

Pantheon Report

Generated at 2019-02-05 17:08:16 (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:

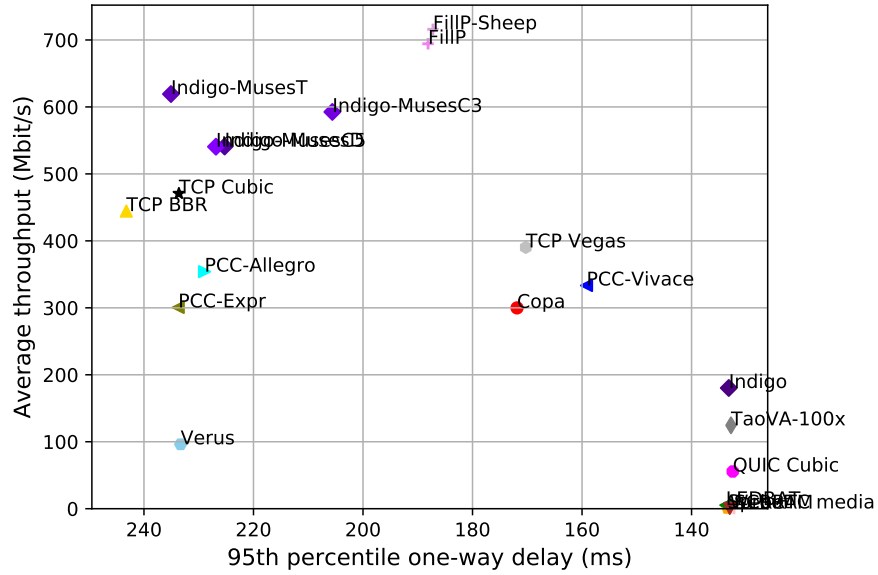
```
Linux 4.15.0-1026-gcp
net.core.default_qdisc = fq
net.core.rmem_default = 16777216
net.core.rmem_max = 536870912
net.core.wmem_default = 16777216
net.core.wmem_max = 536870912
net.ipv4.tcp_rmem = 4096 16777216 536870912
net.ipv4.tcp_wmem = 4096 16777216 536870912
```

Git summary:

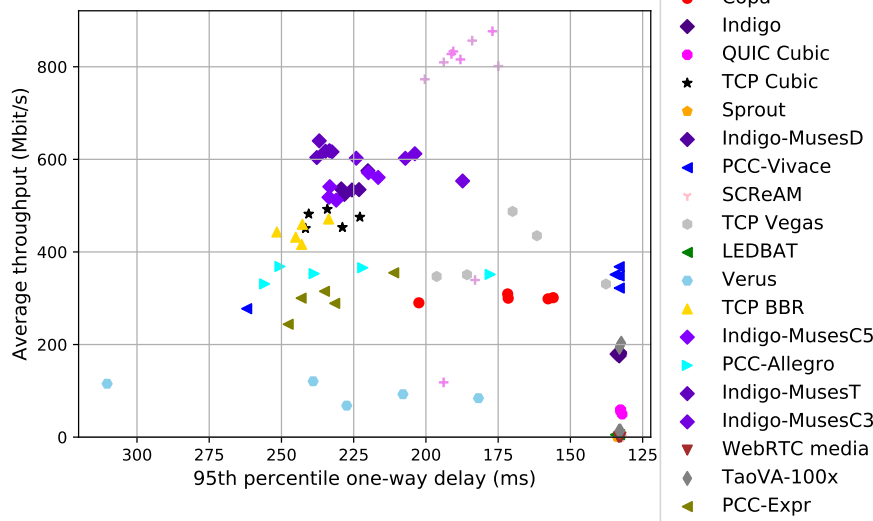
```
branch: muses @ 7a686f7c2ed0a333082c0bab1fa5c921ab47e6ee
third_party/fillp @ d6da1459332fcee56963885d7eba17e6a32d4519
third_party/fillp-sheep @ 0e5bb722943babcd2b090d2c64fcd45e12e923f9
third_party/genericCC @ d0153f8e594aa89e93b032143cedbdf58e562f4
third_party/indigo @ 2601c92e4aa9d58d38dc4dfe0ecd90c077e64d
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



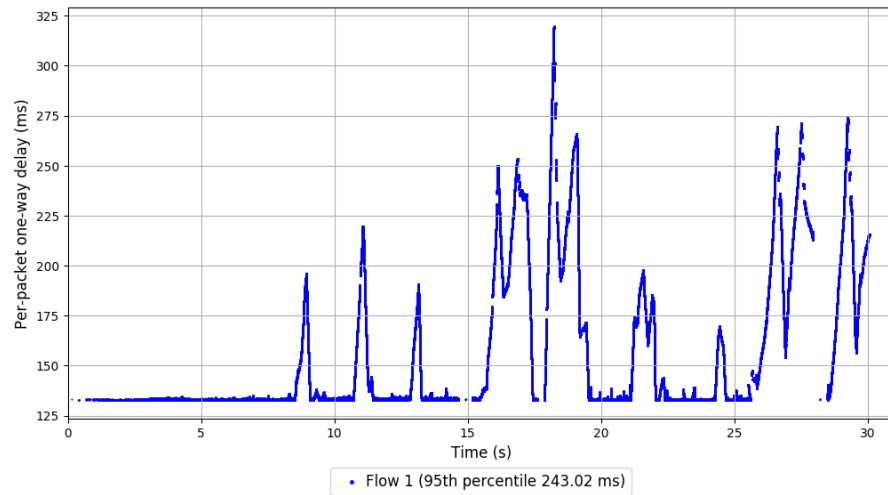
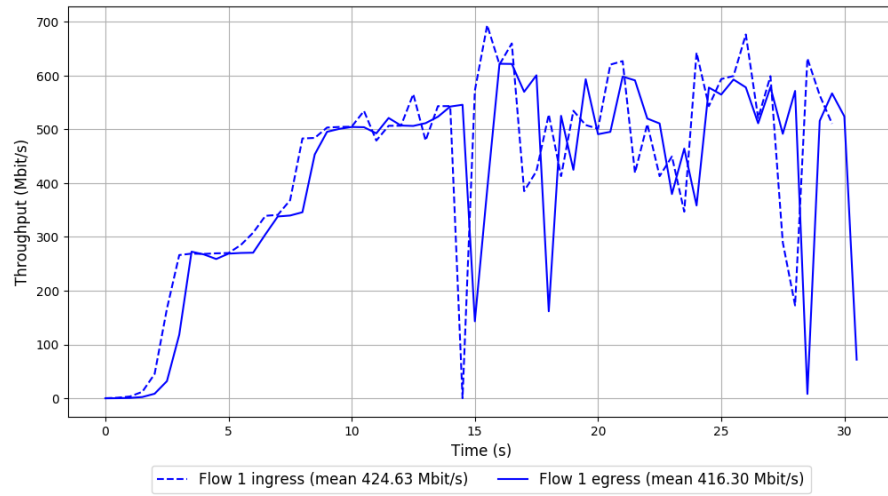
scheme	# runs	mean avg tput (Mbit/s) flow 1	mean 95th-%ile delay (ms) flow 1	mean loss rate (%) flow 1
TCP BBR	5	444.44	243.22	1.88
Copa	5	299.89	171.87	0.05
TCP Cubic	5	470.72	233.62	0.26
FillP	5	694.32	188.12	1.71
FillP-Sheep	5	715.93	187.23	1.27
Indigo	5	180.29	133.21	0.00
Indigo-MusesC3	4	592.54	205.60	0.26
Indigo-MusesC5	5	540.61	226.86	0.81
Indigo-MusesD	5	540.90	225.27	0.35
Indigo-MusesT	5	619.27	235.07	1.96
LEDBAT	5	5.31	133.75	0.00
PCC-Allegro	5	354.00	228.94	1.44
PCC-Expr	5	300.57	233.75	3.65
QUIC Cubic	4	55.56	132.48	0.00
SCReAM	5	0.15	132.25	0.00
Sprout	5	0.68	133.42	0.00
TaoVA-100x	5	124.50	132.80	0.00
TCP Vegas	5	390.21	170.27	0.45
Verus	5	96.19	233.31	2.67
PCC-Vivace	5	333.36	159.18	0.07
WebRTC media	5	0.42	133.03	0.00

Run 1: Statistics of TCP BBR

Start at: 2019-02-05 12:25:42
End at: 2019-02-05 12:26:12
Local clock offset: -0.221 ms
Remote clock offset: -0.288 ms

Below is generated by plot.py at 2019-02-05 15:18:11
Datalink statistics
-- Total of 1 flow:
Average throughput: 416.30 Mbit/s
95th percentile per-packet one-way delay: 243.022 ms
Loss rate: 1.96%
-- Flow 1:
Average throughput: 416.30 Mbit/s
95th percentile per-packet one-way delay: 243.022 ms
Loss rate: 1.96%

Run 1: Report of TCP BBR — Data Link



Run 2: Statistics of TCP BBR

Start at: 2019-02-05 12:58:14

End at: 2019-02-05 12:58:44

Local clock offset: 0.027 ms

Remote clock offset: 0.065 ms

Below is generated by plot.py at 2019-02-05 15:18:52

Datalink statistics

-- Total of 1 flow:

Average throughput: 459.79 Mbit/s

95th percentile per-packet one-way delay: 242.757 ms

Loss rate: 1.77%

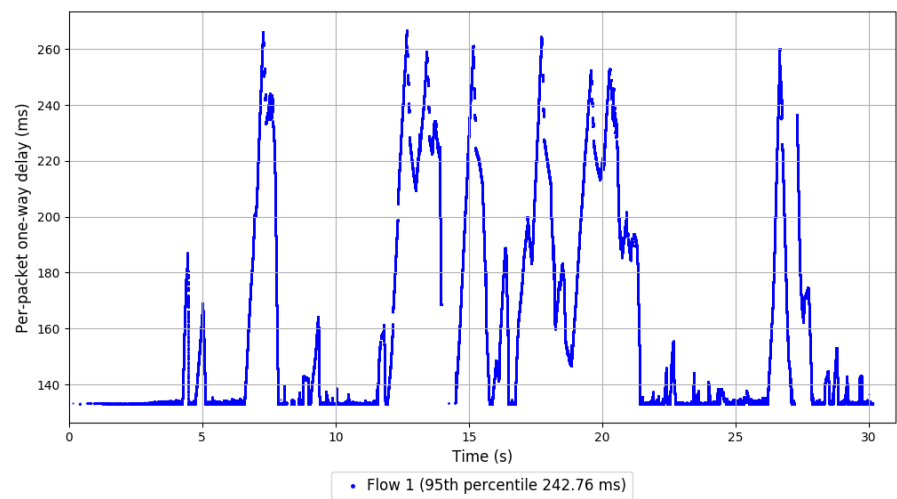
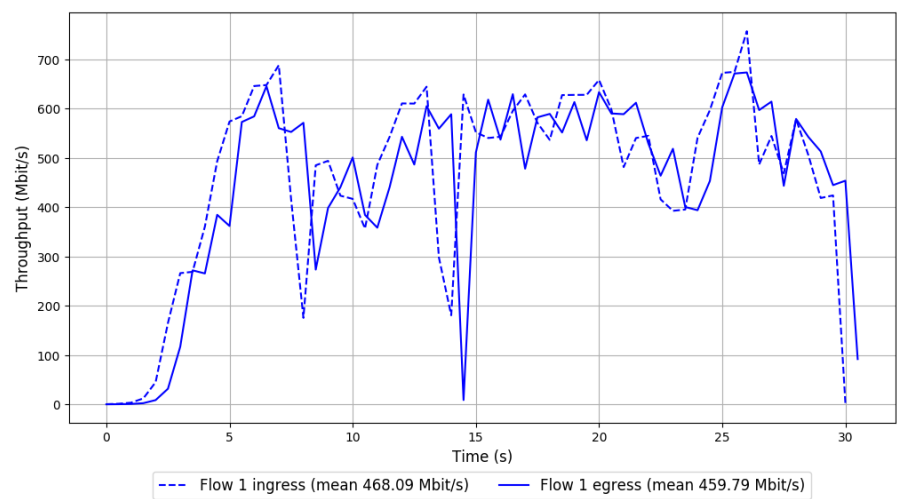
-- Flow 1:

Average throughput: 459.79 Mbit/s

95th percentile per-packet one-way delay: 242.757 ms

Loss rate: 1.77%

Run 2: Report of TCP BBR — Data Link



Run 3: Statistics of TCP BBR

Start at: 2019-02-05 13:30:46

End at: 2019-02-05 13:31:16

Local clock offset: -0.22 ms

Remote clock offset: 0.023 ms

Below is generated by plot.py at 2019-02-05 15:18:52

Datalink statistics

-- Total of 1 flow:

Average throughput: 431.87 Mbit/s

95th percentile per-packet one-way delay: 245.071 ms

Loss rate: 1.39%

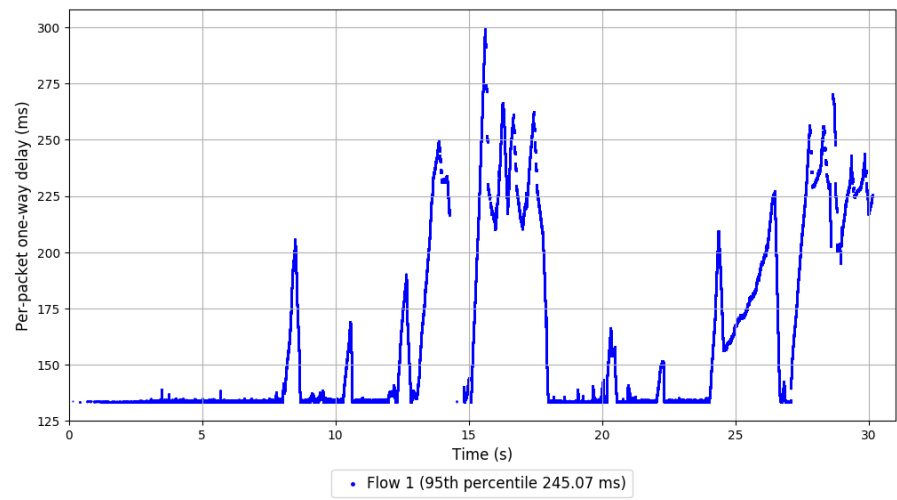
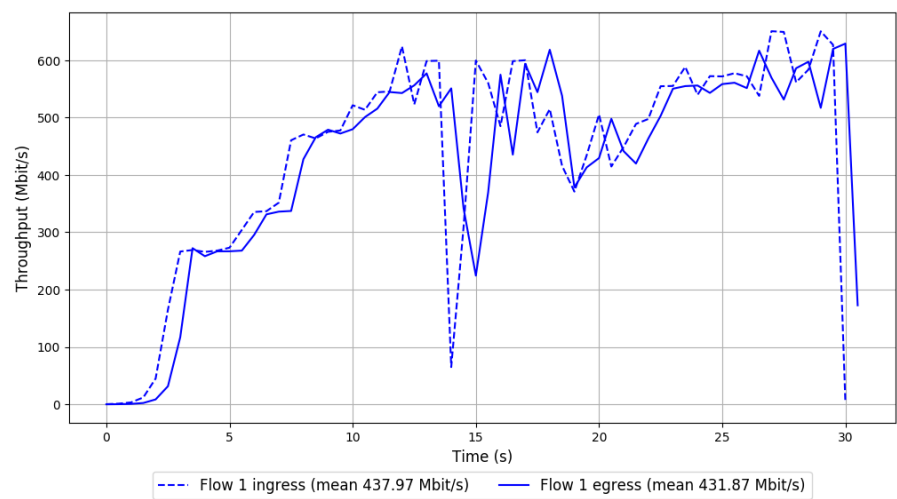
-- Flow 1:

Average throughput: 431.87 Mbit/s

95th percentile per-packet one-way delay: 245.071 ms

Loss rate: 1.39%

Run 3: Report of TCP BBR — Data Link



Run 4: Statistics of TCP BBR

Start at: 2019-02-05 14:02:38

End at: 2019-02-05 14:03:08

Local clock offset: -0.489 ms

Remote clock offset: 0.021 ms

Below is generated by plot.py at 2019-02-05 15:19:03

Datalink statistics

-- Total of 1 flow:

Average throughput: 471.17 Mbit/s

95th percentile per-packet one-way delay: 233.663 ms

Loss rate: 1.42%

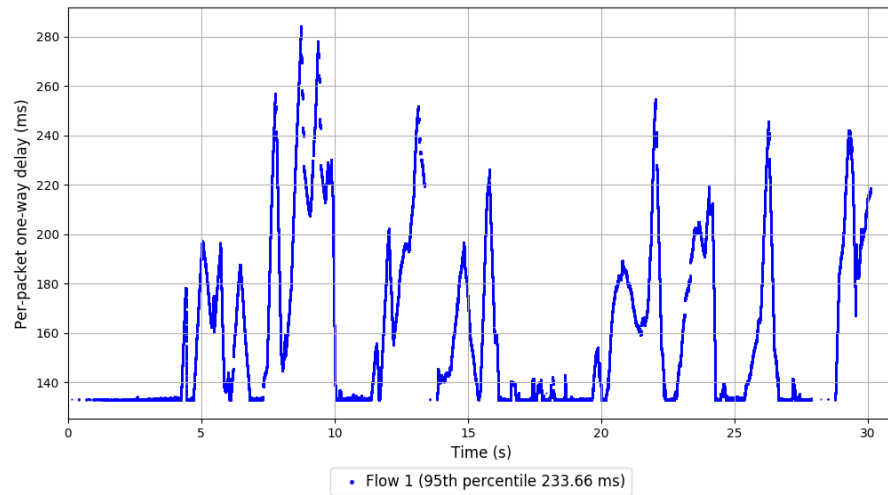
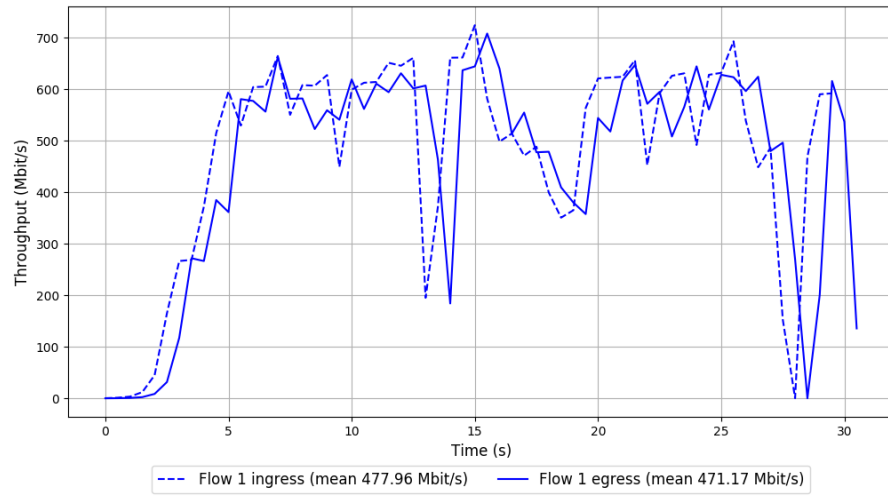
-- Flow 1:

Average throughput: 471.17 Mbit/s

95th percentile per-packet one-way delay: 233.663 ms

Loss rate: 1.42%

Run 4: Report of TCP BBR — Data Link



Run 5: Statistics of TCP BBR

Start at: 2019-02-05 14:34:28

End at: 2019-02-05 14:34:58

Local clock offset: -0.223 ms

Remote clock offset: 0.376 ms

Below is generated by plot.py at 2019-02-05 15:19:03

Datalink statistics

-- Total of 1 flow:

Average throughput: 443.09 Mbit/s

95th percentile per-packet one-way delay: 251.592 ms

Loss rate: 2.88%

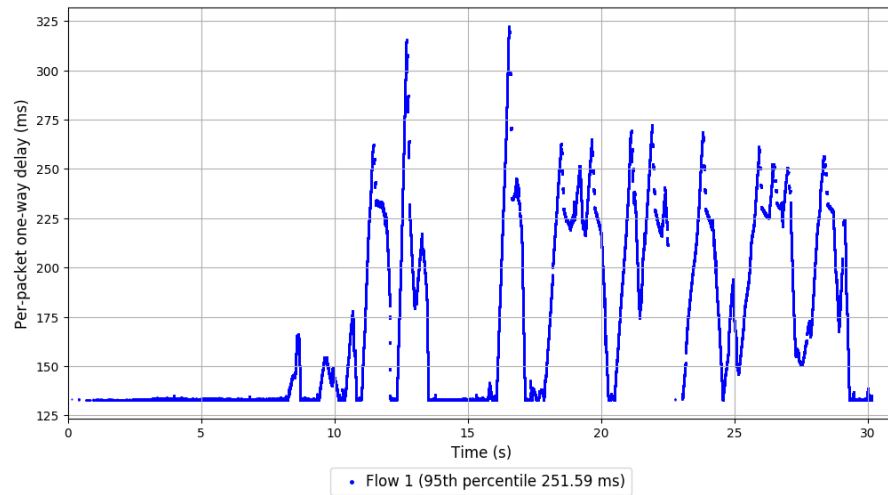
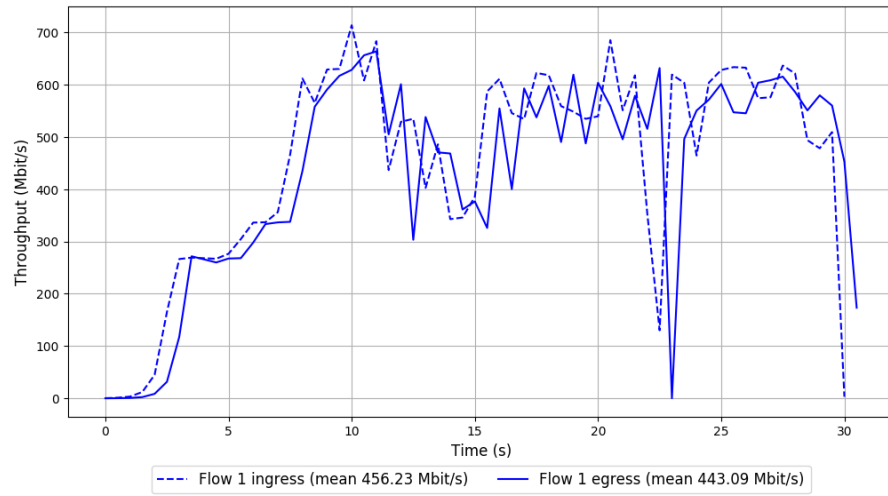
-- Flow 1:

Average throughput: 443.09 Mbit/s

95th percentile per-packet one-way delay: 251.592 ms

Loss rate: 2.88%

Run 5: Report of TCP BBR — Data Link



Run 1: Statistics of Copa

Start at: 2019-02-05 12:21:35

End at: 2019-02-05 12:22:05

Local clock offset: 0.105 ms

Remote clock offset: 0.078 ms

Below is generated by plot.py at 2019-02-05 15:20:32

Datalink statistics

-- Total of 1 flow:

Average throughput: 300.07 Mbit/s

95th percentile per-packet one-way delay: 171.526 ms

Loss rate: 0.00%

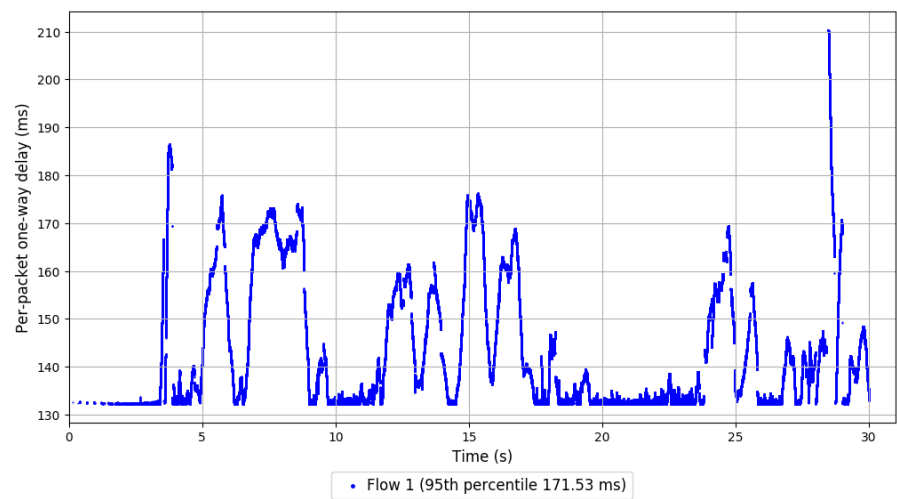
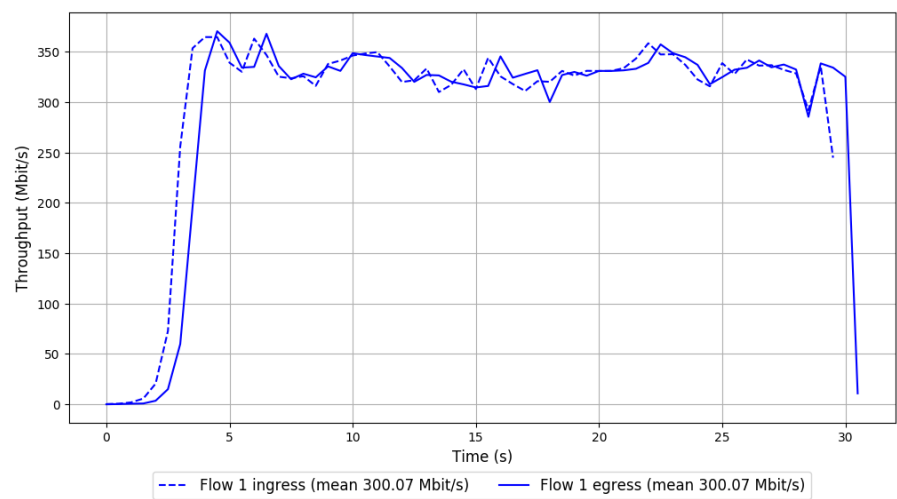
-- Flow 1:

Average throughput: 300.07 Mbit/s

95th percentile per-packet one-way delay: 171.526 ms

Loss rate: 0.00%

Run 1: Report of Copa — Data Link

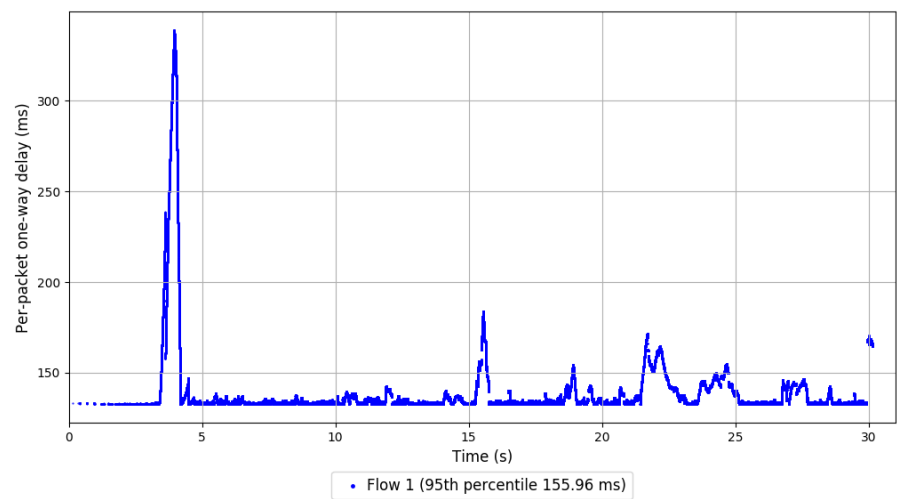
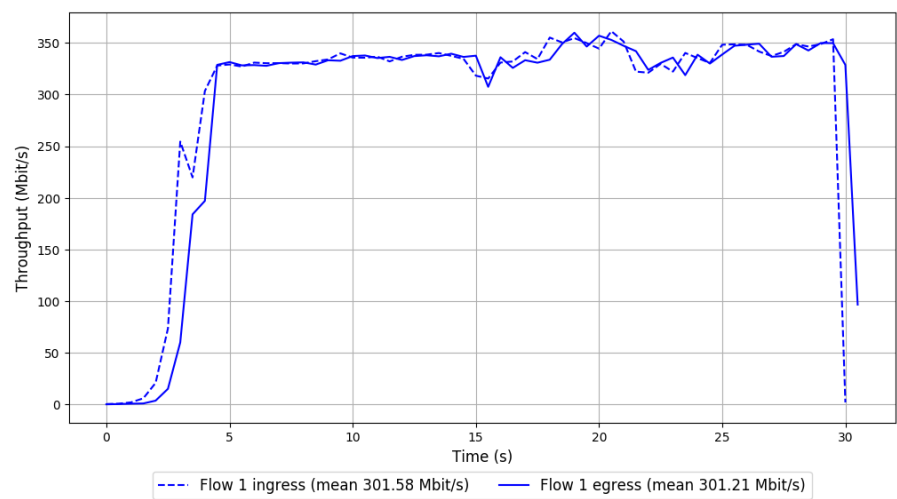


Run 2: Statistics of Copa

Start at: 2019-02-05 12:54:00
End at: 2019-02-05 12:54:31
Local clock offset: -0.176 ms
Remote clock offset: 0.056 ms

Below is generated by plot.py at 2019-02-05 15:20:36
Datalink statistics
-- Total of 1 flow:
Average throughput: 301.21 Mbit/s
95th percentile per-packet one-way delay: 155.958 ms
Loss rate: 0.12%
-- Flow 1:
Average throughput: 301.21 Mbit/s
95th percentile per-packet one-way delay: 155.958 ms
Loss rate: 0.12%

Run 2: Report of Copa — Data Link



Run 3: Statistics of Copa

Start at: 2019-02-05 13:26:21

End at: 2019-02-05 13:26:51

Local clock offset: -0.215 ms

Remote clock offset: 0.037 ms

Below is generated by plot.py at 2019-02-05 15:20:36

Datalink statistics

-- Total of 1 flow:

Average throughput: 298.74 Mbit/s

95th percentile per-packet one-way delay: 157.722 ms

Loss rate: 0.00%

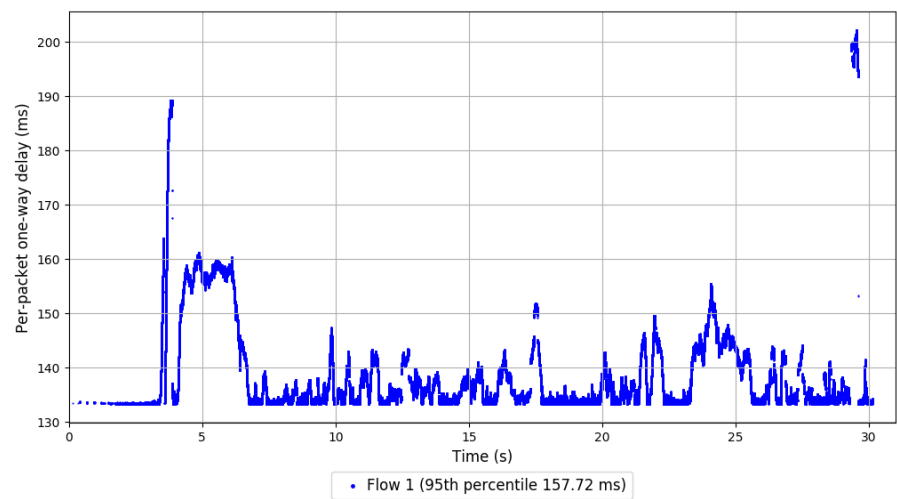
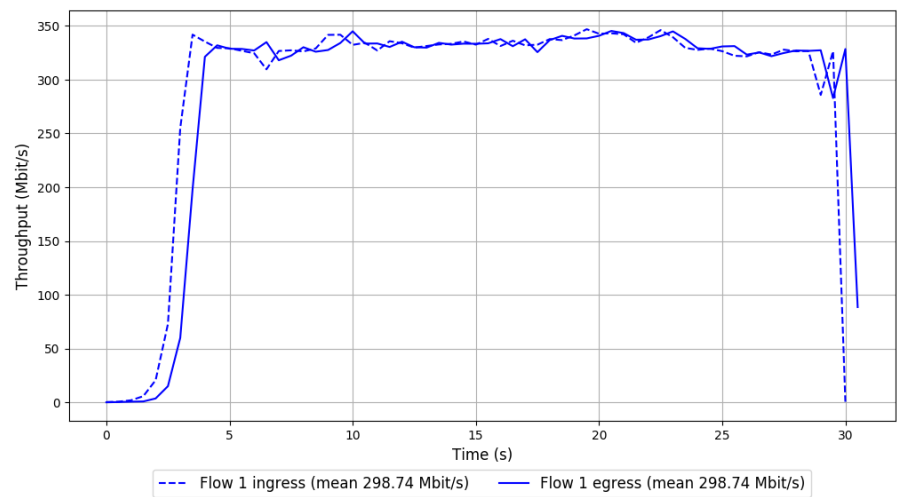
-- Flow 1:

Average throughput: 298.74 Mbit/s

95th percentile per-packet one-way delay: 157.722 ms

Loss rate: 0.00%

Run 3: Report of Copa — Data Link



Run 4: Statistics of Copa

Start at: 2019-02-05 13:58:15

End at: 2019-02-05 13:58:45

Local clock offset: -0.219 ms

Remote clock offset: 0.013 ms

Below is generated by plot.py at 2019-02-05 15:30:06

Datalink statistics

-- Total of 1 flow:

Average throughput: 290.13 Mbit/s

95th percentile per-packet one-way delay: 202.444 ms

Loss rate: 0.12%

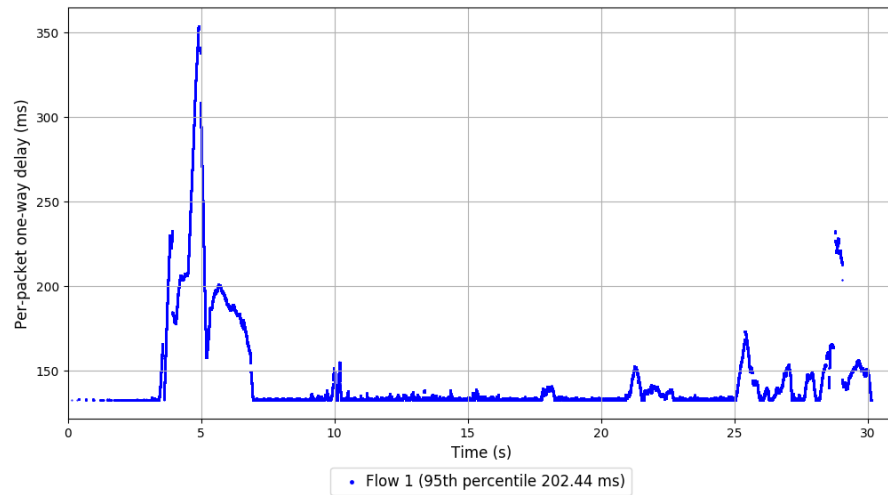
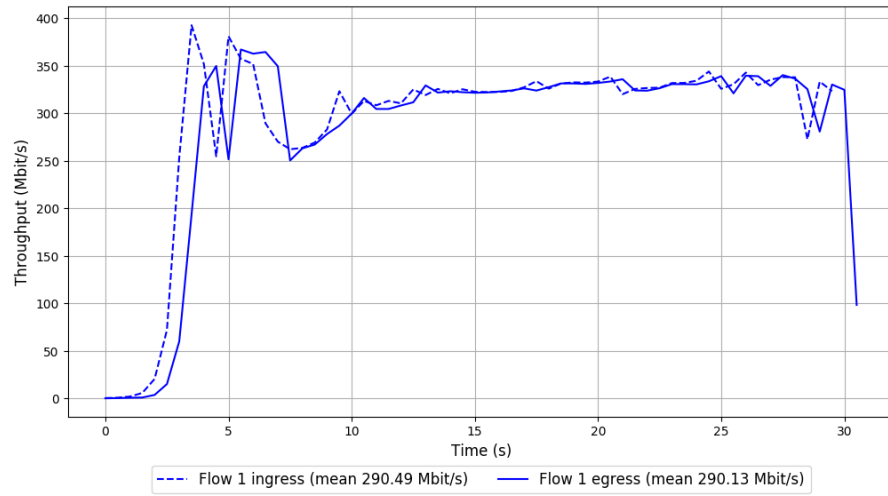
-- Flow 1:

Average throughput: 290.13 Mbit/s

95th percentile per-packet one-way delay: 202.444 ms

Loss rate: 0.12%

Run 4: Report of Copa — Data Link

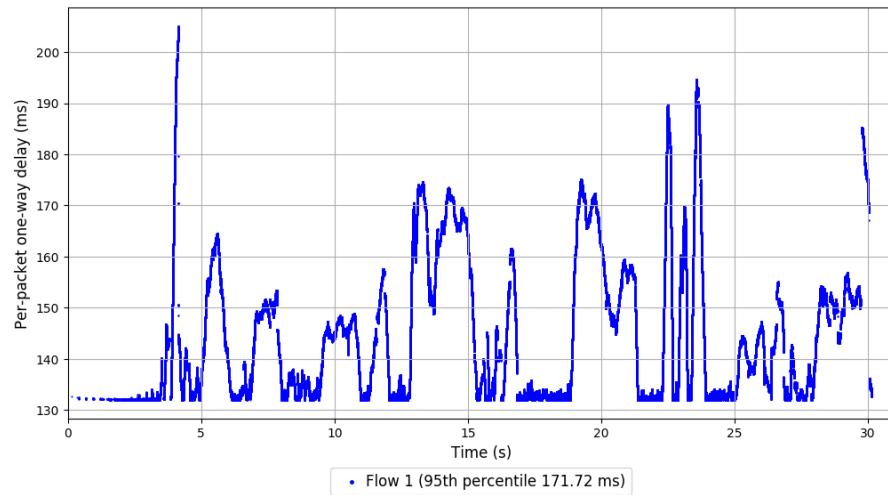
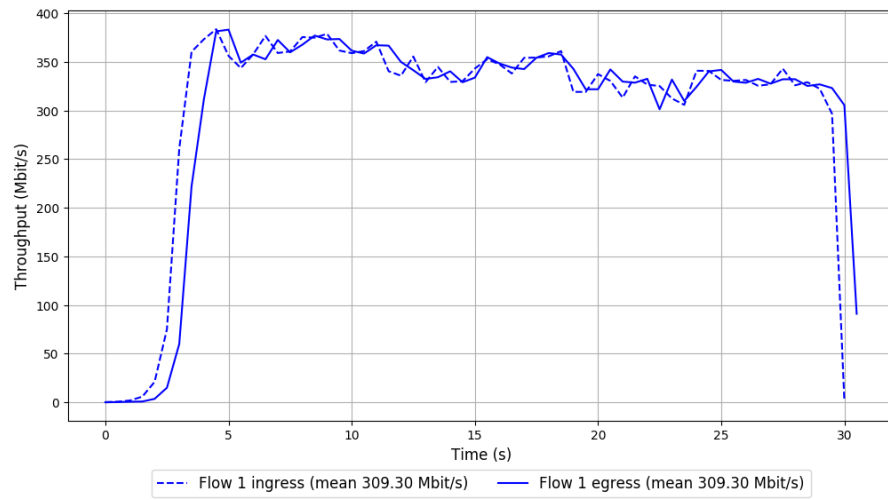


Run 5: Statistics of Copa

Start at: 2019-02-05 14:29:59
End at: 2019-02-05 14:30:29
Local clock offset: -0.075 ms
Remote clock offset: -0.006 ms

Below is generated by plot.py at 2019-02-05 15:31:00
Datalink statistics
-- Total of 1 flow:
Average throughput: 309.30 Mbit/s
95th percentile per-packet one-way delay: 171.716 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 309.30 Mbit/s
95th percentile per-packet one-way delay: 171.716 ms
Loss rate: 0.00%

Run 5: Report of Copa — Data Link



Run 1: Statistics of TCP Cubic

Start at: 2019-02-05 12:28:58

End at: 2019-02-05 12:29:28

Local clock offset: -0.081 ms

Remote clock offset: 0.077 ms

Below is generated by plot.py at 2019-02-05 15:31:00

Datalink statistics

-- Total of 1 flow:

Average throughput: 492.34 Mbit/s

95th percentile per-packet one-way delay: 234.119 ms

Loss rate: 0.26%

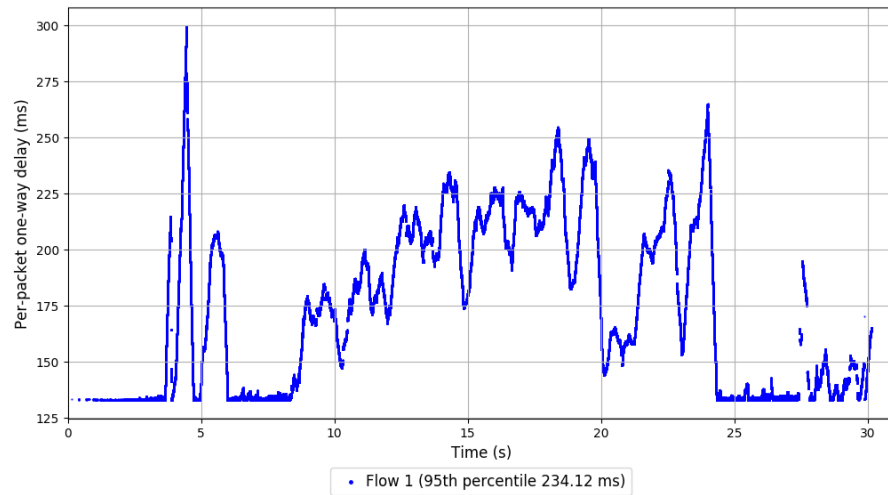
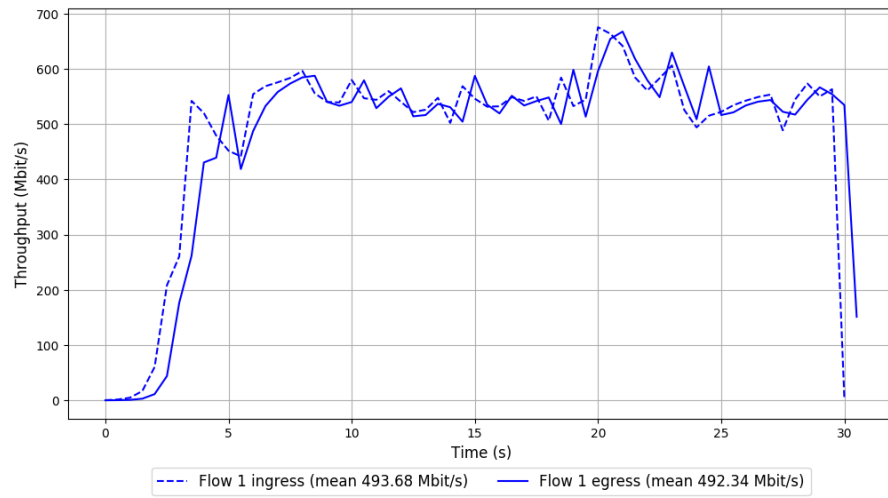
-- Flow 1:

Average throughput: 492.34 Mbit/s

95th percentile per-packet one-way delay: 234.119 ms

Loss rate: 0.26%

Run 1: Report of TCP Cubic — Data Link

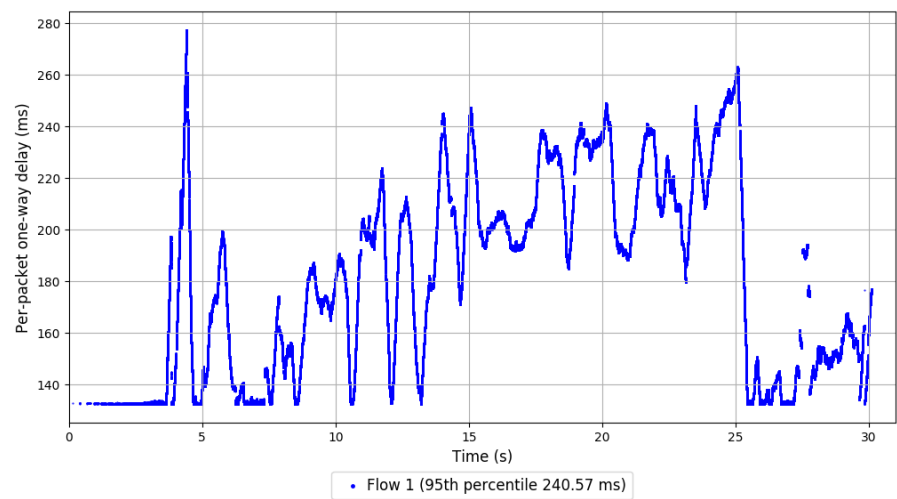
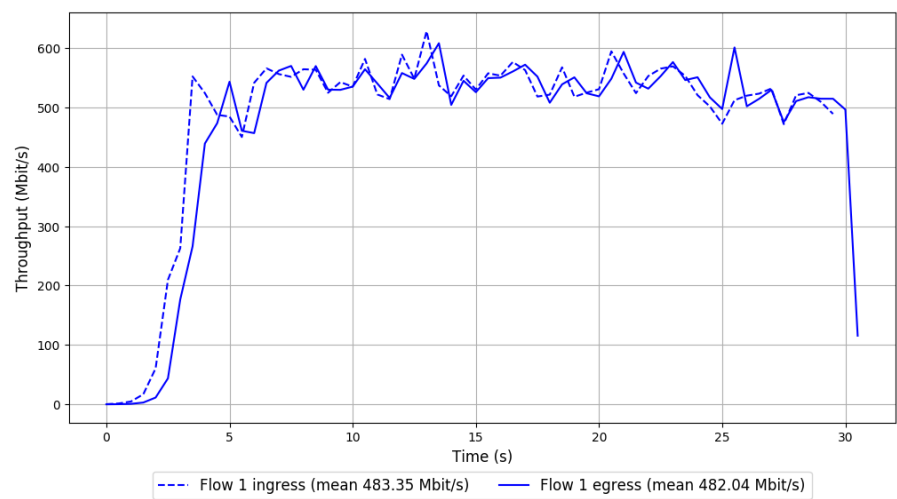


Run 2: Statistics of TCP Cubic

Start at: 2019-02-05 13:01:43
End at: 2019-02-05 13:02:13
Local clock offset: 0.04 ms
Remote clock offset: -0.342 ms

Below is generated by plot.py at 2019-02-05 15:31:00
Datalink statistics
-- Total of 1 flow:
Average throughput: 482.04 Mbit/s
95th percentile per-packet one-way delay: 240.570 ms
Loss rate: 0.25%
-- Flow 1:
Average throughput: 482.04 Mbit/s
95th percentile per-packet one-way delay: 240.570 ms
Loss rate: 0.25%

Run 2: Report of TCP Cubic — Data Link



Run 3: Statistics of TCP Cubic

Start at: 2019-02-05 13:34:02

End at: 2019-02-05 13:34:32

Local clock offset: 0.01 ms

Remote clock offset: 0.058 ms

Below is generated by plot.py at 2019-02-05 15:31:00

Datalink statistics

-- Total of 1 flow:

Average throughput: 475.31 Mbit/s

95th percentile per-packet one-way delay: 222.862 ms

Loss rate: 0.06%

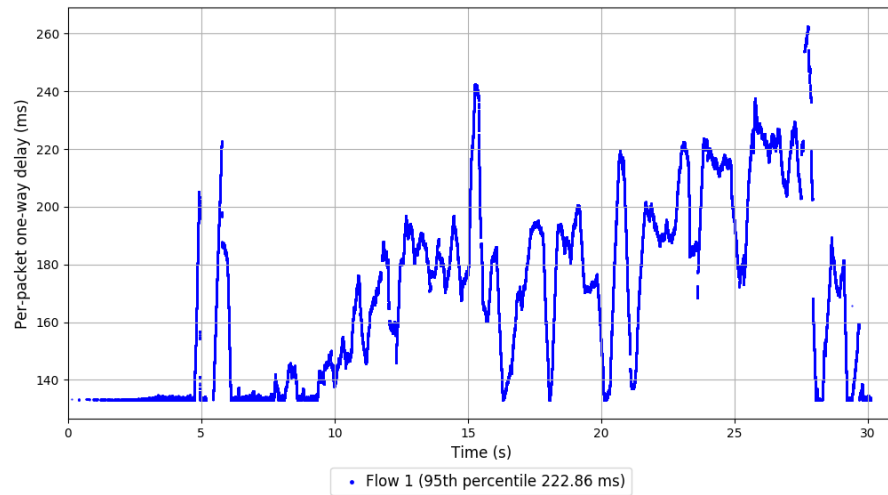
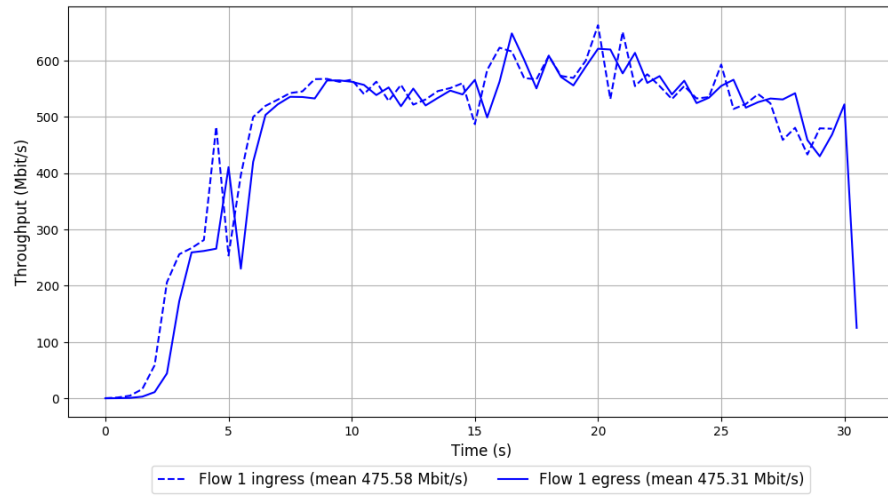
-- Flow 1:

Average throughput: 475.31 Mbit/s

95th percentile per-packet one-way delay: 222.862 ms

Loss rate: 0.06%

Run 3: Report of TCP Cubic — Data Link

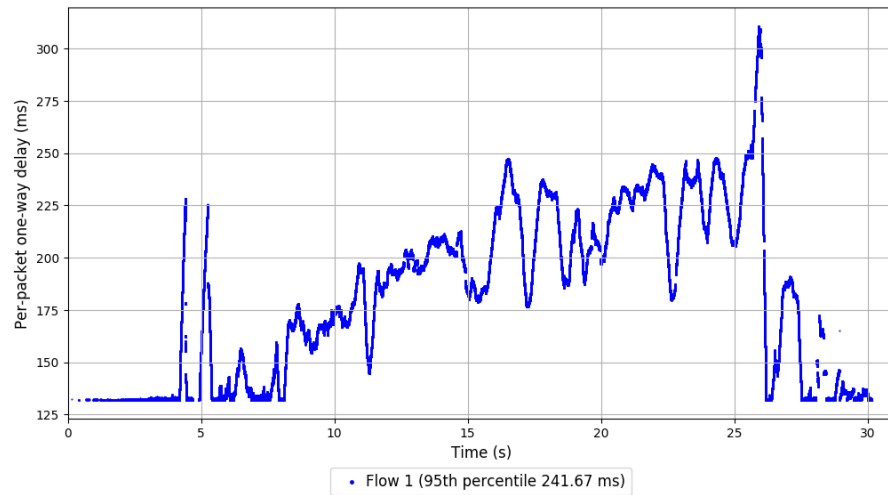
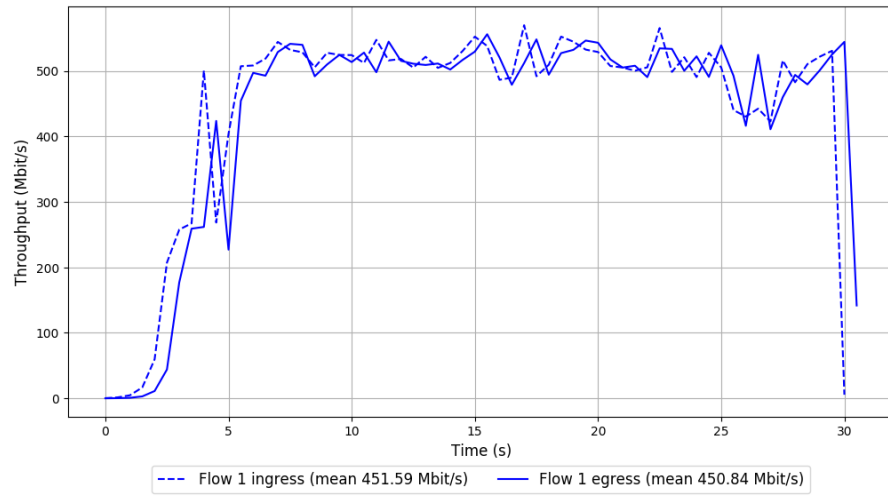


Run 4: Statistics of TCP Cubic

Start at: 2019-02-05 14:05:54
End at: 2019-02-05 14:06:24
Local clock offset: 0.351 ms
Remote clock offset: -0.024 ms

Below is generated by plot.py at 2019-02-05 15:31:00
Datalink statistics
-- Total of 1 flow:
Average throughput: 450.84 Mbit/s
95th percentile per-packet one-way delay: 241.667 ms
Loss rate: 0.17%
-- Flow 1:
Average throughput: 450.84 Mbit/s
95th percentile per-packet one-way delay: 241.667 ms
Loss rate: 0.17%

Run 4: Report of TCP Cubic — Data Link



Run 5: Statistics of TCP Cubic

Start at: 2019-02-05 14:37:47

End at: 2019-02-05 14:38:17

Local clock offset: -0.28 ms

Remote clock offset: 0.194 ms

Below is generated by plot.py at 2019-02-05 15:31:05

Datalink statistics

-- Total of 1 flow:

Average throughput: 453.08 Mbit/s

95th percentile per-packet one-way delay: 228.899 ms

Loss rate: 0.54%

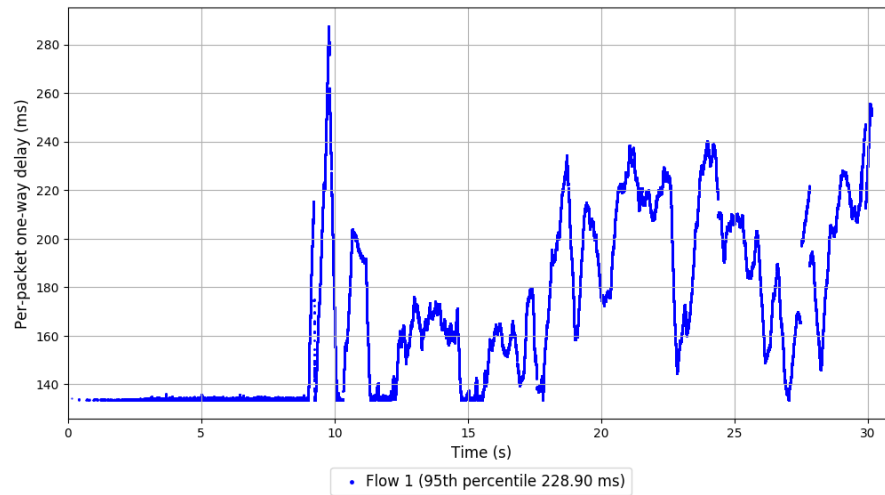
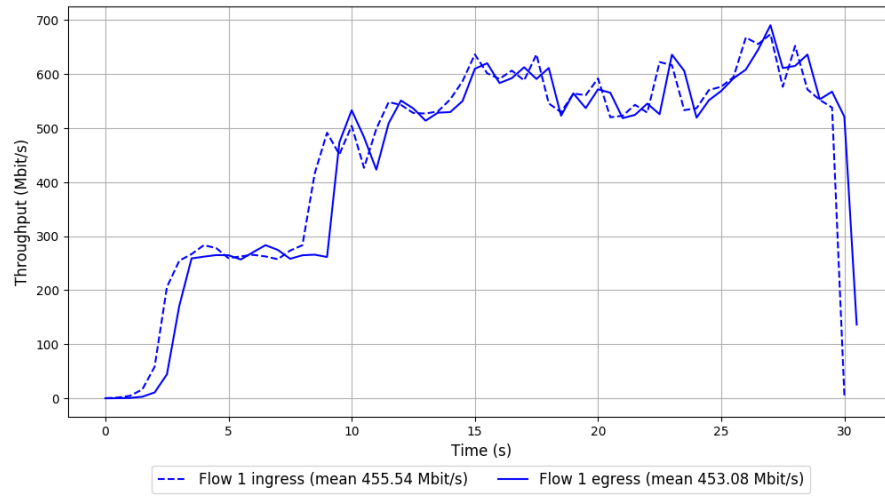
-- Flow 1:

Average throughput: 453.08 Mbit/s

95th percentile per-packet one-way delay: 228.899 ms

Loss rate: 0.54%

Run 5: Report of TCP Cubic — Data Link



Run 1: Statistics of FillP

Start at: 2019-02-05 12:42:55

End at: 2019-02-05 12:43:25

Local clock offset: -0.09 ms

Remote clock offset: 0.475 ms

Below is generated by plot.py at 2019-02-05 15:41:26

Datalink statistics

-- Total of 1 flow:

Average throughput: 833.17 Mbit/s

95th percentile per-packet one-way delay: 190.517 ms

Loss rate: 1.81%

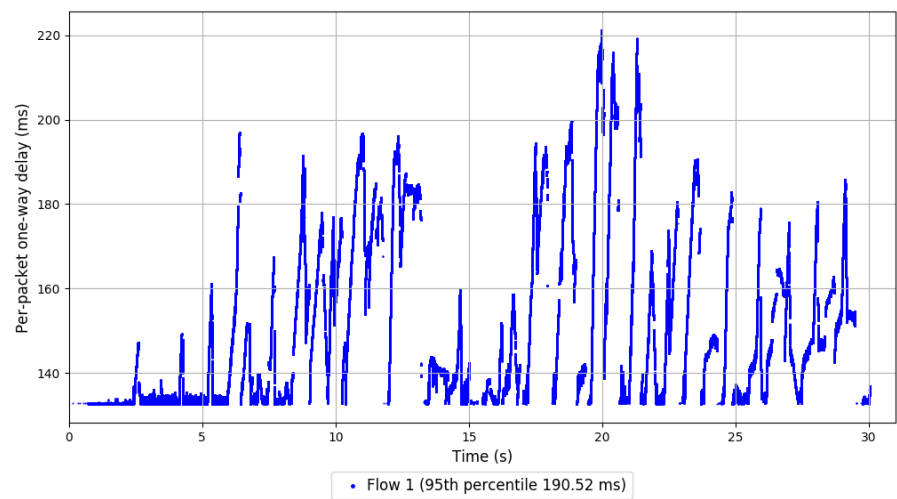
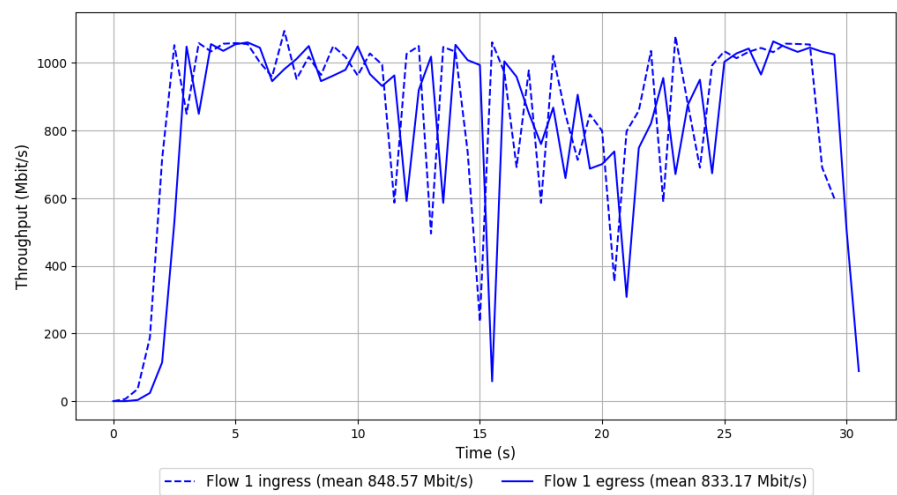
-- Flow 1:

Average throughput: 833.17 Mbit/s

95th percentile per-packet one-way delay: 190.517 ms

Loss rate: 1.81%

Run 1: Report of FillP — Data Link



Run 2: Statistics of FillP

Start at: 2019-02-05 13:15:38

End at: 2019-02-05 13:16:08

Local clock offset: -0.177 ms

Remote clock offset: 0.031 ms

Below is generated by plot.py at 2019-02-05 15:53:52

Datalink statistics

-- Total of 1 flow:

Average throughput: 876.70 Mbit/s

95th percentile per-packet one-way delay: 176.973 ms

Loss rate: 0.88%

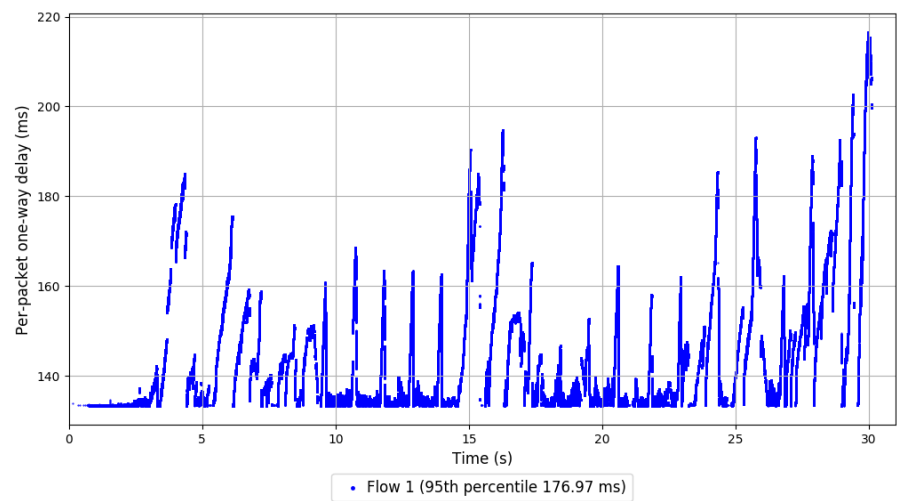
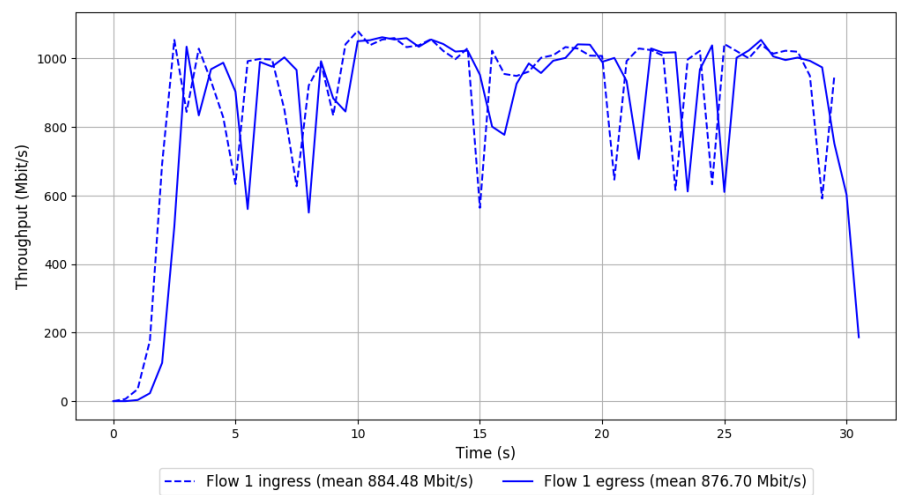
-- Flow 1:

Average throughput: 876.70 Mbit/s

95th percentile per-packet one-way delay: 176.973 ms

Loss rate: 0.88%

Run 2: Report of FillP — Data Link



Run 3: Statistics of FillP

Start at: 2019-02-05 13:47:53

End at: 2019-02-05 13:48:23

Local clock offset: 0.039 ms

Remote clock offset: 0.027 ms

Below is generated by plot.py at 2019-02-05 15:53:52

Datalink statistics

-- Total of 1 flow:

Average throughput: 827.63 Mbit/s

95th percentile per-packet one-way delay: 191.177 ms

Loss rate: 2.65%

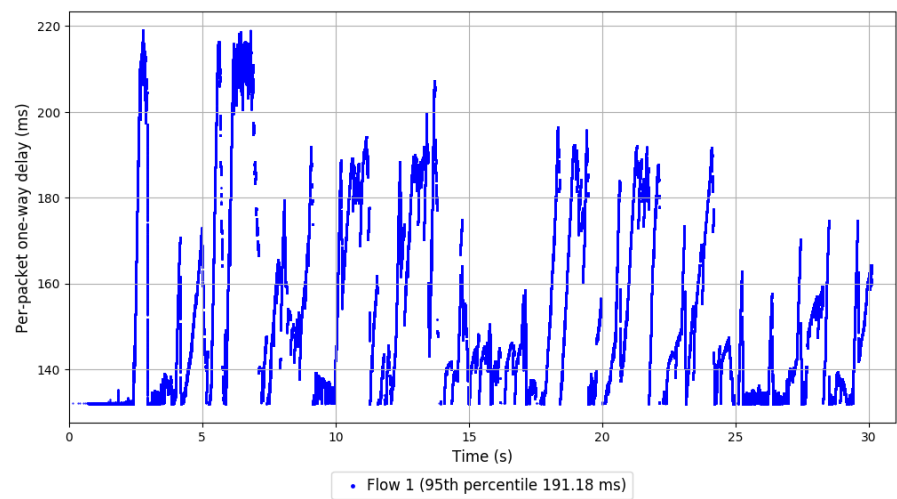
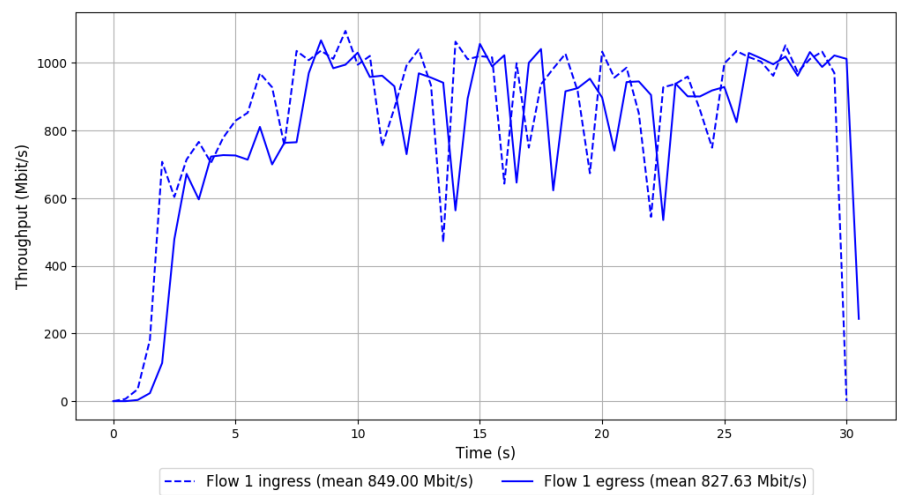
-- Flow 1:

Average throughput: 827.63 Mbit/s

95th percentile per-packet one-way delay: 191.177 ms

Loss rate: 2.65%

Run 3: Report of FillP — Data Link

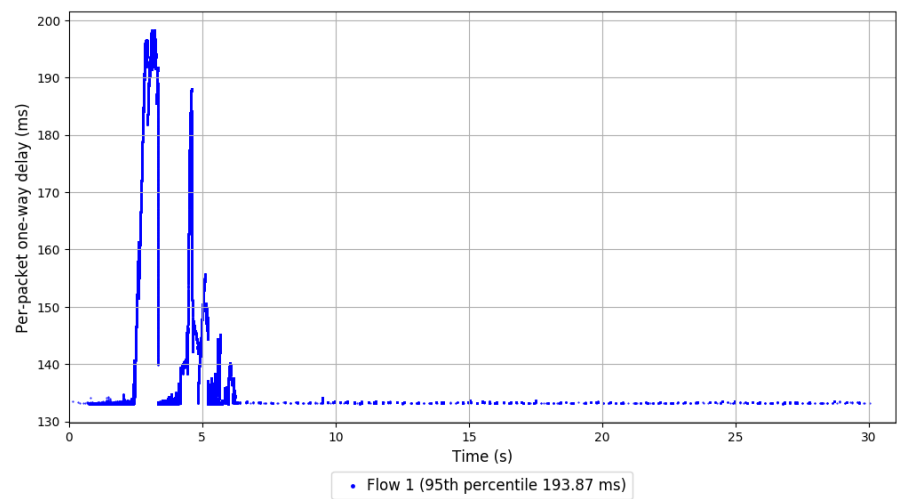
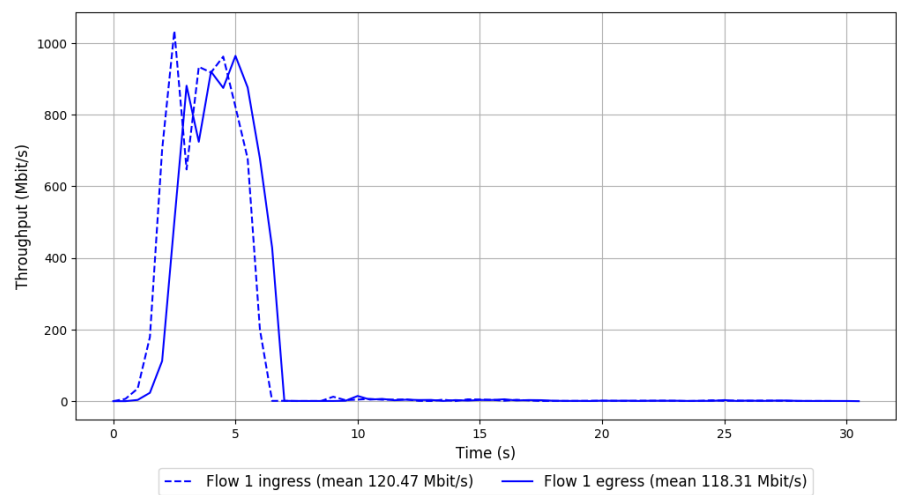


Run 4: Statistics of FillP

Start at: 2019-02-05 14:19:51
End at: 2019-02-05 14:20:21
Local clock offset: -0.093 ms
Remote clock offset: -0.053 ms

Below is generated by plot.py at 2019-02-05 15:53:52
Datalink statistics
-- Total of 1 flow:
Average throughput: 118.31 Mbit/s
95th percentile per-packet one-way delay: 193.867 ms
Loss rate: 1.79%
-- Flow 1:
Average throughput: 118.31 Mbit/s
95th percentile per-packet one-way delay: 193.867 ms
Loss rate: 1.79%

Run 4: Report of FillP — Data Link



Run 5: Statistics of FillP

Start at: 2019-02-05 14:51:37

End at: 2019-02-05 14:52:07

Local clock offset: 0.441 ms

Remote clock offset: 0.048 ms

Below is generated by plot.py at 2019-02-05 15:53:52

Datalink statistics

-- Total of 1 flow:

Average throughput: 815.80 Mbit/s

95th percentile per-packet one-way delay: 188.068 ms

Loss rate: 1.44%

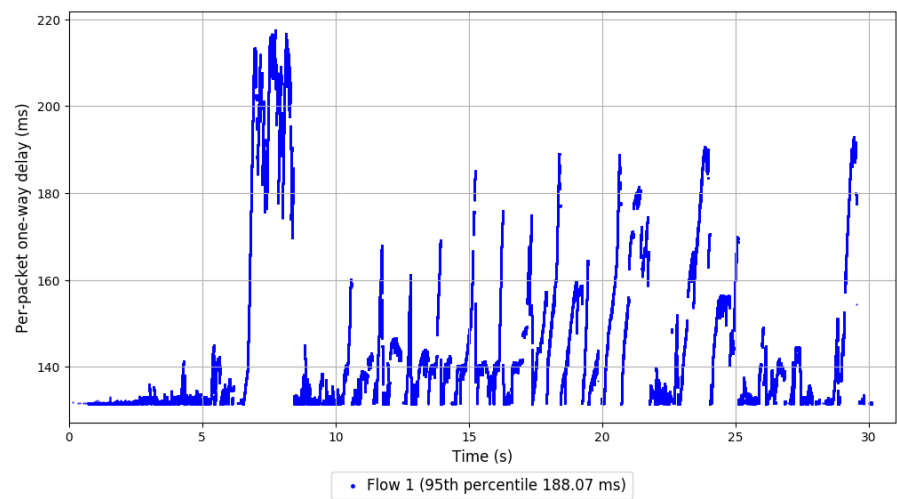
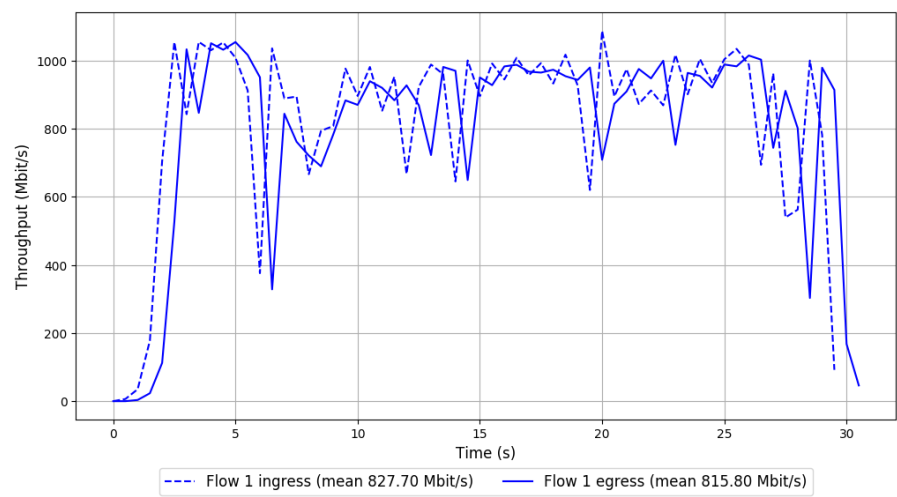
-- Flow 1:

Average throughput: 815.80 Mbit/s

95th percentile per-packet one-way delay: 188.068 ms

Loss rate: 1.44%

Run 5: Report of FillP — Data Link



Run 1: Statistics of FillP-Sheep

Start at: 2019-02-05 12:44:45

End at: 2019-02-05 12:45:15

Local clock offset: 0.1 ms

Remote clock offset: 0.093 ms

Below is generated by plot.py at 2019-02-05 15:54:30

Datalink statistics

-- Total of 1 flow:

Average throughput: 856.41 Mbit/s

95th percentile per-packet one-way delay: 183.997 ms

Loss rate: 0.45%

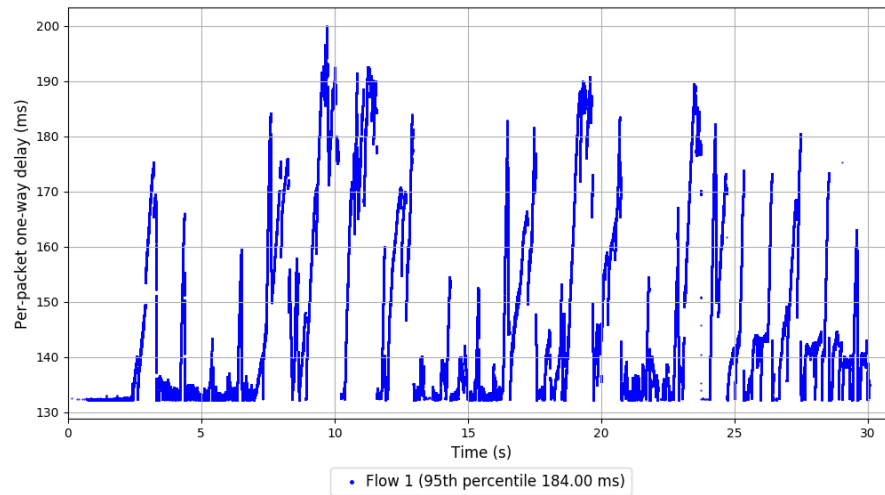
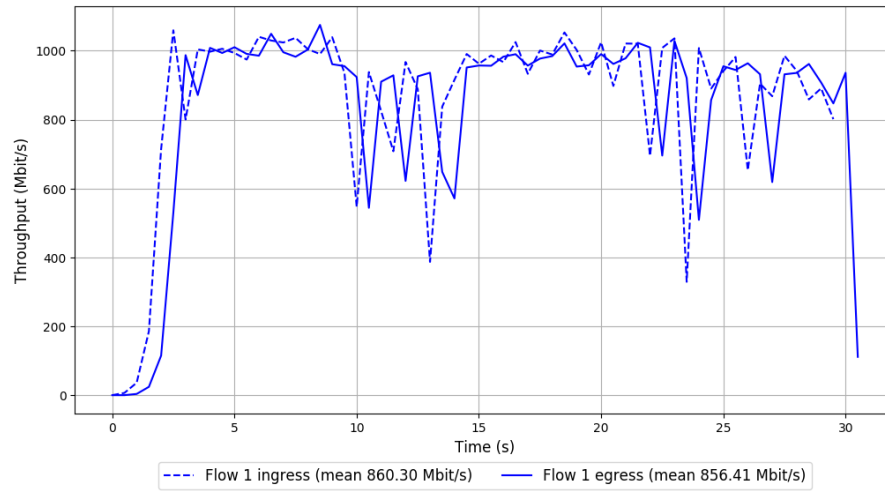
-- Flow 1:

Average throughput: 856.41 Mbit/s

95th percentile per-packet one-way delay: 183.997 ms

Loss rate: 0.45%

Run 1: Report of FillP-Sheep — Data Link



Run 2: Statistics of FillP-Sheep

Start at: 2019-02-05 13:17:29

End at: 2019-02-05 13:17:59

Local clock offset: 0.078 ms

Remote clock offset: 0.044 ms

Below is generated by plot.py at 2019-02-05 15:54:30

Datalink statistics

-- Total of 1 flow:

Average throughput: 801.36 Mbit/s

95th percentile per-packet one-way delay: 174.948 ms

Loss rate: 0.94%

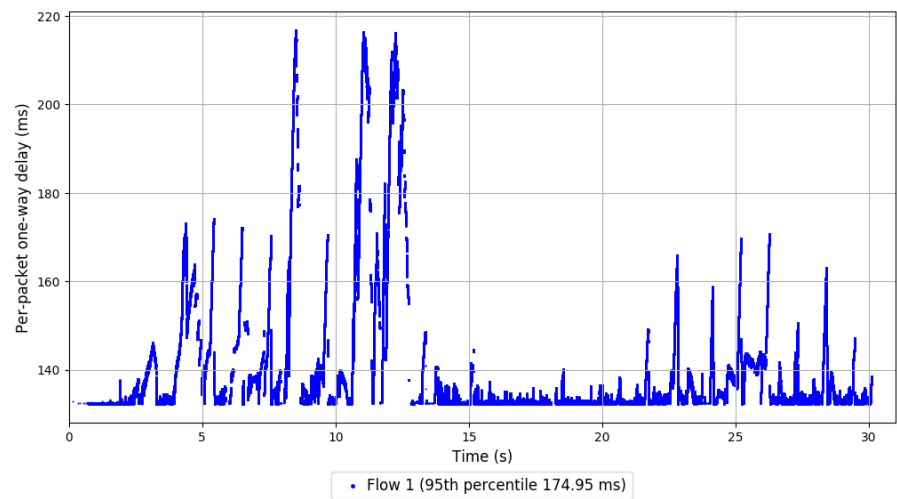
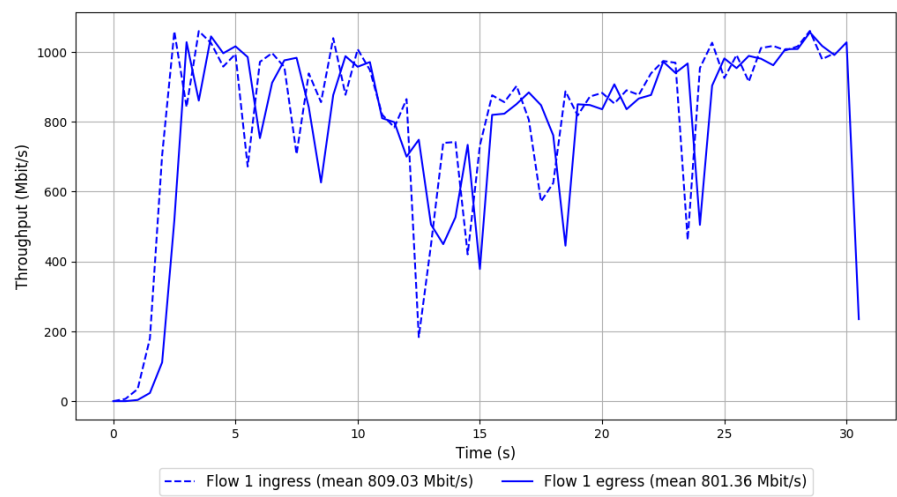
-- Flow 1:

Average throughput: 801.36 Mbit/s

95th percentile per-packet one-way delay: 174.948 ms

Loss rate: 0.94%

Run 2: Report of FillP-Sheep — Data Link



Run 3: Statistics of FillP-Sheep

Start at: 2019-02-05 13:49:43

End at: 2019-02-05 13:50:13

Local clock offset: -0.434 ms

Remote clock offset: 0.067 ms

Below is generated by plot.py at 2019-02-05 15:54:30

Datalink statistics

-- Total of 1 flow:

Average throughput: 339.37 Mbit/s

95th percentile per-packet one-way delay: 182.999 ms

Loss rate: 0.96%

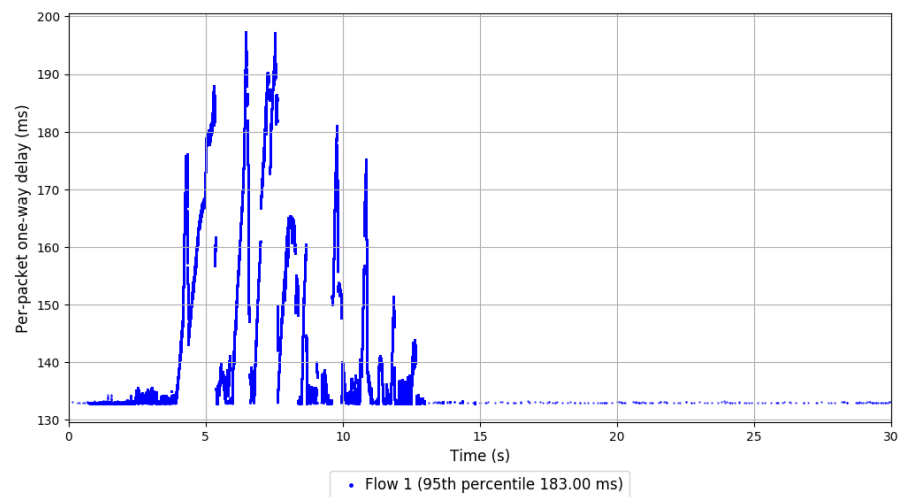
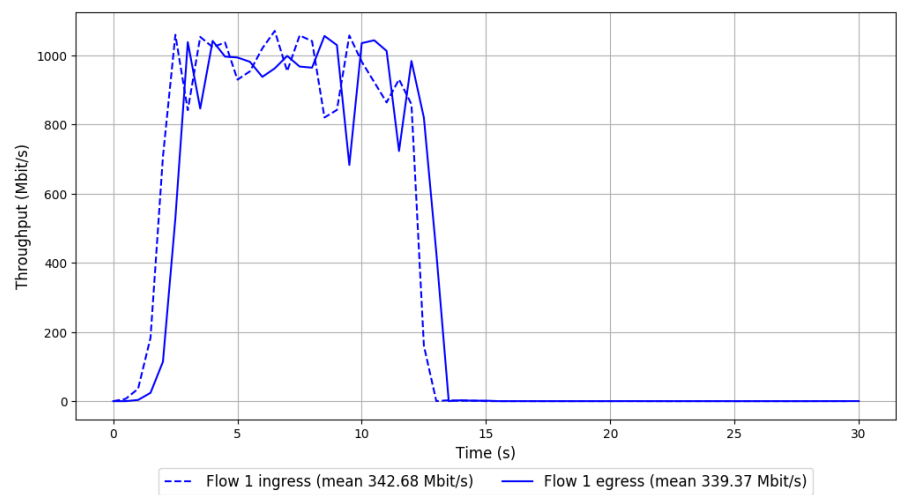
-- Flow 1:

Average throughput: 339.37 Mbit/s

95th percentile per-packet one-way delay: 182.999 ms

Loss rate: 0.96%

Run 3: Report of FillP-Sheep — Data Link

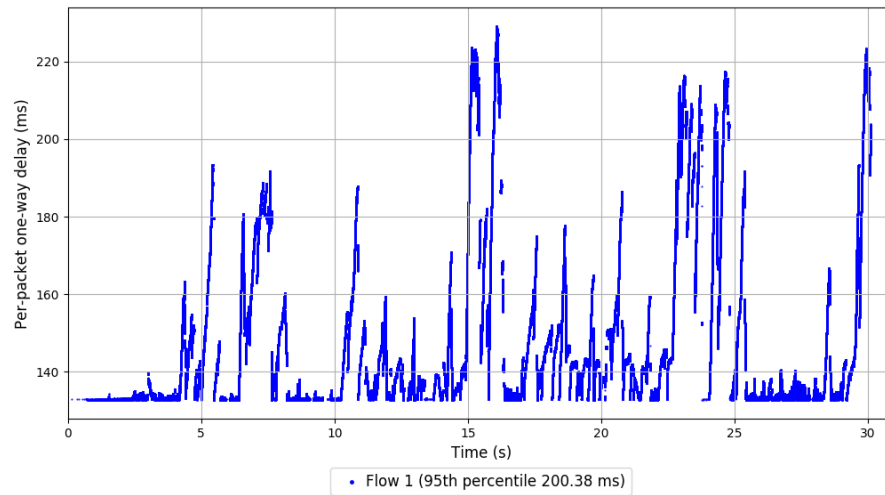
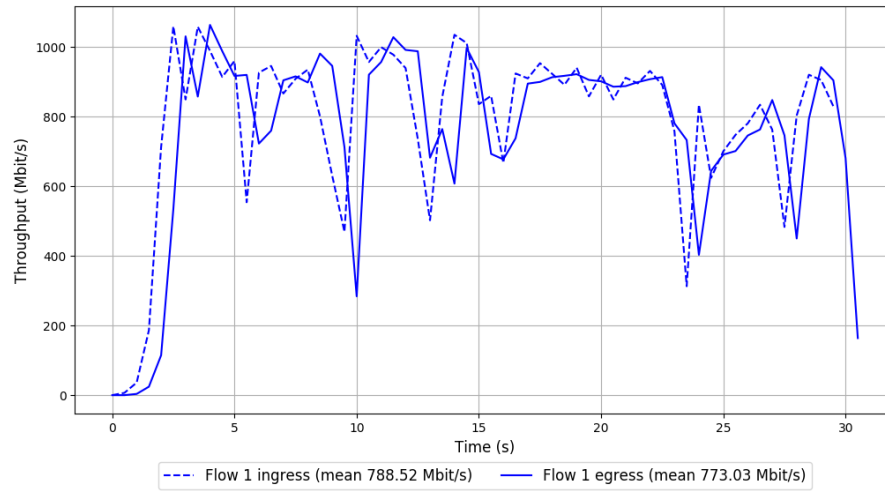


Run 4: Statistics of FillP-Sheep

Start at: 2019-02-05 14:21:08
End at: 2019-02-05 14:21:38
Local clock offset: -0.374 ms
Remote clock offset: -0.023 ms

Below is generated by plot.py at 2019-02-05 15:54:30
Datalink statistics
-- Total of 1 flow:
Average throughput: 773.03 Mbit/s
95th percentile per-packet one-way delay: 200.380 ms
Loss rate: 1.96%
-- Flow 1:
Average throughput: 773.03 Mbit/s
95th percentile per-packet one-way delay: 200.380 ms
Loss rate: 1.96%

Run 4: Report of FillP-Sheep — Data Link



Run 5: Statistics of FillP-Sheep

Start at: 2019-02-05 14:53:27

End at: 2019-02-05 14:53:57

Local clock offset: -0.033 ms

Remote clock offset: 0.024 ms

Below is generated by plot.py at 2019-02-05 16:03:05

Datalink statistics

-- Total of 1 flow:

Average throughput: 809.49 Mbit/s

95th percentile per-packet one-way delay: 193.832 ms

Loss rate: 2.04%

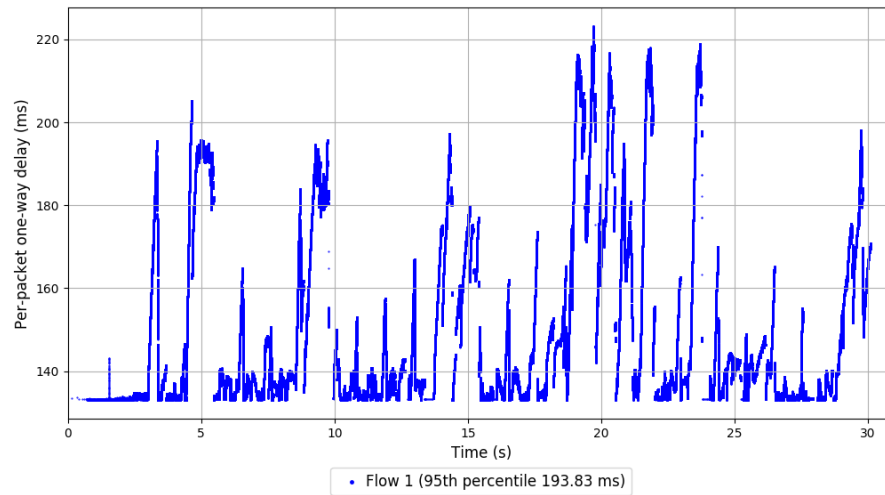
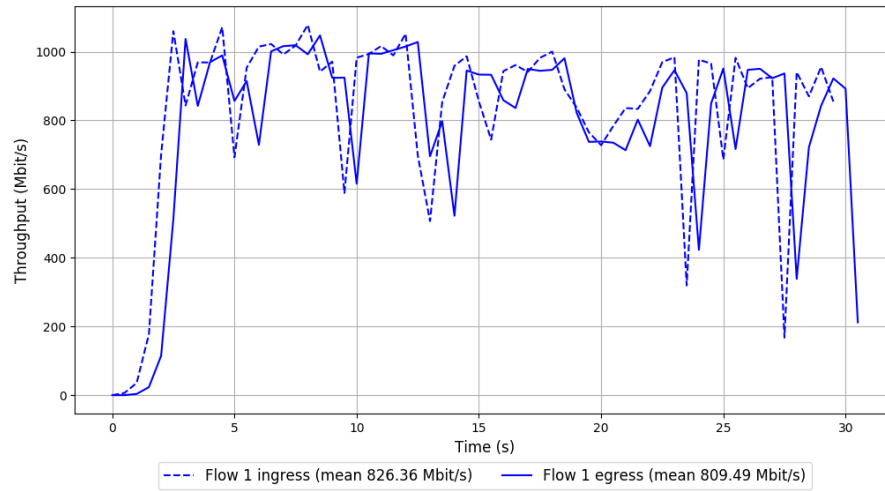
-- Flow 1:

Average throughput: 809.49 Mbit/s

95th percentile per-packet one-way delay: 193.832 ms

Loss rate: 2.04%

Run 5: Report of FillP-Sheep — Data Link

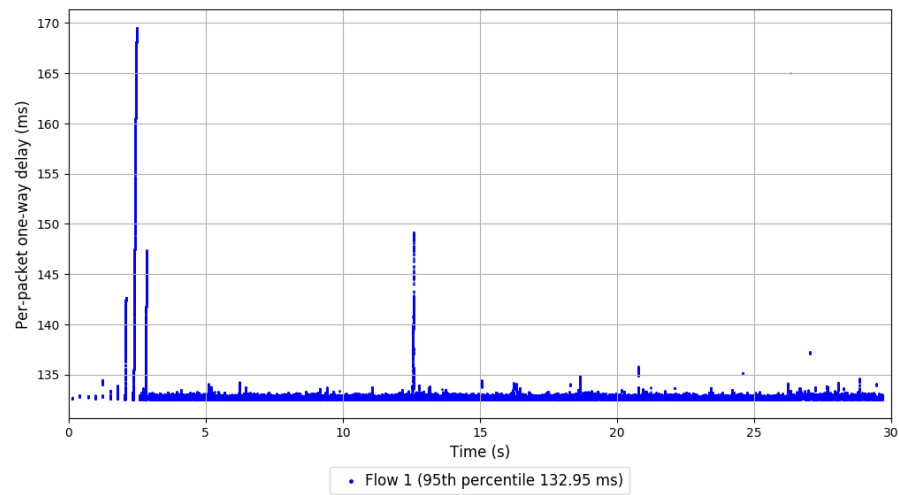
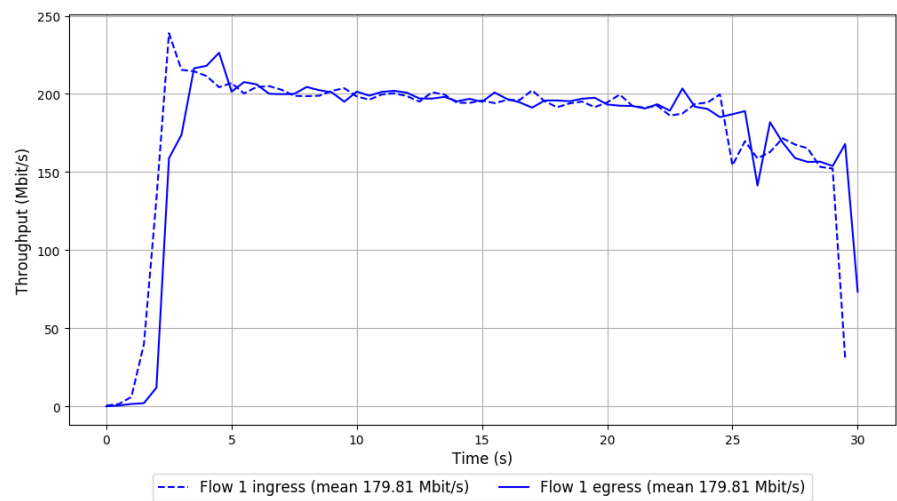


```
Run 1: Statistics of Indigo

Start at: 2019-02-05 12:33:56
End at: 2019-02-05 12:34:26
Local clock offset: -0.235 ms
Remote clock offset: 0.131 ms

# Below is generated by plot.py at 2019-02-05 16:03:05
# Datalink statistics
-- Total of 1 flow:
Average throughput: 179.81 Mbit/s
95th percentile per-packet one-way delay: 132.951 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 179.81 Mbit/s
95th percentile per-packet one-way delay: 132.951 ms
Loss rate: 0.00%
```

Run 1: Report of Indigo — Data Link



Run 2: Statistics of Indigo

Start at: 2019-02-05 13:06:43

End at: 2019-02-05 13:07:13

Local clock offset: 0.658 ms

Remote clock offset: 0.431 ms

Below is generated by plot.py at 2019-02-05 16:03:05

Datalink statistics

-- Total of 1 flow:

Average throughput: 183.17 Mbit/s

95th percentile per-packet one-way delay: 132.990 ms

Loss rate: 0.00%

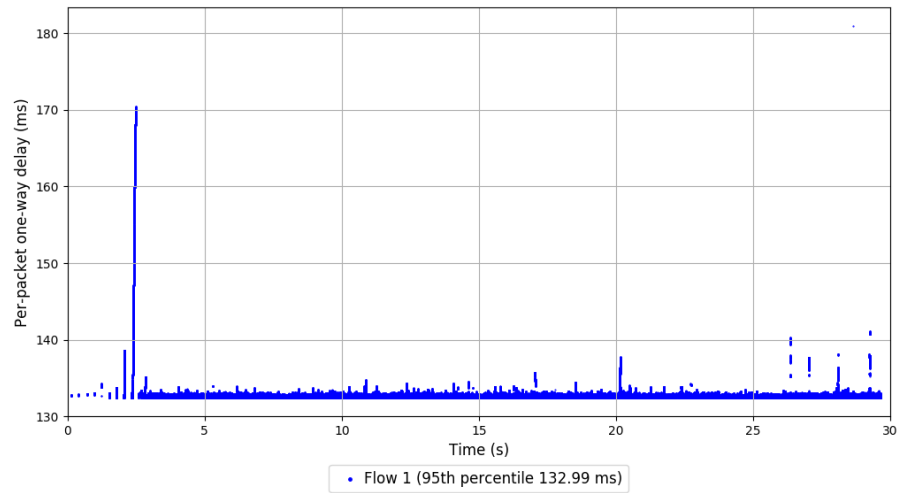
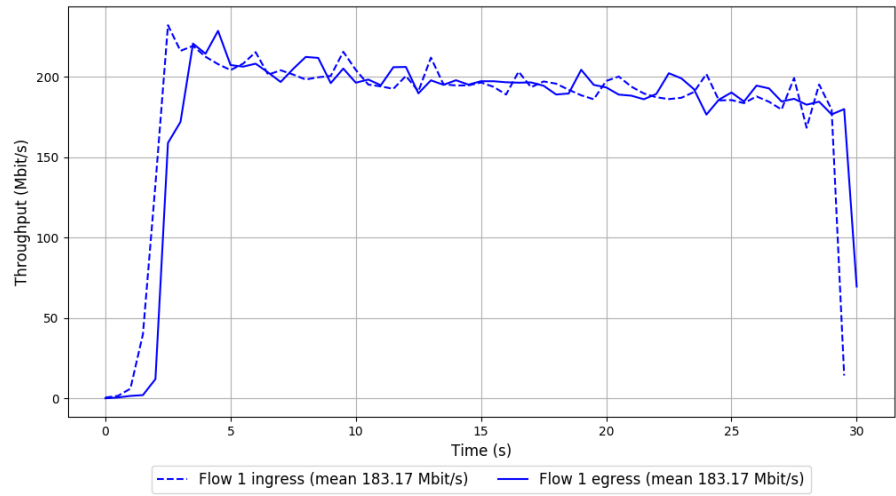
-- Flow 1:

Average throughput: 183.17 Mbit/s

95th percentile per-packet one-way delay: 132.990 ms

Loss rate: 0.00%

Run 2: Report of Indigo — Data Link



Run 3: Statistics of Indigo

Start at: 2019-02-05 13:38:54

End at: 2019-02-05 13:39:24

Local clock offset: 0.016 ms

Remote clock offset: 0.262 ms

Below is generated by plot.py at 2019-02-05 16:03:05

Datalink statistics

-- Total of 1 flow:

Average throughput: 175.44 Mbit/s

95th percentile per-packet one-way delay: 133.115 ms

Loss rate: 0.00%

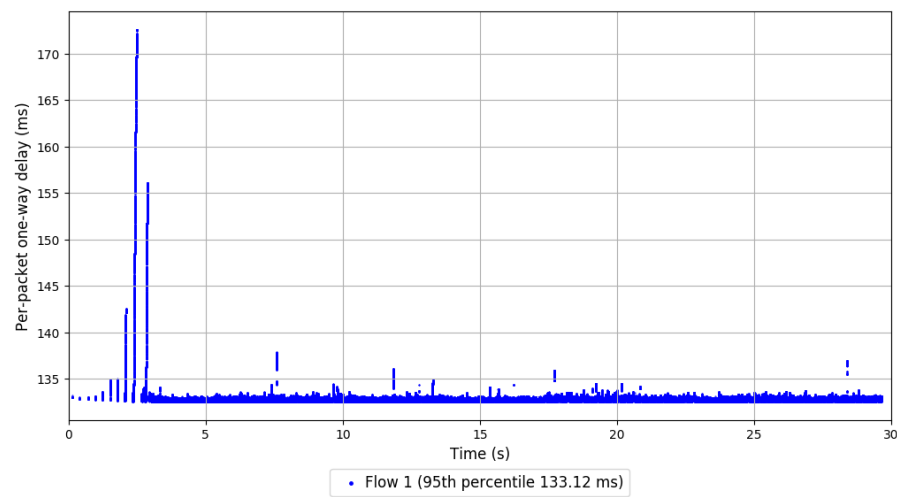
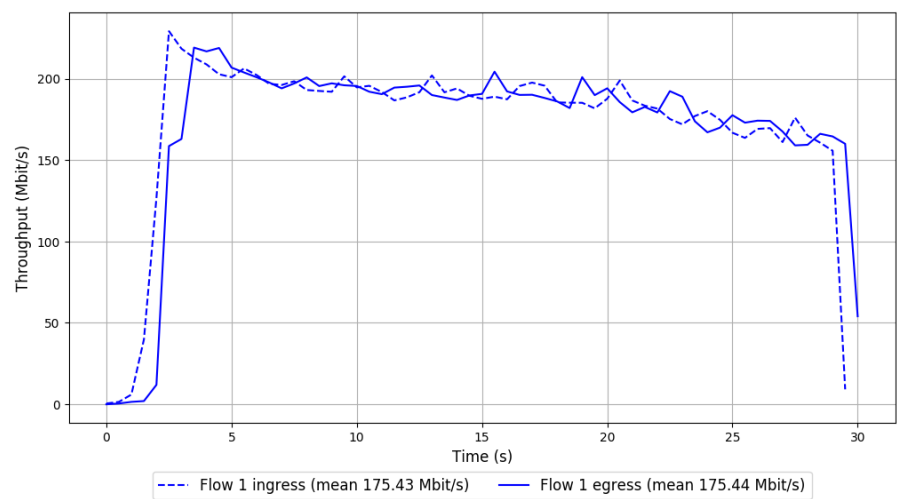
-- Flow 1:

Average throughput: 175.44 Mbit/s

95th percentile per-packet one-way delay: 133.115 ms

Loss rate: 0.00%

Run 3: Report of Indigo — Data Link



Run 4: Statistics of Indigo

Start at: 2019-02-05 14:10:50

End at: 2019-02-05 14:11:20

Local clock offset: -0.291 ms

Remote clock offset: 0.021 ms

Below is generated by plot.py at 2019-02-05 16:03:05

Datalink statistics

-- Total of 1 flow:

Average throughput: 179.47 Mbit/s

95th percentile per-packet one-way delay: 133.841 ms

Loss rate: 0.00%

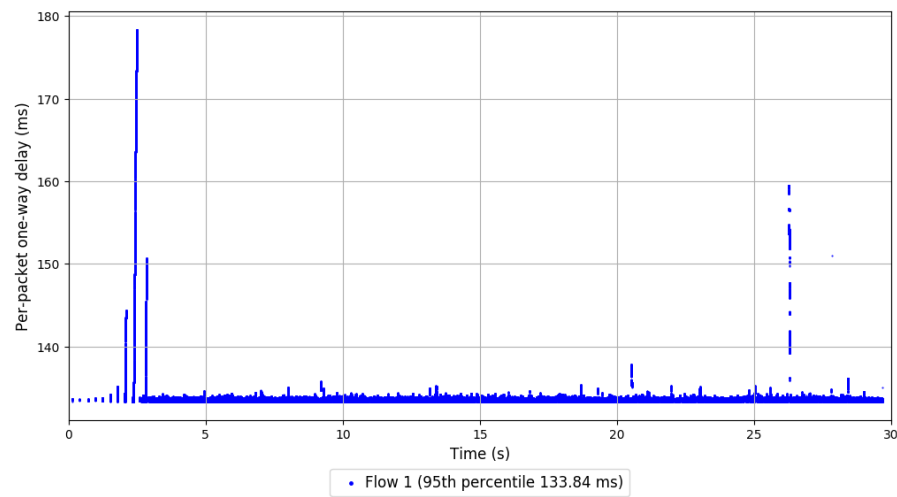
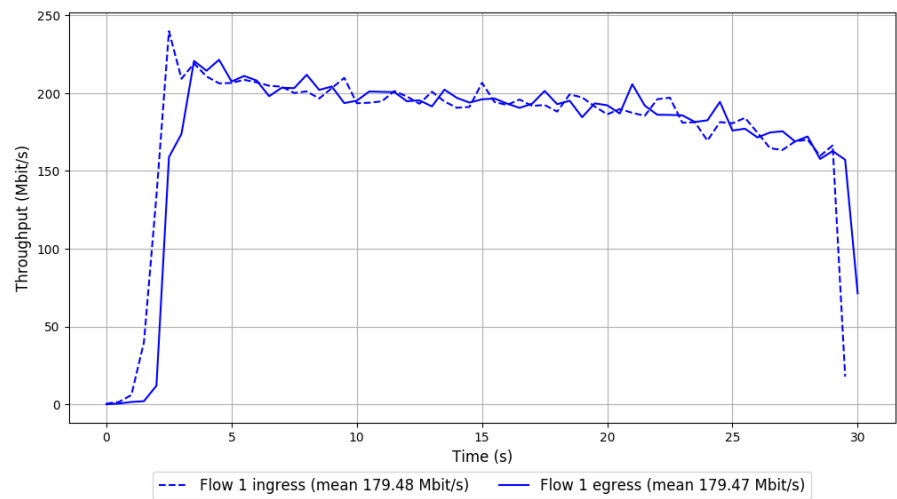
-- Flow 1:

Average throughput: 179.47 Mbit/s

95th percentile per-packet one-way delay: 133.841 ms

Loss rate: 0.00%

Run 4: Report of Indigo — Data Link



Run 5: Statistics of Indigo

Start at: 2019-02-05 14:42:38

End at: 2019-02-05 14:43:08

Local clock offset: -0.33 ms

Remote clock offset: 0.058 ms

Below is generated by plot.py at 2019-02-05 16:03:05

Datalink statistics

-- Total of 1 flow:

Average throughput: 183.56 Mbit/s

95th percentile per-packet one-way delay: 133.131 ms

Loss rate: 0.00%

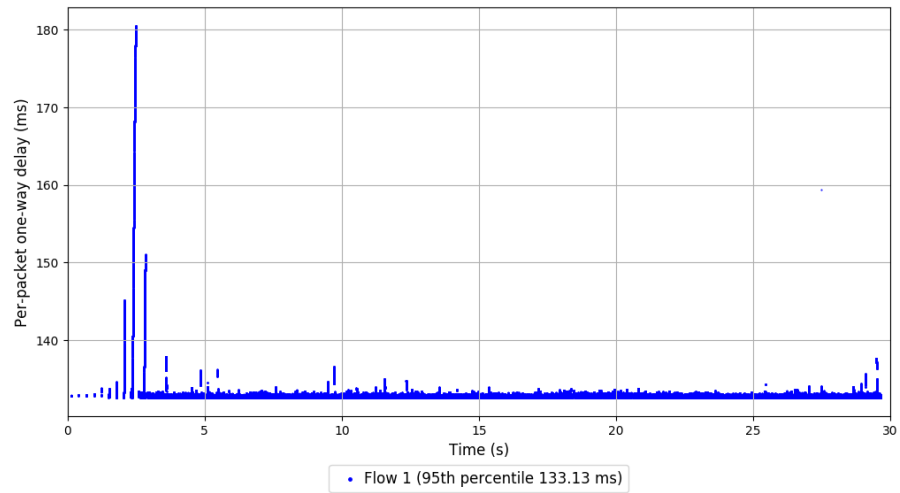
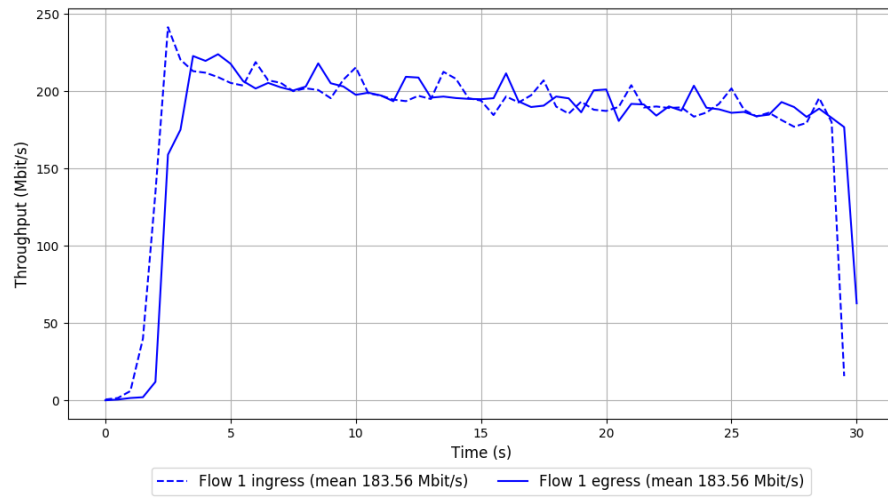
-- Flow 1:

Average throughput: 183.56 Mbit/s

95th percentile per-packet one-way delay: 133.131 ms

Loss rate: 0.00%

Run 5: Report of Indigo — Data Link



Run 1: Statistics of Indigo-MusesC3

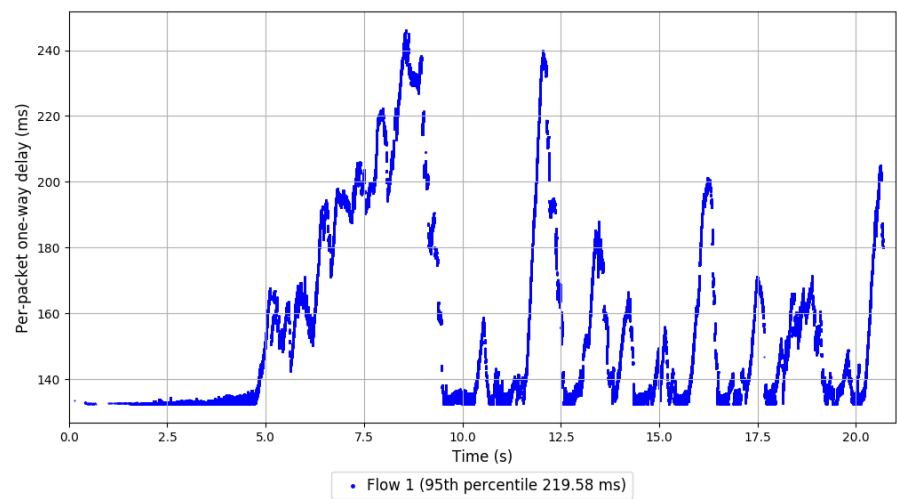
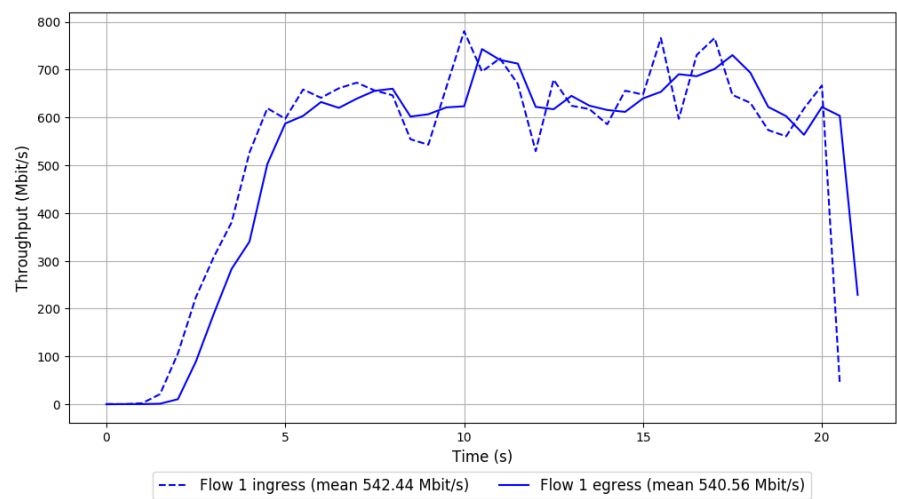
Start at: 2019-02-05 12:20:03

End at: 2019-02-05 12:20:33

Local clock offset: 0.006 ms

Remote clock offset: 0.078 ms

Run 1: Report of Indigo-MusesC3 — Data Link



Run 2: Statistics of Indigo-MusesC3

Start at: 2019-02-05 12:52:10

End at: 2019-02-05 12:52:40

Local clock offset: 0.003 ms

Remote clock offset: 0.089 ms

Below is generated by plot.py at 2019-02-05 16:07:34

Datalink statistics

-- Total of 1 flow:

Average throughput: 612.15 Mbit/s

95th percentile per-packet one-way delay: 203.829 ms

Loss rate: 0.21%

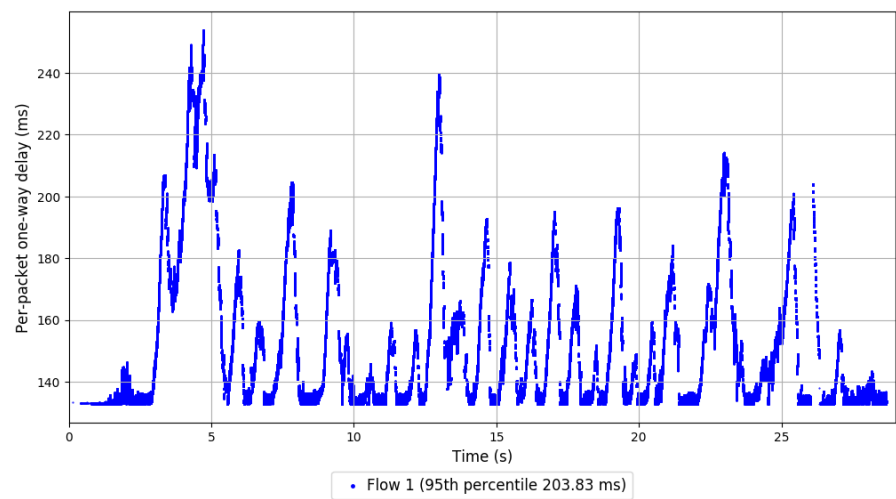
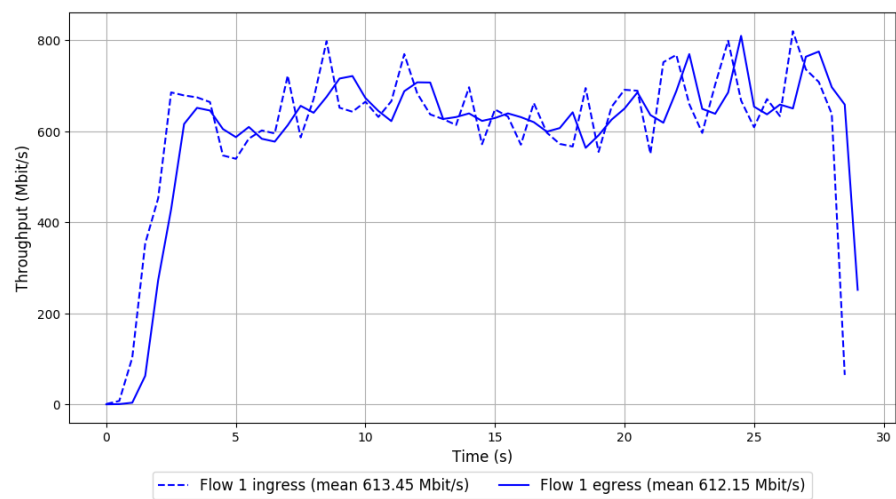
-- Flow 1:

Average throughput: 612.15 Mbit/s

95th percentile per-packet one-way delay: 203.829 ms

Loss rate: 0.21%

Run 2: Report of Indigo-MusesC3 — Data Link



Run 3: Statistics of Indigo-MusesC3

Start at: 2019-02-05 13:24:38

End at: 2019-02-05 13:25:08

Local clock offset: 0.01 ms

Remote clock offset: 0.199 ms

Below is generated by plot.py at 2019-02-05 16:07:34

Datalink statistics

-- Total of 1 flow:

Average throughput: 602.48 Mbit/s

95th percentile per-packet one-way delay: 224.123 ms

Loss rate: 0.44%

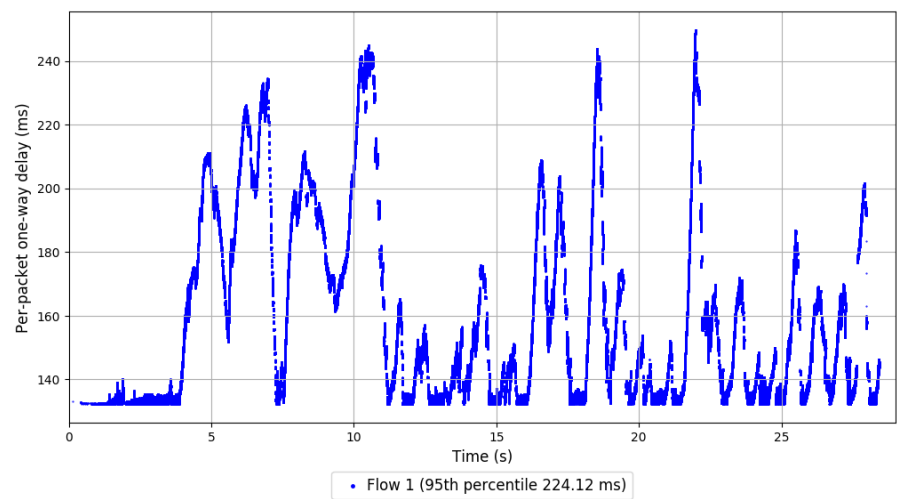
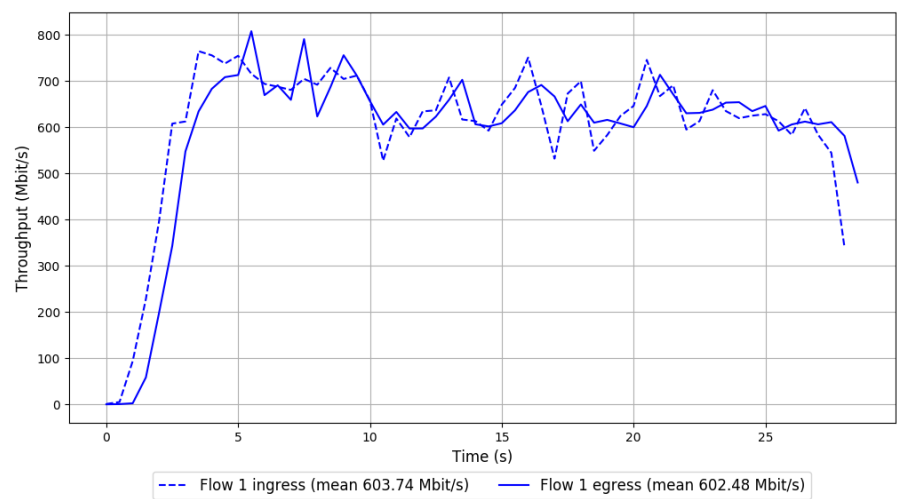
-- Flow 1:

Average throughput: 602.48 Mbit/s

95th percentile per-packet one-way delay: 224.123 ms

Loss rate: 0.44%

Run 3: Report of Indigo-MusesC3 — Data Link



Run 4: Statistics of Indigo-MusesC3

Start at: 2019-02-05 13:56:32

End at: 2019-02-05 13:57:02

Local clock offset: 0.126 ms

Remote clock offset: 0.003 ms

Below is generated by plot.py at 2019-02-05 16:14:09

Datalink statistics

-- Total of 1 flow:

Average throughput: 602.22 Mbit/s

95th percentile per-packet one-way delay: 207.130 ms

Loss rate: 0.29%

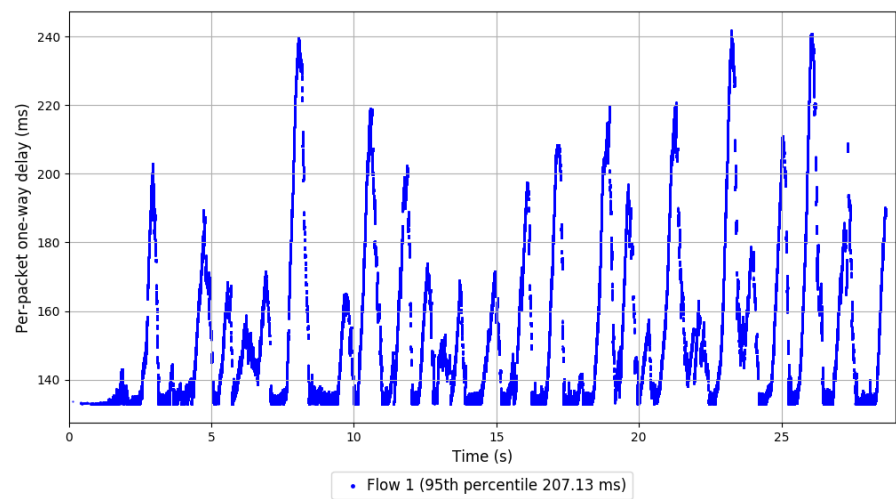
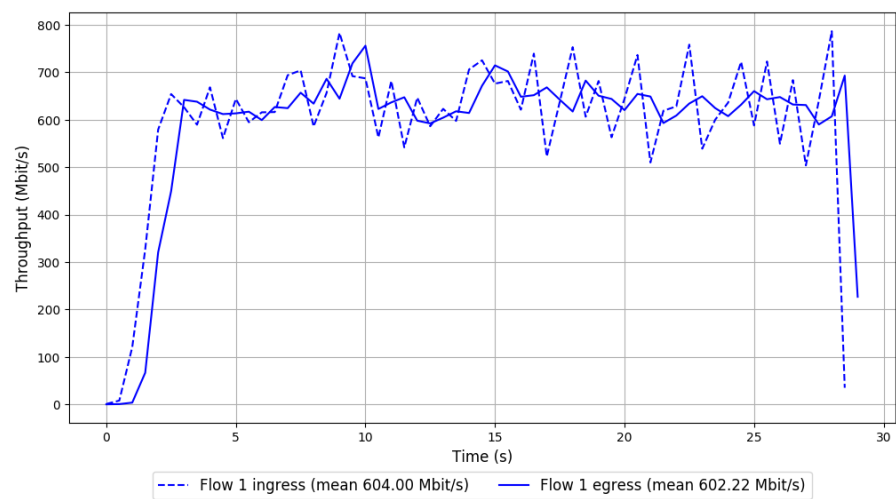
-- Flow 1:

Average throughput: 602.22 Mbit/s

95th percentile per-packet one-way delay: 207.130 ms

Loss rate: 0.29%

Run 4: Report of Indigo-MusesC3 — Data Link

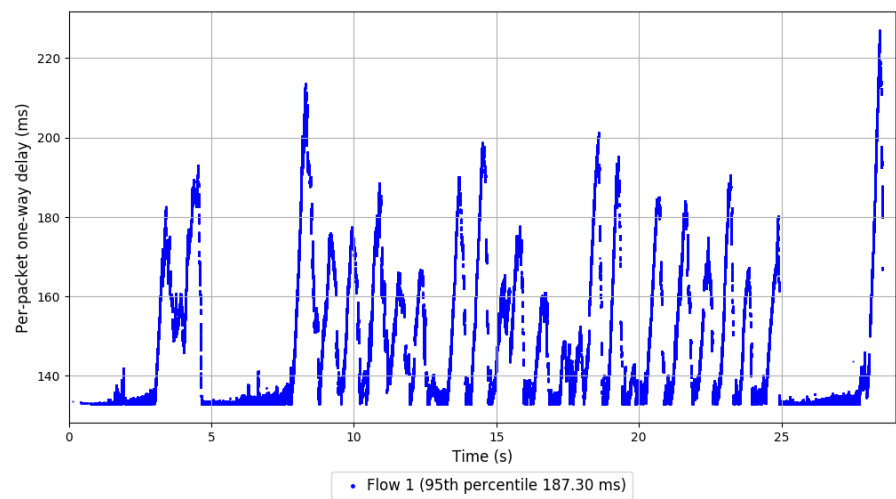
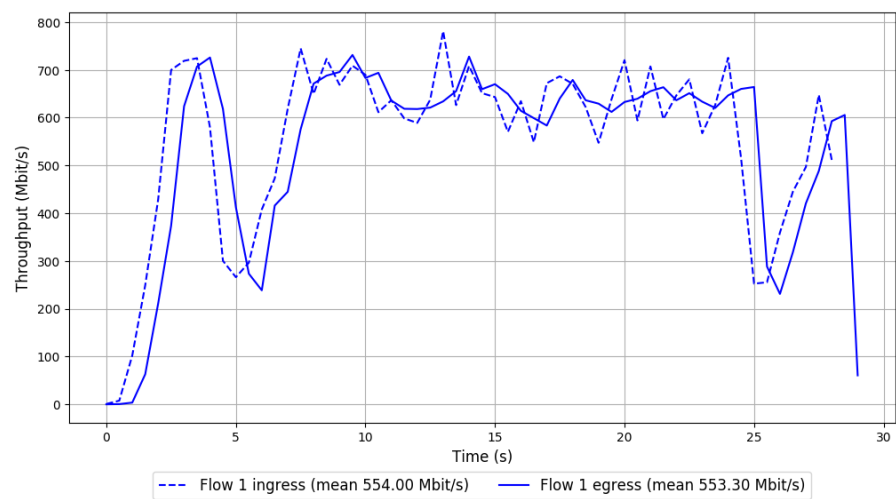


Run 5: Statistics of Indigo-MusesC3

Start at: 2019-02-05 14:28:16
End at: 2019-02-05 14:28:46
Local clock offset: 0.033 ms
Remote clock offset: -0.102 ms

Below is generated by plot.py at 2019-02-05 16:14:09
Datalink statistics
-- Total of 1 flow:
Average throughput: 553.30 Mbit/s
95th percentile per-packet one-way delay: 187.302 ms
Loss rate: 0.11%
-- Flow 1:
Average throughput: 553.30 Mbit/s
95th percentile per-packet one-way delay: 187.302 ms
Loss rate: 0.11%

Run 5: Report of Indigo-MusesC3 — Data Link



Run 1: Statistics of Indigo-MusesC5

Start at: 2019-02-05 12:41:14

End at: 2019-02-05 12:41:44

Local clock offset: -0.29 ms

Remote clock offset: 0.122 ms

Below is generated by plot.py at 2019-02-05 16:14:09

Datalink statistics

-- Total of 1 flow:

Average throughput: 571.26 Mbit/s

95th percentile per-packet one-way delay: 219.891 ms

Loss rate: 0.78%

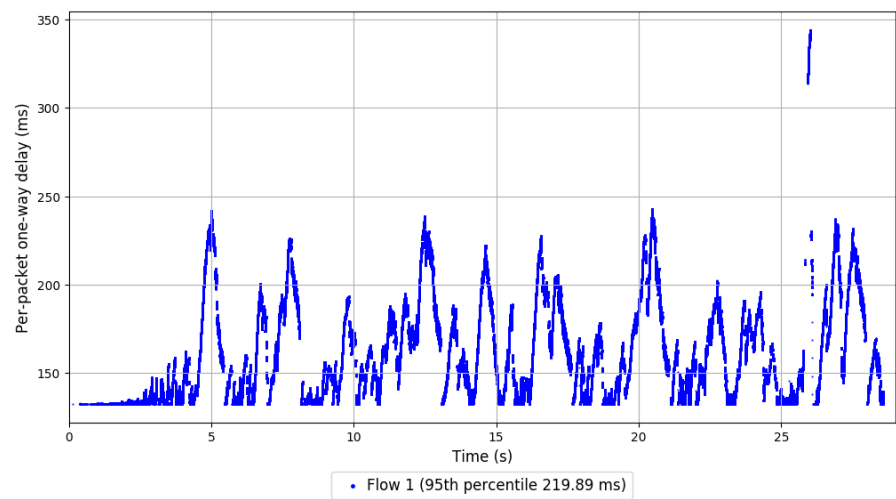
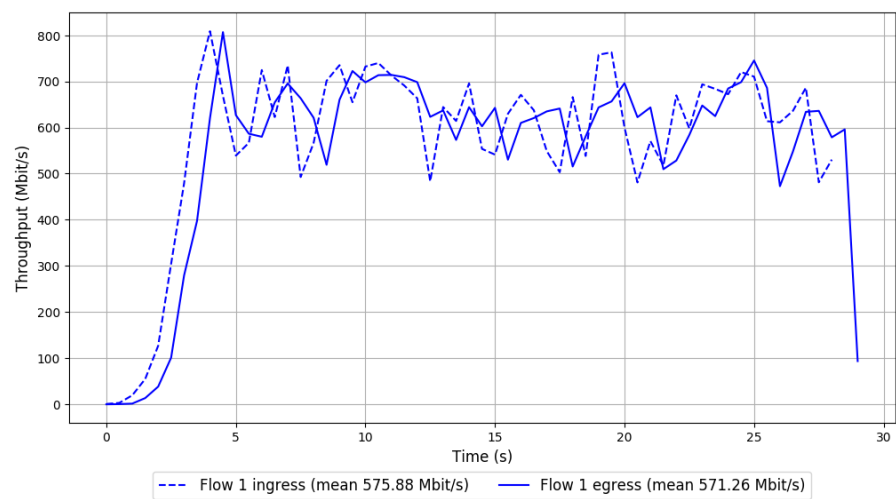
-- Flow 1:

Average throughput: 571.26 Mbit/s

95th percentile per-packet one-way delay: 219.891 ms

Loss rate: 0.78%

Run 1: Report of Indigo-MusesC5 — Data Link



Run 2: Statistics of Indigo-MusesC5

Start at: 2019-02-05 13:14:00

End at: 2019-02-05 13:14:30

Local clock offset: -0.168 ms

Remote clock offset: 0.077 ms

Below is generated by plot.py at 2019-02-05 16:14:09

Datalink statistics

-- Total of 1 flow:

Average throughput: 518.04 Mbit/s

95th percentile per-packet one-way delay: 233.554 ms

Loss rate: 0.41%

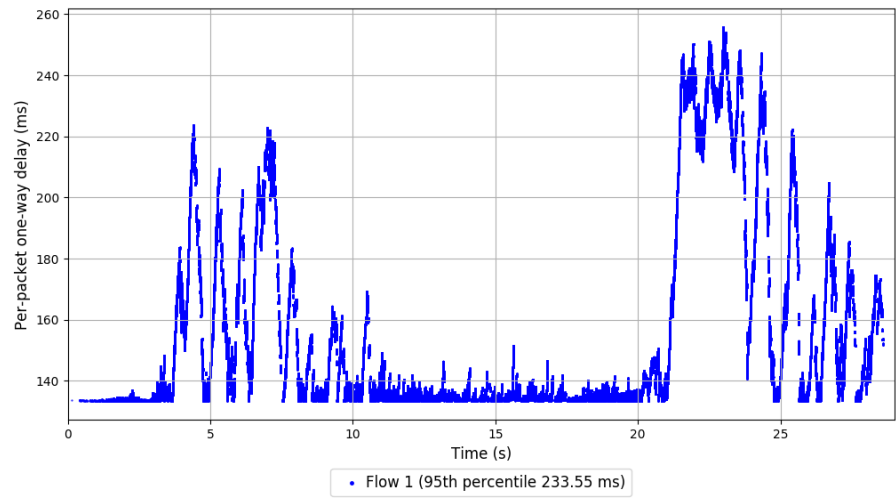
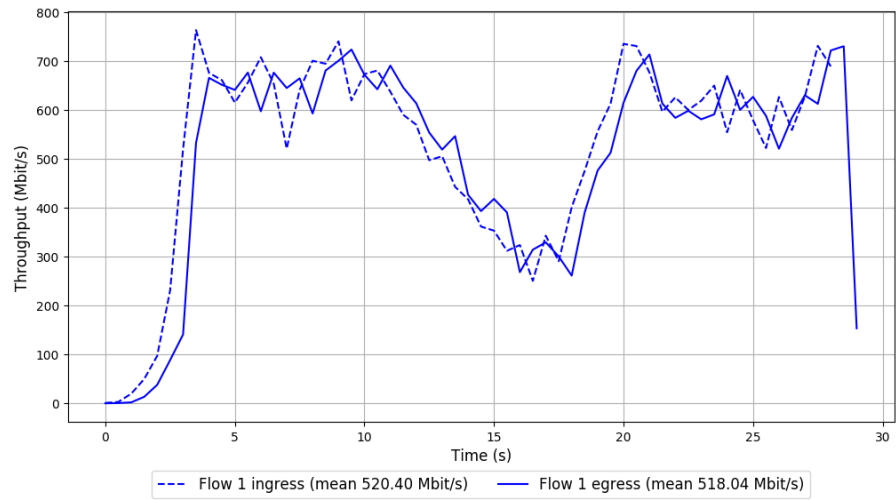
-- Flow 1:

Average throughput: 518.04 Mbit/s

95th percentile per-packet one-way delay: 233.554 ms

Loss rate: 0.41%

Run 2: Report of Indigo-MusesC5 — Data Link



Run 3: Statistics of Indigo-MusesC5

Start at: 2019-02-05 13:46:12

End at: 2019-02-05 13:46:42

Local clock offset: 0.385 ms

Remote clock offset: 0.061 ms

Below is generated by plot.py at 2019-02-05 16:15:35

Datalink statistics

-- Total of 1 flow:

Average throughput: 560.93 Mbit/s

95th percentile per-packet one-way delay: 216.536 ms

Loss rate: 0.70%

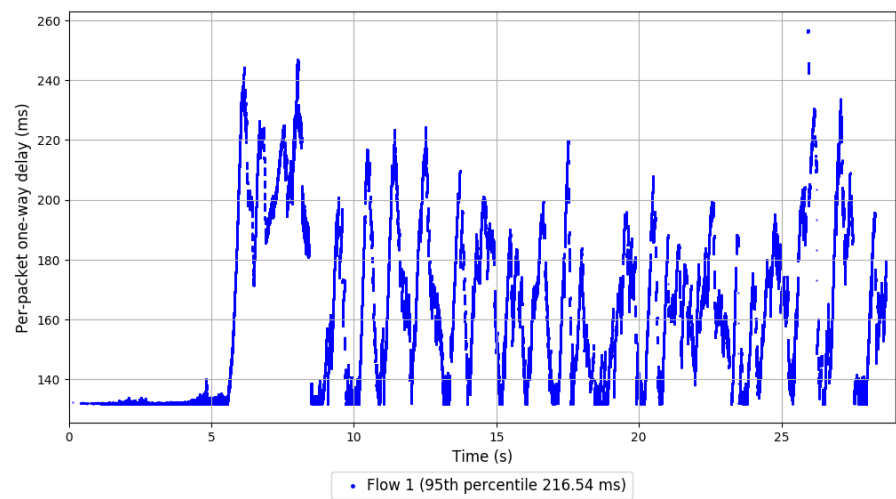
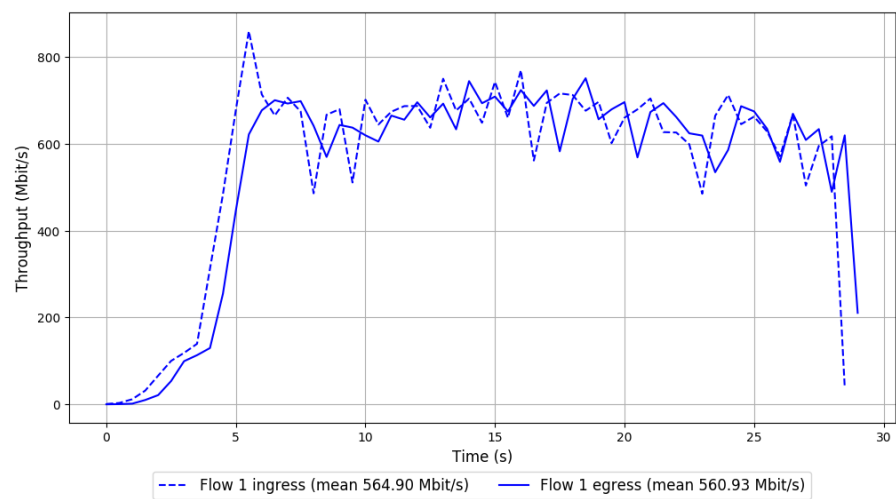
-- Flow 1:

Average throughput: 560.93 Mbit/s

95th percentile per-packet one-way delay: 216.536 ms

Loss rate: 0.70%

Run 3: Report of Indigo-MusesC5 — Data Link

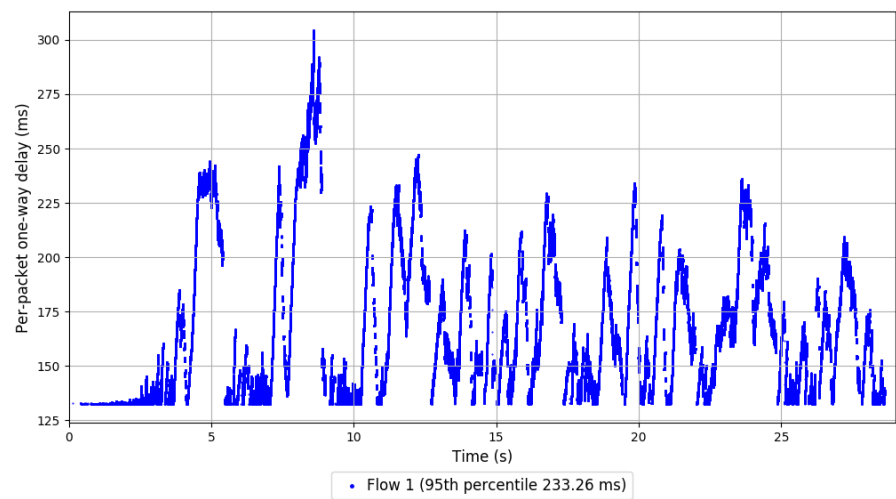
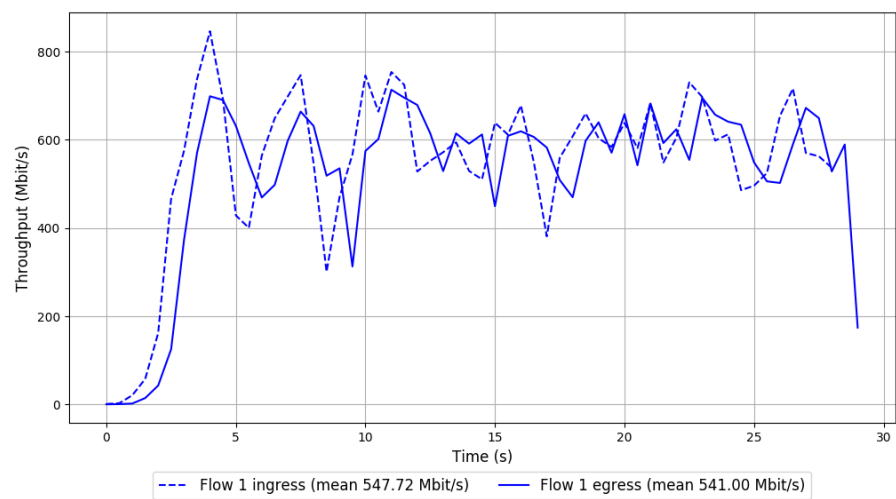


Run 4: Statistics of Indigo-MusesC5

Start at: 2019-02-05 14:18:11
End at: 2019-02-05 14:18:41
Local clock offset: -0.121 ms
Remote clock offset: -0.084 ms

Below is generated by plot.py at 2019-02-05 16:15:49
Datalink statistics
-- Total of 1 flow:
Average throughput: 541.00 Mbit/s
95th percentile per-packet one-way delay: 233.263 ms
Loss rate: 1.21%
-- Flow 1:
Average throughput: 541.00 Mbit/s
95th percentile per-packet one-way delay: 233.263 ms
Loss rate: 1.21%

Run 4: Report of Indigo-MusesC5 — Data Link



Run 5: Statistics of Indigo-MusesC5

Start at: 2019-02-05 14:49:58

End at: 2019-02-05 14:50:28

Local clock offset: -0.255 ms

Remote clock offset: 0.079 ms

Below is generated by plot.py at 2019-02-05 16:19:29

Datalink statistics

-- Total of 1 flow:

Average throughput: 511.80 Mbit/s

95th percentile per-packet one-way delay: 231.049 ms

Loss rate: 0.97%

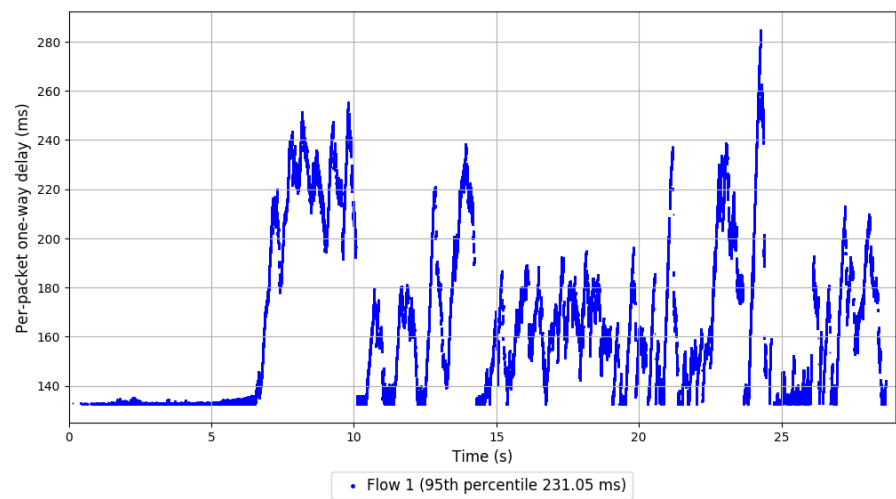
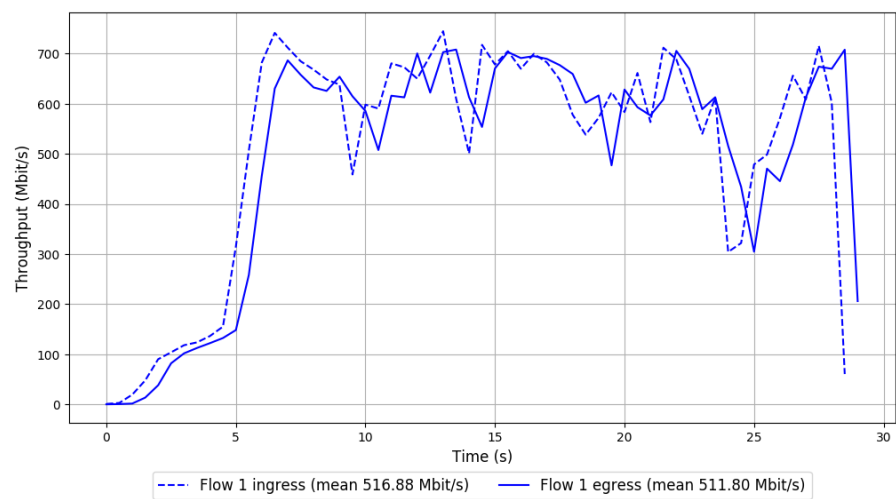
-- Flow 1:

Average throughput: 511.80 Mbit/s

95th percentile per-packet one-way delay: 231.049 ms

Loss rate: 0.97%

Run 5: Report of Indigo-MusesC5 — Data Link

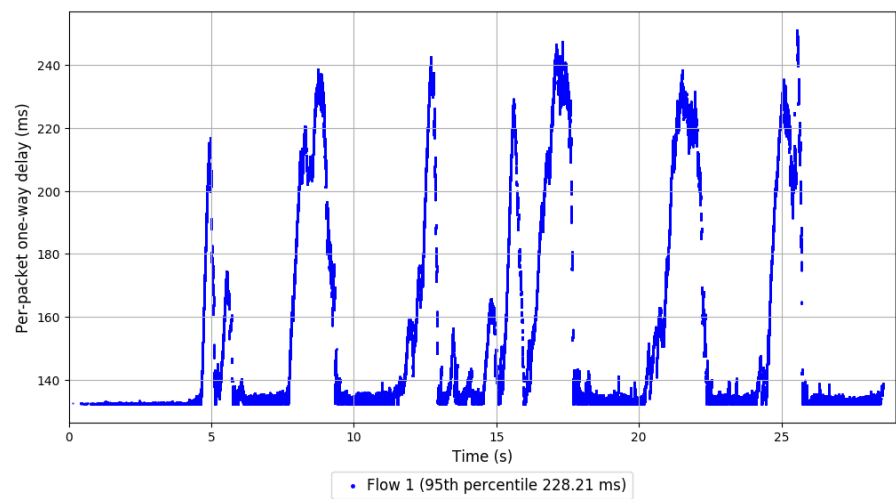
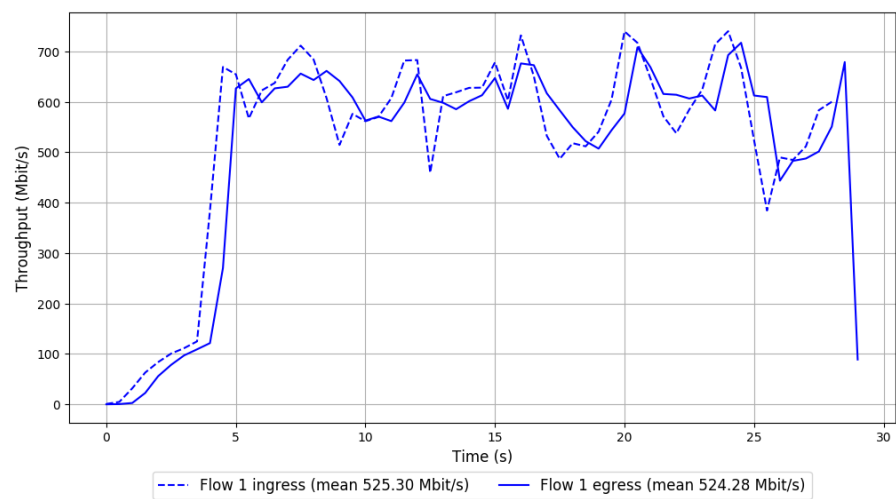


Run 1: Statistics of Indigo-MusesD

Start at: 2019-02-05 12:39:35
End at: 2019-02-05 12:40:05
Local clock offset: -0.291 ms
Remote clock offset: -0.229 ms

Below is generated by plot.py at 2019-02-05 16:19:47
Datalink statistics
-- Total of 1 flow:
Average throughput: 524.28 Mbit/s
95th percentile per-packet one-way delay: 228.212 ms
Loss rate: 0.19%
-- Flow 1:
Average throughput: 524.28 Mbit/s
95th percentile per-packet one-way delay: 228.212 ms
Loss rate: 0.19%

Run 1: Report of Indigo-MusesD — Data Link



Run 2: Statistics of Indigo-MusesD

Start at: 2019-02-05 13:12:20

End at: 2019-02-05 13:12:50

Local clock offset: 0.46 ms

Remote clock offset: 0.045 ms

Below is generated by plot.py at 2019-02-05 16:25:00

Datalink statistics

-- Total of 1 flow:

Average throughput: 534.65 Mbit/s

95th percentile per-packet one-way delay: 223.157 ms

Loss rate: 0.21%

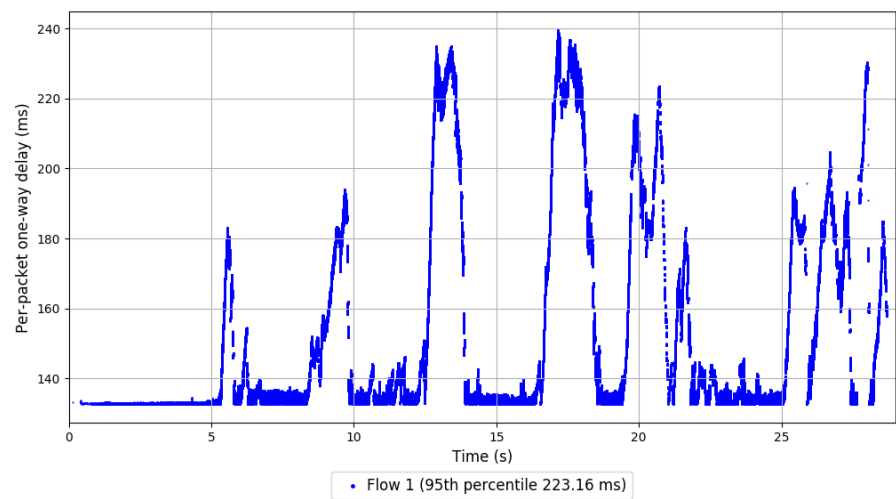
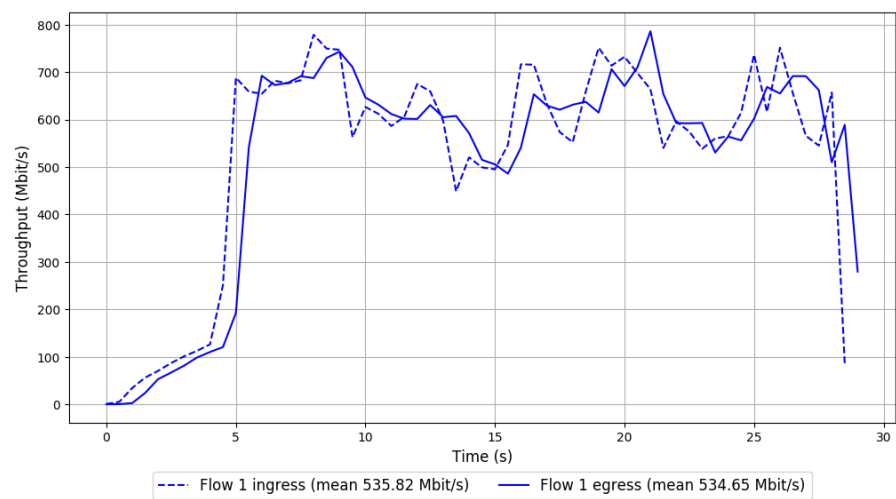
-- Flow 1:

Average throughput: 534.65 Mbit/s

95th percentile per-packet one-way delay: 223.157 ms

Loss rate: 0.21%

Run 2: Report of Indigo-MusesD — Data Link



Run 3: Statistics of Indigo-MusesD

Start at: 2019-02-05 13:44:31

End at: 2019-02-05 13:45:01

Local clock offset: -0.17 ms

Remote clock offset: 0.164 ms

Below is generated by plot.py at 2019-02-05 16:25:17

Datalink statistics

-- Total of 1 flow:

Average throughput: 536.24 Mbit/s

95th percentile per-packet one-way delay: 229.304 ms

Loss rate: 0.61%

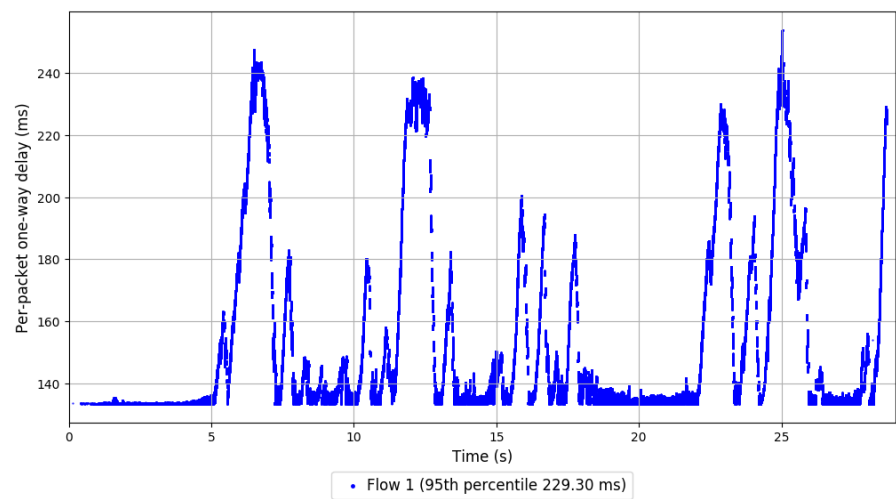
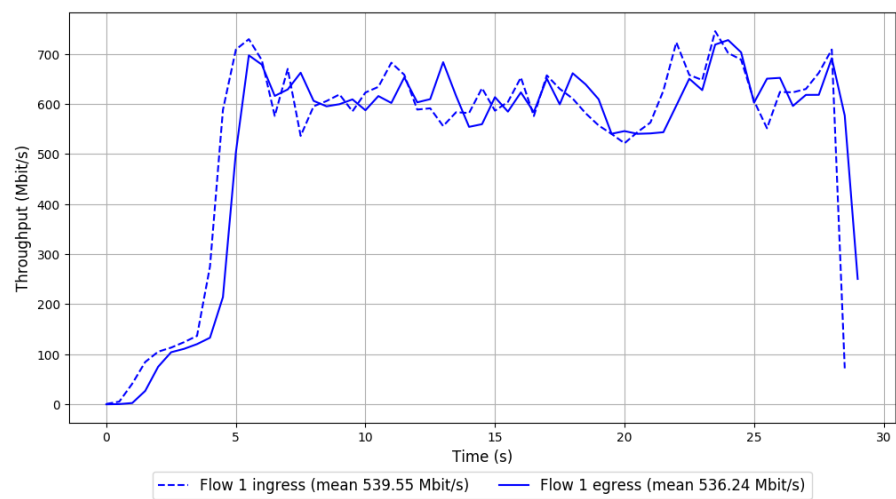
-- Flow 1:

Average throughput: 536.24 Mbit/s

95th percentile per-packet one-way delay: 229.304 ms

Loss rate: 0.61%

Run 3: Report of Indigo-MusesD — Data Link



Run 4: Statistics of Indigo-MusesD

Start at: 2019-02-05 14:16:32

End at: 2019-02-05 14:17:02

Local clock offset: -0.056 ms

Remote clock offset: 0.353 ms

Below is generated by plot.py at 2019-02-05 16:25:17

Datalink statistics

-- Total of 1 flow:

Average throughput: 533.88 Mbit/s

95th percentile per-packet one-way delay: 225.592 ms

Loss rate: 0.44%

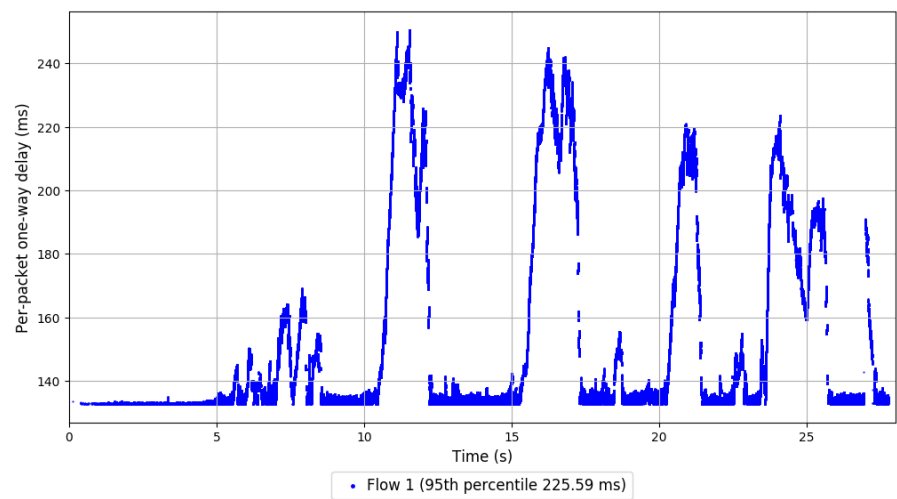
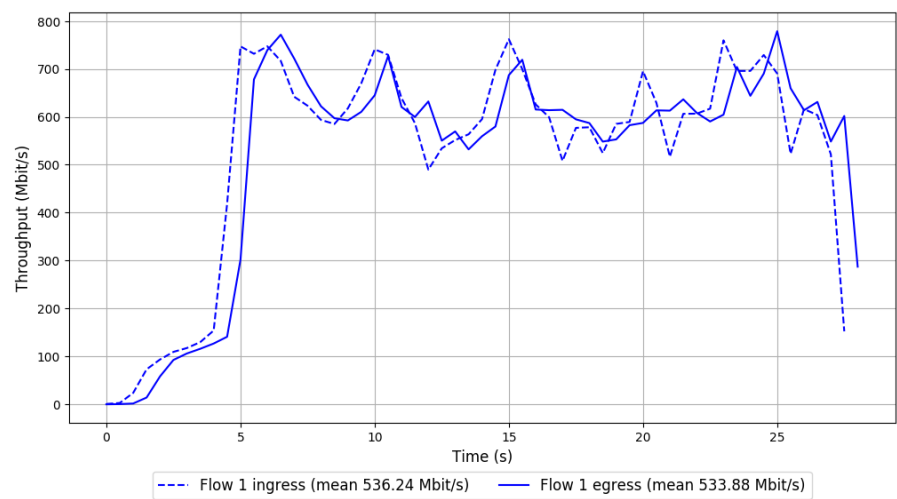
-- Flow 1:

Average throughput: 533.88 Mbit/s

95th percentile per-packet one-way delay: 225.592 ms

Loss rate: 0.44%

Run 4: Report of Indigo-MusesD — Data Link



Run 5: Statistics of Indigo-MusesD

Start at: 2019-02-05 14:48:16

End at: 2019-02-05 14:48:46

Local clock offset: -0.23 ms

Remote clock offset: 0.004 ms

Below is generated by plot.py at 2019-02-05 16:27:25

Datalink statistics

-- Total of 1 flow:

Average throughput: 575.43 Mbit/s

95th percentile per-packet one-way delay: 220.090 ms

Loss rate: 0.32%

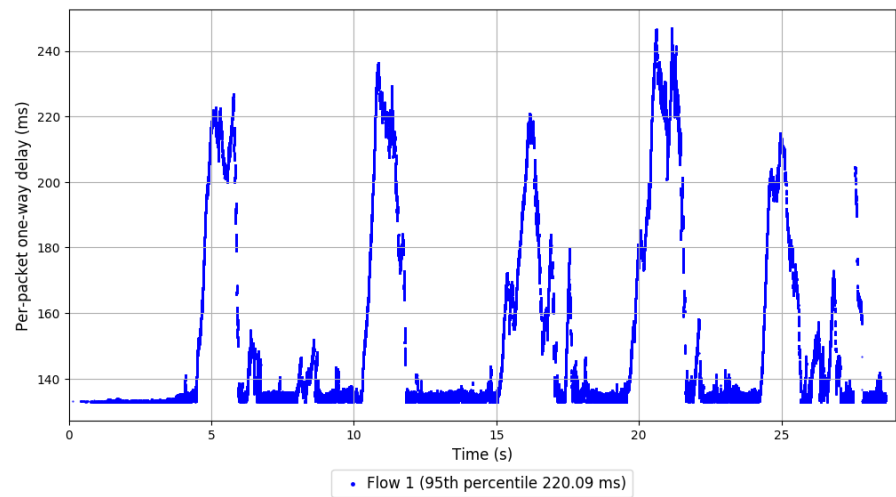
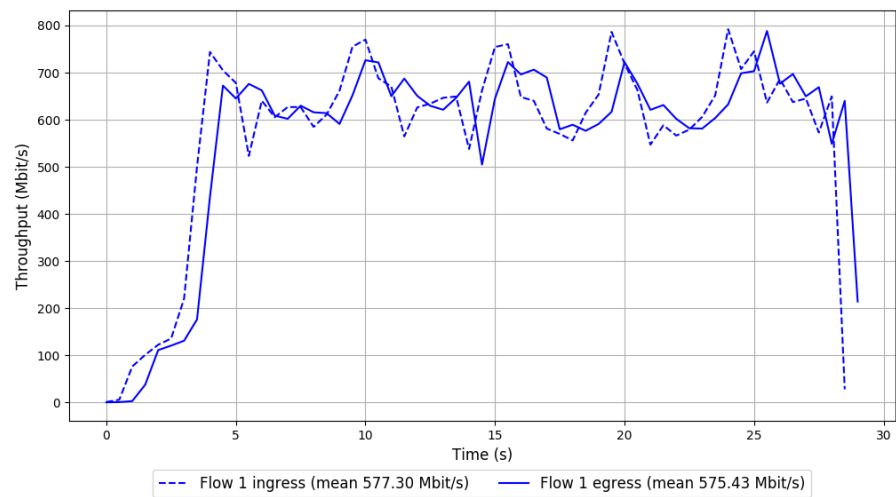
-- Flow 1:

Average throughput: 575.43 Mbit/s

95th percentile per-packet one-way delay: 220.090 ms

Loss rate: 0.32%

Run 5: Report of Indigo-MusesD — Data Link

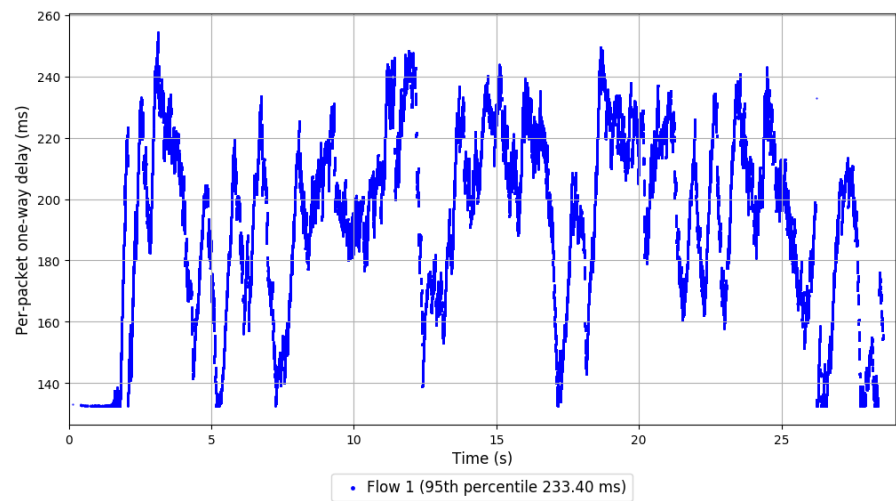
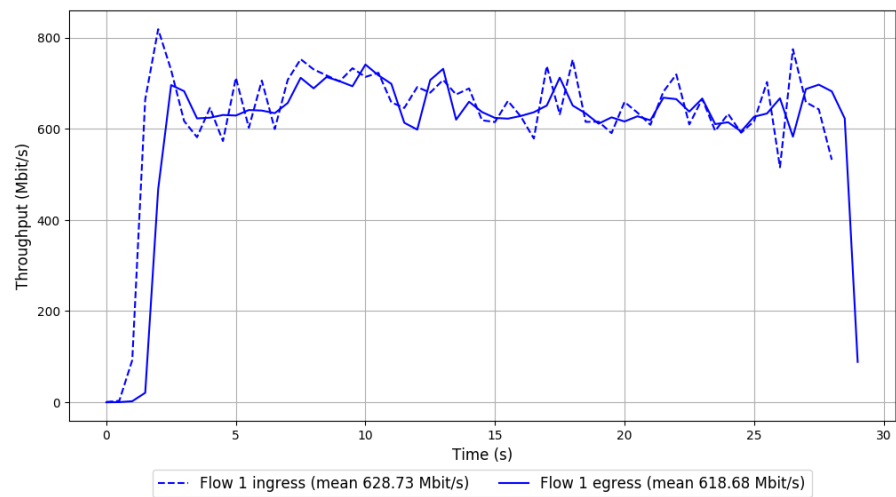


```
Run 1: Statistics of Indigo-MusesT

Start at: 2019-02-05 12:47:47
End at: 2019-02-05 12:48:17
Local clock offset: -0.037 ms
Remote clock offset: 0.244 ms

# Below is generated by plot.py at 2019-02-05 16:29:31
# Datalink statistics
-- Total of 1 flow:
Average throughput: 618.68 Mbit/s
95th percentile per-packet one-way delay: 233.400 ms
Loss rate: 1.60%
-- Flow 1:
Average throughput: 618.68 Mbit/s
95th percentile per-packet one-way delay: 233.400 ms
Loss rate: 1.60%
```

Run 1: Report of Indigo-MusesT — Data Link



Run 2: Statistics of Indigo-MusesT

Start at: 2019-02-05 13:20:28

End at: 2019-02-05 13:20:58

Local clock offset: -0.199 ms

Remote clock offset: 0.021 ms

Below is generated by plot.py at 2019-02-05 16:29:59

Datalink statistics

-- Total of 1 flow:

Average throughput: 616.19 Mbit/s

95th percentile per-packet one-way delay: 232.521 ms

Loss rate: 1.32%

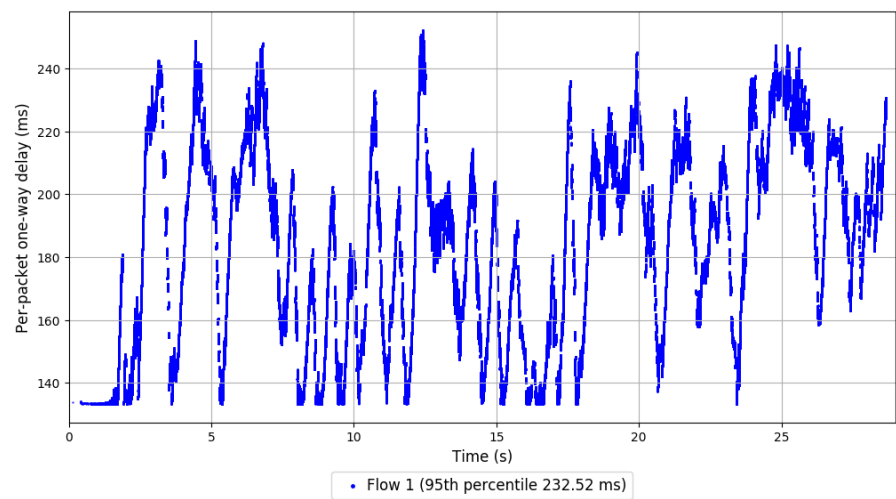
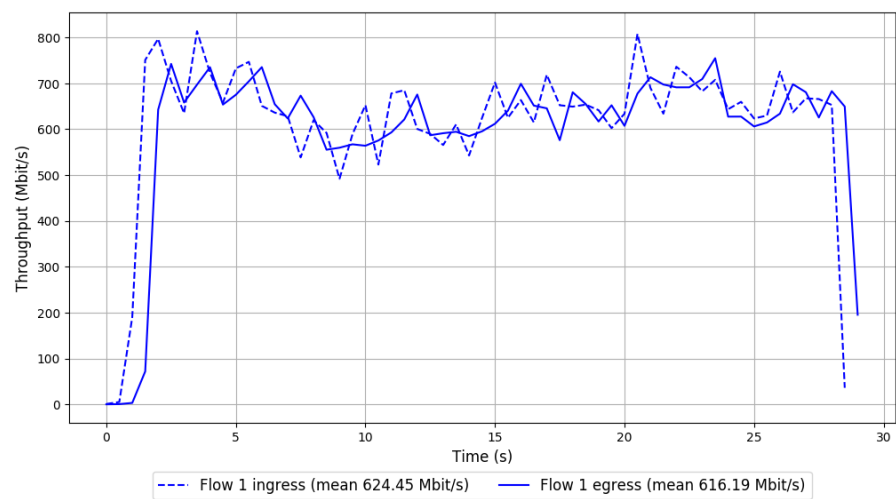
-- Flow 1:

Average throughput: 616.19 Mbit/s

95th percentile per-packet one-way delay: 232.521 ms

Loss rate: 1.32%

Run 2: Report of Indigo-MusesT — Data Link



Run 3: Statistics of Indigo-MusesT

Start at: 2019-02-05 13:52:22

End at: 2019-02-05 13:52:52

Local clock offset: -0.356 ms

Remote clock offset: 0.021 ms

Below is generated by plot.py at 2019-02-05 16:33:42

Datalink statistics

-- Total of 1 flow:

Average throughput: 617.51 Mbit/s

95th percentile per-packet one-way delay: 234.752 ms

Loss rate: 1.44%

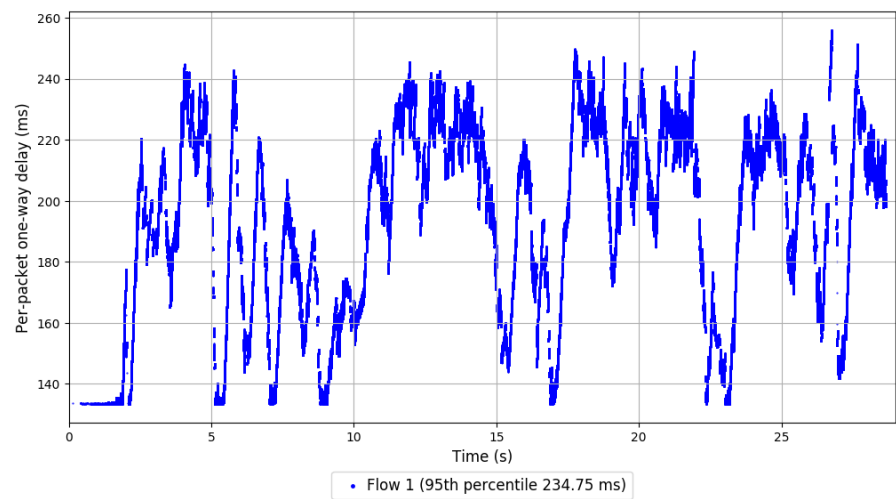
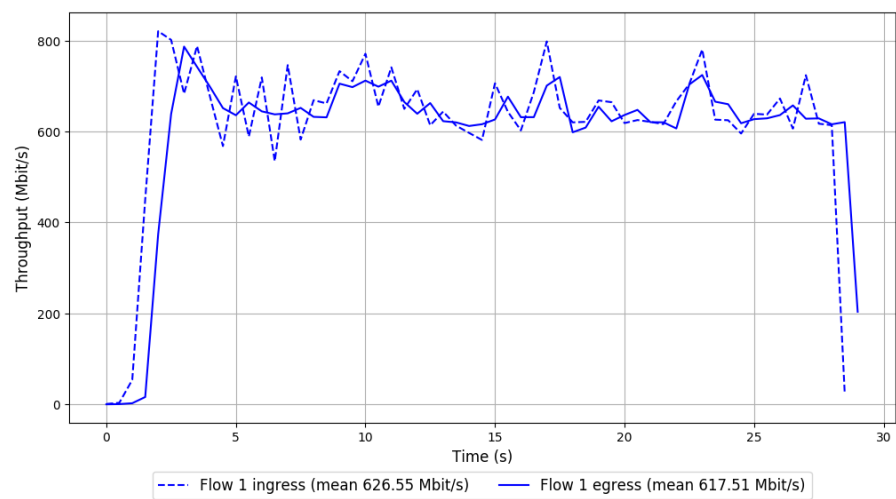
-- Flow 1:

Average throughput: 617.51 Mbit/s

95th percentile per-packet one-way delay: 234.752 ms

Loss rate: 1.44%

Run 3: Report of Indigo-MusesT — Data Link



Run 4: Statistics of Indigo-MusesT

Start at: 2019-02-05 14:24:06

End at: 2019-02-05 14:24:36

Local clock offset: -0.131 ms

Remote clock offset: -0.042 ms

Below is generated by plot.py at 2019-02-05 16:34:29

Datalink statistics

-- Total of 1 flow:

Average throughput: 640.00 Mbit/s

95th percentile per-packet one-way delay: 236.914 ms

Loss rate: 2.62%

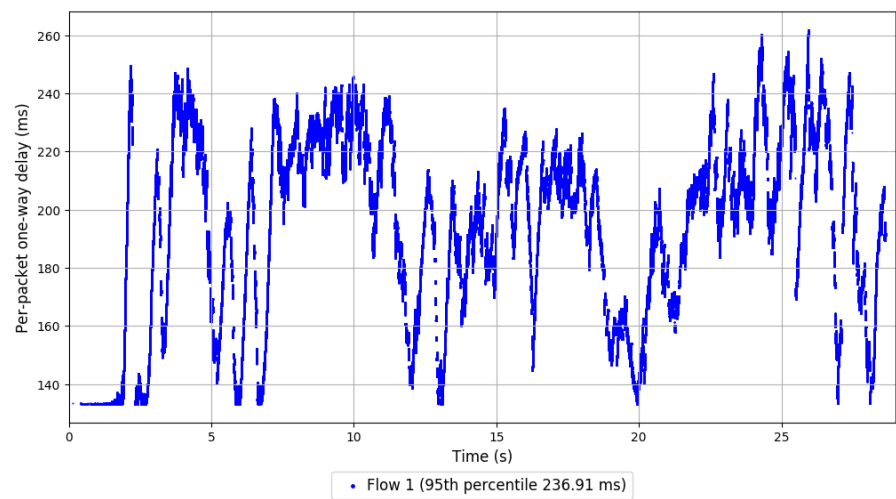
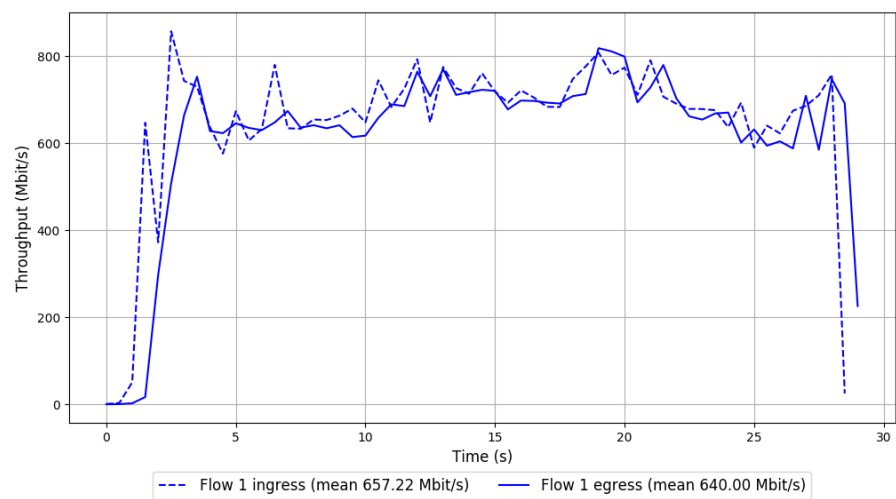
-- Flow 1:

Average throughput: 640.00 Mbit/s

95th percentile per-packet one-way delay: 236.914 ms

Loss rate: 2.62%

Run 4: Report of Indigo-MusesT — Data Link



Run 5: Statistics of Indigo-MusesT

Start at: 2019-02-05 14:56:27

End at: 2019-02-05 14:56:57

Local clock offset: 0.437 ms

Remote clock offset: 0.076 ms

Below is generated by plot.py at 2019-02-05 16:39:38

Datalink statistics

-- Total of 1 flow:

Average throughput: 603.95 Mbit/s

95th percentile per-packet one-way delay: 237.769 ms

Loss rate: 2.81%

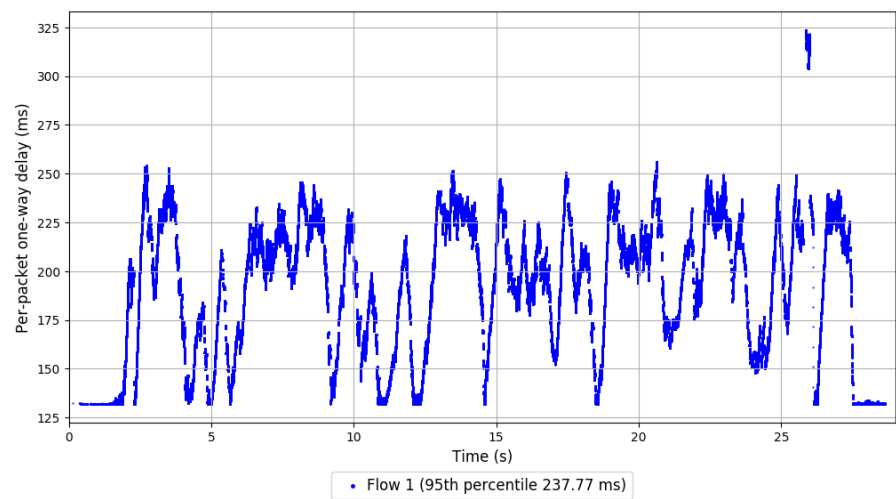
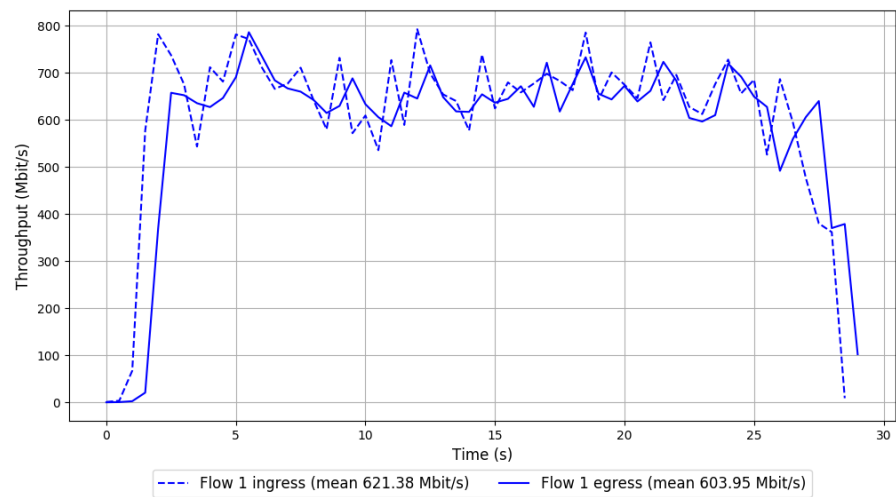
-- Flow 1:

Average throughput: 603.95 Mbit/s

95th percentile per-packet one-way delay: 237.769 ms

Loss rate: 2.81%

Run 5: Report of Indigo-MusesT — Data Link

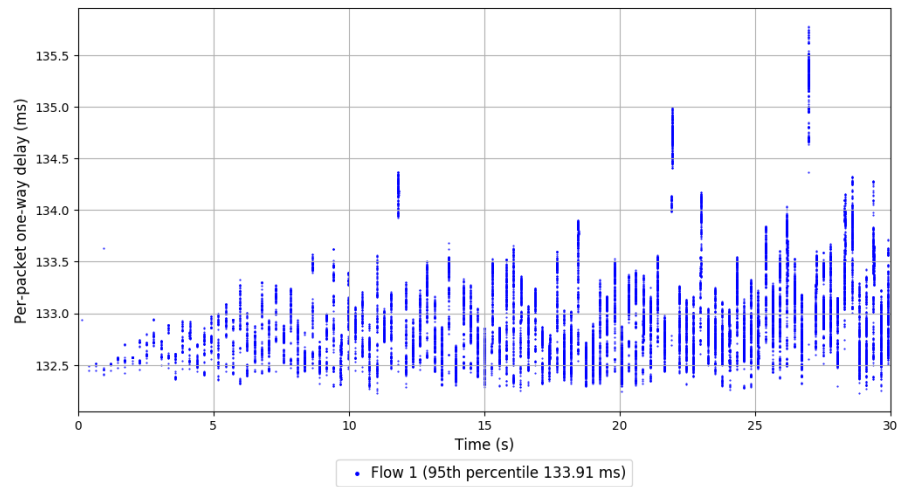
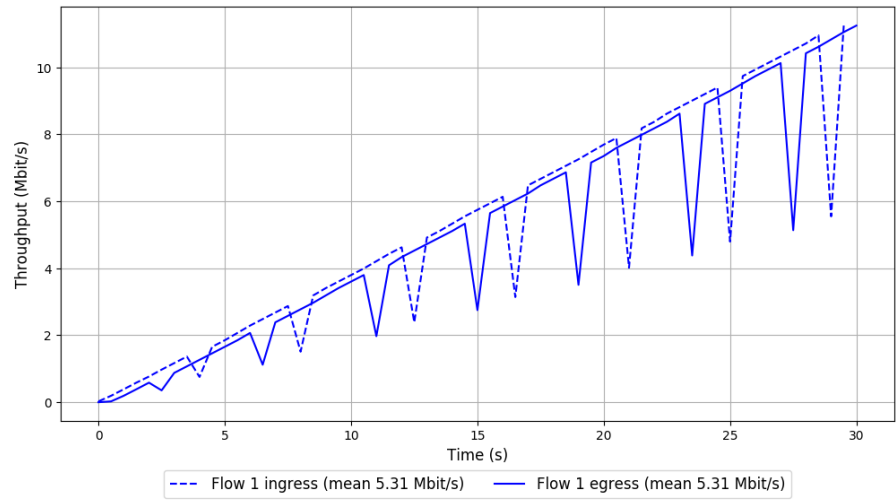


```
Run 1: Statistics of LEDBAT

Start at: 2019-02-05 12:46:36
End at: 2019-02-05 12:47:06
Local clock offset: 0.051 ms
Remote clock offset: 0.05 ms

# Below is generated by plot.py at 2019-02-05 16:39:38
# Datalink statistics
-- Total of 1 flow:
Average throughput: 5.31 Mbit/s
95th percentile per-packet one-way delay: 133.914 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 5.31 Mbit/s
95th percentile per-packet one-way delay: 133.914 ms
Loss rate: 0.00%
```

Run 1: Report of LEDBAT — Data Link

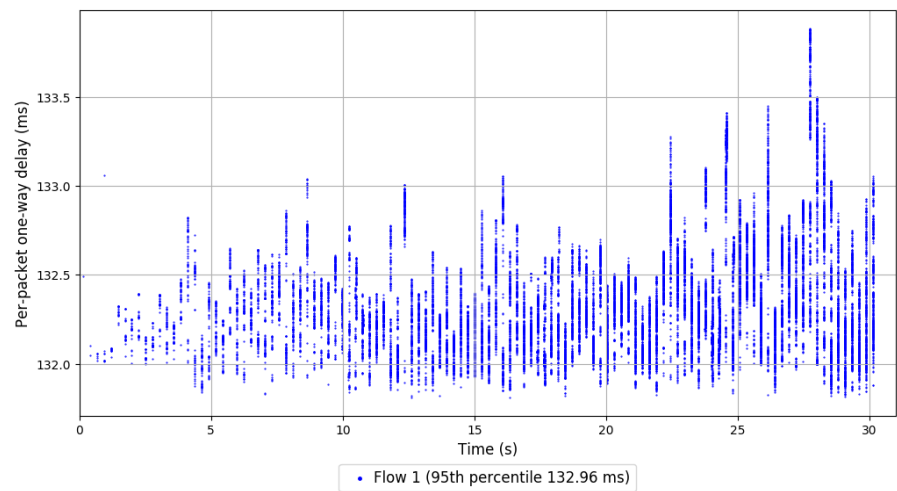
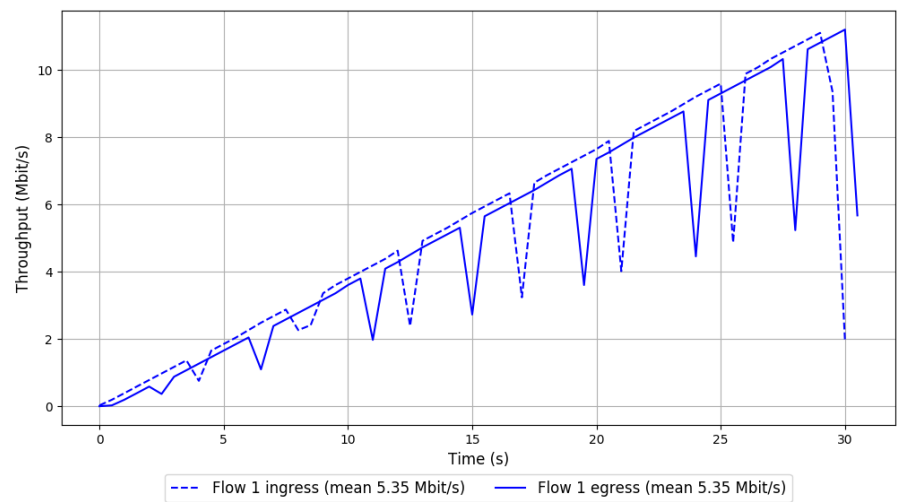


Run 2: Statistics of LEDBAT

Start at: 2019-02-05 13:19:16
End at: 2019-02-05 13:19:46
Local clock offset: -0.109 ms
Remote clock offset: -0.315 ms

Below is generated by plot.py at 2019-02-05 16:39:38
Datalink statistics
-- Total of 1 flow:
Average throughput: 5.35 Mbit/s
95th percentile per-packet one-way delay: 132.963 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 5.35 Mbit/s
95th percentile per-packet one-way delay: 132.963 ms
Loss rate: 0.00%

Run 2: Report of LEDBAT — Data Link



Run 3: Statistics of LEDBAT

Start at: 2019-02-05 13:51:10

End at: 2019-02-05 13:51:40

Local clock offset: 0.399 ms

Remote clock offset: 0.007 ms

Below is generated by plot.py at 2019-02-05 16:39:38

Datalink statistics

-- Total of 1 flow:

Average throughput: 5.30 Mbit/s

95th percentile per-packet one-way delay: 133.966 ms

Loss rate: 0.00%

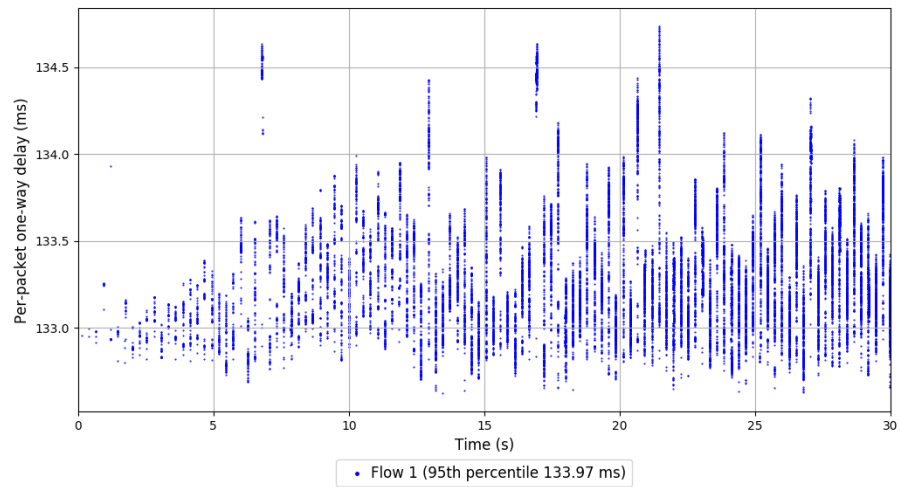
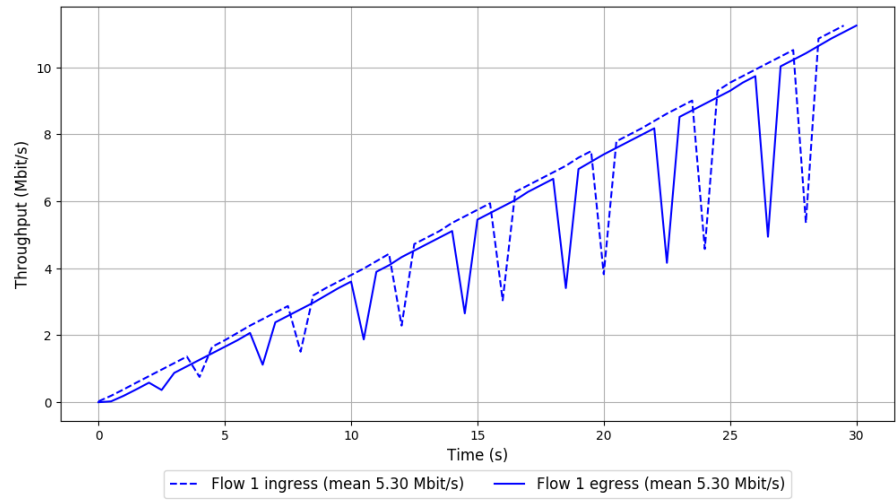
-- Flow 1:

Average throughput: 5.30 Mbit/s

95th percentile per-packet one-way delay: 133.966 ms

Loss rate: 0.00%

Run 3: Report of LEDBAT — Data Link

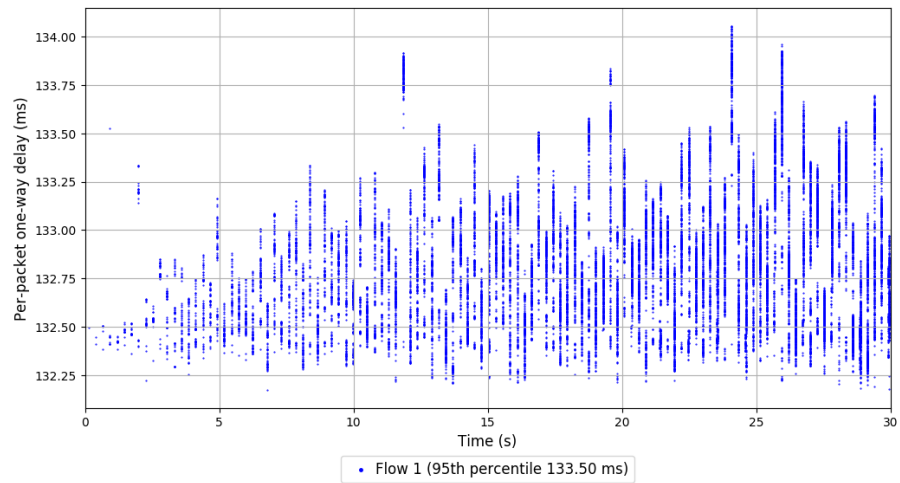
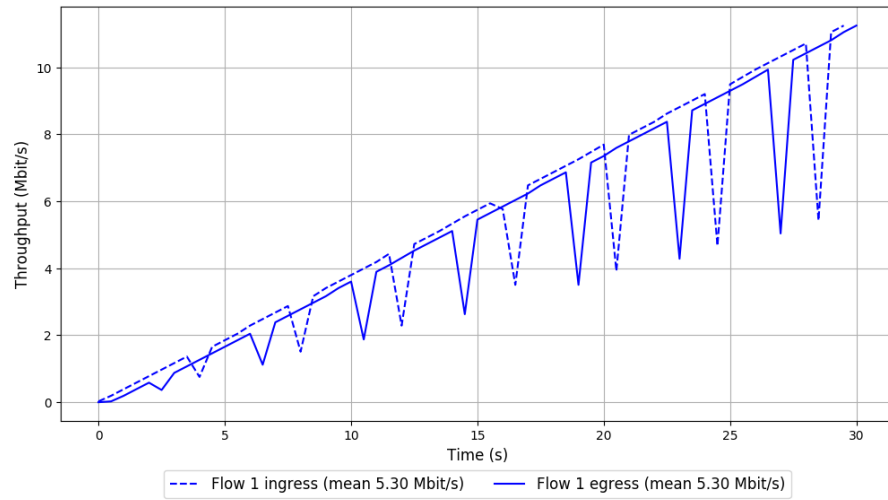


Run 4: Statistics of LEDBAT

Start at: 2019-02-05 14:22:54
End at: 2019-02-05 14:23:24
Local clock offset: -0.266 ms
Remote clock offset: -0.061 ms

Below is generated by plot.py at 2019-02-05 16:39:38
Datalink statistics
-- Total of 1 flow:
Average throughput: 5.30 Mbit/s
95th percentile per-packet one-way delay: 133.498 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 5.30 Mbit/s
95th percentile per-packet one-way delay: 133.498 ms
Loss rate: 0.00%

Run 4: Report of LEDBAT — Data Link

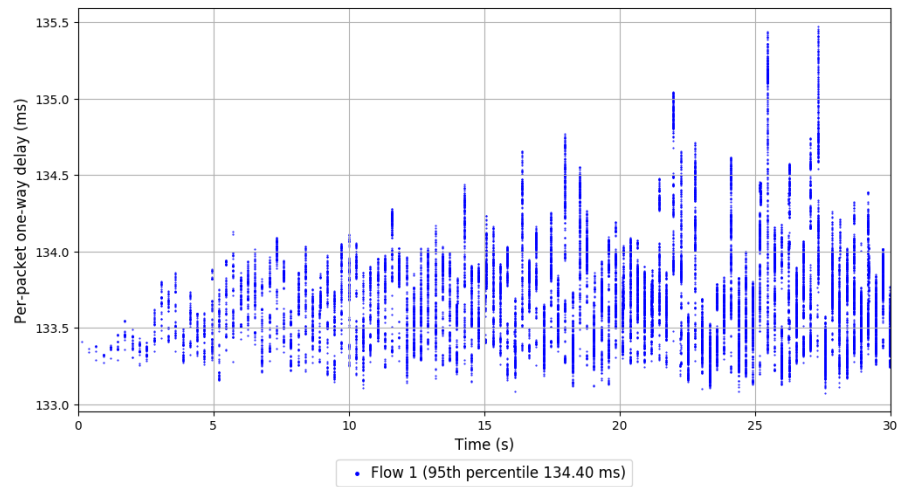
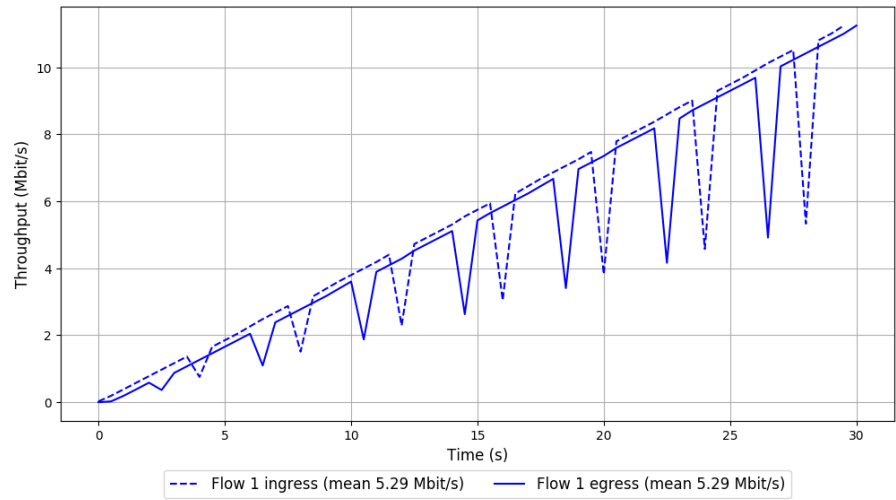


```
Run 5: Statistics of LEDBAT

Start at: 2019-02-05 14:55:15
End at: 2019-02-05 14:55:45
Local clock offset: -0.037 ms
Remote clock offset: 0.055 ms

# Below is generated by plot.py at 2019-02-05 16:39:38
# Datalink statistics
-- Total of 1 flow:
Average throughput: 5.29 Mbit/s
95th percentile per-packet one-way delay: 134.399 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 5.29 Mbit/s
95th percentile per-packet one-way delay: 134.399 ms
Loss rate: 0.00%
```

Run 5: Report of LEDBAT — Data Link



Run 1: Statistics of PCC-Allegro

Start at: 2019-02-05 12:27:19

End at: 2019-02-05 12:27:49

Local clock offset: -0.407 ms

Remote clock offset: 0.101 ms

Below is generated by plot.py at 2019-02-05 16:43:07

Datalink statistics

-- Total of 1 flow:

Average throughput: 368.58 Mbit/s

95th percentile per-packet one-way delay: 250.515 ms

Loss rate: 2.21%

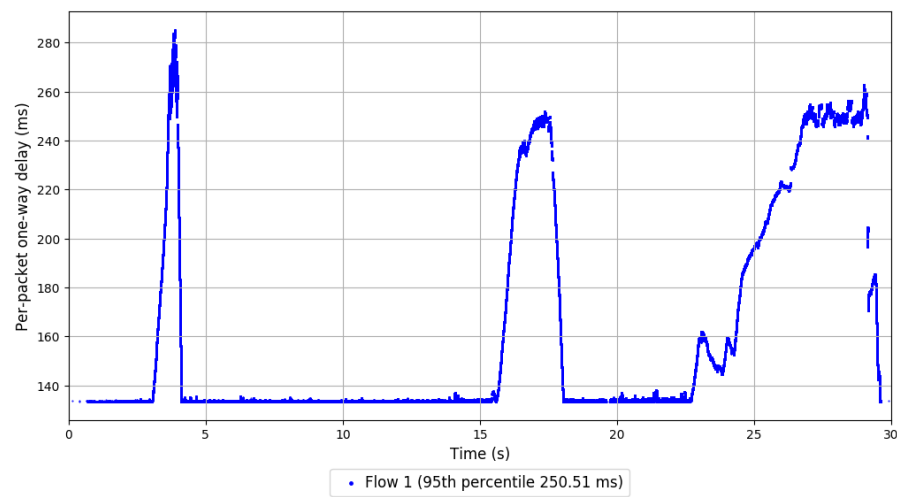
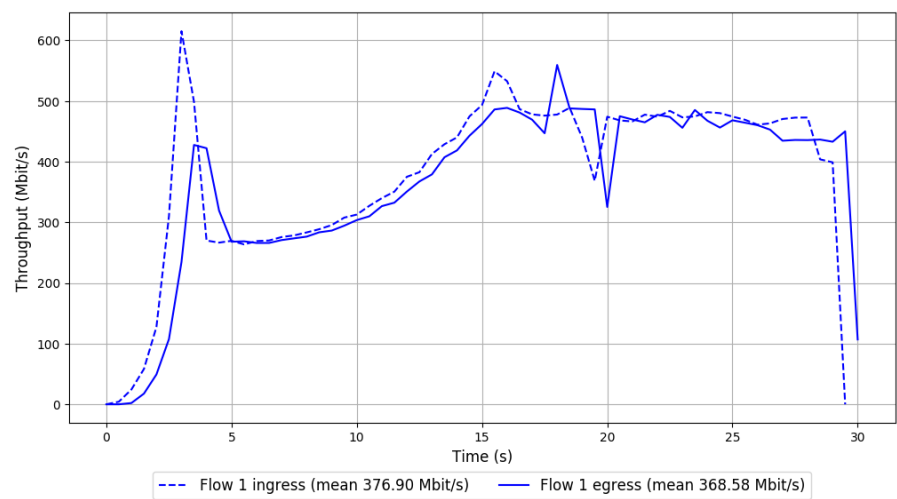
-- Flow 1:

Average throughput: 368.58 Mbit/s

95th percentile per-packet one-way delay: 250.515 ms

Loss rate: 2.21%

Run 1: Report of PCC-Allegro — Data Link



Run 2: Statistics of PCC-Allegro

Start at: 2019-02-05 13:00:02

End at: 2019-02-05 13:00:32

Local clock offset: -0.169 ms

Remote clock offset: 0.028 ms

Below is generated by plot.py at 2019-02-05 16:43:07

Datalink statistics

-- Total of 1 flow:

Average throughput: 351.49 Mbit/s

95th percentile per-packet one-way delay: 177.764 ms

Loss rate: 1.34%

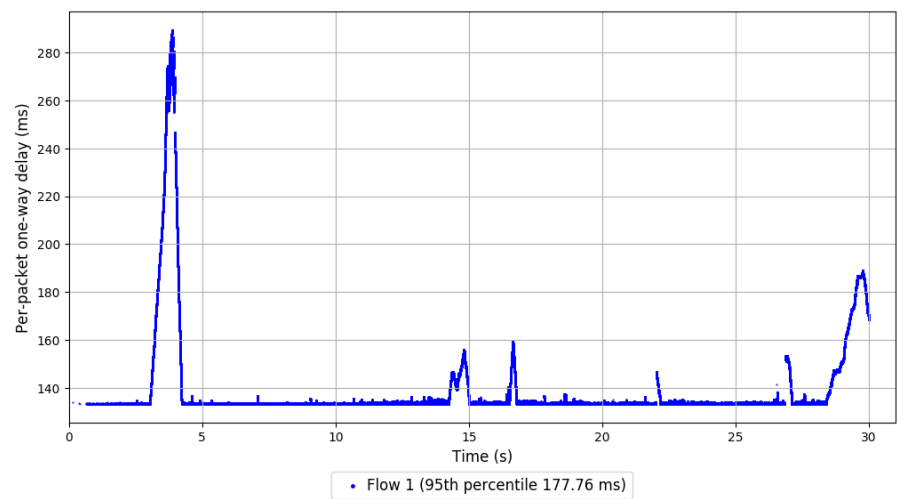
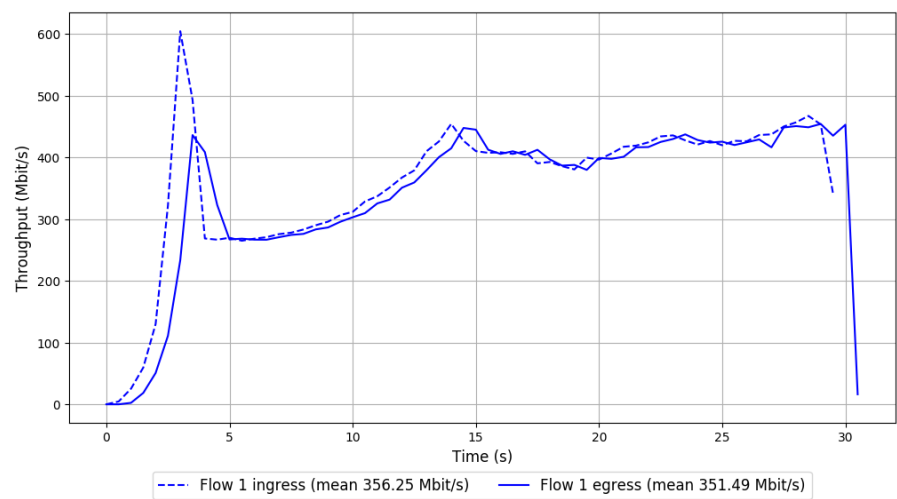
-- Flow 1:

Average throughput: 351.49 Mbit/s

95th percentile per-packet one-way delay: 177.764 ms

Loss rate: 1.34%

Run 2: Report of PCC-Allegro — Data Link



Run 3: Statistics of PCC-Allegro

Start at: 2019-02-05 13:32:24

End at: 2019-02-05 13:32:54

Local clock offset: 0.534 ms

Remote clock offset: 0.054 ms

Below is generated by plot.py at 2019-02-05 16:43:35

Datalink statistics

-- Total of 1 flow:

Average throughput: 365.83 Mbit/s

95th percentile per-packet one-way delay: 221.881 ms

Loss rate: 1.05%

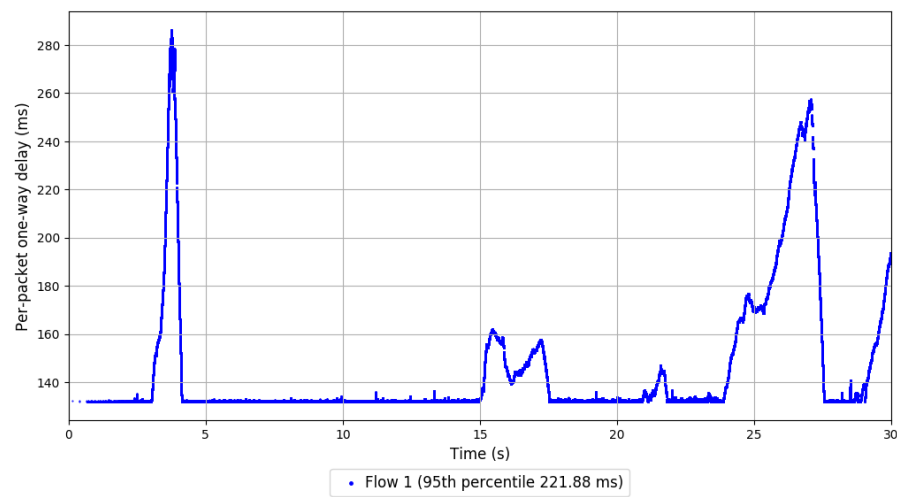
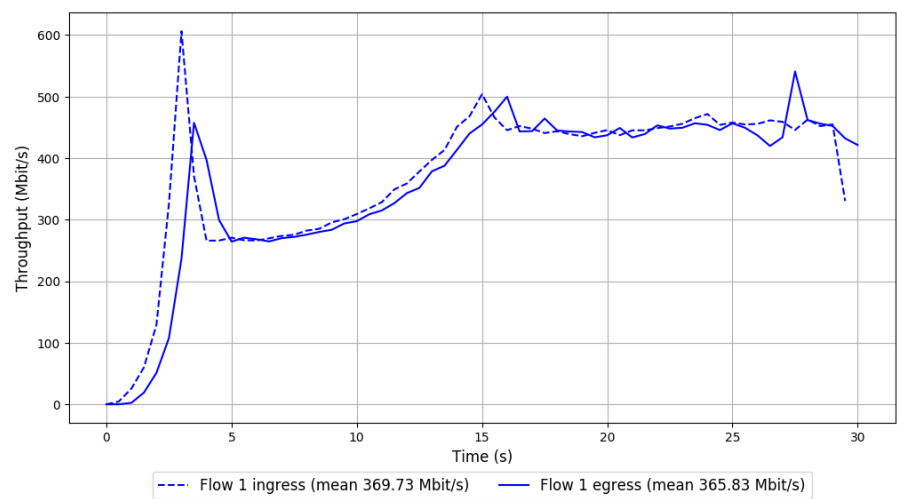
-- Flow 1:

Average throughput: 365.83 Mbit/s

95th percentile per-packet one-way delay: 221.881 ms

Loss rate: 1.05%

Run 3: Report of PCC-Allegro — Data Link



Run 4: Statistics of PCC-Allegro

Start at: 2019-02-05 14:04:17

End at: 2019-02-05 14:04:47

Local clock offset: 0.09 ms

Remote clock offset: 0.028 ms

Below is generated by plot.py at 2019-02-05 16:45:46

Datalink statistics

-- Total of 1 flow:

Average throughput: 330.97 Mbit/s

95th percentile per-packet one-way delay: 255.834 ms

Loss rate: 1.84%

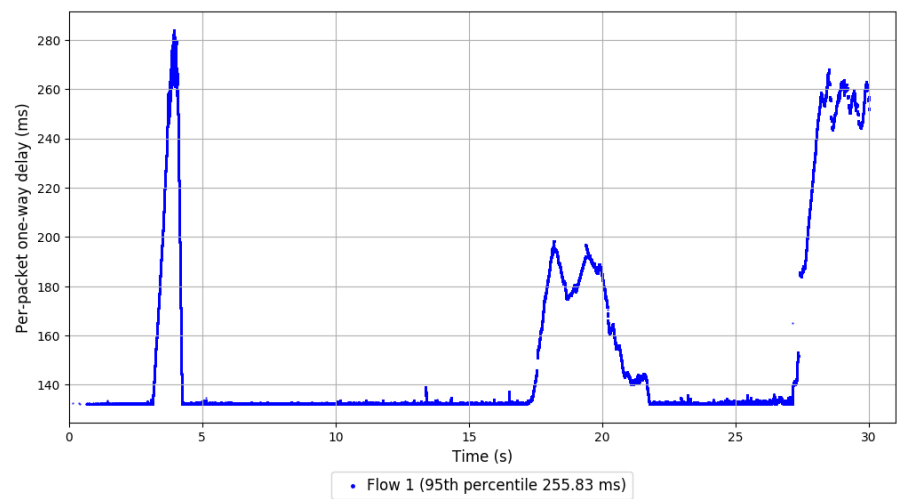
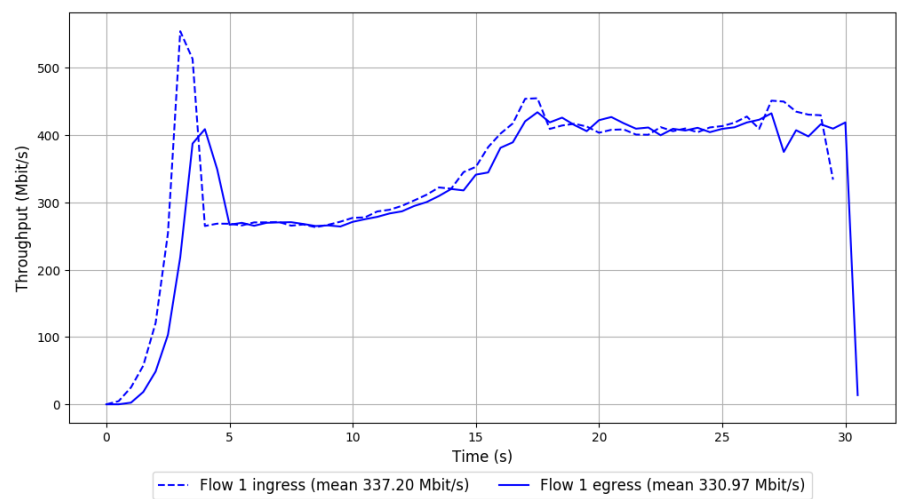
-- Flow 1:

Average throughput: 330.97 Mbit/s

95th percentile per-packet one-way delay: 255.834 ms

Loss rate: 1.84%

Run 4: Report of PCC-Allegro — Data Link



Run 5: Statistics of PCC-Allegro

Start at: 2019-02-05 14:36:08

End at: 2019-02-05 14:36:38

Local clock offset: -0.059 ms

Remote clock offset: 0.056 ms

Below is generated by plot.py at 2019-02-05 16:46:50

Datalink statistics

-- Total of 1 flow:

Average throughput: 353.13 Mbit/s

95th percentile per-packet one-way delay: 238.701 ms

Loss rate: 0.78%

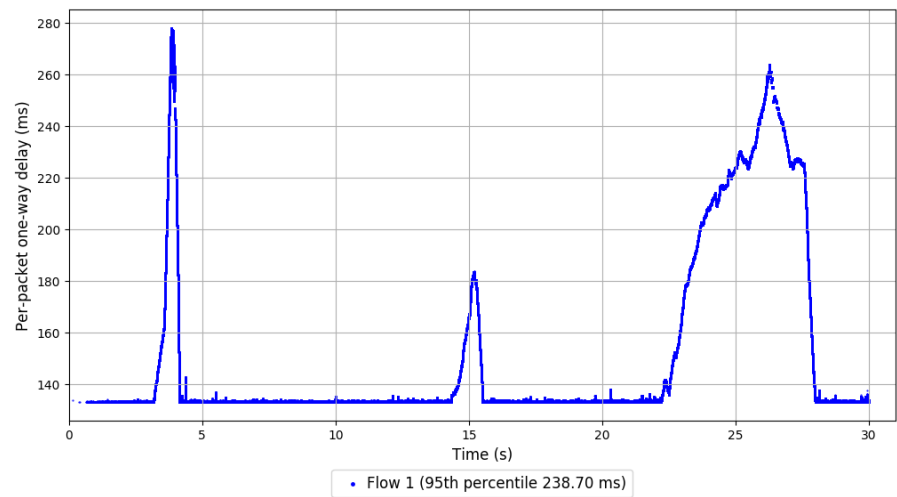
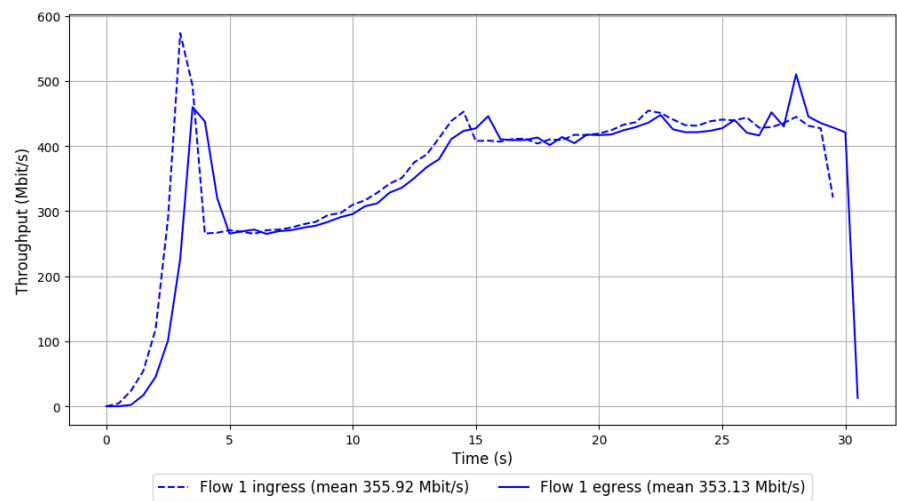
-- Flow 1:

Average throughput: 353.13 Mbit/s

95th percentile per-packet one-way delay: 238.701 ms

Loss rate: 0.78%

Run 5: Report of PCC-Allegro — Data Link



Run 1: Statistics of PCC-Expr

Start at: 2019-02-05 12:32:15

End at: 2019-02-05 12:32:45

Local clock offset: -0.023 ms

Remote clock offset: 0.102 ms

Below is generated by plot.py at 2019-02-05 16:47:34

Datalink statistics

-- Total of 1 flow:

Average throughput: 288.91 Mbit/s

95th percentile per-packet one-way delay: 231.574 ms

Loss rate: 2.81%

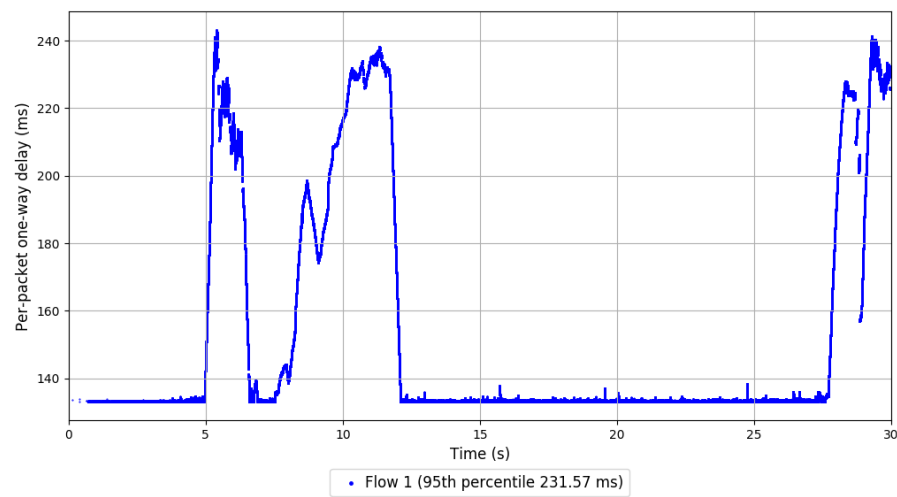
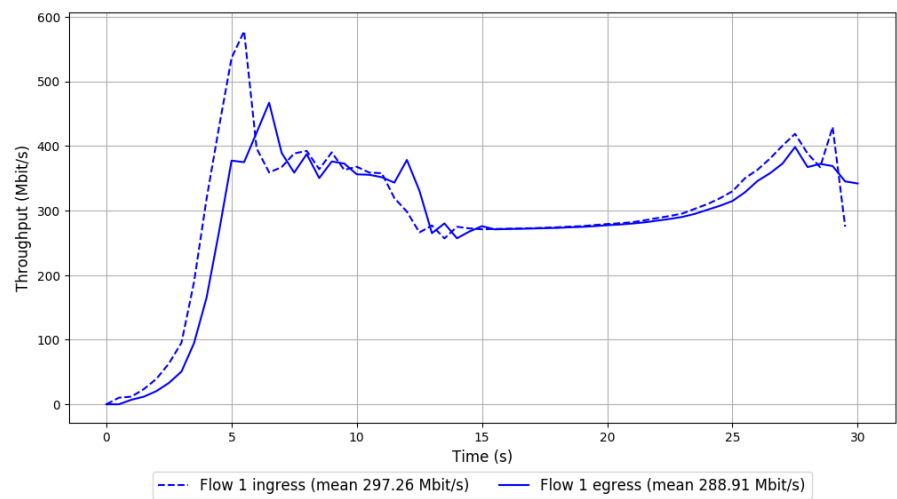
-- Flow 1:

Average throughput: 288.91 Mbit/s

95th percentile per-packet one-way delay: 231.574 ms

Loss rate: 2.81%

Run 1: Report of PCC-Expr — Data Link



Run 2: Statistics of PCC-Expr

Start at: 2019-02-05 13:04:57

End at: 2019-02-05 13:05:27

Local clock offset: 0.083 ms

Remote clock offset: 0.055 ms

Below is generated by plot.py at 2019-02-05 16:49:10

Datalink statistics

-- Total of 1 flow:

Average throughput: 300.22 Mbit/s

95th percentile per-packet one-way delay: 243.204 ms

Loss rate: 6.33%

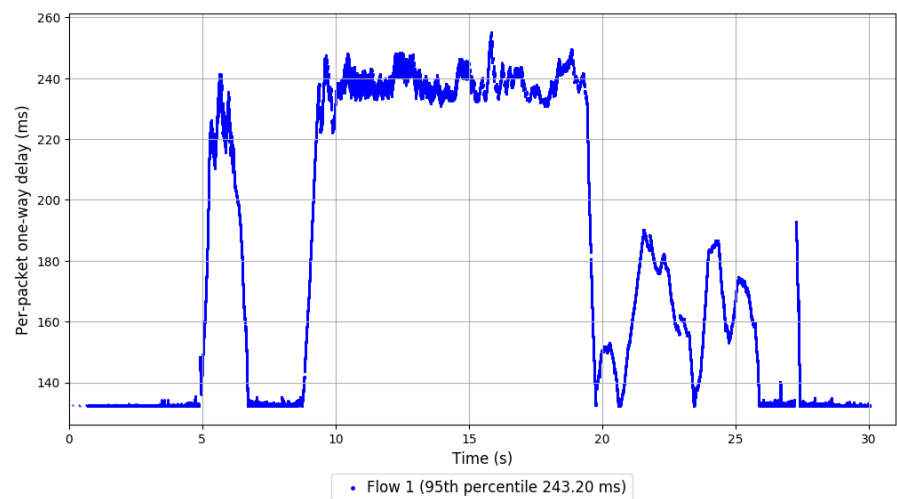
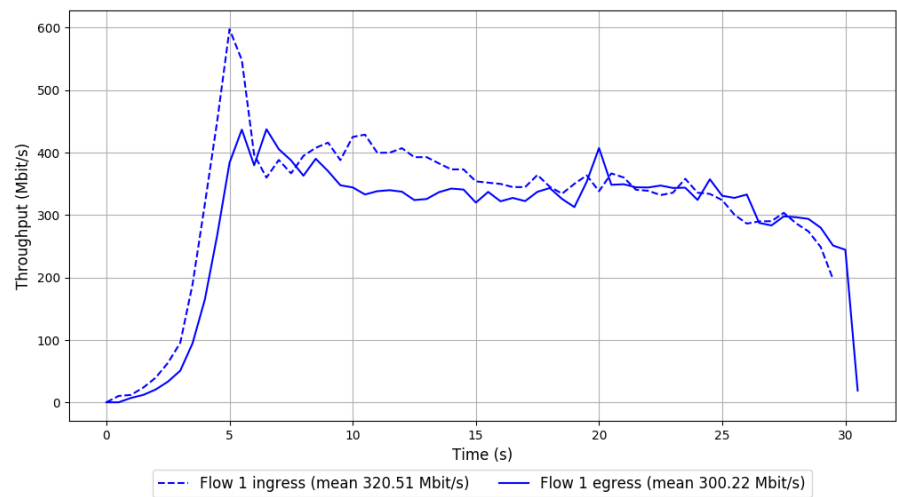
-- Flow 1:

Average throughput: 300.22 Mbit/s

95th percentile per-packet one-way delay: 243.204 ms

Loss rate: 6.33%

Run 2: Report of PCC-Expr — Data Link



Run 3: Statistics of PCC-Expr

Start at: 2019-02-05 13:37:17

End at: 2019-02-05 13:37:48

Local clock offset: 0.385 ms

Remote clock offset: 0.03 ms

Below is generated by plot.py at 2019-02-05 16:50:19

Datalink statistics

-- Total of 1 flow:

Average throughput: 243.79 Mbit/s

95th percentile per-packet one-way delay: 247.678 ms

Loss rate: 5.38%

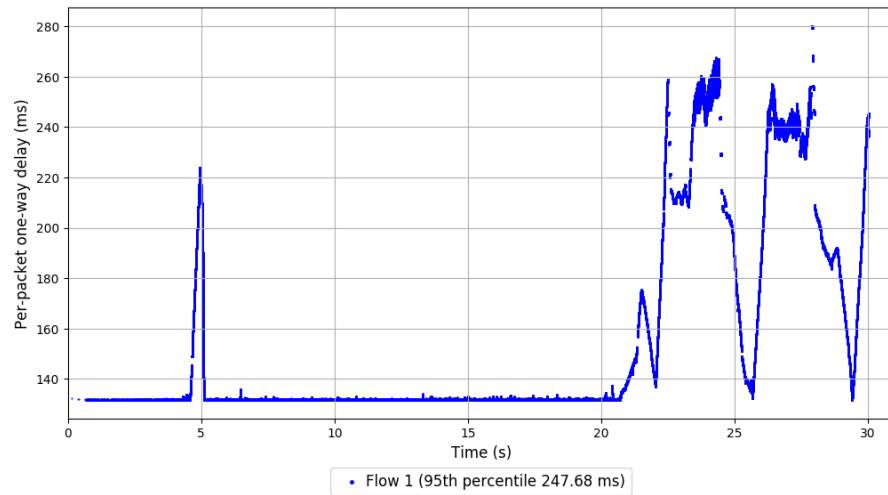
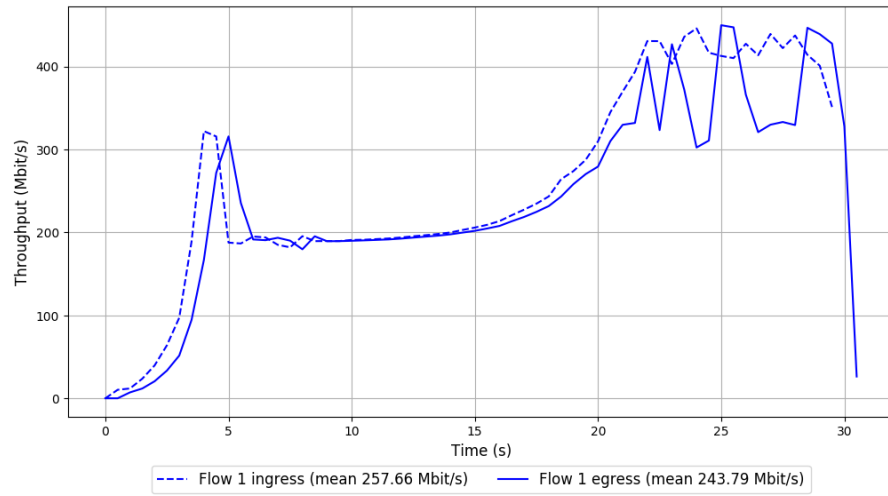
-- Flow 1:

Average throughput: 243.79 Mbit/s

95th percentile per-packet one-way delay: 247.678 ms

Loss rate: 5.38%

Run 3: Report of PCC-Expr — Data Link

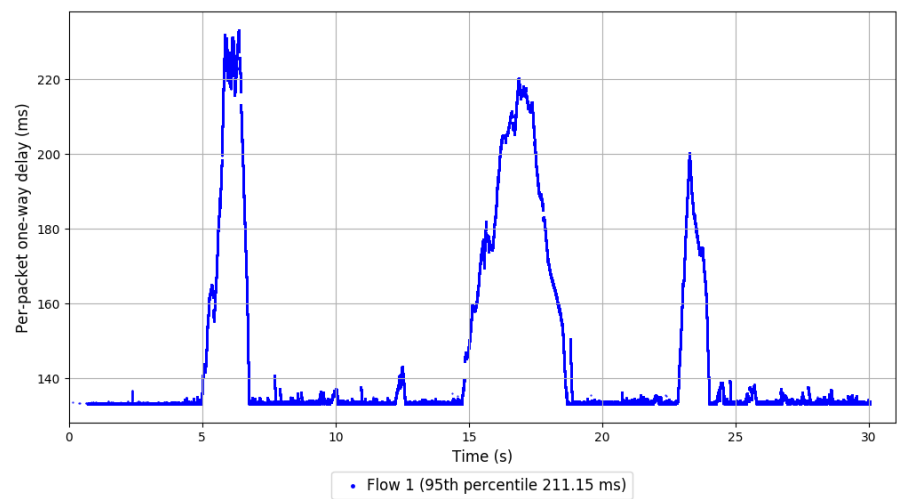
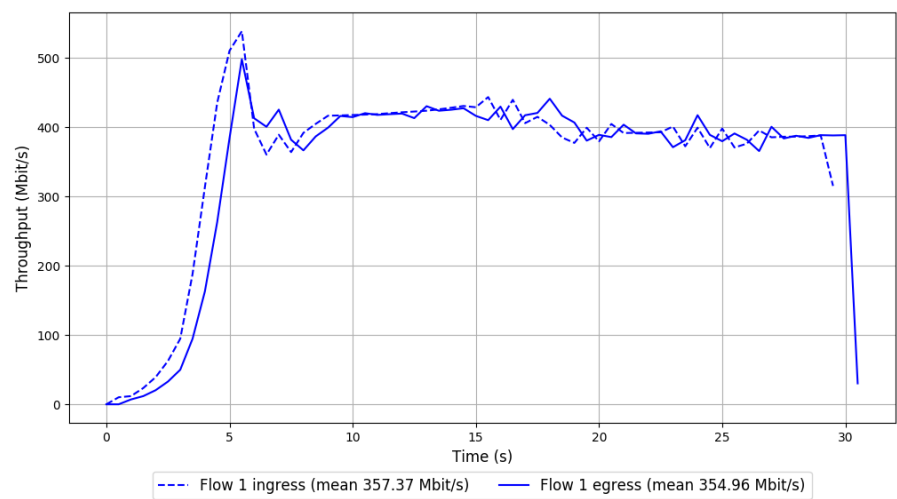


Run 4: Statistics of PCC-Expr

Start at: 2019-02-05 14:09:02
End at: 2019-02-05 14:09:32
Local clock offset: -0.045 ms
Remote clock offset: -0.009 ms

Below is generated by plot.py at 2019-02-05 16:58:24
Datalink statistics
-- Total of 1 flow:
Average throughput: 354.96 Mbit/s
95th percentile per-packet one-way delay: 211.154 ms
Loss rate: 0.68%
-- Flow 1:
Average throughput: 354.96 Mbit/s
95th percentile per-packet one-way delay: 211.154 ms
Loss rate: 0.68%

Run 4: Report of PCC-Expr — Data Link

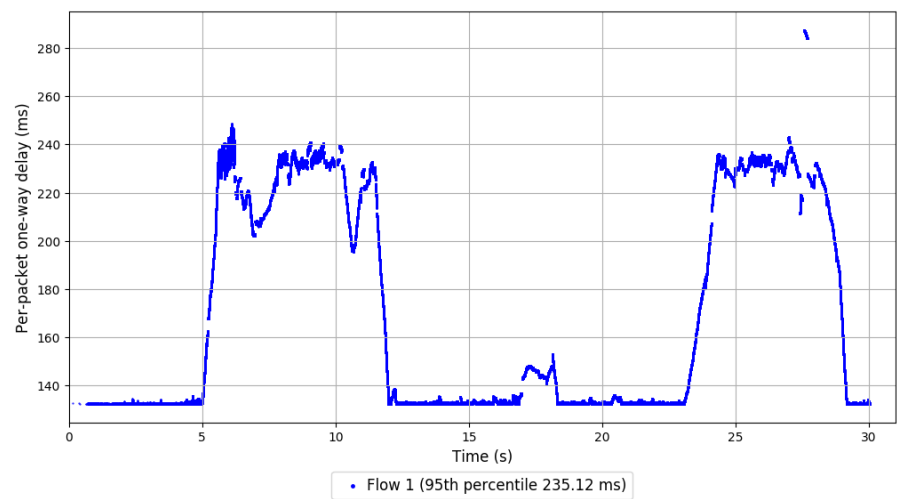
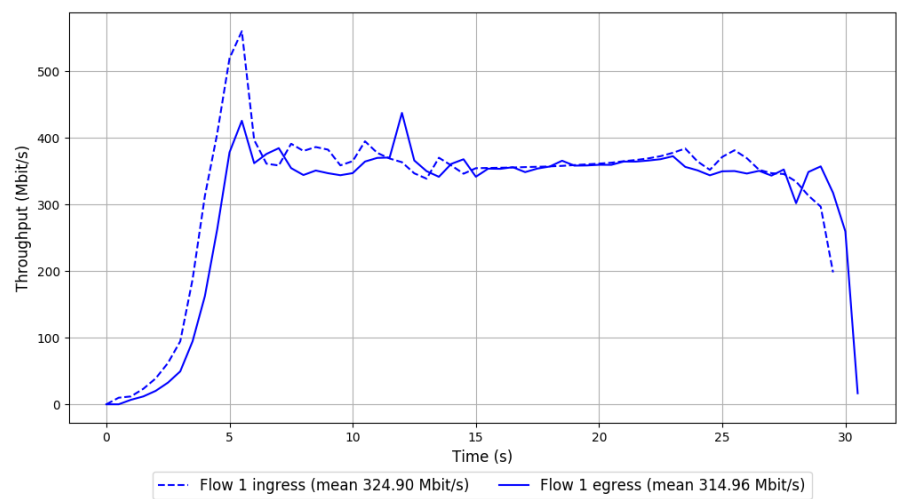


Run 5: Statistics of PCC-Expr

Start at: 2019-02-05 14:40:55
End at: 2019-02-05 14:41:25
Local clock offset: -0.036 ms
Remote clock offset: -0.327 ms

Below is generated by plot.py at 2019-02-05 16:58:24
Datalink statistics
-- Total of 1 flow:
Average throughput: 314.96 Mbit/s
95th percentile per-packet one-way delay: 235.116 ms
Loss rate: 3.06%
-- Flow 1:
Average throughput: 314.96 Mbit/s
95th percentile per-packet one-way delay: 235.116 ms
Loss rate: 3.06%

Run 5: Report of PCC-Expr — Data Link



Run 1: Statistics of QUIC Cubic

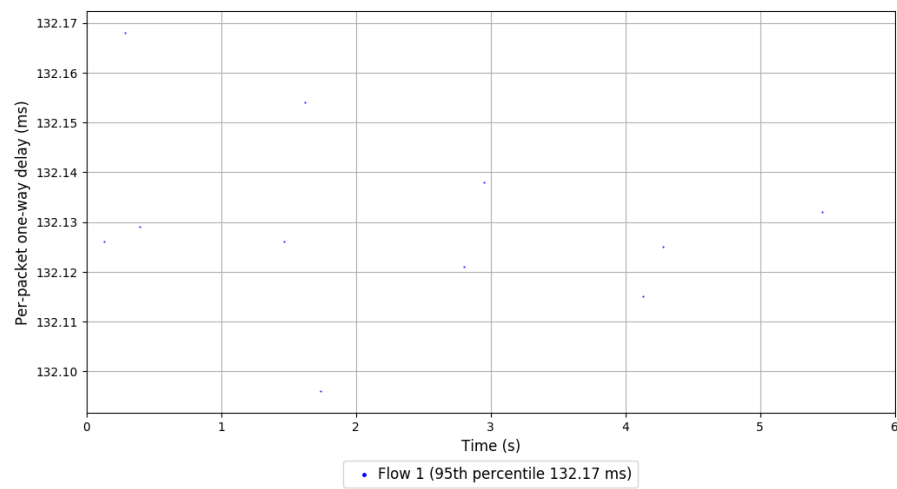
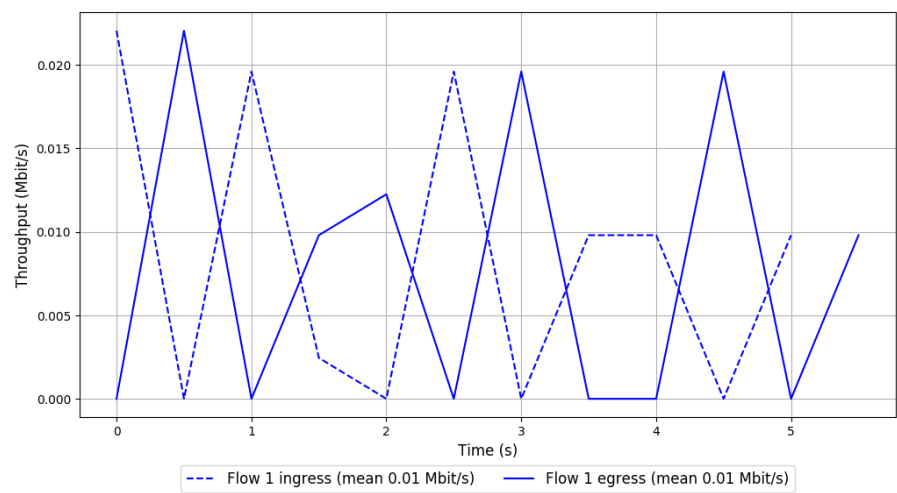
Start at: 2019-02-05 12:17:42

End at: 2019-02-05 12:18:12

Local clock offset: 0.373 ms

Remote clock offset: 0.062 ms

Run 1: Report of QUIC Cubic — Data Link



Run 2: Statistics of QUIC Cubic

Start at: 2019-02-05 12:49:45

End at: 2019-02-05 12:50:15

Local clock offset: 0.054 ms

Remote clock offset: 0.145 ms

Below is generated by plot.py at 2019-02-05 16:58:24

Datalink statistics

-- Total of 1 flow:

Average throughput: 55.01 Mbit/s

95th percentile per-packet one-way delay: 132.590 ms

Loss rate: 0.00%

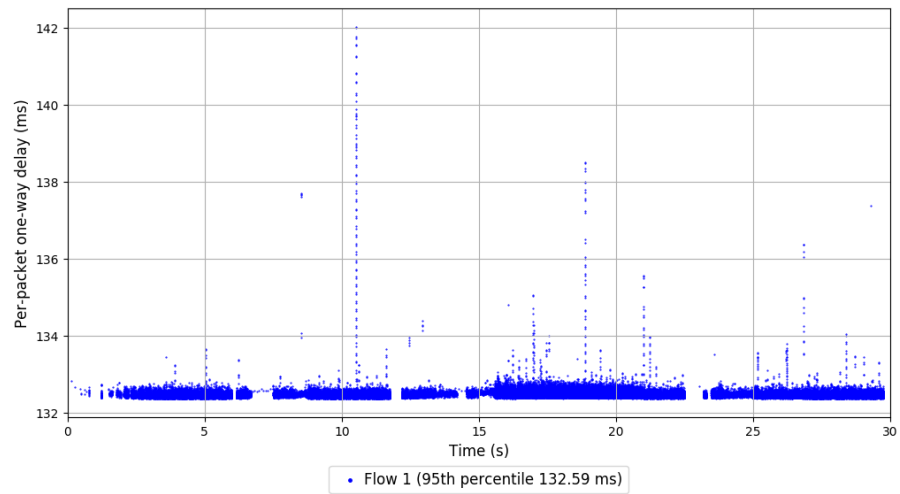
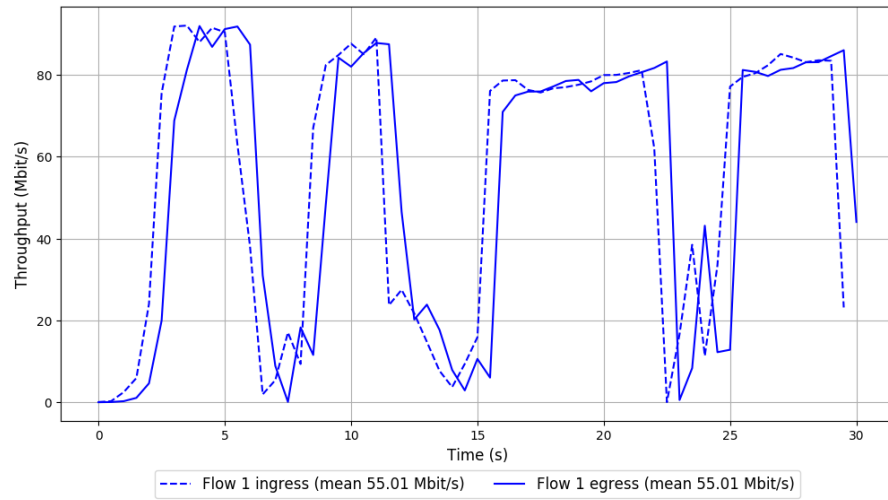
-- Flow 1:

Average throughput: 55.01 Mbit/s

95th percentile per-packet one-way delay: 132.590 ms

Loss rate: 0.00%

Run 2: Report of QUIC Cubic — Data Link



Run 3: Statistics of QUIC Cubic

Start at: 2019-02-05 13:22:13

End at: 2019-02-05 13:22:43

Local clock offset: -0.222 ms

Remote clock offset: 0.05 ms

Below is generated by plot.py at 2019-02-05 16:58:24

Datalink statistics

-- Total of 1 flow:

Average throughput: 59.04 Mbit/s

95th percentile per-packet one-way delay: 132.737 ms

Loss rate: 0.00%

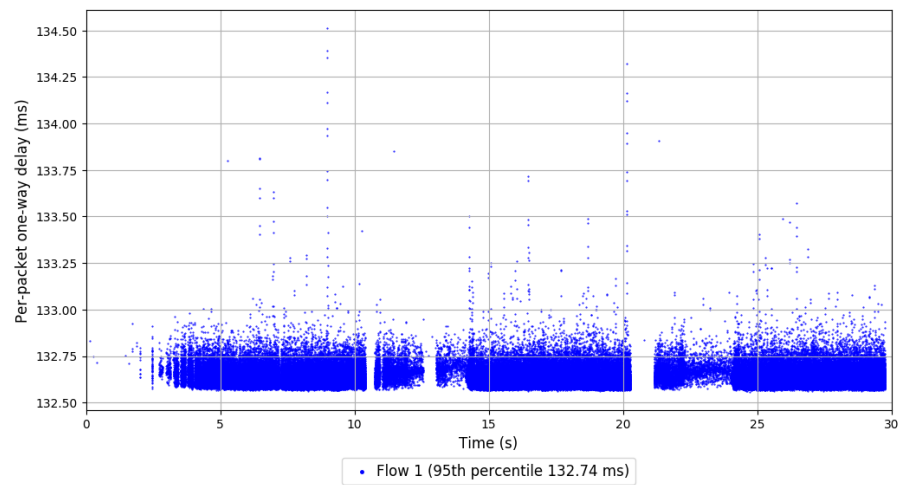
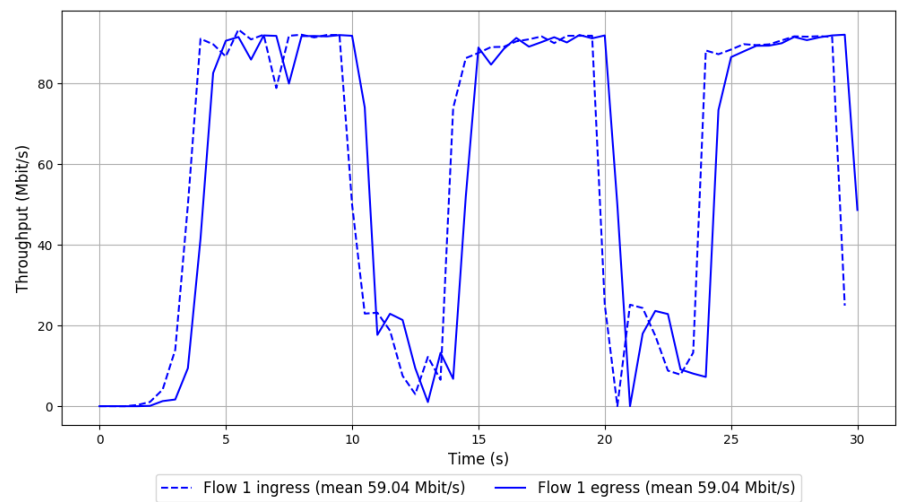
-- Flow 1:

Average throughput: 59.04 Mbit/s

95th percentile per-packet one-way delay: 132.737 ms

Loss rate: 0.00%

Run 3: Report of QUIC Cubic — Data Link



Run 4: Statistics of QUIC Cubic

Start at: 2019-02-05 13:54:07

End at: 2019-02-05 13:54:37

Local clock offset: -0.239 ms

Remote clock offset: 0.072 ms

Below is generated by plot.py at 2019-02-05 16:58:24

Datalink statistics

-- Total of 1 flow:

Average throughput: 58.71 Mbit/s

95th percentile per-packet one-way delay: 132.507 ms

Loss rate: 0.00%

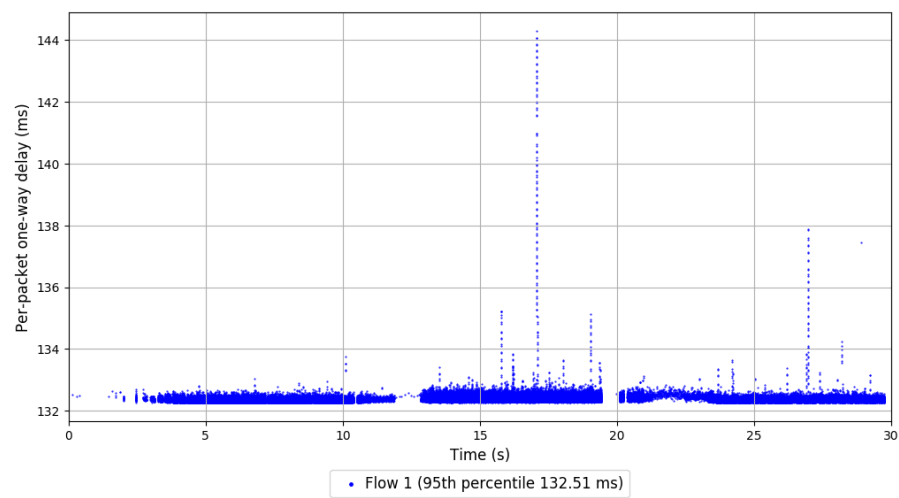
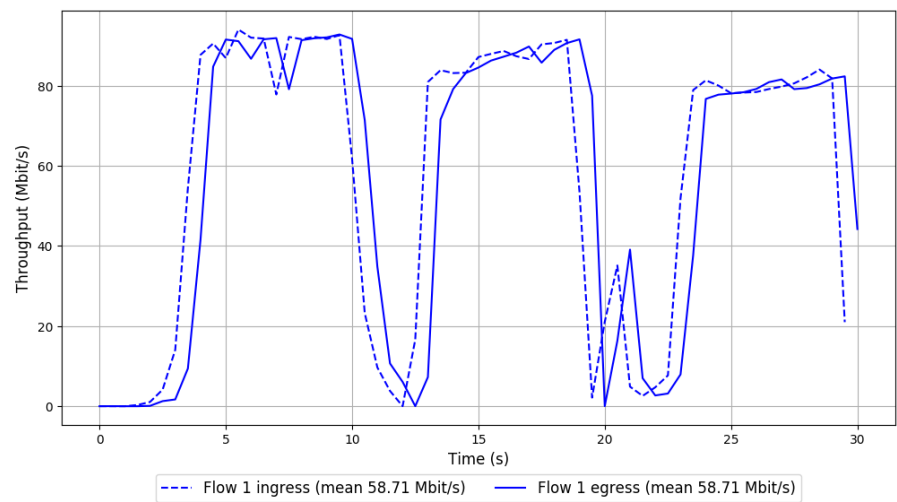
-- Flow 1:

Average throughput: 58.71 Mbit/s

95th percentile per-packet one-way delay: 132.507 ms

Loss rate: 0.00%

Run 4: Report of QUIC Cubic — Data Link



Run 5: Statistics of QUIC Cubic

Start at: 2019-02-05 14:25:52

End at: 2019-02-05 14:26:22

Local clock offset: 0.003 ms

Remote clock offset: -0.325 ms

Below is generated by plot.py at 2019-02-05 16:58:24

Datalink statistics

-- Total of 1 flow:

Average throughput: 49.47 Mbit/s

95th percentile per-packet one-way delay: 132.083 ms

Loss rate: 0.00%

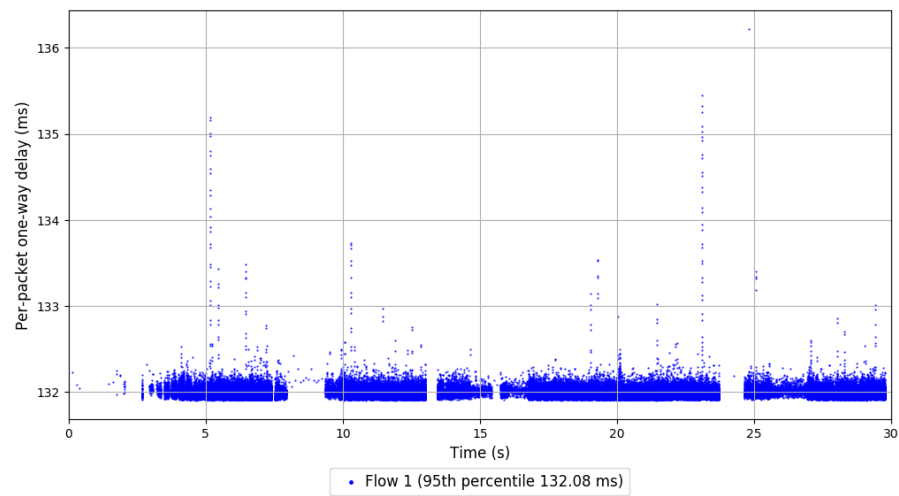
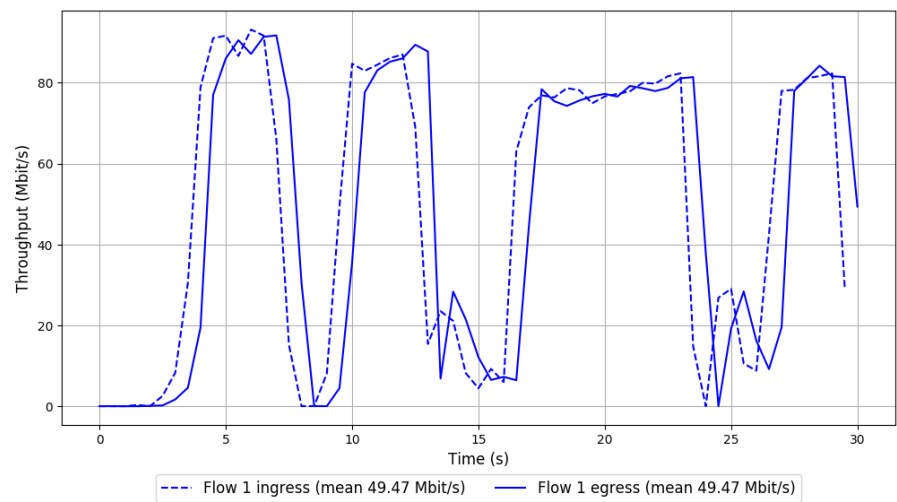
-- Flow 1:

Average throughput: 49.47 Mbit/s

95th percentile per-packet one-way delay: 132.083 ms

Loss rate: 0.00%

Run 5: Report of QUIC Cubic — Data Link



Run 1: Statistics of SCReAM

Start at: 2019-02-05 12:18:53

End at: 2019-02-05 12:19:23

Local clock offset: 0.402 ms

Remote clock offset: 0.053 ms

Below is generated by plot.py at 2019-02-05 16:58:24

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.15 Mbit/s

95th percentile per-packet one-way delay: 132.301 ms

Loss rate: 0.00%

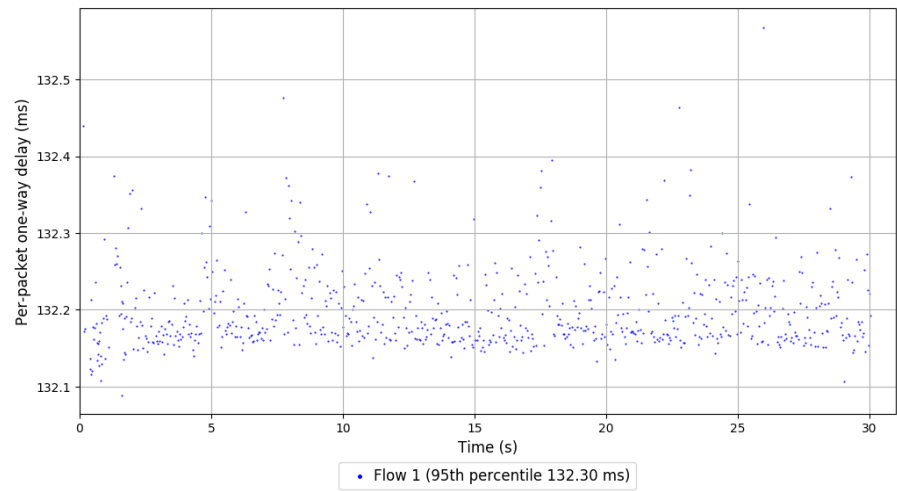
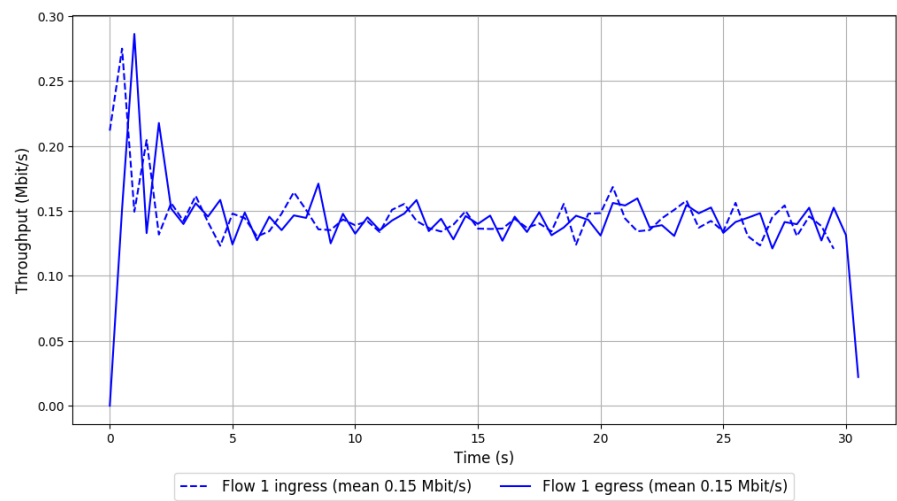
-- Flow 1:

Average throughput: 0.15 Mbit/s

95th percentile per-packet one-way delay: 132.301 ms

Loss rate: 0.00%

Run 1: Report of SReAM — Data Link

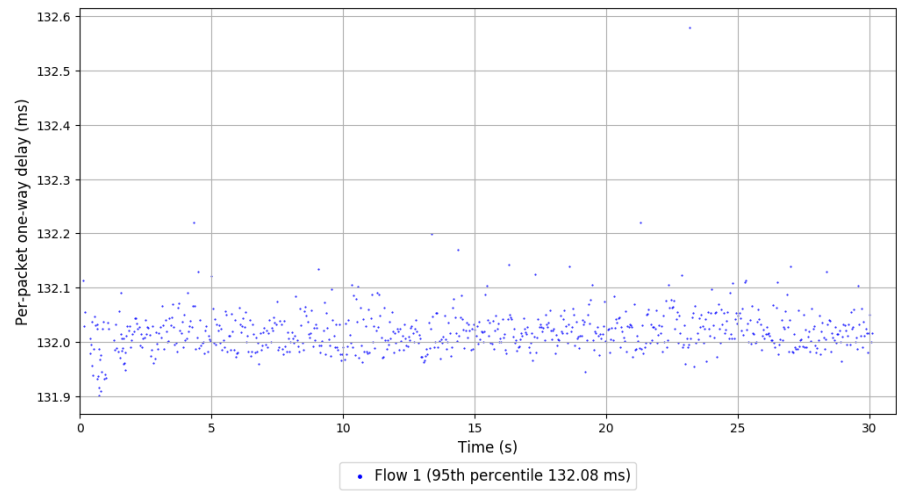
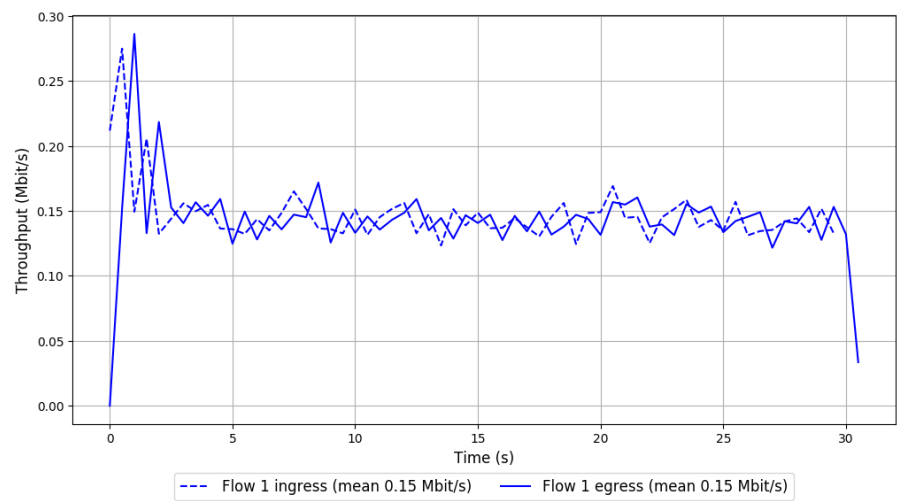


Run 2: Statistics of SCReAM

Start at: 2019-02-05 12:51:00
End at: 2019-02-05 12:51:30
Local clock offset: 0.218 ms
Remote clock offset: -0.332 ms

Below is generated by plot.py at 2019-02-05 16:58:24
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.15 Mbit/s
95th percentile per-packet one-way delay: 132.084 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.15 Mbit/s
95th percentile per-packet one-way delay: 132.084 ms
Loss rate: 0.00%

Run 2: Report of SReAM — Data Link



Run 3: Statistics of SCReAM

Start at: 2019-02-05 13:23:28

End at: 2019-02-05 13:23:58

Local clock offset: 0.395 ms

Remote clock offset: 0.002 ms

Below is generated by plot.py at 2019-02-05 16:58:24

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.14 Mbit/s

95th percentile per-packet one-way delay: 131.886 ms

Loss rate: 0.00%

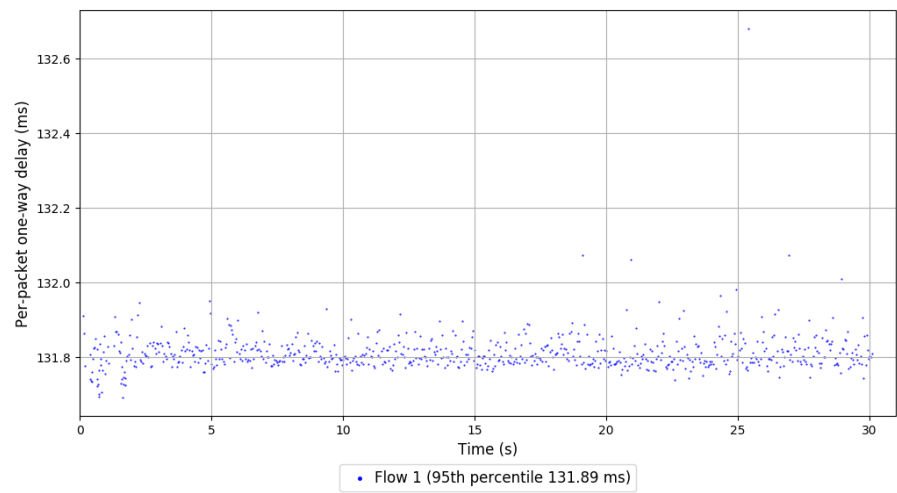
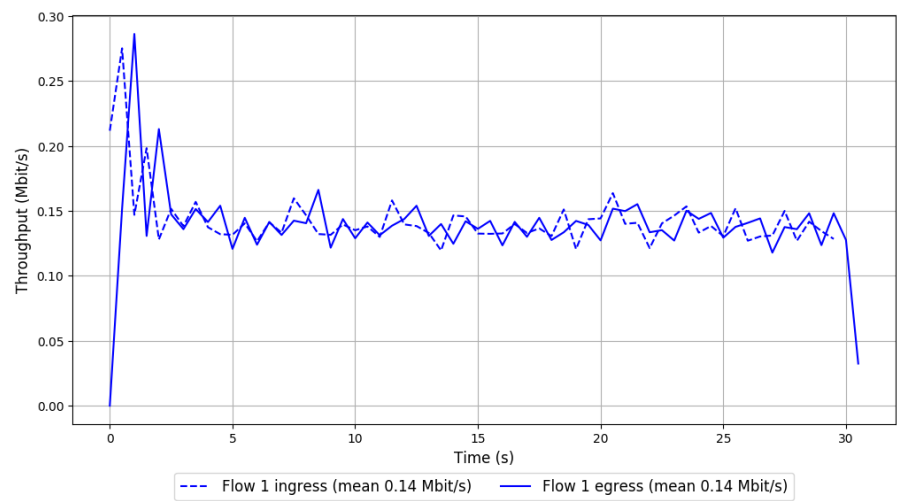
-- Flow 1:

Average throughput: 0.14 Mbit/s

95th percentile per-packet one-way delay: 131.886 ms

Loss rate: 0.00%

Run 3: Report of SReAM — Data Link



Run 4: Statistics of SCReAM

Start at: 2019-02-05 13:55:21

End at: 2019-02-05 13:55:51

Local clock offset: -0.023 ms

Remote clock offset: 0.006 ms

Below is generated by plot.py at 2019-02-05 16:58:24

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.15 Mbit/s

95th percentile per-packet one-way delay: 132.632 ms

Loss rate: 0.00%

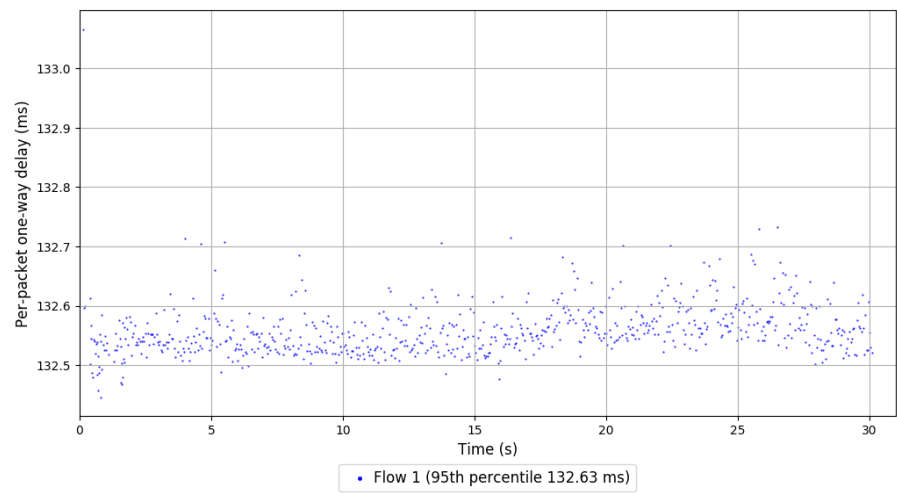
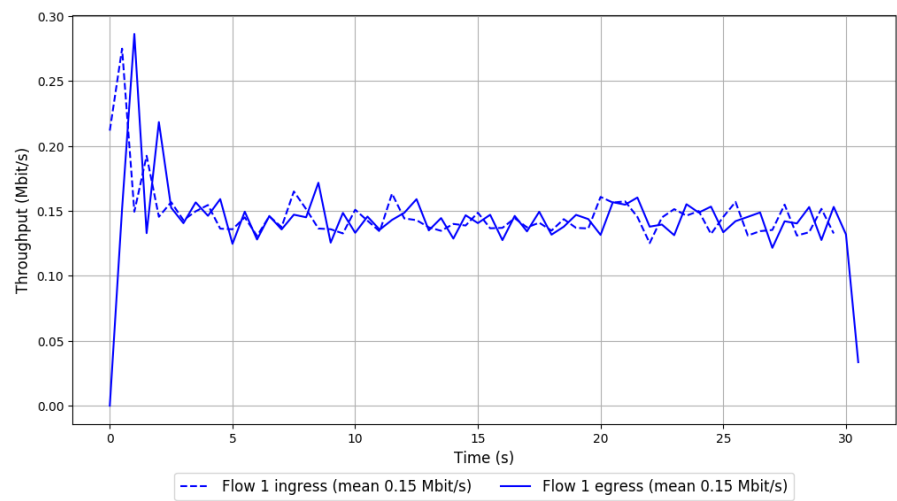
-- Flow 1:

Average throughput: 0.15 Mbit/s

95th percentile per-packet one-way delay: 132.632 ms

Loss rate: 0.00%

Run 4: Report of SReAM — Data Link

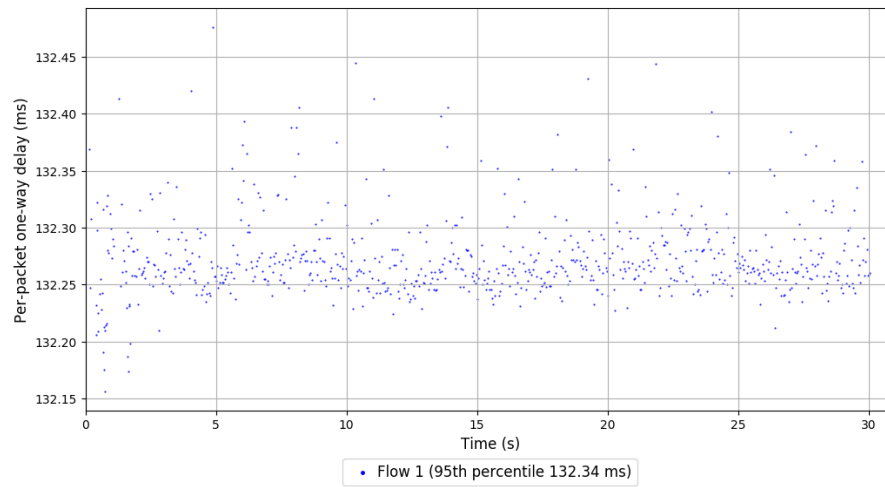
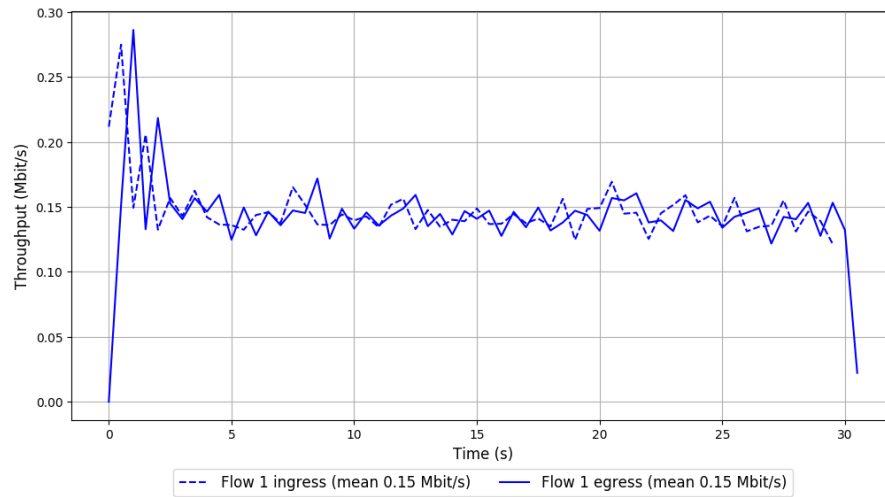


Run 5: Statistics of SCReAM

Start at: 2019-02-05 14:27:06
End at: 2019-02-05 14:27:36
Local clock offset: -0.259 ms
Remote clock offset: -0.437 ms

Below is generated by plot.py at 2019-02-05 16:58:24
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.15 Mbit/s
95th percentile per-packet one-way delay: 132.345 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.15 Mbit/s
95th percentile per-packet one-way delay: 132.345 ms
Loss rate: 0.00%

Run 5: Report of SReAM — Data Link

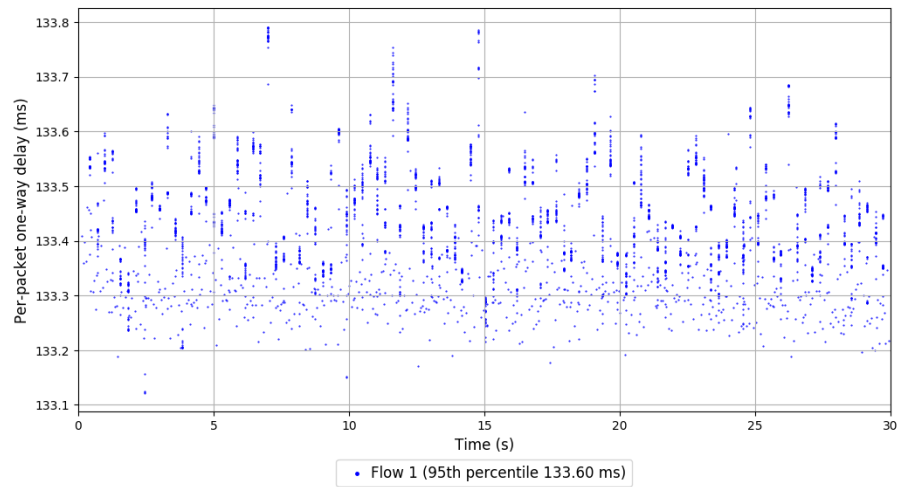
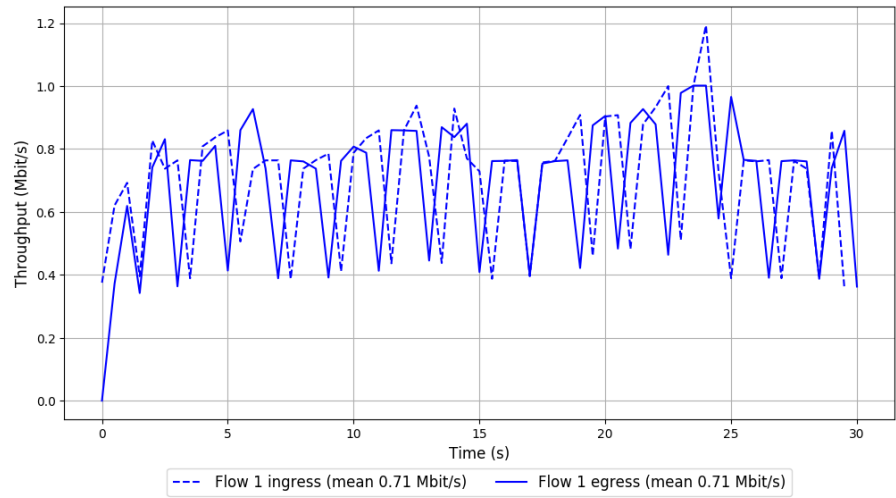


Run 1: Statistics of Sprout

Start at: 2019-02-05 12:23:18
End at: 2019-02-05 12:23:48
Local clock offset: -0.441 ms
Remote clock offset: -0.289 ms

Below is generated by plot.py at 2019-02-05 16:58:24
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.71 Mbit/s
95th percentile per-packet one-way delay: 133.601 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.71 Mbit/s
95th percentile per-packet one-way delay: 133.601 ms
Loss rate: 0.00%

Run 1: Report of Sprout — Data Link

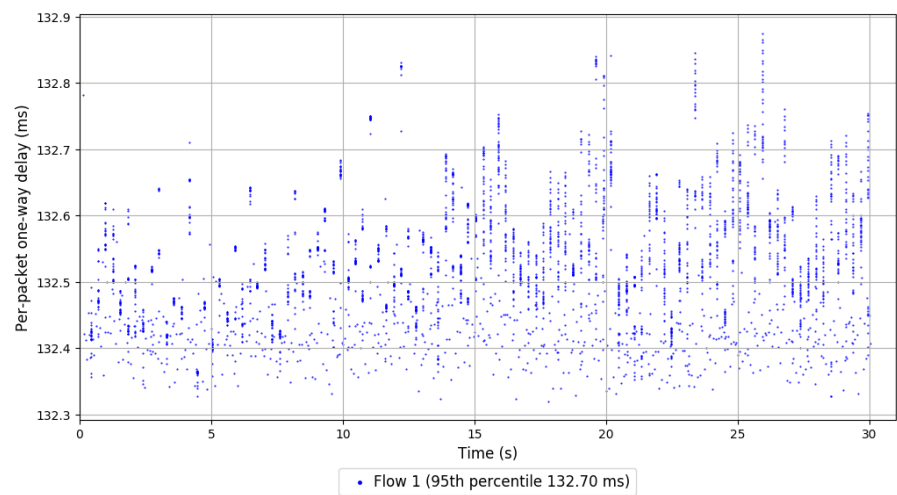
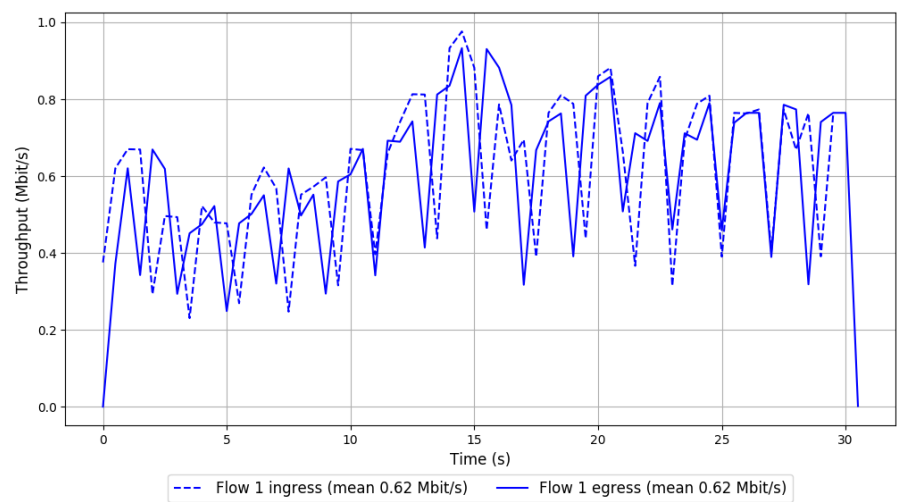


Run 2: Statistics of Sprout

Start at: 2019-02-05 12:55:50
End at: 2019-02-05 12:56:20
Local clock offset: 0.203 ms
Remote clock offset: 0.099 ms

Below is generated by plot.py at 2019-02-05 16:58:24
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.62 Mbit/s
95th percentile per-packet one-way delay: 132.697 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.62 Mbit/s
95th percentile per-packet one-way delay: 132.697 ms
Loss rate: 0.00%

Run 2: Report of Sprout — Data Link



Run 3: Statistics of Sprout

Start at: 2019-02-05 13:28:03

End at: 2019-02-05 13:28:33

Local clock offset: 0.028 ms

Remote clock offset: 0.397 ms

Below is generated by plot.py at 2019-02-05 16:58:24

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.69 Mbit/s

95th percentile per-packet one-way delay: 133.868 ms

Loss rate: 0.00%

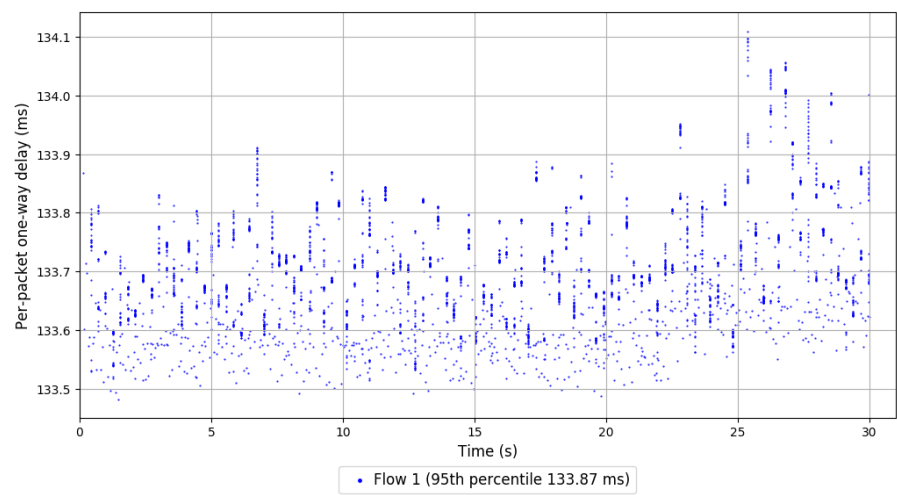
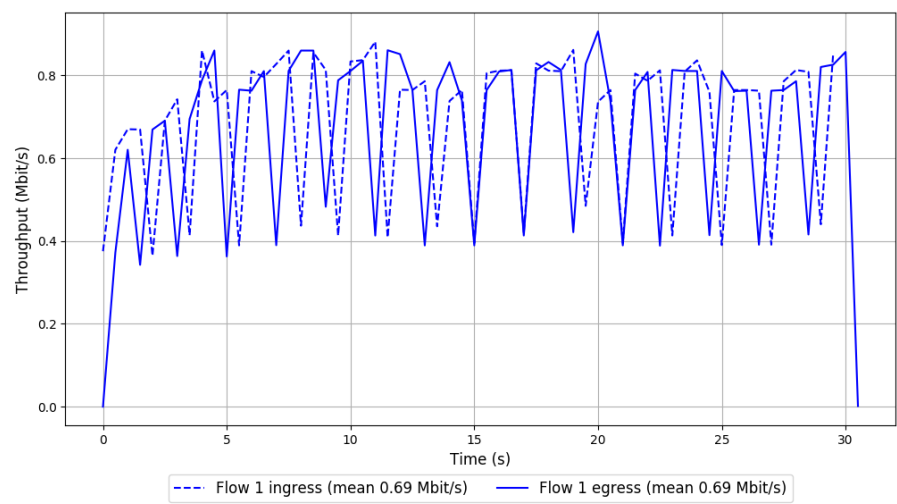
-- Flow 1:

Average throughput: 0.69 Mbit/s

95th percentile per-packet one-way delay: 133.868 ms

Loss rate: 0.00%

Run 3: Report of Sprout — Data Link



Run 4: Statistics of Sprout

Start at: 2019-02-05 13:59:56

End at: 2019-02-05 14:00:26

Local clock offset: 0.111 ms

Remote clock offset: 0.022 ms

Below is generated by plot.py at 2019-02-05 16:58:24

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.73 Mbit/s

95th percentile per-packet one-way delay: 133.405 ms

Loss rate: 0.00%

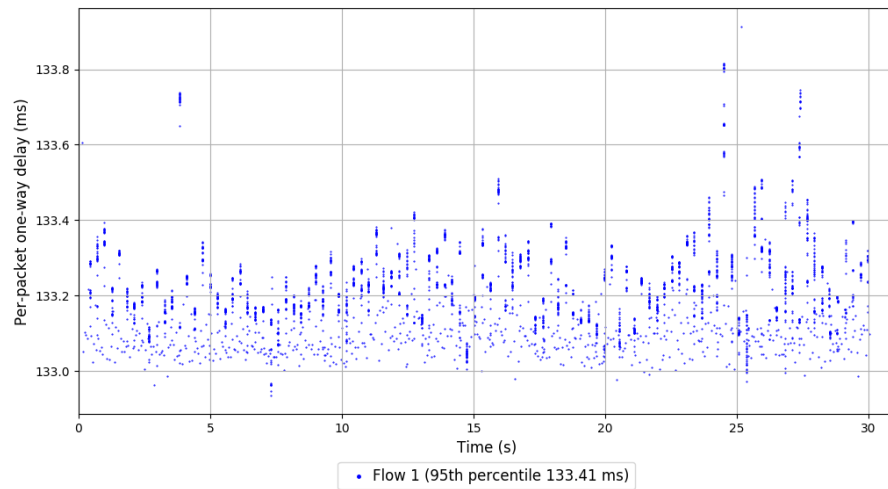
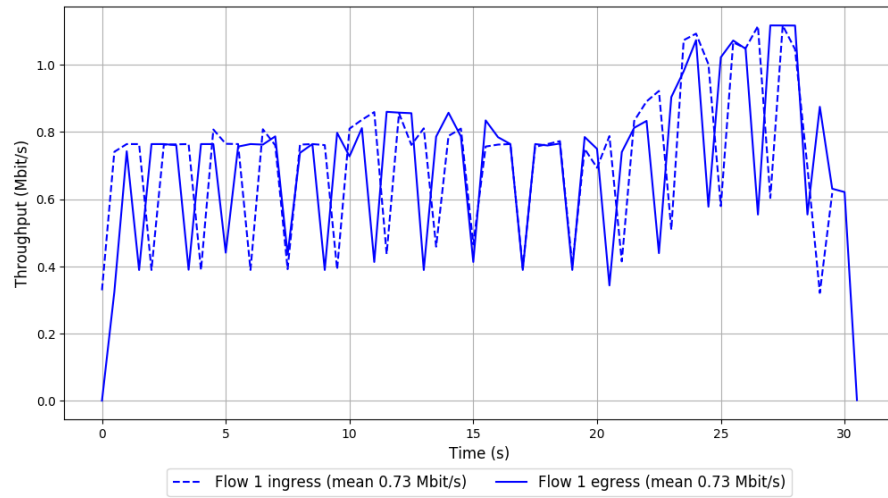
-- Flow 1:

Average throughput: 0.73 Mbit/s

95th percentile per-packet one-way delay: 133.405 ms

Loss rate: 0.00%

Run 4: Report of Sprout — Data Link

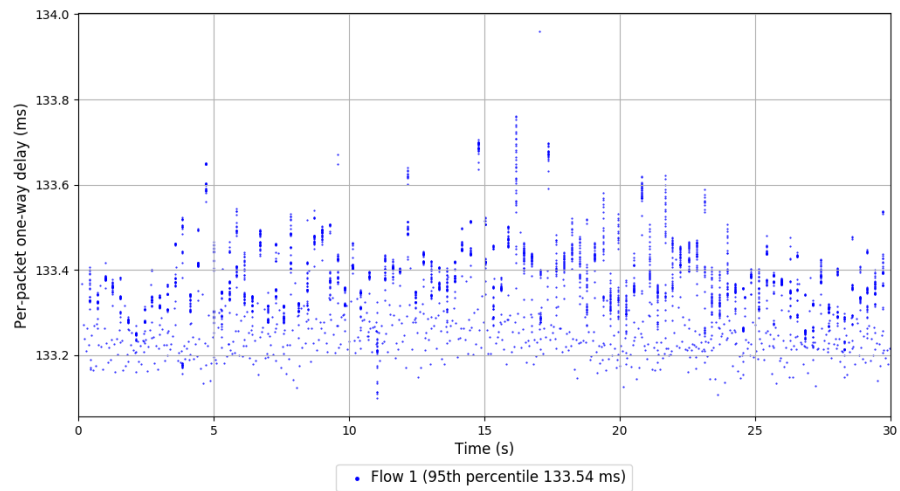
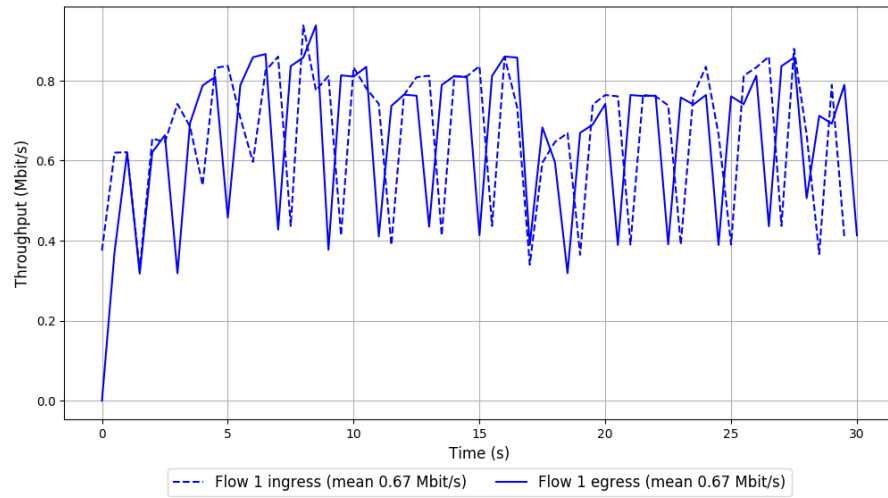


Run 5: Statistics of Sprout

Start at: 2019-02-05 14:31:45
End at: 2019-02-05 14:32:15
Local clock offset: -0.104 ms
Remote clock offset: -0.036 ms

Below is generated by plot.py at 2019-02-05 16:58:24
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.67 Mbit/s
95th percentile per-packet one-way delay: 133.537 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.67 Mbit/s
95th percentile per-packet one-way delay: 133.537 ms
Loss rate: 0.00%

Run 5: Report of Sprout — Data Link

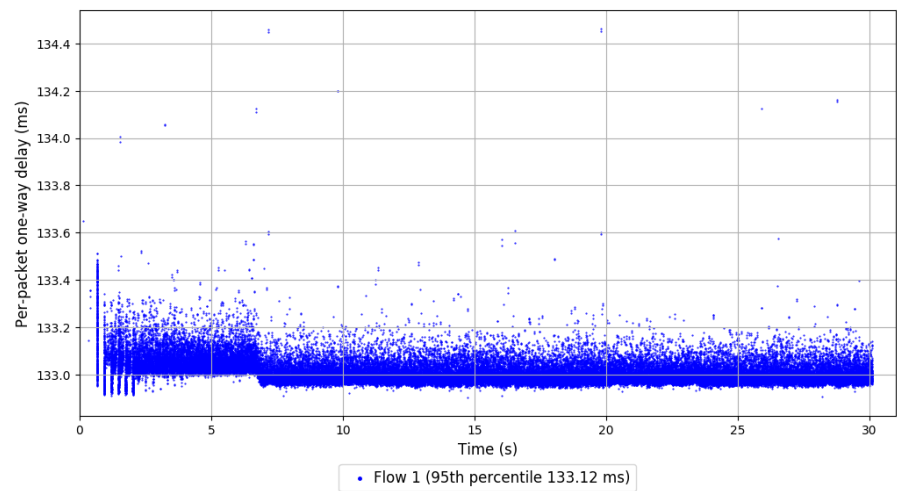
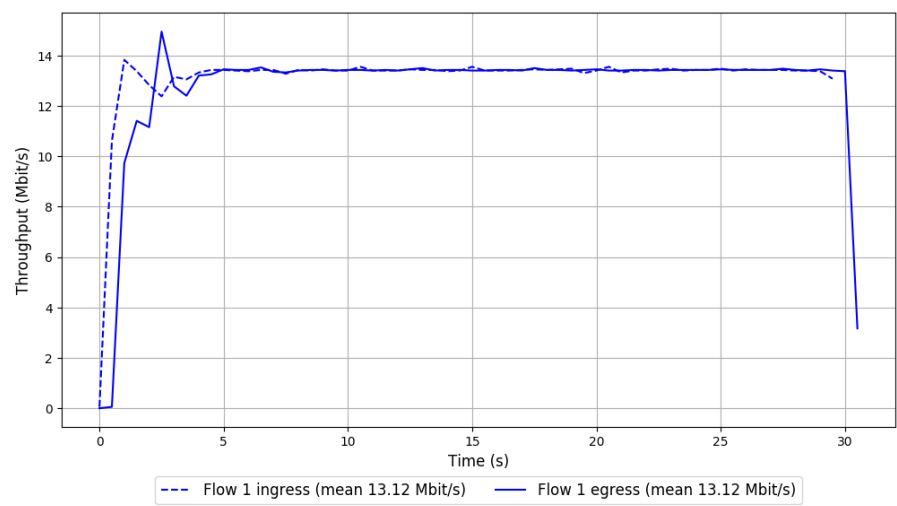


```
Run 1: Statistics of TaoVA-100x

Start at: 2019-02-05 12:24:29
End at: 2019-02-05 12:24:59
Local clock offset: -0.018 ms
Remote clock offset: 0.031 ms

# Below is generated by plot.py at 2019-02-05 16:58:24
# Datalink statistics
-- Total of 1 flow:
Average throughput: 13.12 Mbit/s
95th percentile per-packet one-way delay: 133.122 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 13.12 Mbit/s
95th percentile per-packet one-way delay: 133.122 ms
Loss rate: 0.00%
```

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



Run 2: Statistics of TaoVA-100x

Start at: 2019-02-05 12:57:01

End at: 2019-02-05 12:57:31

Local clock offset: -0.339 ms

Remote clock offset: 0.165 ms

Below is generated by plot.py at 2019-02-05 16:58:24

Datalink statistics

-- Total of 1 flow:

Average throughput: 13.25 Mbit/s

95th percentile per-packet one-way delay: 132.734 ms

Loss rate: 0.00%

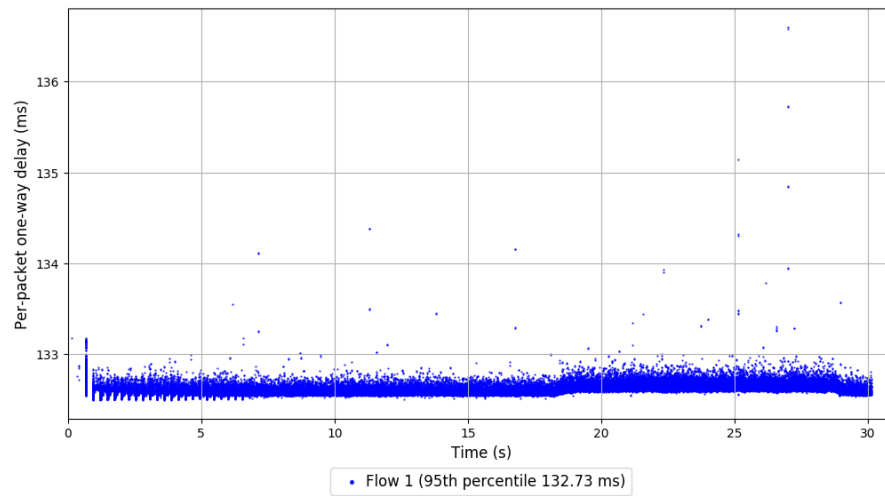
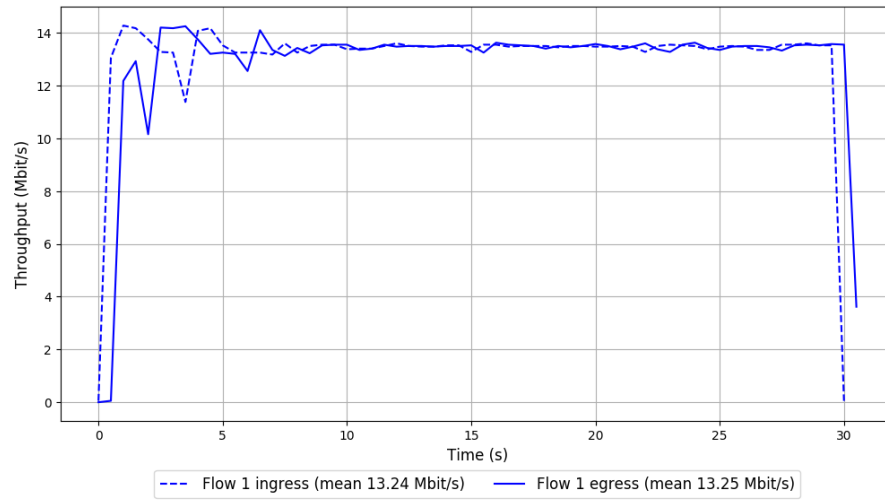
-- Flow 1:

Average throughput: 13.25 Mbit/s

95th percentile per-packet one-way delay: 132.734 ms

Loss rate: 0.00%

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



Run 3: Statistics of TaoVA-100x

Start at: 2019-02-05 13:29:13

End at: 2019-02-05 13:29:44

Local clock offset: 0.019 ms

Remote clock offset: 0.095 ms

Below is generated by plot.py at 2019-02-05 16:58:24

Datalink statistics

-- Total of 1 flow:

Average throughput: 199.15 Mbit/s

95th percentile per-packet one-way delay: 132.772 ms

Loss rate: 0.00%

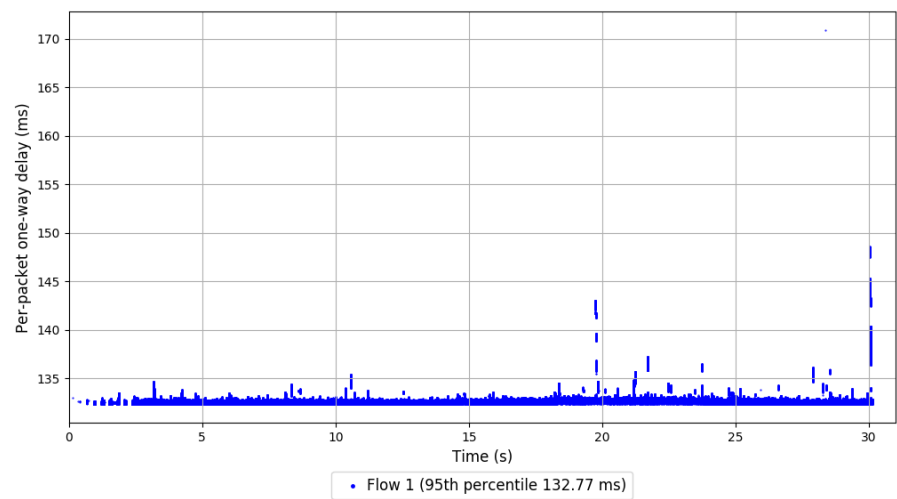
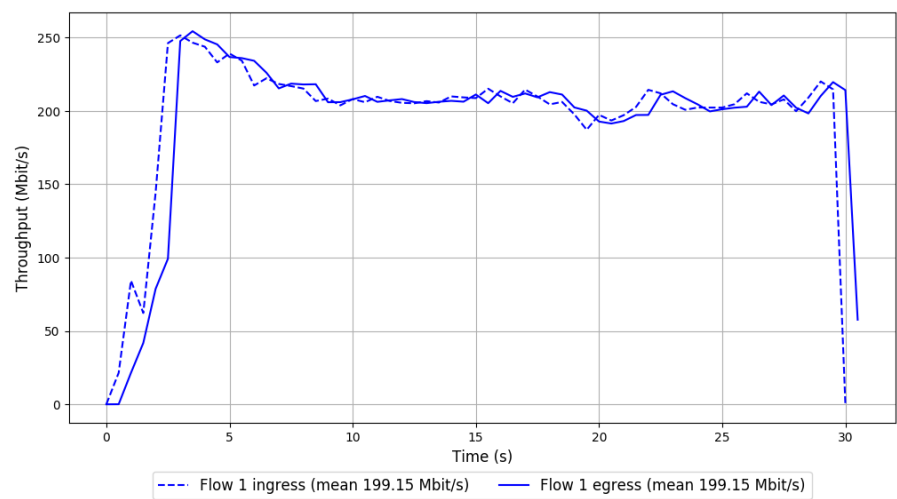
-- Flow 1:

Average throughput: 199.15 Mbit/s

95th percentile per-packet one-way delay: 132.772 ms

Loss rate: 0.00%

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

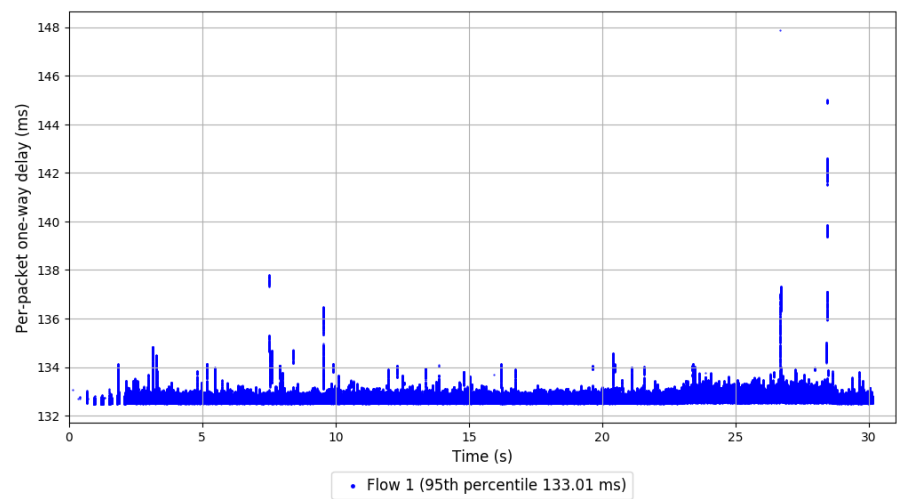
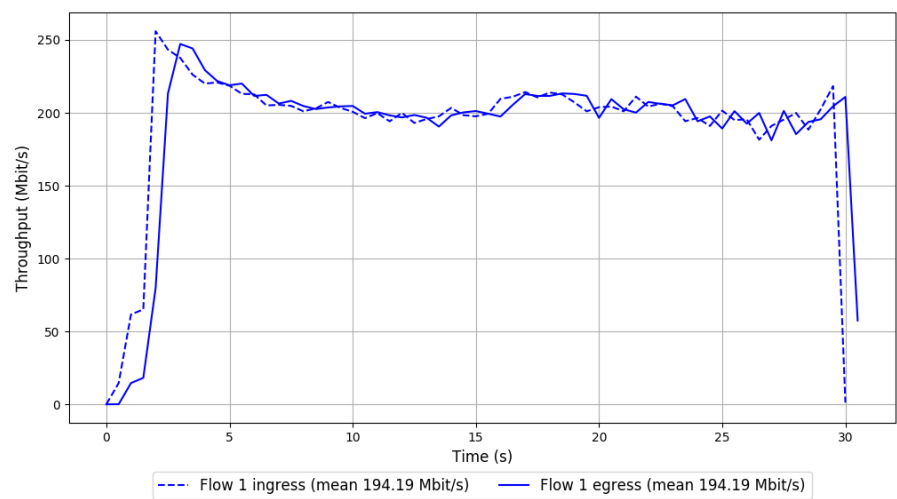


Run 4: Statistics of TaoVA-100x

Start at: 2019-02-05 14:01:06
End at: 2019-02-05 14:01:36
Local clock offset: -0.264 ms
Remote clock offset: -0.024 ms

Below is generated by plot.py at 2019-02-05 16:58:24
Datalink statistics
-- Total of 1 flow:
Average throughput: 194.19 Mbit/s
95th percentile per-packet one-way delay: 133.013 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 194.19 Mbit/s
95th percentile per-packet one-way delay: 133.013 ms
Loss rate: 0.00%

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



Run 5: Statistics of TaoVA-100x

Start at: 2019-02-05 14:32:56

End at: 2019-02-05 14:33:26

Local clock offset: -0.1 ms

Remote clock offset: -0.01 ms

Below is generated by plot.py at 2019-02-05 16:58:24

Datalink statistics

-- Total of 1 flow:

Average throughput: 202.78 Mbit/s

95th percentile per-packet one-way delay: 132.370 ms

Loss rate: 0.00%

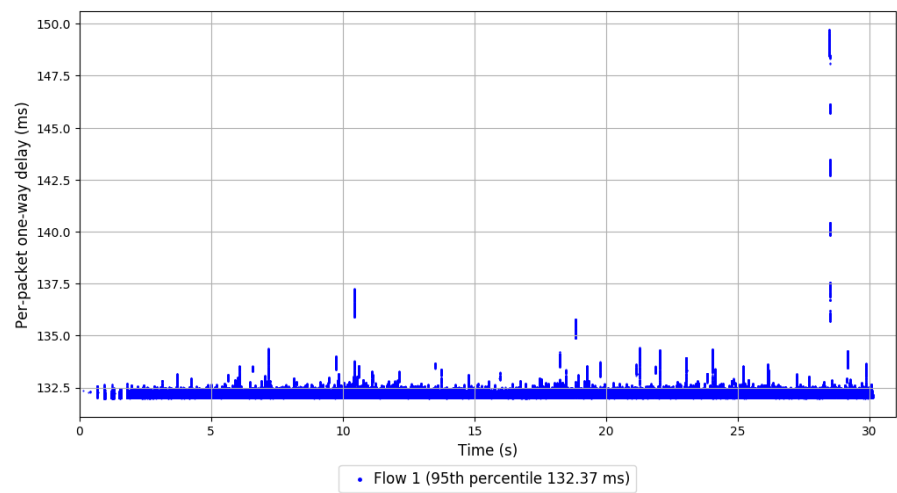
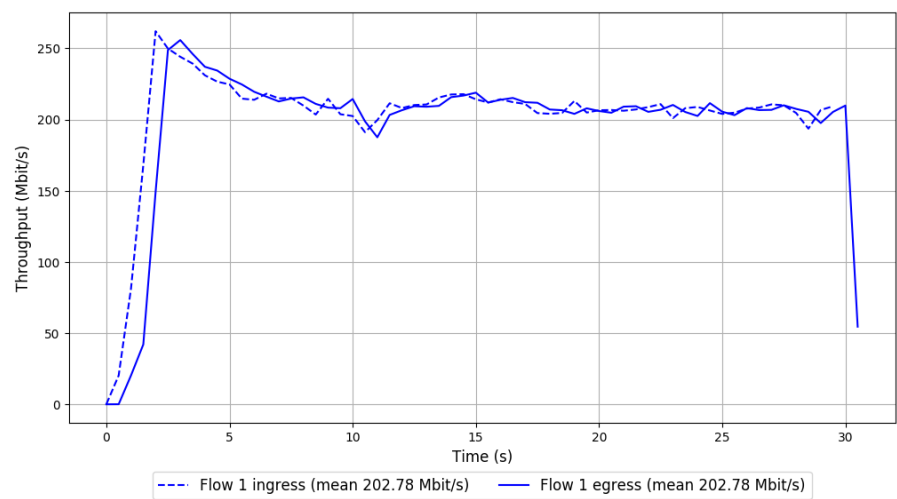
-- Flow 1:

Average throughput: 202.78 Mbit/s

95th percentile per-packet one-way delay: 132.370 ms

Loss rate: 0.00%

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



Run 1: Statistics of TCP Vegas

Start at: 2019-02-05 12:30:36

End at: 2019-02-05 12:31:06

Local clock offset: 0.443 ms

Remote clock offset: 0.091 ms

Below is generated by plot.py at 2019-02-05 17:00:04

Datalink statistics

-- Total of 1 flow:

Average throughput: 487.58 Mbit/s

95th percentile per-packet one-way delay: 170.004 ms

Loss rate: 0.00%

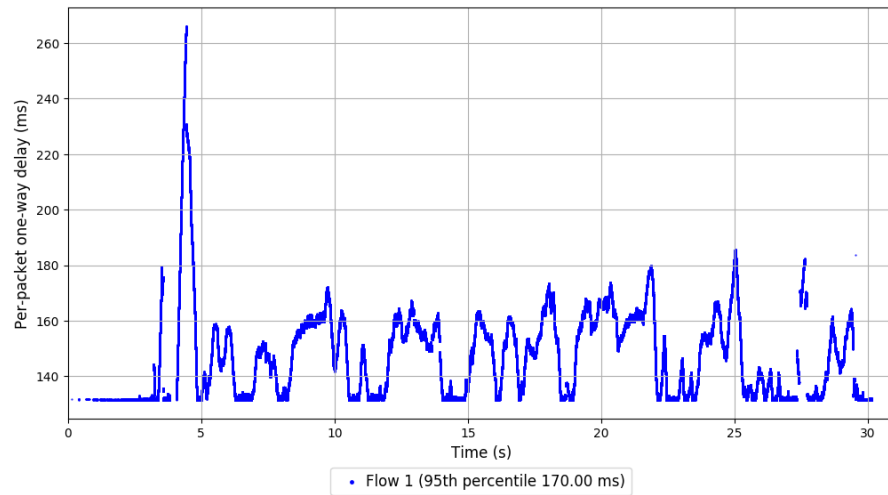
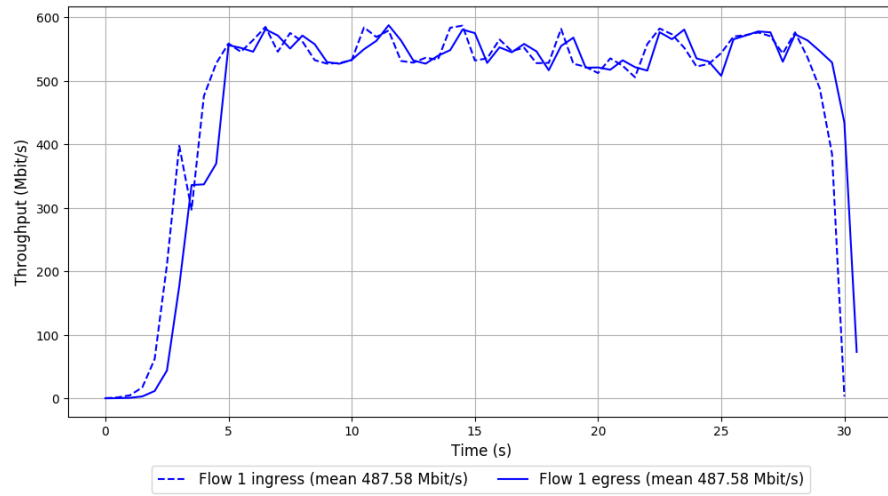
-- Flow 1:

Average throughput: 487.58 Mbit/s

95th percentile per-packet one-way delay: 170.004 ms

Loss rate: 0.00%

Run 1: Report of TCP Vegas — Data Link

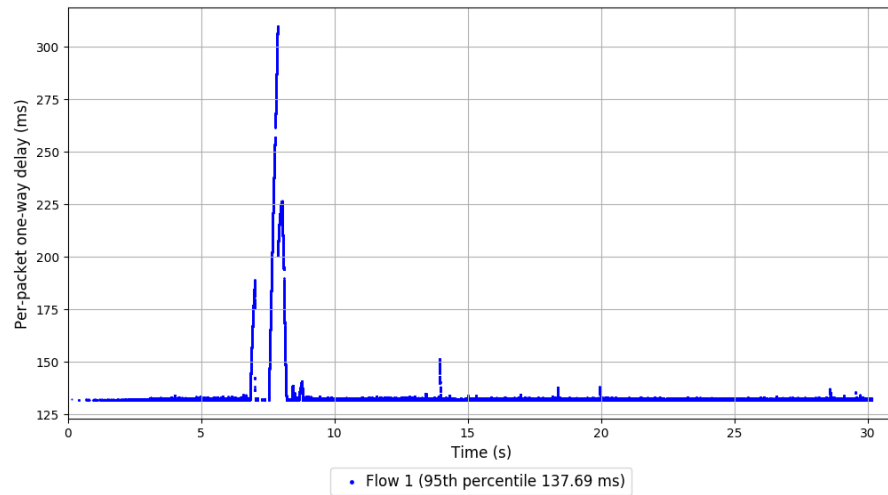
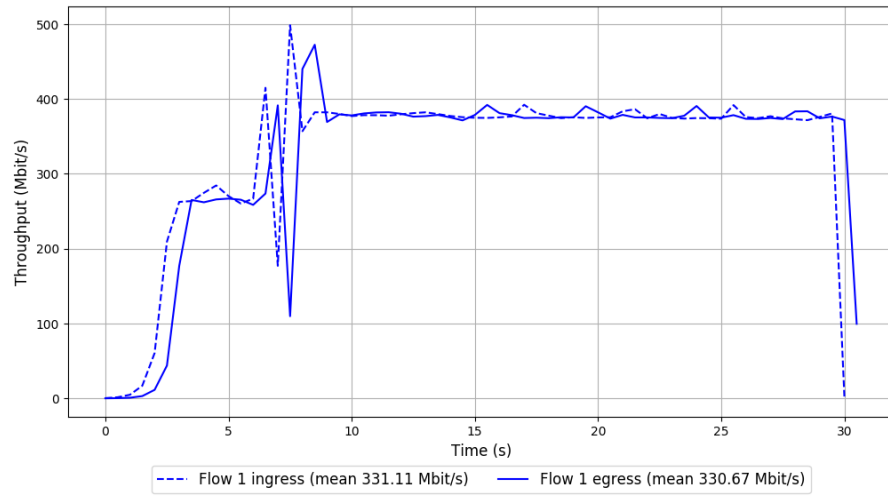


Run 2: Statistics of TCP Vegas

Start at: 2019-02-05 13:03:24
End at: 2019-02-05 13:03:54
Local clock offset: 0.289 ms
Remote clock offset: -0.237 ms

Below is generated by plot.py at 2019-02-05 17:00:04
Datalink statistics
-- Total of 1 flow:
Average throughput: 330.67 Mbit/s
95th percentile per-packet one-way delay: 137.687 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 330.67 Mbit/s
95th percentile per-packet one-way delay: 137.687 ms
Loss rate: 0.13%

Run 2: Report of TCP Vegas — Data Link



Run 3: Statistics of TCP Vegas

Start at: 2019-02-05 13:35:41

End at: 2019-02-05 13:36:11

Local clock offset: -0.032 ms

Remote clock offset: 0.09 ms

Below is generated by plot.py at 2019-02-05 17:01:22

Datalink statistics

-- Total of 1 flow:

Average throughput: 435.04 Mbit/s

95th percentile per-packet one-way delay: 161.594 ms

Loss rate: 0.54%

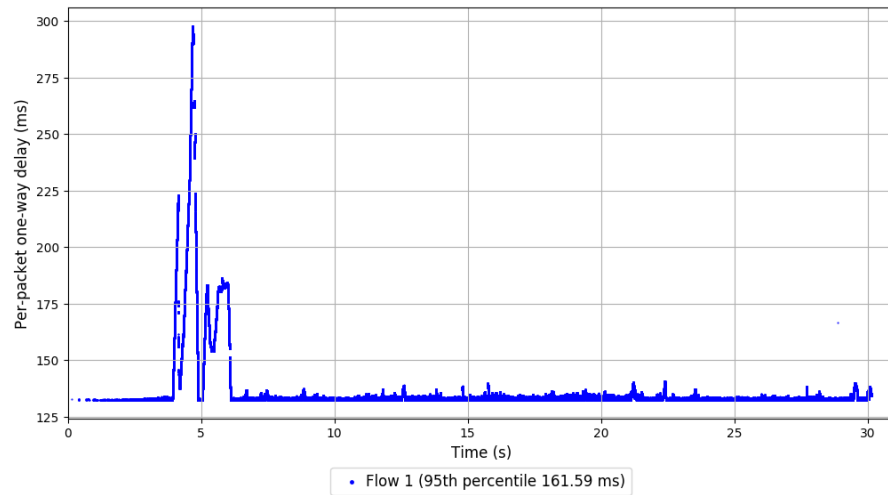
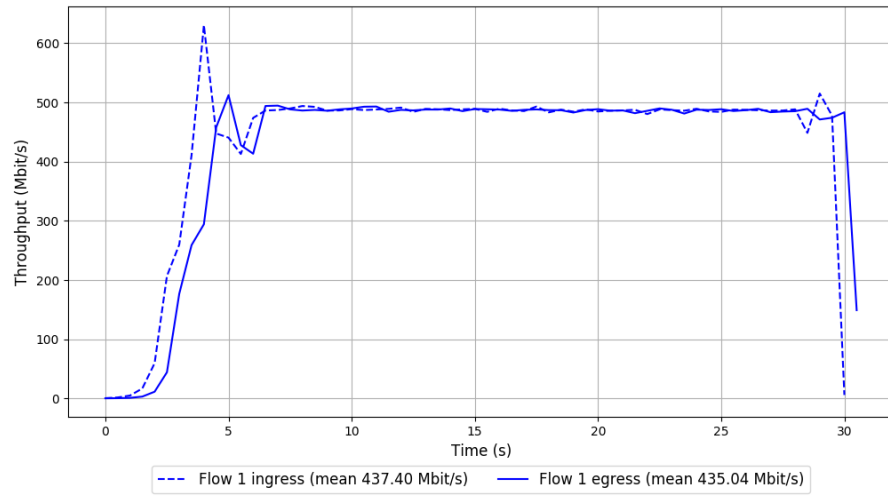
-- Flow 1:

Average throughput: 435.04 Mbit/s

95th percentile per-packet one-way delay: 161.594 ms

Loss rate: 0.54%

Run 3: Report of TCP Vegas — Data Link

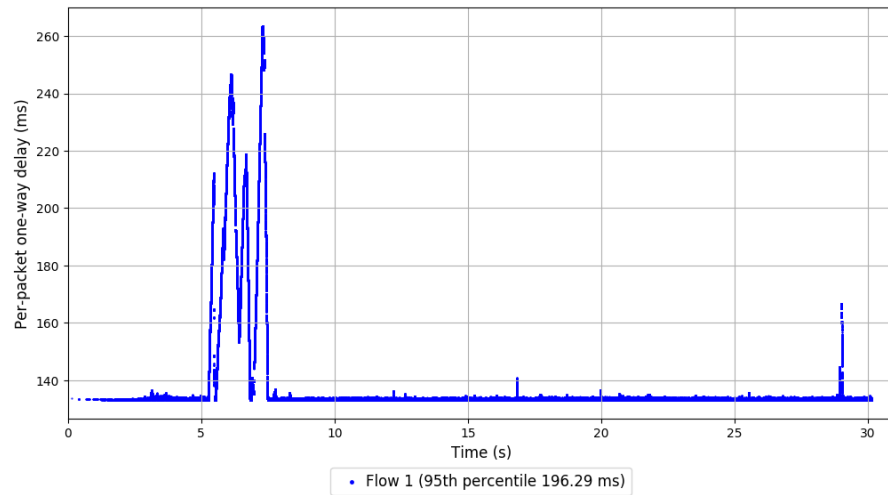
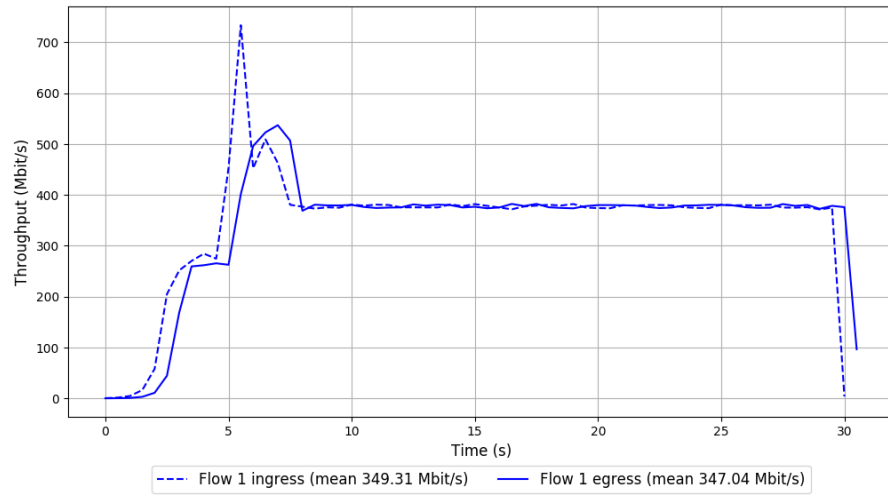


Run 4: Statistics of TCP Vegas

Start at: 2019-02-05 14:07:31
End at: 2019-02-05 14:08:01
Local clock offset: -0.11 ms
Remote clock offset: -0.002 ms

Below is generated by plot.py at 2019-02-05 17:04:48
Datalink statistics
-- Total of 1 flow:
Average throughput: 347.04 Mbit/s
95th percentile per-packet one-way delay: 196.289 ms
Loss rate: 0.65%
-- Flow 1:
Average throughput: 347.04 Mbit/s
95th percentile per-packet one-way delay: 196.289 ms
Loss rate: 0.65%

Run 4: Report of TCP Vegas — Data Link



Run 5: Statistics of TCP Vegas

Start at: 2019-02-05 14:39:23

End at: 2019-02-05 14:39:53

Local clock offset: -0.469 ms

Remote clock offset: 0.038 ms

Below is generated by plot.py at 2019-02-05 17:05:01

Datalink statistics

-- Total of 1 flow:

Average throughput: 350.72 Mbit/s

95th percentile per-packet one-way delay: 185.781 ms

Loss rate: 0.92%

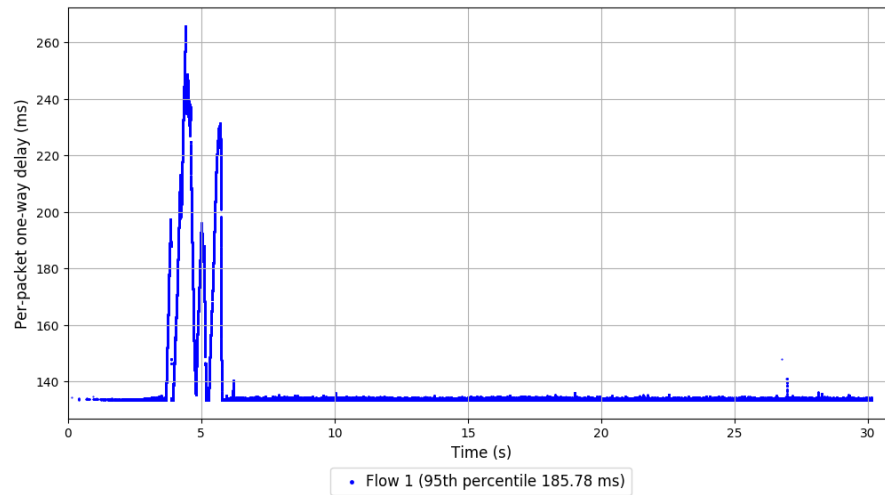
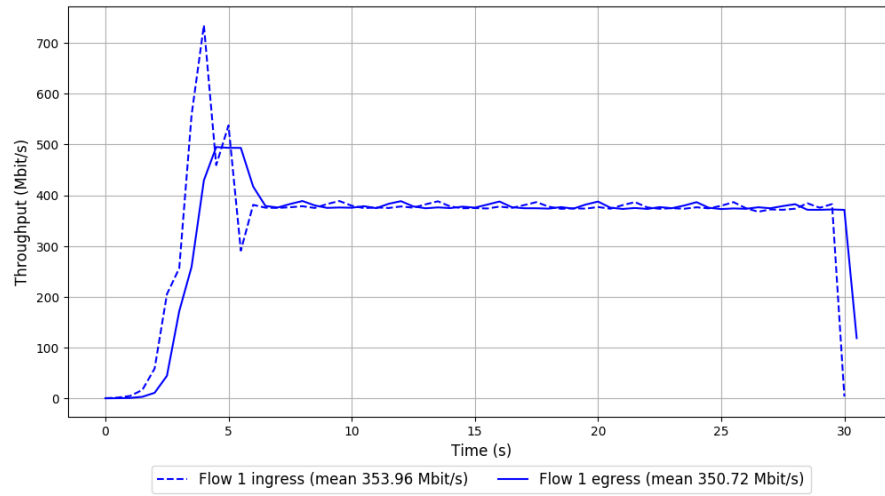
-- Flow 1:

Average throughput: 350.72 Mbit/s

95th percentile per-packet one-way delay: 185.781 ms

Loss rate: 0.92%

Run 5: Report of TCP Vegas — Data Link



Run 1: Statistics of Verus

Start at: 2019-02-05 12:35:26

End at: 2019-02-05 12:35:56

Local clock offset: 0.146 ms

Remote clock offset: 0.114 ms

Below is generated by plot.py at 2019-02-05 17:05:01

Datalink statistics

-- Total of 1 flow:

Average throughput: 84.17 Mbit/s

95th percentile per-packet one-way delay: 181.810 ms

Loss rate: 0.00%

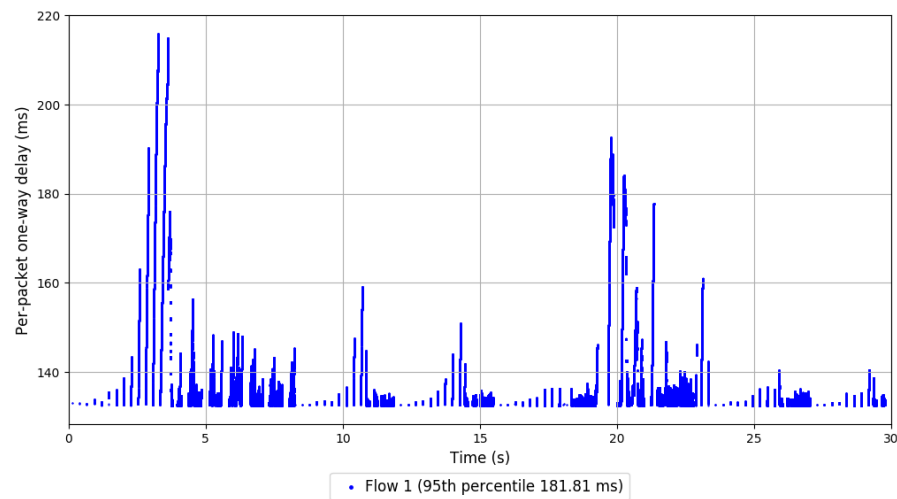
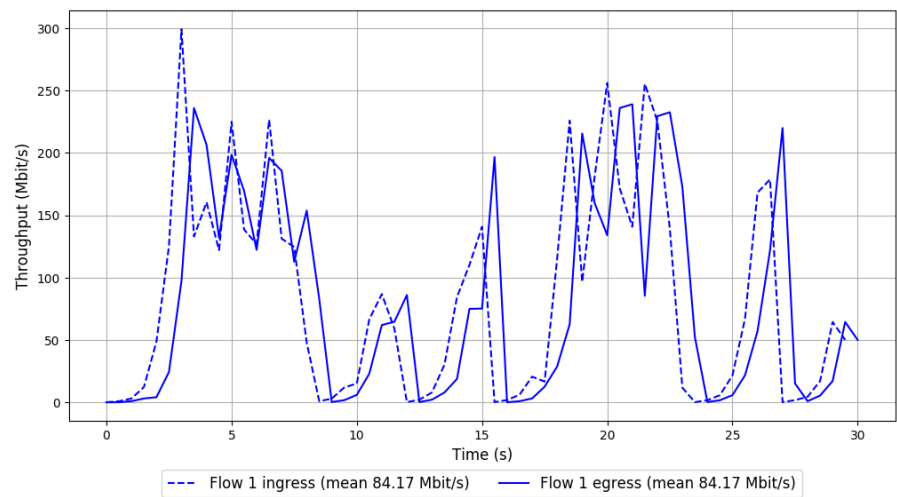
-- Flow 1:

Average throughput: 84.17 Mbit/s

95th percentile per-packet one-way delay: 181.810 ms

Loss rate: 0.00%

Run 1: Report of Verus — Data Link



Run 2: Statistics of Verus

Start at: 2019-02-05 13:08:13

End at: 2019-02-05 13:08:43

Local clock offset: 0.107 ms

Remote clock offset: 0.036 ms

Below is generated by plot.py at 2019-02-05 17:05:01

Datalink statistics

-- Total of 1 flow:

Average throughput: 92.72 Mbit/s

95th percentile per-packet one-way delay: 207.959 ms

Loss rate: 0.00%

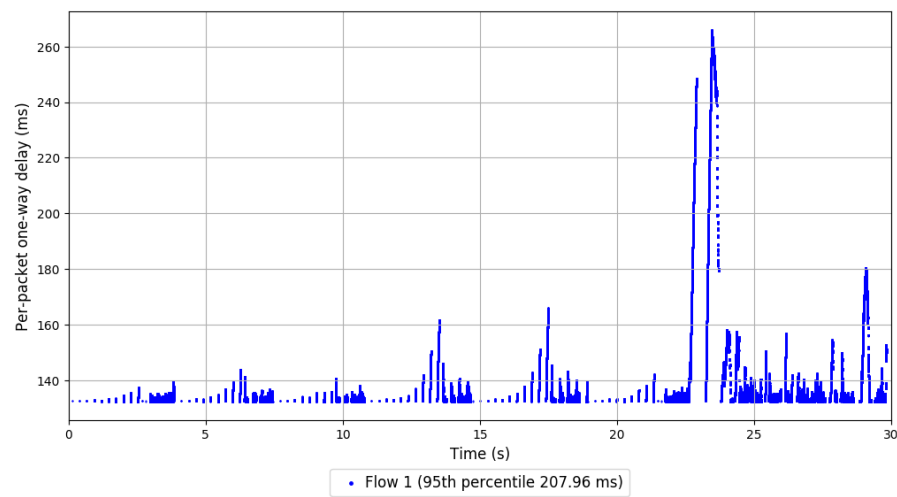
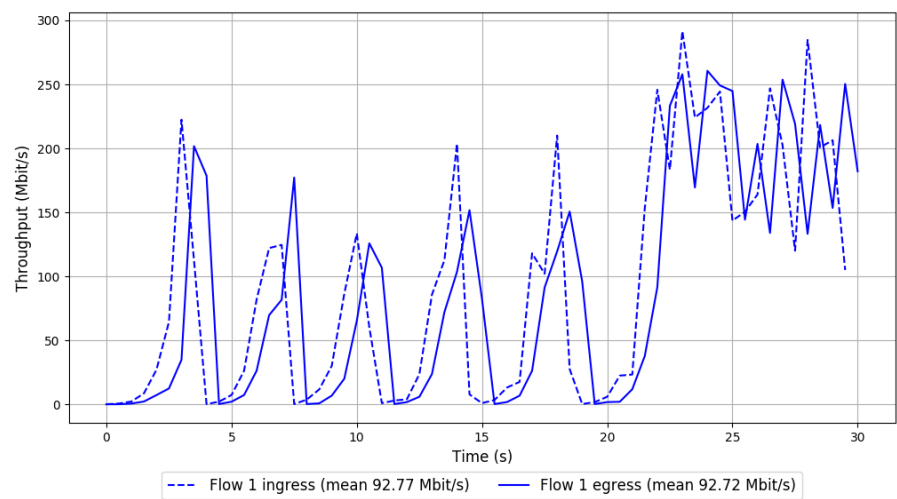
-- Flow 1:

Average throughput: 92.72 Mbit/s

95th percentile per-packet one-way delay: 207.959 ms

Loss rate: 0.00%

Run 2: Report of Verus — Data Link



Run 3: Statistics of Verus

Start at: 2019-02-05 13:40:24

End at: 2019-02-05 13:40:54

Local clock offset: 0.145 ms

Remote clock offset: 0.043 ms

Below is generated by plot.py at 2019-02-05 17:05:01

Datalink statistics

-- Total of 1 flow:

Average throughput: 68.04 Mbit/s

95th percentile per-packet one-way delay: 227.410 ms

Loss rate: 0.76%

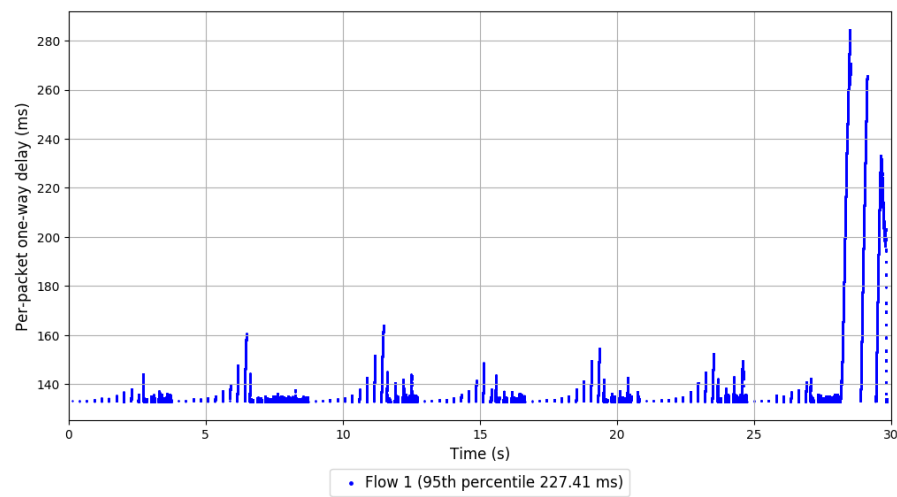
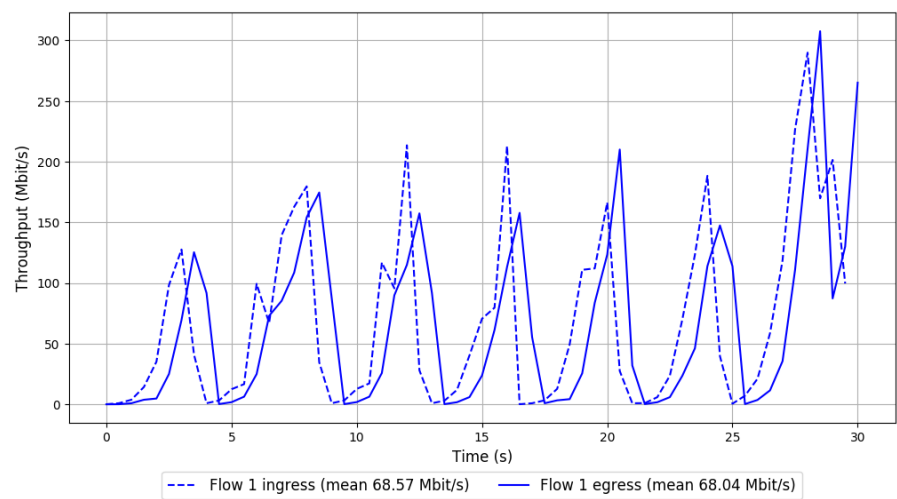
-- Flow 1:

Average throughput: 68.04 Mbit/s

95th percentile per-packet one-way delay: 227.410 ms

Loss rate: 0.76%

Run 3: Report of Verus — Data Link

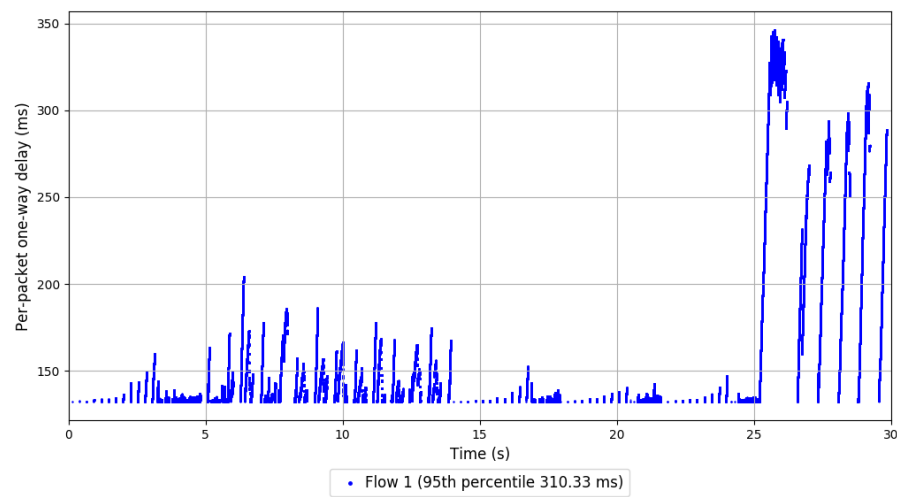
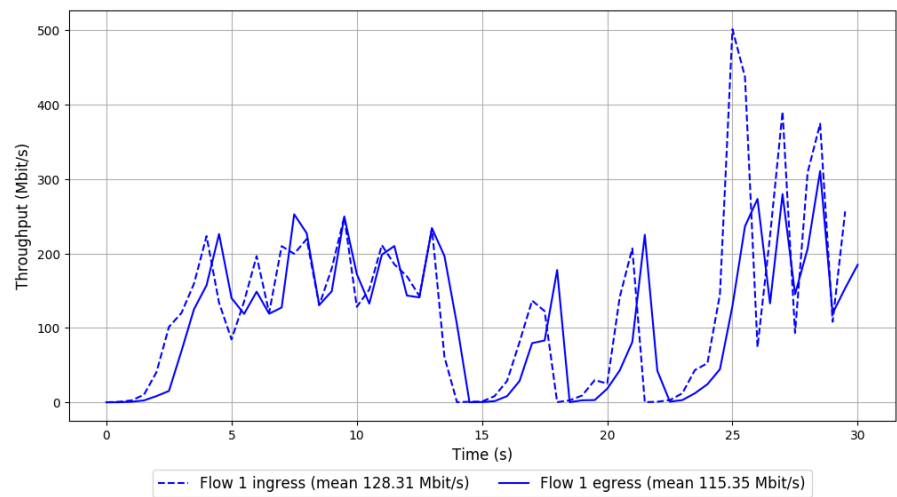


Run 4: Statistics of Verus

Start at: 2019-02-05 14:12:20
End at: 2019-02-05 14:12:50
Local clock offset: 0.322 ms
Remote clock offset: -0.014 ms

Below is generated by plot.py at 2019-02-05 17:05:01
Datalink statistics
-- Total of 1 flow:
Average throughput: 115.35 Mbit/s
95th percentile per-packet one-way delay: 310.332 ms
Loss rate: 10.08%
-- Flow 1:
Average throughput: 115.35 Mbit/s
95th percentile per-packet one-way delay: 310.332 ms
Loss rate: 10.08%

Run 4: Report of Verus — Data Link



Run 5: Statistics of Verus

Start at: 2019-02-05 14:44:09

End at: 2019-02-05 14:44:39

Local clock offset: 0.384 ms

Remote clock offset: 0.013 ms

Below is generated by plot.py at 2019-02-05 17:05:12

Datalink statistics

-- Total of 1 flow:

Average throughput: 120.65 Mbit/s

95th percentile per-packet one-way delay: 239.037 ms

Loss rate: 2.50%

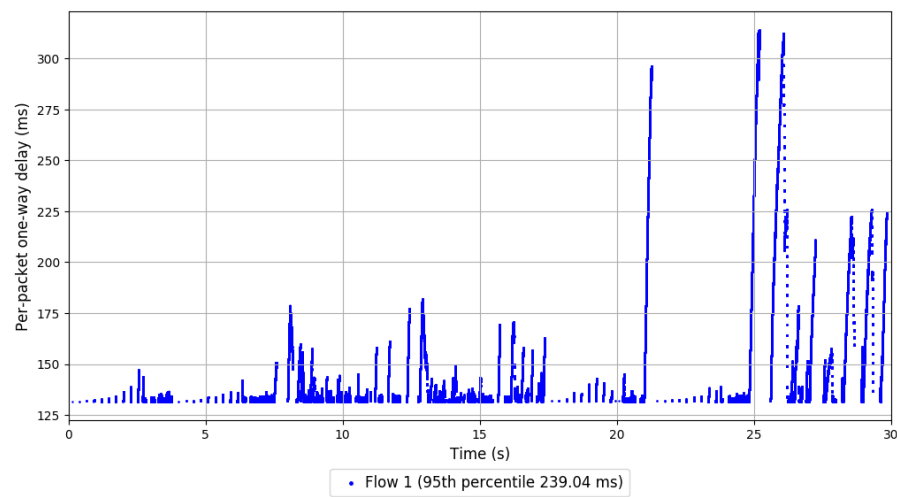
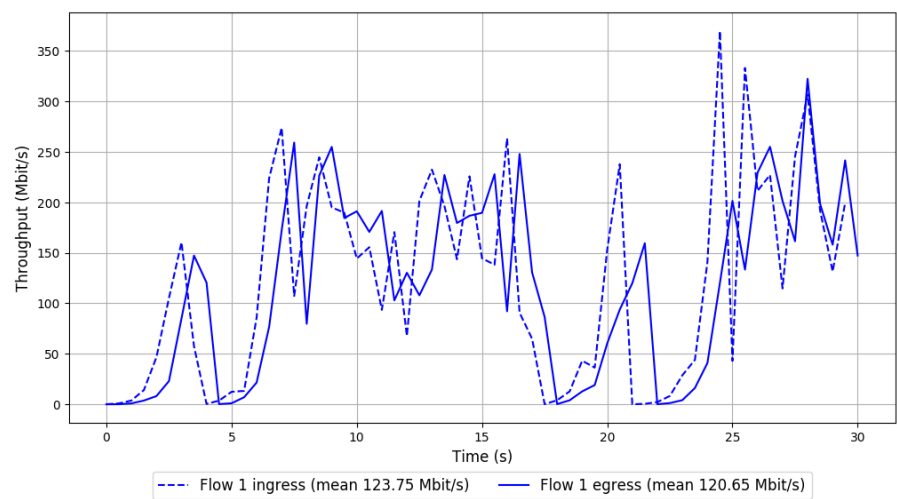
-- Flow 1:

Average throughput: 120.65 Mbit/s

95th percentile per-packet one-way delay: 239.037 ms

Loss rate: 2.50%

Run 5: Report of Verus — Data Link



Run 1: Statistics of PCC-Vivace

Start at: 2019-02-05 12:36:46

End at: 2019-02-05 12:37:16

Local clock offset: 0.035 ms

Remote clock offset: 0.132 ms

Below is generated by plot.py at 2019-02-05 17:07:44

Datalink statistics

-- Total of 1 flow:

Average throughput: 348.12 Mbit/s

95th percentile per-packet one-way delay: 133.128 ms

Loss rate: 0.00%

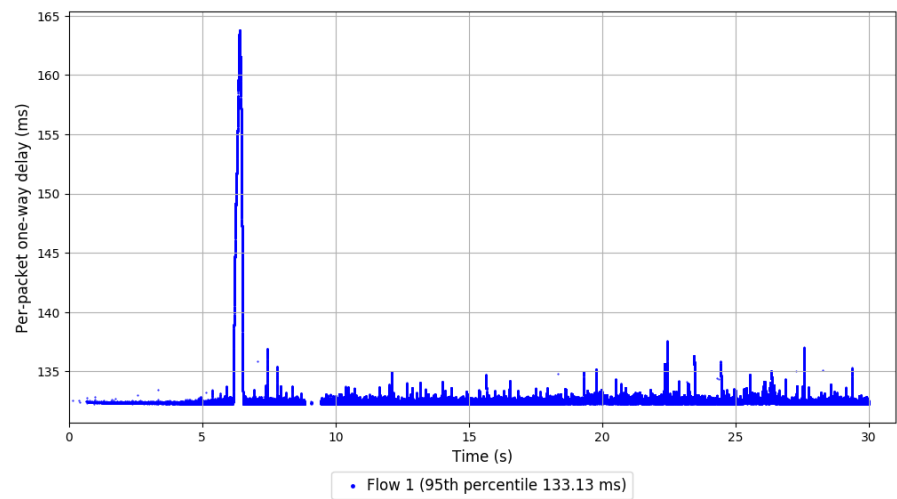
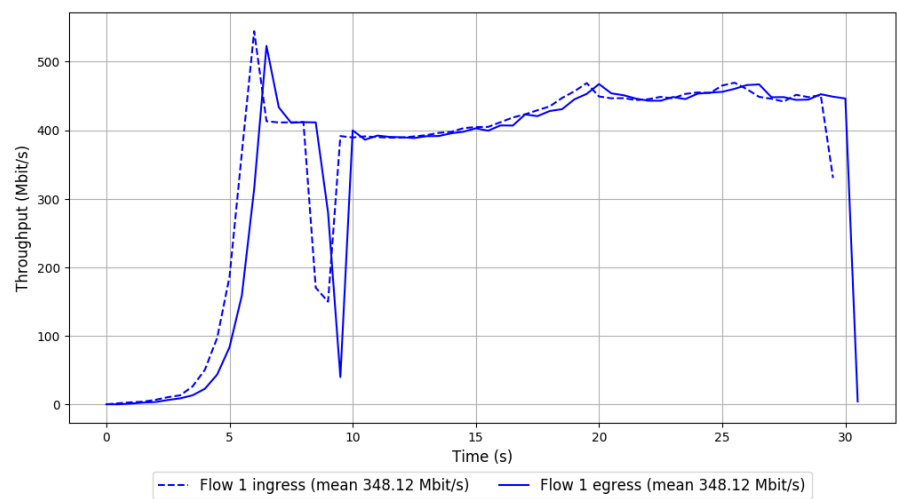
-- Flow 1:

Average throughput: 348.12 Mbit/s

95th percentile per-packet one-way delay: 133.128 ms

Loss rate: 0.00%

Run 1: Report of PCC-Vivace — Data Link



Run 2: Statistics of PCC-Vivace

Start at: 2019-02-05 13:09:34

End at: 2019-02-05 13:10:04

Local clock offset: 0.31 ms

Remote clock offset: -0.31 ms

Below is generated by plot.py at 2019-02-05 17:07:44

Datalink statistics

-- Total of 1 flow:

Average throughput: 321.98 Mbit/s

95th percentile per-packet one-way delay: 133.089 ms

Loss rate: 0.00%

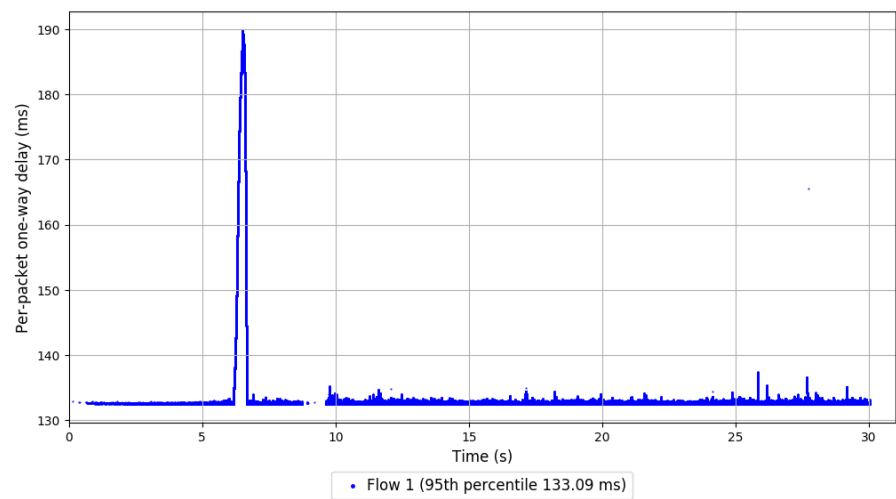
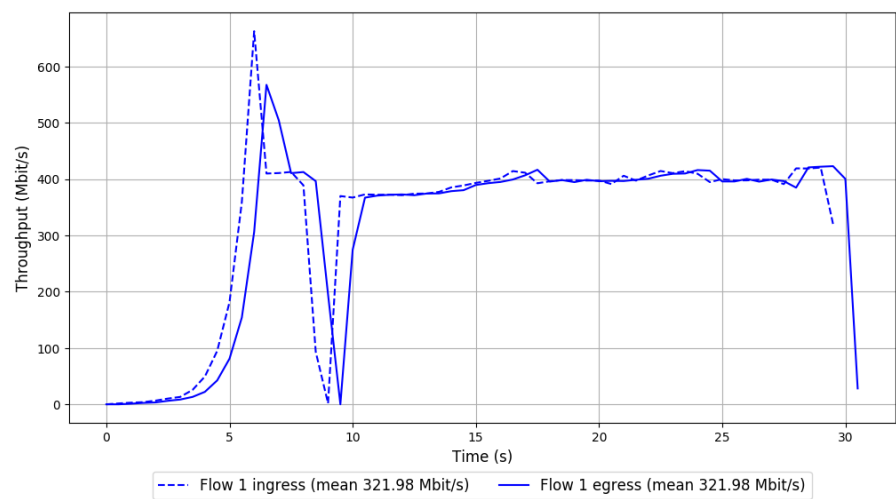
-- Flow 1:

Average throughput: 321.98 Mbit/s

95th percentile per-packet one-way delay: 133.089 ms

Loss rate: 0.00%

Run 2: Report of PCC-Vivace — Data Link



Run 3: Statistics of PCC-Vivace

Start at: 2019-02-05 13:41:42

End at: 2019-02-05 13:42:12

Local clock offset: -0.249 ms

Remote clock offset: 0.053 ms

Below is generated by plot.py at 2019-02-05 17:08:13

Datalink statistics

-- Total of 1 flow:

Average throughput: 368.08 Mbit/s

95th percentile per-packet one-way delay: 133.119 ms

Loss rate: 0.00%

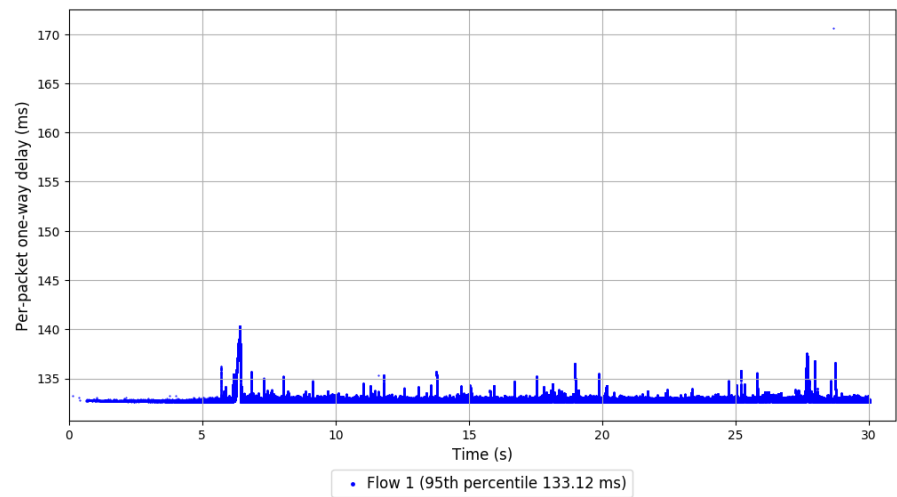
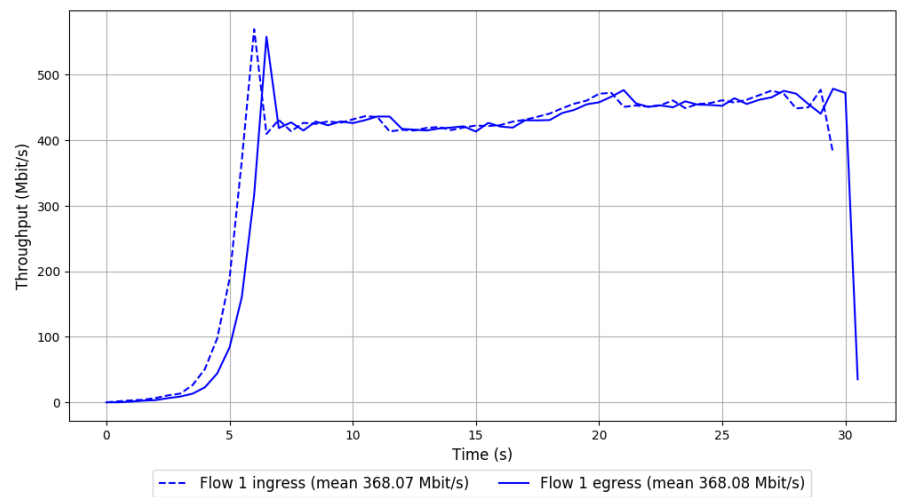
-- Flow 1:

Average throughput: 368.08 Mbit/s

95th percentile per-packet one-way delay: 133.119 ms

Loss rate: 0.00%

Run 3: Report of PCC-Vivace — Data Link



Run 4: Statistics of PCC-Vivace

Start at: 2019-02-05 14:13:44

End at: 2019-02-05 14:14:14

Local clock offset: 0.215 ms

Remote clock offset: -0.03 ms

Below is generated by plot.py at 2019-02-05 17:08:13

Datalink statistics

-- Total of 1 flow:

Average throughput: 351.18 Mbit/s

95th percentile per-packet one-way delay: 134.536 ms

Loss rate: 0.00%

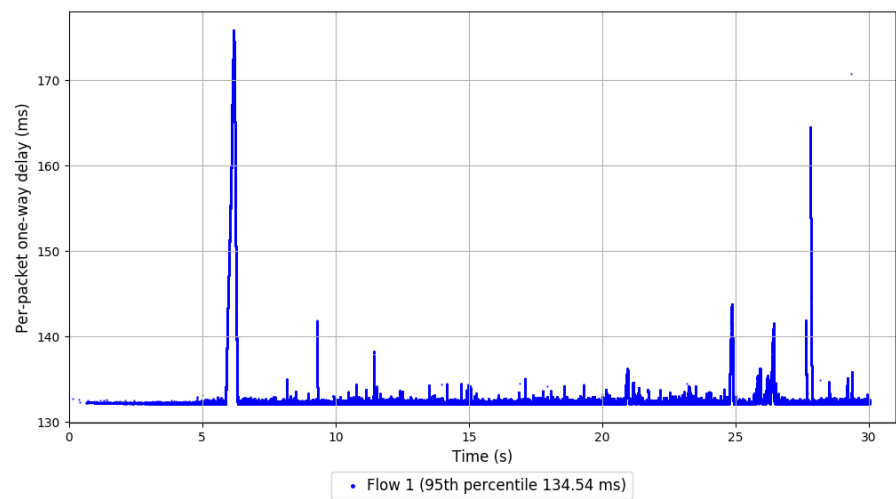
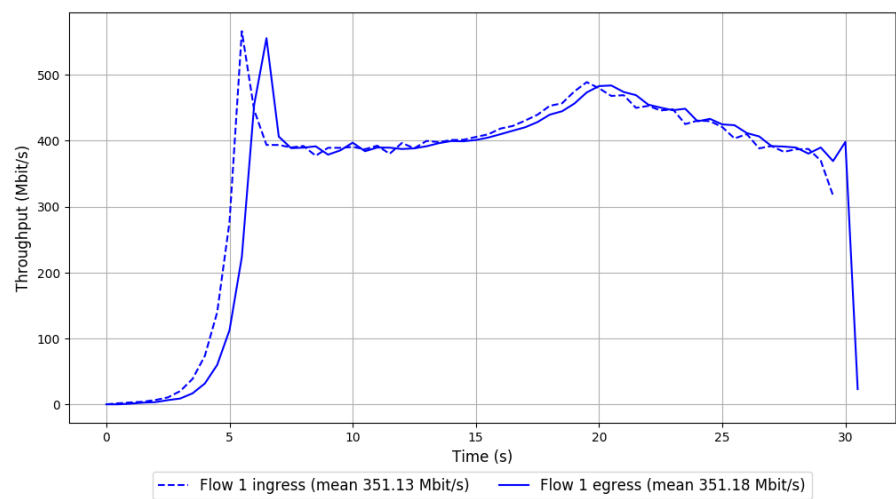
-- Flow 1:

Average throughput: 351.18 Mbit/s

95th percentile per-packet one-way delay: 134.536 ms

Loss rate: 0.00%

Run 4: Report of PCC-Vivace — Data Link



Run 5: Statistics of PCC-Vivace

Start at: 2019-02-05 14:45:34

End at: 2019-02-05 14:46:04

Local clock offset: -0.022 ms

Remote clock offset: 0.569 ms

Below is generated by plot.py at 2019-02-05 17:08:14

Datalink statistics

-- Total of 1 flow:

Average throughput: 277.42 Mbit/s

95th percentile per-packet one-way delay: 262.040 ms

Loss rate: 0.34%

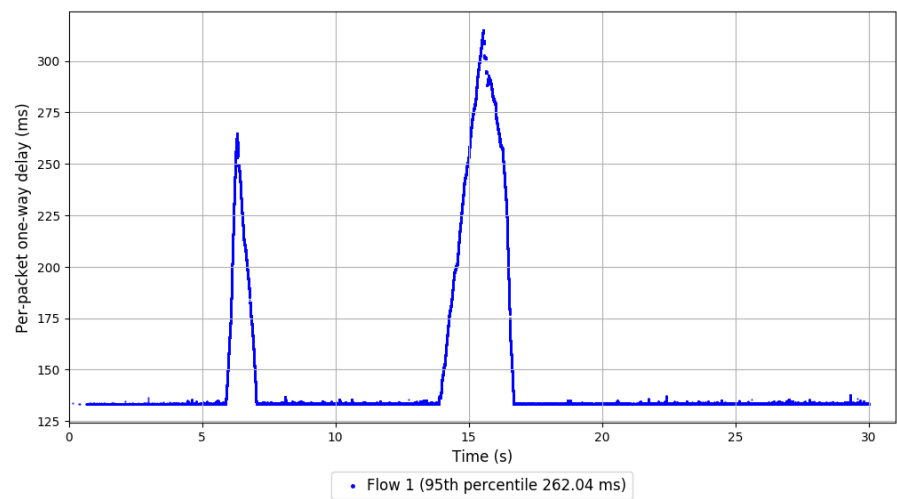
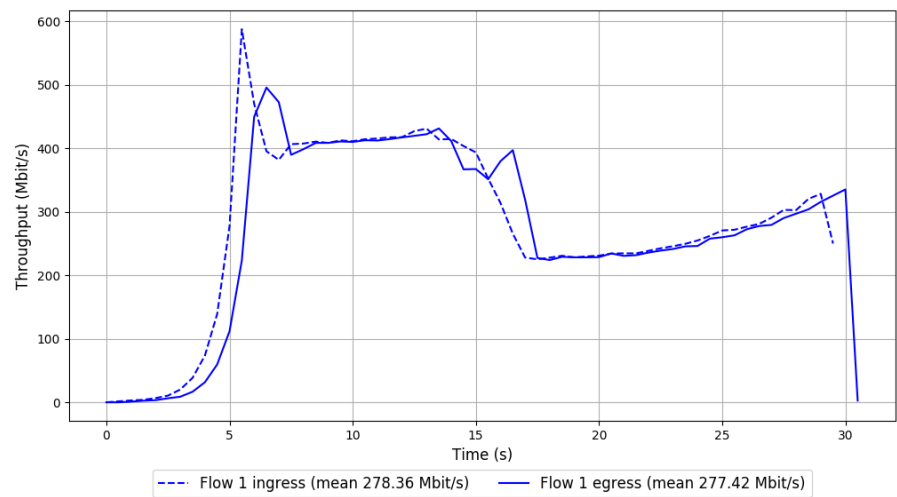
-- Flow 1:

Average throughput: 277.42 Mbit/s

95th percentile per-packet one-way delay: 262.040 ms

Loss rate: 0.34%

Run 5: Report of PCC-Vivace — Data Link



Run 1: Statistics of WebRTC media

Start at: 2019-02-05 12:38:24

End at: 2019-02-05 12:38:54

Local clock offset: -0.075 ms

Remote clock offset: 0.123 ms

Below is generated by plot.py at 2019-02-05 17:08:14

Datalink statistics

-- Total of 1 flow:

Average throughput: 1.91 Mbit/s

95th percentile per-packet one-way delay: 133.098 ms

Loss rate: 0.00%

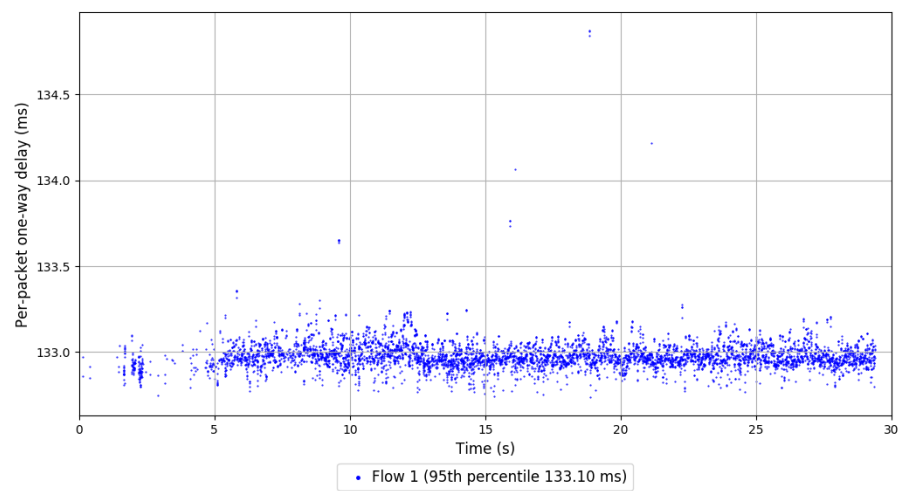
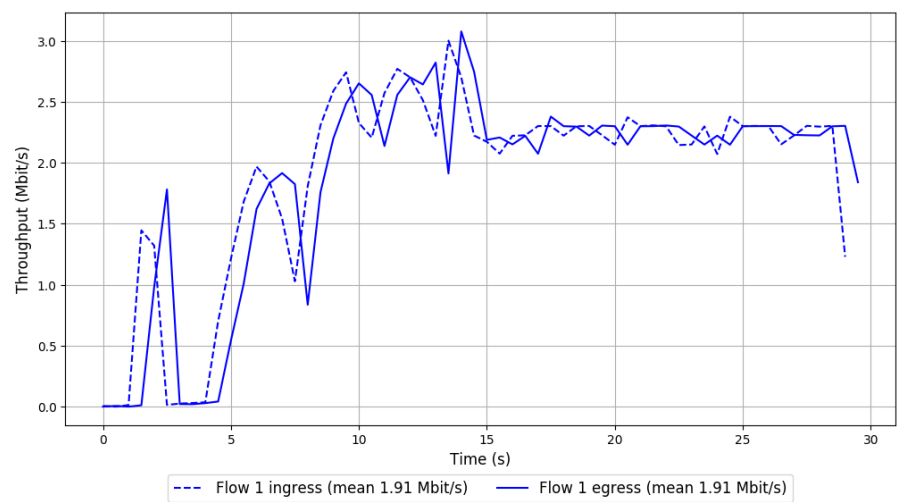
-- Flow 1:

Average throughput: 1.91 Mbit/s

95th percentile per-packet one-way delay: 133.098 ms

Loss rate: 0.00%

Run 1: Report of WebRTC media — Data Link



Run 2: Statistics of WebRTC media

Start at: 2019-02-05 13:11:10

End at: 2019-02-05 13:11:40

Local clock offset: 0.26 ms

Remote clock offset: 0.041 ms

Below is generated by plot.py at 2019-02-05 17:08:14

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.05 Mbit/s

95th percentile per-packet one-way delay: 133.177 ms

Loss rate: 0.00%

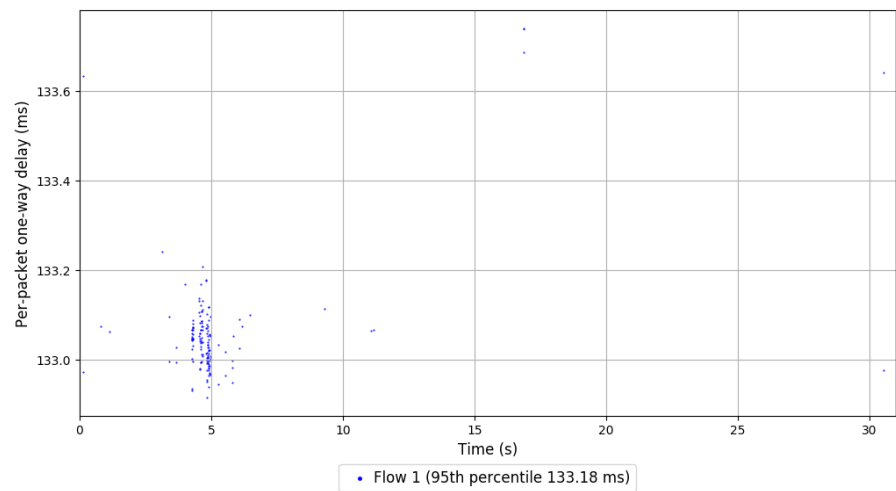
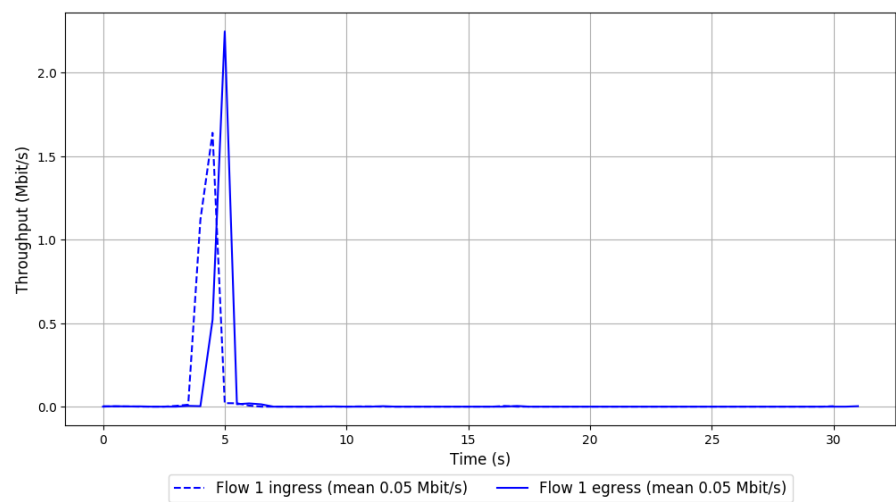
-- Flow 1:

Average throughput: 0.05 Mbit/s

95th percentile per-packet one-way delay: 133.177 ms

Loss rate: 0.00%

Run 2: Report of WebRTC media — Data Link



Run 3: Statistics of WebRTC media

Start at: 2019-02-05 13:43:21

End at: 2019-02-05 13:43:51

Local clock offset: 0.173 ms

Remote clock offset: 0.039 ms

Below is generated by plot.py at 2019-02-05 17:08:14

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.05 Mbit/s

95th percentile per-packet one-way delay: 132.515 ms

Loss rate: 0.00%

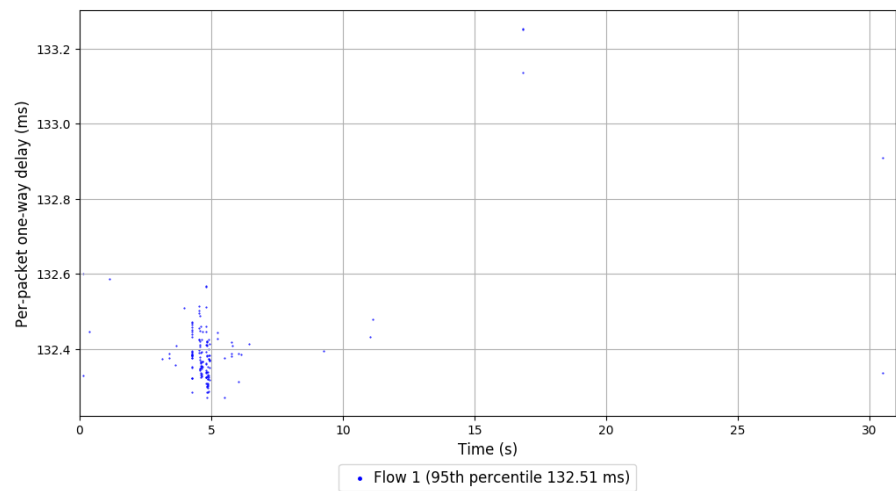
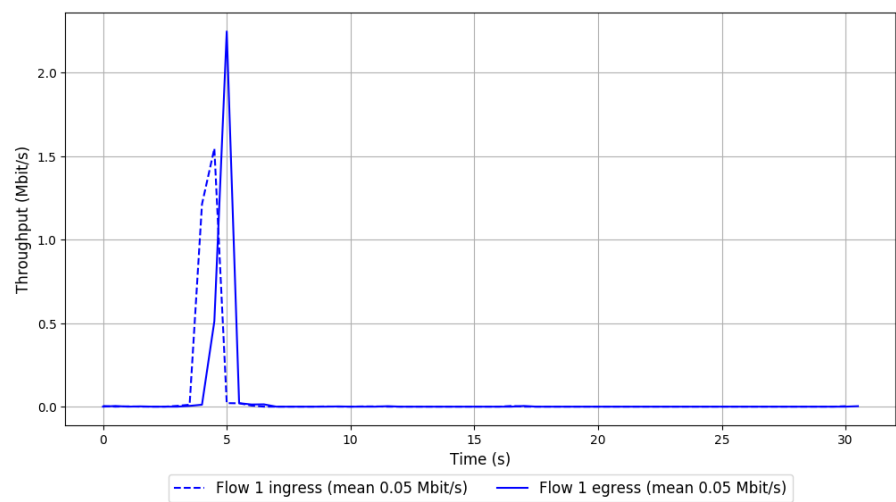
-- Flow 1:

Average throughput: 0.05 Mbit/s

95th percentile per-packet one-way delay: 132.515 ms

Loss rate: 0.00%

Run 3: Report of WebRTC media — Data Link

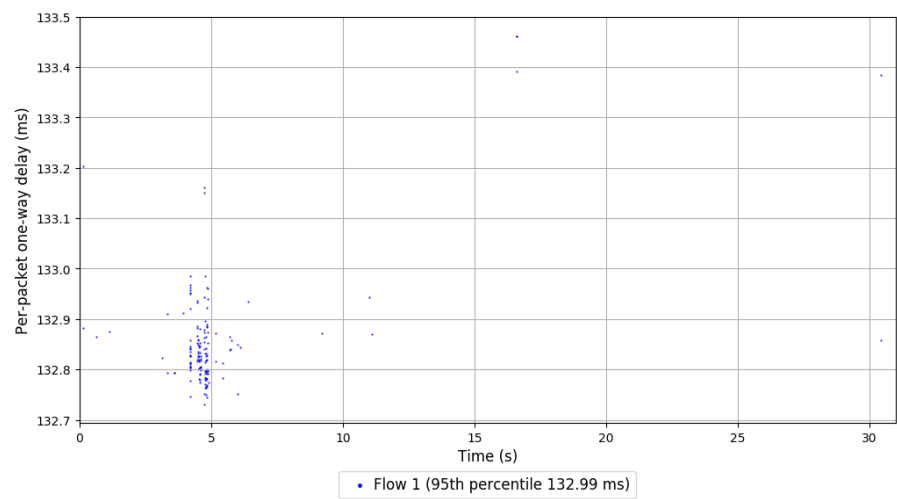
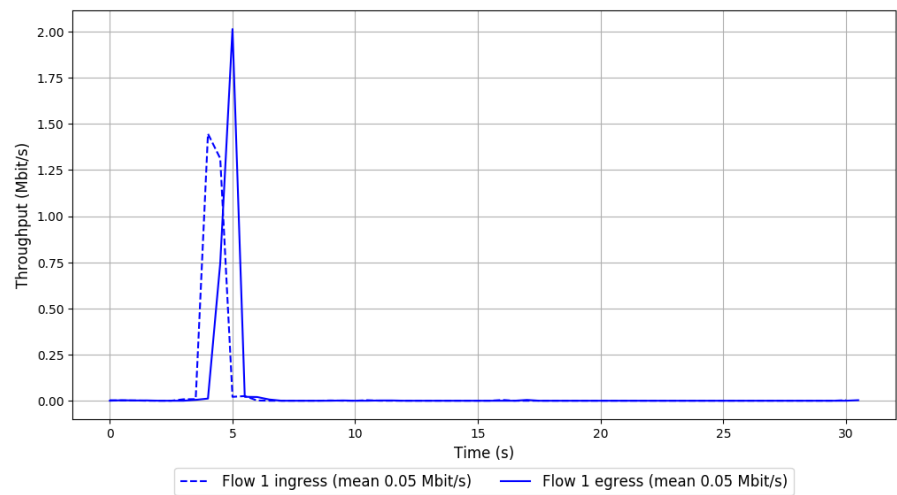


Run 4: Statistics of WebRTC media

Start at: 2019-02-05 14:15:22
End at: 2019-02-05 14:15:52
Local clock offset: -0.476 ms
Remote clock offset: -0.073 ms

Below is generated by plot.py at 2019-02-05 17:08:14
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 132.985 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 132.985 ms
Loss rate: 0.00%

Run 4: Report of WebRTC media — Data Link



Run 5: Statistics of WebRTC media

Start at: 2019-02-05 14:47:06

End at: 2019-02-05 14:47:36

Local clock offset: -0.056 ms

Remote clock offset: 0.059 ms

Below is generated by plot.py at 2019-02-05 17:08:14

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.05 Mbit/s

95th percentile per-packet one-way delay: 133.372 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 0.05 Mbit/s

95th percentile per-packet one-way delay: 133.372 ms

Loss rate: 0.00%

Run 5: Report of WebRTC media — Data Link

