

Pantheon Report

Generated at 2019-02-12 03:59:27 (UTC).

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

Repeated the test of 21 congestion control schemes 5 times.

Each test lasted for 30 seconds running 1 flow.

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

System info:

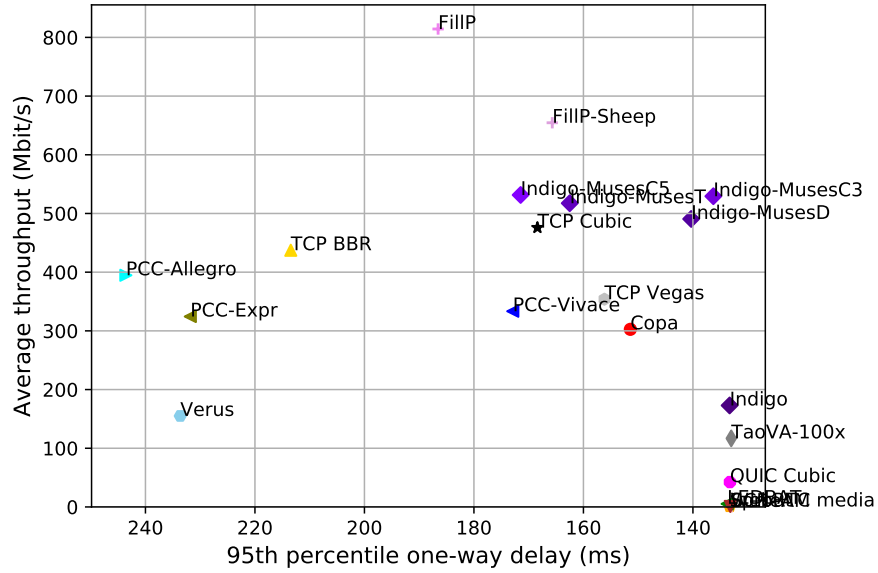
```
Linux 4.15.0-1026-gcp
net.core.default_qdisc = fq
net.core.rmem_default = 16777216
net.core.rmem_max = 536870912
net.core.wmem_default = 16777216
net.core.wmem_max = 536870912
net.ipv4.tcp_rmem = 4096 16777216 536870912
net.ipv4.tcp_wmem = 4096 16777216 536870912
```

Git summary:

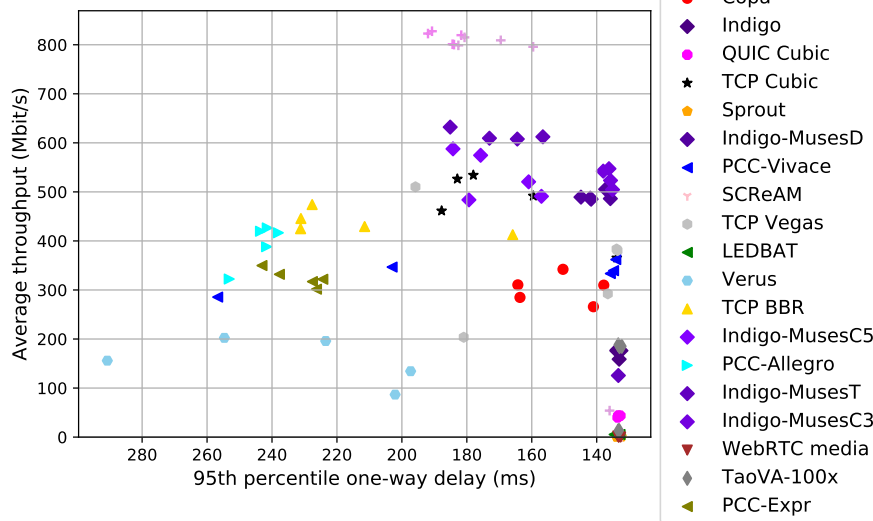
```
branch: muses @ 7a686f7c2ed0a333082c0bab1fa5c921ab47e6ee
third_party/fillp @ d6da1459332fcee56963885d7eba17e6a32d4519
third_party/fillp-sheep @ 0e5bb722943babcd2b090d2c64fcd45e12e923f9
third_party/genericCC @ d0153f8e594aa89e93b032143cedbdf58e562f4
third_party/indigo @ 2601c92e4aa9d58d38dc4dfe0ecd9c077e64d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

third_party/webrtc @ 3f0cc2a9061a41b6f9dde4735770d143a1fa2851

test from GCE Sydney to GCE London, 5 runs of 30s each per scheme
(mean of all runs by scheme)



test from GCE Sydney to GCE London, 5 runs of 30s each per scheme



scheme	# runs	mean avg tput (Mbit/s) flow 1	mean 95th-%ile delay (ms) flow 1	mean loss rate (%) flow 1
TCP BBR	5	437.39	213.45	0.59
Copa	5	302.61	151.43	0.00
TCP Cubic	5	475.84	168.40	0.03
FillP	5	814.29	186.55	1.20
FillP-Sheep	5	654.56	165.69	0.42
Indigo	5	172.93	133.30	0.00
Indigo-MusesC3	4	529.38	136.27	0.09
Indigo-MusesC5	5	531.53	171.47	0.29
Indigo-MusesD	5	490.67	140.32	0.03
Indigo-MusesT	5	517.46	162.50	0.01
LEDBAT	5	5.29	133.75	0.00
PCC-Allegro	5	394.69	243.57	3.12
PCC-Expr	5	324.45	231.81	3.64
QUIC Cubic	4	42.40	133.24	0.00
SCReAM	5	0.15	133.00	0.00
Sprout	5	0.69	133.28	0.00
TaoVA-100x	5	116.80	133.00	0.00
TCP Vegas	5	353.95	156.17	0.06
Verus	5	155.04	233.64	4.63
PCC-Vivace	5	333.42	172.91	0.09
WebRTC media	5	0.83	133.18	0.00

Run 1: Statistics of TCP BBR

Start at: 2019-02-11 22:57:34

End at: 2019-02-11 22:58:04

Local clock offset: -0.106 ms

Remote clock offset: -0.019 ms

Below is generated by plot.py at 2019-02-12 02:02:08

Datalink statistics

-- Total of 1 flow:

Average throughput: 429.36 Mbit/s

95th percentile per-packet one-way delay: 211.479 ms

Loss rate: 0.60%

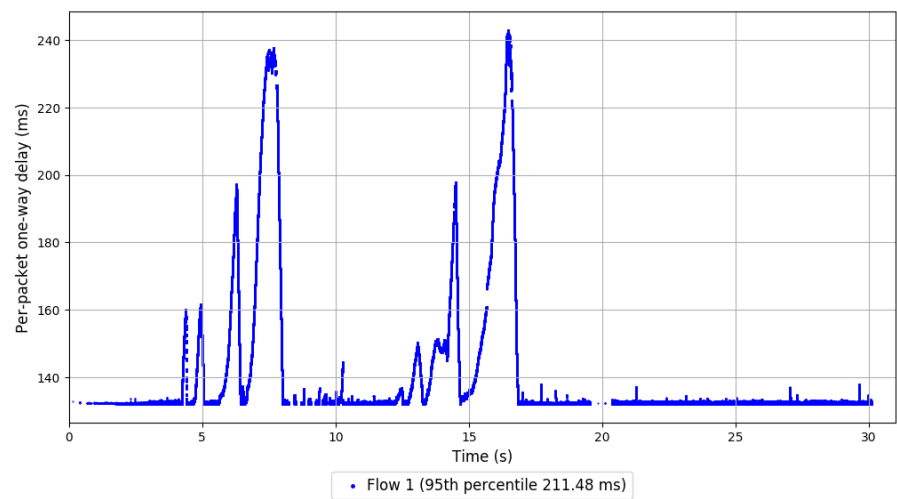
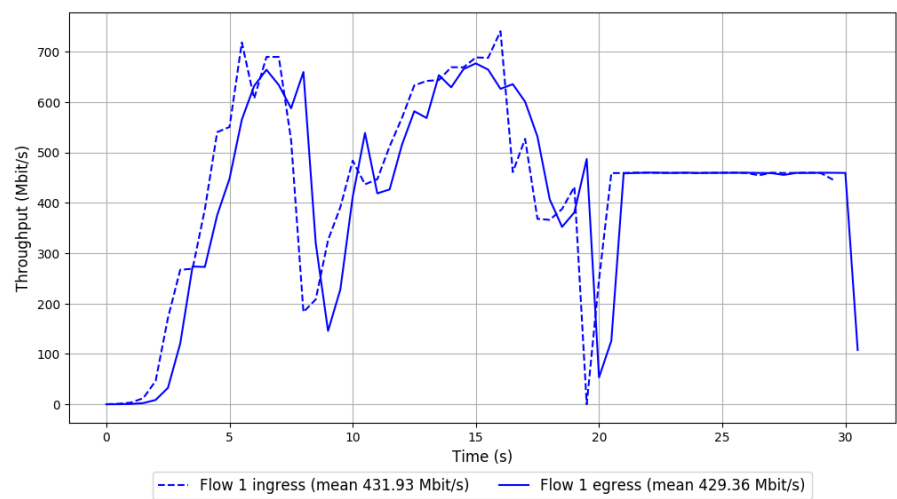
-- Flow 1:

Average throughput: 429.36 Mbit/s

95th percentile per-packet one-way delay: 211.479 ms

Loss rate: 0.60%

Run 1: Report of TCP BBR — Data Link



Run 2: Statistics of TCP BBR

Start at: 2019-02-11 23:30:05

End at: 2019-02-11 23:30:36

Local clock offset: -0.222 ms

Remote clock offset: -0.04 ms

Below is generated by plot.py at 2019-02-12 02:03:30

Datalink statistics

-- Total of 1 flow:

Average throughput: 474.22 Mbit/s

95th percentile per-packet one-way delay: 227.632 ms

Loss rate: 0.70%

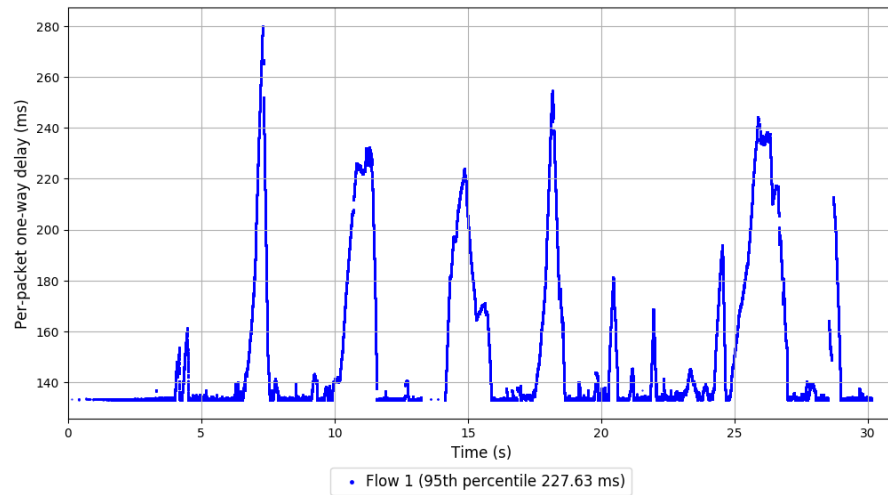
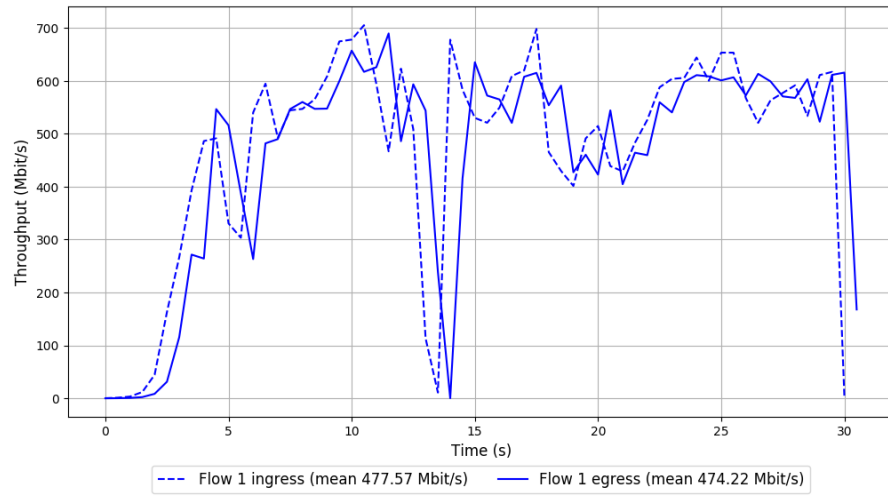
-- Flow 1:

Average throughput: 474.22 Mbit/s

95th percentile per-packet one-way delay: 227.632 ms

Loss rate: 0.70%

Run 2: Report of TCP BBR — Data Link

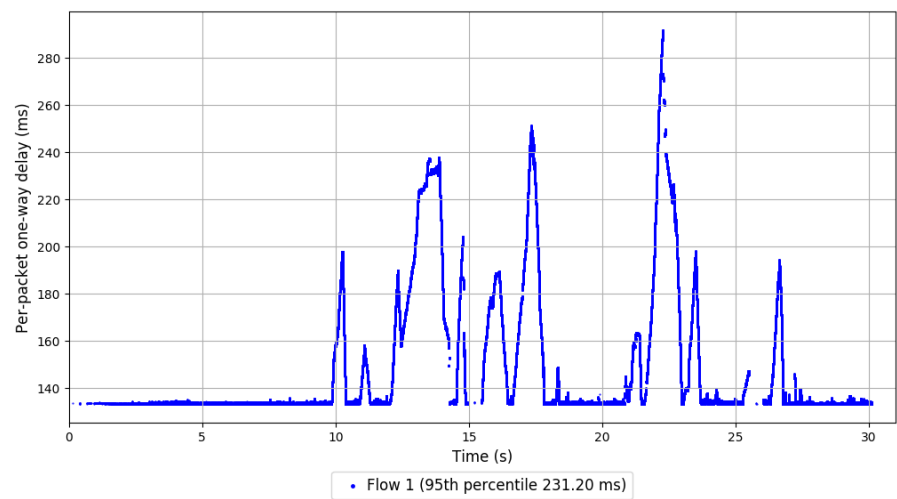
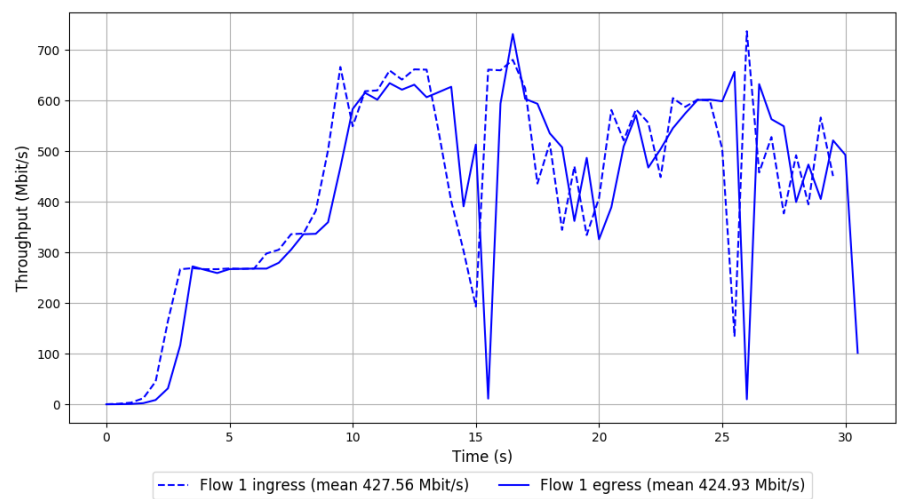


Run 3: Statistics of TCP BBR

Start at: 2019-02-12 00:06:26
End at: 2019-02-12 00:06:56
Local clock offset: -0.427 ms
Remote clock offset: -0.116 ms

Below is generated by plot.py at 2019-02-12 02:03:30
Datalink statistics
-- Total of 1 flow:
Average throughput: 424.93 Mbit/s
95th percentile per-packet one-way delay: 231.196 ms
Loss rate: 0.61%
-- Flow 1:
Average throughput: 424.93 Mbit/s
95th percentile per-packet one-way delay: 231.196 ms
Loss rate: 0.61%

Run 3: Report of TCP BBR — Data Link

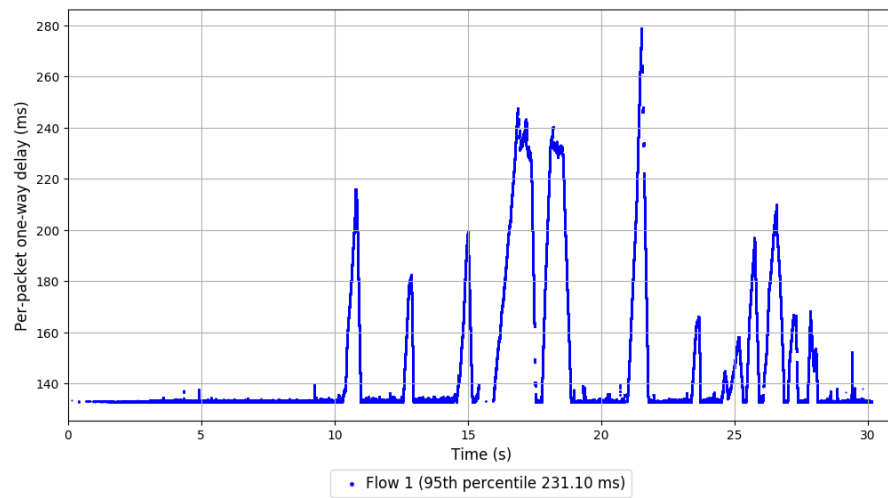
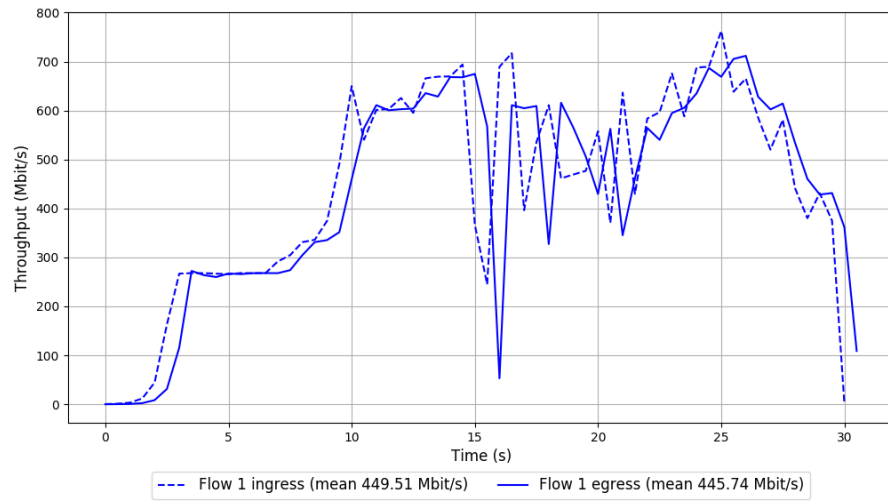


Run 4: Statistics of TCP BBR

Start at: 2019-02-12 00:42:17
End at: 2019-02-12 00:42:47
Local clock offset: 0.012 ms
Remote clock offset: -0.201 ms

Below is generated by plot.py at 2019-02-12 02:03:30
Datalink statistics
-- Total of 1 flow:
Average throughput: 445.74 Mbit/s
95th percentile per-packet one-way delay: 231.097 ms
Loss rate: 0.84%
-- Flow 1:
Average throughput: 445.74 Mbit/s
95th percentile per-packet one-way delay: 231.097 ms
Loss rate: 0.84%

Run 4: Report of TCP BBR — Data Link



Run 5: Statistics of TCP BBR

Start at: 2019-02-12 01:18:53

End at: 2019-02-12 01:19:23

Local clock offset: 0.07 ms

Remote clock offset: -0.25 ms

Below is generated by plot.py at 2019-02-12 02:03:30

Datalink statistics

-- Total of 1 flow:

Average throughput: 412.71 Mbit/s

95th percentile per-packet one-way delay: 165.867 ms

Loss rate: 0.19%

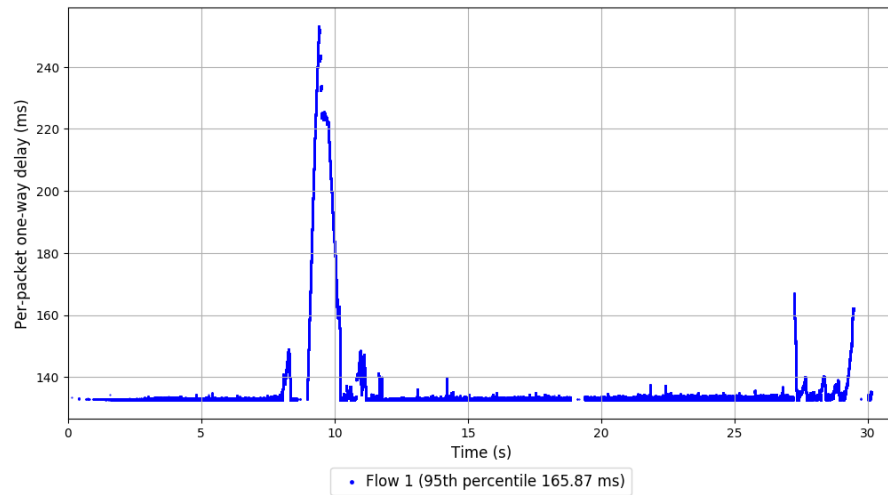
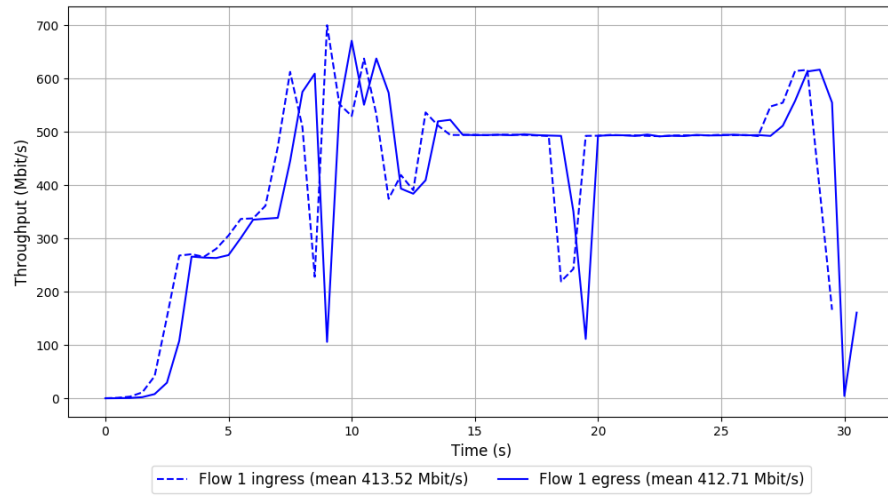
-- Flow 1:

Average throughput: 412.71 Mbit/s

95th percentile per-packet one-way delay: 165.867 ms

Loss rate: 0.19%

Run 5: Report of TCP BBR — Data Link



Run 1: Statistics of Copa

Start at: 2019-02-11 23:01:57

End at: 2019-02-11 23:02:27

Local clock offset: -0.006 ms

Remote clock offset: 0.007 ms

Below is generated by plot.py at 2019-02-12 02:06:14

Datalink statistics

-- Total of 1 flow:

Average throughput: 342.12 Mbit/s

95th percentile per-packet one-way delay: 150.385 ms

Loss rate: 0.00%

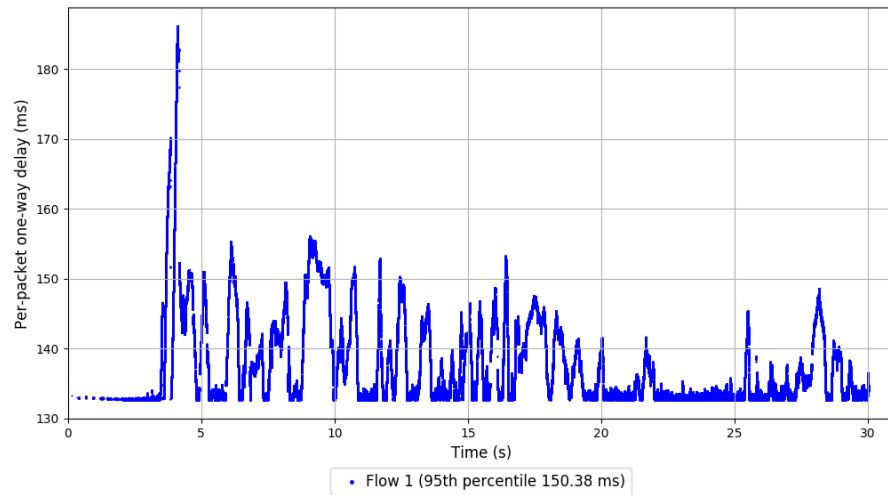
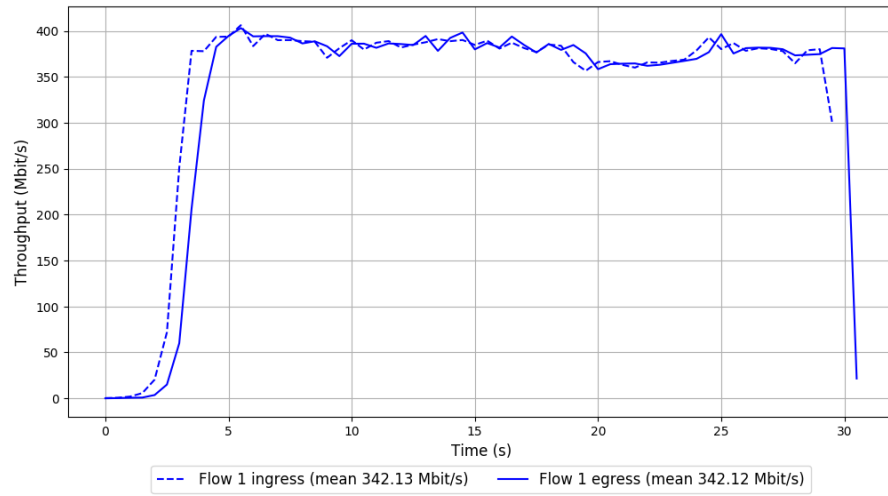
-- Flow 1:

Average throughput: 342.12 Mbit/s

95th percentile per-packet one-way delay: 150.385 ms

Loss rate: 0.00%

Run 1: Report of Copa — Data Link

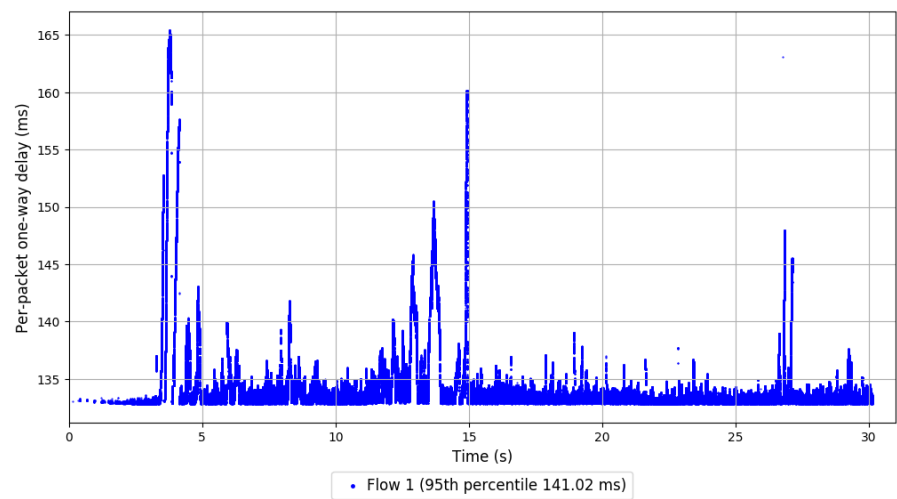
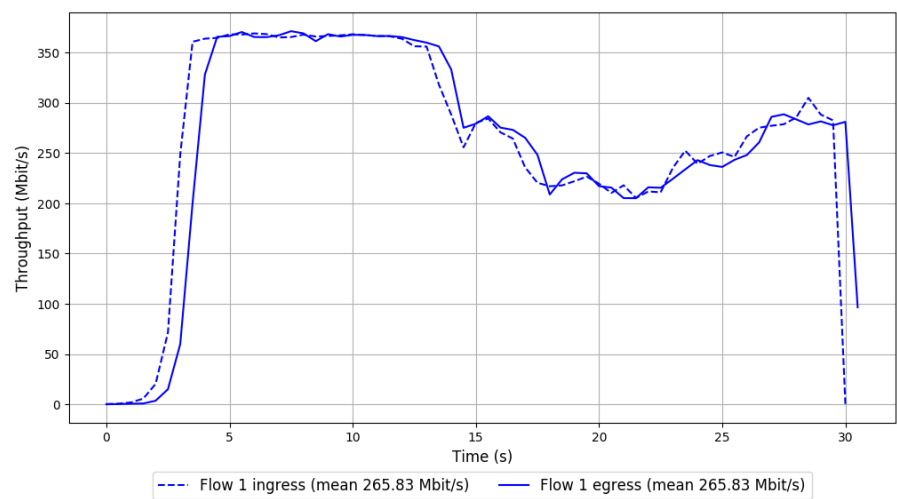


Run 2: Statistics of Copa

Start at: 2019-02-11 23:35:23
End at: 2019-02-11 23:35:53
Local clock offset: -0.051 ms
Remote clock offset: -0.034 ms

Below is generated by plot.py at 2019-02-12 02:06:14
Datalink statistics
-- Total of 1 flow:
Average throughput: 265.83 Mbit/s
95th percentile per-packet one-way delay: 141.016 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 265.83 Mbit/s
95th percentile per-packet one-way delay: 141.016 ms
Loss rate: 0.00%

Run 2: Report of Copa — Data Link

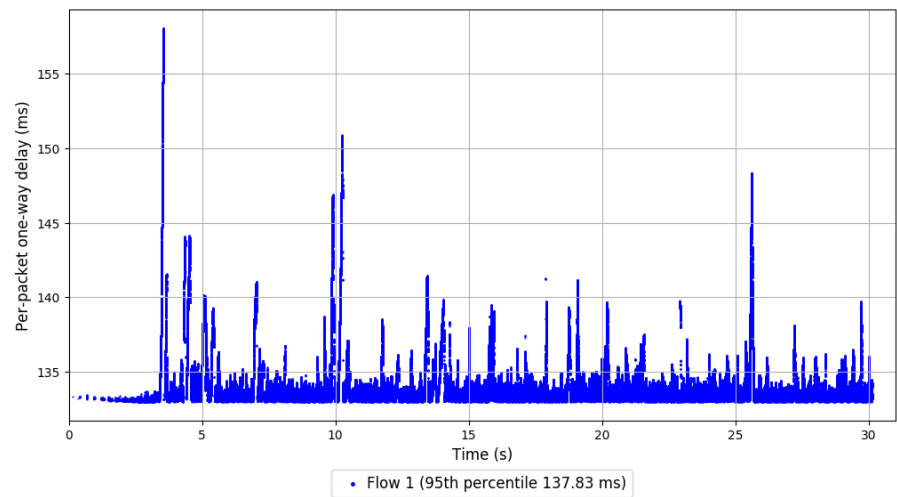
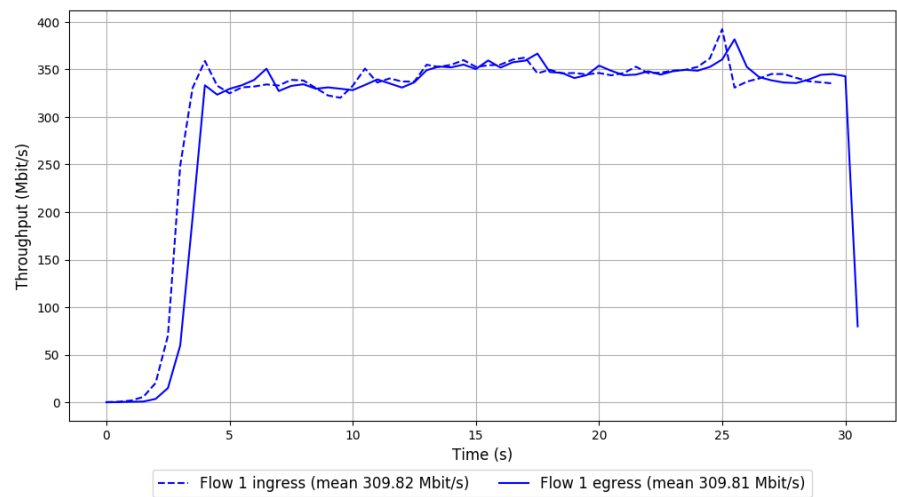


Run 3: Statistics of Copa

Start at: 2019-02-12 00:12:11
End at: 2019-02-12 00:12:41
Local clock offset: 0.012 ms
Remote clock offset: -0.159 ms

Below is generated by plot.py at 2019-02-12 02:06:14
Datalink statistics
-- Total of 1 flow:
Average throughput: 309.81 Mbit/s
95th percentile per-packet one-way delay: 137.828 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 309.81 Mbit/s
95th percentile per-packet one-way delay: 137.828 ms
Loss rate: 0.00%

Run 3: Report of Copa — Data Link

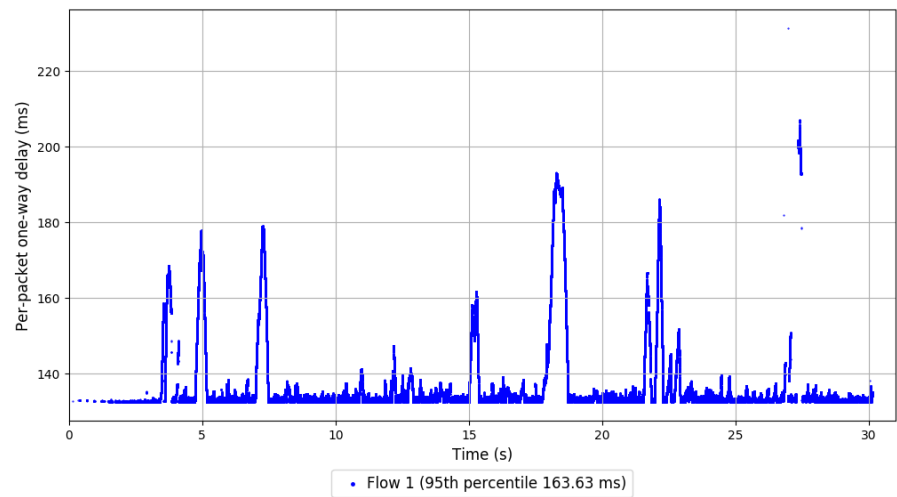
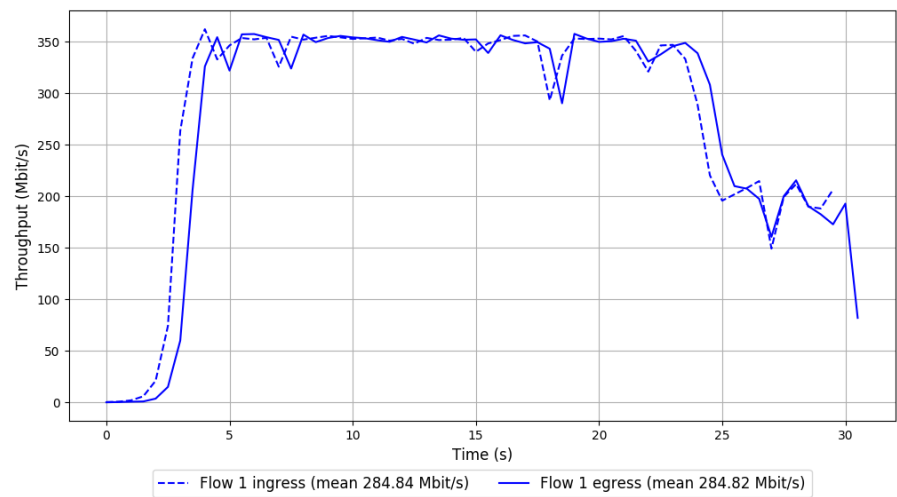


Run 4: Statistics of Copa

Start at: 2019-02-12 00:47:46
End at: 2019-02-12 00:48:16
Local clock offset: -0.464 ms
Remote clock offset: -0.221 ms

Below is generated by plot.py at 2019-02-12 02:14:20
Datalink statistics
-- Total of 1 flow:
Average throughput: 284.82 Mbit/s
95th percentile per-packet one-way delay: 163.632 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 284.82 Mbit/s
95th percentile per-packet one-way delay: 163.632 ms
Loss rate: 0.00%

Run 4: Report of Copa — Data Link

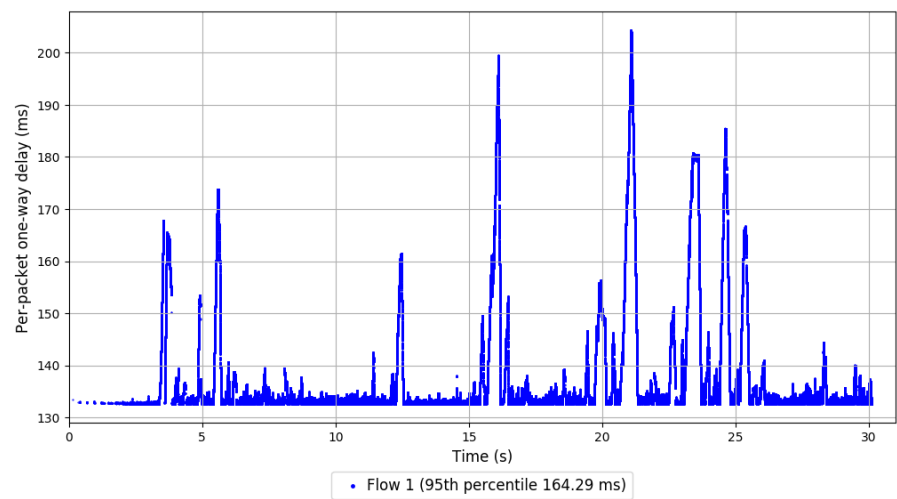
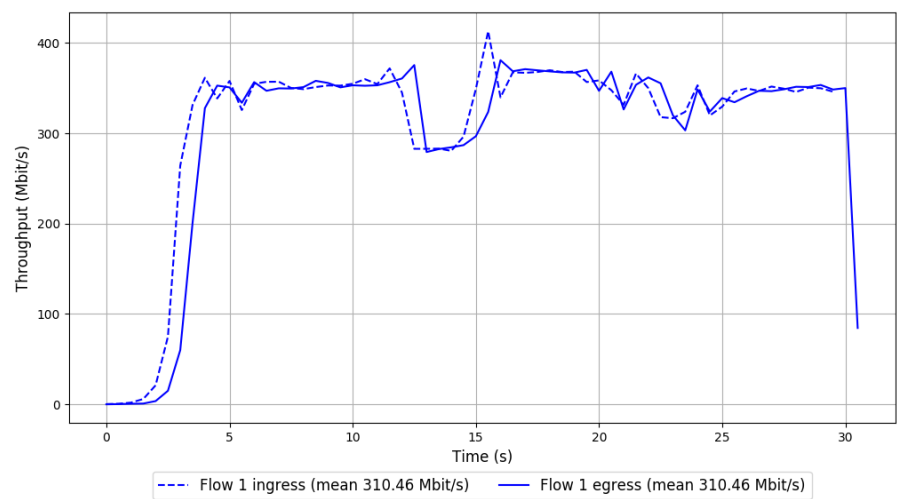


Run 5: Statistics of Copa

Start at: 2019-02-12 01:24:36
End at: 2019-02-12 01:25:06
Local clock offset: -0.047 ms
Remote clock offset: -0.275 ms

Below is generated by plot.py at 2019-02-12 02:15:57
Datalink statistics
-- Total of 1 flow:
Average throughput: 310.46 Mbit/s
95th percentile per-packet one-way delay: 164.289 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 310.46 Mbit/s
95th percentile per-packet one-way delay: 164.289 ms
Loss rate: 0.00%

Run 5: Report of Copa — Data Link

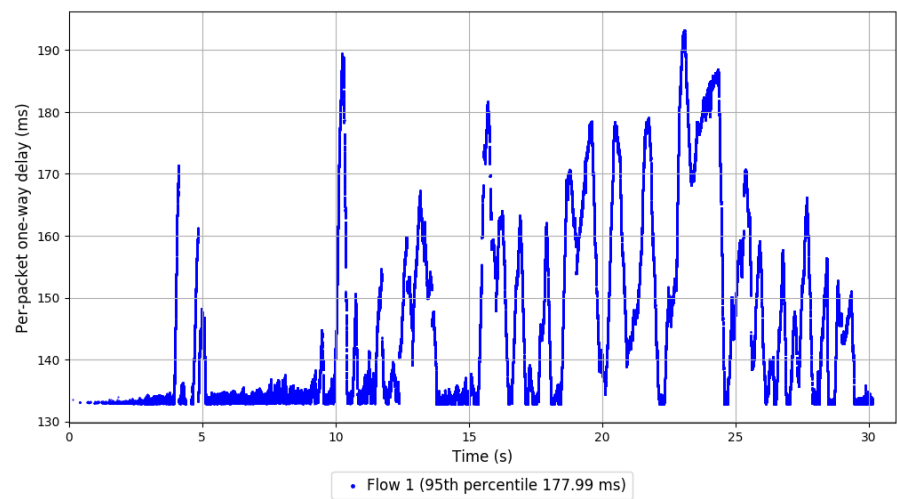
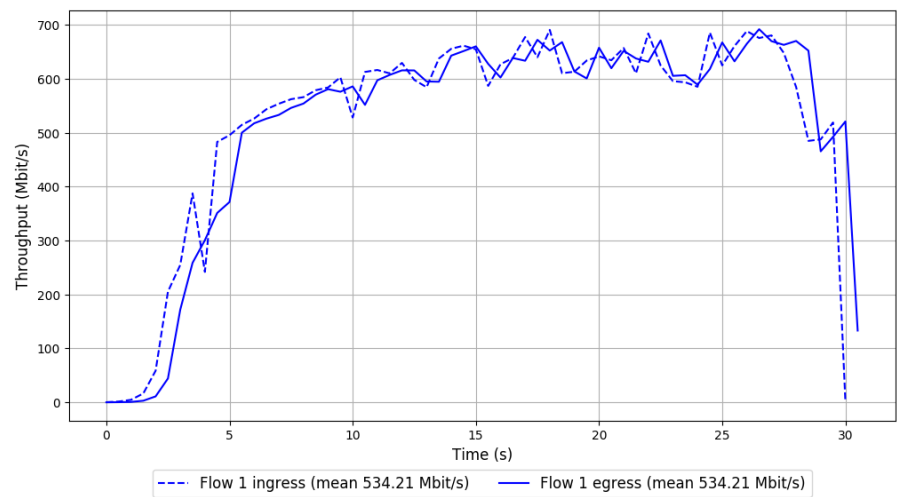


Run 1: Statistics of TCP Cubic

Start at: 2019-02-11 23:09:38
End at: 2019-02-11 23:10:08
Local clock offset: -0.049 ms
Remote clock offset: -0.021 ms

Below is generated by plot.py at 2019-02-12 02:15:57
Datalink statistics
-- Total of 1 flow:
Average throughput: 534.21 Mbit/s
95th percentile per-packet one-way delay: 177.988 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 534.21 Mbit/s
95th percentile per-packet one-way delay: 177.988 ms
Loss rate: 0.00%

Run 1: Report of TCP Cubic — Data Link

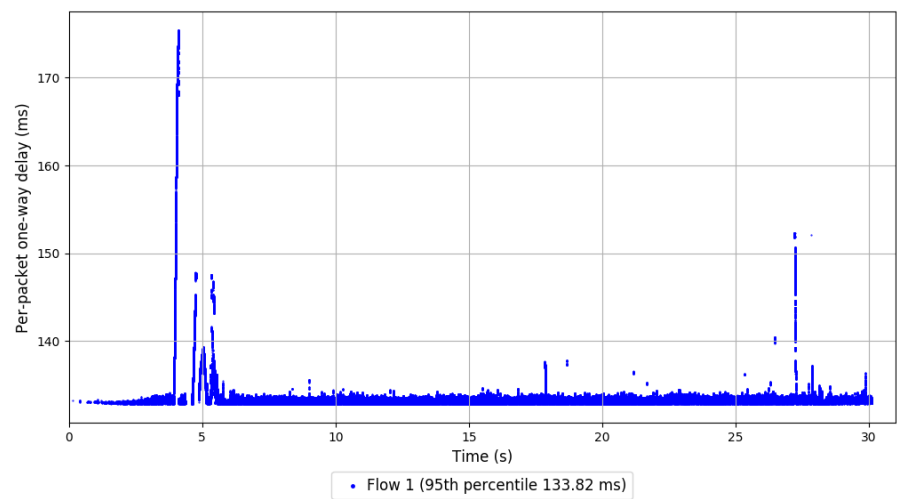
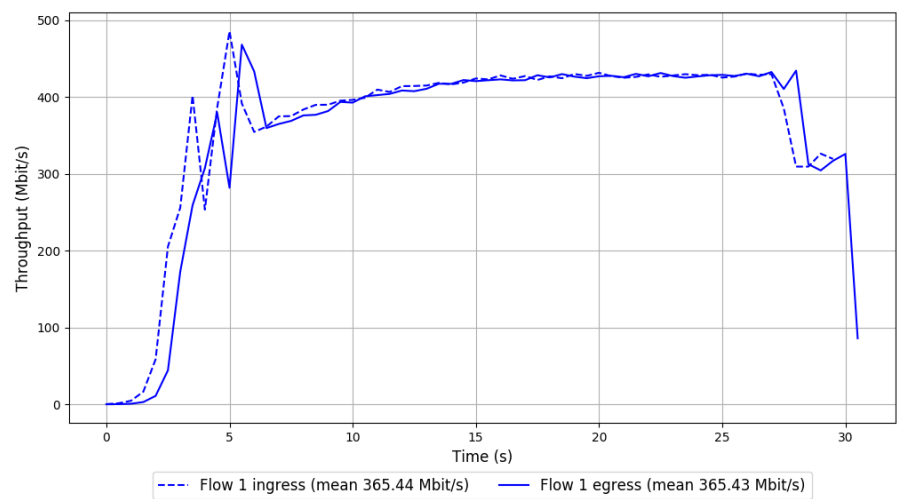


Run 2: Statistics of TCP Cubic

Start at: 2019-02-11 23:43:37
End at: 2019-02-11 23:44:07
Local clock offset: 0.136 ms
Remote clock offset: -0.054 ms

Below is generated by plot.py at 2019-02-12 02:15:57
Datalink statistics
-- Total of 1 flow:
Average throughput: 365.43 Mbit/s
95th percentile per-packet one-way delay: 133.821 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 365.43 Mbit/s
95th percentile per-packet one-way delay: 133.821 ms
Loss rate: 0.00%

Run 2: Report of TCP Cubic — Data Link

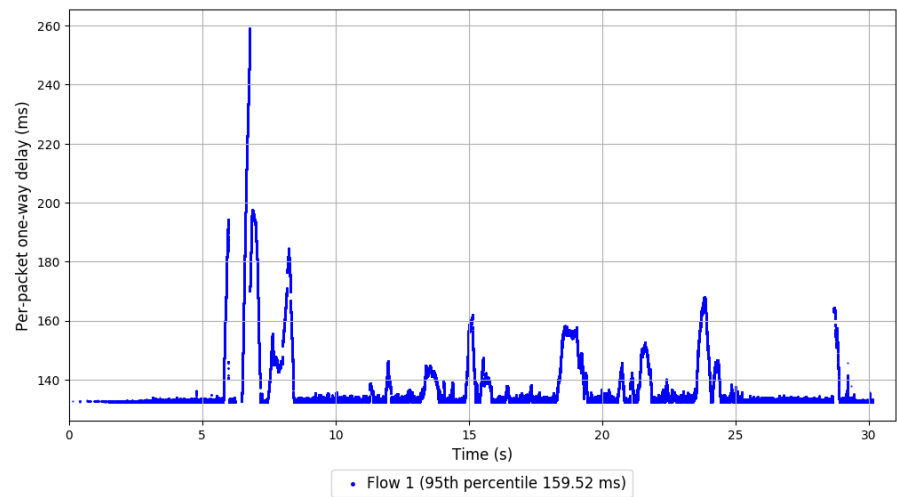
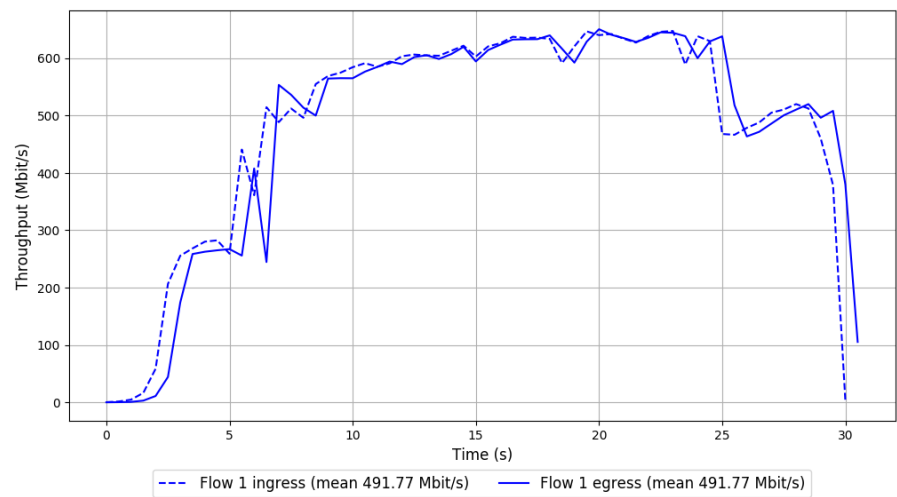


Run 3: Statistics of TCP Cubic

Start at: 2019-02-12 00:20:47
End at: 2019-02-12 00:21:17
Local clock offset: 0.434 ms
Remote clock offset: -0.119 ms

Below is generated by plot.py at 2019-02-12 02:15:57
Datalink statistics
-- Total of 1 flow:
Average throughput: 491.77 Mbit/s
95th percentile per-packet one-way delay: 159.519 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 491.77 Mbit/s
95th percentile per-packet one-way delay: 159.519 ms
Loss rate: 0.00%

Run 3: Report of TCP Cubic — Data Link

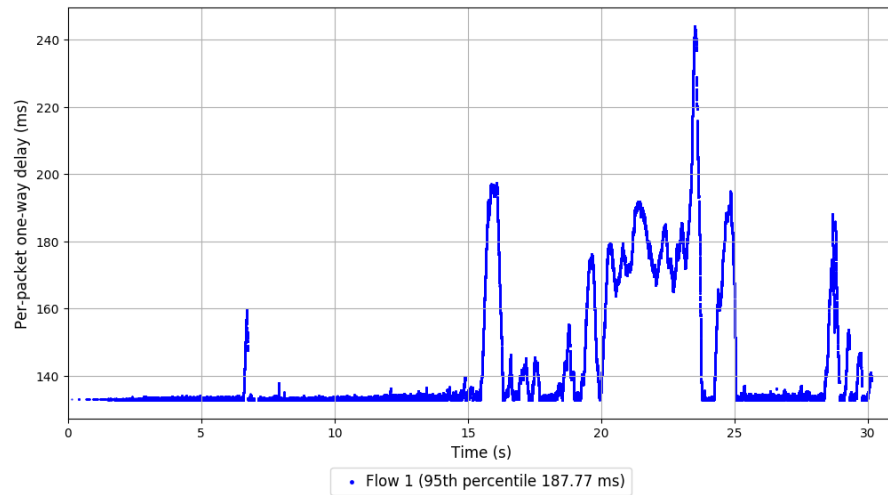
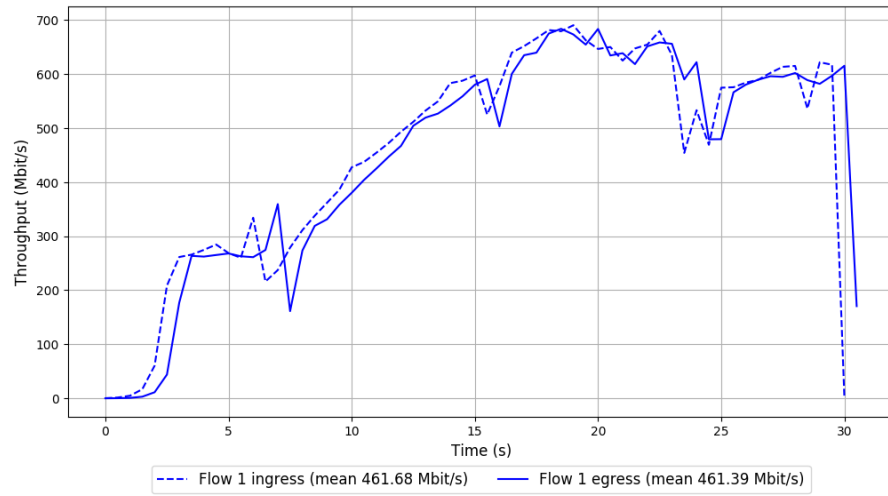


Run 4: Statistics of TCP Cubic

Start at: 2019-02-12 00:56:32
End at: 2019-02-12 00:57:02
Local clock offset: -0.042 ms
Remote clock offset: -0.208 ms

Below is generated by plot.py at 2019-02-12 02:15:57
Datalink statistics
-- Total of 1 flow:
Average throughput: 461.39 Mbit/s
95th percentile per-packet one-way delay: 187.767 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 461.39 Mbit/s
95th percentile per-packet one-way delay: 187.767 ms
Loss rate: 0.06%

Run 4: Report of TCP Cubic — Data Link

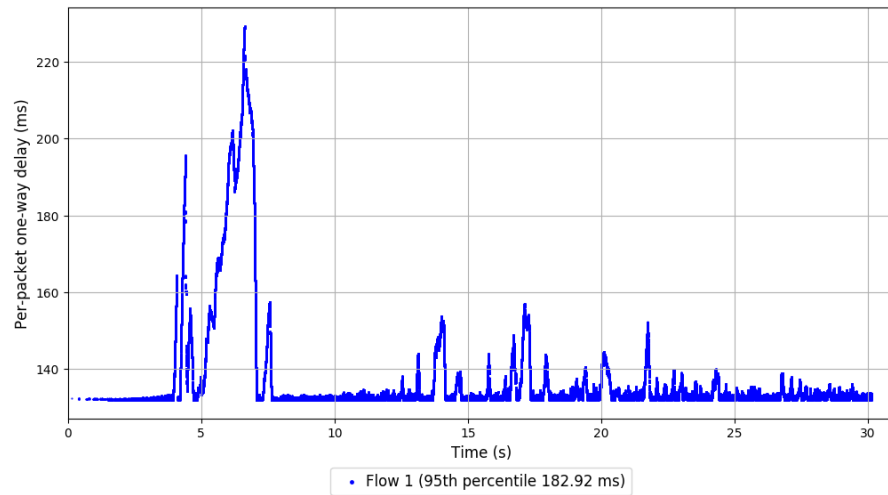
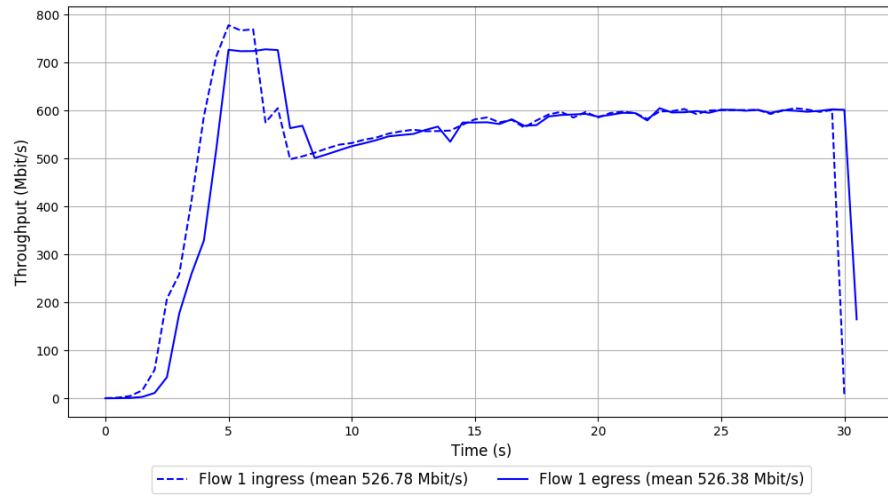


Run 5: Statistics of TCP Cubic

Start at: 2019-02-12 01:32:48
End at: 2019-02-12 01:33:18
Local clock offset: 0.187 ms
Remote clock offset: -0.245 ms

Below is generated by plot.py at 2019-02-12 02:17:48
Datalink statistics
-- Total of 1 flow:
Average throughput: 526.38 Mbit/s
95th percentile per-packet one-way delay: 182.916 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 526.38 Mbit/s
95th percentile per-packet one-way delay: 182.916 ms
Loss rate: 0.07%

Run 5: Report of TCP Cubic — Data Link

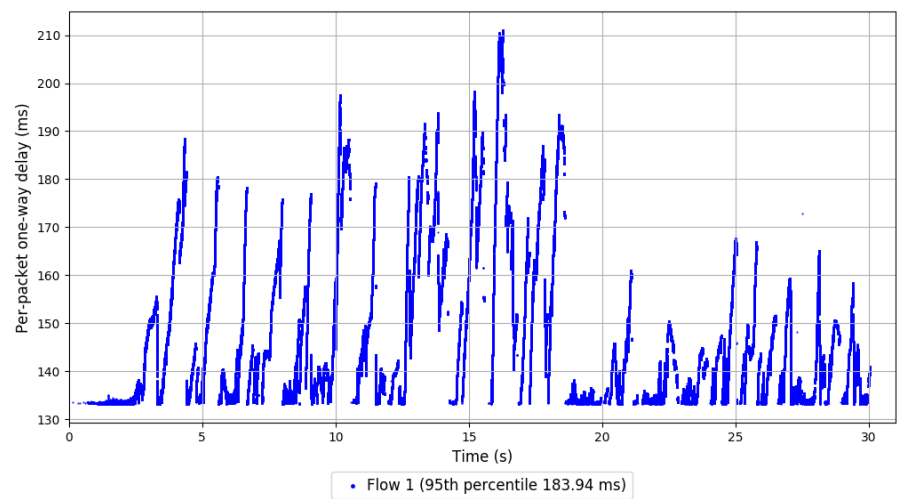
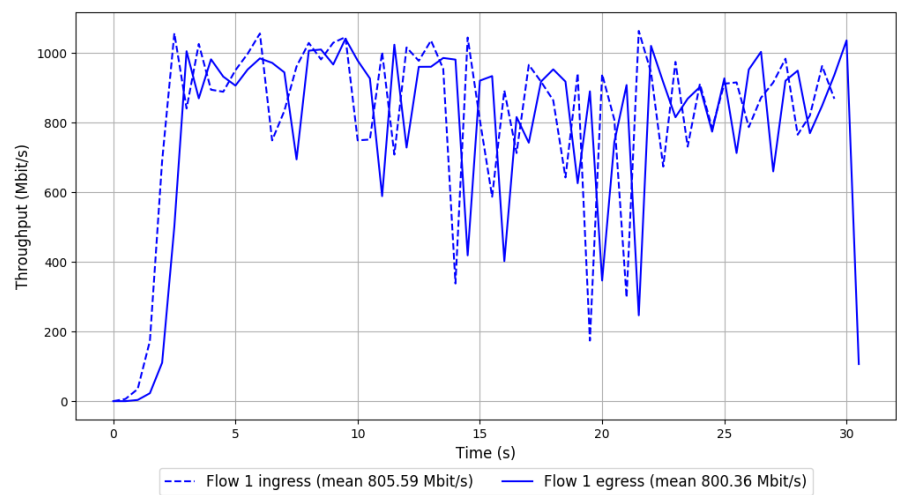


Run 1: Statistics of FillP

Start at: 2019-02-11 22:54:06
End at: 2019-02-11 22:54:36
Local clock offset: -0.44 ms
Remote clock offset: -0.053 ms

Below is generated by plot.py at 2019-02-12 02:27:58
Datalink statistics
-- Total of 1 flow:
Average throughput: 800.36 Mbit/s
95th percentile per-packet one-way delay: 183.944 ms
Loss rate: 0.65%
-- Flow 1:
Average throughput: 800.36 Mbit/s
95th percentile per-packet one-way delay: 183.944 ms
Loss rate: 0.65%

Run 1: Report of FillP — Data Link

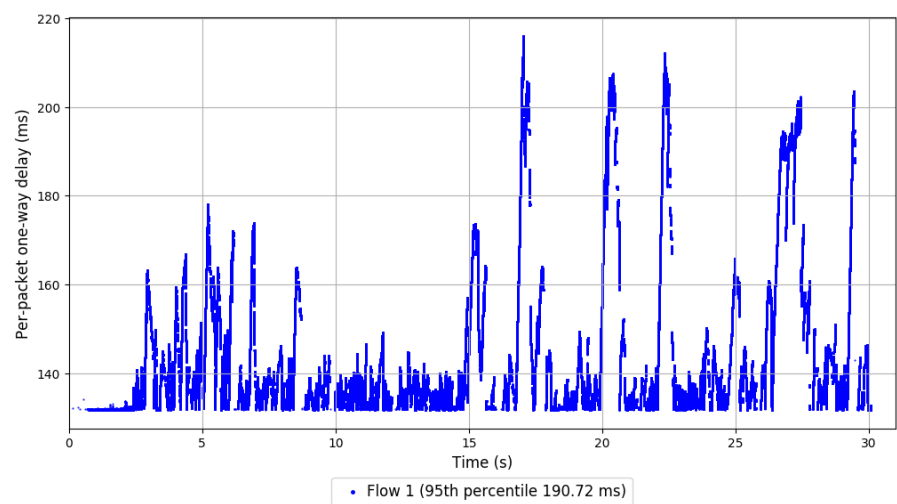
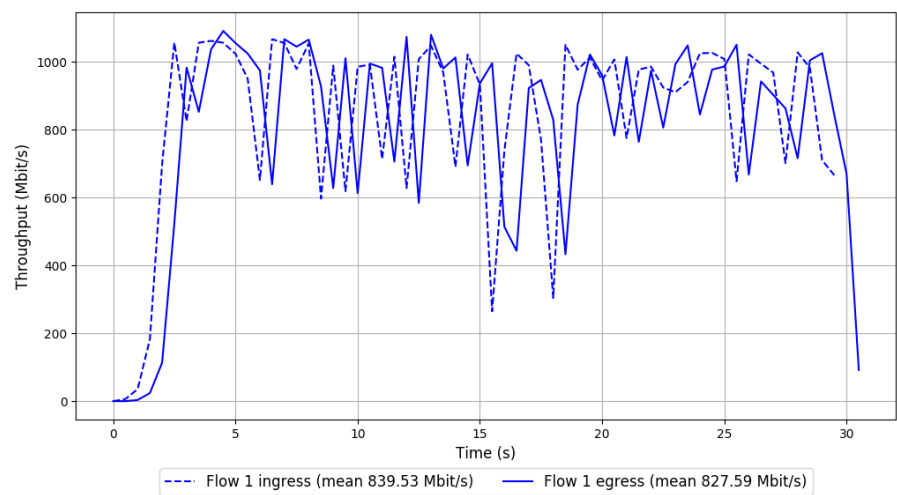


Run 2: Statistics of FillP

Start at: 2019-02-11 23:26:34
End at: 2019-02-11 23:27:04
Local clock offset: -0.076 ms
Remote clock offset: -0.393 ms

Below is generated by plot.py at 2019-02-12 02:37:13
Datalink statistics
-- Total of 1 flow:
Average throughput: 827.59 Mbit/s
95th percentile per-packet one-way delay: 190.721 ms
Loss rate: 1.42%
-- Flow 1:
Average throughput: 827.59 Mbit/s
95th percentile per-packet one-way delay: 190.721 ms
Loss rate: 1.42%

Run 2: Report of FillP — Data Link

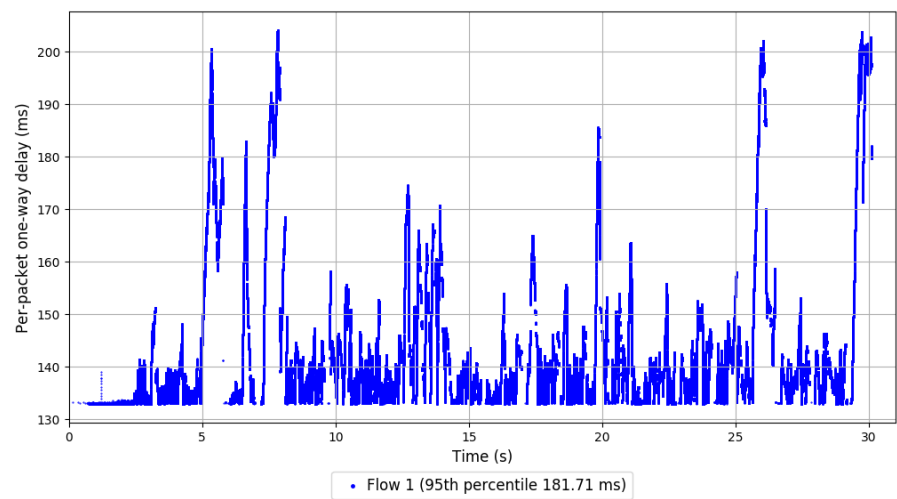
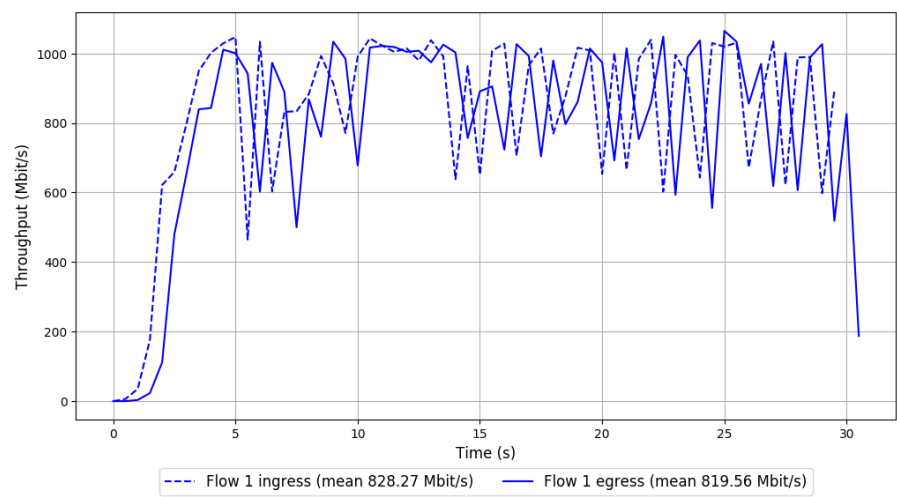


Run 3: Statistics of FillP

Start at: 2019-02-12 00:02:15
End at: 2019-02-12 00:02:45
Local clock offset: 0.043 ms
Remote clock offset: -0.144 ms

Below is generated by plot.py at 2019-02-12 02:39:29
Datalink statistics
-- Total of 1 flow:
Average throughput: 819.56 Mbit/s
95th percentile per-packet one-way delay: 181.707 ms
Loss rate: 1.05%
-- Flow 1:
Average throughput: 819.56 Mbit/s
95th percentile per-packet one-way delay: 181.707 ms
Loss rate: 1.05%

Run 3: Report of FillP — Data Link

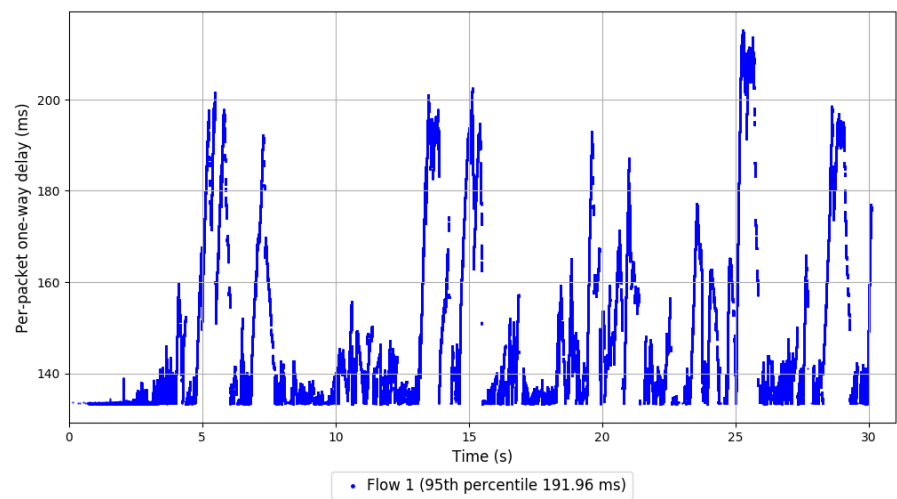
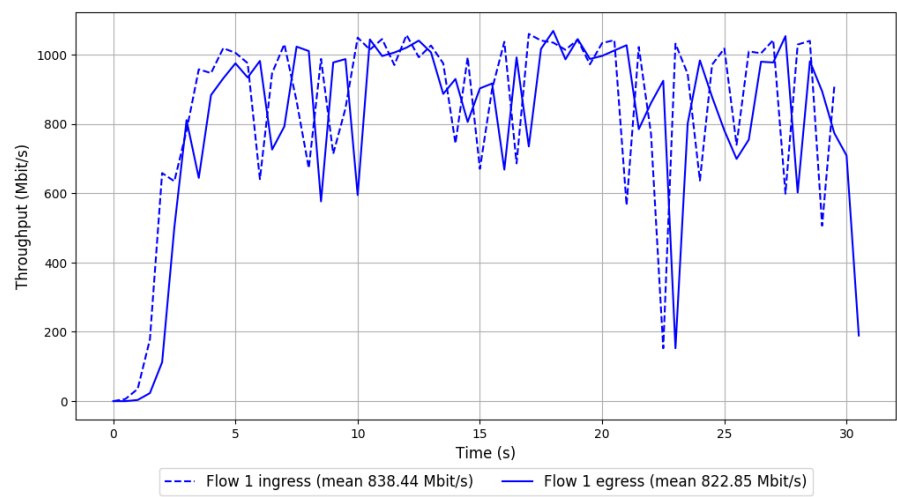


Run 4: Statistics of FillP

Start at: 2019-02-12 00:38:07
End at: 2019-02-12 00:38:37
Local clock offset: -0.473 ms
Remote clock offset: -0.174 ms

Below is generated by plot.py at 2019-02-12 02:39:35
Datalink statistics
-- Total of 1 flow:
Average throughput: 822.85 Mbit/s
95th percentile per-packet one-way delay: 191.962 ms
Loss rate: 1.86%
-- Flow 1:
Average throughput: 822.85 Mbit/s
95th percentile per-packet one-way delay: 191.962 ms
Loss rate: 1.86%

Run 4: Report of FillP — Data Link



Run 5: Statistics of FillP

Start at: 2019-02-12 01:15:04

End at: 2019-02-12 01:15:34

Local clock offset: 0.165 ms

Remote clock offset: 0.14 ms

Below is generated by plot.py at 2019-02-12 02:39:35

Datalink statistics

-- Total of 1 flow:

Average throughput: 801.11 Mbit/s

95th percentile per-packet one-way delay: 184.397 ms

Loss rate: 1.01%

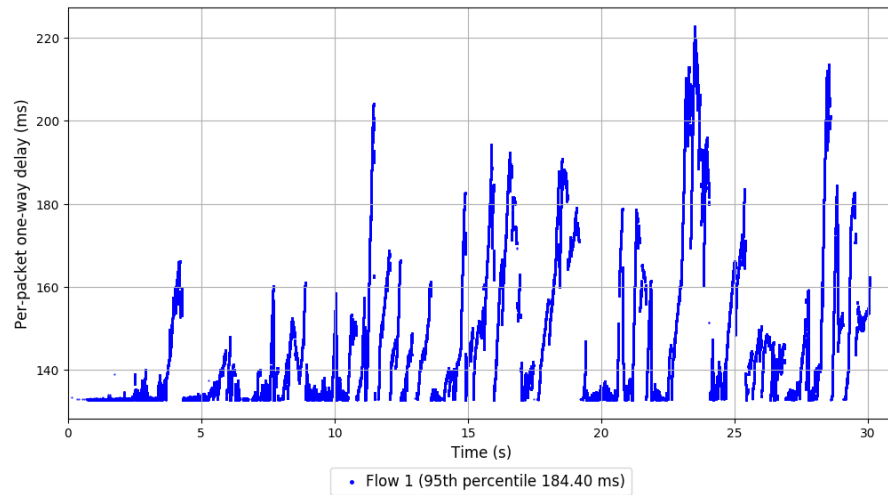
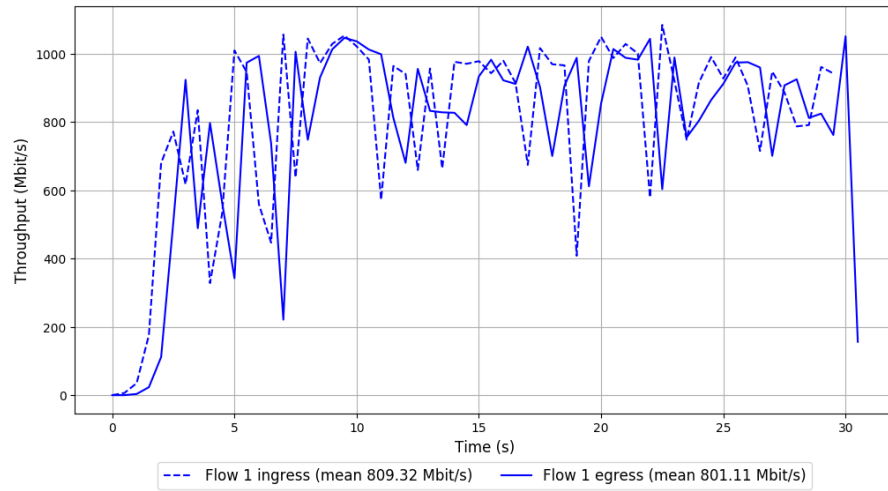
-- Flow 1:

Average throughput: 801.11 Mbit/s

95th percentile per-packet one-way delay: 184.397 ms

Loss rate: 1.01%

Run 5: Report of FillP — Data Link



Run 1: Statistics of FillP-Sheep

Start at: 2019-02-11 22:59:12

End at: 2019-02-11 22:59:42

Local clock offset: 0.285 ms

Remote clock offset: -0.022 ms

Below is generated by plot.py at 2019-02-12 02:39:35

Datalink statistics

-- Total of 1 flow:

Average throughput: 54.03 Mbit/s

95th percentile per-packet one-way delay: 136.026 ms

Loss rate: 0.00%

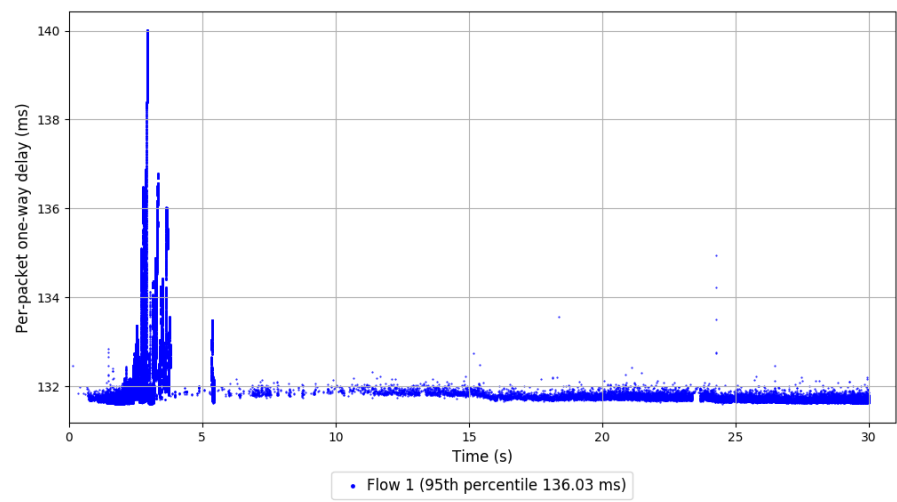
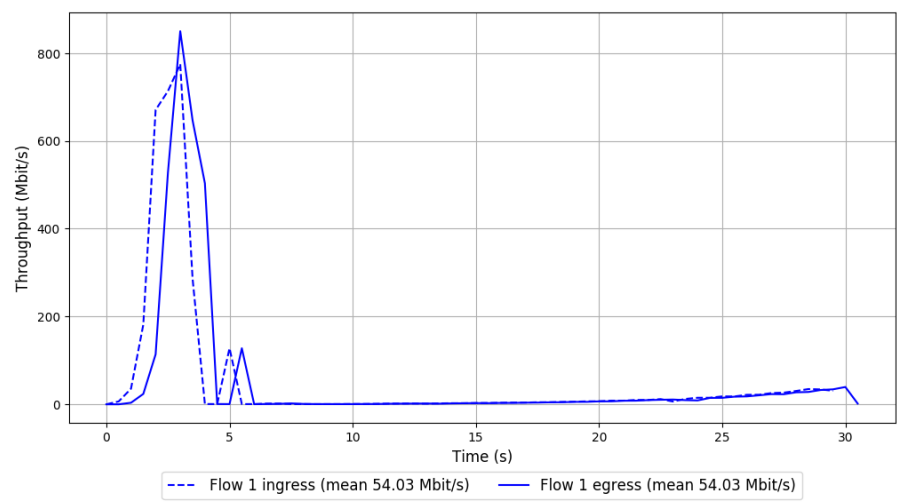
-- Flow 1:

Average throughput: 54.03 Mbit/s

95th percentile per-packet one-way delay: 136.026 ms

Loss rate: 0.00%

Run 1: Report of FillP-Sheep — Data Link

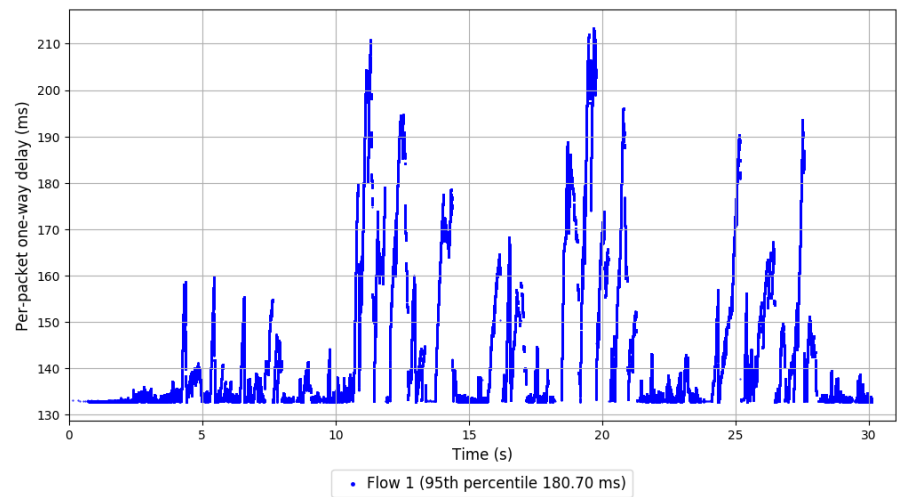
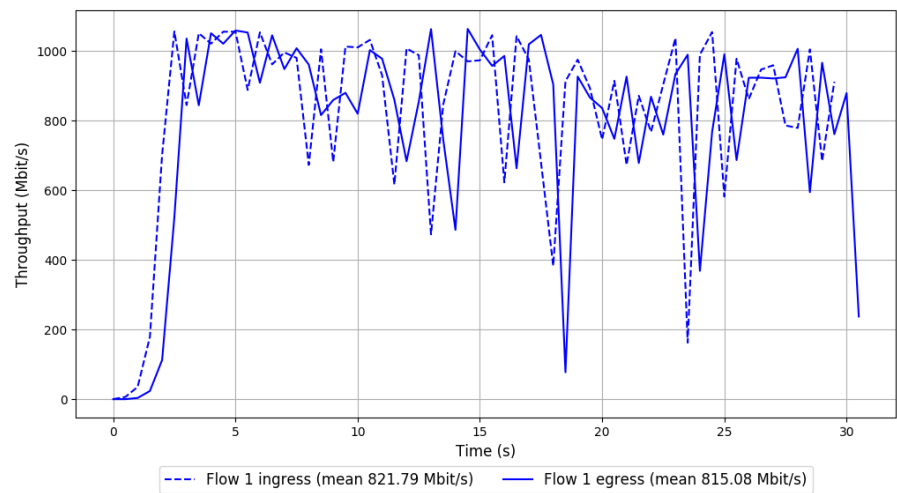


Run 2: Statistics of FillP-Sheep

Start at: 2019-02-11 23:31:53
End at: 2019-02-11 23:32:23
Local clock offset: -0.038 ms
Remote clock offset: -0.045 ms

Below is generated by plot.py at 2019-02-12 02:39:53
Datalink statistics
-- Total of 1 flow:
Average throughput: 815.08 Mbit/s
95th percentile per-packet one-way delay: 180.704 ms
Loss rate: 0.82%
-- Flow 1:
Average throughput: 815.08 Mbit/s
95th percentile per-packet one-way delay: 180.704 ms
Loss rate: 0.82%

Run 2: Report of FillP-Sheep — Data Link

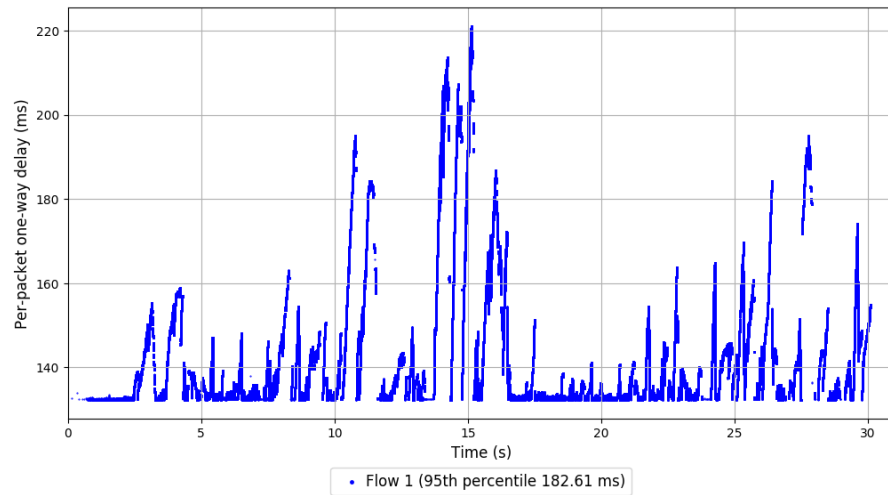
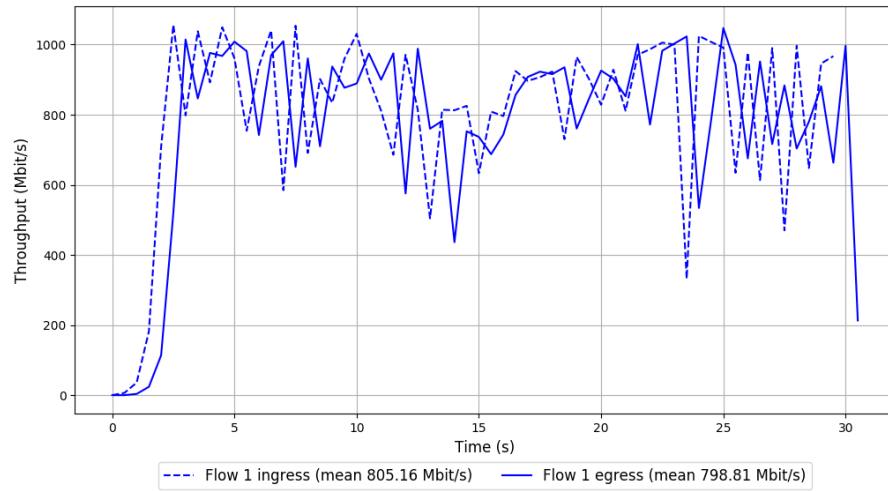


Run 3: Statistics of FillP-Sheep

Start at: 2019-02-12 00:08:16
End at: 2019-02-12 00:08:46
Local clock offset: 0.008 ms
Remote clock offset: -0.161 ms

Below is generated by plot.py at 2019-02-12 02:40:04
Datalink statistics
-- Total of 1 flow:
Average throughput: 798.81 Mbit/s
95th percentile per-packet one-way delay: 182.607 ms
Loss rate: 0.79%
-- Flow 1:
Average throughput: 798.81 Mbit/s
95th percentile per-packet one-way delay: 182.607 ms
Loss rate: 0.79%

Run 3: Report of FillP-Sheep — Data Link

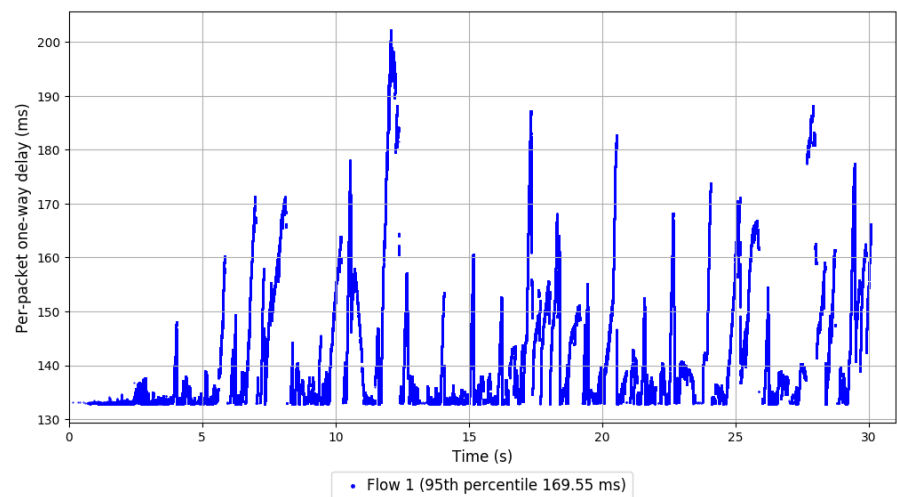
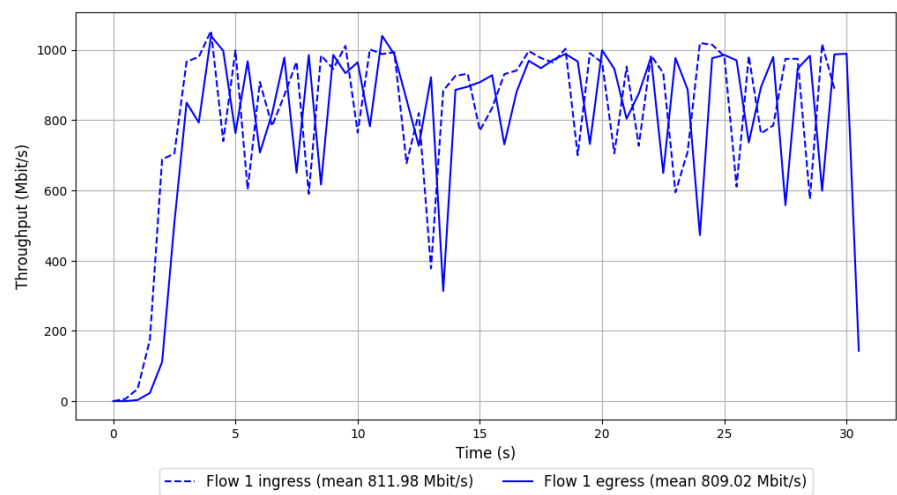


Run 4: Statistics of FillP-Sheep

Start at: 2019-02-12 00:44:08
End at: 2019-02-12 00:44:38
Local clock offset: -0.458 ms
Remote clock offset: -0.596 ms

Below is generated by plot.py at 2019-02-12 02:41:59
Datalink statistics
-- Total of 1 flow:
Average throughput: 809.02 Mbit/s
95th percentile per-packet one-way delay: 169.546 ms
Loss rate: 0.36%
-- Flow 1:
Average throughput: 809.02 Mbit/s
95th percentile per-packet one-way delay: 169.546 ms
Loss rate: 0.36%

Run 4: Report of FillP-Sheep — Data Link

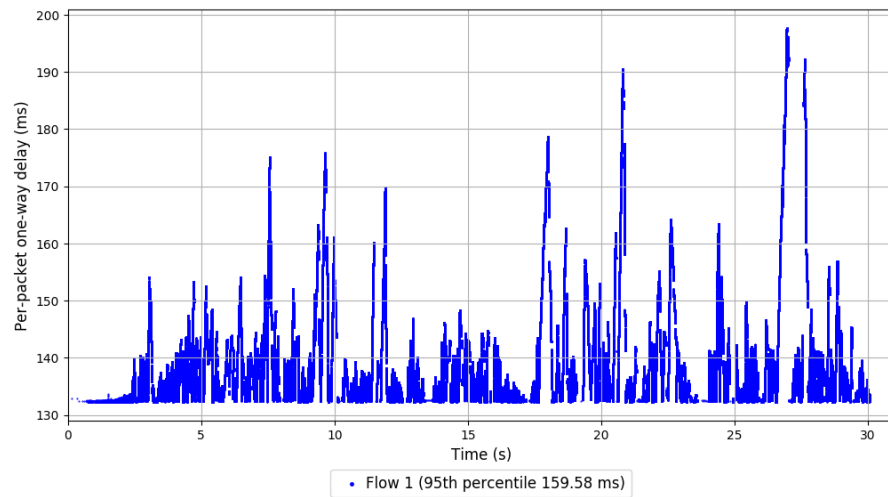
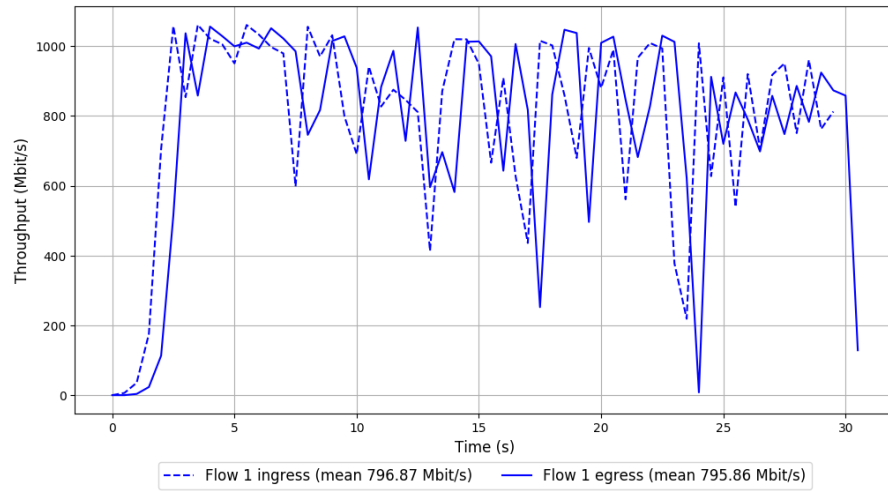


Run 5: Statistics of FillP-Sheep

Start at: 2019-02-12 01:20:59
End at: 2019-02-12 01:21:29
Local clock offset: 0.517 ms
Remote clock offset: -0.211 ms

Below is generated by plot.py at 2019-02-12 02:54:00
Datalink statistics
-- Total of 1 flow:
Average throughput: 795.86 Mbit/s
95th percentile per-packet one-way delay: 159.579 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 795.86 Mbit/s
95th percentile per-packet one-way delay: 159.579 ms
Loss rate: 0.13%

Run 5: Report of FillP-Sheep — Data Link



Run 1: Statistics of Indigo

Start at: 2019-02-11 23:05:33

End at: 2019-02-11 23:06:03

Local clock offset: -0.006 ms

Remote clock offset: 0.36 ms

Below is generated by plot.py at 2019-02-12 02:54:00

Datalink statistics

-- Total of 1 flow:

Average throughput: 176.07 Mbit/s

95th percentile per-packet one-way delay: 133.804 ms

Loss rate: 0.00%

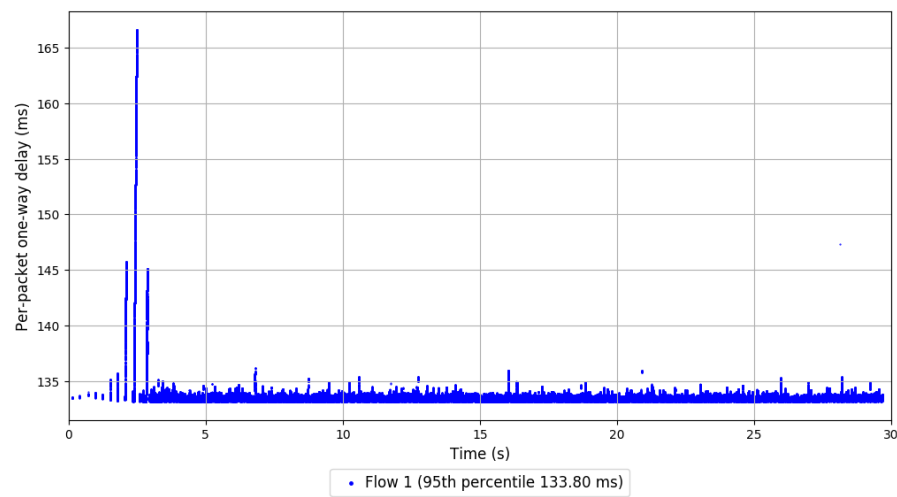
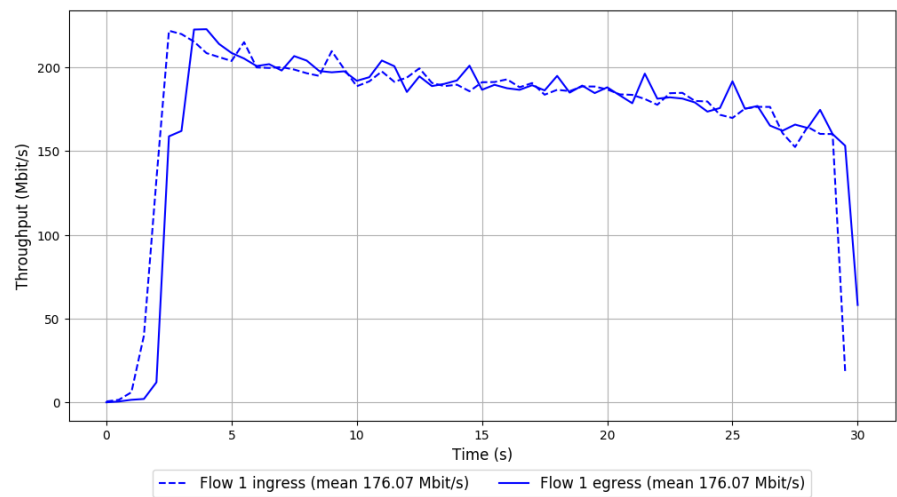
-- Flow 1:

Average throughput: 176.07 Mbit/s

95th percentile per-packet one-way delay: 133.804 ms

Loss rate: 0.00%

Run 1: Report of Indigo — Data Link

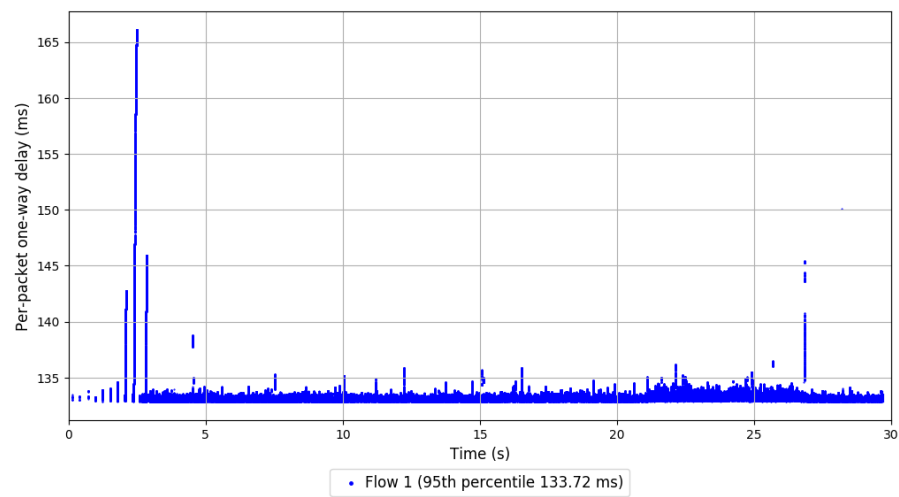
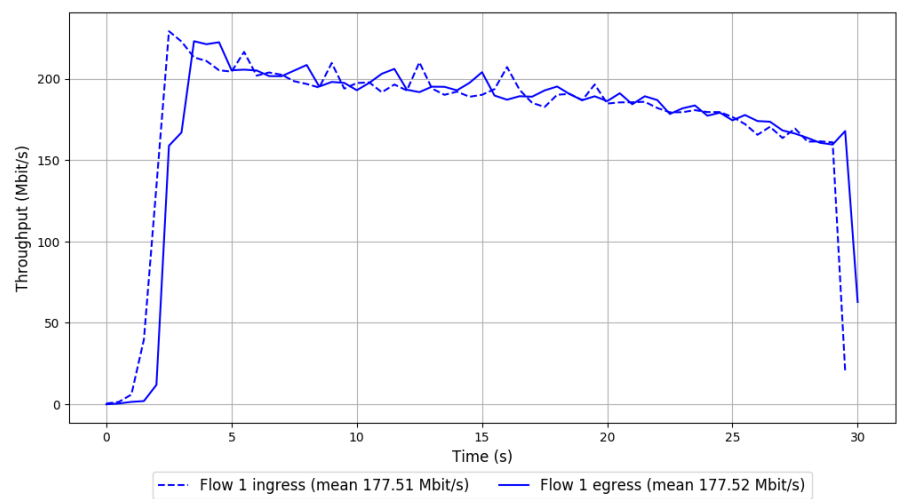


Run 2: Statistics of Indigo

Start at: 2019-02-11 23:39:09
End at: 2019-02-11 23:39:39
Local clock offset: -0.061 ms
Remote clock offset: -0.021 ms

Below is generated by plot.py at 2019-02-12 02:54:01
Datalink statistics
-- Total of 1 flow:
Average throughput: 177.52 Mbit/s
95th percentile per-packet one-way delay: 133.720 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 177.52 Mbit/s
95th percentile per-packet one-way delay: 133.720 ms
Loss rate: 0.00%

Run 2: Report of Indigo — Data Link

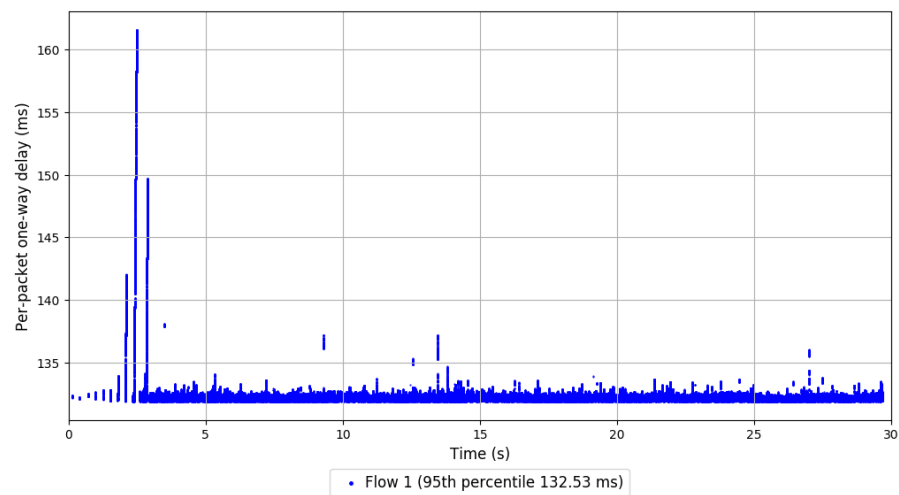
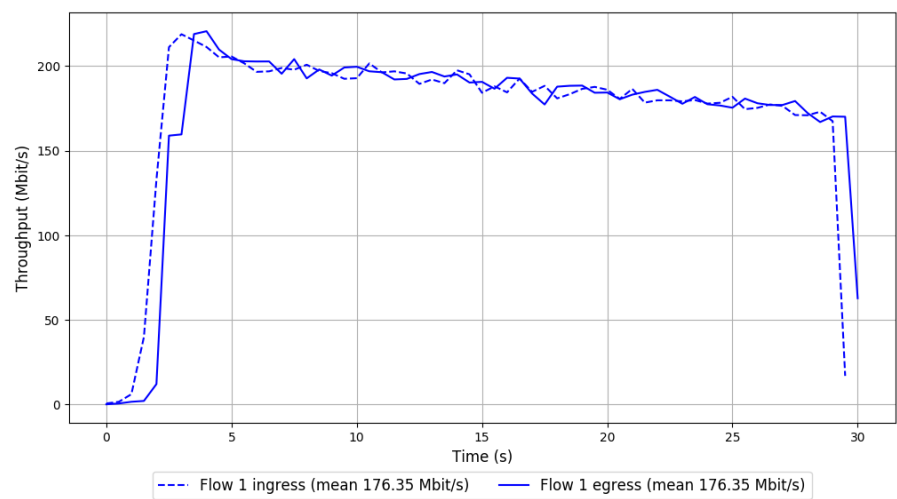


Run 3: Statistics of Indigo

Start at: 2019-02-12 00:16:06
End at: 2019-02-12 00:16:36
Local clock offset: 0.432 ms
Remote clock offset: -0.125 ms

Below is generated by plot.py at 2019-02-12 02:54:01
Datalink statistics
-- Total of 1 flow:
Average throughput: 176.35 Mbit/s
95th percentile per-packet one-way delay: 132.535 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 176.35 Mbit/s
95th percentile per-packet one-way delay: 132.535 ms
Loss rate: 0.00%

Run 3: Report of Indigo — Data Link



Run 4: Statistics of Indigo

Start at: 2019-02-12 00:51:47

End at: 2019-02-12 00:52:17

Local clock offset: 0.229 ms

Remote clock offset: -0.201 ms

Below is generated by plot.py at 2019-02-12 02:54:01

Datalink statistics

-- Total of 1 flow:

Average throughput: 158.84 Mbit/s

95th percentile per-packet one-way delay: 133.086 ms

Loss rate: 0.00%

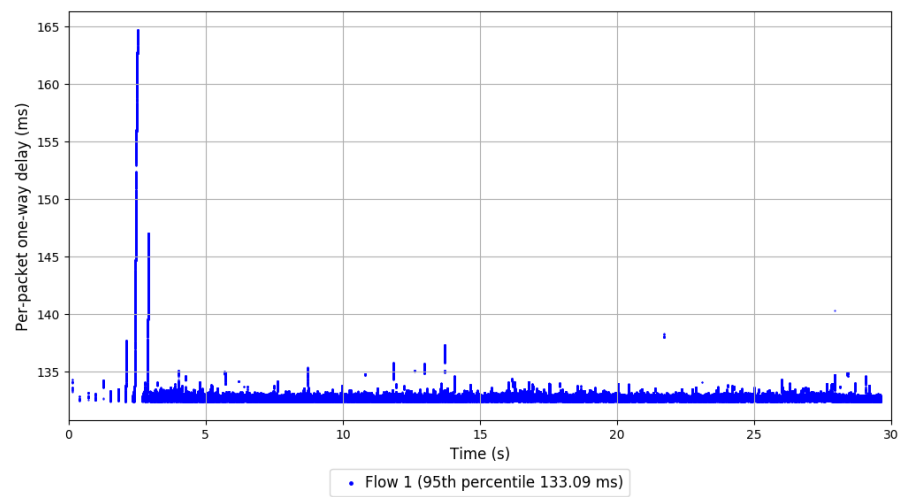
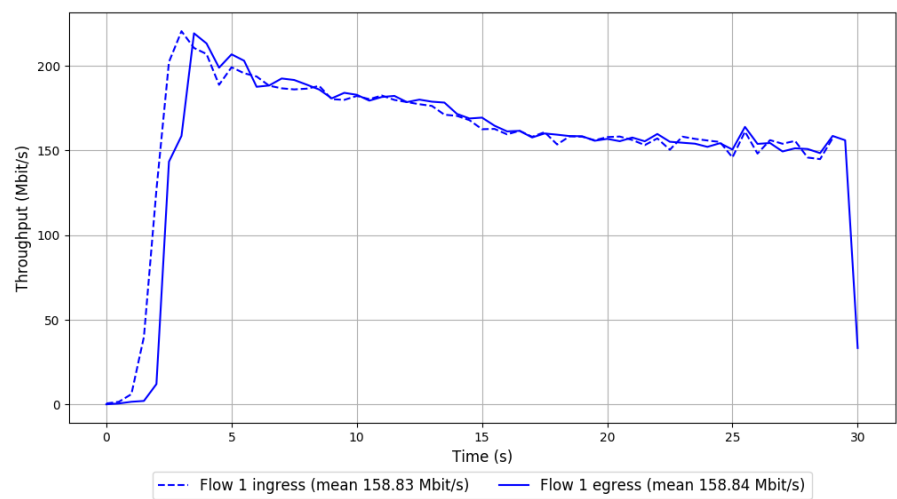
-- Flow 1:

Average throughput: 158.84 Mbit/s

95th percentile per-packet one-way delay: 133.086 ms

Loss rate: 0.00%

Run 4: Report of Indigo — Data Link

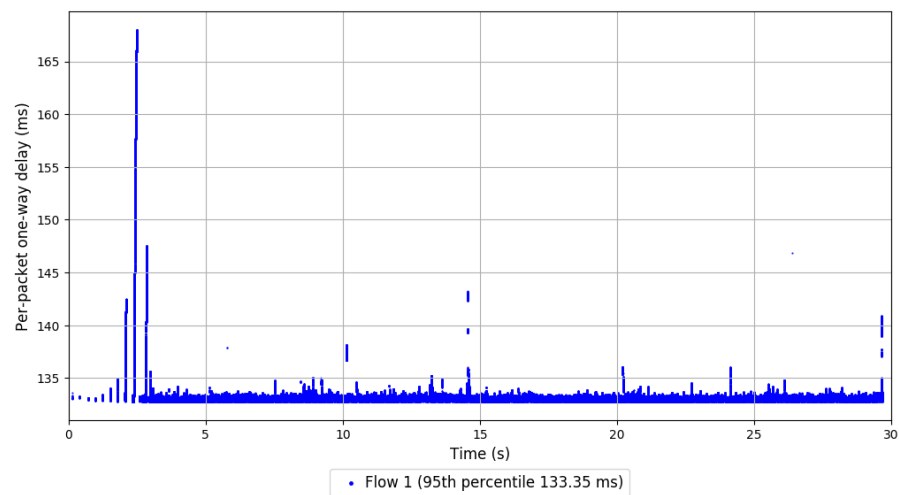
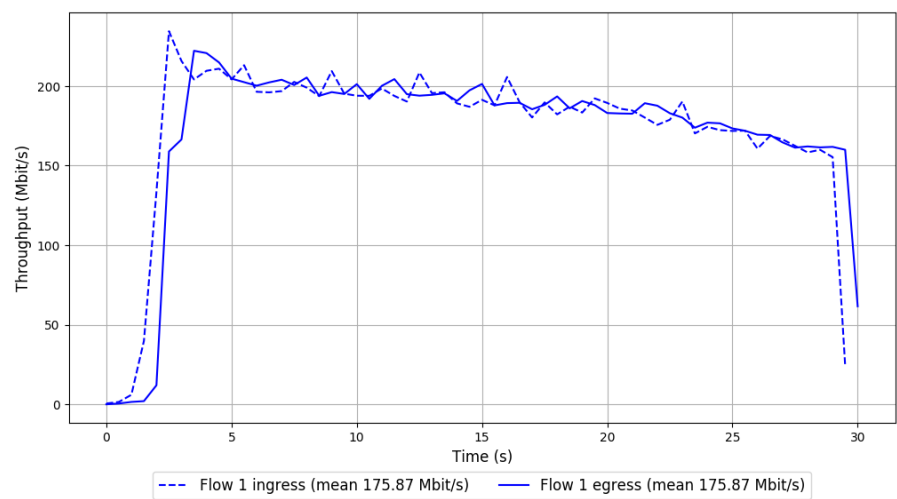


Run 5: Statistics of Indigo

Start at: 2019-02-12 01:28:29
End at: 2019-02-12 01:28:59
Local clock offset: -0.073 ms
Remote clock offset: -0.236 ms

Below is generated by plot.py at 2019-02-12 02:54:01
Datalink statistics
-- Total of 1 flow:
Average throughput: 175.87 Mbit/s
95th percentile per-packet one-way delay: 133.351 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 175.87 Mbit/s
95th percentile per-packet one-way delay: 133.351 ms
Loss rate: 0.00%

Run 5: Report of Indigo — Data Link



Run 1: Statistics of Indigo-MusesC3

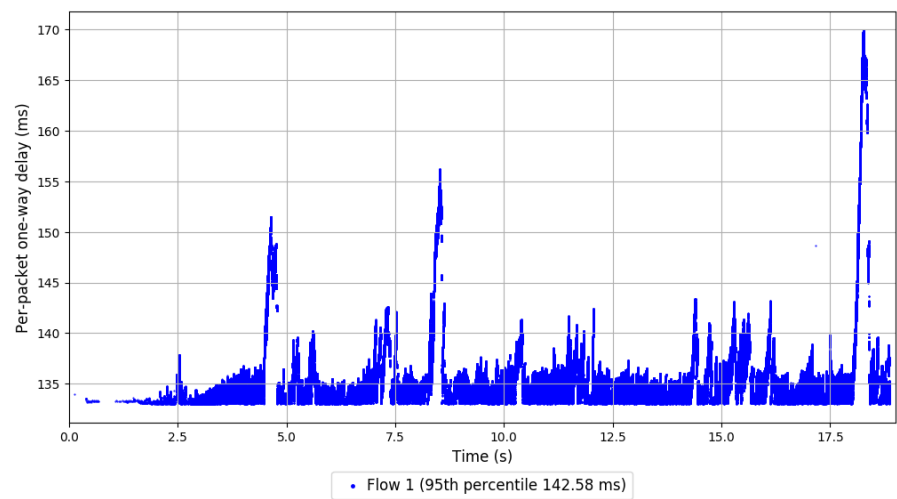
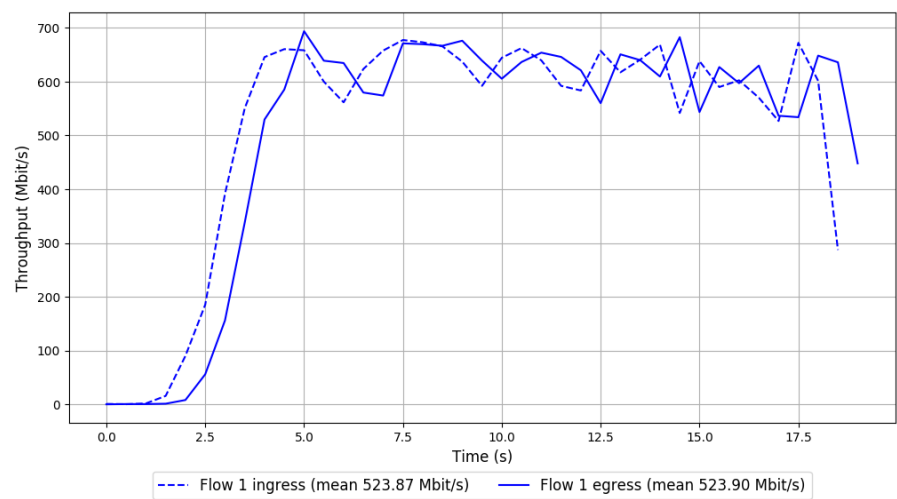
Start at: 2019-02-11 22:46:14

End at: 2019-02-11 22:46:44

Local clock offset: -0.296 ms

Remote clock offset: -0.024 ms

Run 1: Report of Indigo-MusesC3 — Data Link

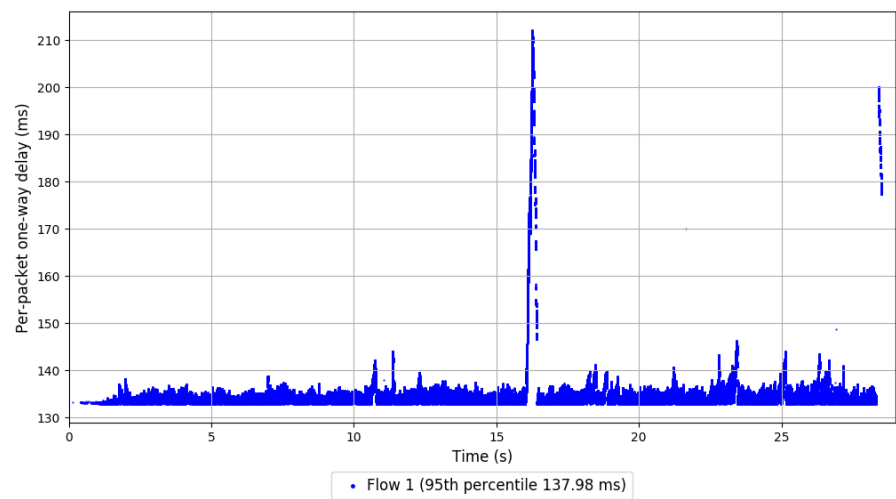
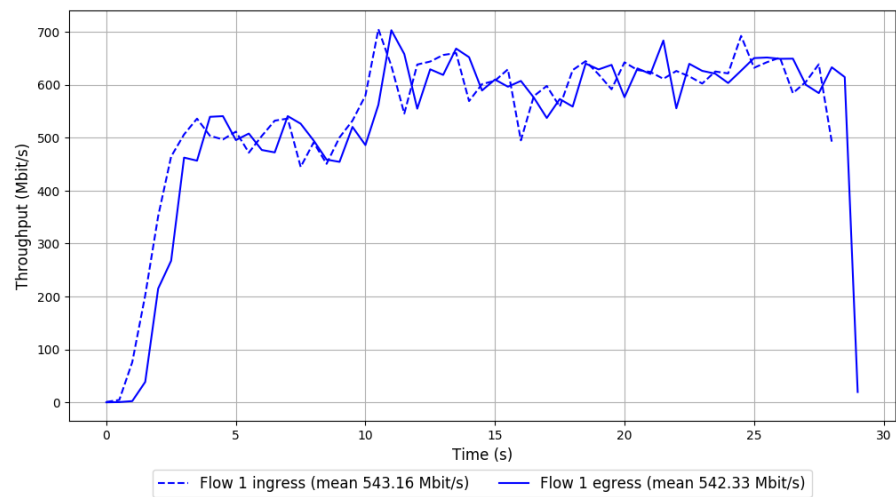


Run 2: Statistics of Indigo-MusesC3

Start at: 2019-02-11 23:18:09
End at: 2019-02-11 23:18:39
Local clock offset: -0.052 ms
Remote clock offset: -0.046 ms

Below is generated by plot.py at 2019-02-12 02:54:37
Datalink statistics
-- Total of 1 flow:
Average throughput: 542.33 Mbit/s
95th percentile per-packet one-way delay: 137.983 ms
Loss rate: 0.14%
-- Flow 1:
Average throughput: 542.33 Mbit/s
95th percentile per-packet one-way delay: 137.983 ms
Loss rate: 0.14%

Run 2: Report of Indigo-MusesC3 — Data Link

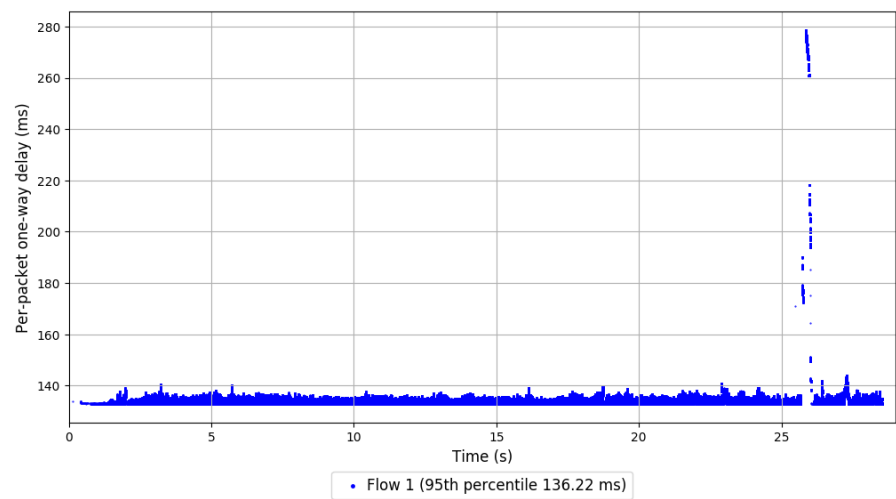
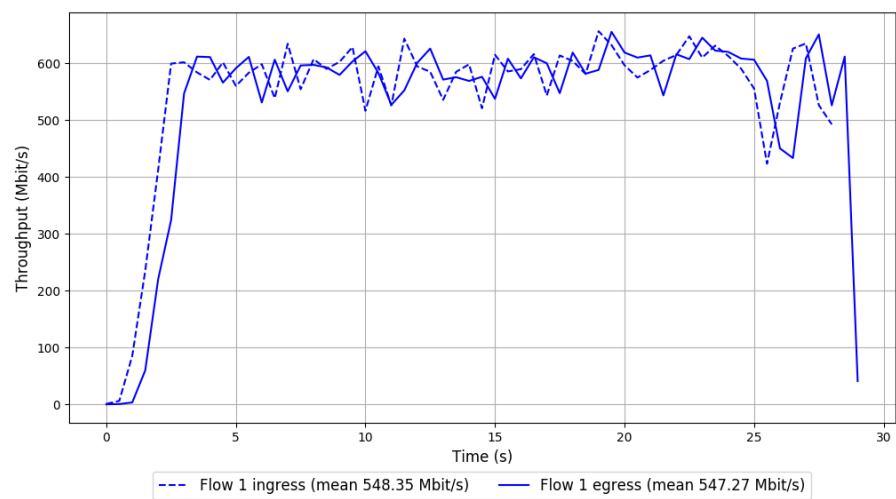


Run 3: Statistics of Indigo-MusesC3

Start at: 2019-02-11 23:52:44
End at: 2019-02-11 23:53:14
Local clock offset: -0.005 ms
Remote clock offset: -0.106 ms

Below is generated by plot.py at 2019-02-12 02:57:21
Datalink statistics
-- Total of 1 flow:
Average throughput: 547.27 Mbit/s
95th percentile per-packet one-way delay: 136.225 ms
Loss rate: 0.20%
-- Flow 1:
Average throughput: 547.27 Mbit/s
95th percentile per-packet one-way delay: 136.225 ms
Loss rate: 0.20%

Run 3: Report of Indigo-MusesC3 — Data Link

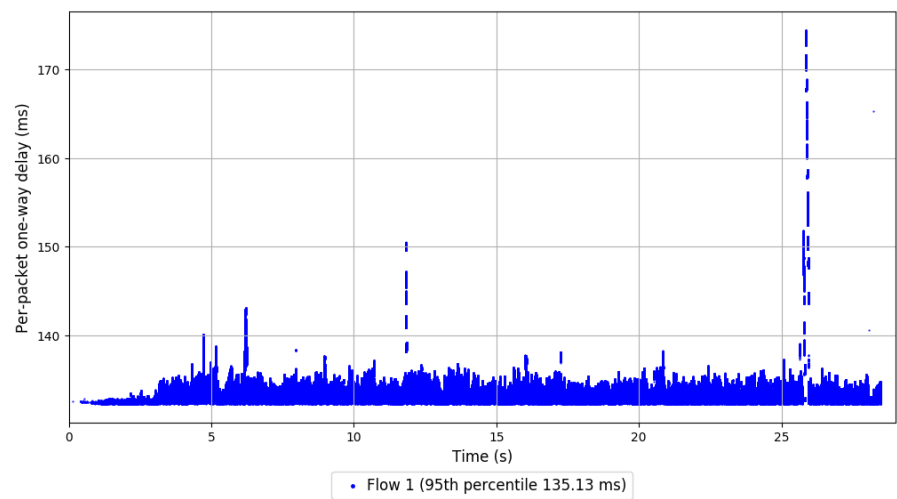
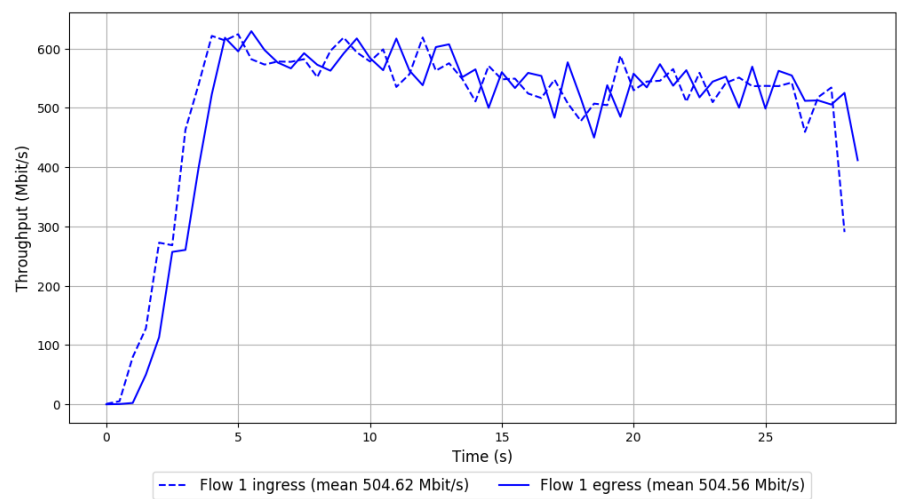


Run 4: Statistics of Indigo-MusesC3

Start at: 2019-02-12 00:29:42
End at: 2019-02-12 00:30:12
Local clock offset: 0.475 ms
Remote clock offset: -0.207 ms

Below is generated by plot.py at 2019-02-12 02:59:39
Datalink statistics
-- Total of 1 flow:
Average throughput: 504.56 Mbit/s
95th percentile per-packet one-way delay: 135.131 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 504.56 Mbit/s
95th percentile per-packet one-way delay: 135.131 ms
Loss rate: 0.01%

Run 4: Report of Indigo-MusesC3 — Data Link

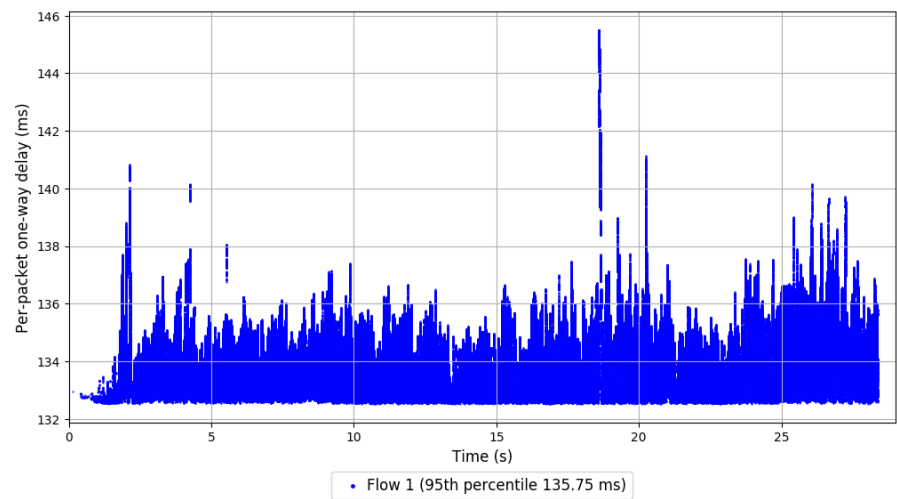
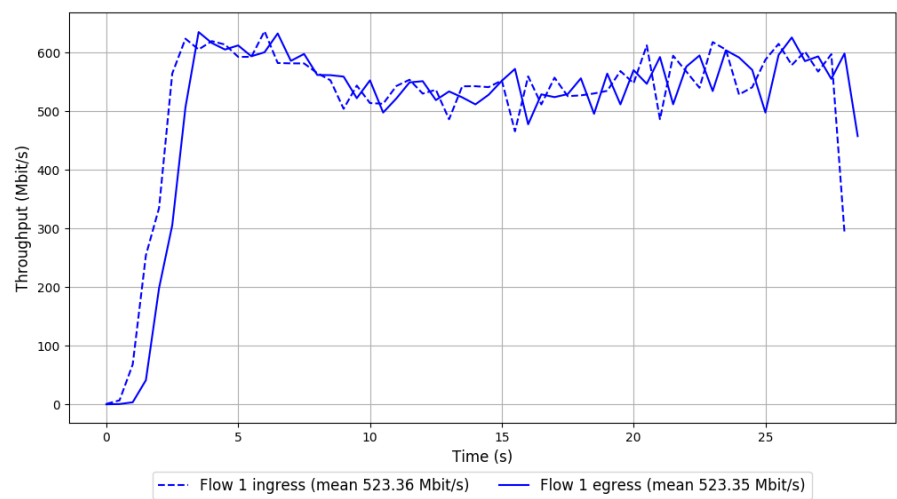


Run 5: Statistics of Indigo-MusesC3

Start at: 2019-02-12 01:05:09
End at: 2019-02-12 01:05:39
Local clock offset: -0.309 ms
Remote clock offset: -0.239 ms

Below is generated by plot.py at 2019-02-12 03:00:17
Datalink statistics
-- Total of 1 flow:
Average throughput: 523.35 Mbit/s
95th percentile per-packet one-way delay: 135.746 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 523.35 Mbit/s
95th percentile per-packet one-way delay: 135.746 ms
Loss rate: 0.00%

Run 5: Report of Indigo-MusesC3 — Data Link

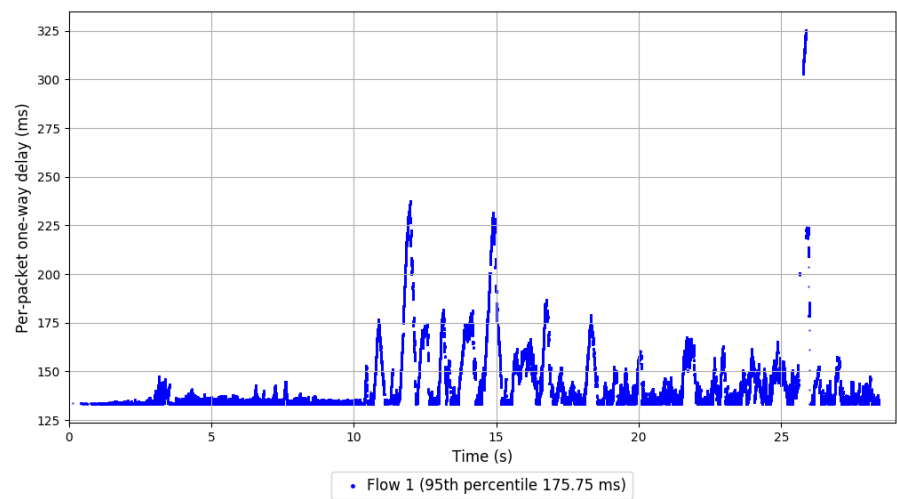
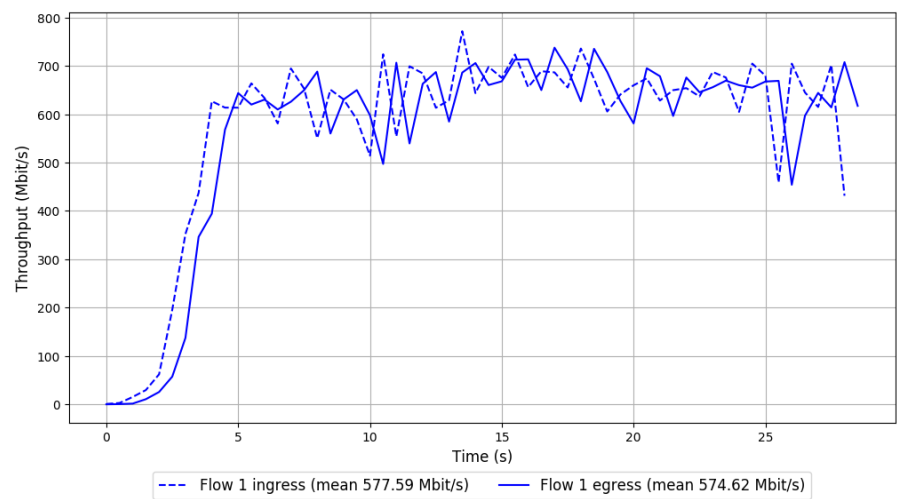


Run 1: Statistics of Indigo-MusesC5

Start at: 2019-02-11 23:03:49
End at: 2019-02-11 23:04:19
Local clock offset: -0.313 ms
Remote clock offset: -0.009 ms

Below is generated by plot.py at 2019-02-12 03:01:21
Datalink statistics
-- Total of 1 flow:
Average throughput: 574.62 Mbit/s
95th percentile per-packet one-way delay: 175.754 ms
Loss rate: 0.52%
-- Flow 1:
Average throughput: 574.62 Mbit/s
95th percentile per-packet one-way delay: 175.754 ms
Loss rate: 0.52%

Run 1: Report of Indigo-MusesC5 — Data Link

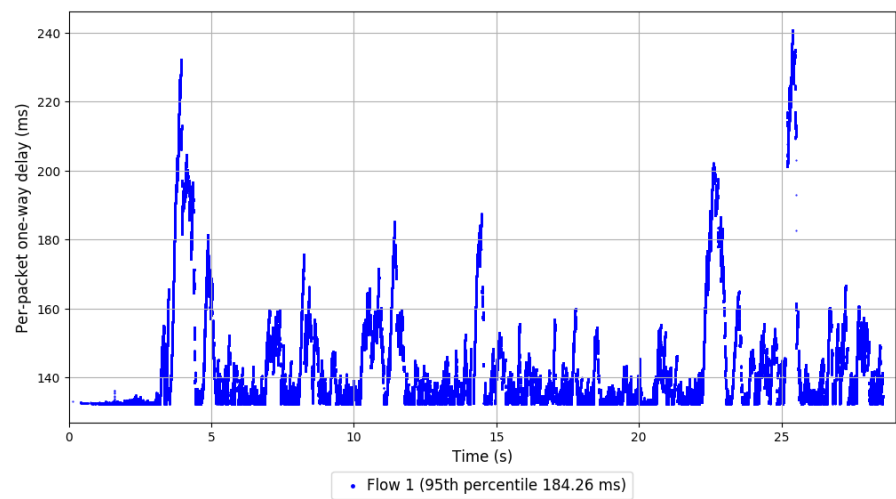
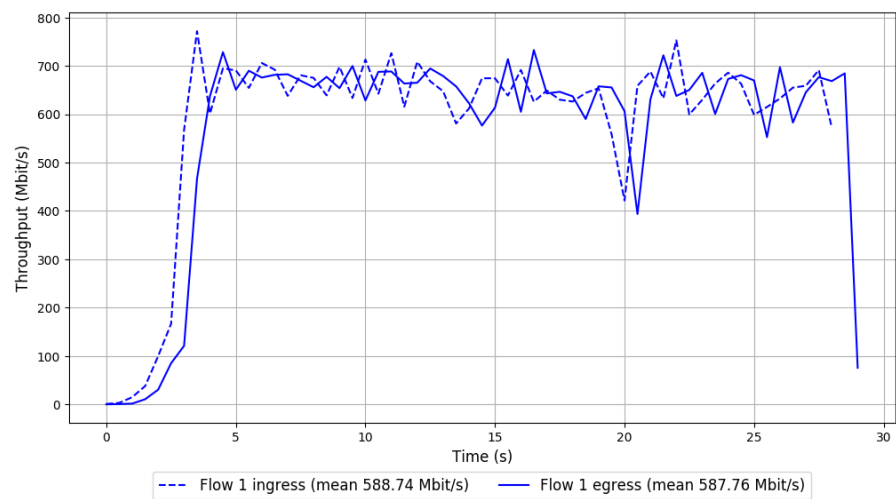


Run 2: Statistics of Indigo-MusesC5

Start at: 2019-02-11 23:37:11
End at: 2019-02-11 23:37:41
Local clock offset: 0.512 ms
Remote clock offset: -0.034 ms

Below is generated by plot.py at 2019-02-12 03:02:04
Datalink statistics
-- Total of 1 flow:
Average throughput: 587.76 Mbit/s
95th percentile per-packet one-way delay: 184.260 ms
Loss rate: 0.17%
-- Flow 1:
Average throughput: 587.76 Mbit/s
95th percentile per-packet one-way delay: 184.260 ms
Loss rate: 0.17%

Run 2: Report of Indigo-MusesC5 — Data Link

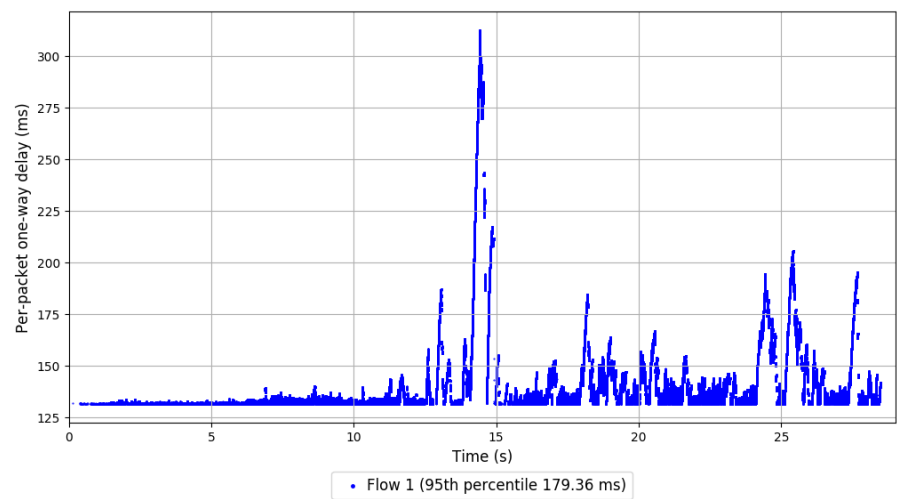
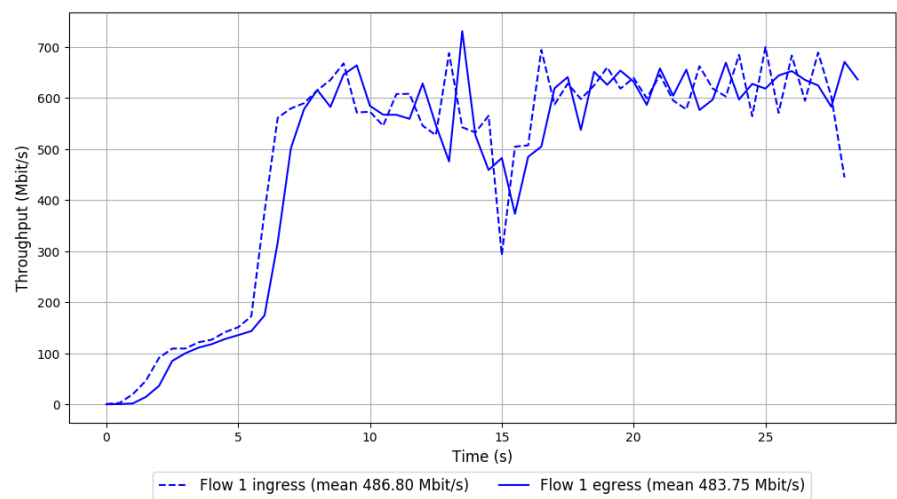


Run 3: Statistics of Indigo-MusesC5

Start at: 2019-02-12 00:14:14
End at: 2019-02-12 00:14:44
Local clock offset: 0.483 ms
Remote clock offset: -0.137 ms

Below is generated by plot.py at 2019-02-12 03:02:04
Datalink statistics
-- Total of 1 flow:
Average throughput: 483.75 Mbit/s
95th percentile per-packet one-way delay: 179.358 ms
Loss rate: 0.62%
-- Flow 1:
Average throughput: 483.75 Mbit/s
95th percentile per-packet one-way delay: 179.358 ms
Loss rate: 0.62%

Run 3: Report of Indigo-MusesC5 — Data Link

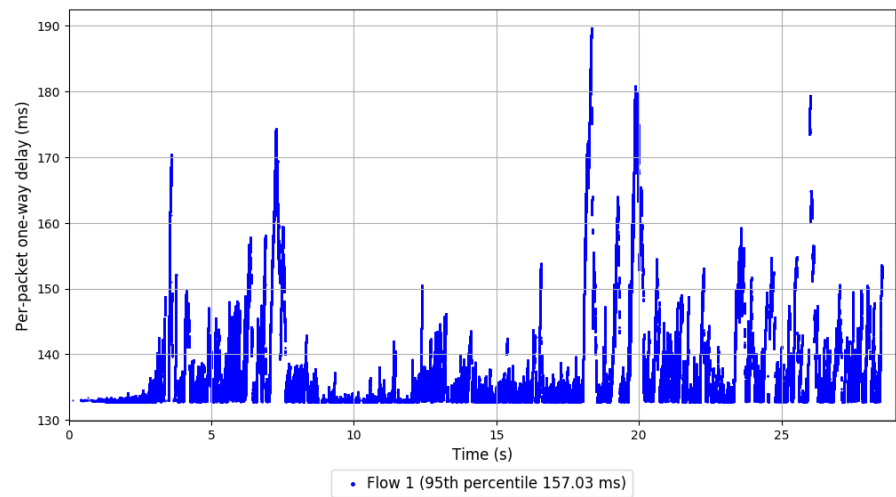
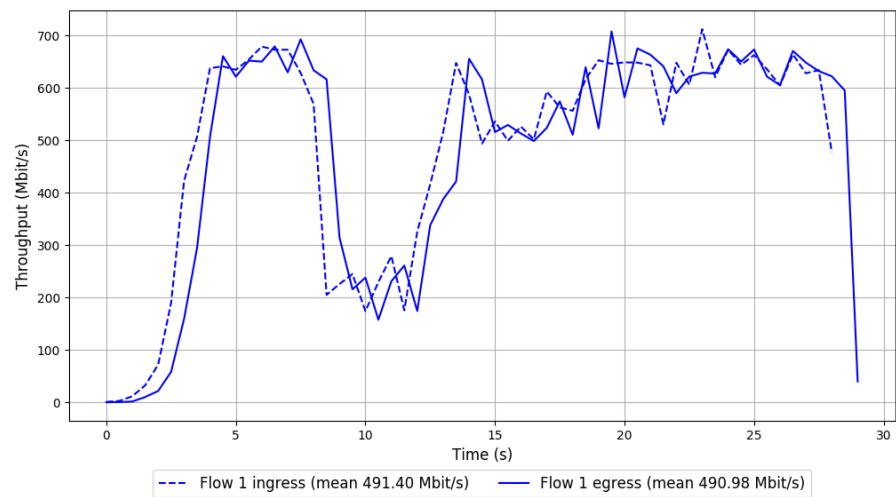


Run 4: Statistics of Indigo-MusesC5

Start at: 2019-02-12 00:49:43
End at: 2019-02-12 00:50:13
Local clock offset: -0.018 ms
Remote clock offset: -0.216 ms

Below is generated by plot.py at 2019-02-12 03:06:10
Datalink statistics
-- Total of 1 flow:
Average throughput: 490.98 Mbit/s
95th percentile per-packet one-way delay: 157.025 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 490.98 Mbit/s
95th percentile per-packet one-way delay: 157.025 ms
Loss rate: 0.08%

Run 4: Report of Indigo-MusesC5 — Data Link

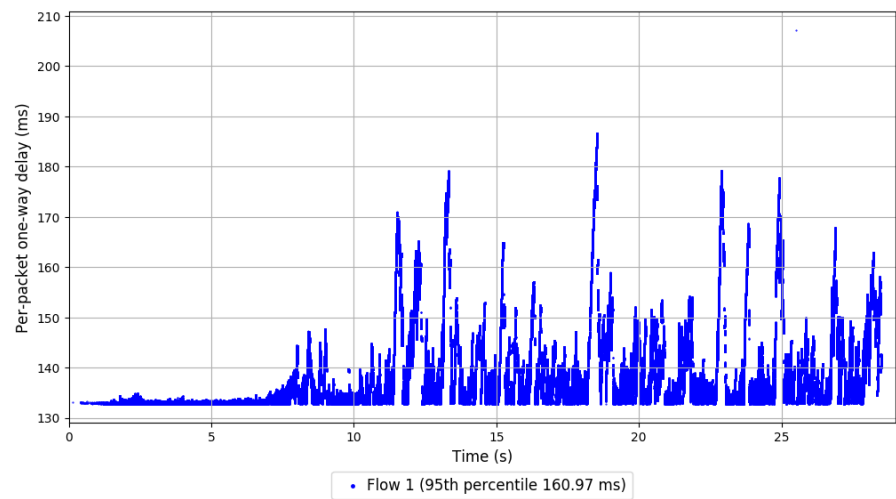
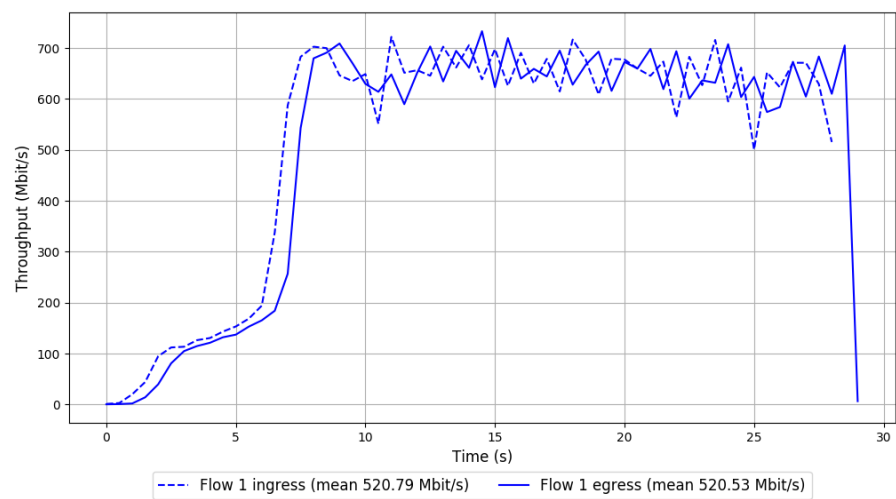


Run 5: Statistics of Indigo-MusesC5

Start at: 2019-02-12 01:26:44
End at: 2019-02-12 01:27:14
Local clock offset: -0.093 ms
Remote clock offset: -0.261 ms

Below is generated by plot.py at 2019-02-12 03:07:42
Datalink statistics
-- Total of 1 flow:
Average throughput: 520.53 Mbit/s
95th percentile per-packet one-way delay: 160.965 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 520.53 Mbit/s
95th percentile per-packet one-way delay: 160.965 ms
Loss rate: 0.05%

Run 5: Report of Indigo-MusesC5 — Data Link

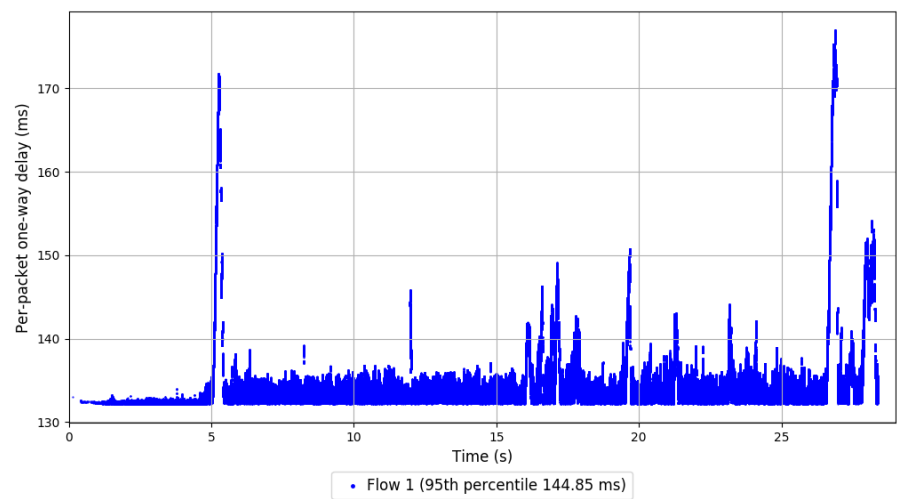
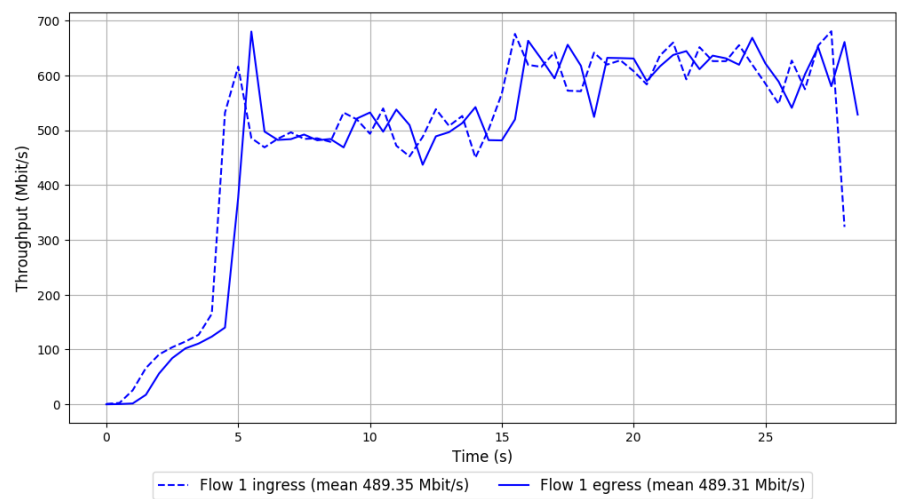


```
Run 1: Statistics of Indigo-MusesD

Start at: 2019-02-11 23:12:53
End at: 2019-02-11 23:13:23
Local clock offset: 0.219 ms
Remote clock offset: -0.396 ms

# Below is generated by plot.py at 2019-02-12 03:09:22
# Datalink statistics
-- Total of 1 flow:
Average throughput: 489.31 Mbit/s
95th percentile per-packet one-way delay: 144.850 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 489.31 Mbit/s
95th percentile per-packet one-way delay: 144.850 ms
Loss rate: 0.01%
```

Run 1: Report of Indigo-MusesD — Data Link



Run 2: Statistics of Indigo-MusesD

Start at: 2019-02-11 23:47:06

End at: 2019-02-11 23:47:36

Local clock offset: 0.255 ms

Remote clock offset: -0.089 ms

Below is generated by plot.py at 2019-02-12 03:11:00

Datalink statistics

-- Total of 1 flow:

Average throughput: 487.24 Mbit/s

95th percentile per-packet one-way delay: 141.986 ms

Loss rate: 0.00%

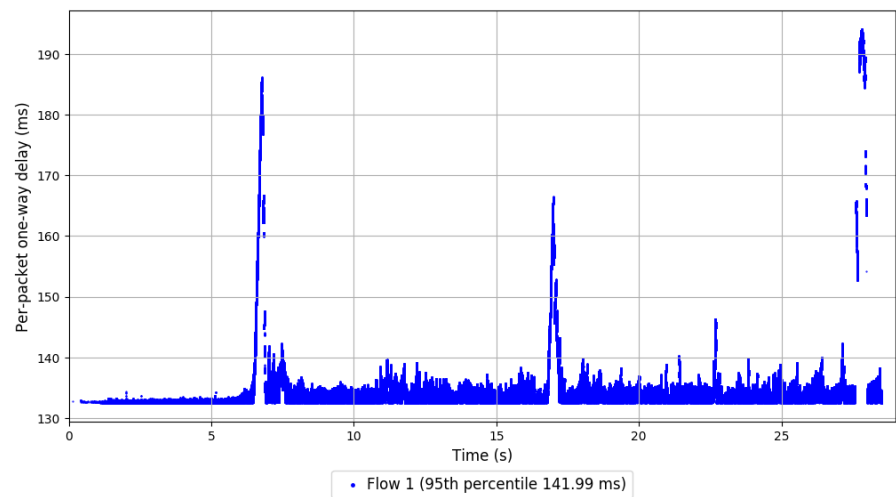
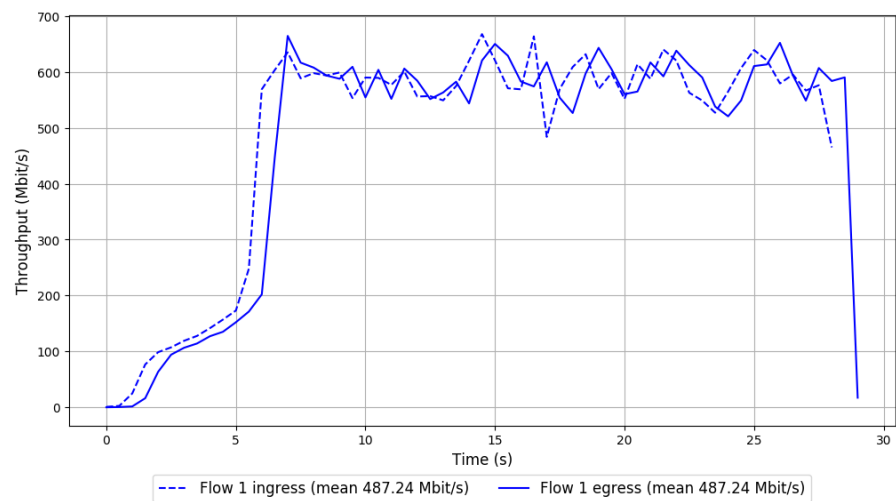
-- Flow 1:

Average throughput: 487.24 Mbit/s

95th percentile per-packet one-way delay: 141.986 ms

Loss rate: 0.00%

Run 2: Report of Indigo-MusesD — Data Link



Run 3: Statistics of Indigo-MusesD

Start at: 2019-02-12 00:23:58

End at: 2019-02-12 00:24:28

Local clock offset: -0.435 ms

Remote clock offset: -0.193 ms

Below is generated by plot.py at 2019-02-12 03:12:09

Datalink statistics

-- Total of 1 flow:

Average throughput: 505.44 Mbit/s

95th percentile per-packet one-way delay: 137.248 ms

Loss rate: 0.14%

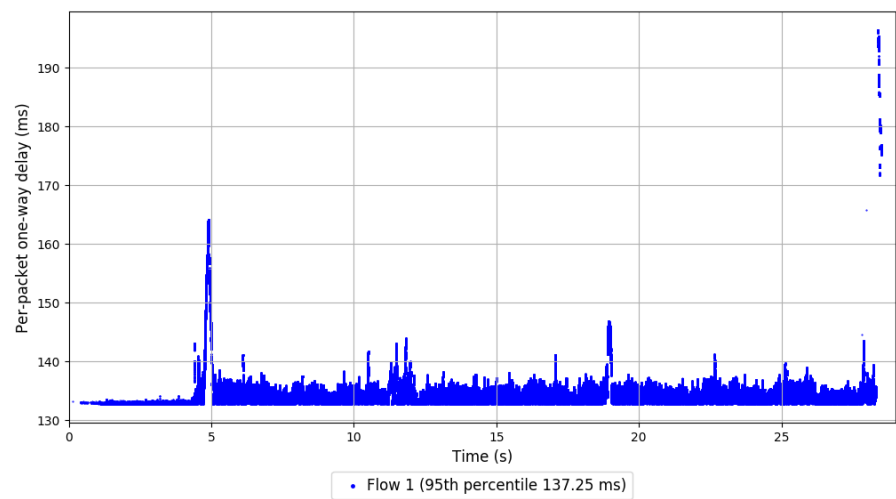
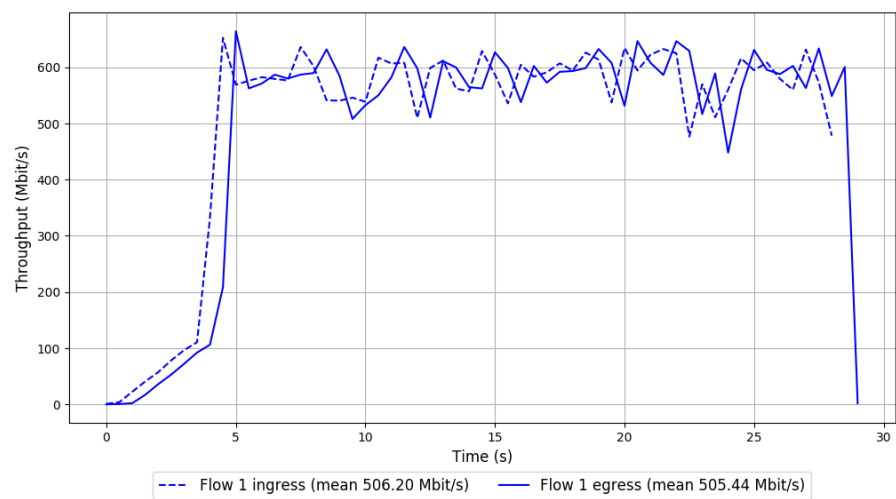
-- Flow 1:

Average throughput: 505.44 Mbit/s

95th percentile per-packet one-way delay: 137.248 ms

Loss rate: 0.14%

Run 3: Report of Indigo-MusesD — Data Link

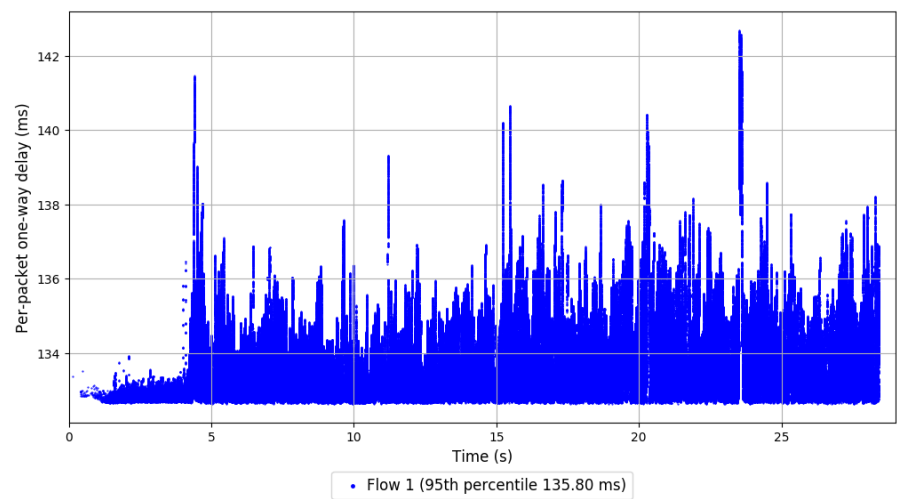
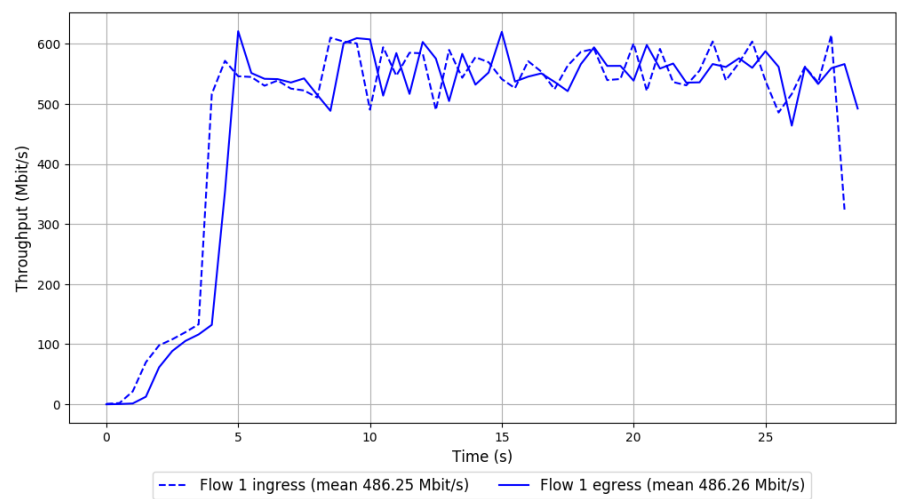


Run 4: Statistics of Indigo-MusesD

Start at: 2019-02-12 00:59:34
End at: 2019-02-12 01:00:04
Local clock offset: 0.133 ms
Remote clock offset: -0.229 ms

Below is generated by plot.py at 2019-02-12 03:12:09
Datalink statistics
-- Total of 1 flow:
Average throughput: 486.26 Mbit/s
95th percentile per-packet one-way delay: 135.800 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 486.26 Mbit/s
95th percentile per-packet one-way delay: 135.800 ms
Loss rate: 0.00%

Run 4: Report of Indigo-MusesD — Data Link



Run 5: Statistics of Indigo-MusesD

Start at: 2019-02-12 01:36:35

End at: 2019-02-12 01:37:05

Local clock offset: 0.134 ms

Remote clock offset: -0.205 ms

Below is generated by plot.py at 2019-02-12 03:13:02

Datalink statistics

-- Total of 1 flow:

Average throughput: 485.10 Mbit/s

95th percentile per-packet one-way delay: 141.725 ms

Loss rate: 0.01%

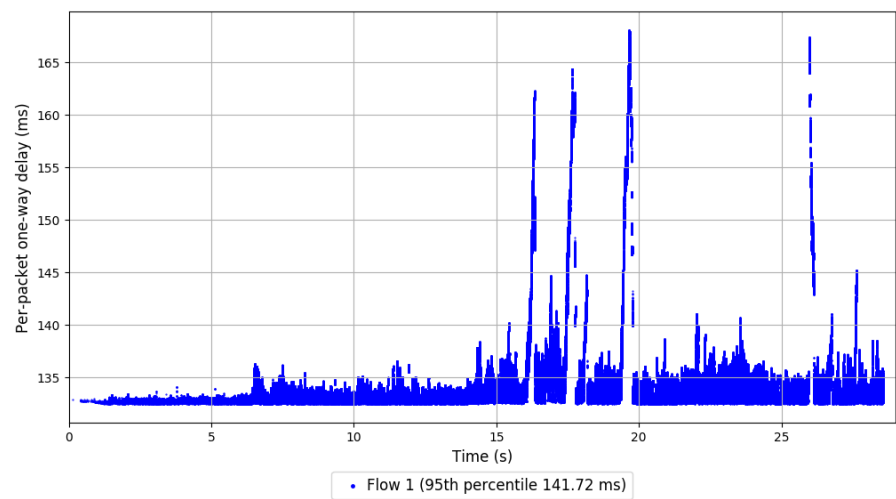
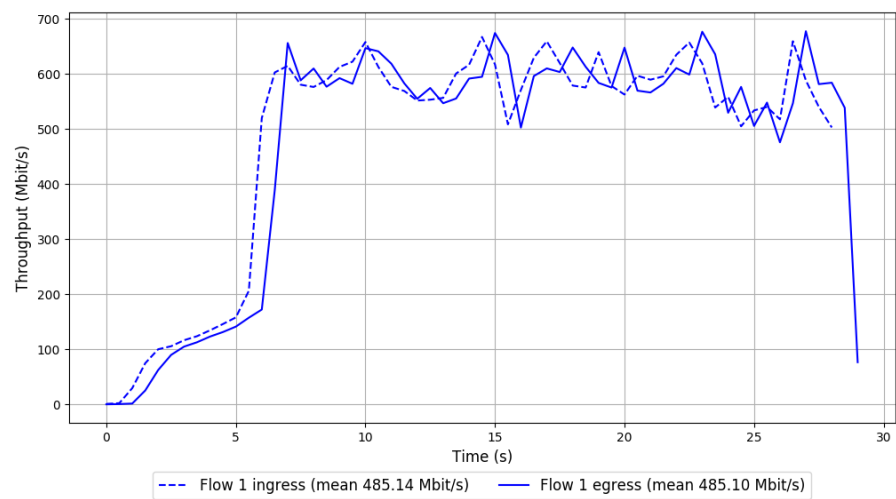
-- Flow 1:

Average throughput: 485.10 Mbit/s

95th percentile per-packet one-way delay: 141.725 ms

Loss rate: 0.01%

Run 5: Report of Indigo-MusesD — Data Link



Run 1: Statistics of Indigo-MusesT

Start at: 2019-02-11 22:49:32

End at: 2019-02-11 22:50:02

Local clock offset: 0.164 ms

Remote clock offset: -0.042 ms

Below is generated by plot.py at 2019-02-12 03:17:15

Datalink statistics

-- Total of 1 flow:

Average throughput: 632.11 Mbit/s

95th percentile per-packet one-way delay: 185.117 ms

Loss rate: 0.04%

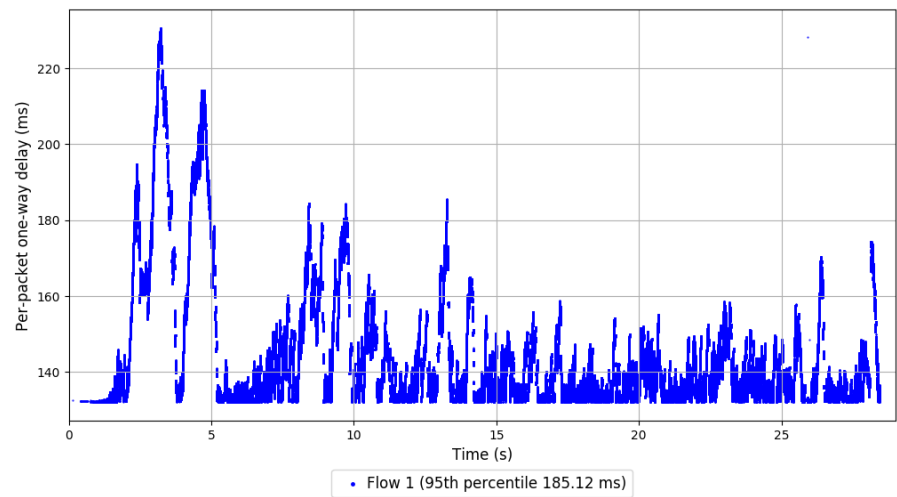
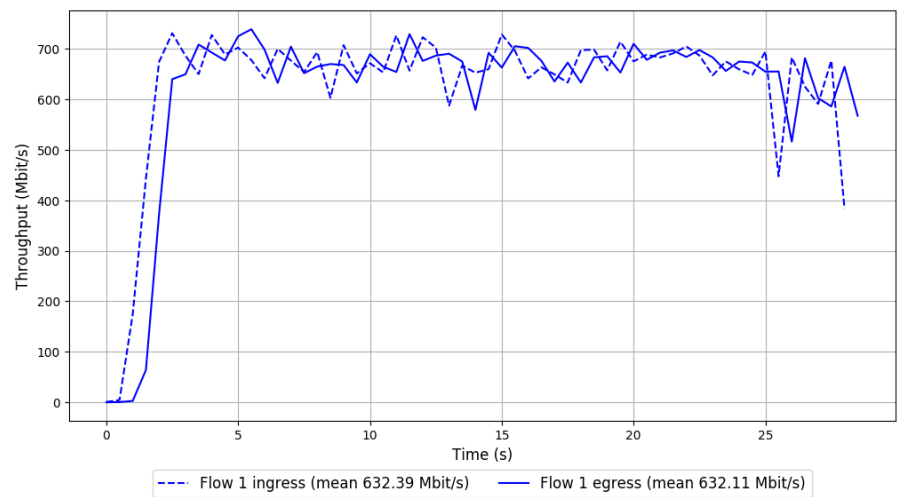
-- Flow 1:

Average throughput: 632.11 Mbit/s

95th percentile per-packet one-way delay: 185.117 ms

Loss rate: 0.04%

Run 1: Report of Indigo-MusesT — Data Link



Run 2: Statistics of Indigo-MusesT

Start at: 2019-02-11 23:21:55

End at: 2019-02-11 23:22:25

Local clock offset: -0.286 ms

Remote clock offset: 0.001 ms

Below is generated by plot.py at 2019-02-12 03:20:49

Datalink statistics

-- Total of 1 flow:

Average throughput: 612.34 Mbit/s

95th percentile per-packet one-way delay: 156.580 ms

Loss rate: 0.00%

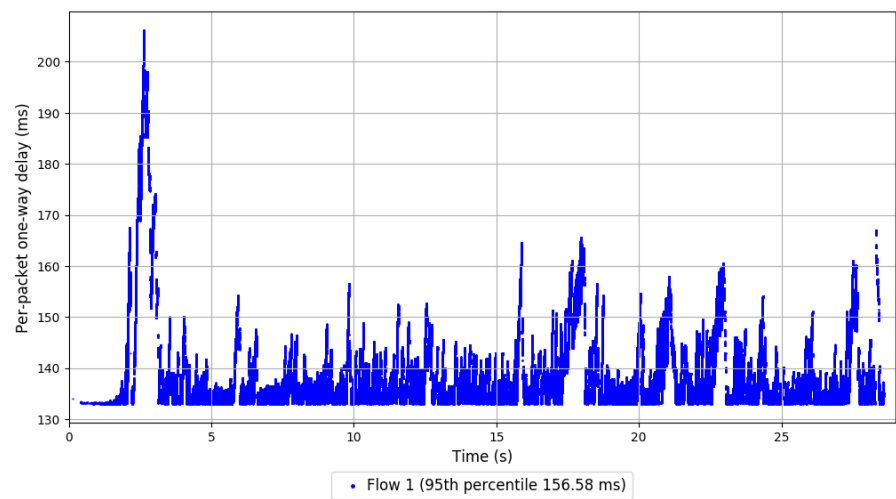
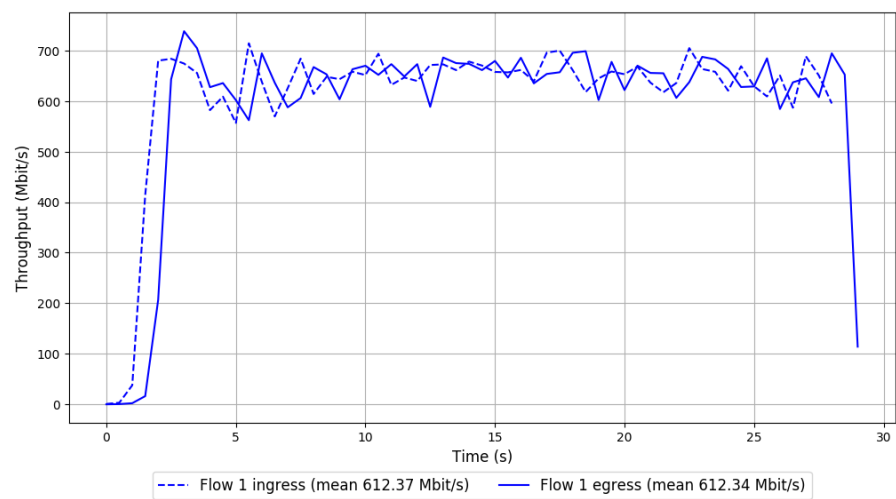
-- Flow 1:

Average throughput: 612.34 Mbit/s

95th percentile per-packet one-way delay: 156.580 ms

Loss rate: 0.00%

Run 2: Report of Indigo-MusesT — Data Link

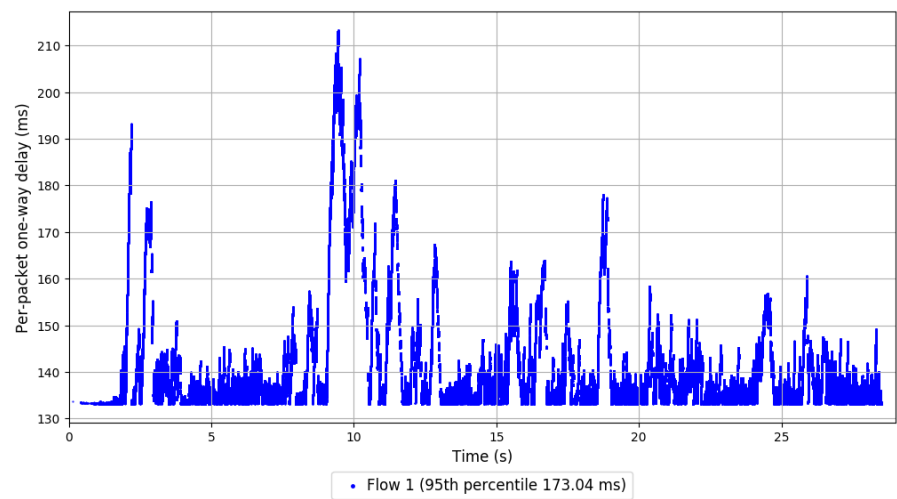
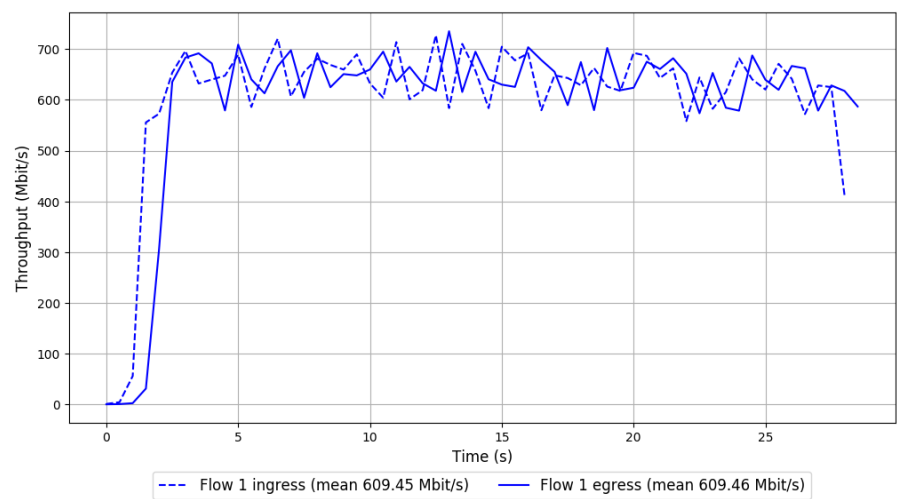


Run 3: Statistics of Indigo-MusesT

Start at: 2019-02-11 23:56:52
End at: 2019-02-11 23:57:22
Local clock offset: -0.257 ms
Remote clock offset: -0.084 ms

Below is generated by plot.py at 2019-02-12 03:21:39
Datalink statistics
-- Total of 1 flow:
Average throughput: 609.46 Mbit/s
95th percentile per-packet one-way delay: 173.037 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 609.46 Mbit/s
95th percentile per-packet one-way delay: 173.037 ms
Loss rate: 0.00%

Run 3: Report of Indigo-MusesT — Data Link



Run 4: Statistics of Indigo-MusesT

Start at: 2019-02-12 00:33:44

End at: 2019-02-12 00:34:14

Local clock offset: 0.211 ms

Remote clock offset: -0.184 ms

Below is generated by plot.py at 2019-02-12 03:21:39

Datalink statistics

-- Total of 1 flow:

Average throughput: 125.61 Mbit/s

95th percentile per-packet one-way delay: 133.335 ms

Loss rate: 0.00%

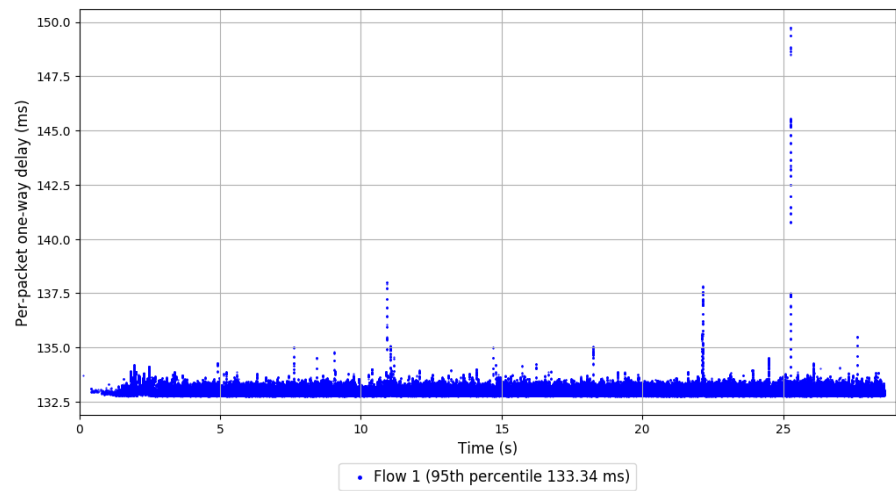
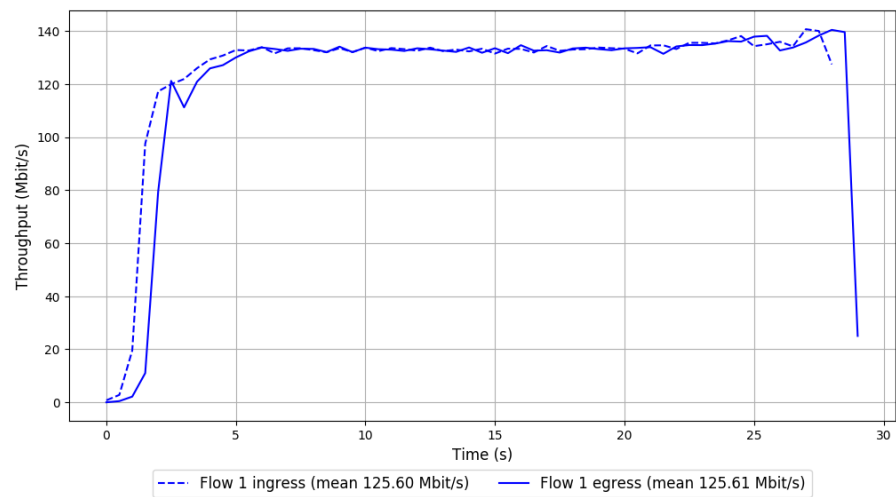
-- Flow 1:

Average throughput: 125.61 Mbit/s

95th percentile per-packet one-way delay: 133.335 ms

Loss rate: 0.00%

Run 4: Report of Indigo-MusesT — Data Link



Run 5: Statistics of Indigo-MusesT

Start at: 2019-02-12 01:09:28

End at: 2019-02-12 01:09:58

Local clock offset: 0.014 ms

Remote clock offset: -0.239 ms

Below is generated by plot.py at 2019-02-12 03:24:12

Datalink statistics

-- Total of 1 flow:

Average throughput: 607.77 Mbit/s

95th percentile per-packet one-way delay: 164.452 ms

Loss rate: 0.00%

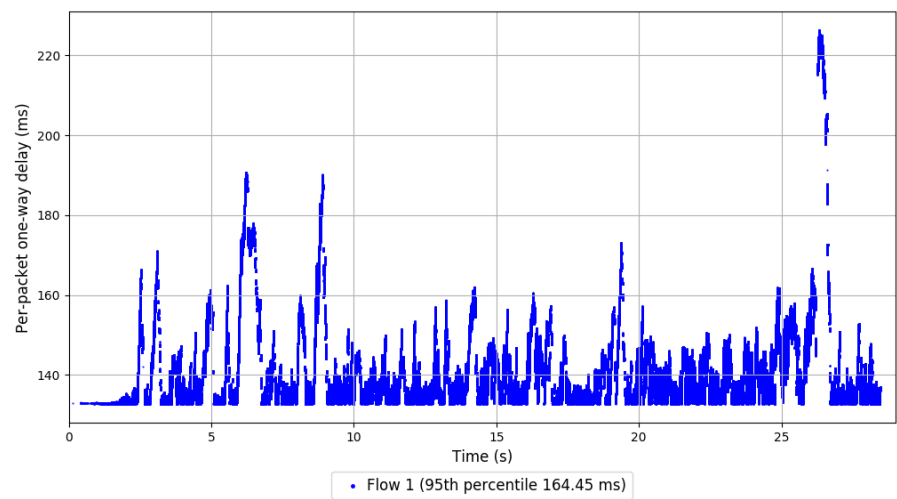
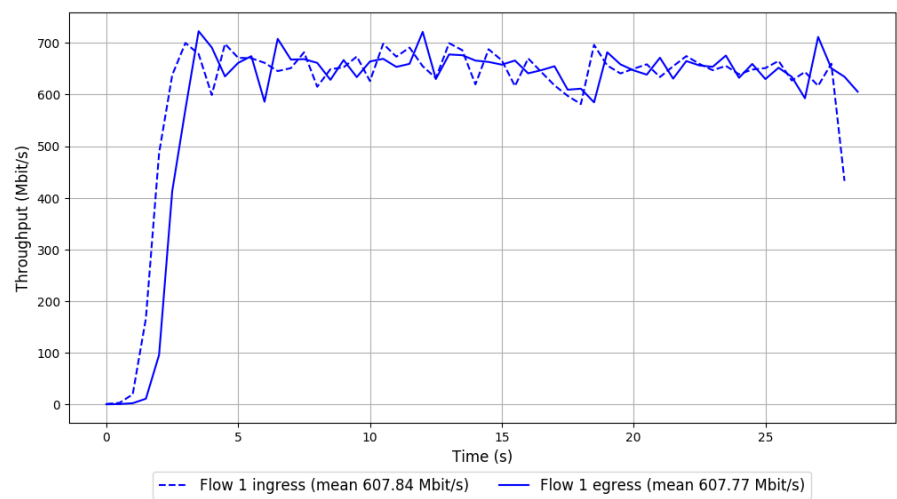
-- Flow 1:

Average throughput: 607.77 Mbit/s

95th percentile per-packet one-way delay: 164.452 ms

Loss rate: 0.00%

Run 5: Report of Indigo-MusesT — Data Link

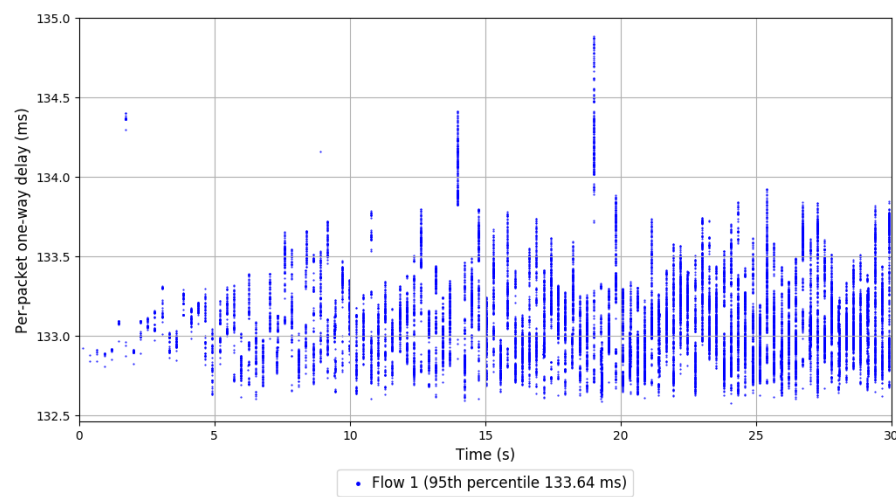
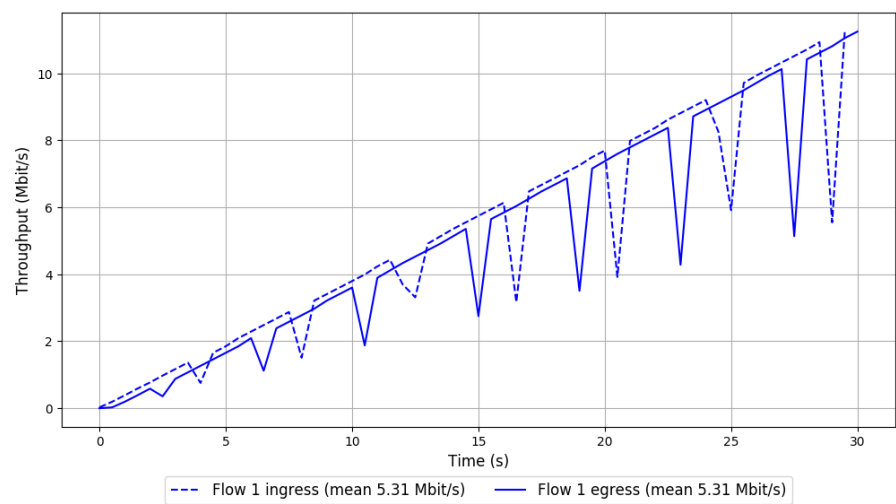


```
Run 1: Statistics of LEDBAT

Start at: 2019-02-11 23:16:57
End at: 2019-02-11 23:17:27
Local clock offset: 0.106 ms
Remote clock offset: 0.332 ms

# Below is generated by plot.py at 2019-02-12 03:24:12
# Datalink statistics
-- Total of 1 flow:
Average throughput: 5.31 Mbit/s
95th percentile per-packet one-way delay: 133.640 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 5.31 Mbit/s
95th percentile per-packet one-way delay: 133.640 ms
Loss rate: 0.00%
```

Run 1: Report of LEDBAT — Data Link

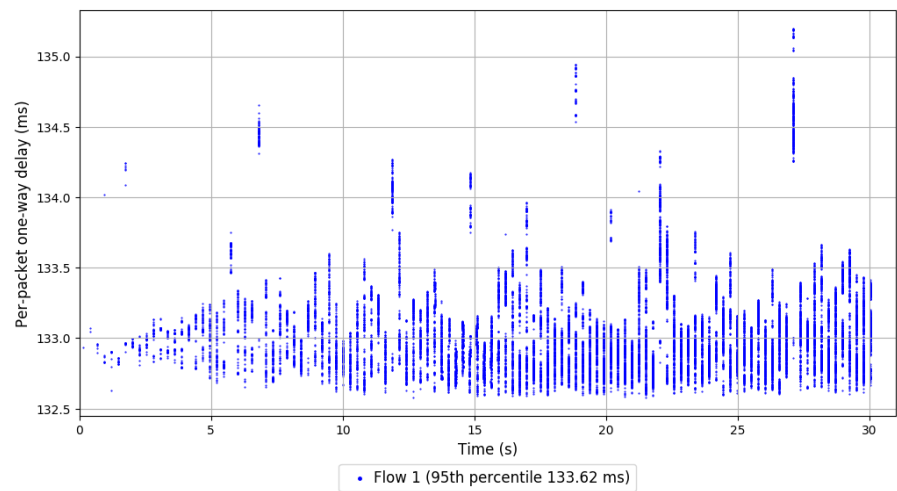
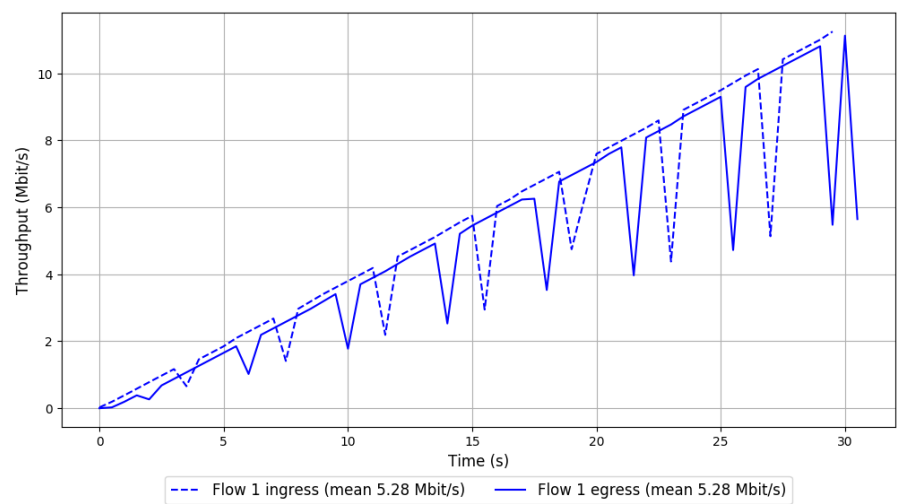


Run 2: Statistics of LEDBAT

Start at: 2019-02-11 23:51:32
End at: 2019-02-11 23:52:02
Local clock offset: 0.165 ms
Remote clock offset: -0.132 ms

Below is generated by plot.py at 2019-02-12 03:24:12
Datalink statistics
-- Total of 1 flow:
Average throughput: 5.28 Mbit/s
95th percentile per-packet one-way delay: 133.620 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 5.28 Mbit/s
95th percentile per-packet one-way delay: 133.620 ms
Loss rate: 0.00%

Run 2: Report of LEDBAT — Data Link

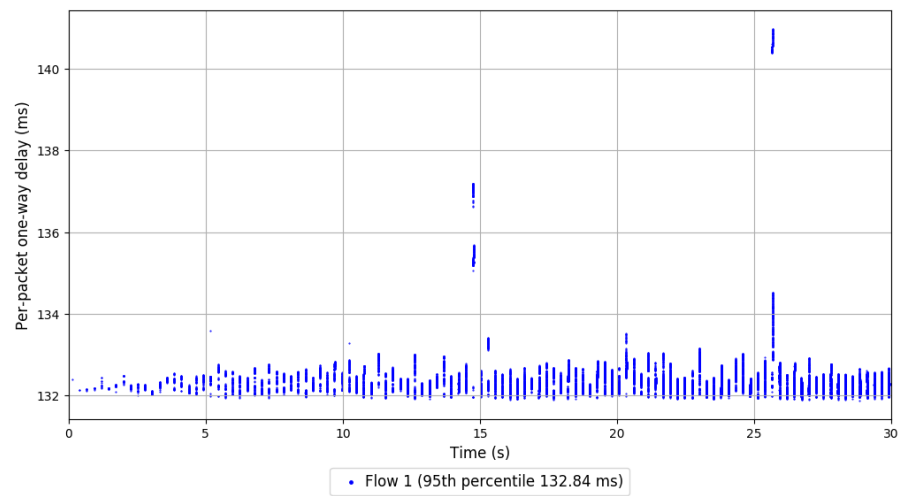
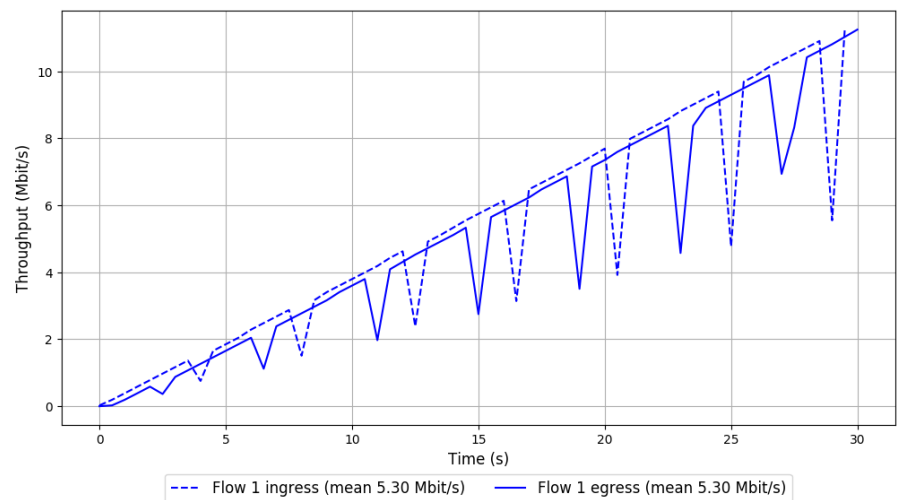


Run 3: Statistics of LEDBAT

Start at: 2019-02-12 00:28:29
End at: 2019-02-12 00:29:00
Local clock offset: 0.4 ms
Remote clock offset: -0.156 ms

Below is generated by plot.py at 2019-02-12 03:24:12
Datalink statistics
-- Total of 1 flow:
Average throughput: 5.30 Mbit/s
95th percentile per-packet one-way delay: 132.839 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 5.30 Mbit/s
95th percentile per-packet one-way delay: 132.839 ms
Loss rate: 0.00%

Run 3: Report of LEDBAT — Data Link

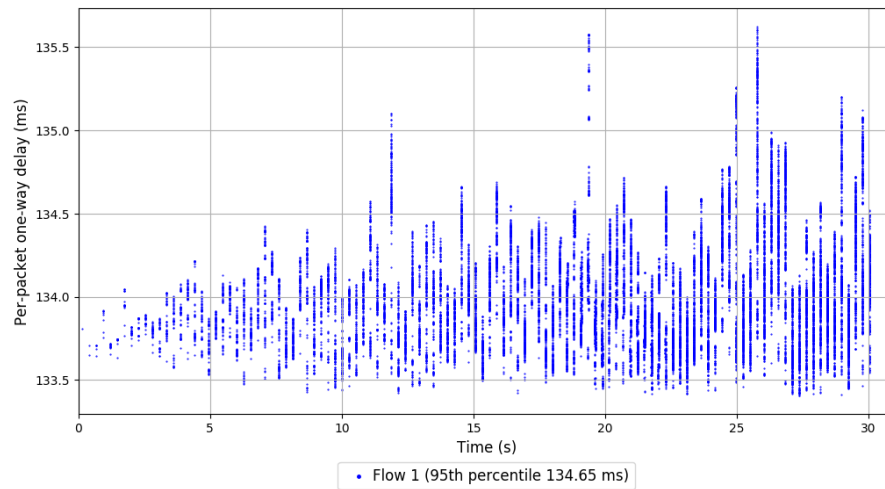
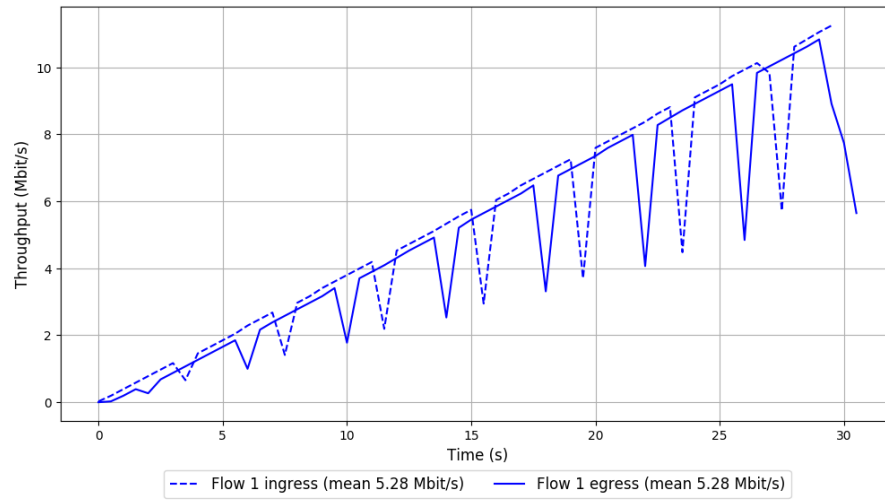


Run 4: Statistics of LEDBAT

Start at: 2019-02-12 01:03:57
End at: 2019-02-12 01:04:27
Local clock offset: -0.48 ms
Remote clock offset: -0.215 ms

Below is generated by plot.py at 2019-02-12 03:24:12
Datalink statistics
-- Total of 1 flow:
Average throughput: 5.28 Mbit/s
95th percentile per-packet one-way delay: 134.647 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 5.28 Mbit/s
95th percentile per-packet one-way delay: 134.647 ms
Loss rate: 0.00%

Run 4: Report of LEDBAT — Data Link

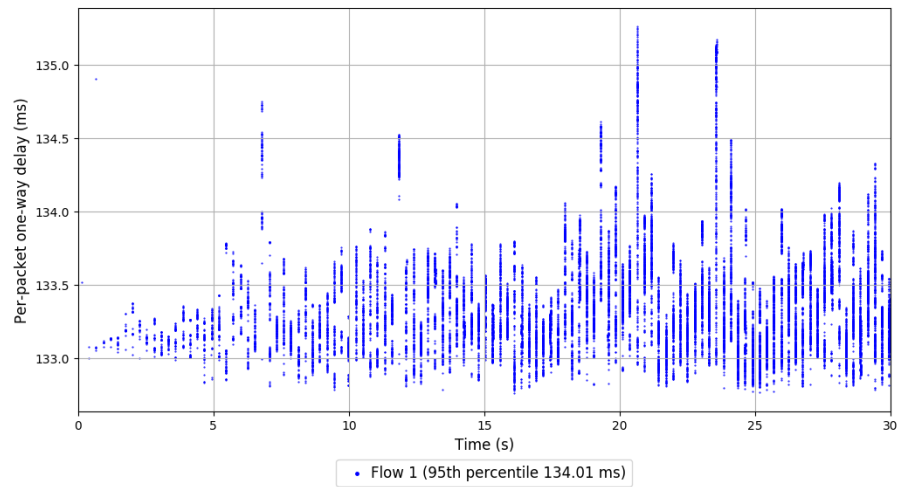
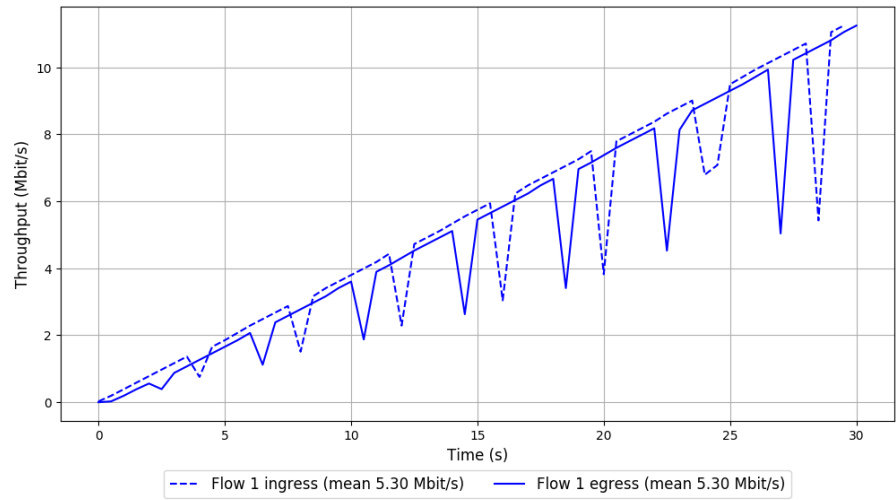


Run 5: Statistics of LEDBAT

Start at: 2019-02-12 01:40:45
End at: 2019-02-12 01:41:15
Local clock offset: -0.063 ms
Remote clock offset: -0.173 ms

Below is generated by plot.py at 2019-02-12 03:24:12
Datalink statistics
-- Total of 1 flow:
Average throughput: 5.30 Mbit/s
95th percentile per-packet one-way delay: 134.011 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 5.30 Mbit/s
95th percentile per-packet one-way delay: 134.011 ms
Loss rate: 0.00%

Run 5: Report of LEDBAT — Data Link

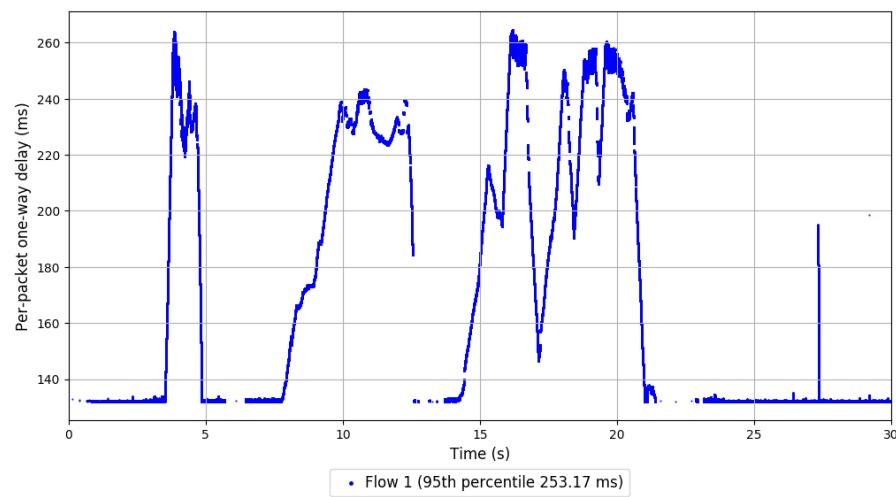
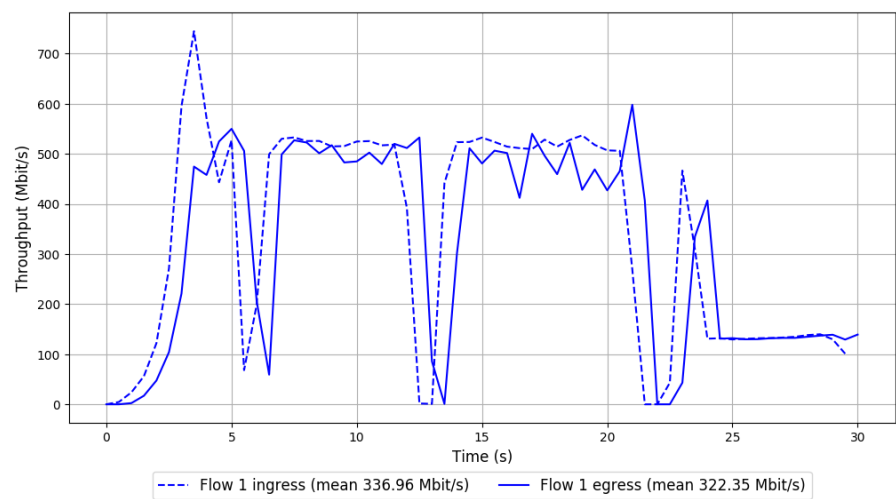


Run 1: Statistics of PCC-Allegro

Start at: 2019-02-11 22:51:19
End at: 2019-02-11 22:51:49
Local clock offset: -0.067 ms
Remote clock offset: -0.352 ms

Below is generated by plot.py at 2019-02-12 03:28:22
Datalink statistics
-- Total of 1 flow:
Average throughput: 322.35 Mbit/s
95th percentile per-packet one-way delay: 253.169 ms
Loss rate: 4.34%
-- Flow 1:
Average throughput: 322.35 Mbit/s
95th percentile per-packet one-way delay: 253.169 ms
Loss rate: 4.34%

Run 1: Report of PCC-Allegro — Data Link



Run 2: Statistics of PCC-Allegro

Start at: 2019-02-11 23:23:40

End at: 2019-02-11 23:24:10

Local clock offset: -0.073 ms

Remote clock offset: -0.015 ms

Below is generated by plot.py at 2019-02-12 03:32:59

Datalink statistics

-- Total of 1 flow:

Average throughput: 416.61 Mbit/s

95th percentile per-packet one-way delay: 238.046 ms

Loss rate: 1.47%

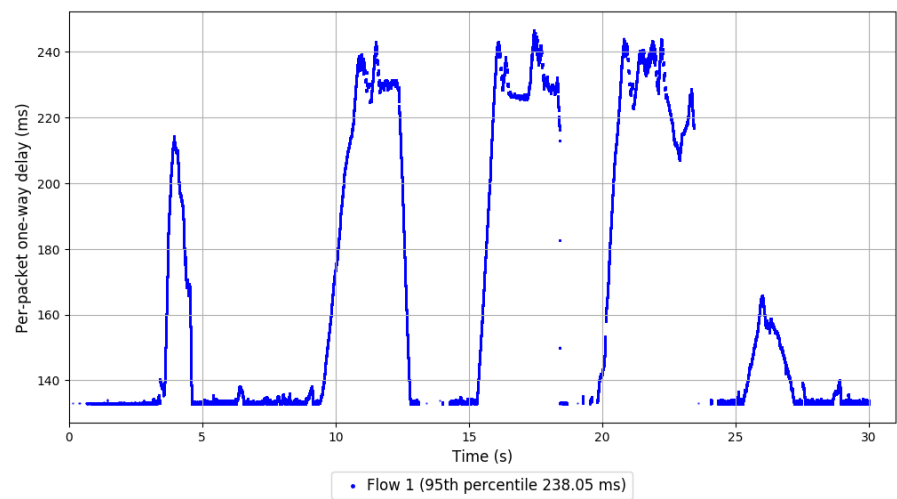
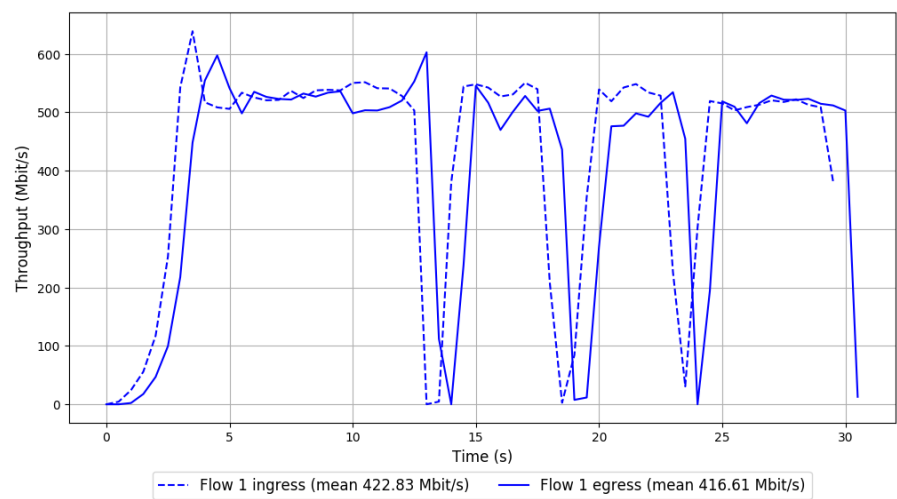
-- Flow 1:

Average throughput: 416.61 Mbit/s

95th percentile per-packet one-way delay: 238.046 ms

Loss rate: 1.47%

Run 2: Report of PCC-Allegro — Data Link



Run 3: Statistics of PCC-Allegro

Start at: 2019-02-11 23:58:55

End at: 2019-02-11 23:59:25

Local clock offset: 0.149 ms

Remote clock offset: -0.159 ms

Below is generated by plot.py at 2019-02-12 03:33:15

Datalink statistics

-- Total of 1 flow:

Average throughput: 426.52 Mbit/s

95th percentile per-packet one-way delay: 241.450 ms

Loss rate: 2.45%

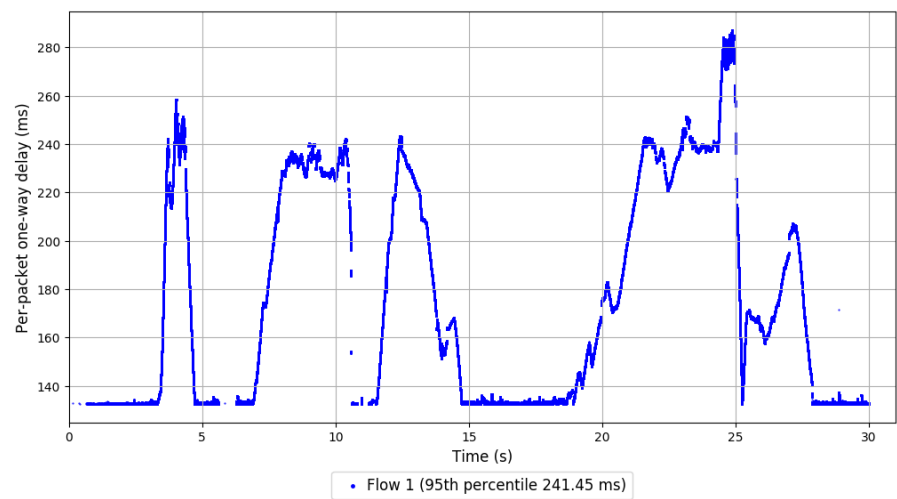
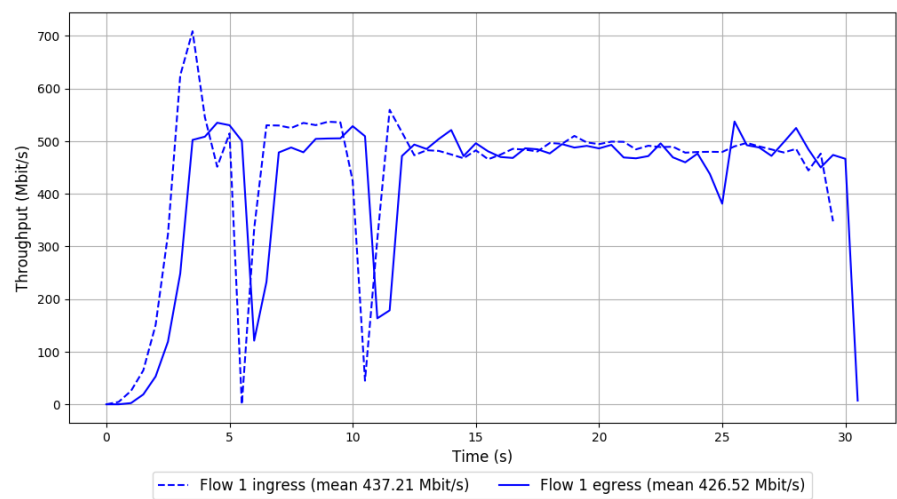
-- Flow 1:

Average throughput: 426.52 Mbit/s

95th percentile per-packet one-way delay: 241.450 ms

Loss rate: 2.45%

Run 3: Report of PCC-Allegro — Data Link



Run 4: Statistics of PCC-Allegro

Start at: 2019-02-12 00:35:04

End at: 2019-02-12 00:35:34

Local clock offset: -0.446 ms

Remote clock offset: 0.169 ms

Below is generated by plot.py at 2019-02-12 03:33:15

Datalink statistics

-- Total of 1 flow:

Average throughput: 388.22 Mbit/s

95th percentile per-packet one-way delay: 241.671 ms

Loss rate: 2.30%

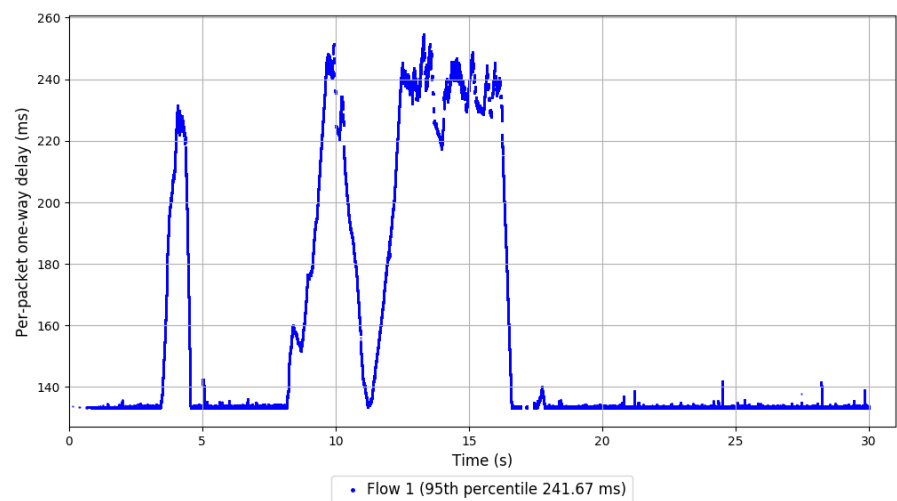
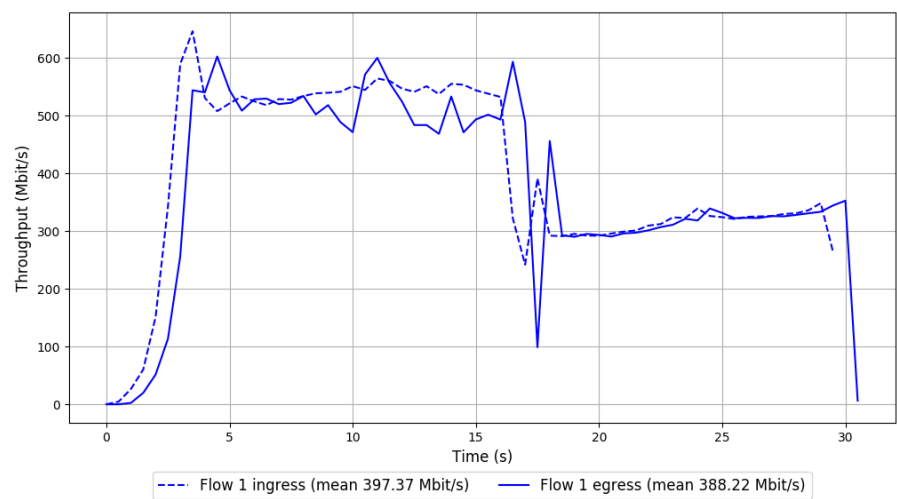
-- Flow 1:

Average throughput: 388.22 Mbit/s

95th percentile per-packet one-way delay: 241.671 ms

Loss rate: 2.30%

Run 4: Report of PCC-Allegro — Data Link

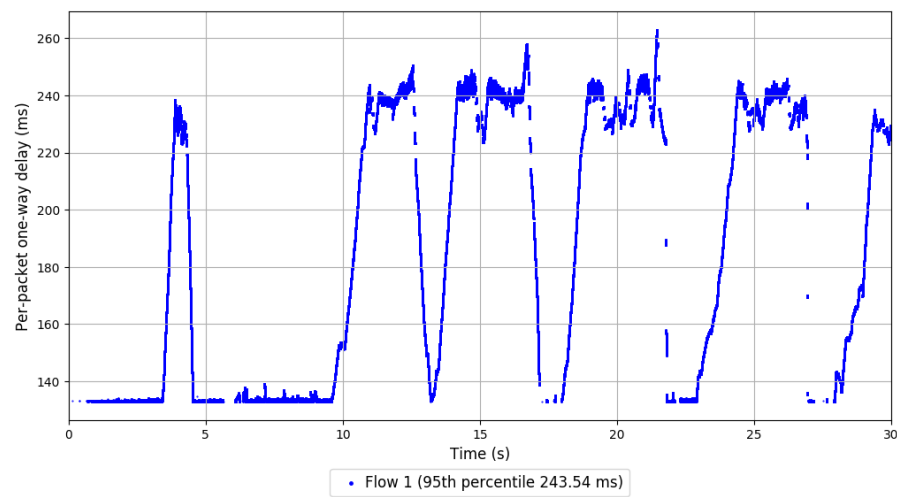
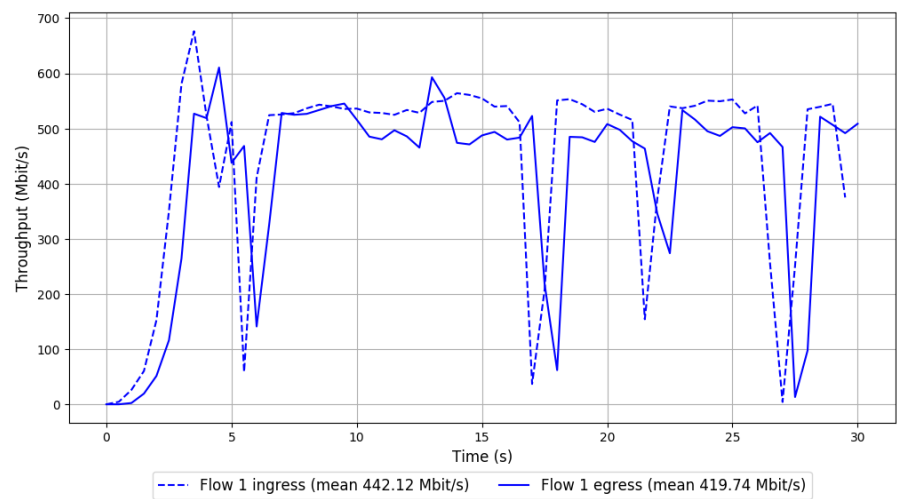


Run 5: Statistics of PCC-Allegro

Start at: 2019-02-12 01:11:35
End at: 2019-02-12 01:12:05
Local clock offset: -0.084 ms
Remote clock offset: -0.171 ms

Below is generated by plot.py at 2019-02-12 03:38:24
Datalink statistics
-- Total of 1 flow:
Average throughput: 419.74 Mbit/s
95th percentile per-packet one-way delay: 243.539 ms
Loss rate: 5.06%
-- Flow 1:
Average throughput: 419.74 Mbit/s
95th percentile per-packet one-way delay: 243.539 ms
Loss rate: 5.06%

Run 5: Report of PCC-Allegro — Data Link



Run 1: Statistics of PCC-Expr

Start at: 2019-02-11 22:47:47

End at: 2019-02-11 22:48:17

Local clock offset: -0.061 ms

Remote clock offset: 0.335 ms

Below is generated by plot.py at 2019-02-12 03:38:24

Datalink statistics

-- Total of 1 flow:

Average throughput: 301.60 Mbit/s

95th percentile per-packet one-way delay: 226.314 ms

Loss rate: 2.82%

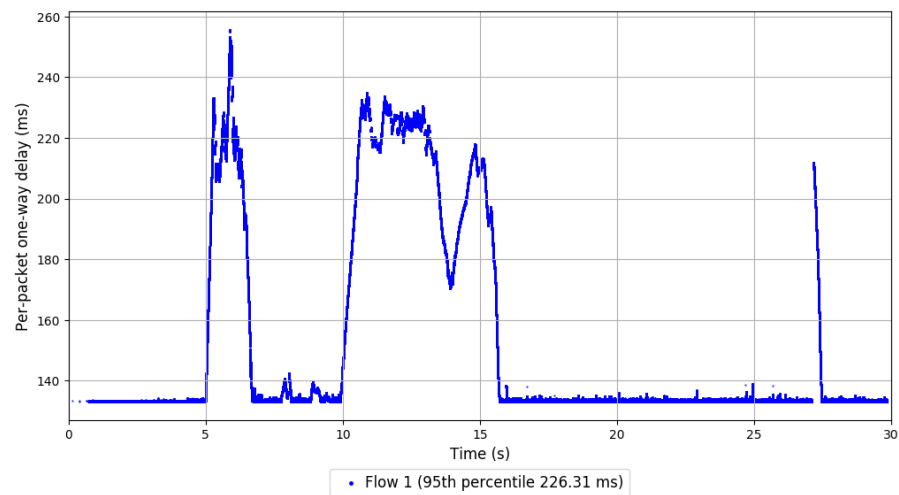
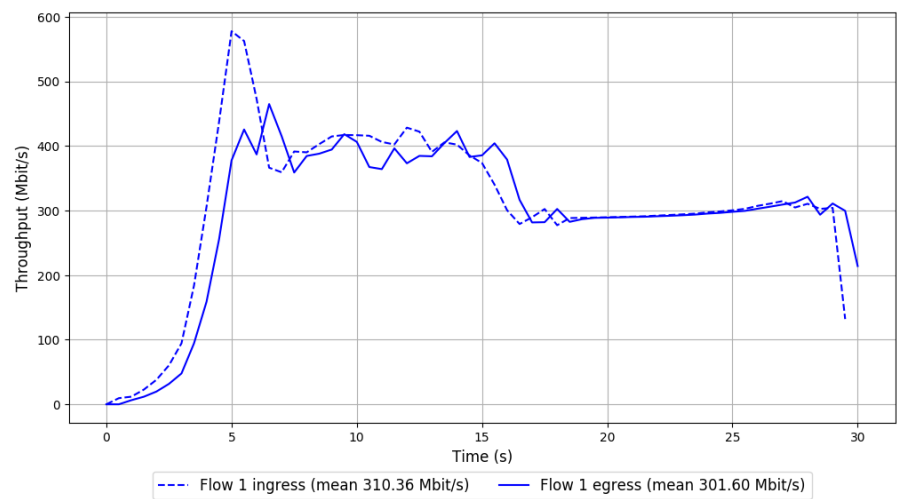
-- Flow 1:

Average throughput: 301.60 Mbit/s

95th percentile per-packet one-way delay: 226.314 ms

Loss rate: 2.82%

Run 1: Report of PCC-Expr — Data Link

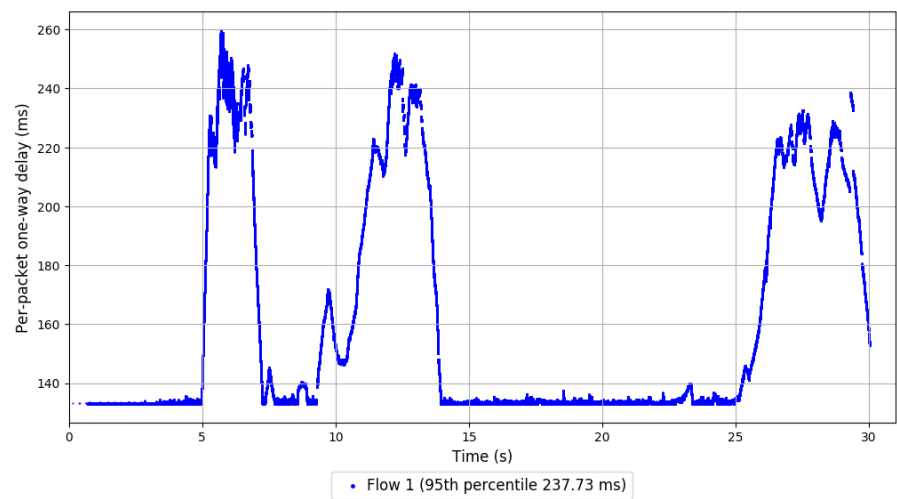
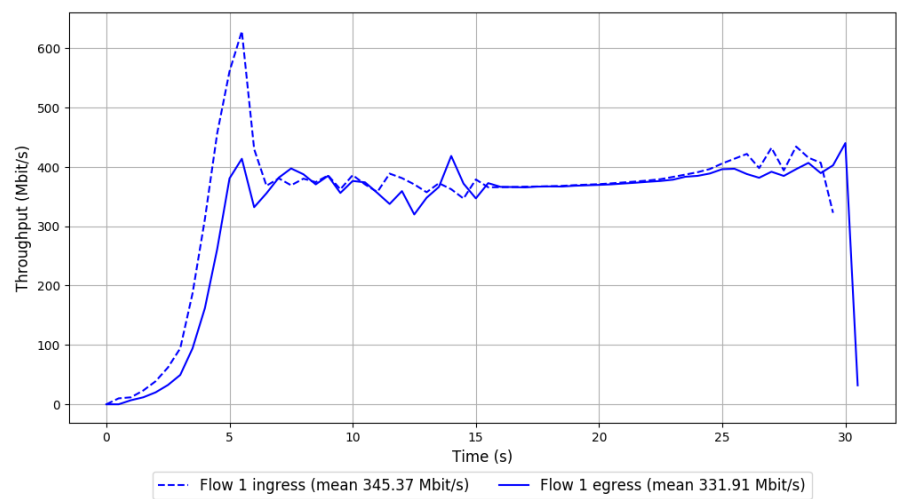


Run 2: Statistics of PCC-Expr

Start at: 2019-02-11 23:19:58
End at: 2019-02-11 23:20:28
Local clock offset: -0.134 ms
Remote clock offset: -0.039 ms

Below is generated by plot.py at 2019-02-12 03:38:24
Datalink statistics
-- Total of 1 flow:
Average throughput: 331.91 Mbit/s
95th percentile per-packet one-way delay: 237.728 ms
Loss rate: 3.89%
-- Flow 1:
Average throughput: 331.91 Mbit/s
95th percentile per-packet one-way delay: 237.728 ms
Loss rate: 3.89%

Run 2: Report of PCC-Expr — Data Link

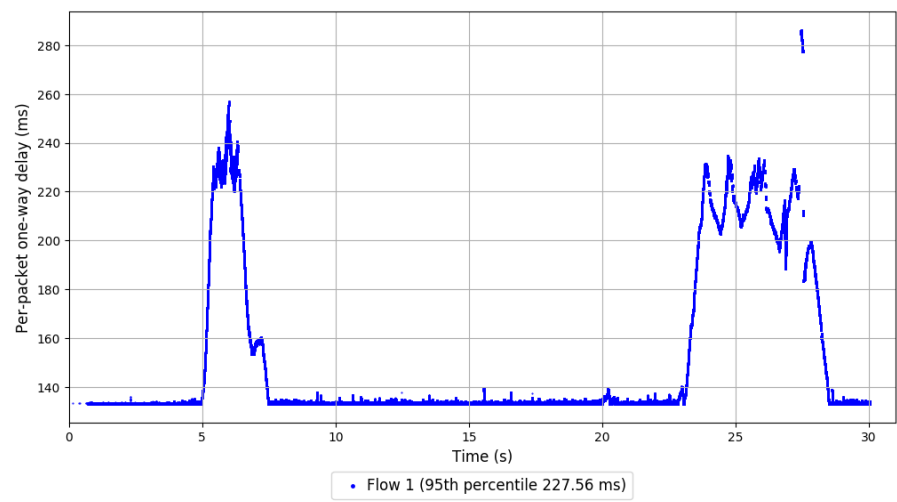
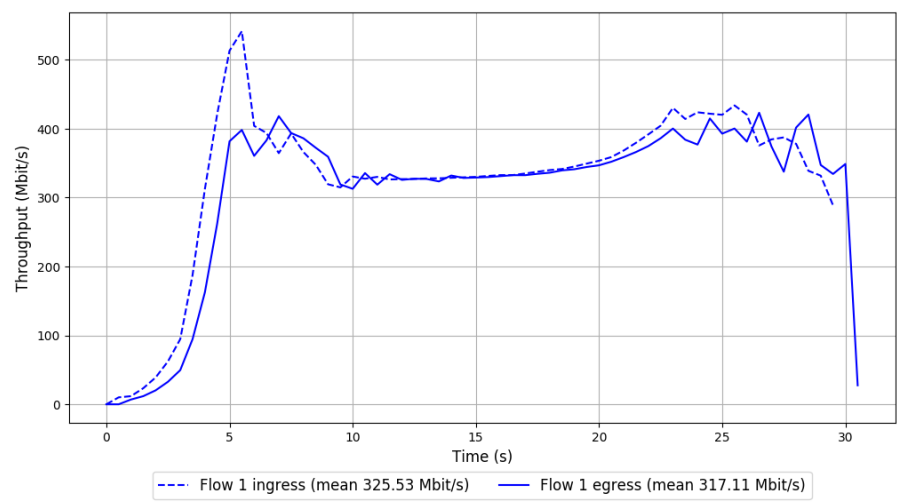


Run 3: Statistics of PCC-Expr

Start at: 2019-02-11 23:54:52
End at: 2019-02-11 23:55:22
Local clock offset: 0.02 ms
Remote clock offset: -0.126 ms

Below is generated by plot.py at 2019-02-12 03:40:26
Datalink statistics
-- Total of 1 flow:
Average throughput: 317.11 Mbit/s
95th percentile per-packet one-way delay: 227.557 ms
Loss rate: 2.59%
-- Flow 1:
Average throughput: 317.11 Mbit/s
95th percentile per-packet one-way delay: 227.557 ms
Loss rate: 2.59%

Run 3: Report of PCC-Expr — Data Link

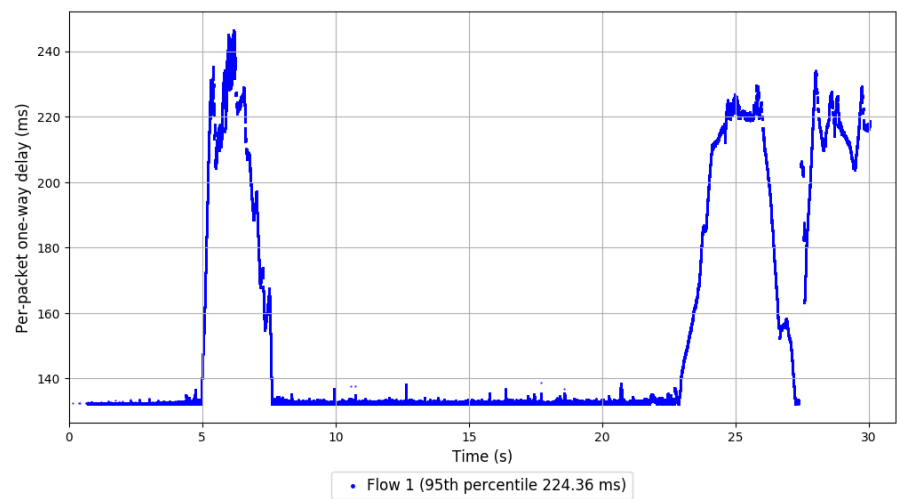
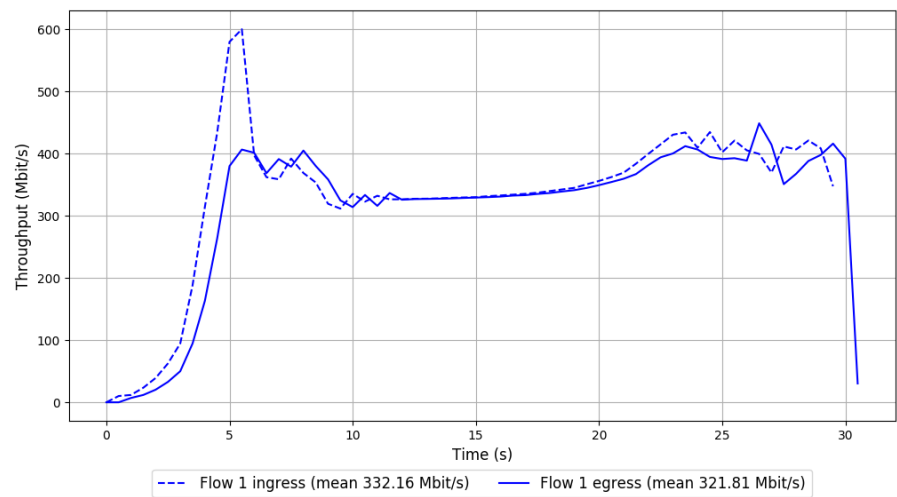


Run 4: Statistics of PCC-Expr

Start at: 2019-02-12 00:31:37
End at: 2019-02-12 00:32:07
Local clock offset: 0.404 ms
Remote clock offset: -0.278 ms

Below is generated by plot.py at 2019-02-12 03:43:35
Datalink statistics
-- Total of 1 flow:
Average throughput: 321.81 Mbit/s
95th percentile per-packet one-way delay: 224.357 ms
Loss rate: 3.11%
-- Flow 1:
Average throughput: 321.81 Mbit/s
95th percentile per-packet one-way delay: 224.357 ms
Loss rate: 3.11%

Run 4: Report of PCC-Expr — Data Link

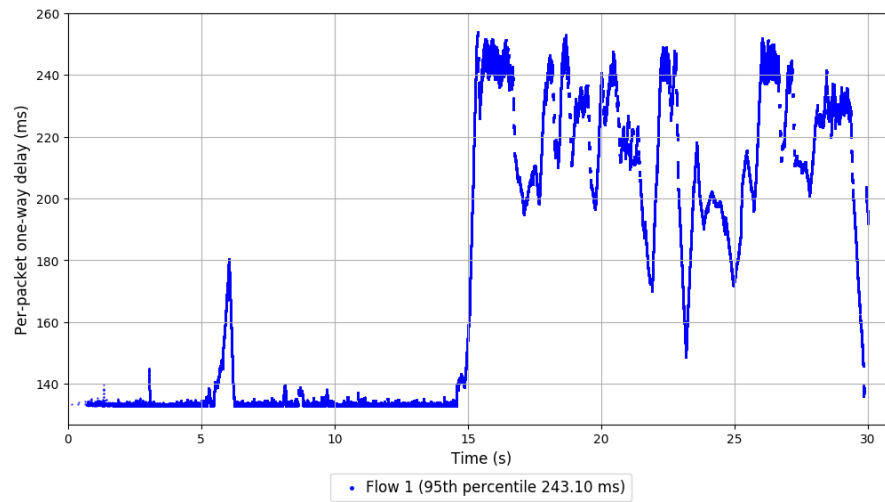
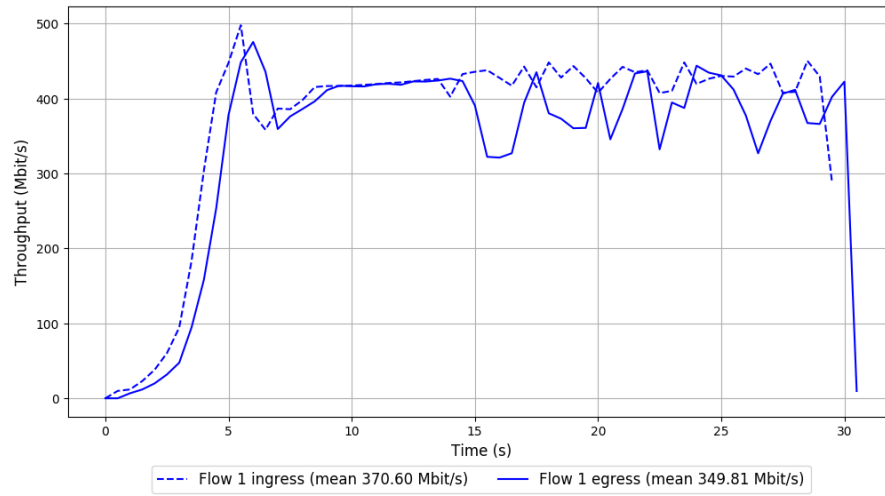


Run 5: Statistics of PCC-Expr

Start at: 2019-02-12 01:07:11
End at: 2019-02-12 01:07:41
Local clock offset: 0.104 ms
Remote clock offset: -0.034 ms

Below is generated by plot.py at 2019-02-12 03:49:20
Datalink statistics
-- Total of 1 flow:
Average throughput: 349.81 Mbit/s
95th percentile per-packet one-way delay: 243.098 ms
Loss rate: 5.80%
-- Flow 1:
Average throughput: 349.81 Mbit/s
95th percentile per-packet one-way delay: 243.098 ms
Loss rate: 5.80%

Run 5: Report of PCC-Expr — Data Link



Run 1: Statistics of QUIC Cubic

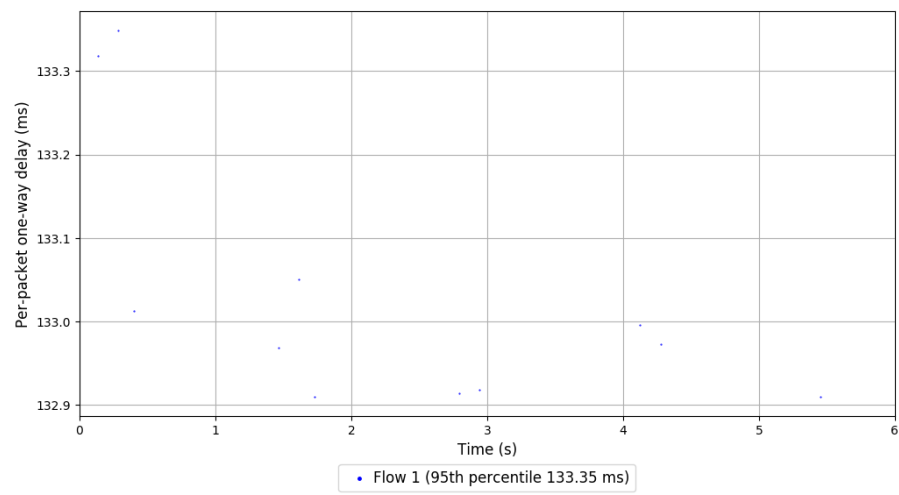
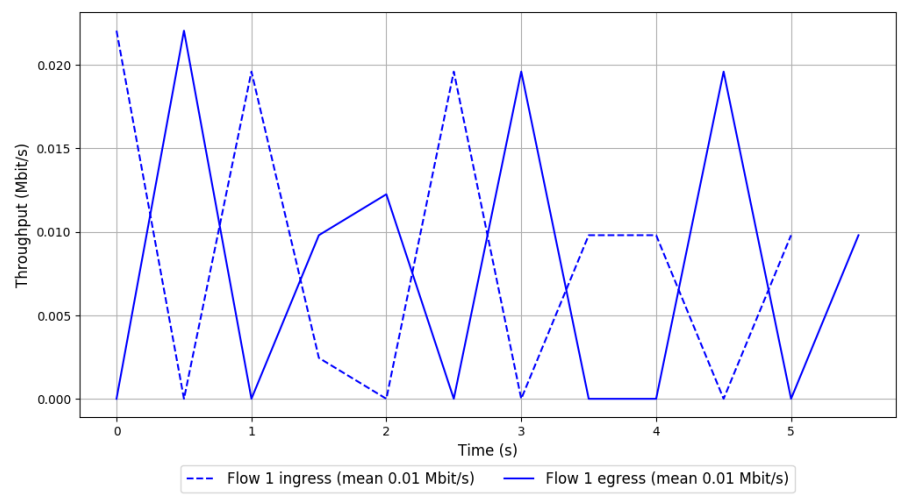
Start at: 2019-02-11 23:14:36

End at: 2019-02-11 23:15:06

Local clock offset: -0.054 ms

Remote clock offset: -0.065 ms

Run 1: Report of QUIC Cubic — Data Link

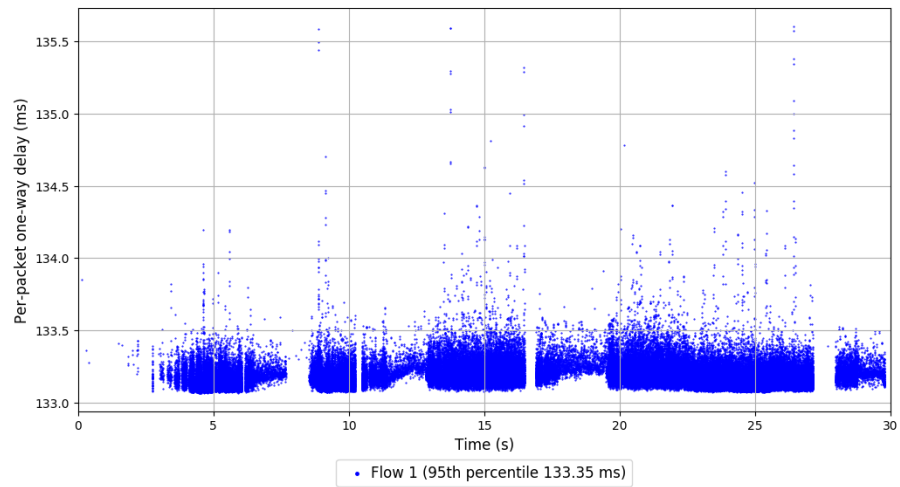
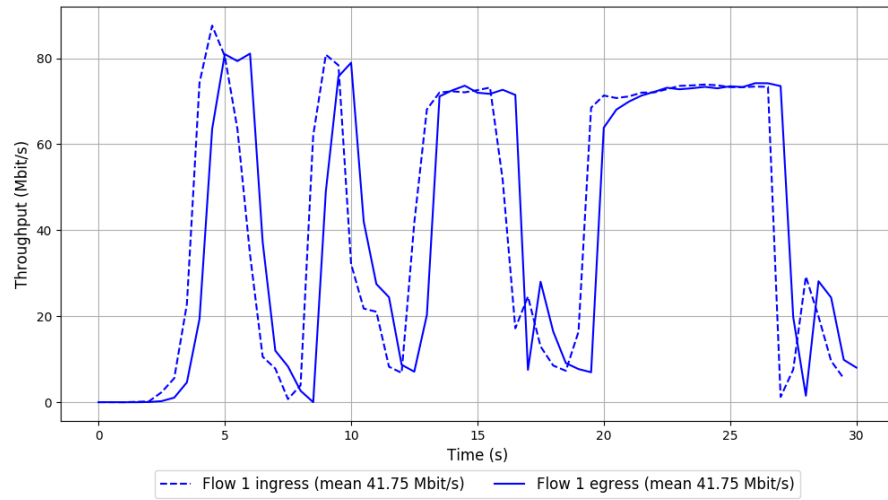


Run 2: Statistics of QUIC Cubic

Start at: 2019-02-11 23:49:05
End at: 2019-02-11 23:49:35
Local clock offset: -0.413 ms
Remote clock offset: -0.068 ms

Below is generated by plot.py at 2019-02-12 03:49:20
Datalink statistics
-- Total of 1 flow:
Average throughput: 41.75 Mbit/s
95th percentile per-packet one-way delay: 133.348 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 41.75 Mbit/s
95th percentile per-packet one-way delay: 133.348 ms
Loss rate: 0.00%

Run 2: Report of QUIC Cubic — Data Link



Run 3: Statistics of QUIC Cubic

Start at: 2019-02-12 00:26:03

End at: 2019-02-12 00:26:33

Local clock offset: 0.357 ms

Remote clock offset: -0.202 ms

Below is generated by plot.py at 2019-02-12 03:49:20

Datalink statistics

-- Total of 1 flow:

Average throughput: 43.69 Mbit/s

95th percentile per-packet one-way delay: 132.708 ms

Loss rate: 0.00%

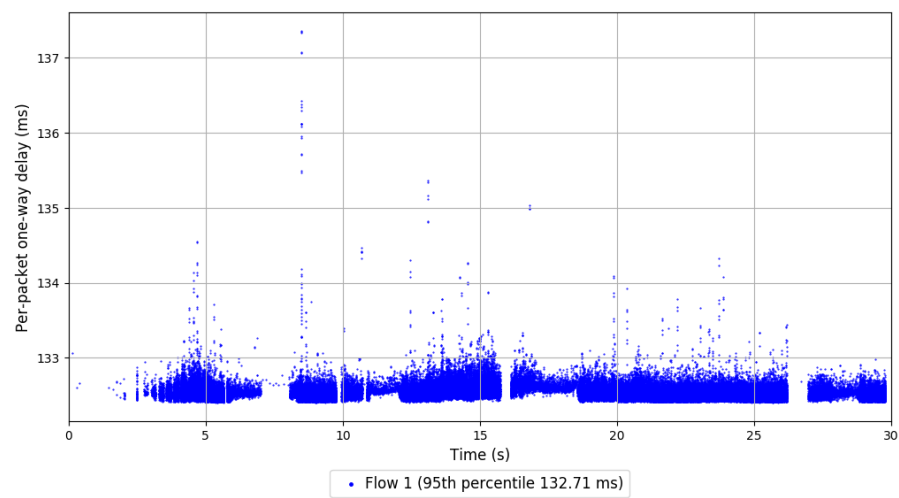
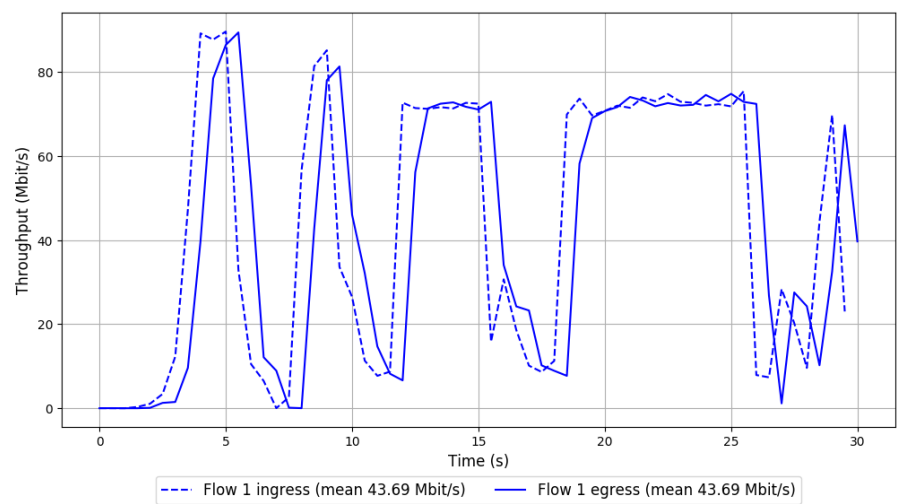
-- Flow 1:

Average throughput: 43.69 Mbit/s

95th percentile per-packet one-way delay: 132.708 ms

Loss rate: 0.00%

Run 3: Report of QUIC Cubic — Data Link



Run 4: Statistics of QUIC Cubic

Start at: 2019-02-12 01:01:27

End at: 2019-02-12 01:01:57

Local clock offset: -0.321 ms

Remote clock offset: -0.235 ms

Below is generated by plot.py at 2019-02-12 03:49:20

Datalink statistics

-- Total of 1 flow:

Average throughput: 44.15 Mbit/s

95th percentile per-packet one-way delay: 133.352 ms

Loss rate: 0.00%

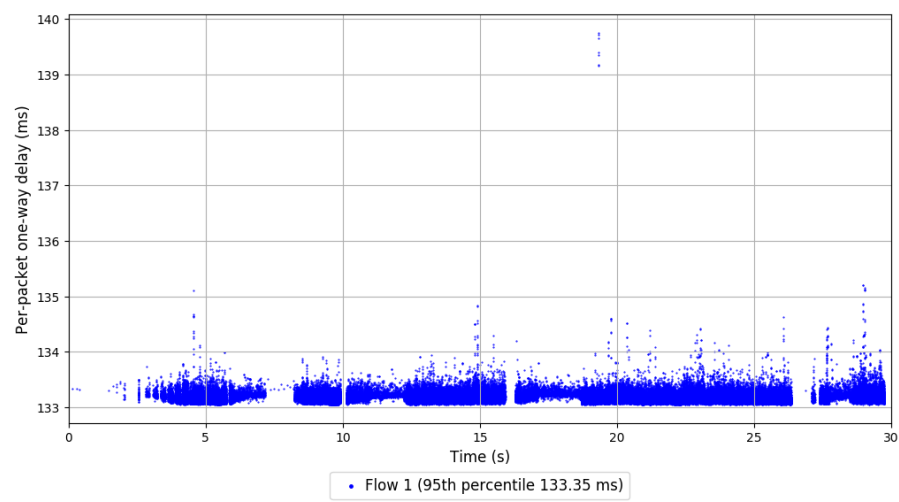
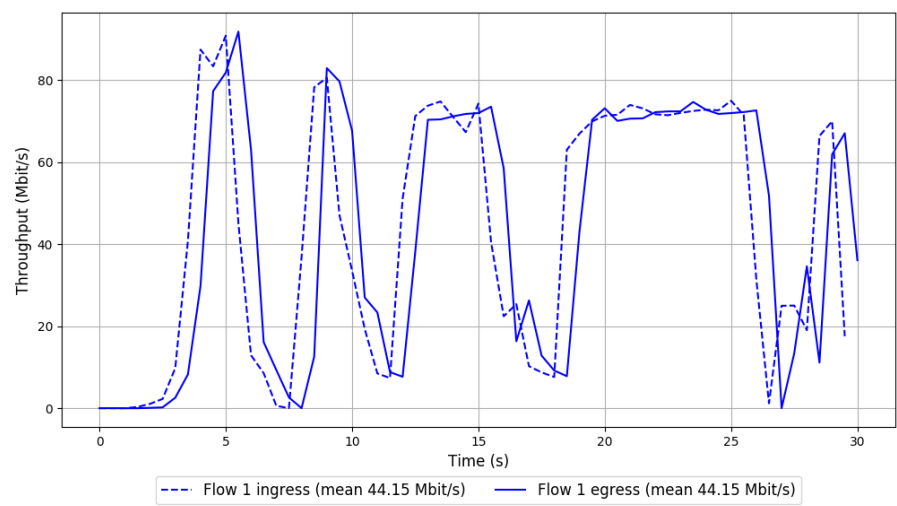
-- Flow 1:

Average throughput: 44.15 Mbit/s

95th percentile per-packet one-way delay: 133.352 ms

Loss rate: 0.00%

Run 4: Report of QUIC Cubic — Data Link

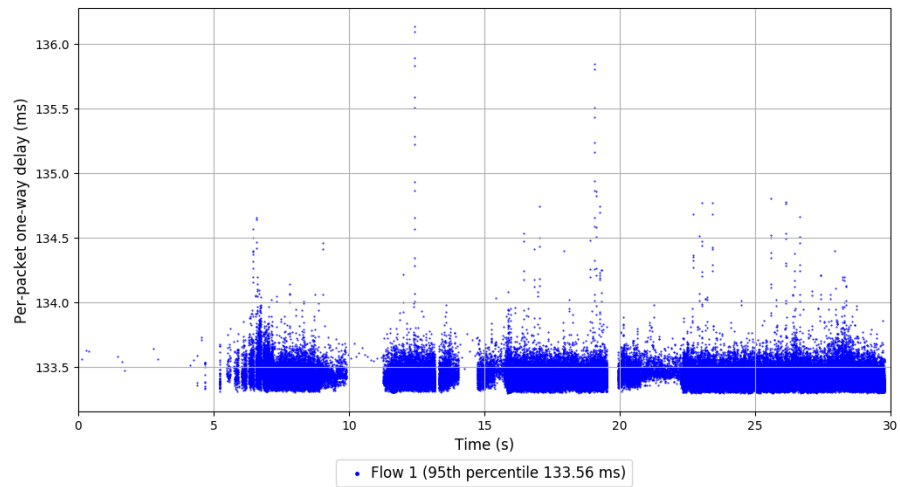
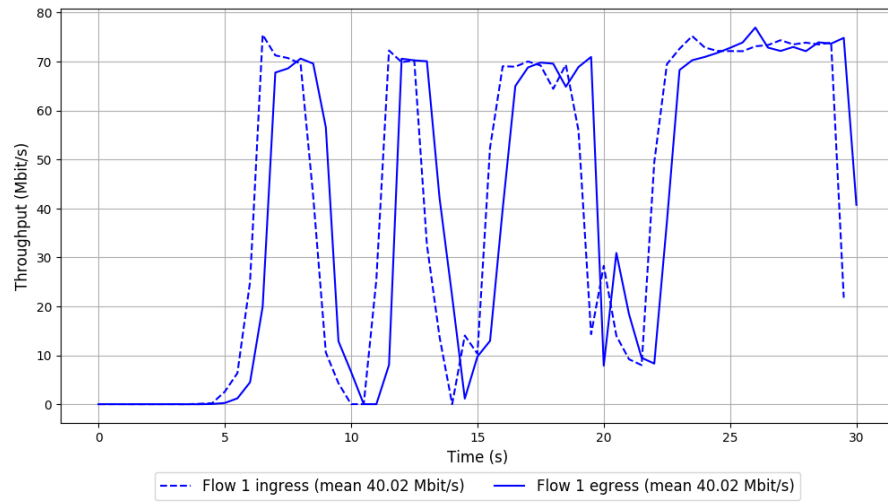


Run 5: Statistics of QUIC Cubic

Start at: 2019-02-12 01:38:19
End at: 2019-02-12 01:38:49
Local clock offset: -0.422 ms
Remote clock offset: -0.244 ms

Below is generated by plot.py at 2019-02-12 03:49:21
Datalink statistics
-- Total of 1 flow:
Average throughput: 40.02 Mbit/s
95th percentile per-packet one-way delay: 133.564 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 40.02 Mbit/s
95th percentile per-packet one-way delay: 133.564 ms
Loss rate: 0.00%

Run 5: Report of QUIC Cubic — Data Link

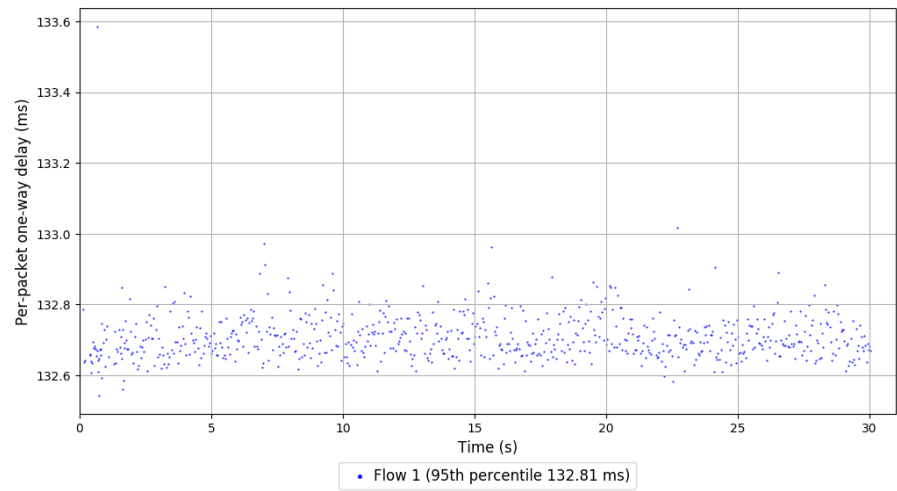
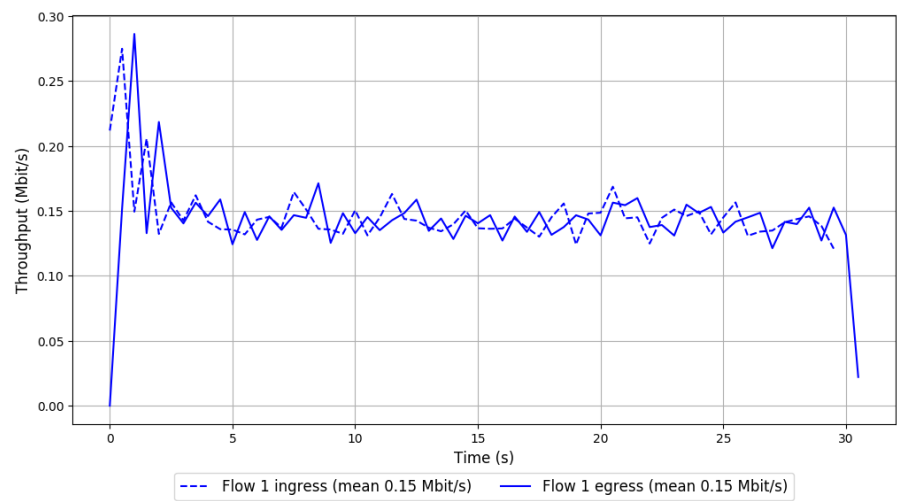


Run 1: Statistics of SCReAM

Start at: 2019-02-11 22:52:55
End at: 2019-02-11 22:53:25
Local clock offset: 0.29 ms
Remote clock offset: -0.065 ms

Below is generated by plot.py at 2019-02-12 03:49:21
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.15 Mbit/s
95th percentile per-packet one-way delay: 132.810 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.15 Mbit/s
95th percentile per-packet one-way delay: 132.810 ms
Loss rate: 0.00%

Run 1: Report of SReAM — Data Link

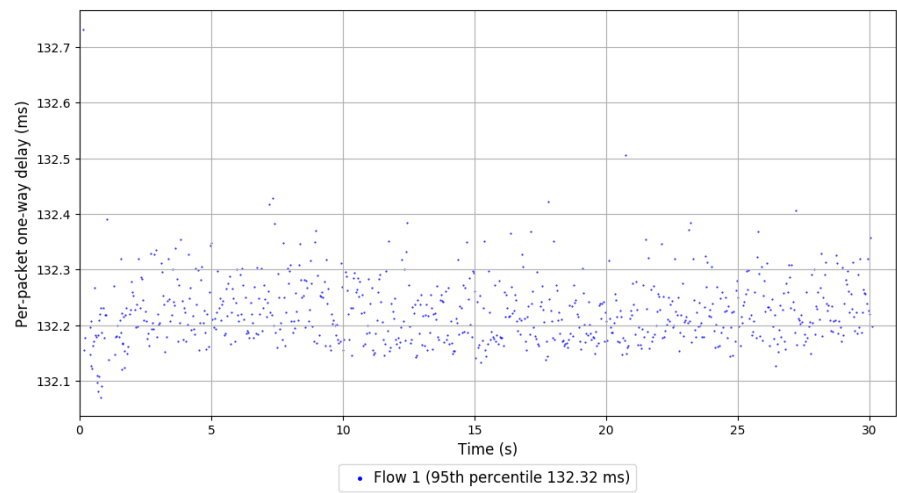
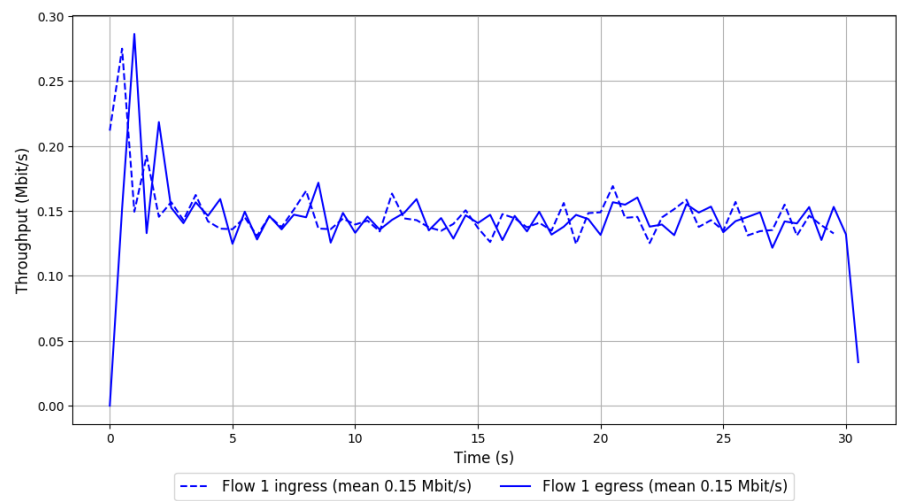


Run 2: Statistics of SCReAM

Start at: 2019-02-11 23:25:23
End at: 2019-02-11 23:25:53
Local clock offset: 0.004 ms
Remote clock offset: -0.084 ms

Below is generated by plot.py at 2019-02-12 03:49:21
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.15 Mbit/s
95th percentile per-packet one-way delay: 132.323 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.15 Mbit/s
95th percentile per-packet one-way delay: 132.323 ms
Loss rate: 0.00%

Run 2: Report of SReAM — Data Link



Run 3: Statistics of SCReAM

Start at: 2019-02-12 00:01:04

End at: 2019-02-12 00:01:34

Local clock offset: 0.019 ms

Remote clock offset: -0.12 ms

Below is generated by plot.py at 2019-02-12 03:49:21

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.15 Mbit/s

95th percentile per-packet one-way delay: 133.232 ms

Loss rate: 0.00%

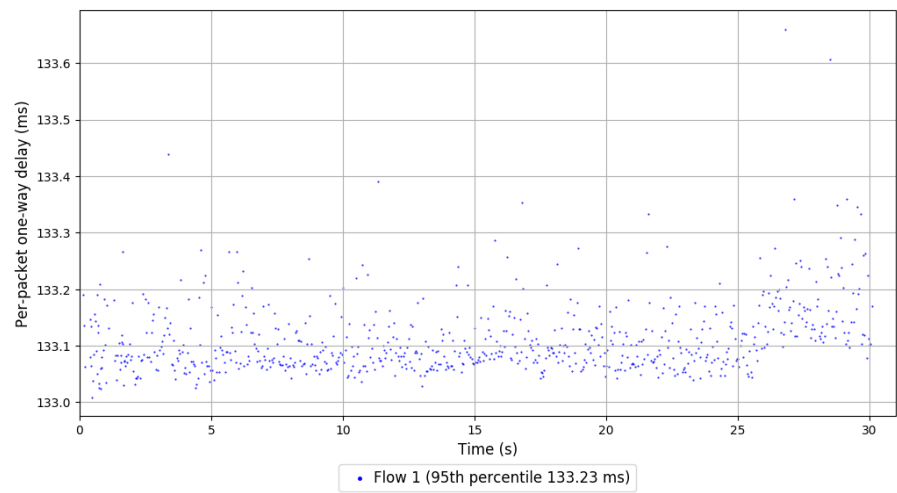
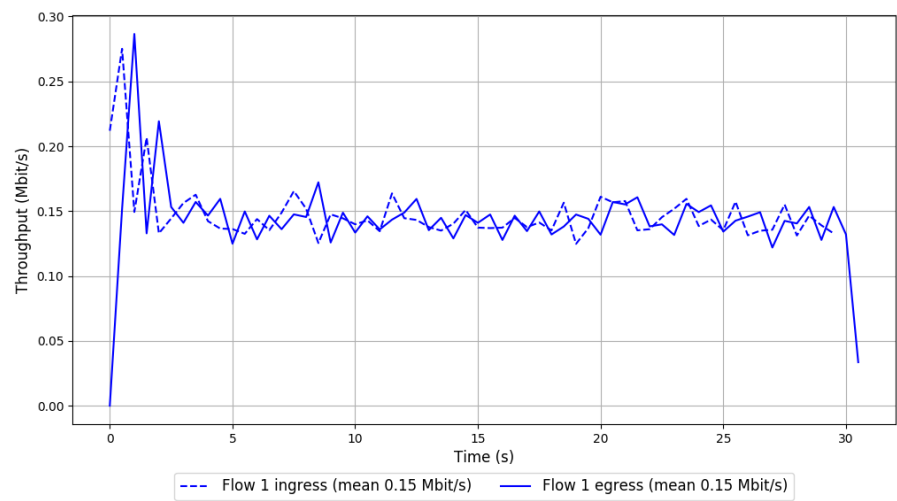
-- Flow 1:

Average throughput: 0.15 Mbit/s

95th percentile per-packet one-way delay: 133.232 ms

Loss rate: 0.00%

Run 3: Report of SReAM — Data Link

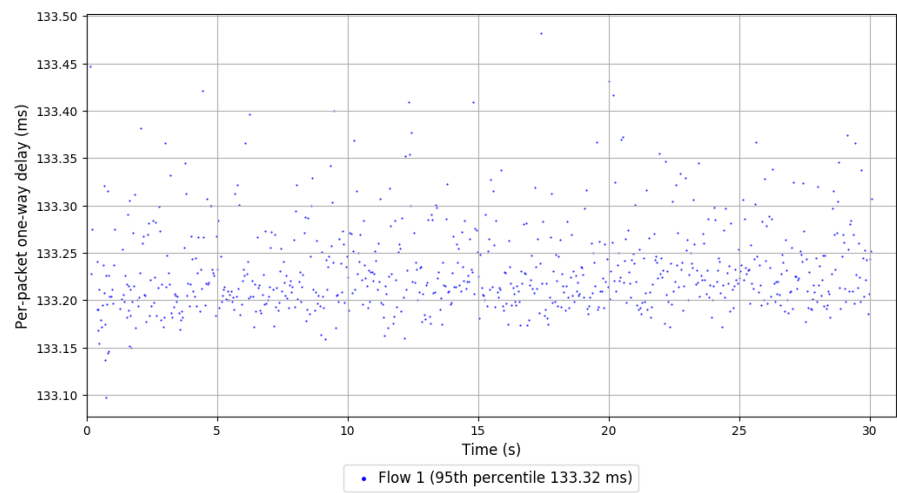
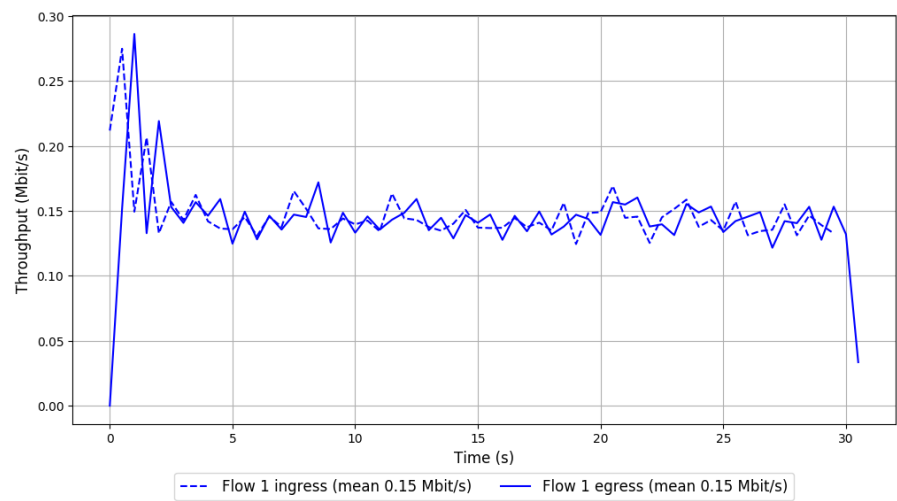


Run 4: Statistics of SCReAM

Start at: 2019-02-12 00:36:56
End at: 2019-02-12 00:37:26
Local clock offset: -0.004 ms
Remote clock offset: -0.181 ms

Below is generated by plot.py at 2019-02-12 03:49:21
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.15 Mbit/s
95th percentile per-packet one-way delay: 133.325 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.15 Mbit/s
95th percentile per-packet one-way delay: 133.325 ms
Loss rate: 0.00%

Run 4: Report of SReAM — Data Link

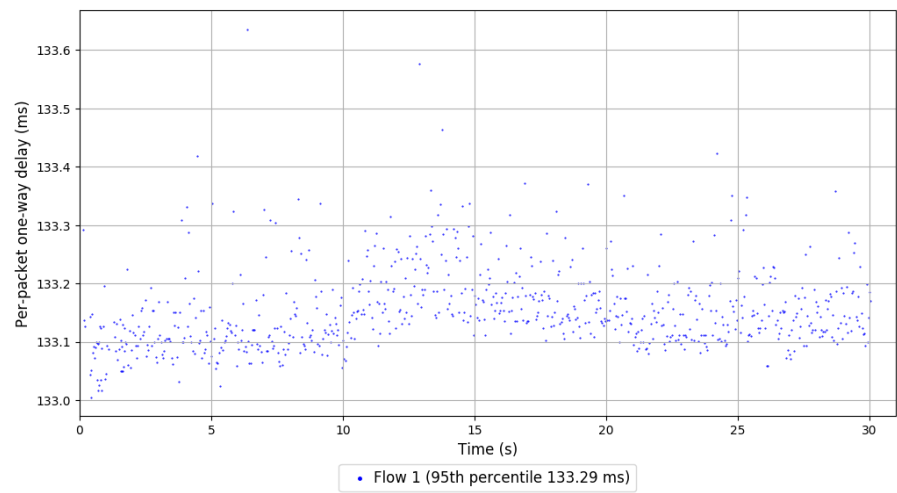
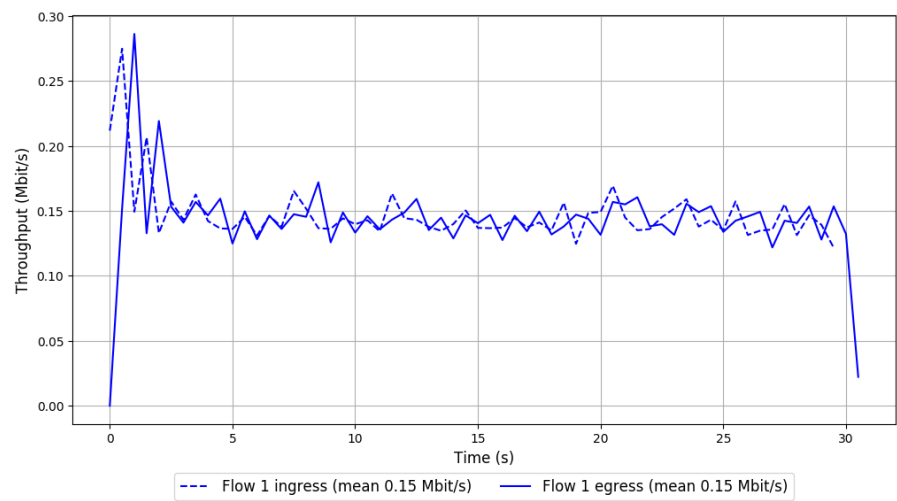


Run 5: Statistics of SCReAM

Start at: 2019-02-12 01:13:53
End at: 2019-02-12 01:14:23
Local clock offset: -0.109 ms
Remote clock offset: -0.232 ms

Below is generated by plot.py at 2019-02-12 03:49:21
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.15 Mbit/s
95th percentile per-packet one-way delay: 133.288 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.15 Mbit/s
95th percentile per-packet one-way delay: 133.288 ms
Loss rate: 0.00%

Run 5: Report of SReAM — Data Link

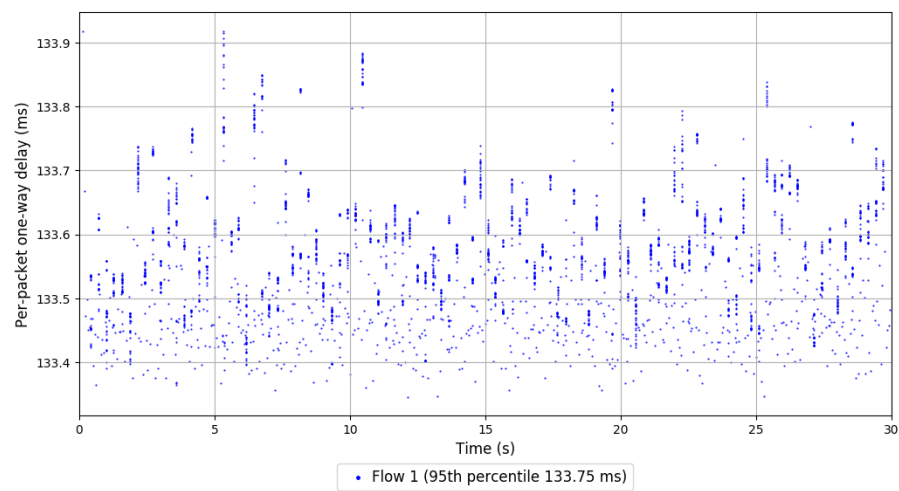
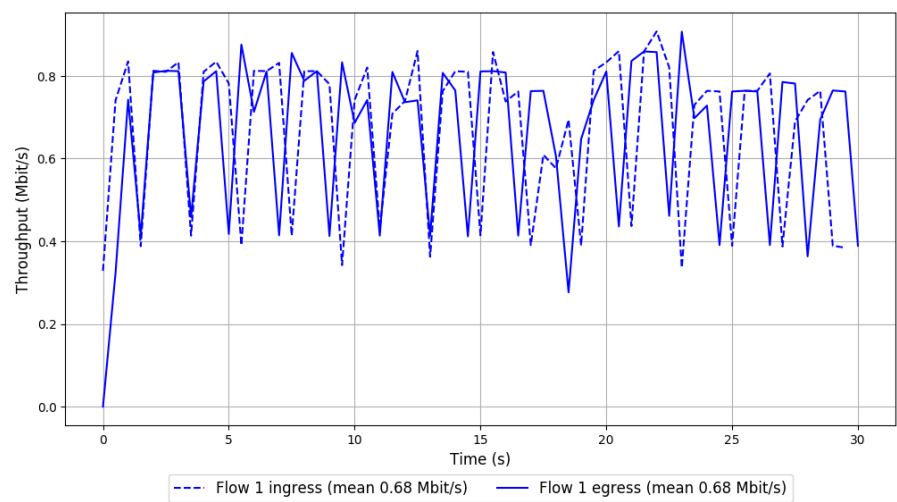


Run 1: Statistics of Sprout

Start at: 2019-02-11 23:15:47
End at: 2019-02-11 23:16:17
Local clock offset: -0.435 ms
Remote clock offset: -0.018 ms

Below is generated by plot.py at 2019-02-12 03:49:21
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.68 Mbit/s
95th percentile per-packet one-way delay: 133.753 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.68 Mbit/s
95th percentile per-packet one-way delay: 133.753 ms
Loss rate: 0.00%

Run 1: Report of Sprout — Data Link



Run 2: Statistics of Sprout

Start at: 2019-02-11 23:50:21

End at: 2019-02-11 23:50:51

Local clock offset: 0.181 ms

Remote clock offset: 0.233 ms

Below is generated by plot.py at 2019-02-12 03:49:21

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.76 Mbit/s

95th percentile per-packet one-way delay: 132.672 ms

Loss rate: 0.00%

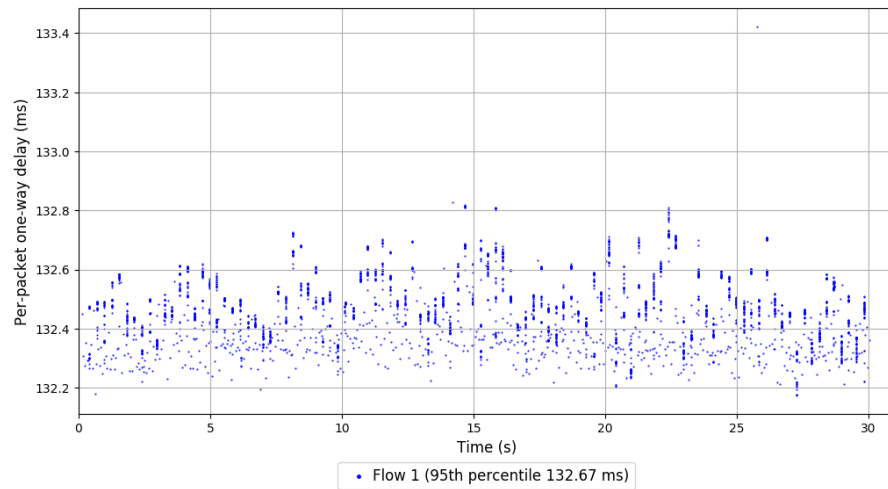
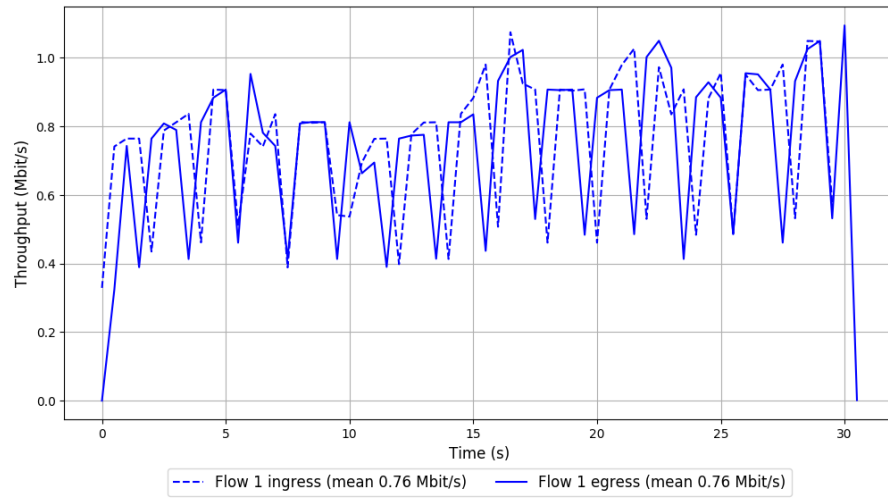
-- Flow 1:

Average throughput: 0.76 Mbit/s

95th percentile per-packet one-way delay: 132.672 ms

Loss rate: 0.00%

Run 2: Report of Sprout — Data Link

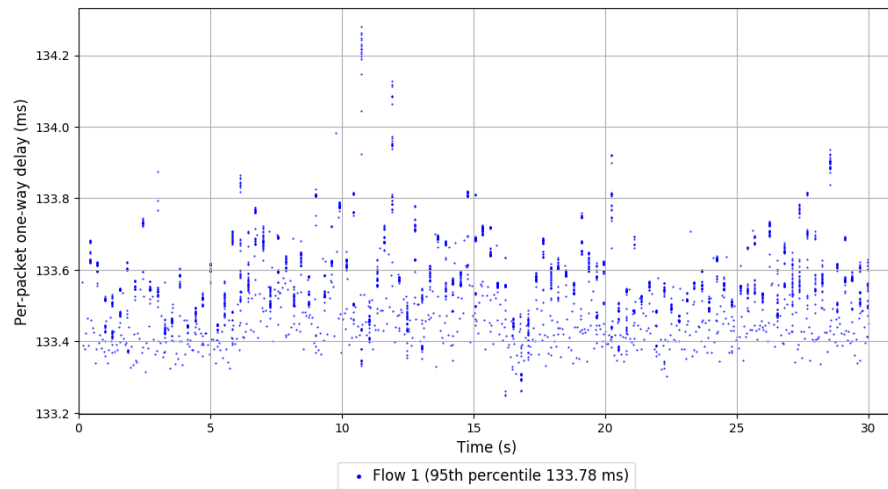
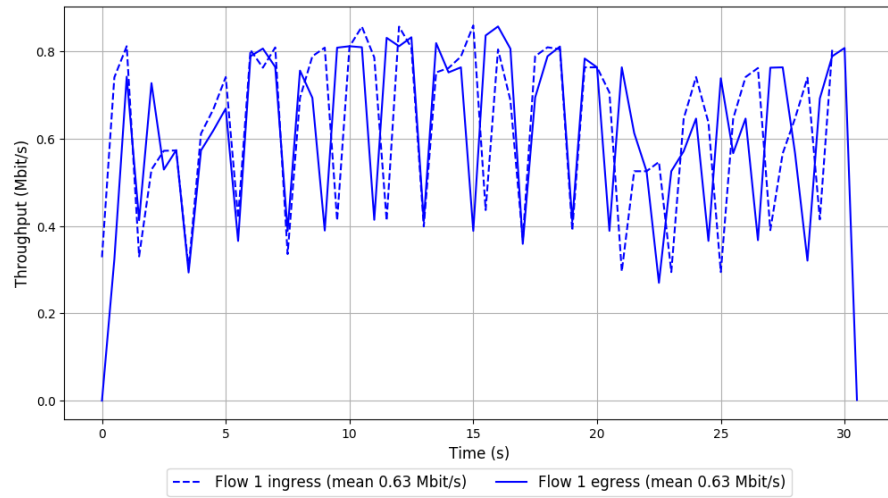


Run 3: Statistics of Sprout

Start at: 2019-02-12 00:27:19
End at: 2019-02-12 00:27:49
Local clock offset: -0.234 ms
Remote clock offset: -0.189 ms

Below is generated by plot.py at 2019-02-12 03:49:21
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.63 Mbit/s
95th percentile per-packet one-way delay: 133.778 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.63 Mbit/s
95th percentile per-packet one-way delay: 133.778 ms
Loss rate: 0.00%

Run 3: Report of Sprout — Data Link

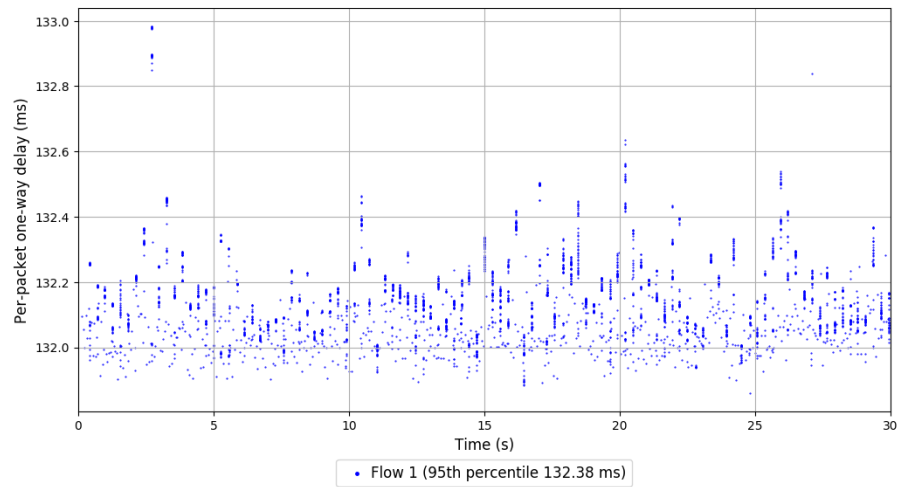
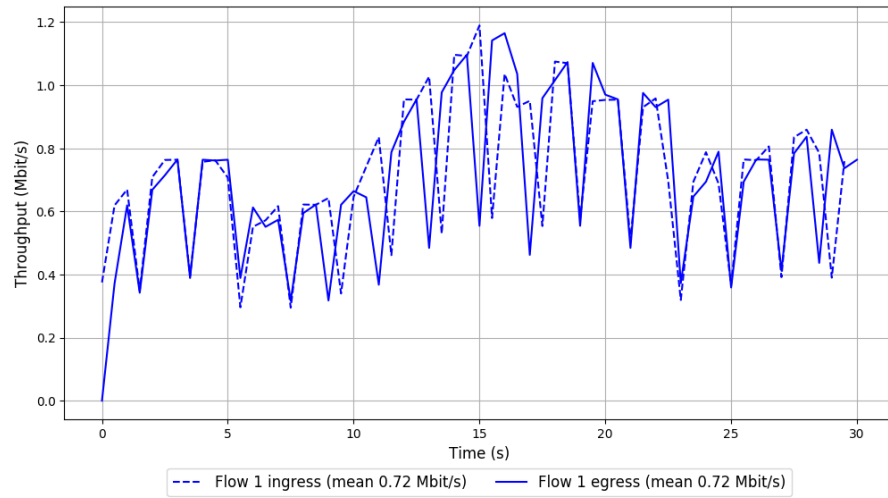


Run 4: Statistics of Sprout

Start at: 2019-02-12 01:02:46
End at: 2019-02-12 01:03:16
Local clock offset: 0.105 ms
Remote clock offset: -0.212 ms

Below is generated by plot.py at 2019-02-12 03:49:21
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.72 Mbit/s
95th percentile per-packet one-way delay: 132.378 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.72 Mbit/s
95th percentile per-packet one-way delay: 132.378 ms
Loss rate: 0.00%

Run 4: Report of Sprout — Data Link

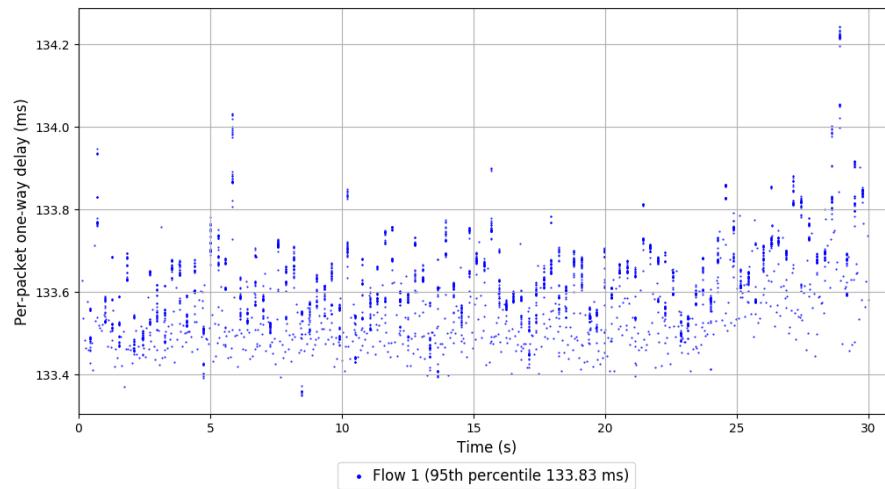
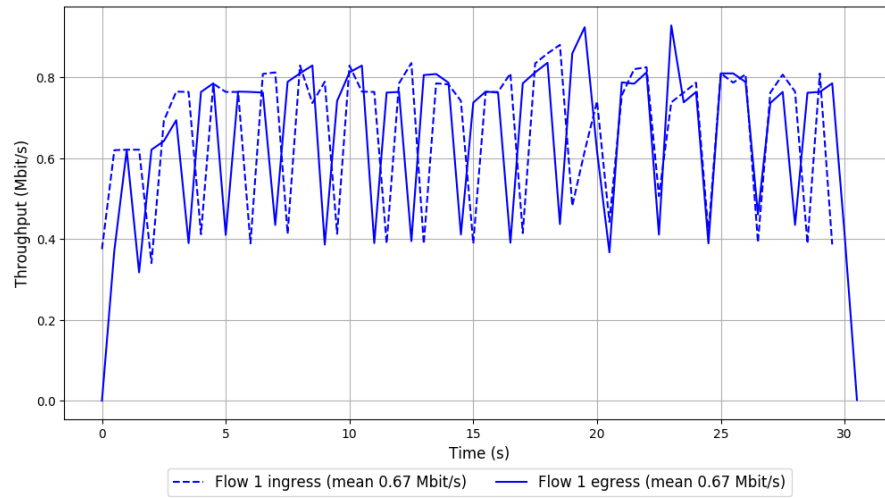


Run 5: Statistics of Sprout

Start at: 2019-02-12 01:39:34
End at: 2019-02-12 01:40:04
Local clock offset: -0.451 ms
Remote clock offset: -0.147 ms

Below is generated by plot.py at 2019-02-12 03:49:21
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.67 Mbit/s
95th percentile per-packet one-way delay: 133.827 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.67 Mbit/s
95th percentile per-packet one-way delay: 133.827 ms
Loss rate: 0.00%

Run 5: Report of Sprout — Data Link



Run 1: Statistics of TaoVA-100x

Start at: 2019-02-11 23:11:19

End at: 2019-02-11 23:11:49

Local clock offset: 0.282 ms

Remote clock offset: -0.026 ms

Below is generated by plot.py at 2019-02-12 03:49:21

Datalink statistics

-- Total of 1 flow:

Average throughput: 184.51 Mbit/s

95th percentile per-packet one-way delay: 132.974 ms

Loss rate: 0.00%

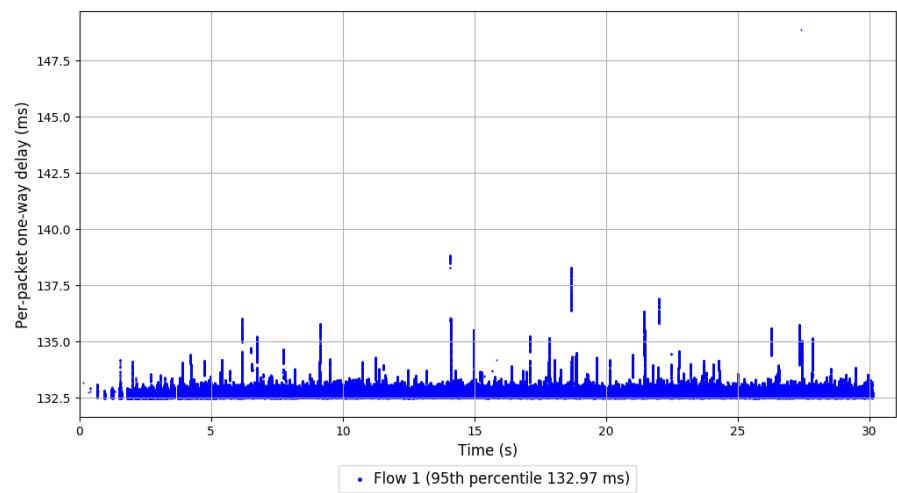
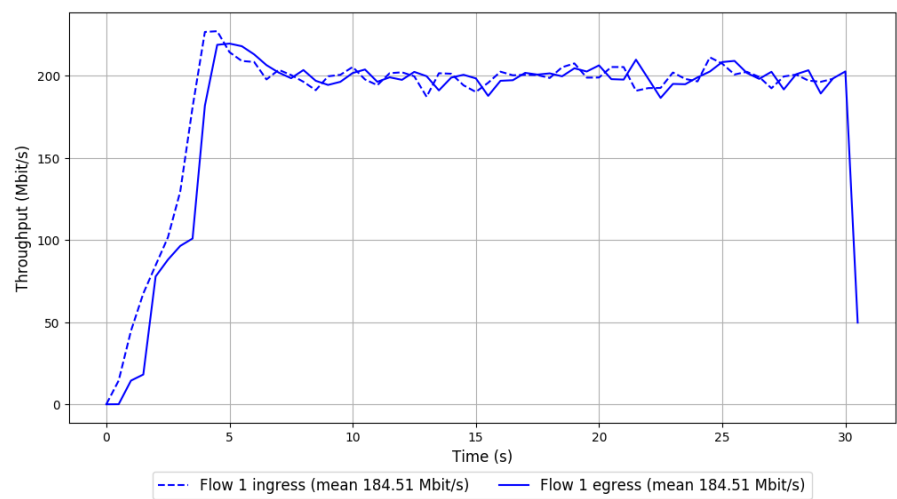
-- Flow 1:

Average throughput: 184.51 Mbit/s

95th percentile per-packet one-way delay: 132.974 ms

Loss rate: 0.00%

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



Run 2: Statistics of TaoVA-100x

Start at: 2019-02-11 23:45:28

End at: 2019-02-11 23:45:58

Local clock offset: -0.454 ms

Remote clock offset: -0.433 ms

Below is generated by plot.py at 2019-02-12 03:49:21

Datalink statistics

-- Total of 1 flow:

Average throughput: 188.11 Mbit/s

95th percentile per-packet one-way delay: 133.358 ms

Loss rate: 0.00%

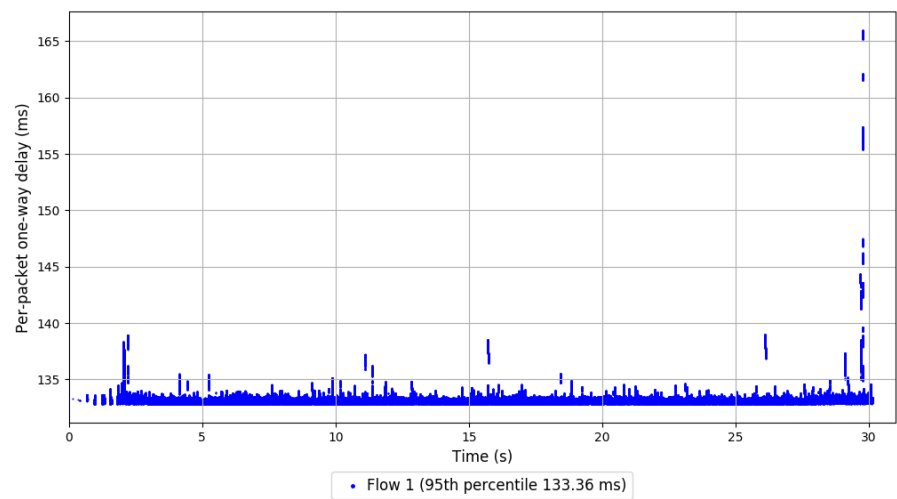
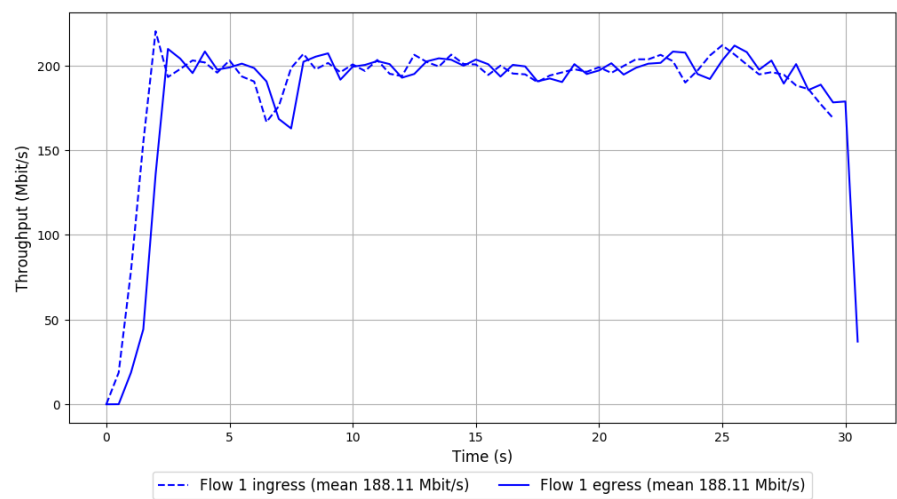
-- Flow 1:

Average throughput: 188.11 Mbit/s

95th percentile per-packet one-way delay: 133.358 ms

Loss rate: 0.00%

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

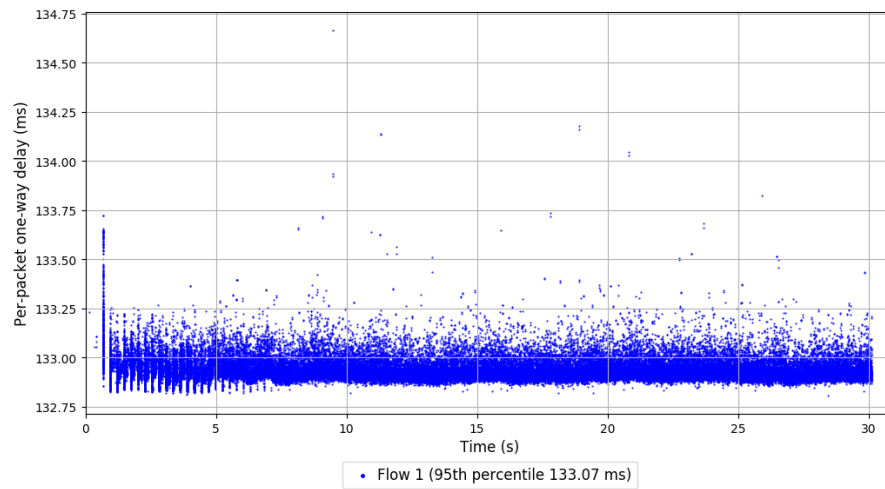
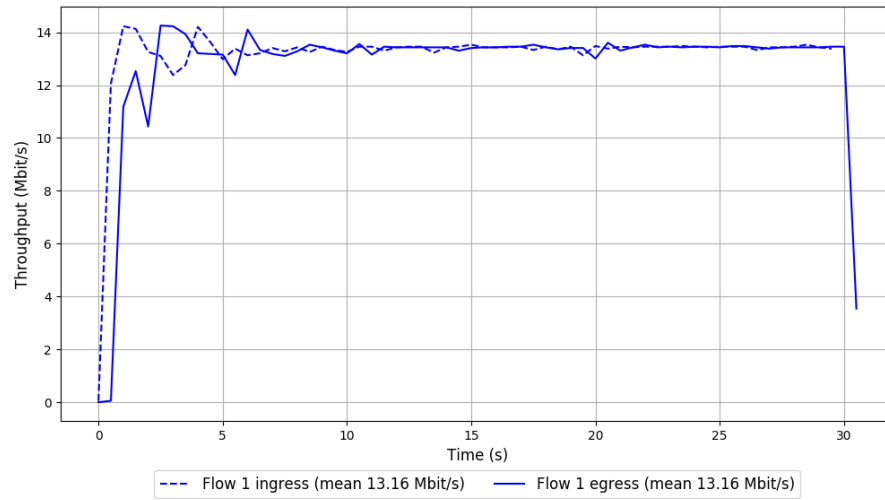


Run 3: Statistics of TaoVA-100x

Start at: 2019-02-12 00:22:43
End at: 2019-02-12 00:23:13
Local clock offset: -0.407 ms
Remote clock offset: -0.526 ms

Below is generated by plot.py at 2019-02-12 03:49:21
Datalink statistics
-- Total of 1 flow:
Average throughput: 13.16 Mbit/s
95th percentile per-packet one-way delay: 133.067 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 13.16 Mbit/s
95th percentile per-packet one-way delay: 133.067 ms
Loss rate: 0.00%

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

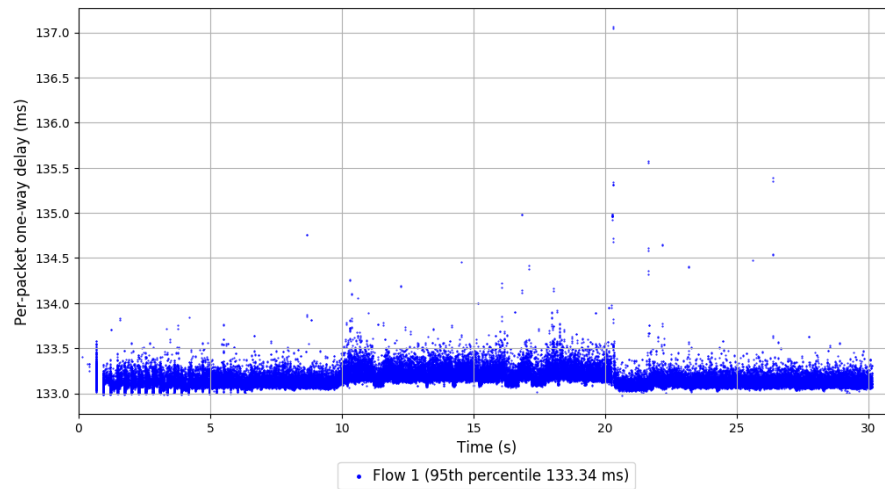
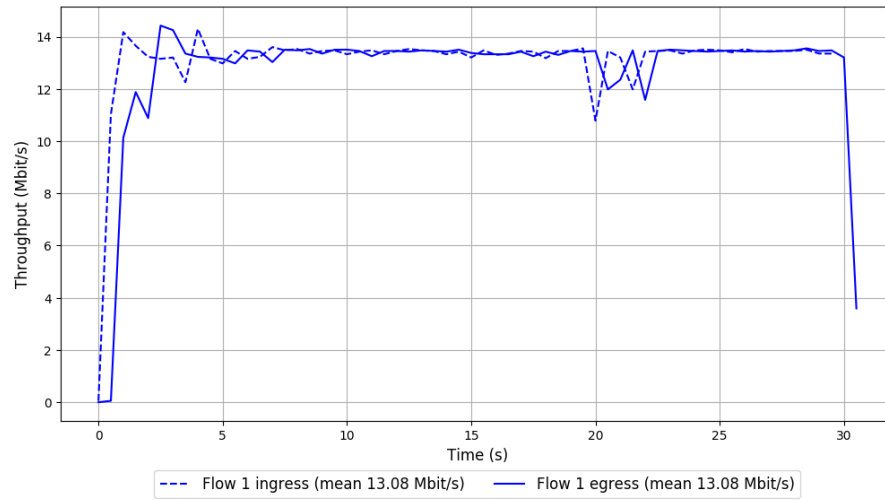


Run 4: Statistics of TaoVA-100x

Start at: 2019-02-12 00:58:21
End at: 2019-02-12 00:58:51
Local clock offset: -0.238 ms
Remote clock offset: -0.173 ms

Below is generated by plot.py at 2019-02-12 03:49:21
Datalink statistics
-- Total of 1 flow:
Average throughput: 13.08 Mbit/s
95th percentile per-packet one-way delay: 133.340 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 13.08 Mbit/s
95th percentile per-packet one-way delay: 133.340 ms
Loss rate: 0.00%

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



Run 5: Statistics of TaoVA-100x

Start at: 2019-02-12 01:34:52

End at: 2019-02-12 01:35:22

Local clock offset: 0.197 ms

Remote clock offset: -0.161 ms

Below is generated by plot.py at 2019-02-12 03:49:21

Datalink statistics

-- Total of 1 flow:

Average throughput: 185.12 Mbit/s

95th percentile per-packet one-way delay: 132.266 ms

Loss rate: 0.00%

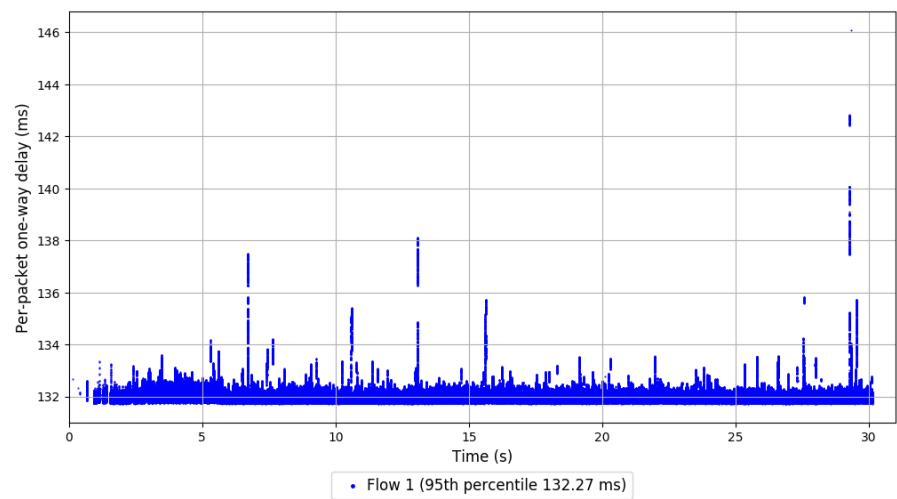
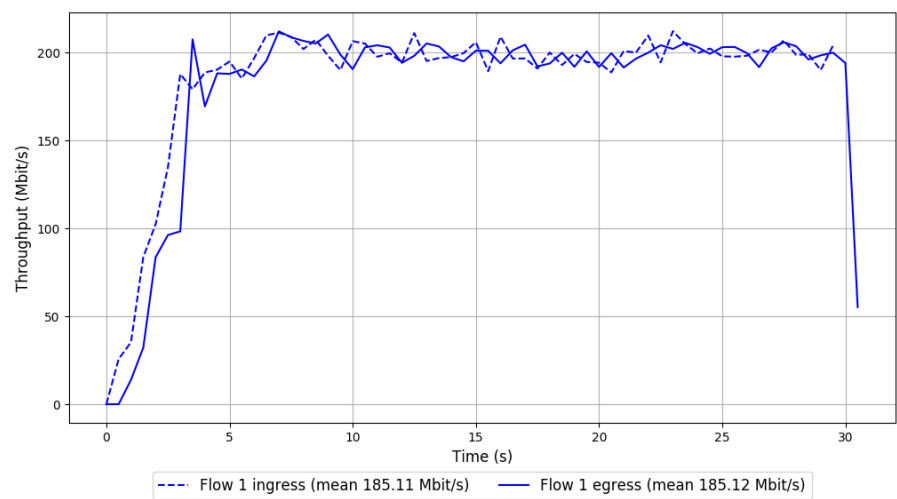
-- Flow 1:

Average throughput: 185.12 Mbit/s

95th percentile per-packet one-way delay: 132.266 ms

Loss rate: 0.00%

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



Run 1: Statistics of TCP Vegas

Start at: 2019-02-11 23:07:03

End at: 2019-02-11 23:07:33

Local clock offset: -0.089 ms

Remote clock offset: 0.376 ms

Below is generated by plot.py at 2019-02-12 03:49:21

Datalink statistics

-- Total of 1 flow:

Average throughput: 203.54 Mbit/s

95th percentile per-packet one-way delay: 180.957 ms

Loss rate: 0.07%

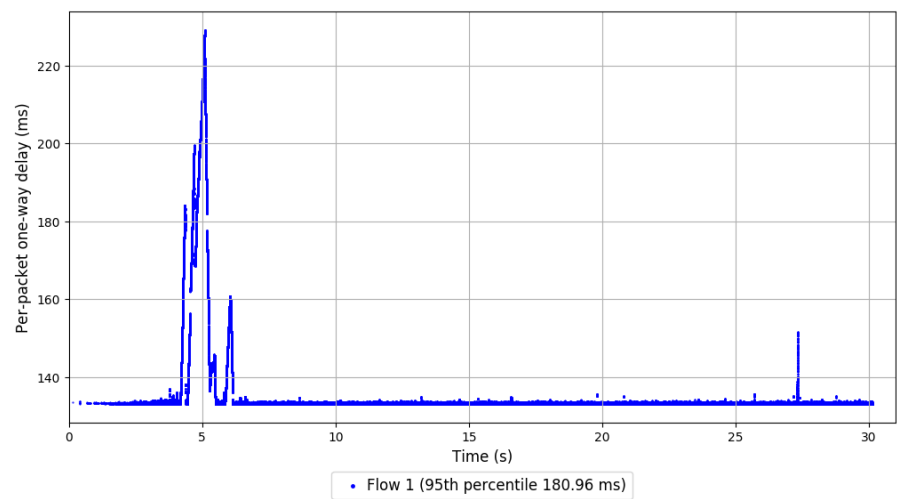
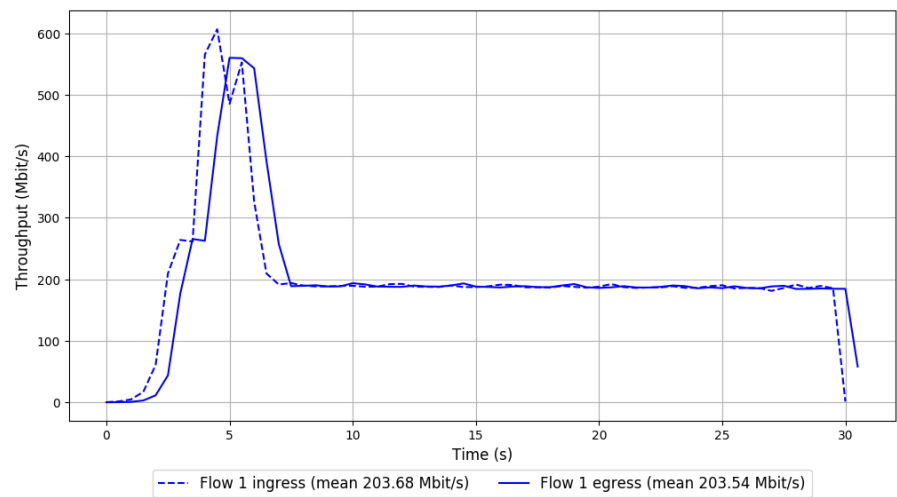
-- Flow 1:

Average throughput: 203.54 Mbit/s

95th percentile per-packet one-way delay: 180.957 ms

Loss rate: 0.07%

Run 1: Report of TCP Vegas — Data Link

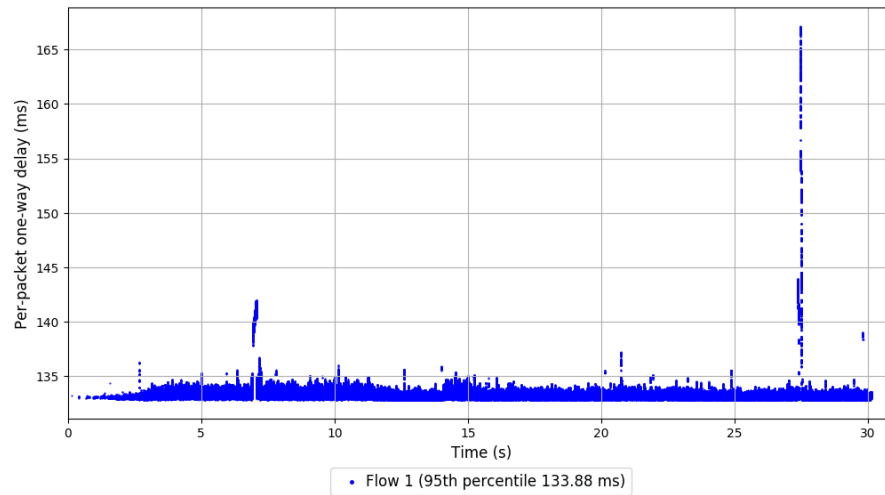
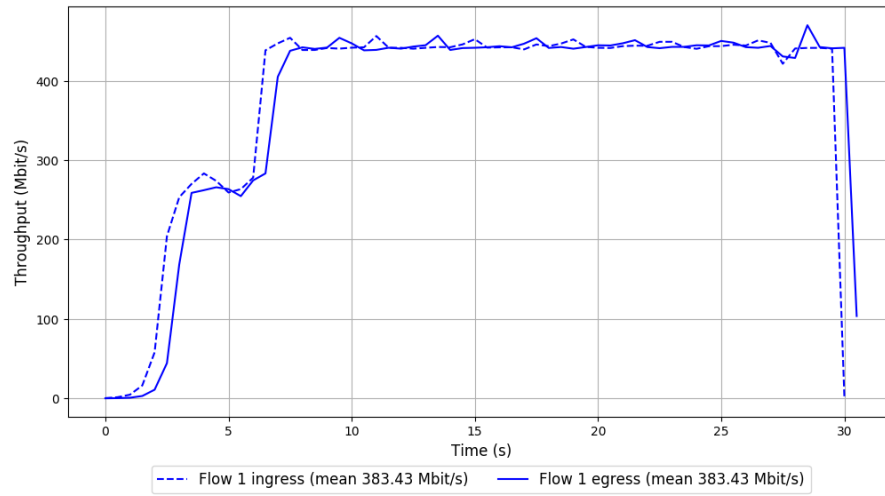


Run 2: Statistics of TCP Vegas

Start at: 2019-02-11 23:40:44
End at: 2019-02-11 23:41:14
Local clock offset: 0.141 ms
Remote clock offset: -0.047 ms

Below is generated by plot.py at 2019-02-12 03:49:21
Datalink statistics
-- Total of 1 flow:
Average throughput: 383.43 Mbit/s
95th percentile per-packet one-way delay: 133.882 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 383.43 Mbit/s
95th percentile per-packet one-way delay: 133.882 ms
Loss rate: 0.00%

Run 2: Report of TCP Vegas — Data Link

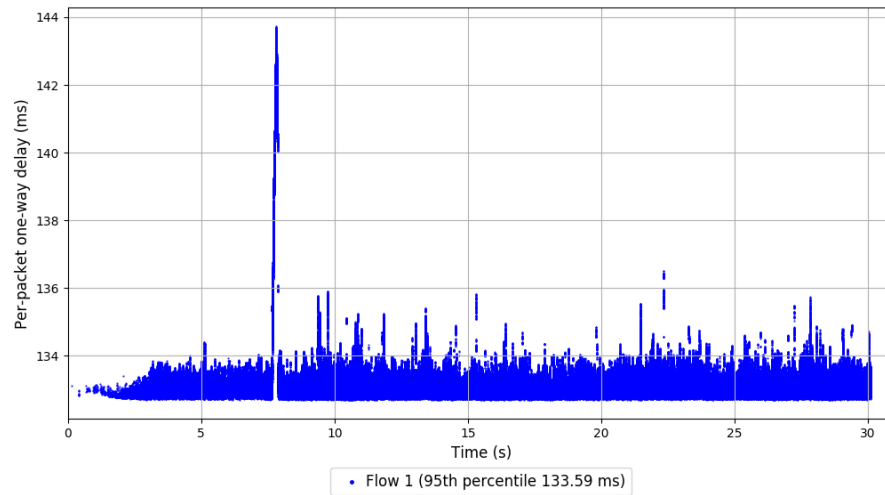
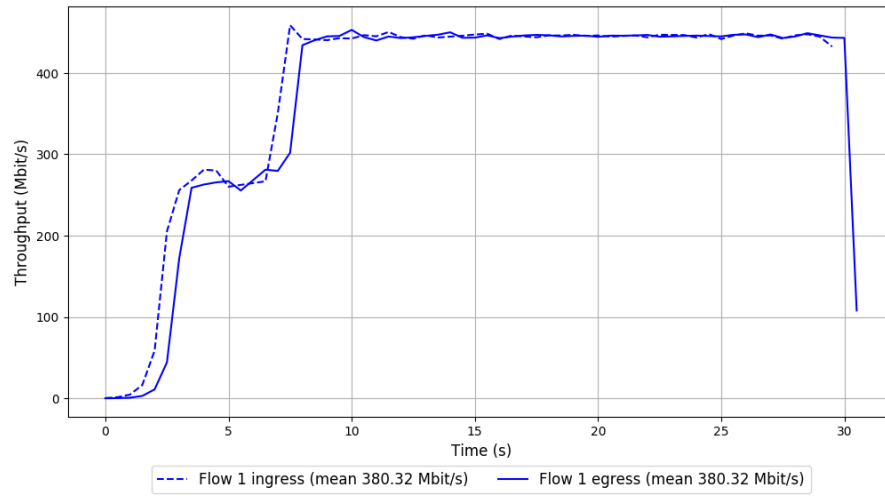


Run 3: Statistics of TCP Vegas

Start at: 2019-02-12 00:17:51
End at: 2019-02-12 00:18:21
Local clock offset: -0.027 ms
Remote clock offset: -0.171 ms

Below is generated by plot.py at 2019-02-12 03:50:26
Datalink statistics
-- Total of 1 flow:
Average throughput: 380.32 Mbit/s
95th percentile per-packet one-way delay: 133.595 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 380.32 Mbit/s
95th percentile per-packet one-way delay: 133.595 ms
Loss rate: 0.00%

Run 3: Report of TCP Vegas — Data Link

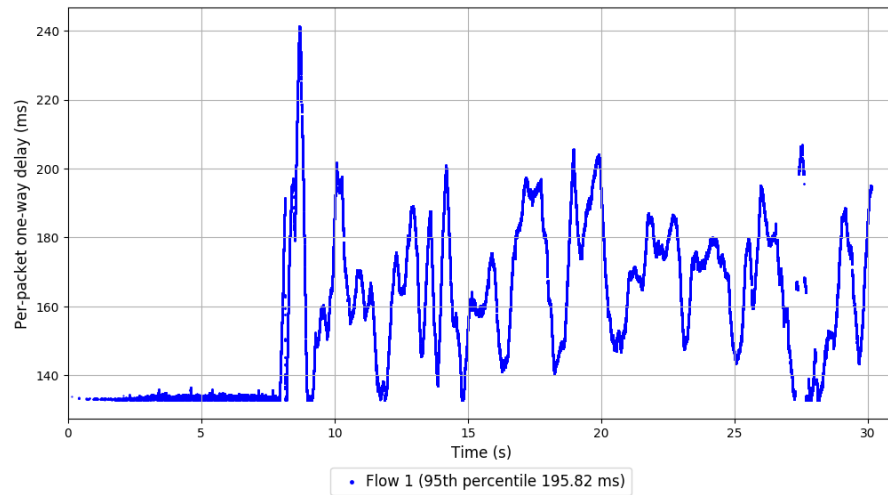
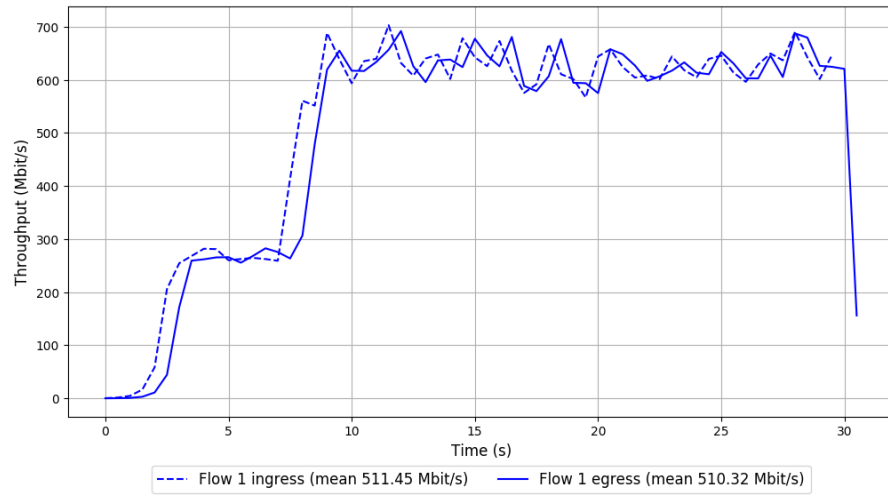


Run 4: Statistics of TCP Vegas

Start at: 2019-02-12 00:53:23
End at: 2019-02-12 00:53:53
Local clock offset: -0.219 ms
Remote clock offset: -0.193 ms

Below is generated by plot.py at 2019-02-12 03:56:17
Datalink statistics
-- Total of 1 flow:
Average throughput: 510.32 Mbit/s
95th percentile per-packet one-way delay: 195.821 ms
Loss rate: 0.22%
-- Flow 1:
Average throughput: 510.32 Mbit/s
95th percentile per-packet one-way delay: 195.821 ms
Loss rate: 0.22%

Run 4: Report of TCP Vegas — Data Link

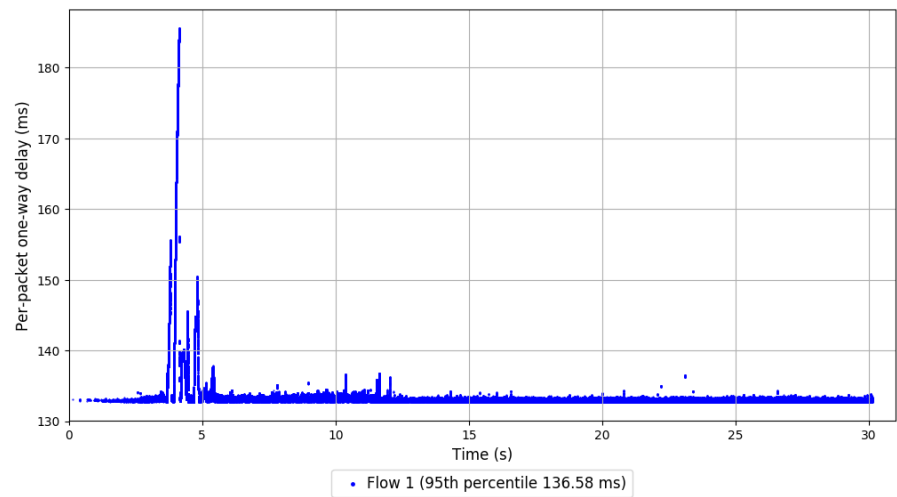
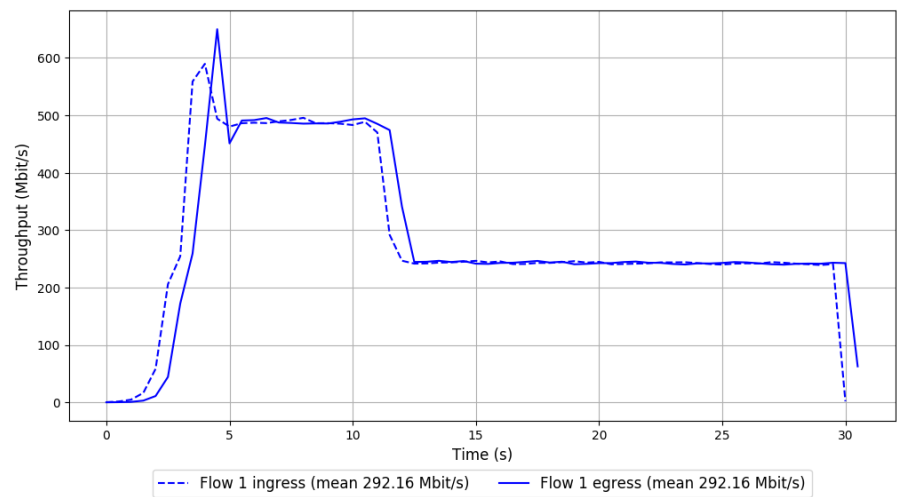


Run 5: Statistics of TCP Vegas

Start at: 2019-02-12 01:30:02
End at: 2019-02-12 01:30:32
Local clock offset: -0.021 ms
Remote clock offset: -0.216 ms

Below is generated by plot.py at 2019-02-12 03:56:17
Datalink statistics
-- Total of 1 flow:
Average throughput: 292.16 Mbit/s
95th percentile per-packet one-way delay: 136.578 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 292.16 Mbit/s
95th percentile per-packet one-way delay: 136.578 ms
Loss rate: 0.00%

Run 5: Report of TCP Vegas — Data Link

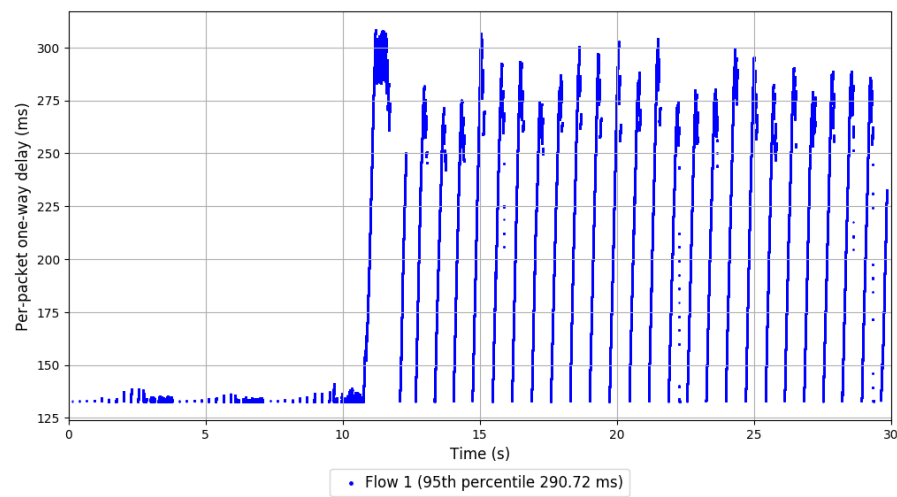
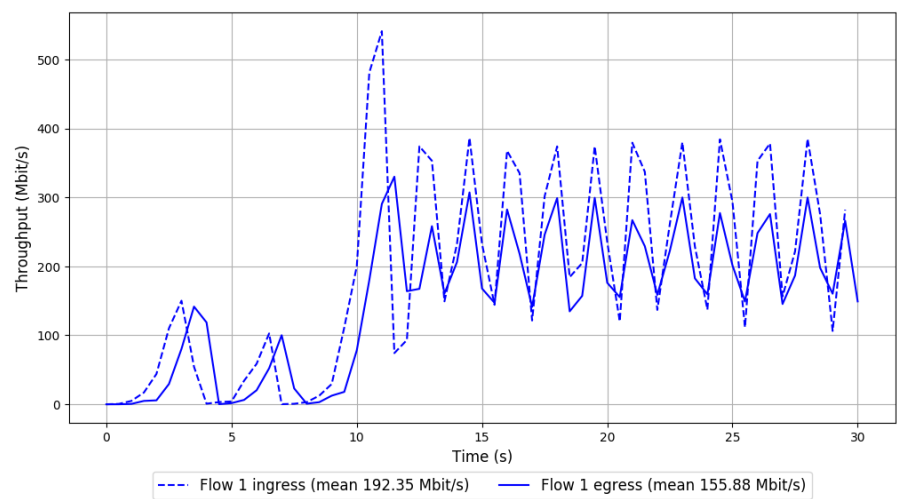


Run 1: Statistics of Verus

Start at: 2019-02-11 23:00:26
End at: 2019-02-11 23:00:56
Local clock offset: -0.021 ms
Remote clock offset: -0.021 ms

Below is generated by plot.py at 2019-02-12 03:56:17
Datalink statistics
-- Total of 1 flow:
Average throughput: 155.88 Mbit/s
95th percentile per-packet one-way delay: 290.718 ms
Loss rate: 18.95%
-- Flow 1:
Average throughput: 155.88 Mbit/s
95th percentile per-packet one-way delay: 290.718 ms
Loss rate: 18.95%

Run 1: Report of Verus — Data Link

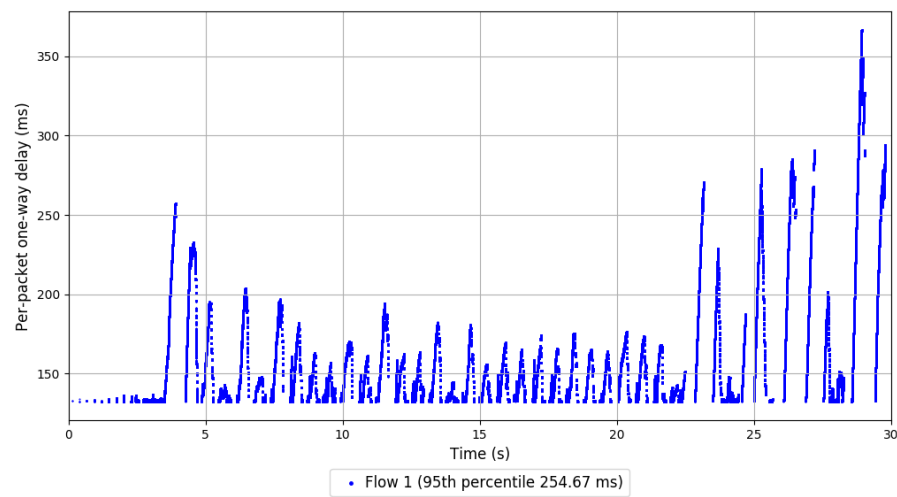
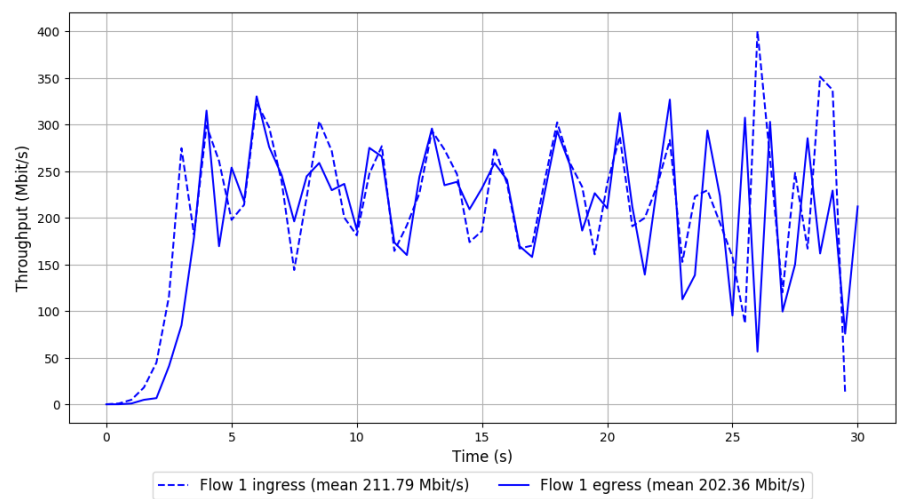


Run 2: Statistics of Verus

Start at: 2019-02-11 23:33:46
End at: 2019-02-11 23:34:16
Local clock offset: 0.363 ms
Remote clock offset: -0.376 ms

Below is generated by plot.py at 2019-02-12 03:56:17
Datalink statistics
-- Total of 1 flow:
Average throughput: 202.36 Mbit/s
95th percentile per-packet one-way delay: 254.666 ms
Loss rate: 3.94%
-- Flow 1:
Average throughput: 202.36 Mbit/s
95th percentile per-packet one-way delay: 254.666 ms
Loss rate: 3.94%

Run 2: Report of Verus — Data Link

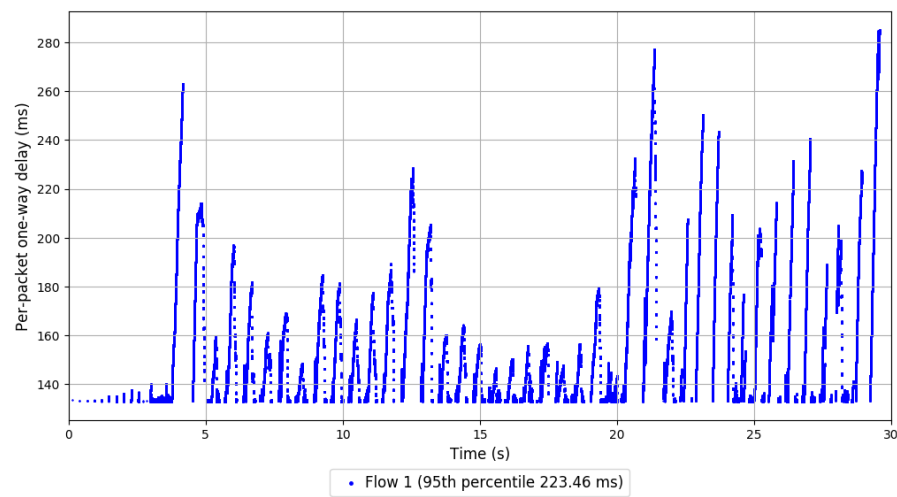
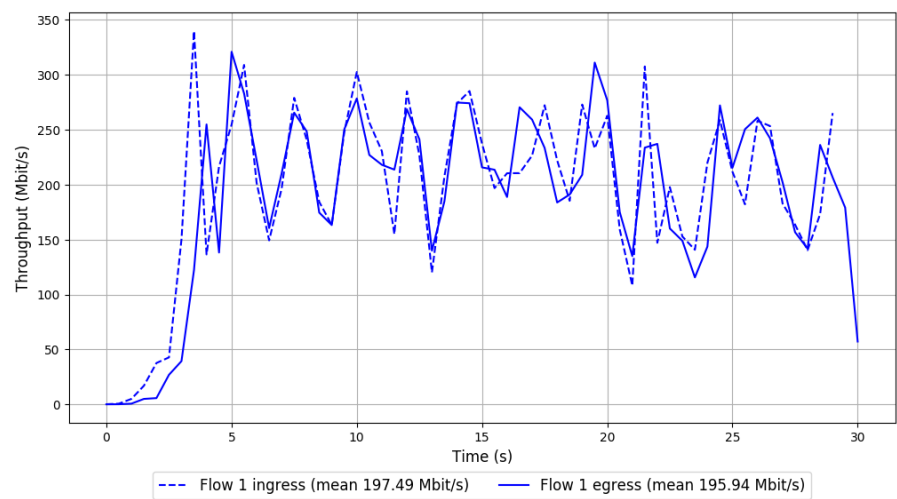


Run 3: Statistics of Verus

Start at: 2019-02-12 00:10:29
End at: 2019-02-12 00:10:59
Local clock offset: -0.062 ms
Remote clock offset: -0.138 ms

Below is generated by plot.py at 2019-02-12 03:56:17
Datalink statistics
-- Total of 1 flow:
Average throughput: 195.94 Mbit/s
95th percentile per-packet one-way delay: 223.457 ms
Loss rate: 0.27%
-- Flow 1:
Average throughput: 195.94 Mbit/s
95th percentile per-packet one-way delay: 223.457 ms
Loss rate: 0.27%

Run 3: Report of Verus — Data Link

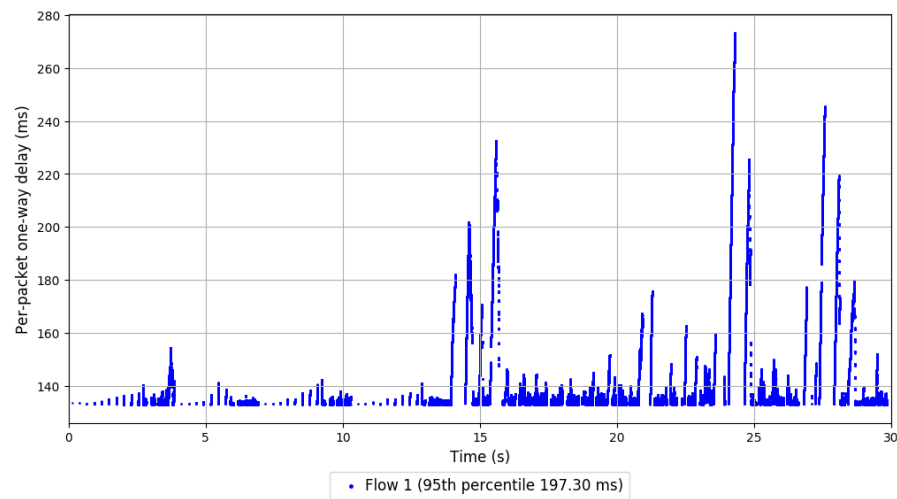
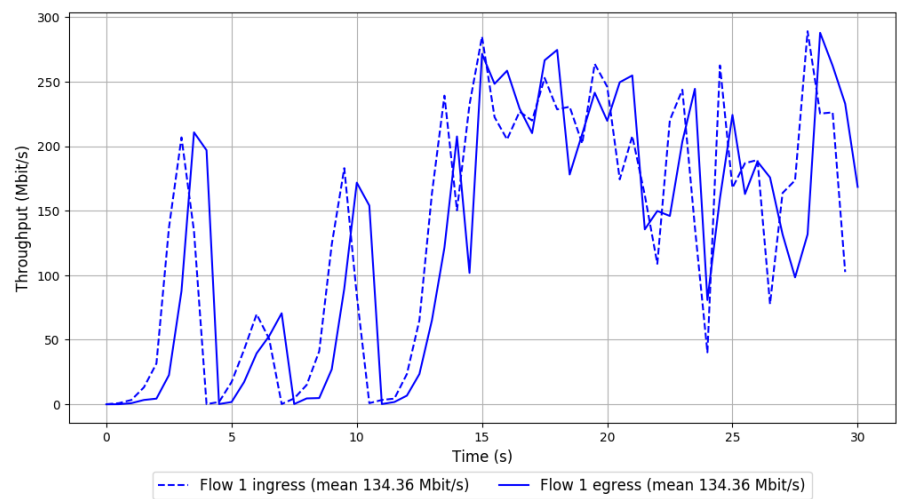


Run 4: Statistics of Verus

Start at: 2019-02-12 00:46:14
End at: 2019-02-12 00:46:44
Local clock offset: -0.048 ms
Remote clock offset: -0.183 ms

Below is generated by plot.py at 2019-02-12 03:56:17
Datalink statistics
-- Total of 1 flow:
Average throughput: 134.36 Mbit/s
95th percentile per-packet one-way delay: 197.304 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 134.36 Mbit/s
95th percentile per-packet one-way delay: 197.304 ms
Loss rate: 0.00%

Run 4: Report of Verus — Data Link

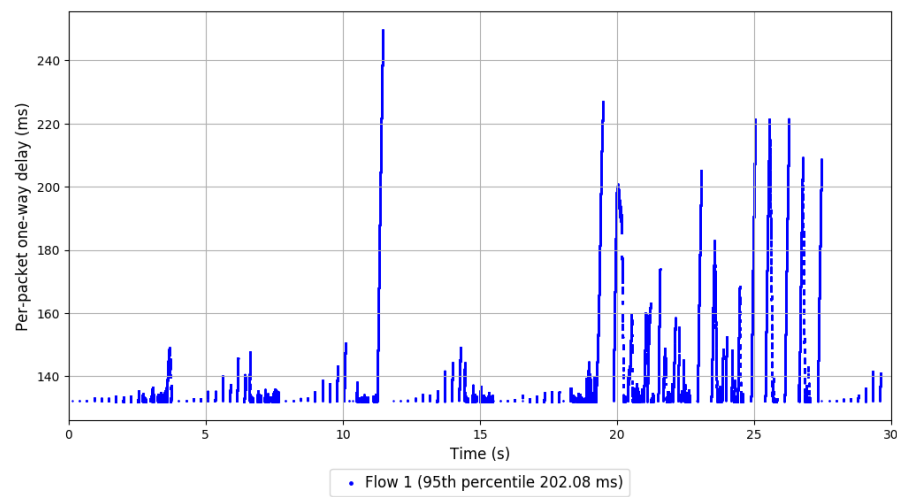
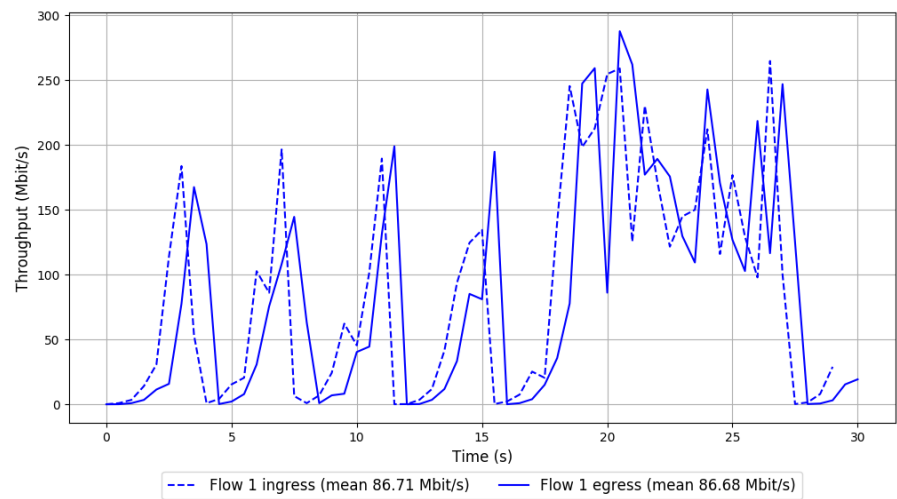


Run 5: Statistics of Verus

Start at: 2019-02-12 01:23:13
End at: 2019-02-12 01:23:43
Local clock offset: -0.095 ms
Remote clock offset: -0.599 ms

Below is generated by plot.py at 2019-02-12 03:56:17
Datalink statistics
-- Total of 1 flow:
Average throughput: 86.68 Mbit/s
95th percentile per-packet one-way delay: 202.076 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 86.68 Mbit/s
95th percentile per-packet one-way delay: 202.076 ms
Loss rate: 0.01%

Run 5: Report of Verus — Data Link



Run 1: Statistics of PCC-Vivace

Start at: 2019-02-11 22:55:54

End at: 2019-02-11 22:56:24

Local clock offset: -0.106 ms

Remote clock offset: -0.008 ms

Below is generated by plot.py at 2019-02-12 03:58:36

Datalink statistics

-- Total of 1 flow:

Average throughput: 362.02 Mbit/s

95th percentile per-packet one-way delay: 134.138 ms

Loss rate: 0.00%

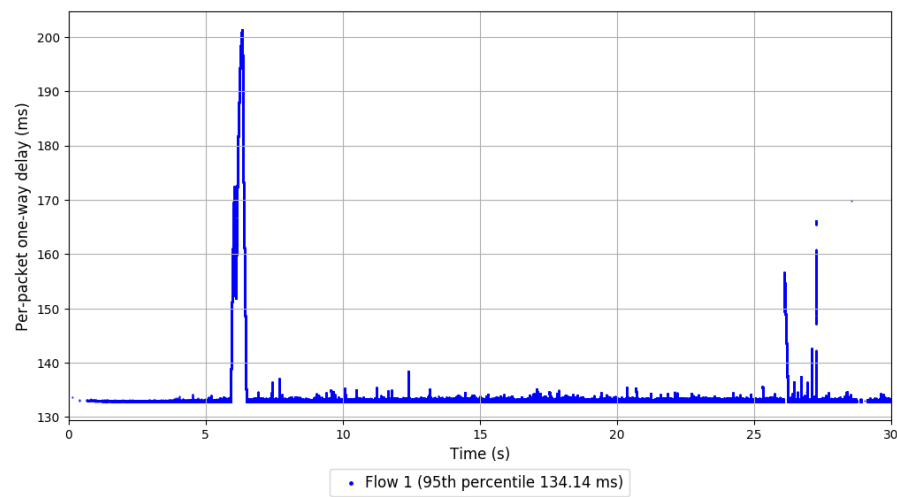
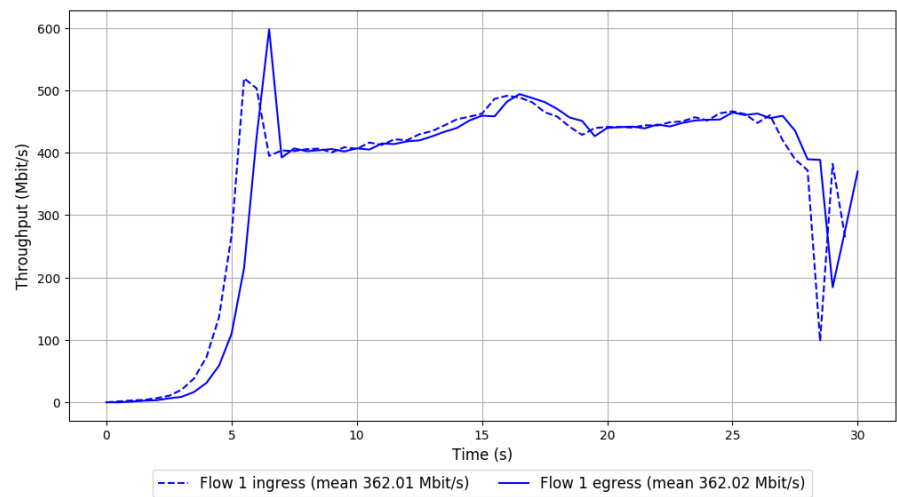
-- Flow 1:

Average throughput: 362.02 Mbit/s

95th percentile per-packet one-way delay: 134.138 ms

Loss rate: 0.00%

Run 1: Report of PCC-Vivace — Data Link



Run 2: Statistics of PCC-Vivace

Start at: 2019-02-11 23:28:24

End at: 2019-02-11 23:28:54

Local clock offset: -0.462 ms

Remote clock offset: -0.04 ms

Below is generated by plot.py at 2019-02-12 03:58:50

Datalink statistics

-- Total of 1 flow:

Average throughput: 339.43 Mbit/s

95th percentile per-packet one-way delay: 134.816 ms

Loss rate: 0.00%

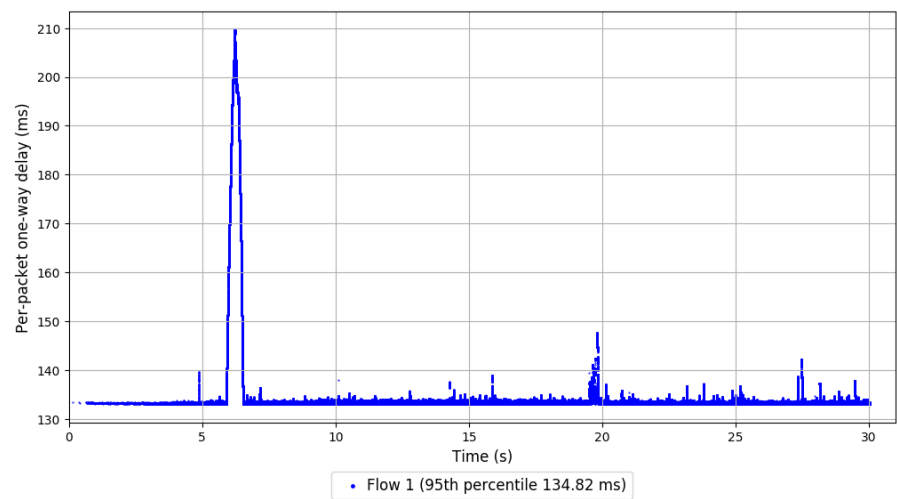
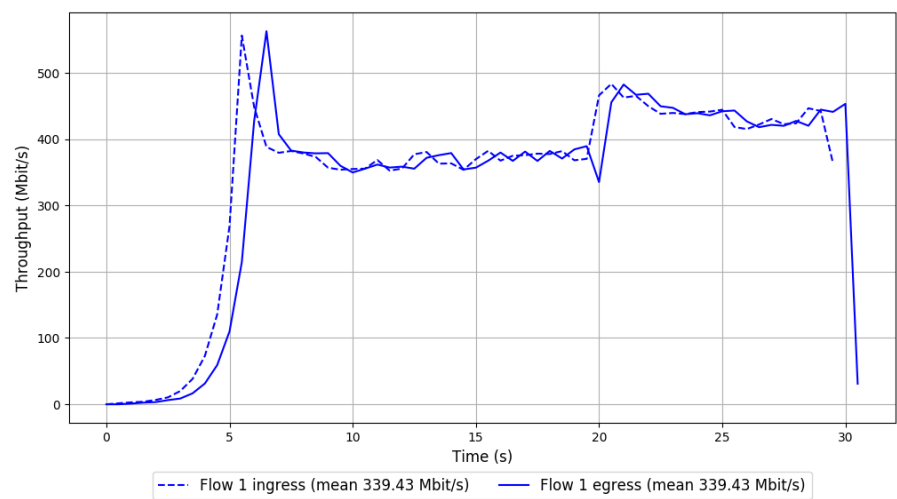
-- Flow 1:

Average throughput: 339.43 Mbit/s

95th percentile per-packet one-way delay: 134.816 ms

Loss rate: 0.00%

Run 2: Report of PCC-Vivace — Data Link



Run 3: Statistics of PCC-Vivace

Start at: 2019-02-12 00:04:33

End at: 2019-02-12 00:05:03

Local clock offset: -0.31 ms

Remote clock offset: -0.173 ms

Below is generated by plot.py at 2019-02-12 03:59:19

Datalink statistics

-- Total of 1 flow:

Average throughput: 333.47 Mbit/s

95th percentile per-packet one-way delay: 135.818 ms

Loss rate: 0.00%

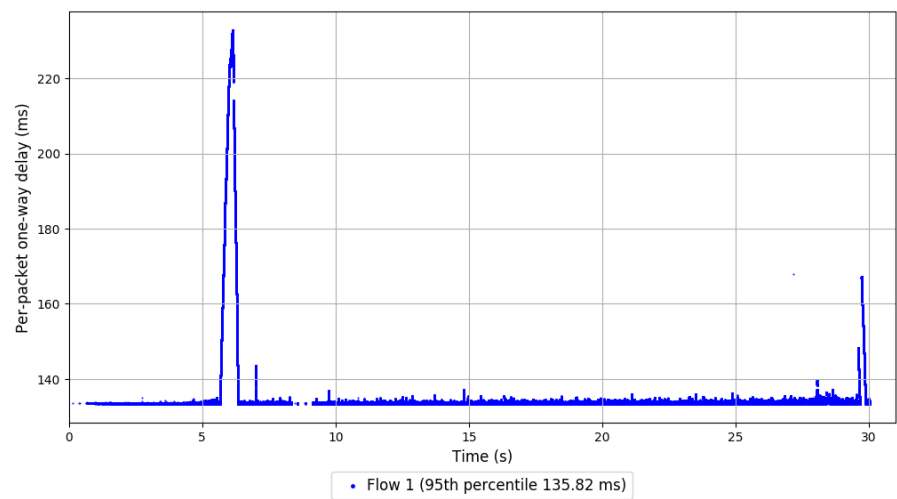
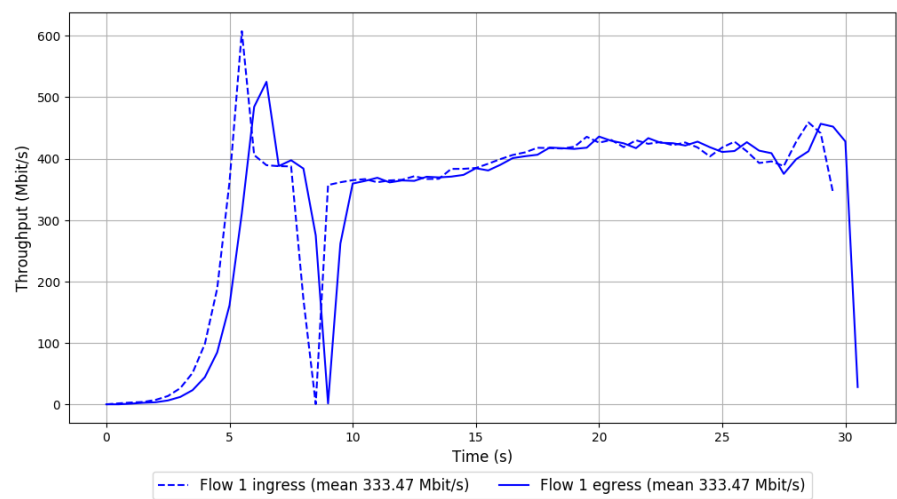
-- Flow 1:

Average throughput: 333.47 Mbit/s

95th percentile per-packet one-way delay: 135.818 ms

Loss rate: 0.00%

Run 3: Report of PCC-Vivace — Data Link

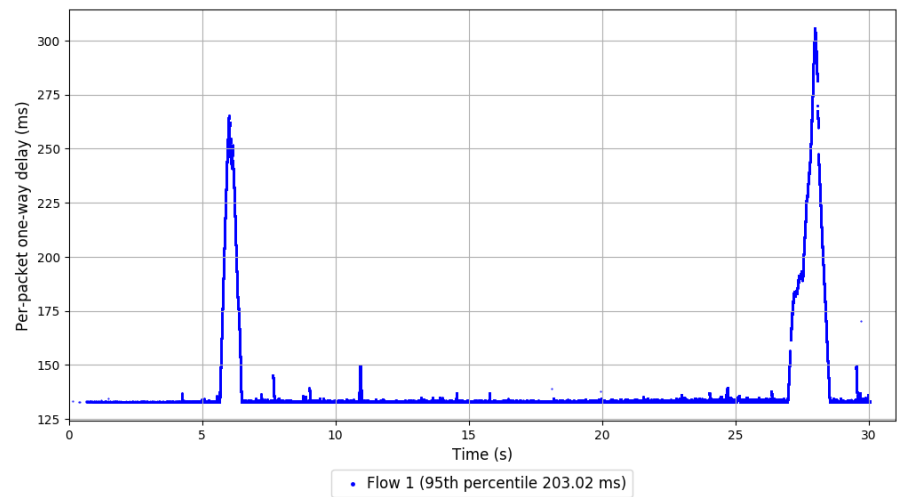
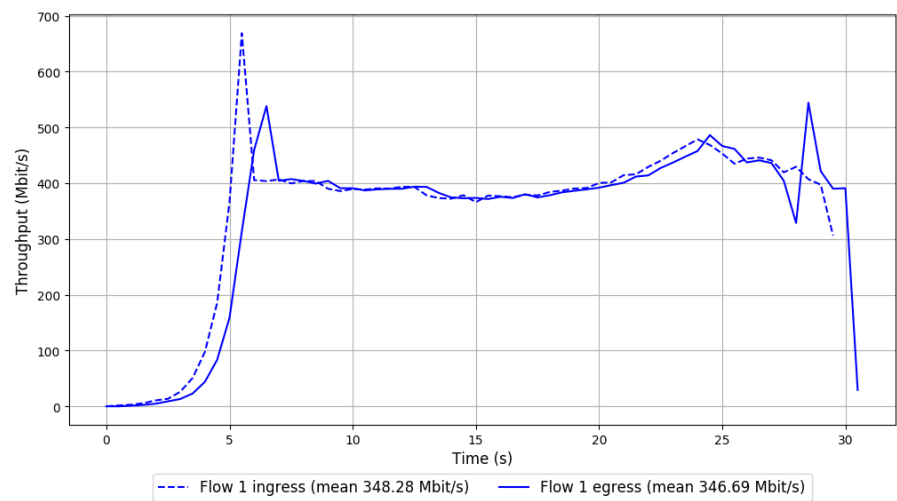


Run 4: Statistics of PCC-Vivace

Start at: 2019-02-12 00:40:23
End at: 2019-02-12 00:40:53
Local clock offset: -0.058 ms
Remote clock offset: -0.225 ms

Below is generated by plot.py at 2019-02-12 03:59:25
Datalink statistics
-- Total of 1 flow:
Average throughput: 346.69 Mbit/s
95th percentile per-packet one-way delay: 203.022 ms
Loss rate: 0.46%
-- Flow 1:
Average throughput: 346.69 Mbit/s
95th percentile per-packet one-way delay: 203.022 ms
Loss rate: 0.46%

Run 4: Report of PCC-Vivace — Data Link



Run 5: Statistics of PCC-Vivace

Start at: 2019-02-12 01:17:04

End at: 2019-02-12 01:17:34

Local clock offset: 0.164 ms

Remote clock offset: -0.265 ms

Below is generated by plot.py at 2019-02-12 03:59:25

Datalink statistics

-- Total of 1 flow:

Average throughput: 285.49 Mbit/s

95th percentile per-packet one-way delay: 256.737 ms

Loss rate: 0.00%

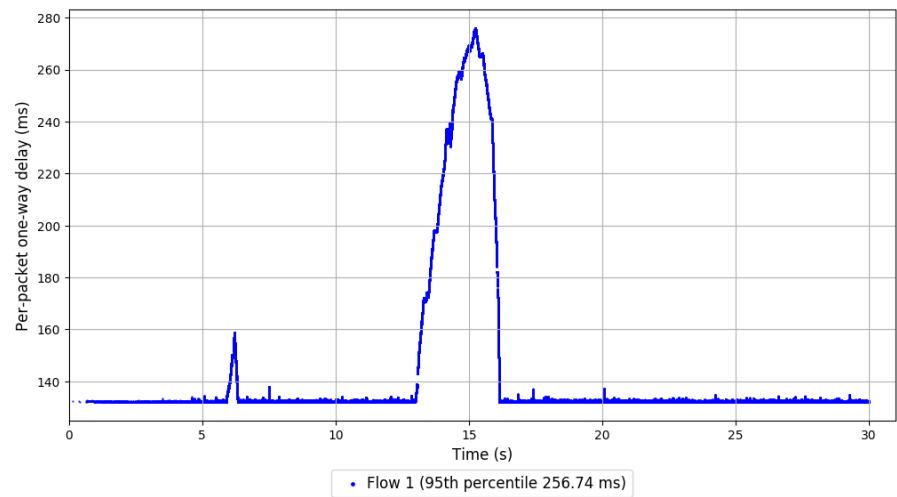
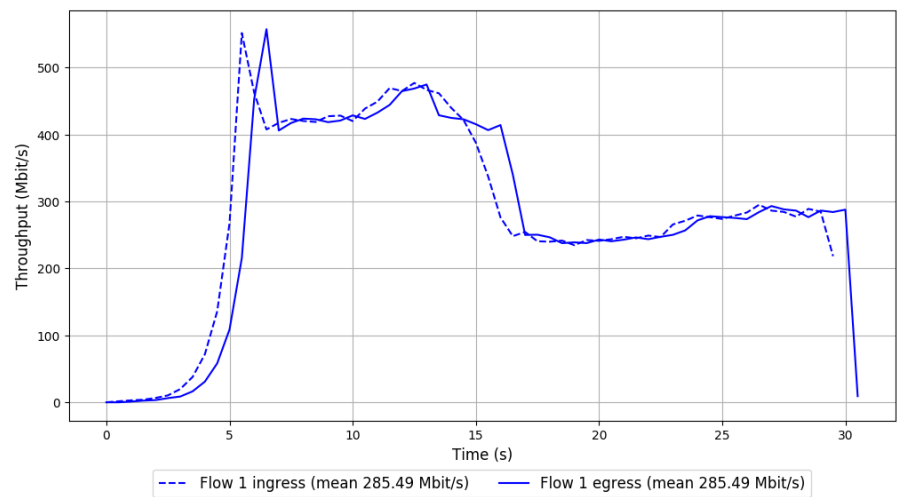
-- Flow 1:

Average throughput: 285.49 Mbit/s

95th percentile per-packet one-way delay: 256.737 ms

Loss rate: 0.00%

Run 5: Report of PCC-Vivace — Data Link

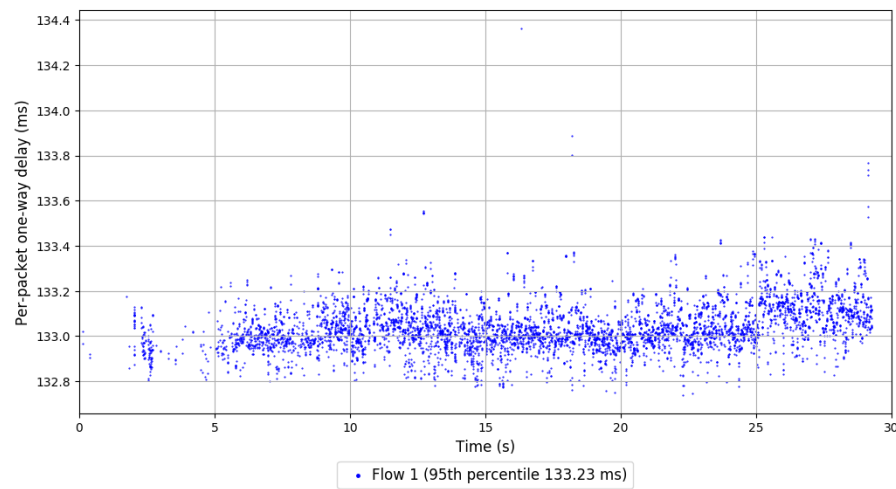
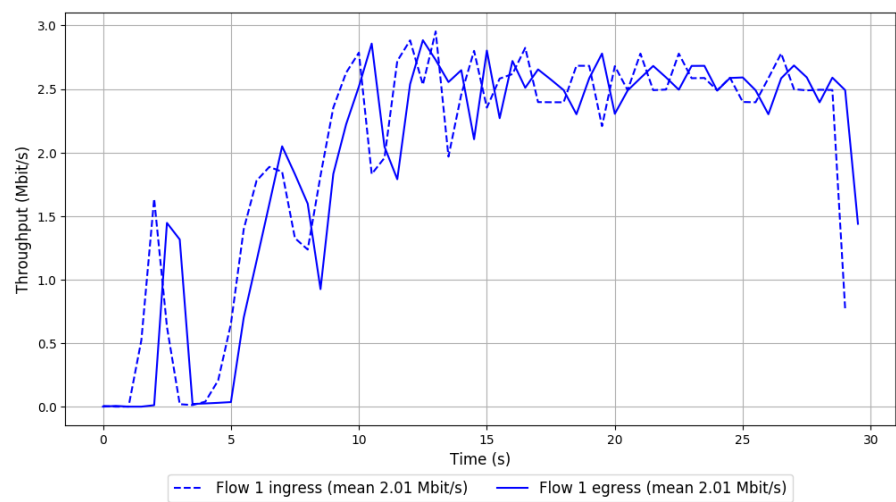


Run 1: Statistics of WebRTC media

Start at: 2019-02-11 23:08:27
End at: 2019-02-11 23:08:57
Local clock offset: -0.052 ms
Remote clock offset: -0.084 ms

Below is generated by plot.py at 2019-02-12 03:59:25
Datalink statistics
-- Total of 1 flow:
Average throughput: 2.01 Mbit/s
95th percentile per-packet one-way delay: 133.226 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.01 Mbit/s
95th percentile per-packet one-way delay: 133.226 ms
Loss rate: 0.00%

Run 1: Report of WebRTC media — Data Link

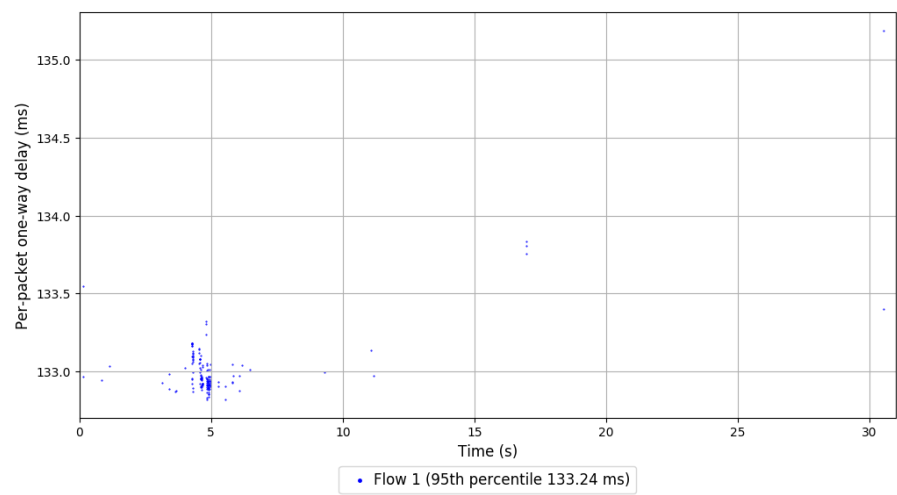
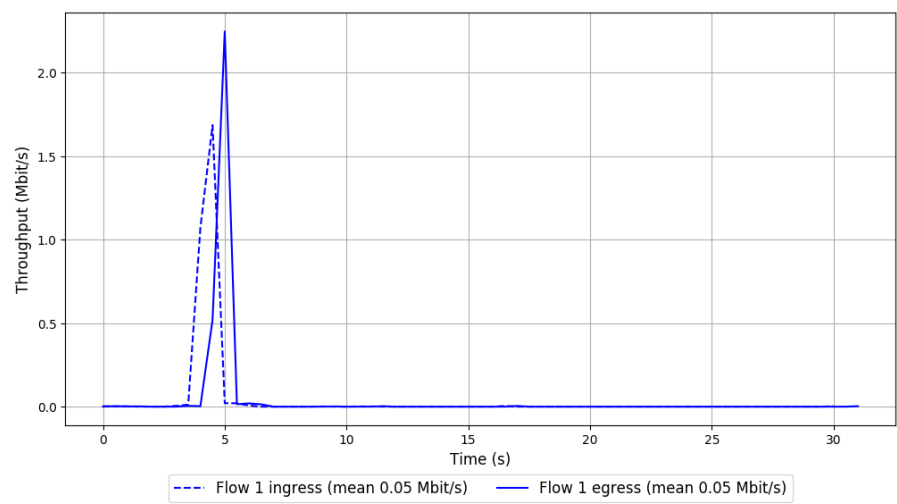


Run 2: Statistics of WebRTC media

Start at: 2019-02-11 23:42:27
End at: 2019-02-11 23:42:57
Local clock offset: 0.239 ms
Remote clock offset: -0.042 ms

Below is generated by plot.py at 2019-02-12 03:59:25
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 133.240 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 133.240 ms
Loss rate: 0.00%

Run 2: Report of WebRTC media — Data Link

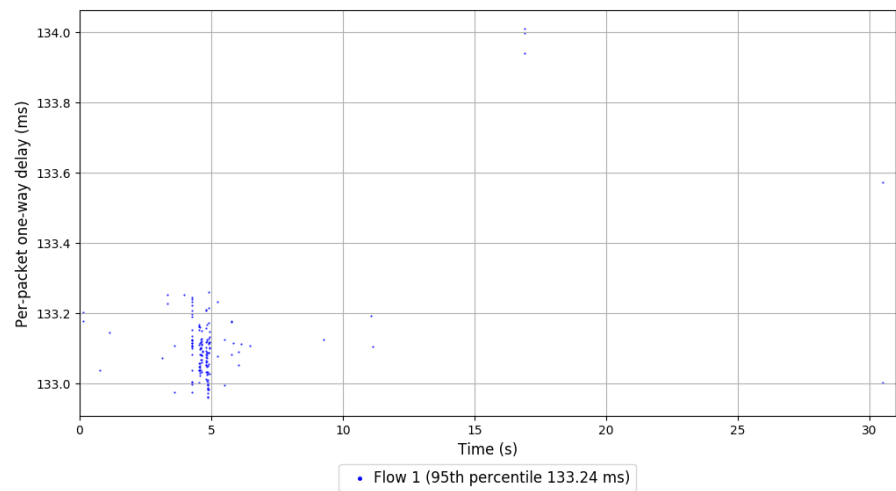
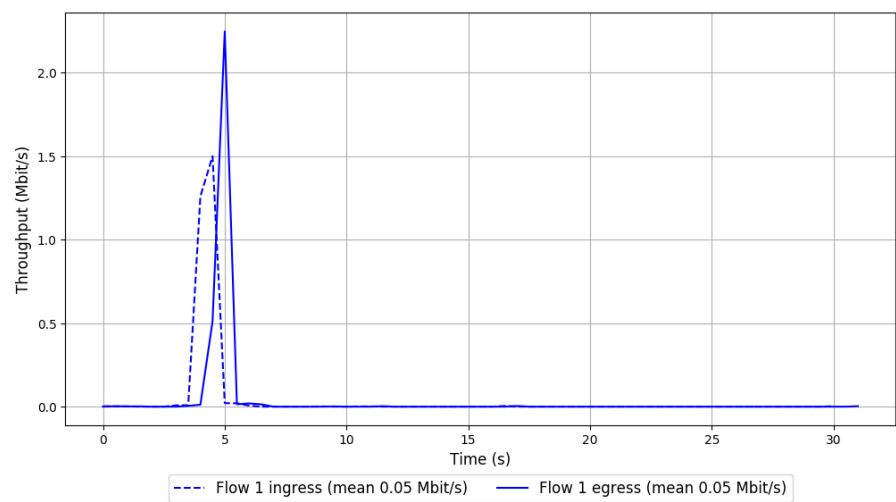


Run 3: Statistics of WebRTC media

Start at: 2019-02-12 00:19:37
End at: 2019-02-12 00:20:07
Local clock offset: -0.028 ms
Remote clock offset: -0.149 ms

Below is generated by plot.py at 2019-02-12 03:59:25
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 133.240 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 133.240 ms
Loss rate: 0.00%

Run 3: Report of WebRTC media — Data Link

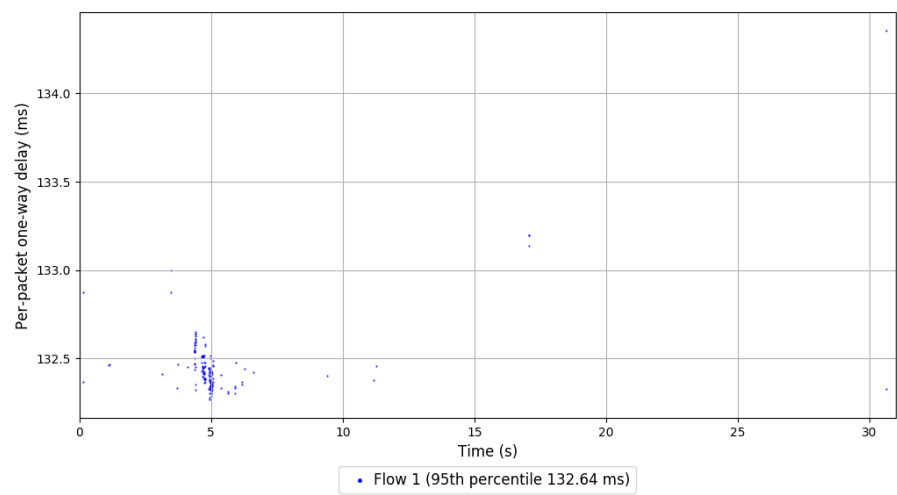
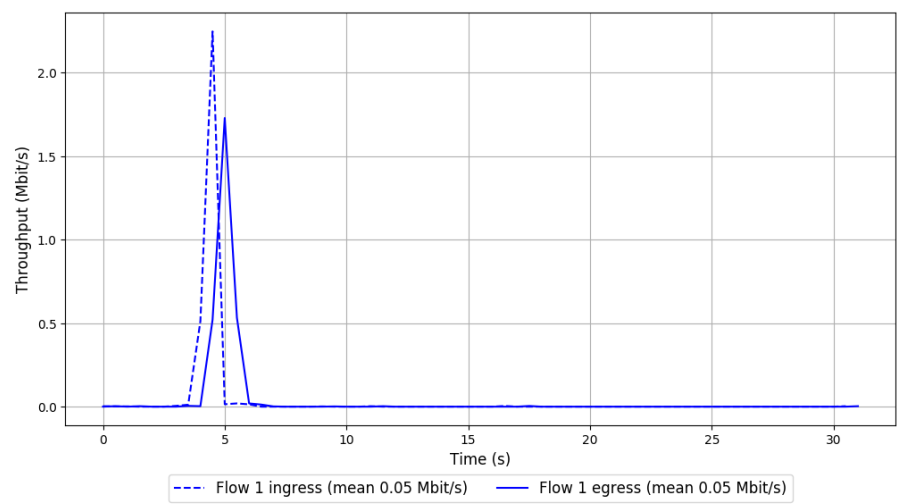


Run 4: Statistics of WebRTC media

Start at: 2019-02-12 00:55:21
End at: 2019-02-12 00:55:51
Local clock offset: 0.524 ms
Remote clock offset: -0.227 ms

Below is generated by plot.py at 2019-02-12 03:59:25
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 132.642 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 132.642 ms
Loss rate: 0.00%

Run 4: Report of WebRTC media — Data Link



Run 5: Statistics of WebRTC media

Start at: 2019-02-12 01:31:36
End at: 2019-02-12 01:32:06
Local clock offset: -0.334 ms
Remote clock offset: -0.205 ms

Below is generated by plot.py at 2019-02-12 03:59:25
Datalink statistics
-- Total of 1 flow:
Average throughput: 2.01 Mbit/s
95th percentile per-packet one-way delay: 133.529 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.01 Mbit/s
95th percentile per-packet one-way delay: 133.529 ms
Loss rate: 0.00%

Run 5: Report of WebRTC media — Data Link

