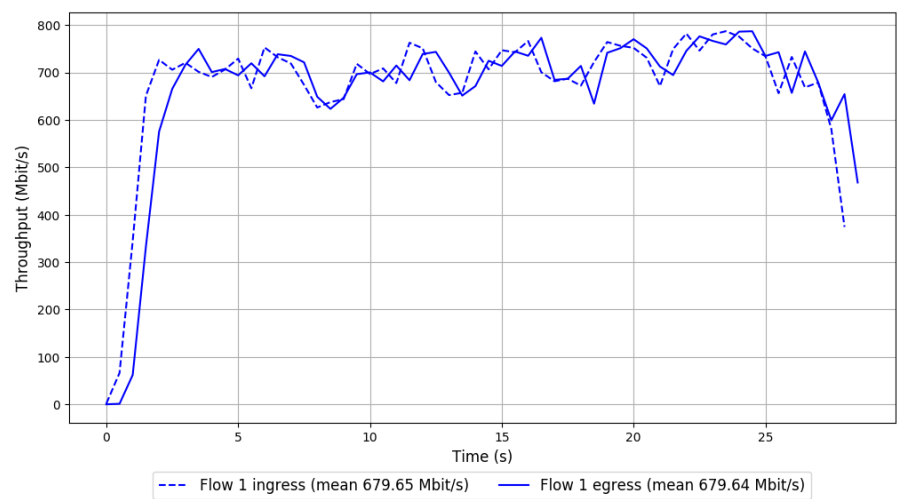
-- Flow 1:

Average throughput: 679.64 Mbit/s

95th percentile per-packet one-way delay: 103.385 ms

Loss rate: 0.00%

Run 1: Report of Indigo-MusesC5 — Data Link

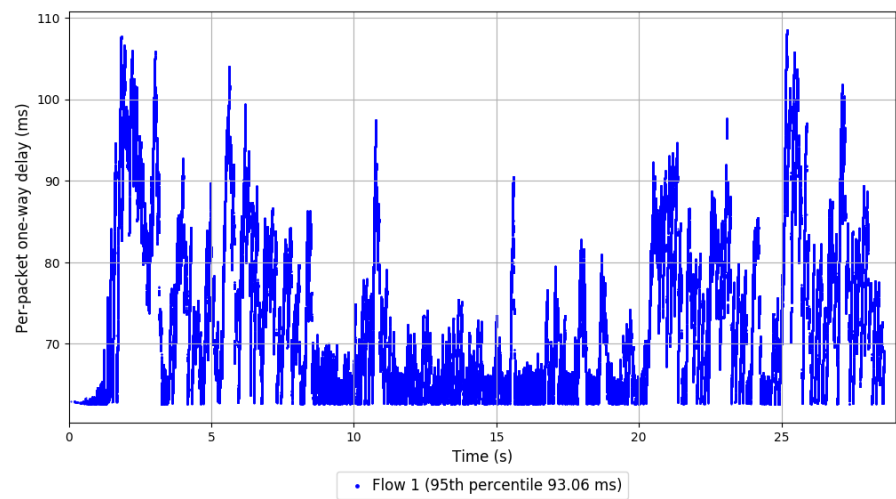
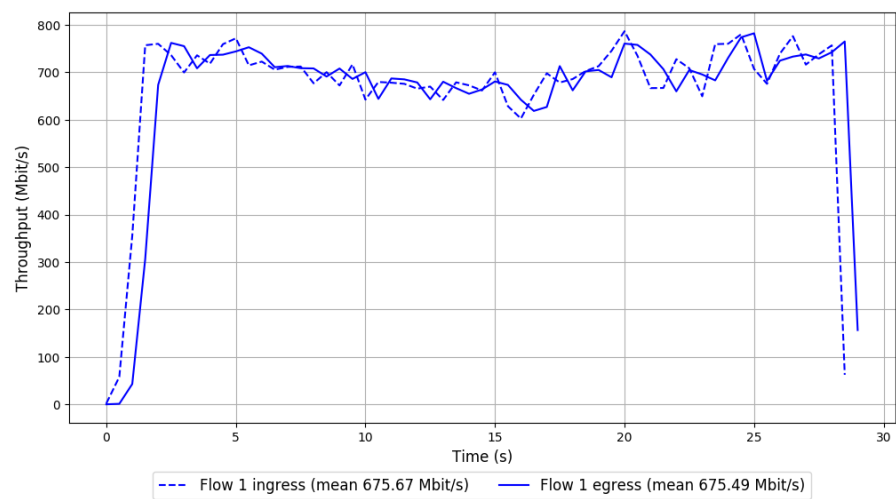


Run 2: Statistics of Indigo-MusesC5

Start at: 2019-02-20 07:25:56
End at: 2019-02-20 07:26:26
Local clock offset: 0.062 ms
Remote clock offset: -0.195 ms

Below is generated by plot.py at 2019-02-20 10:34:14
Datalink statistics
-- Total of 1 flow:
Average throughput: 675.49 Mbit/s
95th percentile per-packet one-way delay: 93.059 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 675.49 Mbit/s
95th percentile per-packet one-way delay: 93.059 ms
Loss rate: 0.02%

Run 2: Report of Indigo-MusesC5 — Data Link



Run 3: Statistics of Indigo-MusesC5

Start at: 2019-02-20 07:57:15

End at: 2019-02-20 07:57:46

Local clock offset: -0.09 ms

Remote clock offset: -0.006 ms

Below is generated by plot.py at 2019-02-20 10:34:39

Datalink statistics

-- Total of 1 flow:

Average throughput: 658.81 Mbit/s

95th percentile per-packet one-way delay: 89.224 ms

Loss rate: 0.01%

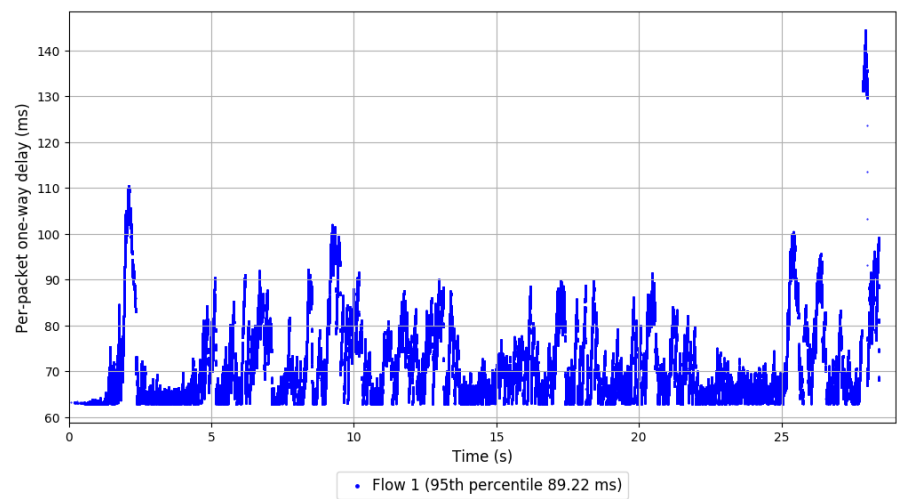
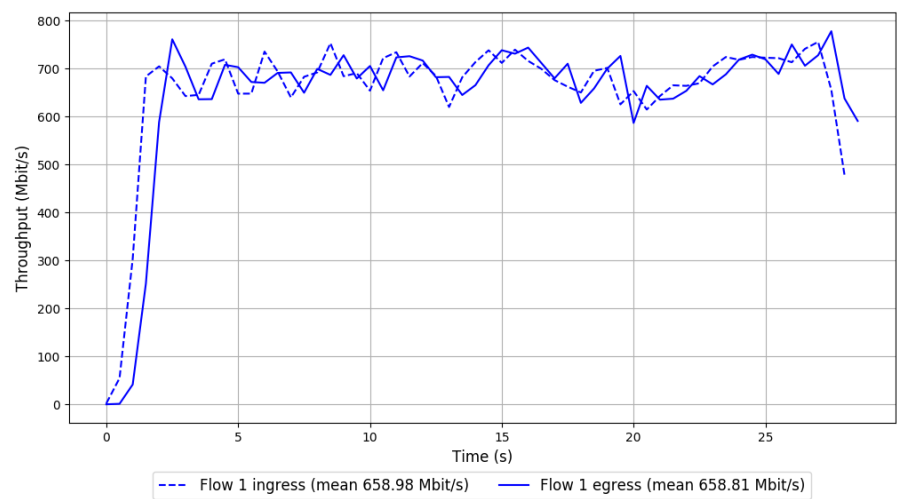
-- Flow 1:

Average throughput: 658.81 Mbit/s

95th percentile per-packet one-way delay: 89.224 ms

Loss rate: 0.01%

Run 3: Report of Indigo-MusesC5 — Data Link

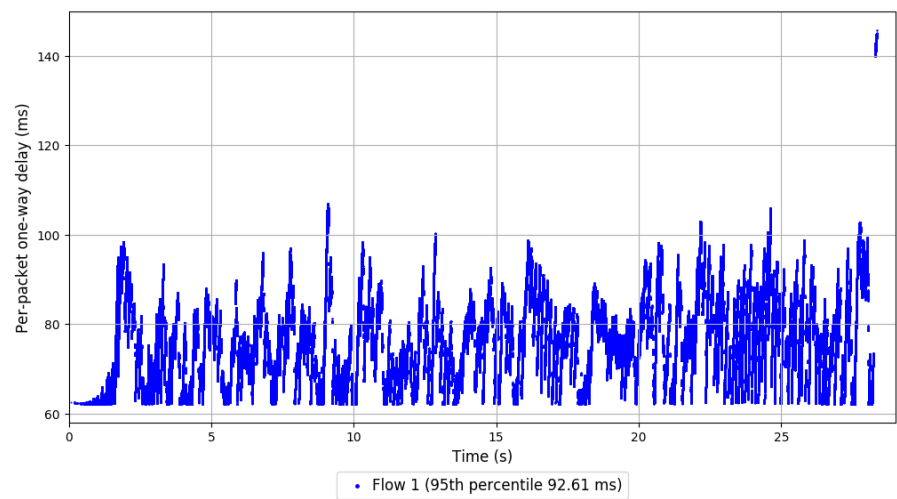
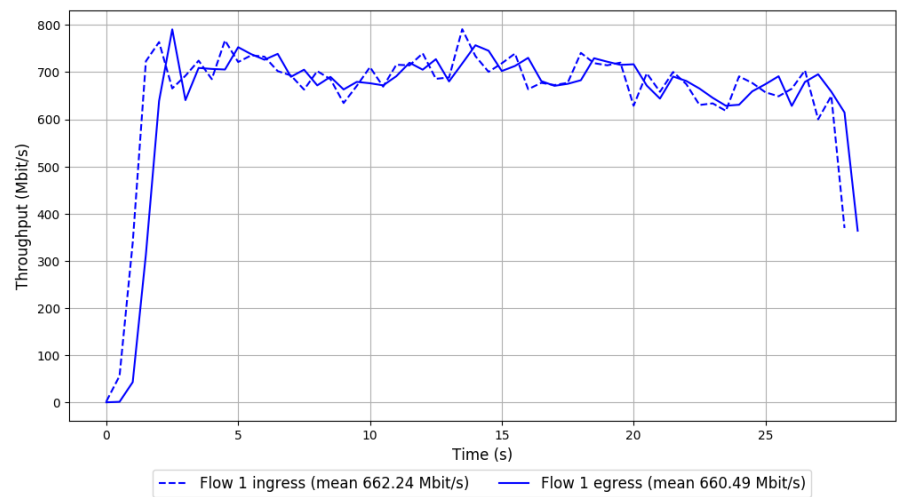


Run 4: Statistics of Indigo-MusesC5

Start at: 2019-02-20 08:28:37
End at: 2019-02-20 08:29:07
Local clock offset: -0.058 ms
Remote clock offset: -0.665 ms

Below is generated by plot.py at 2019-02-20 10:36:32
Datalink statistics
-- Total of 1 flow:
Average throughput: 660.49 Mbit/s
95th percentile per-packet one-way delay: 92.611 ms
Loss rate: 0.25%
-- Flow 1:
Average throughput: 660.49 Mbit/s
95th percentile per-packet one-way delay: 92.611 ms
Loss rate: 0.25%

Run 4: Report of Indigo-MusesC5 — Data Link

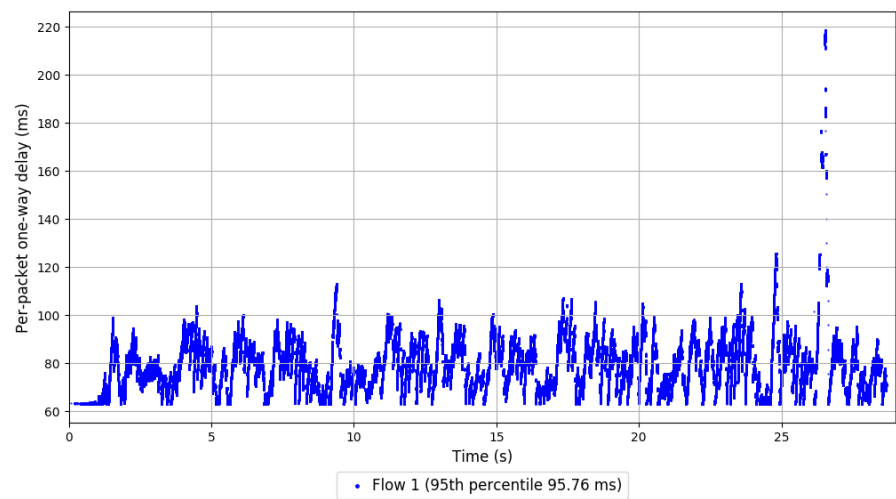
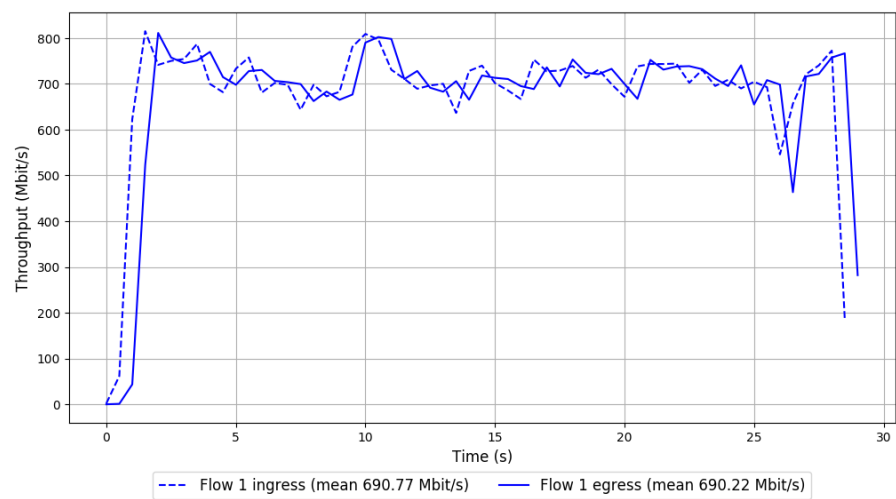


Run 5: Statistics of Indigo-MusesC5

Start at: 2019-02-20 09:00:06
End at: 2019-02-20 09:00:36
Local clock offset: -0.095 ms
Remote clock offset: -0.008 ms

Below is generated by plot.py at 2019-02-20 10:40:05
Datalink statistics
-- Total of 1 flow:
Average throughput: 690.22 Mbit/s
95th percentile per-packet one-way delay: 95.762 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 690.22 Mbit/s
95th percentile per-packet one-way delay: 95.762 ms
Loss rate: 0.08%

Run 5: Report of Indigo-MusesC5 — Data Link

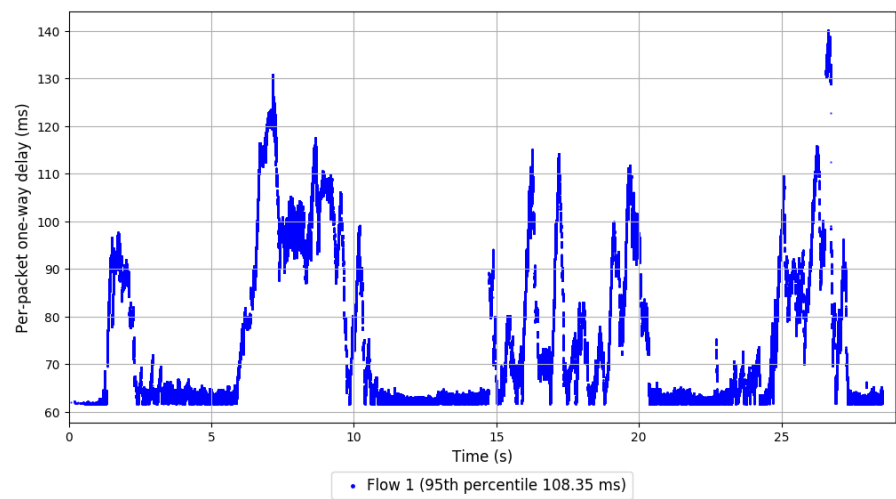
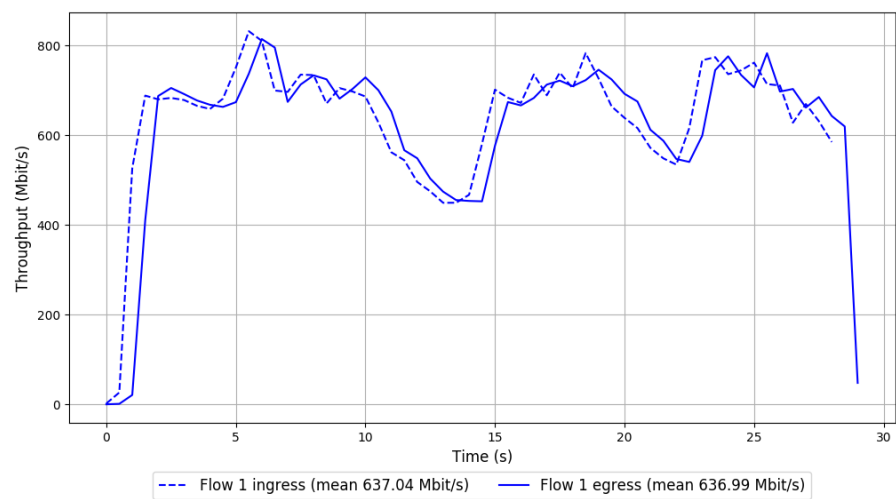


```
Run 1: Statistics of Indigo-MusesD

Start at: 2019-02-20 07:07:06
End at: 2019-02-20 07:07:36
Local clock offset: 0.073 ms
Remote clock offset: -1.55 ms

# Below is generated by plot.py at 2019-02-20 10:40:05
# Datalink statistics
-- Total of 1 flow:
Average throughput: 636.99 Mbit/s
95th percentile per-packet one-way delay: 108.353 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 636.99 Mbit/s
95th percentile per-packet one-way delay: 108.353 ms
Loss rate: 0.01%
```

Run 1: Report of Indigo-MusesD — Data Link



Run 2: Statistics of Indigo-MusesD

Start at: 2019-02-20 07:38:24

End at: 2019-02-20 07:38:54

Local clock offset: 0.022 ms

Remote clock offset: 0.026 ms

Below is generated by plot.py at 2019-02-20 10:40:42

Datalink statistics

-- Total of 1 flow:

Average throughput: 655.57 Mbit/s

95th percentile per-packet one-way delay: 108.667 ms

Loss rate: 0.15%

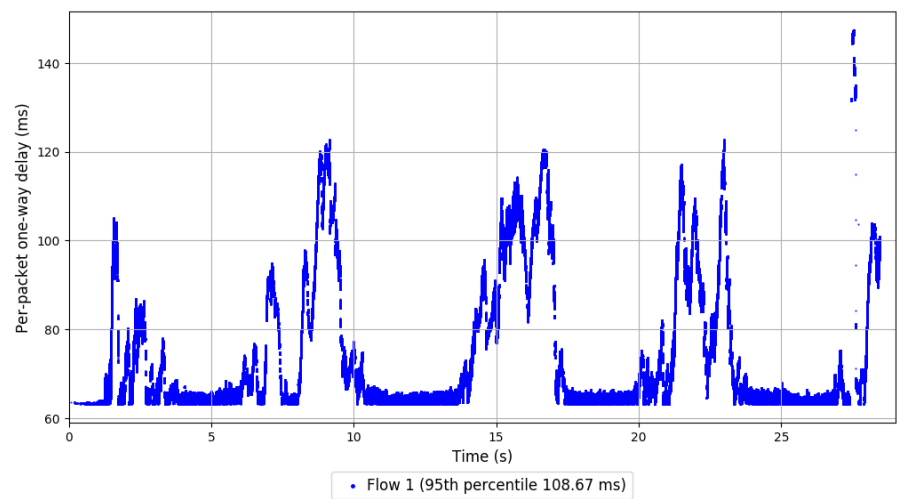
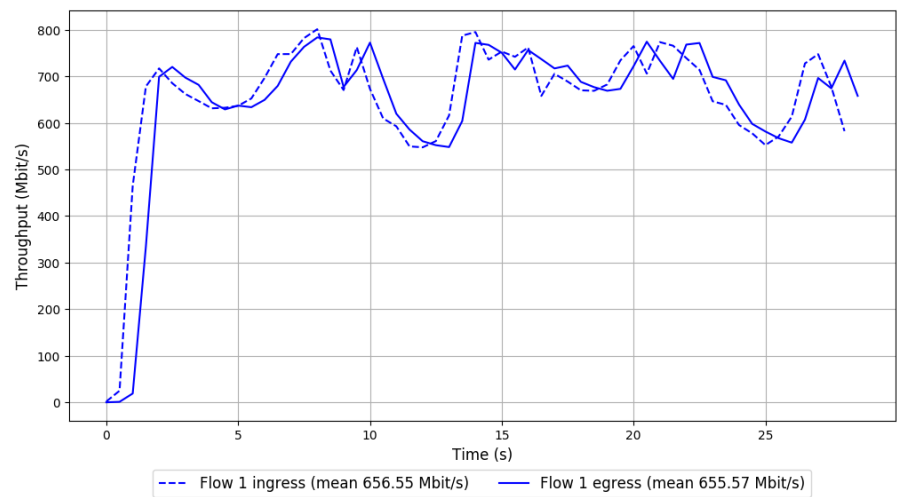
-- Flow 1:

Average throughput: 655.57 Mbit/s

95th percentile per-packet one-way delay: 108.667 ms

Loss rate: 0.15%

Run 2: Report of Indigo-MusesD — Data Link



Run 3: Statistics of Indigo-MusesD

Start at: 2019-02-20 08:09:57

End at: 2019-02-20 08:10:27

Local clock offset: -0.146 ms

Remote clock offset: -0.262 ms

Below is generated by plot.py at 2019-02-20 10:41:29

Datalink statistics

-- Total of 1 flow:

Average throughput: 635.22 Mbit/s

95th percentile per-packet one-way delay: 108.487 ms

Loss rate: 0.00%

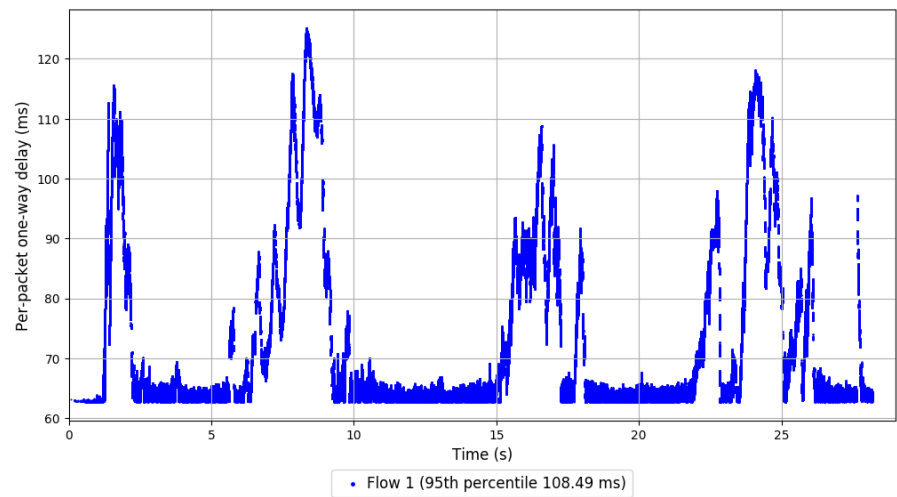
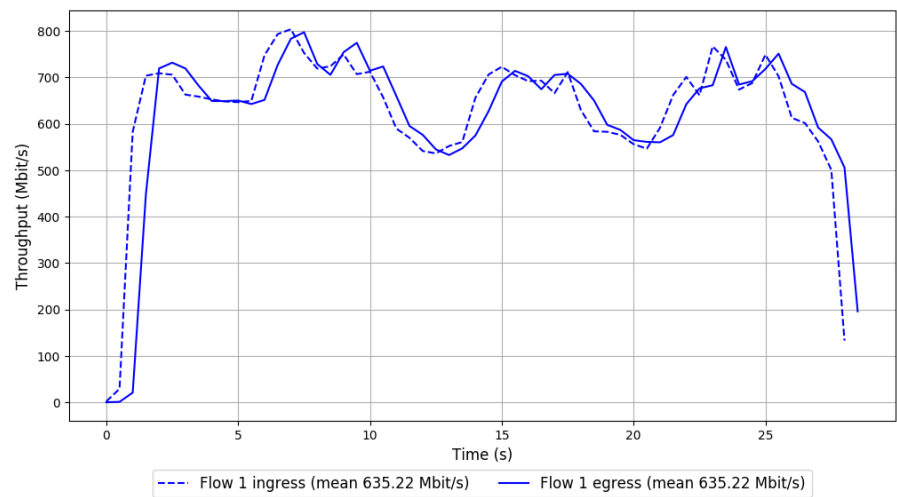
-- Flow 1:

Average throughput: 635.22 Mbit/s

95th percentile per-packet one-way delay: 108.487 ms

Loss rate: 0.00%

Run 3: Report of Indigo-MusesD — Data Link

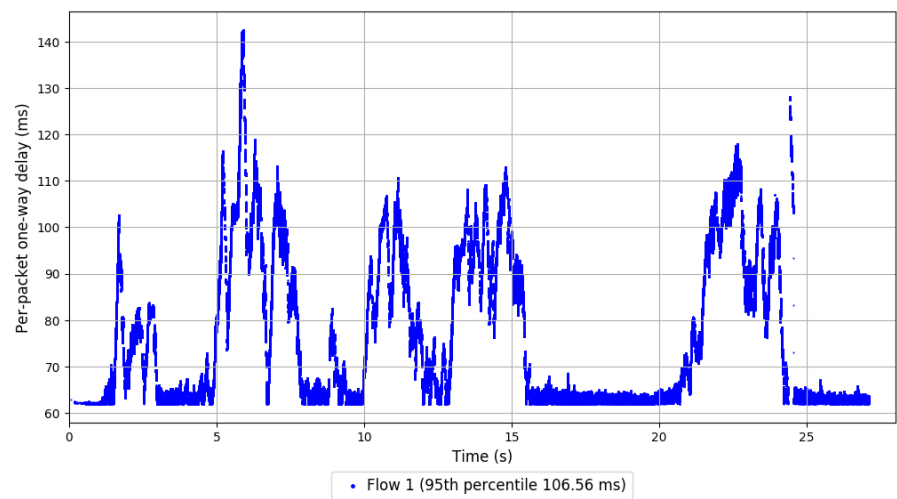
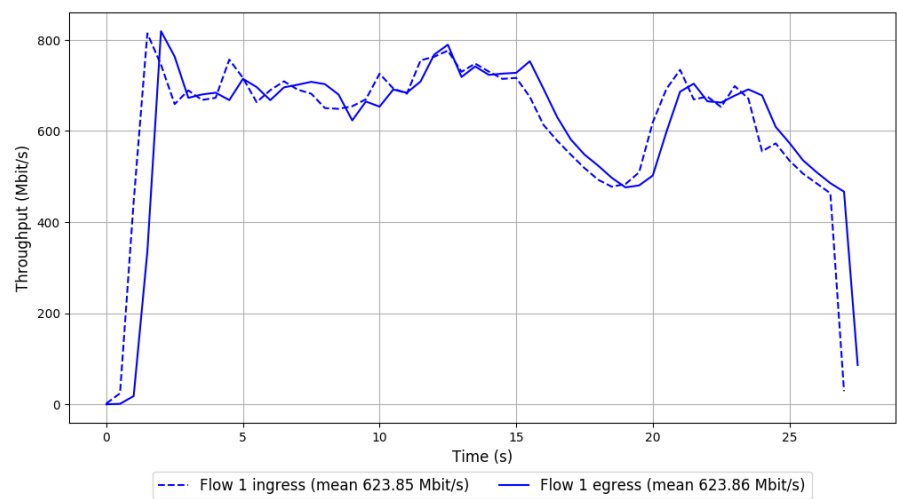


Run 4: Statistics of Indigo-MusesD

Start at: 2019-02-20 08:41:10
End at: 2019-02-20 08:41:40
Local clock offset: -0.071 ms
Remote clock offset: -0.937 ms

Below is generated by plot.py at 2019-02-20 10:41:29
Datalink statistics
-- Total of 1 flow:
Average throughput: 623.86 Mbit/s
95th percentile per-packet one-way delay: 106.556 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 623.86 Mbit/s
95th percentile per-packet one-way delay: 106.556 ms
Loss rate: 0.00%

Run 4: Report of Indigo-MusesD — Data Link

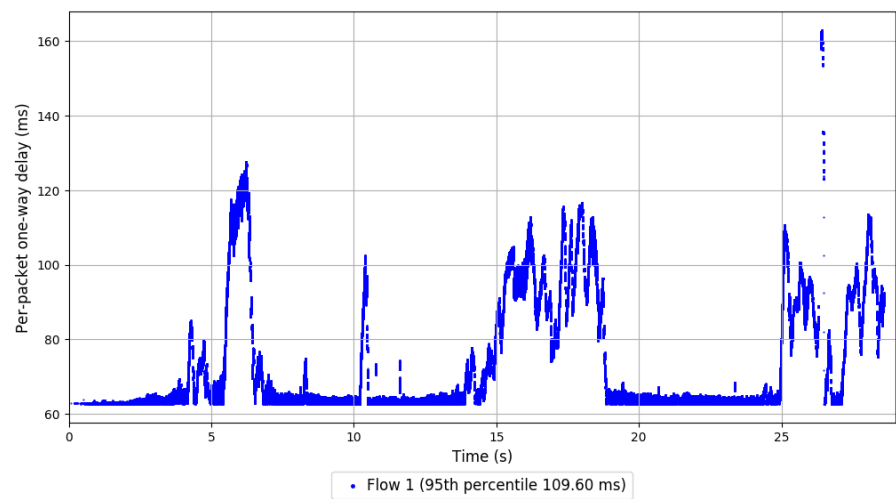
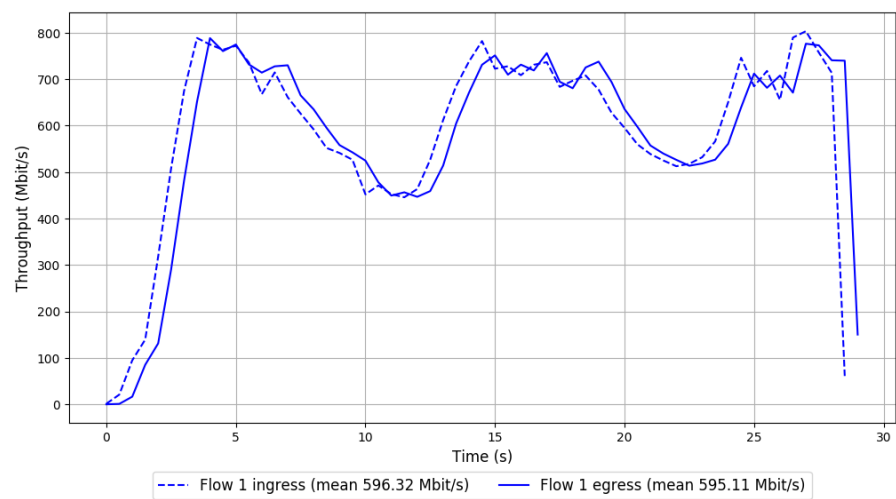


Run 5: Statistics of Indigo-MusesD

Start at: 2019-02-20 09:12:47
End at: 2019-02-20 09:13:17
Local clock offset: -0.084 ms
Remote clock offset: -0.155 ms

Below is generated by plot.py at 2019-02-20 10:44:55
Datalink statistics
-- Total of 1 flow:
Average throughput: 595.11 Mbit/s
95th percentile per-packet one-way delay: 109.600 ms
Loss rate: 0.19%
-- Flow 1:
Average throughput: 595.11 Mbit/s
95th percentile per-packet one-way delay: 109.600 ms
Loss rate: 0.19%

Run 5: Report of Indigo-MusesD — Data Link



Run 1: Statistics of Indigo-MusesT

Start at: 2019-02-20 06:57:51

End at: 2019-02-20 06:58:21

Local clock offset: 0.003 ms

Remote clock offset: -1.493 ms

Below is generated by plot.py at 2019-02-20 10:46:54

Datalink statistics

-- Total of 1 flow:

Average throughput: 687.31 Mbit/s

95th percentile per-packet one-way delay: 137.861 ms

Loss rate: 0.11%

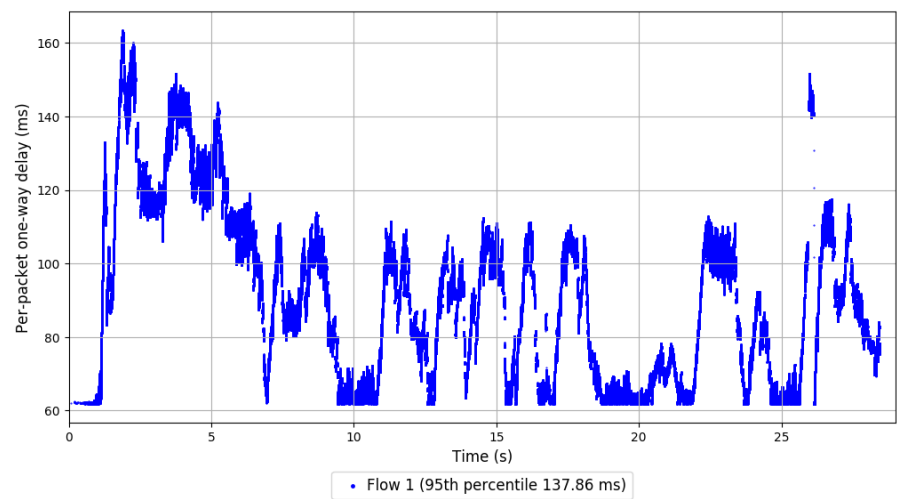
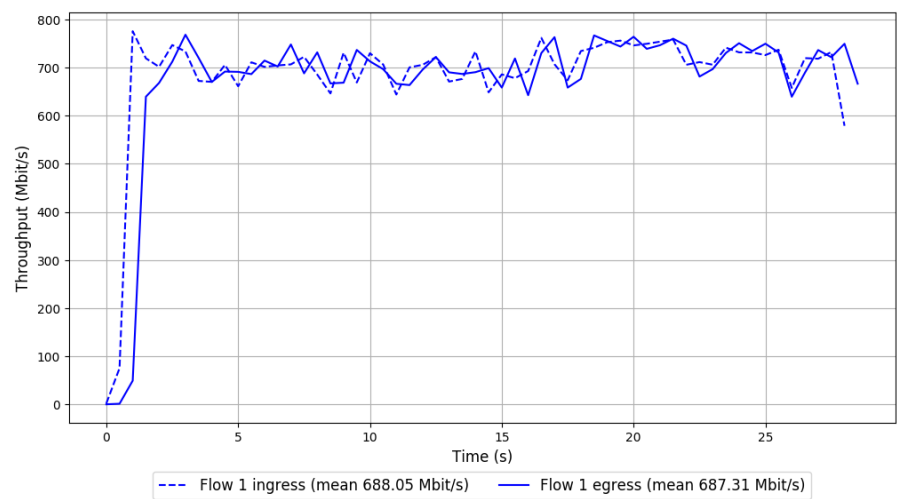
-- Flow 1:

Average throughput: 687.31 Mbit/s

95th percentile per-packet one-way delay: 137.861 ms

Loss rate: 0.11%

Run 1: Report of Indigo-MusesT — Data Link



Run 2: Statistics of Indigo-MusesT

Start at: 2019-02-20 07:29:12

End at: 2019-02-20 07:29:42

Local clock offset: 0.11 ms

Remote clock offset: -0.284 ms

Below is generated by plot.py at 2019-02-20 10:48:19

Datalink statistics

-- Total of 1 flow:

Average throughput: 697.20 Mbit/s

95th percentile per-packet one-way delay: 109.542 ms

Loss rate: 0.09%

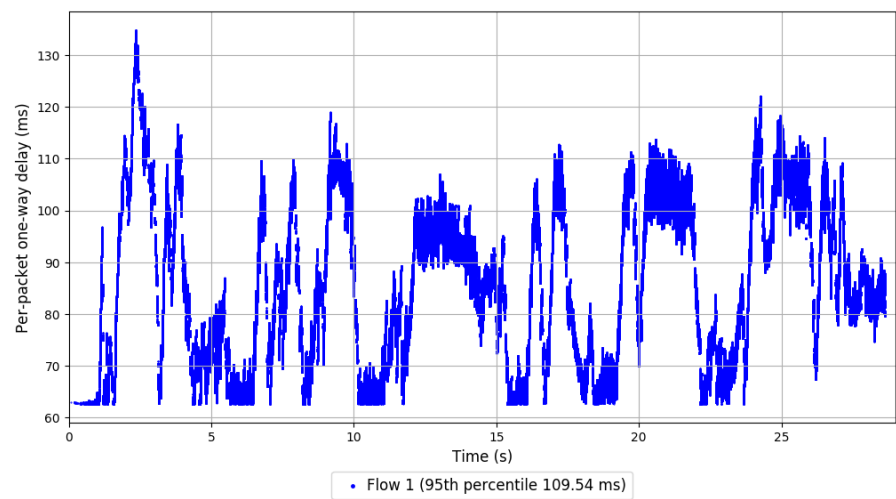
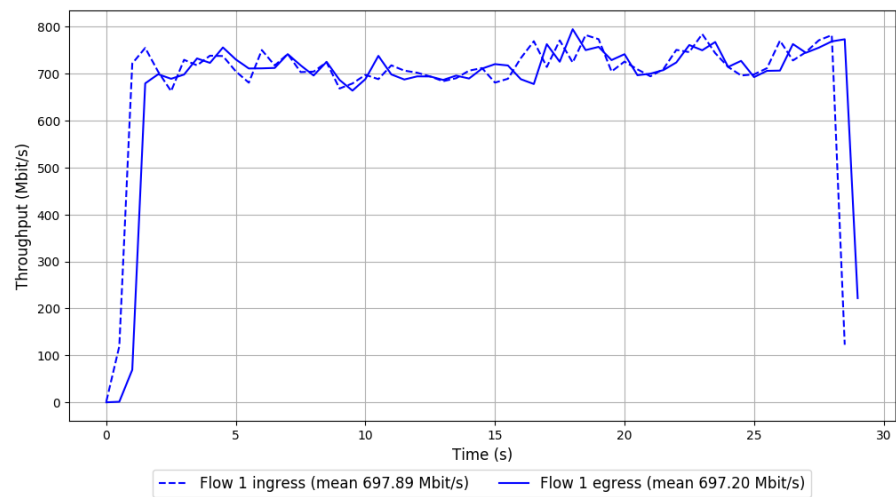
-- Flow 1:

Average throughput: 697.20 Mbit/s

95th percentile per-packet one-way delay: 109.542 ms

Loss rate: 0.09%

Run 2: Report of Indigo-MusesT — Data Link



Run 3: Statistics of Indigo-MusesT

Start at: 2019-02-20 08:00:32

End at: 2019-02-20 08:01:03

Local clock offset: -0.086 ms

Remote clock offset: -1.538 ms

Below is generated by plot.py at 2019-02-20 10:51:11

Datalink statistics

-- Total of 1 flow:

Average throughput: 705.48 Mbit/s

95th percentile per-packet one-way delay: 118.809 ms

Loss rate: 0.18%

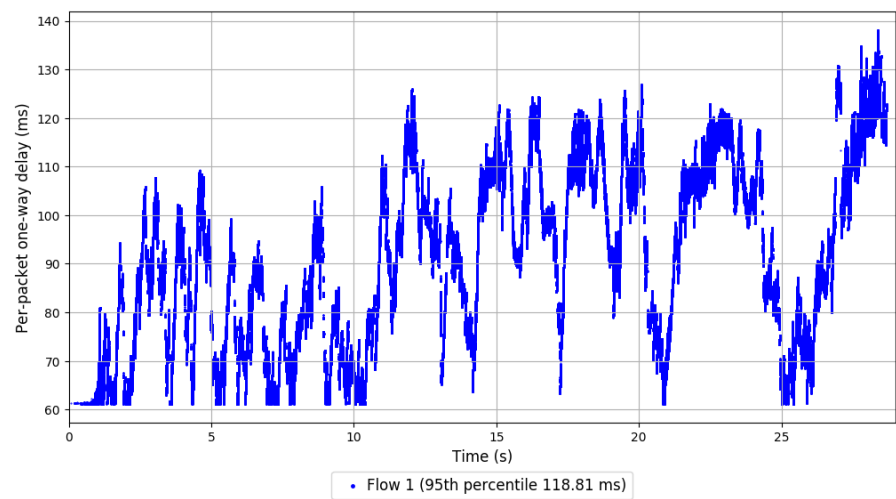
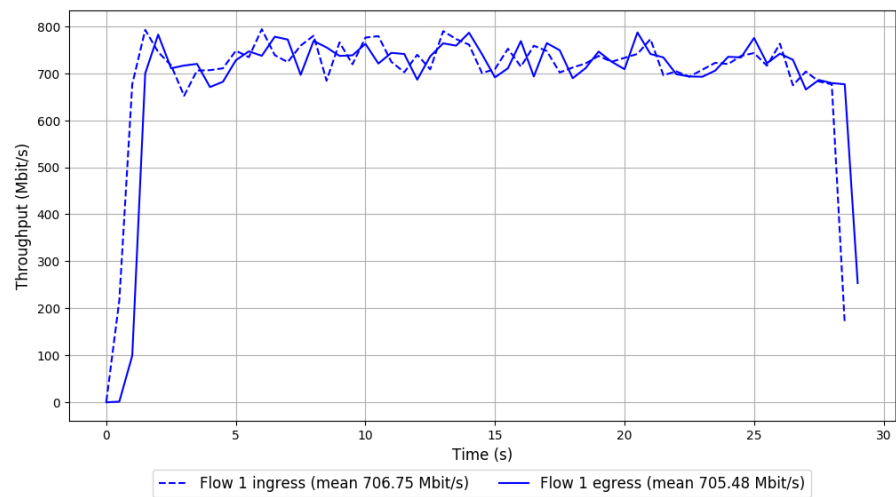
-- Flow 1:

Average throughput: 705.48 Mbit/s

95th percentile per-packet one-way delay: 118.809 ms

Loss rate: 0.18%

Run 3: Report of Indigo-MusesT — Data Link



Run 4: Statistics of Indigo-MusesT

Start at: 2019-02-20 08:31:53

End at: 2019-02-20 08:32:23

Local clock offset: -0.07 ms

Remote clock offset: -1.519 ms

Below is generated by plot.py at 2019-02-20 10:51:42

Datalink statistics

-- Total of 1 flow:

Average throughput: 714.33 Mbit/s

95th percentile per-packet one-way delay: 125.833 ms

Loss rate: 0.01%

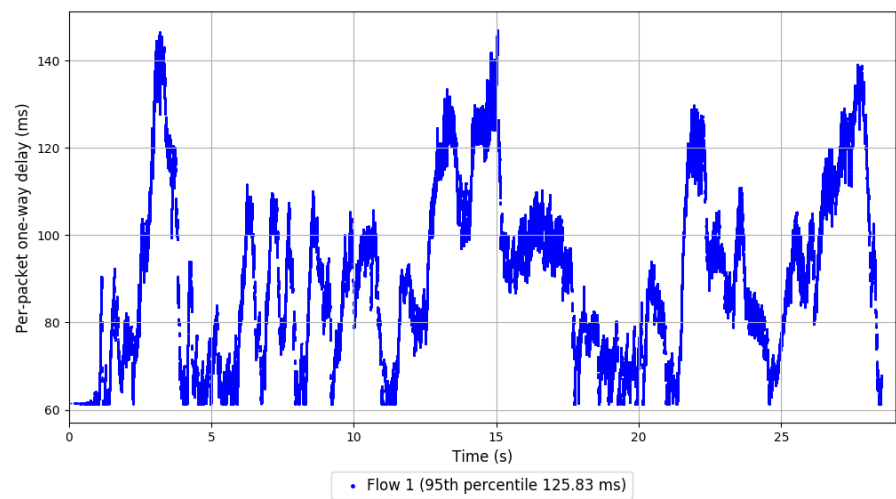
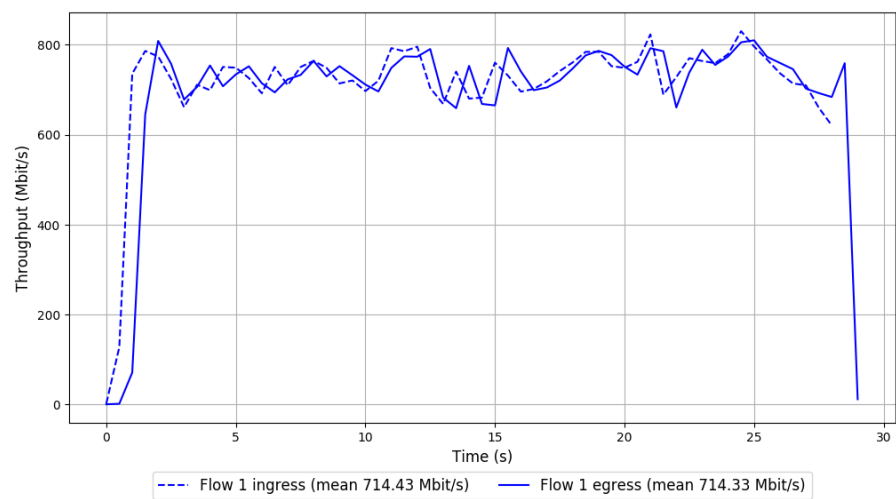
-- Flow 1:

Average throughput: 714.33 Mbit/s

95th percentile per-packet one-way delay: 125.833 ms

Loss rate: 0.01%

Run 4: Report of Indigo-MusesT — Data Link



Run 5: Statistics of Indigo-MusesT

Start at: 2019-02-20 09:03:22

End at: 2019-02-20 09:03:52

Local clock offset: -0.062 ms

Remote clock offset: 0.962 ms

Below is generated by plot.py at 2019-02-20 10:52:28

Datalink statistics

-- Total of 1 flow:

Average throughput: 724.14 Mbit/s

95th percentile per-packet one-way delay: 127.919 ms

Loss rate: 0.16%

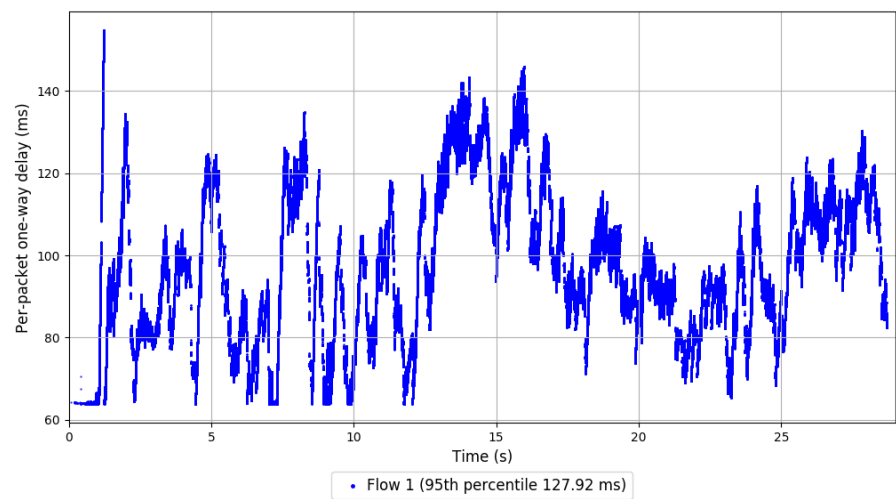
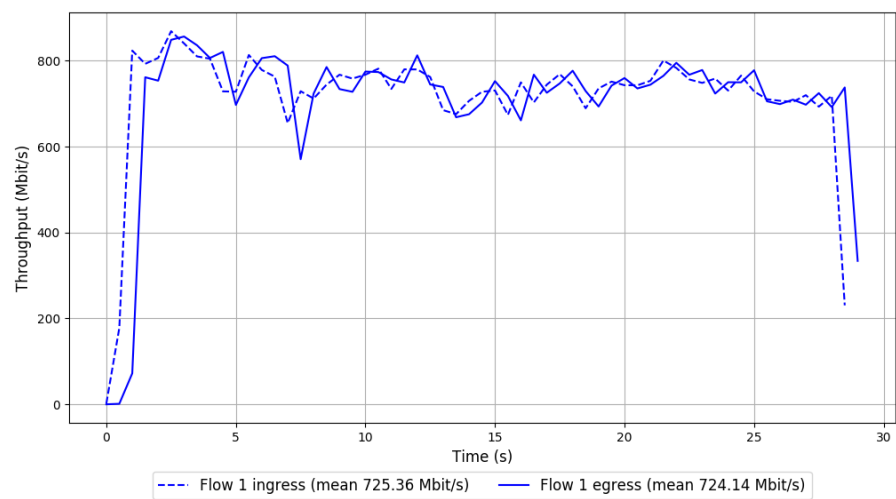
-- Flow 1:

Average throughput: 724.14 Mbit/s

95th percentile per-packet one-way delay: 127.919 ms

Loss rate: 0.16%

Run 5: Report of Indigo-MusesT — Data Link



Run 1: Statistics of LEDBAT

Start at: 2019-02-20 06:51:45

End at: 2019-02-20 06:52:15

Local clock offset: 0.028 ms

Remote clock offset: -1.36 ms

Below is generated by plot.py at 2019-02-20 10:52:28

Datalink statistics

-- Total of 1 flow:

Average throughput: 23.44 Mbit/s

95th percentile per-packet one-way delay: 62.748 ms

Loss rate: 0.00%

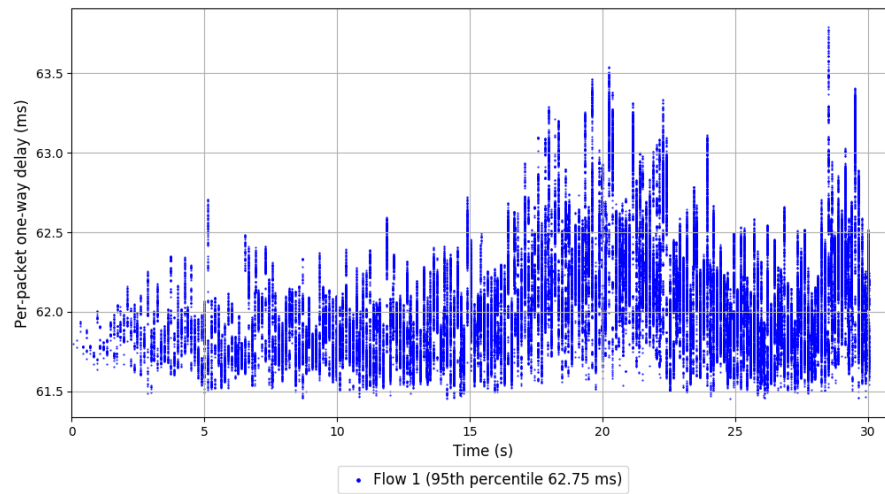
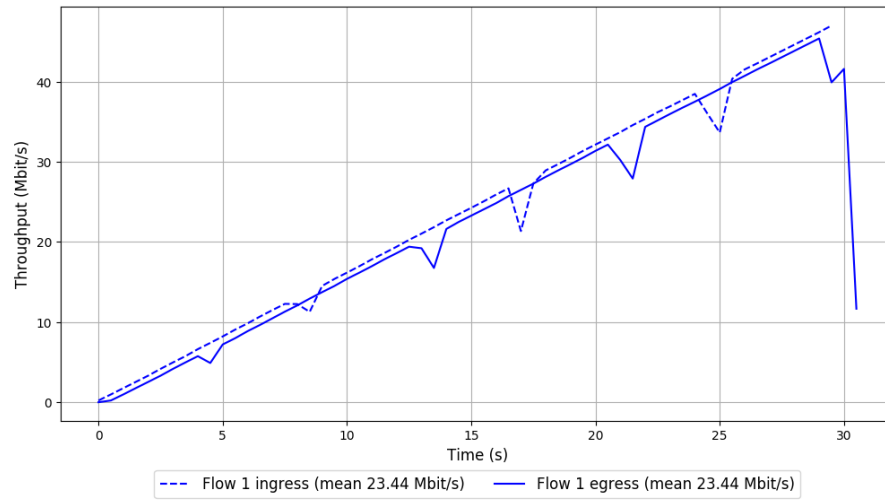
-- Flow 1:

Average throughput: 23.44 Mbit/s

95th percentile per-packet one-way delay: 62.748 ms

Loss rate: 0.00%

Run 1: Report of LEDBAT — Data Link

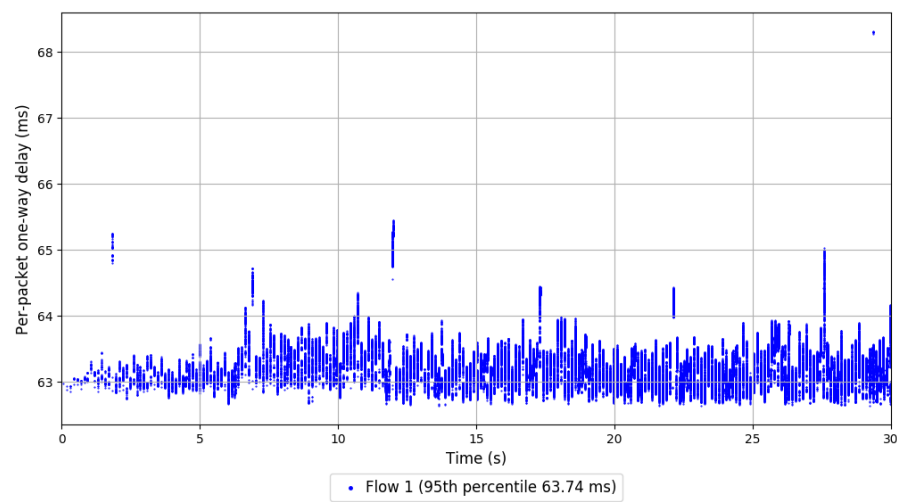
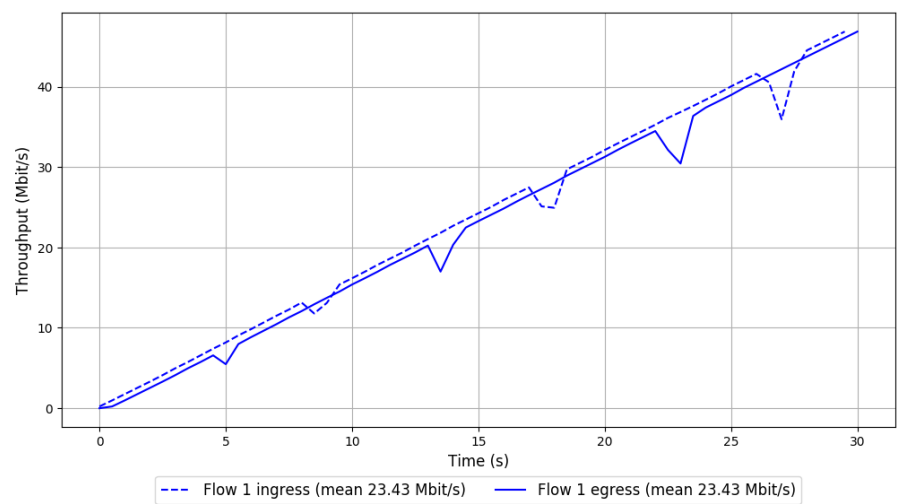


Run 2: Statistics of LEDBAT

Start at: 2019-02-20 07:23:16
End at: 2019-02-20 07:23:46
Local clock offset: 0.06 ms
Remote clock offset: -0.497 ms

Below is generated by plot.py at 2019-02-20 10:52:28
Datalink statistics
-- Total of 1 flow:
Average throughput: 23.43 Mbit/s
95th percentile per-packet one-way delay: 63.745 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 23.43 Mbit/s
95th percentile per-packet one-way delay: 63.745 ms
Loss rate: 0.00%

Run 2: Report of LEDBAT — Data Link



Run 3: Statistics of LEDBAT

Start at: 2019-02-20 07:54:28

End at: 2019-02-20 07:54:58

Local clock offset: -0.072 ms

Remote clock offset: 0.993 ms

Below is generated by plot.py at 2019-02-20 10:52:28

Datalink statistics

-- Total of 1 flow:

Average throughput: 23.26 Mbit/s

95th percentile per-packet one-way delay: 65.754 ms

Loss rate: 0.00%

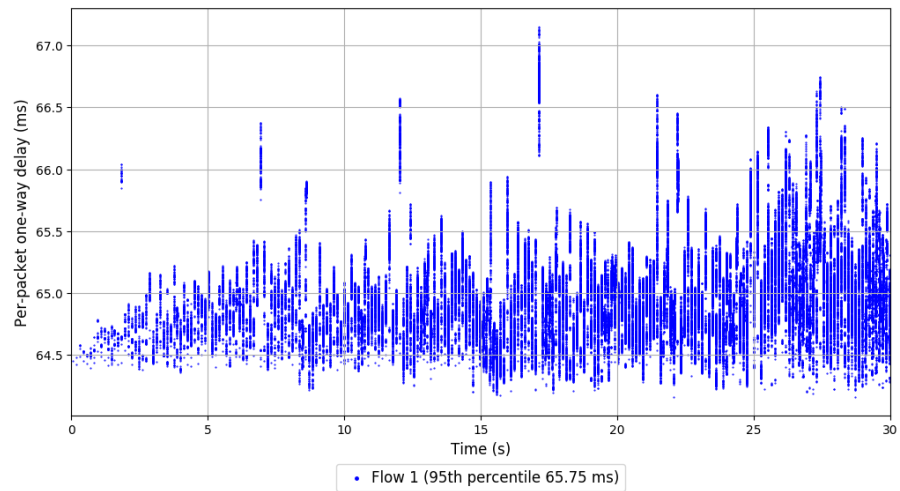
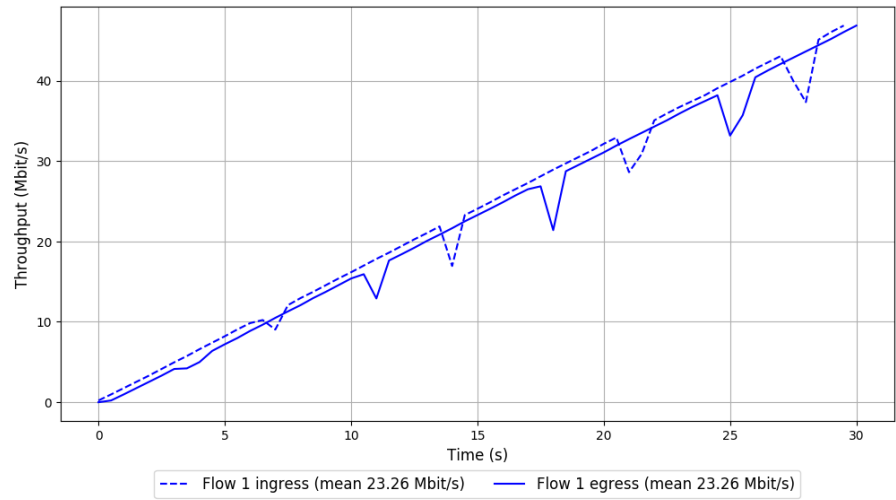
-- Flow 1:

Average throughput: 23.26 Mbit/s

95th percentile per-packet one-way delay: 65.754 ms

Loss rate: 0.00%

Run 3: Report of LEDBAT — Data Link

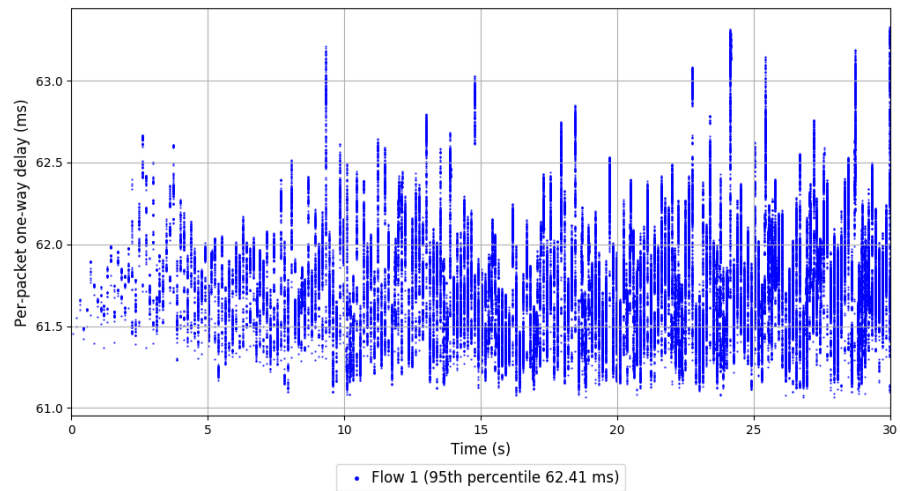
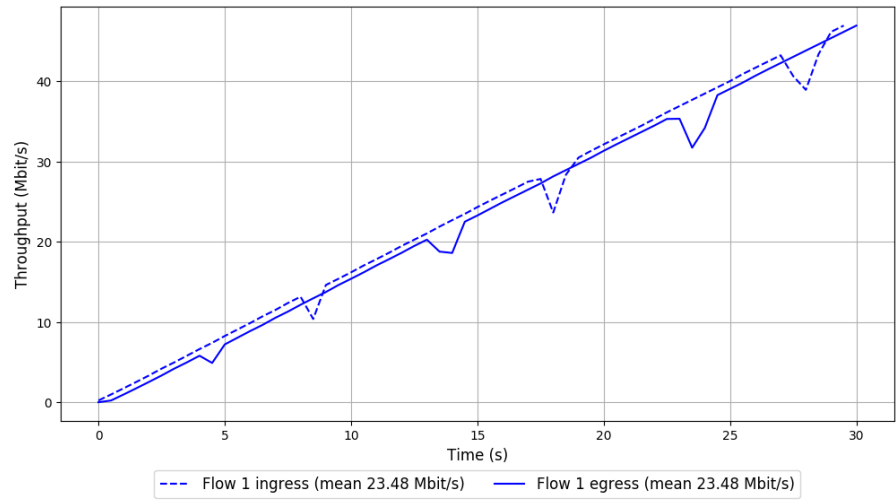


Run 4: Statistics of LEDBAT

Start at: 2019-02-20 08:26:05
End at: 2019-02-20 08:26:35
Local clock offset: -0.12 ms
Remote clock offset: -1.643 ms

Below is generated by plot.py at 2019-02-20 10:52:28
Datalink statistics
-- Total of 1 flow:
Average throughput: 23.48 Mbit/s
95th percentile per-packet one-way delay: 62.405 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 23.48 Mbit/s
95th percentile per-packet one-way delay: 62.405 ms
Loss rate: 0.00%

Run 4: Report of LEDBAT — Data Link

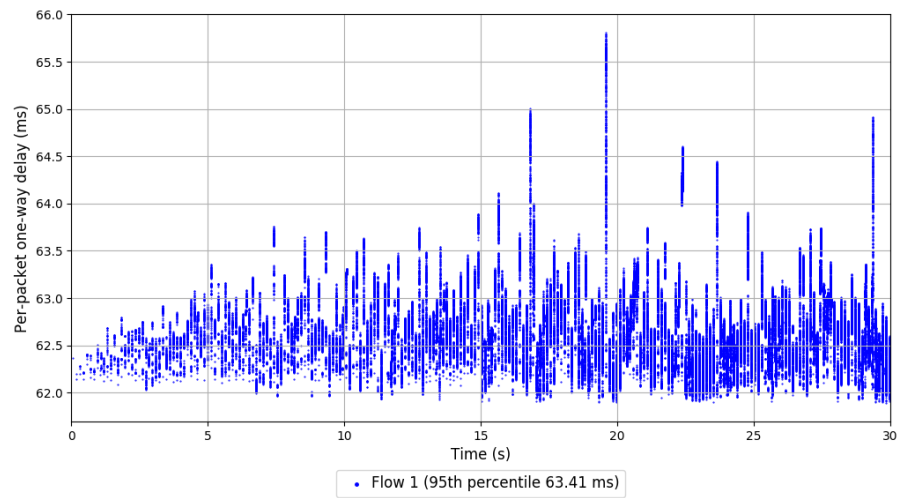
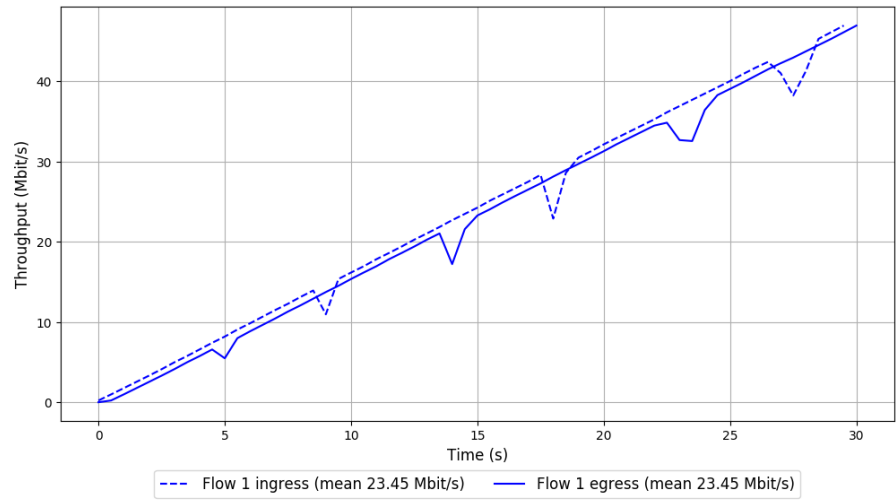


Run 5: Statistics of LEDBAT

Start at: 2019-02-20 08:57:24
End at: 2019-02-20 08:57:54
Local clock offset: -0.097 ms
Remote clock offset: -0.931 ms

Below is generated by plot.py at 2019-02-20 10:52:28
Datalink statistics
-- Total of 1 flow:
Average throughput: 23.45 Mbit/s
95th percentile per-packet one-way delay: 63.412 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 23.45 Mbit/s
95th percentile per-packet one-way delay: 63.412 ms
Loss rate: 0.00%

Run 5: Report of LEDBAT — Data Link



Run 1: Statistics of PCC-Allegro

Start at: 2019-02-20 07:09:52

End at: 2019-02-20 07:10:22

Local clock offset: 0.071 ms

Remote clock offset: -1.388 ms

Below is generated by plot.py at 2019-02-20 10:57:43

Datalink statistics

-- Total of 1 flow:

Average throughput: 430.06 Mbit/s

95th percentile per-packet one-way delay: 168.018 ms

Loss rate: 0.93%

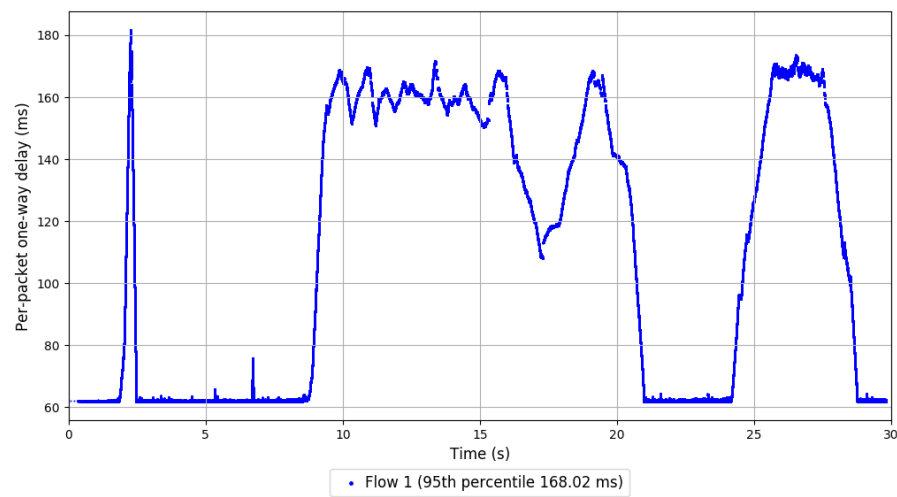
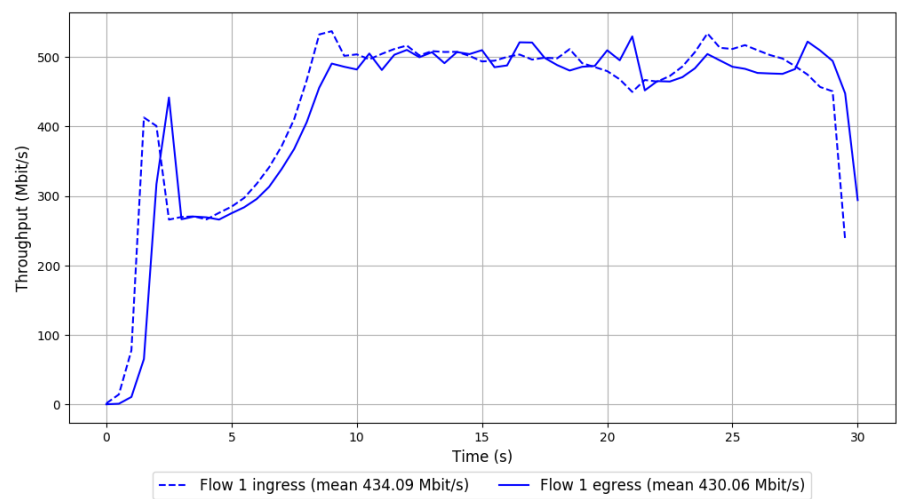
-- Flow 1:

Average throughput: 430.06 Mbit/s

95th percentile per-packet one-way delay: 168.018 ms

Loss rate: 0.93%

Run 1: Report of PCC-Allegro — Data Link



Run 2: Statistics of PCC-Allegro

Start at: 2019-02-20 07:41:09

End at: 2019-02-20 07:41:39

Local clock offset: 0.043 ms

Remote clock offset: -0.204 ms

Below is generated by plot.py at 2019-02-20 10:57:55

Datalink statistics

-- Total of 1 flow:

Average throughput: 423.98 Mbit/s

95th percentile per-packet one-way delay: 146.020 ms

Loss rate: 0.12%

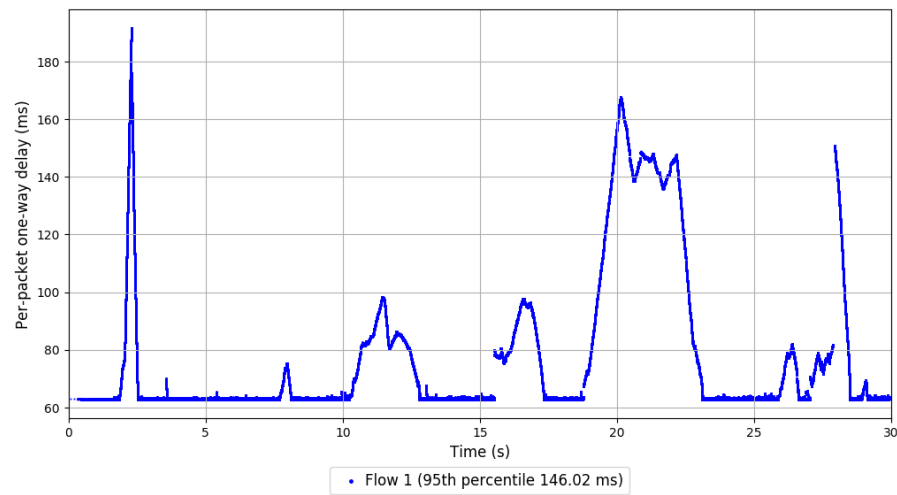
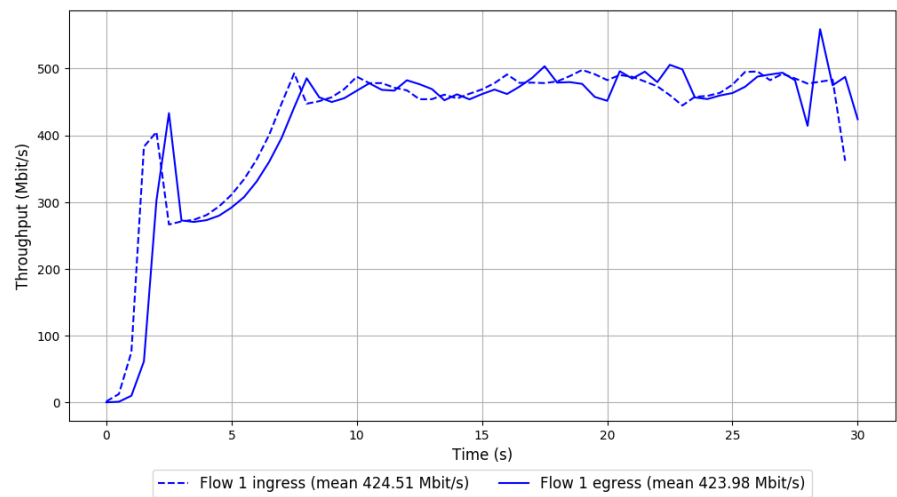
-- Flow 1:

Average throughput: 423.98 Mbit/s

95th percentile per-packet one-way delay: 146.020 ms

Loss rate: 0.12%

Run 2: Report of PCC-Allegro — Data Link



Run 3: Statistics of PCC-Allegro

Start at: 2019-02-20 08:12:42

End at: 2019-02-20 08:13:12

Local clock offset: -0.137 ms

Remote clock offset: -0.641 ms

Below is generated by plot.py at 2019-02-20 11:01:57

Datalink statistics

-- Total of 1 flow:

Average throughput: 464.56 Mbit/s

95th percentile per-packet one-way delay: 169.712 ms

Loss rate: 1.30%

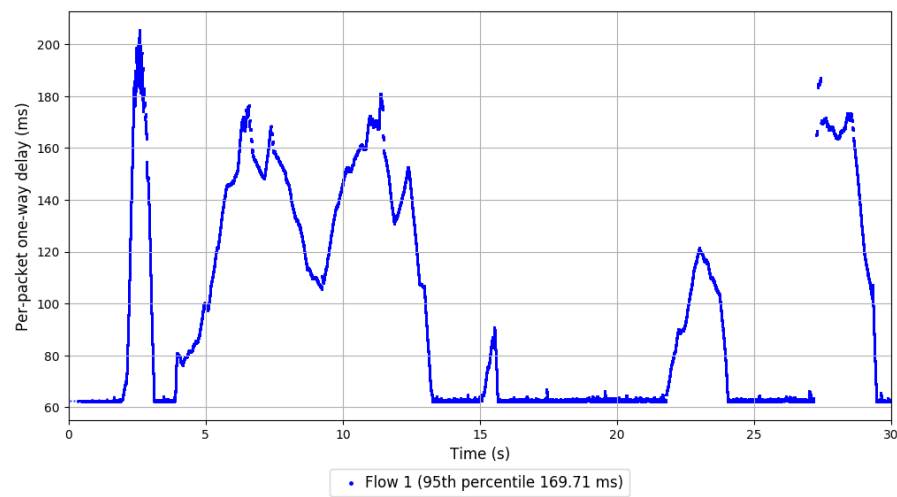
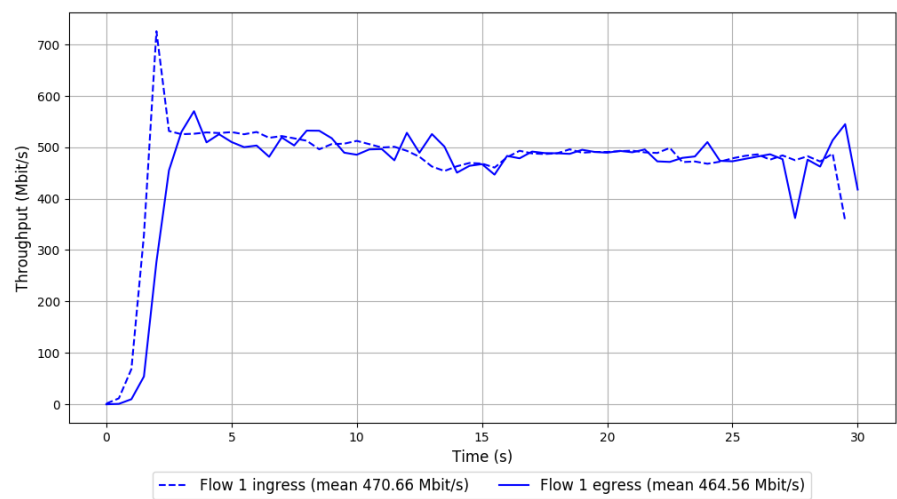
-- Flow 1:

Average throughput: 464.56 Mbit/s

95th percentile per-packet one-way delay: 169.712 ms

Loss rate: 1.30%

Run 3: Report of PCC-Allegro — Data Link



Run 4: Statistics of PCC-Allegro

Start at: 2019-02-20 08:43:54

End at: 2019-02-20 08:44:24

Local clock offset: -0.137 ms

Remote clock offset: -0.204 ms

Below is generated by plot.py at 2019-02-20 11:04:40

Datalink statistics

-- Total of 1 flow:

Average throughput: 476.58 Mbit/s

95th percentile per-packet one-way delay: 176.201 ms

Loss rate: 2.17%

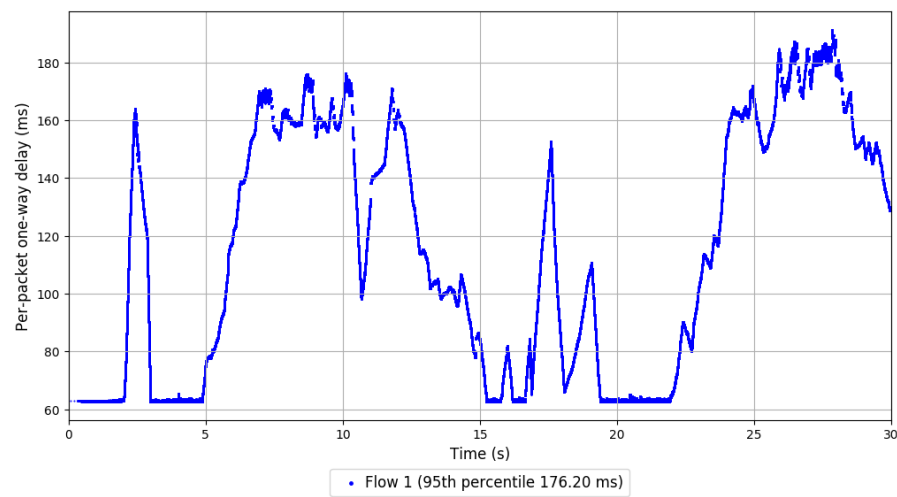
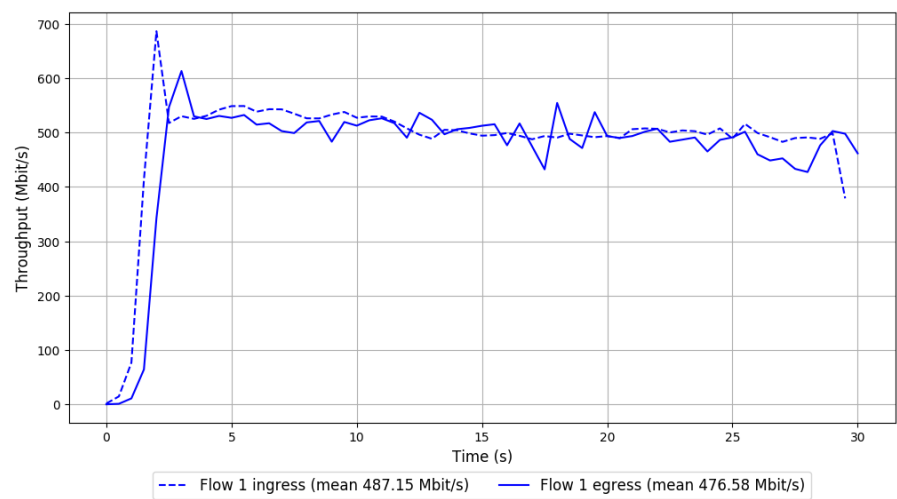
-- Flow 1:

Average throughput: 476.58 Mbit/s

95th percentile per-packet one-way delay: 176.201 ms

Loss rate: 2.17%

Run 4: Report of PCC-Allegro — Data Link

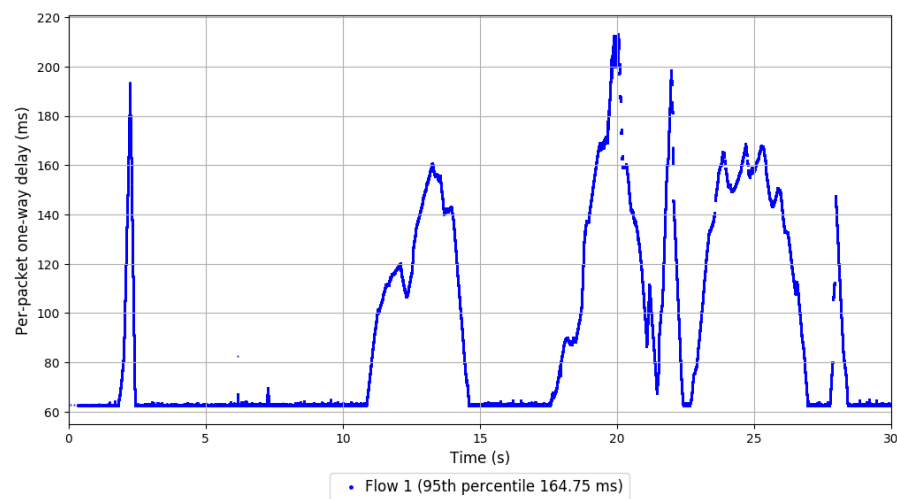
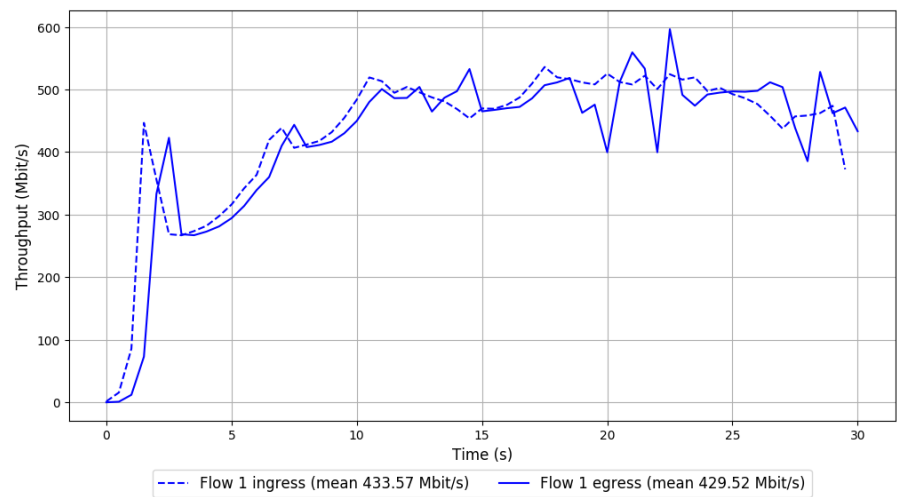


Run 5: Statistics of PCC-Allegro

Start at: 2019-02-20 09:15:30
End at: 2019-02-20 09:16:00
Local clock offset: -0.055 ms
Remote clock offset: -0.467 ms

Below is generated by plot.py at 2019-02-20 11:04:40
Datalink statistics
-- Total of 1 flow:
Average throughput: 429.52 Mbit/s
95th percentile per-packet one-way delay: 164.748 ms
Loss rate: 0.93%
-- Flow 1:
Average throughput: 429.52 Mbit/s
95th percentile per-packet one-way delay: 164.748 ms
Loss rate: 0.93%

Run 5: Report of PCC-Allegro — Data Link



Run 1: Statistics of PCC-Expr

Start at: 2019-02-20 06:56:14

End at: 2019-02-20 06:56:44

Local clock offset: 0.049 ms

Remote clock offset: -1.488 ms

Below is generated by plot.py at 2019-02-20 11:04:40

Datalink statistics

-- Total of 1 flow:

Average throughput: 336.83 Mbit/s

95th percentile per-packet one-way delay: 140.134 ms

Loss rate: 0.65%

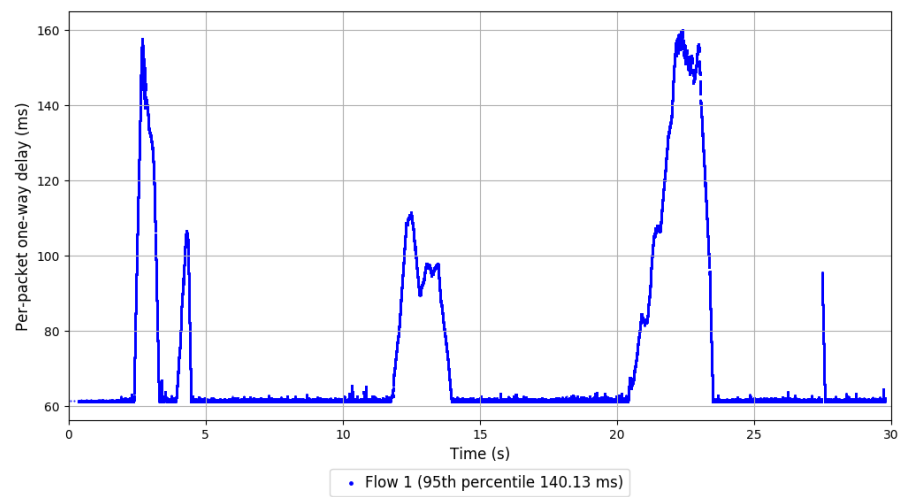
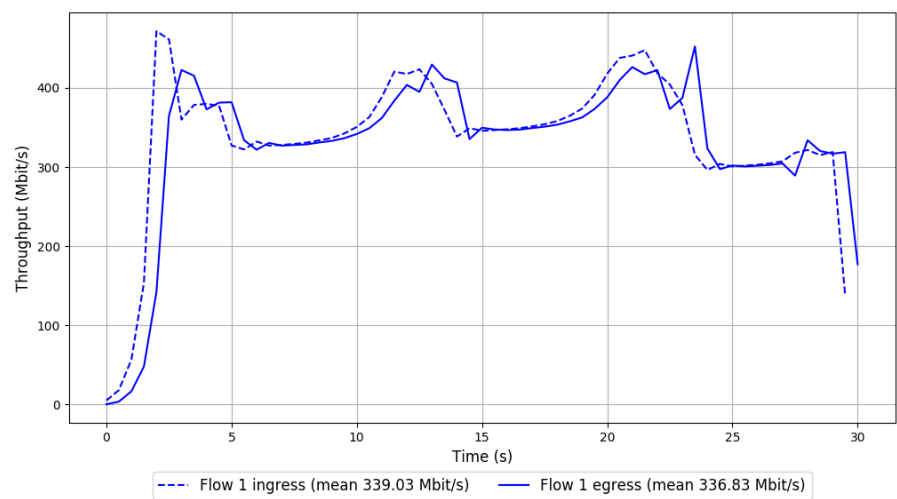
-- Flow 1:

Average throughput: 336.83 Mbit/s

95th percentile per-packet one-way delay: 140.134 ms

Loss rate: 0.65%

Run 1: Report of PCC-Expr — Data Link



Run 2: Statistics of PCC-Expr

Start at: 2019-02-20 07:27:35

End at: 2019-02-20 07:28:05

Local clock offset: 0.09 ms

Remote clock offset: -0.081 ms

Below is generated by plot.py at 2019-02-20 11:04:40

Datalink statistics

-- Total of 1 flow:

Average throughput: 327.73 Mbit/s

95th percentile per-packet one-way delay: 142.561 ms

Loss rate: 0.43%

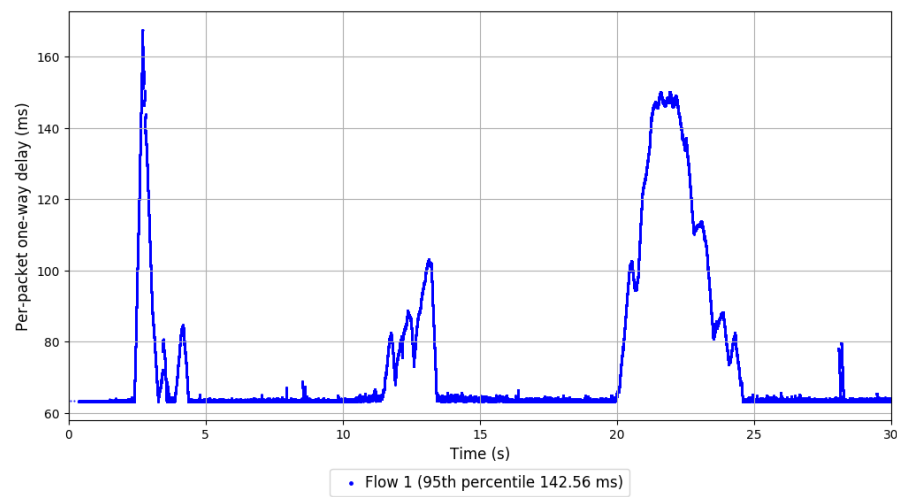
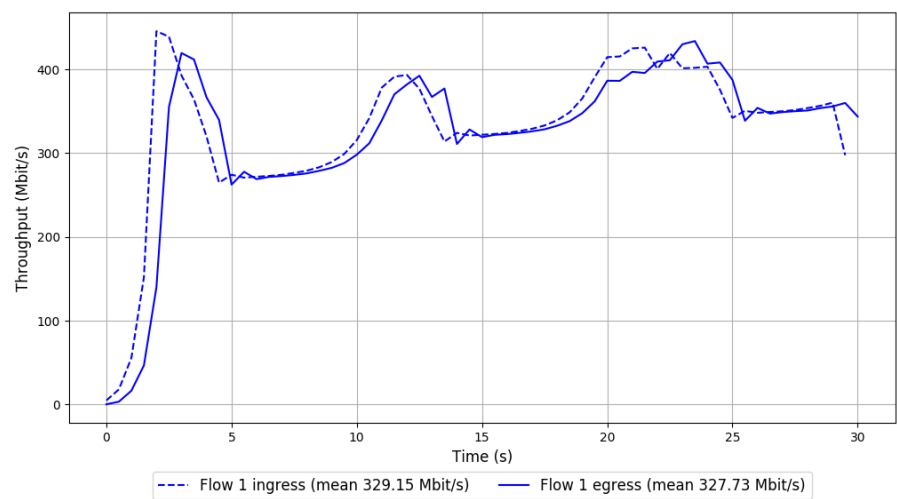
-- Flow 1:

Average throughput: 327.73 Mbit/s

95th percentile per-packet one-way delay: 142.561 ms

Loss rate: 0.43%

Run 2: Report of PCC-Expr — Data Link



Run 3: Statistics of PCC-Expr

Start at: 2019-02-20 07:58:54

End at: 2019-02-20 07:59:24

Local clock offset: -0.099 ms

Remote clock offset: -0.311 ms

Below is generated by plot.py at 2019-02-20 11:05:31

Datalink statistics

-- Total of 1 flow:

Average throughput: 350.73 Mbit/s

95th percentile per-packet one-way delay: 101.081 ms

Loss rate: 0.00%

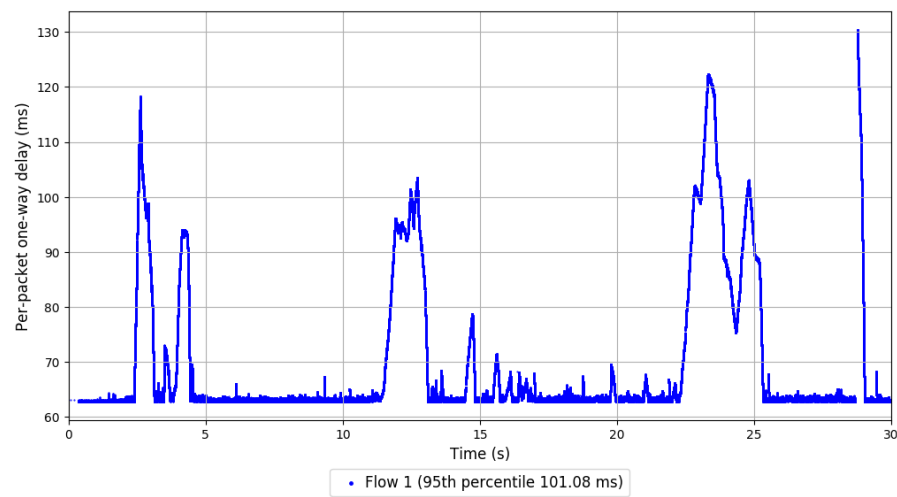
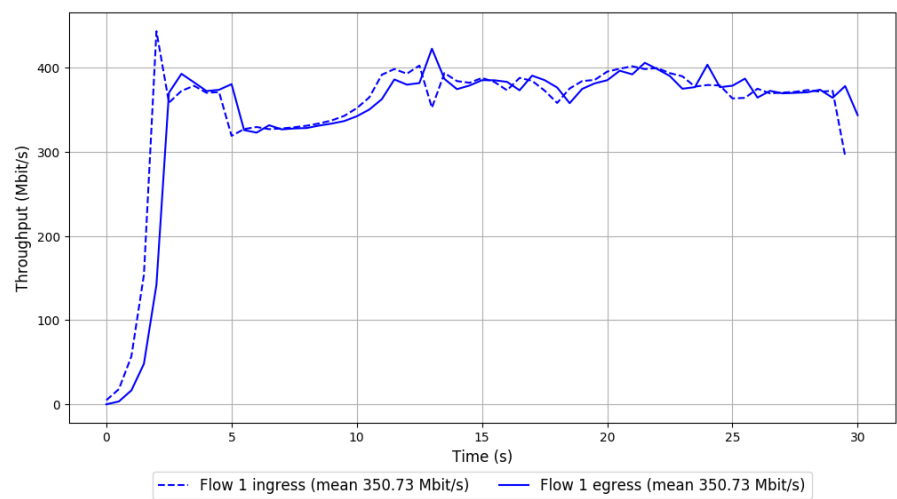
-- Flow 1:

Average throughput: 350.73 Mbit/s

95th percentile per-packet one-way delay: 101.081 ms

Loss rate: 0.00%

Run 3: Report of PCC-Expr — Data Link



Run 4: Statistics of PCC-Expr

Start at: 2019-02-20 08:30:15

End at: 2019-02-20 08:30:45

Local clock offset: -0.054 ms

Remote clock offset: 0.52 ms

Below is generated by plot.py at 2019-02-20 11:10:04

Datalink statistics

-- Total of 1 flow:

Average throughput: 340.73 Mbit/s

95th percentile per-packet one-way delay: 120.979 ms

Loss rate: 0.39%

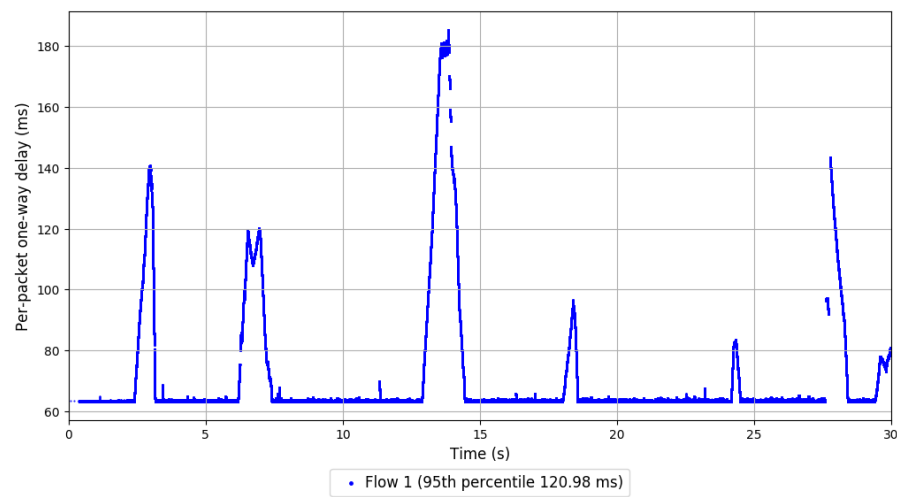
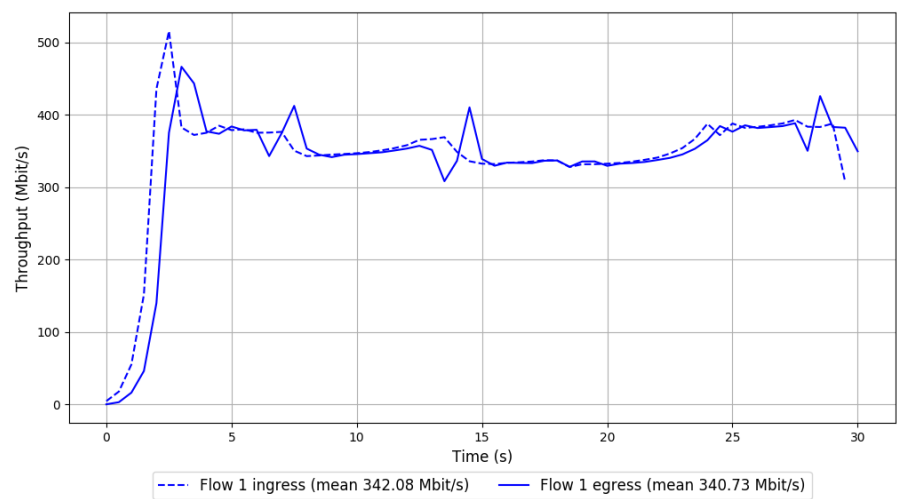
-- Flow 1:

Average throughput: 340.73 Mbit/s

95th percentile per-packet one-way delay: 120.979 ms

Loss rate: 0.39%

Run 4: Report of PCC-Expr — Data Link

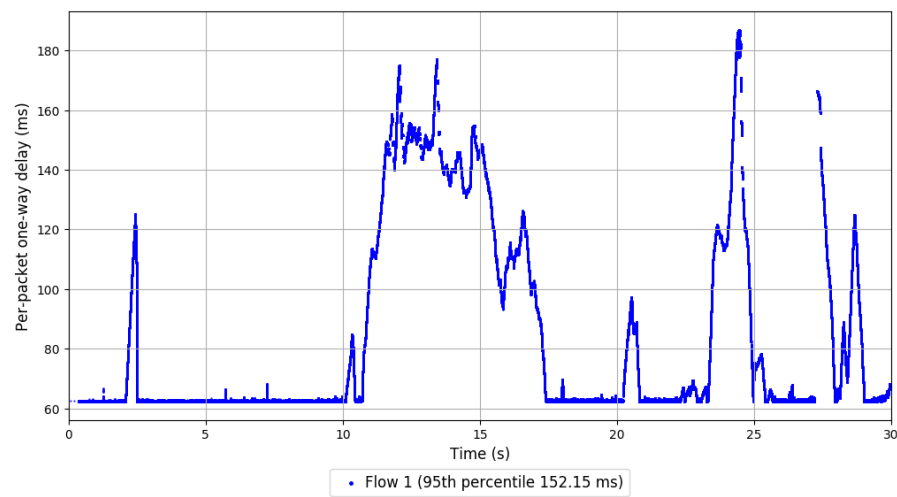
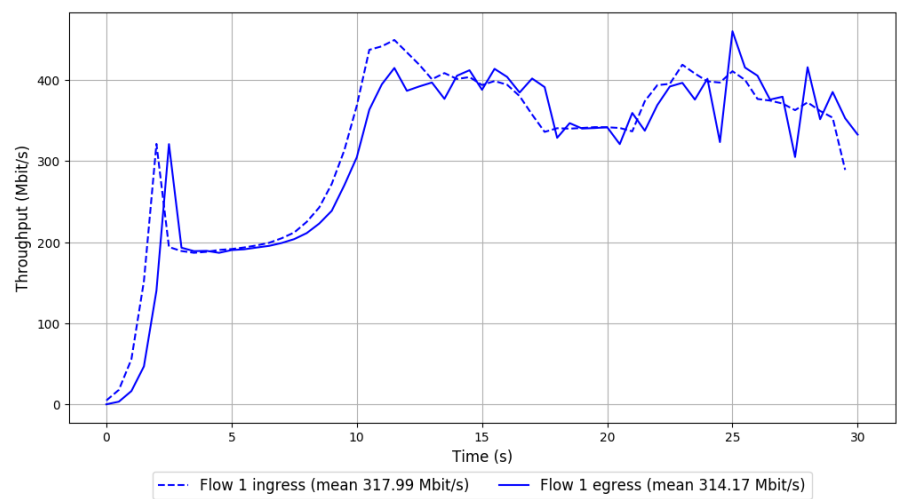


Run 5: Statistics of PCC-Expr

Start at: 2019-02-20 09:01:45
End at: 2019-02-20 09:02:16
Local clock offset: -0.079 ms
Remote clock offset: -0.901 ms

Below is generated by plot.py at 2019-02-20 11:10:04
Datalink statistics
-- Total of 1 flow:
Average throughput: 314.17 Mbit/s
95th percentile per-packet one-way delay: 152.149 ms
Loss rate: 1.20%
-- Flow 1:
Average throughput: 314.17 Mbit/s
95th percentile per-packet one-way delay: 152.149 ms
Loss rate: 1.20%

Run 5: Report of PCC-Expr — Data Link



Run 1: Statistics of QUIC Cubic

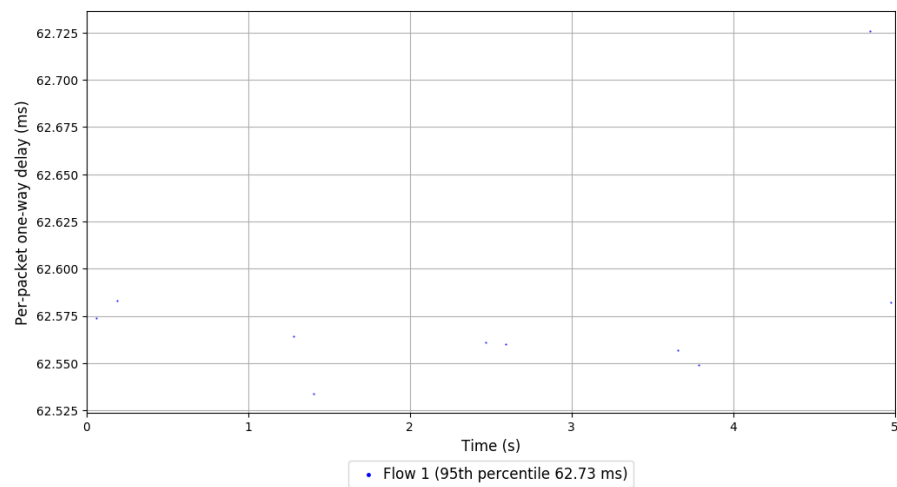
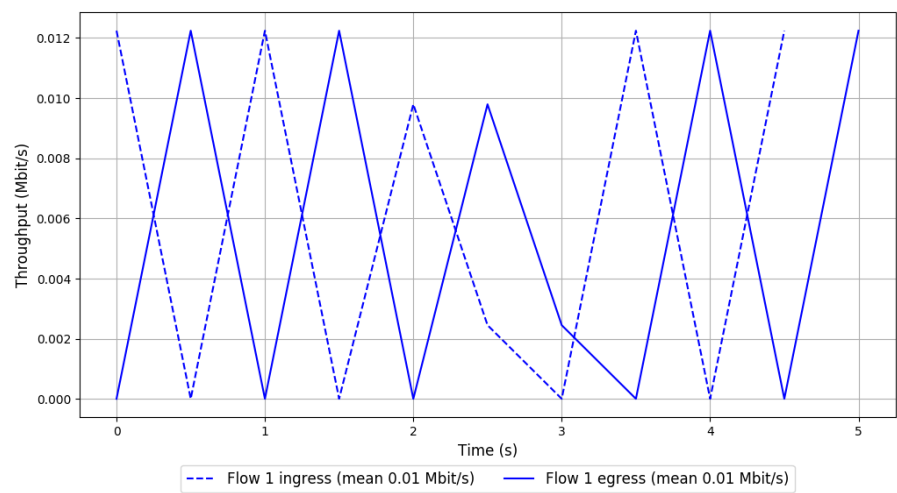
Start at: 2019-02-20 07:04:20

End at: 2019-02-20 07:04:50

Local clock offset: 0.044 ms

Remote clock offset: -0.424 ms

Run 1: Report of QUIC Cubic — Data Link



Run 2: Statistics of QUIC Cubic

Start at: 2019-02-20 07:35:34

End at: 2019-02-20 07:36:04

Local clock offset: 0.075 ms

Remote clock offset: -0.875 ms

Below is generated by plot.py at 2019-02-20 11:10:04

Datalink statistics

-- Total of 1 flow:

Average throughput: 63.45 Mbit/s

95th percentile per-packet one-way delay: 62.225 ms

Loss rate: 0.00%

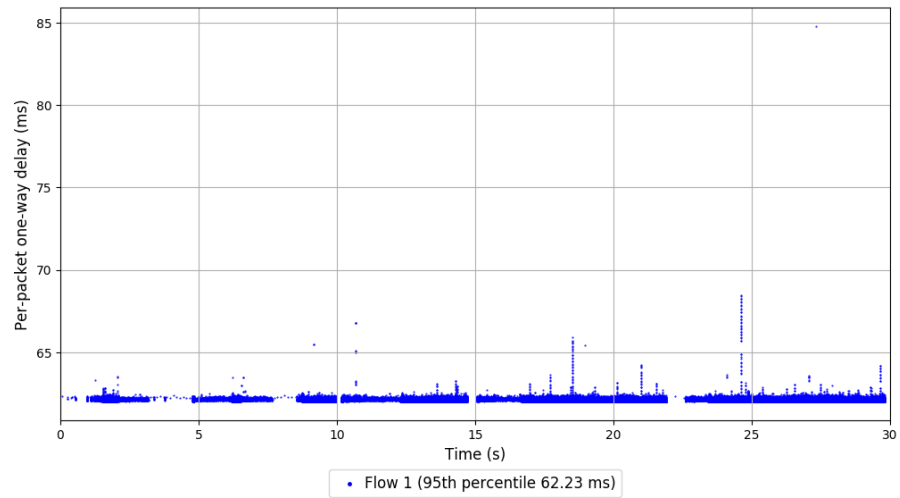
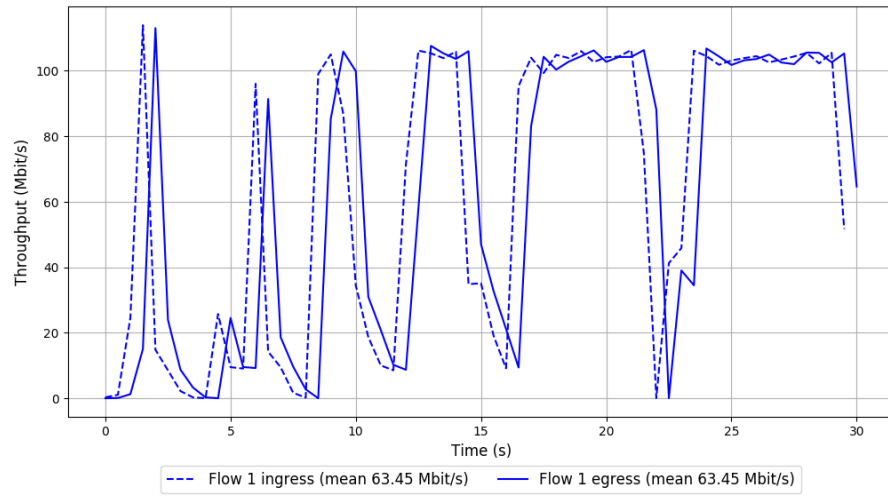
-- Flow 1:

Average throughput: 63.45 Mbit/s

95th percentile per-packet one-way delay: 62.225 ms

Loss rate: 0.00%

Run 2: Report of QUIC Cubic — Data Link



Run 3: Statistics of QUIC Cubic

Start at: 2019-02-20 08:07:05

End at: 2019-02-20 08:07:35

Local clock offset: -0.109 ms

Remote clock offset: -1.501 ms

Below is generated by plot.py at 2019-02-20 11:10:05

Datalink statistics

-- Total of 1 flow:

Average throughput: 64.85 Mbit/s

95th percentile per-packet one-way delay: 61.635 ms

Loss rate: 0.00%

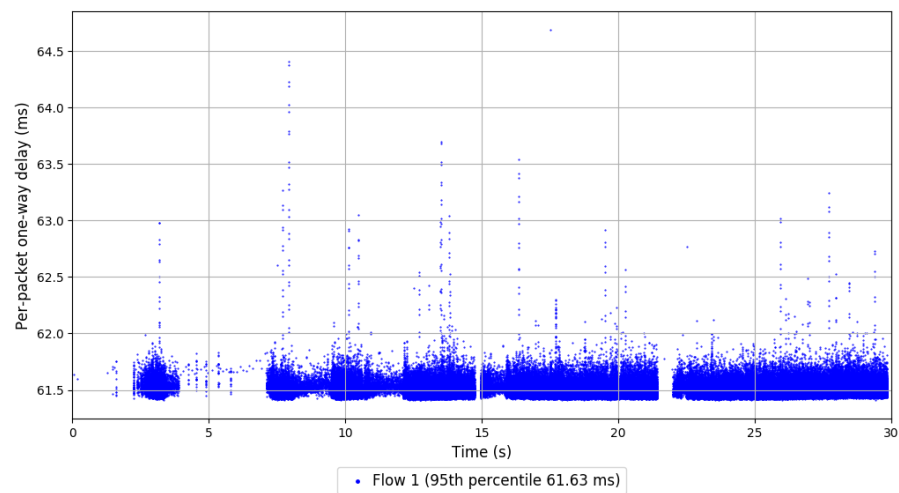
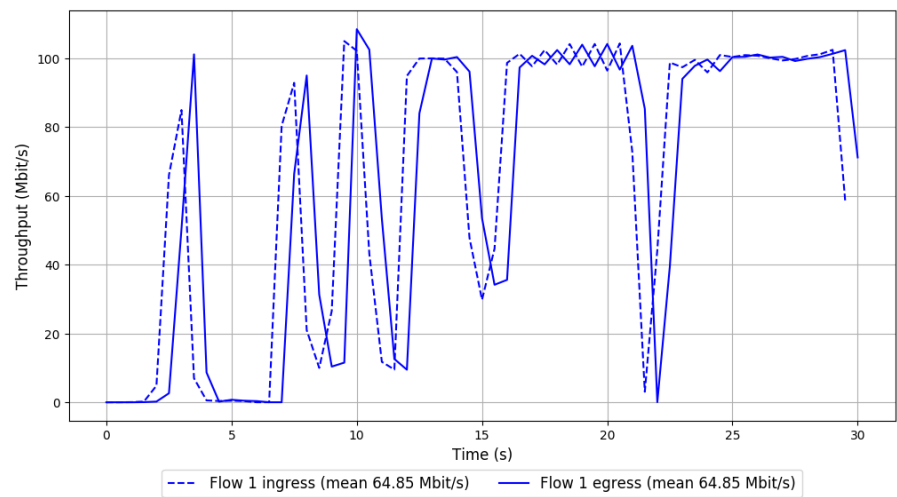
-- Flow 1:

Average throughput: 64.85 Mbit/s

95th percentile per-packet one-way delay: 61.635 ms

Loss rate: 0.00%

Run 3: Report of QUIC Cubic — Data Link

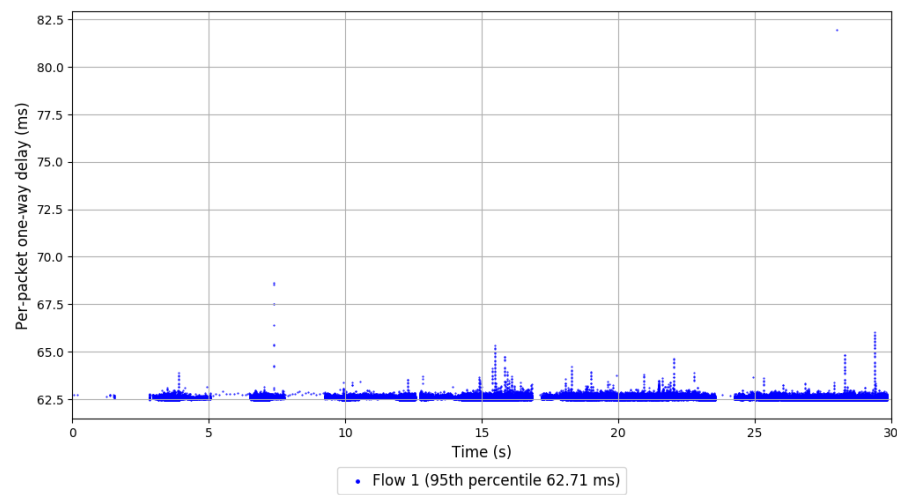
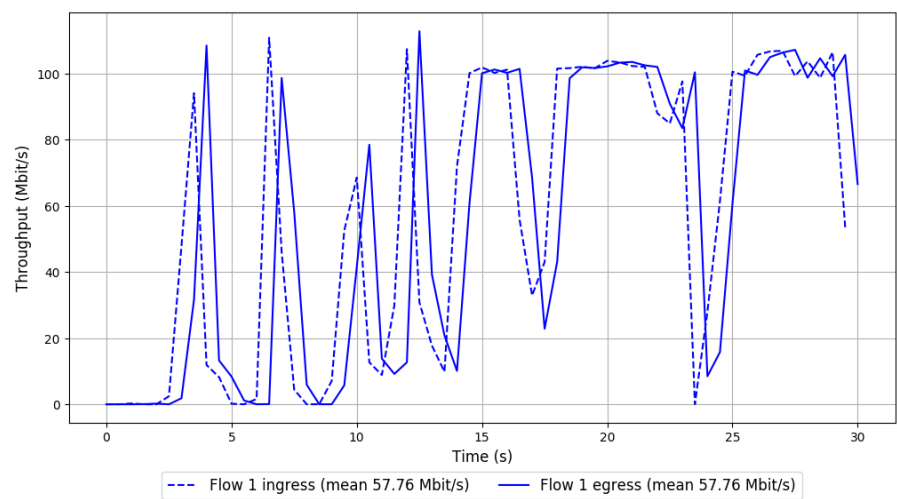


Run 4: Statistics of QUIC Cubic

Start at: 2019-02-20 08:38:20
End at: 2019-02-20 08:38:50
Local clock offset: -0.075 ms
Remote clock offset: -0.324 ms

Below is generated by plot.py at 2019-02-20 11:10:05
Datalink statistics
-- Total of 1 flow:
Average throughput: 57.76 Mbit/s
95th percentile per-packet one-way delay: 62.710 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 57.76 Mbit/s
95th percentile per-packet one-way delay: 62.710 ms
Loss rate: 0.00%

Run 4: Report of QUIC Cubic — Data Link



Run 5: Statistics of QUIC Cubic

Start at: 2019-02-20 09:09:58

End at: 2019-02-20 09:10:28

Local clock offset: -0.058 ms

Remote clock offset: -1.539 ms

Below is generated by plot.py at 2019-02-20 11:10:05

Datalink statistics

-- Total of 1 flow:

Average throughput: 68.31 Mbit/s

95th percentile per-packet one-way delay: 61.536 ms

Loss rate: 0.00%

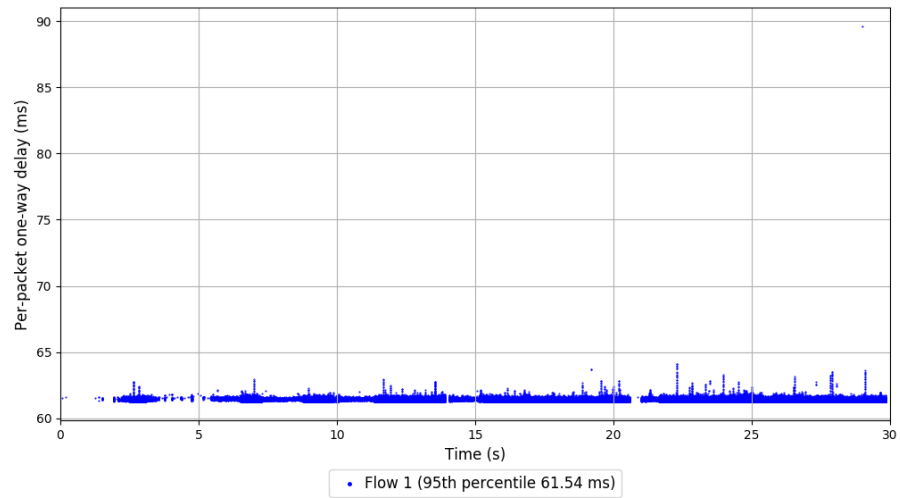
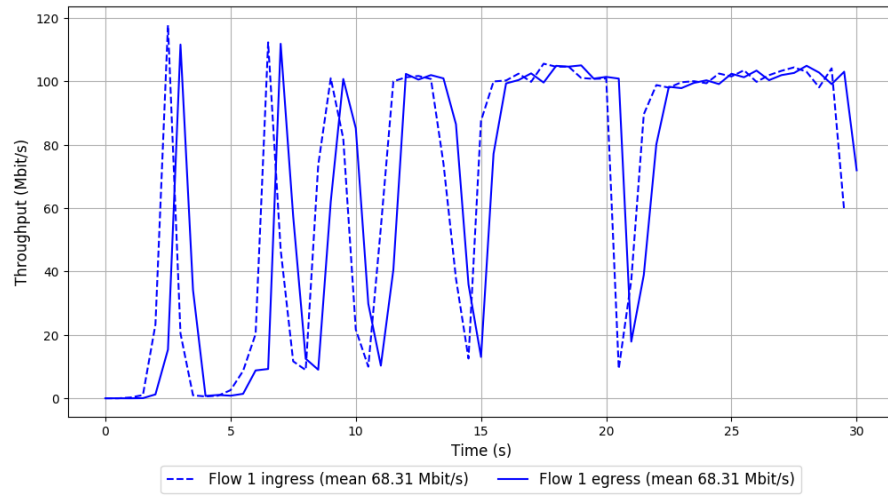
-- Flow 1:

Average throughput: 68.31 Mbit/s

95th percentile per-packet one-way delay: 61.536 ms

Loss rate: 0.00%

Run 5: Report of QUIC Cubic — Data Link

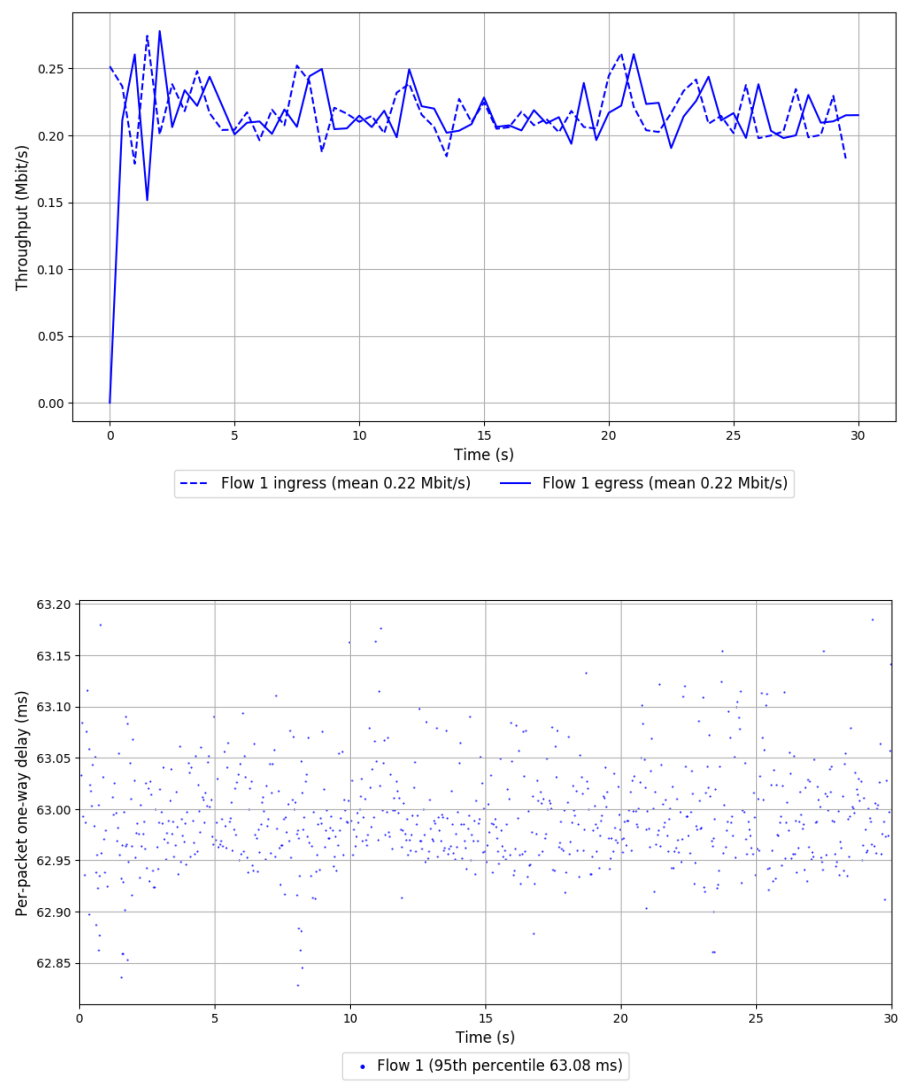


Run 1: Statistics of SCReAM

Start at: 2019-02-20 07:08:44
End at: 2019-02-20 07:09:14
Local clock offset: 0.084 ms
Remote clock offset: -0.476 ms

Below is generated by plot.py at 2019-02-20 11:10:05
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 63.082 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 63.082 ms
Loss rate: 0.00%

Run 1: Report of SReAM — Data Link

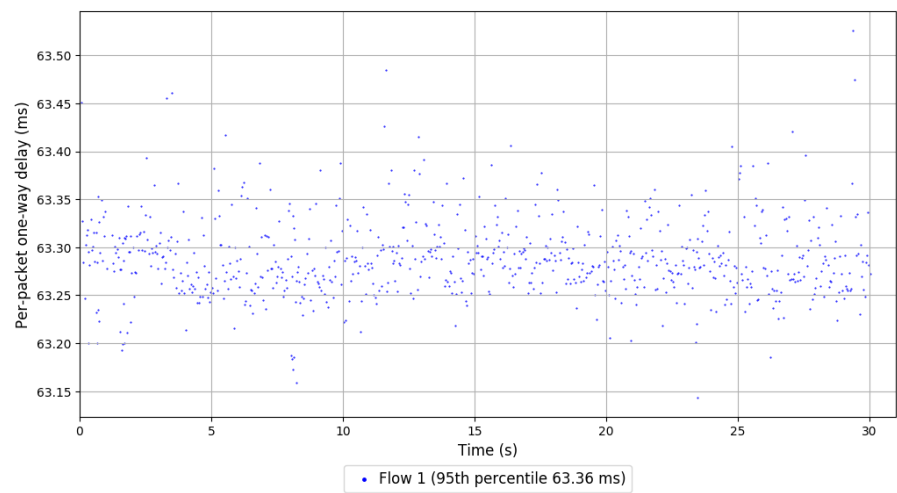
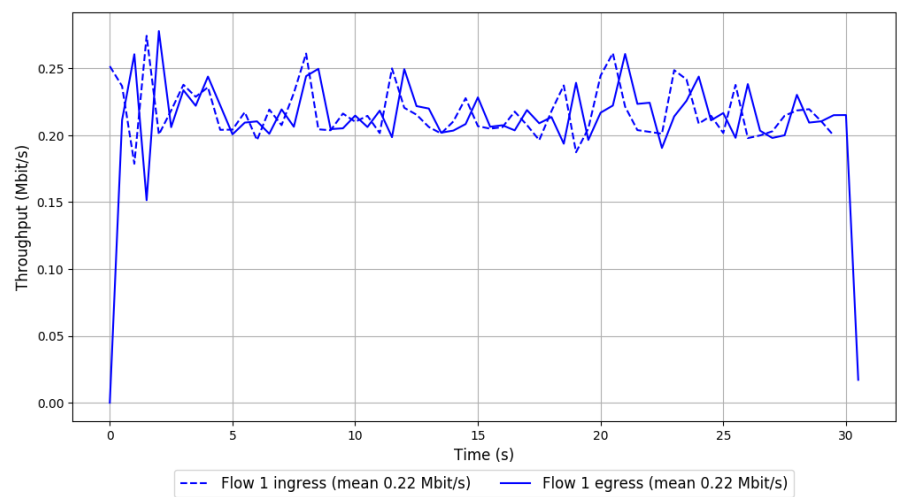


Run 2: Statistics of SCReAM

Start at: 2019-02-20 07:40:01
End at: 2019-02-20 07:40:31
Local clock offset: 0.106 ms
Remote clock offset: -0.172 ms

Below is generated by plot.py at 2019-02-20 11:10:05
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 63.363 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 63.363 ms
Loss rate: 0.00%

Run 2: Report of SReAM — Data Link



Run 3: Statistics of SCReAM

Start at: 2019-02-20 08:11:34

End at: 2019-02-20 08:12:04

Local clock offset: -0.147 ms

Remote clock offset: 1.048 ms

Below is generated by plot.py at 2019-02-20 11:10:05

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 64.276 ms

Loss rate: 0.00%

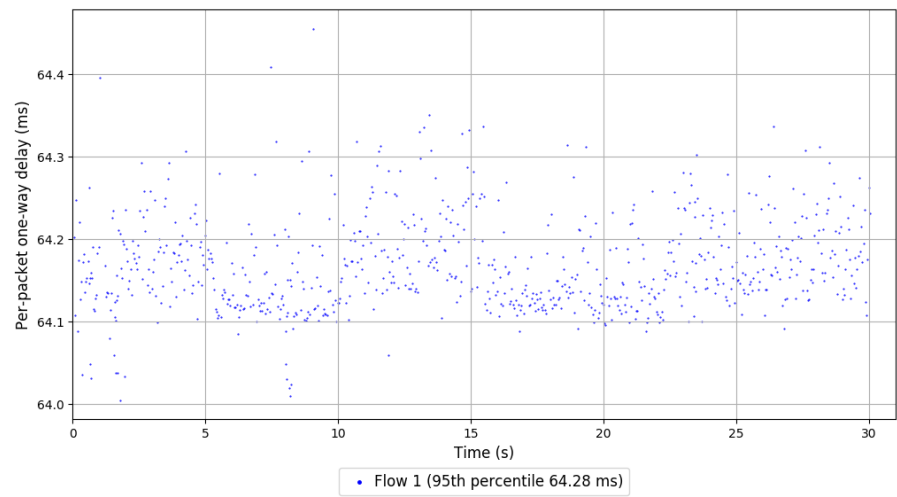
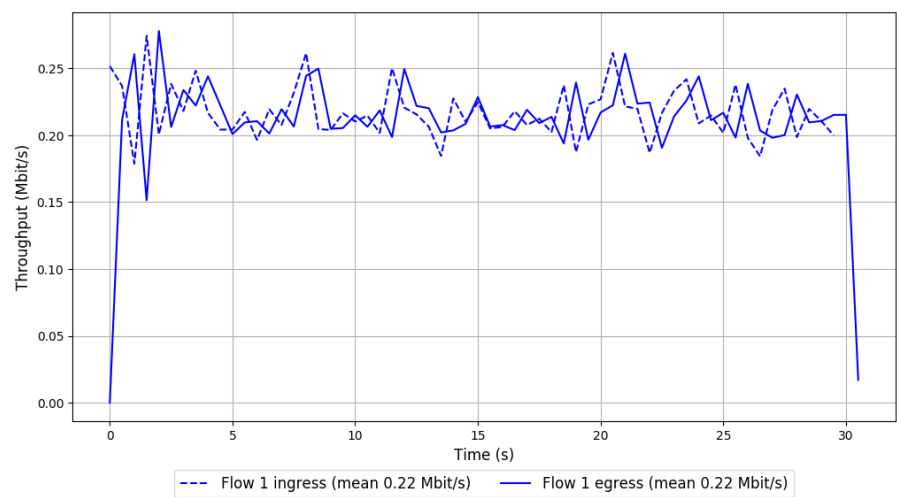
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 64.276 ms

Loss rate: 0.00%

Run 3: Report of SReAM — Data Link



Run 4: Statistics of SCReAM

Start at: 2019-02-20 08:42:46

End at: 2019-02-20 08:43:16

Local clock offset: -0.078 ms

Remote clock offset: 0.1 ms

Below is generated by plot.py at 2019-02-20 11:10:05

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 63.245 ms

Loss rate: 0.00%

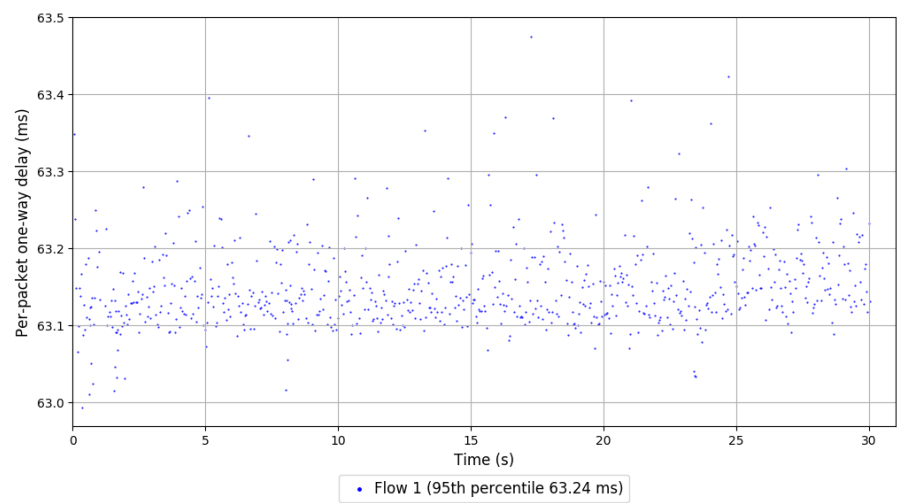
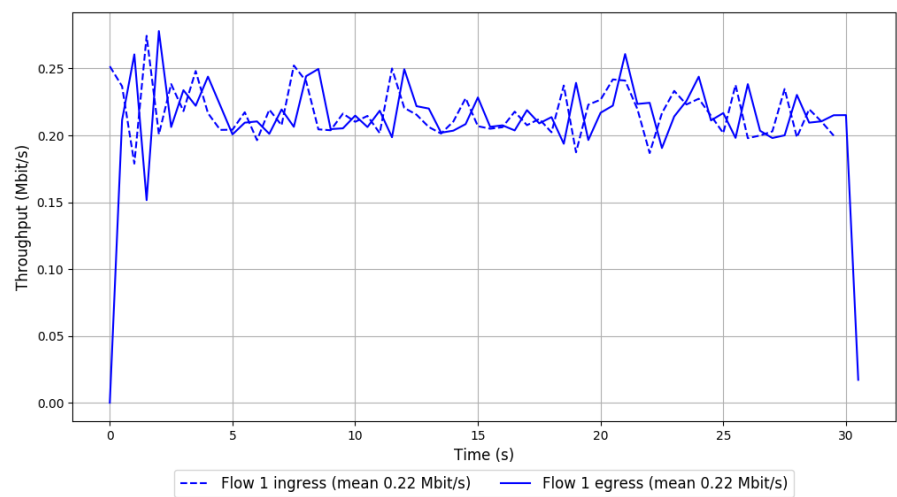
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 63.245 ms

Loss rate: 0.00%

Run 4: Report of SReAM — Data Link

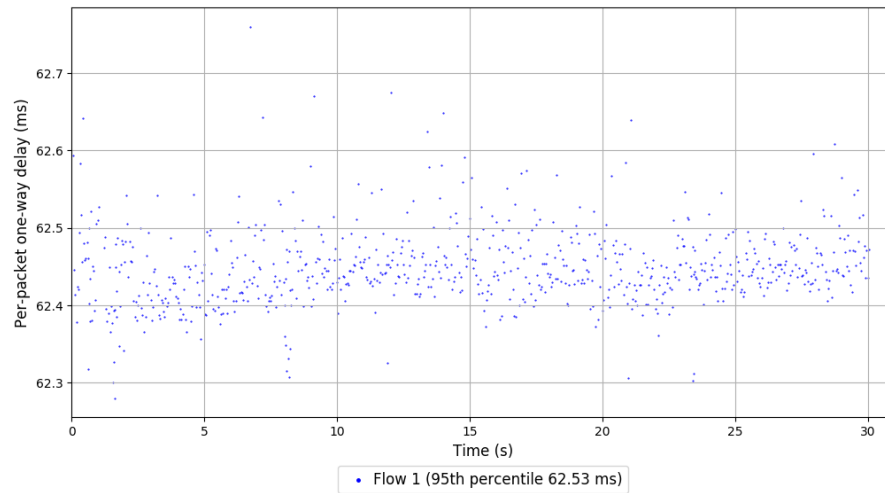
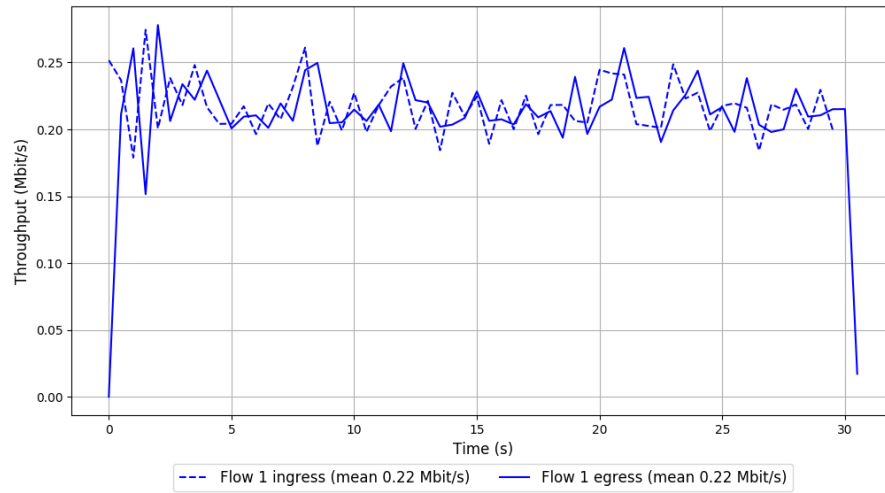


Run 5: Statistics of SCReAM

Start at: 2019-02-20 09:14:22
End at: 2019-02-20 09:14:52
Local clock offset: -0.045 ms
Remote clock offset: -0.447 ms

Below is generated by plot.py at 2019-02-20 11:10:05
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 62.535 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 62.535 ms
Loss rate: 0.00%

Run 5: Report of SReAM — Data Link

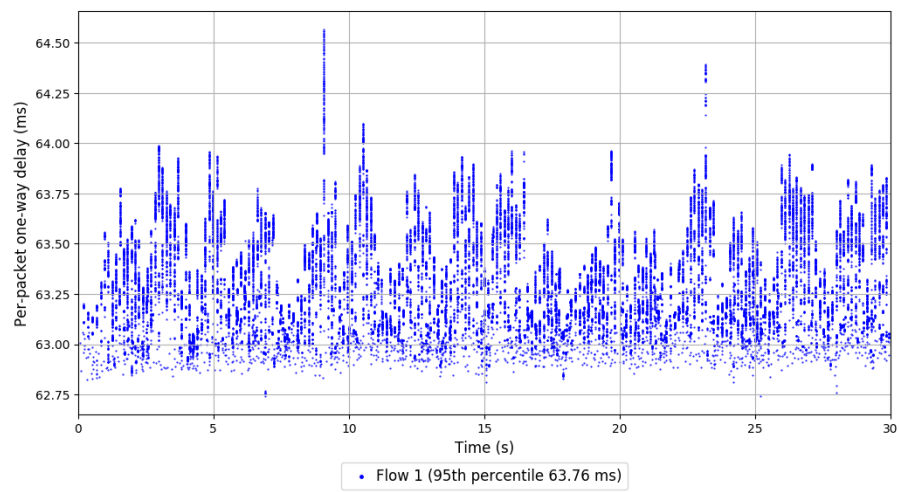
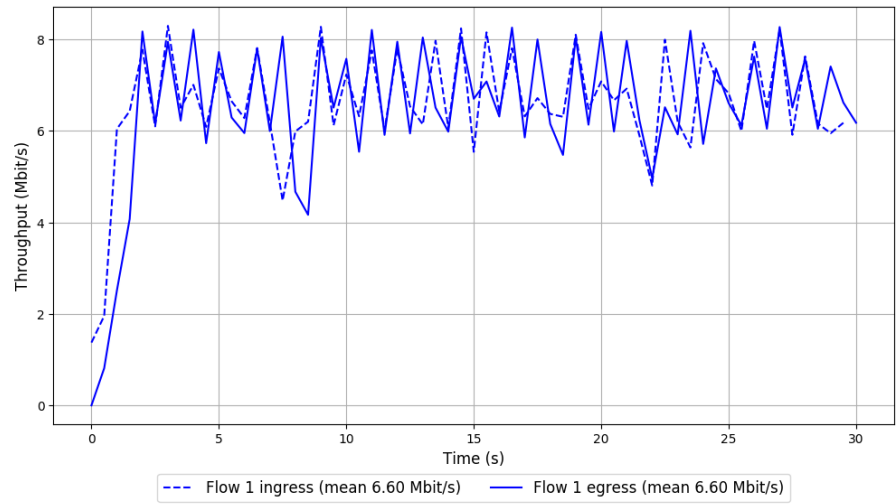


Run 1: Statistics of Sprout

Start at: 2019-02-20 06:44:39
End at: 2019-02-20 06:45:09
Local clock offset: 0.026 ms
Remote clock offset: -0.084 ms

Below is generated by plot.py at 2019-02-20 11:10:05
Datalink statistics
-- Total of 1 flow:
Average throughput: 6.60 Mbit/s
95th percentile per-packet one-way delay: 63.757 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 6.60 Mbit/s
95th percentile per-packet one-way delay: 63.757 ms
Loss rate: 0.00%

Run 1: Report of Sprout — Data Link

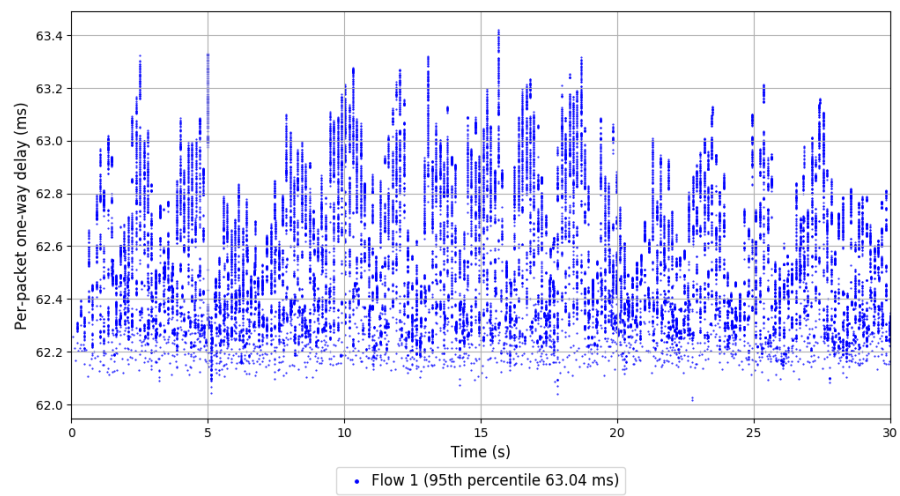
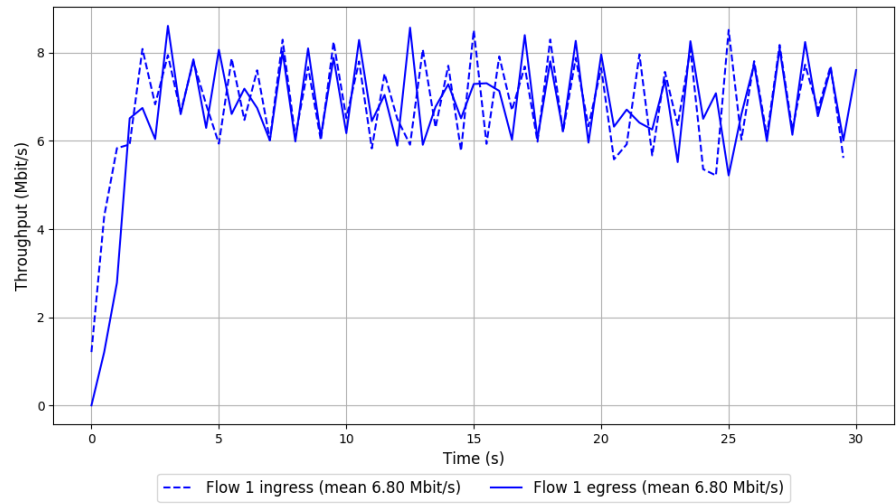


Run 2: Statistics of Sprout

Start at: 2019-02-20 07:16:15
End at: 2019-02-20 07:16:45
Local clock offset: 0.052 ms
Remote clock offset: -0.896 ms

Below is generated by plot.py at 2019-02-20 11:10:05
Datalink statistics
-- Total of 1 flow:
Average throughput: 6.80 Mbit/s
95th percentile per-packet one-way delay: 63.036 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 6.80 Mbit/s
95th percentile per-packet one-way delay: 63.036 ms
Loss rate: 0.00%

Run 2: Report of Sprout — Data Link

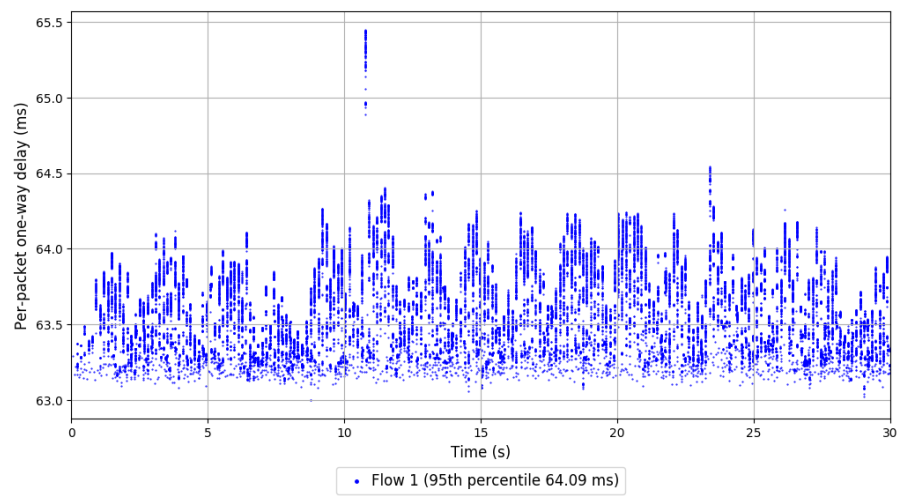
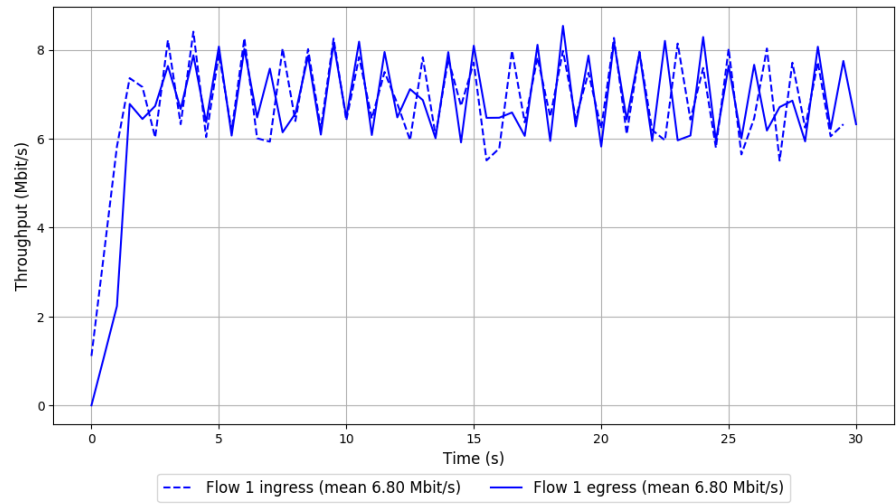


Run 3: Statistics of Sprout

Start at: 2019-02-20 07:47:29
End at: 2019-02-20 07:47:59
Local clock offset: -0.014 ms
Remote clock offset: 0.008 ms

Below is generated by plot.py at 2019-02-20 11:10:05
Datalink statistics
-- Total of 1 flow:
Average throughput: 6.80 Mbit/s
95th percentile per-packet one-way delay: 64.094 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 6.80 Mbit/s
95th percentile per-packet one-way delay: 64.094 ms
Loss rate: 0.00%

Run 3: Report of Sprout — Data Link

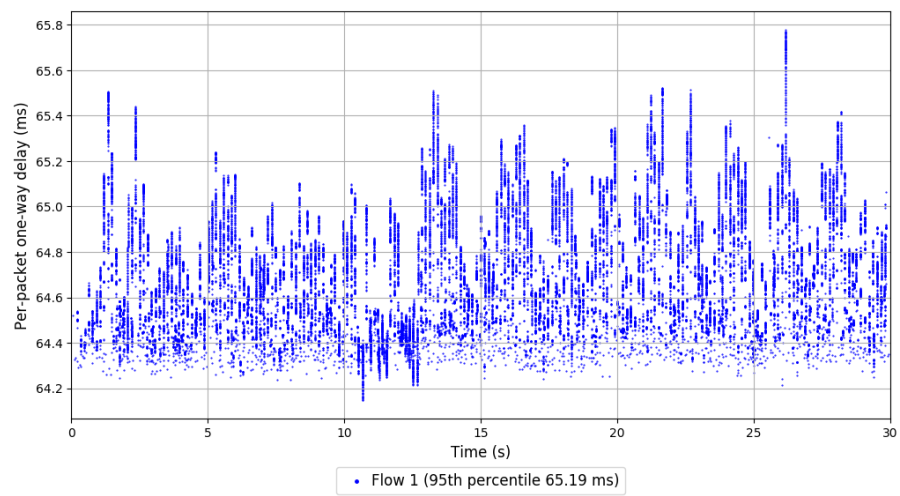
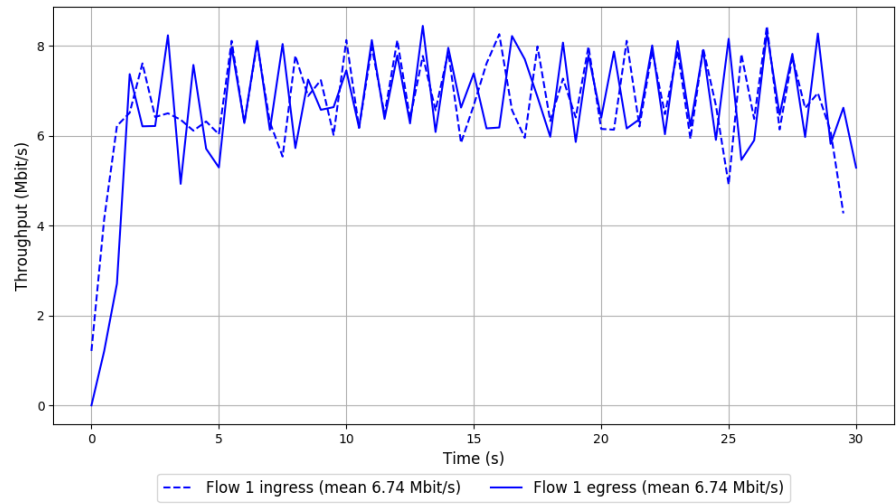


Run 4: Statistics of Sprout

Start at: 2019-02-20 08:19:05
End at: 2019-02-20 08:19:35
Local clock offset: -0.099 ms
Remote clock offset: 1.147 ms

Below is generated by plot.py at 2019-02-20 11:10:05
Datalink statistics
-- Total of 1 flow:
Average throughput: 6.74 Mbit/s
95th percentile per-packet one-way delay: 65.189 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 6.74 Mbit/s
95th percentile per-packet one-way delay: 65.189 ms
Loss rate: 0.00%

Run 4: Report of Sprout — Data Link



Run 5: Statistics of Sprout

Start at: 2019-02-20 08:50:21

End at: 2019-02-20 08:50:51

Local clock offset: -0.094 ms

Remote clock offset: 1.282 ms

Below is generated by plot.py at 2019-02-20 11:10:05

Datalink statistics

-- Total of 1 flow:

Average throughput: 6.63 Mbit/s

95th percentile per-packet one-way delay: 65.341 ms

Loss rate: 0.00%

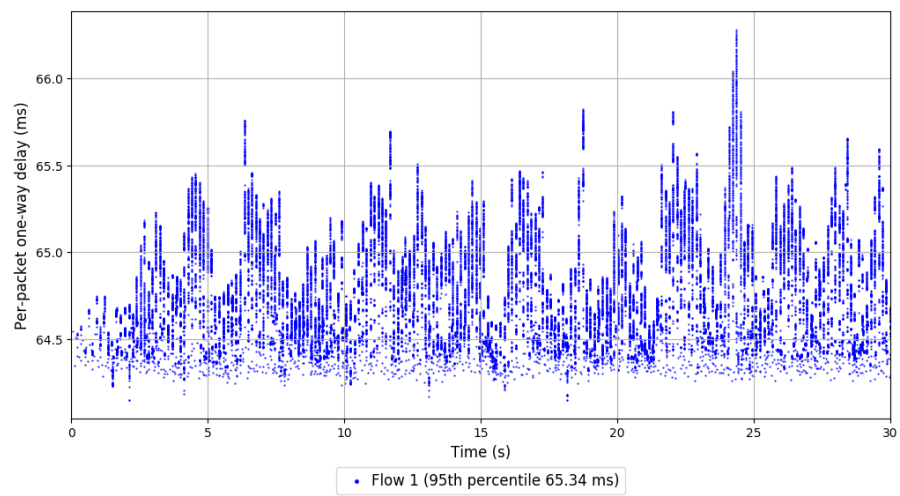
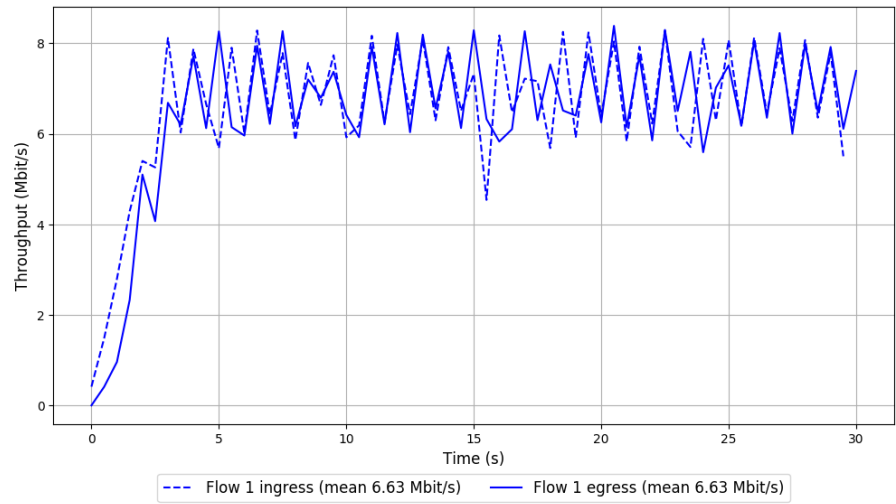
-- Flow 1:

Average throughput: 6.63 Mbit/s

95th percentile per-packet one-way delay: 65.341 ms

Loss rate: 0.00%

Run 5: Report of Sprout — Data Link

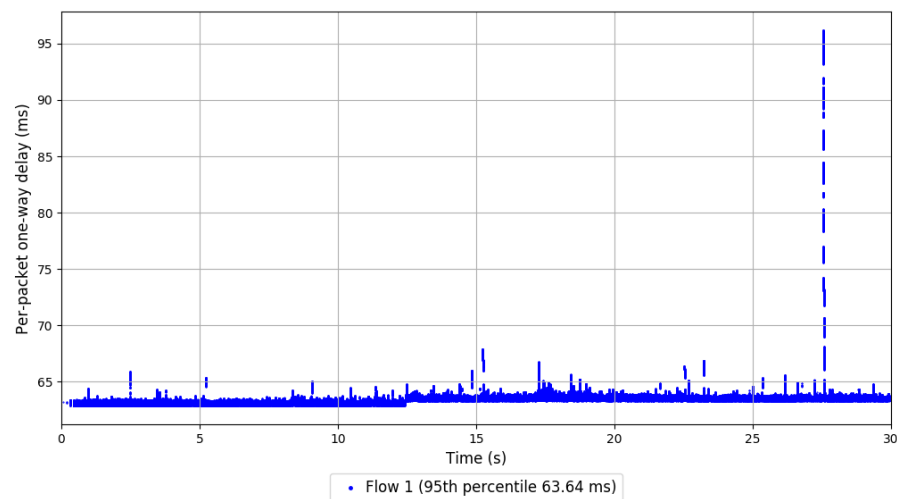
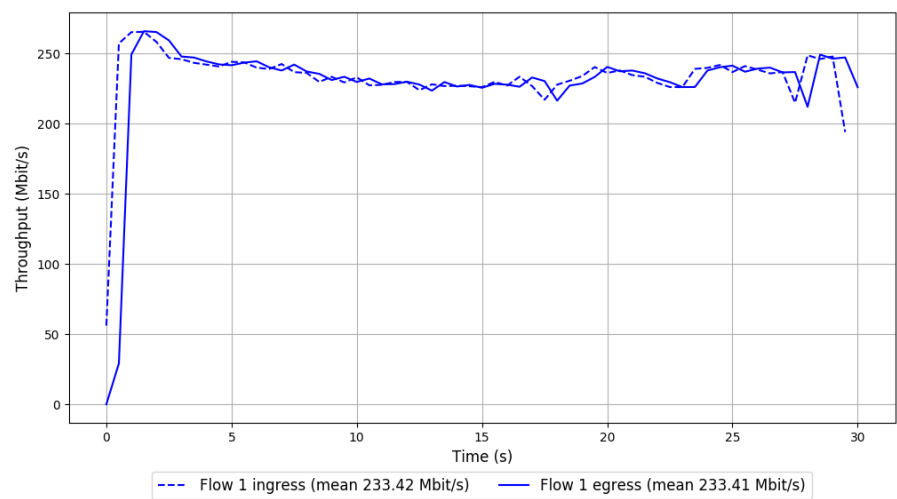


```
Run 1: Statistics of TaoVA-100x

Start at: 2019-02-20 07:01:22
End at: 2019-02-20 07:01:52
Local clock offset: 0.018 ms
Remote clock offset: 0.07 ms

# Below is generated by plot.py at 2019-02-20 11:12:39
# Datalink statistics
-- Total of 1 flow:
Average throughput: 233.41 Mbit/s
95th percentile per-packet one-way delay: 63.639 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 233.41 Mbit/s
95th percentile per-packet one-way delay: 63.639 ms
Loss rate: 0.00%
```

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



Run 2: Statistics of TaoVA-100x

Start at: 2019-02-20 07:32:38

End at: 2019-02-20 07:33:08

Local clock offset: 0.078 ms

Remote clock offset: -0.718 ms

Below is generated by plot.py at 2019-02-20 11:12:39

Datalink statistics

-- Total of 1 flow:

Average throughput: 218.78 Mbit/s

95th percentile per-packet one-way delay: 62.939 ms

Loss rate: 0.00%

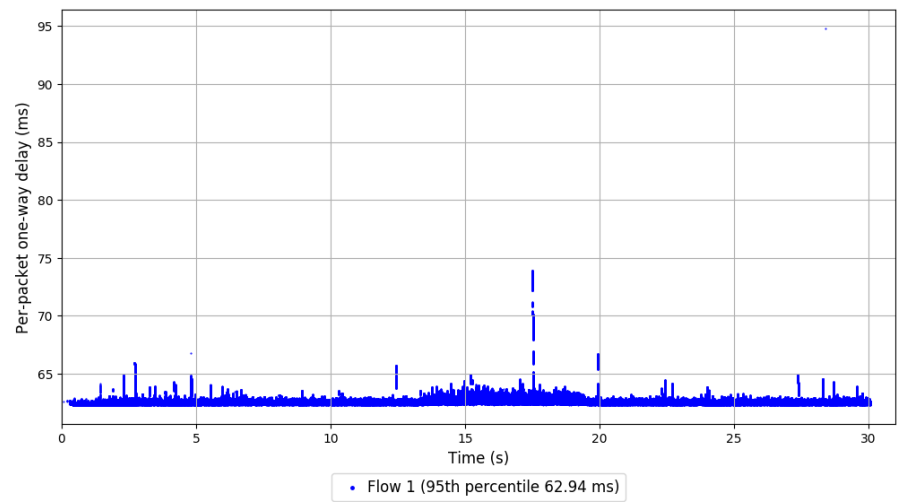
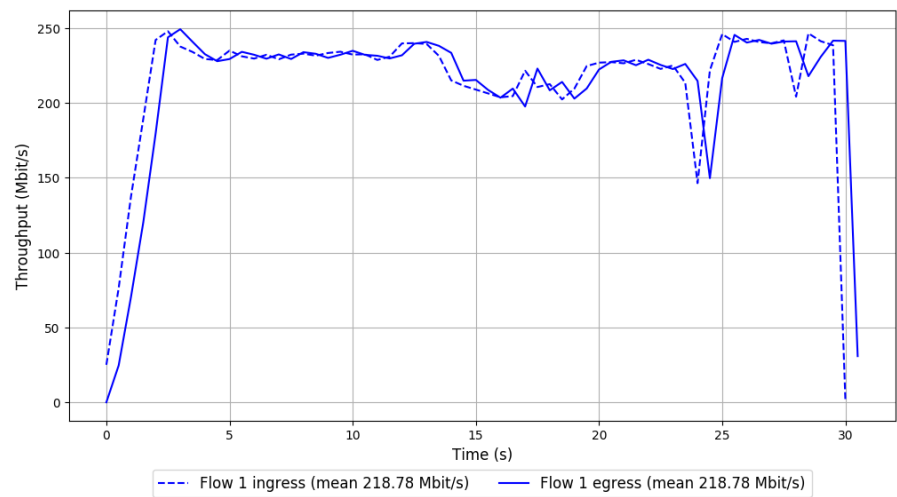
-- Flow 1:

Average throughput: 218.78 Mbit/s

95th percentile per-packet one-way delay: 62.939 ms

Loss rate: 0.00%

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



Run 3: Statistics of TaoVA-100x

Start at: 2019-02-20 08:03:58

End at: 2019-02-20 08:04:28

Local clock offset: -0.119 ms

Remote clock offset: 0.662 ms

Below is generated by plot.py at 2019-02-20 11:12:43

Datalink statistics

-- Total of 1 flow:

Average throughput: 229.12 Mbit/s

95th percentile per-packet one-way delay: 63.896 ms

Loss rate: 0.00%

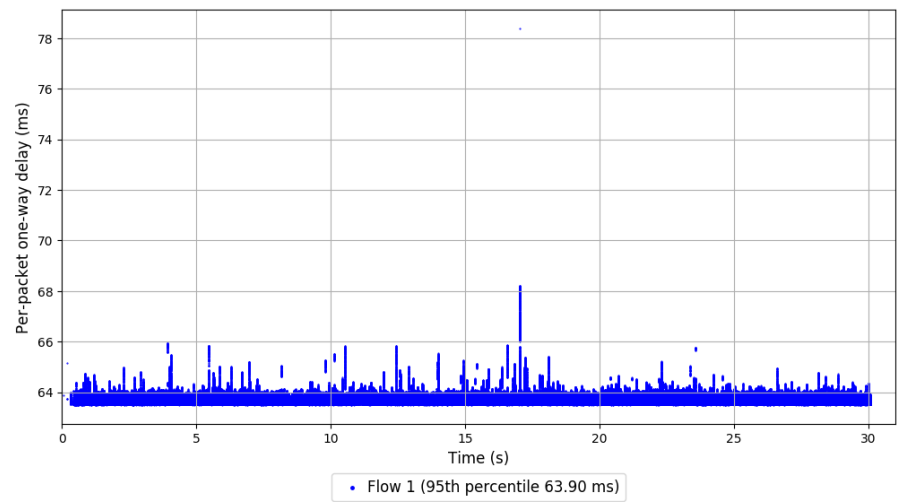
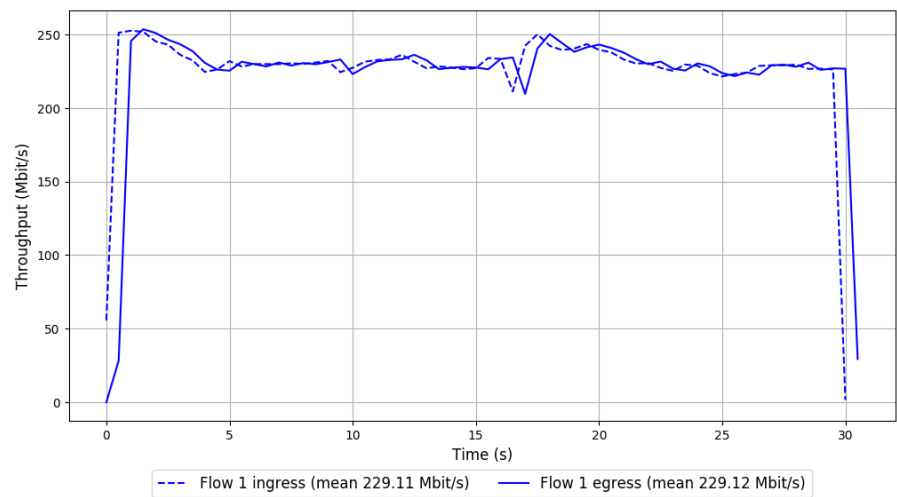
-- Flow 1:

Average throughput: 229.12 Mbit/s

95th percentile per-packet one-way delay: 63.896 ms

Loss rate: 0.00%

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

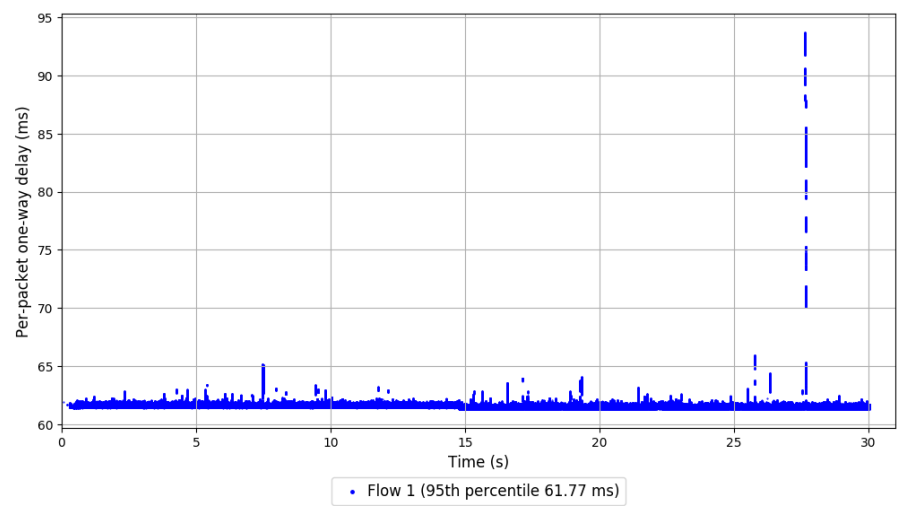
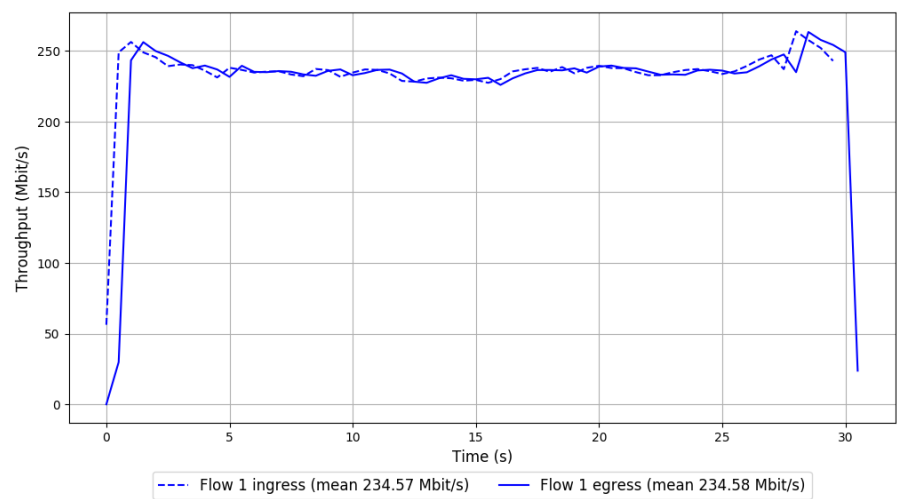


Run 4: Statistics of TaoVA-100x

Start at: 2019-02-20 08:35:20
End at: 2019-02-20 08:35:50
Local clock offset: -0.076 ms
Remote clock offset: -1.482 ms

Below is generated by plot.py at 2019-02-20 11:12:53
Datalink statistics
-- Total of 1 flow:
Average throughput: 234.58 Mbit/s
95th percentile per-packet one-way delay: 61.765 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 234.58 Mbit/s
95th percentile per-packet one-way delay: 61.765 ms
Loss rate: 0.00%

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



Run 5: Statistics of TaoVA-100x

Start at: 2019-02-20 09:06:54

End at: 2019-02-20 09:07:24

Local clock offset: -0.077 ms

Remote clock offset: 1.238 ms

Below is generated by plot.py at 2019-02-20 11:12:53

Datalink statistics

-- Total of 1 flow:

Average throughput: 224.35 Mbit/s

95th percentile per-packet one-way delay: 64.587 ms

Loss rate: 0.00%

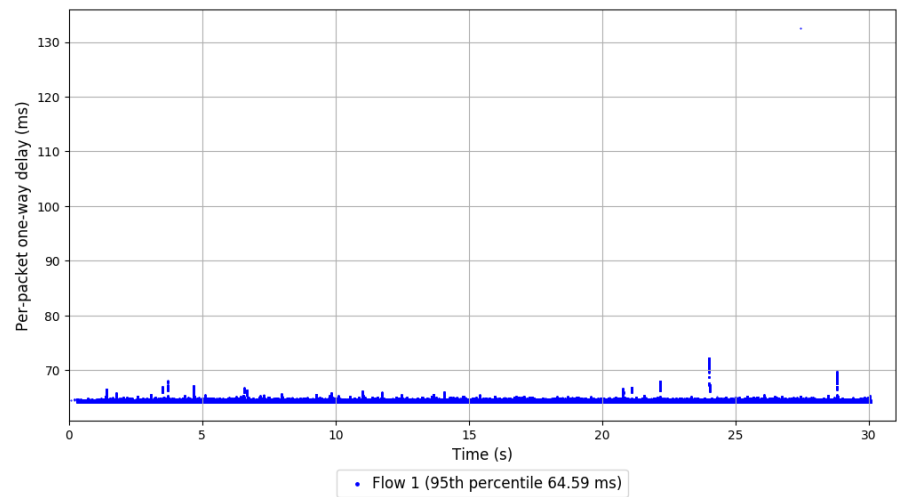
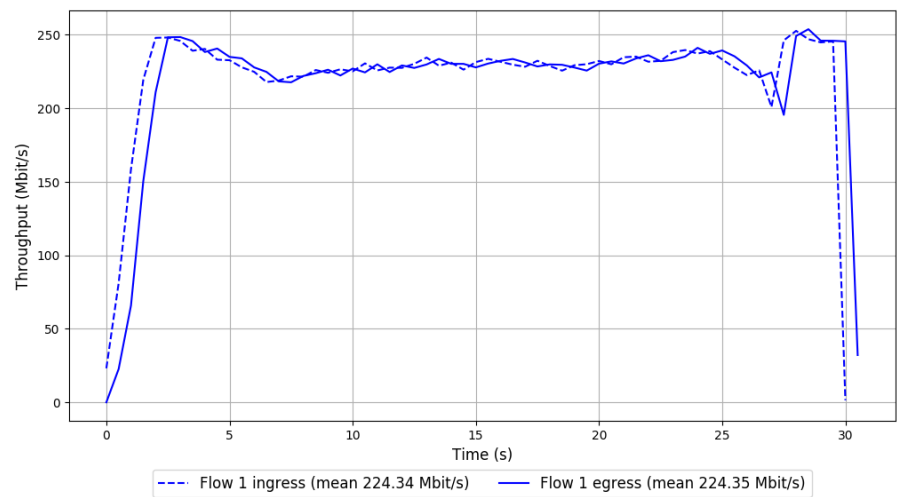
-- Flow 1:

Average throughput: 224.35 Mbit/s

95th percentile per-packet one-way delay: 64.587 ms

Loss rate: 0.00%

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

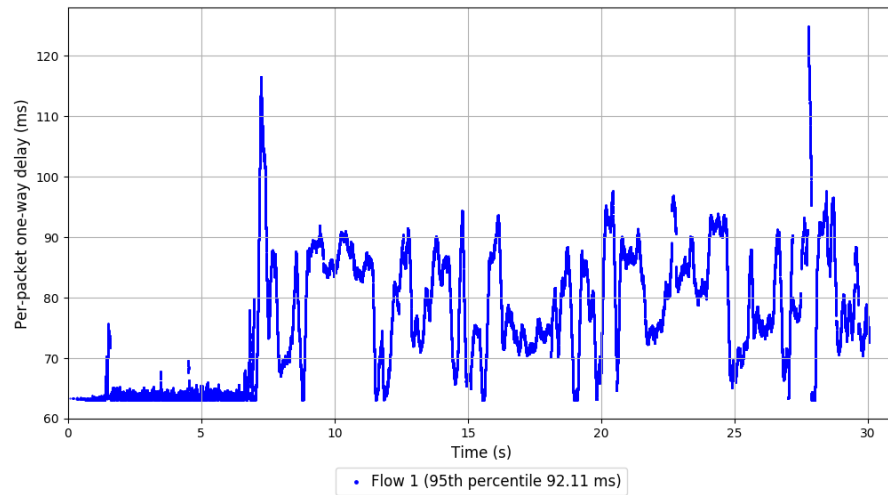
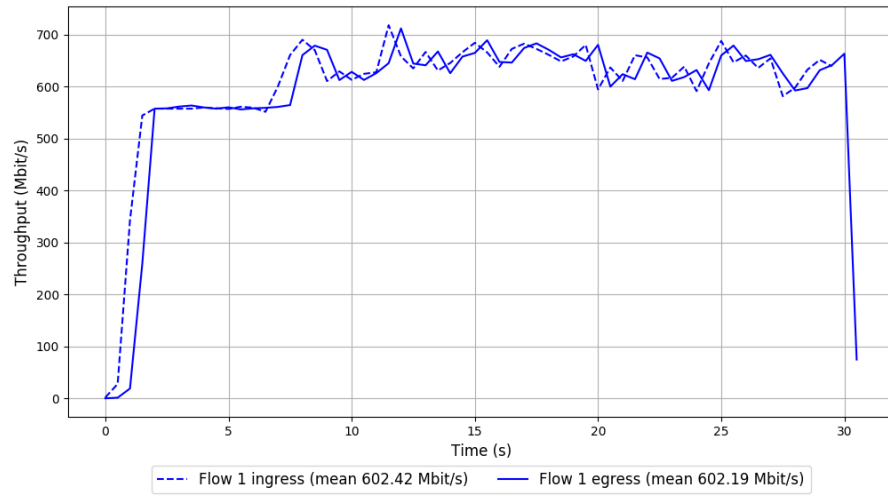


Run 1: Statistics of TCP Vegas

Start at: 2019-02-20 06:52:56
End at: 2019-02-20 06:53:26
Local clock offset: 0.066 ms
Remote clock offset: -0.097 ms

Below is generated by plot.py at 2019-02-20 11:16:59
Datalink statistics
-- Total of 1 flow:
Average throughput: 602.19 Mbit/s
95th percentile per-packet one-way delay: 92.108 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 602.19 Mbit/s
95th percentile per-packet one-way delay: 92.108 ms
Loss rate: 0.04%

Run 1: Report of TCP Vegas — Data Link

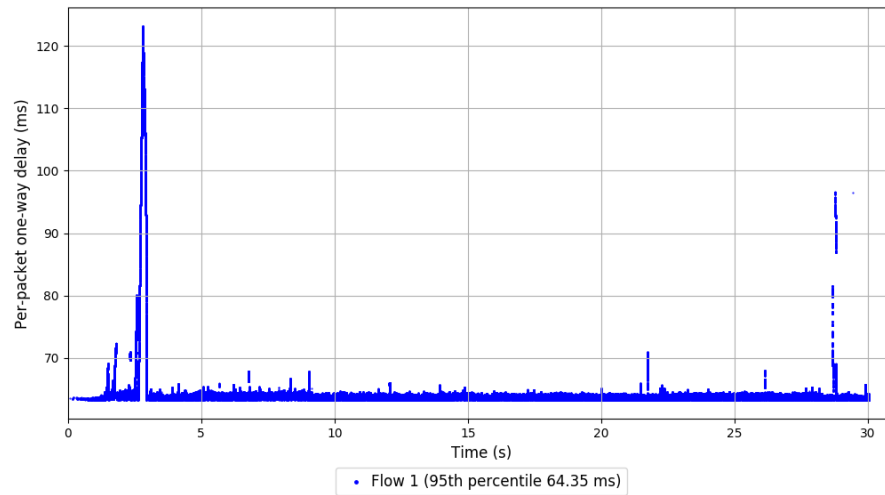
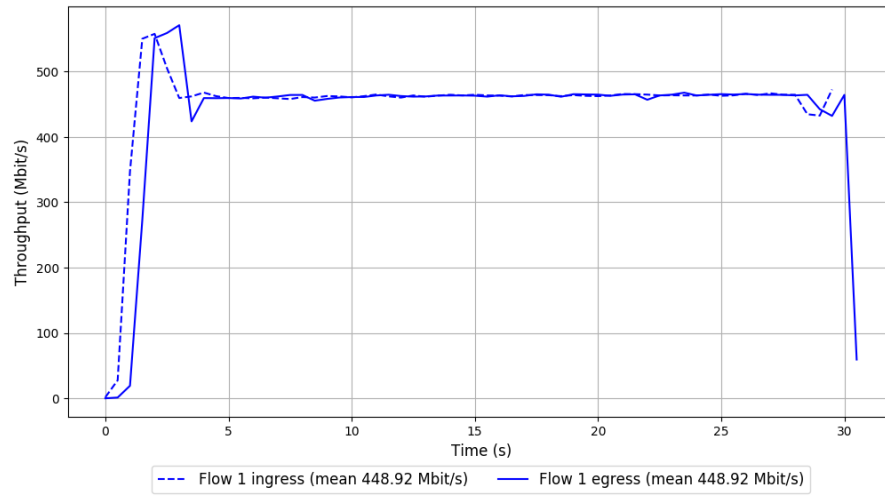


Run 2: Statistics of TCP Vegas

Start at: 2019-02-20 07:24:26
End at: 2019-02-20 07:24:56
Local clock offset: 0.082 ms
Remote clock offset: -0.018 ms

Below is generated by plot.py at 2019-02-20 11:18:07
Datalink statistics
-- Total of 1 flow:
Average throughput: 448.92 Mbit/s
95th percentile per-packet one-way delay: 64.351 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 448.92 Mbit/s
95th percentile per-packet one-way delay: 64.351 ms
Loss rate: 0.00%

Run 2: Report of TCP Vegas — Data Link

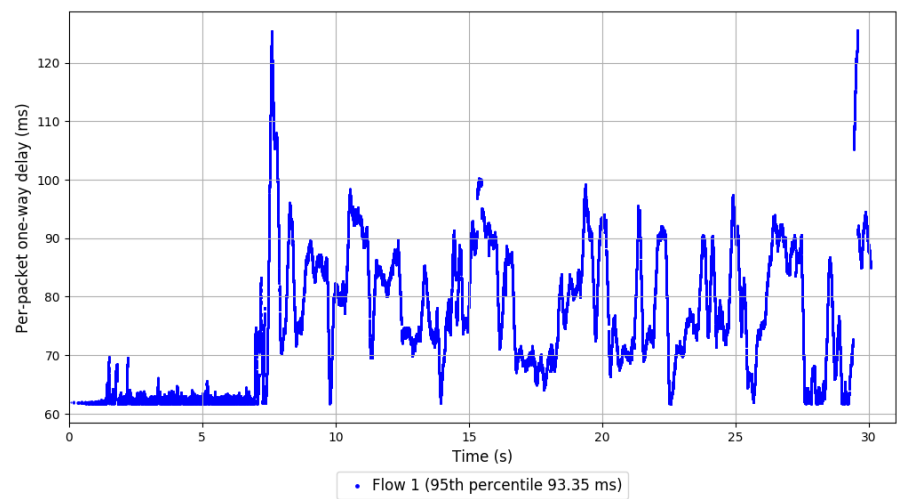
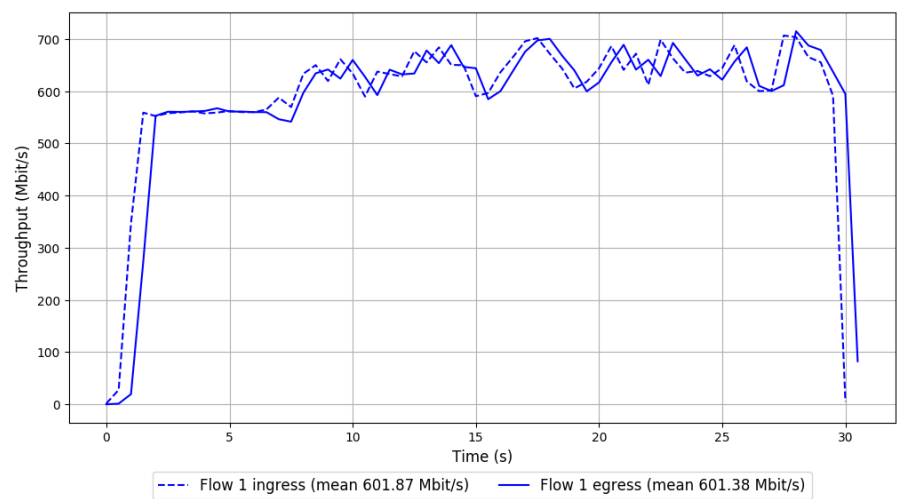


Run 3: Statistics of TCP Vegas

Start at: 2019-02-20 07:55:38
End at: 2019-02-20 07:56:08
Local clock offset: -0.132 ms
Remote clock offset: -1.405 ms

Below is generated by plot.py at 2019-02-20 11:21:46
Datalink statistics
-- Total of 1 flow:
Average throughput: 601.38 Mbit/s
95th percentile per-packet one-way delay: 93.349 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 601.38 Mbit/s
95th percentile per-packet one-way delay: 93.349 ms
Loss rate: 0.08%

Run 3: Report of TCP Vegas — Data Link

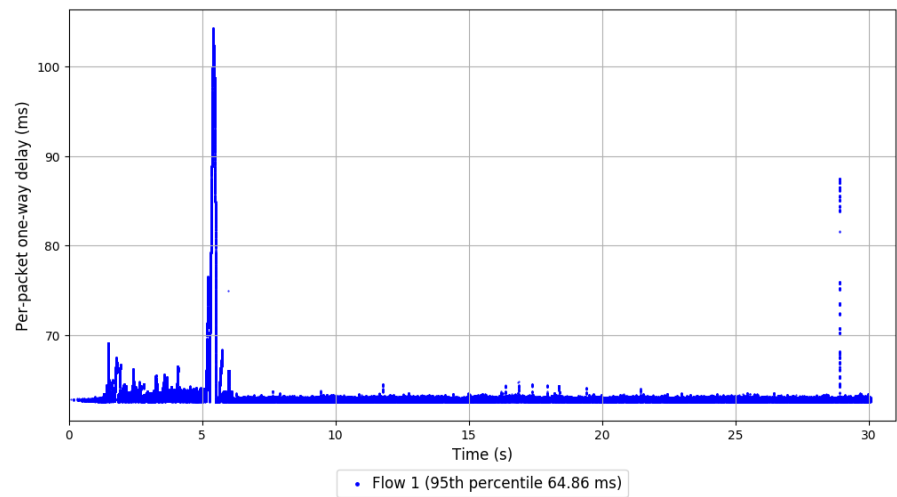
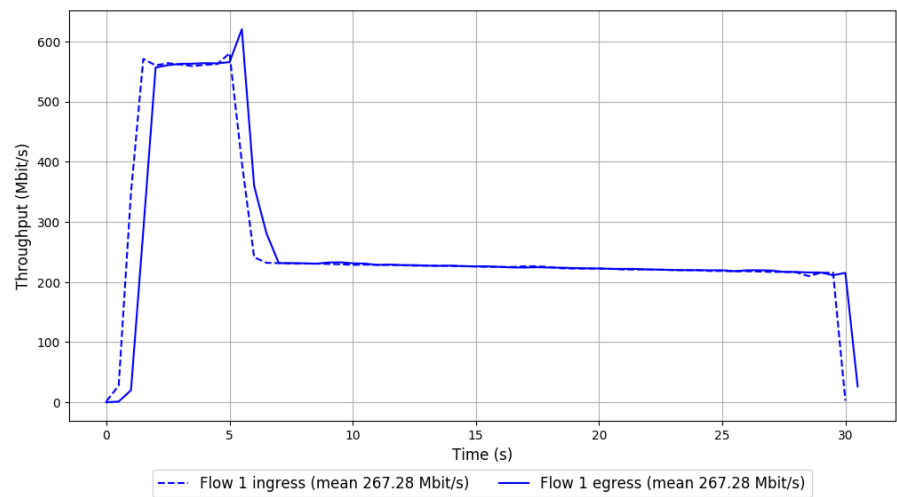


Run 4: Statistics of TCP Vegas

Start at: 2019-02-20 08:27:15
End at: 2019-02-20 08:27:45
Local clock offset: -0.078 ms
Remote clock offset: -0.213 ms

Below is generated by plot.py at 2019-02-20 11:21:46
Datalink statistics
-- Total of 1 flow:
Average throughput: 267.28 Mbit/s
95th percentile per-packet one-way delay: 64.859 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 267.28 Mbit/s
95th percentile per-packet one-way delay: 64.859 ms
Loss rate: 0.00%

Run 4: Report of TCP Vegas — Data Link

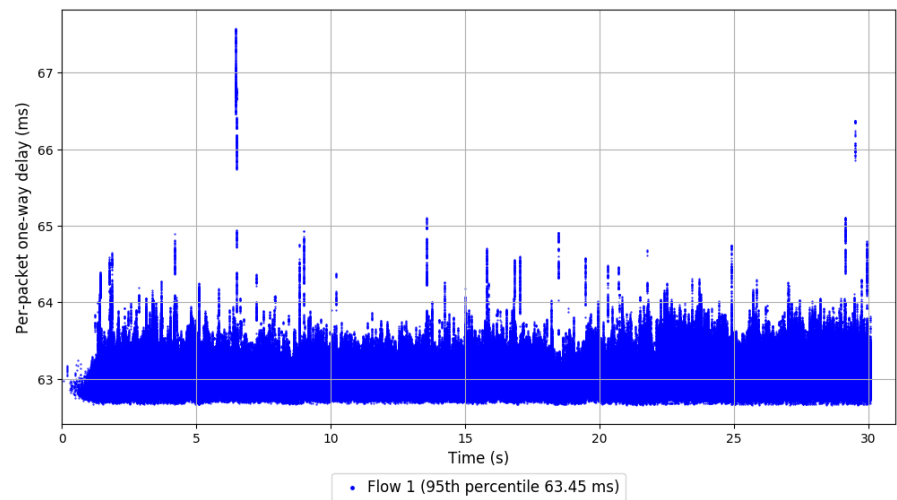
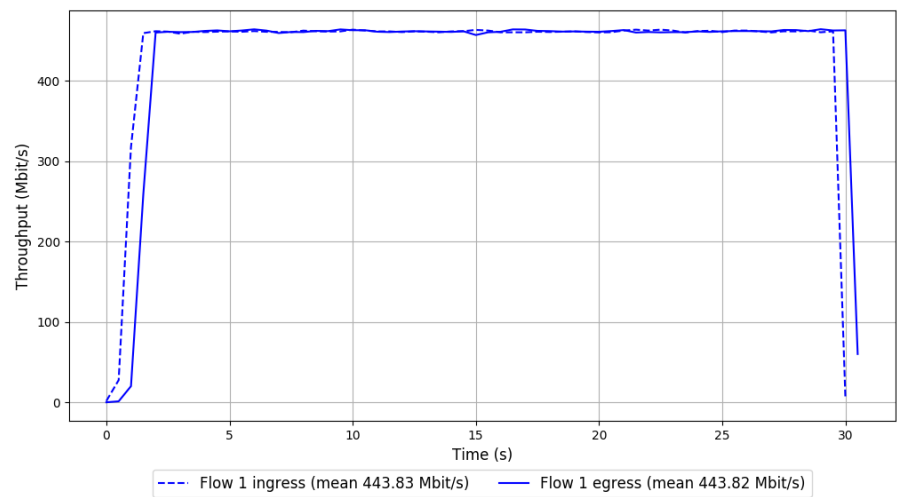


Run 5: Statistics of TCP Vegas

Start at: 2019-02-20 08:58:35
End at: 2019-02-20 08:59:05
Local clock offset: -0.08 ms
Remote clock offset: -0.152 ms

Below is generated by plot.py at 2019-02-20 11:21:46
Datalink statistics
-- Total of 1 flow:
Average throughput: 443.82 Mbit/s
95th percentile per-packet one-way delay: 63.453 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 443.82 Mbit/s
95th percentile per-packet one-way delay: 63.453 ms
Loss rate: 0.00%

Run 5: Report of TCP Vegas — Data Link

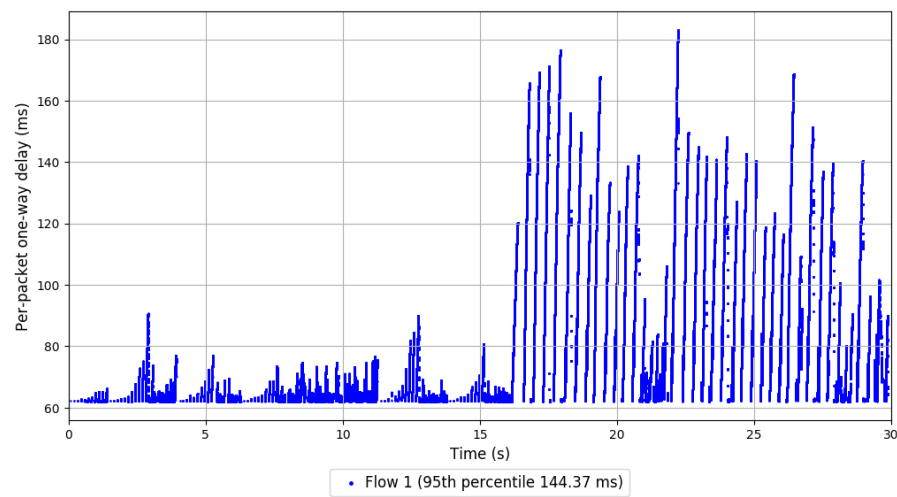
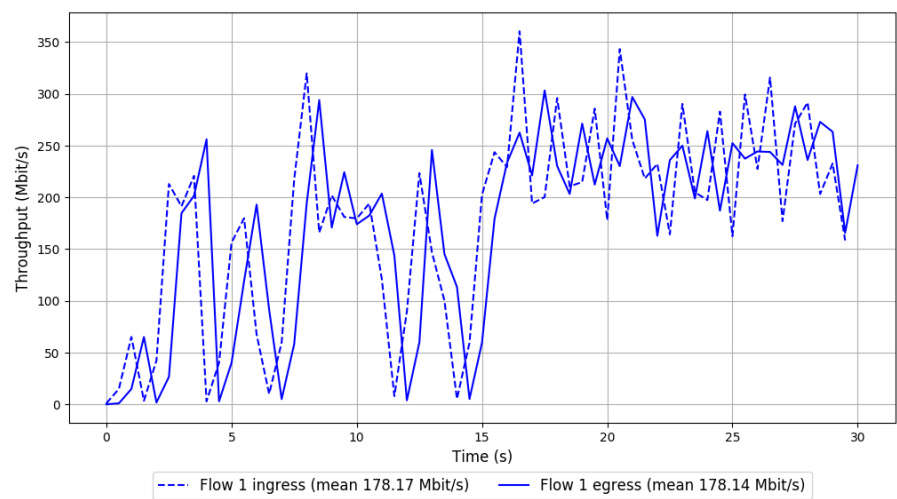


Run 1: Statistics of Verus

Start at: 2019-02-20 06:48:44
End at: 2019-02-20 06:49:14
Local clock offset: 0.056 ms
Remote clock offset: -1.258 ms

Below is generated by plot.py at 2019-02-20 11:21:46
Datalink statistics
-- Total of 1 flow:
Average throughput: 178.14 Mbit/s
95th percentile per-packet one-way delay: 144.371 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 178.14 Mbit/s
95th percentile per-packet one-way delay: 144.371 ms
Loss rate: 0.02%

Run 1: Report of Verus — Data Link



Run 2: Statistics of Verus

Start at: 2019-02-20 07:20:18

End at: 2019-02-20 07:20:48

Local clock offset: 0.062 ms

Remote clock offset: -1.48 ms

Below is generated by plot.py at 2019-02-20 11:21:46

Datalink statistics

-- Total of 1 flow:

Average throughput: 143.80 Mbit/s

95th percentile per-packet one-way delay: 92.826 ms

Loss rate: 0.35%

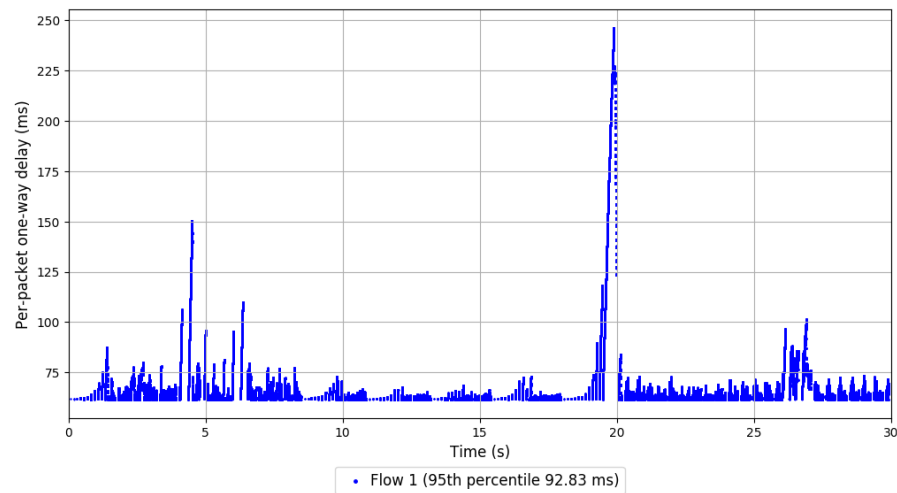
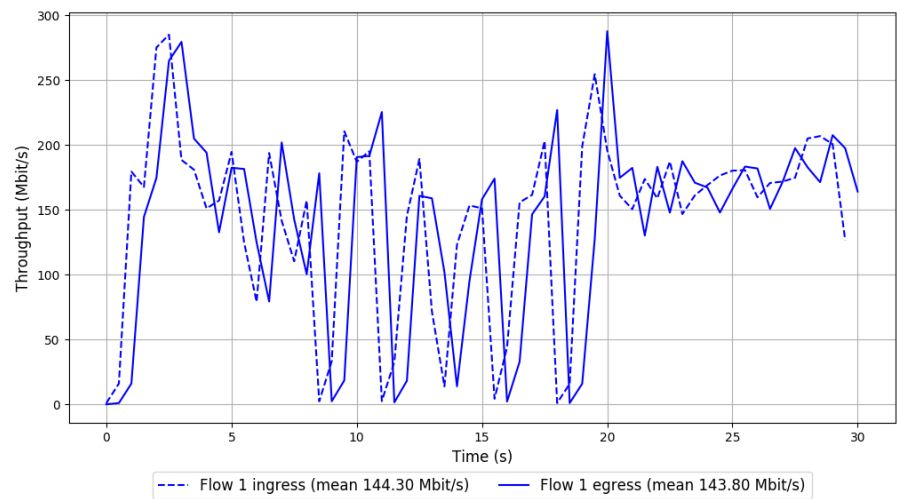
-- Flow 1:

Average throughput: 143.80 Mbit/s

95th percentile per-packet one-way delay: 92.826 ms

Loss rate: 0.35%

Run 2: Report of Verus — Data Link



Run 3: Statistics of Verus

Start at: 2019-02-20 07:51:30

End at: 2019-02-20 07:52:00

Local clock offset: -0.087 ms

Remote clock offset: 0.014 ms

Below is generated by plot.py at 2019-02-20 11:21:46

Datalink statistics

-- Total of 1 flow:

Average throughput: 136.47 Mbit/s

95th percentile per-packet one-way delay: 90.249 ms

Loss rate: 0.01%

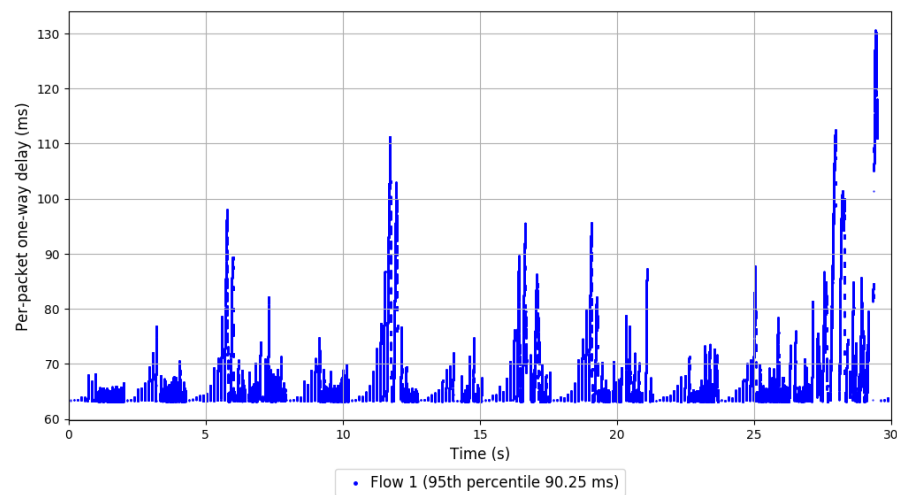
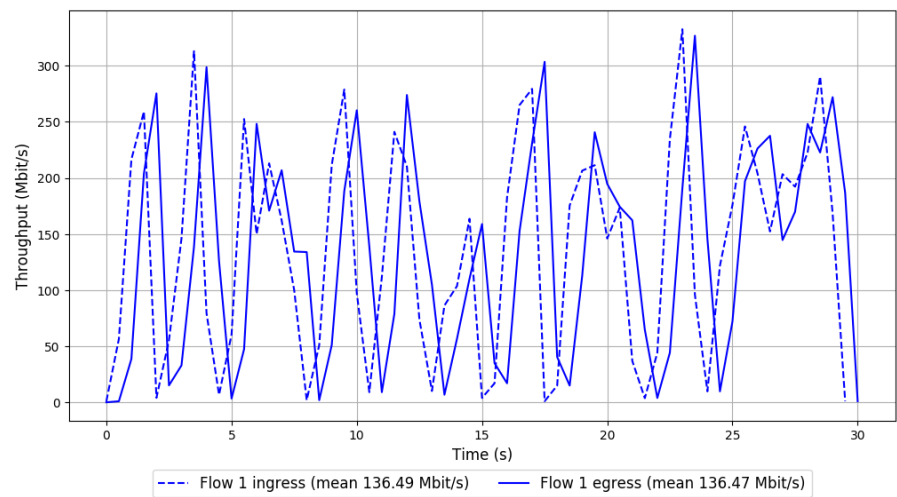
-- Flow 1:

Average throughput: 136.47 Mbit/s

95th percentile per-packet one-way delay: 90.249 ms

Loss rate: 0.01%

Run 3: Report of Verus — Data Link



Run 4: Statistics of Verus

Start at: 2019-02-20 08:23:08

End at: 2019-02-20 08:23:38

Local clock offset: -0.11 ms

Remote clock offset: 0.611 ms

Below is generated by plot.py at 2019-02-20 11:22:11

Datalink statistics

-- Total of 1 flow:

Average throughput: 152.82 Mbit/s

95th percentile per-packet one-way delay: 109.253 ms

Loss rate: 1.59%

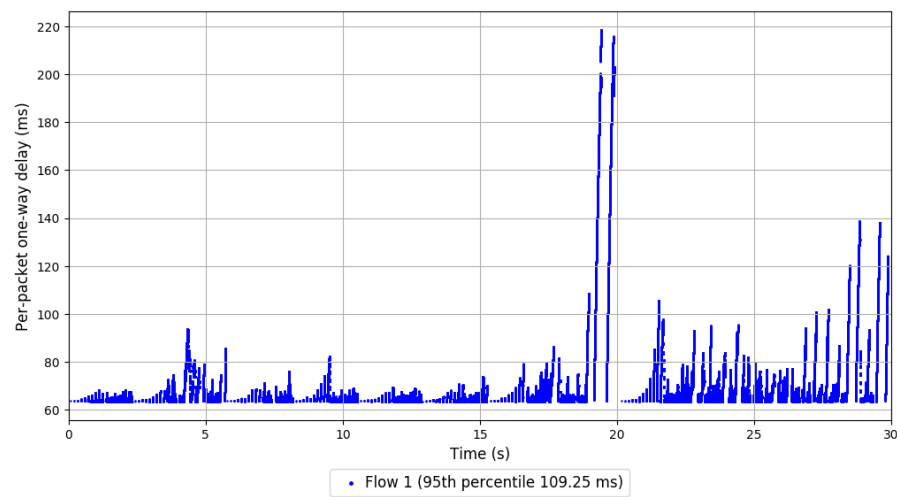
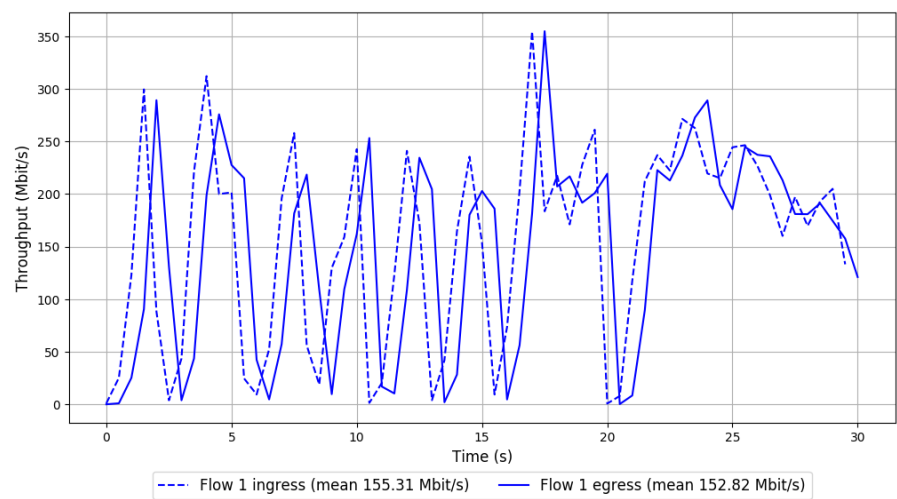
-- Flow 1:

Average throughput: 152.82 Mbit/s

95th percentile per-packet one-way delay: 109.253 ms

Loss rate: 1.59%

Run 4: Report of Verus — Data Link



Run 5: Statistics of Verus

Start at: 2019-02-20 08:54:25

End at: 2019-02-20 08:54:55

Local clock offset: -0.087 ms

Remote clock offset: 0.705 ms

Below is generated by plot.py at 2019-02-20 11:22:23

Datalink statistics

-- Total of 1 flow:

Average throughput: 159.41 Mbit/s

95th percentile per-packet one-way delay: 141.954 ms

Loss rate: 1.08%

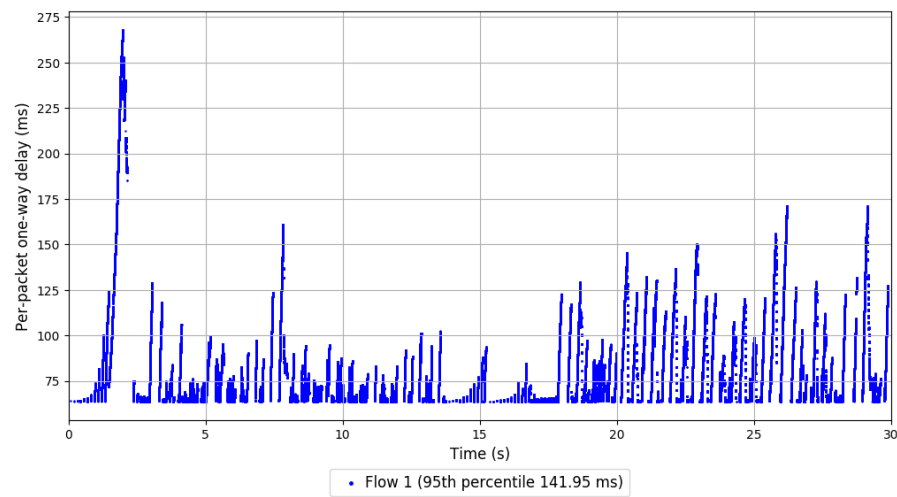
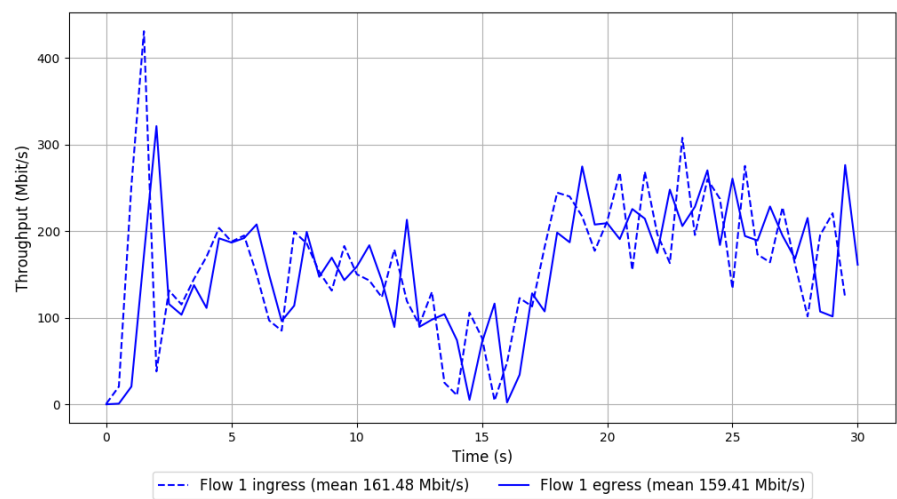
-- Flow 1:

Average throughput: 159.41 Mbit/s

95th percentile per-packet one-way delay: 141.954 ms

Loss rate: 1.08%

Run 5: Report of Verus — Data Link



Run 1: Statistics of PCC-Vivace

Start at: 2019-02-20 06:50:08

End at: 2019-02-20 06:50:38

Local clock offset: 0.044 ms

Remote clock offset: -0.081 ms

Below is generated by plot.py at 2019-02-20 11:24:45

Datalink statistics

-- Total of 1 flow:

Average throughput: 433.50 Mbit/s

95th percentile per-packet one-way delay: 64.464 ms

Loss rate: 0.02%

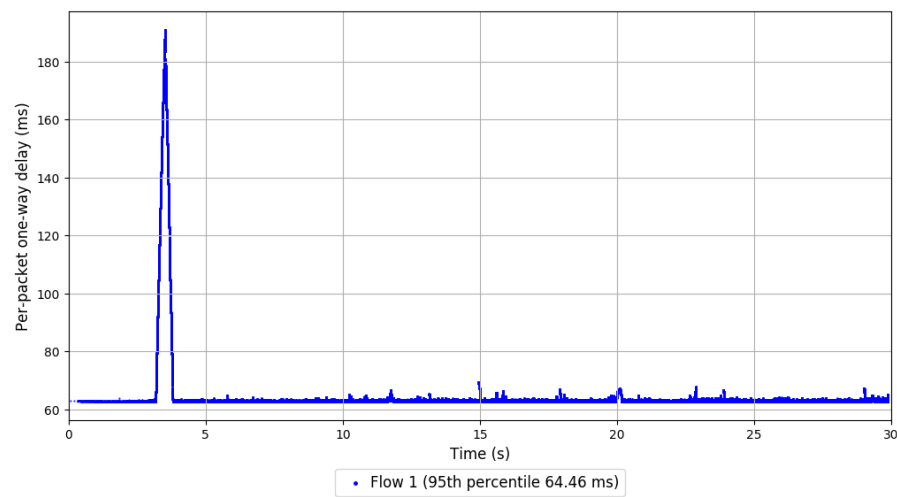
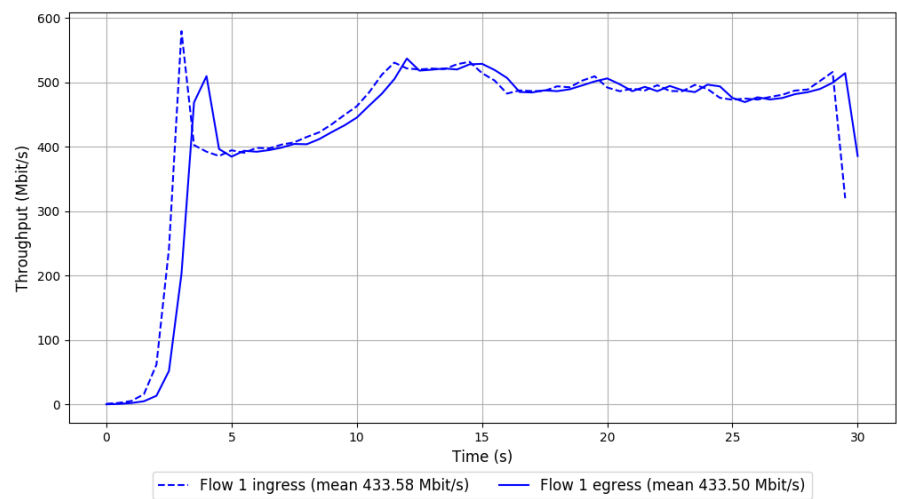
-- Flow 1:

Average throughput: 433.50 Mbit/s

95th percentile per-packet one-way delay: 64.464 ms

Loss rate: 0.02%

Run 1: Report of PCC-Vivace — Data Link

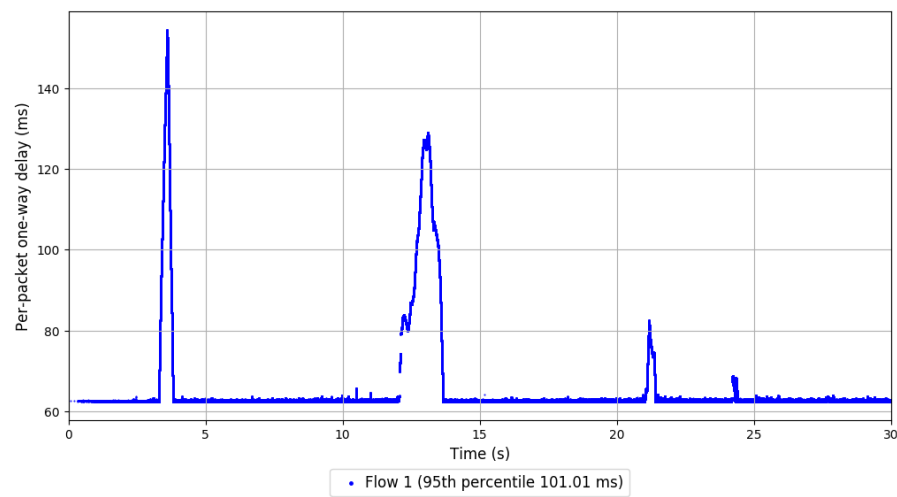
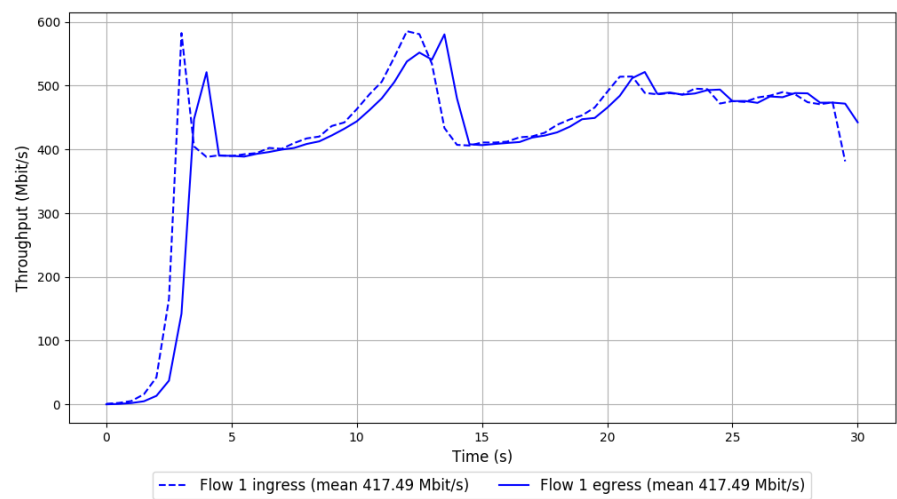


Run 2: Statistics of PCC-Vivace

Start at: 2019-02-20 07:21:40
End at: 2019-02-20 07:22:10
Local clock offset: 0.054 ms
Remote clock offset: -0.482 ms

Below is generated by plot.py at 2019-02-20 11:24:45
Datalink statistics
-- Total of 1 flow:
Average throughput: 417.49 Mbit/s
95th percentile per-packet one-way delay: 101.008 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 417.49 Mbit/s
95th percentile per-packet one-way delay: 101.008 ms
Loss rate: 0.00%

Run 2: Report of PCC-Vivace — Data Link

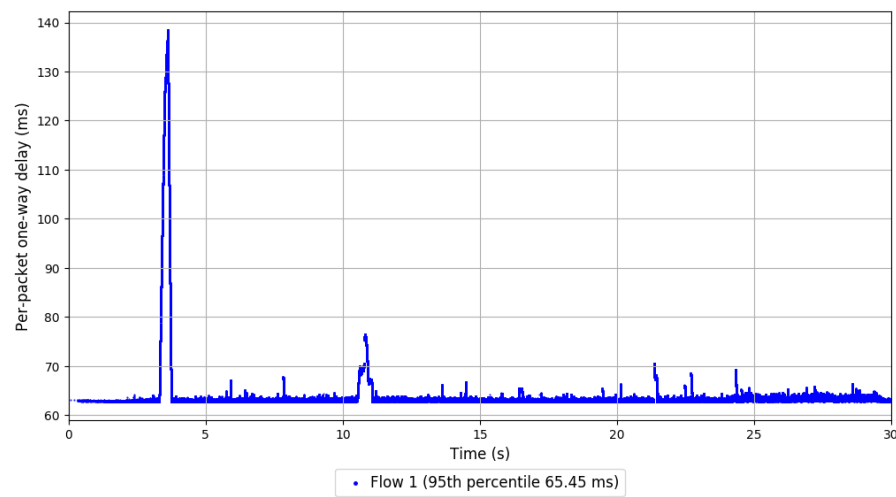
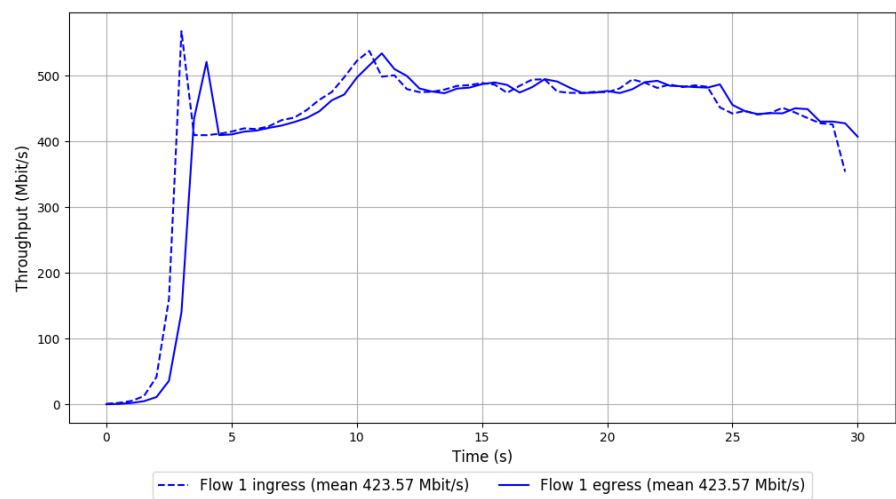


Run 3: Statistics of PCC-Vivace

Start at: 2019-02-20 07:52:51
End at: 2019-02-20 07:53:22
Local clock offset: -0.099 ms
Remote clock offset: -0.461 ms

Below is generated by plot.py at 2019-02-20 11:24:48
Datalink statistics
-- Total of 1 flow:
Average throughput: 423.57 Mbit/s
95th percentile per-packet one-way delay: 65.446 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 423.57 Mbit/s
95th percentile per-packet one-way delay: 65.446 ms
Loss rate: 0.00%

Run 3: Report of PCC-Vivace — Data Link



Run 4: Statistics of PCC-Vivace

Start at: 2019-02-20 08:24:30

End at: 2019-02-20 08:25:00

Local clock offset: -0.08 ms

Remote clock offset: 0.91 ms

Below is generated by plot.py at 2019-02-20 11:24:52

Datalink statistics

-- Total of 1 flow:

Average throughput: 407.47 Mbit/s

95th percentile per-packet one-way delay: 68.730 ms

Loss rate: 0.00%

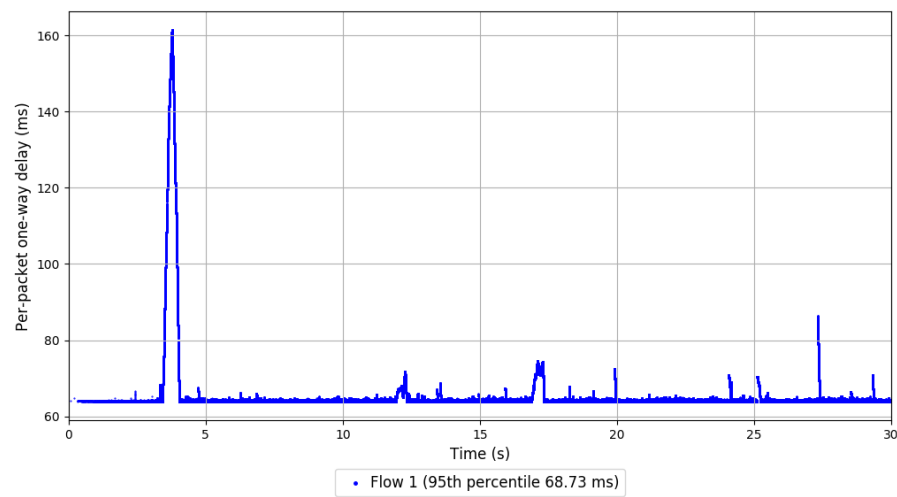
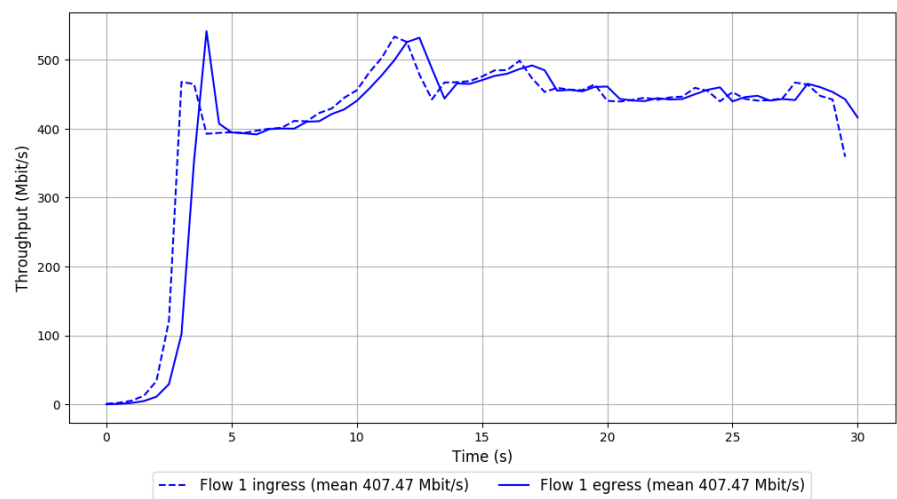
-- Flow 1:

Average throughput: 407.47 Mbit/s

95th percentile per-packet one-way delay: 68.730 ms

Loss rate: 0.00%

Run 4: Report of PCC-Vivace — Data Link

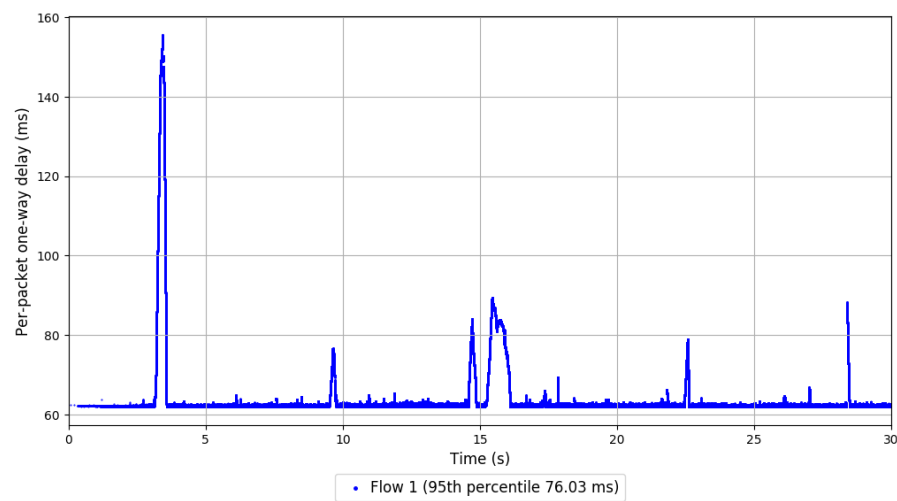
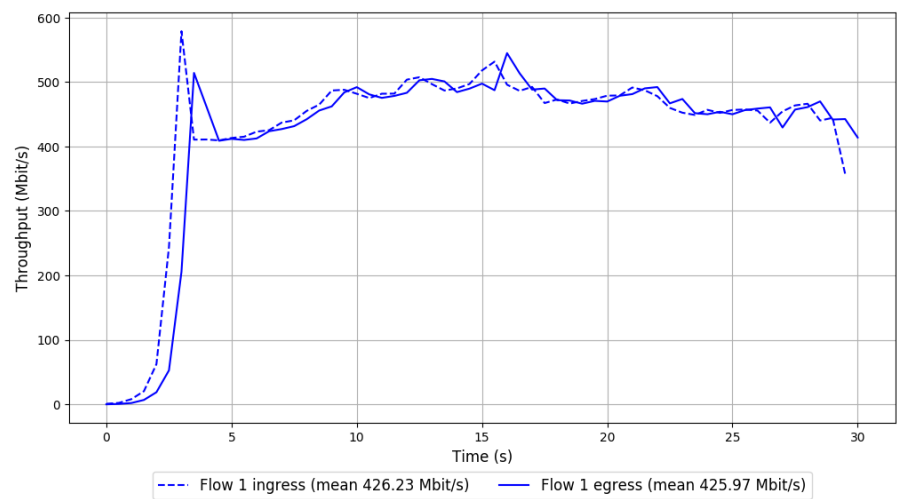


Run 5: Statistics of PCC-Vivace

Start at: 2019-02-20 08:55:47
End at: 2019-02-20 08:56:17
Local clock offset: -0.103 ms
Remote clock offset: -0.873 ms

Below is generated by plot.py at 2019-02-20 11:25:07
Datalink statistics
-- Total of 1 flow:
Average throughput: 425.97 Mbit/s
95th percentile per-packet one-way delay: 76.030 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 425.97 Mbit/s
95th percentile per-packet one-way delay: 76.030 ms
Loss rate: 0.06%

Run 5: Report of PCC-Vivace — Data Link



Run 1: Statistics of WebRTC media

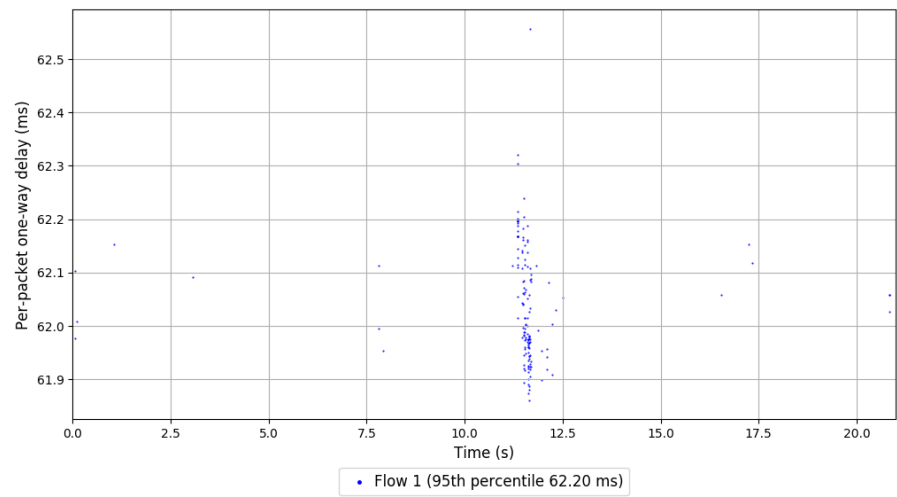
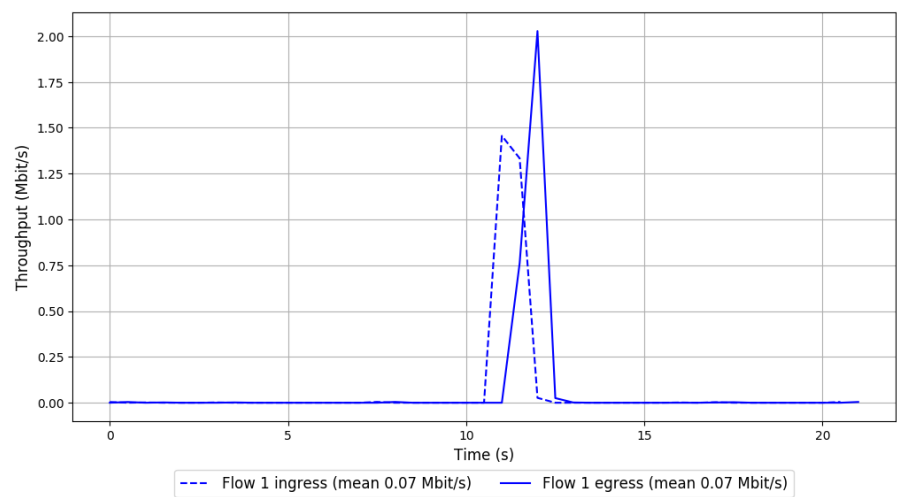
Start at: 2019-02-20 06:45:48

End at: 2019-02-20 06:46:18

Local clock offset: 0.047 ms

Remote clock offset: -0.962 ms

Run 1: Report of WebRTC media — Data Link



Run 2: Statistics of WebRTC media

Start at: 2019-02-20 07:17:26

End at: 2019-02-20 07:17:56

Local clock offset: 0.08 ms

Remote clock offset: 0.213 ms

Below is generated by plot.py at 2019-02-20 11:25:07

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.05 Mbit/s

95th percentile per-packet one-way delay: 63.289 ms

Loss rate: 0.00%

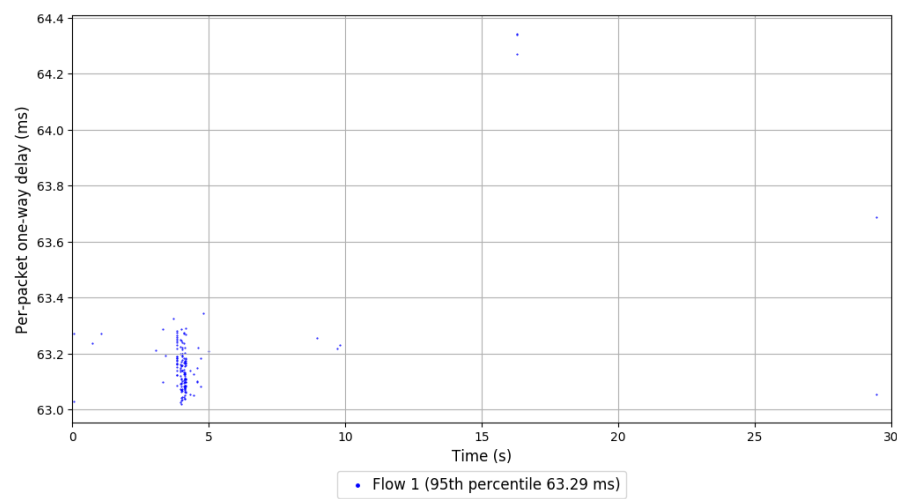
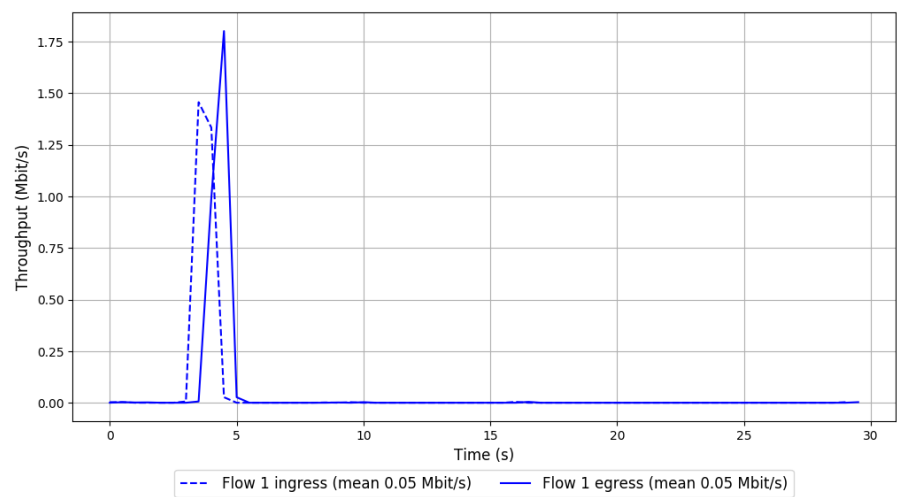
-- Flow 1:

Average throughput: 0.05 Mbit/s

95th percentile per-packet one-way delay: 63.289 ms

Loss rate: 0.00%

Run 2: Report of WebRTC media — Data Link

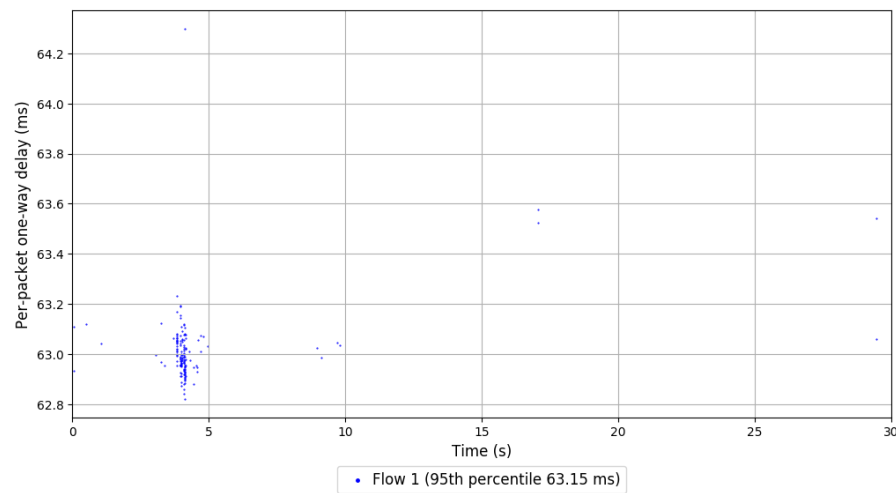
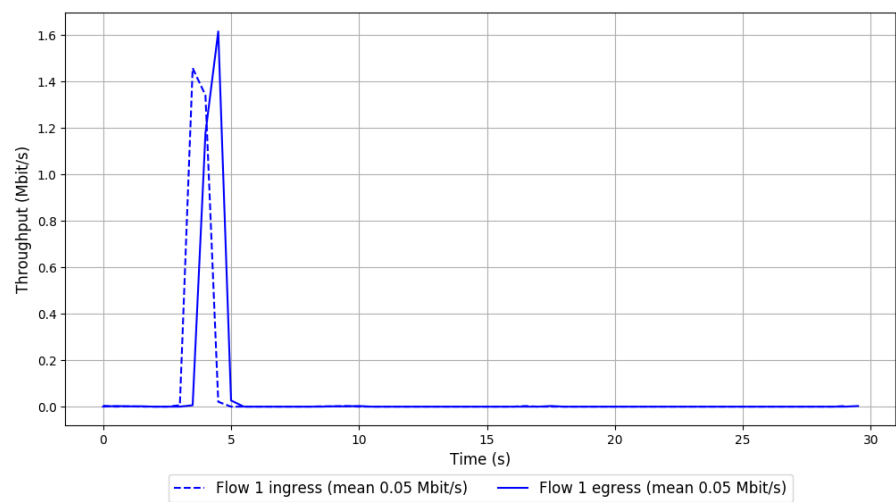


Run 3: Statistics of WebRTC media

Start at: 2019-02-20 07:48:38
End at: 2019-02-20 07:49:08
Local clock offset: -0.055 ms
Remote clock offset: -0.067 ms

Below is generated by plot.py at 2019-02-20 11:25:07
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 63.154 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 63.154 ms
Loss rate: 0.00%

Run 3: Report of WebRTC media — Data Link

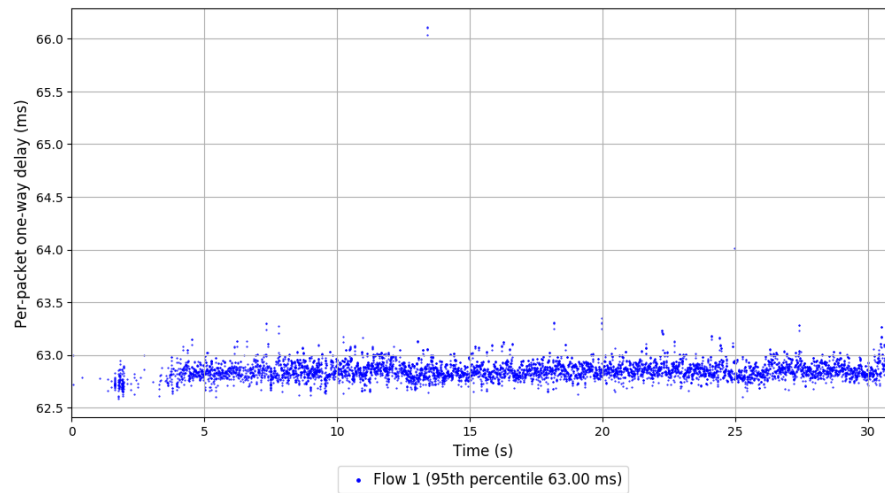
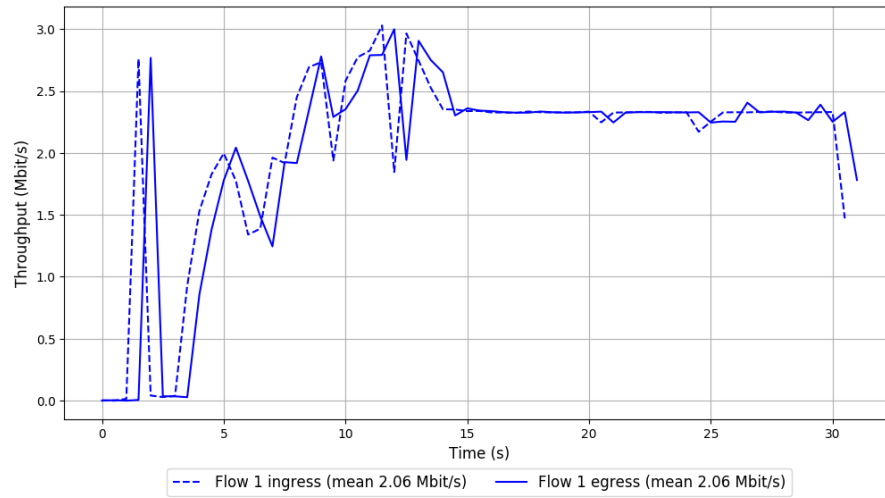


Run 4: Statistics of WebRTC media

Start at: 2019-02-20 08:20:14
End at: 2019-02-20 08:20:44
Local clock offset: -0.097 ms
Remote clock offset: -0.251 ms

Below is generated by plot.py at 2019-02-20 11:25:07
Datalink statistics
-- Total of 1 flow:
Average throughput: 2.06 Mbit/s
95th percentile per-packet one-way delay: 62.998 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.06 Mbit/s
95th percentile per-packet one-way delay: 62.998 ms
Loss rate: 0.00%

Run 4: Report of WebRTC media — Data Link



Run 5: Statistics of WebRTC media

Start at: 2019-02-20 08:51:30
End at: 2019-02-20 08:52:00
Local clock offset: -0.08 ms
Remote clock offset: -0.129 ms

Below is generated by plot.py at 2019-02-20 11:25:07
Datalink statistics
-- Total of 1 flow:
Average throughput: 1.99 Mbit/s
95th percentile per-packet one-way delay: 63.270 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 1.99 Mbit/s
95th percentile per-packet one-way delay: 63.270 ms
Loss rate: 0.00%

Run 5: Report of WebRTC media — Data Link

