

Pantheon Report

Generated at 2019-05-29 22:31:32 (UTC).

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

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:

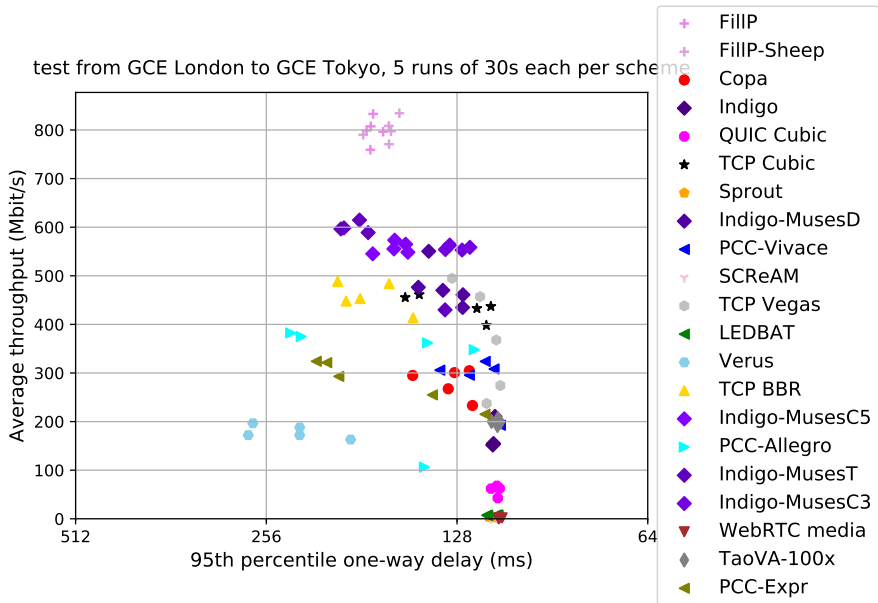
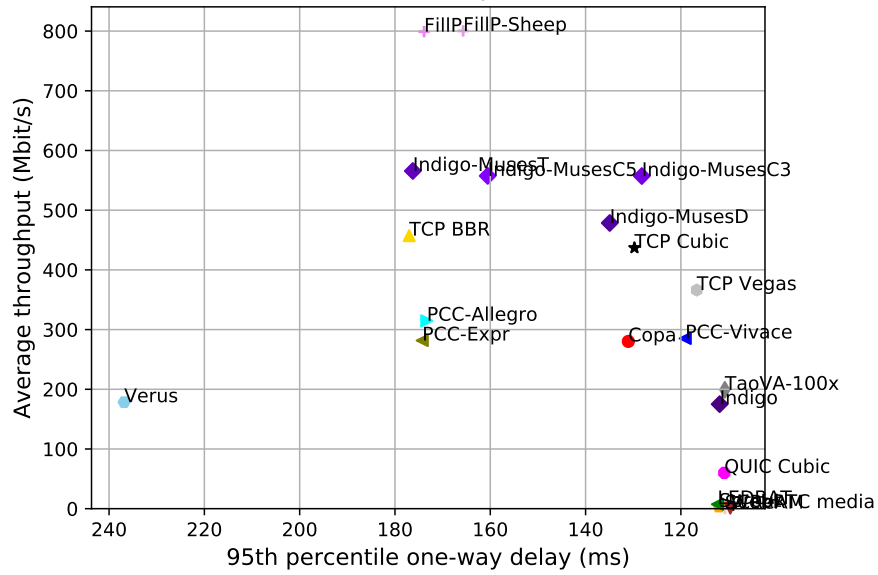
```
Linux 4.15.0-1029-gcp
net.core.default_qdisc = fq
net.core.rmem_default = 16777216
net.core.rmem_max = 536870912
net.core.wmem_default = 16777216
net.core.wmem_max = 536870912
net.ipv4.tcp_rmem = 4096 16777216 536870912
net.ipv4.tcp_wmem = 4096 16777216 536870912
```

Git summary:

```
branch: muses @ 7a686f7c2ed0a333082c0bab1fa5c921ab47e6ee
third_party/fillp @ d6da1459332fcee56963885d7eba17e6a32d4519
third_party/fillp-sheep @ 0e5bb722943babcd2b090d2c64fcd45e12e923f9
third_party/genericCC @ d0153f8e594aa89e93b032143cedbdf58e562f4
third_party/indigo @ 2601c92e4aa9d58d38dc4dfe0ecdbf90c077e64d
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 London to GCE Tokyo, 5 runs of 30s each per scheme
(mean of all runs by scheme)



scheme	# runs	mean avg tput (Mbit/s)	mean 95th-%ile delay (ms)	mean loss rate (%)
		flow 1	flow 1	flow 1
TCP BBR	5	457.41	177.01	1.10
Copa	5	280.21	131.03	0.85
TCP Cubic	5	436.89	129.75	0.78
FillP	5	799.05	173.89	2.92
FillP-Sheep	5	800.24	165.70	1.64
Indigo	5	175.10	111.86	0.80
Indigo-MusesC3	4	557.18	128.21	0.82
Indigo-MusesC5	5	557.43	160.55	0.93
Indigo-MusesD	5	478.53	134.93	0.93
Indigo-MusesT	5	565.66	176.25	1.09
LEDBAT	5	7.46	112.33	1.50
PCC-Allegro	5	314.75	173.31	2.44
PCC-Expr	5	281.67	174.29	2.07
QUIC Cubic	5	59.98	110.89	0.91
SReAM	5	0.21	110.76	0.74
Sprout	5	3.01	112.01	1.00
TaoVA-100x	5	199.03	110.78	0.84
TCP Vegas	5	366.23	116.67	0.75
Verus	5	178.39	236.84	6.66
PCC-Vivace	5	285.18	119.09	0.89
WebRTC media	4	1.02	109.62	0.52

Run 1: Statistics of TCP BBR

Start at: 2019-05-29 18:36:54

End at: 2019-05-29 18:37:24

Local clock offset: 18.881 ms

Remote clock offset: 16.366 ms

Below is generated by plot.py at 2019-05-29 21:04:06

Datalink statistics

-- Total of 1 flow:

Average throughput: 453.19 Mbit/s

95th percentile per-packet one-way delay: 182.009 ms

Loss rate: 0.92%

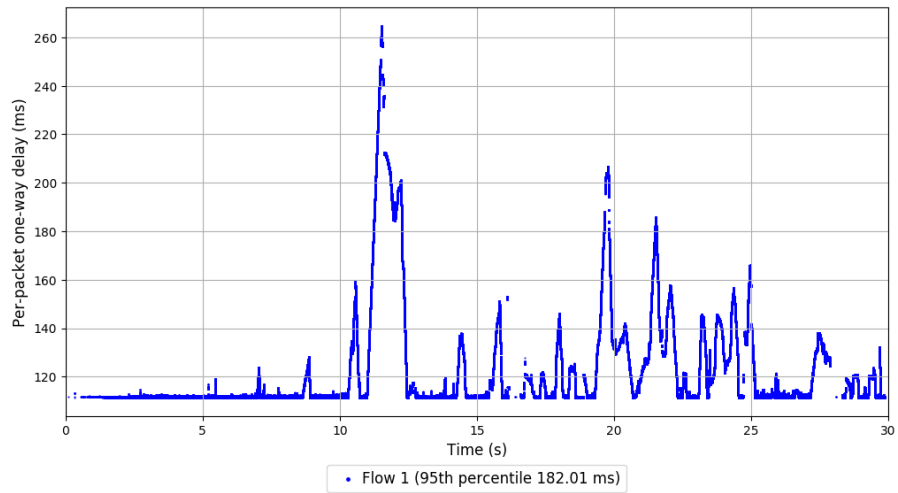
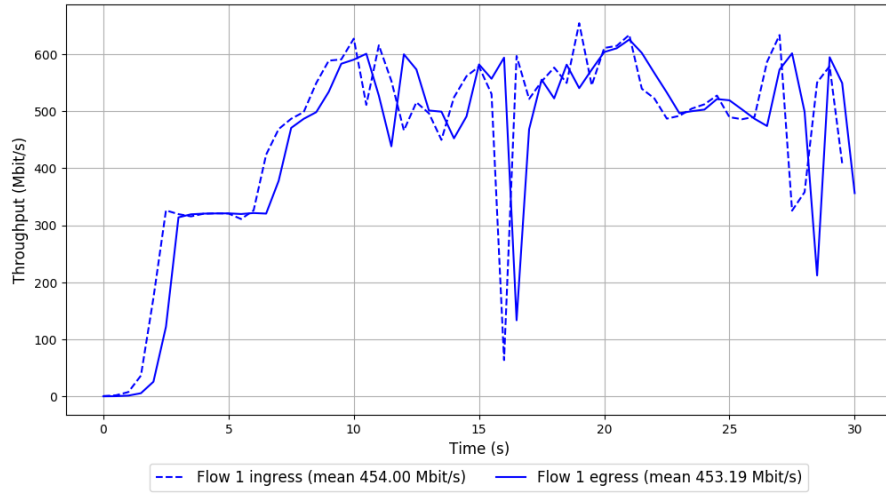
-- Flow 1:

Average throughput: 453.19 Mbit/s

95th percentile per-packet one-way delay: 182.009 ms

Loss rate: 0.92%

Run 1: Report of TCP BBR — Data Link



Run 2: Statistics of TCP BBR

Start at: 2019-05-29 19:08:24

End at: 2019-05-29 19:08:54

Local clock offset: 30.076 ms

Remote clock offset: 25.621 ms

Below is generated by plot.py at 2019-05-29 21:04:27

Datalink statistics

-- Total of 1 flow:

Average throughput: 483.64 Mbit/s

95th percentile per-packet one-way delay: 163.823 ms

Loss rate: 1.20%

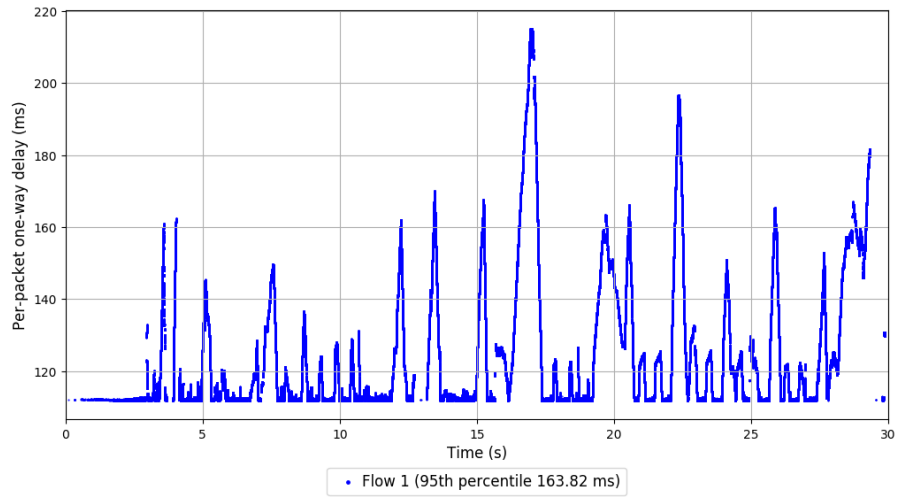
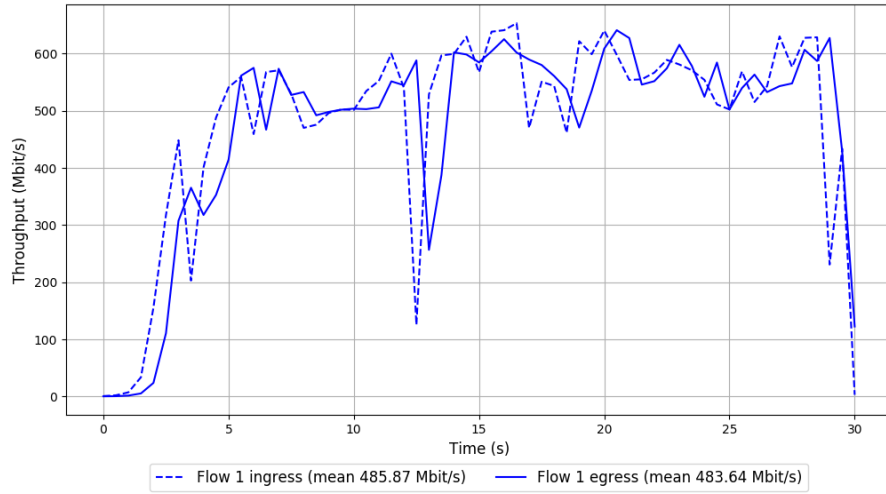
-- Flow 1:

Average throughput: 483.64 Mbit/s

95th percentile per-packet one-way delay: 163.823 ms

Loss rate: 1.20%

Run 2: Report of TCP BBR — Data Link

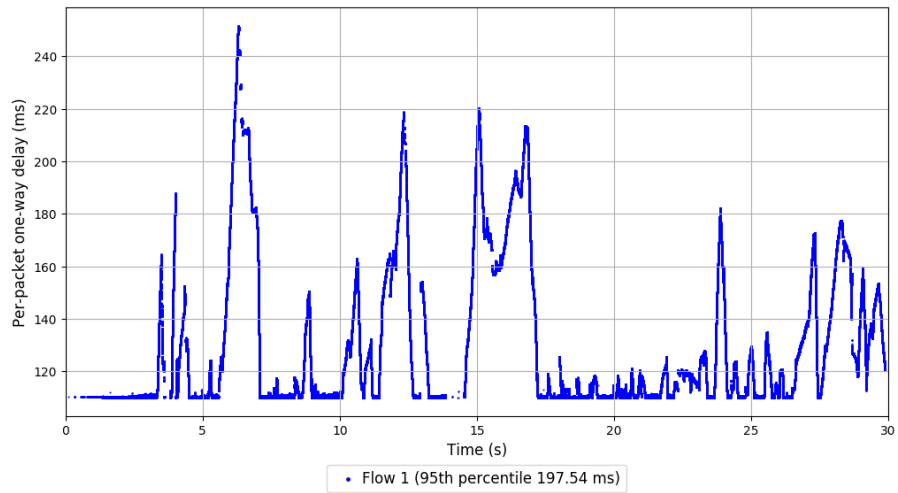
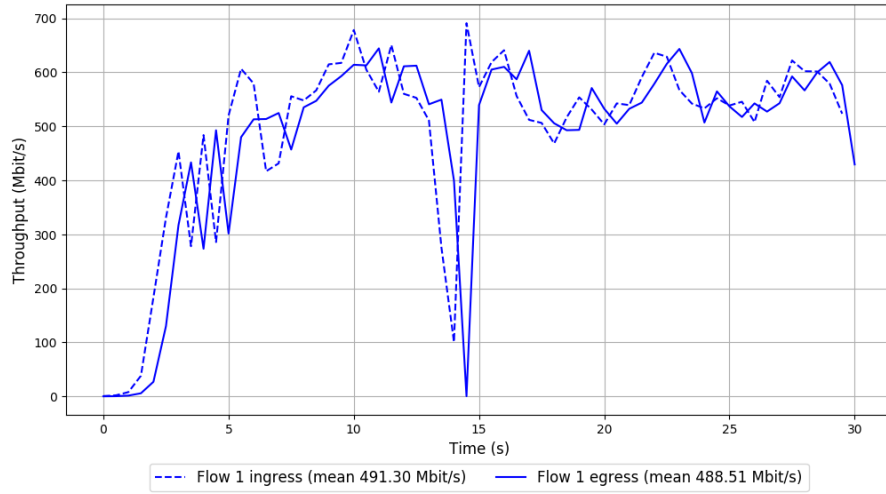


Run 3: Statistics of TCP BBR

Start at: 2019-05-29 19:39:41
End at: 2019-05-29 19:40:12
Local clock offset: 14.977 ms
Remote clock offset: 12.818 ms

Below is generated by plot.py at 2019-05-29 21:04:31
Datalink statistics
-- Total of 1 flow:
Average throughput: 488.51 Mbit/s
95th percentile per-packet one-way delay: 197.543 ms
Loss rate: 1.30%
-- Flow 1:
Average throughput: 488.51 Mbit/s
95th percentile per-packet one-way delay: 197.543 ms
Loss rate: 1.30%

Run 3: Report of TCP BBR — Data Link



Run 4: Statistics of TCP BBR

Start at: 2019-05-29 20:11:17

End at: 2019-05-29 20:11:47

Local clock offset: 7.07 ms

Remote clock offset: 5.832 ms

Below is generated by plot.py at 2019-05-29 21:04:31

Datalink statistics

-- Total of 1 flow:

Average throughput: 413.69 Mbit/s

95th percentile per-packet one-way delay: 150.145 ms

Loss rate: 0.95%

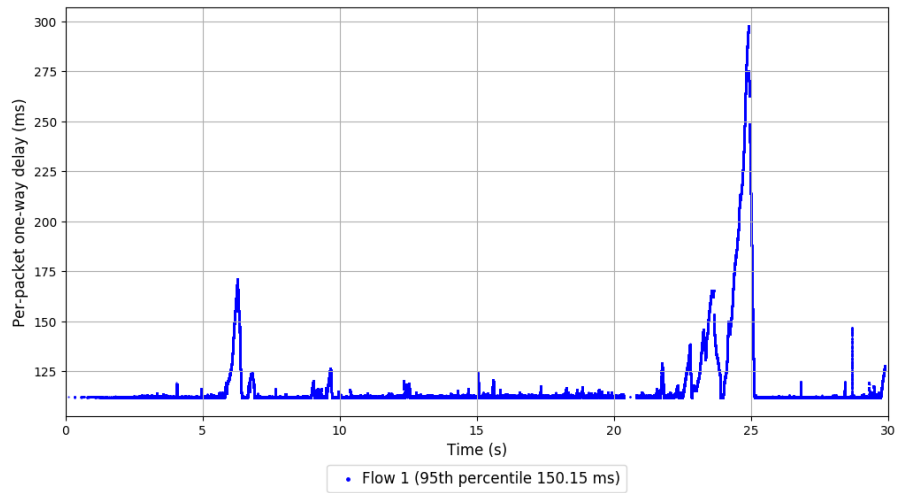
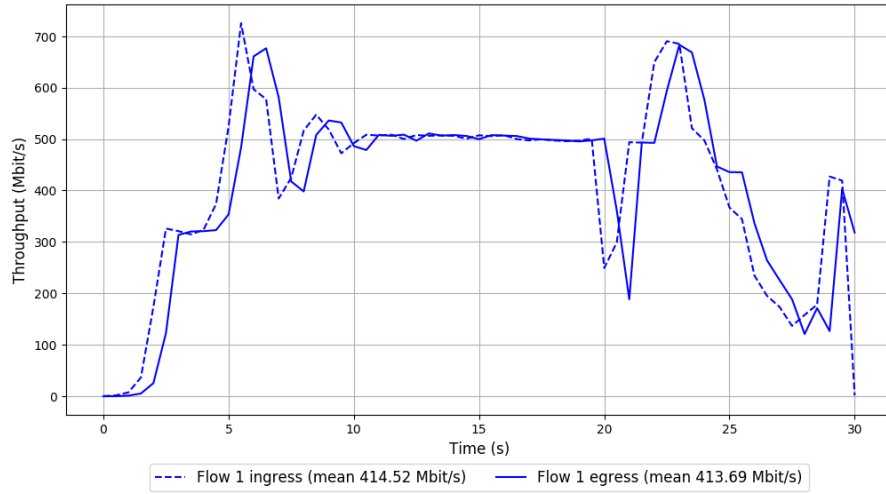
-- Flow 1:

Average throughput: 413.69 Mbit/s

95th percentile per-packet one-way delay: 150.145 ms

Loss rate: 0.95%

Run 4: Report of TCP BBR — Data Link



Run 5: Statistics of TCP BBR

Start at: 2019-05-29 20:42:36

End at: 2019-05-29 20:43:06

Local clock offset: 2.176 ms

Remote clock offset: 1.648 ms

Below is generated by plot.py at 2019-05-29 21:04:31

Datalink statistics

-- Total of 1 flow:

Average throughput: 448.04 Mbit/s

95th percentile per-packet one-way delay: 191.549 ms

Loss rate: 1.11%

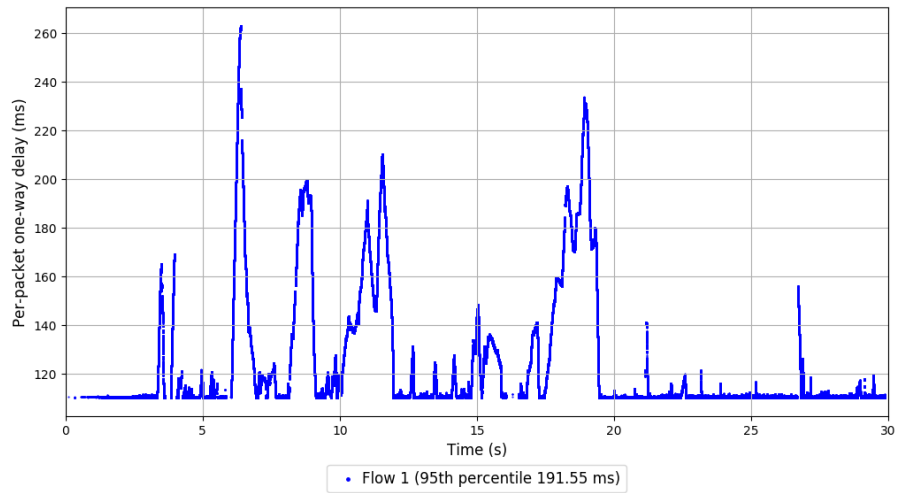
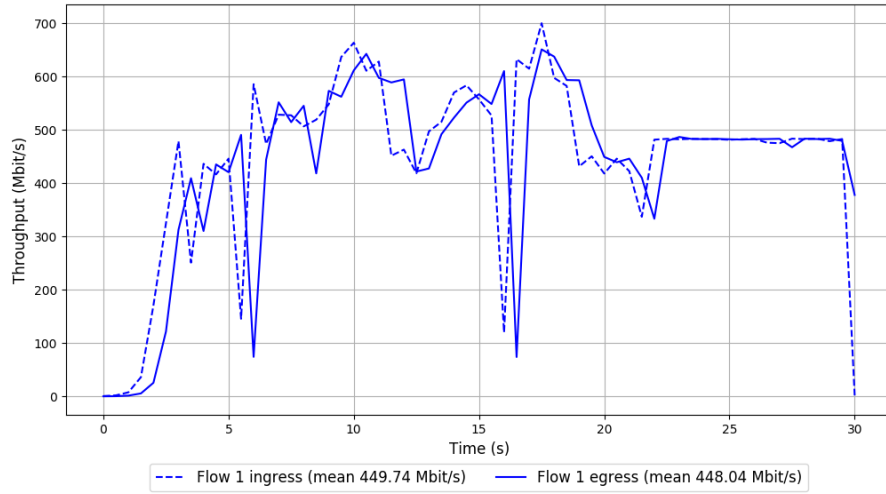
-- Flow 1:

Average throughput: 448.04 Mbit/s

95th percentile per-packet one-way delay: 191.549 ms

Loss rate: 1.11%

Run 5: Report of TCP BBR — Data Link

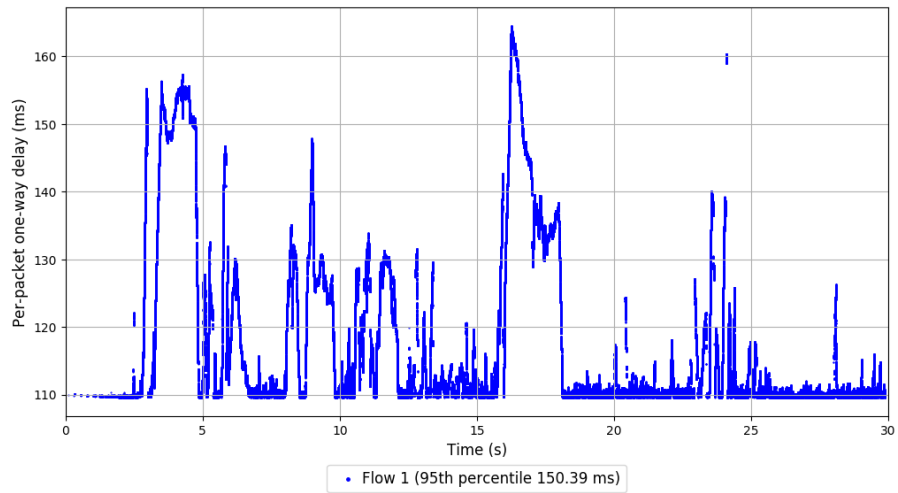
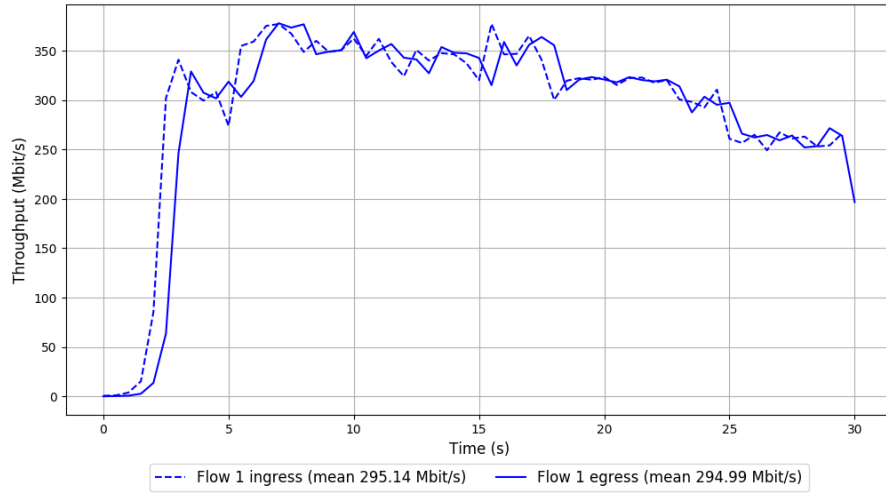


Run 1: Statistics of Copa

Start at: 2019-05-29 18:30:17
End at: 2019-05-29 18:30:47
Local clock offset: 12.712 ms
Remote clock offset: 10.728 ms

Below is generated by plot.py at 2019-05-29 21:05:15
Datalink statistics
-- Total of 1 flow:
Average throughput: 294.99 Mbit/s
95th percentile per-packet one-way delay: 150.388 ms
Loss rate: 0.78%
-- Flow 1:
Average throughput: 294.99 Mbit/s
95th percentile per-packet one-way delay: 150.388 ms
Loss rate: 0.78%

Run 1: Report of Copa — Data Link

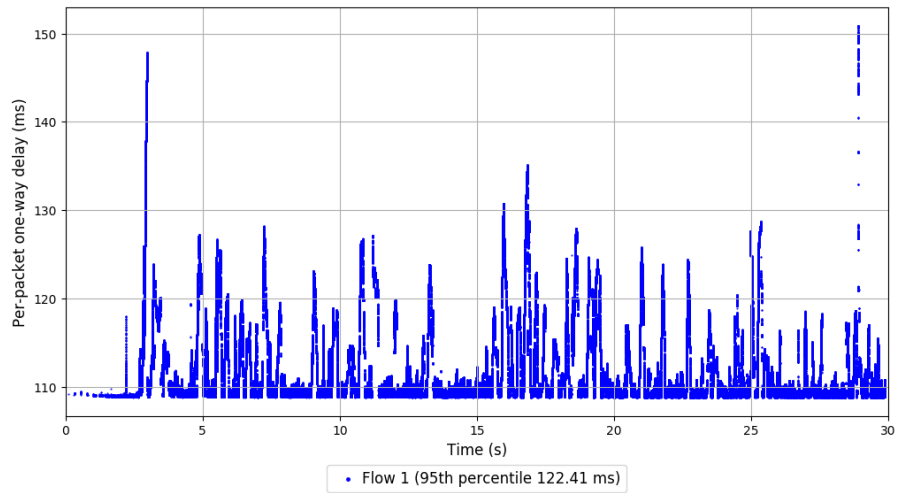
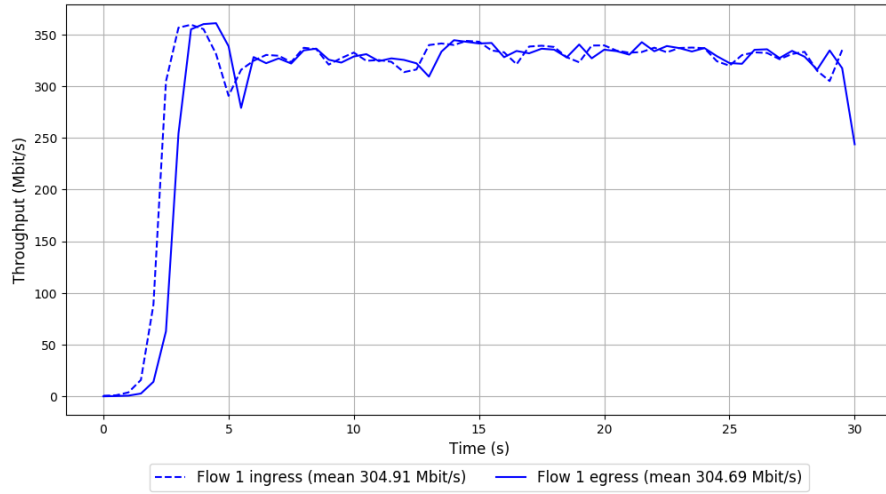


Run 2: Statistics of Copa

Start at: 2019-05-29 19:01:46
End at: 2019-05-29 19:02:16
Local clock offset: 24.039 ms
Remote clock offset: 20.575 ms

Below is generated by plot.py at 2019-05-29 21:05:36
Datalink statistics
-- Total of 1 flow:
Average throughput: 304.69 Mbit/s
95th percentile per-packet one-way delay: 122.414 ms
Loss rate: 0.81%
-- Flow 1:
Average throughput: 304.69 Mbit/s
95th percentile per-packet one-way delay: 122.414 ms
Loss rate: 0.81%

Run 2: Report of Copa — Data Link

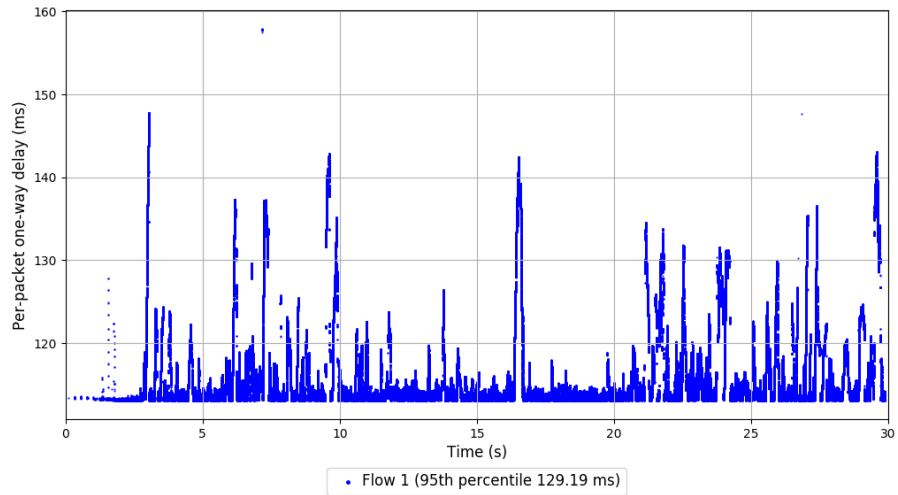
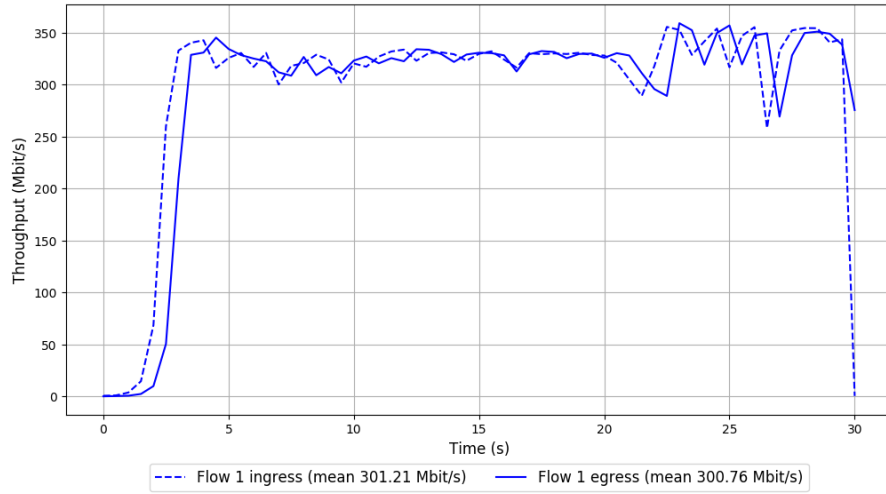


Run 3: Statistics of Copa

Start at: 2019-05-29 19:33:03
End at: 2019-05-29 19:33:33
Local clock offset: 14.106 ms
Remote clock offset: 11.928 ms

Below is generated by plot.py at 2019-05-29 21:05:36
Datalink statistics
-- Total of 1 flow:
Average throughput: 300.76 Mbit/s
95th percentile per-packet one-way delay: 129.187 ms
Loss rate: 0.89%
-- Flow 1:
Average throughput: 300.76 Mbit/s
95th percentile per-packet one-way delay: 129.187 ms
Loss rate: 0.89%

Run 3: Report of Copa — Data Link



Run 4: Statistics of Copa

Start at: 2019-05-29 20:04:44

End at: 2019-05-29 20:05:14

Local clock offset: 7.115 ms

Remote clock offset: 5.853 ms

Below is generated by plot.py at 2019-05-29 21:10:40

Datalink statistics

-- Total of 1 flow:

Average throughput: 233.09 Mbit/s

95th percentile per-packet one-way delay: 121.025 ms

Loss rate: 0.87%

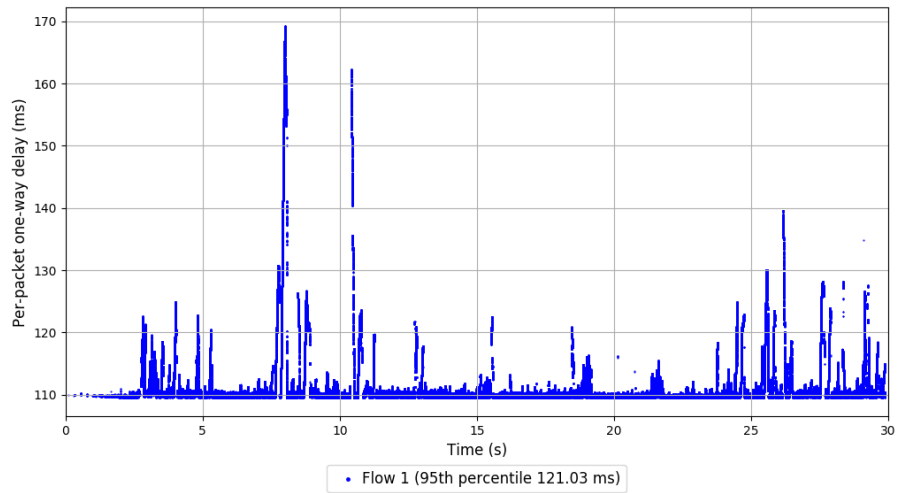
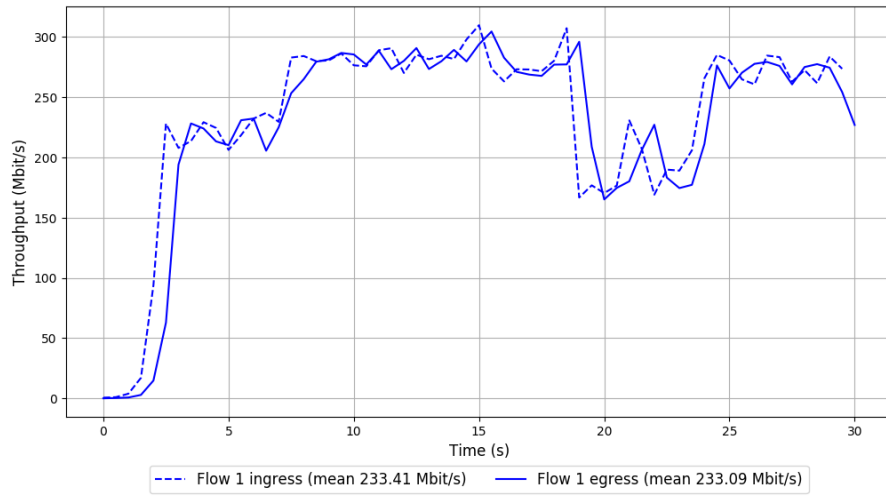
-- Flow 1:

Average throughput: 233.09 Mbit/s

95th percentile per-packet one-way delay: 121.025 ms

Loss rate: 0.87%

Run 4: Report of Copa — Data Link



Run 5: Statistics of Copa

Start at: 2019-05-29 20:36:00

End at: 2019-05-29 20:36:30

Local clock offset: 2.953 ms

Remote clock offset: 2.355 ms

Below is generated by plot.py at 2019-05-29 21:12:29

Datalink statistics

-- Total of 1 flow:

Average throughput: 267.52 Mbit/s

95th percentile per-packet one-way delay: 132.148 ms

Loss rate: 0.92%

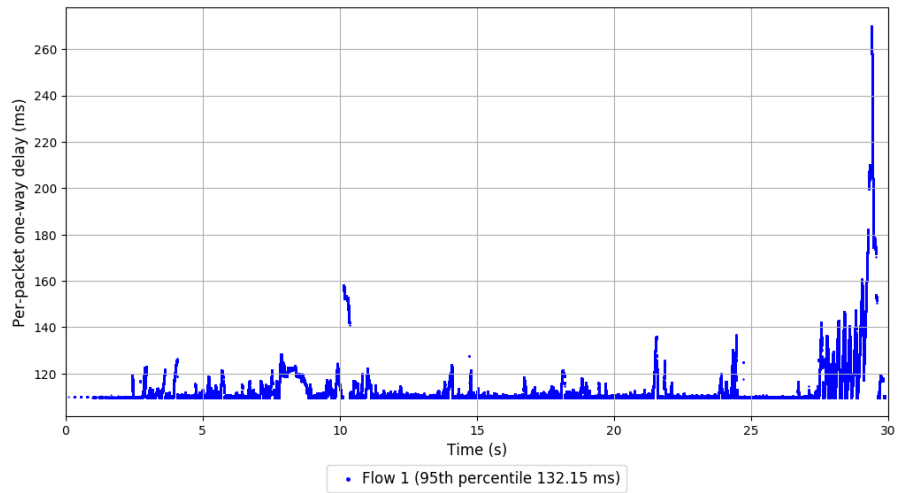
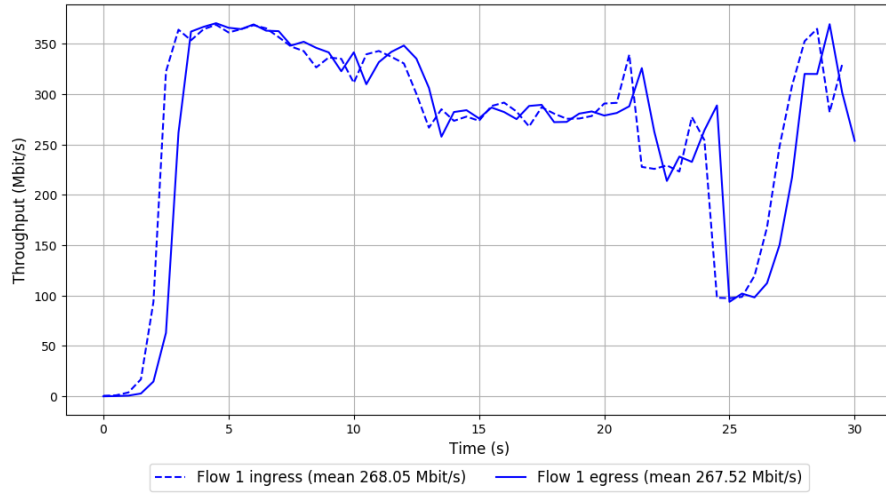
-- Flow 1:

Average throughput: 267.52 Mbit/s

95th percentile per-packet one-way delay: 132.148 ms

Loss rate: 0.92%

Run 5: Report of Copa — Data Link

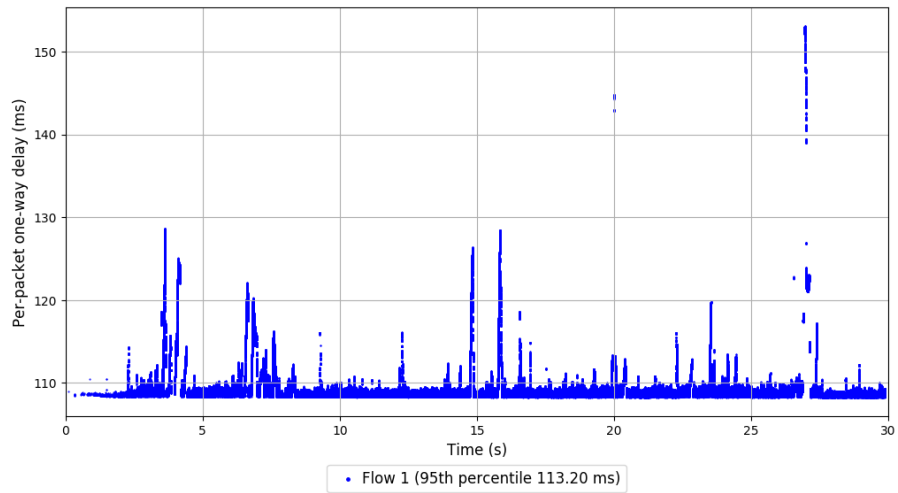
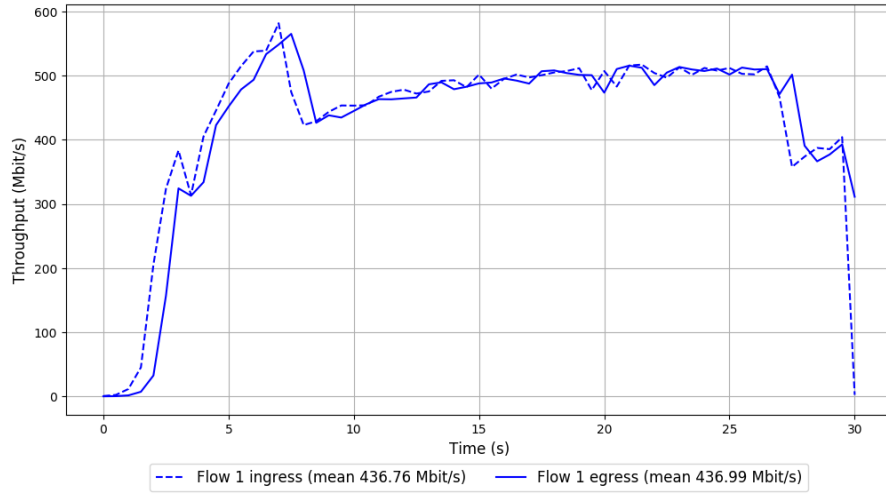


Run 1: Statistics of TCP Cubic

Start at: 2019-05-29 18:35:20
End at: 2019-05-29 18:35:50
Local clock offset: 16.735 ms
Remote clock offset: 14.709 ms

Below is generated by plot.py at 2019-05-29 21:12:29
Datalink statistics
-- Total of 1 flow:
Average throughput: 436.99 Mbit/s
95th percentile per-packet one-way delay: 113.199 ms
Loss rate: 0.68%
-- Flow 1:
Average throughput: 436.99 Mbit/s
95th percentile per-packet one-way delay: 113.199 ms
Loss rate: 0.68%

Run 1: Report of TCP Cubic — Data Link

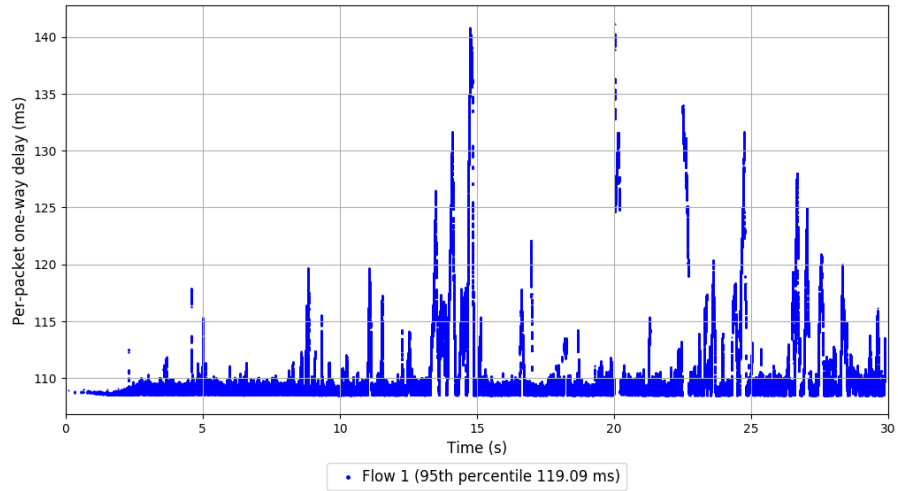
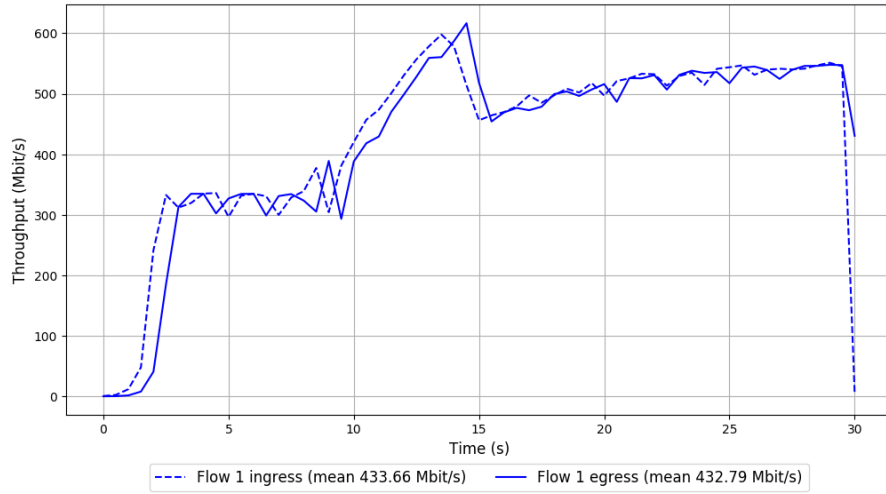


Run 2: Statistics of TCP Cubic

Start at: 2019-05-29 19:06:50
End at: 2019-05-29 19:07:20
Local clock offset: 28.446 ms
Remote clock offset: 24.478 ms

Below is generated by plot.py at 2019-05-29 21:12:29
Datalink statistics
-- Total of 1 flow:
Average throughput: 432.79 Mbit/s
95th percentile per-packet one-way delay: 119.092 ms
Loss rate: 0.93%
-- Flow 1:
Average throughput: 432.79 Mbit/s
95th percentile per-packet one-way delay: 119.092 ms
Loss rate: 0.93%

Run 2: Report of TCP Cubic — Data Link

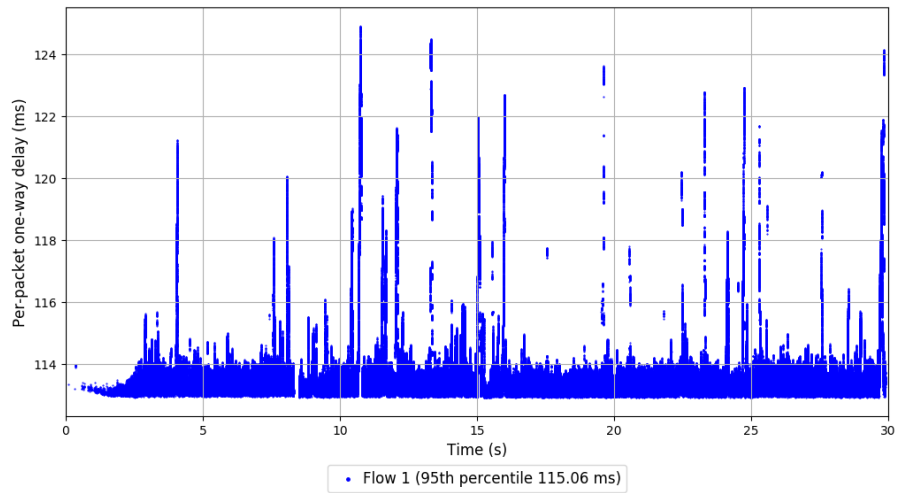
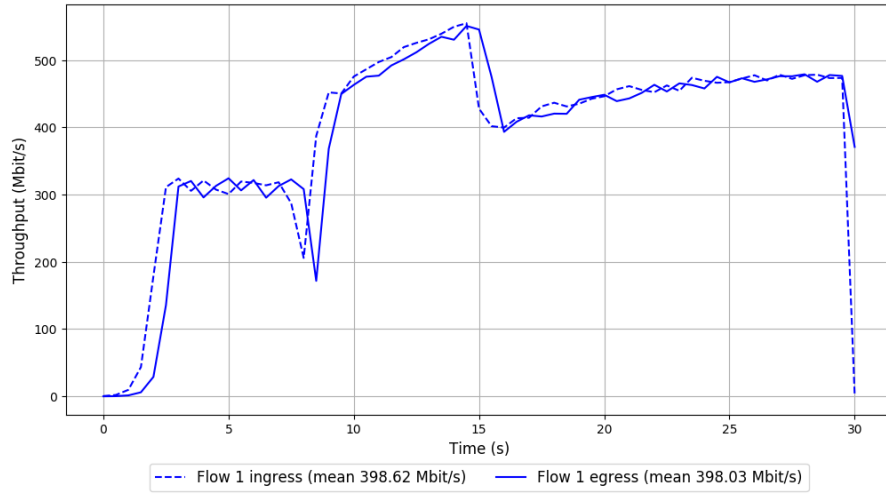


Run 3: Statistics of TCP Cubic

Start at: 2019-05-29 19:38:09
End at: 2019-05-29 19:38:39
Local clock offset: 14.693 ms
Remote clock offset: 12.448 ms

Below is generated by plot.py at 2019-05-29 21:12:29
Datalink statistics
-- Total of 1 flow:
Average throughput: 398.03 Mbit/s
95th percentile per-packet one-way delay: 115.061 ms
Loss rate: 0.89%
-- Flow 1:
Average throughput: 398.03 Mbit/s
95th percentile per-packet one-way delay: 115.061 ms
Loss rate: 0.89%

Run 3: Report of TCP Cubic — Data Link



Run 4: Statistics of TCP Cubic

Start at: 2019-05-29 20:09:43

End at: 2019-05-29 20:10:13

Local clock offset: 6.755 ms

Remote clock offset: 5.729 ms

Below is generated by plot.py at 2019-05-29 21:13:14

Datalink statistics

-- Total of 1 flow:

Average throughput: 455.34 Mbit/s

95th percentile per-packet one-way delay: 154.519 ms

Loss rate: 0.62%

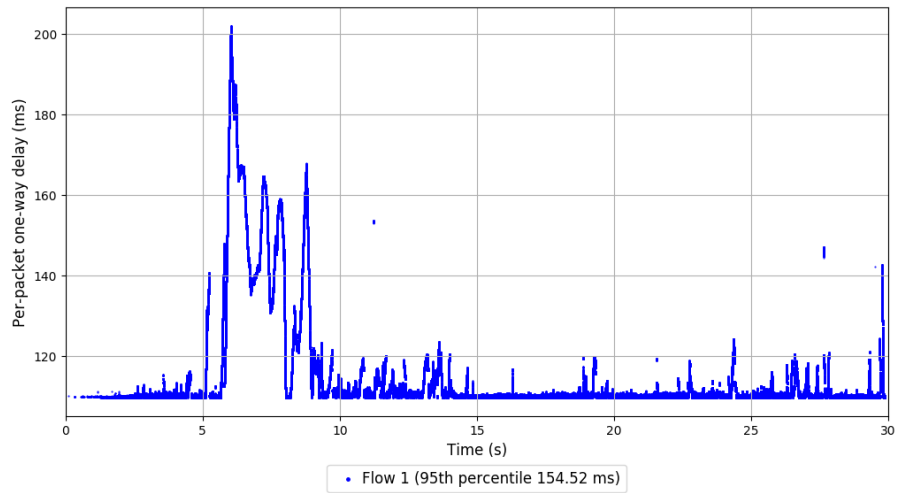
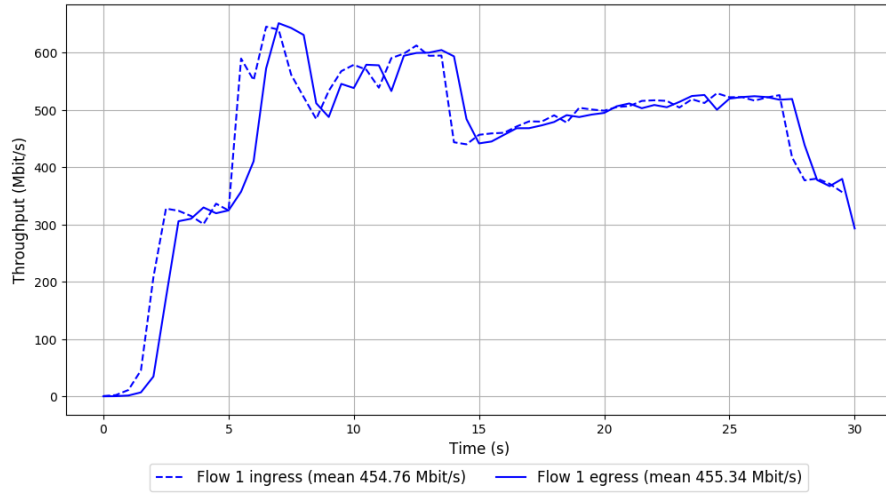
-- Flow 1:

Average throughput: 455.34 Mbit/s

95th percentile per-packet one-way delay: 154.519 ms

Loss rate: 0.62%

Run 4: Report of TCP Cubic — Data Link



Run 5: Statistics of TCP Cubic

Start at: 2019-05-29 20:41:00

End at: 2019-05-29 20:41:30

Local clock offset: 2.215 ms

Remote clock offset: 1.777 ms

Below is generated by plot.py at 2019-05-29 21:13:34

Datalink statistics

-- Total of 1 flow:

Average throughput: 461.31 Mbit/s

95th percentile per-packet one-way delay: 146.856 ms

Loss rate: 0.76%

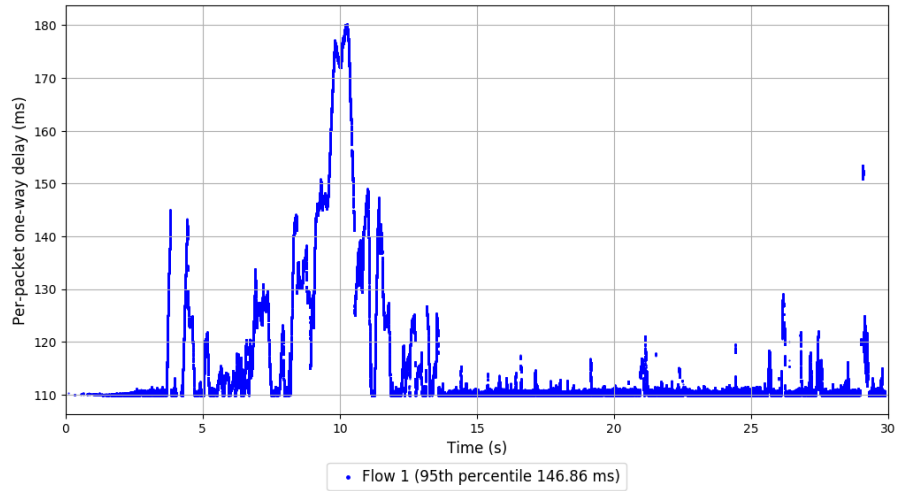
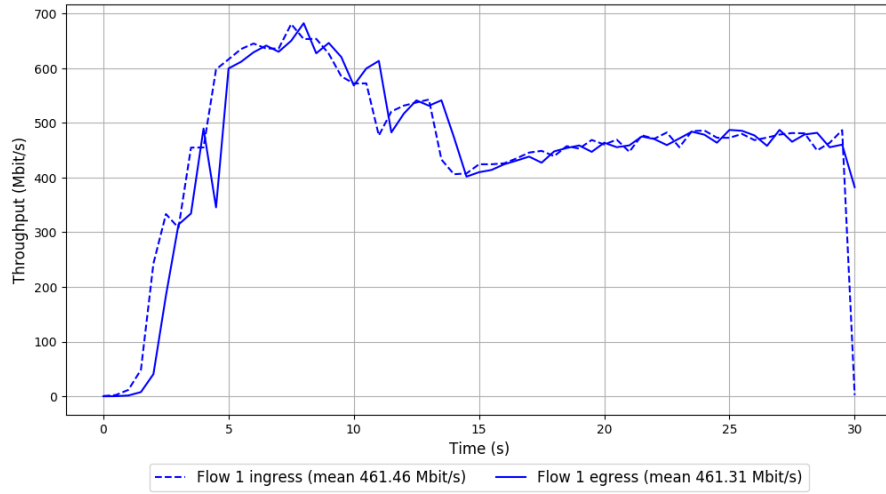
-- Flow 1:

Average throughput: 461.31 Mbit/s

95th percentile per-packet one-way delay: 146.856 ms

Loss rate: 0.76%

Run 5: Report of TCP Cubic — Data Link



Run 1: Statistics of FillP

Start at: 2019-05-29 18:33:35

End at: 2019-05-29 18:34:05

Local clock offset: 15.649 ms

Remote clock offset: 12.99 ms

Below is generated by plot.py at 2019-05-29 21:21:33

Datalink statistics

-- Total of 1 flow:

Average throughput: 807.47 Mbit/s

95th percentile per-packet one-way delay: 175.131 ms

Loss rate: 2.34%

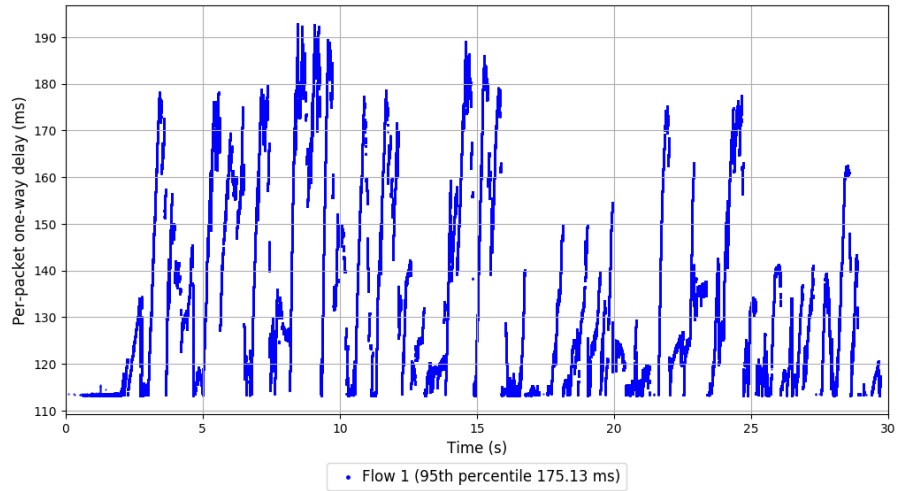
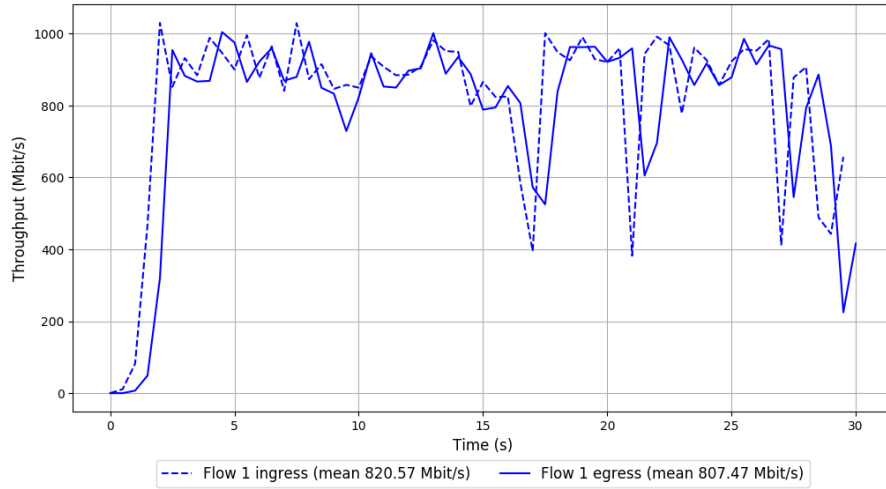
-- Flow 1:

Average throughput: 807.47 Mbit/s

95th percentile per-packet one-way delay: 175.131 ms

Loss rate: 2.34%

Run 1: Report of FillP — Data Link

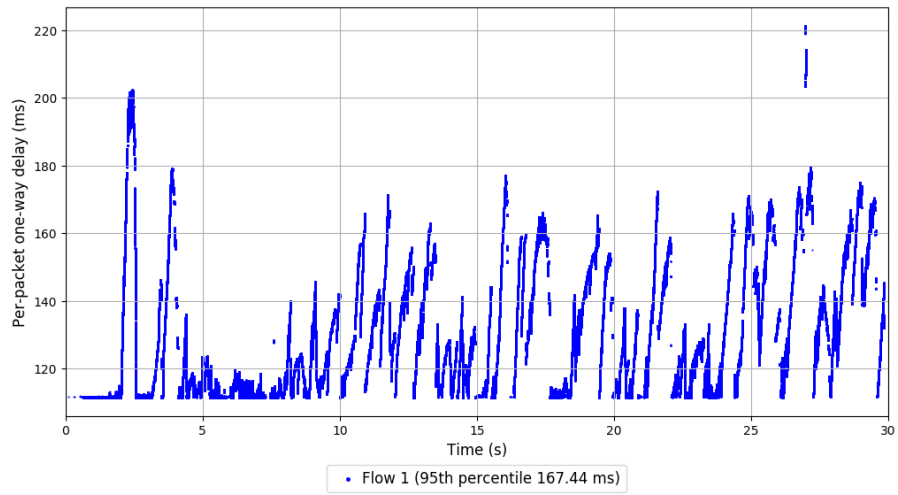
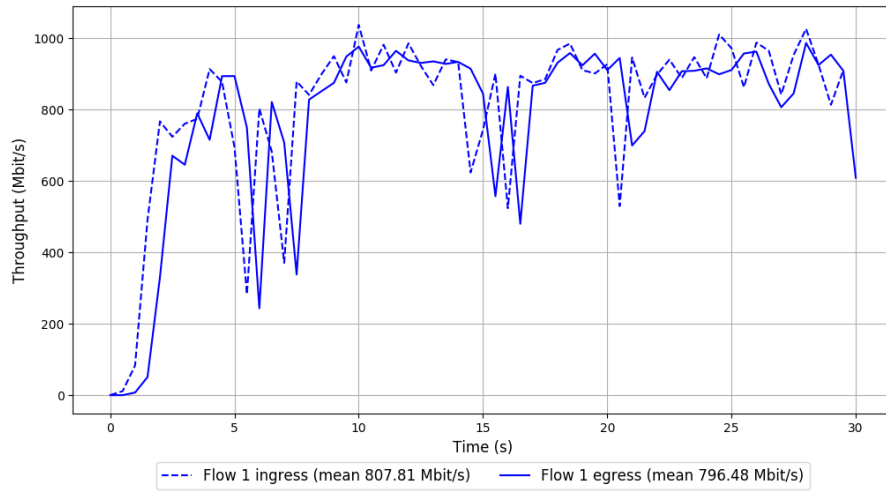


Run 2: Statistics of FillP

Start at: 2019-05-29 19:05:05
End at: 2019-05-29 19:05:35
Local clock offset: 26.754 ms
Remote clock offset: 22.966 ms

Below is generated by plot.py at 2019-05-29 21:28:33
Datalink statistics
-- Total of 1 flow:
Average throughput: 796.48 Mbit/s
95th percentile per-packet one-way delay: 167.444 ms
Loss rate: 2.14%
-- Flow 1:
Average throughput: 796.48 Mbit/s
95th percentile per-packet one-way delay: 167.444 ms
Loss rate: 2.14%

Run 2: Report of FillP — Data Link

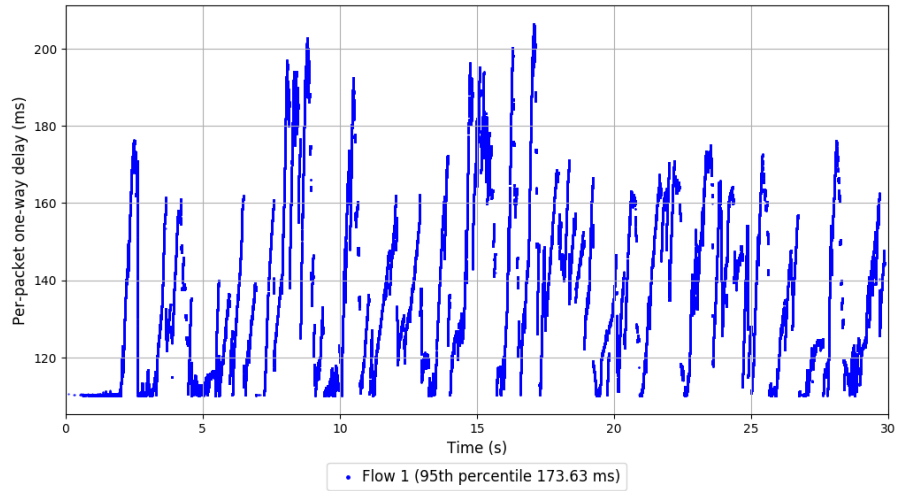
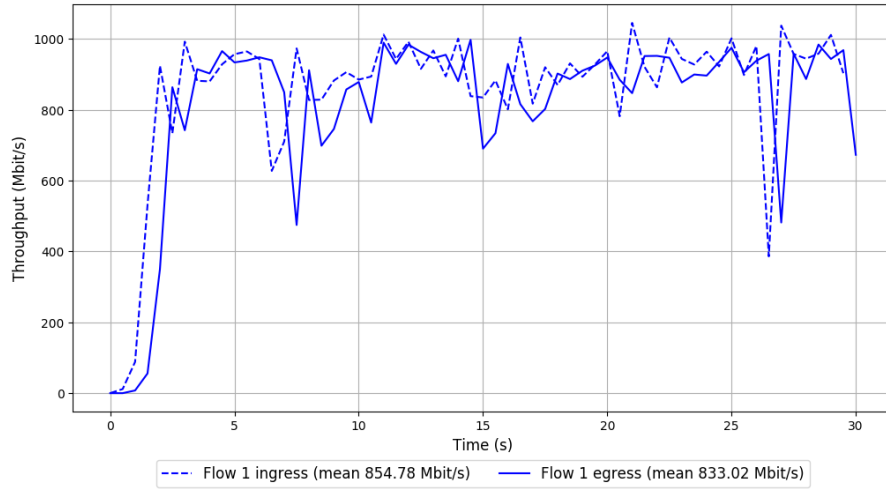


Run 3: Statistics of FillP

Start at: 2019-05-29 19:36:22
End at: 2019-05-29 19:36:53
Local clock offset: 14.266 ms
Remote clock offset: 12.164 ms

Below is generated by plot.py at 2019-05-29 21:29:26
Datalink statistics
-- Total of 1 flow:
Average throughput: 833.02 Mbit/s
95th percentile per-packet one-way delay: 173.634 ms
Loss rate: 3.27%
-- Flow 1:
Average throughput: 833.02 Mbit/s
95th percentile per-packet one-way delay: 173.634 ms
Loss rate: 3.27%

Run 3: Report of FillP — Data Link



Run 4: Statistics of FillP

Start at: 2019-05-29 20:07:56

End at: 2019-05-29 20:08:26

Local clock offset: 7.027 ms

Remote clock offset: 5.7 ms

Below is generated by plot.py at 2019-05-29 21:29:26

Datalink statistics

-- Total of 1 flow:

Average throughput: 798.94 Mbit/s

95th percentile per-packet one-way delay: 177.851 ms

Loss rate: 3.47%

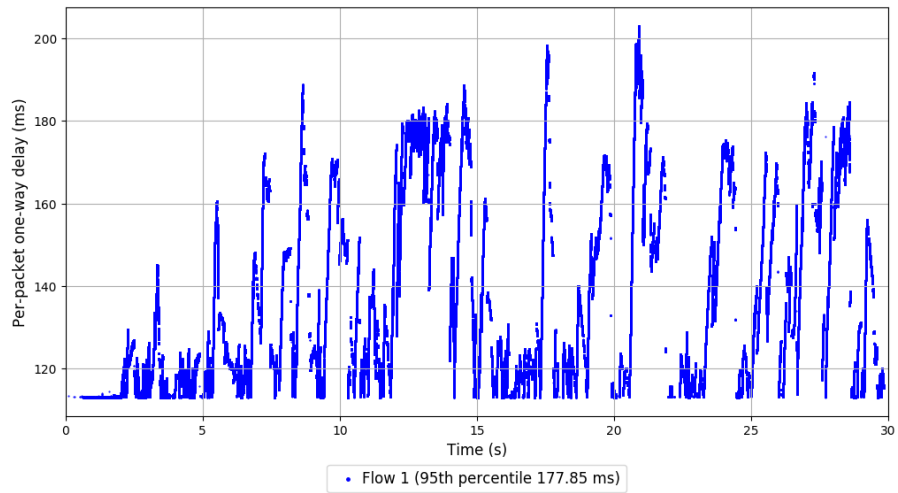
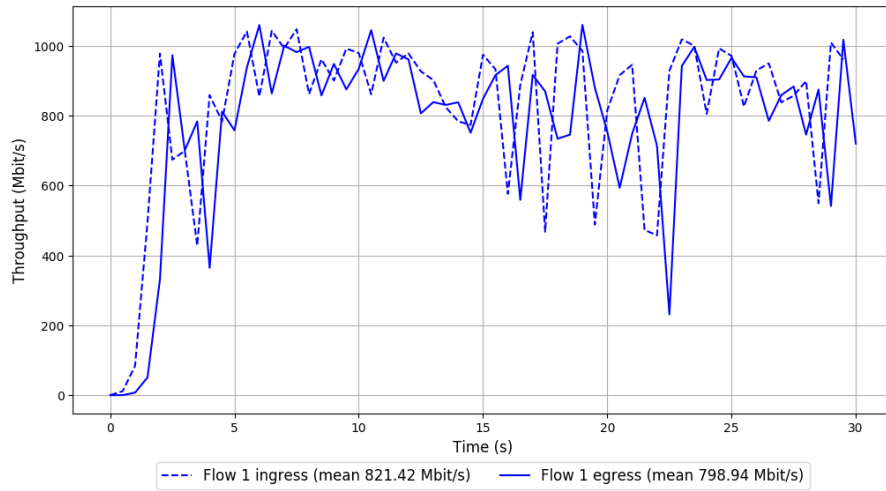
-- Flow 1:

Average throughput: 798.94 Mbit/s

95th percentile per-packet one-way delay: 177.851 ms

Loss rate: 3.47%

Run 4: Report of FillP — Data Link



Run 5: Statistics of FillP

Start at: 2019-05-29 20:39:17

End at: 2019-05-29 20:39:47

Local clock offset: 2.364 ms

Remote clock offset: 1.882 ms

Below is generated by plot.py at 2019-05-29 21:29:26

Datalink statistics

-- Total of 1 flow:

Average throughput: 759.35 Mbit/s

95th percentile per-packet one-way delay: 175.385 ms

Loss rate: 3.36%

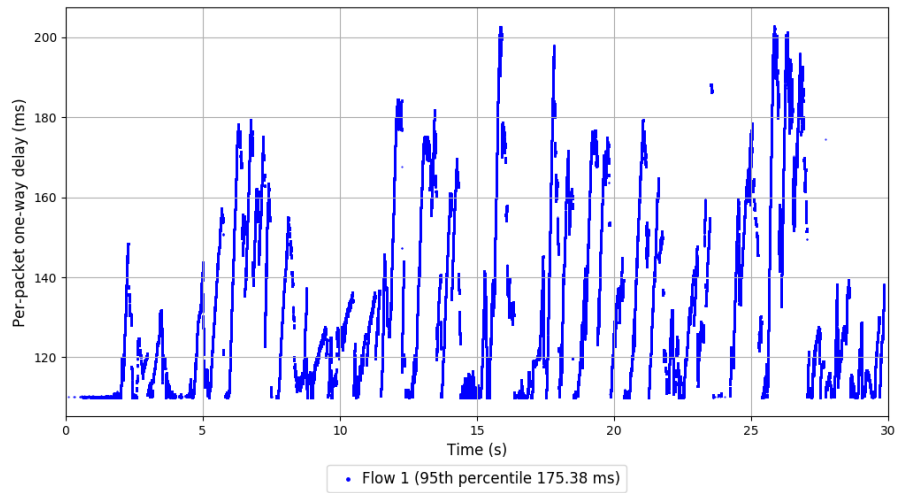
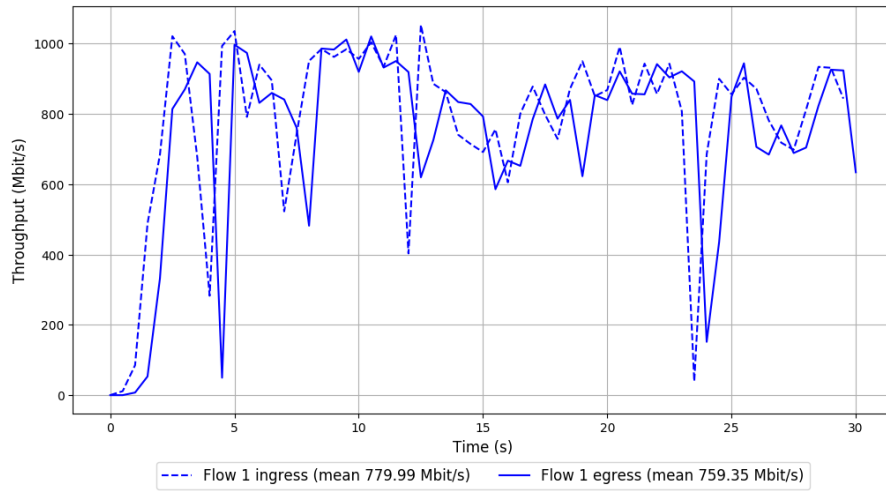
-- Flow 1:

Average throughput: 759.35 Mbit/s

95th percentile per-packet one-way delay: 175.385 ms

Loss rate: 3.36%

Run 5: Report of FillP — Data Link



Run 1: Statistics of FillP-Sheep

Start at: 2019-05-29 18:23:28

End at: 2019-05-29 18:23:58

Local clock offset: 15.055 ms

Remote clock offset: 12.852 ms

Below is generated by plot.py at 2019-05-29 21:29:33

Datalink statistics

-- Total of 1 flow:

Average throughput: 797.42 Mbit/s

95th percentile per-packet one-way delay: 162.715 ms

Loss rate: 1.45%

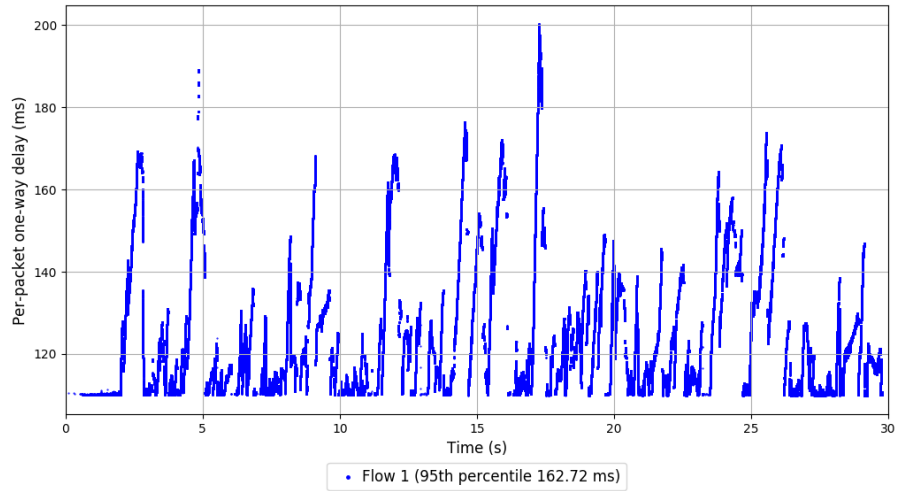
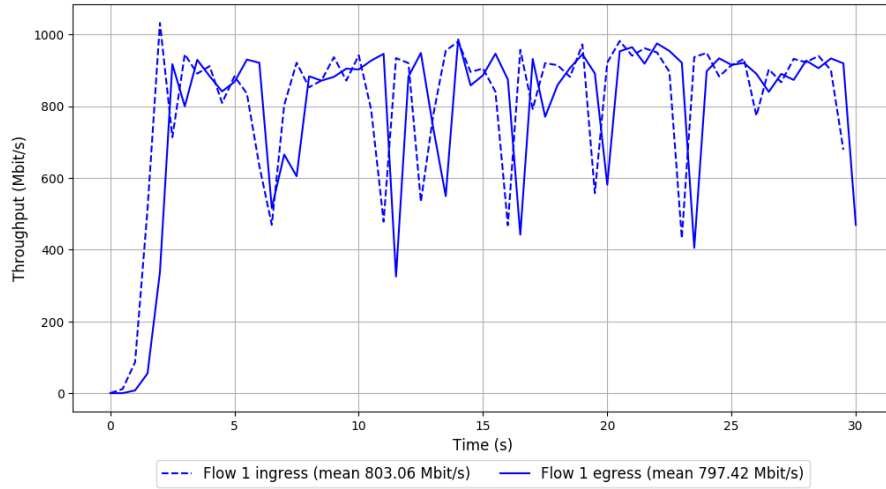
-- Flow 1:

Average throughput: 797.42 Mbit/s

95th percentile per-packet one-way delay: 162.715 ms

Loss rate: 1.45%

Run 1: Report of FillP-Sheep — Data Link

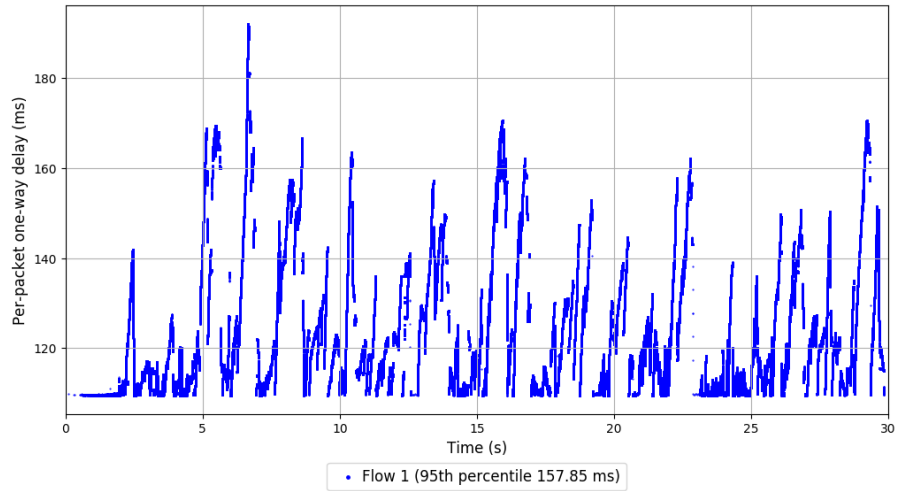
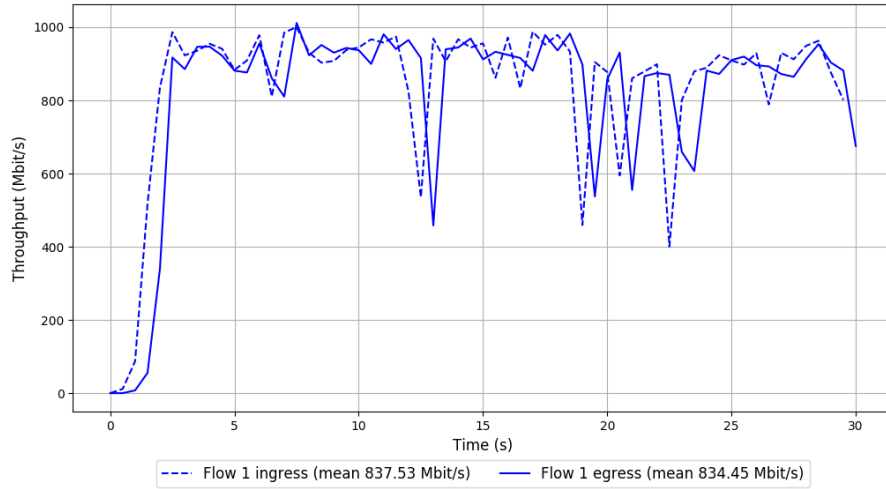


Run 2: Statistics of FillP-Sheep

Start at: 2019-05-29 18:55:05
End at: 2019-05-29 18:55:35
Local clock offset: 19.472 ms
Remote clock offset: 16.767 ms

Below is generated by plot.py at 2019-05-29 21:31:01
Datalink statistics
-- Total of 1 flow:
Average throughput: 834.45 Mbit/s
95th percentile per-packet one-way delay: 157.848 ms
Loss rate: 1.11%
-- Flow 1:
Average throughput: 834.45 Mbit/s
95th percentile per-packet one-way delay: 157.848 ms
Loss rate: 1.11%

Run 2: Report of FillP-Sheep — Data Link

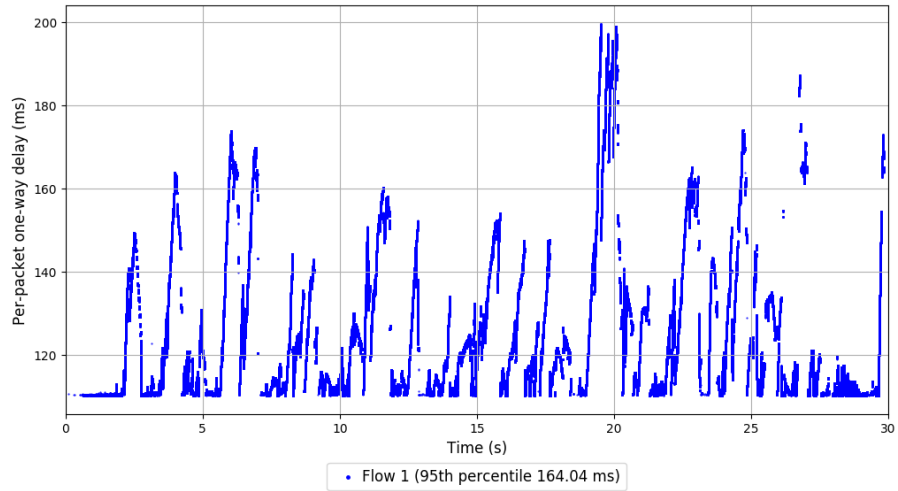
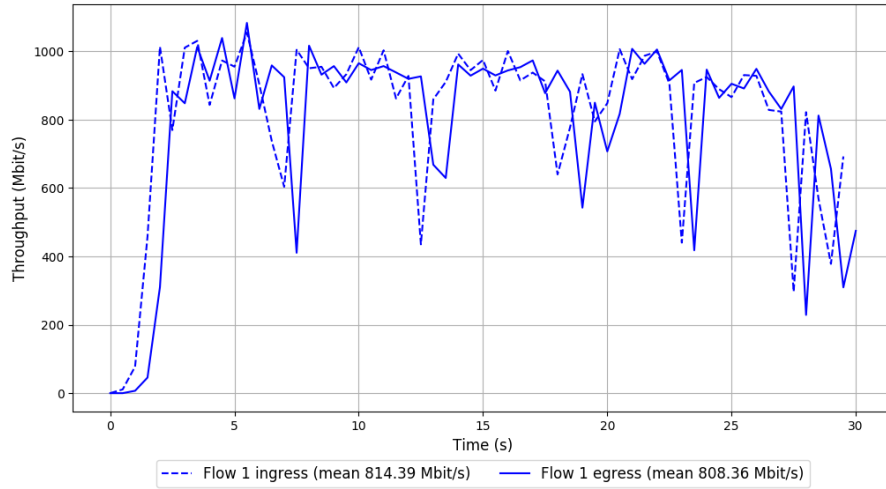


Run 3: Statistics of FillP-Sheep

Start at: 2019-05-29 19:26:15
End at: 2019-05-29 19:26:45
Local clock offset: 16.429 ms
Remote clock offset: 13.782 ms

Below is generated by plot.py at 2019-05-29 21:31:01
Datalink statistics
-- Total of 1 flow:
Average throughput: 808.36 Mbit/s
95th percentile per-packet one-way delay: 164.038 ms
Loss rate: 1.47%
-- Flow 1:
Average throughput: 808.36 Mbit/s
95th percentile per-packet one-way delay: 164.038 ms
Loss rate: 1.47%

Run 3: Report of FillP-Sheep — Data Link



Run 4: Statistics of FillP-Sheep

Start at: 2019-05-29 19:57:54

End at: 2019-05-29 19:58:24

Local clock offset: 9.504 ms

Remote clock offset: 7.66 ms

Below is generated by plot.py at 2019-05-29 21:40:37

Datalink statistics

-- Total of 1 flow:

Average throughput: 770.70 Mbit/s

95th percentile per-packet one-way delay: 163.862 ms

Loss rate: 1.60%

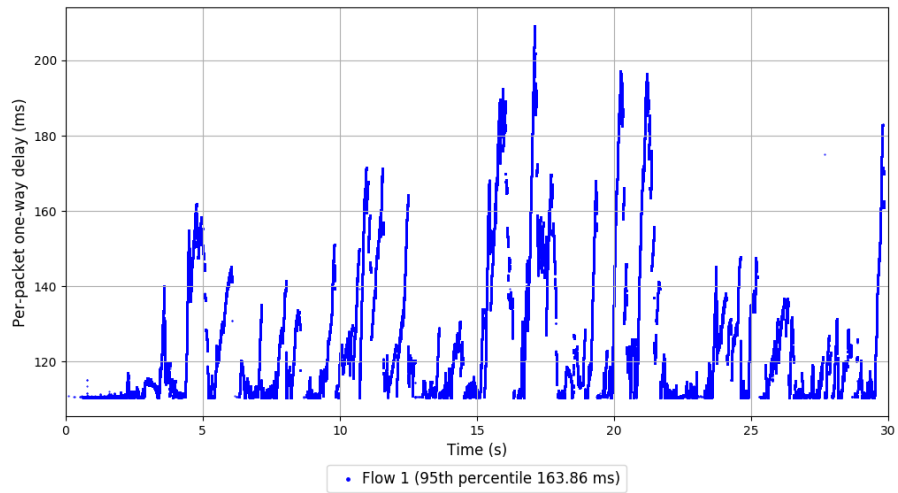
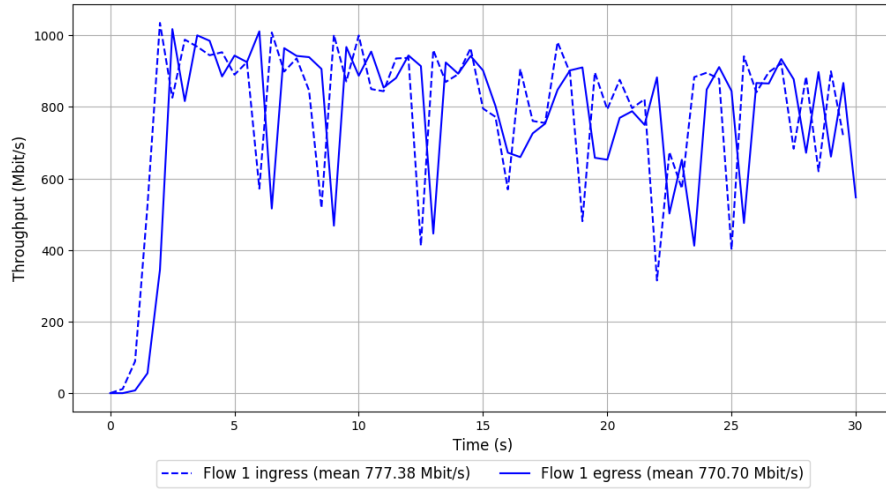
-- Flow 1:

Average throughput: 770.70 Mbit/s

95th percentile per-packet one-way delay: 163.862 ms

Loss rate: 1.60%

Run 4: Report of FillP-Sheep — Data Link



Run 5: Statistics of FillP-Sheep

Start at: 2019-05-29 20:29:10

End at: 2019-05-29 20:29:40

Local clock offset: 5.23 ms

Remote clock offset: 4.145 ms

Below is generated by plot.py at 2019-05-29 21:45:46

Datalink statistics

-- Total of 1 flow:

Average throughput: 790.26 Mbit/s

95th percentile per-packet one-way delay: 180.034 ms

Loss rate: 2.58%

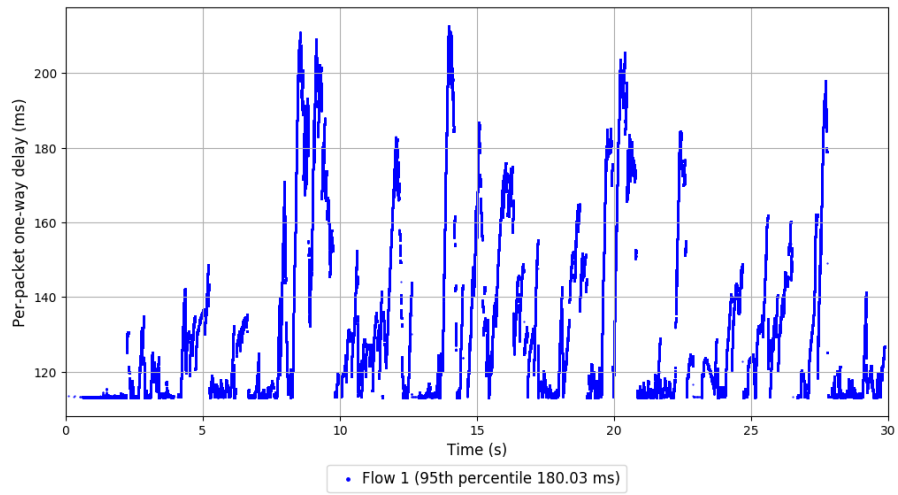
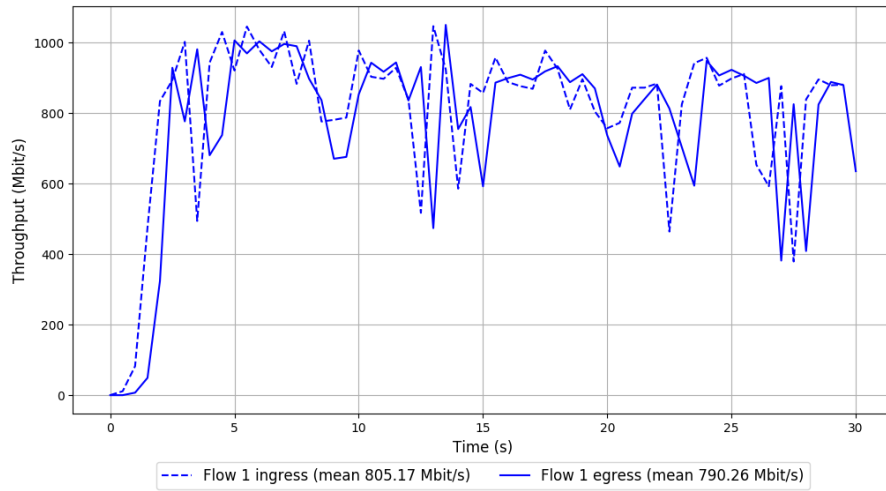
-- Flow 1:

Average throughput: 790.26 Mbit/s

95th percentile per-packet one-way delay: 180.034 ms

Loss rate: 2.58%

Run 5: Report of FillP-Sheep — Data Link



Run 1: Statistics of Indigo

Start at: 2019-05-29 18:15:53

End at: 2019-05-29 18:16:23

Local clock offset: 10.985 ms

Remote clock offset: 8.42 ms

Below is generated by plot.py at 2019-05-29 21:45:46

Datalink statistics

-- Total of 1 flow:

Average throughput: 154.40 Mbit/s

95th percentile per-packet one-way delay: 112.194 ms

Loss rate: 0.88%

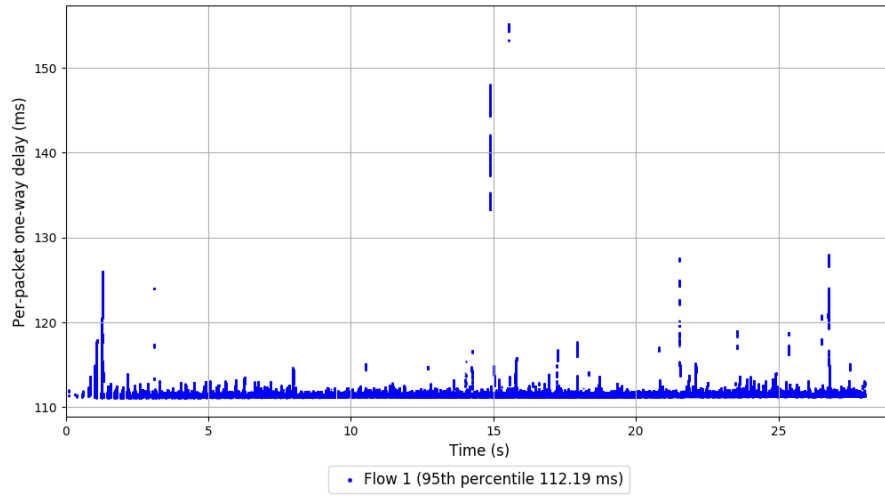
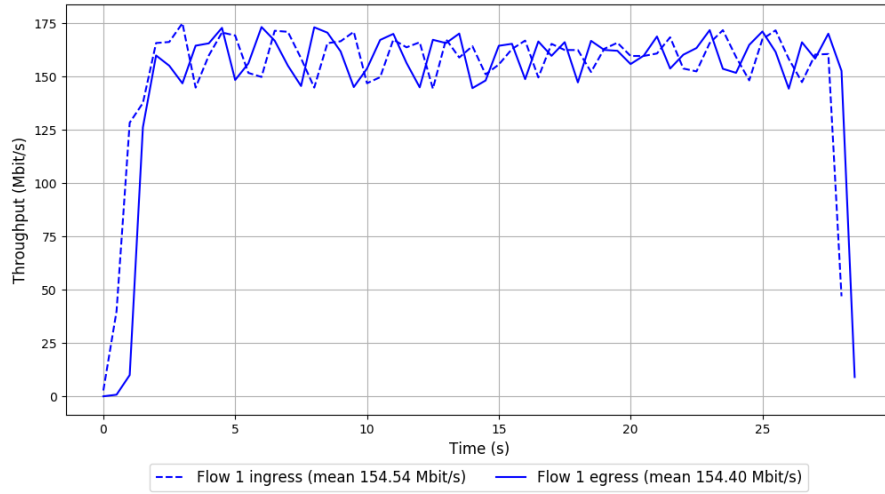
-- Flow 1:

Average throughput: 154.40 Mbit/s

95th percentile per-packet one-way delay: 112.194 ms

Loss rate: 0.88%

Run 1: Report of Indigo — Data Link

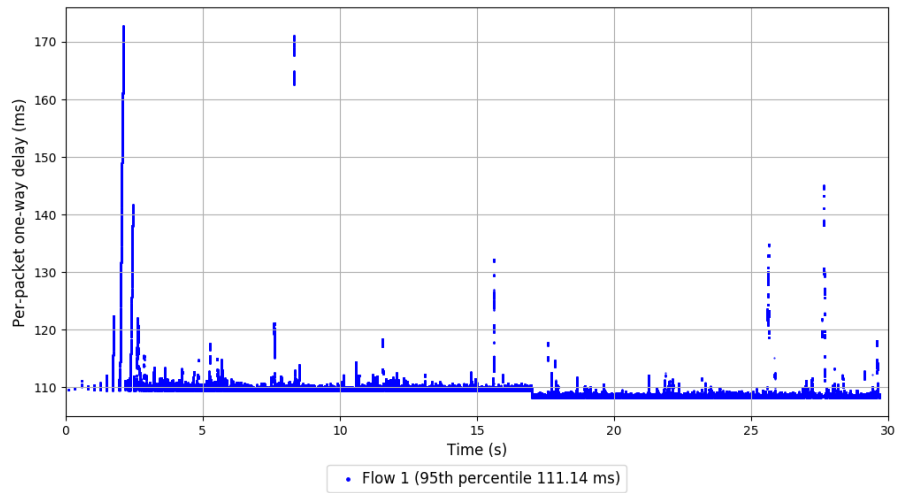
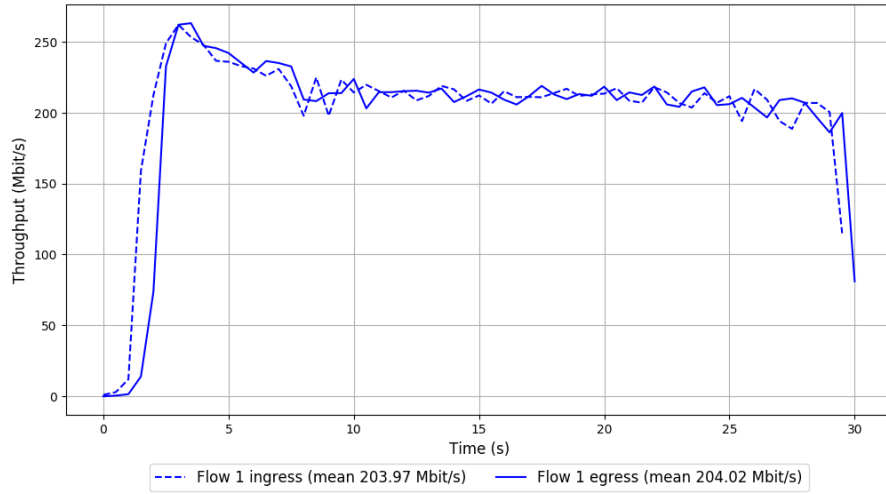


Run 2: Statistics of Indigo

Start at: 2019-05-29 18:47:32
End at: 2019-05-29 18:48:02
Local clock offset: 17.976 ms
Remote clock offset: 15.819 ms

Below is generated by plot.py at 2019-05-29 21:45:46
Datalink statistics
-- Total of 1 flow:
Average throughput: 204.02 Mbit/s
95th percentile per-packet one-way delay: 111.135 ms
Loss rate: 0.72%
-- Flow 1:
Average throughput: 204.02 Mbit/s
95th percentile per-packet one-way delay: 111.135 ms
Loss rate: 0.72%

Run 2: Report of Indigo — Data Link

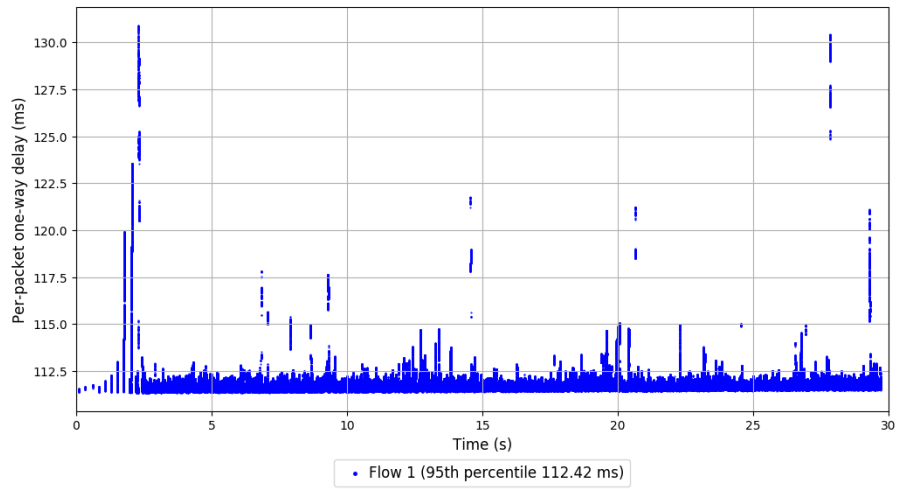
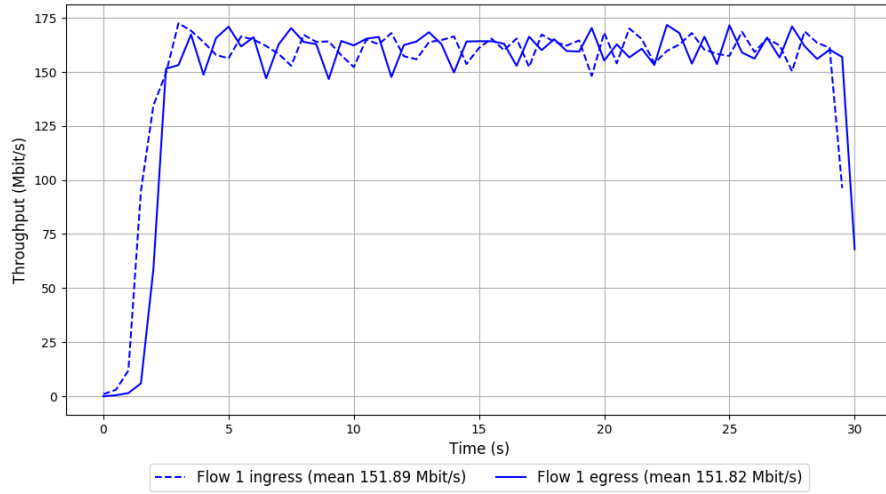


Run 3: Statistics of Indigo

Start at: 2019-05-29 19:18:50
End at: 2019-05-29 19:19:20
Local clock offset: 27.694 ms
Remote clock offset: 22.405 ms

Below is generated by plot.py at 2019-05-29 21:45:46
Datalink statistics
-- Total of 1 flow:
Average throughput: 151.82 Mbit/s
95th percentile per-packet one-way delay: 112.417 ms
Loss rate: 0.79%
-- Flow 1:
Average throughput: 151.82 Mbit/s
95th percentile per-packet one-way delay: 112.417 ms
Loss rate: 0.79%

Run 3: Report of Indigo — Data Link

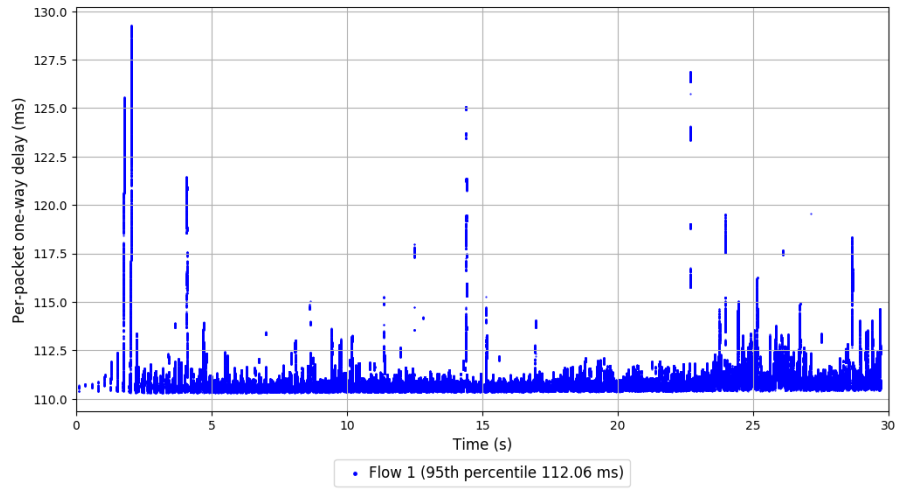
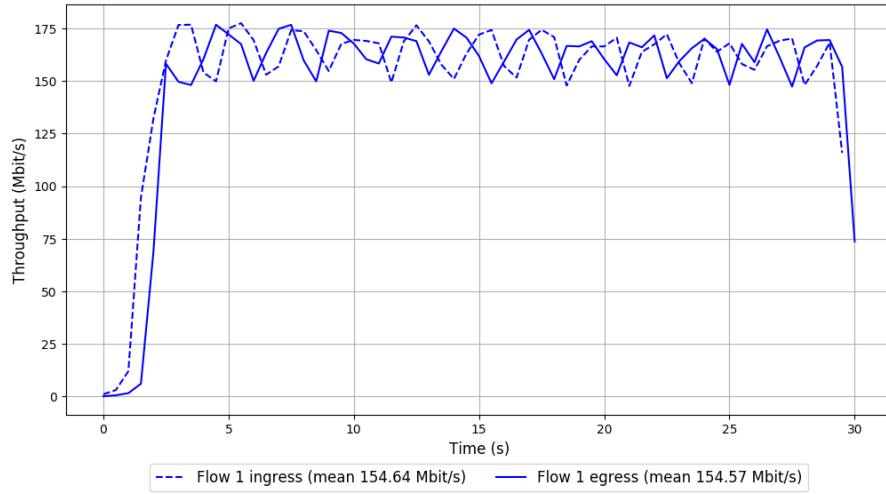


Run 4: Statistics of Indigo

Start at: 2019-05-29 19:50:18
End at: 2019-05-29 19:50:48
Local clock offset: 18.036 ms
Remote clock offset: 14.704 ms

Below is generated by plot.py at 2019-05-29 21:45:46
Datalink statistics
-- Total of 1 flow:
Average throughput: 154.57 Mbit/s
95th percentile per-packet one-way delay: 112.059 ms
Loss rate: 0.80%
-- Flow 1:
Average throughput: 154.57 Mbit/s
95th percentile per-packet one-way delay: 112.059 ms
Loss rate: 0.80%

Run 4: Report of Indigo — Data Link



Run 5: Statistics of Indigo

Start at: 2019-05-29 20:21:35

End at: 2019-05-29 20:22:05

Local clock offset: 8.67 ms

Remote clock offset: 7.23 ms

Below is generated by plot.py at 2019-05-29 21:45:46

Datalink statistics

-- Total of 1 flow:

Average throughput: 210.71 Mbit/s

95th percentile per-packet one-way delay: 111.515 ms

Loss rate: 0.80%

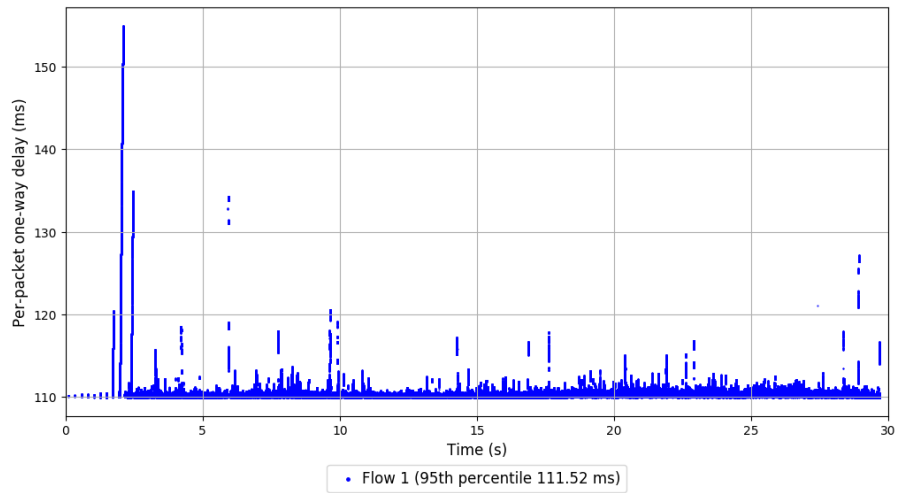
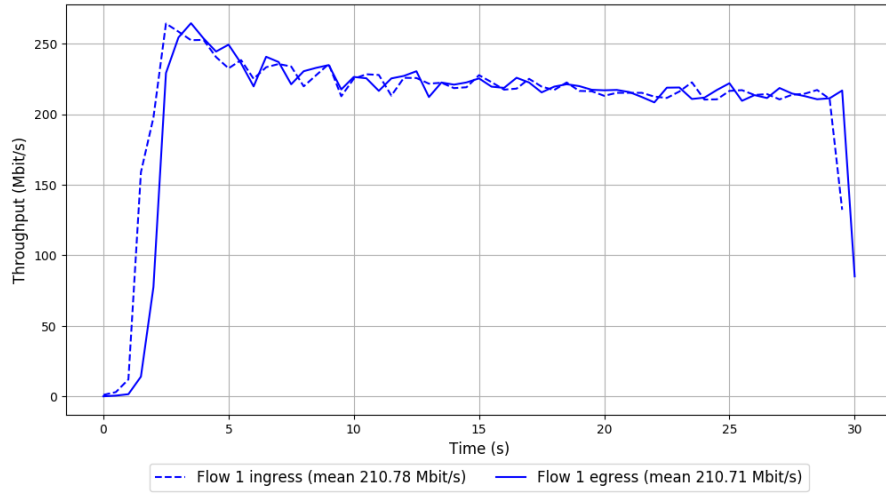
-- Flow 1:

Average throughput: 210.71 Mbit/s

95th percentile per-packet one-way delay: 111.515 ms

Loss rate: 0.80%

Run 5: Report of Indigo — Data Link



Run 1: Statistics of Indigo-MusesC3

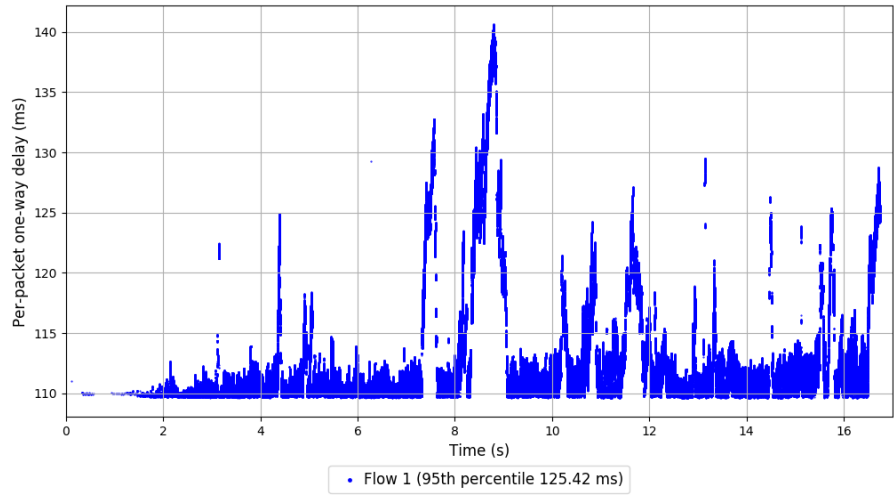
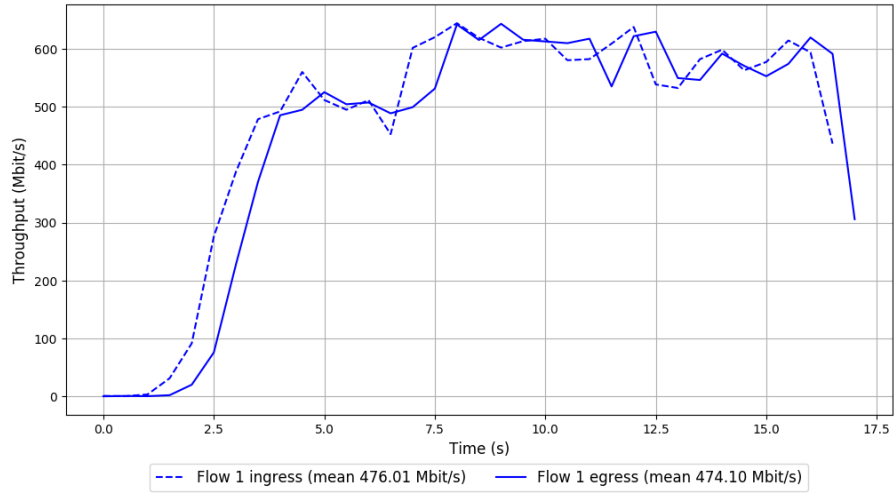
Start at: 2019-05-29 18:12:59

End at: 2019-05-29 18:13:29

Local clock offset: 5.488 ms

Remote clock offset: 4.918 ms

Run 1: Report of Indigo-MusesC3 — Data Link

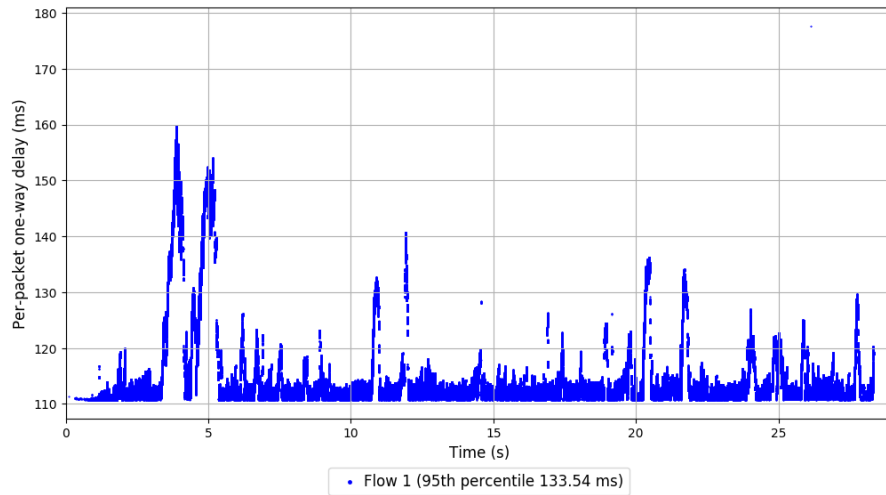
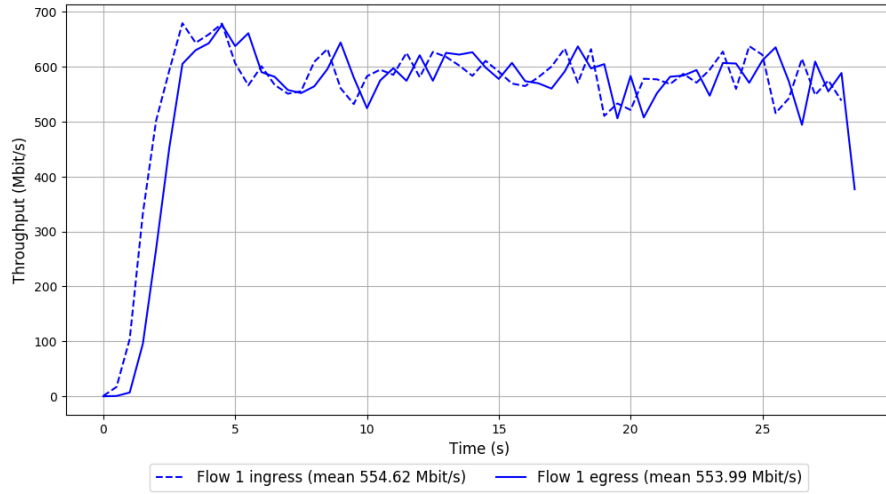


Run 2: Statistics of Indigo-MusesC3

Start at: 2019-05-29 18:44:24
End at: 2019-05-29 18:44:54
Local clock offset: 20.878 ms
Remote clock offset: 17.279 ms

Below is generated by plot.py at 2019-05-29 21:45:46
Datalink statistics
-- Total of 1 flow:
Average throughput: 553.99 Mbit/s
95th percentile per-packet one-way delay: 133.540 ms
Loss rate: 0.89%
-- Flow 1:
Average throughput: 553.99 Mbit/s
95th percentile per-packet one-way delay: 133.540 ms
Loss rate: 0.89%

Run 2: Report of Indigo-MusesC3 — Data Link

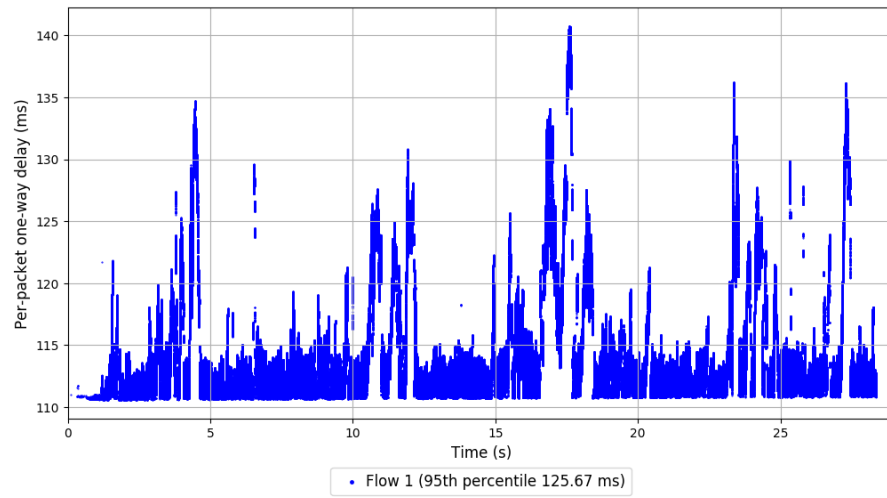
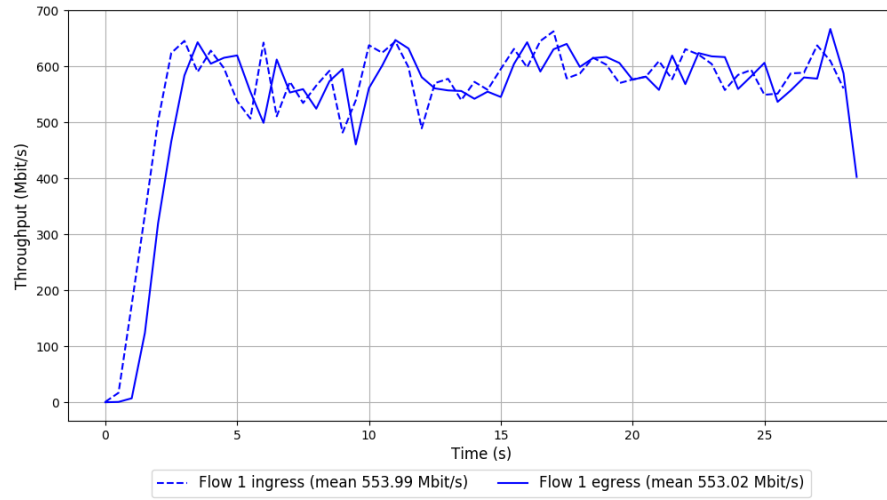


Run 3: Statistics of Indigo-MusesC3

Start at: 2019-05-29 19:15:41
End at: 2019-05-29 19:16:11
Local clock offset: 36.795 ms
Remote clock offset: 30.788 ms

Below is generated by plot.py at 2019-05-29 21:45:46
Datalink statistics
-- Total of 1 flow:
Average throughput: 553.02 Mbit/s
95th percentile per-packet one-way delay: 125.669 ms
Loss rate: 0.95%
-- Flow 1:
Average throughput: 553.02 Mbit/s
95th percentile per-packet one-way delay: 125.669 ms
Loss rate: 0.95%

Run 3: Report of Indigo-MusesC3 — Data Link

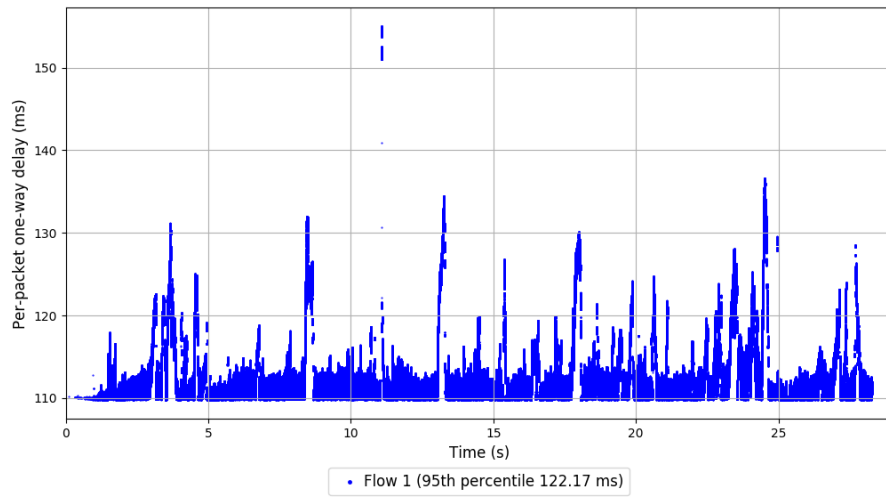
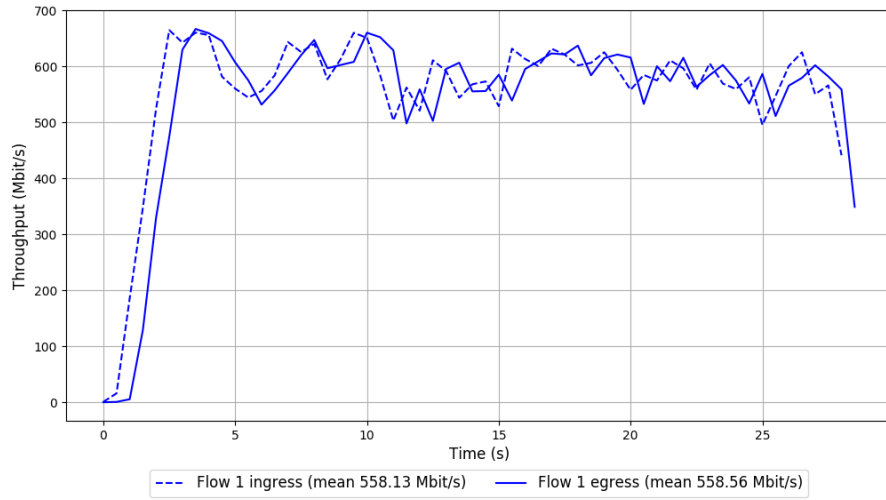


Run 4: Statistics of Indigo-MusesC3

Start at: 2019-05-29 19:47:10
End at: 2019-05-29 19:47:40
Local clock offset: 17.522 ms
Remote clock offset: 15.128 ms

Below is generated by plot.py at 2019-05-29 21:45:46
Datalink statistics
-- Total of 1 flow:
Average throughput: 558.56 Mbit/s
95th percentile per-packet one-way delay: 122.167 ms
Loss rate: 0.70%
-- Flow 1:
Average throughput: 558.56 Mbit/s
95th percentile per-packet one-way delay: 122.167 ms
Loss rate: 0.70%

Run 4: Report of Indigo-MusesC3 — Data Link



Run 5: Statistics of Indigo-MusesC3

Start at: 2019-05-29 20:18:27

End at: 2019-05-29 20:18:57

Local clock offset: 8.275 ms

Remote clock offset: 6.662 ms

Below is generated by plot.py at 2019-05-29 21:45:53

Datalink statistics

-- Total of 1 flow:

Average throughput: 563.17 Mbit/s

95th percentile per-packet one-way delay: 131.451 ms

Loss rate: 0.76%

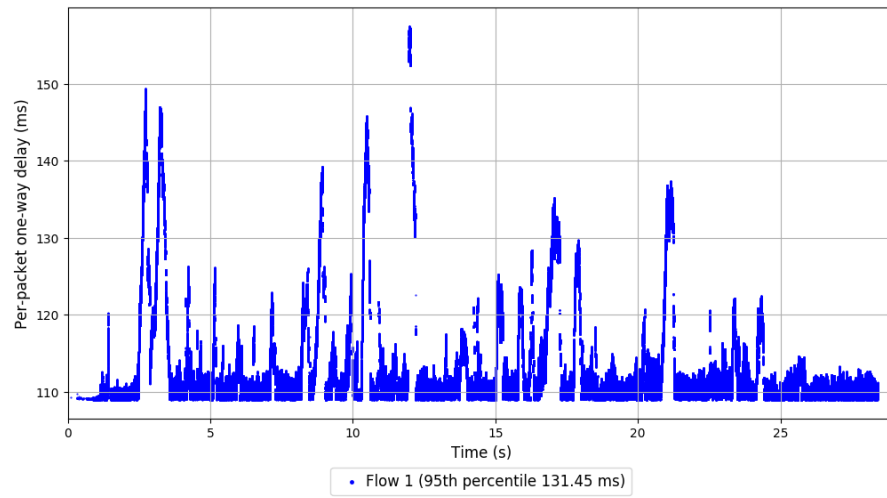
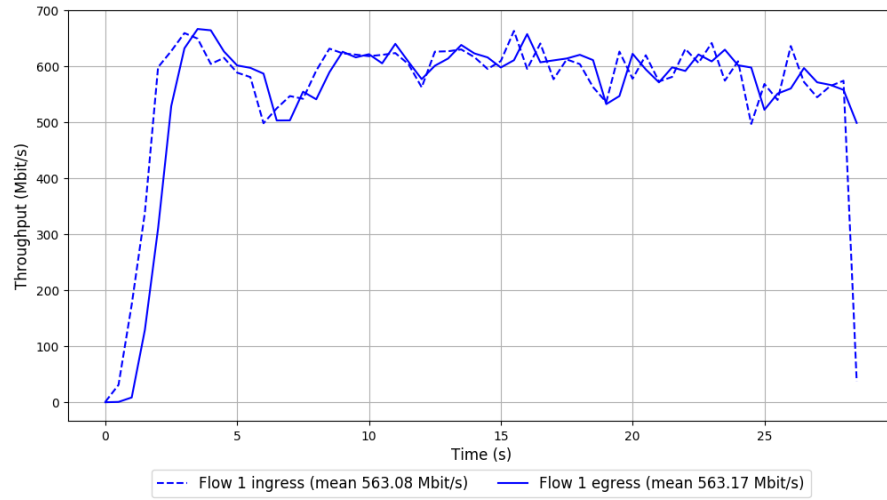
-- Flow 1:

Average throughput: 563.17 Mbit/s

95th percentile per-packet one-way delay: 131.451 ms

Loss rate: 0.76%

Run 5: Report of Indigo-MusesC3 — Data Link

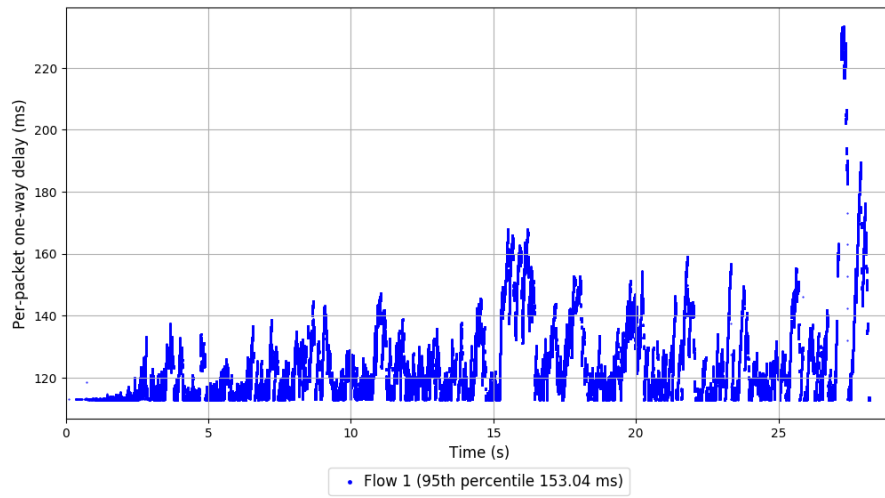
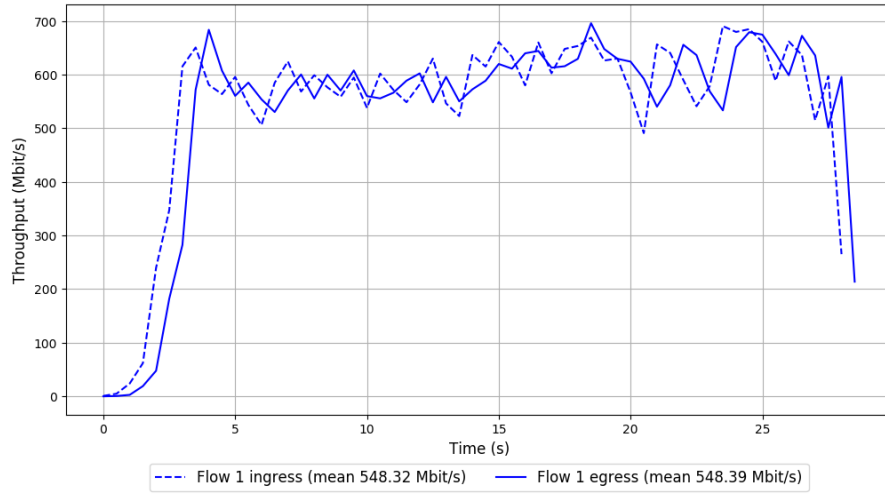


Run 1: Statistics of Indigo-MusesC5

Start at: 2019-05-29 18:31:56
End at: 2019-05-29 18:32:26
Local clock offset: 13.685 ms
Remote clock offset: 11.719 ms

Below is generated by plot.py at 2019-05-29 21:46:13
Datalink statistics
-- Total of 1 flow:
Average throughput: 548.39 Mbit/s
95th percentile per-packet one-way delay: 153.037 ms
Loss rate: 0.78%
-- Flow 1:
Average throughput: 548.39 Mbit/s
95th percentile per-packet one-way delay: 153.037 ms
Loss rate: 0.78%

Run 1: Report of Indigo-MusesC5 — Data Link

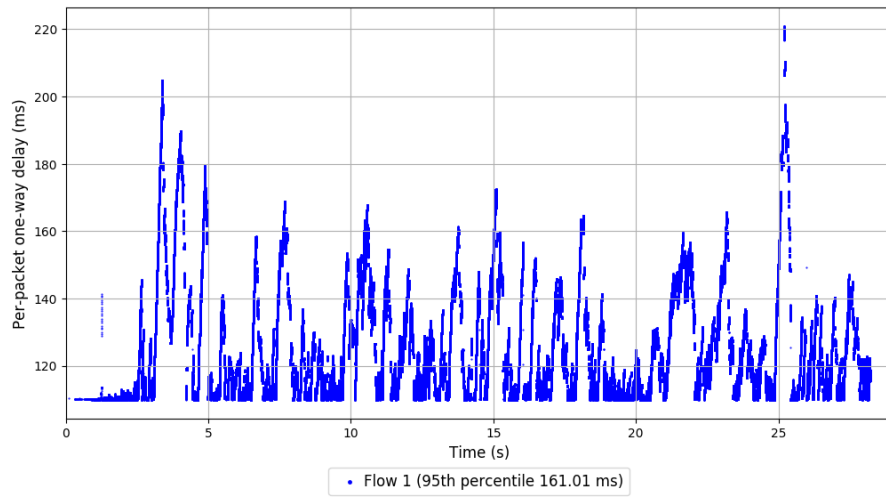
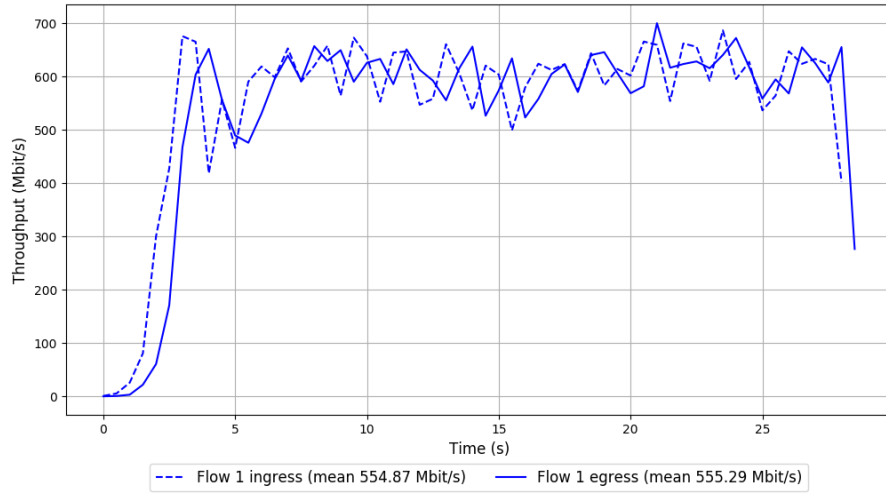


Run 2: Statistics of Indigo-MusesC5

Start at: 2019-05-29 19:03:27
End at: 2019-05-29 19:03:57
Local clock offset: 25.549 ms
Remote clock offset: 21.805 ms

Below is generated by plot.py at 2019-05-29 21:48:22
Datalink statistics
-- Total of 1 flow:
Average throughput: 555.29 Mbit/s
95th percentile per-packet one-way delay: 161.008 ms
Loss rate: 0.90%
-- Flow 1:
Average throughput: 555.29 Mbit/s
95th percentile per-packet one-way delay: 161.008 ms
Loss rate: 0.90%

Run 2: Report of Indigo-MusesC5 — Data Link

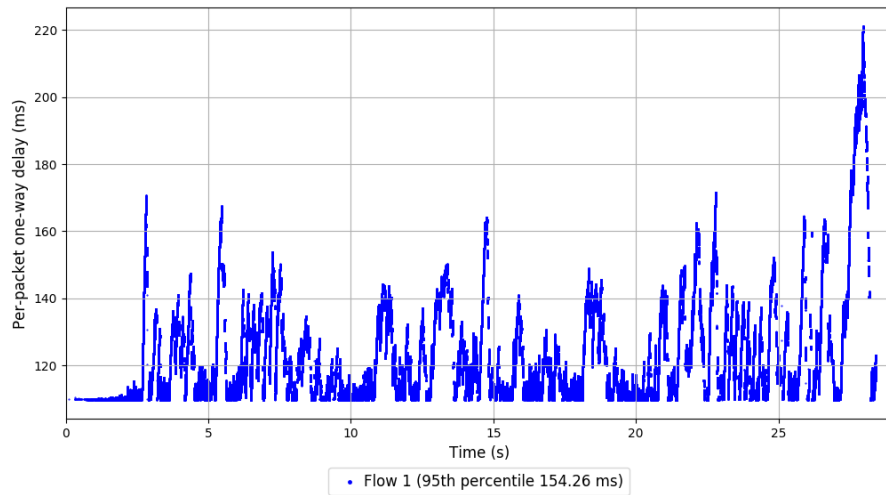
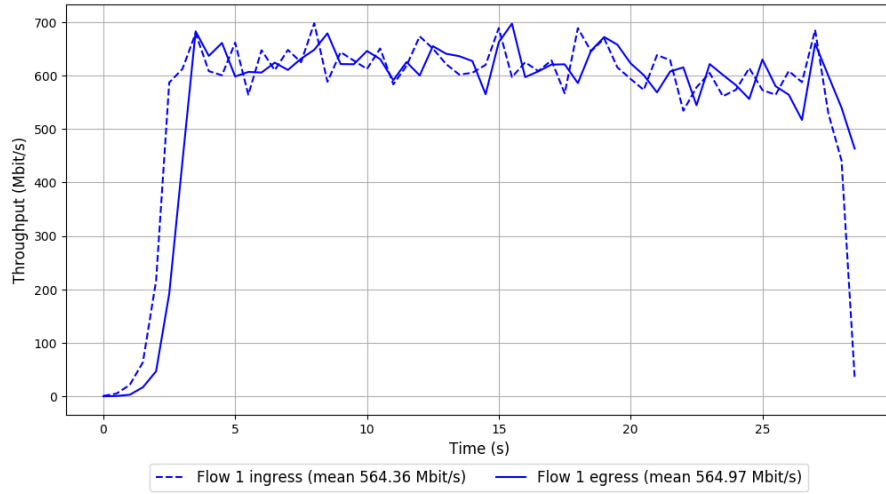


Run 3: Statistics of Indigo-MusesC5

Start at: 2019-05-29 19:34:44
End at: 2019-05-29 19:35:14
Local clock offset: 13.932 ms
Remote clock offset: 11.966 ms

Below is generated by plot.py at 2019-05-29 21:50:24
Datalink statistics
-- Total of 1 flow:
Average throughput: 564.97 Mbit/s
95th percentile per-packet one-way delay: 154.265 ms
Loss rate: 0.67%
-- Flow 1:
Average throughput: 564.97 Mbit/s
95th percentile per-packet one-way delay: 154.265 ms
Loss rate: 0.67%

Run 3: Report of Indigo-MusesC5 — Data Link



Run 4: Statistics of Indigo-MusesC5

Start at: 2019-05-29 20:06:18

End at: 2019-05-29 20:06:48

Local clock offset: 6.96 ms

Remote clock offset: 5.728 ms

Below is generated by plot.py at 2019-05-29 21:53:28

Datalink statistics

-- Total of 1 flow:

Average throughput: 545.20 Mbit/s

95th percentile per-packet one-way delay: 173.873 ms

Loss rate: 1.37%

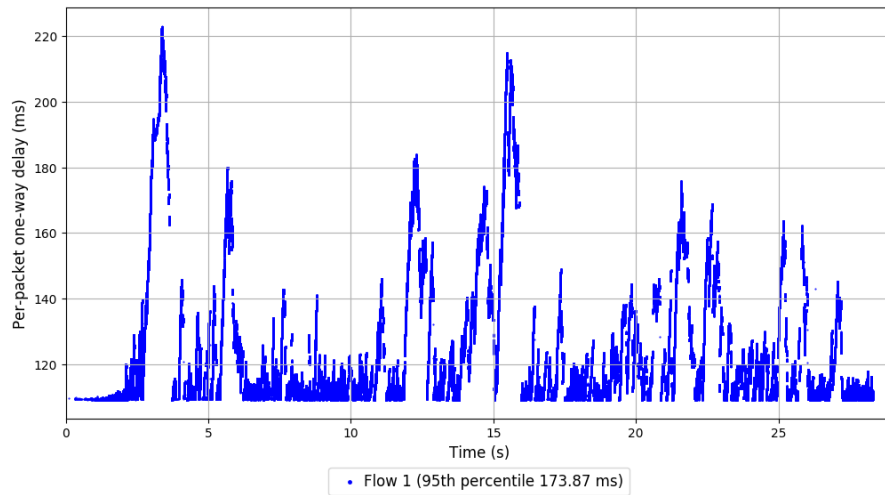
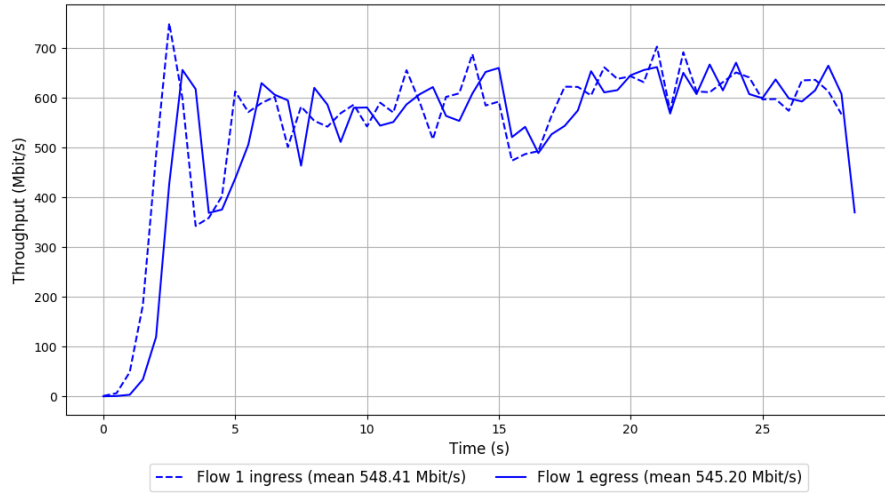
-- Flow 1:

Average throughput: 545.20 Mbit/s

95th percentile per-packet one-way delay: 173.873 ms

Loss rate: 1.37%

Run 4: Report of Indigo-MusesC5 — Data Link



Run 5: Statistics of Indigo-MusesC5

Start at: 2019-05-29 20:37:37

End at: 2019-05-29 20:38:07

Local clock offset: 2.631 ms

Remote clock offset: 2.042 ms

Below is generated by plot.py at 2019-05-29 21:54:28

Datalink statistics

-- Total of 1 flow:

Average throughput: 573.31 Mbit/s

95th percentile per-packet one-way delay: 160.553 ms

Loss rate: 0.91%

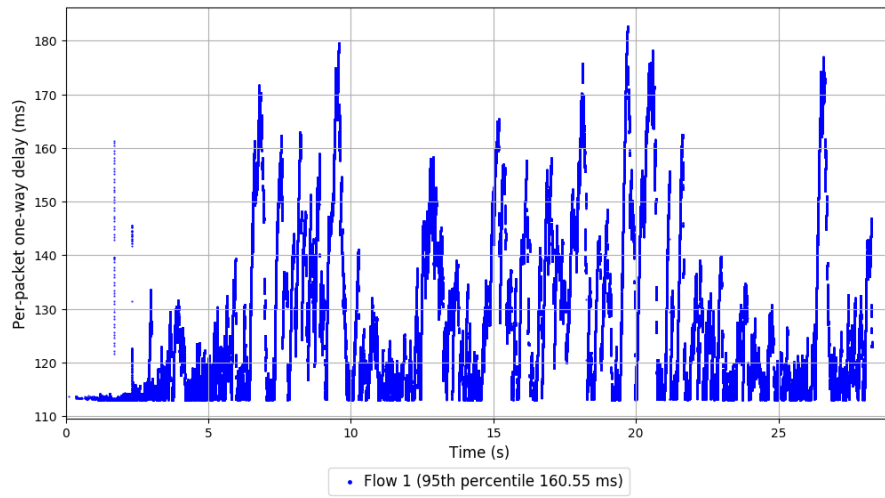
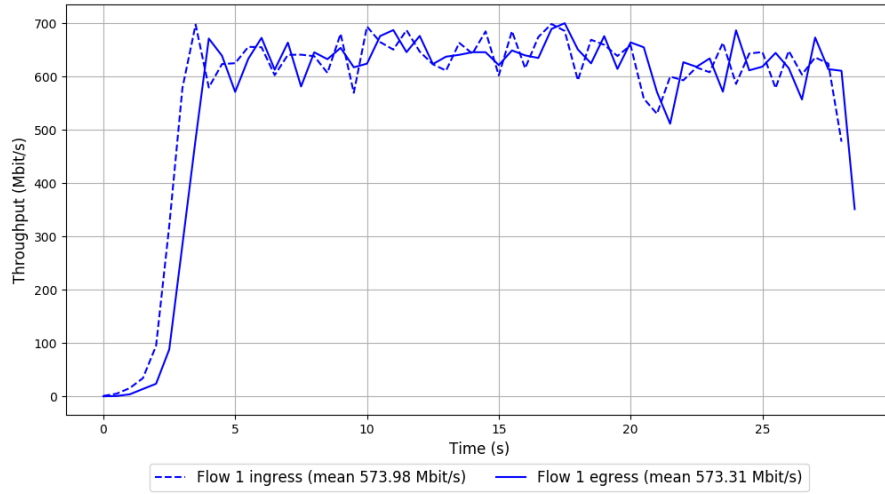
-- Flow 1:

Average throughput: 573.31 Mbit/s

95th percentile per-packet one-way delay: 160.553 ms

Loss rate: 0.91%

Run 5: Report of Indigo-MusesC5 — Data Link



Run 1: Statistics of Indigo-MusesD

Start at: 2019-05-29 18:20:10

End at: 2019-05-29 18:20:40

Local clock offset: 9.626 ms

Remote clock offset: 8.506 ms

Below is generated by plot.py at 2019-05-29 21:54:28

Datalink statistics

-- Total of 1 flow:

Average throughput: 550.42 Mbit/s

95th percentile per-packet one-way delay: 141.868 ms

Loss rate: 1.02%

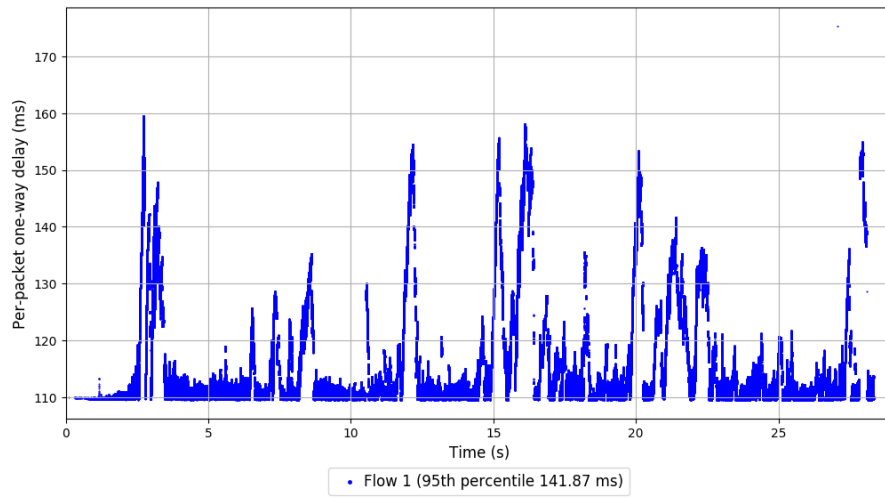
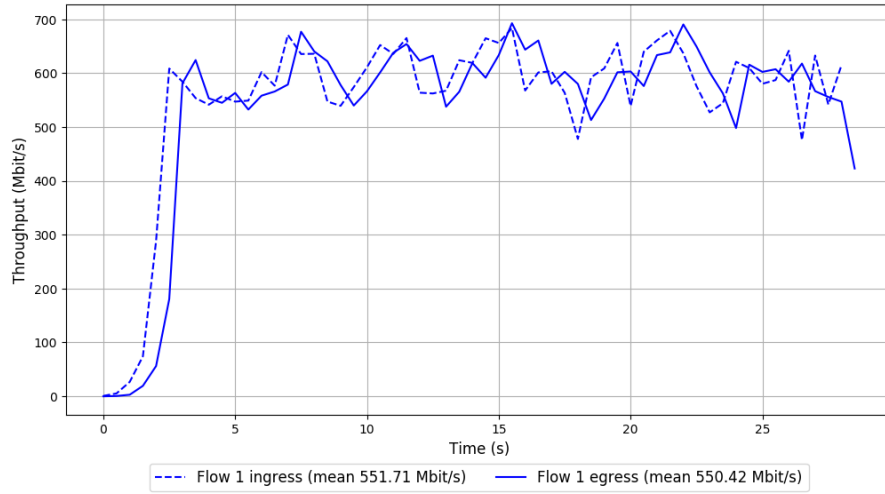
-- Flow 1:

Average throughput: 550.42 Mbit/s

95th percentile per-packet one-way delay: 141.868 ms

Loss rate: 1.02%

Run 1: Report of Indigo-MusesD — Data Link



Run 2: Statistics of Indigo-MusesD

Start at: 2019-05-29 18:51:51

End at: 2019-05-29 18:52:21

Local clock offset: 18.446 ms

Remote clock offset: 15.79 ms

Below is generated by plot.py at 2019-05-29 21:54:28

Datalink statistics

-- Total of 1 flow:

Average throughput: 434.77 Mbit/s

95th percentile per-packet one-way delay: 125.424 ms

Loss rate: 1.09%

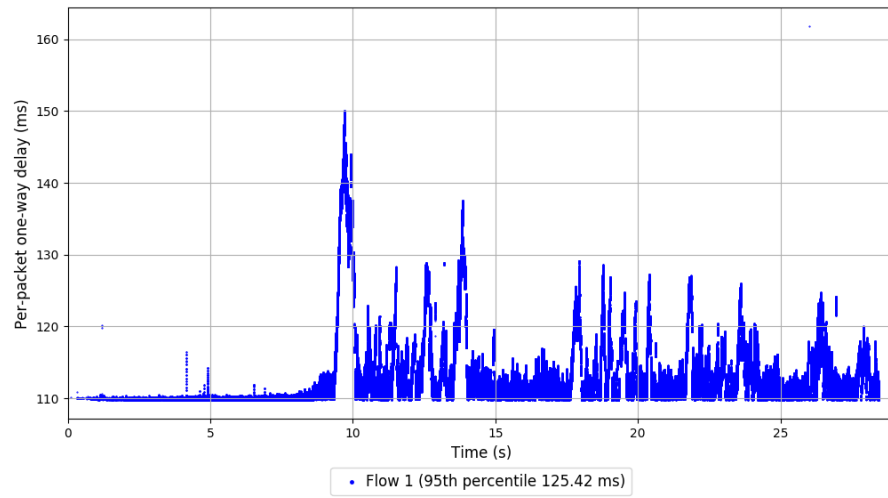
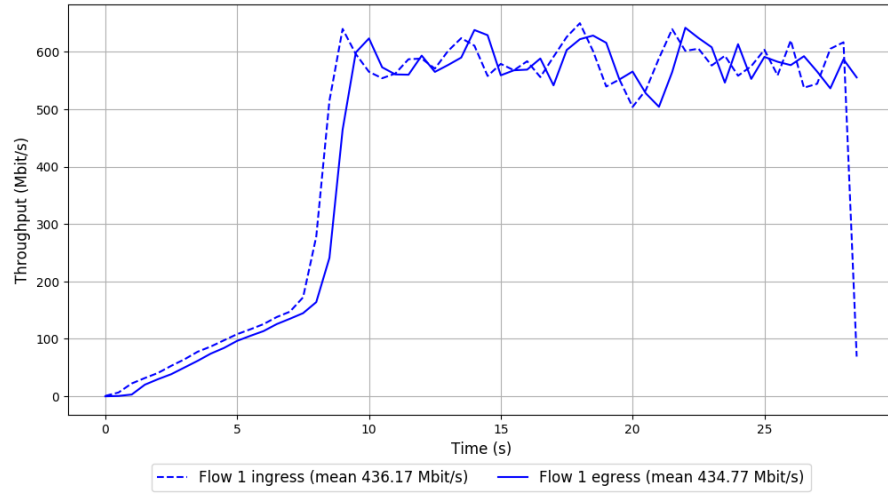
-- Flow 1:

Average throughput: 434.77 Mbit/s

95th percentile per-packet one-way delay: 125.424 ms

Loss rate: 1.09%

Run 2: Report of Indigo-MusesD — Data Link

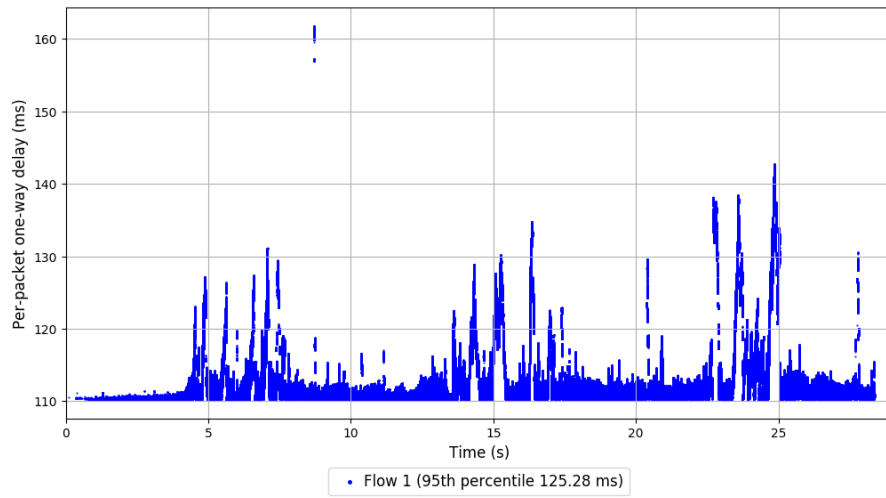
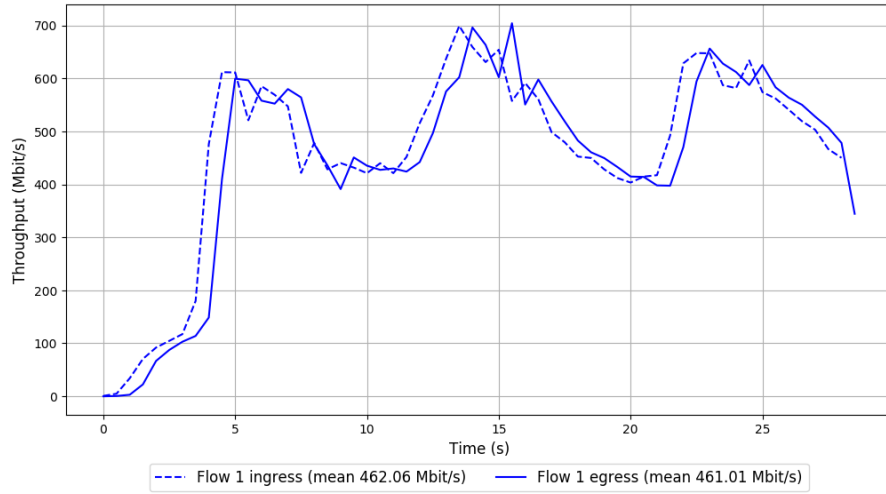


Run 3: Statistics of Indigo-MusesD

Start at: 2019-05-29 19:23:01
End at: 2019-05-29 19:23:31
Local clock offset: 19.581 ms
Remote clock offset: 16.151 ms

Below is generated by plot.py at 2019-05-29 21:54:28
Datalink statistics
-- Total of 1 flow:
Average throughput: 461.01 Mbit/s
95th percentile per-packet one-way delay: 125.276 ms
Loss rate: 1.00%
-- Flow 1:
Average throughput: 461.01 Mbit/s
95th percentile per-packet one-way delay: 125.276 ms
Loss rate: 1.00%

Run 3: Report of Indigo-MusesD — Data Link



Run 4: Statistics of Indigo-MusesD

Start at: 2019-05-29 19:54:40

End at: 2019-05-29 19:55:10

Local clock offset: 12.281 ms

Remote clock offset: 9.624 ms

Below is generated by plot.py at 2019-05-29 21:54:41

Datalink statistics

-- Total of 1 flow:

Average throughput: 470.13 Mbit/s

95th percentile per-packet one-way delay: 134.772 ms

Loss rate: 1.11%

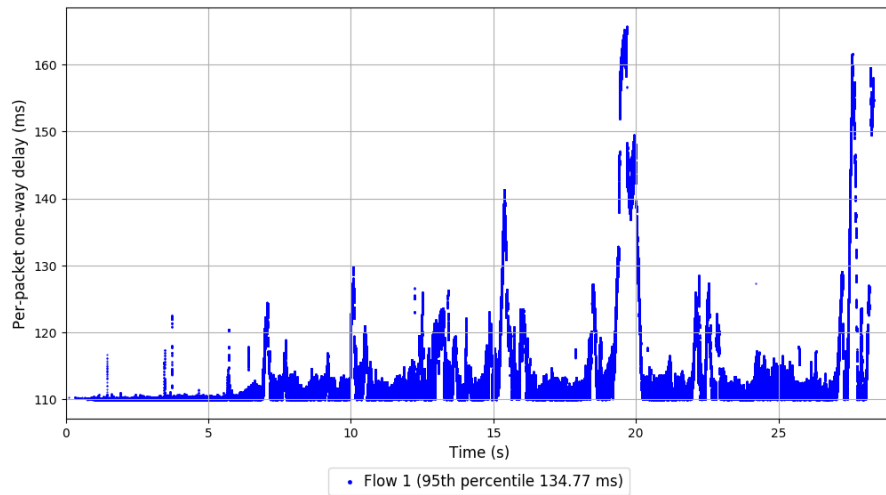
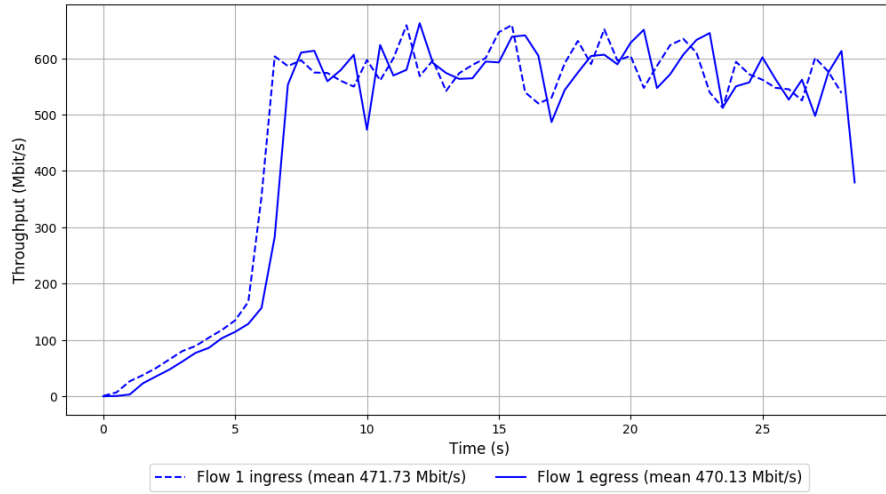
-- Flow 1:

Average throughput: 470.13 Mbit/s

95th percentile per-packet one-way delay: 134.772 ms

Loss rate: 1.11%

Run 4: Report of Indigo-MusesD — Data Link



Run 5: Statistics of Indigo-MusesD

Start at: 2019-05-29 20:26:03

End at: 2019-05-29 20:26:33

Local clock offset: 7.488 ms

Remote clock offset: 5.747 ms

Below is generated by plot.py at 2019-05-29 21:57:01

Datalink statistics

-- Total of 1 flow:

Average throughput: 476.33 Mbit/s

95th percentile per-packet one-way delay: 147.333 ms

Loss rate: 0.44%

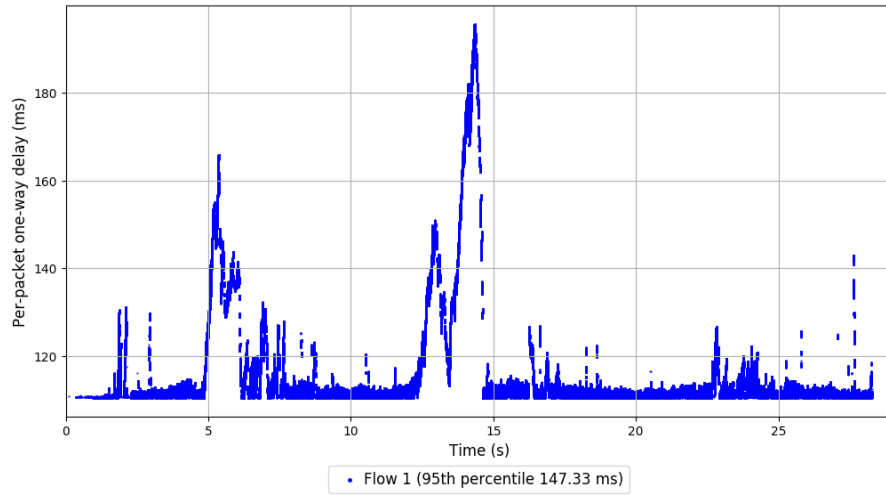
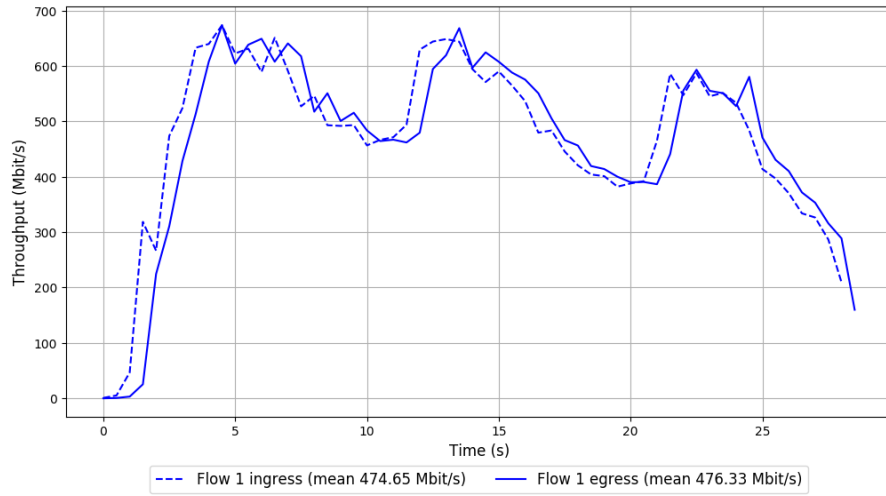
-- Flow 1:

Average throughput: 476.33 Mbit/s

95th percentile per-packet one-way delay: 147.333 ms

Loss rate: 0.44%

Run 5: Report of Indigo-MusesD — Data Link



Run 1: Statistics of Indigo-MuseST

Start at: 2019-05-29 18:21:48

End at: 2019-05-29 18:22:18

Local clock offset: 12.739 ms

Remote clock offset: 10.6 ms

Below is generated by plot.py at 2019-05-29 22:01:55

Datalink statistics

-- Total of 1 flow:

Average throughput: 588.93 Mbit/s

95th percentile per-packet one-way delay: 176.821 ms

Loss rate: 0.96%

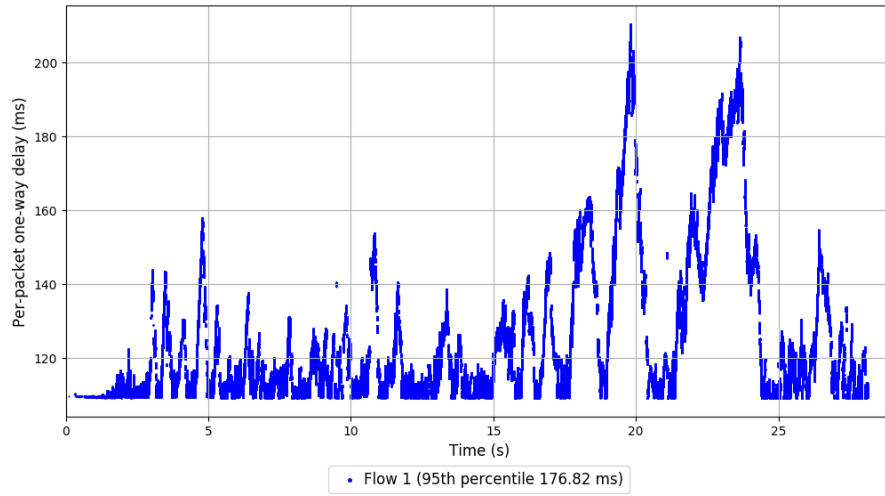
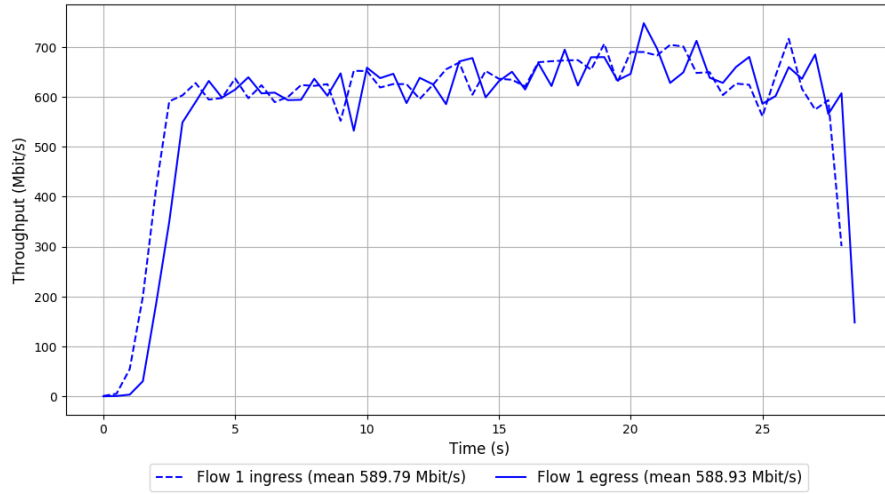
-- Flow 1:

Average throughput: 588.93 Mbit/s

95th percentile per-packet one-way delay: 176.821 ms

Loss rate: 0.96%

Run 1: Report of Indigo-MusesT — Data Link

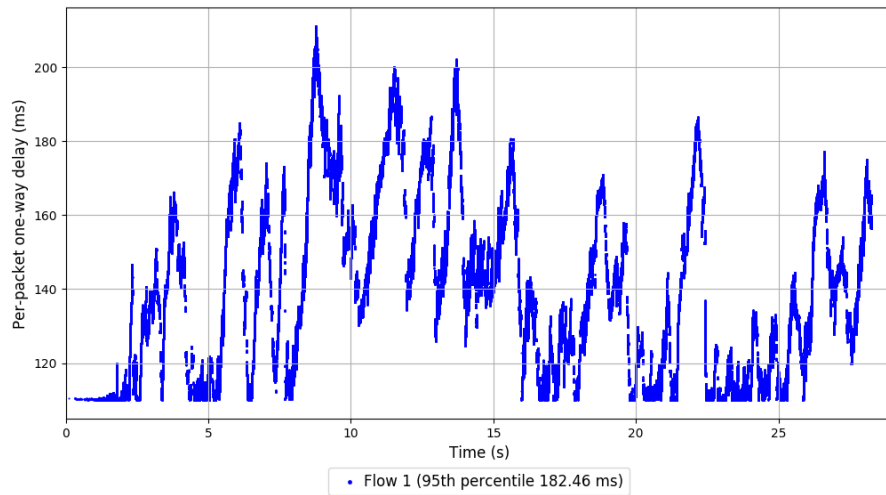
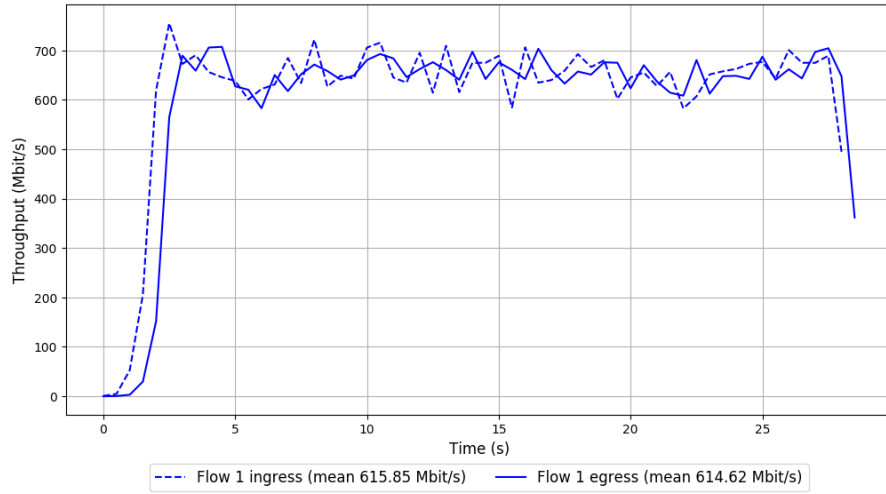


Run 2: Statistics of Indigo-MuseST

Start at: 2019-05-29 18:53:23
End at: 2019-05-29 18:53:54
Local clock offset: 18.966 ms
Remote clock offset: 16.109 ms

Below is generated by plot.py at 2019-05-29 22:03:19
Datalink statistics
-- Total of 1 flow:
Average throughput: 614.62 Mbit/s
95th percentile per-packet one-way delay: 182.456 ms
Loss rate: 0.98%
-- Flow 1:
Average throughput: 614.62 Mbit/s
95th percentile per-packet one-way delay: 182.456 ms
Loss rate: 0.98%

Run 2: Report of Indigo-MusesT — Data Link



Run 3: Statistics of Indigo-MuseST

Start at: 2019-05-29 19:24:34

End at: 2019-05-29 19:25:04

Local clock offset: 17.788 ms

Remote clock offset: 14.884 ms

Below is generated by plot.py at 2019-05-29 22:03:35

Datalink statistics

-- Total of 1 flow:

Average throughput: 598.55 Mbit/s

95th percentile per-packet one-way delay: 193.073 ms

Loss rate: 1.20%

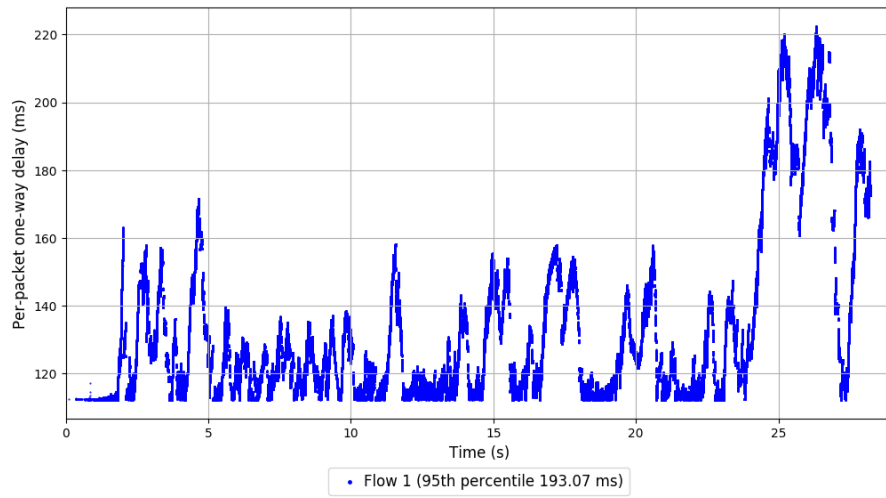
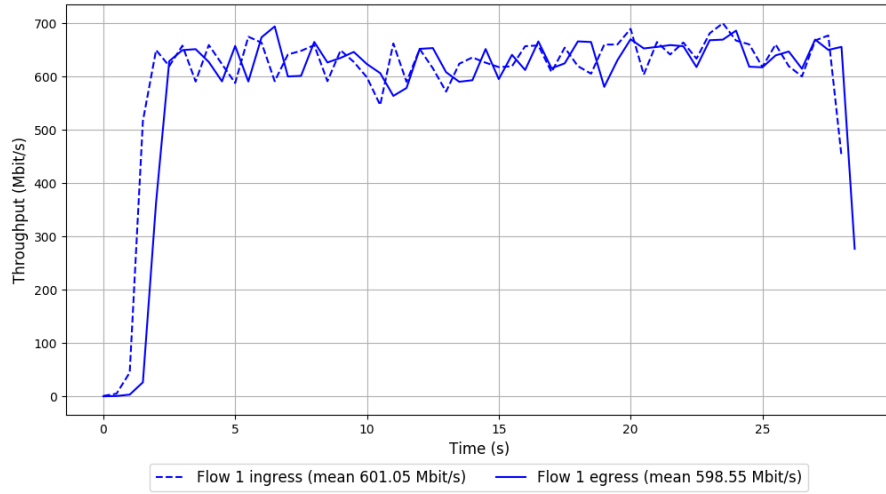
-- Flow 1:

Average throughput: 598.55 Mbit/s

95th percentile per-packet one-way delay: 193.073 ms

Loss rate: 1.20%

Run 3: Report of Indigo-MusesT — Data Link



Run 4: Statistics of Indigo-MuseST

Start at: 2019-05-29 19:56:14

End at: 2019-05-29 19:56:44

Local clock offset: 10.209 ms

Remote clock offset: 8.645 ms

Below is generated by plot.py at 2019-05-29 22:04:17

Datalink statistics

-- Total of 1 flow:

Average throughput: 596.36 Mbit/s

95th percentile per-packet one-way delay: 195.223 ms

Loss rate: 1.20%

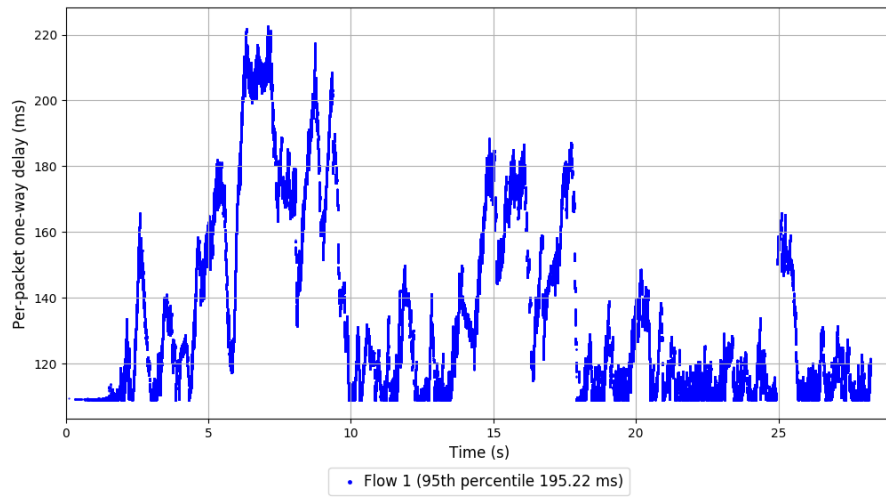
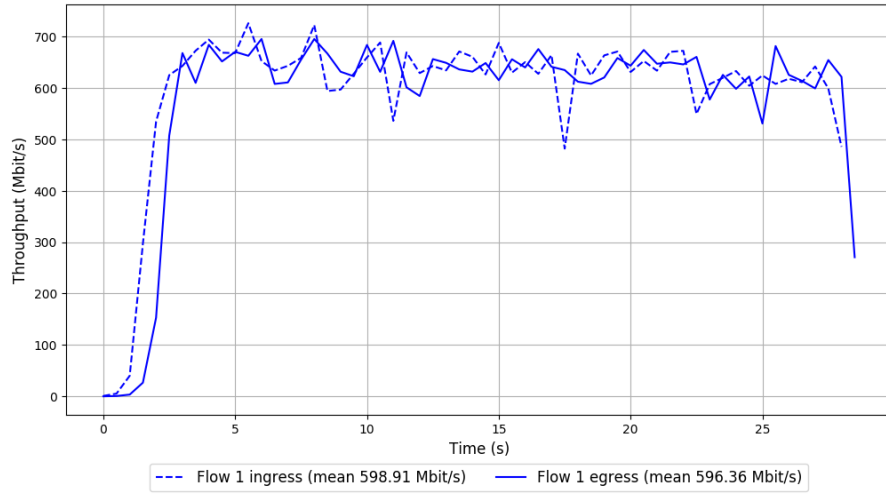
-- Flow 1:

Average throughput: 596.36 Mbit/s

95th percentile per-packet one-way delay: 195.223 ms

Loss rate: 1.20%

Run 4: Report of Indigo-MusesT — Data Link



Run 5: Statistics of Indigo-MuseST

Start at: 2019-05-29 20:27:37

End at: 2019-05-29 20:28:07

Local clock offset: 6.034 ms

Remote clock offset: 4.834 ms

Below is generated by plot.py at 2019-05-29 22:04:17

Datalink statistics

-- Total of 1 flow:

Average throughput: 429.86 Mbit/s

95th percentile per-packet one-way delay: 133.699 ms

Loss rate: 1.11%

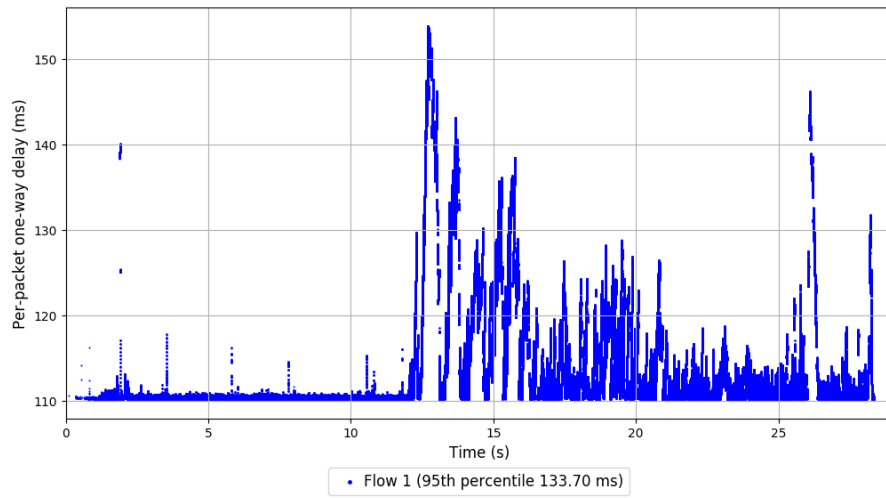
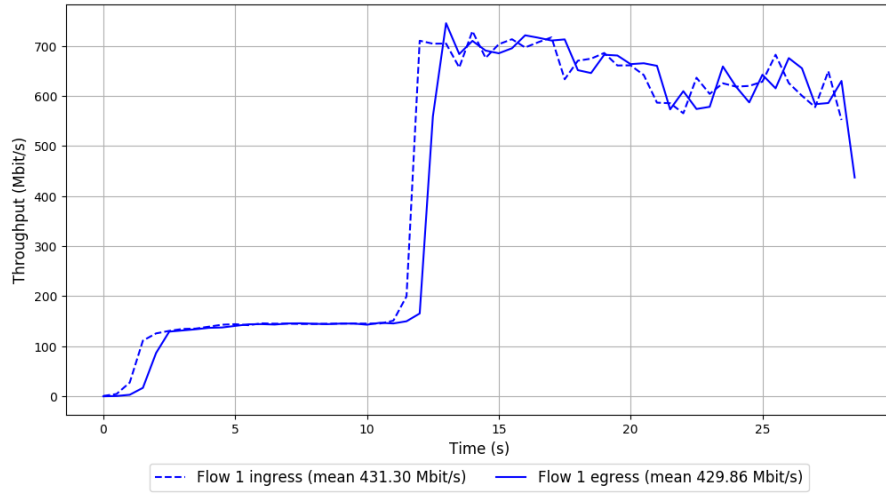
-- Flow 1:

Average throughput: 429.86 Mbit/s

95th percentile per-packet one-way delay: 133.699 ms

Loss rate: 1.11%

Run 5: Report of Indigo-MusesT — Data Link

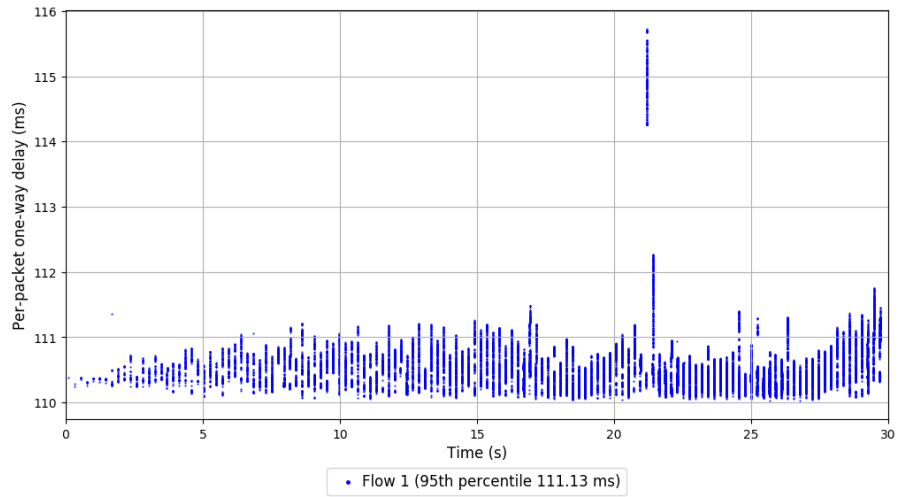
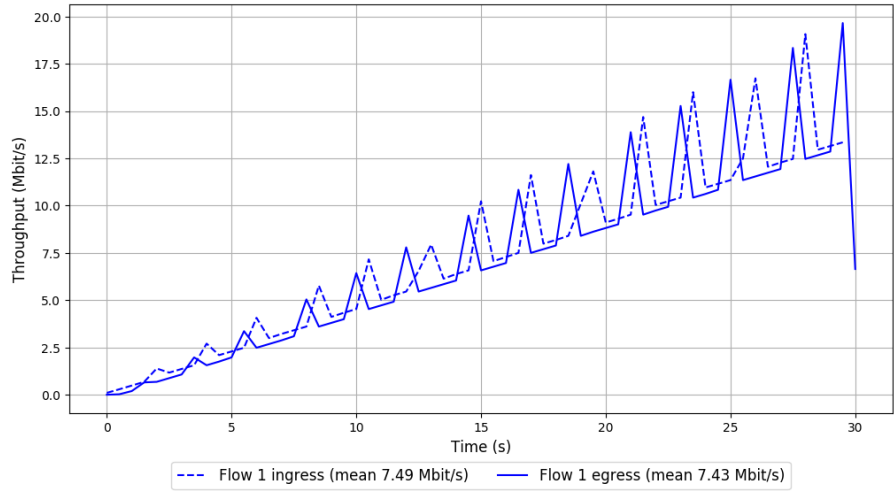


Run 1: Statistics of LEDBAT

Start at: 2019-05-29 18:27:55
End at: 2019-05-29 18:28:25
Local clock offset: 12.281 ms
Remote clock offset: 10.396 ms

Below is generated by plot.py at 2019-05-29 22:04:17
Datalink statistics
-- Total of 1 flow:
Average throughput: 7.43 Mbit/s
95th percentile per-packet one-way delay: 111.131 ms
Loss rate: 1.50%
-- Flow 1:
Average throughput: 7.43 Mbit/s
95th percentile per-packet one-way delay: 111.131 ms
Loss rate: 1.50%

Run 1: Report of LEDBAT — Data Link

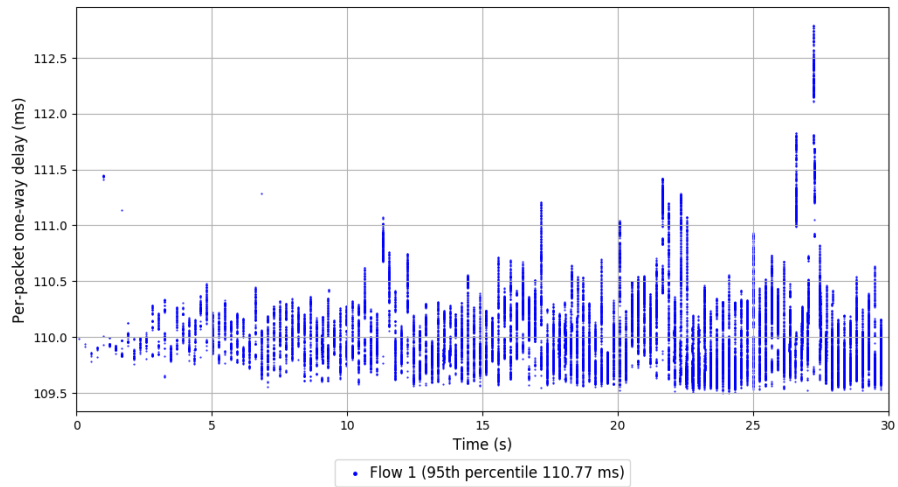
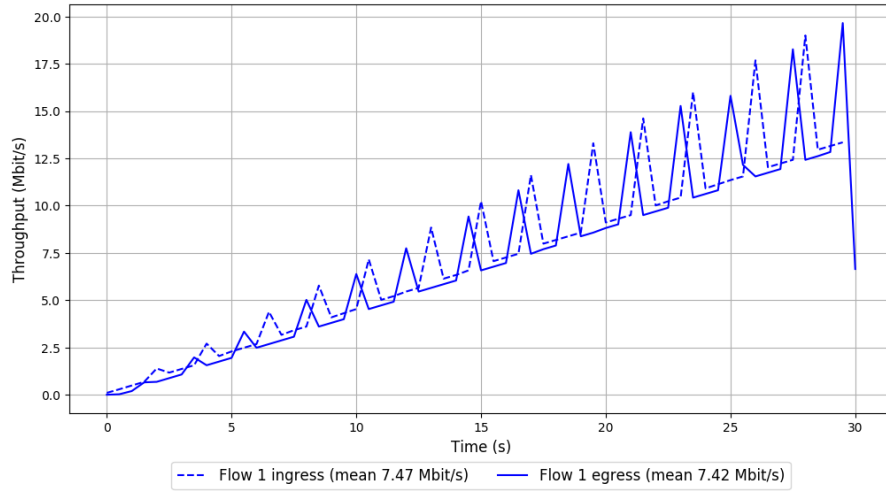


Run 2: Statistics of LEDBAT

Start at: 2019-05-29 18:59:25
End at: 2019-05-29 18:59:55
Local clock offset: 22.214 ms
Remote clock offset: 19.153 ms

Below is generated by plot.py at 2019-05-29 22:04:17
Datalink statistics
-- Total of 1 flow:
Average throughput: 7.42 Mbit/s
95th percentile per-packet one-way delay: 110.766 ms
Loss rate: 1.50%
-- Flow 1:
Average throughput: 7.42 Mbit/s
95th percentile per-packet one-way delay: 110.766 ms
Loss rate: 1.50%

Run 2: Report of LEDBAT — Data Link

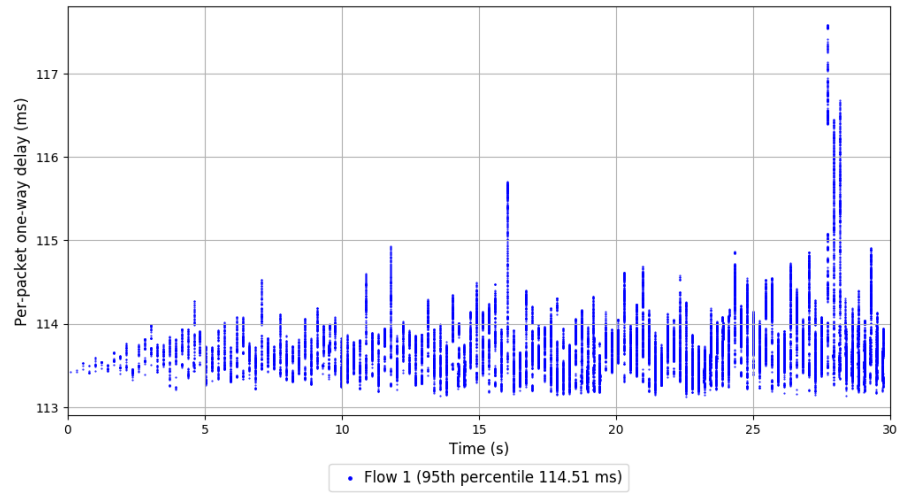
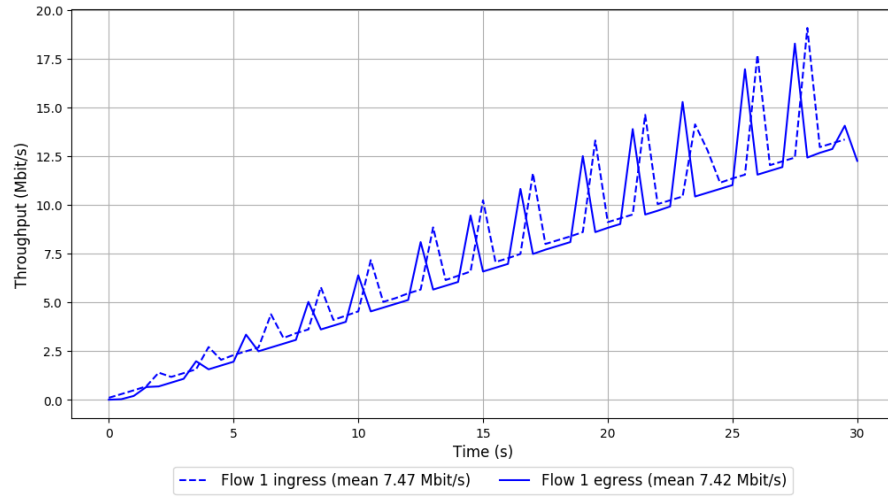


Run 3: Statistics of LEDBAT

Start at: 2019-05-29 19:30:41
End at: 2019-05-29 19:31:11
Local clock offset: 14.338 ms
Remote clock offset: 12.125 ms

Below is generated by plot.py at 2019-05-29 22:04:17
Datalink statistics
-- Total of 1 flow:
Average throughput: 7.42 Mbit/s
95th percentile per-packet one-way delay: 114.513 ms
Loss rate: 1.50%
-- Flow 1:
Average throughput: 7.42 Mbit/s
95th percentile per-packet one-way delay: 114.513 ms
Loss rate: 1.50%

Run 3: Report of LEDBAT — Data Link



Run 4: Statistics of LEDBAT

Start at: 2019-05-29 20:02:22

End at: 2019-05-29 20:02:52

Local clock offset: 7.54 ms

Remote clock offset: 6.177 ms

Below is generated by plot.py at 2019-05-29 22:04:17

Datalink statistics

-- Total of 1 flow:

Average throughput: 7.76 Mbit/s

95th percentile per-packet one-way delay: 110.291 ms

Loss rate: 1.47%

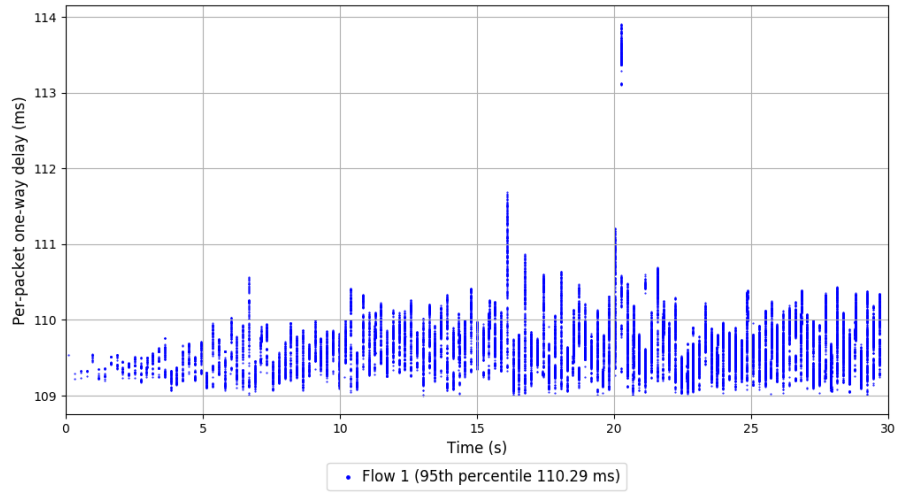
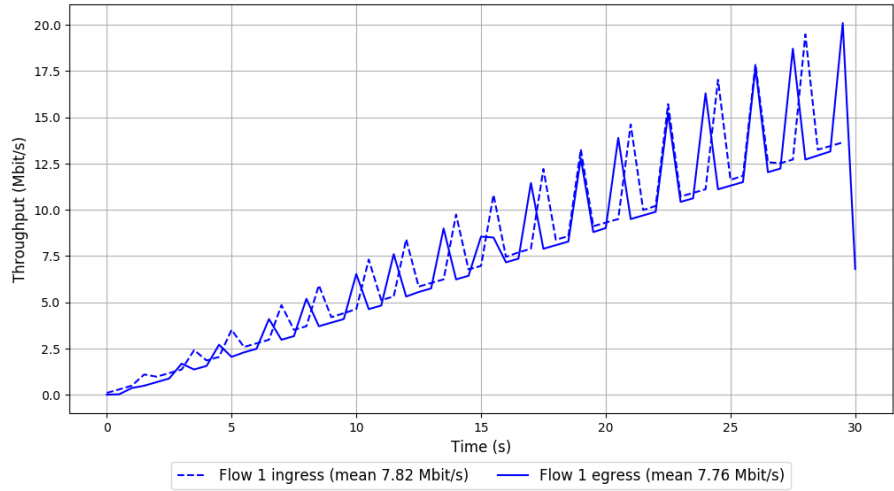
-- Flow 1:

Average throughput: 7.76 Mbit/s

95th percentile per-packet one-way delay: 110.291 ms

Loss rate: 1.47%

Run 4: Report of LEDBAT — Data Link



Run 5: Statistics of LEDBAT

Start at: 2019-05-29 20:33:39

End at: 2019-05-29 20:34:09

Local clock offset: 3.942 ms

Remote clock offset: 2.779 ms

Below is generated by plot.py at 2019-05-29 22:04:17

Datalink statistics

-- Total of 1 flow:

Average throughput: 7.29 Mbit/s

95th percentile per-packet one-way delay: 114.930 ms

Loss rate: 1.51%

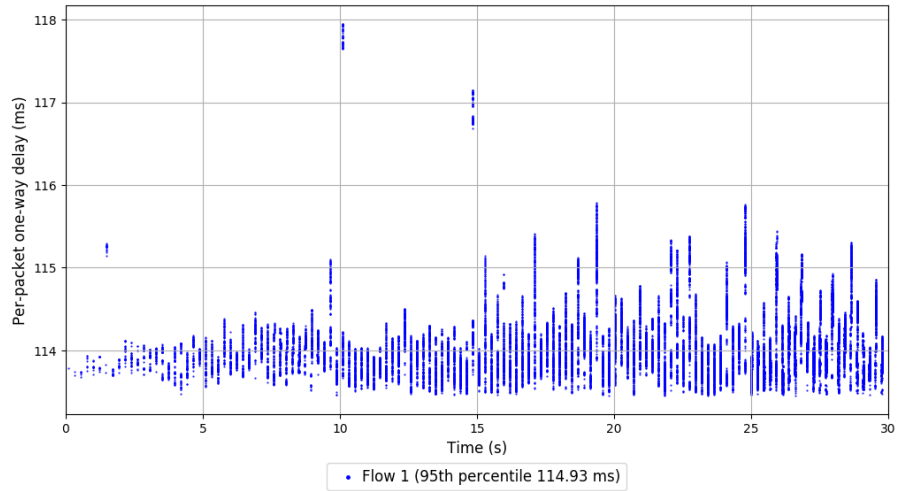
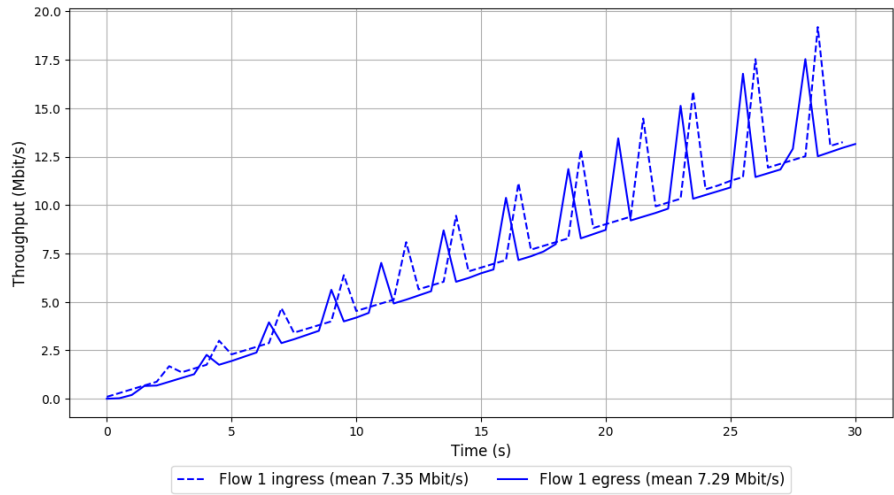
-- Flow 1:

Average throughput: 7.29 Mbit/s

95th percentile per-packet one-way delay: 114.930 ms

Loss rate: 1.51%

Run 5: Report of LEDBAT — Data Link



Run 1: Statistics of PCC-Allegro

Start at: 2019-05-29 18:11:21

End at: 2019-05-29 18:11:51

Local clock offset: 6.469 ms

Remote clock offset: 5.933 ms

Below is generated by plot.py at 2019-05-29 22:08:26

Datalink statistics

-- Total of 1 flow:

Average throughput: 382.34 Mbit/s

95th percentile per-packet one-way delay: 234.283 ms

Loss rate: 4.82%

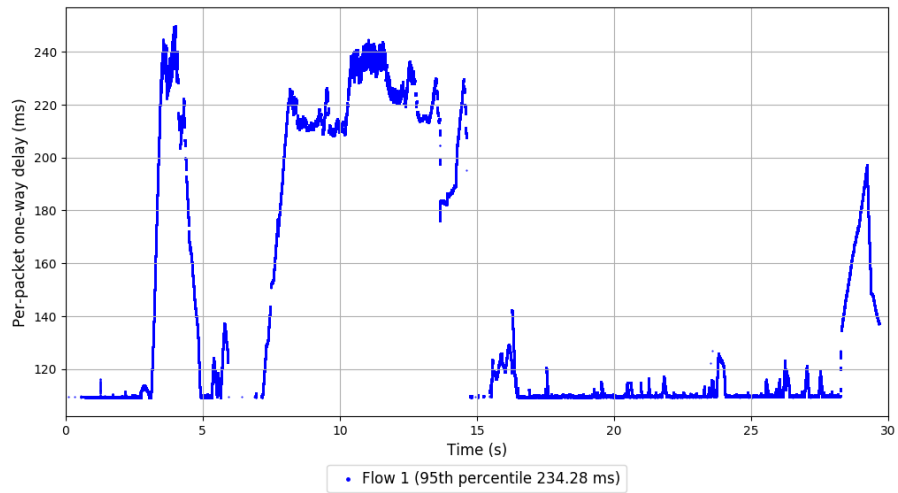
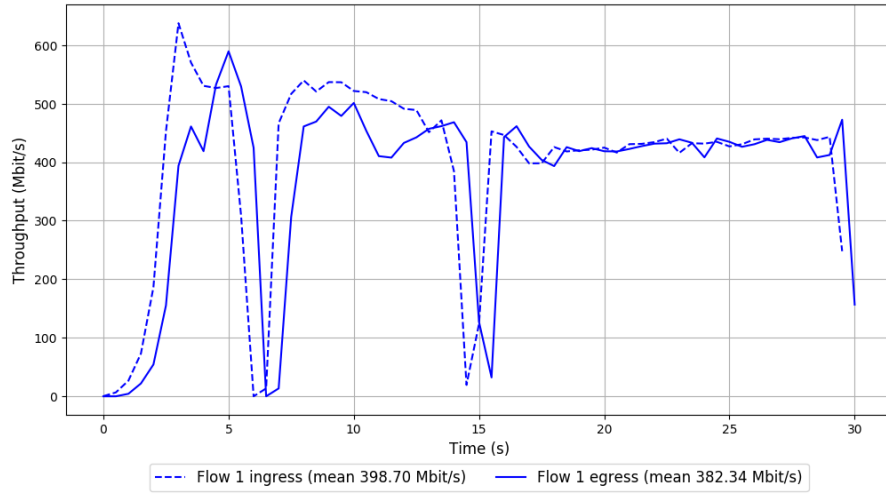
-- Flow 1:

Average throughput: 382.34 Mbit/s

95th percentile per-packet one-way delay: 234.283 ms

Loss rate: 4.82%

Run 1: Report of PCC-Allegro — Data Link

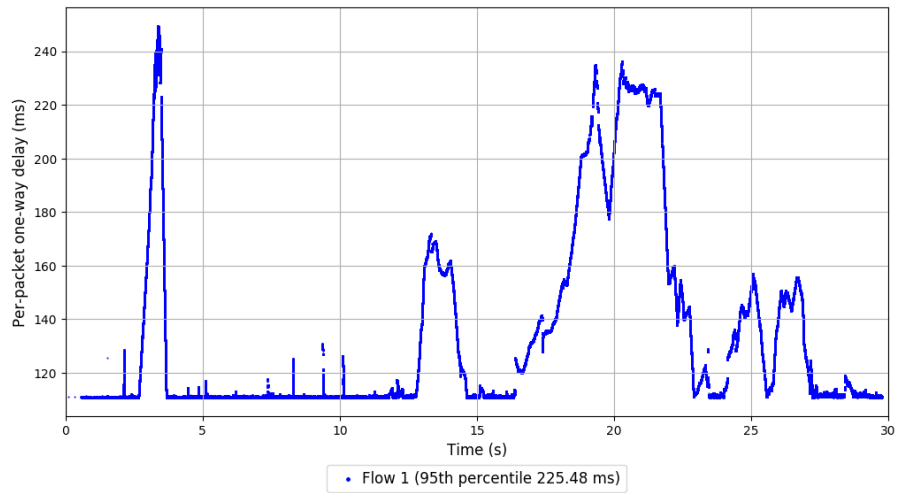
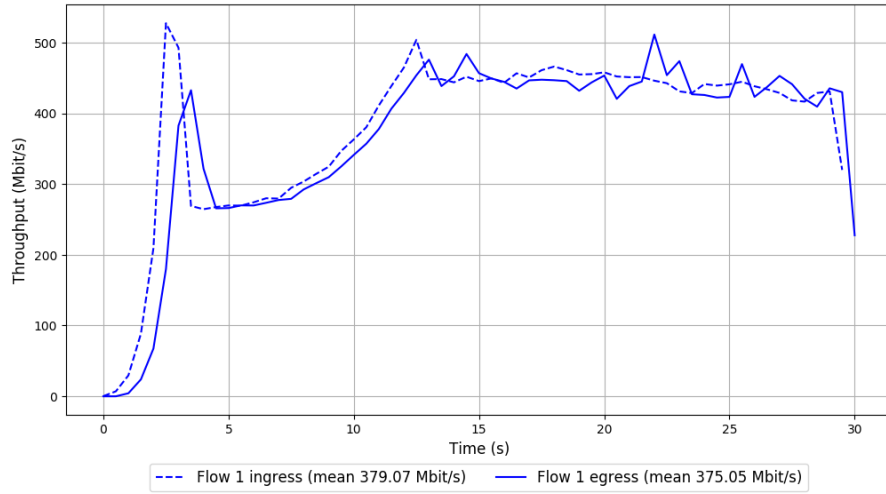


Run 2: Statistics of PCC-Allegro

Start at: 2019-05-29 18:42:47
End at: 2019-05-29 18:43:17
Local clock offset: 22.796 ms
Remote clock offset: 18.786 ms

Below is generated by plot.py at 2019-05-29 22:08:26
Datalink statistics
-- Total of 1 flow:
Average throughput: 375.05 Mbit/s
95th percentile per-packet one-way delay: 225.476 ms
Loss rate: 1.79%
-- Flow 1:
Average throughput: 375.05 Mbit/s
95th percentile per-packet one-way delay: 225.476 ms
Loss rate: 1.79%

Run 2: Report of PCC-Allegro — Data Link



Run 3: Statistics of PCC-Allegro

Start at: 2019-05-29 19:14:07

End at: 2019-05-29 19:14:37

Local clock offset: 35.76 ms

Remote clock offset: 30.466 ms

Below is generated by plot.py at 2019-05-29 22:09:28

Datalink statistics

-- Total of 1 flow:

Average throughput: 348.04 Mbit/s

95th percentile per-packet one-way delay: 120.238 ms

Loss rate: 1.43%

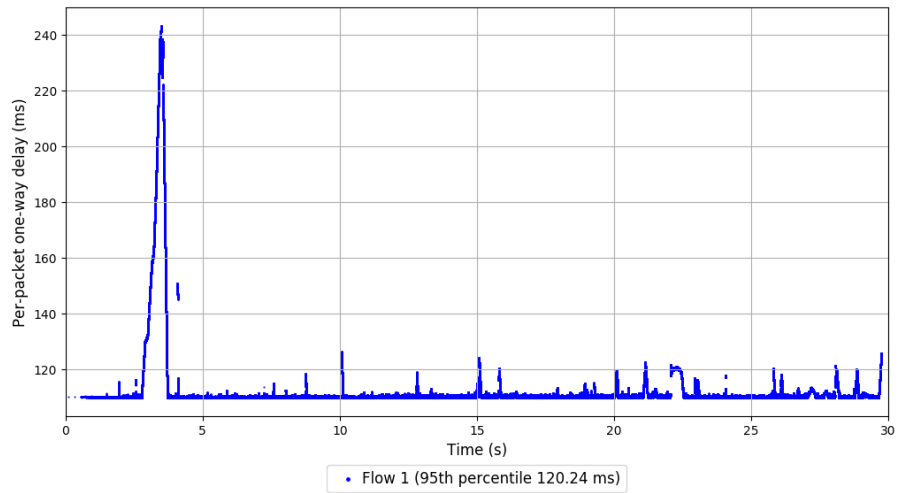
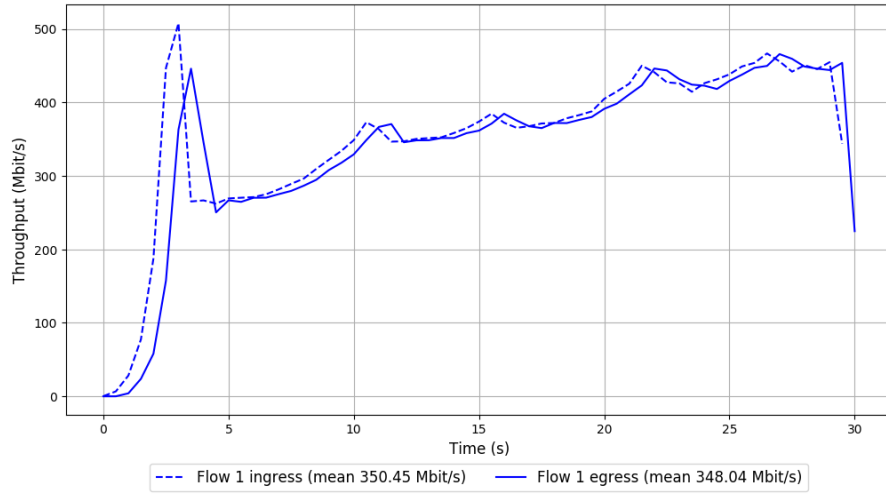
-- Flow 1:

Average throughput: 348.04 Mbit/s

95th percentile per-packet one-way delay: 120.238 ms

Loss rate: 1.43%

Run 3: Report of PCC-Allegro — Data Link



Run 4: Statistics of PCC-Allegro

Start at: 2019-05-29 19:45:34

End at: 2019-05-29 19:46:04

Local clock offset: 16.888 ms

Remote clock offset: 14.482 ms

Below is generated by plot.py at 2019-05-29 22:14:52

Datalink statistics

-- Total of 1 flow:

Average throughput: 362.02 Mbit/s

95th percentile per-packet one-way delay: 142.458 ms

Loss rate: 1.54%

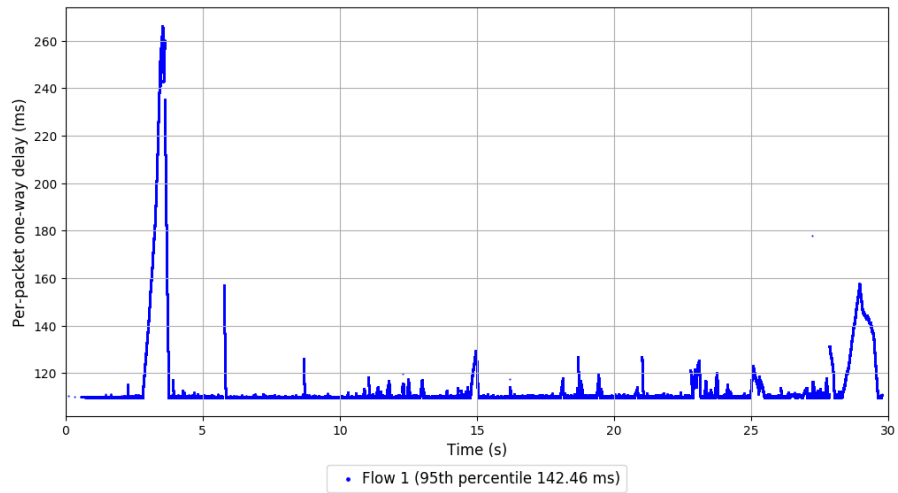
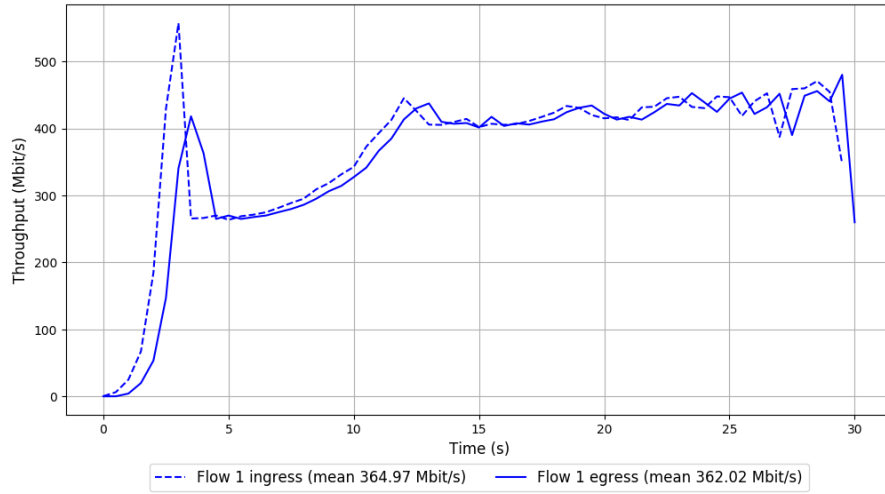
-- Flow 1:

Average throughput: 362.02 Mbit/s

95th percentile per-packet one-way delay: 142.458 ms

Loss rate: 1.54%

Run 4: Report of PCC-Allegro — Data Link



Run 5: Statistics of PCC-Allegro

Start at: 2019-05-29 20:17:09

End at: 2019-05-29 20:17:39

Local clock offset: 6.998 ms

Remote clock offset: 6.463 ms

Below is generated by plot.py at 2019-05-29 22:14:52

Datalink statistics

-- Total of 1 flow:

Average throughput: 106.28 Mbit/s

95th percentile per-packet one-way delay: 144.120 ms

Loss rate: 2.60%

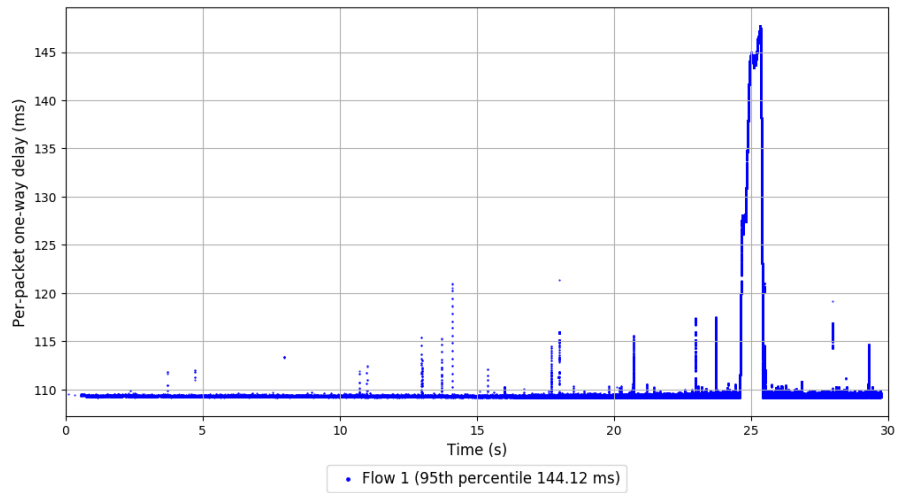
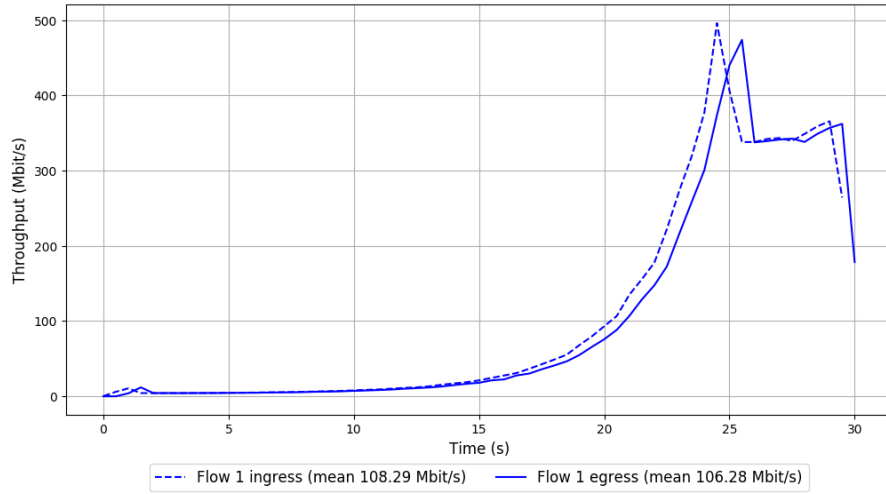
-- Flow 1:

Average throughput: 106.28 Mbit/s

95th percentile per-packet one-way delay: 144.120 ms

Loss rate: 2.60%

Run 5: Report of PCC-Allegro — Data Link



Run 1: Statistics of PCC-Expr

Start at: 2019-05-29 18:18:31

End at: 2019-05-29 18:19:01

Local clock offset: 8.184 ms

Remote clock offset: 7.036 ms

Below is generated by plot.py at 2019-05-29 22:14:52

Datalink statistics

-- Total of 1 flow:

Average throughput: 292.95 Mbit/s

95th percentile per-packet one-way delay: 196.729 ms

Loss rate: 1.58%

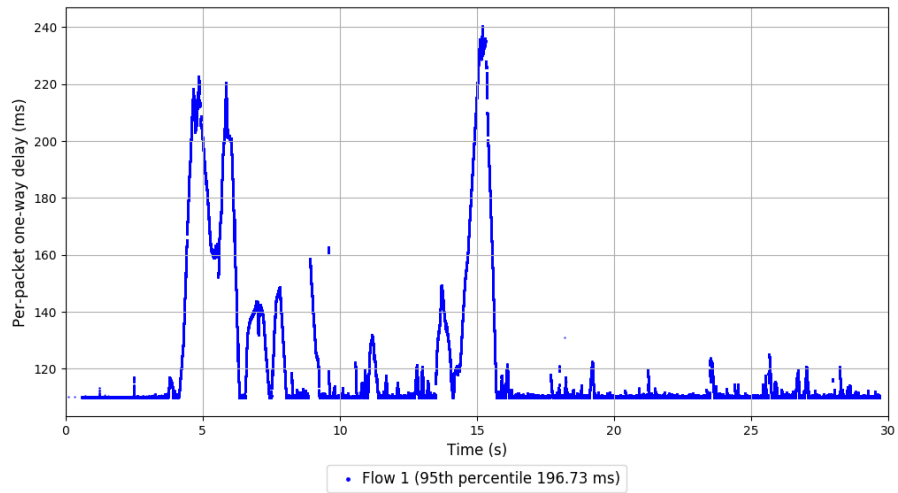
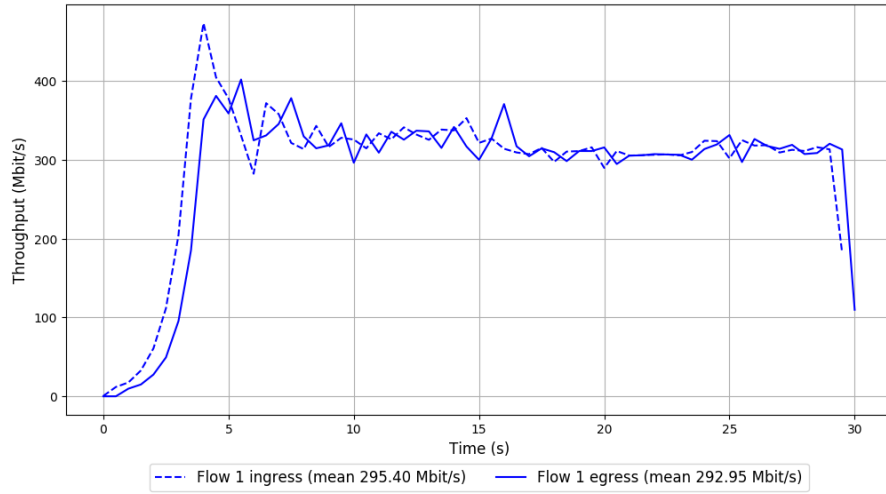
-- Flow 1:

Average throughput: 292.95 Mbit/s

95th percentile per-packet one-way delay: 196.729 ms

Loss rate: 1.58%

Run 1: Report of PCC-Expr — Data Link

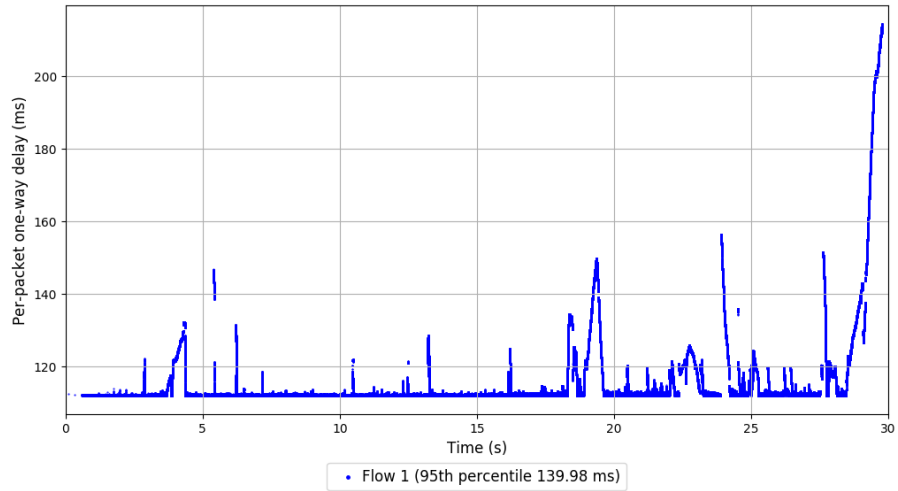
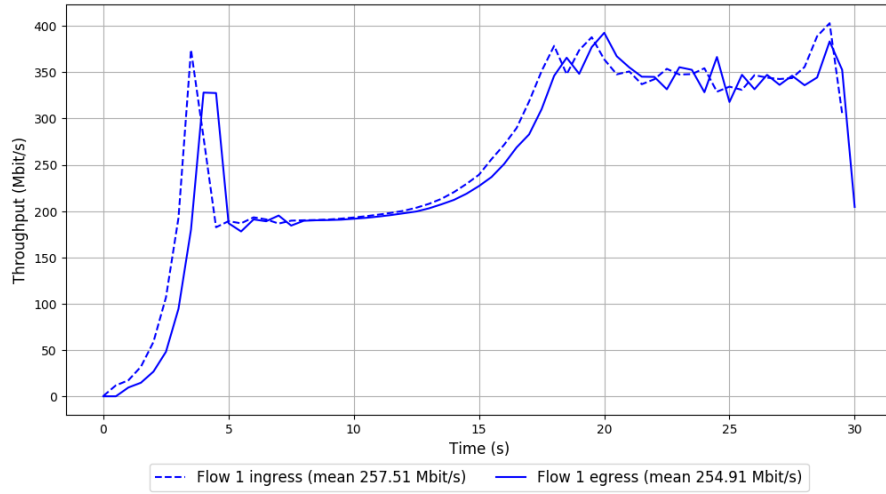


Run 2: Statistics of PCC-Expr

Start at: 2019-05-29 18:50:16
End at: 2019-05-29 18:50:46
Local clock offset: 18.226 ms
Remote clock offset: 15.525 ms

Below is generated by plot.py at 2019-05-29 22:14:52
Datalink statistics
-- Total of 1 flow:
Average throughput: 254.91 Mbit/s
95th percentile per-packet one-way delay: 139.976 ms
Loss rate: 1.75%
-- Flow 1:
Average throughput: 254.91 Mbit/s
95th percentile per-packet one-way delay: 139.976 ms
Loss rate: 1.75%

Run 2: Report of PCC-Expr — Data Link

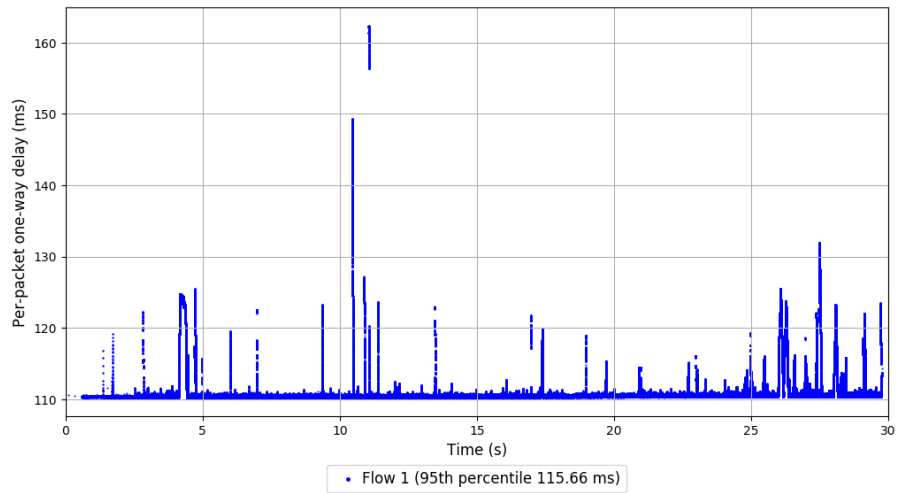
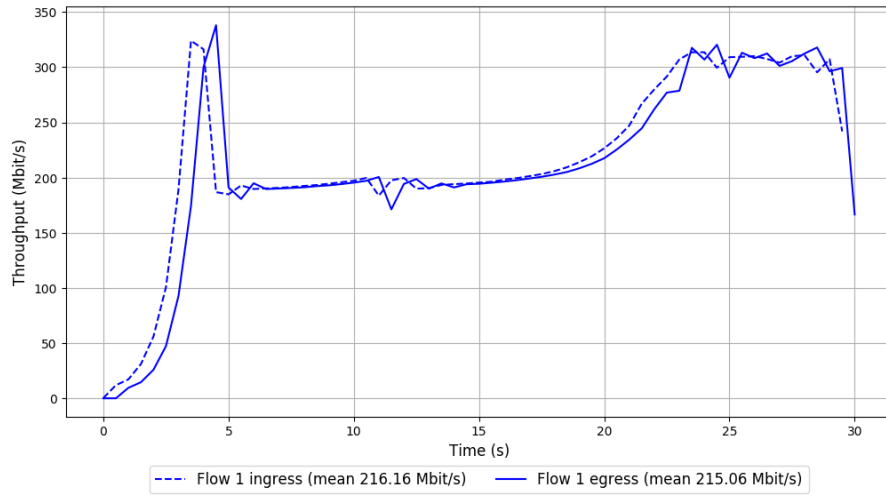


Run 3: Statistics of PCC-Expr

Start at: 2019-05-29 19:21:30
End at: 2019-05-29 19:22:00
Local clock offset: 21.547 ms
Remote clock offset: 18.161 ms

Below is generated by plot.py at 2019-05-29 22:14:52
Datalink statistics
-- Total of 1 flow:
Average throughput: 215.06 Mbit/s
95th percentile per-packet one-way delay: 115.657 ms
Loss rate: 1.25%
-- Flow 1:
Average throughput: 215.06 Mbit/s
95th percentile per-packet one-way delay: 115.657 ms
Loss rate: 1.25%

Run 3: Report of PCC-Expr — Data Link

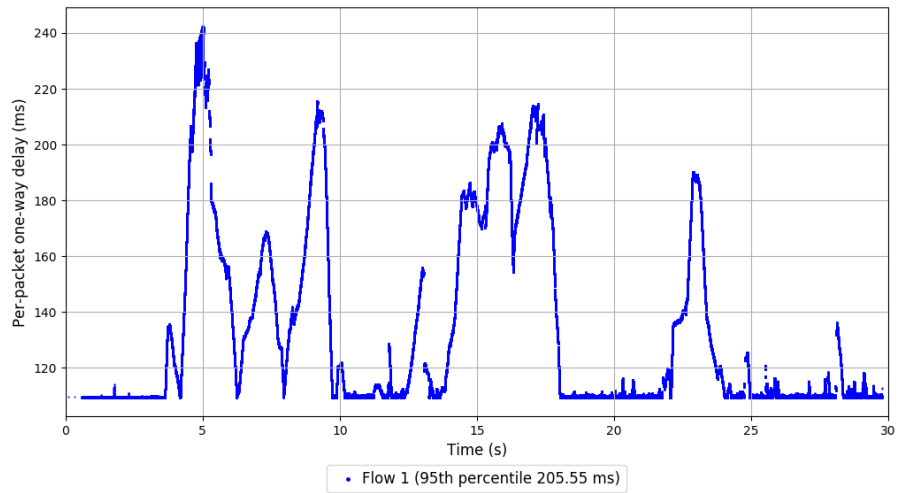
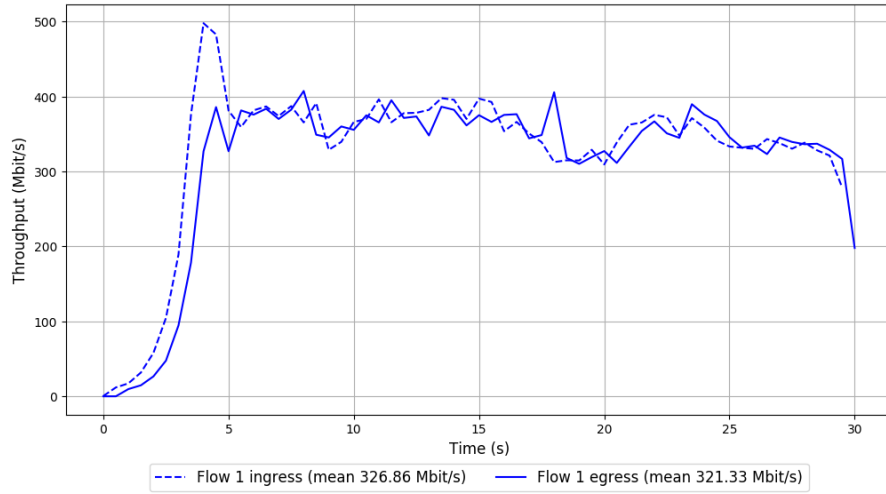


Run 4: Statistics of PCC-Expr

Start at: 2019-05-29 19:52:58
End at: 2019-05-29 19:53:28
Local clock offset: 13.612 ms
Remote clock offset: 11.387 ms

Below is generated by plot.py at 2019-05-29 22:17:03
Datalink statistics
-- Total of 1 flow:
Average throughput: 321.33 Mbit/s
95th percentile per-packet one-way delay: 205.551 ms
Loss rate: 2.42%
-- Flow 1:
Average throughput: 321.33 Mbit/s
95th percentile per-packet one-way delay: 205.551 ms
Loss rate: 2.42%

Run 4: Report of PCC-Expr — Data Link



Run 5: Statistics of PCC-Expr

Start at: 2019-05-29 20:24:20

End at: 2019-05-29 20:24:50

Local clock offset: 8.877 ms

Remote clock offset: 6.89 ms

Below is generated by plot.py at 2019-05-29 22:20:26

Datalink statistics

-- Total of 1 flow:

Average throughput: 324.09 Mbit/s

95th percentile per-packet one-way delay: 213.516 ms

Loss rate: 3.37%

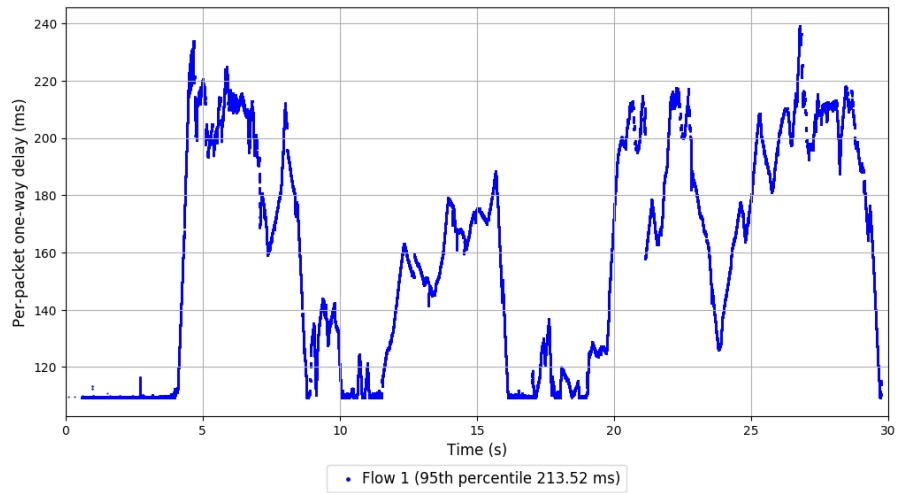
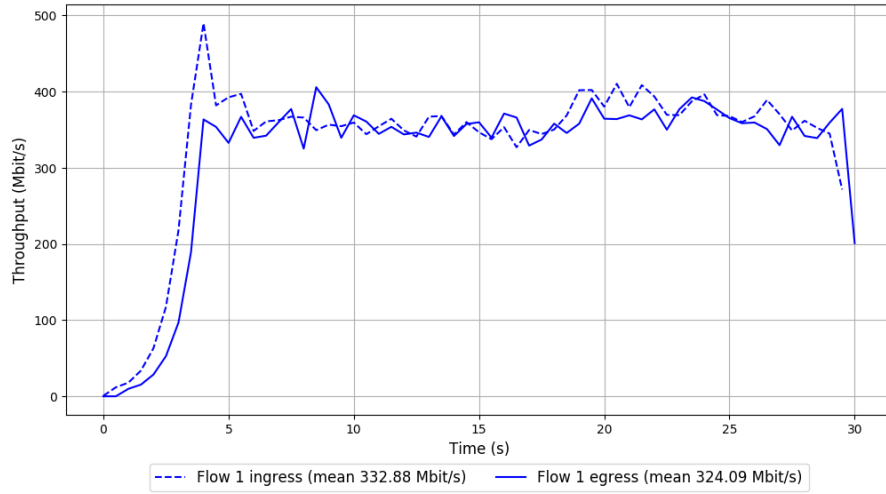
-- Flow 1:

Average throughput: 324.09 Mbit/s

95th percentile per-packet one-way delay: 213.516 ms

Loss rate: 3.37%

Run 5: Report of PCC-Expr — Data Link



Run 1: Statistics of QUIC Cubic

Start at: 2019-05-29 18:17:18

End at: 2019-05-29 18:17:48

Local clock offset: 8.373 ms

Remote clock offset: 6.96 ms

Below is generated by plot.py at 2019-05-29 22:20:26

Datalink statistics

-- Total of 1 flow:

Average throughput: 42.81 Mbit/s

95th percentile per-packet one-way delay: 110.398 ms

Loss rate: 0.20%

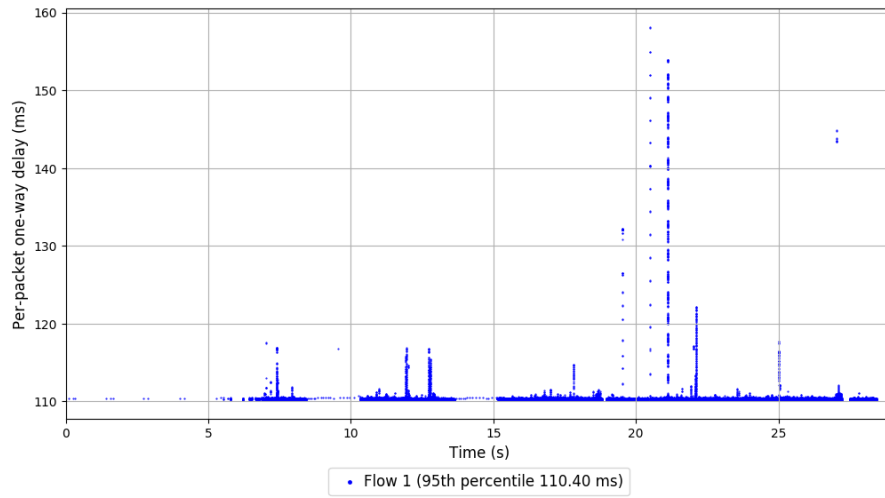
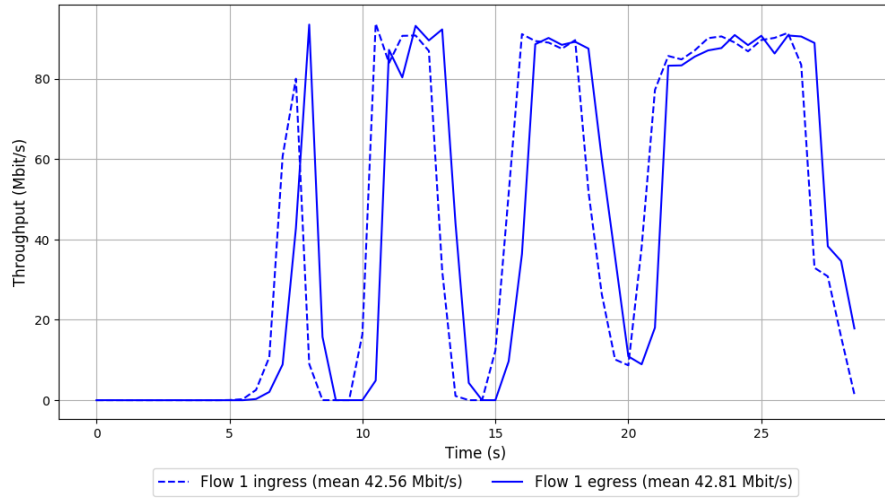
-- Flow 1:

Average throughput: 42.81 Mbit/s

95th percentile per-packet one-way delay: 110.398 ms

Loss rate: 0.20%

Run 1: Report of QUIC Cubic — Data Link



Run 2: Statistics of QUIC Cubic

Start at: 2019-05-29 18:49:02

End at: 2019-05-29 18:49:32

Local clock offset: 18.313 ms

Remote clock offset: 15.548 ms

Below is generated by plot.py at 2019-05-29 22:20:26

Datalink statistics

-- Total of 1 flow:

Average throughput: 62.10 Mbit/s

95th percentile per-packet one-way delay: 113.113 ms

Loss rate: 1.14%

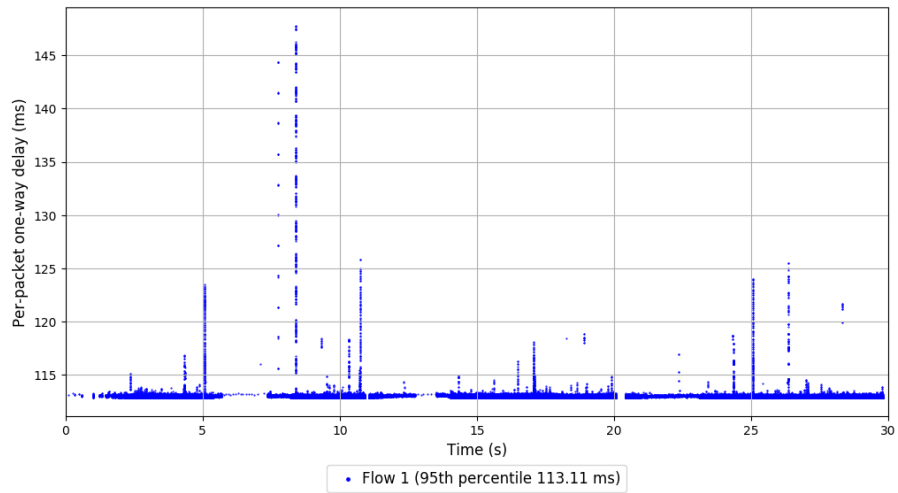
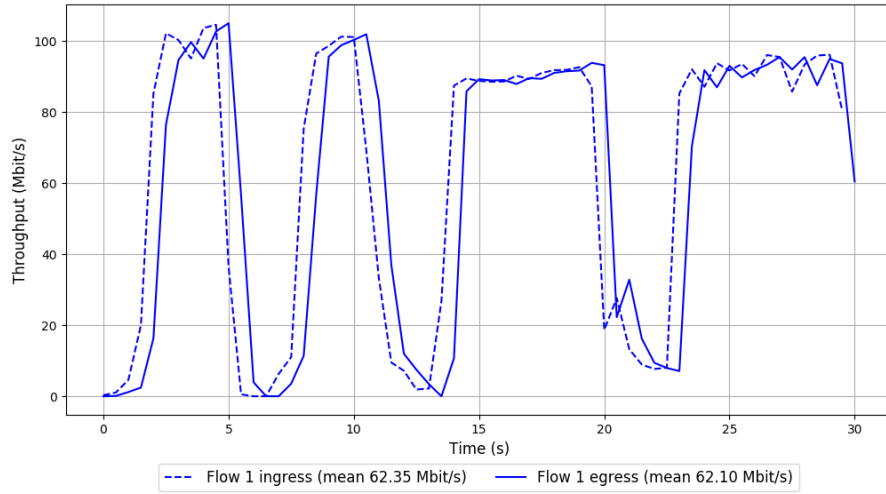
-- Flow 1:

Average throughput: 62.10 Mbit/s

95th percentile per-packet one-way delay: 113.113 ms

Loss rate: 1.14%

Run 2: Report of QUIC Cubic — Data Link



Run 3: Statistics of QUIC Cubic

Start at: 2019-05-29 19:20:16

End at: 2019-05-29 19:20:46

Local clock offset: 23.609 ms

Remote clock offset: 19.836 ms

Below is generated by plot.py at 2019-05-29 22:20:26

Datalink statistics

-- Total of 1 flow:

Average throughput: 64.63 Mbit/s

95th percentile per-packet one-way delay: 110.540 ms

Loss rate: 1.00%

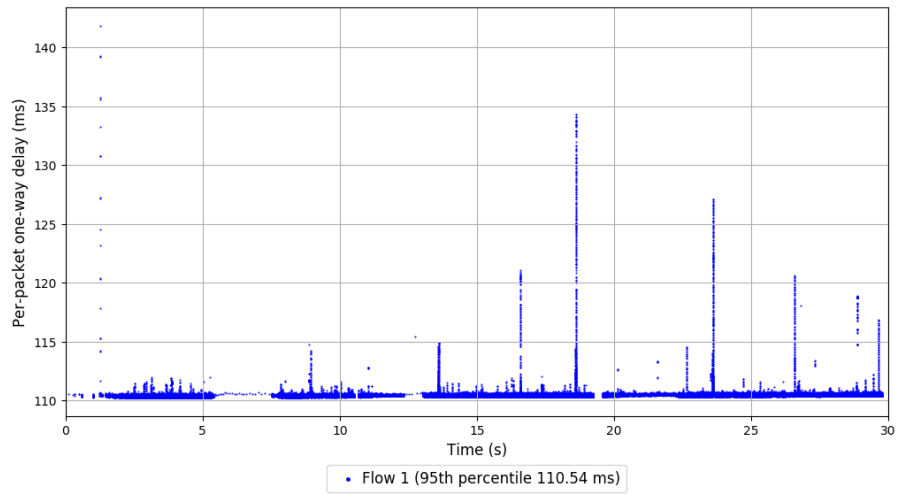
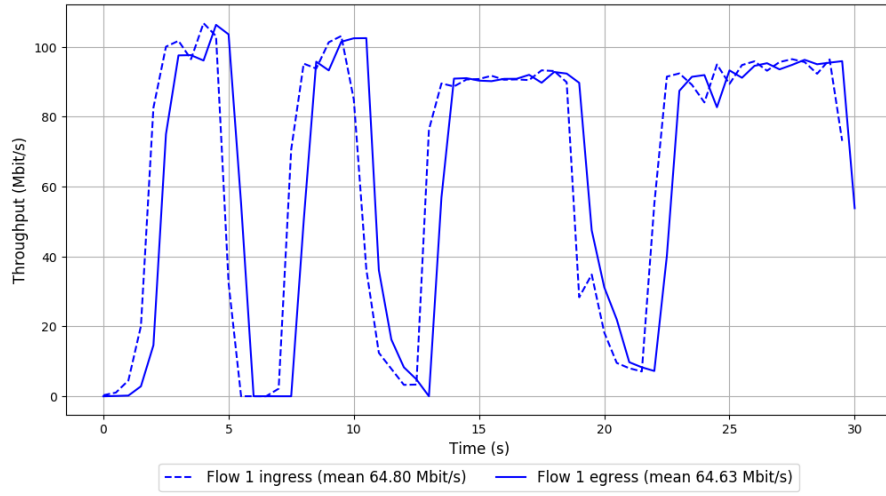
-- Flow 1:

Average throughput: 64.63 Mbit/s

95th percentile per-packet one-way delay: 110.540 ms

Loss rate: 1.00%

Run 3: Report of QUIC Cubic — Data Link

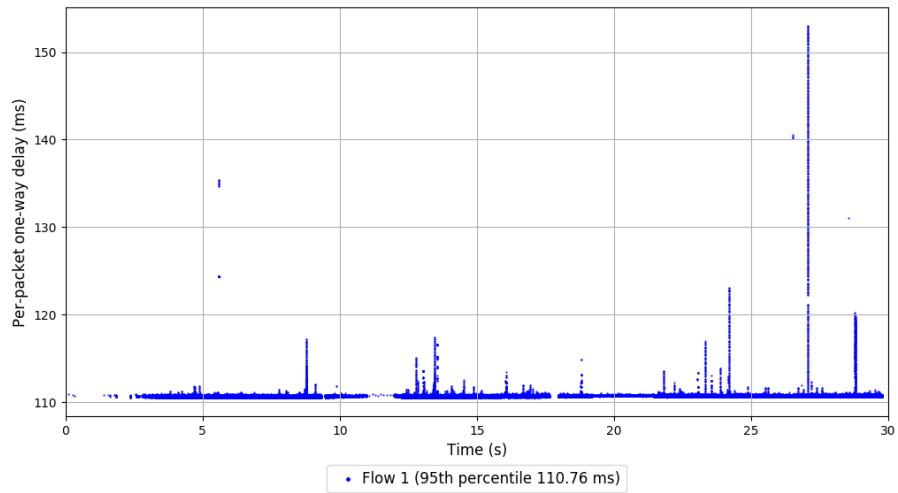
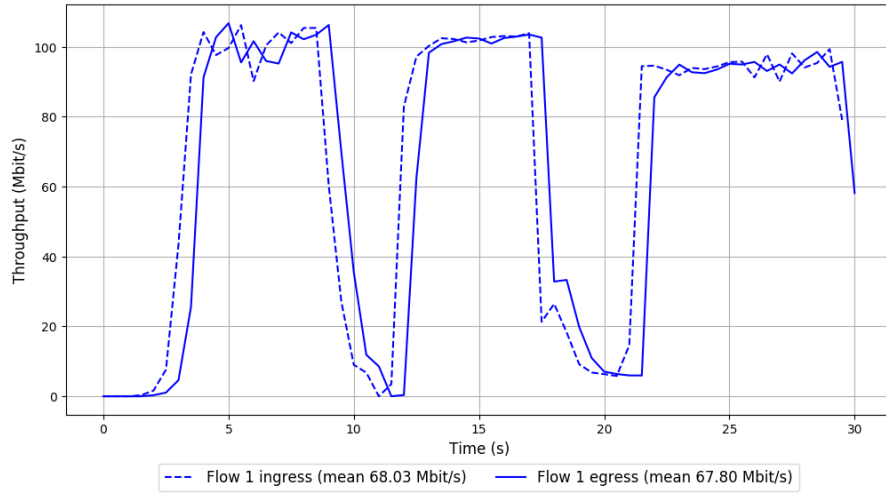


Run 4: Statistics of QUIC Cubic

Start at: 2019-05-29 19:51:44
End at: 2019-05-29 19:52:14
Local clock offset: 15.818 ms
Remote clock offset: 12.771 ms

Below is generated by plot.py at 2019-05-29 22:20:26
Datalink statistics
-- Total of 1 flow:
Average throughput: 67.80 Mbit/s
95th percentile per-packet one-way delay: 110.763 ms
Loss rate: 1.06%
-- Flow 1:
Average throughput: 67.80 Mbit/s
95th percentile per-packet one-way delay: 110.763 ms
Loss rate: 1.06%

Run 4: Report of QUIC Cubic — Data Link



Run 5: Statistics of QUIC Cubic

Start at: 2019-05-29 20:23:06

End at: 2019-05-29 20:23:36

Local clock offset: 8.97 ms

Remote clock offset: 7.453 ms

Below is generated by plot.py at 2019-05-29 22:20:26

Datalink statistics

-- Total of 1 flow:

Average throughput: 62.58 Mbit/s

95th percentile per-packet one-way delay: 109.645 ms

Loss rate: 1.14%

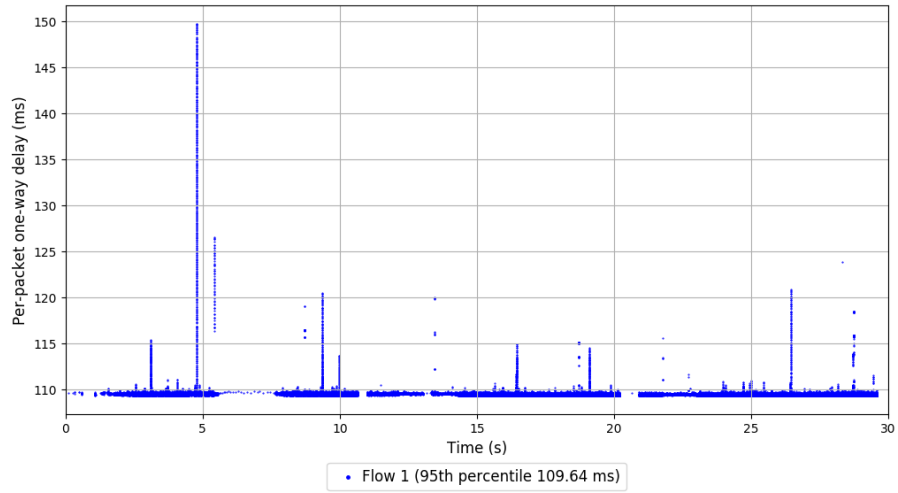
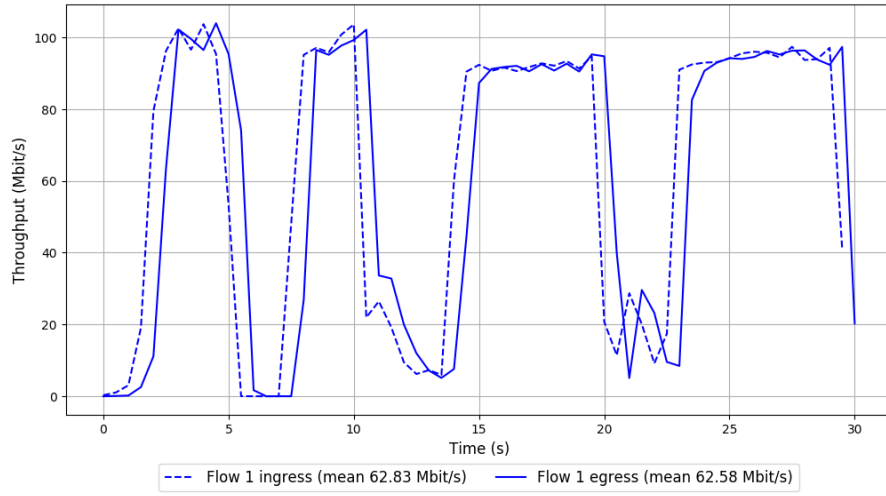
-- Flow 1:

Average throughput: 62.58 Mbit/s

95th percentile per-packet one-way delay: 109.645 ms

Loss rate: 1.14%

Run 5: Report of QUIC Cubic — Data Link

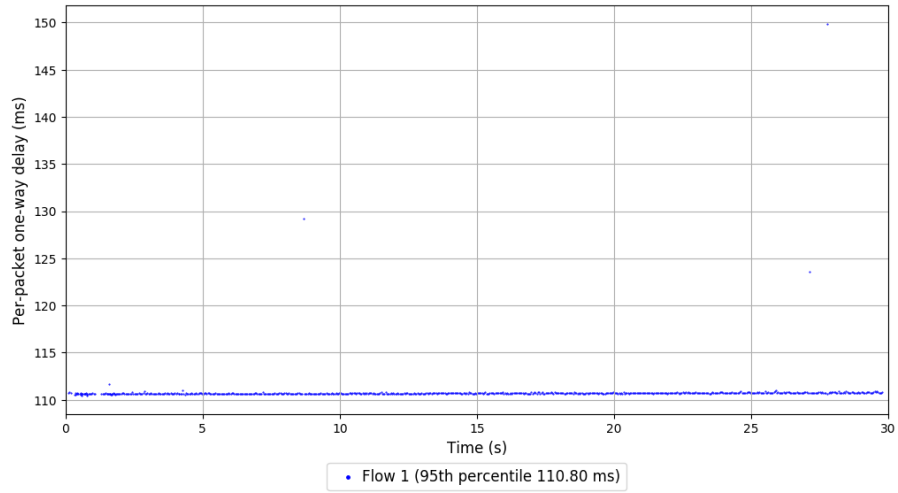
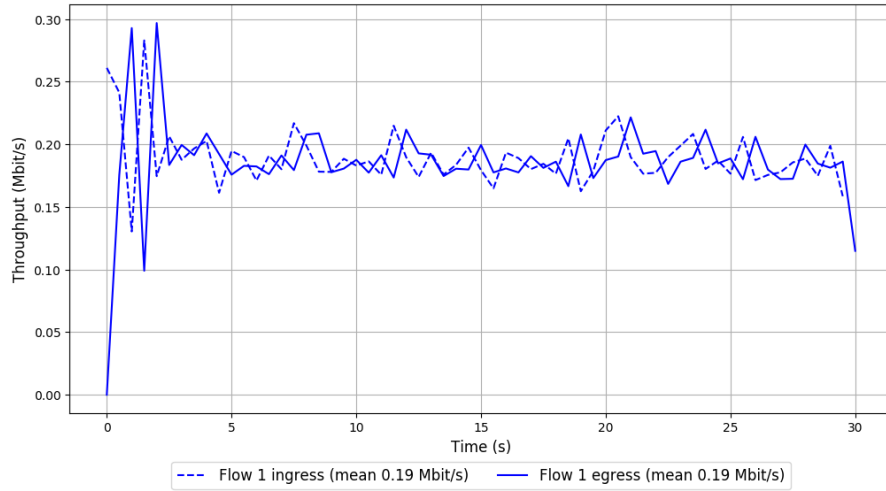


Run 1: Statistics of SCReAM

Start at: 2019-05-29 18:25:13
End at: 2019-05-29 18:25:43
Local clock offset: 14.613 ms
Remote clock offset: 12.201 ms

Below is generated by plot.py at 2019-05-29 22:20:26
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.19 Mbit/s
95th percentile per-packet one-way delay: 110.801 ms
Loss rate: 0.76%
-- Flow 1:
Average throughput: 0.19 Mbit/s
95th percentile per-packet one-way delay: 110.801 ms
Loss rate: 0.76%

Run 1: Report of SCReAM — Data Link

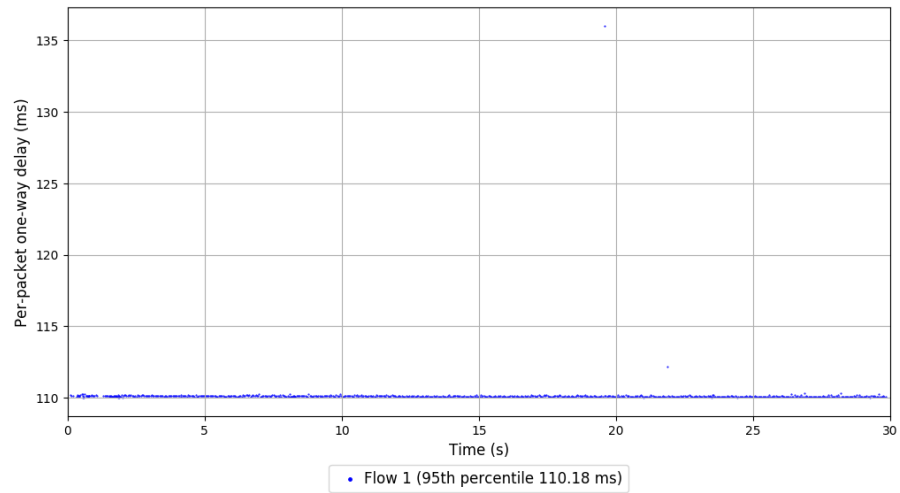
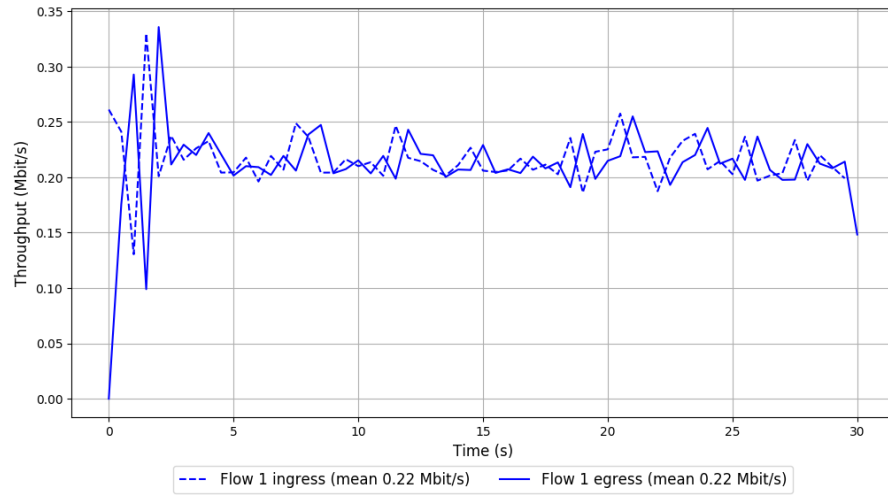


Run 2: Statistics of SCReAM

Start at: 2019-05-29 18:56:51
End at: 2019-05-29 18:57:21
Local clock offset: 20.599 ms
Remote clock offset: 17.637 ms

Below is generated by plot.py at 2019-05-29 22:20:26
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 110.184 ms
Loss rate: 0.77%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 110.184 ms
Loss rate: 0.77%

Run 2: Report of SCReAM — Data Link

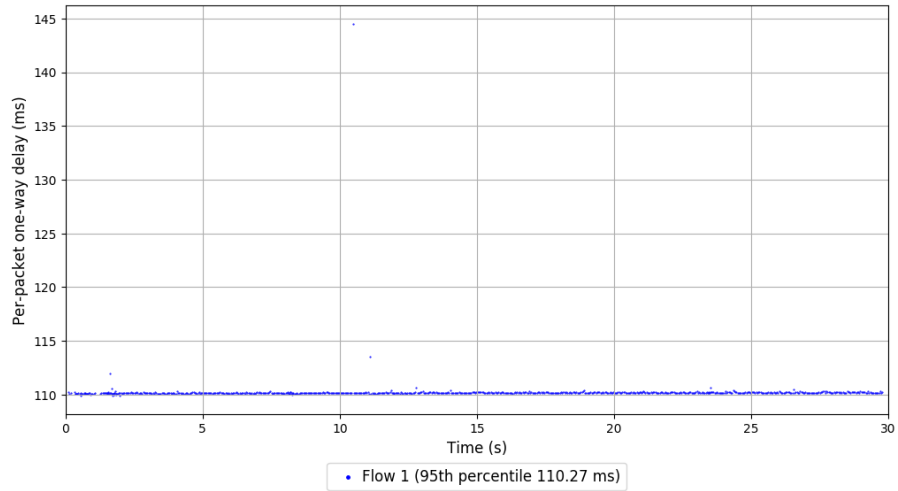
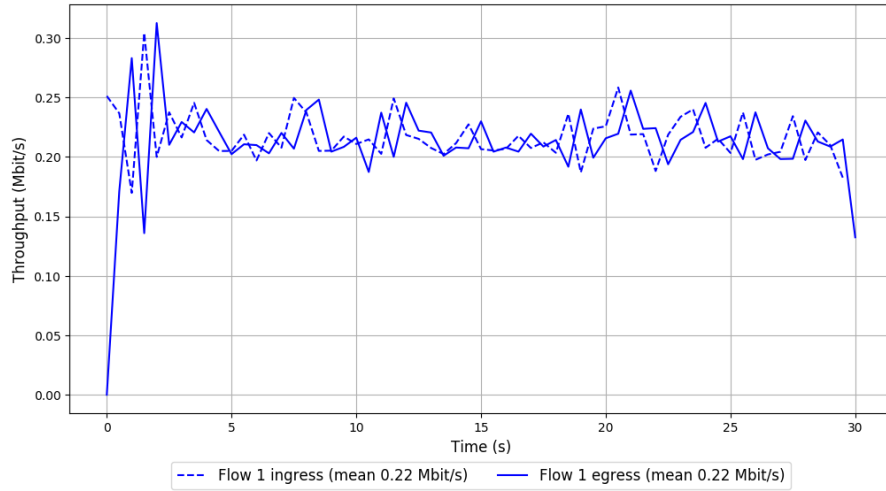


Run 3: Statistics of SCReAM

Start at: 2019-05-29 19:28:00
End at: 2019-05-29 19:28:30
Local clock offset: 15.056 ms
Remote clock offset: 12.841 ms

Below is generated by plot.py at 2019-05-29 22:20:26
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 110.267 ms
Loss rate: 0.76%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 110.267 ms
Loss rate: 0.76%

Run 3: Report of SCReAM — Data Link



Run 4: Statistics of SCReAM

Start at: 2019-05-29 19:59:39

End at: 2019-05-29 20:00:09

Local clock offset: 8.174 ms

Remote clock offset: 6.881 ms

Below is generated by plot.py at 2019-05-29 22:20:26

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 109.233 ms

Loss rate: 0.77%

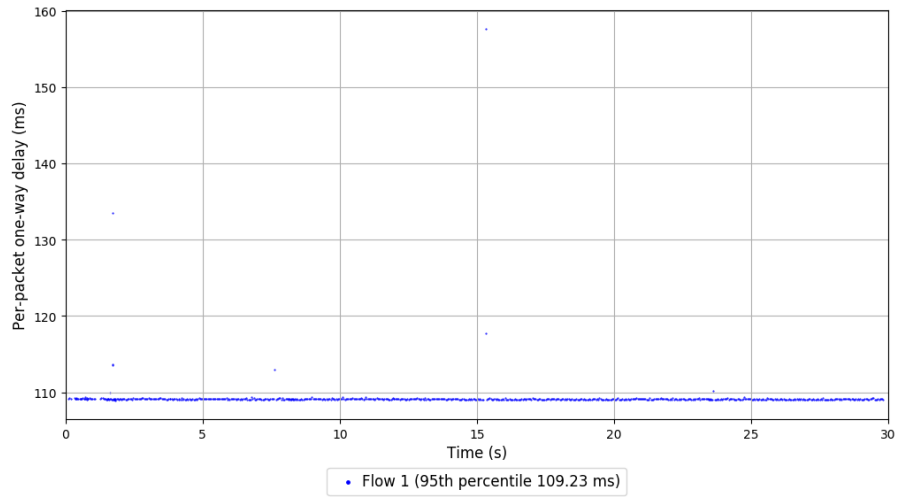
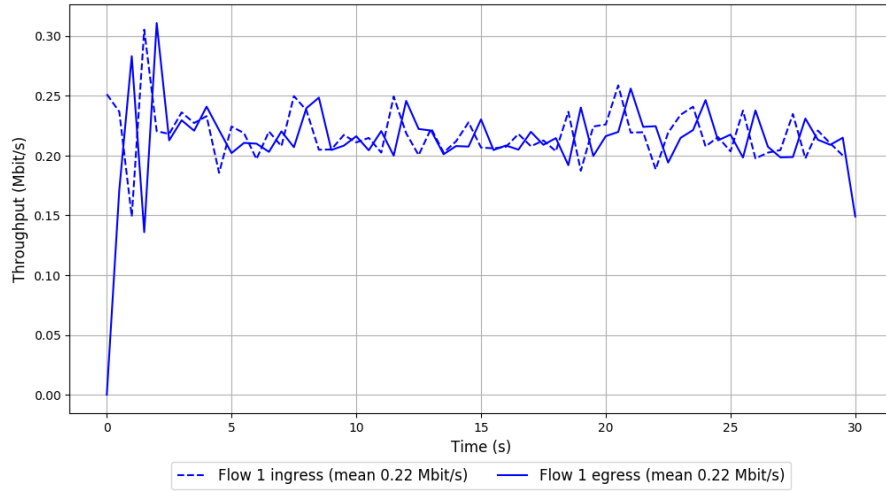
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 109.233 ms

Loss rate: 0.77%

Run 4: Report of SCReAM — Data Link



Run 5: Statistics of SCReAM

Start at: 2019-05-29 20:30:56

End at: 2019-05-29 20:31:26

Local clock offset: 4.344 ms

Remote clock offset: 3.591 ms

Below is generated by plot.py at 2019-05-29 22:20:26

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 113.318 ms

Loss rate: 0.64%

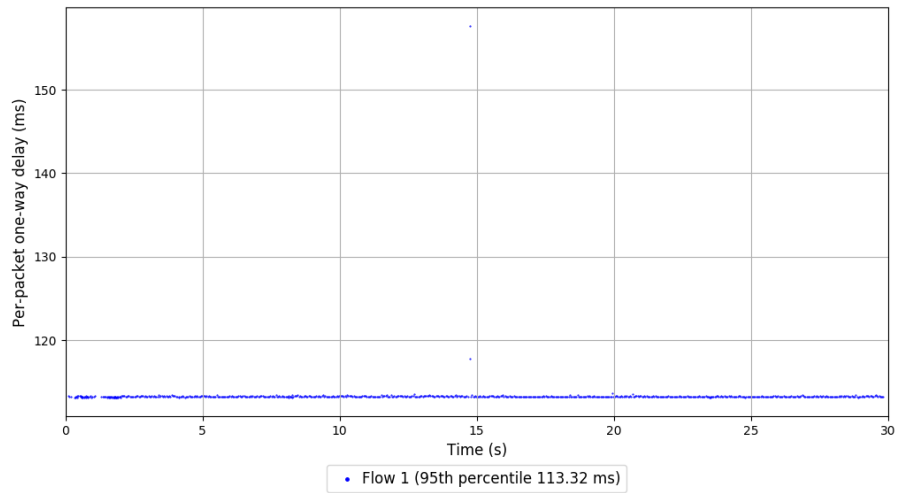
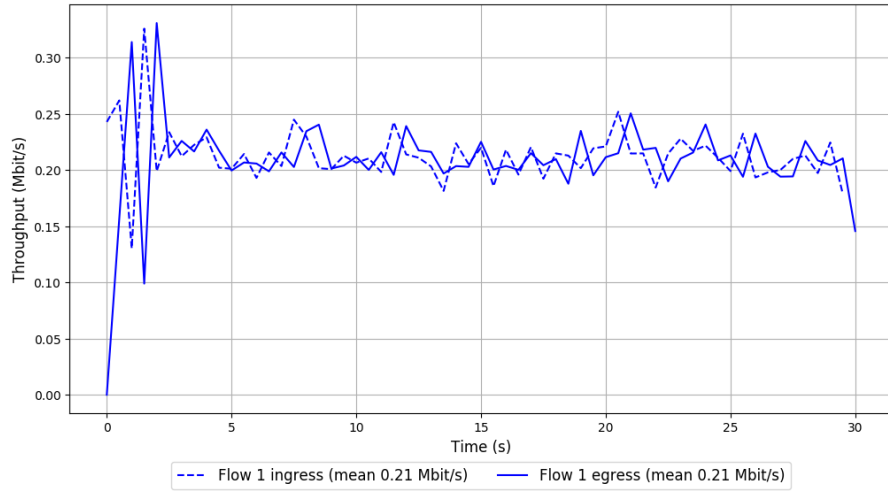
-- Flow 1:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 113.318 ms

Loss rate: 0.64%

Run 5: Report of SCReAM — Data Link

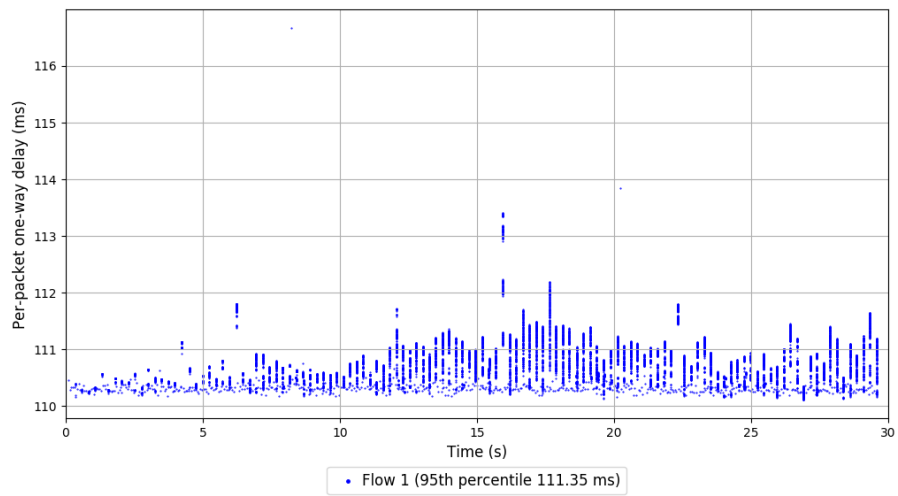
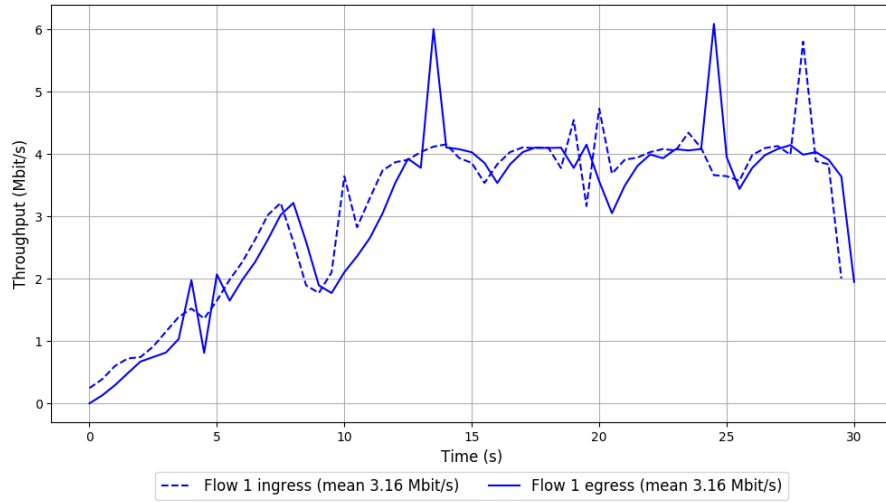


Run 1: Statistics of Sprout

Start at: 2019-05-29 18:29:06
End at: 2019-05-29 18:29:36
Local clock offset: 12.347 ms
Remote clock offset: 10.426 ms

```
# Below is generated by plot.py at 2019-05-29 22:20:26
# Datalink statistics
-- Total of 1 flow:
Average throughput: 3.16 Mbit/s
95th percentile per-packet one-way delay: 111.347 ms
Loss rate: 1.06%
-- Flow 1:
Average throughput: 3.16 Mbit/s
95th percentile per-packet one-way delay: 111.347 ms
Loss rate: 1.06%
```

Run 1: Report of Sprout — Data Link

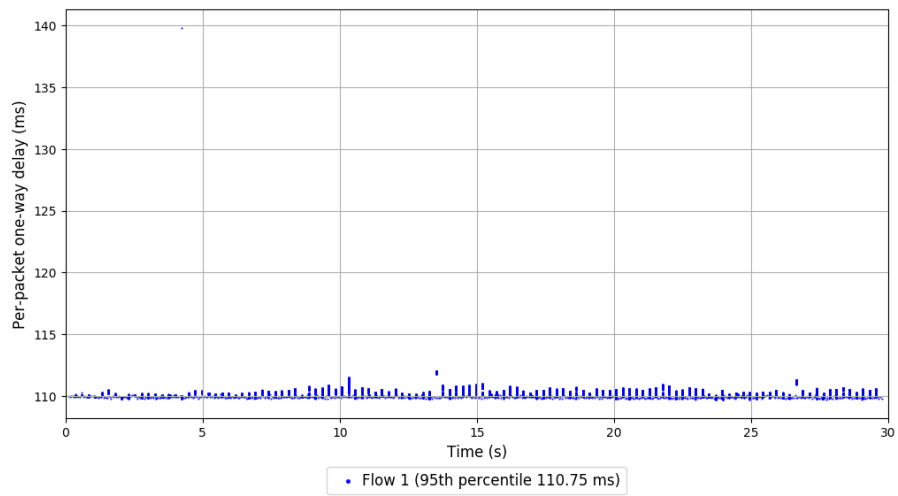
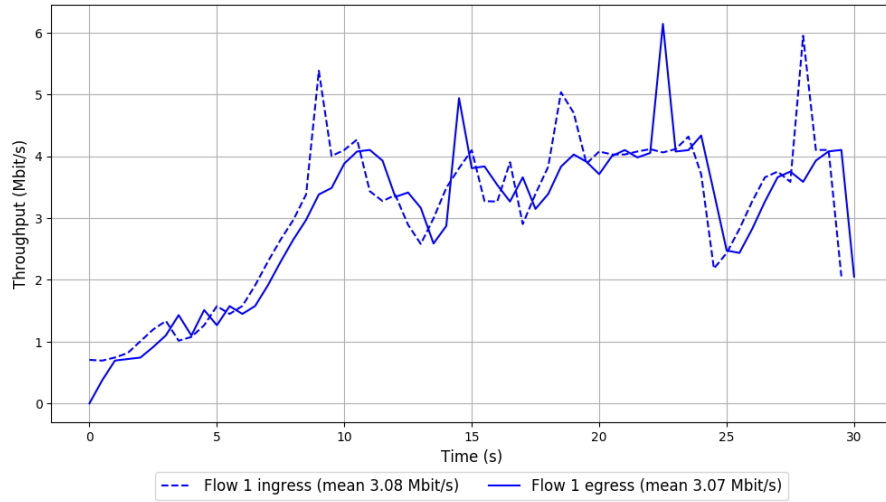


Run 2: Statistics of Sprout

Start at: 2019-05-29 19:00:36
End at: 2019-05-29 19:01:06
Local clock offset: 23.277 ms
Remote clock offset: 19.911 ms

Below is generated by plot.py at 2019-05-29 22:20:26
Datalink statistics
-- Total of 1 flow:
Average throughput: 3.07 Mbit/s
95th percentile per-packet one-way delay: 110.749 ms
Loss rate: 1.11%
-- Flow 1:
Average throughput: 3.07 Mbit/s
95th percentile per-packet one-way delay: 110.749 ms
Loss rate: 1.11%

Run 2: Report of Sprout — Data Link

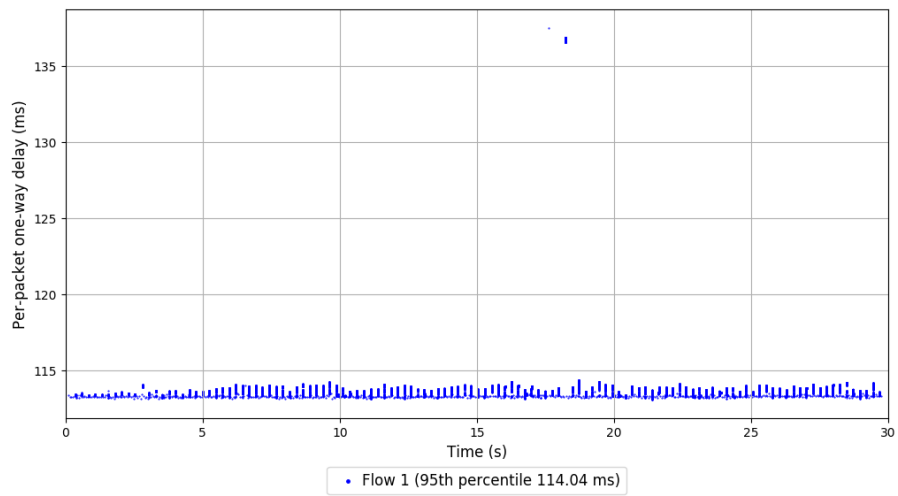
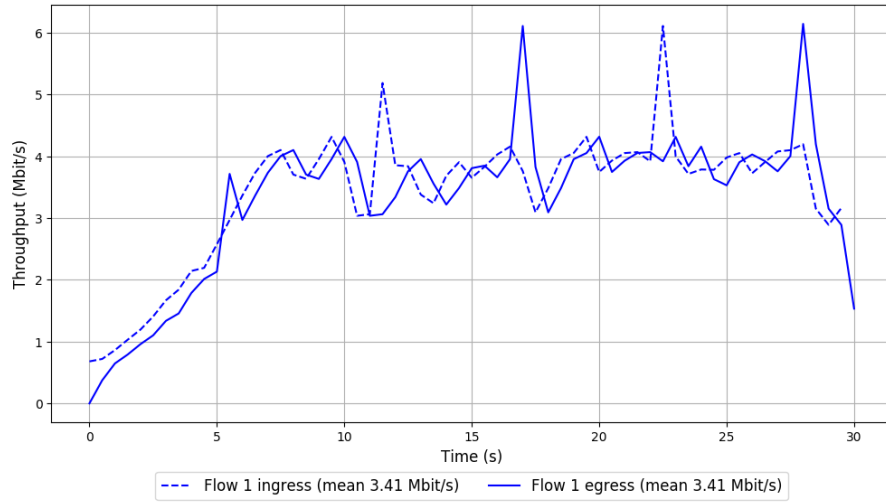


Run 3: Statistics of Sprout

Start at: 2019-05-29 19:31:53
End at: 2019-05-29 19:32:23
Local clock offset: 14.287 ms
Remote clock offset: 11.996 ms

```
# Below is generated by plot.py at 2019-05-29 22:20:26
# Datalink statistics
-- Total of 1 flow:
Average throughput: 3.41 Mbit/s
95th percentile per-packet one-way delay: 114.036 ms
Loss rate: 0.80%
-- Flow 1:
Average throughput: 3.41 Mbit/s
95th percentile per-packet one-way delay: 114.036 ms
Loss rate: 0.80%
```

Run 3: Report of Sprout — Data Link



Run 4: Statistics of Sprout

Start at: 2019-05-29 20:03:34

End at: 2019-05-29 20:04:04

Local clock offset: 7.48 ms

Remote clock offset: 6.012 ms

Below is generated by plot.py at 2019-05-29 22:20:26

Datalink statistics

-- Total of 1 flow:

Average throughput: 3.04 Mbit/s

95th percentile per-packet one-way delay: 111.127 ms

Loss rate: 0.76%

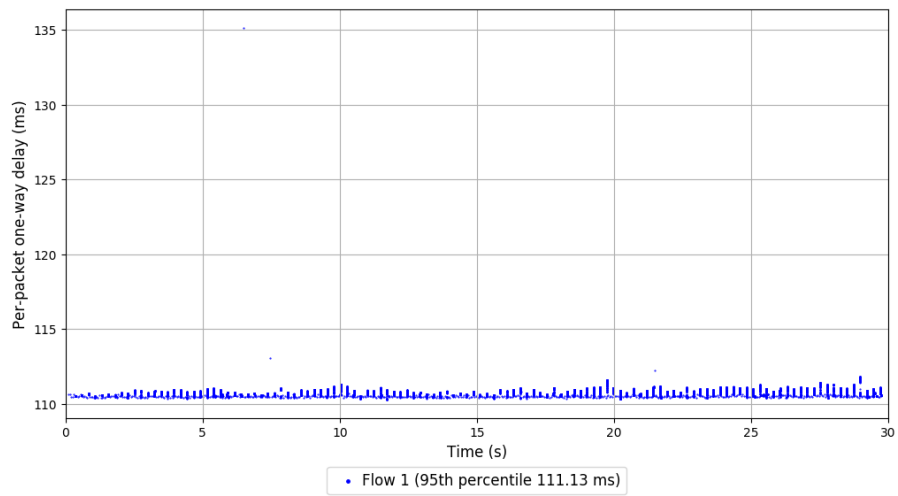
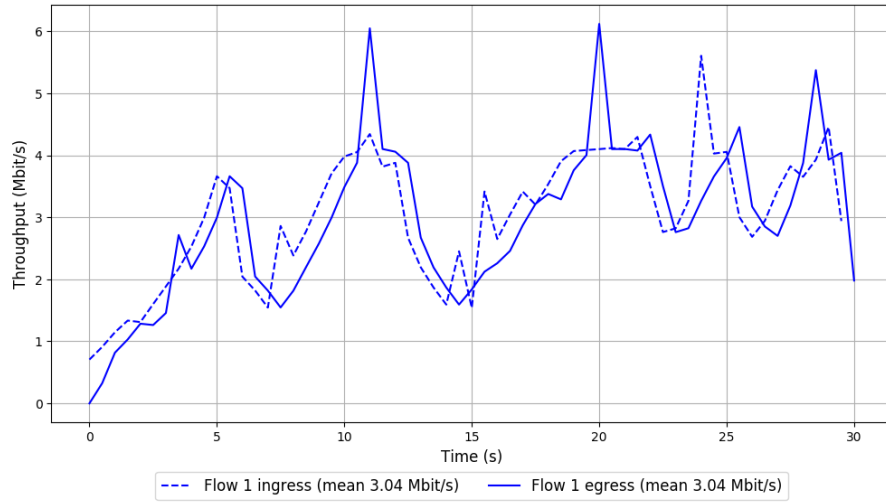
-- Flow 1:

Average throughput: 3.04 Mbit/s

95th percentile per-packet one-way delay: 111.127 ms

Loss rate: 0.76%

Run 4: Report of Sprout — Data Link



Run 5: Statistics of Sprout

Start at: 2019-05-29 20:34:50

End at: 2019-05-29 20:35:20

Local clock offset: 3.145 ms

Remote clock offset: 2.479 ms

Below is generated by plot.py at 2019-05-29 22:20:26

Datalink statistics

-- Total of 1 flow:

Average throughput: 2.37 Mbit/s

95th percentile per-packet one-way delay: 112.801 ms

Loss rate: 1.29%

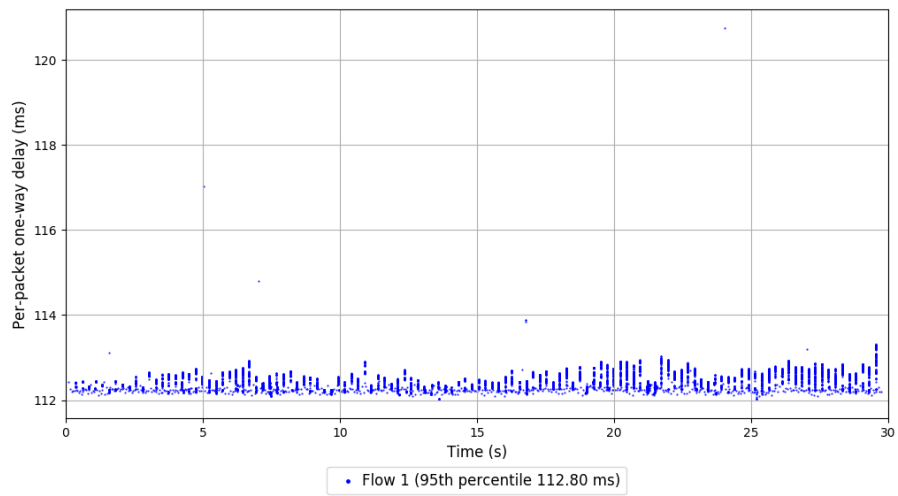
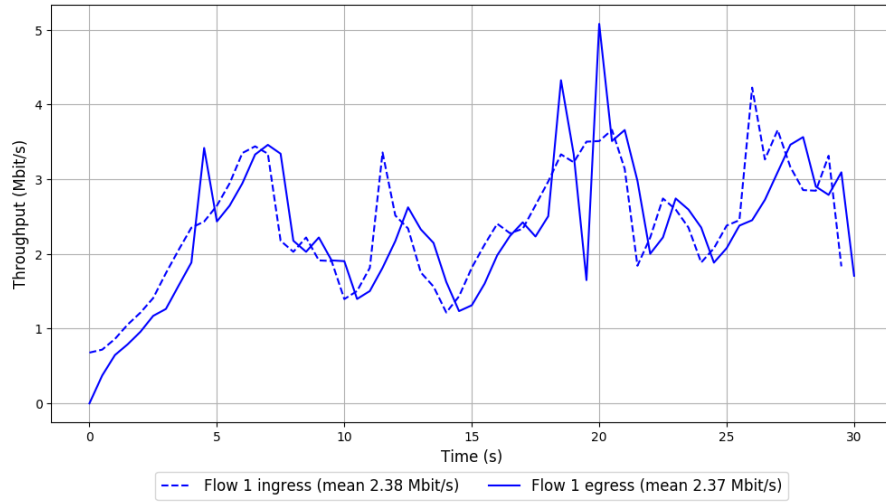
-- Flow 1:

Average throughput: 2.37 Mbit/s

95th percentile per-packet one-way delay: 112.801 ms

Loss rate: 1.29%

Run 5: Report of Sprout — Data Link



Run 1: Statistics of TaoVA-100x

Start at: 2019-05-29 18:14:23

End at: 2019-05-29 18:14:53

Local clock offset: 8.109 ms

Remote clock offset: 7.241 ms

Below is generated by plot.py at 2019-05-29 22:20:26

Datalink statistics

-- Total of 1 flow:

Average throughput: 200.29 Mbit/s

95th percentile per-packet one-way delay: 112.930 ms

Loss rate: 0.92%

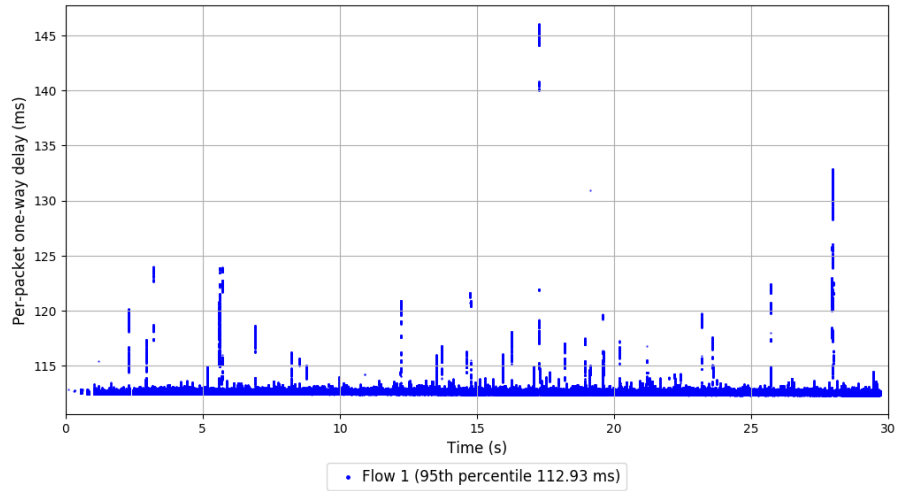
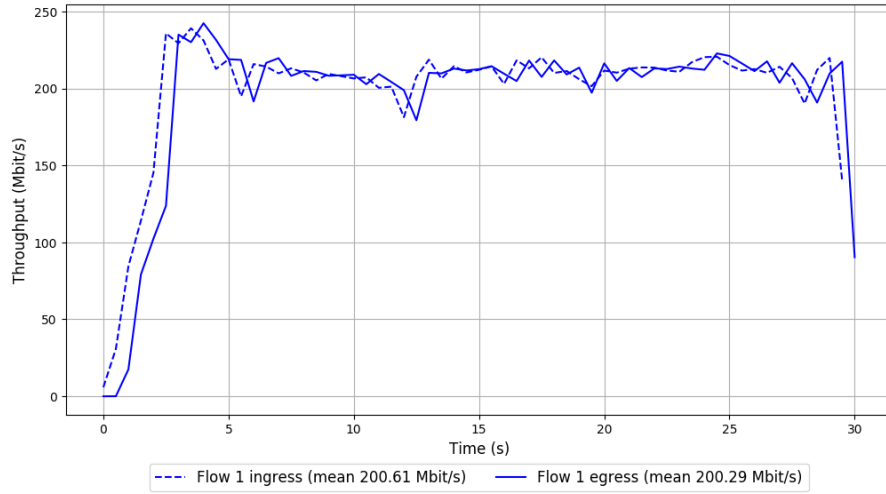
-- Flow 1:

Average throughput: 200.29 Mbit/s

95th percentile per-packet one-way delay: 112.930 ms

Loss rate: 0.92%

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



Run 2: Statistics of TaoVA-100x

Start at: 2019-05-29 18:46:02

End at: 2019-05-29 18:46:32

Local clock offset: 19.612 ms

Remote clock offset: 16.31 ms

Below is generated by plot.py at 2019-05-29 22:20:26

Datalink statistics

-- Total of 1 flow:

Average throughput: 198.31 Mbit/s

95th percentile per-packet one-way delay: 110.797 ms

Loss rate: 0.82%

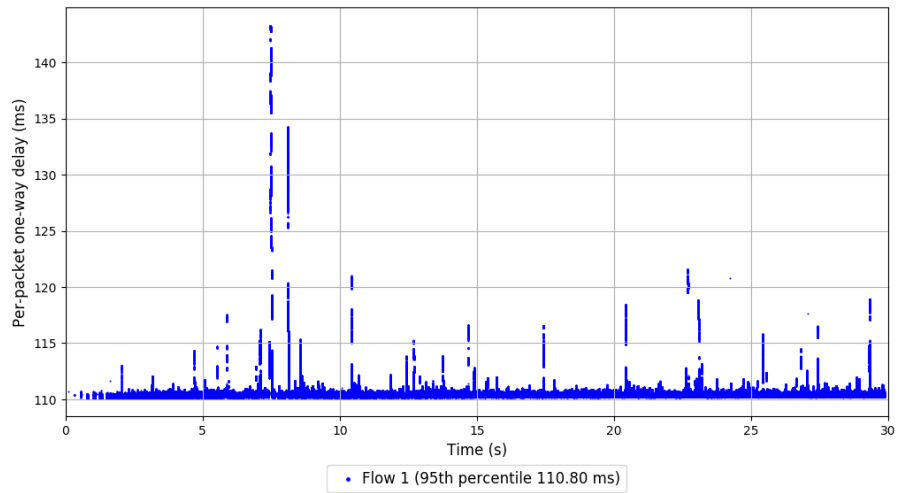
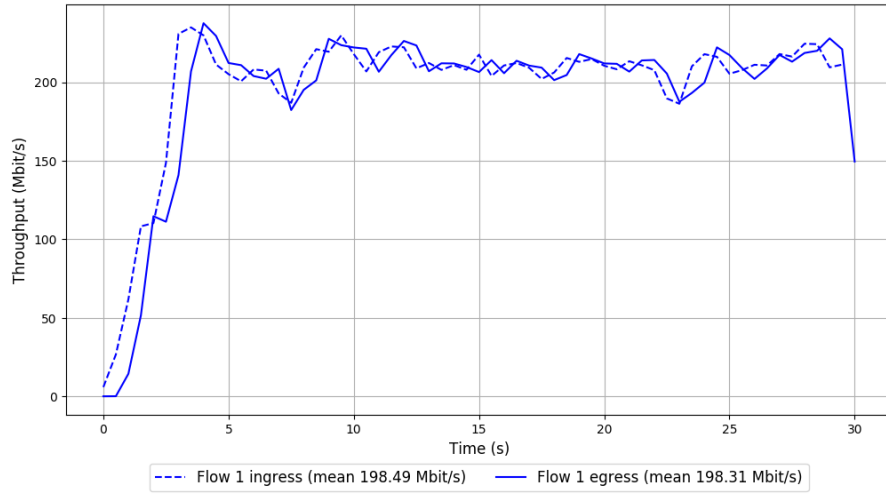
-- Flow 1:

Average throughput: 198.31 Mbit/s

95th percentile per-packet one-way delay: 110.797 ms

Loss rate: 0.82%

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

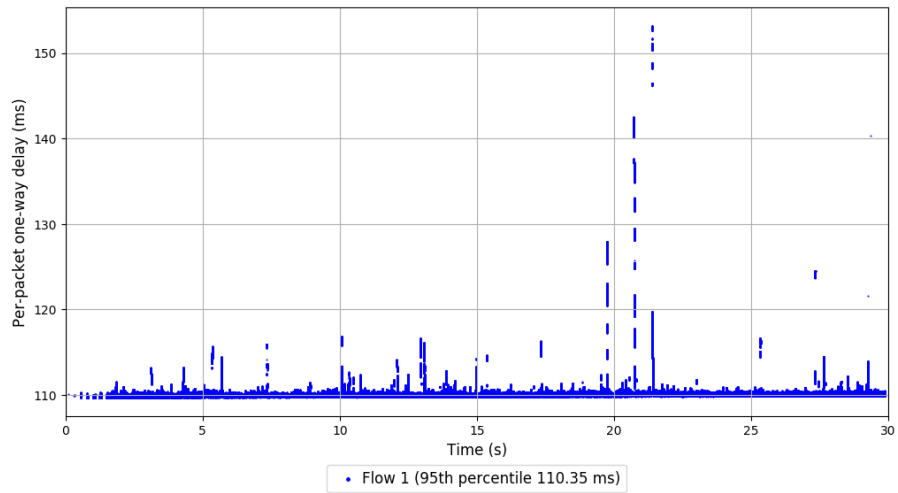
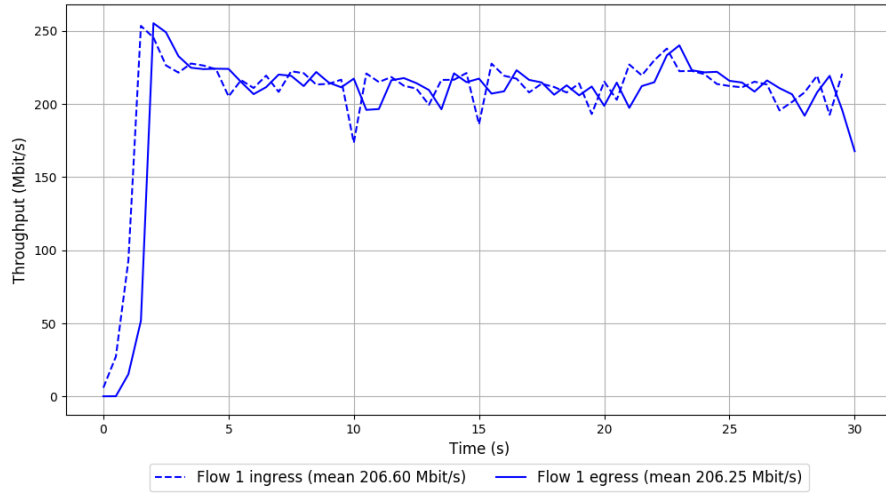


Run 3: Statistics of TaoVA-100x

Start at: 2019-05-29 19:17:19
End at: 2019-05-29 19:17:49
Local clock offset: 31.187 ms
Remote clock offset: 26.002 ms

Below is generated by plot.py at 2019-05-29 22:20:26
Datalink statistics
-- Total of 1 flow:
Average throughput: 206.25 Mbit/s
95th percentile per-packet one-way delay: 110.354 ms
Loss rate: 0.90%
-- Flow 1:
Average throughput: 206.25 Mbit/s
95th percentile per-packet one-way delay: 110.354 ms
Loss rate: 0.90%

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

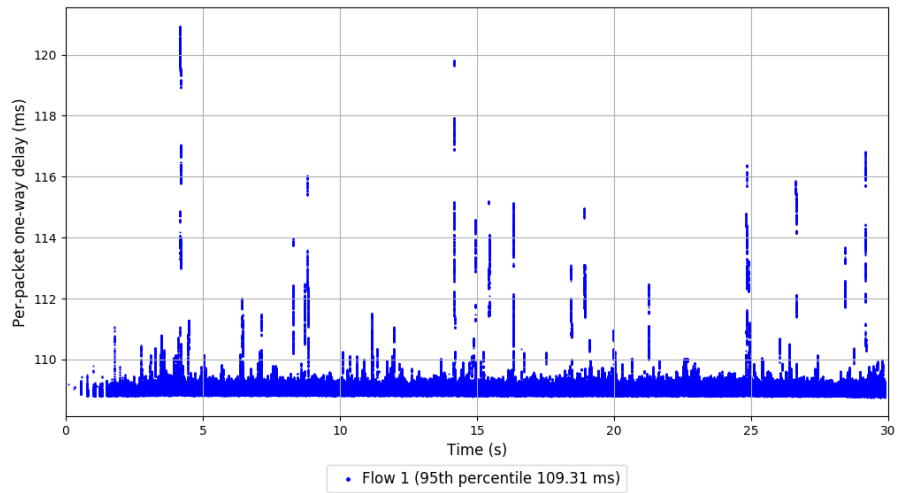
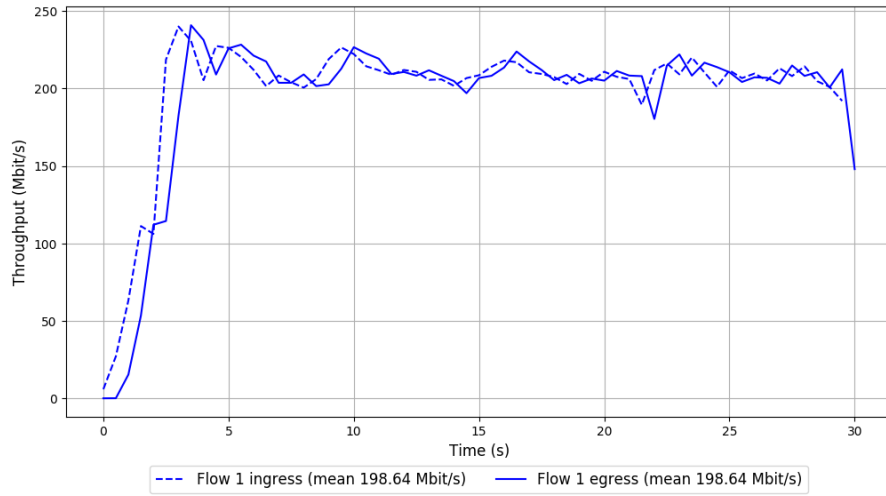


Run 4: Statistics of TaoVA-100x

Start at: 2019-05-29 19:48:48
End at: 2019-05-29 19:49:18
Local clock offset: 18.475 ms
Remote clock offset: 15.738 ms

Below is generated by plot.py at 2019-05-29 22:20:30
Datalink statistics
-- Total of 1 flow:
Average throughput: 198.64 Mbit/s
95th percentile per-packet one-way delay: 109.310 ms
Loss rate: 0.73%
-- Flow 1:
Average throughput: 198.64 Mbit/s
95th percentile per-packet one-way delay: 109.310 ms
Loss rate: 0.73%

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



Run 5: Statistics of TaoVA-100x

Start at: 2019-05-29 20:20:05

End at: 2019-05-29 20:20:35

Local clock offset: 8.311 ms

Remote clock offset: 6.939 ms

Below is generated by plot.py at 2019-05-29 22:21:08

Datalink statistics

-- Total of 1 flow:

Average throughput: 191.68 Mbit/s

95th percentile per-packet one-way delay: 110.503 ms

Loss rate: 0.85%

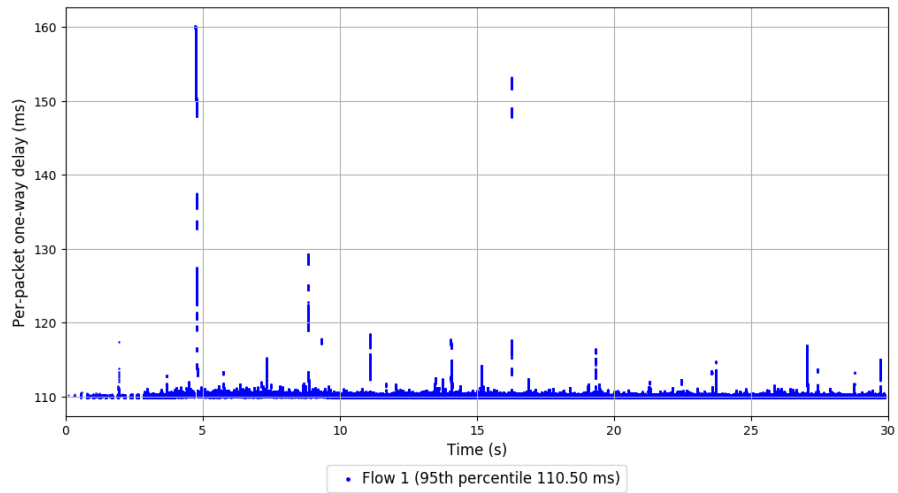
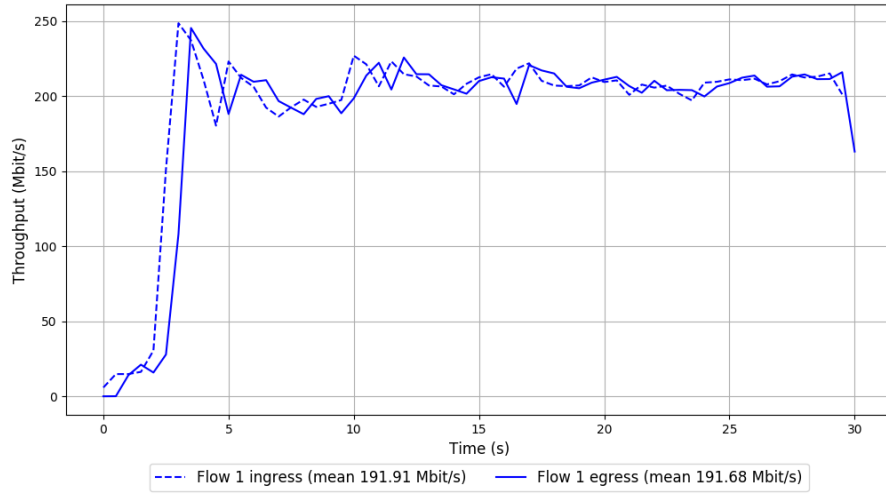
-- Flow 1:

Average throughput: 191.68 Mbit/s

95th percentile per-packet one-way delay: 110.503 ms

Loss rate: 0.85%

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



Run 1: Statistics of TCP Vegas

Start at: 2019-05-29 18:09:57

End at: 2019-05-29 18:10:27

Local clock offset: 3.471 ms

Remote clock offset: 2.916 ms

Below is generated by plot.py at 2019-05-29 22:21:08

Datalink statistics

-- Total of 1 flow:

Average throughput: 237.17 Mbit/s

95th percentile per-packet one-way delay: 114.952 ms

Loss rate: 0.50%

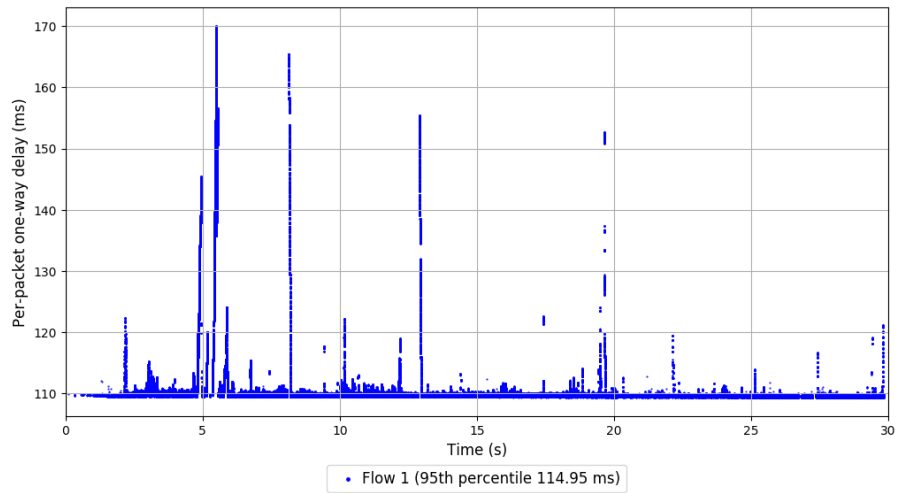
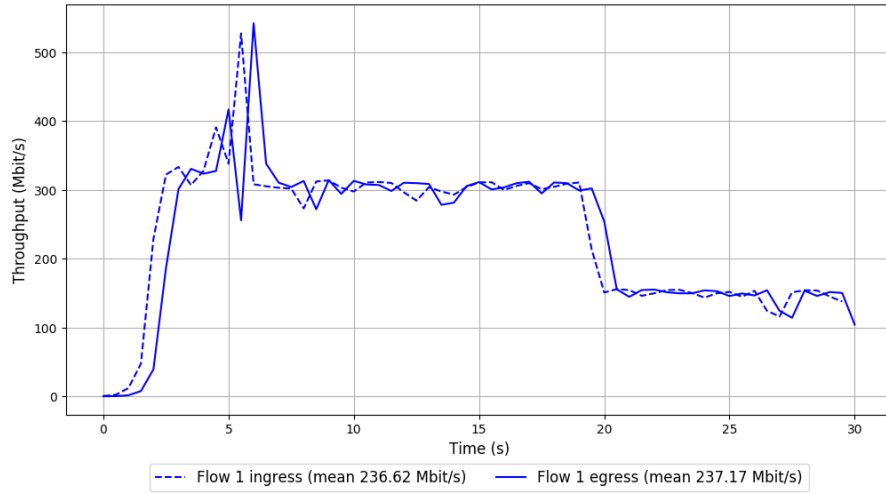
-- Flow 1:

Average throughput: 237.17 Mbit/s

95th percentile per-packet one-way delay: 114.952 ms

Loss rate: 0.50%

Run 1: Report of TCP Vegas — Data Link

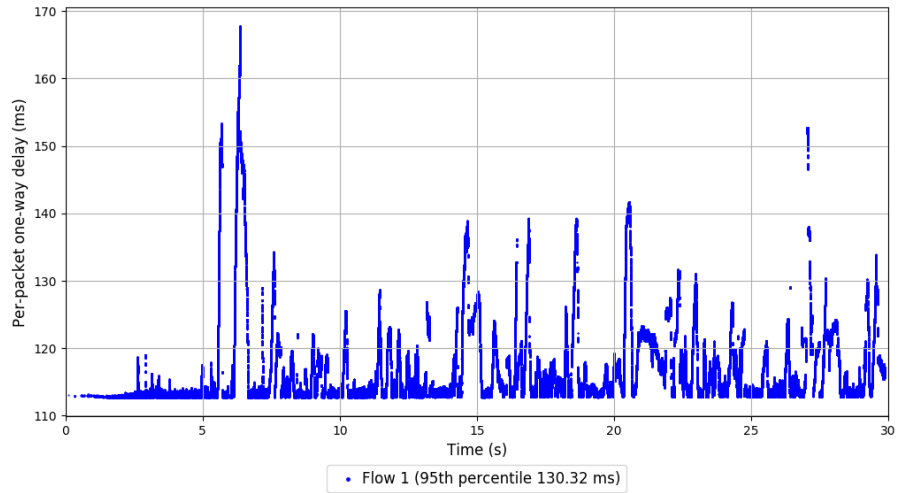
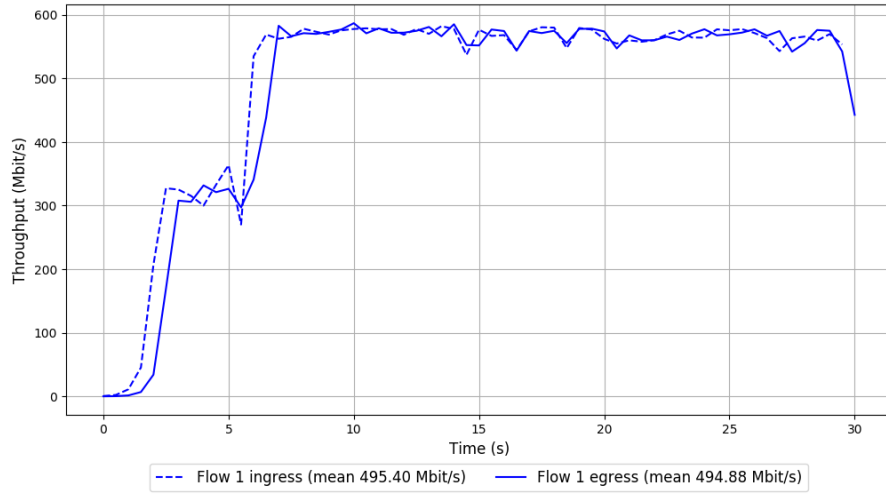


Run 2: Statistics of TCP Vegas

Start at: 2019-05-29 18:41:10
End at: 2019-05-29 18:41:40
Local clock offset: 24.488 ms
Remote clock offset: 21.025 ms

Below is generated by plot.py at 2019-05-29 22:27:30
Datalink statistics
-- Total of 1 flow:
Average throughput: 494.88 Mbit/s
95th percentile per-packet one-way delay: 130.321 ms
Loss rate: 0.84%
-- Flow 1:
Average throughput: 494.88 Mbit/s
95th percentile per-packet one-way delay: 130.321 ms
Loss rate: 0.84%

Run 2: Report of TCP Vegas — Data Link

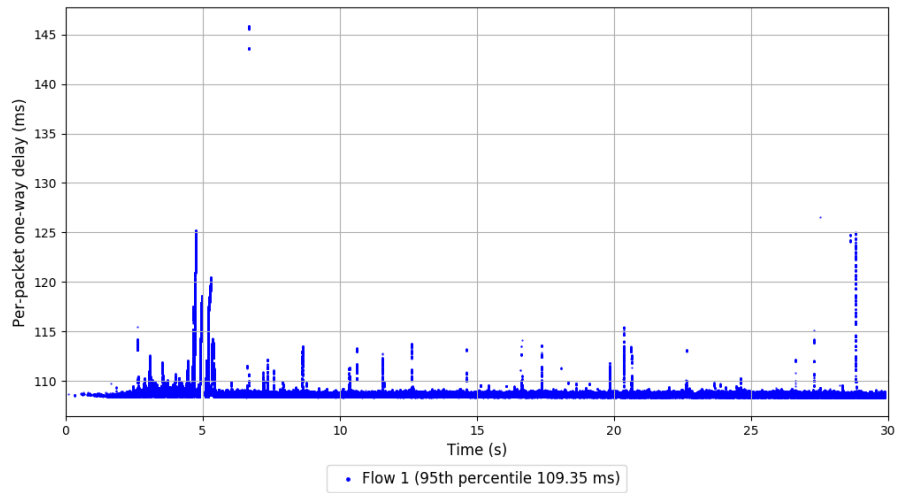
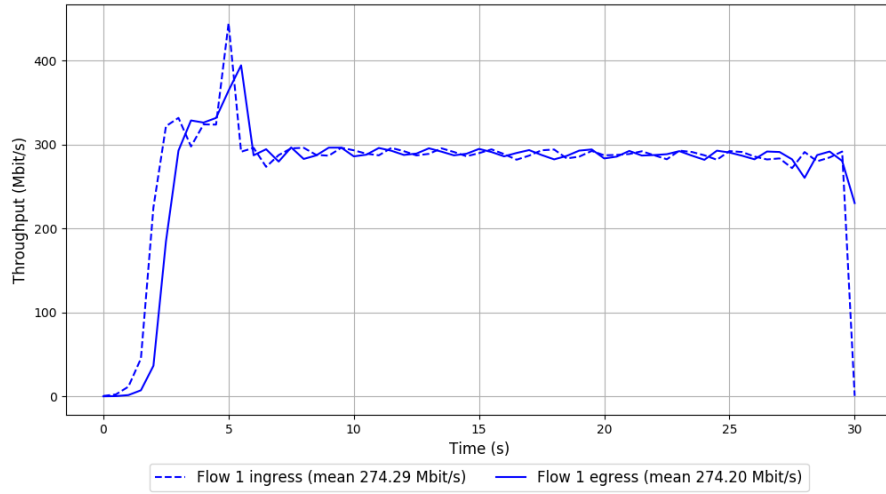


Run 3: Statistics of TCP Vegas

Start at: 2019-05-29 19:12:42
End at: 2019-05-29 19:13:12
Local clock offset: 34.128 ms
Remote clock offset: 29.295 ms

Below is generated by plot.py at 2019-05-29 22:27:30
Datalink statistics
-- Total of 1 flow:
Average throughput: 274.20 Mbit/s
95th percentile per-packet one-way delay: 109.350 ms
Loss rate: 0.76%
-- Flow 1:
Average throughput: 274.20 Mbit/s
95th percentile per-packet one-way delay: 109.350 ms
Loss rate: 0.76%

Run 3: Report of TCP Vegas — Data Link

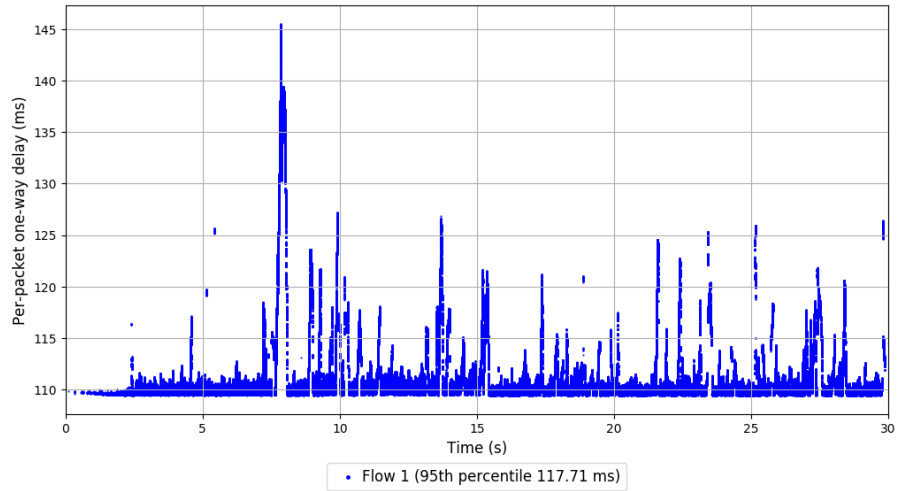
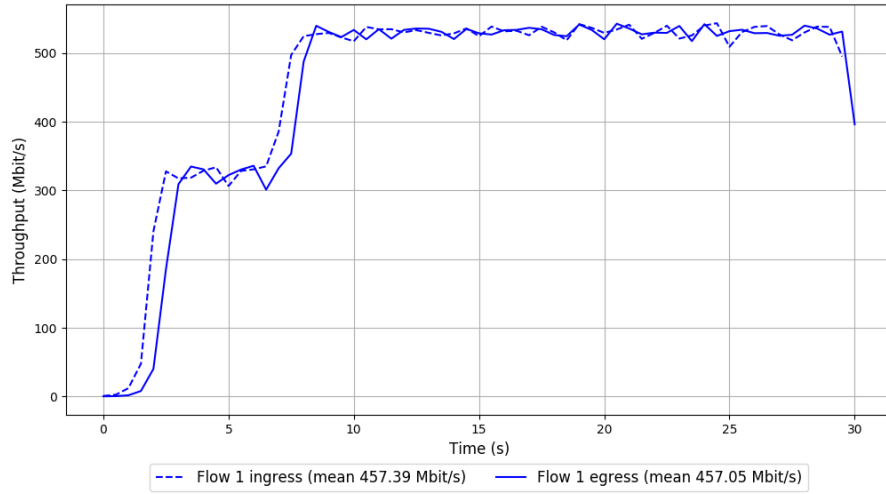


Run 4: Statistics of TCP Vegas

Start at: 2019-05-29 19:43:59
End at: 2019-05-29 19:44:29
Local clock offset: 15.946 ms
Remote clock offset: 14.073 ms

```
# Below is generated by plot.py at 2019-05-29 22:28:23
# Datalink statistics
-- Total of 1 flow:
Average throughput: 457.05 Mbit/s
95th percentile per-packet one-way delay: 117.713 ms
Loss rate: 0.81%
-- Flow 1:
Average throughput: 457.05 Mbit/s
95th percentile per-packet one-way delay: 117.713 ms
Loss rate: 0.81%
```

Run 4: Report of TCP Vegas — Data Link



Run 5: Statistics of TCP Vegas

Start at: 2019-05-29 20:15:34

End at: 2019-05-29 20:16:04

Local clock offset: 7.665 ms

Remote clock offset: 6.224 ms

Below is generated by plot.py at 2019-05-29 22:28:23

Datalink statistics

-- Total of 1 flow:

Average throughput: 367.84 Mbit/s

95th percentile per-packet one-way delay: 110.999 ms

Loss rate: 0.86%

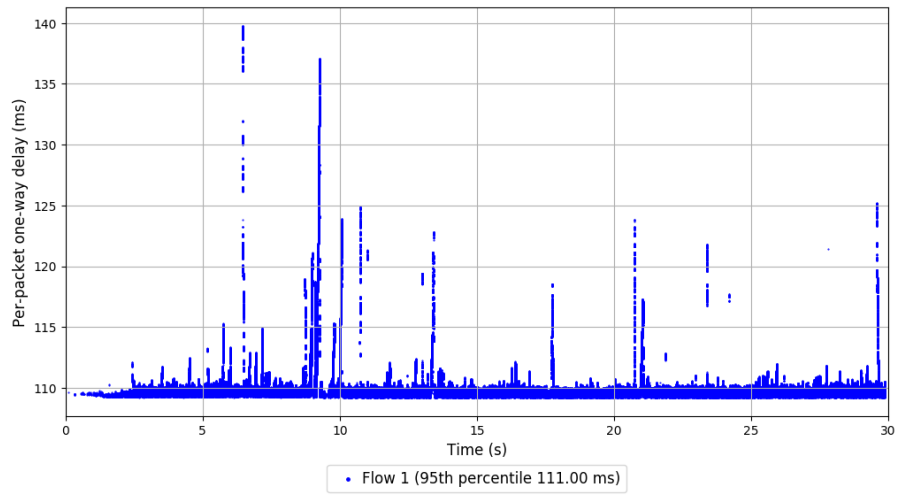
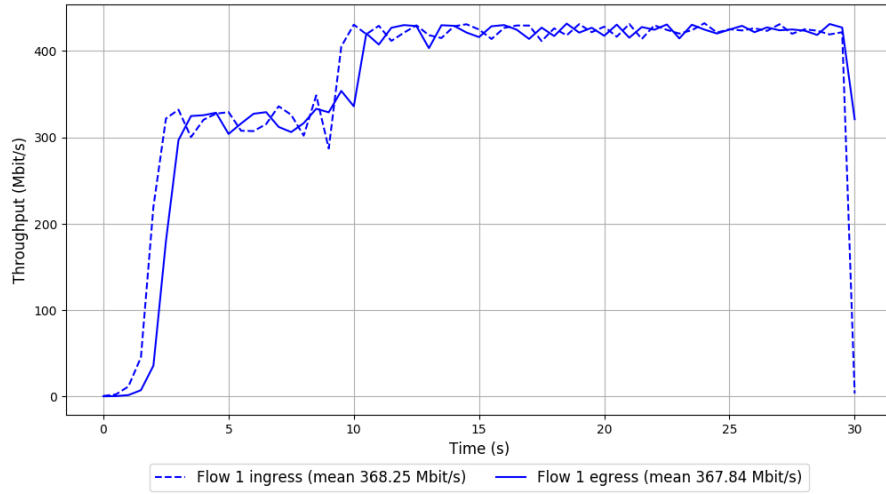
-- Flow 1:

Average throughput: 367.84 Mbit/s

95th percentile per-packet one-way delay: 110.999 ms

Loss rate: 0.86%

Run 5: Report of TCP Vegas — Data Link



Run 1: Statistics of Verus

Start at: 2019-05-29 18:38:31

End at: 2019-05-29 18:39:01

Local clock offset: 20.253 ms

Remote clock offset: 17.97 ms

Below is generated by plot.py at 2019-05-29 22:28:23

Datalink statistics

-- Total of 1 flow:

Average throughput: 172.17 Mbit/s

95th percentile per-packet one-way delay: 273.399 ms

Loss rate: 12.54%

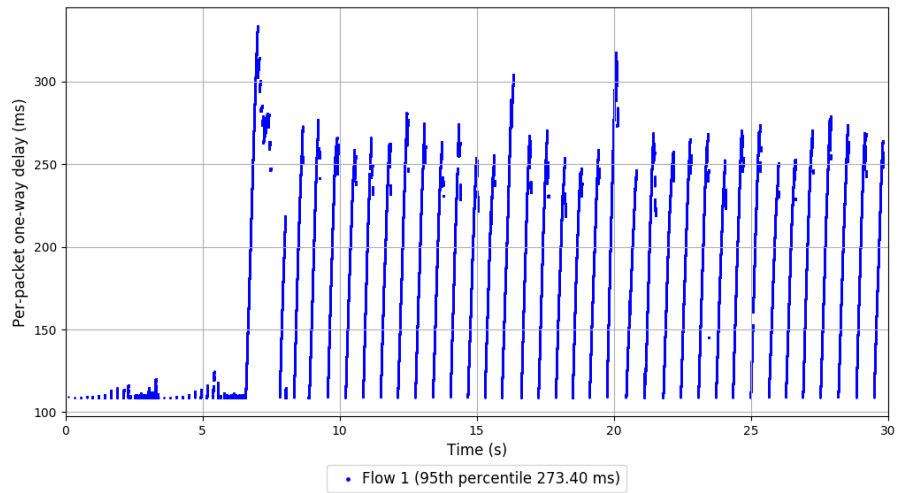
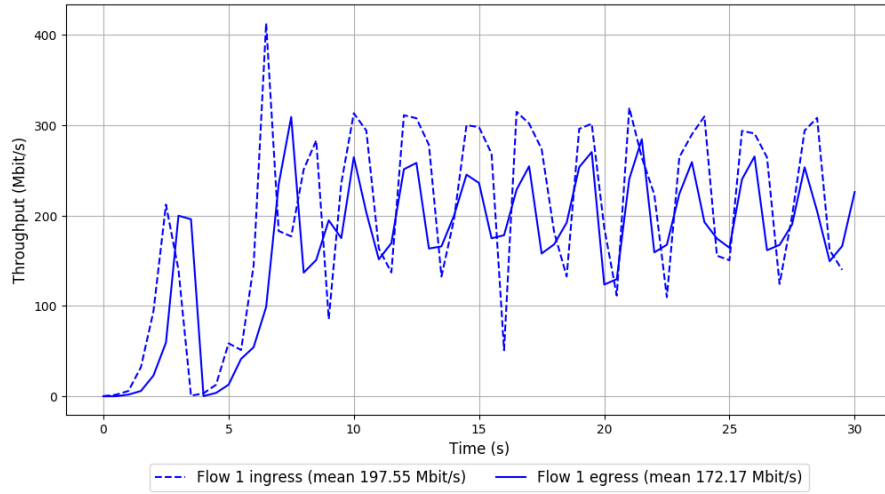
-- Flow 1:

Average throughput: 172.17 Mbit/s

95th percentile per-packet one-way delay: 273.399 ms

Loss rate: 12.54%

Run 1: Report of Verus — Data Link

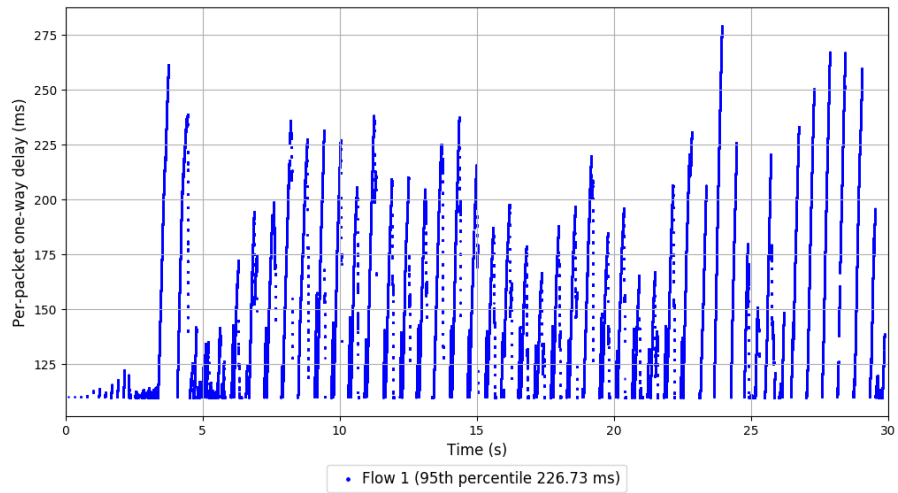
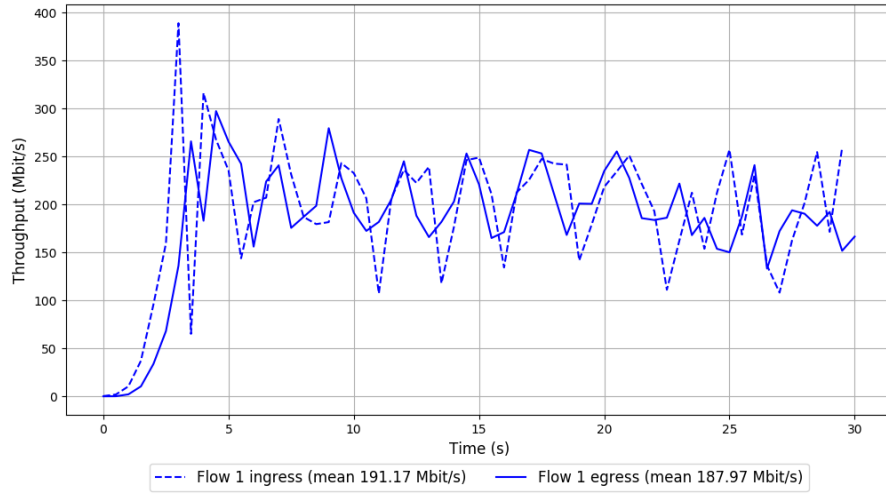


Run 2: Statistics of Verus

Start at: 2019-05-29 19:10:03
End at: 2019-05-29 19:10:33
Local clock offset: 31.561 ms
Remote clock offset: 26.907 ms

Below is generated by plot.py at 2019-05-29 22:28:23
Datalink statistics
-- Total of 1 flow:
Average throughput: 187.97 Mbit/s
95th percentile per-packet one-way delay: 226.726 ms
Loss rate: 2.09%
-- Flow 1:
Average throughput: 187.97 Mbit/s
95th percentile per-packet one-way delay: 226.726 ms
Loss rate: 2.09%

Run 2: Report of Verus — Data Link

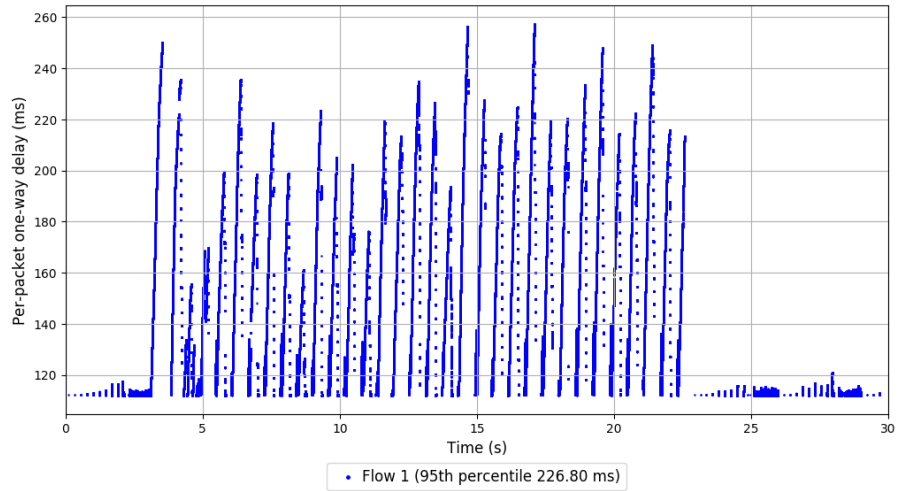
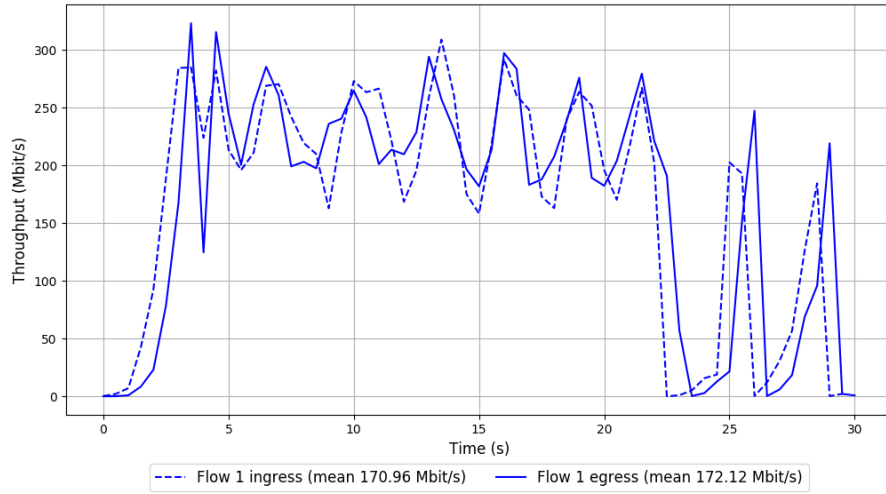


Run 3: Statistics of Verus

Start at: 2019-05-29 19:41:22
End at: 2019-05-29 19:41:52
Local clock offset: 15.387 ms
Remote clock offset: 13.253 ms

Below is generated by plot.py at 2019-05-29 22:28:23
Datalink statistics
-- Total of 1 flow:
Average throughput: 172.12 Mbit/s
95th percentile per-packet one-way delay: 226.800 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 172.12 Mbit/s
95th percentile per-packet one-way delay: 226.800 ms
Loss rate: 0.08%

Run 3: Report of Verus — Data Link



Run 4: Statistics of Verus

Start at: 2019-05-29 20:12:52

End at: 2019-05-29 20:13:22

Local clock offset: 7.234 ms

Remote clock offset: 5.989 ms

Below is generated by plot.py at 2019-05-29 22:28:54

Datalink statistics

-- Total of 1 flow:

Average throughput: 196.58 Mbit/s

95th percentile per-packet one-way delay: 268.831 ms

Loss rate: 17.24%

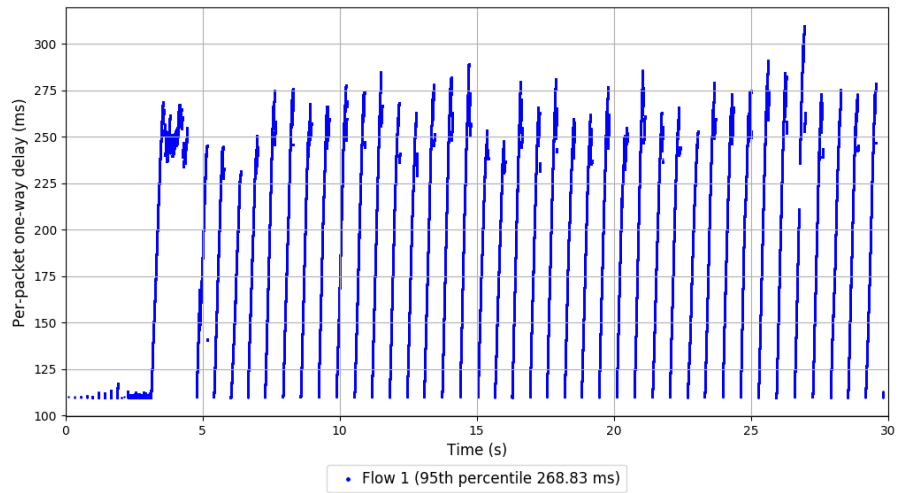
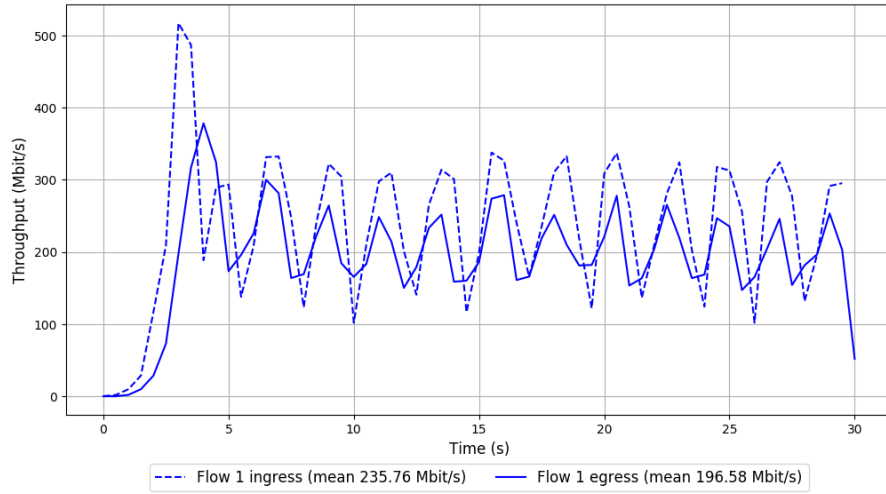
-- Flow 1:

Average throughput: 196.58 Mbit/s

95th percentile per-packet one-way delay: 268.831 ms

Loss rate: 17.24%

Run 4: Report of Verus — Data Link



Run 5: Statistics of Verus

Start at: 2019-05-29 20:44:13

End at: 2019-05-29 20:44:43

Local clock offset: 1.497 ms

Remote clock offset: 1.597 ms

Below is generated by plot.py at 2019-05-29 22:30:03

Datalink statistics

-- Total of 1 flow:

Average throughput: 163.09 Mbit/s

95th percentile per-packet one-way delay: 188.432 ms

Loss rate: 1.36%

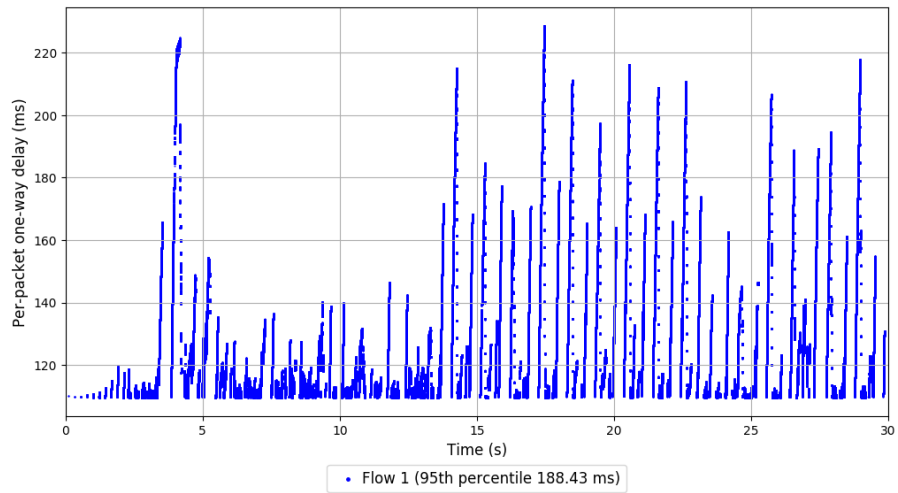
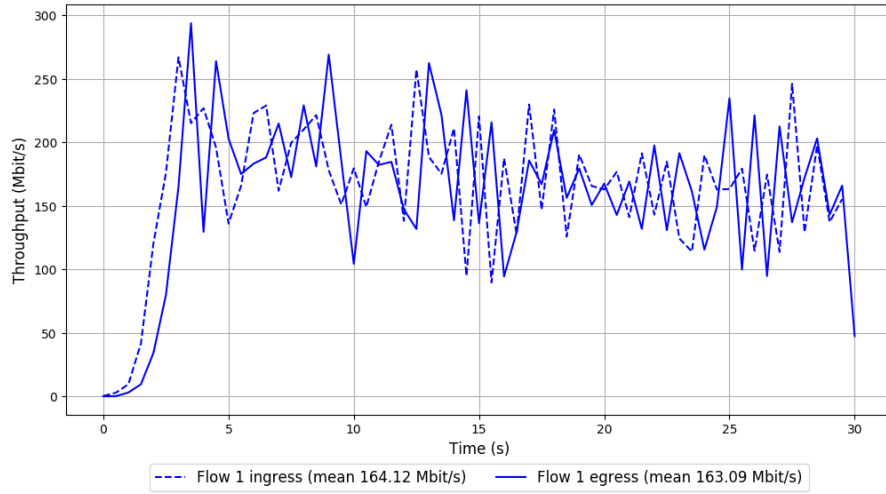
-- Flow 1:

Average throughput: 163.09 Mbit/s

95th percentile per-packet one-way delay: 188.432 ms

Loss rate: 1.36%

Run 5: Report of Verus — Data Link



Run 1: Statistics of PCC-Vivace

Start at: 2019-05-29 18:26:23

End at: 2019-05-29 18:26:53

Local clock offset: 13.365 ms

Remote clock offset: 10.996 ms

Below is generated by plot.py at 2019-05-29 22:31:23

Datalink statistics

-- Total of 1 flow:

Average throughput: 305.82 Mbit/s

95th percentile per-packet one-way delay: 136.276 ms

Loss rate: 1.28%

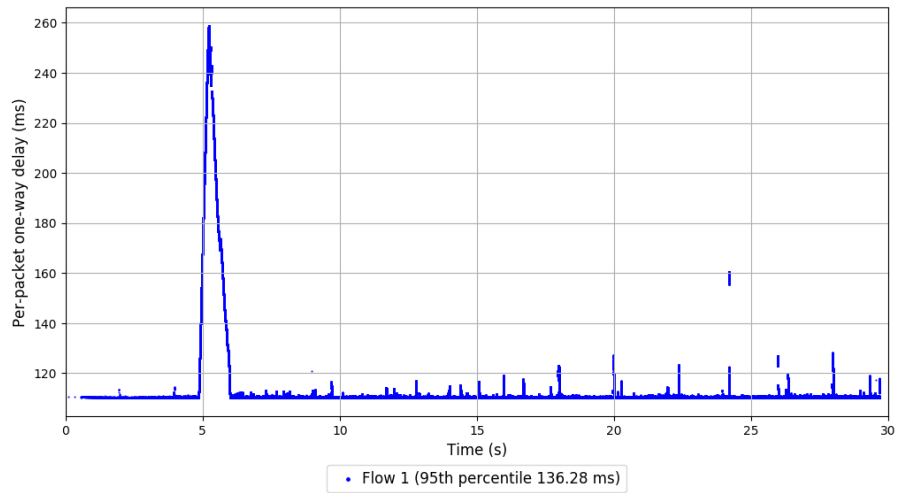
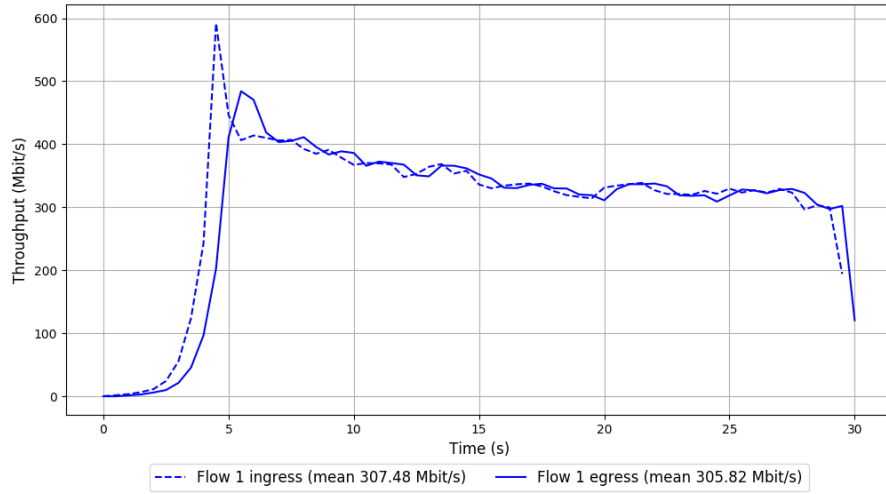
-- Flow 1:

Average throughput: 305.82 Mbit/s

95th percentile per-packet one-way delay: 136.276 ms

Loss rate: 1.28%

Run 1: Report of PCC-Vivace — Data Link



Run 2: Statistics of PCC-Vivace

Start at: 2019-05-29 18:58:00

End at: 2019-05-29 18:58:30

Local clock offset: 20.504 ms

Remote clock offset: 18.237 ms

Below is generated by plot.py at 2019-05-29 22:31:23

Datalink statistics

-- Total of 1 flow:

Average throughput: 192.44 Mbit/s

95th percentile per-packet one-way delay: 109.338 ms

Loss rate: 0.87%

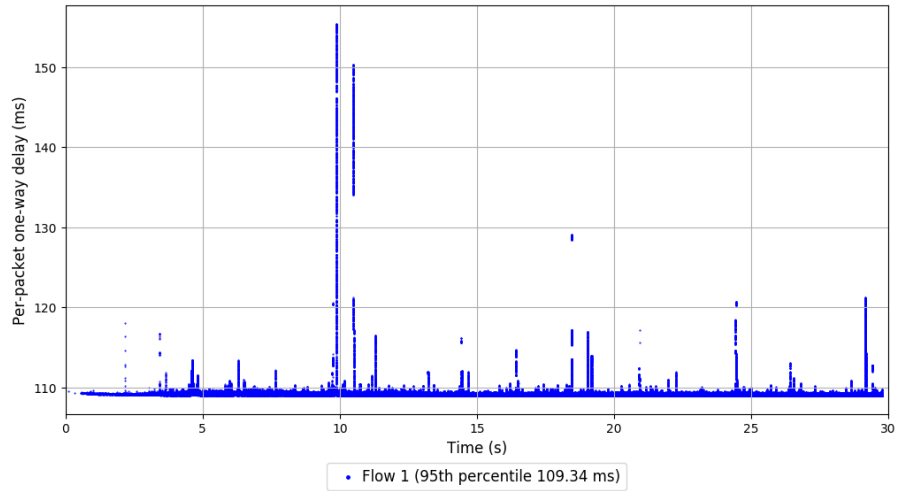
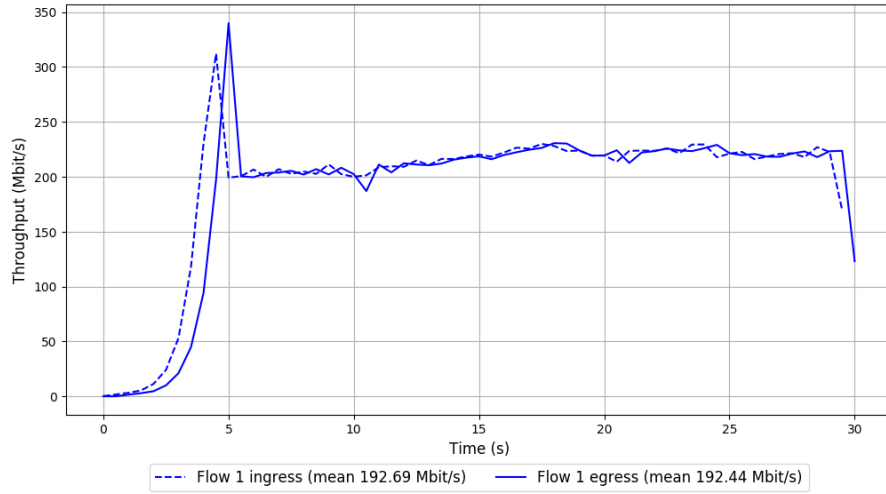
-- Flow 1:

Average throughput: 192.44 Mbit/s

95th percentile per-packet one-way delay: 109.338 ms

Loss rate: 0.87%

Run 2: Report of PCC-Vivace — Data Link



Run 3: Statistics of PCC-Vivace

Start at: 2019-05-29 19:29:09

End at: 2019-05-29 19:29:39

Local clock offset: 14.829 ms

Remote clock offset: 12.446 ms

Below is generated by plot.py at 2019-05-29 22:31:24

Datalink statistics

-- Total of 1 flow:

Average throughput: 295.45 Mbit/s

95th percentile per-packet one-way delay: 122.398 ms

Loss rate: 0.64%

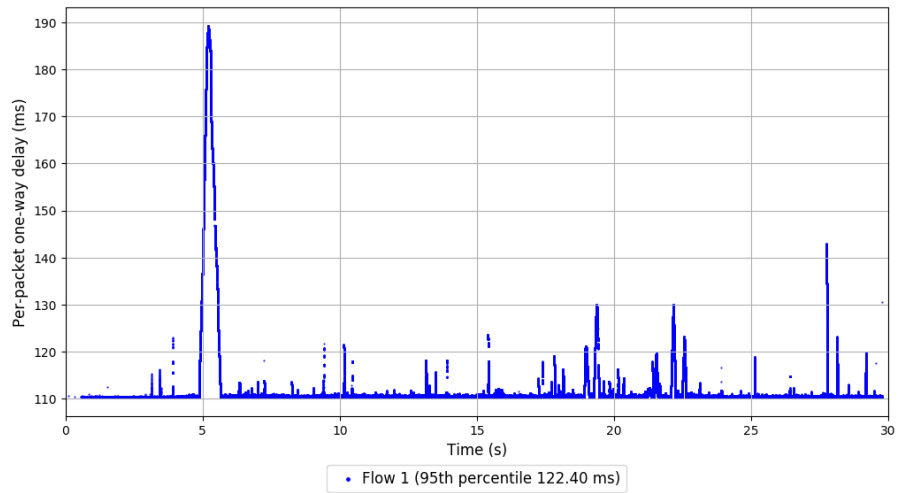
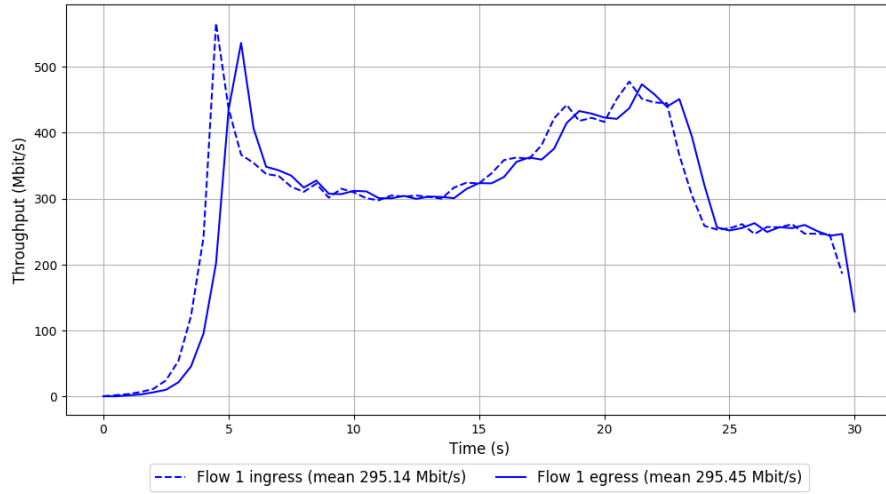
-- Flow 1:

Average throughput: 295.45 Mbit/s

95th percentile per-packet one-way delay: 122.398 ms

Loss rate: 0.64%

Run 3: Report of PCC-Vivace — Data Link



Run 4: Statistics of PCC-Vivace

Start at: 2019-05-29 20:00:49

End at: 2019-05-29 20:01:19

Local clock offset: 8.069 ms

Remote clock offset: 6.562 ms

Below is generated by plot.py at 2019-05-29 22:31:29

Datalink statistics

-- Total of 1 flow:

Average throughput: 323.87 Mbit/s

95th percentile per-packet one-way delay: 115.557 ms

Loss rate: 0.76%

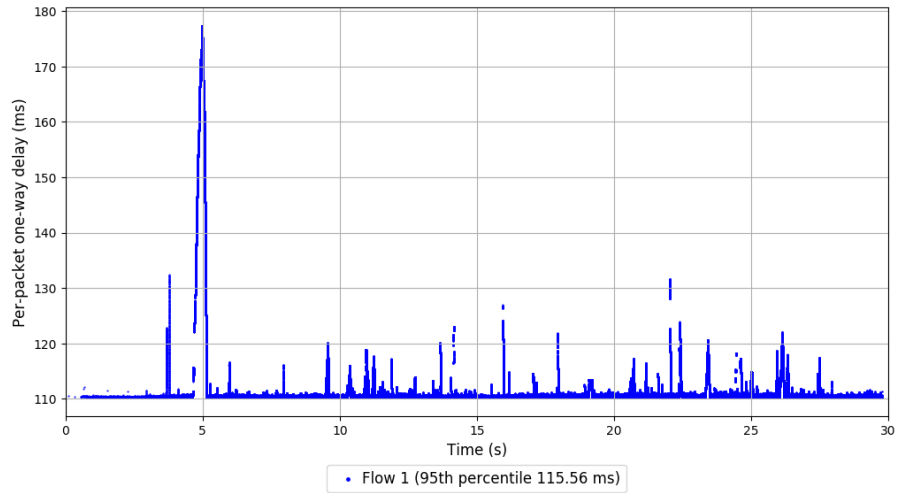
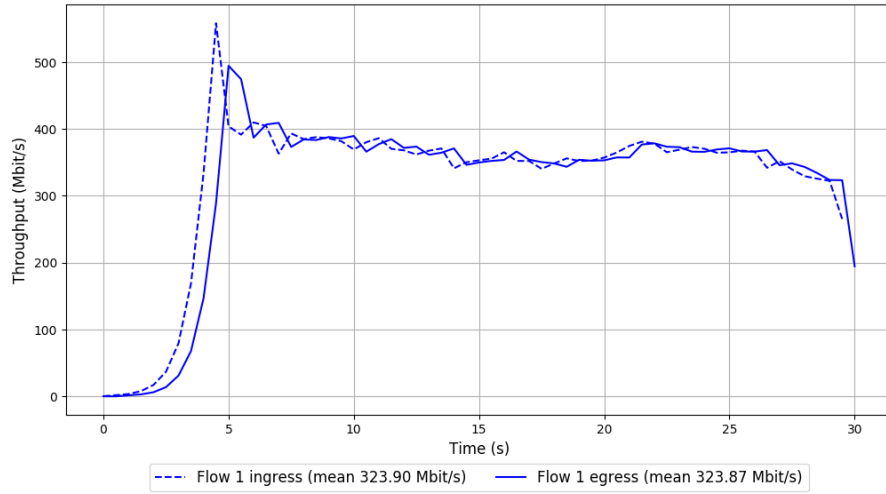
-- Flow 1:

Average throughput: 323.87 Mbit/s

95th percentile per-packet one-way delay: 115.557 ms

Loss rate: 0.76%

Run 4: Report of PCC-Vivace — Data Link



Run 5: Statistics of PCC-Vivace

Start at: 2019-05-29 20:32:06

End at: 2019-05-29 20:32:36

Local clock offset: 4.483 ms

Remote clock offset: 3.136 ms

Below is generated by plot.py at 2019-05-29 22:31:29

Datalink statistics

-- Total of 1 flow:

Average throughput: 308.34 Mbit/s

95th percentile per-packet one-way delay: 111.896 ms

Loss rate: 0.91%

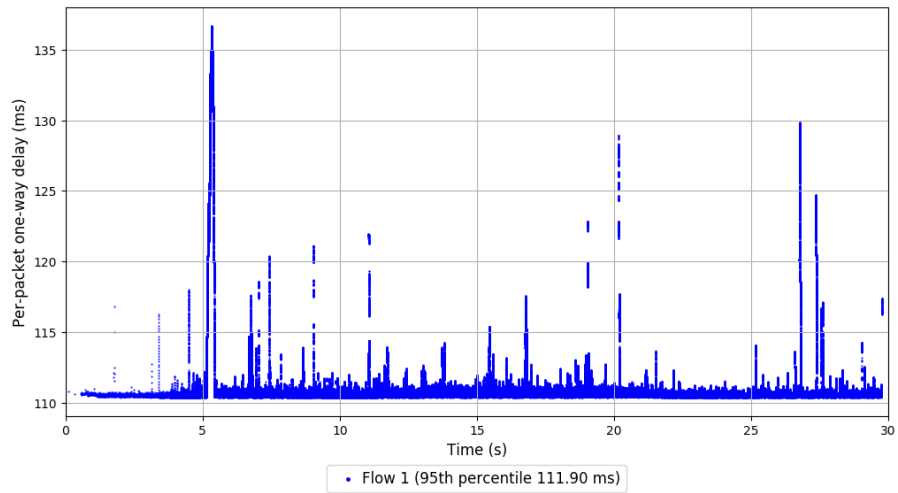
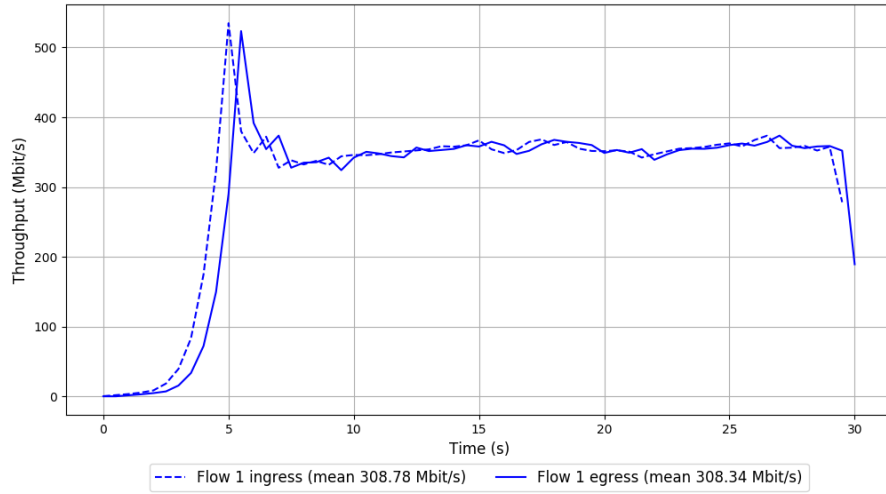
-- Flow 1:

Average throughput: 308.34 Mbit/s

95th percentile per-packet one-way delay: 111.896 ms

Loss rate: 0.91%

Run 5: Report of PCC-Vivace — Data Link



Run 1: Statistics of WebRTC media

Start at: 2019-05-29 18:08:45

End at: 2019-05-29 18:09:15

Local clock offset: 2.323 ms

Remote clock offset: 2.25 ms

Below is generated by plot.py at 2019-05-29 22:31:29

Datalink statistics

-- Total of 1 flow:

Average throughput: 1.94 Mbit/s

95th percentile per-packet one-way delay: 108.654 ms

Loss rate: 1.14%

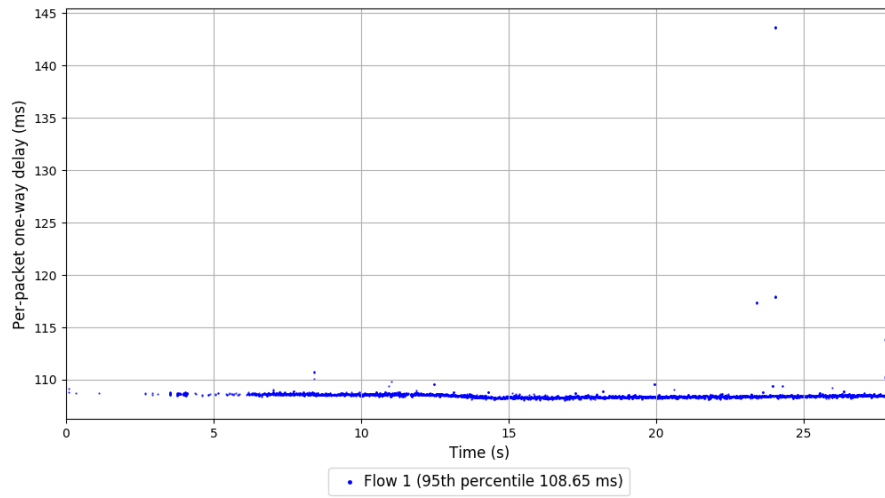
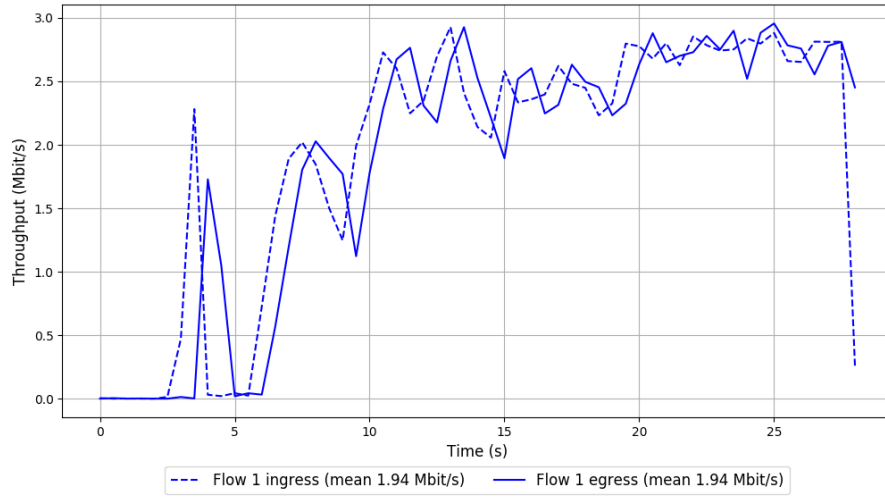
-- Flow 1:

Average throughput: 1.94 Mbit/s

95th percentile per-packet one-way delay: 108.654 ms

Loss rate: 1.14%

Run 1: Report of WebRTC media — Data Link

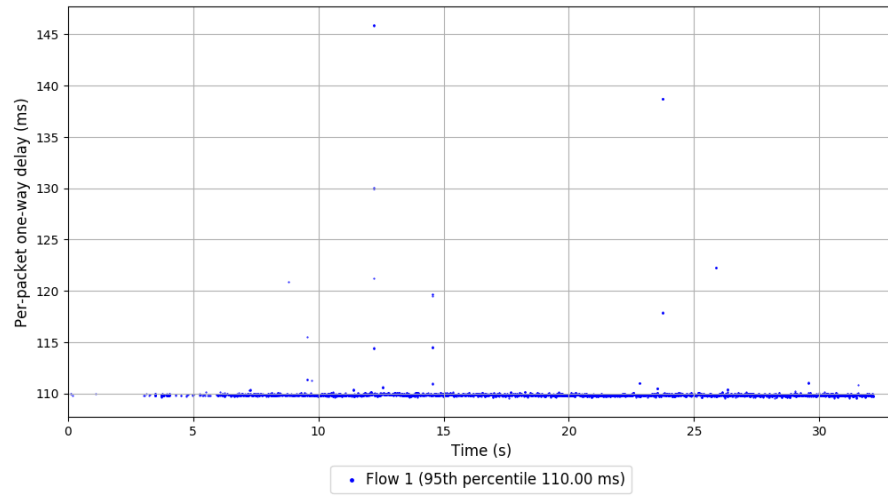
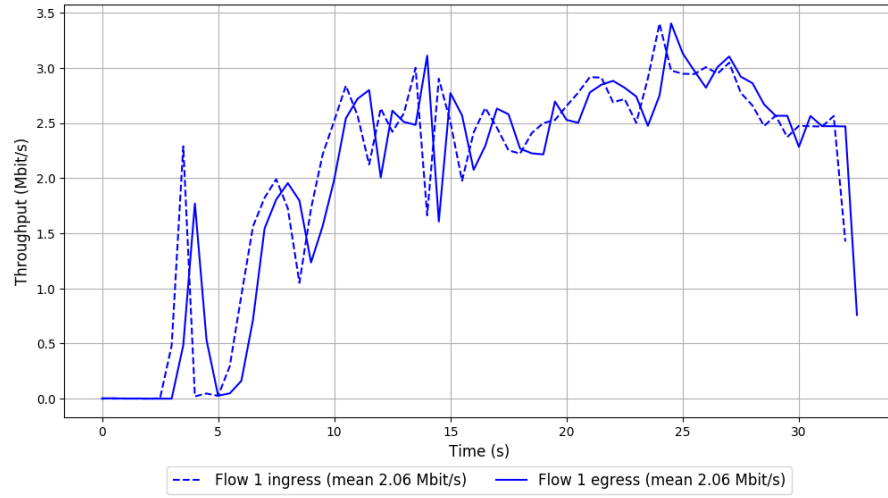


Run 2: Statistics of WebRTC media

Start at: 2019-05-29 18:40:00
End at: 2019-05-29 18:40:30
Local clock offset: 22.805 ms
Remote clock offset: 19.722 ms

Below is generated by plot.py at 2019-05-29 22:31:29
Datalink statistics
-- Total of 1 flow:
Average throughput: 2.06 Mbit/s
95th percentile per-packet one-way delay: 110.000 ms
Loss rate: 0.93%
-- Flow 1:
Average throughput: 2.06 Mbit/s
95th percentile per-packet one-way delay: 110.000 ms
Loss rate: 0.93%

Run 2: Report of WebRTC media — Data Link

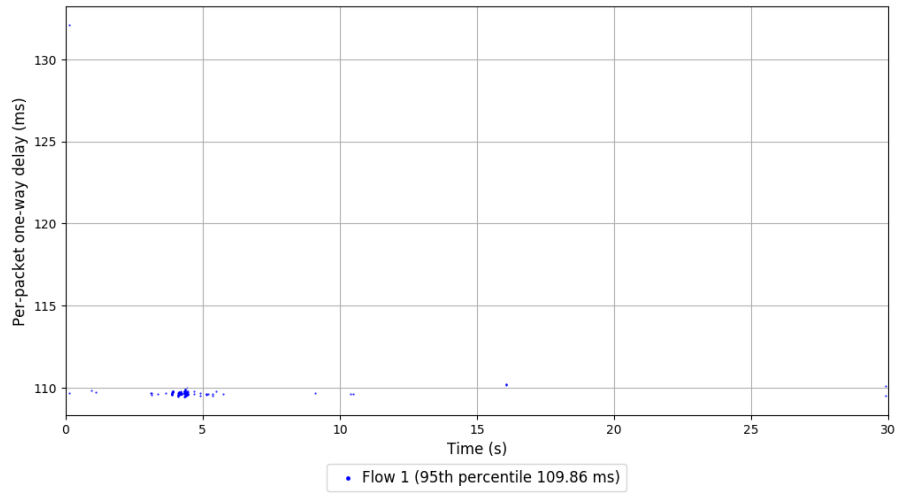
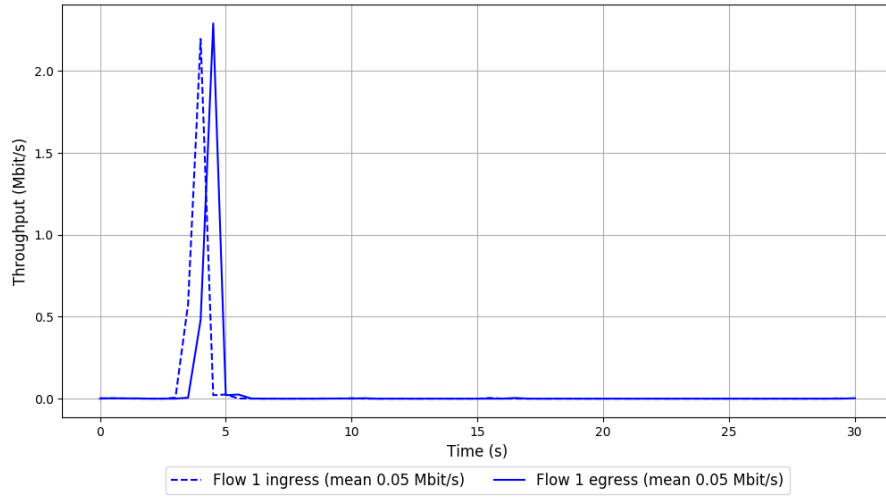


Run 3: Statistics of WebRTC media

Start at: 2019-05-29 19:11:33
End at: 2019-05-29 19:12:03
Local clock offset: 32.926 ms
Remote clock offset: 28.348 ms

Below is generated by plot.py at 2019-05-29 22:31:29
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 109.863 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 109.863 ms
Loss rate: 0.00%

Run 3: Report of WebRTC media — Data Link



Run 4: Statistics of WebRTC media

Start at: 2019-05-29 19:42:50

End at: 2019-05-29 19:43:20

Local clock offset: 15.946 ms

Remote clock offset: 13.65 ms

Below is generated by plot.py at 2019-05-29 22:31:29

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.05 Mbit/s

95th percentile per-packet one-way delay: 109.966 ms

Loss rate: 0.00%

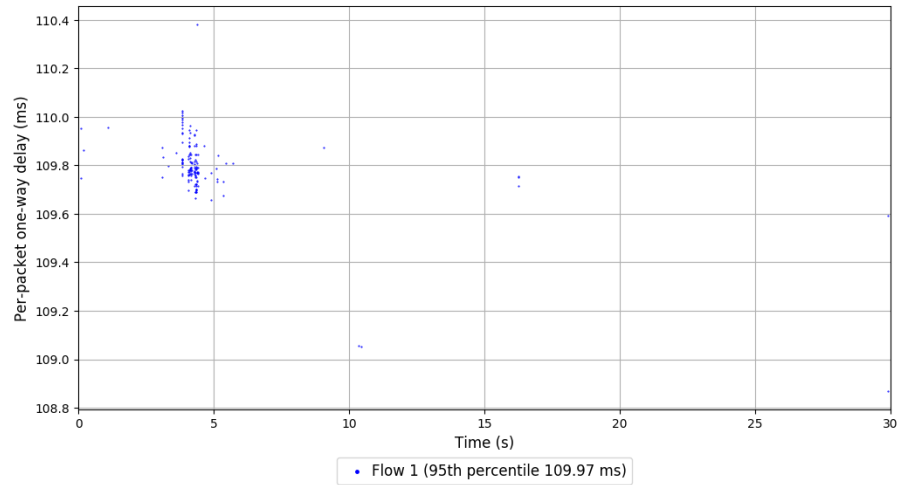
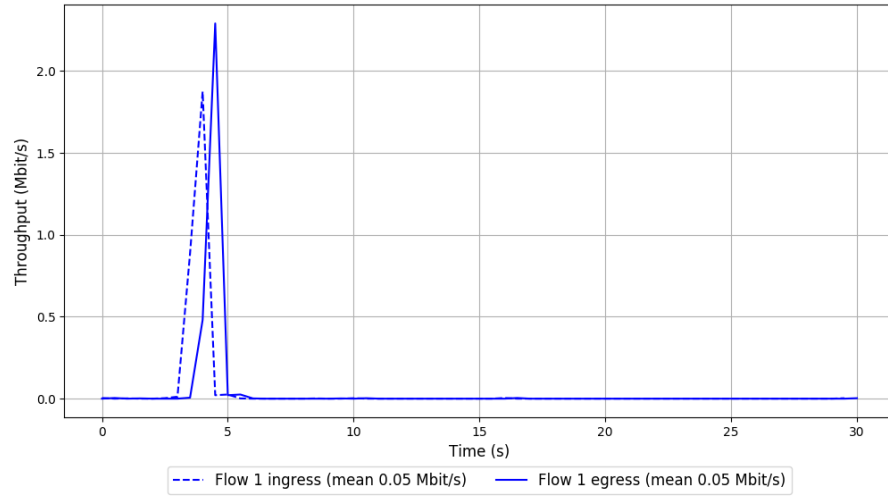
-- Flow 1:

Average throughput: 0.05 Mbit/s

95th percentile per-packet one-way delay: 109.966 ms

Loss rate: 0.00%

Run 4: Report of WebRTC media — Data Link



Run 5: Statistics of WebRTC media

Start at: 2019-05-29 20:14:24

End at: 2019-05-29 20:14:54

Local clock offset: 7.566 ms

Remote clock offset: 6.078 ms

Run 5: Report of WebRTC media — Data Link

