

Pantheon Report

Generated at 2019-08-27 20:15:42 (UTC).

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

Repeated the test of 24 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:

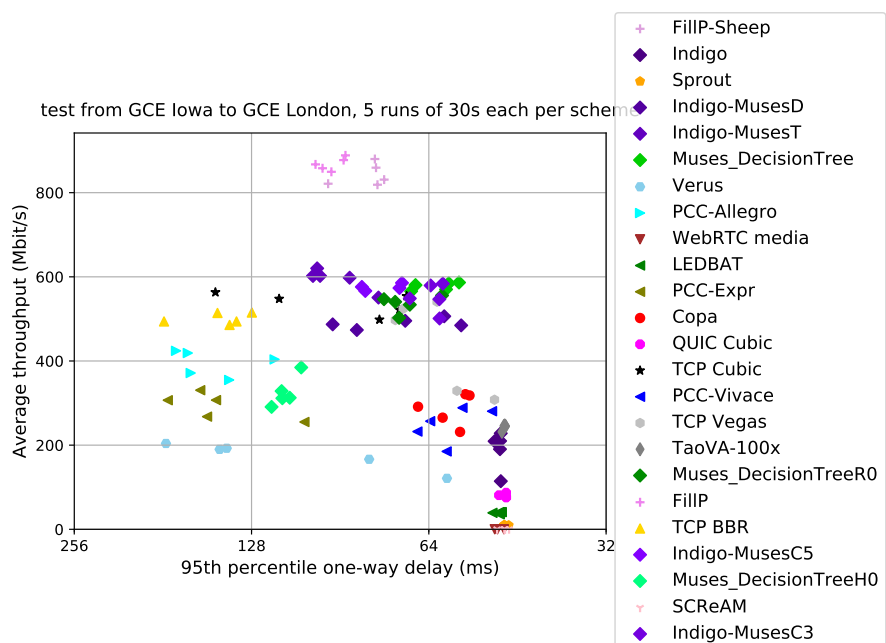
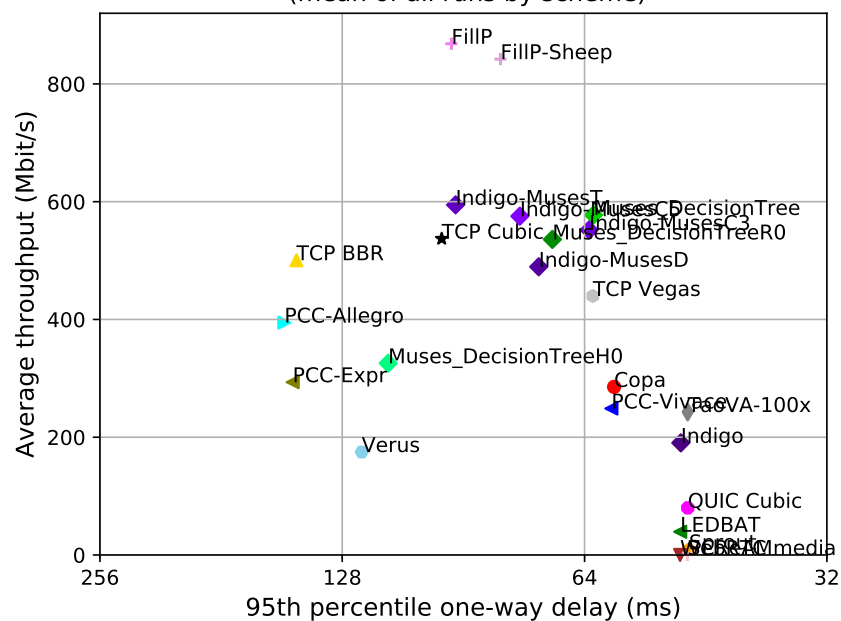
```
Linux 4.15.0-1036-gcp
net.core.default_qdisc = fq
net.core.rmem_default = 16777216
net.core.rmem_max = 536870912
net.core.wmem_default = 16777216
net.core.wmem_max = 536870912
net.ipv4.tcp_rmem = 4096 16777216 536870912
net.ipv4.tcp_wmem = 4096 16777216 536870912
```

Git summary:

```
branch: muses @ de42328552b3776a75a932a94dfafd722537b0ec
third_party/fillp @ d6da1459332fcee56963885d7eba17e6a32d4519
third_party/fillp-sheep @ 0e5bb722943babcd2b090d2c64fcd45e12e923f9
third_party/genericCC @ d0153f8e594aa89e93b032143cedbdf58e562f4
third_party/indigo @ 2601c92e4aa9d58d38dc4dfe0ecd90c077e64d
third_party/libutp @ b3465b942e2826f2b179eaab4a906ce6bb7cf3cf
third_party/muses @ 5ce721187ad823da20955337730c746486ca4966
third_party/muses_dtree @ 387225f7b5f61ddbe92d708a8869ffbb84eb3200
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)



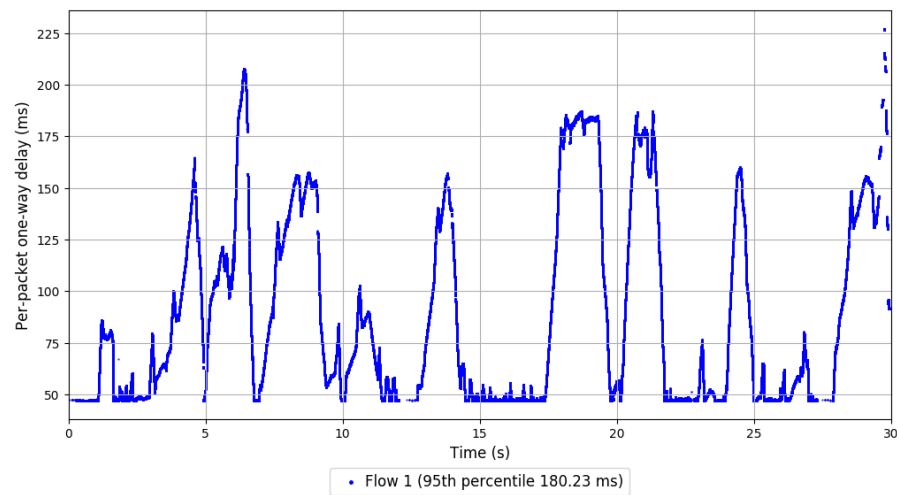
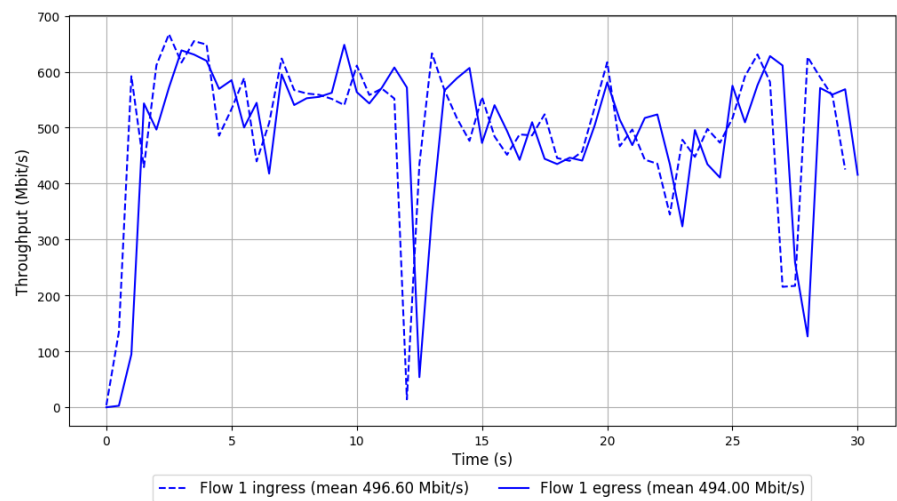
scheme	# runs	mean avg tput (Mbit/s) flow 1	mean 95th-%ile delay (ms) flow 1	mean loss rate (%) flow 1
TCP BBR	5	500.61	145.91	0.59
Copa	5	285.46	58.82	0.32
TCP Cubic	5	537.02	96.31	0.37
FillP	5	868.19	93.66	0.69
FillP-Sheep	5	842.11	81.41	0.55
Indigo	5	190.42	48.60	0.37
Indigo-MusesC3	5	551.97	63.17	0.36
Indigo-MusesC5	4	575.38	77.02	0.37
Indigo-MusesD	5	489.43	72.97	0.30
Indigo-MusesT	5	594.62	92.56	0.41
LEDBAT	5	39.50	48.69	0.59
Muses_DecisionTree	5	577.51	62.38	0.32
Muses_DecisionTreeH0	5	325.62	112.26	0.54
Muses_DecisionTreeR0	5	535.93	70.17	0.36
PCC-Allegro	5	394.64	151.04	2.59
PCC-Expr	5	293.45	147.52	2.60
QUIC Cubic	4	80.05	47.64	0.42
SCReAM	5	0.22	47.69	0.33
Sprout	5	9.57	47.48	0.36
TaoVA-100x	5	242.86	47.65	0.32
TCP Vegas	5	439.88	62.50	0.30
Verus	5	174.83	121.07	0.56
PCC-Vivace	5	248.75	59.28	0.47
WebRTC media	3	0.05	48.70	0.00

Run 1: Statistics of TCP BBR

Start at: 2019-08-27 15:48:30
End at: 2019-08-27 15:49:00
Local clock offset: -0.186 ms
Remote clock offset: -0.031 ms

Below is generated by plot.py at 2019-08-27 18:46:06
Datalink statistics
-- Total of 1 flow:
Average throughput: 494.00 Mbit/s
95th percentile per-packet one-way delay: 180.227 ms
Loss rate: 0.84%
-- Flow 1:
Average throughput: 494.00 Mbit/s
95th percentile per-packet one-way delay: 180.227 ms
Loss rate: 0.84%

Run 1: Report of TCP BBR — Data Link



Run 2: Statistics of TCP BBR

Start at: 2019-08-27 16:22:33

End at: 2019-08-27 16:23:03

Local clock offset: -0.225 ms

Remote clock offset: 0.013 ms

Below is generated by plot.py at 2019-08-27 18:46:06

Datalink statistics

-- Total of 1 flow:

Average throughput: 485.70 Mbit/s

95th percentile per-packet one-way delay: 139.479 ms

Loss rate: 0.50%

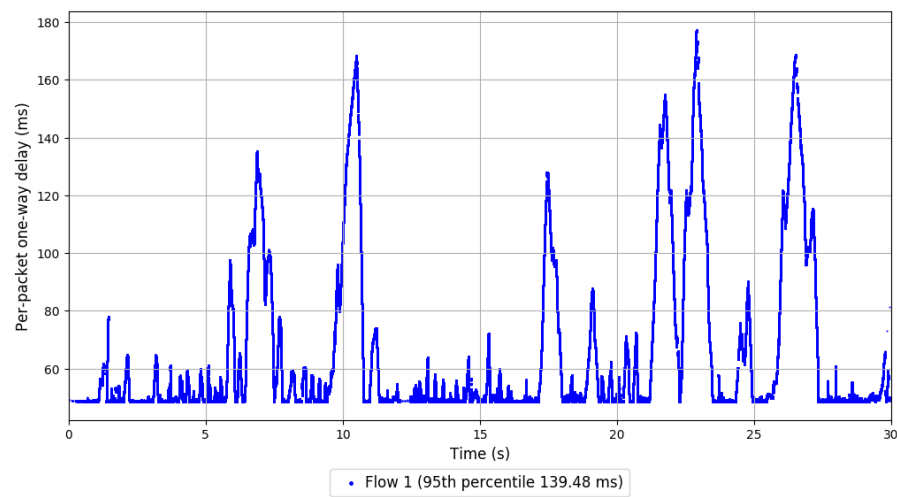
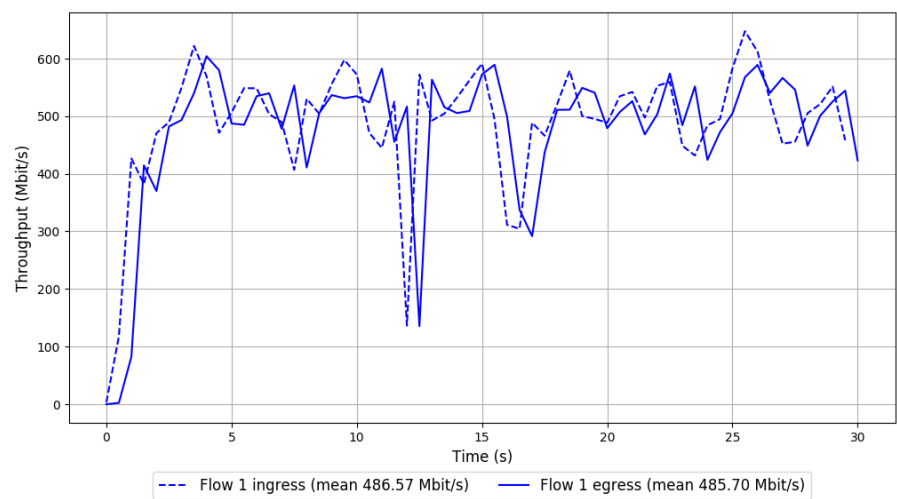
-- Flow 1:

Average throughput: 485.70 Mbit/s

95th percentile per-packet one-way delay: 139.479 ms

Loss rate: 0.50%

Run 2: Report of TCP BBR — Data Link



Run 3: Statistics of TCP BBR

Start at: 2019-08-27 16:56:44

End at: 2019-08-27 16:57:15

Local clock offset: -0.243 ms

Remote clock offset: 0.029 ms

Below is generated by plot.py at 2019-08-27 18:46:18

Datalink statistics

-- Total of 1 flow:

Average throughput: 514.15 Mbit/s

95th percentile per-packet one-way delay: 146.229 ms

Loss rate: 0.54%

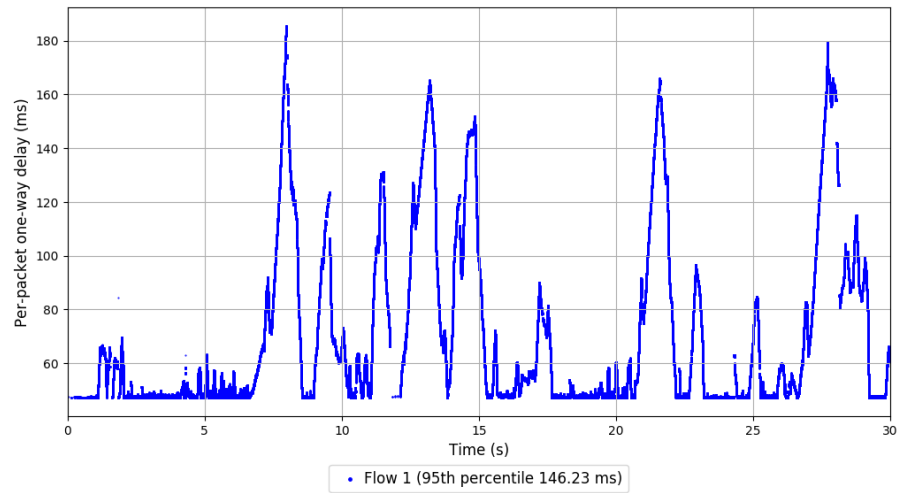
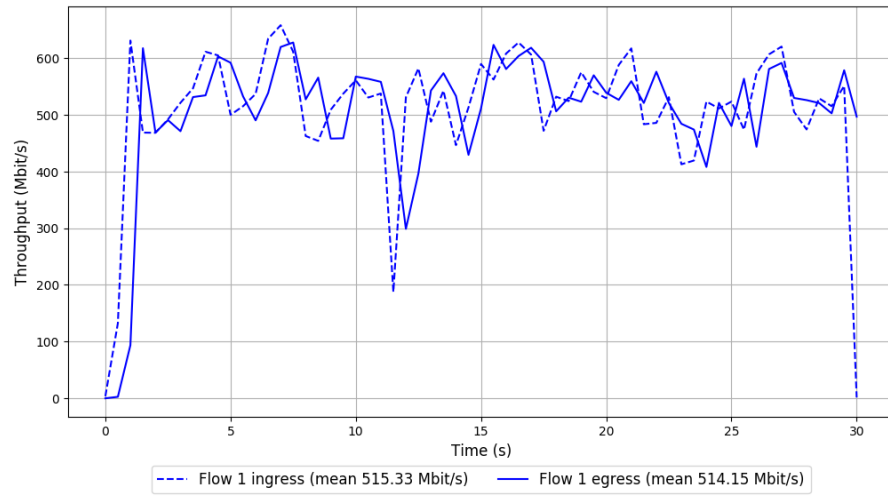
-- Flow 1:

Average throughput: 514.15 Mbit/s

95th percentile per-packet one-way delay: 146.229 ms

Loss rate: 0.54%

Run 3: Report of TCP BBR — Data Link



Run 4: Statistics of TCP BBR

Start at: 2019-08-27 17:30:53

End at: 2019-08-27 17:31:23

Local clock offset: -0.337 ms

Remote clock offset: 0.05 ms

Below is generated by plot.py at 2019-08-27 18:46:18

Datalink statistics

-- Total of 1 flow:

Average throughput: 494.02 Mbit/s

95th percentile per-packet one-way delay: 135.753 ms

Loss rate: 0.75%

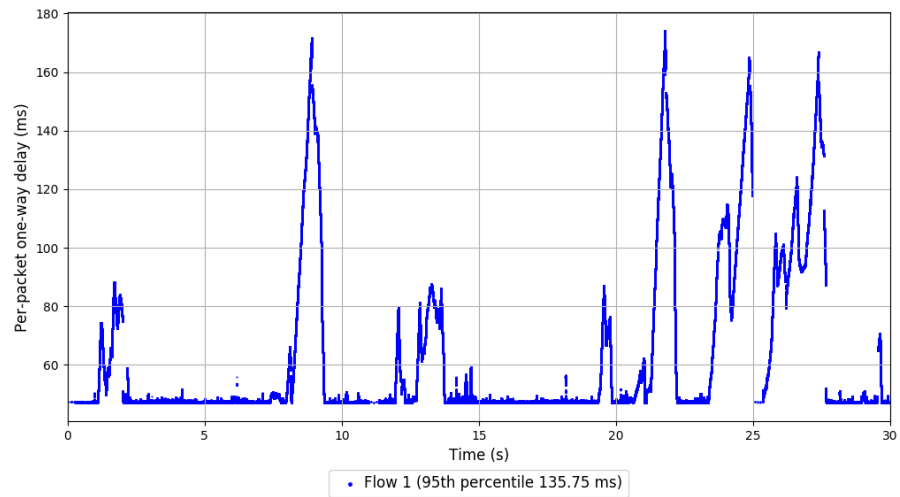
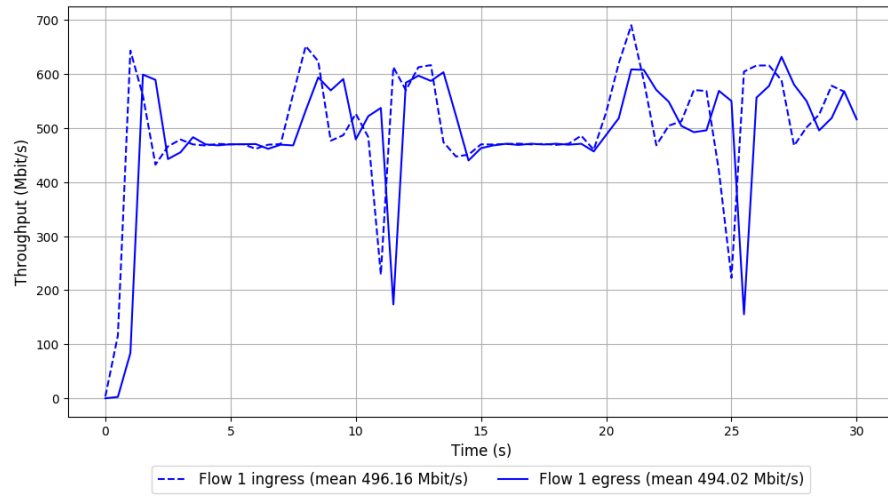
-- Flow 1:

Average throughput: 494.02 Mbit/s

95th percentile per-packet one-way delay: 135.753 ms

Loss rate: 0.75%

Run 4: Report of TCP BBR — Data Link

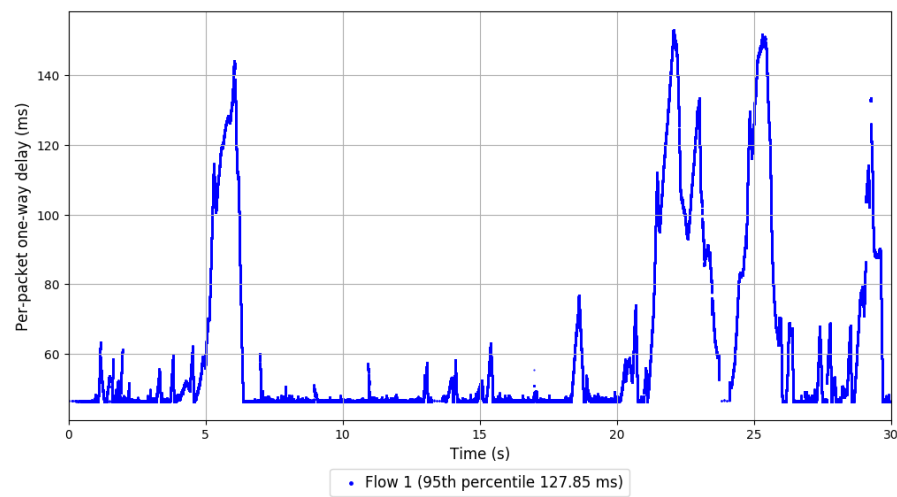
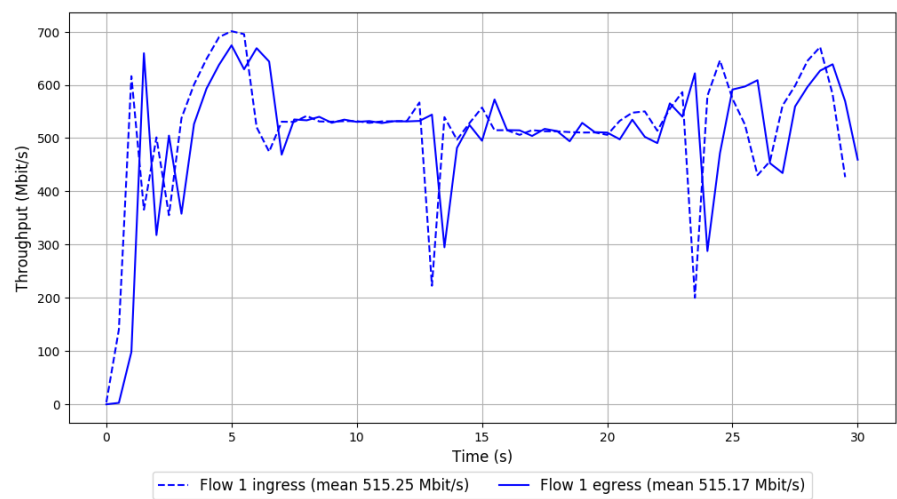


Run 5: Statistics of TCP BBR

Start at: 2019-08-27 18:05:00
End at: 2019-08-27 18:05:30
Local clock offset: -0.348 ms
Remote clock offset: -0.162 ms

Below is generated by plot.py at 2019-08-27 18:46:18
Datalink statistics
-- Total of 1 flow:
Average throughput: 515.17 Mbit/s
95th percentile per-packet one-way delay: 127.850 ms
Loss rate: 0.33%
-- Flow 1:
Average throughput: 515.17 Mbit/s
95th percentile per-packet one-way delay: 127.850 ms
Loss rate: 0.33%

Run 5: Report of TCP BBR — Data Link

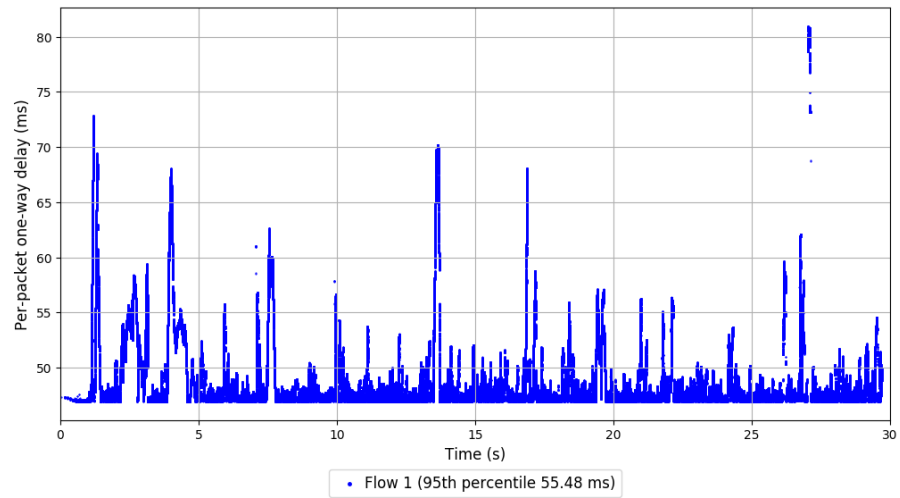
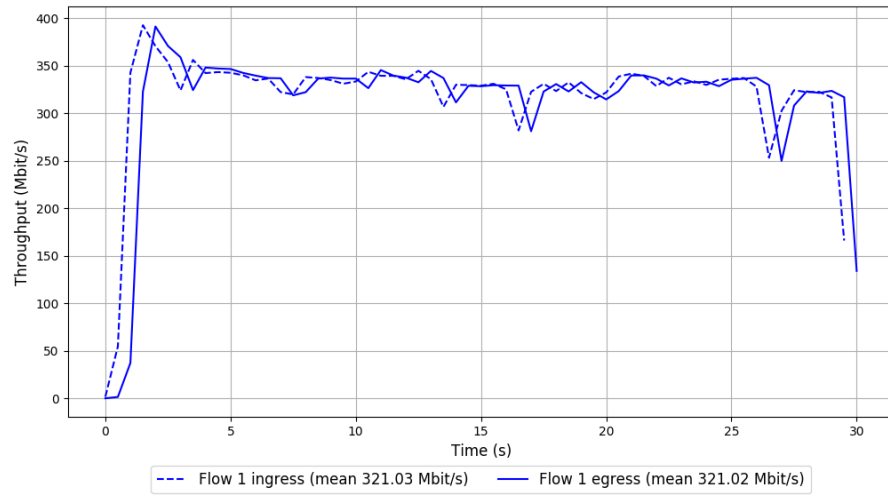


Run 1: Statistics of Copa

Start at: 2019-08-27 15:42:46
End at: 2019-08-27 15:43:17
Local clock offset: -0.197 ms
Remote clock offset: -0.002 ms

Below is generated by plot.py at 2019-08-27 18:47:19
Datalink statistics
-- Total of 1 flow:
Average throughput: 321.02 Mbit/s
95th percentile per-packet one-way delay: 55.477 ms
Loss rate: 0.32%
-- Flow 1:
Average throughput: 321.02 Mbit/s
95th percentile per-packet one-way delay: 55.477 ms
Loss rate: 0.32%

Run 1: Report of Copa — Data Link

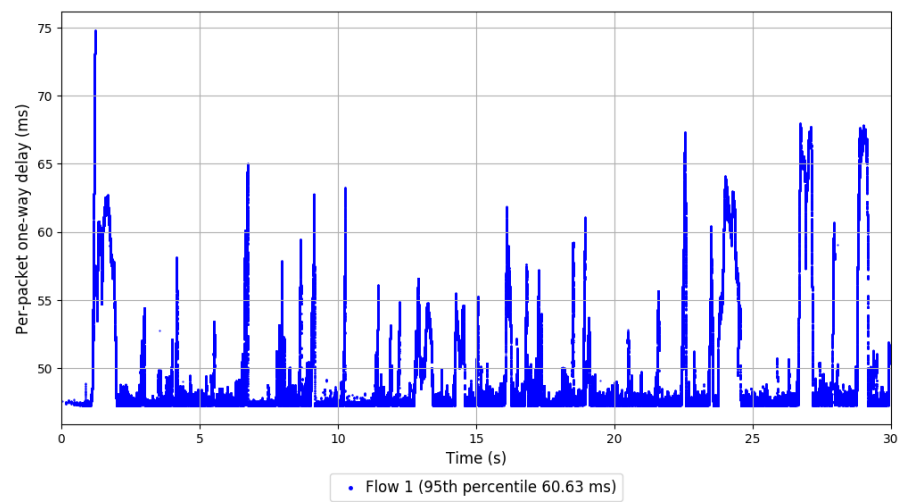
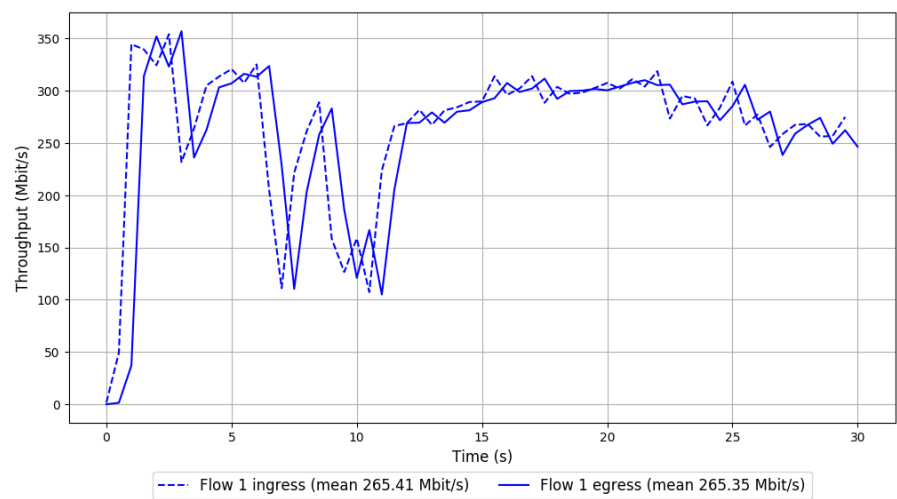


Run 2: Statistics of Copa

Start at: 2019-08-27 16:16:59
End at: 2019-08-27 16:17:29
Local clock offset: -0.158 ms
Remote clock offset: -0.016 ms

Below is generated by plot.py at 2019-08-27 18:47:19
Datalink statistics
-- Total of 1 flow:
Average throughput: 265.35 Mbit/s
95th percentile per-packet one-way delay: 60.635 ms
Loss rate: 0.34%
-- Flow 1:
Average throughput: 265.35 Mbit/s
95th percentile per-packet one-way delay: 60.635 ms
Loss rate: 0.34%

Run 2: Report of Copa — Data Link

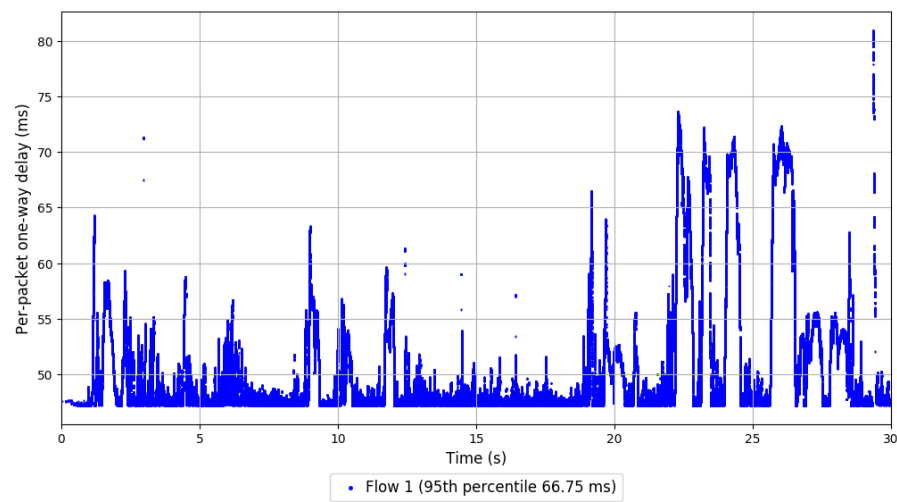
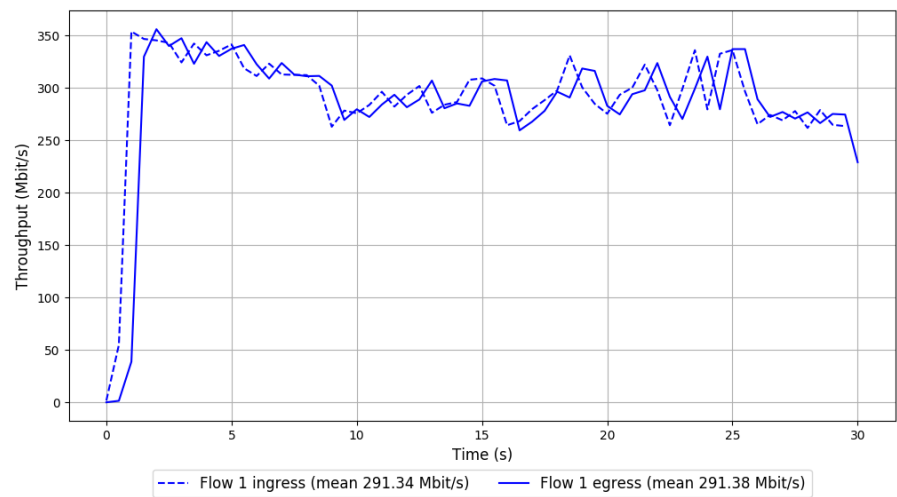


Run 3: Statistics of Copa

Start at: 2019-08-27 16:51:10
End at: 2019-08-27 16:51:40
Local clock offset: -0.193 ms
Remote clock offset: -0.009 ms

Below is generated by plot.py at 2019-08-27 18:47:19
Datalink statistics
-- Total of 1 flow:
Average throughput: 291.38 Mbit/s
95th percentile per-packet one-way delay: 66.755 ms
Loss rate: 0.30%
-- Flow 1:
Average throughput: 291.38 Mbit/s
95th percentile per-packet one-way delay: 66.755 ms
Loss rate: 0.30%

Run 3: Report of Copa — Data Link



Run 4: Statistics of Copa

Start at: 2019-08-27 17:25:20

End at: 2019-08-27 17:25:50

Local clock offset: -0.301 ms

Remote clock offset: 0.023 ms

Below is generated by plot.py at 2019-08-27 18:52:30

Datalink statistics

-- Total of 1 flow:

Average throughput: 231.45 Mbit/s

95th percentile per-packet one-way delay: 56.644 ms

Loss rate: 0.36%

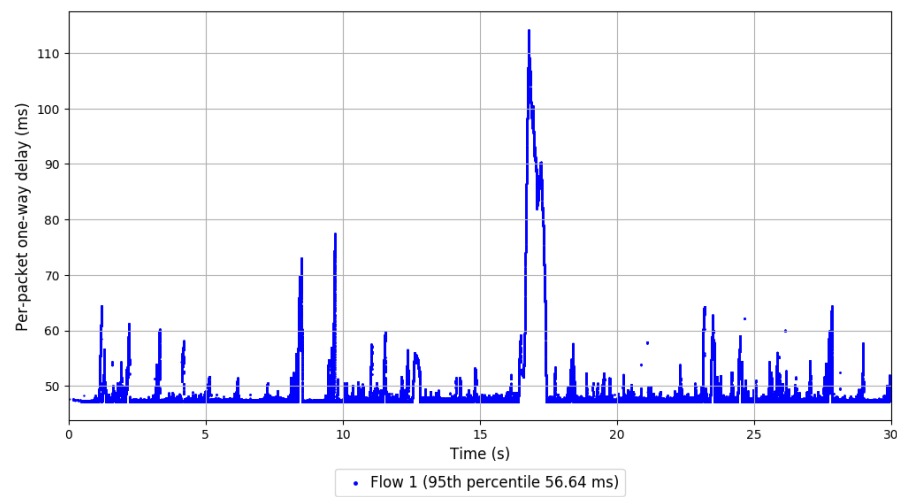
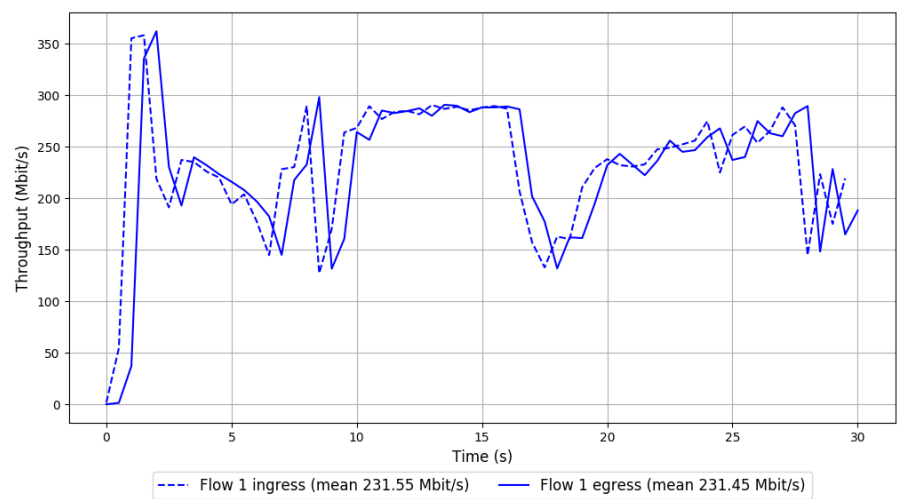
-- Flow 1:

Average throughput: 231.45 Mbit/s

95th percentile per-packet one-way delay: 56.644 ms

Loss rate: 0.36%

Run 4: Report of Copa — Data Link

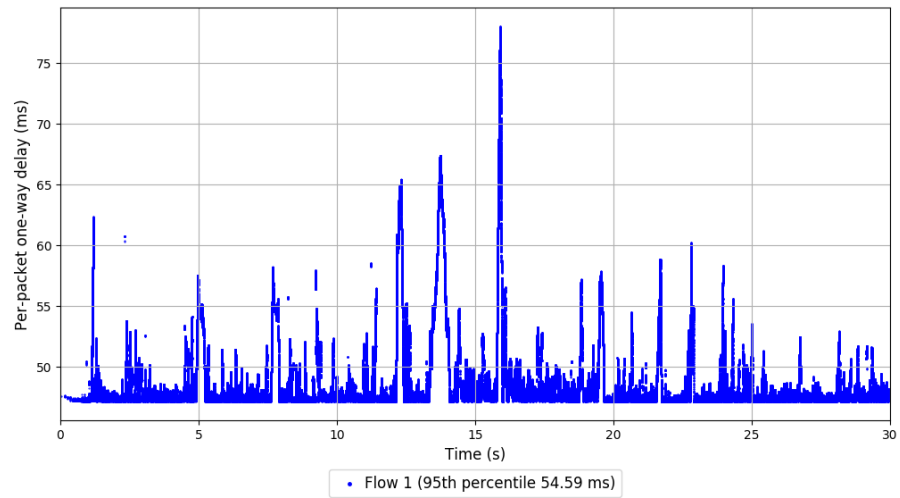
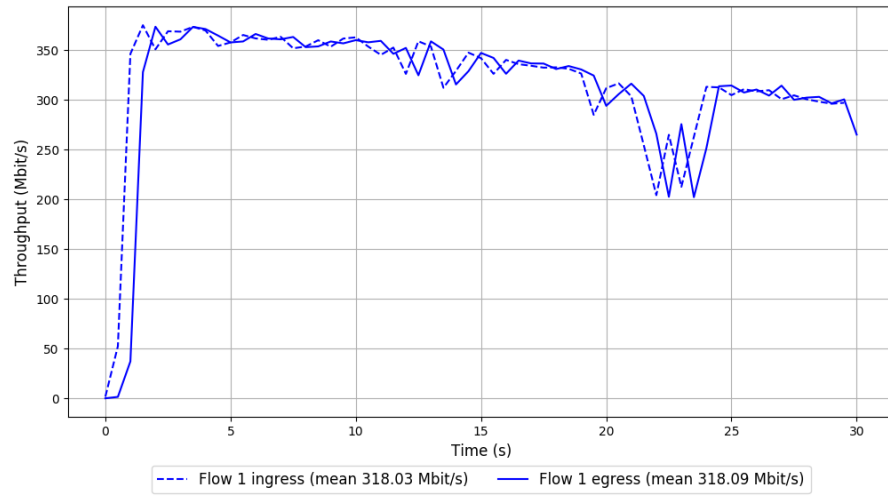


Run 5: Statistics of Copa

Start at: 2019-08-27 17:59:19
End at: 2019-08-27 17:59:49
Local clock offset: -0.366 ms
Remote clock offset: -0.159 ms

Below is generated by plot.py at 2019-08-27 18:54:21
Datalink statistics
-- Total of 1 flow:
Average throughput: 318.09 Mbit/s
95th percentile per-packet one-way delay: 54.586 ms
Loss rate: 0.30%
-- Flow 1:
Average throughput: 318.09 Mbit/s
95th percentile per-packet one-way delay: 54.586 ms
Loss rate: 0.30%

Run 5: Report of Copa — Data Link

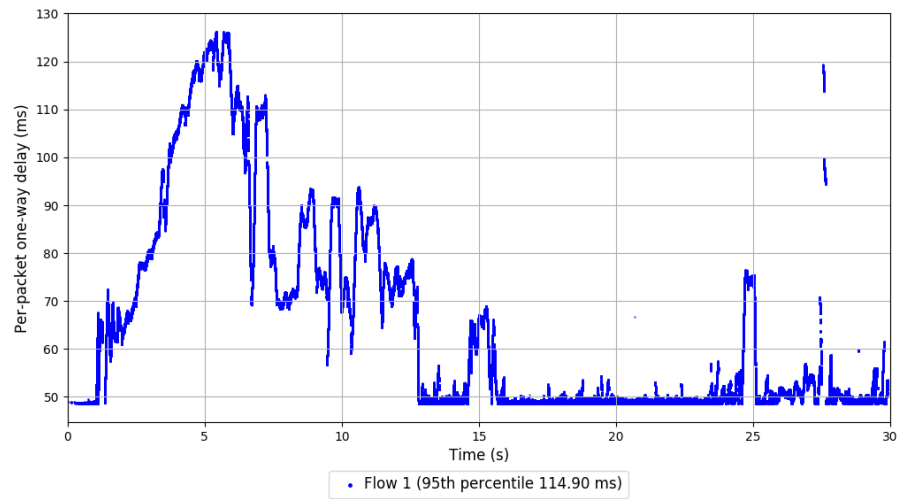
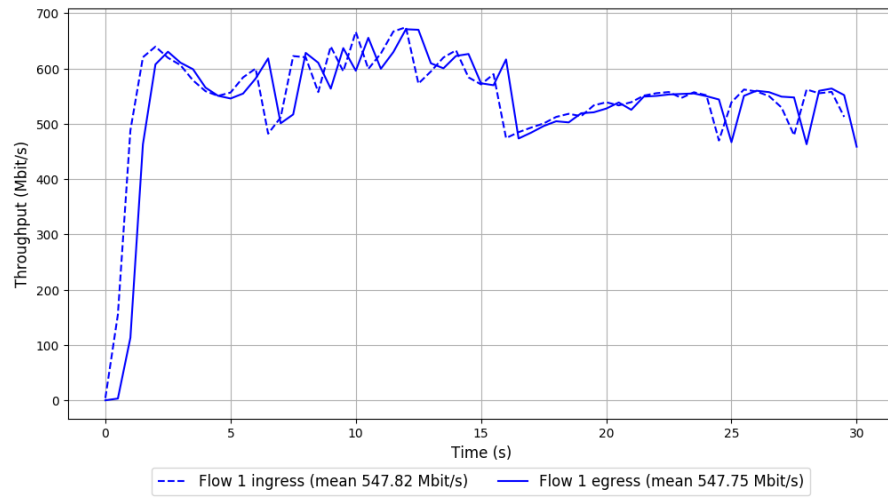


Run 1: Statistics of TCP Cubic

Start at: 2019-08-27 15:38:37
End at: 2019-08-27 15:39:07
Local clock offset: -0.201 ms
Remote clock offset: -0.028 ms

Below is generated by plot.py at 2019-08-27 18:54:21
Datalink statistics
-- Total of 1 flow:
Average throughput: 547.75 Mbit/s
95th percentile per-packet one-way delay: 114.904 ms
Loss rate: 0.34%
-- Flow 1:
Average throughput: 547.75 Mbit/s
95th percentile per-packet one-way delay: 114.904 ms
Loss rate: 0.34%

Run 1: Report of TCP Cubic — Data Link



Run 2: Statistics of TCP Cubic

Start at: 2019-08-27 16:12:44

End at: 2019-08-27 16:13:14

Local clock offset: -0.218 ms

Remote clock offset: 0.026 ms

Below is generated by plot.py at 2019-08-27 18:54:21

Datalink statistics

-- Total of 1 flow:

Average throughput: 563.27 Mbit/s

95th percentile per-packet one-way delay: 147.418 ms

Loss rate: 0.34%

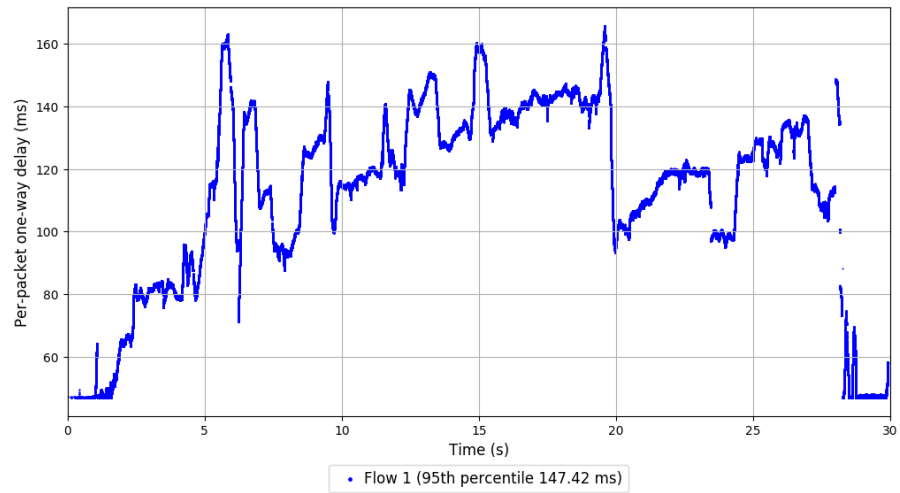
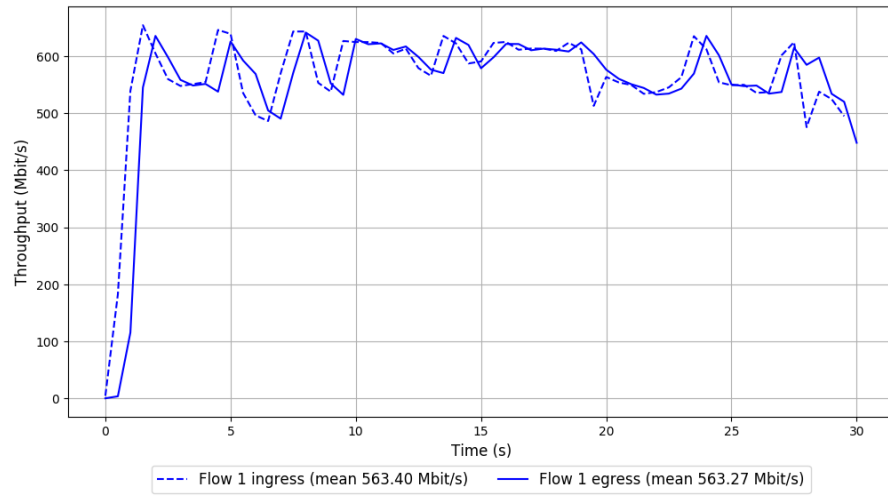
-- Flow 1:

Average throughput: 563.27 Mbit/s

95th percentile per-packet one-way delay: 147.418 ms

Loss rate: 0.34%

Run 2: Report of TCP Cubic — Data Link



Run 3: Statistics of TCP Cubic

Start at: 2019-08-27 16:47:01

End at: 2019-08-27 16:47:32

Local clock offset: -0.24 ms

Remote clock offset: 0.002 ms

Below is generated by plot.py at 2019-08-27 18:54:21

Datalink statistics

-- Total of 1 flow:

Average throughput: 498.26 Mbit/s

95th percentile per-packet one-way delay: 77.627 ms

Loss rate: 0.41%

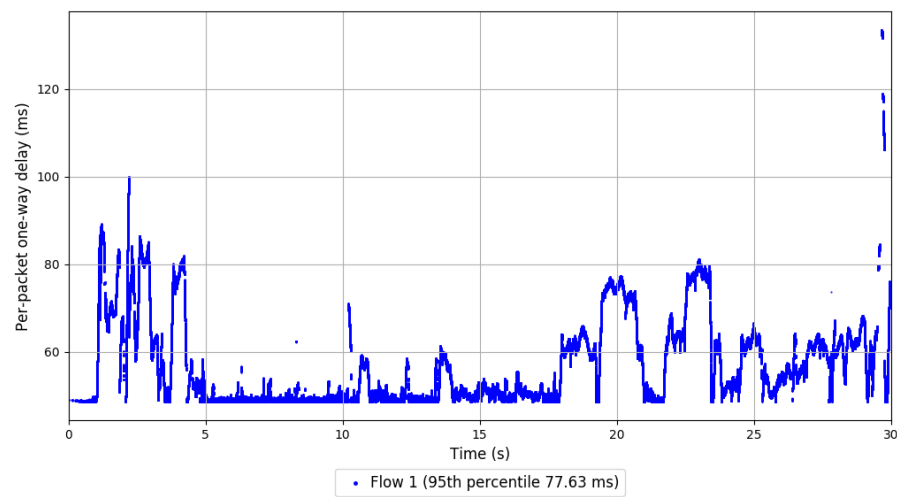
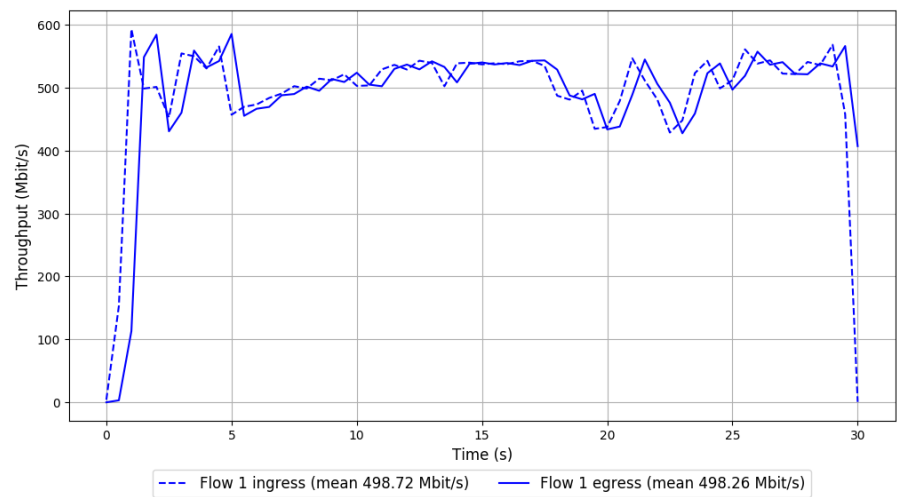
-- Flow 1:

Average throughput: 498.26 Mbit/s

95th percentile per-packet one-way delay: 77.627 ms

Loss rate: 0.41%

Run 3: Report of TCP Cubic — Data Link

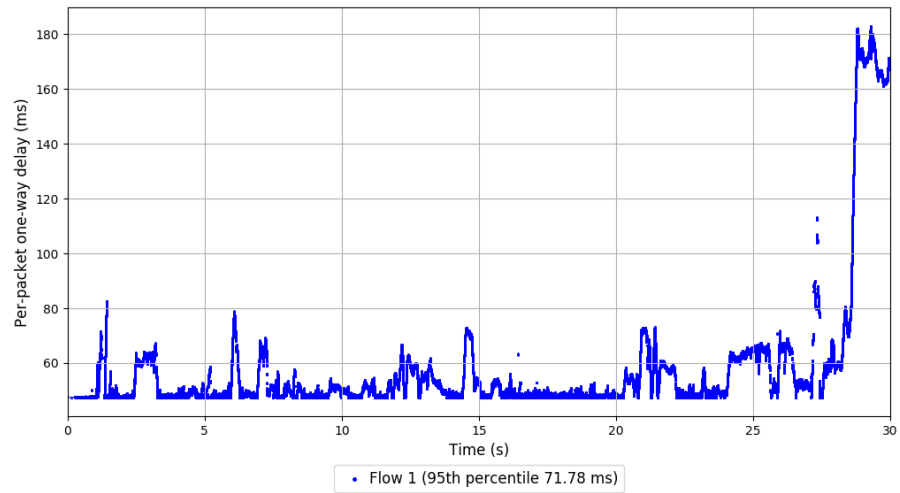
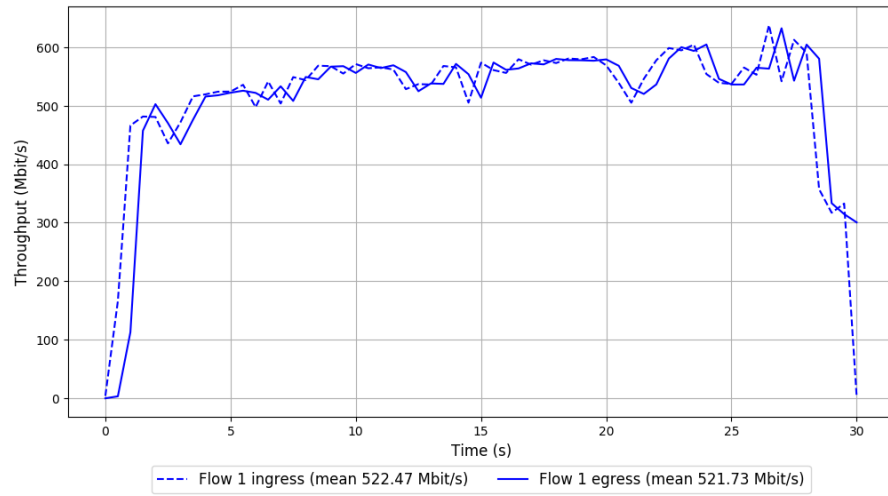


Run 4: Statistics of TCP Cubic

Start at: 2019-08-27 17:21:06
End at: 2019-08-27 17:21:36
Local clock offset: -0.281 ms
Remote clock offset: -0.002 ms

Below is generated by plot.py at 2019-08-27 18:54:21
Datalink statistics
-- Total of 1 flow:
Average throughput: 521.73 Mbit/s
95th percentile per-packet one-way delay: 71.782 ms
Loss rate: 0.46%
-- Flow 1:
Average throughput: 521.73 Mbit/s
95th percentile per-packet one-way delay: 71.782 ms
Loss rate: 0.46%

Run 4: Report of TCP Cubic — Data Link

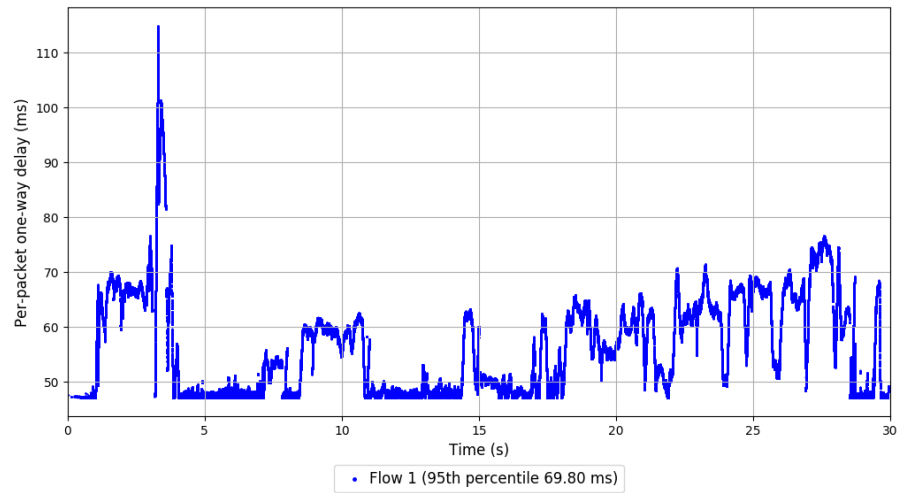
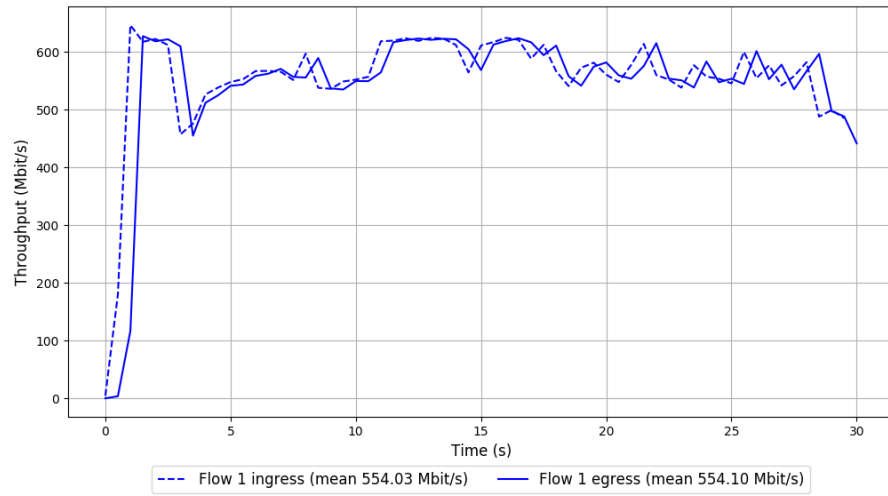


Run 5: Statistics of TCP Cubic

Start at: 2019-08-27 17:55:04
End at: 2019-08-27 17:55:34
Local clock offset: -0.377 ms
Remote clock offset: -0.123 ms

Below is generated by plot.py at 2019-08-27 18:54:34
Datalink statistics
-- Total of 1 flow:
Average throughput: 554.10 Mbit/s
95th percentile per-packet one-way delay: 69.795 ms
Loss rate: 0.31%
-- Flow 1:
Average throughput: 554.10 Mbit/s
95th percentile per-packet one-way delay: 69.795 ms
Loss rate: 0.31%

Run 5: Report of TCP Cubic — Data Link



Run 1: Statistics of FillP

Start at: 2019-08-27 16:08:04

End at: 2019-08-27 16:08:34

Local clock offset: -0.164 ms

Remote clock offset: 0.004 ms

Below is generated by plot.py at 2019-08-27 19:00:52

Datalink statistics

-- Total of 1 flow:

Average throughput: 849.57 Mbit/s

95th percentile per-packet one-way delay: 93.681 ms

Loss rate: 1.30%

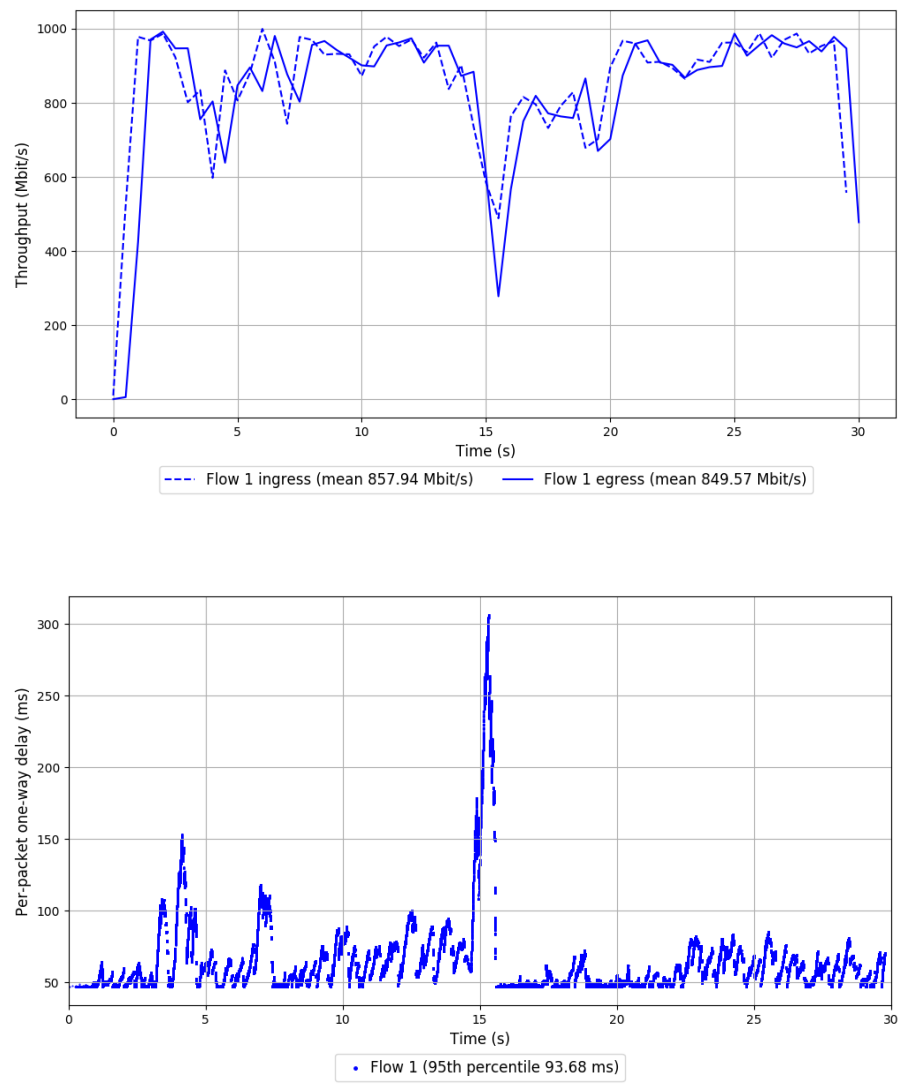
-- Flow 1:

Average throughput: 849.57 Mbit/s

95th percentile per-packet one-way delay: 93.681 ms

Loss rate: 1.30%

Run 1: Report of FillP — Data Link



Run 2: Statistics of FillP

Start at: 2019-08-27 16:42:19

End at: 2019-08-27 16:42:49

Local clock offset: -0.207 ms

Remote clock offset: 0.055 ms

Below is generated by plot.py at 2019-08-27 19:08:05

Datalink statistics

-- Total of 1 flow:

Average throughput: 867.23 Mbit/s

95th percentile per-packet one-way delay: 99.678 ms

Loss rate: 0.49%

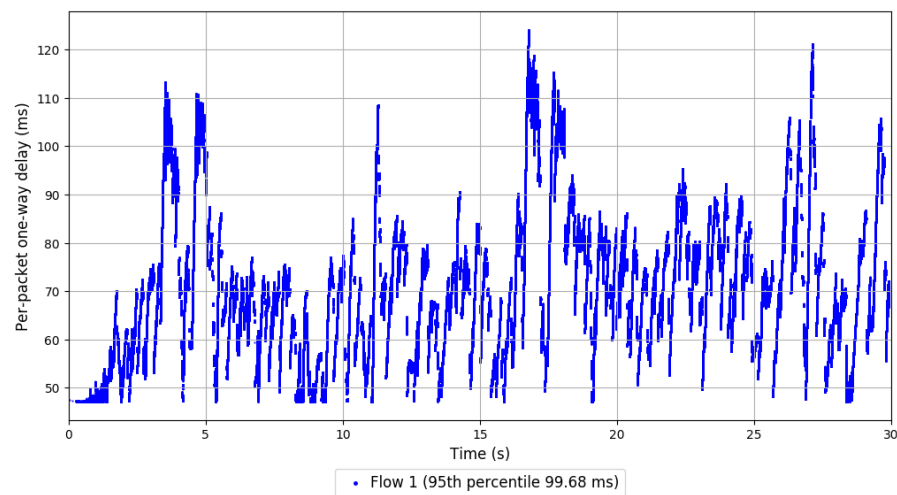
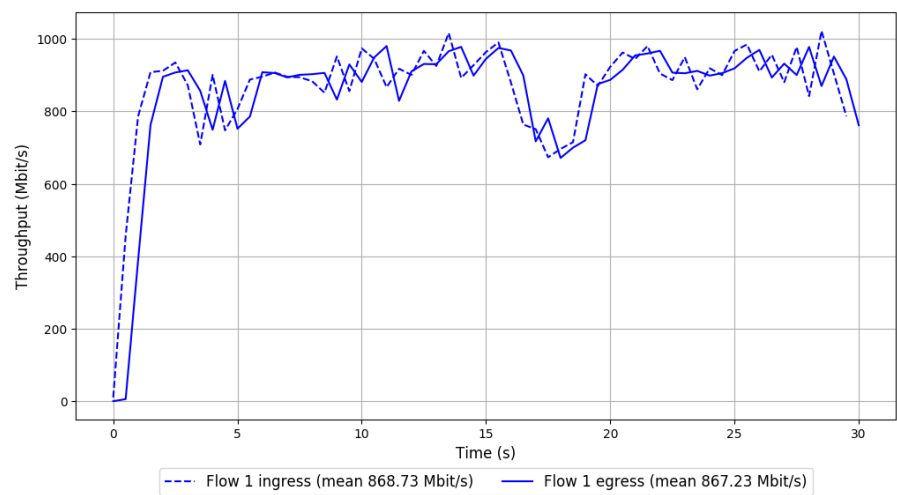
-- Flow 1:

Average throughput: 867.23 Mbit/s

95th percentile per-packet one-way delay: 99.678 ms

Loss rate: 0.49%

Run 2: Report of FillP — Data Link

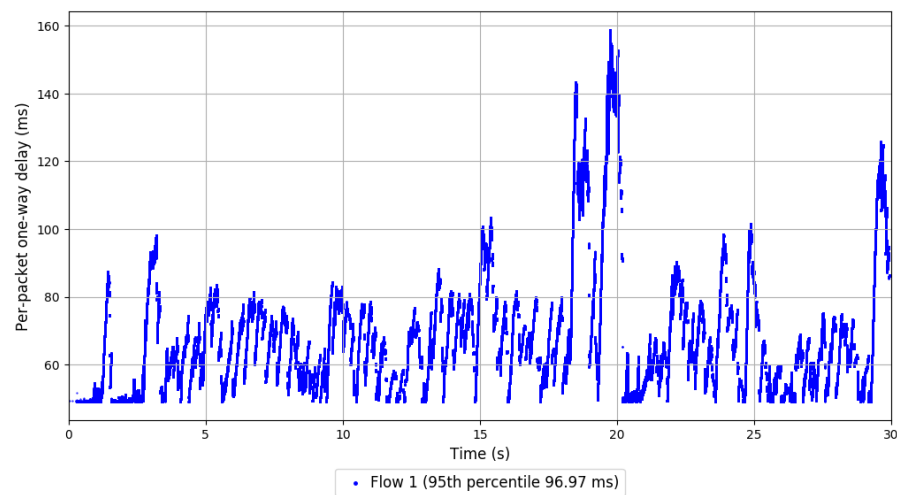
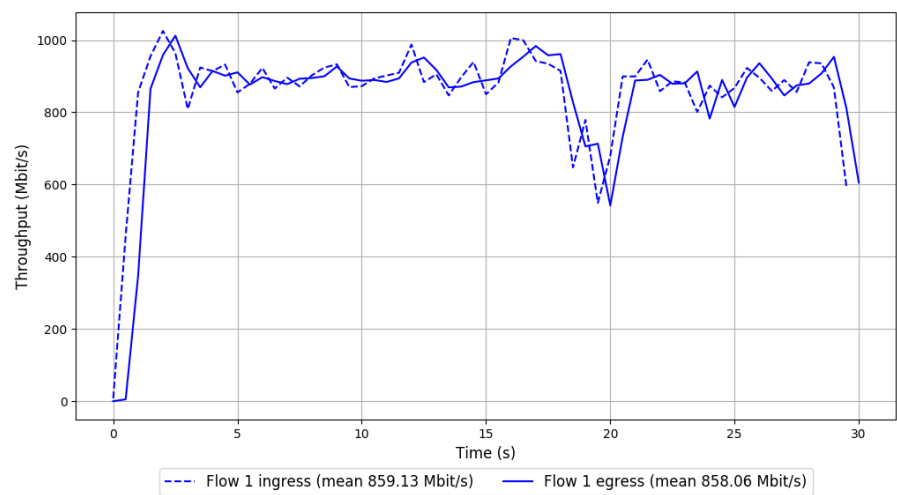


Run 3: Statistics of FillP

Start at: 2019-08-27 17:16:26
End at: 2019-08-27 17:16:57
Local clock offset: 0.093 ms
Remote clock offset: -0.003 ms

Below is generated by plot.py at 2019-08-27 19:08:39
Datalink statistics
-- Total of 1 flow:
Average throughput: 858.06 Mbit/s
95th percentile per-packet one-way delay: 96.974 ms
Loss rate: 0.44%
-- Flow 1:
Average throughput: 858.06 Mbit/s
95th percentile per-packet one-way delay: 96.974 ms
Loss rate: 0.44%

Run 3: Report of FillP — Data Link

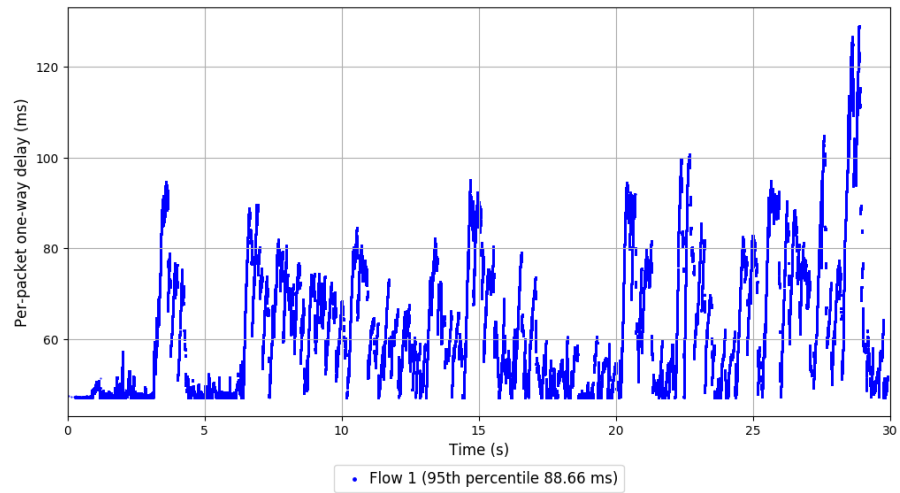
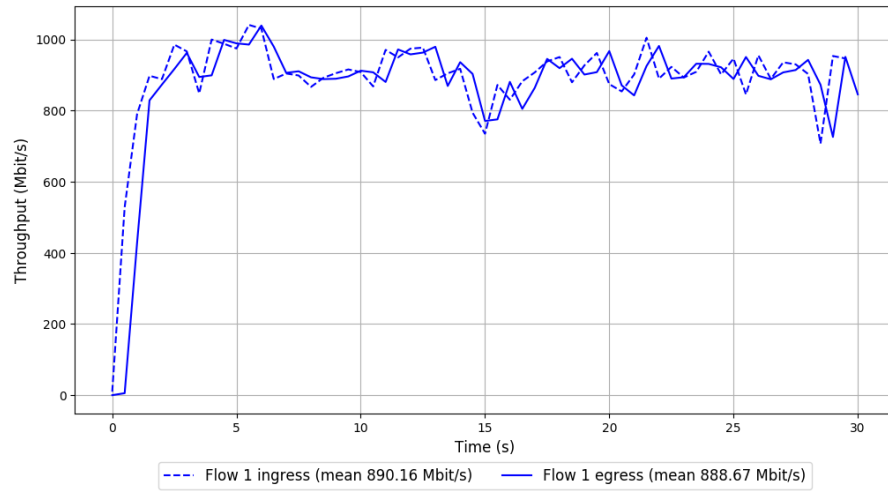


Run 4: Statistics of FillP

Start at: 2019-08-27 17:50:20
End at: 2019-08-27 17:50:50
Local clock offset: -0.364 ms
Remote clock offset: -0.101 ms

Below is generated by plot.py at 2019-08-27 19:09:23
Datalink statistics
-- Total of 1 flow:
Average throughput: 888.67 Mbit/s
95th percentile per-packet one-way delay: 88.661 ms
Loss rate: 0.49%
-- Flow 1:
Average throughput: 888.67 Mbit/s
95th percentile per-packet one-way delay: 88.661 ms
Loss rate: 0.49%

Run 4: Report of FillP — Data Link

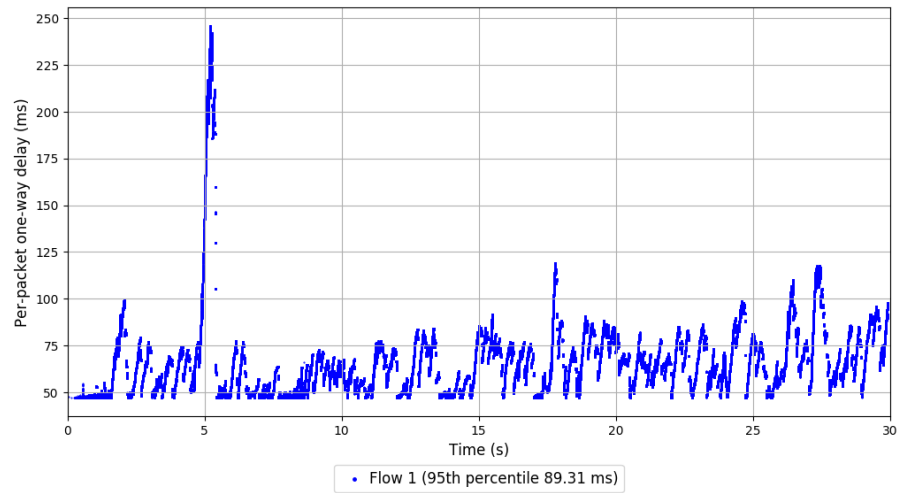
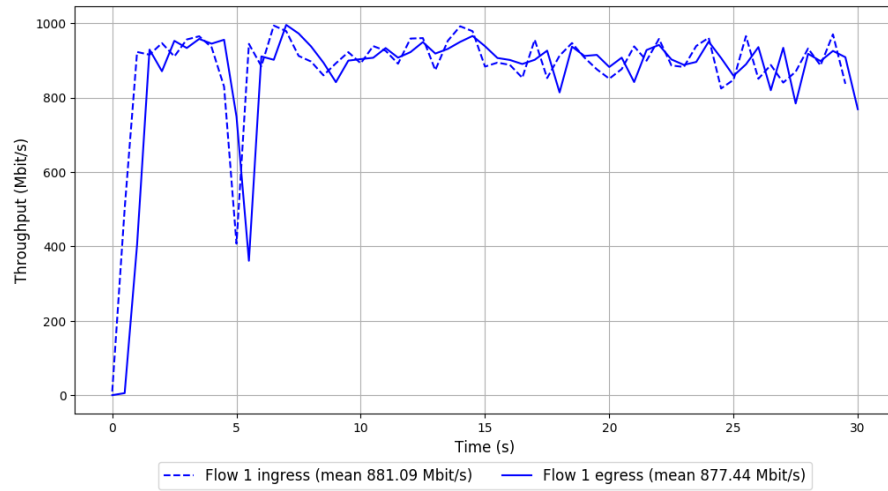


Run 5: Statistics of FillP

Start at: 2019-08-27 18:24:45
End at: 2019-08-27 18:25:15
Local clock offset: -0.389 ms
Remote clock offset: -0.113 ms

Below is generated by plot.py at 2019-08-27 19:09:23
Datalink statistics
-- Total of 1 flow:
Average throughput: 877.44 Mbit/s
95th percentile per-packet one-way delay: 89.312 ms
Loss rate: 0.73%
-- Flow 1:
Average throughput: 877.44 Mbit/s
95th percentile per-packet one-way delay: 89.312 ms
Loss rate: 0.73%

Run 5: Report of FillP — Data Link



Run 1: Statistics of FillP-Sheep

Start at: 2019-08-27 15:52:41

End at: 2019-08-27 15:53:11

Local clock offset: -0.583 ms

Remote clock offset: -0.01 ms

Below is generated by plot.py at 2019-08-27 19:09:23

Datalink statistics

-- Total of 1 flow:

Average throughput: 818.86 Mbit/s

95th percentile per-packet one-way delay: 78.233 ms

Loss rate: 0.61%

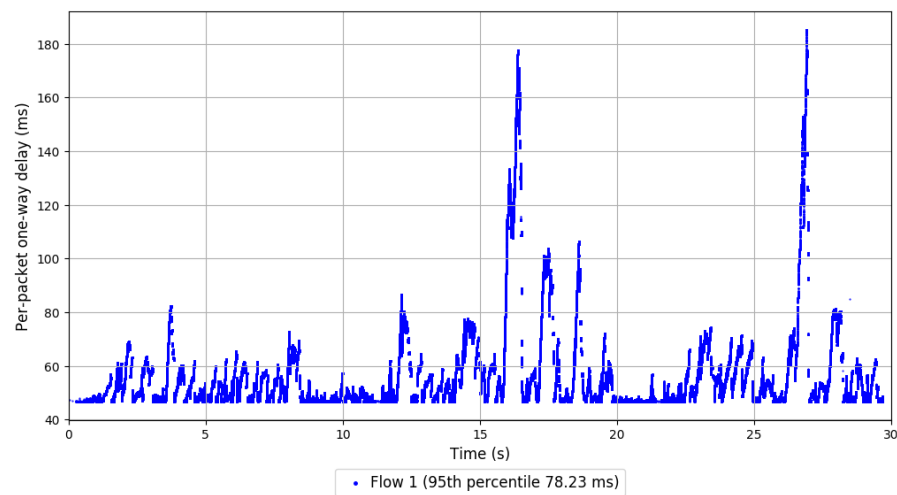
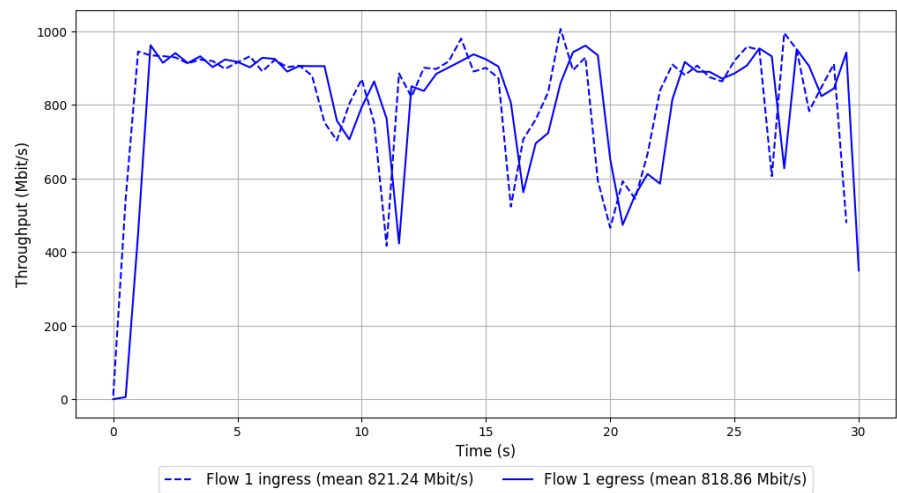
-- Flow 1:

Average throughput: 818.86 Mbit/s

95th percentile per-packet one-way delay: 78.233 ms

Loss rate: 0.61%

Run 1: Report of FillP-Sheep — Data Link



Run 2: Statistics of FillP-Sheep

Start at: 2019-08-27 16:26:49

End at: 2019-08-27 16:27:19

Local clock offset: -0.174 ms

Remote clock offset: 0.012 ms

Below is generated by plot.py at 2019-08-27 19:09:23

Datalink statistics

-- Total of 1 flow:

Average throughput: 831.03 Mbit/s

95th percentile per-packet one-way delay: 76.213 ms

Loss rate: 0.34%

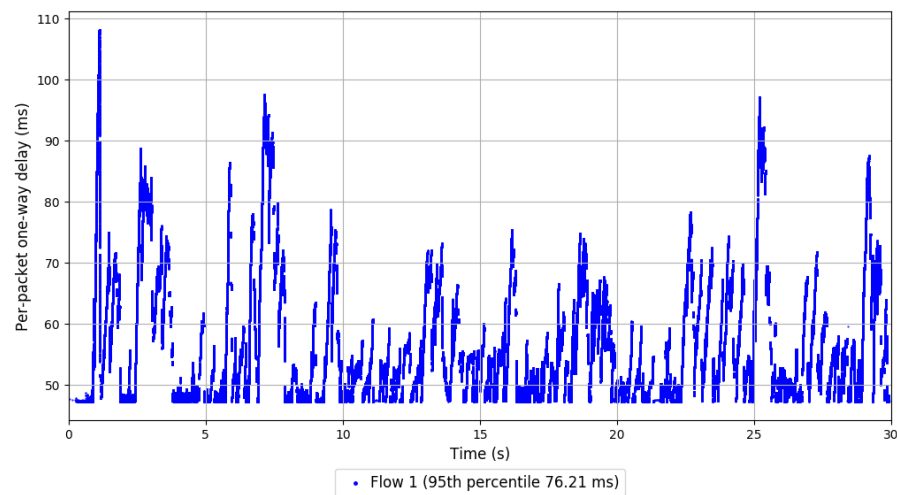
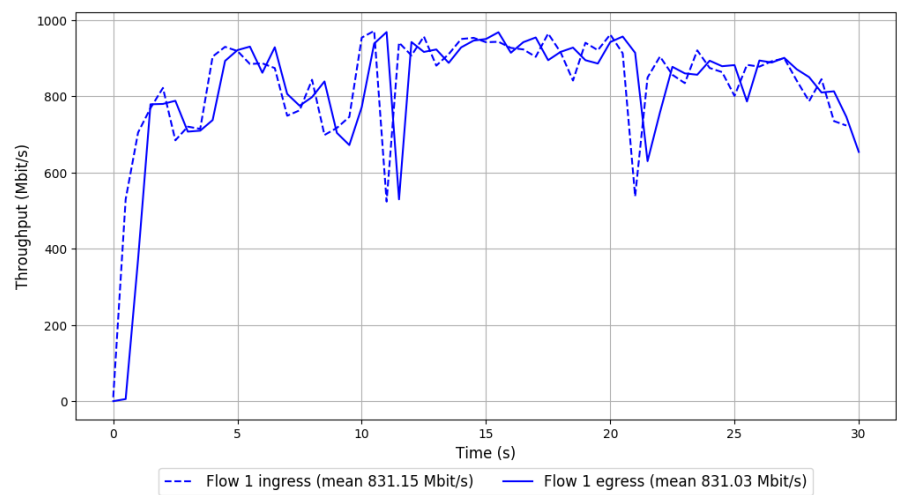
-- Flow 1:

Average throughput: 831.03 Mbit/s

95th percentile per-packet one-way delay: 76.213 ms

Loss rate: 0.34%

Run 2: Report of FillP-Sheep — Data Link



Run 3: Statistics of FillP-Sheep

Start at: 2019-08-27 17:01:00

End at: 2019-08-27 17:01:30

Local clock offset: -0.253 ms

Remote clock offset: 0.018 ms

Below is generated by plot.py at 2019-08-27 19:09:23

Datalink statistics

-- Total of 1 flow:

Average throughput: 821.28 Mbit/s

95th percentile per-packet one-way delay: 94.879 ms

Loss rate: 0.78%

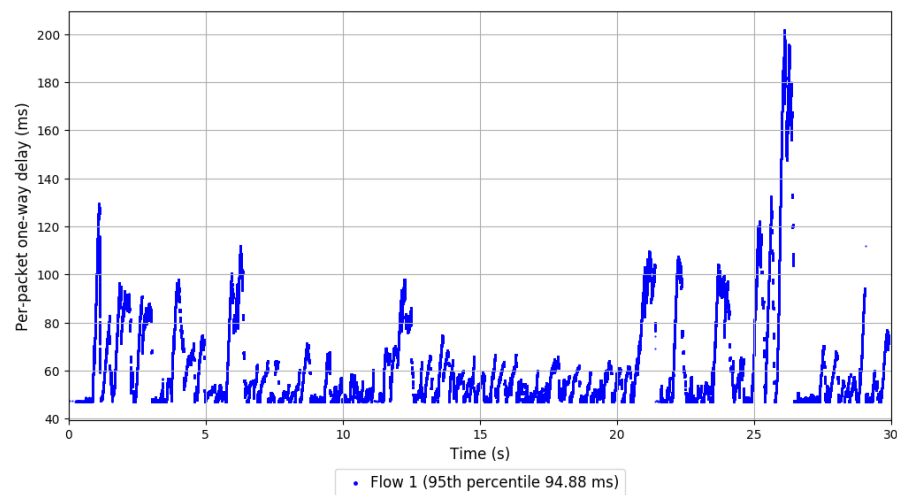
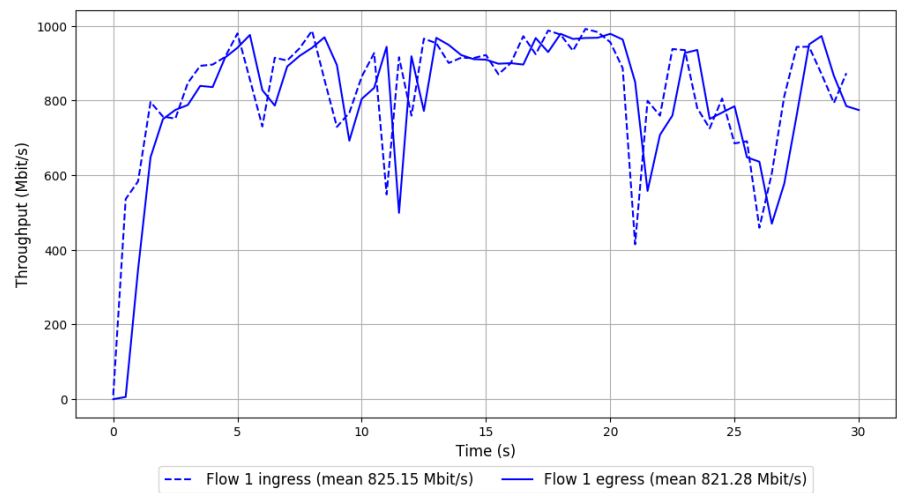
-- Flow 1:

Average throughput: 821.28 Mbit/s

95th percentile per-packet one-way delay: 94.879 ms

Loss rate: 0.78%

Run 3: Report of FillP-Sheep — Data Link



Run 4: Statistics of FillP-Sheep

Start at: 2019-08-27 17:35:06

End at: 2019-08-27 17:35:36

Local clock offset: -0.328 ms

Remote clock offset: -0.02 ms

Below is generated by plot.py at 2019-08-27 19:19:12

Datalink statistics

-- Total of 1 flow:

Average throughput: 859.40 Mbit/s

95th percentile per-packet one-way delay: 78.676 ms

Loss rate: 0.36%

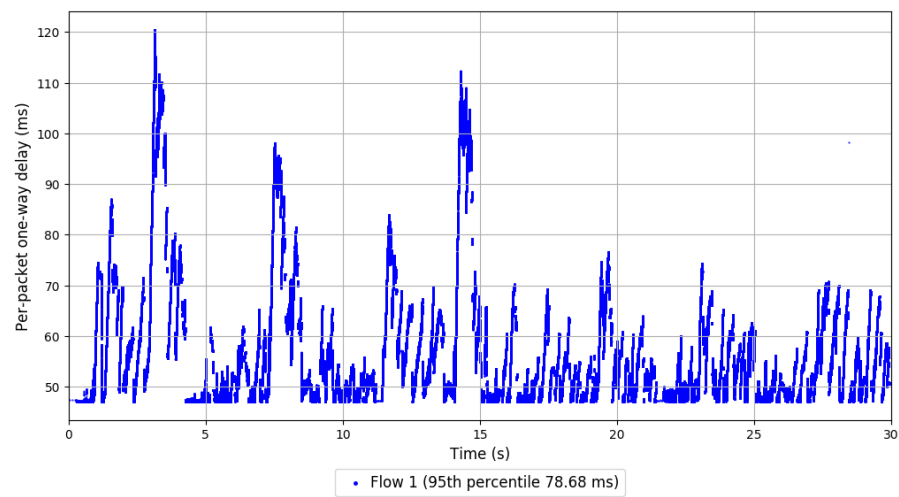
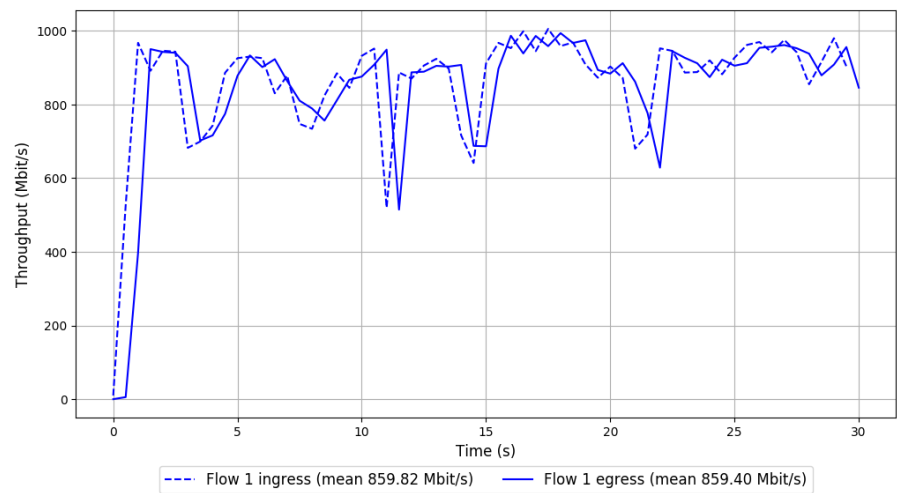
-- Flow 1:

Average throughput: 859.40 Mbit/s

95th percentile per-packet one-way delay: 78.676 ms

Loss rate: 0.36%

Run 4: Report of FillP-Sheep — Data Link

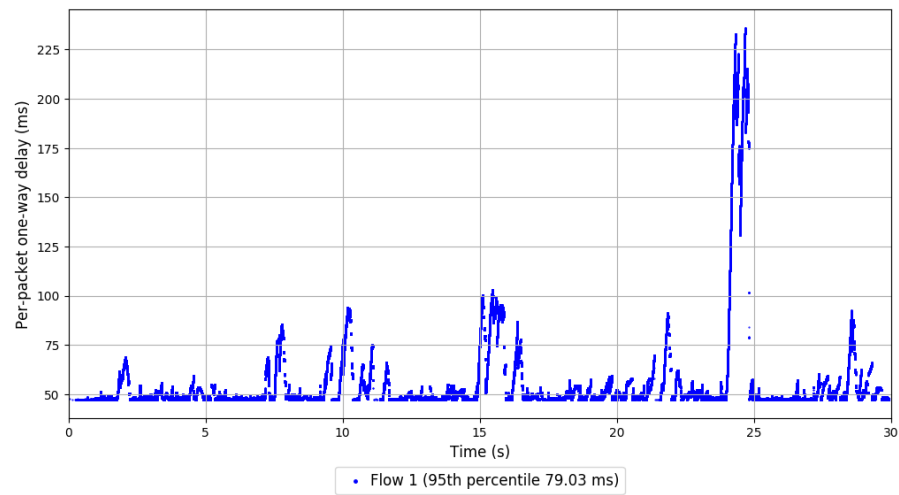
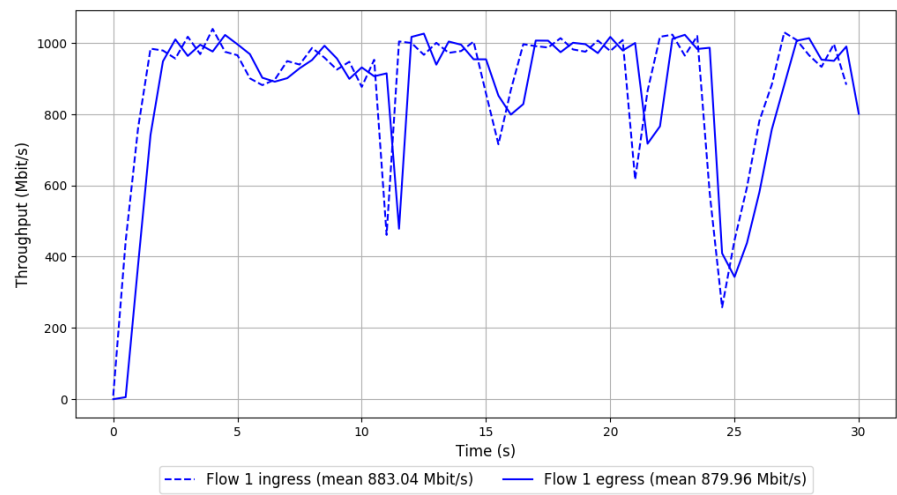


Run 5: Statistics of FillP-Sheep

Start at: 2019-08-27 18:09:15
End at: 2019-08-27 18:09:45
Local clock offset: -0.393 ms
Remote clock offset: -0.163 ms

Below is generated by plot.py at 2019-08-27 19:23:33
Datalink statistics
-- Total of 1 flow:
Average throughput: 879.96 Mbit/s
95th percentile per-packet one-way delay: 79.031 ms
Loss rate: 0.67%
-- Flow 1:
Average throughput: 879.96 Mbit/s
95th percentile per-packet one-way delay: 79.031 ms
Loss rate: 0.67%

Run 5: Report of FillP-Sheep — Data Link



Run 1: Statistics of Indigo

Start at: 2019-08-27 16:02:23

End at: 2019-08-27 16:02:53

Local clock offset: -0.206 ms

Remote clock offset: 0.014 ms

Below is generated by plot.py at 2019-08-27 19:23:33

Datalink statistics

-- Total of 1 flow:

Average throughput: 209.28 Mbit/s

95th percentile per-packet one-way delay: 49.485 ms

Loss rate: 0.38%

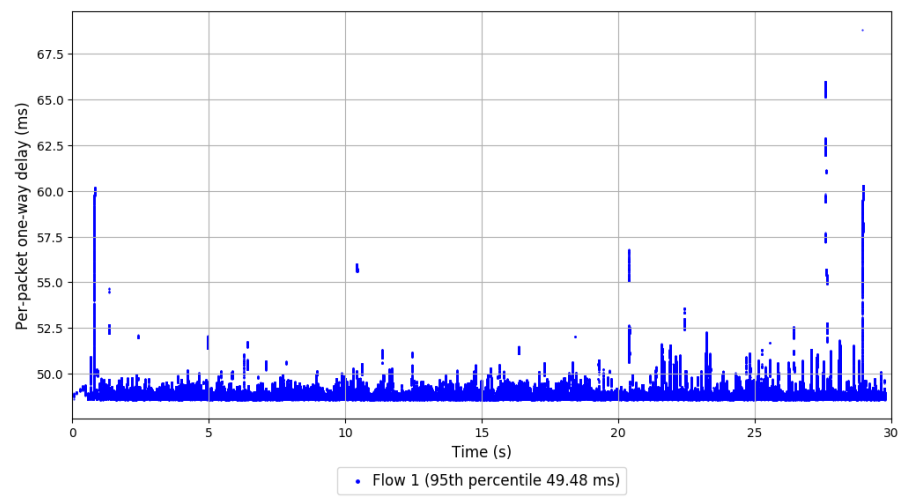
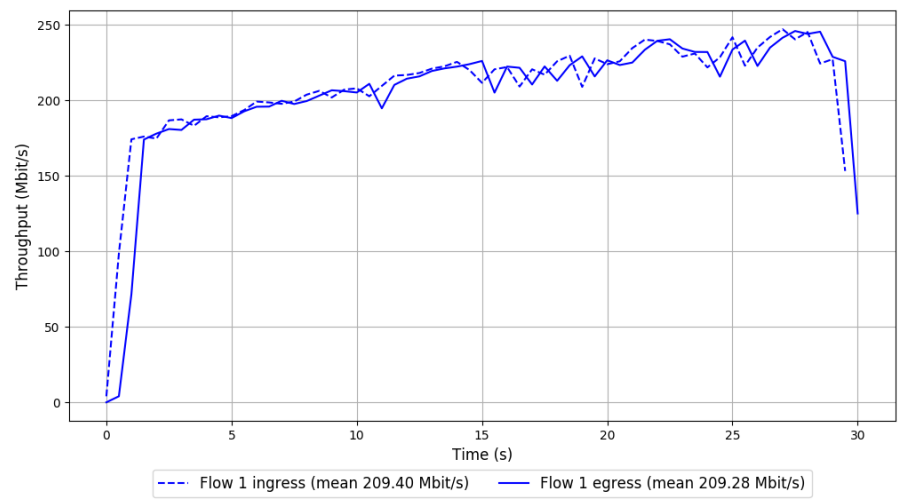
-- Flow 1:

Average throughput: 209.28 Mbit/s

95th percentile per-packet one-way delay: 49.485 ms

Loss rate: 0.38%

Run 1: Report of Indigo — Data Link

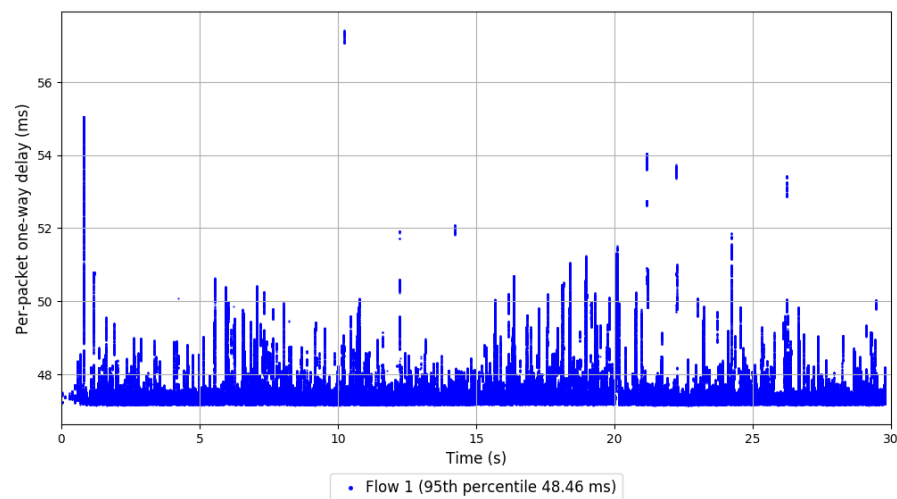
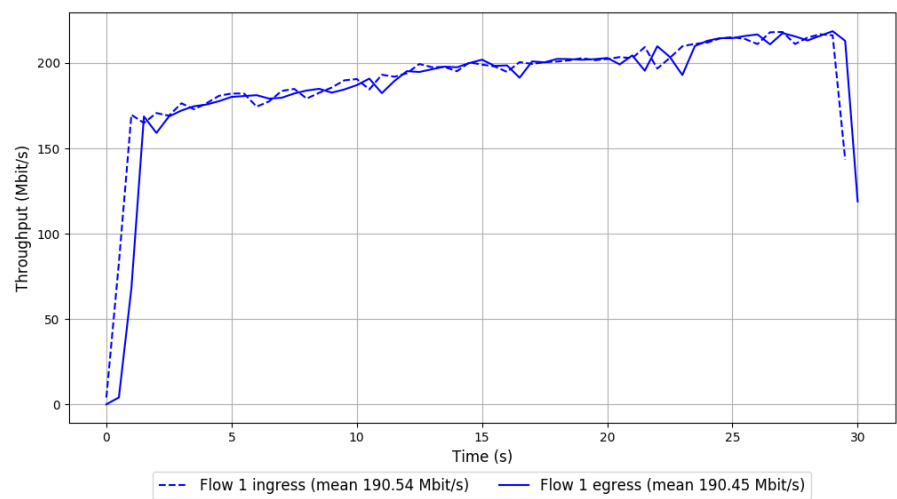


Run 2: Statistics of Indigo

Start at: 2019-08-27 16:36:38
End at: 2019-08-27 16:37:08
Local clock offset: -0.22 ms
Remote clock offset: -0.003 ms

Below is generated by plot.py at 2019-08-27 19:23:33
Datalink statistics
-- Total of 1 flow:
Average throughput: 190.45 Mbit/s
95th percentile per-packet one-way delay: 48.459 ms
Loss rate: 0.37%
-- Flow 1:
Average throughput: 190.45 Mbit/s
95th percentile per-packet one-way delay: 48.459 ms
Loss rate: 0.37%

Run 2: Report of Indigo — Data Link

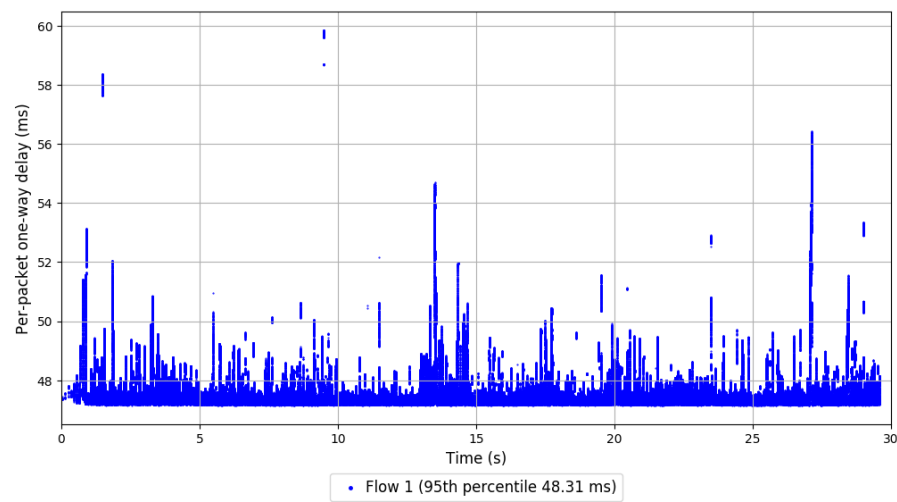
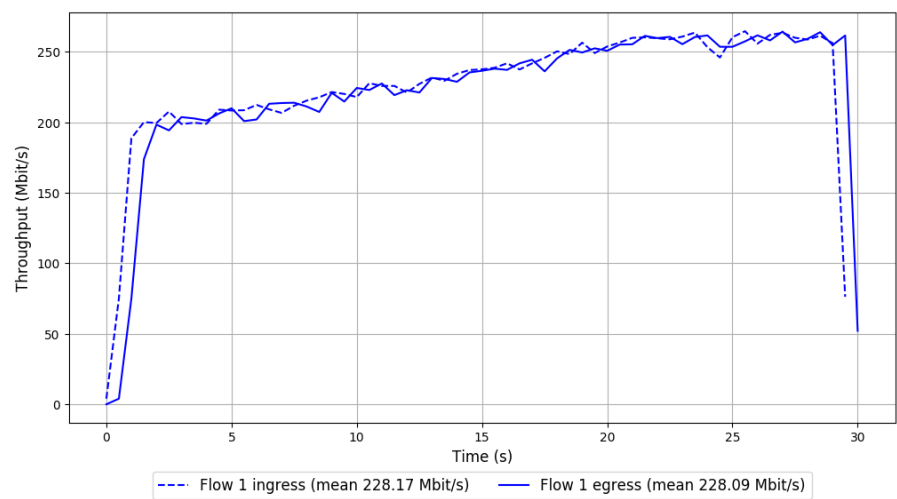


Run 3: Statistics of Indigo

Start at: 2019-08-27 17:10:40
End at: 2019-08-27 17:11:10
Local clock offset: -0.276 ms
Remote clock offset: -0.027 ms

Below is generated by plot.py at 2019-08-27 19:23:33
Datalink statistics
-- Total of 1 flow:
Average throughput: 228.09 Mbit/s
95th percentile per-packet one-way delay: 48.312 ms
Loss rate: 0.36%
-- Flow 1:
Average throughput: 228.09 Mbit/s
95th percentile per-packet one-way delay: 48.312 ms
Loss rate: 0.36%

Run 3: Report of Indigo — Data Link

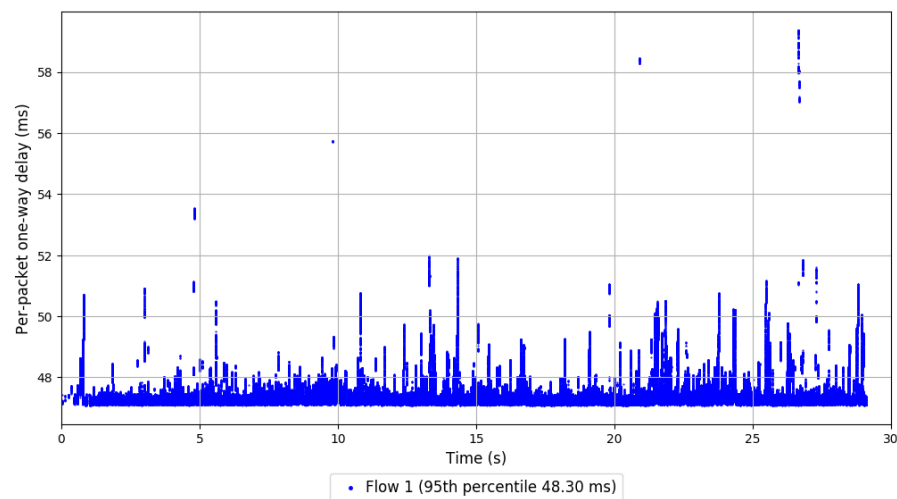
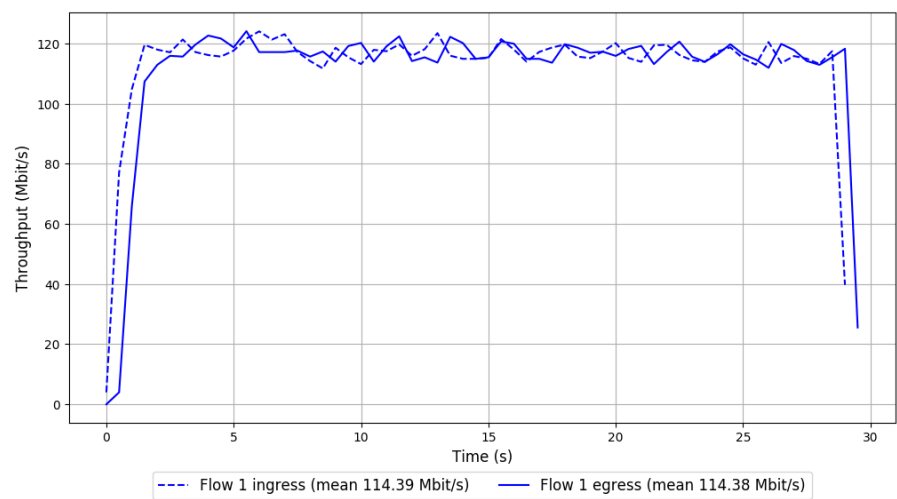


Run 4: Statistics of Indigo

Start at: 2019-08-27 17:44:46
End at: 2019-08-27 17:45:16
Local clock offset: -0.334 ms
Remote clock offset: -0.029 ms

Below is generated by plot.py at 2019-08-27 19:23:33
Datalink statistics
-- Total of 1 flow:
Average throughput: 114.38 Mbit/s
95th percentile per-packet one-way delay: 48.300 ms
Loss rate: 0.34%
-- Flow 1:
Average throughput: 114.38 Mbit/s
95th percentile per-packet one-way delay: 48.300 ms
Loss rate: 0.34%

Run 4: Report of Indigo — Data Link

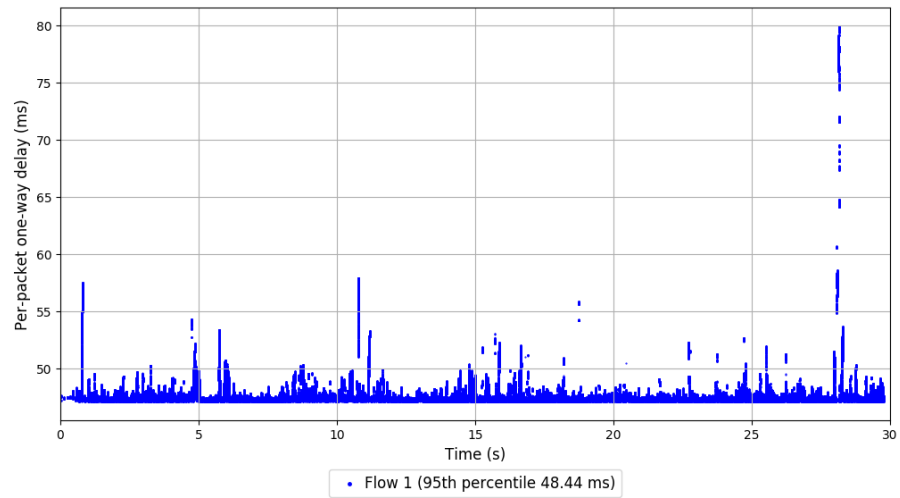
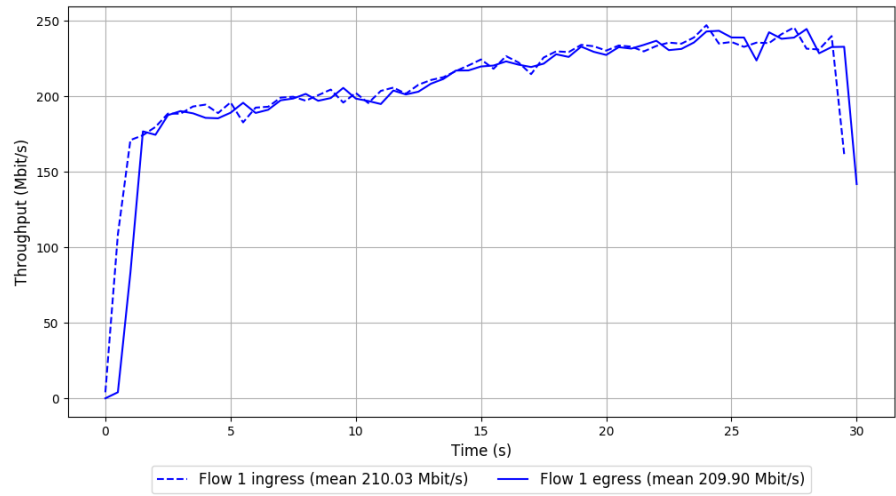


Run 5: Statistics of Indigo

Start at: 2019-08-27 18:19:03
End at: 2019-08-27 18:19:33
Local clock offset: -0.47 ms
Remote clock offset: -0.117 ms

Below is generated by plot.py at 2019-08-27 19:23:33
Datalink statistics
-- Total of 1 flow:
Average throughput: 209.90 Mbit/s
95th percentile per-packet one-way delay: 48.437 ms
Loss rate: 0.38%
-- Flow 1:
Average throughput: 209.90 Mbit/s
95th percentile per-packet one-way delay: 48.437 ms
Loss rate: 0.38%

Run 5: Report of Indigo — Data Link

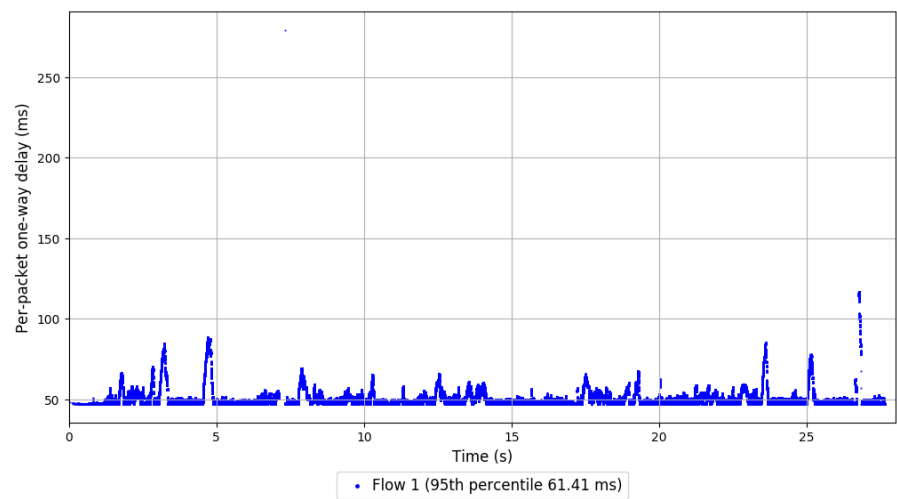
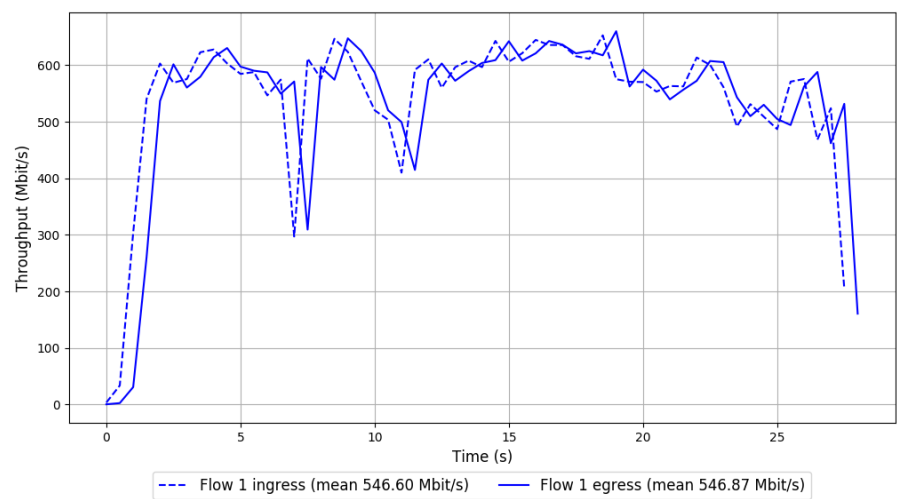


Run 1: Statistics of Indigo-MusesC3

Start at: 2019-08-27 15:40:09
End at: 2019-08-27 15:40:39
Local clock offset: -0.222 ms
Remote clock offset: -0.026 ms

Below is generated by plot.py at 2019-08-27 19:23:33
Datalink statistics
-- Total of 1 flow:
Average throughput: 546.87 Mbit/s
95th percentile per-packet one-way delay: 61.415 ms
Loss rate: 0.30%
-- Flow 1:
Average throughput: 546.87 Mbit/s
95th percentile per-packet one-way delay: 61.415 ms
Loss rate: 0.30%

Run 1: Report of Indigo-MusesC3 — Data Link



Run 2: Statistics of Indigo-MusesC3

Start at: 2019-08-27 16:14:18

End at: 2019-08-27 16:14:48

Local clock offset: -0.186 ms

Remote clock offset: 0.036 ms

Below is generated by plot.py at 2019-08-27 19:23:33

Datalink statistics

-- Total of 1 flow:

Average throughput: 548.67 Mbit/s

95th percentile per-packet one-way delay: 68.941 ms

Loss rate: 0.40%

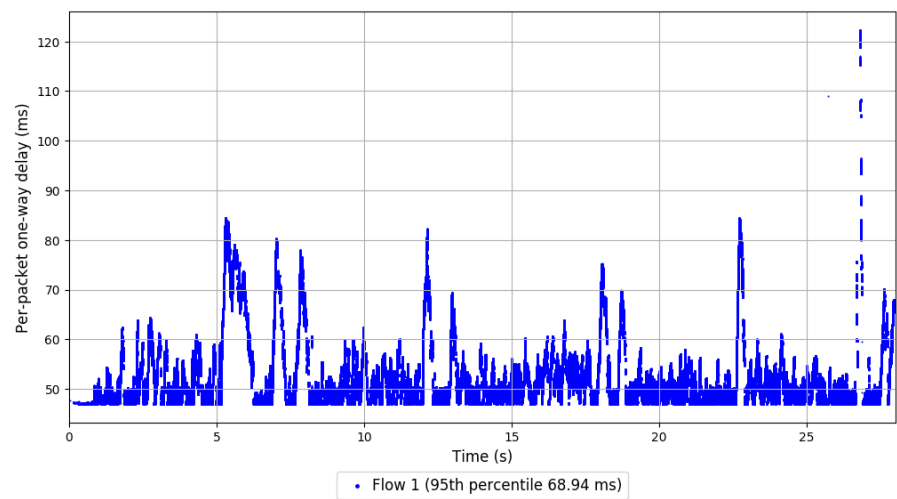
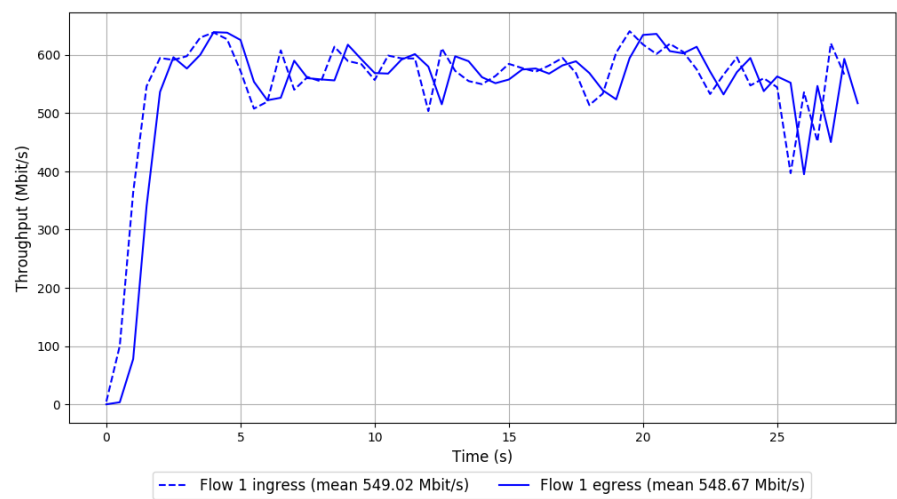
-- Flow 1:

Average throughput: 548.67 Mbit/s

95th percentile per-packet one-way delay: 68.941 ms

Loss rate: 0.40%

Run 2: Report of Indigo-MusesC3 — Data Link

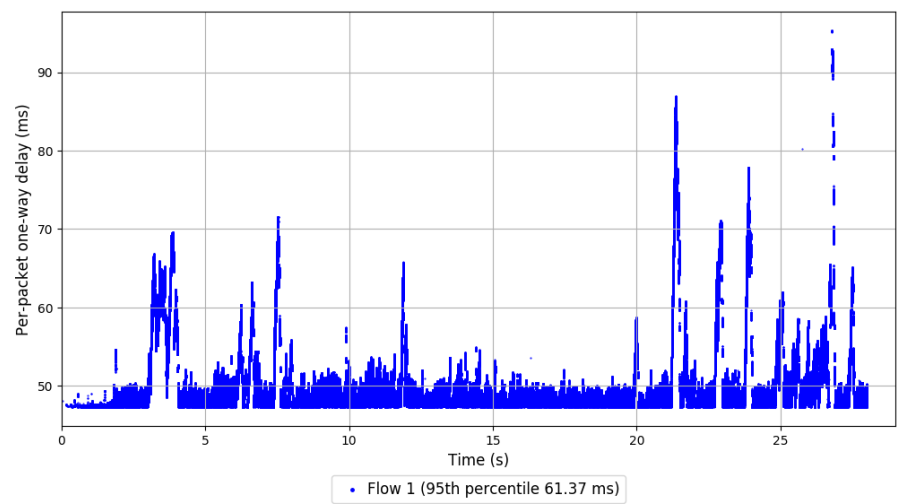
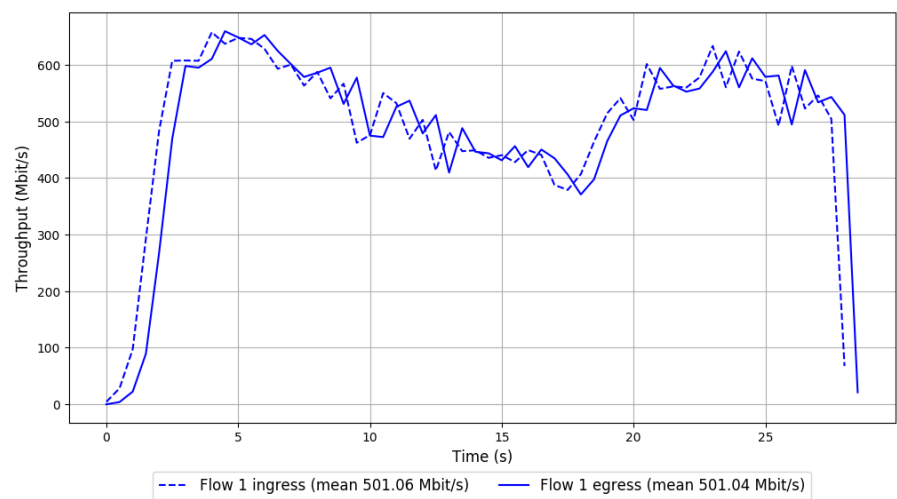


Run 3: Statistics of Indigo-MusesC3

Start at: 2019-08-27 16:48:31
End at: 2019-08-27 16:49:01
Local clock offset: -0.15 ms
Remote clock offset: -0.026 ms

Below is generated by plot.py at 2019-08-27 19:23:33
Datalink statistics
-- Total of 1 flow:
Average throughput: 501.04 Mbit/s
95th percentile per-packet one-way delay: 61.372 ms
Loss rate: 0.34%
-- Flow 1:
Average throughput: 501.04 Mbit/s
95th percentile per-packet one-way delay: 61.372 ms
Loss rate: 0.34%

Run 3: Report of Indigo-MusesC3 — Data Link



Run 4: Statistics of Indigo-MusesC3

Start at: 2019-08-27 17:22:36

End at: 2019-08-27 17:23:06

Local clock offset: -0.316 ms

Remote clock offset: 0.007 ms

Below is generated by plot.py at 2019-08-27 19:23:33

Datalink statistics

-- Total of 1 flow:

Average throughput: 583.84 Mbit/s

95th percentile per-packet one-way delay: 60.592 ms

Loss rate: 0.37%

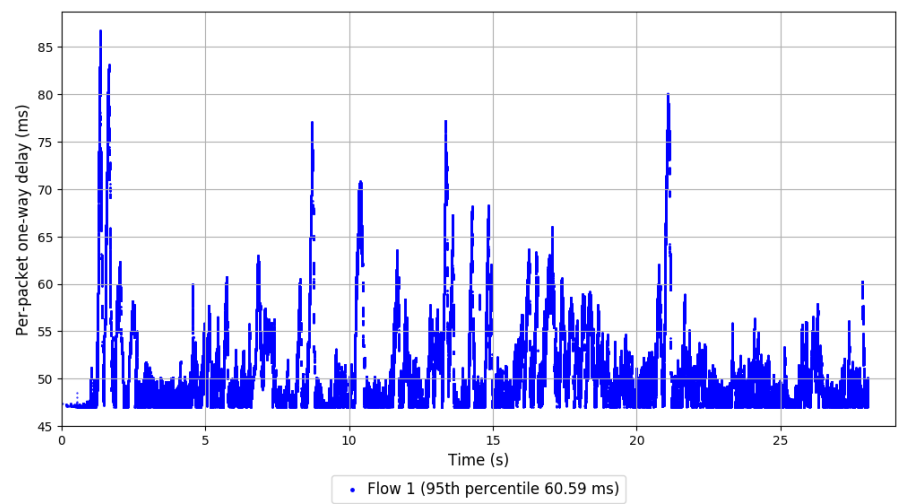
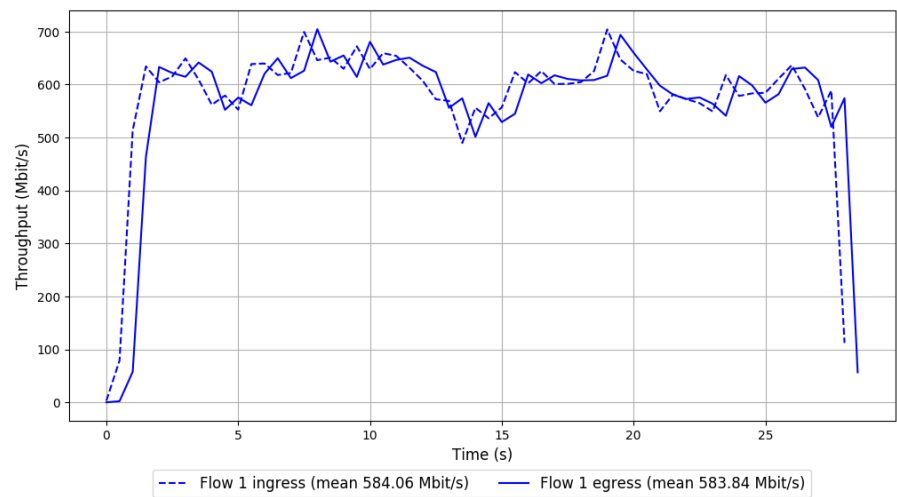
-- Flow 1:

Average throughput: 583.84 Mbit/s

95th percentile per-packet one-way delay: 60.592 ms

Loss rate: 0.37%

Run 4: Report of Indigo-MusesC3 — Data Link

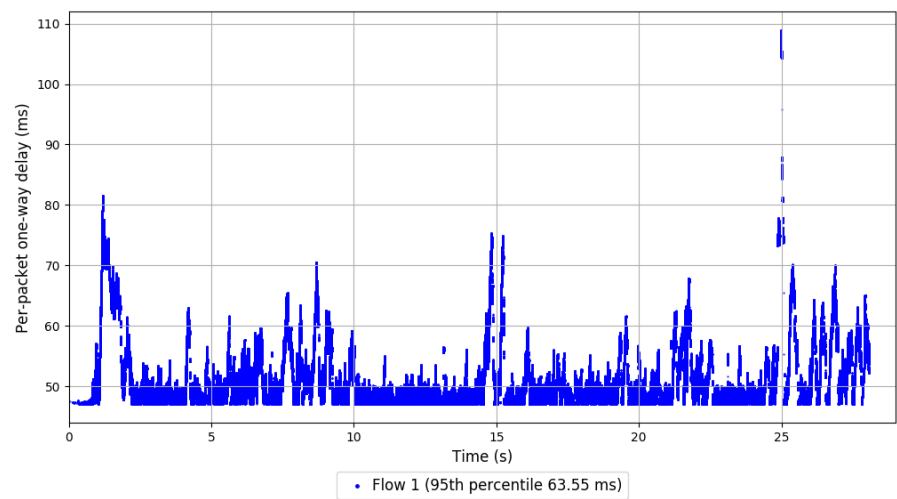
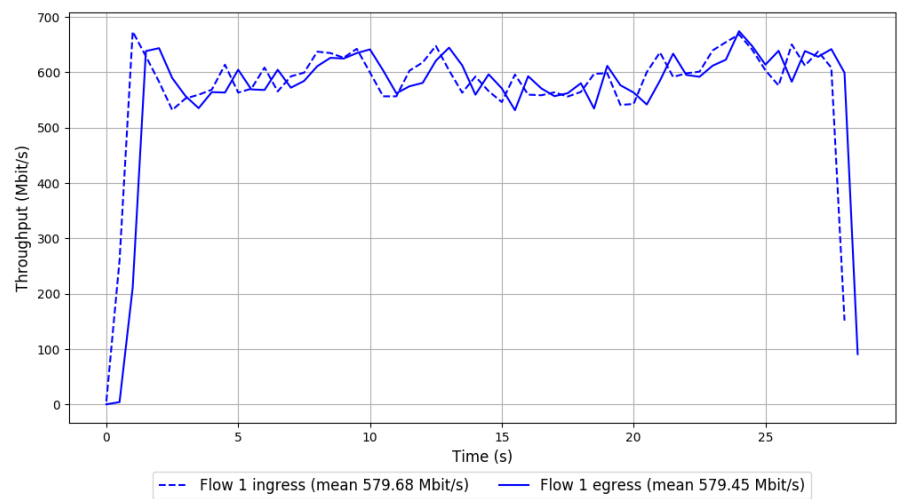


Run 5: Statistics of Indigo-MusesC3

Start at: 2019-08-27 17:56:36
End at: 2019-08-27 17:57:06
Local clock offset: -0.364 ms
Remote clock offset: -0.087 ms

Below is generated by plot.py at 2019-08-27 19:23:33
Datalink statistics
-- Total of 1 flow:
Average throughput: 579.45 Mbit/s
95th percentile per-packet one-way delay: 63.547 ms
Loss rate: 0.38%
-- Flow 1:
Average throughput: 579.45 Mbit/s
95th percentile per-packet one-way delay: 63.547 ms
Loss rate: 0.38%

Run 5: Report of Indigo-MusesC3 — Data Link



Run 1: Statistics of Indigo-MusesC5

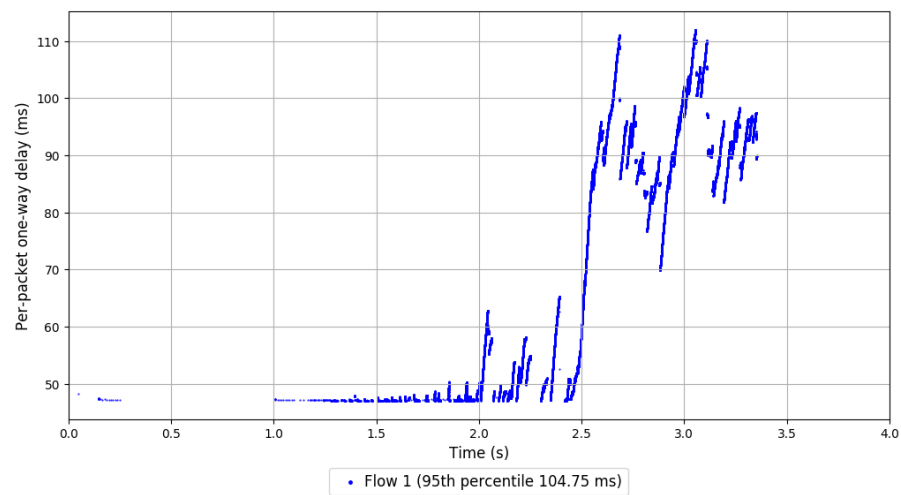
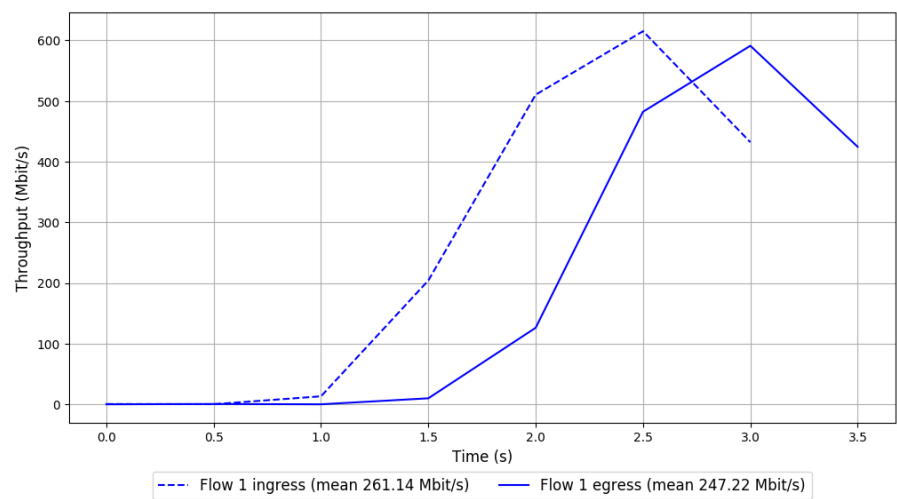
Start at: 2019-08-27 15:35:56

End at: 2019-08-27 15:36:26

Local clock offset: -0.2 ms

Remote clock offset: -0.02 ms

Run 1: Report of Indigo-MusesC5 — Data Link

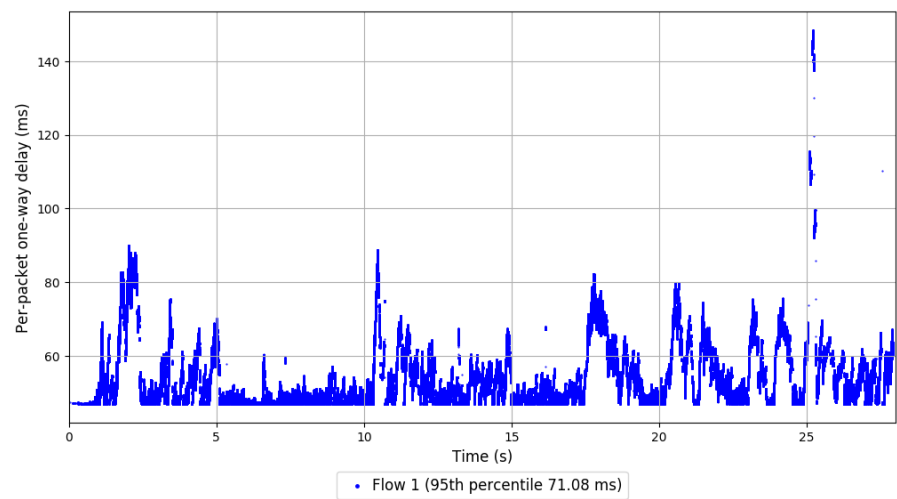
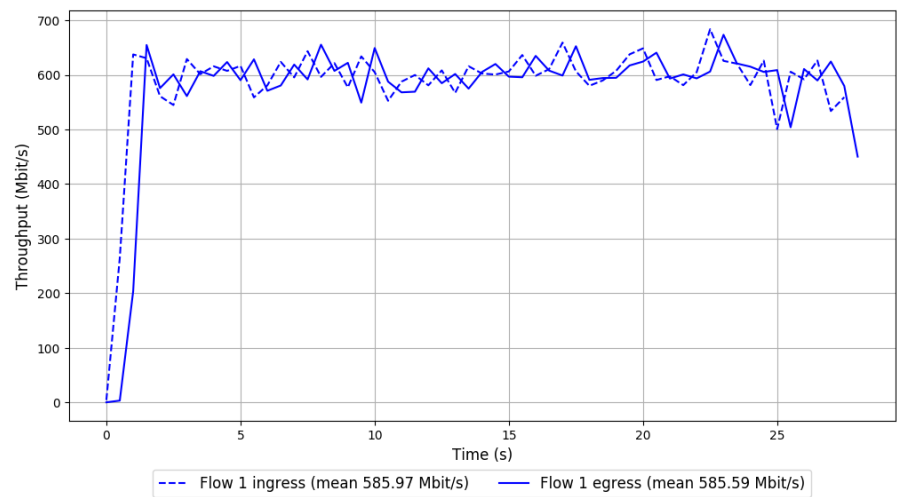


Run 2: Statistics of Indigo-MusesC5

Start at: 2019-08-27 16:09:43
End at: 2019-08-27 16:10:13
Local clock offset: -0.207 ms
Remote clock offset: -0.012 ms

Below is generated by plot.py at 2019-08-27 19:23:45
Datalink statistics
-- Total of 1 flow:
Average throughput: 585.59 Mbit/s
95th percentile per-packet one-way delay: 71.078 ms
Loss rate: 0.41%
-- Flow 1:
Average throughput: 585.59 Mbit/s
95th percentile per-packet one-way delay: 71.078 ms
Loss rate: 0.41%

Run 2: Report of Indigo-MusesC5 — Data Link

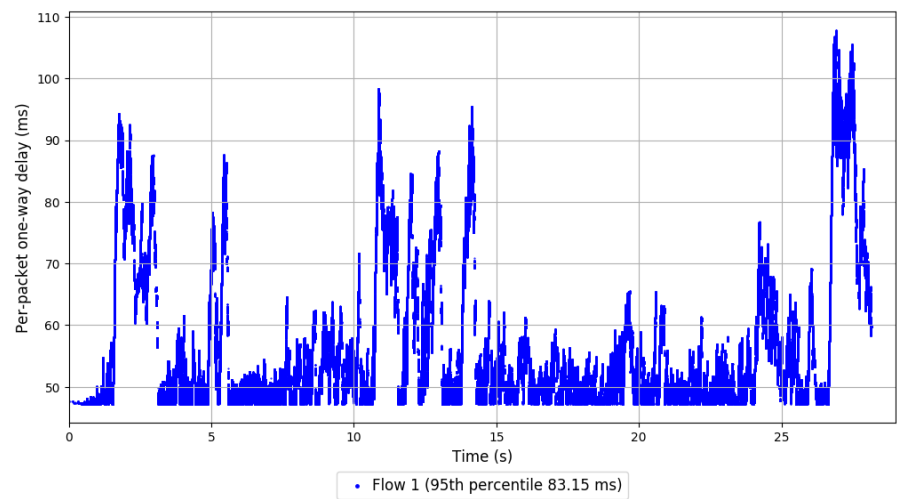
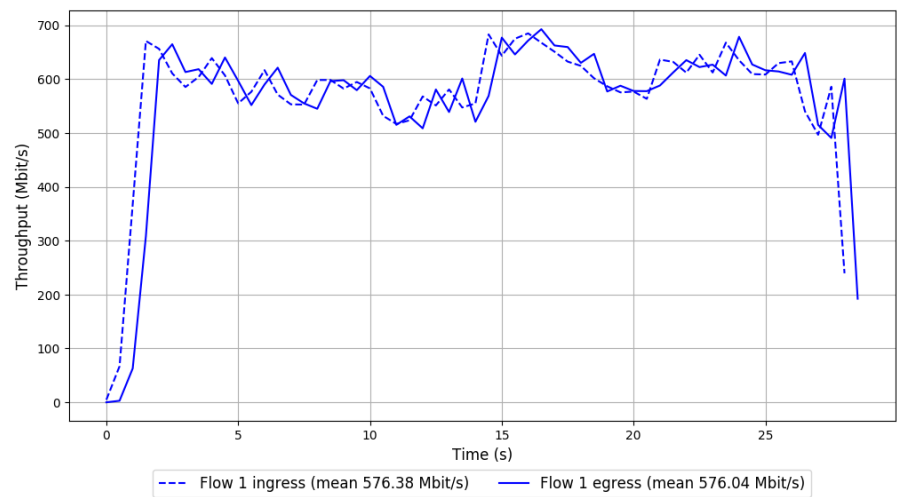


Run 3: Statistics of Indigo-MusesC5

Start at: 2019-08-27 16:43:58
End at: 2019-08-27 16:44:28
Local clock offset: -0.192 ms
Remote clock offset: -0.037 ms

Below is generated by plot.py at 2019-08-27 19:25:09
Datalink statistics
-- Total of 1 flow:
Average throughput: 576.04 Mbit/s
95th percentile per-packet one-way delay: 83.153 ms
Loss rate: 0.40%
-- Flow 1:
Average throughput: 576.04 Mbit/s
95th percentile per-packet one-way delay: 83.153 ms
Loss rate: 0.40%

Run 3: Report of Indigo-MusesC5 — Data Link

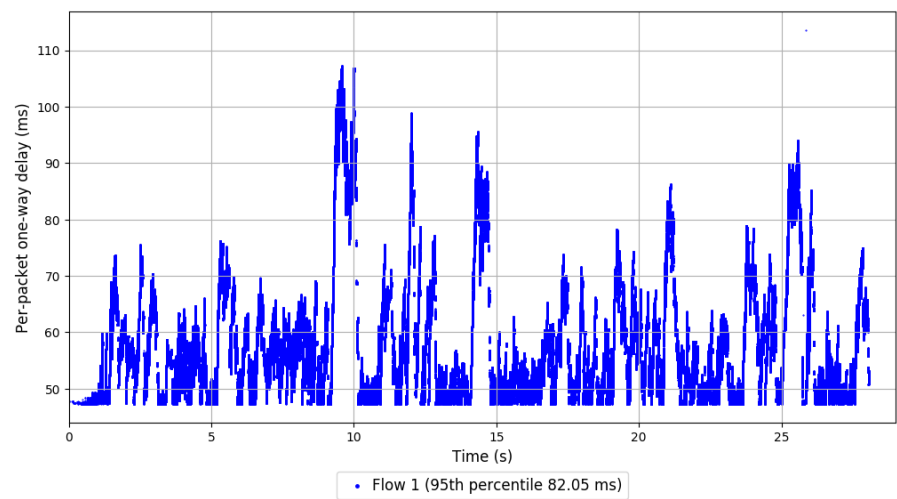
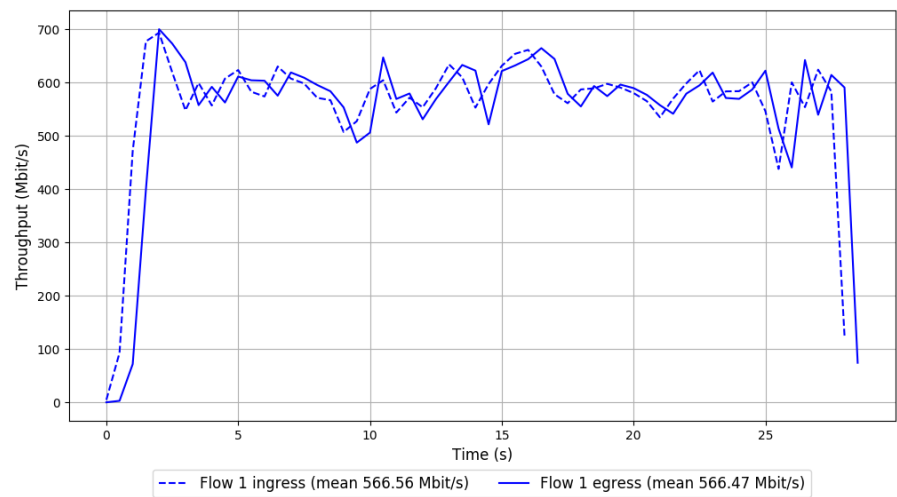


Run 4: Statistics of Indigo-MusesC5

Start at: 2019-08-27 17:18:05
End at: 2019-08-27 17:18:35
Local clock offset: -0.257 ms
Remote clock offset: -0.001 ms

Below is generated by plot.py at 2019-08-27 19:26:53
Datalink statistics
-- Total of 1 flow:
Average throughput: 566.47 Mbit/s
95th percentile per-packet one-way delay: 82.045 ms
Loss rate: 0.35%
-- Flow 1:
Average throughput: 566.47 Mbit/s
95th percentile per-packet one-way delay: 82.045 ms
Loss rate: 0.35%

Run 4: Report of Indigo-MusesC5 — Data Link

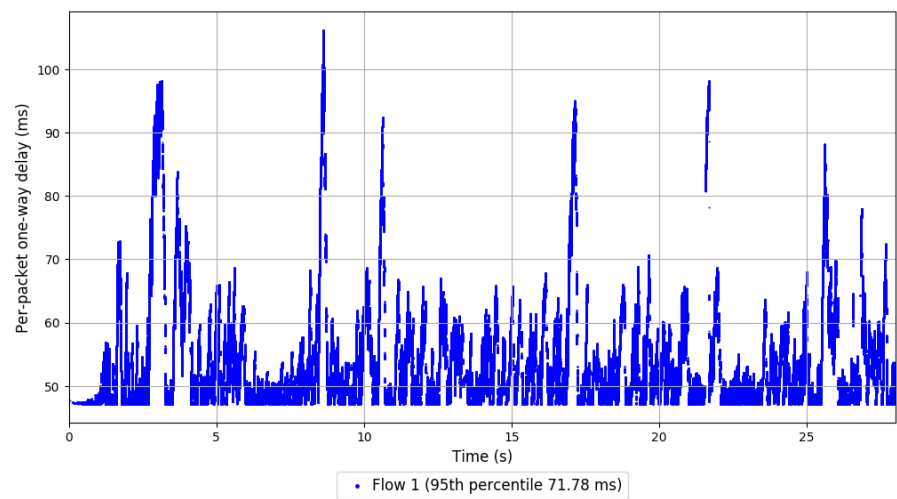
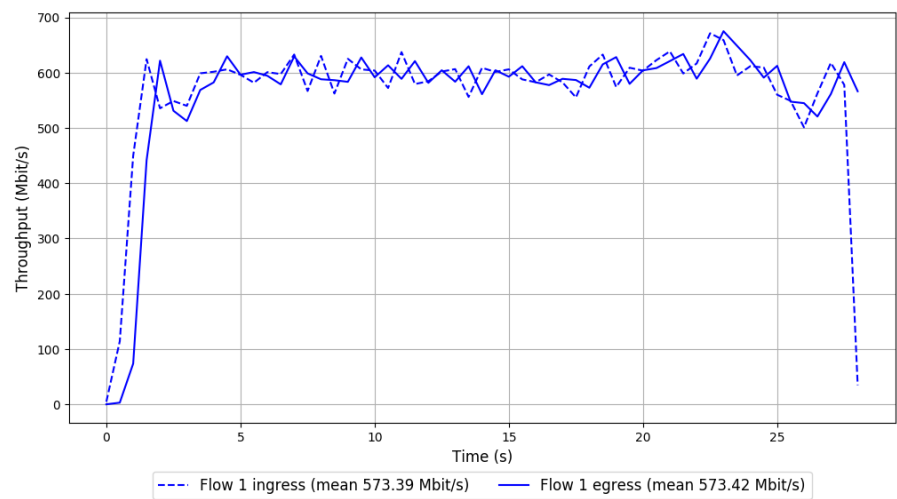


Run 5: Statistics of Indigo-MusesC5

Start at: 2019-08-27 17:51:59
End at: 2019-08-27 17:52:29
Local clock offset: -0.365 ms
Remote clock offset: -0.135 ms

Below is generated by plot.py at 2019-08-27 19:28:13
Datalink statistics
-- Total of 1 flow:
Average throughput: 573.42 Mbit/s
95th percentile per-packet one-way delay: 71.784 ms
Loss rate: 0.33%
-- Flow 1:
Average throughput: 573.42 Mbit/s
95th percentile per-packet one-way delay: 71.784 ms
Loss rate: 0.33%

Run 5: Report of Indigo-MusesC5 — Data Link



Run 1: Statistics of Indigo-MusesD

Start at: 2019-08-27 16:00:56

End at: 2019-08-27 16:01:26

Local clock offset: -0.171 ms

Remote clock offset: 0.01 ms

Below is generated by plot.py at 2019-08-27 19:28:13

Datalink statistics

-- Total of 1 flow:

Average throughput: 473.69 Mbit/s

95th percentile per-packet one-way delay: 84.805 ms

Loss rate: 0.26%

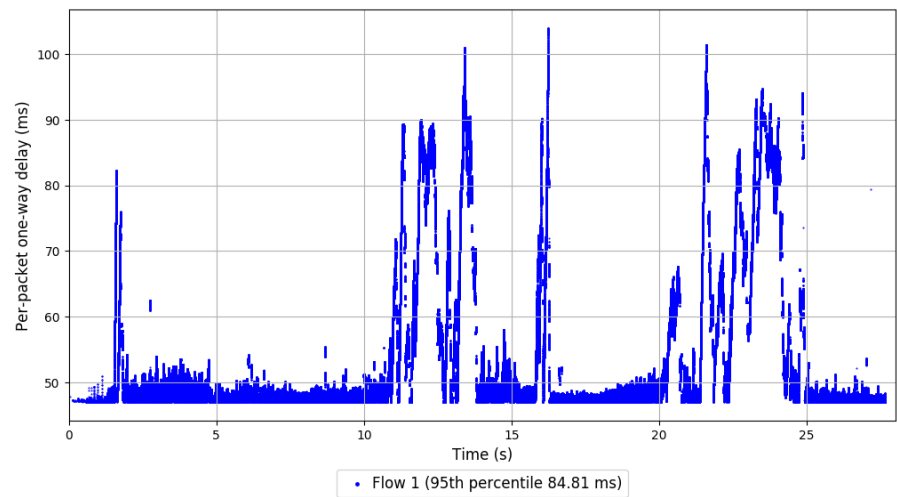
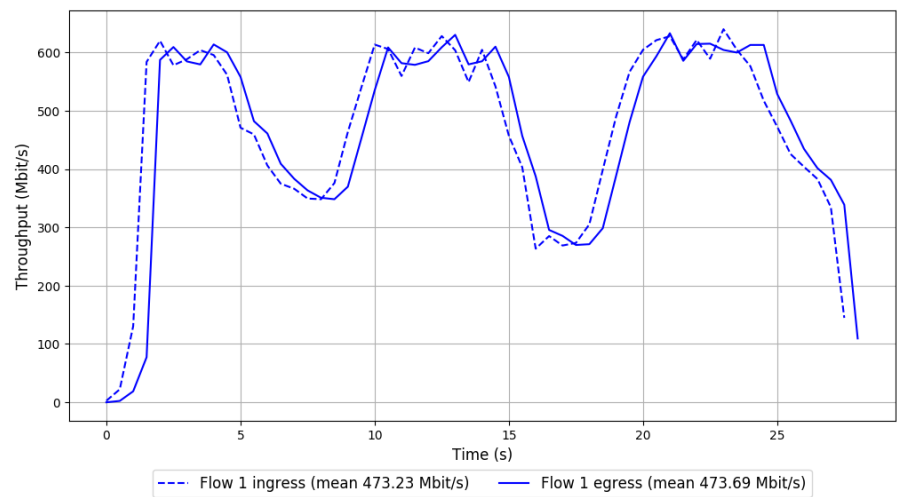
-- Flow 1:

Average throughput: 473.69 Mbit/s

95th percentile per-packet one-way delay: 84.805 ms

Loss rate: 0.26%

Run 1: Report of Indigo-MusesD — Data Link



Run 2: Statistics of Indigo-MusesD

Start at: 2019-08-27 16:35:10

End at: 2019-08-27 16:35:40

Local clock offset: -0.2 ms

Remote clock offset: -0.007 ms

Below is generated by plot.py at 2019-08-27 19:29:35

Datalink statistics

-- Total of 1 flow:

Average throughput: 484.65 Mbit/s

95th percentile per-packet one-way delay: 56.393 ms

Loss rate: 0.44%

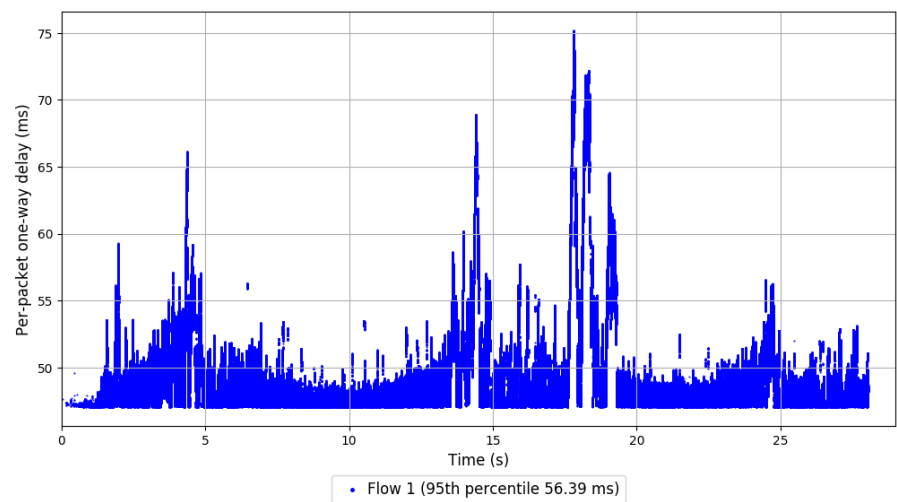
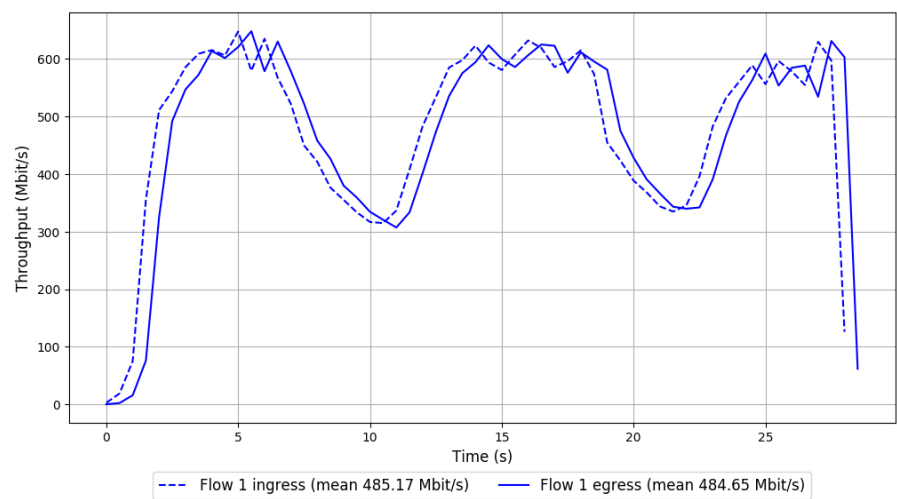
-- Flow 1:

Average throughput: 484.65 Mbit/s

95th percentile per-packet one-way delay: 56.393 ms

Loss rate: 0.44%

Run 2: Report of Indigo-MusesD — Data Link



Run 3: Statistics of Indigo-MusesD

Start at: 2019-08-27 17:09:13

End at: 2019-08-27 17:09:43

Local clock offset: -0.234 ms

Remote clock offset: 0.014 ms

Below is generated by plot.py at 2019-08-27 19:30:09

Datalink statistics

-- Total of 1 flow:

Average throughput: 487.04 Mbit/s

95th percentile per-packet one-way delay: 93.203 ms

Loss rate: 0.29%

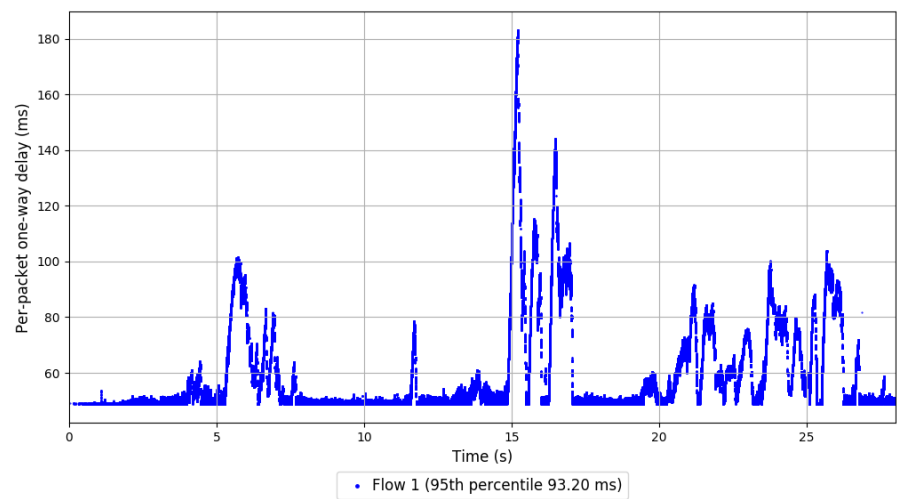
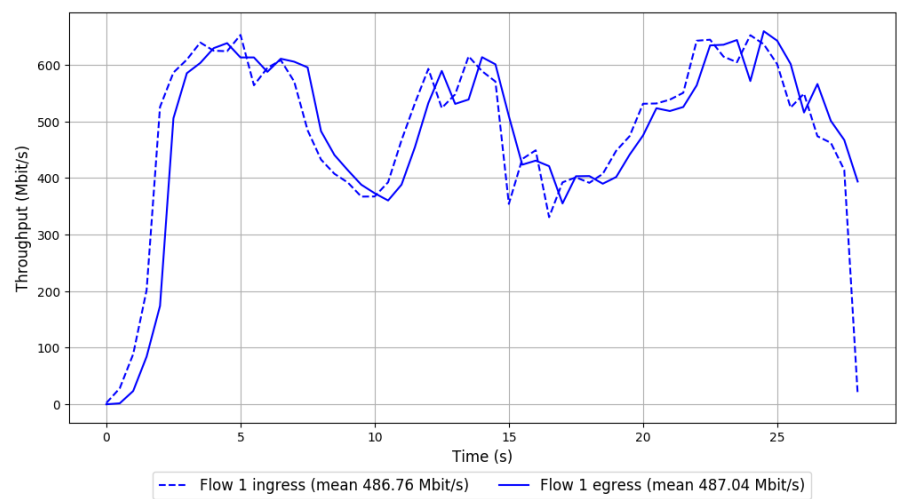
-- Flow 1:

Average throughput: 487.04 Mbit/s

95th percentile per-packet one-way delay: 93.203 ms

Loss rate: 0.29%

Run 3: Report of Indigo-MusesD — Data Link

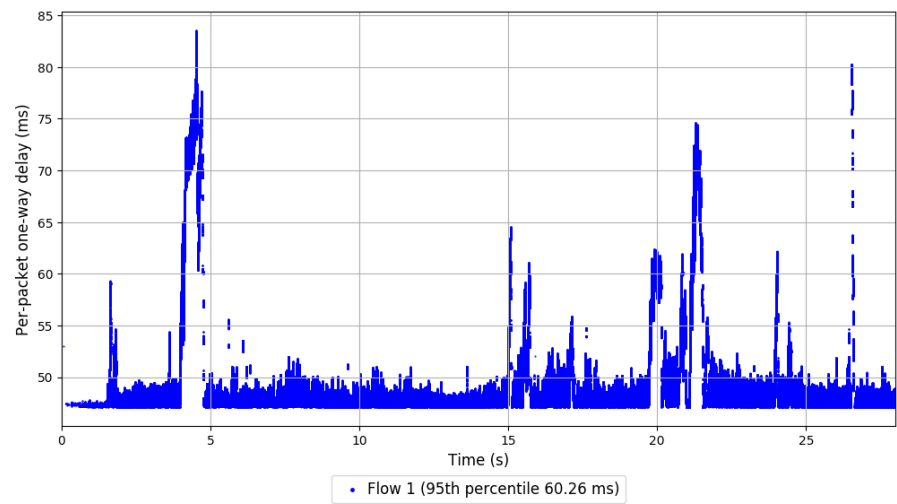
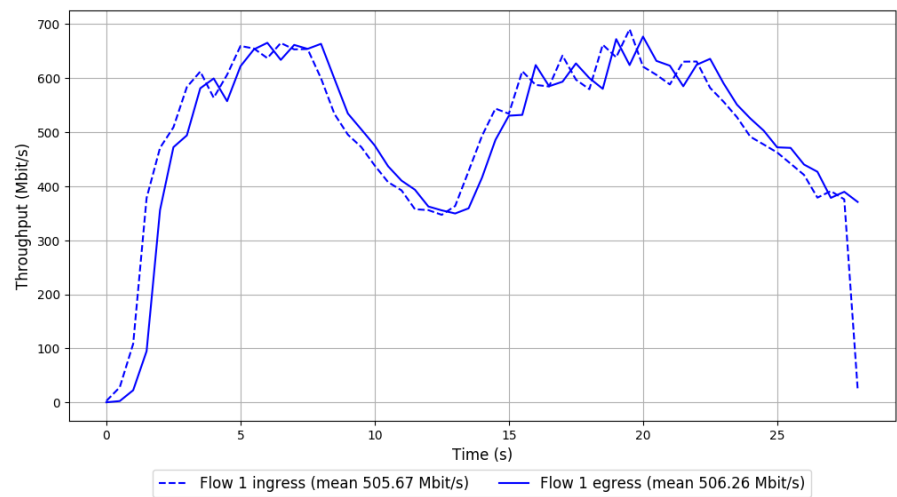


Run 4: Statistics of Indigo-MusesD

Start at: 2019-08-27 17:43:17
End at: 2019-08-27 17:43:47
Local clock offset: -0.265 ms
Remote clock offset: -0.071 ms

Below is generated by plot.py at 2019-08-27 19:30:30
Datalink statistics
-- Total of 1 flow:
Average throughput: 506.26 Mbit/s
95th percentile per-packet one-way delay: 60.257 ms
Loss rate: 0.24%
-- Flow 1:
Average throughput: 506.26 Mbit/s
95th percentile per-packet one-way delay: 60.257 ms
Loss rate: 0.24%

Run 4: Report of Indigo-MusesD — Data Link

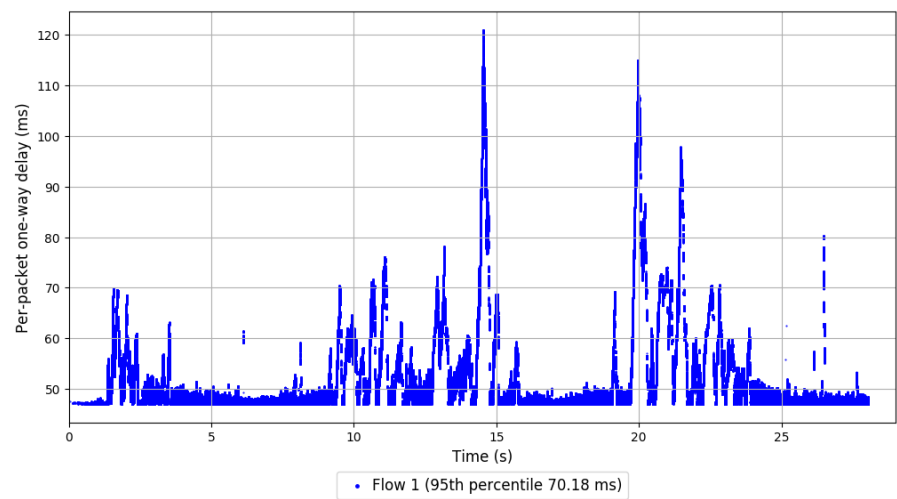
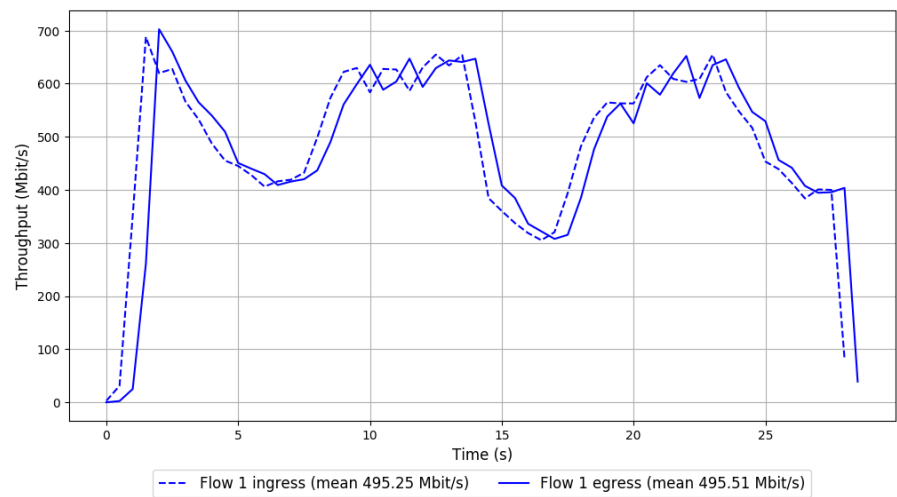


Run 5: Statistics of Indigo-MusesD

Start at: 2019-08-27 18:17:35
End at: 2019-08-27 18:18:05
Local clock offset: -0.364 ms
Remote clock offset: -0.105 ms

Below is generated by plot.py at 2019-08-27 19:30:36
Datalink statistics
-- Total of 1 flow:
Average throughput: 495.51 Mbit/s
95th percentile per-packet one-way delay: 70.181 ms
Loss rate: 0.29%
-- Flow 1:
Average throughput: 495.51 Mbit/s
95th percentile per-packet one-way delay: 70.181 ms
Loss rate: 0.29%

Run 5: Report of Indigo-MusesD — Data Link

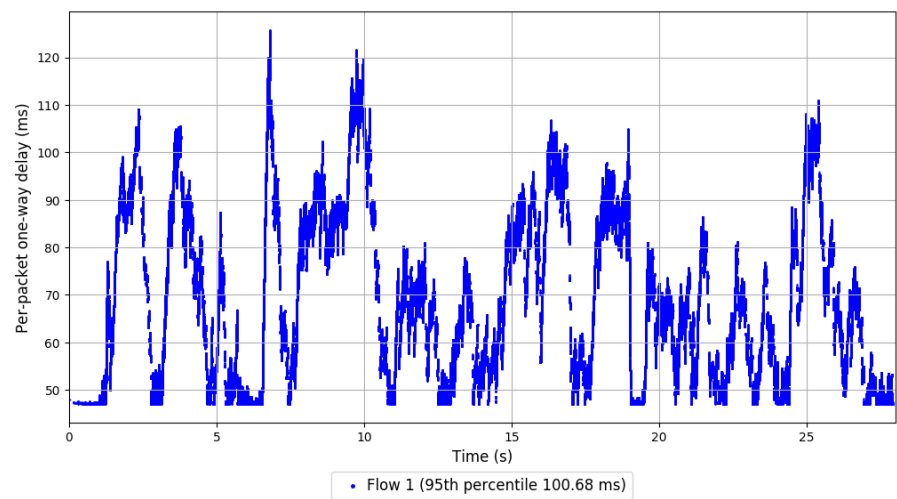
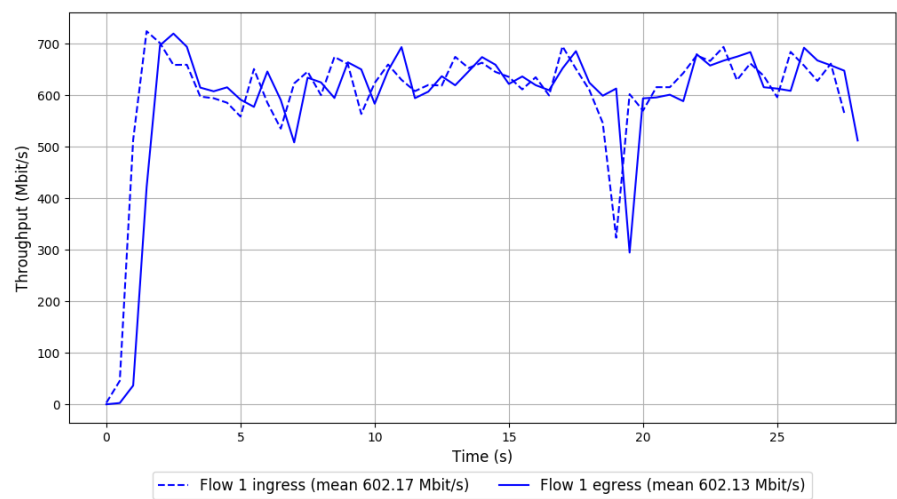


```
Run 1: Statistics of Indigo-MusesT

Start at: 2019-08-27 16:03:48
End at: 2019-08-27 16:04:18
Local clock offset: -0.187 ms
Remote clock offset: 0.003 ms

# Below is generated by plot.py at 2019-08-27 19:34:02
# Datalink statistics
-- Total of 1 flow:
Average throughput: 602.13 Mbit/s
95th percentile per-packet one-way delay: 100.682 ms
Loss rate: 0.36%
-- Flow 1:
Average throughput: 602.13 Mbit/s
95th percentile per-packet one-way delay: 100.682 ms
Loss rate: 0.36%
```

Run 1: Report of Indigo-MusesT — Data Link



Run 2: Statistics of Indigo-MusesT

Start at: 2019-08-27 16:38:02

End at: 2019-08-27 16:38:32

Local clock offset: -0.227 ms

Remote clock offset: 0.015 ms

Below is generated by plot.py at 2019-08-27 19:35:03

Datalink statistics

-- Total of 1 flow:

Average throughput: 550.76 Mbit/s

95th percentile per-packet one-way delay: 77.926 ms

Loss rate: 0.35%

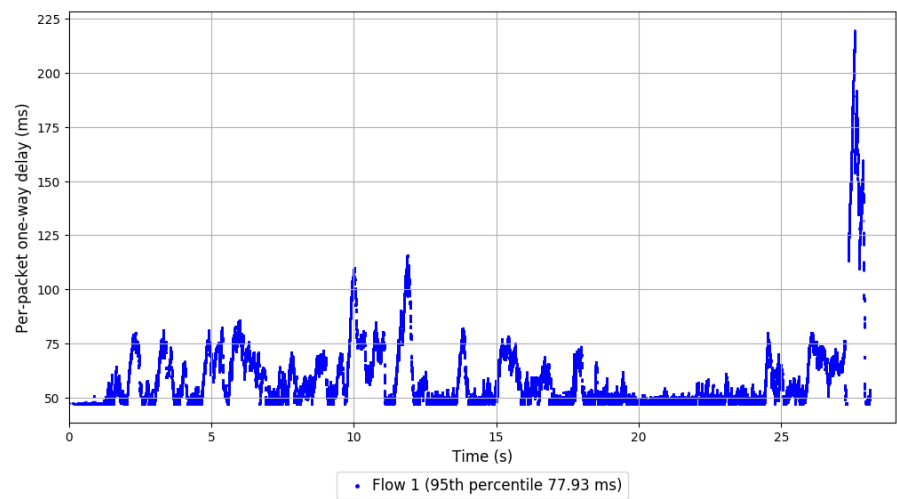
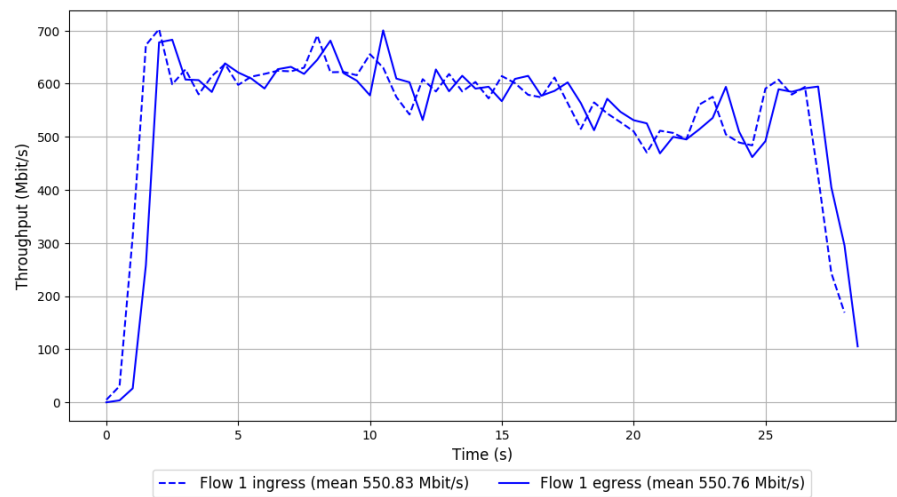
-- Flow 1:

Average throughput: 550.76 Mbit/s

95th percentile per-packet one-way delay: 77.926 ms

Loss rate: 0.35%

Run 2: Report of Indigo-MusesT — Data Link

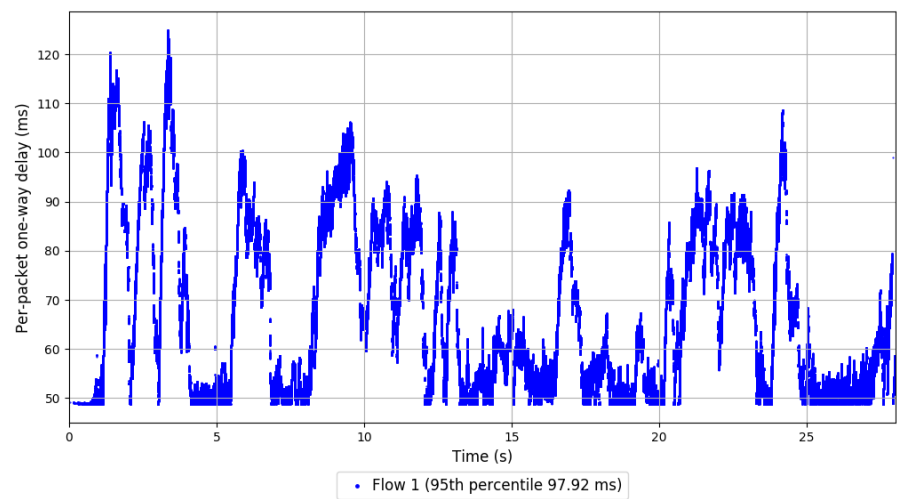
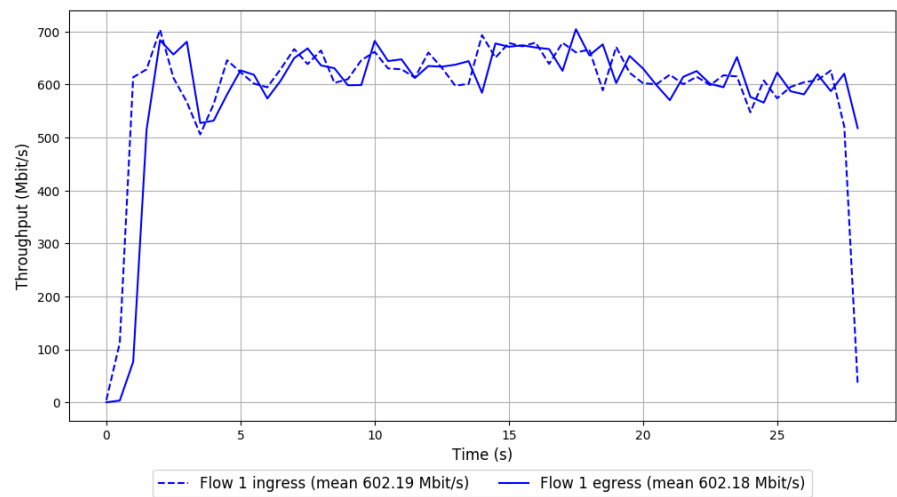


Run 3: Statistics of Indigo-MusesT

Start at: 2019-08-27 17:12:07
End at: 2019-08-27 17:12:37
Local clock offset: -0.246 ms
Remote clock offset: -0.014 ms

Below is generated by plot.py at 2019-08-27 19:36:10
Datalink statistics
-- Total of 1 flow:
Average throughput: 602.18 Mbit/s
95th percentile per-packet one-way delay: 97.916 ms
Loss rate: 0.35%
-- Flow 1:
Average throughput: 602.18 Mbit/s
95th percentile per-packet one-way delay: 97.916 ms
Loss rate: 0.35%

Run 3: Report of Indigo-MusesT — Data Link



Run 4: Statistics of Indigo-MusesT

Start at: 2019-08-27 17:46:03

End at: 2019-08-27 17:46:33

Local clock offset: -0.366 ms

Remote clock offset: -0.112 ms

Below is generated by plot.py at 2019-08-27 19:36:48

Datalink statistics

-- Total of 1 flow:

Average throughput: 620.12 Mbit/s

95th percentile per-packet one-way delay: 99.034 ms

Loss rate: 0.48%

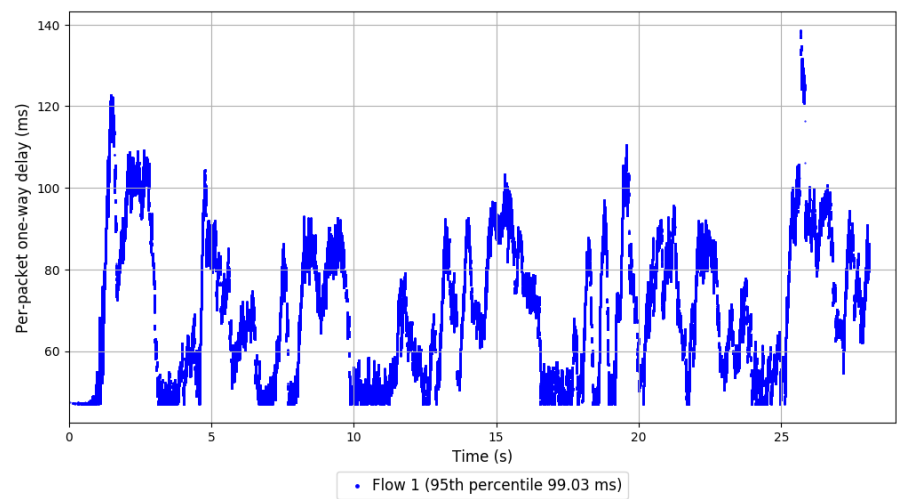
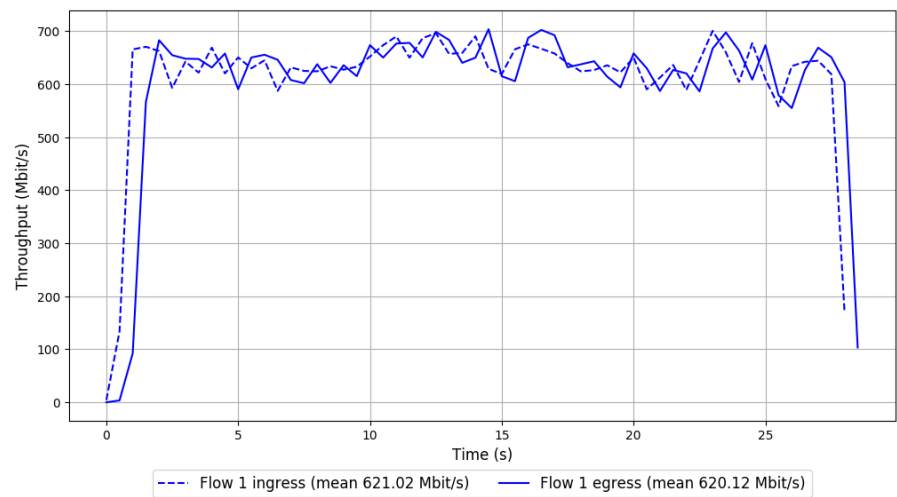
-- Flow 1:

Average throughput: 620.12 Mbit/s

95th percentile per-packet one-way delay: 99.034 ms

Loss rate: 0.48%

Run 4: Report of Indigo-MusesT — Data Link



Run 5: Statistics of Indigo-MusesT

Start at: 2019-08-27 18:20:28

End at: 2019-08-27 18:20:58

Local clock offset: -0.001 ms

Remote clock offset: -0.11 ms

Below is generated by plot.py at 2019-08-27 19:37:49

Datalink statistics

-- Total of 1 flow:

Average throughput: 597.89 Mbit/s

95th percentile per-packet one-way delay: 87.223 ms

Loss rate: 0.52%

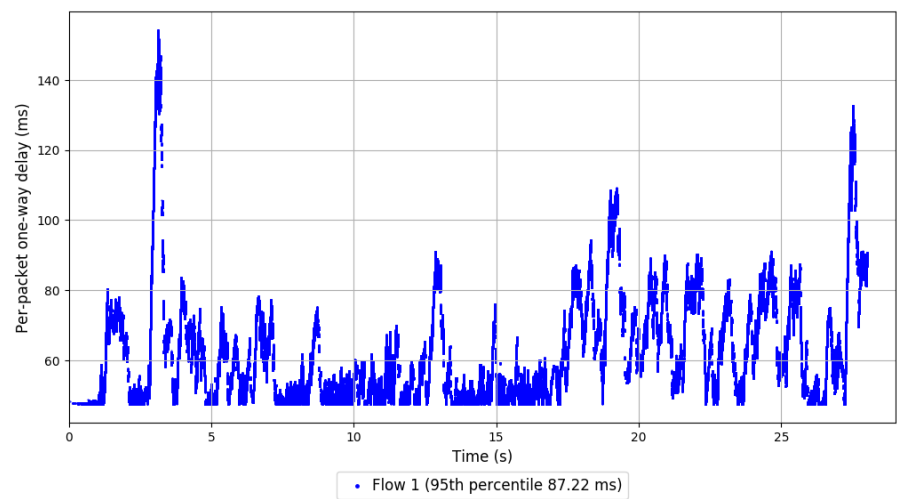
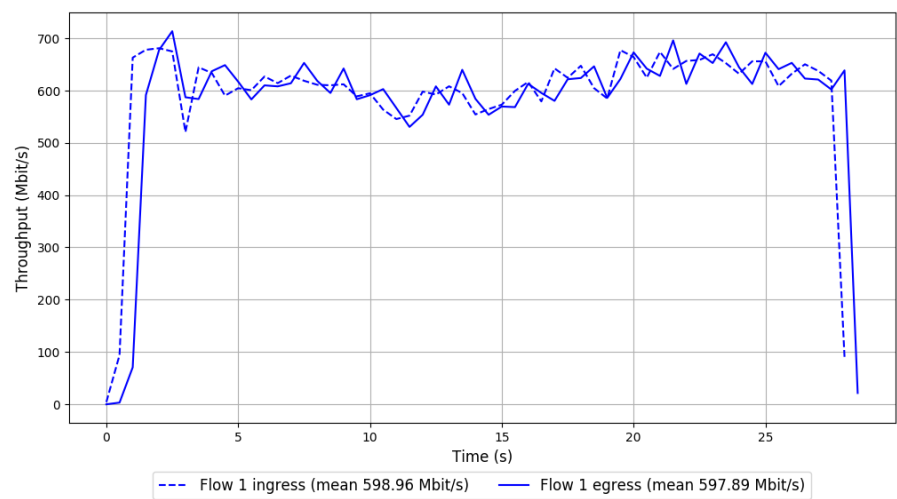
-- Flow 1:

Average throughput: 597.89 Mbit/s

95th percentile per-packet one-way delay: 87.223 ms

Loss rate: 0.52%

Run 5: Report of Indigo-MusesT — Data Link



Run 1: Statistics of LEDBAT

Start at: 2019-08-27 15:51:30

End at: 2019-08-27 15:52:00

Local clock offset: -0.191 ms

Remote clock offset: -0.02 ms

Below is generated by plot.py at 2019-08-27 19:37:49

Datalink statistics

-- Total of 1 flow:

Average throughput: 39.15 Mbit/s

95th percentile per-packet one-way delay: 49.905 ms

Loss rate: 0.64%

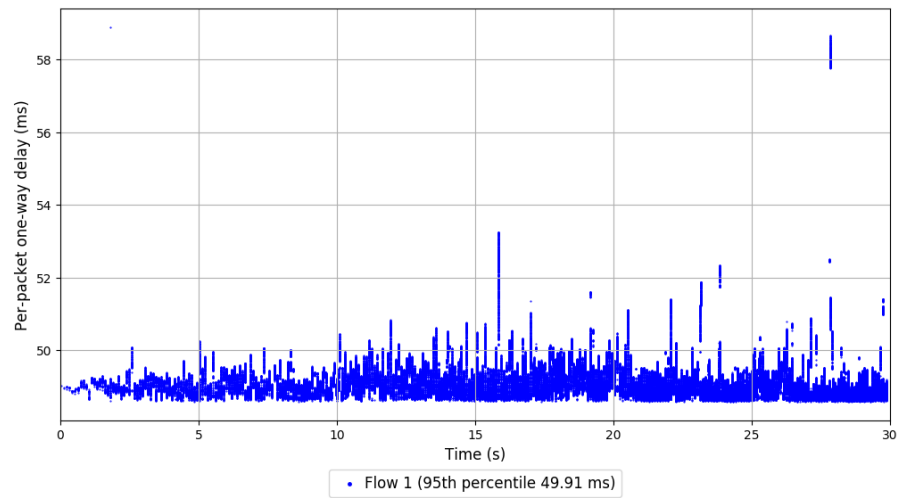
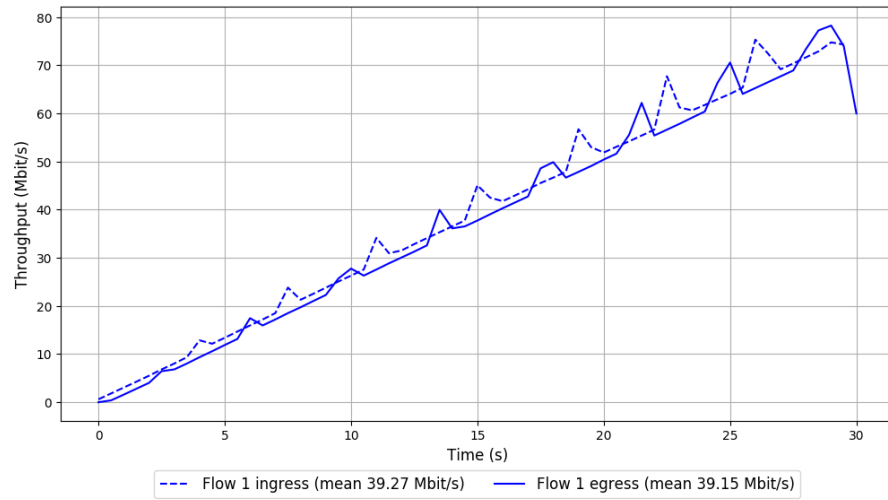
-- Flow 1:

Average throughput: 39.15 Mbit/s

95th percentile per-packet one-way delay: 49.905 ms

Loss rate: 0.64%

Run 1: Report of LEDBAT — Data Link

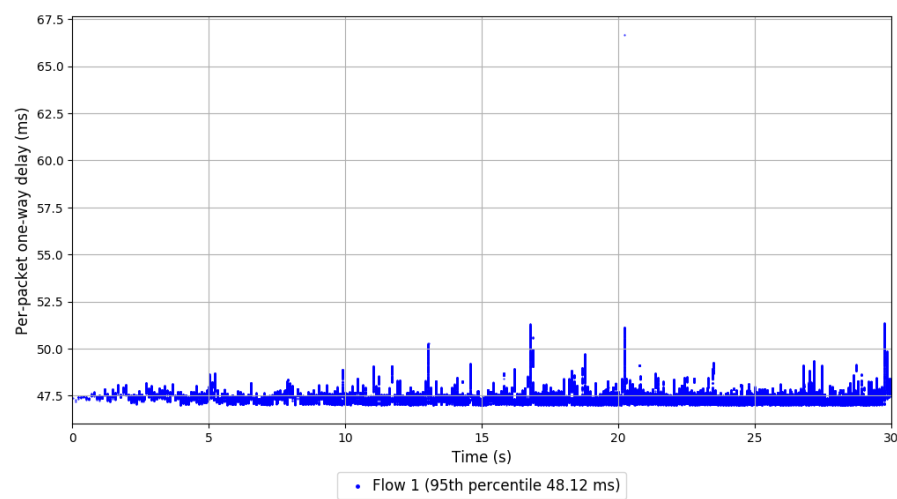
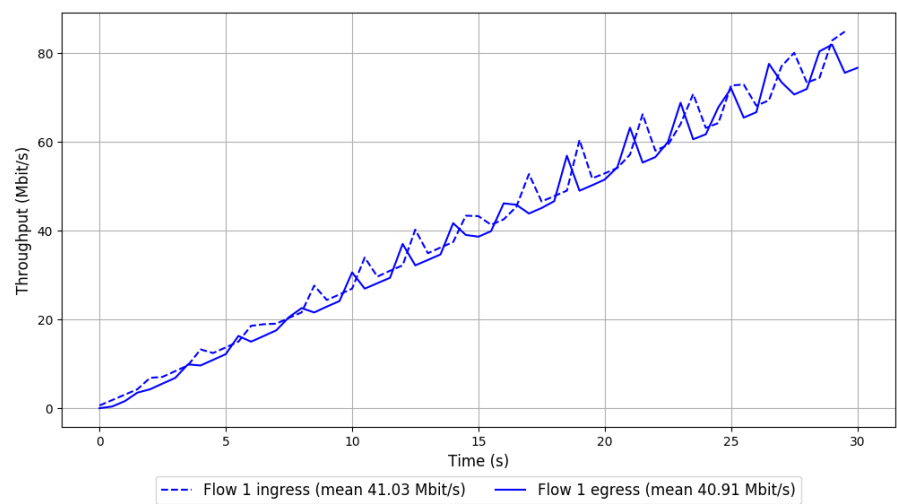


Run 2: Statistics of LEDBAT

Start at: 2019-08-27 16:25:38
End at: 2019-08-27 16:26:08
Local clock offset: -0.209 ms
Remote clock offset: -0.004 ms

Below is generated by plot.py at 2019-08-27 19:37:49
Datalink statistics
-- Total of 1 flow:
Average throughput: 40.91 Mbit/s
95th percentile per-packet one-way delay: 48.120 ms
Loss rate: 0.63%
-- Flow 1:
Average throughput: 40.91 Mbit/s
95th percentile per-packet one-way delay: 48.120 ms
Loss rate: 0.63%

Run 2: Report of LEDBAT — Data Link



Run 3: Statistics of LEDBAT

Start at: 2019-08-27 16:59:50

End at: 2019-08-27 17:00:20

Local clock offset: -0.223 ms

Remote clock offset: 0.036 ms

Below is generated by plot.py at 2019-08-27 19:37:49

Datalink statistics

-- Total of 1 flow:

Average throughput: 35.63 Mbit/s

95th percentile per-packet one-way delay: 48.505 ms

Loss rate: 0.43%

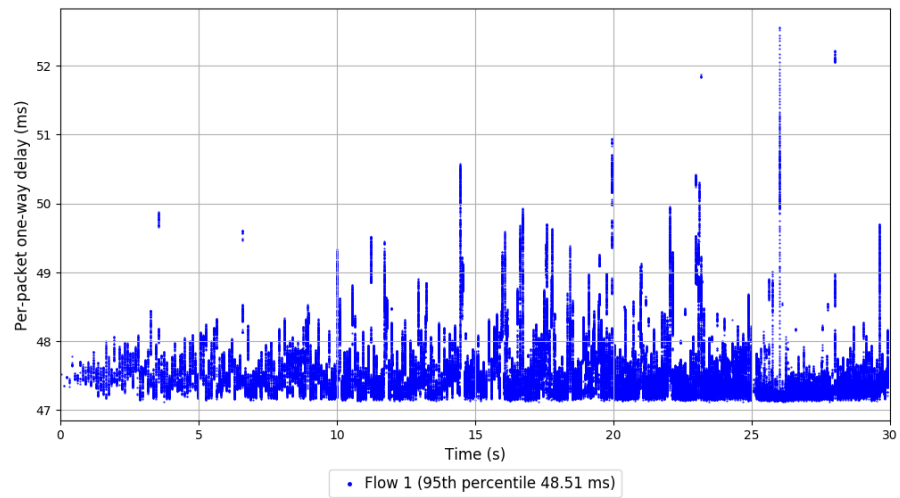
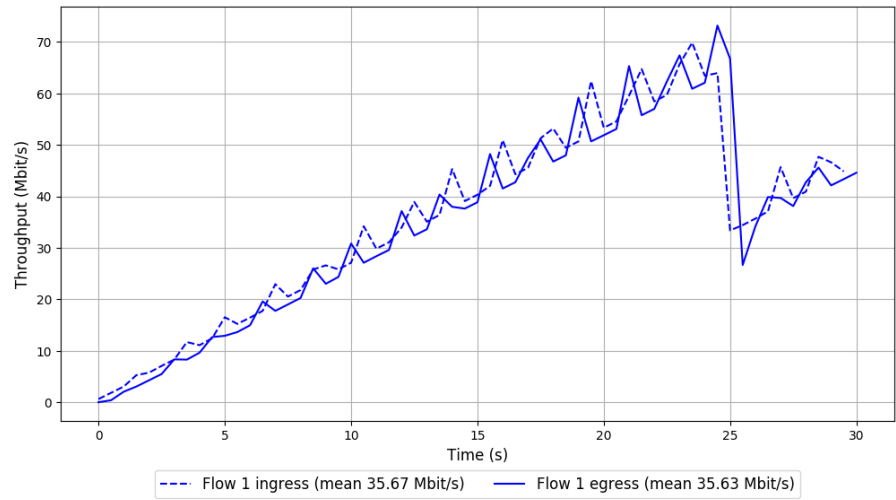
-- Flow 1:

Average throughput: 35.63 Mbit/s

95th percentile per-packet one-way delay: 48.505 ms

Loss rate: 0.43%

Run 3: Report of LEDBAT — Data Link

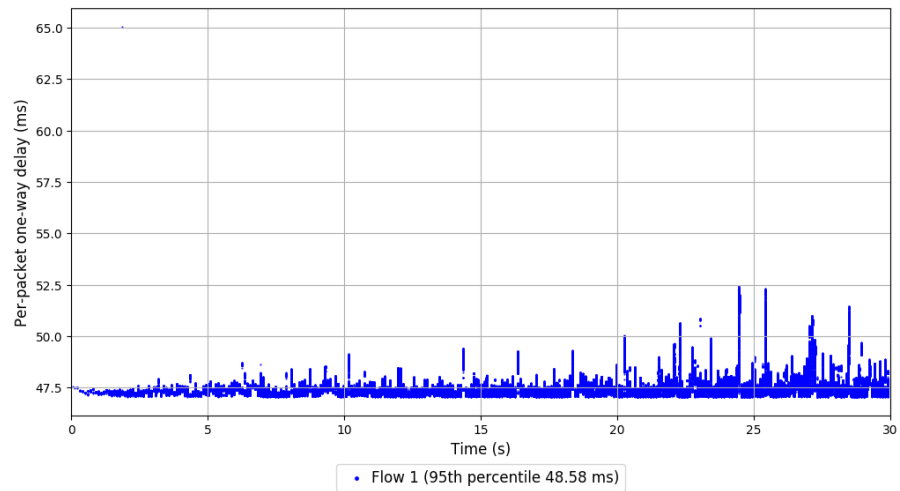
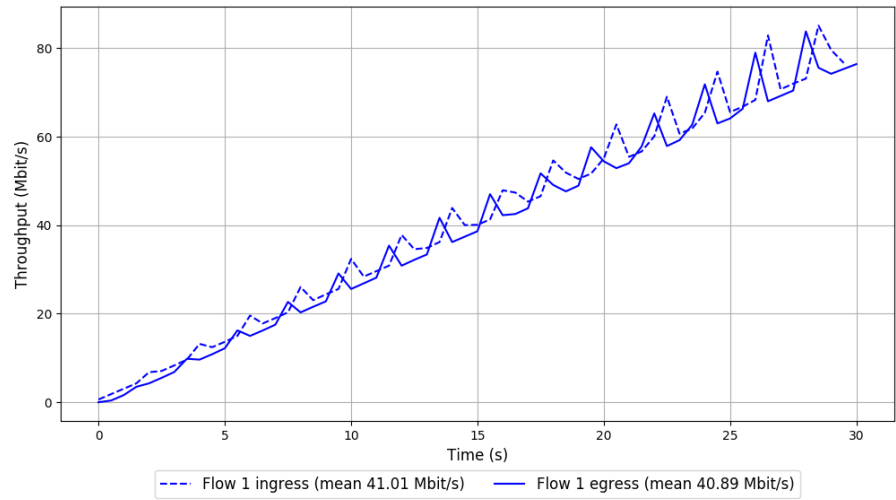


Run 4: Statistics of LEDBAT

Start at: 2019-08-27 17:33:54
End at: 2019-08-27 17:34:24
Local clock offset: -0.294 ms
Remote clock offset: -0.008 ms

Below is generated by plot.py at 2019-08-27 19:37:49
Datalink statistics
-- Total of 1 flow:
Average throughput: 40.89 Mbit/s
95th percentile per-packet one-way delay: 48.583 ms
Loss rate: 0.63%
-- Flow 1:
Average throughput: 40.89 Mbit/s
95th percentile per-packet one-way delay: 48.583 ms
Loss rate: 0.63%

Run 4: Report of LEDBAT — Data Link

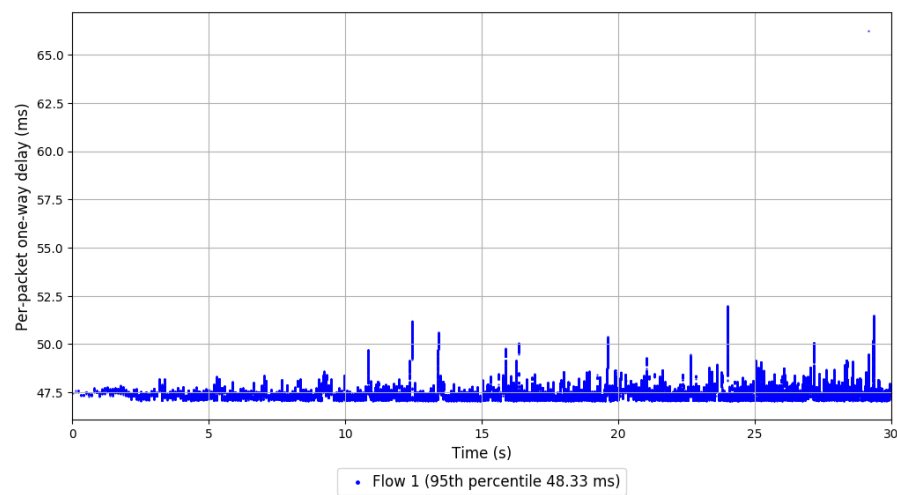
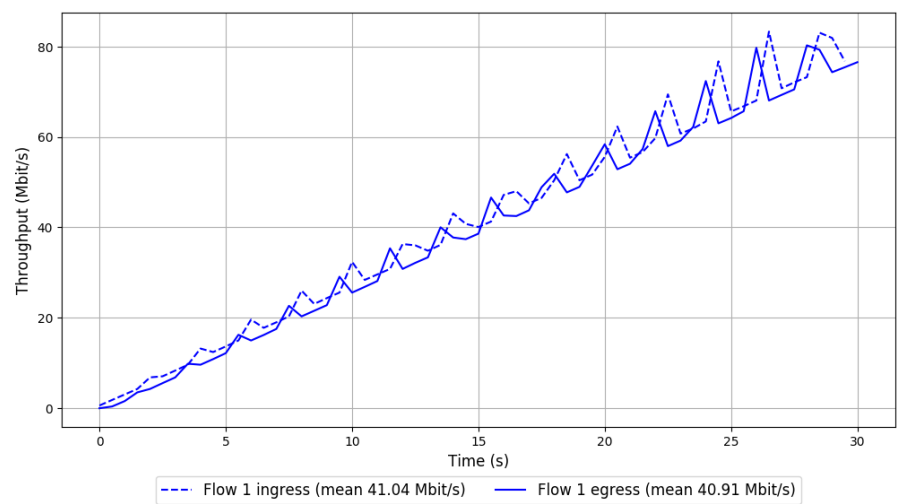


Run 5: Statistics of LEDBAT

Start at: 2019-08-27 18:08:04
End at: 2019-08-27 18:08:34
Local clock offset: -0.366 ms
Remote clock offset: -0.185 ms

Below is generated by plot.py at 2019-08-27 19:37:49
Datalink statistics
-- Total of 1 flow:
Average throughput: 40.91 Mbit/s
95th percentile per-packet one-way delay: 48.328 ms
Loss rate: 0.63%
-- Flow 1:
Average throughput: 40.91 Mbit/s
95th percentile per-packet one-way delay: 48.328 ms
Loss rate: 0.63%

Run 5: Report of LEDBAT — Data Link

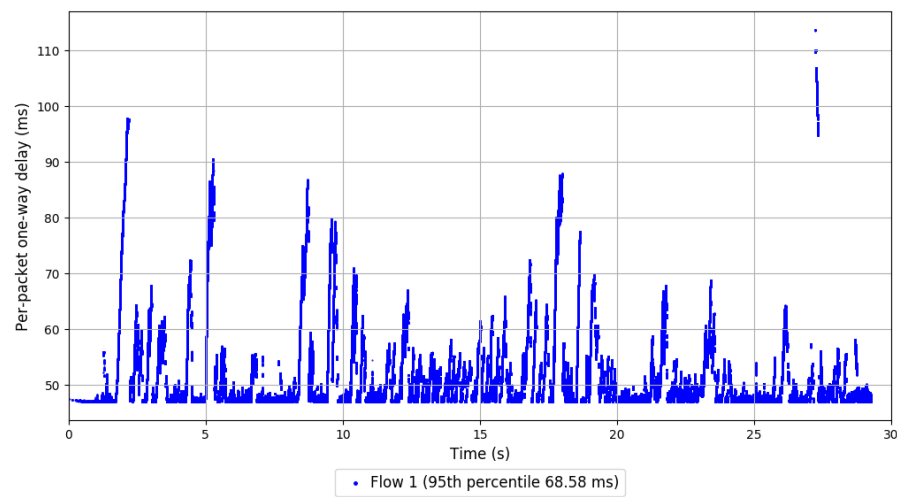
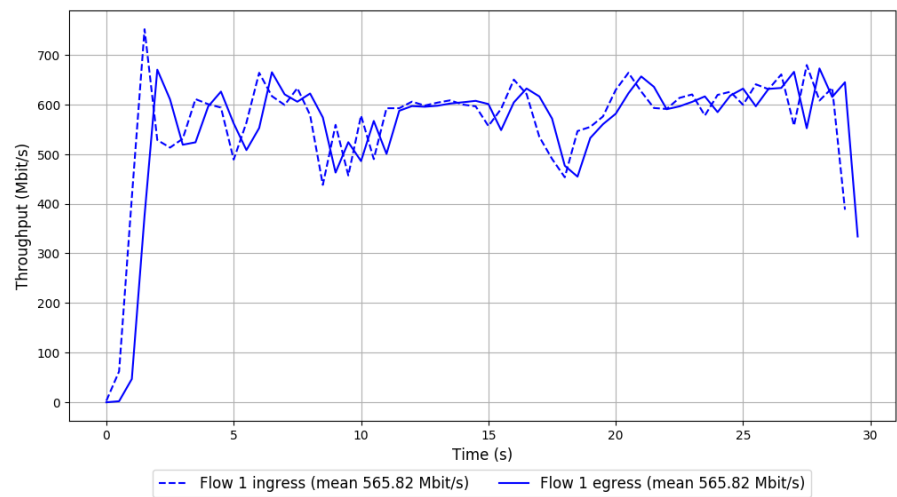


Run 1: Statistics of Muses_DecisionTree

Start at: 2019-08-27 15:54:18
End at: 2019-08-27 15:54:48
Local clock offset: -0.262 ms
Remote clock offset: -0.022 ms

Below is generated by plot.py at 2019-08-27 19:40:52
Datalink statistics
-- Total of 1 flow:
Average throughput: 565.82 Mbit/s
95th percentile per-packet one-way delay: 68.581 ms
Loss rate: 0.33%
-- Flow 1:
Average throughput: 565.82 Mbit/s
95th percentile per-packet one-way delay: 68.581 ms
Loss rate: 0.33%

Run 1: Report of Muses_DecisionTree — Data Link

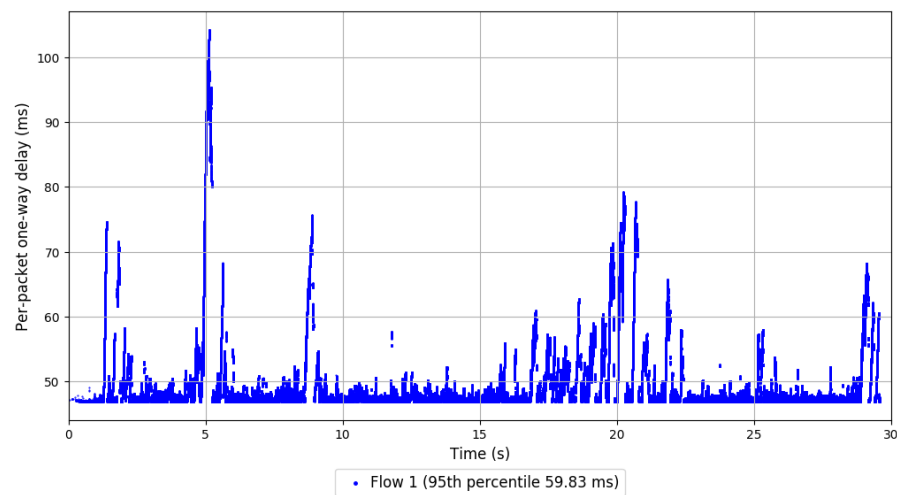
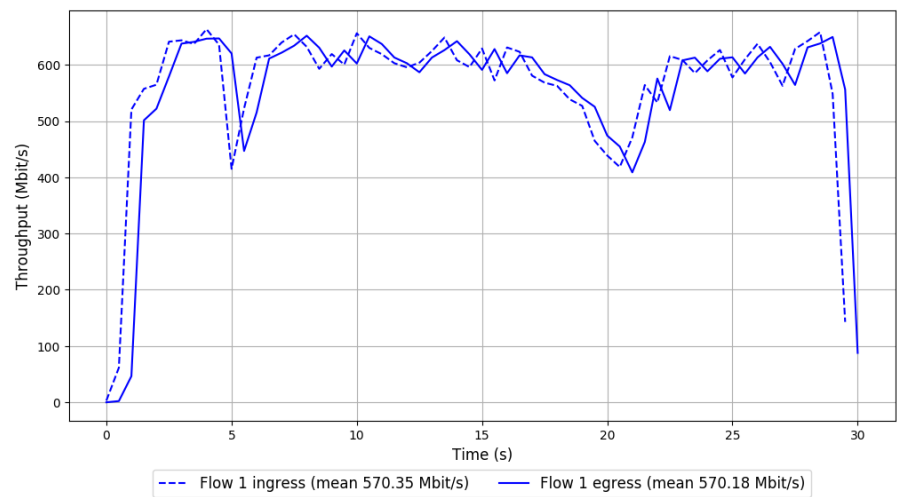


Run 2: Statistics of Muses_DecisionTree

Start at: 2019-08-27 16:28:28
End at: 2019-08-27 16:28:58
Local clock offset: -0.293 ms
Remote clock offset: -0.005 ms

Below is generated by plot.py at 2019-08-27 19:41:18
Datalink statistics
-- Total of 1 flow:
Average throughput: 570.18 Mbit/s
95th percentile per-packet one-way delay: 59.826 ms
Loss rate: 0.35%
-- Flow 1:
Average throughput: 570.18 Mbit/s
95th percentile per-packet one-way delay: 59.826 ms
Loss rate: 0.35%

Run 2: Report of Muses_DecisionTree — Data Link



Run 3: Statistics of Muses_DecisionTree

Start at: 2019-08-27 17:02:37

End at: 2019-08-27 17:03:07

Local clock offset: -0.259 ms

Remote clock offset: 0.004 ms

Below is generated by plot.py at 2019-08-27 19:42:18

Datalink statistics

-- Total of 1 flow:

Average throughput: 580.39 Mbit/s

95th percentile per-packet one-way delay: 67.423 ms

Loss rate: 0.34%

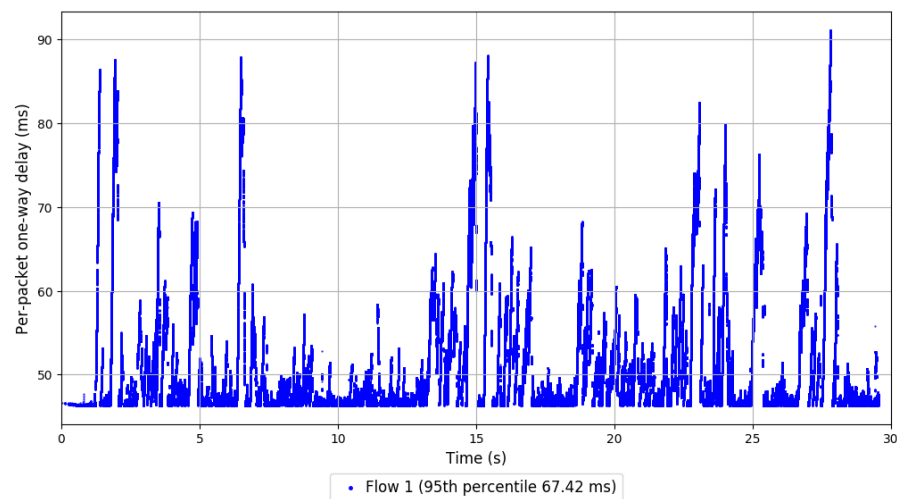
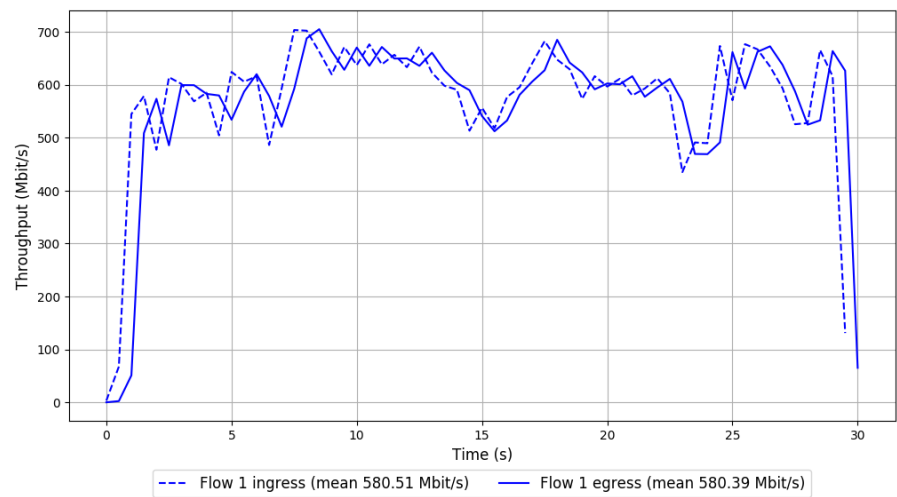
-- Flow 1:

Average throughput: 580.39 Mbit/s

95th percentile per-packet one-way delay: 67.423 ms

Loss rate: 0.34%

Run 3: Report of Muses_DecisionTree — Data Link



Run 4: Statistics of Muses_DecisionTree

Start at: 2019-08-27 17:36:43

End at: 2019-08-27 17:37:13

Local clock offset: -0.308 ms

Remote clock offset: -0.0 ms

Below is generated by plot.py at 2019-08-27 19:43:01

Datalink statistics

-- Total of 1 flow:

Average throughput: 586.51 Mbit/s

95th percentile per-packet one-way delay: 56.875 ms

Loss rate: 0.34%

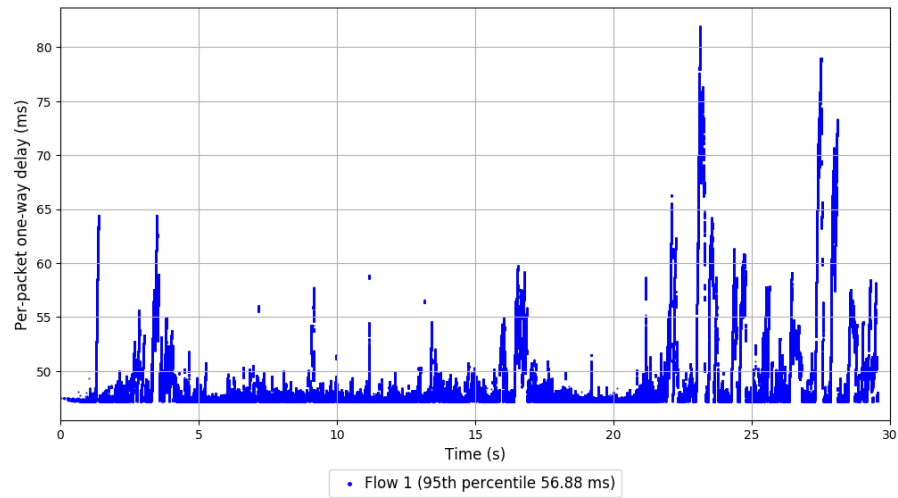
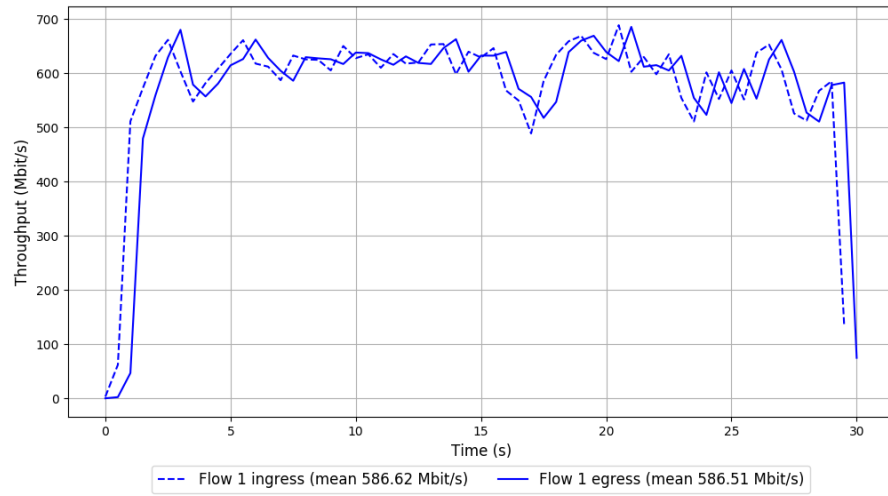
-- Flow 1:

Average throughput: 586.51 Mbit/s

95th percentile per-packet one-way delay: 56.875 ms

Loss rate: 0.34%

Run 4: Report of Muses_DecisionTree — Data Link

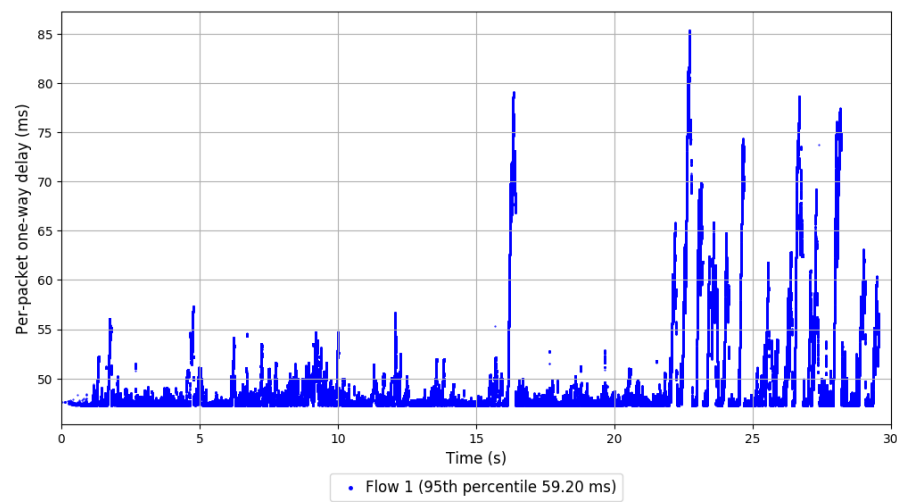
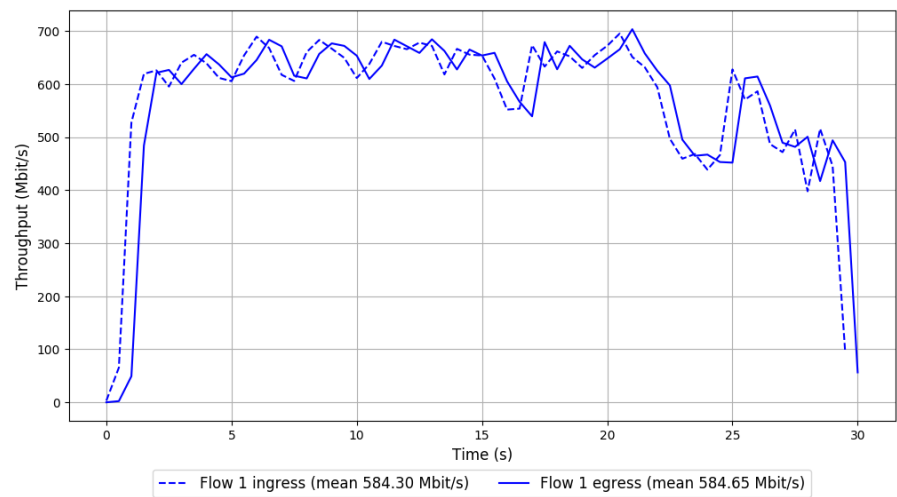


Run 5: Statistics of Muses_DecisionTree

Start at: 2019-08-27 18:10:54
End at: 2019-08-27 18:11:24
Local clock offset: -0.353 ms
Remote clock offset: -0.203 ms

Below is generated by plot.py at 2019-08-27 19:43:47
Datalink statistics
-- Total of 1 flow:
Average throughput: 584.65 Mbit/s
95th percentile per-packet one-way delay: 59.195 ms
Loss rate: 0.26%
-- Flow 1:
Average throughput: 584.65 Mbit/s
95th percentile per-packet one-way delay: 59.195 ms
Loss rate: 0.26%

Run 5: Report of Muses_DecisionTree — Data Link

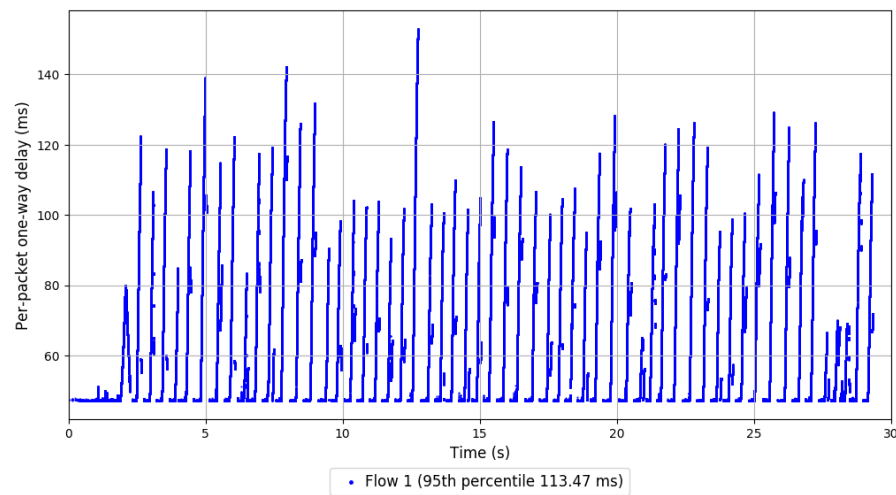
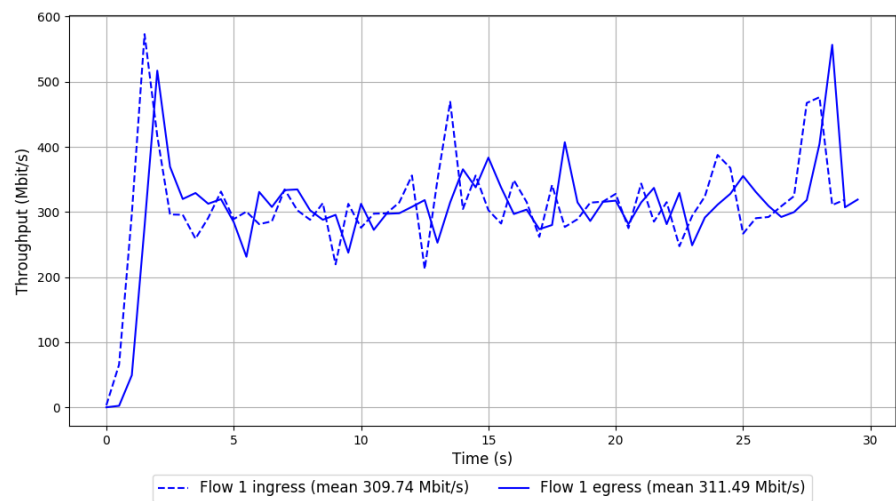


Run 1: Statistics of Muses_DecisionTreeH0

Start at: 2019-08-27 16:06:43
End at: 2019-08-27 16:07:13
Local clock offset: -0.194 ms
Remote clock offset: -0.003 ms

Below is generated by plot.py at 2019-08-27 19:43:47
Datalink statistics
-- Total of 1 flow:
Average throughput: 311.49 Mbit/s
95th percentile per-packet one-way delay: 113.471 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 311.49 Mbit/s
95th percentile per-packet one-way delay: 113.471 ms
Loss rate: 0.04%

Run 1: Report of Muses_DecisionTreeH0 — Data Link



Run 2: Statistics of Muses_DecisionTreeH0

Start at: 2019-08-27 16:40:58

End at: 2019-08-27 16:41:28

Local clock offset: 0.149 ms

Remote clock offset: 0.029 ms

Below is generated by plot.py at 2019-08-27 19:43:47

Datalink statistics

-- Total of 1 flow:

Average throughput: 290.89 Mbit/s

95th percentile per-packet one-way delay: 118.358 ms

Loss rate: 1.00%

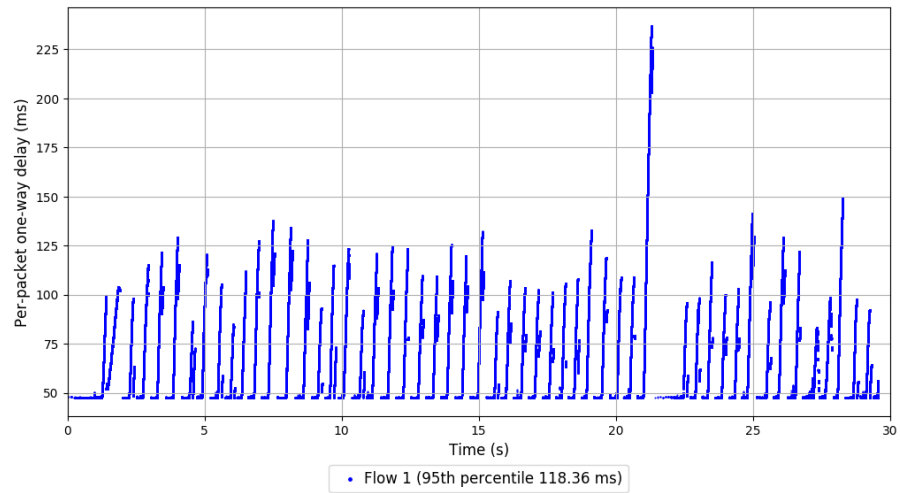
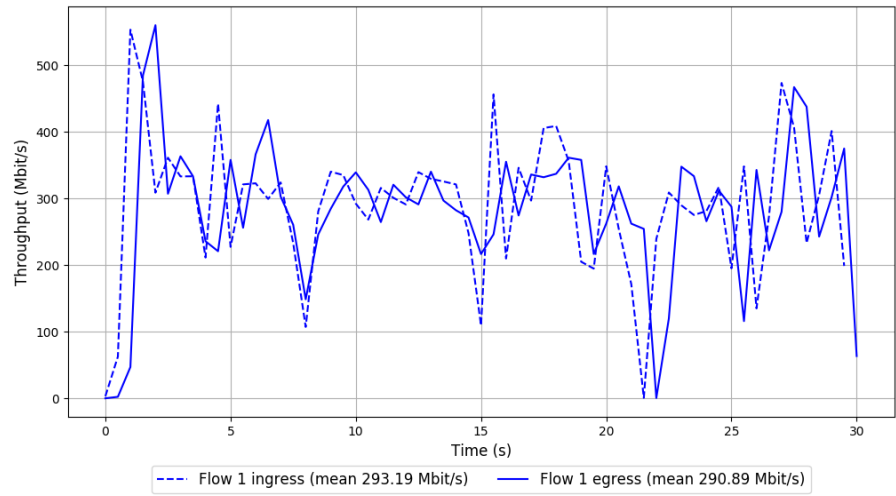
-- Flow 1:

Average throughput: 290.89 Mbit/s

95th percentile per-packet one-way delay: 118.358 ms

Loss rate: 1.00%

Run 2: Report of Muses_DecisionTreeH0 — Data Link



Run 3: Statistics of Muses_DecisionTreeH0

Start at: 2019-08-27 17:15:04

End at: 2019-08-27 17:15:34

Local clock offset: -0.242 ms

Remote clock offset: 0.018 ms

Below is generated by plot.py at 2019-08-27 19:43:47

Datalink statistics

-- Total of 1 flow:

Average throughput: 328.45 Mbit/s

95th percentile per-packet one-way delay: 113.803 ms

Loss rate: 0.80%

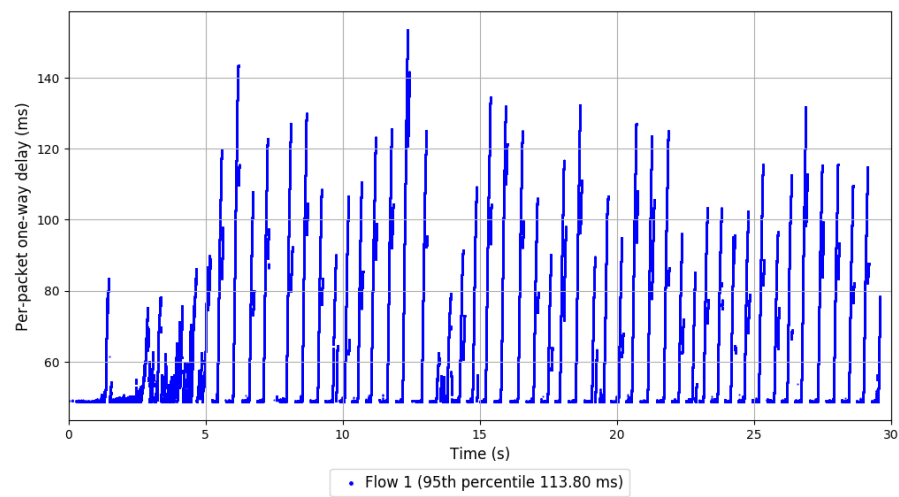
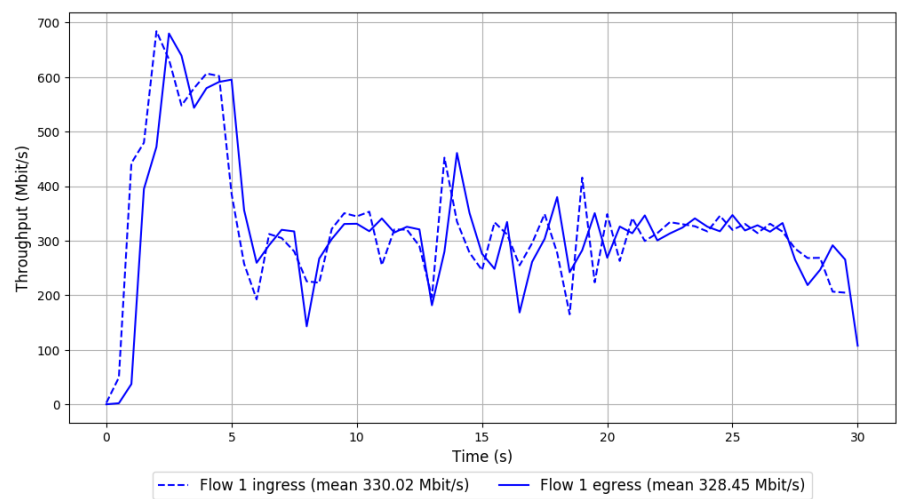
-- Flow 1:

Average throughput: 328.45 Mbit/s

95th percentile per-packet one-way delay: 113.803 ms

Loss rate: 0.80%

Run 3: Report of Muses_DecisionTreeH0 — Data Link

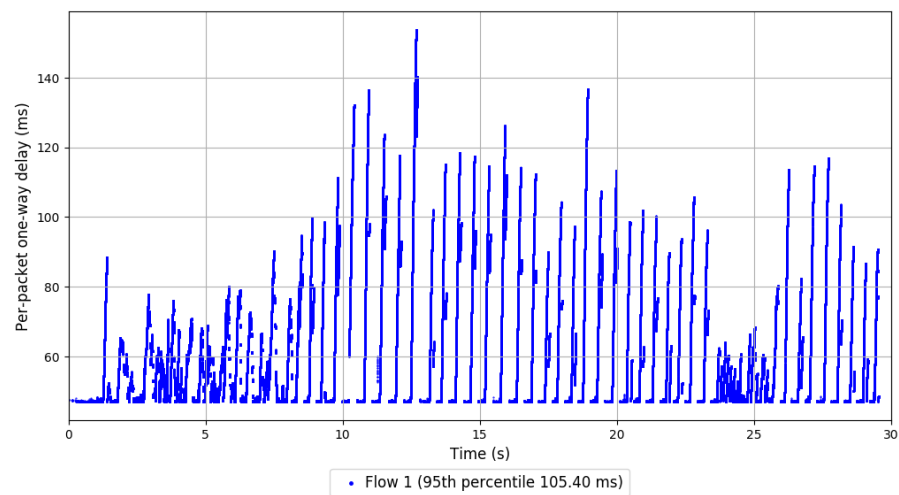
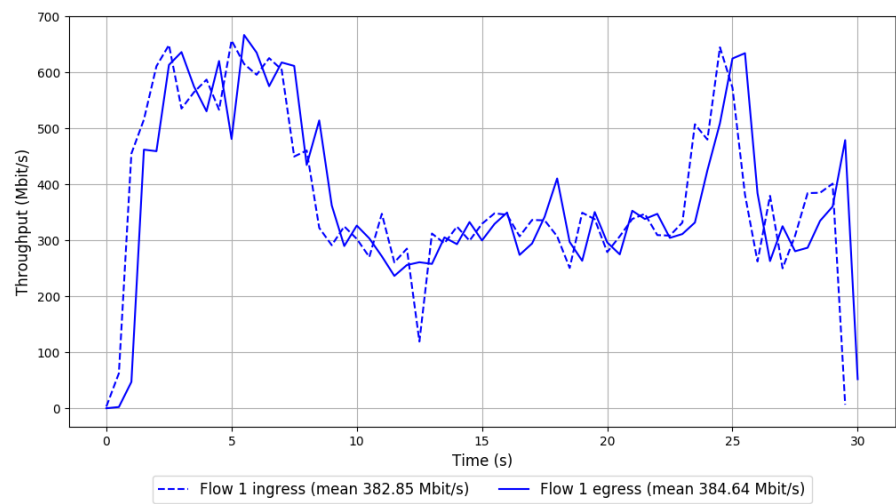


Run 4: Statistics of Muses_DecisionTreeH0

Start at: 2019-08-27 17:48:55
End at: 2019-08-27 17:49:25
Local clock offset: -0.376 ms
Remote clock offset: -0.106 ms

Below is generated by plot.py at 2019-08-27 19:46:08
Datalink statistics
-- Total of 1 flow:
Average throughput: 384.64 Mbit/s
95th percentile per-packet one-way delay: 105.400 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 384.64 Mbit/s
95th percentile per-packet one-way delay: 105.400 ms
Loss rate: 0.03%

Run 4: Report of Muses_DecisionTreeH0 — Data Link



Run 5: Statistics of Muses_DecisionTreeH0

Start at: 2019-08-27 18:23:24

End at: 2019-08-27 18:23:54

Local clock offset: -0.43 ms

Remote clock offset: -0.09 ms

Below is generated by plot.py at 2019-08-27 19:46:08

Datalink statistics

-- Total of 1 flow:

Average throughput: 312.64 Mbit/s

95th percentile per-packet one-way delay: 110.243 ms

Loss rate: 0.83%

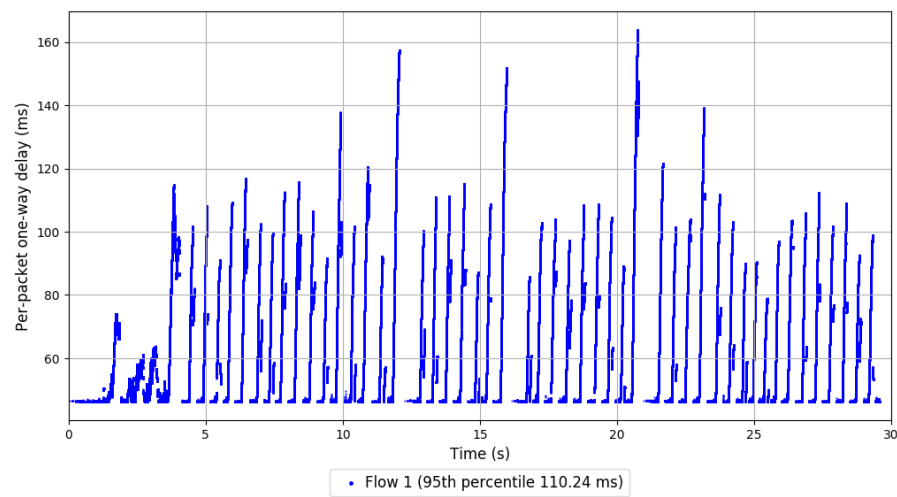
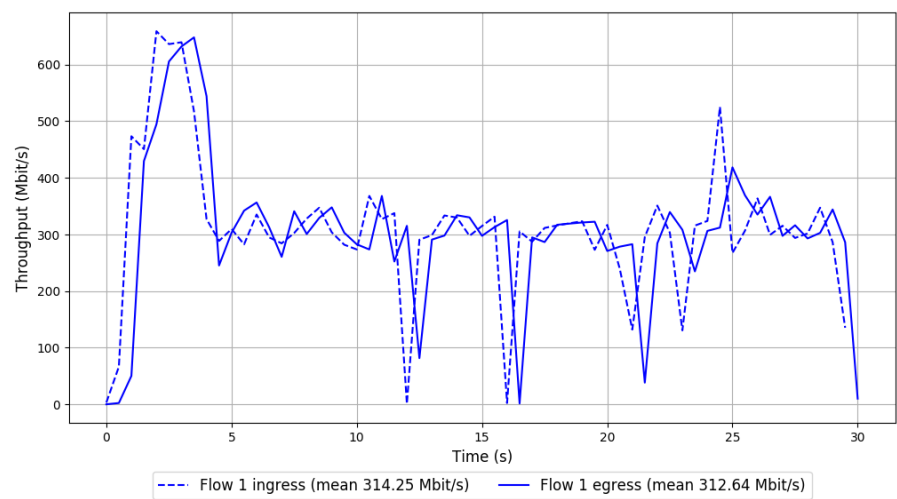
-- Flow 1:

Average throughput: 312.64 Mbit/s

95th percentile per-packet one-way delay: 110.243 ms

Loss rate: 0.83%

Run 5: Report of Muses_DecisionTreeH0 — Data Link

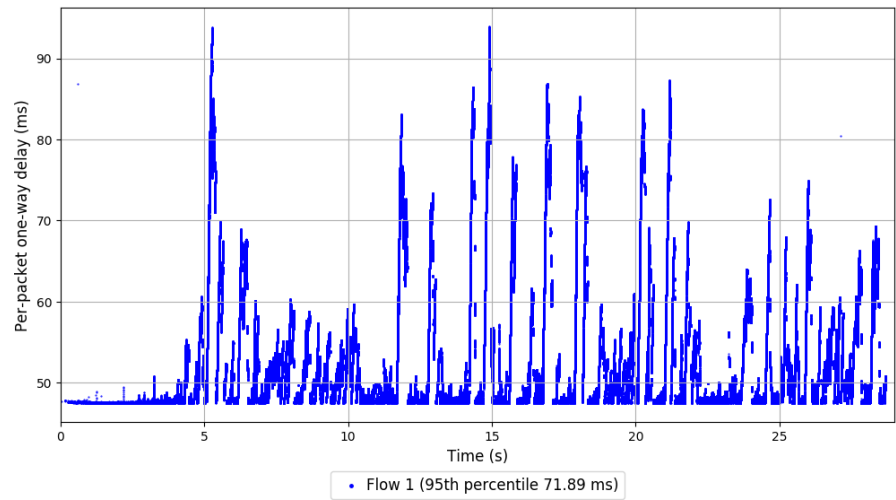
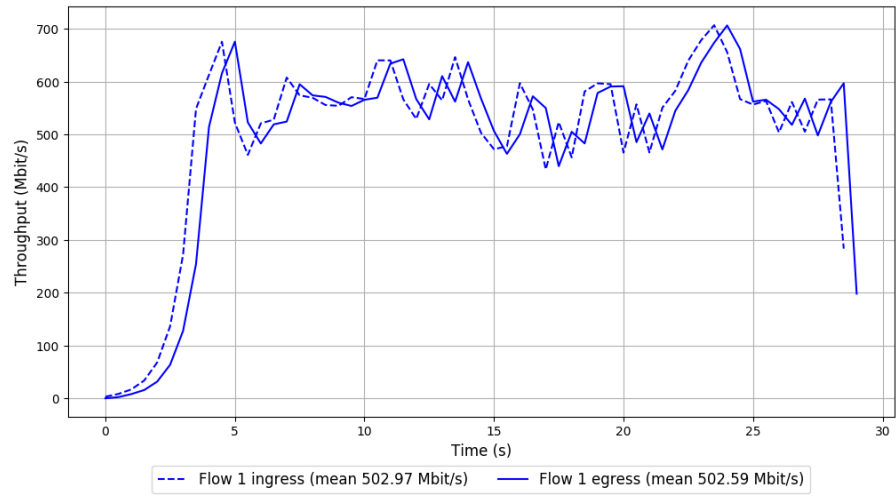


```
Run 1: Statistics of Muses\_DecisionTreeR0

Start at: 2019-08-27 15:50:01
End at: 2019-08-27 15:50:31
Local clock offset: 0.187 ms
Remote clock offset: -0.027 ms

# Below is generated by plot.py at 2019-08-27 19:48:16
# Datalink statistics
-- Total of 1 flow:
Average throughput: 502.59 Mbit/s
95th percentile per-packet one-way delay: 71.885 ms
Loss rate: 0.41%
-- Flow 1:
Average throughput: 502.59 Mbit/s
95th percentile per-packet one-way delay: 71.885 ms
Loss rate: 0.41%
```

Run 1: Report of Muses_DecisionTreeR0 — Data Link



Run 2: Statistics of Muses_DecisionTreeR0

Start at: 2019-08-27 16:24:06

End at: 2019-08-27 16:24:36

Local clock offset: -0.209 ms

Remote clock offset: -0.0 ms

Below is generated by plot.py at 2019-08-27 19:49:36

Datalink statistics

-- Total of 1 flow:

Average throughput: 533.78 Mbit/s

95th percentile per-packet one-way delay: 68.937 ms

Loss rate: 0.33%

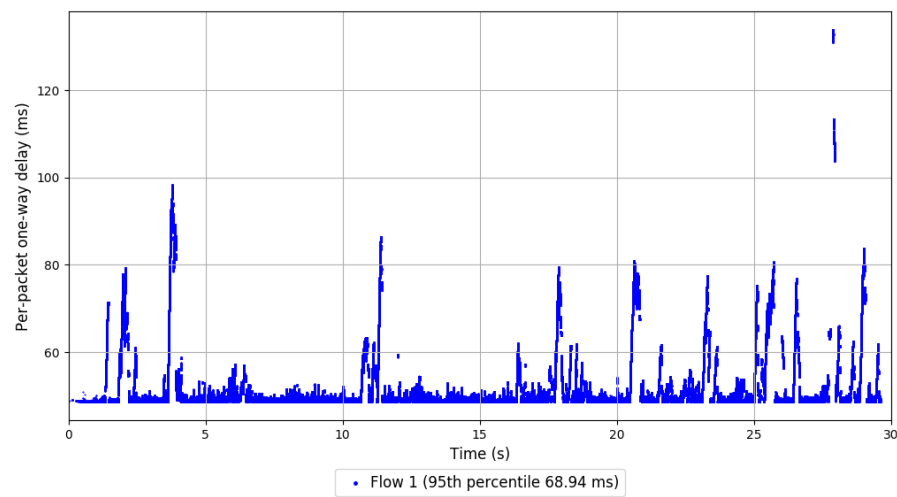
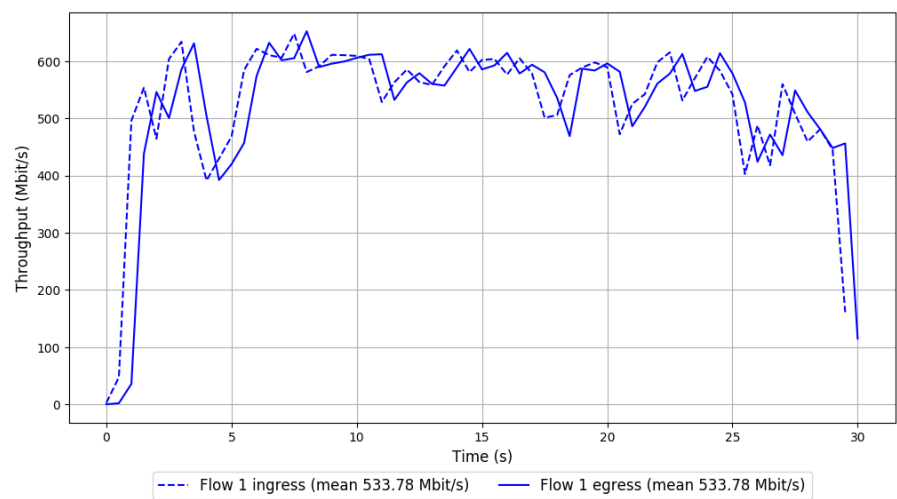
-- Flow 1:

Average throughput: 533.78 Mbit/s

95th percentile per-packet one-way delay: 68.937 ms

Loss rate: 0.33%

Run 2: Report of Muses_DecisionTreeR0 — Data Link



Run 3: Statistics of Muses_DecisionTreeR0

Start at: 2019-08-27 16:58:19

End at: 2019-08-27 16:58:49

Local clock offset: -0.196 ms

Remote clock offset: 0.017 ms

Below is generated by plot.py at 2019-08-27 19:49:49

Datalink statistics

-- Total of 1 flow:

Average throughput: 540.58 Mbit/s

95th percentile per-packet one-way delay: 73.003 ms

Loss rate: 0.34%

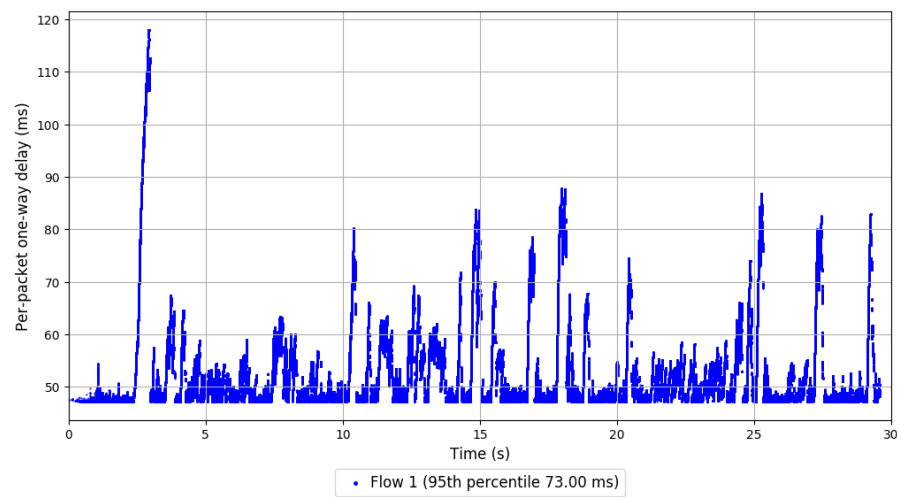
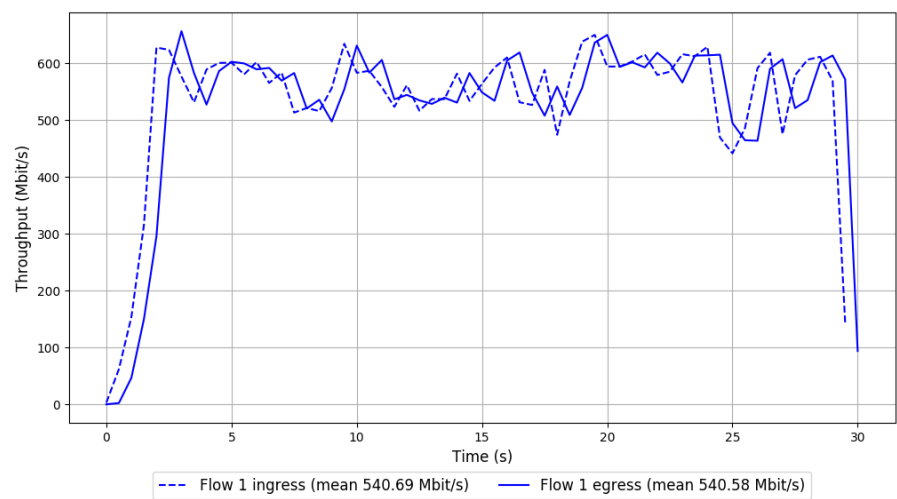
-- Flow 1:

Average throughput: 540.58 Mbit/s

95th percentile per-packet one-way delay: 73.003 ms

Loss rate: 0.34%

Run 3: Report of Muses_DecisionTreeR0 — Data Link

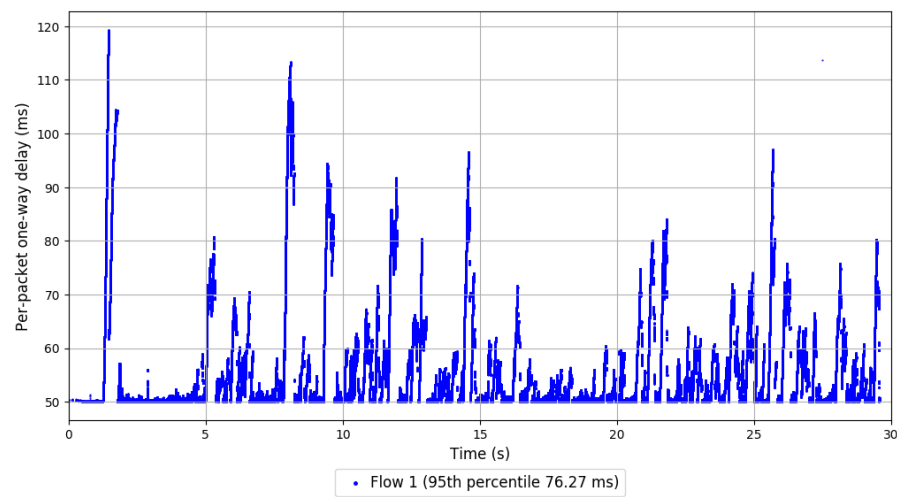
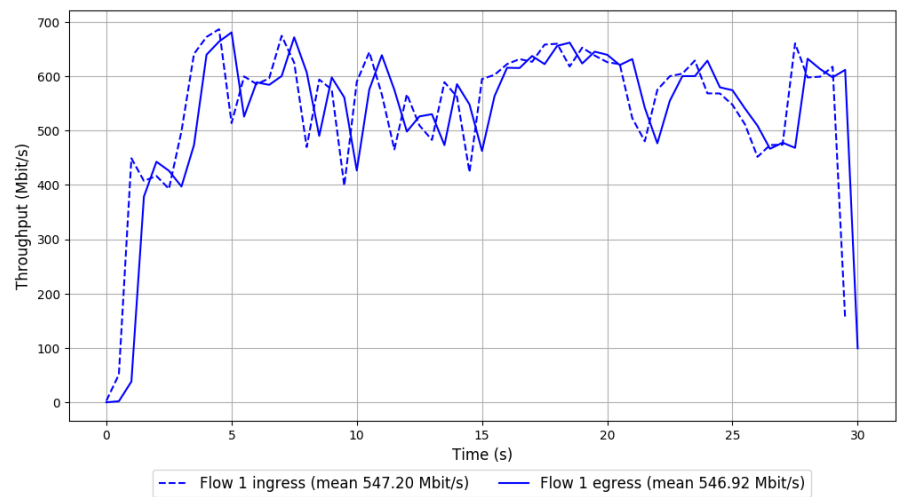


Run 4: Statistics of Muses_DecisionTreeR0

Start at: 2019-08-27 17:32:24
End at: 2019-08-27 17:32:54
Local clock offset: -0.326 ms
Remote clock offset: -0.003 ms

Below is generated by plot.py at 2019-08-27 19:50:44
Datalink statistics
-- Total of 1 flow:
Average throughput: 546.92 Mbit/s
95th percentile per-packet one-way delay: 76.266 ms
Loss rate: 0.38%
-- Flow 1:
Average throughput: 546.92 Mbit/s
95th percentile per-packet one-way delay: 76.266 ms
Loss rate: 0.38%

Run 4: Report of Muses_DecisionTreeR0 — Data Link

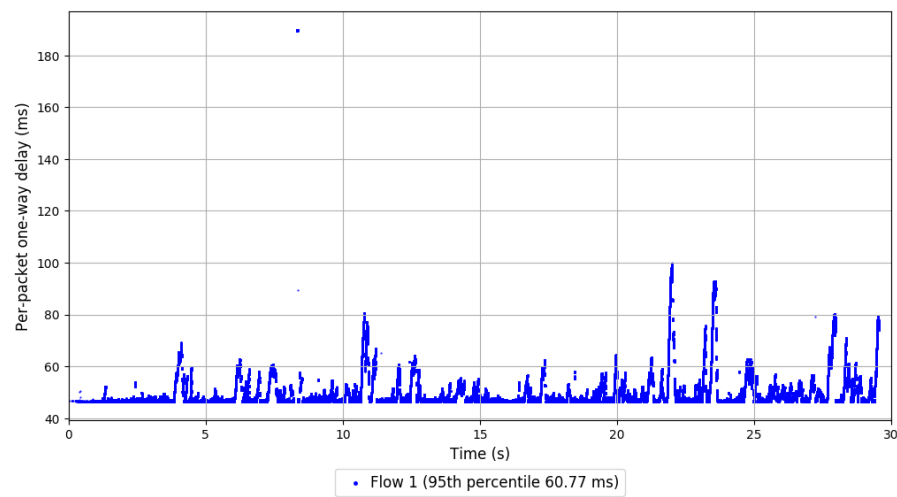
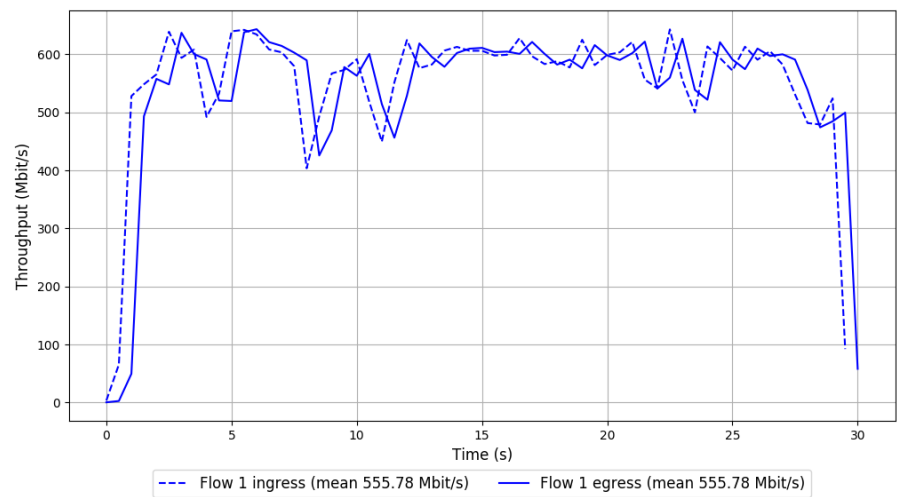


Run 5: Statistics of Muses_DecisionTreeR0

Start at: 2019-08-27 18:06:32
End at: 2019-08-27 18:07:02
Local clock offset: -0.357 ms
Remote clock offset: -0.185 ms

Below is generated by plot.py at 2019-08-27 19:51:01
Datalink statistics
-- Total of 1 flow:
Average throughput: 555.78 Mbit/s
95th percentile per-packet one-way delay: 60.773 ms
Loss rate: 0.32%
-- Flow 1:
Average throughput: 555.78 Mbit/s
95th percentile per-packet one-way delay: 60.773 ms
Loss rate: 0.32%

Run 5: Report of Muses_DecisionTreeR0 — Data Link



Run 1: Statistics of PCC-Allegro

Start at: 2019-08-27 15:37:06

End at: 2019-08-27 15:37:36

Local clock offset: -0.226 ms

Remote clock offset: -0.033 ms

Below is generated by plot.py at 2019-08-27 19:55:02

Datalink statistics

-- Total of 1 flow:

Average throughput: 403.72 Mbit/s

95th percentile per-packet one-way delay: 116.955 ms

Loss rate: 0.62%

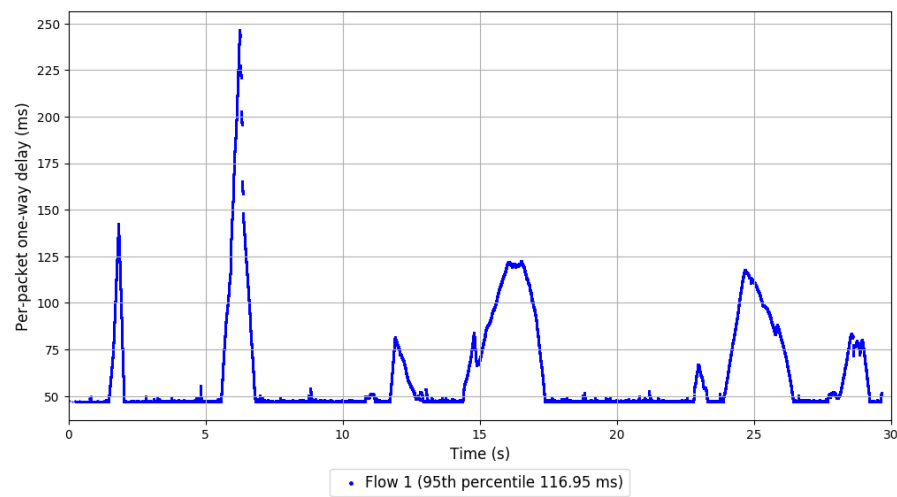
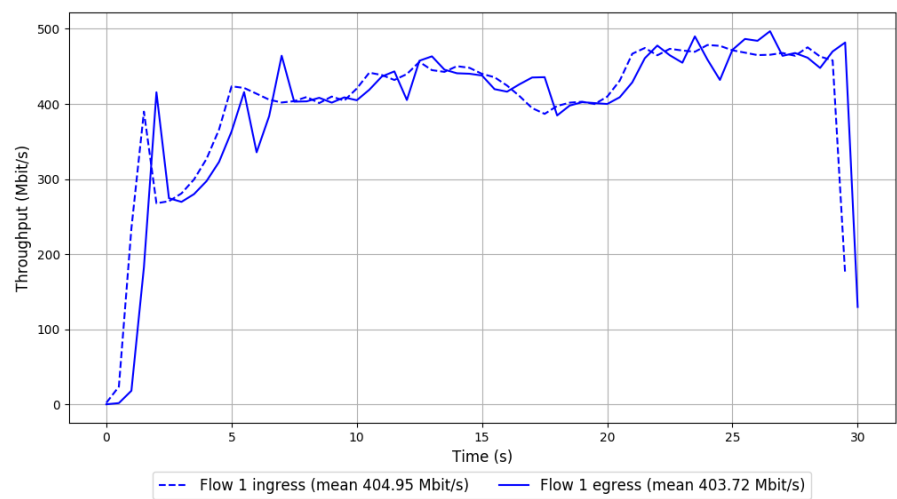
-- Flow 1:

Average throughput: 403.72 Mbit/s

95th percentile per-packet one-way delay: 116.955 ms

Loss rate: 0.62%

Run 1: Report of PCC-Allegro — Data Link



Run 2: Statistics of PCC-Allegro

Start at: 2019-08-27 16:11:15

End at: 2019-08-27 16:11:45

Local clock offset: -0.208 ms

Remote clock offset: 0.004 ms

Below is generated by plot.py at 2019-08-27 19:55:10

Datalink statistics

-- Total of 1 flow:

Average throughput: 354.94 Mbit/s

95th percentile per-packet one-way delay: 139.700 ms

Loss rate: 0.60%

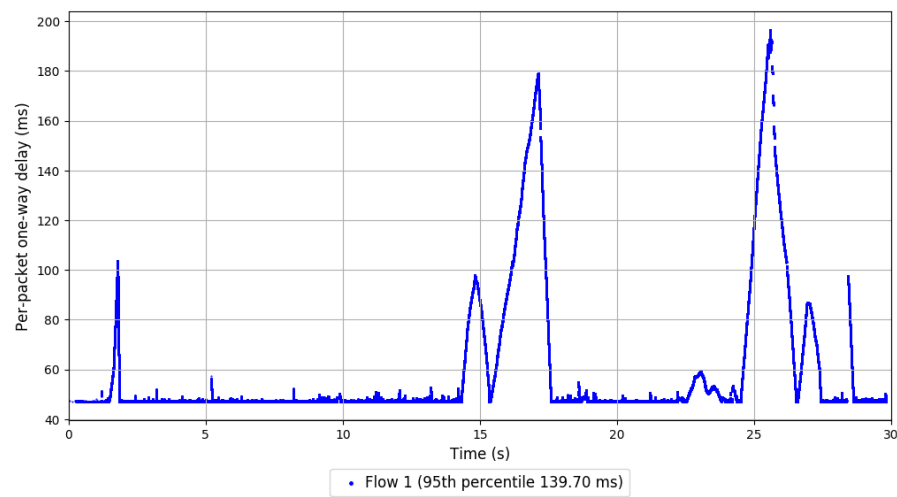
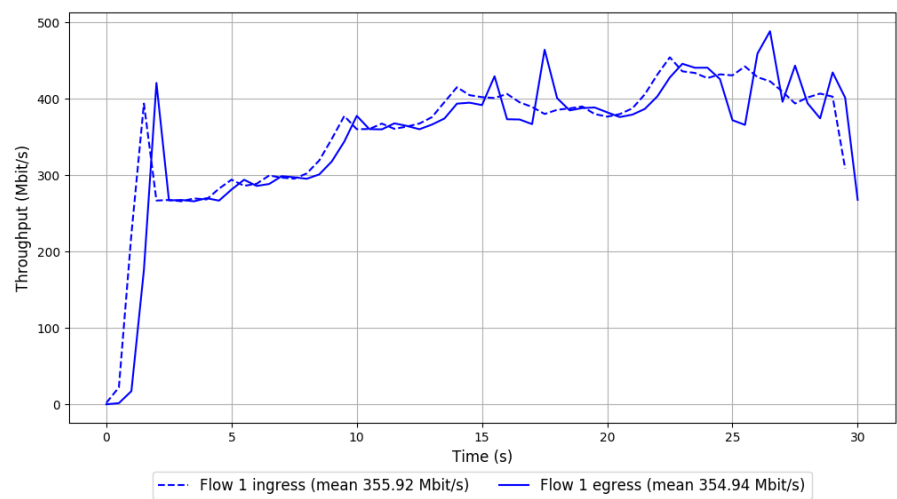
-- Flow 1:

Average throughput: 354.94 Mbit/s

95th percentile per-packet one-way delay: 139.700 ms

Loss rate: 0.60%

Run 2: Report of PCC-Allegro — Data Link

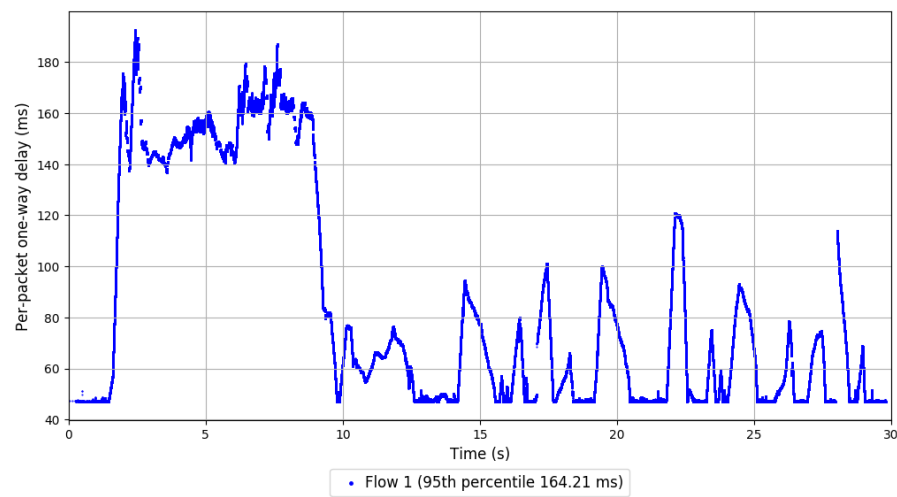
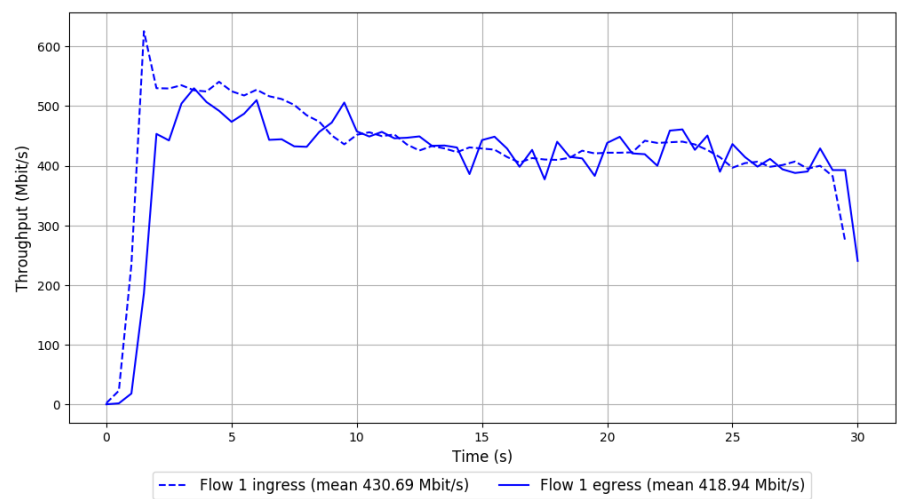


Run 3: Statistics of PCC-Allegro

Start at: 2019-08-27 16:45:29
End at: 2019-08-27 16:45:59
Local clock offset: -0.218 ms
Remote clock offset: -0.015 ms

Below is generated by plot.py at 2019-08-27 19:58:15
Datalink statistics
-- Total of 1 flow:
Average throughput: 418.94 Mbit/s
95th percentile per-packet one-way delay: 164.209 ms
Loss rate: 3.04%
-- Flow 1:
Average throughput: 418.94 Mbit/s
95th percentile per-packet one-way delay: 164.209 ms
Loss rate: 3.04%

Run 3: Report of PCC-Allegro — Data Link



Run 4: Statistics of PCC-Allegro

Start at: 2019-08-27 17:19:36

End at: 2019-08-27 17:20:06

Local clock offset: -0.286 ms

Remote clock offset: 0.041 ms

Below is generated by plot.py at 2019-08-27 19:59:19

Datalink statistics

-- Total of 1 flow:

Average throughput: 371.42 Mbit/s

95th percentile per-packet one-way delay: 162.366 ms

Loss rate: 0.89%

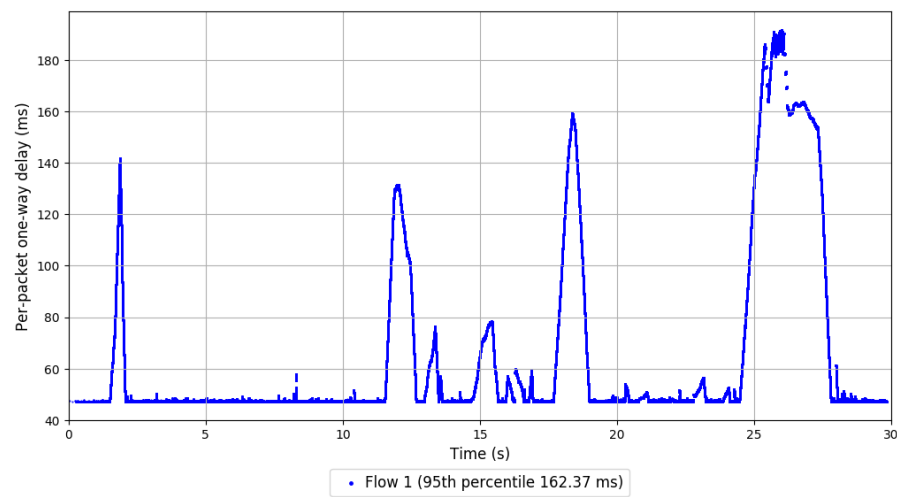
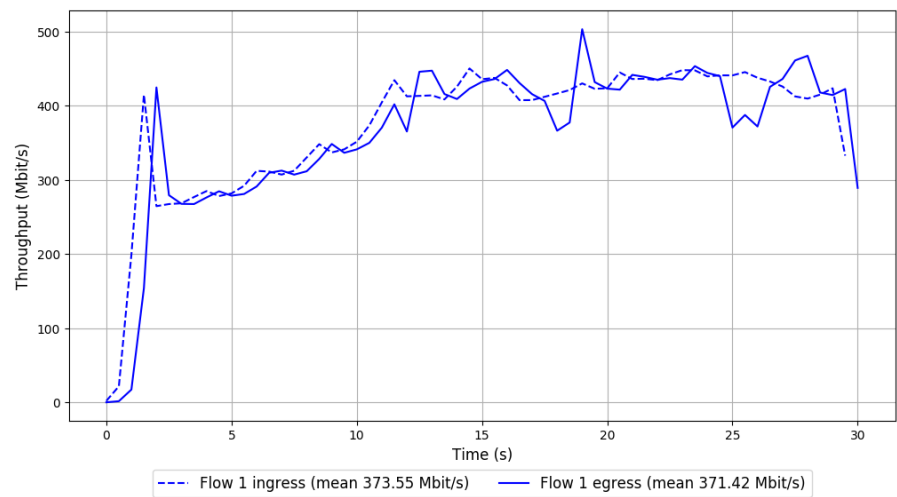
-- Flow 1:

Average throughput: 371.42 Mbit/s

95th percentile per-packet one-way delay: 162.366 ms

Loss rate: 0.89%

Run 4: Report of PCC-Allegro — Data Link



Run 5: Statistics of PCC-Allegro

Start at: 2019-08-27 17:53:30

End at: 2019-08-27 17:54:00

Local clock offset: -0.36 ms

Remote clock offset: -0.133 ms

Below is generated by plot.py at 2019-08-27 20:02:24

Datalink statistics

-- Total of 1 flow:

Average throughput: 424.16 Mbit/s

95th percentile per-packet one-way delay: 171.963 ms

Loss rate: 7.81%

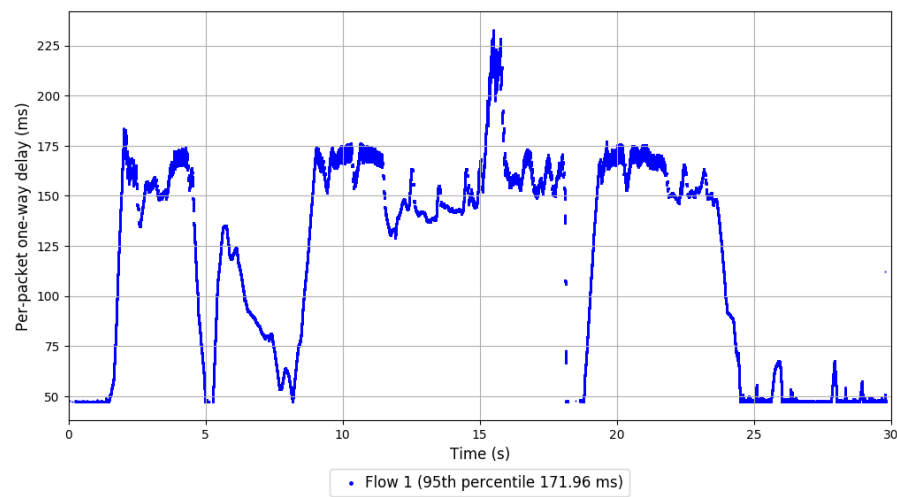
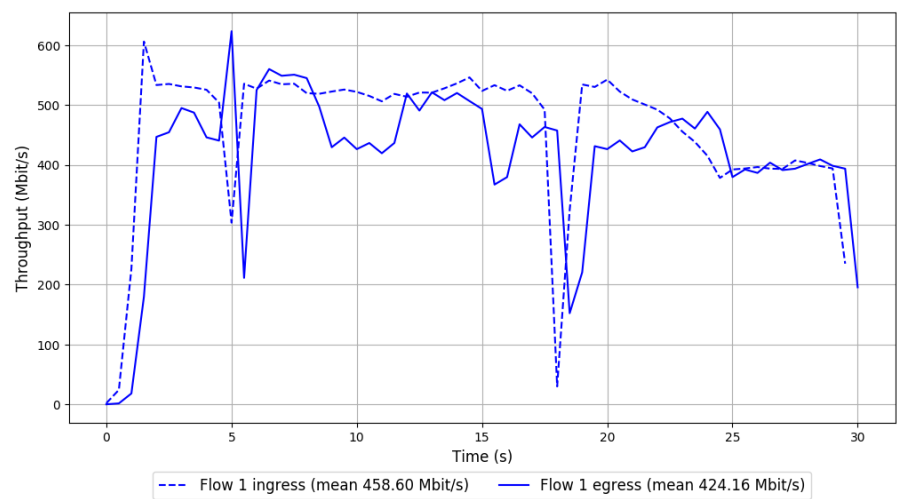
-- Flow 1:

Average throughput: 424.16 Mbit/s

95th percentile per-packet one-way delay: 171.963 ms

Loss rate: 7.81%

Run 5: Report of PCC-Allegro — Data Link

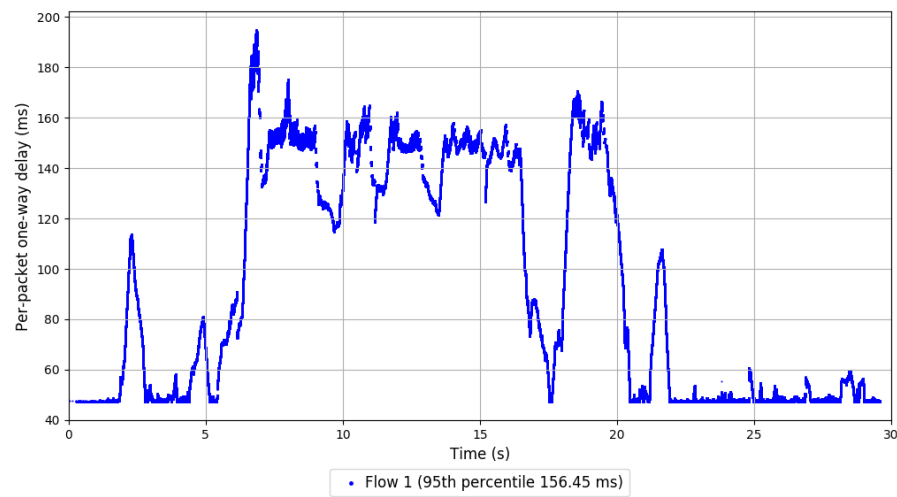
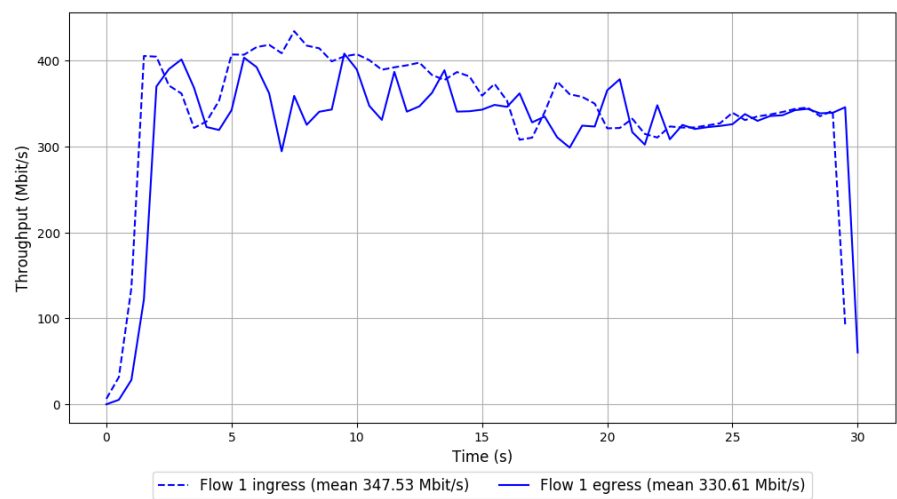


Run 1: Statistics of PCC-Expr

Start at: 2019-08-27 15:46:56
End at: 2019-08-27 15:47:26
Local clock offset: -0.202 ms
Remote clock offset: -0.051 ms

Below is generated by plot.py at 2019-08-27 20:02:24
Datalink statistics
-- Total of 1 flow:
Average throughput: 330.61 Mbit/s
95th percentile per-packet one-way delay: 156.446 ms
Loss rate: 5.18%
-- Flow 1:
Average throughput: 330.61 Mbit/s
95th percentile per-packet one-way delay: 156.446 ms
Loss rate: 5.18%

Run 1: Report of PCC-Expr — Data Link



Run 2: Statistics of PCC-Expr

Start at: 2019-08-27 16:21:03

End at: 2019-08-27 16:21:33

Local clock offset: -0.188 ms

Remote clock offset: 0.02 ms

Below is generated by plot.py at 2019-08-27 20:02:24

Datalink statistics

-- Total of 1 flow:

Average throughput: 267.77 Mbit/s

95th percentile per-packet one-way delay: 152.329 ms

Loss rate: 1.05%

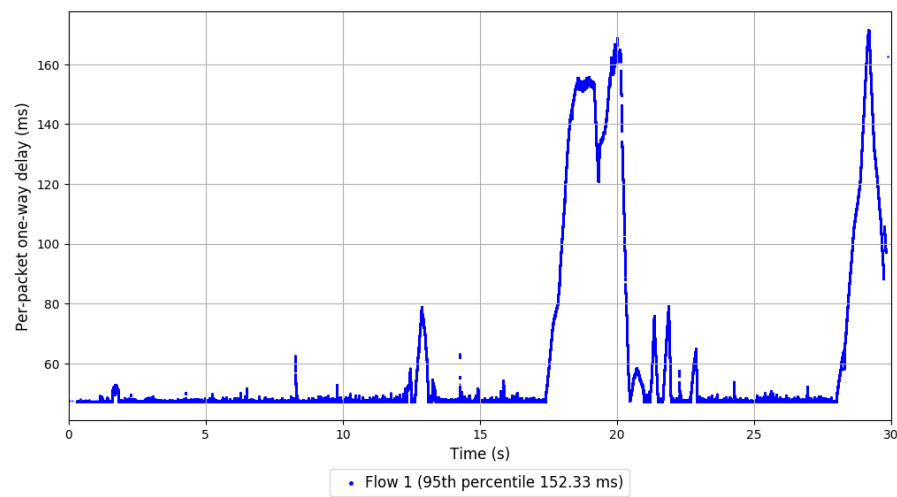
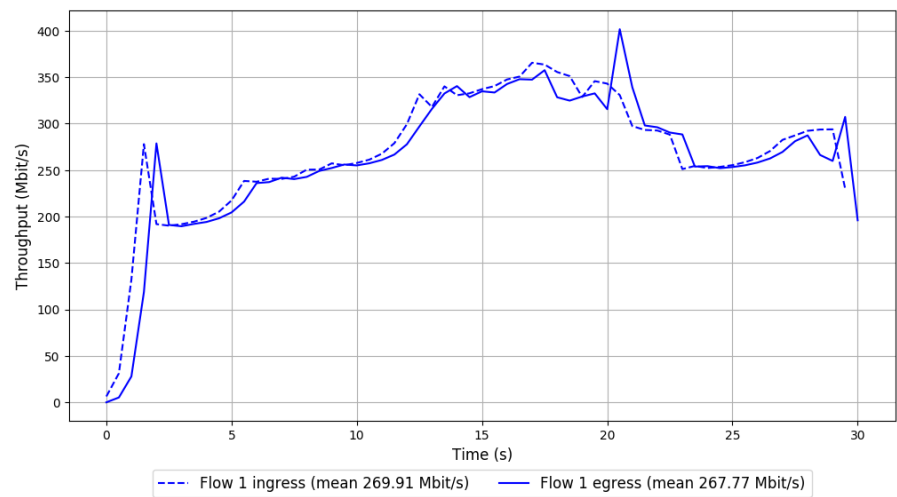
-- Flow 1:

Average throughput: 267.77 Mbit/s

95th percentile per-packet one-way delay: 152.329 ms

Loss rate: 1.05%

Run 2: Report of PCC-Expr — Data Link



Run 3: Statistics of PCC-Expr

Start at: 2019-08-27 16:55:16

End at: 2019-08-27 16:55:46

Local clock offset: -0.201 ms

Remote clock offset: 0.044 ms

Below is generated by plot.py at 2019-08-27 20:02:24

Datalink statistics

-- Total of 1 flow:

Average throughput: 255.06 Mbit/s

95th percentile per-packet one-way delay: 104.107 ms

Loss rate: 0.53%

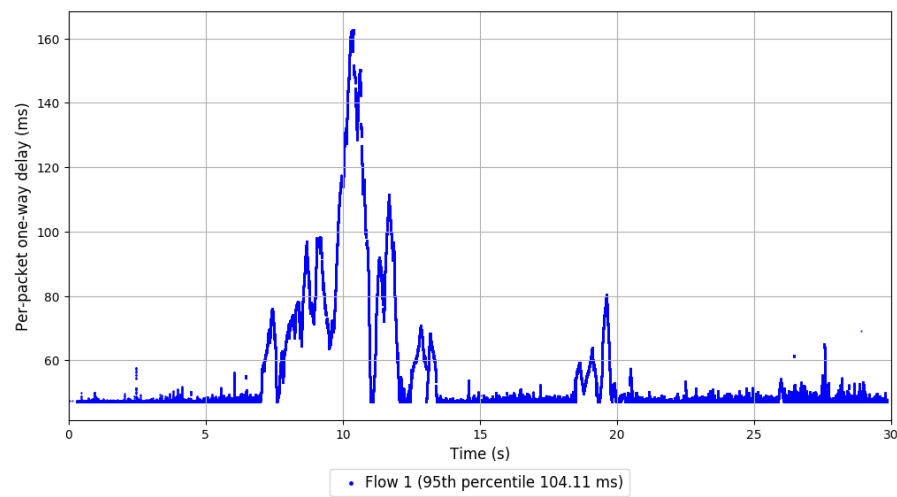
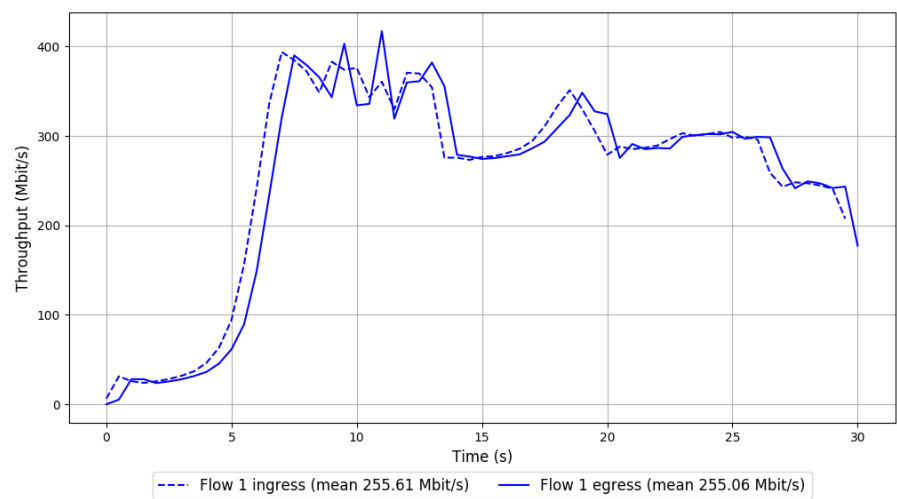
-- Flow 1:

Average throughput: 255.06 Mbit/s

95th percentile per-packet one-way delay: 104.107 ms

Loss rate: 0.53%

Run 3: Report of PCC-Expr — Data Link



Run 4: Statistics of PCC-Expr

Start at: 2019-08-27 17:29:20

End at: 2019-08-27 17:29:50

Local clock offset: -0.7 ms

Remote clock offset: 0.031 ms

Below is generated by plot.py at 2019-08-27 20:03:50

Datalink statistics

-- Total of 1 flow:

Average throughput: 306.75 Mbit/s

95th percentile per-packet one-way delay: 177.627 ms

Loss rate: 4.62%

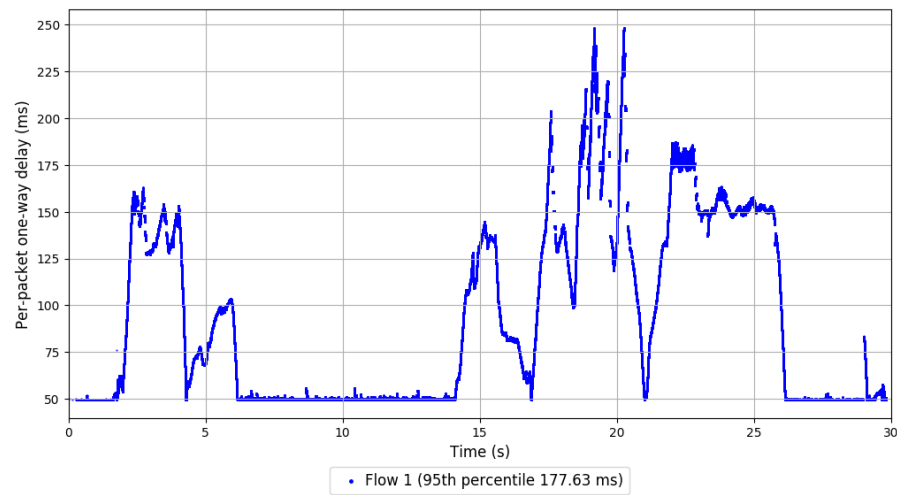
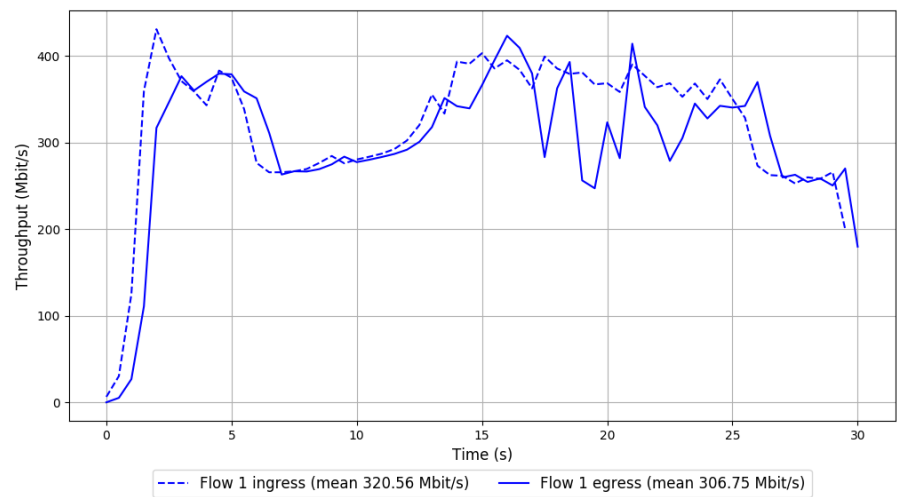
-- Flow 1:

Average throughput: 306.75 Mbit/s

95th percentile per-packet one-way delay: 177.627 ms

Loss rate: 4.62%

Run 4: Report of PCC-Expr — Data Link

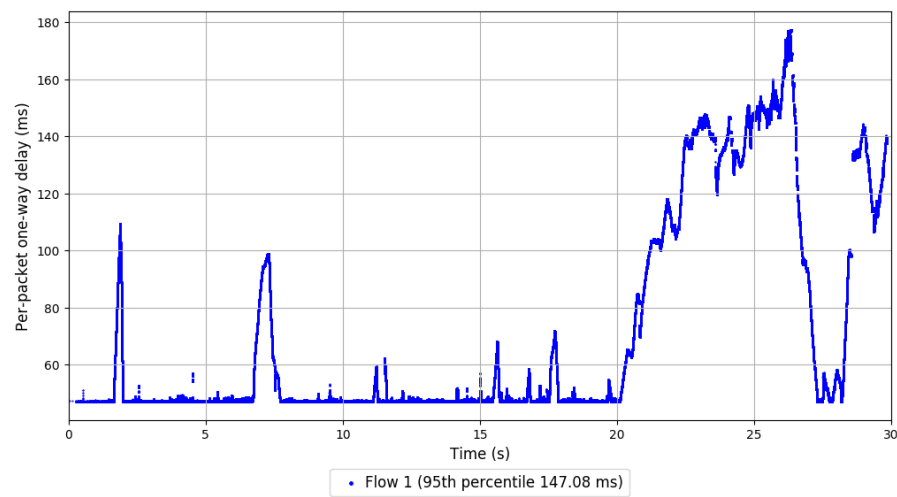
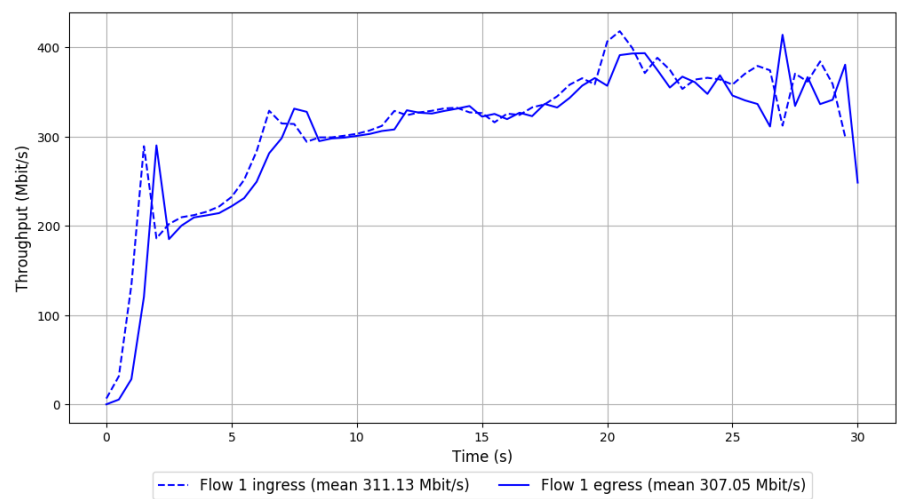


Run 5: Statistics of PCC-Expr

Start at: 2019-08-27 18:03:27
End at: 2019-08-27 18:03:57
Local clock offset: -0.392 ms
Remote clock offset: -0.152 ms

Below is generated by plot.py at 2019-08-27 20:03:56
Datalink statistics
-- Total of 1 flow:
Average throughput: 307.05 Mbit/s
95th percentile per-packet one-way delay: 147.081 ms
Loss rate: 1.63%
-- Flow 1:
Average throughput: 307.05 Mbit/s
95th percentile per-packet one-way delay: 147.081 ms
Loss rate: 1.63%

Run 5: Report of PCC-Expr — Data Link



Run 1: Statistics of QUIC Cubic

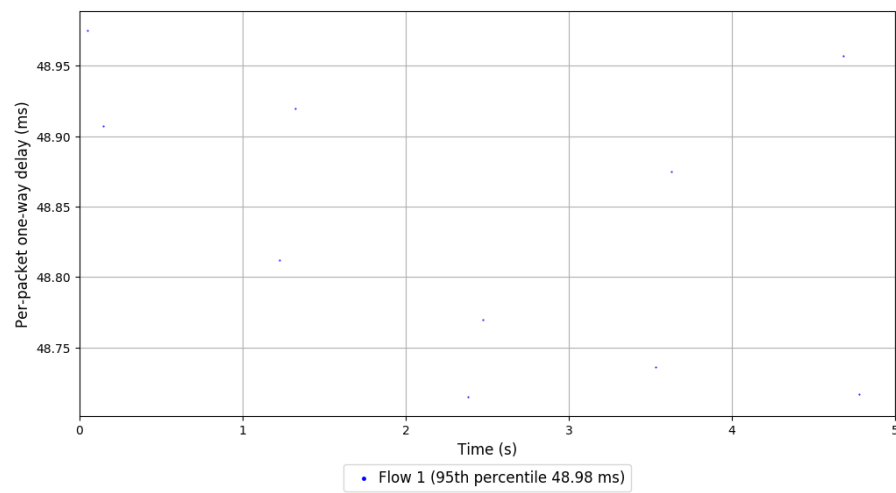
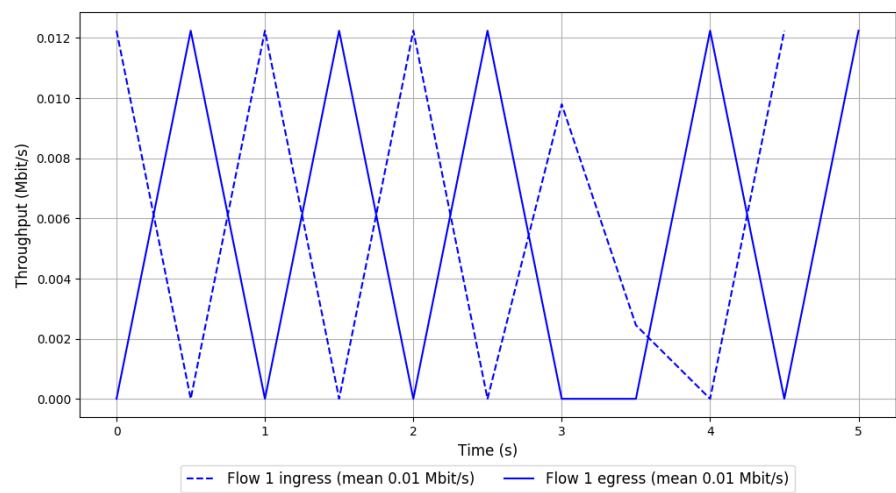
Start at: 2019-08-27 15:41:39

End at: 2019-08-27 15:42:09

Local clock offset: -0.242 ms

Remote clock offset: -0.024 ms

Run 1: Report of QUIC Cubic — Data Link



Run 2: Statistics of QUIC Cubic

Start at: 2019-08-27 16:15:48

End at: 2019-08-27 16:16:18

Local clock offset: -0.25 ms

Remote clock offset: 0.023 ms

Below is generated by plot.py at 2019-08-27 20:03:56

Datalink statistics

-- Total of 1 flow:

Average throughput: 81.07 Mbit/s

95th percentile per-packet one-way delay: 48.649 ms

Loss rate: 0.39%

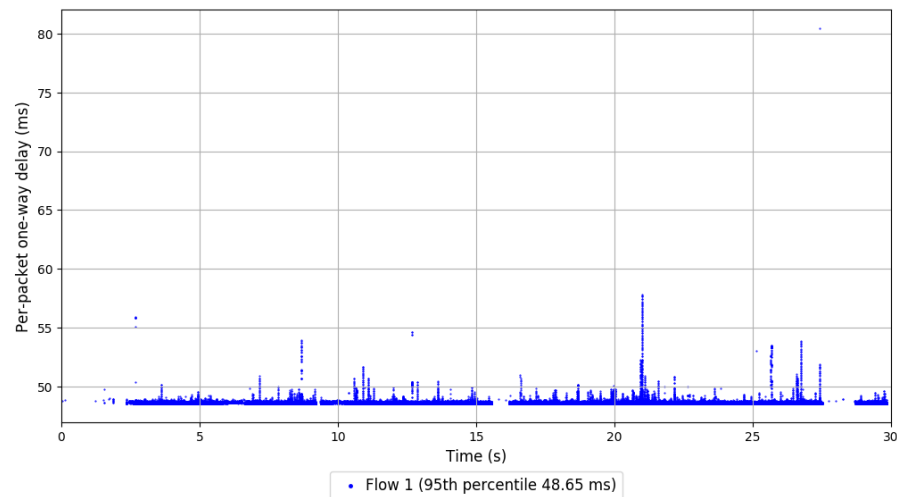
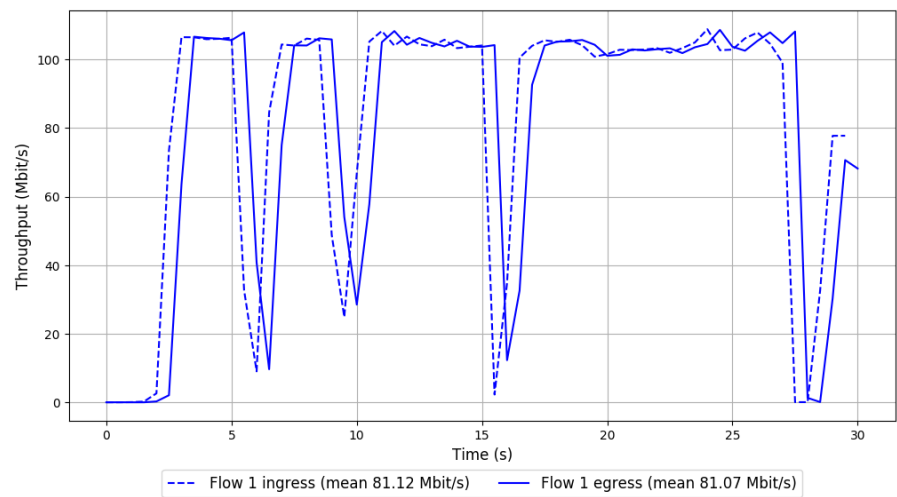
-- Flow 1:

Average throughput: 81.07 Mbit/s

95th percentile per-packet one-way delay: 48.649 ms

Loss rate: 0.39%

Run 2: Report of QUIC Cubic — Data Link



Run 3: Statistics of QUIC Cubic

Start at: 2019-08-27 16:49:59

End at: 2019-08-27 16:50:29

Local clock offset: -0.204 ms

Remote clock offset: 0.025 ms

Below is generated by plot.py at 2019-08-27 20:03:56

Datalink statistics

-- Total of 1 flow:

Average throughput: 76.30 Mbit/s

95th percentile per-packet one-way delay: 47.316 ms

Loss rate: 0.45%

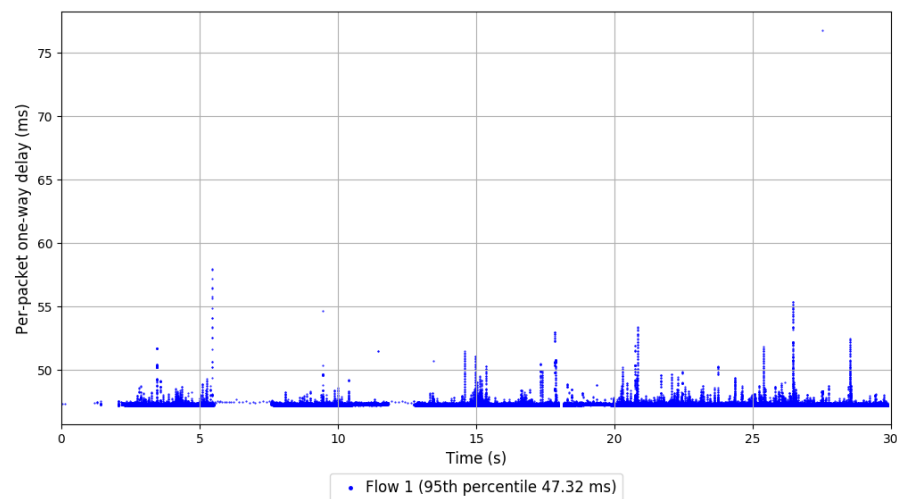
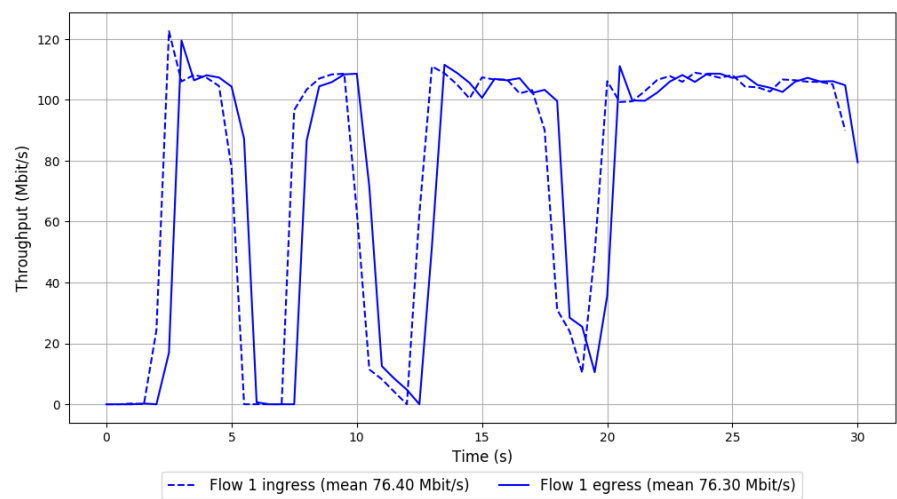
-- Flow 1:

Average throughput: 76.30 Mbit/s

95th percentile per-packet one-way delay: 47.316 ms

Loss rate: 0.45%

Run 3: Report of QUIC Cubic — Data Link



Run 4: Statistics of QUIC Cubic

Start at: 2019-08-27 17:24:08

End at: 2019-08-27 17:24:38

Local clock offset: -0.268 ms

Remote clock offset: 0.015 ms

Below is generated by plot.py at 2019-08-27 20:03:56

Datalink statistics

-- Total of 1 flow:

Average throughput: 87.06 Mbit/s

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

Loss rate: 0.40%

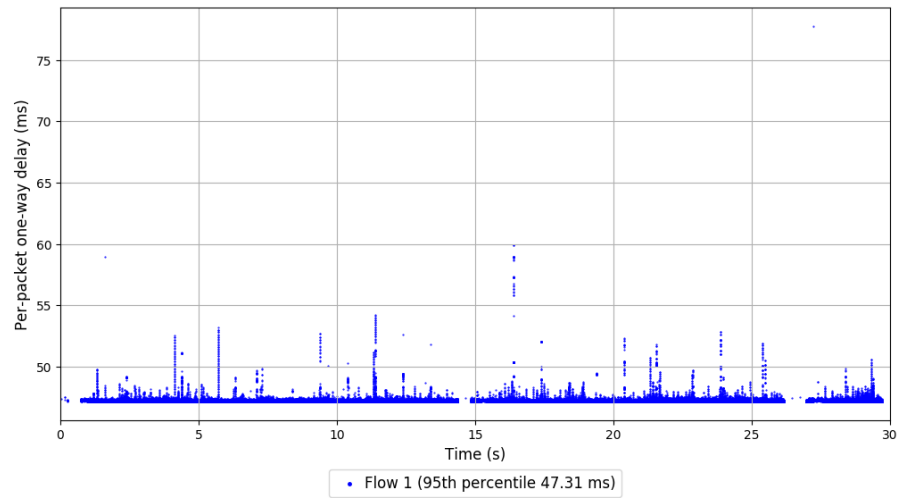
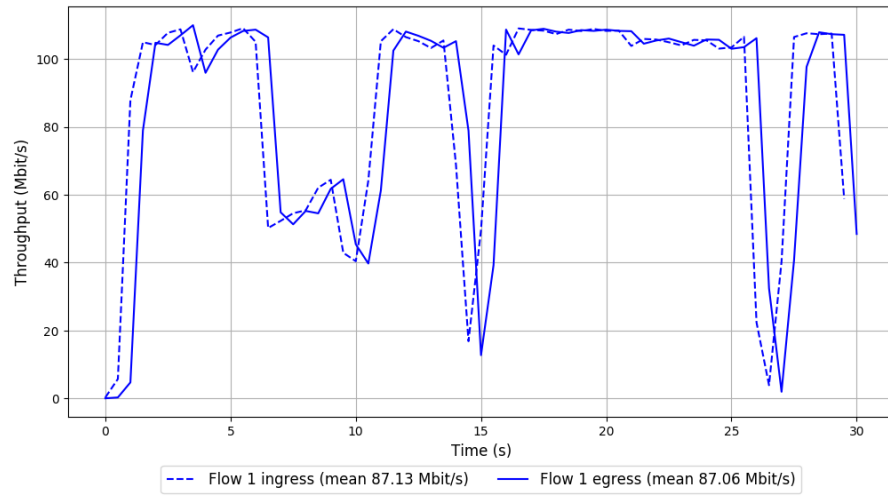
-- Flow 1:

Average throughput: 87.06 Mbit/s

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

Loss rate: 0.40%

Run 4: Report of QUIC Cubic — Data Link



Run 5: Statistics of QUIC Cubic

Start at: 2019-08-27 17:58:07

End at: 2019-08-27 17:58:37

Local clock offset: -0.377 ms

Remote clock offset: -0.125 ms

Below is generated by plot.py at 2019-08-27 20:03:56

Datalink statistics

-- Total of 1 flow:

Average throughput: 75.75 Mbit/s

95th percentile per-packet one-way delay: 47.290 ms

Loss rate: 0.45%

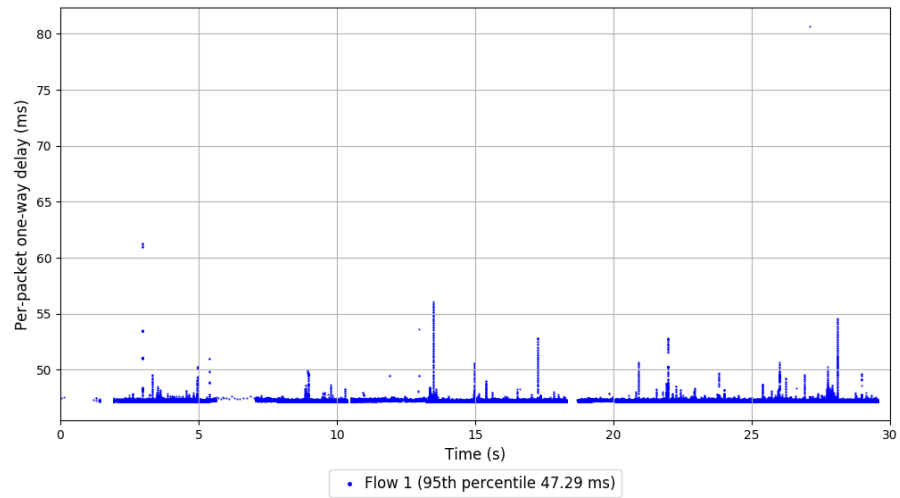
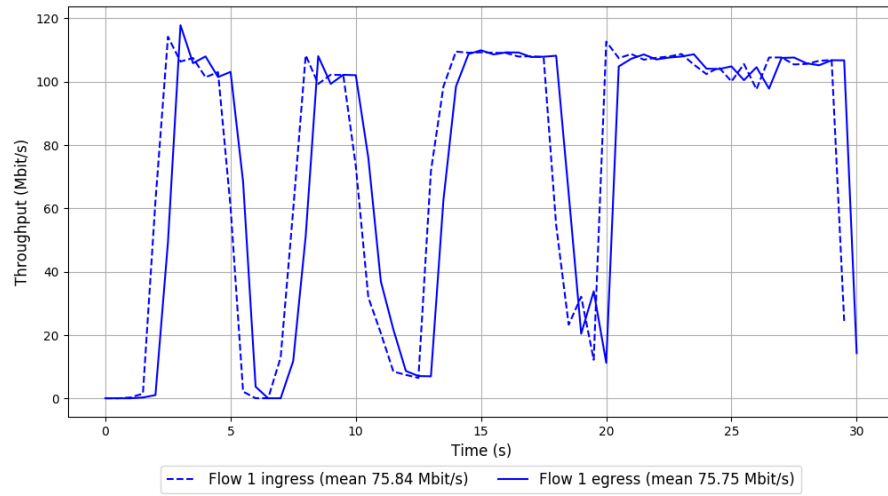
-- Flow 1:

Average throughput: 75.75 Mbit/s

95th percentile per-packet one-way delay: 47.290 ms

Loss rate: 0.45%

Run 5: Report of QUIC Cubic — Data Link

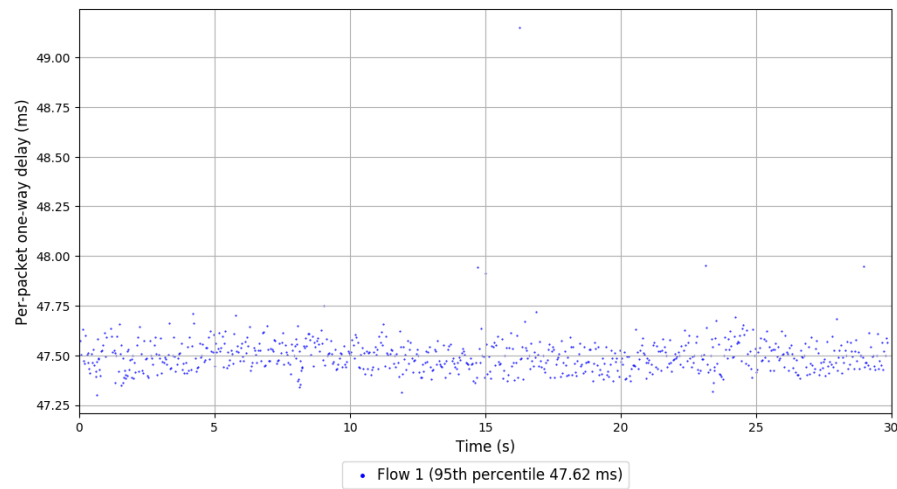
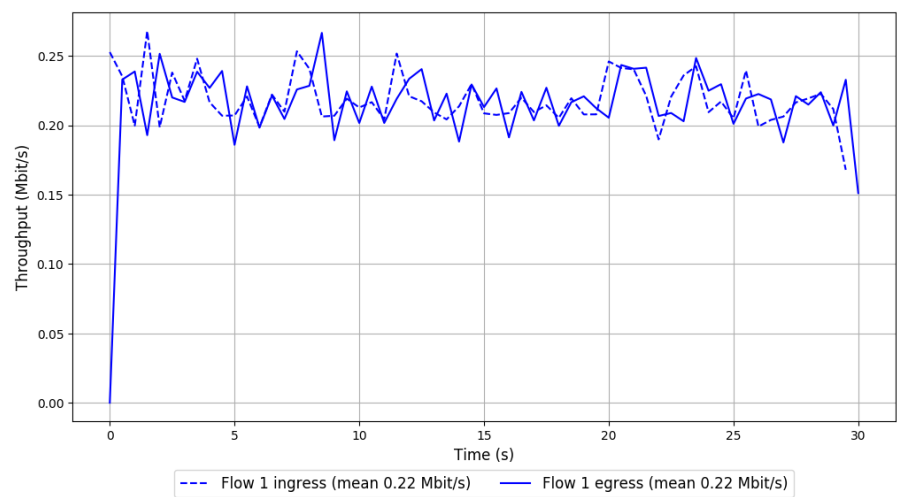


Run 1: Statistics of SCReAM

Start at: 2019-08-27 15:59:49
End at: 2019-08-27 16:00:19
Local clock offset: -0.159 ms
Remote clock offset: -0.005 ms

Below is generated by plot.py at 2019-08-27 20:03:56
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 47.617 ms
Loss rate: 0.25%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 47.617 ms
Loss rate: 0.25%

Run 1: Report of SReAM — Data Link



Run 2: Statistics of SCReAM

Start at: 2019-08-27 16:34:03

End at: 2019-08-27 16:34:33

Local clock offset: -0.207 ms

Remote clock offset: 0.023 ms

Below is generated by plot.py at 2019-08-27 20:03:56

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 49.005 ms

Loss rate: 0.39%

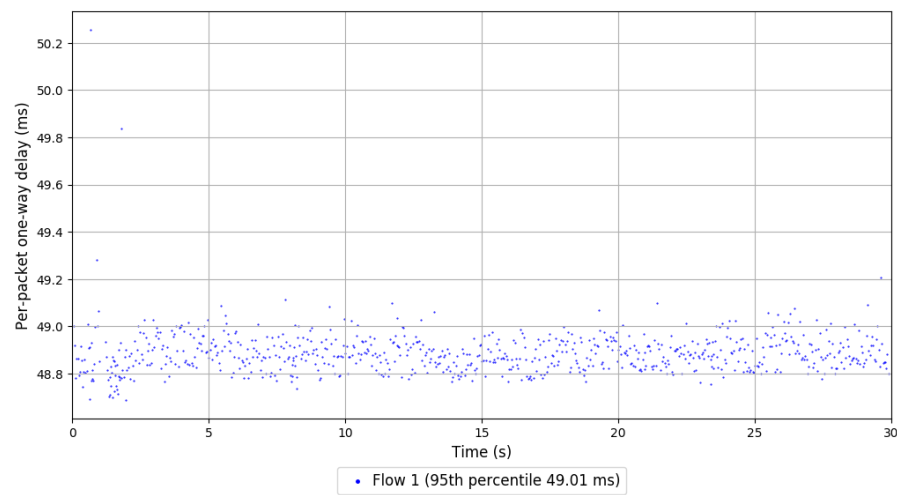
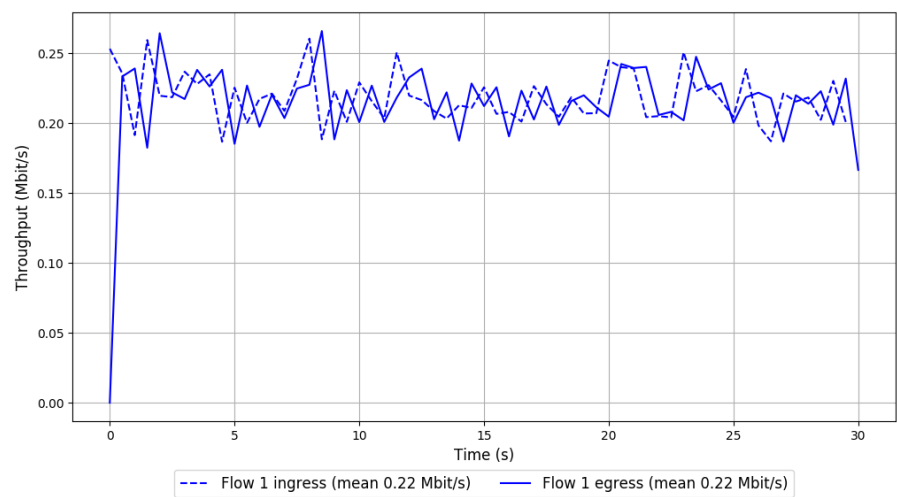
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 49.005 ms

Loss rate: 0.39%

Run 2: Report of SReAM — Data Link



Run 3: Statistics of SCReAM

Start at: 2019-08-27 17:08:05

End at: 2019-08-27 17:08:35

Local clock offset: -0.259 ms

Remote clock offset: 0.015 ms

Below is generated by plot.py at 2019-08-27 20:03:56

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 46.769 ms

Loss rate: 0.38%

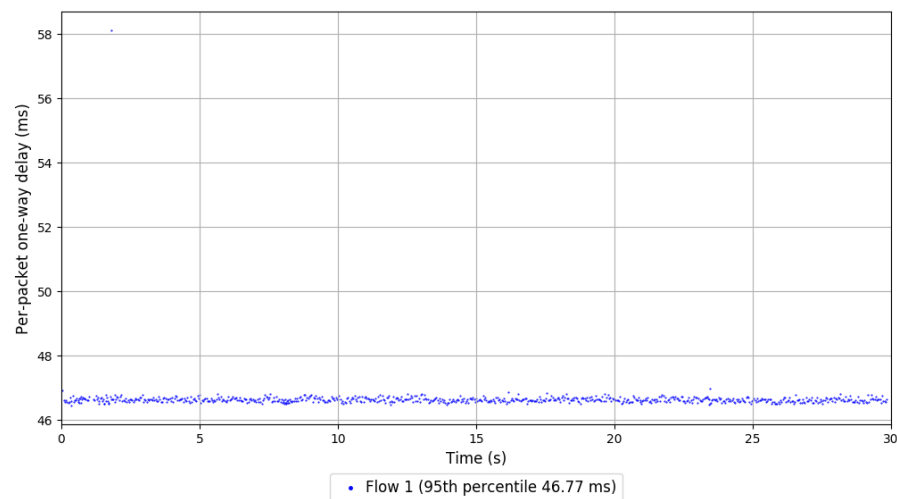
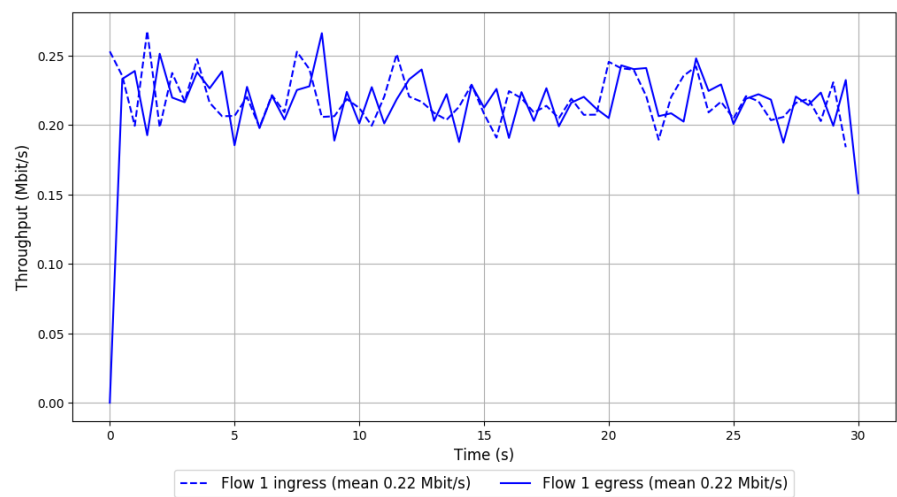
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 46.769 ms

Loss rate: 0.38%

Run 3: Report of SReAM — Data Link

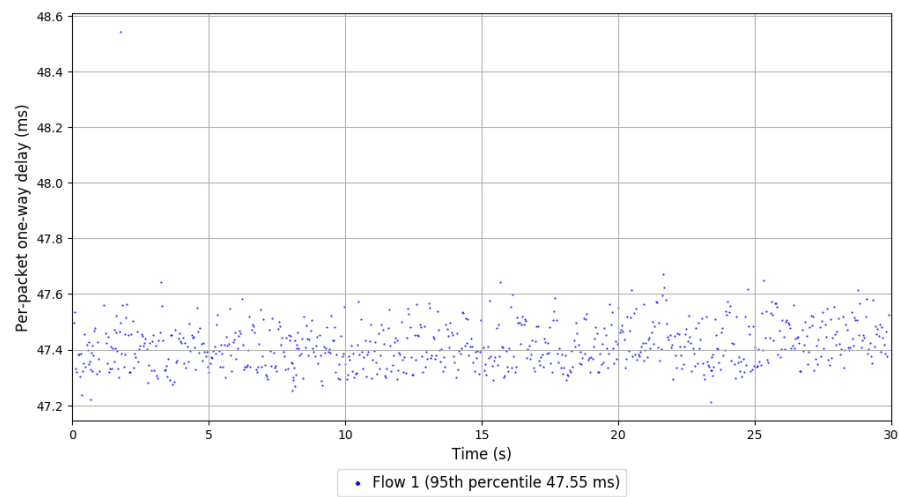
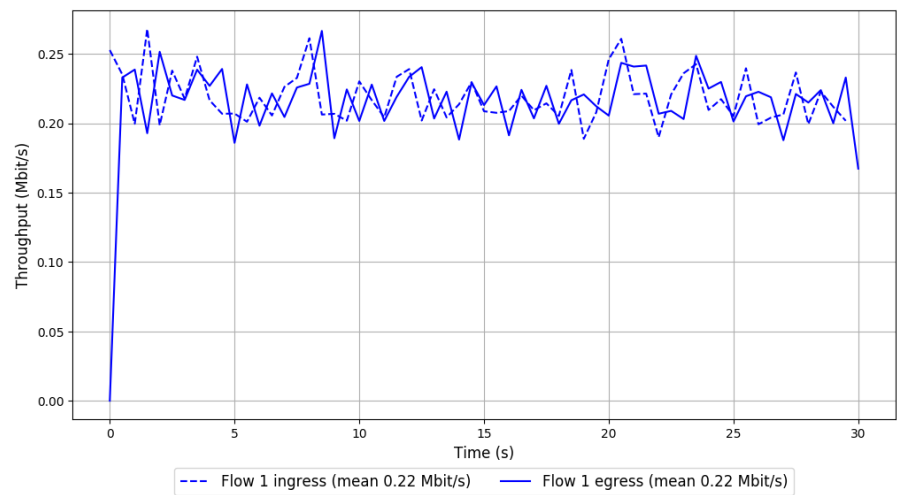


Run 4: Statistics of SCReAM

Start at: 2019-08-27 17:42:10
End at: 2019-08-27 17:42:40
Local clock offset: -0.319 ms
Remote clock offset: -0.049 ms

Below is generated by plot.py at 2019-08-27 20:03:56
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 47.553 ms
Loss rate: 0.39%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 47.553 ms
Loss rate: 0.39%

Run 4: Report of SReAM — Data Link

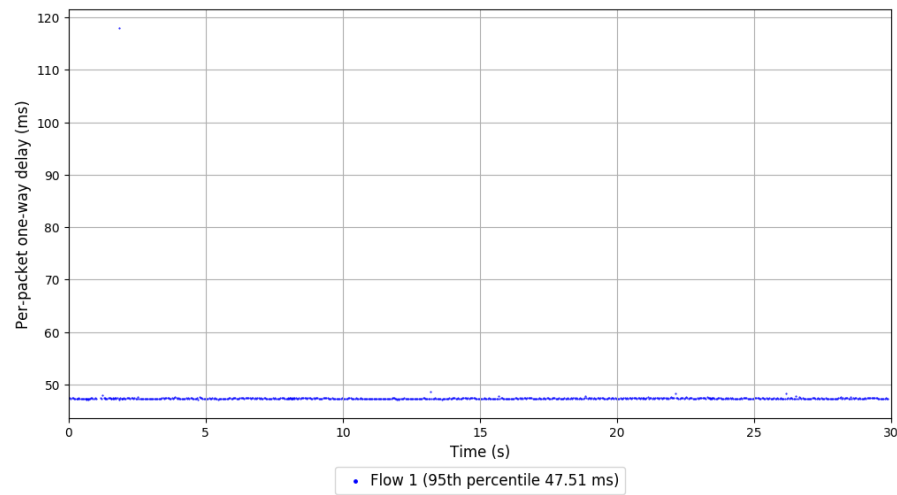
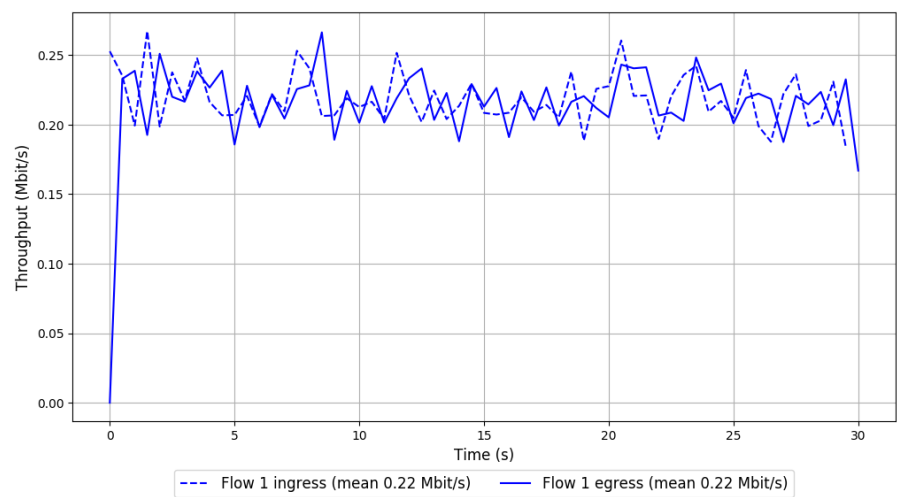


Run 5: Statistics of SCReAM

Start at: 2019-08-27 18:16:28
End at: 2019-08-27 18:16:58
Local clock offset: -0.387 ms
Remote clock offset: -0.165 ms

Below is generated by plot.py at 2019-08-27 20:03:56
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 47.505 ms
Loss rate: 0.26%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 47.505 ms
Loss rate: 0.26%

Run 5: Report of SReAM — Data Link

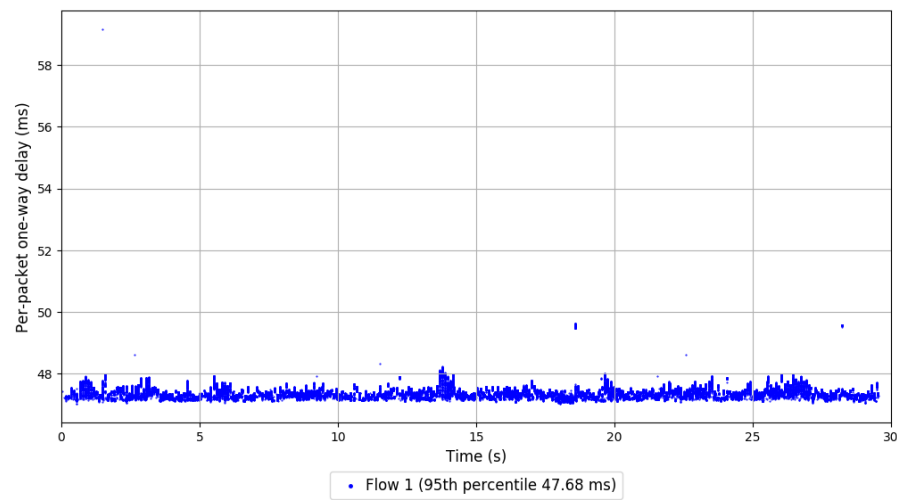
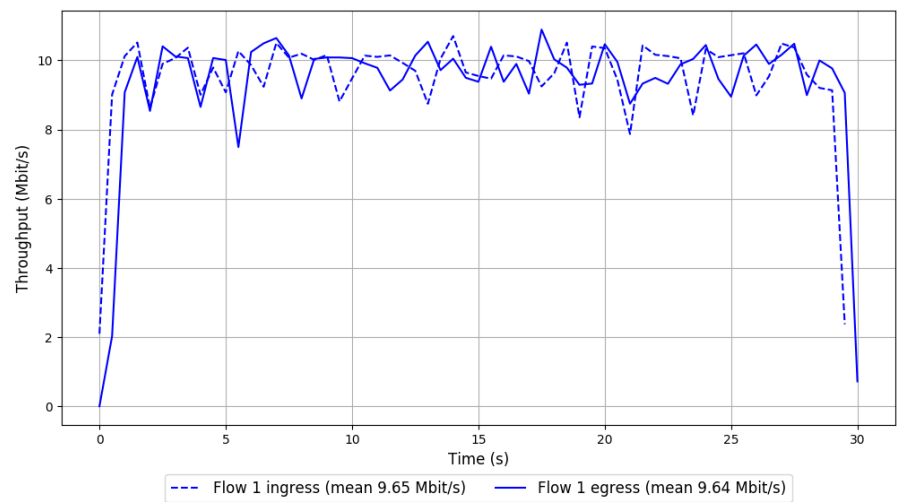


Run 1: Statistics of Sprout

Start at: 2019-08-27 15:55:50
End at: 2019-08-27 15:56:20
Local clock offset: -0.199 ms
Remote clock offset: -0.022 ms

Below is generated by plot.py at 2019-08-27 20:03:56
Datalink statistics
-- Total of 1 flow:
Average throughput: 9.64 Mbit/s
95th percentile per-packet one-way delay: 47.684 ms
Loss rate: 0.41%
-- Flow 1:
Average throughput: 9.64 Mbit/s
95th percentile per-packet one-way delay: 47.684 ms
Loss rate: 0.41%

Run 1: Report of Sprout — Data Link



Run 2: Statistics of Sprout

Start at: 2019-08-27 16:30:01

End at: 2019-08-27 16:30:31

Local clock offset: -0.175 ms

Remote clock offset: 0.018 ms

Below is generated by plot.py at 2019-08-27 20:03:56

Datalink statistics

-- Total of 1 flow:

Average throughput: 9.63 Mbit/s

95th percentile per-packet one-way delay: 47.727 ms

Loss rate: 0.35%

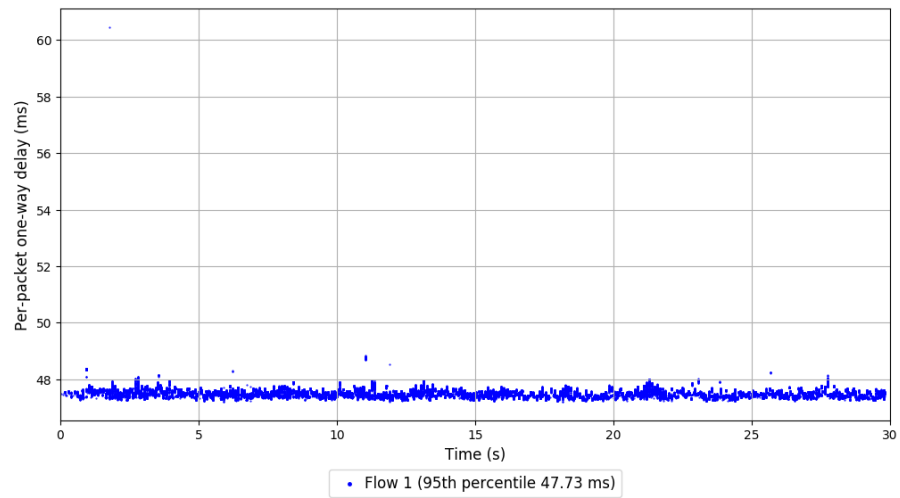
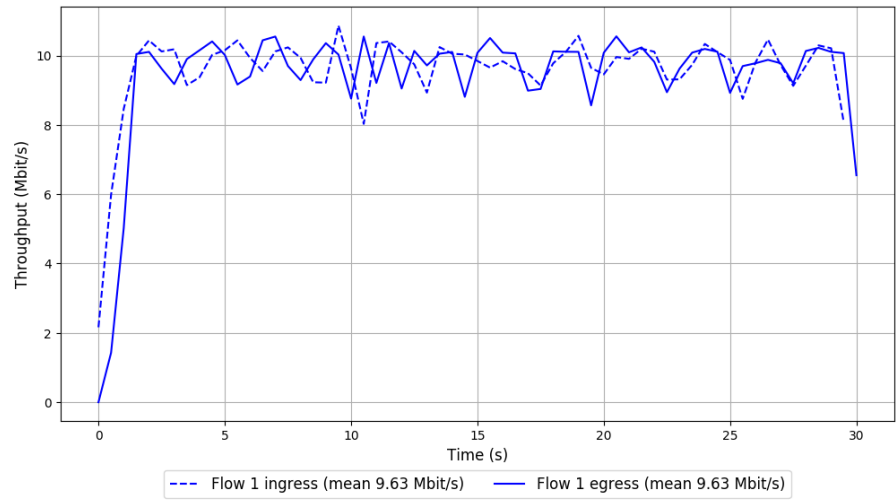
-- Flow 1:

Average throughput: 9.63 Mbit/s

95th percentile per-packet one-way delay: 47.727 ms

Loss rate: 0.35%

Run 2: Report of Sprout — Data Link

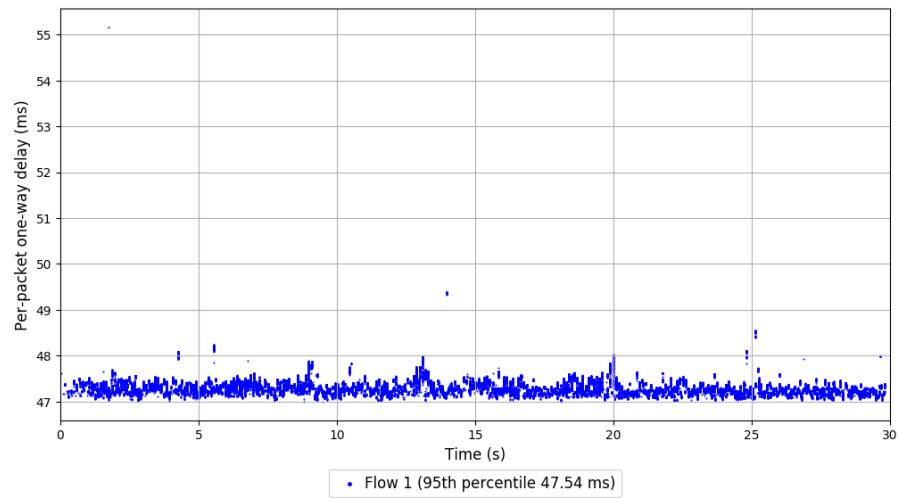
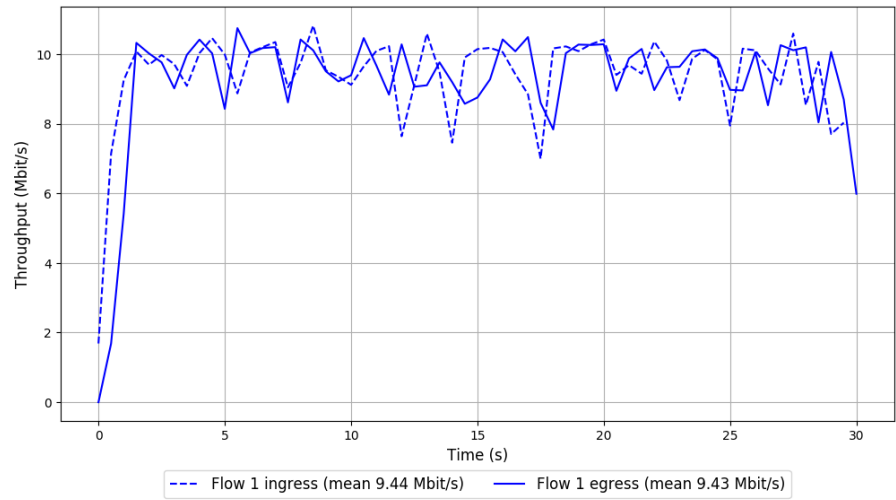


Run 3: Statistics of Sprout

Start at: 2019-08-27 17:04:11
End at: 2019-08-27 17:04:41
Local clock offset: -0.277 ms
Remote clock offset: 0.008 ms

Below is generated by plot.py at 2019-08-27 20:03:56
Datalink statistics
-- Total of 1 flow:
Average throughput: 9.43 Mbit/s
95th percentile per-packet one-way delay: 47.542 ms
Loss rate: 0.36%
-- Flow 1:
Average throughput: 9.43 Mbit/s
95th percentile per-packet one-way delay: 47.542 ms
Loss rate: 0.36%

Run 3: Report of Sprout — Data Link

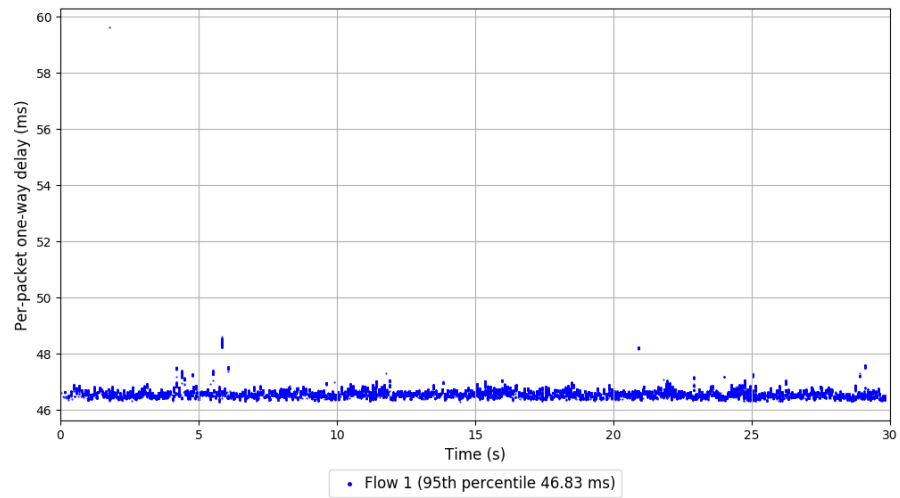
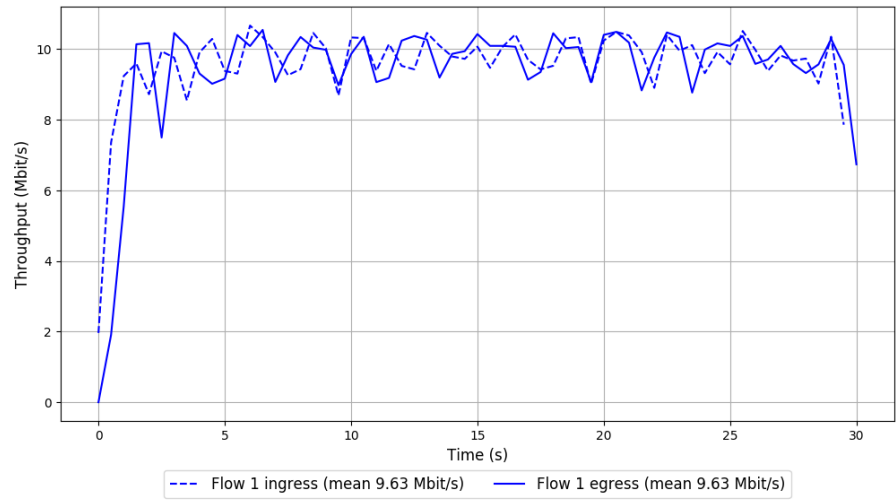


Run 4: Statistics of Sprout

Start at: 2019-08-27 17:38:16
End at: 2019-08-27 17:38:46
Local clock offset: -0.355 ms
Remote clock offset: -0.012 ms

Below is generated by plot.py at 2019-08-27 20:03:56
Datalink statistics
-- Total of 1 flow:
Average throughput: 9.63 Mbit/s
95th percentile per-packet one-way delay: 46.834 ms
Loss rate: 0.33%
-- Flow 1:
Average throughput: 9.63 Mbit/s
95th percentile per-packet one-way delay: 46.834 ms
Loss rate: 0.33%

Run 4: Report of Sprout — Data Link



Run 5: Statistics of Sprout

Start at: 2019-08-27 18:12:27

End at: 2019-08-27 18:12:57

Local clock offset: -0.391 ms

Remote clock offset: -0.14 ms

Below is generated by plot.py at 2019-08-27 20:03:56

Datalink statistics

-- Total of 1 flow:

Average throughput: 9.51 Mbit/s

95th percentile per-packet one-way delay: 47.625 ms

Loss rate: 0.34%

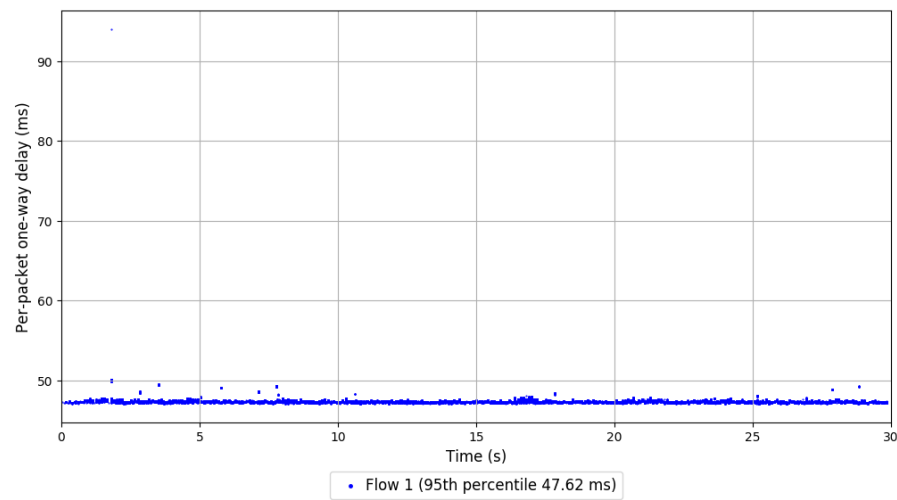
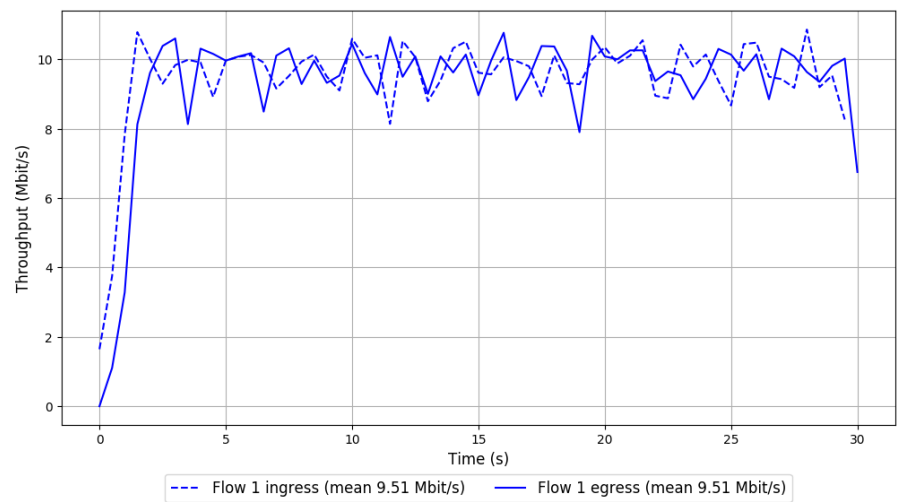
-- Flow 1:

Average throughput: 9.51 Mbit/s

95th percentile per-packet one-way delay: 47.625 ms

Loss rate: 0.34%

Run 5: Report of Sprout — Data Link

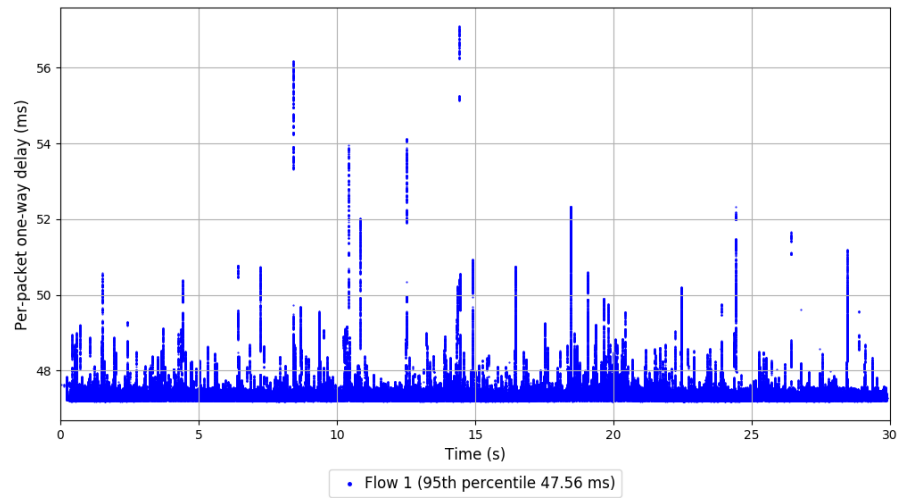
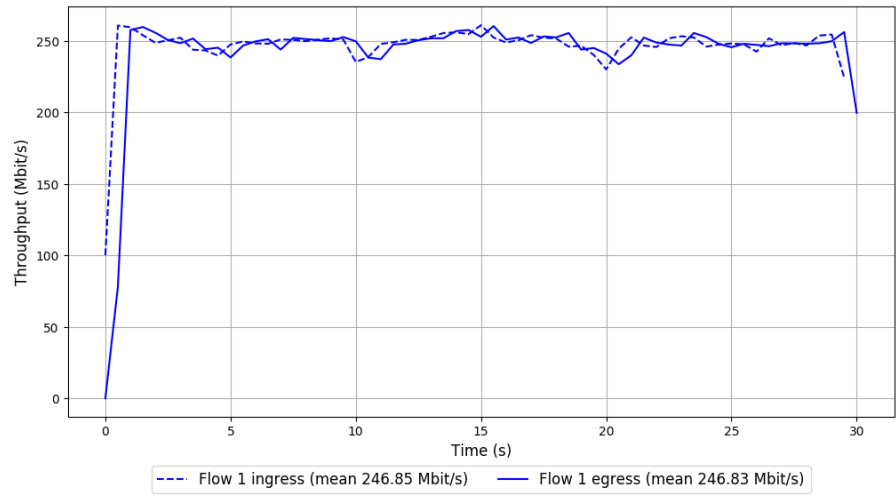


Run 1: Statistics of TaoVA-100x

Start at: 2019-08-27 15:44:20
End at: 2019-08-27 15:44:50
Local clock offset: -0.188 ms
Remote clock offset: -0.058 ms

Below is generated by plot.py at 2019-08-27 20:06:51
Datalink statistics
-- Total of 1 flow:
Average throughput: 246.83 Mbit/s
95th percentile per-packet one-way delay: 47.564 ms
Loss rate: 0.32%
-- Flow 1:
Average throughput: 246.83 Mbit/s
95th percentile per-packet one-way delay: 47.564 ms
Loss rate: 0.32%

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

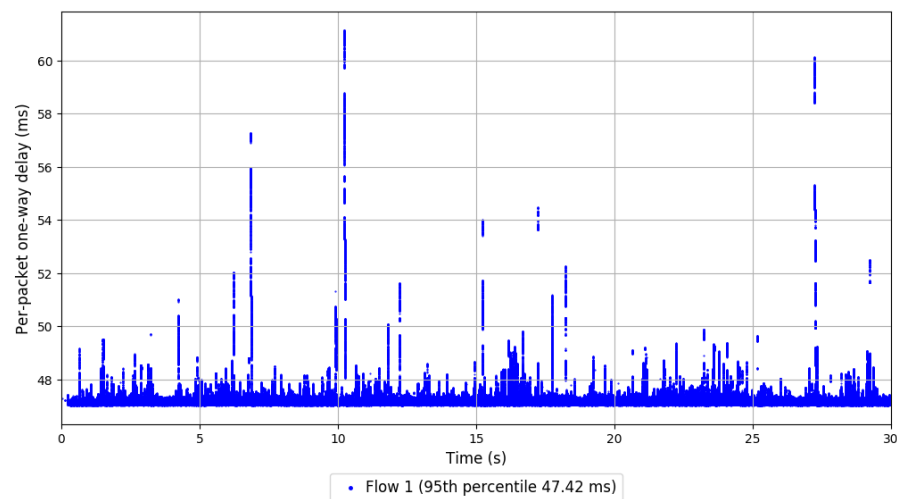
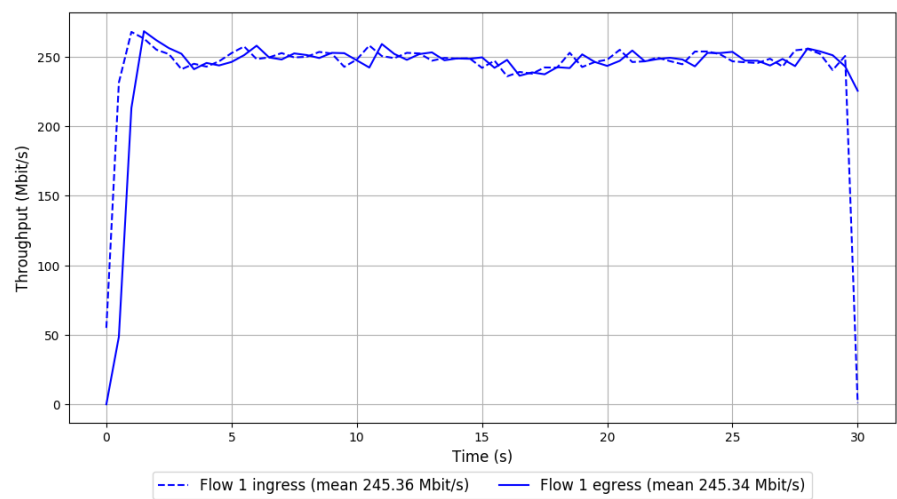


Run 2: Statistics of TaoVA-100x

Start at: 2019-08-27 16:18:29
End at: 2019-08-27 16:18:59
Local clock offset: -0.184 ms
Remote clock offset: -0.006 ms

Below is generated by plot.py at 2019-08-27 20:06:51
Datalink statistics
-- Total of 1 flow:
Average throughput: 245.34 Mbit/s
95th percentile per-packet one-way delay: 47.425 ms
Loss rate: 0.33%
-- Flow 1:
Average throughput: 245.34 Mbit/s
95th percentile per-packet one-way delay: 47.425 ms
Loss rate: 0.33%

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



Run 3: Statistics of TaoVA-100x

Start at: 2019-08-27 16:52:42

End at: 2019-08-27 16:53:12

Local clock offset: -0.223 ms

Remote clock offset: 0.015 ms

Below is generated by plot.py at 2019-08-27 20:06:51

Datalink statistics

-- Total of 1 flow:

Average throughput: 231.73 Mbit/s

95th percentile per-packet one-way delay: 48.091 ms

Loss rate: 0.33%

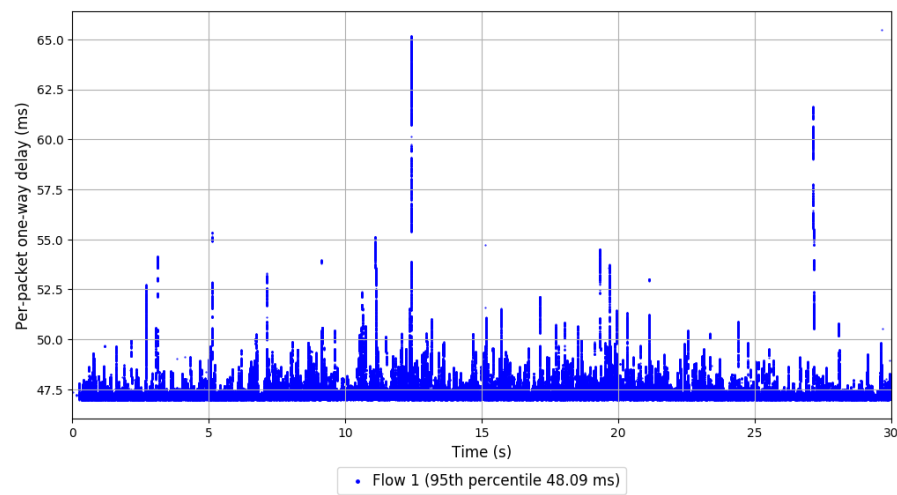
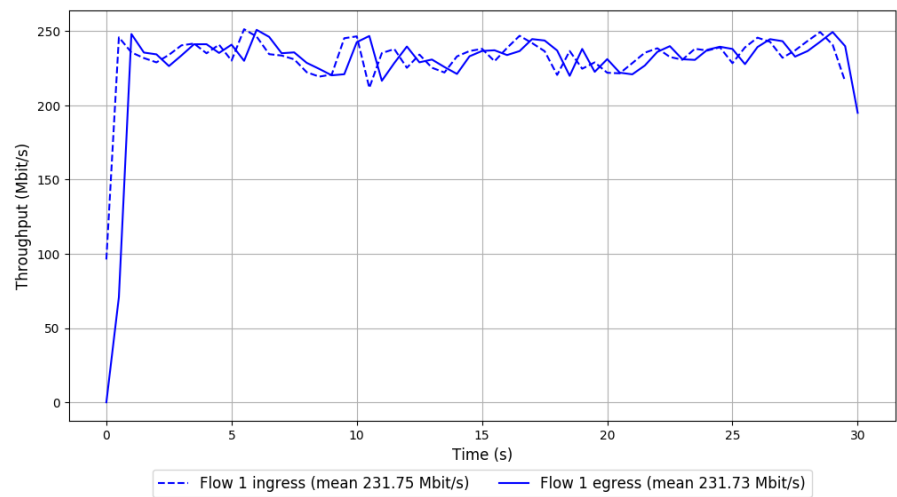
-- Flow 1:

Average throughput: 231.73 Mbit/s

95th percentile per-packet one-way delay: 48.091 ms

Loss rate: 0.33%

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



Run 4: Statistics of TaoVA-100x

Start at: 2019-08-27 17:26:46

End at: 2019-08-27 17:27:16

Local clock offset: -0.359 ms

Remote clock offset: 0.011 ms

Below is generated by plot.py at 2019-08-27 20:06:53

Datalink statistics

-- Total of 1 flow:

Average throughput: 244.69 Mbit/s

95th percentile per-packet one-way delay: 47.441 ms

Loss rate: 0.31%

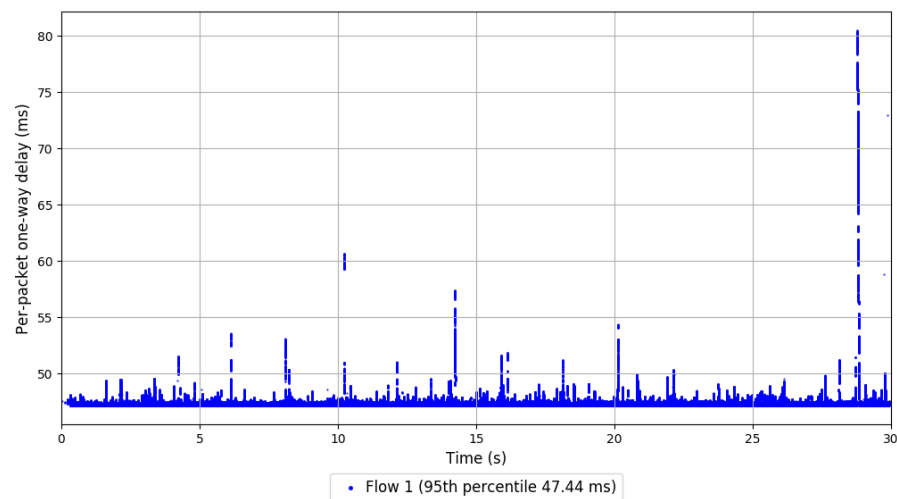
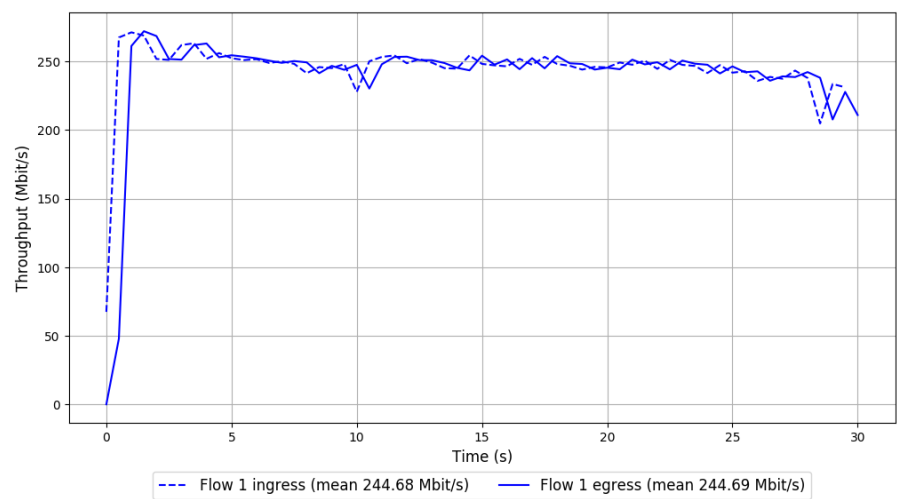
-- Flow 1:

Average throughput: 244.69 Mbit/s

95th percentile per-packet one-way delay: 47.441 ms

Loss rate: 0.31%

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

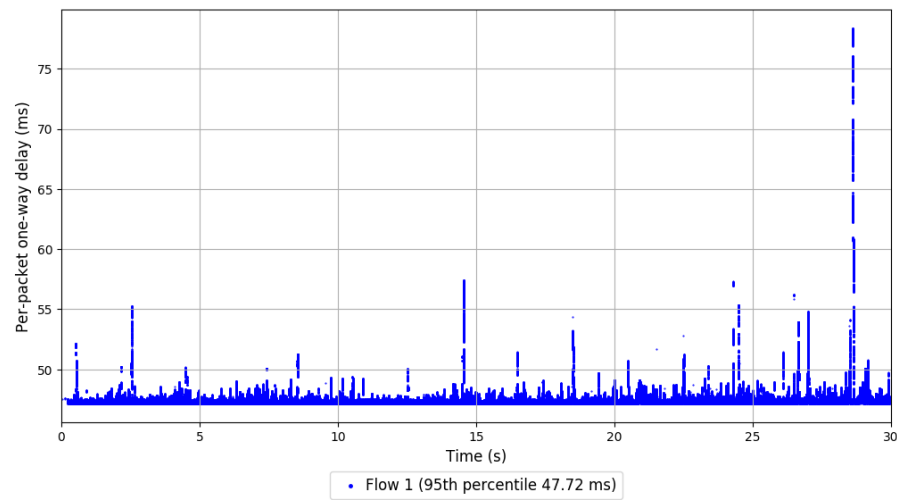
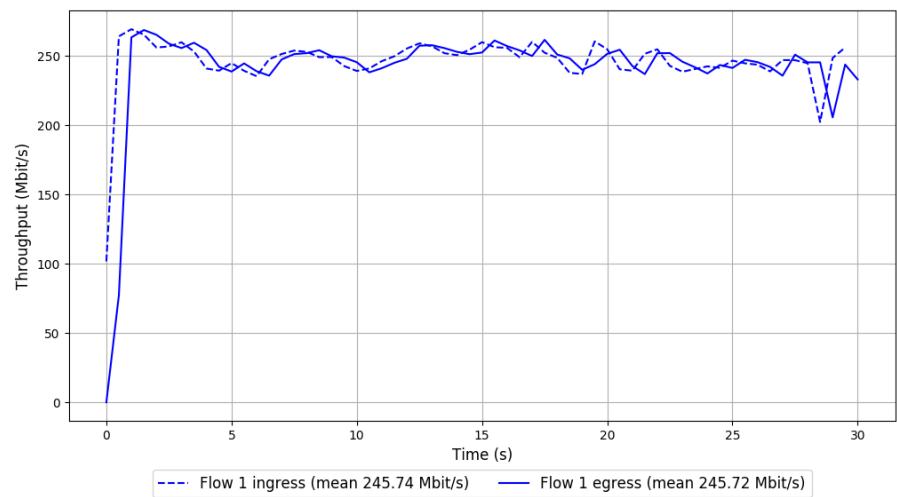


Run 5: Statistics of TaoVA-100x

Start at: 2019-08-27 18:00:52
End at: 2019-08-27 18:01:22
Local clock offset: -0.321 ms
Remote clock offset: -0.133 ms

Below is generated by plot.py at 2019-08-27 20:06:58
Datalink statistics
-- Total of 1 flow:
Average throughput: 245.72 Mbit/s
95th percentile per-packet one-way delay: 47.715 ms
Loss rate: 0.33%
-- Flow 1:
Average throughput: 245.72 Mbit/s
95th percentile per-packet one-way delay: 47.715 ms
Loss rate: 0.33%

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

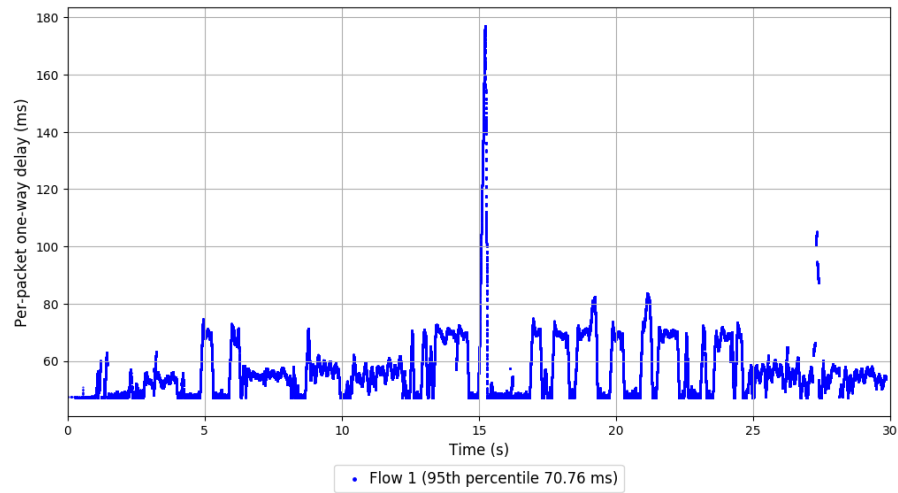
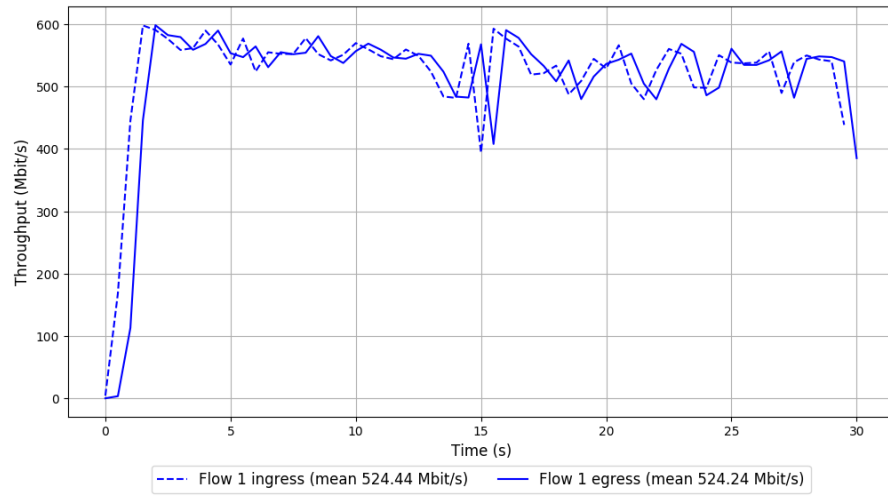


Run 1: Statistics of TCP Vegas

Start at: 2019-08-27 15:56:59
End at: 2019-08-27 15:57:29
Local clock offset: -0.197 ms
Remote clock offset: -0.016 ms

Below is generated by plot.py at 2019-08-27 20:10:26
Datalink statistics
-- Total of 1 flow:
Average throughput: 524.24 Mbit/s
95th percentile per-packet one-way delay: 70.764 ms
Loss rate: 0.36%
-- Flow 1:
Average throughput: 524.24 Mbit/s
95th percentile per-packet one-way delay: 70.764 ms
Loss rate: 0.36%

Run 1: Report of TCP Vegas — Data Link



Run 2: Statistics of TCP Vegas

Start at: 2019-08-27 16:31:09

End at: 2019-08-27 16:31:39

Local clock offset: -0.597 ms

Remote clock offset: 0.027 ms

Below is generated by plot.py at 2019-08-27 20:12:54

Datalink statistics

-- Total of 1 flow:

Average throughput: 540.81 Mbit/s

95th percentile per-packet one-way delay: 61.976 ms

Loss rate: 0.34%

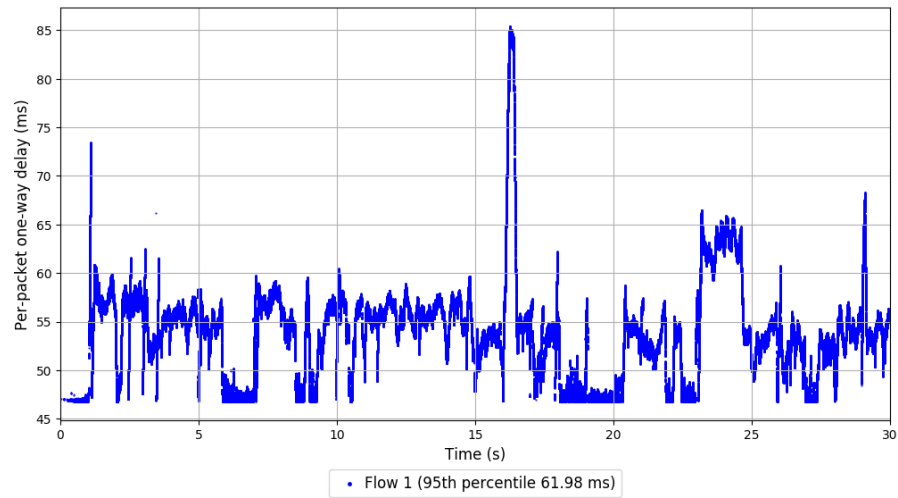
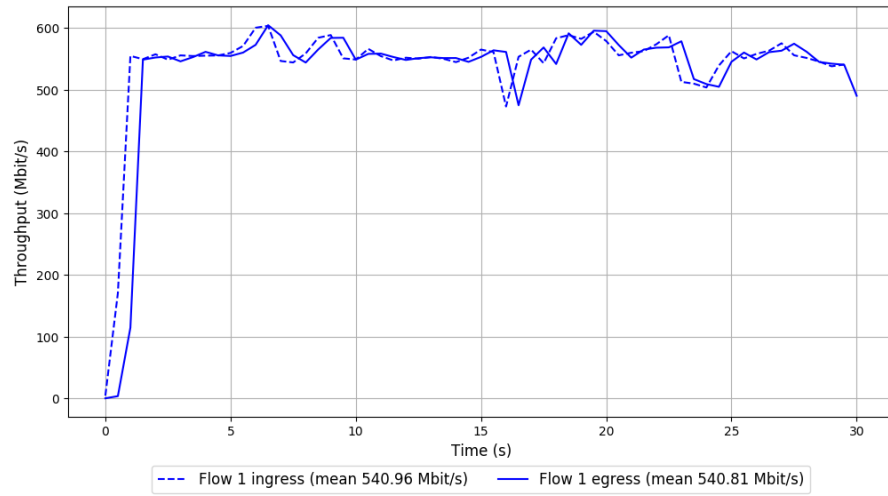
-- Flow 1:

Average throughput: 540.81 Mbit/s

95th percentile per-packet one-way delay: 61.976 ms

Loss rate: 0.34%

Run 2: Report of TCP Vegas — Data Link

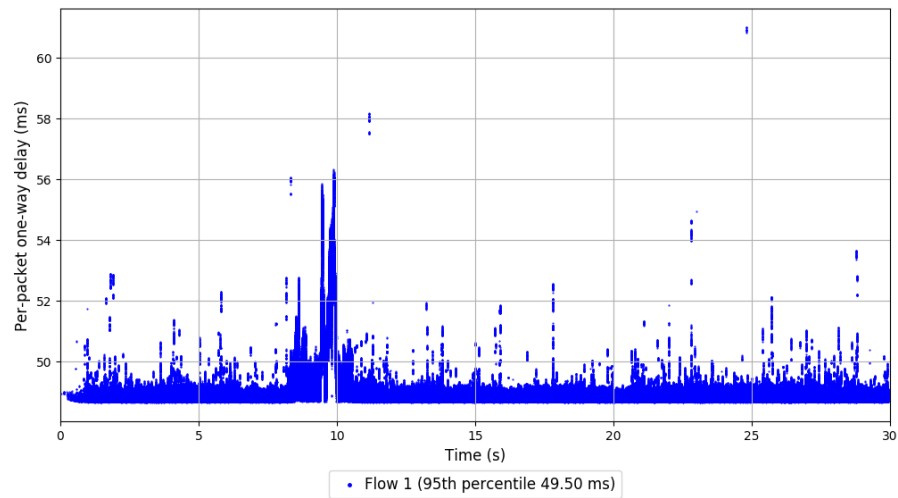
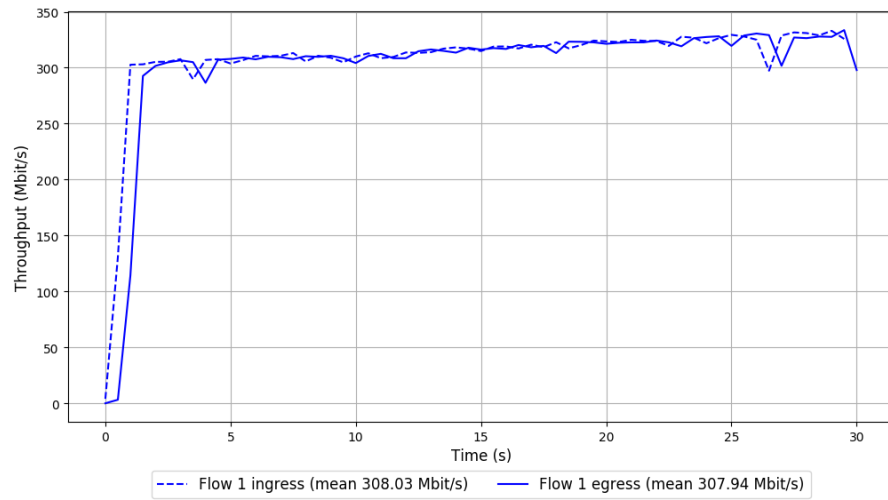


Run 3: Statistics of TCP Vegas

Start at: 2019-08-27 17:05:19
End at: 2019-08-27 17:05:49
Local clock offset: -0.253 ms
Remote clock offset: -0.006 ms

Below is generated by plot.py at 2019-08-27 20:12:54
Datalink statistics
-- Total of 1 flow:
Average throughput: 307.94 Mbit/s
95th percentile per-packet one-way delay: 49.503 ms
Loss rate: 0.35%
-- Flow 1:
Average throughput: 307.94 Mbit/s
95th percentile per-packet one-way delay: 49.503 ms
Loss rate: 0.35%

Run 3: Report of TCP Vegas — Data Link

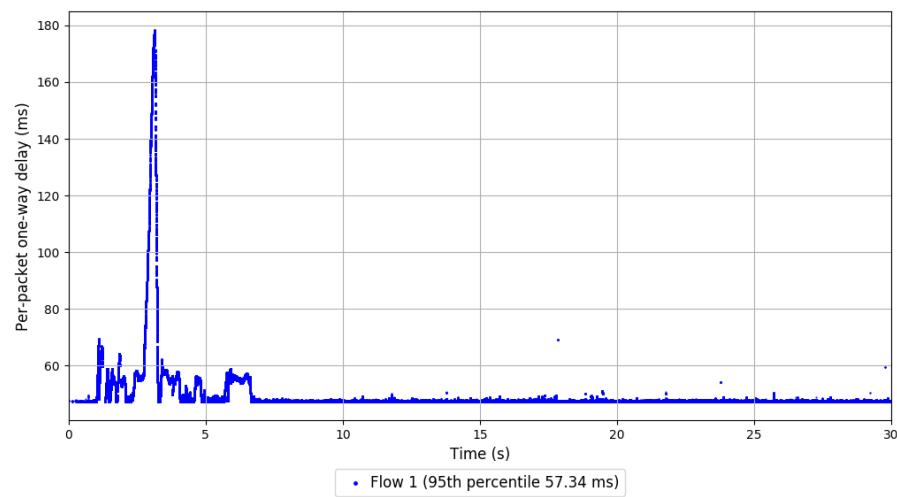
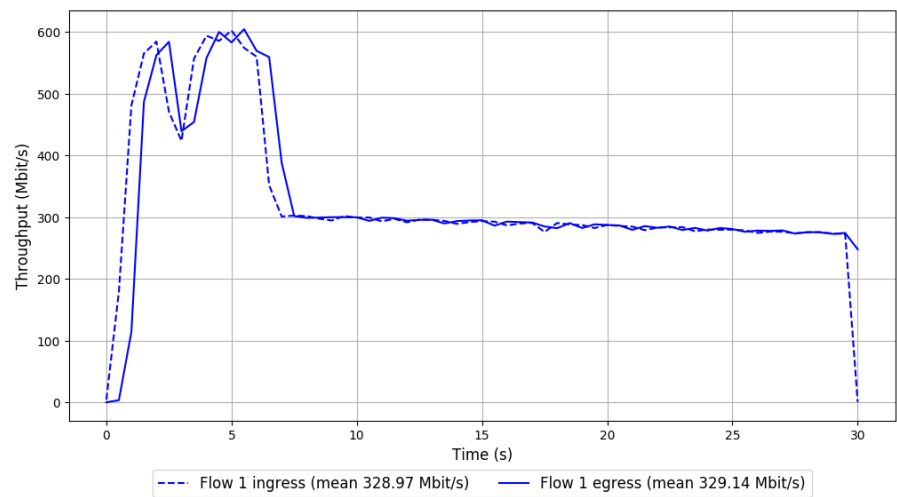


Run 4: Statistics of TCP Vegas

Start at: 2019-08-27 17:39:24
End at: 2019-08-27 17:39:54
Local clock offset: -0.335 ms
Remote clock offset: -0.066 ms

Below is generated by plot.py at 2019-08-27 20:12:54
Datalink statistics
-- Total of 1 flow:
Average throughput: 329.14 Mbit/s
95th percentile per-packet one-way delay: 57.336 ms
Loss rate: 0.26%
-- Flow 1:
Average throughput: 329.14 Mbit/s
95th percentile per-packet one-way delay: 57.336 ms
Loss rate: 0.26%

Run 4: Report of TCP Vegas — Data Link

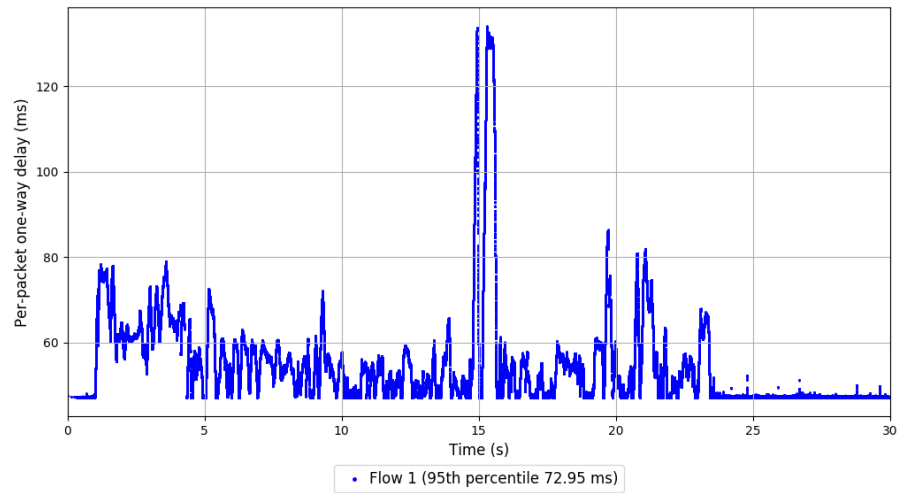
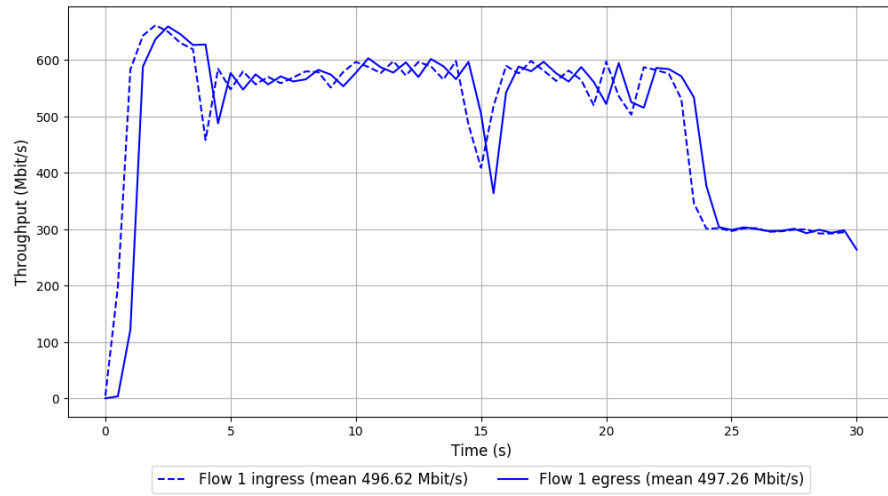


Run 5: Statistics of TCP Vegas

Start at: 2019-08-27 18:13:35
End at: 2019-08-27 18:14:05
Local clock offset: -0.431 ms
Remote clock offset: -0.103 ms

Below is generated by plot.py at 2019-08-27 20:14:35
Datalink statistics
-- Total of 1 flow:
Average throughput: 497.26 Mbit/s
95th percentile per-packet one-way delay: 72.946 ms
Loss rate: 0.19%
-- Flow 1:
Average throughput: 497.26 Mbit/s
95th percentile per-packet one-way delay: 72.946 ms
Loss rate: 0.19%

Run 5: Report of TCP Vegas — Data Link

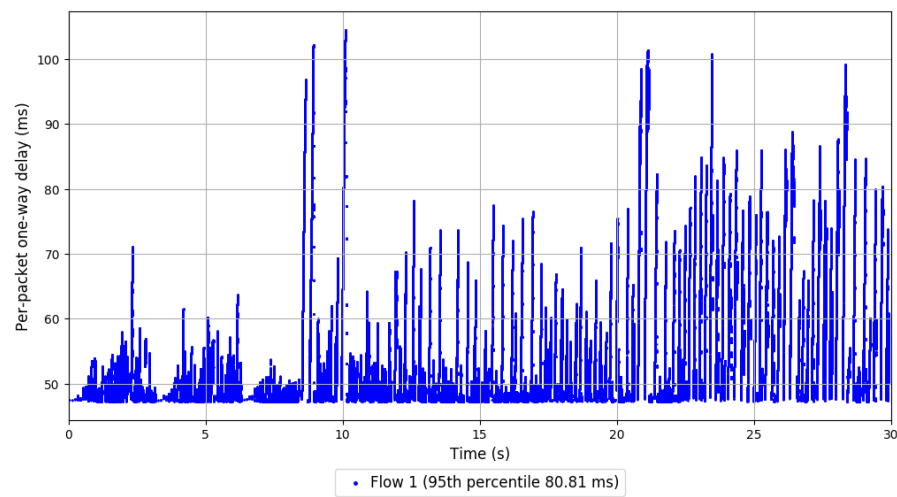
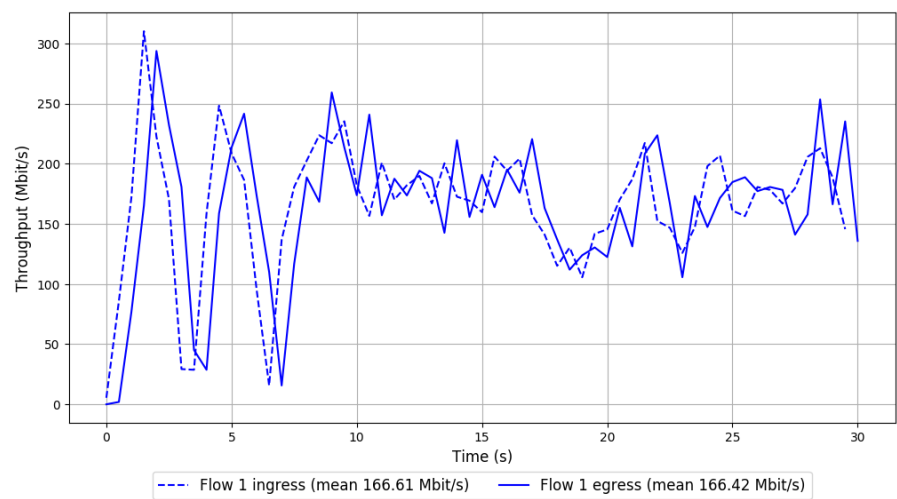


Run 1: Statistics of Verus

Start at: 2019-08-27 16:05:21
End at: 2019-08-27 16:05:51
Local clock offset: -0.15 ms
Remote clock offset: -0.008 ms

Below is generated by plot.py at 2019-08-27 20:14:35
Datalink statistics
-- Total of 1 flow:
Average throughput: 166.42 Mbit/s
95th percentile per-packet one-way delay: 80.814 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 166.42 Mbit/s
95th percentile per-packet one-way delay: 80.814 ms
Loss rate: 0.10%

Run 1: Report of Verus — Data Link



Run 2: Statistics of Verus

Start at: 2019-08-27 16:39:33

End at: 2019-08-27 16:40:03

Local clock offset: -0.217 ms

Remote clock offset: 0.029 ms

Below is generated by plot.py at 2019-08-27 20:14:35

Datalink statistics

-- Total of 1 flow:

Average throughput: 203.97 Mbit/s

95th percentile per-packet one-way delay: 178.857 ms

Loss rate: 1.84%

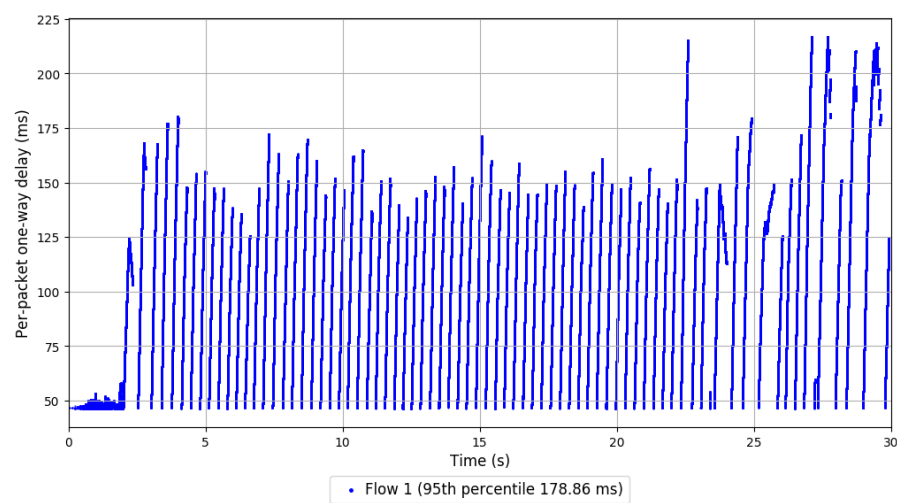
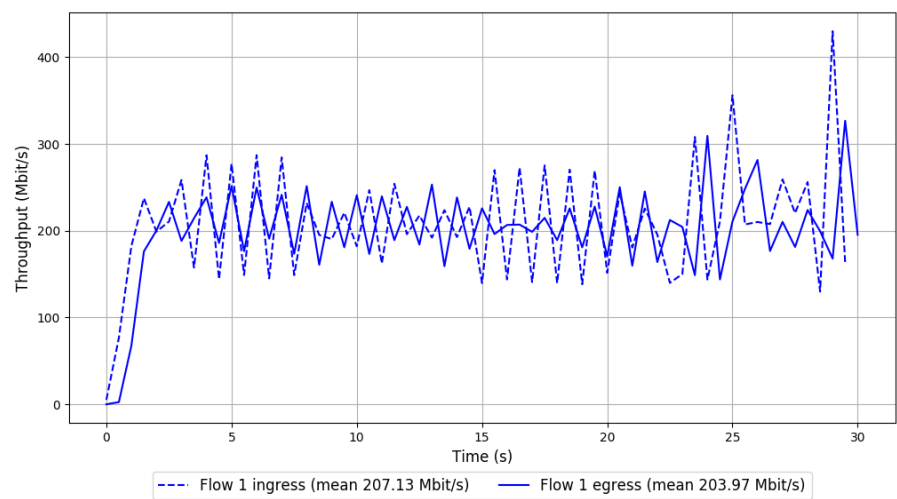
-- Flow 1:

Average throughput: 203.97 Mbit/s

95th percentile per-packet one-way delay: 178.857 ms

Loss rate: 1.84%

Run 2: Report of Verus — Data Link

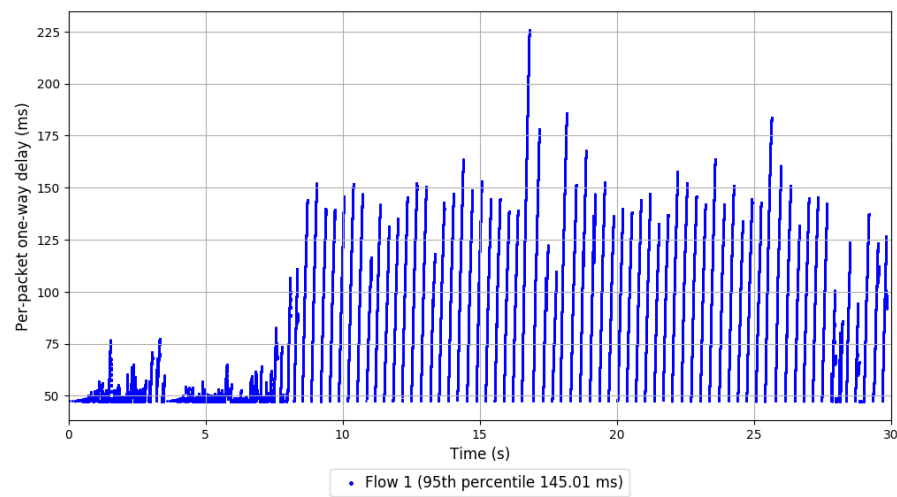
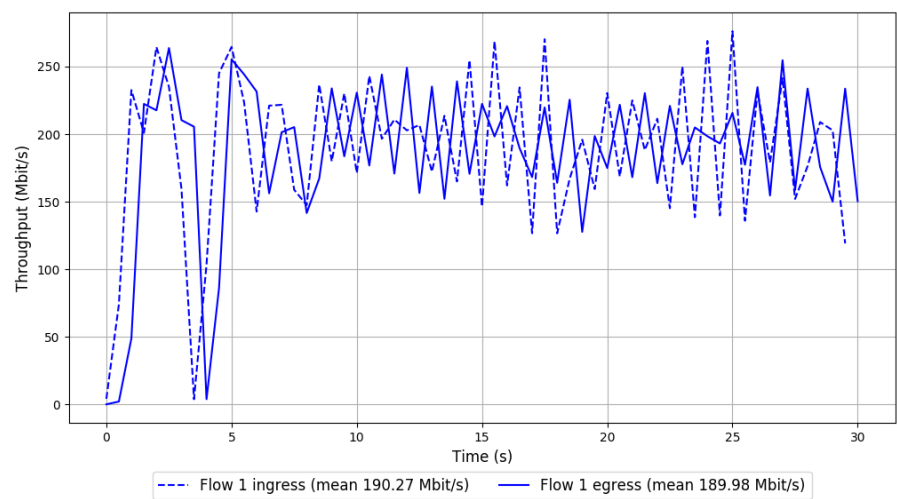


Run 3: Statistics of Verus

Start at: 2019-08-27 17:13:40
End at: 2019-08-27 17:14:10
Local clock offset: -0.281 ms
Remote clock offset: 0.054 ms

Below is generated by plot.py at 2019-08-27 20:14:35
Datalink statistics
-- Total of 1 flow:
Average throughput: 189.98 Mbit/s
95th percentile per-packet one-way delay: 145.011 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 189.98 Mbit/s
95th percentile per-packet one-way delay: 145.011 ms
Loss rate: 0.00%

Run 3: Report of Verus — Data Link

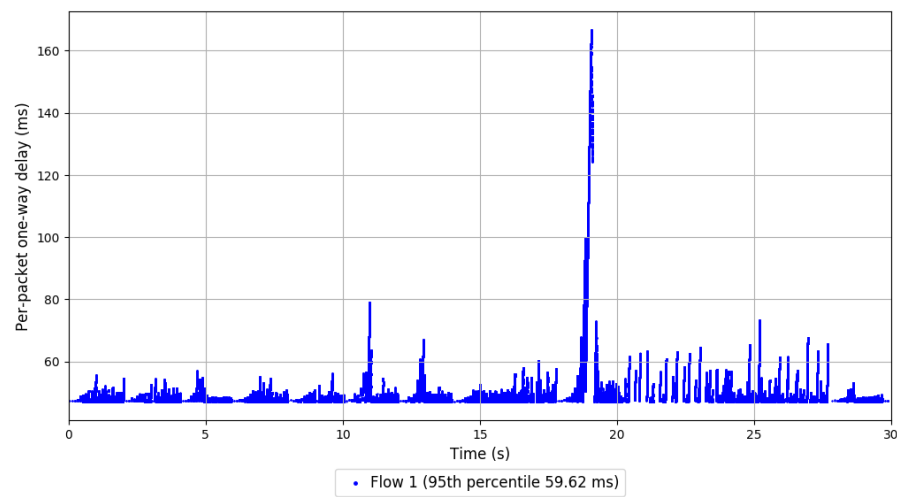
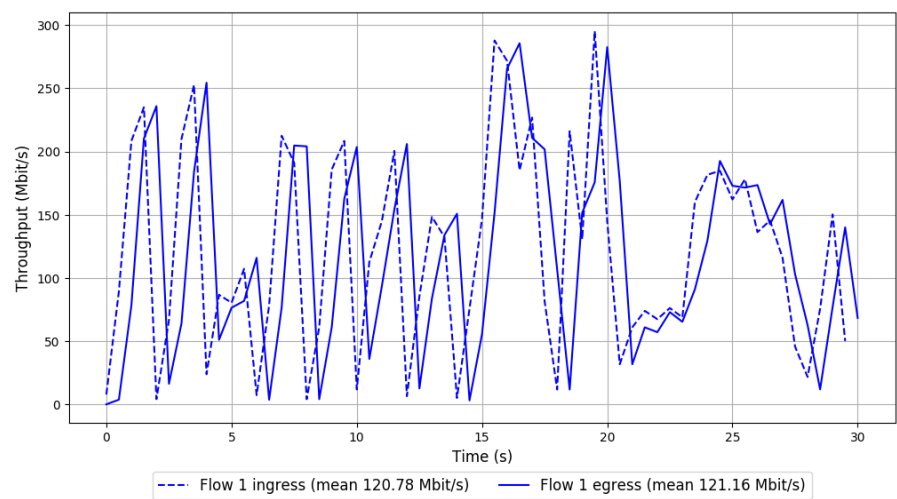


Run 4: Statistics of Verus

Start at: 2019-08-27 17:47:37
End at: 2019-08-27 17:48:07
Local clock offset: -0.317 ms
Remote clock offset: -0.128 ms

Below is generated by plot.py at 2019-08-27 20:14:35
Datalink statistics
-- Total of 1 flow:
Average throughput: 121.16 Mbit/s
95th percentile per-packet one-way delay: 59.615 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 121.16 Mbit/s
95th percentile per-packet one-way delay: 59.615 ms
Loss rate: 0.01%

Run 4: Report of Verus — Data Link

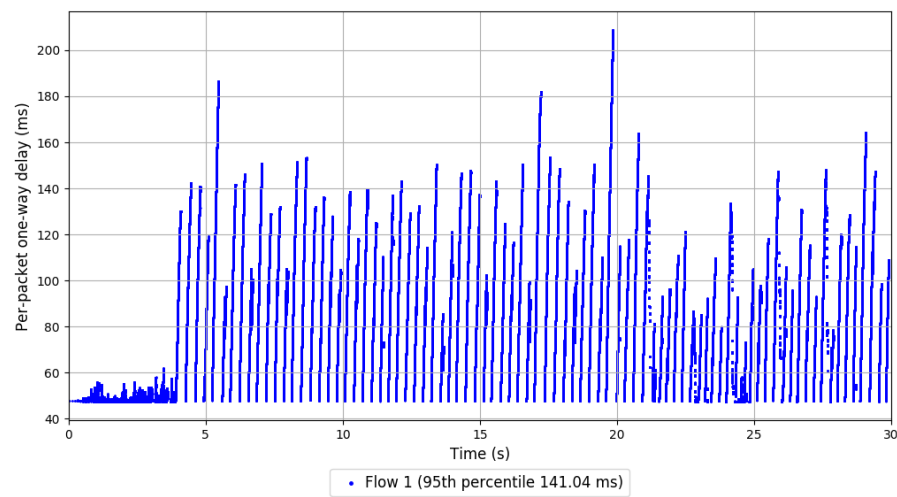
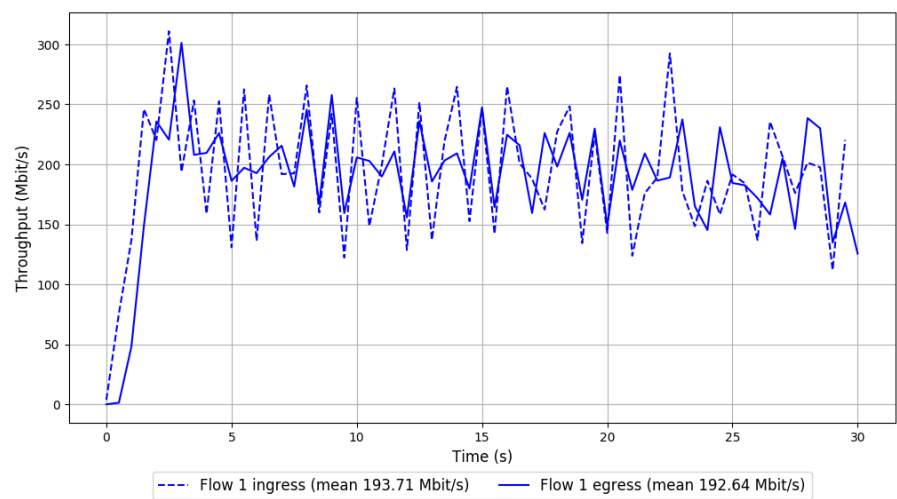


Run 5: Statistics of Verus

Start at: 2019-08-27 18:22:01
End at: 2019-08-27 18:22:31
Local clock offset: -0.387 ms
Remote clock offset: -0.122 ms

Below is generated by plot.py at 2019-08-27 20:15:18
Datalink statistics
-- Total of 1 flow:
Average throughput: 192.64 Mbit/s
95th percentile per-packet one-way delay: 141.042 ms
Loss rate: 0.87%
-- Flow 1:
Average throughput: 192.64 Mbit/s
95th percentile per-packet one-way delay: 141.042 ms
Loss rate: 0.87%

Run 5: Report of Verus — Data Link



Run 1: Statistics of PCC-Vivace

Start at: 2019-08-27 15:58:29

End at: 2019-08-27 15:58:59

Local clock offset: 0.161 ms

Remote clock offset: -0.002 ms

Below is generated by plot.py at 2019-08-27 20:15:18

Datalink statistics

-- Total of 1 flow:

Average throughput: 185.08 Mbit/s

95th percentile per-packet one-way delay: 59.700 ms

Loss rate: 0.60%

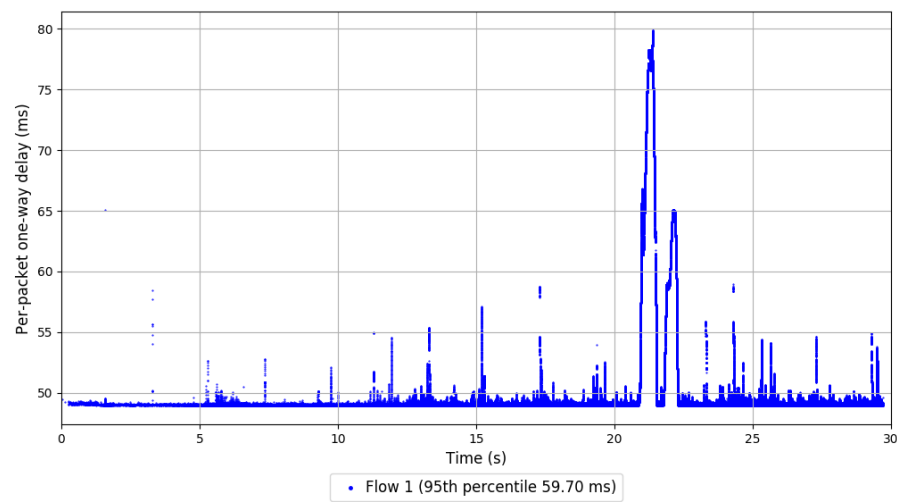
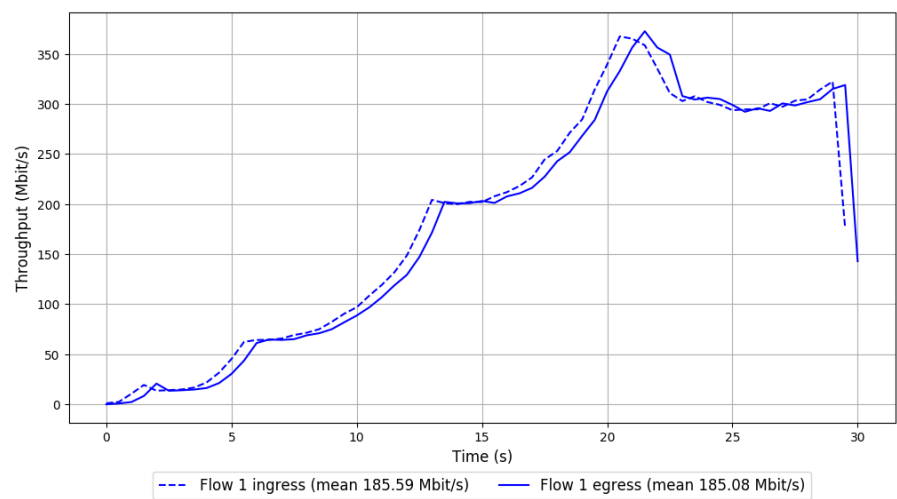
-- Flow 1:

Average throughput: 185.08 Mbit/s

95th percentile per-packet one-way delay: 59.700 ms

Loss rate: 0.60%

Run 1: Report of PCC-Vivace — Data Link



Run 2: Statistics of PCC-Vivace

Start at: 2019-08-27 16:32:41

End at: 2019-08-27 16:33:11

Local clock offset: -0.198 ms

Remote clock offset: 0.021 ms

Below is generated by plot.py at 2019-08-27 20:15:18

Datalink statistics

-- Total of 1 flow:

Average throughput: 232.30 Mbit/s

95th percentile per-packet one-way delay: 66.923 ms

Loss rate: 0.59%

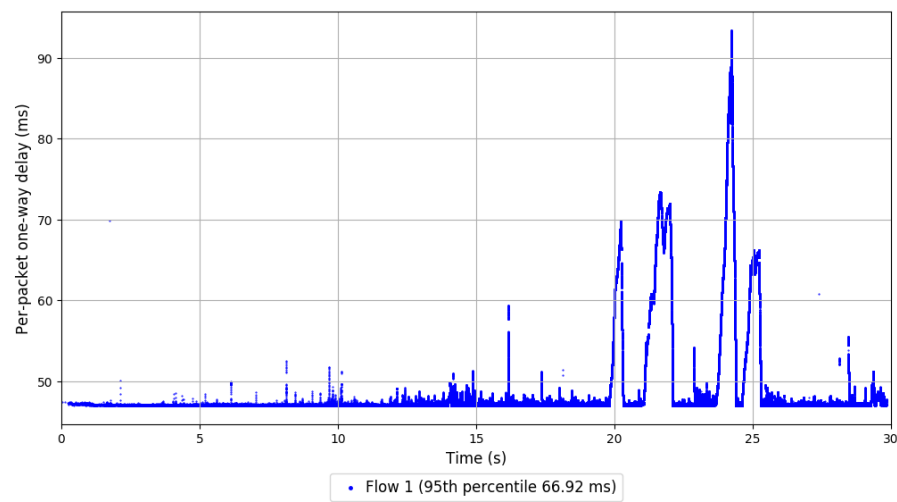
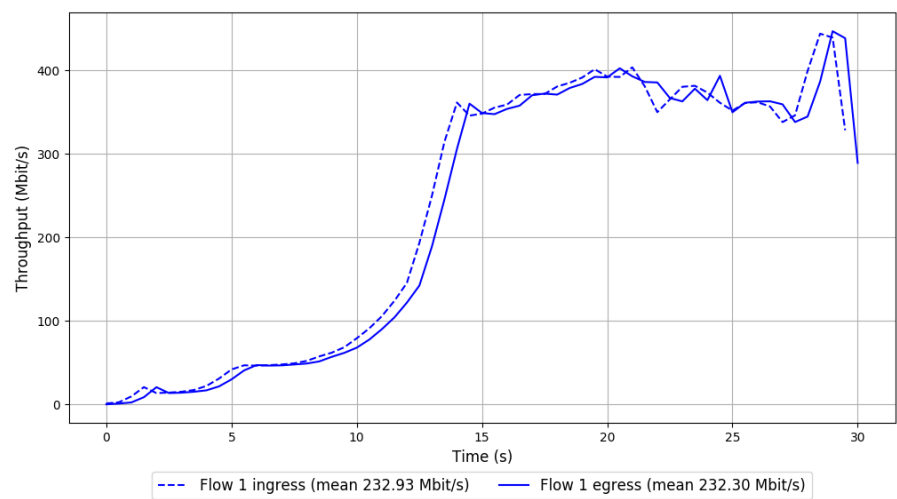
-- Flow 1:

Average throughput: 232.30 Mbit/s

95th percentile per-packet one-way delay: 66.923 ms

Loss rate: 0.59%

Run 2: Report of PCC-Vivace — Data Link

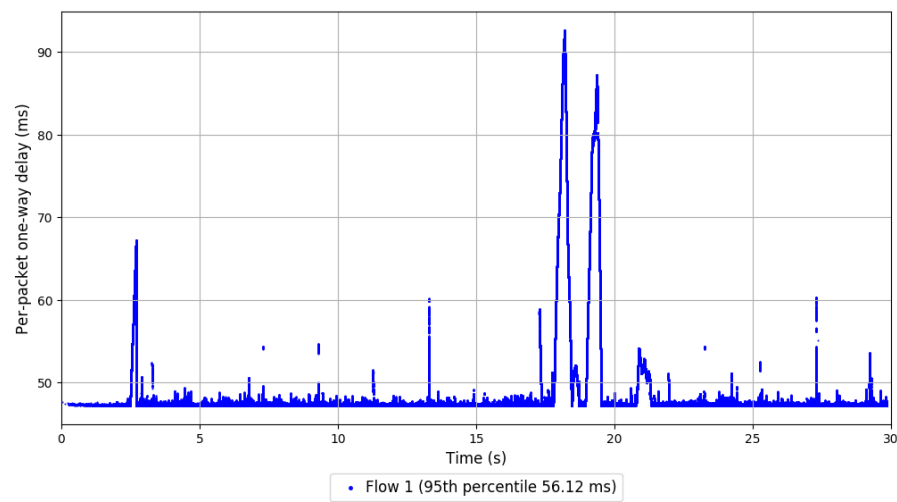
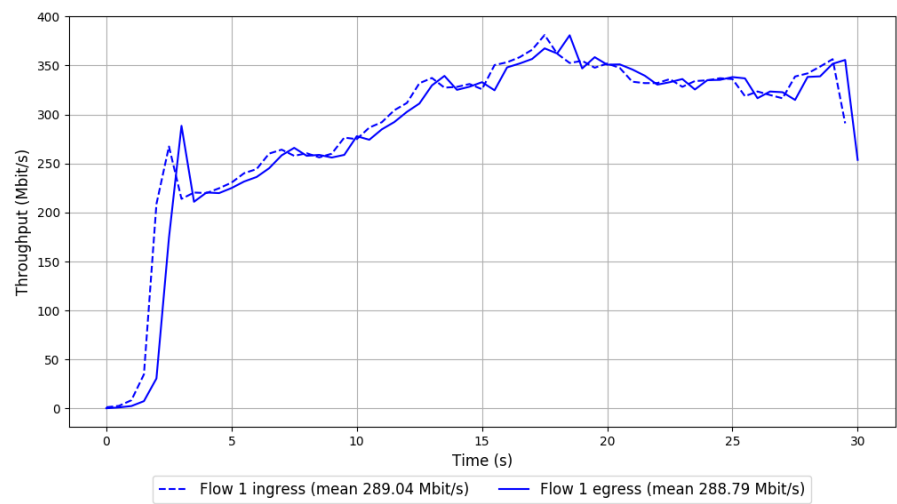


Run 3: Statistics of PCC-Vivace

Start at: 2019-08-27 17:06:40
End at: 2019-08-27 17:07:10
Local clock offset: -0.223 ms
Remote clock offset: -0.016 ms

Below is generated by plot.py at 2019-08-27 20:15:37
Datalink statistics
-- Total of 1 flow:
Average throughput: 288.79 Mbit/s
95th percentile per-packet one-way delay: 56.116 ms
Loss rate: 0.40%
-- Flow 1:
Average throughput: 288.79 Mbit/s
95th percentile per-packet one-way delay: 56.116 ms
Loss rate: 0.40%

Run 3: Report of PCC-Vivace — Data Link

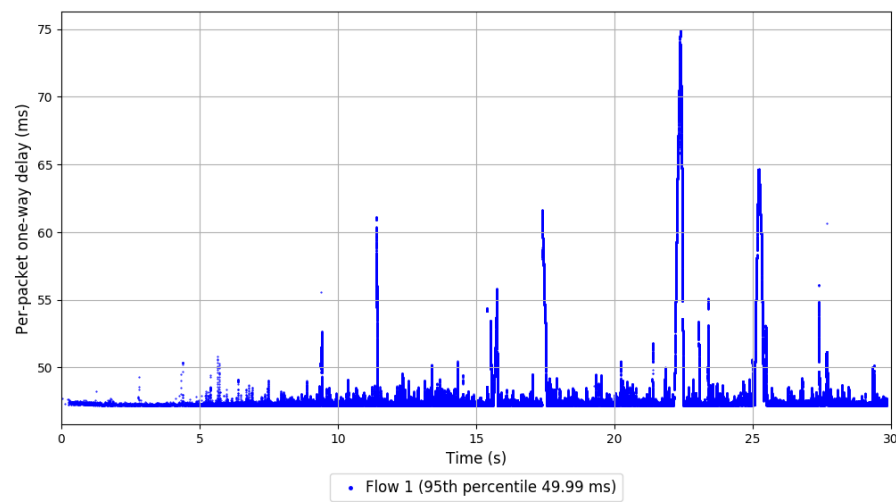
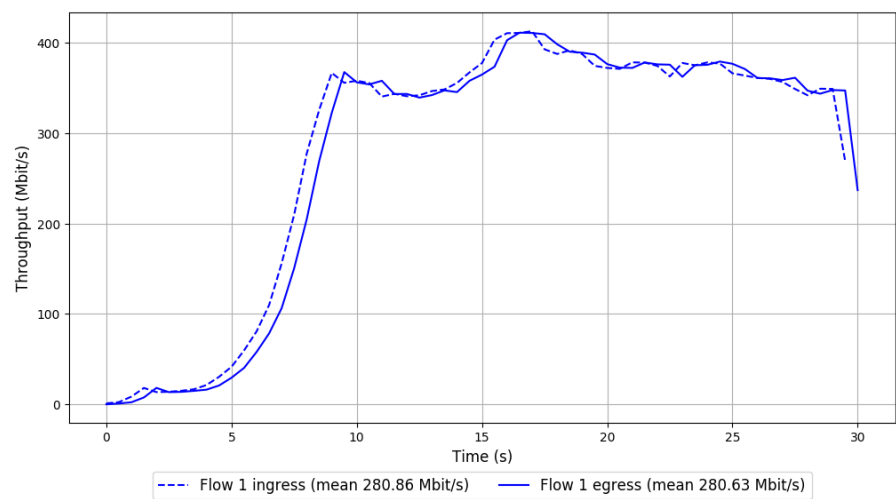


Run 4: Statistics of PCC-Vivace

Start at: 2019-08-27 17:40:45
End at: 2019-08-27 17:41:15
Local clock offset: -0.336 ms
Remote clock offset: -0.075 ms

Below is generated by plot.py at 2019-08-27 20:15:39
Datalink statistics
-- Total of 1 flow:
Average throughput: 280.63 Mbit/s
95th percentile per-packet one-way delay: 49.986 ms
Loss rate: 0.40%
-- Flow 1:
Average throughput: 280.63 Mbit/s
95th percentile per-packet one-way delay: 49.986 ms
Loss rate: 0.40%

Run 4: Report of PCC-Vivace — Data Link

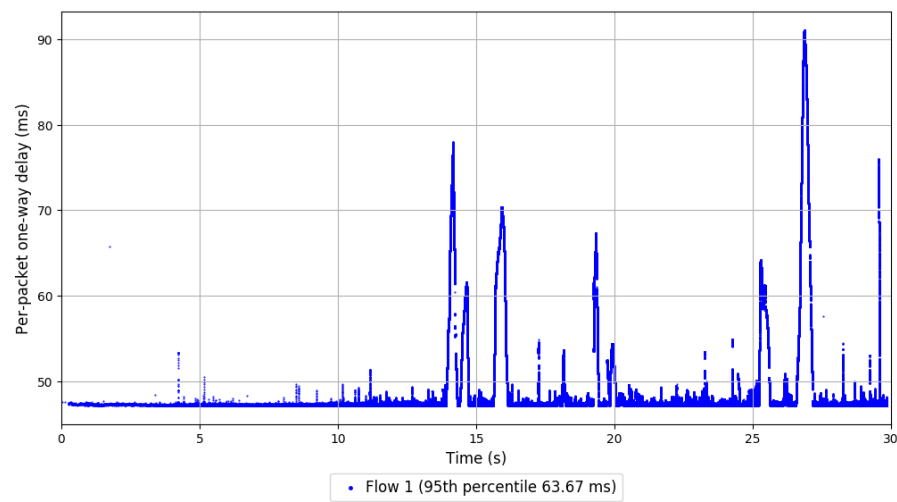
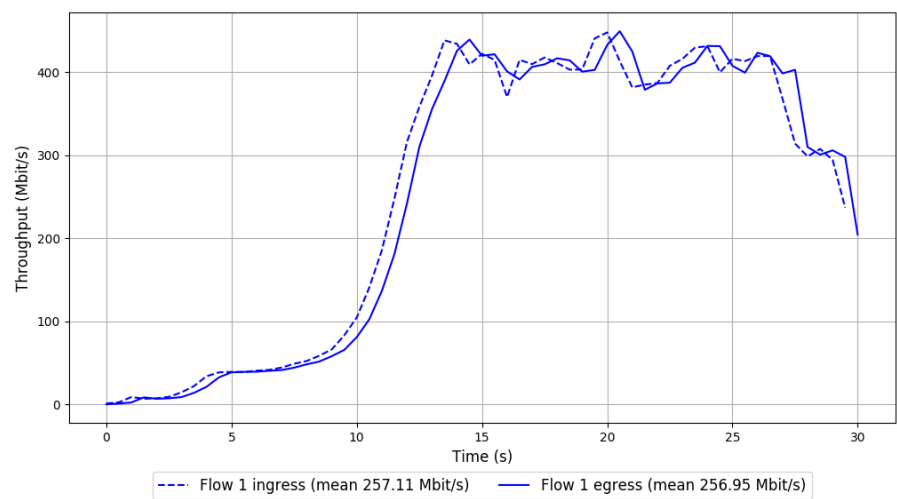


Run 5: Statistics of PCC-Vivace

Start at: 2019-08-27 18:15:04
End at: 2019-08-27 18:15:34
Local clock offset: -0.388 ms
Remote clock offset: -0.122 ms

Below is generated by plot.py at 2019-08-27 20:15:39
Datalink statistics
-- Total of 1 flow:
Average throughput: 256.95 Mbit/s
95th percentile per-packet one-way delay: 63.666 ms
Loss rate: 0.38%
-- Flow 1:
Average throughput: 256.95 Mbit/s
95th percentile per-packet one-way delay: 63.666 ms
Loss rate: 0.38%

Run 5: Report of PCC-Vivace — Data Link



Run 1: Statistics of WebRTC media

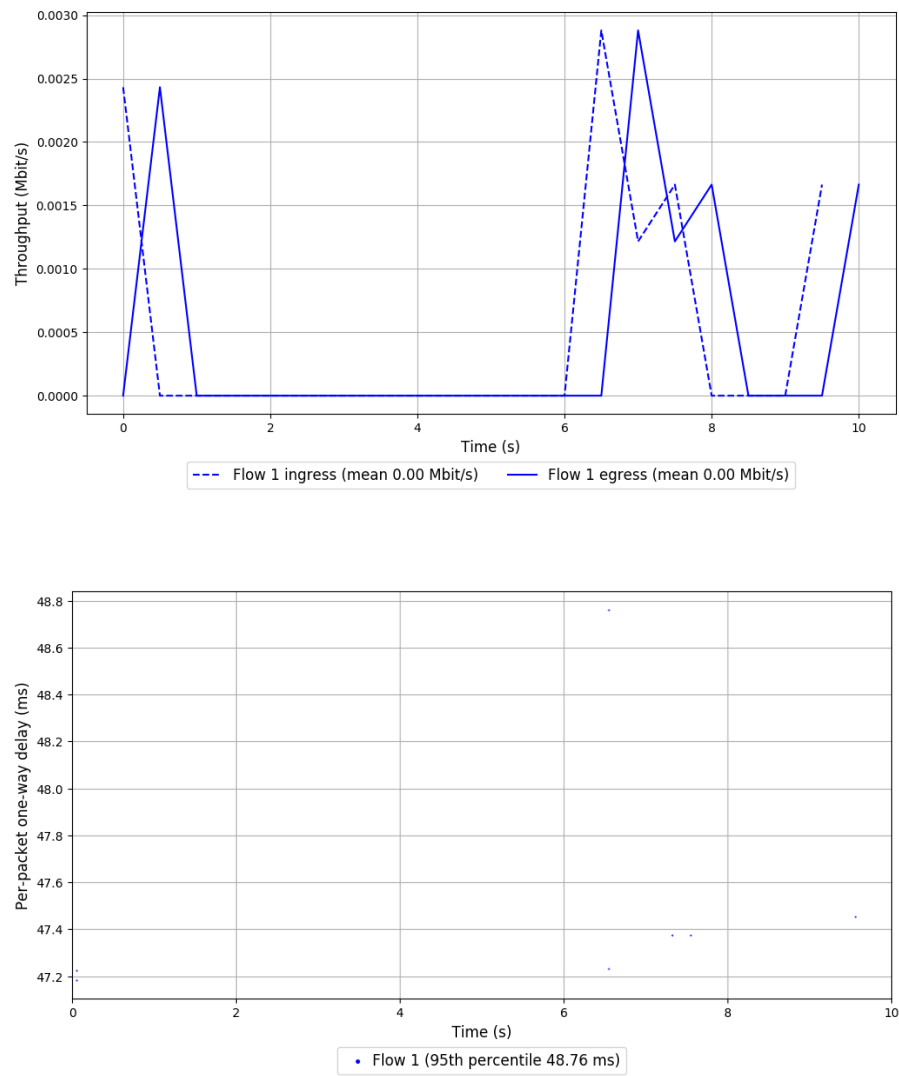
Start at: 2019-08-27 15:45:48

End at: 2019-08-27 15:46:19

Local clock offset: -0.152 ms

Remote clock offset: -0.053 ms

Run 1: Report of WebRTC media — Data Link



Run 2: Statistics of WebRTC media

Start at: 2019-08-27 16:19:56

End at: 2019-08-27 16:20:26

Local clock offset: 0.113 ms

Remote clock offset: 0.027 ms

Below is generated by plot.py at 2019-08-27 20:15:39

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.05 Mbit/s

95th percentile per-packet one-way delay: 49.456 ms

Loss rate: 0.00%

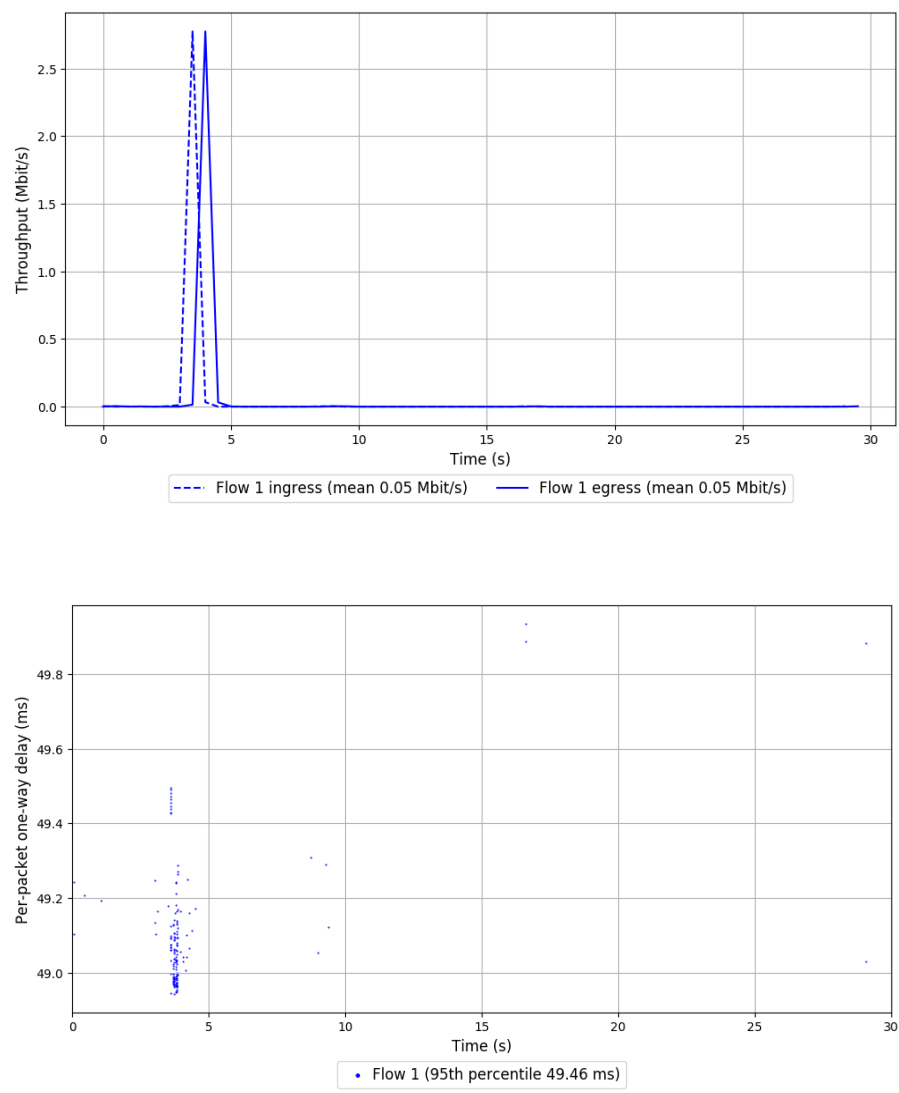
-- Flow 1:

Average throughput: 0.05 Mbit/s

95th percentile per-packet one-way delay: 49.456 ms

Loss rate: 0.00%

Run 2: Report of WebRTC media — Data Link



Run 3: Statistics of WebRTC media

Start at: 2019-08-27 16:54:09

End at: 2019-08-27 16:54:39

Local clock offset: -0.243 ms

Remote clock offset: 0.004 ms

Below is generated by plot.py at 2019-08-27 20:15:39

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.05 Mbit/s

95th percentile per-packet one-way delay: 48.932 ms

Loss rate: 0.00%

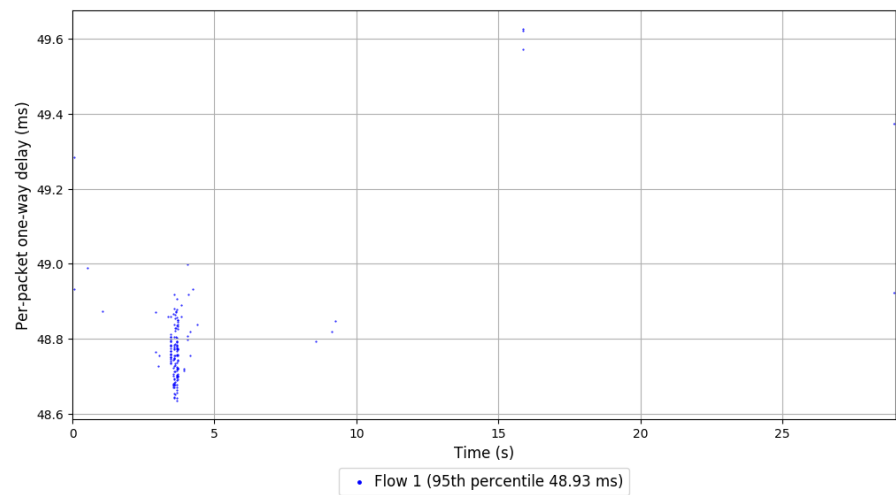
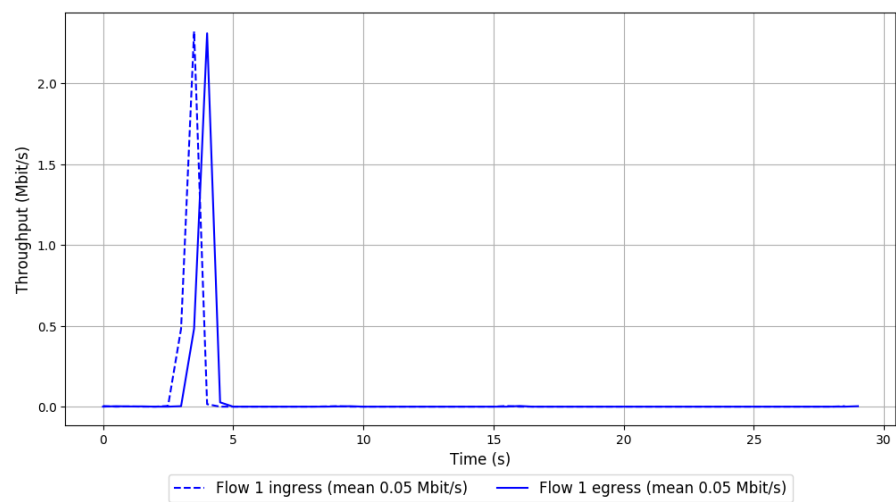
-- Flow 1:

Average throughput: 0.05 Mbit/s

95th percentile per-packet one-way delay: 48.932 ms

Loss rate: 0.00%

Run 3: Report of WebRTC media — Data Link



Run 4: Statistics of WebRTC media

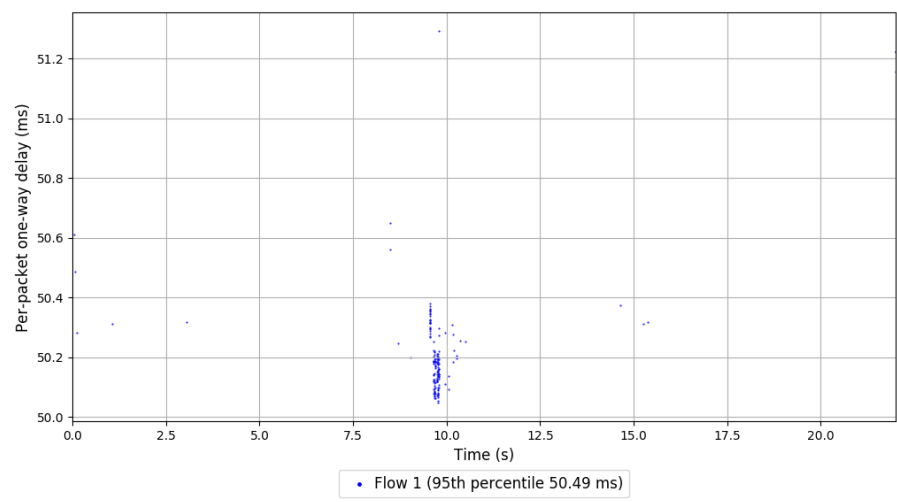
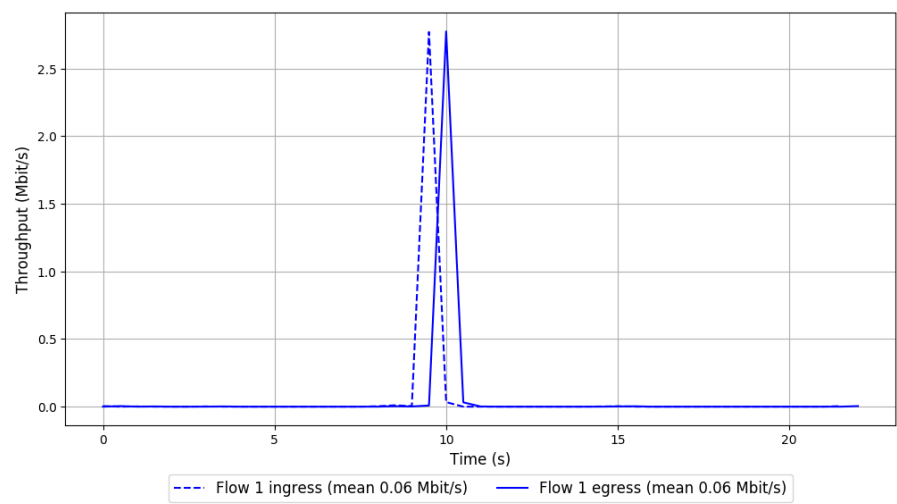
Start at: 2019-08-27 17:28:13

End at: 2019-08-27 17:28:43

Local clock offset: -0.306 ms

Remote clock offset: 0.018 ms

Run 4: Report of WebRTC media — Data Link



Run 5: Statistics of WebRTC media

Start at: 2019-08-27 18:02:20
End at: 2019-08-27 18:02:50
Local clock offset: -0.31 ms
Remote clock offset: -0.164 ms

Below is generated by plot.py at 2019-08-27 20:15:39
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 47.708 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 47.708 ms
Loss rate: 0.00%

Run 5: Report of WebRTC media — Data Link

