

Pantheon Report

Generated at 2019-02-20 23:58:07 (UTC).

Data path: GCE Sydney 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:

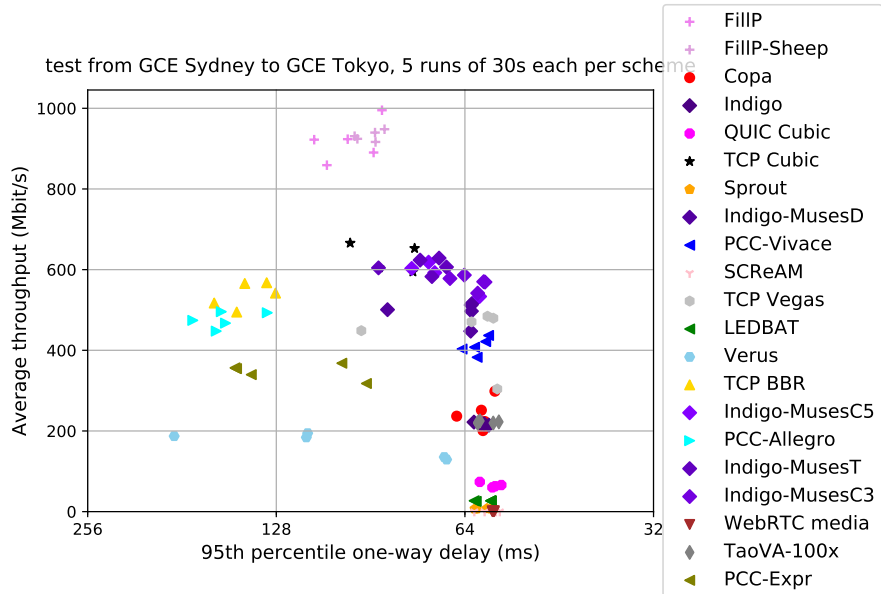
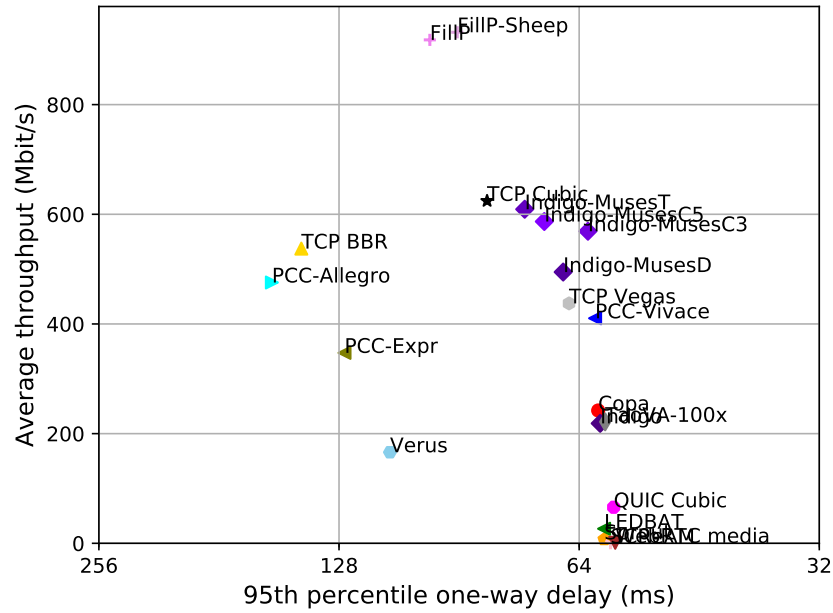
```
Linux 4.15.0-1026-gcp
net.core.default_qdisc = fq
net.core.rmem_default = 16777216
net.core.rmem_max = 536870912
net.core.wmem_default = 16777216
net.core.wmem_max = 536870912
net.ipv4.tcp_rmem = 4096 16777216 536870912
net.ipv4.tcp_wmem = 4096 16777216 536870912
```

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 Sydney 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	537.45	142.71	0.84
Copa	5	242.23	60.58	0.00
TCP Cubic	5	624.38	83.49	0.05
FillP	5	918.05	98.48	2.50
FillP-Sheep	5	931.92	90.99	0.20
Indigo	5	218.68	60.23	0.01
Indigo-MusesC3	5	569.08	62.40	0.01
Indigo-MusesC5	4	586.82	70.77	0.01
Indigo-MusesD	5	494.66	67.02	0.01
Indigo-MusesT	5	609.17	74.89	0.03
LEDBAT	5	26.58	59.56	0.03
PCC-Allegro	5	475.61	155.37	1.58
PCC-Expr	5	347.26	126.00	0.68
QUIC Cubic	4	65.72	57.93	0.00
SCReAM	5	0.22	58.47	0.00
Sprout	5	7.30	59.53	0.00
TaoVA-100x	5	221.47	59.37	0.01
TCP Vegas	5	437.48	65.90	0.00
Verus	5	166.07	110.50	0.43
PCC-Vivace	5	410.36	61.13	0.00
WebRTC media	5	0.90	57.67	0.00

Run 1: Statistics of TCP BBR

Start at: 2019-02-20 19:13:13

End at: 2019-02-20 19:13:43

Local clock offset: -0.041 ms

Remote clock offset: 1.187 ms

Below is generated by plot.py at 2019-02-20 22:11:06

Datalink statistics

-- Total of 1 flow:

Average throughput: 565.75 Mbit/s

95th percentile per-packet one-way delay: 143.719 ms

Loss rate: 0.75%

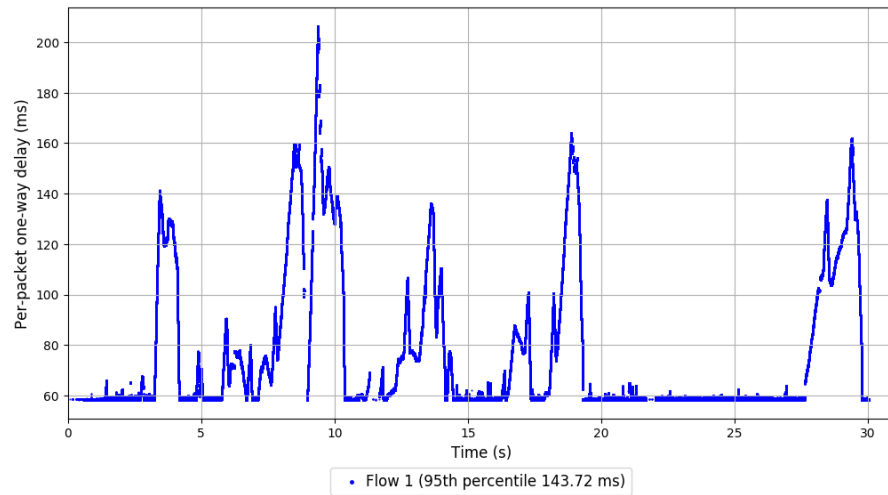
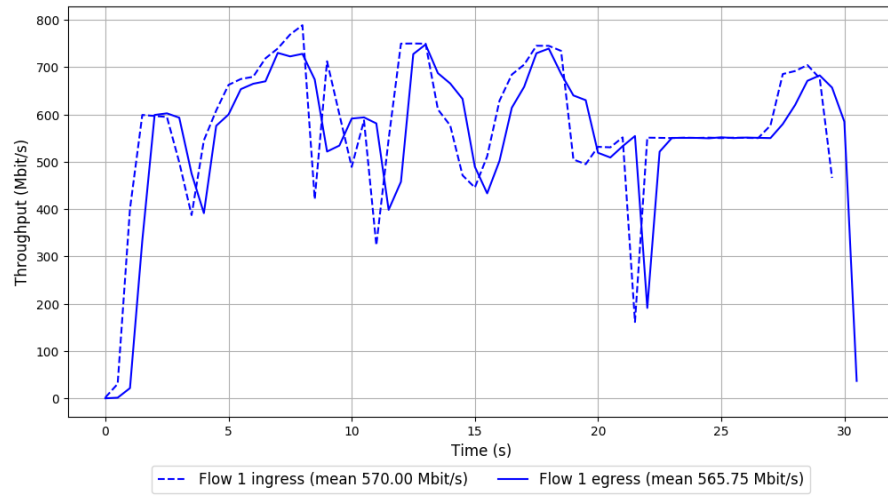
-- Flow 1:

Average throughput: 565.75 Mbit/s

95th percentile per-packet one-way delay: 143.719 ms

Loss rate: 0.75%

Run 1: Report of TCP BBR — Data Link

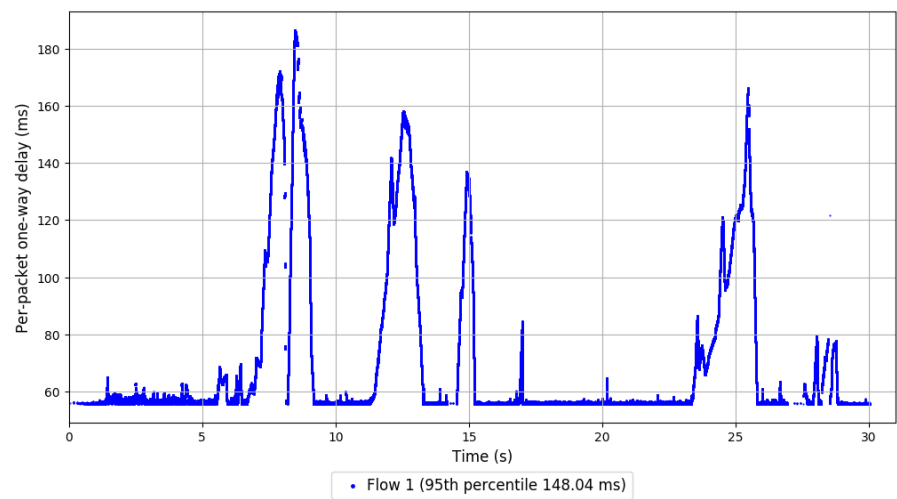
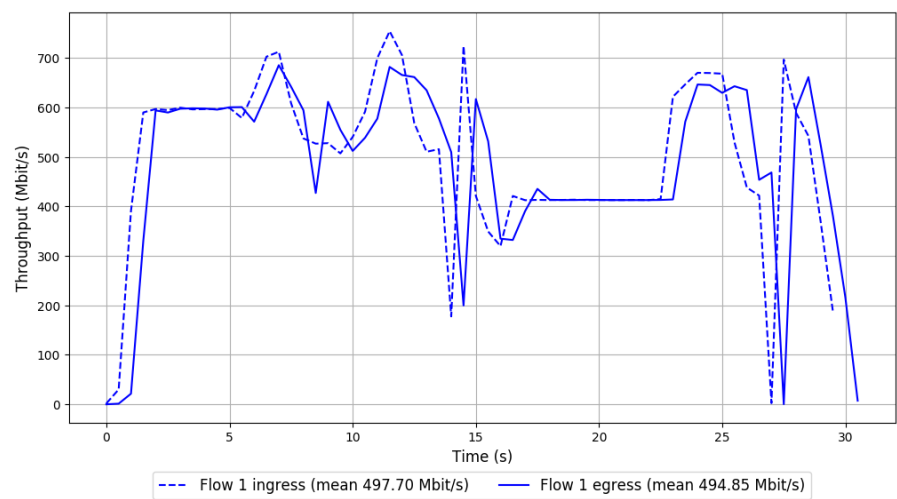


Run 2: Statistics of TCP BBR

Start at: 2019-02-20 19:49:29
End at: 2019-02-20 19:49:59
Local clock offset: 0.094 ms
Remote clock offset: -1.554 ms

Below is generated by plot.py at 2019-02-20 22:11:06
Datalink statistics
-- Total of 1 flow:
Average throughput: 494.85 Mbit/s
95th percentile per-packet one-way delay: 148.041 ms
Loss rate: 0.57%
-- Flow 1:
Average throughput: 494.85 Mbit/s
95th percentile per-packet one-way delay: 148.041 ms
Loss rate: 0.57%

Run 2: Report of TCP BBR — Data Link



Run 3: Statistics of TCP BBR

Start at: 2019-02-20 20:23:35

End at: 2019-02-20 20:24:05

Local clock offset: 0.251 ms

Remote clock offset: -1.041 ms

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

Datalink statistics

-- Total of 1 flow:

Average throughput: 567.57 Mbit/s

95th percentile per-packet one-way delay: 132.617 ms

Loss rate: 0.39%

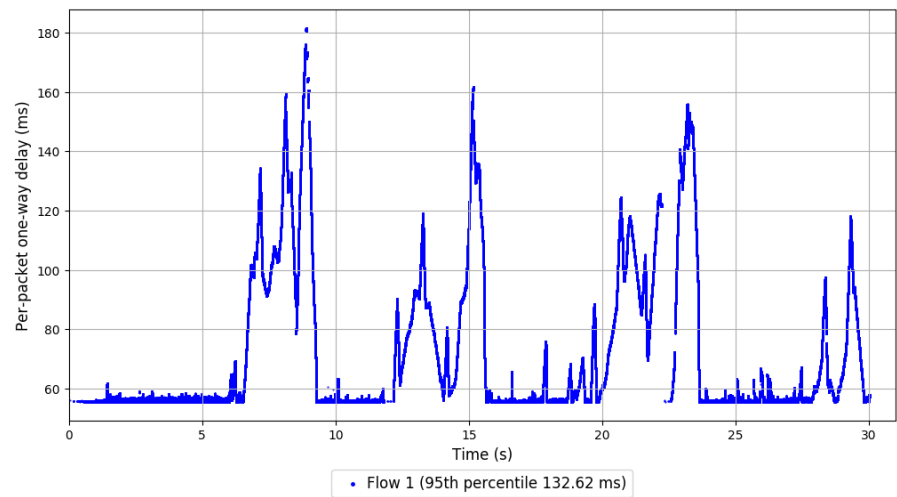
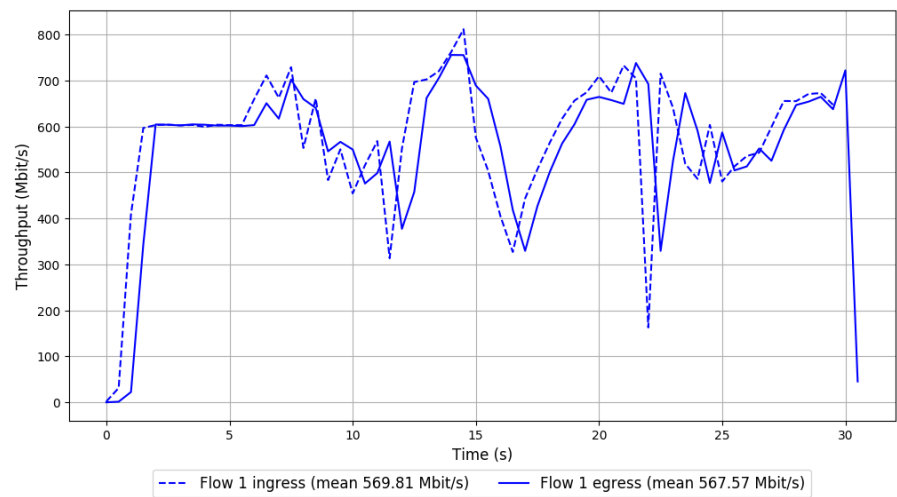
-- Flow 1:

Average throughput: 567.57 Mbit/s

95th percentile per-packet one-way delay: 132.617 ms

Loss rate: 0.39%

Run 3: Report of TCP BBR — Data Link



Run 4: Statistics of TCP BBR

Start at: 2019-02-20 20:57:33

End at: 2019-02-20 20:58:03

Local clock offset: -0.47 ms

Remote clock offset: -0.162 ms

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

Datalink statistics

-- Total of 1 flow:

Average throughput: 541.84 Mbit/s

95th percentile per-packet one-way delay: 128.371 ms

Loss rate: 0.45%

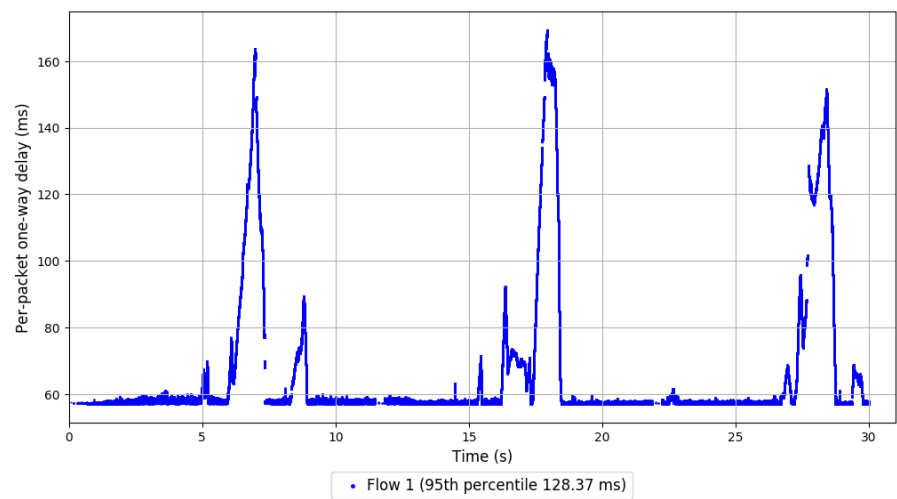
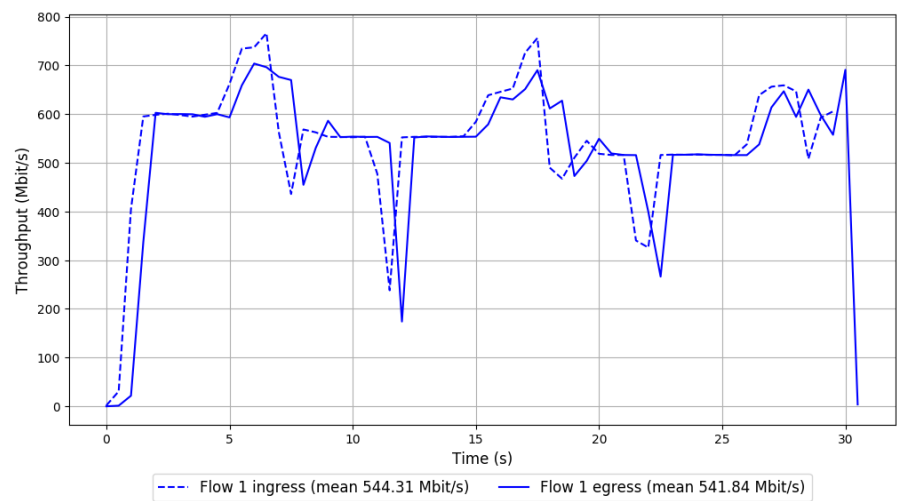
-- Flow 1:

Average throughput: 541.84 Mbit/s

95th percentile per-packet one-way delay: 128.371 ms

Loss rate: 0.45%

Run 4: Report of TCP BBR — Data Link



Run 5: Statistics of TCP BBR

Start at: 2019-02-20 21:33:18

End at: 2019-02-20 21:33:48

Local clock offset: -0.067 ms

Remote clock offset: 0.01 ms

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

Datalink statistics

-- Total of 1 flow:

Average throughput: 517.22 Mbit/s

95th percentile per-packet one-way delay: 160.801 ms

Loss rate: 2.03%

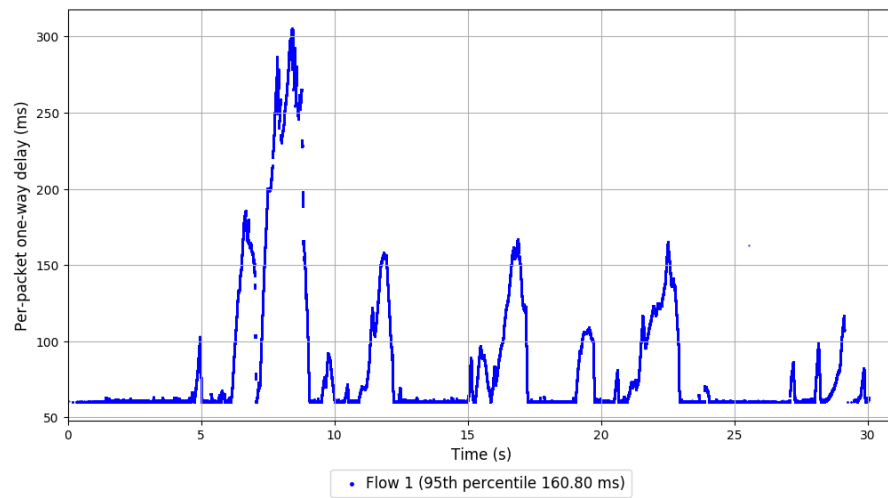
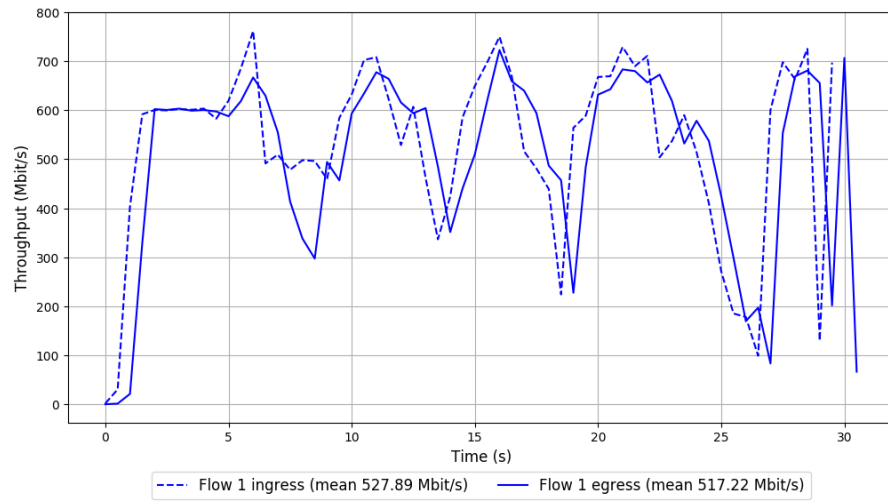
-- Flow 1:

Average throughput: 517.22 Mbit/s

95th percentile per-packet one-way delay: 160.801 ms

Loss rate: 2.03%

Run 5: Report of TCP BBR — Data Link



Run 1: Statistics of Copa

Start at: 2019-02-20 19:07:44

End at: 2019-02-20 19:08:14

Local clock offset: 0.386 ms

Remote clock offset: 0.511 ms

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

Datalink statistics

-- Total of 1 flow:

Average throughput: 223.44 Mbit/s

95th percentile per-packet one-way delay: 59.496 ms

Loss rate: 0.00%

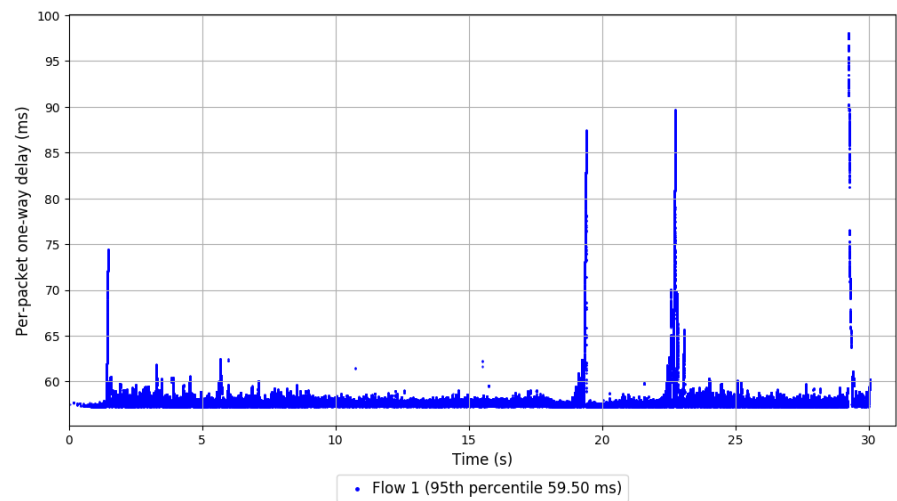
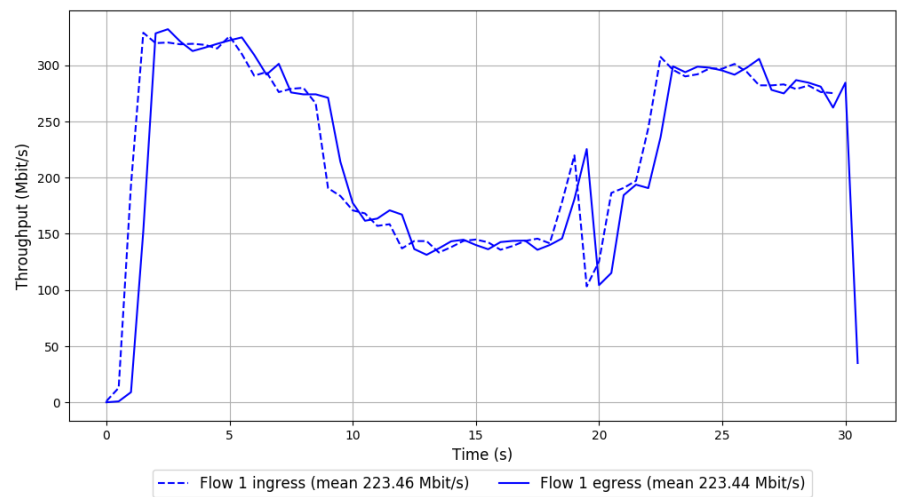
-- Flow 1:

Average throughput: 223.44 Mbit/s

95th percentile per-packet one-way delay: 59.496 ms

Loss rate: 0.00%

Run 1: Report of Copa — Data Link

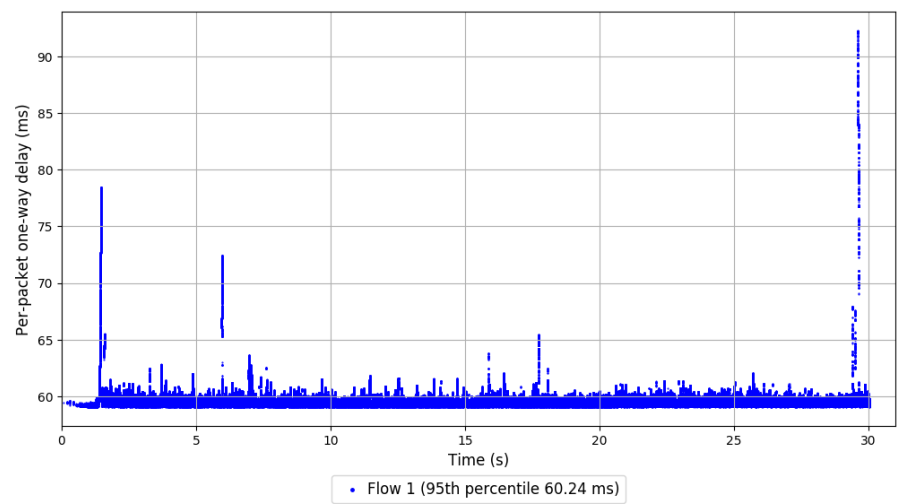
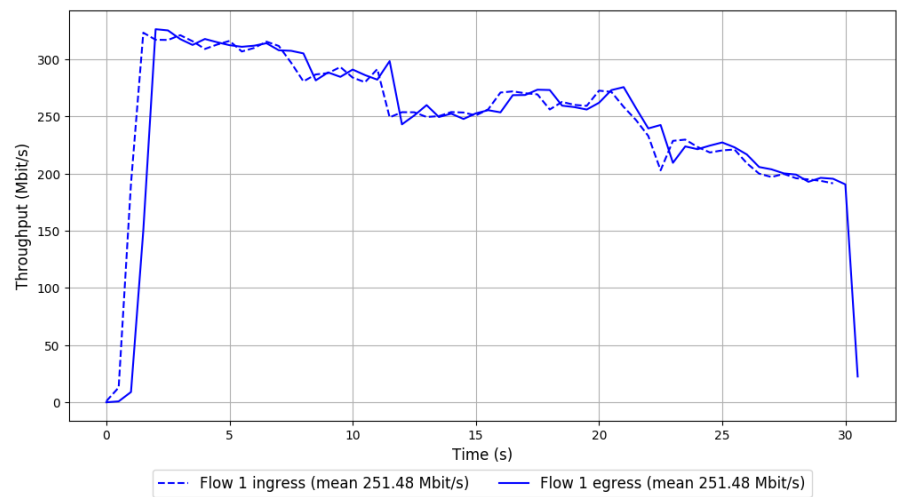


Run 2: Statistics of Copa

Start at: 2019-02-20 19:43:49
End at: 2019-02-20 19:44:20
Local clock offset: 0.416 ms
Remote clock offset: -0.784 ms

Below is generated by plot.py at 2019-02-20 22:11:11
Datalink statistics
-- Total of 1 flow:
Average throughput: 251.48 Mbit/s
95th percentile per-packet one-way delay: 60.242 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 251.48 Mbit/s
95th percentile per-packet one-way delay: 60.242 ms
Loss rate: 0.00%

Run 2: Report of Copa — Data Link

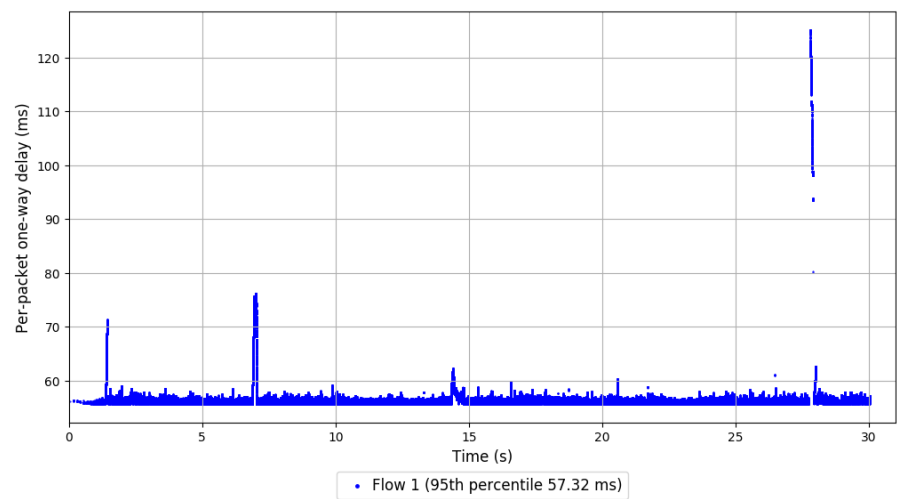
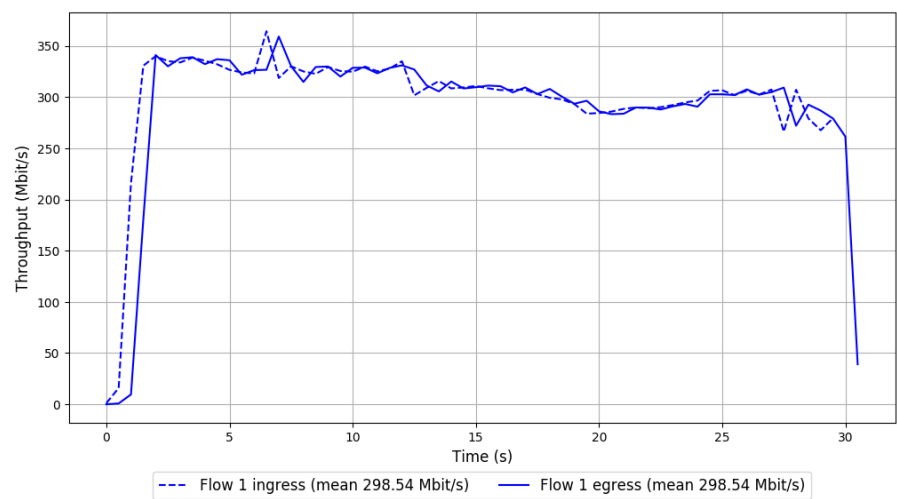


Run 3: Statistics of Copa

Start at: 2019-02-20 20:18:19
End at: 2019-02-20 20:18:49
Local clock offset: 0.106 ms
Remote clock offset: -0.971 ms

Below is generated by plot.py at 2019-02-20 22:11:11
Datalink statistics
-- Total of 1 flow:
Average throughput: 298.54 Mbit/s
95th percentile per-packet one-way delay: 57.321 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 298.54 Mbit/s
95th percentile per-packet one-way delay: 57.321 ms
Loss rate: 0.00%

Run 3: Report of Copa — Data Link

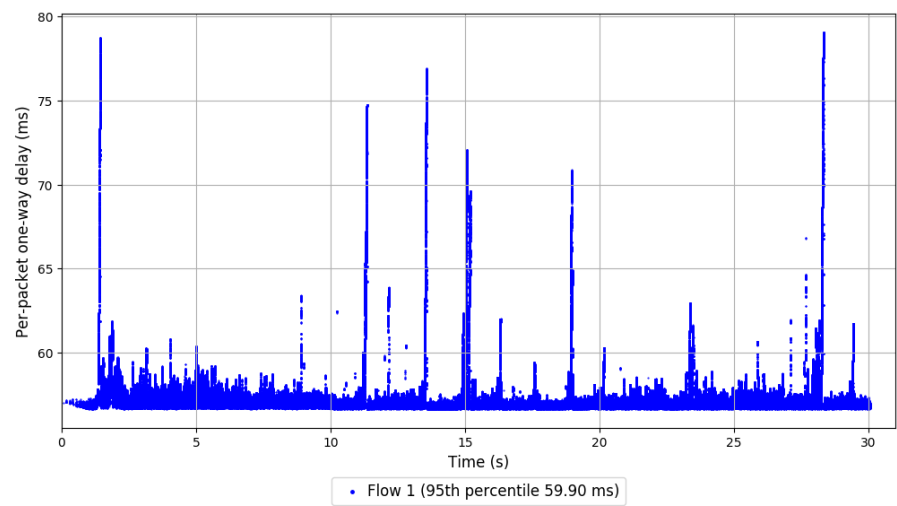
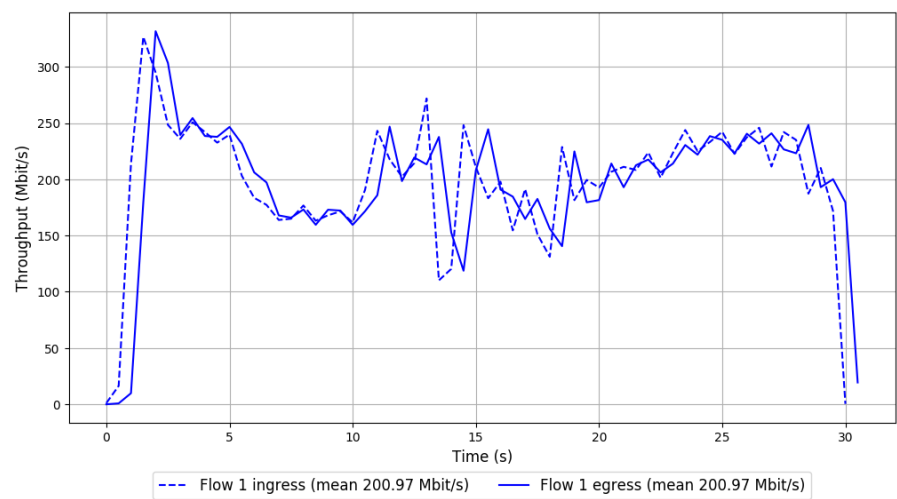


Run 4: Statistics of Copa

Start at: 2019-02-20 20:52:25
End at: 2019-02-20 20:52:55
Local clock offset: 0.122 ms
Remote clock offset: -0.194 ms

Below is generated by plot.py at 2019-02-20 22:14:09
Datalink statistics
-- Total of 1 flow:
Average throughput: 200.97 Mbit/s
95th percentile per-packet one-way delay: 59.896 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 200.97 Mbit/s
95th percentile per-packet one-way delay: 59.896 ms
Loss rate: 0.00%

Run 4: Report of Copa — Data Link



Run 5: Statistics of Copa

Start at: 2019-02-20 21:27:35

End at: 2019-02-20 21:28:05

Local clock offset: -0.297 ms

Remote clock offset: 0.789 ms

Below is generated by plot.py at 2019-02-20 22:16:01

Datalink statistics

-- Total of 1 flow:

Average throughput: 236.72 Mbit/s

95th percentile per-packet one-way delay: 65.967 ms

Loss rate: 0.00%

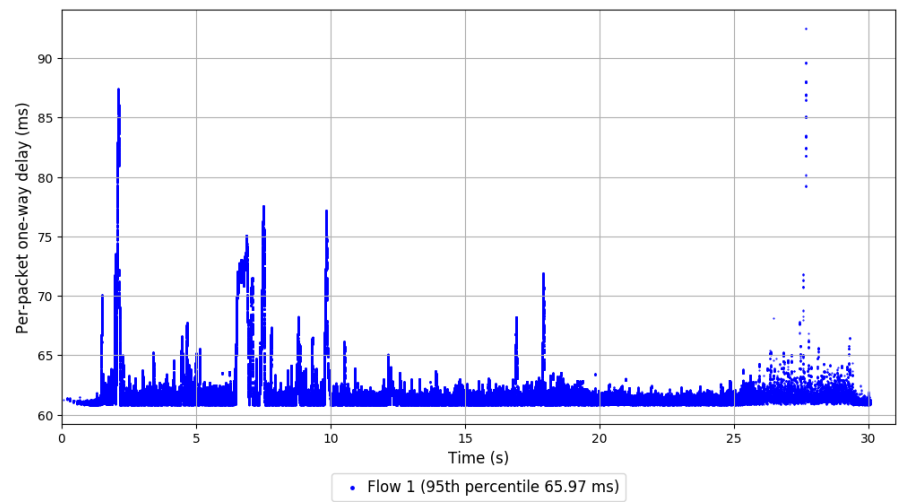
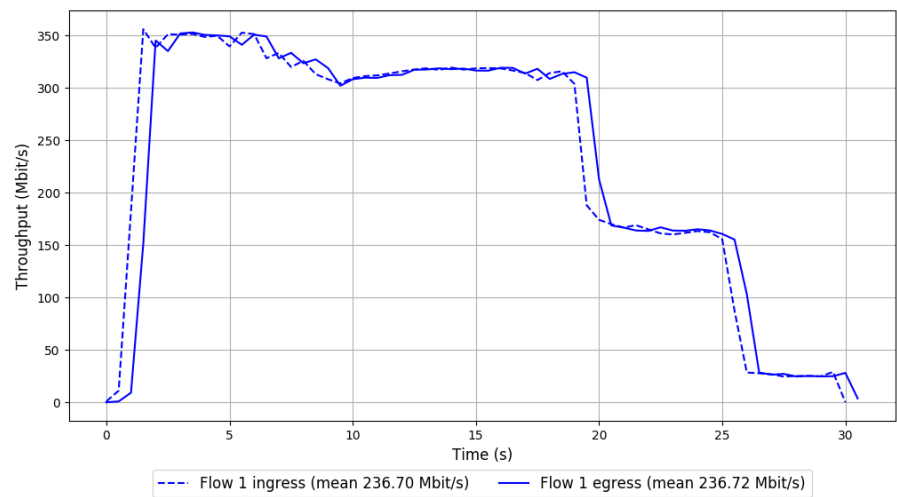
-- Flow 1:

Average throughput: 236.72 Mbit/s

95th percentile per-packet one-way delay: 65.967 ms

Loss rate: 0.00%

Run 5: Report of Copa — Data Link

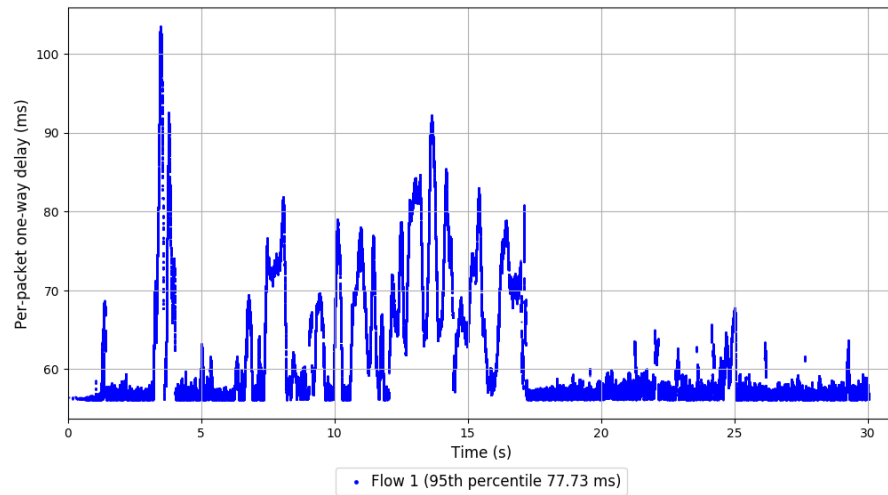
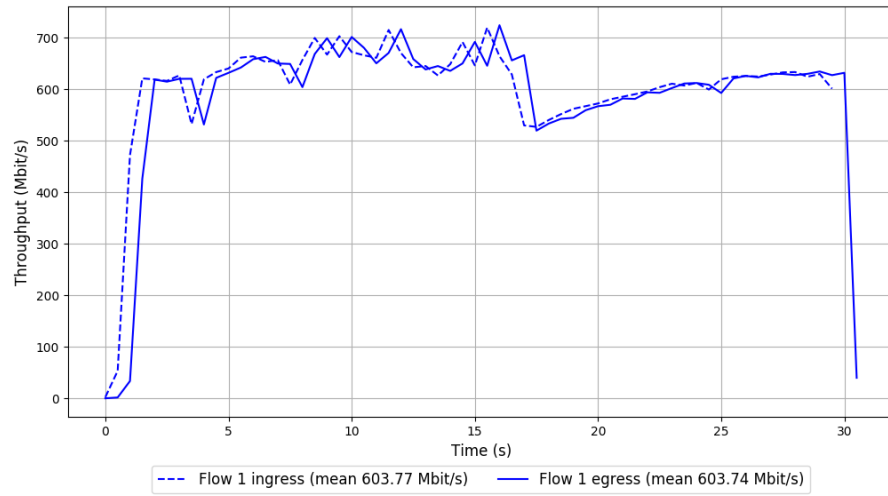


Run 1: Statistics of TCP Cubic

Start at: 2019-02-20 18:59:41
End at: 2019-02-20 19:00:11
Local clock offset: -0.383 ms
Remote clock offset: -1.369 ms

Below is generated by plot.py at 2019-02-20 22:21:04
Datalink statistics
-- Total of 1 flow:
Average throughput: 603.74 Mbit/s
95th percentile per-packet one-way delay: 77.727 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 603.74 Mbit/s
95th percentile per-packet one-way delay: 77.727 ms
Loss rate: 0.00%

Run 1: Report of TCP Cubic — Data Link

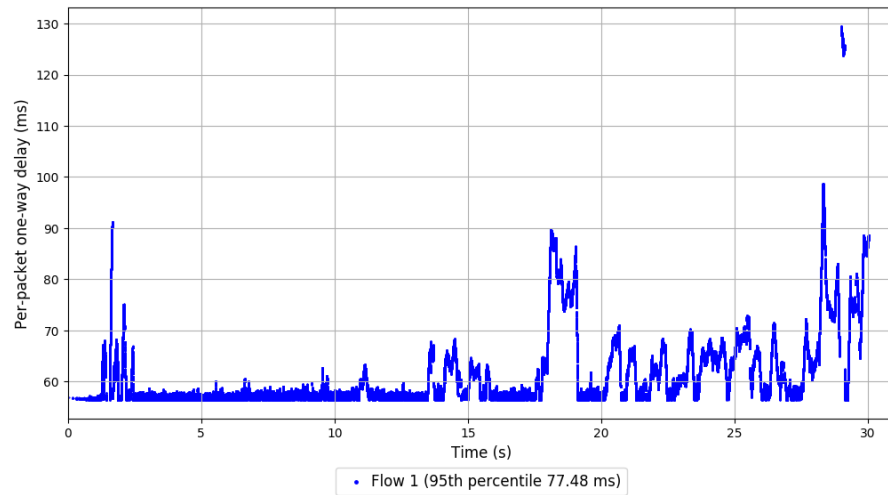
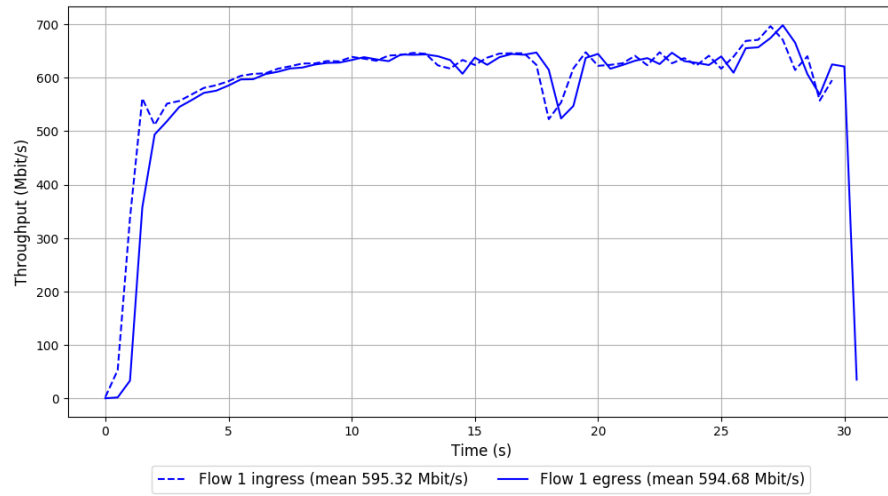


Run 2: Statistics of TCP Cubic

Start at: 2019-02-20 19:35:45
End at: 2019-02-20 19:36:15
Local clock offset: -0.322 ms
Remote clock offset: -0.878 ms

Below is generated by plot.py at 2019-02-20 22:21:18
Datalink statistics
-- Total of 1 flow:
Average throughput: 594.68 Mbit/s
95th percentile per-packet one-way delay: 77.477 ms
Loss rate: 0.11%
-- Flow 1:
Average throughput: 594.68 Mbit/s
95th percentile per-packet one-way delay: 77.477 ms
Loss rate: 0.11%

Run 2: Report of TCP Cubic — Data Link



Run 3: Statistics of TCP Cubic

Start at: 2019-02-20 20:11:15

End at: 2019-02-20 20:11:45

Local clock offset: 0.086 ms

Remote clock offset: 1.124 ms

Below is generated by plot.py at 2019-02-20 22:21:42

Datalink statistics

-- Total of 1 flow:

Average throughput: 604.78 Mbit/s

95th percentile per-packet one-way delay: 87.669 ms

Loss rate: 0.02%

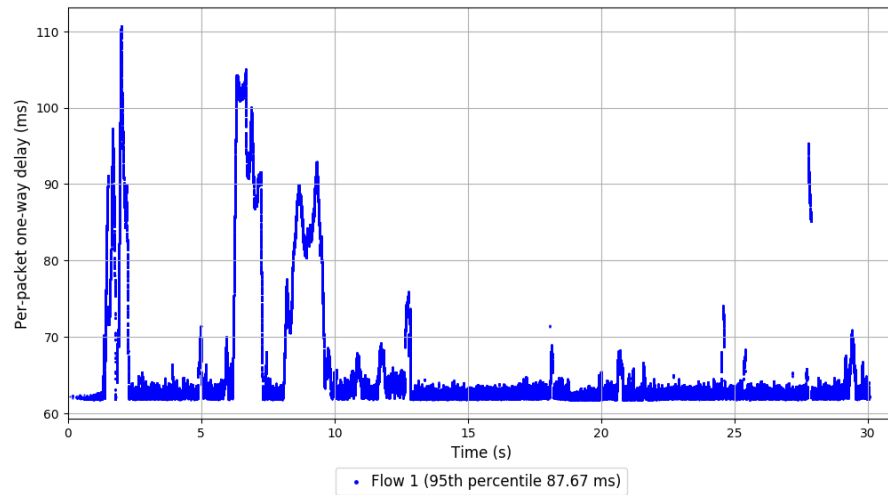
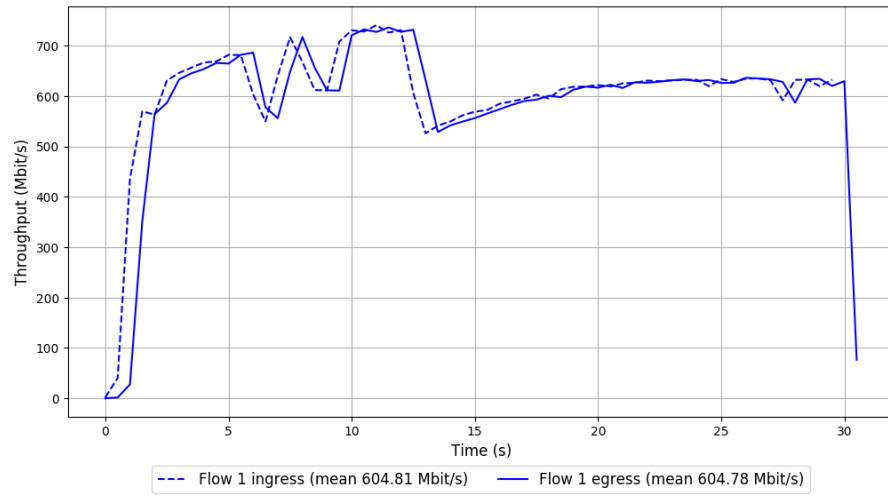
-- Flow 1:

Average throughput: 604.78 Mbit/s

95th percentile per-packet one-way delay: 87.669 ms

Loss rate: 0.02%

Run 3: Report of TCP Cubic — Data Link

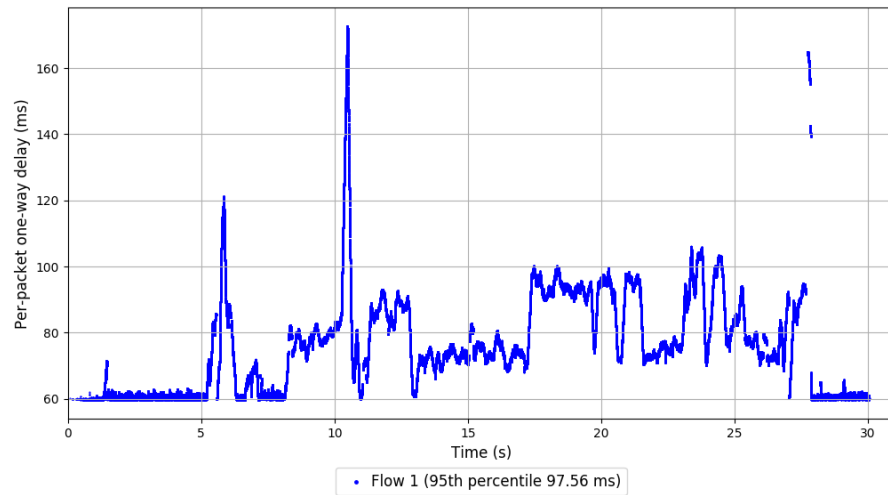
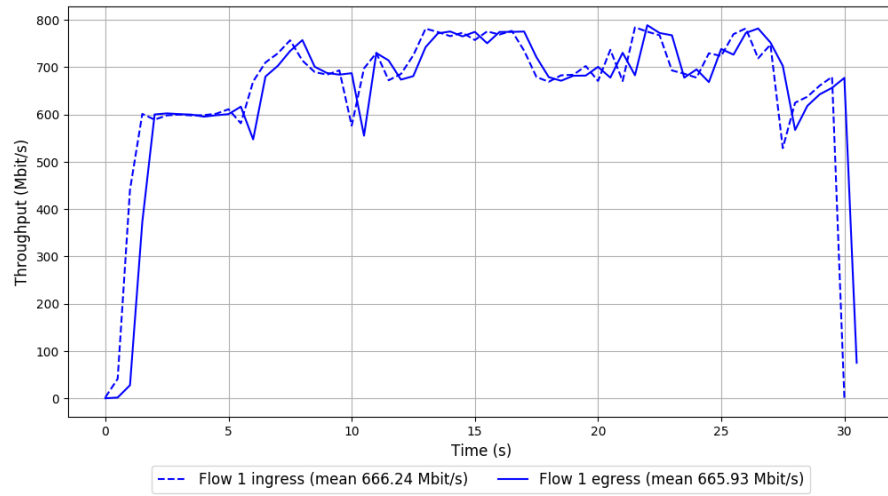


Run 4: Statistics of TCP Cubic

Start at: 2019-02-20 20:45:12
End at: 2019-02-20 20:45:42
Local clock offset: -0.47 ms
Remote clock offset: -1.107 ms

Below is generated by plot.py at 2019-02-20 22:22:48
Datalink statistics
-- Total of 1 flow:
Average throughput: 665.93 Mbit/s
95th percentile per-packet one-way delay: 97.559 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 665.93 Mbit/s
95th percentile per-packet one-way delay: 97.559 ms
Loss rate: 0.06%

Run 4: Report of TCP Cubic — Data Link



Run 5: Statistics of TCP Cubic

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

End at: 2019-02-20 21:20:38

Local clock offset: -0.321 ms

Remote clock offset: -0.05 ms

Below is generated by plot.py at 2019-02-20 22:22:48

Datalink statistics

-- Total of 1 flow:

Average throughput: 652.79 Mbit/s

95th percentile per-packet one-way delay: 76.998 ms

Loss rate: 0.07%

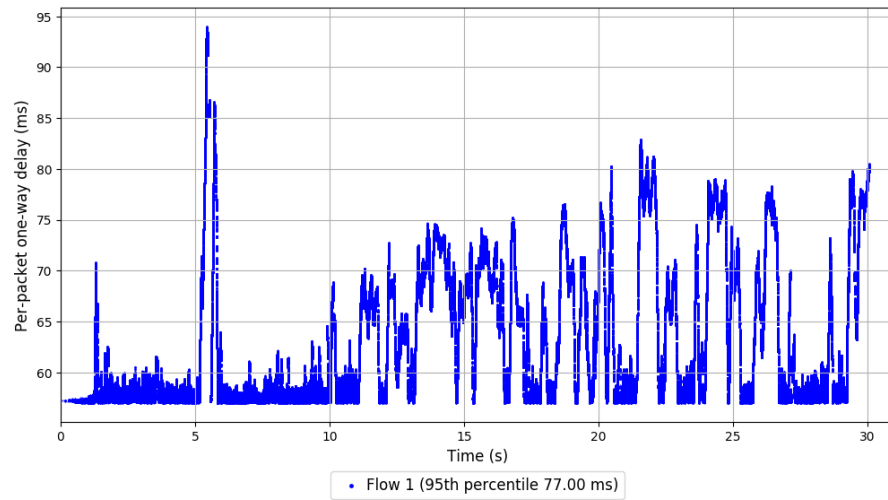
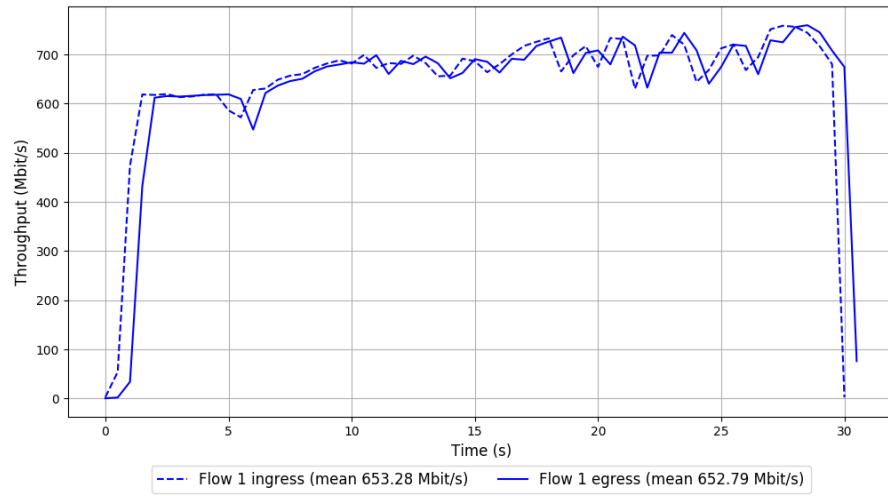
-- Flow 1:

Average throughput: 652.79 Mbit/s

95th percentile per-packet one-way delay: 76.998 ms

Loss rate: 0.07%

Run 5: Report of TCP Cubic — Data Link



Run 1: Statistics of FillP

Start at: 2019-02-20 19:01:46

End at: 2019-02-20 19:02:16

Local clock offset: -0.14 ms

Remote clock offset: -0.75 ms

Below is generated by plot.py at 2019-02-20 22:30:05

Datalink statistics

-- Total of 1 flow:

Average throughput: 923.47 Mbit/s

95th percentile per-packet one-way delay: 98.457 ms

Loss rate: 0.03%

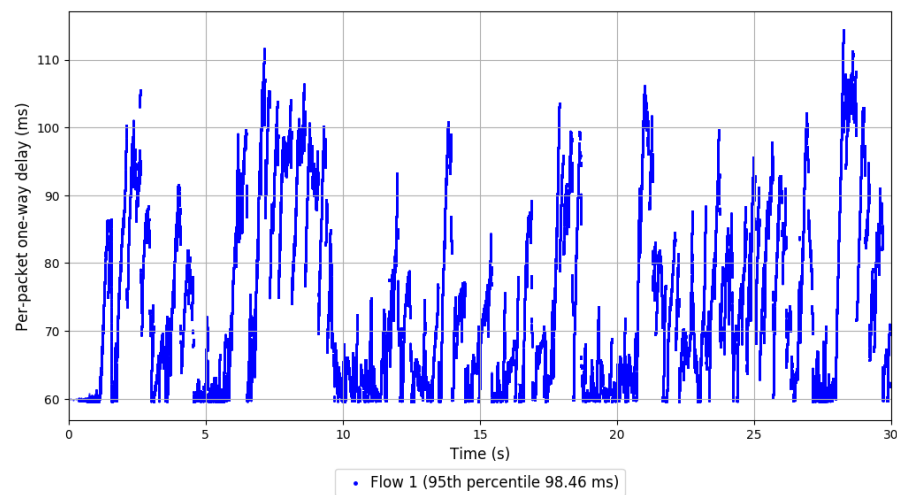
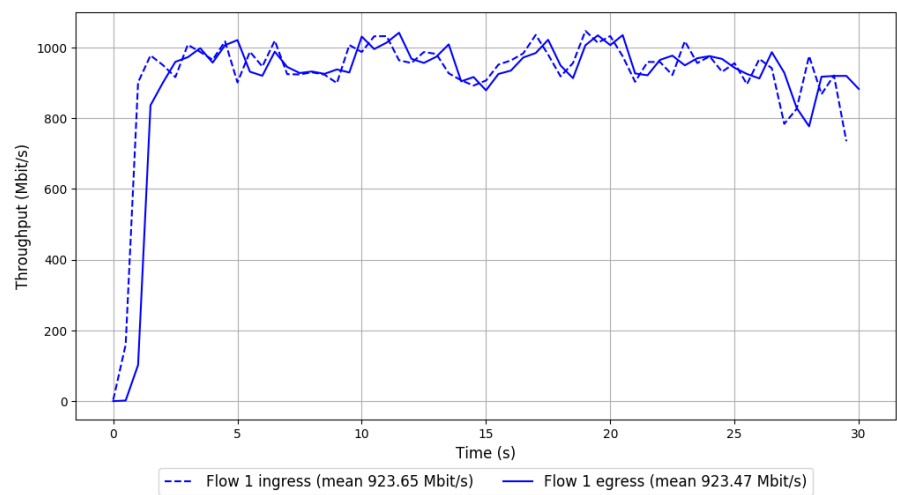
-- Flow 1:

Average throughput: 923.47 Mbit/s

95th percentile per-packet one-way delay: 98.457 ms

Loss rate: 0.03%

Run 1: Report of FillP — Data Link

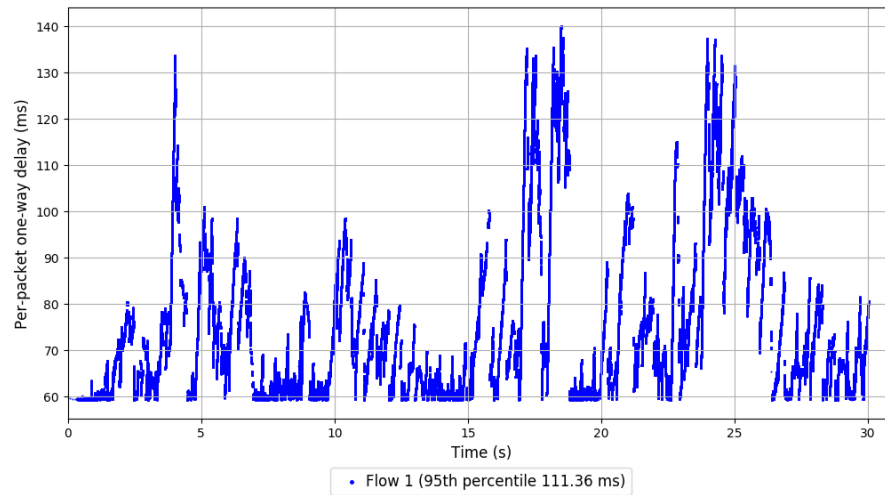
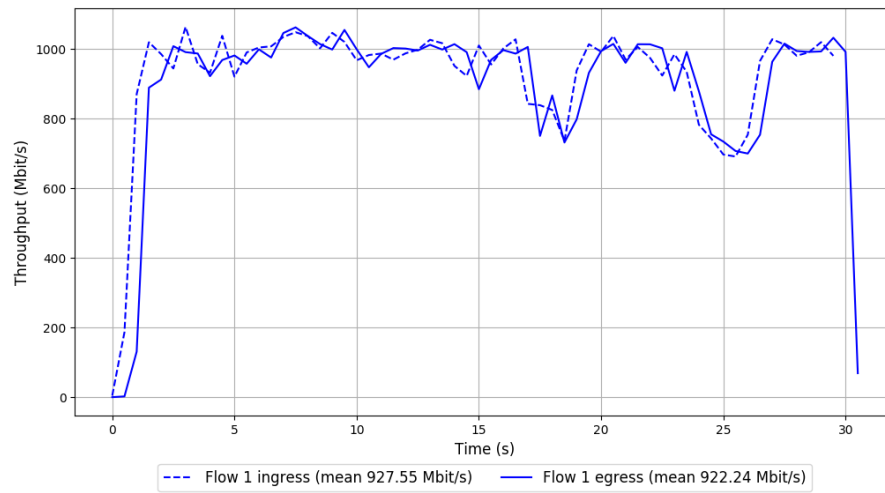


Run 2: Statistics of FillP

Start at: 2019-02-20 19:37:41
End at: 2019-02-20 19:38:11
Local clock offset: -0.074 ms
Remote clock offset: -0.929 ms

Below is generated by plot.py at 2019-02-20 22:34:08
Datalink statistics
-- Total of 1 flow:
Average throughput: 922.24 Mbit/s
95th percentile per-packet one-way delay: 111.361 ms
Loss rate: 0.58%
-- Flow 1:
Average throughput: 922.24 Mbit/s
95th percentile per-packet one-way delay: 111.361 ms
Loss rate: 0.58%

Run 2: Report of FillP — Data Link



Run 3: Statistics of FillP

Start at: 2019-02-20 20:13:01

End at: 2019-02-20 20:13:31

Local clock offset: -0.055 ms

Remote clock offset: 1.082 ms

Below is generated by plot.py at 2019-02-20 22:36:34

Datalink statistics

-- Total of 1 flow:

Average throughput: 859.01 Mbit/s

95th percentile per-packet one-way delay: 106.279 ms

Loss rate: 6.07%

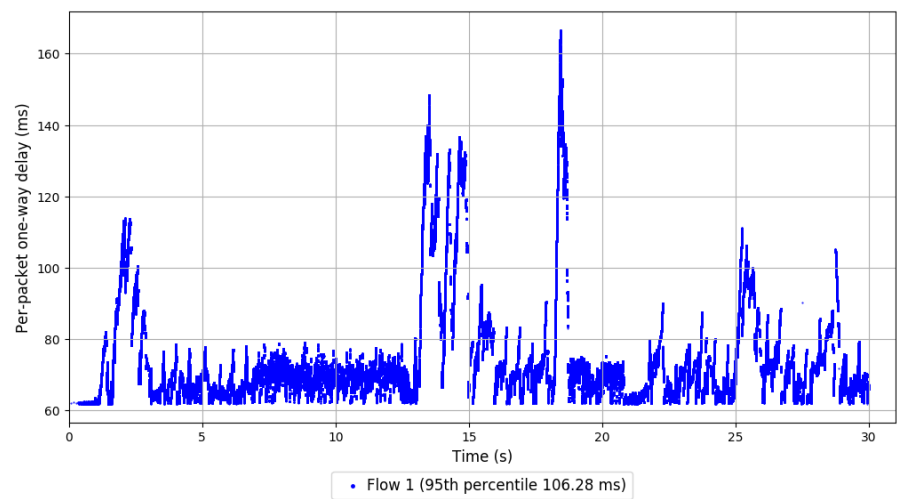
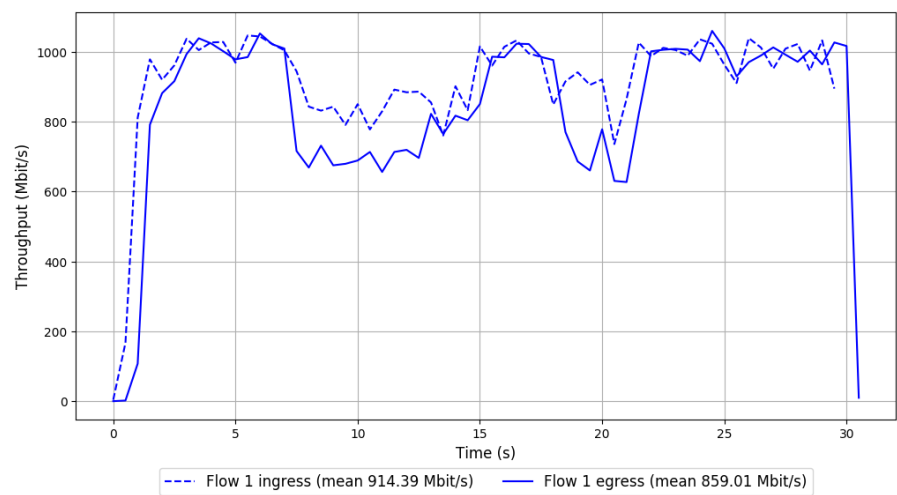
-- Flow 1:

Average throughput: 859.01 Mbit/s

95th percentile per-packet one-way delay: 106.279 ms

Loss rate: 6.07%

Run 3: Report of FillP — Data Link

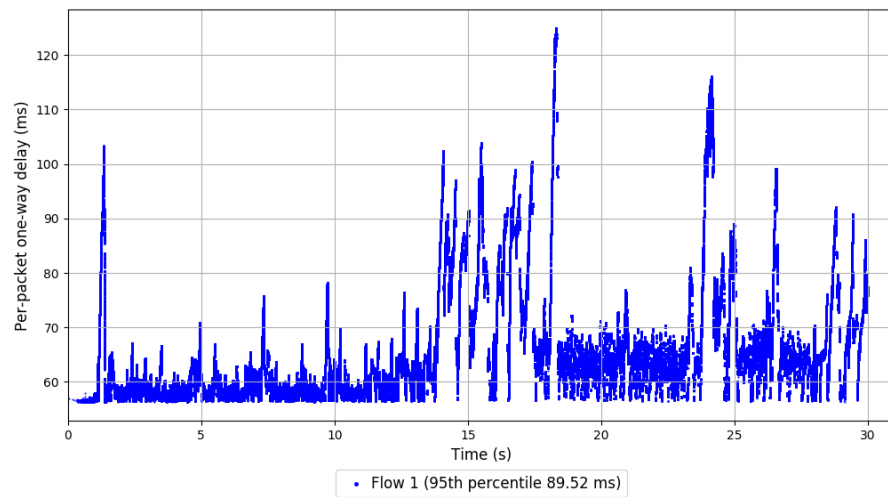
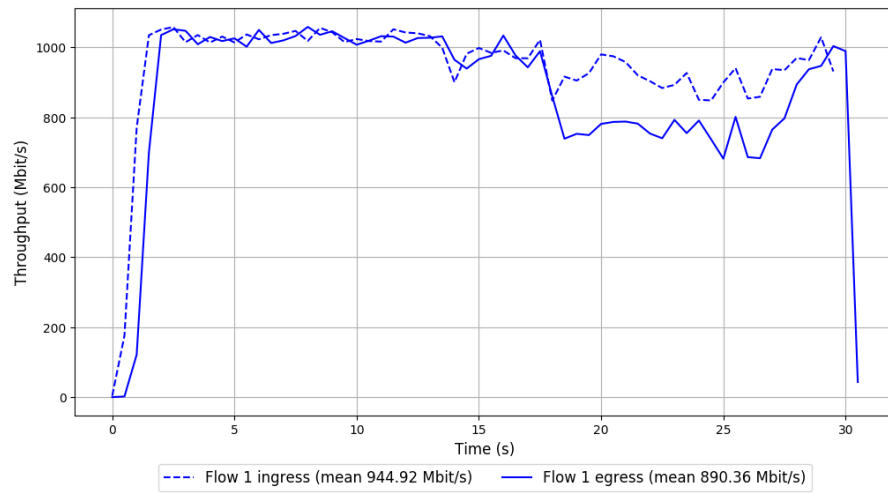


Run 4: Statistics of FillP

Start at: 2019-02-20 20:46:57
End at: 2019-02-20 20:47:27
Local clock offset: -0.245 ms
Remote clock offset: -1.026 ms

Below is generated by plot.py at 2019-02-20 22:42:16
Datalink statistics
-- Total of 1 flow:
Average throughput: 890.36 Mbit/s
95th percentile per-packet one-way delay: 89.518 ms
Loss rate: 5.78%
-- Flow 1:
Average throughput: 890.36 Mbit/s
95th percentile per-packet one-way delay: 89.518 ms
Loss rate: 5.78%

Run 4: Report of FillP — Data Link



Run 5: Statistics of FillP

Start at: 2019-02-20 21:22:03

End at: 2019-02-20 21:22:33

Local clock offset: -0.034 ms

Remote clock offset: 0.826 ms

Below is generated by plot.py at 2019-02-20 22:44:06

Datalink statistics

-- Total of 1 flow:

Average throughput: 995.18 Mbit/s

95th percentile per-packet one-way delay: 86.803 ms

Loss rate: 0.05%

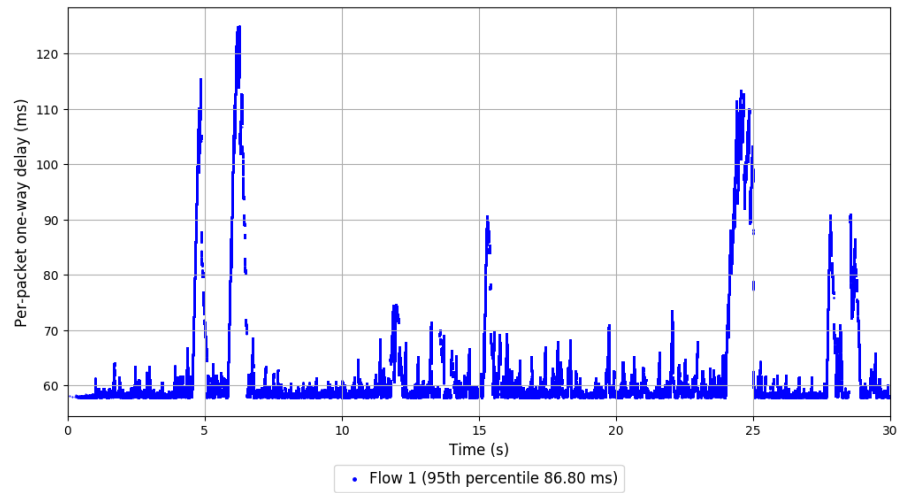
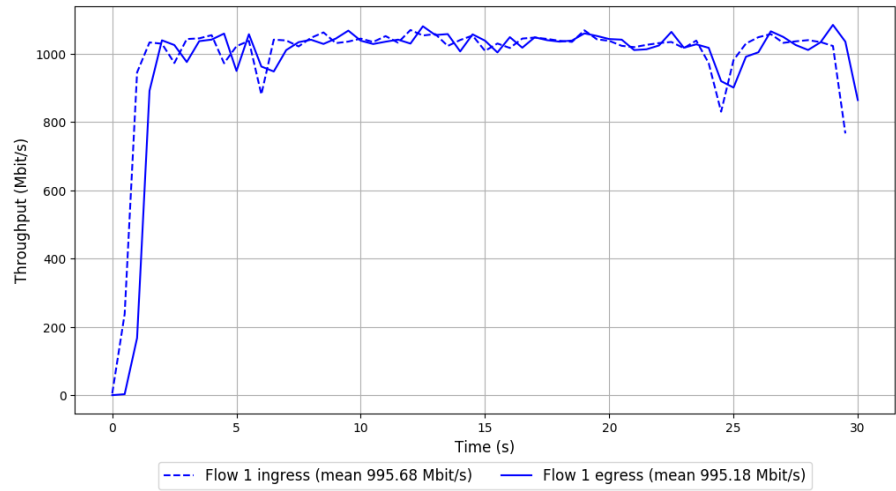
-- Flow 1:

Average throughput: 995.18 Mbit/s

95th percentile per-packet one-way delay: 86.803 ms

Loss rate: 0.05%

Run 5: Report of FillP — Data Link



Run 1: Statistics of FillP-Sheep

Start at: 2019-02-20 19:26:11

End at: 2019-02-20 19:26:41

Local clock offset: 0.034 ms

Remote clock offset: 0.479 ms

Below is generated by plot.py at 2019-02-20 22:44:06

Datalink statistics

-- Total of 1 flow:

Average throughput: 939.78 Mbit/s

95th percentile per-packet one-way delay: 89.055 ms

Loss rate: 0.29%

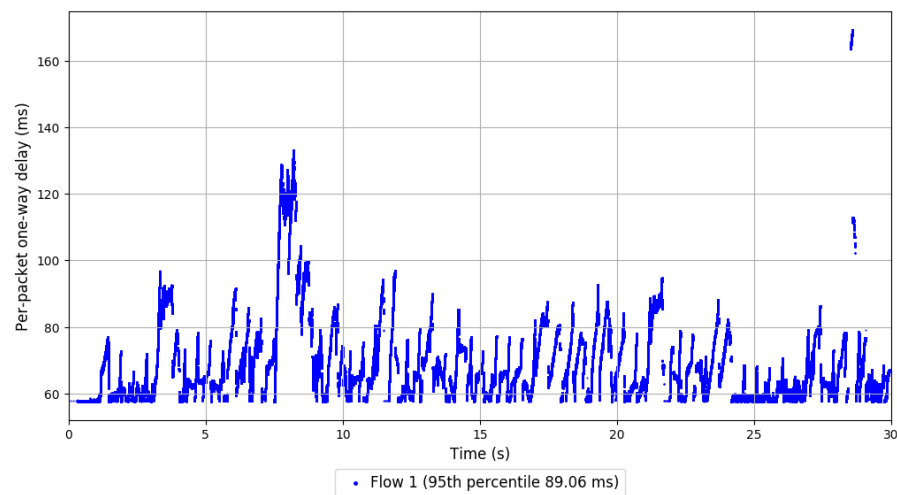
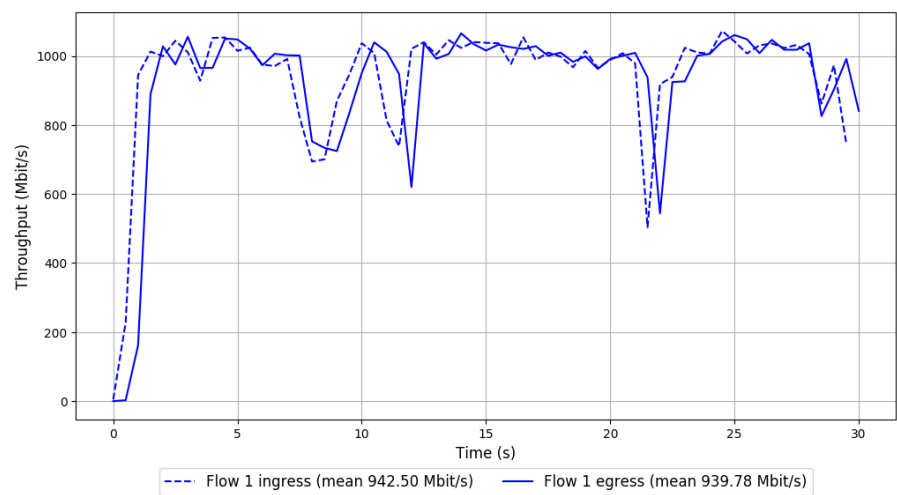
-- Flow 1:

Average throughput: 939.78 Mbit/s

95th percentile per-packet one-way delay: 89.055 ms

Loss rate: 0.29%

Run 1: Report of FillP-Sheep — Data Link

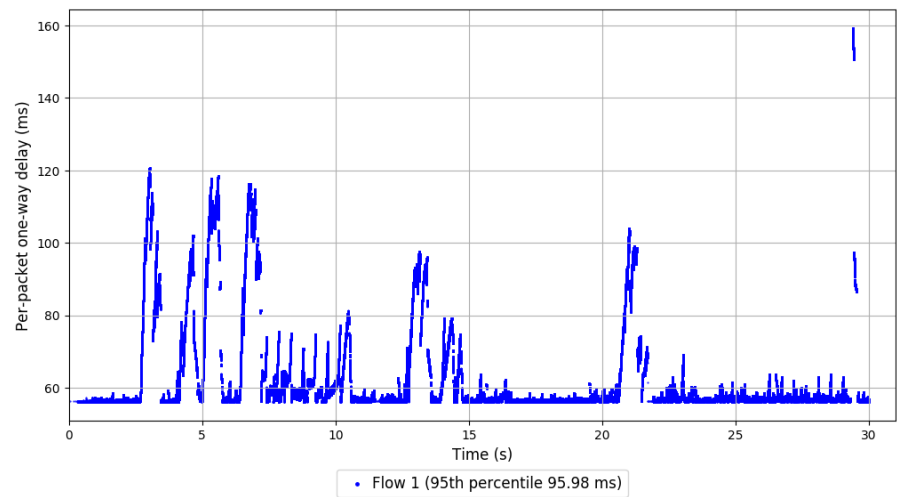
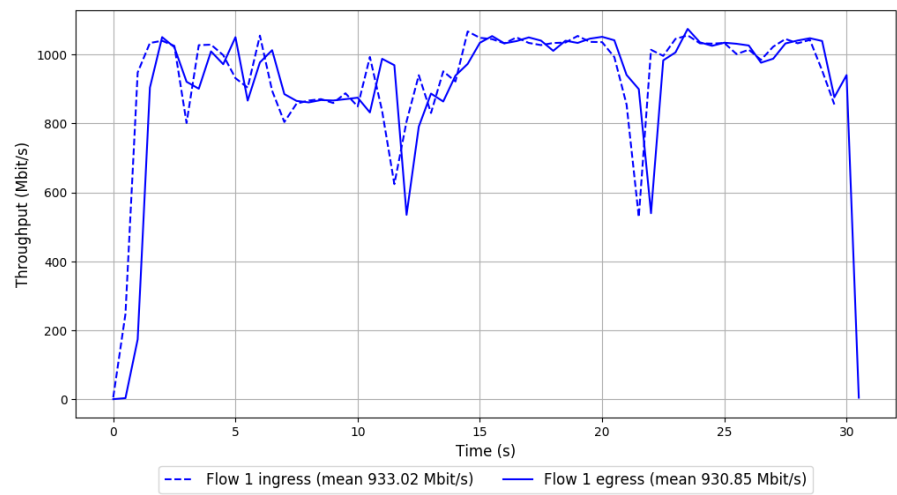


Run 2: Statistics of FillP-Sheep

Start at: 2019-02-20 20:01:50
End at: 2019-02-20 20:02:20
Local clock offset: -0.053 ms
Remote clock offset: -0.843 ms

Below is generated by plot.py at 2019-02-20 22:44:36
Datalink statistics
-- Total of 1 flow:
Average throughput: 930.85 Mbit/s
95th percentile per-packet one-way delay: 95.983 ms
Loss rate: 0.23%
-- Flow 1:
Average throughput: 930.85 Mbit/s
95th percentile per-packet one-way delay: 95.983 ms
Loss rate: 0.23%

Run 2: Report of FillP-Sheep — Data Link

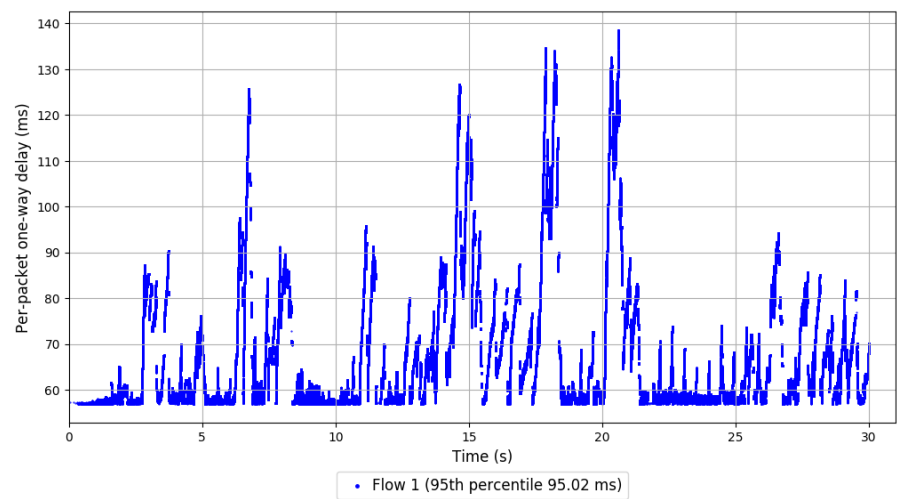
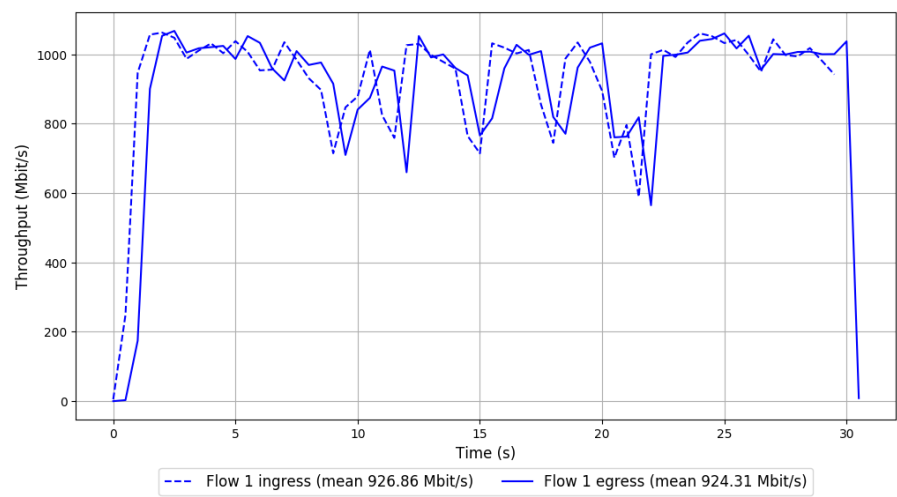


Run 3: Statistics of FillP-Sheep

Start at: 2019-02-20 20:35:27
End at: 2019-02-20 20:35:57
Local clock offset: -0.456 ms
Remote clock offset: -0.293 ms

Below is generated by plot.py at 2019-02-20 22:44:36
Datalink statistics
-- Total of 1 flow:
Average throughput: 924.31 Mbit/s
95th percentile per-packet one-way delay: 95.018 ms
Loss rate: 0.27%
-- Flow 1:
Average throughput: 924.31 Mbit/s
95th percentile per-packet one-way delay: 95.018 ms
Loss rate: 0.27%

Run 3: Report of FillP-Sheep — Data Link

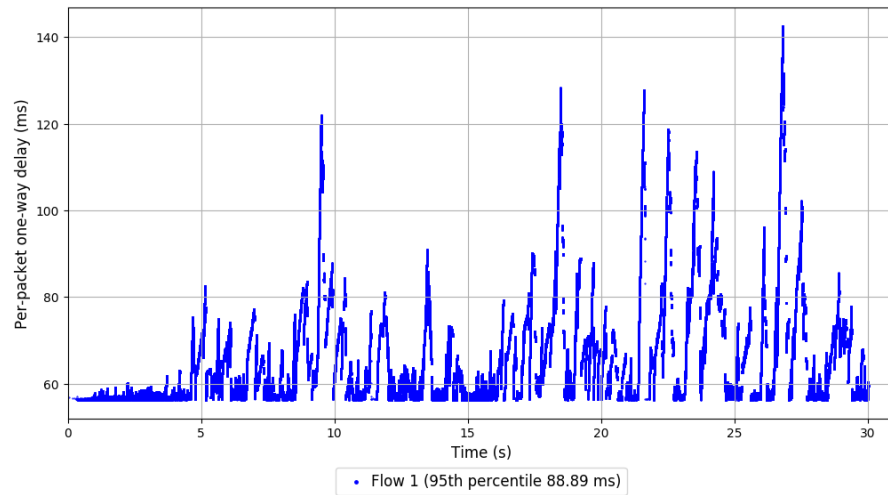
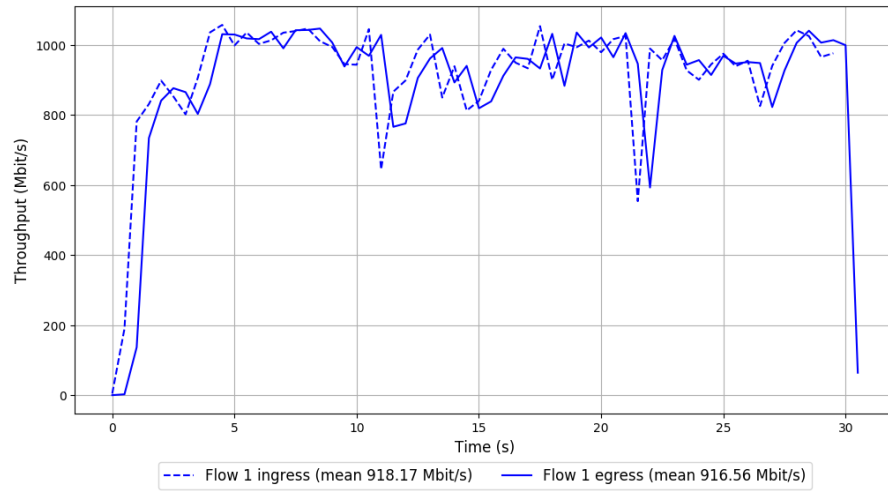


Run 4: Statistics of FillP-Sheep

Start at: 2019-02-20 21:10:18
End at: 2019-02-20 21:10:48
Local clock offset: -0.291 ms
Remote clock offset: -0.702 ms

Below is generated by plot.py at 2019-02-20 22:54:13
Datalink statistics
-- Total of 1 flow:
Average throughput: 916.56 Mbit/s
95th percentile per-packet one-way delay: 88.893 ms
Loss rate: 0.18%
-- Flow 1:
Average throughput: 916.56 Mbit/s
95th percentile per-packet one-way delay: 88.893 ms
Loss rate: 0.18%

Run 4: Report of FillP-Sheep — Data Link



Run 5: Statistics of FillP-Sheep

Start at: 2019-02-20 21:45:36

End at: 2019-02-20 21:46:06

Local clock offset: -0.13 ms

Remote clock offset: 0.58 ms

Below is generated by plot.py at 2019-02-20 22:58:20

Datalink statistics

-- Total of 1 flow:

Average throughput: 948.12 Mbit/s

95th percentile per-packet one-way delay: 85.996 ms

Loss rate: 0.02%

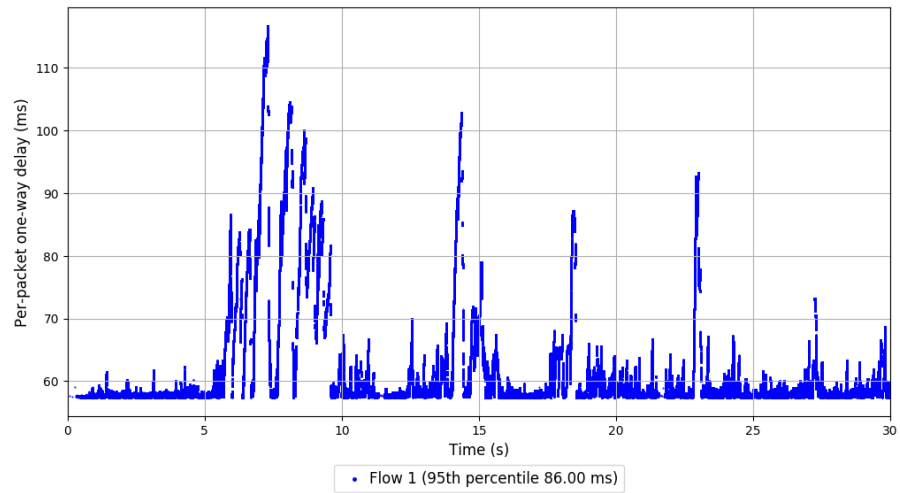
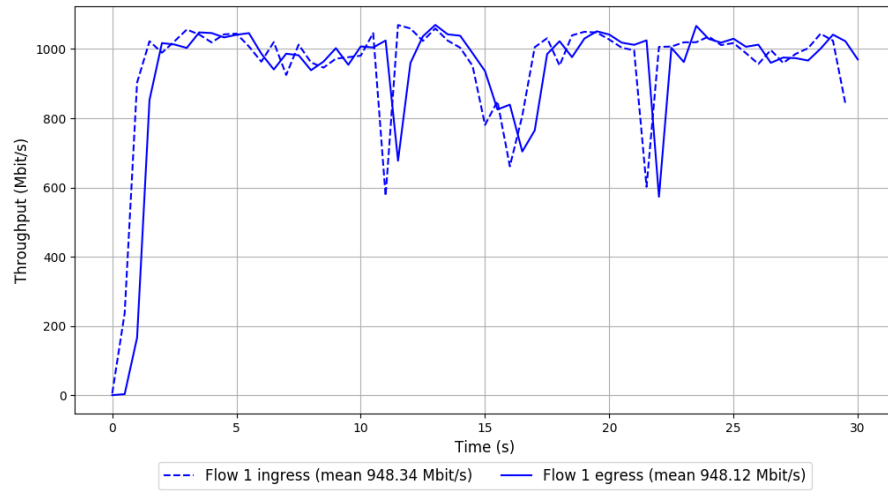
-- Flow 1:

Average throughput: 948.12 Mbit/s

95th percentile per-packet one-way delay: 85.996 ms

Loss rate: 0.02%

Run 5: Report of FillP-Sheep — Data Link



Run 1: Statistics of Indigo

Start at: 2019-02-20 19:24:26

End at: 2019-02-20 19:24:56

Local clock offset: -0.224 ms

Remote clock offset: 0.538 ms

Below is generated by plot.py at 2019-02-20 22:58:20

Datalink statistics

-- Total of 1 flow:

Average throughput: 221.96 Mbit/s

95th percentile per-packet one-way delay: 61.907 ms

Loss rate: 0.02%

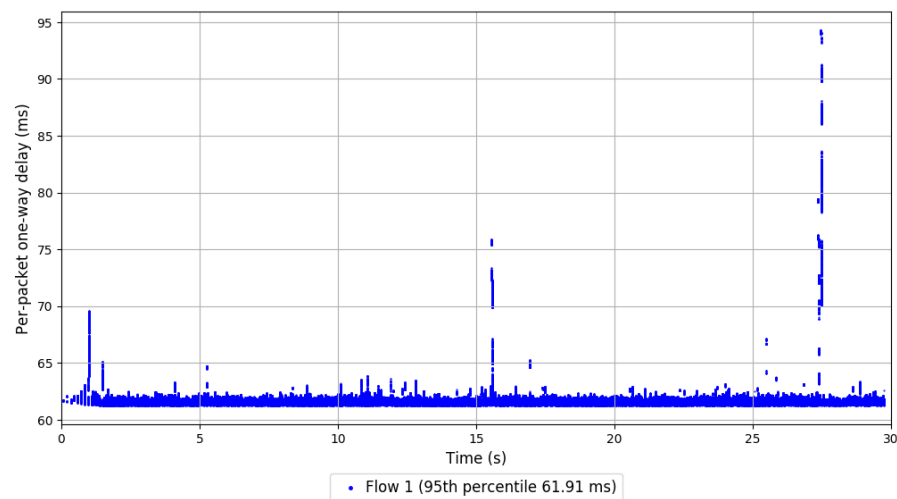
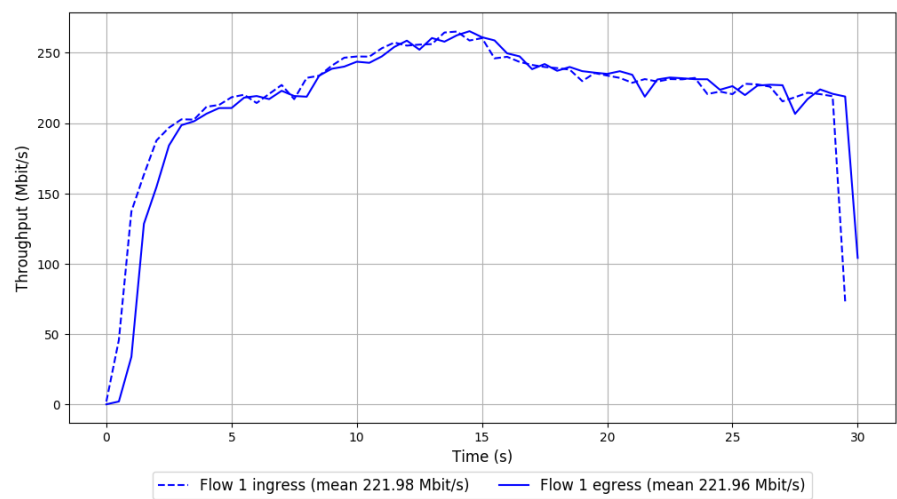
-- Flow 1:

Average throughput: 221.96 Mbit/s

95th percentile per-packet one-way delay: 61.907 ms

Loss rate: 0.02%

Run 1: Report of Indigo — Data Link



Run 2: Statistics of Indigo

Start at: 2019-02-20 20:00:11

End at: 2019-02-20 20:00:41

Local clock offset: -0.069 ms

Remote clock offset: 1.121 ms

Below is generated by plot.py at 2019-02-20 22:58:20

Datalink statistics

-- Total of 1 flow:

Average throughput: 217.60 Mbit/s

95th percentile per-packet one-way delay: 59.621 ms

Loss rate: 0.00%

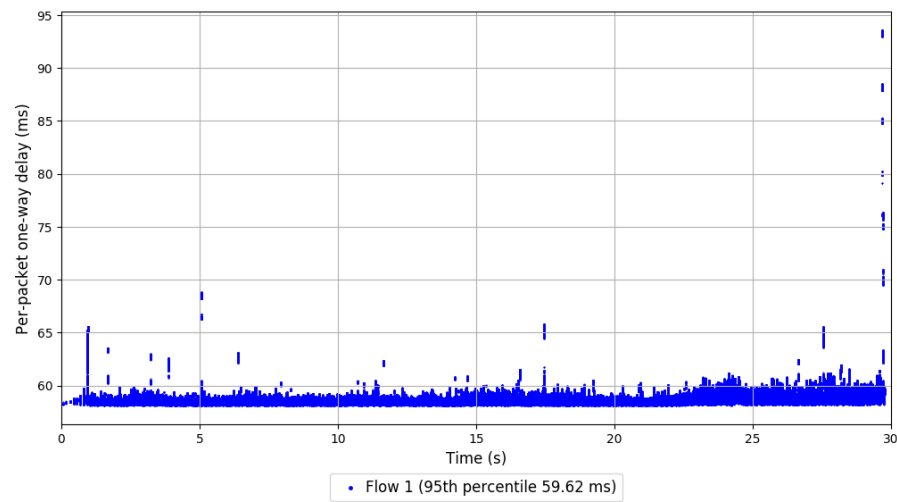
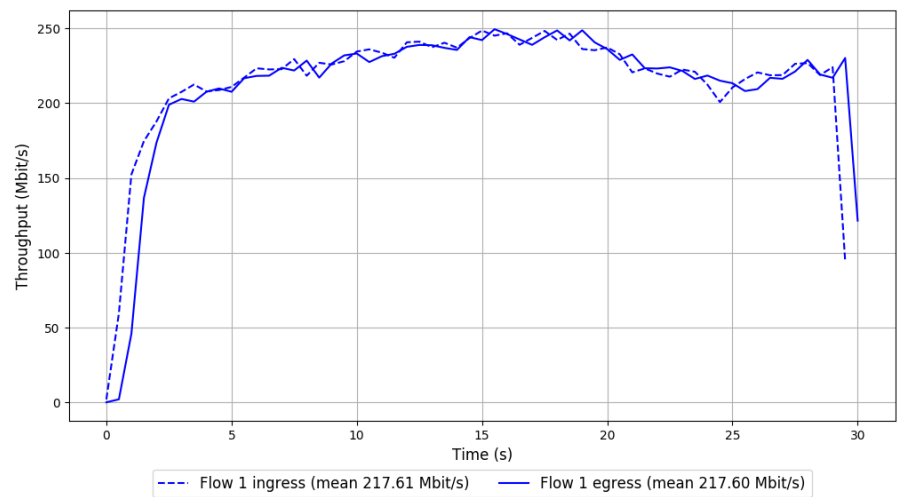
-- Flow 1:

Average throughput: 217.60 Mbit/s

95th percentile per-packet one-way delay: 59.621 ms

Loss rate: 0.00%

Run 2: Report of Indigo — Data Link

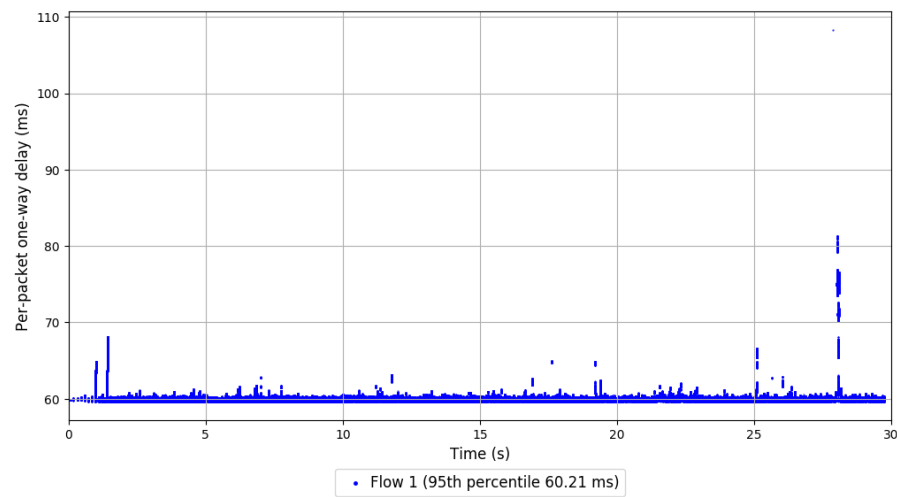
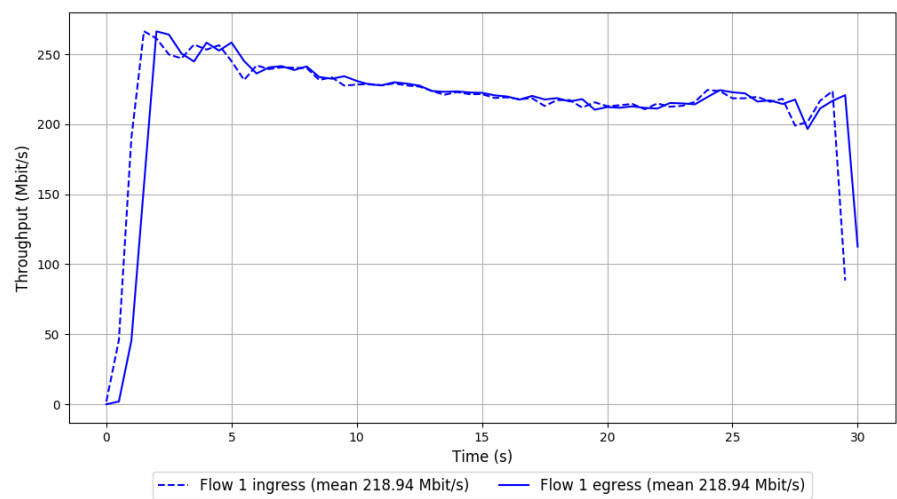


Run 3: Statistics of Indigo

Start at: 2019-02-20 20:33:54
End at: 2019-02-20 20:34:24
Local clock offset: -0.267 ms
Remote clock offset: -0.958 ms

Below is generated by plot.py at 2019-02-20 22:58:20
Datalink statistics
-- Total of 1 flow:
Average throughput: 218.94 Mbit/s
95th percentile per-packet one-way delay: 60.208 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 218.94 Mbit/s
95th percentile per-packet one-way delay: 60.208 ms
Loss rate: 0.00%

Run 3: Report of Indigo — Data Link

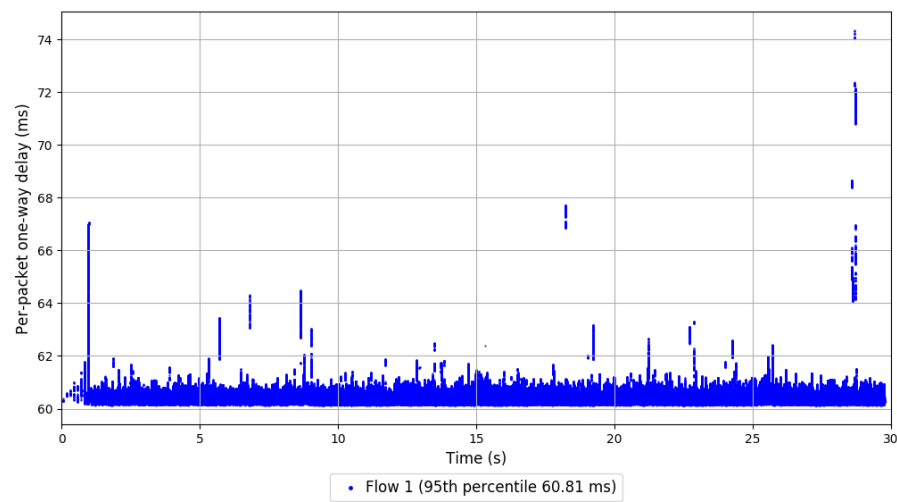
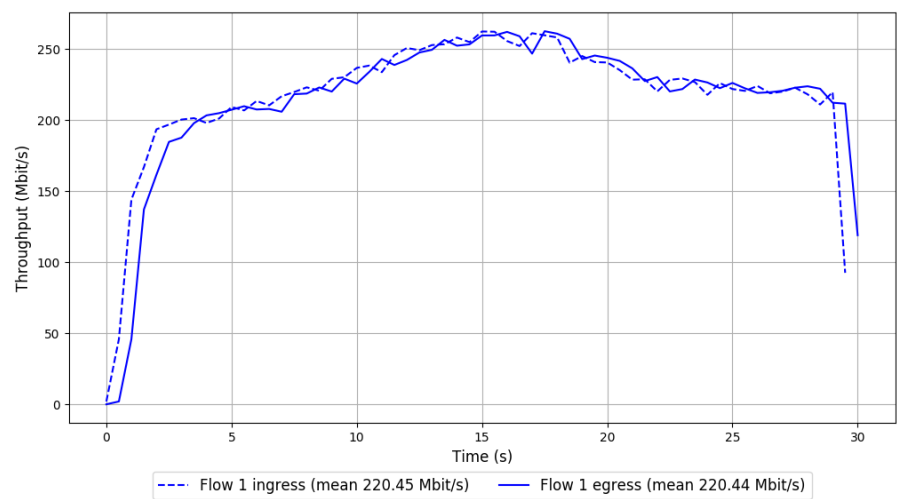


Run 4: Statistics of Indigo

Start at: 2019-02-20 21:08:36
End at: 2019-02-20 21:09:06
Local clock offset: -0.257 ms
Remote clock offset: -0.007 ms

Below is generated by plot.py at 2019-02-20 22:58:20
Datalink statistics
-- Total of 1 flow:
Average throughput: 220.44 Mbit/s
95th percentile per-packet one-way delay: 60.811 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 220.44 Mbit/s
95th percentile per-packet one-way delay: 60.811 ms
Loss rate: 0.01%

Run 4: Report of Indigo — Data Link

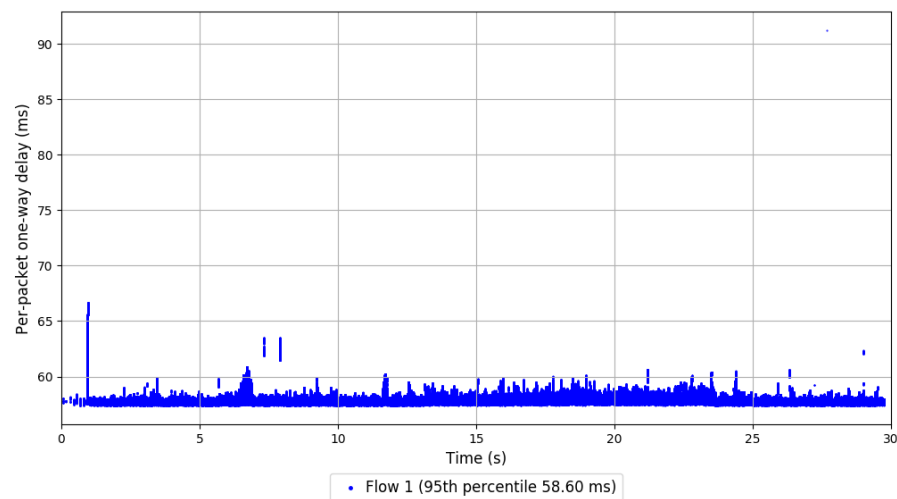
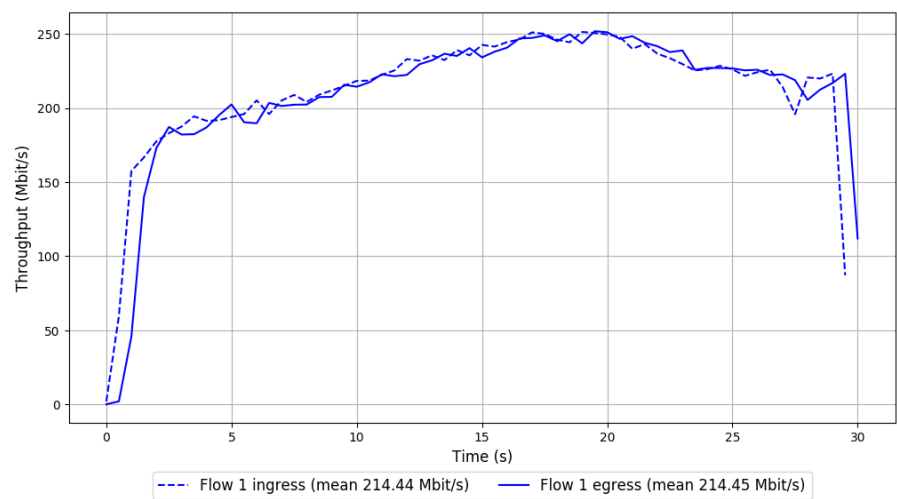


Run 5: Statistics of Indigo

Start at: 2019-02-20 21:44:01
End at: 2019-02-20 21:44:31
Local clock offset: -0.439 ms
Remote clock offset: -0.022 ms

Below is generated by plot.py at 2019-02-20 22:58:20
Datalink statistics
-- Total of 1 flow:
Average throughput: 214.45 Mbit/s
95th percentile per-packet one-way delay: 58.605 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 214.45 Mbit/s
95th percentile per-packet one-way delay: 58.605 ms
Loss rate: 0.00%

Run 5: Report of Indigo — Data Link

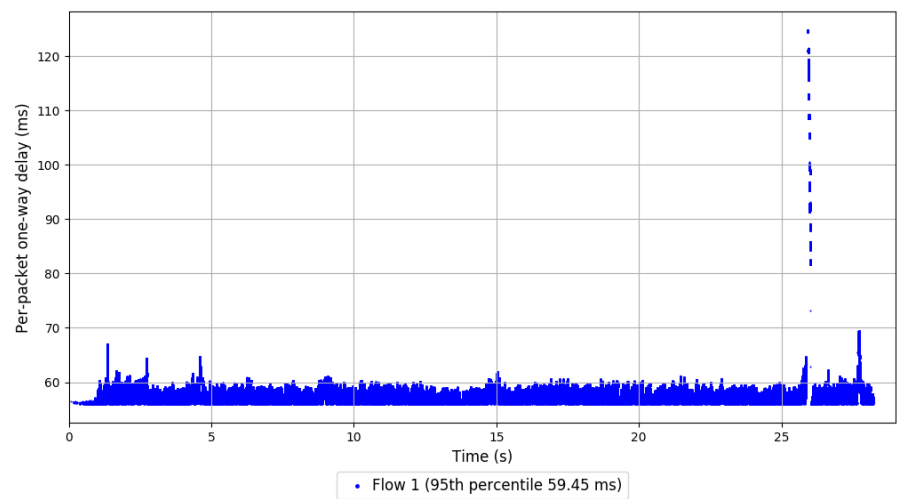
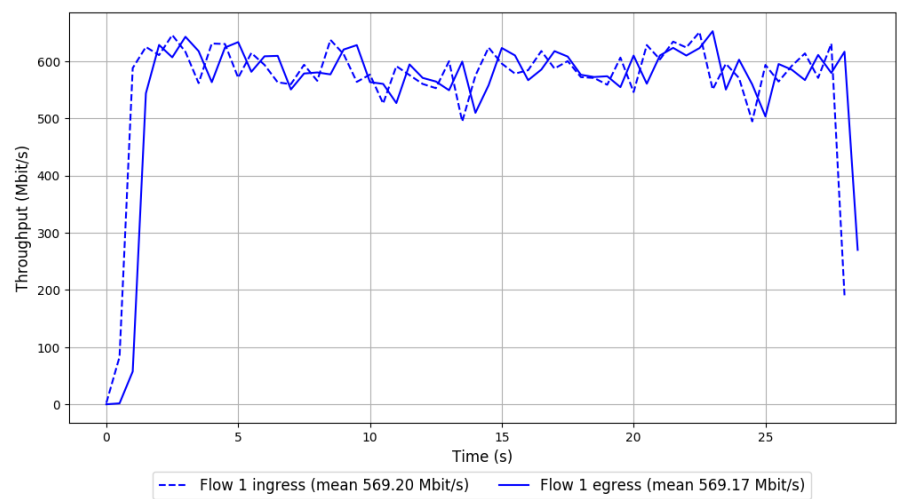


Run 1: Statistics of Indigo-MusesC3

Start at: 2019-02-20 18:57:49
End at: 2019-02-20 18:58:19
Local clock offset: 0.195 ms
Remote clock offset: -0.785 ms

Below is generated by plot.py at 2019-02-20 22:58:20
Datalink statistics
-- Total of 1 flow:
Average throughput: 569.17 Mbit/s
95th percentile per-packet one-way delay: 59.446 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 569.17 Mbit/s
95th percentile per-packet one-way delay: 59.446 ms
Loss rate: 0.01%

Run 1: Report of Indigo-MusesC3 — Data Link



Run 2: Statistics of Indigo-MusesC3

Start at: 2019-02-20 19:33:53

End at: 2019-02-20 19:34:23

Local clock offset: -0.053 ms

Remote clock offset: 0.527 ms

Below is generated by plot.py at 2019-02-20 22:58:20

Datalink statistics

-- Total of 1 flow:

Average throughput: 541.75 Mbit/s

95th percentile per-packet one-way delay: 61.068 ms

Loss rate: 0.01%

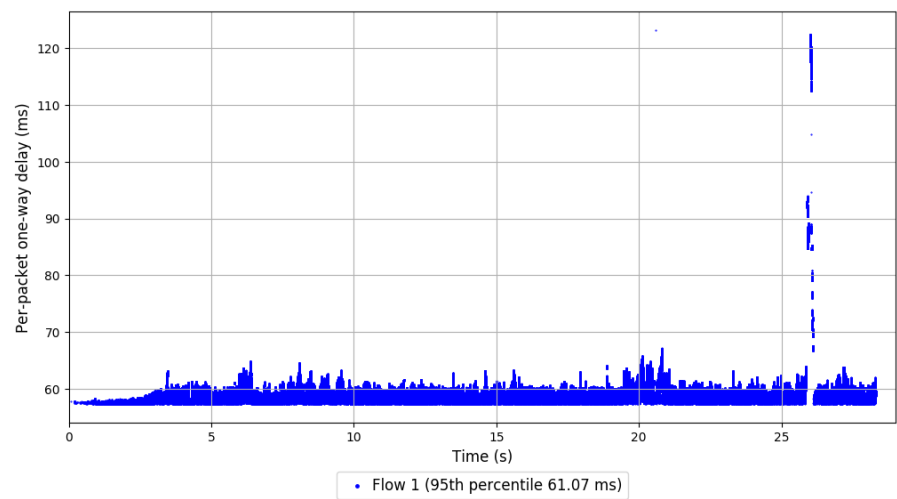
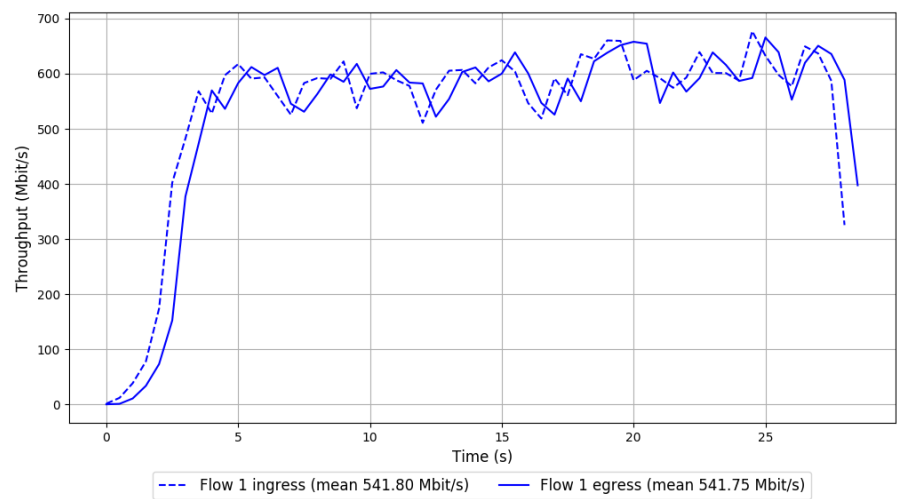
-- Flow 1:

Average throughput: 541.75 Mbit/s

95th percentile per-packet one-way delay: 61.068 ms

Loss rate: 0.01%

Run 2: Report of Indigo-MusesC3 — Data Link

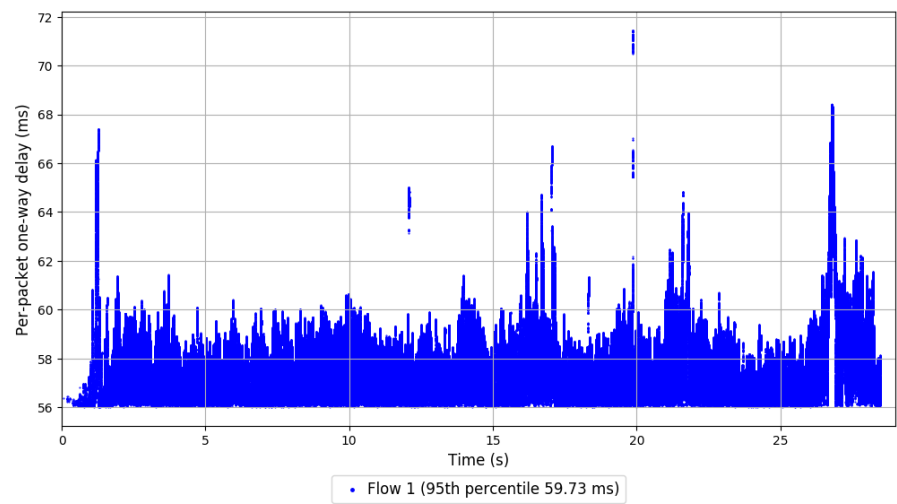
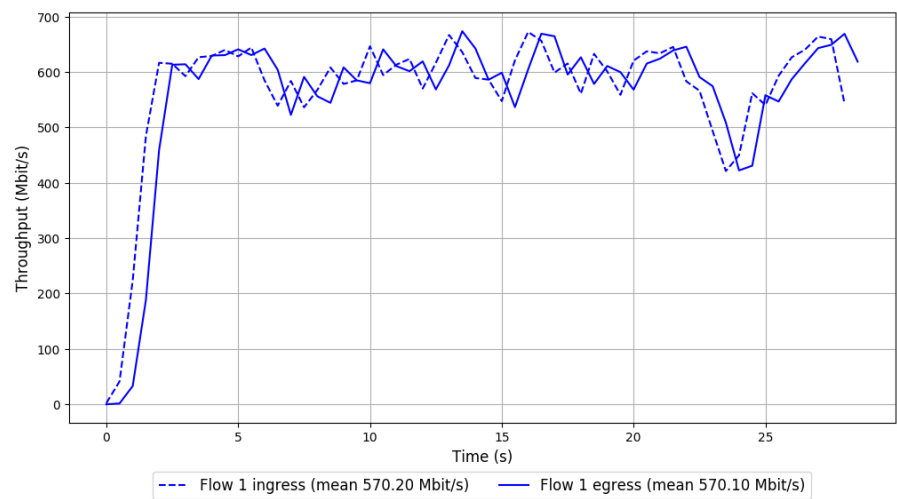


Run 3: Statistics of Indigo-MusesC3

Start at: 2019-02-20 20:09:28
End at: 2019-02-20 20:09:58
Local clock offset: -0.241 ms
Remote clock offset: -1.072 ms

Below is generated by plot.py at 2019-02-20 23:00:45
Datalink statistics
-- Total of 1 flow:
Average throughput: 570.10 Mbit/s
95th percentile per-packet one-way delay: 59.735 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 570.10 Mbit/s
95th percentile per-packet one-way delay: 59.735 ms
Loss rate: 0.02%

Run 3: Report of Indigo-MusesC3 — Data Link

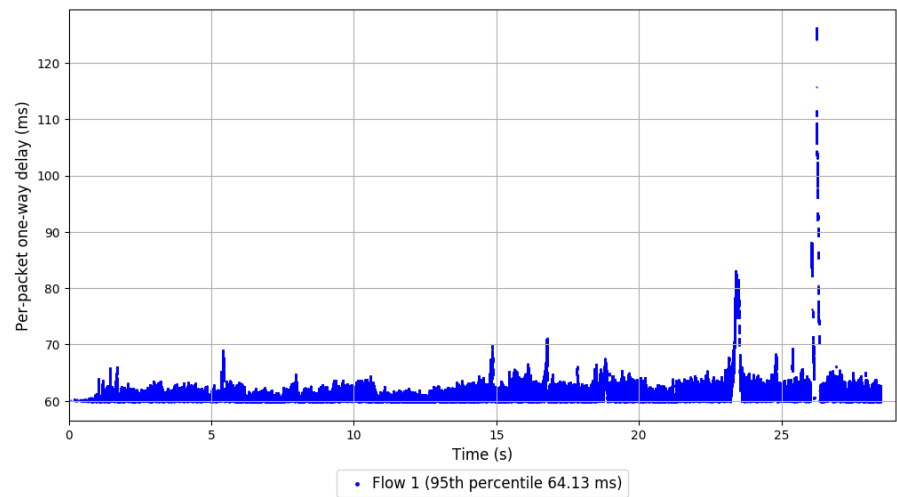
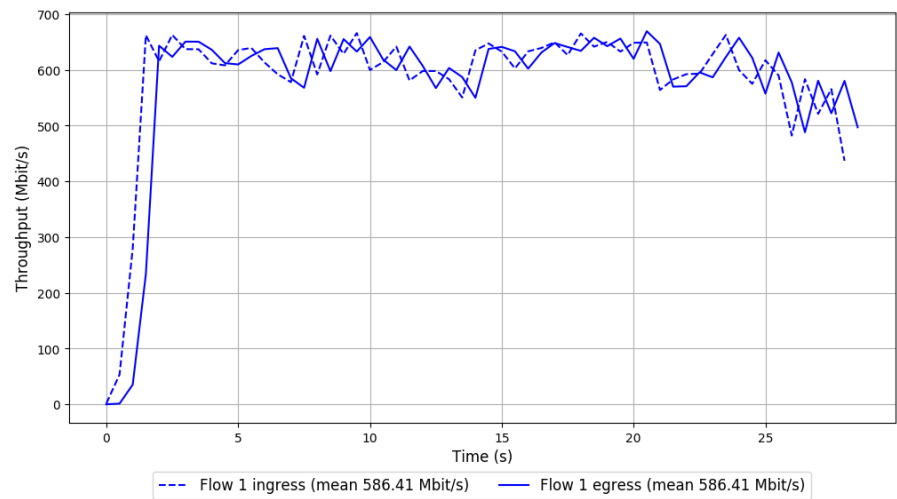


Run 4: Statistics of Indigo-MusesC3

Start at: 2019-02-20 20:43:23
End at: 2019-02-20 20:43:53
Local clock offset: -0.054 ms
Remote clock offset: -0.862 ms

Below is generated by plot.py at 2019-02-20 23:02:26
Datalink statistics
-- Total of 1 flow:
Average throughput: 586.41 Mbit/s
95th percentile per-packet one-way delay: 64.133 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 586.41 Mbit/s
95th percentile per-packet one-way delay: 64.133 ms
Loss rate: 0.01%

Run 4: Report of Indigo-MusesC3 — Data Link



Run 5: Statistics of Indigo-MusesC3

Start at: 2019-02-20 21:18:14

End at: 2019-02-20 21:18:44

Local clock offset: -0.308 ms

Remote clock offset: 0.149 ms

Below is generated by plot.py at 2019-02-20 23:03:28

Datalink statistics

-- Total of 1 flow:

Average throughput: 577.96 Mbit/s

95th percentile per-packet one-way delay: 67.616 ms

Loss rate: 0.00%

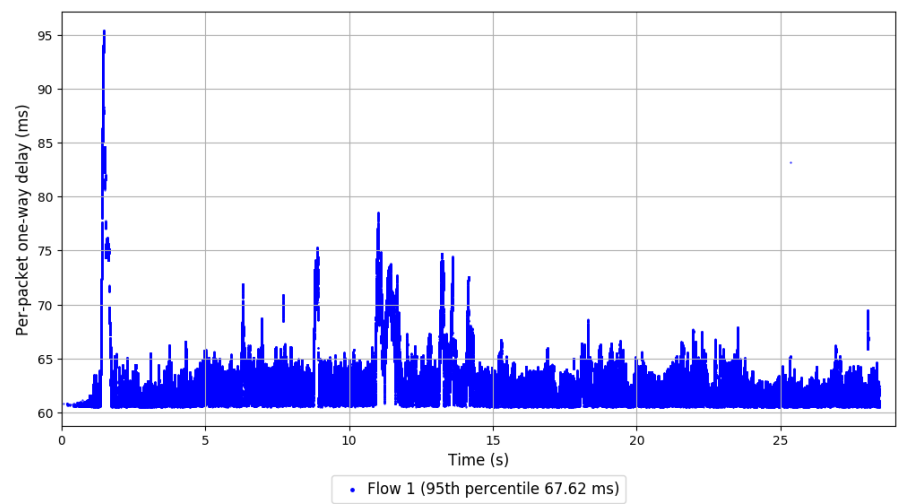
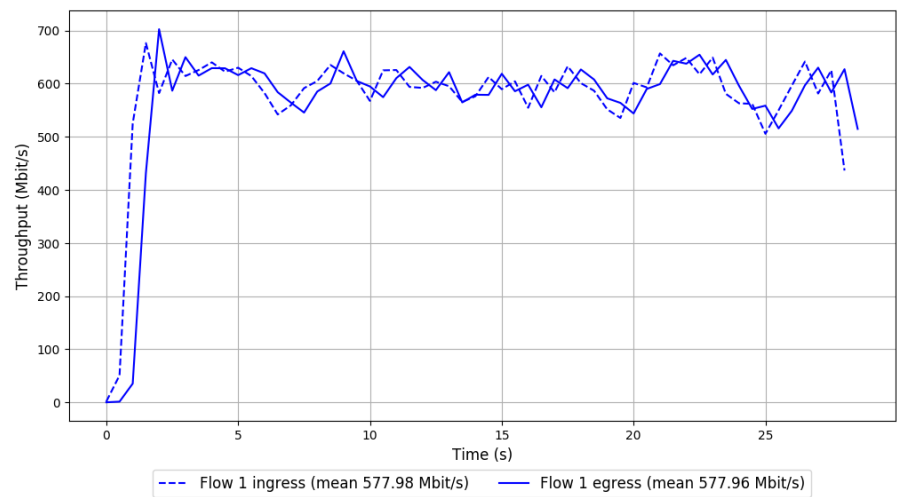
-- Flow 1:

Average throughput: 577.96 Mbit/s

95th percentile per-packet one-way delay: 67.616 ms

Loss rate: 0.00%

Run 5: Report of Indigo-MusesC3 — Data Link



Run 1: Statistics of Indigo-MusesC5

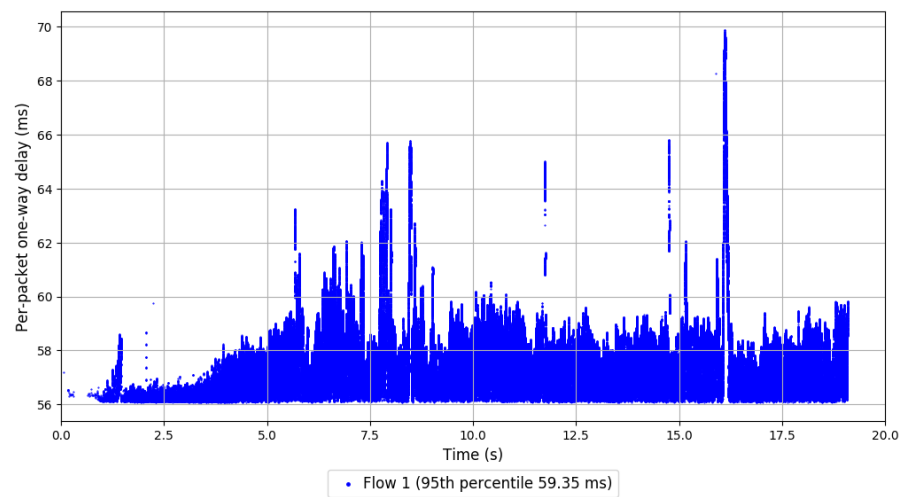
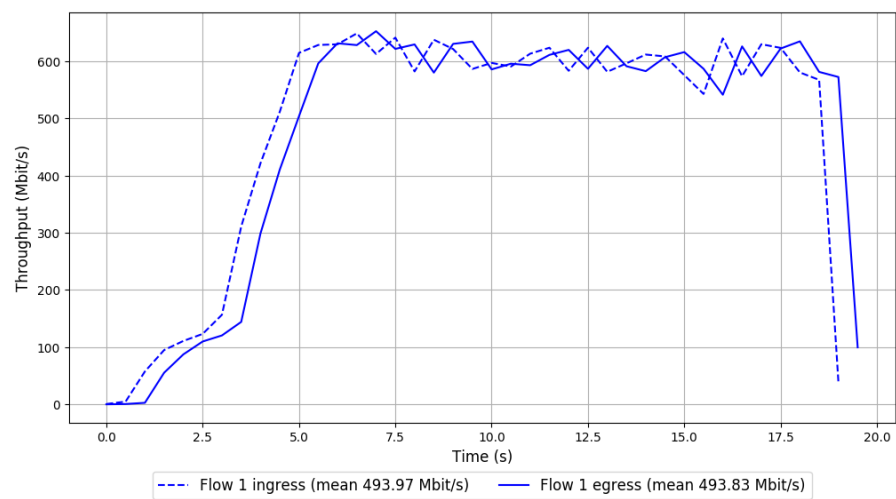
Start at: 2019-02-20 18:53:55

End at: 2019-02-20 18:54:25

Local clock offset: -0.19 ms

Remote clock offset: -1.421 ms

Run 1: Report of Indigo-MusesC5 — Data Link

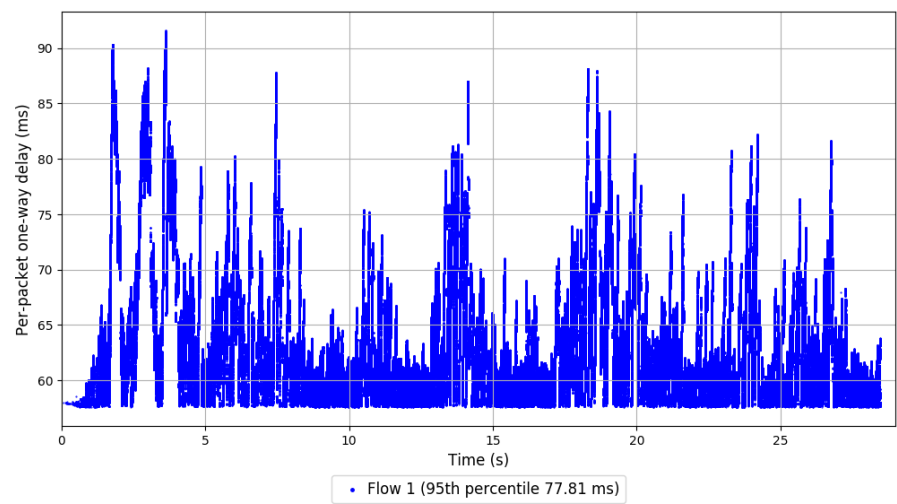
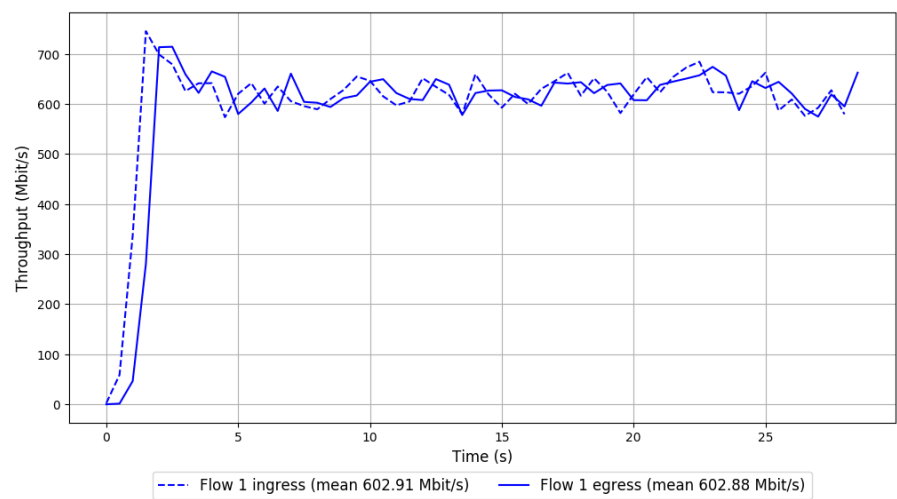


Run 2: Statistics of Indigo-MusesC5

Start at: 2019-02-20 19:29:28
End at: 2019-02-20 19:29:58
Local clock offset: -0.471 ms
Remote clock offset: -0.007 ms

Below is generated by plot.py at 2019-02-20 23:04:51
Datalink statistics
-- Total of 1 flow:
Average throughput: 602.88 Mbit/s
95th percentile per-packet one-way delay: 77.815 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 602.88 Mbit/s
95th percentile per-packet one-way delay: 77.815 ms
Loss rate: 0.01%

Run 2: Report of Indigo-MusesC5 — Data Link

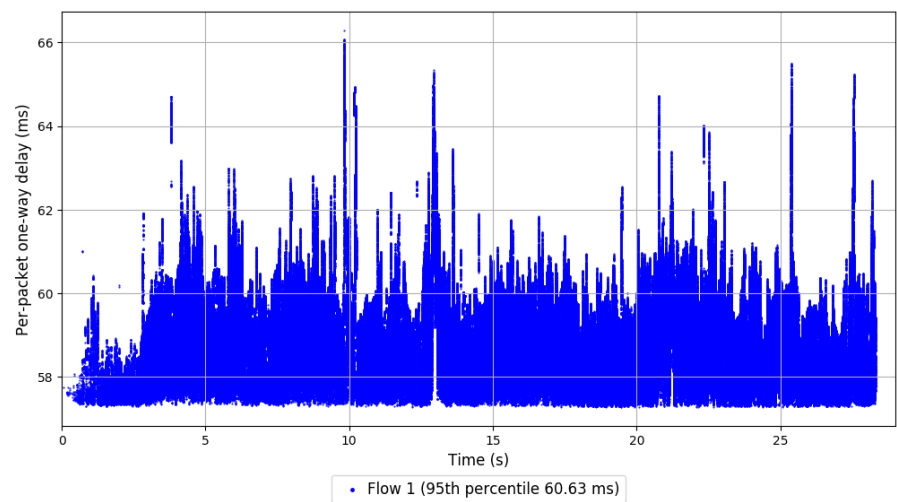
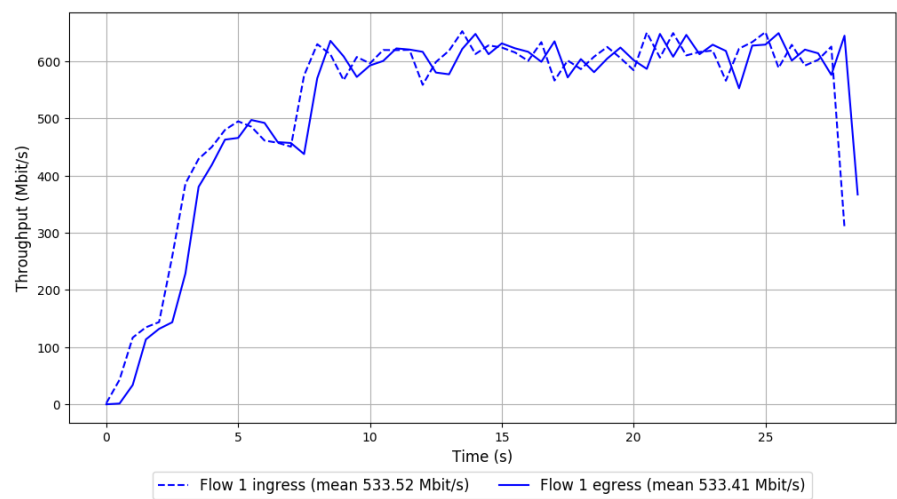


Run 3: Statistics of Indigo-MusesC5

Start at: 2019-02-20 20:04:56
End at: 2019-02-20 20:05:26
Local clock offset: -0.084 ms
Remote clock offset: -0.207 ms

Below is generated by plot.py at 2019-02-20 23:05:29
Datalink statistics
-- Total of 1 flow:
Average throughput: 533.41 Mbit/s
95th percentile per-packet one-way delay: 60.632 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 533.41 Mbit/s
95th percentile per-packet one-way delay: 60.632 ms
Loss rate: 0.02%

Run 3: Report of Indigo-MusesC5 — Data Link



Run 4: Statistics of Indigo-MusesC5

Start at: 2019-02-20 20:38:47

End at: 2019-02-20 20:39:17

Local clock offset: 0.015 ms

Remote clock offset: -1.66 ms

Below is generated by plot.py at 2019-02-20 23:07:37

Datalink statistics

-- Total of 1 flow:

Average throughput: 618.49 Mbit/s

95th percentile per-packet one-way delay: 73.143 ms

Loss rate: 0.02%

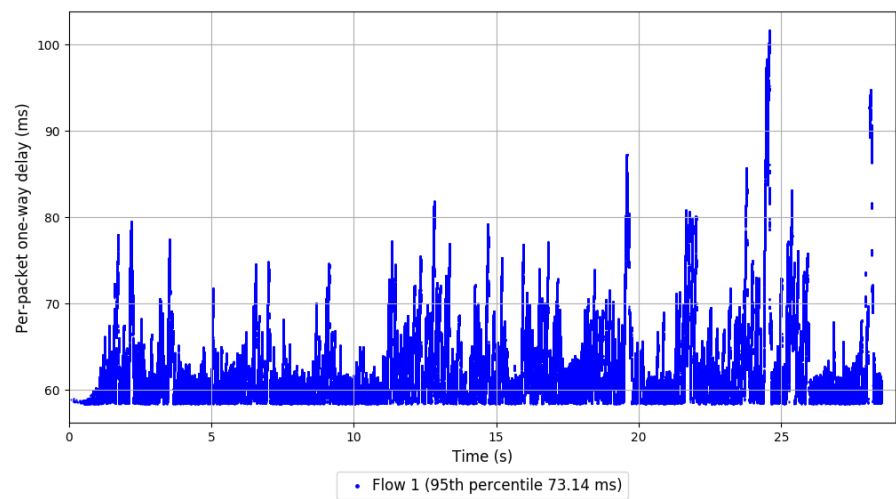
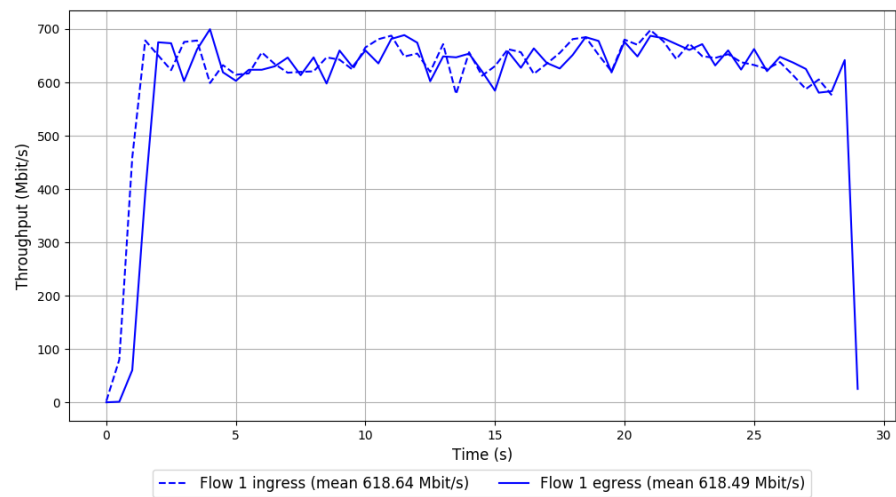
-- Flow 1:

Average throughput: 618.49 Mbit/s

95th percentile per-packet one-way delay: 73.143 ms

Loss rate: 0.02%

Run 4: Report of Indigo-MusesC5 — Data Link



Run 5: Statistics of Indigo-MusesC5

Start at: 2019-02-20 21:13:37

End at: 2019-02-20 21:14:07

Local clock offset: 0.02 ms

Remote clock offset: -0.732 ms

Below is generated by plot.py at 2019-02-20 23:10:21

Datalink statistics

-- Total of 1 flow:

Average throughput: 592.50 Mbit/s

95th percentile per-packet one-way delay: 71.504 ms

Loss rate: 0.00%

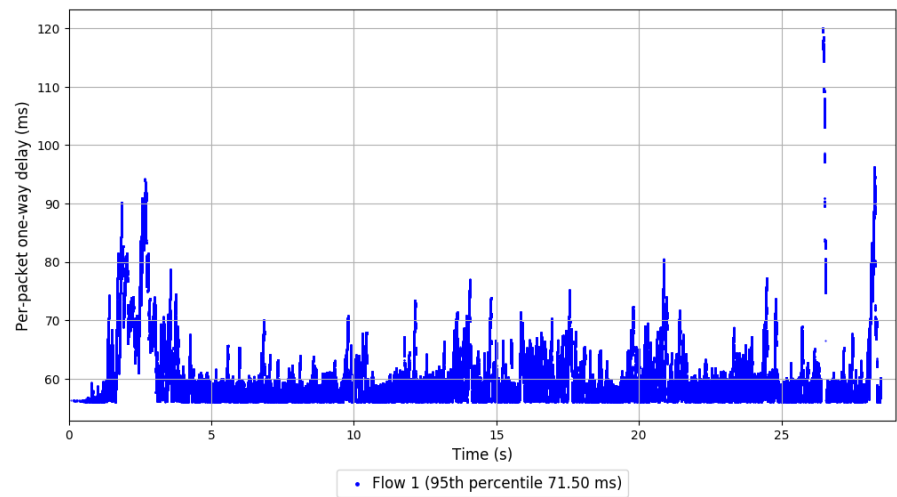
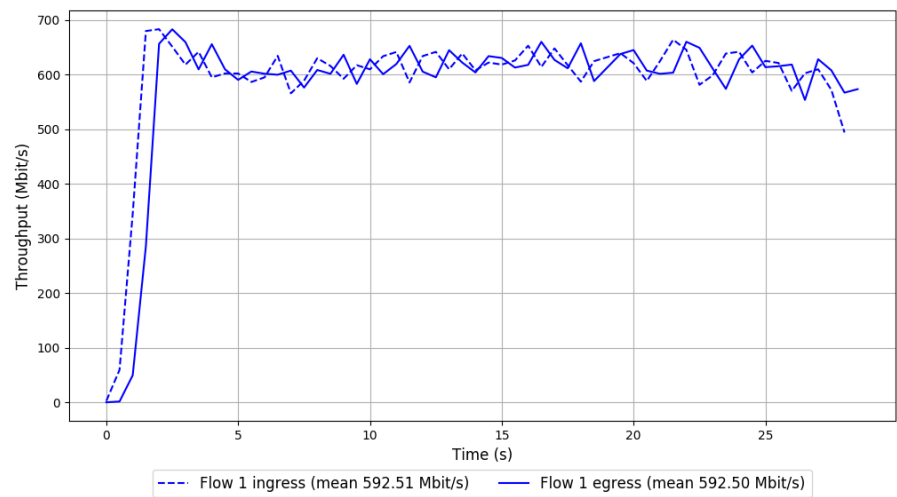
-- Flow 1:

Average throughput: 592.50 Mbit/s

95th percentile per-packet one-way delay: 71.504 ms

Loss rate: 0.00%

Run 5: Report of Indigo-MusesC5 — Data Link

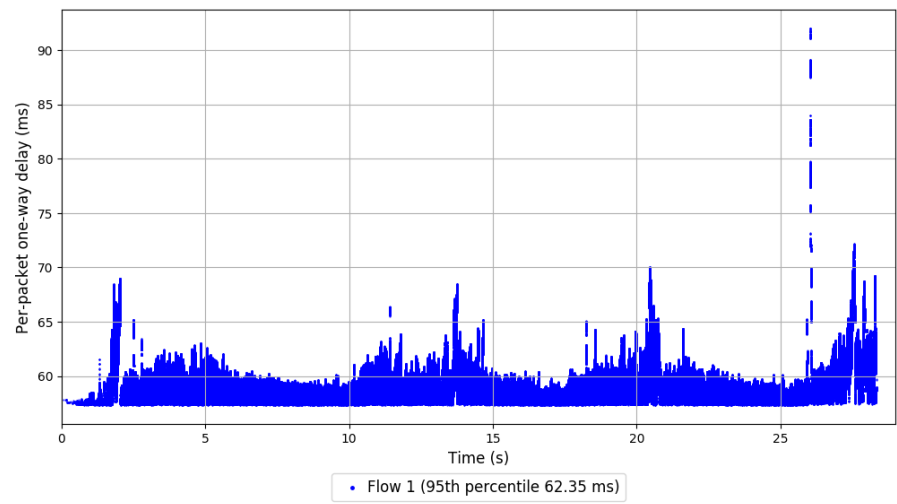
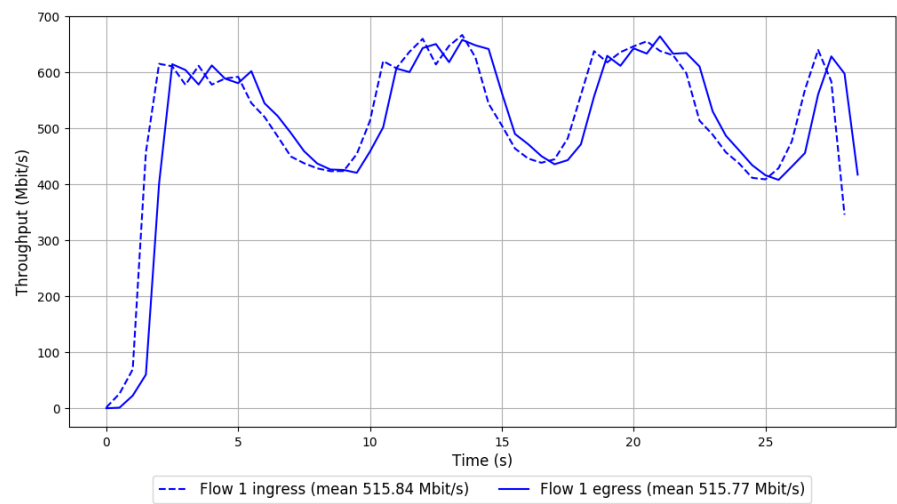


```
Run 1: Statistics of Indigo-MusesD

Start at: 2019-02-20 19:11:27
End at: 2019-02-20 19:11:57
Local clock offset: -0.133 ms
Remote clock offset: 0.101 ms

# Below is generated by plot.py at 2019-02-20 23:10:21
# Datalink statistics
-- Total of 1 flow:
Average throughput: 515.77 Mbit/s
95th percentile per-packet one-way delay: 62.352 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 515.77 Mbit/s
95th percentile per-packet one-way delay: 62.352 ms
Loss rate: 0.01%
```

Run 1: Report of Indigo-MusesD — Data Link



Run 2: Statistics of Indigo-MusesD

Start at: 2019-02-20 19:47:42

End at: 2019-02-20 19:48:12

Local clock offset: 0.088 ms

Remote clock offset: -0.939 ms

Below is generated by plot.py at 2019-02-20 23:10:48

Datalink statistics

-- Total of 1 flow:

Average throughput: 512.33 Mbit/s

95th percentile per-packet one-way delay: 62.554 ms

Loss rate: 0.00%

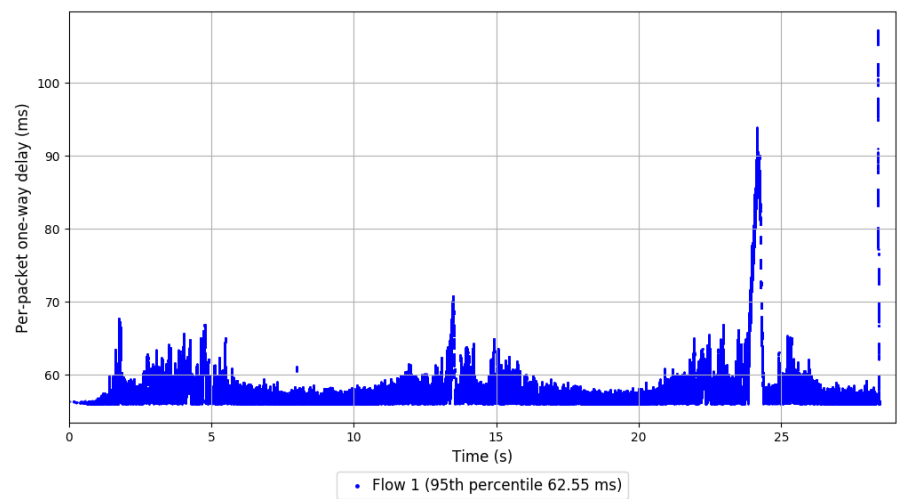
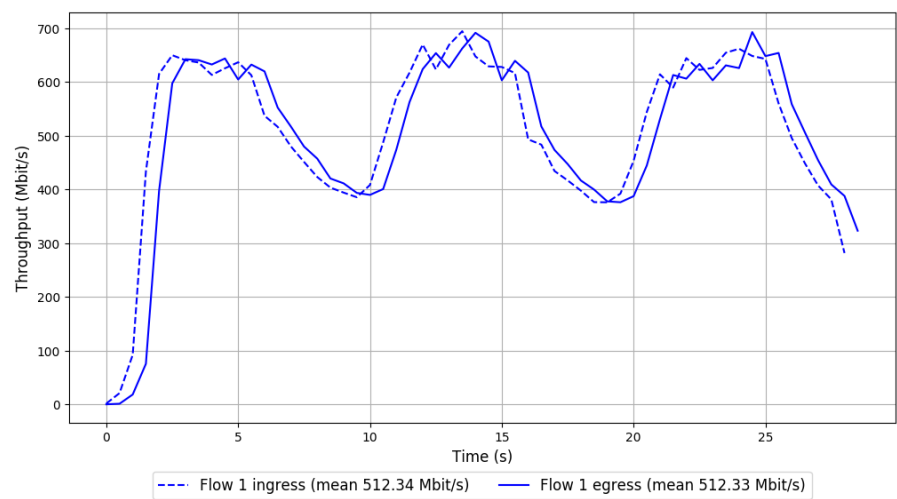
-- Flow 1:

Average throughput: 512.33 Mbit/s

95th percentile per-packet one-way delay: 62.554 ms

Loss rate: 0.00%

Run 2: Report of Indigo-MusesD — Data Link



Run 3: Statistics of Indigo-MusesD

Start at: 2019-02-20 20:21:55

End at: 2019-02-20 20:22:25

Local clock offset: -0.174 ms

Remote clock offset: 0.343 ms

Below is generated by plot.py at 2019-02-20 23:12:18

Datalink statistics

-- Total of 1 flow:

Average throughput: 500.74 Mbit/s

95th percentile per-packet one-way delay: 85.055 ms

Loss rate: 0.01%

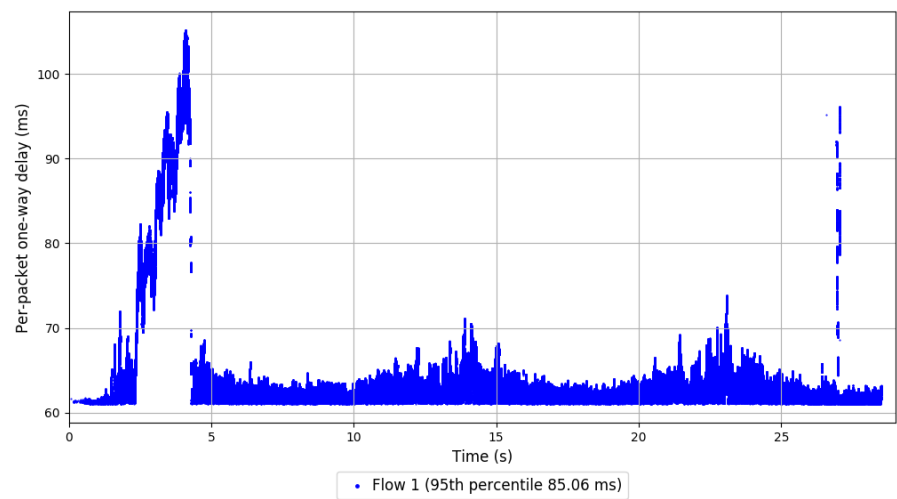
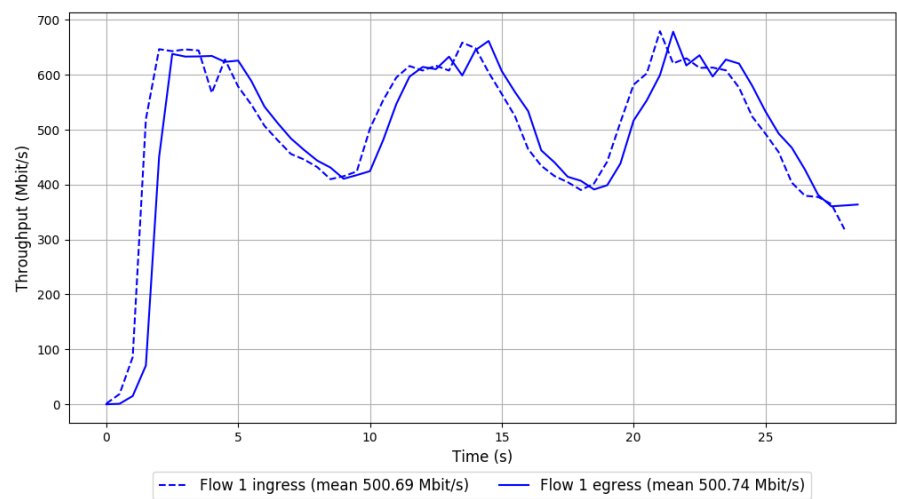
-- Flow 1:

Average throughput: 500.74 Mbit/s

95th percentile per-packet one-way delay: 85.055 ms

Loss rate: 0.01%

Run 3: Report of Indigo-MusesD — Data Link

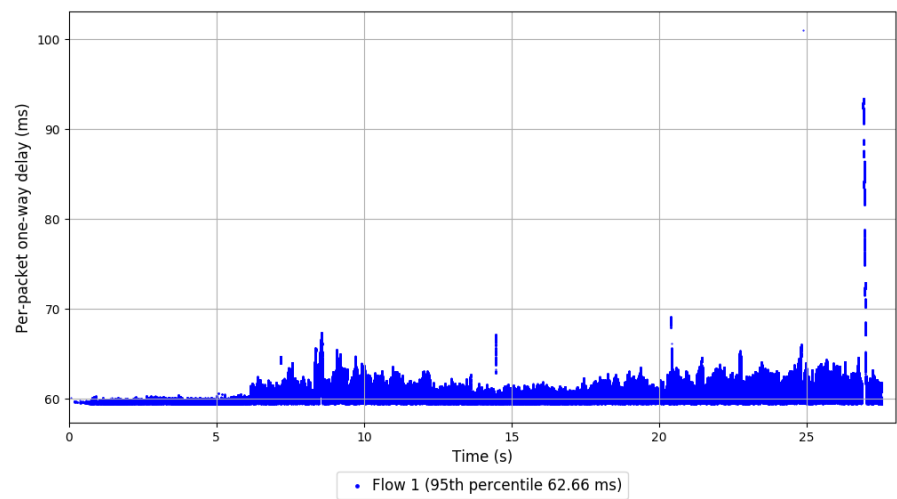
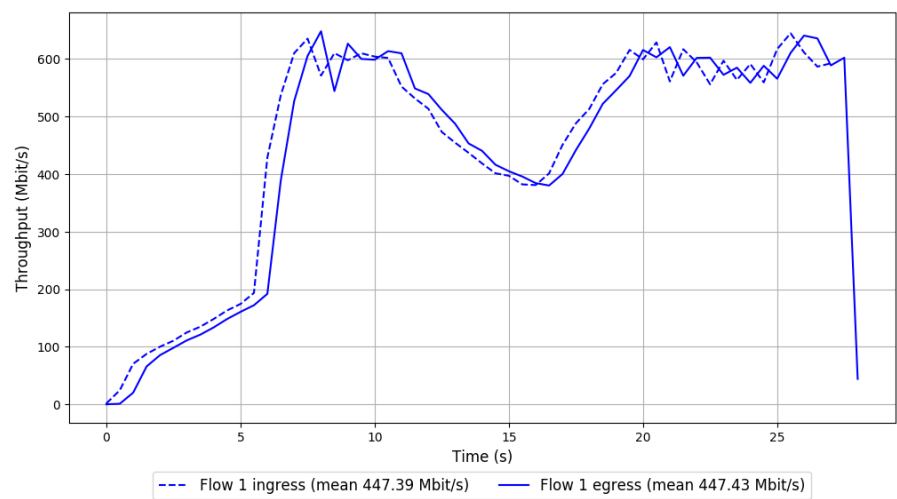


Run 4: Statistics of Indigo-MusesD

Start at: 2019-02-20 20:55:56
End at: 2019-02-20 20:56:26
Local clock offset: -0.228 ms
Remote clock offset: -1.015 ms

Below is generated by plot.py at 2019-02-20 23:12:18
Datalink statistics
-- Total of 1 flow:
Average throughput: 447.43 Mbit/s
95th percentile per-packet one-way delay: 62.659 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 447.43 Mbit/s
95th percentile per-packet one-way delay: 62.659 ms
Loss rate: 0.01%

Run 4: Report of Indigo-MusesD — Data Link



Run 5: Statistics of Indigo-MusesD

Start at: 2019-02-20 21:31:32

End at: 2019-02-20 21:32:02

Local clock offset: -0.765 ms

Remote clock offset: -0.855 ms

Below is generated by plot.py at 2019-02-20 23:14:27

Datalink statistics

-- Total of 1 flow:

Average throughput: 497.04 Mbit/s

95th percentile per-packet one-way delay: 62.486 ms

Loss rate: 0.01%

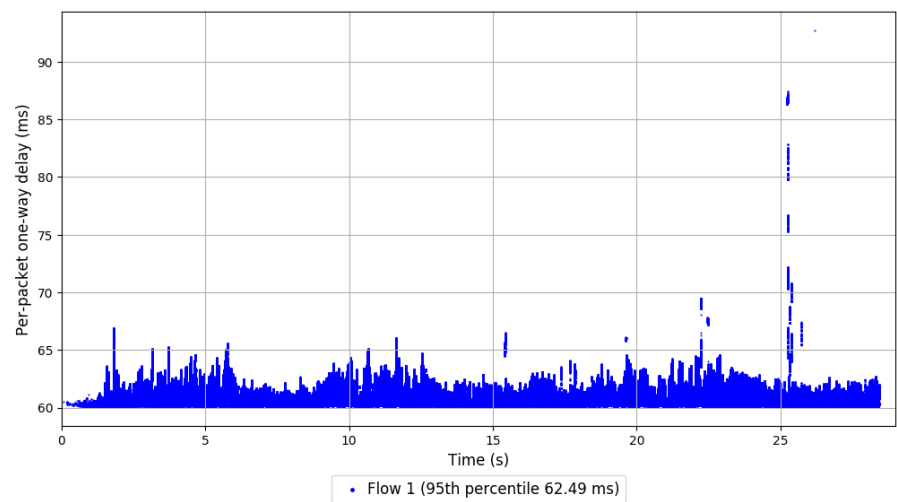
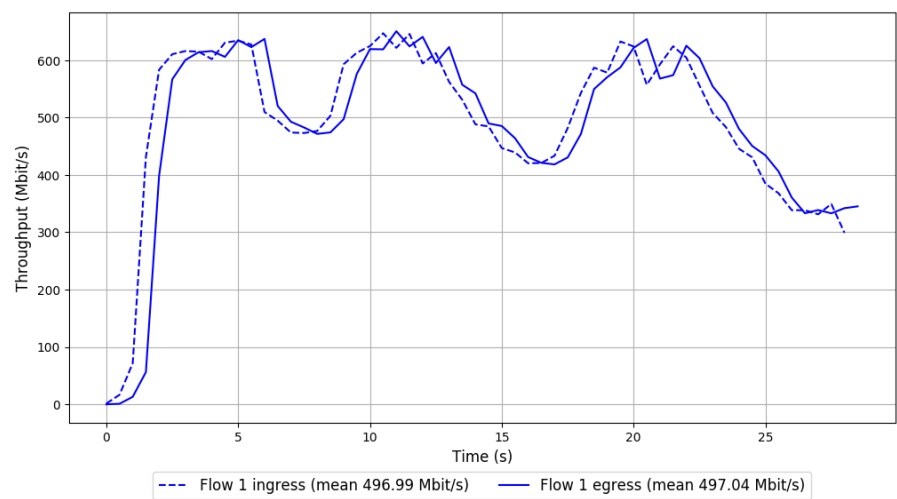
-- Flow 1:

Average throughput: 497.04 Mbit/s

95th percentile per-packet one-way delay: 62.486 ms

Loss rate: 0.01%

Run 5: Report of Indigo-MusesD — Data Link



Run 1: Statistics of Indigo-MusesT

Start at: 2019-02-20 19:15:15

End at: 2019-02-20 19:15:45

Local clock offset: -0.03 ms

Remote clock offset: -0.265 ms

Below is generated by plot.py at 2019-02-20 23:17:20

Datalink statistics

-- Total of 1 flow:

Average throughput: 604.39 Mbit/s

95th percentile per-packet one-way delay: 87.923 ms

Loss rate: 0.00%

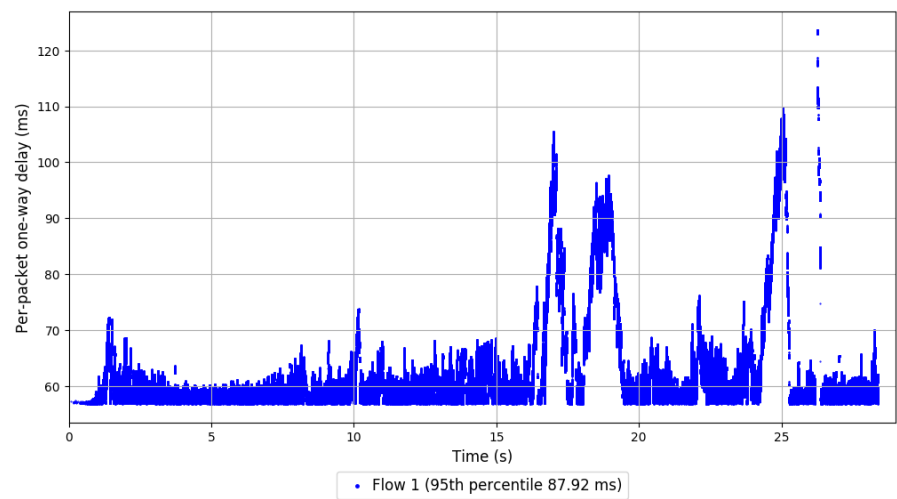
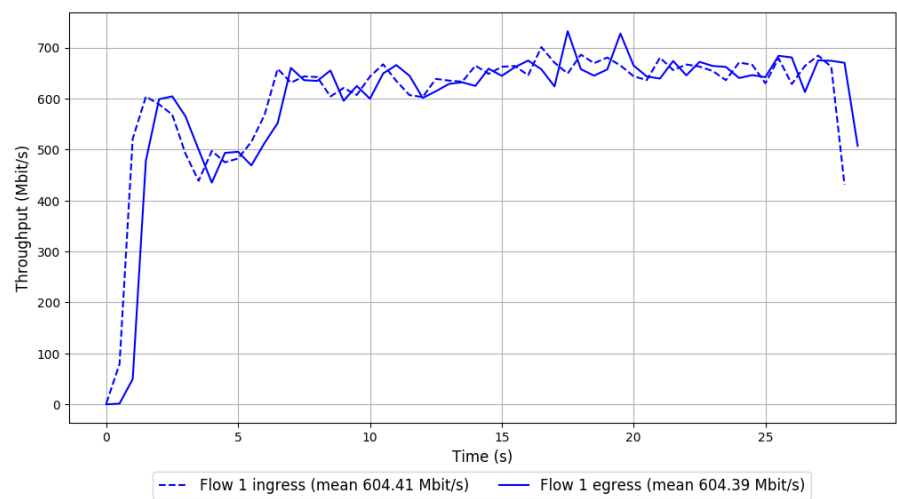
-- Flow 1:

Average throughput: 604.39 Mbit/s

95th percentile per-packet one-way delay: 87.923 ms

Loss rate: 0.00%

Run 1: Report of Indigo-MusesT — Data Link

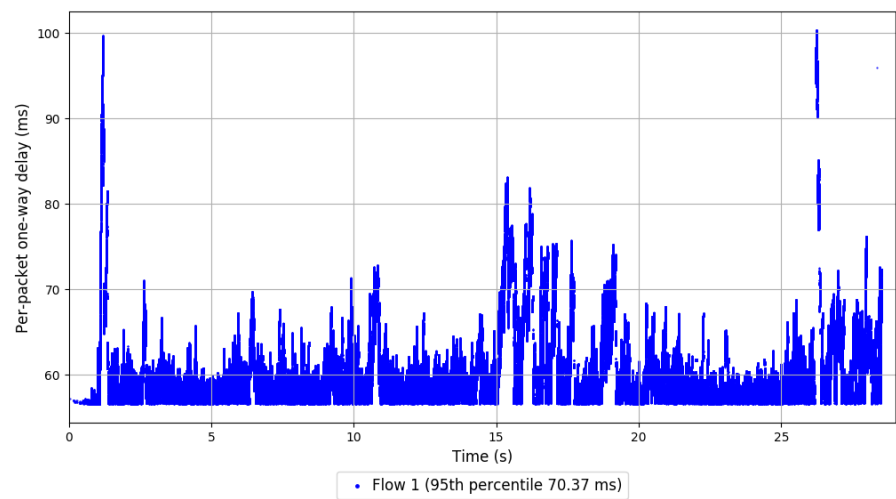
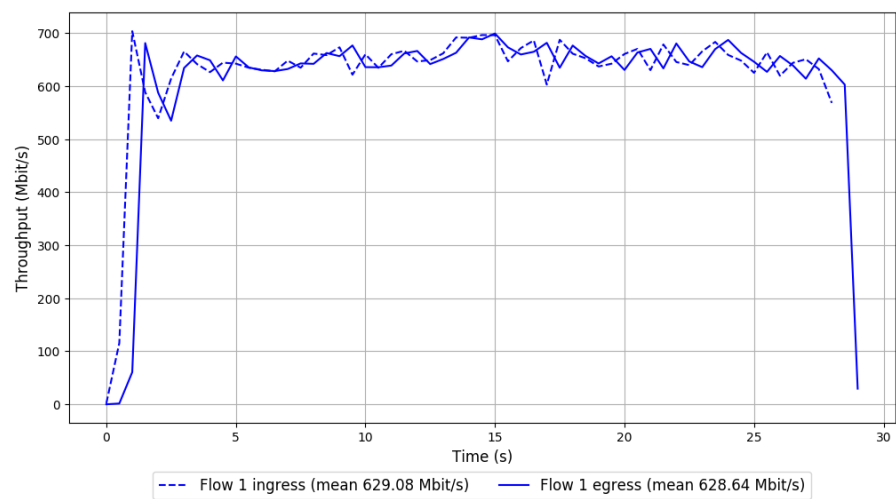


Run 2: Statistics of Indigo-MusesT

Start at: 2019-02-20 19:51:17
End at: 2019-02-20 19:51:47
Local clock offset: 0.272 ms
Remote clock offset: -0.225 ms

Below is generated by plot.py at 2019-02-20 23:19:54
Datalink statistics
-- Total of 1 flow:
Average throughput: 628.64 Mbit/s
95th percentile per-packet one-way delay: 70.372 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 628.64 Mbit/s
95th percentile per-packet one-way delay: 70.372 ms
Loss rate: 0.07%

Run 2: Report of Indigo-MusesT — Data Link



Run 3: Statistics of Indigo-MusesT

Start at: 2019-02-20 20:25:24

End at: 2019-02-20 20:25:54

Local clock offset: 0.257 ms

Remote clock offset: -0.338 ms

Below is generated by plot.py at 2019-02-20 23:20:10

Datalink statistics

-- Total of 1 flow:

Average throughput: 582.79 Mbit/s

95th percentile per-packet one-way delay: 72.247 ms

Loss rate: 0.05%

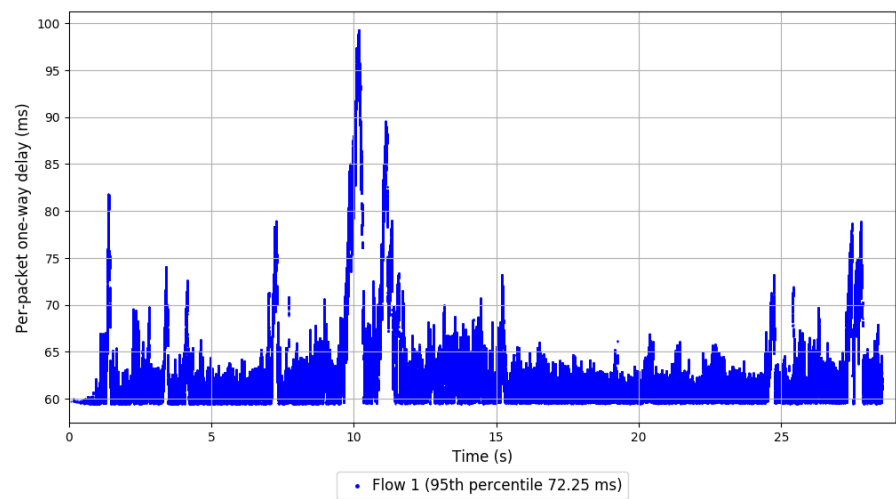
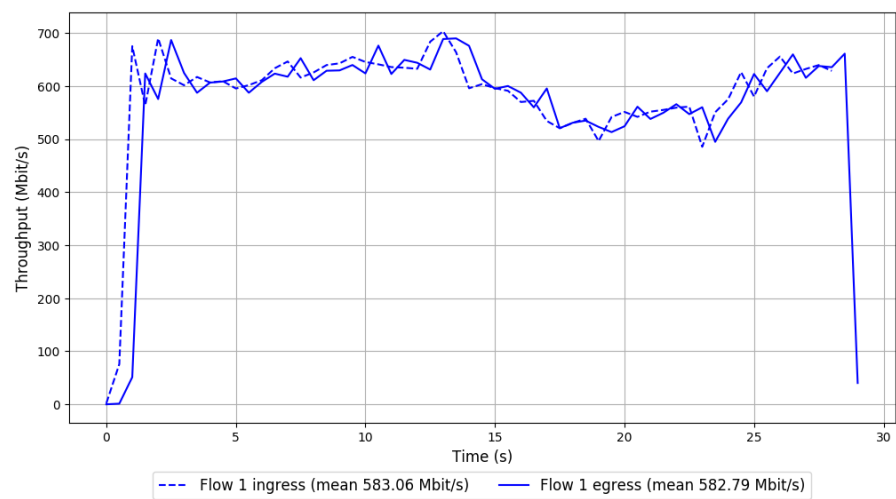
-- Flow 1:

Average throughput: 582.79 Mbit/s

95th percentile per-packet one-way delay: 72.247 ms

Loss rate: 0.05%

Run 3: Report of Indigo-MusesT — Data Link



Run 4: Statistics of Indigo-MusesT

Start at: 2019-02-20 20:59:24

End at: 2019-02-20 20:59:54

Local clock offset: -0.253 ms

Remote clock offset: -0.12 ms

Below is generated by plot.py at 2019-02-20 23:21:16

Datalink statistics

-- Total of 1 flow:

Average throughput: 623.63 Mbit/s

95th percentile per-packet one-way delay: 75.443 ms

Loss rate: 0.03%

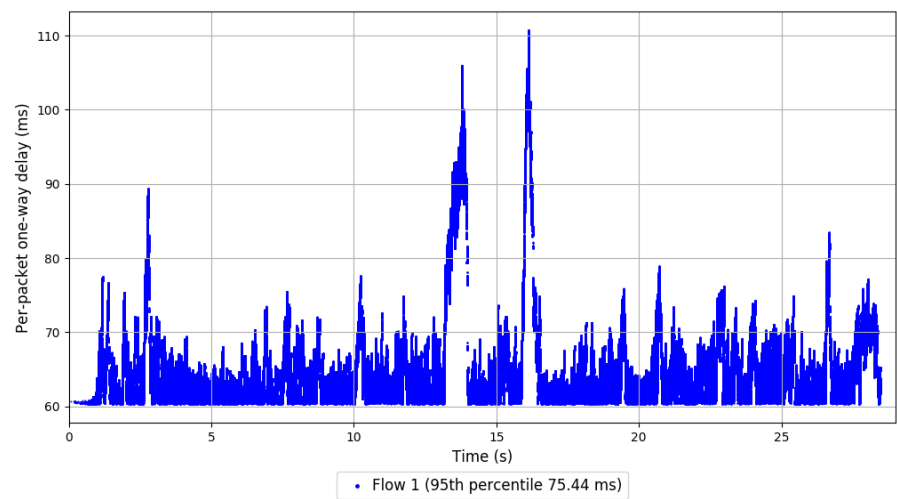
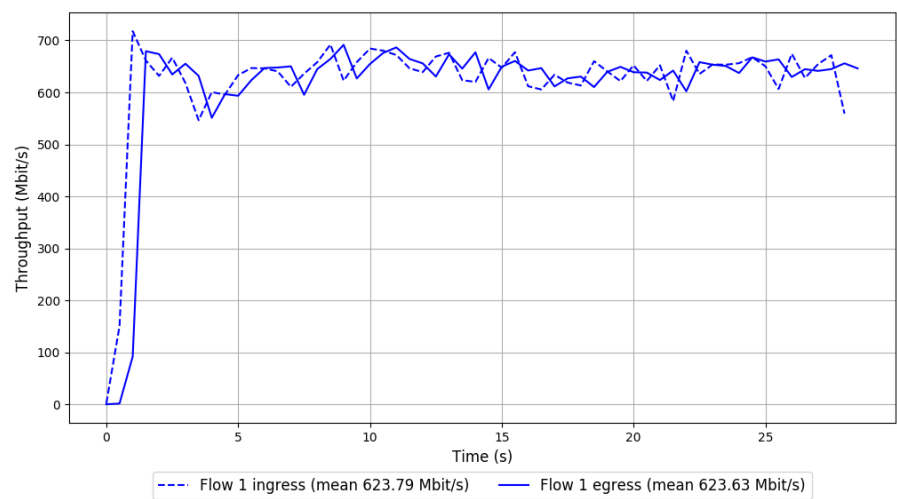
-- Flow 1:

Average throughput: 623.63 Mbit/s

95th percentile per-packet one-way delay: 75.443 ms

Loss rate: 0.03%

Run 4: Report of Indigo-MusesT — Data Link



Run 5: Statistics of Indigo-MusesT

Start at: 2019-02-20 21:35:07

End at: 2019-02-20 21:35:37

Local clock offset: -0.062 ms

Remote clock offset: -0.1 ms

Below is generated by plot.py at 2019-02-20 23:21:33

Datalink statistics

-- Total of 1 flow:

Average throughput: 606.42 Mbit/s

95th percentile per-packet one-way delay: 68.485 ms

Loss rate: 0.02%

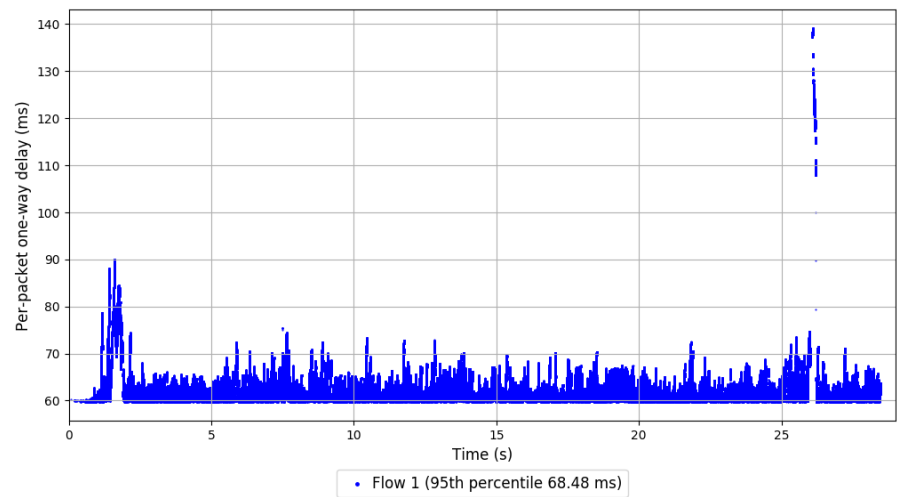
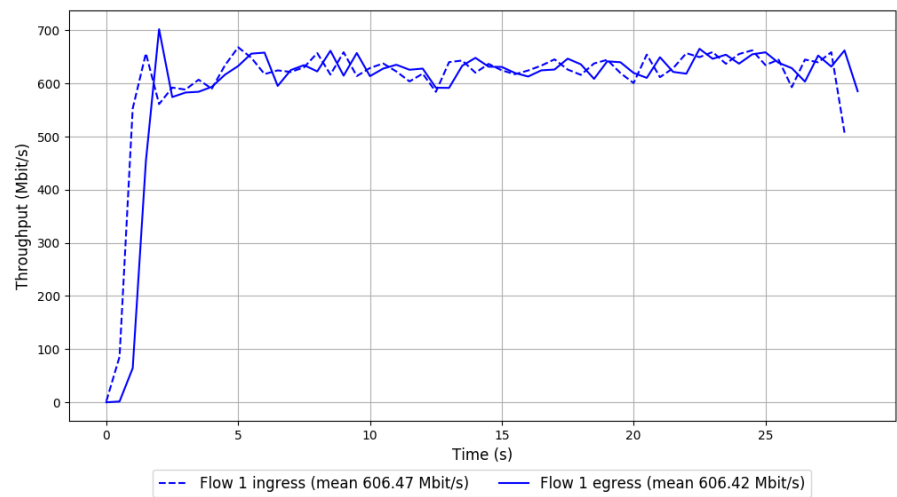
-- Flow 1:

Average throughput: 606.42 Mbit/s

95th percentile per-packet one-way delay: 68.485 ms

Loss rate: 0.02%

Run 5: Report of Indigo-MusesT — Data Link

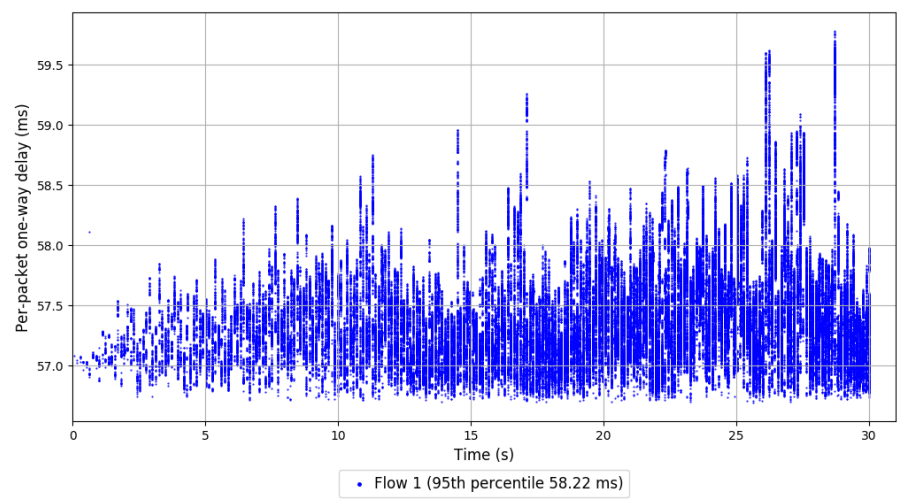
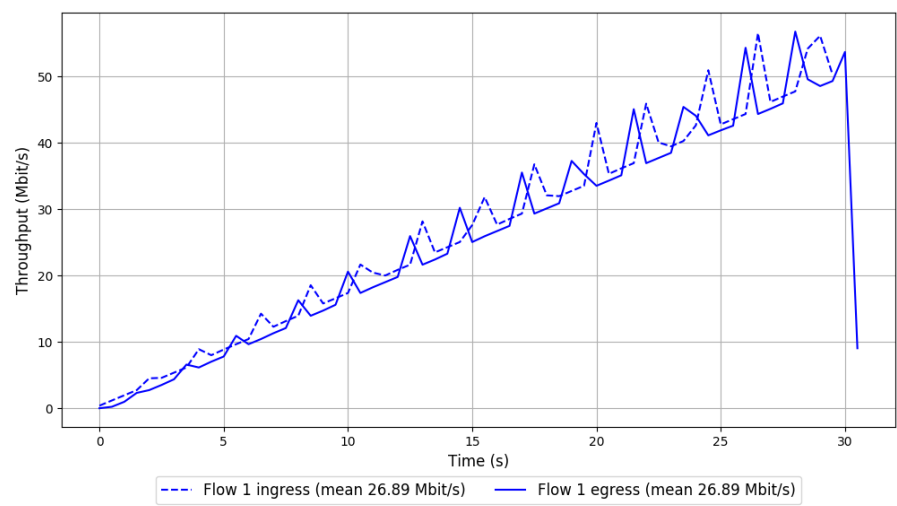


Run 1: Statistics of LEDBAT

Start at: 2019-02-20 19:23:14
End at: 2019-02-20 19:23:44
Local clock offset: 0.106 ms
Remote clock offset: -0.247 ms

Below is generated by plot.py at 2019-02-20 23:21:33
Datalink statistics
-- Total of 1 flow:
Average throughput: 26.89 Mbit/s
95th percentile per-packet one-way delay: 58.223 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 26.89 Mbit/s
95th percentile per-packet one-way delay: 58.223 ms
Loss rate: 0.00%

Run 1: Report of LEDBAT — Data Link



Run 2: Statistics of LEDBAT

Start at: 2019-02-20 19:58:59

End at: 2019-02-20 19:59:30

Local clock offset: -0.065 ms

Remote clock offset: 0.44 ms

Below is generated by plot.py at 2019-02-20 23:21:33

Datalink statistics

-- Total of 1 flow:

Average throughput: 26.99 Mbit/s

95th percentile per-packet one-way delay: 61.873 ms

Loss rate: 0.15%

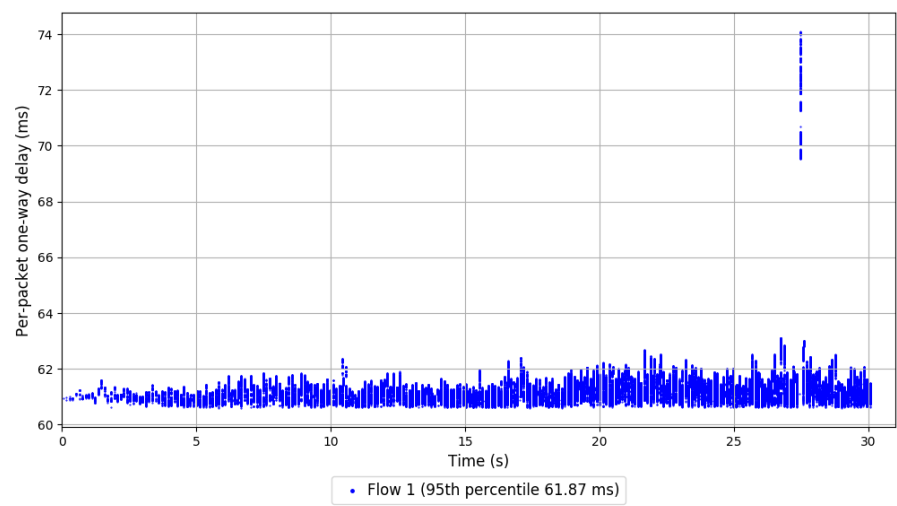
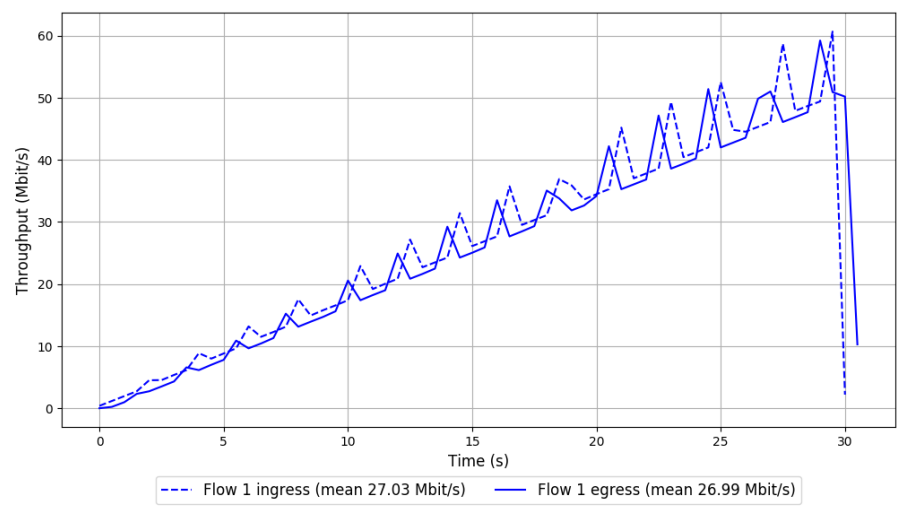
-- Flow 1:

Average throughput: 26.99 Mbit/s

95th percentile per-packet one-way delay: 61.873 ms

Loss rate: 0.15%

Run 2: Report of LEDBAT — Data Link

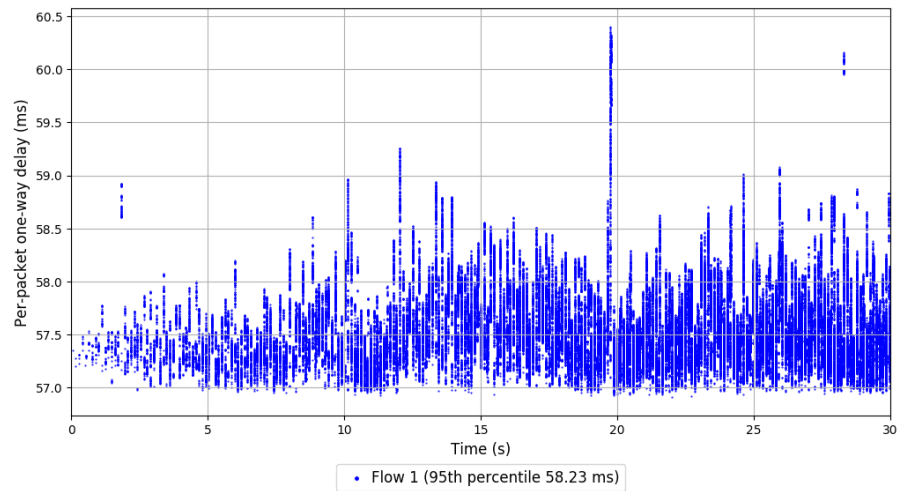
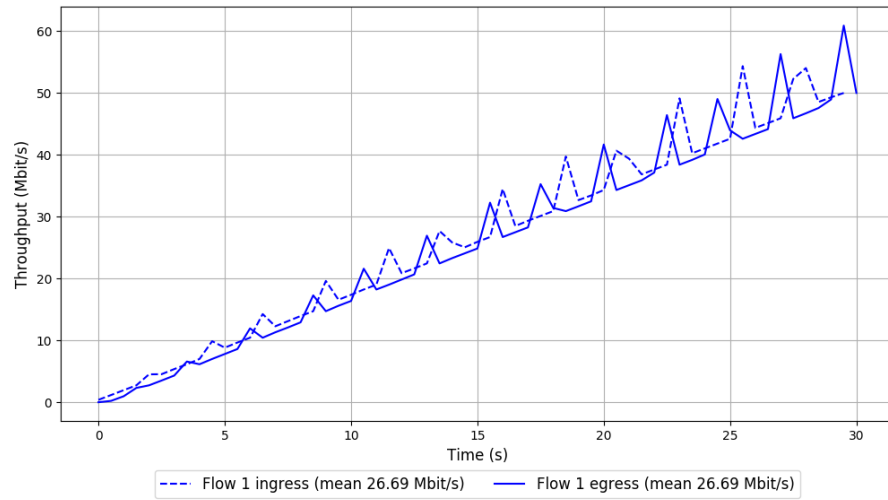


Run 3: Statistics of LEDBAT

Start at: 2019-02-20 20:32:42
End at: 2019-02-20 20:33:12
Local clock offset: -0.216 ms
Remote clock offset: -0.571 ms

Below is generated by plot.py at 2019-02-20 23:21:33
Datalink statistics
-- Total of 1 flow:
Average throughput: 26.69 Mbit/s
95th percentile per-packet one-way delay: 58.228 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 26.69 Mbit/s
95th percentile per-packet one-way delay: 58.228 ms
Loss rate: 0.00%

Run 3: Report of LEDBAT — Data Link



Run 4: Statistics of LEDBAT

Start at: 2019-02-20 21:07:24

End at: 2019-02-20 21:07:54

Local clock offset: -0.083 ms

Remote clock offset: 0.055 ms

Below is generated by plot.py at 2019-02-20 23:21:33

Datalink statistics

-- Total of 1 flow:

Average throughput: 26.89 Mbit/s

95th percentile per-packet one-way delay: 58.067 ms

Loss rate: 0.00%

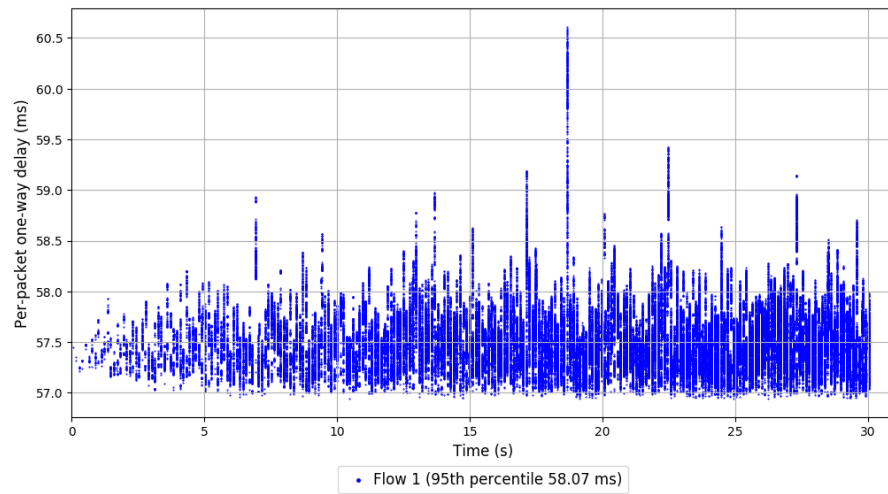
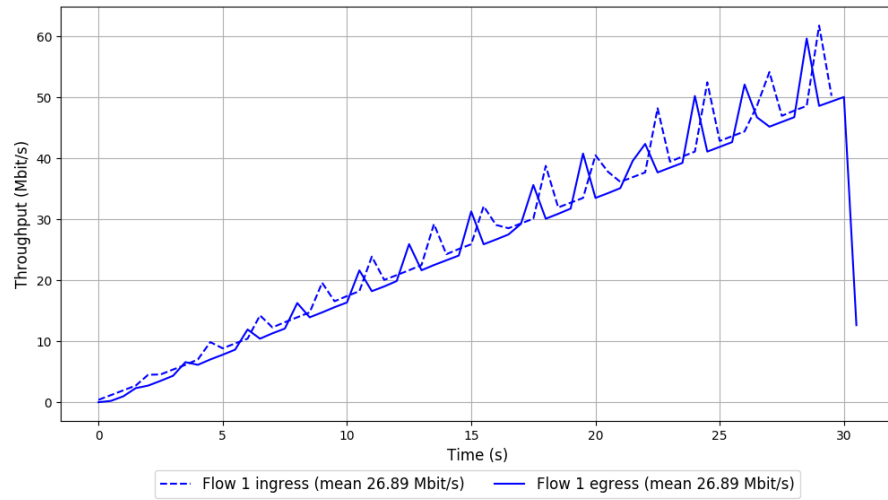
-- Flow 1:

Average throughput: 26.89 Mbit/s

95th percentile per-packet one-way delay: 58.067 ms

Loss rate: 0.00%

Run 4: Report of LEDBAT — Data Link

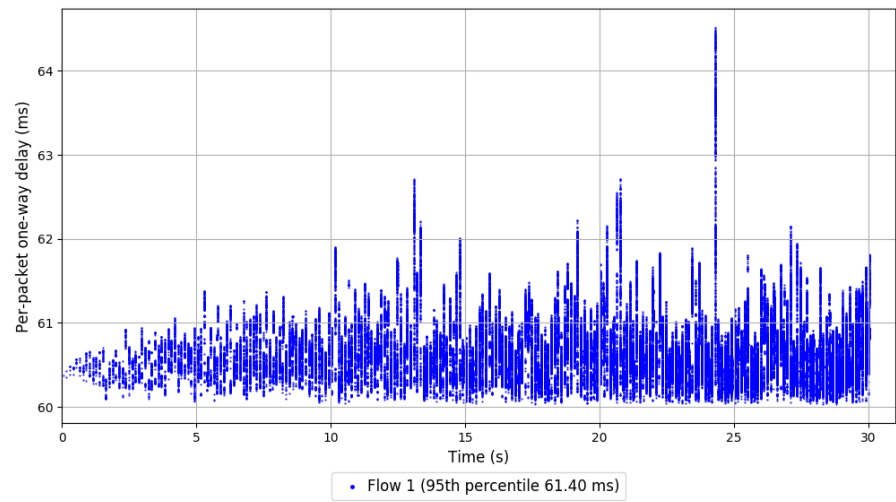
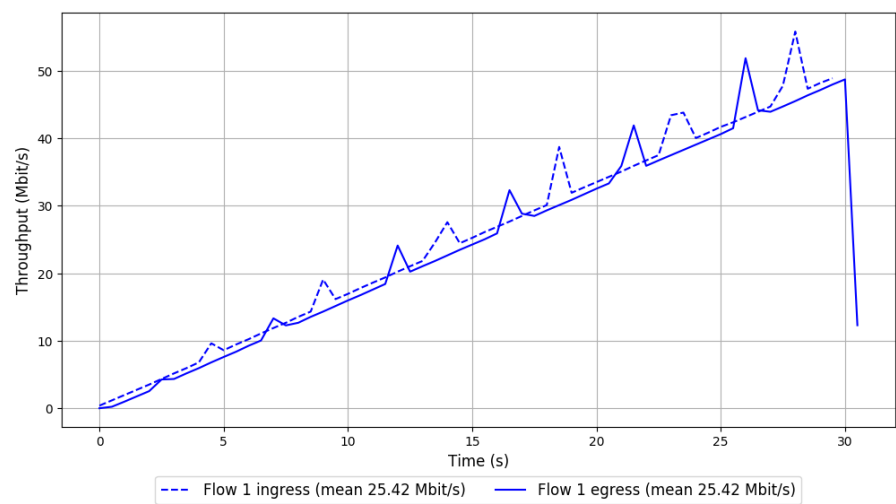


Run 5: Statistics of LEDBAT

Start at: 2019-02-20 21:42:49
End at: 2019-02-20 21:43:19
Local clock offset: -0.778 ms
Remote clock offset: -0.858 ms

Below is generated by plot.py at 2019-02-20 23:21:33
Datalink statistics
-- Total of 1 flow:
Average throughput: 25.42 Mbit/s
95th percentile per-packet one-way delay: 61.402 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 25.42 Mbit/s
95th percentile per-packet one-way delay: 61.402 ms
Loss rate: 0.00%

Run 5: Report of LEDBAT — Data Link



Run 1: Statistics of PCC-Allegro

Start at: 2019-02-20 19:09:30

End at: 2019-02-20 19:10:00

Local clock offset: 0.369 ms

Remote clock offset: 0.573 ms

Below is generated by plot.py at 2019-02-20 23:34:01

Datalink statistics

-- Total of 1 flow:

Average throughput: 493.13 Mbit/s

95th percentile per-packet one-way delay: 132.313 ms

Loss rate: 0.40%

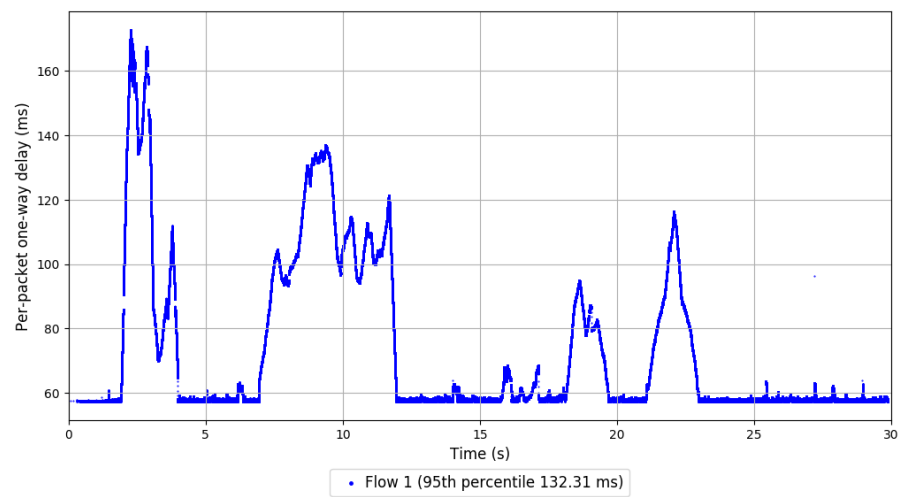
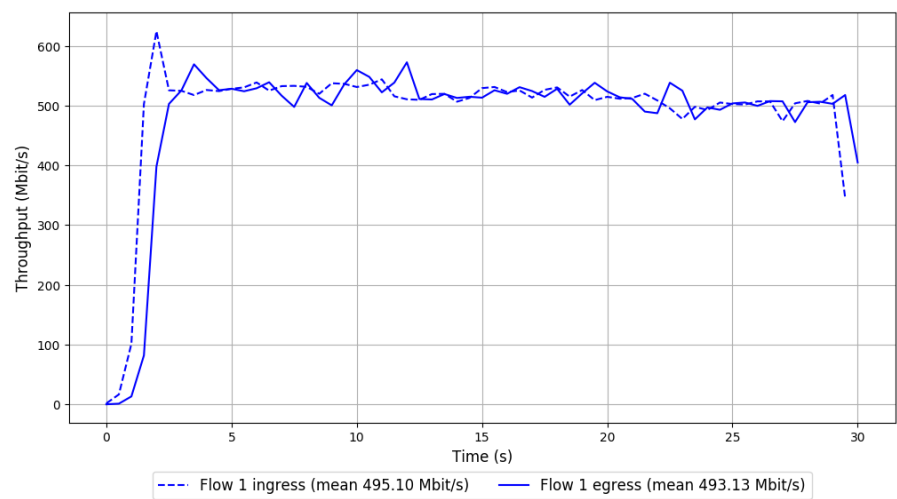
-- Flow 1:

Average throughput: 493.13 Mbit/s

95th percentile per-packet one-way delay: 132.313 ms

Loss rate: 0.40%

Run 1: Report of PCC-Allegro — Data Link



Run 2: Statistics of PCC-Allegro

Start at: 2019-02-20 19:45:39

End at: 2019-02-20 19:46:09

Local clock offset: -0.057 ms

Remote clock offset: 1.226 ms

Below is generated by plot.py at 2019-02-20 23:34:01

Datalink statistics

-- Total of 1 flow:

Average throughput: 447.59 Mbit/s

95th percentile per-packet one-way delay: 159.618 ms

Loss rate: 0.85%

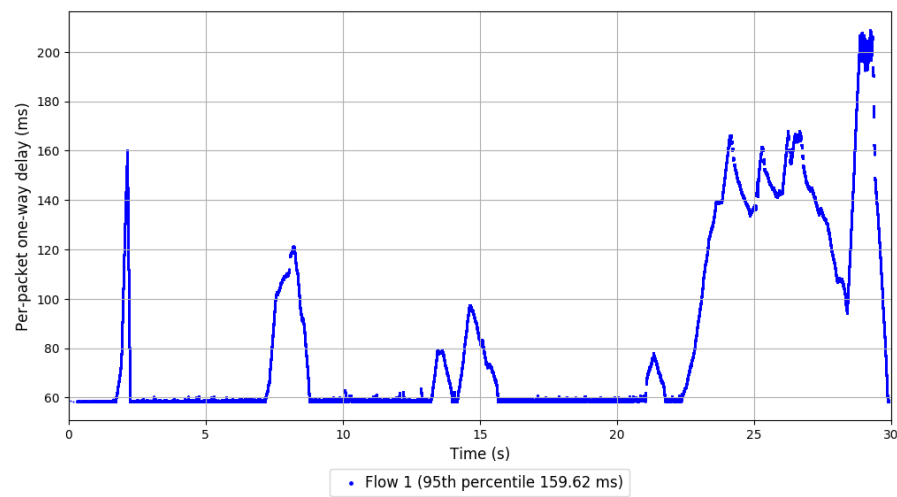
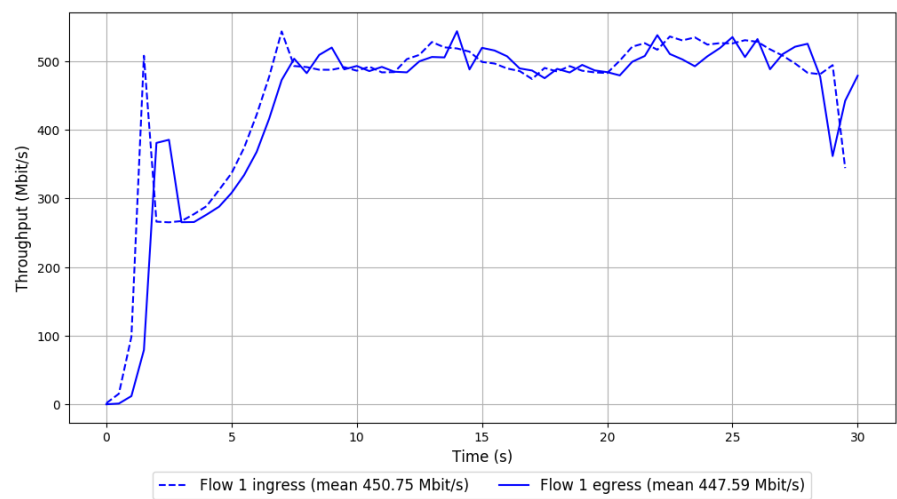
-- Flow 1:

Average throughput: 447.59 Mbit/s

95th percentile per-packet one-way delay: 159.618 ms

Loss rate: 0.85%

Run 2: Report of PCC-Allegro — Data Link



Run 3: Statistics of PCC-Allegro

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

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

Local clock offset: 0.278 ms

Remote clock offset: -0.276 ms

Below is generated by plot.py at 2019-02-20 23:34:01

Datalink statistics

-- Total of 1 flow:

Average throughput: 467.36 Mbit/s

95th percentile per-packet one-way delay: 154.269 ms

Loss rate: 0.82%

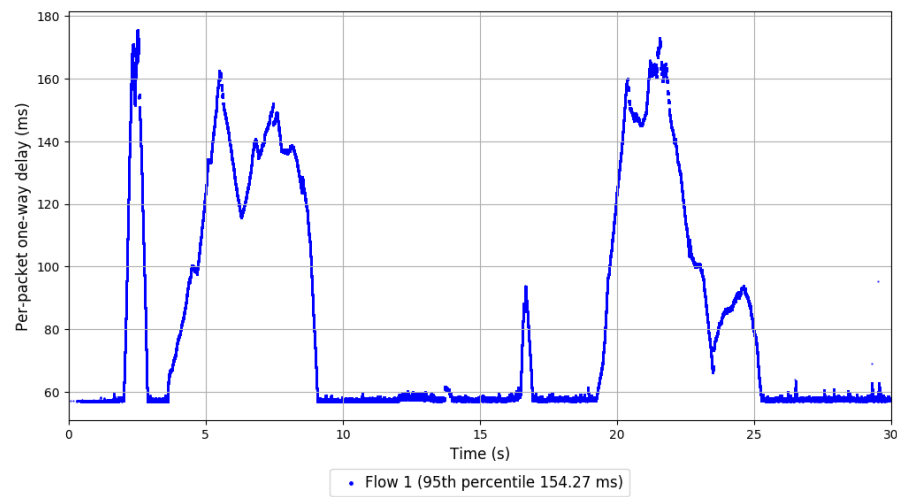
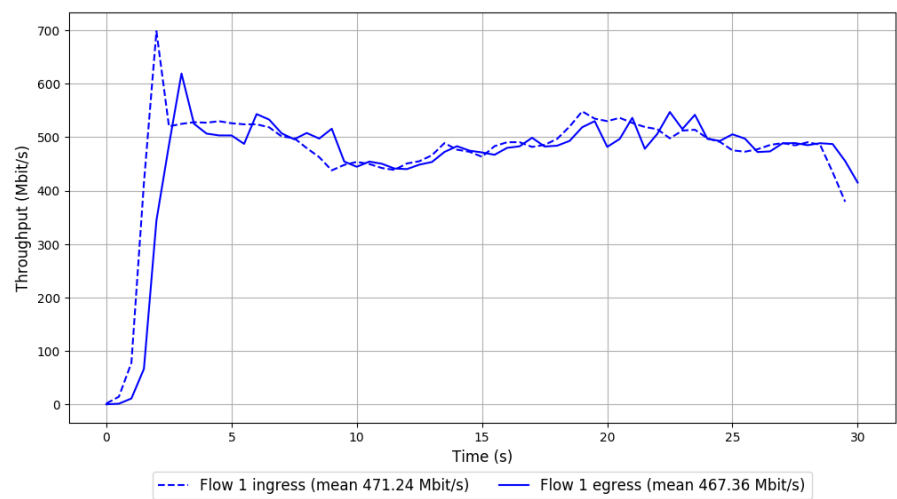
-- Flow 1:

Average throughput: 467.36 Mbit/s

95th percentile per-packet one-way delay: 154.269 ms

Loss rate: 0.82%

Run 3: Report of PCC-Allegro — Data Link



Run 4: Statistics of PCC-Allegro

Start at: 2019-02-20 20:54:01

End at: 2019-02-20 20:54:31

Local clock offset: -0.668 ms

Remote clock offset: 0.432 ms

Below is generated by plot.py at 2019-02-20 23:36:31

Datalink statistics

-- Total of 1 flow:

Average throughput: 495.75 Mbit/s

95th percentile per-packet one-way delay: 156.681 ms

Loss rate: 1.38%

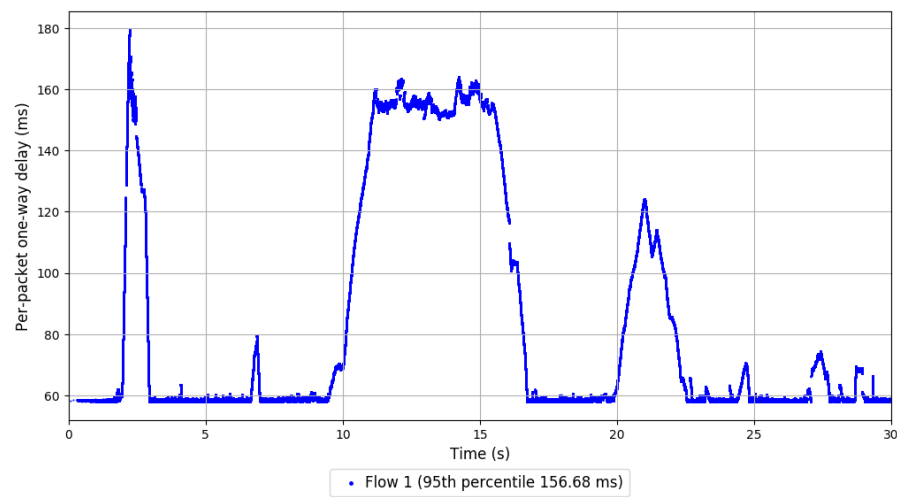
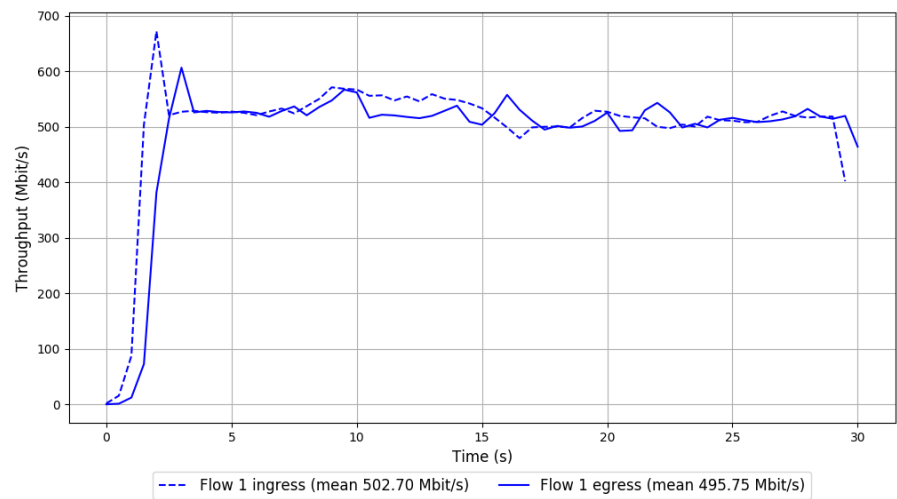
-- Flow 1:

Average throughput: 495.75 Mbit/s

95th percentile per-packet one-way delay: 156.681 ms

Loss rate: 1.38%

Run 4: Report of PCC-Allegro — Data Link



Run 5: Statistics of PCC-Allegro

Start at: 2019-02-20 21:29:26

End at: 2019-02-20 21:29:56

Local clock offset: -0.147 ms

Remote clock offset: -0.144 ms

Below is generated by plot.py at 2019-02-20 23:37:32

Datalink statistics

-- Total of 1 flow:

Average throughput: 474.21 Mbit/s

95th percentile per-packet one-way delay: 173.963 ms

Loss rate: 4.45%

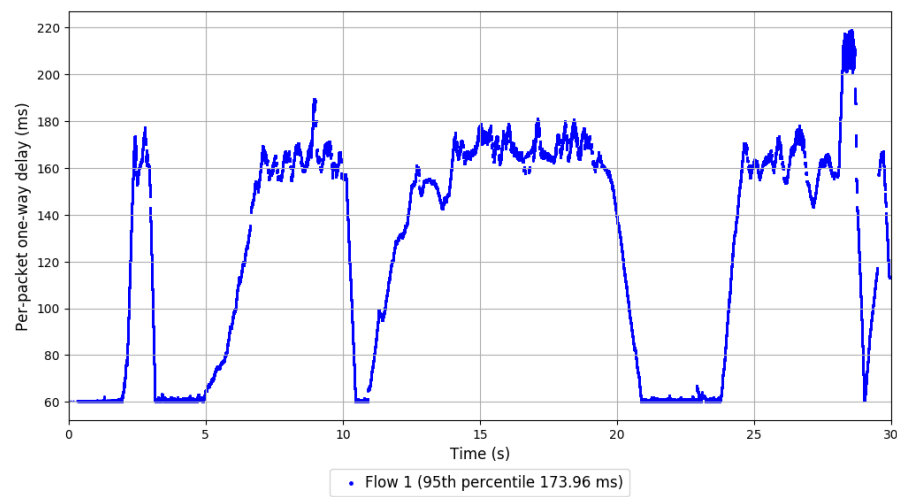
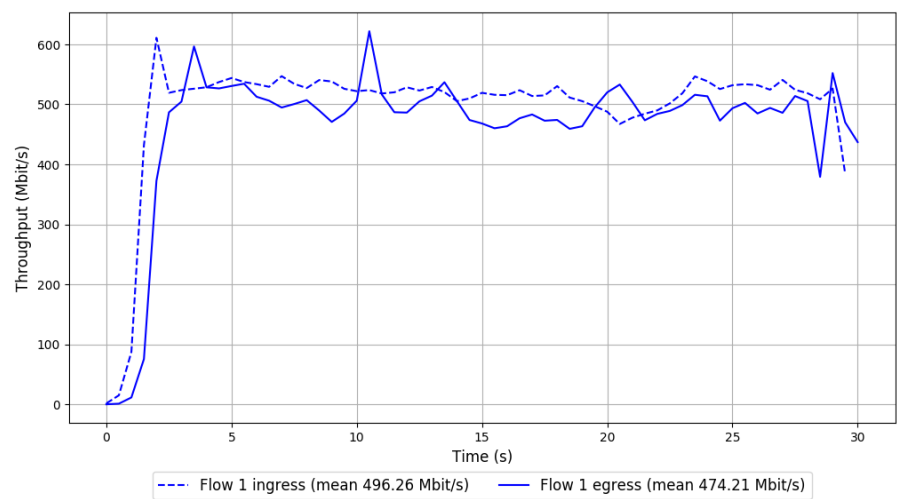
-- Flow 1:

Average throughput: 474.21 Mbit/s

95th percentile per-packet one-way delay: 173.963 ms

Loss rate: 4.45%

Run 5: Report of PCC-Allegro — Data Link

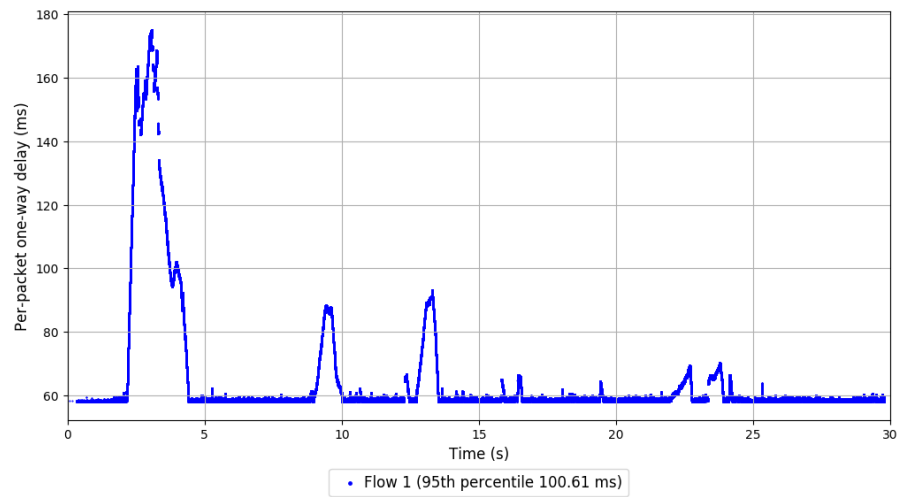
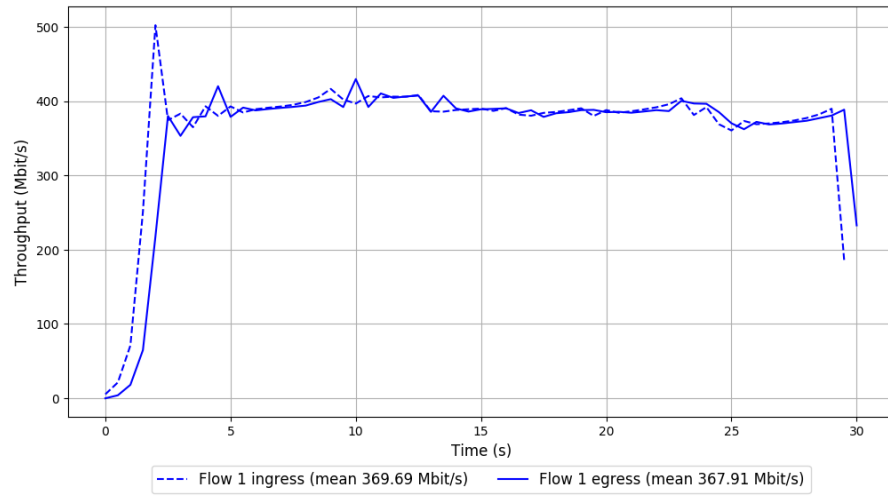


```
Run 1: Statistics of PCC-Expr

Start at: 2019-02-20 19:18:22
End at: 2019-02-20 19:18:52
Local clock offset: -0.045 ms
Remote clock offset: 1.184 ms

# Below is generated by plot.py at 2019-02-20 23:37:32
# Datalink statistics
-- Total of 1 flow:
Average throughput: 367.91 Mbit/s
95th percentile per-packet one-way delay: 100.612 ms
Loss rate: 0.48%
-- Flow 1:
Average throughput: 367.91 Mbit/s
95th percentile per-packet one-way delay: 100.612 ms
Loss rate: 0.48%
```

Run 1: Report of PCC-Expr — Data Link

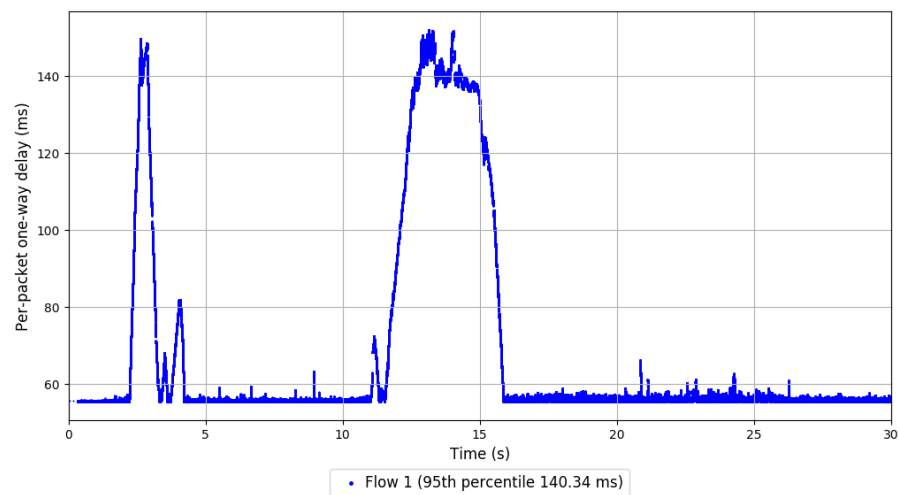
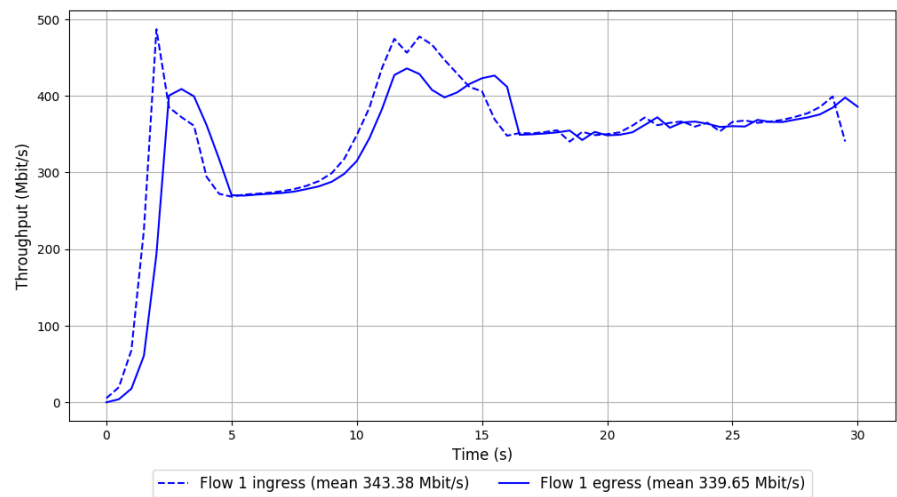


Run 2: Statistics of PCC-Expr

Start at: 2019-02-20 19:54:17
End at: 2019-02-20 19:54:47
Local clock offset: 0.359 ms
Remote clock offset: -1.009 ms

Below is generated by plot.py at 2019-02-20 23:37:32
Datalink statistics
-- Total of 1 flow:
Average throughput: 339.65 Mbit/s
95th percentile per-packet one-way delay: 140.335 ms
Loss rate: 1.08%
-- Flow 1:
Average throughput: 339.65 Mbit/s
95th percentile per-packet one-way delay: 140.335 ms
Loss rate: 1.08%

Run 2: Report of PCC-Expr — Data Link



Run 3: Statistics of PCC-Expr

Start at: 2019-02-20 20:28:15

End at: 2019-02-20 20:28:45

Local clock offset: -0.349 ms

Remote clock offset: 0.41 ms

Below is generated by plot.py at 2019-02-20 23:37:32

Datalink statistics

-- Total of 1 flow:

Average throughput: 356.48 Mbit/s

95th percentile per-packet one-way delay: 148.991 ms

Loss rate: 0.55%

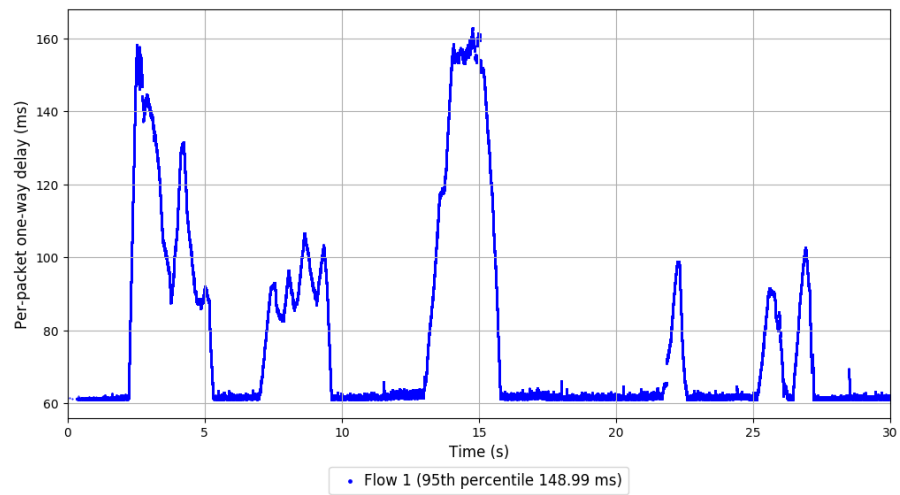
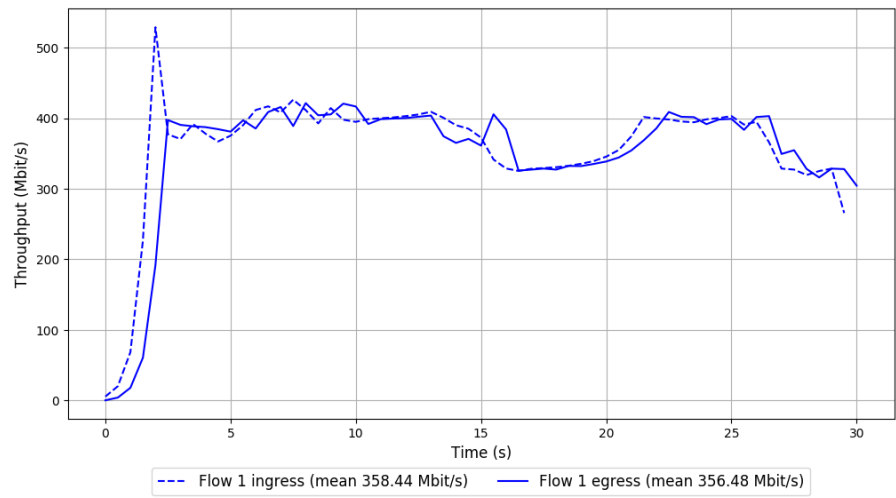
-- Flow 1:

Average throughput: 356.48 Mbit/s

95th percentile per-packet one-way delay: 148.991 ms

Loss rate: 0.55%

Run 3: Report of PCC-Expr — Data Link

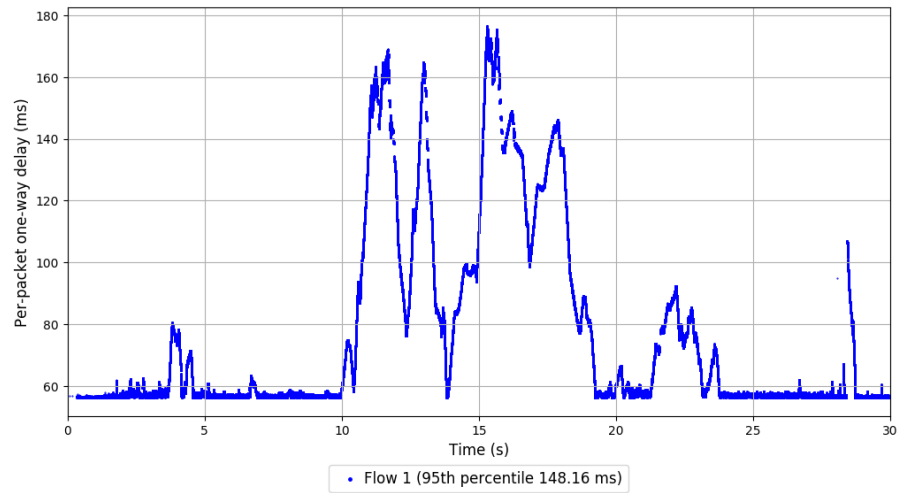
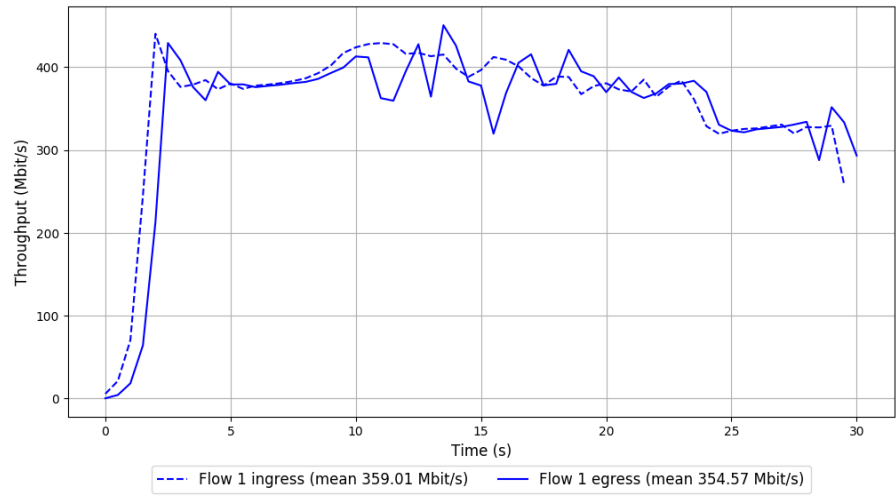


Run 4: Statistics of PCC-Expr

Start at: 2019-02-20 21:02:29
End at: 2019-02-20 21:02:59
Local clock offset: -0.138 ms
Remote clock offset: -0.737 ms

Below is generated by plot.py at 2019-02-20 23:44:31
Datalink statistics
-- Total of 1 flow:
Average throughput: 354.57 Mbit/s
95th percentile per-packet one-way delay: 148.158 ms
Loss rate: 1.24%
-- Flow 1:
Average throughput: 354.57 Mbit/s
95th percentile per-packet one-way delay: 148.158 ms
Loss rate: 1.24%

Run 4: Report of PCC-Expr — Data Link

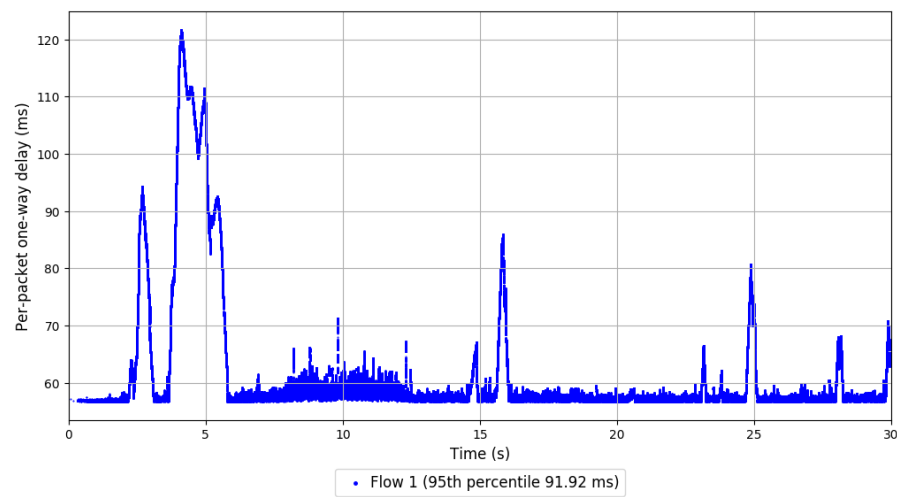
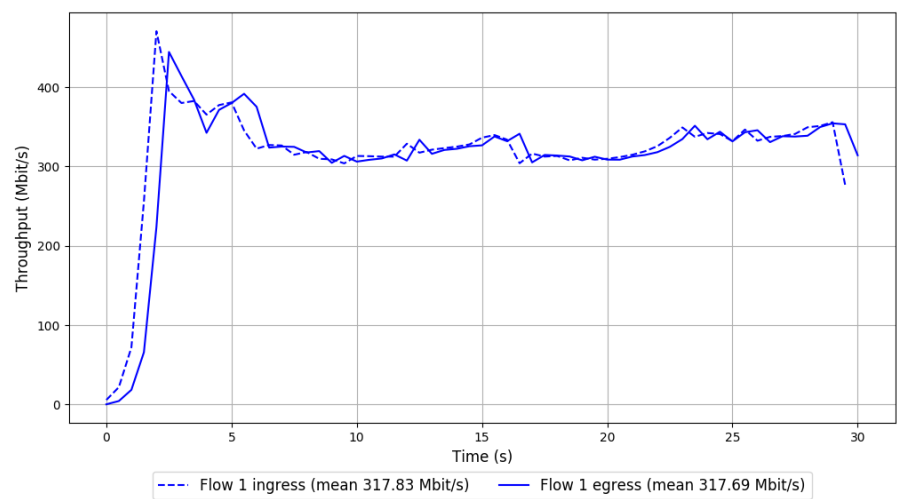


Run 5: Statistics of PCC-Expr

Start at: 2019-02-20 21:38:09
End at: 2019-02-20 21:38:39
Local clock offset: -0.366 ms
Remote clock offset: -0.074 ms

Below is generated by plot.py at 2019-02-20 23:44:37
Datalink statistics
-- Total of 1 flow:
Average throughput: 317.69 Mbit/s
95th percentile per-packet one-way delay: 91.924 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 317.69 Mbit/s
95th percentile per-packet one-way delay: 91.924 ms
Loss rate: 0.04%

Run 5: Report of PCC-Expr — Data Link



Run 1: Statistics of QUIC Cubic

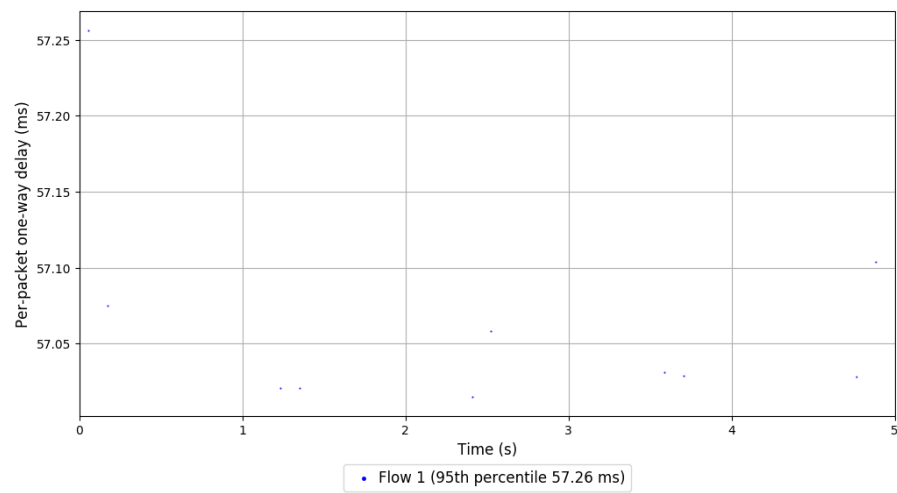
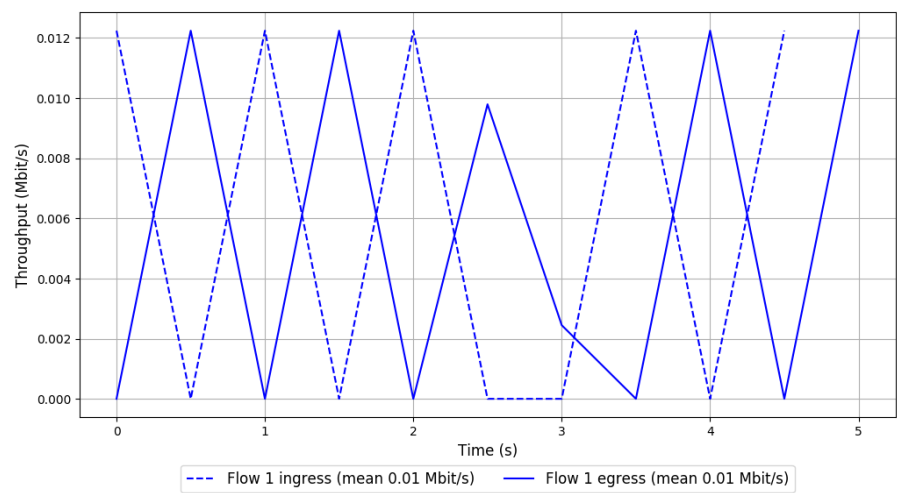
Start at: 2019-02-20 19:20:16

End at: 2019-02-20 19:20:46

Local clock offset: -0.034 ms

Remote clock offset: -0.077 ms

Run 1: Report of QUIC Cubic — Data Link



Run 2: Statistics of QUIC Cubic

Start at: 2019-02-20 19:56:05

End at: 2019-02-20 19:56:35

Local clock offset: -0.225 ms

Remote clock offset: -0.17 ms

Below is generated by plot.py at 2019-02-20 23:44:37

Datalink statistics

-- Total of 1 flow:

Average throughput: 73.76 Mbit/s

95th percentile per-packet one-way delay: 60.598 ms

Loss rate: 0.01%

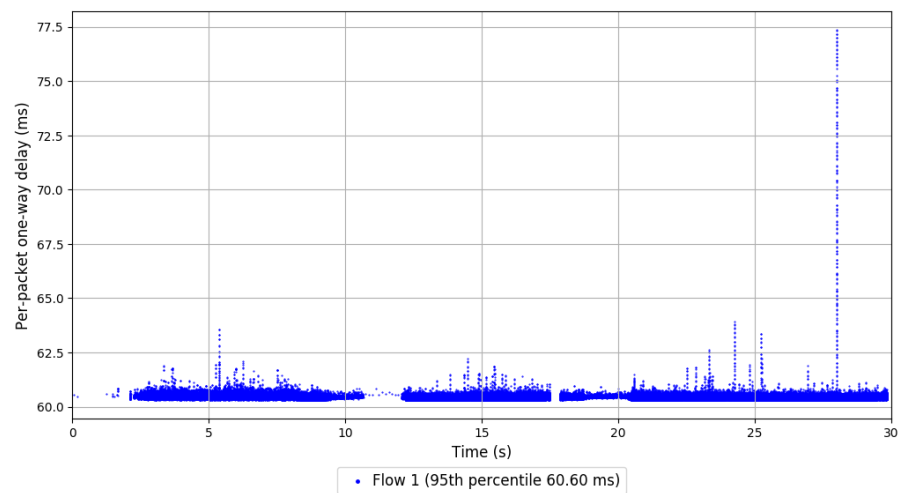
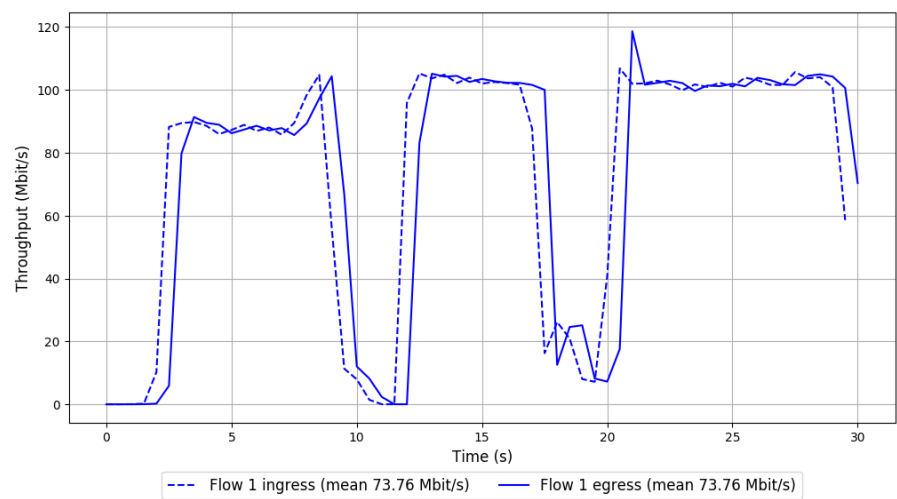
-- Flow 1:

Average throughput: 73.76 Mbit/s

95th percentile per-packet one-way delay: 60.598 ms

Loss rate: 0.01%

Run 2: Report of QUIC Cubic — Data Link



Run 3: Statistics of QUIC Cubic

Start at: 2019-02-20 20:30:03

End at: 2019-02-20 20:30:33

Local clock offset: 0.081 ms

Remote clock offset: -0.209 ms

Below is generated by plot.py at 2019-02-20 23:44:37

Datalink statistics

-- Total of 1 flow:

Average throughput: 63.00 Mbit/s

95th percentile per-packet one-way delay: 57.275 ms

Loss rate: 0.00%

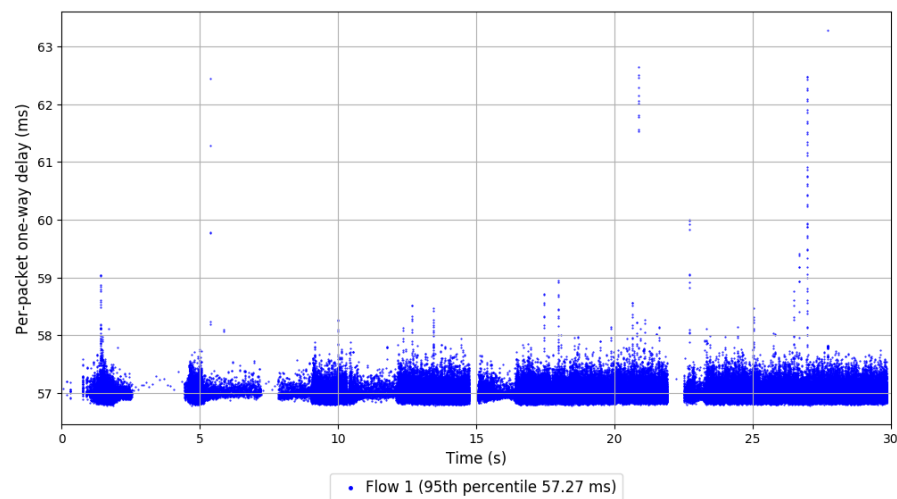
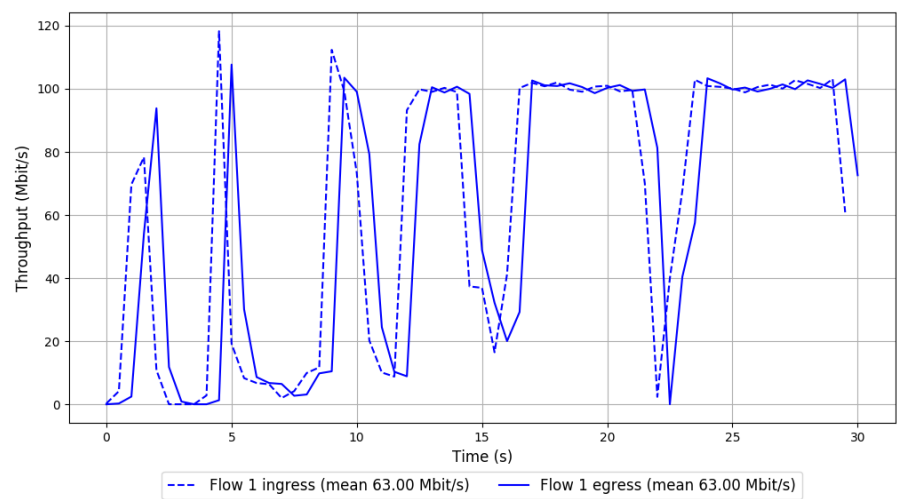
-- Flow 1:

Average throughput: 63.00 Mbit/s

95th percentile per-packet one-way delay: 57.275 ms

Loss rate: 0.00%

Run 3: Report of QUIC Cubic — Data Link

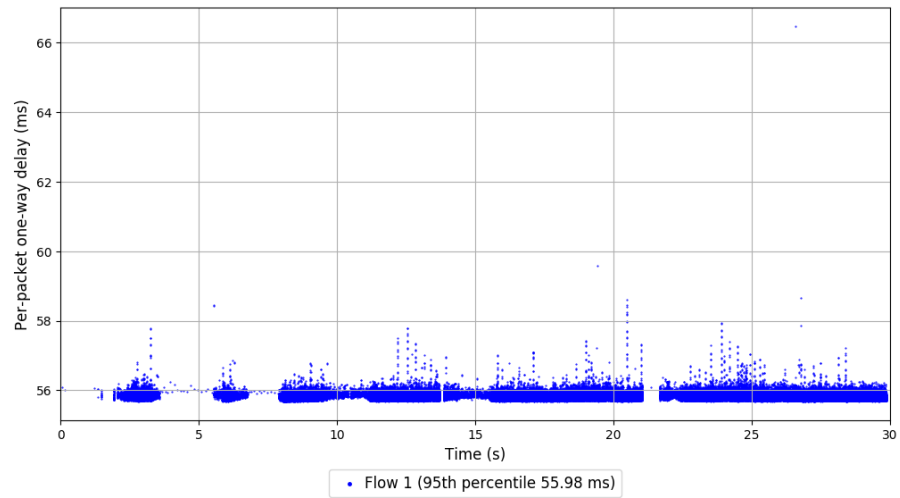
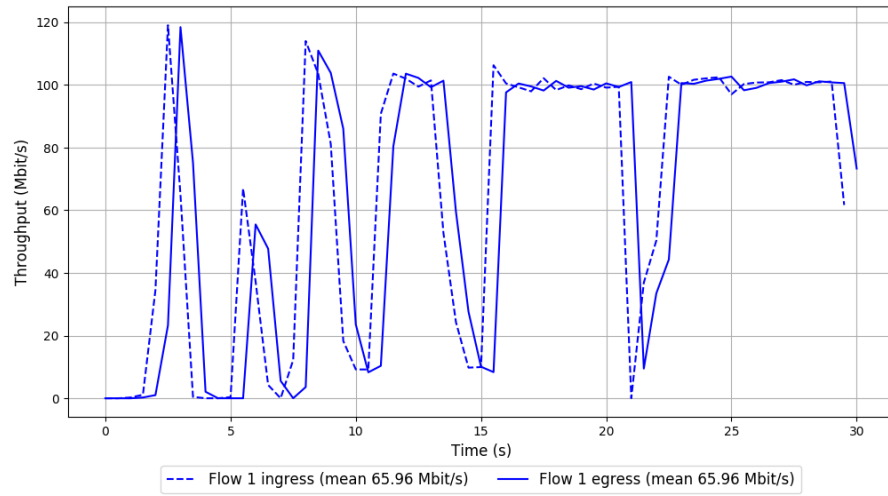


Run 4: Statistics of QUIC Cubic

Start at: 2019-02-20 21:04:25
End at: 2019-02-20 21:04:55
Local clock offset: -0.073 ms
Remote clock offset: -0.863 ms

Below is generated by plot.py at 2019-02-20 23:44:37
Datalink statistics
-- Total of 1 flow:
Average throughput: 65.96 Mbit/s
95th percentile per-packet one-way delay: 55.985 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 65.96 Mbit/s
95th percentile per-packet one-way delay: 55.985 ms
Loss rate: 0.00%

Run 4: Report of QUIC Cubic — Data Link



Run 5: Statistics of QUIC Cubic

Start at: 2019-02-20 21:39:59

End at: 2019-02-20 21:40:29

Local clock offset: -0.768 ms

Remote clock offset: 0.03 ms

Below is generated by plot.py at 2019-02-20 23:44:37

Datalink statistics

-- Total of 1 flow:

Average throughput: 60.17 Mbit/s

95th percentile per-packet one-way delay: 57.857 ms

Loss rate: 0.00%

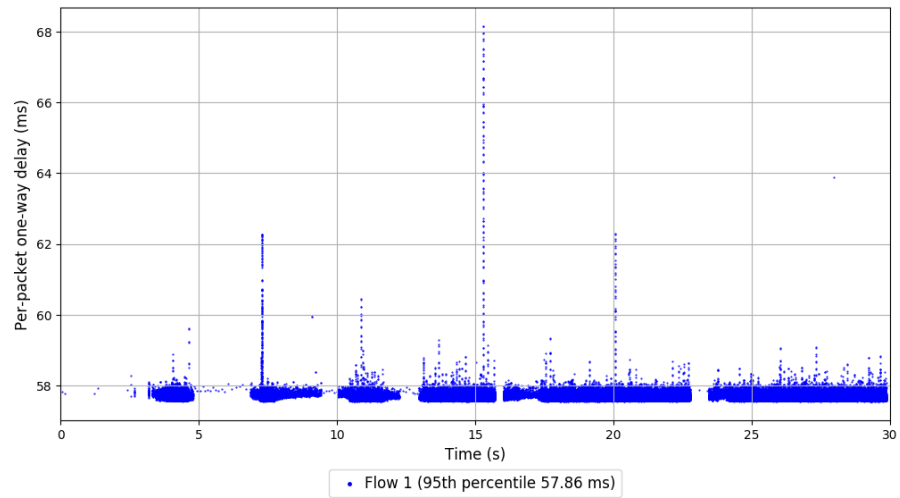
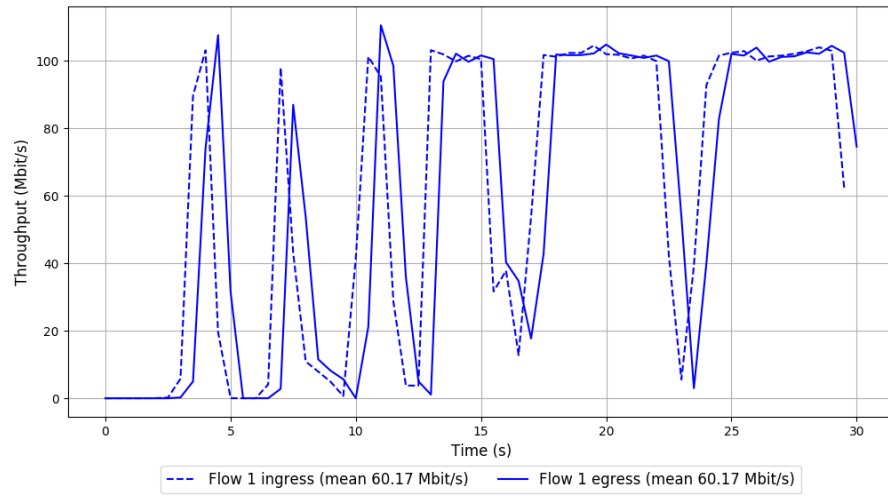
-- Flow 1:

Average throughput: 60.17 Mbit/s

95th percentile per-packet one-way delay: 57.857 ms

Loss rate: 0.00%

Run 5: Report of QUIC Cubic — Data Link

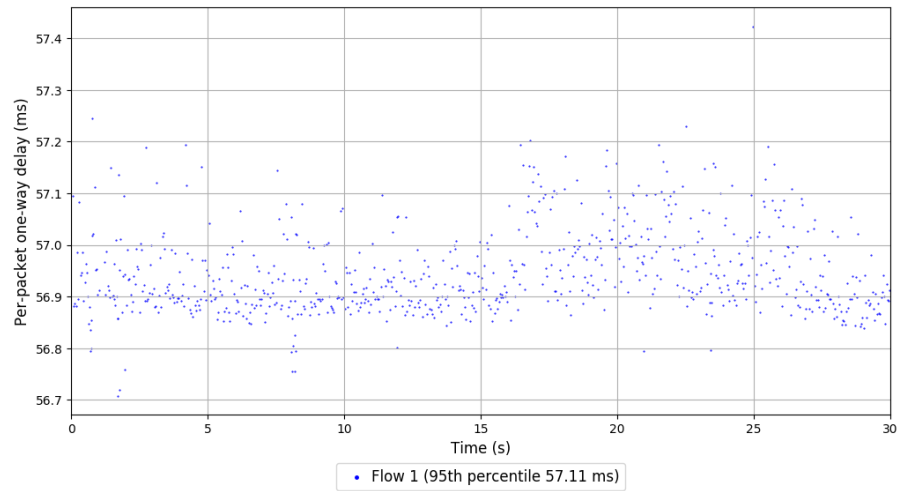
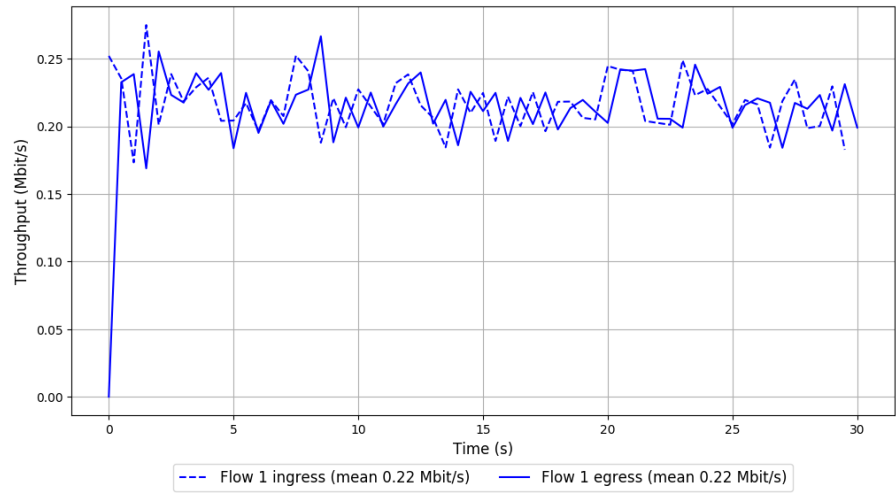


Run 1: Statistics of SCReAM

Start at: 2019-02-20 19:28:20
End at: 2019-02-20 19:28:50
Local clock offset: 0.196 ms
Remote clock offset: -0.159 ms

Below is generated by plot.py at 2019-02-20 23:44:37
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 57.108 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 57.108 ms
Loss rate: 0.00%

Run 1: Report of SReAM — Data Link



Run 2: Statistics of SCReAM

Start at: 2019-02-20 20:03:48

End at: 2019-02-20 20:04:18

Local clock offset: 0.323 ms

Remote clock offset: 0.482 ms

Below is generated by plot.py at 2019-02-20 23:44:37

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 57.568 ms

Loss rate: 0.00%

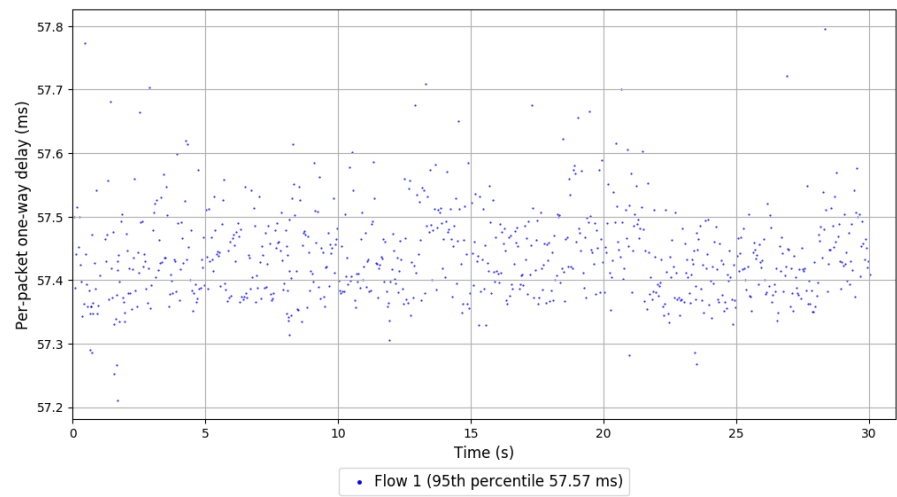
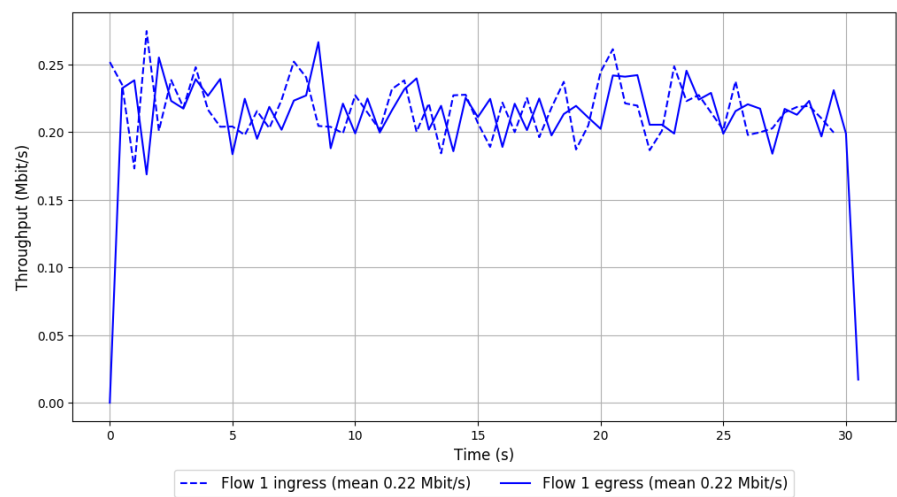
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 57.568 ms

Loss rate: 0.00%

Run 2: Report of SReAM — Data Link

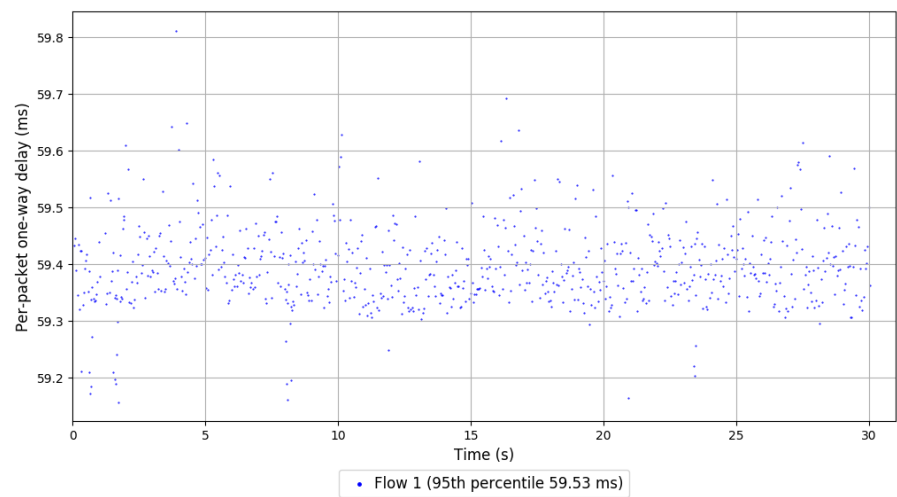
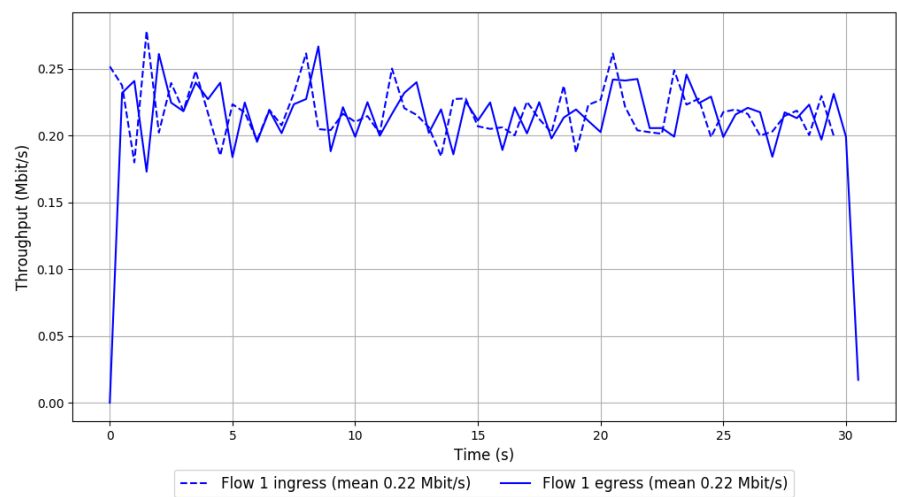


Run 3: Statistics of SCReAM

Start at: 2019-02-20 20:37:39
End at: 2019-02-20 20:38:09
Local clock offset: 0.221 ms
Remote clock offset: -0.928 ms

Below is generated by plot.py at 2019-02-20 23:44:37
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 59.528 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 59.528 ms
Loss rate: 0.00%

Run 3: Report of SReAM — Data Link

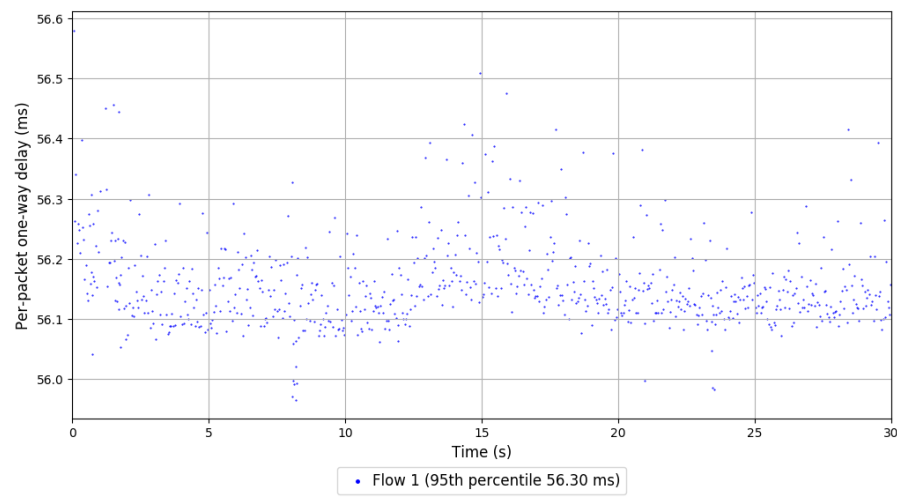
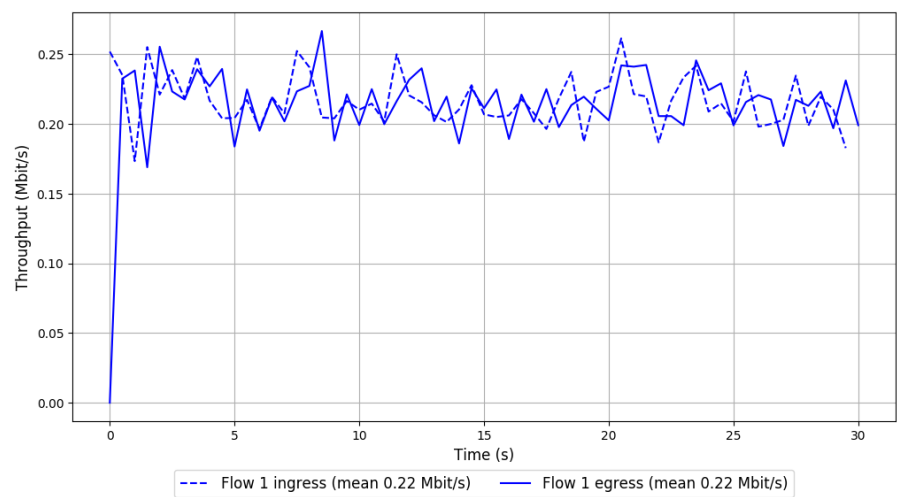


Run 4: Statistics of SReAM

Start at: 2019-02-20 21:12:29
End at: 2019-02-20 21:12:59
Local clock offset: -0.033 ms
Remote clock offset: -0.797 ms

Below is generated by plot.py at 2019-02-20 23:44:37
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 56.298 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 56.298 ms
Loss rate: 0.00%

Run 4: Report of SReAM — Data Link



Run 5: Statistics of SCReAM

Start at: 2019-02-20 21:47:35

End at: 2019-02-20 21:48:06

Local clock offset: -0.688 ms

Remote clock offset: 0.686 ms

Below is generated by plot.py at 2019-02-20 23:44:37

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 61.833 ms

Loss rate: 0.00%

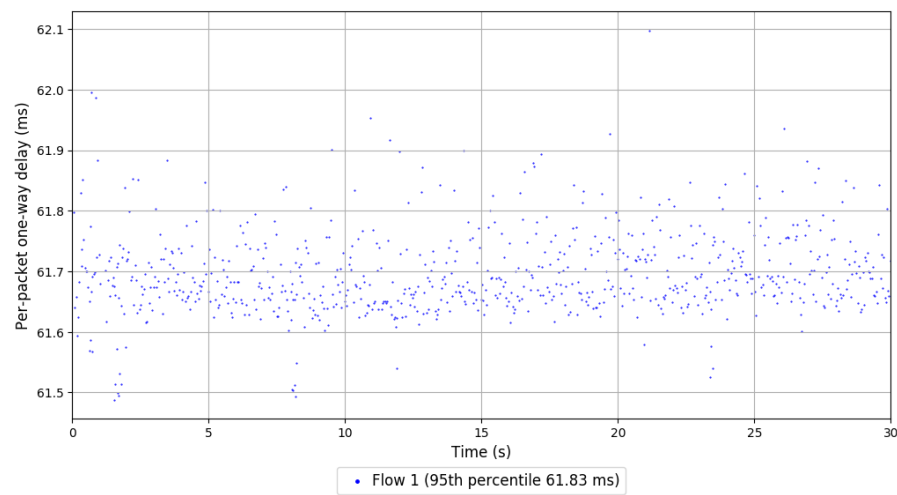
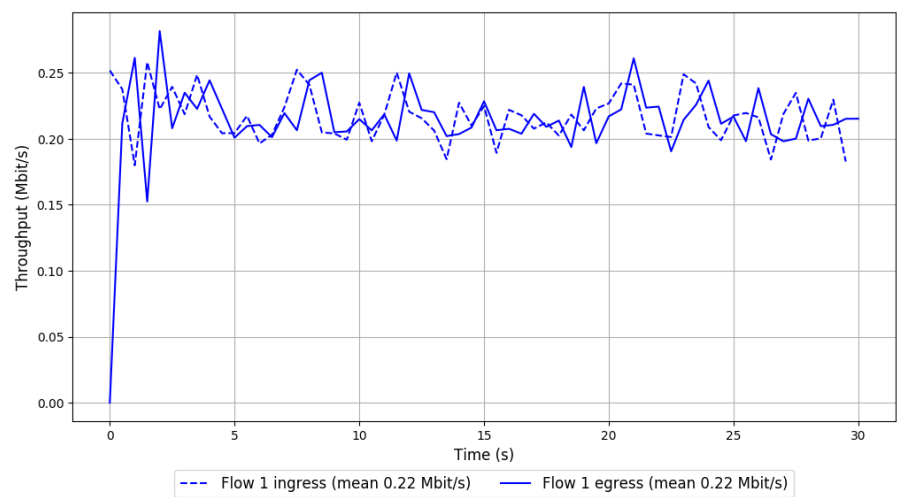
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 61.833 ms

Loss rate: 0.00%

Run 5: Report of SReAM — Data Link



Run 1: Statistics of Sprout

Start at: 2019-02-20 18:55:18

End at: 2019-02-20 18:55:48

Local clock offset: -0.056 ms

Remote clock offset: 0.57 ms

Below is generated by plot.py at 2019-02-20 23:44:37

Datalink statistics

-- Total of 1 flow:

Average throughput: 6.89 Mbit/s

95th percentile per-packet one-way delay: 61.713 ms

Loss rate: 0.00%

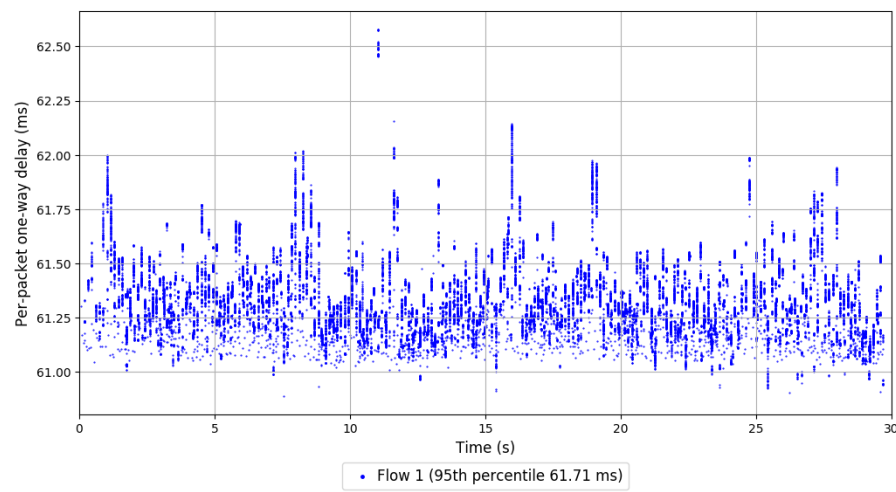
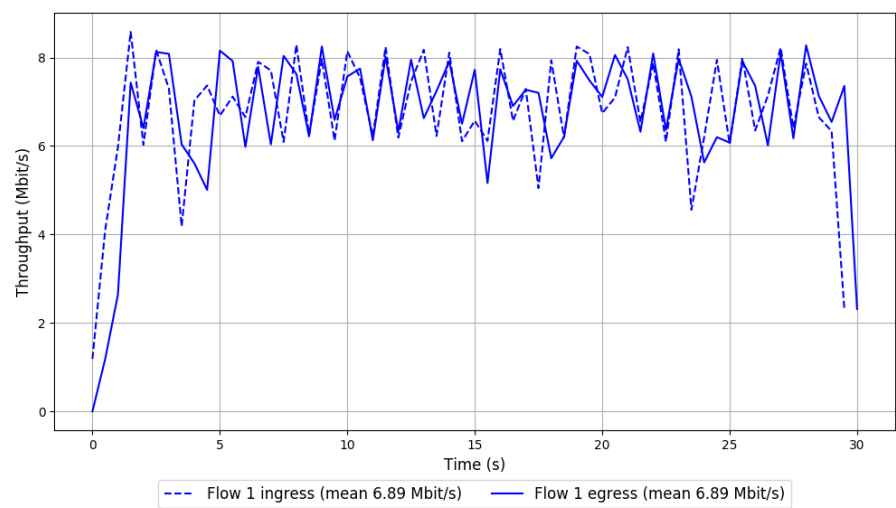
-- Flow 1:

Average throughput: 6.89 Mbit/s

95th percentile per-packet one-way delay: 61.713 ms

Loss rate: 0.00%

Run 1: Report of Sprout — Data Link

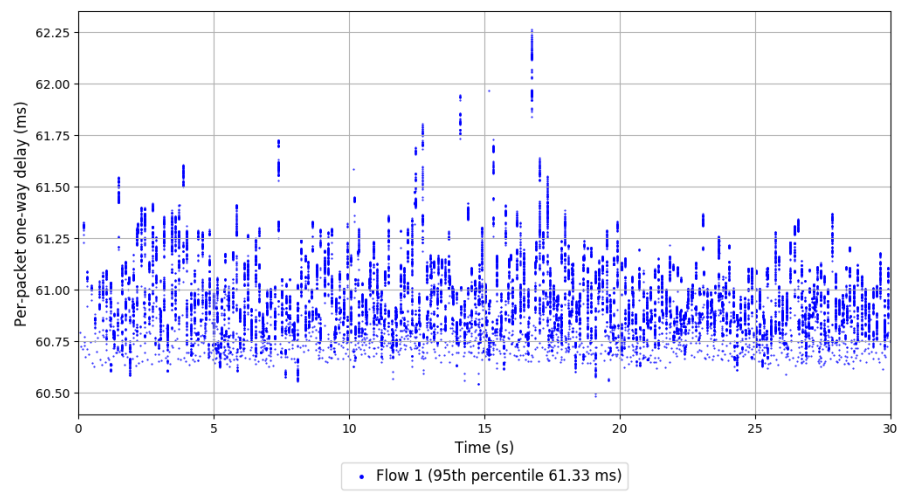
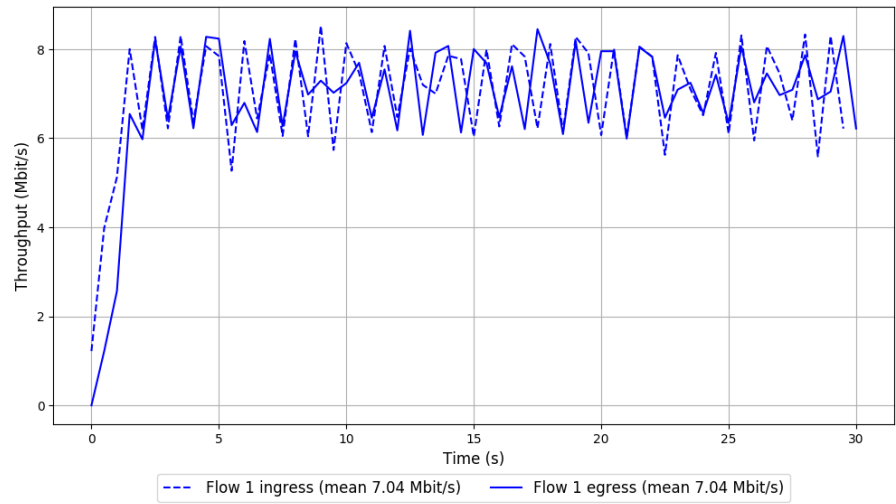


Run 2: Statistics of Sprout

Start at: 2019-02-20 19:31:20
End at: 2019-02-20 19:31:50
Local clock offset: -0.302 ms
Remote clock offset: -0.293 ms

Below is generated by plot.py at 2019-02-20 23:44:37
Datalink statistics
-- Total of 1 flow:
Average throughput: 7.04 Mbit/s
95th percentile per-packet one-way delay: 61.327 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 7.04 Mbit/s
95th percentile per-packet one-way delay: 61.327 ms
Loss rate: 0.00%

Run 2: Report of Sprout — Data Link



Run 3: Statistics of Sprout

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

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

Local clock offset: 0.085 ms

Remote clock offset: 0.428 ms

Below is generated by plot.py at 2019-02-20 23:44:37

Datalink statistics

-- Total of 1 flow:

Average throughput: 7.07 Mbit/s

95th percentile per-packet one-way delay: 58.110 ms

Loss rate: 0.00%

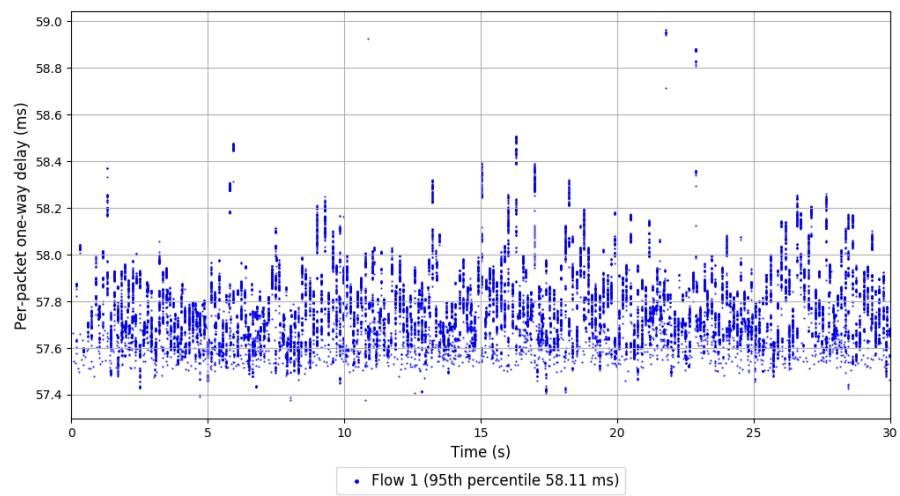
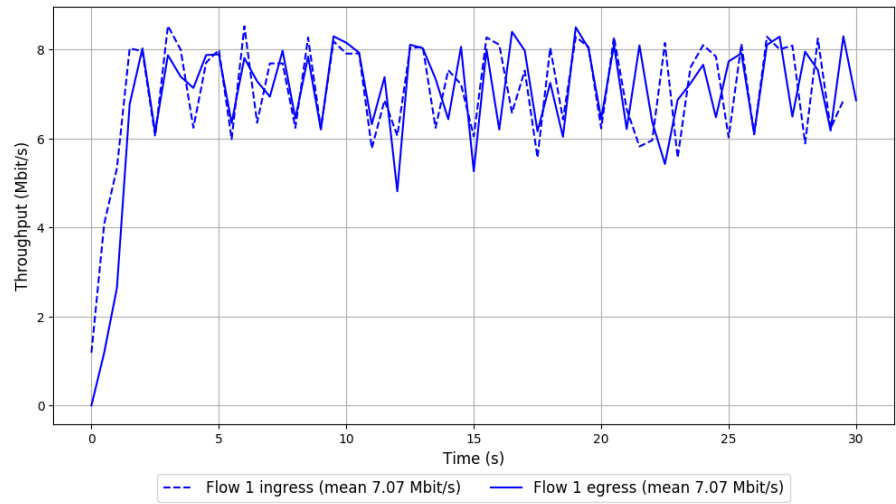
-- Flow 1:

Average throughput: 7.07 Mbit/s

95th percentile per-packet one-way delay: 58.110 ms

Loss rate: 0.00%

Run 3: Report of Sprout — Data Link



Run 4: Statistics of Sprout

Start at: 2019-02-20 20:40:43

End at: 2019-02-20 20:41:13

Local clock offset: -0.451 ms

Remote clock offset: 0.465 ms

Below is generated by plot.py at 2019-02-20 23:44:37

Datalink statistics

-- Total of 1 flow:

Average throughput: 7.76 Mbit/s

95th percentile per-packet one-way delay: 59.002 ms

Loss rate: 0.00%

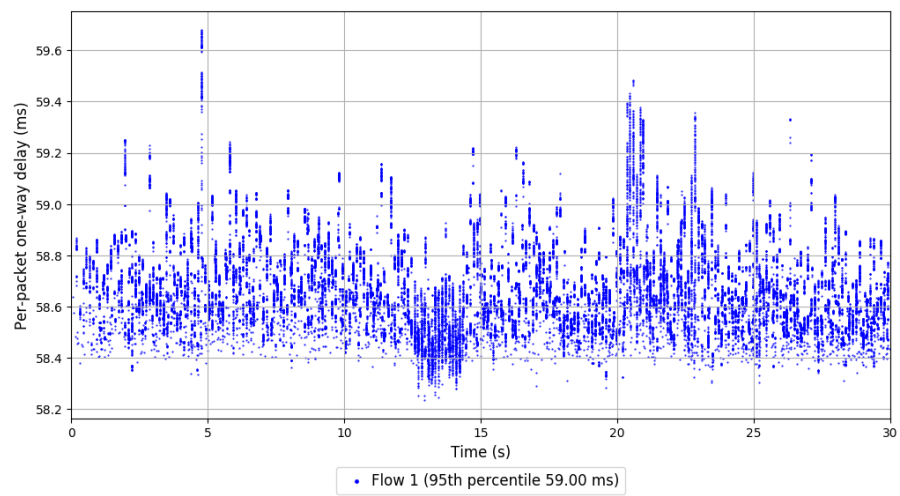
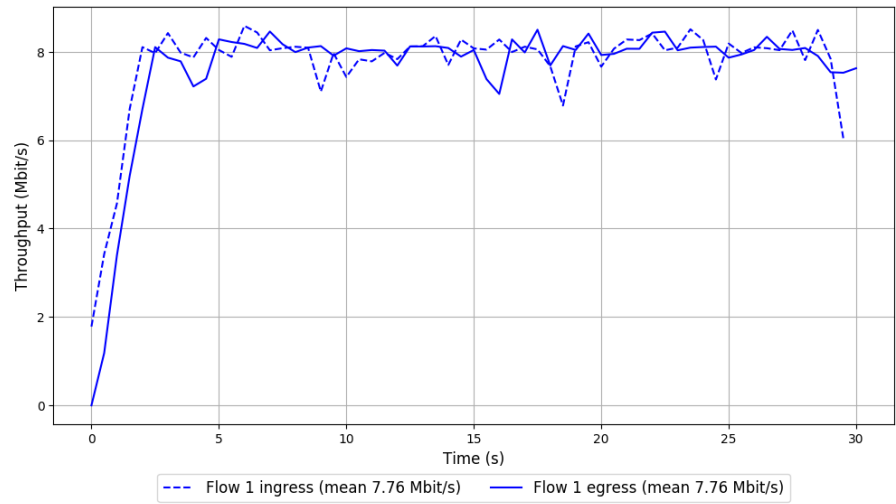
-- Flow 1:

Average throughput: 7.76 Mbit/s

95th percentile per-packet one-way delay: 59.002 ms

Loss rate: 0.00%

Run 4: Report of Sprout — Data Link

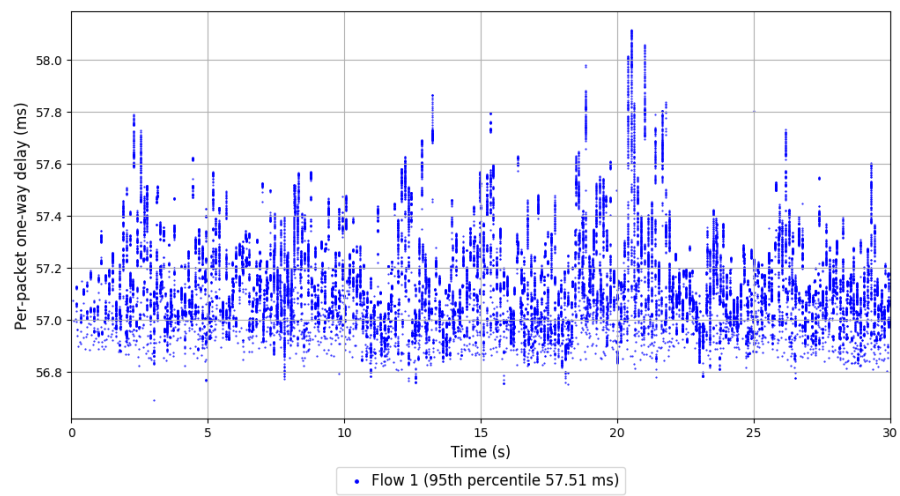
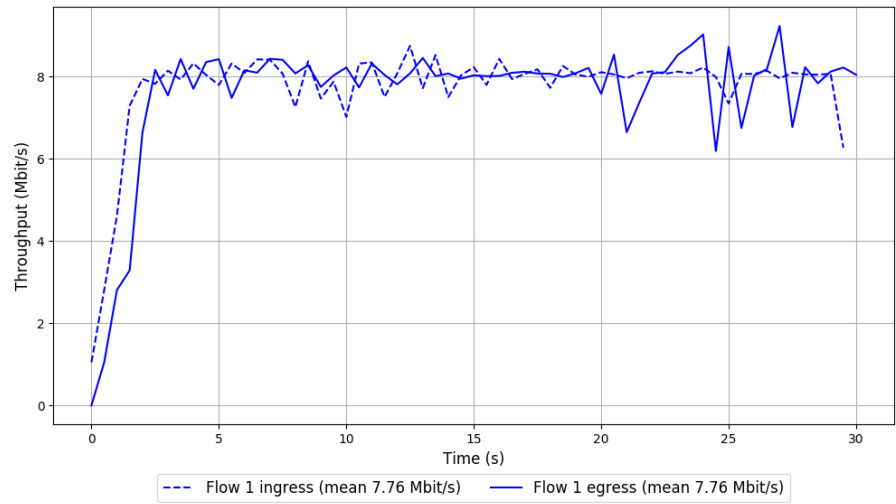


Run 5: Statistics of Sprout

Start at: 2019-02-20 21:15:27
End at: 2019-02-20 21:15:58
Local clock offset: -0.112 ms
Remote clock offset: -0.158 ms

Below is generated by plot.py at 2019-02-20 23:44:37
Datalink statistics
-- Total of 1 flow:
Average throughput: 7.76 Mbit/s
95th percentile per-packet one-way delay: 57.508 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 7.76 Mbit/s
95th percentile per-packet one-way delay: 57.508 ms
Loss rate: 0.00%

Run 5: Report of Sprout — Data Link



Run 1: Statistics of TaoVA-100x

Start at: 2019-02-20 19:04:06

End at: 2019-02-20 19:04:36

Local clock offset: -0.362 ms

Remote clock offset: -0.053 ms

Below is generated by plot.py at 2019-02-20 23:44:37

Datalink statistics

-- Total of 1 flow:

Average throughput: 219.67 Mbit/s

95th percentile per-packet one-way delay: 61.065 ms

Loss rate: 0.01%

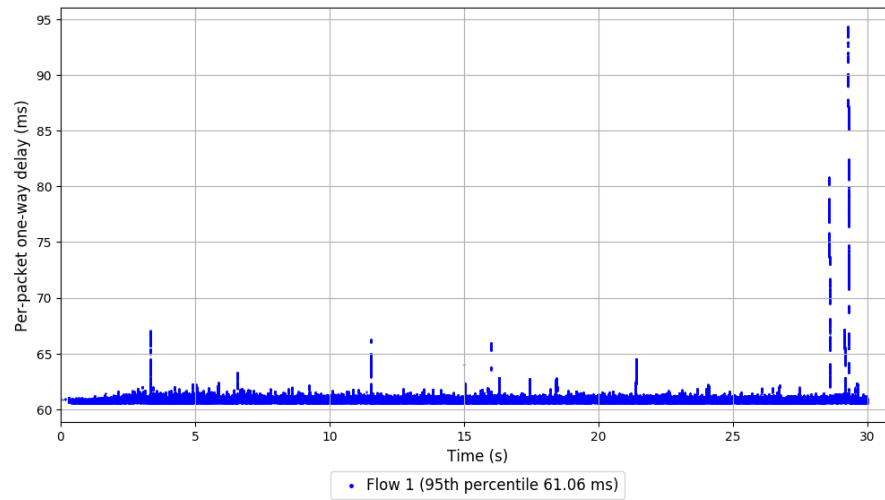
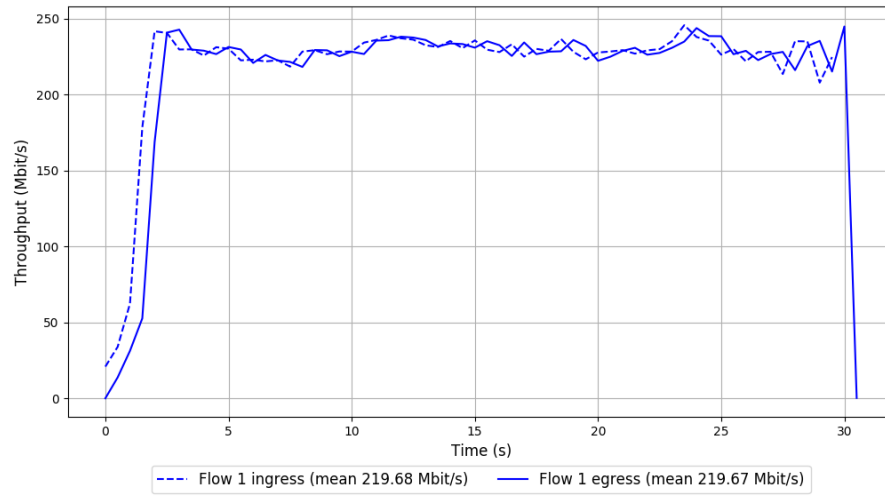
-- Flow 1:

Average throughput: 219.67 Mbit/s

95th percentile per-packet one-way delay: 61.065 ms

Loss rate: 0.01%

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



Run 2: Statistics of TaoVA-100x

Start at: 2019-02-20 19:40:03

End at: 2019-02-20 19:40:33

Local clock offset: -0.068 ms

Remote clock offset: -0.17 ms

Below is generated by plot.py at 2019-02-20 23:44:37

Datalink statistics

-- Total of 1 flow:

Average throughput: 224.95 Mbit/s

95th percentile per-packet one-way delay: 60.569 ms

Loss rate: 0.01%

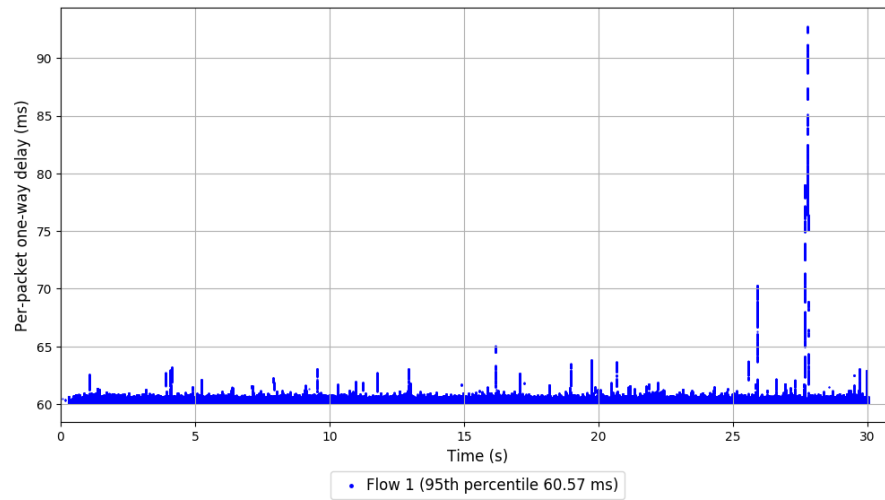
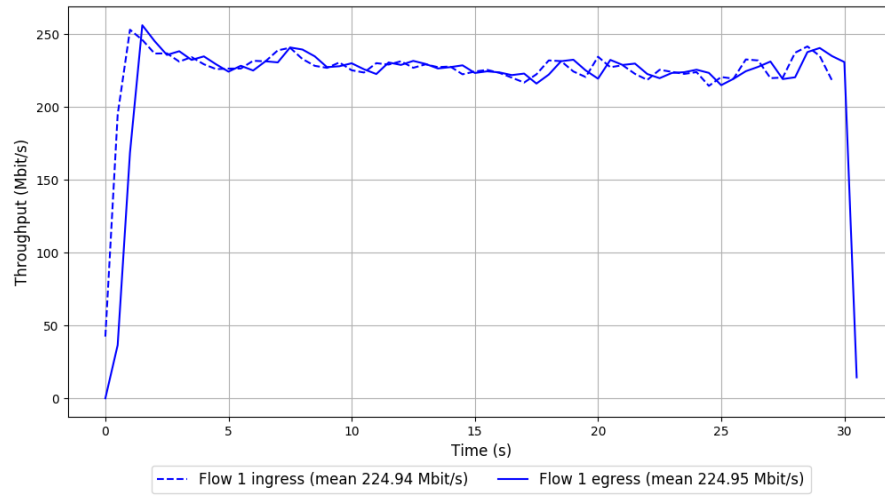
-- Flow 1:

Average throughput: 224.95 Mbit/s

95th percentile per-packet one-way delay: 60.569 ms

Loss rate: 0.01%

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

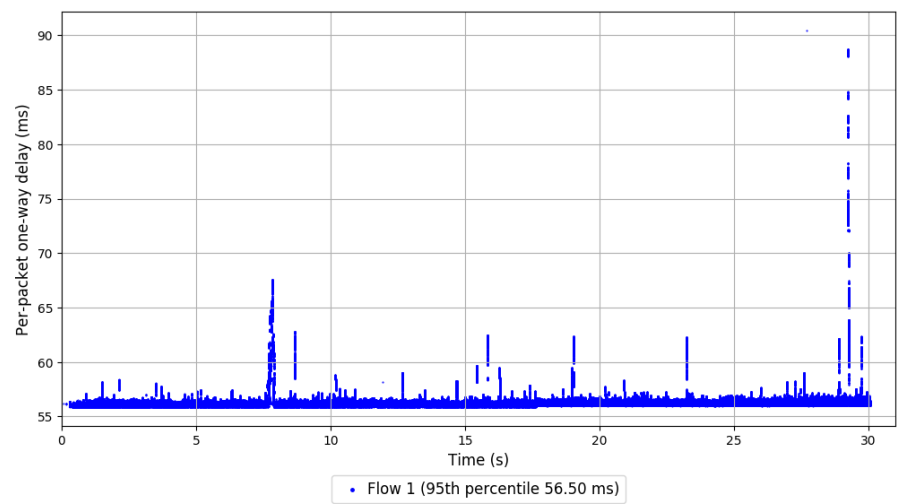
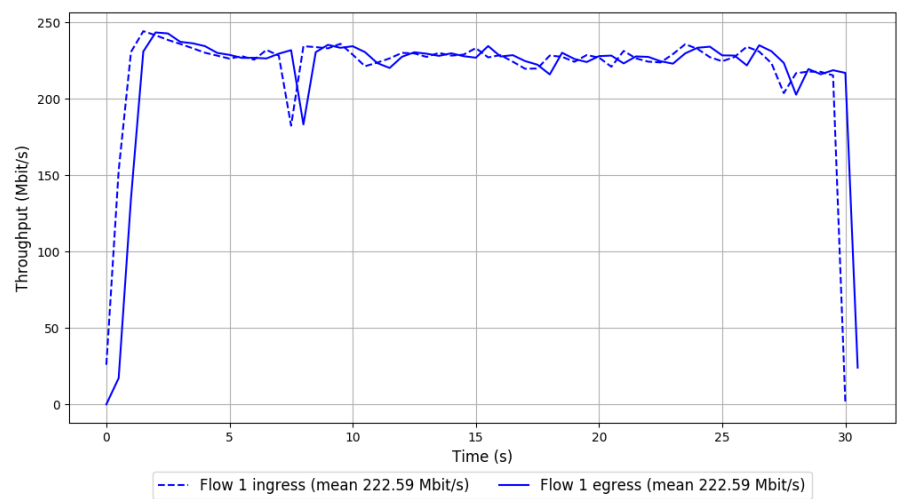


Run 3: Statistics of TaoVA-100x

Start at: 2019-02-20 20:14:51
End at: 2019-02-20 20:15:21
Local clock offset: 0.153 ms
Remote clock offset: -0.917 ms

Below is generated by plot.py at 2019-02-20 23:44:37
Datalink statistics
-- Total of 1 flow:
Average throughput: 222.59 Mbit/s
95th percentile per-packet one-way delay: 56.496 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 222.59 Mbit/s
95th percentile per-packet one-way delay: 56.496 ms
Loss rate: 0.00%

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

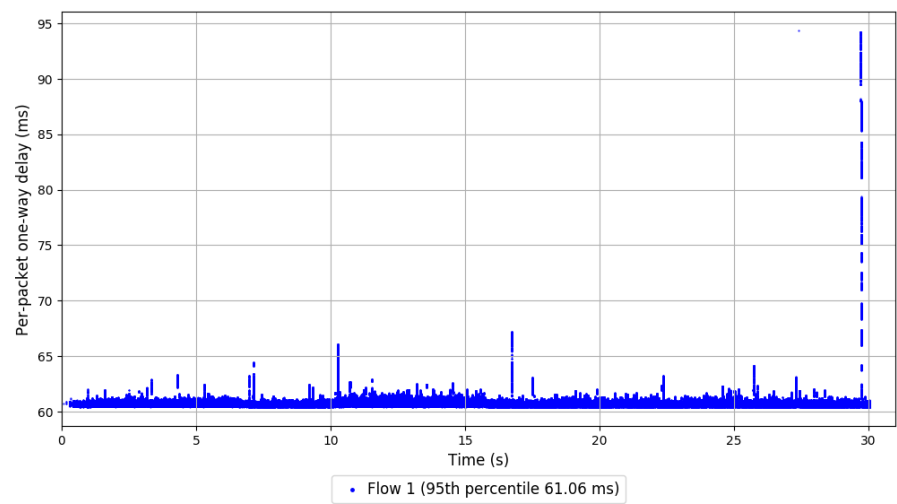
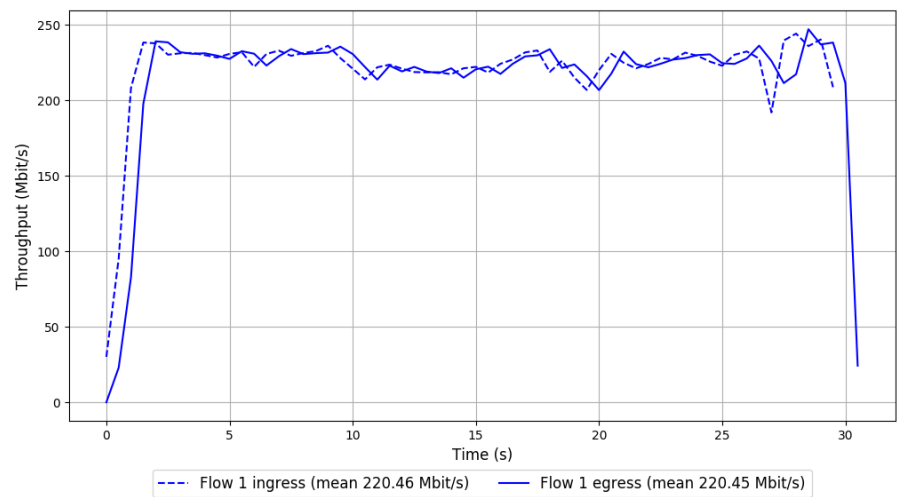


Run 4: Statistics of TaoVA-100x

Start at: 2019-02-20 20:48:42
End at: 2019-02-20 20:49:12
Local clock offset: -0.274 ms
Remote clock offset: -0.355 ms

Below is generated by plot.py at 2019-02-20 23:44:37
Datalink statistics
-- Total of 1 flow:
Average throughput: 220.45 Mbit/s
95th percentile per-packet one-way delay: 61.059 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 220.45 Mbit/s
95th percentile per-packet one-way delay: 61.059 ms
Loss rate: 0.01%

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

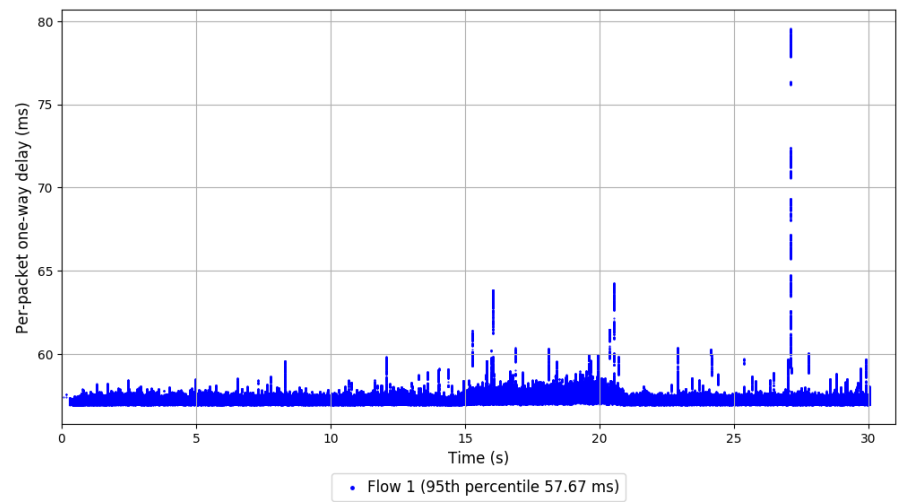
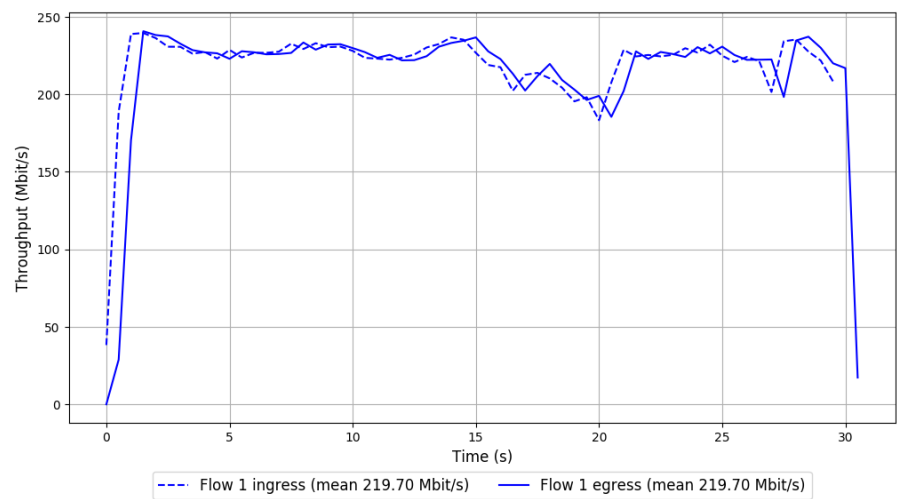


Run 5: Statistics of TaoVA-100x

Start at: 2019-02-20 21:24:19
End at: 2019-02-20 21:24:49
Local clock offset: -0.273 ms
Remote clock offset: -0.088 ms

Below is generated by plot.py at 2019-02-20 23:44:37
Datalink statistics
-- Total of 1 flow:
Average throughput: 219.70 Mbit/s
95th percentile per-packet one-way delay: 57.669 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 219.70 Mbit/s
95th percentile per-packet one-way delay: 57.669 ms
Loss rate: 0.00%

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



Run 1: Statistics of TCP Vegas

Start at: 2019-02-20 19:21:24

End at: 2019-02-20 19:21:54

Local clock offset: -0.056 ms

Remote clock offset: 0.582 ms

Below is generated by plot.py at 2019-02-20 23:46:56

Datalink statistics

-- Total of 1 flow:

Average throughput: 484.45 Mbit/s

95th percentile per-packet one-way delay: 58.901 ms

Loss rate: 0.00%

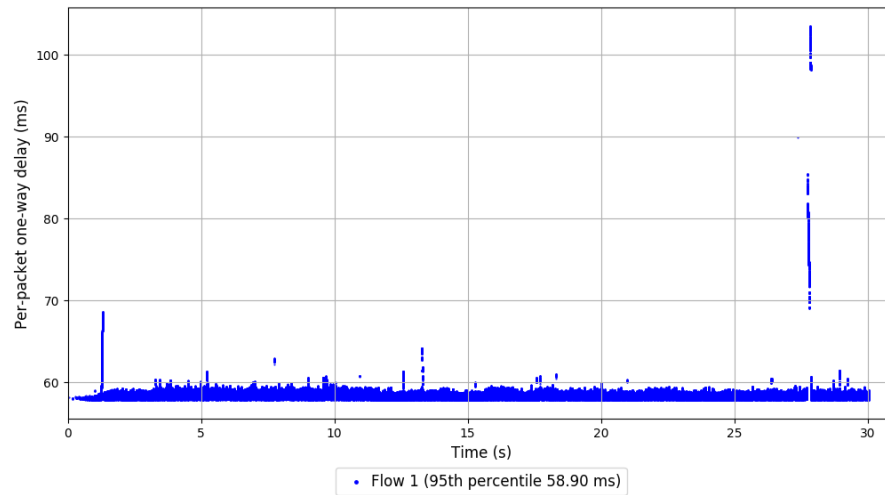
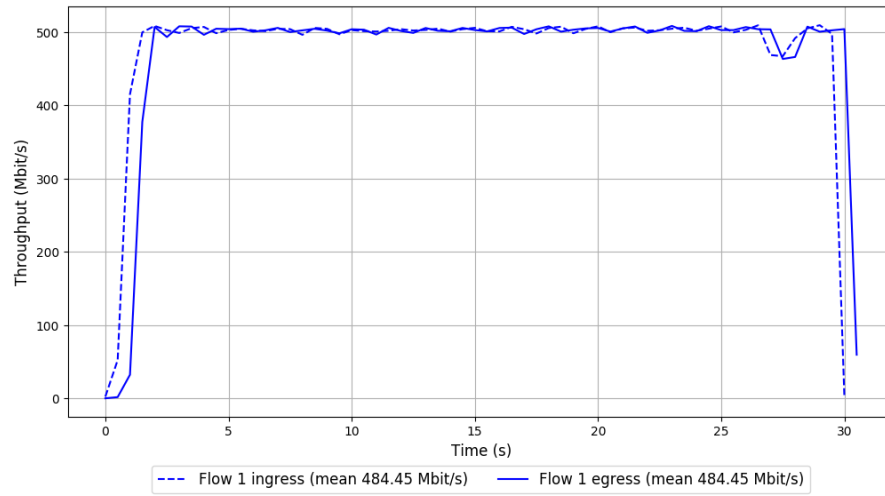
-- Flow 1:

Average throughput: 484.45 Mbit/s

95th percentile per-packet one-way delay: 58.901 ms

Loss rate: 0.00%

Run 1: Report of TCP Vegas — Data Link

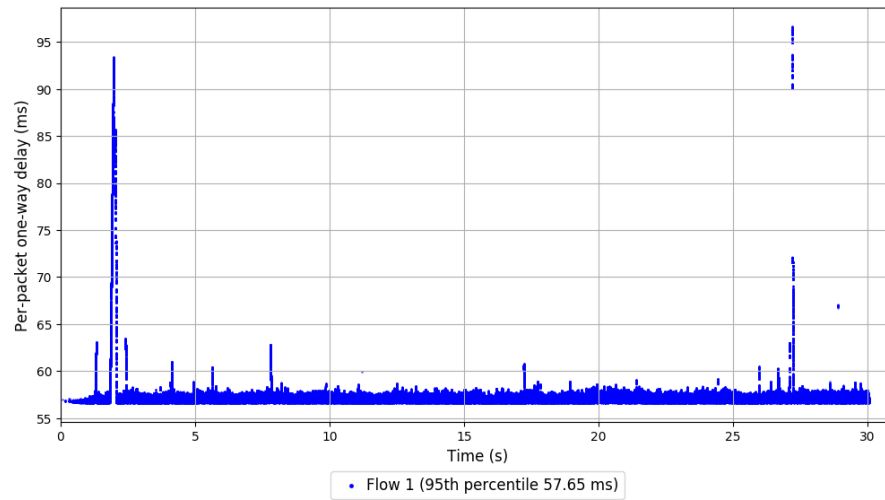
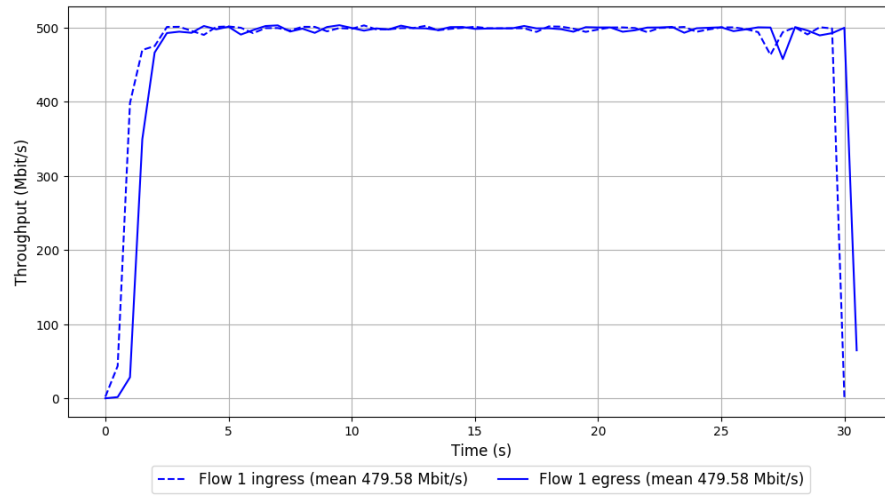


Run 2: Statistics of TCP Vegas

Start at: 2019-02-20 19:57:17
End at: 2019-02-20 19:57:48
Local clock offset: -0.08 ms
Remote clock offset: -0.322 ms

Below is generated by plot.py at 2019-02-20 23:53:34
Datalink statistics
-- Total of 1 flow:
Average throughput: 479.58 Mbit/s
95th percentile per-packet one-way delay: 57.653 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 479.58 Mbit/s
95th percentile per-packet one-way delay: 57.653 ms
Loss rate: 0.00%

Run 2: Report of TCP Vegas — Data Link

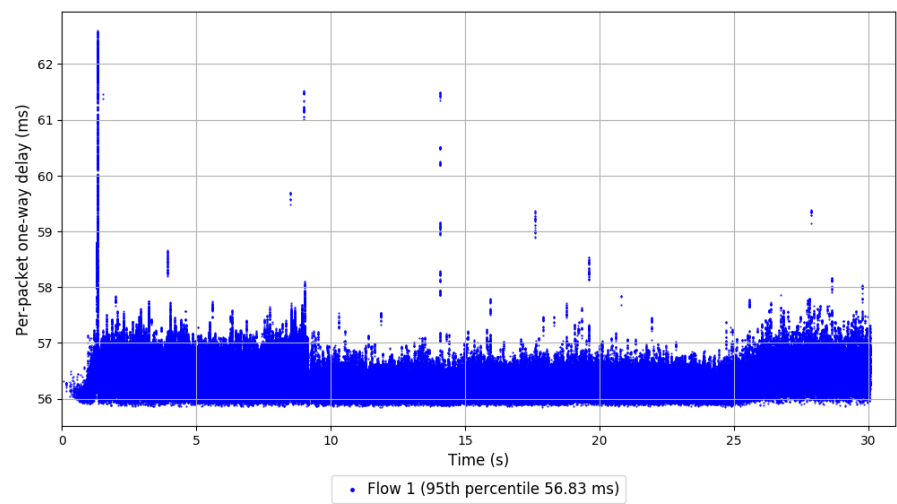
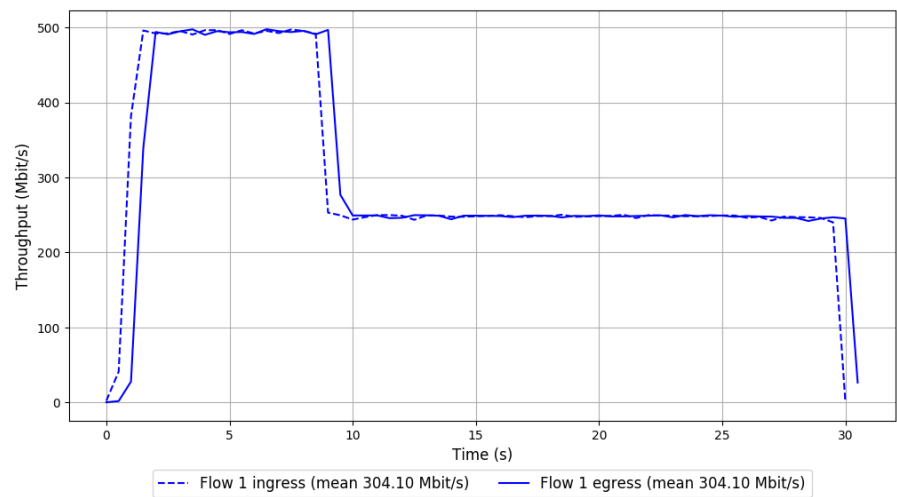


Run 3: Statistics of TCP Vegas

Start at: 2019-02-20 20:31:15
End at: 2019-02-20 20:31:45
Local clock offset: -0.017 ms
Remote clock offset: -1.197 ms

Below is generated by plot.py at 2019-02-20 23:53:34
Datalink statistics
-- Total of 1 flow:
Average throughput: 304.10 Mbit/s
95th percentile per-packet one-way delay: 56.826 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 304.10 Mbit/s
95th percentile per-packet one-way delay: 56.826 ms
Loss rate: 0.00%

Run 3: Report of TCP Vegas — Data Link

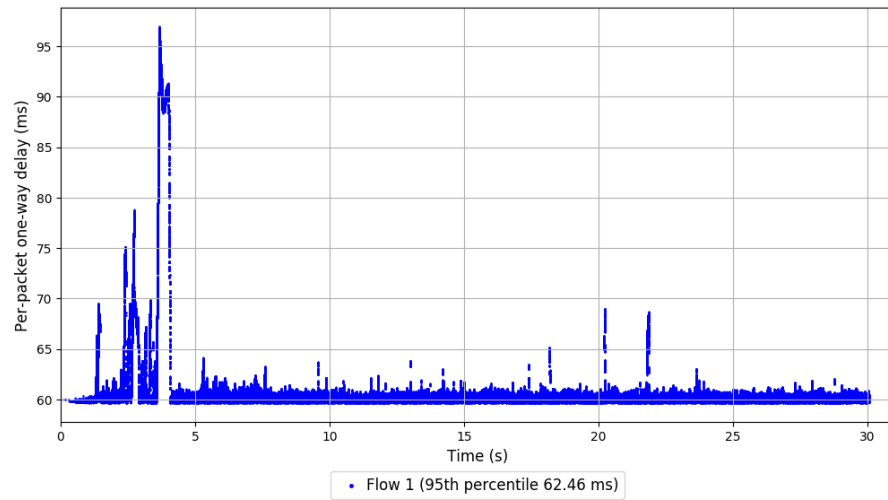
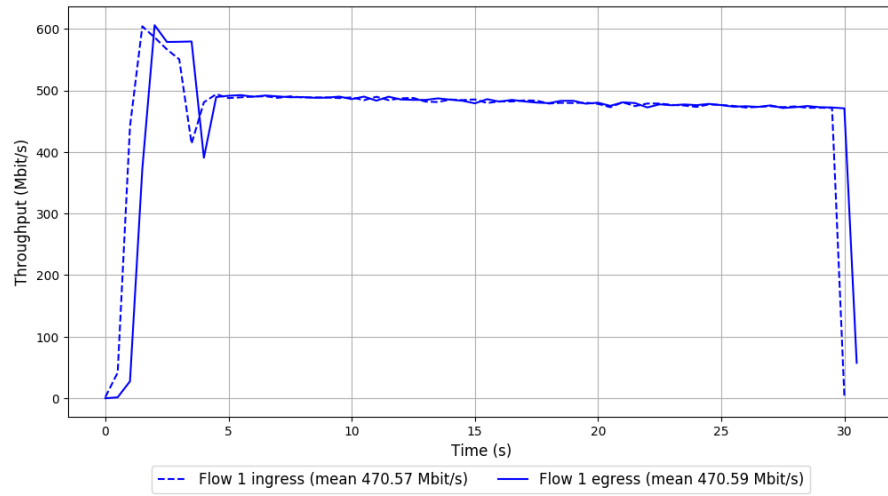


Run 4: Statistics of TCP Vegas

Start at: 2019-02-20 21:05:38
End at: 2019-02-20 21:06:08
Local clock offset: -0.273 ms
Remote clock offset: -0.954 ms

Below is generated by plot.py at 2019-02-20 23:53:37
Datalink statistics
-- Total of 1 flow:
Average throughput: 470.59 Mbit/s
95th percentile per-packet one-way delay: 62.463 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 470.59 Mbit/s
95th percentile per-packet one-way delay: 62.463 ms
Loss rate: 0.01%

Run 4: Report of TCP Vegas — Data Link

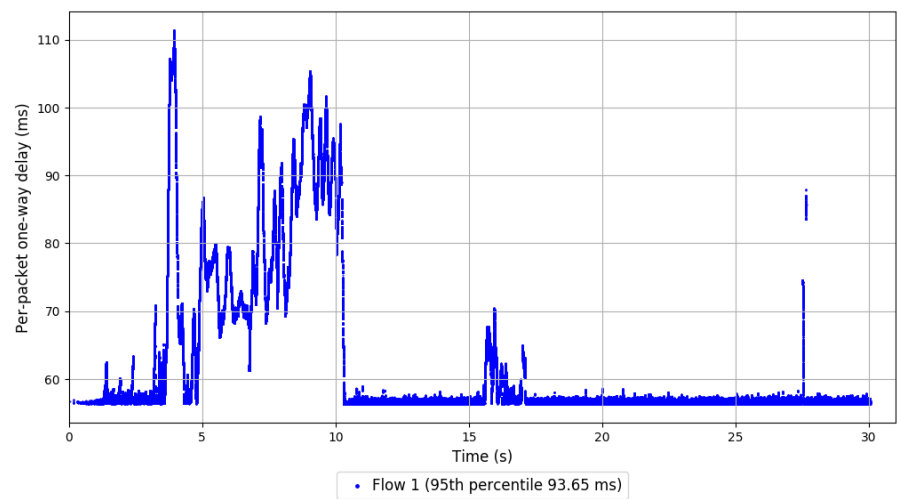
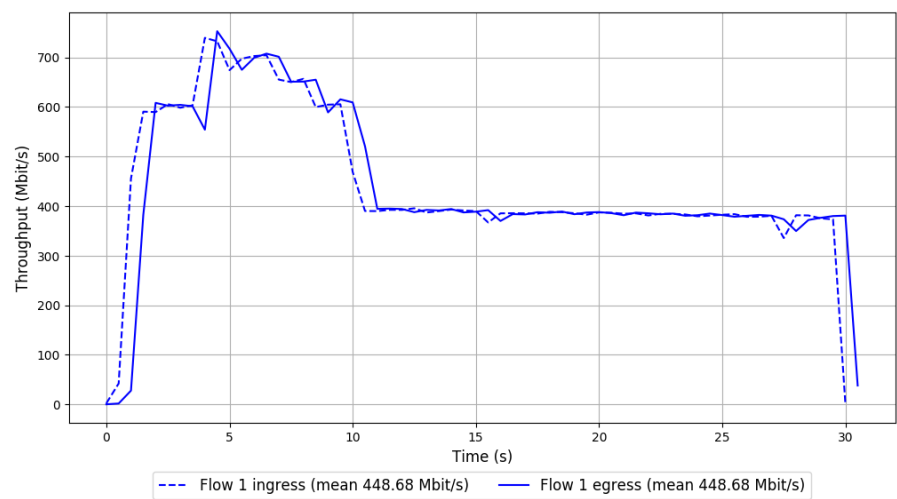


Run 5: Statistics of TCP Vegas

Start at: 2019-02-20 21:41:11
End at: 2019-02-20 21:41:41
Local clock offset: -0.068 ms
Remote clock offset: -0.764 ms

Below is generated by plot.py at 2019-02-20 23:53:37
Datalink statistics
-- Total of 1 flow:
Average throughput: 448.68 Mbit/s
95th percentile per-packet one-way delay: 93.652 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 448.68 Mbit/s
95th percentile per-packet one-way delay: 93.652 ms
Loss rate: 0.00%

Run 5: Report of TCP Vegas — Data Link

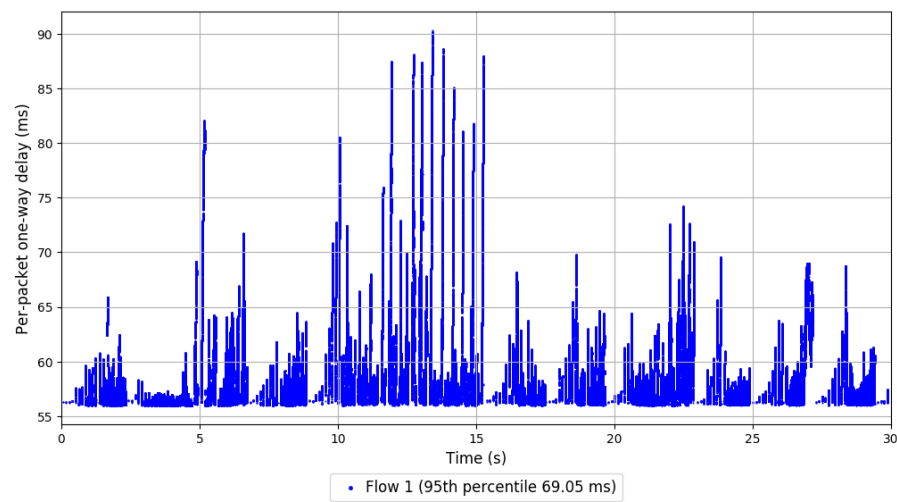
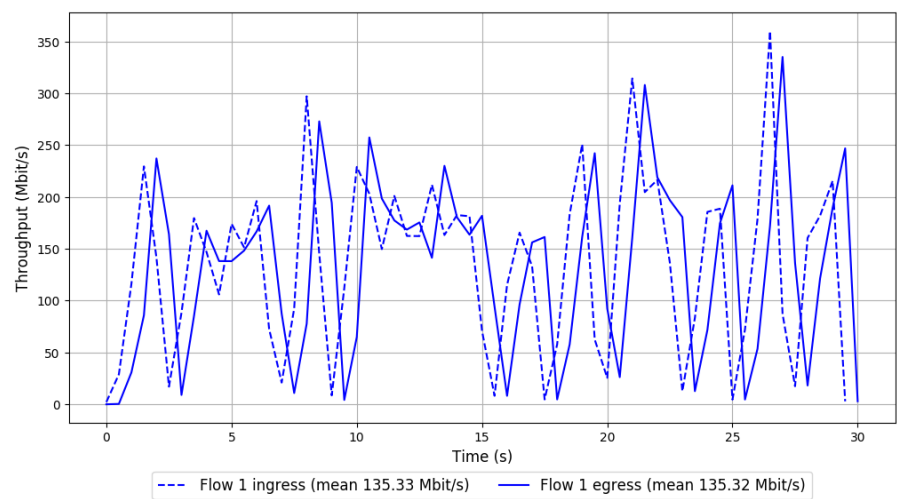


Run 1: Statistics of Verus

Start at: 2019-02-20 18:56:28
End at: 2019-02-20 18:56:58
Local clock offset: -0.459 ms
Remote clock offset: -1.395 ms

Below is generated by plot.py at 2019-02-20 23:53:37
Datalink statistics
-- Total of 1 flow:
Average throughput: 135.32 Mbit/s
95th percentile per-packet one-way delay: 69.048 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 135.32 Mbit/s
95th percentile per-packet one-way delay: 69.048 ms
Loss rate: 0.00%

Run 1: Report of Verus — Data Link

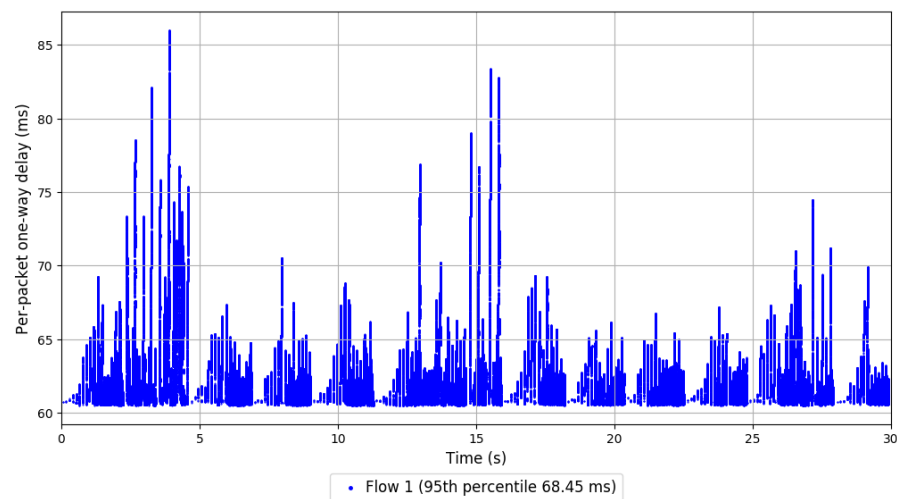
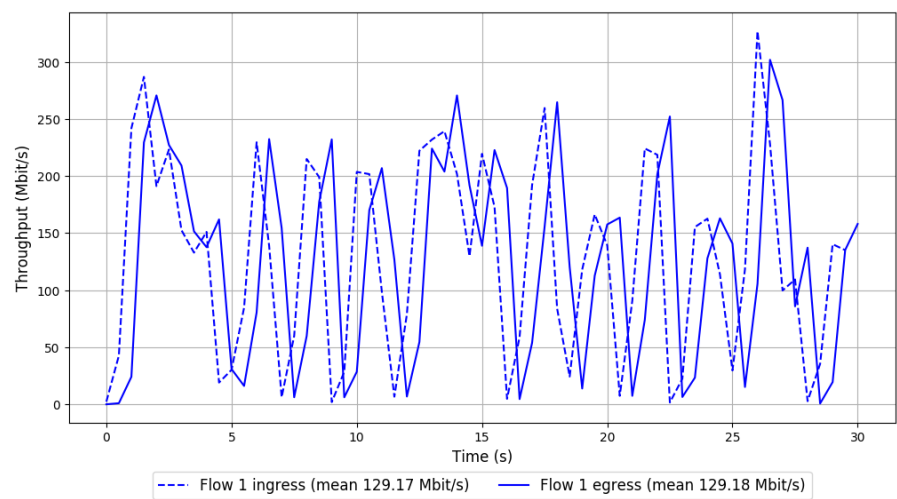


Run 2: Statistics of Verus

Start at: 2019-02-20 19:32:29
End at: 2019-02-20 19:32:59
Local clock offset: -0.042 ms
Remote clock offset: -0.149 ms

Below is generated by plot.py at 2019-02-20 23:53:37
Datalink statistics
-- Total of 1 flow:
Average throughput: 129.18 Mbit/s
95th percentile per-packet one-way delay: 68.449 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 129.18 Mbit/s
95th percentile per-packet one-way delay: 68.449 ms
Loss rate: 0.01%

Run 2: Report of Verus — Data Link



Run 3: Statistics of Verus

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

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

Local clock offset: 0.172 ms

Remote clock offset: 0.465 ms

Below is generated by plot.py at 2019-02-20 23:53:37

Datalink statistics

-- Total of 1 flow:

Average throughput: 187.20 Mbit/s

95th percentile per-packet one-way delay: 186.289 ms

Loss rate: 1.96%

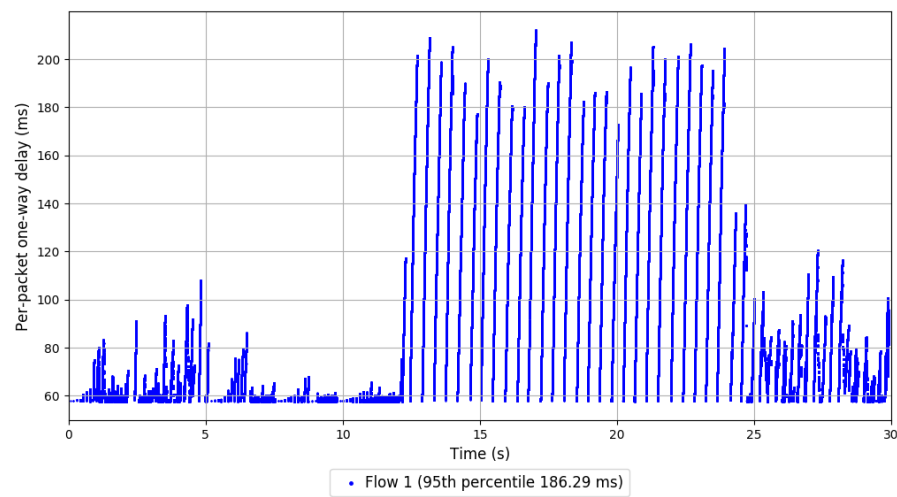
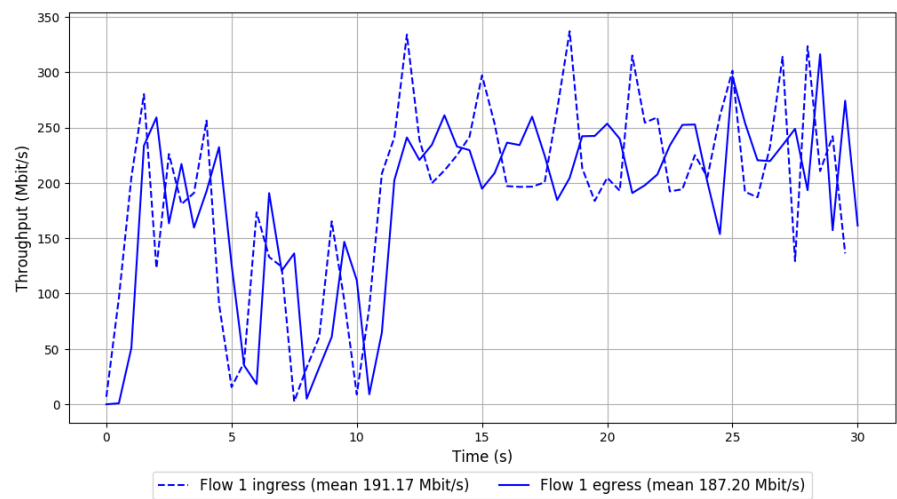
-- Flow 1:

Average throughput: 187.20 Mbit/s

95th percentile per-packet one-way delay: 186.289 ms

Loss rate: 1.96%

Run 3: Report of Verus — Data Link



Run 4: Statistics of Verus

Start at: 2019-02-20 20:41:53

End at: 2019-02-20 20:42:23

Local clock offset: -0.25 ms

Remote clock offset: 0.357 ms

Below is generated by plot.py at 2019-02-20 23:54:06

Datalink statistics

-- Total of 1 flow:

Average throughput: 184.14 Mbit/s

95th percentile per-packet one-way delay: 114.626 ms

Loss rate: 0.02%

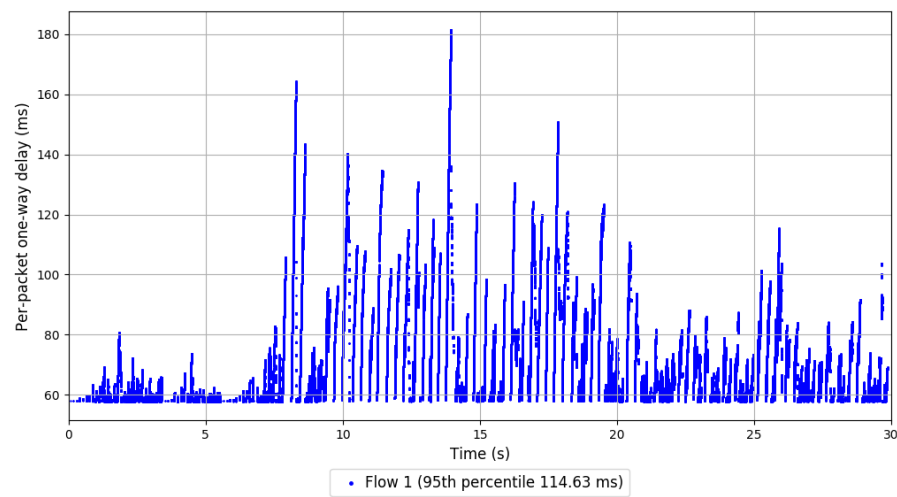
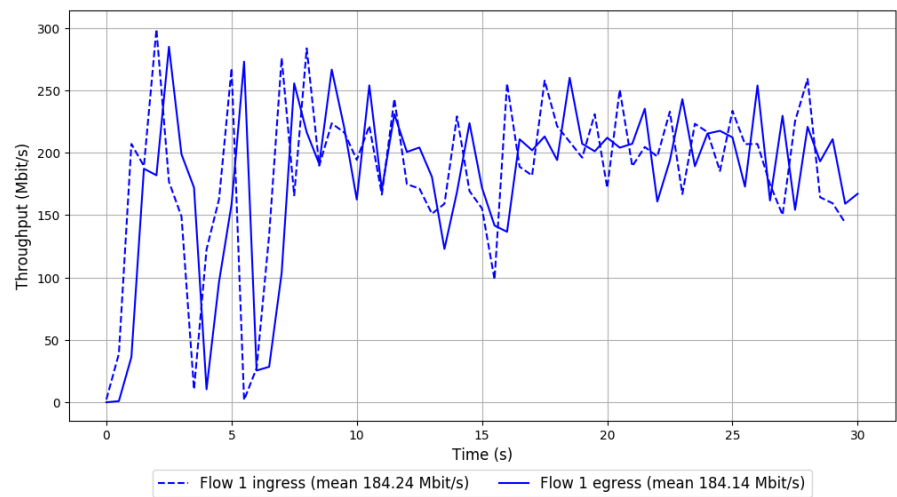
-- Flow 1:

Average throughput: 184.14 Mbit/s

95th percentile per-packet one-way delay: 114.626 ms

Loss rate: 0.02%

Run 4: Report of Verus — Data Link



Run 5: Statistics of Verus

Start at: 2019-02-20 21:16:37

End at: 2019-02-20 21:17:07

Local clock offset: 0.102 ms

Remote clock offset: 0.014 ms

Below is generated by plot.py at 2019-02-20 23:56:09

Datalink statistics

-- Total of 1 flow:

Average throughput: 194.51 Mbit/s

95th percentile per-packet one-way delay: 114.064 ms

Loss rate: 0.15%

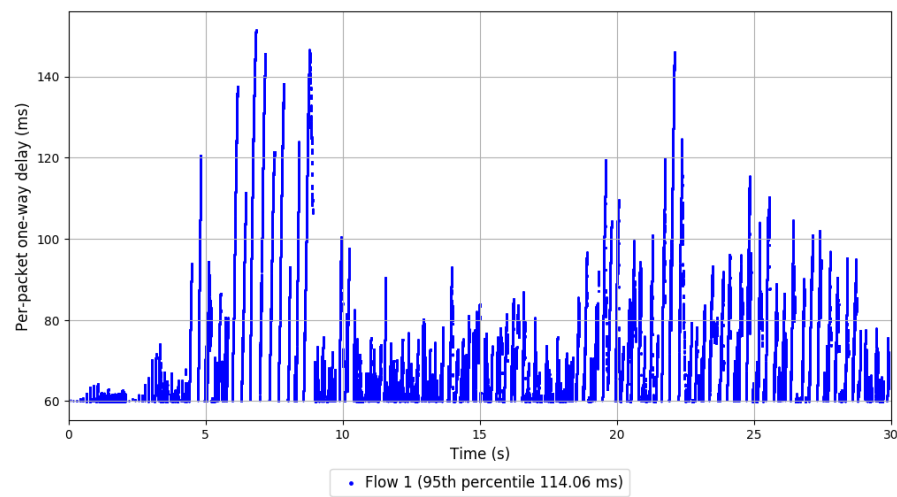
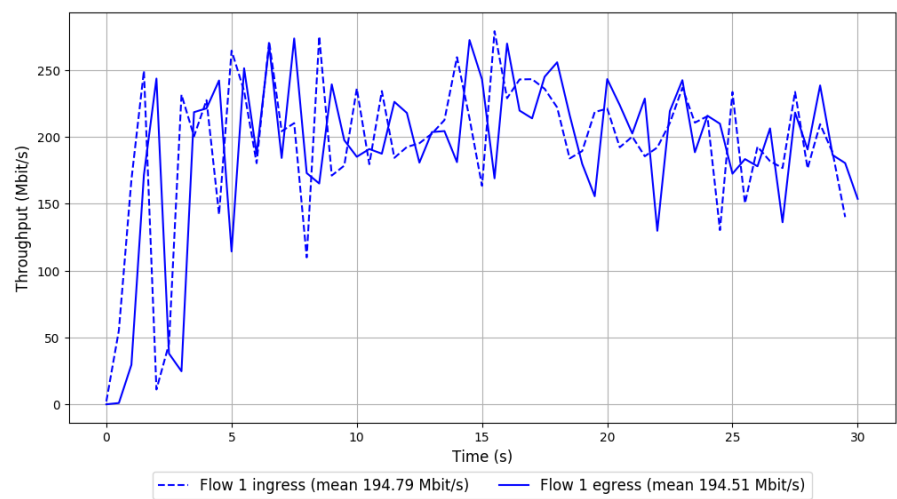
-- Flow 1:

Average throughput: 194.51 Mbit/s

95th percentile per-packet one-way delay: 114.064 ms

Loss rate: 0.15%

Run 5: Report of Verus — Data Link

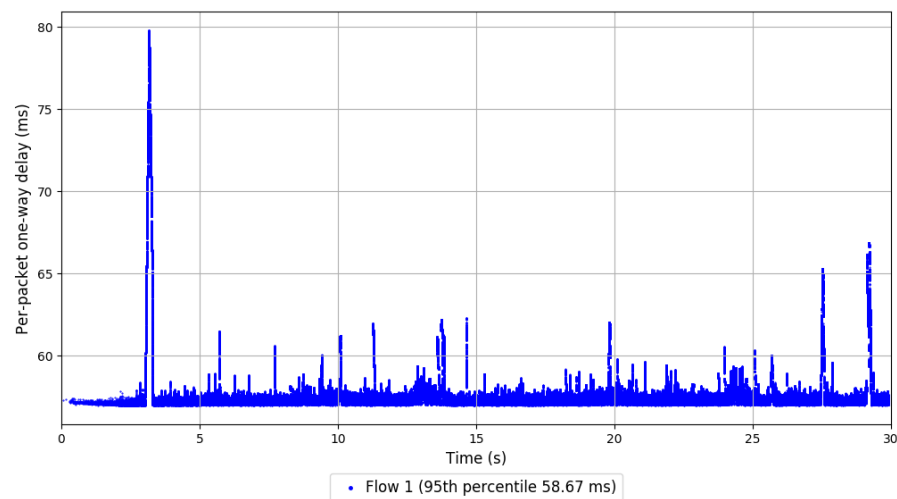
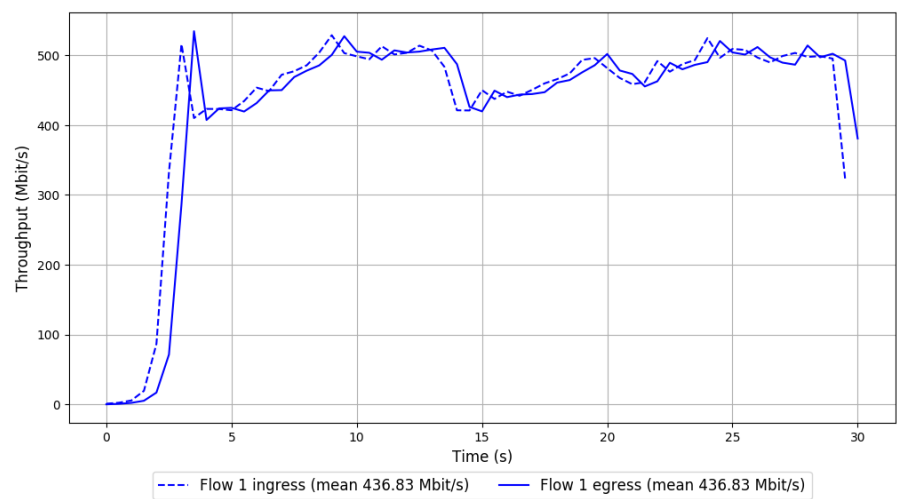


Run 1: Statistics of PCC-Vivace

Start at: 2019-02-20 19:05:47
End at: 2019-02-20 19:06:17
Local clock offset: -0.033 ms
Remote clock offset: -0.007 ms

Below is generated by plot.py at 2019-02-20 23:57:02
Datalink statistics
-- Total of 1 flow:
Average throughput: 436.83 Mbit/s
95th percentile per-packet one-way delay: 58.675 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 436.83 Mbit/s
95th percentile per-packet one-way delay: 58.675 ms
Loss rate: 0.00%

Run 1: Report of PCC-Vivace — Data Link

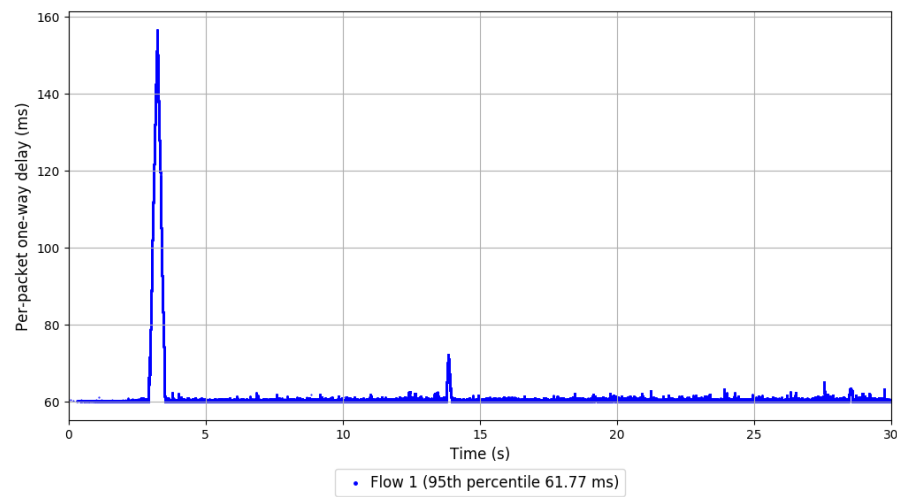
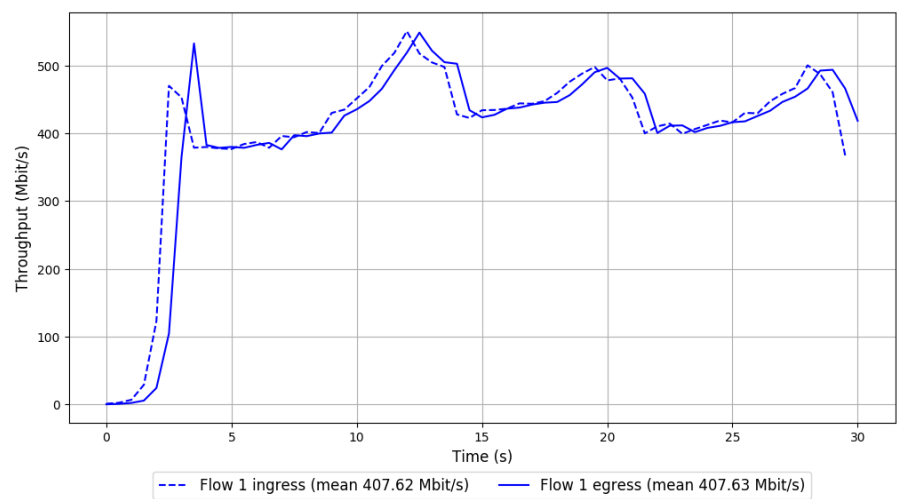


Run 2: Statistics of PCC-Vivace

Start at: 2019-02-20 19:41:45
End at: 2019-02-20 19:42:15
Local clock offset: -0.062 ms
Remote clock offset: -0.202 ms

Below is generated by plot.py at 2019-02-20 23:57:08
Datalink statistics
-- Total of 1 flow:
Average throughput: 407.63 Mbit/s
95th percentile per-packet one-way delay: 61.775 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 407.63 Mbit/s
95th percentile per-packet one-way delay: 61.775 ms
Loss rate: 0.01%

Run 2: Report of PCC-Vivace — Data Link

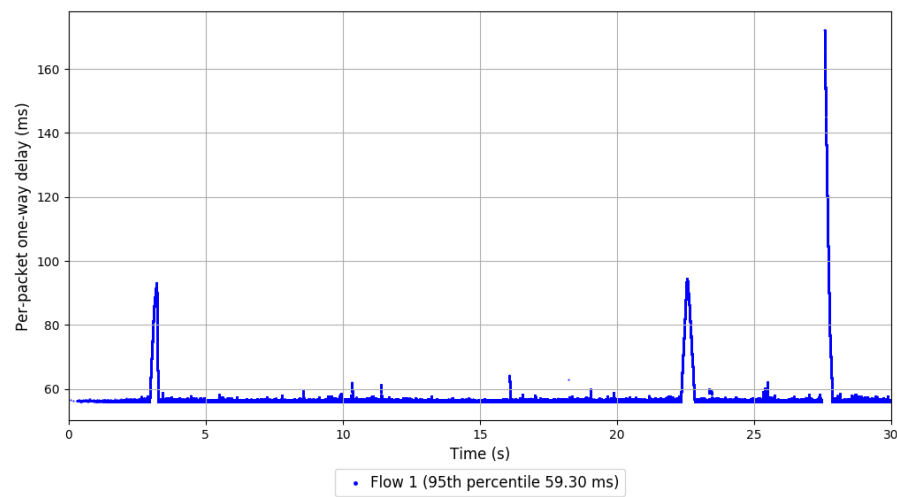
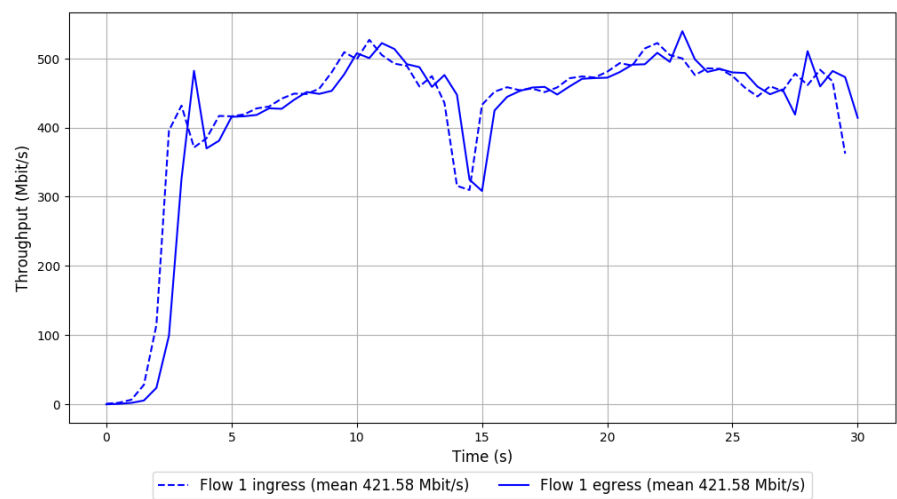


Run 3: Statistics of PCC-Vivace

Start at: 2019-02-20 20:16:34
End at: 2019-02-20 20:17:04
Local clock offset: -0.121 ms
Remote clock offset: -0.927 ms

Below is generated by plot.py at 2019-02-20 23:57:55
Datalink statistics
-- Total of 1 flow:
Average throughput: 421.58 Mbit/s
95th percentile per-packet one-way delay: 59.301 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 421.58 Mbit/s
95th percentile per-packet one-way delay: 59.301 ms
Loss rate: 0.00%

Run 3: Report of PCC-Vivace — Data Link

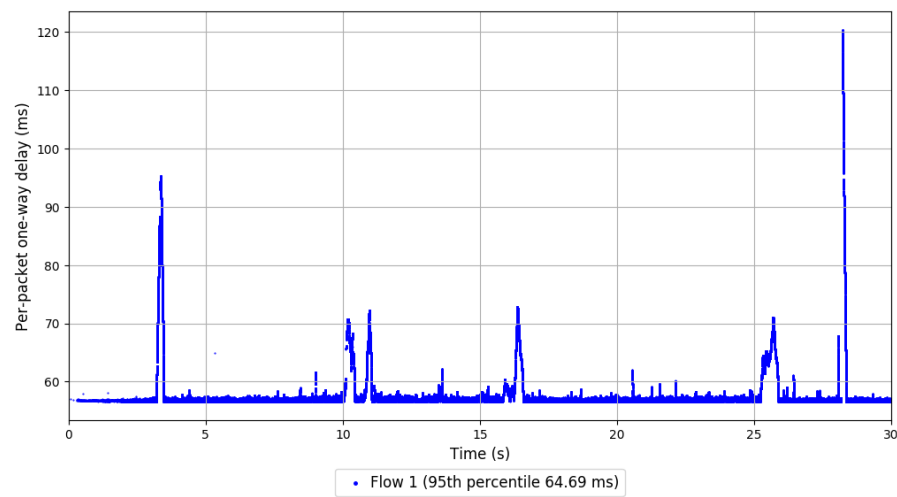
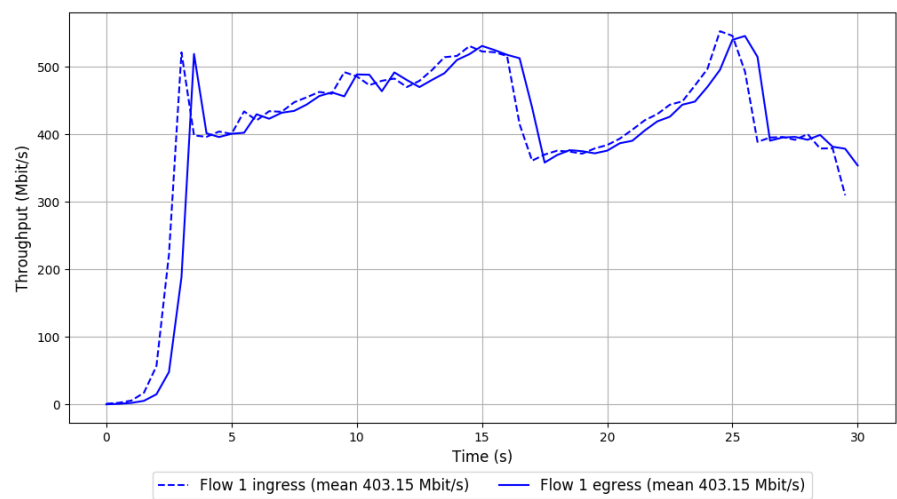


Run 4: Statistics of PCC-Vivace

Start at: 2019-02-20 20:50:21
End at: 2019-02-20 20:50:51
Local clock offset: -0.683 ms
Remote clock offset: -0.864 ms

Below is generated by plot.py at 2019-02-20 23:58:03
Datalink statistics
-- Total of 1 flow:
Average throughput: 403.15 Mbit/s
95th percentile per-packet one-way delay: 64.686 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 403.15 Mbit/s
95th percentile per-packet one-way delay: 64.686 ms
Loss rate: 0.00%

Run 4: Report of PCC-Vivace — Data Link

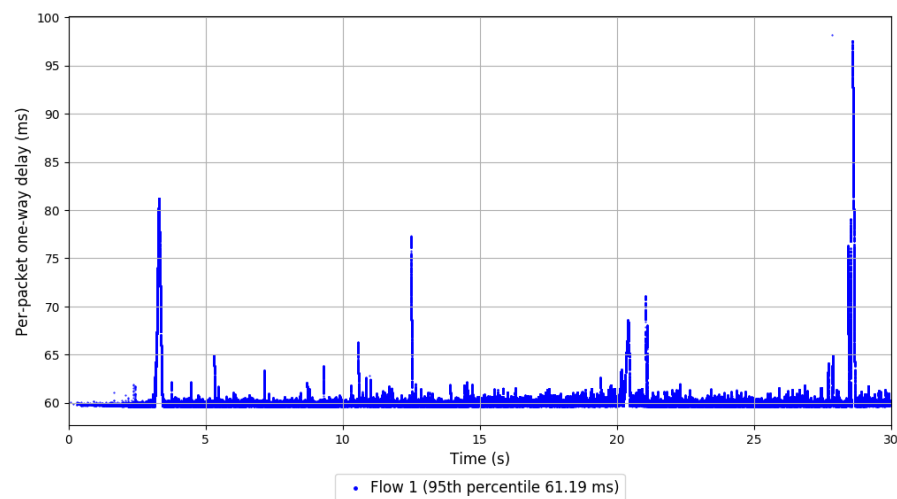
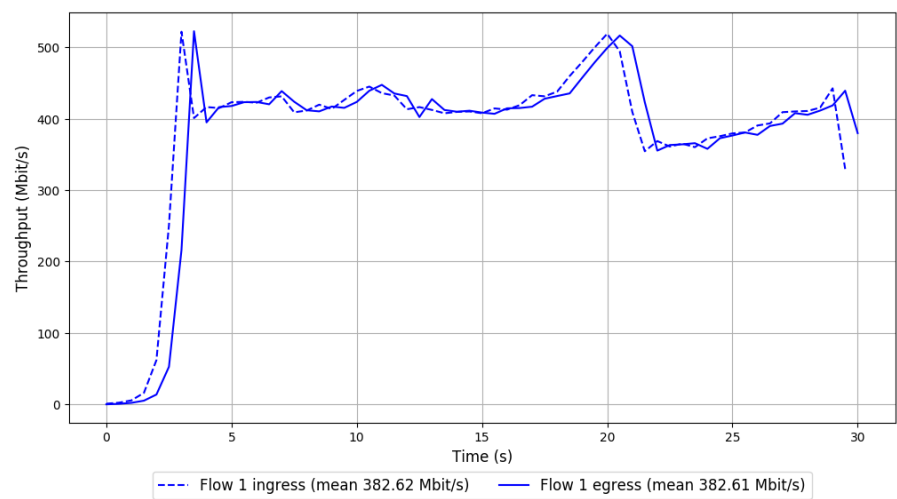


Run 5: Statistics of PCC-Vivace

Start at: 2019-02-20 21:25:50
End at: 2019-02-20 21:26:20
Local clock offset: -0.366 ms
Remote clock offset: -0.722 ms

Below is generated by plot.py at 2019-02-20 23:58:03
Datalink statistics
-- Total of 1 flow:
Average throughput: 382.61 Mbit/s
95th percentile per-packet one-way delay: 61.193 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 382.61 Mbit/s
95th percentile per-packet one-way delay: 61.193 ms
Loss rate: 0.01%

Run 5: Report of PCC-Vivace — Data Link



Run 1: Statistics of WebRTC media

Start at: 2019-02-20 19:17:13

End at: 2019-02-20 19:17:43

Local clock offset: 0.109 ms

Remote clock offset: 0.523 ms

Below is generated by plot.py at 2019-02-20 23:58:03

Datalink statistics

-- Total of 1 flow:

Average throughput: 2.09 Mbit/s

95th percentile per-packet one-way delay: 57.895 ms

Loss rate: 0.00%

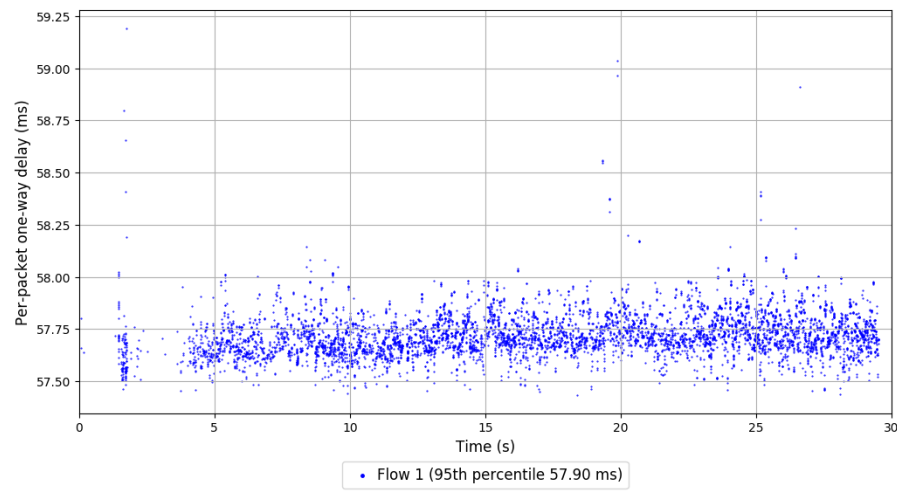
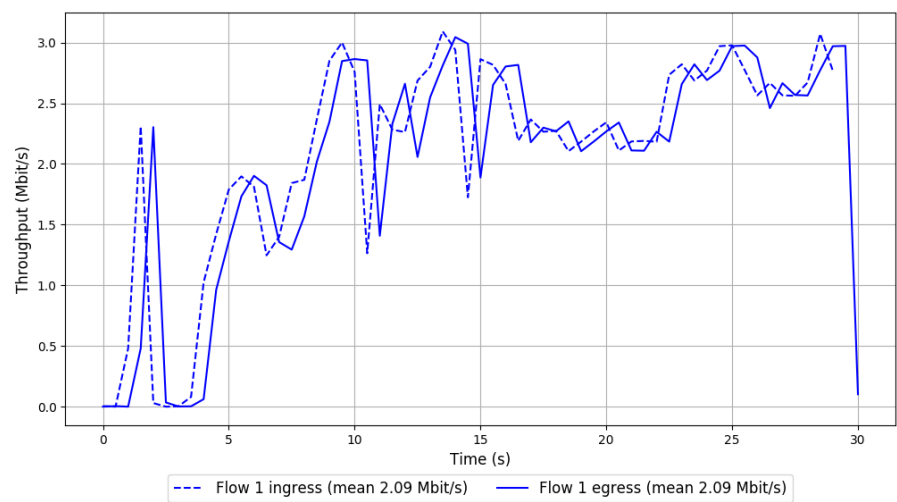
-- Flow 1:

Average throughput: 2.09 Mbit/s

95th percentile per-packet one-way delay: 57.895 ms

Loss rate: 0.00%

Run 1: Report of WebRTC media — Data Link



Run 2: Statistics of WebRTC media

Start at: 2019-02-20 19:53:09

End at: 2019-02-20 19:53:39

Local clock offset: -0.137 ms

Remote clock offset: 0.554 ms

Below is generated by plot.py at 2019-02-20 23:58:03

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.05 Mbit/s

95th percentile per-packet one-way delay: 57.850 ms

Loss rate: 0.00%

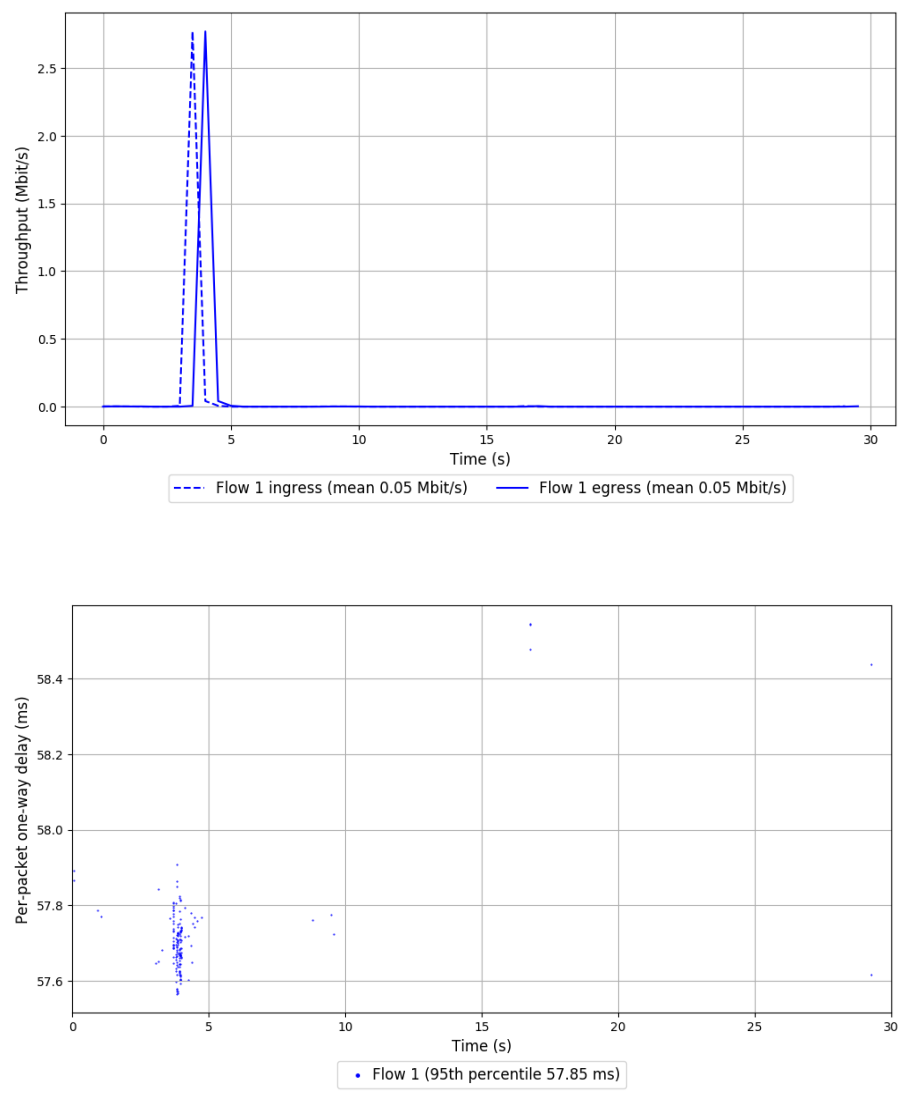
-- Flow 1:

Average throughput: 0.05 Mbit/s

95th percentile per-packet one-way delay: 57.850 ms

Loss rate: 0.00%

Run 2: Report of WebRTC media — Data Link



Run 3: Statistics of WebRTC media

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

End at: 2019-02-20 20:27:37

Local clock offset: 0.109 ms

Remote clock offset: 0.521 ms

Below is generated by plot.py at 2019-02-20 23:58:03

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.05 Mbit/s

95th percentile per-packet one-way delay: 57.681 ms

Loss rate: 0.00%

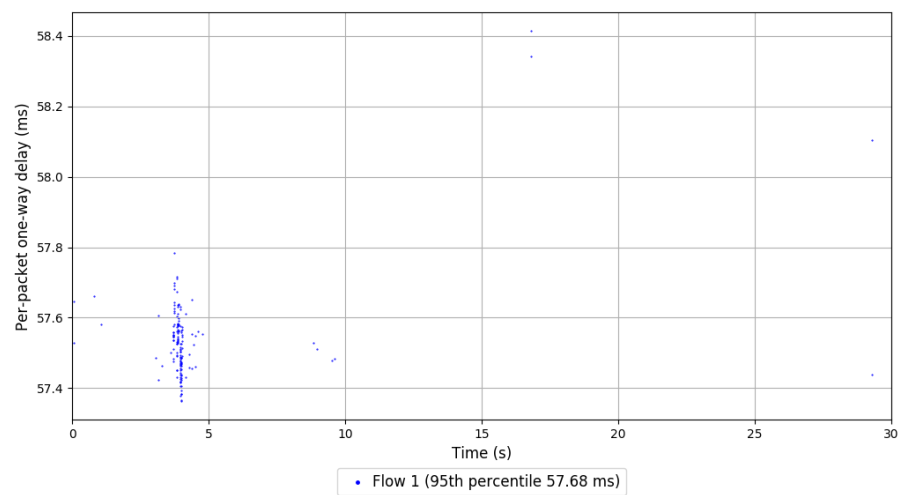
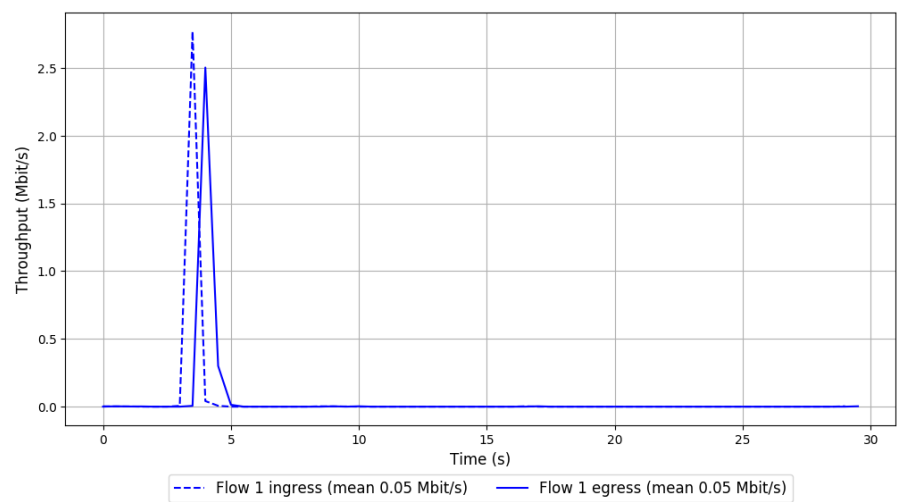
-- Flow 1:

Average throughput: 0.05 Mbit/s

95th percentile per-packet one-way delay: 57.681 ms

Loss rate: 0.00%

Run 3: Report of WebRTC media — Data Link



Run 4: Statistics of WebRTC media

Start at: 2019-02-20 21:01:21

End at: 2019-02-20 21:01:51

Local clock offset: 0.132 ms

Remote clock offset: 0.724 ms

Below is generated by plot.py at 2019-02-20 23:58:03

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.05 Mbit/s

95th percentile per-packet one-way delay: 57.486 ms

Loss rate: 0.00%

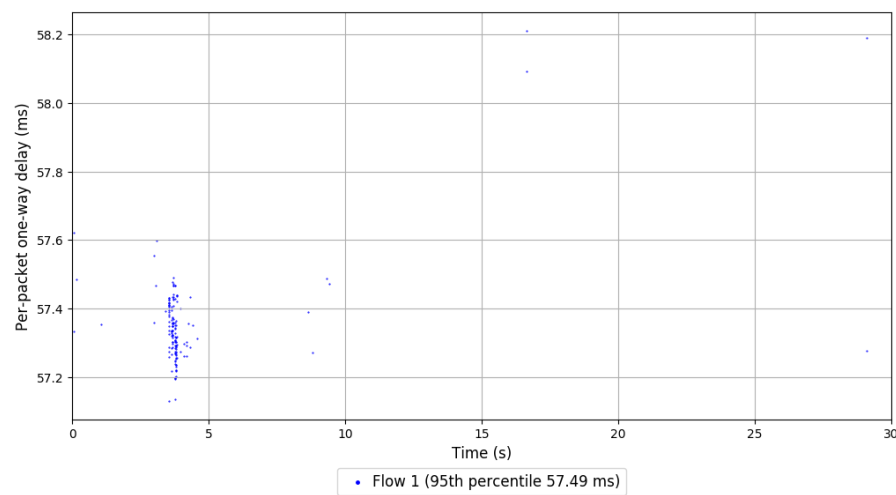
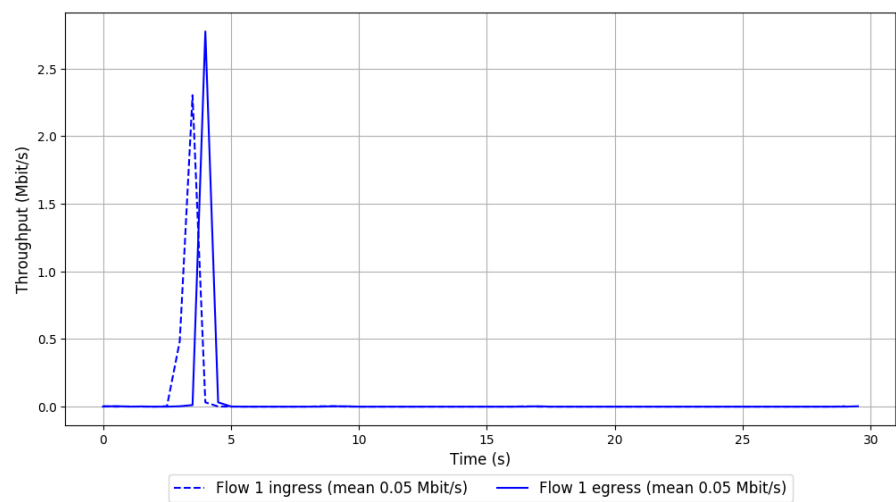
-- Flow 1:

Average throughput: 0.05 Mbit/s

95th percentile per-packet one-way delay: 57.486 ms

Loss rate: 0.00%

Run 4: Report of WebRTC media — Data Link



Run 5: Statistics of WebRTC media

Start at: 2019-02-20 21:37:01
End at: 2019-02-20 21:37:31
Local clock offset: -0.517 ms
Remote clock offset: -0.323 ms

Below is generated by plot.py at 2019-02-20 23:58:03
Datalink statistics
-- Total of 1 flow:
Average throughput: 2.25 Mbit/s
95th percentile per-packet one-way delay: 57.454 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.25 Mbit/s
95th percentile per-packet one-way delay: 57.454 ms
Loss rate: 0.00%

Run 5: Report of WebRTC media — Data Link

