

Pantheon Report

Generated at 2019-03-19 08:45:17 (UTC).

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

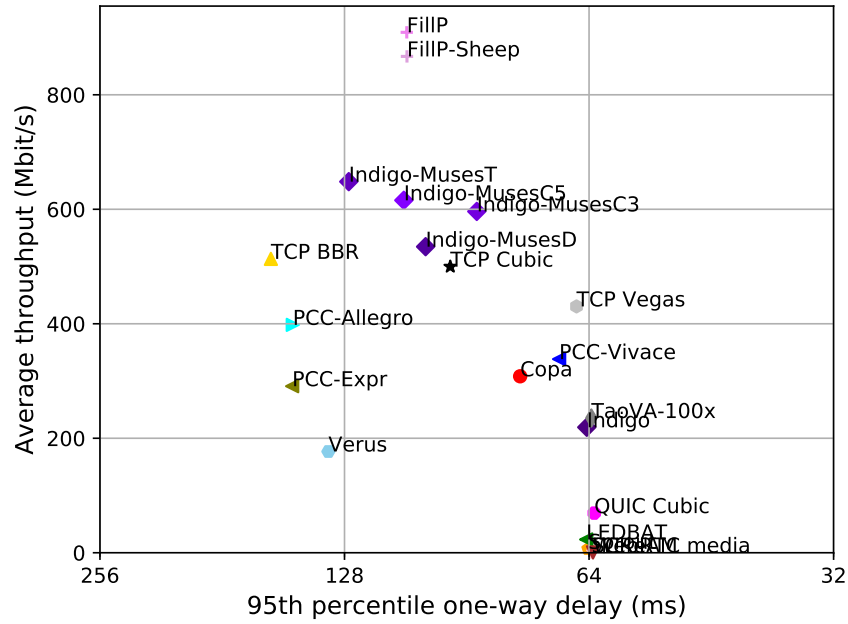
```
Linux 4.15.0-1028-gcp
net.core.default_qdisc = fq
net.core.rmem_default = 16777216
net.core.rmem_max = 536870912
net.core.wmem_default = 16777216
net.core.wmem_max = 536870912
net.ipv4.tcp_rmem = 4096 16777216 536870912
net.ipv4.tcp_wmem = 4096 16777216 536870912
```

Git summary:

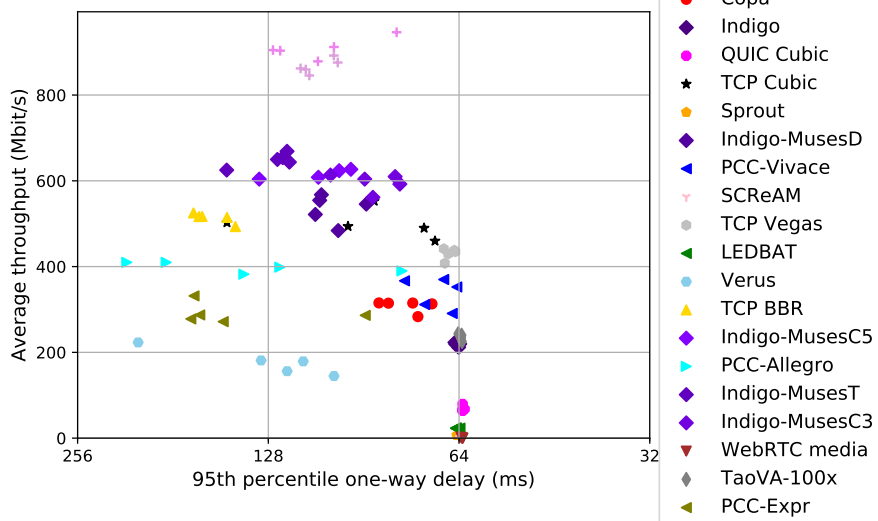
```
branch: muses @ 7a686f7c2ed0a333082c0bab1fa5c921ab47e6ee
third_party/fillp @ d6da1459332fcee56963885d7eba17e6a32d4519
third_party/fillp-sheep @ 0e5bb722943babcd2b090d2c64fcd45e12e923f9
third_party/genericCC @ d0153f8e594aa89e93b032143cedbdf5e58e562f4
third_party/indigo @ 2601c92e4aa9d58d38dc4dfe0ecd9c077e64d
third_party/libutp @ b3465b942e2826f2b179eaab4a906ce6bb7cf3cf
third_party/muses @ 5ce721187ad823da20955337730c746486ca4966
third_party/pantheon-tunnel @ f866d3f58d27afd942717625ee3a354cc2e802bd
third_party/pcc @ 1afc958fa0d66d18b623c091a55fec872b4981e1
M receiver/src/buffer.h
M receiver/src/core.cpp
M sender/src/buffer.h
M sender/src/core.cpp
third_party/pcc-experimental @ cd43e34e3f5f5613e8acd08fab92c4eb24f974ab
third_party/proto-quick @ 77961f1a82733a86b42f1bc8143ebc978f3cff42
third_party/scream-reproduce @ f099118d1421aa3131bf11ff1964974e1da3bdb2
M src/ScreamClient
M src/ScreamServer
third_party/sprout @ 366e35c6178b01e31d4a46ad18c74f9415f19a26
M src/examples/cellsim.cc
M src/examples/sproutbt2.cc
M src/network/sproutconn.cc
third_party/verus @ d4b447ea74c6c60a261149af2629562939f9a494
M src/verus.hpp
M tools/plot.py
third_party/vivace @ 2baf86211435ae071a32f96b7d8c504587f5d7f4
```

third_party/webrtc @ 3f0cc2a9061a41b6f9dde4735770d143a1fa2851

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



test from GCE Tokyo to GCE Iowa, 5 runs of 30s each per scheme



scheme	# runs	mean avg tput (Mbit/s) flow 1	mean 95th-%ile delay (ms) flow 1	mean loss rate (%) flow 1
TCP BBR	5	513.37	157.70	0.88
Copa	5	308.27	77.80	0.44
TCP Cubic	5	499.75	94.85	0.39
FillP	5	909.09	107.29	0.89
FillP-Sheep	5	867.04	107.23	0.66
Indigo	5	219.19	64.42	0.45
Indigo-MusesC3	5	596.25	87.98	0.48
Indigo-MusesC5	4	615.68	108.20	0.53
Indigo-MusesD	5	534.65	101.72	0.49
Indigo-MusesT	5	648.26	126.47	0.53
LEDBAT	5	23.20	64.52	0.84
PCC-Allegro	5	398.08	148.20	4.75
PCC-Expr	5	290.94	148.48	2.86
QUIC Cubic	4	69.28	63.07	0.51
SCReAM	5	0.22	63.53	0.43
Sprout	5	6.80	64.15	0.45
TaoVA-100x	5	235.33	63.59	0.44
TCP Vegas	5	430.31	66.31	0.33
Verus	5	176.85	133.99	1.07
PCC-Vivace	5	338.28	69.67	0.47
WebRTC media	5	0.49	63.29	0.11

Run 1: Statistics of TCP BBR

Start at: 2019-03-19 04:16:11

End at: 2019-03-19 04:16:41

Local clock offset: -0.107 ms

Remote clock offset: 0.058 ms

Below is generated by plot.py at 2019-03-19 07:10:28

Datalink statistics

-- Total of 1 flow:

Average throughput: 493.29 Mbit/s

95th percentile per-packet one-way delay: 144.251 ms

Loss rate: 0.71%

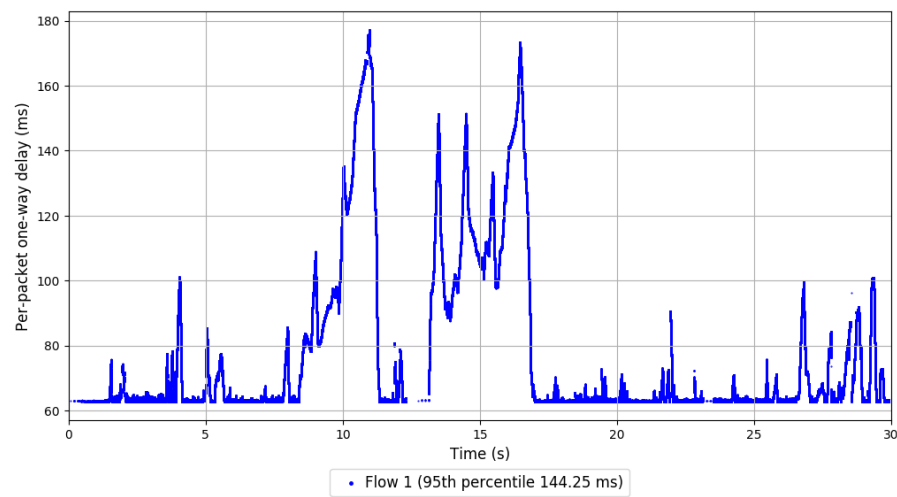
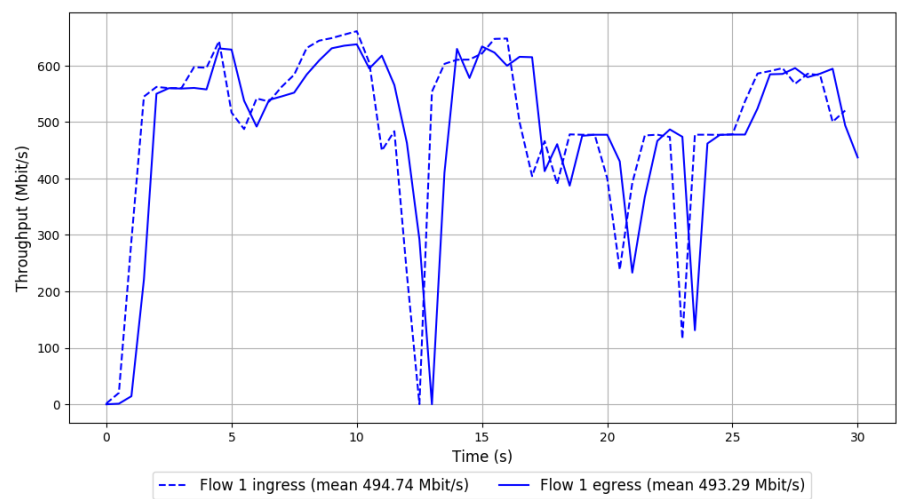
-- Flow 1:

Average throughput: 493.29 Mbit/s

95th percentile per-packet one-way delay: 144.251 ms

Loss rate: 0.71%

Run 1: Report of TCP BBR — Data Link

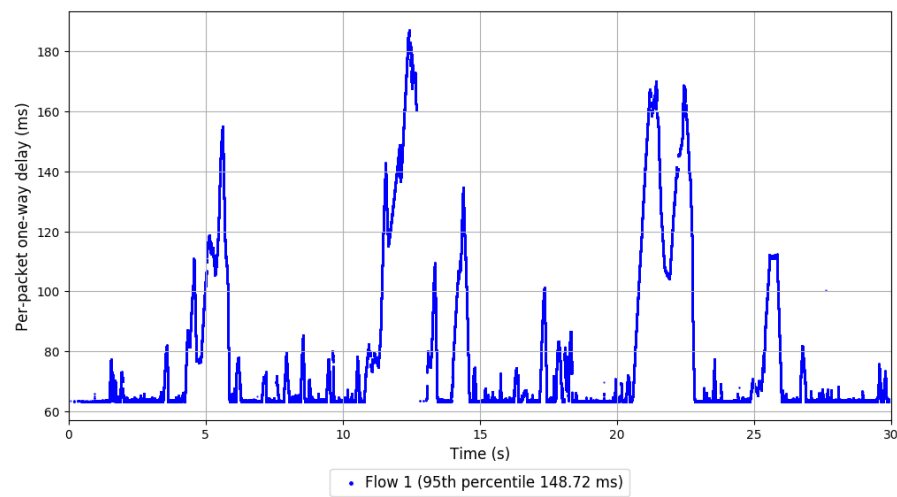
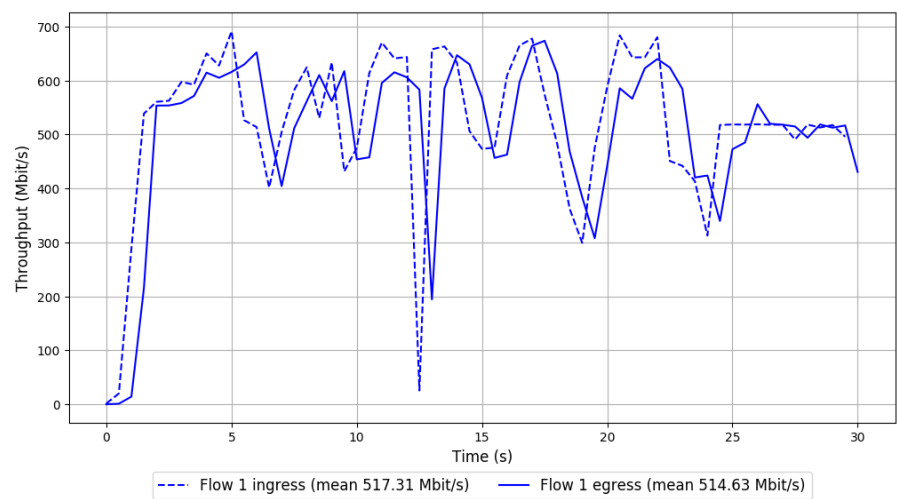


Run 2: Statistics of TCP BBR

Start at: 2019-03-19 04:46:55
End at: 2019-03-19 04:47:25
Local clock offset: -0.059 ms
Remote clock offset: -0.166 ms

Below is generated by plot.py at 2019-03-19 07:10:43
Datalink statistics
-- Total of 1 flow:
Average throughput: 514.63 Mbit/s
95th percentile per-packet one-way delay: 148.720 ms
Loss rate: 0.94%
-- Flow 1:
Average throughput: 514.63 Mbit/s
95th percentile per-packet one-way delay: 148.720 ms
Loss rate: 0.94%

Run 2: Report of TCP BBR — Data Link

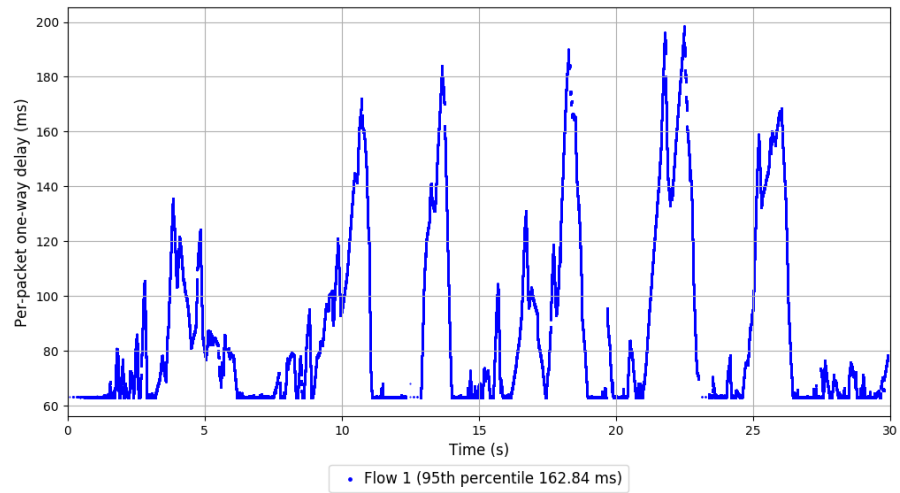
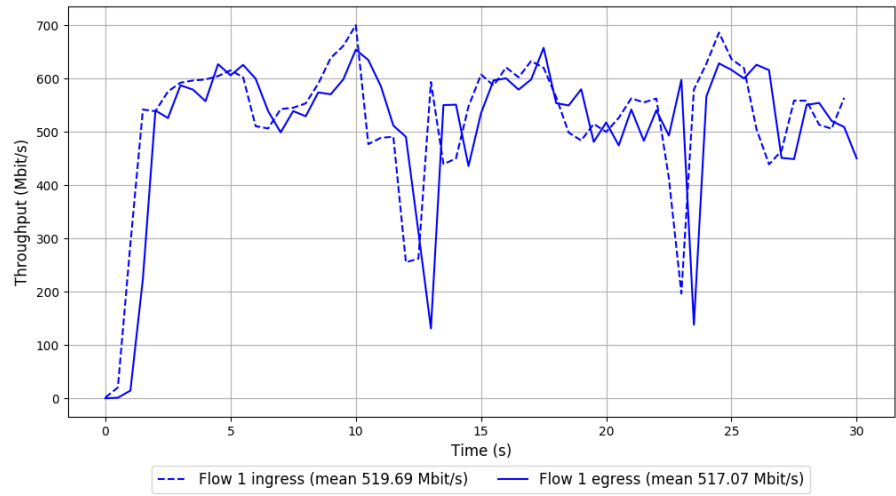


Run 3: Statistics of TCP BBR

Start at: 2019-03-19 05:17:57
End at: 2019-03-19 05:18:27
Local clock offset: -0.036 ms
Remote clock offset: -0.153 ms

Below is generated by plot.py at 2019-03-19 07:10:46
Datalink statistics
-- Total of 1 flow:
Average throughput: 517.07 Mbit/s
95th percentile per-packet one-way delay: 162.840 ms
Loss rate: 0.93%
-- Flow 1:
Average throughput: 517.07 Mbit/s
95th percentile per-packet one-way delay: 162.840 ms
Loss rate: 0.93%

Run 3: Report of TCP BBR — Data Link

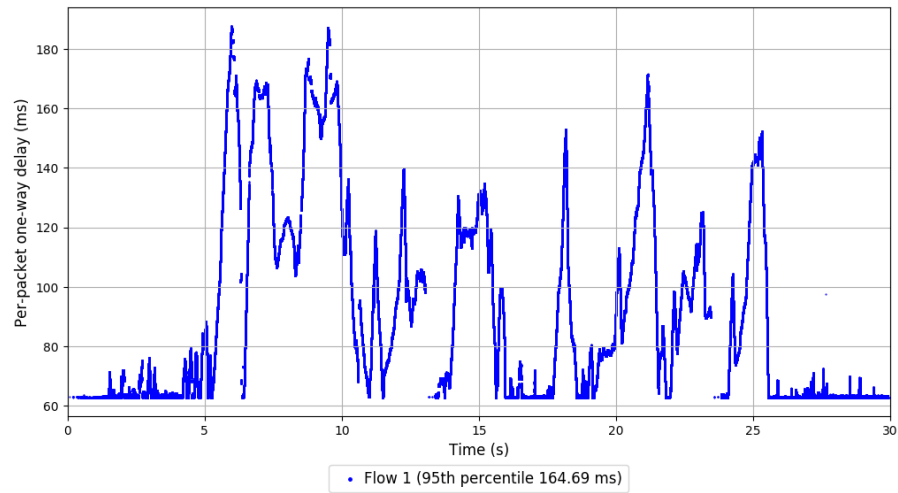
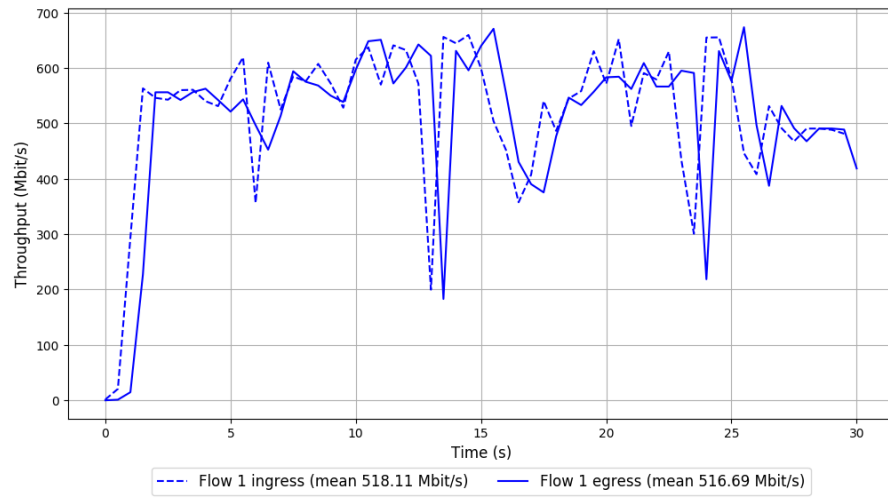


Run 4: Statistics of TCP BBR

Start at: 2019-03-19 05:48:49
End at: 2019-03-19 05:49:19
Local clock offset: -0.024 ms
Remote clock offset: -0.115 ms

Below is generated by plot.py at 2019-03-19 07:10:46
Datalink statistics
-- Total of 1 flow:
Average throughput: 516.69 Mbit/s
95th percentile per-packet one-way delay: 164.691 ms
Loss rate: 0.69%
-- Flow 1:
Average throughput: 516.69 Mbit/s
95th percentile per-packet one-way delay: 164.691 ms
Loss rate: 0.69%

Run 4: Report of TCP BBR — Data Link

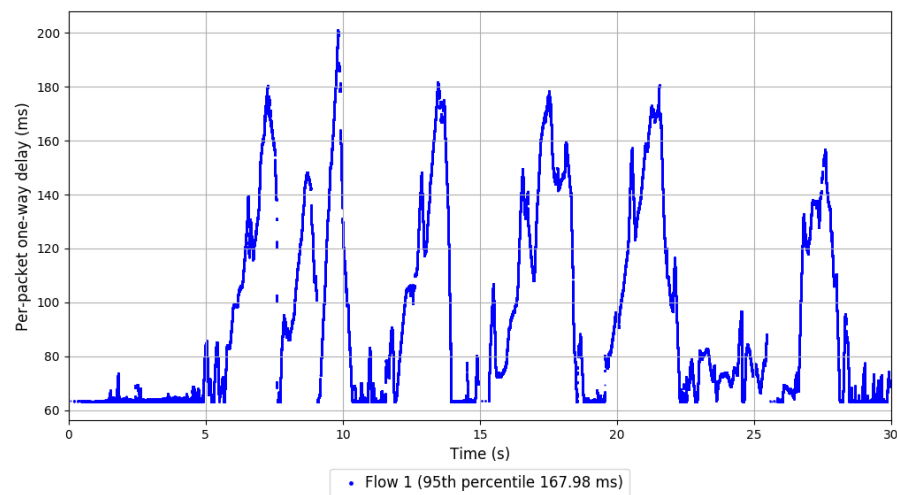
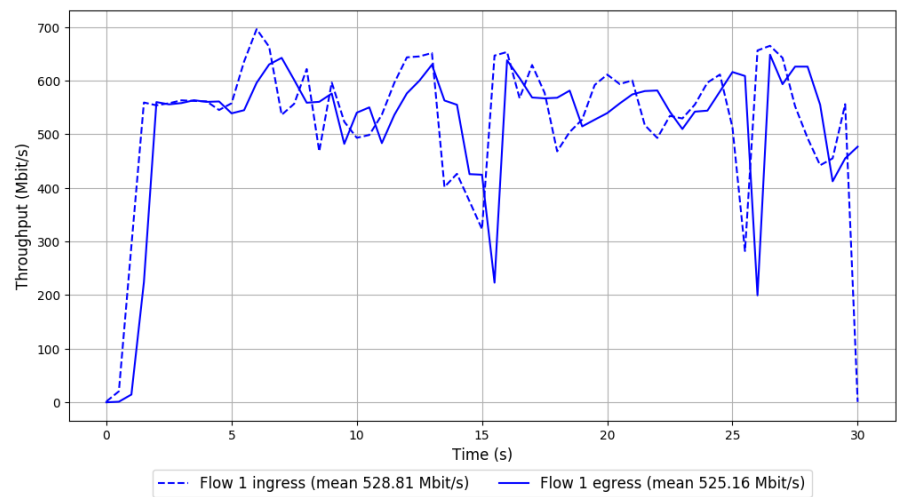


Run 5: Statistics of TCP BBR

Start at: 2019-03-19 06:19:58
End at: 2019-03-19 06:20:28
Local clock offset: -0.033 ms
Remote clock offset: -0.101 ms

Below is generated by plot.py at 2019-03-19 07:10:54
Datalink statistics
-- Total of 1 flow:
Average throughput: 525.16 Mbit/s
95th percentile per-packet one-way delay: 167.983 ms
Loss rate: 1.11%
-- Flow 1:
Average throughput: 525.16 Mbit/s
95th percentile per-packet one-way delay: 167.983 ms
Loss rate: 1.11%

Run 5: Report of TCP BBR — Data Link

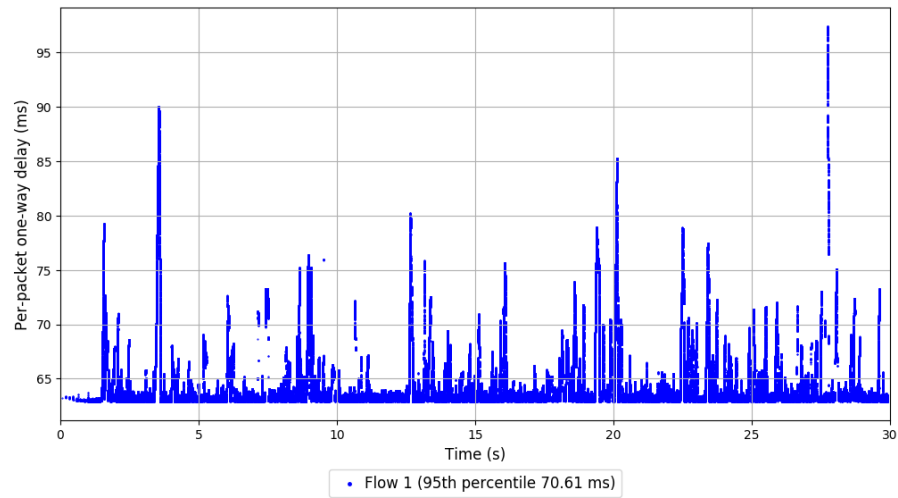
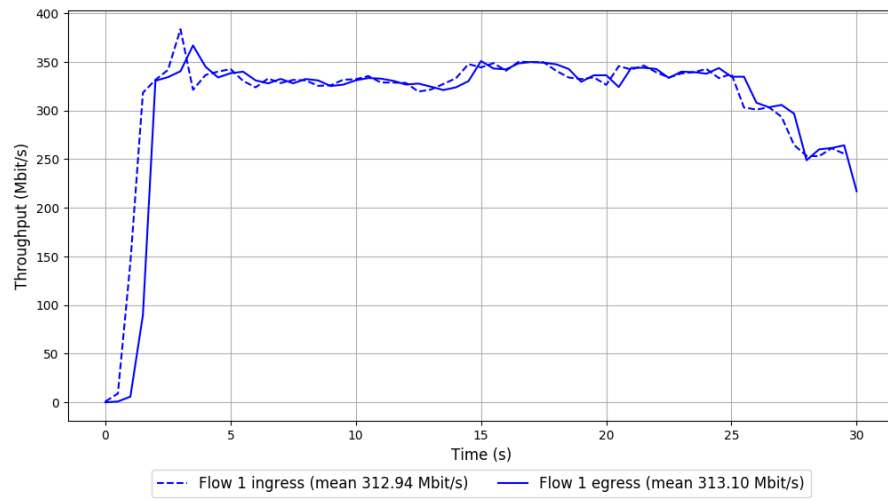


Run 1: Statistics of Copa

Start at: 2019-03-19 04:34:20
End at: 2019-03-19 04:34:50
Local clock offset: -0.065 ms
Remote clock offset: -0.116 ms

Below is generated by plot.py at 2019-03-19 07:11:32
Datalink statistics
-- Total of 1 flow:
Average throughput: 313.10 Mbit/s
95th percentile per-packet one-way delay: 70.613 ms
Loss rate: 0.37%
-- Flow 1:
Average throughput: 313.10 Mbit/s
95th percentile per-packet one-way delay: 70.613 ms
Loss rate: 0.37%

Run 1: Report of Copa — Data Link

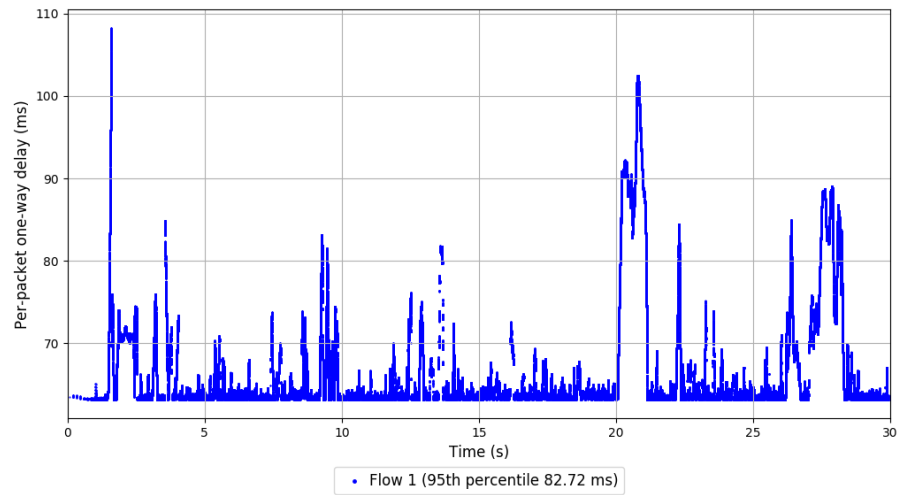
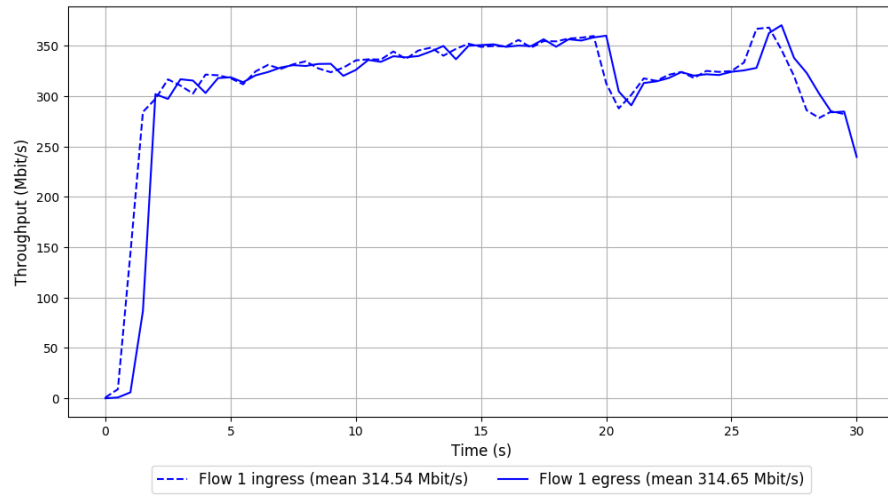


Run 2: Statistics of Copa

Start at: 2019-03-19 05:05:23
End at: 2019-03-19 05:05:53
Local clock offset: -0.023 ms
Remote clock offset: -0.231 ms

Below is generated by plot.py at 2019-03-19 07:11:40
Datalink statistics
-- Total of 1 flow:
Average throughput: 314.65 Mbit/s
95th percentile per-packet one-way delay: 82.719 ms
Loss rate: 0.38%
-- Flow 1:
Average throughput: 314.65 Mbit/s
95th percentile per-packet one-way delay: 82.719 ms
Loss rate: 0.38%

Run 2: Report of Copa — Data Link

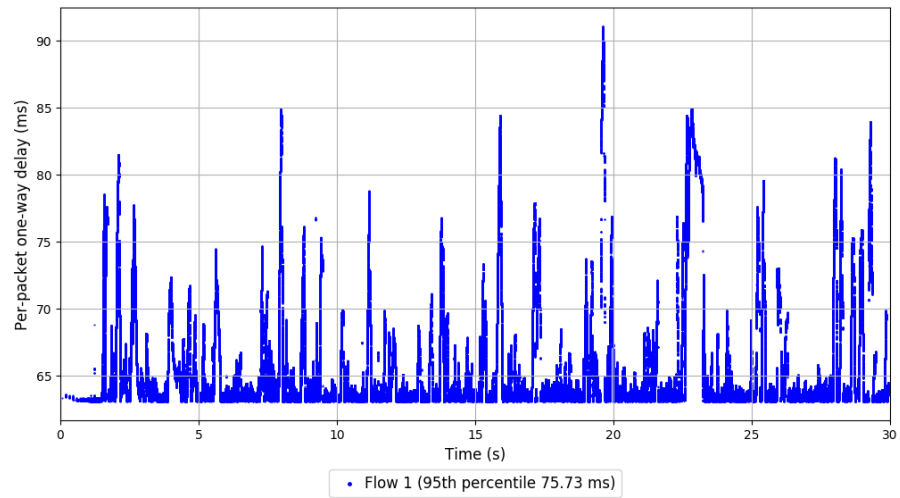
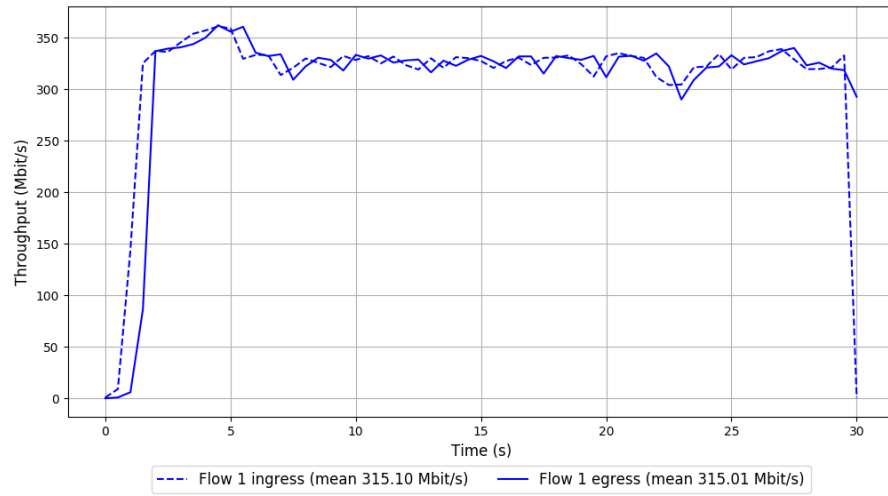


Run 3: Statistics of Copa

Start at: 2019-03-19 05:36:20
End at: 2019-03-19 05:36:50
Local clock offset: -0.011 ms
Remote clock offset: -0.257 ms

Below is generated by plot.py at 2019-03-19 07:11:40
Datalink statistics
-- Total of 1 flow:
Average throughput: 315.01 Mbit/s
95th percentile per-packet one-way delay: 75.728 ms
Loss rate: 0.45%
-- Flow 1:
Average throughput: 315.01 Mbit/s
95th percentile per-packet one-way delay: 75.728 ms
Loss rate: 0.45%

Run 3: Report of Copa — Data Link

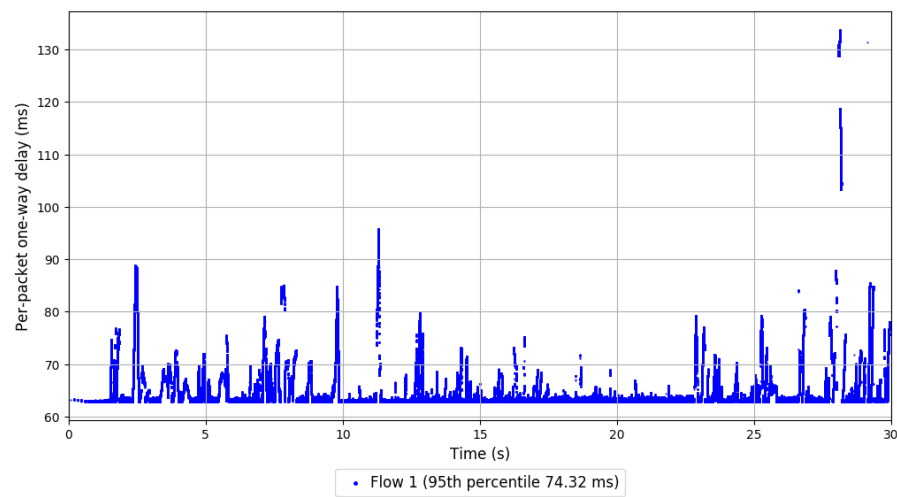
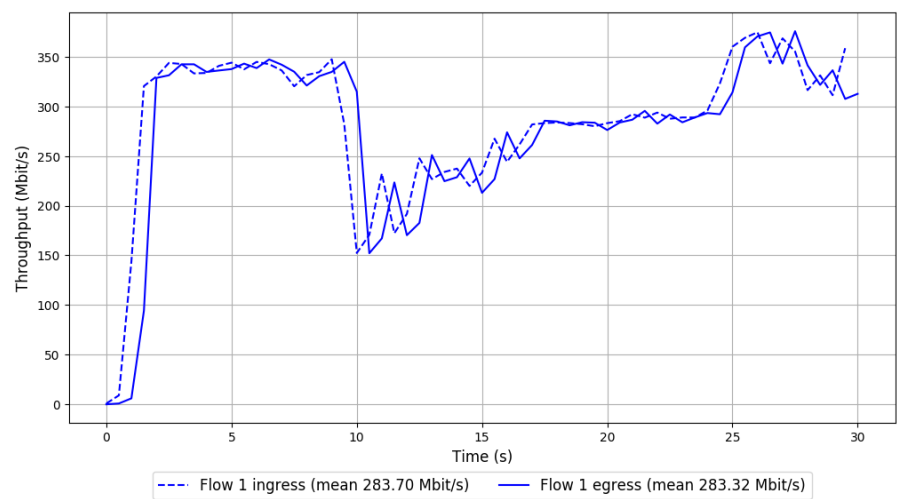


Run 4: Statistics of Copa

Start at: 2019-03-19 06:07:29
End at: 2019-03-19 06:07:59
Local clock offset: -0.043 ms
Remote clock offset: -0.262 ms

Below is generated by plot.py at 2019-03-19 07:19:21
Datalink statistics
-- Total of 1 flow:
Average throughput: 283.32 Mbit/s
95th percentile per-packet one-way delay: 74.322 ms
Loss rate: 0.55%
-- Flow 1:
Average throughput: 283.32 Mbit/s
95th percentile per-packet one-way delay: 74.322 ms
Loss rate: 0.55%

Run 4: Report of Copa — Data Link



Run 5: Statistics of Copa

Start at: 2019-03-19 06:38:32

End at: 2019-03-19 06:39:02

Local clock offset: -0.115 ms

Remote clock offset: -0.06 ms

Below is generated by plot.py at 2019-03-19 07:20:25

Datalink statistics

-- Total of 1 flow:

Average throughput: 315.26 Mbit/s

95th percentile per-packet one-way delay: 85.630 ms

Loss rate: 0.47%

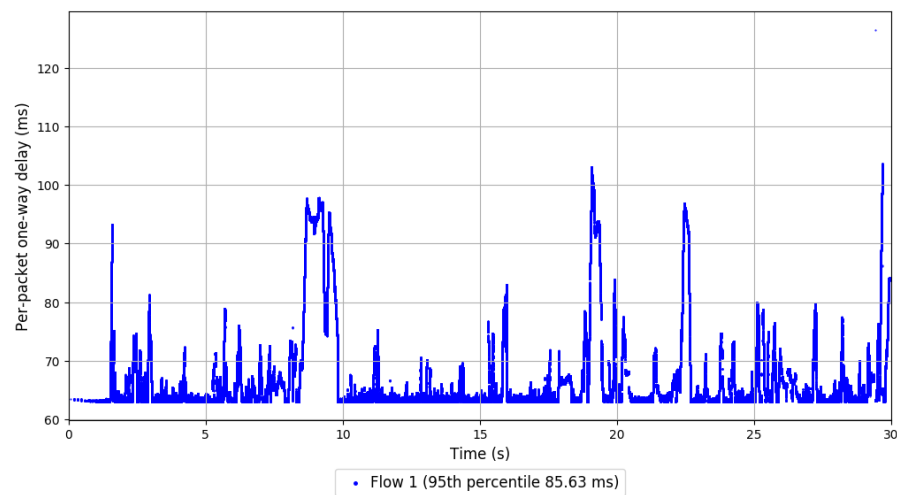
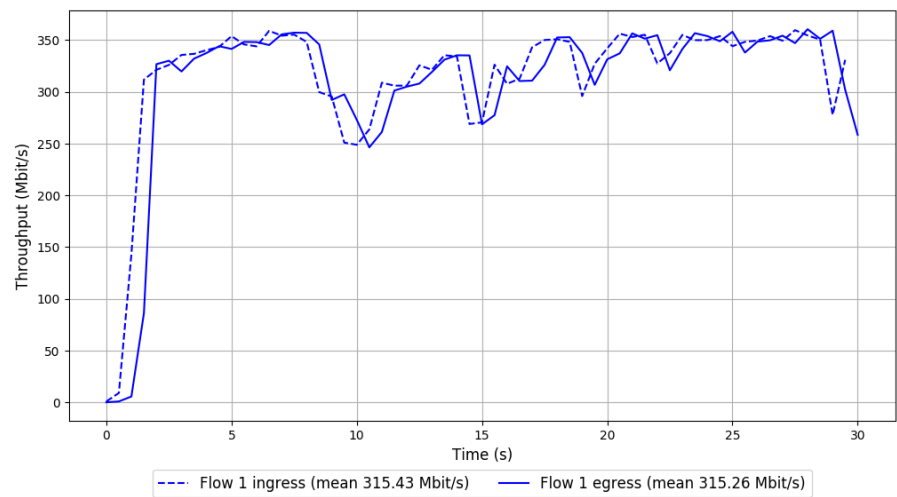
-- Flow 1:

Average throughput: 315.26 Mbit/s

95th percentile per-packet one-way delay: 85.630 ms

Loss rate: 0.47%

Run 5: Report of Copa — Data Link



Run 1: Statistics of TCP Cubic

Start at: 2019-03-19 04:27:49

End at: 2019-03-19 04:28:19

Local clock offset: -0.057 ms

Remote clock offset: 0.11 ms

Below is generated by plot.py at 2019-03-19 07:20:25

Datalink statistics

-- Total of 1 flow:

Average throughput: 459.76 Mbit/s

95th percentile per-packet one-way delay: 69.843 ms

Loss rate: 0.31%

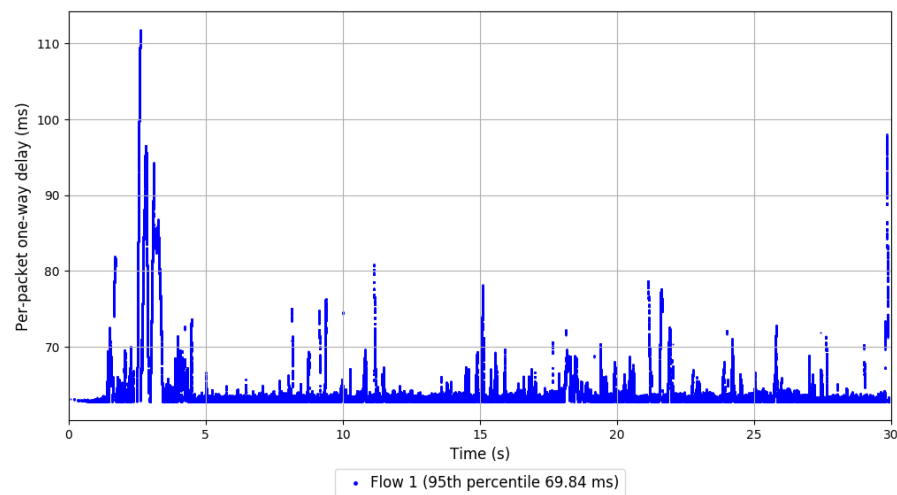
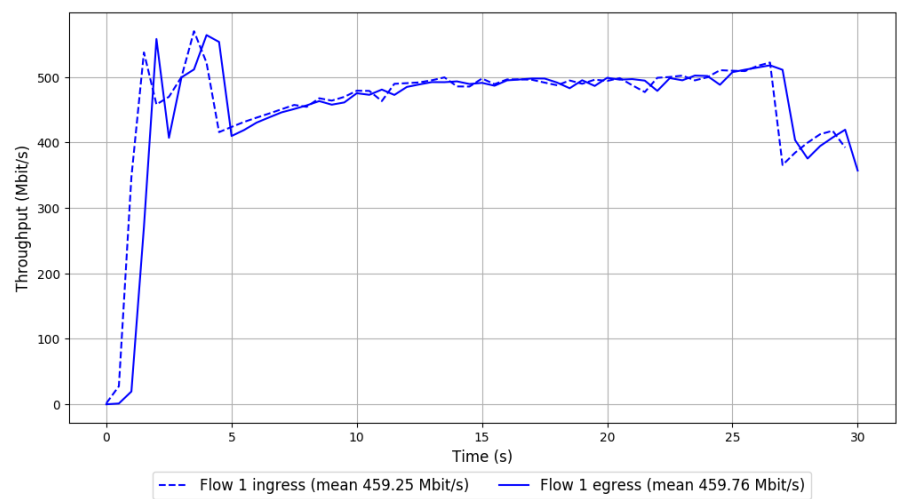
-- Flow 1:

Average throughput: 459.76 Mbit/s

95th percentile per-packet one-way delay: 69.843 ms

Loss rate: 0.31%

Run 1: Report of TCP Cubic — Data Link



Run 2: Statistics of TCP Cubic

Start at: 2019-03-19 04:58:50

End at: 2019-03-19 04:59:20

Local clock offset: -0.033 ms

Remote clock offset: 0.136 ms

Below is generated by plot.py at 2019-03-19 07:20:25

Datalink statistics

-- Total of 1 flow:

Average throughput: 552.82 Mbit/s

95th percentile per-packet one-way delay: 87.130 ms

Loss rate: 0.50%

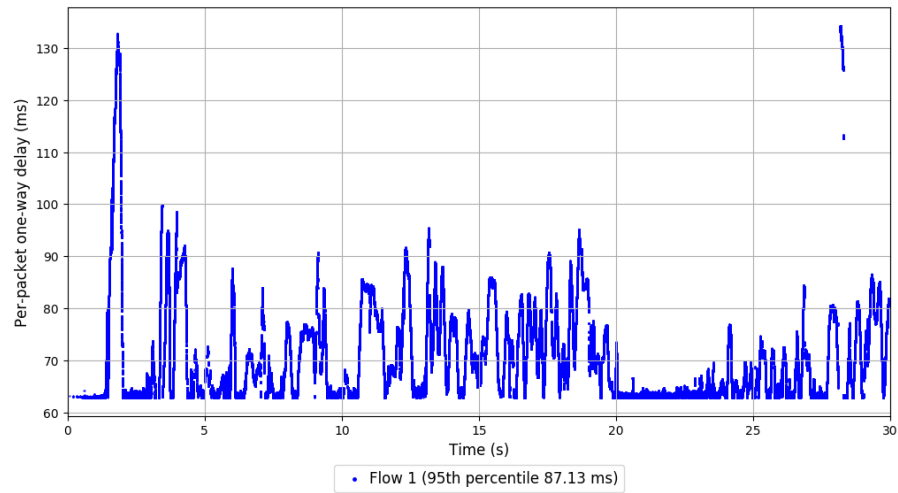
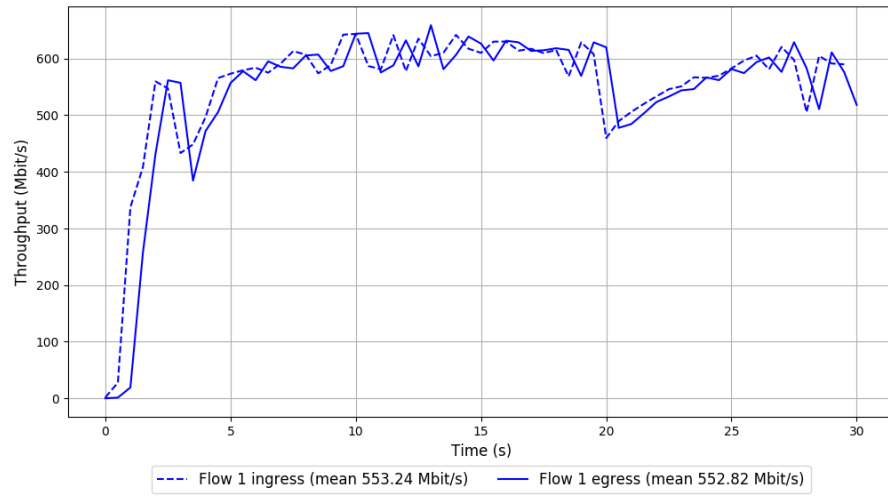
-- Flow 1:

Average throughput: 552.82 Mbit/s

95th percentile per-packet one-way delay: 87.130 ms

Loss rate: 0.50%

Run 2: Report of TCP Cubic — Data Link

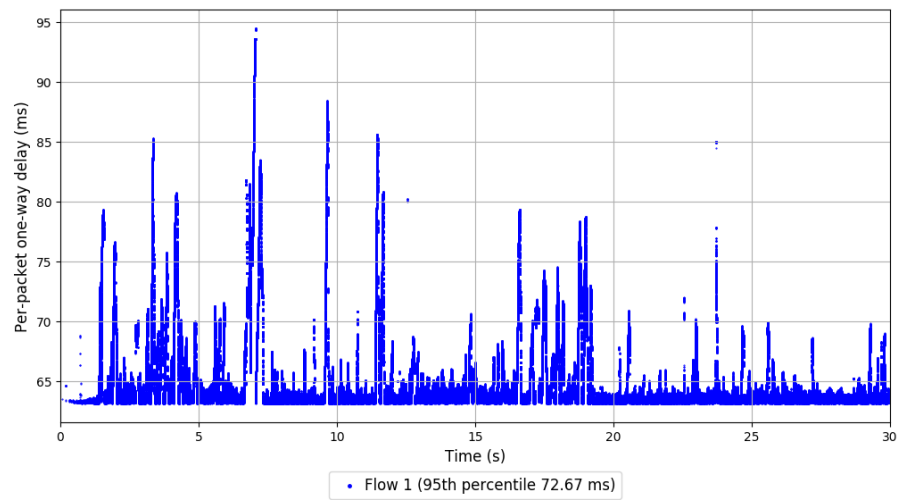
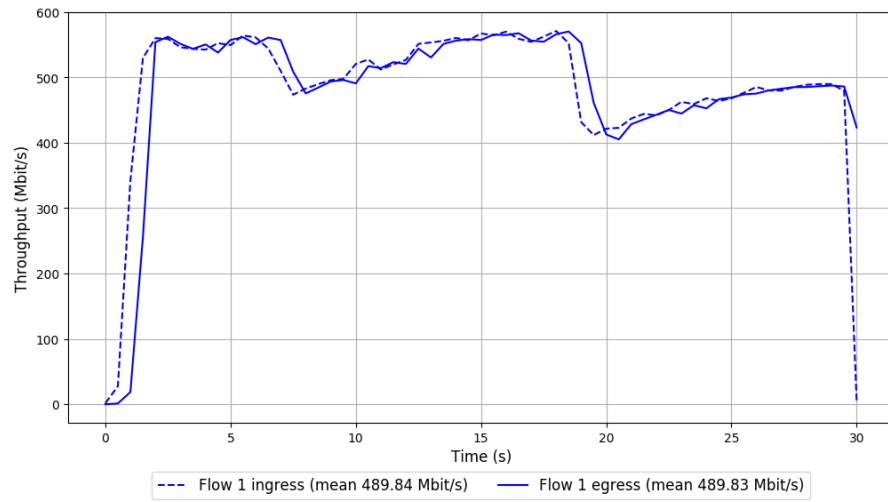


Run 3: Statistics of TCP Cubic

Start at: 2019-03-19 05:29:53
End at: 2019-03-19 05:30:23
Local clock offset: -0.005 ms
Remote clock offset: -0.132 ms

Below is generated by plot.py at 2019-03-19 07:20:25
Datalink statistics
-- Total of 1 flow:
Average throughput: 489.83 Mbit/s
95th percentile per-packet one-way delay: 72.671 ms
Loss rate: 0.42%
-- Flow 1:
Average throughput: 489.83 Mbit/s
95th percentile per-packet one-way delay: 72.671 ms
Loss rate: 0.42%

Run 3: Report of TCP Cubic — Data Link

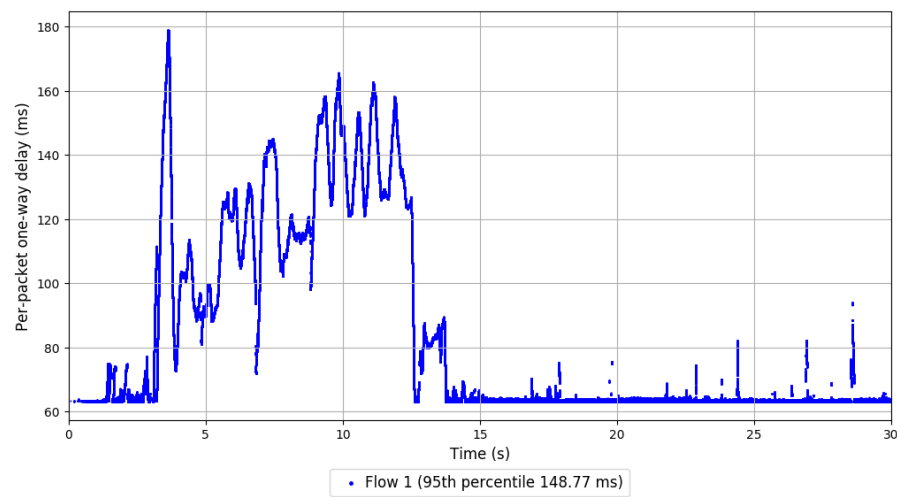
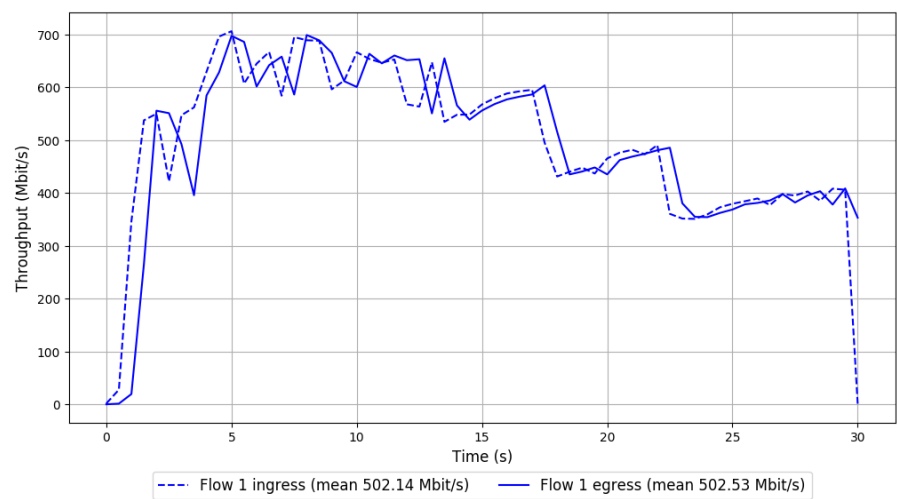


Run 4: Statistics of TCP Cubic

Start at: 2019-03-19 06:01:00
End at: 2019-03-19 06:01:30
Local clock offset: -0.014 ms
Remote clock offset: -0.046 ms

Below is generated by plot.py at 2019-03-19 07:20:25
Datalink statistics
-- Total of 1 flow:
Average throughput: 502.53 Mbit/s
95th percentile per-packet one-way delay: 148.767 ms
Loss rate: 0.35%
-- Flow 1:
Average throughput: 502.53 Mbit/s
95th percentile per-packet one-way delay: 148.767 ms
Loss rate: 0.35%

Run 4: Report of TCP Cubic — Data Link

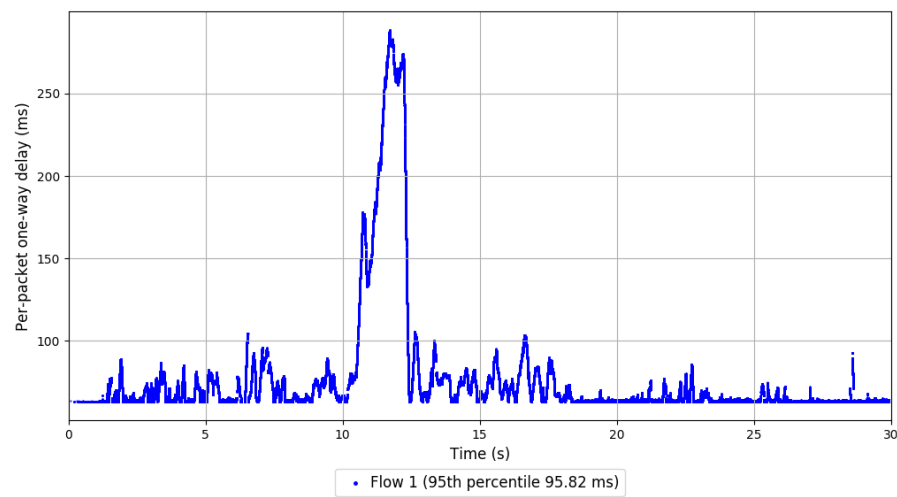
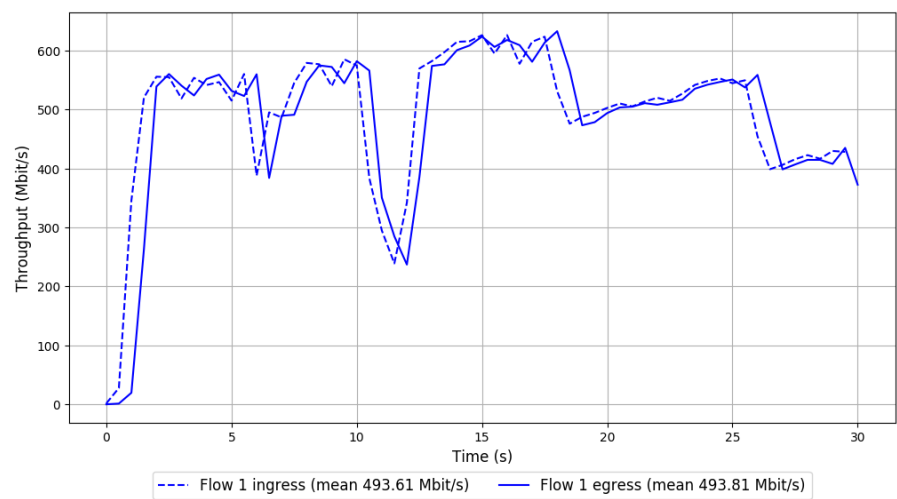


Run 5: Statistics of TCP Cubic

Start at: 2019-03-19 06:31:59
End at: 2019-03-19 06:32:29
Local clock offset: -0.079 ms
Remote clock offset: -0.183 ms

Below is generated by plot.py at 2019-03-19 07:20:25
Datalink statistics
-- Total of 1 flow:
Average throughput: 493.81 Mbit/s
95th percentile per-packet one-way delay: 95.819 ms
Loss rate: 0.38%
-- Flow 1:
Average throughput: 493.81 Mbit/s
95th percentile per-packet one-way delay: 95.819 ms
Loss rate: 0.38%

Run 5: Report of TCP Cubic — Data Link



Run 1: Statistics of FillP

Start at: 2019-03-19 04:19:20

End at: 2019-03-19 04:19:50

Local clock offset: -0.057 ms

Remote clock offset: 0.321 ms

Below is generated by plot.py at 2019-03-19 07:27:53

Datalink statistics

-- Total of 1 flow:

Average throughput: 878.56 Mbit/s

95th percentile per-packet one-way delay: 106.888 ms

Loss rate: 0.52%

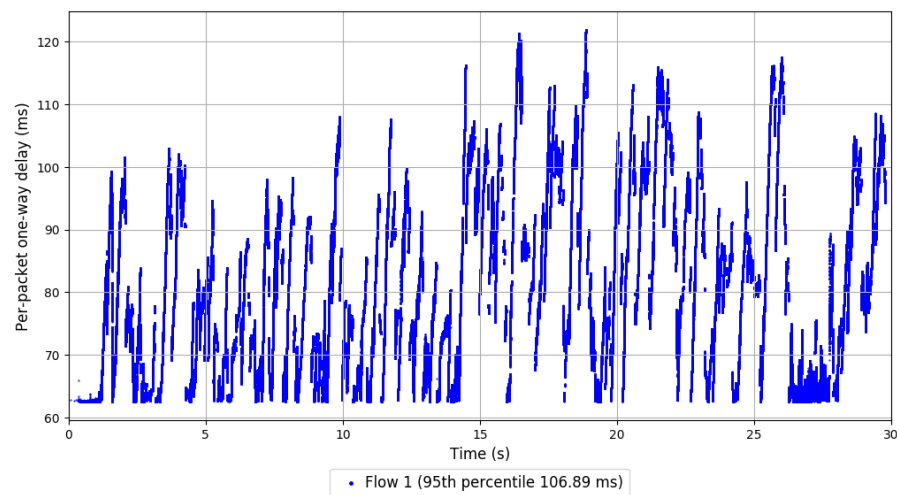
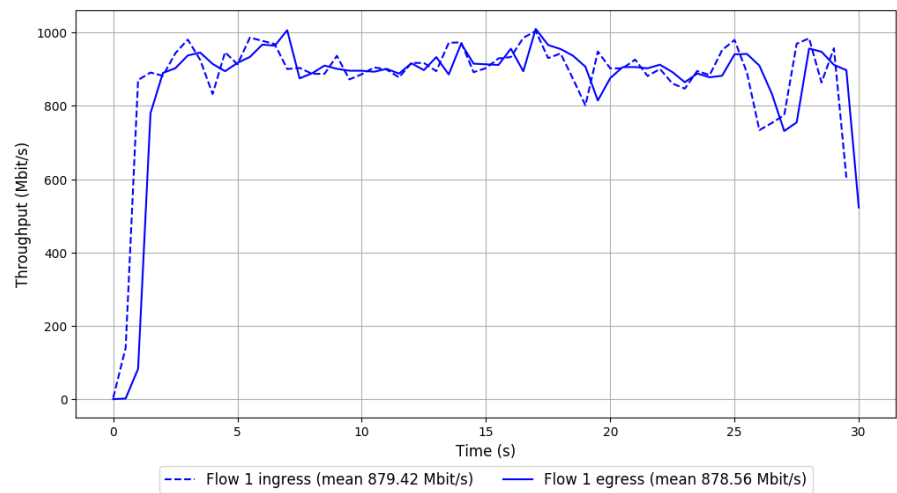
-- Flow 1:

Average throughput: 878.56 Mbit/s

95th percentile per-packet one-way delay: 106.888 ms

Loss rate: 0.52%

Run 1: Report of FillP — Data Link

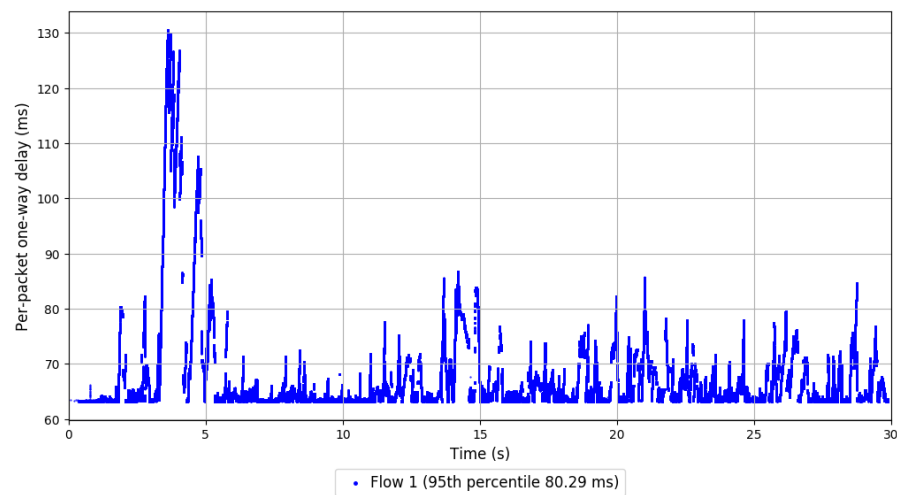
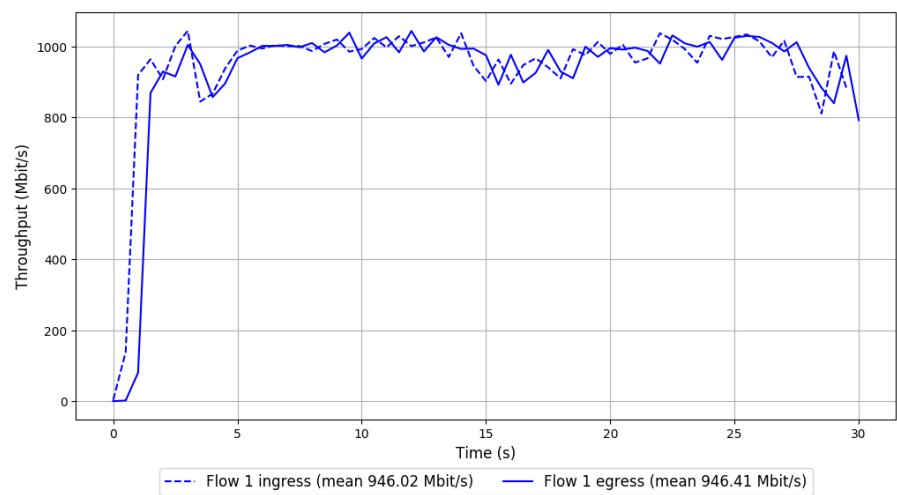


Run 2: Statistics of FillP

Start at: 2019-03-19 04:50:05
End at: 2019-03-19 04:50:35
Local clock offset: -0.031 ms
Remote clock offset: -0.308 ms

Below is generated by plot.py at 2019-03-19 07:37:59
Datalink statistics
-- Total of 1 flow:
Average throughput: 946.41 Mbit/s
95th percentile per-packet one-way delay: 80.292 ms
Loss rate: 0.42%
-- Flow 1:
Average throughput: 946.41 Mbit/s
95th percentile per-packet one-way delay: 80.292 ms
Loss rate: 0.42%

Run 2: Report of FillP — Data Link

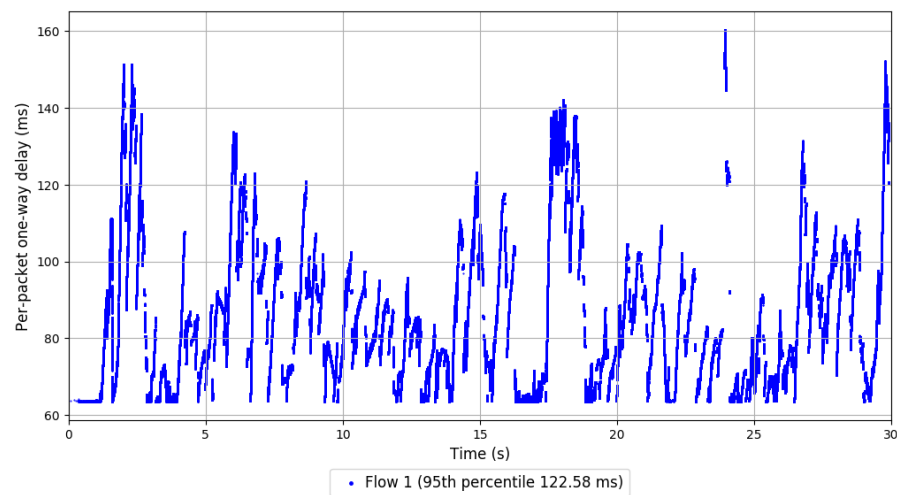
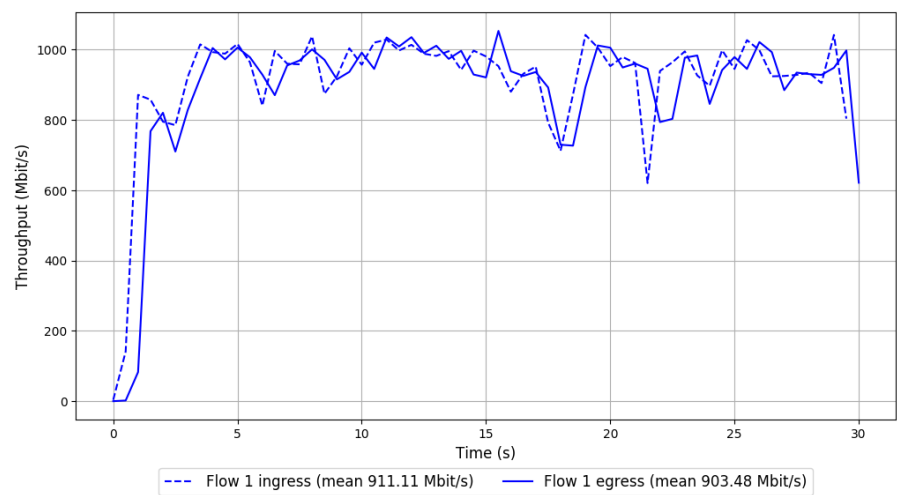


Run 3: Statistics of FillP

Start at: 2019-03-19 05:21:07
End at: 2019-03-19 05:21:37
Local clock offset: -0.032 ms
Remote clock offset: -0.516 ms

Below is generated by plot.py at 2019-03-19 07:37:59
Datalink statistics
-- Total of 1 flow:
Average throughput: 903.48 Mbit/s
95th percentile per-packet one-way delay: 122.583 ms
Loss rate: 1.26%
-- Flow 1:
Average throughput: 903.48 Mbit/s
95th percentile per-packet one-way delay: 122.583 ms
Loss rate: 1.26%

Run 3: Report of FillP — Data Link



Run 4: Statistics of FillP

Start at: 2019-03-19 05:51:59

End at: 2019-03-19 05:52:29

Local clock offset: -0.031 ms

Remote clock offset: 0.01 ms

Below is generated by plot.py at 2019-03-19 07:37:59

Datalink statistics

-- Total of 1 flow:

Average throughput: 912.12 Mbit/s

95th percentile per-packet one-way delay: 100.842 ms

Loss rate: 0.54%

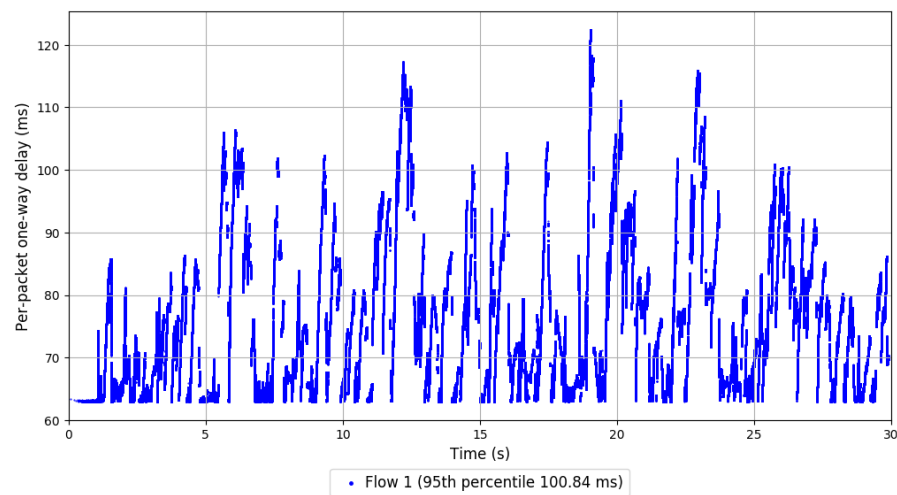
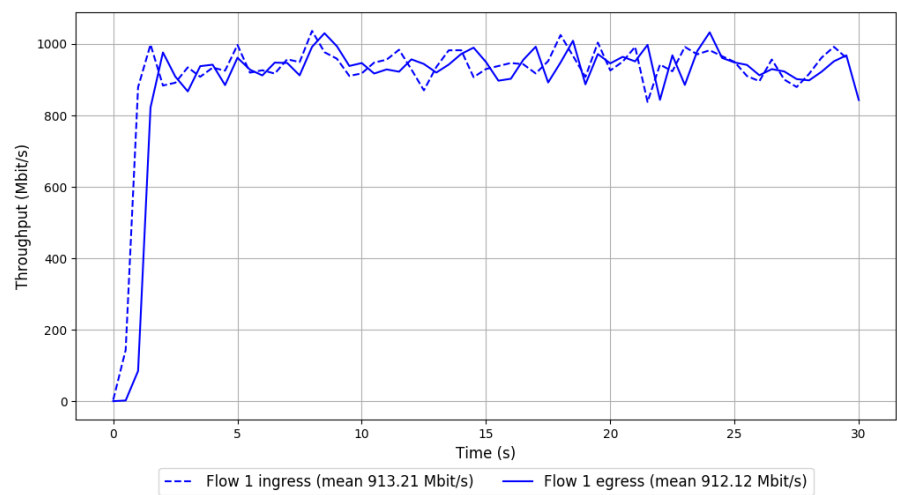
-- Flow 1:

Average throughput: 912.12 Mbit/s

95th percentile per-packet one-way delay: 100.842 ms

Loss rate: 0.54%

Run 4: Report of FillP — Data Link

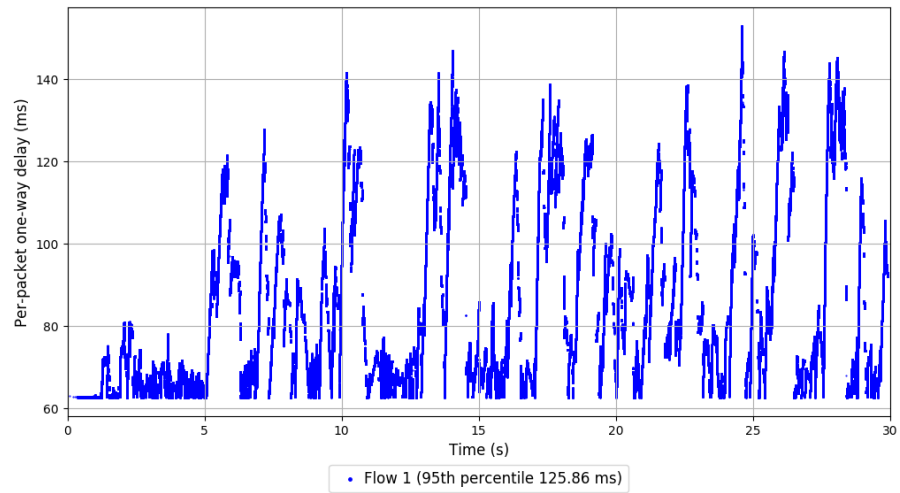
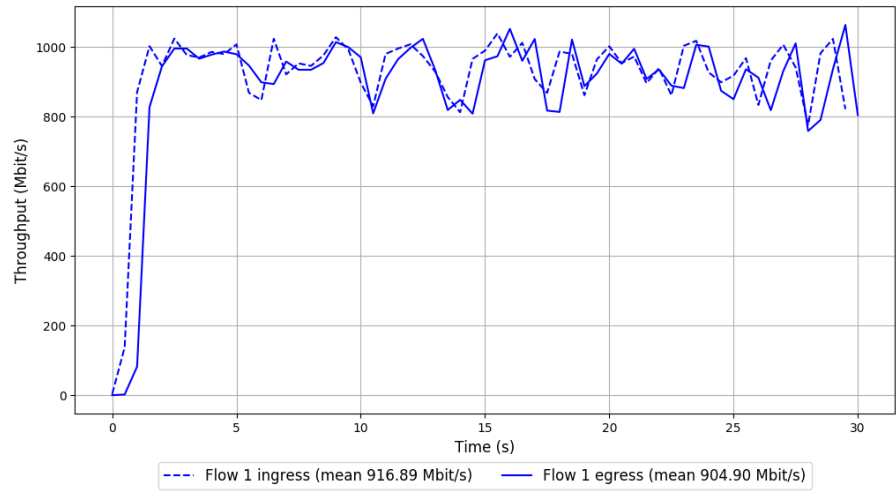


Run 5: Statistics of FillP

Start at: 2019-03-19 06:23:13
End at: 2019-03-19 06:23:43
Local clock offset: -0.053 ms
Remote clock offset: -0.088 ms

Below is generated by plot.py at 2019-03-19 07:38:40
Datalink statistics
-- Total of 1 flow:
Average throughput: 904.90 Mbit/s
95th percentile per-packet one-way delay: 125.859 ms
Loss rate: 1.72%
-- Flow 1:
Average throughput: 904.90 Mbit/s
95th percentile per-packet one-way delay: 125.859 ms
Loss rate: 1.72%

Run 5: Report of FillP — Data Link

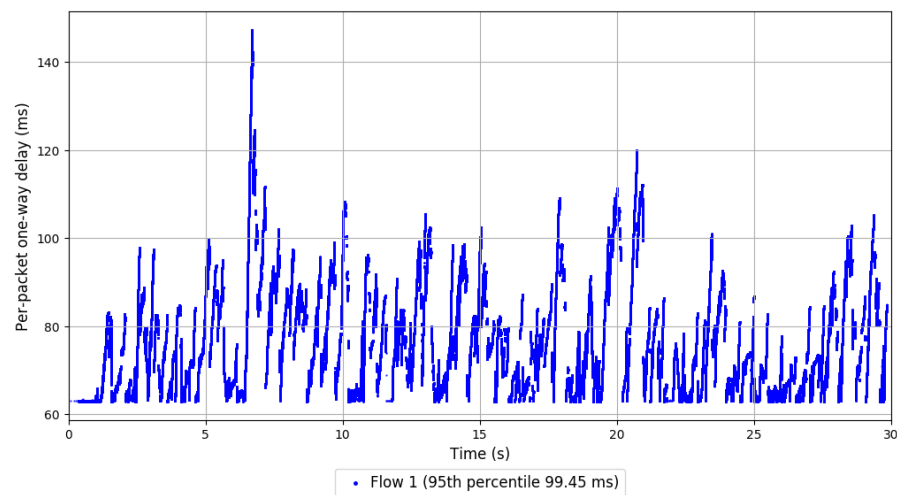
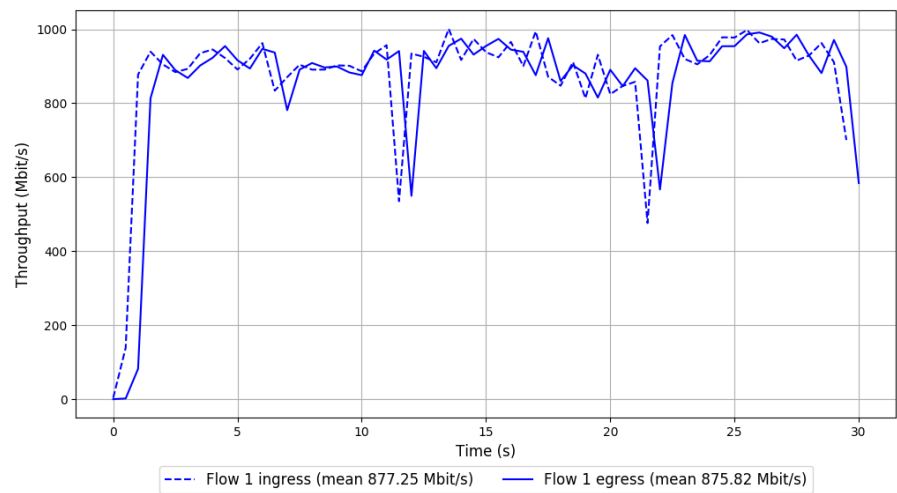


Run 1: Statistics of FillP-Sheep

Start at: 2019-03-19 04:31:00
End at: 2019-03-19 04:31:30
Local clock offset: -0.057 ms
Remote clock offset: -0.338 ms

Below is generated by plot.py at 2019-03-19 07:38:40
Datalink statistics
-- Total of 1 flow:
Average throughput: 875.82 Mbit/s
95th percentile per-packet one-way delay: 99.450 ms
Loss rate: 0.59%
-- Flow 1:
Average throughput: 875.82 Mbit/s
95th percentile per-packet one-way delay: 99.450 ms
Loss rate: 0.59%

Run 1: Report of FillP-Sheep — Data Link

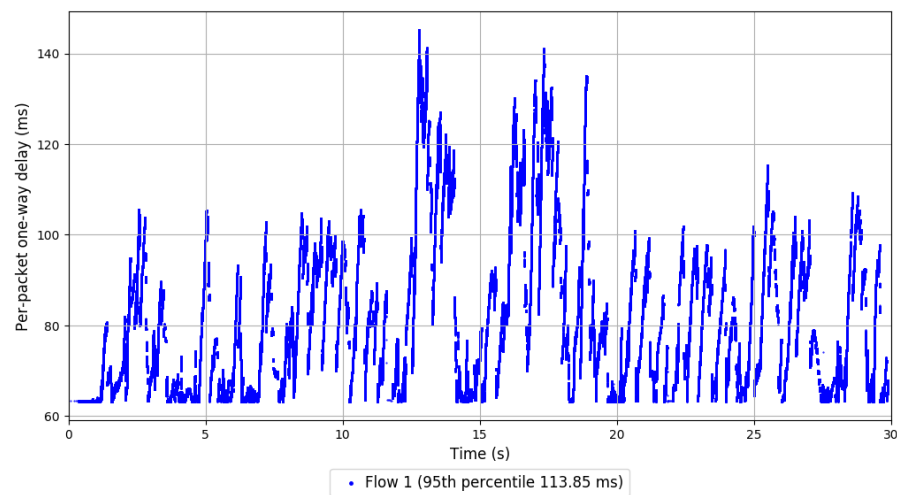
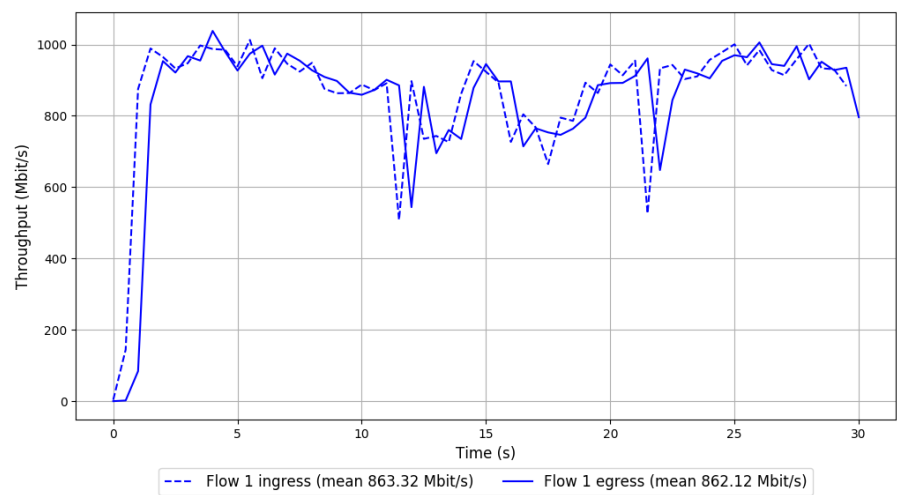


Run 2: Statistics of FillP-Sheep

Start at: 2019-03-19 05:02:04
End at: 2019-03-19 05:02:34
Local clock offset: -0.016 ms
Remote clock offset: -0.143 ms

Below is generated by plot.py at 2019-03-19 07:38:41
Datalink statistics
-- Total of 1 flow:
Average throughput: 862.12 Mbit/s
95th percentile per-packet one-way delay: 113.851 ms
Loss rate: 0.56%
-- Flow 1:
Average throughput: 862.12 Mbit/s
95th percentile per-packet one-way delay: 113.851 ms
Loss rate: 0.56%

Run 2: Report of FillP-Sheep — Data Link



Run 3: Statistics of FillP-Sheep

Start at: 2019-03-19 05:33:04

End at: 2019-03-19 05:33:34

Local clock offset: -0.016 ms

Remote clock offset: -0.175 ms

Below is generated by plot.py at 2019-03-19 07:38:41

Datalink statistics

-- Total of 1 flow:

Average throughput: 845.66 Mbit/s

95th percentile per-packet one-way delay: 110.271 ms

Loss rate: 0.77%

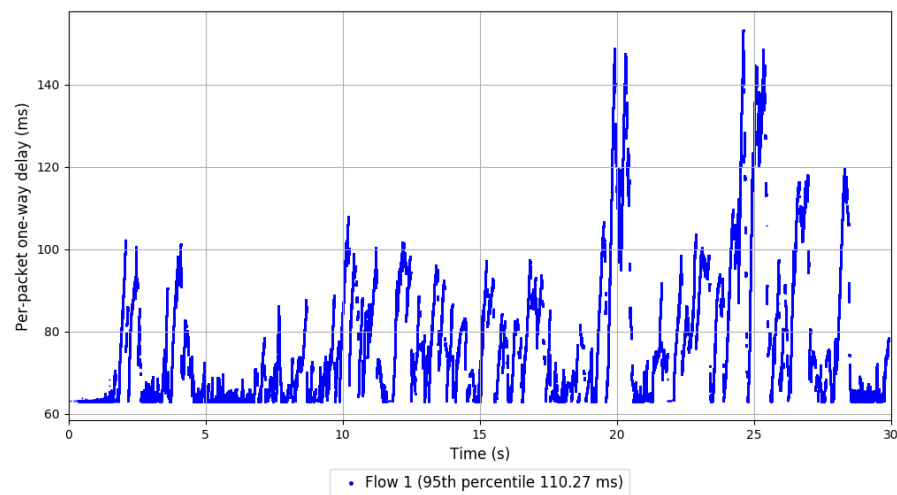
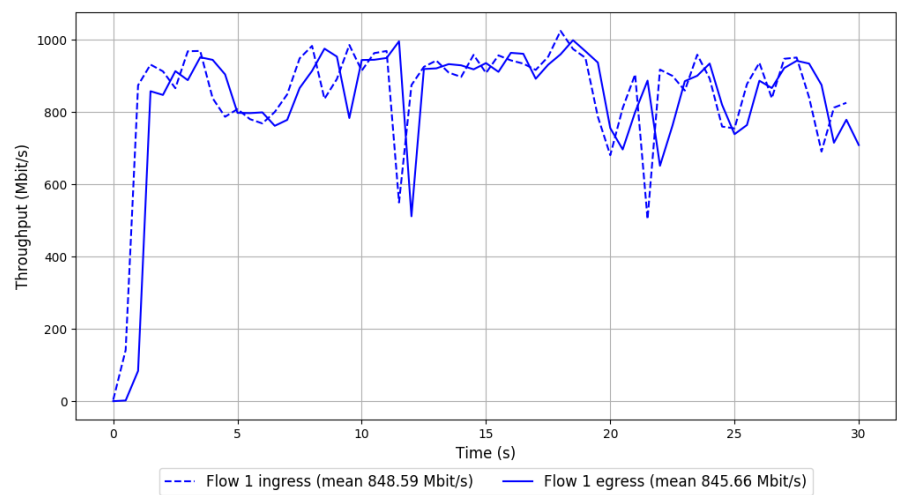
-- Flow 1:

Average throughput: 845.66 Mbit/s

95th percentile per-packet one-way delay: 110.271 ms

Loss rate: 0.77%

Run 3: Report of FillP-Sheep — Data Link



Run 4: Statistics of FillP-Sheep

Start at: 2019-03-19 06:04:11

End at: 2019-03-19 06:04:41

Local clock offset: -0.011 ms

Remote clock offset: -0.27 ms

Below is generated by plot.py at 2019-03-19 07:48:30

Datalink statistics

-- Total of 1 flow:

Average throughput: 859.51 Mbit/s

95th percentile per-packet one-way delay: 111.709 ms

Loss rate: 0.65%

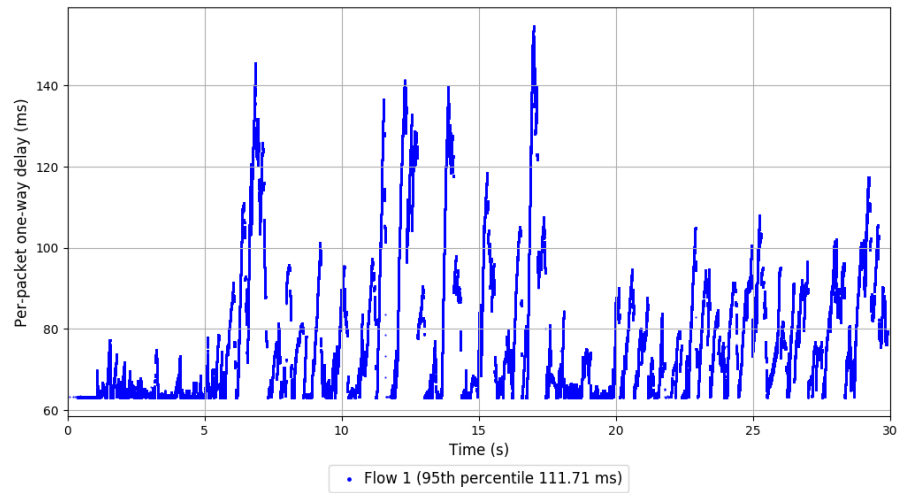
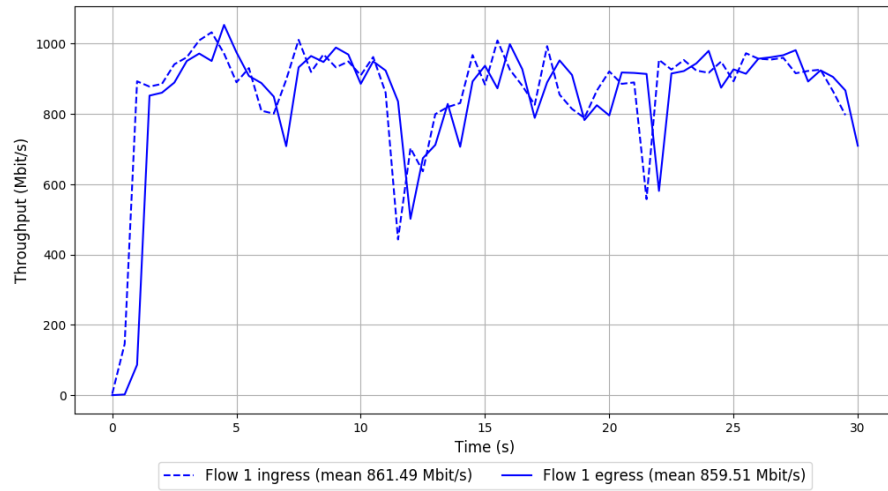
-- Flow 1:

Average throughput: 859.51 Mbit/s

95th percentile per-packet one-way delay: 111.709 ms

Loss rate: 0.65%

Run 4: Report of FillP-Sheep — Data Link

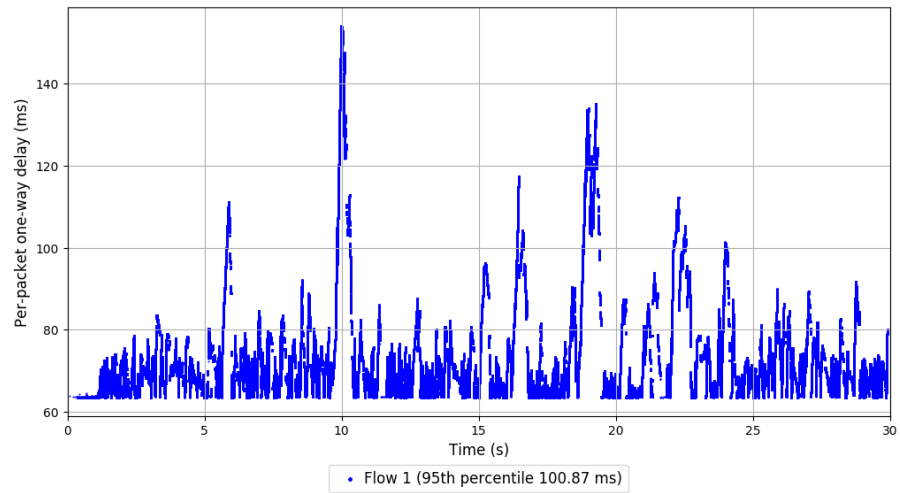
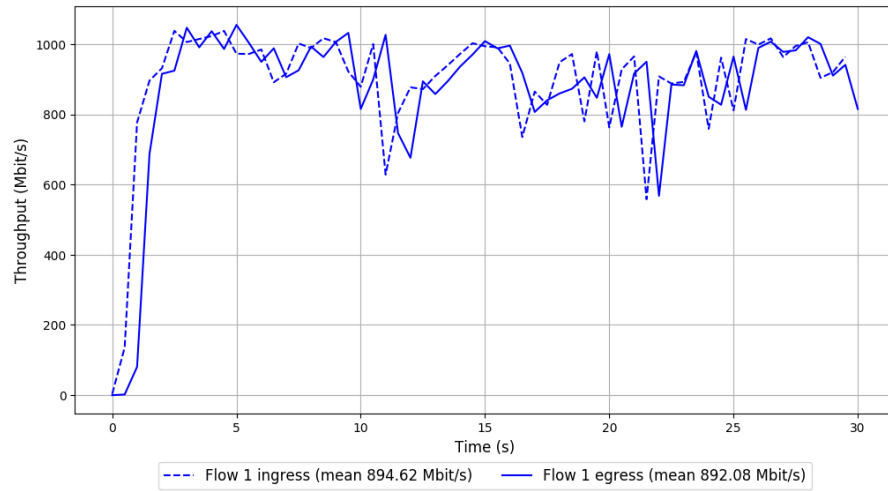


Run 5: Statistics of FillP-Sheep

Start at: 2019-03-19 06:35:11
End at: 2019-03-19 06:35:42
Local clock offset: -0.099 ms
Remote clock offset: -0.593 ms

Below is generated by plot.py at 2019-03-19 07:57:13
Datalink statistics
-- Total of 1 flow:
Average throughput: 892.08 Mbit/s
95th percentile per-packet one-way delay: 100.870 ms
Loss rate: 0.71%
-- Flow 1:
Average throughput: 892.08 Mbit/s
95th percentile per-packet one-way delay: 100.870 ms
Loss rate: 0.71%

Run 5: Report of FillP-Sheep — Data Link

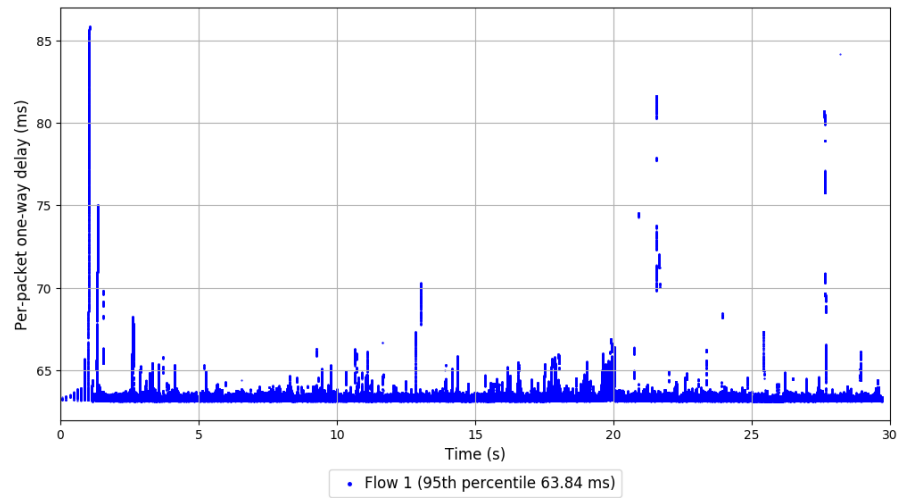
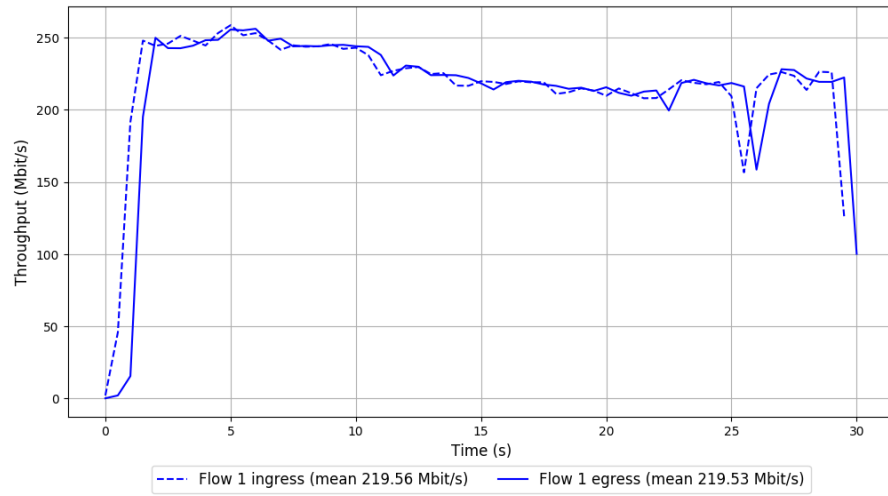


Run 1: Statistics of Indigo

Start at: 2019-03-19 04:37:04
End at: 2019-03-19 04:37:35
Local clock offset: -0.054 ms
Remote clock offset: -0.299 ms

Below is generated by plot.py at 2019-03-19 07:57:13
Datalink statistics
-- Total of 1 flow:
Average throughput: 219.53 Mbit/s
95th percentile per-packet one-way delay: 63.841 ms
Loss rate: 0.44%
-- Flow 1:
Average throughput: 219.53 Mbit/s
95th percentile per-packet one-way delay: 63.841 ms
Loss rate: 0.44%

Run 1: Report of Indigo — Data Link

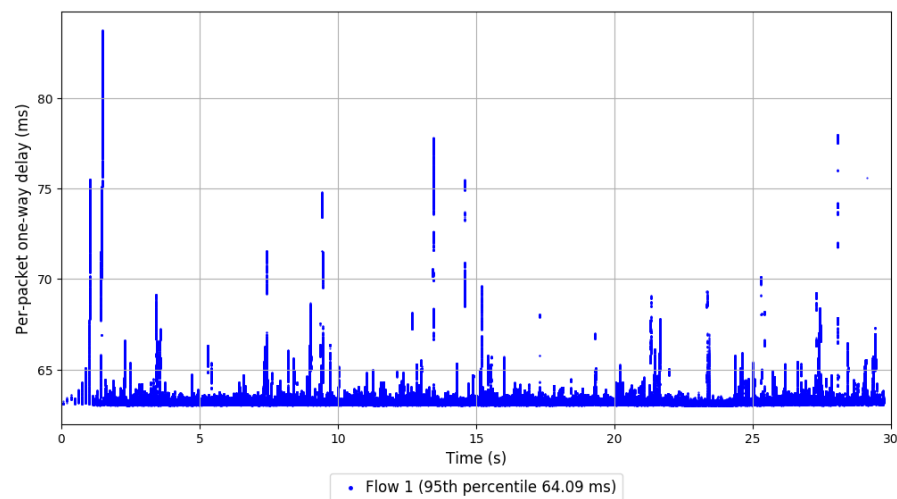
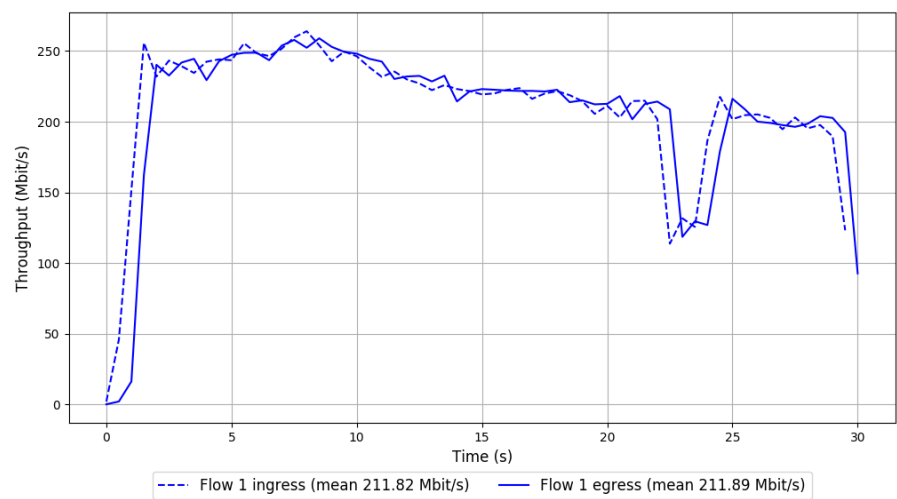


Run 2: Statistics of Indigo

Start at: 2019-03-19 05:08:13
End at: 2019-03-19 05:08:43
Local clock offset: -0.012 ms
Remote clock offset: -0.163 ms

Below is generated by plot.py at 2019-03-19 07:57:13
Datalink statistics
-- Total of 1 flow:
Average throughput: 211.89 Mbit/s
95th percentile per-packet one-way delay: 64.091 ms
Loss rate: 0.39%
-- Flow 1:
Average throughput: 211.89 Mbit/s
95th percentile per-packet one-way delay: 64.091 ms
Loss rate: 0.39%

Run 2: Report of Indigo — Data Link



Run 3: Statistics of Indigo

Start at: 2019-03-19 05:39:09

End at: 2019-03-19 05:39:39

Local clock offset: -0.046 ms

Remote clock offset: -0.78 ms

Below is generated by plot.py at 2019-03-19 07:57:13

Datalink statistics

-- Total of 1 flow:

Average throughput: 223.11 Mbit/s

95th percentile per-packet one-way delay: 64.960 ms

Loss rate: 0.47%

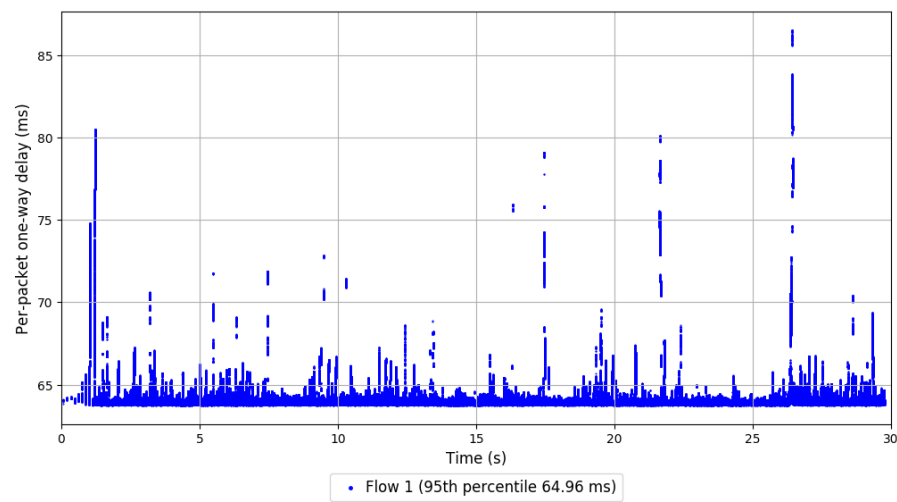
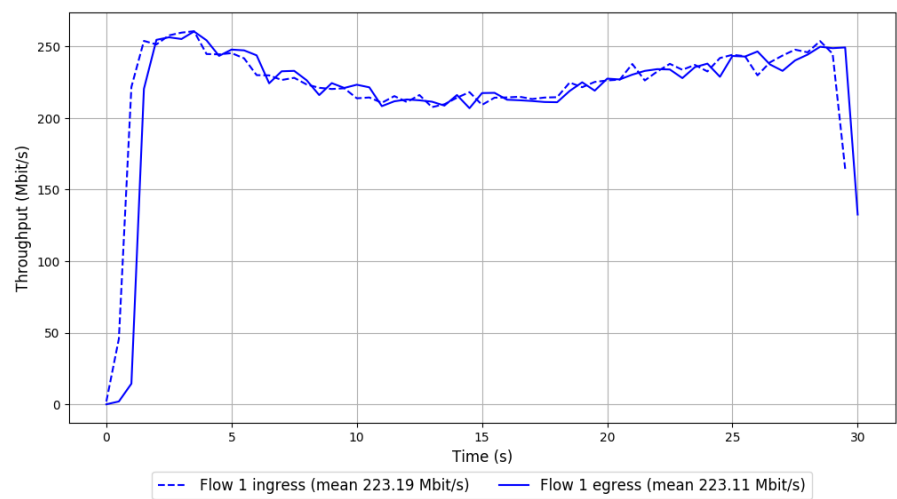
-- Flow 1:

Average throughput: 223.11 Mbit/s

95th percentile per-packet one-way delay: 64.960 ms

Loss rate: 0.47%

Run 3: Report of Indigo — Data Link



Run 4: Statistics of Indigo

Start at: 2019-03-19 06:10:15

End at: 2019-03-19 06:10:45

Local clock offset: -0.032 ms

Remote clock offset: -0.25 ms

Below is generated by plot.py at 2019-03-19 07:57:13

Datalink statistics

-- Total of 1 flow:

Average throughput: 219.07 Mbit/s

95th percentile per-packet one-way delay: 64.751 ms

Loss rate: 0.48%

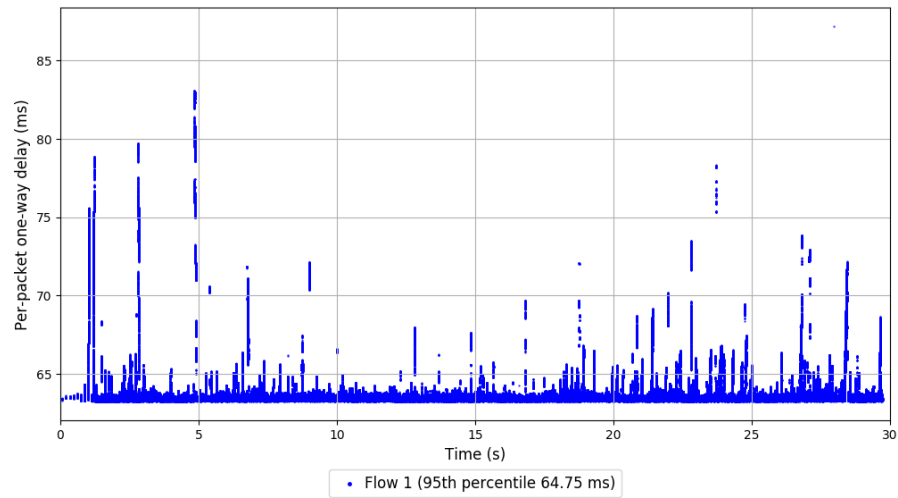
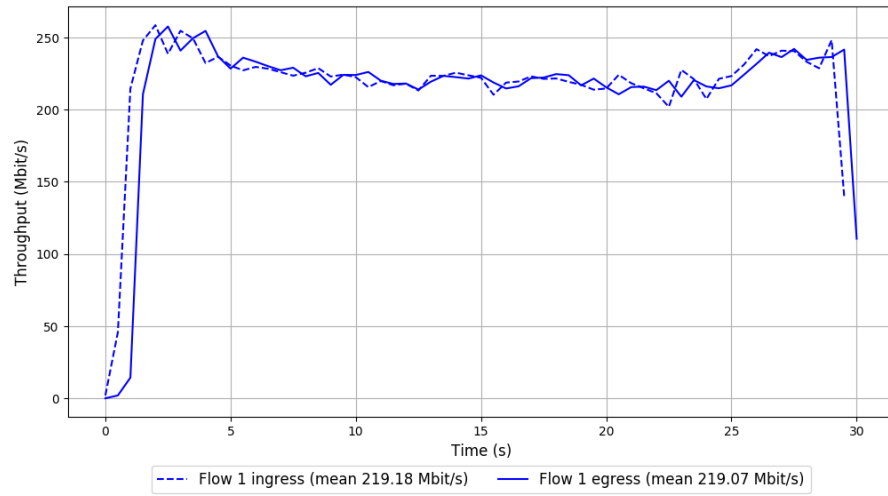
-- Flow 1:

Average throughput: 219.07 Mbit/s

95th percentile per-packet one-way delay: 64.751 ms

Loss rate: 0.48%

Run 4: Report of Indigo — Data Link

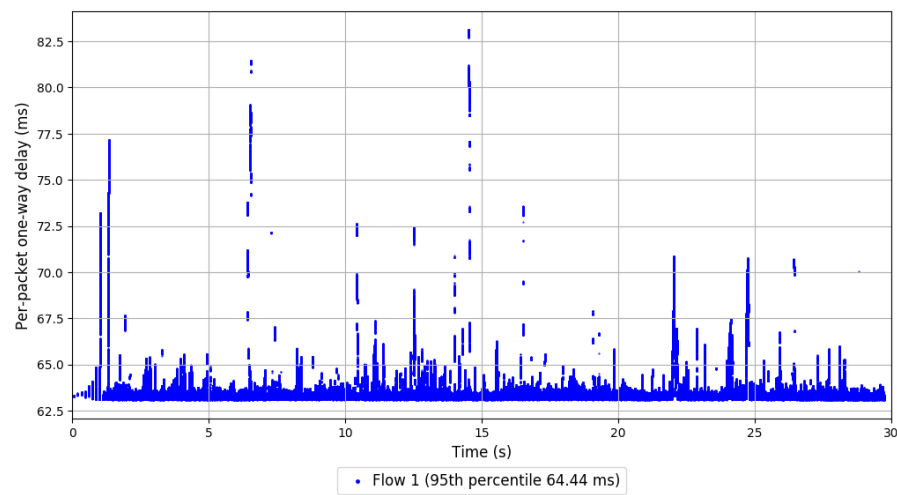
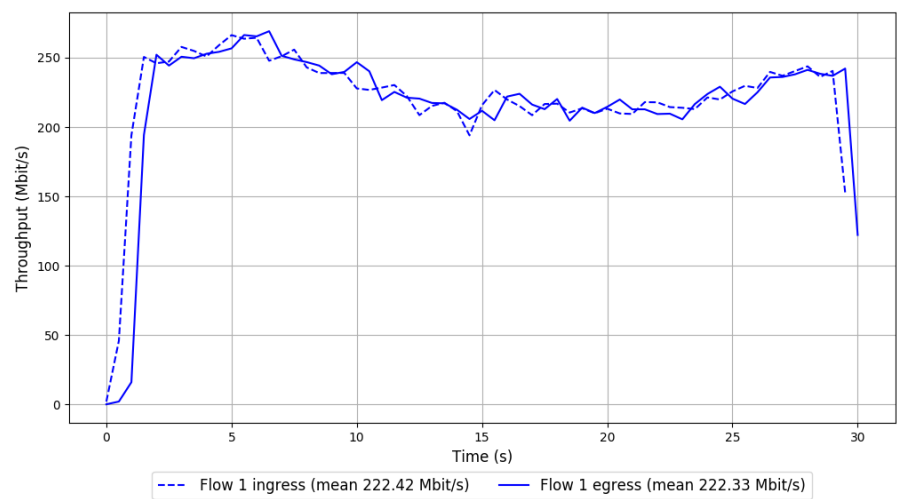


Run 5: Statistics of Indigo

Start at: 2019-03-19 06:41:21
End at: 2019-03-19 06:41:51
Local clock offset: -0.106 ms
Remote clock offset: -0.095 ms

Below is generated by plot.py at 2019-03-19 07:57:13
Datalink statistics
-- Total of 1 flow:
Average throughput: 222.33 Mbit/s
95th percentile per-packet one-way delay: 64.445 ms
Loss rate: 0.46%
-- Flow 1:
Average throughput: 222.33 Mbit/s
95th percentile per-packet one-way delay: 64.445 ms
Loss rate: 0.46%

Run 5: Report of Indigo — Data Link

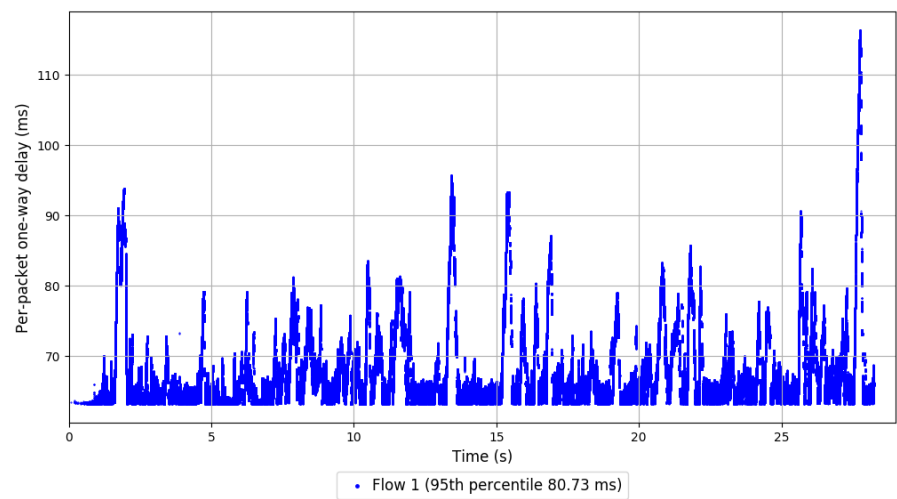
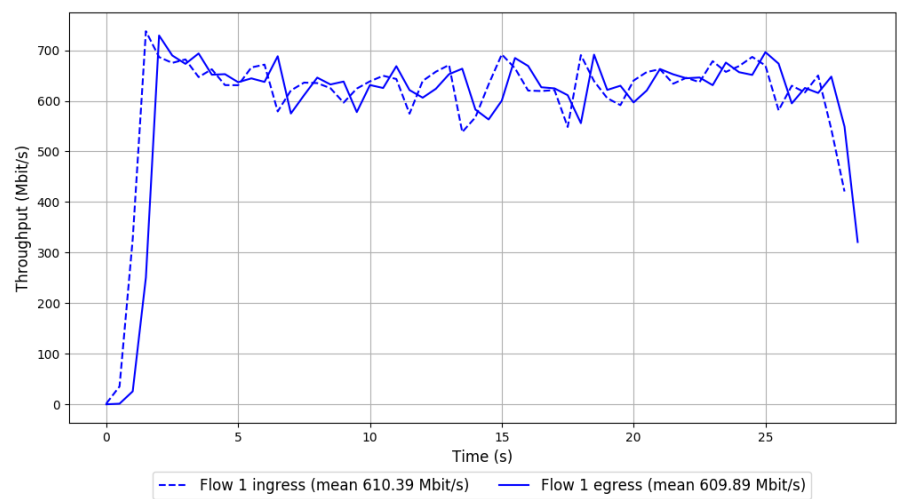


Run 1: Statistics of Indigo-MusesC3

Start at: 2019-03-19 04:32:43
End at: 2019-03-19 04:33:13
Local clock offset: -0.08 ms
Remote clock offset: -0.217 ms

Below is generated by plot.py at 2019-03-19 07:57:13
Datalink statistics
-- Total of 1 flow:
Average throughput: 609.89 Mbit/s
95th percentile per-packet one-way delay: 80.729 ms
Loss rate: 0.53%
-- Flow 1:
Average throughput: 609.89 Mbit/s
95th percentile per-packet one-way delay: 80.729 ms
Loss rate: 0.53%

Run 1: Report of Indigo-MusesC3 — Data Link



Run 2: Statistics of Indigo-MusesC3

Start at: 2019-03-19 05:03:47

End at: 2019-03-19 05:04:17

Local clock offset: 0.011 ms

Remote clock offset: -0.3 ms

Below is generated by plot.py at 2019-03-19 07:57:13

Datalink statistics

-- Total of 1 flow:

Average throughput: 613.45 Mbit/s

95th percentile per-packet one-way delay: 102.116 ms

Loss rate: 0.42%

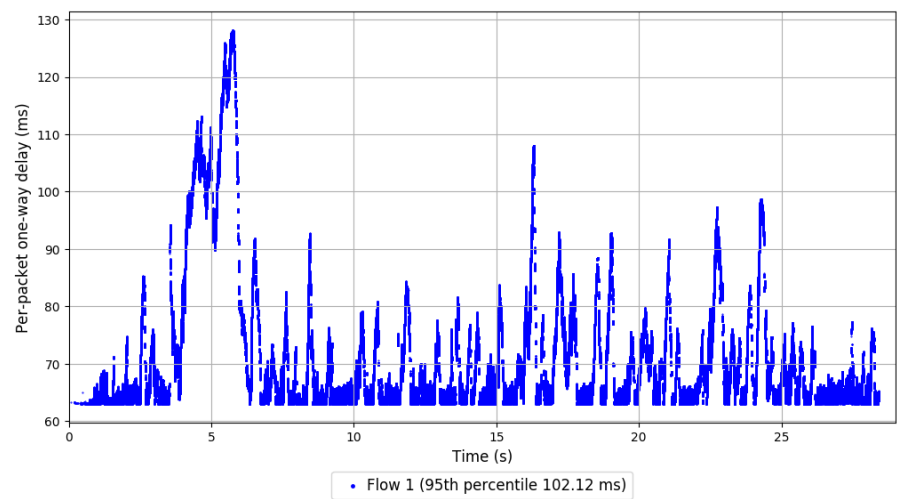
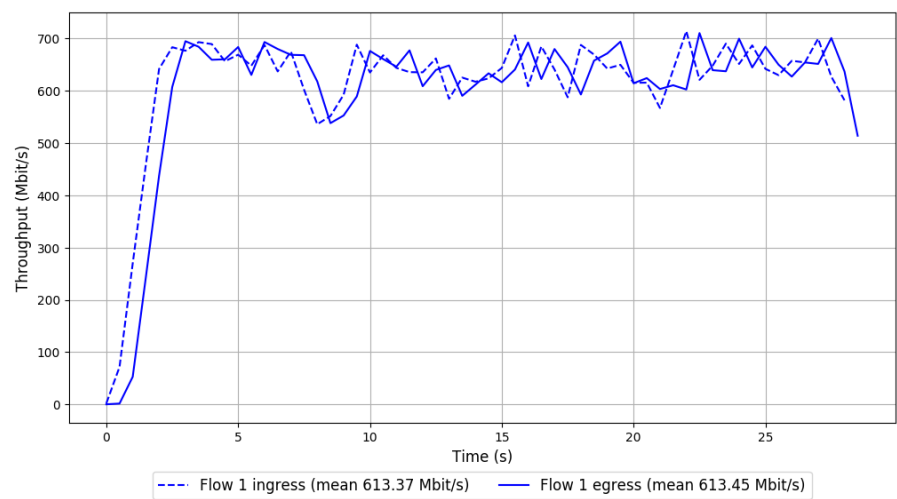
-- Flow 1:

Average throughput: 613.45 Mbit/s

95th percentile per-packet one-way delay: 102.116 ms

Loss rate: 0.42%

Run 2: Report of Indigo-MusesC3 — Data Link

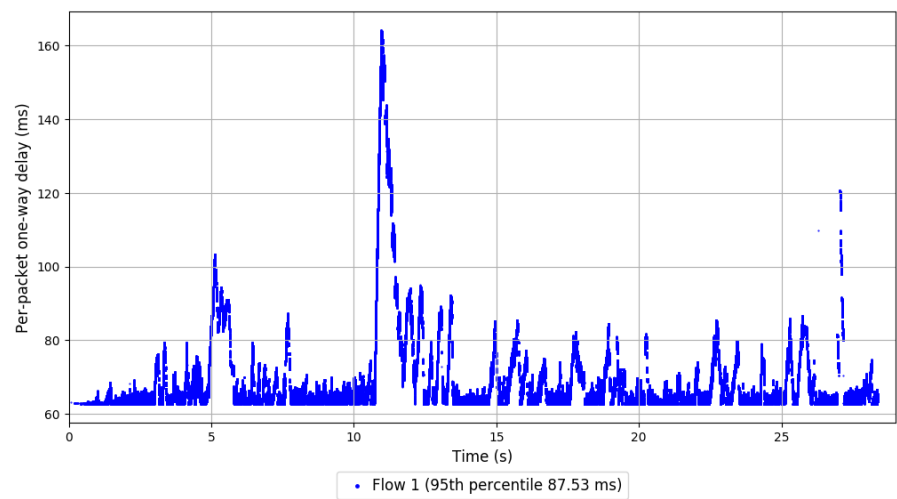
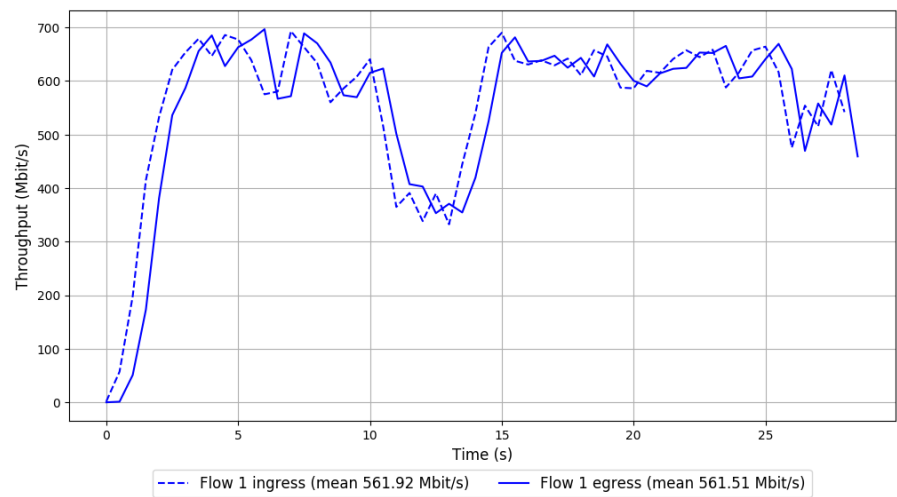


Run 3: Statistics of Indigo-MusesC3

Start at: 2019-03-19 05:34:46
End at: 2019-03-19 05:35:16
Local clock offset: -0.019 ms
Remote clock offset: -0.071 ms

Below is generated by plot.py at 2019-03-19 07:57:13
Datalink statistics
-- Total of 1 flow:
Average throughput: 561.51 Mbit/s
95th percentile per-packet one-way delay: 87.528 ms
Loss rate: 0.52%
-- Flow 1:
Average throughput: 561.51 Mbit/s
95th percentile per-packet one-way delay: 87.528 ms
Loss rate: 0.52%

Run 3: Report of Indigo-MusesC3 — Data Link



Run 4: Statistics of Indigo-MusesC3

Start at: 2019-03-19 06:05:53

End at: 2019-03-19 06:06:23

Local clock offset: -0.012 ms

Remote clock offset: -0.77 ms

Below is generated by plot.py at 2019-03-19 07:57:13

Datalink statistics

-- Total of 1 flow:

Average throughput: 592.36 Mbit/s

95th percentile per-packet one-way delay: 79.361 ms

Loss rate: 0.46%

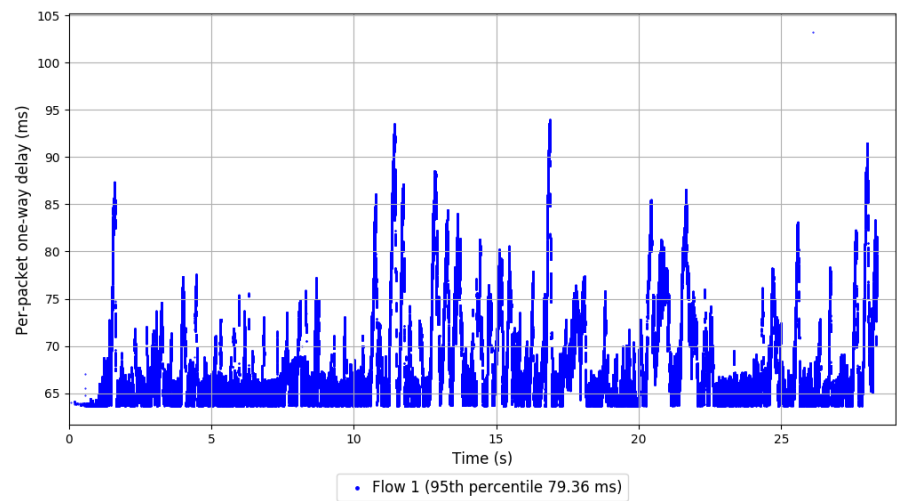
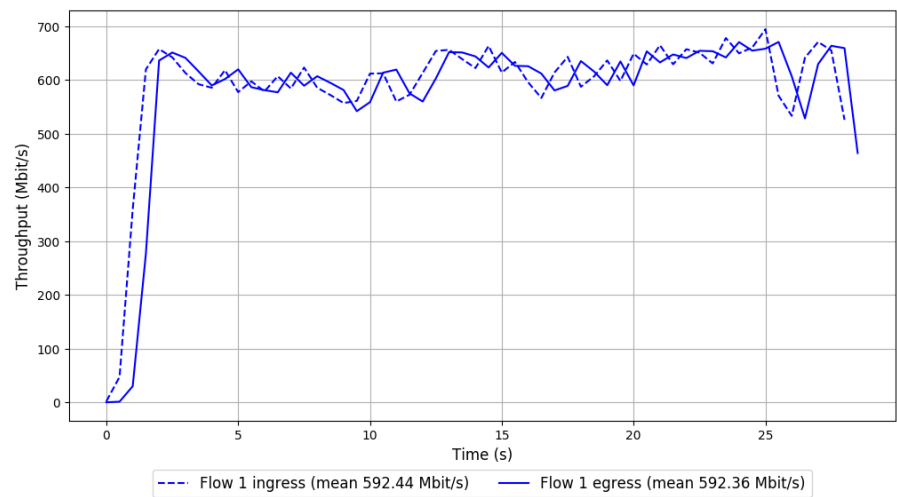
-- Flow 1:

Average throughput: 592.36 Mbit/s

95th percentile per-packet one-way delay: 79.361 ms

Loss rate: 0.46%

Run 4: Report of Indigo-MusesC3 — Data Link

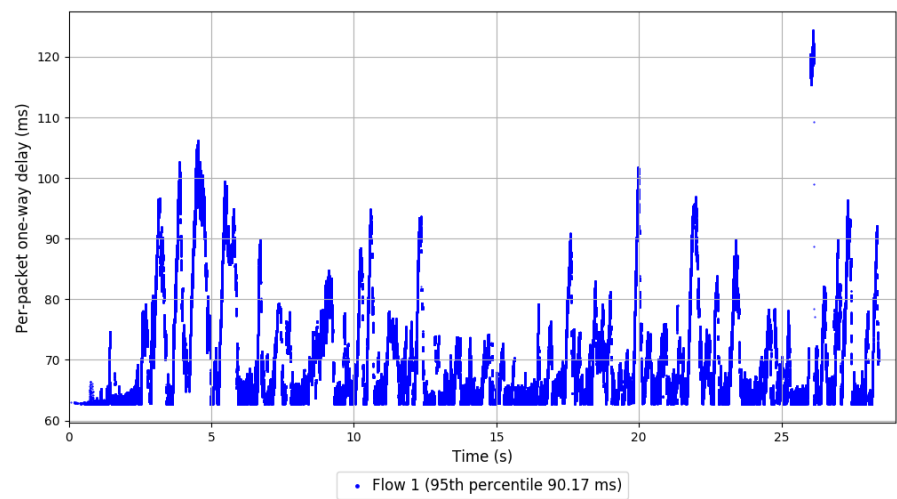
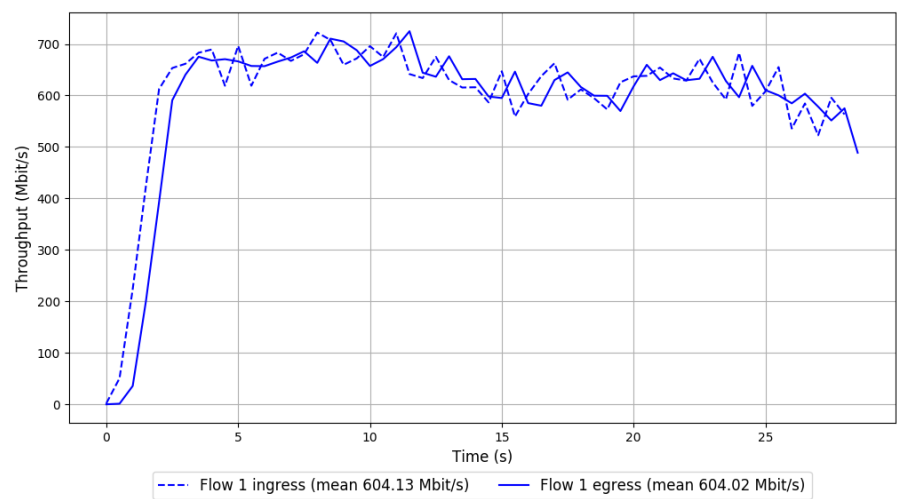


Run 5: Statistics of Indigo-MusesC3

Start at: 2019-03-19 06:36:56
End at: 2019-03-19 06:37:26
Local clock offset: -0.101 ms
Remote clock offset: -0.103 ms

Below is generated by plot.py at 2019-03-19 07:57:13
Datalink statistics
-- Total of 1 flow:
Average throughput: 604.02 Mbit/s
95th percentile per-packet one-way delay: 90.173 ms
Loss rate: 0.46%
-- Flow 1:
Average throughput: 604.02 Mbit/s
95th percentile per-packet one-way delay: 90.173 ms
Loss rate: 0.46%

Run 5: Report of Indigo-MusesC3 — Data Link



Run 1: Statistics of Indigo-MusesC5

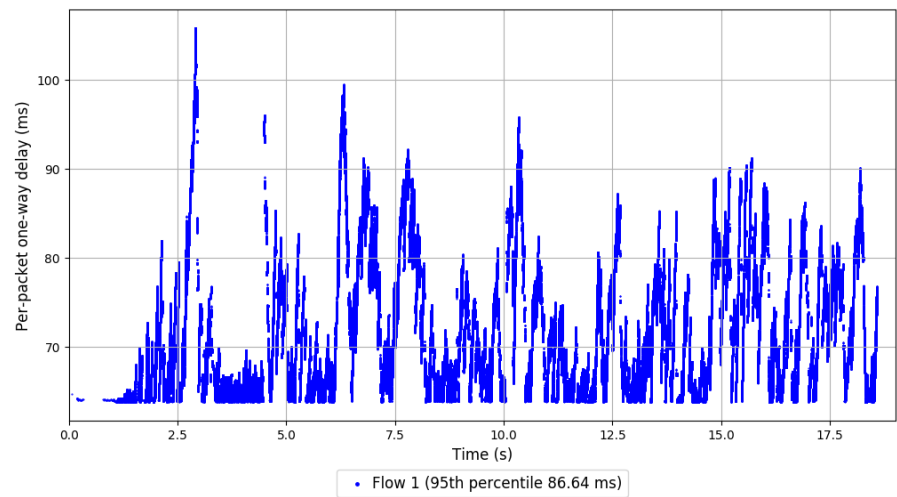
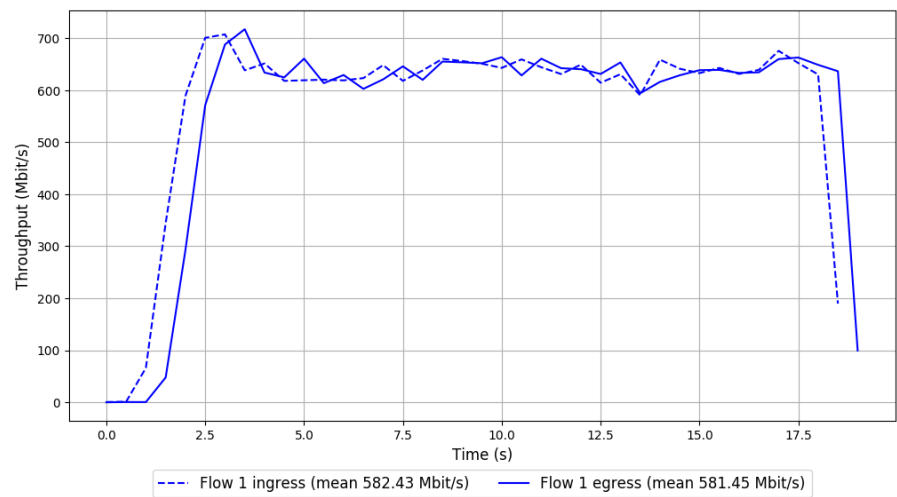
Start at: 2019-03-19 04:23:45

End at: 2019-03-19 04:24:15

Local clock offset: -0.07 ms

Remote clock offset: -0.95 ms

Run 1: Report of Indigo-MusesC5 — Data Link

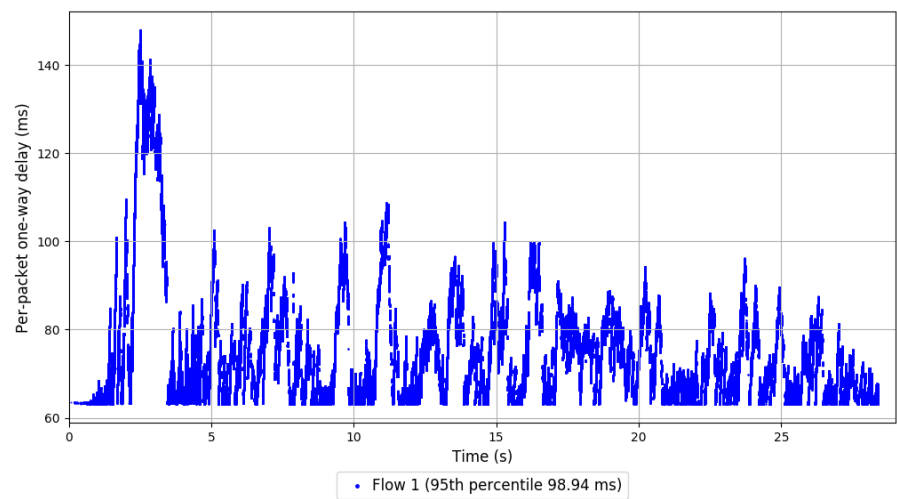
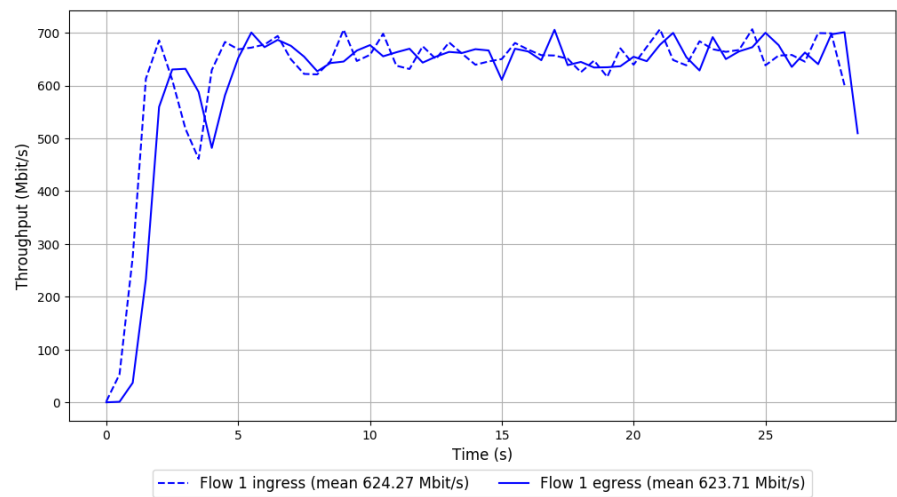


Run 2: Statistics of Indigo-MusesC5

Start at: 2019-03-19 04:54:34
End at: 2019-03-19 04:55:04
Local clock offset: -0.025 ms
Remote clock offset: -0.205 ms

Below is generated by plot.py at 2019-03-19 07:59:45
Datalink statistics
-- Total of 1 flow:
Average throughput: 623.71 Mbit/s
95th percentile per-packet one-way delay: 98.939 ms
Loss rate: 0.53%
-- Flow 1:
Average throughput: 623.71 Mbit/s
95th percentile per-packet one-way delay: 98.939 ms
Loss rate: 0.53%

Run 2: Report of Indigo-MusesC5 — Data Link

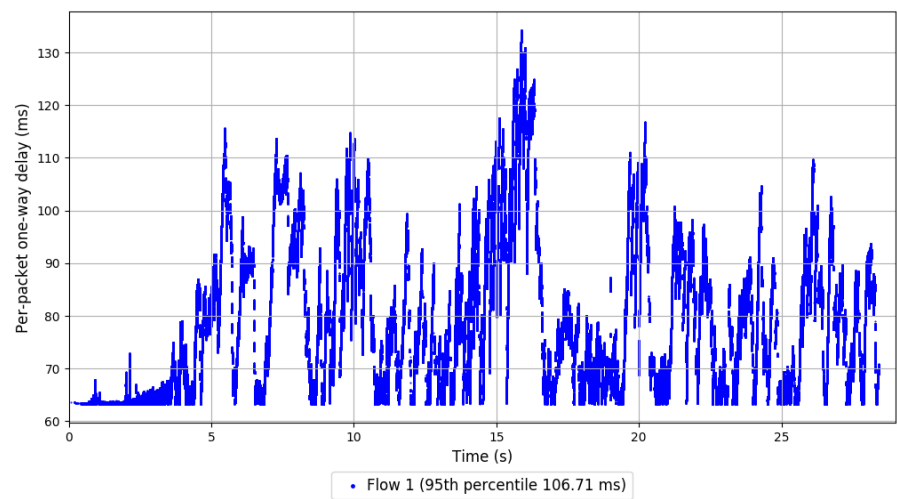
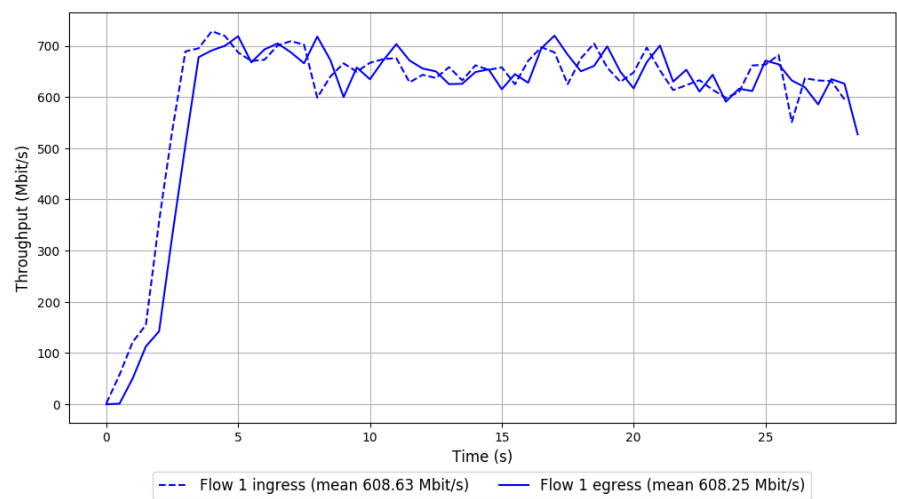


Run 3: Statistics of Indigo-MusesC5

Start at: 2019-03-19 05:25:35
End at: 2019-03-19 05:26:05
Local clock offset: 0.015 ms
Remote clock offset: -0.153 ms

Below is generated by plot.py at 2019-03-19 07:59:45
Datalink statistics
-- Total of 1 flow:
Average throughput: 608.25 Mbit/s
95th percentile per-packet one-way delay: 106.714 ms
Loss rate: 0.51%
-- Flow 1:
Average throughput: 608.25 Mbit/s
95th percentile per-packet one-way delay: 106.714 ms
Loss rate: 0.51%

Run 3: Report of Indigo-MusesC5 — Data Link



Run 4: Statistics of Indigo-MusesC5

Start at: 2019-03-19 05:56:30

End at: 2019-03-19 05:57:00

Local clock offset: -0.012 ms

Remote clock offset: 0.064 ms

Below is generated by plot.py at 2019-03-19 08:03:05

Datalink statistics

-- Total of 1 flow:

Average throughput: 626.83 Mbit/s

95th percentile per-packet one-way delay: 94.827 ms

Loss rate: 0.51%

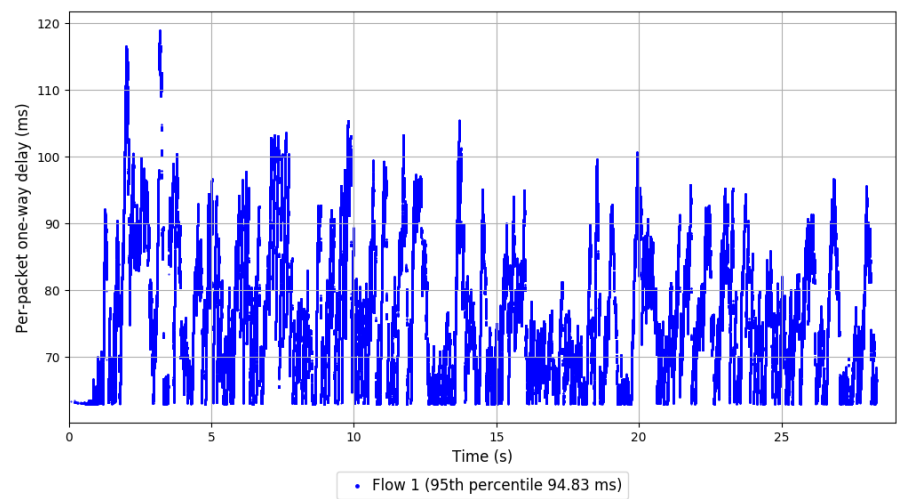
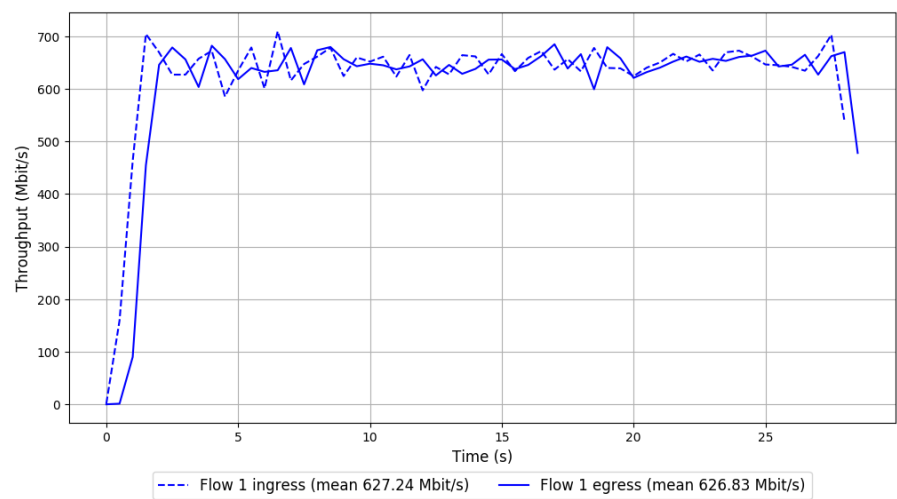
-- Flow 1:

Average throughput: 626.83 Mbit/s

95th percentile per-packet one-way delay: 94.827 ms

Loss rate: 0.51%

Run 4: Report of Indigo-MusesC5 — Data Link

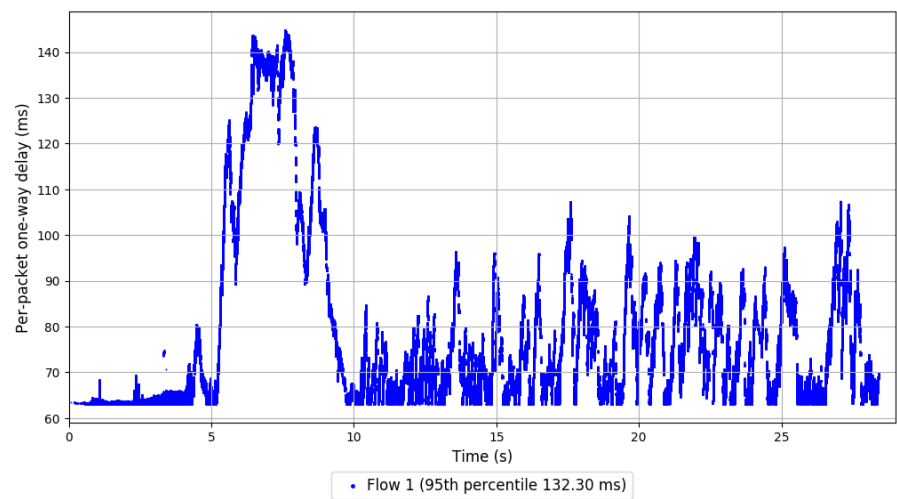
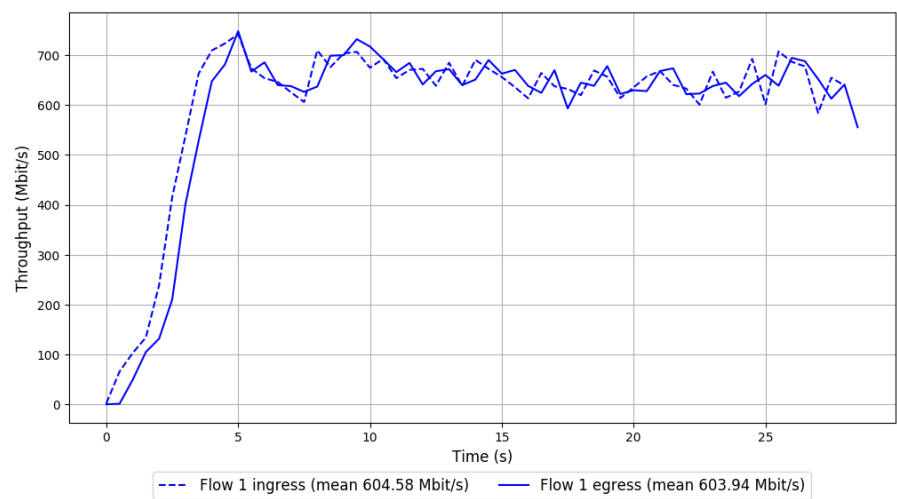


Run 5: Statistics of Indigo-MusesC5

Start at: 2019-03-19 06:27:41
End at: 2019-03-19 06:28:11
Local clock offset: -0.094 ms
Remote clock offset: -0.155 ms

Below is generated by plot.py at 2019-03-19 08:04:43
Datalink statistics
-- Total of 1 flow:
Average throughput: 603.94 Mbit/s
95th percentile per-packet one-way delay: 132.301 ms
Loss rate: 0.55%
-- Flow 1:
Average throughput: 603.94 Mbit/s
95th percentile per-packet one-way delay: 132.301 ms
Loss rate: 0.55%

Run 5: Report of Indigo-MusesC5 — Data Link



Run 1: Statistics of Indigo-MusesD

Start at: 2019-03-19 04:38:33

End at: 2019-03-19 04:39:03

Local clock offset: -0.07 ms

Remote clock offset: -0.805 ms

Below is generated by plot.py at 2019-03-19 08:04:43

Datalink statistics

-- Total of 1 flow:

Average throughput: 567.53 Mbit/s

95th percentile per-packet one-way delay: 105.538 ms

Loss rate: 0.42%

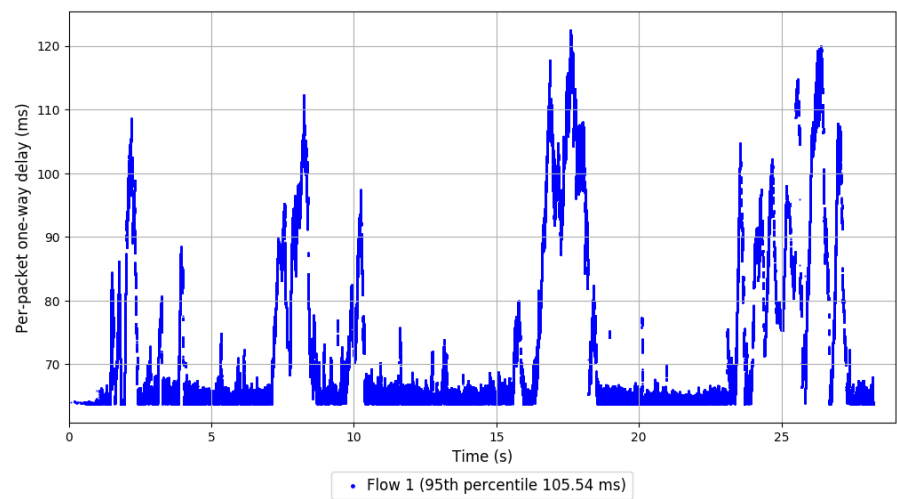
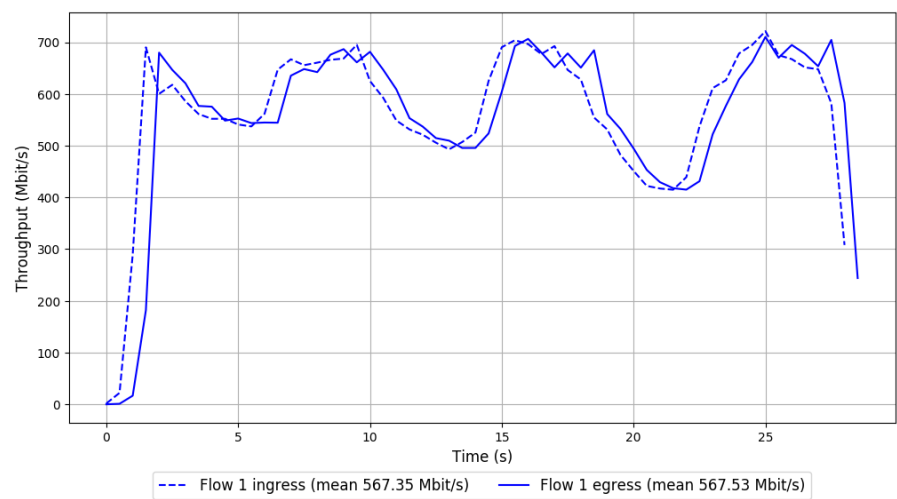
-- Flow 1:

Average throughput: 567.53 Mbit/s

95th percentile per-packet one-way delay: 105.538 ms

Loss rate: 0.42%

Run 1: Report of Indigo-MusesD — Data Link

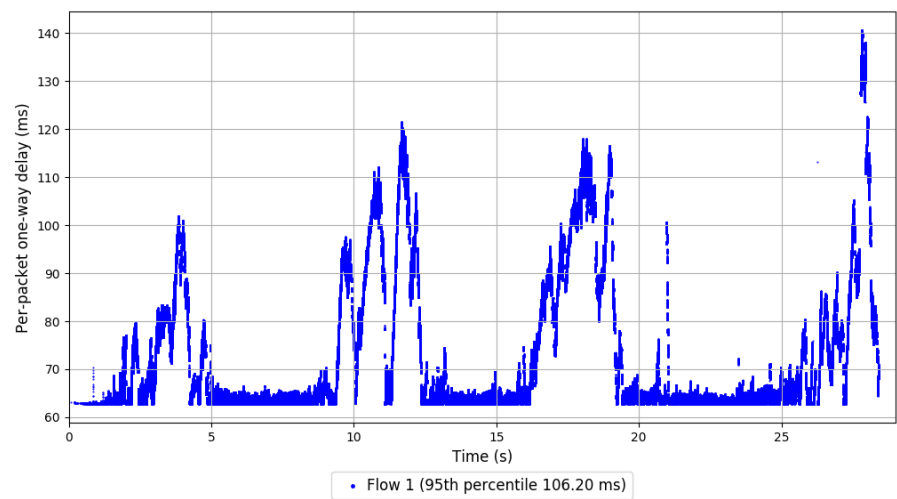
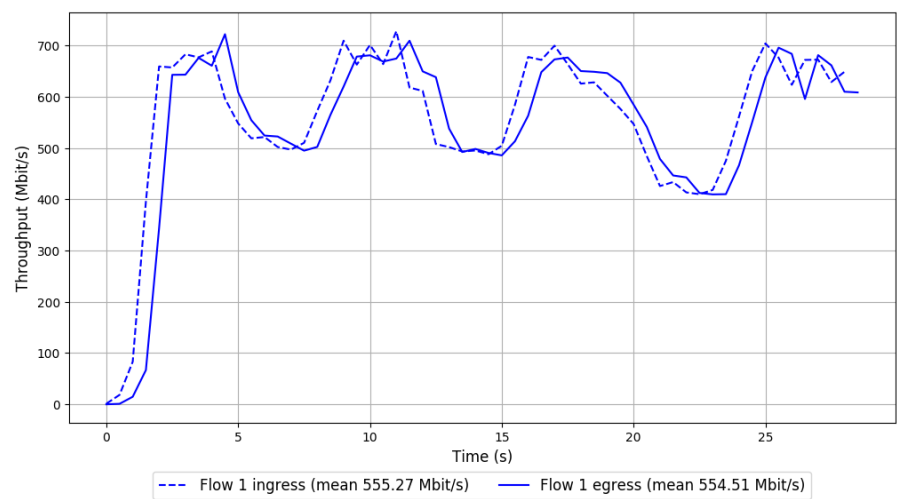


Run 2: Statistics of Indigo-MusesD

Start at: 2019-03-19 05:09:40
End at: 2019-03-19 05:10:10
Local clock offset: -0.031 ms
Remote clock offset: -0.075 ms

Below is generated by plot.py at 2019-03-19 08:04:43
Datalink statistics
-- Total of 1 flow:
Average throughput: 554.51 Mbit/s
95th percentile per-packet one-way delay: 106.200 ms
Loss rate: 0.58%
-- Flow 1:
Average throughput: 554.51 Mbit/s
95th percentile per-packet one-way delay: 106.200 ms
Loss rate: 0.58%

Run 2: Report of Indigo-MusesD — Data Link



Run 3: Statistics of Indigo-MusesD

Start at: 2019-03-19 05:40:38

End at: 2019-03-19 05:41:08

Local clock offset: -0.026 ms

Remote clock offset: -0.294 ms

Below is generated by plot.py at 2019-03-19 08:04:43

Datalink statistics

-- Total of 1 flow:

Average throughput: 521.58 Mbit/s

95th percentile per-packet one-way delay: 107.892 ms

Loss rate: 0.35%

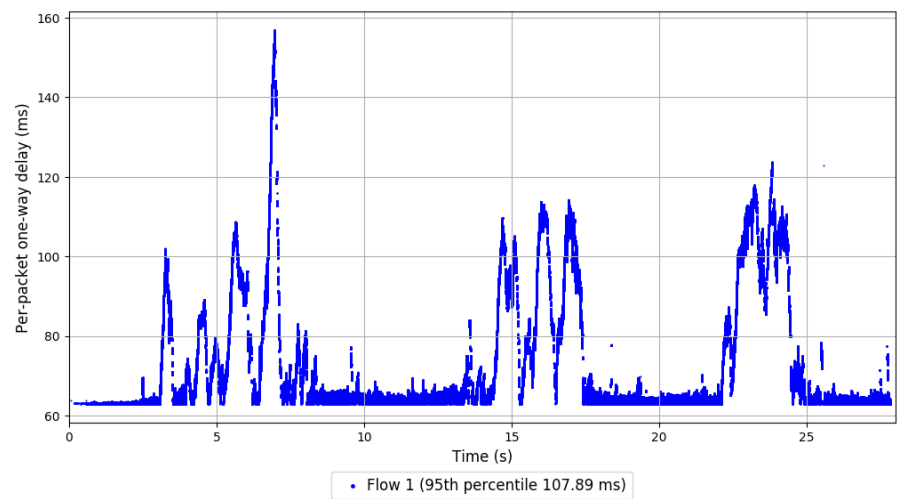
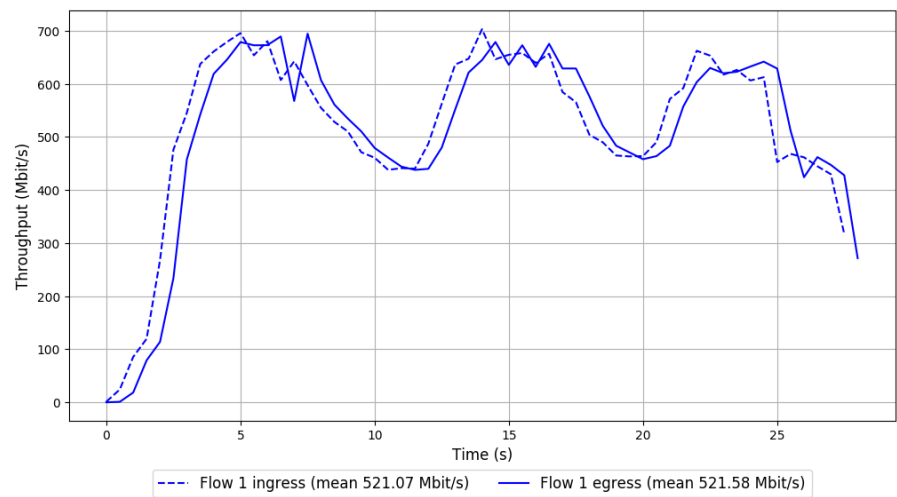
-- Flow 1:

Average throughput: 521.58 Mbit/s

95th percentile per-packet one-way delay: 107.892 ms

Loss rate: 0.35%

Run 3: Report of Indigo-MusesD — Data Link



Run 4: Statistics of Indigo-MusesD

Start at: 2019-03-19 06:11:43

End at: 2019-03-19 06:12:13

Local clock offset: -0.008 ms

Remote clock offset: 0.747 ms

Below is generated by plot.py at 2019-03-19 08:06:28

Datalink statistics

-- Total of 1 flow:

Average throughput: 545.67 Mbit/s

95th percentile per-packet one-way delay: 89.657 ms

Loss rate: 0.47%

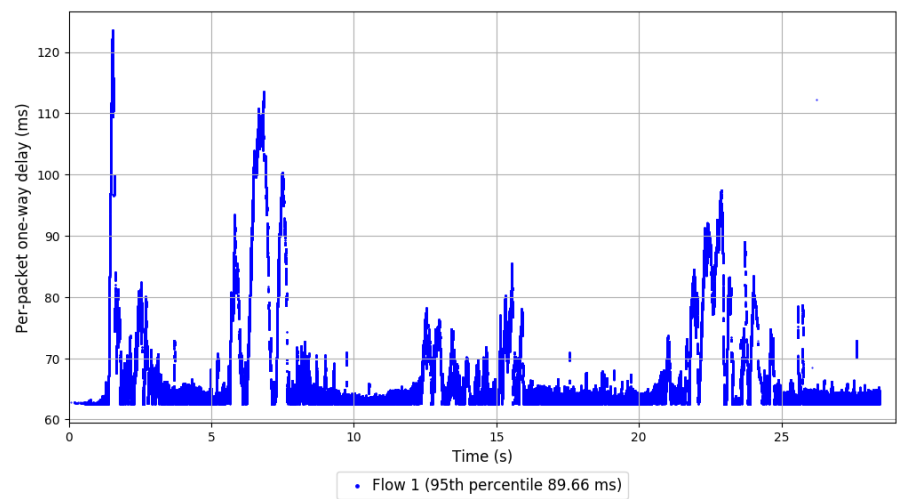
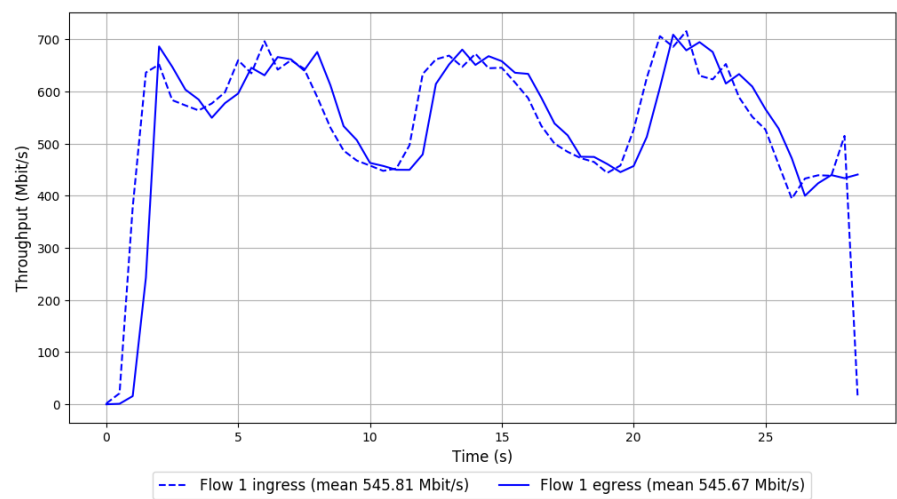
-- Flow 1:

Average throughput: 545.67 Mbit/s

95th percentile per-packet one-way delay: 89.657 ms

Loss rate: 0.47%

Run 4: Report of Indigo-MusesD — Data Link

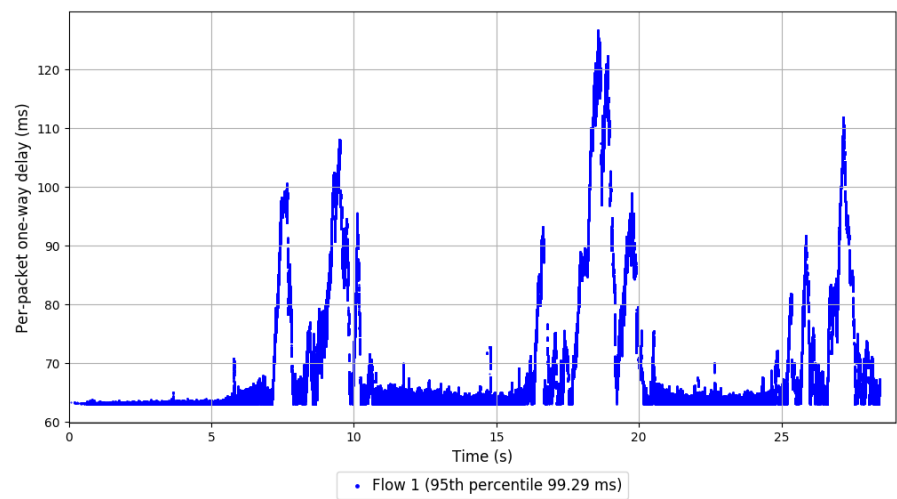
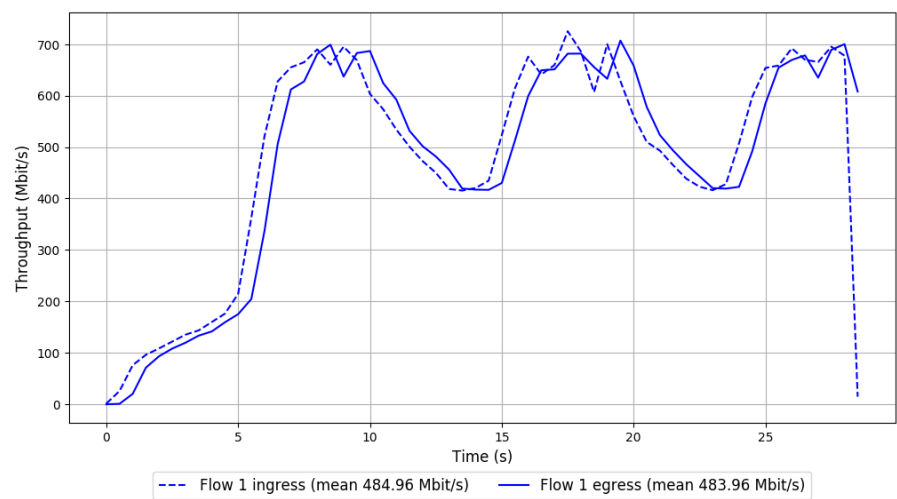


Run 5: Statistics of Indigo-MusesD

Start at: 2019-03-19 06:42:49
End at: 2019-03-19 06:43:20
Local clock offset: -0.134 ms
Remote clock offset: -0.222 ms

Below is generated by plot.py at 2019-03-19 08:08:26
Datalink statistics
-- Total of 1 flow:
Average throughput: 483.96 Mbit/s
95th percentile per-packet one-way delay: 99.288 ms
Loss rate: 0.65%
-- Flow 1:
Average throughput: 483.96 Mbit/s
95th percentile per-packet one-way delay: 99.288 ms
Loss rate: 0.65%

Run 5: Report of Indigo-MusesD — Data Link

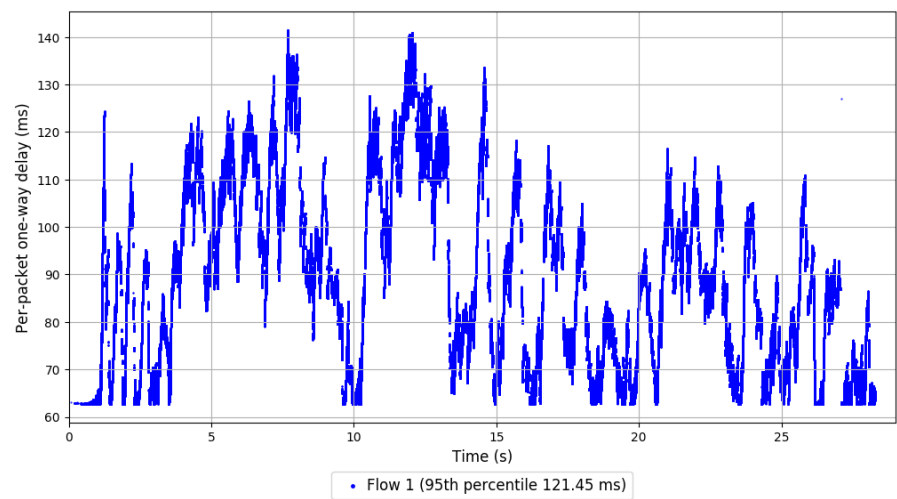
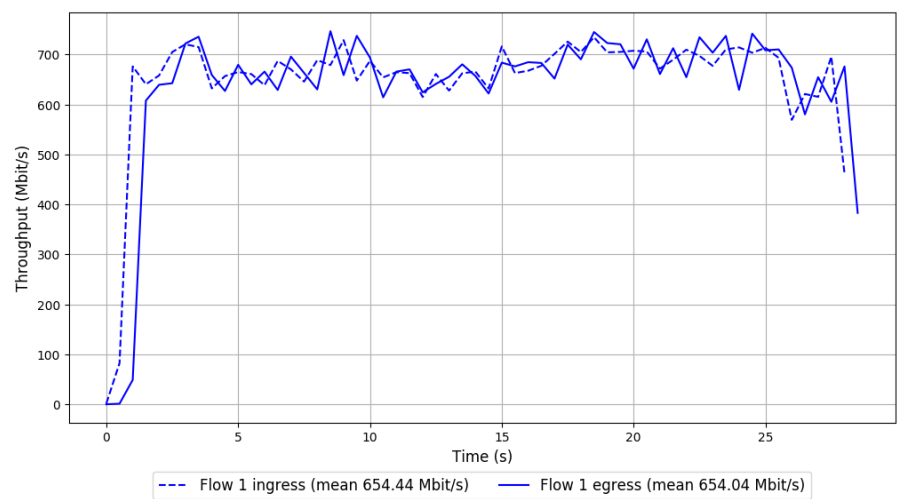


Run 1: Statistics of Indigo-MusesT

Start at: 2019-03-19 04:29:20
End at: 2019-03-19 04:29:50
Local clock offset: -0.059 ms
Remote clock offset: -0.158 ms

Below is generated by plot.py at 2019-03-19 08:10:48
Datalink statistics
-- Total of 1 flow:
Average throughput: 654.04 Mbit/s
95th percentile per-packet one-way delay: 121.454 ms
Loss rate: 0.51%
-- Flow 1:
Average throughput: 654.04 Mbit/s
95th percentile per-packet one-way delay: 121.454 ms
Loss rate: 0.51%

Run 1: Report of Indigo-MusesT — Data Link

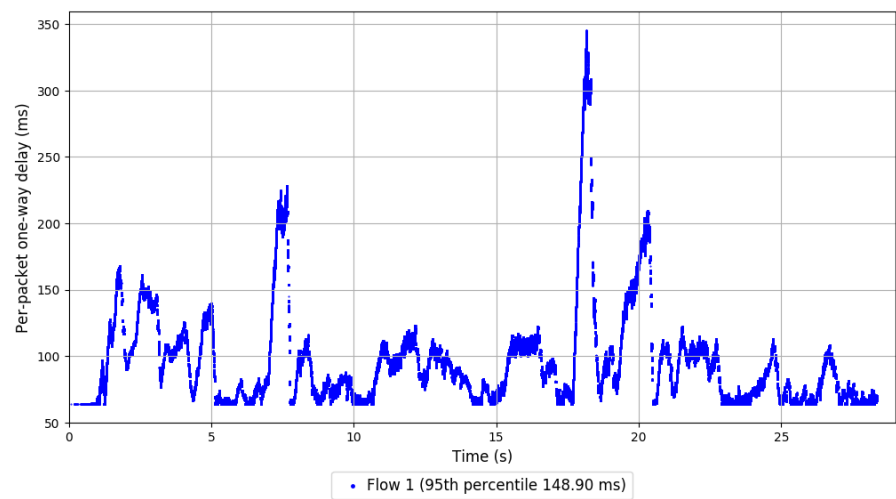
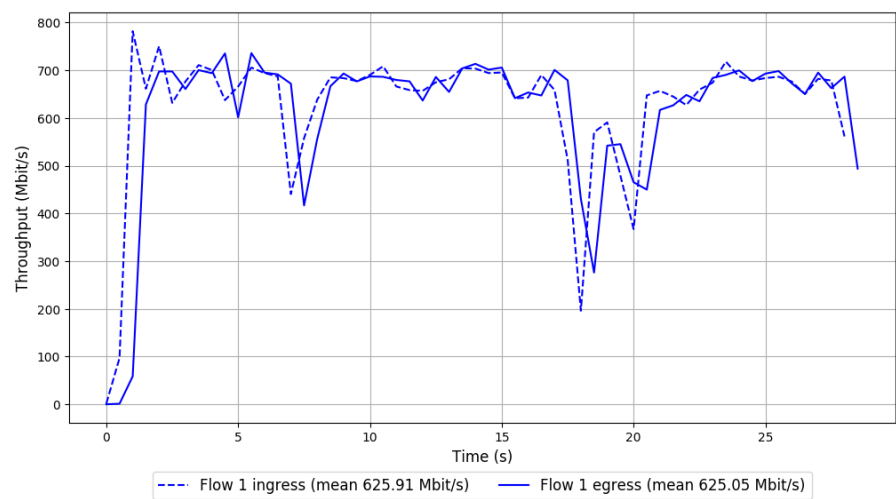


Run 2: Statistics of Indigo-MusesT

Start at: 2019-03-19 05:00:26
End at: 2019-03-19 05:00:56
Local clock offset: -0.023 ms
Remote clock offset: -0.802 ms

Below is generated by plot.py at 2019-03-19 08:13:33
Datalink statistics
-- Total of 1 flow:
Average throughput: 625.05 Mbit/s
95th percentile per-packet one-way delay: 148.901 ms
Loss rate: 0.58%
-- Flow 1:
Average throughput: 625.05 Mbit/s
95th percentile per-packet one-way delay: 148.901 ms
Loss rate: 0.58%

Run 2: Report of Indigo-MusesT — Data Link

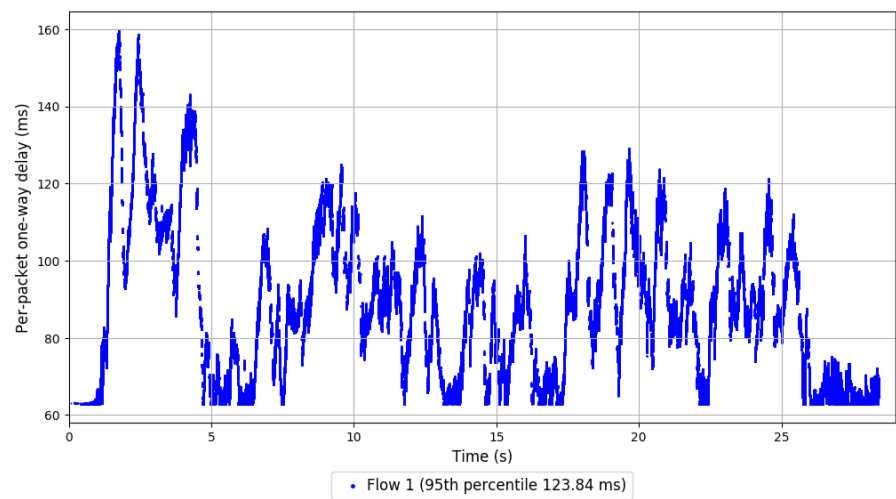
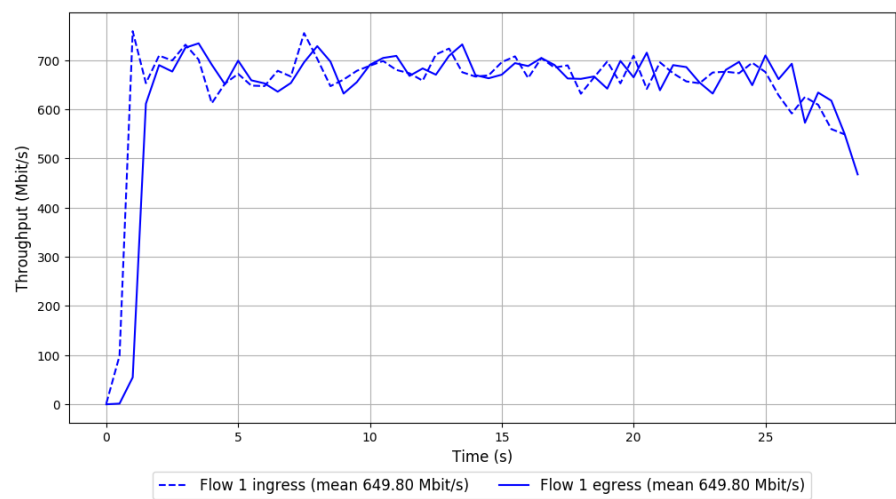


Run 3: Statistics of Indigo-MusesT

Start at: 2019-03-19 05:31:26
End at: 2019-03-19 05:31:56
Local clock offset: -0.016 ms
Remote clock offset: -0.239 ms

Below is generated by plot.py at 2019-03-19 08:14:37
Datalink statistics
-- Total of 1 flow:
Average throughput: 649.80 Mbit/s
95th percentile per-packet one-way delay: 123.843 ms
Loss rate: 0.45%
-- Flow 1:
Average throughput: 649.80 Mbit/s
95th percentile per-packet one-way delay: 123.843 ms
Loss rate: 0.45%

Run 3: Report of Indigo-MusesT — Data Link

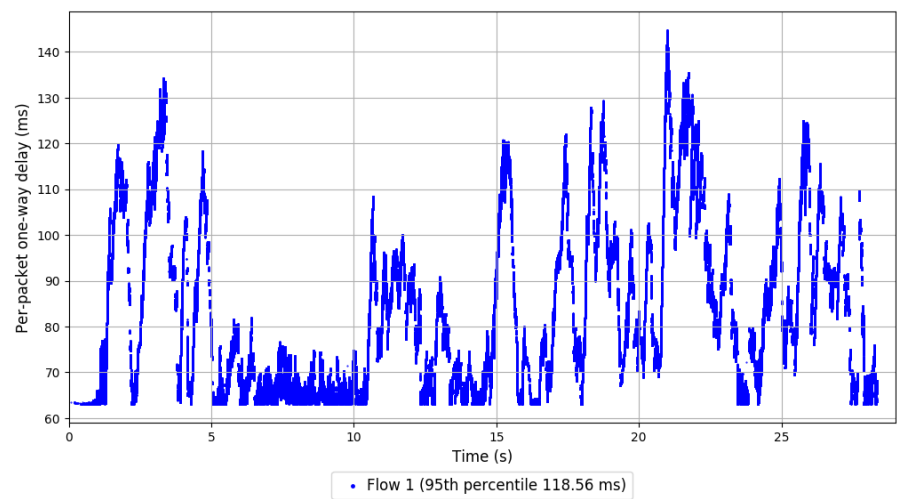
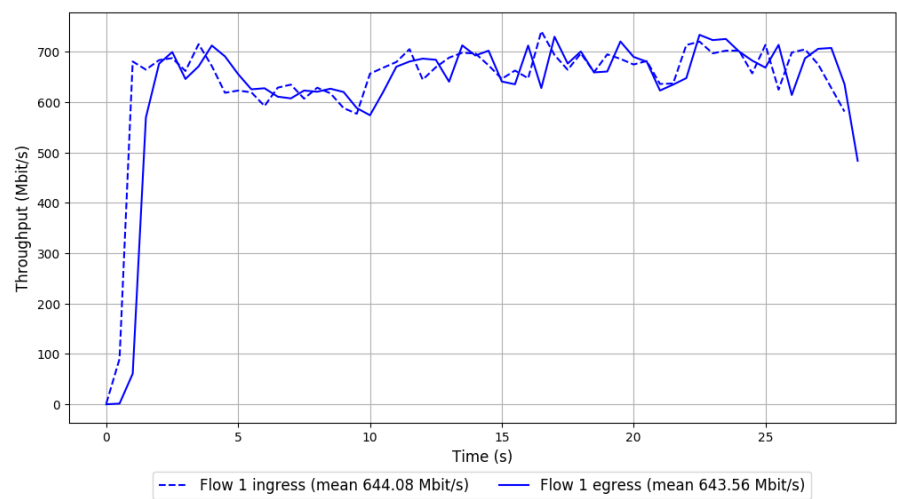


Run 4: Statistics of Indigo-MusesT

Start at: 2019-03-19 06:02:32
End at: 2019-03-19 06:03:02
Local clock offset: -0.022 ms
Remote clock offset: -0.211 ms

Below is generated by plot.py at 2019-03-19 08:14:54
Datalink statistics
-- Total of 1 flow:
Average throughput: 643.56 Mbit/s
95th percentile per-packet one-way delay: 118.562 ms
Loss rate: 0.53%
-- Flow 1:
Average throughput: 643.56 Mbit/s
95th percentile per-packet one-way delay: 118.562 ms
Loss rate: 0.53%

Run 4: Report of Indigo-MusesT — Data Link



Run 5: Statistics of Indigo-MusesT

Start at: 2019-03-19 06:33:32

End at: 2019-03-19 06:34:02

Local clock offset: -0.112 ms

Remote clock offset: -0.24 ms

Below is generated by plot.py at 2019-03-19 08:15:17

Datalink statistics

-- Total of 1 flow:

Average throughput: 668.83 Mbit/s

95th percentile per-packet one-way delay: 119.581 ms

Loss rate: 0.58%

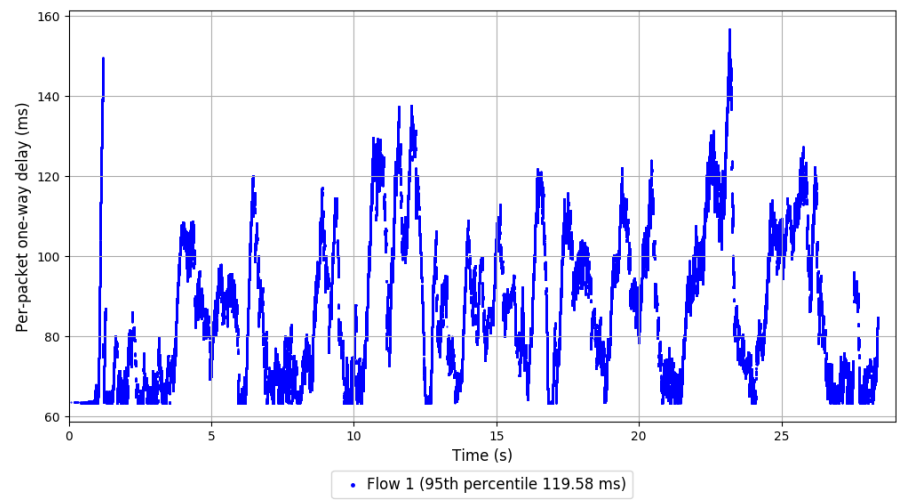
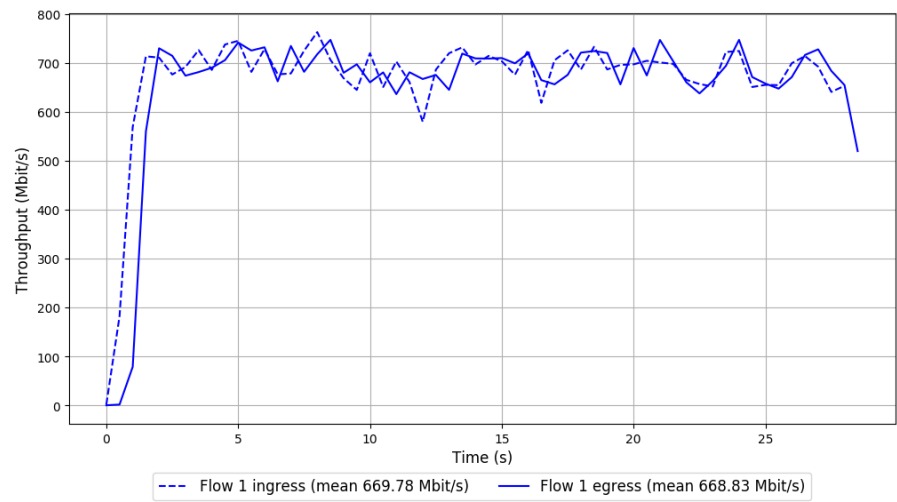
-- Flow 1:

Average throughput: 668.83 Mbit/s

95th percentile per-packet one-way delay: 119.581 ms

Loss rate: 0.58%

Run 5: Report of Indigo-MusesT — Data Link

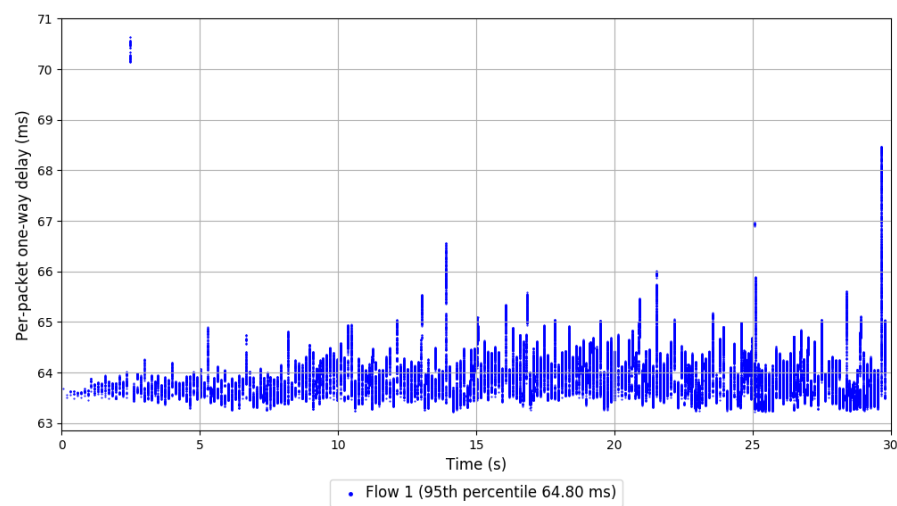
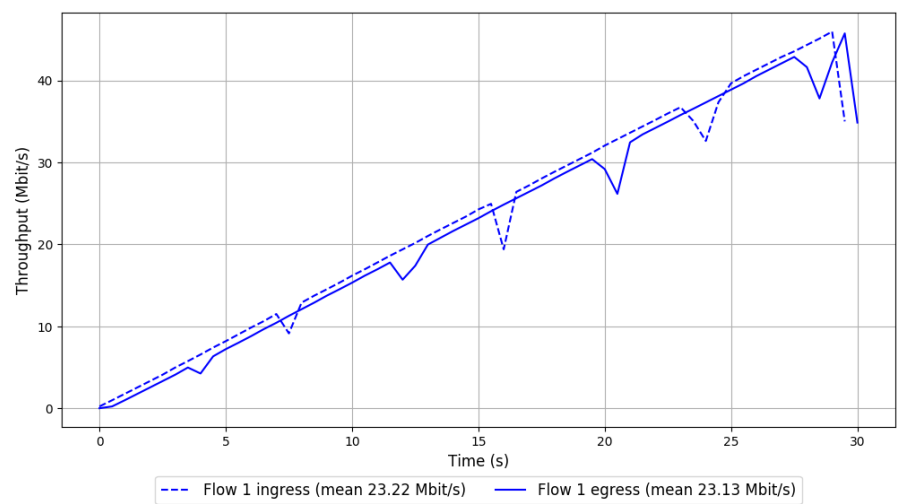


Run 1: Statistics of LEDBAT

Start at: 2019-03-19 04:42:45
End at: 2019-03-19 04:43:15
Local clock offset: -0.051 ms
Remote clock offset: -0.285 ms

Below is generated by plot.py at 2019-03-19 08:15:17
Datalink statistics
-- Total of 1 flow:
Average throughput: 23.13 Mbit/s
95th percentile per-packet one-way delay: 64.803 ms
Loss rate: 0.84%
-- Flow 1:
Average throughput: 23.13 Mbit/s
95th percentile per-packet one-way delay: 64.803 ms
Loss rate: 0.84%

Run 1: Report of LEDBAT — Data Link



Run 2: Statistics of LEDBAT

Start at: 2019-03-19 05:13:51

End at: 2019-03-19 05:14:21

Local clock offset: -0.023 ms

Remote clock offset: 0.527 ms

Below is generated by plot.py at 2019-03-19 08:15:17

Datalink statistics

-- Total of 1 flow:

Average throughput: 23.23 Mbit/s

95th percentile per-packet one-way delay: 63.790 ms

Loss rate: 0.84%

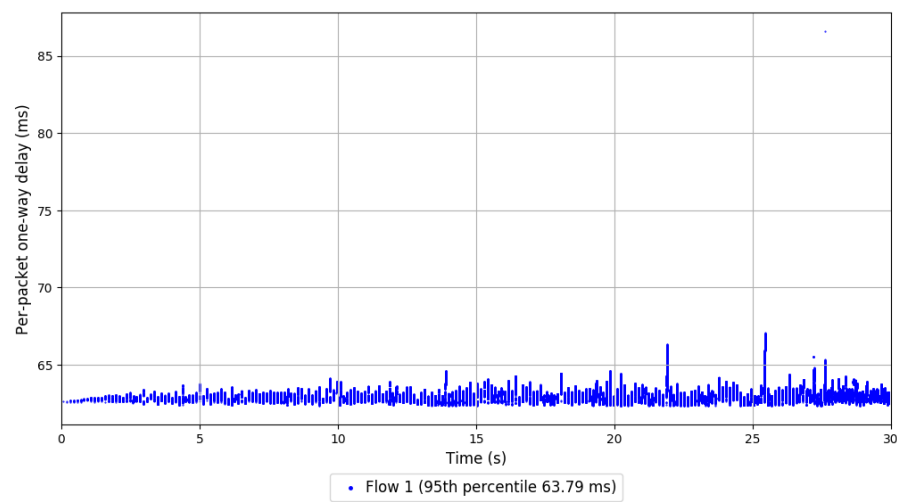
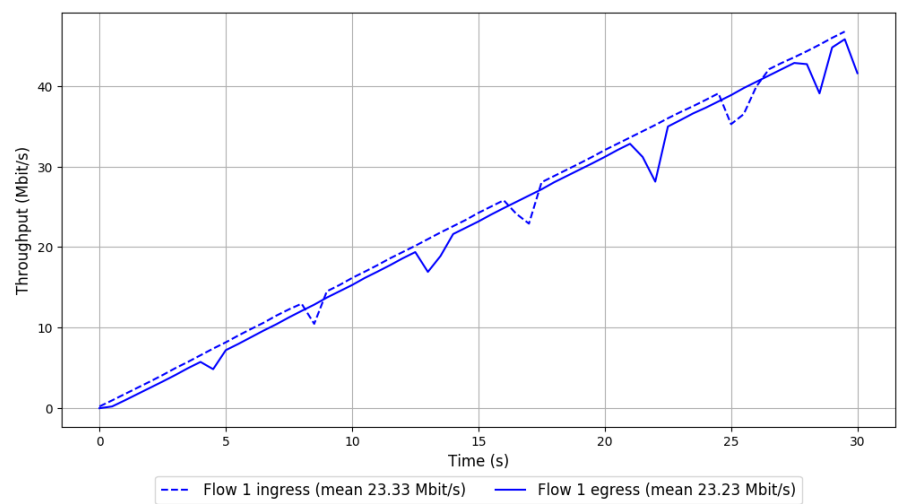
-- Flow 1:

Average throughput: 23.23 Mbit/s

95th percentile per-packet one-way delay: 63.790 ms

Loss rate: 0.84%

Run 2: Report of LEDBAT — Data Link

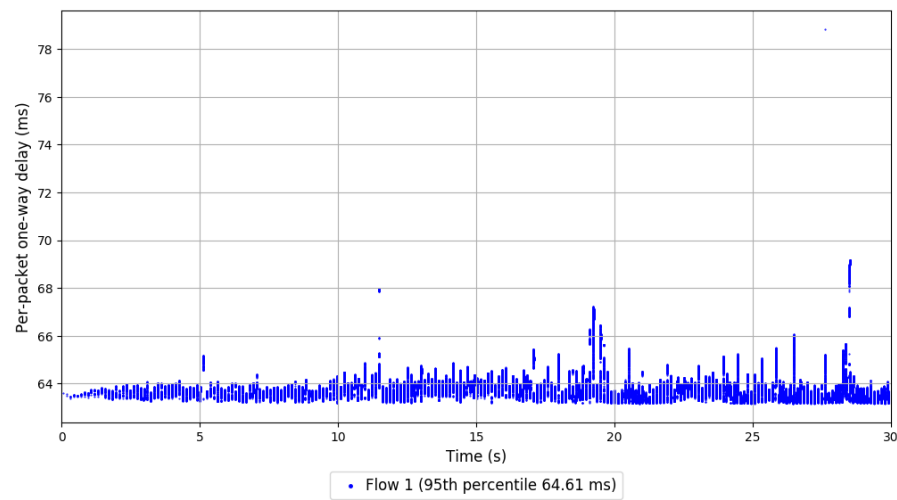
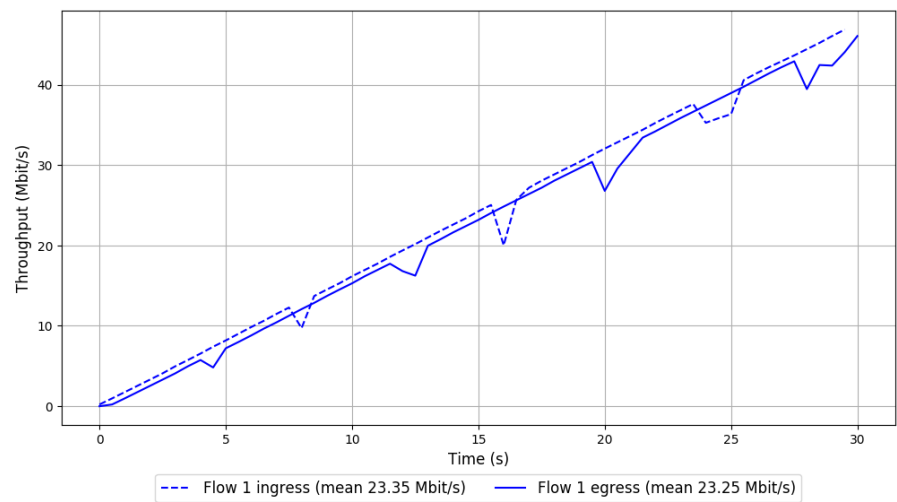


Run 3: Statistics of LEDBAT

Start at: 2019-03-19 05:44:47
End at: 2019-03-19 05:45:17
Local clock offset: -0.039 ms
Remote clock offset: -0.189 ms

Below is generated by plot.py at 2019-03-19 08:15:17
Datalink statistics
-- Total of 1 flow:
Average throughput: 23.25 Mbit/s
95th percentile per-packet one-way delay: 64.609 ms
Loss rate: 0.84%
-- Flow 1:
Average throughput: 23.25 Mbit/s
95th percentile per-packet one-way delay: 64.609 ms
Loss rate: 0.84%

Run 3: Report of LEDBAT — Data Link

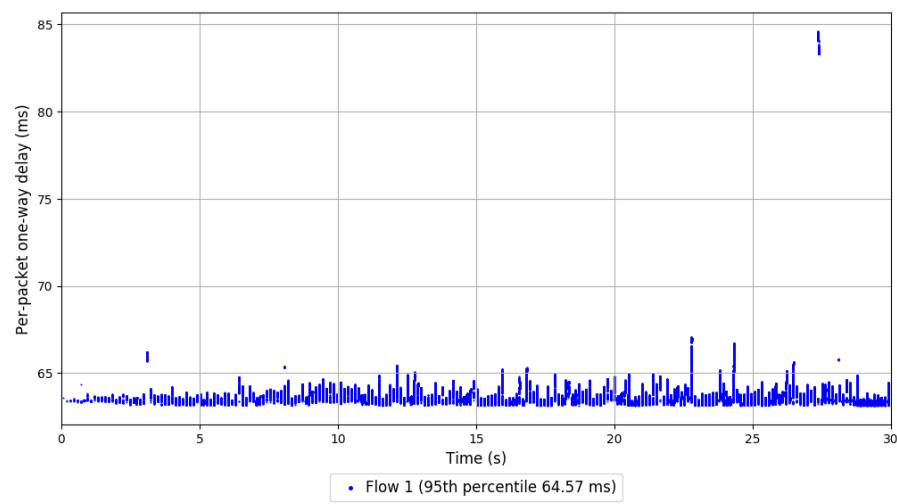
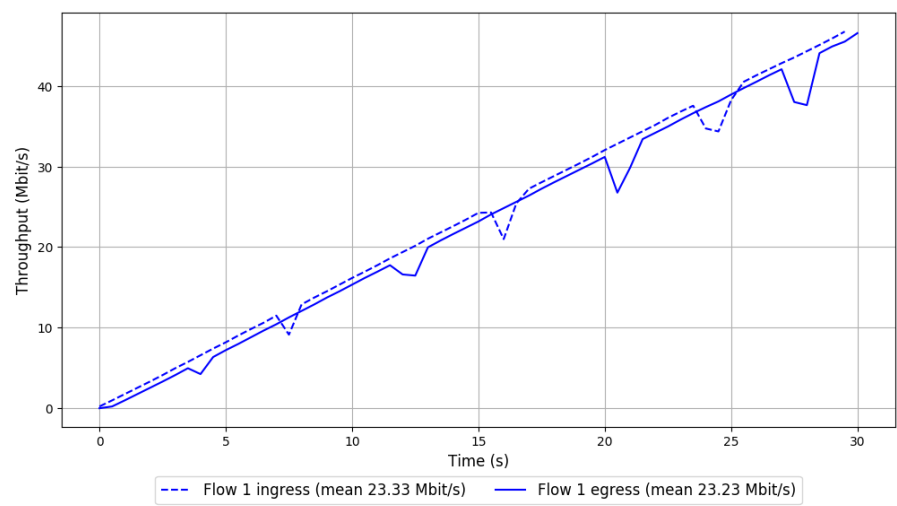


Run 4: Statistics of LEDBAT

Start at: 2019-03-19 06:15:55
End at: 2019-03-19 06:16:25
Local clock offset: -0.019 ms
Remote clock offset: -0.144 ms

Below is generated by plot.py at 2019-03-19 08:15:17
Datalink statistics
-- Total of 1 flow:
Average throughput: 23.23 Mbit/s
95th percentile per-packet one-way delay: 64.574 ms
Loss rate: 0.84%
-- Flow 1:
Average throughput: 23.23 Mbit/s
95th percentile per-packet one-way delay: 64.574 ms
Loss rate: 0.84%

Run 4: Report of LEDBAT — Data Link

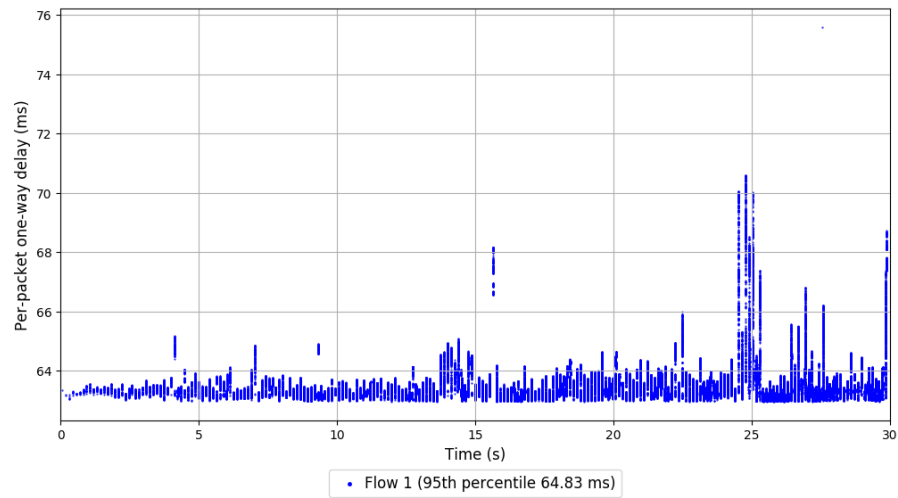
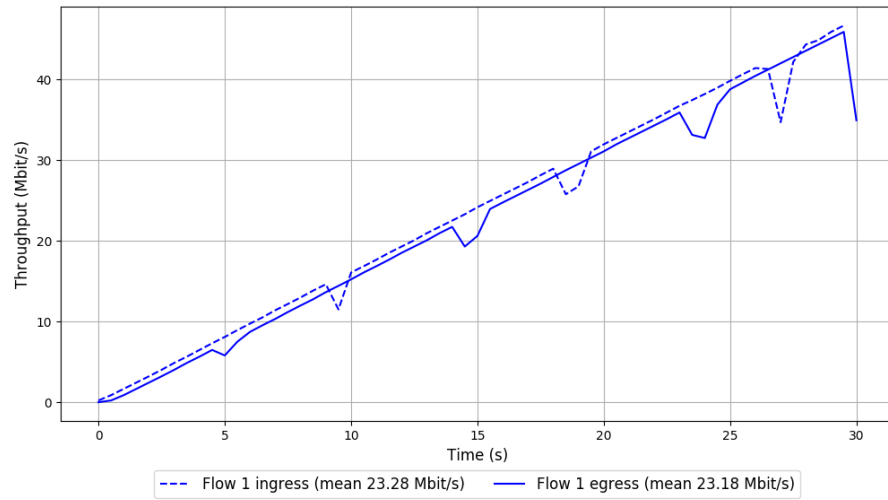


Run 5: Statistics of LEDBAT

Start at: 2019-03-19 06:46:58
End at: 2019-03-19 06:47:28
Local clock offset: -0.127 ms
Remote clock offset: -0.164 ms

Below is generated by plot.py at 2019-03-19 08:15:17
Datalink statistics
-- Total of 1 flow:
Average throughput: 23.18 Mbit/s
95th percentile per-packet one-way delay: 64.826 ms
Loss rate: 0.84%
-- Flow 1:
Average throughput: 23.18 Mbit/s
95th percentile per-packet one-way delay: 64.826 ms
Loss rate: 0.84%

Run 5: Report of LEDBAT — Data Link

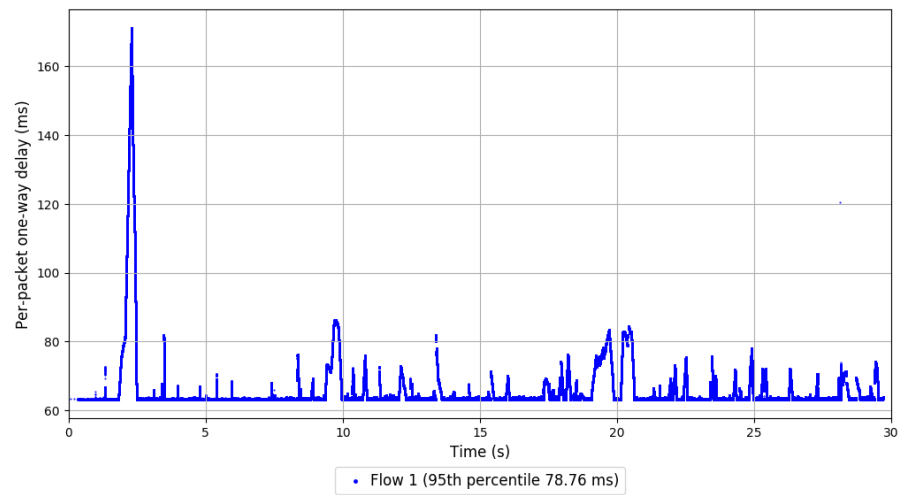
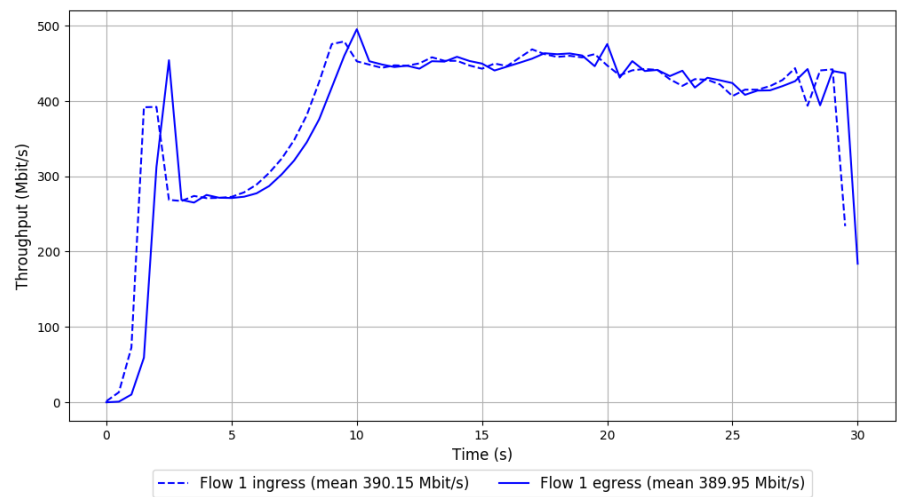


```
Run 1: Statistics of PCC-Allegro

Start at: 2019-03-19 04:21:04
End at: 2019-03-19 04:21:34
Local clock offset: -0.062 ms
Remote clock offset: -0.336 ms

# Below is generated by plot.py at 2019-03-19 08:19:56
# Datalink statistics
-- Total of 1 flow:
Average throughput: 389.95 Mbit/s
95th percentile per-packet one-way delay: 78.763 ms
Loss rate: 0.48%
-- Flow 1:
Average throughput: 389.95 Mbit/s
95th percentile per-packet one-way delay: 78.763 ms
Loss rate: 0.48%
```

Run 1: Report of PCC-Allegro — Data Link



Run 2: Statistics of PCC-Allegro

Start at: 2019-03-19 04:51:52

End at: 2019-03-19 04:52:22

Local clock offset: -0.027 ms

Remote clock offset: -0.19 ms

Below is generated by plot.py at 2019-03-19 08:20:28

Datalink statistics

-- Total of 1 flow:

Average throughput: 398.59 Mbit/s

95th percentile per-packet one-way delay: 122.760 ms

Loss rate: 0.58%

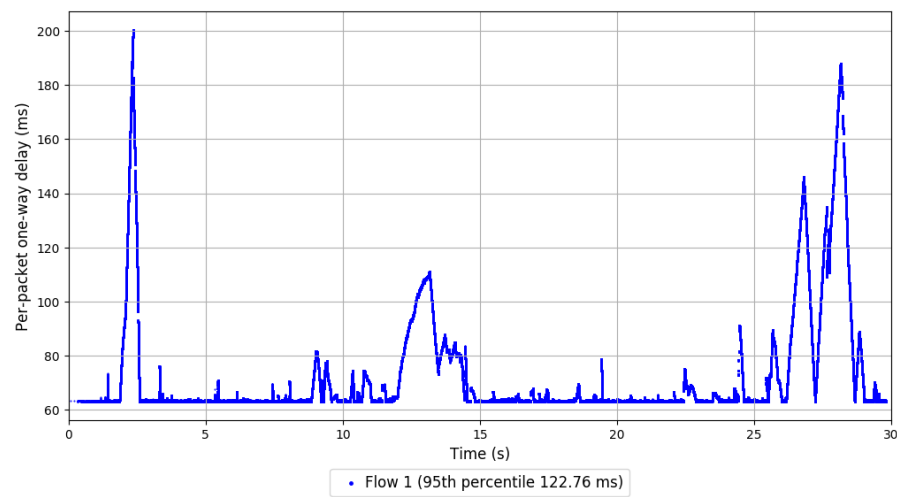
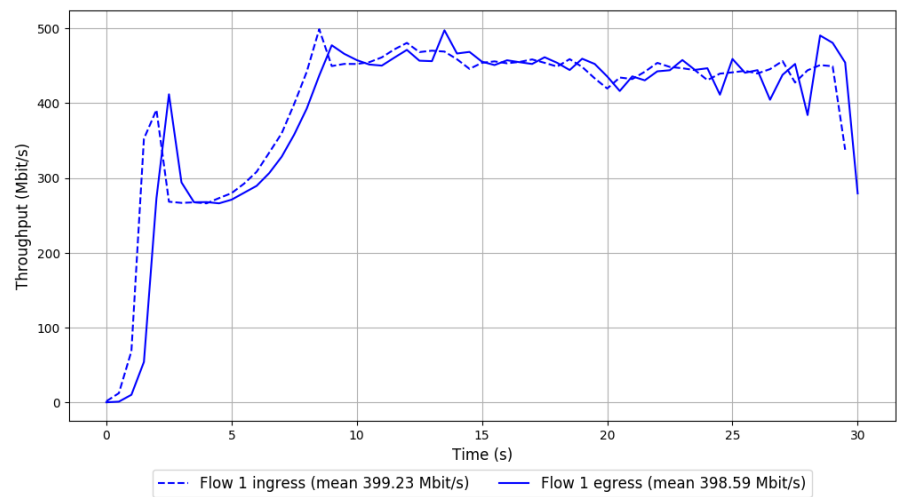
-- Flow 1:

Average throughput: 398.59 Mbit/s

95th percentile per-packet one-way delay: 122.760 ms

Loss rate: 0.58%

Run 2: Report of PCC-Allegro — Data Link

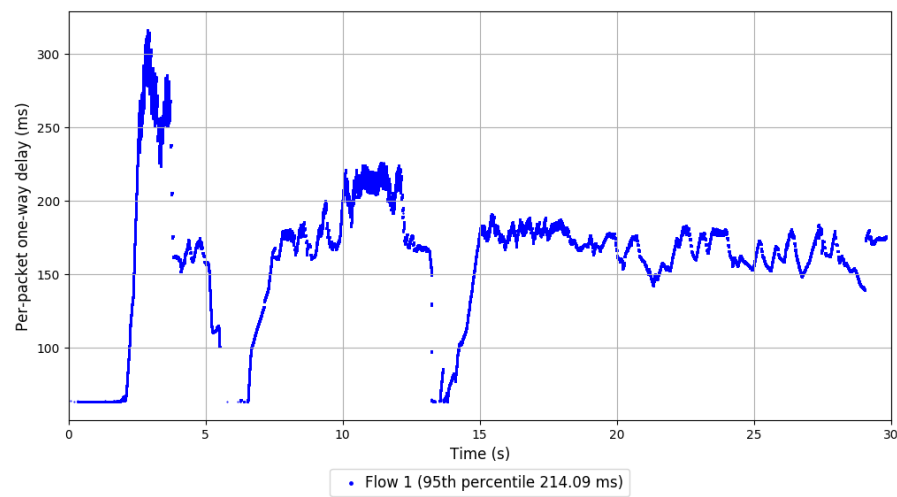
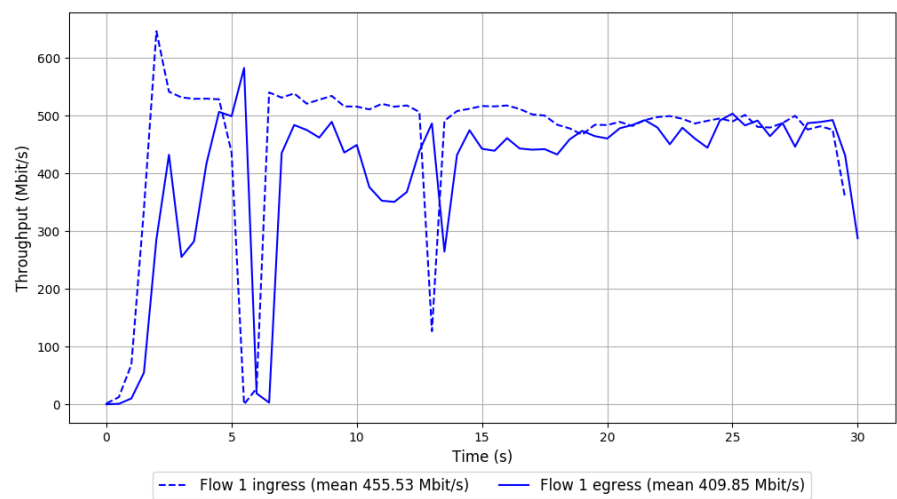


Run 3: Statistics of PCC-Allegro

Start at: 2019-03-19 05:22:51
End at: 2019-03-19 05:23:21
Local clock offset: -0.009 ms
Remote clock offset: -0.615 ms

Below is generated by plot.py at 2019-03-19 08:23:50
Datalink statistics
-- Total of 1 flow:
Average throughput: 409.85 Mbit/s
95th percentile per-packet one-way delay: 214.092 ms
Loss rate: 10.41%
-- Flow 1:
Average throughput: 409.85 Mbit/s
95th percentile per-packet one-way delay: 214.092 ms
Loss rate: 10.41%

Run 3: Report of PCC-Allegro — Data Link

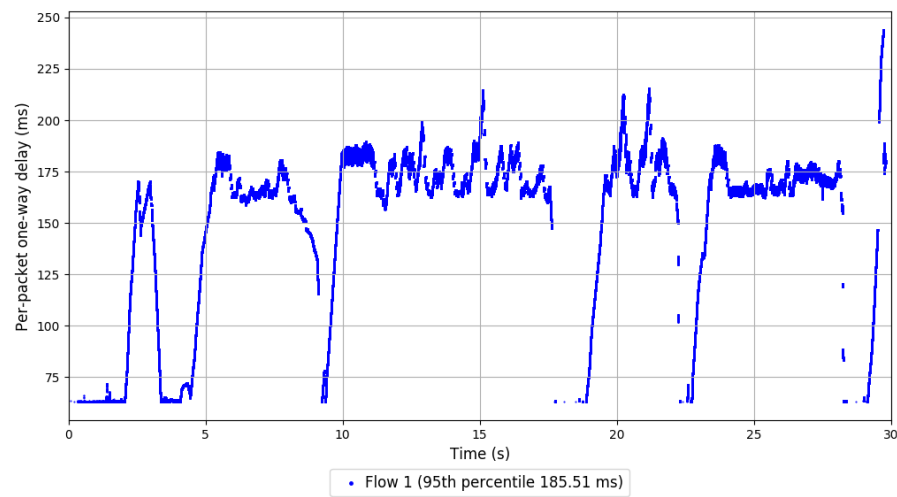
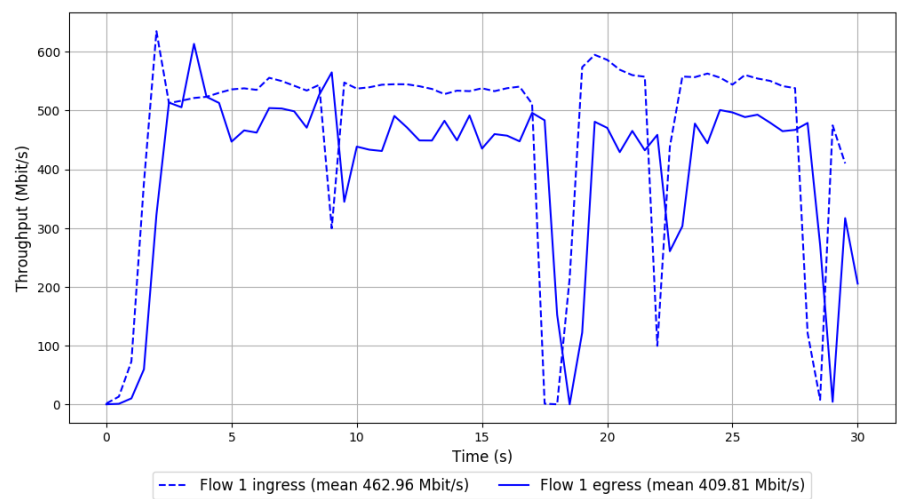


Run 4: Statistics of PCC-Allegro

Start at: 2019-03-19 05:53:45
End at: 2019-03-19 05:54:15
Local clock offset: -0.033 ms
Remote clock offset: -0.143 ms

Below is generated by plot.py at 2019-03-19 08:26:05
Datalink statistics
-- Total of 1 flow:
Average throughput: 409.81 Mbit/s
95th percentile per-packet one-way delay: 185.512 ms
Loss rate: 11.86%
-- Flow 1:
Average throughput: 409.81 Mbit/s
95th percentile per-packet one-way delay: 185.512 ms
Loss rate: 11.86%

Run 4: Report of PCC-Allegro — Data Link

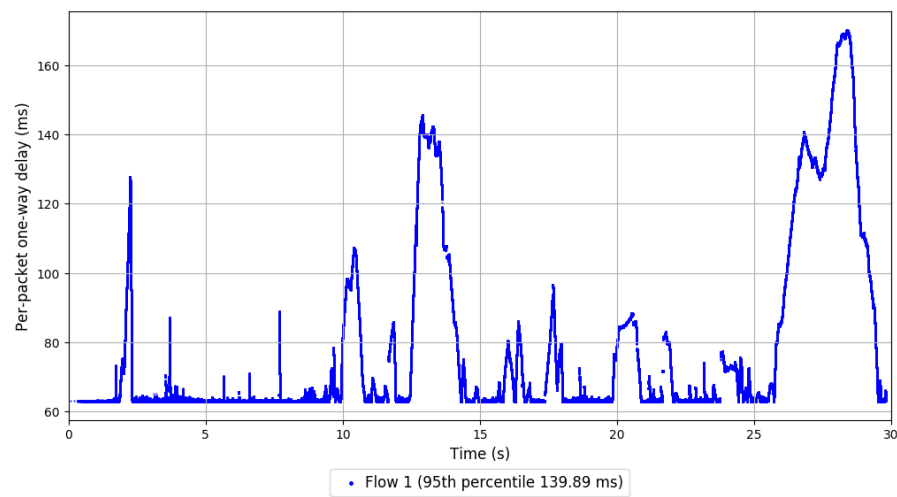
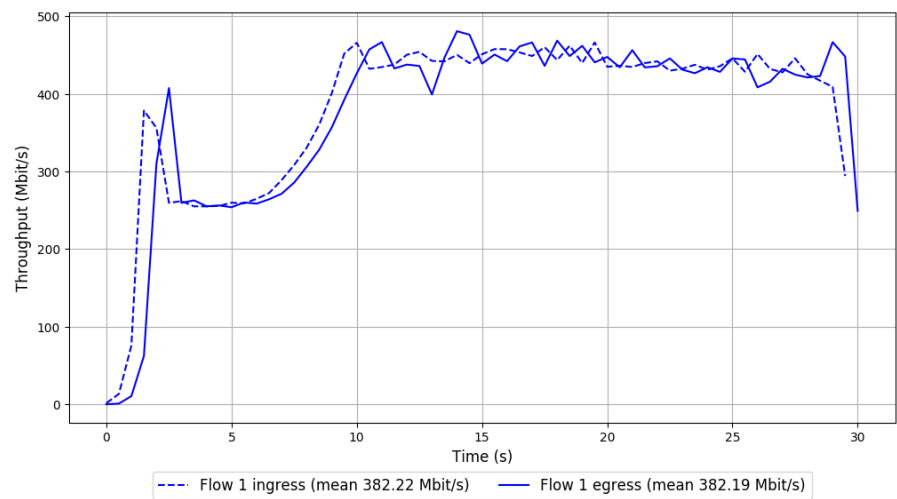


Run 5: Statistics of PCC-Allegro

Start at: 2019-03-19 06:24:59
End at: 2019-03-19 06:25:29
Local clock offset: -0.073 ms
Remote clock offset: -0.318 ms

Below is generated by plot.py at 2019-03-19 08:26:36
Datalink statistics
-- Total of 1 flow:
Average throughput: 382.19 Mbit/s
95th percentile per-packet one-way delay: 139.889 ms
Loss rate: 0.43%
-- Flow 1:
Average throughput: 382.19 Mbit/s
95th percentile per-packet one-way delay: 139.889 ms
Loss rate: 0.43%

Run 5: Report of PCC-Allegro — Data Link

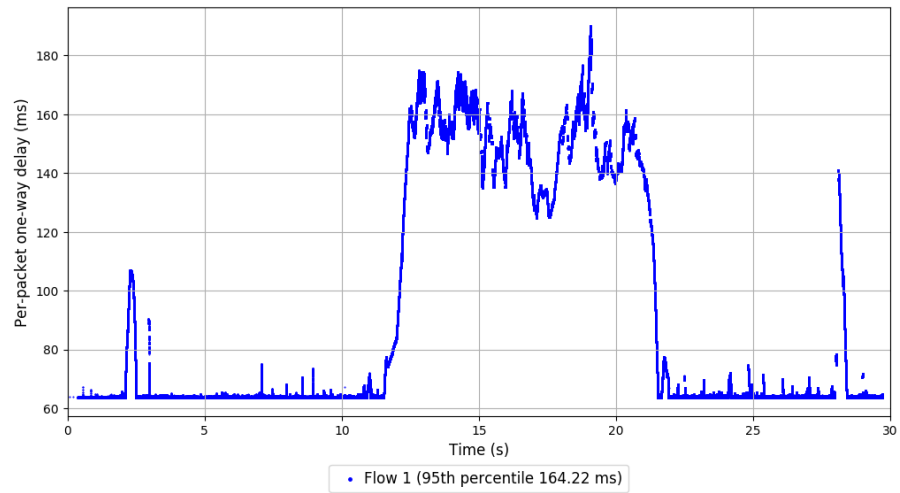
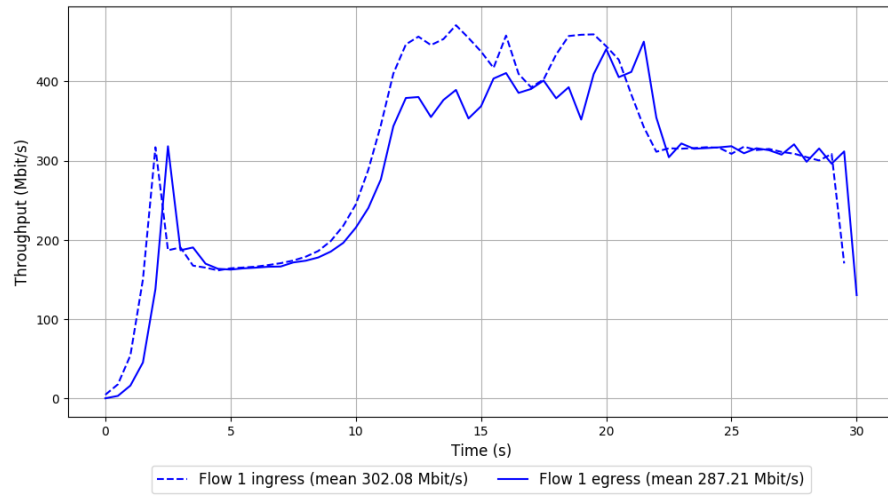


Run 1: Statistics of PCC-Expr

Start at: 2019-03-19 04:17:45
End at: 2019-03-19 04:18:15
Local clock offset: -0.057 ms
Remote clock offset: -0.314 ms

Below is generated by plot.py at 2019-03-19 08:26:36
Datalink statistics
-- Total of 1 flow:
Average throughput: 287.21 Mbit/s
95th percentile per-packet one-way delay: 164.223 ms
Loss rate: 5.33%
-- Flow 1:
Average throughput: 287.21 Mbit/s
95th percentile per-packet one-way delay: 164.223 ms
Loss rate: 5.33%

Run 1: Report of PCC-Expr — Data Link

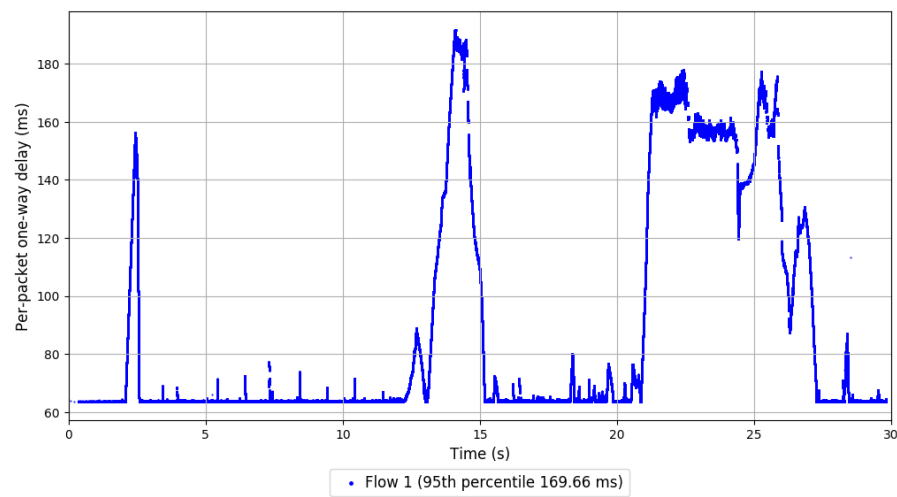
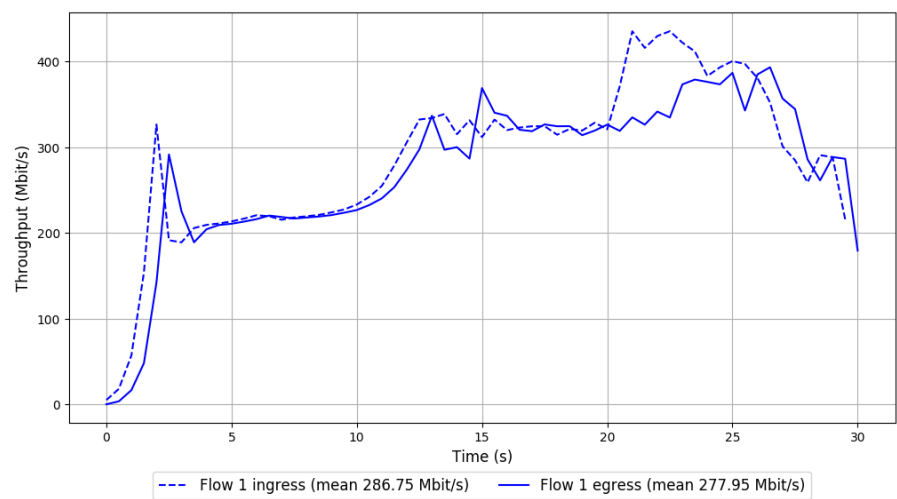


Run 2: Statistics of PCC-Expr

Start at: 2019-03-19 04:48:31
End at: 2019-03-19 04:49:01
Local clock offset: -0.035 ms
Remote clock offset: -0.466 ms

Below is generated by plot.py at 2019-03-19 08:26:36
Datalink statistics
-- Total of 1 flow:
Average throughput: 277.95 Mbit/s
95th percentile per-packet one-way delay: 169.655 ms
Loss rate: 3.48%
-- Flow 1:
Average throughput: 277.95 Mbit/s
95th percentile per-packet one-way delay: 169.655 ms
Loss rate: 3.48%

Run 2: Report of PCC-Expr — Data Link

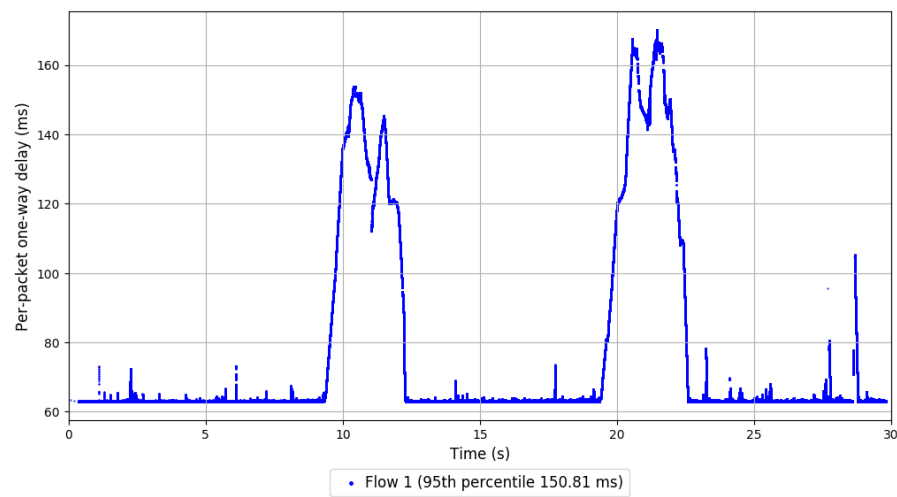
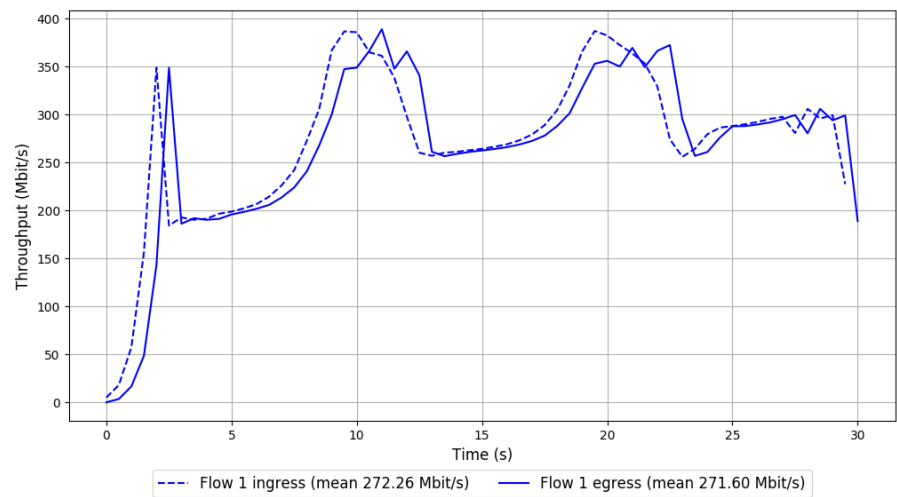


Run 3: Statistics of PCC-Expr

Start at: 2019-03-19 05:19:34
End at: 2019-03-19 05:20:04
Local clock offset: 0.003 ms
Remote clock offset: -0.131 ms

Below is generated by plot.py at 2019-03-19 08:26:36
Datalink statistics
-- Total of 1 flow:
Average throughput: 271.60 Mbit/s
95th percentile per-packet one-way delay: 150.809 ms
Loss rate: 0.67%
-- Flow 1:
Average throughput: 271.60 Mbit/s
95th percentile per-packet one-way delay: 150.809 ms
Loss rate: 0.67%

Run 3: Report of PCC-Expr — Data Link



Run 4: Statistics of PCC-Expr

Start at: 2019-03-19 05:50:25

End at: 2019-03-19 05:50:55

Local clock offset: -0.046 ms

Remote clock offset: 0.724 ms

Below is generated by plot.py at 2019-03-19 08:30:00

Datalink statistics

-- Total of 1 flow:

Average throughput: 286.29 Mbit/s

95th percentile per-packet one-way delay: 90.011 ms

Loss rate: 0.81%

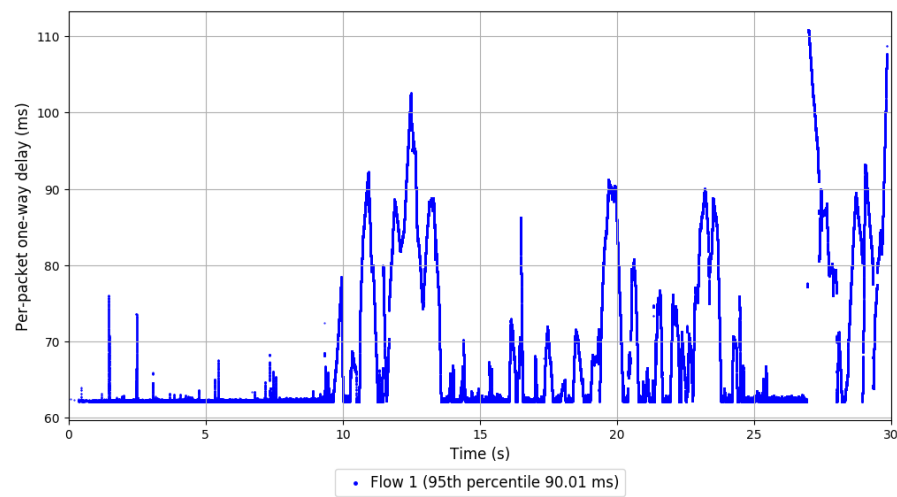
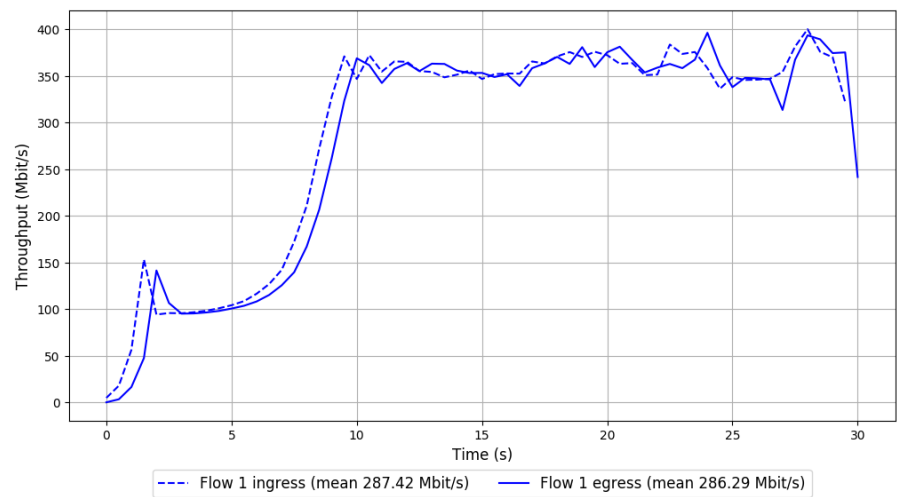
-- Flow 1:

Average throughput: 286.29 Mbit/s

95th percentile per-packet one-way delay: 90.011 ms

Loss rate: 0.81%

Run 4: Report of PCC-Expr — Data Link



Run 5: Statistics of PCC-Expr

Start at: 2019-03-19 06:21:36

End at: 2019-03-19 06:22:06

Local clock offset: -0.036 ms

Remote clock offset: 0.088 ms

Below is generated by plot.py at 2019-03-19 08:33:27

Datalink statistics

-- Total of 1 flow:

Average throughput: 331.67 Mbit/s

95th percentile per-packet one-way delay: 167.691 ms

Loss rate: 4.01%

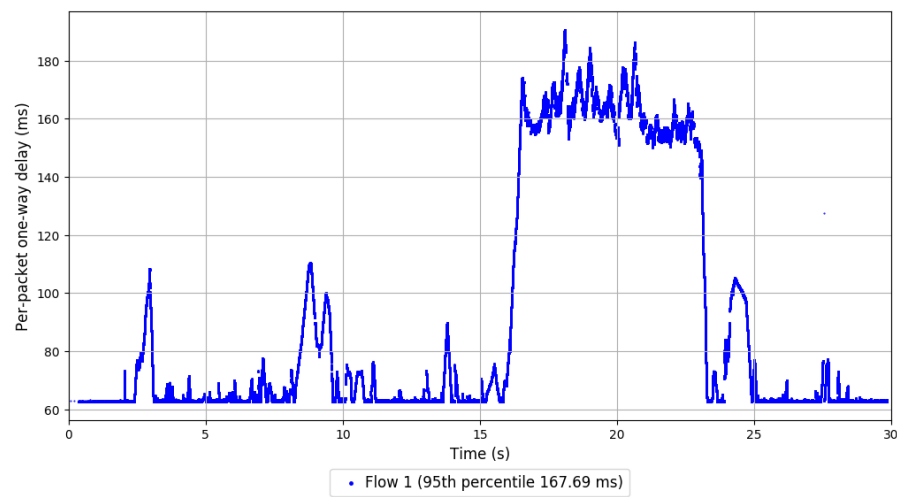
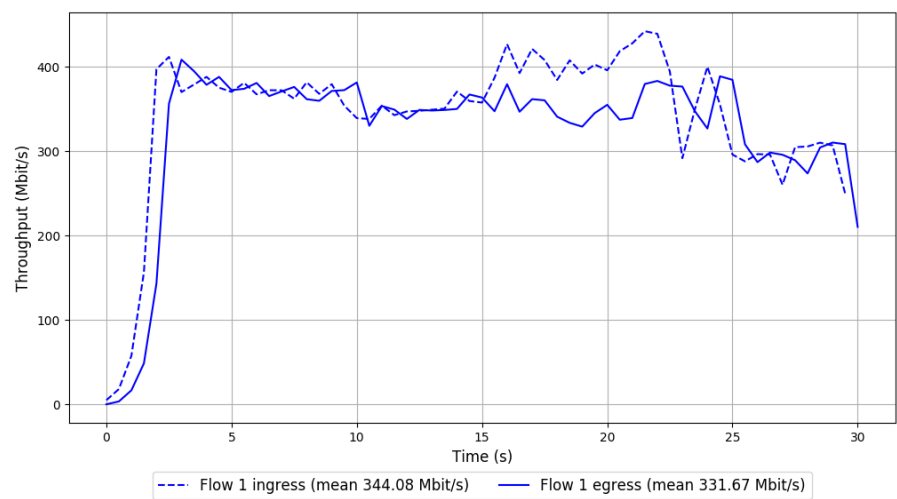
-- Flow 1:

Average throughput: 331.67 Mbit/s

95th percentile per-packet one-way delay: 167.691 ms

Loss rate: 4.01%

Run 5: Report of PCC-Expr — Data Link



Run 1: Statistics of QUIC Cubic

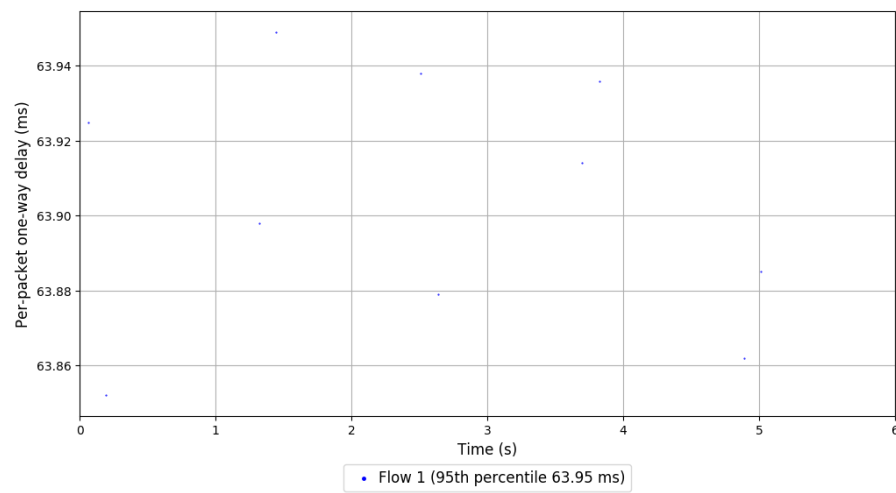
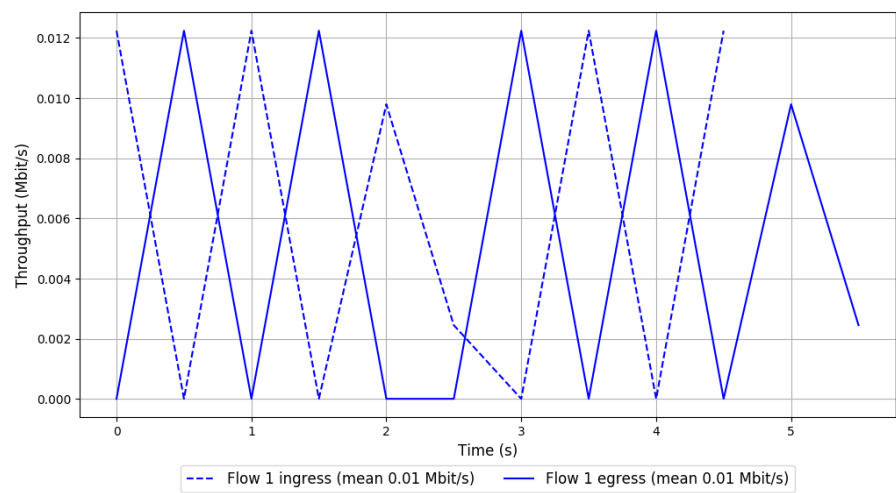
Start at: 2019-03-19 04:35:57

End at: 2019-03-19 04:36:27

Local clock offset: -0.073 ms

Remote clock offset: -0.874 ms

Run 1: Report of QUIC Cubic — Data Link



Run 2: Statistics of QUIC Cubic

Start at: 2019-03-19 05:07:01

End at: 2019-03-19 05:07:31

Local clock offset: -0.01 ms

Remote clock offset: -0.165 ms

Below is generated by plot.py at 2019-03-19 08:33:27

Datalink statistics

-- Total of 1 flow:

Average throughput: 79.45 Mbit/s

95th percentile per-packet one-way delay: 63.166 ms

Loss rate: 0.00%

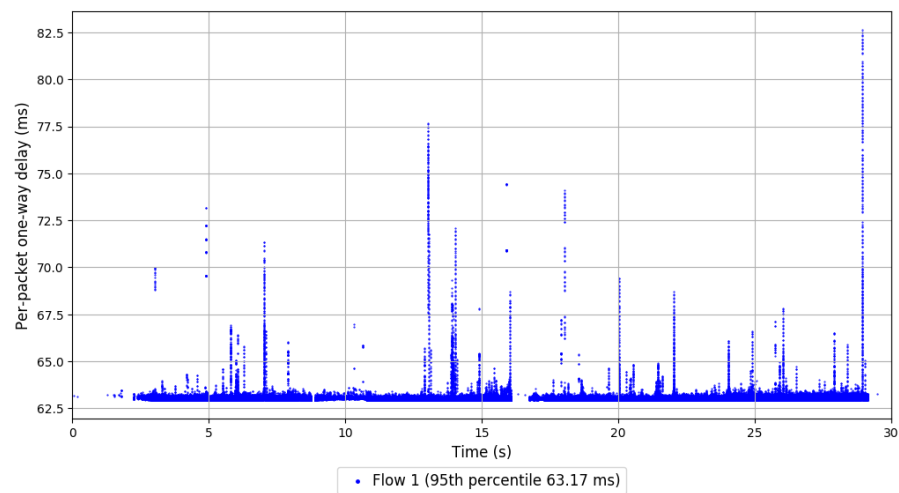
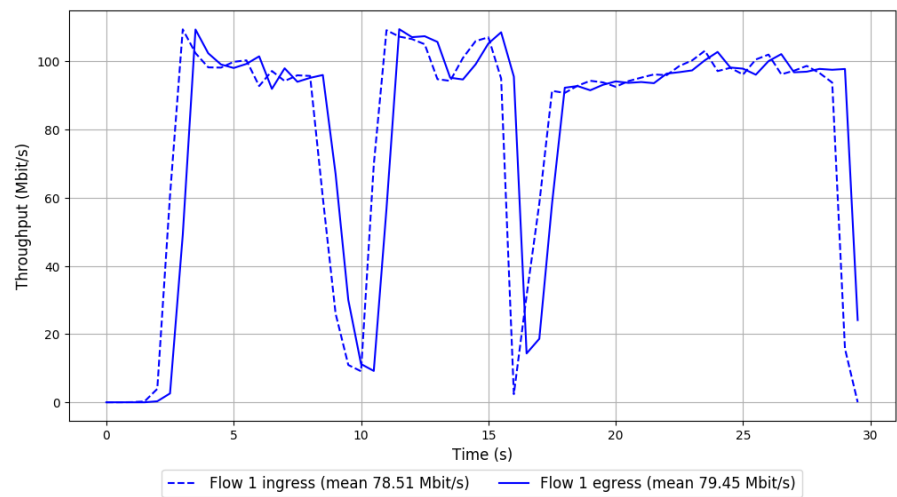
-- Flow 1:

Average throughput: 79.45 Mbit/s

95th percentile per-packet one-way delay: 63.166 ms

Loss rate: 0.00%

Run 2: Report of QUIC Cubic — Data Link



Run 3: Statistics of QUIC Cubic

Start at: 2019-03-19 05:37:57

End at: 2019-03-19 05:38:27

Local clock offset: -0.019 ms

Remote clock offset: 0.055 ms

Below is generated by plot.py at 2019-03-19 08:33:27

Datalink statistics

-- Total of 1 flow:

Average throughput: 67.70 Mbit/s

95th percentile per-packet one-way delay: 62.720 ms

Loss rate: 0.65%

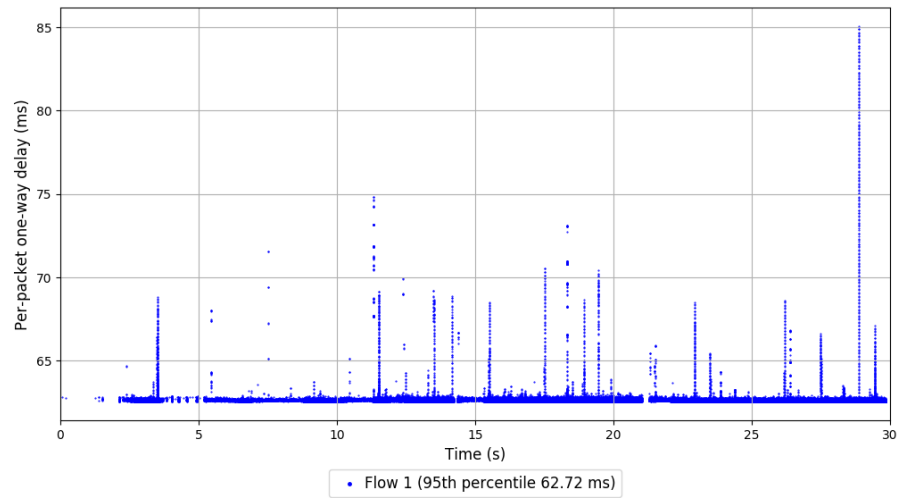
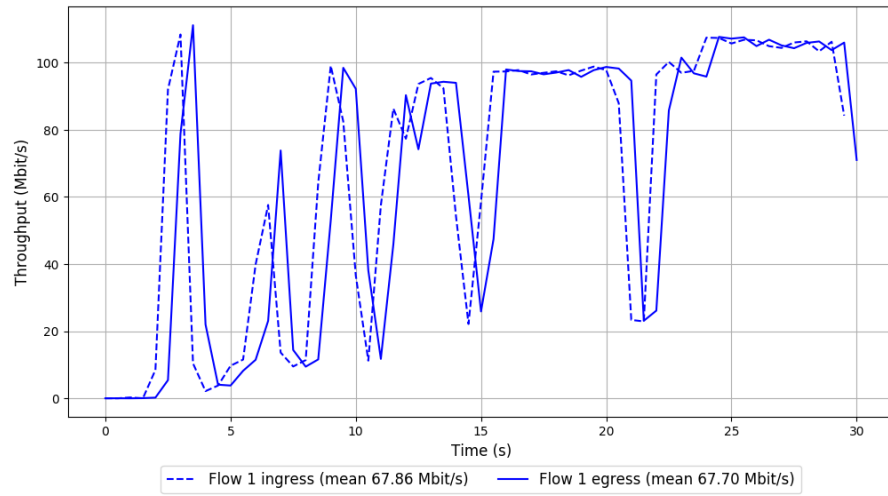
-- Flow 1:

Average throughput: 67.70 Mbit/s

95th percentile per-packet one-way delay: 62.720 ms

Loss rate: 0.65%

Run 3: Report of QUIC Cubic — Data Link



Run 4: Statistics of QUIC Cubic

Start at: 2019-03-19 06:09:03

End at: 2019-03-19 06:09:33

Local clock offset: -0.031 ms

Remote clock offset: -0.136 ms

Below is generated by plot.py at 2019-03-19 08:33:27

Datalink statistics

-- Total of 1 flow:

Average throughput: 63.82 Mbit/s

95th percentile per-packet one-way delay: 63.160 ms

Loss rate: 0.71%

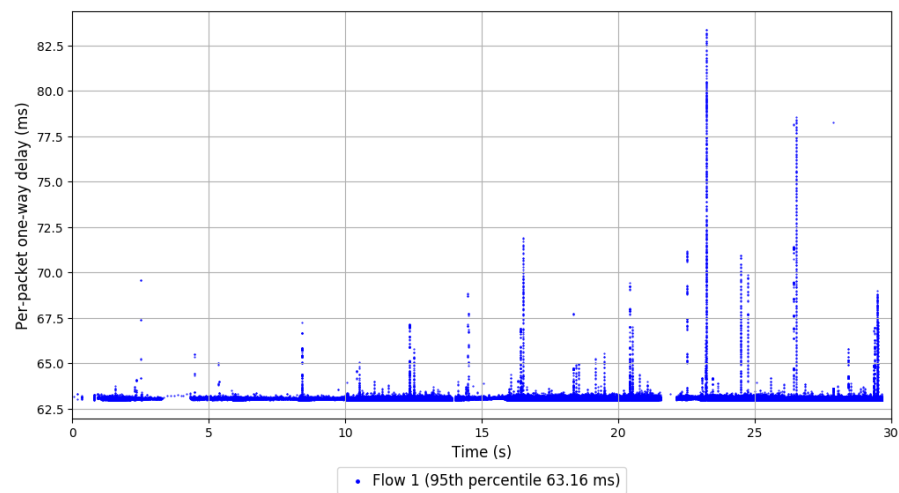
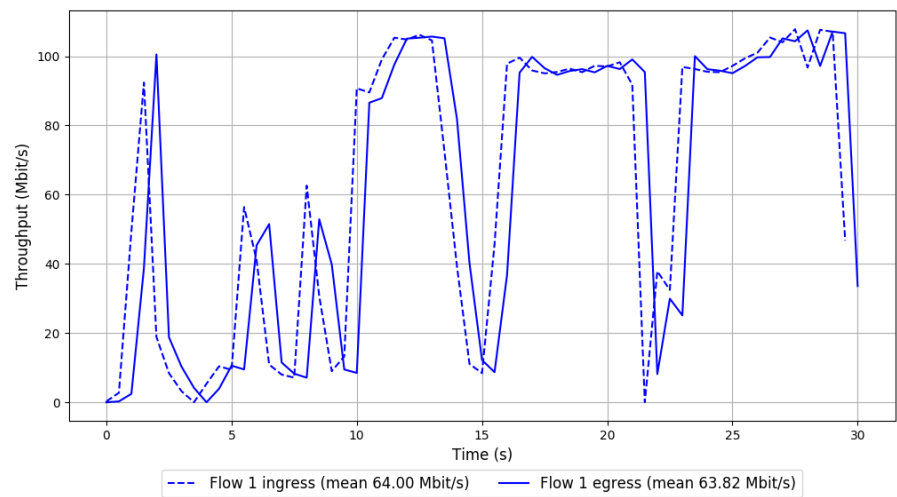
-- Flow 1:

Average throughput: 63.82 Mbit/s

95th percentile per-packet one-way delay: 63.160 ms

Loss rate: 0.71%

Run 4: Report of QUIC Cubic — Data Link



Run 5: Statistics of QUIC Cubic

Start at: 2019-03-19 06:40:09

End at: 2019-03-19 06:40:39

Local clock offset: -0.095 ms

Remote clock offset: -0.19 ms

Below is generated by plot.py at 2019-03-19 08:33:28

Datalink statistics

-- Total of 1 flow:

Average throughput: 66.13 Mbit/s

95th percentile per-packet one-way delay: 63.229 ms

Loss rate: 0.70%

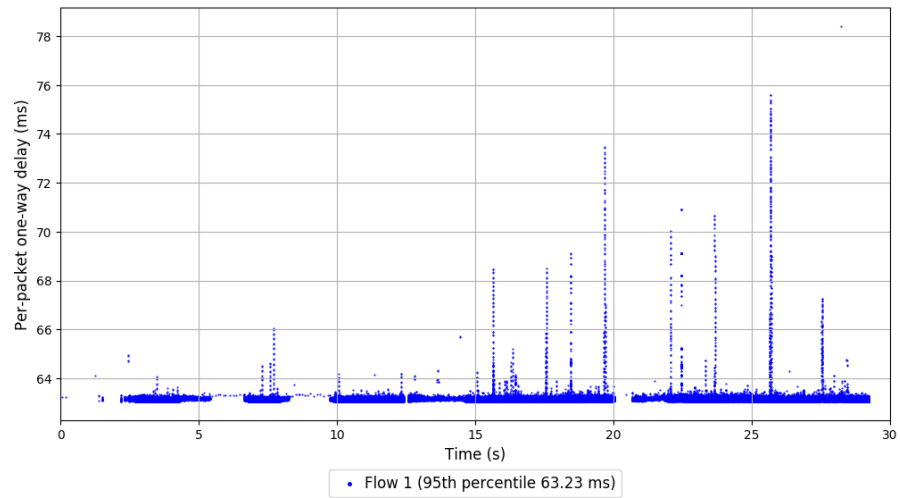
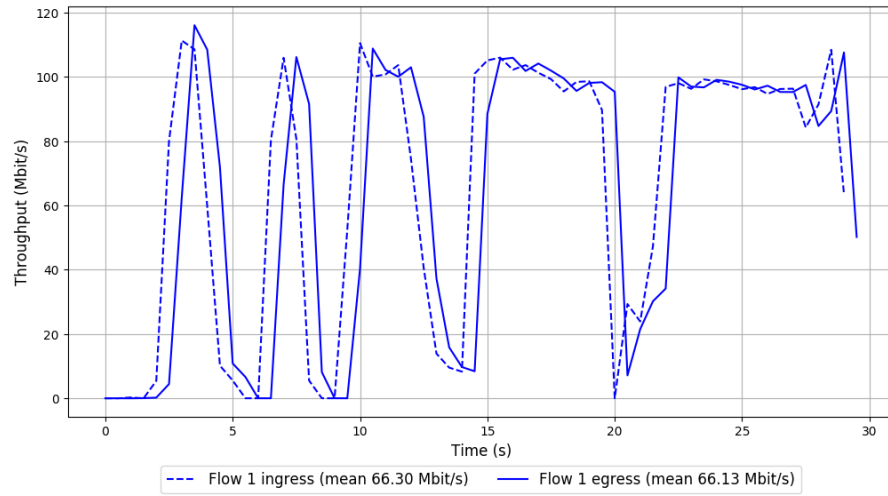
-- Flow 1:

Average throughput: 66.13 Mbit/s

95th percentile per-packet one-way delay: 63.229 ms

Loss rate: 0.70%

Run 5: Report of QUIC Cubic — Data Link

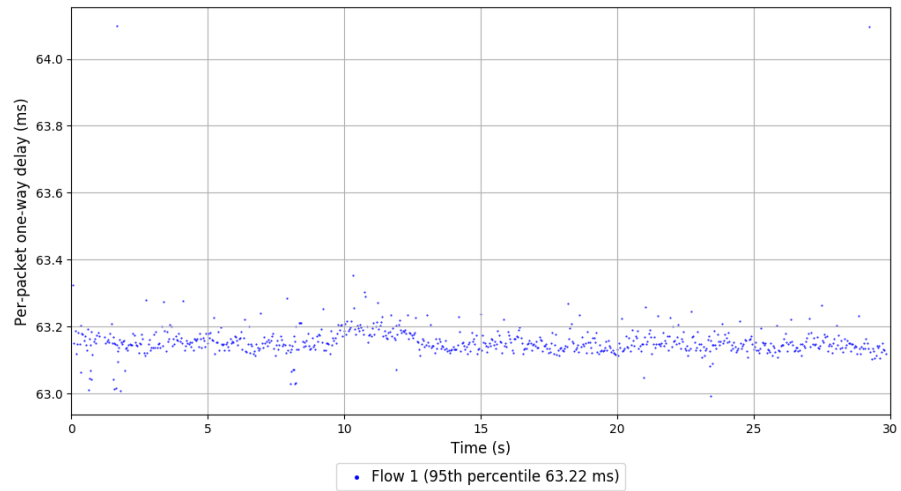
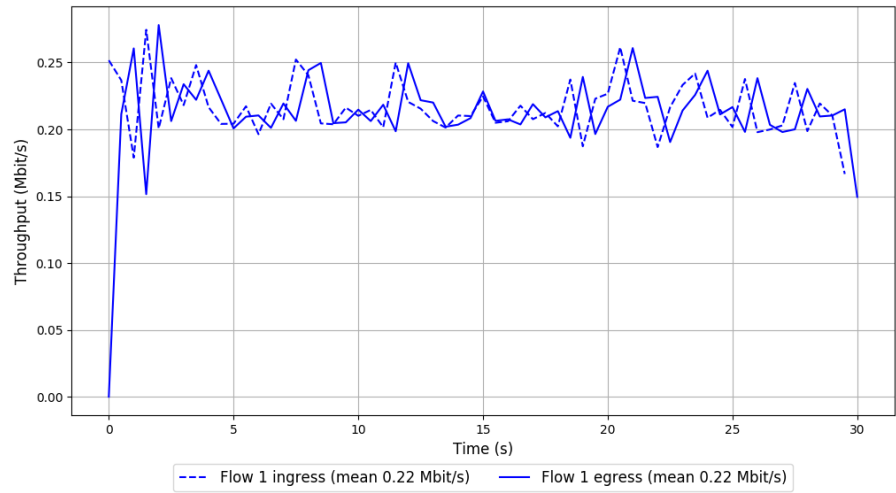


Run 1: Statistics of SCReAM

Start at: 2019-03-19 04:22:37
End at: 2019-03-19 04:23:07
Local clock offset: -0.041 ms
Remote clock offset: -0.313 ms

Below is generated by plot.py at 2019-03-19 08:33:28
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 63.215 ms
Loss rate: 0.38%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 63.215 ms
Loss rate: 0.38%

Run 1: Report of SReAM — Data Link

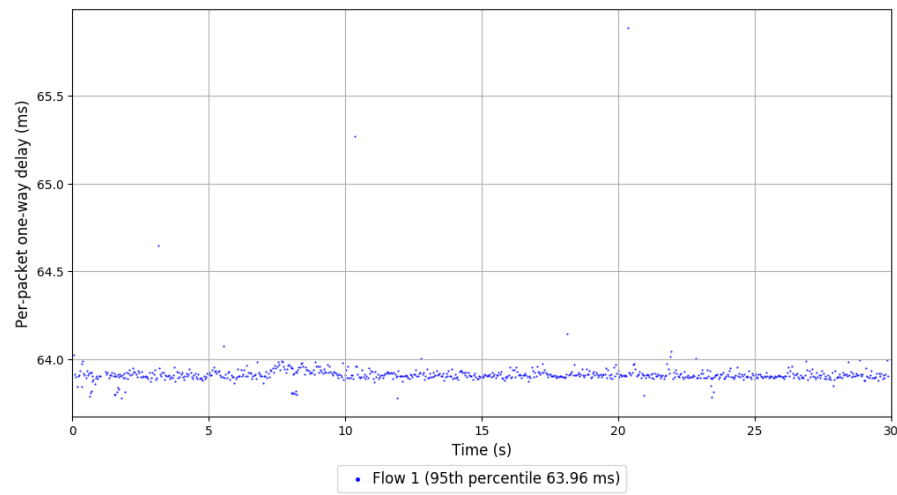
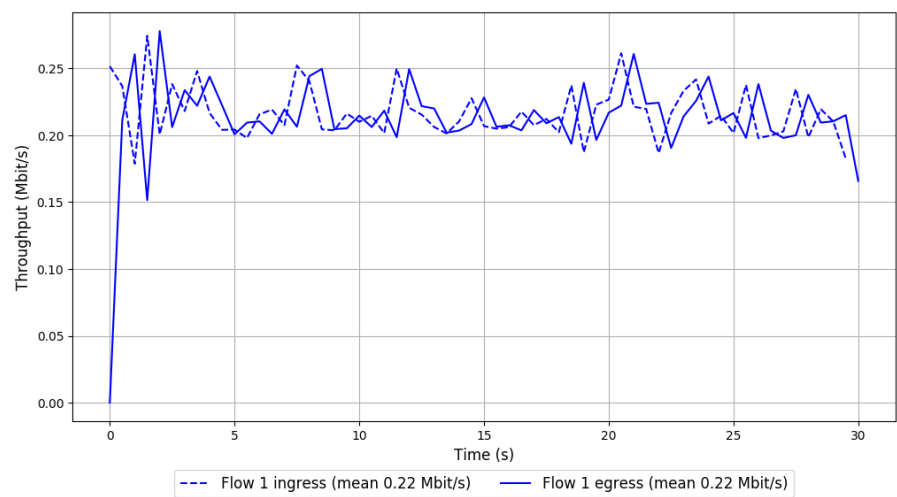


Run 2: Statistics of SCReAM

Start at: 2019-03-19 04:53:26
End at: 2019-03-19 04:53:56
Local clock offset: -0.026 ms
Remote clock offset: -0.688 ms

Below is generated by plot.py at 2019-03-19 08:33:28
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 63.962 ms
Loss rate: 0.38%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 63.962 ms
Loss rate: 0.38%

Run 2: Report of SReAM — Data Link

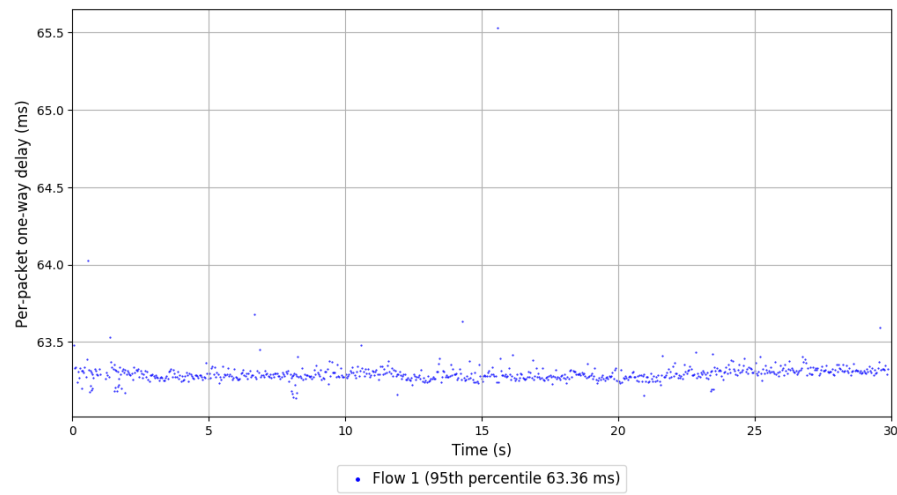
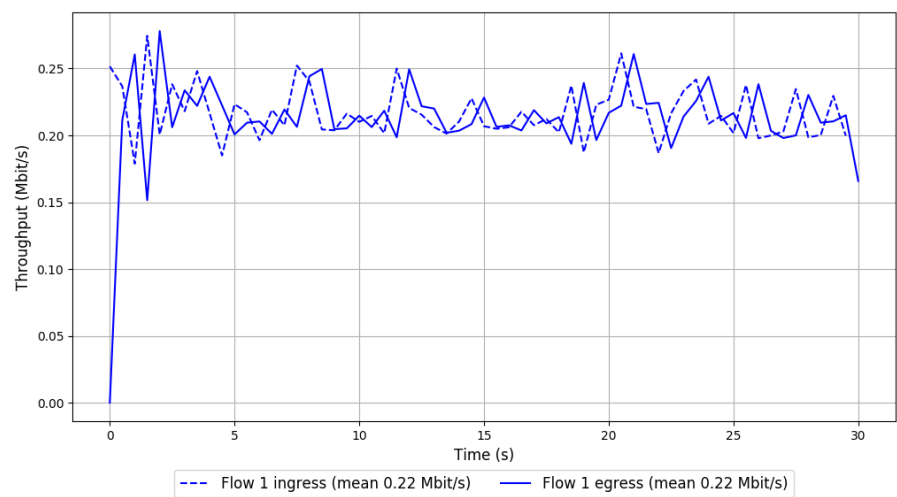


Run 3: Statistics of SCReAM

Start at: 2019-03-19 05:24:27
End at: 2019-03-19 05:24:57
Local clock offset: -0.014 ms
Remote clock offset: -0.028 ms

Below is generated by plot.py at 2019-03-19 08:33:28
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 63.361 ms
Loss rate: 0.51%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 63.361 ms
Loss rate: 0.51%

Run 3: Report of SReAM — Data Link

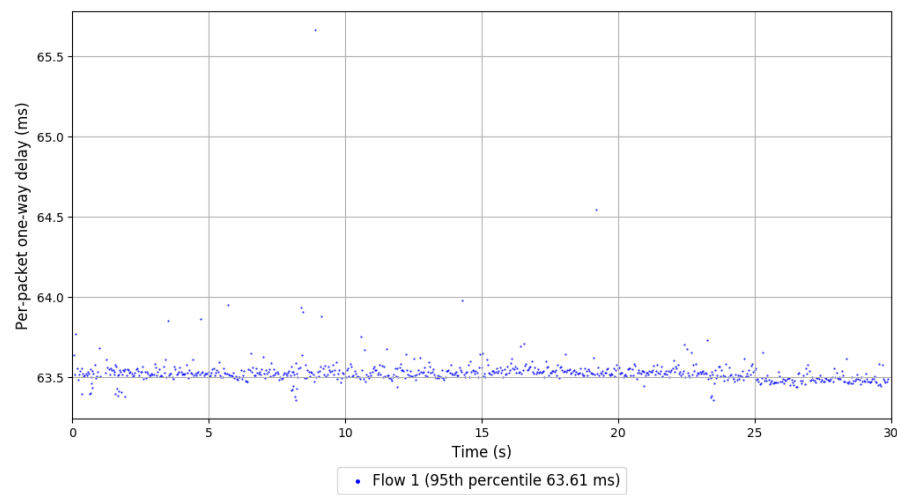
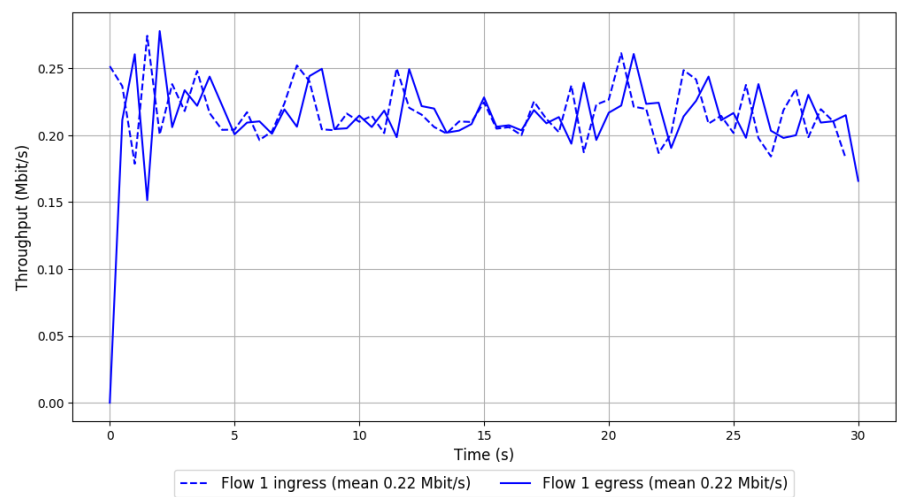


Run 4: Statistics of SCReAM

Start at: 2019-03-19 05:55:22
End at: 2019-03-19 05:55:52
Local clock offset: -0.049 ms
Remote clock offset: -0.224 ms

Below is generated by plot.py at 2019-03-19 08:33:28
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 63.609 ms
Loss rate: 0.38%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 63.609 ms
Loss rate: 0.38%

Run 4: Report of SReAM — Data Link



Run 5: Statistics of SCReAM

Start at: 2019-03-19 06:26:33

End at: 2019-03-19 06:27:03

Local clock offset: -0.074 ms

Remote clock offset: 0.092 ms

Below is generated by plot.py at 2019-03-19 08:33:28

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 63.514 ms

Loss rate: 0.51%

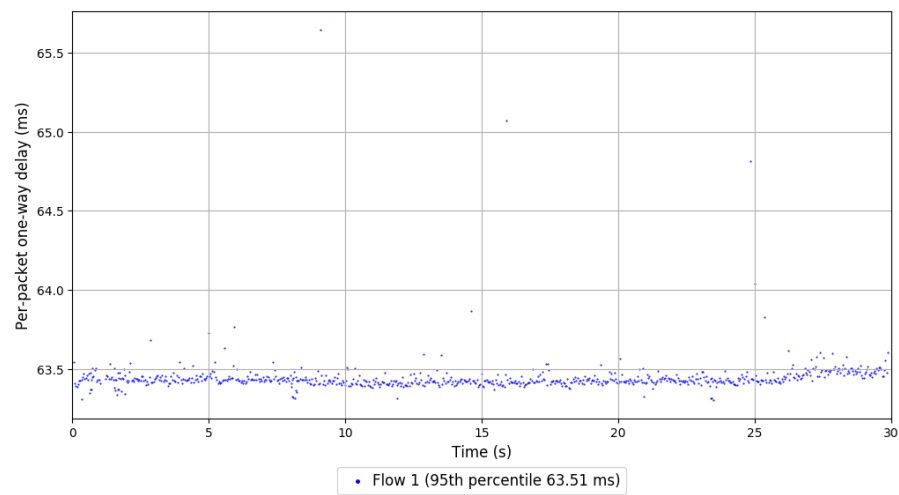
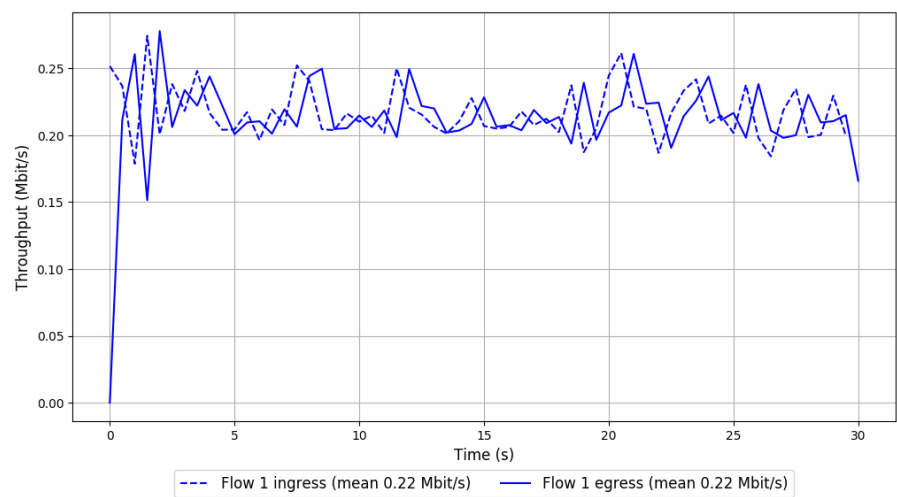
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 63.514 ms

Loss rate: 0.51%

Run 5: Report of SReAM — Data Link

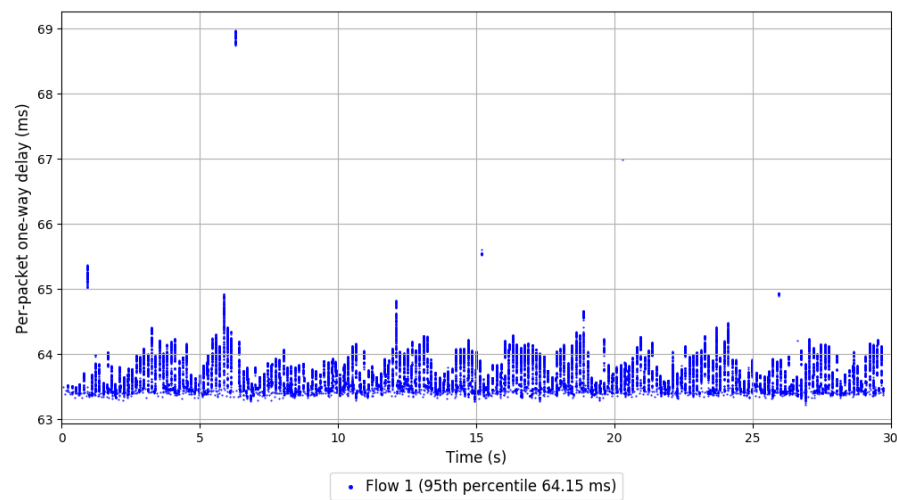
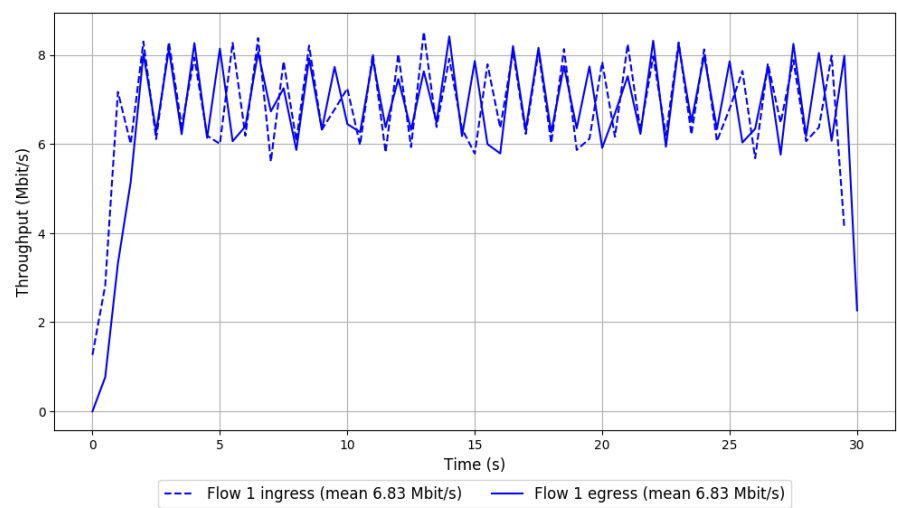


Run 1: Statistics of Sprout

Start at: 2019-03-19 04:26:40
End at: 2019-03-19 04:27:10
Local clock offset: -0.072 ms
Remote clock offset: -0.366 ms

Below is generated by plot.py at 2019-03-19 08:33:28
Datalink statistics
-- Total of 1 flow:
Average throughput: 6.83 Mbit/s
95th percentile per-packet one-way delay: 64.151 ms
Loss rate: 0.52%
-- Flow 1:
Average throughput: 6.83 Mbit/s
95th percentile per-packet one-way delay: 64.151 ms
Loss rate: 0.52%

Run 1: Report of Sprout — Data Link

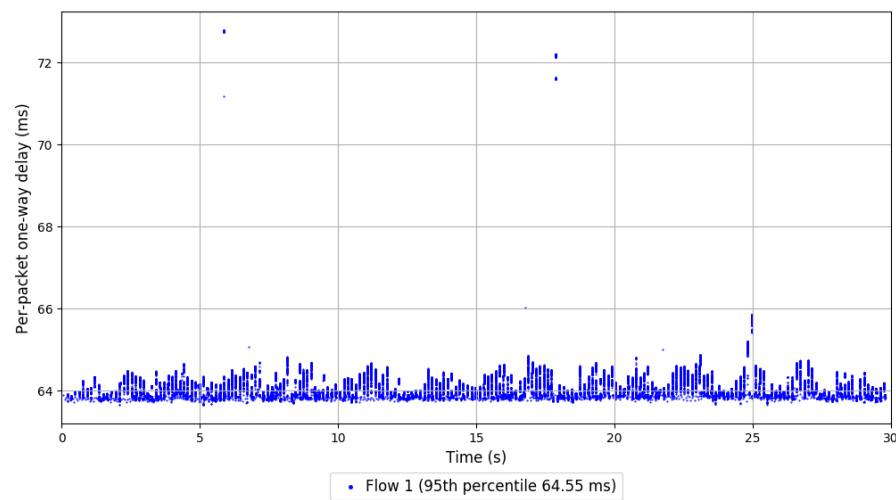
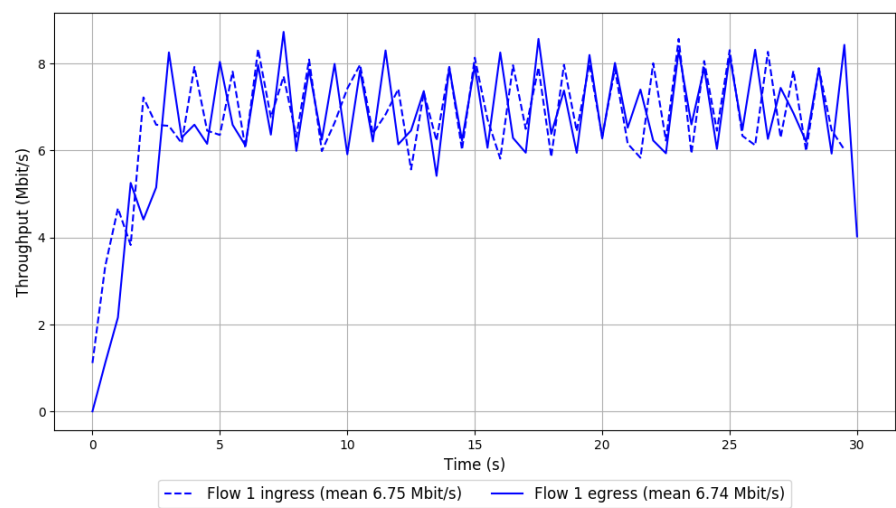


Run 2: Statistics of Sprout

Start at: 2019-03-19 04:57:41
End at: 2019-03-19 04:58:11
Local clock offset: -0.06 ms
Remote clock offset: -0.874 ms

Below is generated by plot.py at 2019-03-19 08:33:28
Datalink statistics
-- Total of 1 flow:
Average throughput: 6.74 Mbit/s
95th percentile per-packet one-way delay: 64.548 ms
Loss rate: 0.49%
-- Flow 1:
Average throughput: 6.74 Mbit/s
95th percentile per-packet one-way delay: 64.548 ms
Loss rate: 0.49%

Run 2: Report of Sprout — Data Link

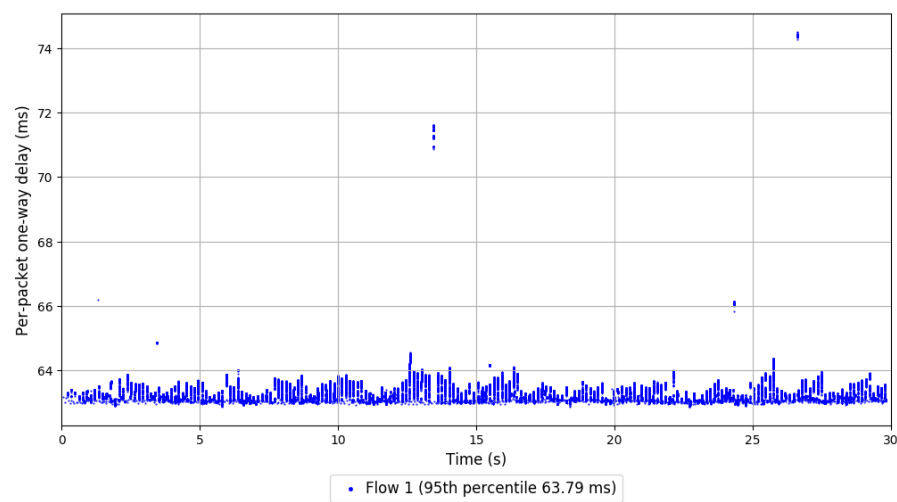
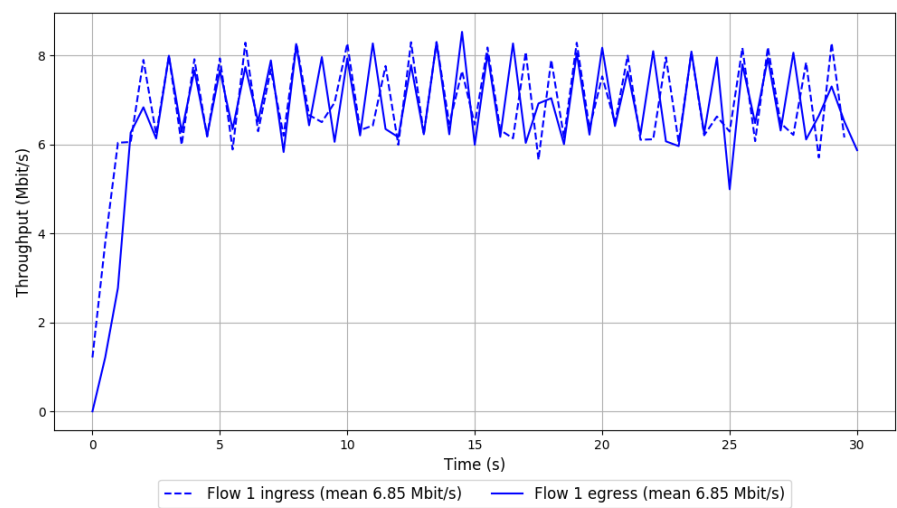


Run 3: Statistics of Sprout

Start at: 2019-03-19 05:28:44
End at: 2019-03-19 05:29:14
Local clock offset: -0.019 ms
Remote clock offset: -0.088 ms

Below is generated by plot.py at 2019-03-19 08:33:28
Datalink statistics
-- Total of 1 flow:
Average throughput: 6.85 Mbit/s
95th percentile per-packet one-way delay: 63.790 ms
Loss rate: 0.50%
-- Flow 1:
Average throughput: 6.85 Mbit/s
95th percentile per-packet one-way delay: 63.790 ms
Loss rate: 0.50%

Run 3: Report of Sprout — Data Link

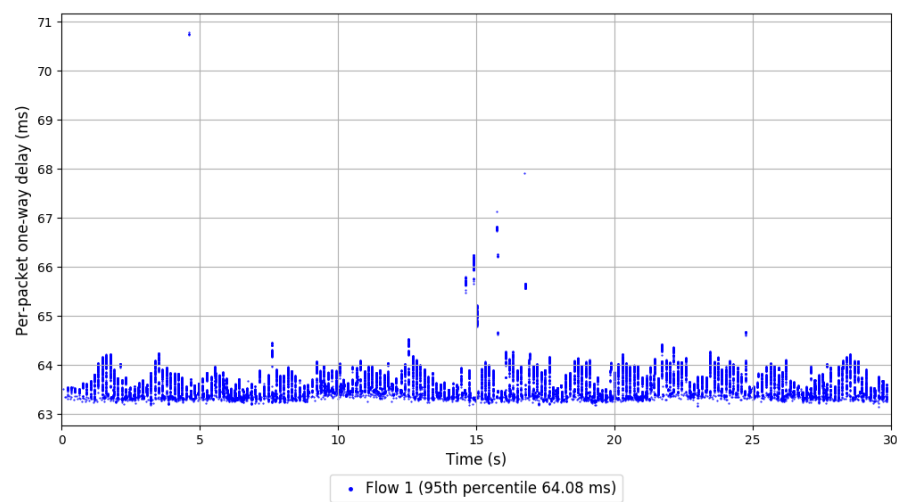
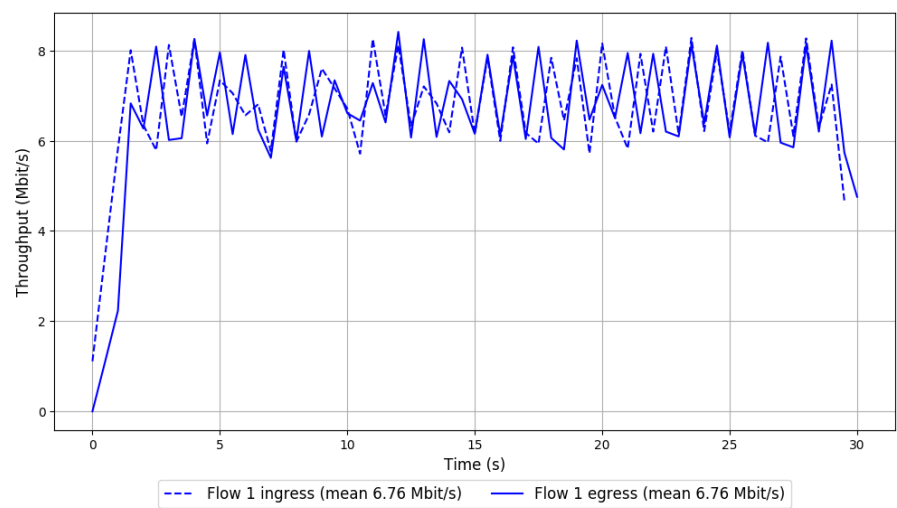


Run 4: Statistics of Sprout

Start at: 2019-03-19 05:59:51
End at: 2019-03-19 06:00:21
Local clock offset: -0.049 ms
Remote clock offset: -0.132 ms

Below is generated by plot.py at 2019-03-19 08:33:28
Datalink statistics
-- Total of 1 flow:
Average throughput: 6.76 Mbit/s
95th percentile per-packet one-way delay: 64.081 ms
Loss rate: 0.39%
-- Flow 1:
Average throughput: 6.76 Mbit/s
95th percentile per-packet one-way delay: 64.081 ms
Loss rate: 0.39%

Run 4: Report of Sprout — Data Link



Run 5: Statistics of Sprout

Start at: 2019-03-19 06:30:51

End at: 2019-03-19 06:31:21

Local clock offset: -0.085 ms

Remote clock offset: -0.13 ms

Below is generated by plot.py at 2019-03-19 08:33:28

Datalink statistics

-- Total of 1 flow:

Average throughput: 6.84 Mbit/s

95th percentile per-packet one-way delay: 64.194 ms

Loss rate: 0.33%

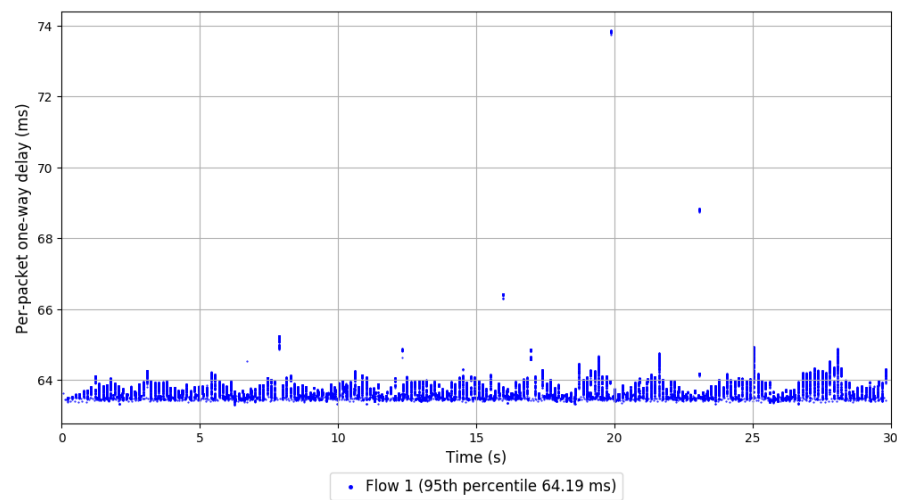
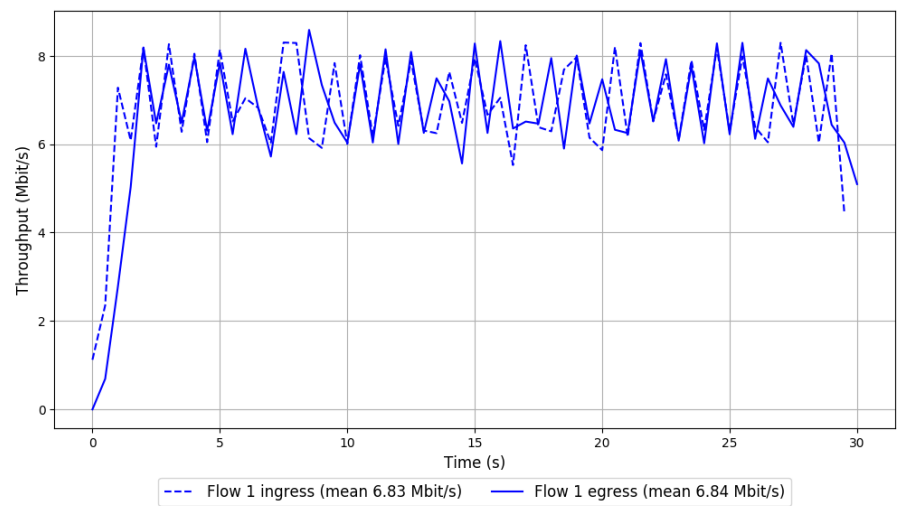
-- Flow 1:

Average throughput: 6.84 Mbit/s

95th percentile per-packet one-way delay: 64.194 ms

Loss rate: 0.33%

Run 5: Report of Sprout — Data Link



Run 1: Statistics of TaoVA-100x

Start at: 2019-03-19 04:14:39

End at: 2019-03-19 04:15:09

Local clock offset: -0.098 ms

Remote clock offset: 0.116 ms

Below is generated by plot.py at 2019-03-19 08:33:55

Datalink statistics

-- Total of 1 flow:

Average throughput: 225.39 Mbit/s

95th percentile per-packet one-way delay: 63.308 ms

Loss rate: 0.41%

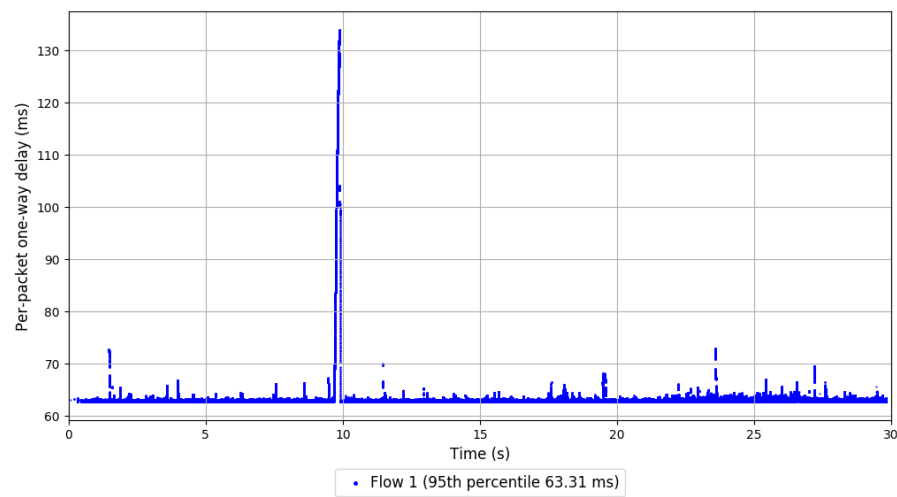
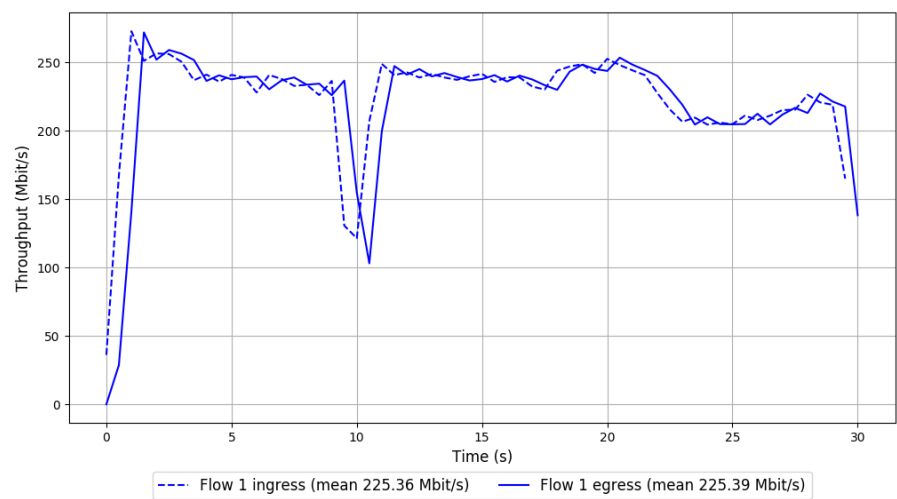
-- Flow 1:

Average throughput: 225.39 Mbit/s

95th percentile per-packet one-way delay: 63.308 ms

Loss rate: 0.41%

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

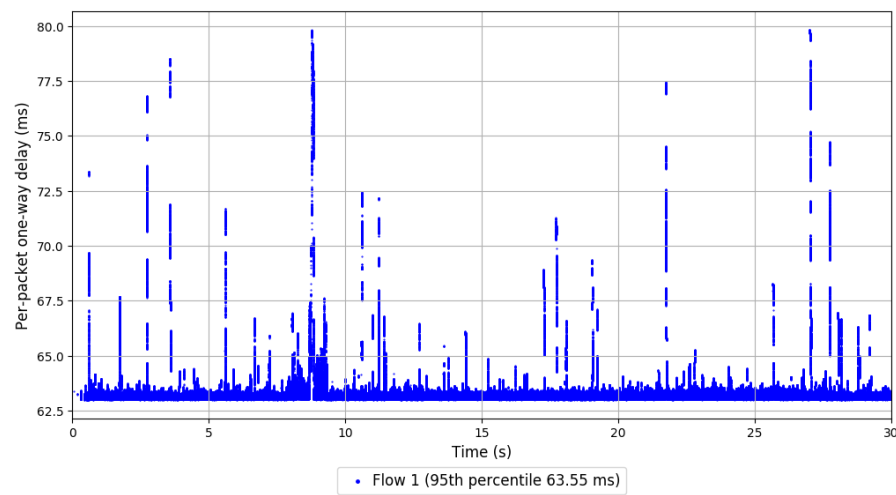
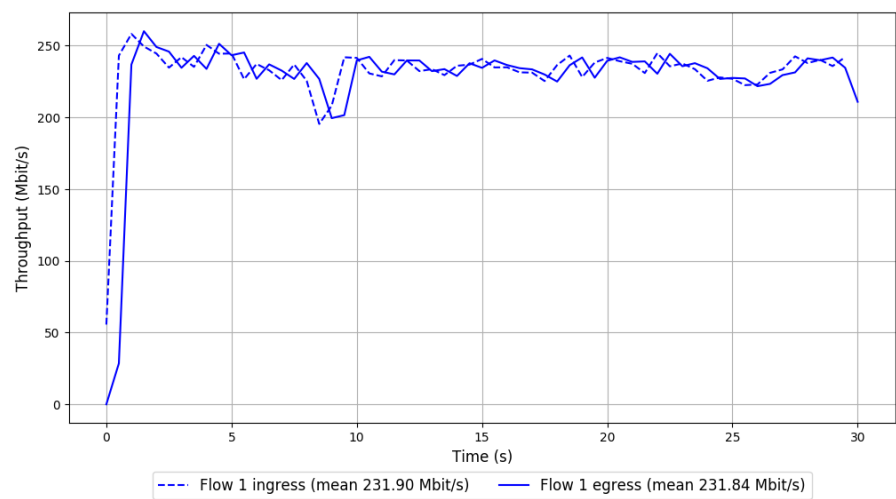


Run 2: Statistics of TaoVA-100x

Start at: 2019-03-19 04:45:25
End at: 2019-03-19 04:45:55
Local clock offset: -0.055 ms
Remote clock offset: -0.036 ms

Below is generated by plot.py at 2019-03-19 08:34:05
Datalink statistics
-- Total of 1 flow:
Average throughput: 231.84 Mbit/s
95th percentile per-packet one-way delay: 63.549 ms
Loss rate: 0.45%
-- Flow 1:
Average throughput: 231.84 Mbit/s
95th percentile per-packet one-way delay: 63.549 ms
Loss rate: 0.45%

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

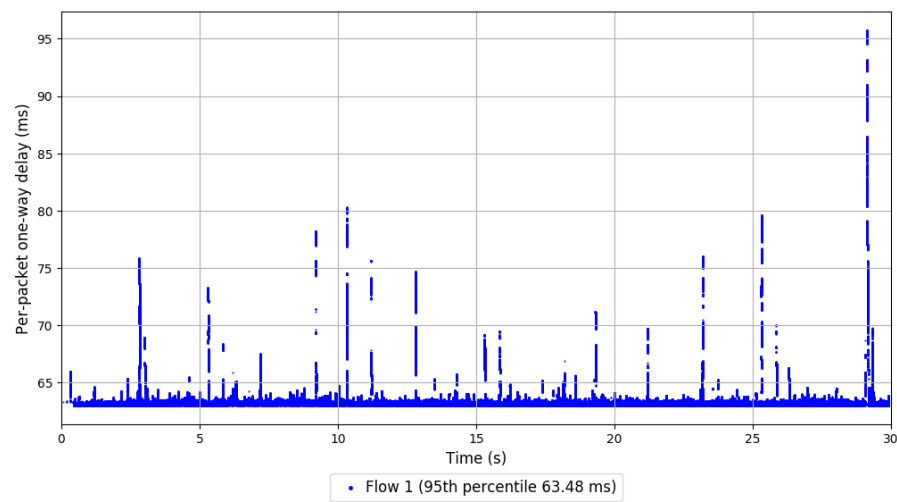
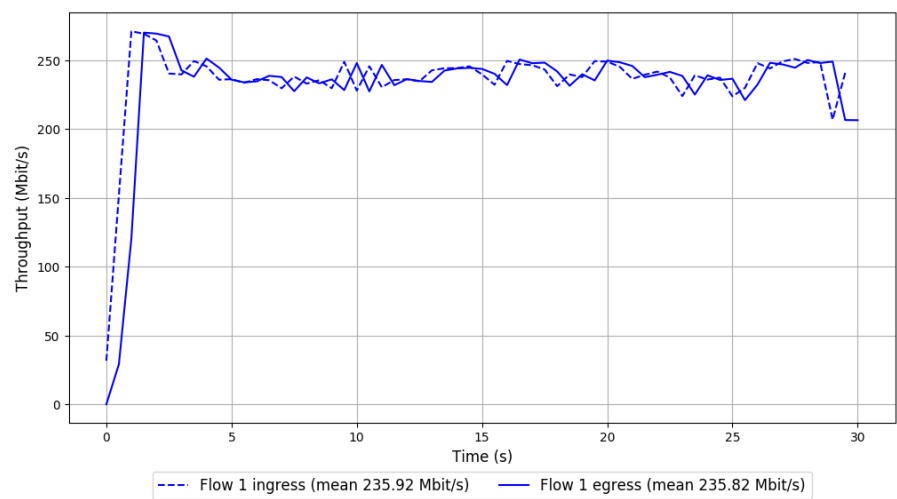


Run 3: Statistics of TaoVA-100x

Start at: 2019-03-19 05:16:27
End at: 2019-03-19 05:16:57
Local clock offset: -0.027 ms
Remote clock offset: -0.266 ms

Below is generated by plot.py at 2019-03-19 08:34:16
Datalink statistics
-- Total of 1 flow:
Average throughput: 235.82 Mbit/s
95th percentile per-packet one-way delay: 63.478 ms
Loss rate: 0.47%
-- Flow 1:
Average throughput: 235.82 Mbit/s
95th percentile per-packet one-way delay: 63.478 ms
Loss rate: 0.47%

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



Run 4: Statistics of TaoVA-100x

Start at: 2019-03-19 05:47:19

End at: 2019-03-19 05:47:49

Local clock offset: -0.03 ms

Remote clock offset: -0.097 ms

Below is generated by plot.py at 2019-03-19 08:34:23

Datalink statistics

-- Total of 1 flow:

Average throughput: 240.09 Mbit/s

95th percentile per-packet one-way delay: 63.403 ms

Loss rate: 0.44%

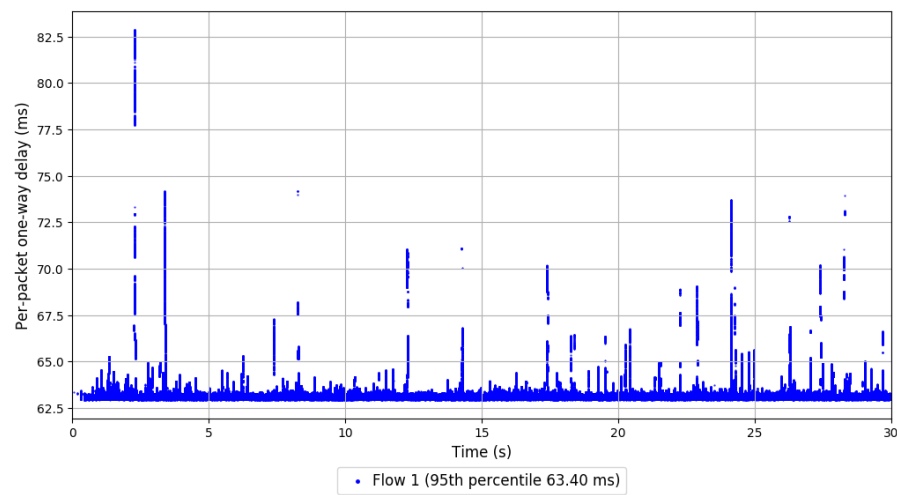
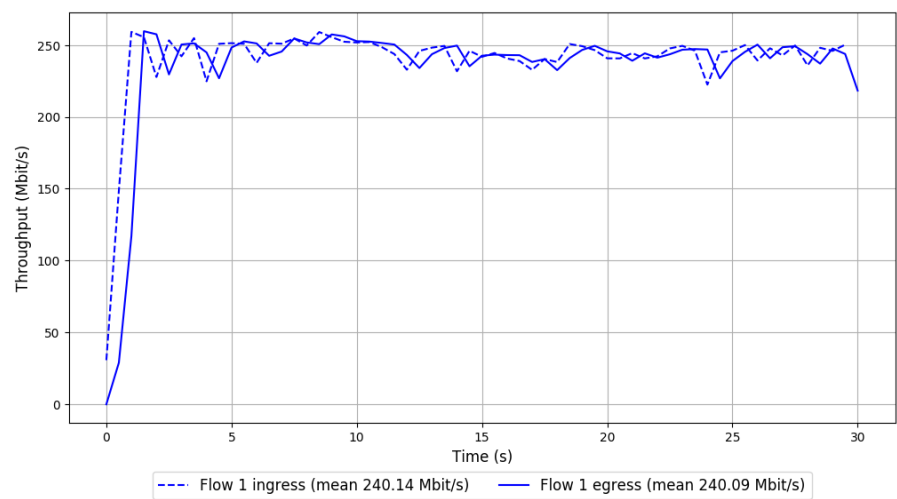
-- Flow 1:

Average throughput: 240.09 Mbit/s

95th percentile per-packet one-way delay: 63.403 ms

Loss rate: 0.44%

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

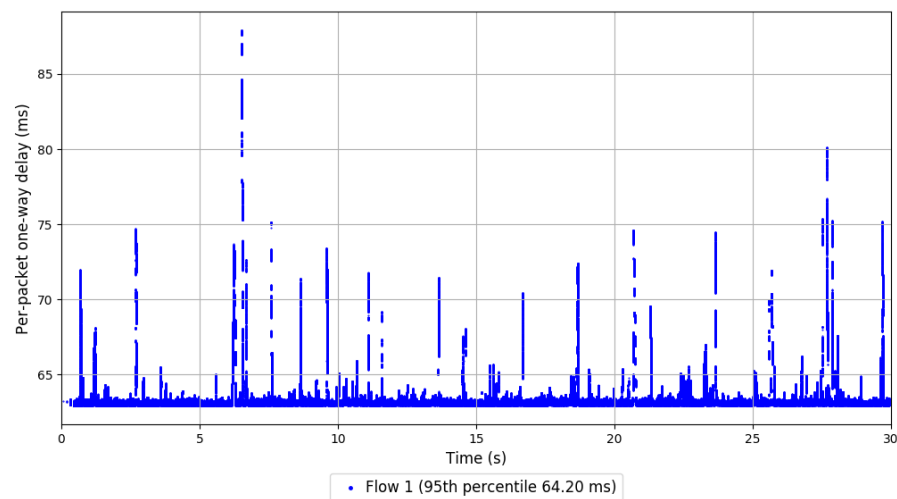
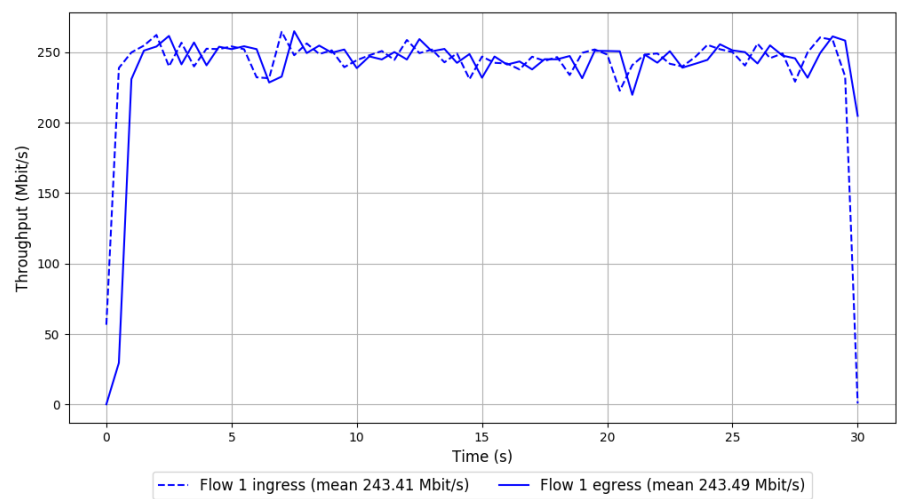


Run 5: Statistics of TaoVA-100x

Start at: 2019-03-19 06:18:28
End at: 2019-03-19 06:18:58
Local clock offset: -0.044 ms
Remote clock offset: -0.116 ms

Below is generated by plot.py at 2019-03-19 08:34:31
Datalink statistics
-- Total of 1 flow:
Average throughput: 243.49 Mbit/s
95th percentile per-packet one-way delay: 64.200 ms
Loss rate: 0.41%
-- Flow 1:
Average throughput: 243.49 Mbit/s
95th percentile per-packet one-way delay: 64.200 ms
Loss rate: 0.41%

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



Run 1: Statistics of TCP Vegas

Start at: 2019-03-19 04:40:08

End at: 2019-03-19 04:40:38

Local clock offset: -0.044 ms

Remote clock offset: 0.063 ms

Below is generated by plot.py at 2019-03-19 08:34:31

Datalink statistics

-- Total of 1 flow:

Average throughput: 407.75 Mbit/s

95th percentile per-packet one-way delay: 67.396 ms

Loss rate: 0.18%

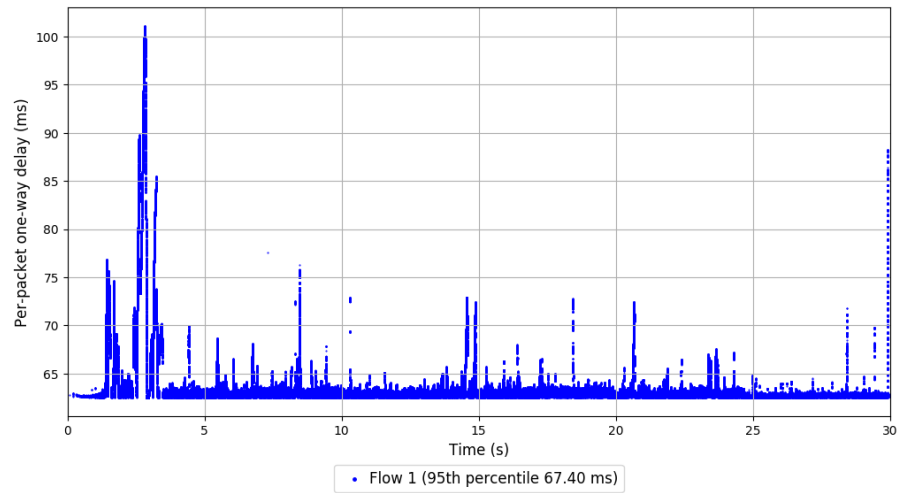
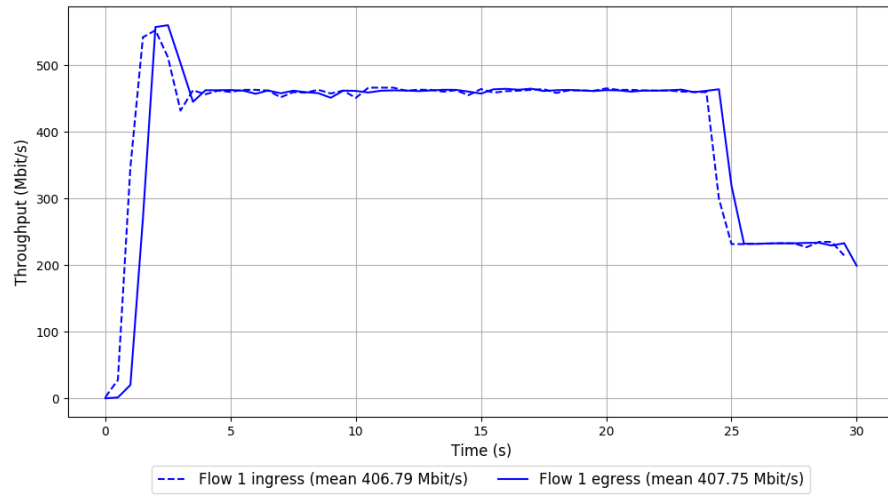
-- Flow 1:

Average throughput: 407.75 Mbit/s

95th percentile per-packet one-way delay: 67.396 ms

Loss rate: 0.18%

Run 1: Report of TCP Vegas — Data Link

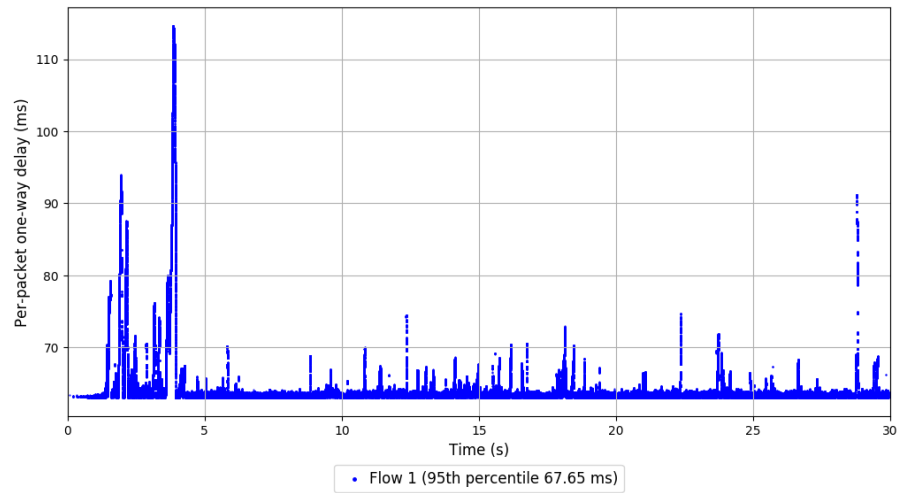
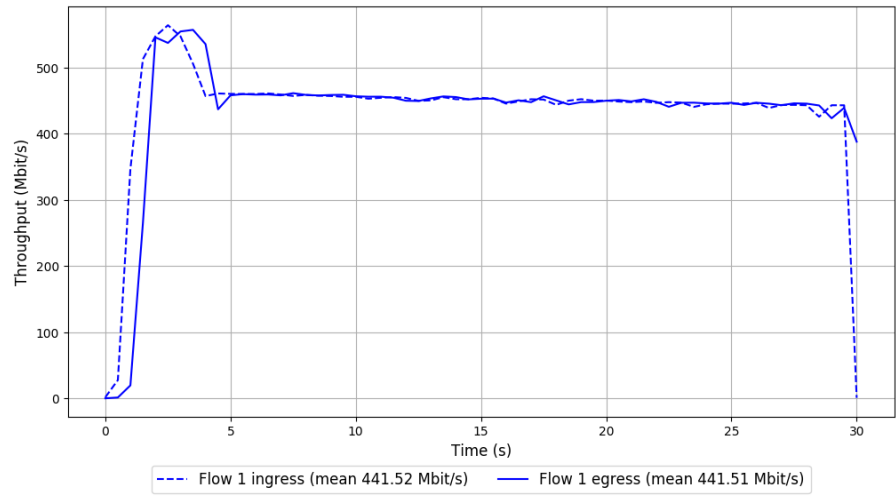


Run 2: Statistics of TCP Vegas

Start at: 2019-03-19 05:11:14
End at: 2019-03-19 05:11:44
Local clock offset: -0.008 ms
Remote clock offset: -0.148 ms

Below is generated by plot.py at 2019-03-19 08:38:58
Datalink statistics
-- Total of 1 flow:
Average throughput: 441.51 Mbit/s
95th percentile per-packet one-way delay: 67.653 ms
Loss rate: 0.42%
-- Flow 1:
Average throughput: 441.51 Mbit/s
95th percentile per-packet one-way delay: 67.653 ms
Loss rate: 0.42%

Run 2: Report of TCP Vegas — Data Link

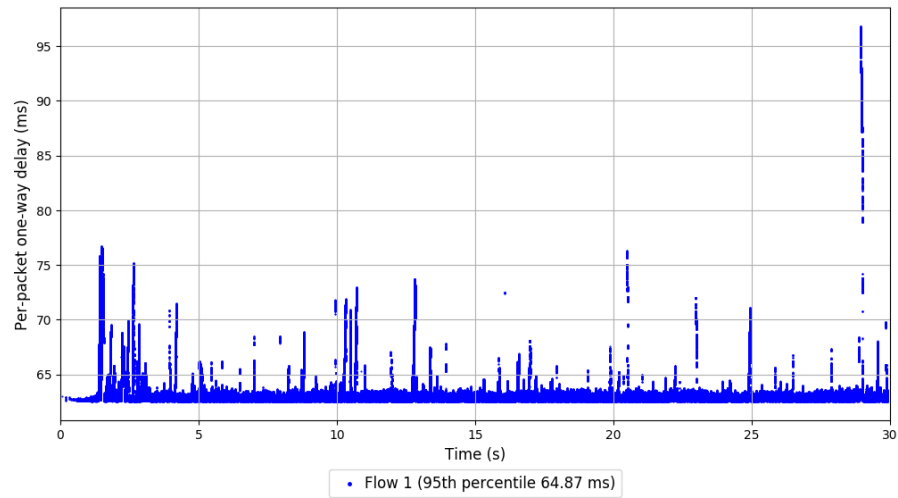
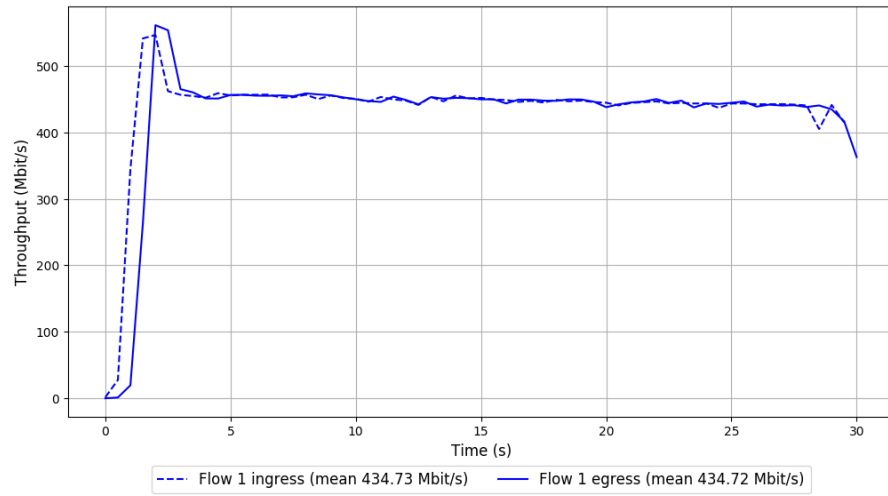


Run 3: Statistics of TCP Vegas

Start at: 2019-03-19 05:42:10
End at: 2019-03-19 05:42:40
Local clock offset: -0.036 ms
Remote clock offset: 0.368 ms

Below is generated by plot.py at 2019-03-19 08:41:06
Datalink statistics
-- Total of 1 flow:
Average throughput: 434.72 Mbit/s
95th percentile per-packet one-way delay: 64.868 ms
Loss rate: 0.42%
-- Flow 1:
Average throughput: 434.72 Mbit/s
95th percentile per-packet one-way delay: 64.868 ms
Loss rate: 0.42%

Run 3: Report of TCP Vegas — Data Link

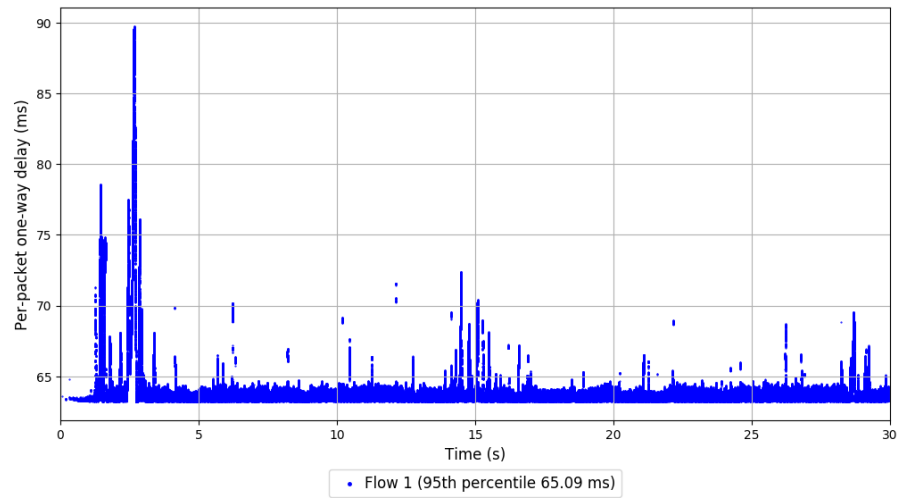
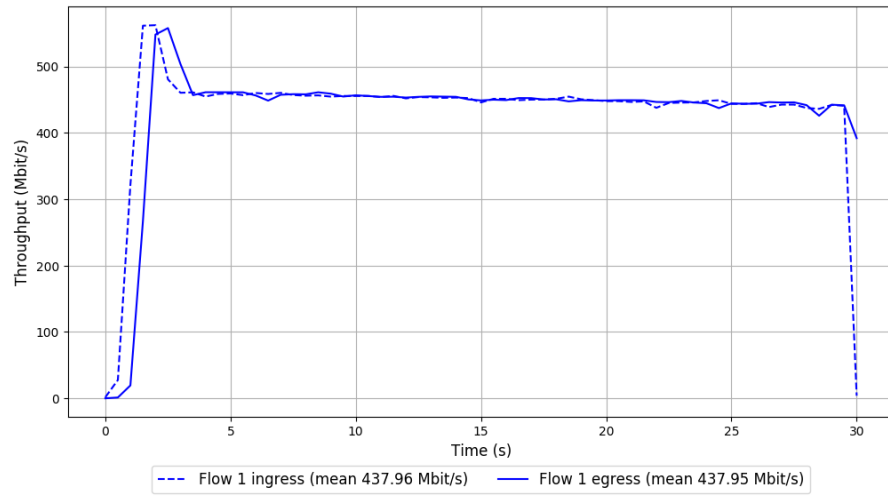


Run 4: Statistics of TCP Vegas

Start at: 2019-03-19 06:13:16
End at: 2019-03-19 06:13:47
Local clock offset: -0.032 ms
Remote clock offset: -0.23 ms

Below is generated by plot.py at 2019-03-19 08:41:39
Datalink statistics
-- Total of 1 flow:
Average throughput: 437.95 Mbit/s
95th percentile per-packet one-way delay: 65.094 ms
Loss rate: 0.43%
-- Flow 1:
Average throughput: 437.95 Mbit/s
95th percentile per-packet one-way delay: 65.094 ms
Loss rate: 0.43%

Run 4: Report of TCP Vegas — Data Link

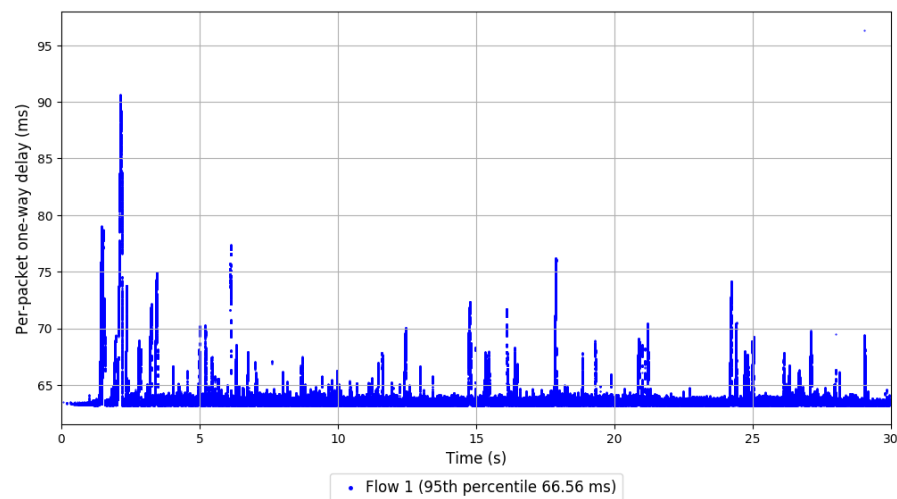
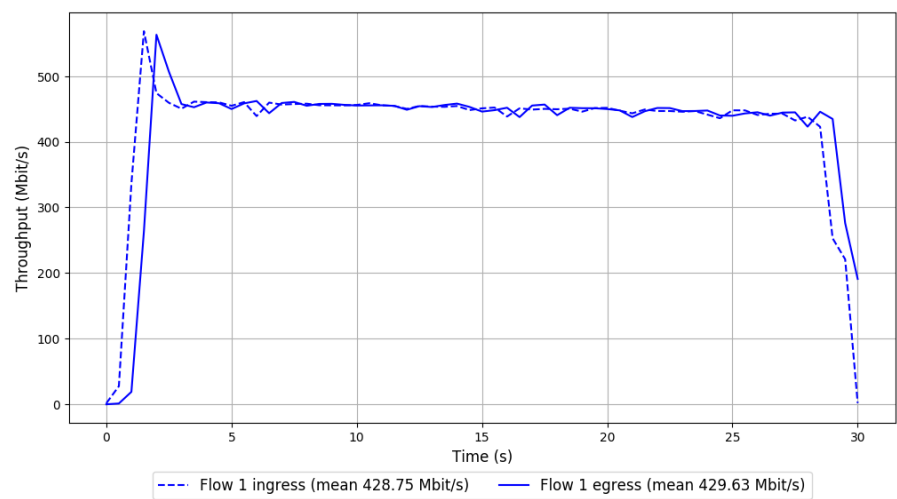


Run 5: Statistics of TCP Vegas

Start at: 2019-03-19 06:44:21
End at: 2019-03-19 06:44:51
Local clock offset: -0.12 ms
Remote clock offset: -0.223 ms

Below is generated by plot.py at 2019-03-19 08:41:44
Datalink statistics
-- Total of 1 flow:
Average throughput: 429.63 Mbit/s
95th percentile per-packet one-way delay: 66.562 ms
Loss rate: 0.22%
-- Flow 1:
Average throughput: 429.63 Mbit/s
95th percentile per-packet one-way delay: 66.562 ms
Loss rate: 0.22%

Run 5: Report of TCP Vegas — Data Link

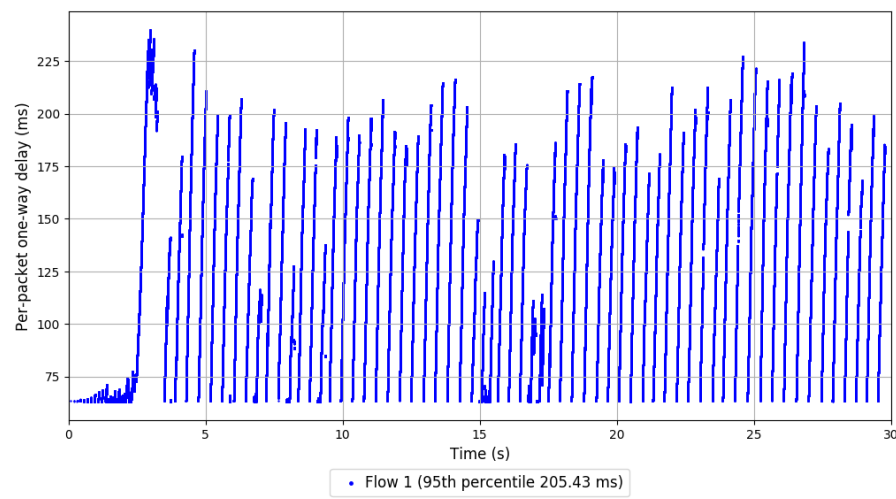
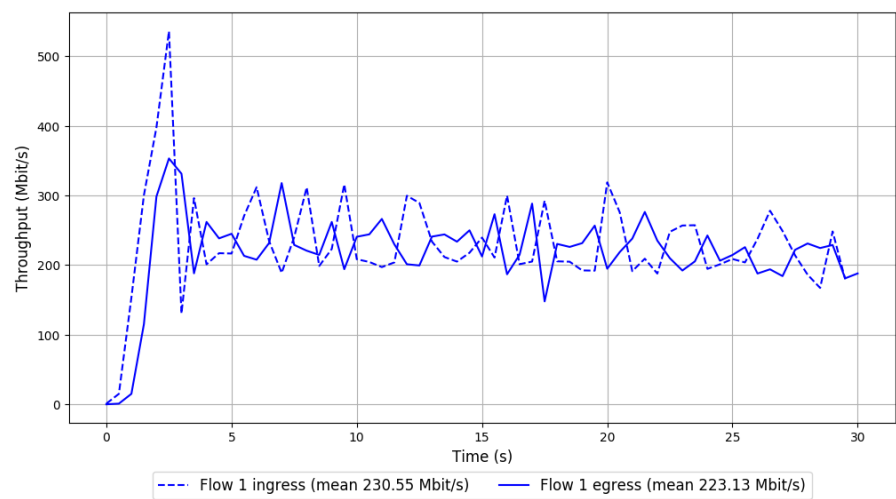


Run 1: Statistics of Verus

Start at: 2019-03-19 04:43:56
End at: 2019-03-19 04:44:26
Local clock offset: -0.051 ms
Remote clock offset: -0.149 ms

Below is generated by plot.py at 2019-03-19 08:41:56
Datalink statistics
-- Total of 1 flow:
Average throughput: 223.13 Mbit/s
95th percentile per-packet one-way delay: 205.427 ms
Loss rate: 3.84%
-- Flow 1:
Average throughput: 223.13 Mbit/s
95th percentile per-packet one-way delay: 205.427 ms
Loss rate: 3.84%

Run 1: Report of Verus — Data Link

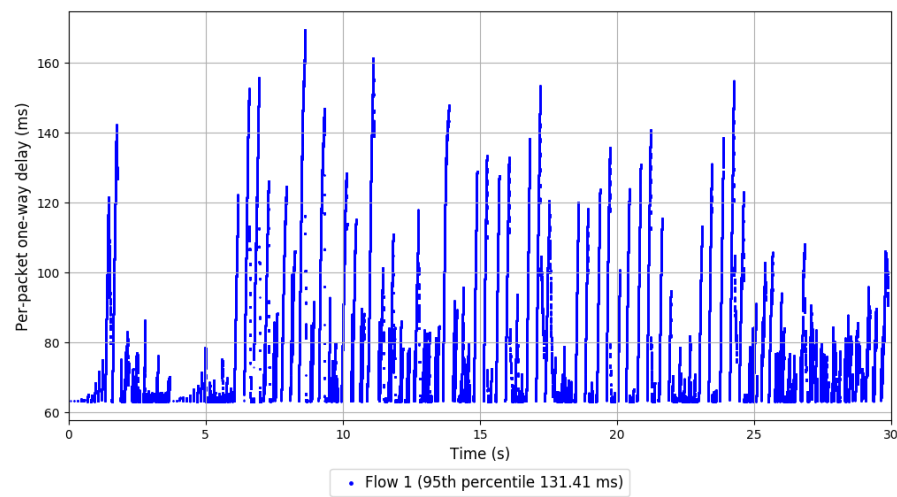
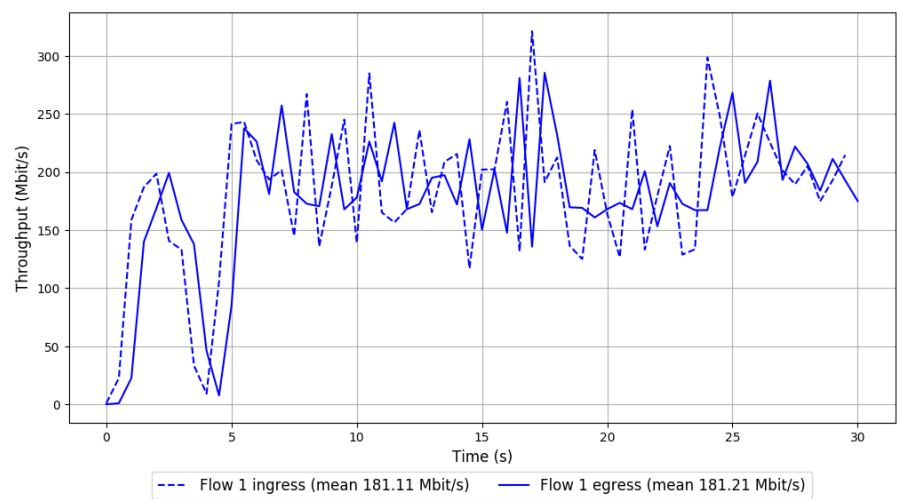


Run 2: Statistics of Verus

Start at: 2019-03-19 05:15:02
End at: 2019-03-19 05:15:32
Local clock offset: -0.019 ms
Remote clock offset: -0.254 ms

Below is generated by plot.py at 2019-03-19 08:41:57
Datalink statistics
-- Total of 1 flow:
Average throughput: 181.21 Mbit/s
95th percentile per-packet one-way delay: 131.408 ms
Loss rate: 0.37%
-- Flow 1:
Average throughput: 181.21 Mbit/s
95th percentile per-packet one-way delay: 131.408 ms
Loss rate: 0.37%

Run 2: Report of Verus — Data Link

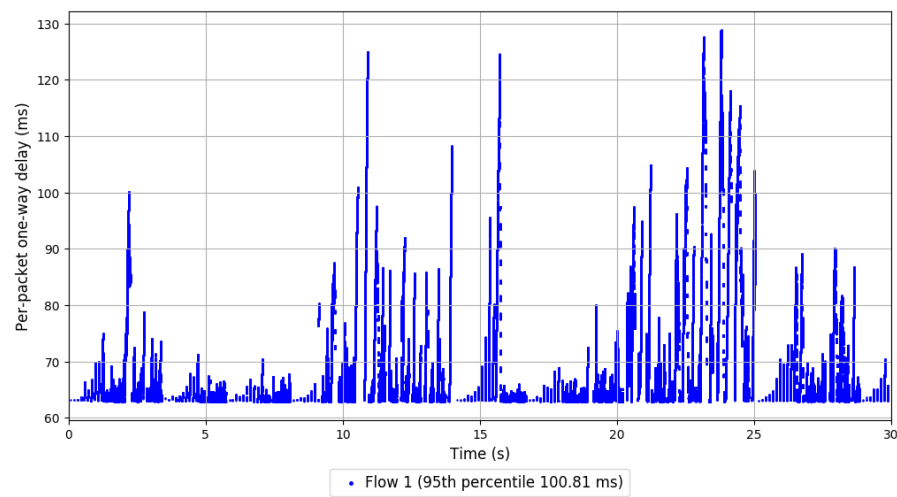
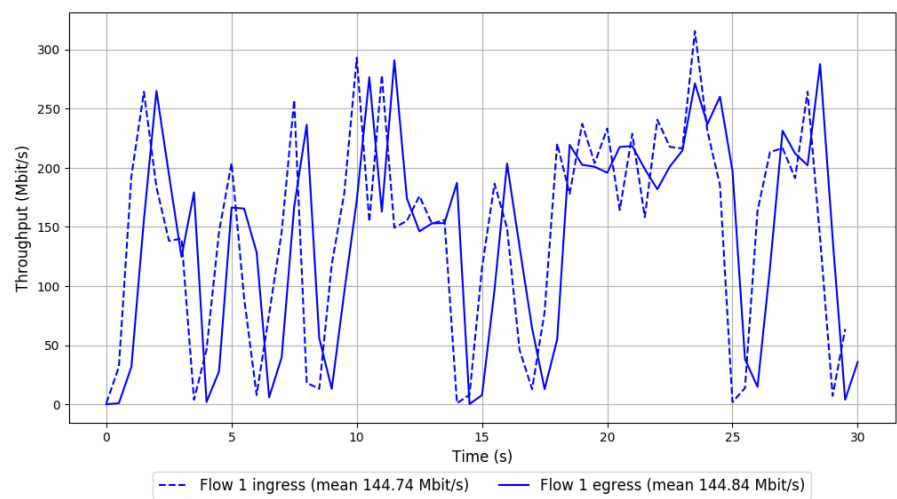


Run 3: Statistics of Verus

Start at: 2019-03-19 05:45:58
End at: 2019-03-19 05:46:28
Local clock offset: -0.023 ms
Remote clock offset: -0.087 ms

Below is generated by plot.py at 2019-03-19 08:41:57
Datalink statistics
-- Total of 1 flow:
Average throughput: 144.84 Mbit/s
95th percentile per-packet one-way delay: 100.814 ms
Loss rate: 0.36%
-- Flow 1:
Average throughput: 144.84 Mbit/s
95th percentile per-packet one-way delay: 100.814 ms
Loss rate: 0.36%

Run 3: Report of Verus — Data Link



Run 4: Statistics of Verus

Start at: 2019-03-19 06:17:05

End at: 2019-03-19 06:17:35

Local clock offset: -0.013 ms

Remote clock offset: 0.082 ms

Below is generated by plot.py at 2019-03-19 08:41:57

Datalink statistics

-- Total of 1 flow:

Average throughput: 156.07 Mbit/s

95th percentile per-packet one-way delay: 119.537 ms

Loss rate: 0.02%

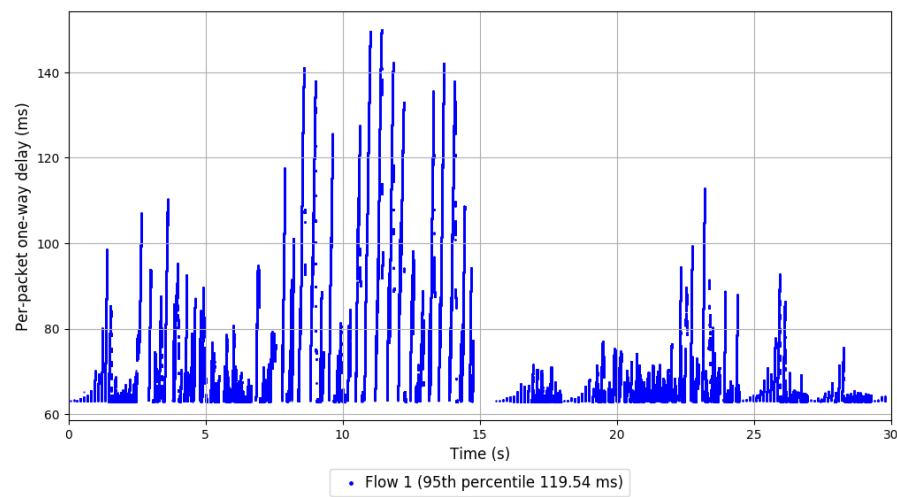
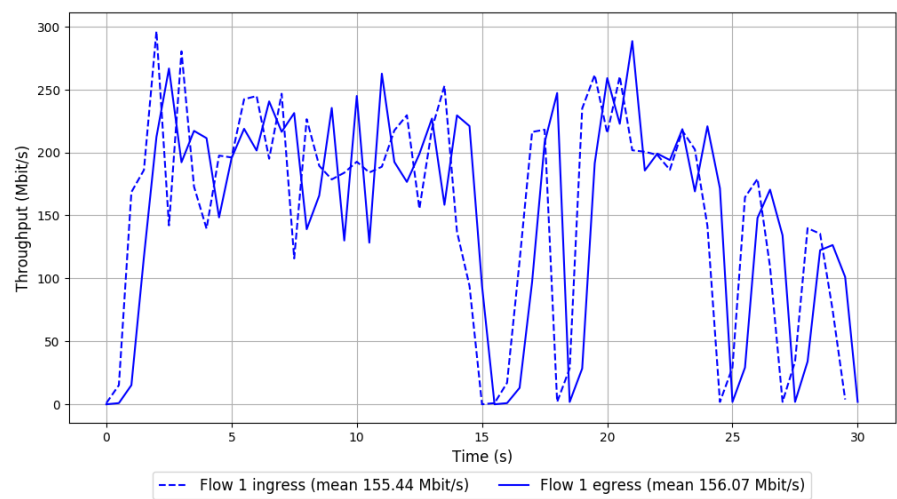
-- Flow 1:

Average throughput: 156.07 Mbit/s

95th percentile per-packet one-way delay: 119.537 ms

Loss rate: 0.02%

Run 4: Report of Verus — Data Link



Run 5: Statistics of Verus

Start at: 2019-03-19 06:48:09

End at: 2019-03-19 06:48:39

Local clock offset: -0.117 ms

Remote clock offset: 0.007 ms

Below is generated by plot.py at 2019-03-19 08:44:04

Datalink statistics

-- Total of 1 flow:

Average throughput: 178.99 Mbit/s

95th percentile per-packet one-way delay: 112.750 ms

Loss rate: 0.75%

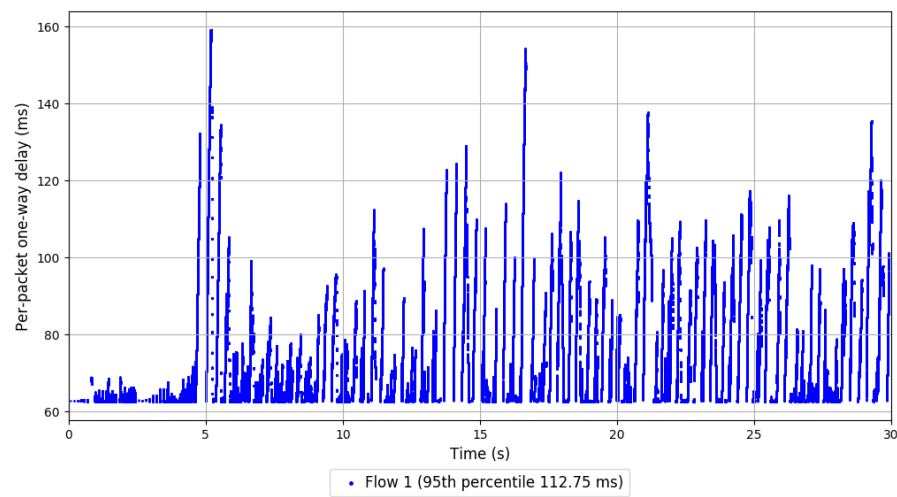
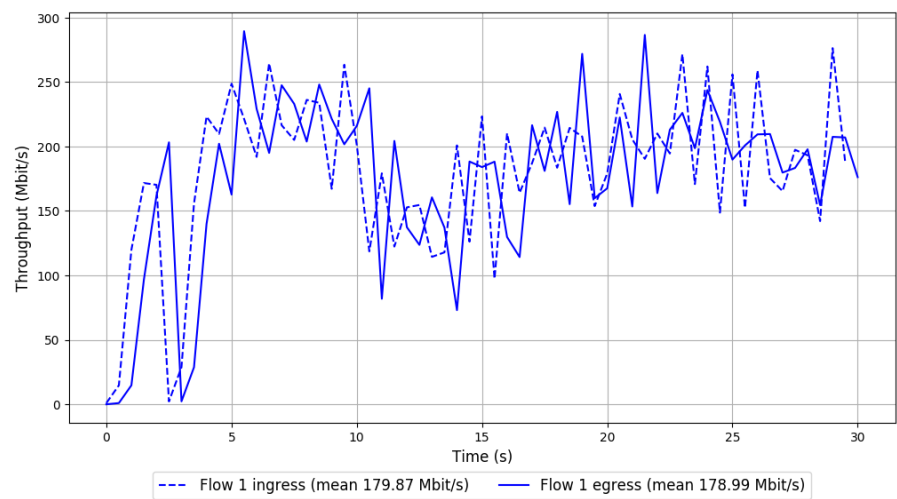
-- Flow 1:

Average throughput: 178.99 Mbit/s

95th percentile per-packet one-way delay: 112.750 ms

Loss rate: 0.75%

Run 5: Report of Verus — Data Link



Run 1: Statistics of PCC-Vivace

Start at: 2019-03-19 04:25:11

End at: 2019-03-19 04:25:41

Local clock offset: -0.084 ms

Remote clock offset: -0.33 ms

Below is generated by plot.py at 2019-03-19 08:44:04

Datalink statistics

-- Total of 1 flow:

Average throughput: 290.75 Mbit/s

95th percentile per-packet one-way delay: 65.613 ms

Loss rate: 0.45%

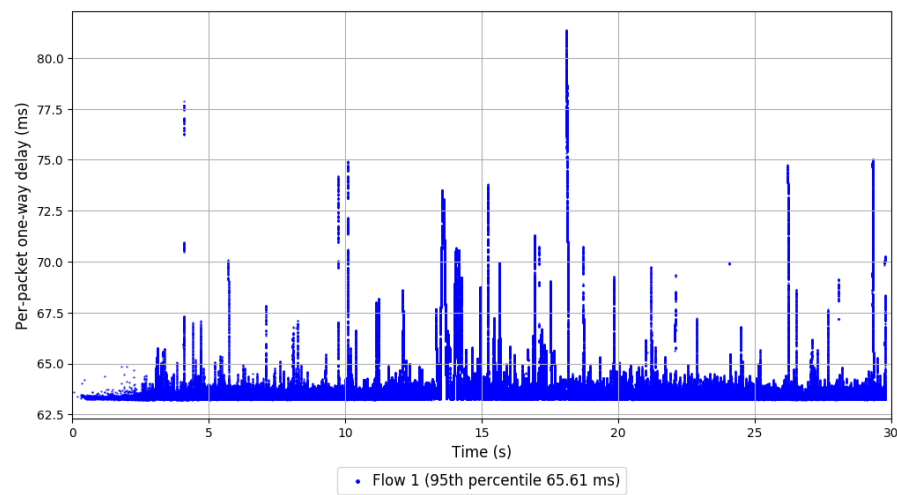
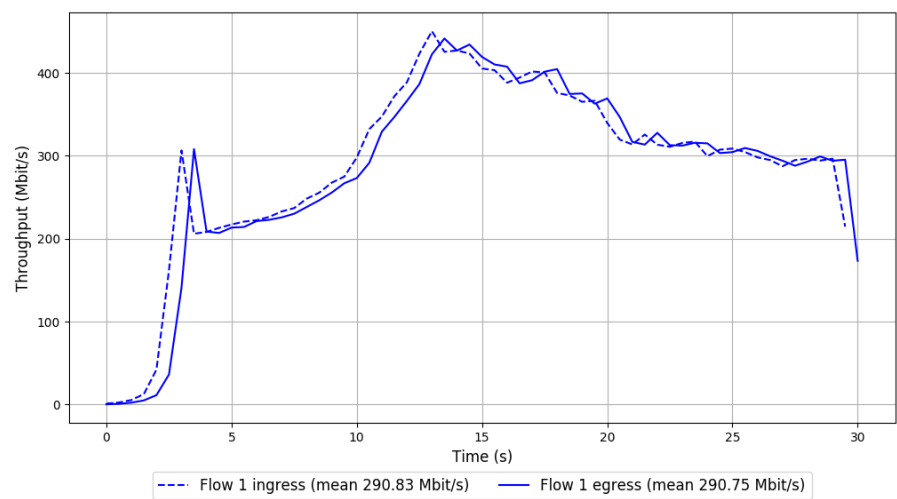
-- Flow 1:

Average throughput: 290.75 Mbit/s

95th percentile per-packet one-way delay: 65.613 ms

Loss rate: 0.45%

Run 1: Report of PCC-Vivace — Data Link

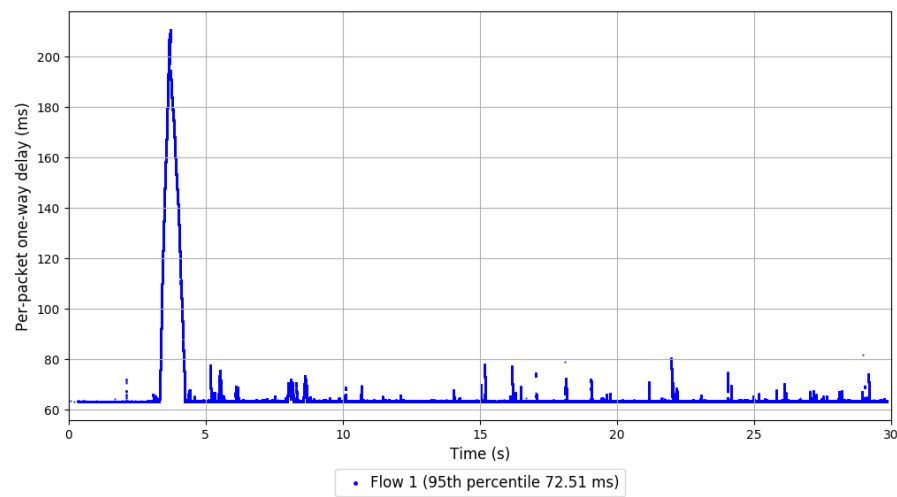
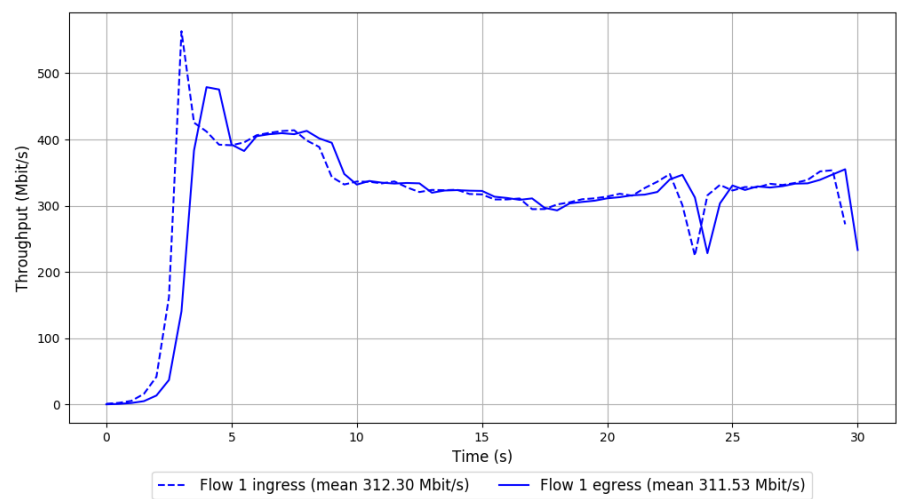


Run 2: Statistics of PCC-Vivace

Start at: 2019-03-19 04:56:11
End at: 2019-03-19 04:56:41
Local clock offset: -0.032 ms
Remote clock offset: -0.138 ms

Below is generated by plot.py at 2019-03-19 08:44:26
Datalink statistics
-- Total of 1 flow:
Average throughput: 311.53 Mbit/s
95th percentile per-packet one-way delay: 72.512 ms
Loss rate: 0.67%
-- Flow 1:
Average throughput: 311.53 Mbit/s
95th percentile per-packet one-way delay: 72.512 ms
Loss rate: 0.67%

Run 2: Report of PCC-Vivace — Data Link

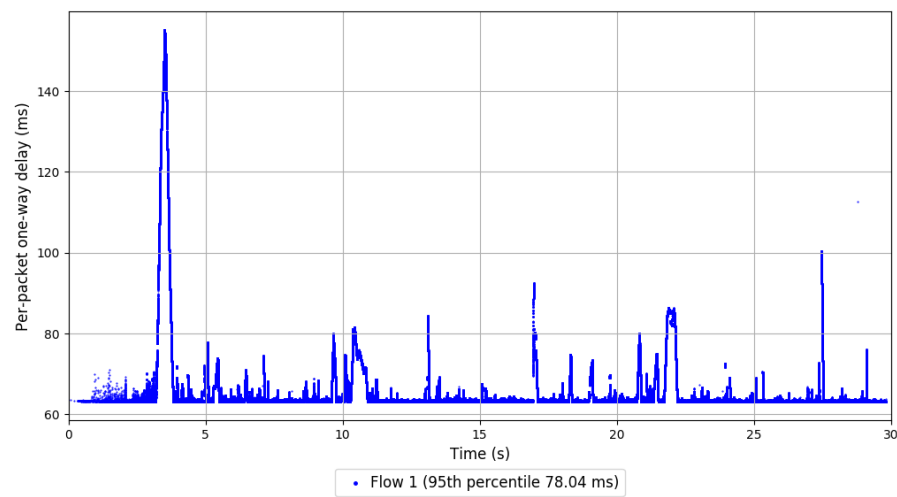
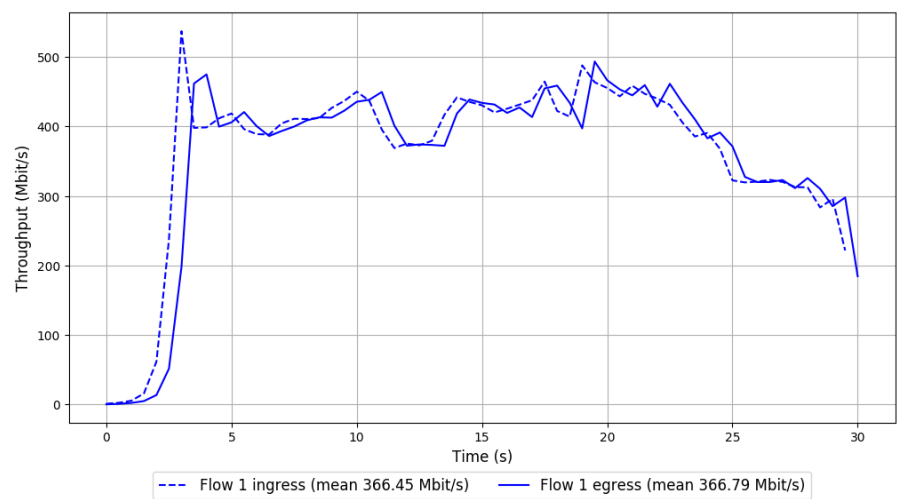


Run 3: Statistics of PCC-Vivace

Start at: 2019-03-19 05:27:12
End at: 2019-03-19 05:27:42
Local clock offset: 0.007 ms
Remote clock offset: -0.249 ms

Below is generated by plot.py at 2019-03-19 08:45:09
Datalink statistics
-- Total of 1 flow:
Average throughput: 366.79 Mbit/s
95th percentile per-packet one-way delay: 78.039 ms
Loss rate: 0.33%
-- Flow 1:
Average throughput: 366.79 Mbit/s
95th percentile per-packet one-way delay: 78.039 ms
Loss rate: 0.33%

Run 3: Report of PCC-Vivace — Data Link

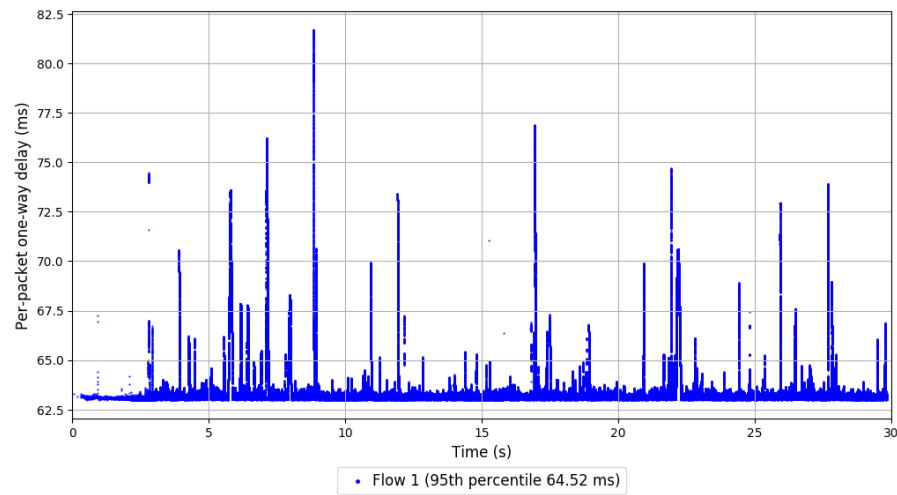
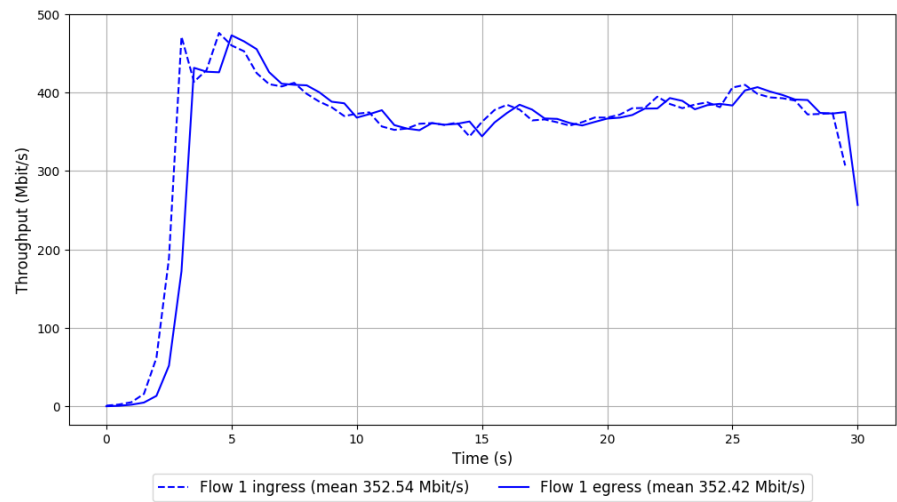


Run 4: Statistics of PCC-Vivace

Start at: 2019-03-19 05:58:16
End at: 2019-03-19 05:58:46
Local clock offset: -0.022 ms
Remote clock offset: -0.249 ms

Below is generated by plot.py at 2019-03-19 08:45:11
Datalink statistics
-- Total of 1 flow:
Average throughput: 352.42 Mbit/s
95th percentile per-packet one-way delay: 64.524 ms
Loss rate: 0.46%
-- Flow 1:
Average throughput: 352.42 Mbit/s
95th percentile per-packet one-way delay: 64.524 ms
Loss rate: 0.46%

Run 4: Report of PCC-Vivace — Data Link

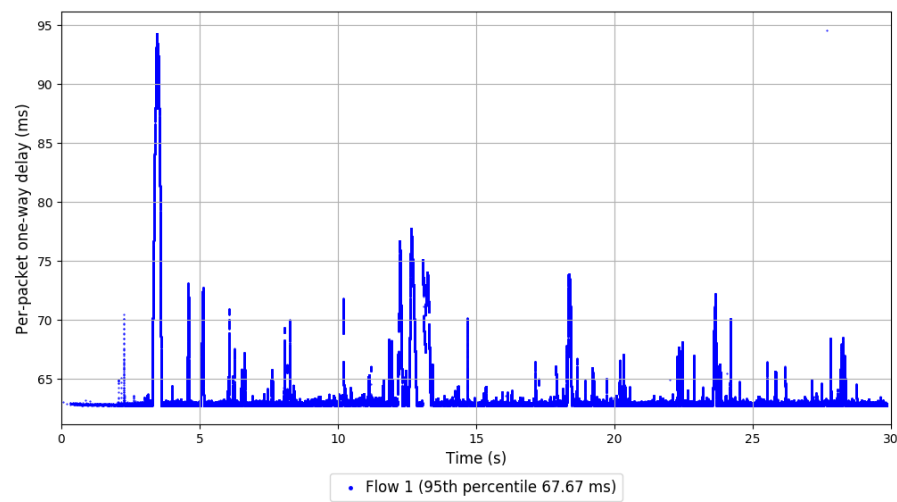
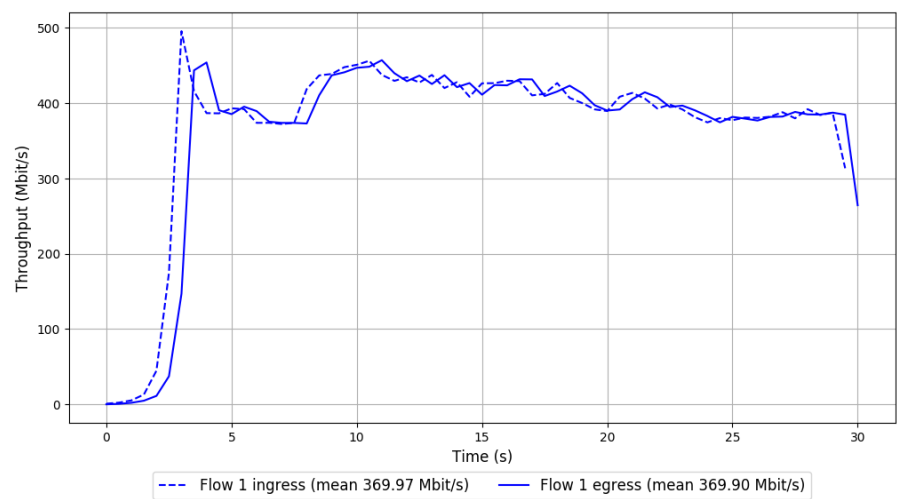


Run 5: Statistics of PCC-Vivace

Start at: 2019-03-19 06:29:17
End at: 2019-03-19 06:29:47
Local clock offset: -0.103 ms
Remote clock offset: -0.154 ms

Below is generated by plot.py at 2019-03-19 08:45:13
Datalink statistics
-- Total of 1 flow:
Average throughput: 369.90 Mbit/s
95th percentile per-packet one-way delay: 67.670 ms
Loss rate: 0.44%
-- Flow 1:
Average throughput: 369.90 Mbit/s
95th percentile per-packet one-way delay: 67.670 ms
Loss rate: 0.44%

Run 5: Report of PCC-Vivace — Data Link

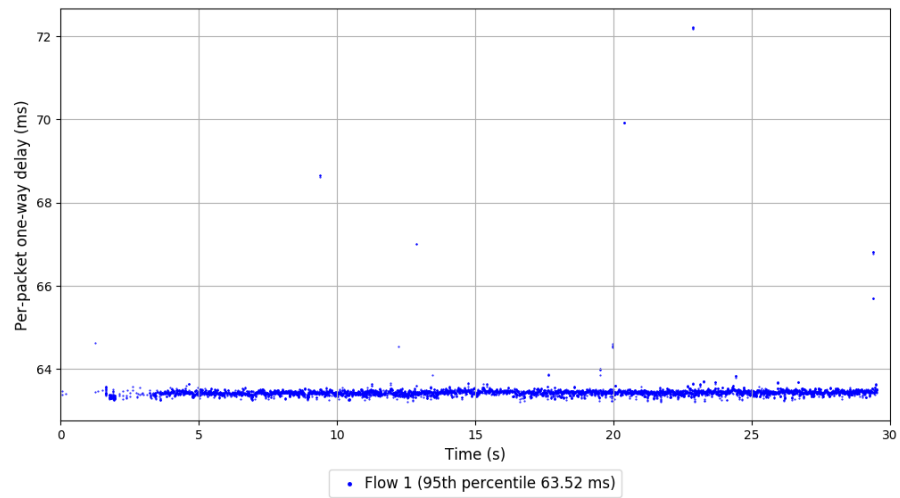
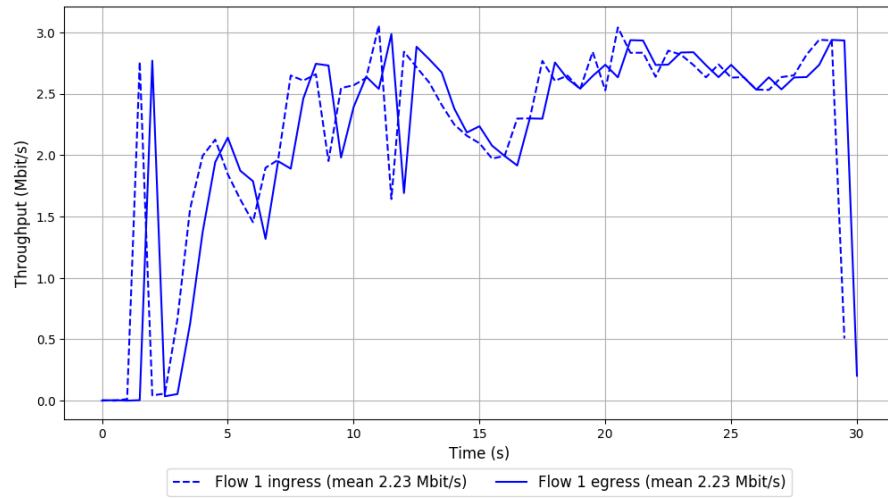


Run 1: Statistics of WebRTC media

Start at: 2019-03-19 04:41:37
End at: 2019-03-19 04:42:07
Local clock offset: -0.02 ms
Remote clock offset: -0.114 ms

Below is generated by plot.py at 2019-03-19 08:45:14
Datalink statistics
-- Total of 1 flow:
Average throughput: 2.23 Mbit/s
95th percentile per-packet one-way delay: 63.521 ms
Loss rate: 0.54%
-- Flow 1:
Average throughput: 2.23 Mbit/s
95th percentile per-packet one-way delay: 63.521 ms
Loss rate: 0.54%

Run 1: Report of WebRTC media — Data Link

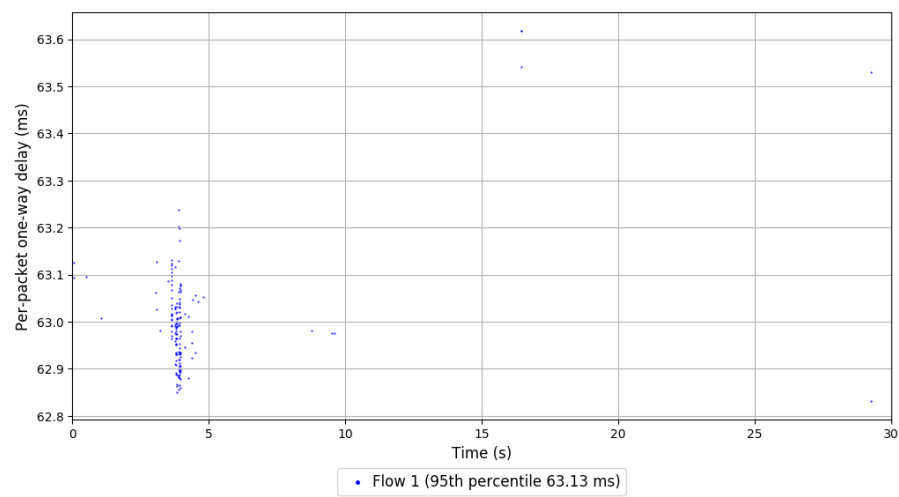
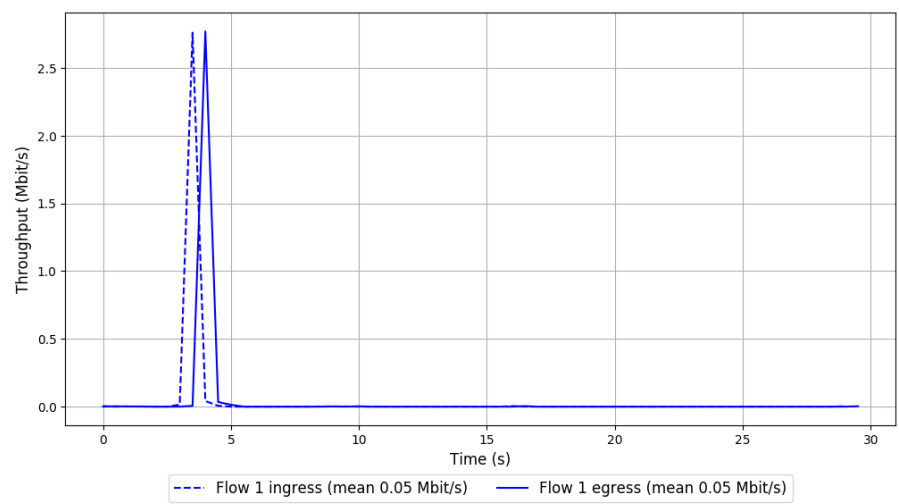


Run 2: Statistics of WebRTC media

Start at: 2019-03-19 05:12:44
End at: 2019-03-19 05:13:14
Local clock offset: -0.022 ms
Remote clock offset: -0.142 ms

Below is generated by plot.py at 2019-03-19 08:45:14
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 63.132 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 63.132 ms
Loss rate: 0.00%

Run 2: Report of WebRTC media — Data Link

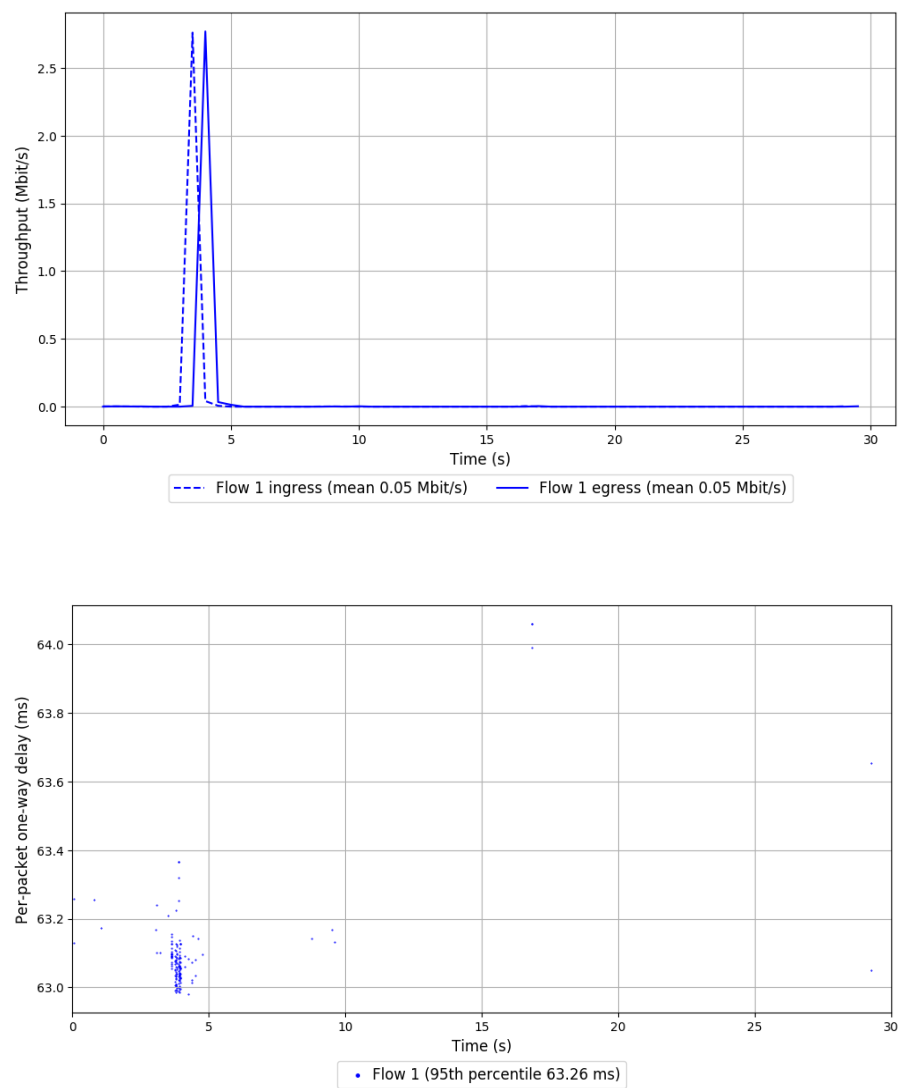


Run 3: Statistics of WebRTC media

Start at: 2019-03-19 05:43:39
End at: 2019-03-19 05:44:09
Local clock offset: 0.001 ms
Remote clock offset: -0.267 ms

Below is generated by plot.py at 2019-03-19 08:45:14
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 63.256 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 63.256 ms
Loss rate: 0.00%

Run 3: Report of WebRTC media — Data Link



Run 4: Statistics of WebRTC media

Start at: 2019-03-19 06:14:47

End at: 2019-03-19 06:15:17

Local clock offset: -0.049 ms

Remote clock offset: 0.04 ms

Below is generated by plot.py at 2019-03-19 08:45:14

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.06 Mbit/s

95th percentile per-packet one-way delay: 63.165 ms

Loss rate: 0.00%

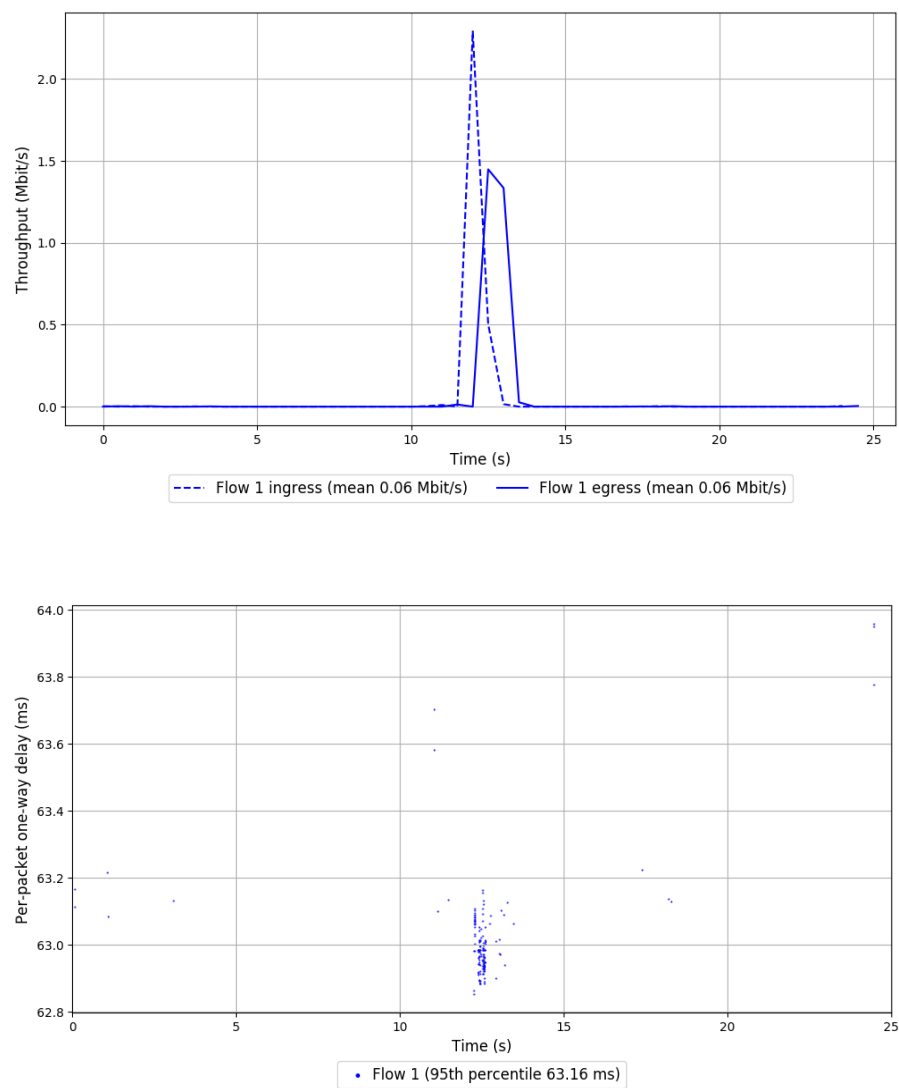
-- Flow 1:

Average throughput: 0.06 Mbit/s

95th percentile per-packet one-way delay: 63.165 ms

Loss rate: 0.00%

Run 4: Report of WebRTC media — Data Link



Run 5: Statistics of WebRTC media

Start at: 2019-03-19 06:45:50
End at: 2019-03-19 06:46:20
Local clock offset: -0.132 ms
Remote clock offset: -0.093 ms

Below is generated by plot.py at 2019-03-19 08:45:14
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 63.371 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 63.371 ms
Loss rate: 0.00%

Run 5: Report of WebRTC media — Data Link

