

Pantheon Report

Generated at 2019-04-24 18:51:14 (UTC).

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

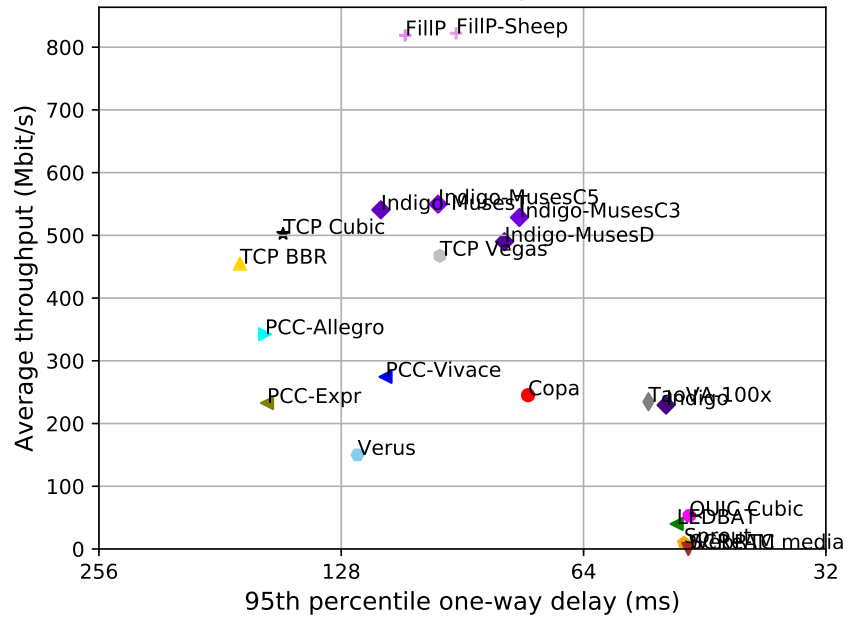
```
Linux 4.15.0-1028-gcp
net.core.default_qdisc = fq
net.core.rmem_default = 16777216
net.core.rmem_max = 536870912
net.core.wmem_default = 16777216
net.core.wmem_max = 536870912
net.ipv4.tcp_rmem = 4096 16777216 536870912
net.ipv4.tcp_wmem = 4096 16777216 536870912
```

Git summary:

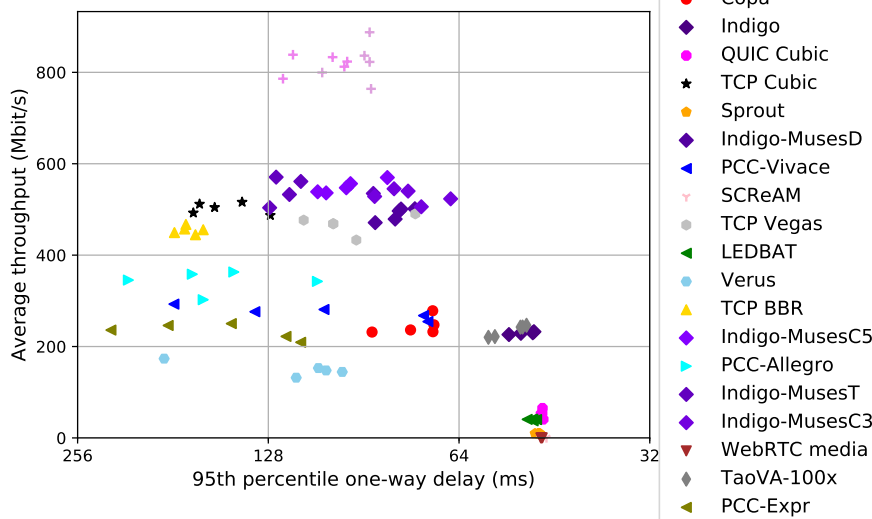
```
branch: muses @ 7a686f7c2ed0a333082c0bab1fa5c921ab47e6ee
third_party/fillp @ d6da1459332fcee56963885d7eba17e6a32d4519
third_party/fillp-sheep @ 0e5bb722943babcd2b090d2c64fcd45e12e923f9
third_party/genericCC @ d0153f8e594aa89e93b032143cedbdf58e562f4
third_party/indigo @ 2601c92e4aa9d58d38dc4dfe0ecdbf90c077e64d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



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



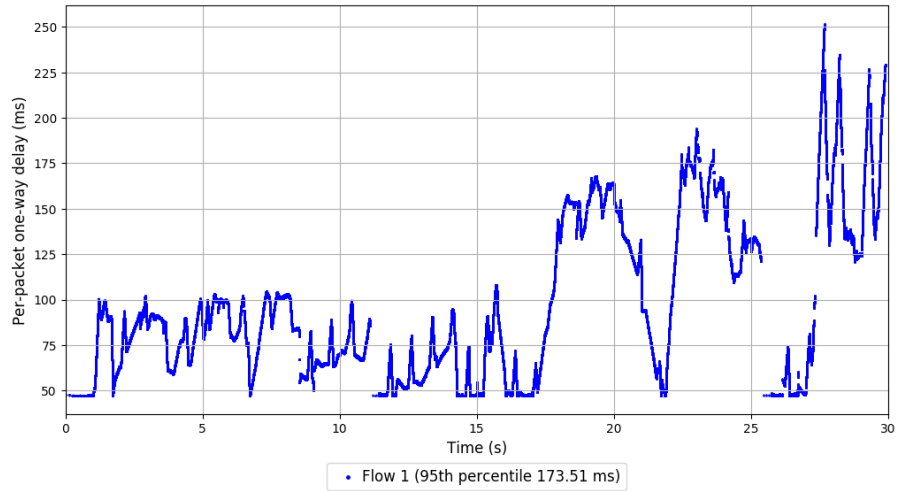
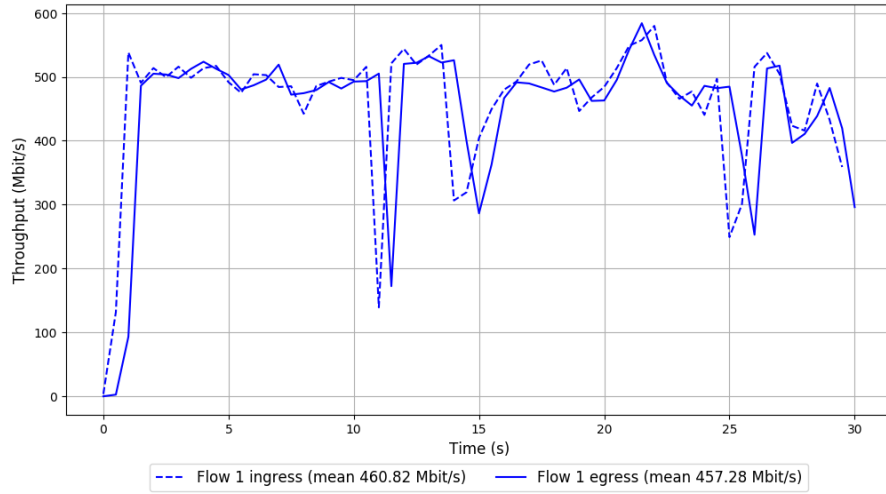
scheme	# runs	mean avg tput (Mbit/s)	mean 95th-%ile delay (ms)	mean loss rate (%)
		flow 1	flow 1	flow 1
TCP BBR	5	454.83	171.05	0.76
Copa	5	245.22	75.01	0.31
TCP Cubic	5	502.37	151.17	0.50
FillP	5	818.76	106.58	1.04
FillP-Sheep	5	822.11	92.15	0.66
Indigo	4	229.43	50.55	0.31
Indigo-MusesC3	5	528.55	76.89	0.34
Indigo-MusesC5	5	549.69	97.03	0.45
Indigo-MusesD	5	489.81	80.25	0.40
Indigo-MusesT	5	540.67	114.29	0.46
LEDBAT	5	39.93	49.04	0.40
PCC-Allegro	5	342.36	159.18	1.98
PCC-Expr	5	232.71	158.27	2.00
QUIC Cubic	4	52.98	47.31	0.45
SReAM	5	0.22	47.25	0.31
Sprout	5	9.63	48.03	0.33
TaoVA-100x	5	234.71	53.16	0.28
TCP Vegas	5	467.47	96.55	0.35
Verus	5	150.07	122.17	0.49
PCC-Vivace	5	274.48	112.78	0.48
WebRTC media	3	0.05	47.43	0.00

Run 1: Statistics of TCP BBR

Start at: 2019-04-24 14:31:13
End at: 2019-04-24 14:31:43
Local clock offset: -0.022 ms
Remote clock offset: -0.059 ms

Below is generated by plot.py at 2019-04-24 17:15:50
Datalink statistics
-- Total of 1 flow:
Average throughput: 457.28 Mbit/s
95th percentile per-packet one-way delay: 173.513 ms
Loss rate: 1.08%
-- Flow 1:
Average throughput: 457.28 Mbit/s
95th percentile per-packet one-way delay: 173.513 ms
Loss rate: 1.08%

Run 1: Report of TCP BBR — Data Link



Run 2: Statistics of TCP BBR

Start at: 2019-04-24 15:01:00

End at: 2019-04-24 15:01:30

Local clock offset: 0.01 ms

Remote clock offset: -0.026 ms

Below is generated by plot.py at 2019-04-24 17:15:50

Datalink statistics

-- Total of 1 flow:

Average throughput: 455.65 Mbit/s

95th percentile per-packet one-way delay: 162.168 ms

Loss rate: 0.48%

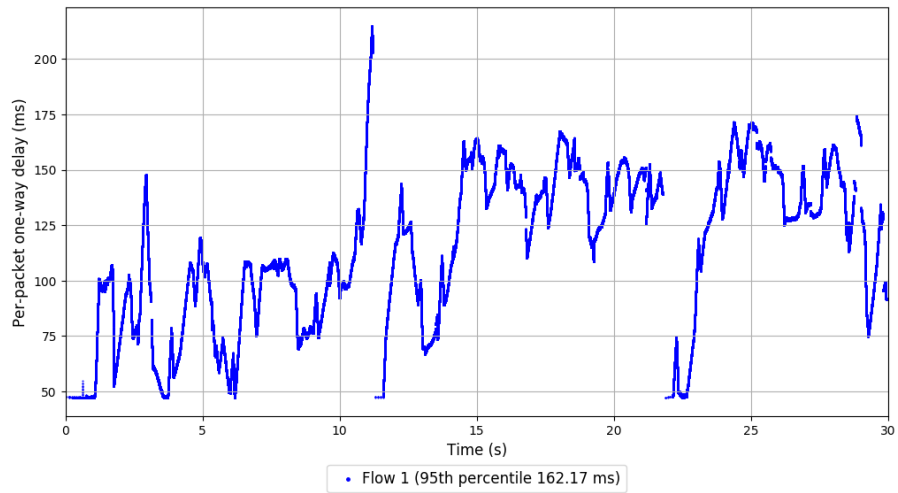
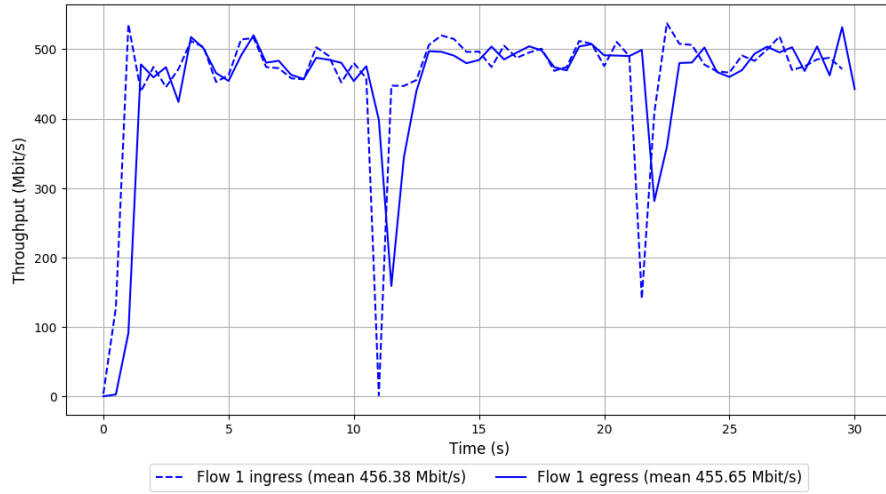
-- Flow 1:

Average throughput: 455.65 Mbit/s

95th percentile per-packet one-way delay: 162.168 ms

Loss rate: 0.48%

Run 2: Report of TCP BBR — Data Link



Run 3: Statistics of TCP BBR

Start at: 2019-04-24 15:30:45

End at: 2019-04-24 15:31:15

Local clock offset: 0.113 ms

Remote clock offset: -0.075 ms

Below is generated by plot.py at 2019-04-24 17:15:59

Datalink statistics

-- Total of 1 flow:

Average throughput: 467.19 Mbit/s

95th percentile per-packet one-way delay: 172.698 ms

Loss rate: 0.78%

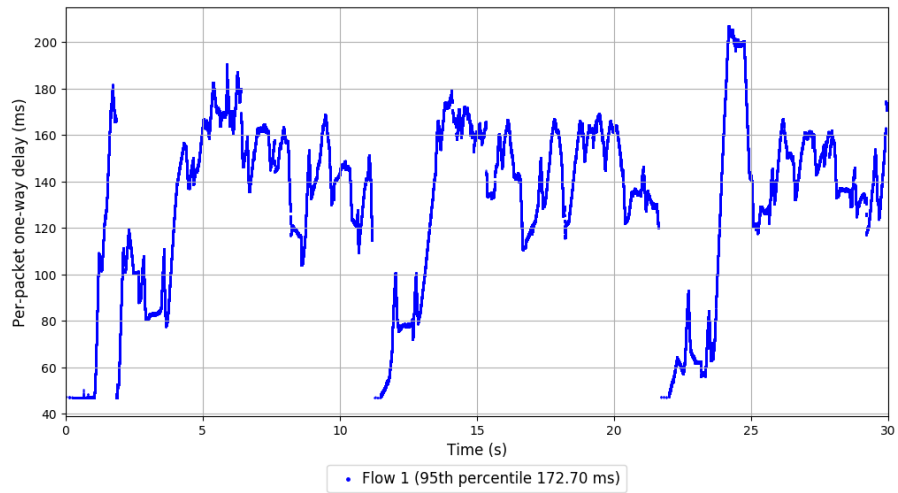
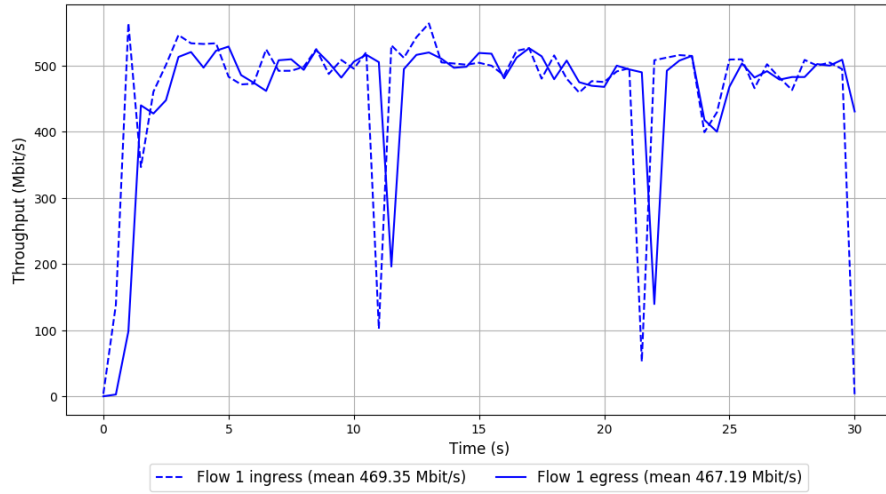
-- Flow 1:

Average throughput: 467.19 Mbit/s

95th percentile per-packet one-way delay: 172.698 ms

Loss rate: 0.78%

Run 3: Report of TCP BBR — Data Link



Run 4: Statistics of TCP BBR

Start at: 2019-04-24 16:00:29

End at: 2019-04-24 16:00:59

Local clock offset: 0.221 ms

Remote clock offset: -0.064 ms

Below is generated by plot.py at 2019-04-24 17:15:59

Datalink statistics

-- Total of 1 flow:

Average throughput: 444.67 Mbit/s

95th percentile per-packet one-way delay: 166.813 ms

Loss rate: 0.57%

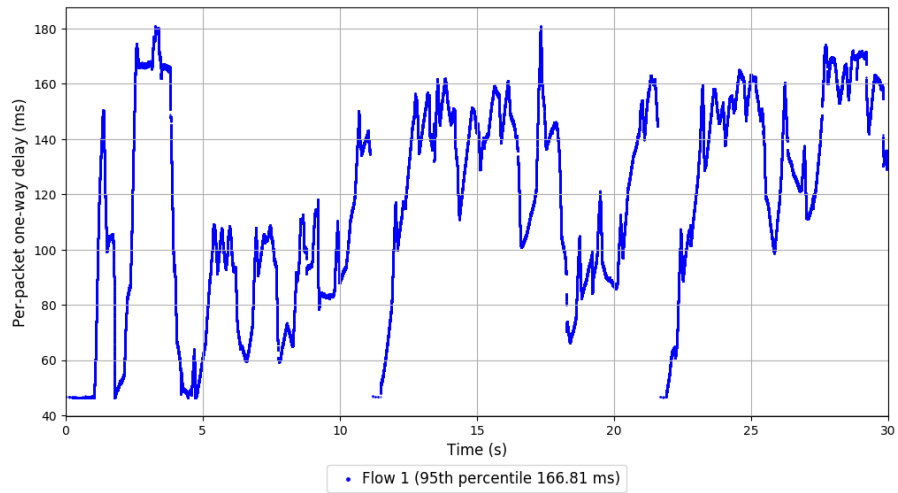
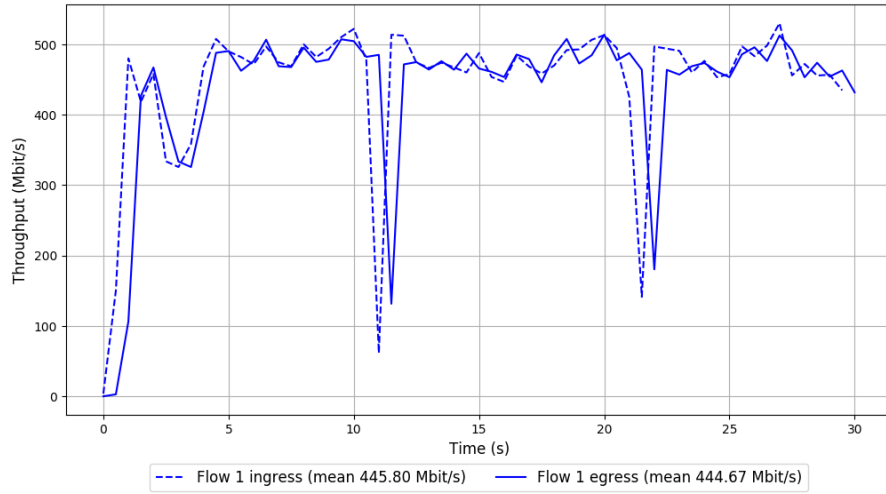
-- Flow 1:

Average throughput: 444.67 Mbit/s

95th percentile per-packet one-way delay: 166.813 ms

Loss rate: 0.57%

Run 4: Report of TCP BBR — Data Link



Run 5: Statistics of TCP BBR

Start at: 2019-04-24 16:30:28

End at: 2019-04-24 16:30:58

Local clock offset: 0.023 ms

Remote clock offset: -0.049 ms

Below is generated by plot.py at 2019-04-24 17:15:59

Datalink statistics

-- Total of 1 flow:

Average throughput: 449.37 Mbit/s

95th percentile per-packet one-way delay: 180.040 ms

Loss rate: 0.87%

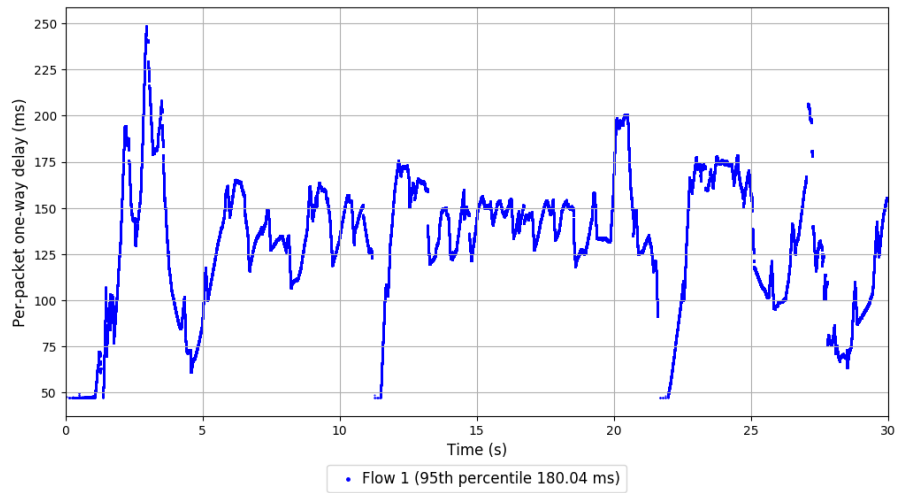
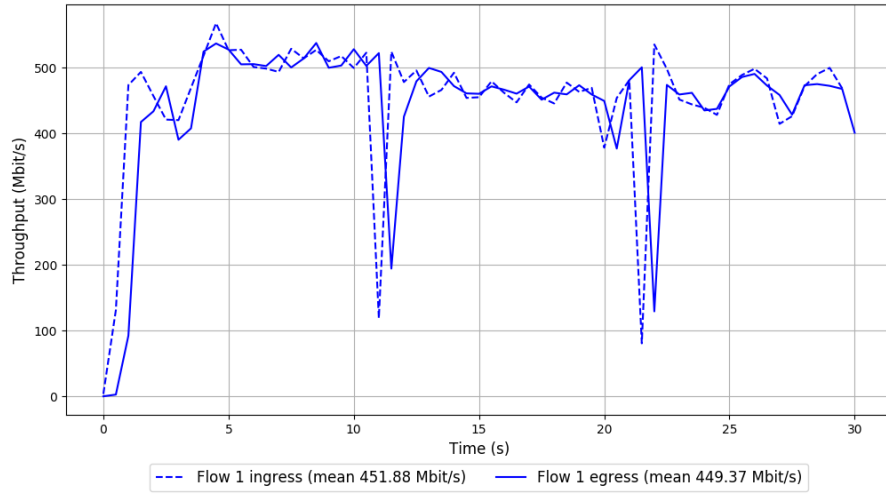
-- Flow 1:

Average throughput: 449.37 Mbit/s

95th percentile per-packet one-way delay: 180.040 ms

Loss rate: 0.87%

Run 5: Report of TCP BBR — Data Link



Run 1: Statistics of Copa

Start at: 2019-04-24 14:56:53

End at: 2019-04-24 14:57:23

Local clock offset: 0.006 ms

Remote clock offset: -0.033 ms

Below is generated by plot.py at 2019-04-24 17:15:59

Datalink statistics

-- Total of 1 flow:

Average throughput: 232.40 Mbit/s

95th percentile per-packet one-way delay: 70.371 ms

Loss rate: 0.25%

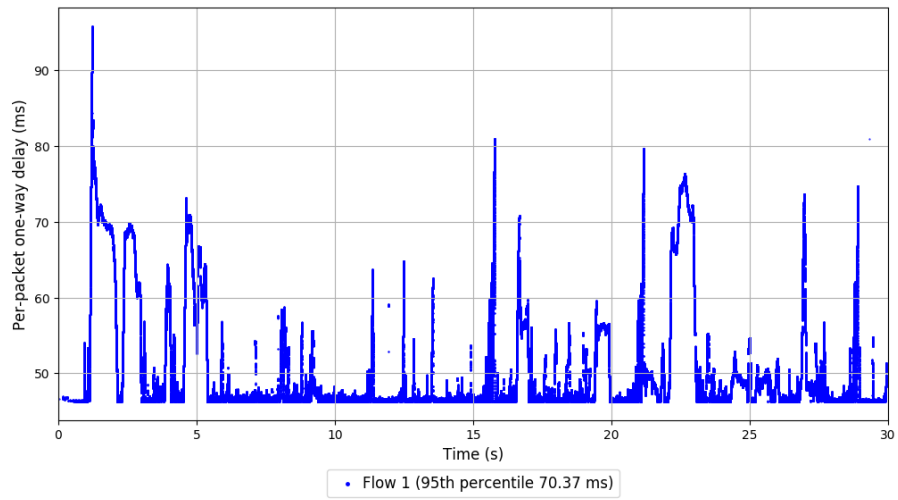
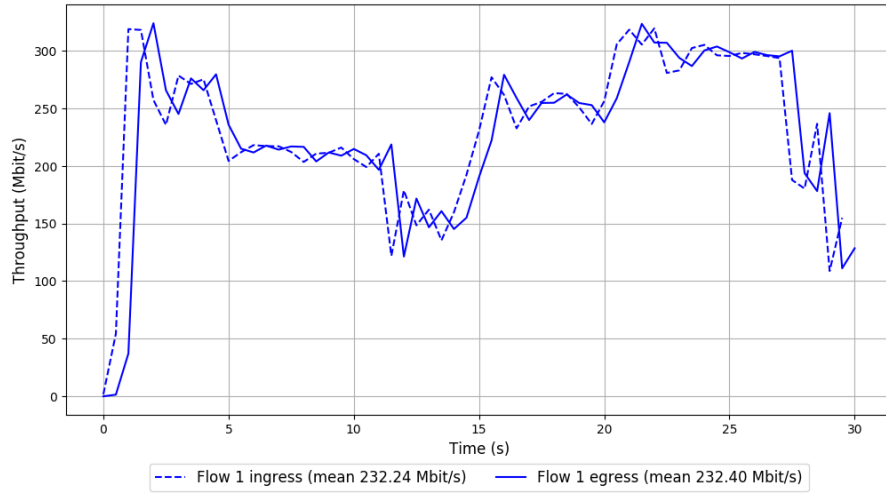
-- Flow 1:

Average throughput: 232.40 Mbit/s

95th percentile per-packet one-way delay: 70.371 ms

Loss rate: 0.25%

Run 1: Report of Copa — Data Link



Run 2: Statistics of Copa

Start at: 2019-04-24 15:26:38

End at: 2019-04-24 15:27:08

Local clock offset: 0.081 ms

Remote clock offset: -0.07 ms

Below is generated by plot.py at 2019-04-24 17:15:59

Datalink statistics

-- Total of 1 flow:

Average throughput: 231.66 Mbit/s

95th percentile per-packet one-way delay: 87.798 ms

Loss rate: 0.42%

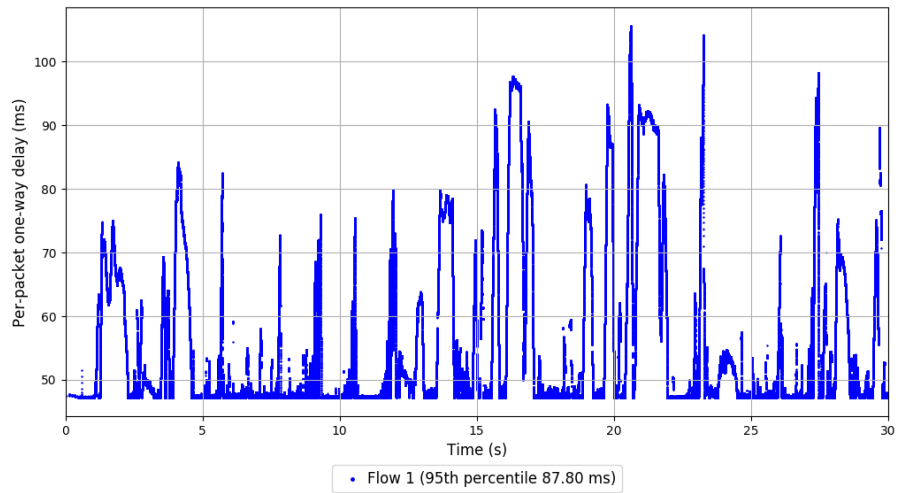
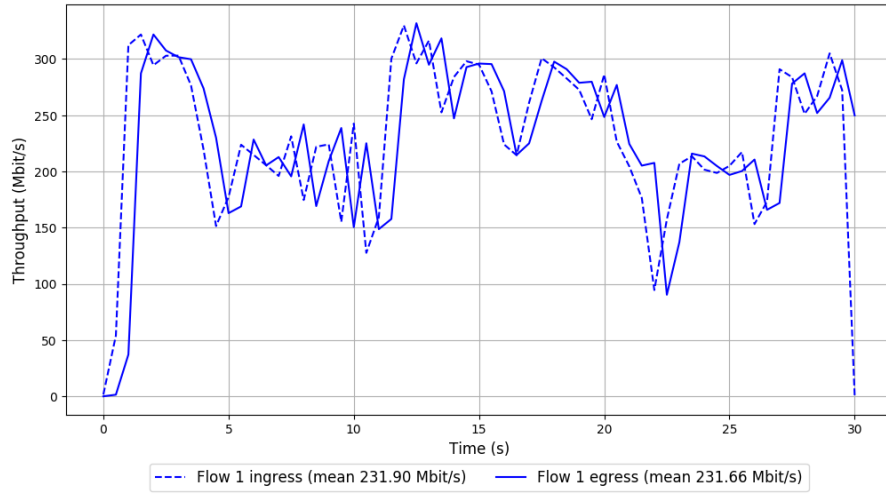
-- Flow 1:

Average throughput: 231.66 Mbit/s

95th percentile per-packet one-way delay: 87.798 ms

Loss rate: 0.42%

Run 2: Report of Copa — Data Link



Run 3: Statistics of Copa

Start at: 2019-04-24 15:56:22

End at: 2019-04-24 15:56:52

Local clock offset: 0.196 ms

Remote clock offset: -0.076 ms

Below is generated by plot.py at 2019-04-24 17:15:59

Datalink statistics

-- Total of 1 flow:

Average throughput: 236.29 Mbit/s

95th percentile per-packet one-way delay: 76.335 ms

Loss rate: 0.27%

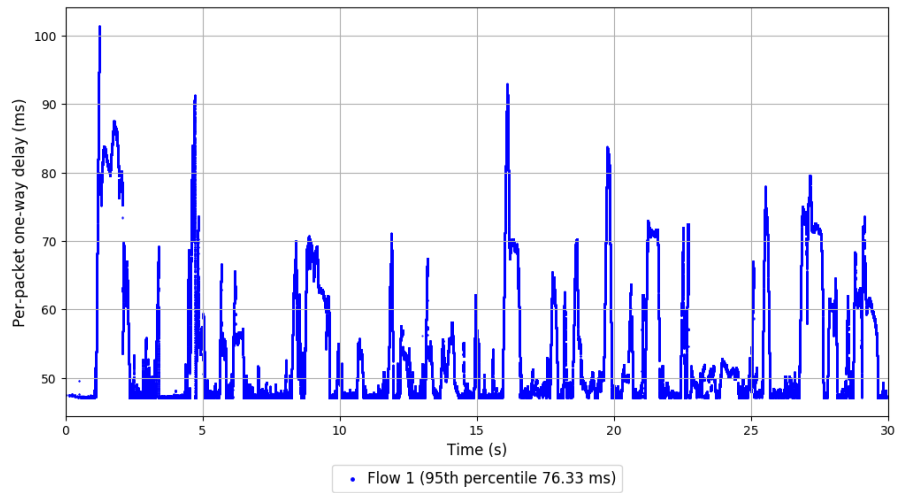
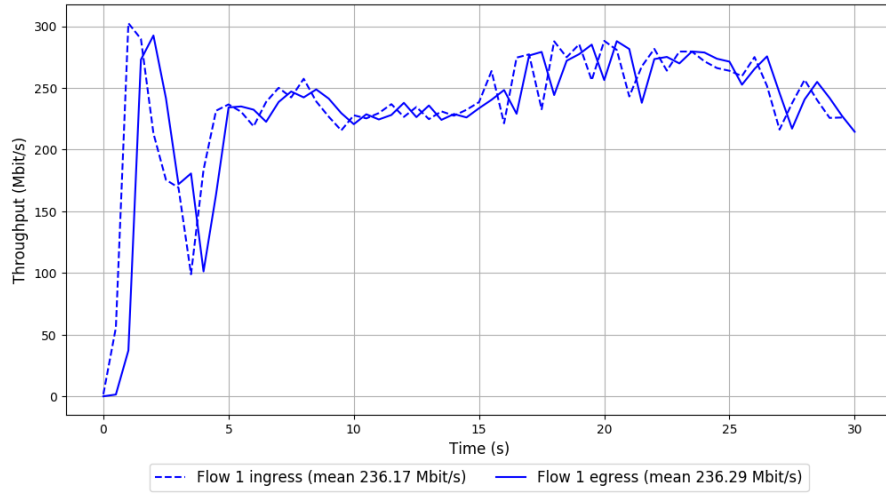
-- Flow 1:

Average throughput: 236.29 Mbit/s

95th percentile per-packet one-way delay: 76.335 ms

Loss rate: 0.27%

Run 3: Report of Copa — Data Link

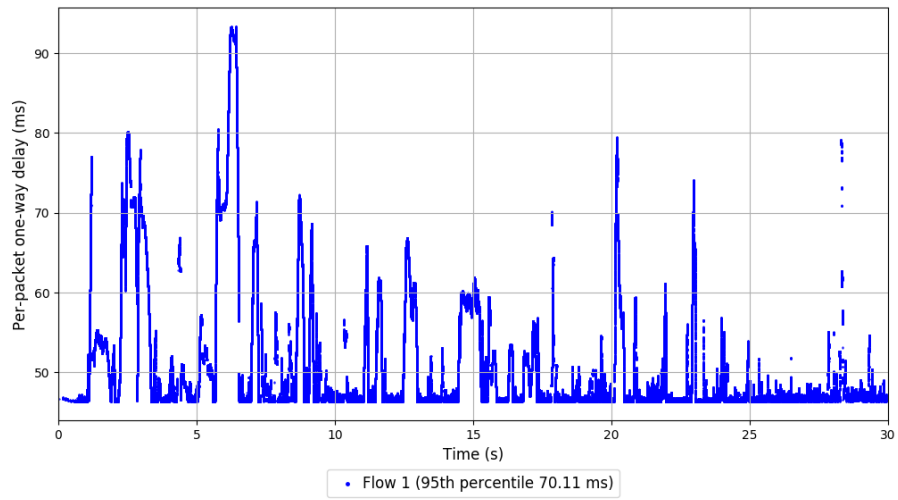
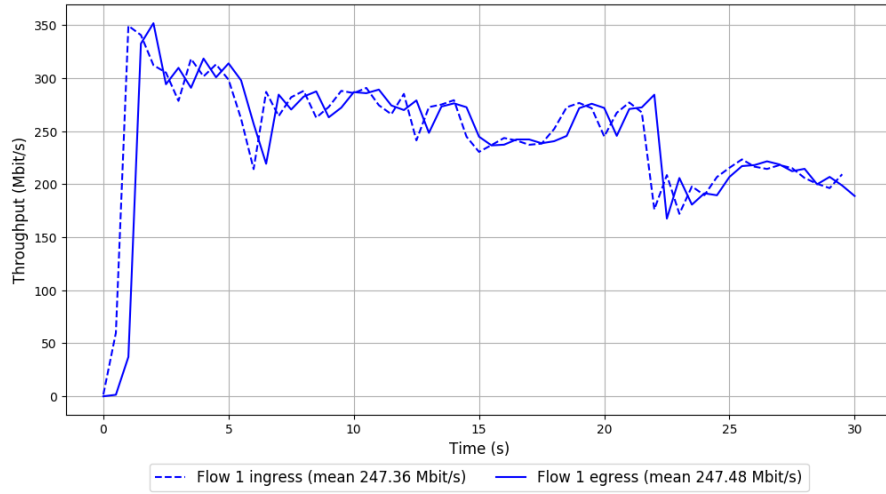


Run 4: Statistics of Copa

Start at: 2019-04-24 16:26:19
End at: 2019-04-24 16:26:49
Local clock offset: 0.026 ms
Remote clock offset: -0.037 ms

Below is generated by plot.py at 2019-04-24 17:24:28
Datalink statistics
-- Total of 1 flow:
Average throughput: 247.48 Mbit/s
95th percentile per-packet one-way delay: 70.111 ms
Loss rate: 0.26%
-- Flow 1:
Average throughput: 247.48 Mbit/s
95th percentile per-packet one-way delay: 70.111 ms
Loss rate: 0.26%

Run 4: Report of Copa — Data Link



Run 5: Statistics of Copa

Start at: 2019-04-24 16:56:07
End at: 2019-04-24 16:56:37
Local clock offset: -0.058 ms
Remote clock offset: -0.099 ms

Below is generated by plot.py at 2019-04-24 17:25:08

Datalink statistics

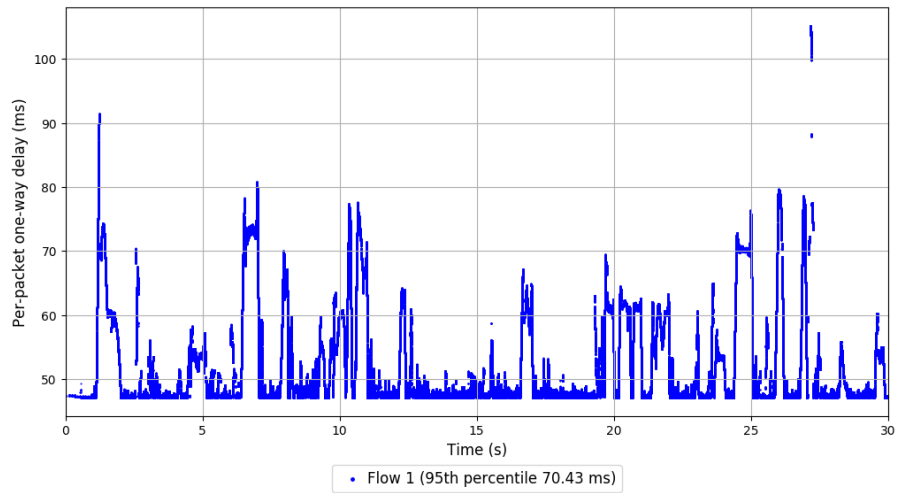
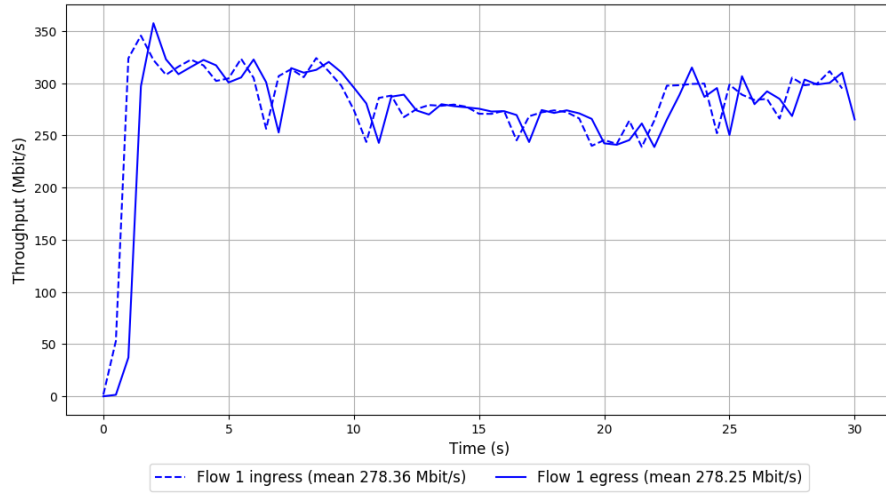
-- Total of 1 flow:

Average throughput: 278.25 Mbit/s
95th percentile per-packet one-way delay: 70.431 ms
Loss rate: 0.35%

-- Flow 1:

Average throughput: 278.25 Mbit/s
95th percentile per-packet one-way delay: 70.431 ms
Loss rate: 0.35%

Run 5: Report of Copa — Data Link



Run 1: Statistics of TCP Cubic

Start at: 2019-04-24 14:43:09
End at: 2019-04-24 14:43:39
Local clock offset: -0.055 ms
Remote clock offset: -0.009 ms

Below is generated by plot.py at 2019-04-24 17:25:08

Datalink statistics

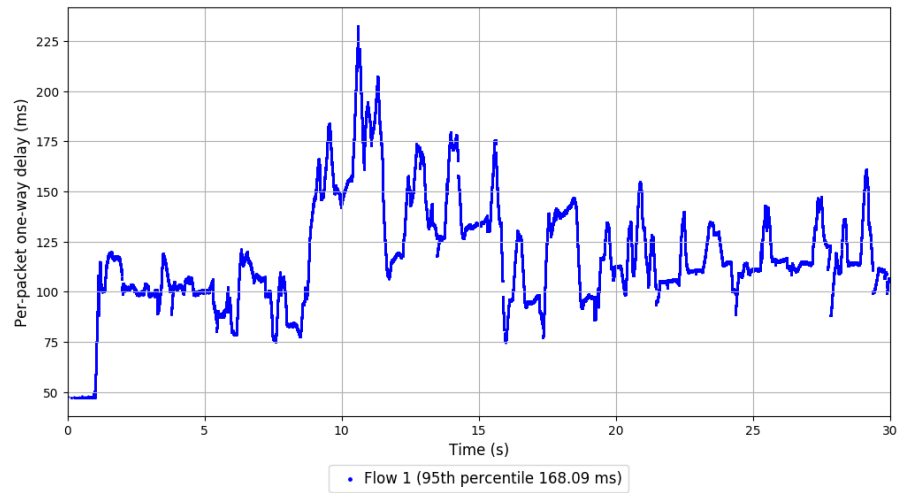
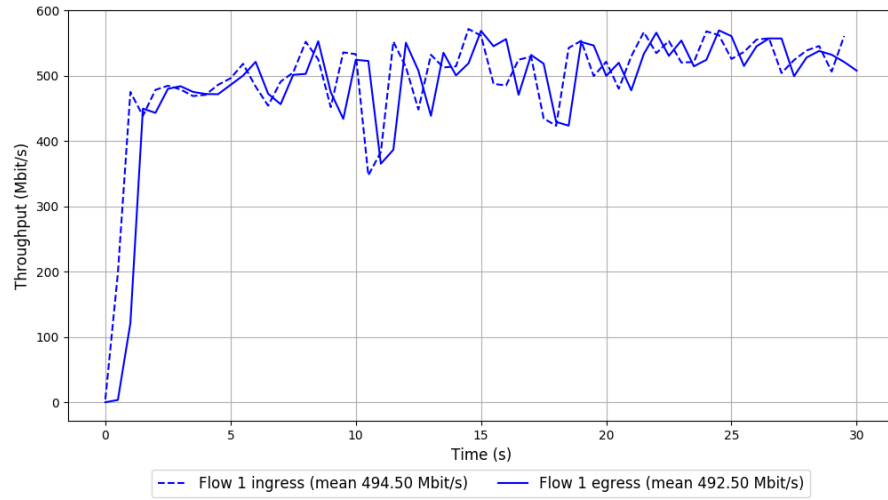
-- Total of 1 flow:

Average throughput: 492.50 Mbit/s
95th percentile per-packet one-way delay: 168.093 ms
Loss rate: 0.72%

-- Flow 1:

Average throughput: 492.50 Mbit/s
95th percentile per-packet one-way delay: 168.093 ms
Loss rate: 0.72%

Run 1: Report of TCP Cubic — Data Link

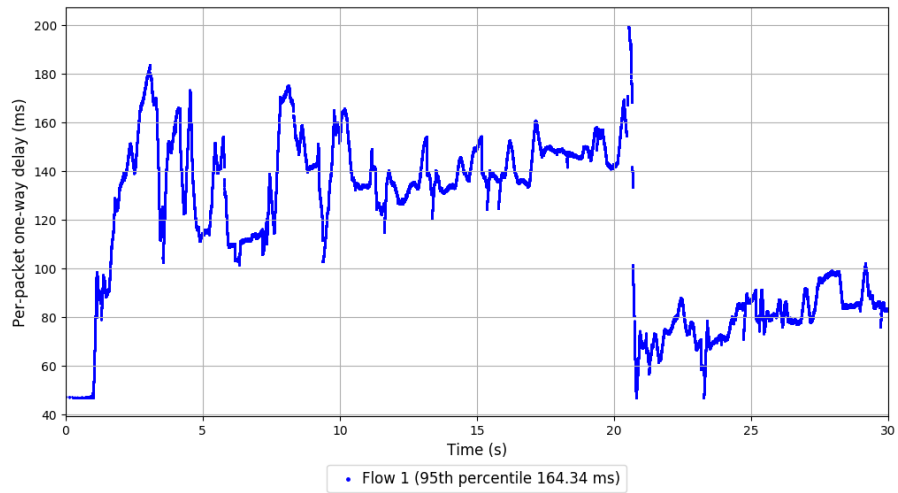
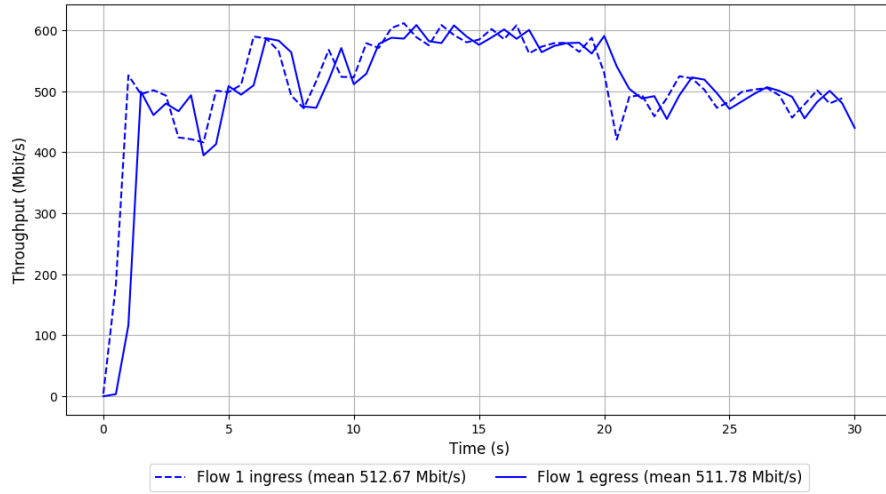


Run 2: Statistics of TCP Cubic

Start at: 2019-04-24 15:12:57
End at: 2019-04-24 15:13:27
Local clock offset: 0.01 ms
Remote clock offset: -0.059 ms

Below is generated by plot.py at 2019-04-24 17:25:18
Datalink statistics
-- Total of 1 flow:
Average throughput: 511.78 Mbit/s
95th percentile per-packet one-way delay: 164.338 ms
Loss rate: 0.49%
-- Flow 1:
Average throughput: 511.78 Mbit/s
95th percentile per-packet one-way delay: 164.338 ms
Loss rate: 0.49%

Run 2: Report of TCP Cubic — Data Link



Run 3: Statistics of TCP Cubic

Start at: 2019-04-24 15:42:41

End at: 2019-04-24 15:43:11

Local clock offset: 0.135 ms

Remote clock offset: -0.066 ms

Below is generated by plot.py at 2019-04-24 17:25:18

Datalink statistics

-- Total of 1 flow:

Average throughput: 504.43 Mbit/s

95th percentile per-packet one-way delay: 155.570 ms

Loss rate: 0.43%

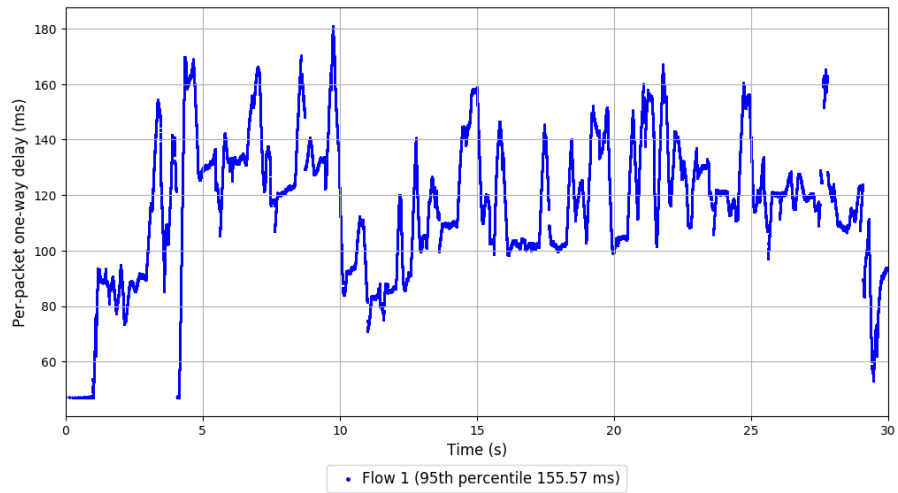
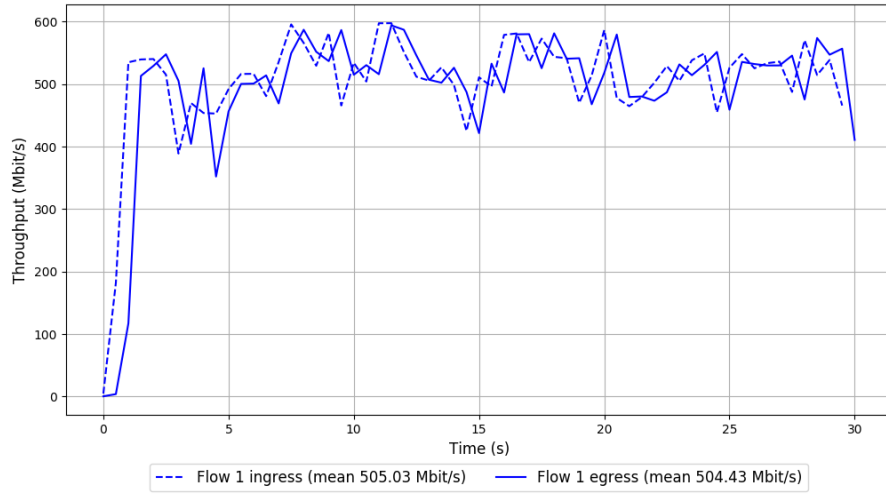
-- Flow 1:

Average throughput: 504.43 Mbit/s

95th percentile per-packet one-way delay: 155.570 ms

Loss rate: 0.43%

Run 3: Report of TCP Cubic — Data Link

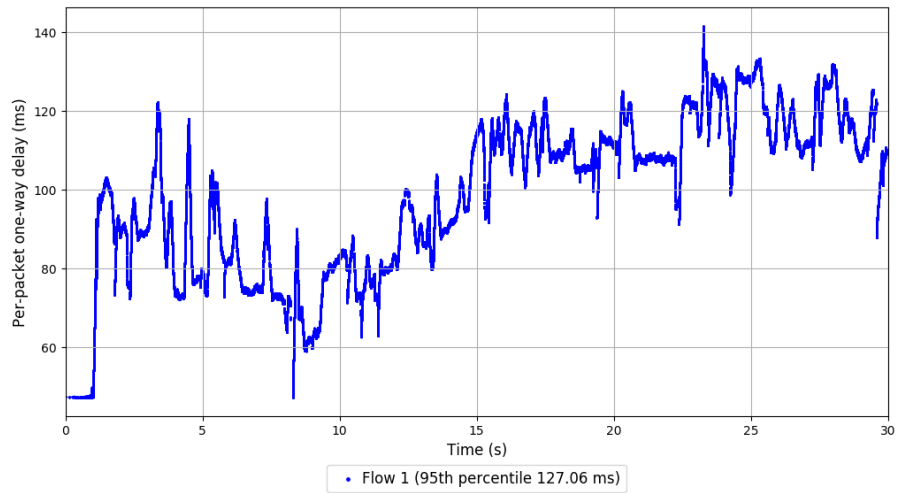
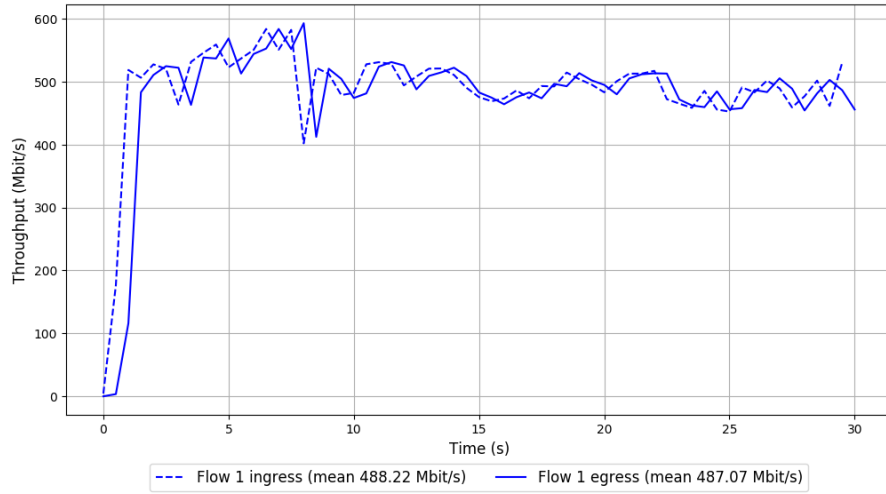


Run 4: Statistics of TCP Cubic

Start at: 2019-04-24 16:12:31
End at: 2019-04-24 16:13:01
Local clock offset: 0.101 ms
Remote clock offset: -0.053 ms

Below is generated by plot.py at 2019-04-24 17:25:18
Datalink statistics
-- Total of 1 flow:
Average throughput: 487.07 Mbit/s
95th percentile per-packet one-way delay: 127.065 ms
Loss rate: 0.55%
-- Flow 1:
Average throughput: 487.07 Mbit/s
95th percentile per-packet one-way delay: 127.065 ms
Loss rate: 0.55%

Run 4: Report of TCP Cubic — Data Link

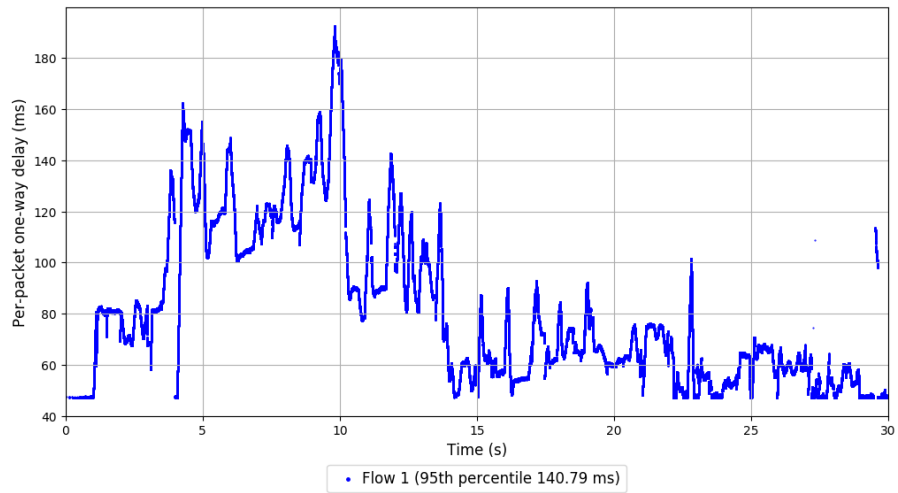
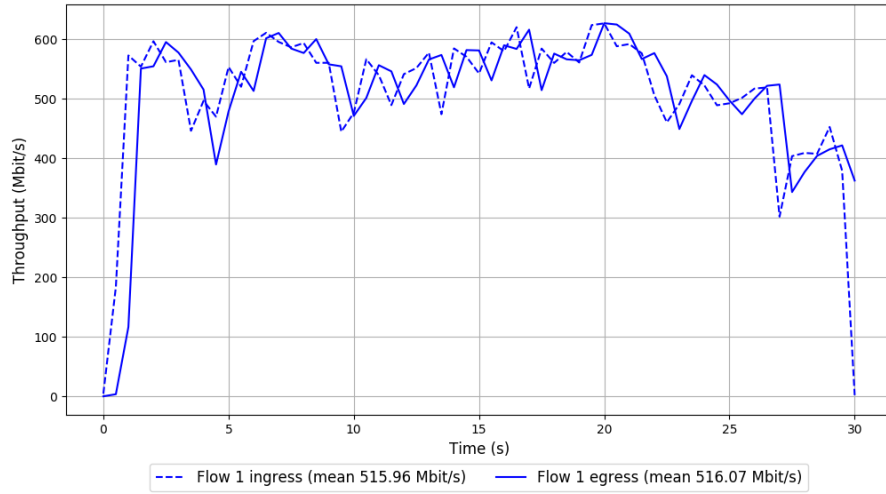


Run 5: Statistics of TCP Cubic

Start at: 2019-04-24 16:42:19
End at: 2019-04-24 16:42:49
Local clock offset: 0.013 ms
Remote clock offset: -0.088 ms

Below is generated by plot.py at 2019-04-24 17:25:37
Datalink statistics
-- Total of 1 flow:
Average throughput: 516.07 Mbit/s
95th percentile per-packet one-way delay: 140.790 ms
Loss rate: 0.29%
-- Flow 1:
Average throughput: 516.07 Mbit/s
95th percentile per-packet one-way delay: 140.790 ms
Loss rate: 0.29%

Run 5: Report of TCP Cubic — Data Link

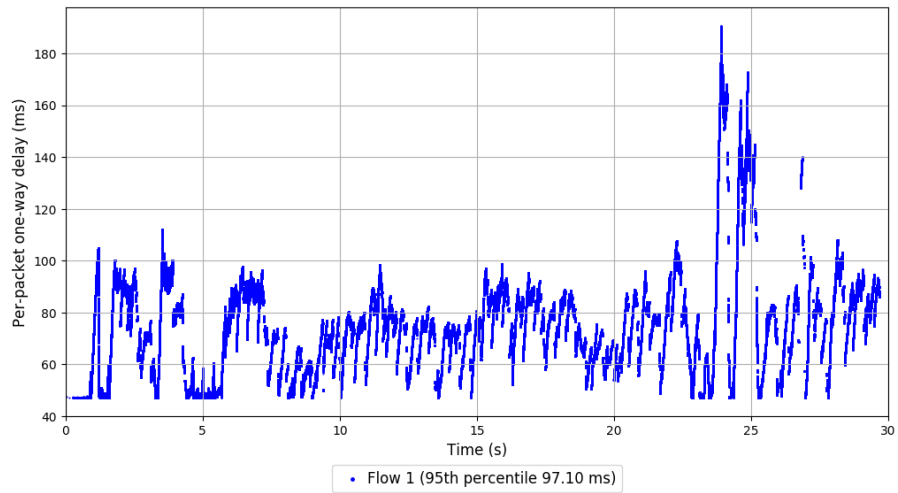
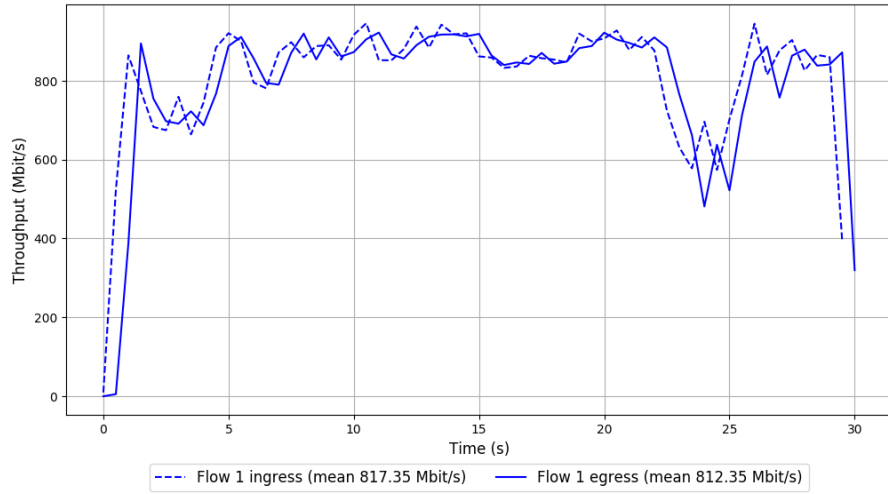


Run 1: Statistics of FillP

Start at: 2019-04-24 14:34:21
End at: 2019-04-24 14:34:51
Local clock offset: 0.001 ms
Remote clock offset: -0.039 ms

Below is generated by plot.py at 2019-04-24 17:33:05
Datalink statistics
-- Total of 1 flow:
Average throughput: 812.35 Mbit/s
95th percentile per-packet one-way delay: 97.101 ms
Loss rate: 0.93%
-- Flow 1:
Average throughput: 812.35 Mbit/s
95th percentile per-packet one-way delay: 97.101 ms
Loss rate: 0.93%

Run 1: Report of FillP — Data Link

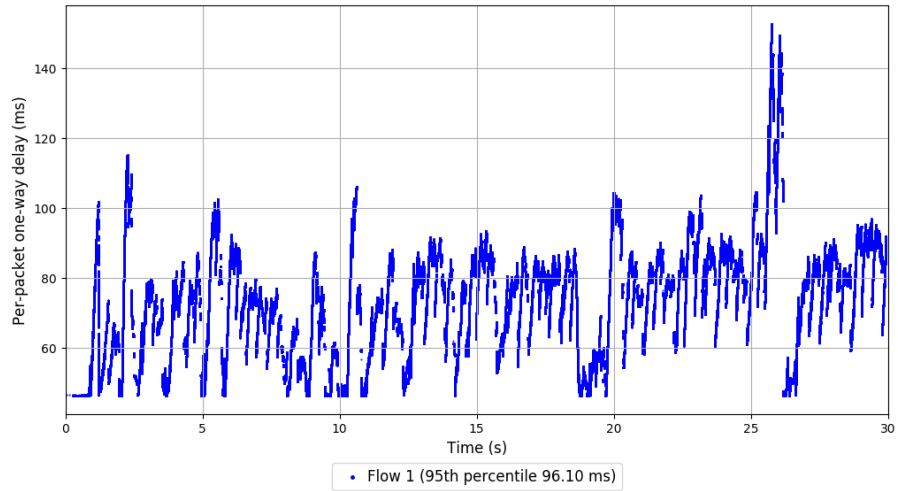
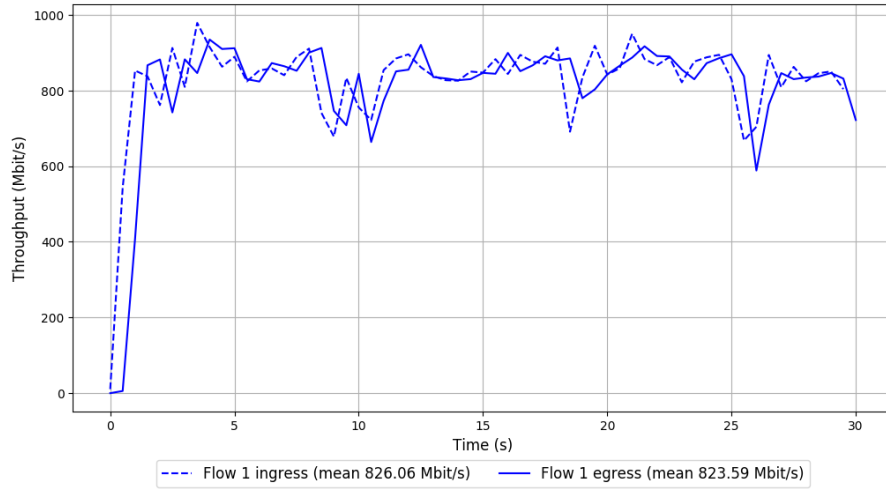


Run 2: Statistics of FillP

Start at: 2019-04-24 15:04:09
End at: 2019-04-24 15:04:39
Local clock offset: 0.029 ms
Remote clock offset: -0.084 ms

Below is generated by plot.py at 2019-04-24 17:43:37
Datalink statistics
-- Total of 1 flow:
Average throughput: 823.59 Mbit/s
95th percentile per-packet one-way delay: 96.102 ms
Loss rate: 0.61%
-- Flow 1:
Average throughput: 823.59 Mbit/s
95th percentile per-packet one-way delay: 96.102 ms
Loss rate: 0.61%

Run 2: Report of FillP — Data Link



Run 3: Statistics of FillP

Start at: 2019-04-24 15:33:54

End at: 2019-04-24 15:34:24

Local clock offset: 0.107 ms

Remote clock offset: -0.039 ms

Below is generated by plot.py at 2019-04-24 17:44:14

Datalink statistics

-- Total of 1 flow:

Average throughput: 833.24 Mbit/s

95th percentile per-packet one-way delay: 101.328 ms

Loss rate: 0.73%

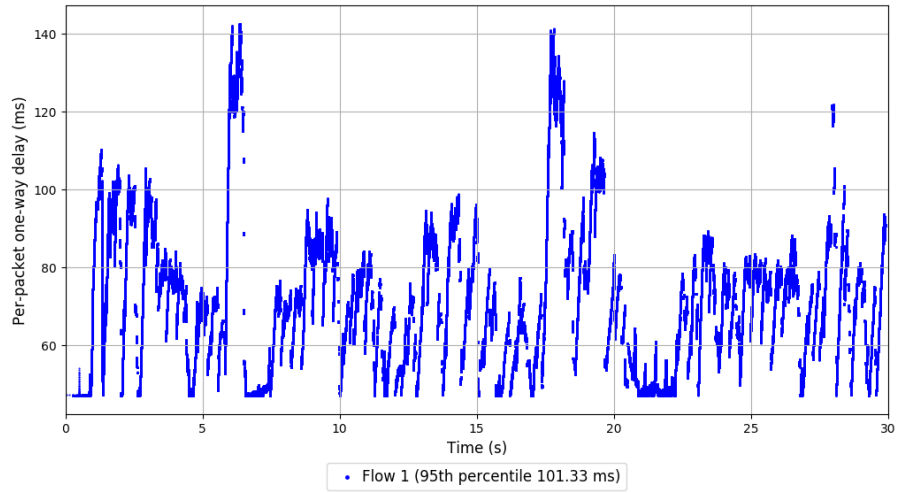
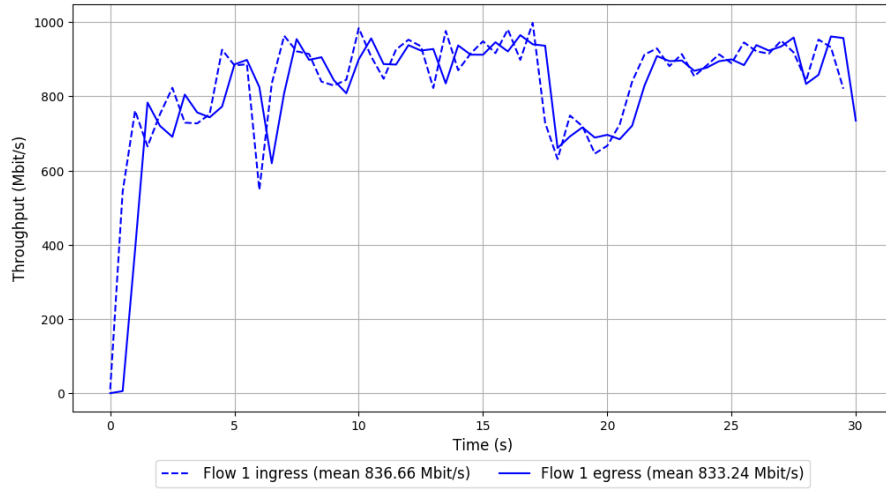
-- Flow 1:

Average throughput: 833.24 Mbit/s

95th percentile per-packet one-way delay: 101.328 ms

Loss rate: 0.73%

Run 3: Report of FillP — Data Link

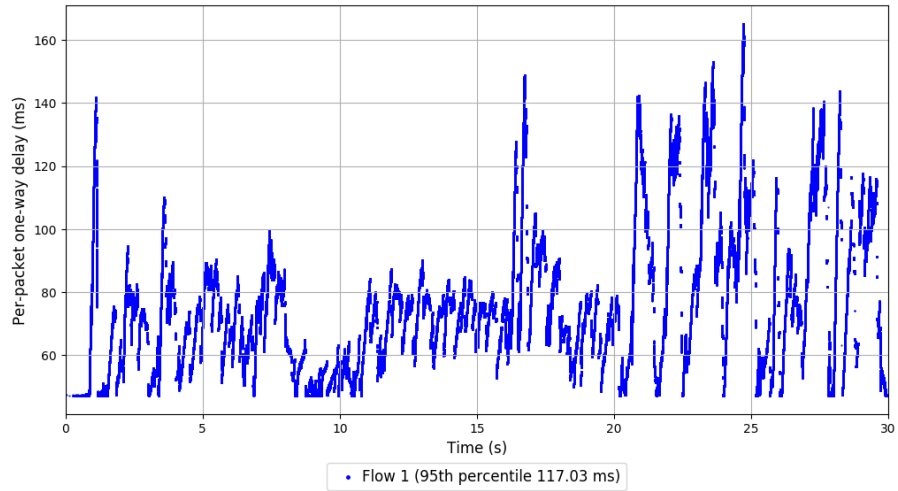
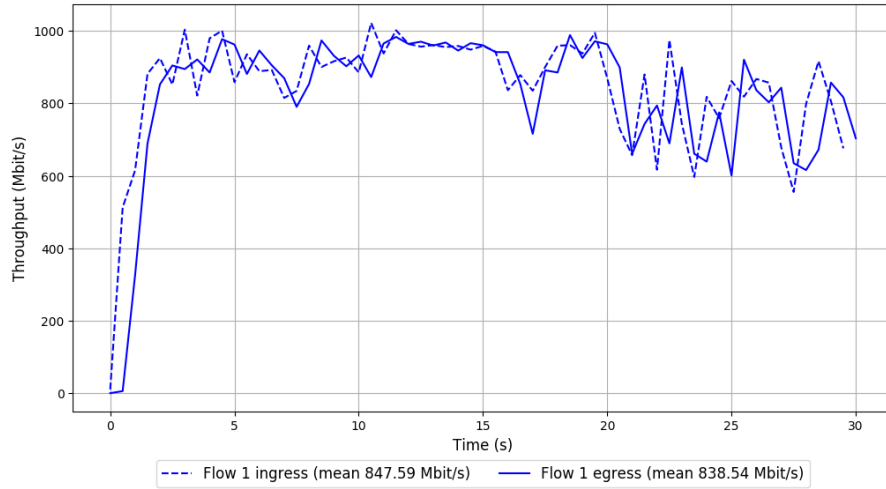


Run 4: Statistics of FillP

Start at: 2019-04-24 16:03:40
End at: 2019-04-24 16:04:10
Local clock offset: 0.142 ms
Remote clock offset: -0.043 ms

Below is generated by plot.py at 2019-04-24 17:44:35
Datalink statistics
-- Total of 1 flow:
Average throughput: 838.54 Mbit/s
95th percentile per-packet one-way delay: 117.029 ms
Loss rate: 1.38%
-- Flow 1:
Average throughput: 838.54 Mbit/s
95th percentile per-packet one-way delay: 117.029 ms
Loss rate: 1.38%

Run 4: Report of FillP — Data Link

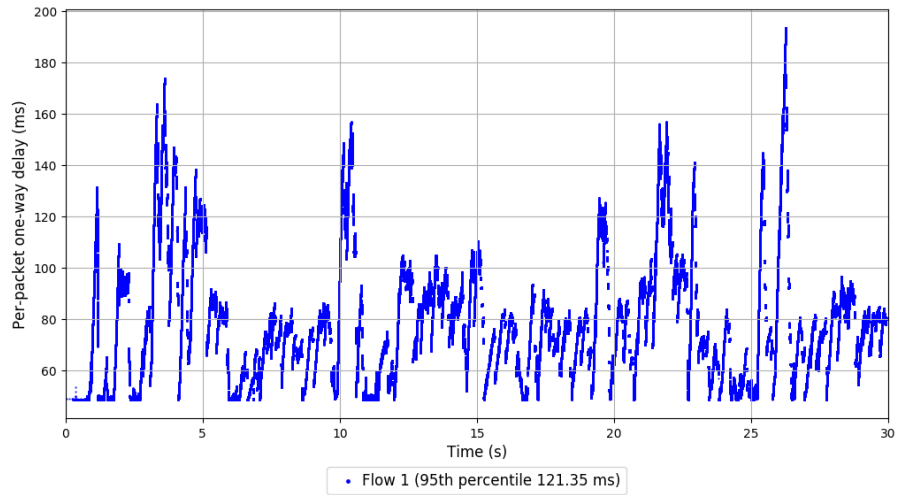
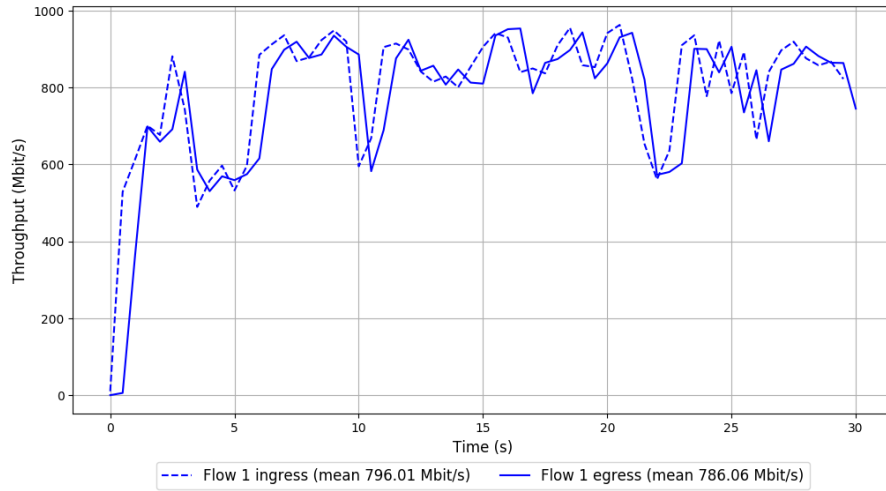


Run 5: Statistics of FillP

Start at: 2019-04-24 16:33:36
End at: 2019-04-24 16:34:06
Local clock offset: 0.002 ms
Remote clock offset: -0.024 ms

Below is generated by plot.py at 2019-04-24 17:44:35
Datalink statistics
-- Total of 1 flow:
Average throughput: 786.06 Mbit/s
95th percentile per-packet one-way delay: 121.354 ms
Loss rate: 1.57%
-- Flow 1:
Average throughput: 786.06 Mbit/s
95th percentile per-packet one-way delay: 121.354 ms
Loss rate: 1.57%

Run 5: Report of FillP — Data Link



Run 1: Statistics of FillP-Sheep

Start at: 2019-04-24 14:32:44

End at: 2019-04-24 14:33:14

Local clock offset: -0.019 ms

Remote clock offset: -0.037 ms

Below is generated by plot.py at 2019-04-24 17:44:35

Datalink statistics

-- Total of 1 flow:

Average throughput: 763.92 Mbit/s

95th percentile per-packet one-way delay: 88.112 ms

Loss rate: 0.46%

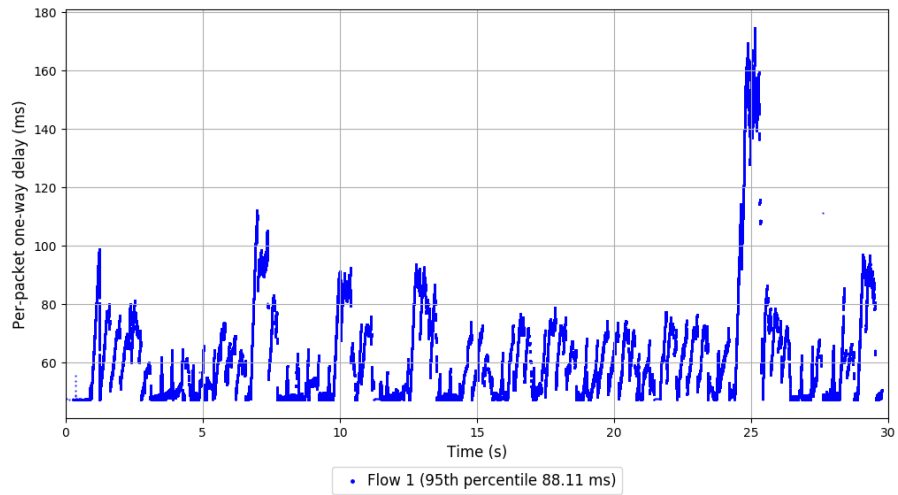
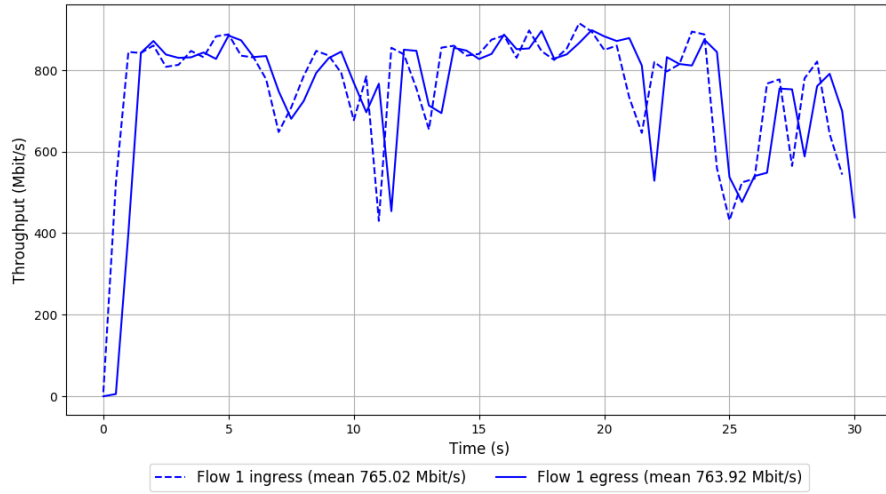
-- Flow 1:

Average throughput: 763.92 Mbit/s

95th percentile per-packet one-way delay: 88.112 ms

Loss rate: 0.46%

Run 1: Report of FillP-Sheep — Data Link



Run 2: Statistics of FillP-Sheep

Start at: 2019-04-24 15:02:29

End at: 2019-04-24 15:02:59

Local clock offset: 0.015 ms

Remote clock offset: -0.071 ms

Below is generated by plot.py at 2019-04-24 17:44:35

Datalink statistics

-- Total of 1 flow:

Average throughput: 822.82 Mbit/s

95th percentile per-packet one-way delay: 88.575 ms

Loss rate: 0.50%

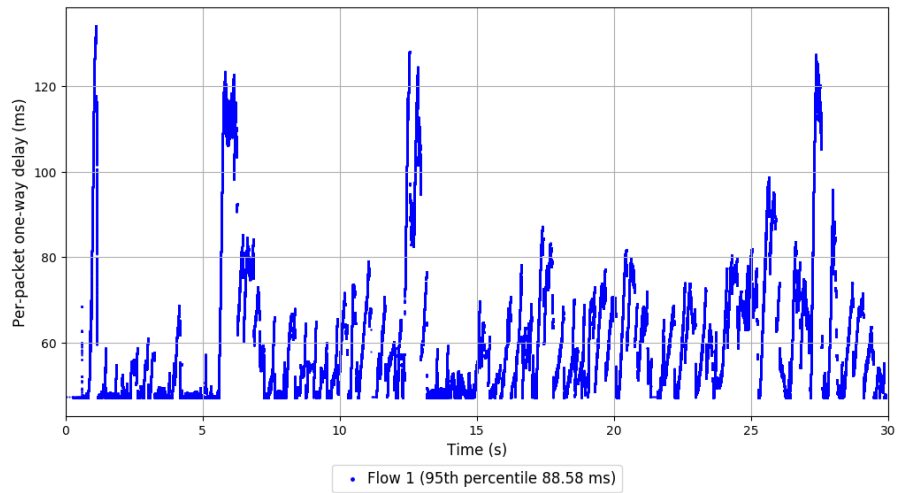
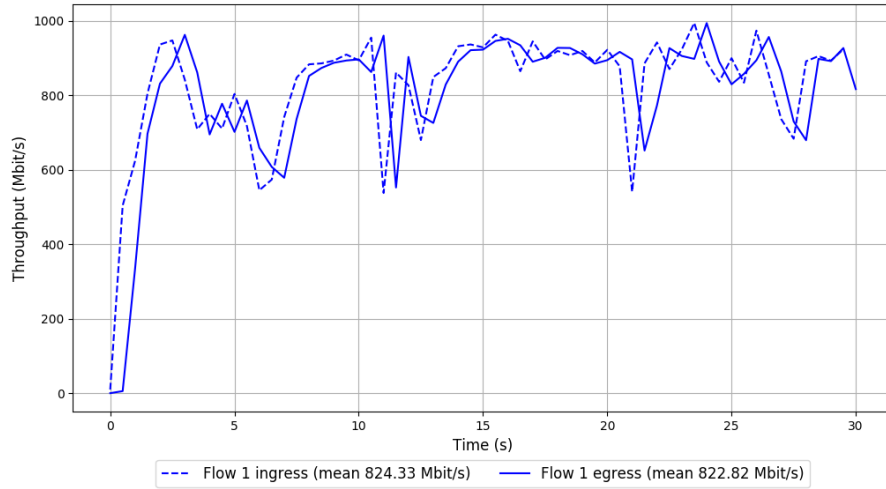
-- Flow 1:

Average throughput: 822.82 Mbit/s

95th percentile per-packet one-way delay: 88.575 ms

Loss rate: 0.50%

Run 2: Report of FillP-Sheep — Data Link

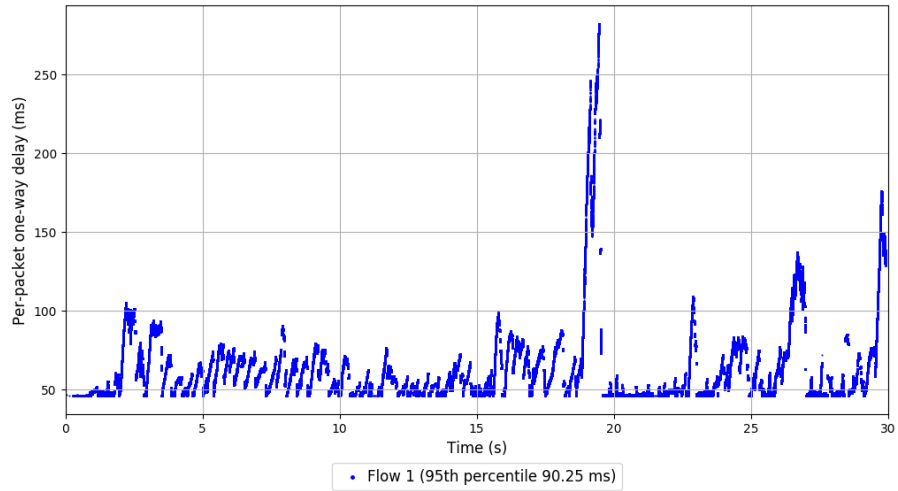
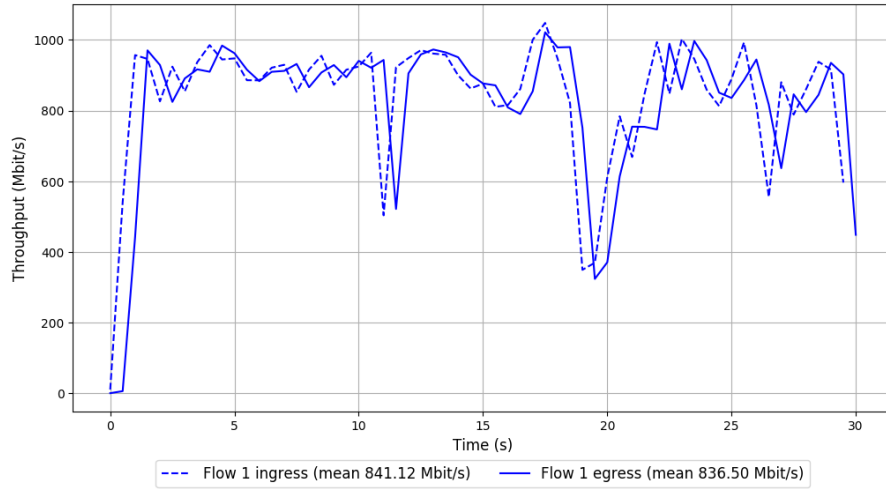


Run 3: Statistics of FillP-Sheep

Start at: 2019-04-24 15:32:14
End at: 2019-04-24 15:32:44
Local clock offset: -0.244 ms
Remote clock offset: -0.056 ms

Below is generated by plot.py at 2019-04-24 17:45:06
Datalink statistics
-- Total of 1 flow:
Average throughput: 836.50 Mbit/s
95th percentile per-packet one-way delay: 90.255 ms
Loss rate: 0.86%
-- Flow 1:
Average throughput: 836.50 Mbit/s
95th percentile per-packet one-way delay: 90.255 ms
Loss rate: 0.86%

Run 3: Report of FillP-Sheep — Data Link



Run 4: Statistics of FillP-Sheep

Start at: 2019-04-24 16:01:58

End at: 2019-04-24 16:02:28

Local clock offset: 0.177 ms

Remote clock offset: -0.044 ms

Below is generated by plot.py at 2019-04-24 17:56:54

Datalink statistics

-- Total of 1 flow:

Average throughput: 887.73 Mbit/s

95th percentile per-packet one-way delay: 88.576 ms

Loss rate: 0.63%

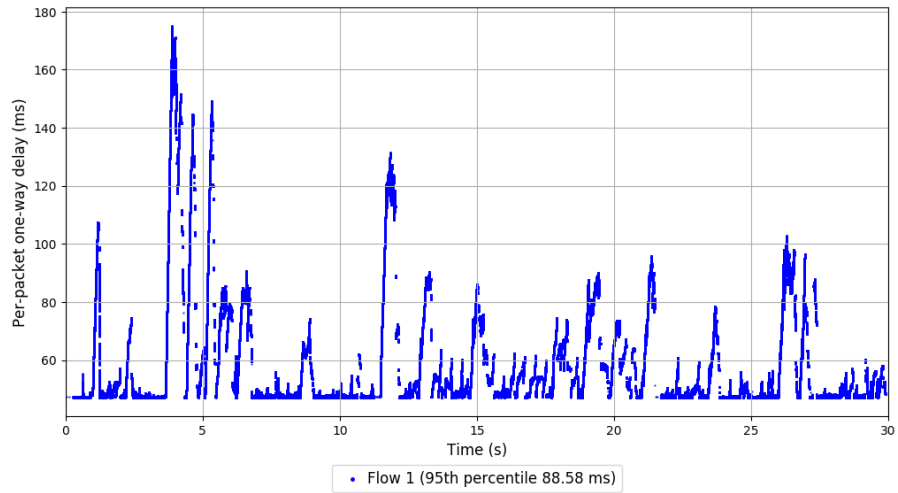
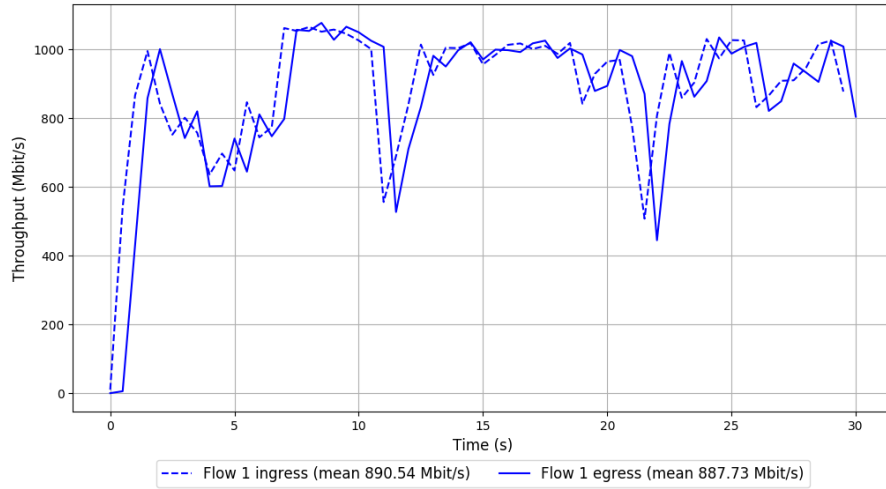
-- Flow 1:

Average throughput: 887.73 Mbit/s

95th percentile per-packet one-way delay: 88.576 ms

Loss rate: 0.63%

Run 4: Report of FillP-Sheep — Data Link



Run 5: Statistics of FillP-Sheep

Start at: 2019-04-24 16:31:57

End at: 2019-04-24 16:32:27

Local clock offset: 0.011 ms

Remote clock offset: -0.029 ms

Below is generated by plot.py at 2019-04-24 18:01:33

Datalink statistics

-- Total of 1 flow:

Average throughput: 799.60 Mbit/s

95th percentile per-packet one-way delay: 105.234 ms

Loss rate: 0.85%

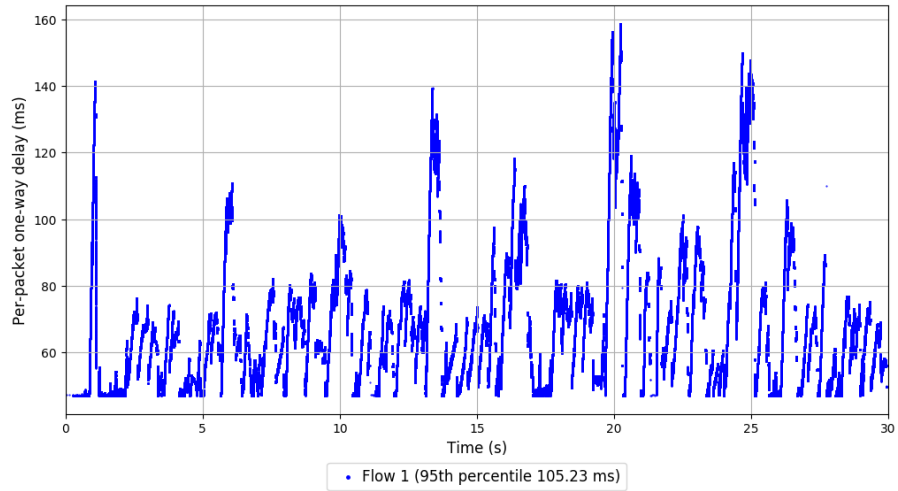
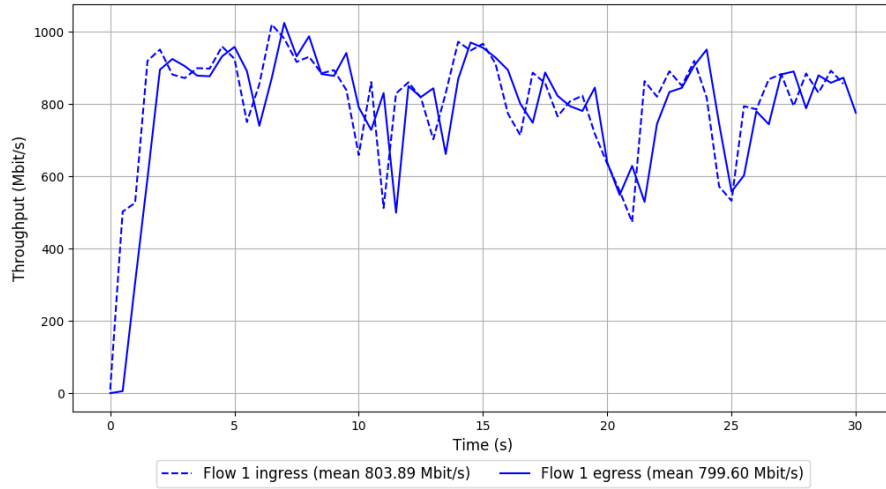
-- Flow 1:

Average throughput: 799.60 Mbit/s

95th percentile per-packet one-way delay: 105.234 ms

Loss rate: 0.85%

Run 5: Report of FillP-Sheep — Data Link



Run 1: Statistics of Indigo

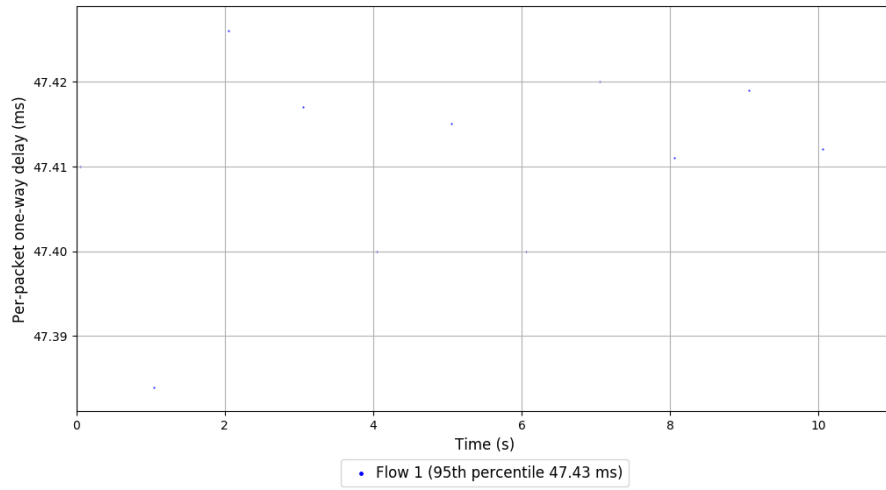
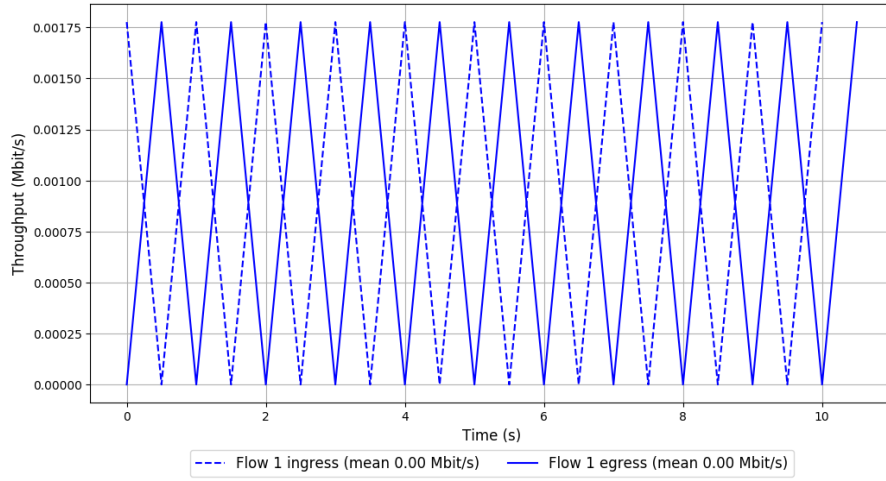
Start at: 2019-04-24 14:30:06

End at: 2019-04-24 14:30:36

Local clock offset: -0.007 ms

Remote clock offset: -0.055 ms

Run 1: Report of Indigo — Data Link

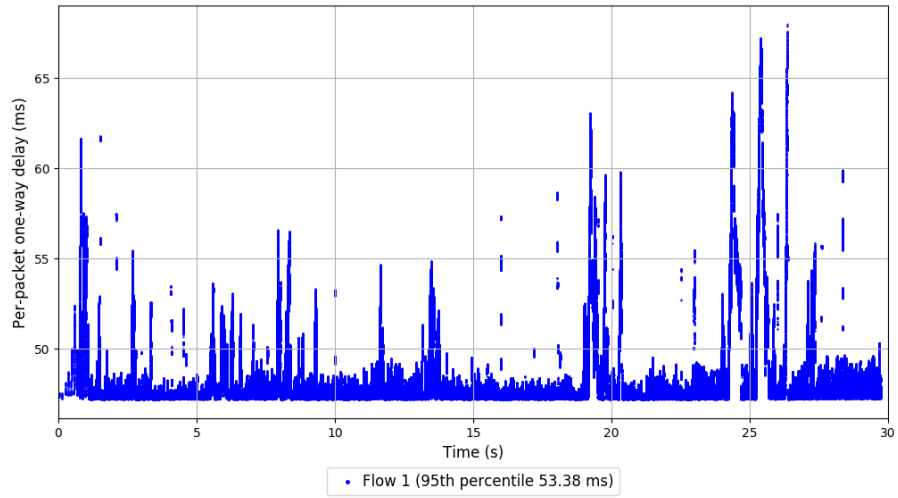
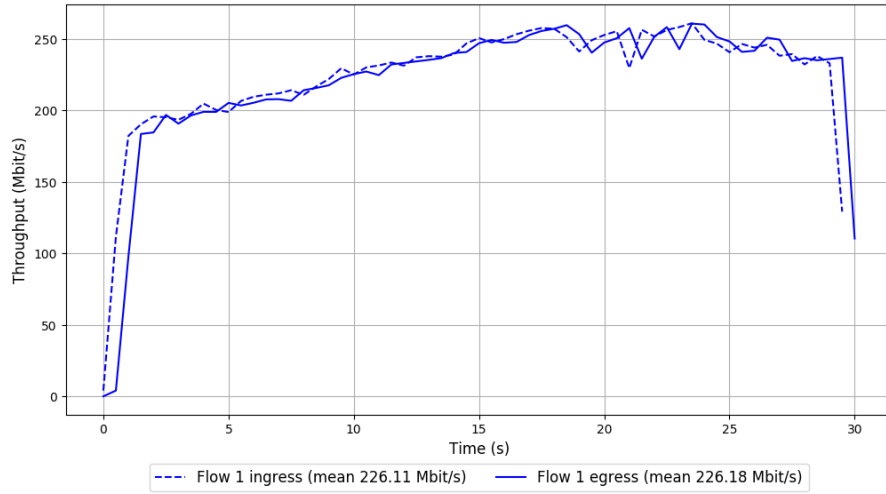


Run 2: Statistics of Indigo

Start at: 2019-04-24 14:59:32
End at: 2019-04-24 15:00:02
Local clock offset: 0.027 ms
Remote clock offset: -0.071 ms

Below is generated by plot.py at 2019-04-24 18:01:33
Datalink statistics
-- Total of 1 flow:
Average throughput: 226.18 Mbit/s
95th percentile per-packet one-way delay: 53.382 ms
Loss rate: 0.29%
-- Flow 1:
Average throughput: 226.18 Mbit/s
95th percentile per-packet one-way delay: 53.382 ms
Loss rate: 0.29%

Run 2: Report of Indigo — Data Link



Run 3: Statistics of Indigo

Start at: 2019-04-24 15:29:17
End at: 2019-04-24 15:29:47
Local clock offset: 0.102 ms
Remote clock offset: -0.117 ms

Below is generated by plot.py at 2019-04-24 18:01:33

Datalink statistics

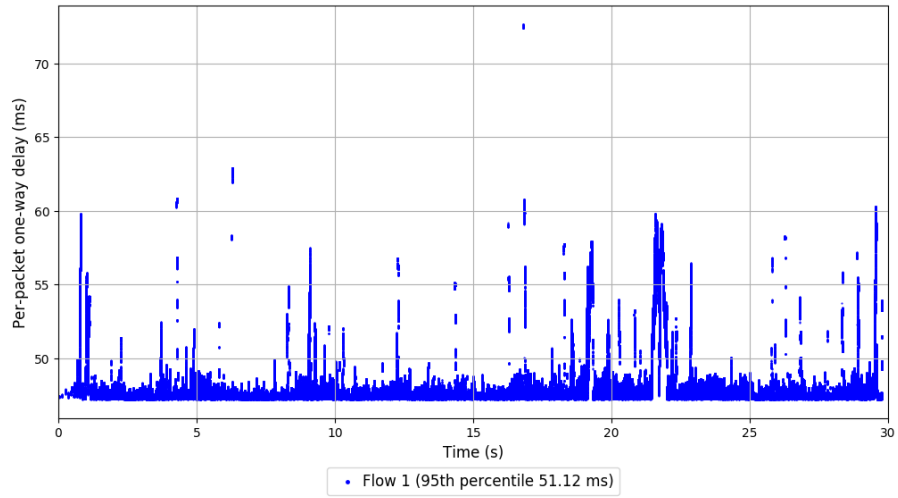
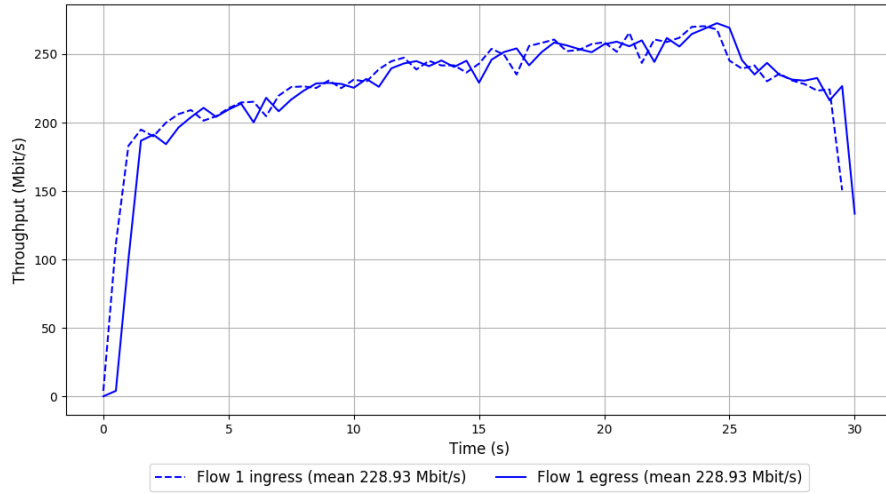
-- Total of 1 flow:

Average throughput: 228.93 Mbit/s
95th percentile per-packet one-way delay: 51.119 ms
Loss rate: 0.32%

-- Flow 1:

Average throughput: 228.93 Mbit/s
95th percentile per-packet one-way delay: 51.119 ms
Loss rate: 0.32%

Run 3: Report of Indigo — Data Link

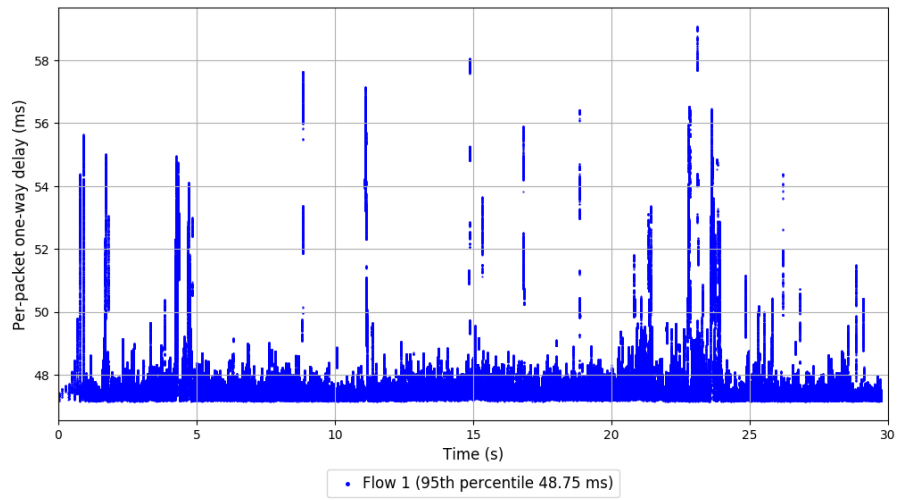
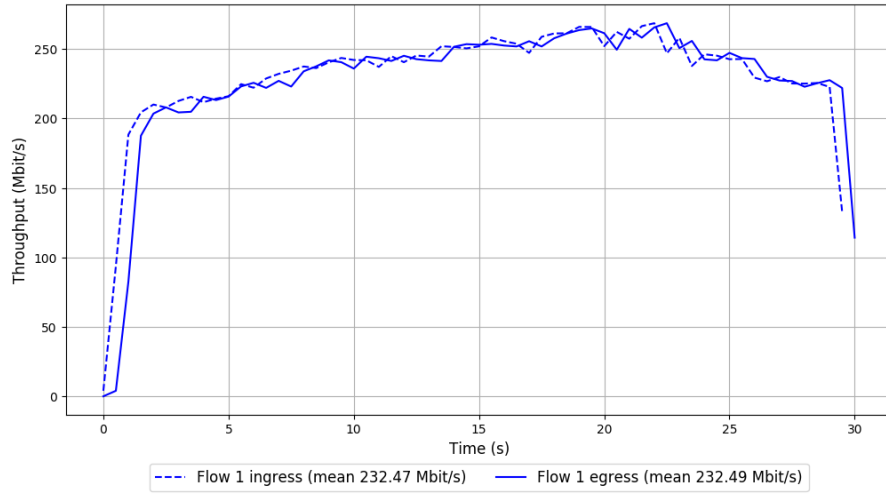


Run 4: Statistics of Indigo

Start at: 2019-04-24 15:59:01
End at: 2019-04-24 15:59:31
Local clock offset: 0.225 ms
Remote clock offset: -0.035 ms

Below is generated by plot.py at 2019-04-24 18:01:33
Datalink statistics
-- Total of 1 flow:
Average throughput: 232.49 Mbit/s
95th percentile per-packet one-way delay: 48.746 ms
Loss rate: 0.31%
-- Flow 1:
Average throughput: 232.49 Mbit/s
95th percentile per-packet one-way delay: 48.746 ms
Loss rate: 0.31%

Run 4: Report of Indigo — Data Link

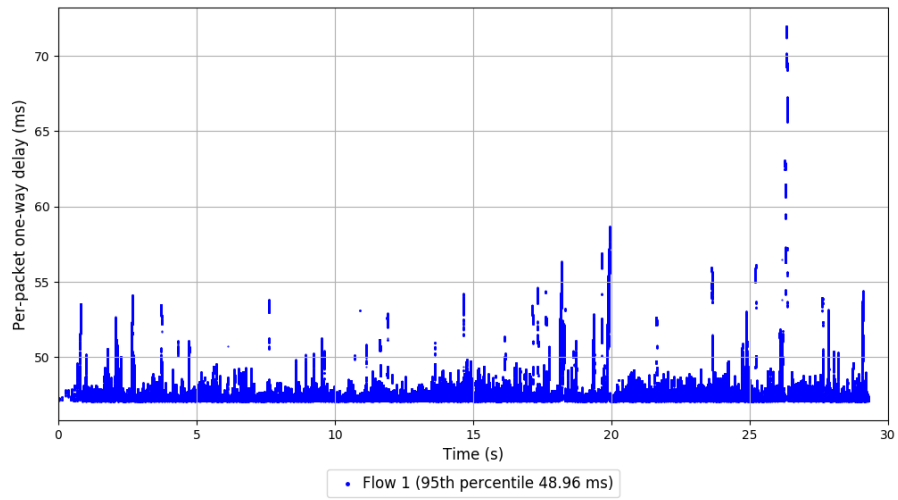
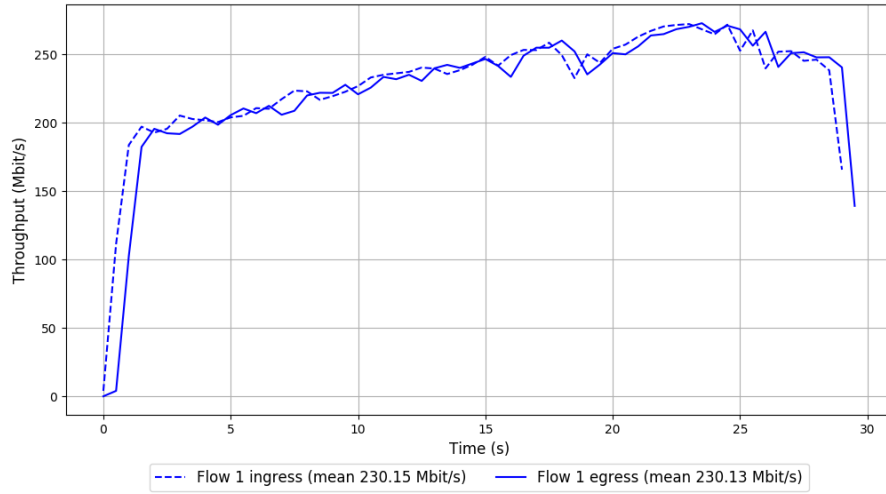


Run 5: Statistics of Indigo

Start at: 2019-04-24 16:29:00
End at: 2019-04-24 16:29:30
Local clock offset: -0.029 ms
Remote clock offset: -0.011 ms

Below is generated by plot.py at 2019-04-24 18:01:33
Datalink statistics
-- Total of 1 flow:
Average throughput: 230.13 Mbit/s
95th percentile per-packet one-way delay: 48.959 ms
Loss rate: 0.33%
-- Flow 1:
Average throughput: 230.13 Mbit/s
95th percentile per-packet one-way delay: 48.959 ms
Loss rate: 0.33%

Run 5: Report of Indigo — Data Link



Run 1: Statistics of Indigo-MusesC3

Start at: 2019-04-24 14:49:53
End at: 2019-04-24 14:50:23
Local clock offset: 0.003 ms
Remote clock offset: -0.021 ms

Below is generated by plot.py at 2019-04-24 18:01:33

Datalink statistics

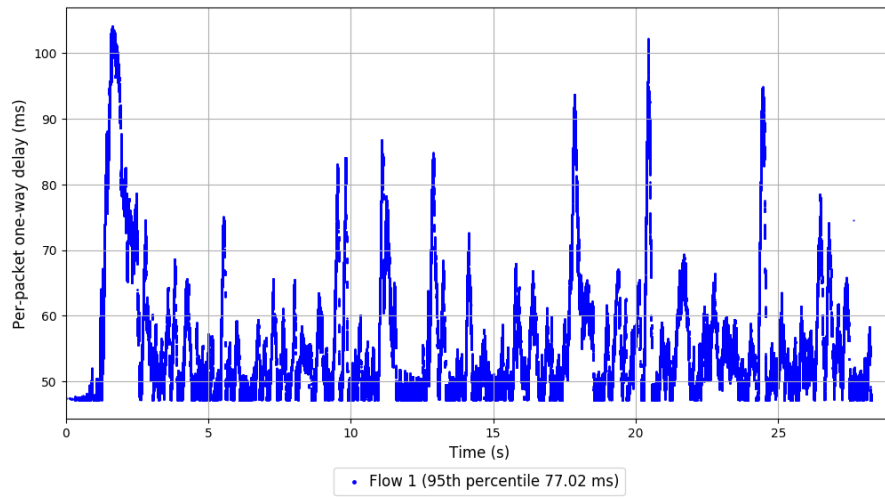
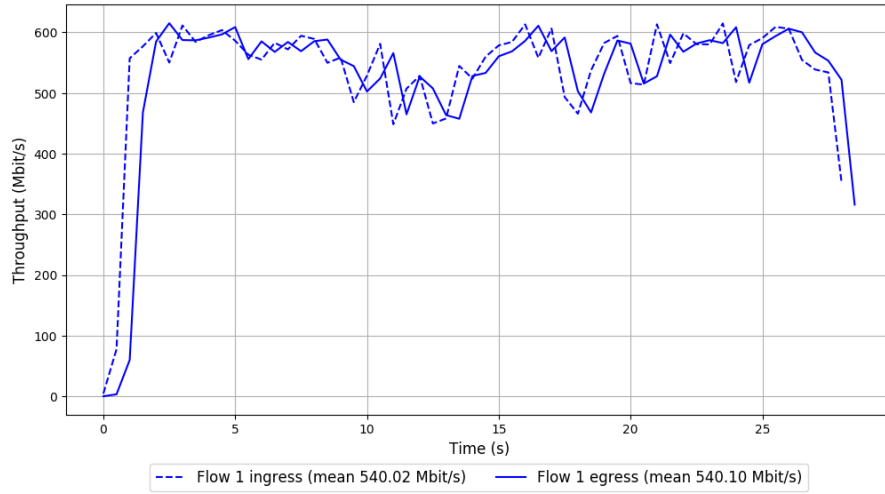
-- Total of 1 flow:

Average throughput: 540.10 Mbit/s
95th percentile per-packet one-way delay: 77.020 ms
Loss rate: 0.32%

-- Flow 1:

Average throughput: 540.10 Mbit/s
95th percentile per-packet one-way delay: 77.020 ms
Loss rate: 0.32%

Run 1: Report of Indigo-MusesC3 — Data Link



Run 2: Statistics of Indigo-MusesC3

Start at: 2019-04-24 15:19:44

End at: 2019-04-24 15:20:14

Local clock offset: 0.041 ms

Remote clock offset: -0.075 ms

Below is generated by plot.py at 2019-04-24 18:01:33

Datalink statistics

-- Total of 1 flow:

Average throughput: 545.22 Mbit/s

95th percentile per-packet one-way delay: 81.050 ms

Loss rate: 0.36%

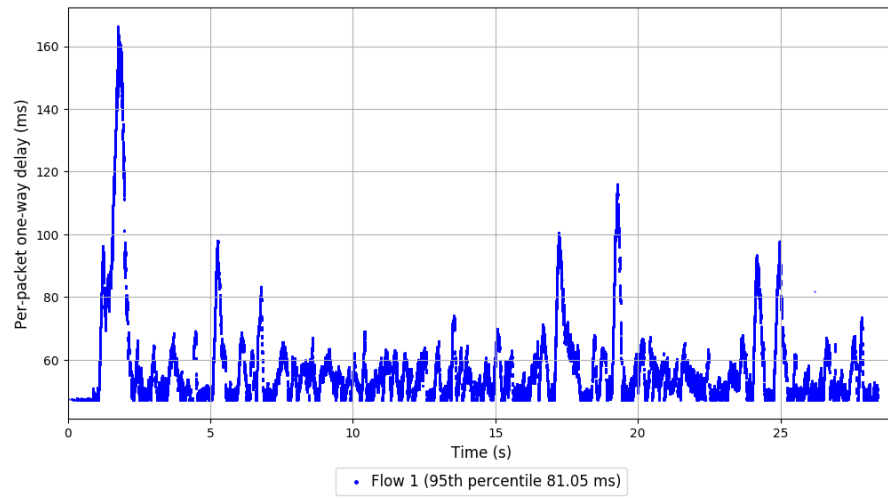
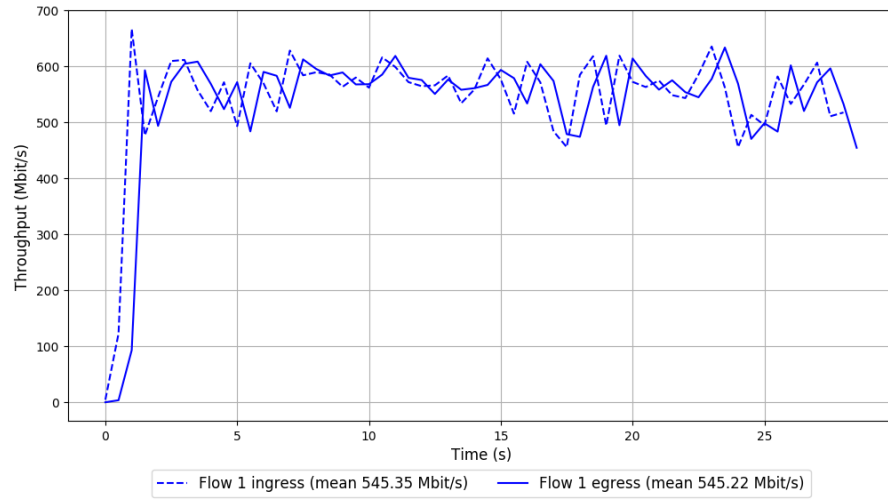
-- Flow 1:

Average throughput: 545.22 Mbit/s

95th percentile per-packet one-way delay: 81.050 ms

Loss rate: 0.36%

Run 2: Report of Indigo-MusesC3 — Data Link

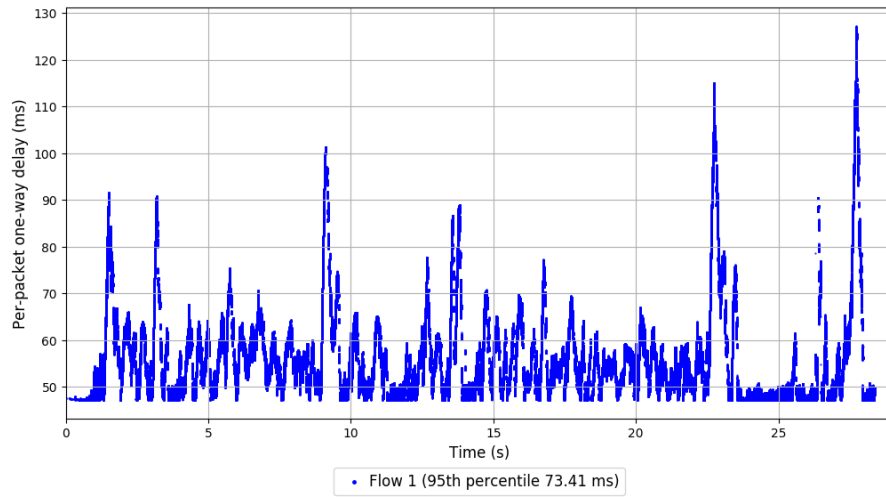
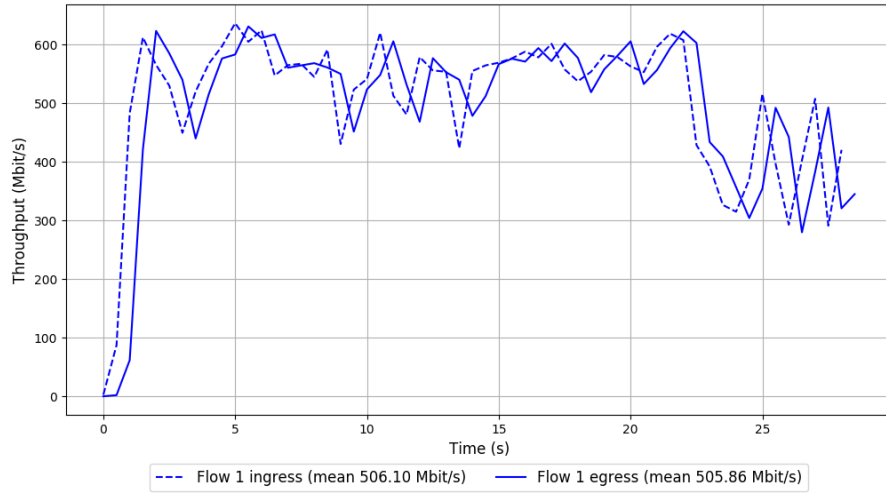


Run 3: Statistics of Indigo-MusesC3

Start at: 2019-04-24 15:49:28
End at: 2019-04-24 15:49:58
Local clock offset: 0.207 ms
Remote clock offset: -0.063 ms

Below is generated by plot.py at 2019-04-24 18:01:33
Datalink statistics
-- Total of 1 flow:
Average throughput: 505.86 Mbit/s
95th percentile per-packet one-way delay: 73.407 ms
Loss rate: 0.38%
-- Flow 1:
Average throughput: 505.86 Mbit/s
95th percentile per-packet one-way delay: 73.407 ms
Loss rate: 0.38%

Run 3: Report of Indigo-MusesC3 — Data Link



Run 4: Statistics of Indigo-MusesC3

Start at: 2019-04-24 16:19:18

End at: 2019-04-24 16:19:48

Local clock offset: 0.038 ms

Remote clock offset: -0.064 ms

Below is generated by plot.py at 2019-04-24 18:01:44

Datalink statistics

-- Total of 1 flow:

Average throughput: 523.21 Mbit/s

95th percentile per-packet one-way delay: 65.984 ms

Loss rate: 0.36%

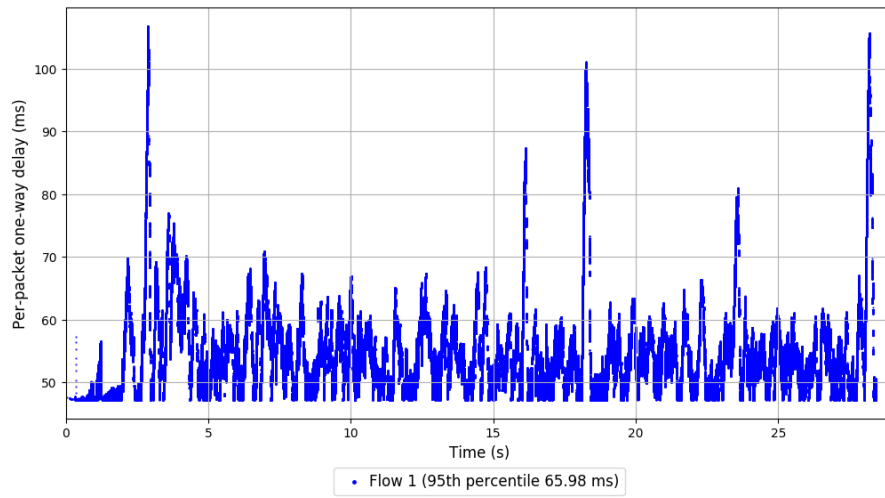
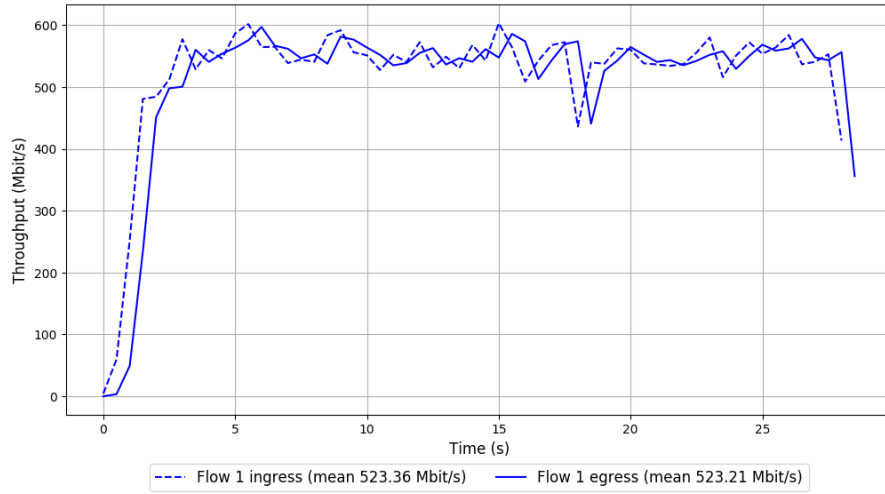
-- Flow 1:

Average throughput: 523.21 Mbit/s

95th percentile per-packet one-way delay: 65.984 ms

Loss rate: 0.36%

Run 4: Report of Indigo-MusesC3 — Data Link

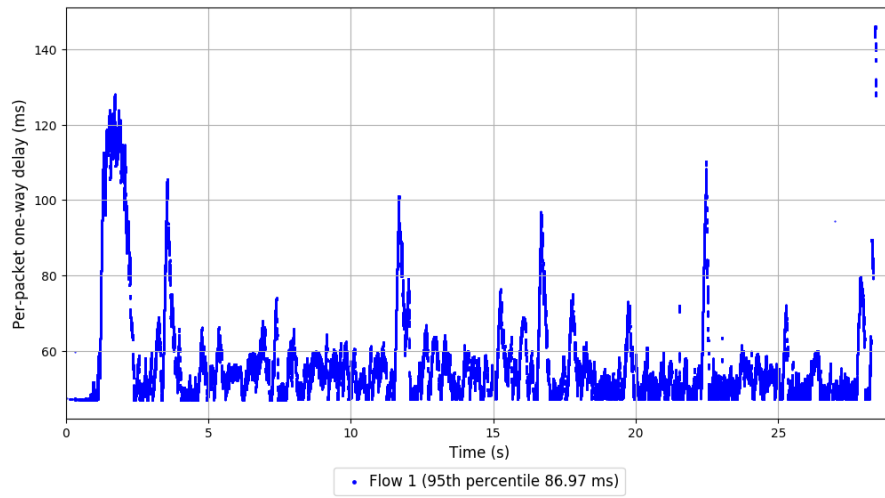
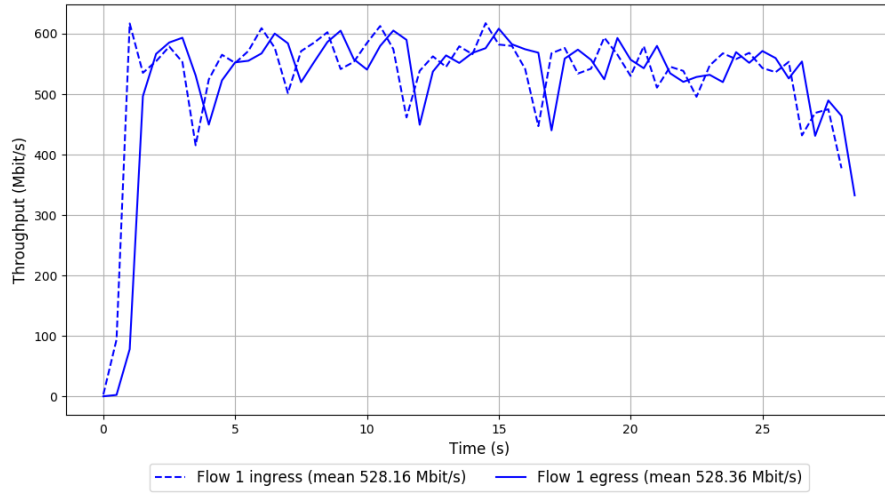


Run 5: Statistics of Indigo-MusesC3

Start at: 2019-04-24 16:49:07
End at: 2019-04-24 16:49:37
Local clock offset: -0.016 ms
Remote clock offset: -0.026 ms

Below is generated by plot.py at 2019-04-24 18:02:40
Datalink statistics
-- Total of 1 flow:
Average throughput: 528.36 Mbit/s
95th percentile per-packet one-way delay: 86.975 ms
Loss rate: 0.30%
-- Flow 1:
Average throughput: 528.36 Mbit/s
95th percentile per-packet one-way delay: 86.975 ms
Loss rate: 0.30%

Run 5: Report of Indigo-MusesC3 — Data Link

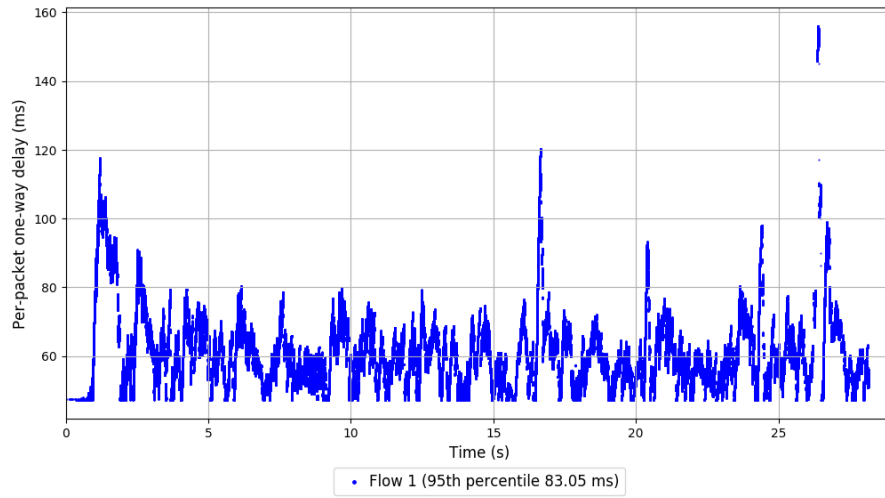
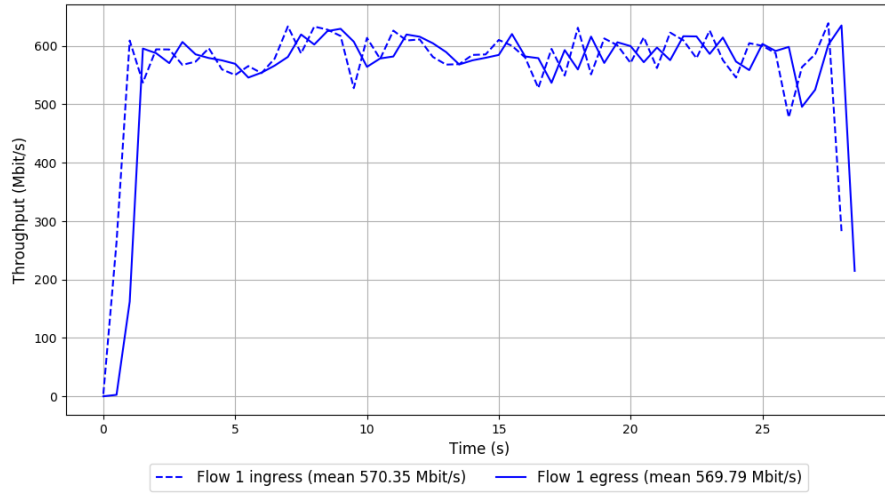


Run 1: Statistics of Indigo-MusesC5

Start at: 2019-04-24 14:37:32
End at: 2019-04-24 14:38:02
Local clock offset: 0.005 ms
Remote clock offset: -0.059 ms

Below is generated by plot.py at 2019-04-24 18:03:36
Datalink statistics
-- Total of 1 flow:
Average throughput: 569.79 Mbit/s
95th percentile per-packet one-way delay: 83.054 ms
Loss rate: 0.43%
-- Flow 1:
Average throughput: 569.79 Mbit/s
95th percentile per-packet one-way delay: 83.054 ms
Loss rate: 0.43%

Run 1: Report of Indigo-MusesC5 — Data Link



Run 2: Statistics of Indigo-MusesC5

Start at: 2019-04-24 15:07:20

End at: 2019-04-24 15:07:50

Local clock offset: 0.064 ms

Remote clock offset: -0.123 ms

Below is generated by plot.py at 2019-04-24 18:05:14

Datalink statistics

-- Total of 1 flow:

Average throughput: 538.67 Mbit/s

95th percentile per-packet one-way delay: 106.984 ms

Loss rate: 0.38%

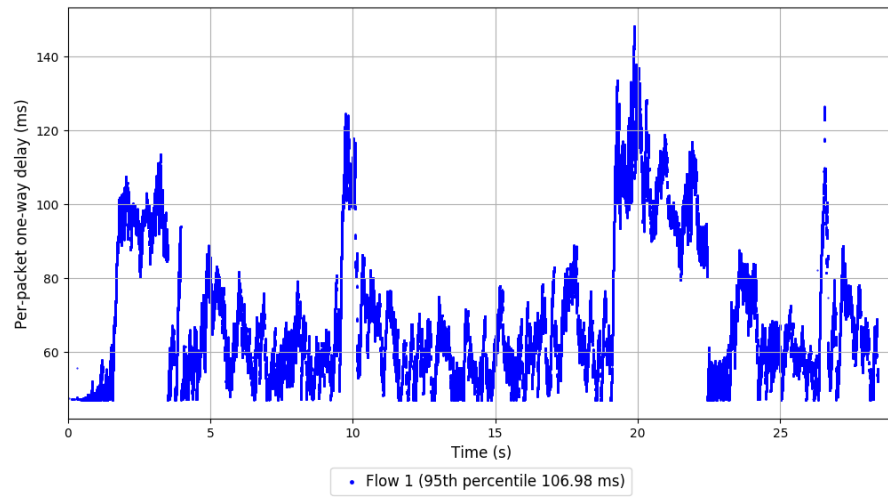
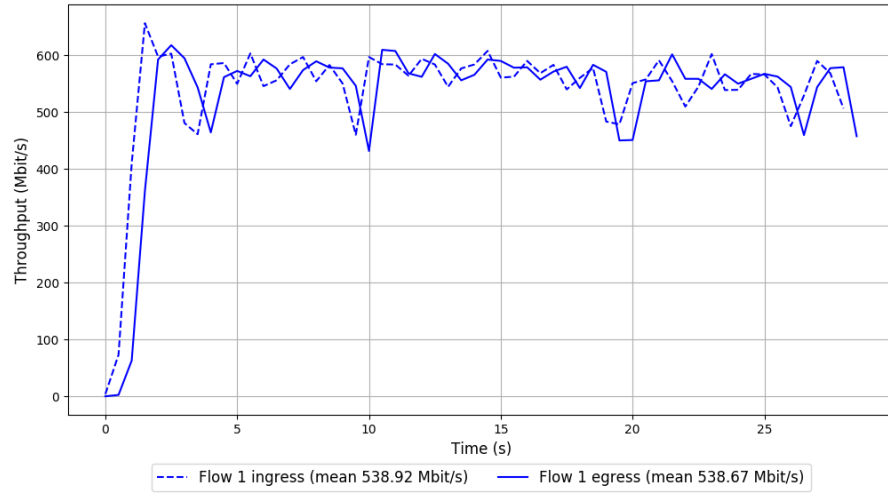
-- Flow 1:

Average throughput: 538.67 Mbit/s

95th percentile per-packet one-way delay: 106.984 ms

Loss rate: 0.38%

Run 2: Report of Indigo-MusesC5 — Data Link

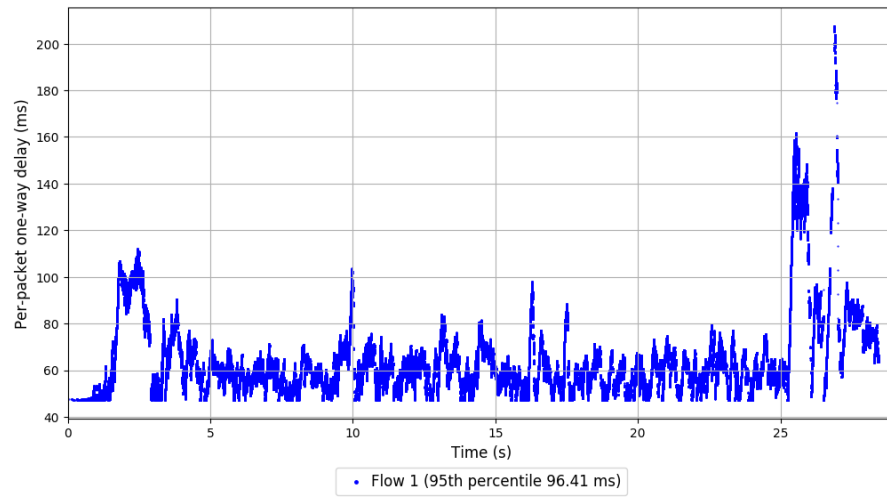
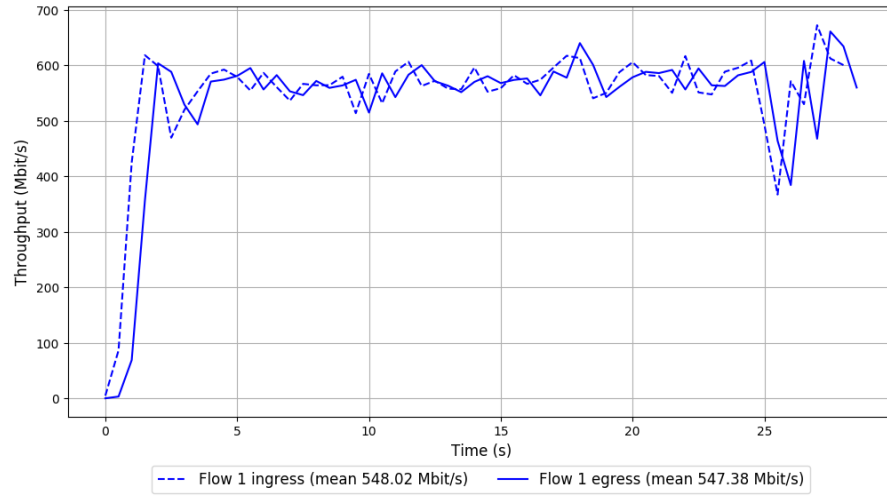


Run 3: Statistics of Indigo-MusesC5

Start at: 2019-04-24 15:37:05
End at: 2019-04-24 15:37:35
Local clock offset: 0.147 ms
Remote clock offset: -0.104 ms

Below is generated by plot.py at 2019-04-24 18:05:56
Datalink statistics
-- Total of 1 flow:
Average throughput: 547.38 Mbit/s
95th percentile per-packet one-way delay: 96.409 ms
Loss rate: 0.45%
-- Flow 1:
Average throughput: 547.38 Mbit/s
95th percentile per-packet one-way delay: 96.409 ms
Loss rate: 0.45%

Run 3: Report of Indigo-MusesC5 — Data Link



Run 4: Statistics of Indigo-MusesC5

Start at: 2019-04-24 16:06:53

End at: 2019-04-24 16:07:23

Local clock offset: 0.155 ms

Remote clock offset: -0.063 ms

Below is generated by plot.py at 2019-04-24 18:07:09

Datalink statistics

-- Total of 1 flow:

Average throughput: 556.43 Mbit/s

95th percentile per-packet one-way delay: 94.954 ms

Loss rate: 0.44%

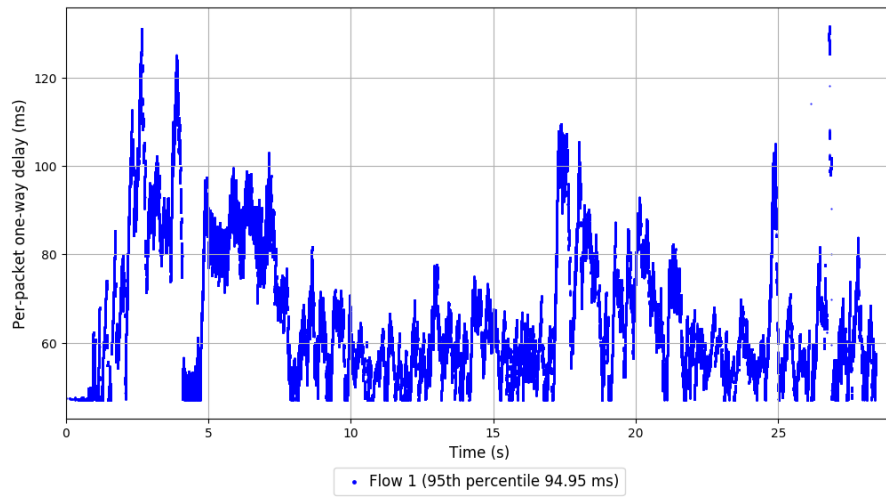
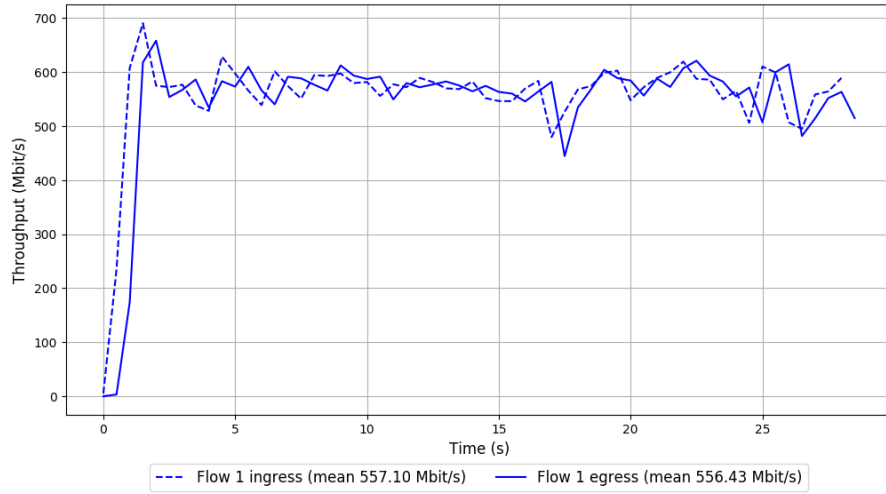
-- Flow 1:

Average throughput: 556.43 Mbit/s

95th percentile per-packet one-way delay: 94.954 ms

Loss rate: 0.44%

Run 4: Report of Indigo-MusesC5 — Data Link

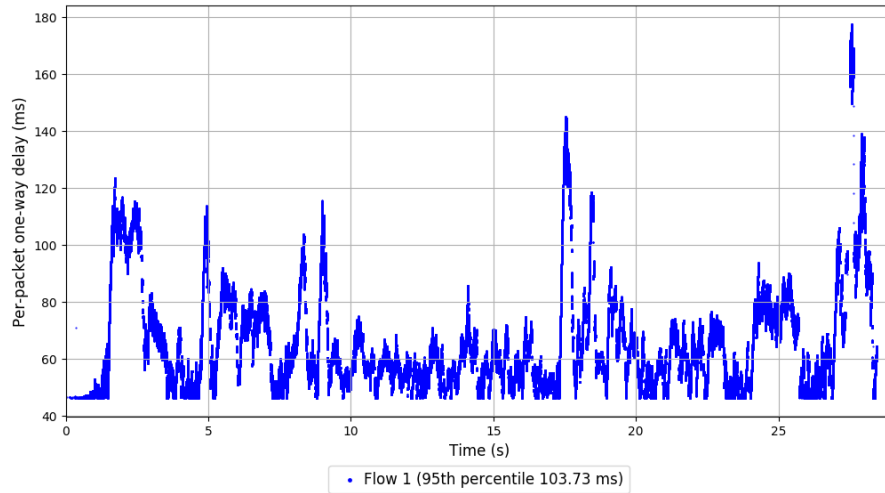
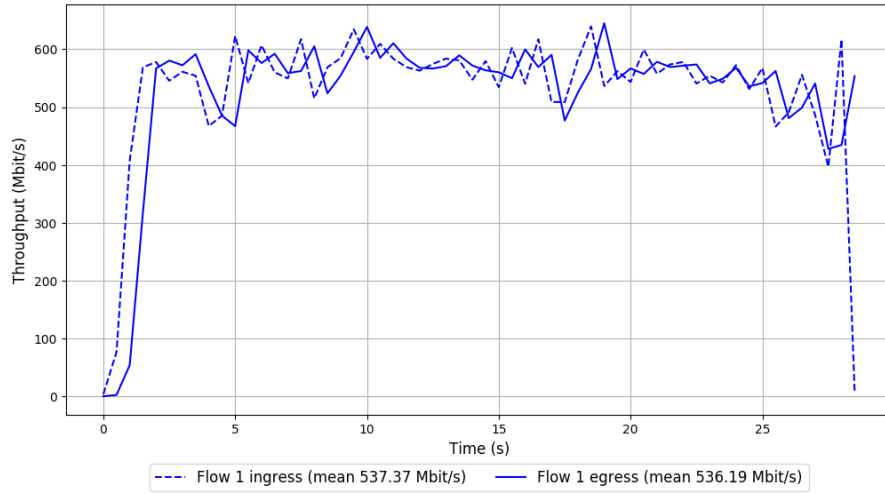


Run 5: Statistics of Indigo-MusesC5

Start at: 2019-04-24 16:36:45
End at: 2019-04-24 16:37:15
Local clock offset: -0.021 ms
Remote clock offset: -0.046 ms

Below is generated by plot.py at 2019-04-24 18:11:24
Datalink statistics
-- Total of 1 flow:
Average throughput: 536.19 Mbit/s
95th percentile per-packet one-way delay: 103.734 ms
Loss rate: 0.55%
-- Flow 1:
Average throughput: 536.19 Mbit/s
95th percentile per-packet one-way delay: 103.734 ms
Loss rate: 0.55%

Run 5: Report of Indigo-MusesC5 — Data Link

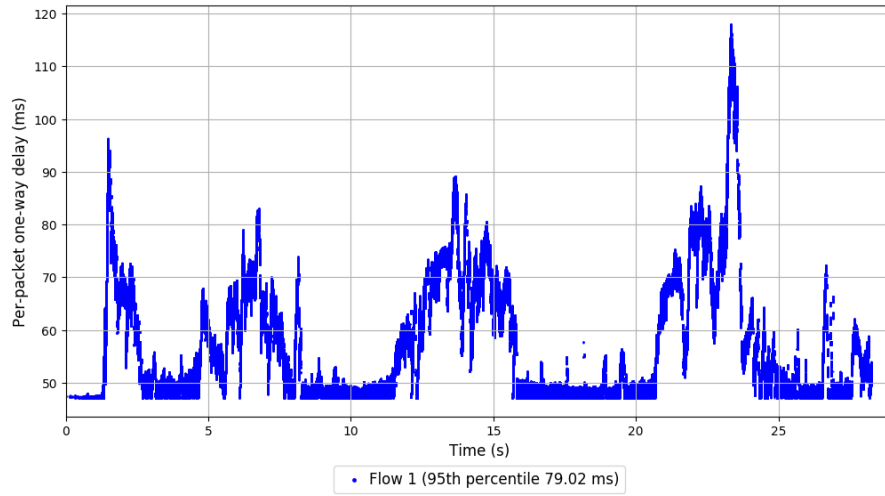
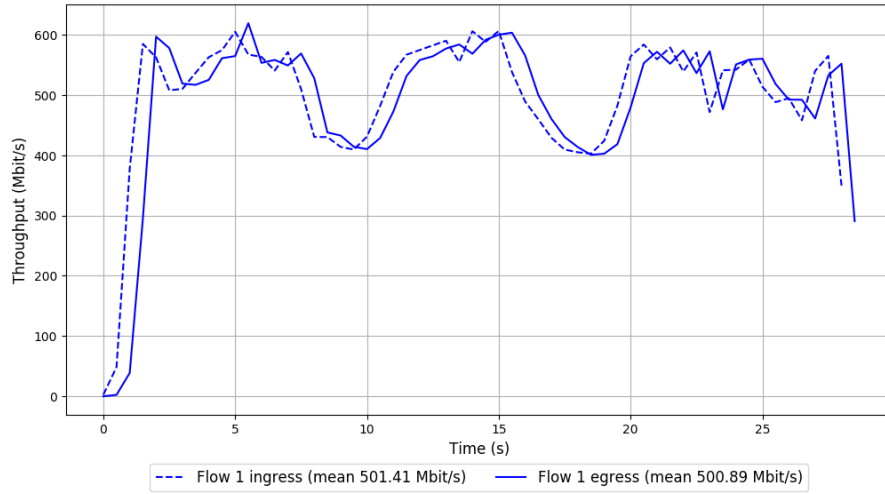


Run 1: Statistics of Indigo-MusesD

Start at: 2019-04-24 14:41:39
End at: 2019-04-24 14:42:09
Local clock offset: -0.029 ms
Remote clock offset: -0.024 ms

Below is generated by plot.py at 2019-04-24 18:11:24
Datalink statistics
-- Total of 1 flow:
Average throughput: 500.89 Mbit/s
95th percentile per-packet one-way delay: 79.018 ms
Loss rate: 0.44%
-- Flow 1:
Average throughput: 500.89 Mbit/s
95th percentile per-packet one-way delay: 79.018 ms
Loss rate: 0.44%

Run 1: Report of Indigo-MusesD — Data Link



Run 2: Statistics of Indigo-MusesD

Start at: 2019-04-24 15:11:27

End at: 2019-04-24 15:11:57

Local clock offset: 0.052 ms

Remote clock offset: -0.105 ms

Below is generated by plot.py at 2019-04-24 18:11:24

Datalink statistics

-- Total of 1 flow:

Average throughput: 478.91 Mbit/s

95th percentile per-packet one-way delay: 80.726 ms

Loss rate: 0.45%

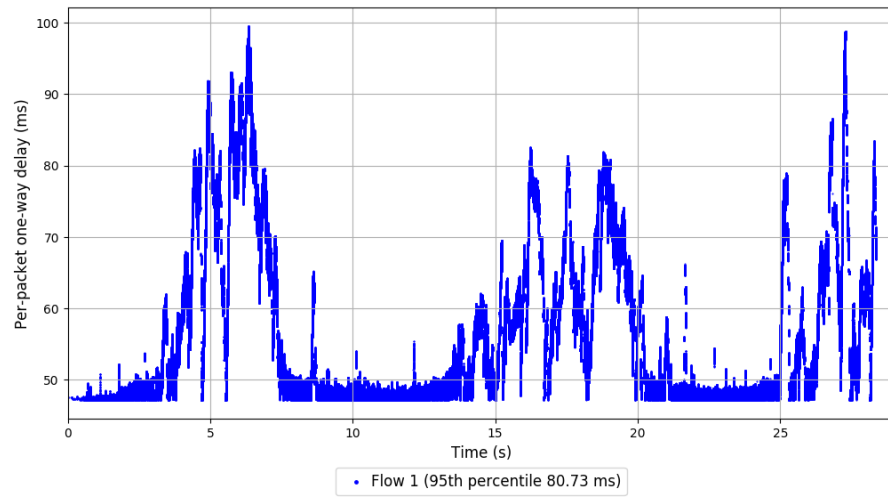
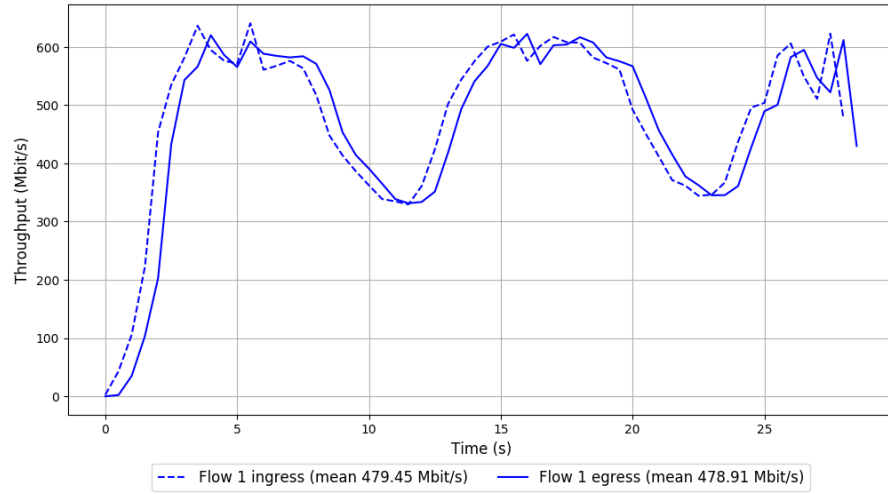
-- Flow 1:

Average throughput: 478.91 Mbit/s

95th percentile per-packet one-way delay: 80.726 ms

Loss rate: 0.45%

Run 2: Report of Indigo-MusesD — Data Link

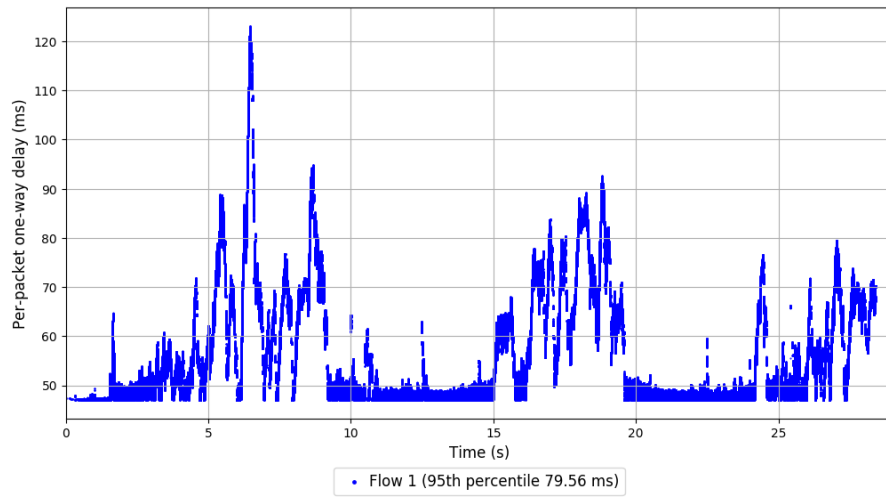
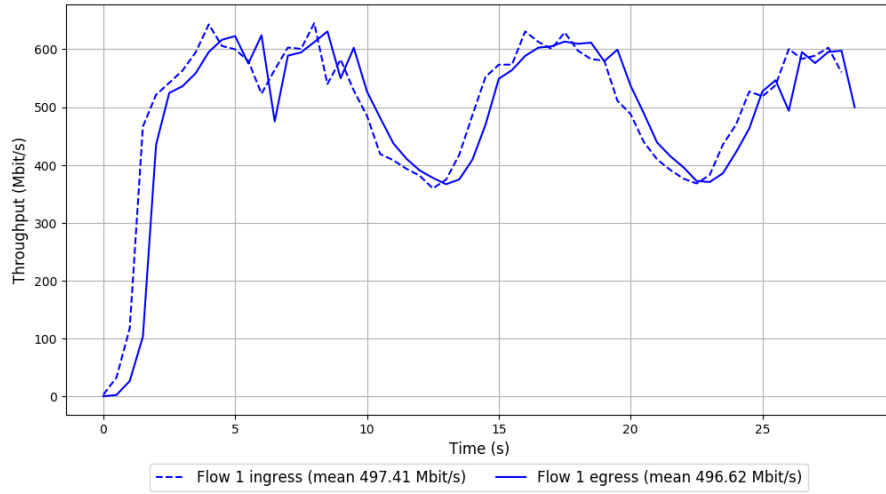


Run 3: Statistics of Indigo-MusesD

Start at: 2019-04-24 15:41:10
End at: 2019-04-24 15:41:40
Local clock offset: 0.199 ms
Remote clock offset: -0.043 ms

Below is generated by plot.py at 2019-04-24 18:12:13
Datalink statistics
-- Total of 1 flow:
Average throughput: 496.62 Mbit/s
95th percentile per-packet one-way delay: 79.560 ms
Loss rate: 0.50%
-- Flow 1:
Average throughput: 496.62 Mbit/s
95th percentile per-packet one-way delay: 79.560 ms
Loss rate: 0.50%

Run 3: Report of Indigo-MusesD — Data Link



Run 4: Statistics of Indigo-MusesD

Start at: 2019-04-24 16:11:00

End at: 2019-04-24 16:11:30

Local clock offset: 0.091 ms

Remote clock offset: -0.001 ms

Below is generated by plot.py at 2019-04-24 18:12:48

Datalink statistics

-- Total of 1 flow:

Average throughput: 501.52 Mbit/s

95th percentile per-packet one-way delay: 75.143 ms

Loss rate: 0.26%

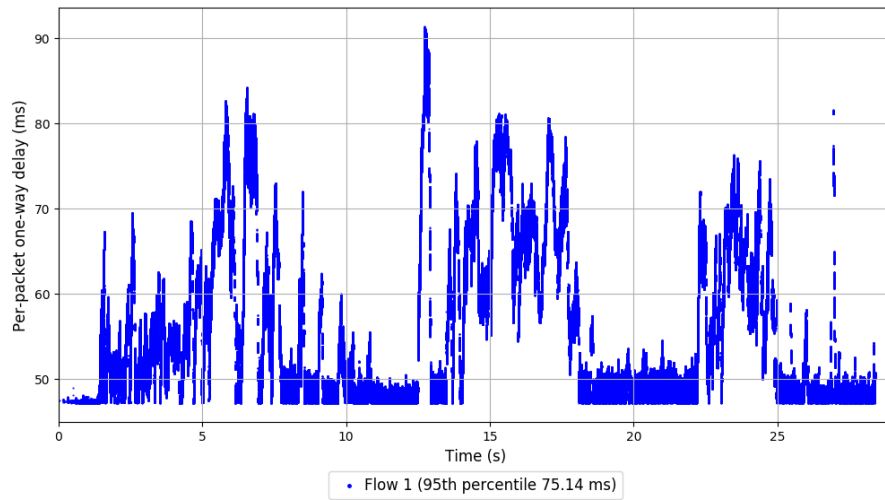
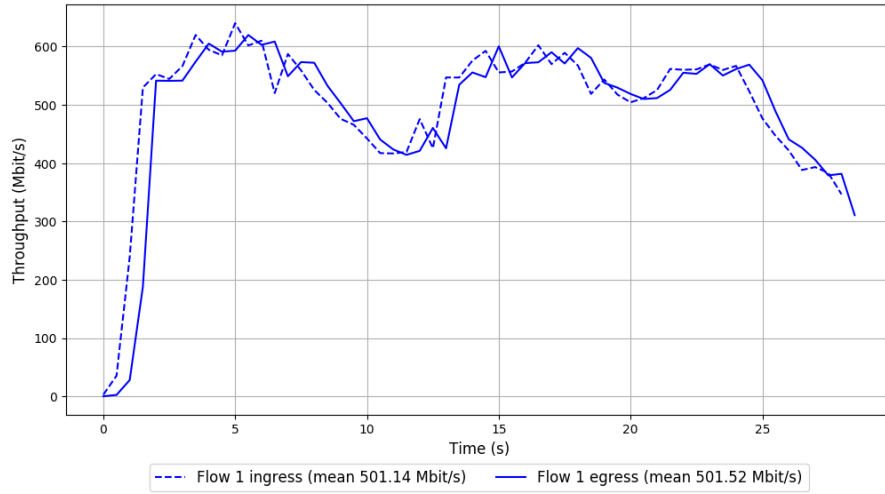
-- Flow 1:

Average throughput: 501.52 Mbit/s

95th percentile per-packet one-way delay: 75.143 ms

Loss rate: 0.26%

Run 4: Report of Indigo-MusesD — Data Link



Run 5: Statistics of Indigo-MusesD

Start at: 2019-04-24 16:40:51
End at: 2019-04-24 16:41:21
Local clock offset: 0.033 ms
Remote clock offset: -0.076 ms

Below is generated by plot.py at 2019-04-24 18:14:19

Datalink statistics

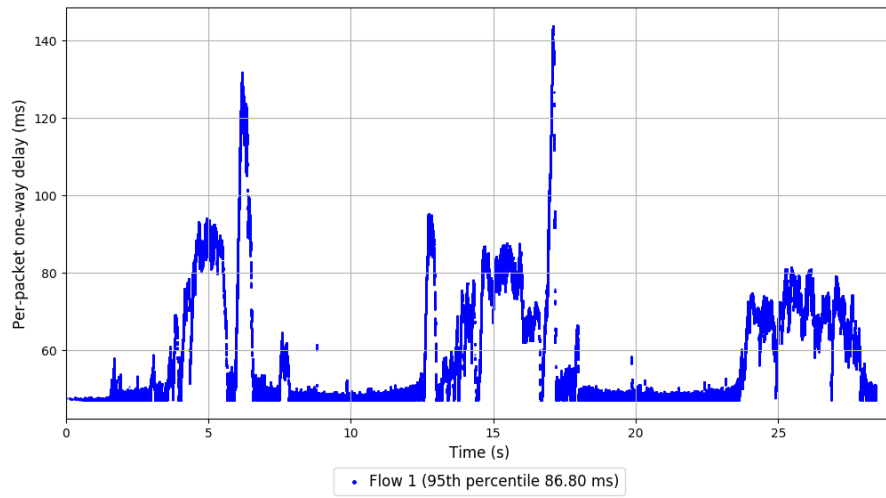
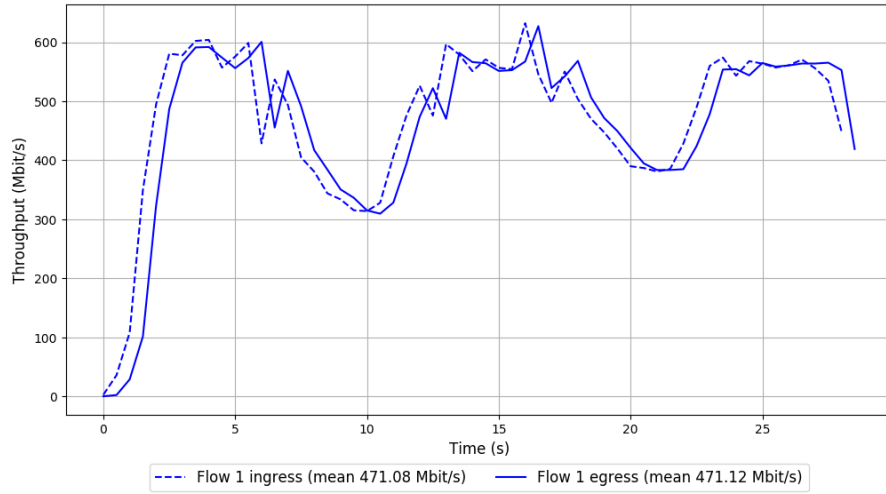
-- Total of 1 flow:

Average throughput: 471.12 Mbit/s
95th percentile per-packet one-way delay: 86.798 ms
Loss rate: 0.33%

-- Flow 1:

Average throughput: 471.12 Mbit/s
95th percentile per-packet one-way delay: 86.798 ms
Loss rate: 0.33%

Run 5: Report of Indigo-MusesD — Data Link



Run 1: Statistics of Indigo-MuseST

Start at: 2019-04-24 14:36:00

End at: 2019-04-24 14:36:30

Local clock offset: -0.025 ms

Remote clock offset: -0.01 ms

Below is generated by plot.py at 2019-04-24 18:16:45

Datalink statistics

-- Total of 1 flow:

Average throughput: 570.68 Mbit/s

95th percentile per-packet one-way delay: 124.411 ms

Loss rate: 0.43%

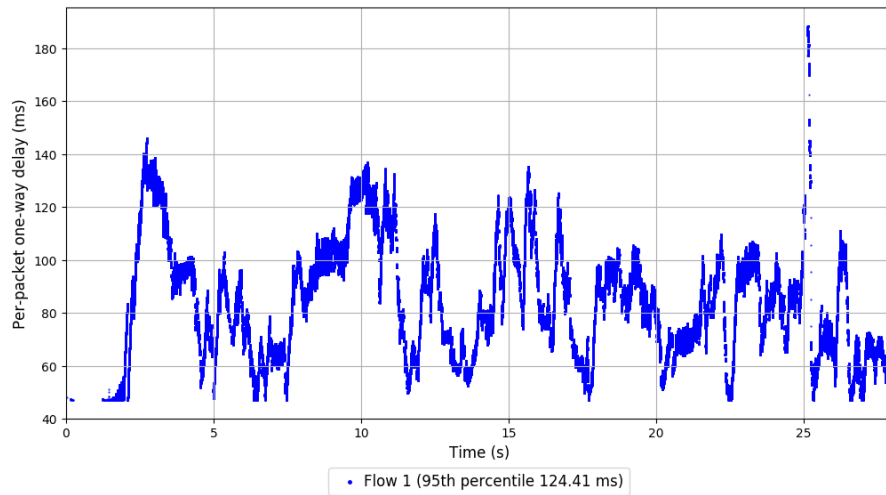
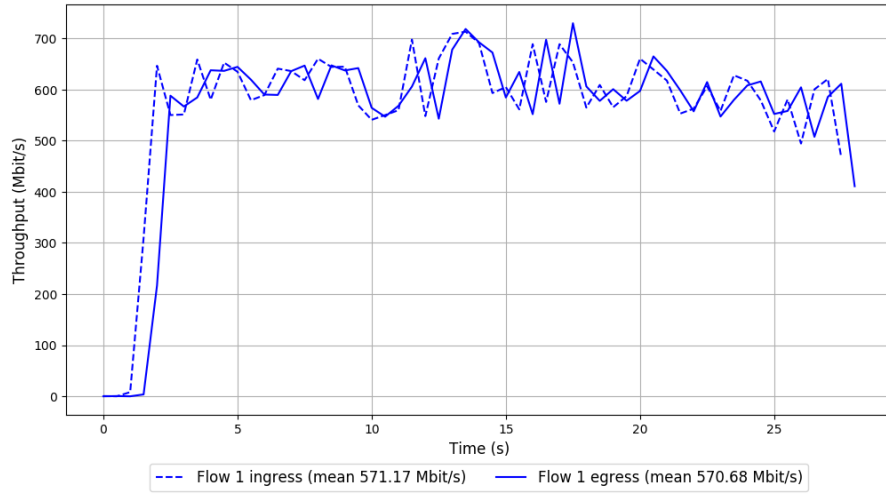
-- Flow 1:

Average throughput: 570.68 Mbit/s

95th percentile per-packet one-way delay: 124.411 ms

Loss rate: 0.43%

Run 1: Report of Indigo-MusesT — Data Link



Run 2: Statistics of Indigo-MuseST

Start at: 2019-04-24 15:05:49

End at: 2019-04-24 15:06:19

Local clock offset: 0.003 ms

Remote clock offset: -0.05 ms

Below is generated by plot.py at 2019-04-24 18:18:32

Datalink statistics

-- Total of 1 flow:

Average throughput: 534.99 Mbit/s

95th percentile per-packet one-way delay: 87.392 ms

Loss rate: 0.41%

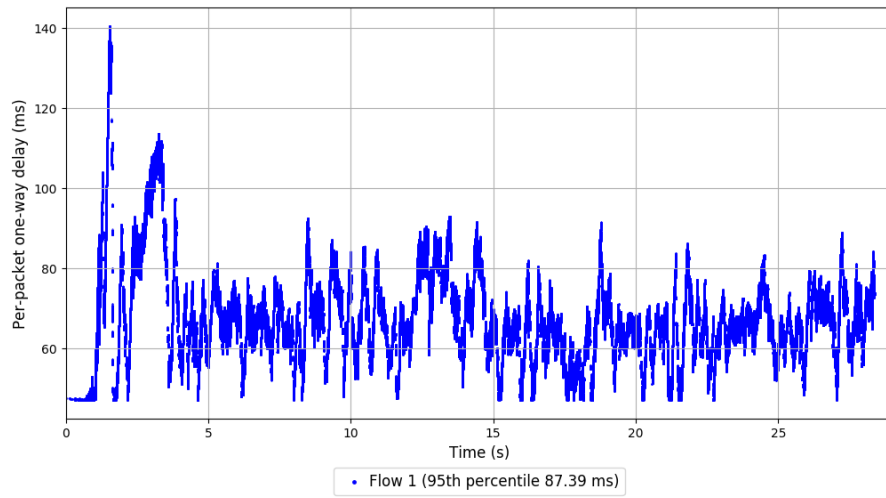
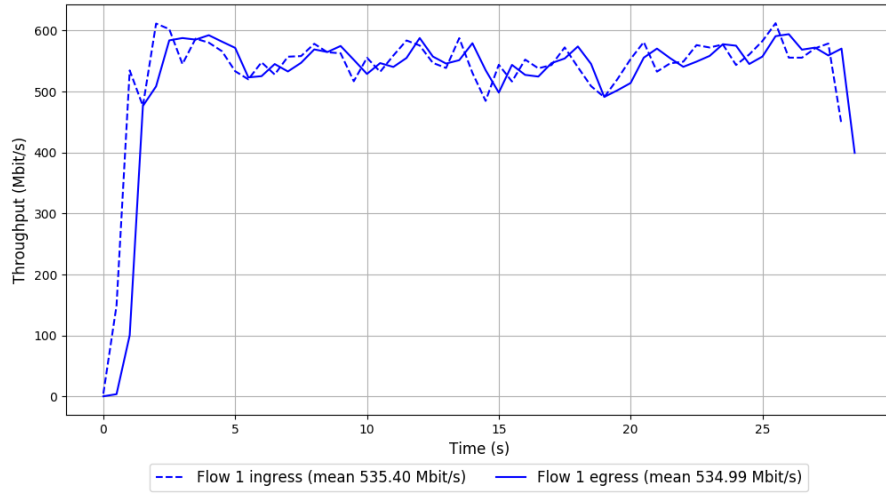
-- Flow 1:

Average throughput: 534.99 Mbit/s

95th percentile per-packet one-way delay: 87.392 ms

Loss rate: 0.41%

Run 2: Report of Indigo-MusesT — Data Link



Run 3: Statistics of Indigo-MuseST

Start at: 2019-04-24 15:35:33

End at: 2019-04-24 15:36:03

Local clock offset: 0.113 ms

Remote clock offset: -0.068 ms

Below is generated by plot.py at 2019-04-24 18:21:13

Datalink statistics

-- Total of 1 flow:

Average throughput: 561.27 Mbit/s

95th percentile per-packet one-way delay: 113.732 ms

Loss rate: 0.54%

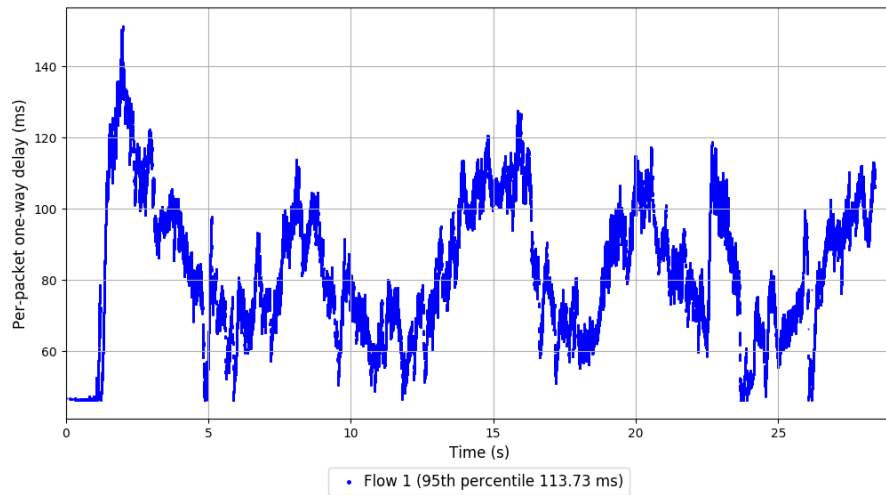
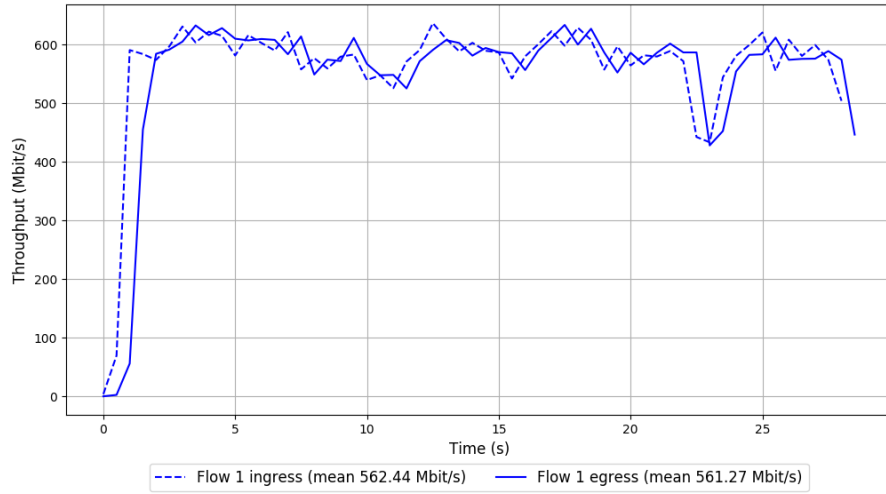
-- Flow 1:

Average throughput: 561.27 Mbit/s

95th percentile per-packet one-way delay: 113.732 ms

Loss rate: 0.54%

Run 3: Report of Indigo-MusesT — Data Link



Run 4: Statistics of Indigo-MuseST

Start at: 2019-04-24 16:05:20

End at: 2019-04-24 16:05:50

Local clock offset: 0.117 ms

Remote clock offset: -0.069 ms

Below is generated by plot.py at 2019-04-24 18:21:13

Datalink statistics

-- Total of 1 flow:

Average throughput: 532.68 Mbit/s

95th percentile per-packet one-way delay: 118.548 ms

Loss rate: 0.44%

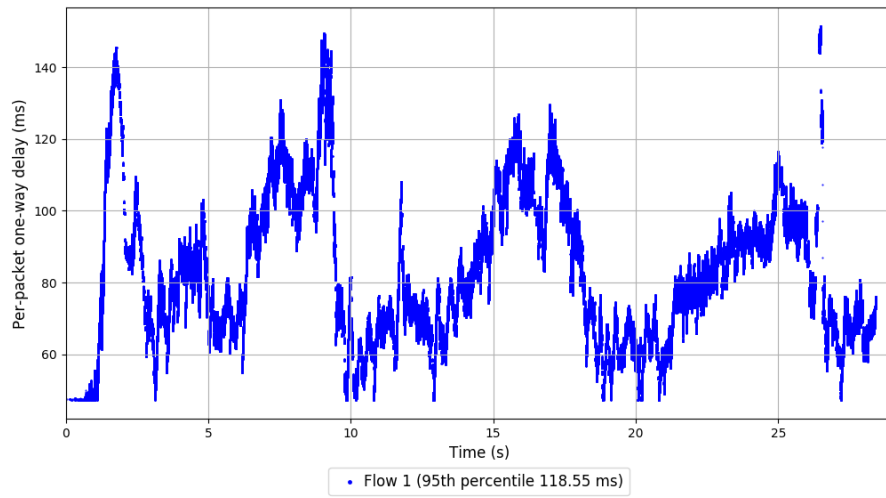
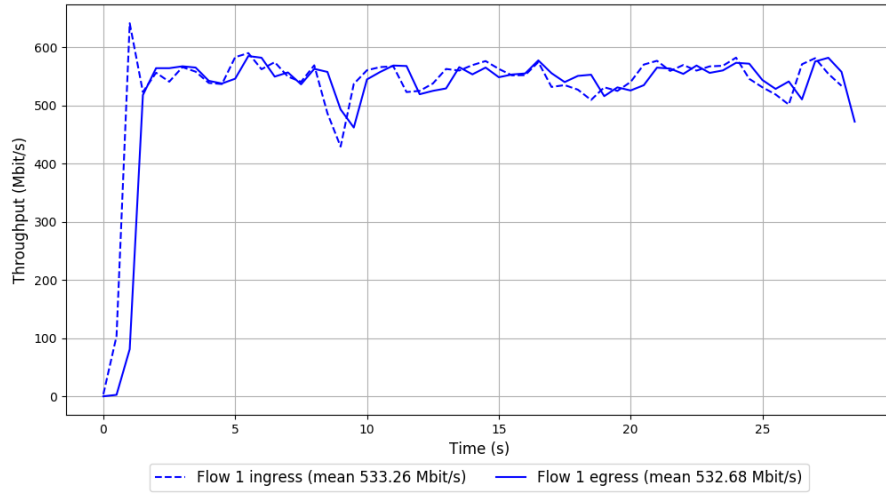
-- Flow 1:

Average throughput: 532.68 Mbit/s

95th percentile per-packet one-way delay: 118.548 ms

Loss rate: 0.44%

Run 4: Report of Indigo-MusesT — Data Link



Run 5: Statistics of Indigo-MuseST

Start at: 2019-04-24 16:35:14

End at: 2019-04-24 16:35:44

Local clock offset: -0.01 ms

Remote clock offset: -0.05 ms

Below is generated by plot.py at 2019-04-24 18:21:13

Datalink statistics

-- Total of 1 flow:

Average throughput: 503.74 Mbit/s

95th percentile per-packet one-way delay: 127.379 ms

Loss rate: 0.47%

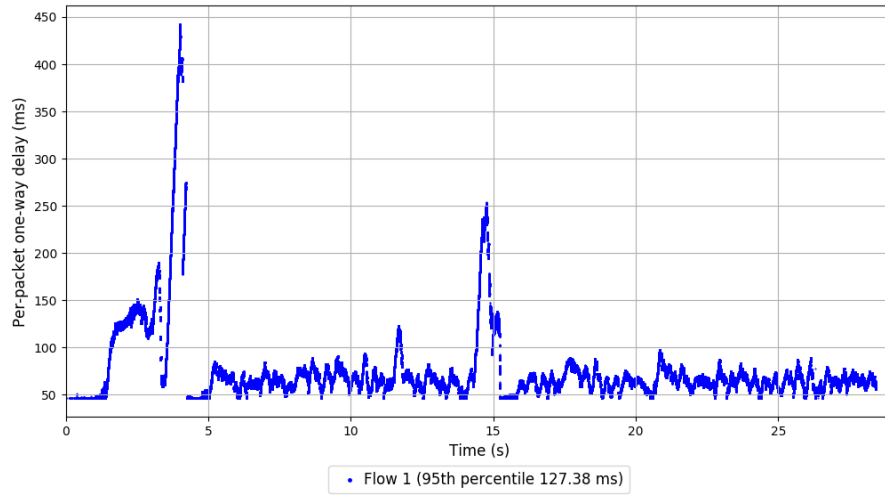
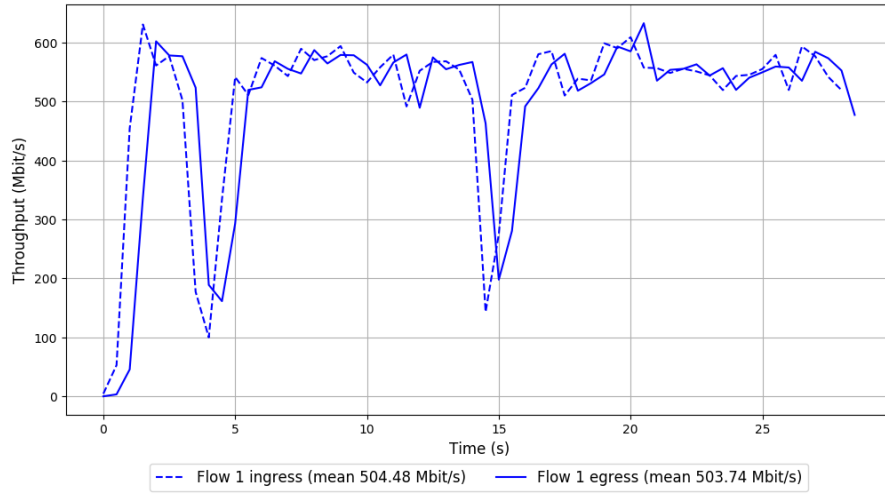
-- Flow 1:

Average throughput: 503.74 Mbit/s

95th percentile per-packet one-way delay: 127.379 ms

Loss rate: 0.47%

Run 5: Report of Indigo-MusesT — Data Link



Run 1: Statistics of LEDBAT

Start at: 2019-04-24 14:28:53

End at: 2019-04-24 14:29:23

Local clock offset: 0.009 ms

Remote clock offset: -0.063 ms

Below is generated by plot.py at 2019-04-24 18:21:13

Datalink statistics

-- Total of 1 flow:

Average throughput: 40.56 Mbit/s

95th percentile per-packet one-way delay: 49.967 ms

Loss rate: 0.63%

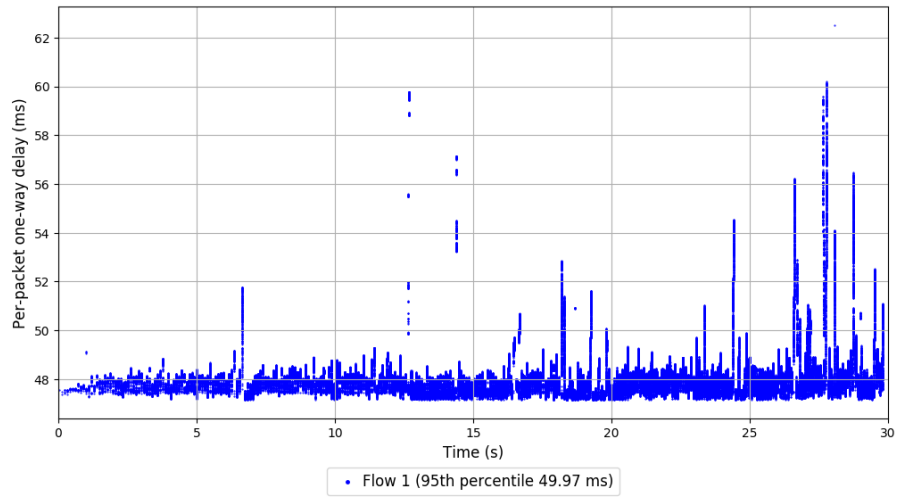
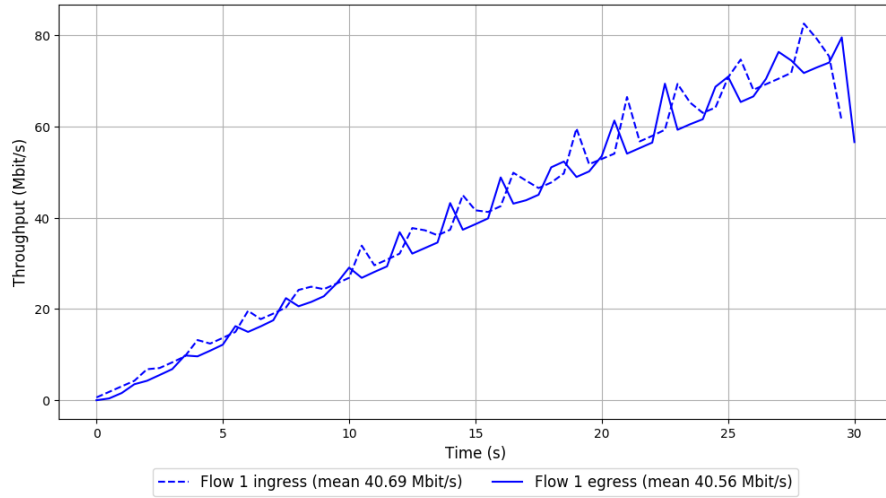
-- Flow 1:

Average throughput: 40.56 Mbit/s

95th percentile per-packet one-way delay: 49.967 ms

Loss rate: 0.63%

Run 1: Report of LEDBAT — Data Link



Run 2: Statistics of LEDBAT

Start at: 2019-04-24 14:58:21

End at: 2019-04-24 14:58:51

Local clock offset: 0.028 ms

Remote clock offset: -0.061 ms

Below is generated by plot.py at 2019-04-24 18:21:13

Datalink statistics

-- Total of 1 flow:

Average throughput: 37.41 Mbit/s

95th percentile per-packet one-way delay: 48.898 ms

Loss rate: 0.06%

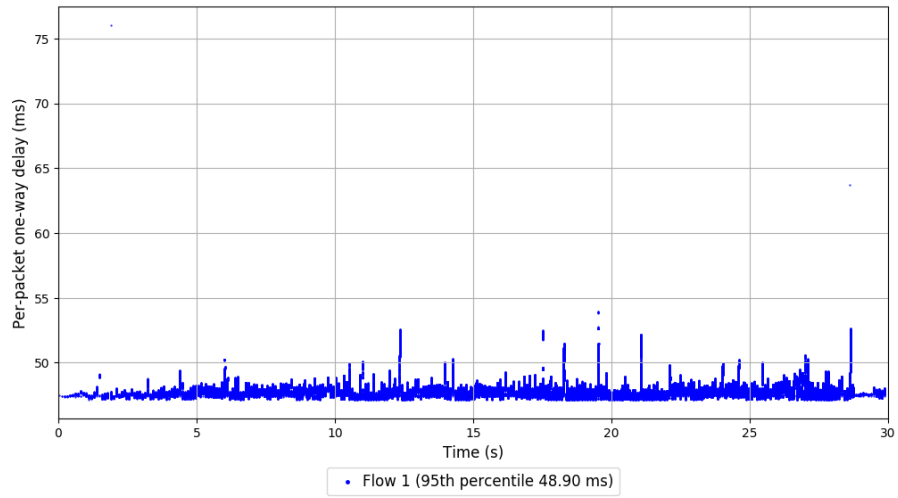
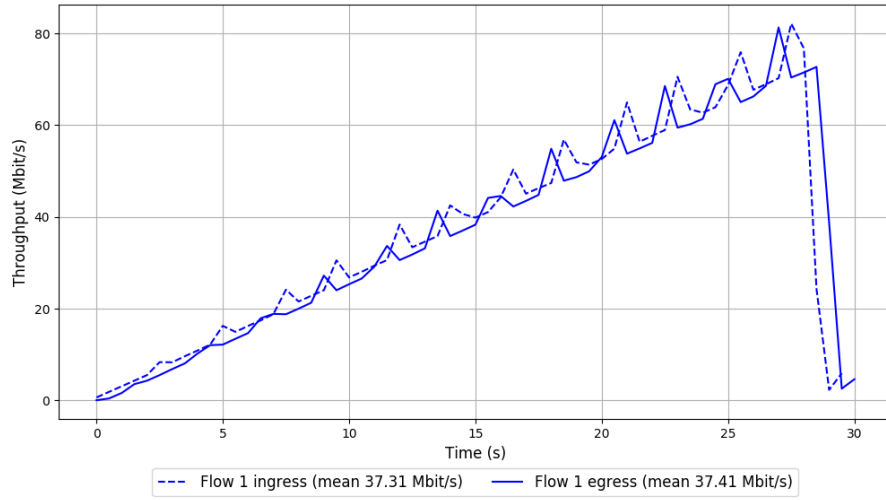
-- Flow 1:

Average throughput: 37.41 Mbit/s

95th percentile per-packet one-way delay: 48.898 ms

Loss rate: 0.06%

Run 2: Report of LEDBAT — Data Link



Run 3: Statistics of LEDBAT

Start at: 2019-04-24 15:28:06

End at: 2019-04-24 15:28:36

Local clock offset: 0.085 ms

Remote clock offset: -0.123 ms

Below is generated by plot.py at 2019-04-24 18:21:13

Datalink statistics

-- Total of 1 flow:

Average throughput: 40.80 Mbit/s

95th percentile per-packet one-way delay: 48.946 ms

Loss rate: 0.62%

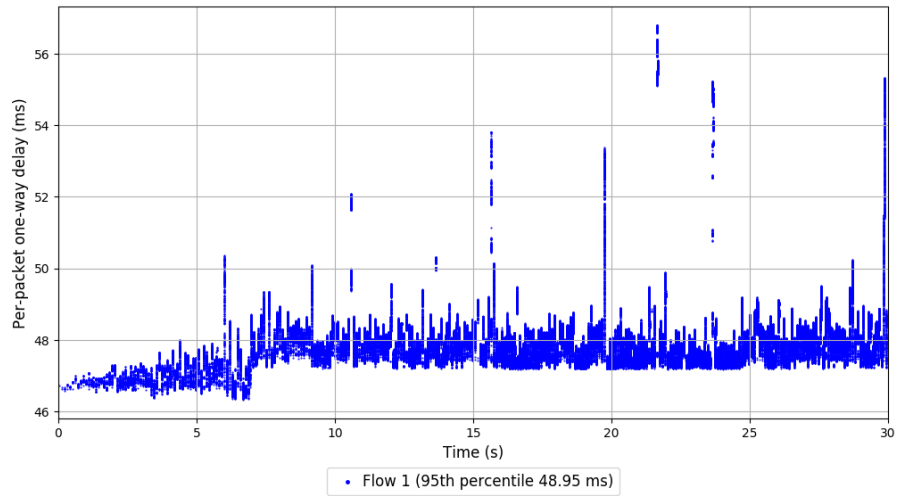
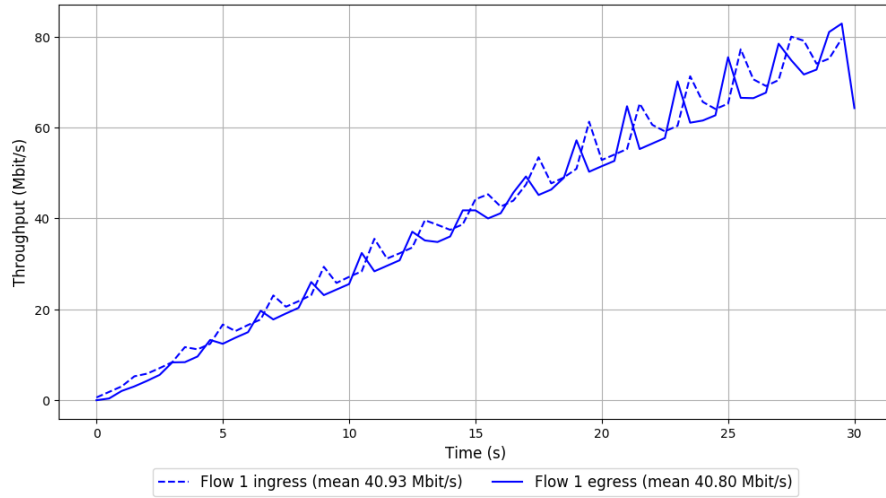
-- Flow 1:

Average throughput: 40.80 Mbit/s

95th percentile per-packet one-way delay: 48.946 ms

Loss rate: 0.62%

Run 3: Report of LEDBAT — Data Link

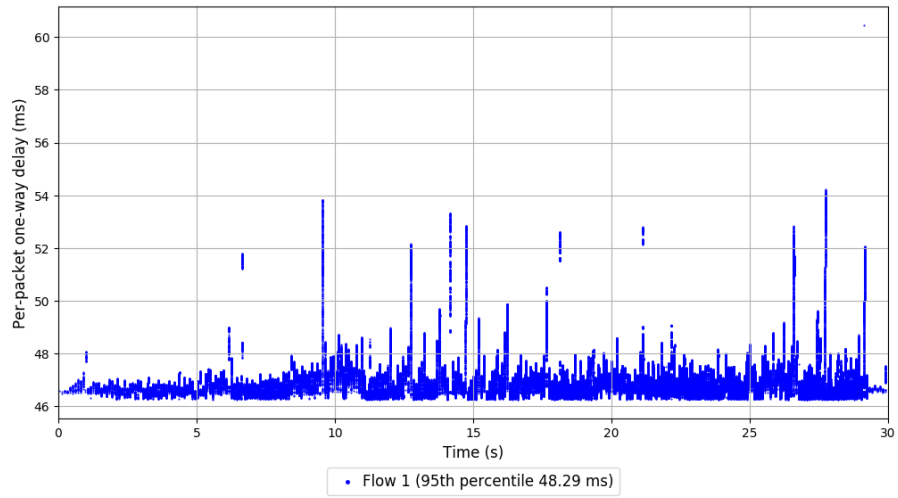
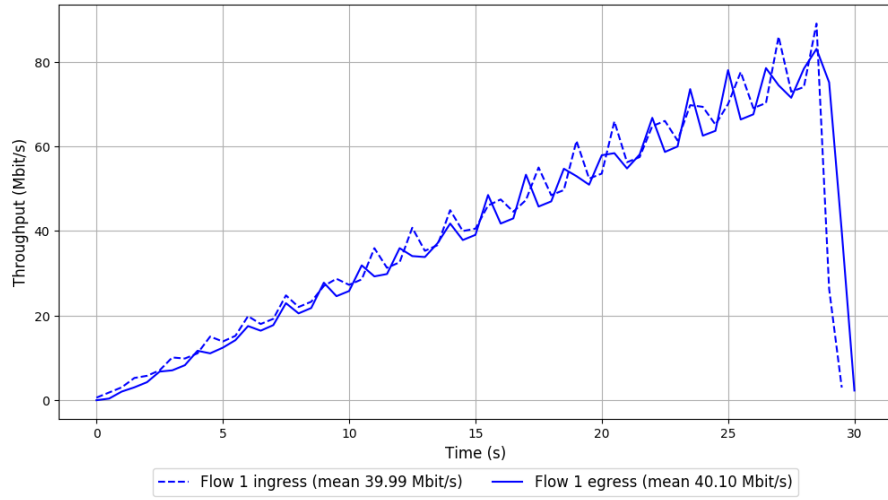


Run 4: Statistics of LEDBAT

Start at: 2019-04-24 15:57:50
End at: 2019-04-24 15:58:20
Local clock offset: 0.205 ms
Remote clock offset: -0.047 ms

Below is generated by plot.py at 2019-04-24 18:21:13
Datalink statistics
-- Total of 1 flow:
Average throughput: 40.10 Mbit/s
95th percentile per-packet one-way delay: 48.287 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 40.10 Mbit/s
95th percentile per-packet one-way delay: 48.287 ms
Loss rate: 0.04%

Run 4: Report of LEDBAT — Data Link



Run 5: Statistics of LEDBAT

Start at: 2019-04-24 16:27:49

End at: 2019-04-24 16:28:19

Local clock offset: 0.039 ms

Remote clock offset: -0.046 ms

Below is generated by plot.py at 2019-04-24 18:21:13

Datalink statistics

-- Total of 1 flow:

Average throughput: 40.79 Mbit/s

95th percentile per-packet one-way delay: 49.087 ms

Loss rate: 0.63%

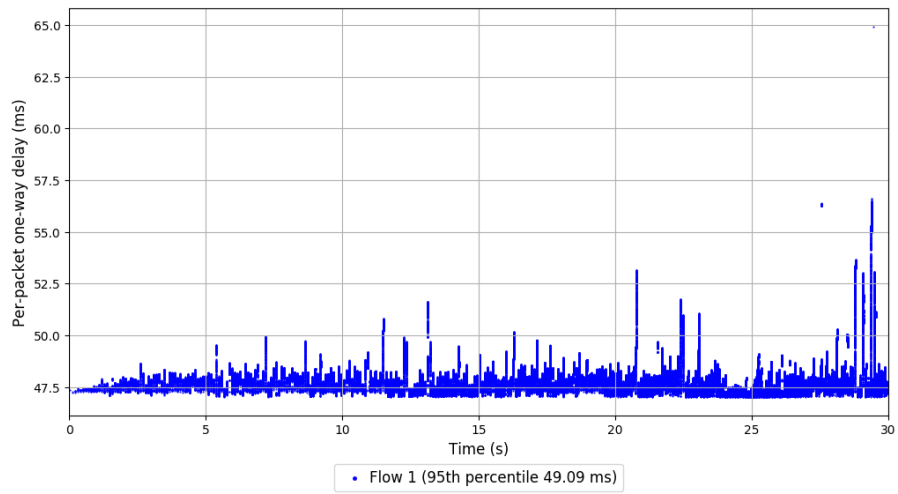
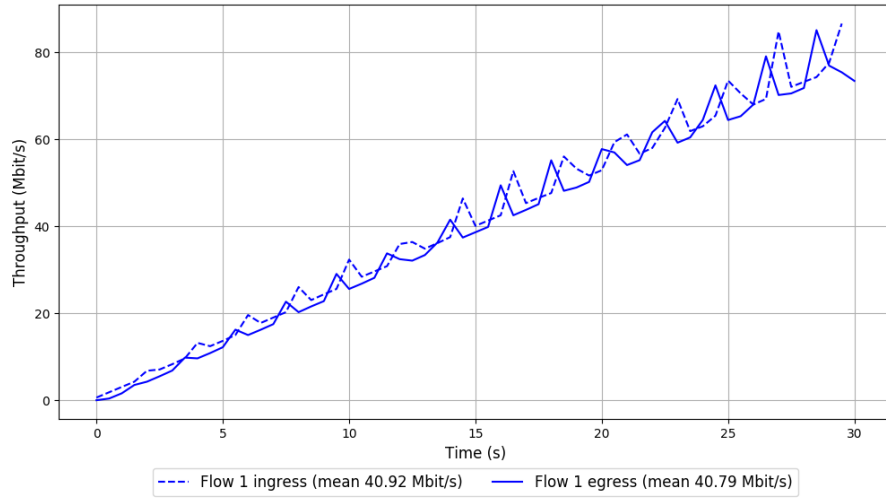
-- Flow 1:

Average throughput: 40.79 Mbit/s

95th percentile per-packet one-way delay: 49.087 ms

Loss rate: 0.63%

Run 5: Report of LEDBAT — Data Link



Run 1: Statistics of PCC-Allegro

Start at: 2019-04-24 14:47:15

End at: 2019-04-24 14:47:45

Local clock offset: -0.025 ms

Remote clock offset: 0.011 ms

Below is generated by plot.py at 2019-04-24 18:29:35

Datalink statistics

-- Total of 1 flow:

Average throughput: 363.07 Mbit/s

95th percentile per-packet one-way delay: 145.088 ms

Loss rate: 0.53%

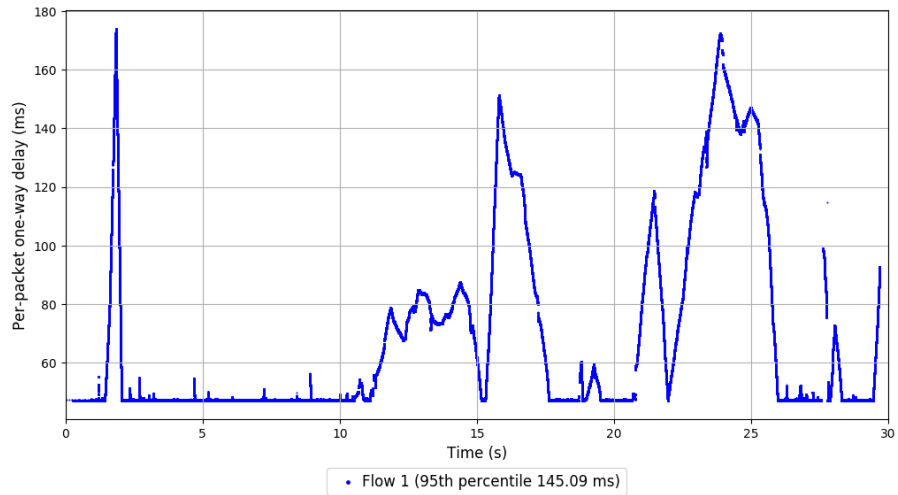
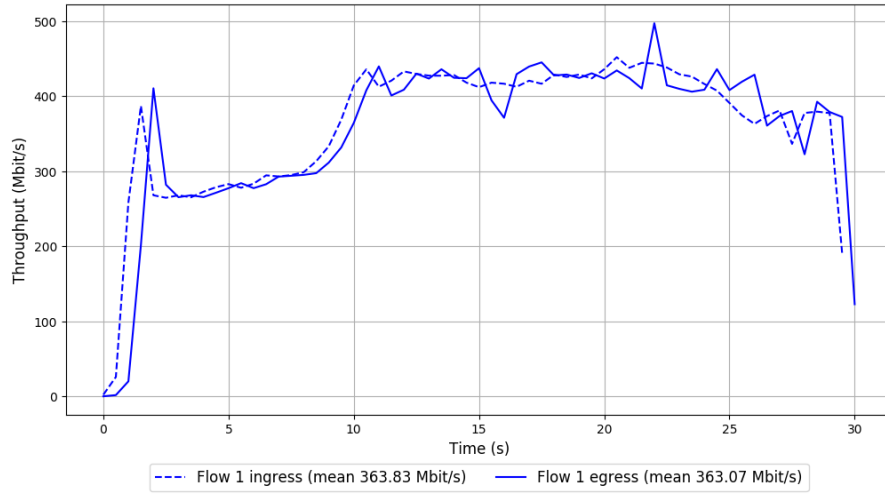
-- Flow 1:

Average throughput: 363.07 Mbit/s

95th percentile per-packet one-way delay: 145.088 ms

Loss rate: 0.53%

Run 1: Report of PCC-Allegro — Data Link



Run 2: Statistics of PCC-Allegro

Start at: 2019-04-24 15:17:09

End at: 2019-04-24 15:17:39

Local clock offset: 0.023 ms

Remote clock offset: -0.073 ms

Below is generated by plot.py at 2019-04-24 18:29:35

Datalink statistics

-- Total of 1 flow:

Average throughput: 302.49 Mbit/s

95th percentile per-packet one-way delay: 162.169 ms

Loss rate: 4.49%

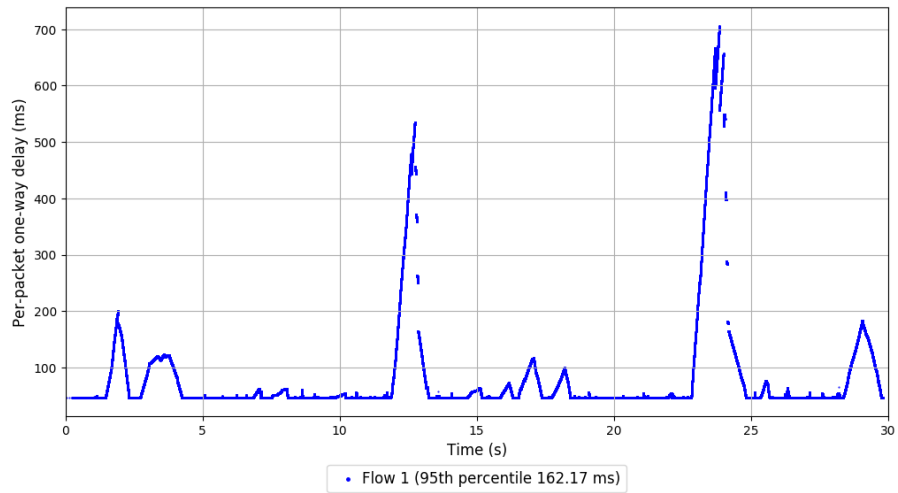
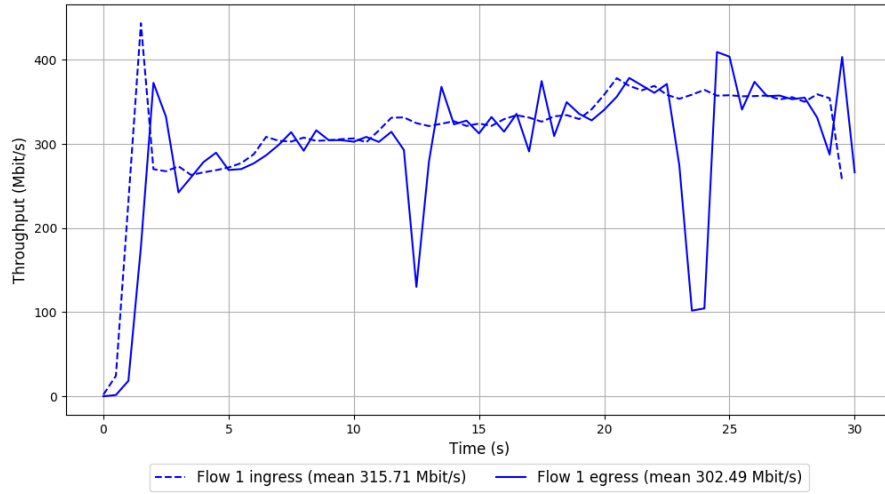
-- Flow 1:

Average throughput: 302.49 Mbit/s

95th percentile per-packet one-way delay: 162.169 ms

Loss rate: 4.49%

Run 2: Report of PCC-Allegro — Data Link



Run 3: Statistics of PCC-Allegro

Start at: 2019-04-24 15:46:52

End at: 2019-04-24 15:47:22

Local clock offset: 0.206 ms

Remote clock offset: -0.071 ms

Below is generated by plot.py at 2019-04-24 18:29:35

Datalink statistics

-- Total of 1 flow:

Average throughput: 342.54 Mbit/s

95th percentile per-packet one-way delay: 107.078 ms

Loss rate: 0.55%

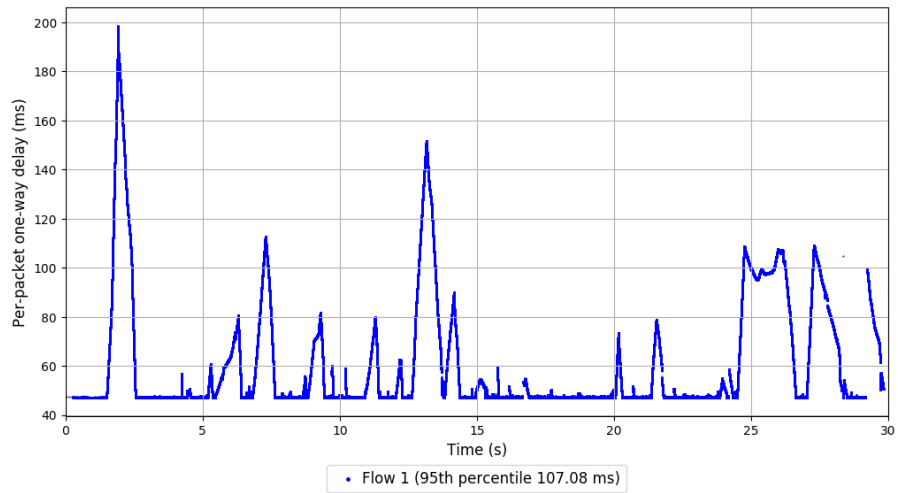
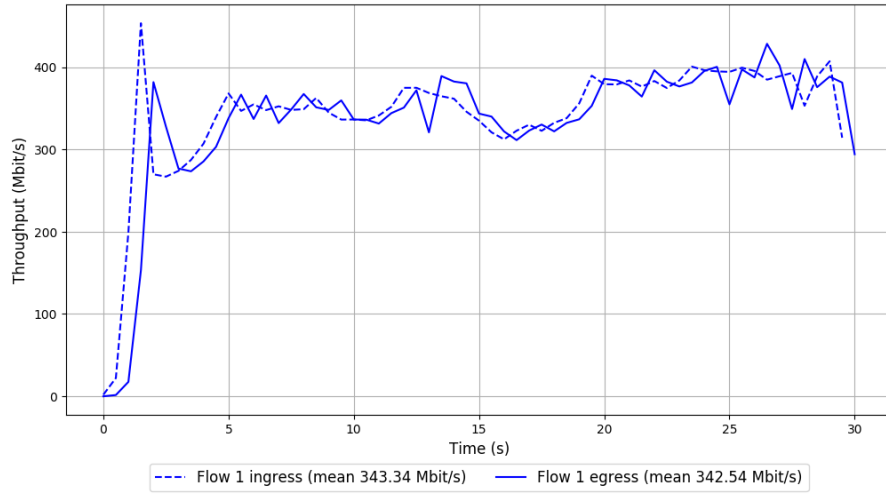
-- Flow 1:

Average throughput: 342.54 Mbit/s

95th percentile per-packet one-way delay: 107.078 ms

Loss rate: 0.55%

Run 3: Report of PCC-Allegro — Data Link



Run 4: Statistics of PCC-Allegro

Start at: 2019-04-24 16:16:41

End at: 2019-04-24 16:17:11

Local clock offset: 0.028 ms

Remote clock offset: -0.052 ms

Below is generated by plot.py at 2019-04-24 18:30:30

Datalink statistics

-- Total of 1 flow:

Average throughput: 345.43 Mbit/s

95th percentile per-packet one-way delay: 212.848 ms

Loss rate: 3.41%

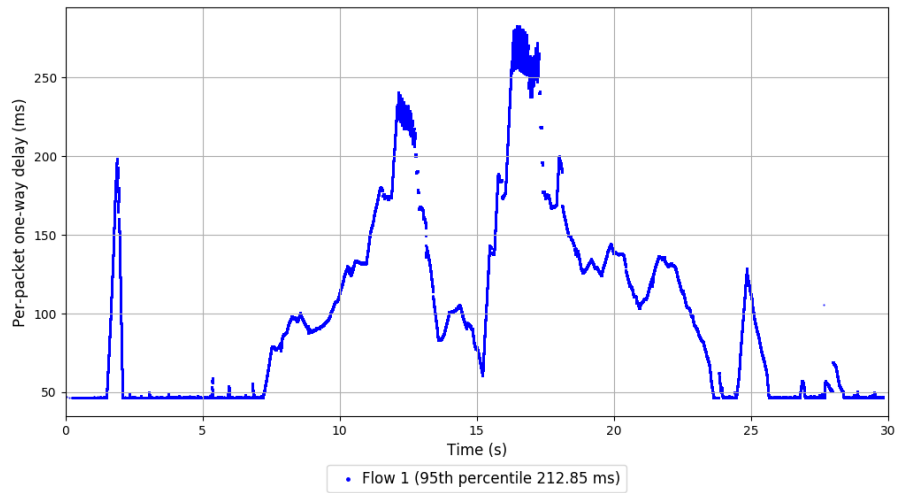
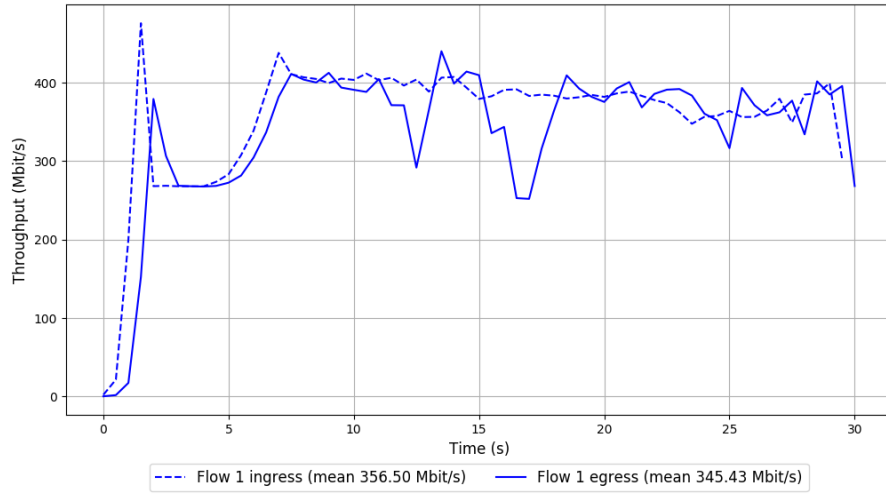
-- Flow 1:

Average throughput: 345.43 Mbit/s

95th percentile per-packet one-way delay: 212.848 ms

Loss rate: 3.41%

Run 4: Report of PCC-Allegro — Data Link



Run 5: Statistics of PCC-Allegro

Start at: 2019-04-24 16:46:29

End at: 2019-04-24 16:46:59

Local clock offset: -0.011 ms

Remote clock offset: -0.053 ms

Below is generated by plot.py at 2019-04-24 18:32:16

Datalink statistics

-- Total of 1 flow:

Average throughput: 358.25 Mbit/s

95th percentile per-packet one-way delay: 168.731 ms

Loss rate: 0.94%

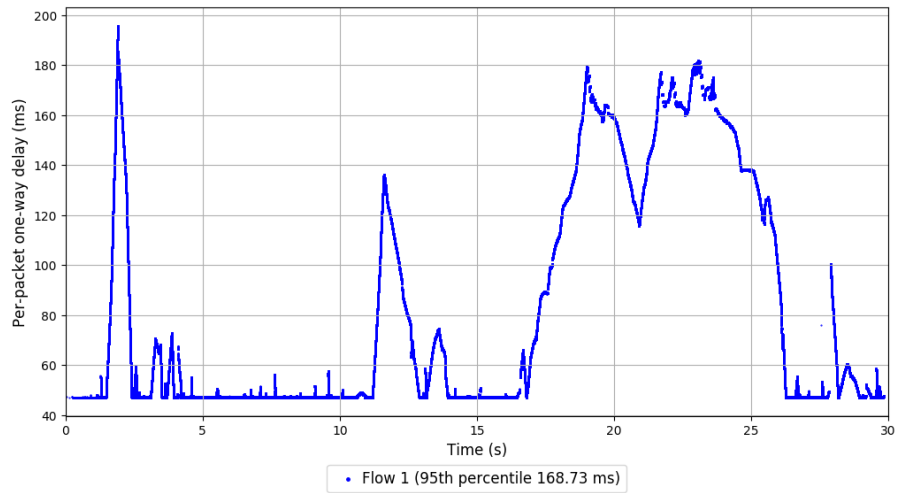
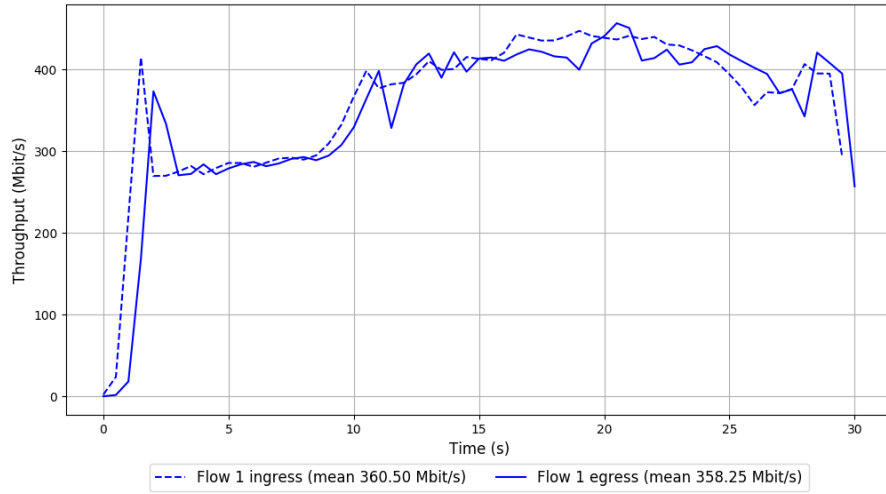
-- Flow 1:

Average throughput: 358.25 Mbit/s

95th percentile per-packet one-way delay: 168.731 ms

Loss rate: 0.94%

Run 5: Report of PCC-Allegro — Data Link



Run 1: Statistics of PCC-Expr

Start at: 2019-04-24 14:52:54

End at: 2019-04-24 14:53:24

Local clock offset: 0.012 ms

Remote clock offset: -0.06 ms

Below is generated by plot.py at 2019-04-24 18:32:16

Datalink statistics

-- Total of 1 flow:

Average throughput: 250.18 Mbit/s

95th percentile per-packet one-way delay: 146.454 ms

Loss rate: 0.90%

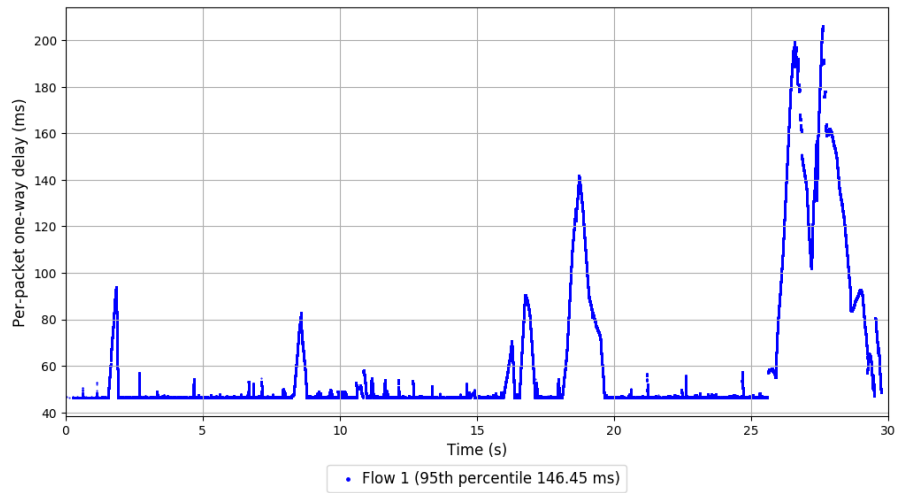
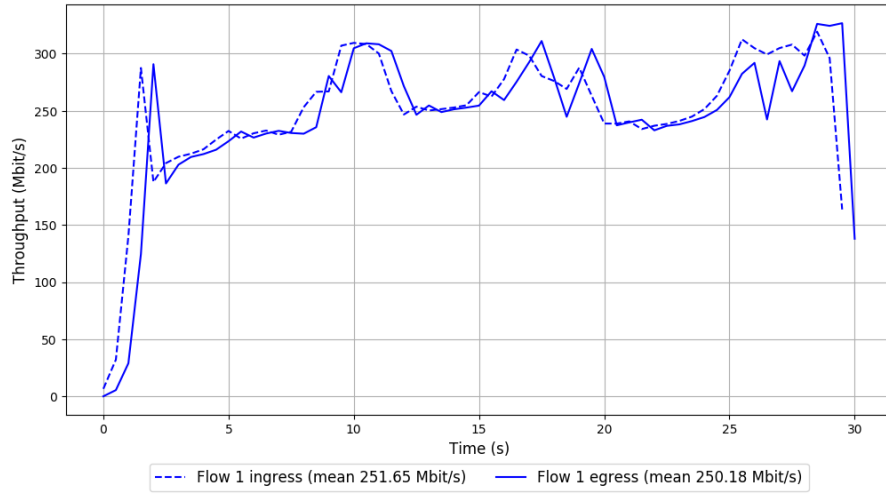
-- Flow 1:

Average throughput: 250.18 Mbit/s

95th percentile per-packet one-way delay: 146.454 ms

Loss rate: 0.90%

Run 1: Report of PCC-Expr — Data Link



Run 2: Statistics of PCC-Expr

Start at: 2019-04-24 15:22:44

End at: 2019-04-24 15:23:14

Local clock offset: 0.052 ms

Remote clock offset: -0.076 ms

Below is generated by plot.py at 2019-04-24 18:32:16

Datalink statistics

-- Total of 1 flow:

Average throughput: 209.23 Mbit/s

95th percentile per-packet one-way delay: 113.808 ms

Loss rate: 0.41%

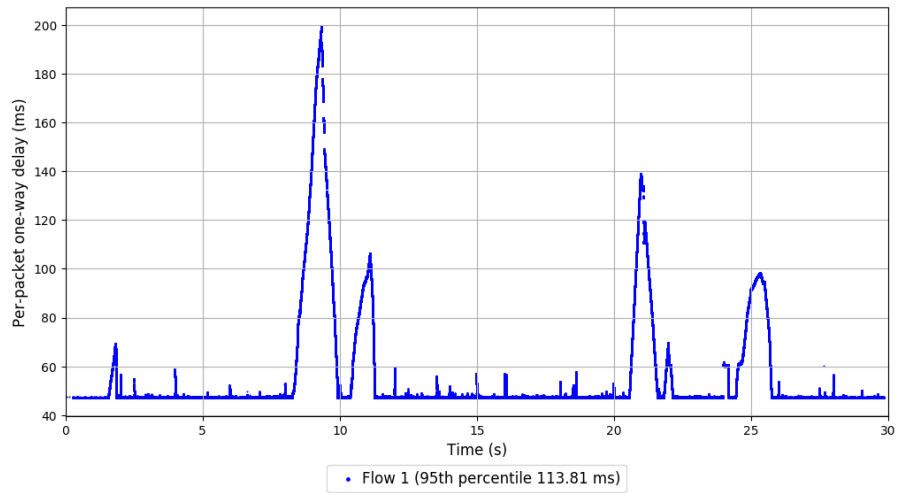
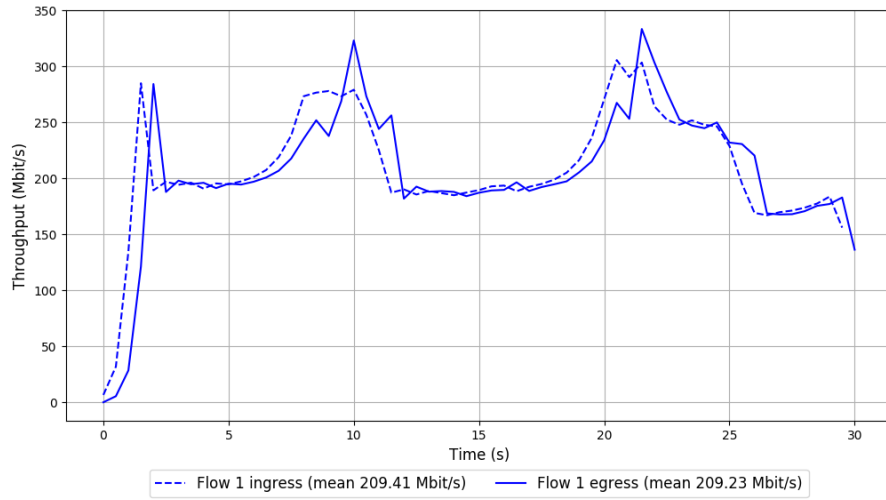
-- Flow 1:

Average throughput: 209.23 Mbit/s

95th percentile per-packet one-way delay: 113.808 ms

Loss rate: 0.41%

Run 2: Report of PCC-Expr — Data Link



Run 3: Statistics of PCC-Expr

Start at: 2019-04-24 15:52:28

End at: 2019-04-24 15:52:58

Local clock offset: 0.213 ms

Remote clock offset: -0.058 ms

Below is generated by plot.py at 2019-04-24 18:32:16

Datalink statistics

-- Total of 1 flow:

Average throughput: 222.11 Mbit/s

95th percentile per-packet one-way delay: 120.050 ms

Loss rate: 0.37%

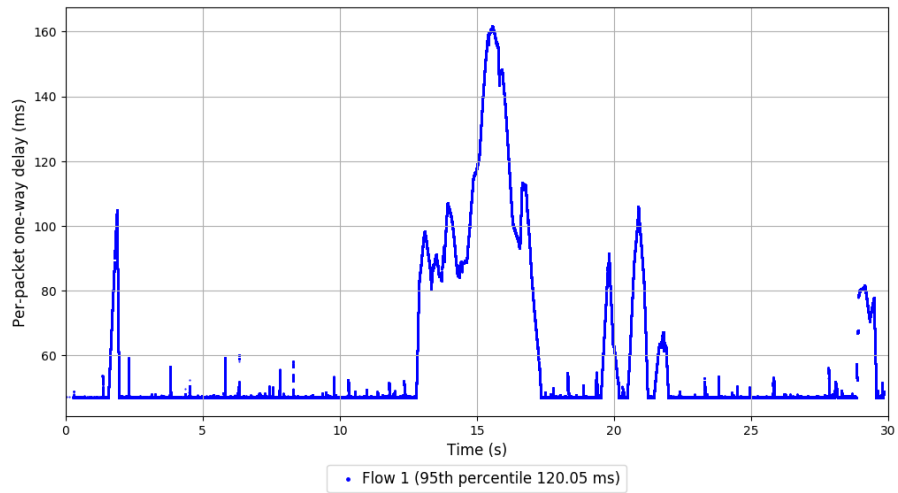
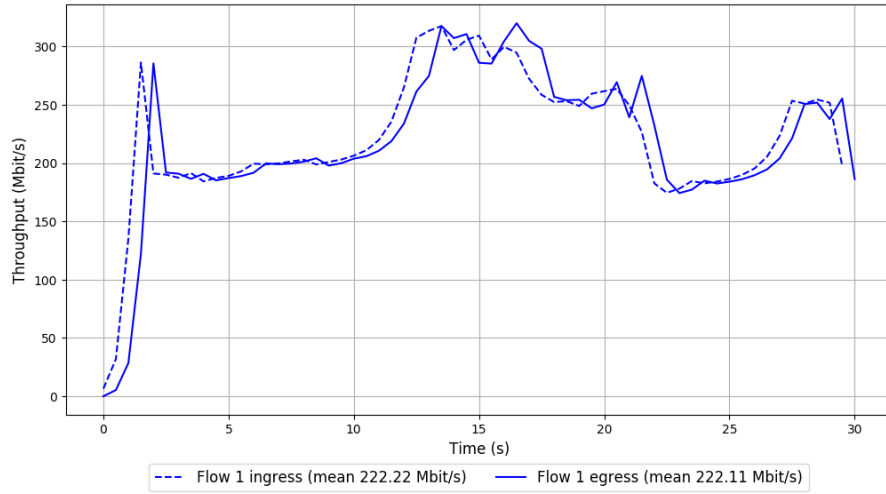
-- Flow 1:

Average throughput: 222.11 Mbit/s

95th percentile per-packet one-way delay: 120.050 ms

Loss rate: 0.37%

Run 3: Report of PCC-Expr — Data Link

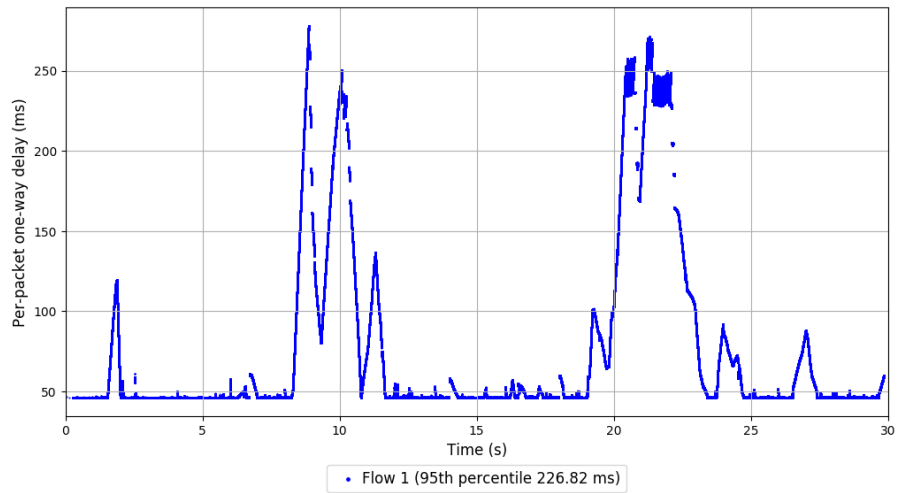
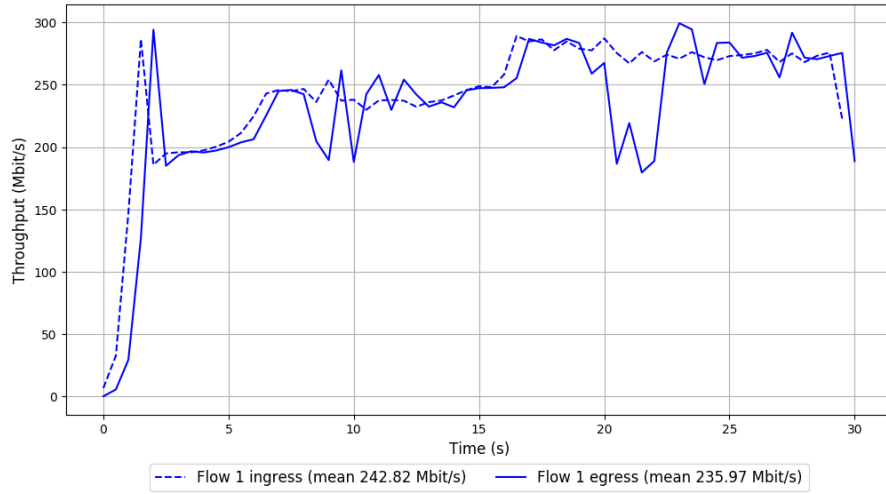


Run 4: Statistics of PCC-Expr

Start at: 2019-04-24 16:22:20
End at: 2019-04-24 16:22:50
Local clock offset: -0.308 ms
Remote clock offset: -0.067 ms

Below is generated by plot.py at 2019-04-24 18:35:47
Datalink statistics
-- Total of 1 flow:
Average throughput: 235.97 Mbit/s
95th percentile per-packet one-way delay: 226.819 ms
Loss rate: 3.13%
-- Flow 1:
Average throughput: 235.97 Mbit/s
95th percentile per-packet one-way delay: 226.819 ms
Loss rate: 3.13%

Run 4: Report of PCC-Expr — Data Link



Run 5: Statistics of PCC-Expr

Start at: 2019-04-24 16:52:09

End at: 2019-04-24 16:52:39

Local clock offset: 0.37 ms

Remote clock offset: -0.082 ms

Below is generated by plot.py at 2019-04-24 18:38:40

Datalink statistics

-- Total of 1 flow:

Average throughput: 246.07 Mbit/s

95th percentile per-packet one-way delay: 184.230 ms

Loss rate: 5.20%

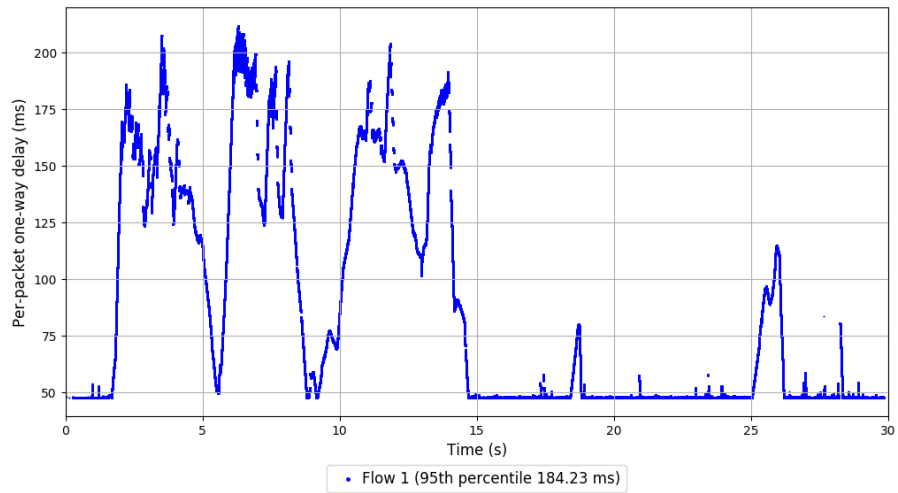
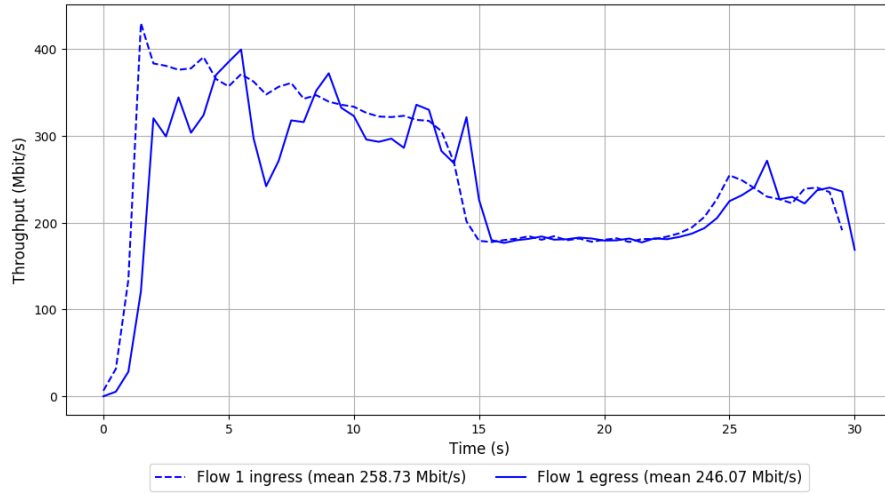
-- Flow 1:

Average throughput: 246.07 Mbit/s

95th percentile per-packet one-way delay: 184.230 ms

Loss rate: 5.20%

Run 5: Report of PCC-Expr — Data Link



Run 1: Statistics of QUIC Cubic

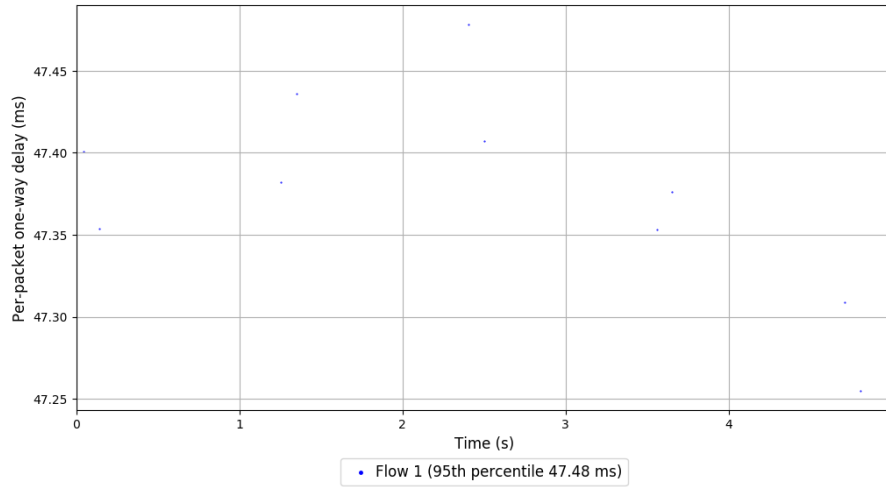
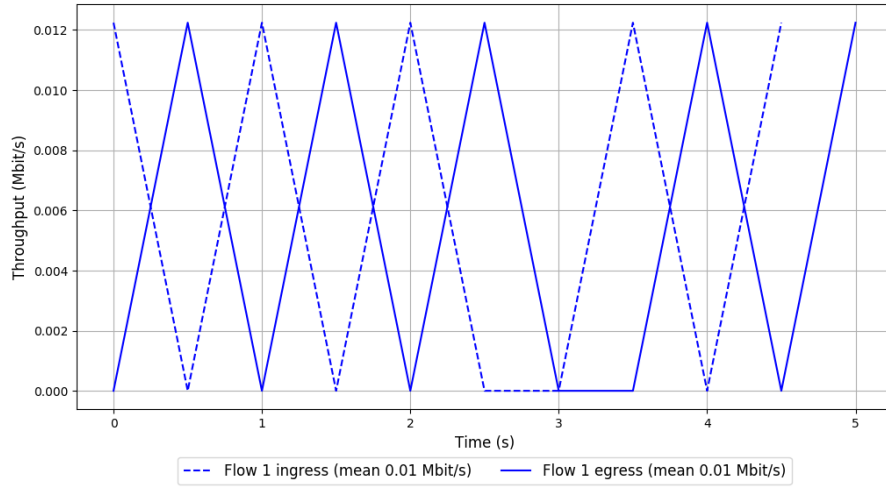
Start at: 2019-04-24 14:44:40

End at: 2019-04-24 14:45:10

Local clock offset: -0.054 ms

Remote clock offset: -0.036 ms

Run 1: Report of QUIC Cubic — Data Link



Run 2: Statistics of QUIC Cubic

Start at: 2019-04-24 15:14:30

End at: 2019-04-24 15:15:00

Local clock offset: 0.024 ms

Remote clock offset: -0.08 ms

Below is generated by plot.py at 2019-04-24 18:38:40

Datalink statistics

-- Total of 1 flow:

Average throughput: 65.08 Mbit/s

95th percentile per-packet one-way delay: 47.256 ms

Loss rate: 0.40%

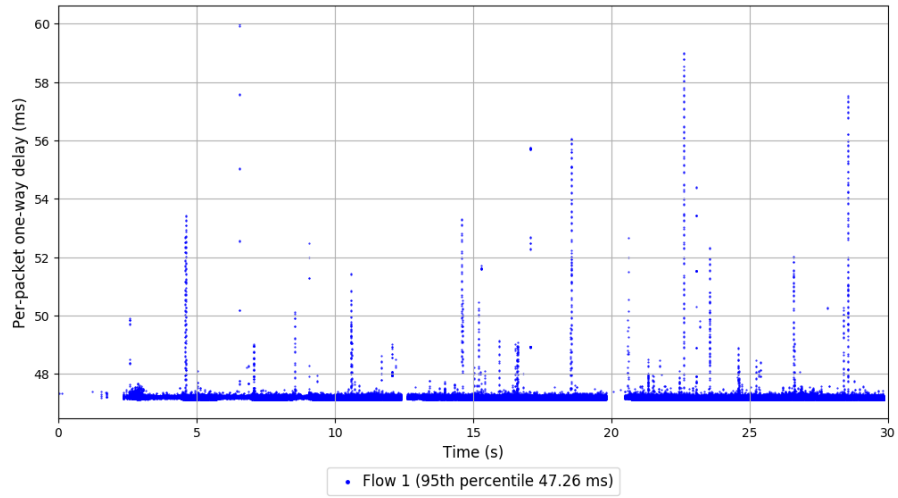
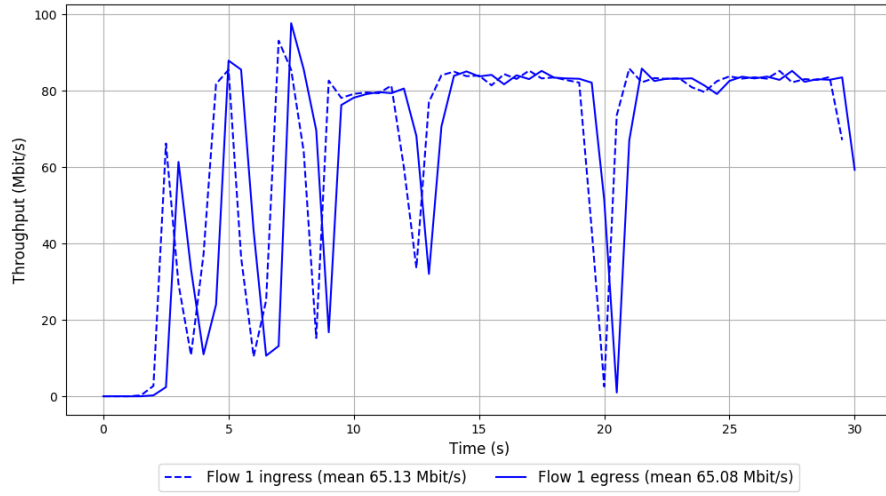
-- Flow 1:

Average throughput: 65.08 Mbit/s

95th percentile per-packet one-way delay: 47.256 ms

Loss rate: 0.40%

Run 2: Report of QUIC Cubic — Data Link



Run 3: Statistics of QUIC Cubic

Start at: 2019-04-24 15:44:13

End at: 2019-04-24 15:44:43

Local clock offset: 0.173 ms

Remote clock offset: -0.086 ms

Below is generated by plot.py at 2019-04-24 18:38:40

Datalink statistics

-- Total of 1 flow:

Average throughput: 53.90 Mbit/s

95th percentile per-packet one-way delay: 47.311 ms

Loss rate: 0.52%

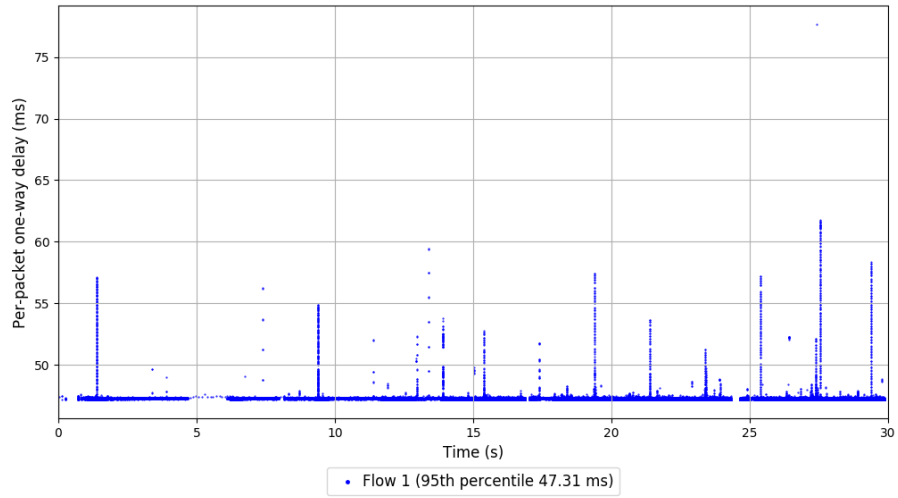
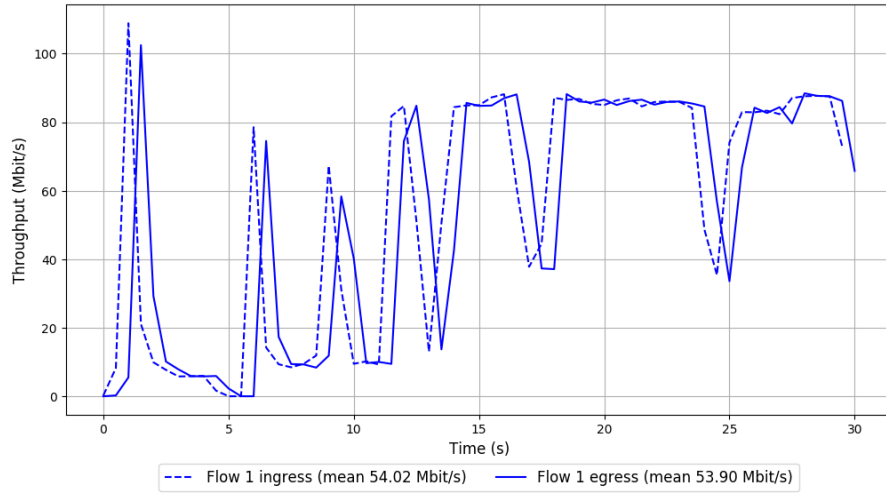
-- Flow 1:

Average throughput: 53.90 Mbit/s

95th percentile per-packet one-way delay: 47.311 ms

Loss rate: 0.52%

Run 3: Report of QUIC Cubic — Data Link



Run 4: Statistics of QUIC Cubic

Start at: 2019-04-24 16:14:01

End at: 2019-04-24 16:14:31

Local clock offset: 0.455 ms

Remote clock offset: -0.051 ms

Below is generated by plot.py at 2019-04-24 18:38:40

Datalink statistics

-- Total of 1 flow:

Average throughput: 52.27 Mbit/s

95th percentile per-packet one-way delay: 47.533 ms

Loss rate: 0.52%

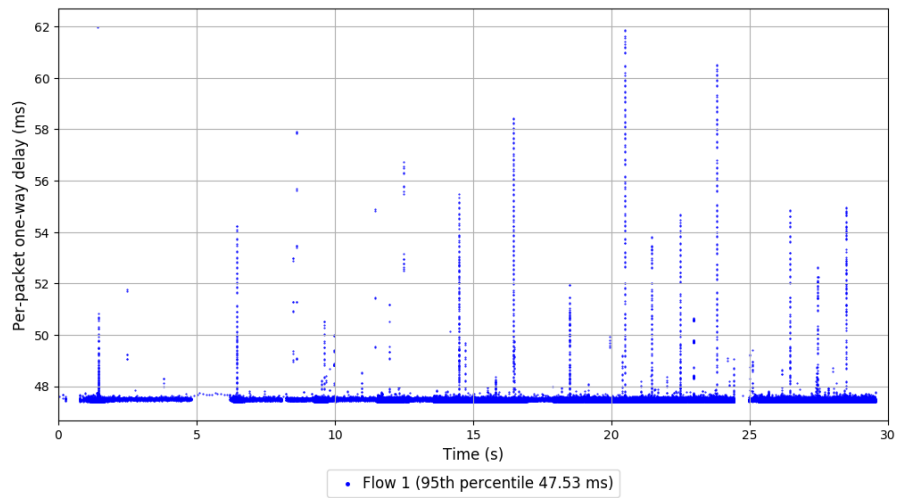
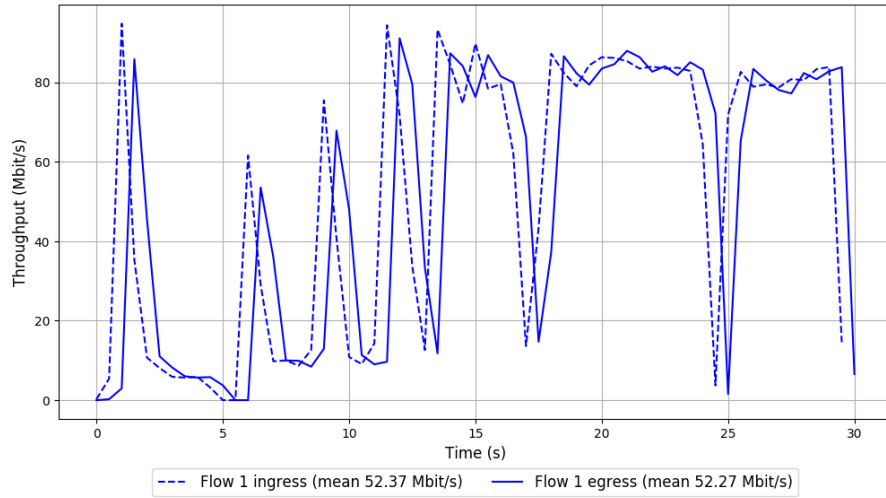
-- Flow 1:

Average throughput: 52.27 Mbit/s

95th percentile per-packet one-way delay: 47.533 ms

Loss rate: 0.52%

Run 4: Report of QUIC Cubic — Data Link



Run 5: Statistics of QUIC Cubic

Start at: 2019-04-24 16:43:52

End at: 2019-04-24 16:44:22

Local clock offset: -0.01 ms

Remote clock offset: -0.061 ms

Below is generated by plot.py at 2019-04-24 18:38:40

Datalink statistics

-- Total of 1 flow:

Average throughput: 40.65 Mbit/s

95th percentile per-packet one-way delay: 47.121 ms

Loss rate: 0.35%

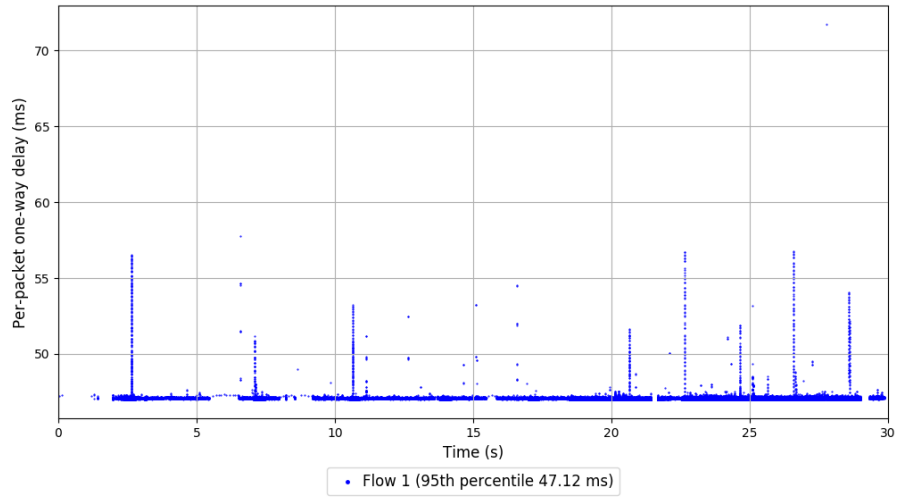
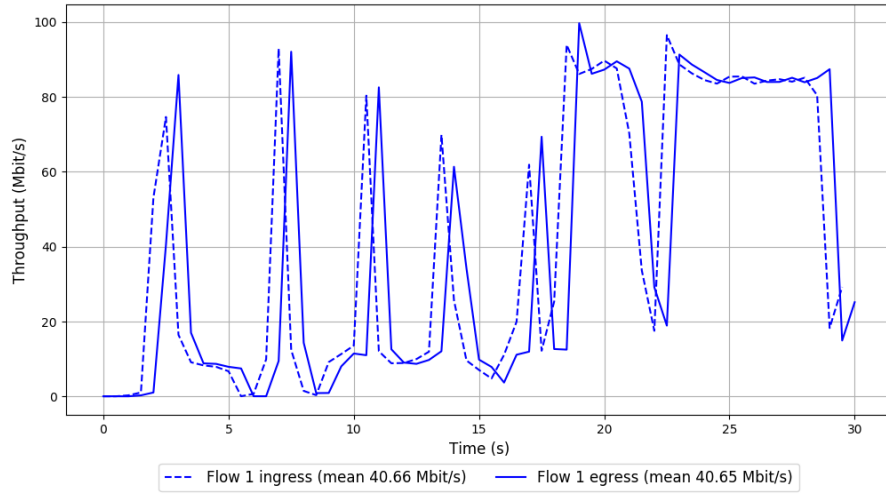
-- Flow 1:

Average throughput: 40.65 Mbit/s

95th percentile per-packet one-way delay: 47.121 ms

Loss rate: 0.35%

Run 5: Report of QUIC Cubic — Data Link



Run 1: Statistics of SCReAM

Start at: 2019-04-24 14:55:46

End at: 2019-04-24 14:56:16

Local clock offset: 0.024 ms

Remote clock offset: -0.05 ms

Below is generated by plot.py at 2019-04-24 18:38:40

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 47.510 ms

Loss rate: 0.38%

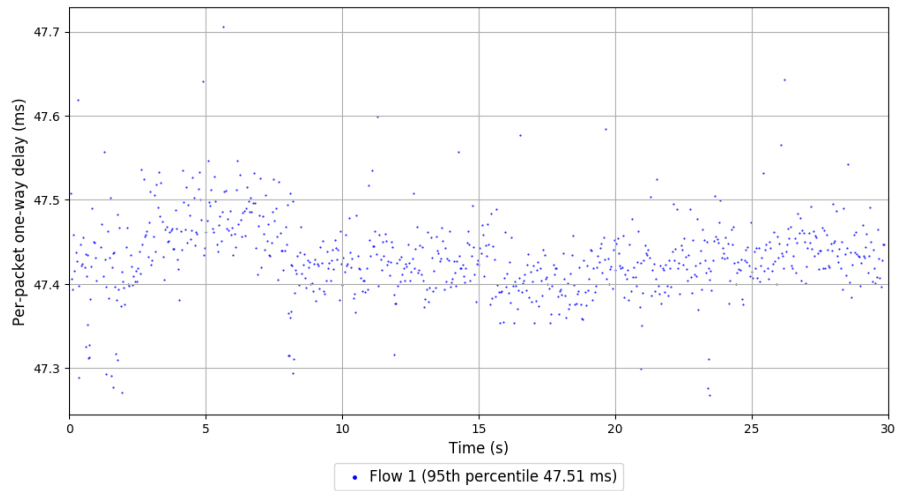
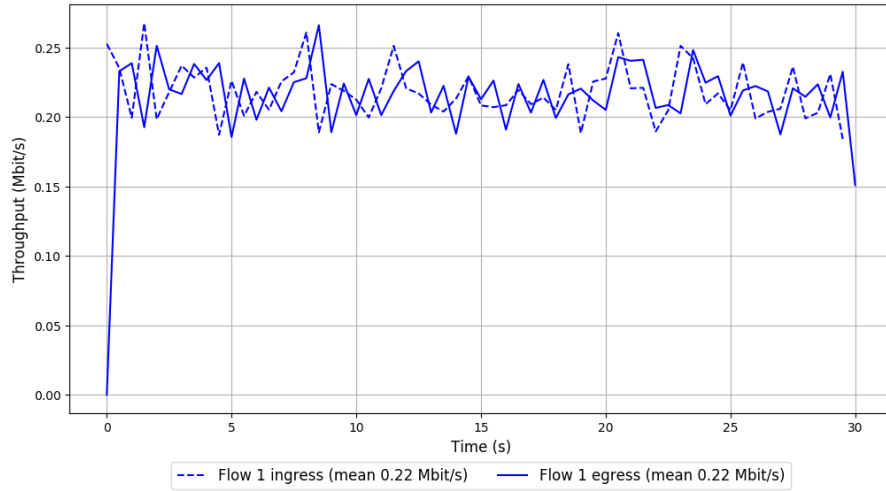
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 47.510 ms

Loss rate: 0.38%

Run 1: Report of SCReAM — Data Link

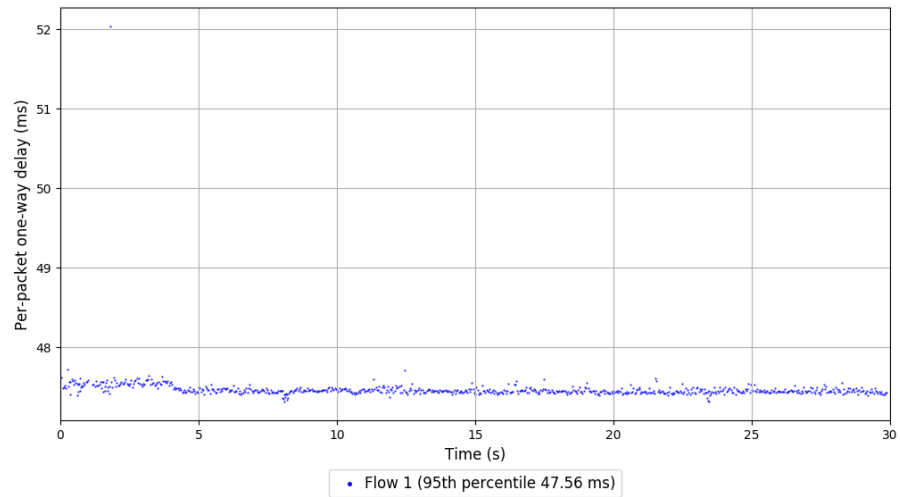
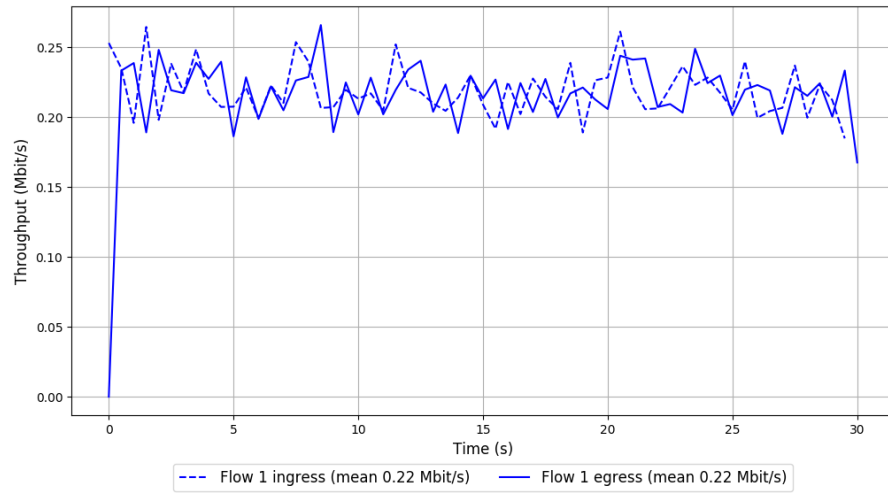


Run 2: Statistics of SCReAM

Start at: 2019-04-24 15:25:30
End at: 2019-04-24 15:26:00
Local clock offset: 0.068 ms
Remote clock offset: -0.101 ms

Below is generated by plot.py at 2019-04-24 18:38:40
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 47.562 ms
Loss rate: 0.26%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 47.562 ms
Loss rate: 0.26%

Run 2: Report of SCReAM — Data Link

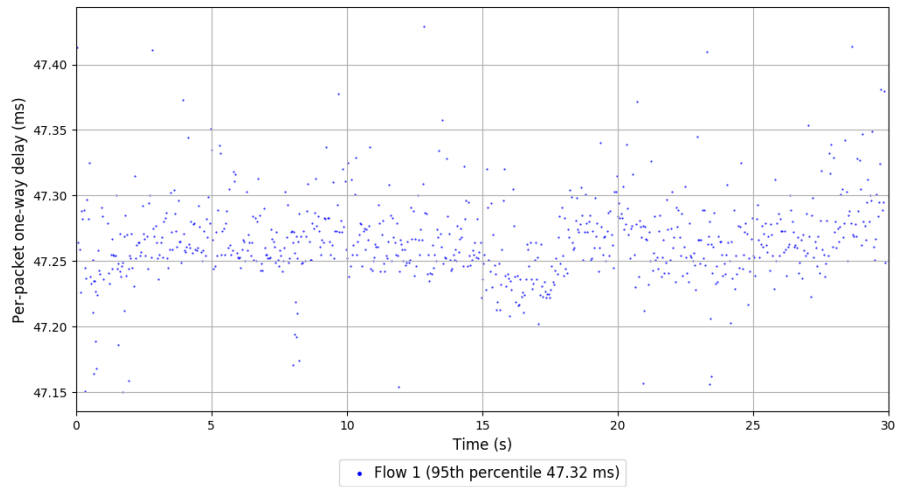
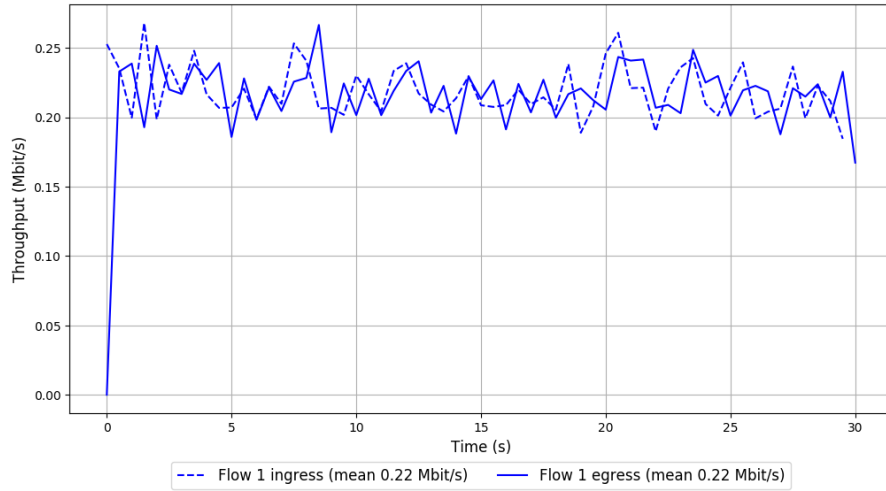


Run 3: Statistics of SCReAM

Start at: 2019-04-24 15:55:14
End at: 2019-04-24 15:55:44
Local clock offset: 0.217 ms
Remote clock offset: -0.085 ms

Below is generated by plot.py at 2019-04-24 18:38:40
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 47.322 ms
Loss rate: 0.26%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 47.322 ms
Loss rate: 0.26%

Run 3: Report of SCReAM — Data Link

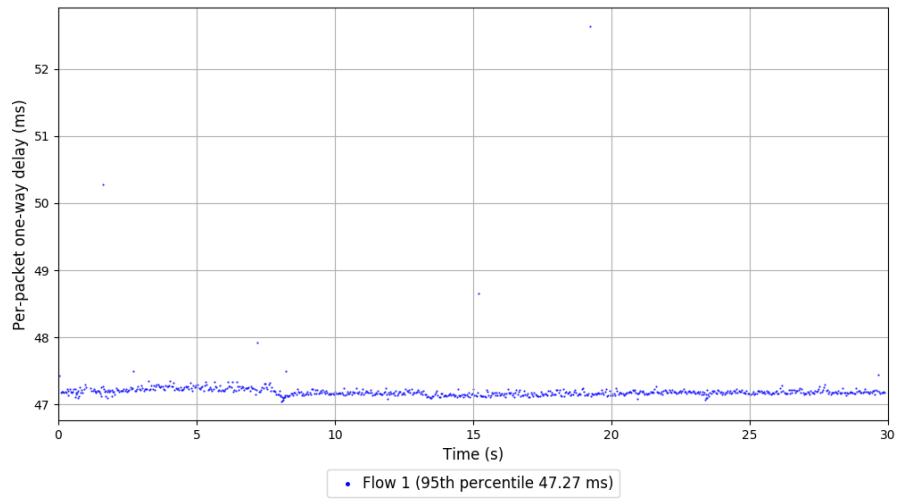
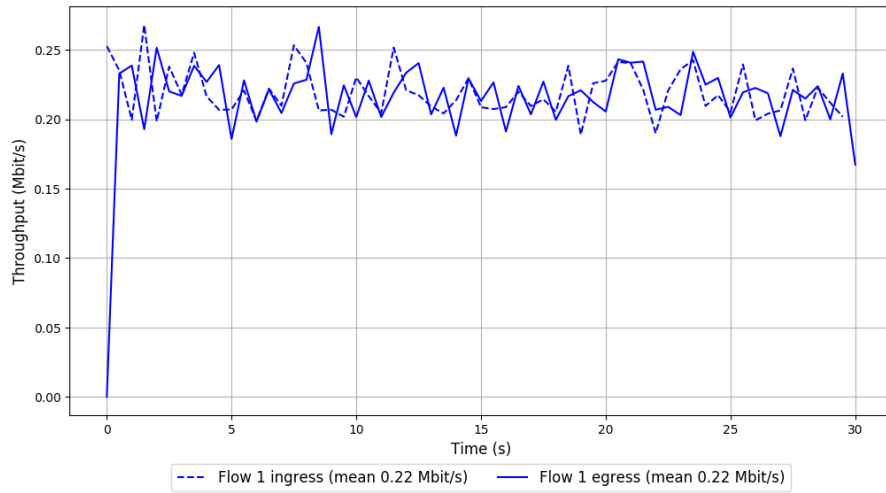


Run 4: Statistics of SCReAM

Start at: 2019-04-24 16:25:12
End at: 2019-04-24 16:25:42
Local clock offset: -0.014 ms
Remote clock offset: -0.016 ms

Below is generated by plot.py at 2019-04-24 18:38:40
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 47.269 ms
Loss rate: 0.39%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 47.269 ms
Loss rate: 0.39%

Run 4: Report of SCReAM — Data Link

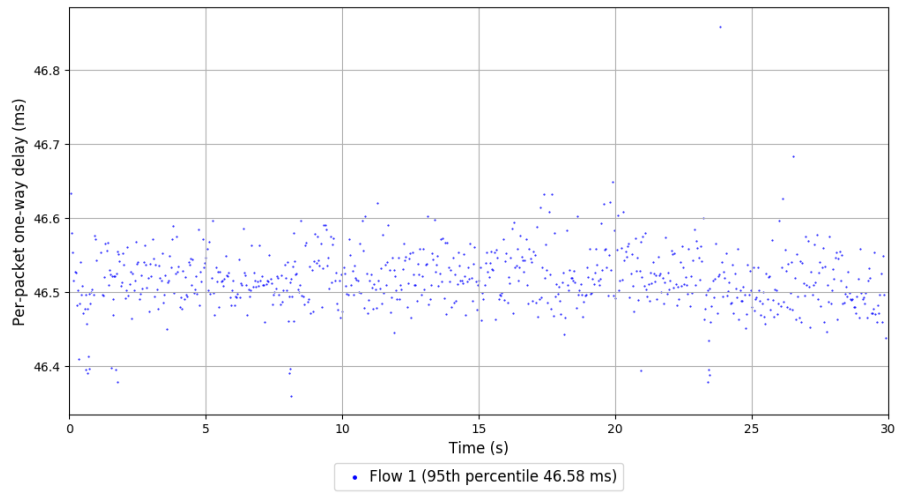
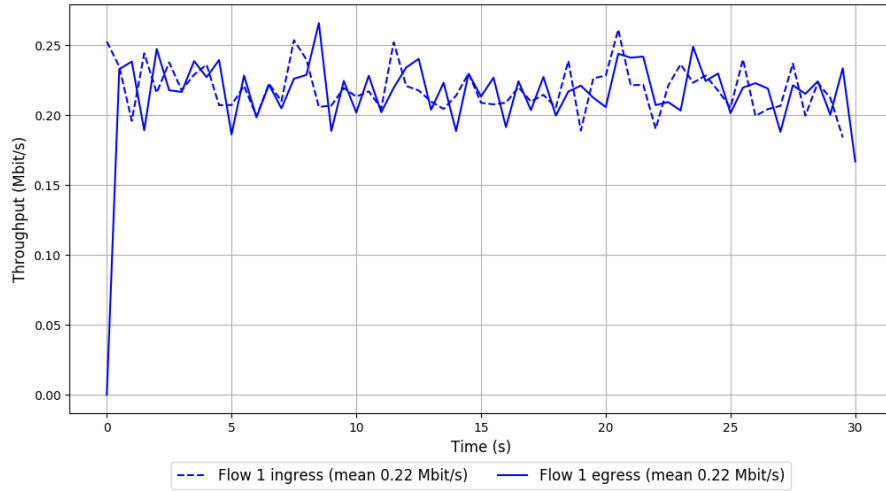


Run 5: Statistics of SCReAM

Start at: 2019-04-24 16:55:00
End at: 2019-04-24 16:55:30
Local clock offset: -0.037 ms
Remote clock offset: -0.038 ms

Below is generated by plot.py at 2019-04-24 18:38:40
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 46.580 ms
Loss rate: 0.26%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 46.580 ms
Loss rate: 0.26%

Run 5: Report of SCReAM — Data Link



Run 1: Statistics of Sprout

Start at: 2019-04-24 14:39:05

End at: 2019-04-24 14:39:35

Local clock offset: 0.347 ms

Remote clock offset: -0.031 ms

Below is generated by plot.py at 2019-04-24 18:38:40

Datalink statistics

-- Total of 1 flow:

Average throughput: 9.67 Mbit/s

95th percentile per-packet one-way delay: 48.558 ms

Loss rate: 0.35%

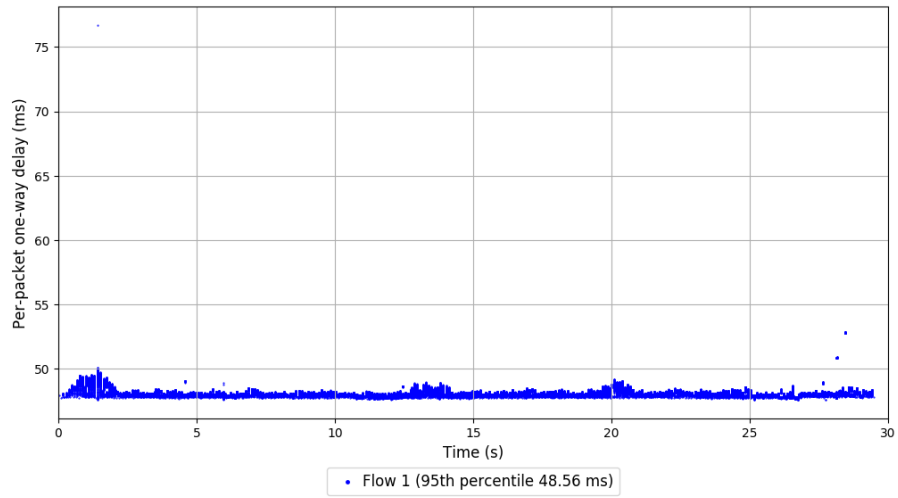
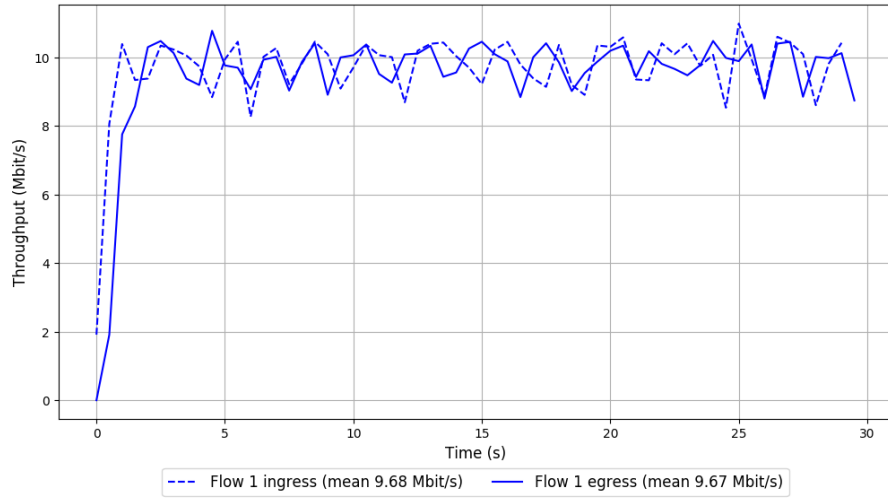
-- Flow 1:

Average throughput: 9.67 Mbit/s

95th percentile per-packet one-way delay: 48.558 ms

Loss rate: 0.35%

Run 1: Report of Sprout — Data Link

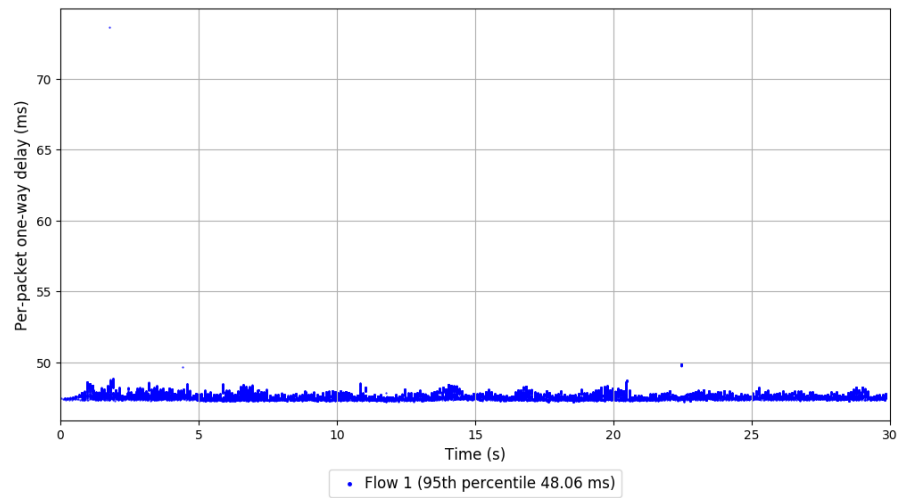
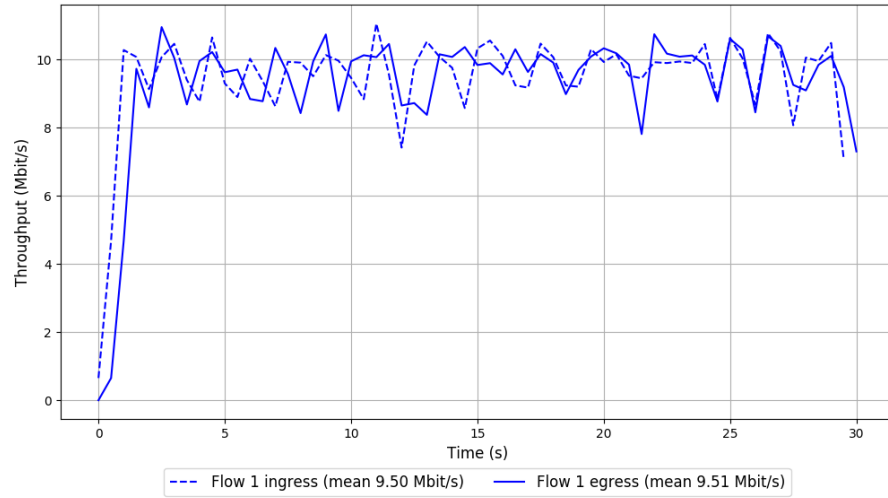


Run 2: Statistics of Sprout

Start at: 2019-04-24 15:08:52
End at: 2019-04-24 15:09:22
Local clock offset: 0.04 ms
Remote clock offset: -0.072 ms

```
# Below is generated by plot.py at 2019-04-24 18:38:40
# Datalink statistics
-- Total of 1 flow:
Average throughput: 9.51 Mbit/s
95th percentile per-packet one-way delay: 48.062 ms
Loss rate: 0.26%
-- Flow 1:
Average throughput: 9.51 Mbit/s
95th percentile per-packet one-way delay: 48.062 ms
Loss rate: 0.26%
```

Run 2: Report of Sprout — Data Link



Run 3: Statistics of Sprout

Start at: 2019-04-24 15:38:38

End at: 2019-04-24 15:39:08

Local clock offset: 0.183 ms

Remote clock offset: -0.04 ms

Below is generated by plot.py at 2019-04-24 18:38:40

Datalink statistics

-- Total of 1 flow:

Average throughput: 9.71 Mbit/s

95th percentile per-packet one-way delay: 47.943 ms

Loss rate: 0.35%

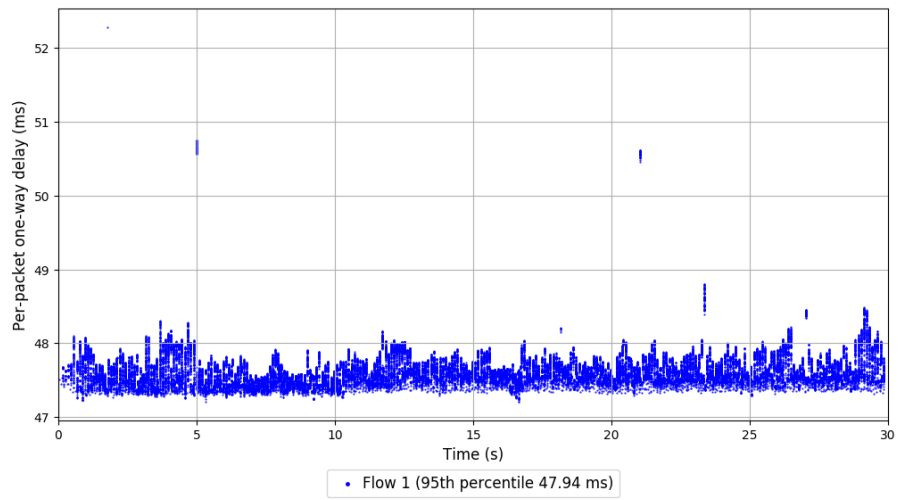
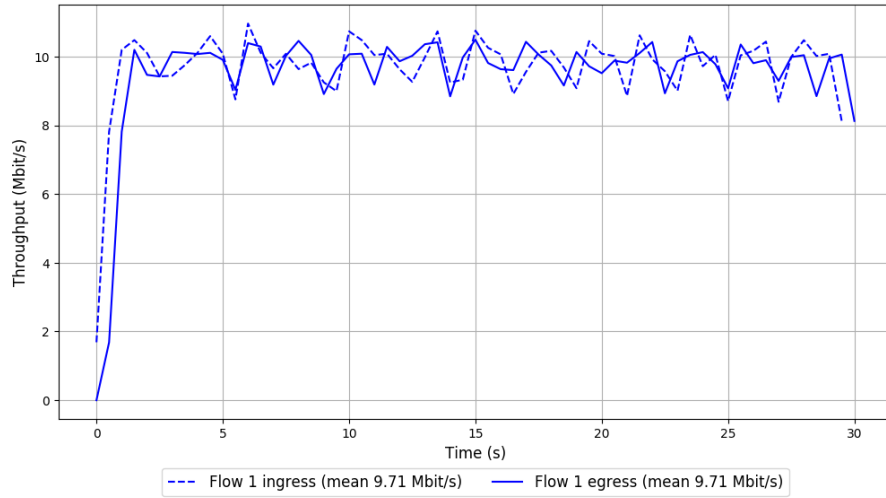
-- Flow 1:

Average throughput: 9.71 Mbit/s

95th percentile per-packet one-way delay: 47.943 ms

Loss rate: 0.35%

Run 3: Report of Sprout — Data Link



Run 4: Statistics of Sprout

Start at: 2019-04-24 16:08:26

End at: 2019-04-24 16:08:56

Local clock offset: 0.091 ms

Remote clock offset: -0.051 ms

Below is generated by plot.py at 2019-04-24 18:38:40

Datalink statistics

-- Total of 1 flow:

Average throughput: 9.70 Mbit/s

95th percentile per-packet one-way delay: 47.688 ms

Loss rate: 0.35%

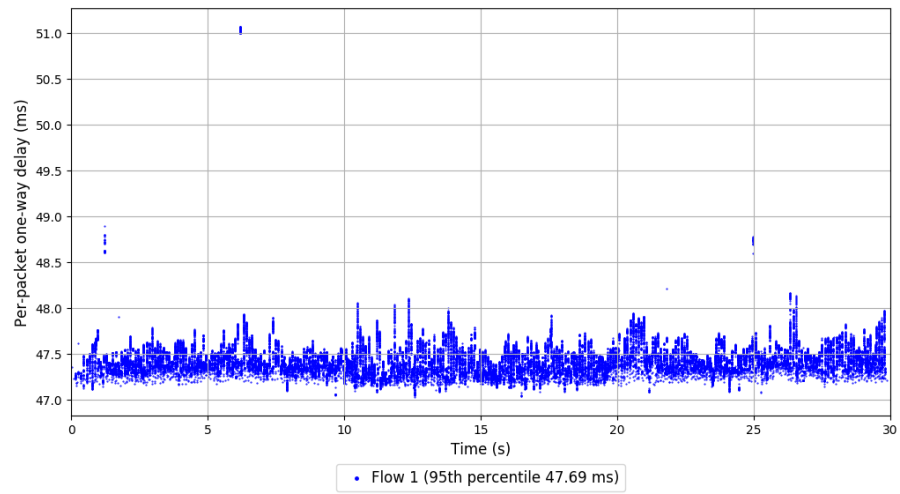
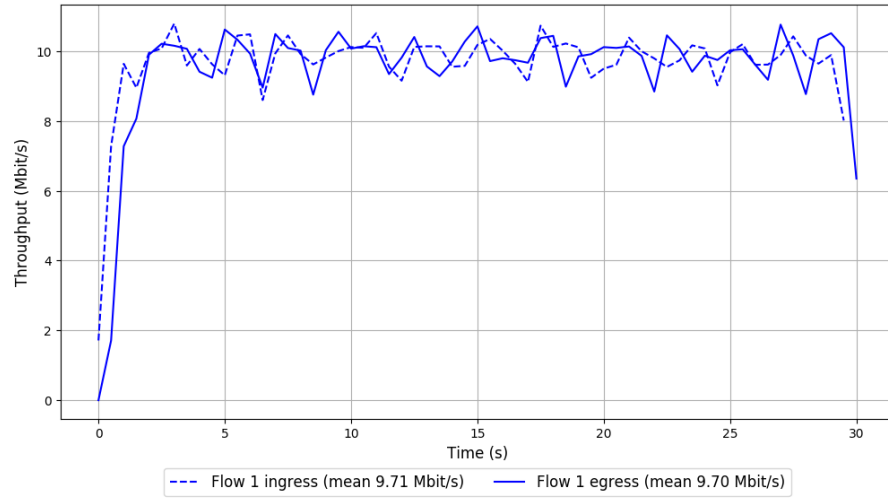
-- Flow 1:

Average throughput: 9.70 Mbit/s

95th percentile per-packet one-way delay: 47.688 ms

Loss rate: 0.35%

Run 4: Report of Sprout — Data Link



Run 5: Statistics of Sprout

Start at: 2019-04-24 16:38:16

End at: 2019-04-24 16:38:46

Local clock offset: -0.04 ms

Remote clock offset: -0.05 ms

Below is generated by plot.py at 2019-04-24 18:38:40

Datalink statistics

-- Total of 1 flow:

Average throughput: 9.55 Mbit/s

95th percentile per-packet one-way delay: 47.886 ms

Loss rate: 0.32%

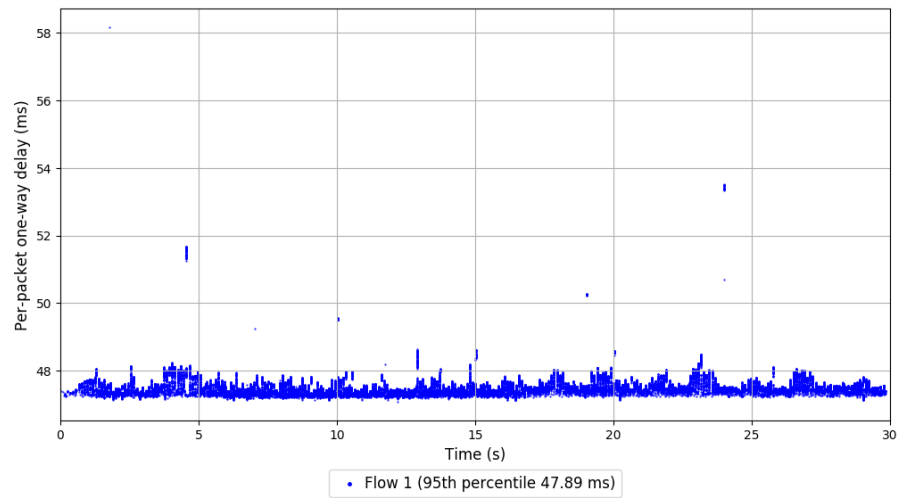
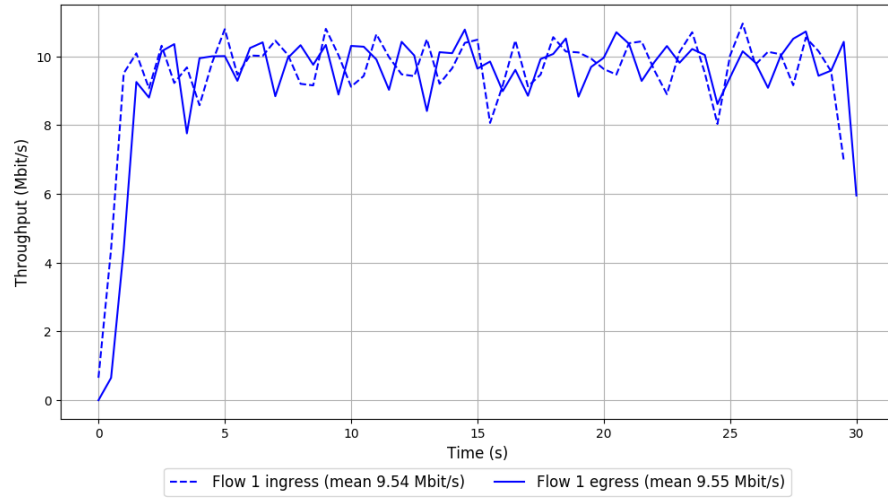
-- Flow 1:

Average throughput: 9.55 Mbit/s

95th percentile per-packet one-way delay: 47.886 ms

Loss rate: 0.32%

Run 5: Report of Sprout — Data Link



Run 1: Statistics of TaoVA-100x

Start at: 2019-04-24 14:45:48
End at: 2019-04-24 14:46:18
Local clock offset: -0.021 ms
Remote clock offset: -0.002 ms

Below is generated by plot.py at 2019-04-24 18:39:08

Datalink statistics

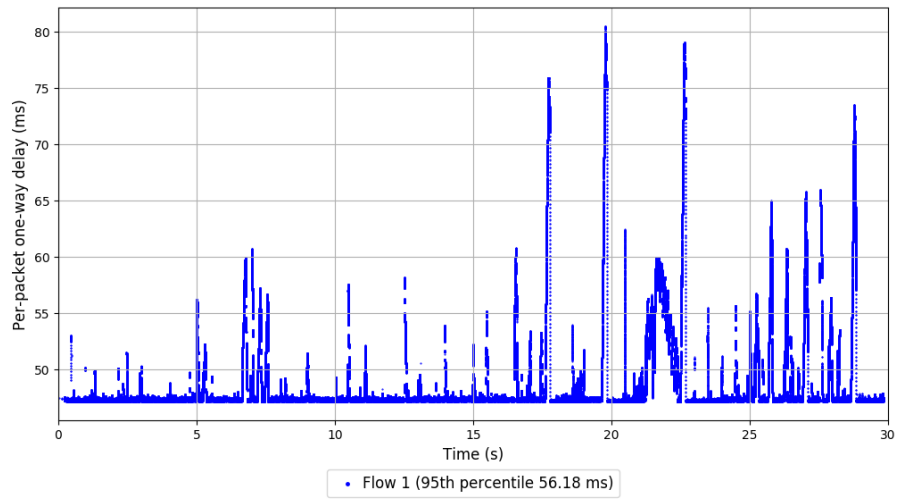
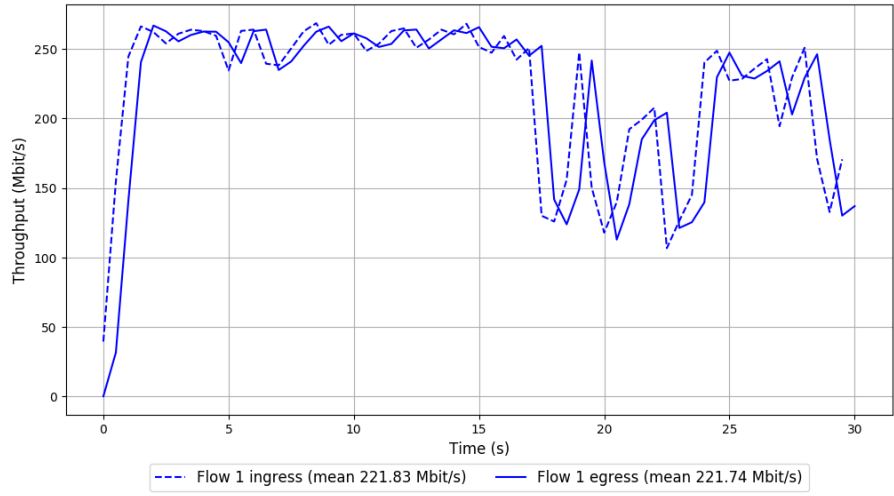
-- Total of 1 flow:

Average throughput: 221.74 Mbit/s
95th percentile per-packet one-way delay: 56.178 ms
Loss rate: 0.36%

-- Flow 1:

Average throughput: 221.74 Mbit/s
95th percentile per-packet one-way delay: 56.178 ms
Loss rate: 0.36%

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



Run 2: Statistics of TaoVA-100x

Start at: 2019-04-24 15:15:40

End at: 2019-04-24 15:16:10

Local clock offset: 0.023 ms

Remote clock offset: -0.058 ms

Below is generated by plot.py at 2019-04-24 18:40:16

Datalink statistics

-- Total of 1 flow:

Average throughput: 242.70 Mbit/s

95th percentile per-packet one-way delay: 50.804 ms

Loss rate: 0.30%

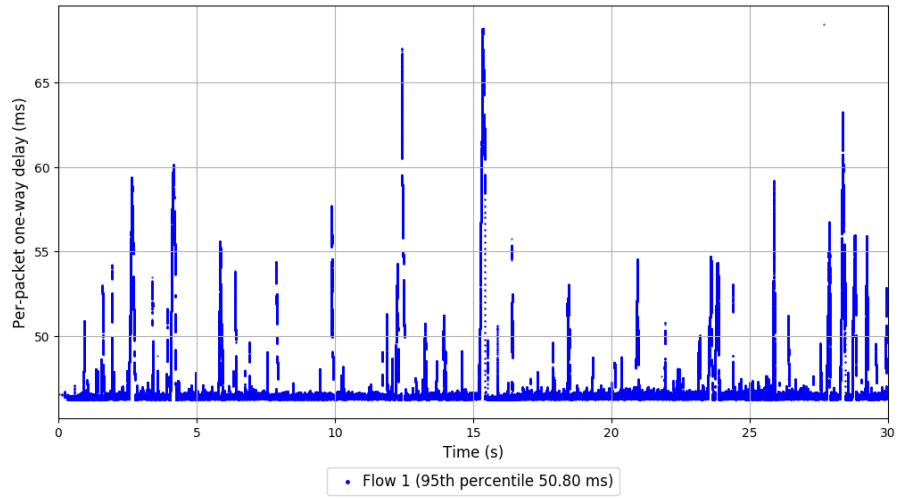
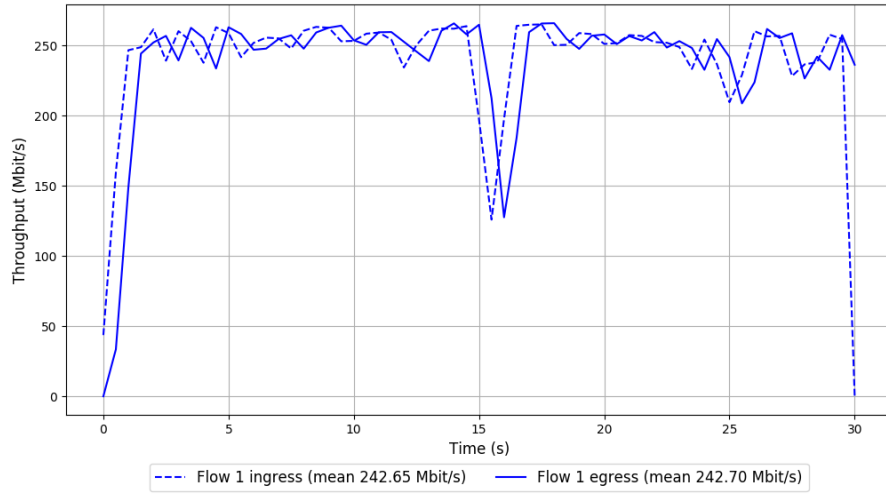
-- Flow 1:

Average throughput: 242.70 Mbit/s

95th percentile per-packet one-way delay: 50.804 ms

Loss rate: 0.30%

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



Run 3: Statistics of TaoVA-100x

Start at: 2019-04-24 15:45:23

End at: 2019-04-24 15:45:53

Local clock offset: 0.187 ms

Remote clock offset: -0.053 ms

Below is generated by plot.py at 2019-04-24 18:40:20

Datalink statistics

-- Total of 1 flow:

Average throughput: 242.42 Mbit/s

95th percentile per-packet one-way delay: 51.202 ms

Loss rate: 0.23%

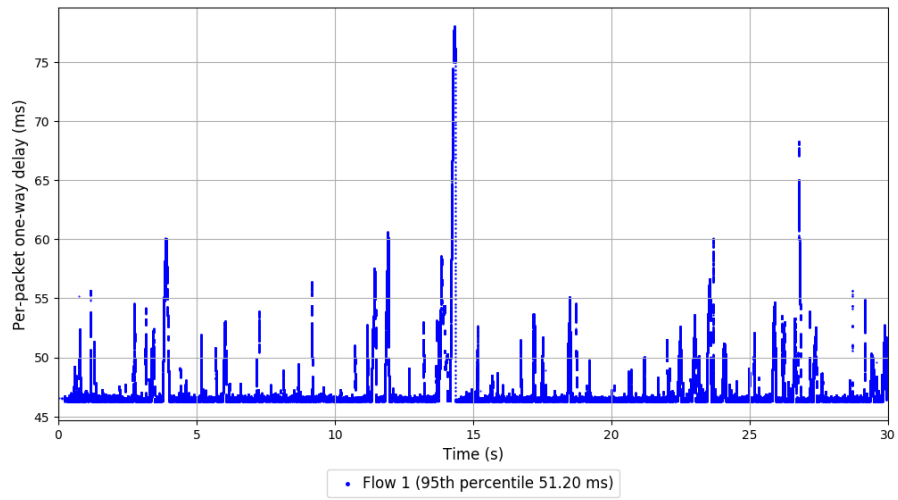
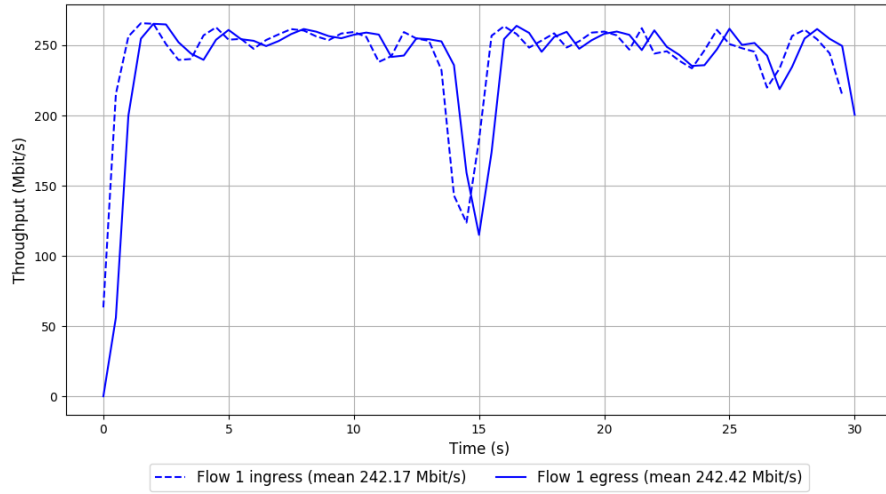
-- Flow 1:

Average throughput: 242.42 Mbit/s

95th percentile per-packet one-way delay: 51.202 ms

Loss rate: 0.23%

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



Run 4: Statistics of TaoVA-100x

Start at: 2019-04-24 16:15:12

End at: 2019-04-24 16:15:42

Local clock offset: 0.045 ms

Remote clock offset: -0.06 ms

Below is generated by plot.py at 2019-04-24 18:40:23

Datalink statistics

-- Total of 1 flow:

Average throughput: 246.55 Mbit/s

95th percentile per-packet one-way delay: 50.079 ms

Loss rate: 0.13%

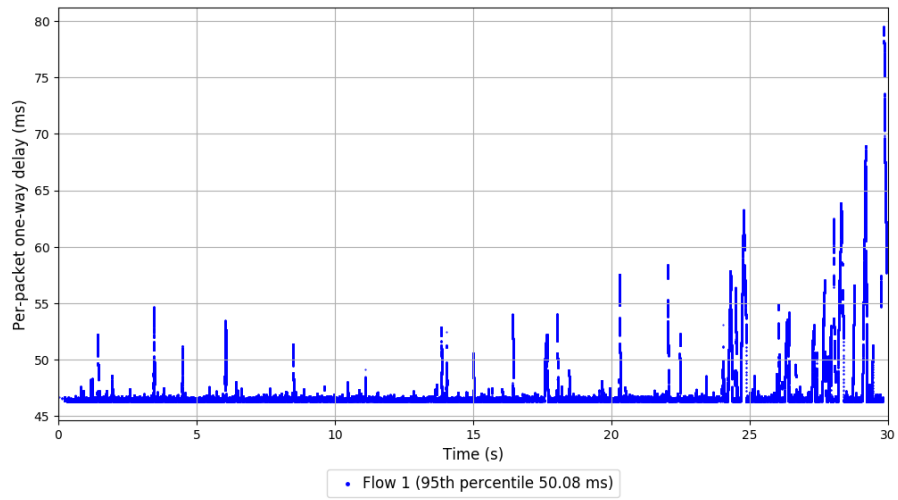
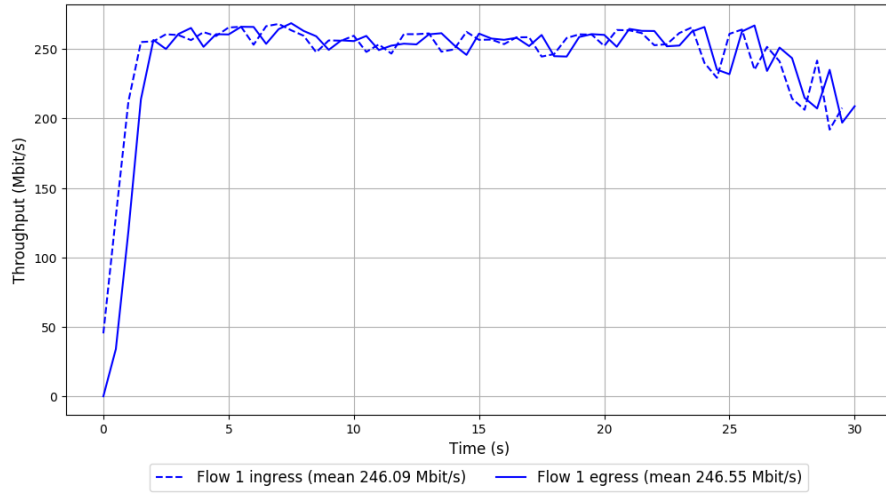
-- Flow 1:

Average throughput: 246.55 Mbit/s

95th percentile per-packet one-way delay: 50.079 ms

Loss rate: 0.13%

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



Run 5: Statistics of TaoVA-100x

Start at: 2019-04-24 16:45:02

End at: 2019-04-24 16:45:32

Local clock offset: -0.0 ms

Remote clock offset: -0.076 ms

Below is generated by plot.py at 2019-04-24 18:40:23

Datalink statistics

-- Total of 1 flow:

Average throughput: 220.15 Mbit/s

95th percentile per-packet one-way delay: 57.520 ms

Loss rate: 0.37%

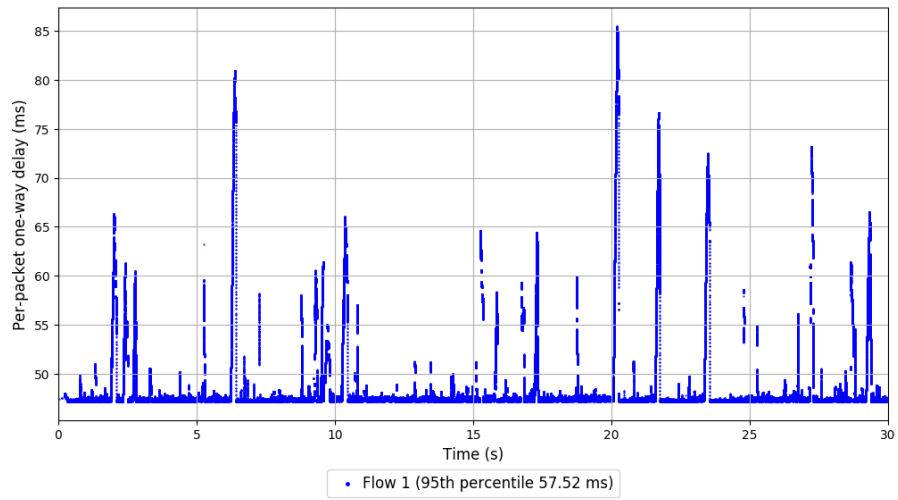
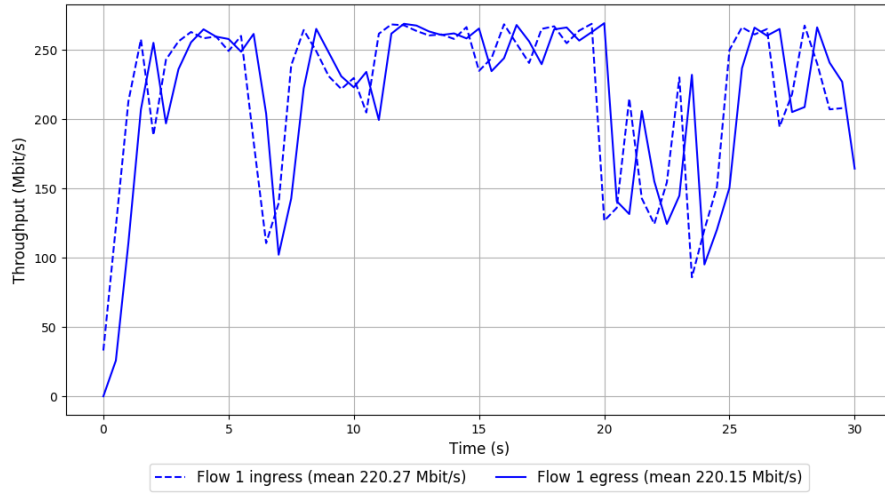
-- Flow 1:

Average throughput: 220.15 Mbit/s

95th percentile per-packet one-way delay: 57.520 ms

Loss rate: 0.37%

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



Run 1: Statistics of TCP Vegas

Start at: 2019-04-24 14:51:25
End at: 2019-04-24 14:51:55
Local clock offset: -0.044 ms
Remote clock offset: -0.014 ms

Below is generated by plot.py at 2019-04-24 18:41:40

Datalink statistics

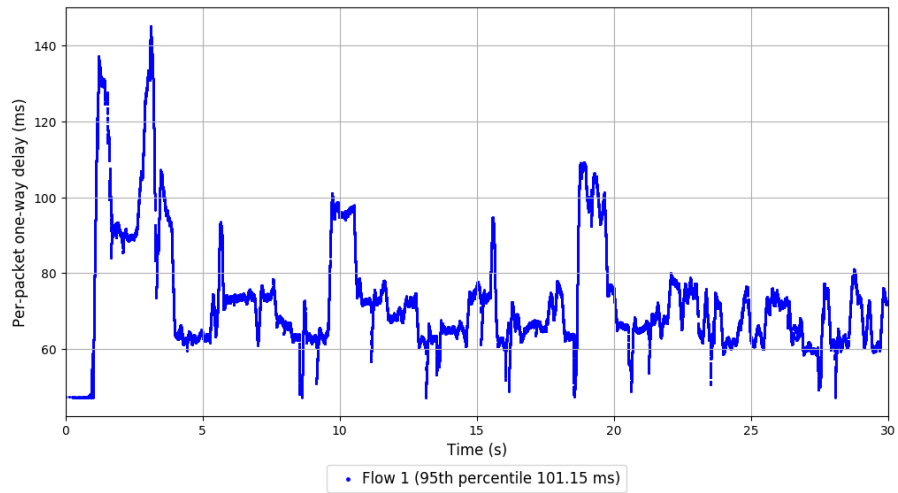
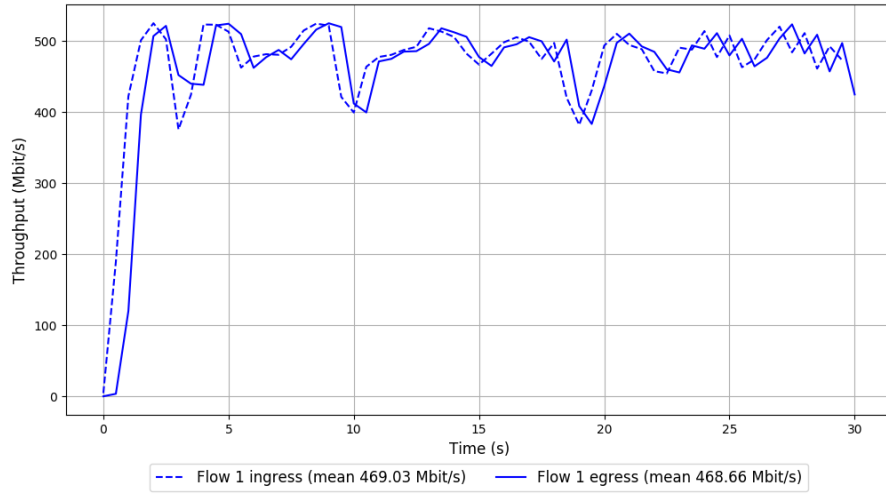
-- Total of 1 flow:

Average throughput: 468.66 Mbit/s
95th percentile per-packet one-way delay: 101.154 ms
Loss rate: 0.39%

-- Flow 1:

Average throughput: 468.66 Mbit/s
95th percentile per-packet one-way delay: 101.154 ms
Loss rate: 0.39%

Run 1: Report of TCP Vegas — Data Link



Run 2: Statistics of TCP Vegas

Start at: 2019-04-24 15:21:17
End at: 2019-04-24 15:21:47
Local clock offset: 0.027 ms
Remote clock offset: -0.104 ms

Below is generated by plot.py at 2019-04-24 18:45:15

Datalink statistics

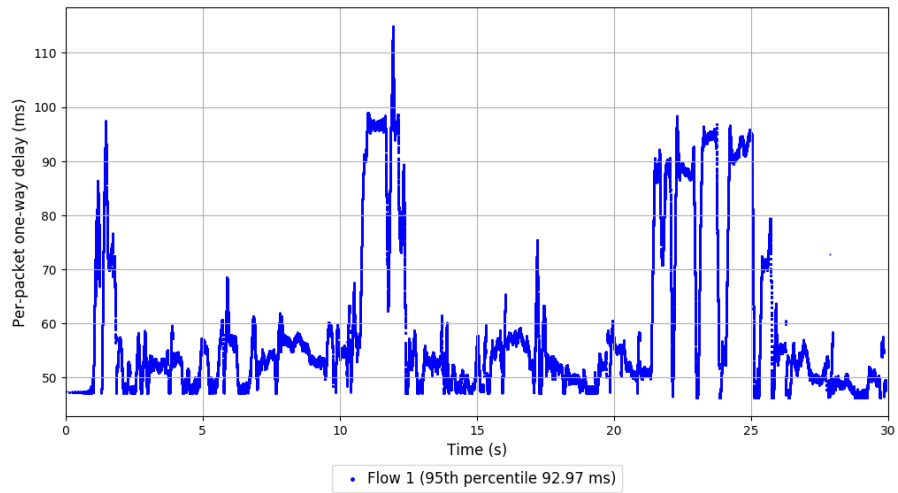
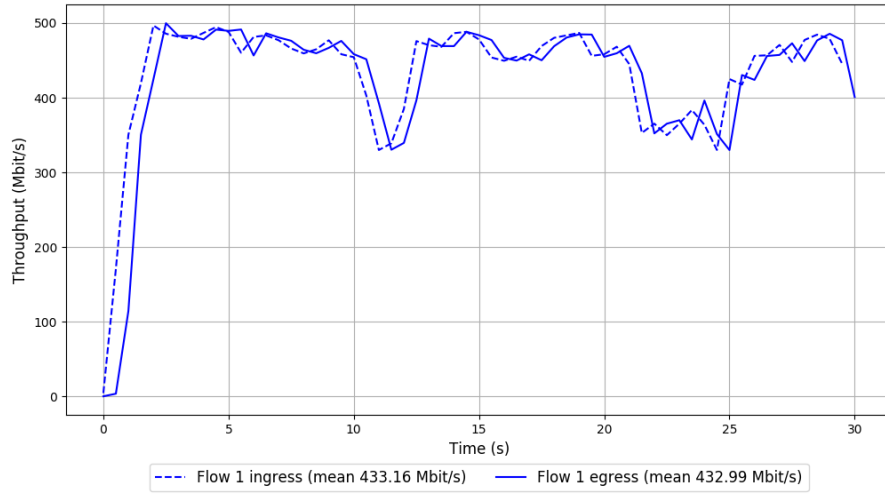
-- Total of 1 flow:

Average throughput: 432.99 Mbit/s
95th percentile per-packet one-way delay: 92.967 ms
Loss rate: 0.35%

-- Flow 1:

Average throughput: 432.99 Mbit/s
95th percentile per-packet one-way delay: 92.967 ms
Loss rate: 0.35%

Run 2: Report of TCP Vegas — Data Link



Run 3: Statistics of TCP Vegas

Start at: 2019-04-24 15:50:58

End at: 2019-04-24 15:51:28

Local clock offset: 0.2 ms

Remote clock offset: -0.096 ms

Below is generated by plot.py at 2019-04-24 18:48:01

Datalink statistics

-- Total of 1 flow:

Average throughput: 490.39 Mbit/s

95th percentile per-packet one-way delay: 75.020 ms

Loss rate: 0.19%

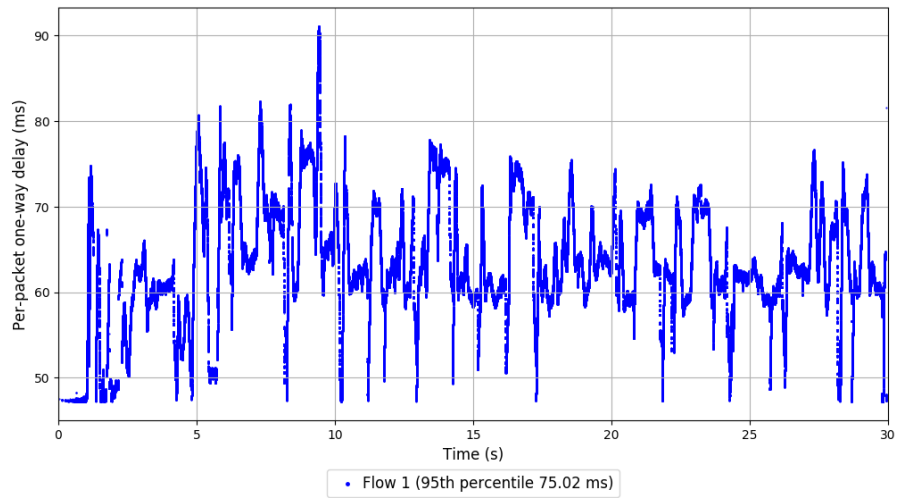
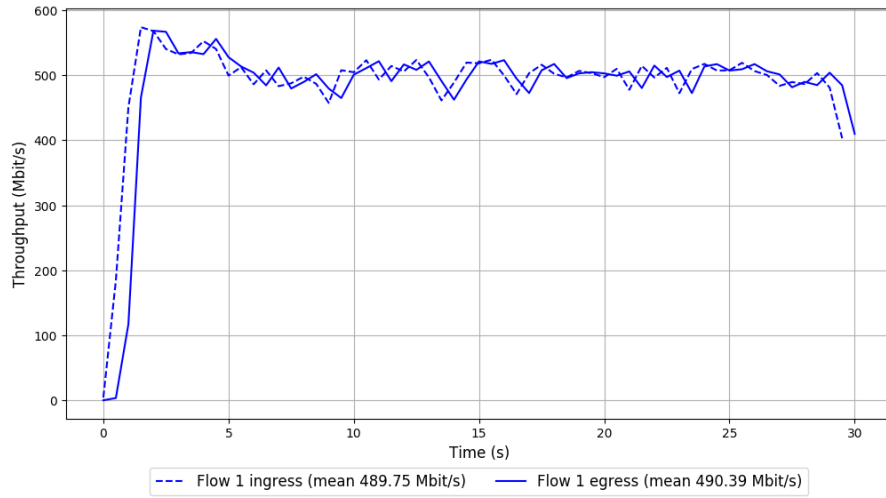
-- Flow 1:

Average throughput: 490.39 Mbit/s

95th percentile per-packet one-way delay: 75.020 ms

Loss rate: 0.19%

Run 3: Report of TCP Vegas — Data Link

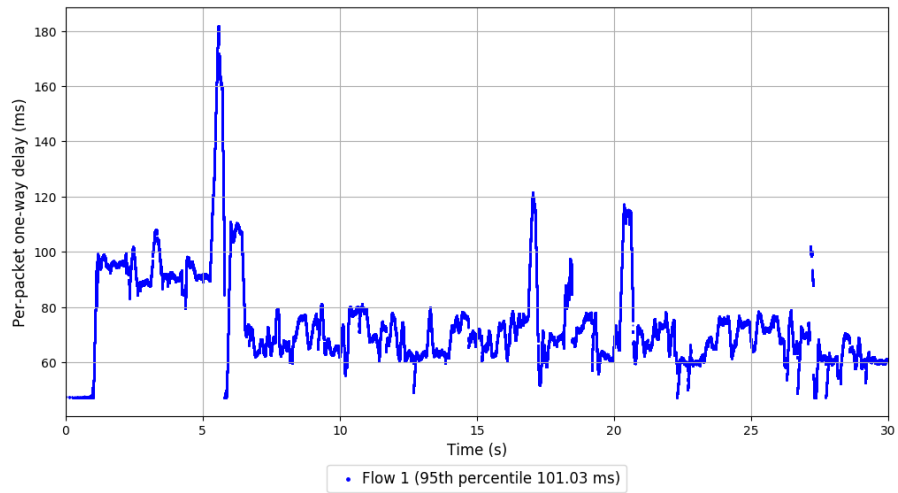
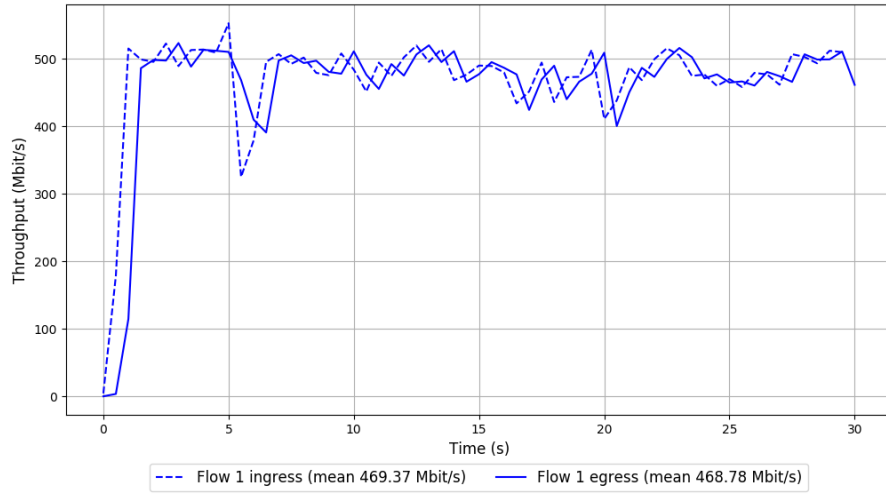


Run 4: Statistics of TCP Vegas

Start at: 2019-04-24 16:20:50
End at: 2019-04-24 16:21:20
Local clock offset: 0.034 ms
Remote clock offset: -0.042 ms

Below is generated by plot.py at 2019-04-24 18:48:21
Datalink statistics
-- Total of 1 flow:
Average throughput: 468.78 Mbit/s
95th percentile per-packet one-way delay: 101.031 ms
Loss rate: 0.44%
-- Flow 1:
Average throughput: 468.78 Mbit/s
95th percentile per-packet one-way delay: 101.031 ms
Loss rate: 0.44%

Run 4: Report of TCP Vegas — Data Link



Run 5: Statistics of TCP Vegas

Start at: 2019-04-24 16:50:39
End at: 2019-04-24 16:51:09
Local clock offset: -0.02 ms
Remote clock offset: -0.111 ms

Below is generated by plot.py at 2019-04-24 18:48:48

Datalink statistics

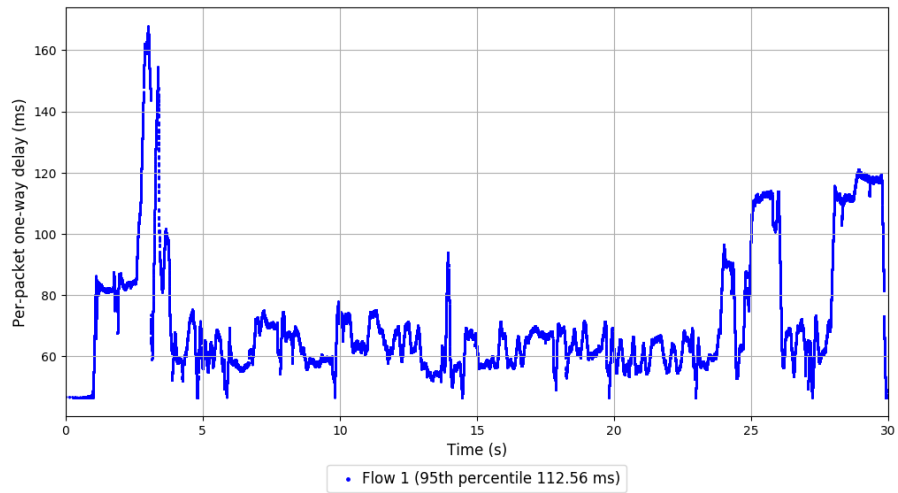
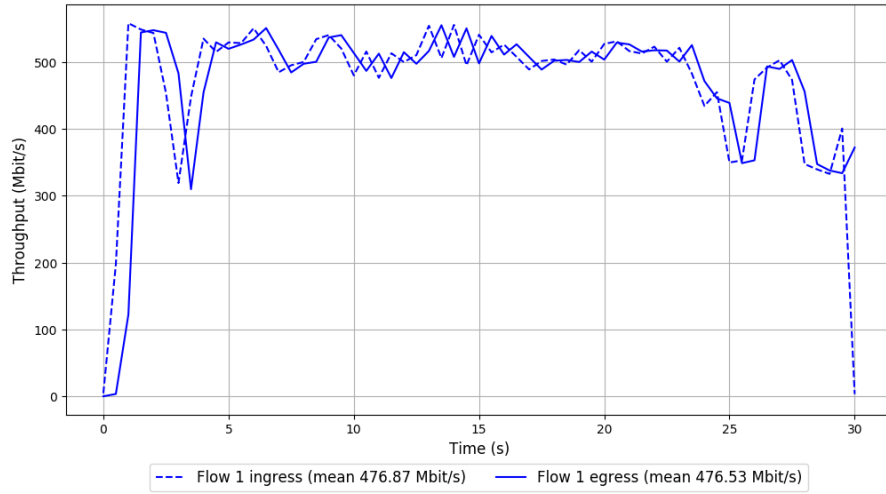
-- Total of 1 flow:

Average throughput: 476.53 Mbit/s
95th percentile per-packet one-way delay: 112.562 ms
Loss rate: 0.39%

-- Flow 1:

Average throughput: 476.53 Mbit/s
95th percentile per-packet one-way delay: 112.562 ms
Loss rate: 0.39%

Run 5: Report of TCP Vegas — Data Link

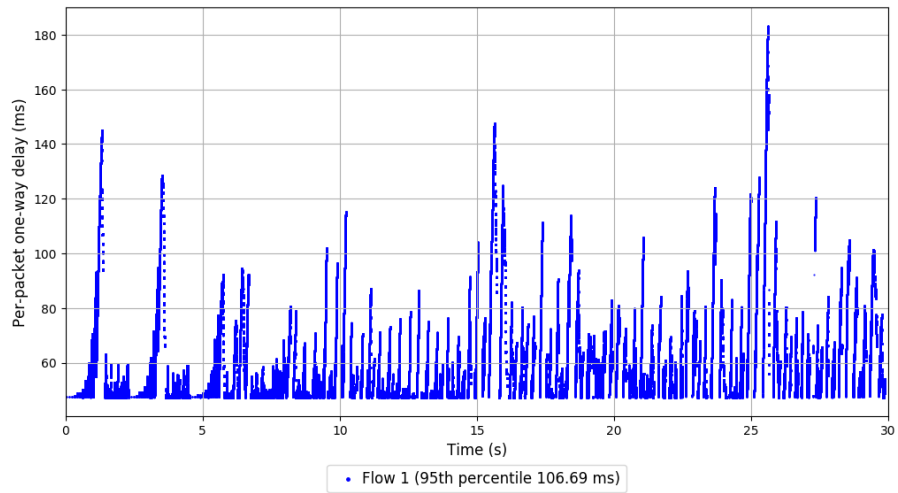
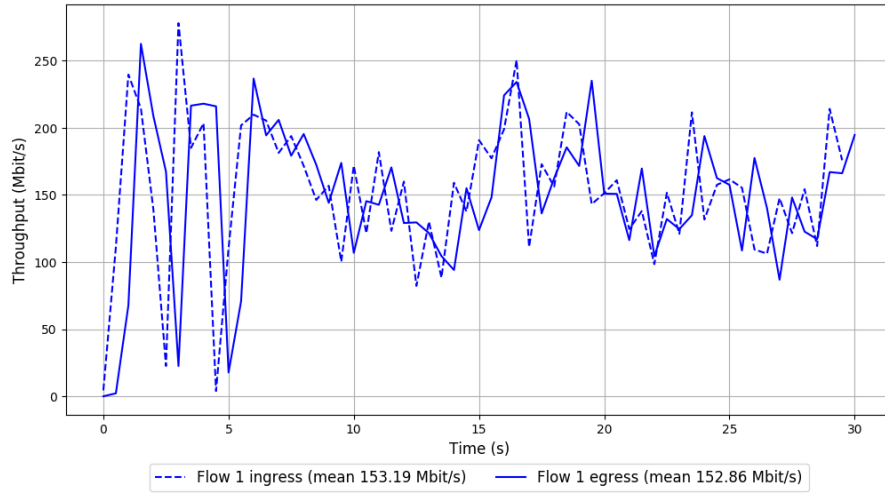


Run 1: Statistics of Verus

Start at: 2019-04-24 14:54:25
End at: 2019-04-24 14:54:55
Local clock offset: -0.022 ms
Remote clock offset: -0.047 ms

Below is generated by plot.py at 2019-04-24 18:48:48
Datalink statistics
-- Total of 1 flow:
Average throughput: 152.86 Mbit/s
95th percentile per-packet one-way delay: 106.693 ms
Loss rate: 0.32%
-- Flow 1:
Average throughput: 152.86 Mbit/s
95th percentile per-packet one-way delay: 106.693 ms
Loss rate: 0.32%

Run 1: Report of Verus — Data Link

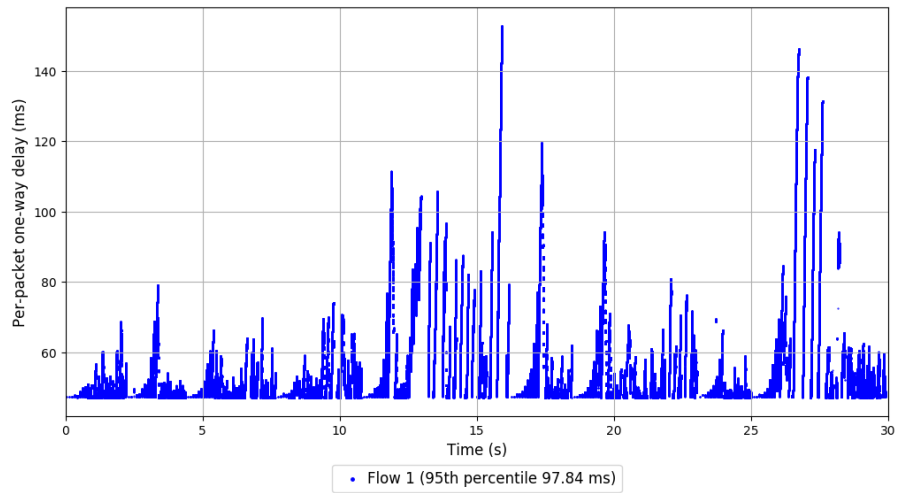
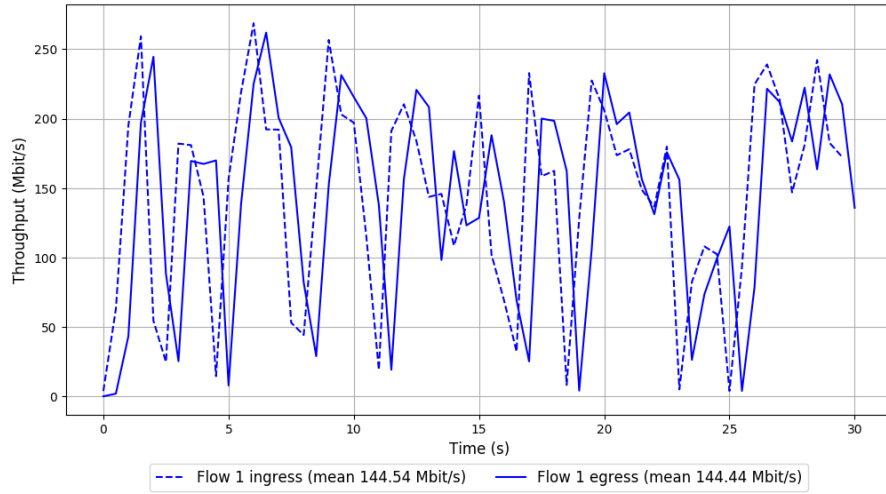


Run 2: Statistics of Verus

Start at: 2019-04-24 15:24:10
End at: 2019-04-24 15:24:40
Local clock offset: 0.011 ms
Remote clock offset: -0.095 ms

Below is generated by plot.py at 2019-04-24 18:48:48
Datalink statistics
-- Total of 1 flow:
Average throughput: 144.44 Mbit/s
95th percentile per-packet one-way delay: 97.838 ms
Loss rate: 0.42%
-- Flow 1:
Average throughput: 144.44 Mbit/s
95th percentile per-packet one-way delay: 97.838 ms
Loss rate: 0.42%

Run 2: Report of Verus — Data Link

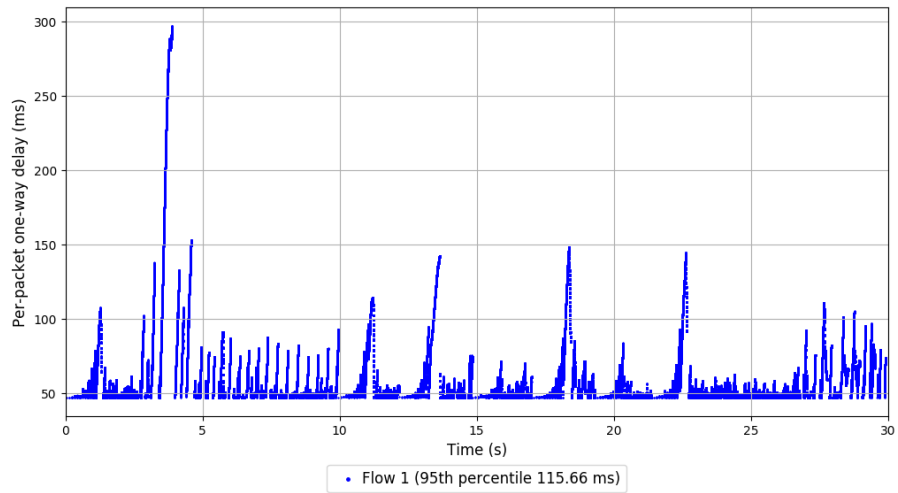
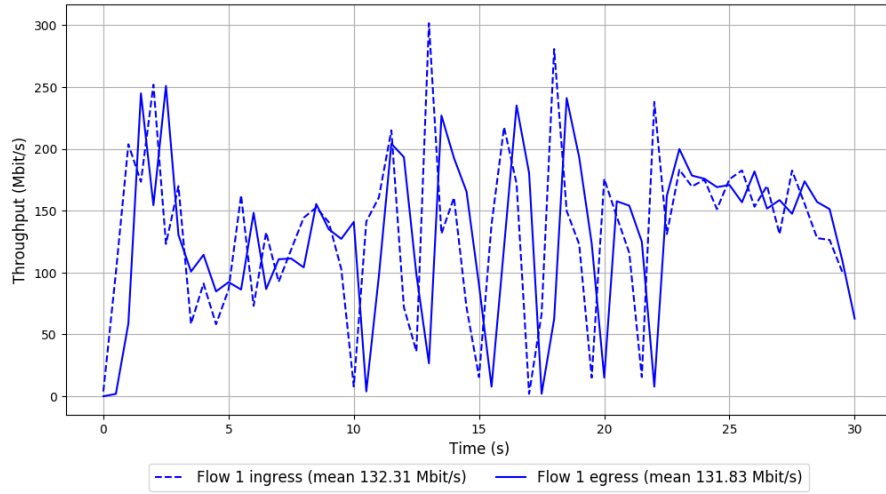


Run 3: Statistics of Verus

Start at: 2019-04-24 15:53:55
End at: 2019-04-24 15:54:25
Local clock offset: 0.212 ms
Remote clock offset: -0.054 ms

Below is generated by plot.py at 2019-04-24 18:48:48
Datalink statistics
-- Total of 1 flow:
Average throughput: 131.83 Mbit/s
95th percentile per-packet one-way delay: 115.663 ms
Loss rate: 0.68%
-- Flow 1:
Average throughput: 131.83 Mbit/s
95th percentile per-packet one-way delay: 115.663 ms
Loss rate: 0.68%

Run 3: Report of Verus — Data Link



Run 4: Statistics of Verus

Start at: 2019-04-24 16:23:48

End at: 2019-04-24 16:24:18

Local clock offset: 0.014 ms

Remote clock offset: -0.05 ms

Below is generated by plot.py at 2019-04-24 18:48:48

Datalink statistics

-- Total of 1 flow:

Average throughput: 173.53 Mbit/s

95th percentile per-packet one-way delay: 186.917 ms

Loss rate: 0.42%

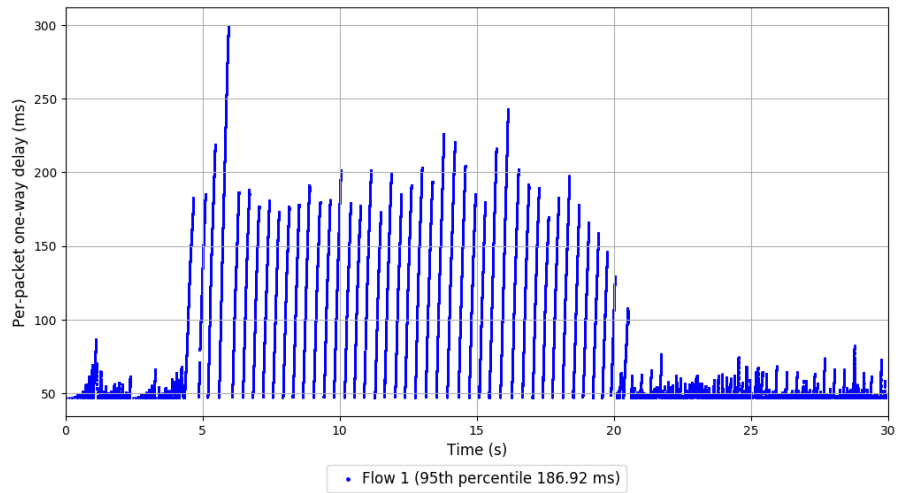
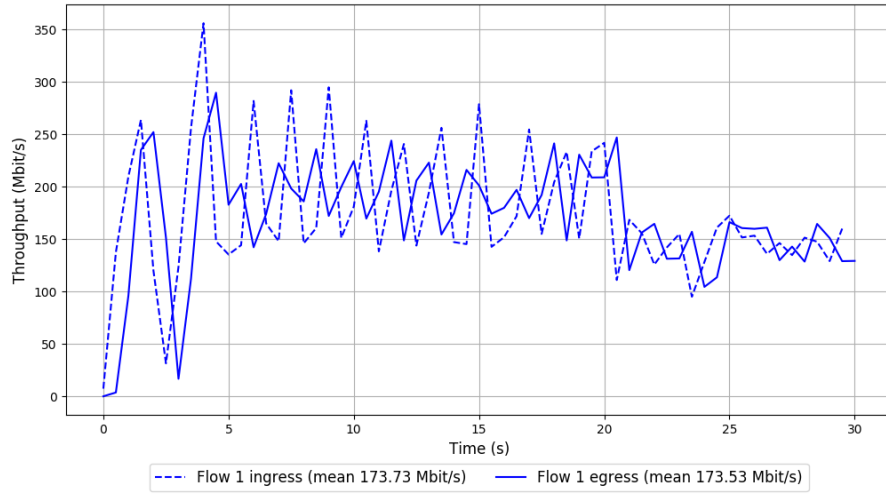
-- Flow 1:

Average throughput: 173.53 Mbit/s

95th percentile per-packet one-way delay: 186.917 ms

Loss rate: 0.42%

Run 4: Report of Verus — Data Link

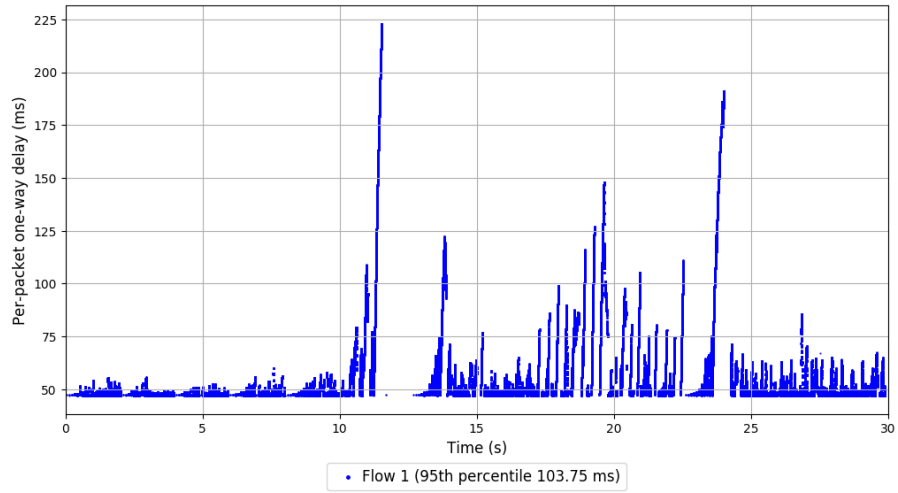
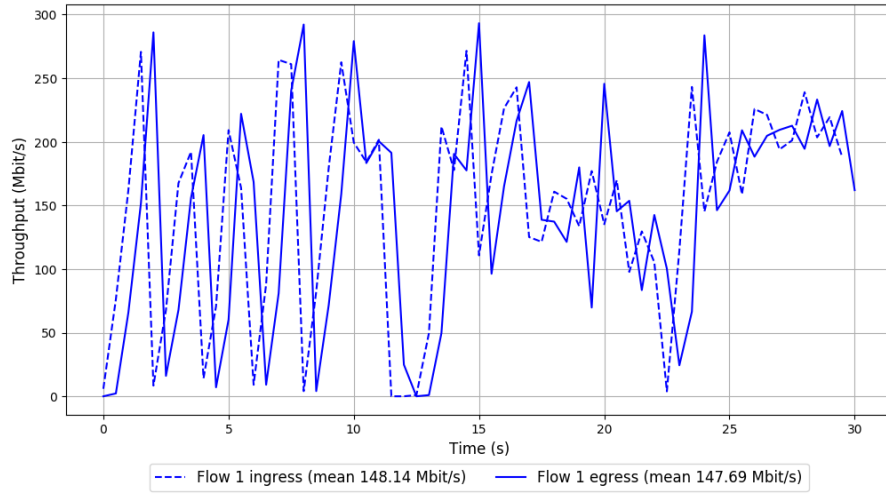


Run 5: Statistics of Verus

Start at: 2019-04-24 16:53:39
End at: 2019-04-24 16:54:09
Local clock offset: -0.012 ms
Remote clock offset: -0.083 ms

Below is generated by plot.py at 2019-04-24 18:50:27
Datalink statistics
-- Total of 1 flow:
Average throughput: 147.69 Mbit/s
95th percentile per-packet one-way delay: 103.748 ms
Loss rate: 0.62%
-- Flow 1:
Average throughput: 147.69 Mbit/s
95th percentile per-packet one-way delay: 103.748 ms
Loss rate: 0.62%

Run 5: Report of Verus — Data Link



Run 1: Statistics of PCC-Vivace

Start at: 2019-04-24 14:40:14

End at: 2019-04-24 14:40:44

Local clock offset: 0.0 ms

Remote clock offset: -0.03 ms

Below is generated by plot.py at 2019-04-24 18:50:34

Datalink statistics

-- Total of 1 flow:

Average throughput: 276.17 Mbit/s

95th percentile per-packet one-way delay: 134.422 ms

Loss rate: 0.37%

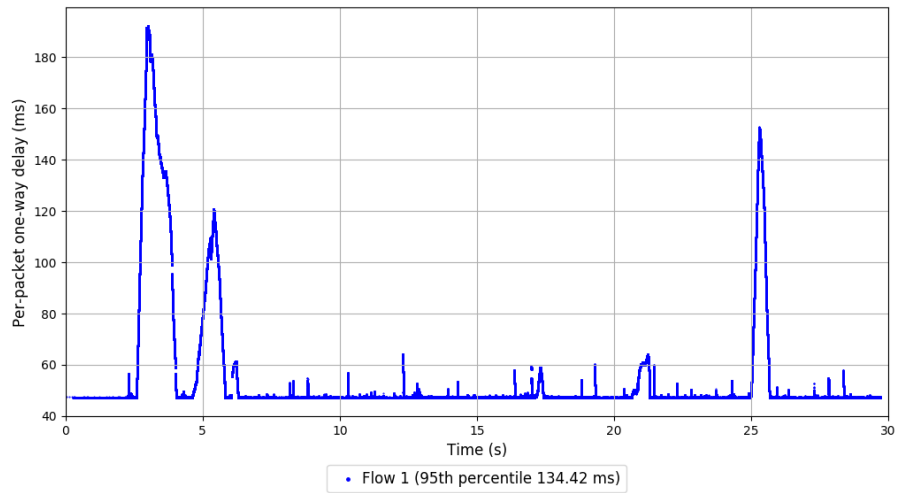
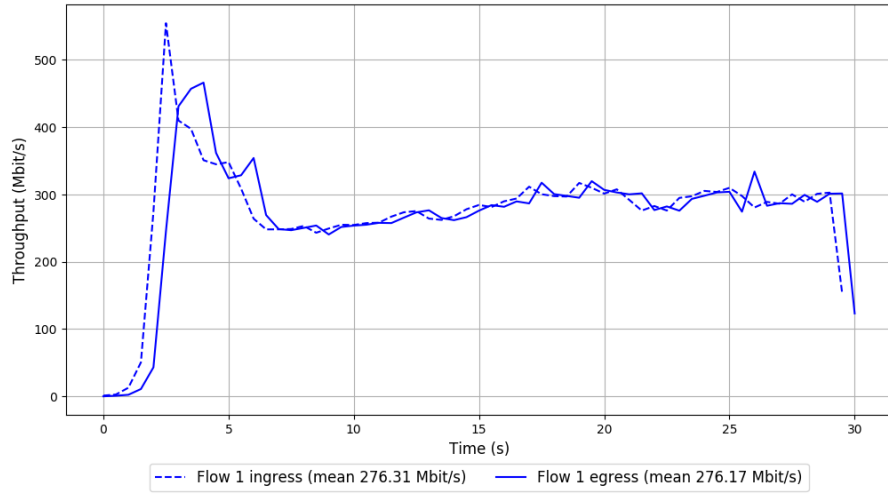
-- Flow 1:

Average throughput: 276.17 Mbit/s

95th percentile per-packet one-way delay: 134.422 ms

Loss rate: 0.37%

Run 1: Report of PCC-Vivace — Data Link



Run 2: Statistics of PCC-Vivace

Start at: 2019-04-24 15:10:00

End at: 2019-04-24 15:10:30

Local clock offset: 0.032 ms

Remote clock offset: -0.09 ms

Below is generated by plot.py at 2019-04-24 18:50:39

Datalink statistics

-- Total of 1 flow:

Average throughput: 281.05 Mbit/s

95th percentile per-packet one-way delay: 104.568 ms

Loss rate: 0.38%

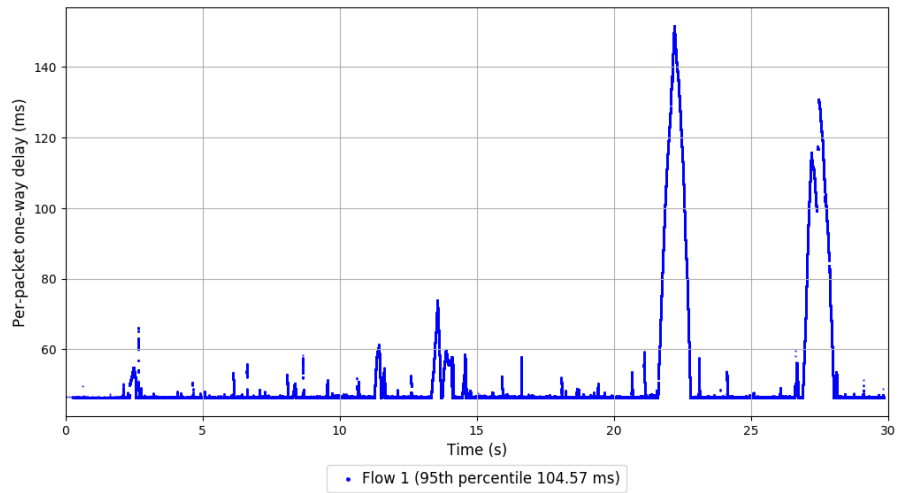
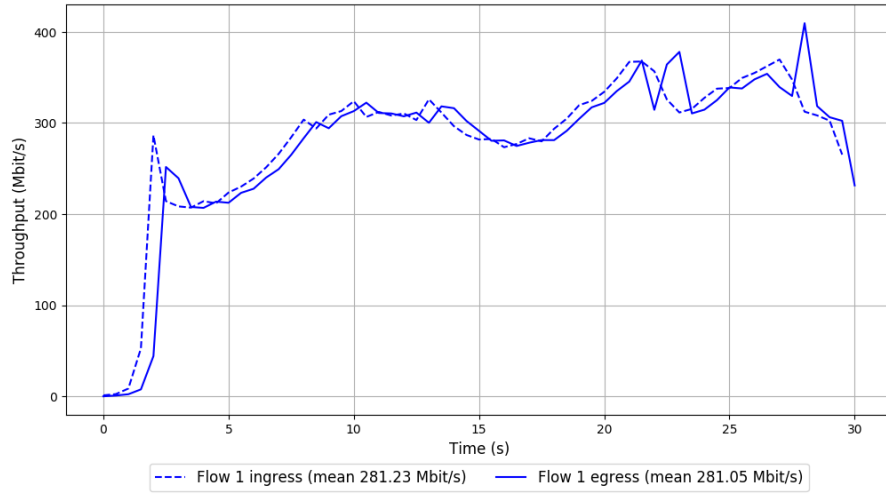
-- Flow 1:

Average throughput: 281.05 Mbit/s

95th percentile per-packet one-way delay: 104.568 ms

Loss rate: 0.38%

Run 2: Report of PCC-Vivace — Data Link



Run 3: Statistics of PCC-Vivace

Start at: 2019-04-24 15:39:46

End at: 2019-04-24 15:40:16

Local clock offset: 0.168 ms

Remote clock offset: -0.087 ms

Below is generated by plot.py at 2019-04-24 18:50:39

Datalink statistics

-- Total of 1 flow:

Average throughput: 254.63 Mbit/s

95th percentile per-packet one-way delay: 71.678 ms

Loss rate: 0.37%

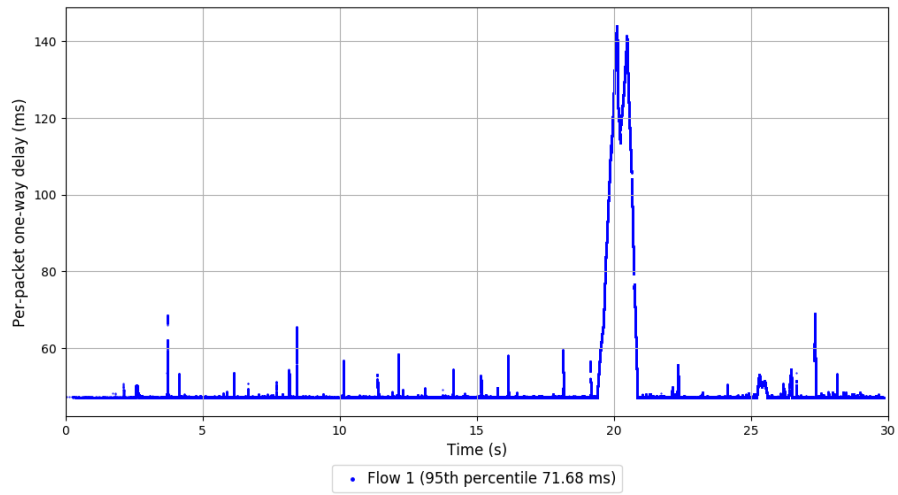
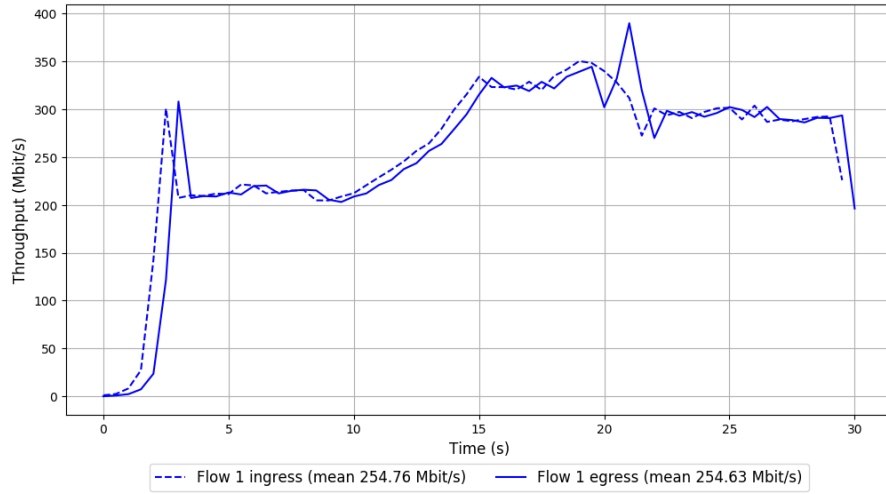
-- Flow 1:

Average throughput: 254.63 Mbit/s

95th percentile per-packet one-way delay: 71.678 ms

Loss rate: 0.37%

Run 3: Report of PCC-Vivace — Data Link



Run 4: Statistics of PCC-Vivace

Start at: 2019-04-24 16:09:35

End at: 2019-04-24 16:10:05

Local clock offset: 0.467 ms

Remote clock offset: -0.056 ms

Below is generated by plot.py at 2019-04-24 18:51:08

Datalink statistics

-- Total of 1 flow:

Average throughput: 267.73 Mbit/s

95th percentile per-packet one-way delay: 72.827 ms

Loss rate: 0.39%

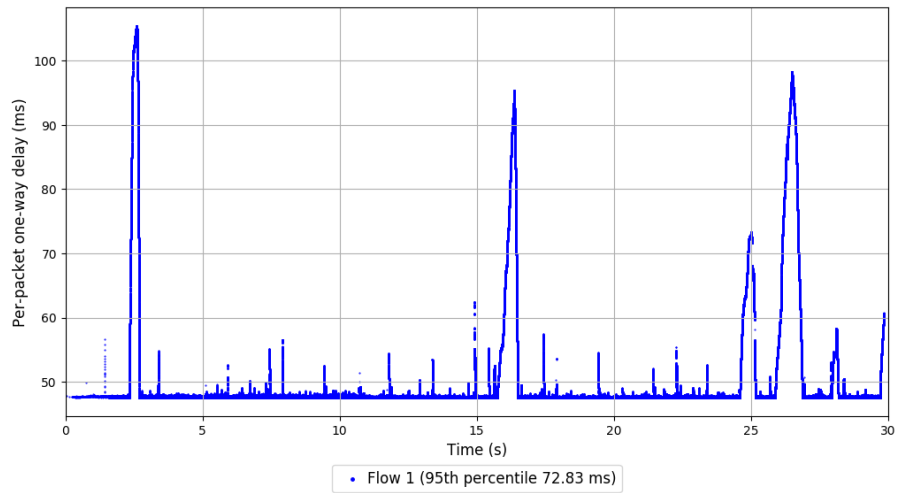
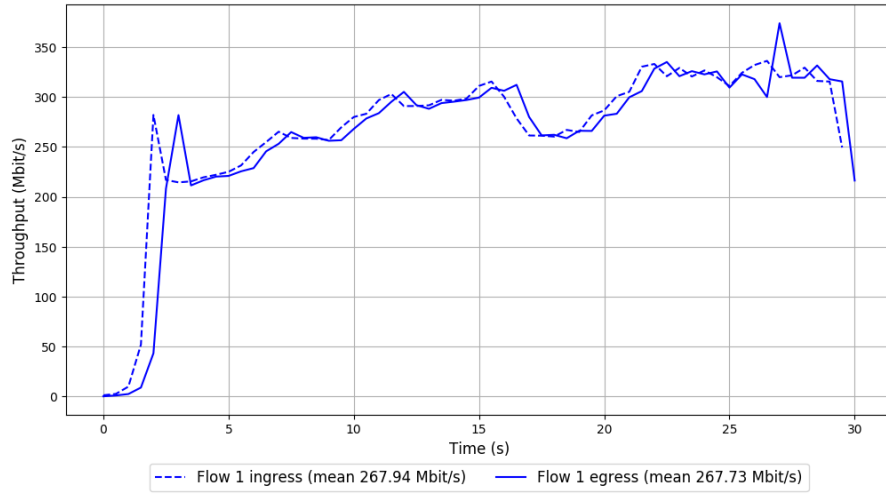
-- Flow 1:

Average throughput: 267.73 Mbit/s

95th percentile per-packet one-way delay: 72.827 ms

Loss rate: 0.39%

Run 4: Report of PCC-Vivace — Data Link



Run 5: Statistics of PCC-Vivace

Start at: 2019-04-24 16:39:24

End at: 2019-04-24 16:39:55

Local clock offset: -0.033 ms

Remote clock offset: -0.101 ms

Below is generated by plot.py at 2019-04-24 18:51:10

Datalink statistics

-- Total of 1 flow:

Average throughput: 292.81 Mbit/s

95th percentile per-packet one-way delay: 180.411 ms

Loss rate: 0.88%

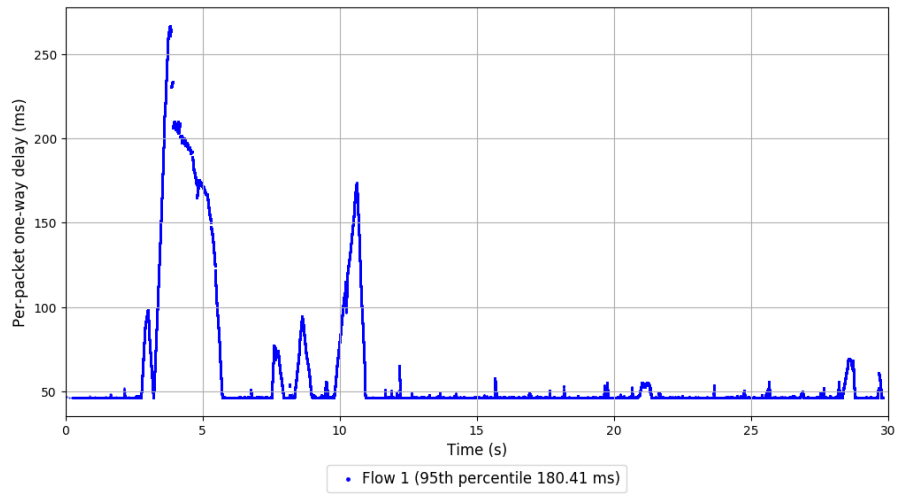
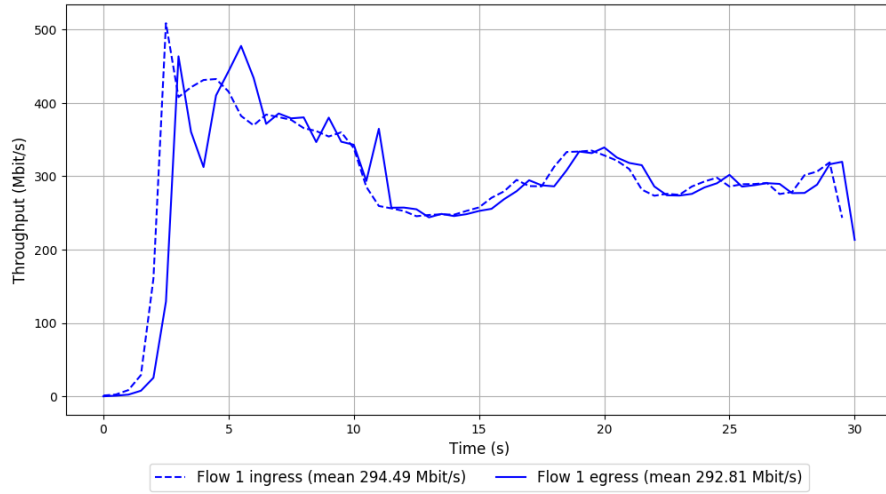
-- Flow 1:

Average throughput: 292.81 Mbit/s

95th percentile per-packet one-way delay: 180.411 ms

Loss rate: 0.88%

Run 5: Report of PCC-Vivace — Data Link



Run 1: Statistics of WebRTC media

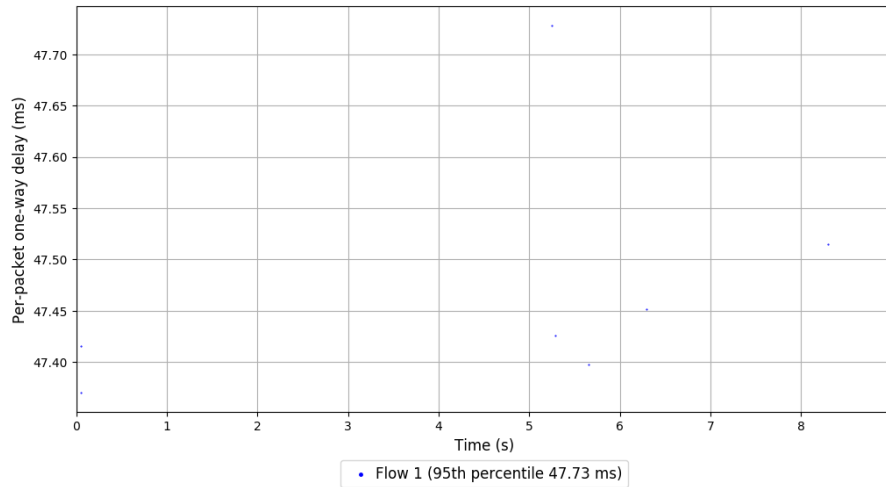
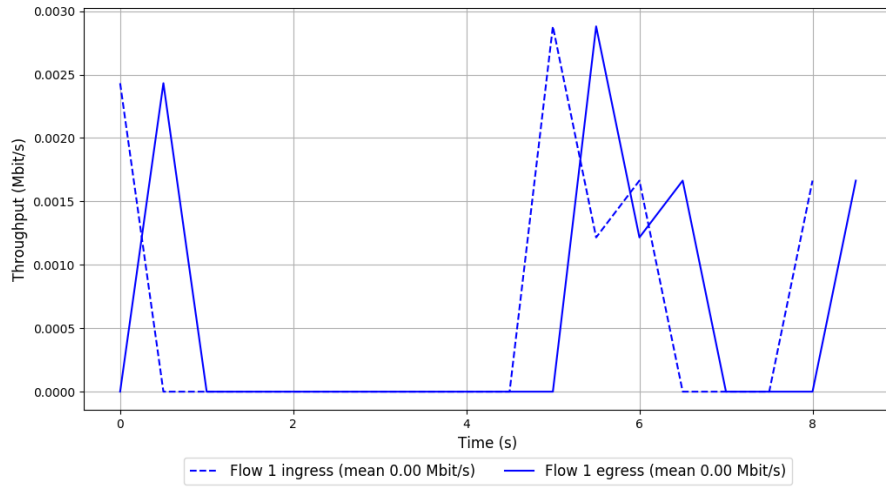
Start at: 2019-04-24 14:48:46

End at: 2019-04-24 14:49:16

Local clock offset: -0.021 ms

Remote clock offset: -0.016 ms

Run 1: Report of WebRTC media — Data Link



Run 2: Statistics of WebRTC media

Start at: 2019-04-24 15:18:37

End at: 2019-04-24 15:19:07

Local clock offset: 0.03 ms

Remote clock offset: -0.09 ms

Below is generated by plot.py at 2019-04-24 18:51:10

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.05 Mbit/s

95th percentile per-packet one-way delay: 47.463 ms

Loss rate: 0.00%

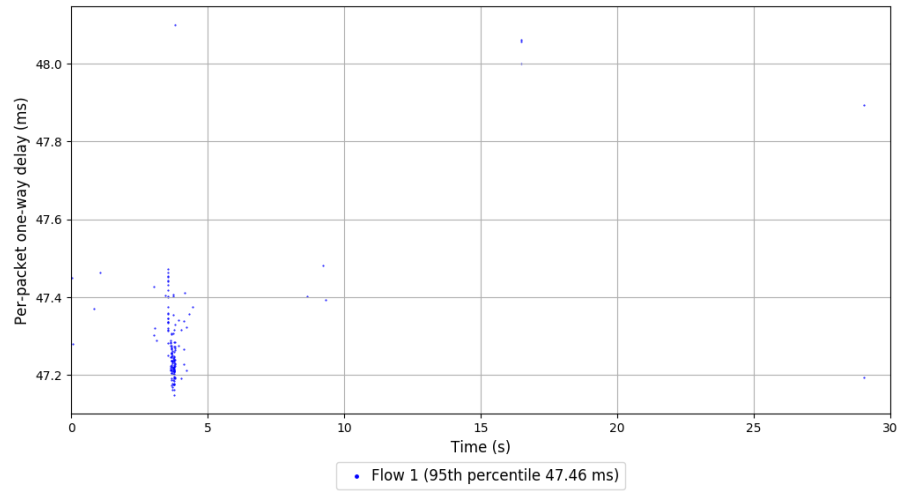
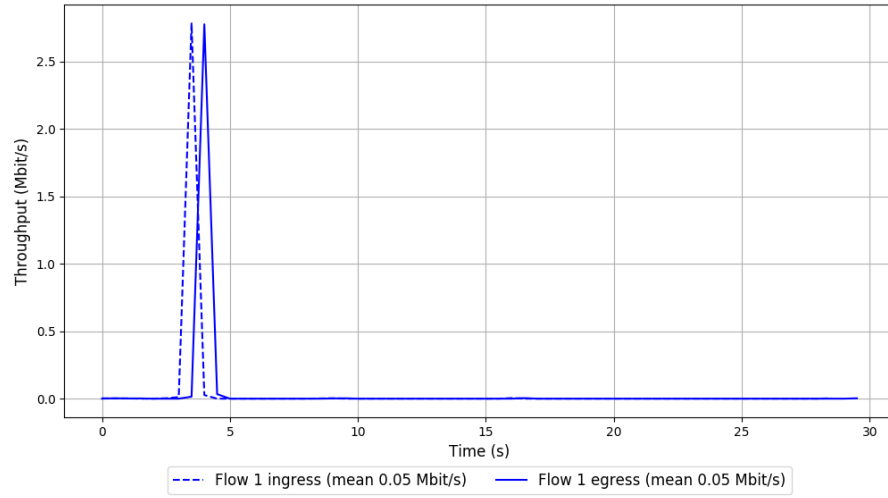
-- Flow 1:

Average throughput: 0.05 Mbit/s

95th percentile per-packet one-way delay: 47.463 ms

Loss rate: 0.00%

Run 2: Report of WebRTC media — Data Link

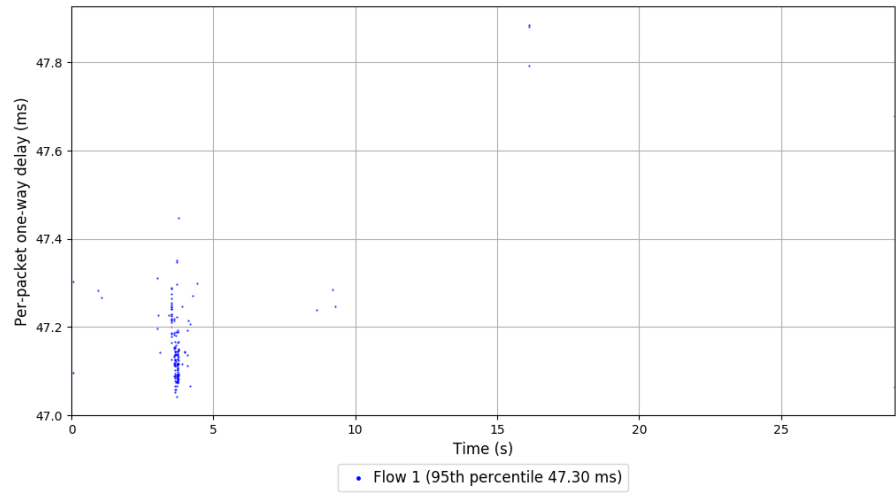
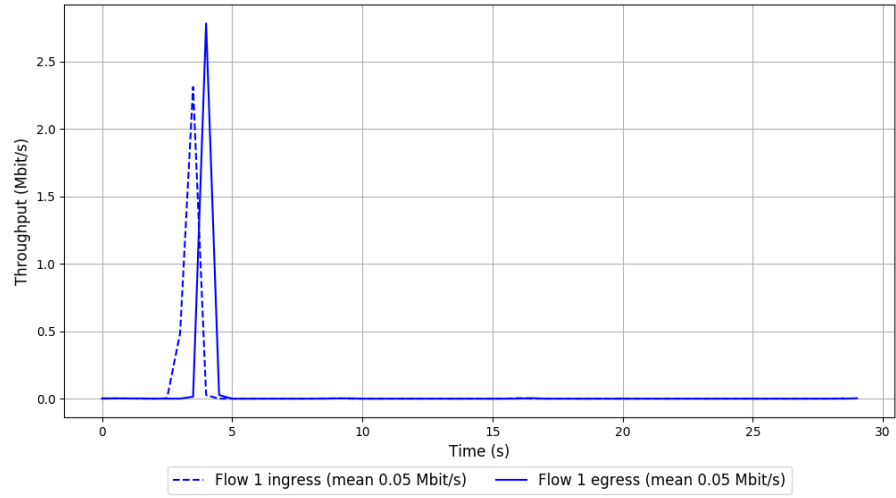


Run 3: Statistics of WebRTC media

Start at: 2019-04-24 15:48:21
End at: 2019-04-24 15:48:51
Local clock offset: 0.177 ms
Remote clock offset: -0.076 ms

Below is generated by plot.py at 2019-04-24 18:51:10
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 47.304 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 47.304 ms
Loss rate: 0.00%

Run 3: Report of WebRTC media — Data Link



Run 4: Statistics of WebRTC media

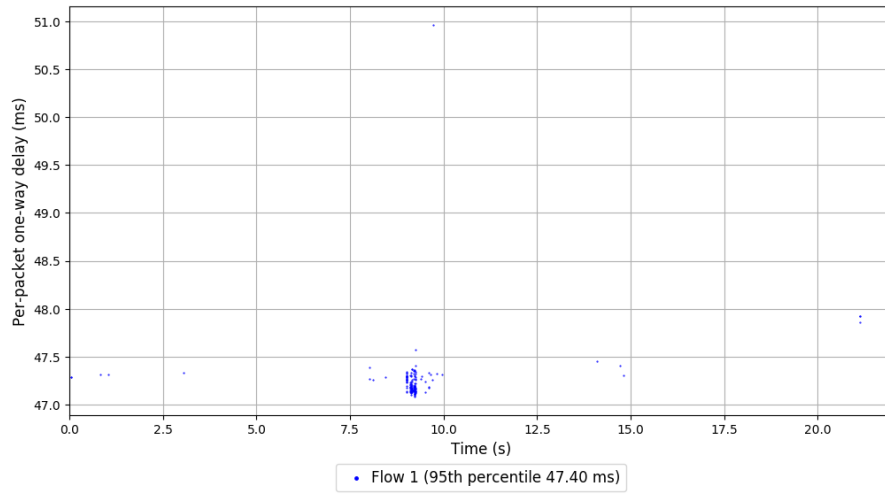
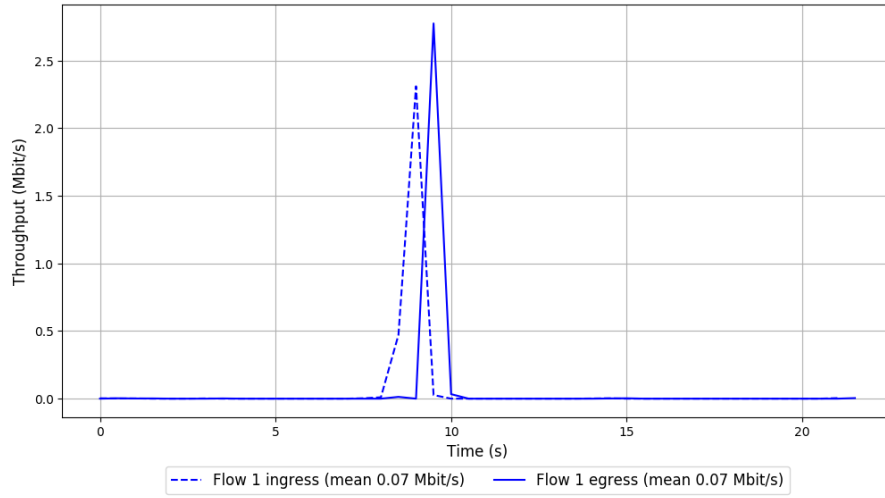
Start at: 2019-04-24 16:18:11

End at: 2019-04-24 16:18:41

Local clock offset: 0.049 ms

Remote clock offset: -0.058 ms

Run 4: Report of WebRTC media — Data Link



Run 5: Statistics of WebRTC media

Start at: 2019-04-24 16:48:00
End at: 2019-04-24 16:48:30
Local clock offset: -0.035 ms
Remote clock offset: -0.075 ms

Below is generated by plot.py at 2019-04-24 18:51:10
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 47.526 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 47.526 ms
Loss rate: 0.00%

Run 5: Report of WebRTC media — Data Link

