

Pantheon Report

Generated at 2019-05-30 18:50:21 (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:

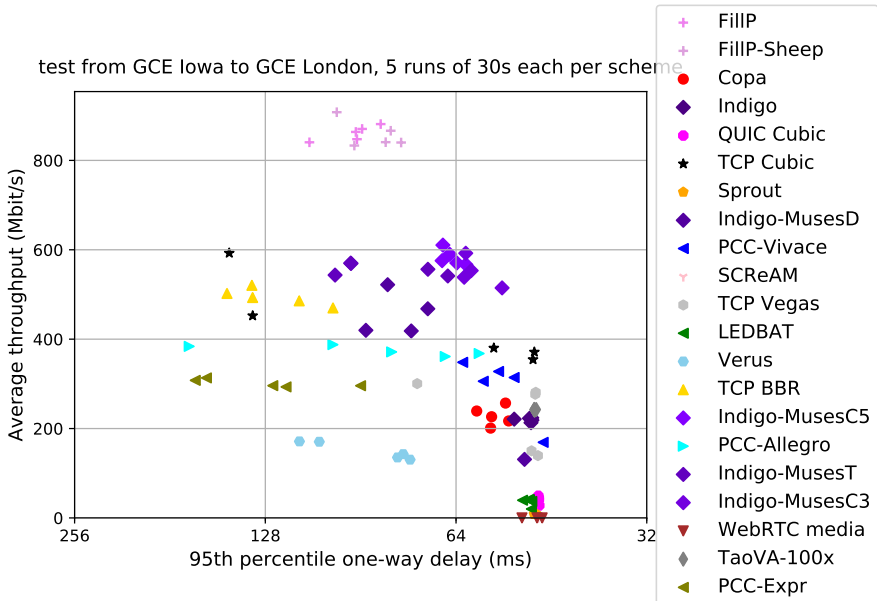
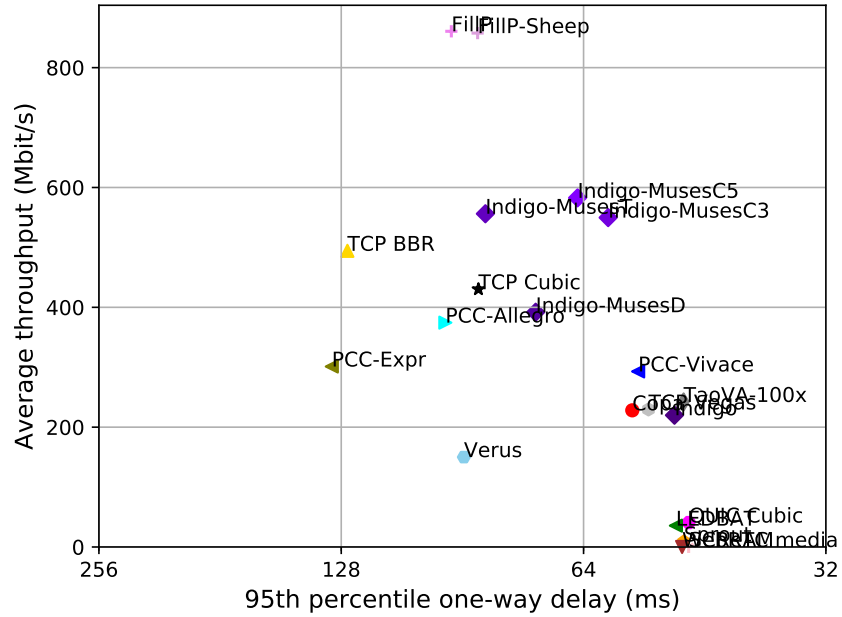
```
Linux 4.15.0-1029-gcp
net.core.default_qdisc = fq
net.core.rmem_default = 16777216
net.core.rmem_max = 536870912
net.core.wmem_default = 16777216
net.core.wmem_max = 536870912
net.ipv4.tcp_rmem = 4096 16777216 536870912
net.ipv4.tcp_wmem = 4096 16777216 536870912
```

Git summary:

```
branch: muses @ 7a686f7c2ed0a333082c0bab1fa5c921ab47e6ee
third_party/fillp @ d6da1459332fcee56963885d7eba17e6a32d4519
third_party/fillp-sheep @ 0e5bb722943babcd2b090d2c64fcd45e12e923f9
third_party/genericCC @ d0153f8e594aa89e93b032143cedbdf58e562f4
third_party/indigo @ 2601c92e4aa9d58d38dc4dfe0ecdbf90c077e64d
third_party/libutp @ b3465b942e2826f2b179eaab4a906ce6bb7cf3cf
third_party/muses @ 5ce721187ad823da20955337730c746486ca4966
third_party/pantheon-tunnel @ f866d3f58d27afd942717625ee3a354cc2e802bd
third_party/pcc @ 1afc958fa0d66d18b623c091a55fec872b4981e1
M receiver/src/buffer.h
M receiver/src/core.cpp
M sender/src/buffer.h
M sender/src/core.cpp
third_party/pcc-experimental @ cd43e34e3f5f5613e8acd08fab92c4eb24f974ab
third_party/proto-quick @ 77961f1a82733a86b42f1bc8143ebc978f3cff42
third_party/scream-reproduce @ f099118d1421aa3131bf11ff1964974e1da3bdb2
M src/ScreamClient
M src/ScreamServer
third_party/sprout @ 366e35c6178b01e31d4a46ad18c74f9415f19a26
M src/examples/cellsim.cc
M src/examples/sproutbt2.cc
M src/network/sproutconn.cc
third_party/verus @ d4b447ea74c6c60a261149af2629562939f9a494
M src/verus.hpp
M tools/plot.py
third_party/vivace @ 2baf86211435ae071a32f96b7d8c504587f5d7f4
```

third_party/webrtc @ 3f0cc2a9061a41b6f9dde4735770d143a1fa2851

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



scheme	# runs	mean avg tput (Mbit/s)	mean 95th-%ile delay (ms)	mean loss rate (%)
		flow 1	flow 1	flow 1
TCP BBR	5	494.33	125.77	0.65
Copa	5	228.10	55.68	0.37
TCP Cubic	5	430.18	86.45	0.38
FillP	5	860.67	93.42	0.67
FillP-Sheep	5	857.65	86.65	0.49
Indigo	5	219.91	49.35	0.39
Indigo-MusesC3	4	549.74	59.66	0.52
Indigo-MusesC5	5	582.73	65.10	0.48
Indigo-MusesD	5	391.81	73.40	0.42
Indigo-MusesT	5	556.15	84.75	0.38
LEDBAT	5	35.63	49.15	0.59
PCC-Allegro	5	374.43	95.03	1.19
PCC-Expr	5	301.21	131.52	1.93
QUIC Cubic	4	40.79	47.37	0.62
SReAM	5	0.22	47.39	0.31
Sprout	5	9.31	48.03	0.30
TaoVA-100x	5	242.08	48.08	0.41
TCP Vegas	5	229.58	53.15	0.29
Verus	5	150.03	90.12	0.45
PCC-Vivace	5	292.99	54.75	0.56
WebRTC media	3	0.05	48.28	0.00

Run 1: Statistics of TCP BBR

Start at: 2019-05-30 14:29:52

End at: 2019-05-30 14:30:22

Local clock offset: -0.086 ms

Remote clock offset: -0.152 ms

Below is generated by plot.py at 2019-05-30 17:19:18

Datalink statistics

-- Total of 1 flow:

Average throughput: 520.52 Mbit/s

95th percentile per-packet one-way delay: 134.407 ms

Loss rate: 0.68%

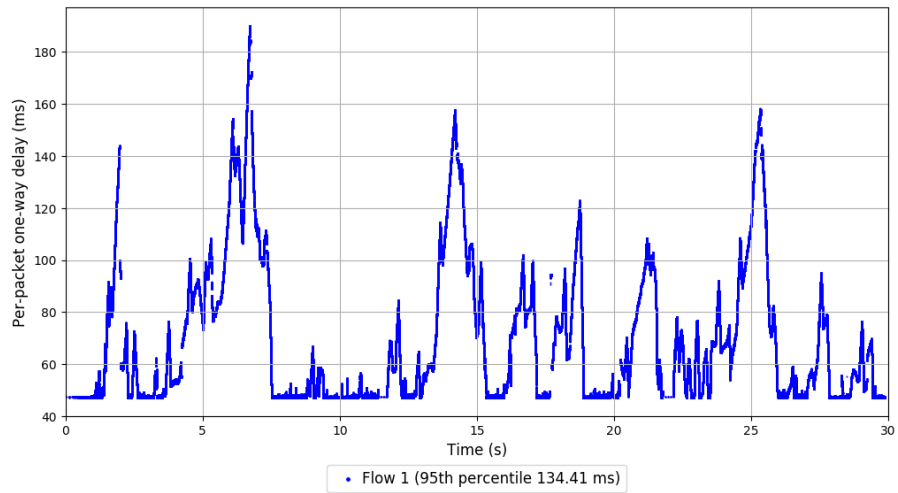
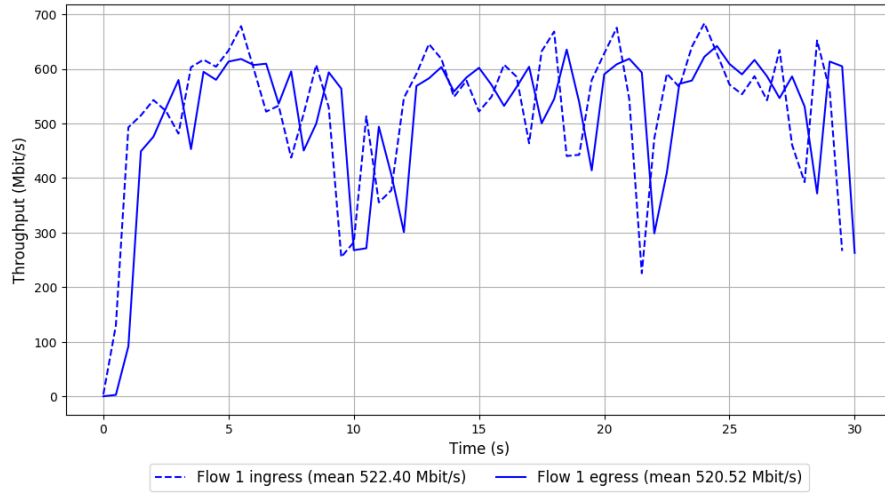
-- Flow 1:

Average throughput: 520.52 Mbit/s

95th percentile per-packet one-way delay: 134.407 ms

Loss rate: 0.68%

Run 1: Report of TCP BBR — Data Link



Run 2: Statistics of TCP BBR

Start at: 2019-05-30 14:59:31

End at: 2019-05-30 15:00:01

Local clock offset: -0.191 ms

Remote clock offset: 0.022 ms

Below is generated by plot.py at 2019-05-30 17:19:18

Datalink statistics

-- Total of 1 flow:

Average throughput: 502.30 Mbit/s

95th percentile per-packet one-way delay: 147.121 ms

Loss rate: 0.79%

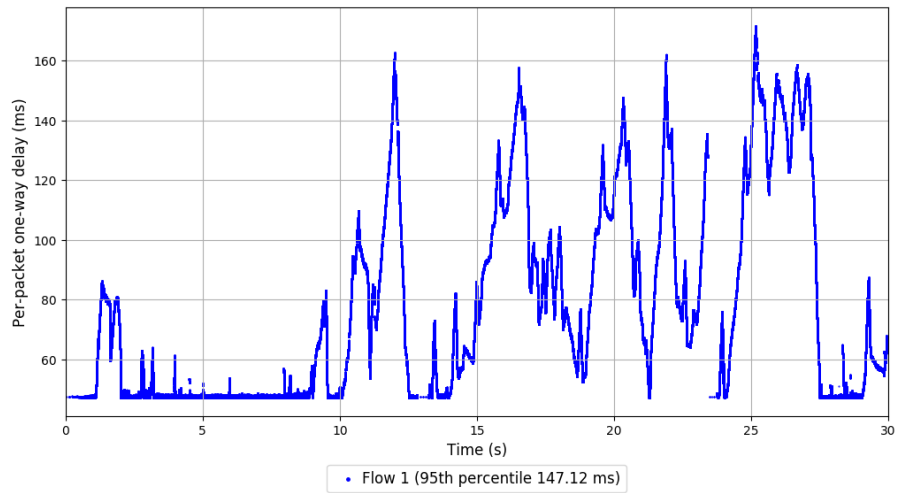
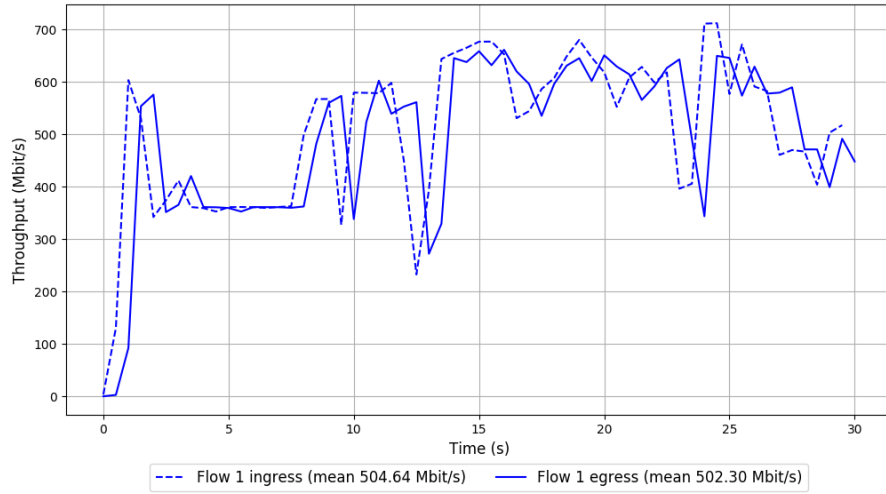
-- Flow 1:

Average throughput: 502.30 Mbit/s

95th percentile per-packet one-way delay: 147.121 ms

Loss rate: 0.79%

Run 2: Report of TCP BBR — Data Link



Run 3: Statistics of TCP BBR

Start at: 2019-05-30 15:29:52

End at: 2019-05-30 15:30:22

Local clock offset: -0.047 ms

Remote clock offset: -0.017 ms

Below is generated by plot.py at 2019-05-30 17:19:18

Datalink statistics

-- Total of 1 flow:

Average throughput: 485.76 Mbit/s

95th percentile per-packet one-way delay: 113.156 ms

Loss rate: 0.50%

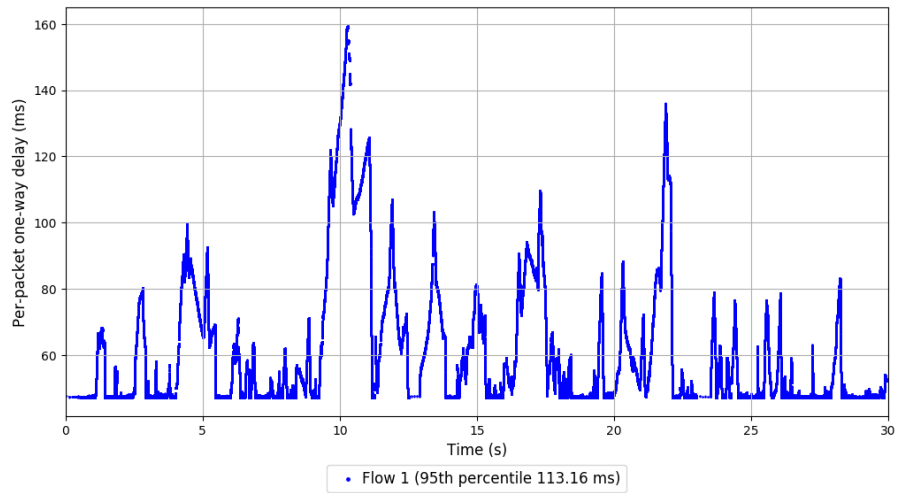
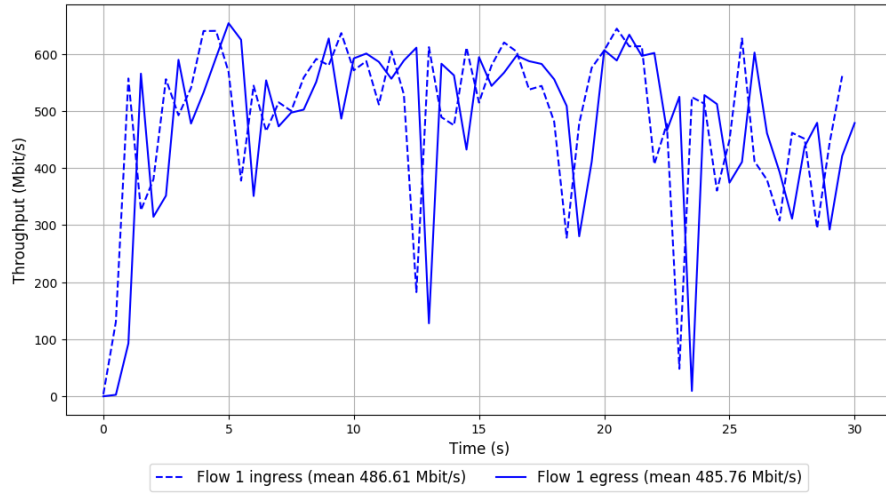
-- Flow 1:

Average throughput: 485.76 Mbit/s

95th percentile per-packet one-way delay: 113.156 ms

Loss rate: 0.50%

Run 3: Report of TCP BBR — Data Link

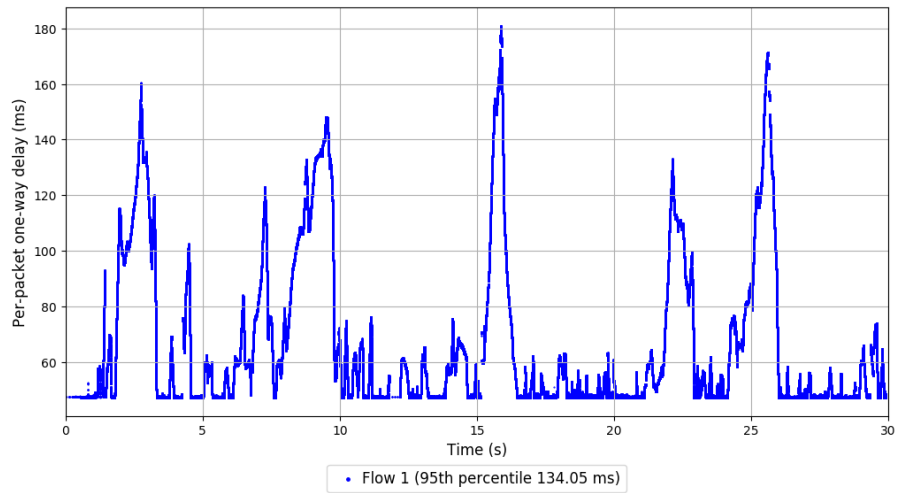
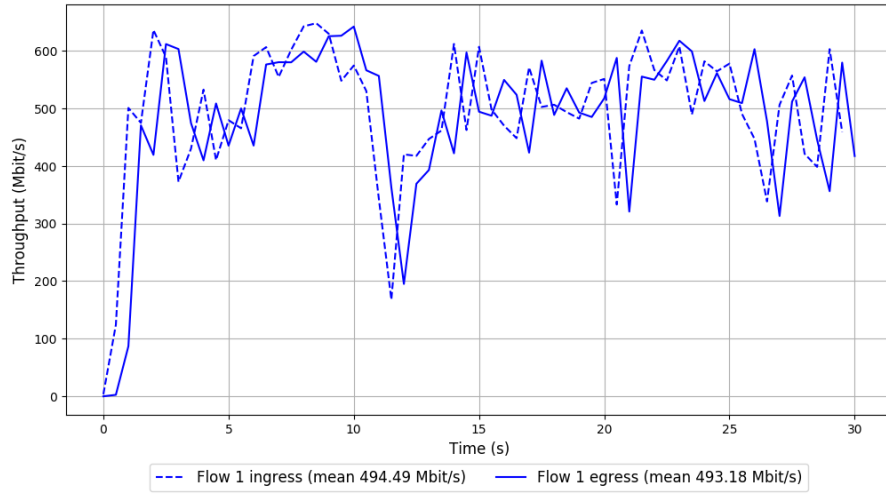


Run 4: Statistics of TCP BBR

Start at: 2019-05-30 15:59:55
End at: 2019-05-30 16:00:25
Local clock offset: -0.041 ms
Remote clock offset: -0.114 ms

Below is generated by plot.py at 2019-05-30 17:19:18
Datalink statistics
-- Total of 1 flow:
Average throughput: 493.18 Mbit/s
95th percentile per-packet one-way delay: 134.052 ms
Loss rate: 0.59%
-- Flow 1:
Average throughput: 493.18 Mbit/s
95th percentile per-packet one-way delay: 134.052 ms
Loss rate: 0.59%

Run 4: Report of TCP BBR — Data Link

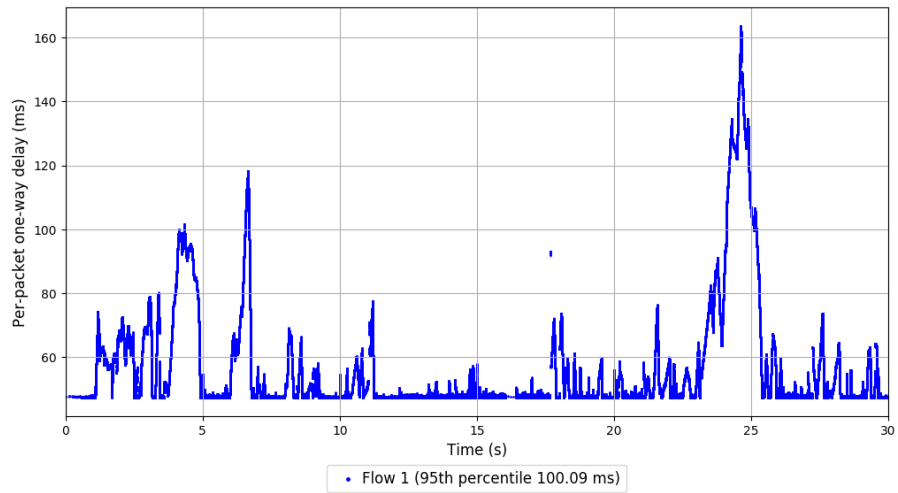
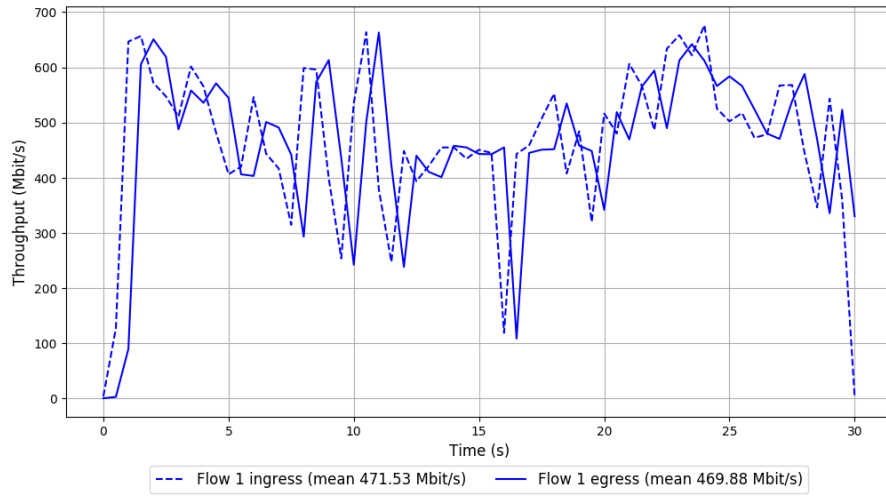


Run 5: Statistics of TCP BBR

Start at: 2019-05-30 16:29:37
End at: 2019-05-30 16:30:07
Local clock offset: -0.051 ms
Remote clock offset: -0.029 ms

Below is generated by plot.py at 2019-05-30 17:19:18
Datalink statistics
-- Total of 1 flow:
Average throughput: 469.88 Mbit/s
95th percentile per-packet one-way delay: 100.091 ms
Loss rate: 0.67%
-- Flow 1:
Average throughput: 469.88 Mbit/s
95th percentile per-packet one-way delay: 100.091 ms
Loss rate: 0.67%

Run 5: Report of TCP BBR — Data Link



Run 1: Statistics of Copa

Start at: 2019-05-30 14:53:58
End at: 2019-05-30 14:54:28
Local clock offset: -0.184 ms
Remote clock offset: -0.028 ms

Below is generated by plot.py at 2019-05-30 17:19:18

Datalink statistics

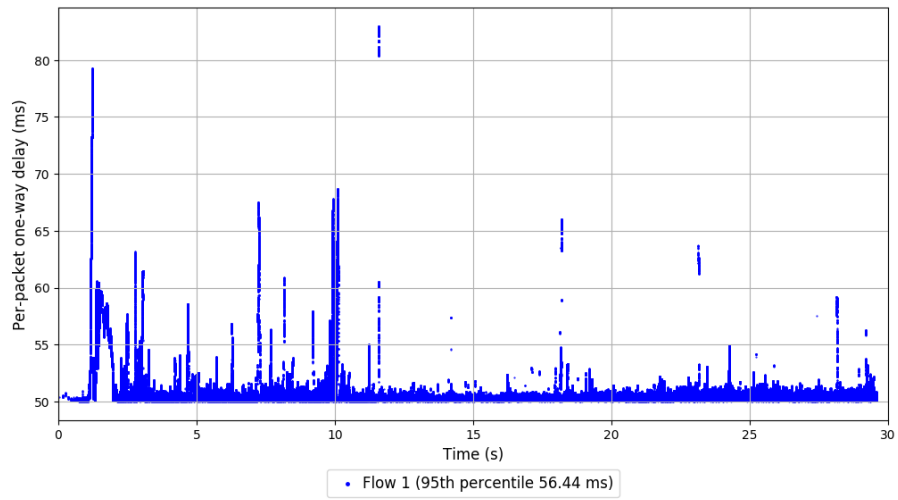
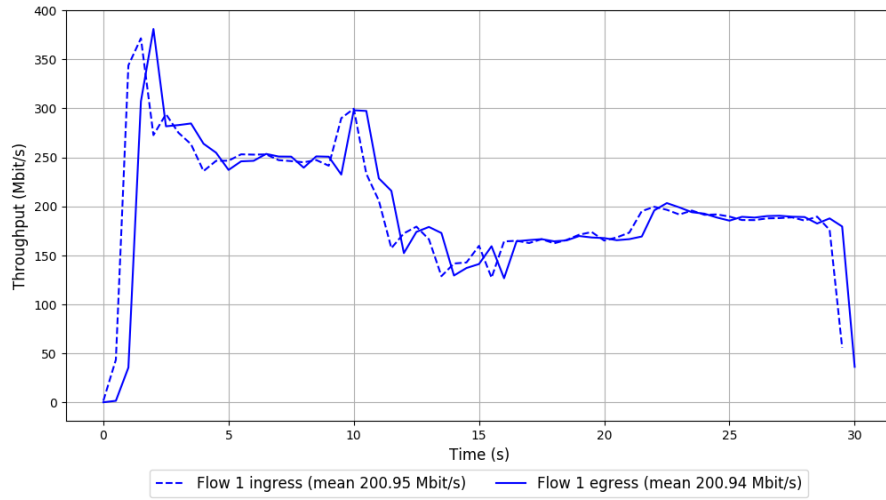
-- Total of 1 flow:

Average throughput: 200.94 Mbit/s
95th percentile per-packet one-way delay: 56.444 ms
Loss rate: 0.33%

-- Flow 1:

Average throughput: 200.94 Mbit/s
95th percentile per-packet one-way delay: 56.444 ms
Loss rate: 0.33%

Run 1: Report of Copa — Data Link



Run 2: Statistics of Copa

Start at: 2019-05-30 15:24:17

End at: 2019-05-30 15:24:47

Local clock offset: -0.1 ms

Remote clock offset: -0.021 ms

Below is generated by plot.py at 2019-05-30 17:19:18

Datalink statistics

-- Total of 1 flow:

Average throughput: 226.42 Mbit/s

95th percentile per-packet one-way delay: 56.239 ms

Loss rate: 0.39%

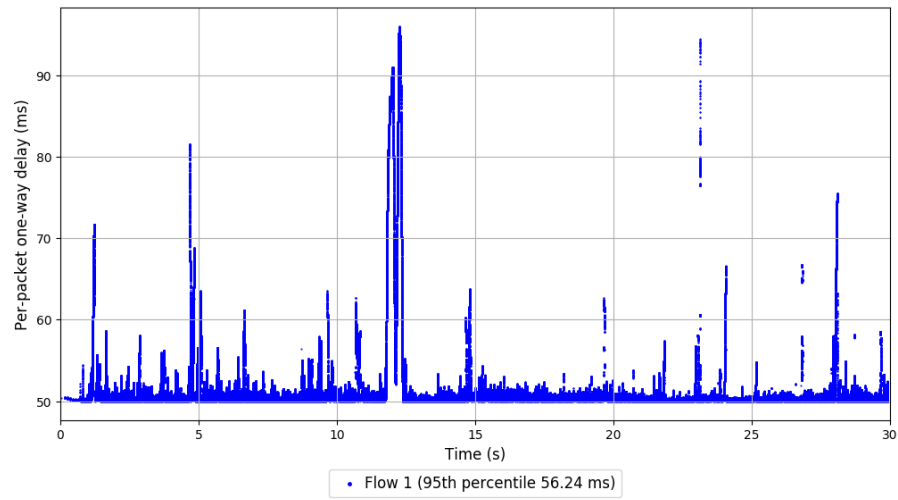
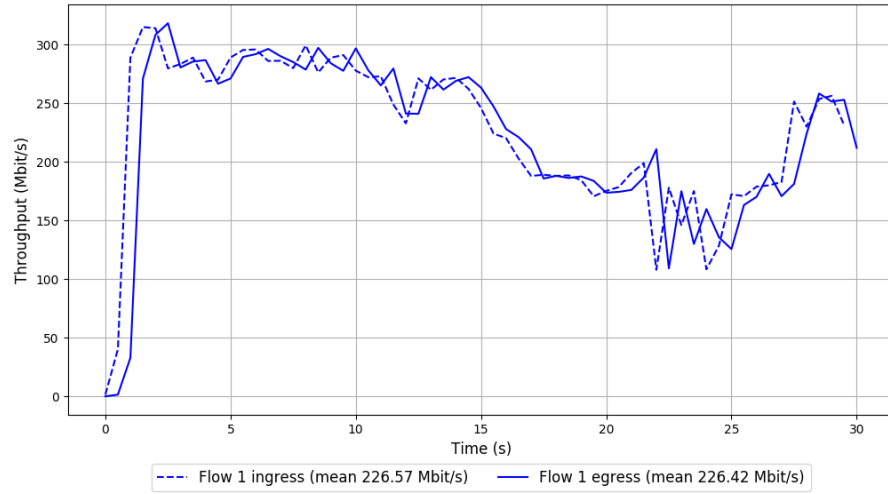
-- Flow 1:

Average throughput: 226.42 Mbit/s

95th percentile per-packet one-way delay: 56.239 ms

Loss rate: 0.39%

Run 2: Report of Copa — Data Link

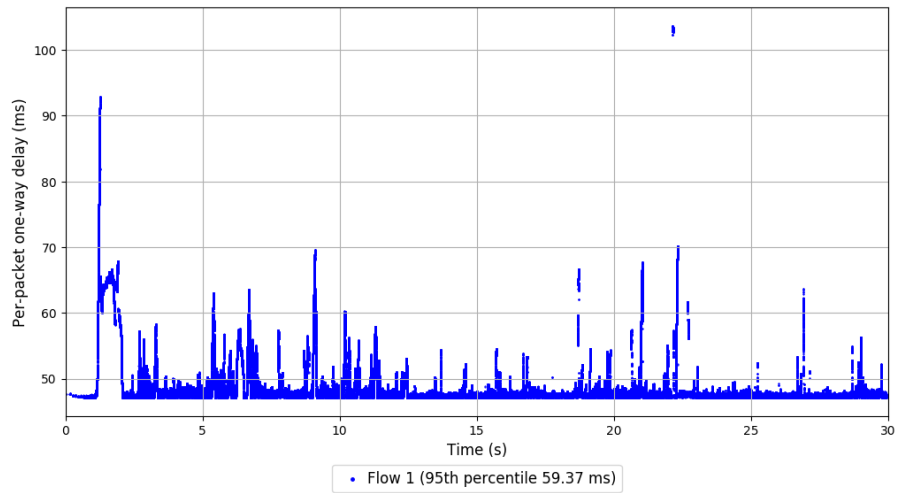
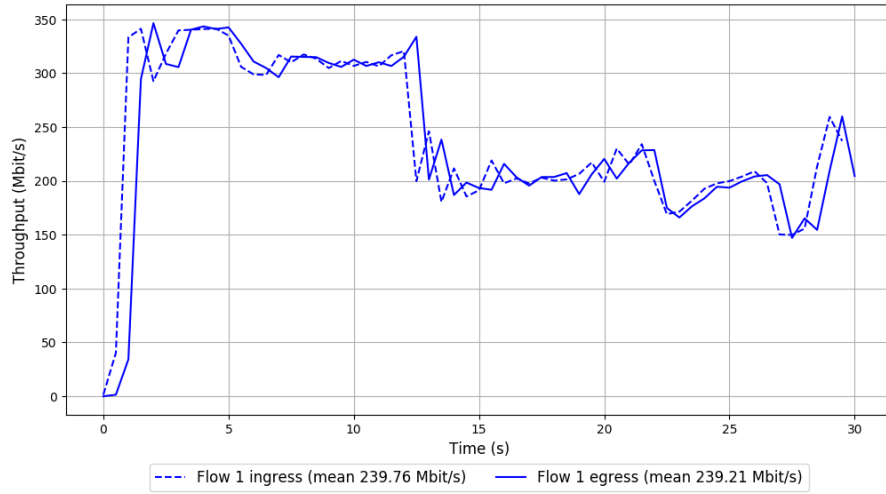


Run 3: Statistics of Copa

Start at: 2019-05-30 15:54:18
End at: 2019-05-30 15:54:48
Local clock offset: -0.087 ms
Remote clock offset: -0.096 ms

Below is generated by plot.py at 2019-05-30 17:19:18
Datalink statistics
-- Total of 1 flow:
Average throughput: 239.21 Mbit/s
95th percentile per-packet one-way delay: 59.371 ms
Loss rate: 0.56%
-- Flow 1:
Average throughput: 239.21 Mbit/s
95th percentile per-packet one-way delay: 59.371 ms
Loss rate: 0.56%

Run 3: Report of Copa — Data Link

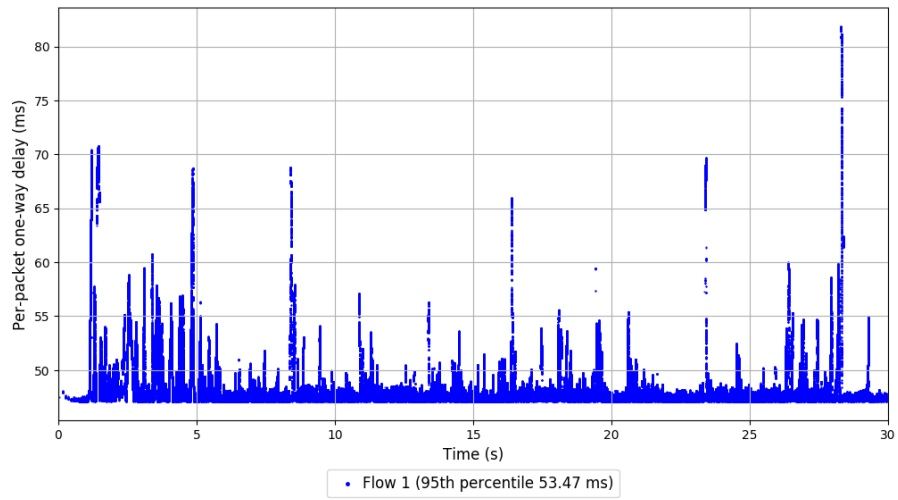
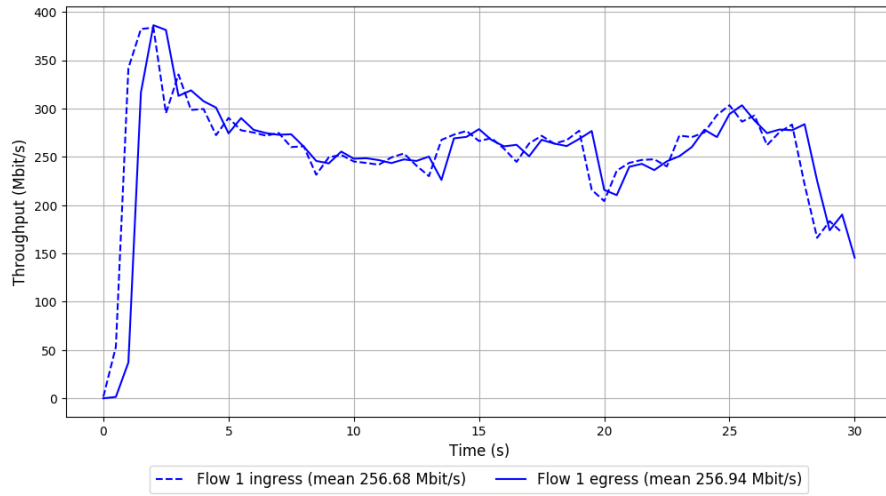


Run 4: Statistics of Copa

Start at: 2019-05-30 16:24:08
End at: 2019-05-30 16:24:38
Local clock offset: -0.107 ms
Remote clock offset: -0.035 ms

```
# Below is generated by plot.py at 2019-05-30 17:25:22
# Datalink statistics
-- Total of 1 flow:
Average throughput: 256.94 Mbit/s
95th percentile per-packet one-way delay: 53.468 ms
Loss rate: 0.21%
-- Flow 1:
Average throughput: 256.94 Mbit/s
95th percentile per-packet one-way delay: 53.468 ms
Loss rate: 0.21%
```

Run 4: Report of Copa — Data Link

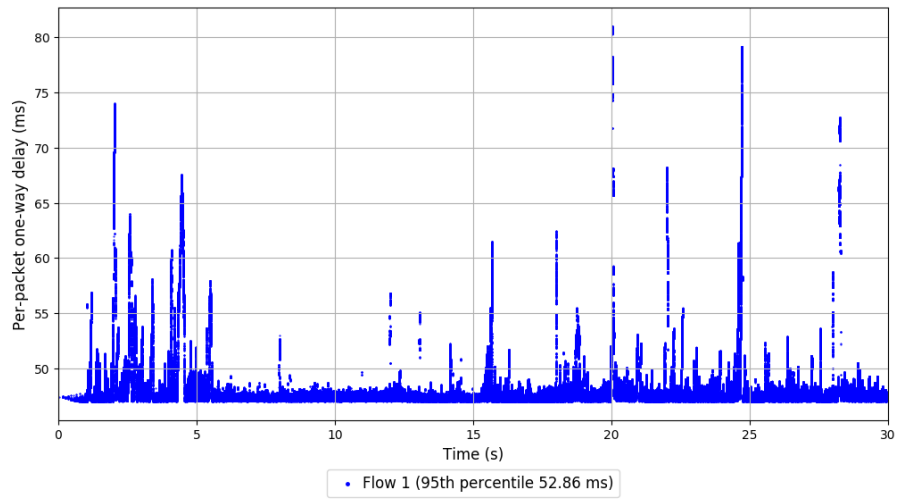
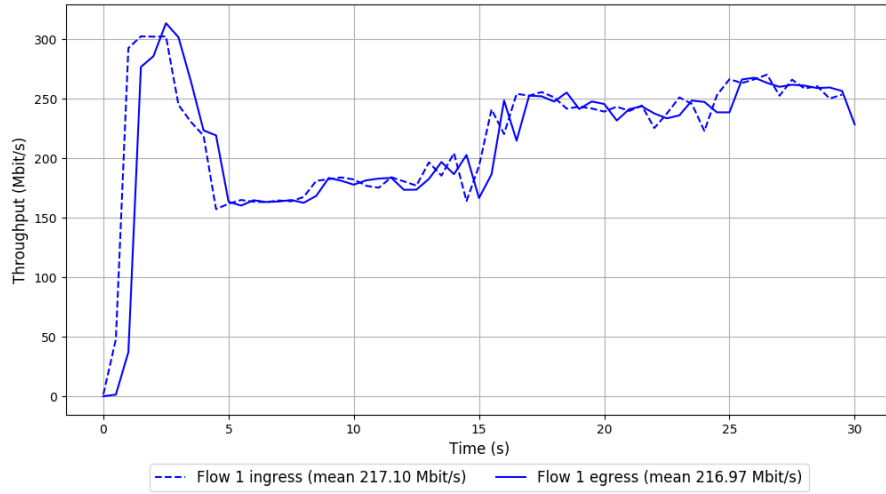


Run 5: Statistics of Copa

Start at: 2019-05-30 16:53:55
End at: 2019-05-30 16:54:25
Local clock offset: -0.156 ms
Remote clock offset: -0.051 ms

```
# Below is generated by plot.py at 2019-05-30 17:25:22
# Datalink statistics
-- Total of 1 flow:
Average throughput: 216.97 Mbit/s
95th percentile per-packet one-way delay: 52.857 ms
Loss rate: 0.38%
-- Flow 1:
Average throughput: 216.97 Mbit/s
95th percentile per-packet one-way delay: 52.857 ms
Loss rate: 0.38%
```

Run 5: Report of Copa — Data Link



Run 1: Statistics of TCP Cubic

Start at: 2019-05-30 14:41:19

End at: 2019-05-30 14:41:49

Local clock offset: -0.17 ms

Remote clock offset: -0.107 ms

Below is generated by plot.py at 2019-05-30 17:25:22

Datalink statistics

-- Total of 1 flow:

Average throughput: 354.33 Mbit/s

95th percentile per-packet one-way delay: 48.381 ms

Loss rate: 0.41%

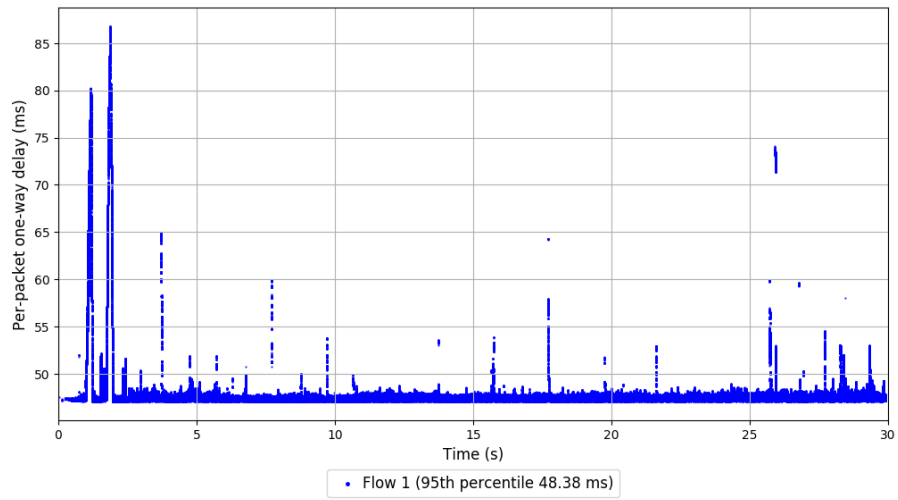
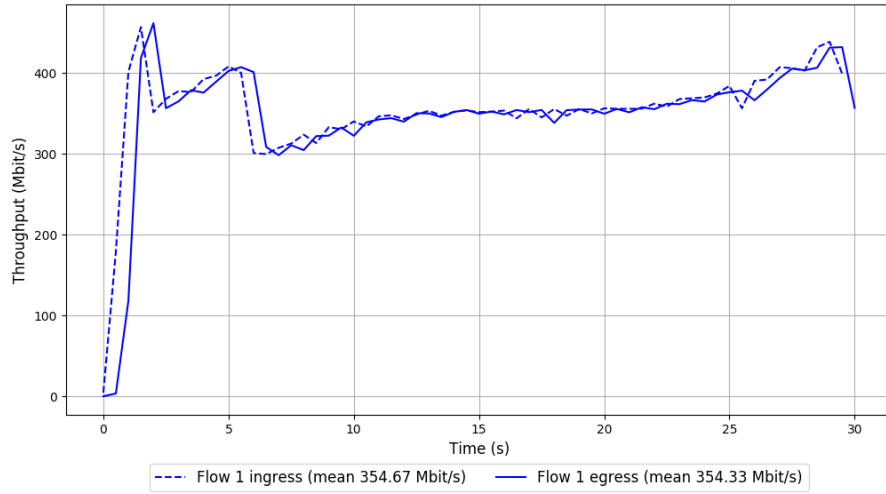
-- Flow 1:

Average throughput: 354.33 Mbit/s

95th percentile per-packet one-way delay: 48.381 ms

Loss rate: 0.41%

Run 1: Report of TCP Cubic — Data Link



Run 2: Statistics of TCP Cubic

Start at: 2019-05-30 15:11:24

End at: 2019-05-30 15:11:54

Local clock offset: -0.221 ms

Remote clock offset: 0.059 ms

Below is generated by plot.py at 2019-05-30 17:28:42

Datalink statistics

-- Total of 1 flow:

Average throughput: 592.68 Mbit/s

95th percentile per-packet one-way delay: 145.927 ms

Loss rate: 0.43%

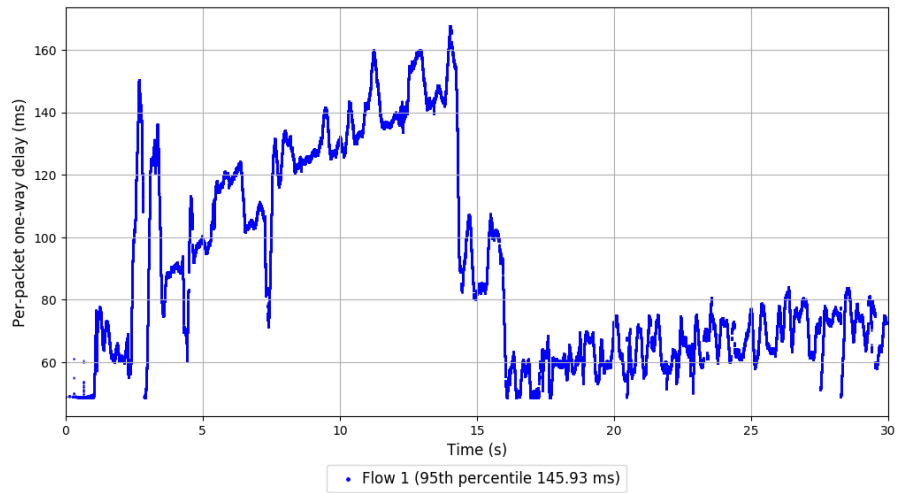
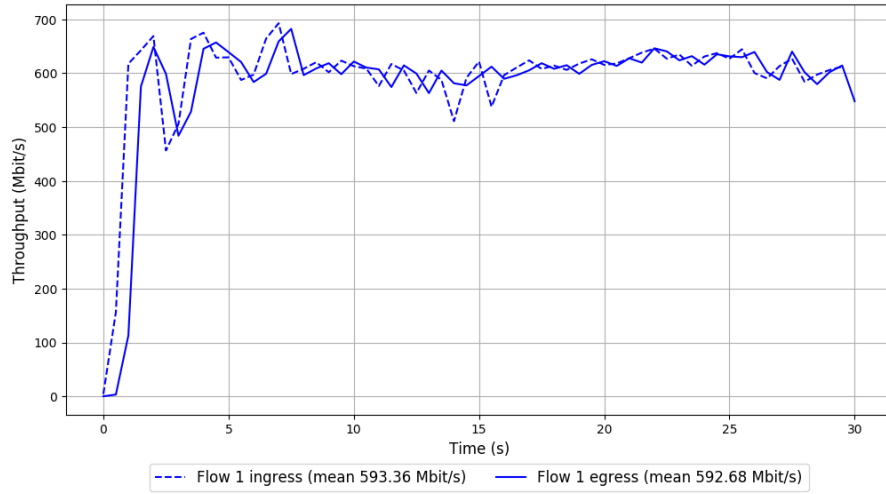
-- Flow 1:

Average throughput: 592.68 Mbit/s

95th percentile per-packet one-way delay: 145.927 ms

Loss rate: 0.43%

Run 2: Report of TCP Cubic — Data Link

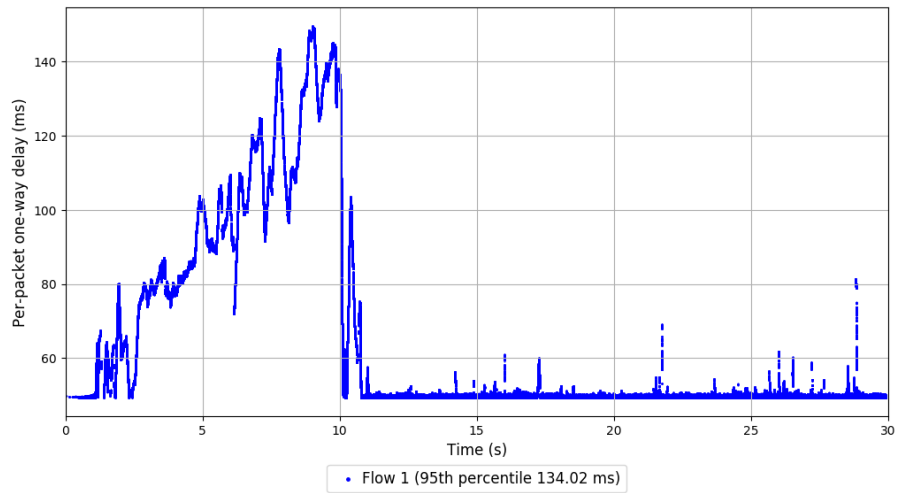
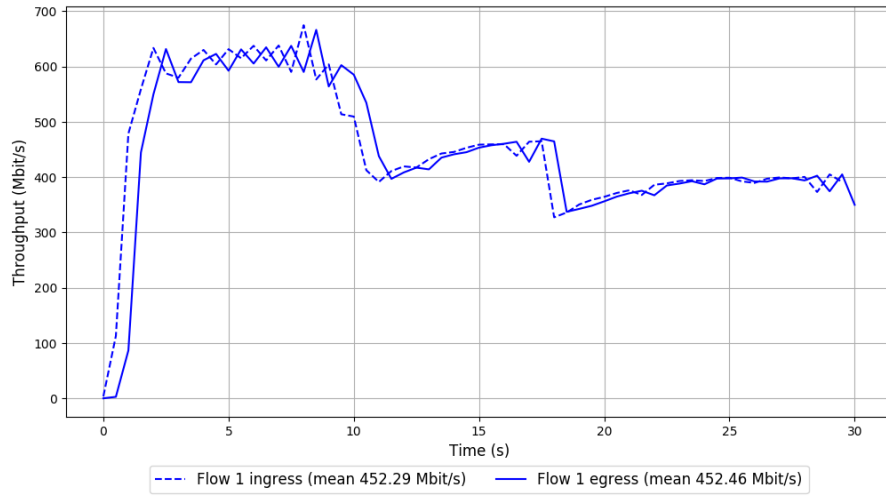


Run 3: Statistics of TCP Cubic

Start at: 2019-05-30 15:41:23
End at: 2019-05-30 15:41:53
Local clock offset: -0.052 ms
Remote clock offset: -0.032 ms

Below is generated by plot.py at 2019-05-30 17:28:42
Datalink statistics
-- Total of 1 flow:
Average throughput: 452.46 Mbit/s
95th percentile per-packet one-way delay: 134.021 ms
Loss rate: 0.30%
-- Flow 1:
Average throughput: 452.46 Mbit/s
95th percentile per-packet one-way delay: 134.021 ms
Loss rate: 0.30%

Run 3: Report of TCP Cubic — Data Link

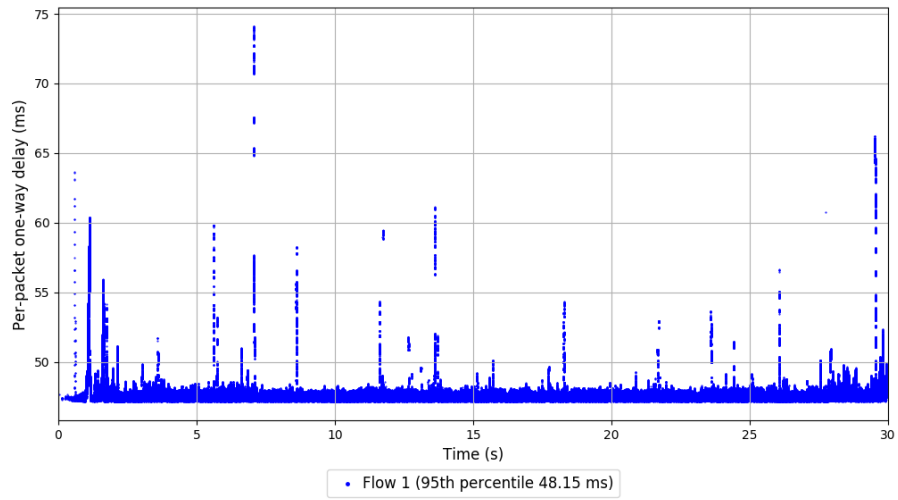
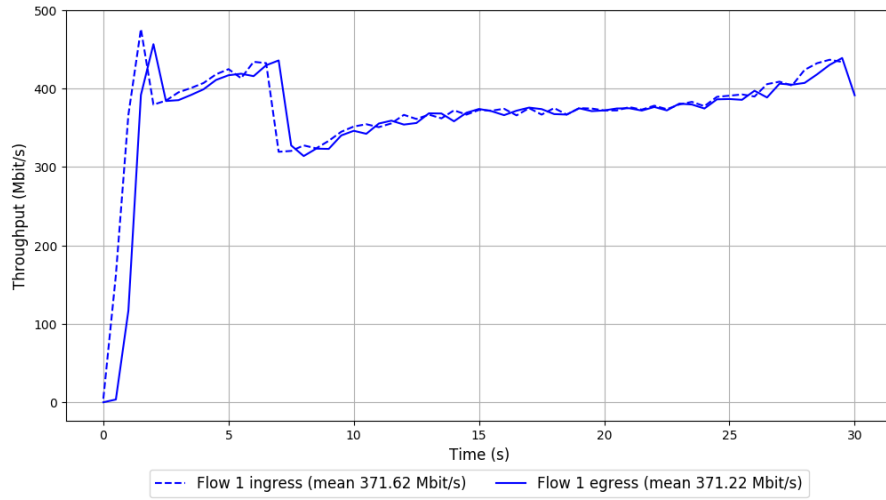


Run 4: Statistics of TCP Cubic

Start at: 2019-05-30 16:11:33
End at: 2019-05-30 16:12:03
Local clock offset: -0.075 ms
Remote clock offset: -0.134 ms

Below is generated by plot.py at 2019-05-30 17:28:42
Datalink statistics
-- Total of 1 flow:
Average throughput: 371.22 Mbit/s
95th percentile per-packet one-way delay: 48.145 ms
Loss rate: 0.42%
-- Flow 1:
Average throughput: 371.22 Mbit/s
95th percentile per-packet one-way delay: 48.145 ms
Loss rate: 0.42%

Run 4: Report of TCP Cubic — Data Link



Run 5: Statistics of TCP Cubic

Start at: 2019-05-30 16:41:15

End at: 2019-05-30 16:41:45

Local clock offset: -0.187 ms

Remote clock offset: -0.03 ms

Below is generated by plot.py at 2019-05-30 17:28:42

Datalink statistics

-- Total of 1 flow:

Average throughput: 380.21 Mbit/s

95th percentile per-packet one-way delay: 55.793 ms

Loss rate: 0.33%

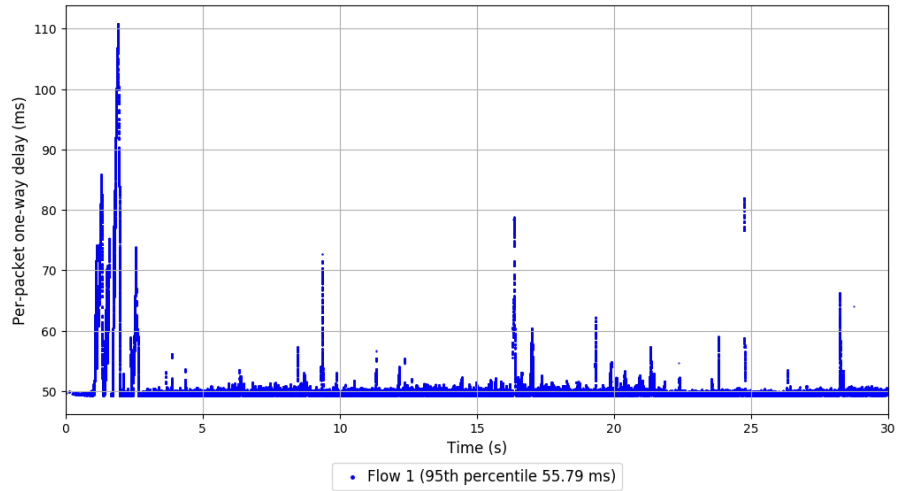
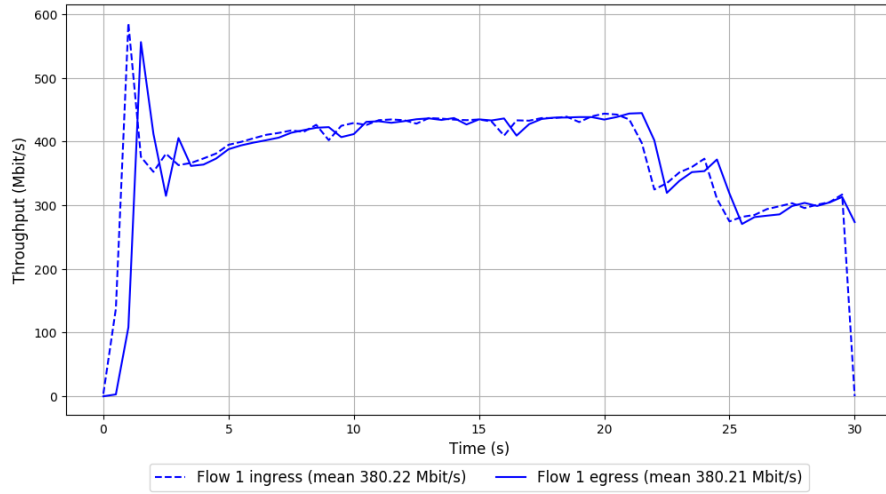
-- Flow 1:

Average throughput: 380.21 Mbit/s

95th percentile per-packet one-way delay: 55.793 ms

Loss rate: 0.33%

Run 5: Report of TCP Cubic — Data Link

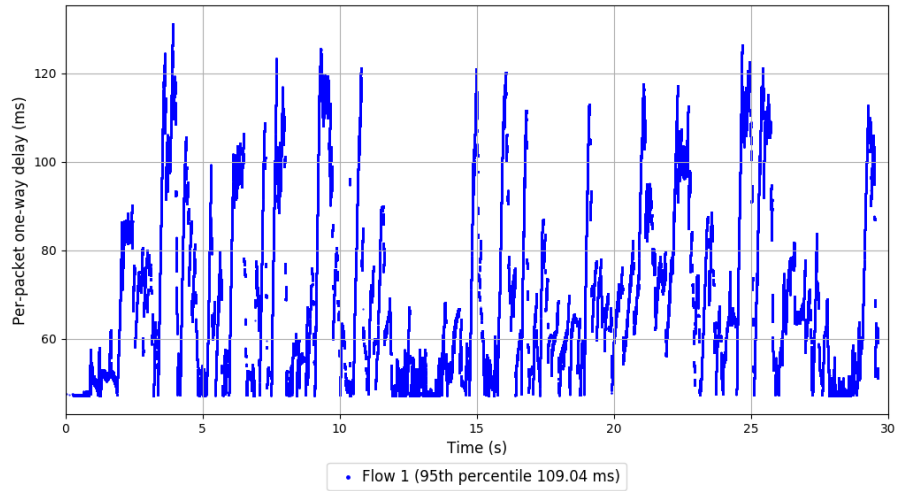
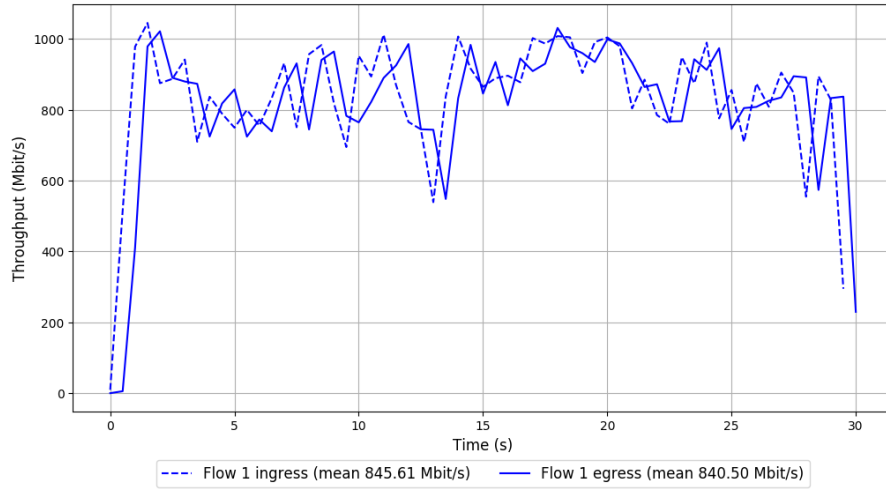


Run 1: Statistics of FillP

Start at: 2019-05-30 14:31:30
End at: 2019-05-30 14:32:00
Local clock offset: -0.144 ms
Remote clock offset: -0.142 ms

Below is generated by plot.py at 2019-05-30 17:36:52
Datalink statistics
-- Total of 1 flow:
Average throughput: 840.50 Mbit/s
95th percentile per-packet one-way delay: 109.036 ms
Loss rate: 0.92%
-- Flow 1:
Average throughput: 840.50 Mbit/s
95th percentile per-packet one-way delay: 109.036 ms
Loss rate: 0.92%

Run 1: Report of FillP — Data Link



Run 2: Statistics of FillP

Start at: 2019-05-30 15:01:05

End at: 2019-05-30 15:01:35

Local clock offset: -0.175 ms

Remote clock offset: 0.067 ms

Below is generated by plot.py at 2019-05-30 17:44:36

Datalink statistics

-- Total of 1 flow:

Average throughput: 881.27 Mbit/s

95th percentile per-packet one-way delay: 84.161 ms

Loss rate: 0.44%

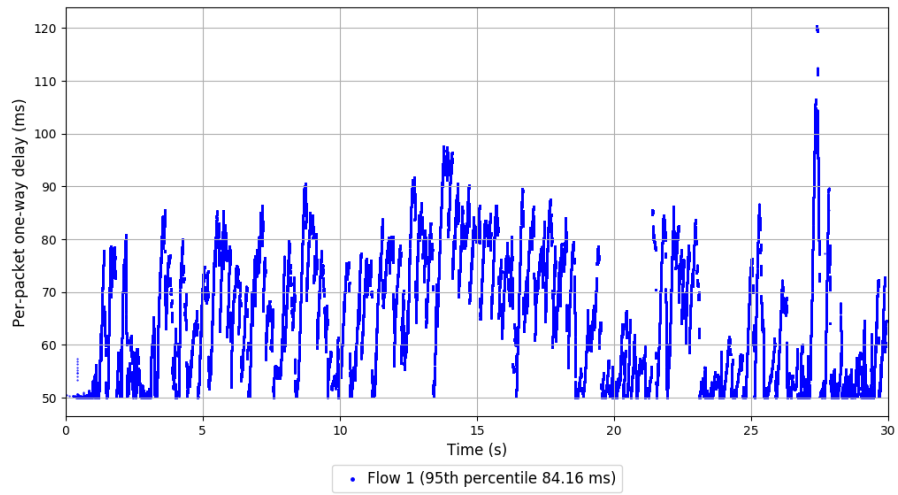
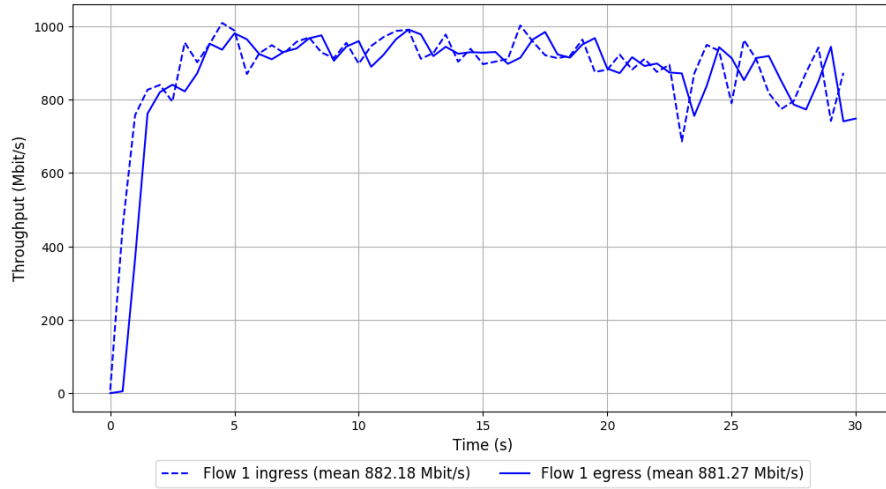
-- Flow 1:

Average throughput: 881.27 Mbit/s

95th percentile per-packet one-way delay: 84.161 ms

Loss rate: 0.44%

Run 2: Report of FillP — Data Link

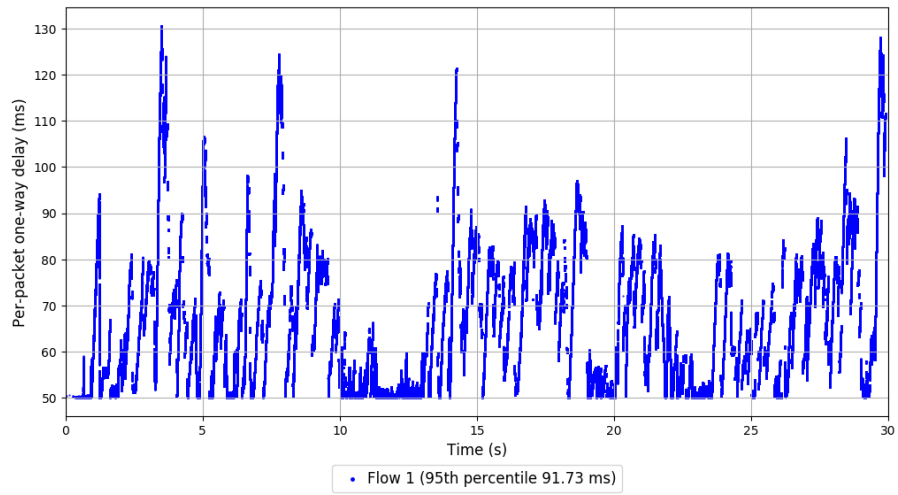
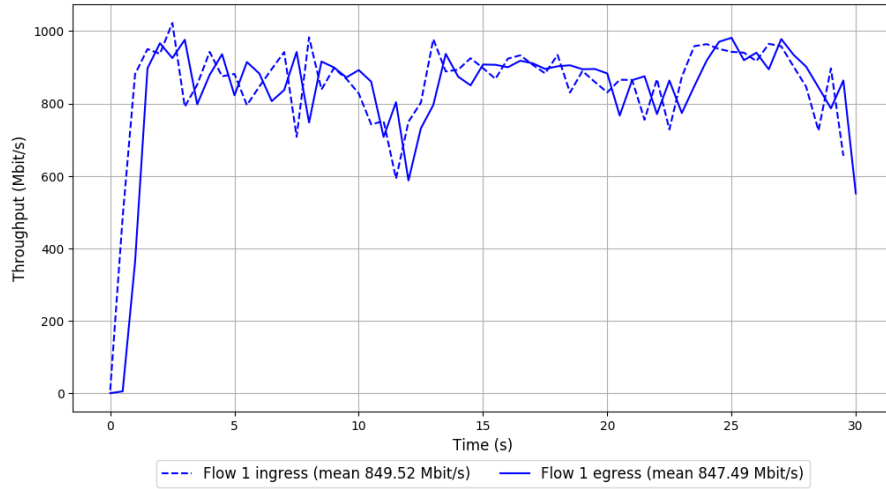


Run 3: Statistics of FillP

Start at: 2019-05-30 15:31:27
End at: 2019-05-30 15:31:57
Local clock offset: -0.051 ms
Remote clock offset: -0.048 ms

Below is generated by plot.py at 2019-05-30 17:44:36
Datalink statistics
-- Total of 1 flow:
Average throughput: 847.49 Mbit/s
95th percentile per-packet one-way delay: 91.734 ms
Loss rate: 0.58%
-- Flow 1:
Average throughput: 847.49 Mbit/s
95th percentile per-packet one-way delay: 91.734 ms
Loss rate: 0.58%

Run 3: Report of FillP — Data Link

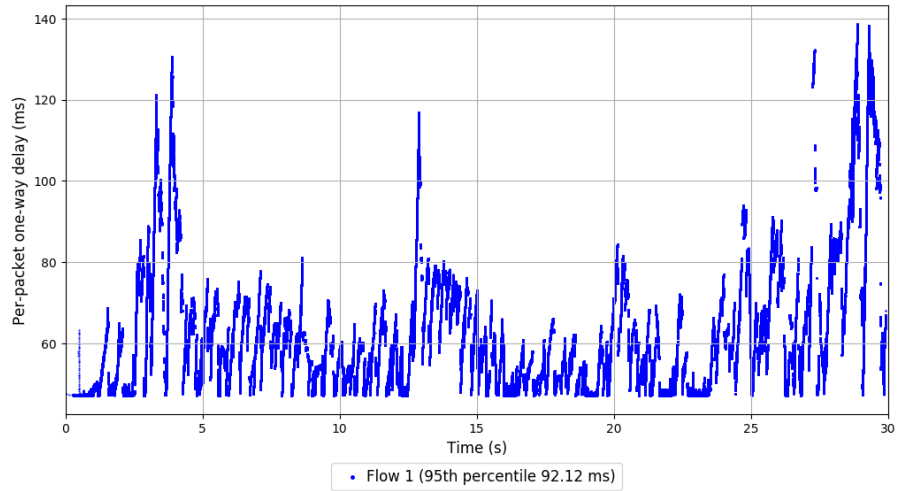
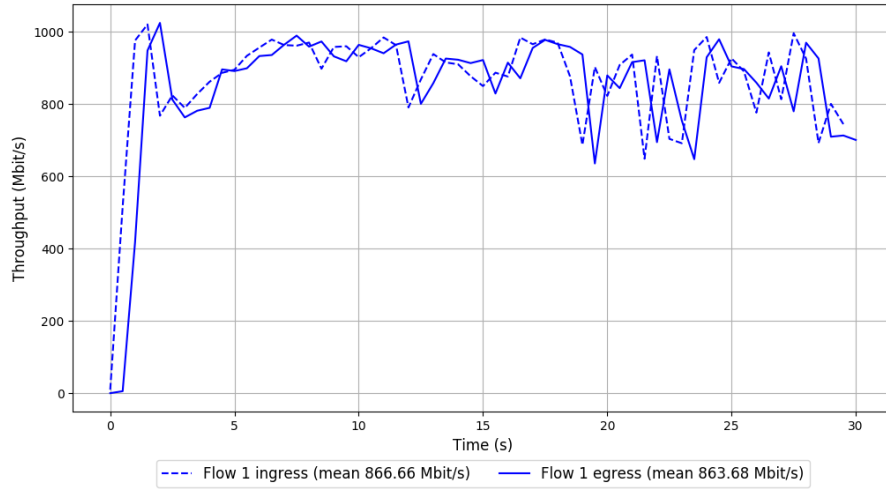


Run 4: Statistics of FillP

Start at: 2019-05-30 16:01:31
End at: 2019-05-30 16:02:01
Local clock offset: -0.092 ms
Remote clock offset: -0.085 ms

Below is generated by plot.py at 2019-05-30 17:45:07
Datalink statistics
-- Total of 1 flow:
Average throughput: 863.68 Mbit/s
95th percentile per-packet one-way delay: 92.121 ms
Loss rate: 0.67%
-- Flow 1:
Average throughput: 863.68 Mbit/s
95th percentile per-packet one-way delay: 92.121 ms
Loss rate: 0.67%

Run 4: Report of FillP — Data Link

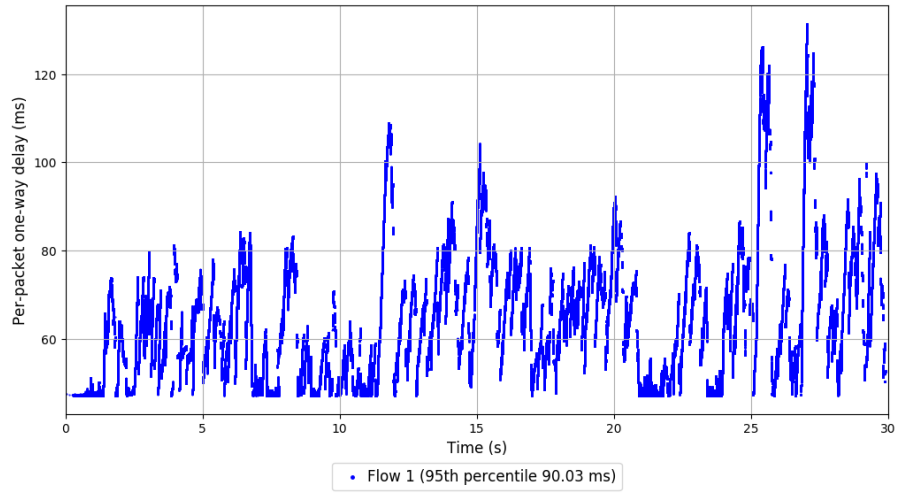
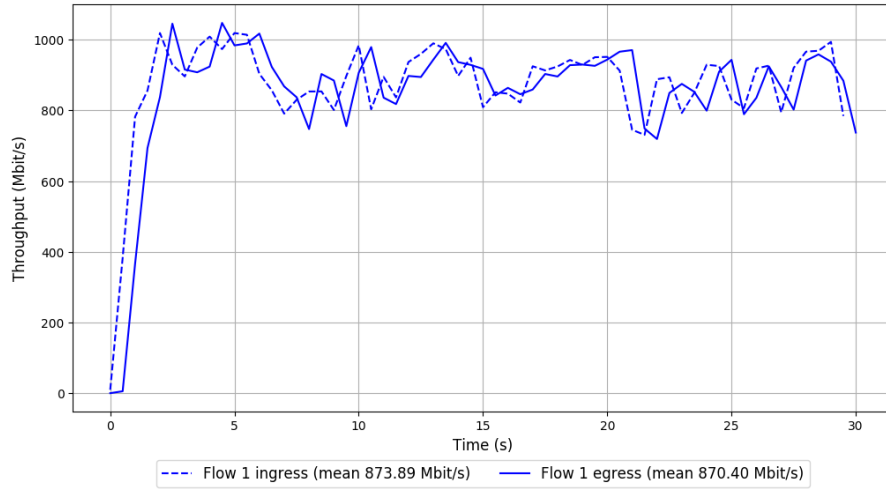


Run 5: Statistics of FillP

Start at: 2019-05-30 16:31:11
End at: 2019-05-30 16:31:41
Local clock offset: -0.161 ms
Remote clock offset: -0.106 ms

Below is generated by plot.py at 2019-05-30 17:45:22
Datalink statistics
-- Total of 1 flow:
Average throughput: 870.40 Mbit/s
95th percentile per-packet one-way delay: 90.034 ms
Loss rate: 0.72%
-- Flow 1:
Average throughput: 870.40 Mbit/s
95th percentile per-packet one-way delay: 90.034 ms
Loss rate: 0.72%

Run 5: Report of FillP — Data Link

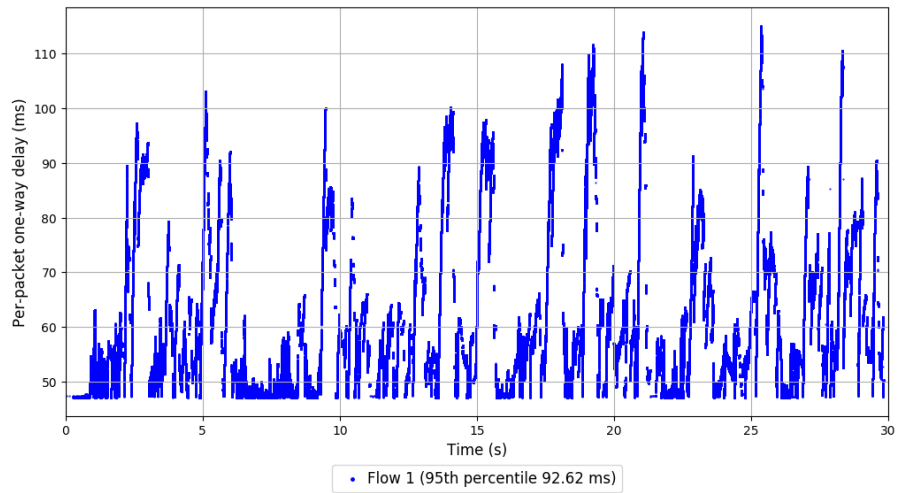
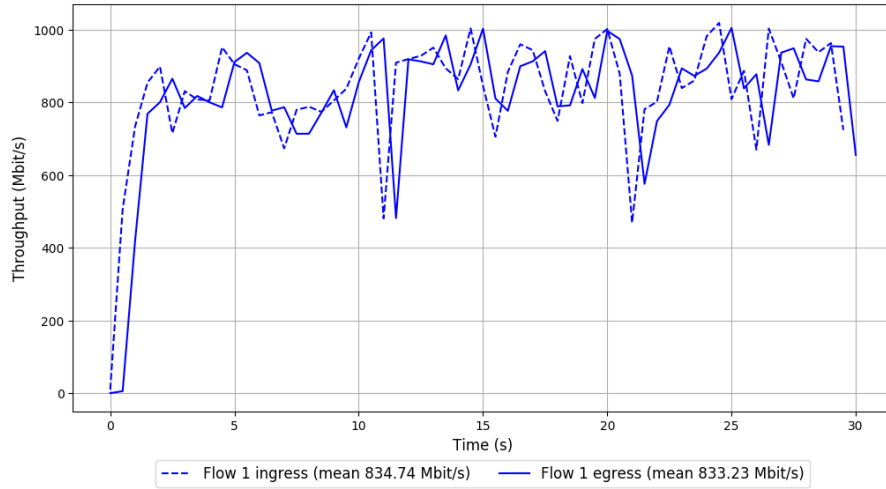


Run 1: Statistics of FillP-Sheep

Start at: 2019-05-30 14:49:19
End at: 2019-05-30 14:49:49
Local clock offset: -0.164 ms
Remote clock offset: -0.014 ms

Below is generated by plot.py at 2019-05-30 17:45:22
Datalink statistics
-- Total of 1 flow:
Average throughput: 833.23 Mbit/s
95th percentile per-packet one-way delay: 92.618 ms
Loss rate: 0.51%
-- Flow 1:
Average throughput: 833.23 Mbit/s
95th percentile per-packet one-way delay: 92.618 ms
Loss rate: 0.51%

Run 1: Report of FillP-Sheep — Data Link



Run 2: Statistics of FillP-Sheep

Start at: 2019-05-30 15:19:38

End at: 2019-05-30 15:20:08

Local clock offset: -0.13 ms

Remote clock offset: 0.009 ms

Below is generated by plot.py at 2019-05-30 17:45:50

Datalink statistics

-- Total of 1 flow:

Average throughput: 840.79 Mbit/s

95th percentile per-packet one-way delay: 82.648 ms

Loss rate: 0.29%

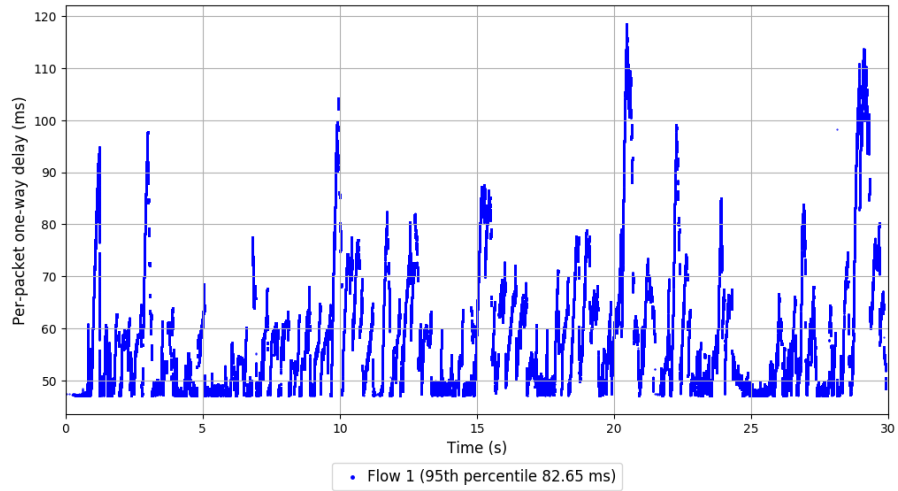
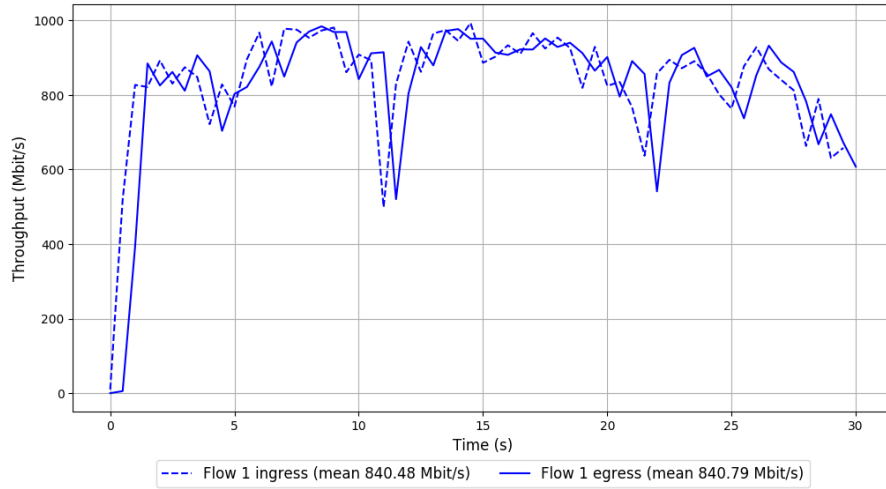
-- Flow 1:

Average throughput: 840.79 Mbit/s

95th percentile per-packet one-way delay: 82.648 ms

Loss rate: 0.29%

Run 2: Report of FillP-Sheep — Data Link

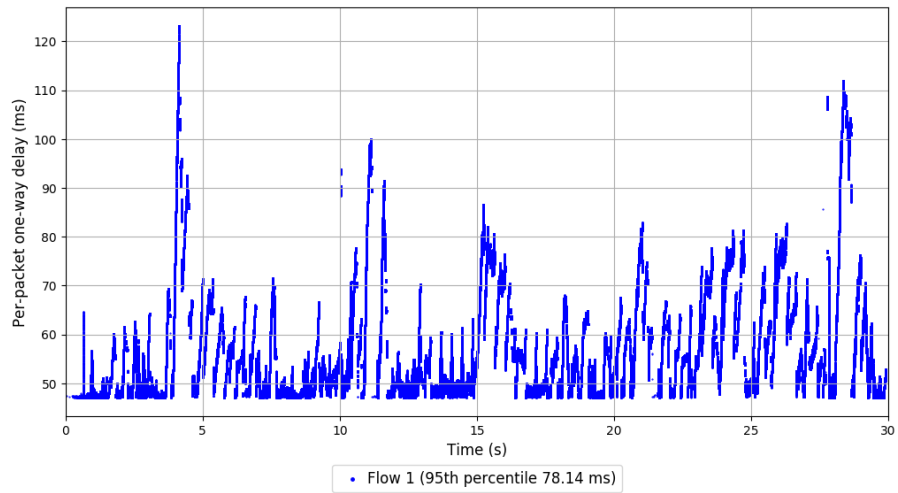
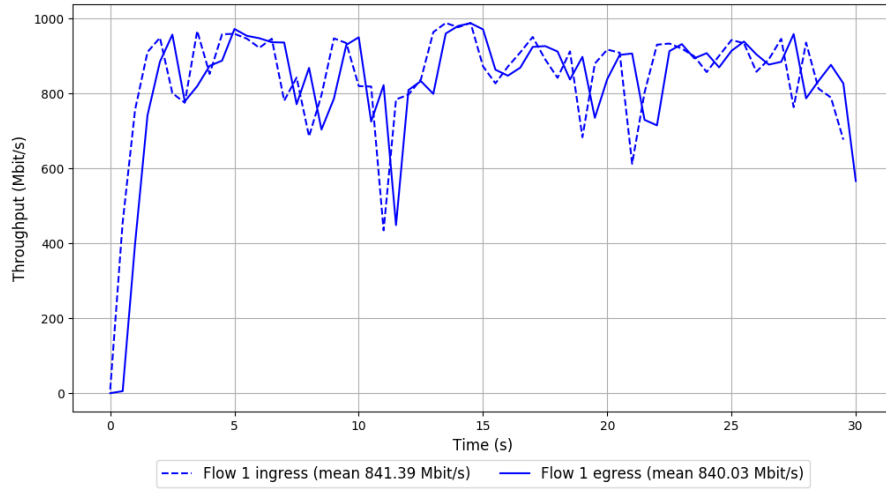


Run 3: Statistics of FillP-Sheep

Start at: 2019-05-30 15:49:30
End at: 2019-05-30 15:50:00
Local clock offset: -0.072 ms
Remote clock offset: -0.021 ms

Below is generated by plot.py at 2019-05-30 17:47:55
Datalink statistics
-- Total of 1 flow:
Average throughput: 840.03 Mbit/s
95th percentile per-packet one-way delay: 78.137 ms
Loss rate: 0.49%
-- Flow 1:
Average throughput: 840.03 Mbit/s
95th percentile per-packet one-way delay: 78.137 ms
Loss rate: 0.49%

Run 3: Report of FillP-Sheep — Data Link



Run 4: Statistics of FillP-Sheep

Start at: 2019-05-30 16:19:32

End at: 2019-05-30 16:20:02

Local clock offset: -0.09 ms

Remote clock offset: -0.12 ms

Below is generated by plot.py at 2019-05-30 17:58:47

Datalink statistics

-- Total of 1 flow:

Average throughput: 866.36 Mbit/s

95th percentile per-packet one-way delay: 81.143 ms

Loss rate: 0.41%

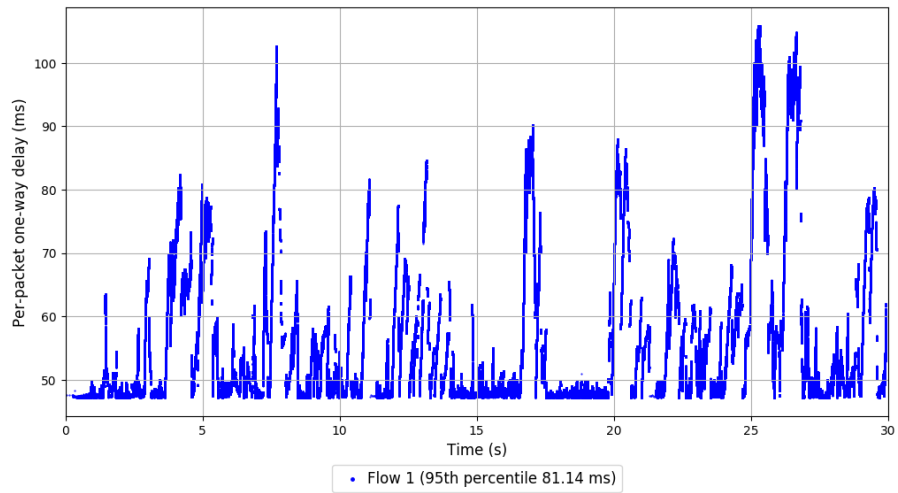
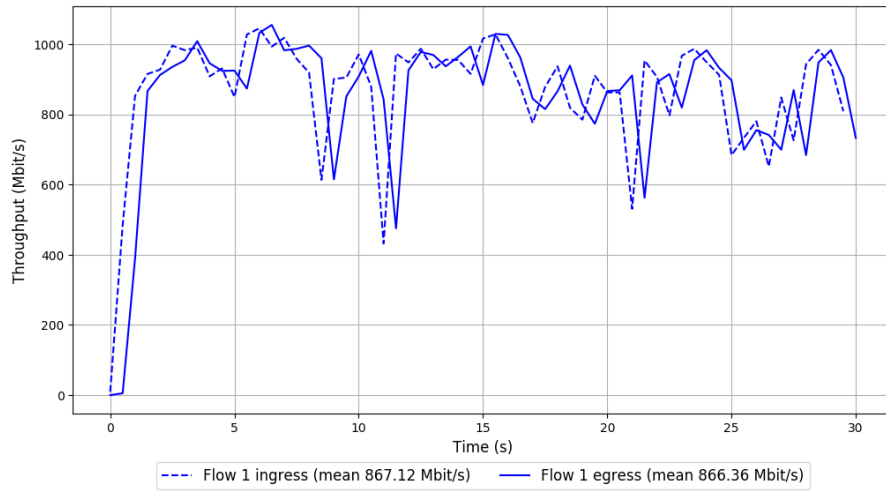
-- Flow 1:

Average throughput: 866.36 Mbit/s

95th percentile per-packet one-way delay: 81.143 ms

Loss rate: 0.41%

Run 4: Report of FillP-Sheep — Data Link

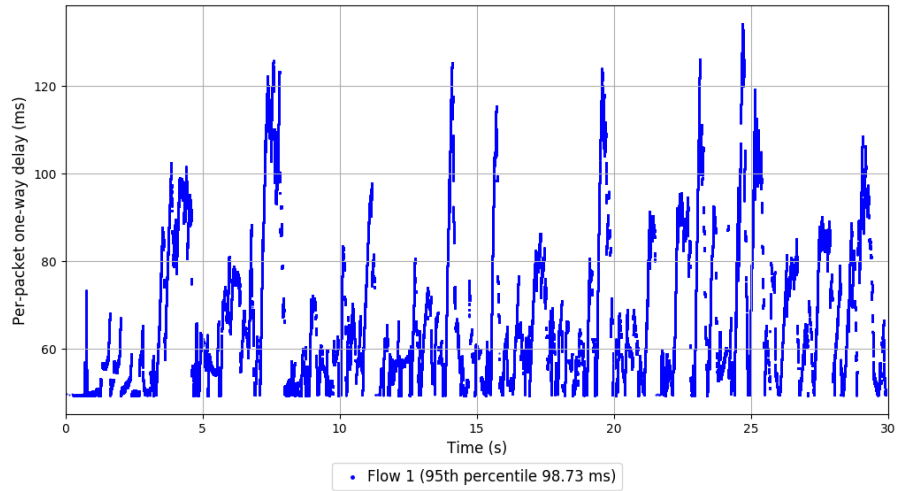
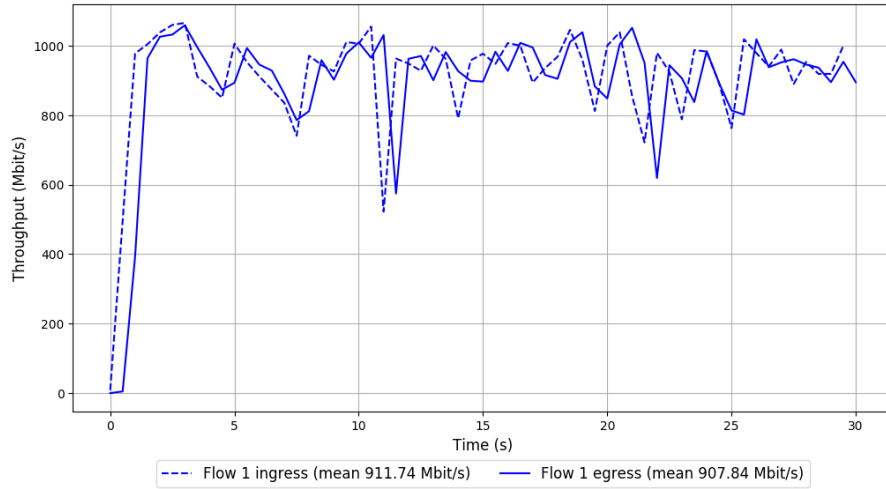


Run 5: Statistics of FillP-Sheep

Start at: 2019-05-30 16:49:16
End at: 2019-05-30 16:49:46
Local clock offset: -0.138 ms
Remote clock offset: -0.056 ms

Below is generated by plot.py at 2019-05-30 18:04:59
Datalink statistics
-- Total of 1 flow:
Average throughput: 907.84 Mbit/s
95th percentile per-packet one-way delay: 98.728 ms
Loss rate: 0.76%
-- Flow 1:
Average throughput: 907.84 Mbit/s
95th percentile per-packet one-way delay: 98.728 ms
Loss rate: 0.76%

Run 5: Report of FillP-Sheep — Data Link

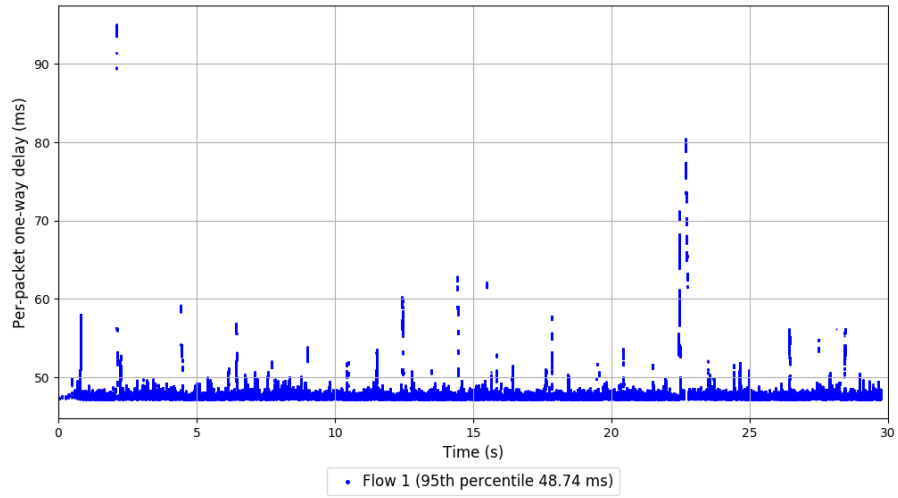
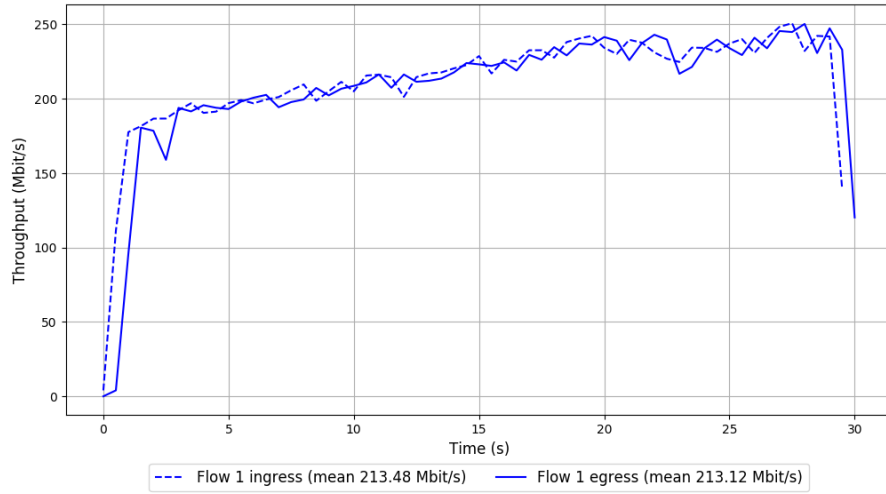


Run 1: Statistics of Indigo

Start at: 2019-05-30 14:39:52
End at: 2019-05-30 14:40:22
Local clock offset: -0.145 ms
Remote clock offset: -0.145 ms

Below is generated by plot.py at 2019-05-30 18:04:59
Datalink statistics
-- Total of 1 flow:
Average throughput: 213.12 Mbit/s
95th percentile per-packet one-way delay: 48.742 ms
Loss rate: 0.49%
-- Flow 1:
Average throughput: 213.12 Mbit/s
95th percentile per-packet one-way delay: 48.742 ms
Loss rate: 0.49%

Run 1: Report of Indigo — Data Link



Run 2: Statistics of Indigo

Start at: 2019-05-30 15:09:57

End at: 2019-05-30 15:10:27

Local clock offset: -0.2 ms

Remote clock offset: 0.09 ms

Below is generated by plot.py at 2019-05-30 18:04:59

Datalink statistics

-- Total of 1 flow:

Average throughput: 221.02 Mbit/s

95th percentile per-packet one-way delay: 51.805 ms

Loss rate: 0.36%

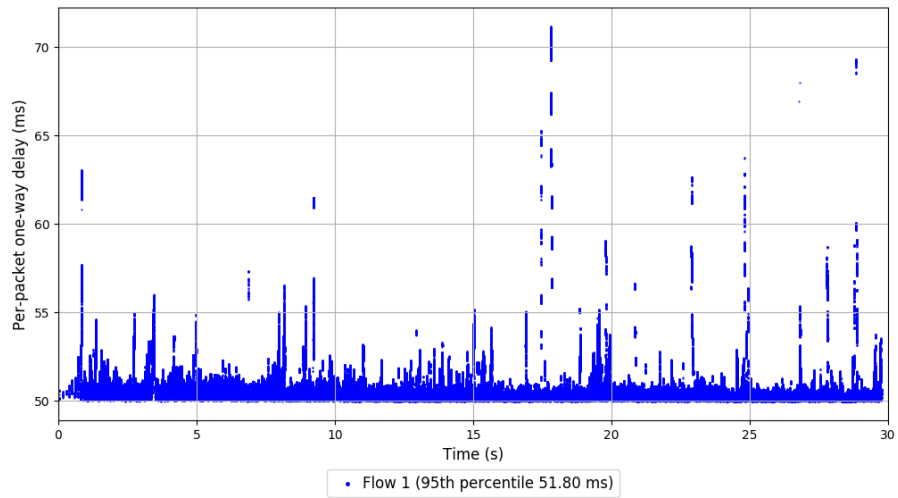
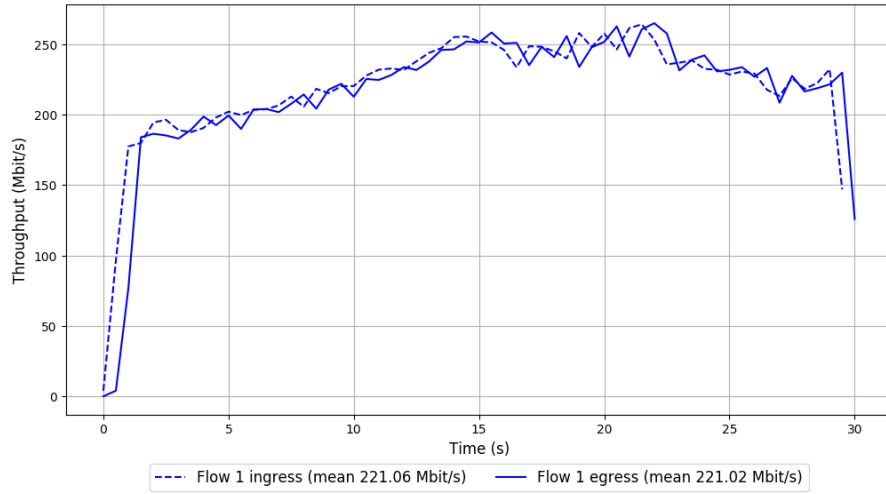
-- Flow 1:

Average throughput: 221.02 Mbit/s

95th percentile per-packet one-way delay: 51.805 ms

Loss rate: 0.36%

Run 2: Report of Indigo — Data Link



Run 3: Statistics of Indigo

Start at: 2019-05-30 15:39:55
End at: 2019-05-30 15:40:25
Local clock offset: -0.016 ms
Remote clock offset: -0.059 ms

Below is generated by plot.py at 2019-05-30 18:04:59

Datalink statistics

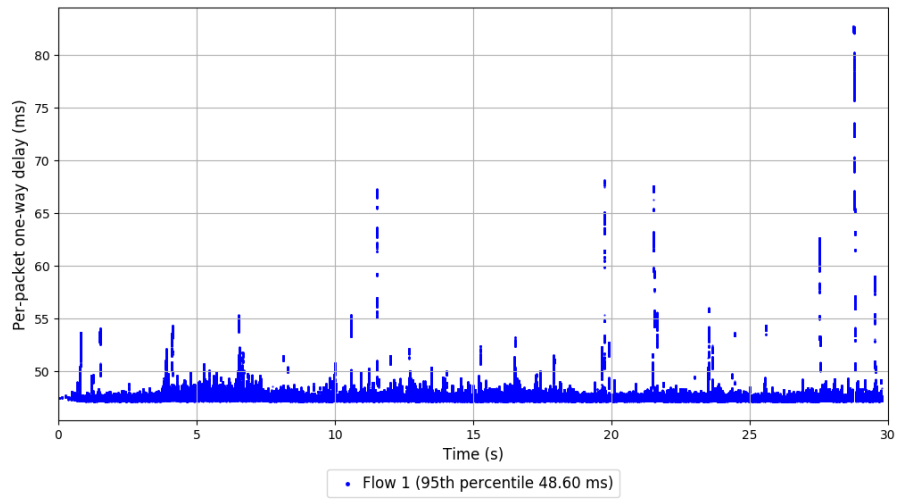
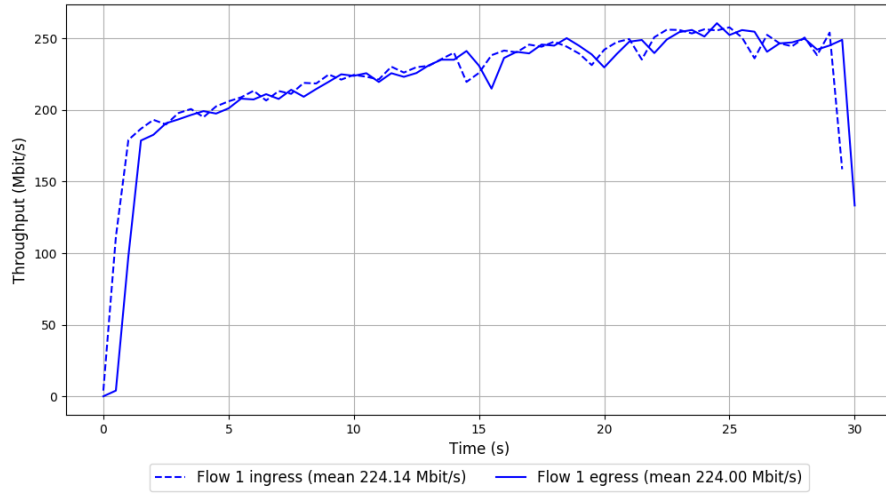
-- Total of 1 flow:

Average throughput: 224.00 Mbit/s
95th percentile per-packet one-way delay: 48.603 ms
Loss rate: 0.38%

-- Flow 1:

Average throughput: 224.00 Mbit/s
95th percentile per-packet one-way delay: 48.603 ms
Loss rate: 0.38%

Run 3: Report of Indigo — Data Link

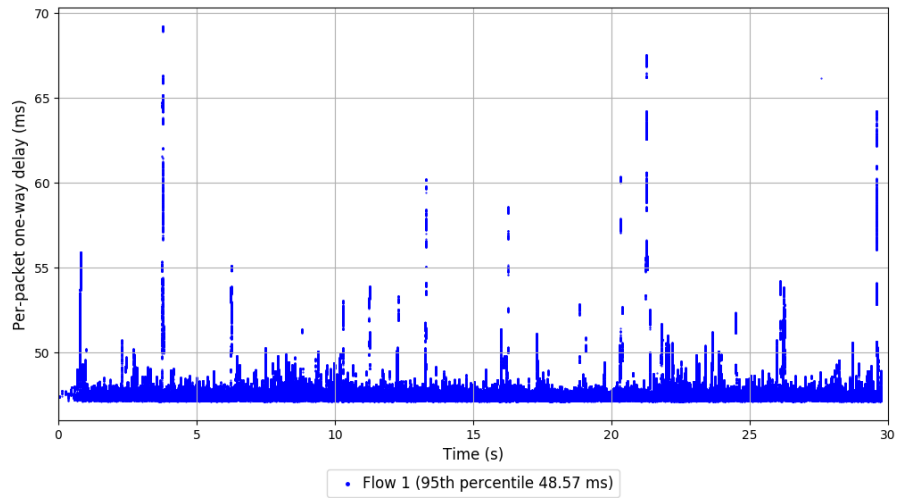
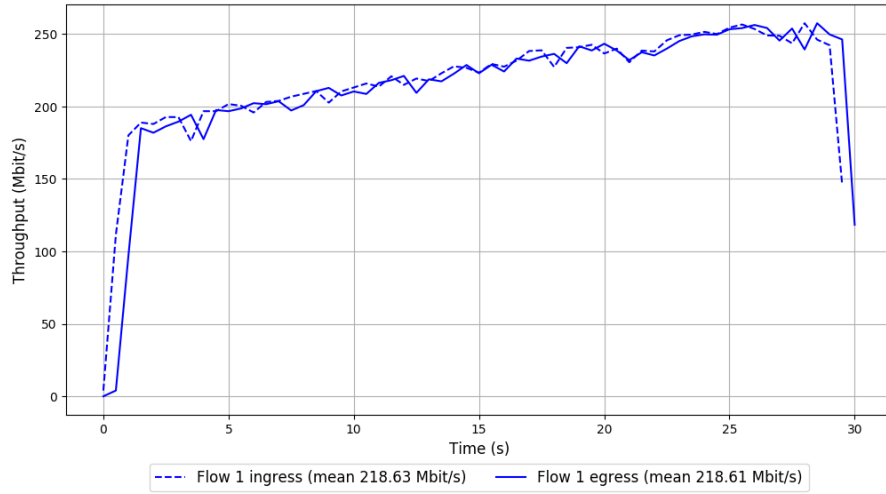


Run 4: Statistics of Indigo

Start at: 2019-05-30 16:10:05
End at: 2019-05-30 16:10:35
Local clock offset: -0.058 ms
Remote clock offset: -0.099 ms

Below is generated by plot.py at 2019-05-30 18:04:59
Datalink statistics
-- Total of 1 flow:
Average throughput: 218.61 Mbit/s
95th percentile per-packet one-way delay: 48.573 ms
Loss rate: 0.36%
-- Flow 1:
Average throughput: 218.61 Mbit/s
95th percentile per-packet one-way delay: 48.573 ms
Loss rate: 0.36%

Run 4: Report of Indigo — Data Link

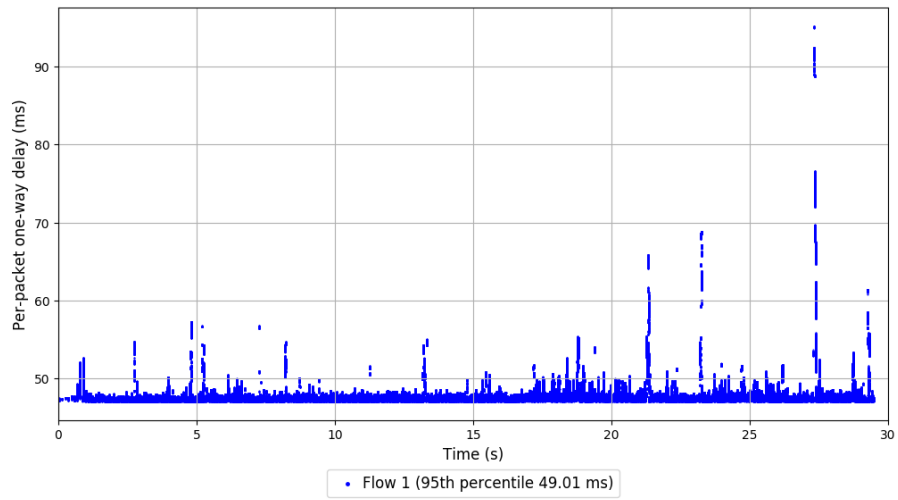
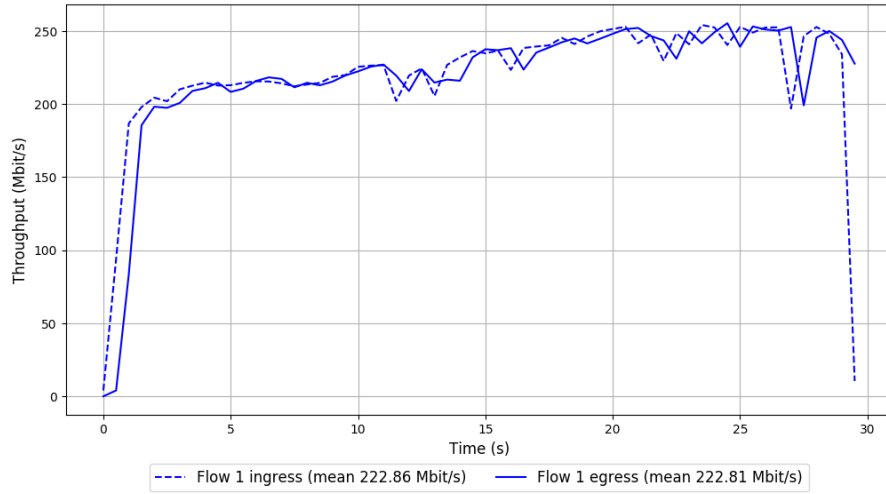


Run 5: Statistics of Indigo

Start at: 2019-05-30 16:39:48
End at: 2019-05-30 16:40:18
Local clock offset: -0.126 ms
Remote clock offset: -0.008 ms

Below is generated by plot.py at 2019-05-30 18:04:59
Datalink statistics
-- Total of 1 flow:
Average throughput: 222.81 Mbit/s
95th percentile per-packet one-way delay: 49.009 ms
Loss rate: 0.35%
-- Flow 1:
Average throughput: 222.81 Mbit/s
95th percentile per-packet one-way delay: 49.009 ms
Loss rate: 0.35%

Run 5: Report of Indigo — Data Link



Run 1: Statistics of Indigo-MusesC3

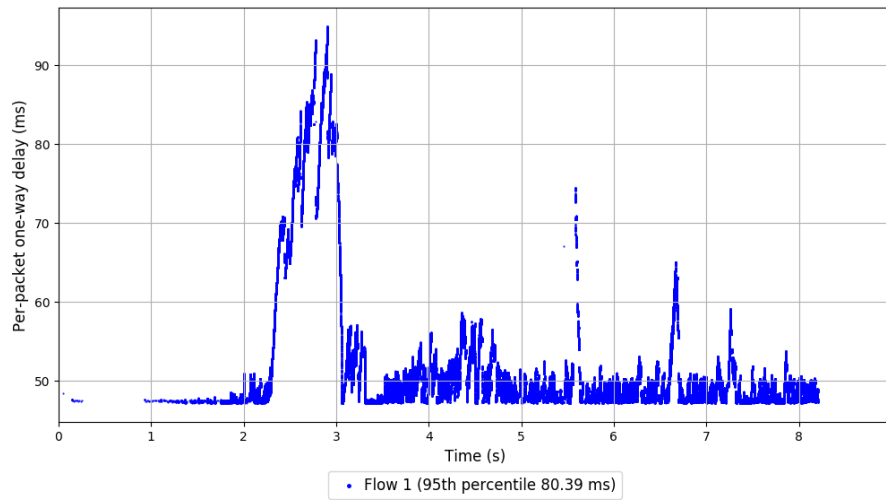
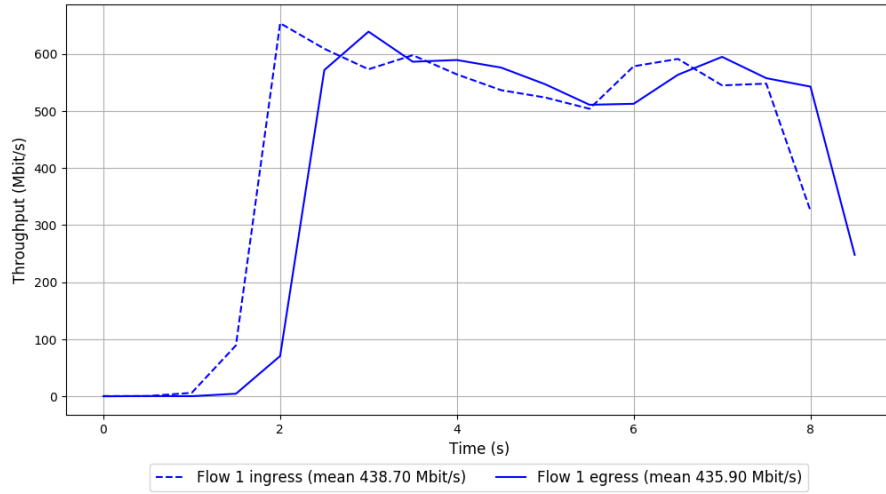
Start at: 2019-05-30 14:35:50

End at: 2019-05-30 14:36:20

Local clock offset: -0.115 ms

Remote clock offset: -0.163 ms

Run 1: Report of Indigo-MusesC3 — Data Link



Run 2: Statistics of Indigo-MusesC3

Start at: 2019-05-30 15:05:27

End at: 2019-05-30 15:05:57

Local clock offset: -0.192 ms

Remote clock offset: 0.075 ms

Below is generated by plot.py at 2019-05-30 18:04:59

Datalink statistics

-- Total of 1 flow:

Average throughput: 592.30 Mbit/s

95th percentile per-packet one-way delay: 61.784 ms

Loss rate: 0.52%

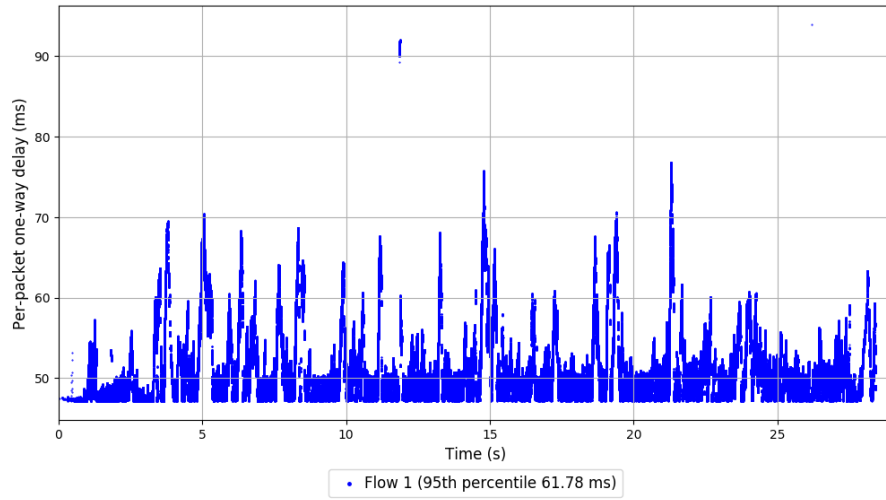
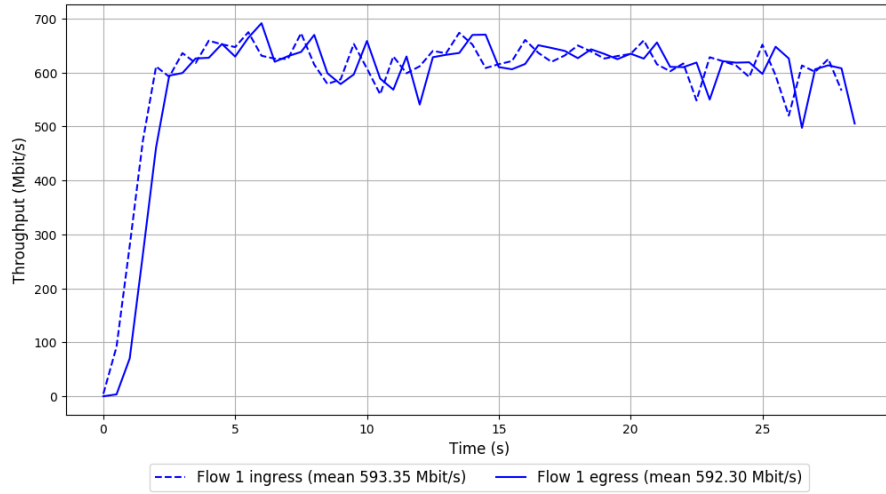
-- Flow 1:

Average throughput: 592.30 Mbit/s

95th percentile per-packet one-way delay: 61.784 ms

Loss rate: 0.52%

Run 2: Report of Indigo-MusesC3 — Data Link



Run 3: Statistics of Indigo-MusesC3

Start at: 2019-05-30 15:35:48

End at: 2019-05-30 15:36:18

Local clock offset: -0.03 ms

Remote clock offset: -0.017 ms

Below is generated by plot.py at 2019-05-30 18:04:59

Datalink statistics

-- Total of 1 flow:

Average throughput: 538.52 Mbit/s

95th percentile per-packet one-way delay: 62.135 ms

Loss rate: 0.50%

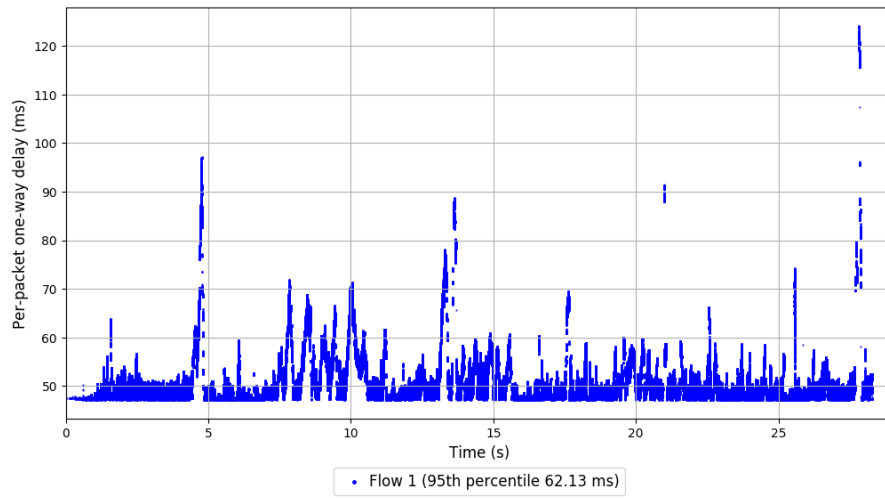
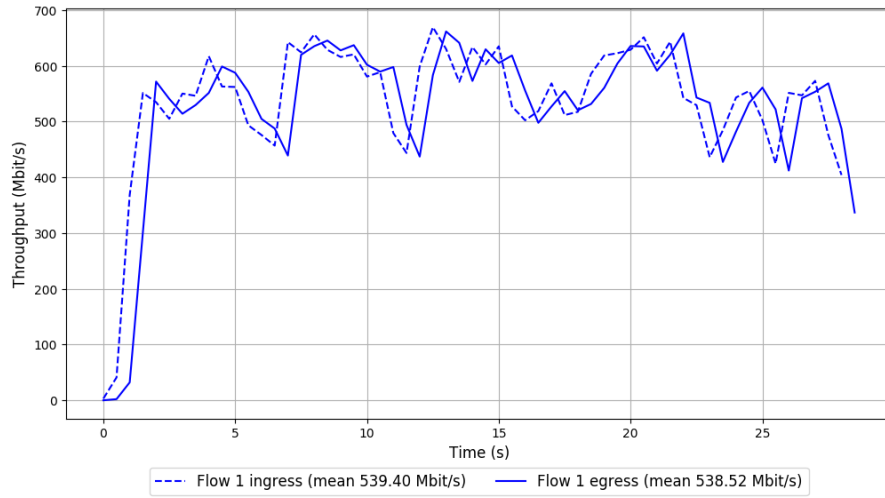
-- Flow 1:

Average throughput: 538.52 Mbit/s

95th percentile per-packet one-way delay: 62.135 ms

Loss rate: 0.50%

Run 3: Report of Indigo-MusesC3 — Data Link

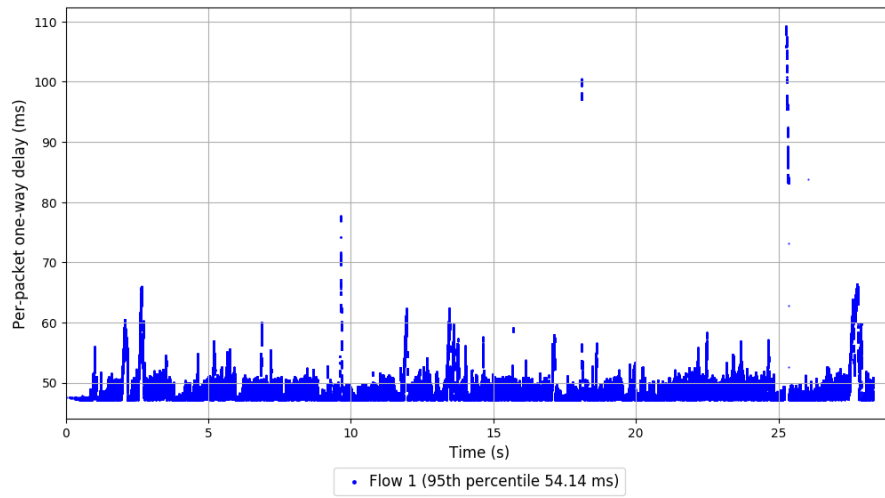
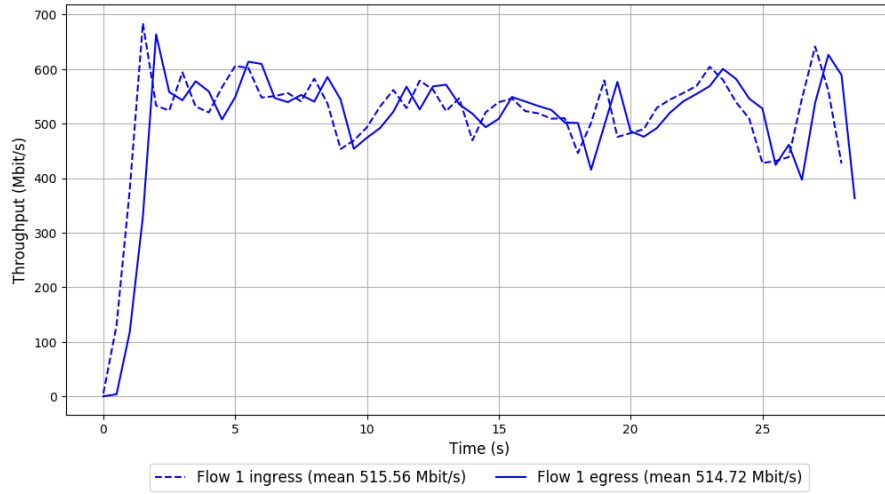


Run 4: Statistics of Indigo-MusesC3

Start at: 2019-05-30 16:05:51
End at: 2019-05-30 16:06:21
Local clock offset: -0.089 ms
Remote clock offset: -0.103 ms

Below is generated by plot.py at 2019-05-30 18:04:59
Datalink statistics
-- Total of 1 flow:
Average throughput: 514.72 Mbit/s
95th percentile per-packet one-way delay: 54.136 ms
Loss rate: 0.51%
-- Flow 1:
Average throughput: 514.72 Mbit/s
95th percentile per-packet one-way delay: 54.136 ms
Loss rate: 0.51%

Run 4: Report of Indigo-MusesC3 — Data Link

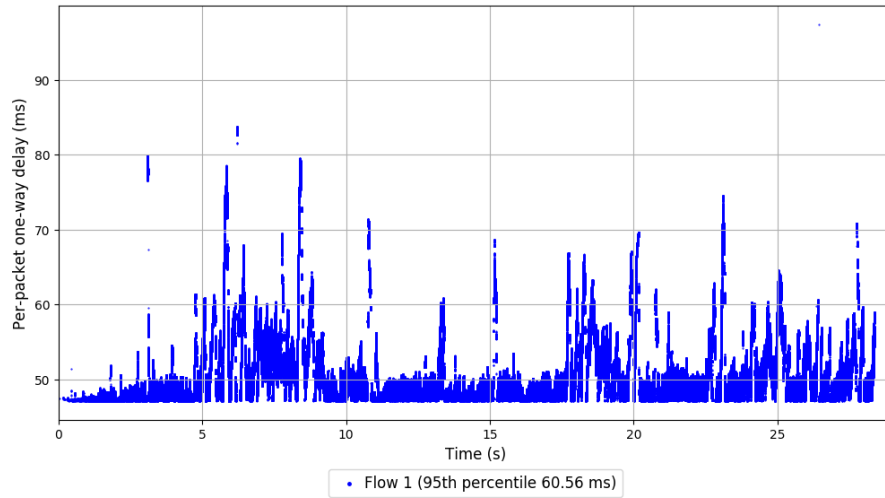
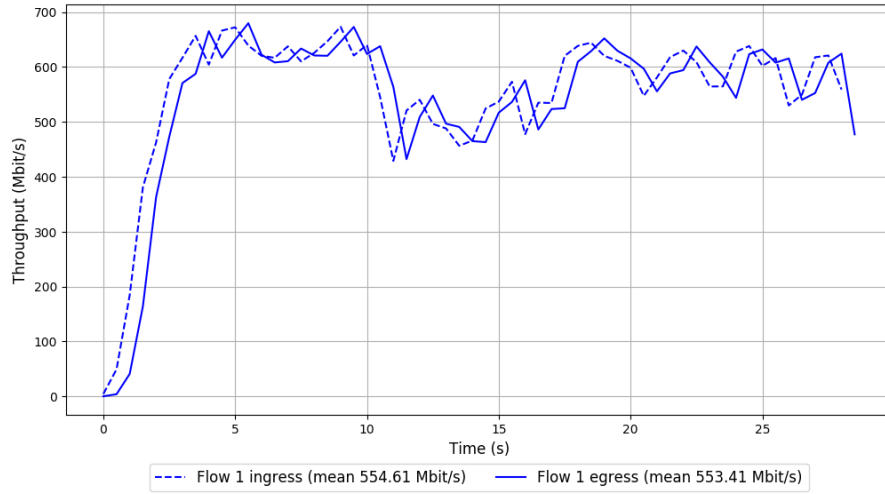


Run 5: Statistics of Indigo-MusesC3

Start at: 2019-05-30 16:35:32
End at: 2019-05-30 16:36:02
Local clock offset: -0.162 ms
Remote clock offset: -0.078 ms

Below is generated by plot.py at 2019-05-30 18:04:59
Datalink statistics
-- Total of 1 flow:
Average throughput: 553.41 Mbit/s
95th percentile per-packet one-way delay: 60.565 ms
Loss rate: 0.55%
-- Flow 1:
Average throughput: 553.41 Mbit/s
95th percentile per-packet one-way delay: 60.565 ms
Loss rate: 0.55%

Run 5: Report of Indigo-MusesC3 — Data Link

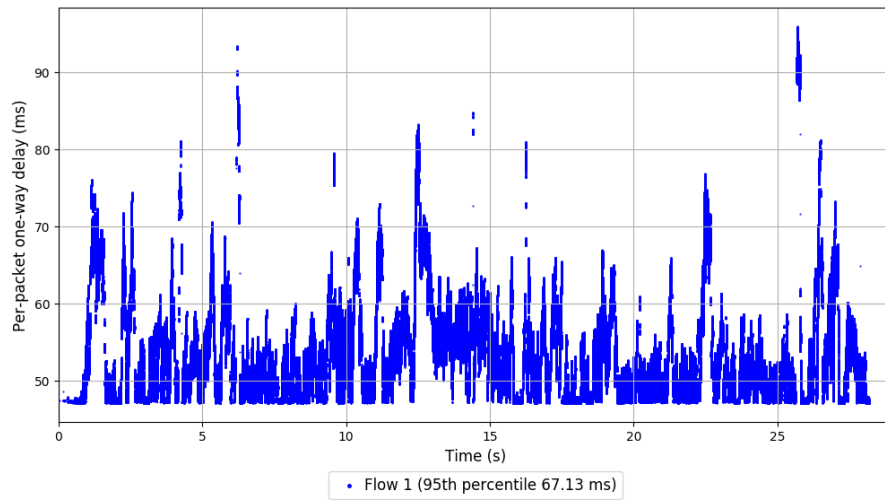
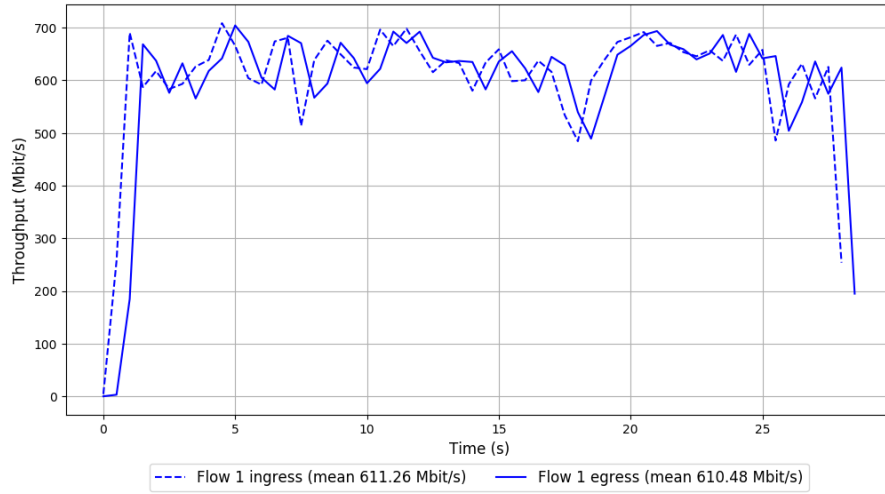


Run 1: Statistics of Indigo-MusesC5

Start at: 2019-05-30 14:44:59
End at: 2019-05-30 14:45:29
Local clock offset: -0.164 ms
Remote clock offset: -0.089 ms

Below is generated by plot.py at 2019-05-30 18:04:59
Datalink statistics
-- Total of 1 flow:
Average throughput: 610.48 Mbit/s
95th percentile per-packet one-way delay: 67.132 ms
Loss rate: 0.47%
-- Flow 1:
Average throughput: 610.48 Mbit/s
95th percentile per-packet one-way delay: 67.132 ms
Loss rate: 0.47%

Run 1: Report of Indigo-MusesC5 — Data Link



Run 2: Statistics of Indigo-MusesC5

Start at: 2019-05-30 15:15:19

End at: 2019-05-30 15:15:49

Local clock offset: -0.217 ms

Remote clock offset: 0.058 ms

Below is generated by plot.py at 2019-05-30 18:04:59

Datalink statistics

-- Total of 1 flow:

Average throughput: 575.63 Mbit/s

95th percentile per-packet one-way delay: 67.321 ms

Loss rate: 0.38%

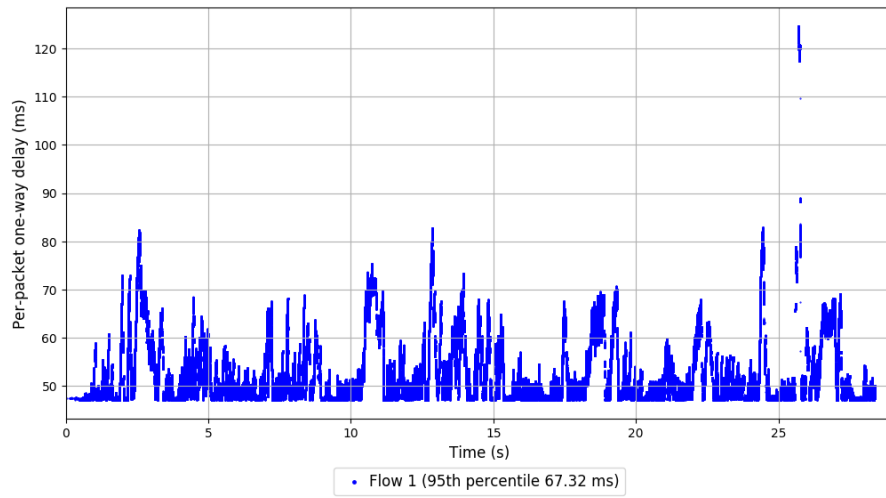
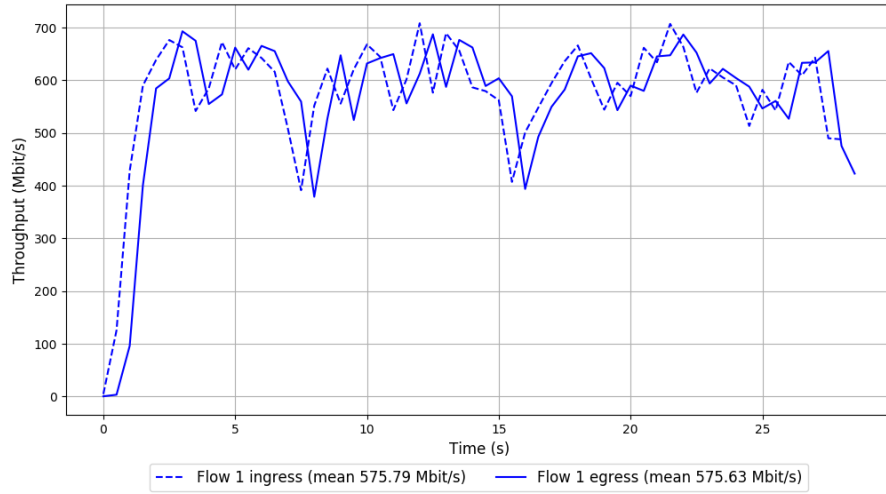
-- Flow 1:

Average throughput: 575.63 Mbit/s

95th percentile per-packet one-way delay: 67.321 ms

Loss rate: 0.38%

Run 2: Report of Indigo-MusesC5 — Data Link

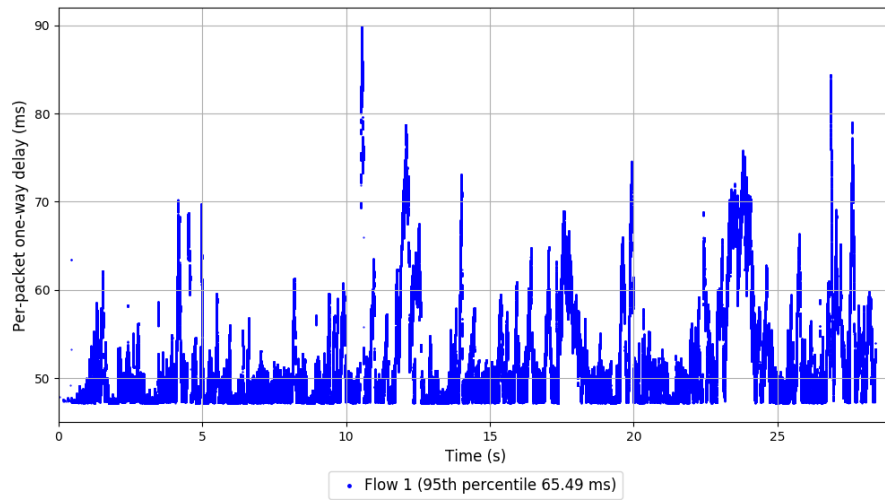
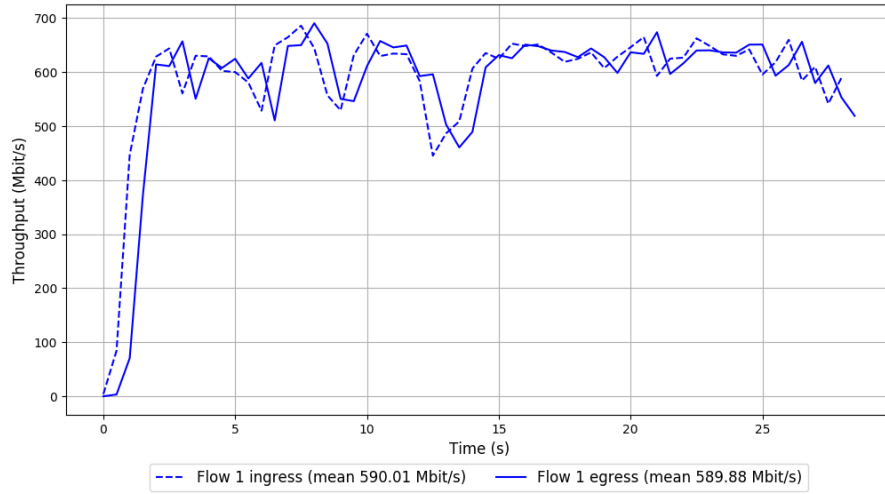


Run 3: Statistics of Indigo-MusesC5

Start at: 2019-05-30 15:45:11
End at: 2019-05-30 15:45:41
Local clock offset: -0.035 ms
Remote clock offset: -0.085 ms

Below is generated by plot.py at 2019-05-30 18:10:04
Datalink statistics
-- Total of 1 flow:
Average throughput: 589.88 Mbit/s
95th percentile per-packet one-way delay: 65.493 ms
Loss rate: 0.39%
-- Flow 1:
Average throughput: 589.88 Mbit/s
95th percentile per-packet one-way delay: 65.493 ms
Loss rate: 0.39%

Run 3: Report of Indigo-MusesC5 — Data Link

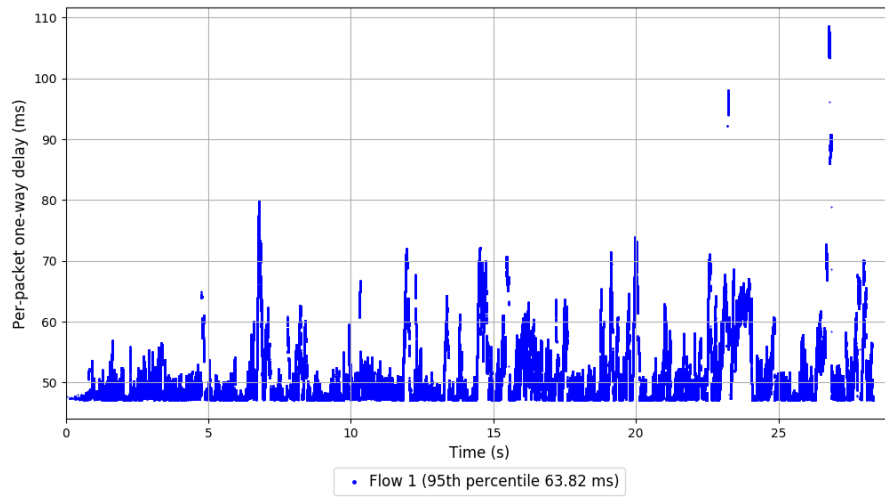
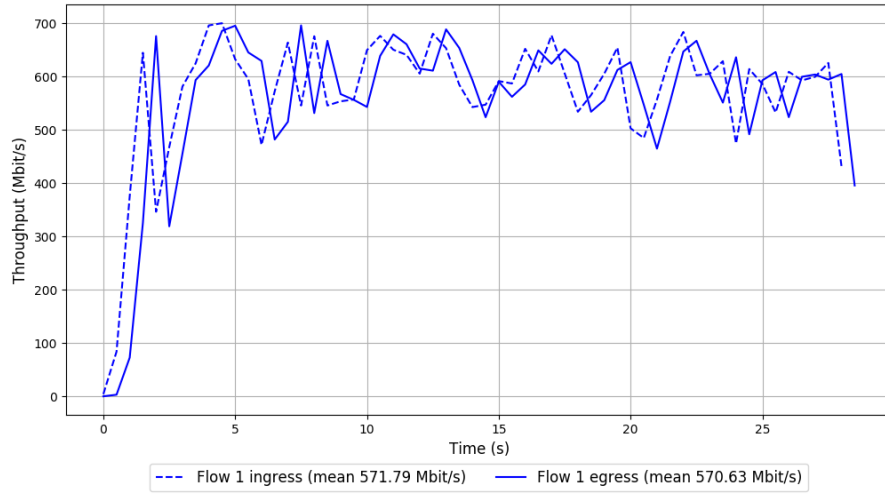


Run 4: Statistics of Indigo-MusesC5

Start at: 2019-05-30 16:15:15
End at: 2019-05-30 16:15:45
Local clock offset: -0.107 ms
Remote clock offset: -0.121 ms

Below is generated by plot.py at 2019-05-30 18:12:29
Datalink statistics
-- Total of 1 flow:
Average throughput: 570.63 Mbit/s
95th percentile per-packet one-way delay: 63.816 ms
Loss rate: 0.53%
-- Flow 1:
Average throughput: 570.63 Mbit/s
95th percentile per-packet one-way delay: 63.816 ms
Loss rate: 0.53%

Run 4: Report of Indigo-MusesC5 — Data Link

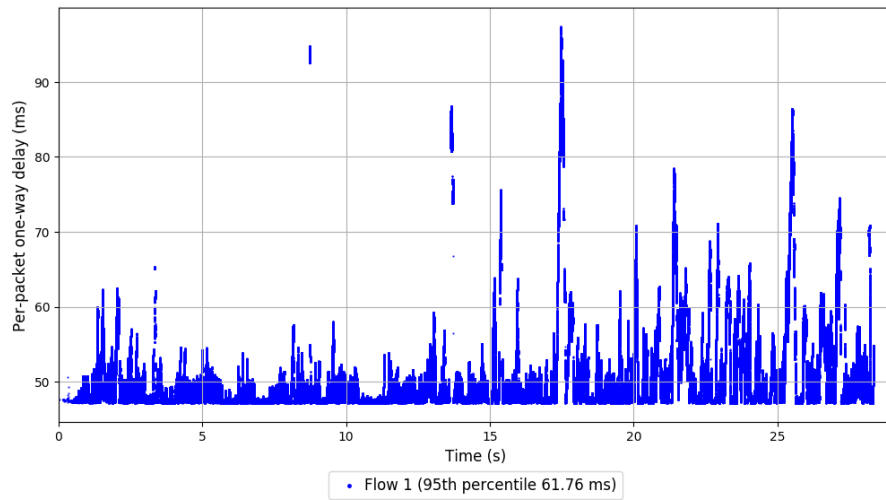
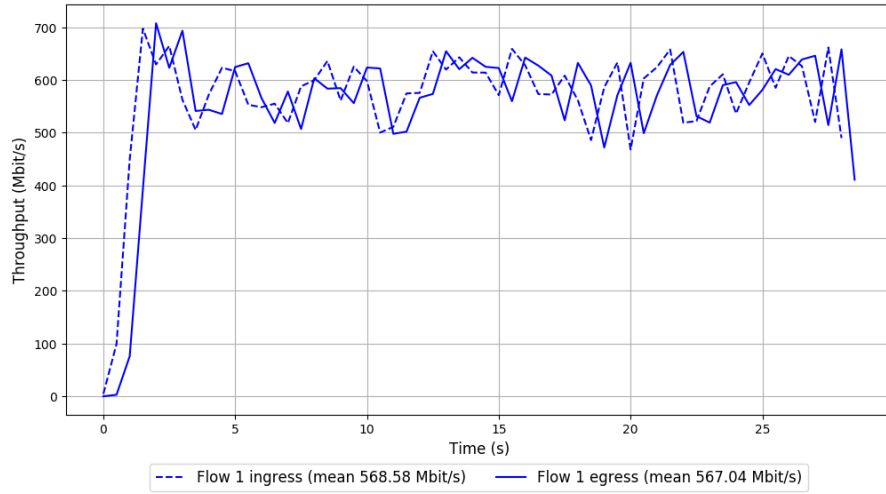


Run 5: Statistics of Indigo-MusesC5

Start at: 2019-05-30 16:45:00
End at: 2019-05-30 16:45:30
Local clock offset: -0.137 ms
Remote clock offset: -0.075 ms

Below is generated by plot.py at 2019-05-30 18:12:29
Datalink statistics
-- Total of 1 flow:
Average throughput: 567.04 Mbit/s
95th percentile per-packet one-way delay: 61.759 ms
Loss rate: 0.61%
-- Flow 1:
Average throughput: 567.04 Mbit/s
95th percentile per-packet one-way delay: 61.759 ms
Loss rate: 0.61%

Run 5: Report of Indigo-MusesC5 — Data Link



Run 1: Statistics of Indigo-MusesD

Start at: 2019-05-30 14:38:25
End at: 2019-05-30 14:38:55
Local clock offset: -0.158 ms
Remote clock offset: -0.173 ms

Below is generated by plot.py at 2019-05-30 18:12:29

Datalink statistics

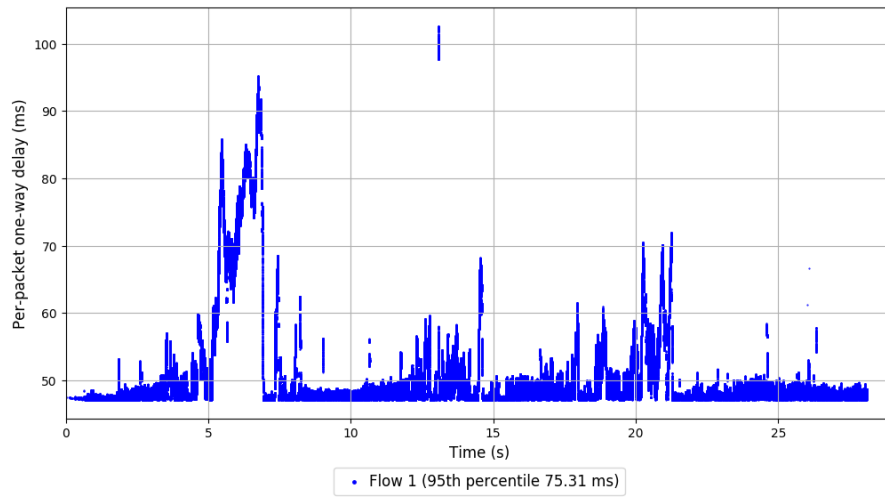
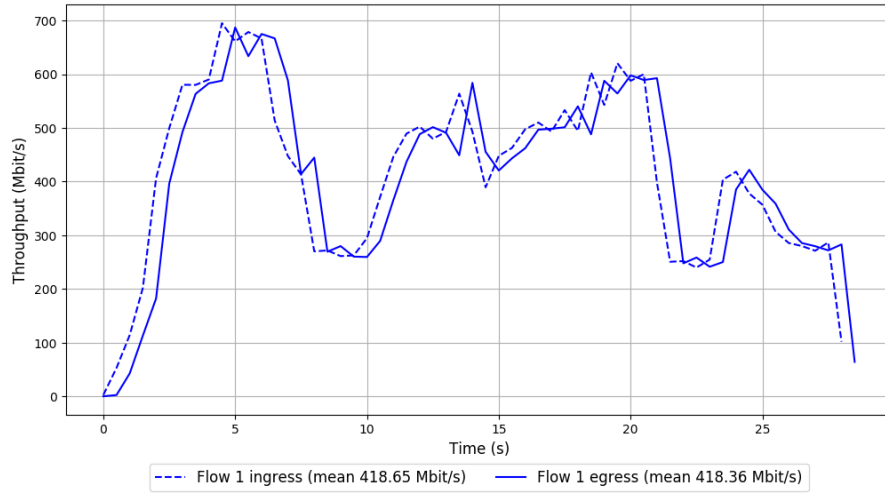
-- Total of 1 flow:

Average throughput: 418.36 Mbit/s
95th percentile per-packet one-way delay: 75.310 ms
Loss rate: 0.41%

-- Flow 1:

Average throughput: 418.36 Mbit/s
95th percentile per-packet one-way delay: 75.310 ms
Loss rate: 0.41%

Run 1: Report of Indigo-MusesD — Data Link



Run 2: Statistics of Indigo-MusesD

Start at: 2019-05-30 15:08:24

End at: 2019-05-30 15:08:54

Local clock offset: -0.174 ms

Remote clock offset: 0.039 ms

Below is generated by plot.py at 2019-05-30 18:12:48

Datalink statistics

-- Total of 1 flow:

Average throughput: 521.87 Mbit/s

95th percentile per-packet one-way delay: 82.058 ms

Loss rate: 0.43%

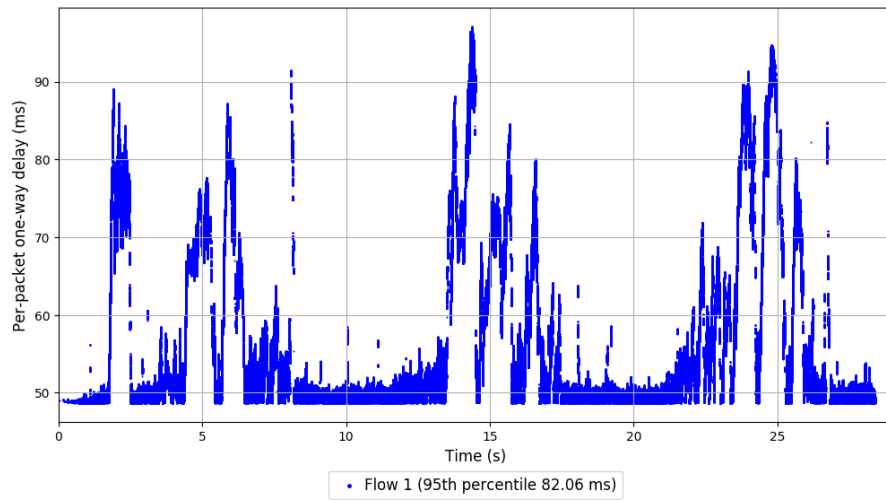
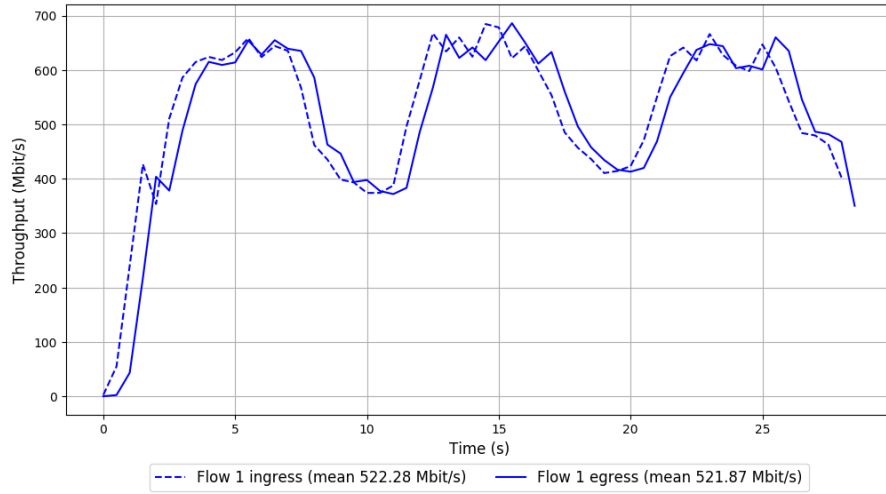
-- Flow 1:

Average throughput: 521.87 Mbit/s

95th percentile per-packet one-way delay: 82.058 ms

Loss rate: 0.43%

Run 2: Report of Indigo-MusesD — Data Link



Run 3: Statistics of Indigo-MusesD

Start at: 2019-05-30 15:38:41

End at: 2019-05-30 15:39:11

Local clock offset: -0.065 ms

Remote clock offset: -0.07 ms

Below is generated by plot.py at 2019-05-30 18:12:48

Datalink statistics

-- Total of 1 flow:

Average throughput: 131.00 Mbit/s

95th percentile per-packet one-way delay: 49.900 ms

Loss rate: 0.37%

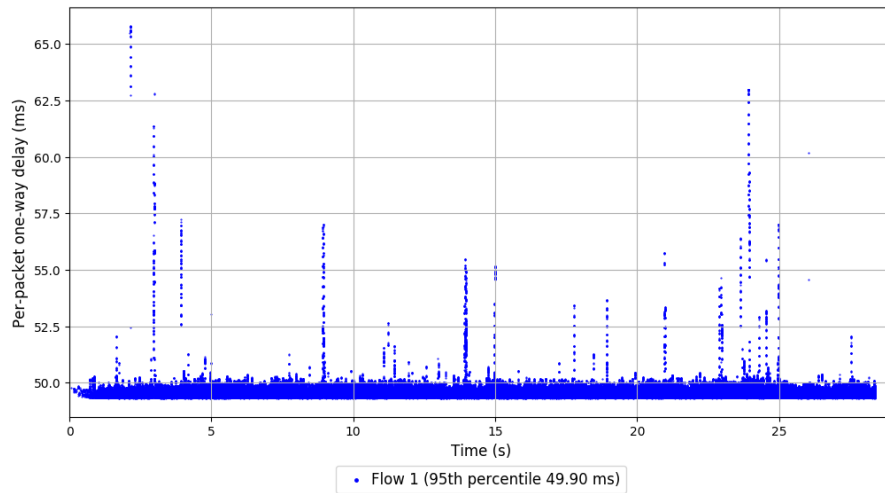
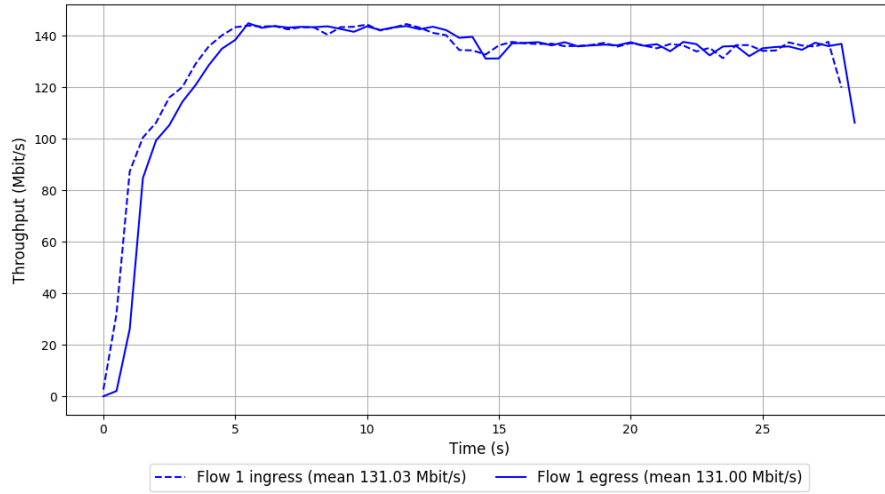
-- Flow 1:

Average throughput: 131.00 Mbit/s

95th percentile per-packet one-way delay: 49.900 ms

Loss rate: 0.37%

Run 3: Report of Indigo-MusesD — Data Link

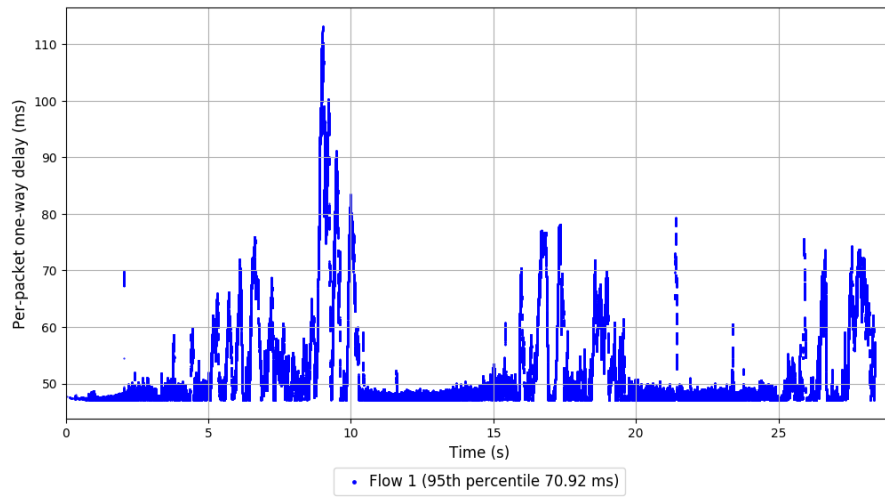
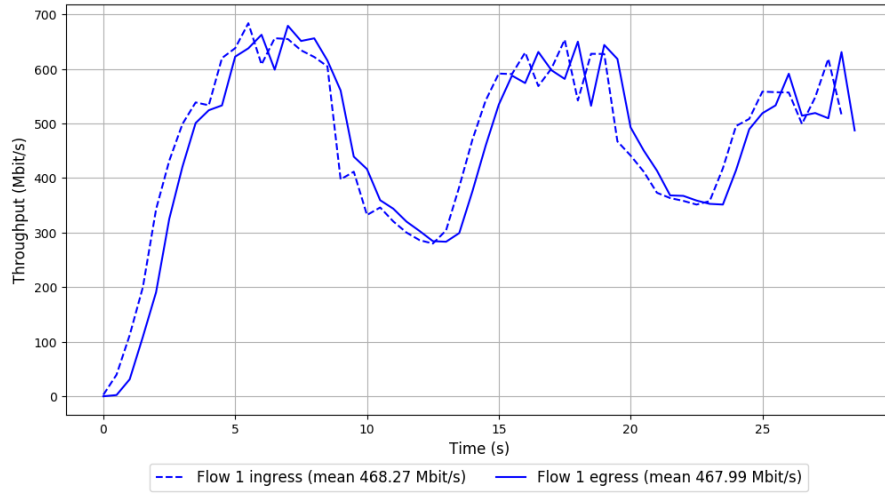


Run 4: Statistics of Indigo-MusesD

Start at: 2019-05-30 16:08:36
End at: 2019-05-30 16:09:06
Local clock offset: -0.095 ms
Remote clock offset: -0.107 ms

Below is generated by plot.py at 2019-05-30 18:13:08
Datalink statistics
-- Total of 1 flow:
Average throughput: 467.99 Mbit/s
95th percentile per-packet one-way delay: 70.917 ms
Loss rate: 0.41%
-- Flow 1:
Average throughput: 467.99 Mbit/s
95th percentile per-packet one-way delay: 70.917 ms
Loss rate: 0.41%

Run 4: Report of Indigo-MusesD — Data Link

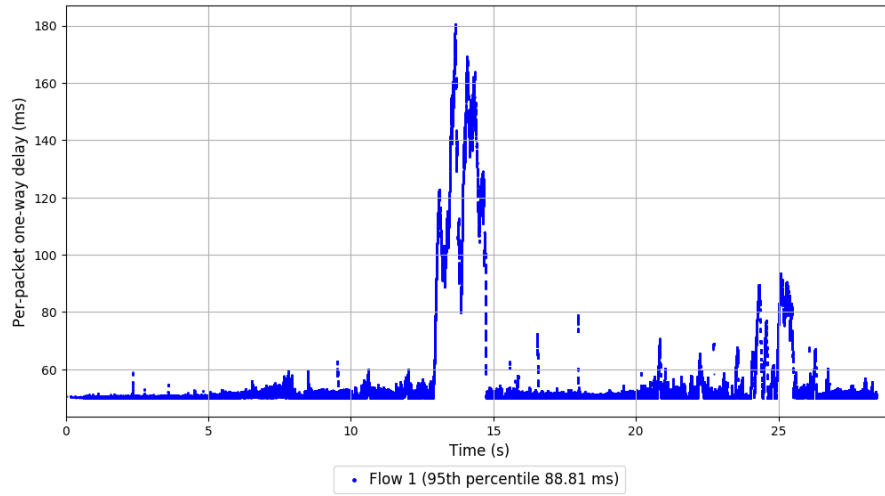
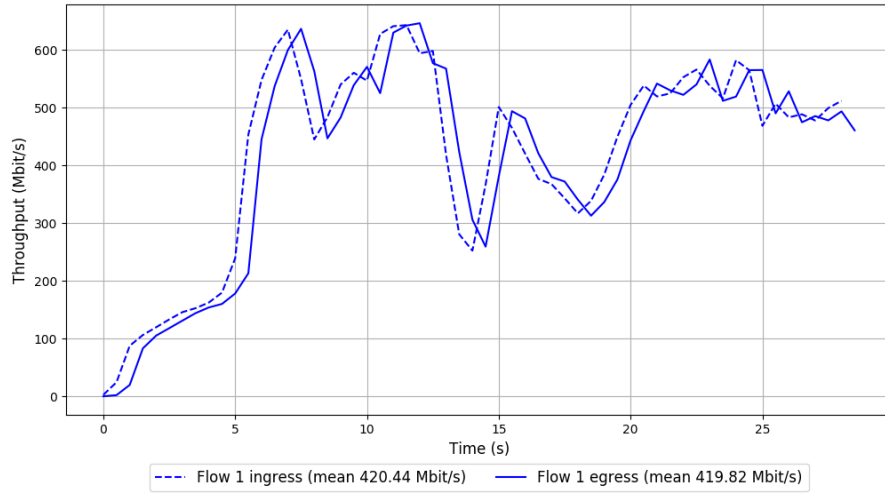


Run 5: Statistics of Indigo-MusesD

Start at: 2019-05-30 16:38:21
End at: 2019-05-30 16:38:51
Local clock offset: -0.128 ms
Remote clock offset: -0.024 ms

Below is generated by plot.py at 2019-05-30 18:13:08
Datalink statistics
-- Total of 1 flow:
Average throughput: 419.82 Mbit/s
95th percentile per-packet one-way delay: 88.814 ms
Loss rate: 0.50%
-- Flow 1:
Average throughput: 419.82 Mbit/s
95th percentile per-packet one-way delay: 88.814 ms
Loss rate: 0.50%

Run 5: Report of Indigo-MusesD — Data Link



Run 1: Statistics of Indigo-MuseST

Start at: 2019-05-30 14:46:34

End at: 2019-05-30 14:47:05

Local clock offset: -0.18 ms

Remote clock offset: -0.033 ms

Below is generated by plot.py at 2019-05-30 18:17:17

Datalink statistics

-- Total of 1 flow:

Average throughput: 569.38 Mbit/s

95th percentile per-packet one-way delay: 93.749 ms

Loss rate: 0.29%

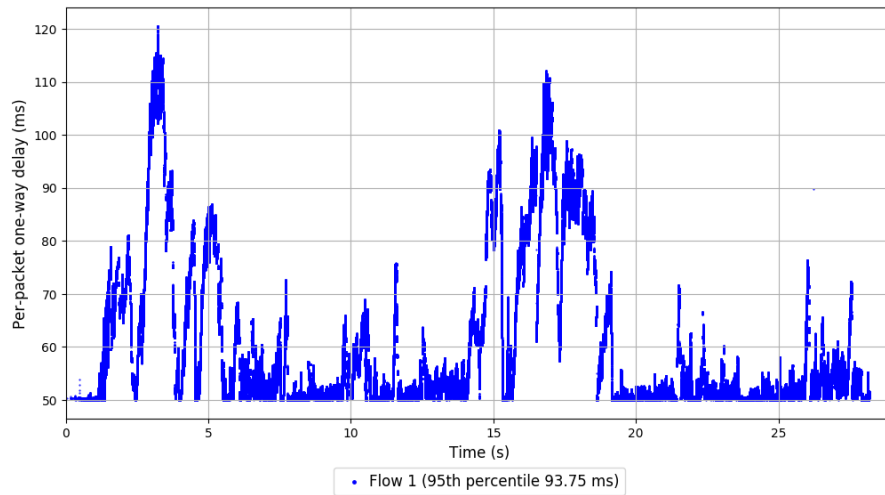
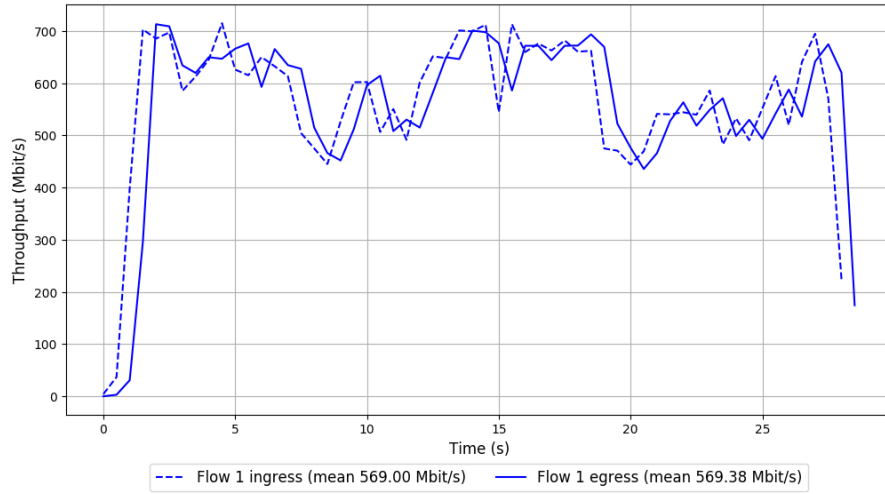
-- Flow 1:

Average throughput: 569.38 Mbit/s

95th percentile per-packet one-way delay: 93.749 ms

Loss rate: 0.29%

Run 1: Report of Indigo-MusesT — Data Link



Run 2: Statistics of Indigo-MuseST

Start at: 2019-05-30 15:16:53

End at: 2019-05-30 15:17:23

Local clock offset: 0.209 ms

Remote clock offset: 0.003 ms

Below is generated by plot.py at 2019-05-30 18:20:13

Datalink statistics

-- Total of 1 flow:

Average throughput: 556.36 Mbit/s

95th percentile per-packet one-way delay: 70.891 ms

Loss rate: 0.57%

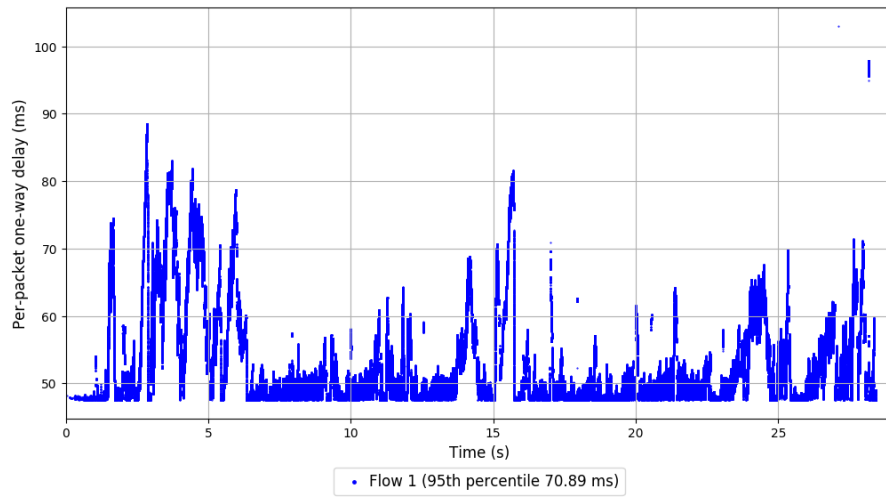
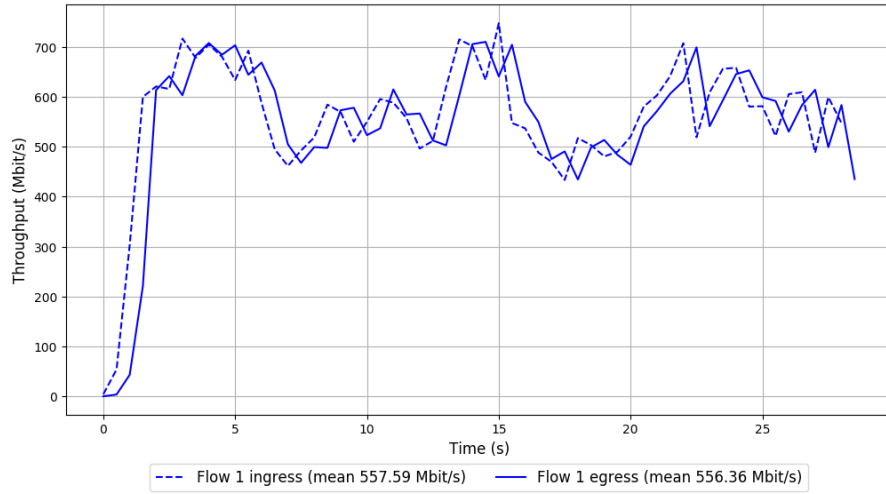
-- Flow 1:

Average throughput: 556.36 Mbit/s

95th percentile per-packet one-way delay: 70.891 ms

Loss rate: 0.57%

Run 2: Report of Indigo-MusesT — Data Link

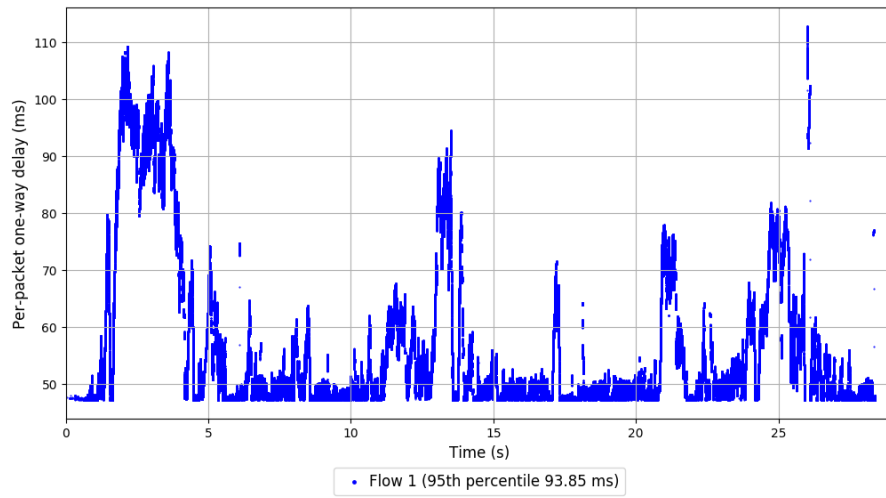
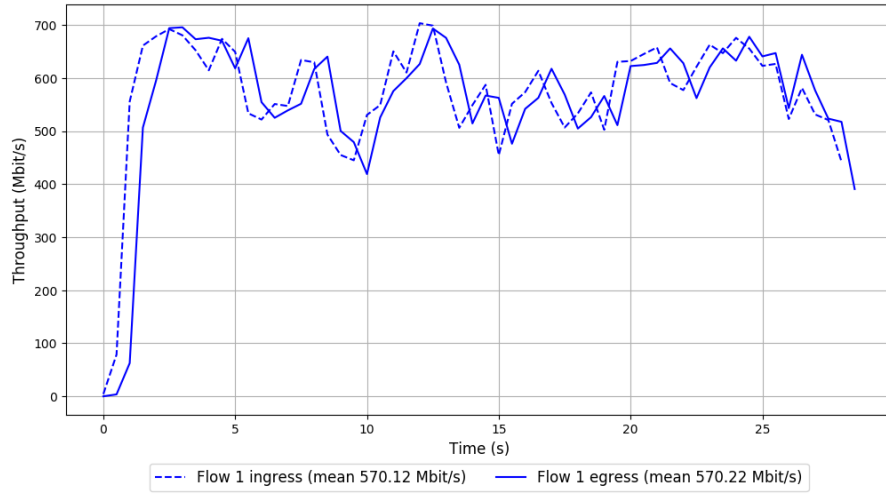


Run 3: Statistics of Indigo-MuseST

Start at: 2019-05-30 15:46:45
End at: 2019-05-30 15:47:15
Local clock offset: -0.031 ms
Remote clock offset: -0.083 ms

Below is generated by plot.py at 2019-05-30 18:20:29
Datalink statistics
-- Total of 1 flow:
Average throughput: 570.22 Mbit/s
95th percentile per-packet one-way delay: 93.847 ms
Loss rate: 0.32%
-- Flow 1:
Average throughput: 570.22 Mbit/s
95th percentile per-packet one-way delay: 93.847 ms
Loss rate: 0.32%

Run 3: Report of Indigo-MusesT — Data Link

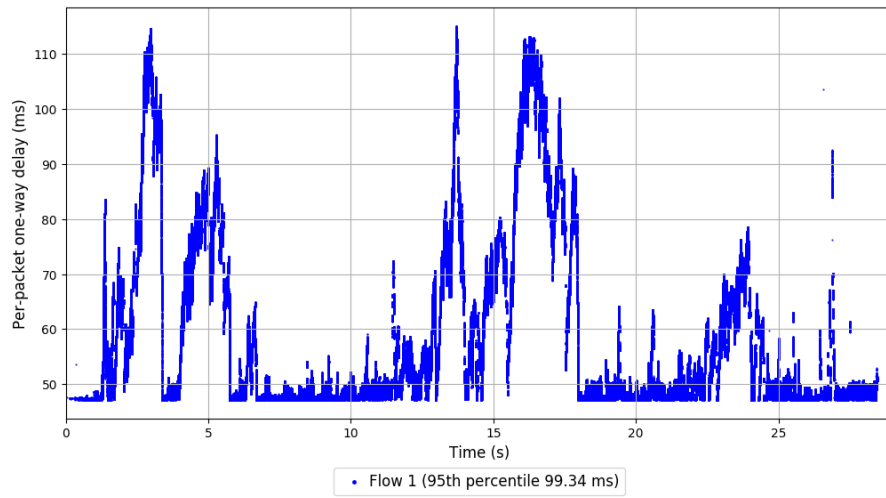
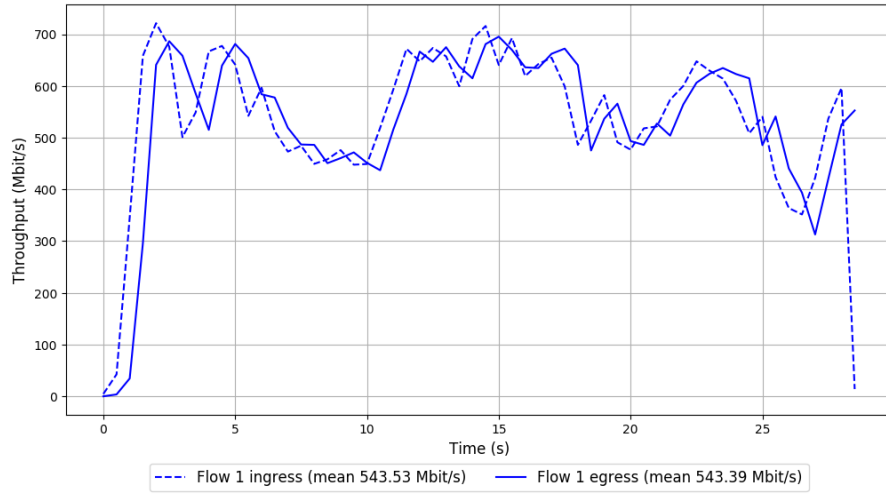


Run 4: Statistics of Indigo-MuseST

Start at: 2019-05-30 16:16:49
End at: 2019-05-30 16:17:19
Local clock offset: -0.104 ms
Remote clock offset: -0.218 ms

Below is generated by plot.py at 2019-05-30 18:21:50
Datalink statistics
-- Total of 1 flow:
Average throughput: 543.39 Mbit/s
95th percentile per-packet one-way delay: 99.336 ms
Loss rate: 0.36%
-- Flow 1:
Average throughput: 543.39 Mbit/s
95th percentile per-packet one-way delay: 99.336 ms
Loss rate: 0.36%

Run 4: Report of Indigo-MusesT — Data Link



Run 5: Statistics of Indigo-MuseST

Start at: 2019-05-30 16:46:33

End at: 2019-05-30 16:47:03

Local clock offset: -0.147 ms

Remote clock offset: -0.062 ms

Below is generated by plot.py at 2019-05-30 18:21:50

Datalink statistics

-- Total of 1 flow:

Average throughput: 541.40 Mbit/s

95th percentile per-packet one-way delay: 65.944 ms

Loss rate: 0.36%

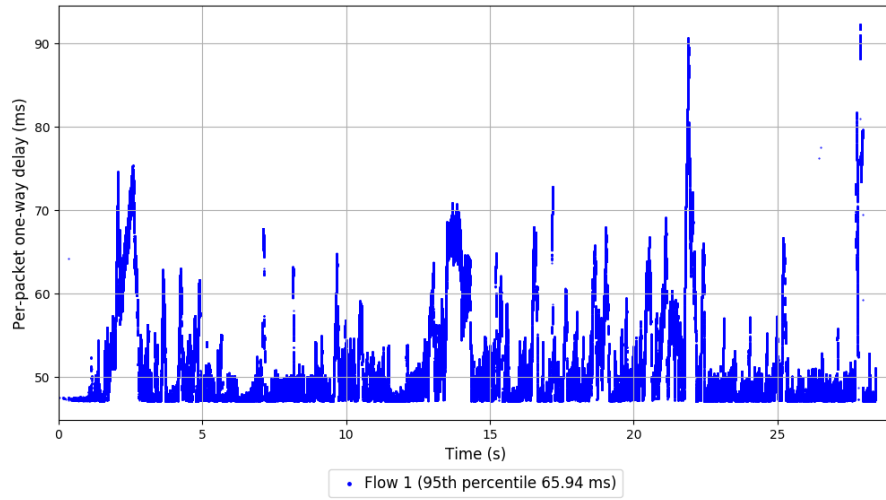
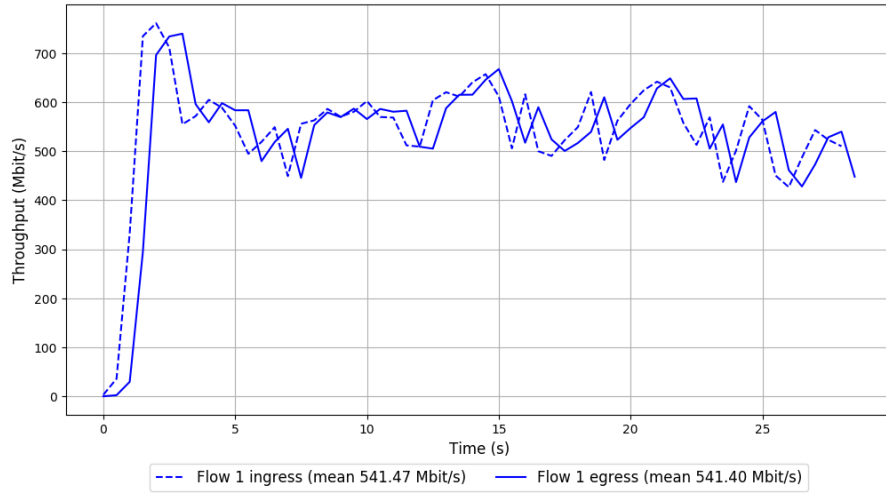
-- Flow 1:

Average throughput: 541.40 Mbit/s

95th percentile per-packet one-way delay: 65.944 ms

Loss rate: 0.36%

Run 5: Report of Indigo-MusesT — Data Link

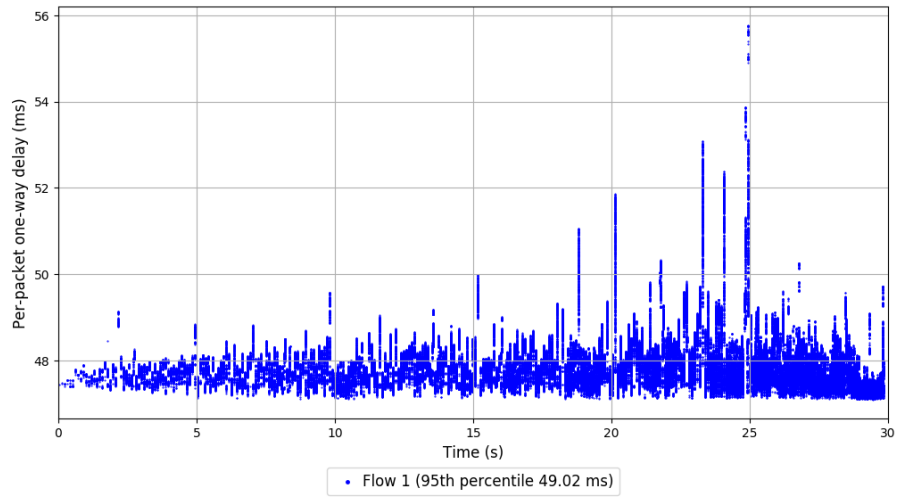
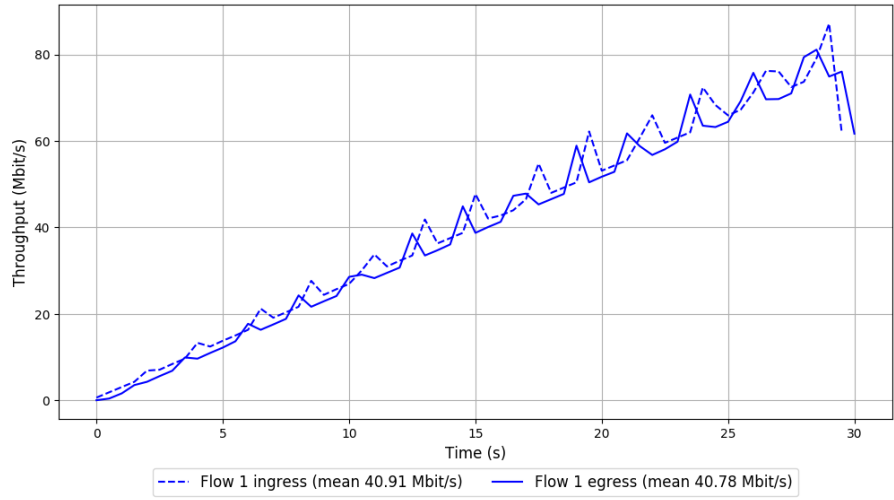


Run 1: Statistics of LEDBAT

Start at: 2019-05-30 14:48:08
End at: 2019-05-30 14:48:38
Local clock offset: -0.188 ms
Remote clock offset: -0.049 ms

Below is generated by plot.py at 2019-05-30 18:21:50
Datalink statistics
-- Total of 1 flow:
Average throughput: 40.78 Mbit/s
95th percentile per-packet one-way delay: 49.019 ms
Loss rate: 0.64%
-- Flow 1:
Average throughput: 40.78 Mbit/s
95th percentile per-packet one-way delay: 49.019 ms
Loss rate: 0.64%

Run 1: Report of LEDBAT — Data Link



Run 2: Statistics of LEDBAT

Start at: 2019-05-30 15:18:27

End at: 2019-05-30 15:18:57

Local clock offset: -0.154 ms

Remote clock offset: 0.042 ms

Below is generated by plot.py at 2019-05-30 18:21:50

Datalink statistics

-- Total of 1 flow:

Average throughput: 39.57 Mbit/s

95th percentile per-packet one-way delay: 50.265 ms

Loss rate: 0.64%

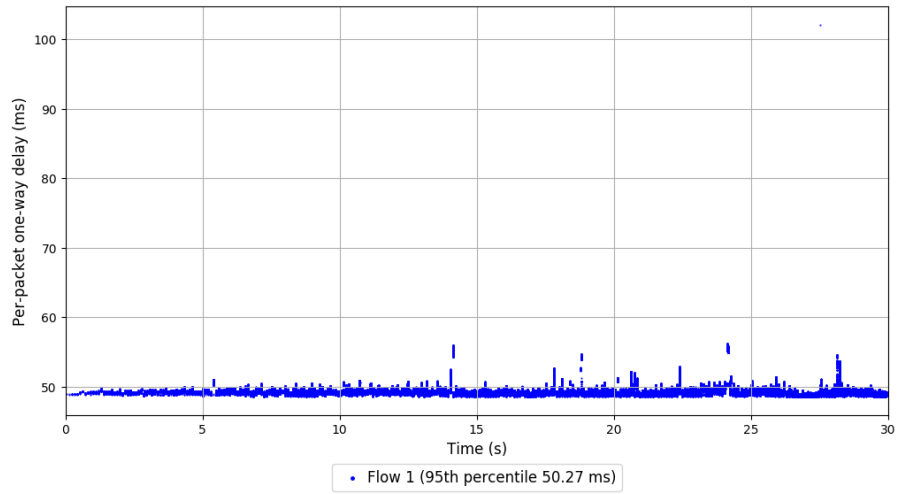
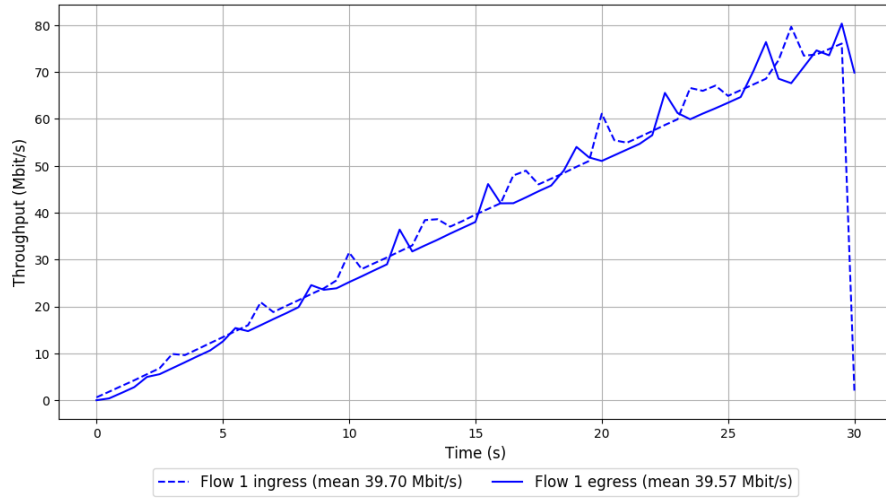
-- Flow 1:

Average throughput: 39.57 Mbit/s

95th percentile per-packet one-way delay: 50.265 ms

Loss rate: 0.64%

Run 2: Report of LEDBAT — Data Link

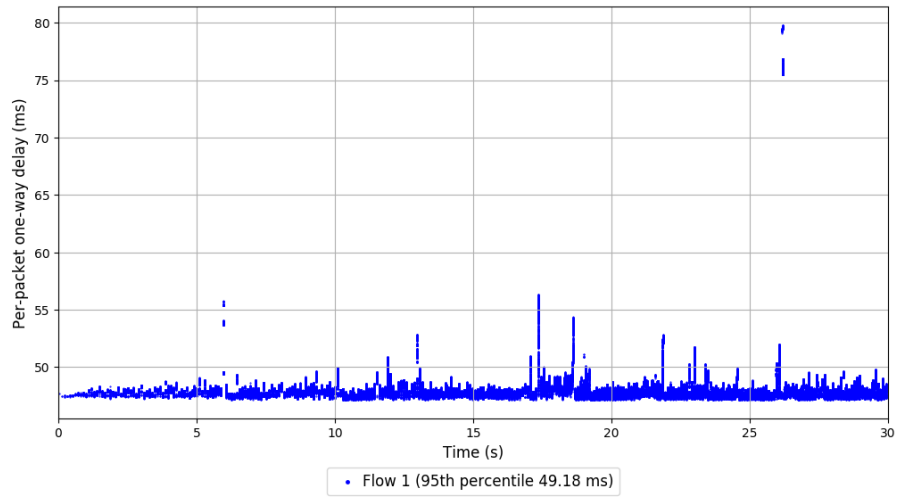
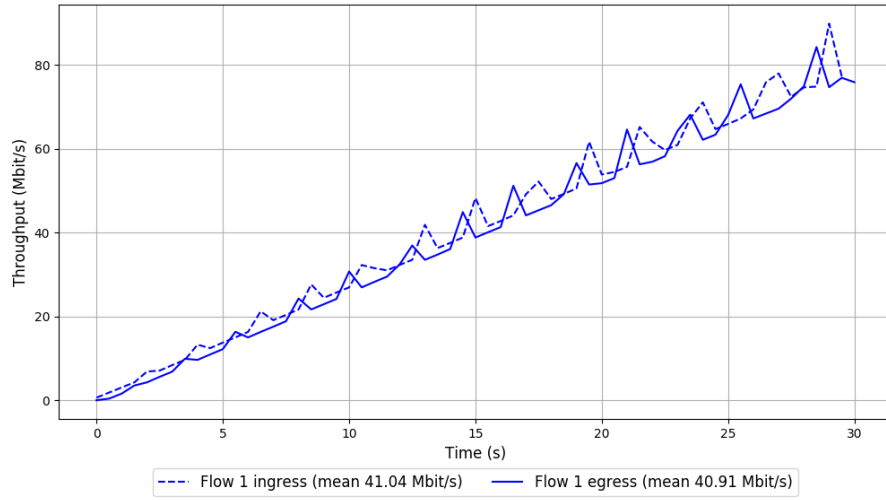


Run 3: Statistics of LEDBAT

Start at: 2019-05-30 15:48:19
End at: 2019-05-30 15:48:49
Local clock offset: -0.012 ms
Remote clock offset: -0.027 ms

Below is generated by plot.py at 2019-05-30 18:21:50
Datalink statistics
-- Total of 1 flow:
Average throughput: 40.91 Mbit/s
95th percentile per-packet one-way delay: 49.184 ms
Loss rate: 0.63%
-- Flow 1:
Average throughput: 40.91 Mbit/s
95th percentile per-packet one-way delay: 49.184 ms
Loss rate: 0.63%

Run 3: Report of LEDBAT — Data Link

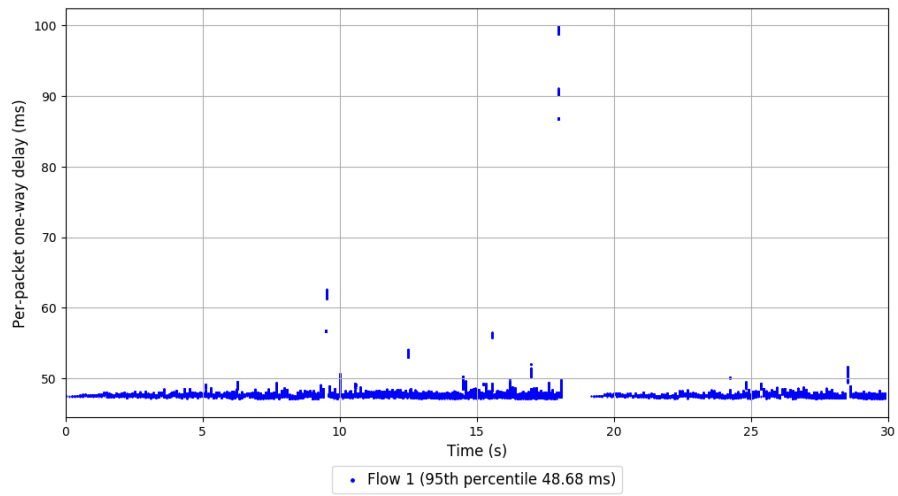
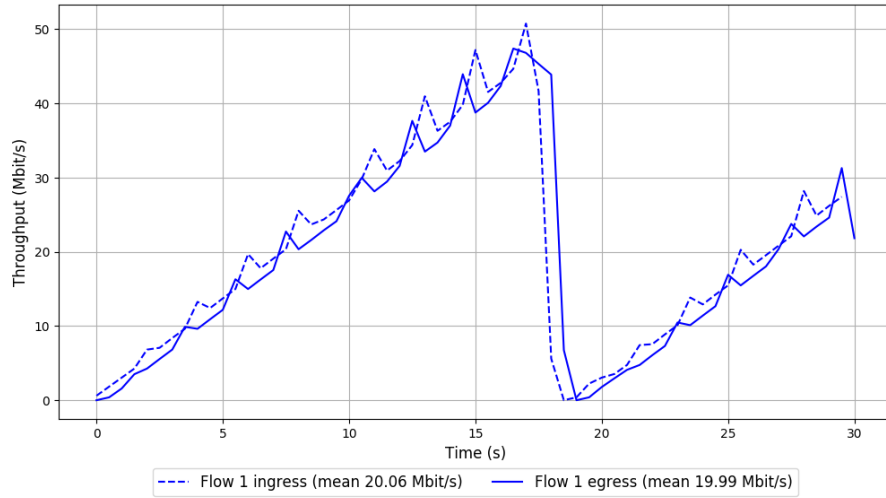


Run 4: Statistics of LEDBAT

Start at: 2019-05-30 16:18:22
End at: 2019-05-30 16:18:52
Local clock offset: -0.091 ms
Remote clock offset: -0.105 ms

```
# Below is generated by plot.py at 2019-05-30 18:21:50
# Datalink statistics
-- Total of 1 flow:
Average throughput: 19.99 Mbit/s
95th percentile per-packet one-way delay: 48.676 ms
Loss rate: 0.69%
-- Flow 1:
Average throughput: 19.99 Mbit/s
95th percentile per-packet one-way delay: 48.676 ms
Loss rate: 0.69%
```

Run 4: Report of LEDBAT — Data Link

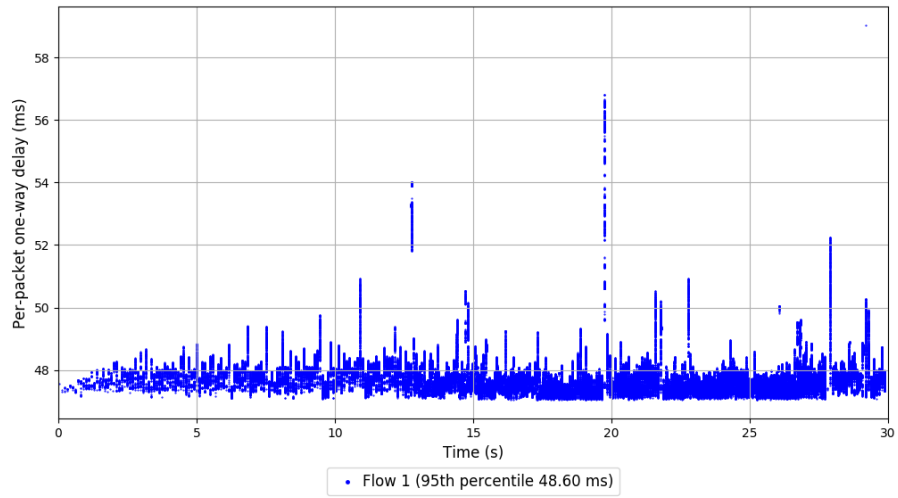
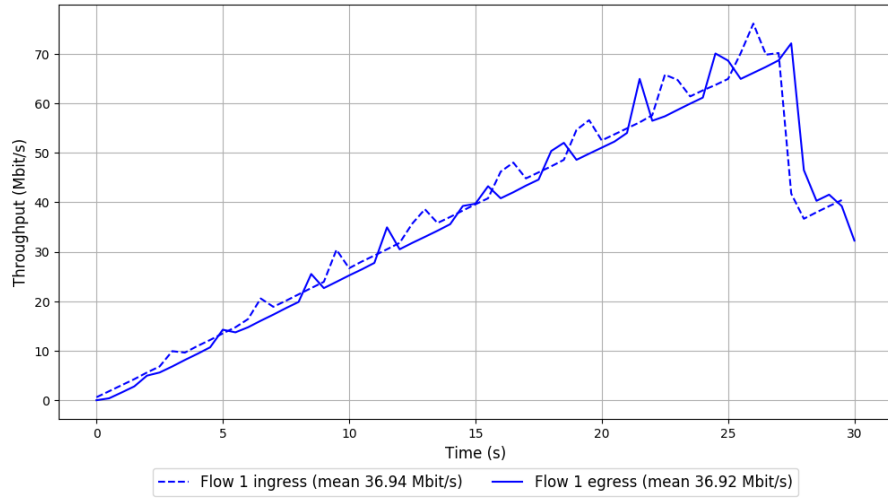


Run 5: Statistics of LEDBAT

Start at: 2019-05-30 16:48:05
End at: 2019-05-30 16:48:35
Local clock offset: -0.119 ms
Remote clock offset: -0.052 ms

Below is generated by plot.py at 2019-05-30 18:21:50
Datalink statistics
-- Total of 1 flow:
Average throughput: 36.92 Mbit/s
95th percentile per-packet one-way delay: 48.599 ms
Loss rate: 0.37%
-- Flow 1:
Average throughput: 36.92 Mbit/s
95th percentile per-packet one-way delay: 48.599 ms
Loss rate: 0.37%

Run 5: Report of LEDBAT — Data Link

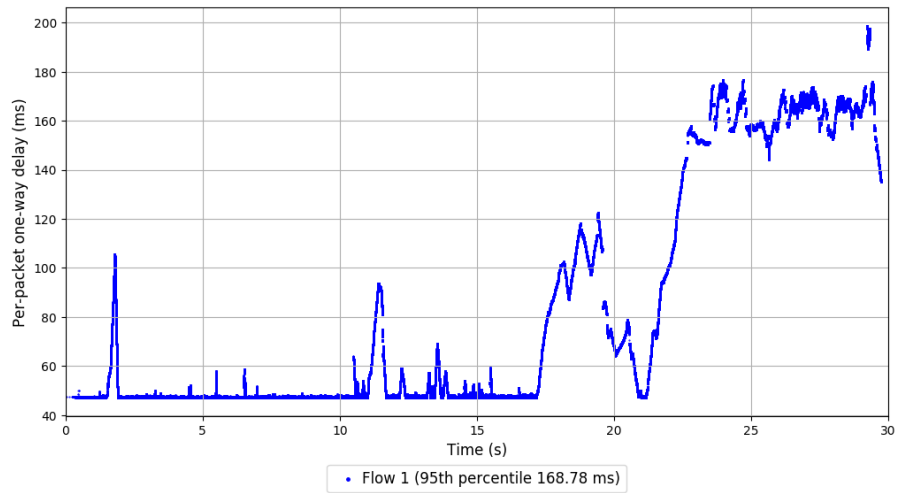
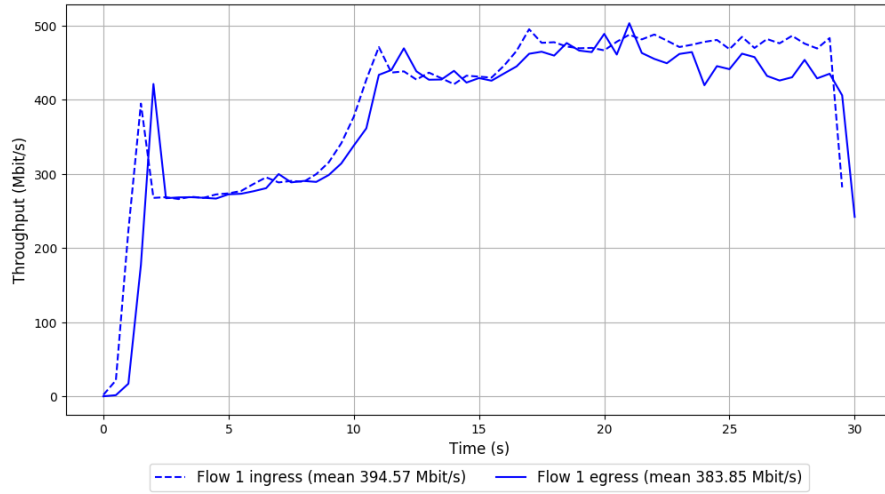


Run 1: Statistics of PCC-Allegro

Start at: 2019-05-30 14:33:11
End at: 2019-05-30 14:33:41
Local clock offset: -0.137 ms
Remote clock offset: -0.112 ms

Below is generated by plot.py at 2019-05-30 18:28:43
Datalink statistics
-- Total of 1 flow:
Average throughput: 383.85 Mbit/s
95th percentile per-packet one-way delay: 168.777 ms
Loss rate: 3.03%
-- Flow 1:
Average throughput: 383.85 Mbit/s
95th percentile per-packet one-way delay: 168.777 ms
Loss rate: 3.03%

Run 1: Report of PCC-Allegro — Data Link



Run 2: Statistics of PCC-Allegro

Start at: 2019-05-30 15:02:48

End at: 2019-05-30 15:03:18

Local clock offset: -0.244 ms

Remote clock offset: 0.059 ms

Below is generated by plot.py at 2019-05-30 18:28:43

Datalink statistics

-- Total of 1 flow:

Average throughput: 361.22 Mbit/s

95th percentile per-packet one-way delay: 66.555 ms

Loss rate: 0.45%

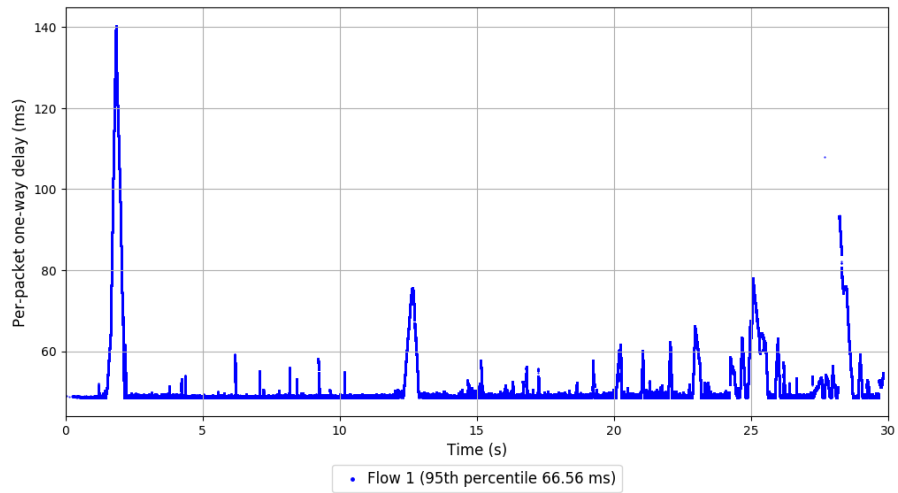
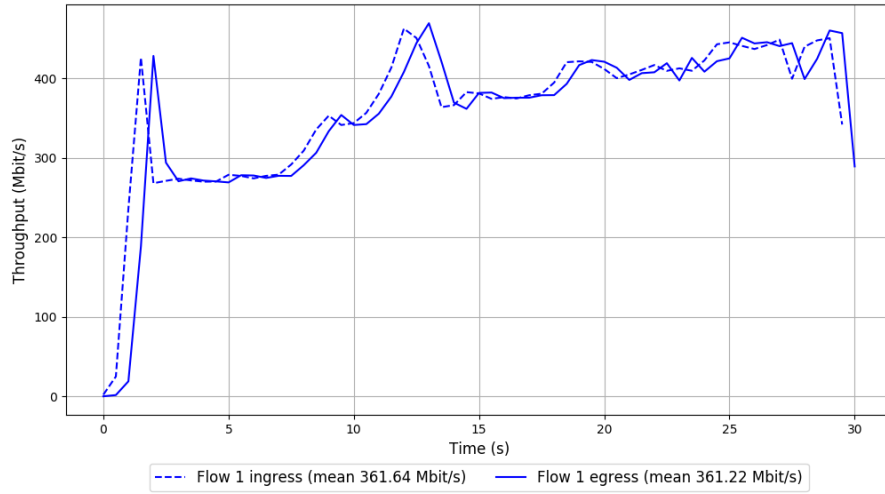
-- Flow 1:

Average throughput: 361.22 Mbit/s

95th percentile per-packet one-way delay: 66.555 ms

Loss rate: 0.45%

Run 2: Report of PCC-Allegro — Data Link



Run 3: Statistics of PCC-Allegro

Start at: 2019-05-30 15:33:08

End at: 2019-05-30 15:33:38

Local clock offset: -0.057 ms

Remote clock offset: -0.047 ms

Below is generated by plot.py at 2019-05-30 18:30:59

Datalink statistics

-- Total of 1 flow:

Average throughput: 387.76 Mbit/s

95th percentile per-packet one-way delay: 100.105 ms

Loss rate: 0.43%

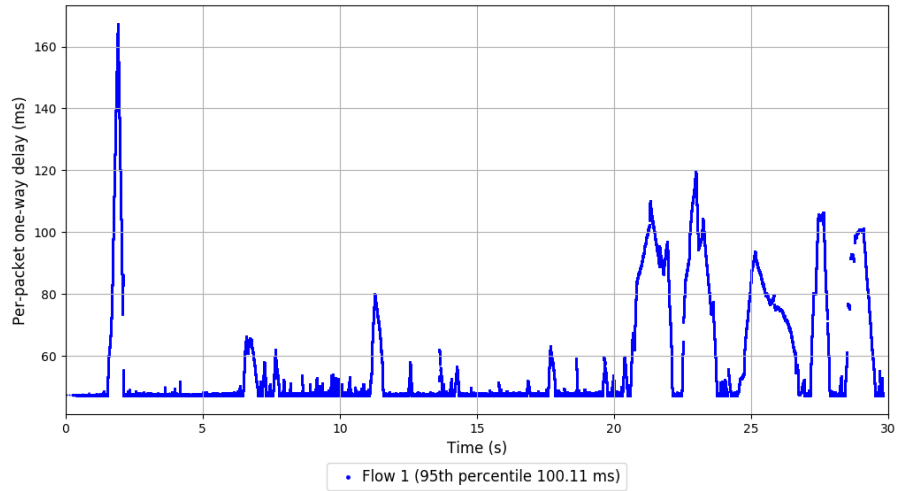
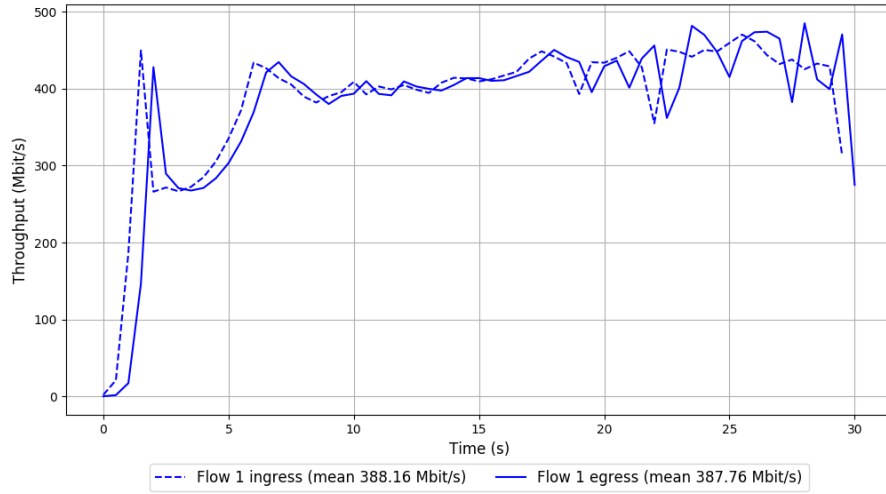
-- Flow 1:

Average throughput: 387.76 Mbit/s

95th percentile per-packet one-way delay: 100.105 ms

Loss rate: 0.43%

Run 3: Report of PCC-Allegro — Data Link



Run 4: Statistics of PCC-Allegro

Start at: 2019-05-30 16:03:13

End at: 2019-05-30 16:03:43

Local clock offset: 0.32 ms

Remote clock offset: -0.12 ms

Below is generated by plot.py at 2019-05-30 18:31:31

Datalink statistics

-- Total of 1 flow:

Average throughput: 367.88 Mbit/s

95th percentile per-packet one-way delay: 58.837 ms

Loss rate: 0.39%

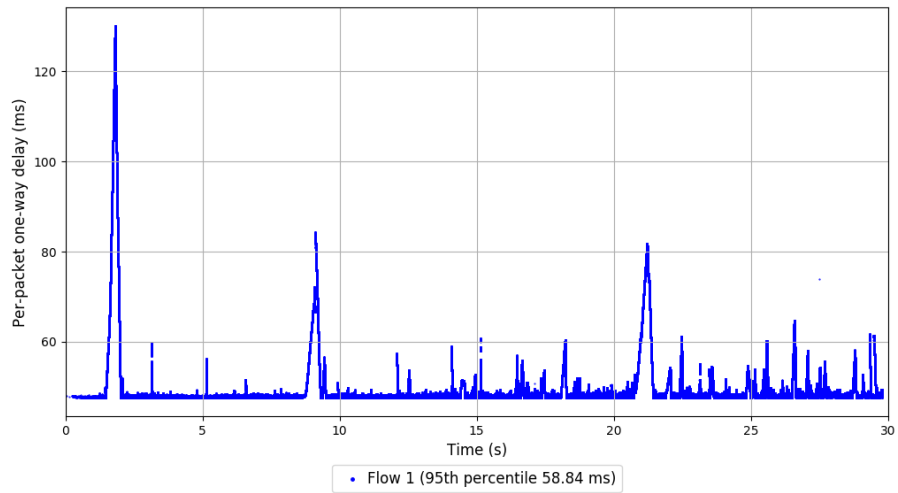
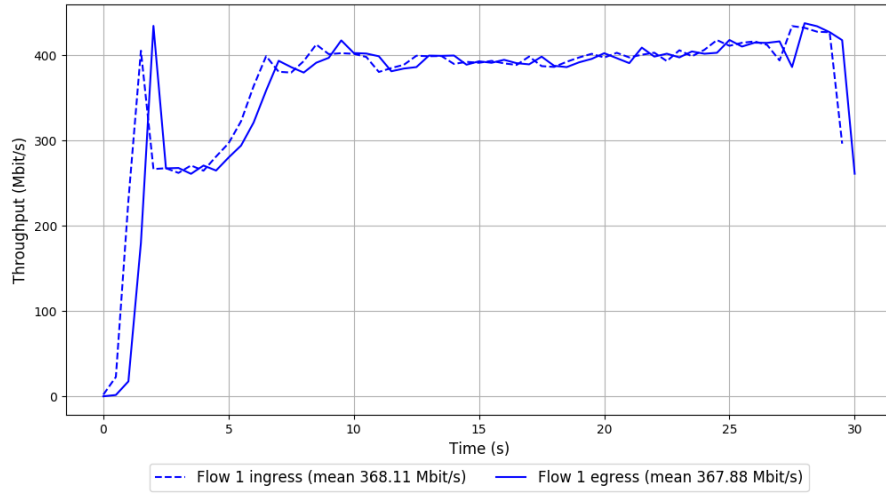
-- Flow 1:

Average throughput: 367.88 Mbit/s

95th percentile per-packet one-way delay: 58.837 ms

Loss rate: 0.39%

Run 4: Report of PCC-Allegro — Data Link



Run 5: Statistics of PCC-Allegro

Start at: 2019-05-30 16:32:54

End at: 2019-05-30 16:33:24

Local clock offset: -0.131 ms

Remote clock offset: -0.072 ms

Below is generated by plot.py at 2019-05-30 18:34:01

Datalink statistics

-- Total of 1 flow:

Average throughput: 371.44 Mbit/s

95th percentile per-packet one-way delay: 80.871 ms

Loss rate: 1.66%

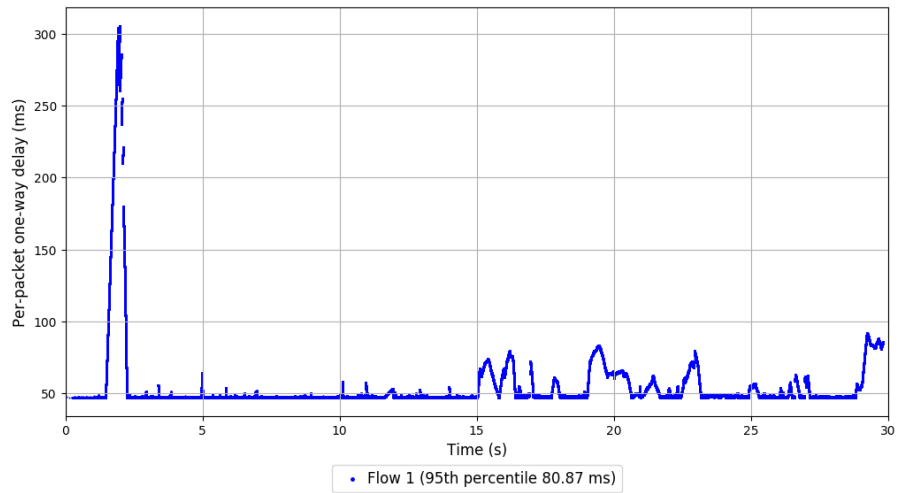
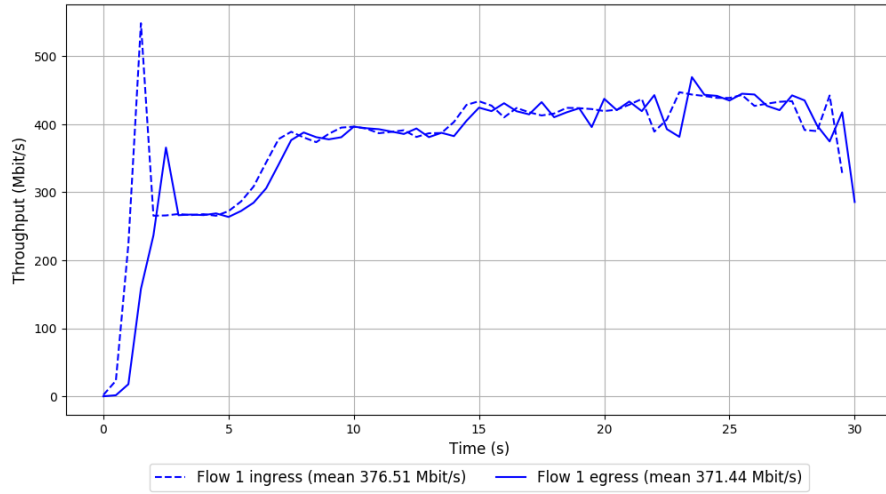
-- Flow 1:

Average throughput: 371.44 Mbit/s

95th percentile per-packet one-way delay: 80.871 ms

Loss rate: 1.66%

Run 5: Report of PCC-Allegro — Data Link



Run 1: Statistics of PCC-Expr

Start at: 2019-05-30 14:51:00

End at: 2019-05-30 14:51:30

Local clock offset: -0.192 ms

Remote clock offset: -0.06 ms

Below is generated by plot.py at 2019-05-30 18:34:01

Datalink statistics

-- Total of 1 flow:

Average throughput: 313.29 Mbit/s

95th percentile per-packet one-way delay: 158.570 ms

Loss rate: 1.98%

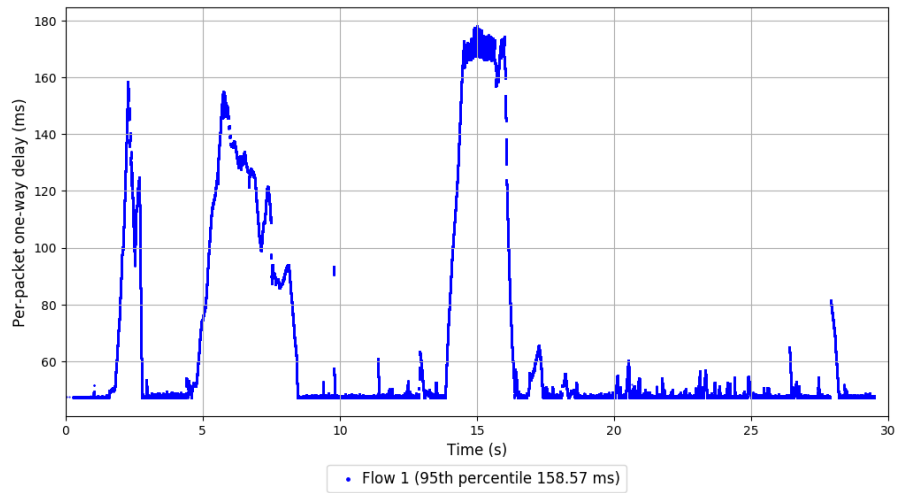
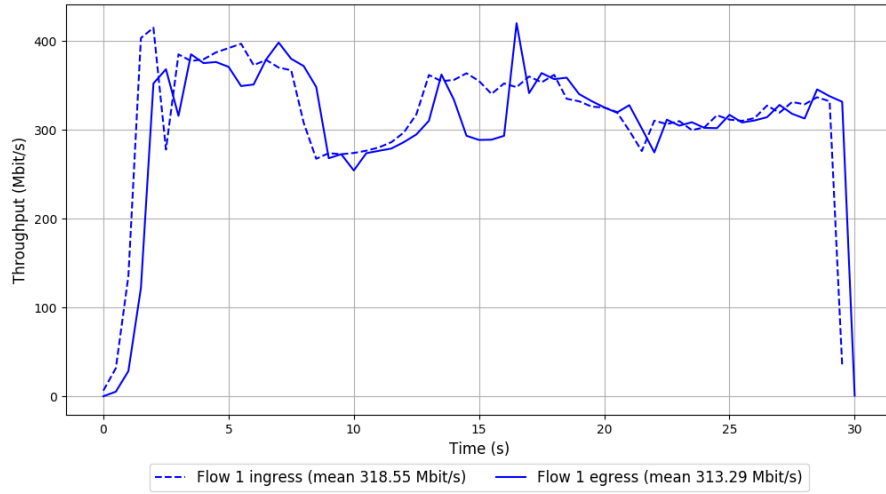
-- Flow 1:

Average throughput: 313.29 Mbit/s

95th percentile per-packet one-way delay: 158.570 ms

Loss rate: 1.98%

Run 1: Report of PCC-Expr — Data Link



Run 2: Statistics of PCC-Expr

Start at: 2019-05-30 15:21:20

End at: 2019-05-30 15:21:50

Local clock offset: -0.097 ms

Remote clock offset: 0.038 ms

Below is generated by plot.py at 2019-05-30 18:34:01

Datalink statistics

-- Total of 1 flow:

Average throughput: 295.80 Mbit/s

95th percentile per-packet one-way delay: 90.556 ms

Loss rate: 0.41%

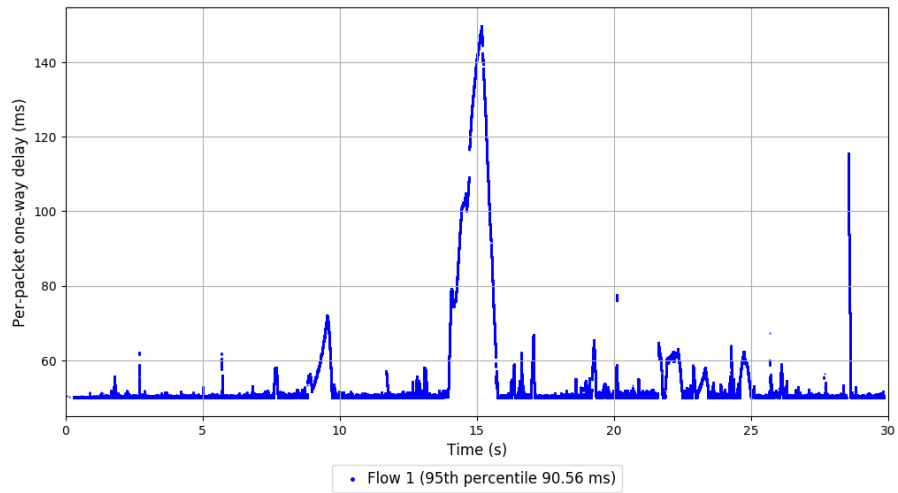
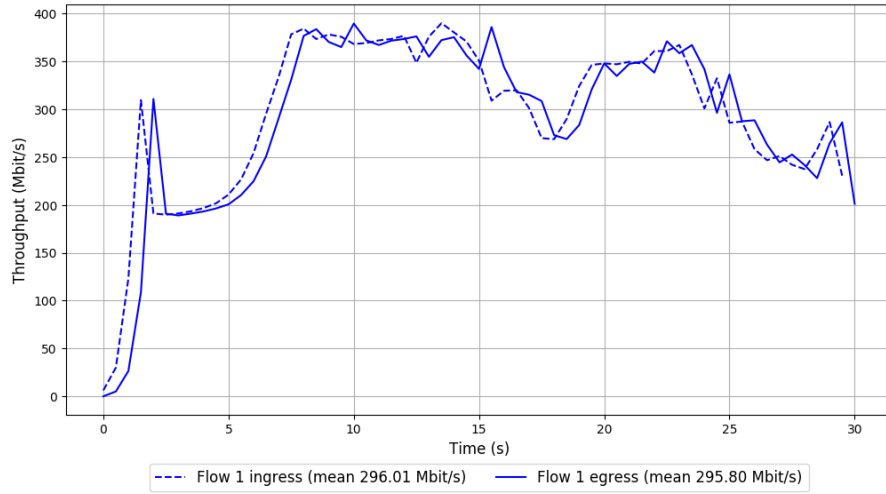
-- Flow 1:

Average throughput: 295.80 Mbit/s

95th percentile per-packet one-way delay: 90.556 ms

Loss rate: 0.41%

Run 2: Report of PCC-Expr — Data Link



Run 3: Statistics of PCC-Expr

Start at: 2019-05-30 15:51:10

End at: 2019-05-30 15:51:40

Local clock offset: 0.341 ms

Remote clock offset: -0.08 ms

Below is generated by plot.py at 2019-05-30 18:34:01

Datalink statistics

-- Total of 1 flow:

Average throughput: 293.18 Mbit/s

95th percentile per-packet one-way delay: 118.733 ms

Loss rate: 0.38%

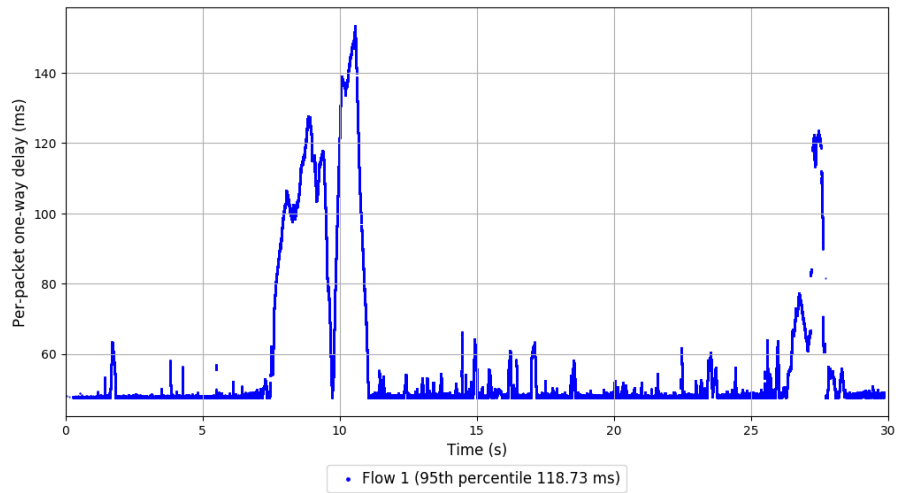
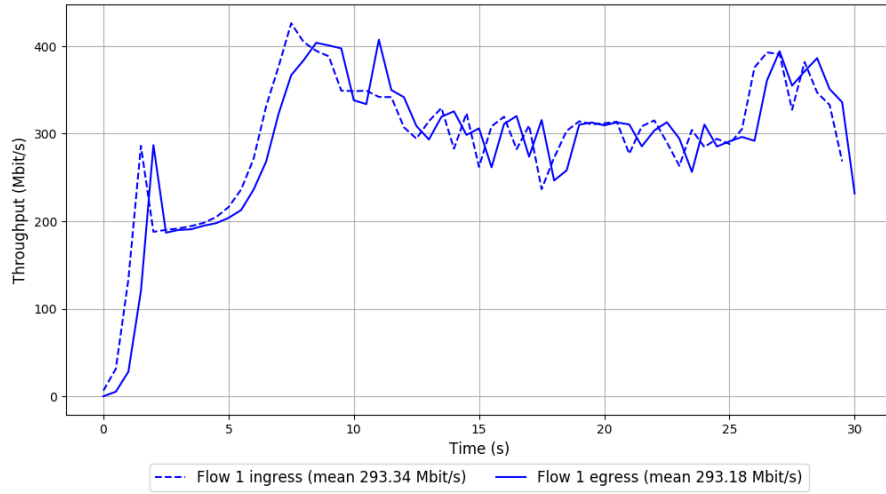
-- Flow 1:

Average throughput: 293.18 Mbit/s

95th percentile per-packet one-way delay: 118.733 ms

Loss rate: 0.38%

Run 3: Report of PCC-Expr — Data Link



Run 4: Statistics of PCC-Expr

Start at: 2019-05-30 16:21:13
End at: 2019-05-30 16:21:43
Local clock offset: -0.029 ms
Remote clock offset: -0.135 ms

Below is generated by plot.py at 2019-05-30 18:40:39

Datalink statistics

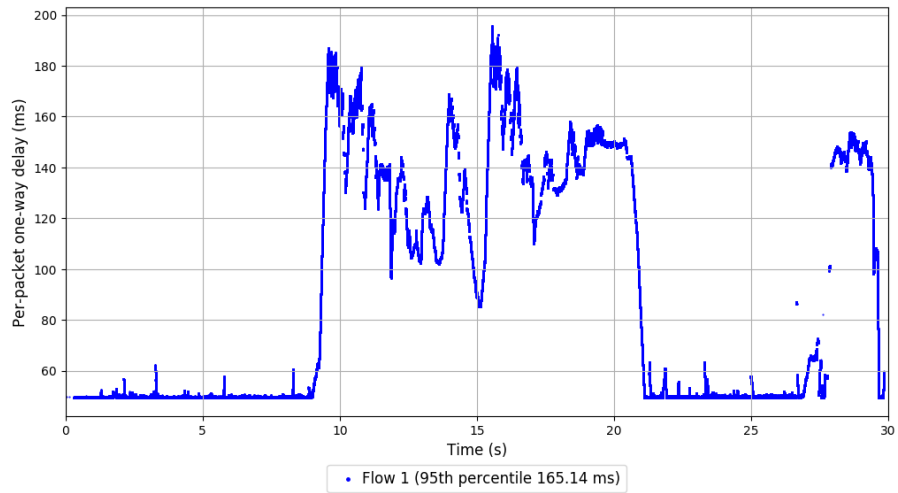
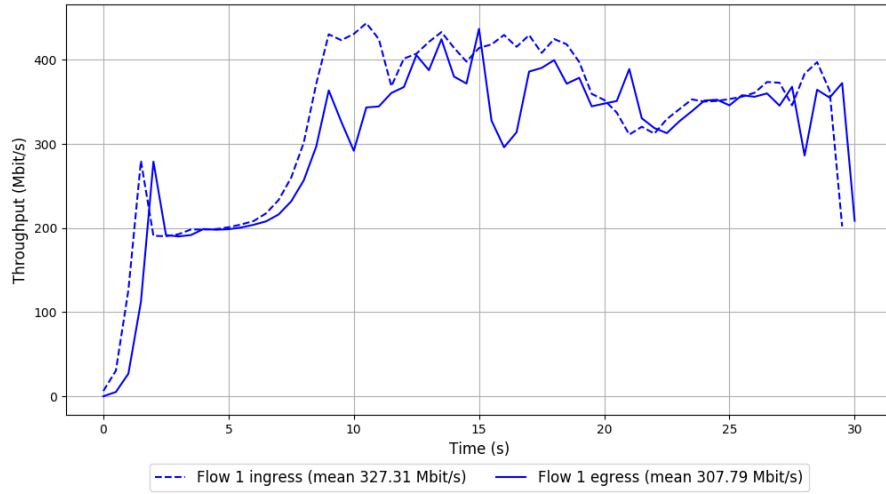
-- Total of 1 flow:

Average throughput: 307.79 Mbit/s
95th percentile per-packet one-way delay: 165.136 ms
Loss rate: 6.27%

-- Flow 1:

Average throughput: 307.79 Mbit/s
95th percentile per-packet one-way delay: 165.136 ms
Loss rate: 6.27%

Run 4: Report of PCC-Expr — Data Link



Run 5: Statistics of PCC-Expr

Start at: 2019-05-30 16:51:00

End at: 2019-05-30 16:51:30

Local clock offset: -0.125 ms

Remote clock offset: -0.01 ms

Below is generated by plot.py at 2019-05-30 18:40:39

Datalink statistics

-- Total of 1 flow:

Average throughput: 295.99 Mbit/s

95th percentile per-packet one-way delay: 124.581 ms

Loss rate: 0.59%

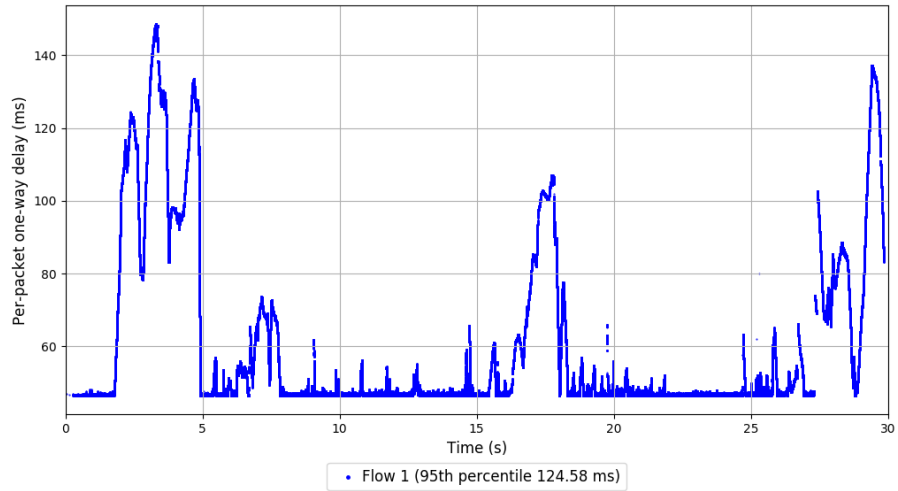
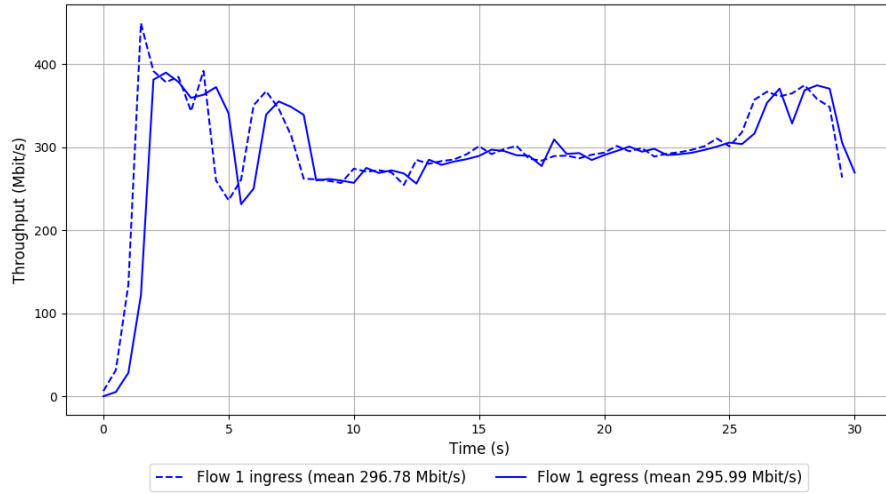
-- Flow 1:

Average throughput: 295.99 Mbit/s

95th percentile per-packet one-way delay: 124.581 ms

Loss rate: 0.59%

Run 5: Report of PCC-Expr — Data Link



Run 1: Statistics of QUIC Cubic

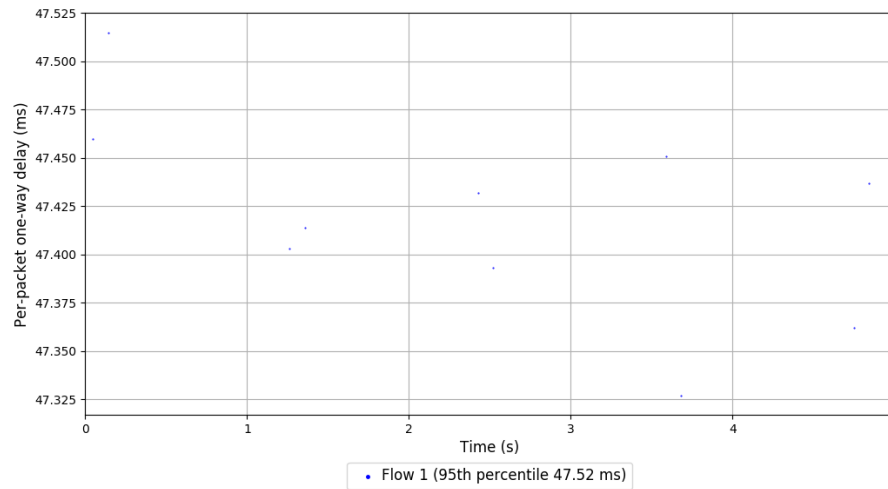
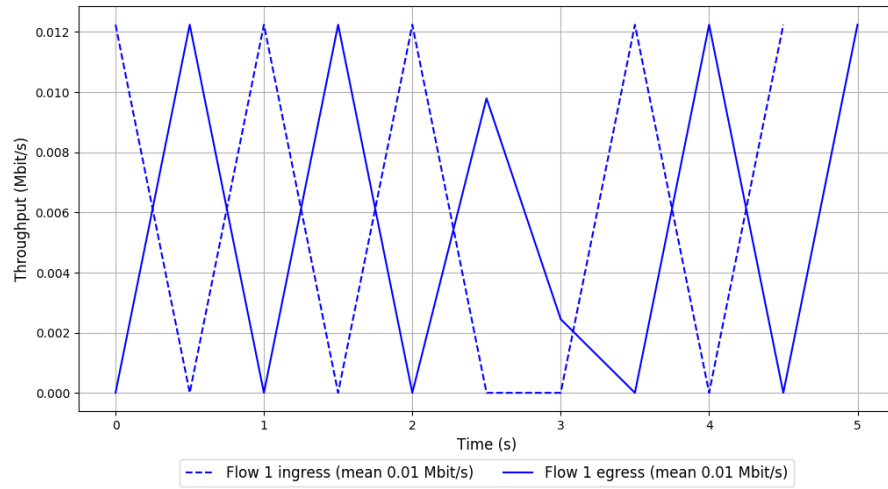
Start at: 2019-05-30 14:43:51

End at: 2019-05-30 14:44:21

Local clock offset: -0.159 ms

Remote clock offset: -0.093 ms

Run 1: Report of QUIC Cubic — Data Link



Run 2: Statistics of QUIC Cubic

Start at: 2019-05-30 15:14:09

End at: 2019-05-30 15:14:39

Local clock offset: -0.235 ms

Remote clock offset: 0.059 ms

Below is generated by plot.py at 2019-05-30 18:40:39

Datalink statistics

-- Total of 1 flow:

Average throughput: 40.99 Mbit/s

95th percentile per-packet one-way delay: 47.357 ms

Loss rate: 0.63%

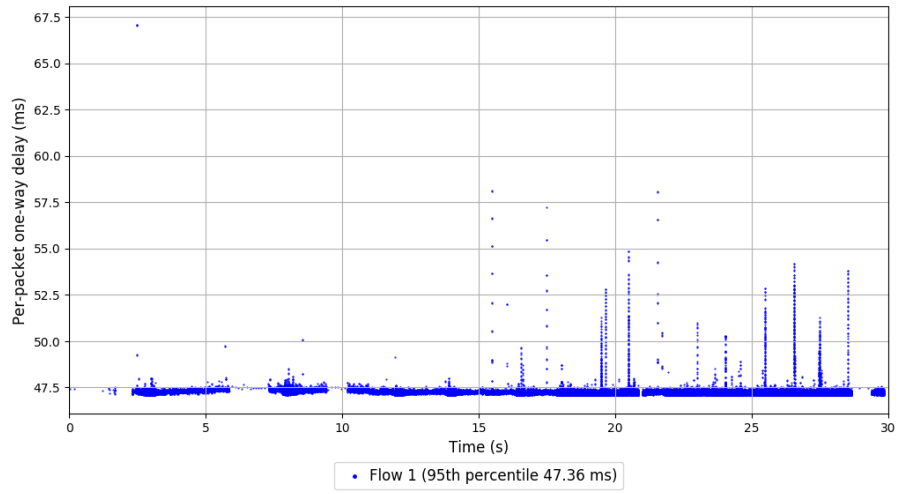
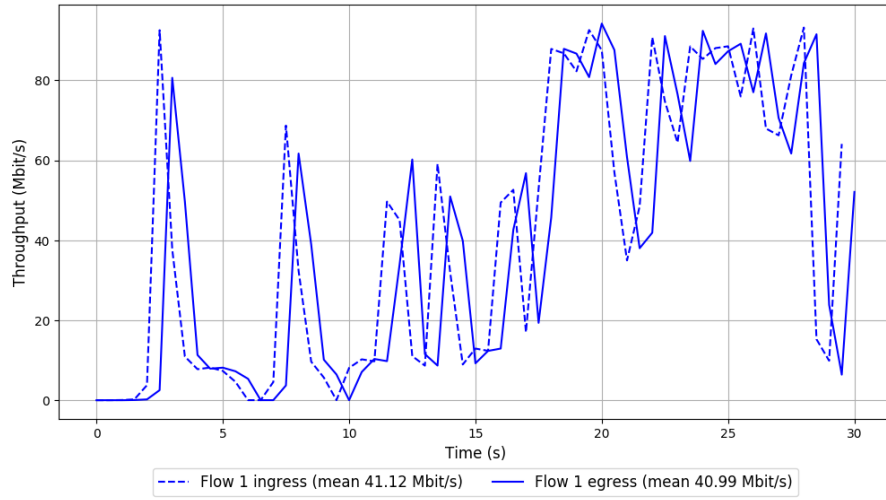
-- Flow 1:

Average throughput: 40.99 Mbit/s

95th percentile per-packet one-way delay: 47.357 ms

Loss rate: 0.63%

Run 2: Report of QUIC Cubic — Data Link



Run 3: Statistics of QUIC Cubic

Start at: 2019-05-30 15:44:00

End at: 2019-05-30 15:44:30

Local clock offset: -0.039 ms

Remote clock offset: -0.056 ms

Below is generated by plot.py at 2019-05-30 18:40:39

Datalink statistics

-- Total of 1 flow:

Average throughput: 44.74 Mbit/s

95th percentile per-packet one-way delay: 47.374 ms

Loss rate: 0.65%

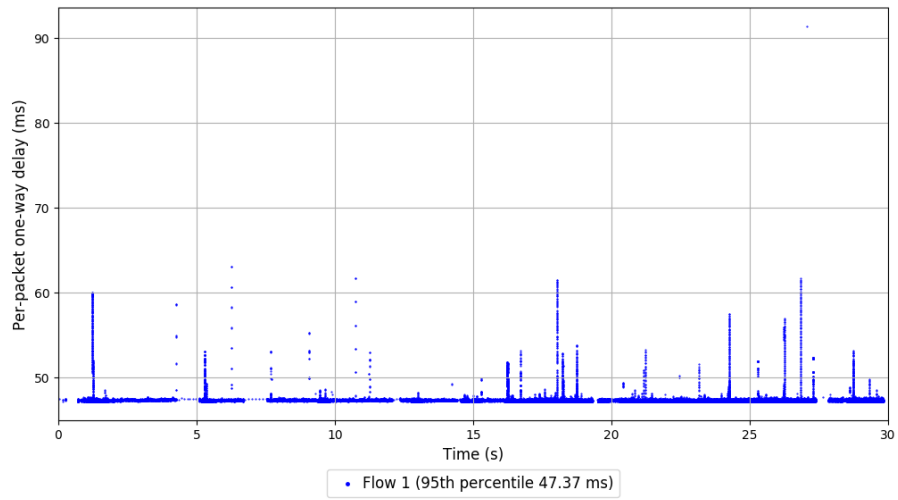
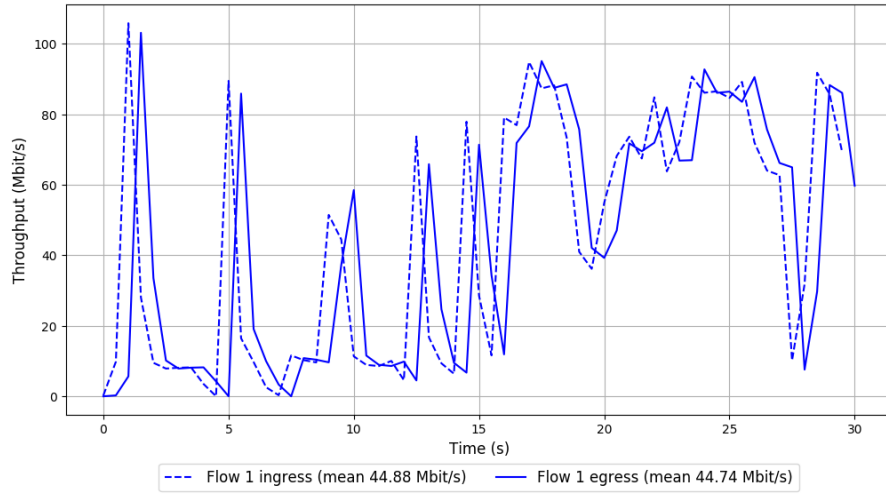
-- Flow 1:

Average throughput: 44.74 Mbit/s

95th percentile per-packet one-way delay: 47.374 ms

Loss rate: 0.65%

Run 3: Report of QUIC Cubic — Data Link

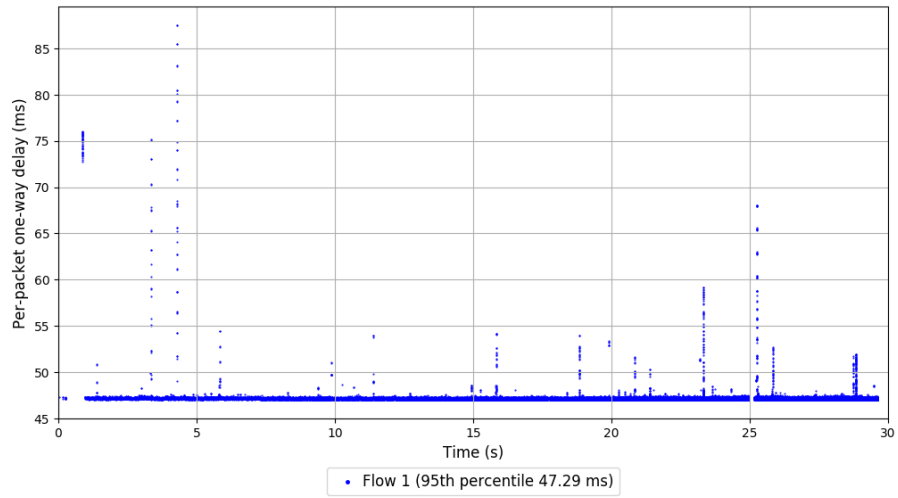
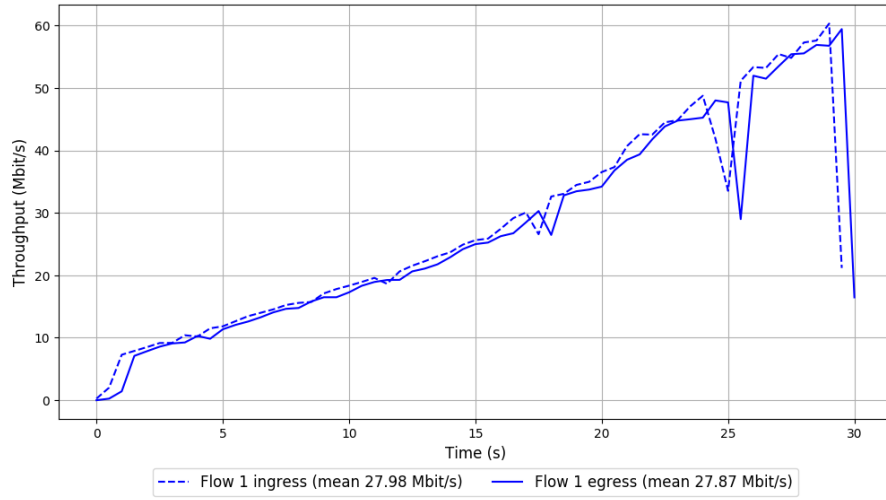


Run 4: Statistics of QUIC Cubic

Start at: 2019-05-30 16:14:06
End at: 2019-05-30 16:14:36
Local clock offset: -0.123 ms
Remote clock offset: -0.076 ms

Below is generated by plot.py at 2019-05-30 18:40:39
Datalink statistics
-- Total of 1 flow:
Average throughput: 27.87 Mbit/s
95th percentile per-packet one-way delay: 47.291 ms
Loss rate: 0.69%
-- Flow 1:
Average throughput: 27.87 Mbit/s
95th percentile per-packet one-way delay: 47.291 ms
Loss rate: 0.69%

Run 4: Report of QUIC Cubic — Data Link



Run 5: Statistics of QUIC Cubic

Start at: 2019-05-30 16:43:49

End at: 2019-05-30 16:44:19

Local clock offset: -0.141 ms

Remote clock offset: -0.035 ms

Below is generated by plot.py at 2019-05-30 18:40:39

Datalink statistics

-- Total of 1 flow:

Average throughput: 49.55 Mbit/s

95th percentile per-packet one-way delay: 47.454 ms

Loss rate: 0.53%

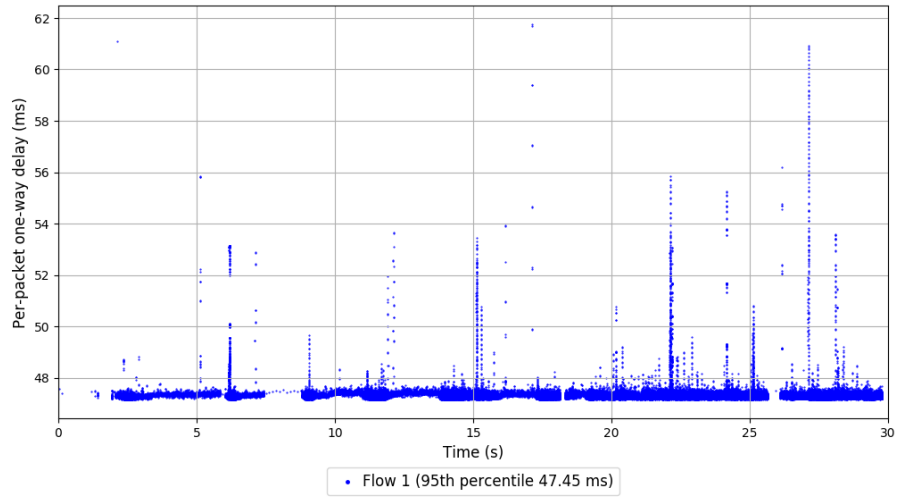
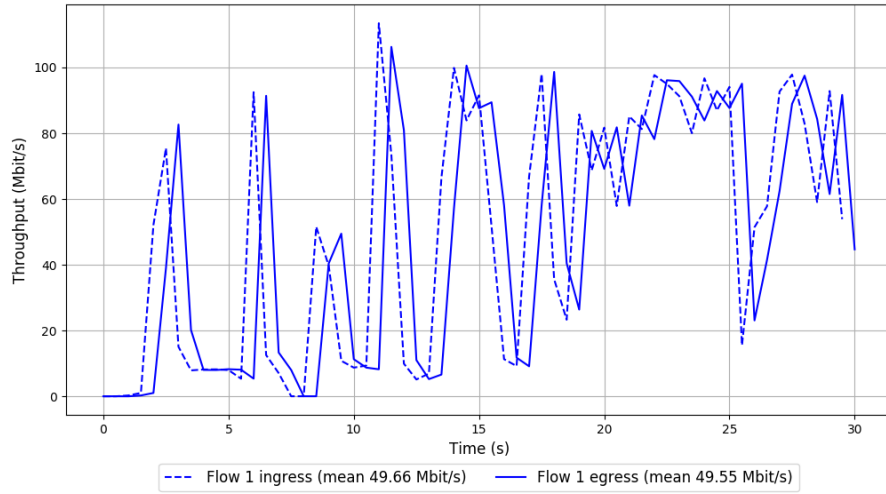
-- Flow 1:

Average throughput: 49.55 Mbit/s

95th percentile per-packet one-way delay: 47.454 ms

Loss rate: 0.53%

Run 5: Report of QUIC Cubic — Data Link

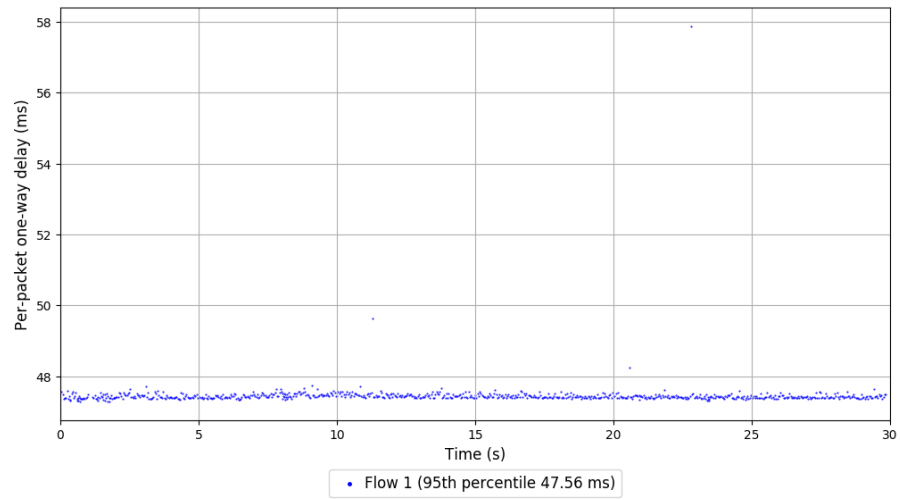
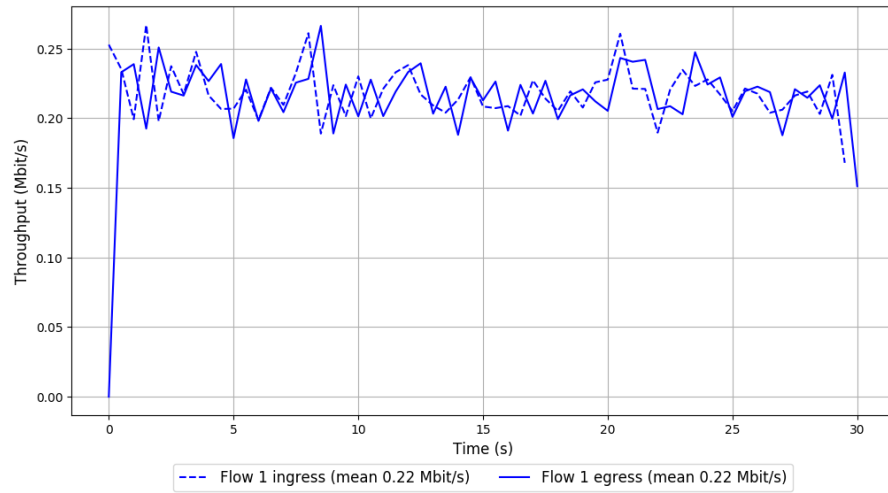


Run 1: Statistics of SCReAM

Start at: 2019-05-30 14:42:44
End at: 2019-05-30 14:43:14
Local clock offset: -0.166 ms
Remote clock offset: -0.084 ms

Below is generated by plot.py at 2019-05-30 18:40:39
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 47.562 ms
Loss rate: 0.25%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 47.562 ms
Loss rate: 0.25%

Run 1: Report of SCReAM — Data Link



Run 2: Statistics of SCReAM

Start at: 2019-05-30 15:13:02

End at: 2019-05-30 15:13:32

Local clock offset: -0.201 ms

Remote clock offset: 0.062 ms

Below is generated by plot.py at 2019-05-30 18:40:39

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 47.565 ms

Loss rate: 0.39%

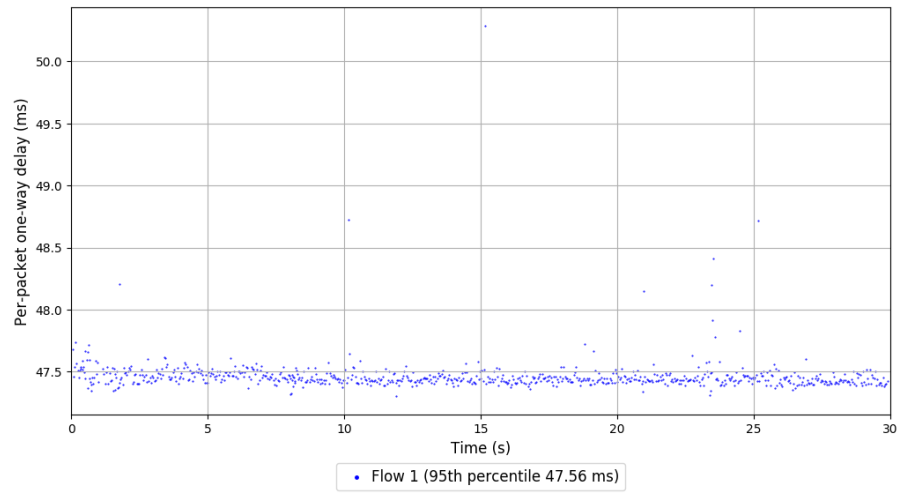
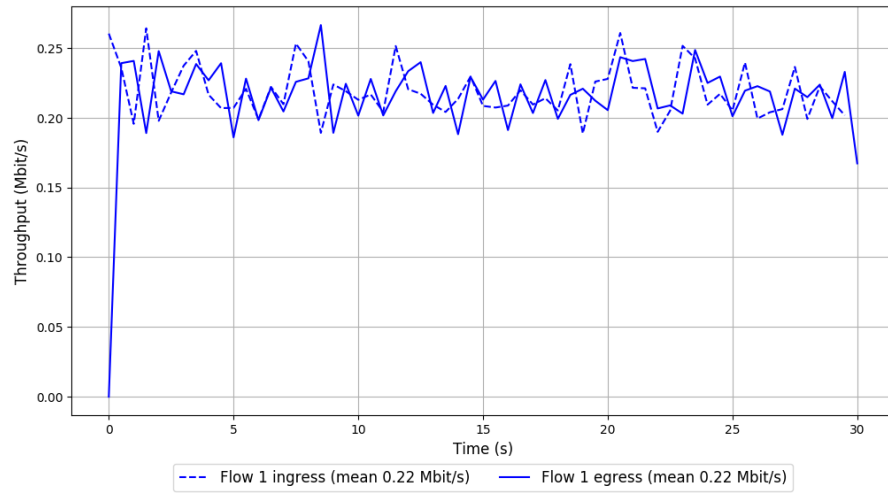
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 47.565 ms

Loss rate: 0.39%

Run 2: Report of SCReAM — Data Link

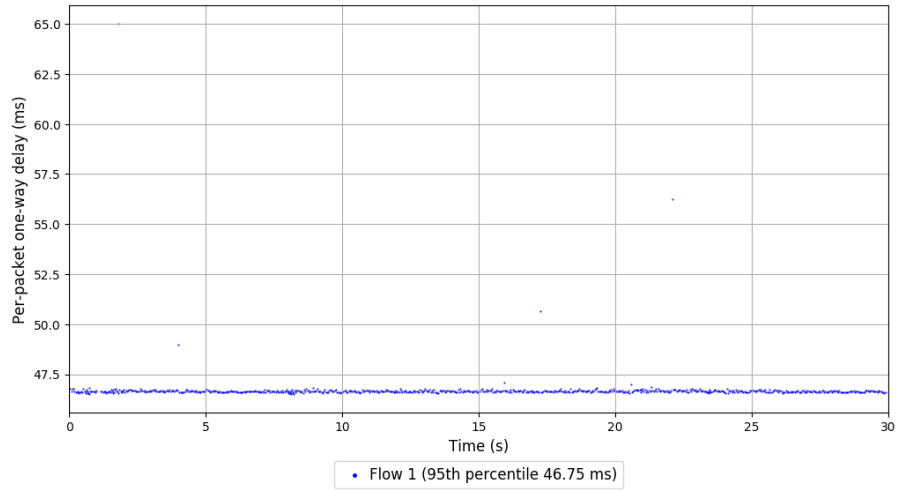
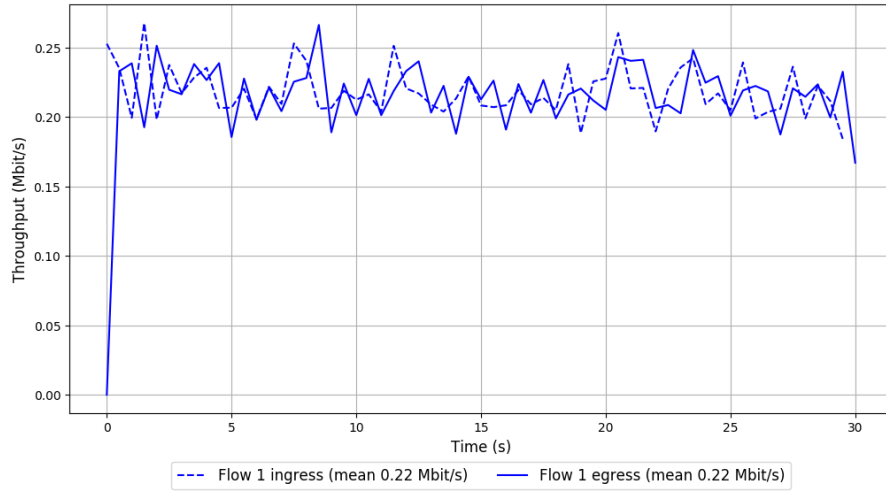


Run 3: Statistics of SCReAM

Start at: 2019-05-30 15:42:53
End at: 2019-05-30 15:43:23
Local clock offset: -0.007 ms
Remote clock offset: -0.019 ms

Below is generated by plot.py at 2019-05-30 18:40:39
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 46.749 ms
Loss rate: 0.26%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 46.749 ms
Loss rate: 0.26%

Run 3: Report of SCReAM — Data Link

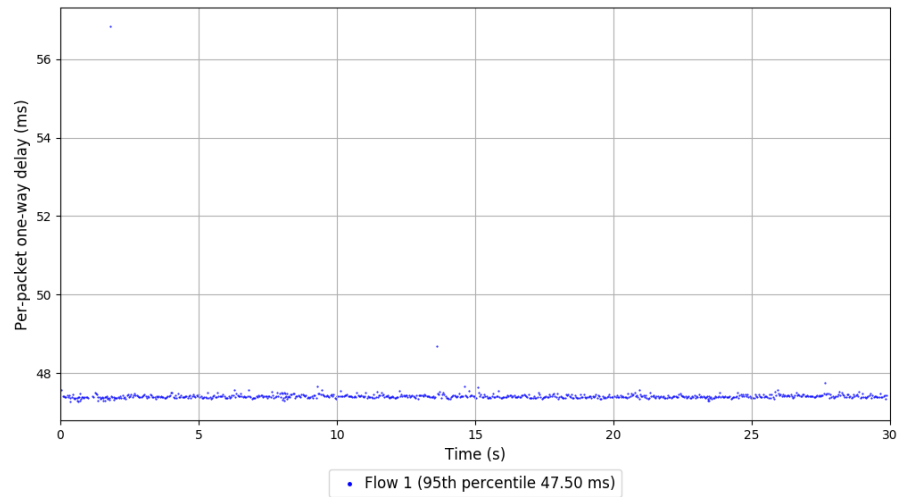
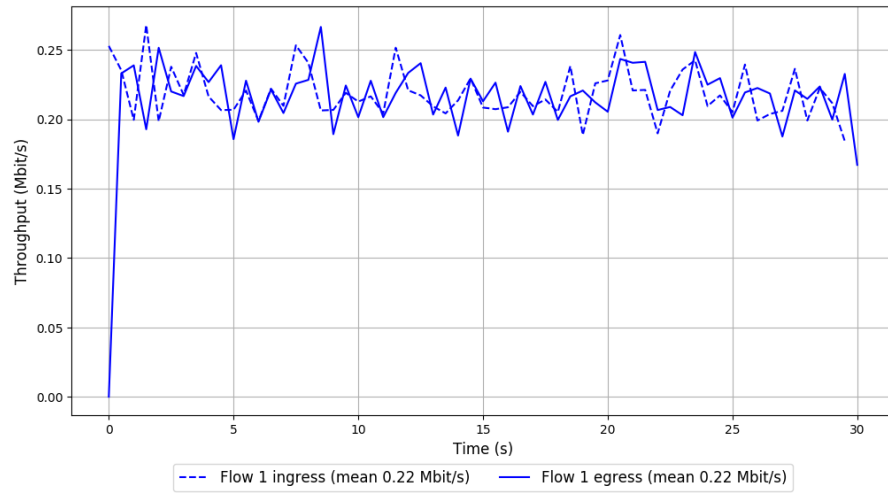


Run 4: Statistics of SCReAM

Start at: 2019-05-30 16:12:58
End at: 2019-05-30 16:13:28
Local clock offset: -0.104 ms
Remote clock offset: -0.123 ms

Below is generated by plot.py at 2019-05-30 18:40:39
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 47.498 ms
Loss rate: 0.26%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 47.498 ms
Loss rate: 0.26%

Run 4: Report of SCReAM — Data Link

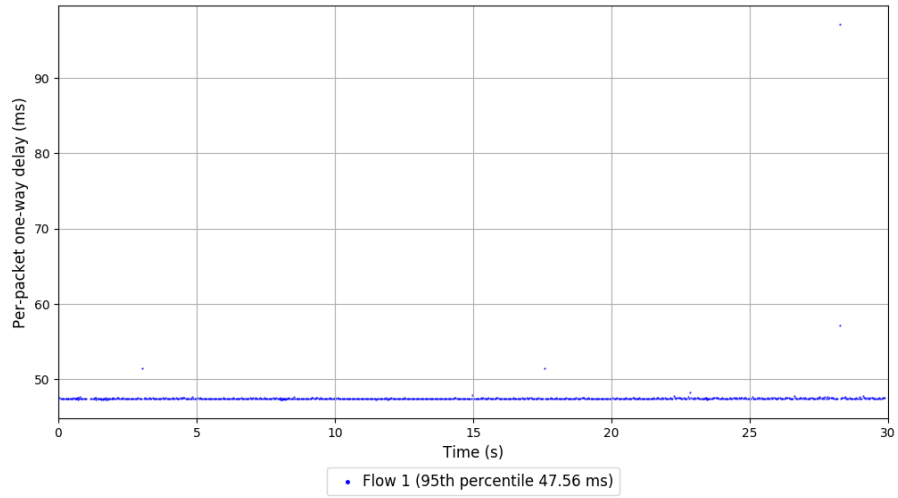
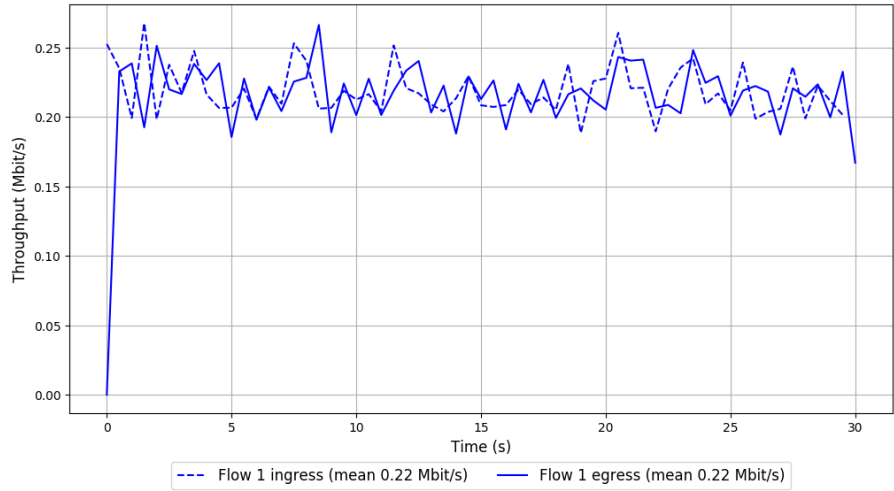


Run 5: Statistics of SCReAM

Start at: 2019-05-30 16:42:42
End at: 2019-05-30 16:43:12
Local clock offset: -0.144 ms
Remote clock offset: -0.059 ms

Below is generated by plot.py at 2019-05-30 18:40:39
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 47.558 ms
Loss rate: 0.39%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 47.558 ms
Loss rate: 0.39%

Run 5: Report of SCReAM — Data Link



Run 1: Statistics of Sprout

Start at: 2019-05-30 14:58:22

End at: 2019-05-30 14:58:52

Local clock offset: -0.15 ms

Remote clock offset: 0.066 ms

Below is generated by plot.py at 2019-05-30 18:40:39

Datalink statistics

-- Total of 1 flow:

Average throughput: 9.53 Mbit/s

95th percentile per-packet one-way delay: 48.012 ms

Loss rate: 0.33%

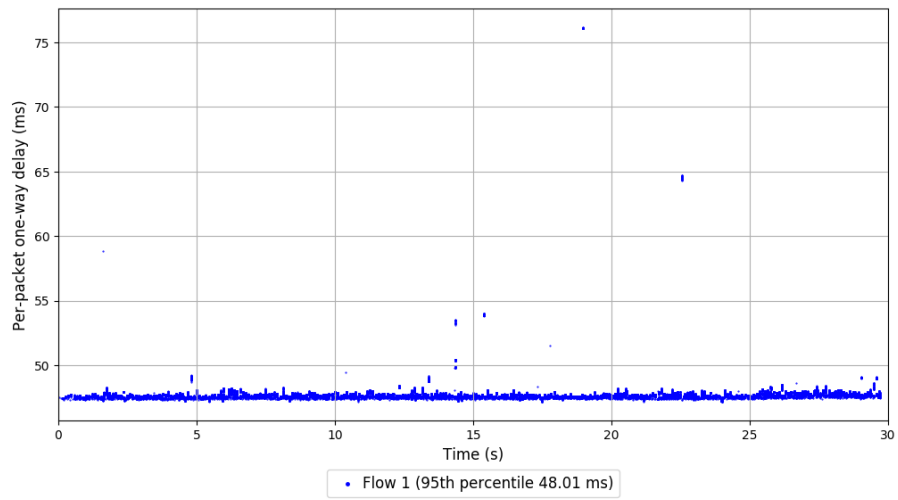
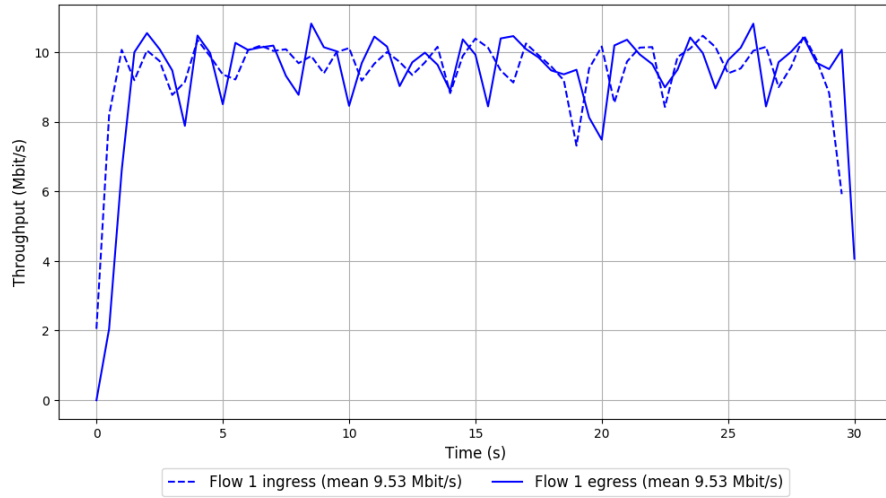
-- Flow 1:

Average throughput: 9.53 Mbit/s

95th percentile per-packet one-way delay: 48.012 ms

Loss rate: 0.33%

Run 1: Report of Sprout — Data Link

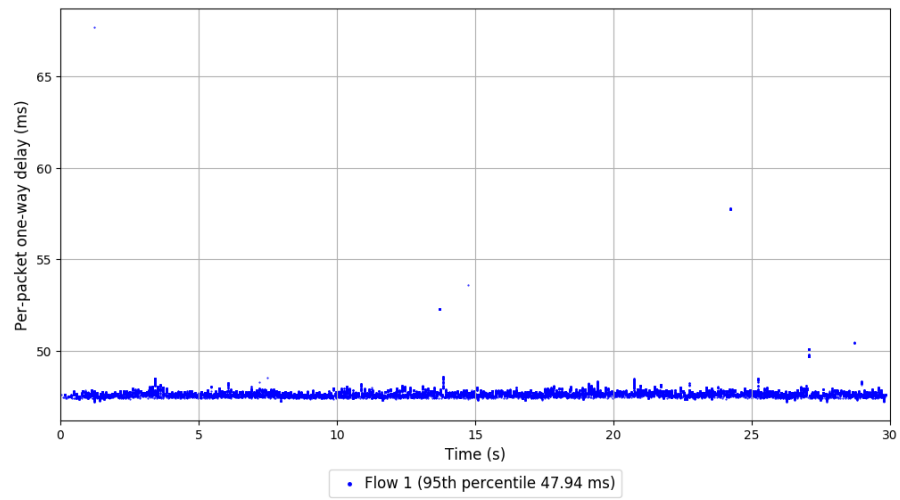
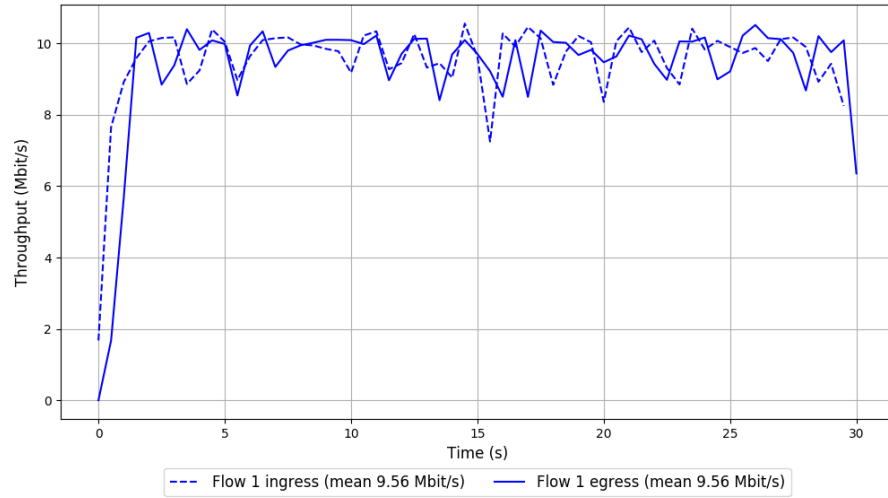


Run 2: Statistics of Sprout

Start at: 2019-05-30 15:28:43
End at: 2019-05-30 15:29:13
Local clock offset: -0.049 ms
Remote clock offset: -0.068 ms

Below is generated by plot.py at 2019-05-30 18:40:39
Datalink statistics
-- Total of 1 flow:
Average throughput: 9.56 Mbit/s
95th percentile per-packet one-way delay: 47.936 ms
Loss rate: 0.34%
-- Flow 1:
Average throughput: 9.56 Mbit/s
95th percentile per-packet one-way delay: 47.936 ms
Loss rate: 0.34%

Run 2: Report of Sprout — Data Link

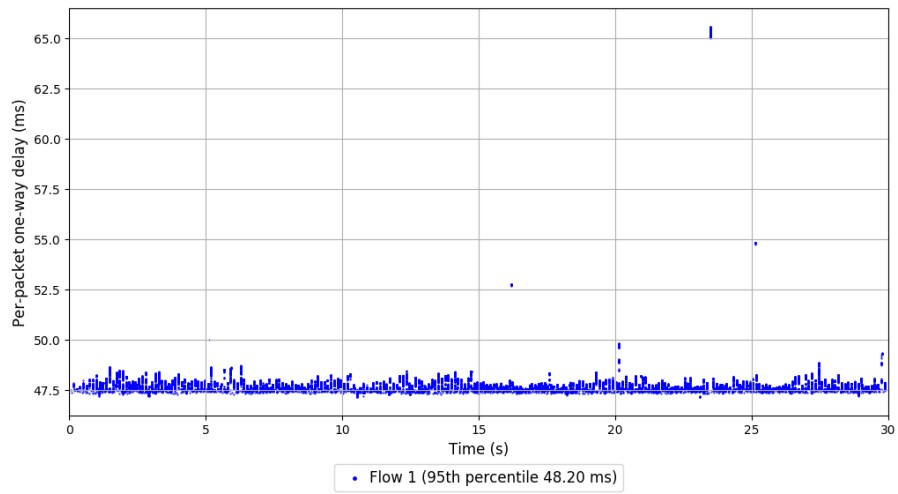
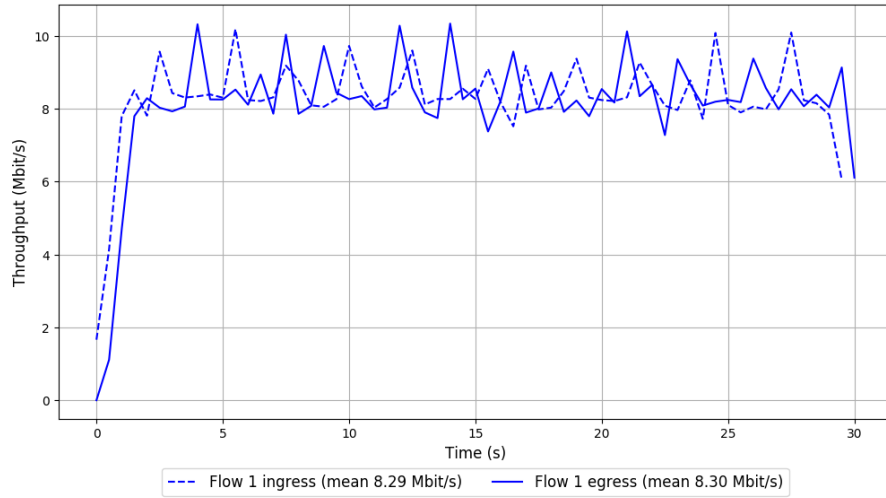


Run 3: Statistics of Sprout

Start at: 2019-05-30 15:58:47
End at: 2019-05-30 15:59:17
Local clock offset: -0.067 ms
Remote clock offset: -0.068 ms

Below is generated by plot.py at 2019-05-30 18:40:39
Datalink statistics
-- Total of 1 flow:
Average throughput: 8.30 Mbit/s
95th percentile per-packet one-way delay: 48.203 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 8.30 Mbit/s
95th percentile per-packet one-way delay: 48.203 ms
Loss rate: 0.13%

Run 3: Report of Sprout — Data Link

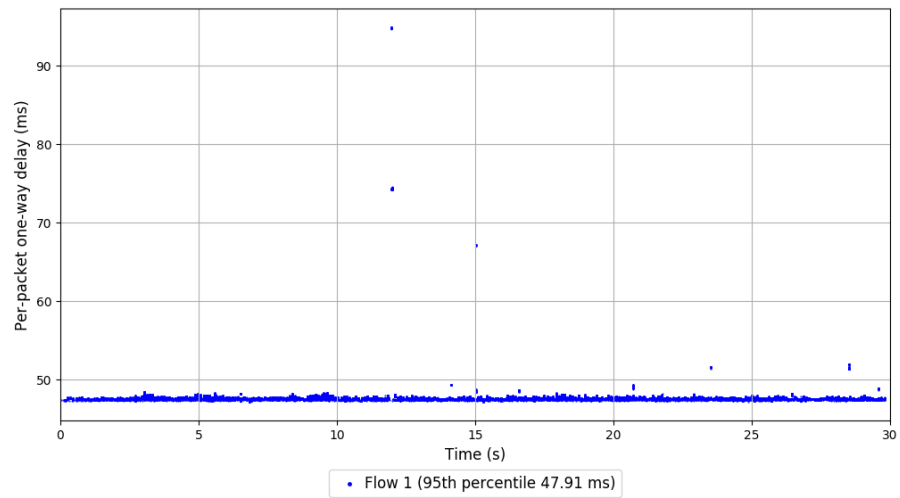
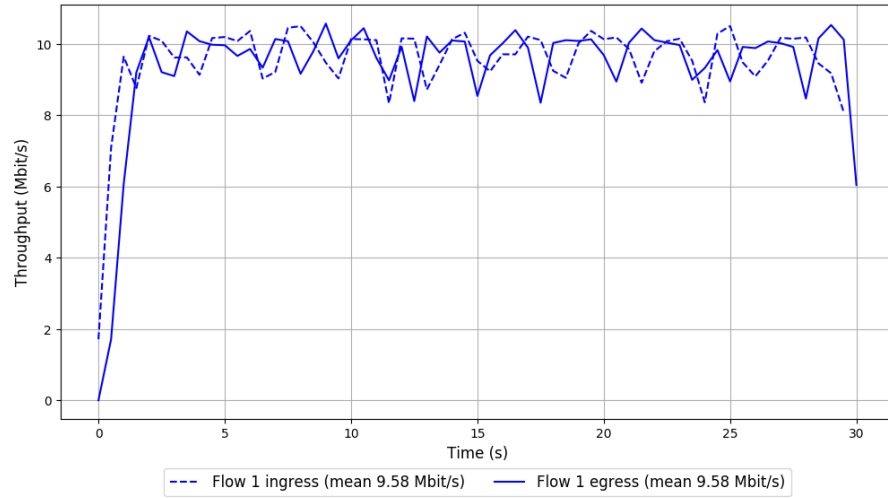


Run 4: Statistics of Sprout

Start at: 2019-05-30 16:28:28
End at: 2019-05-30 16:28:58
Local clock offset: -0.136 ms
Remote clock offset: -0.047 ms

```
# Below is generated by plot.py at 2019-05-30 18:40:39
# Datalink statistics
-- Total of 1 flow:
Average throughput: 9.58 Mbit/s
95th percentile per-packet one-way delay: 47.905 ms
Loss rate: 0.36%
-- Flow 1:
Average throughput: 9.58 Mbit/s
95th percentile per-packet one-way delay: 47.905 ms
Loss rate: 0.36%
```

Run 4: Report of Sprout — Data Link

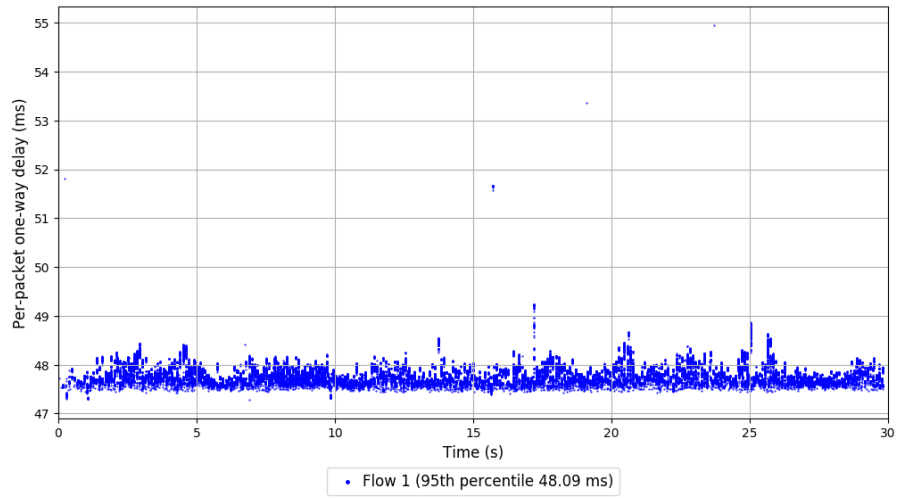
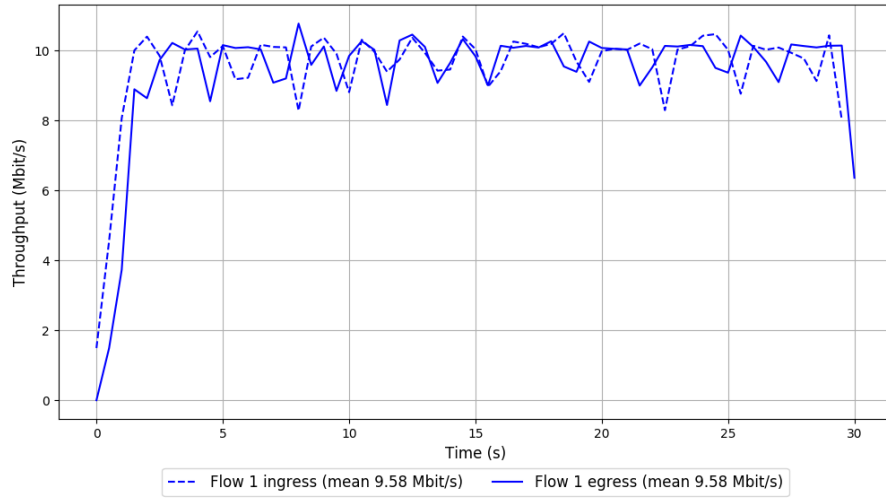


Run 5: Statistics of Sprout

Start at: 2019-05-30 16:58:21
End at: 2019-05-30 16:58:51
Local clock offset: -0.121 ms
Remote clock offset: -0.103 ms

Below is generated by plot.py at 2019-05-30 18:40:39
Datalink statistics
-- Total of 1 flow:
Average throughput: 9.58 Mbit/s
95th percentile per-packet one-way delay: 48.094 ms
Loss rate: 0.35%
-- Flow 1:
Average throughput: 9.58 Mbit/s
95th percentile per-packet one-way delay: 48.094 ms
Loss rate: 0.35%

Run 5: Report of Sprout — Data Link



Run 1: Statistics of TaoVA-100x

Start at: 2019-05-30 14:55:24

End at: 2019-05-30 14:55:54

Local clock offset: -0.21 ms

Remote clock offset: 0.0 ms

Below is generated by plot.py at 2019-05-30 18:41:40

Datalink statistics

-- Total of 1 flow:

Average throughput: 241.04 Mbit/s

95th percentile per-packet one-way delay: 48.097 ms

Loss rate: 0.34%

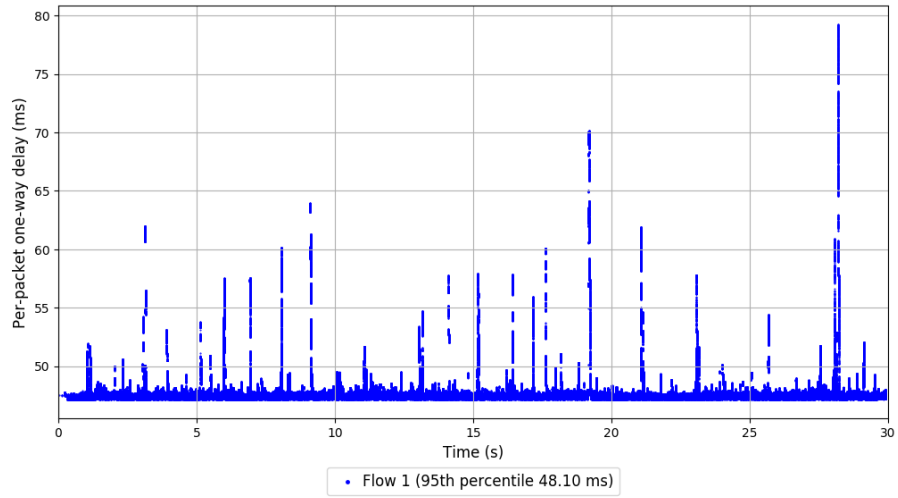
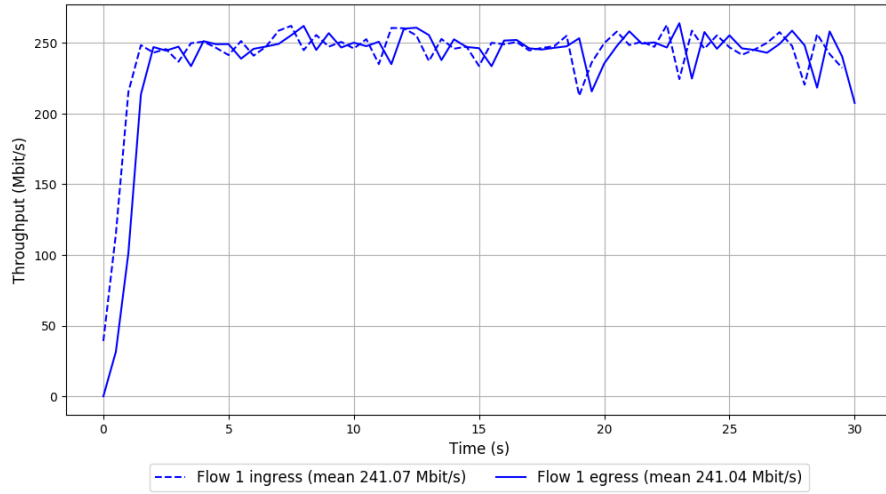
-- Flow 1:

Average throughput: 241.04 Mbit/s

95th percentile per-packet one-way delay: 48.097 ms

Loss rate: 0.34%

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



Run 2: Statistics of TaoVA-100x

Start at: 2019-05-30 15:25:45

End at: 2019-05-30 15:26:16

Local clock offset: -0.131 ms

Remote clock offset: -0.001 ms

Below is generated by plot.py at 2019-05-30 18:41:44

Datalink statistics

-- Total of 1 flow:

Average throughput: 242.53 Mbit/s

95th percentile per-packet one-way delay: 47.817 ms

Loss rate: 0.41%

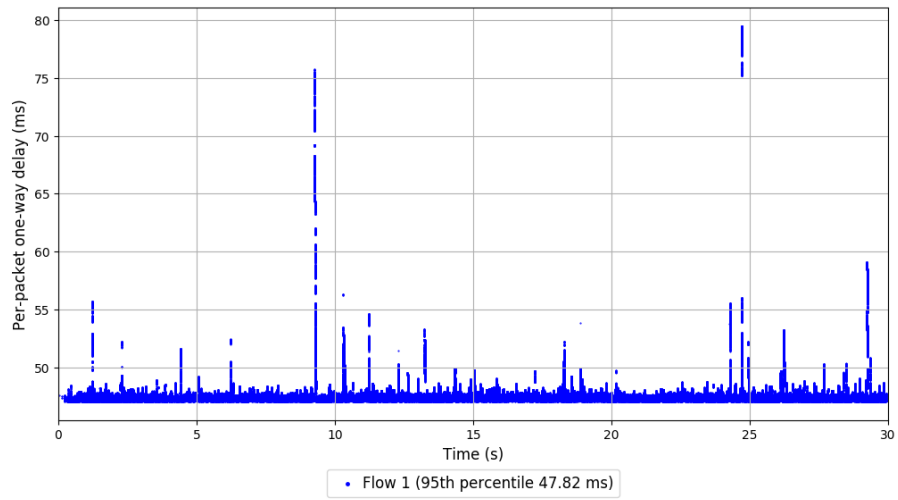
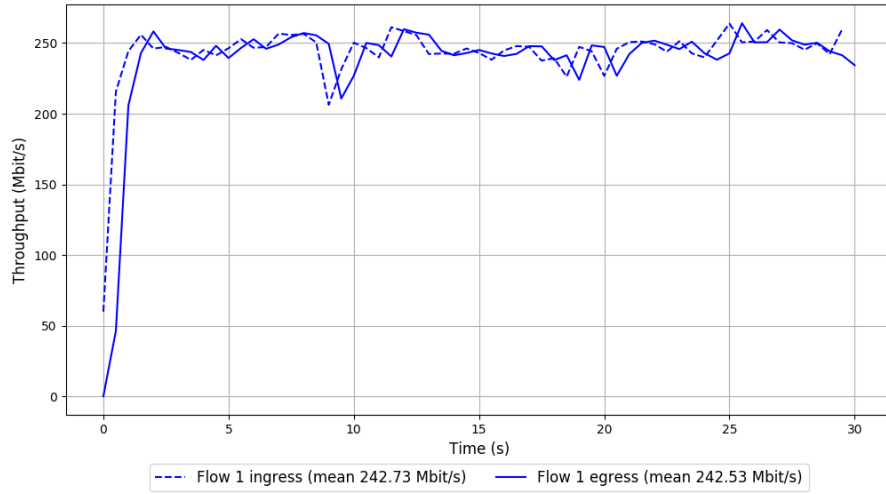
-- Flow 1:

Average throughput: 242.53 Mbit/s

95th percentile per-packet one-way delay: 47.817 ms

Loss rate: 0.41%

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



Run 3: Statistics of TaoVA-100x

Start at: 2019-05-30 15:55:47

End at: 2019-05-30 15:56:17

Local clock offset: -0.054 ms

Remote clock offset: -0.09 ms

Below is generated by plot.py at 2019-05-30 18:42:02

Datalink statistics

-- Total of 1 flow:

Average throughput: 242.26 Mbit/s

95th percentile per-packet one-way delay: 48.164 ms

Loss rate: 0.35%

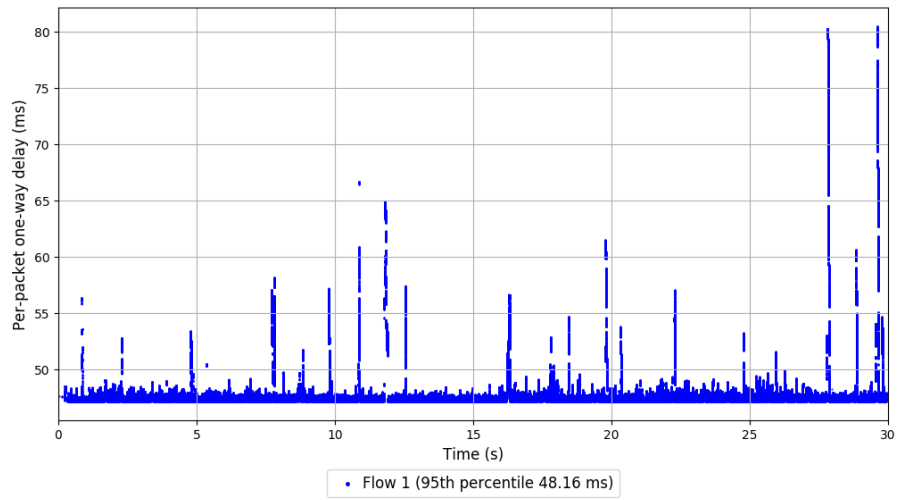
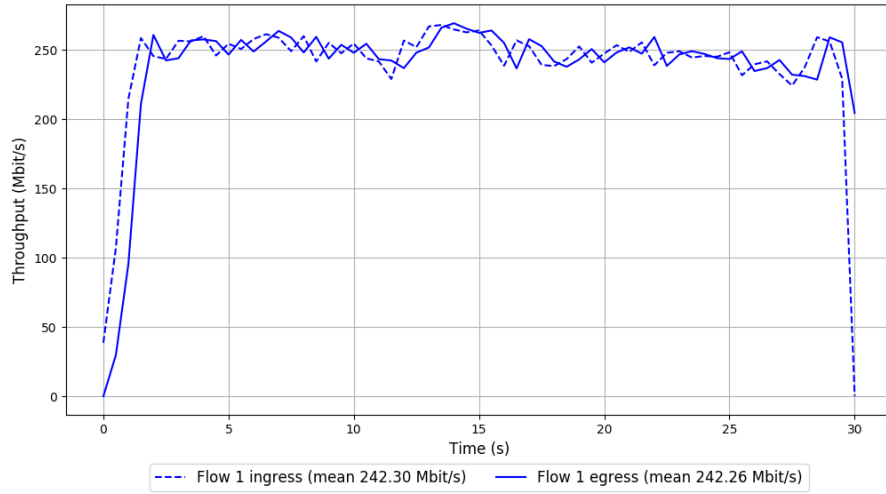
-- Flow 1:

Average throughput: 242.26 Mbit/s

95th percentile per-packet one-way delay: 48.164 ms

Loss rate: 0.35%

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

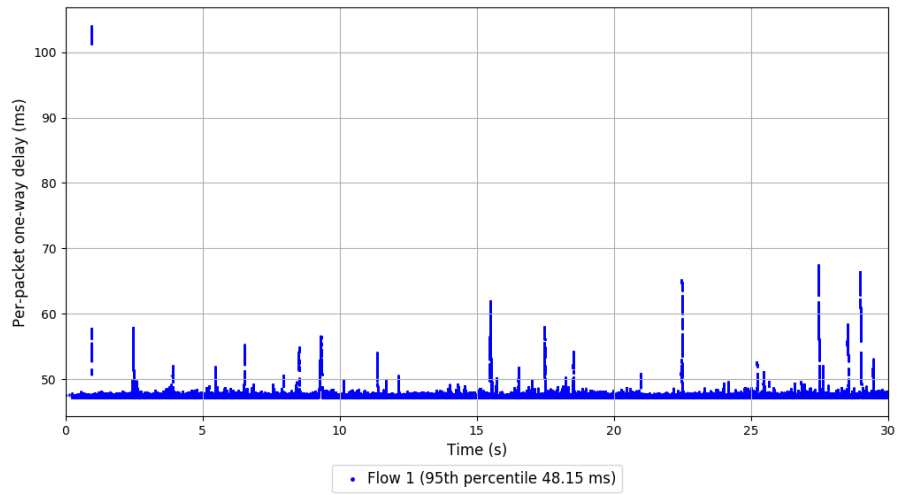
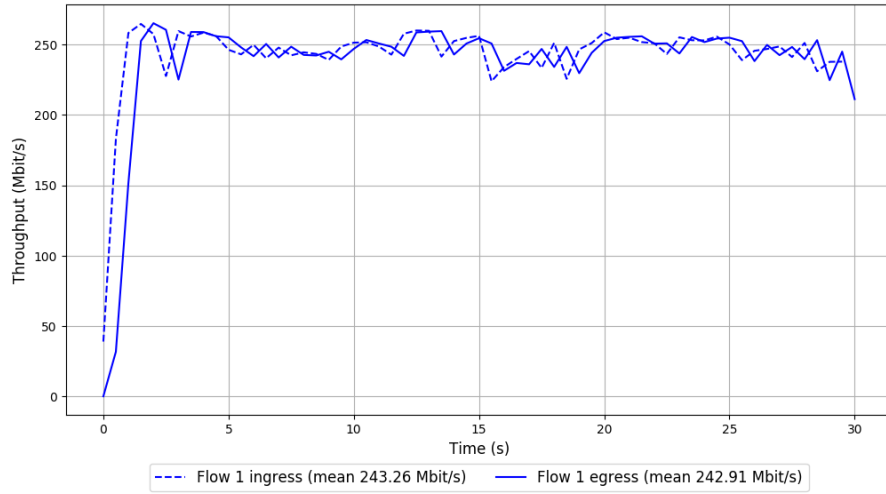


Run 4: Statistics of TaoVA-100x

Start at: 2019-05-30 16:25:39
End at: 2019-05-30 16:26:09
Local clock offset: -0.109 ms
Remote clock offset: -0.095 ms

Below is generated by plot.py at 2019-05-30 18:42:19
Datalink statistics
-- Total of 1 flow:
Average throughput: 242.91 Mbit/s
95th percentile per-packet one-way delay: 48.151 ms
Loss rate: 0.46%
-- Flow 1:
Average throughput: 242.91 Mbit/s
95th percentile per-packet one-way delay: 48.151 ms
Loss rate: 0.46%

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



Run 5: Statistics of TaoVA-100x

Start at: 2019-05-30 16:55:22

End at: 2019-05-30 16:55:52

Local clock offset: -0.137 ms

Remote clock offset: -0.021 ms

Below is generated by plot.py at 2019-05-30 18:42:19

Datalink statistics

-- Total of 1 flow:

Average throughput: 241.66 Mbit/s

95th percentile per-packet one-way delay: 48.146 ms

Loss rate: 0.50%

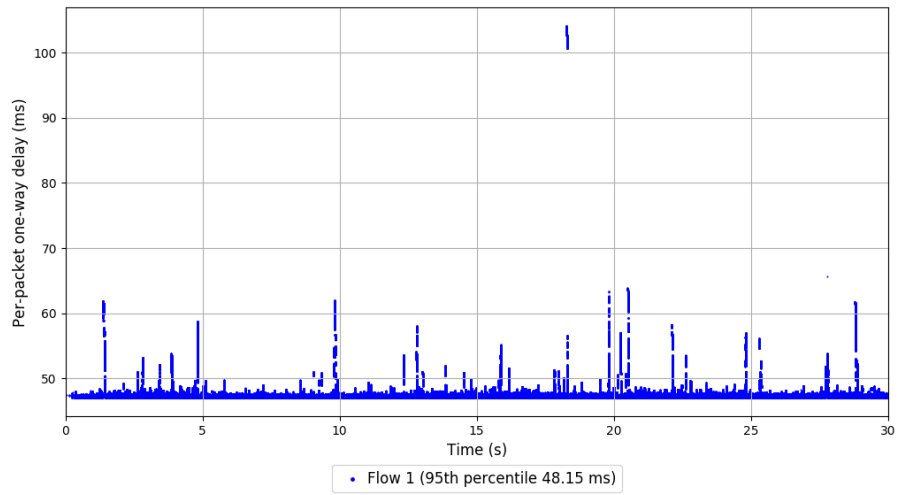
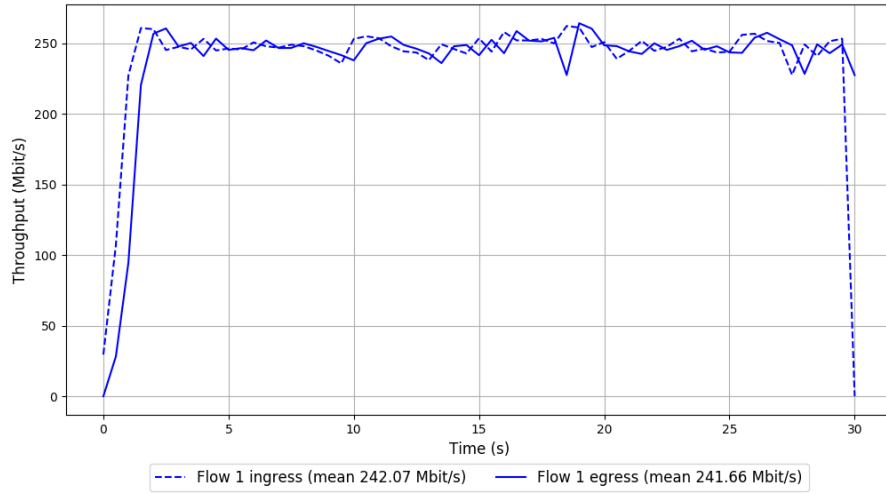
-- Flow 1:

Average throughput: 241.66 Mbit/s

95th percentile per-packet one-way delay: 48.146 ms

Loss rate: 0.50%

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



Run 1: Statistics of TCP Vegas

Start at: 2019-05-30 14:37:04
End at: 2019-05-30 14:37:34
Local clock offset: -0.135 ms
Remote clock offset: -0.176 ms

Below is generated by plot.py at 2019-05-30 18:42:19

Datalink statistics

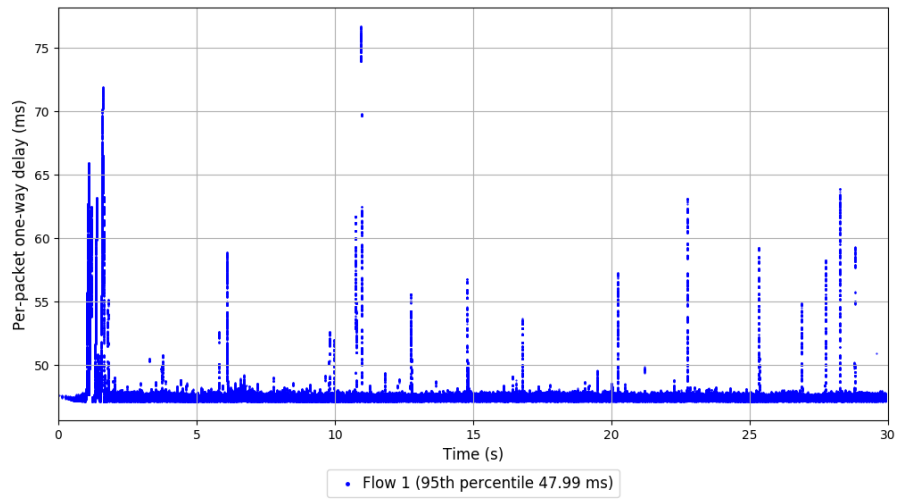
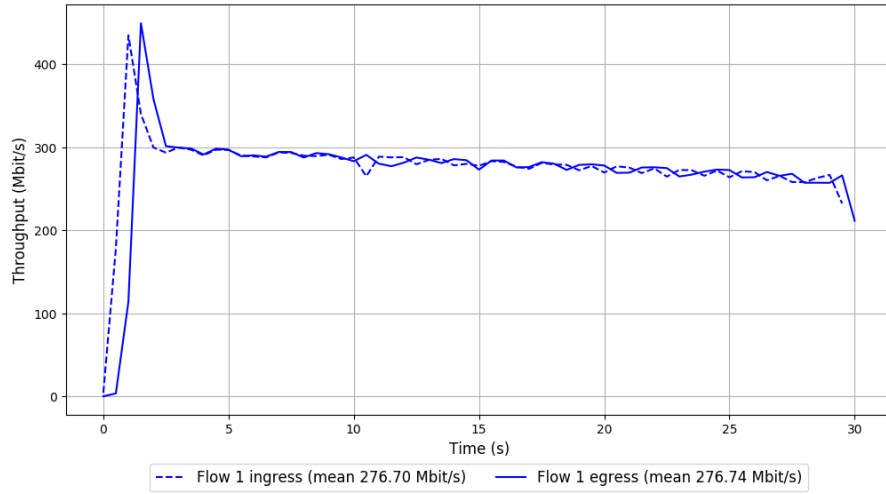
-- Total of 1 flow:

Average throughput: 276.74 Mbit/s
95th percentile per-packet one-way delay: 47.992 ms
Loss rate: 0.30%

-- Flow 1:

Average throughput: 276.74 Mbit/s
95th percentile per-packet one-way delay: 47.992 ms
Loss rate: 0.30%

Run 1: Report of TCP Vegas — Data Link



Run 2: Statistics of TCP Vegas

Start at: 2019-05-30 15:07:02

End at: 2019-05-30 15:07:32

Local clock offset: -0.21 ms

Remote clock offset: 0.035 ms

Below is generated by plot.py at 2019-05-30 18:45:11

Datalink statistics

-- Total of 1 flow:

Average throughput: 300.52 Mbit/s

95th percentile per-packet one-way delay: 73.703 ms

Loss rate: 0.44%

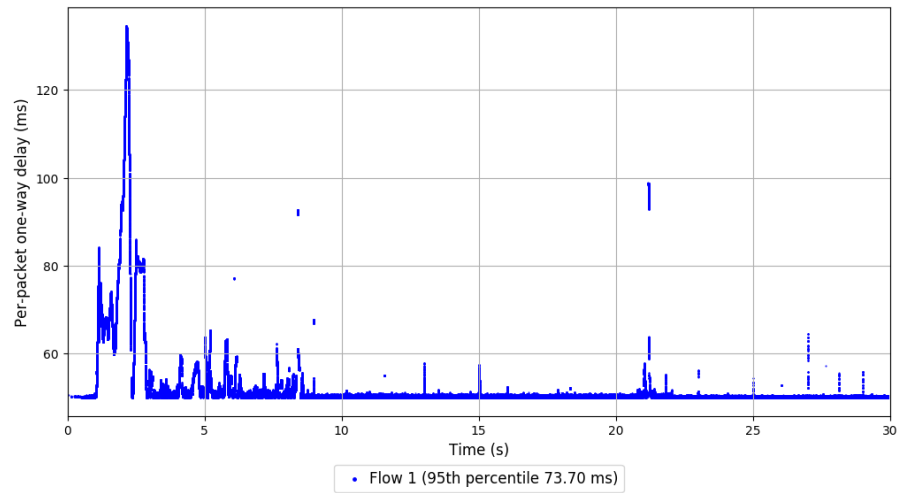
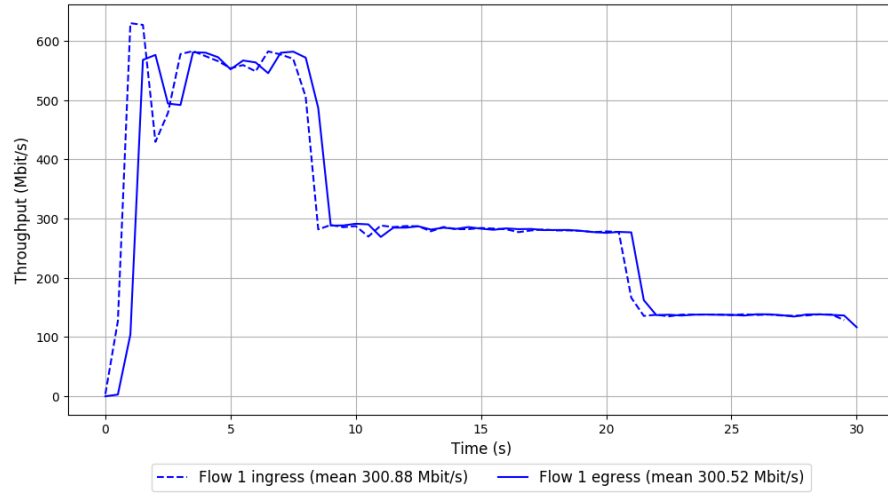
-- Flow 1:

Average throughput: 300.52 Mbit/s

95th percentile per-packet one-way delay: 73.703 ms

Loss rate: 0.44%

Run 2: Report of TCP Vegas — Data Link



Run 3: Statistics of TCP Vegas

Start at: 2019-05-30 15:37:20

End at: 2019-05-30 15:37:50

Local clock offset: -0.03 ms

Remote clock offset: -0.034 ms

Below is generated by plot.py at 2019-05-30 18:45:11

Datalink statistics

-- Total of 1 flow:

Average throughput: 281.05 Mbit/s

95th percentile per-packet one-way delay: 47.905 ms

Loss rate: 0.30%

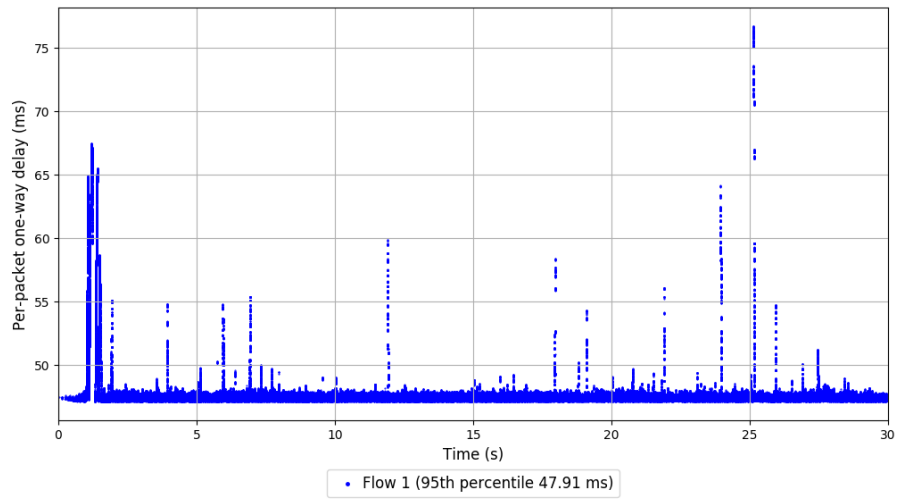
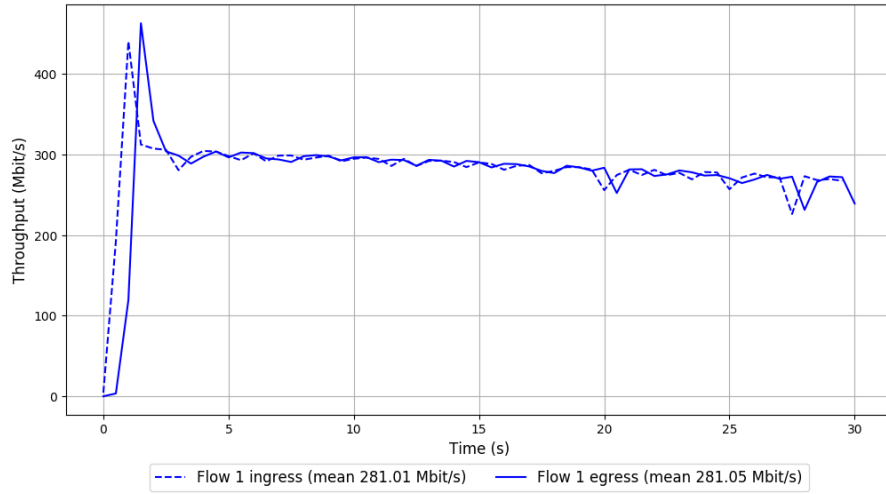
-- Flow 1:

Average throughput: 281.05 Mbit/s

95th percentile per-packet one-way delay: 47.905 ms

Loss rate: 0.30%

Run 3: Report of TCP Vegas — Data Link



Run 4: Statistics of TCP Vegas

Start at: 2019-05-30 16:07:21

End at: 2019-05-30 16:07:51

Local clock offset: -0.11 ms

Remote clock offset: -0.114 ms

Below is generated by plot.py at 2019-05-30 18:45:11

Datalink statistics

-- Total of 1 flow:

Average throughput: 150.15 Mbit/s

95th percentile per-packet one-way delay: 48.647 ms

Loss rate: 0.15%

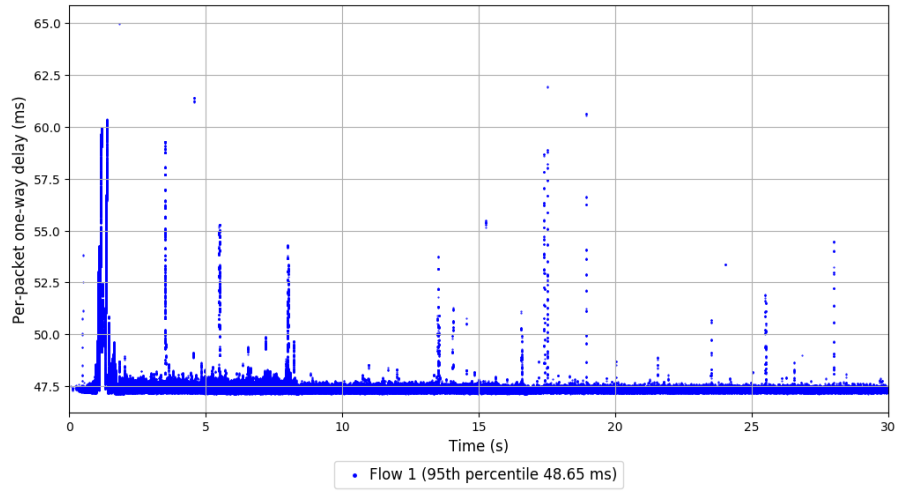
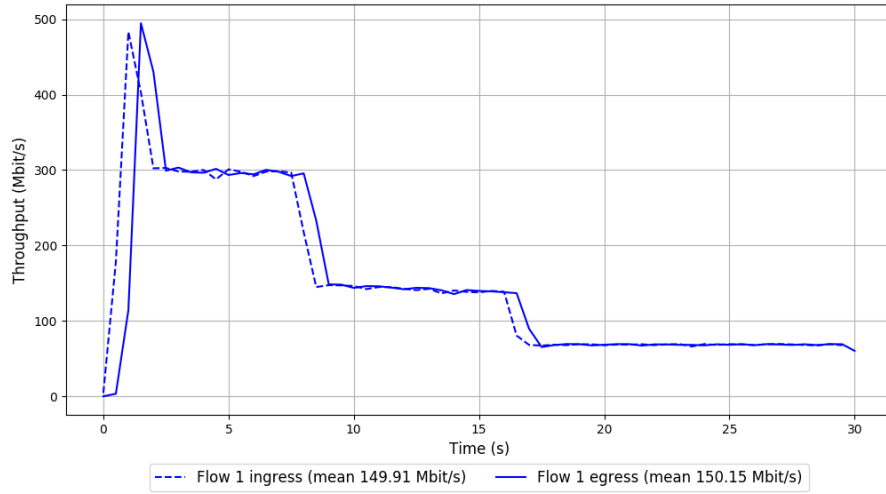
-- Flow 1:

Average throughput: 150.15 Mbit/s

95th percentile per-packet one-way delay: 48.647 ms

Loss rate: 0.15%

Run 4: Report of TCP Vegas — Data Link



Run 5: Statistics of TCP Vegas

Start at: 2019-05-30 16:37:06
End at: 2019-05-30 16:37:36
Local clock offset: -0.117 ms
Remote clock offset: -0.032 ms

Below is generated by plot.py at 2019-05-30 18:45:11

Datalink statistics

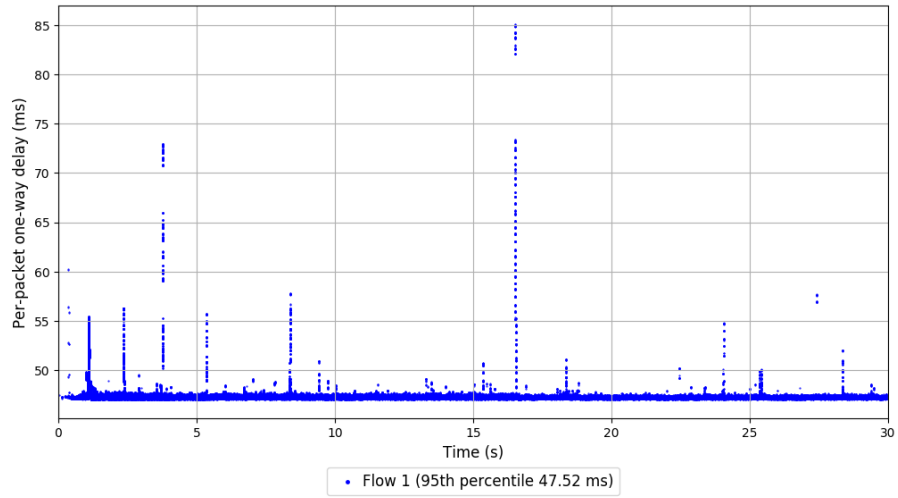
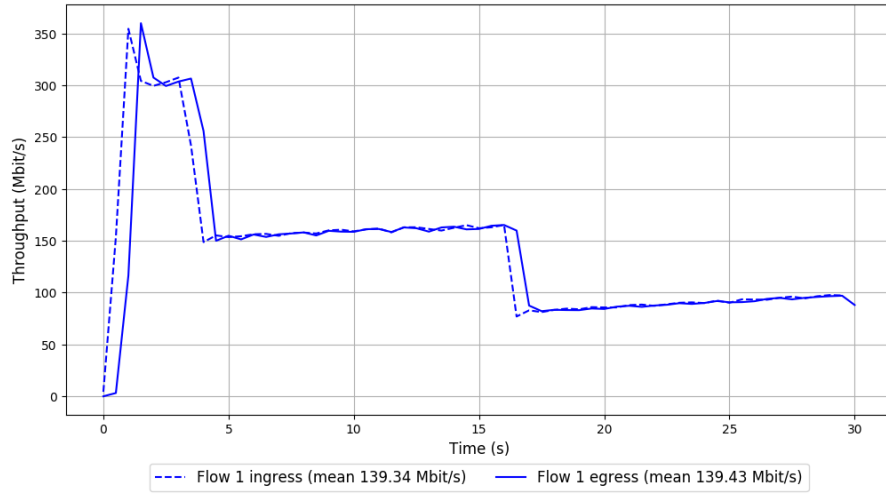
-- Total of 1 flow:

Average throughput: 139.43 Mbit/s
95th percentile per-packet one-way delay: 47.522 ms
Loss rate: 0.26%

-- Flow 1:

Average throughput: 139.43 Mbit/s
95th percentile per-packet one-way delay: 47.522 ms
Loss rate: 0.26%

Run 5: Report of TCP Vegas — Data Link



Run 1: Statistics of Verus

Start at: 2019-05-30 14:52:35

End at: 2019-05-30 14:53:05

Local clock offset: -0.18 ms

Remote clock offset: 0.016 ms

Below is generated by plot.py at 2019-05-30 18:47:53

Datalink statistics

-- Total of 1 flow:

Average throughput: 170.44 Mbit/s

95th percentile per-packet one-way delay: 105.199 ms

Loss rate: 0.81%

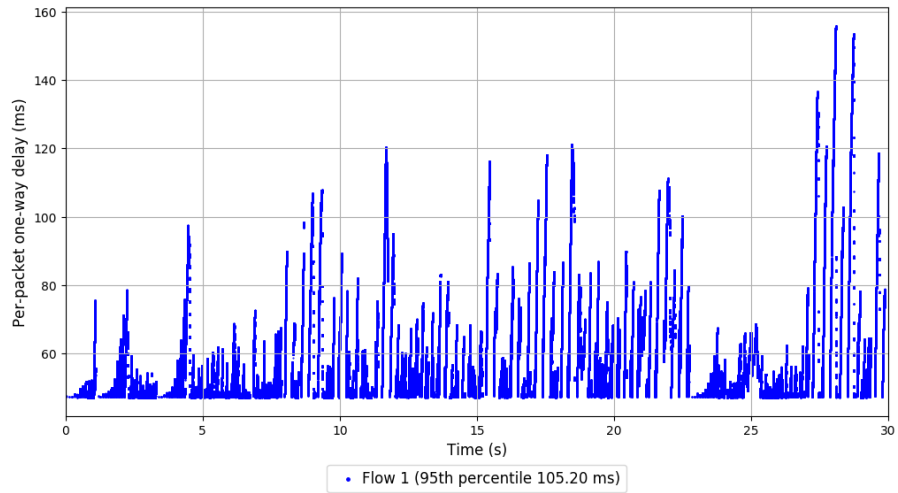
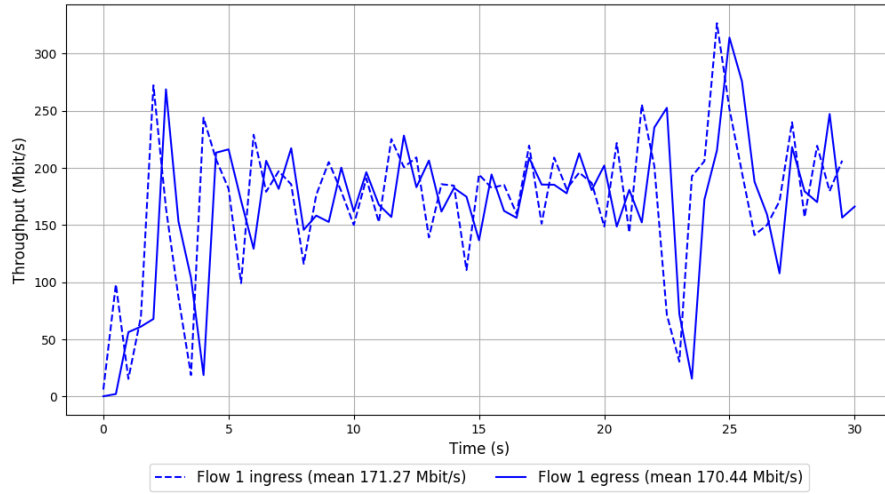
-- Flow 1:

Average throughput: 170.44 Mbit/s

95th percentile per-packet one-way delay: 105.199 ms

Loss rate: 0.81%

Run 1: Report of Verus — Data Link

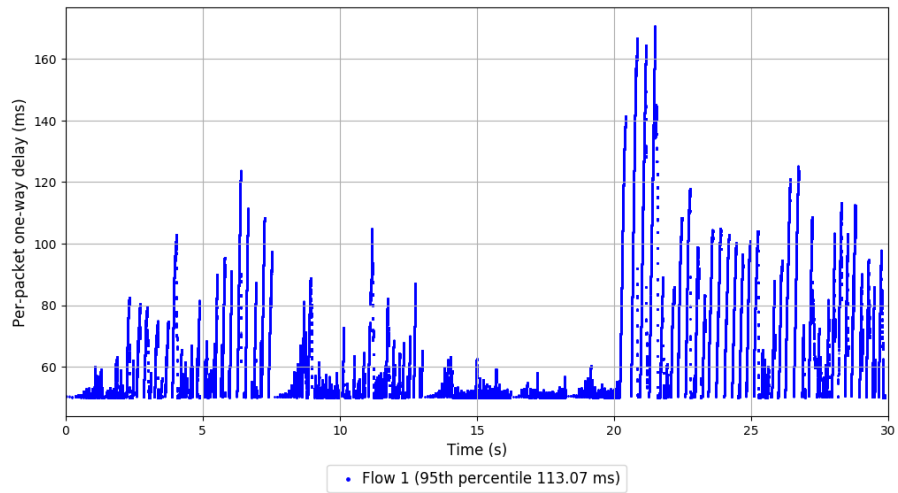
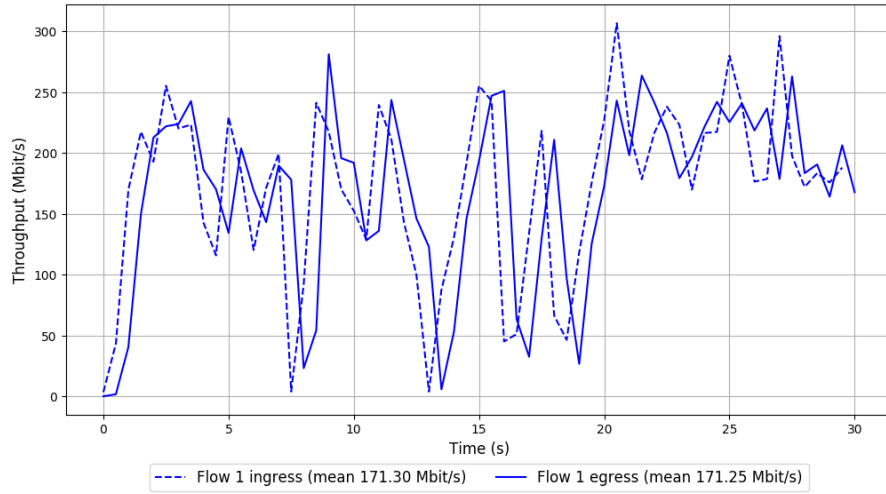


Run 2: Statistics of Verus

Start at: 2019-05-30 15:22:54
End at: 2019-05-30 15:23:24
Local clock offset: -0.078 ms
Remote clock offset: -0.013 ms

Below is generated by plot.py at 2019-05-30 18:48:08
Datalink statistics
-- Total of 1 flow:
Average throughput: 171.25 Mbit/s
95th percentile per-packet one-way delay: 113.071 ms
Loss rate: 0.37%
-- Flow 1:
Average throughput: 171.25 Mbit/s
95th percentile per-packet one-way delay: 113.071 ms
Loss rate: 0.37%

Run 2: Report of Verus — Data Link

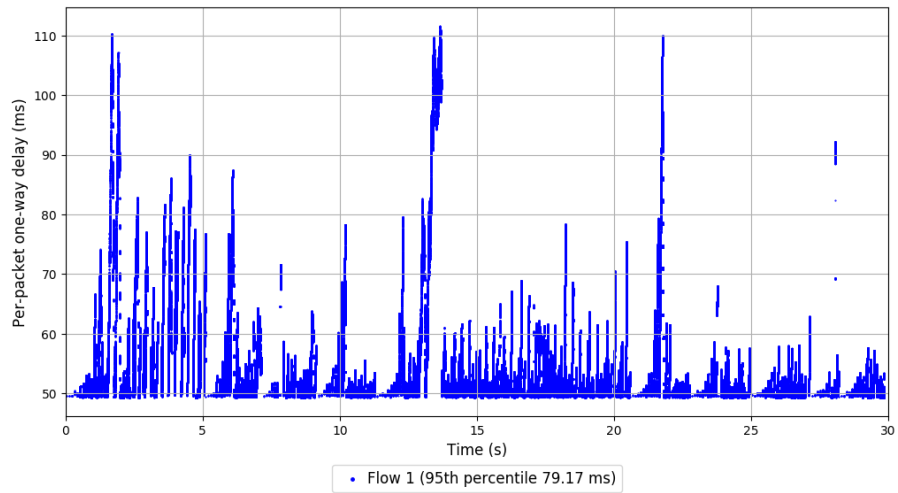
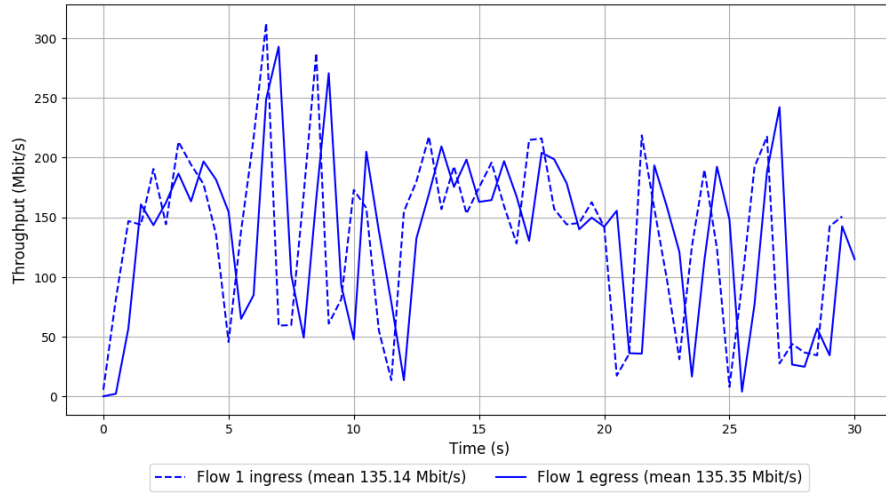


Run 3: Statistics of Verus

Start at: 2019-05-30 15:52:58
End at: 2019-05-30 15:53:28
Local clock offset: -0.051 ms
Remote clock offset: -0.045 ms

Below is generated by plot.py at 2019-05-30 18:48:08
Datalink statistics
-- Total of 1 flow:
Average throughput: 135.35 Mbit/s
95th percentile per-packet one-way delay: 79.170 ms
Loss rate: 0.44%
-- Flow 1:
Average throughput: 135.35 Mbit/s
95th percentile per-packet one-way delay: 79.170 ms
Loss rate: 0.44%

Run 3: Report of Verus — Data Link

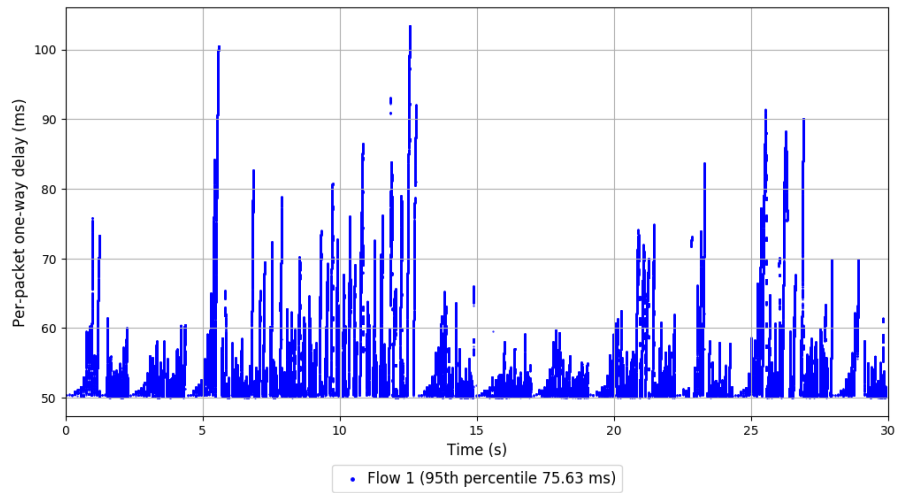
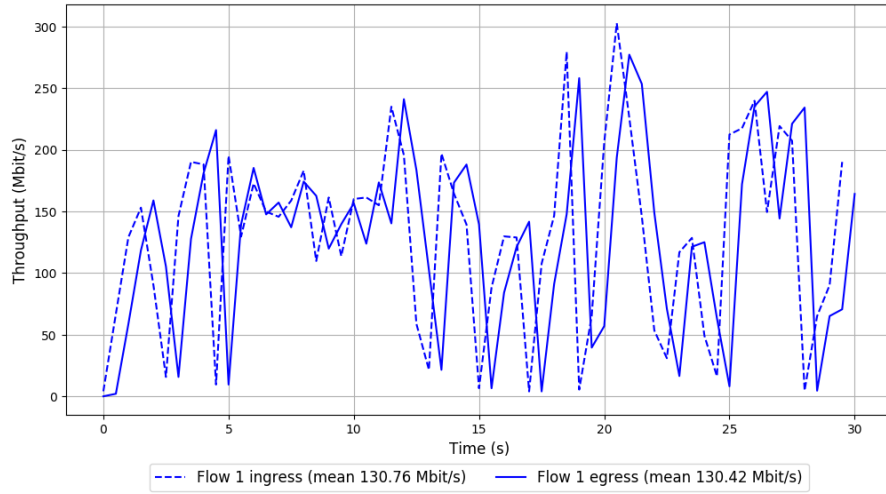


Run 4: Statistics of Verus

Start at: 2019-05-30 16:22:49
End at: 2019-05-30 16:23:19
Local clock offset: -0.085 ms
Remote clock offset: -0.149 ms

Below is generated by plot.py at 2019-05-30 18:48:08
Datalink statistics
-- Total of 1 flow:
Average throughput: 130.42 Mbit/s
95th percentile per-packet one-way delay: 75.631 ms
Loss rate: 0.60%
-- Flow 1:
Average throughput: 130.42 Mbit/s
95th percentile per-packet one-way delay: 75.631 ms
Loss rate: 0.60%

Run 4: Report of Verus — Data Link

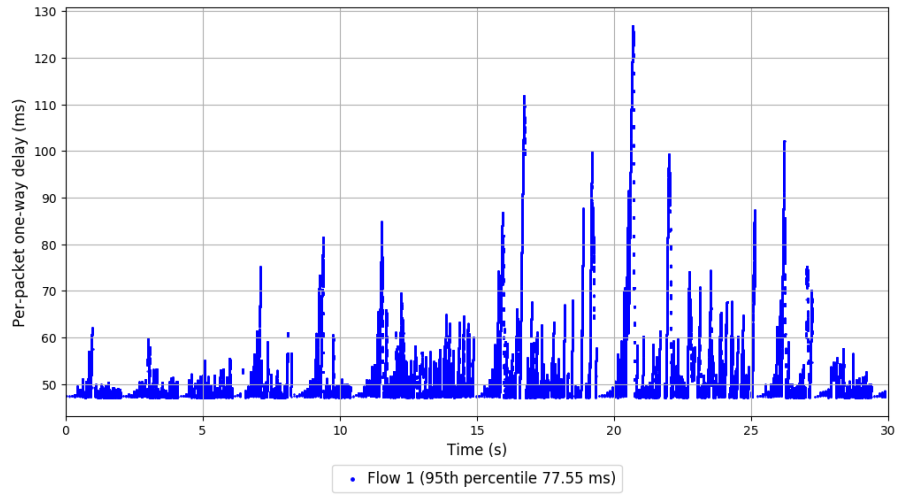
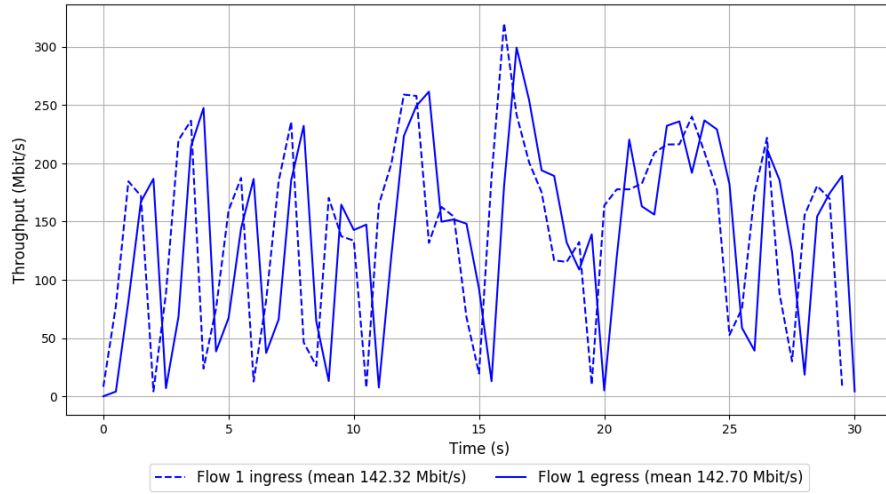


Run 5: Statistics of Verus

Start at: 2019-05-30 16:52:34
End at: 2019-05-30 16:53:04
Local clock offset: -0.171 ms
Remote clock offset: -0.058 ms

Below is generated by plot.py at 2019-05-30 18:48:08
Datalink statistics
-- Total of 1 flow:
Average throughput: 142.70 Mbit/s
95th percentile per-packet one-way delay: 77.548 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 142.70 Mbit/s
95th percentile per-packet one-way delay: 77.548 ms
Loss rate: 0.05%

Run 5: Report of Verus — Data Link



Run 1: Statistics of PCC-Vivace

Start at: 2019-05-30 14:56:54

End at: 2019-05-30 14:57:24

Local clock offset: -0.187 ms

Remote clock offset: -0.023 ms

Below is generated by plot.py at 2019-05-30 18:49:44

Datalink statistics

-- Total of 1 flow:

Average throughput: 314.19 Mbit/s

95th percentile per-packet one-way delay: 51.827 ms

Loss rate: 0.49%

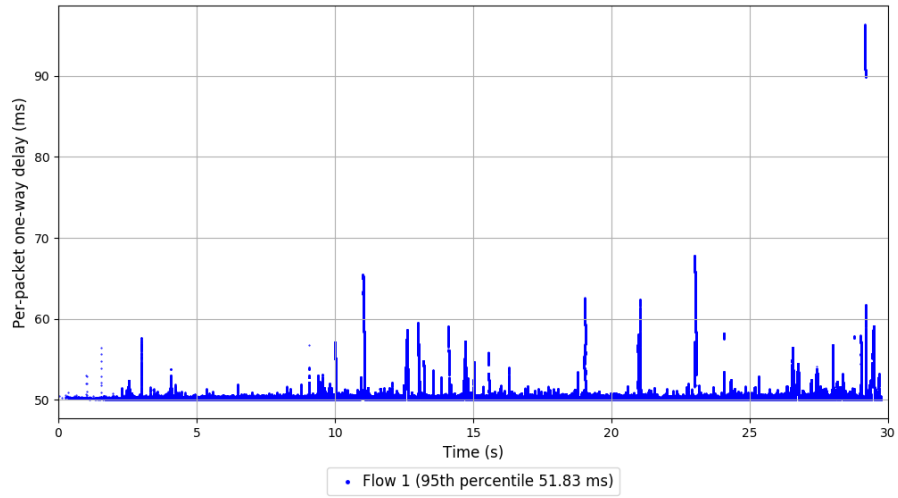
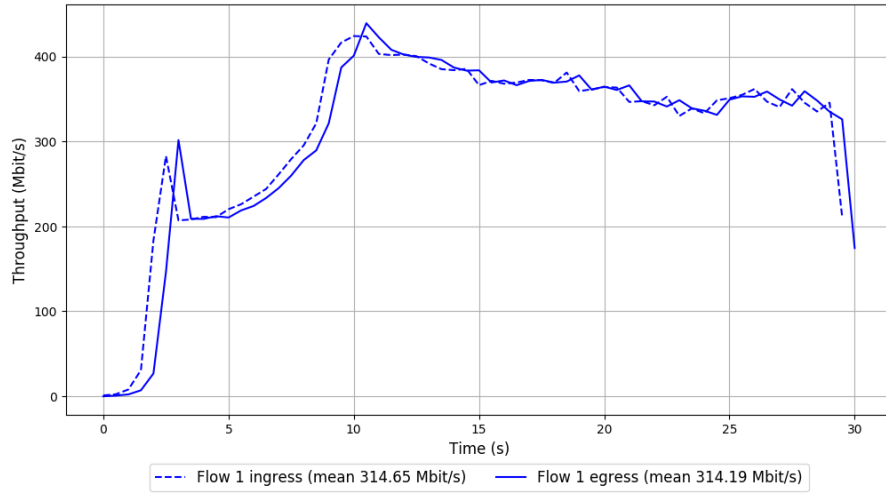
-- Flow 1:

Average throughput: 314.19 Mbit/s

95th percentile per-packet one-way delay: 51.827 ms

Loss rate: 0.49%

Run 1: Report of PCC-Vivace — Data Link



Run 2: Statistics of PCC-Vivace

Start at: 2019-05-30 15:27:15

End at: 2019-05-30 15:27:45

Local clock offset: -0.09 ms

Remote clock offset: -0.003 ms

Below is generated by plot.py at 2019-05-30 18:49:56

Datalink statistics

-- Total of 1 flow:

Average throughput: 305.80 Mbit/s

95th percentile per-packet one-way delay: 57.981 ms

Loss rate: 0.42%

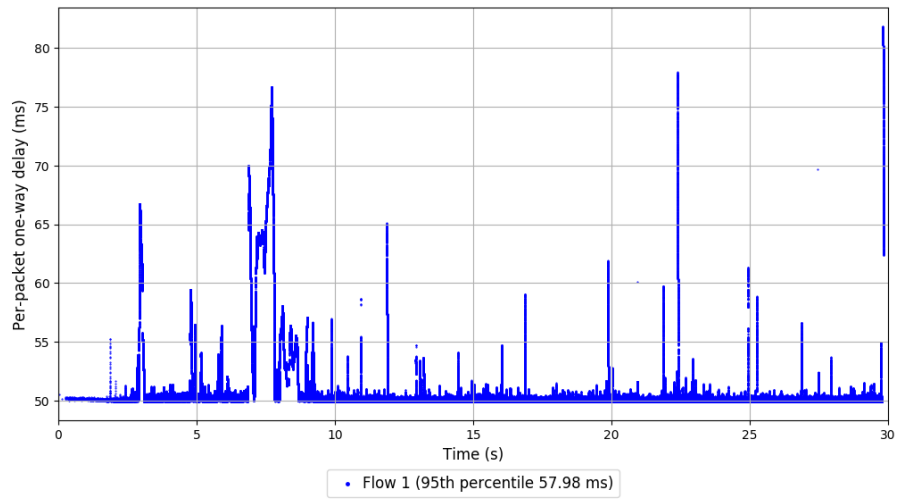
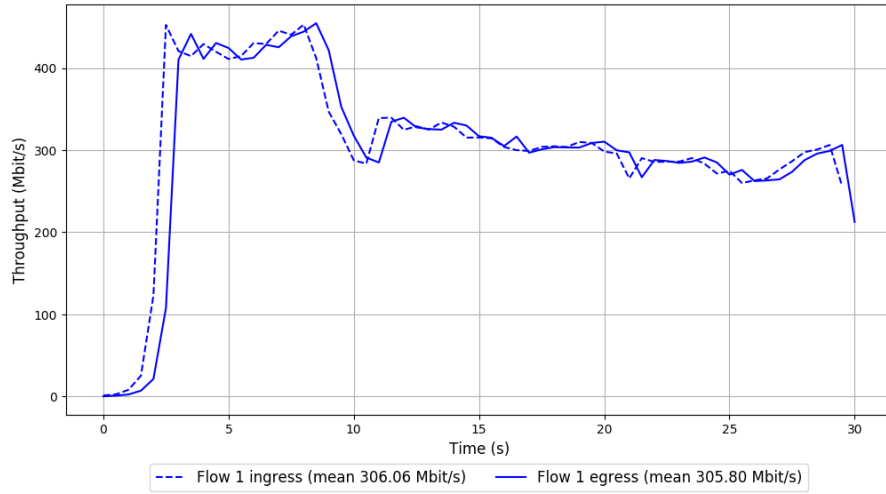
-- Flow 1:

Average throughput: 305.80 Mbit/s

95th percentile per-packet one-way delay: 57.981 ms

Loss rate: 0.42%

Run 2: Report of PCC-Vivace — Data Link



Run 3: Statistics of PCC-Vivace

Start at: 2019-05-30 15:57:16

End at: 2019-05-30 15:57:46

Local clock offset: -0.099 ms

Remote clock offset: -0.054 ms

Below is generated by plot.py at 2019-05-30 18:50:15

Datalink statistics

-- Total of 1 flow:

Average throughput: 348.16 Mbit/s

95th percentile per-packet one-way delay: 62.476 ms

Loss rate: 0.50%

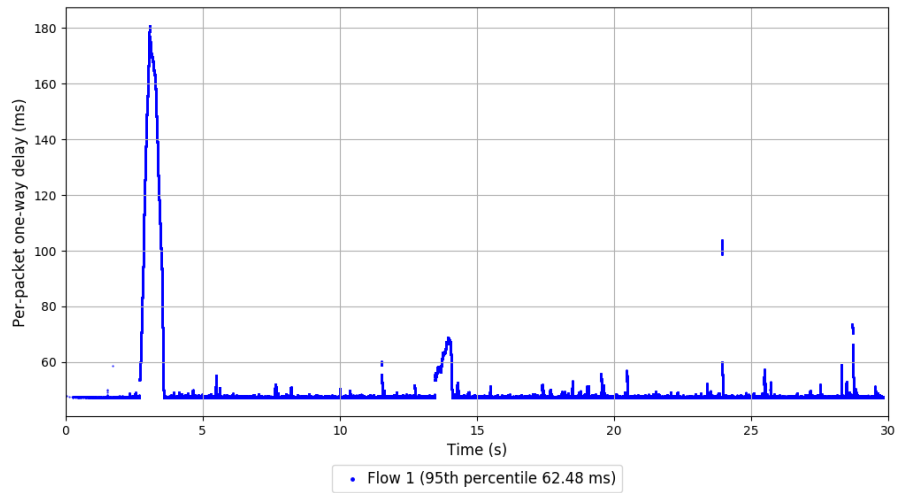
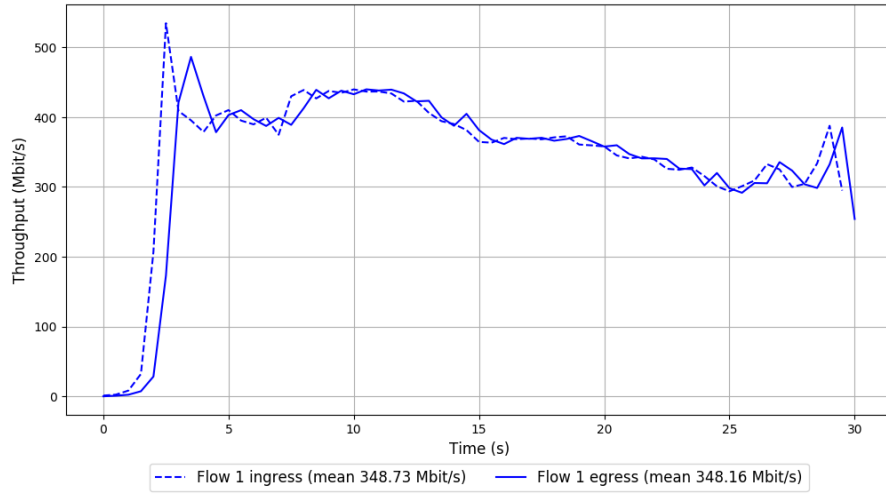
-- Flow 1:

Average throughput: 348.16 Mbit/s

95th percentile per-packet one-way delay: 62.476 ms

Loss rate: 0.50%

Run 3: Report of PCC-Vivace — Data Link



Run 4: Statistics of PCC-Vivace

Start at: 2019-05-30 16:27:09

End at: 2019-05-30 16:27:39

Local clock offset: -0.123 ms

Remote clock offset: -0.024 ms

Below is generated by plot.py at 2019-05-30 18:50:15

Datalink statistics

-- Total of 1 flow:

Average throughput: 169.13 Mbit/s

95th percentile per-packet one-way delay: 46.637 ms

Loss rate: 0.86%

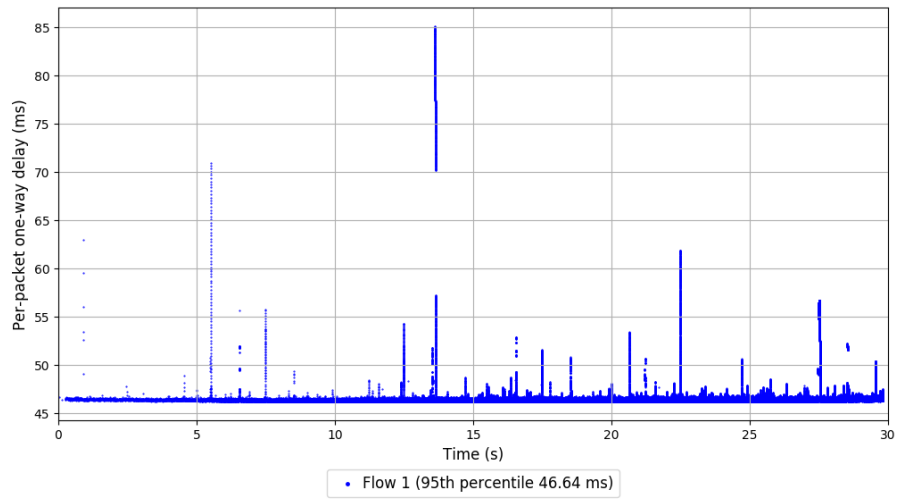
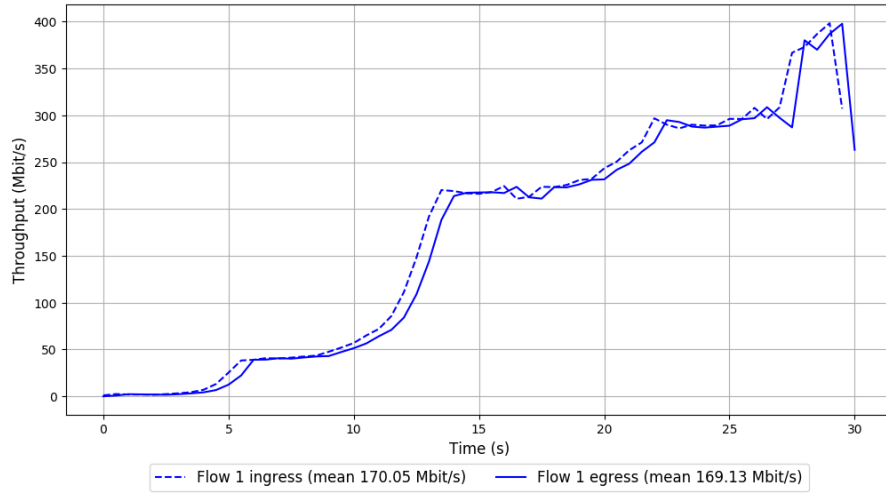
-- Flow 1:

Average throughput: 169.13 Mbit/s

95th percentile per-packet one-way delay: 46.637 ms

Loss rate: 0.86%

Run 4: Report of PCC-Vivace — Data Link



Run 5: Statistics of PCC-Vivace

Start at: 2019-05-30 16:56:51

End at: 2019-05-30 16:57:21

Local clock offset: -0.131 ms

Remote clock offset: -0.07 ms

Below is generated by plot.py at 2019-05-30 18:50:18

Datalink statistics

-- Total of 1 flow:

Average throughput: 327.69 Mbit/s

95th percentile per-packet one-way delay: 54.838 ms

Loss rate: 0.54%

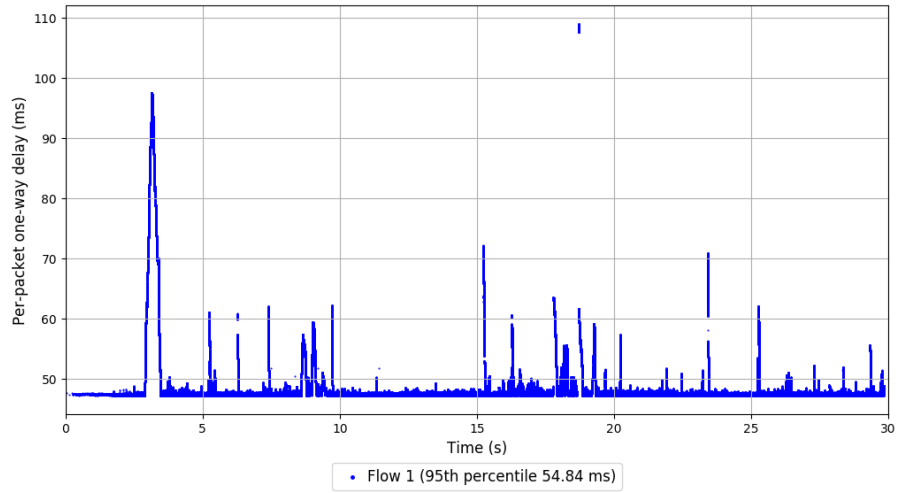
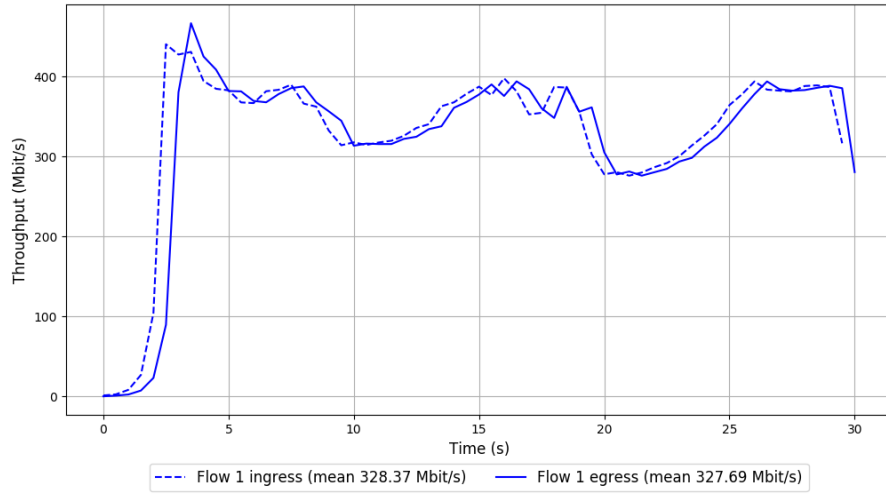
-- Flow 1:

Average throughput: 327.69 Mbit/s

95th percentile per-packet one-way delay: 54.838 ms

Loss rate: 0.54%

Run 5: Report of PCC-Vivace — Data Link



Run 1: Statistics of WebRTC media

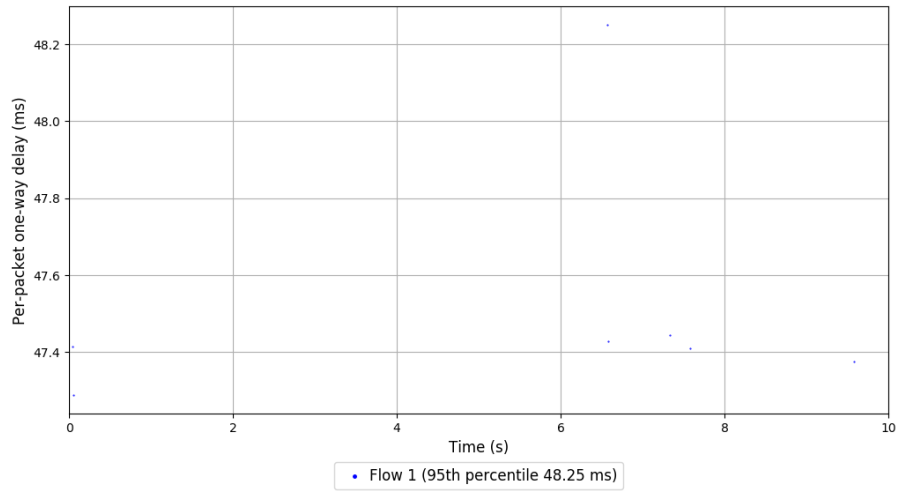
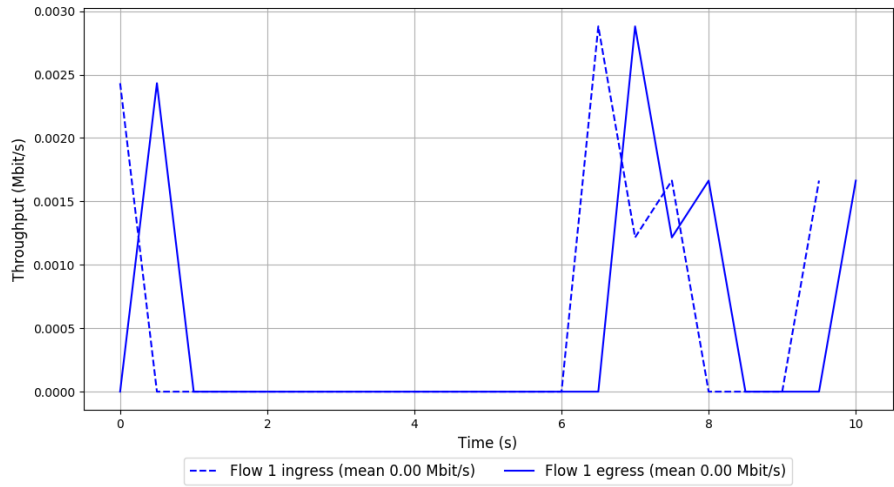
Start at: 2019-05-30 14:34:43

End at: 2019-05-30 14:35:13

Local clock offset: -0.133 ms

Remote clock offset: -0.144 ms

Run 1: Report of WebRTC media — Data Link



Run 2: Statistics of WebRTC media

Start at: 2019-05-30 15:04:19

End at: 2019-05-30 15:04:49

Local clock offset: -0.223 ms

Remote clock offset: 0.074 ms

Below is generated by plot.py at 2019-05-30 18:50:18

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.05 Mbit/s

95th percentile per-packet one-way delay: 50.361 ms

Loss rate: 0.00%

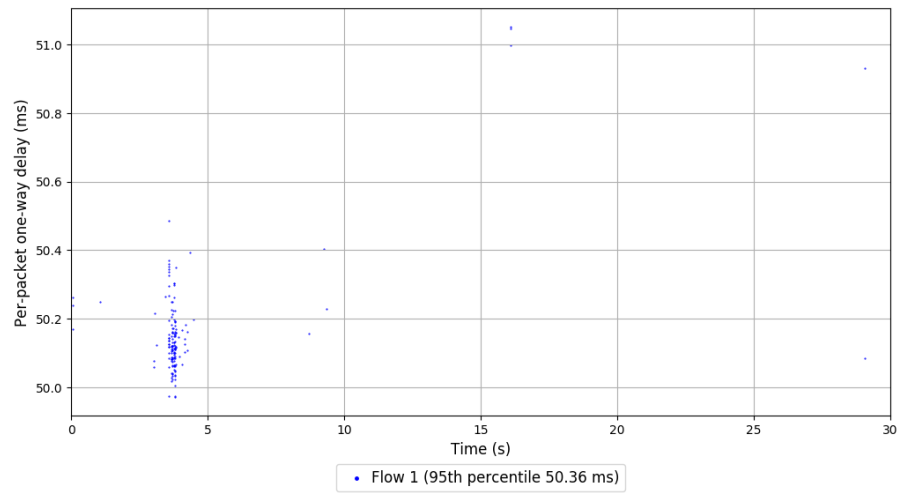
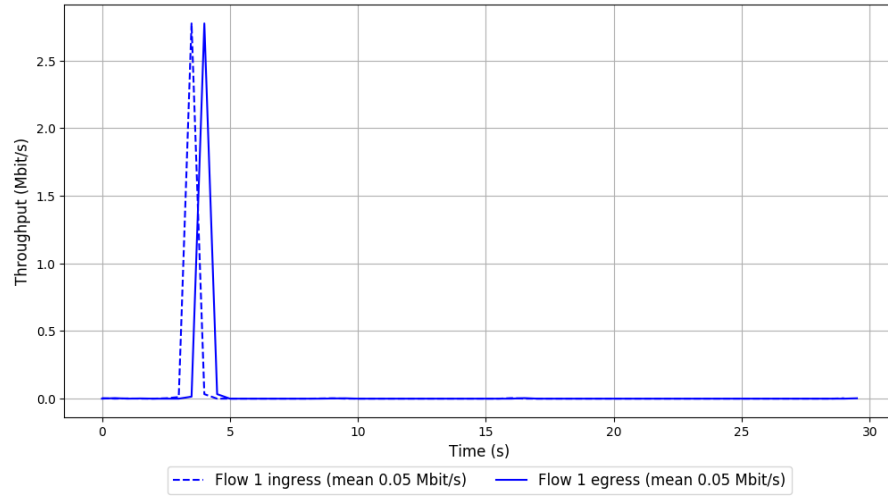
-- Flow 1:

Average throughput: 0.05 Mbit/s

95th percentile per-packet one-way delay: 50.361 ms

Loss rate: 0.00%

Run 2: Report of WebRTC media — Data Link

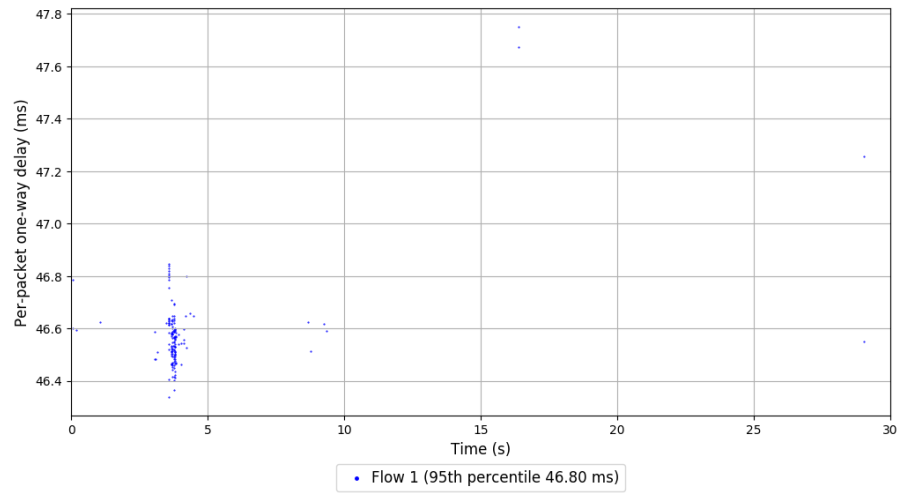
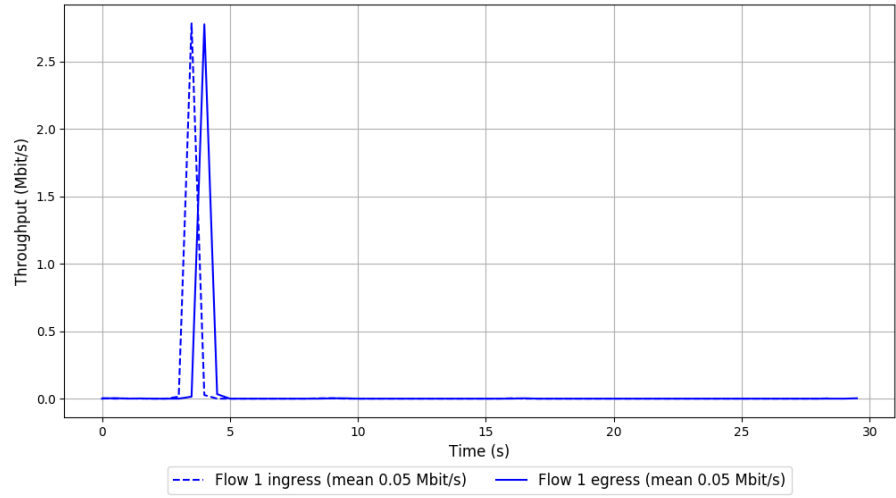


Run 3: Statistics of WebRTC media

Start at: 2019-05-30 15:34:40
End at: 2019-05-30 15:35:10
Local clock offset: -0.043 ms
Remote clock offset: -0.017 ms

Below is generated by plot.py at 2019-05-30 18:50:18
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 46.801 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 46.801 ms
Loss rate: 0.00%

Run 3: Report of WebRTC media — Data Link

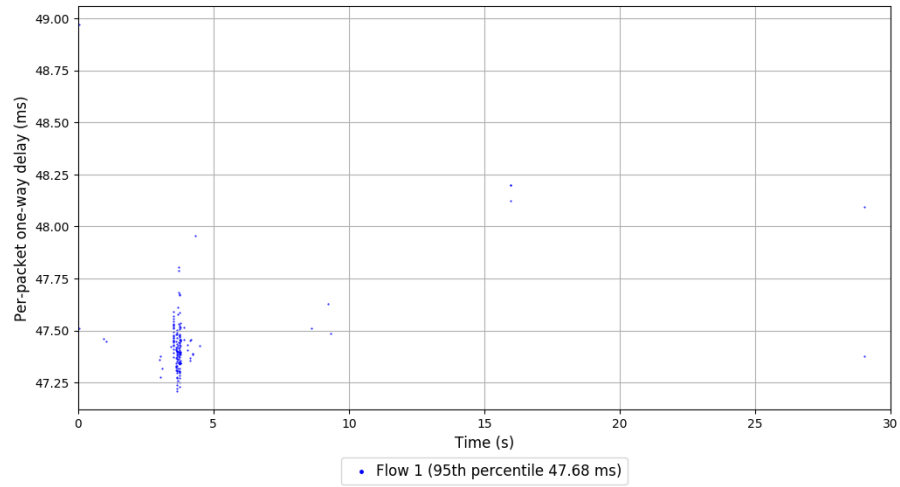
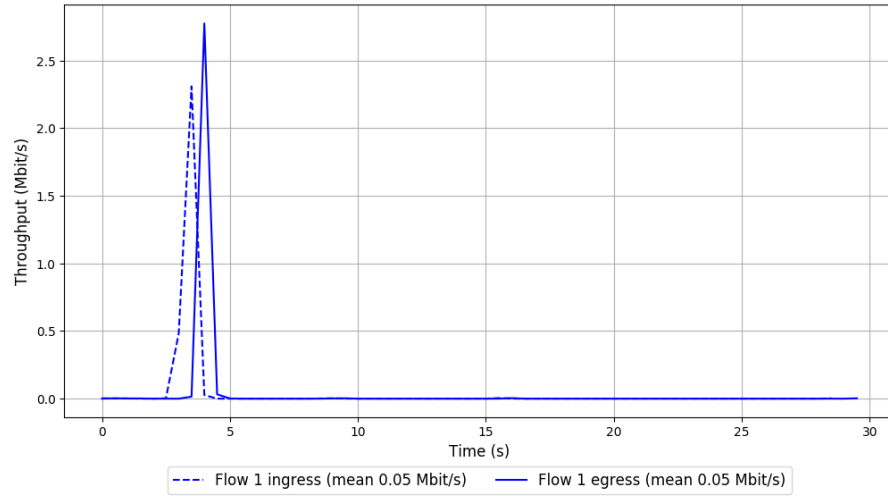


Run 4: Statistics of WebRTC media

Start at: 2019-05-30 16:04:43
End at: 2019-05-30 16:05:13
Local clock offset: -0.109 ms
Remote clock offset: -0.087 ms

Below is generated by plot.py at 2019-05-30 18:50:18
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 47.684 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 47.684 ms
Loss rate: 0.00%

Run 4: Report of WebRTC media — Data Link



Run 5: Statistics of WebRTC media

Start at: 2019-05-30 16:34:25

End at: 2019-05-30 16:34:55

Local clock offset: -0.121 ms

Remote clock offset: -0.089 ms

Run 5: Report of WebRTC media — Data Link

