

Pantheon Report

Generated at 2019-07-18 07:49:36 (UTC).

Data path: Mexico on **em1** (*remote*) → AWS California 2 on **ens5** (*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.stanford.edu** and have been applied to correct the timestamps in logs.

System info:

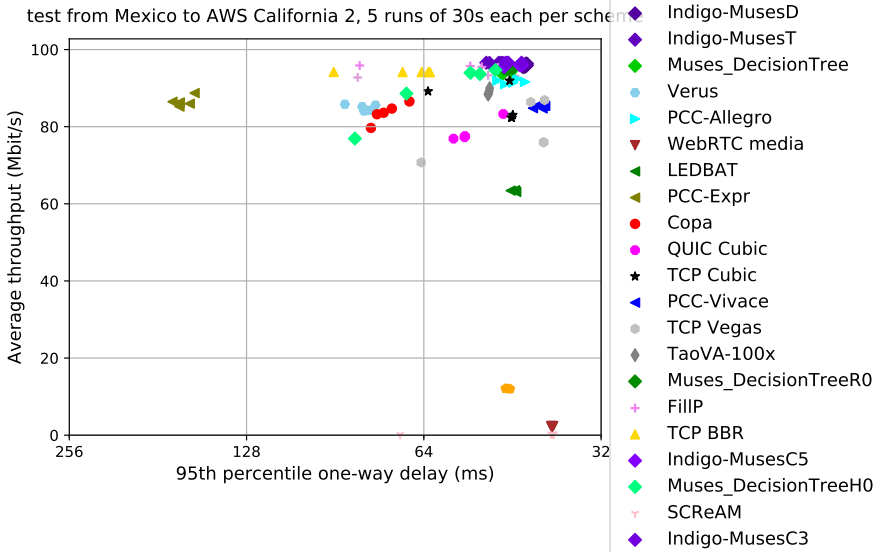
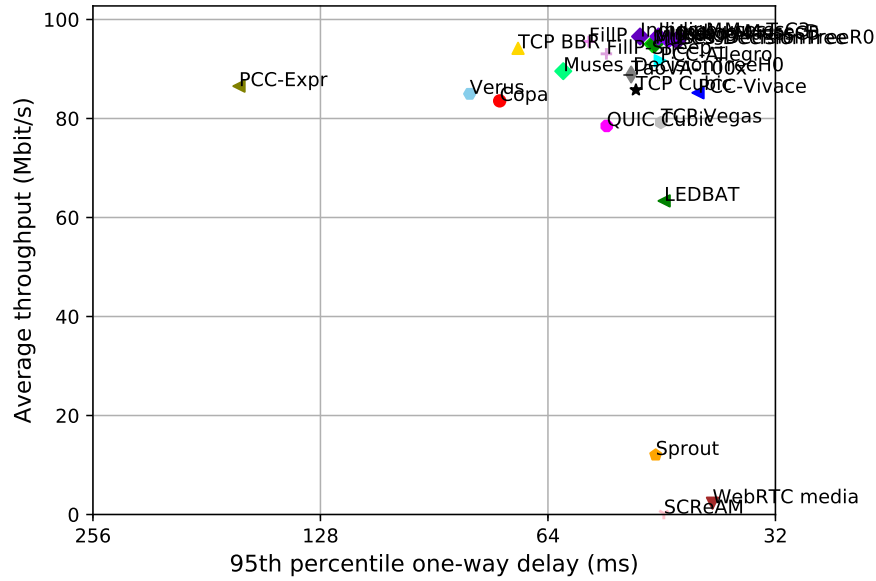
```
Linux 4.15.0-1043-aws
net.core.default_qdisc = fq
net.core.rmem_default = 16777216
net.core.rmem_max = 536870912
net.core.wmem_default = 16777216
net.core.wmem_max = 536870912
net.ipv4.tcp_rmem = 4096 16777216 536870912
net.ipv4.tcp_wmem = 4096 16777216 536870912
```

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 Mexico to AWS California 2, 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	94.17	70.10	0.98
Copa	5	83.56	74.14	0.27
TCP Cubic	5	85.76	48.95	0.27
FillP	5	95.54	56.48	0.55
FillP-Sheep	5	93.06	53.56	0.30
Indigo	5	95.67	43.16	0.23
Indigo-MusesC3	5	96.57	45.71	0.24
Indigo-MusesC5	5	95.94	44.35	0.24
Indigo-MusesD	5	96.24	42.99	0.24
Indigo-MusesT	5	96.56	48.34	0.90
LEDBAT	5	63.35	44.92	0.20
Muses_DecisionTree	5	95.03	46.53	0.53
Muses_DecisionTreeH0	5	89.56	61.08	1.05
Muses_DecisionTreeR0	5	95.13	46.19	0.29
PCC-Allegro	5	91.67	45.45	0.29
PCC-Expr	5	86.54	164.05	0.33
QUIC Cubic	5	78.50	53.51	0.18
SCReAM	5	0.20	44.96	0.40
Sprout	5	12.03	46.09	0.23
TaoVA-100x	5	88.88	49.67	0.23
TCP Vegas	5	79.19	45.37	0.27
Verus	5	84.98	81.23	0.43
PCC-Vivace	5	85.19	40.52	0.23
WebRTC media	5	2.28	38.77	0.24

Run 1: Statistics of TCP BBR

Start at: 2019-07-18 04:51:13

End at: 2019-07-18 04:51:43

Local clock offset: 0.257 ms

Remote clock offset: -2.671 ms

Below is generated by plot.py at 2019-07-18 07:35:32

Datalink statistics

-- Total of 1 flow:

Average throughput: 94.17 Mbit/s

95th percentile per-packet one-way delay: 69.537 ms

Loss rate: 1.28%

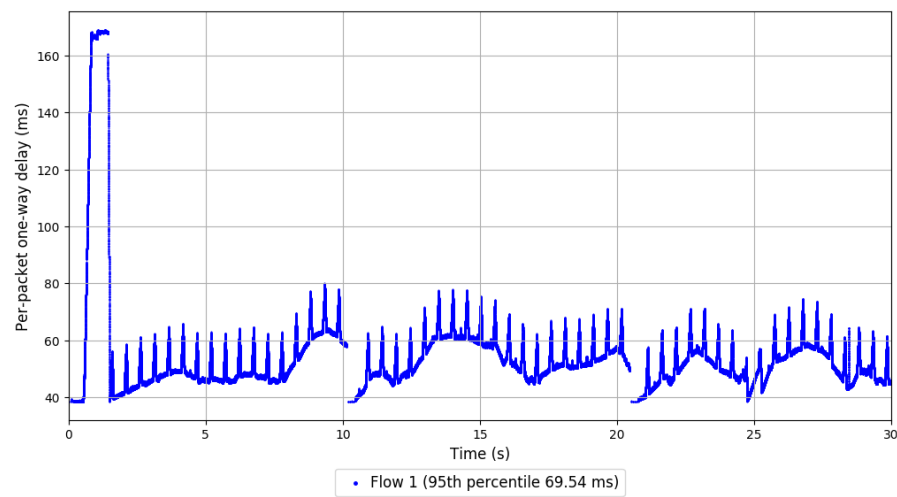
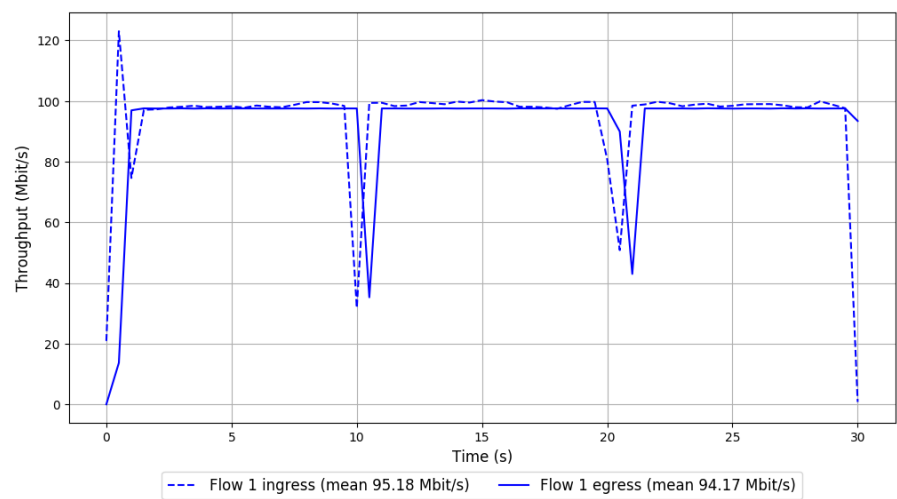
-- Flow 1:

Average throughput: 94.17 Mbit/s

95th percentile per-packet one-way delay: 69.537 ms

Loss rate: 1.28%

Run 1: Report of TCP BBR — Data Link



Run 2: Statistics of TCP BBR

Start at: 2019-07-18 05:32:45

End at: 2019-07-18 05:33:15

Local clock offset: 0.093 ms

Remote clock offset: -1.208 ms

Below is generated by plot.py at 2019-07-18 07:35:32

Datalink statistics

-- Total of 1 flow:

Average throughput: 94.19 Mbit/s

95th percentile per-packet one-way delay: 91.036 ms

Loss rate: 1.37%

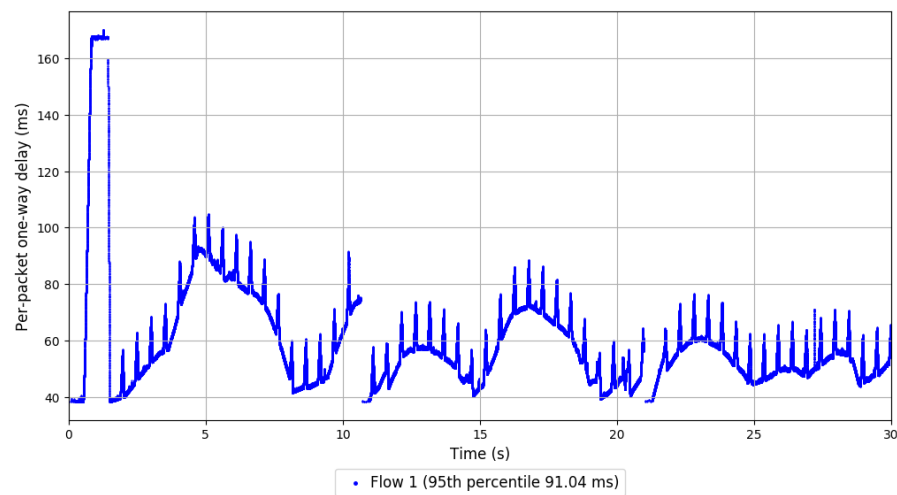
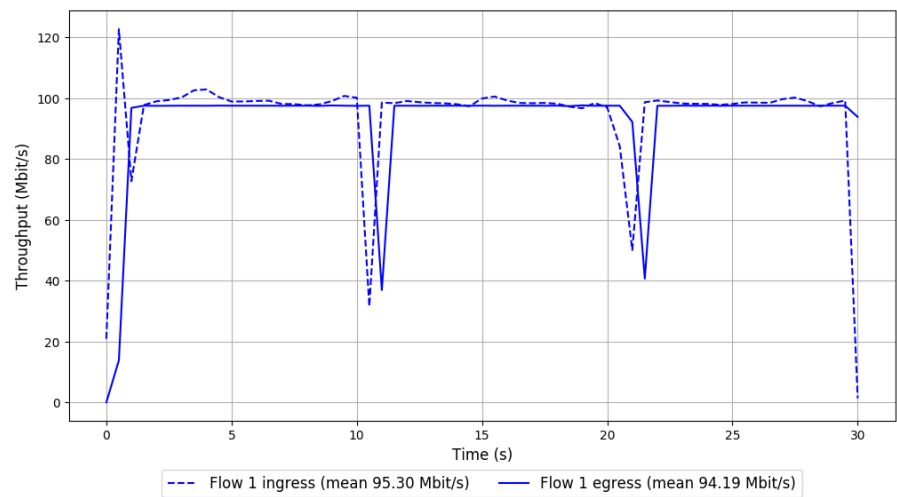
-- Flow 1:

Average throughput: 94.19 Mbit/s

95th percentile per-packet one-way delay: 91.036 ms

Loss rate: 1.37%

Run 2: Report of TCP BBR — Data Link

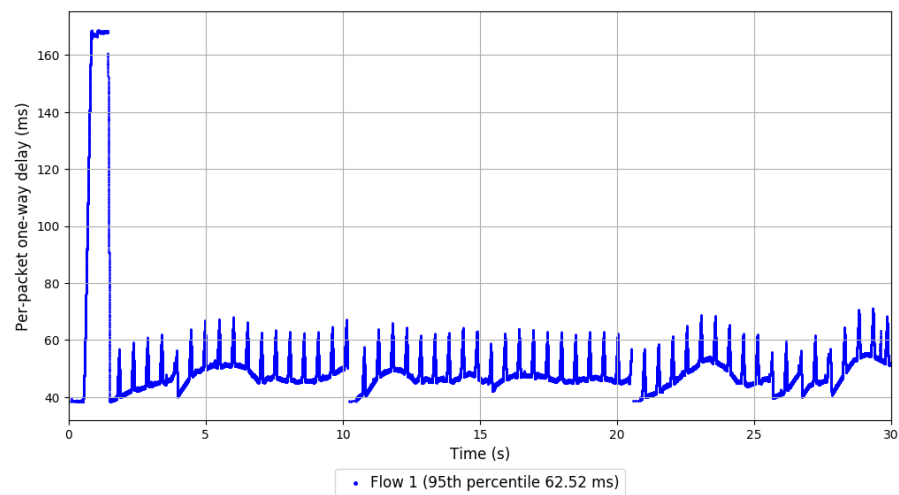
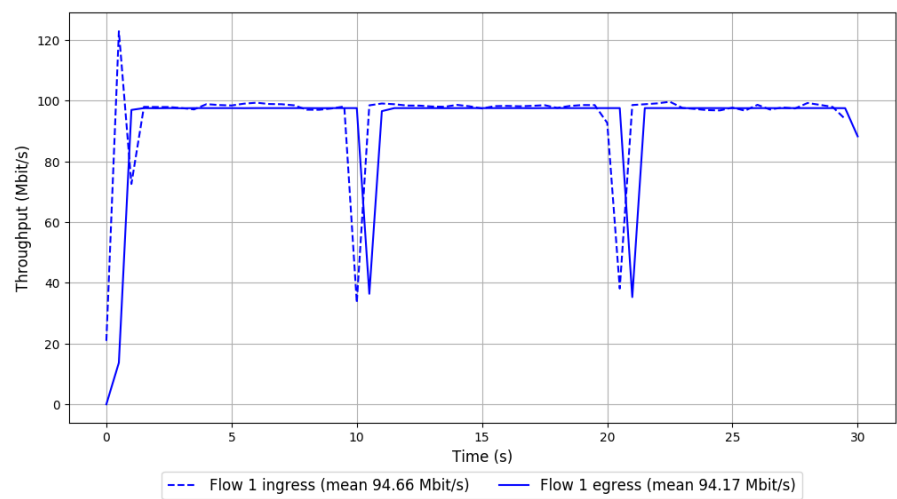


Run 3: Statistics of TCP BBR

Start at: 2019-07-18 06:05:10
End at: 2019-07-18 06:05:40
Local clock offset: -2.138 ms
Remote clock offset: -0.293 ms

Below is generated by plot.py at 2019-07-18 07:35:32
Datalink statistics
-- Total of 1 flow:
Average throughput: 94.17 Mbit/s
95th percentile per-packet one-way delay: 62.517 ms
Loss rate: 0.74%
-- Flow 1:
Average throughput: 94.17 Mbit/s
95th percentile per-packet one-way delay: 62.517 ms
Loss rate: 0.74%

Run 3: Report of TCP BBR — Data Link



Run 4: Statistics of TCP BBR

Start at: 2019-07-18 06:36:54

End at: 2019-07-18 06:37:24

Local clock offset: -3.237 ms

Remote clock offset: 0.415 ms

Below is generated by plot.py at 2019-07-18 07:35:32

Datalink statistics

-- Total of 1 flow:

Average throughput: 94.17 Mbit/s

95th percentile per-packet one-way delay: 64.519 ms

Loss rate: 0.72%

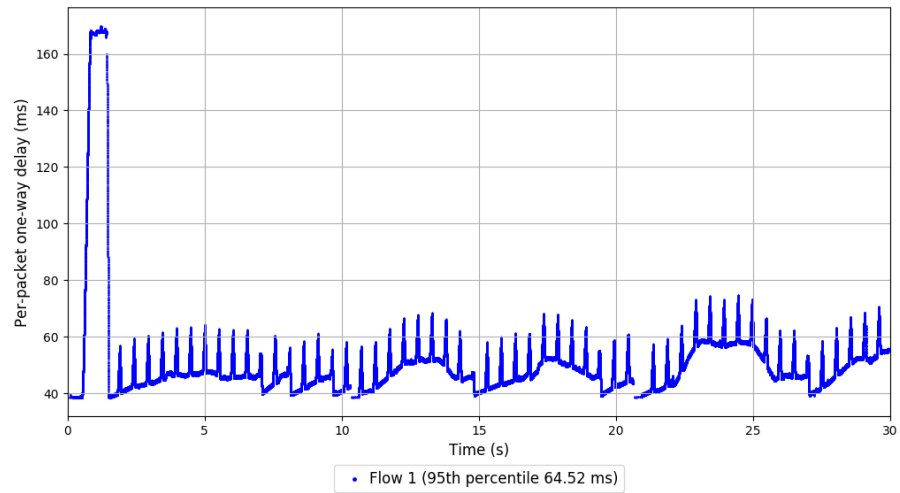
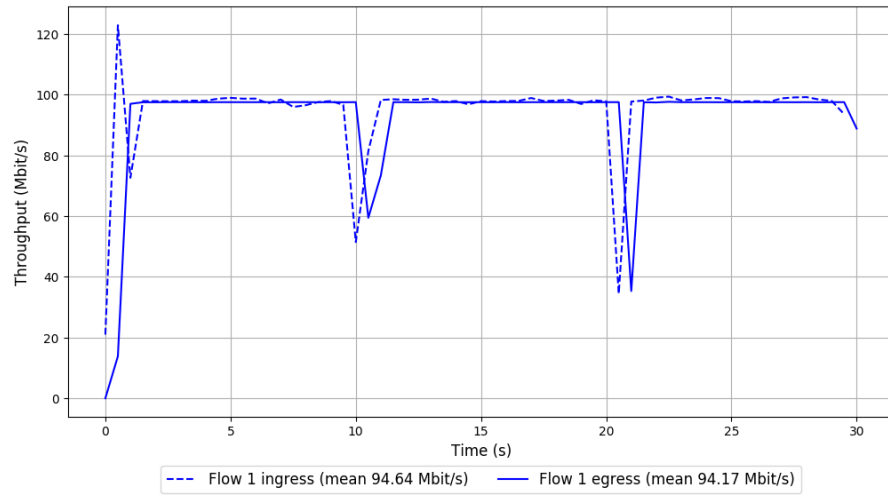
-- Flow 1:

Average throughput: 94.17 Mbit/s

95th percentile per-packet one-way delay: 64.519 ms

Loss rate: 0.72%

Run 4: Report of TCP BBR — Data Link



Run 5: Statistics of TCP BBR

Start at: 2019-07-18 07:07:22

End at: 2019-07-18 07:07:52

Local clock offset: -3.062 ms

Remote clock offset: 0.907 ms

Below is generated by plot.py at 2019-07-18 07:35:32

Datalink statistics

-- Total of 1 flow:

Average throughput: 94.17 Mbit/s

95th percentile per-packet one-way delay: 62.893 ms

Loss rate: 0.78%

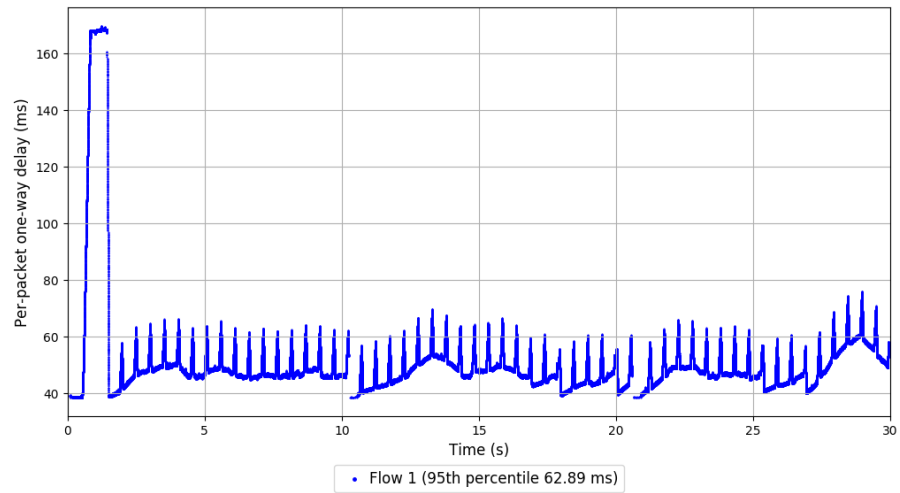
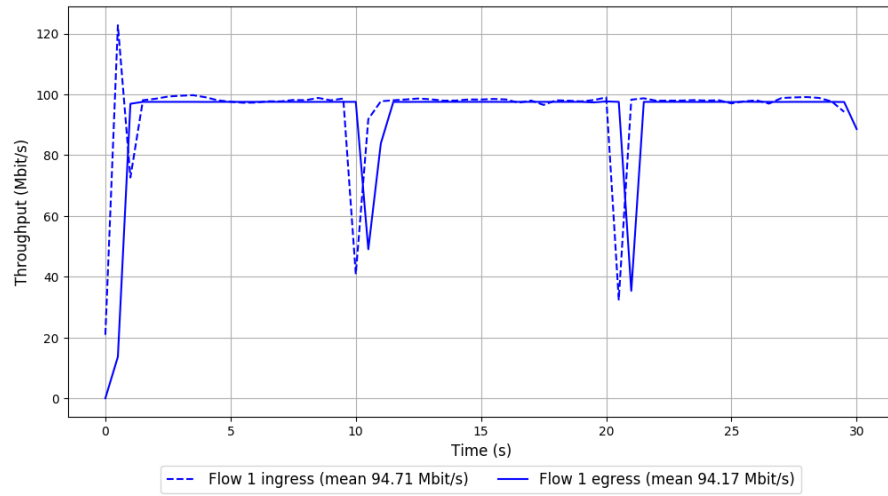
-- Flow 1:

Average throughput: 94.17 Mbit/s

95th percentile per-packet one-way delay: 62.893 ms

Loss rate: 0.78%

Run 5: Report of TCP BBR — Data Link

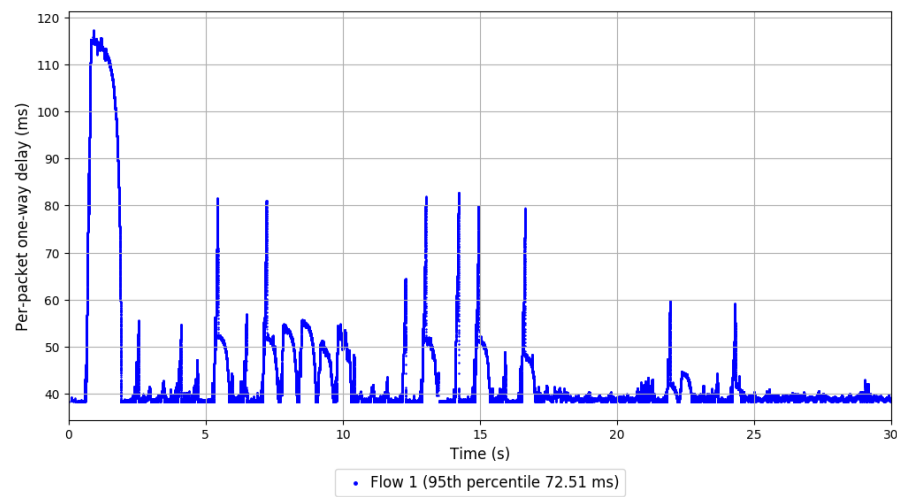
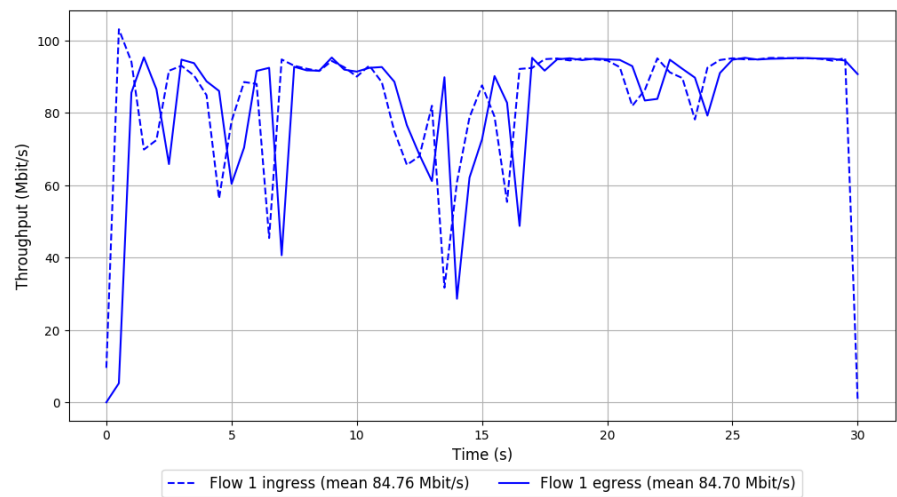


Run 1: Statistics of Copa

Start at: 2019-07-18 04:49:27
End at: 2019-07-18 04:49:57
Local clock offset: 0.227 ms
Remote clock offset: -2.663 ms

Below is generated by plot.py at 2019-07-18 07:36:20
Datalink statistics
-- Total of 1 flow:
Average throughput: 84.70 Mbit/s
95th percentile per-packet one-way delay: 72.514 ms
Loss rate: 0.28%
-- Flow 1:
Average throughput: 84.70 Mbit/s
95th percentile per-packet one-way delay: 72.514 ms
Loss rate: 0.28%

Run 1: Report of Copa — Data Link

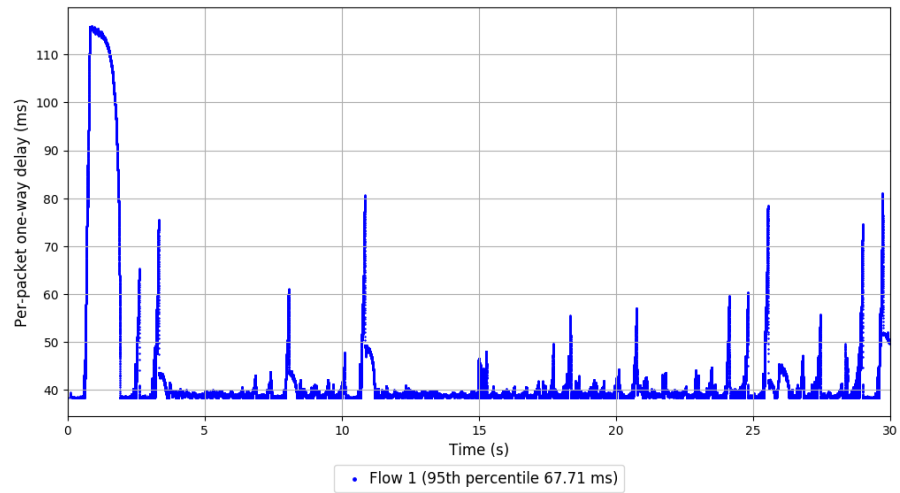
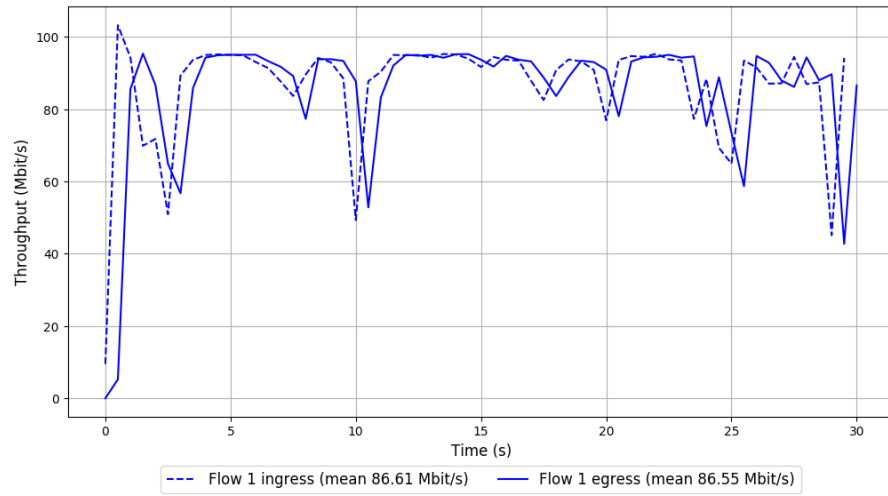


Run 2: Statistics of Copa

Start at: 2019-07-18 05:30:55
End at: 2019-07-18 05:31:25
Local clock offset: 0.105 ms
Remote clock offset: -1.232 ms

Below is generated by plot.py at 2019-07-18 07:36:22
Datalink statistics
-- Total of 1 flow:
Average throughput: 86.55 Mbit/s
95th percentile per-packet one-way delay: 67.711 ms
Loss rate: 0.28%
-- Flow 1:
Average throughput: 86.55 Mbit/s
95th percentile per-packet one-way delay: 67.711 ms
Loss rate: 0.28%

Run 2: Report of Copa — Data Link

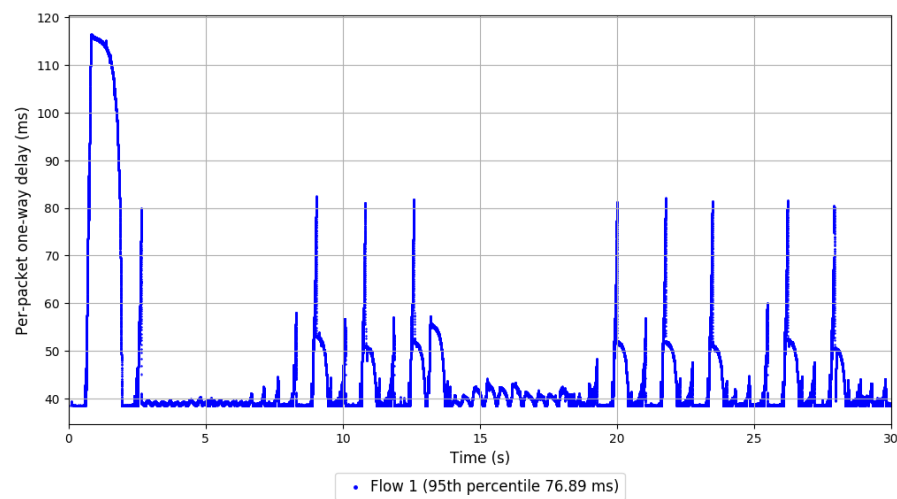
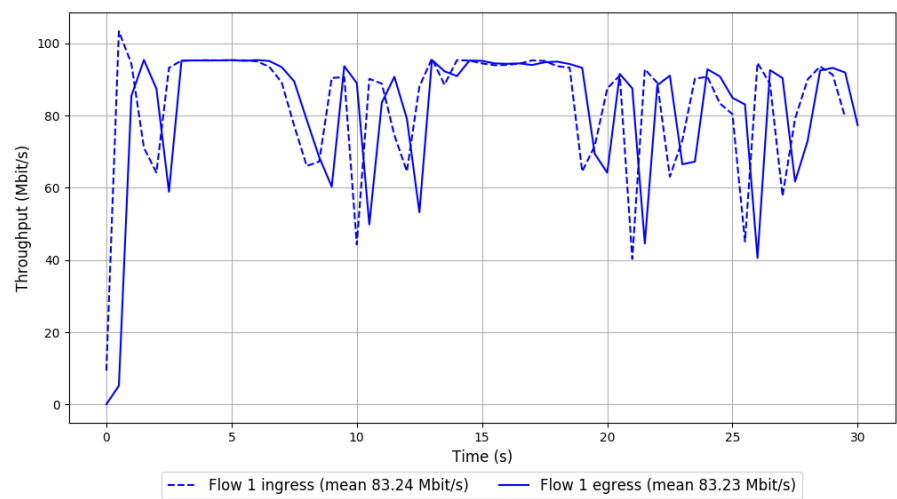


Run 3: Statistics of Copa

Start at: 2019-07-18 06:03:44
End at: 2019-07-18 06:04:14
Local clock offset: -1.993 ms
Remote clock offset: -0.398 ms

Below is generated by plot.py at 2019-07-18 07:36:22
Datalink statistics
-- Total of 1 flow:
Average throughput: 83.23 Mbit/s
95th percentile per-packet one-way delay: 76.886 ms
Loss rate: 0.22%
-- Flow 1:
Average throughput: 83.23 Mbit/s
95th percentile per-packet one-way delay: 76.886 ms
Loss rate: 0.22%

Run 3: Report of Copa — Data Link



Run 4: Statistics of Copa

Start at: 2019-07-18 06:35:26

End at: 2019-07-18 06:35:56

Local clock offset: -3.195 ms

Remote clock offset: 0.38 ms

Below is generated by plot.py at 2019-07-18 07:37:16

Datalink statistics

-- Total of 1 flow:

Average throughput: 83.62 Mbit/s

95th percentile per-packet one-way delay: 74.879 ms

Loss rate: 0.28%

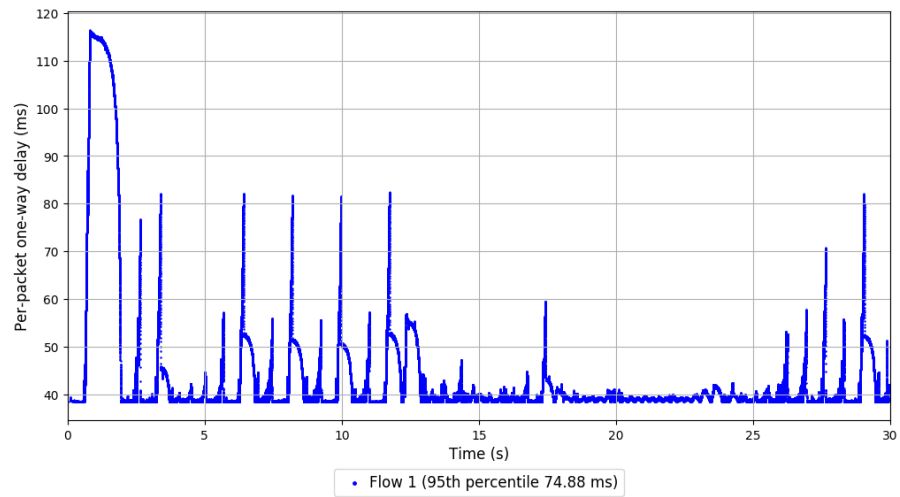
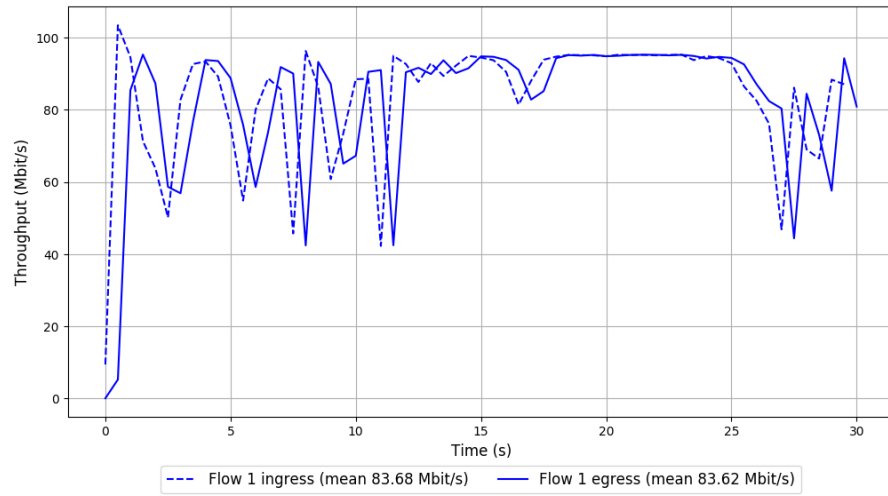
-- Flow 1:

Average throughput: 83.62 Mbit/s

95th percentile per-packet one-way delay: 74.879 ms

Loss rate: 0.28%

Run 4: Report of Copa — Data Link

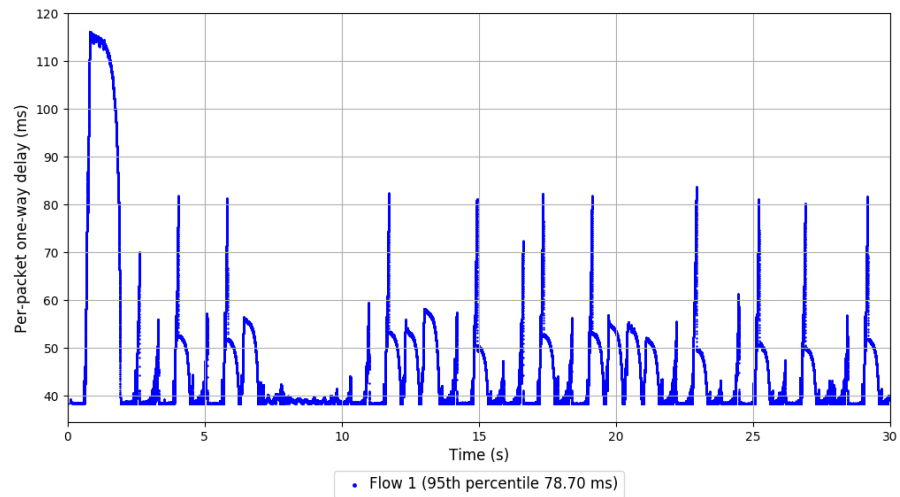
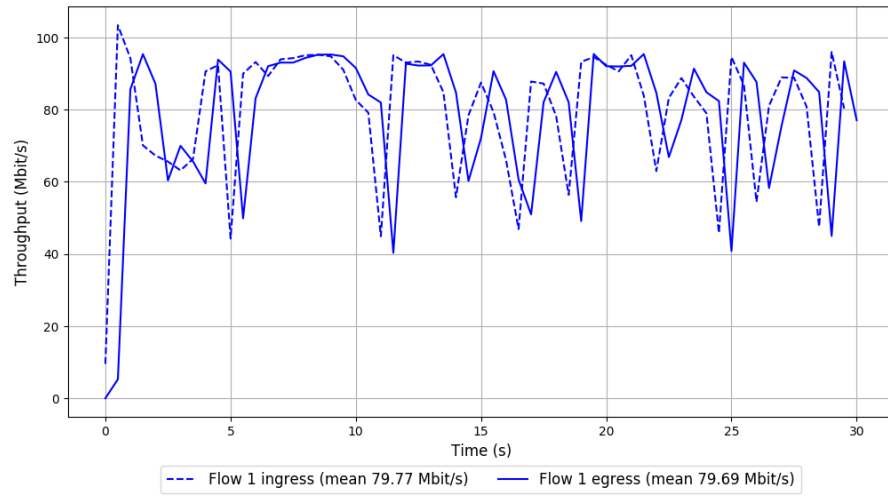


Run 5: Statistics of Copa

Start at: 2019-07-18 07:06:02
End at: 2019-07-18 07:06:32
Local clock offset: -3.074 ms
Remote clock offset: 0.992 ms

Below is generated by plot.py at 2019-07-18 07:37:16
Datalink statistics
-- Total of 1 flow:
Average throughput: 79.69 Mbit/s
95th percentile per-packet one-way delay: 78.704 ms
Loss rate: 0.31%
-- Flow 1:
Average throughput: 79.69 Mbit/s
95th percentile per-packet one-way delay: 78.704 ms
Loss rate: 0.31%

Run 5: Report of Copa — Data Link

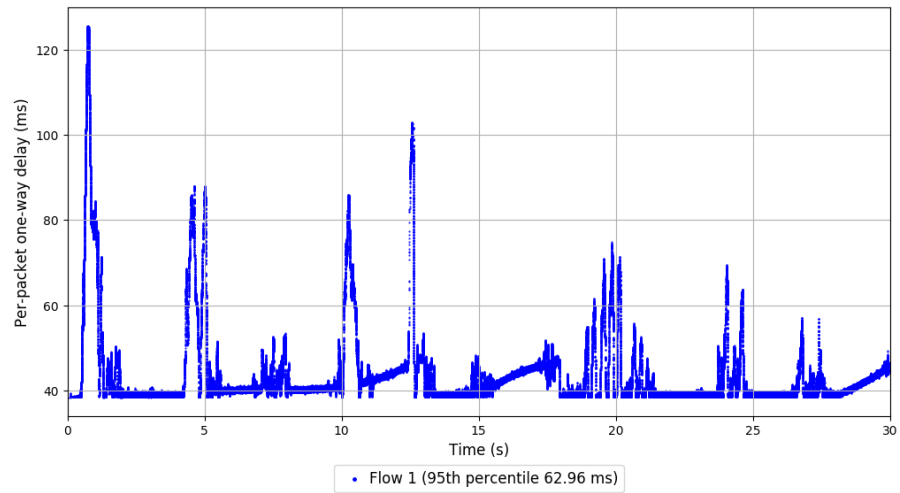
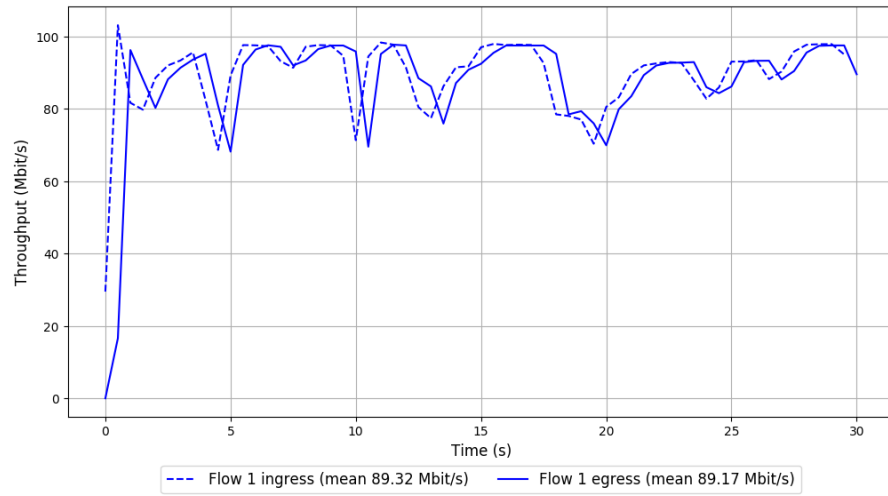


Run 1: Statistics of TCP Cubic

Start at: 2019-07-18 05:03:01
End at: 2019-07-18 05:03:31
Local clock offset: 0.22 ms
Remote clock offset: -2.166 ms

Below is generated by plot.py at 2019-07-18 07:37:16
Datalink statistics
-- Total of 1 flow:
Average throughput: 89.17 Mbit/s
95th percentile per-packet one-way delay: 62.957 ms
Loss rate: 0.38%
-- Flow 1:
Average throughput: 89.17 Mbit/s
95th percentile per-packet one-way delay: 62.957 ms
Loss rate: 0.38%

Run 1: Report of TCP Cubic — Data Link

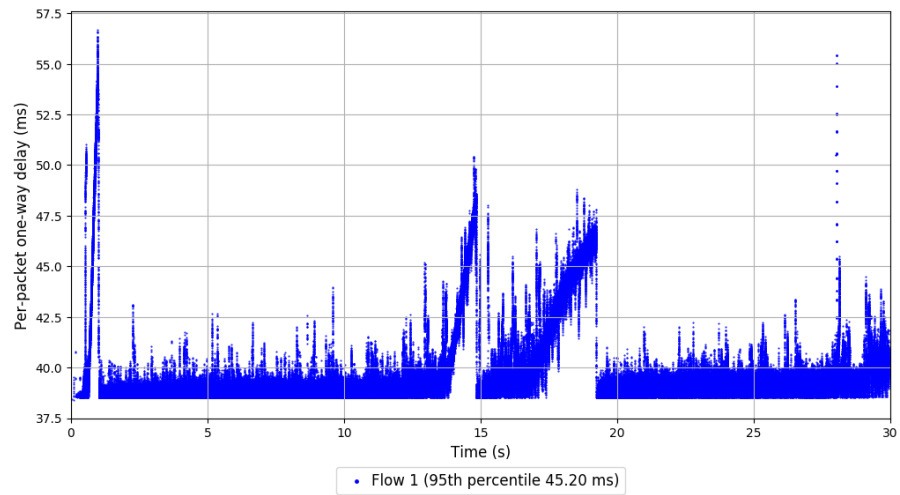
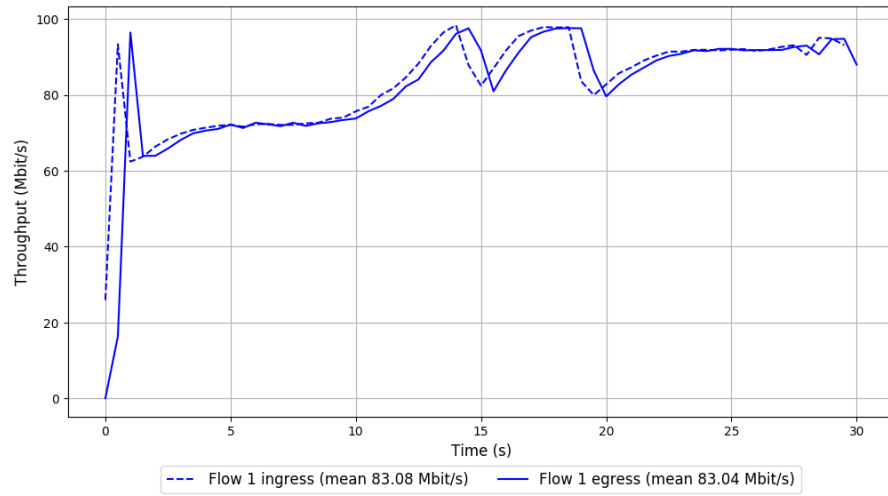


Run 2: Statistics of TCP Cubic

Start at: 2019-07-18 05:42:19
End at: 2019-07-18 05:42:49
Local clock offset: 0.001 ms
Remote clock offset: -0.908 ms

Below is generated by plot.py at 2019-07-18 07:37:16
Datalink statistics
-- Total of 1 flow:
Average throughput: 83.04 Mbit/s
95th percentile per-packet one-way delay: 45.205 ms
Loss rate: 0.26%
-- Flow 1:
Average throughput: 83.04 Mbit/s
95th percentile per-packet one-way delay: 45.205 ms
Loss rate: 0.26%

Run 2: Report of TCP Cubic — Data Link

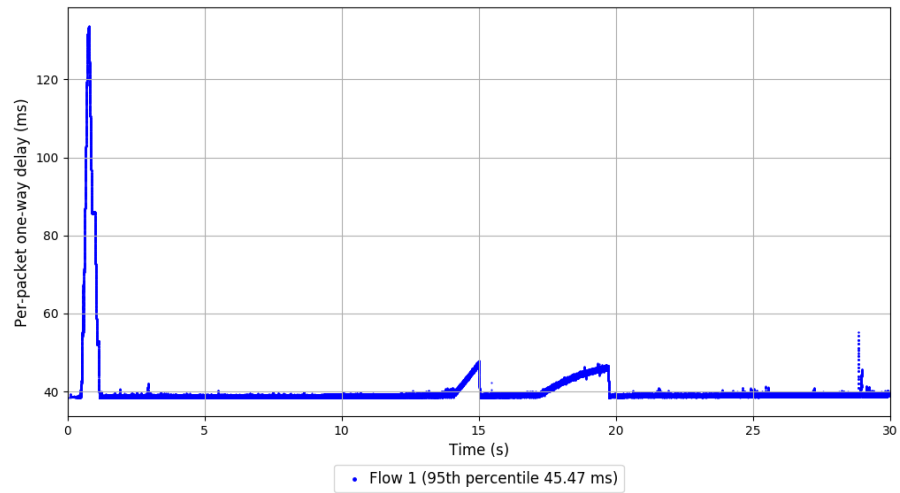
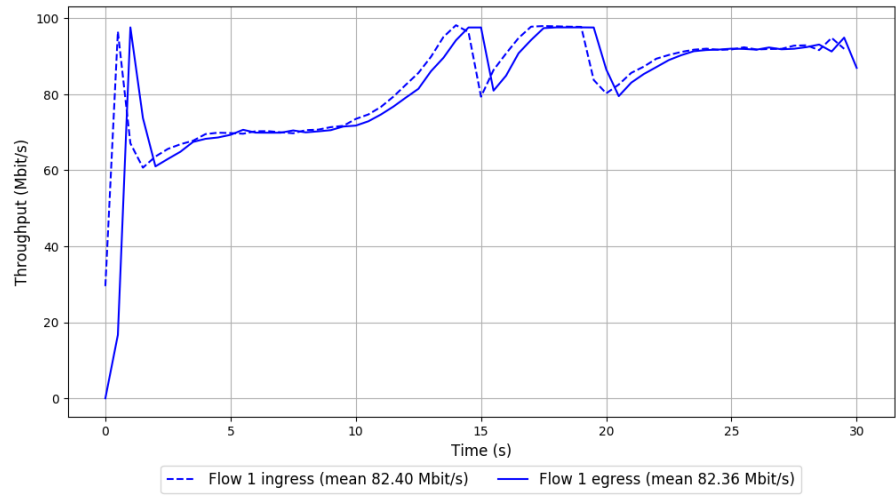


Run 3: Statistics of TCP Cubic

Start at: 2019-07-18 06:14:34
End at: 2019-07-18 06:15:04
Local clock offset: -2.727 ms
Remote clock offset: -0.066 ms

Below is generated by plot.py at 2019-07-18 07:37:16
Datalink statistics
-- Total of 1 flow:
Average throughput: 82.36 Mbit/s
95th percentile per-packet one-way delay: 45.472 ms
Loss rate: 0.26%
-- Flow 1:
Average throughput: 82.36 Mbit/s
95th percentile per-packet one-way delay: 45.472 ms
Loss rate: 0.26%

Run 3: Report of TCP Cubic — Data Link



Run 4: Statistics of TCP Cubic

Start at: 2019-07-18 06:45:48

End at: 2019-07-18 06:46:18

Local clock offset: -3.468 ms

Remote clock offset: 0.616 ms

Below is generated by plot.py at 2019-07-18 07:37:16

Datalink statistics

-- Total of 1 flow:

Average throughput: 91.93 Mbit/s

95th percentile per-packet one-way delay: 45.767 ms

Loss rate: 0.19%

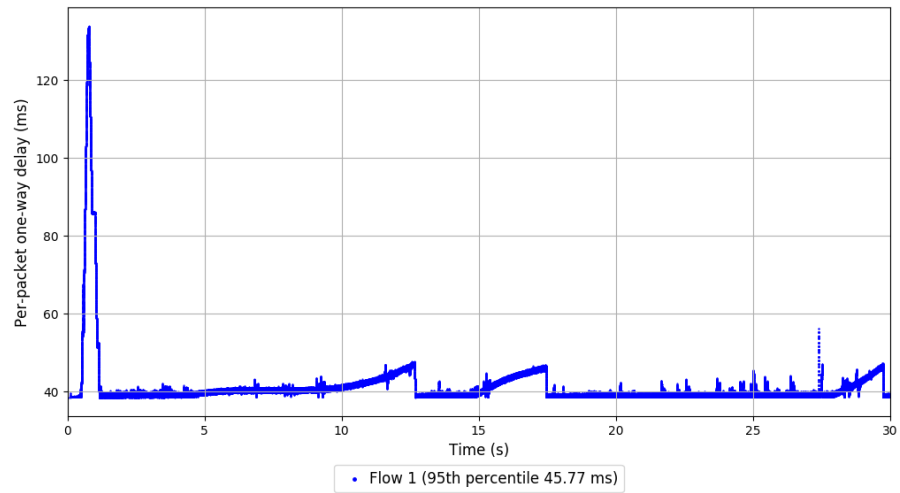
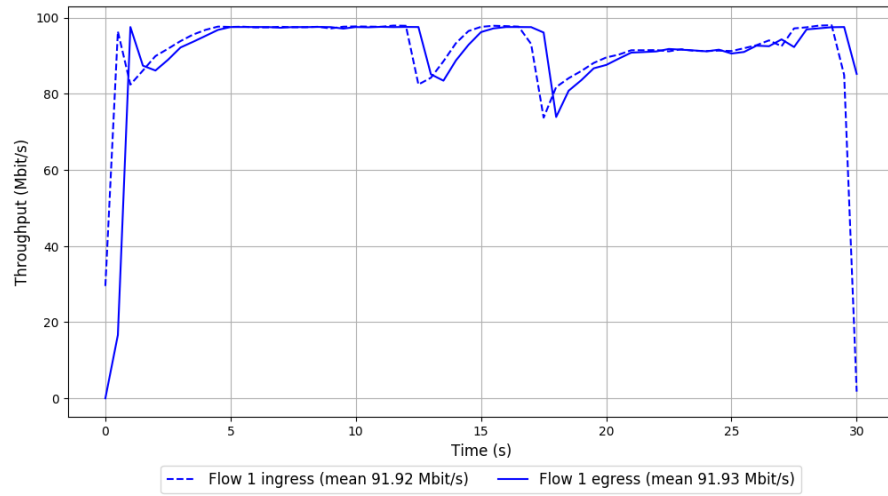
-- Flow 1:

Average throughput: 91.93 Mbit/s

95th percentile per-packet one-way delay: 45.767 ms

Loss rate: 0.19%

Run 4: Report of TCP Cubic — Data Link



Run 5: Statistics of TCP Cubic

Start at: 2019-07-18 07:16:11

End at: 2019-07-18 07:16:41

Local clock offset: -3.02 ms

Remote clock offset: 1.015 ms

Below is generated by plot.py at 2019-07-18 07:37:16

Datalink statistics

-- Total of 1 flow:

Average throughput: 82.32 Mbit/s

95th percentile per-packet one-way delay: 45.362 ms

Loss rate: 0.26%

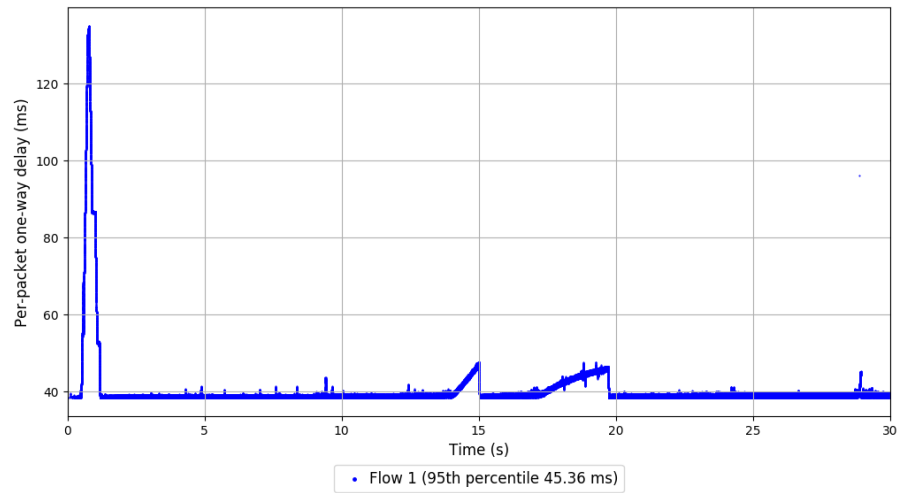
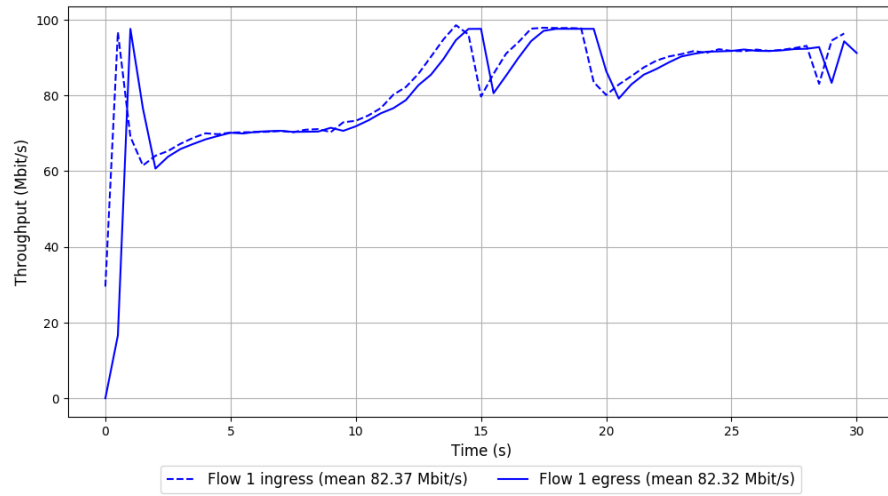
-- Flow 1:

Average throughput: 82.32 Mbit/s

95th percentile per-packet one-way delay: 45.362 ms

Loss rate: 0.26%

Run 5: Report of TCP Cubic — Data Link



Run 1: Statistics of FillP

Start at: 2019-07-18 04:52:56

End at: 2019-07-18 04:53:26

Local clock offset: 0.302 ms

Remote clock offset: -2.67 ms

Below is generated by plot.py at 2019-07-18 07:37:39

Datalink statistics

-- Total of 1 flow:

Average throughput: 95.72 Mbit/s

95th percentile per-packet one-way delay: 53.366 ms

Loss rate: 0.25%

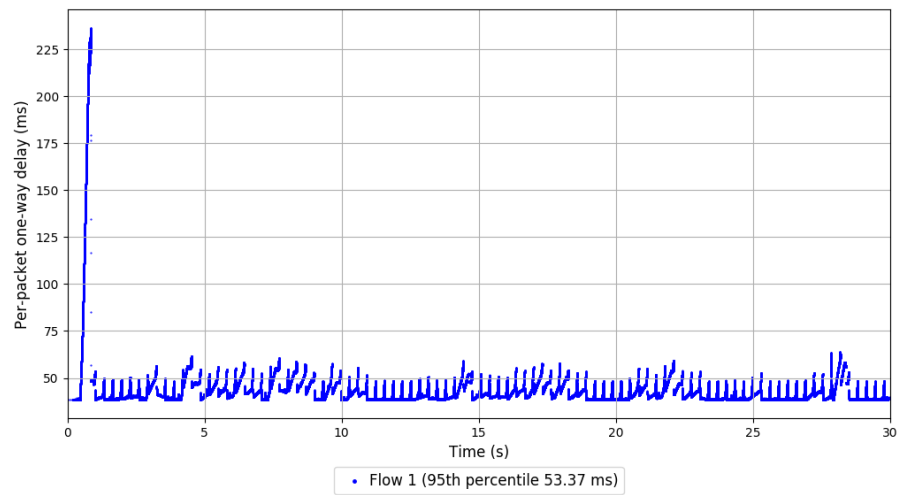
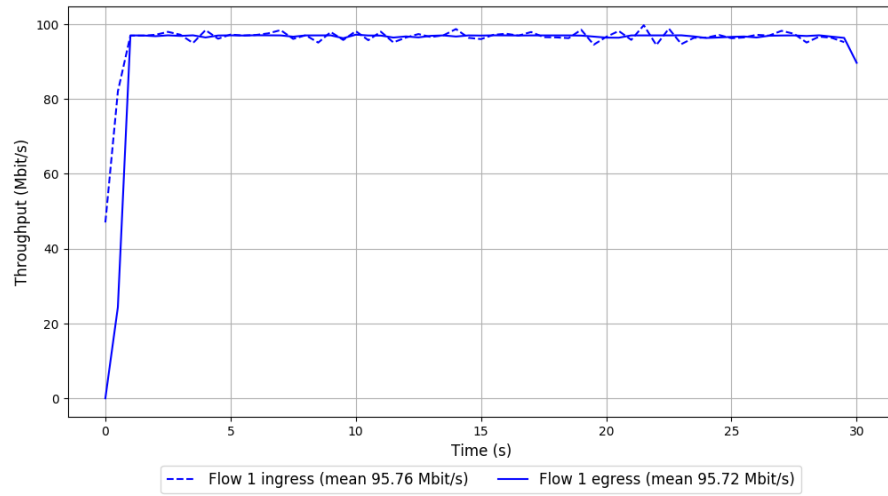
-- Flow 1:

Average throughput: 95.72 Mbit/s

95th percentile per-packet one-way delay: 53.366 ms

Loss rate: 0.25%

Run 1: Report of FillP — Data Link

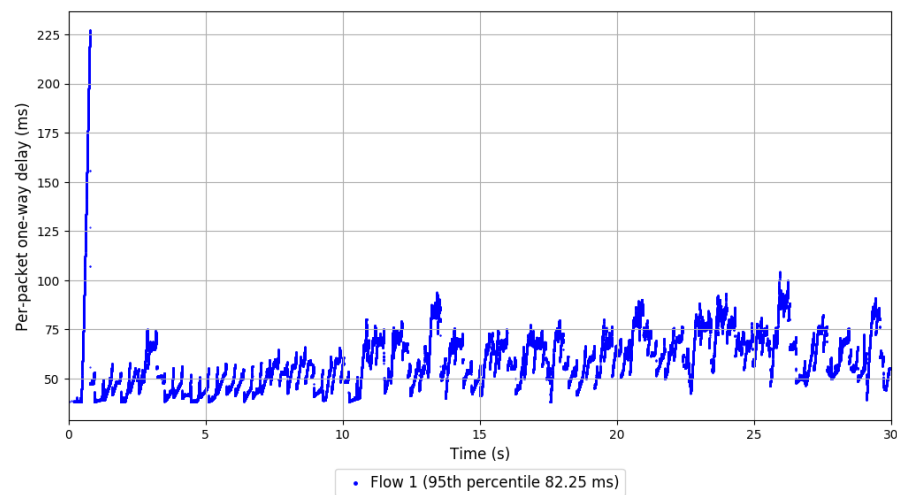
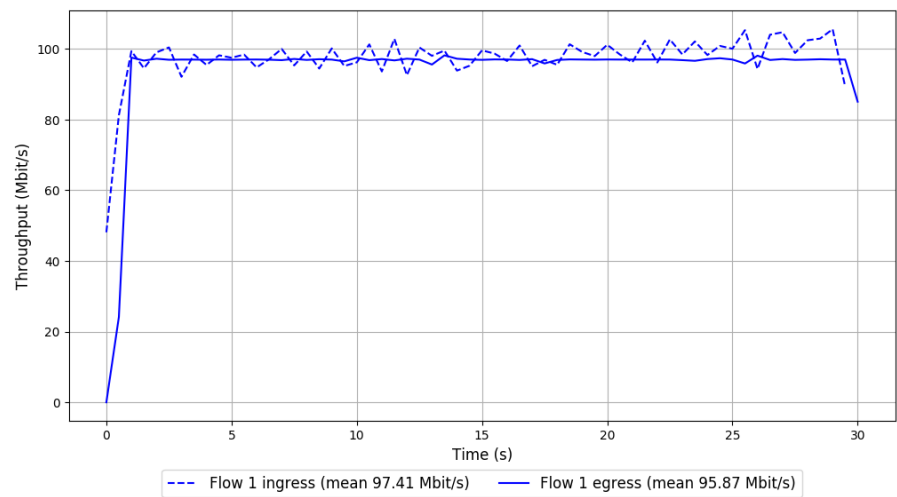


Run 2: Statistics of FillP

Start at: 2019-07-18 05:34:25
End at: 2019-07-18 05:34:55
Local clock offset: 0.059 ms
Remote clock offset: -1.127 ms

Below is generated by plot.py at 2019-07-18 07:37:42
Datalink statistics
-- Total of 1 flow:
Average throughput: 95.87 Mbit/s
95th percentile per-packet one-way delay: 82.254 ms
Loss rate: 1.79%
-- Flow 1:
Average throughput: 95.87 Mbit/s
95th percentile per-packet one-way delay: 82.254 ms
Loss rate: 1.79%

Run 2: Report of FillP — Data Link

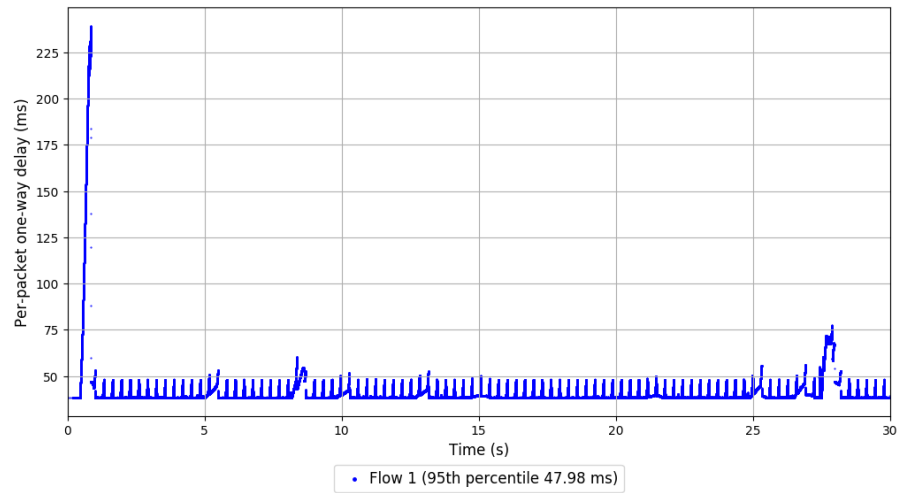
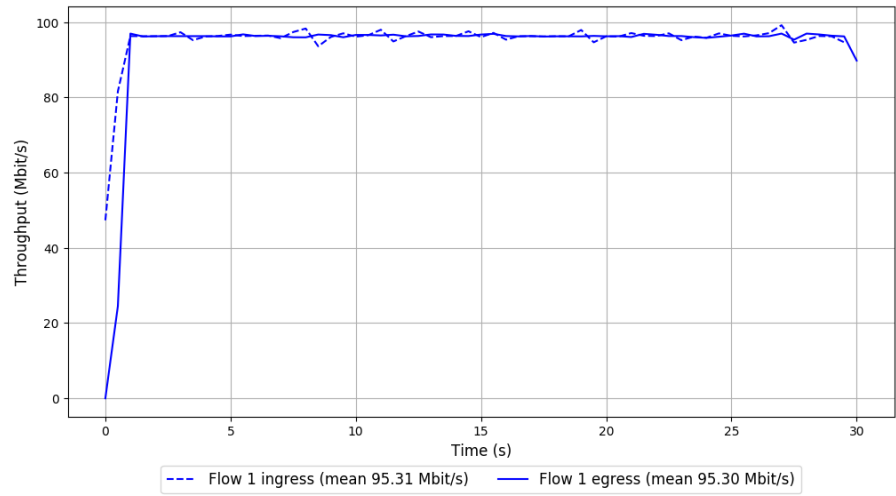


Run 3: Statistics of FillP

Start at: 2019-07-18 06:06:29
End at: 2019-07-18 06:06:59
Local clock offset: -2.262 ms
Remote clock offset: -0.268 ms

Below is generated by plot.py at 2019-07-18 07:37:42
Datalink statistics
-- Total of 1 flow:
Average throughput: 95.30 Mbit/s
95th percentile per-packet one-way delay: 47.979 ms
Loss rate: 0.22%
-- Flow 1:
Average throughput: 95.30 Mbit/s
95th percentile per-packet one-way delay: 47.979 ms
Loss rate: 0.22%

Run 3: Report of FillP — Data Link



Run 4: Statistics of FillP

Start at: 2019-07-18 06:38:10

End at: 2019-07-18 06:38:40

Local clock offset: -3.273 ms

Remote clock offset: 0.447 ms

Below is generated by plot.py at 2019-07-18 07:37:47

Datalink statistics

-- Total of 1 flow:

Average throughput: 95.29 Mbit/s

95th percentile per-packet one-way delay: 47.804 ms

Loss rate: 0.26%

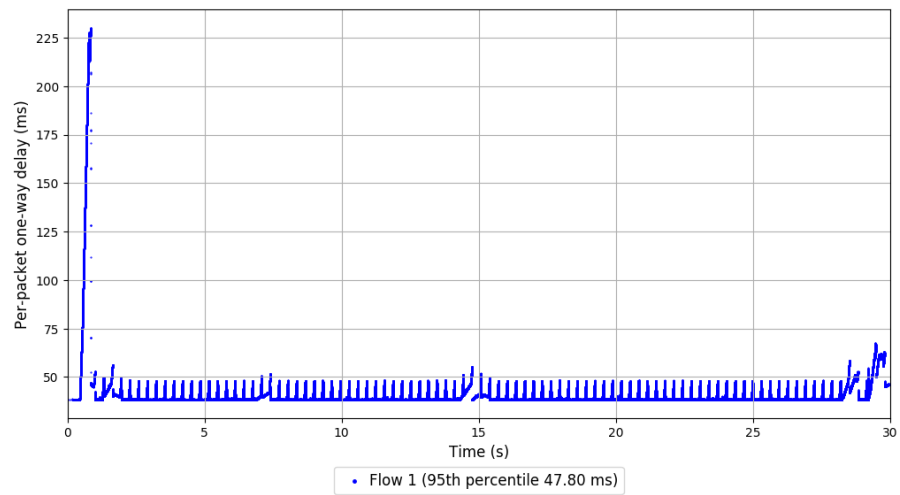
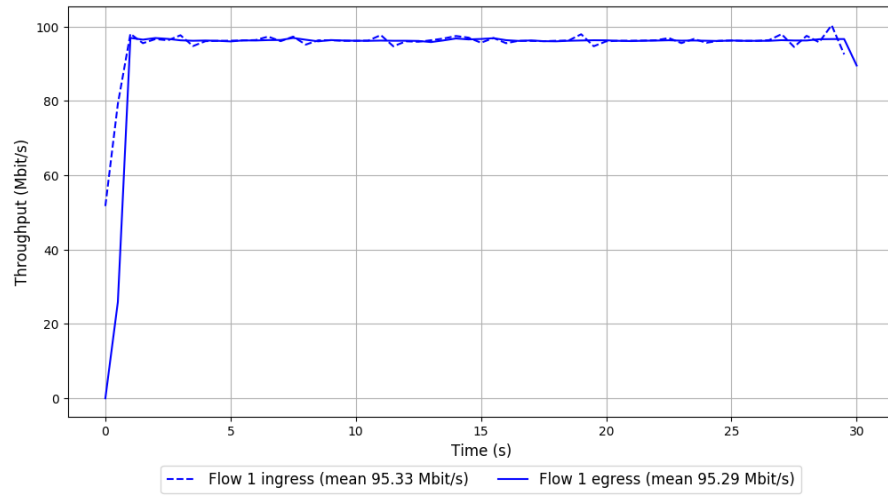
-- Flow 1:

Average throughput: 95.29 Mbit/s

95th percentile per-packet one-way delay: 47.804 ms

Loss rate: 0.26%

Run 4: Report of FillP — Data Link



Run 5: Statistics of FillP

Start at: 2019-07-18 07:08:38

End at: 2019-07-18 07:09:08

Local clock offset: -3.046 ms

Remote clock offset: 0.877 ms

Below is generated by plot.py at 2019-07-18 07:38:27

Datalink statistics

-- Total of 1 flow:

Average throughput: 95.52 Mbit/s

95th percentile per-packet one-way delay: 51.015 ms

Loss rate: 0.23%

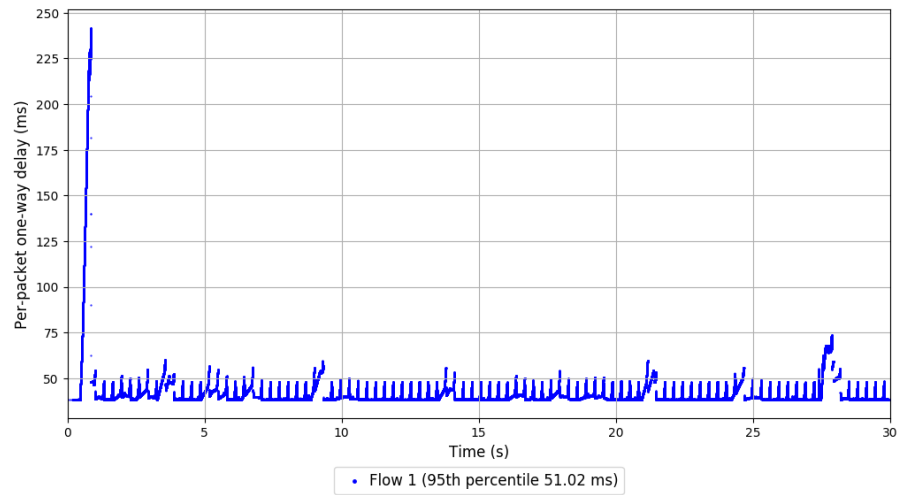
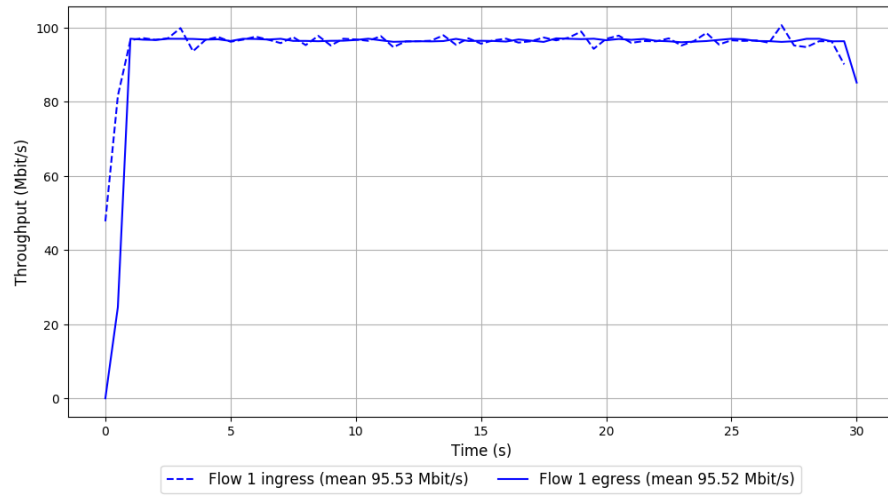
-- Flow 1:

Average throughput: 95.52 Mbit/s

95th percentile per-packet one-way delay: 51.015 ms

Loss rate: 0.23%

Run 5: Report of FillP — Data Link



Run 1: Statistics of FillP-Sheep

Start at: 2019-07-18 05:21:59

End at: 2019-07-18 05:22:29

Local clock offset: 0.18 ms

Remote clock offset: -1.397 ms

Below is generated by plot.py at 2019-07-18 07:38:27

Datalink statistics

-- Total of 1 flow:

Average throughput: 92.77 Mbit/s

95th percentile per-packet one-way delay: 82.875 ms

Loss rate: 0.51%

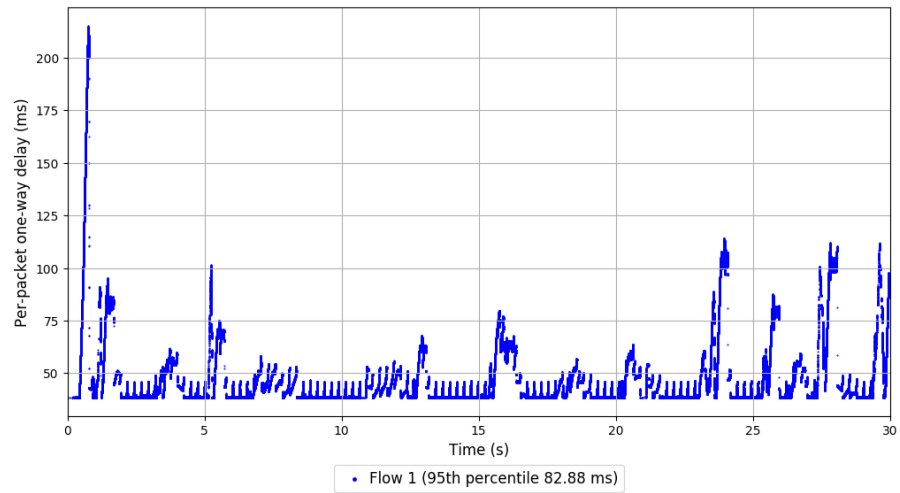
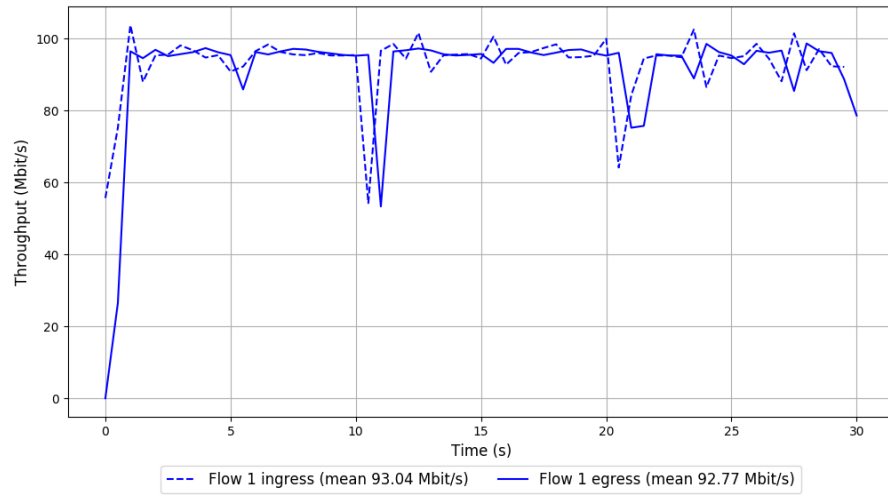
-- Flow 1:

Average throughput: 92.77 Mbit/s

95th percentile per-packet one-way delay: 82.875 ms

Loss rate: 0.51%

Run 1: Report of FillP-Sheep — Data Link

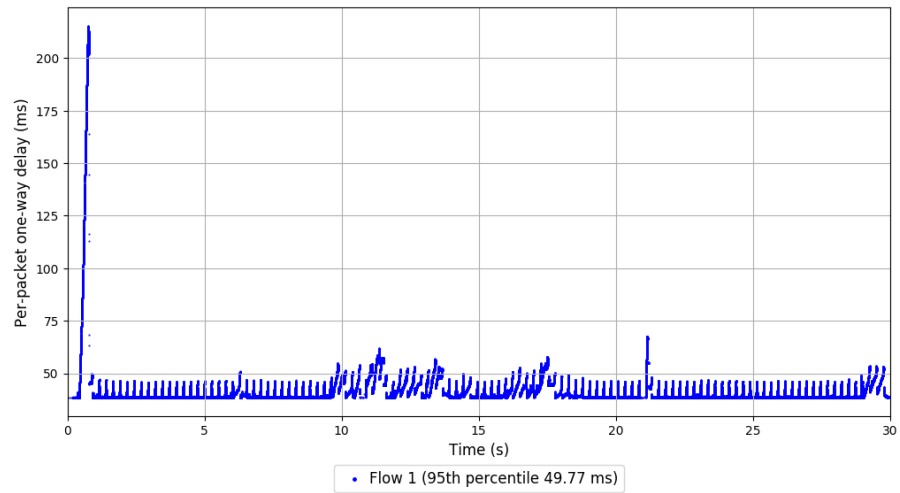
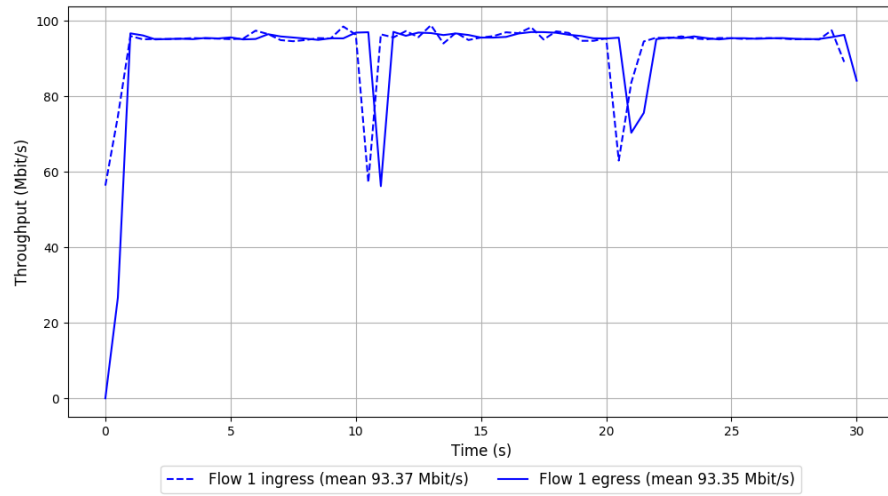


Run 2: Statistics of FillP-Sheep

Start at: 2019-07-18 05:55:32
End at: 2019-07-18 05:56:02
Local clock offset: -0.408 ms
Remote clock offset: -0.535 ms

Below is generated by plot.py at 2019-07-18 07:38:29
Datalink statistics
-- Total of 1 flow:
Average throughput: 93.35 Mbit/s
95th percentile per-packet one-way delay: 49.771 ms
Loss rate: 0.24%
-- Flow 1:
Average throughput: 93.35 Mbit/s
95th percentile per-packet one-way delay: 49.771 ms
Loss rate: 0.24%

Run 2: Report of FillP-Sheep — Data Link



Run 3: Statistics of FillP-Sheep

Start at: 2019-07-18 06:27:08

End at: 2019-07-18 06:27:38

Local clock offset: -3.013 ms

Remote clock offset: 0.359 ms

Below is generated by plot.py at 2019-07-18 07:38:29

Datalink statistics

-- Total of 1 flow:

Average throughput: 93.02 Mbit/s

95th percentile per-packet one-way delay: 45.334 ms

Loss rate: 0.22%

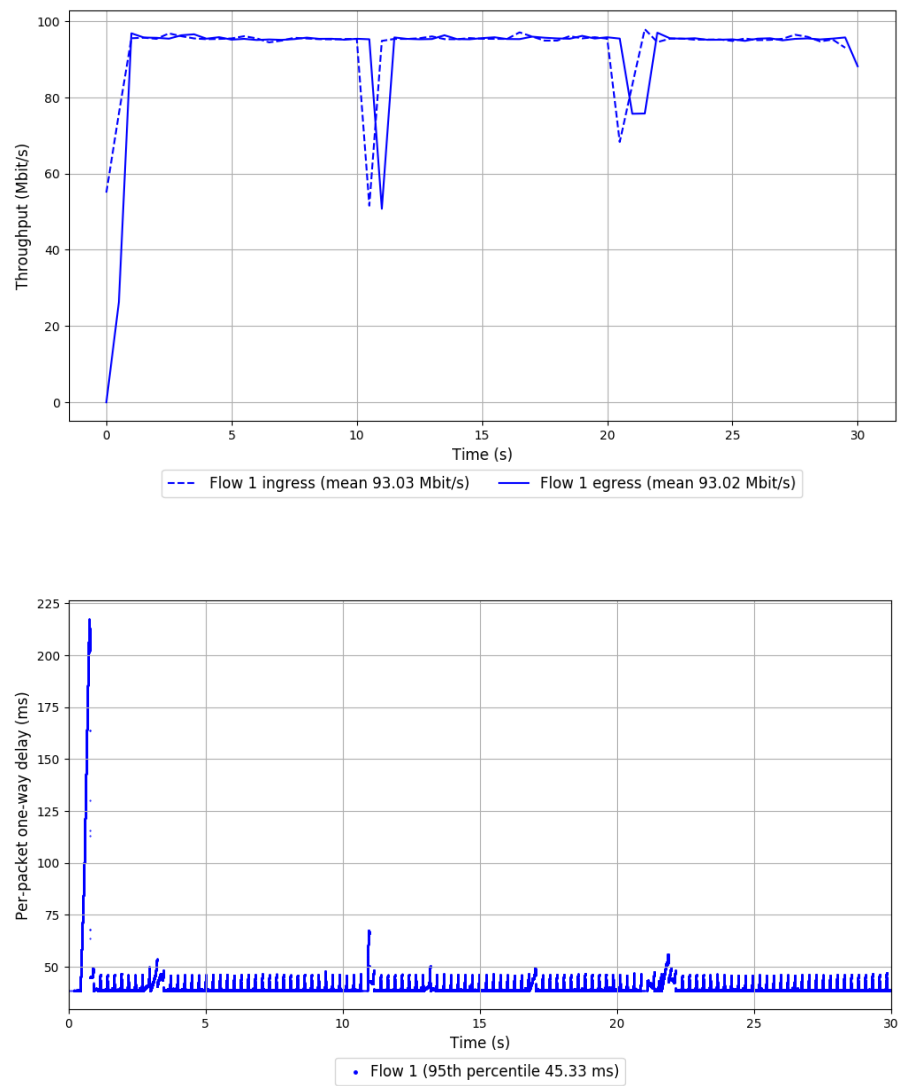
-- Flow 1:

Average throughput: 93.02 Mbit/s

95th percentile per-packet one-way delay: 45.334 ms

Loss rate: 0.22%

Run 3: Report of FillP-Sheep — Data Link



Run 4: Statistics of FillP-Sheep

Start at: 2019-07-18 06:58:16

End at: 2019-07-18 06:58:46

Local clock offset: -3.415 ms

Remote clock offset: 0.767 ms

Below is generated by plot.py at 2019-07-18 07:38:53

Datalink statistics

-- Total of 1 flow:

Average throughput: 92.98 Mbit/s

95th percentile per-packet one-way delay: 45.010 ms

Loss rate: 0.22%

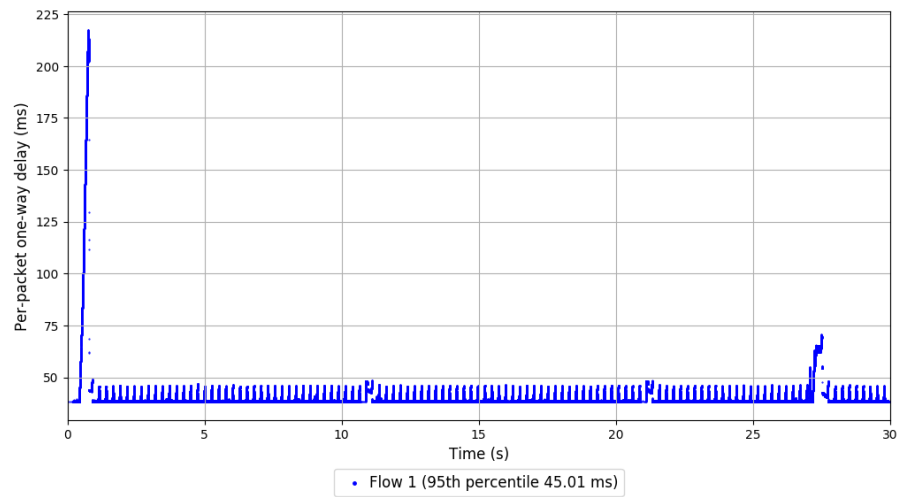
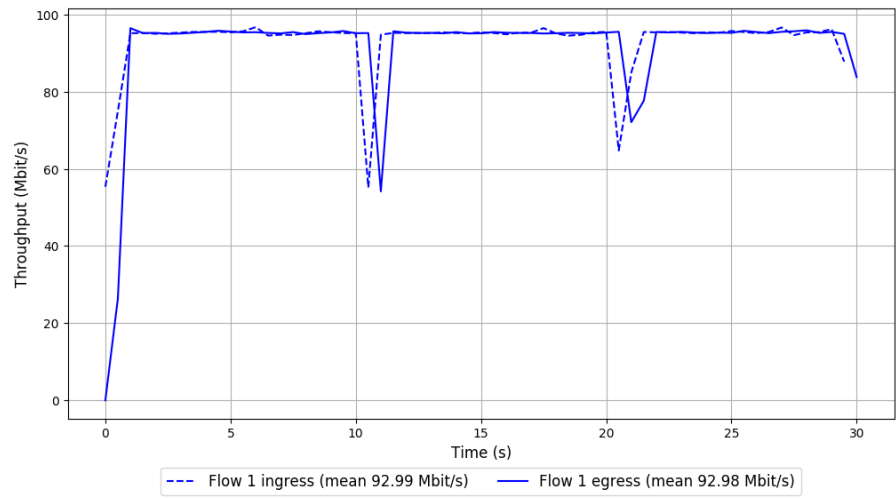
-- Flow 1:

Average throughput: 92.98 Mbit/s

95th percentile per-packet one-way delay: 45.010 ms

Loss rate: 0.22%

Run 4: Report of FillP-Sheep — Data Link



Run 5: Statistics of FillP-Sheep

Start at: 2019-07-18 07:28:57

End at: 2019-07-18 07:29:27

Local clock offset: -1.36 ms

Remote clock offset: 1.084 ms

Below is generated by plot.py at 2019-07-18 07:38:57

Datalink statistics

-- Total of 1 flow:

Average throughput: 93.18 Mbit/s

95th percentile per-packet one-way delay: 44.812 ms

Loss rate: 0.31%

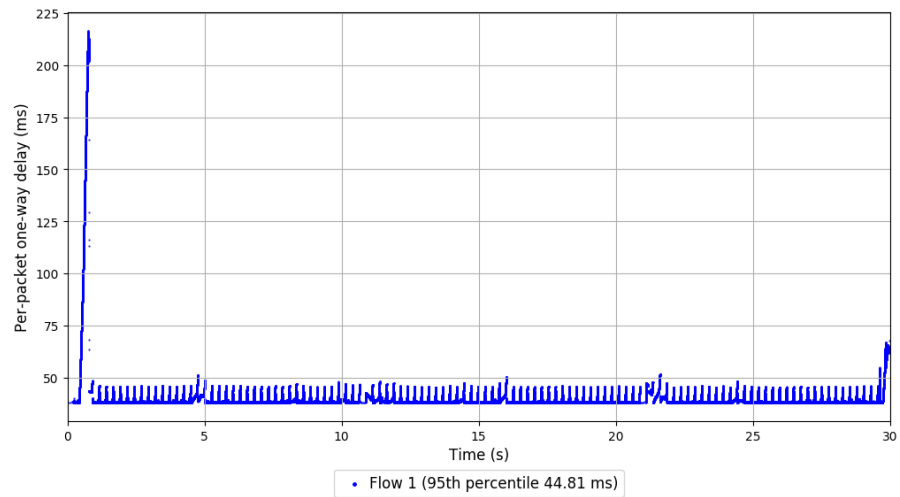
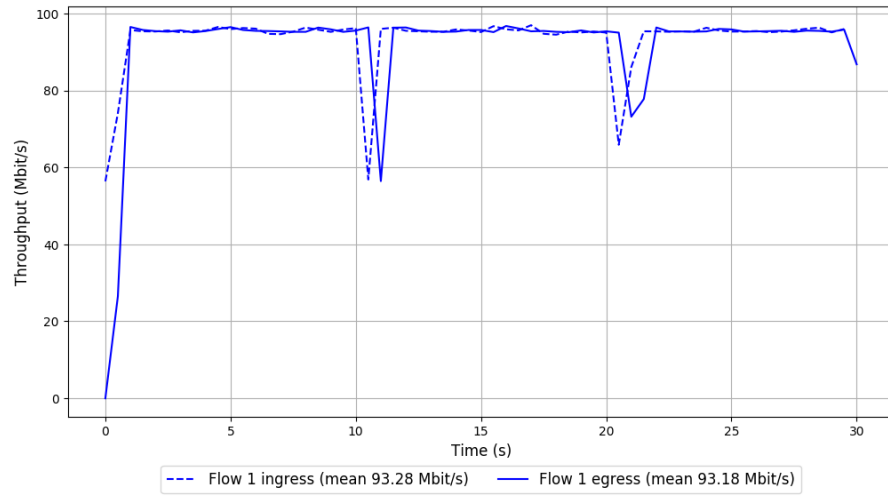
-- Flow 1:

Average throughput: 93.18 Mbit/s

95th percentile per-packet one-way delay: 44.812 ms

Loss rate: 0.31%

Run 5: Report of FillP-Sheep — Data Link

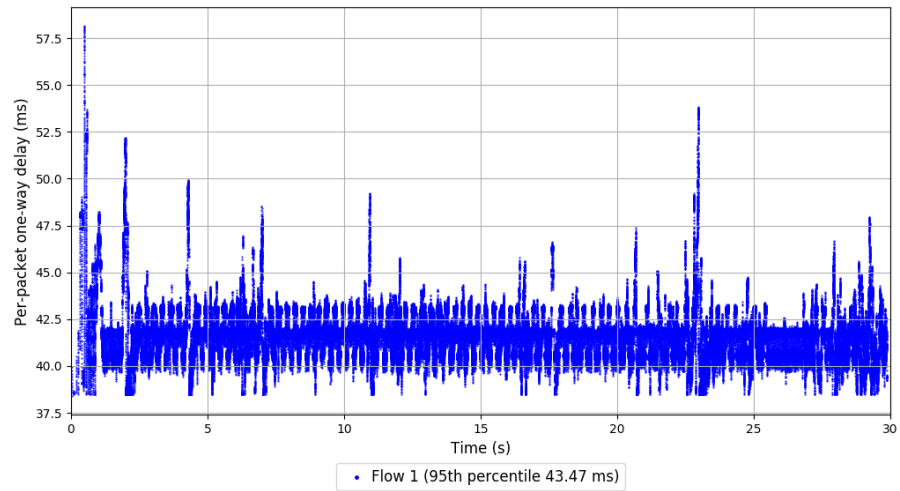
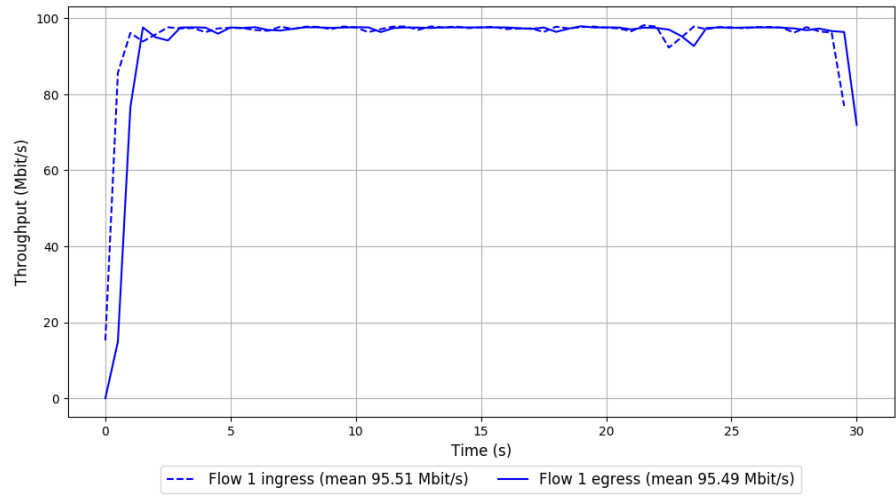


Run 1: Statistics of Indigo

Start at: 2019-07-18 05:19:46
End at: 2019-07-18 05:20:16
Local clock offset: 0.179 ms
Remote clock offset: -1.449 ms

Below is generated by plot.py at 2019-07-18 07:38:57
Datalink statistics
-- Total of 1 flow:
Average throughput: 95.49 Mbit/s
95th percentile per-packet one-way delay: 43.474 ms
Loss rate: 0.23%
-- Flow 1:
Average throughput: 95.49 Mbit/s
95th percentile per-packet one-way delay: 43.474 ms
Loss rate: 0.23%

Run 1: Report of Indigo — Data Link

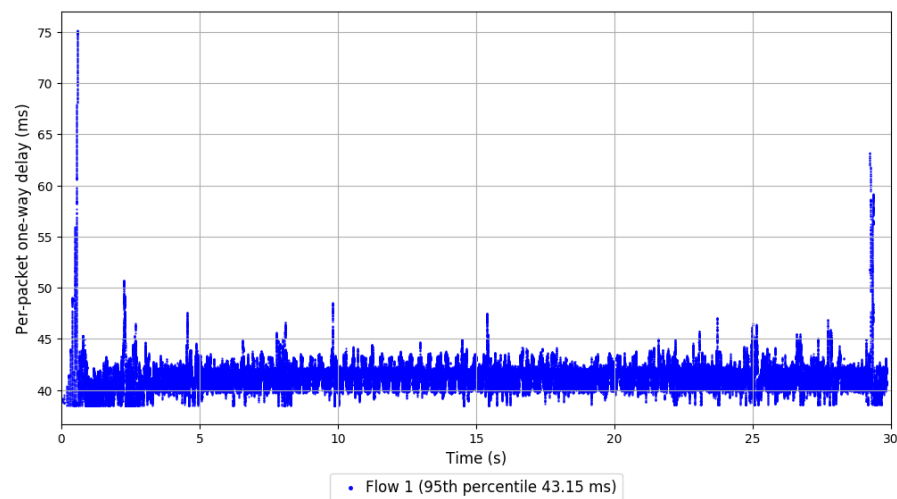
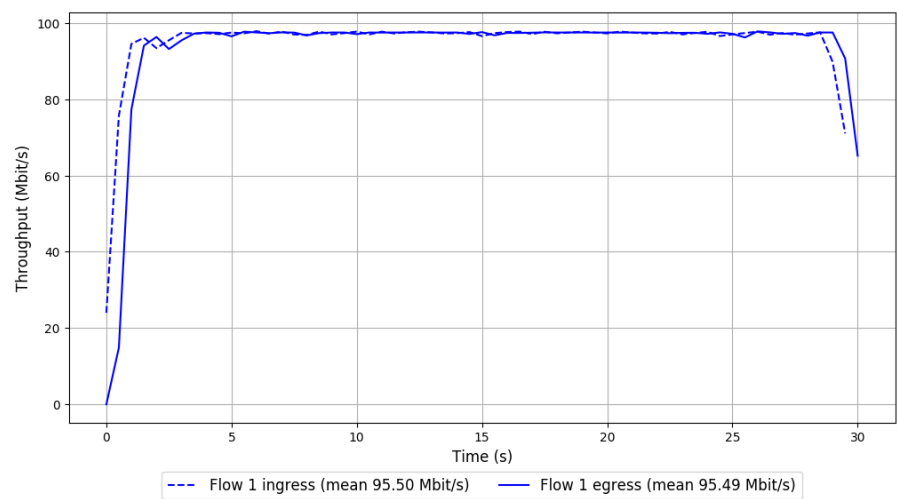


Run 2: Statistics of Indigo

Start at: 2019-07-18 05:54:09
End at: 2019-07-18 05:54:39
Local clock offset: -0.166 ms
Remote clock offset: -0.557 ms

Below is generated by plot.py at 2019-07-18 07:38:57
Datalink statistics
-- Total of 1 flow:
Average throughput: 95.49 Mbit/s
95th percentile per-packet one-way delay: 43.151 ms
Loss rate: 0.23%
-- Flow 1:
Average throughput: 95.49 Mbit/s
95th percentile per-packet one-way delay: 43.151 ms
Loss rate: 0.23%

Run 2: Report of Indigo — Data Link



Run 3: Statistics of Indigo

Start at: 2019-07-18 06:25:42

End at: 2019-07-18 06:26:12

Local clock offset: -3.006 ms

Remote clock offset: 0.234 ms

Below is generated by plot.py at 2019-07-18 07:39:27

Datalink statistics

-- Total of 1 flow:

Average throughput: 95.85 Mbit/s

95th percentile per-packet one-way delay: 43.238 ms

Loss rate: 0.24%

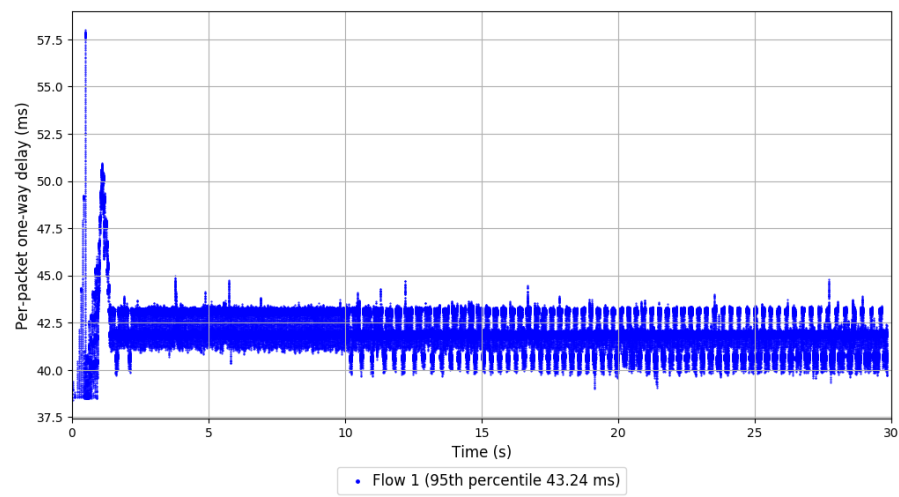
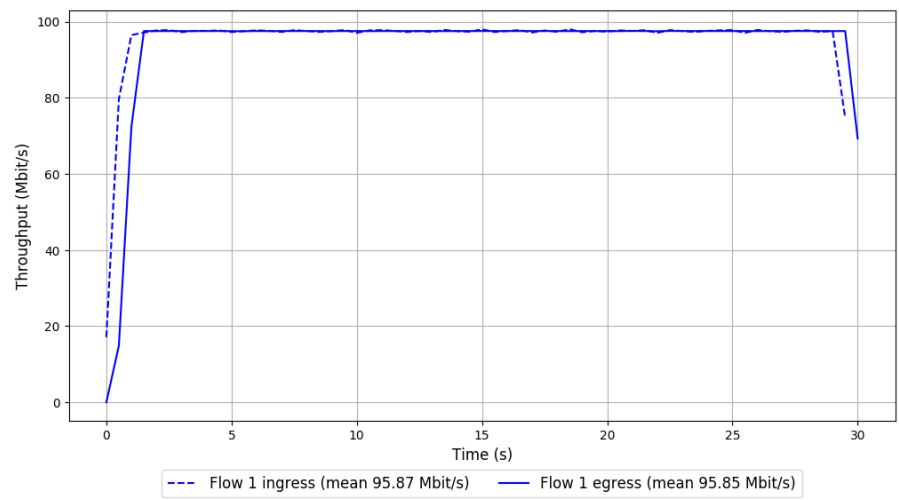
-- Flow 1:

Average throughput: 95.85 Mbit/s

95th percentile per-packet one-way delay: 43.238 ms

Loss rate: 0.24%

Run 3: Report of Indigo — Data Link



Run 4: Statistics of Indigo

Start at: 2019-07-18 06:56:58

End at: 2019-07-18 06:57:28

Local clock offset: -3.516 ms

Remote clock offset: 0.793 ms

Below is generated by plot.py at 2019-07-18 07:39:30

Datalink statistics

-- Total of 1 flow:

Average throughput: 95.72 Mbit/s

95th percentile per-packet one-way delay: 43.040 ms

Loss rate: 0.23%

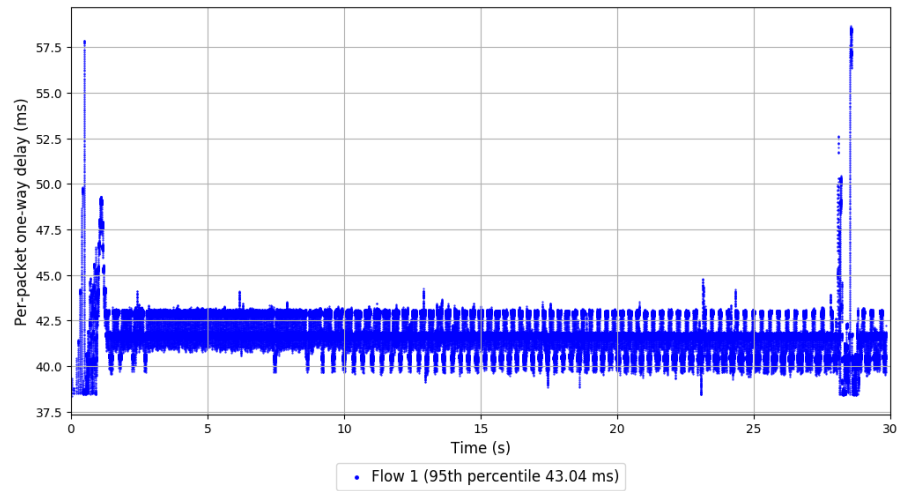
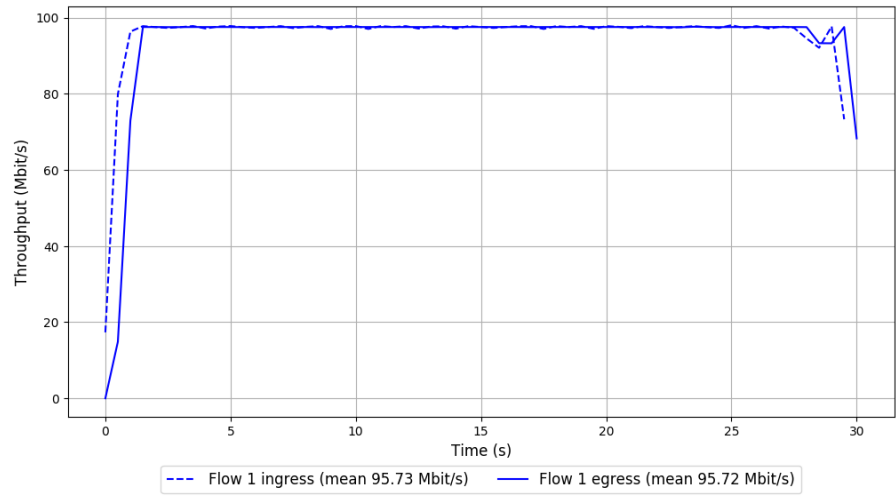
-- Flow 1:

Average throughput: 95.72 Mbit/s

95th percentile per-packet one-way delay: 43.040 ms

Loss rate: 0.23%

Run 4: Report of Indigo — Data Link



Run 5: Statistics of Indigo

Start at: 2019-07-18 07:27:37

End at: 2019-07-18 07:28:07

Local clock offset: -1.828 ms

Remote clock offset: 1.126 ms

Below is generated by plot.py at 2019-07-18 07:39:33

Datalink statistics

-- Total of 1 flow:

Average throughput: 95.79 Mbit/s

95th percentile per-packet one-way delay: 42.886 ms

Loss rate: 0.23%

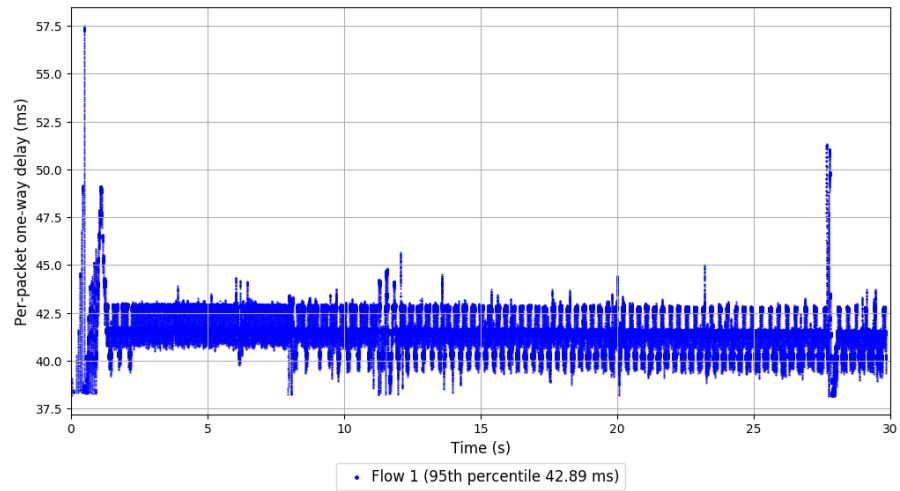
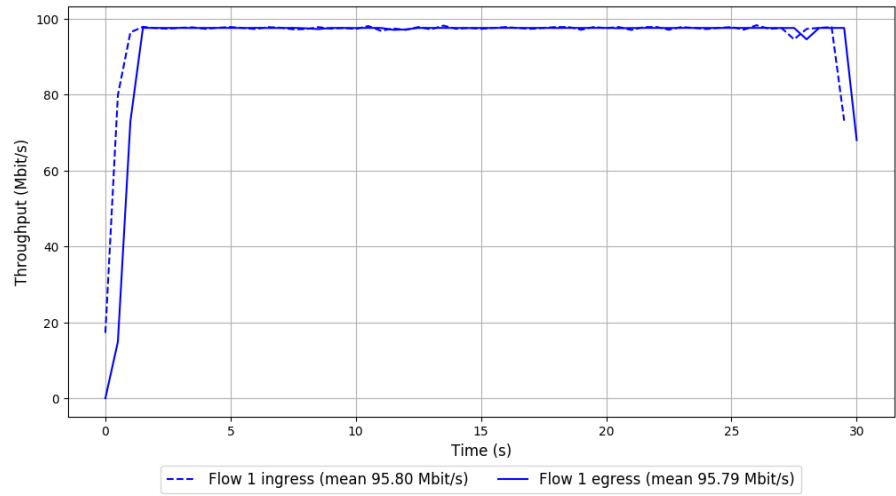
-- Flow 1:

Average throughput: 95.79 Mbit/s

95th percentile per-packet one-way delay: 42.886 ms

Loss rate: 0.23%

Run 5: Report of Indigo — Data Link



Run 1: Statistics of Indigo-MusesC3

Start at: 2019-07-18 04:56:33

End at: 2019-07-18 04:57:03

Local clock offset: 0.255 ms

Remote clock offset: -2.499 ms

Below is generated by plot.py at 2019-07-18 07:39:33

Datalink statistics

-- Total of 1 flow:

Average throughput: 96.60 Mbit/s

95th percentile per-packet one-way delay: 43.682 ms

Loss rate: 0.24%

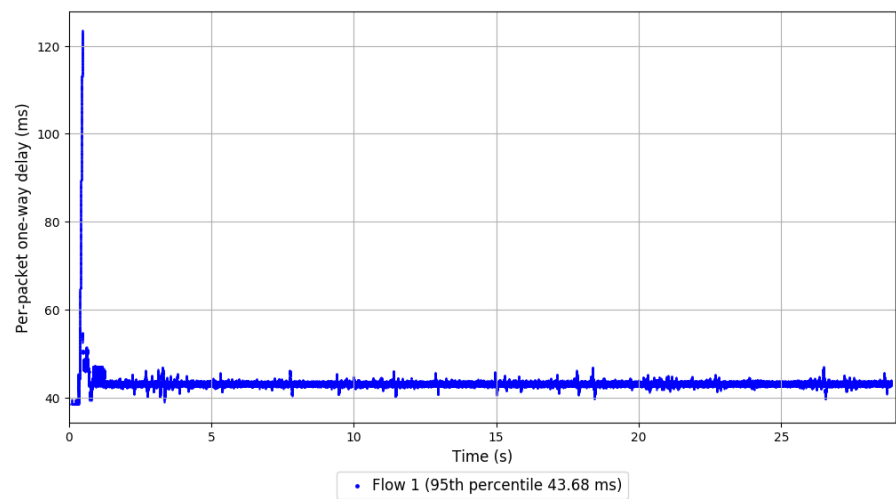
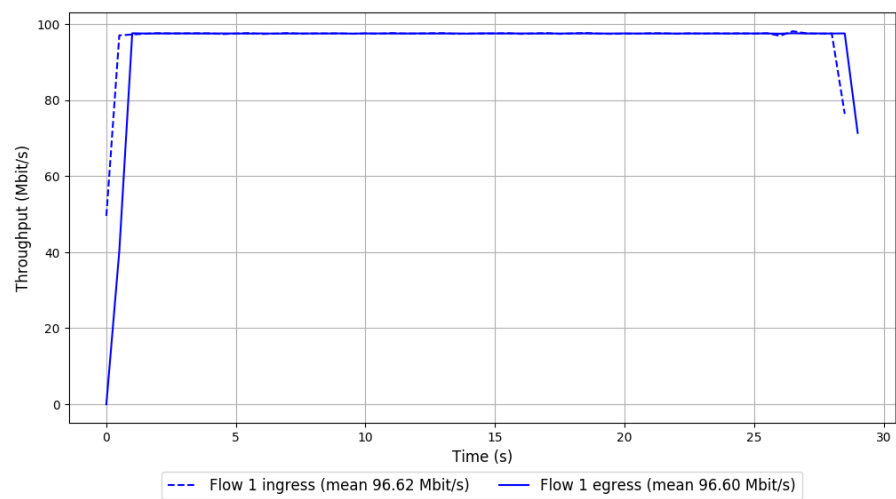
-- Flow 1:

Average throughput: 96.60 Mbit/s

95th percentile per-packet one-way delay: 43.682 ms

Loss rate: 0.24%

Run 1: Report of Indigo-MusesC3 — Data Link

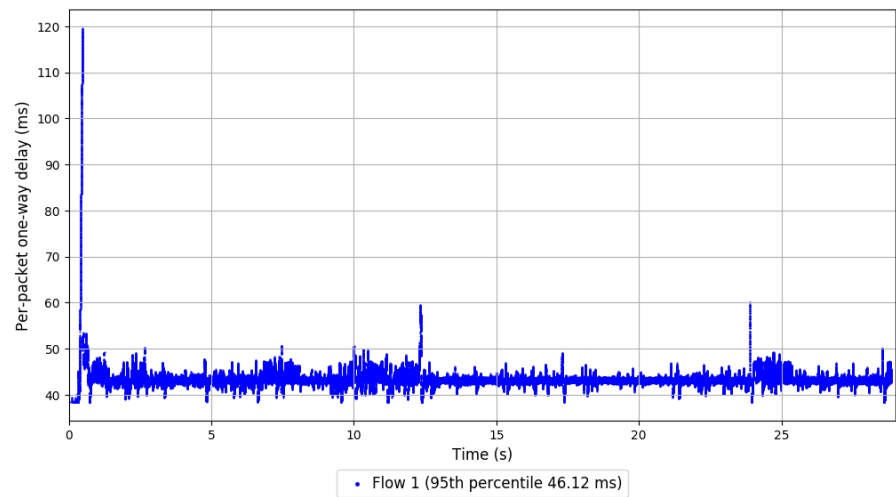
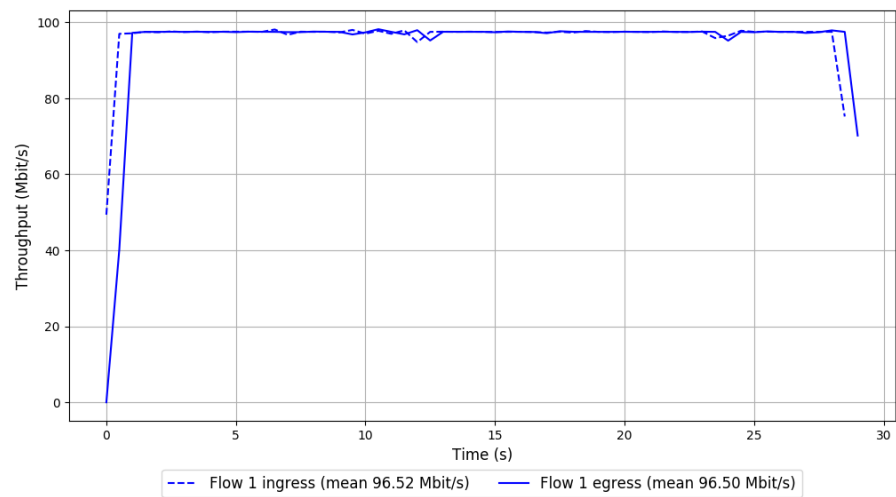


Run 2: Statistics of Indigo-MusesC3

Start at: 2019-07-18 05:37:15
End at: 2019-07-18 05:37:45
Local clock offset: 0.025 ms
Remote clock offset: -1.061 ms

Below is generated by plot.py at 2019-07-18 07:39:50
Datalink statistics
-- Total of 1 flow:
Average throughput: 96.50 Mbit/s
95th percentile per-packet one-way delay: 46.116 ms
Loss rate: 0.24%
-- Flow 1:
Average throughput: 96.50 Mbit/s
95th percentile per-packet one-way delay: 46.116 ms
Loss rate: 0.24%

Run 2: Report of Indigo-MusesC3 — Data Link

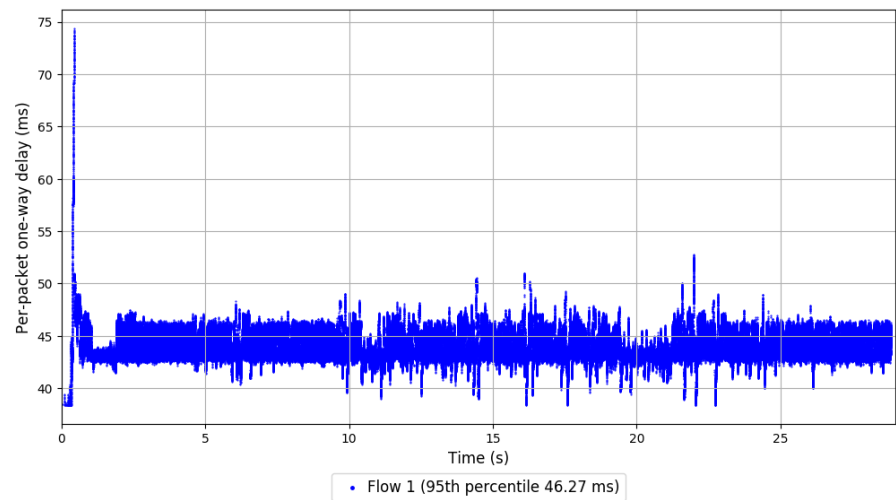
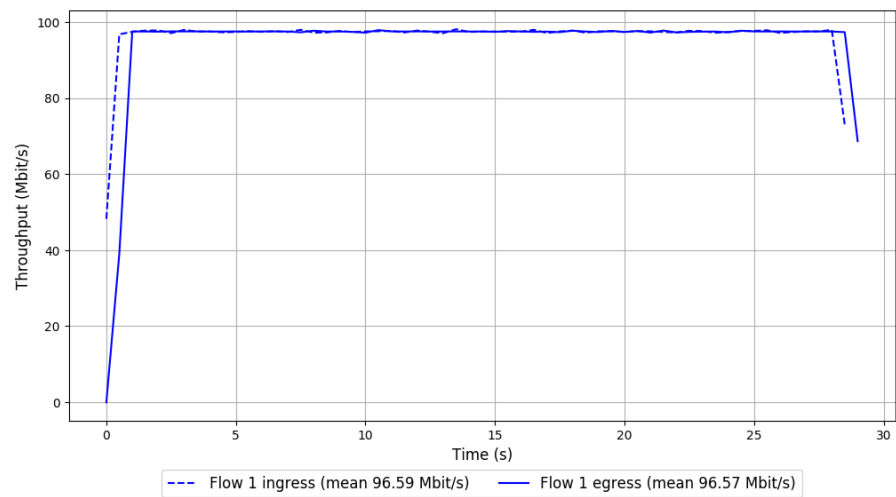


Run 3: Statistics of Indigo-MusesC3

Start at: 2019-07-18 06:09:19
End at: 2019-07-18 06:09:49
Local clock offset: -2.47 ms
Remote clock offset: -0.165 ms

Below is generated by plot.py at 2019-07-18 07:39:53
Datalink statistics
-- Total of 1 flow:
Average throughput: 96.57 Mbit/s
95th percentile per-packet one-way delay: 46.275 ms
Loss rate: 0.24%
-- Flow 1:
Average throughput: 96.57 Mbit/s
95th percentile per-packet one-way delay: 46.275 ms
Loss rate: 0.24%

Run 3: Report of Indigo-MusesC3 — Data Link



Run 4: Statistics of Indigo-MusesC3

Start at: 2019-07-18 06:40:51

End at: 2019-07-18 06:41:21

Local clock offset: -3.341 ms

Remote clock offset: 0.525 ms

Below is generated by plot.py at 2019-07-18 07:39:55

Datalink statistics

-- Total of 1 flow:

Average throughput: 96.59 Mbit/s

95th percentile per-packet one-way delay: 46.481 ms

Loss rate: 0.26%

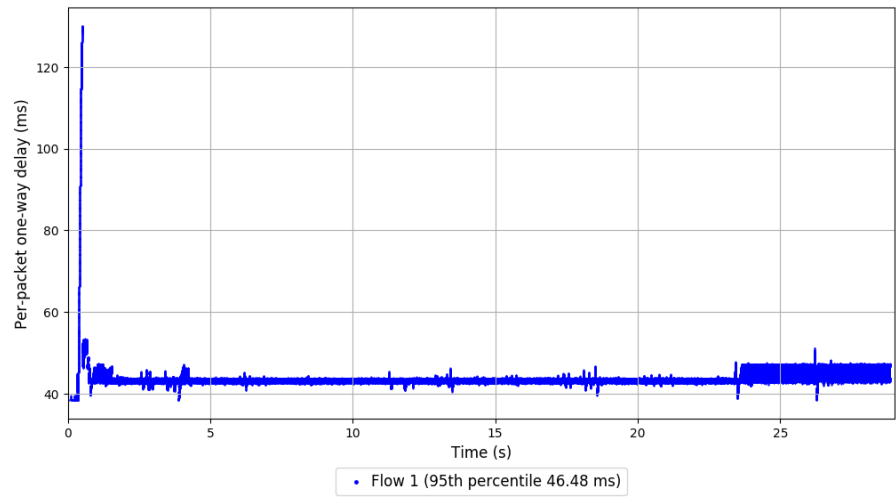
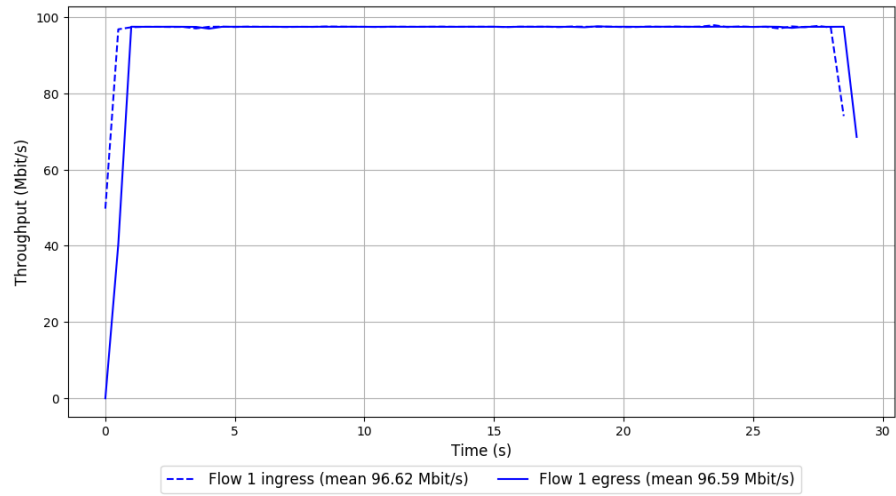
-- Flow 1:

Average throughput: 96.59 Mbit/s

95th percentile per-packet one-way delay: 46.481 ms

Loss rate: 0.26%

Run 4: Report of Indigo-MusesC3 — Data Link



Run 5: Statistics of Indigo-MusesC3

Start at: 2019-07-18 07:11:09

End at: 2019-07-18 07:11:39

Local clock offset: -3.007 ms

Remote clock offset: 0.902 ms

Below is generated by plot.py at 2019-07-18 07:40:00

Datalink statistics

-- Total of 1 flow:

Average throughput: 96.59 Mbit/s

95th percentile per-packet one-way delay: 46.003 ms

Loss rate: 0.24%

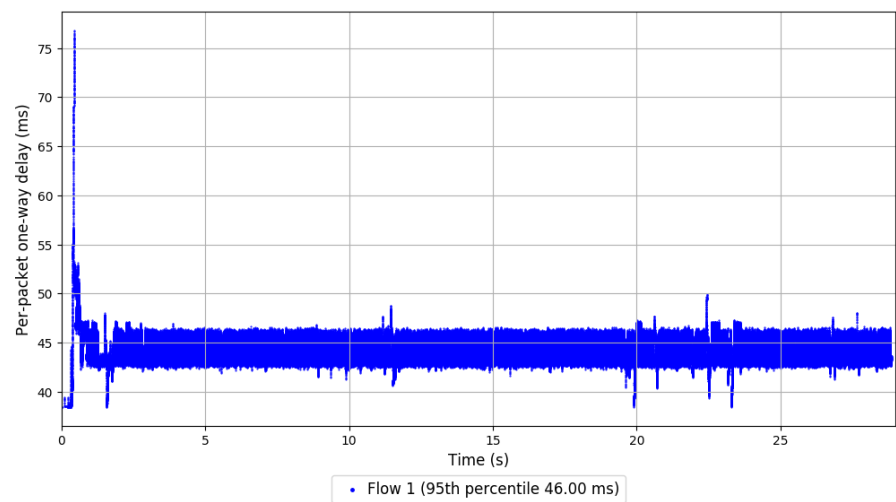
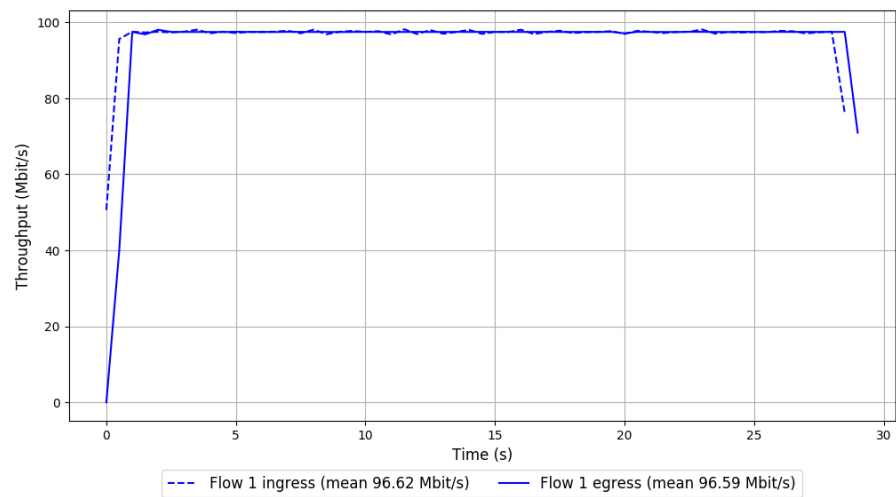
-- Flow 1:

Average throughput: 96.59 Mbit/s

95th percentile per-packet one-way delay: 46.003 ms

Loss rate: 0.24%

Run 5: Report of Indigo-MusesC3 — Data Link



Run 1: Statistics of Indigo-MusesC5

Start at: 2019-07-18 05:04:23

End at: 2019-07-18 05:04:53

Local clock offset: 0.227 ms

Remote clock offset: -2.149 ms

Below is generated by plot.py at 2019-07-18 07:40:29

Datalink statistics

-- Total of 1 flow:

Average throughput: 95.52 Mbit/s

95th percentile per-packet one-way delay: 46.739 ms

Loss rate: 0.25%

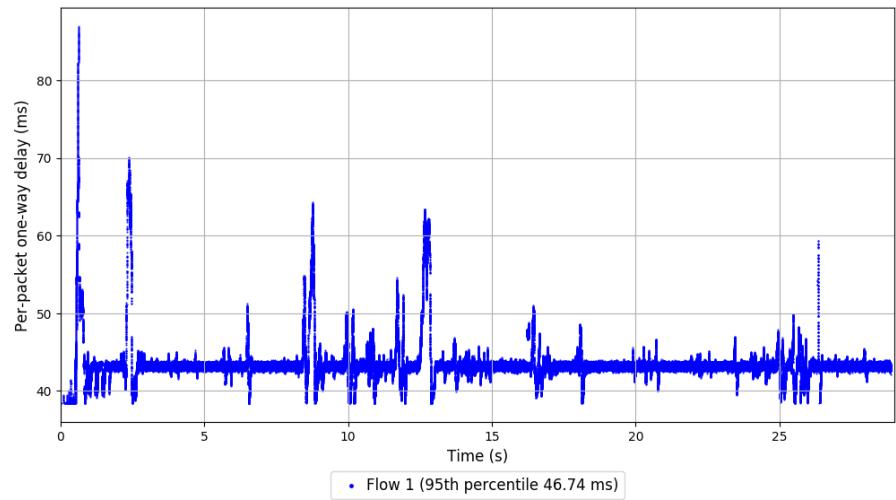
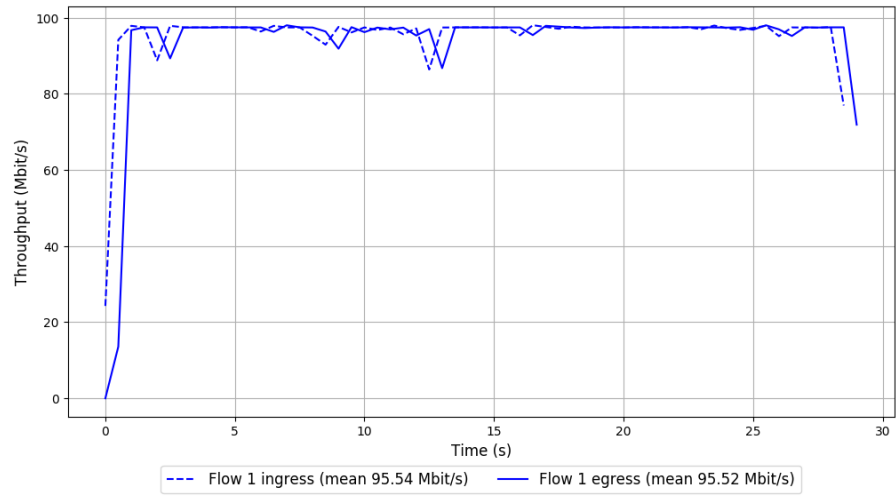
-- Flow 1:

Average throughput: 95.52 Mbit/s

95th percentile per-packet one-way delay: 46.739 ms

Loss rate: 0.25%

Run 1: Report of Indigo-MusesC5 — Data Link

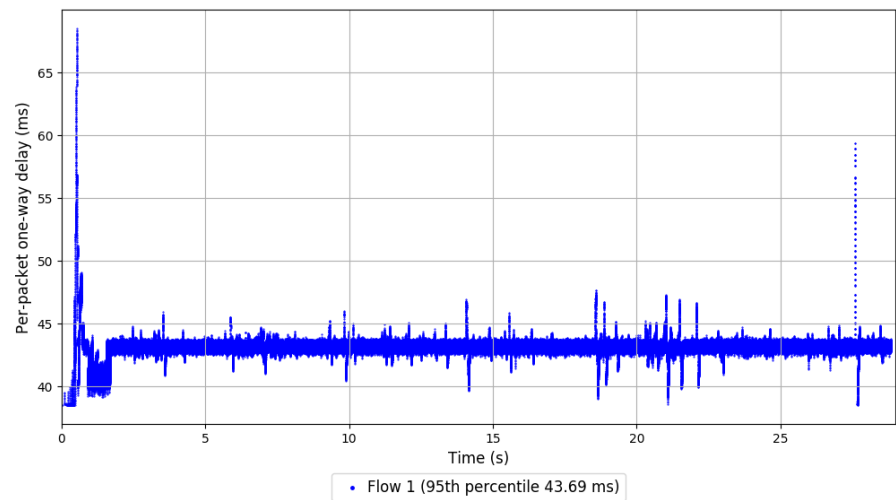
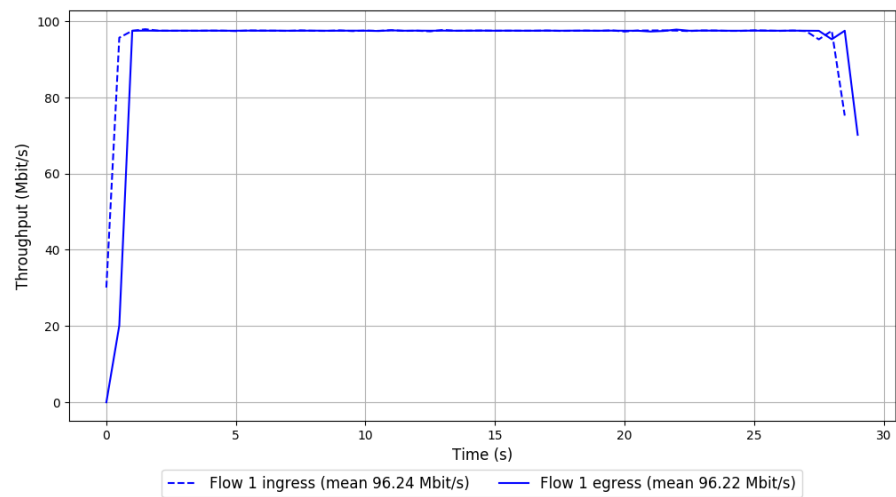


Run 2: Statistics of Indigo-MusesC5

Start at: 2019-07-18 05:43:40
End at: 2019-07-18 05:44:10
Local clock offset: -0.016 ms
Remote clock offset: -0.899 ms

Below is generated by plot.py at 2019-07-18 07:40:30
Datalink statistics
-- Total of 1 flow:
Average throughput: 96.22 Mbit/s
95th percentile per-packet one-way delay: 43.687 ms
Loss rate: 0.24%
-- Flow 1:
Average throughput: 96.22 Mbit/s
95th percentile per-packet one-way delay: 43.687 ms
Loss rate: 0.24%

Run 2: Report of Indigo-MusesC5 — Data Link



Run 3: Statistics of Indigo-MusesC5

Start at: 2019-07-18 06:15:52

End at: 2019-07-18 06:16:22

Local clock offset: -2.73 ms

Remote clock offset: -0.08 ms

Below is generated by plot.py at 2019-07-18 07:40:34

Datalink statistics

-- Total of 1 flow:

Average throughput: 96.06 Mbit/s

95th percentile per-packet one-way delay: 43.694 ms

Loss rate: 0.24%

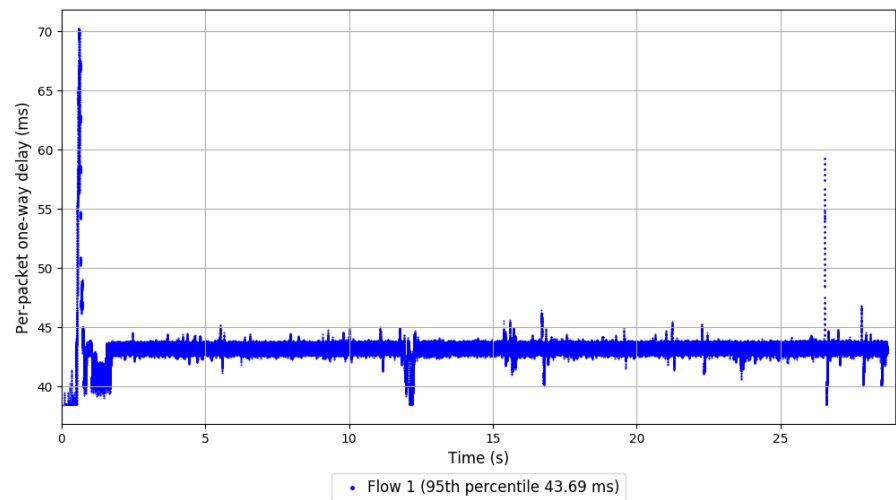
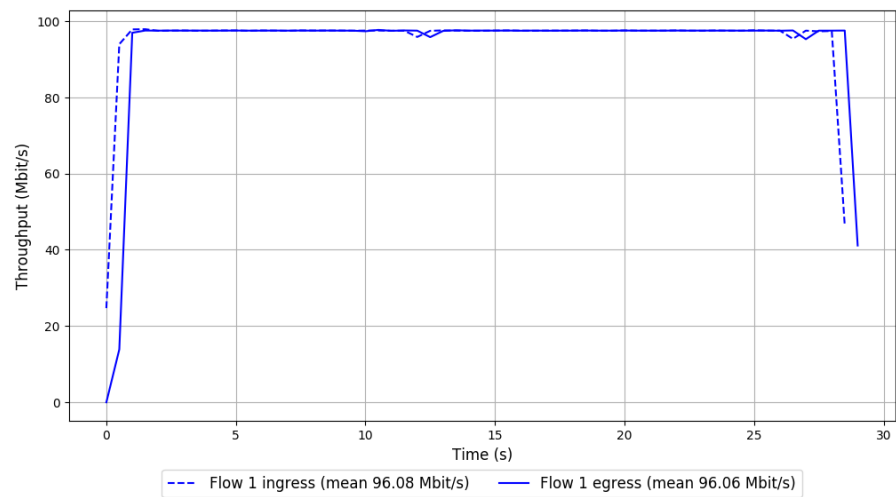
-- Flow 1:

Average throughput: 96.06 Mbit/s

95th percentile per-packet one-way delay: 43.694 ms

Loss rate: 0.24%

Run 3: Report of Indigo-MusesC5 — Data Link



Run 4: Statistics of Indigo-MusesC5

Start at: 2019-07-18 06:47:03

End at: 2019-07-18 06:47:33

Local clock offset: -3.512 ms

Remote clock offset: 0.655 ms

Below is generated by plot.py at 2019-07-18 07:40:35

Datalink statistics

-- Total of 1 flow:

Average throughput: 95.90 Mbit/s

95th percentile per-packet one-way delay: 43.954 ms

Loss rate: 0.24%

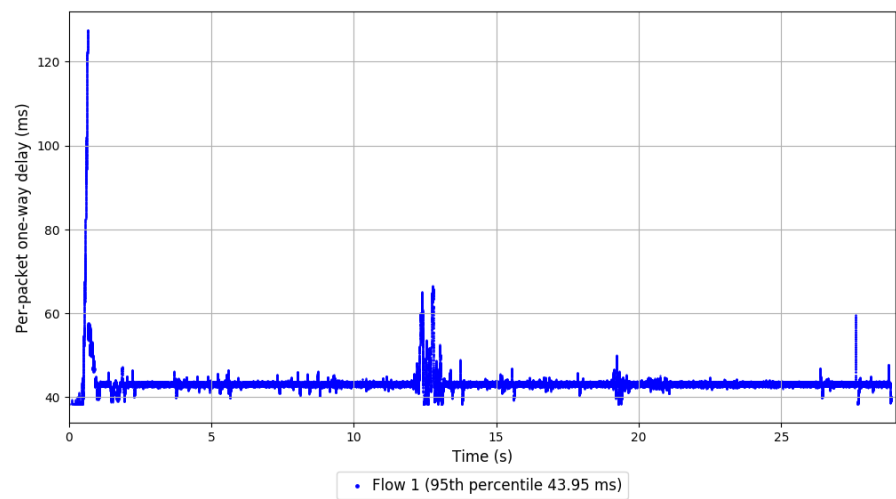
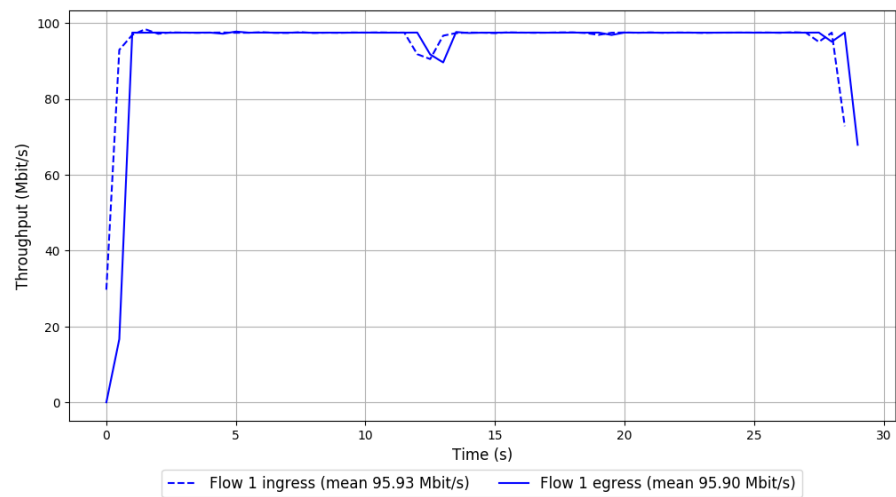
-- Flow 1:

Average throughput: 95.90 Mbit/s

95th percentile per-packet one-way delay: 43.954 ms

Loss rate: 0.24%

Run 4: Report of Indigo-MusesC5 — Data Link



Run 5: Statistics of Indigo-MusesC5

Start at: 2019-07-18 07:17:29

End at: 2019-07-18 07:17:59

Local clock offset: -3.004 ms

Remote clock offset: 0.946 ms

Below is generated by plot.py at 2019-07-18 07:40:53

Datalink statistics

-- Total of 1 flow:

Average throughput: 95.98 Mbit/s

95th percentile per-packet one-way delay: 43.653 ms

Loss rate: 0.25%

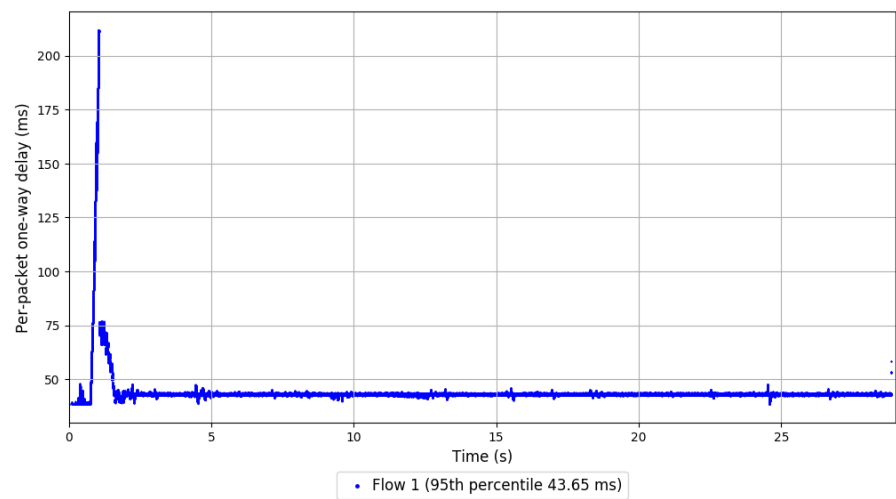
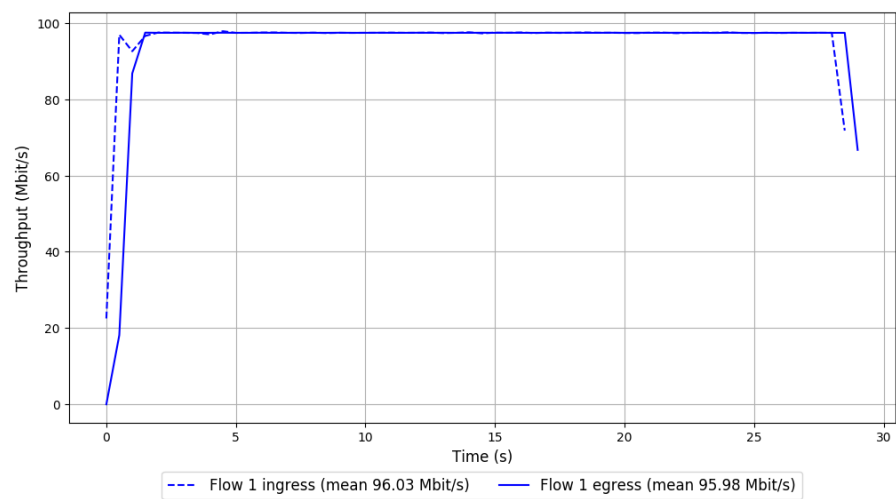
-- Flow 1:

Average throughput: 95.98 Mbit/s

95th percentile per-packet one-way delay: 43.653 ms

Loss rate: 0.25%

Run 5: Report of Indigo-MusesC5 — Data Link

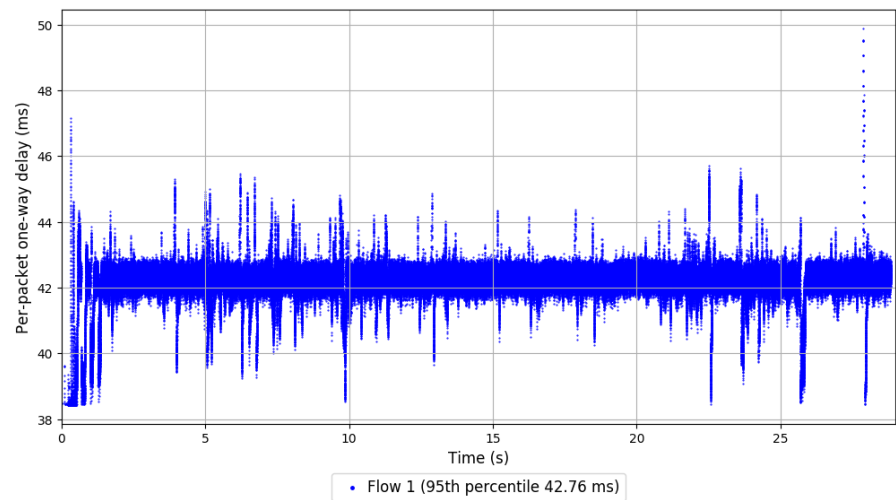
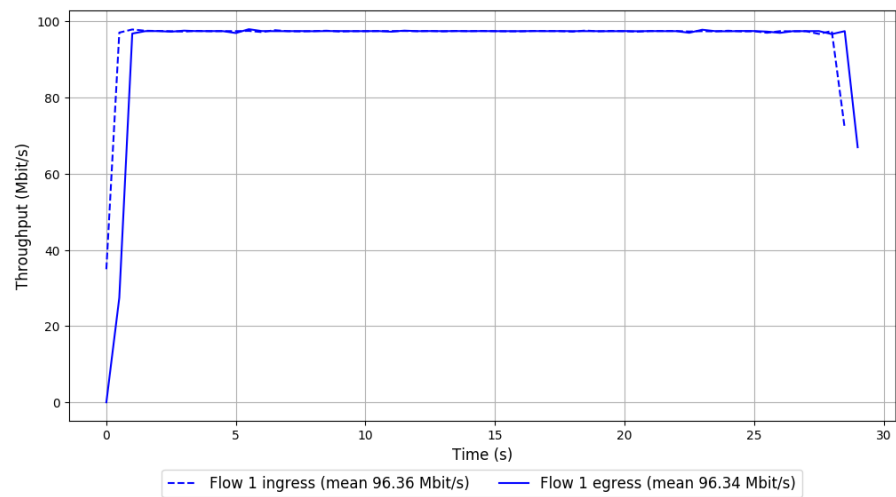



```
Run 1: Statistics of Indigo-MusesD

Start at: 2019-07-18 05:10:30
End at: 2019-07-18 05:11:00
Local clock offset: 0.223 ms
Remote clock offset: -1.776 ms

# Below is generated by plot.py at 2019-07-18 07:40:56
# Datalink statistics
-- Total of 1 flow:
Average throughput: 96.34 Mbit/s
95th percentile per-packet one-way delay: 42.756 ms
Loss rate: 0.24%
-- Flow 1:
Average throughput: 96.34 Mbit/s
95th percentile per-packet one-way delay: 42.756 ms
Loss rate: 0.24%
```

Run 1: Report of Indigo-MusesD — Data Link



Run 2: Statistics of Indigo-MusesD

Start at: 2019-07-18 05:47:32

End at: 2019-07-18 05:48:02

Local clock offset: -0.087 ms

Remote clock offset: -0.82 ms

Below is generated by plot.py at 2019-07-18 07:40:58

Datalink statistics

-- Total of 1 flow:

Average throughput: 96.24 Mbit/s

95th percentile per-packet one-way delay: 43.555 ms

Loss rate: 0.24%

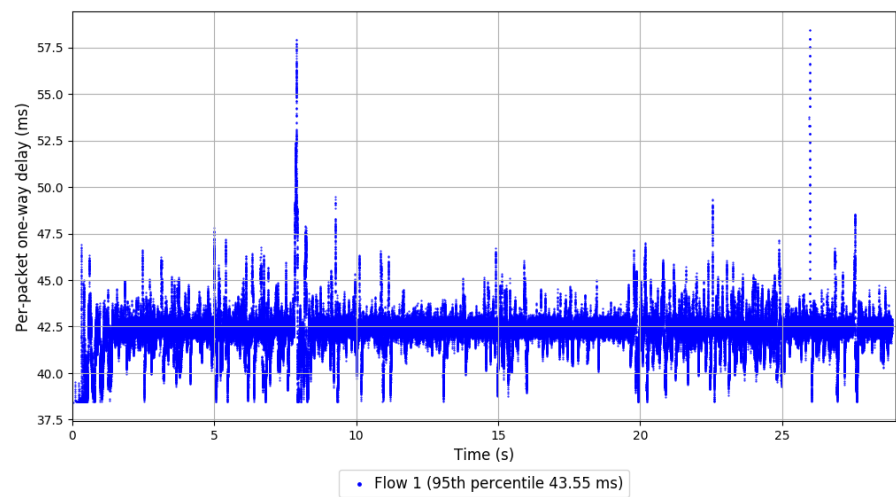
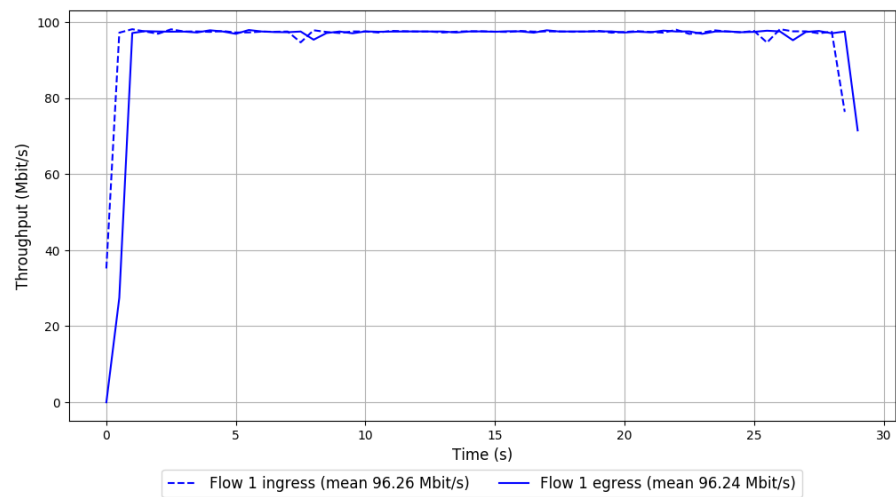
-- Flow 1:

Average throughput: 96.24 Mbit/s

95th percentile per-packet one-way delay: 43.555 ms

Loss rate: 0.24%

Run 2: Report of Indigo-MusesD — Data Link



Run 3: Statistics of Indigo-MusesD

Start at: 2019-07-18 06:19:31

End at: 2019-07-18 06:20:01

Local clock offset: -2.868 ms

Remote clock offset: 0.037 ms

Below is generated by plot.py at 2019-07-18 07:41:03

Datalink statistics

-- Total of 1 flow:

Average throughput: 96.31 Mbit/s

95th percentile per-packet one-way delay: 42.910 ms

Loss rate: 0.24%

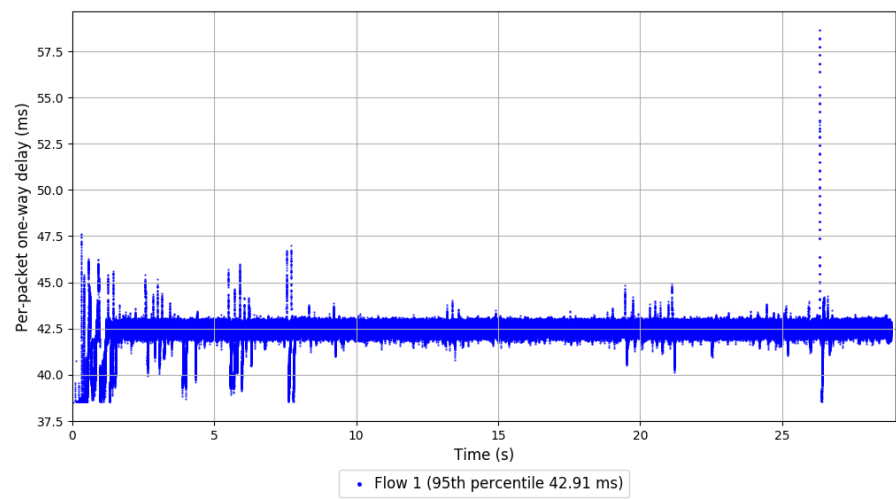
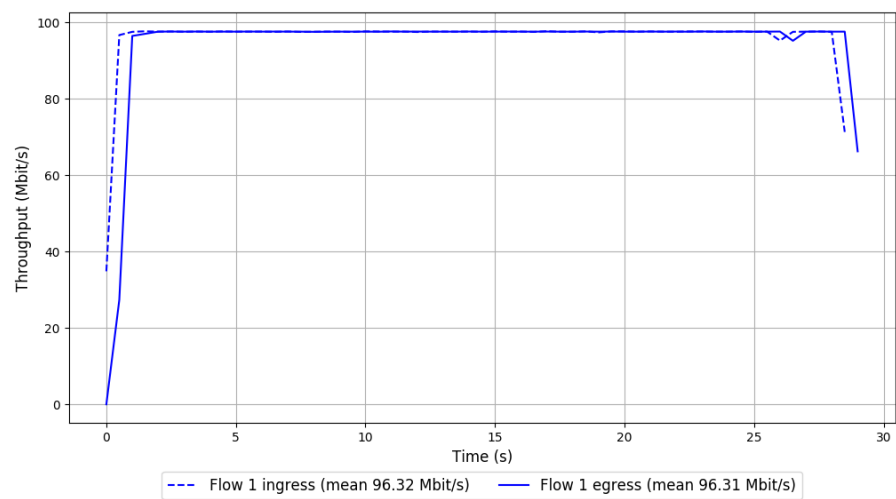
-- Flow 1:

Average throughput: 96.31 Mbit/s

95th percentile per-packet one-way delay: 42.910 ms

Loss rate: 0.24%

Run 3: Report of Indigo-MusesD — Data Link



Run 4: Statistics of Indigo-MusesD

Start at: 2019-07-18 06:50:43

End at: 2019-07-18 06:51:13

Local clock offset: -3.595 ms

Remote clock offset: 0.638 ms

Below is generated by plot.py at 2019-07-18 07:41:31

Datalink statistics

-- Total of 1 flow:

Average throughput: 96.36 Mbit/s

95th percentile per-packet one-way delay: 42.962 ms

Loss rate: 0.24%

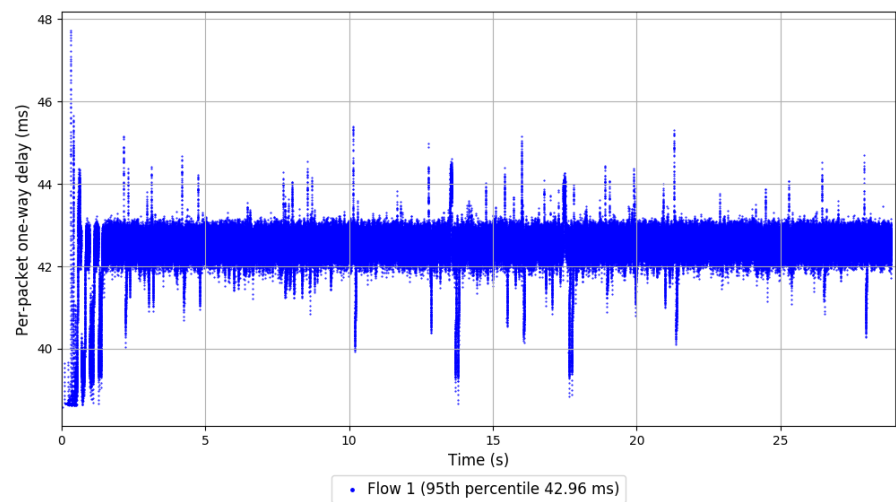
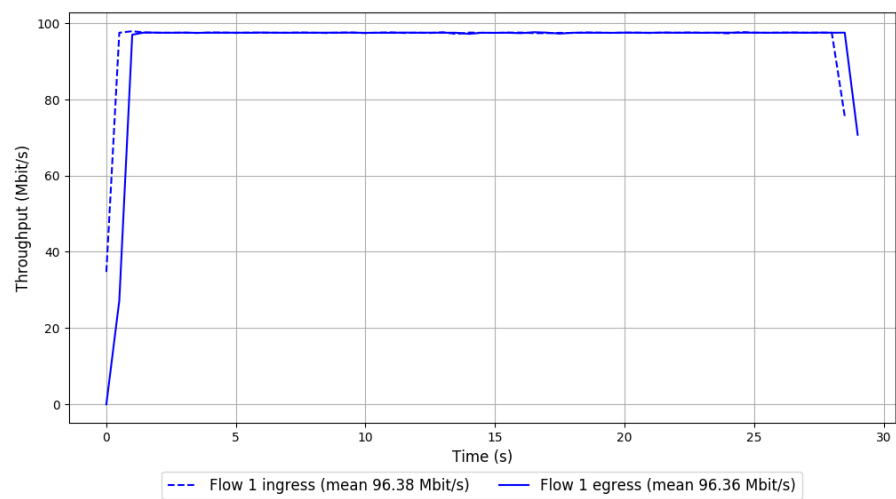
-- Flow 1:

Average throughput: 96.36 Mbit/s

95th percentile per-packet one-way delay: 42.962 ms

Loss rate: 0.24%

Run 4: Report of Indigo-MusesD — Data Link



Run 5: Statistics of Indigo-MusesD

Start at: 2019-07-18 07:21:08

End at: 2019-07-18 07:21:38

Local clock offset: -3.028 ms

Remote clock offset: 0.966 ms

Below is generated by plot.py at 2019-07-18 07:41:32

Datalink statistics

-- Total of 1 flow:

Average throughput: 95.93 Mbit/s

95th percentile per-packet one-way delay: 42.774 ms

Loss rate: 0.23%

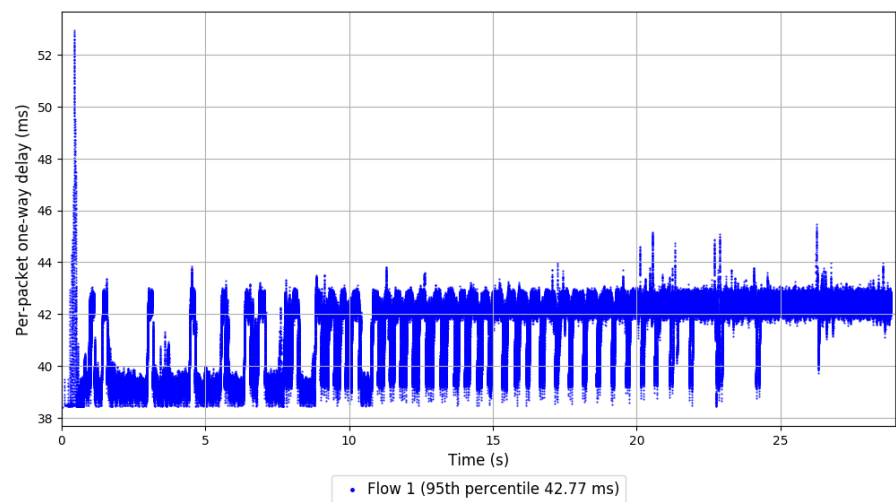
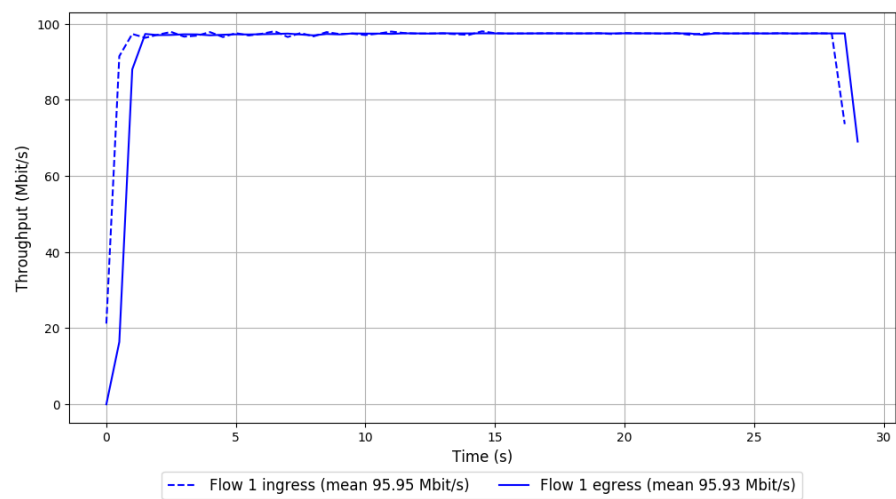
-- Flow 1:

Average throughput: 95.93 Mbit/s

95th percentile per-packet one-way delay: 42.774 ms

Loss rate: 0.23%

Run 5: Report of Indigo-MusesD — Data Link



Run 1: Statistics of Indigo-MusesT

Start at: 2019-07-18 05:12:28

End at: 2019-07-18 05:12:58

Local clock offset: 0.215 ms

Remote clock offset: -1.801 ms

Below is generated by plot.py at 2019-07-18 07:41:38

Datalink statistics

-- Total of 1 flow:

Average throughput: 96.55 Mbit/s

95th percentile per-packet one-way delay: 49.530 ms

Loss rate: 1.05%

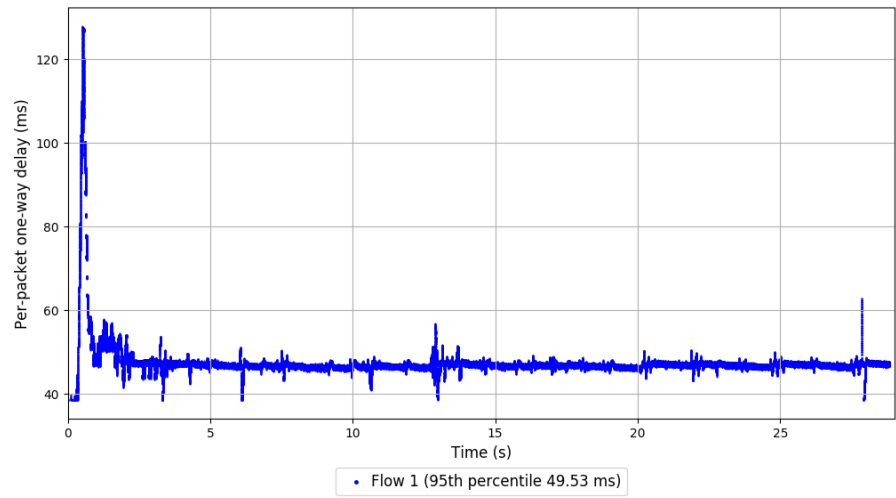
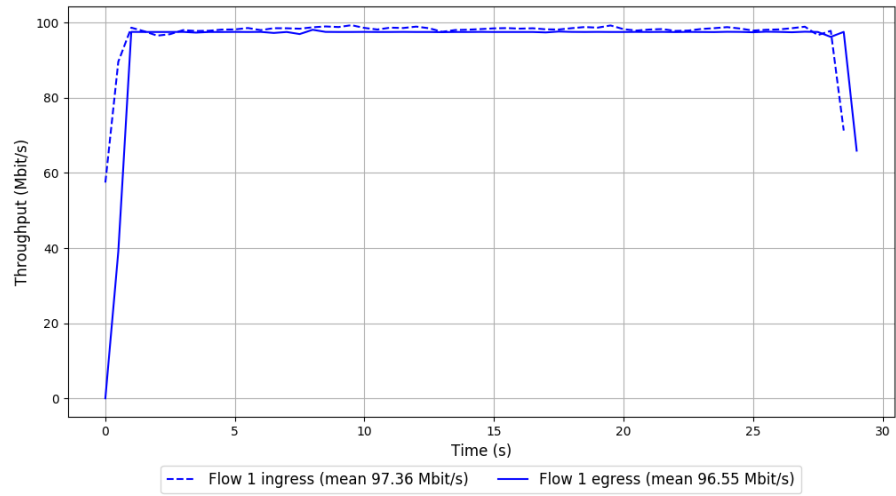
-- Flow 1:

Average throughput: 96.55 Mbit/s

95th percentile per-packet one-way delay: 49.530 ms

Loss rate: 1.05%

Run 1: Report of Indigo-MusesT — Data Link

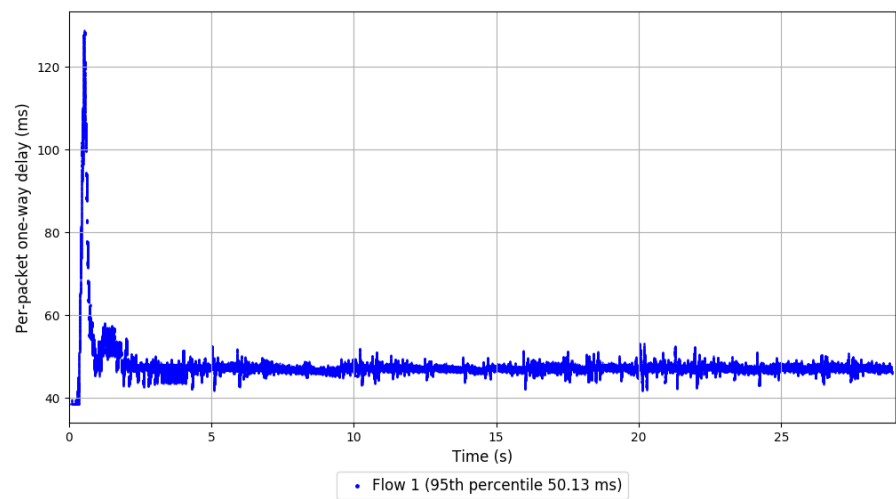
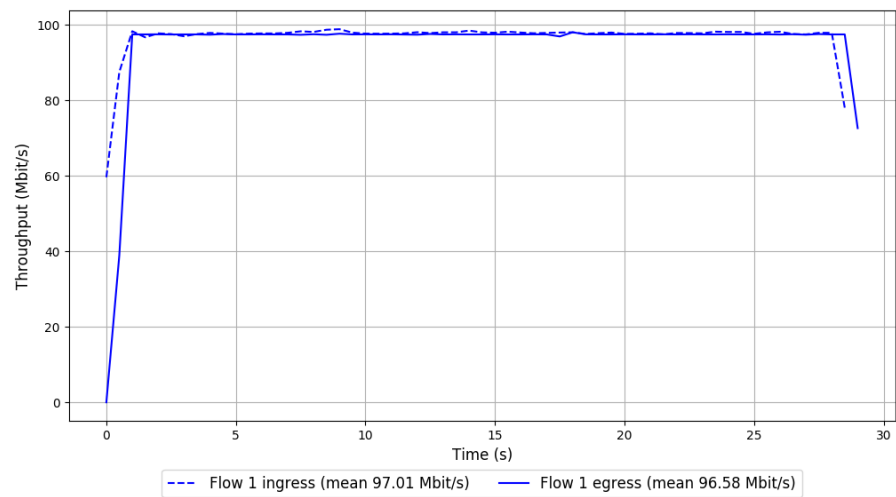


Run 2: Statistics of Indigo-MusesT

Start at: 2019-07-18 05:48:56
End at: 2019-07-18 05:49:26
Local clock offset: -0.096 ms
Remote clock offset: -0.815 ms

Below is generated by plot.py at 2019-07-18 07:41:39
Datalink statistics
-- Total of 1 flow:
Average throughput: 96.58 Mbit/s
95th percentile per-packet one-way delay: 50.128 ms
Loss rate: 0.66%
-- Flow 1:
Average throughput: 96.58 Mbit/s
95th percentile per-packet one-way delay: 50.128 ms
Loss rate: 0.66%

Run 2: Report of Indigo-MusesT — Data Link



Run 3: Statistics of Indigo-MusesT

Start at: 2019-07-18 06:20:49

End at: 2019-07-18 06:21:19

Local clock offset: -2.915 ms

Remote clock offset: 0.083 ms

Below is generated by plot.py at 2019-07-18 07:41:55

Datalink statistics

-- Total of 1 flow:

Average throughput: 96.58 Mbit/s

95th percentile per-packet one-way delay: 47.732 ms

Loss rate: 1.27%

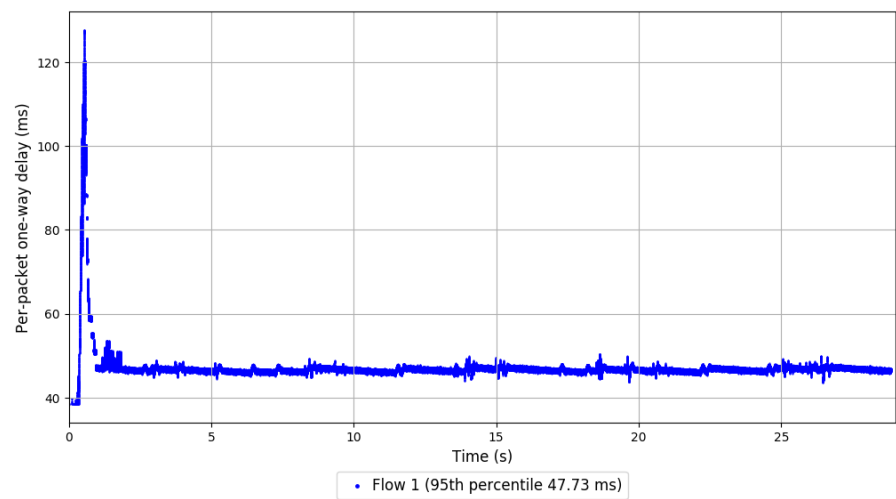
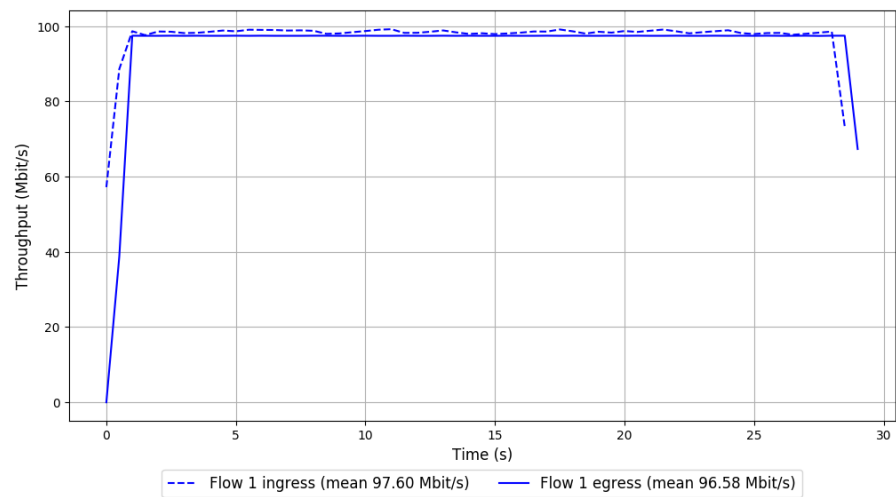
-- Flow 1:

Average throughput: 96.58 Mbit/s

95th percentile per-packet one-way delay: 47.732 ms

Loss rate: 1.27%

Run 3: Report of Indigo-MusesT — Data Link



Run 4: Statistics of Indigo-MusesT

Start at: 2019-07-18 06:52:04

End at: 2019-07-18 06:52:34

Local clock offset: -3.673 ms

Remote clock offset: 0.74 ms

Below is generated by plot.py at 2019-07-18 07:41:58

Datalink statistics

-- Total of 1 flow:

Average throughput: 96.54 Mbit/s

95th percentile per-packet one-way delay: 47.308 ms

Loss rate: 0.69%

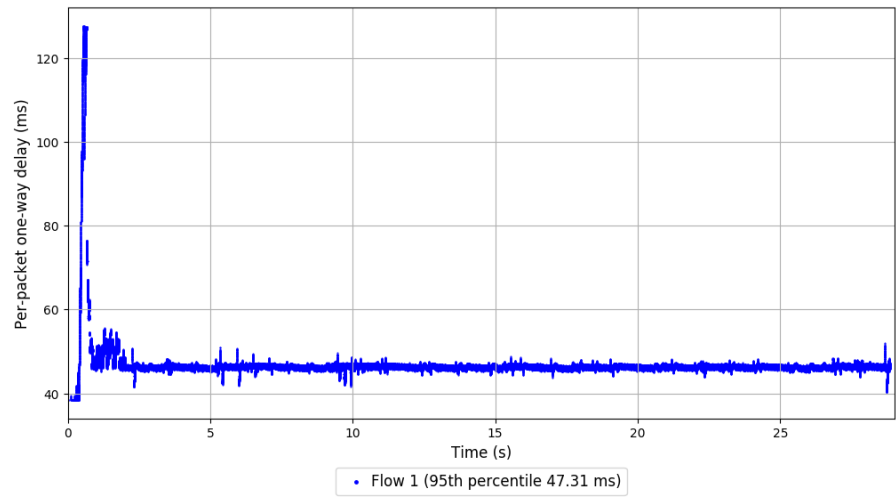
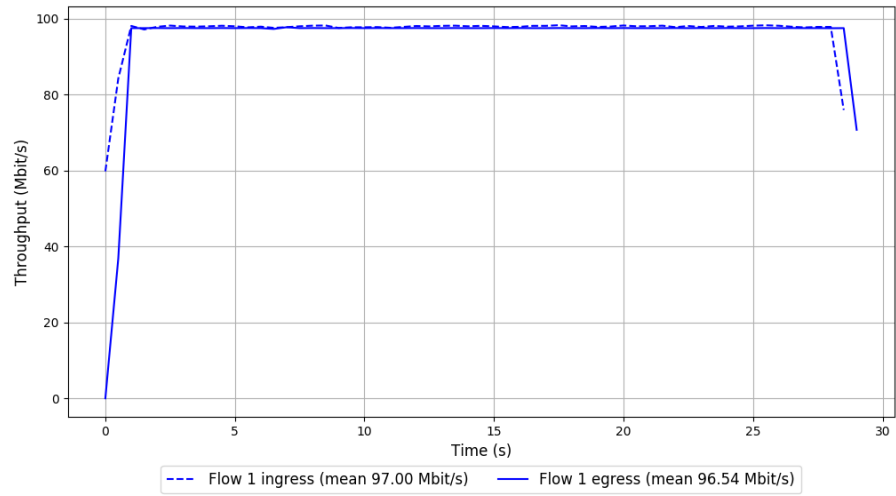
-- Flow 1:

Average throughput: 96.54 Mbit/s

95th percentile per-packet one-way delay: 47.308 ms

Loss rate: 0.69%

Run 4: Report of Indigo-MusesT — Data Link



Run 5: Statistics of Indigo-MusesT

Start at: 2019-07-18 07:22:35

End at: 2019-07-18 07:23:05

Local clock offset: -3.066 ms

Remote clock offset: 0.993 ms

Below is generated by plot.py at 2019-07-18 07:42:01

Datalink statistics

-- Total of 1 flow:

Average throughput: 96.54 Mbit/s

95th percentile per-packet one-way delay: 46.993 ms

Loss rate: 0.85%

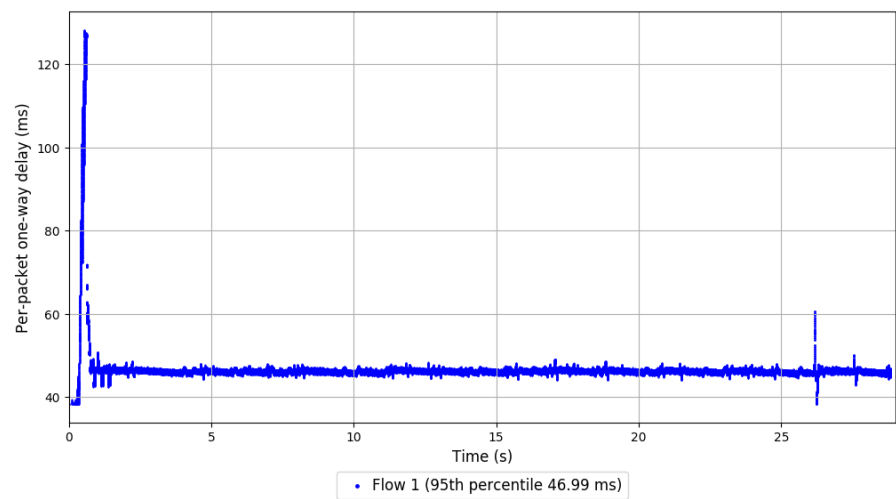
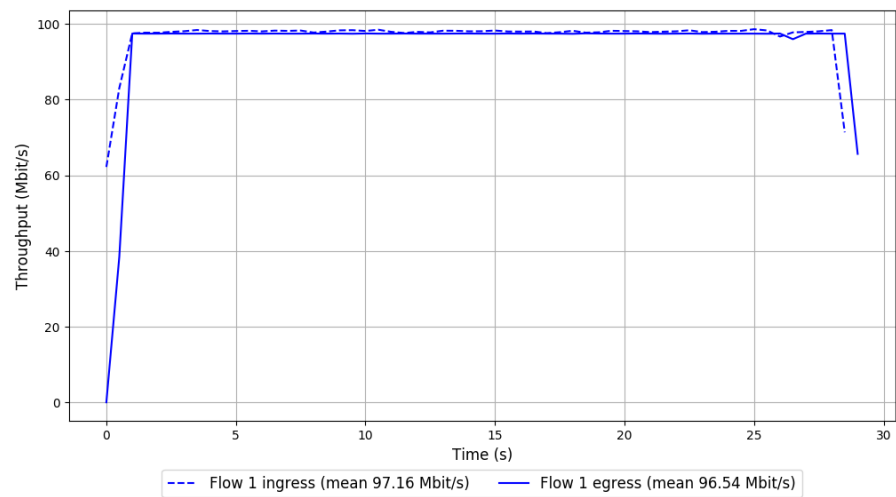
-- Flow 1:

Average throughput: 96.54 Mbit/s

95th percentile per-packet one-way delay: 46.993 ms

Loss rate: 0.85%

Run 5: Report of Indigo-MusesT — Data Link



Run 1: Statistics of LEDBAT

Start at: 2019-07-18 05:23:47

End at: 2019-07-18 05:24:17

Local clock offset: 0.118 ms

Remote clock offset: -1.29 ms

Below is generated by plot.py at 2019-07-18 07:42:01

Datalink statistics

-- Total of 1 flow:

Average throughput: 63.08 Mbit/s

95th percentile per-packet one-way delay: 44.596 ms

Loss rate: 0.20%

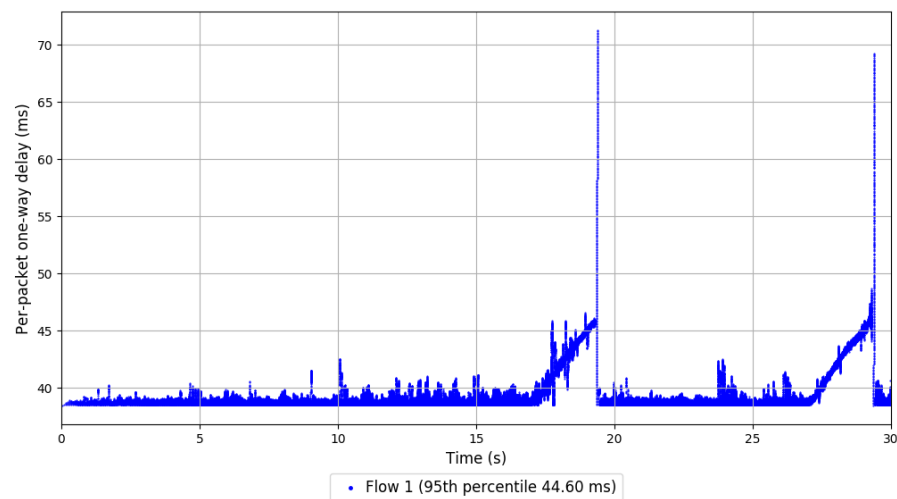
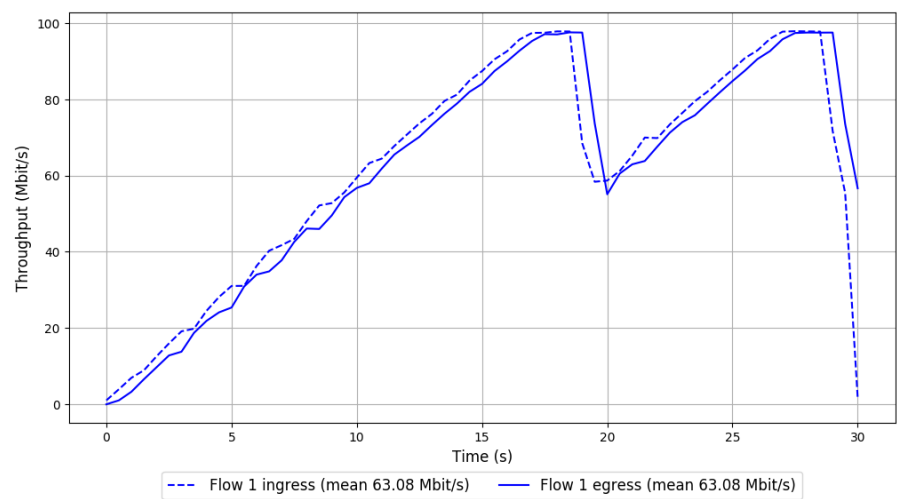
-- Flow 1:

Average throughput: 63.08 Mbit/s

95th percentile per-packet one-way delay: 44.596 ms

Loss rate: 0.20%

Run 1: Report of LEDBAT — Data Link

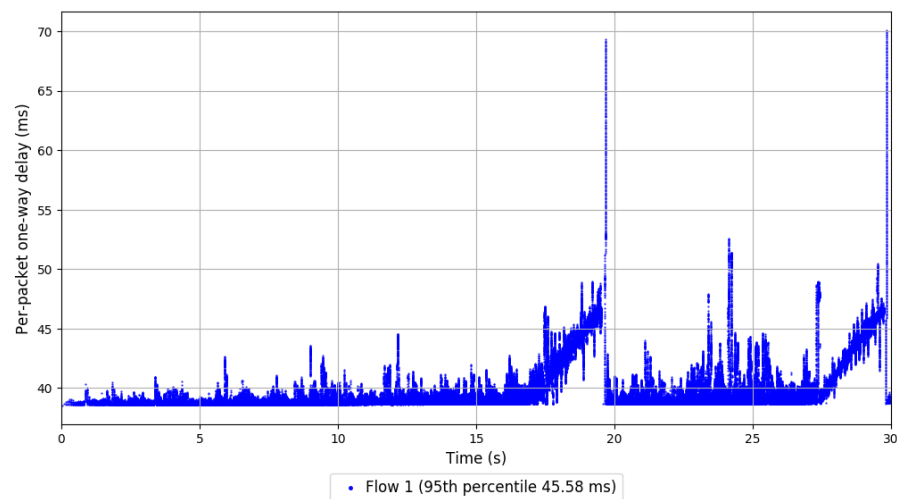
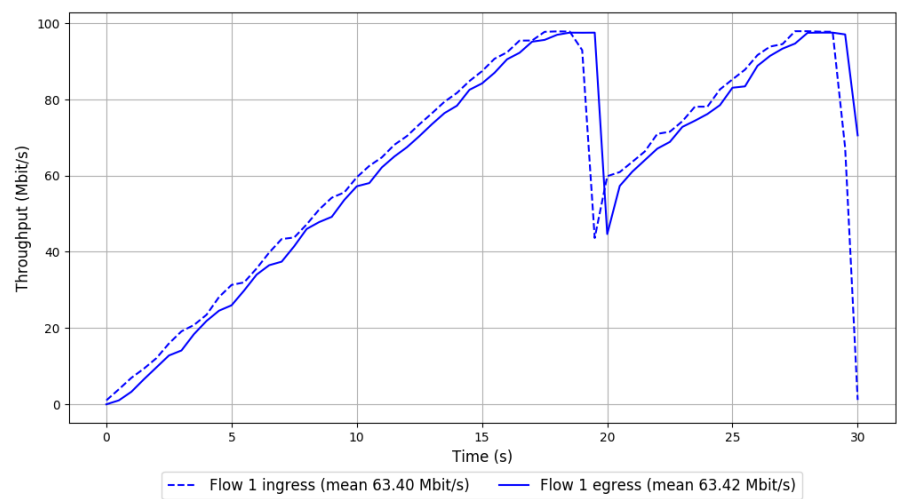


Run 2: Statistics of LEDBAT

Start at: 2019-07-18 05:56:50
End at: 2019-07-18 05:57:20
Local clock offset: -0.748 ms
Remote clock offset: -0.486 ms

Below is generated by plot.py at 2019-07-18 07:42:17
Datalink statistics
-- Total of 1 flow:
Average throughput: 63.42 Mbit/s
95th percentile per-packet one-way delay: 45.581 ms
Loss rate: 0.19%
-- Flow 1:
Average throughput: 63.42 Mbit/s
95th percentile per-packet one-way delay: 45.581 ms
Loss rate: 0.19%

Run 2: Report of LEDBAT — Data Link



Run 3: Statistics of LEDBAT

Start at: 2019-07-18 06:28:24

End at: 2019-07-18 06:28:54

Local clock offset: -3.078 ms

Remote clock offset: 0.424 ms

Below is generated by plot.py at 2019-07-18 07:42:18

Datalink statistics

-- Total of 1 flow:

Average throughput: 63.44 Mbit/s

95th percentile per-packet one-way delay: 44.809 ms

Loss rate: 0.20%

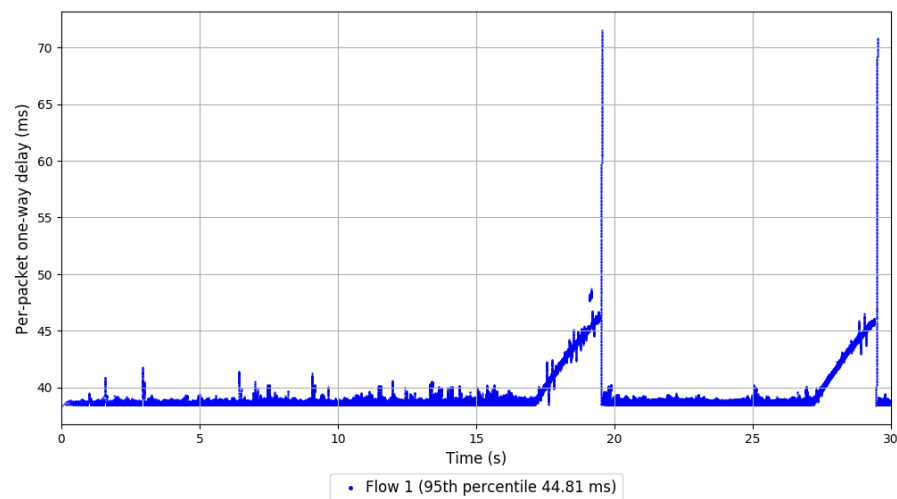
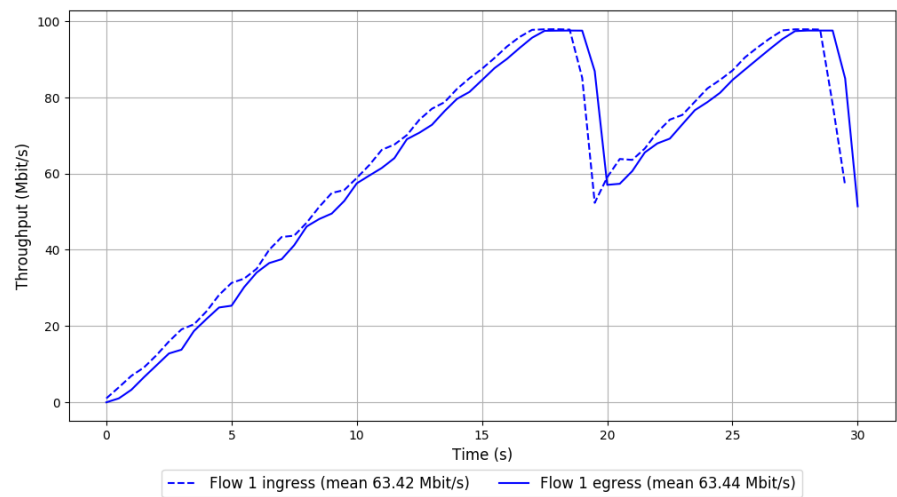
-- Flow 1:

Average throughput: 63.44 Mbit/s

95th percentile per-packet one-way delay: 44.809 ms

Loss rate: 0.20%

Run 3: Report of LEDBAT — Data Link



Run 4: Statistics of LEDBAT

Start at: 2019-07-18 06:59:33

End at: 2019-07-18 07:00:03

Local clock offset: -3.308 ms

Remote clock offset: 0.831 ms

Below is generated by plot.py at 2019-07-18 07:42:20

Datalink statistics

-- Total of 1 flow:

Average throughput: 63.36 Mbit/s

95th percentile per-packet one-way delay: 44.799 ms

Loss rate: 0.20%

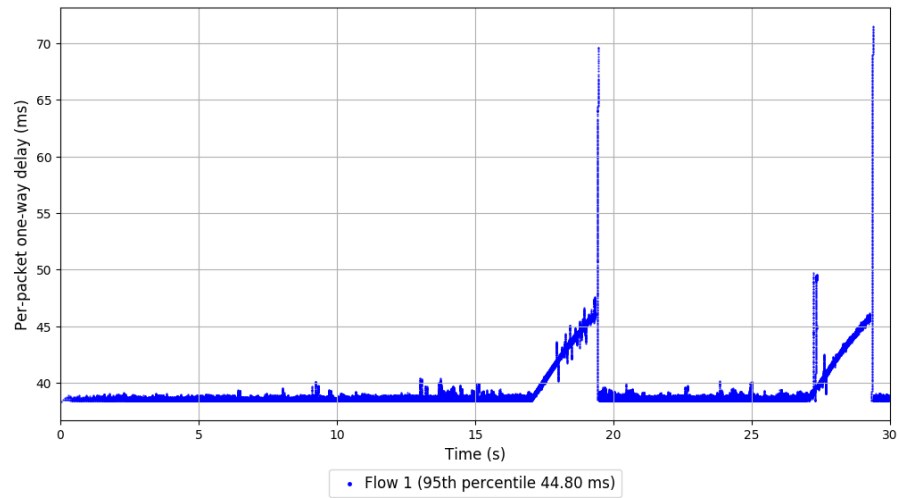
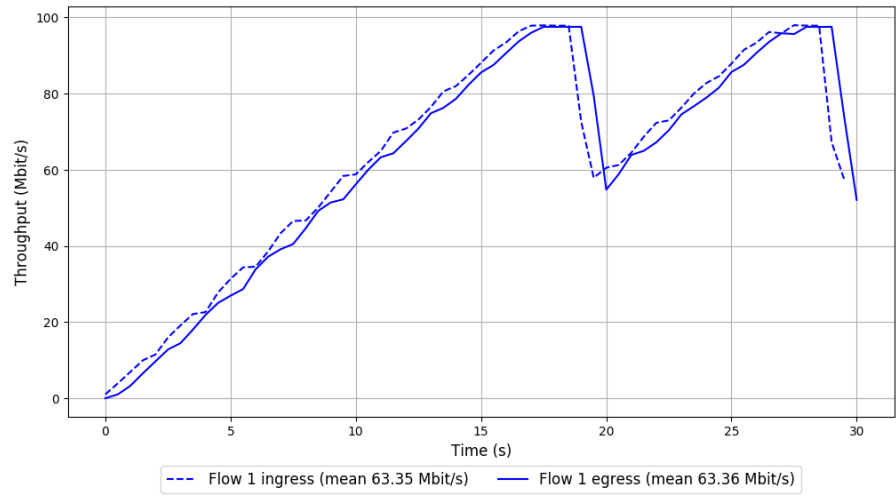
-- Flow 1:

Average throughput: 63.36 Mbit/s

95th percentile per-packet one-way delay: 44.799 ms

Loss rate: 0.20%

Run 4: Report of LEDBAT — Data Link



Run 5: Statistics of LEDBAT

Start at: 2019-07-18 07:30:11

End at: 2019-07-18 07:30:41

Local clock offset: -0.986 ms

Remote clock offset: 1.095 ms

Below is generated by plot.py at 2019-07-18 07:42:21

Datalink statistics

-- Total of 1 flow:

Average throughput: 63.46 Mbit/s

95th percentile per-packet one-way delay: 44.816 ms

Loss rate: 0.20%

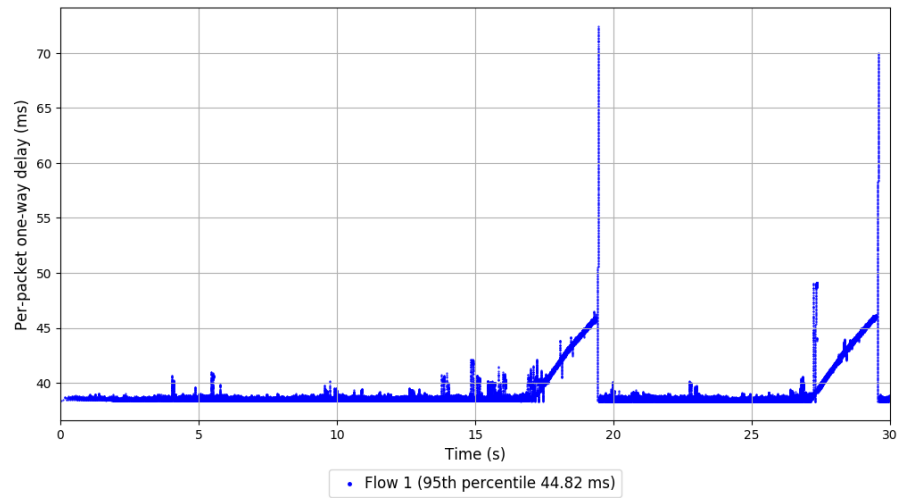
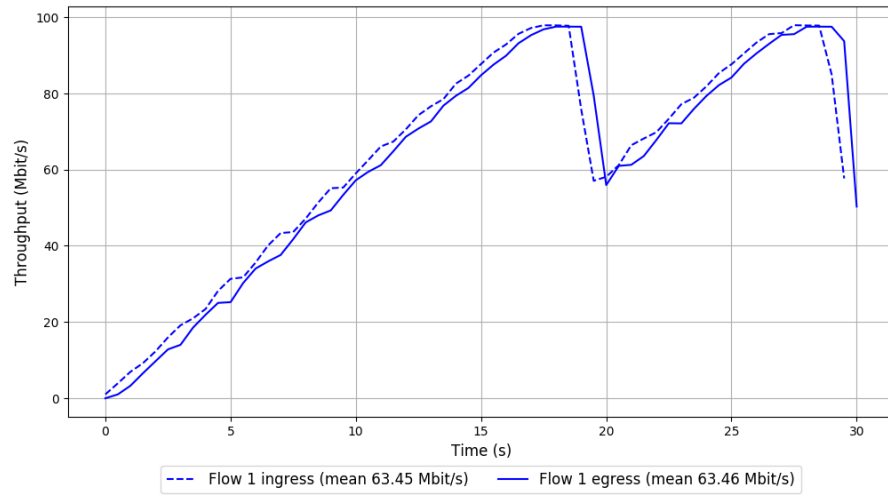
-- Flow 1:

Average throughput: 63.46 Mbit/s

95th percentile per-packet one-way delay: 44.816 ms

Loss rate: 0.20%

Run 5: Report of LEDBAT — Data Link

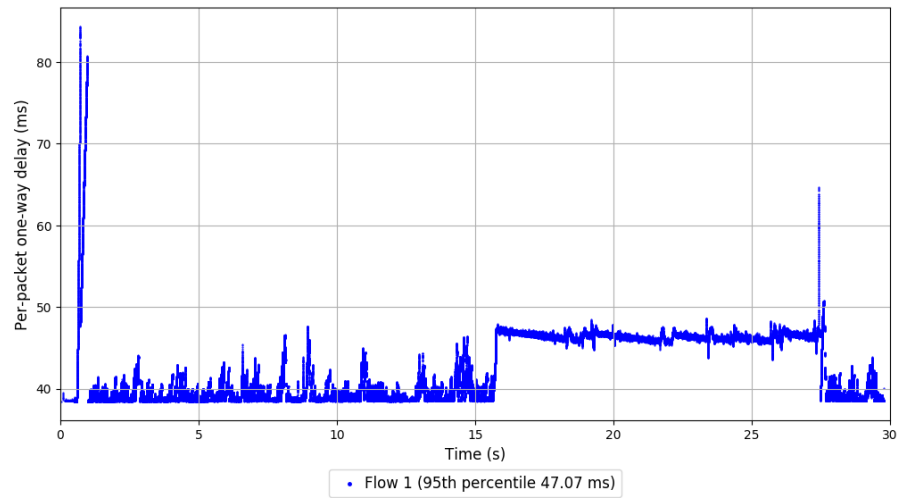
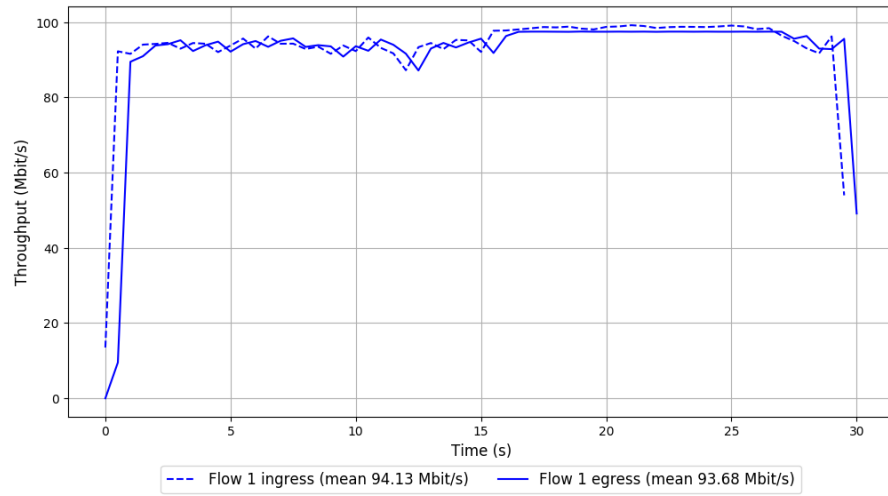


Run 1: Statistics of Muses_DecisionTree

Start at: 2019-07-18 04:46:47
End at: 2019-07-18 04:47:17
Local clock offset: 0.257 ms
Remote clock offset: -2.824 ms

Below is generated by plot.py at 2019-07-18 07:42:52
Datalink statistics
-- Total of 1 flow:
Average throughput: 93.68 Mbit/s
95th percentile per-packet one-way delay: 47.066 ms
Loss rate: 0.68%
-- Flow 1:
Average throughput: 93.68 Mbit/s
95th percentile per-packet one-way delay: 47.066 ms
Loss rate: 0.68%

Run 1: Report of Muses_DecisionTree — Data Link

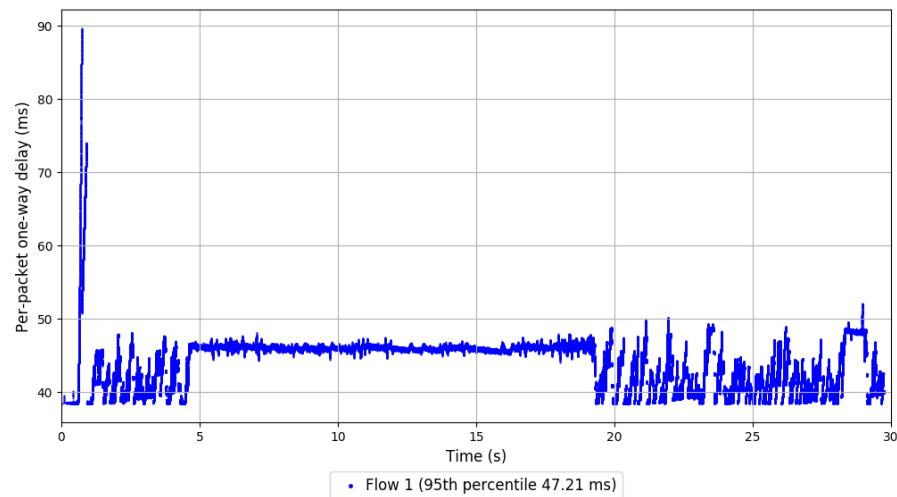
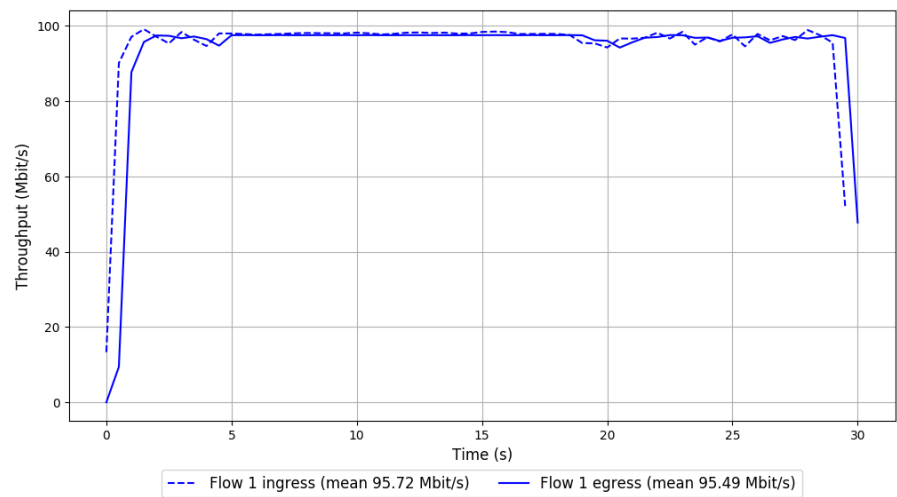


Run 2: Statistics of Muses_DecisionTree

Start at: 2019-07-18 05:28:14
End at: 2019-07-18 05:28:44
Local clock offset: 0.111 ms
Remote clock offset: -1.304 ms

Below is generated by plot.py at 2019-07-18 07:42:58
Datalink statistics
-- Total of 1 flow:
Average throughput: 95.49 Mbit/s
95th percentile per-packet one-way delay: 47.207 ms
Loss rate: 0.46%
-- Flow 1:
Average throughput: 95.49 Mbit/s
95th percentile per-packet one-way delay: 47.207 ms
Loss rate: 0.46%

Run 2: Report of Muses_DecisionTree — Data Link

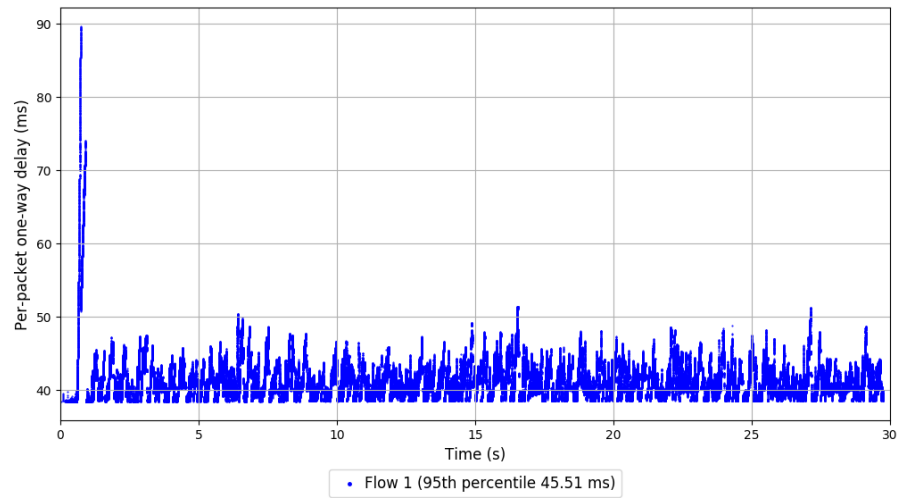
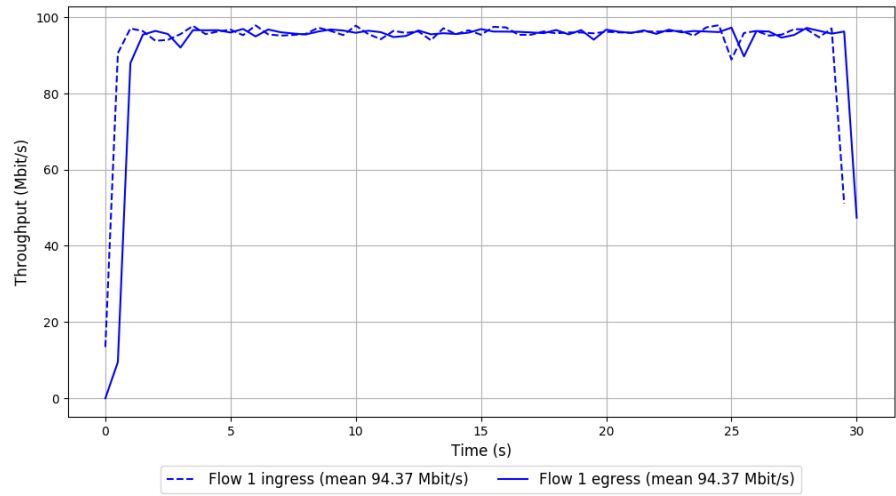


Run 3: Statistics of Muses_DecisionTree

Start at: 2019-07-18 06:01:09
End at: 2019-07-18 06:01:39
Local clock offset: -1.643 ms
Remote clock offset: -0.409 ms

Below is generated by plot.py at 2019-07-18 07:43:03
Datalink statistics
-- Total of 1 flow:
Average throughput: 94.37 Mbit/s
95th percentile per-packet one-way delay: 45.509 ms
Loss rate: 0.21%
-- Flow 1:
Average throughput: 94.37 Mbit/s
95th percentile per-packet one-way delay: 45.509 ms
Loss rate: 0.21%

Run 3: Report of Muses_DecisionTree — Data Link



Run 4: Statistics of Muses_DecisionTree

Start at: 2019-07-18 06:32:36

End at: 2019-07-18 06:33:06

Local clock offset: -3.161 ms

Remote clock offset: 0.386 ms

Below is generated by plot.py at 2019-07-18 07:43:08

Datalink statistics

-- Total of 1 flow:

Average throughput: 95.80 Mbit/s

95th percentile per-packet one-way delay: 46.687 ms

Loss rate: 0.60%

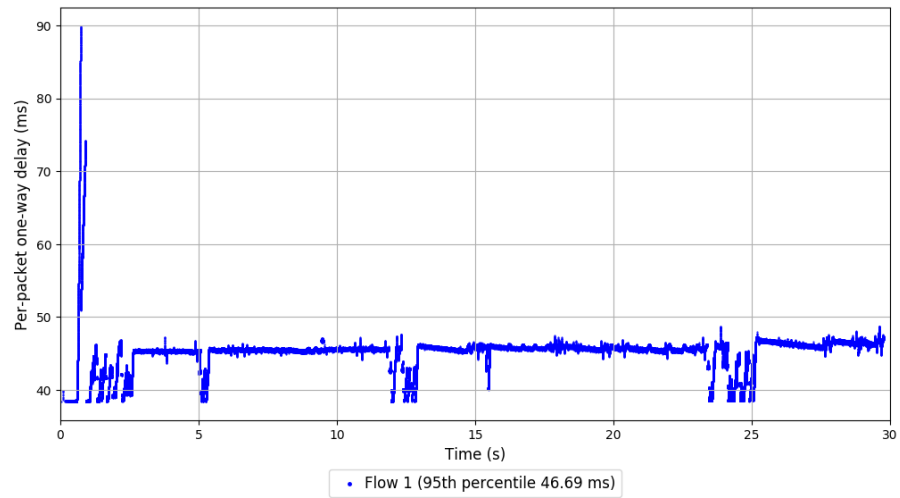
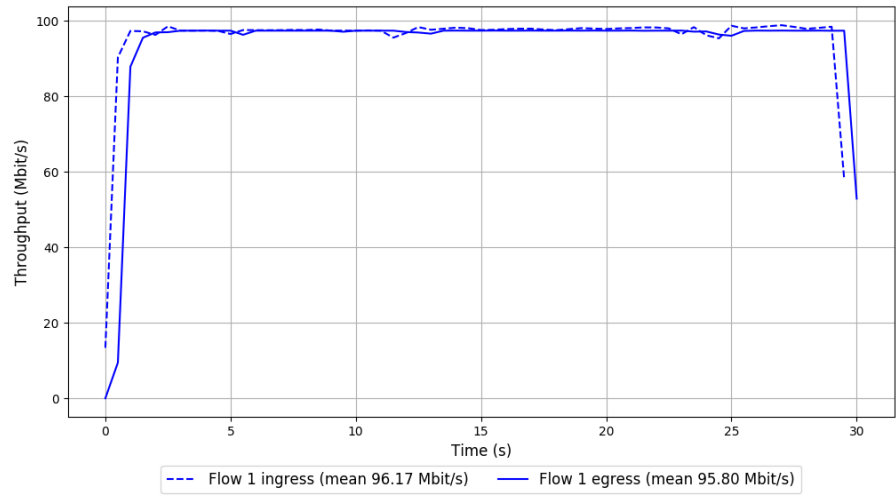
-- Flow 1:

Average throughput: 95.80 Mbit/s

95th percentile per-packet one-way delay: 46.687 ms

Loss rate: 0.60%

Run 4: Report of Muses_DecisionTree — Data Link



Run 5: Statistics of Muses_DecisionTree

Start at: 2019-07-18 07:03:25

End at: 2019-07-18 07:03:55

Local clock offset: -3.159 ms

Remote clock offset: 0.896 ms

Below is generated by plot.py at 2019-07-18 07:43:21

Datalink statistics

-- Total of 1 flow:

Average throughput: 95.79 Mbit/s

95th percentile per-packet one-way delay: 46.159 ms

Loss rate: 0.69%

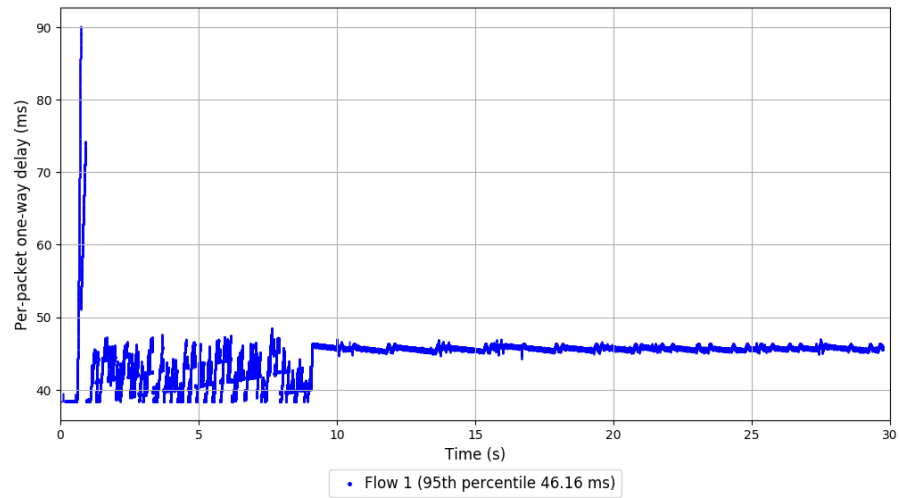
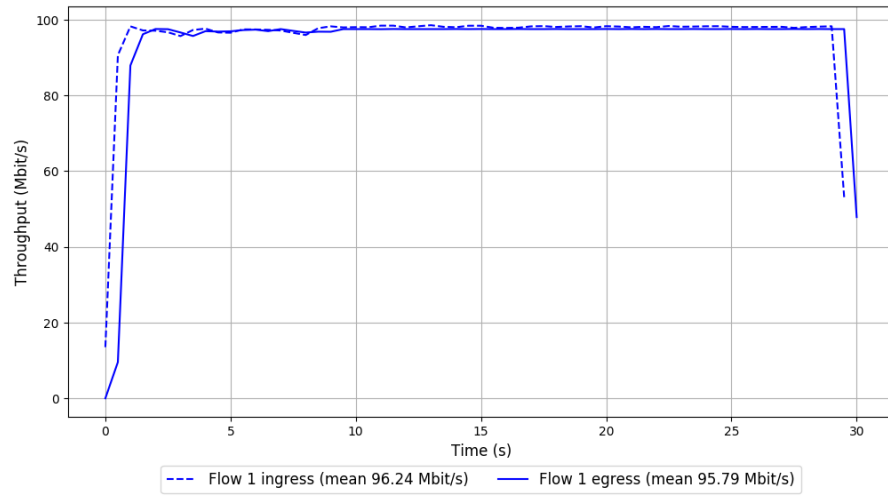
-- Flow 1:

Average throughput: 95.79 Mbit/s

95th percentile per-packet one-way delay: 46.159 ms

Loss rate: 0.69%

Run 5: Report of Muses_DecisionTree — Data Link

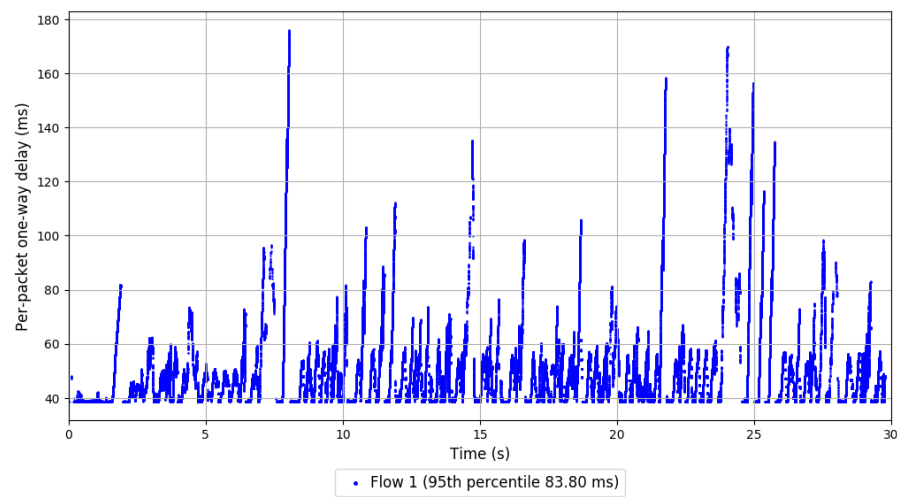
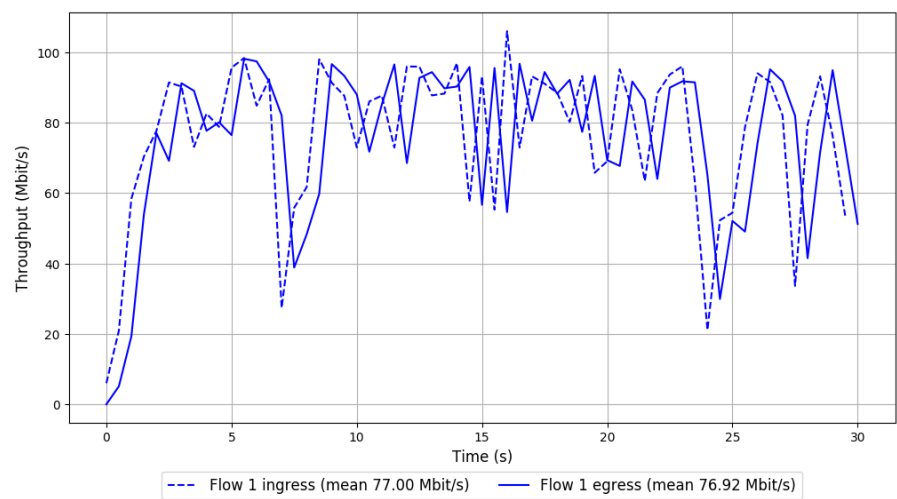


Run 1: Statistics of Muses_DecisionTreeH0

Start at: 2019-07-18 05:06:37
End at: 2019-07-18 05:07:07
Local clock offset: 0.243 ms
Remote clock offset: -2.052 ms

Below is generated by plot.py at 2019-07-18 07:43:21
Datalink statistics
-- Total of 1 flow:
Average throughput: 76.92 Mbit/s
95th percentile per-packet one-way delay: 83.798 ms
Loss rate: 0.32%
-- Flow 1:
Average throughput: 76.92 Mbit/s
95th percentile per-packet one-way delay: 83.798 ms
Loss rate: 0.32%

Run 1: Report of Muses_DecisionTreeH0 — Data Link

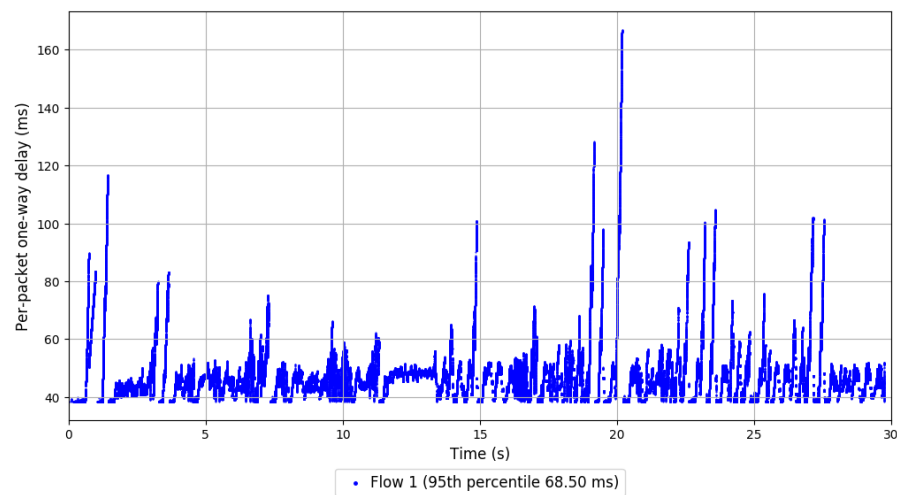
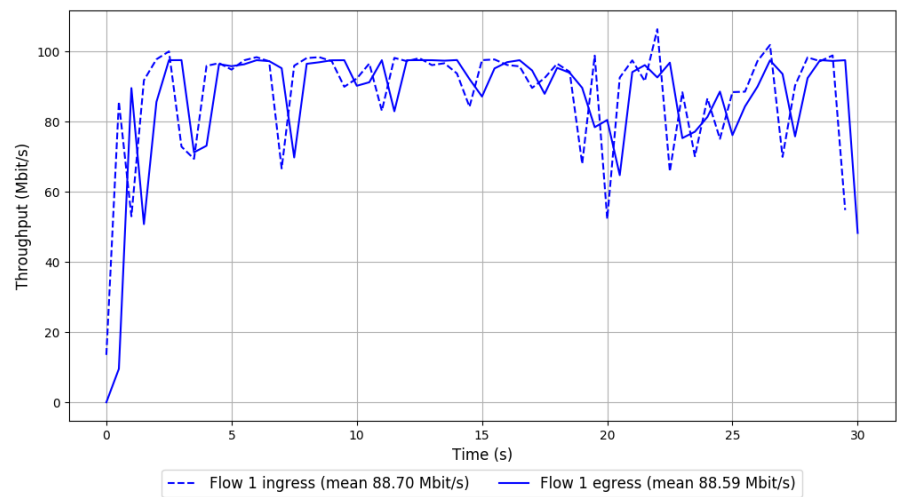


Run 2: Statistics of Muses_DecisionTreeH0

Start at: 2019-07-18 05:45:06
End at: 2019-07-18 05:45:36
Local clock offset: -0.042 ms
Remote clock offset: -0.852 ms

Below is generated by plot.py at 2019-07-18 07:43:21
Datalink statistics
-- Total of 1 flow:
Average throughput: 88.59 Mbit/s
95th percentile per-packet one-way delay: 68.500 ms
Loss rate: 0.34%
-- Flow 1:
Average throughput: 88.59 Mbit/s
95th percentile per-packet one-way delay: 68.500 ms
Loss rate: 0.34%

Run 2: Report of Muses_DecisionTreeH0 — Data Link

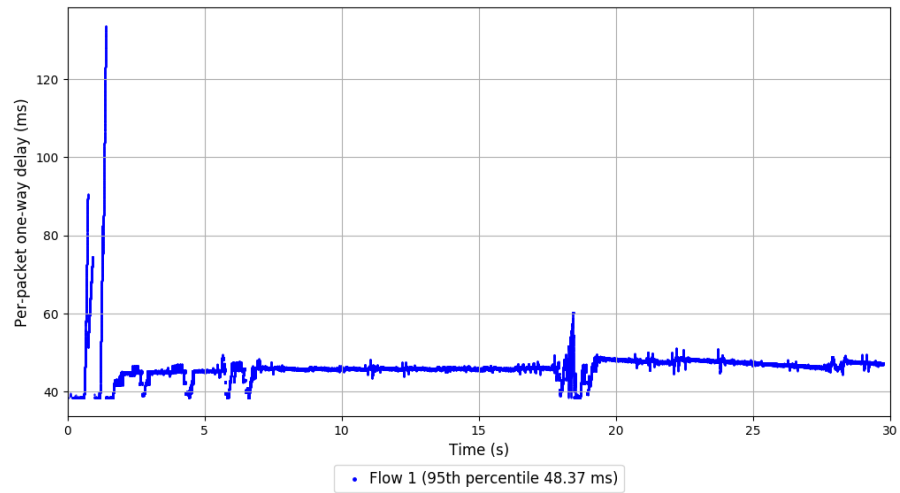
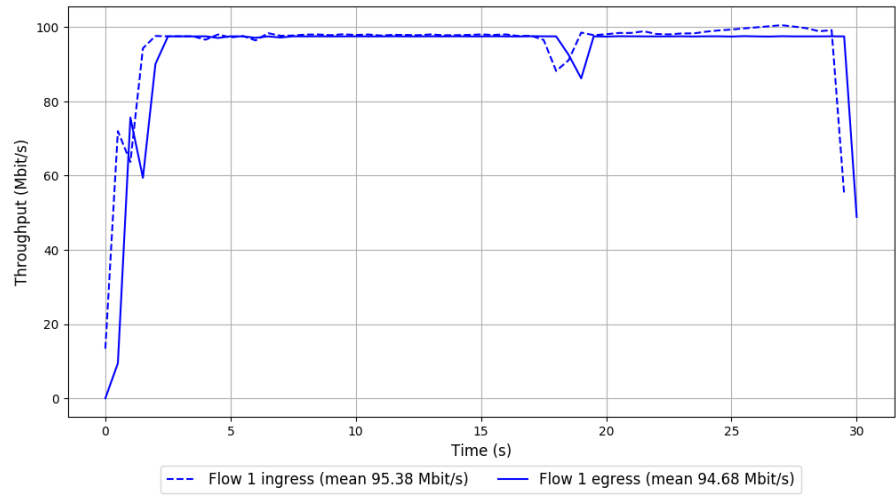


Run 3: Statistics of Muses_DecisionTreeH0

Start at: 2019-07-18 06:17:10
End at: 2019-07-18 06:17:40
Local clock offset: -2.806 ms
Remote clock offset: -0.044 ms

Below is generated by plot.py at 2019-07-18 07:43:25
Datalink statistics
-- Total of 1 flow:
Average throughput: 94.68 Mbit/s
95th percentile per-packet one-way delay: 48.371 ms
Loss rate: 0.94%
-- Flow 1:
Average throughput: 94.68 Mbit/s
95th percentile per-packet one-way delay: 48.371 ms
Loss rate: 0.94%

Run 3: Report of Muses_DecisionTreeH0 — Data Link



Run 4: Statistics of Muses_DecisionTreeH0

Start at: 2019-07-18 06:48:22

End at: 2019-07-18 06:48:52

Local clock offset: -3.539 ms

Remote clock offset: 0.697 ms

Below is generated by plot.py at 2019-07-18 07:43:58

Datalink statistics

-- Total of 1 flow:

Average throughput: 93.64 Mbit/s

95th percentile per-packet one-way delay: 51.408 ms

Loss rate: 2.31%

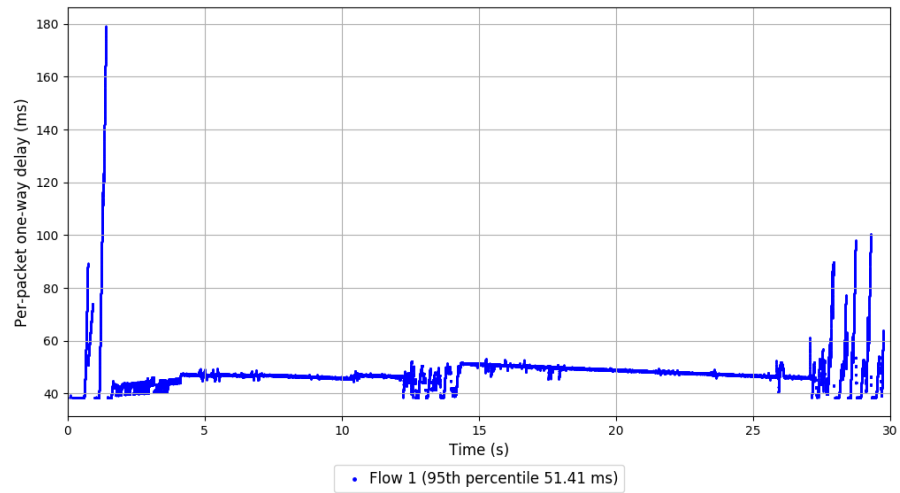
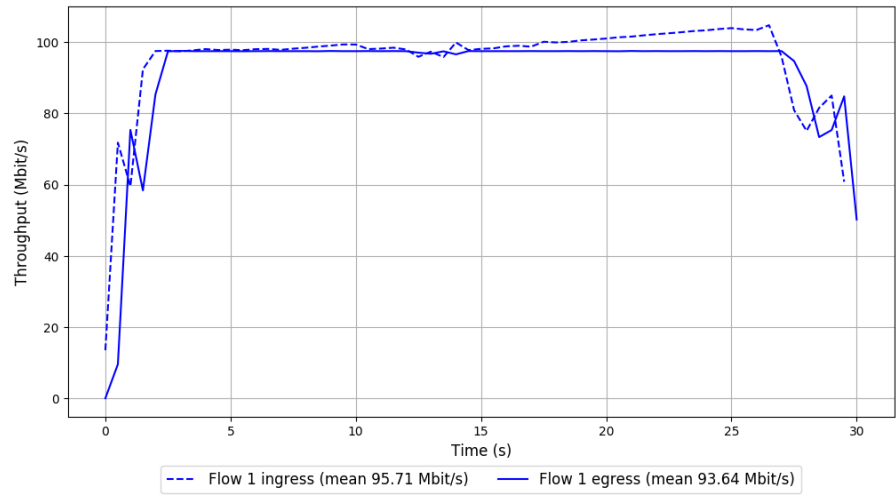
-- Flow 1:

Average throughput: 93.64 Mbit/s

95th percentile per-packet one-way delay: 51.408 ms

Loss rate: 2.31%

Run 4: Report of Muses_DecisionTreeH0 — Data Link



Run 5: Statistics of Muses_DecisionTreeH0

Start at: 2019-07-18 07:18:47

End at: 2019-07-18 07:19:17

Local clock offset: -3.017 ms

Remote clock offset: 1.064 ms

Below is generated by plot.py at 2019-07-18 07:44:01

Datalink statistics

-- Total of 1 flow:

Average throughput: 93.97 Mbit/s

95th percentile per-packet one-way delay: 53.329 ms

Loss rate: 1.32%

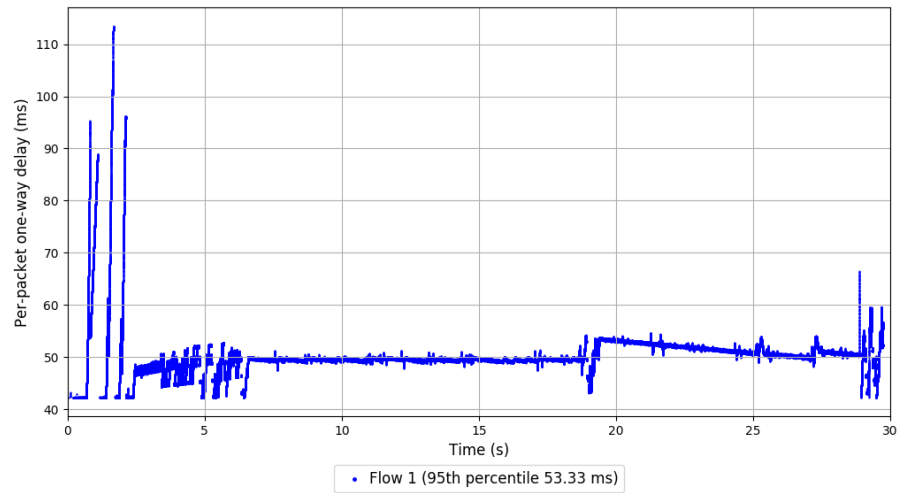
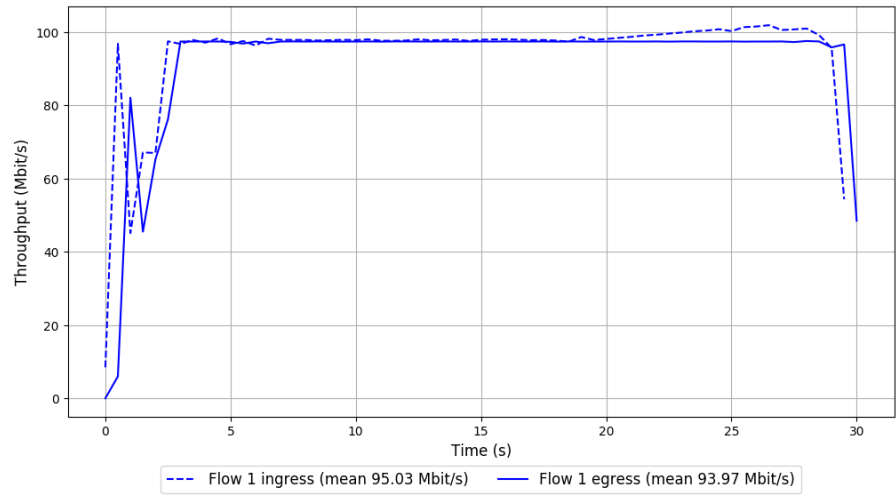
-- Flow 1:

Average throughput: 93.97 Mbit/s

95th percentile per-packet one-way delay: 53.329 ms

Loss rate: 1.32%

Run 5: Report of Muses_DecisionTreeH0 — Data Link

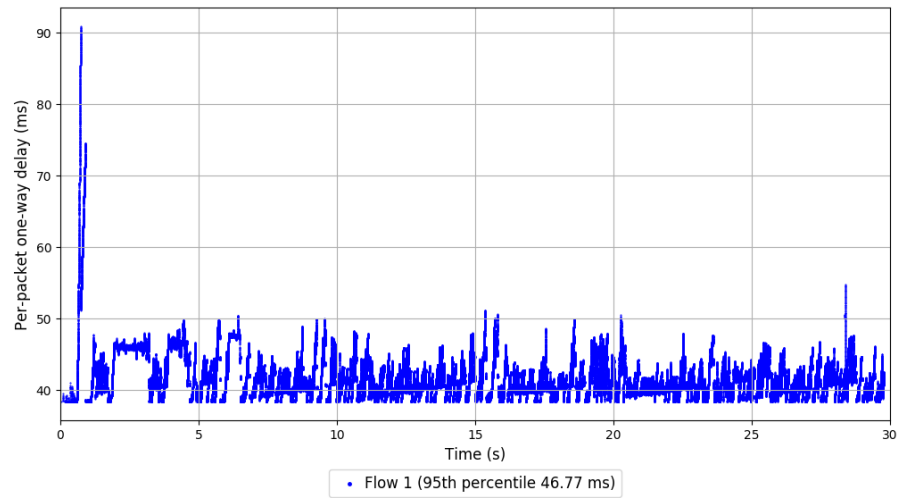
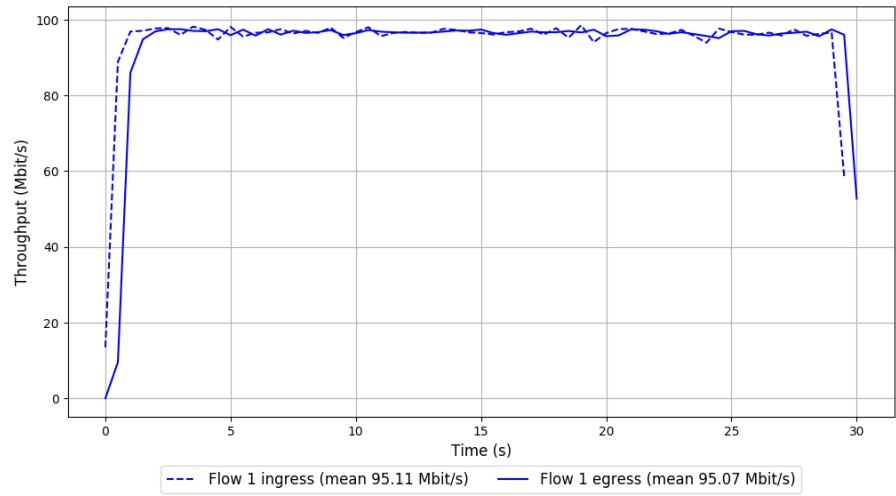


Run 1: Statistics of Muses_DecisionTreeR0

Start at: 2019-07-18 04:58:18
End at: 2019-07-18 04:58:48
Local clock offset: 0.247 ms
Remote clock offset: -2.379 ms

Below is generated by plot.py at 2019-07-18 07:44:07
Datalink statistics
-- Total of 1 flow:
Average throughput: 95.07 Mbit/s
95th percentile per-packet one-way delay: 46.773 ms
Loss rate: 0.25%
-- Flow 1:
Average throughput: 95.07 Mbit/s
95th percentile per-packet one-way delay: 46.773 ms
Loss rate: 0.25%

Run 1: Report of Muses_DecisionTreeR0 — Data Link

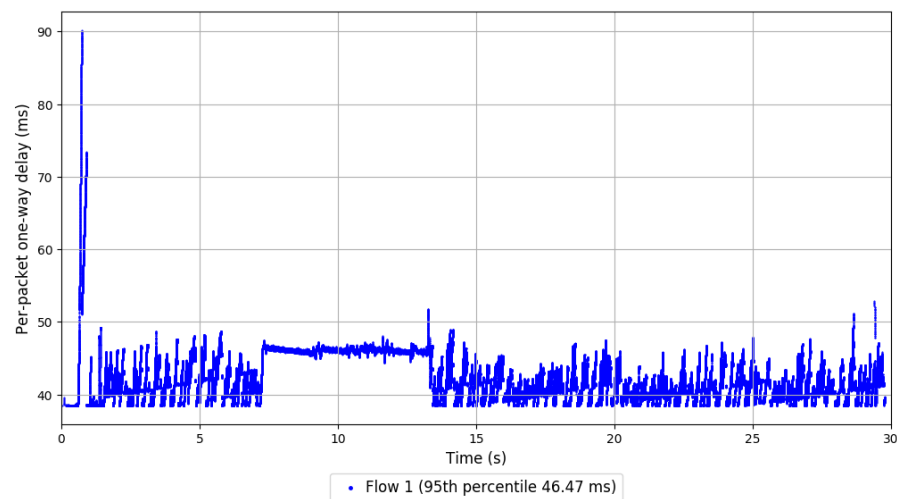
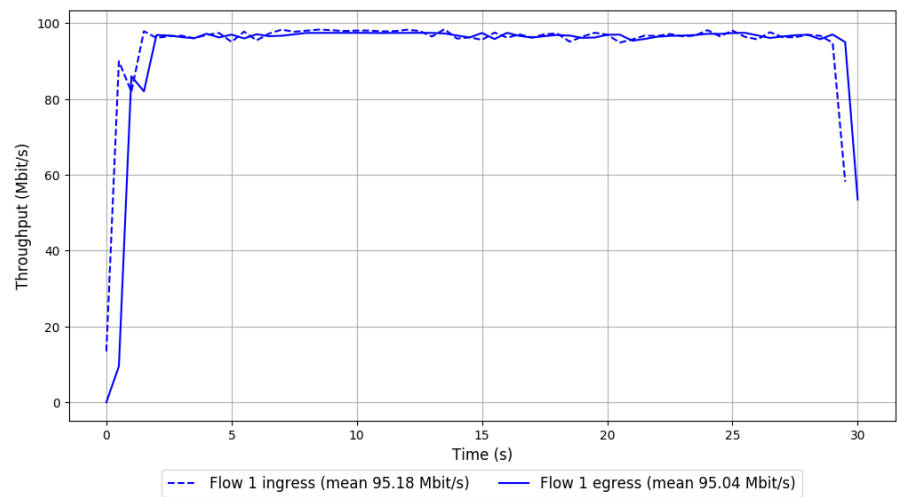


Run 2: Statistics of Muses_DecisionTreeR0

Start at: 2019-07-18 05:38:32
End at: 2019-07-18 05:39:02
Local clock offset: 0.05 ms
Remote clock offset: -1.059 ms

Below is generated by plot.py at 2019-07-18 07:44:12
Datalink statistics
-- Total of 1 flow:
Average throughput: 95.04 Mbit/s
95th percentile per-packet one-way delay: 46.467 ms
Loss rate: 0.36%
-- Flow 1:
Average throughput: 95.04 Mbit/s
95th percentile per-packet one-way delay: 46.467 ms
Loss rate: 0.36%

Run 2: Report of Muses_DecisionTreeR0 — Data Link

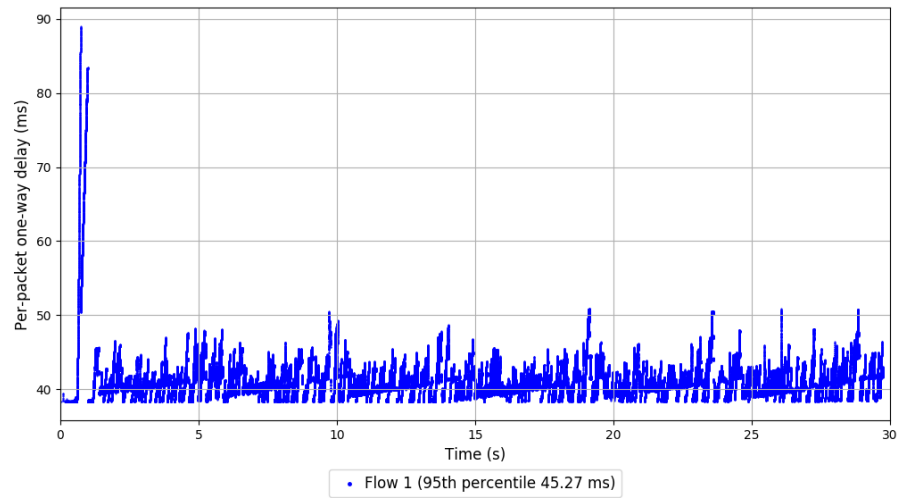
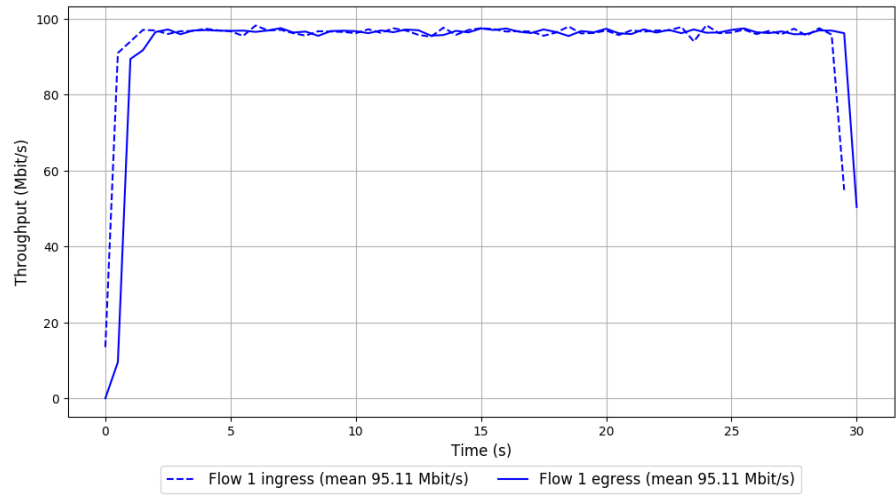


Run 3: Statistics of Muses_DecisionTreeR0

Start at: 2019-07-18 06:10:44
End at: 2019-07-18 06:11:14
Local clock offset: -2.572 ms
Remote clock offset: -0.122 ms

Below is generated by plot.py at 2019-07-18 07:44:16
Datalink statistics
-- Total of 1 flow:
Average throughput: 95.11 Mbit/s
95th percentile per-packet one-way delay: 45.270 ms
Loss rate: 0.22%
-- Flow 1:
Average throughput: 95.11 Mbit/s
95th percentile per-packet one-way delay: 45.270 ms
Loss rate: 0.22%

Run 3: Report of Muses_DecisionTreeR0 — Data Link



Run 4: Statistics of Muses_DecisionTreeR0

Start at: 2019-07-18 06:42:10

End at: 2019-07-18 06:42:40

Local clock offset: -3.374 ms

Remote clock offset: 0.634 ms

Below is generated by plot.py at 2019-07-18 07:44:23

Datalink statistics

-- Total of 1 flow:

Average throughput: 95.45 Mbit/s

95th percentile per-packet one-way delay: 46.318 ms

Loss rate: 0.37%

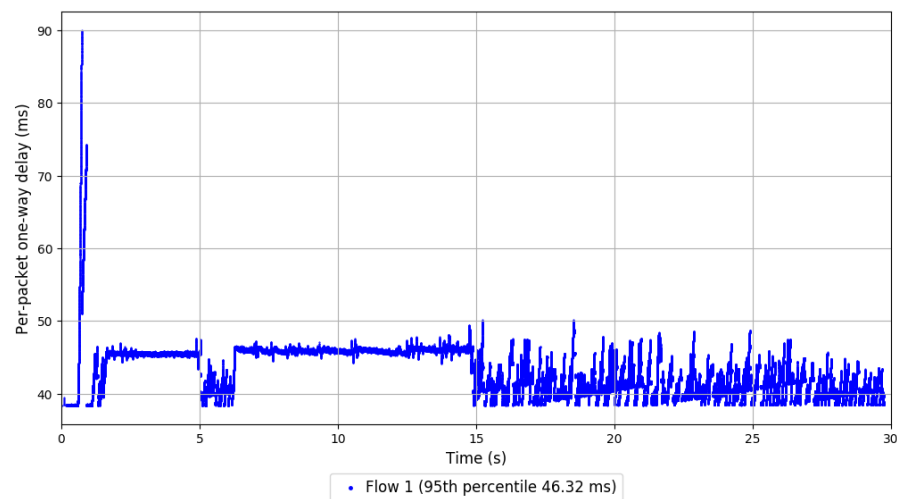
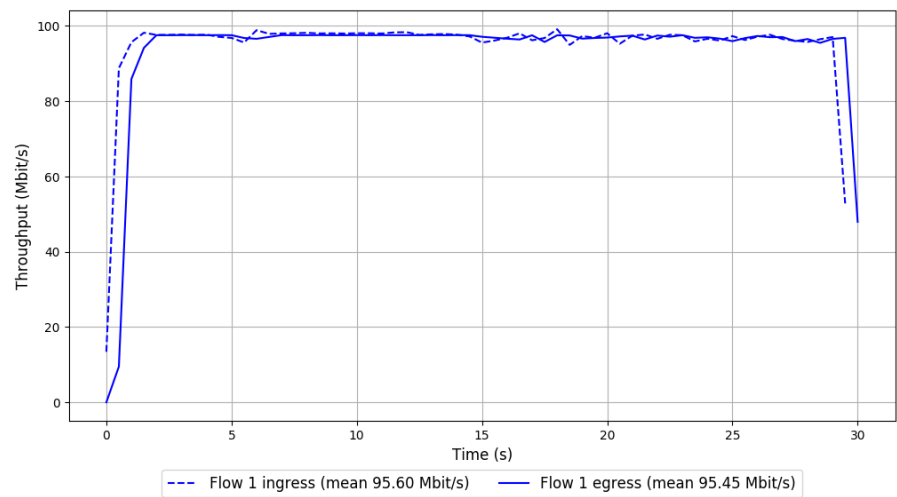
-- Flow 1:

Average throughput: 95.45 Mbit/s

95th percentile per-packet one-way delay: 46.318 ms

Loss rate: 0.37%

Run 4: Report of Muses_DecisionTreeR0 — Data Link



Run 5: Statistics of Muses_DecisionTreeR0

Start at: 2019-07-18 07:12:27

End at: 2019-07-18 07:12:57

Local clock offset: -3.002 ms

Remote clock offset: 0.904 ms

Below is generated by plot.py at 2019-07-18 07:44:25

Datalink statistics

-- Total of 1 flow:

Average throughput: 94.98 Mbit/s

95th percentile per-packet one-way delay: 46.117 ms

Loss rate: 0.25%

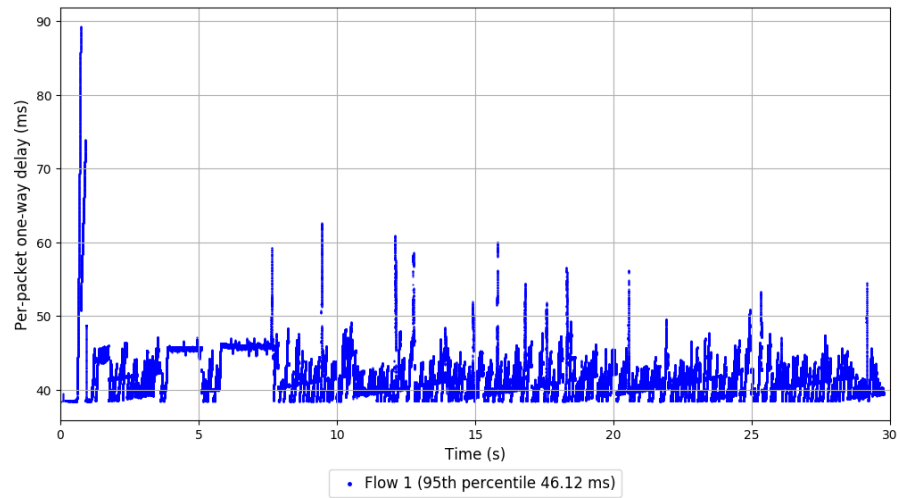
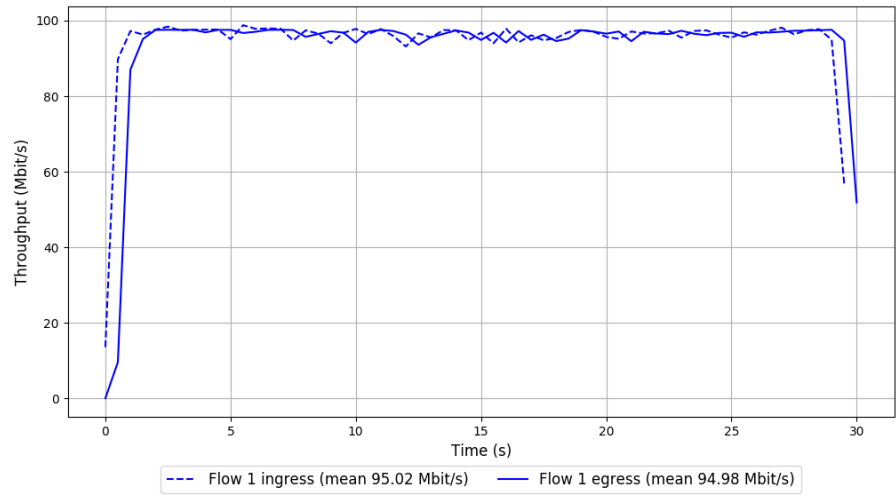
-- Flow 1:

Average throughput: 94.98 Mbit/s

95th percentile per-packet one-way delay: 46.117 ms

Loss rate: 0.25%

Run 5: Report of Muses_DecisionTreeR0 — Data Link



Run 1: Statistics of PCC-Allegro

Start at: 2019-07-18 05:16:59

End at: 2019-07-18 05:17:29

Local clock offset: 0.231 ms

Remote clock offset: -1.634 ms

Below is generated by plot.py at 2019-07-18 07:44:28

Datalink statistics

-- Total of 1 flow:

Average throughput: 91.44 Mbit/s

95th percentile per-packet one-way delay: 45.133 ms

Loss rate: 0.27%

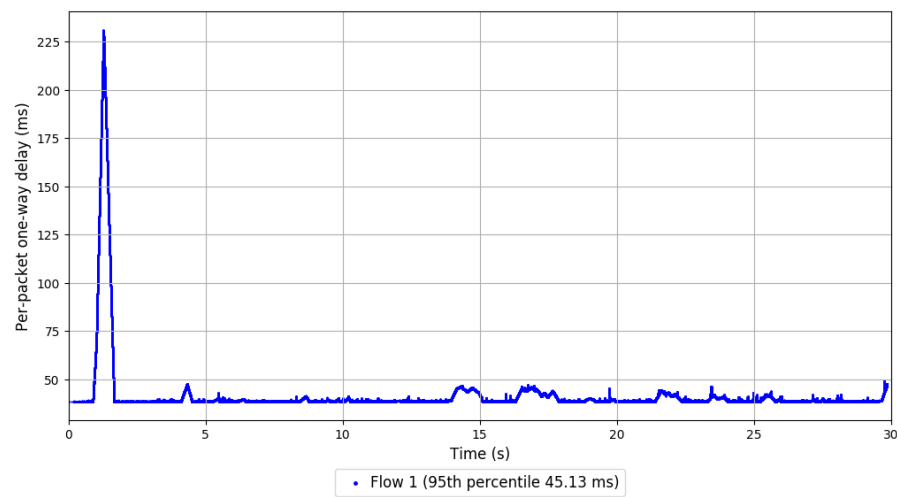
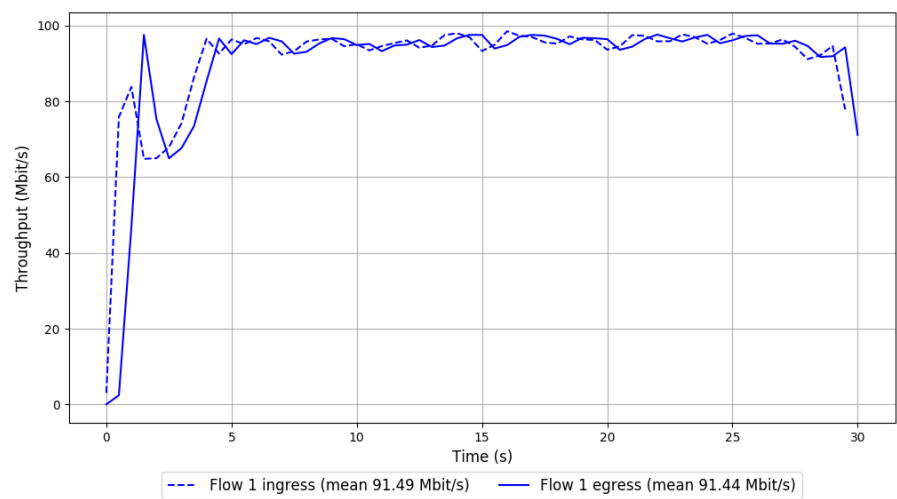
-- Flow 1:

Average throughput: 91.44 Mbit/s

95th percentile per-packet one-way delay: 45.133 ms

Loss rate: 0.27%

Run 1: Report of PCC-Allegro — Data Link



Run 2: Statistics of PCC-Allegro

Start at: 2019-07-18 05:51:44

End at: 2019-07-18 05:52:14

Local clock offset: -0.151 ms

Remote clock offset: -0.56 ms

Below is generated by plot.py at 2019-07-18 07:44:58

Datalink statistics

-- Total of 1 flow:

Average throughput: 91.02 Mbit/s

95th percentile per-packet one-way delay: 46.577 ms

Loss rate: 0.29%

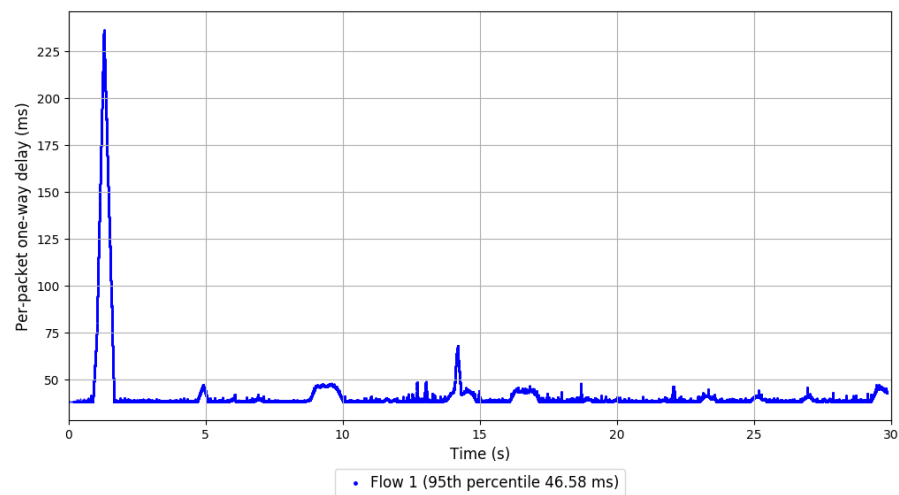
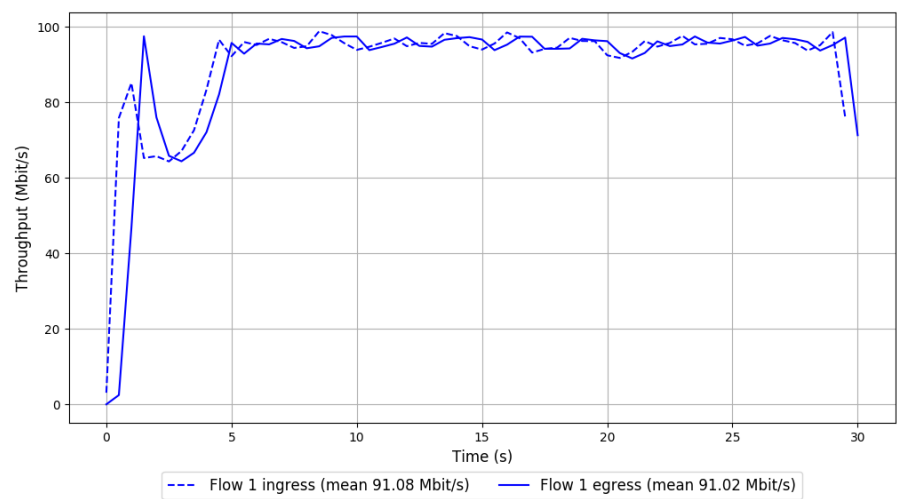
-- Flow 1:

Average throughput: 91.02 Mbit/s

95th percentile per-packet one-way delay: 46.577 ms

Loss rate: 0.29%

Run 2: Report of PCC-Allegro — Data Link



Run 3: Statistics of PCC-Allegro

Start at: 2019-07-18 06:23:19

End at: 2019-07-18 06:23:49

Local clock offset: -2.964 ms

Remote clock offset: 0.185 ms

Below is generated by plot.py at 2019-07-18 07:45:01

Datalink statistics

-- Total of 1 flow:

Average throughput: 92.36 Mbit/s

95th percentile per-packet one-way delay: 44.429 ms

Loss rate: 0.26%

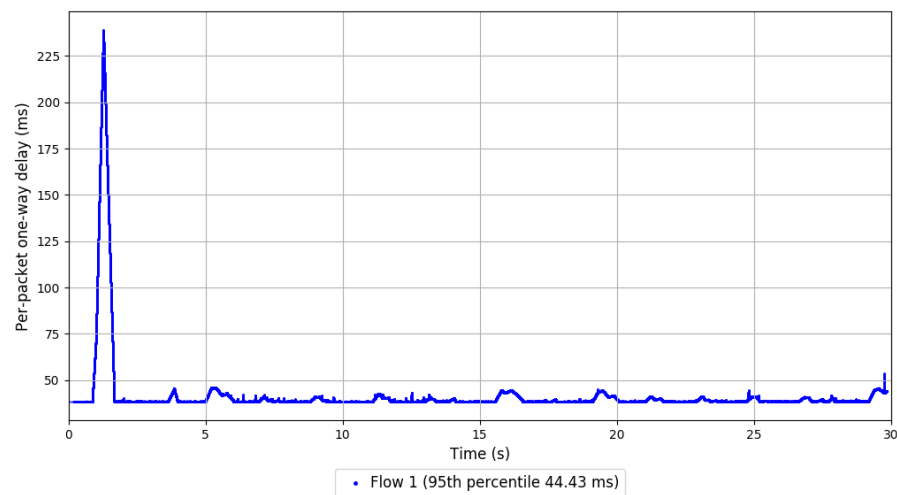
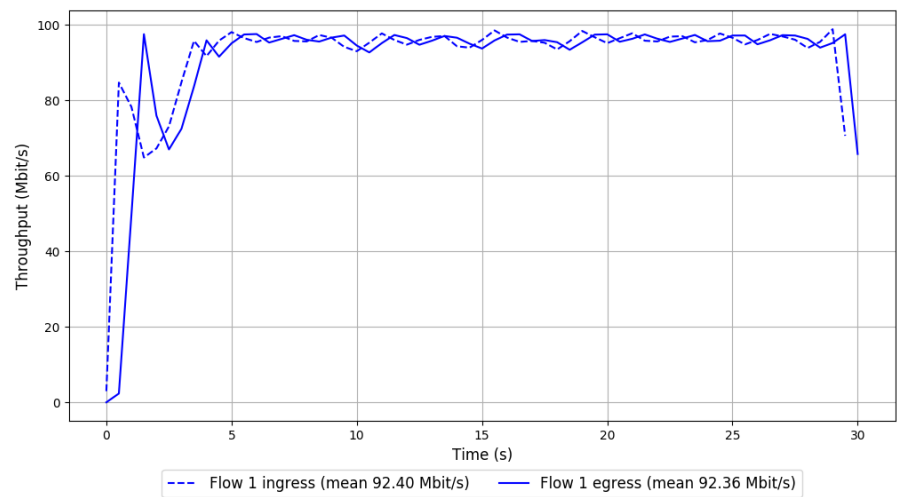
-- Flow 1:

Average throughput: 92.36 Mbit/s

95th percentile per-packet one-way delay: 44.429 ms

Loss rate: 0.26%

Run 3: Report of PCC-Allegro — Data Link



Run 4: Statistics of PCC-Allegro

Start at: 2019-07-18 06:54:38

End at: 2019-07-18 06:55:08

Local clock offset: -3.732 ms

Remote clock offset: 0.715 ms

Below is generated by plot.py at 2019-07-18 07:45:05

Datalink statistics

-- Total of 1 flow:

Average throughput: 91.94 Mbit/s

95th percentile per-packet one-way delay: 48.015 ms

Loss rate: 0.27%

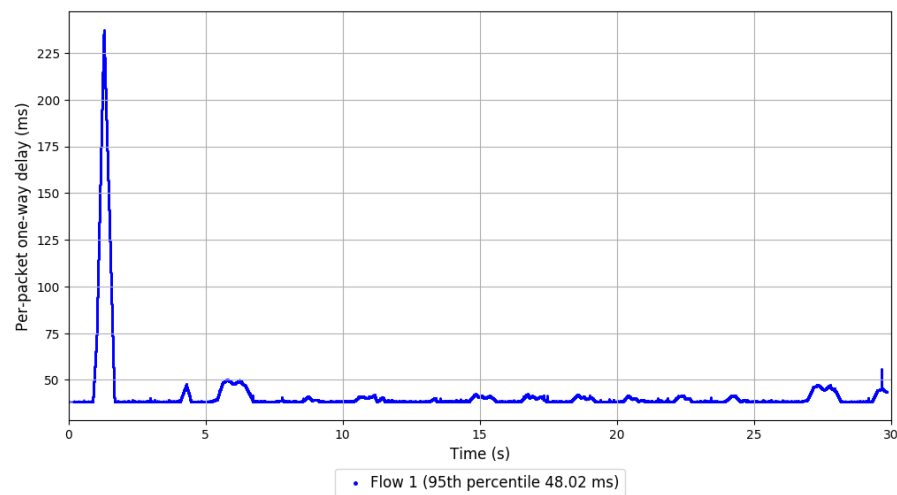
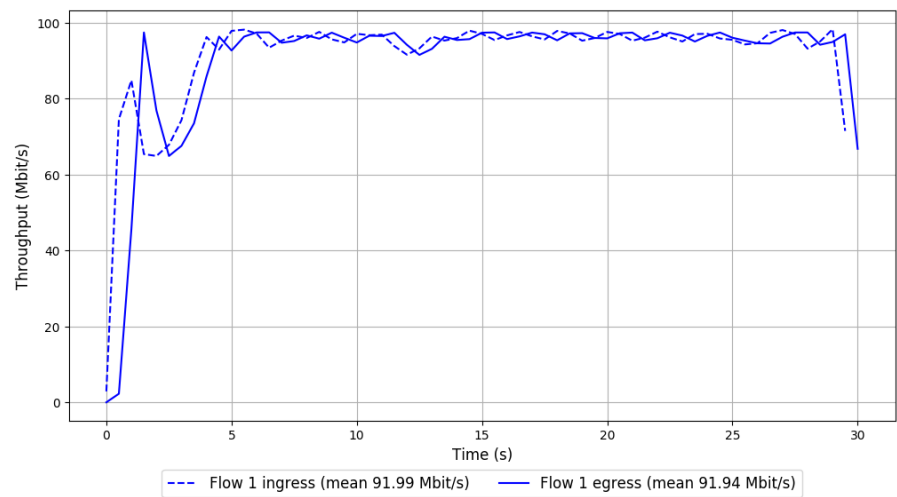
-- Flow 1:

Average throughput: 91.94 Mbit/s

95th percentile per-packet one-way delay: 48.015 ms

Loss rate: 0.27%

Run 4: Report of PCC-Allegro — Data Link



Run 5: Statistics of PCC-Allegro

Start at: 2019-07-18 07:25:17

End at: 2019-07-18 07:25:47

Local clock offset: -2.841 ms

Remote clock offset: 1.084 ms

Below is generated by plot.py at 2019-07-18 07:45:08

Datalink statistics

-- Total of 1 flow:

Average throughput: 91.61 Mbit/s

95th percentile per-packet one-way delay: 43.084 ms

Loss rate: 0.34%

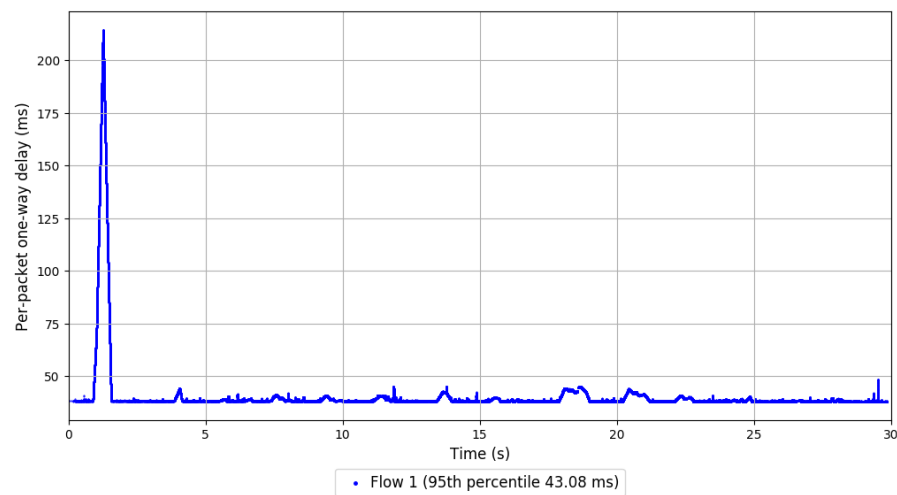
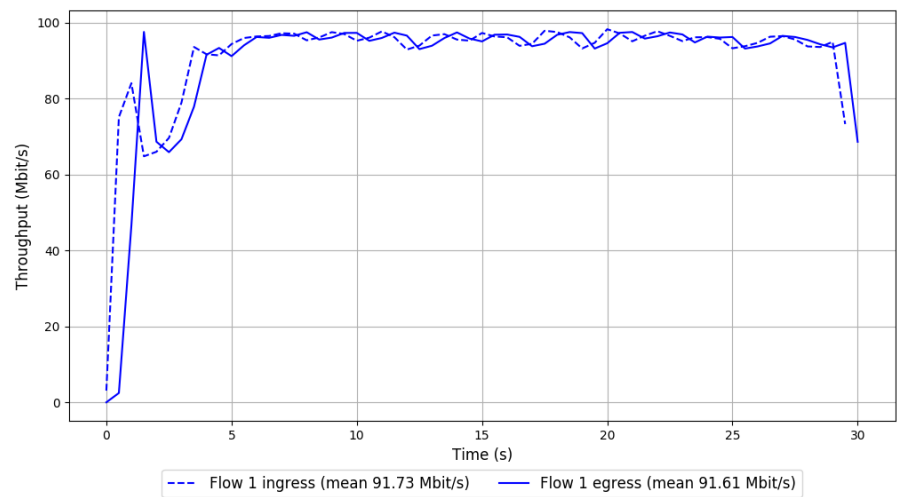
-- Flow 1:

Average throughput: 91.61 Mbit/s

95th percentile per-packet one-way delay: 43.084 ms

Loss rate: 0.34%

Run 5: Report of PCC-Allegro — Data Link

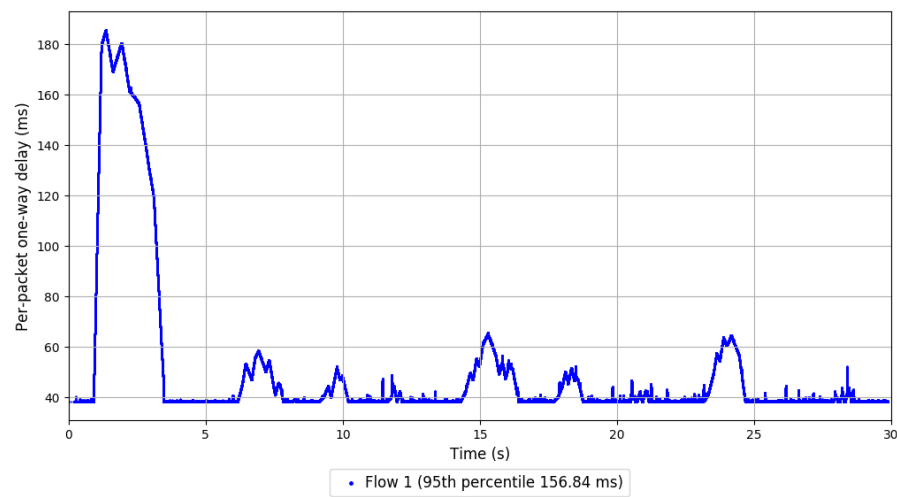
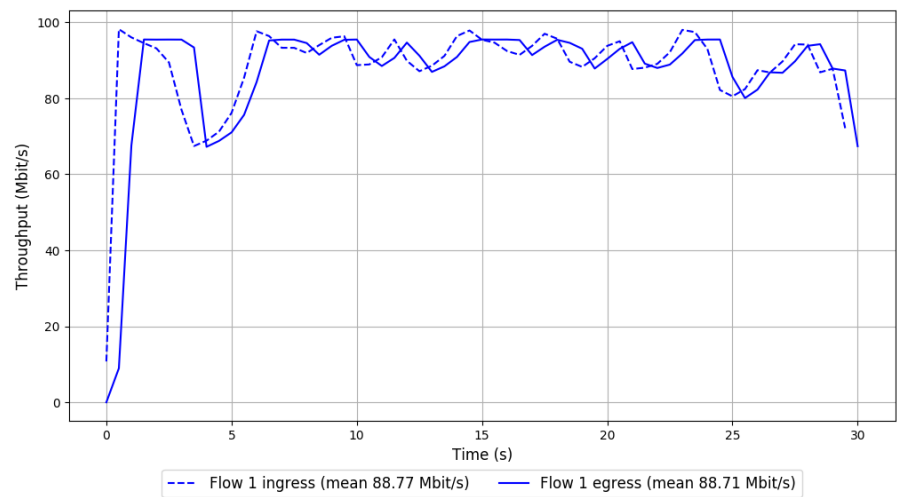


```
Run 1: Statistics of PCC-Expr

Start at: 2019-07-18 05:25:06
End at: 2019-07-18 05:25:36
Local clock offset: 0.123 ms
Remote clock offset: -1.255 ms

# Below is generated by plot.py at 2019-07-18 07:46:01
# Datalink statistics
-- Total of 1 flow:
Average throughput: 88.71 Mbit/s
95th percentile per-packet one-way delay: 156.845 ms
Loss rate: 0.28%
-- Flow 1:
Average throughput: 88.71 Mbit/s
95th percentile per-packet one-way delay: 156.845 ms
Loss rate: 0.28%
```

Run 1: Report of PCC-Expr — Data Link

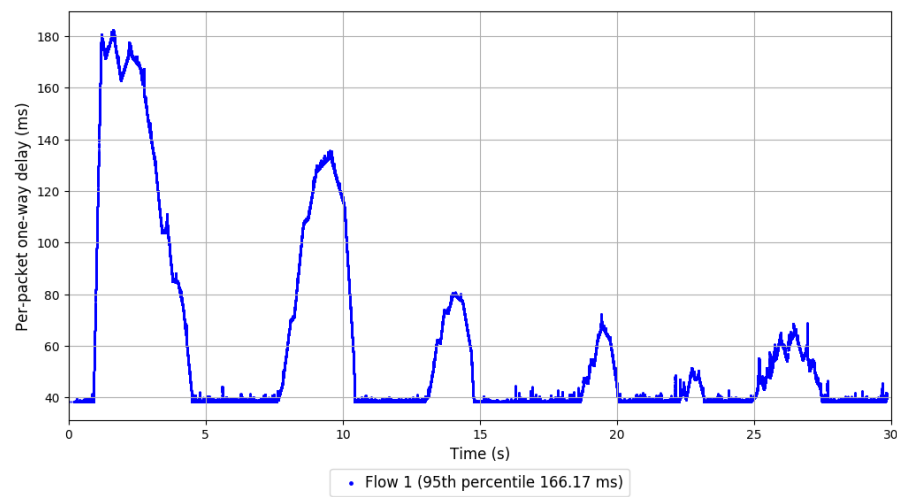
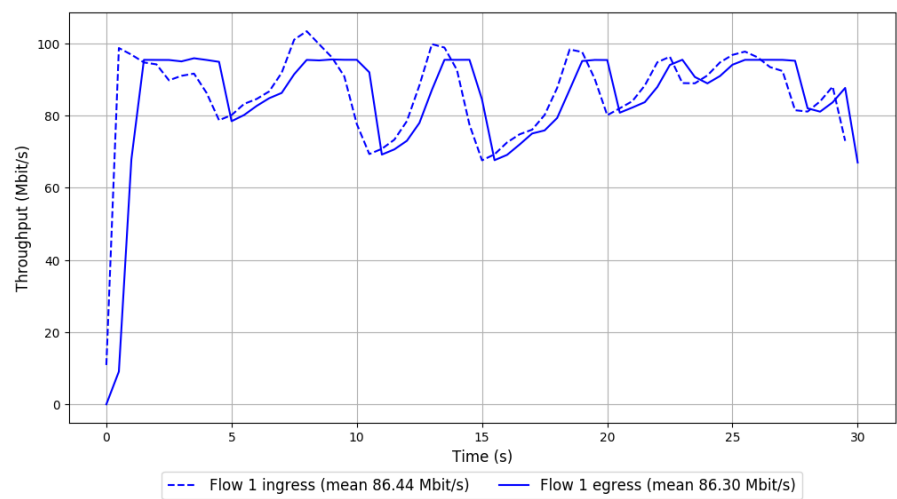


Run 2: Statistics of PCC-Expr

Start at: 2019-07-18 05:58:07
End at: 2019-07-18 05:58:37
Local clock offset: -1.118 ms
Remote clock offset: -0.476 ms

Below is generated by plot.py at 2019-07-18 07:46:08
Datalink statistics
-- Total of 1 flow:
Average throughput: 86.30 Mbit/s
95th percentile per-packet one-way delay: 166.171 ms
Loss rate: 0.38%
-- Flow 1:
Average throughput: 86.30 Mbit/s
95th percentile per-packet one-way delay: 166.171 ms
Loss rate: 0.38%

Run 2: Report of PCC-Expr — Data Link



Run 3: Statistics of PCC-Expr

Start at: 2019-07-18 06:29:36

End at: 2019-07-18 06:30:06

Local clock offset: -3.07 ms

Remote clock offset: 0.339 ms

Below is generated by plot.py at 2019-07-18 07:46:10

Datalink statistics

-- Total of 1 flow:

Average throughput: 85.22 Mbit/s

95th percentile per-packet one-way delay: 166.407 ms

Loss rate: 0.30%

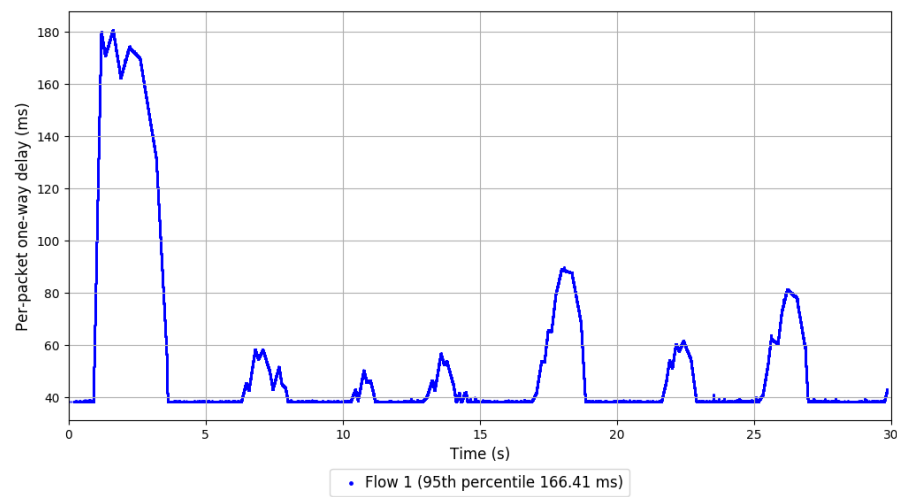
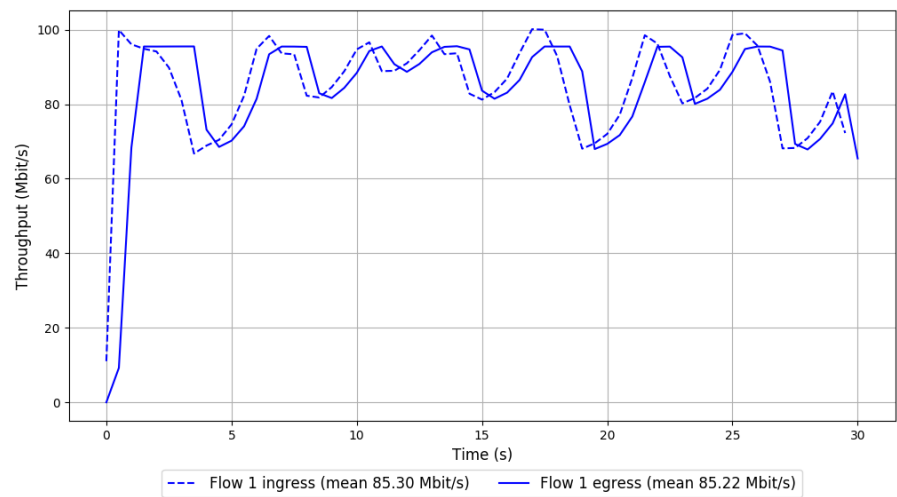
-- Flow 1:

Average throughput: 85.22 Mbit/s

95th percentile per-packet one-way delay: 166.407 ms

Loss rate: 0.30%

Run 3: Report of PCC-Expr — Data Link



Run 4: Statistics of PCC-Expr

Start at: 2019-07-18 07:00:50

End at: 2019-07-18 07:01:20

Local clock offset: -3.268 ms

Remote clock offset: 0.859 ms

Below is generated by plot.py at 2019-07-18 07:46:17

Datalink statistics

-- Total of 1 flow:

Average throughput: 86.47 Mbit/s

95th percentile per-packet one-way delay: 171.009 ms

Loss rate: 0.35%

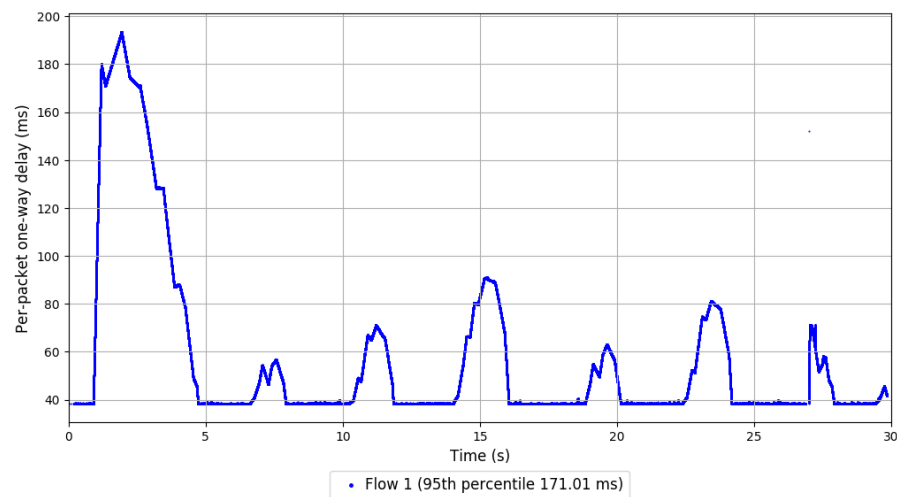
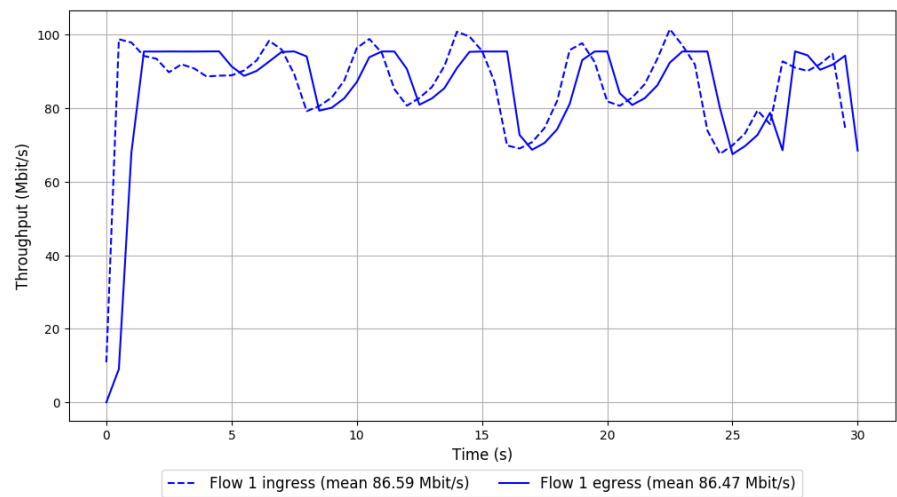
-- Flow 1:

Average throughput: 86.47 Mbit/s

95th percentile per-packet one-way delay: 171.009 ms

Loss rate: 0.35%

Run 4: Report of PCC-Expr — Data Link



Run 5: Statistics of PCC-Expr

Start at: 2019-07-18 07:31:29

End at: 2019-07-18 07:31:59

Local clock offset: -0.647 ms

Remote clock offset: 1.093 ms

Below is generated by plot.py at 2019-07-18 07:46:50

Datalink statistics

-- Total of 1 flow:

Average throughput: 85.98 Mbit/s

95th percentile per-packet one-way delay: 159.832 ms

Loss rate: 0.36%

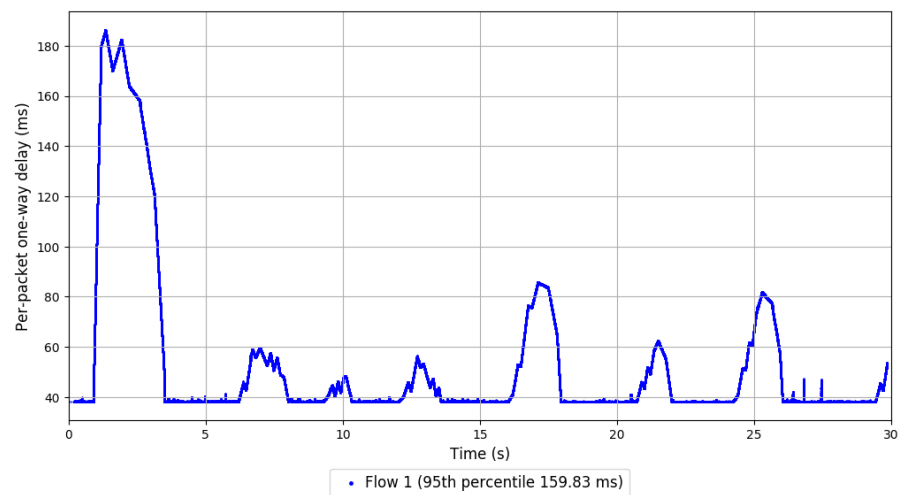
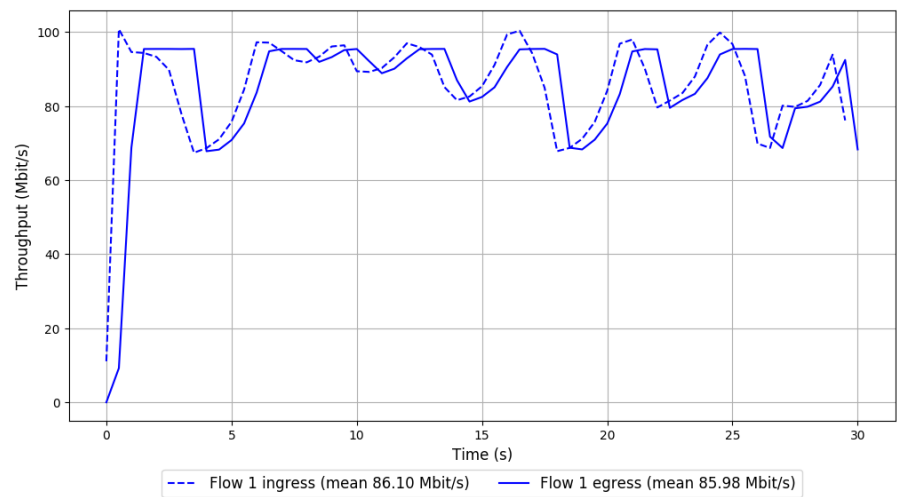
-- Flow 1:

Average throughput: 85.98 Mbit/s

95th percentile per-packet one-way delay: 159.832 ms

Loss rate: 0.36%

Run 5: Report of PCC-Expr — Data Link



Run 1: Statistics of QUIC Cubic

Start at: 2019-07-18 05:14:53

End at: 2019-07-18 05:15:23

Local clock offset: 0.204 ms

Remote clock offset: -1.658 ms

Below is generated by plot.py at 2019-07-18 07:46:50

Datalink statistics

-- Total of 1 flow:

Average throughput: 76.90 Mbit/s

95th percentile per-packet one-way delay: 56.989 ms

Loss rate: 0.28%

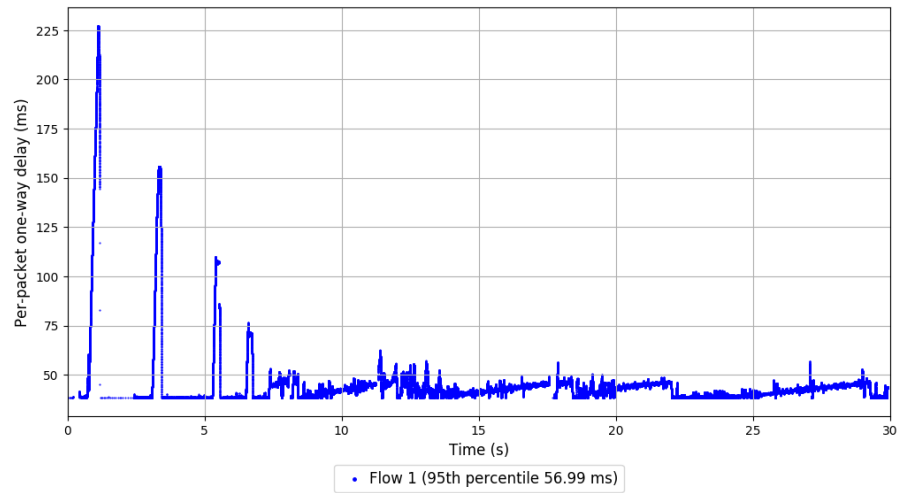
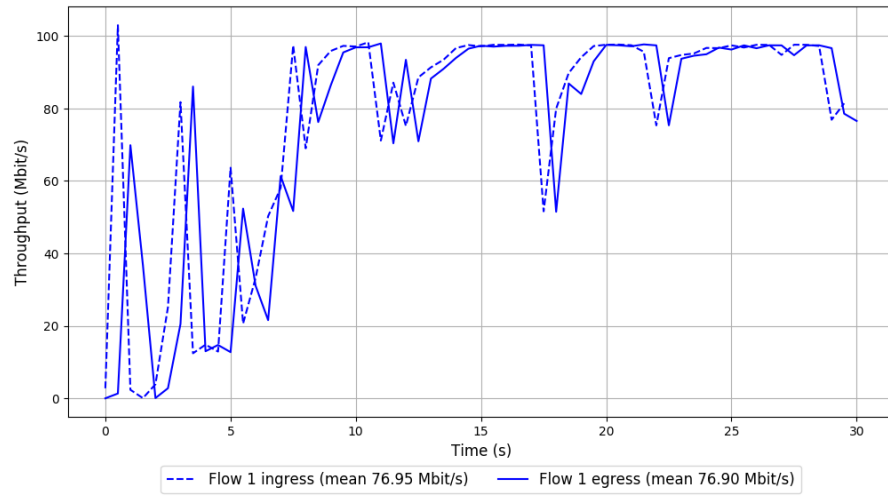
-- Flow 1:

Average throughput: 76.90 Mbit/s

95th percentile per-packet one-way delay: 56.989 ms

Loss rate: 0.28%

Run 1: Report of QUIC Cubic — Data Link



Run 2: Statistics of QUIC Cubic

Start at: 2019-07-18 05:50:20

End at: 2019-07-18 05:50:51

Local clock offset: -0.116 ms

Remote clock offset: -0.694 ms

Below is generated by plot.py at 2019-07-18 07:46:50

Datalink statistics

-- Total of 1 flow:

Average throughput: 83.30 Mbit/s

95th percentile per-packet one-way delay: 46.918 ms

Loss rate: 0.28%

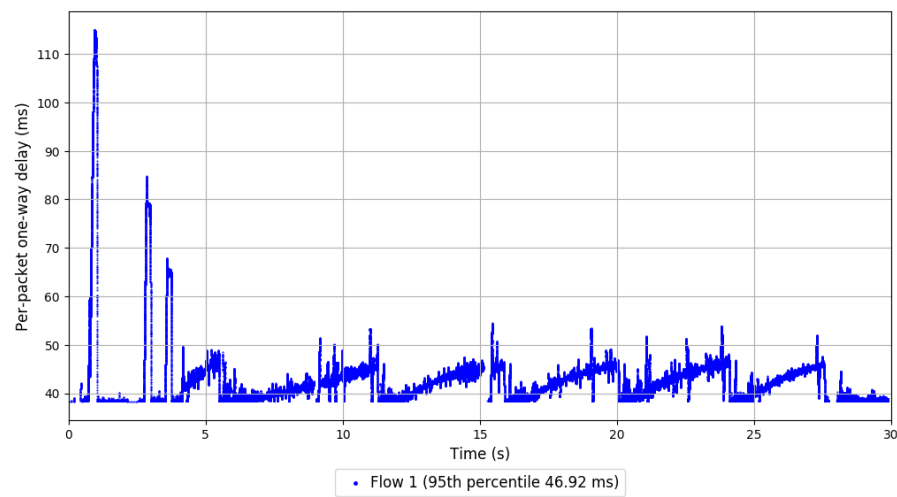
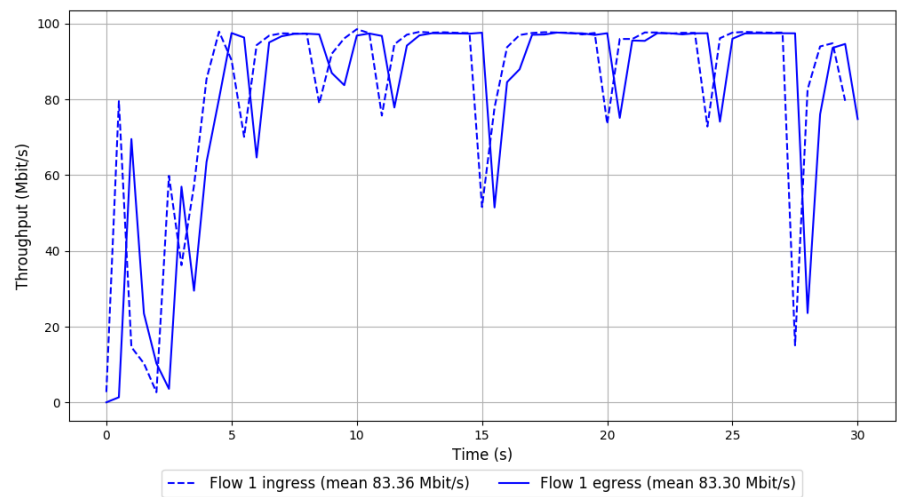
-- Flow 1:

Average throughput: 83.30 Mbit/s

95th percentile per-packet one-way delay: 46.918 ms

Loss rate: 0.28%

Run 2: Report of QUIC Cubic — Data Link



Run 3: Statistics of QUIC Cubic

Start at: 2019-07-18 06:22:05

End at: 2019-07-18 06:22:35

Local clock offset: -2.94 ms

Remote clock offset: 0.172 ms

Below is generated by plot.py at 2019-07-18 07:46:50

Datalink statistics

-- Total of 1 flow:

Average throughput: 77.27 Mbit/s

95th percentile per-packet one-way delay: 54.580 ms

Loss rate: 0.30%

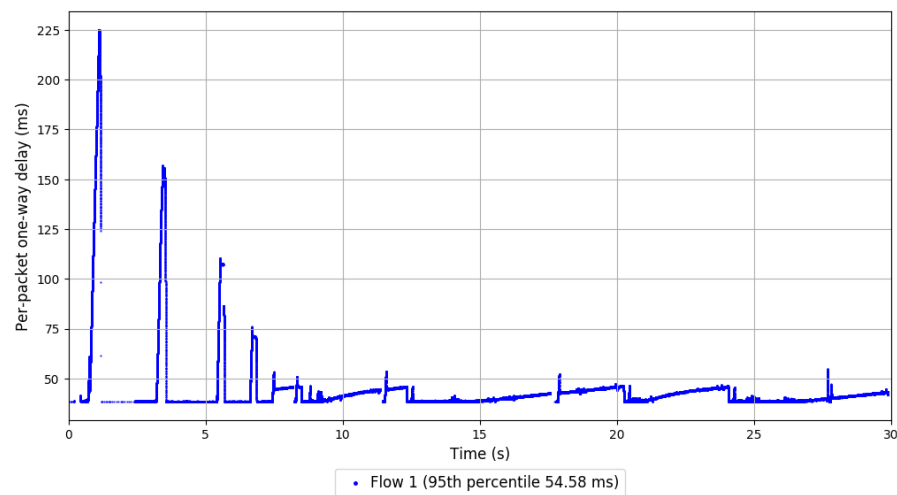
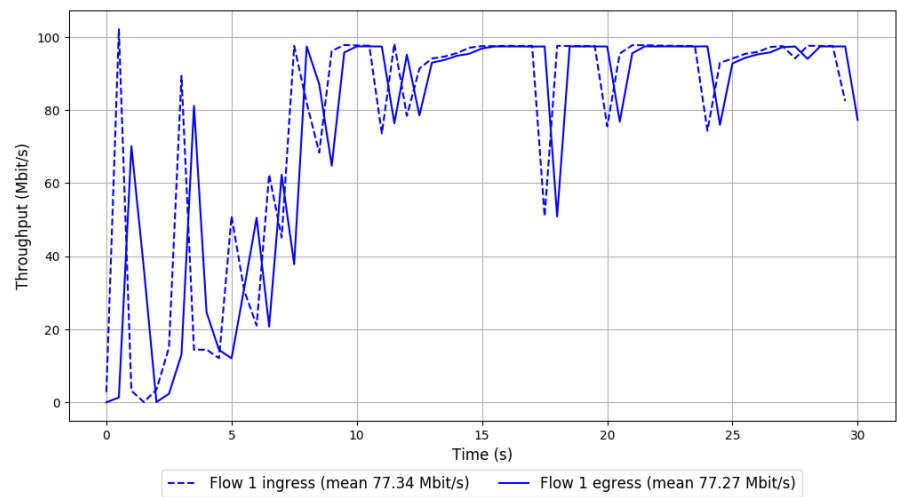
-- Flow 1:

Average throughput: 77.27 Mbit/s

95th percentile per-packet one-way delay: 54.580 ms

Loss rate: 0.30%

Run 3: Report of QUIC Cubic — Data Link



Run 4: Statistics of QUIC Cubic

Start at: 2019-07-18 06:53:22

End at: 2019-07-18 06:53:52

Local clock offset: -3.657 ms

Remote clock offset: 0.761 ms

Below is generated by plot.py at 2019-07-18 07:46:53

Datalink statistics

-- Total of 1 flow:

Average throughput: 77.49 Mbit/s

95th percentile per-packet one-way delay: 54.566 ms

Loss rate: 0.01%

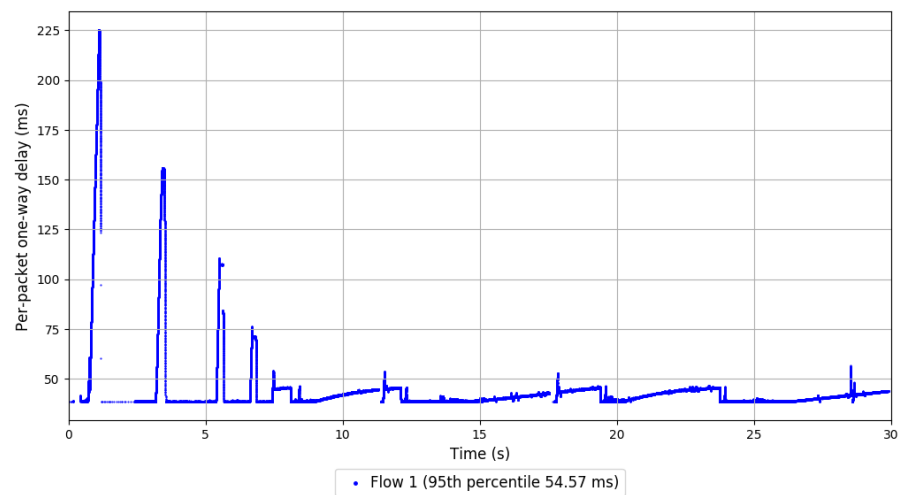
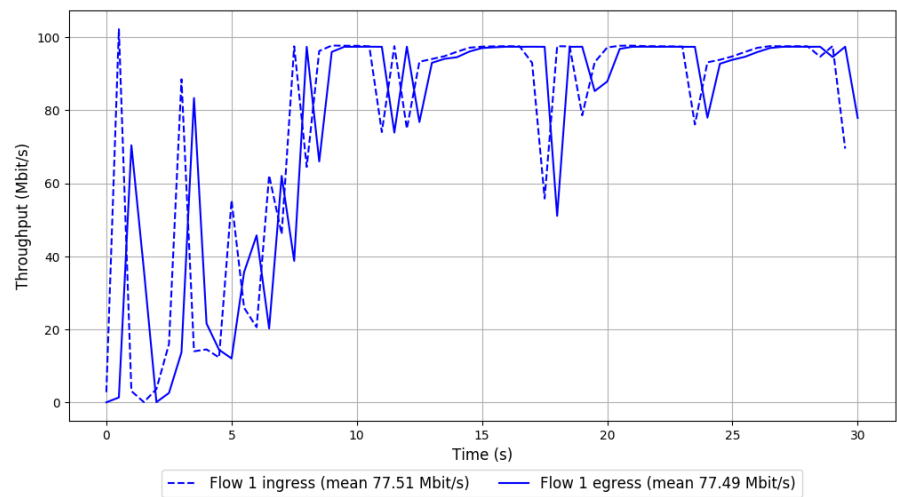
-- Flow 1:

Average throughput: 77.49 Mbit/s

95th percentile per-packet one-way delay: 54.566 ms

Loss rate: 0.01%

Run 4: Report of QUIC Cubic — Data Link



Run 5: Statistics of QUIC Cubic

Start at: 2019-07-18 07:23:59

End at: 2019-07-18 07:24:29

Local clock offset: -3.038 ms

Remote clock offset: 1.064 ms

Below is generated by plot.py at 2019-07-18 07:46:56

Datalink statistics

-- Total of 1 flow:

Average throughput: 77.54 Mbit/s

95th percentile per-packet one-way delay: 54.476 ms

Loss rate: 0.02%

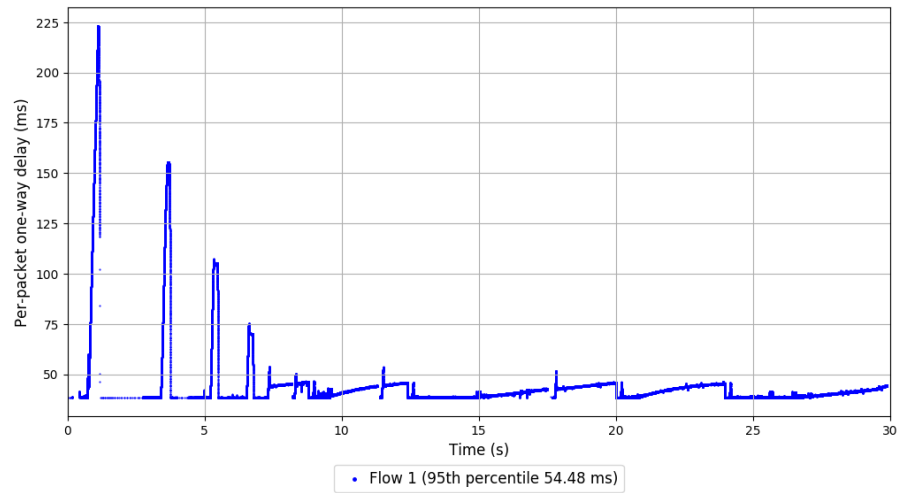
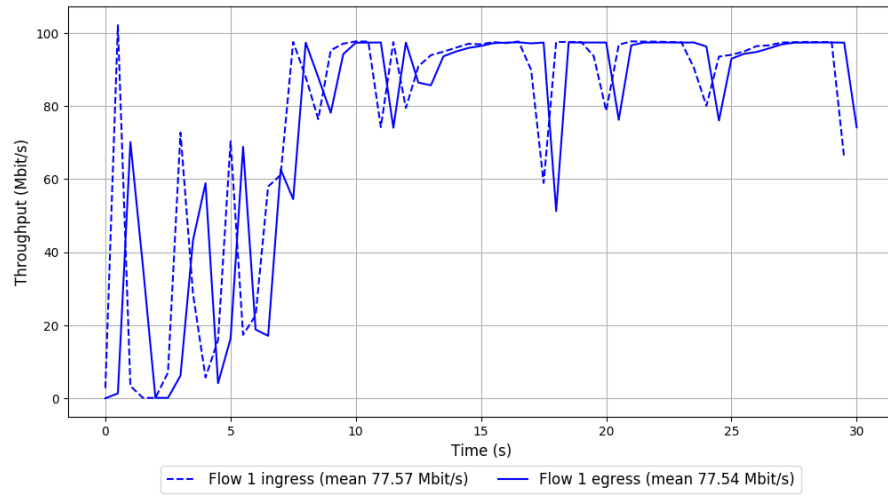
-- Flow 1:

Average throughput: 77.54 Mbit/s

95th percentile per-packet one-way delay: 54.476 ms

Loss rate: 0.02%

Run 5: Report of QUIC Cubic — Data Link

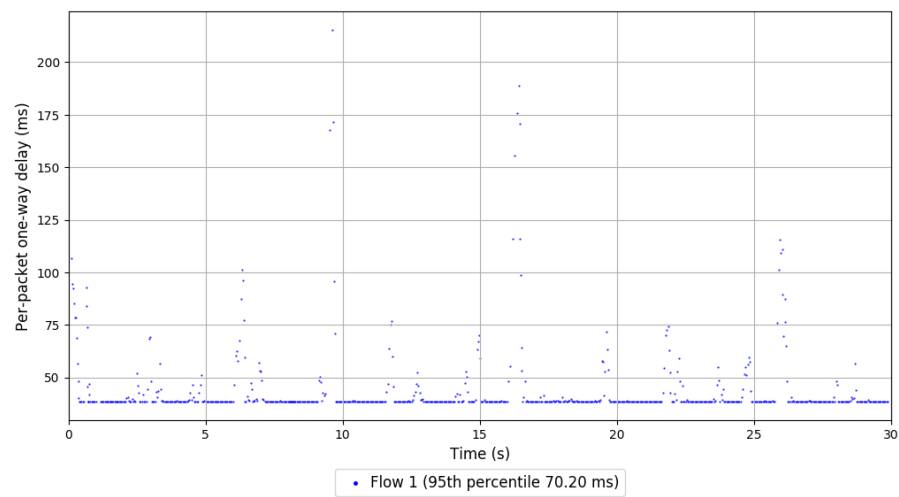
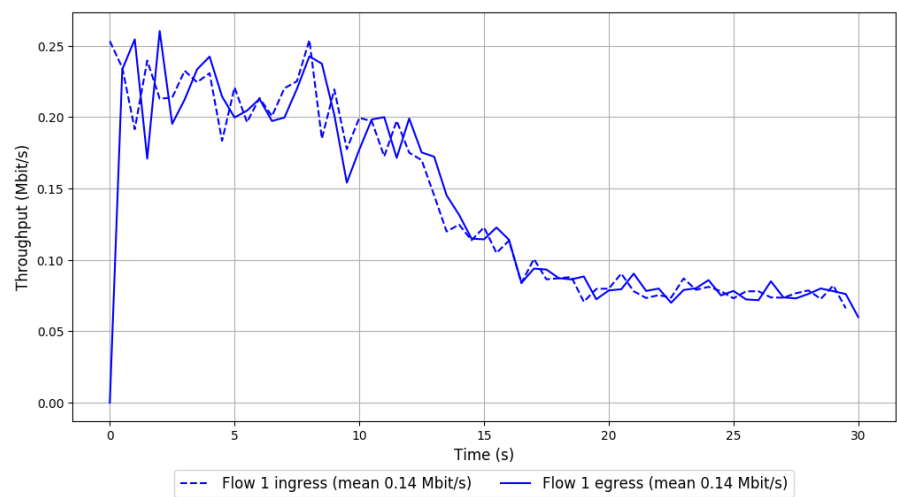


Run 1: Statistics of SReAM

Start at: 2019-07-18 05:09:22
End at: 2019-07-18 05:09:52
Local clock offset: 0.215 ms
Remote clock offset: -1.886 ms

Below is generated by plot.py at 2019-07-18 07:46:56
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.14 Mbit/s
95th percentile per-packet one-way delay: 70.196 ms
Loss rate: 0.96%
-- Flow 1:
Average throughput: 0.14 Mbit/s
95th percentile per-packet one-way delay: 70.196 ms
Loss rate: 0.96%

Run 1: Report of SReAM — Data Link

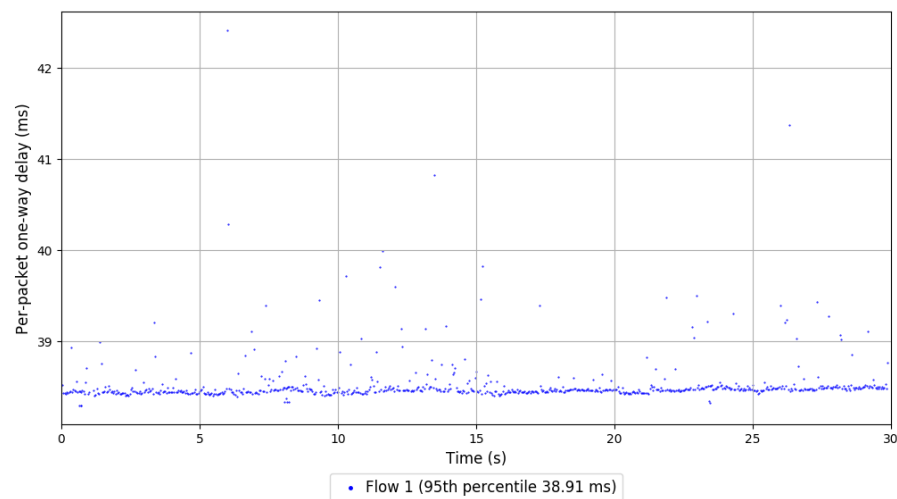
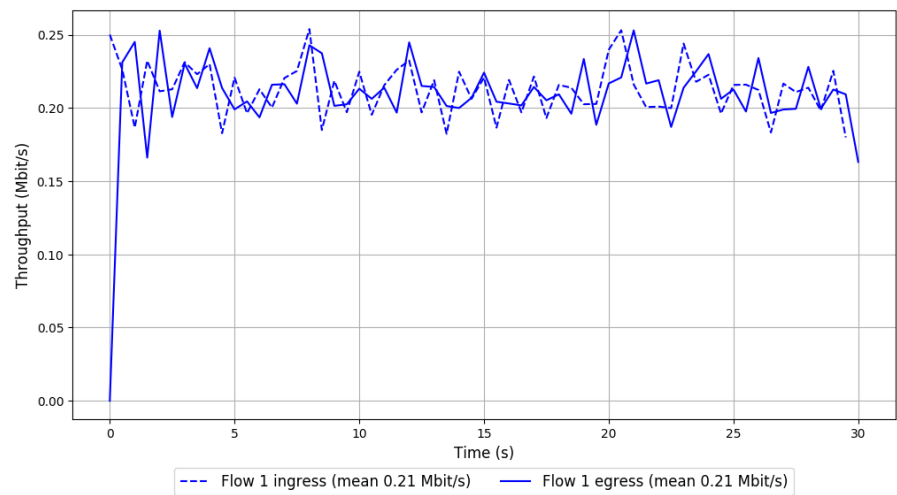


Run 2: Statistics of SCReAM

Start at: 2019-07-18 05:46:26
End at: 2019-07-18 05:46:56
Local clock offset: -0.056 ms
Remote clock offset: -0.777 ms

Below is generated by plot.py at 2019-07-18 07:46:56
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 38.914 ms
Loss rate: 0.26%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 38.914 ms
Loss rate: 0.26%

Run 2: Report of SReAM — Data Link



Run 3: Statistics of SCReAM

Start at: 2019-07-18 06:18:25

End at: 2019-07-18 06:18:55

Local clock offset: -2.837 ms

Remote clock offset: 0.061 ms

Below is generated by plot.py at 2019-07-18 07:46:56

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 38.506 ms

Loss rate: 0.26%

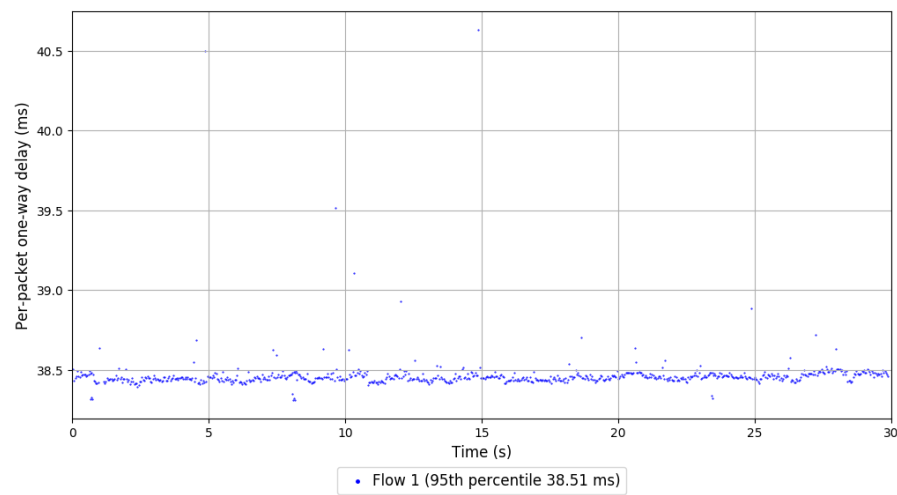
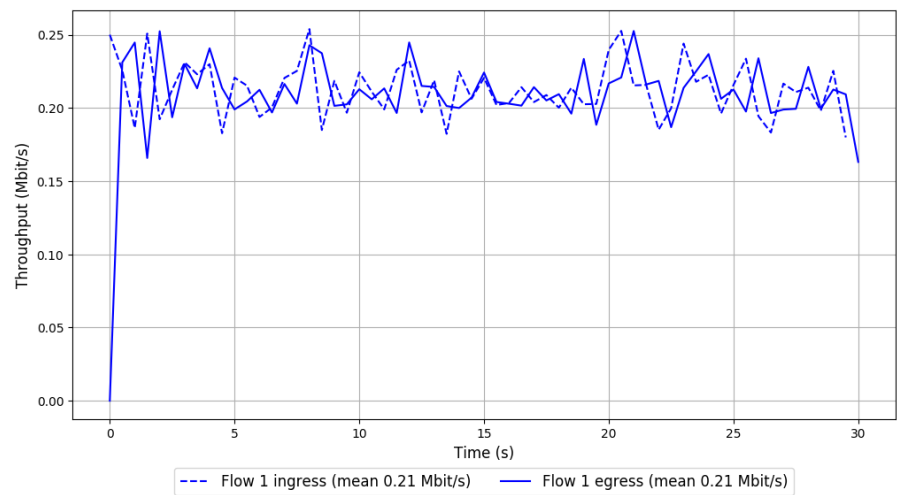
-- Flow 1:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 38.506 ms

Loss rate: 0.26%

Run 3: Report of SReAM — Data Link



Run 4: Statistics of SCReAM

Start at: 2019-07-18 06:49:36

End at: 2019-07-18 06:50:06

Local clock offset: -3.549 ms

Remote clock offset: 0.739 ms

Below is generated by plot.py at 2019-07-18 07:46:56

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 38.624 ms

Loss rate: 0.26%

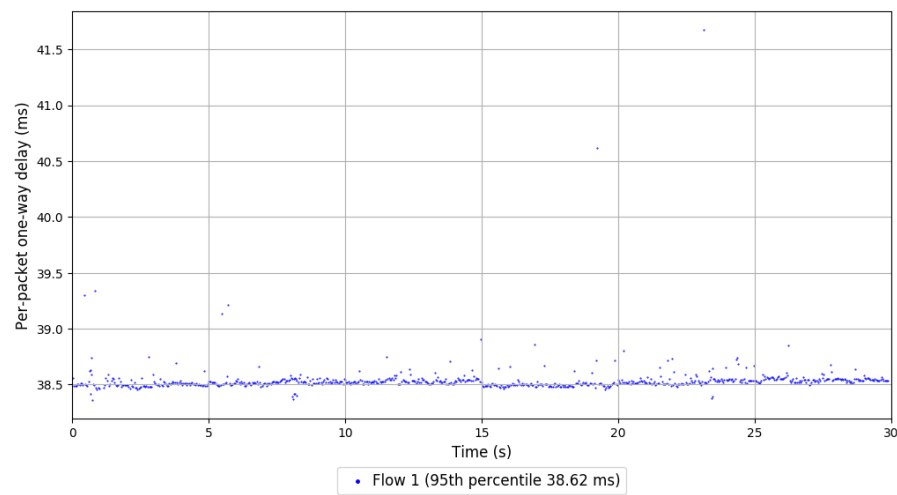
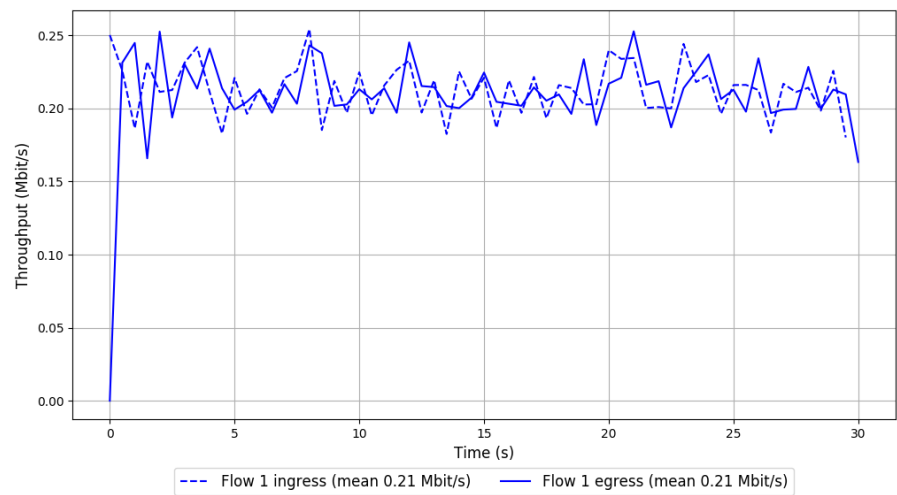
-- Flow 1:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 38.624 ms

Loss rate: 0.26%

Run 4: Report of SReAM — Data Link



Run 5: Statistics of SCReAM

Start at: 2019-07-18 07:20:02

End at: 2019-07-18 07:20:32

Local clock offset: -3.019 ms

Remote clock offset: 1.0 ms

Below is generated by plot.py at 2019-07-18 07:46:56

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 38.565 ms

Loss rate: 0.26%

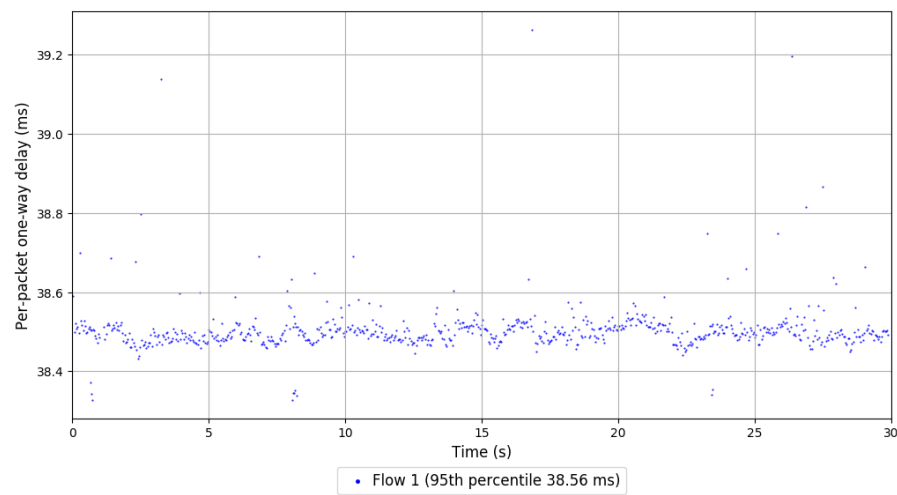
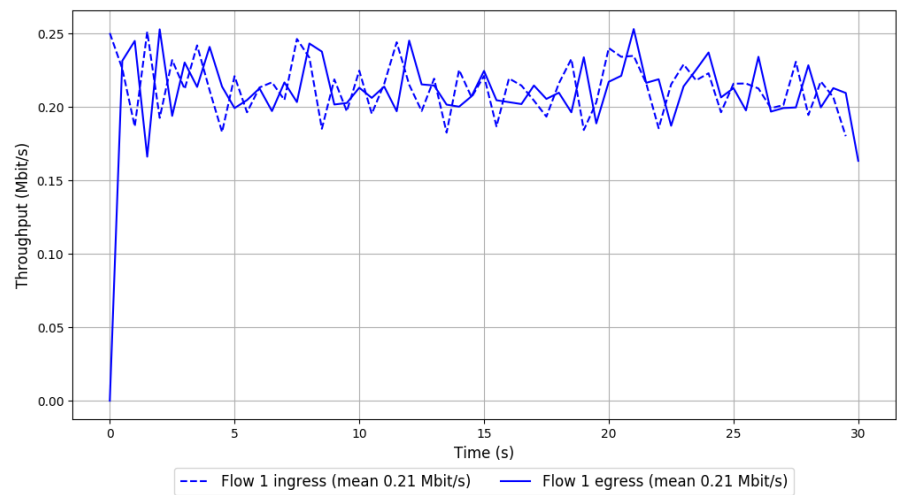
-- Flow 1:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 38.565 ms

Loss rate: 0.26%

Run 5: Report of SReAM — Data Link

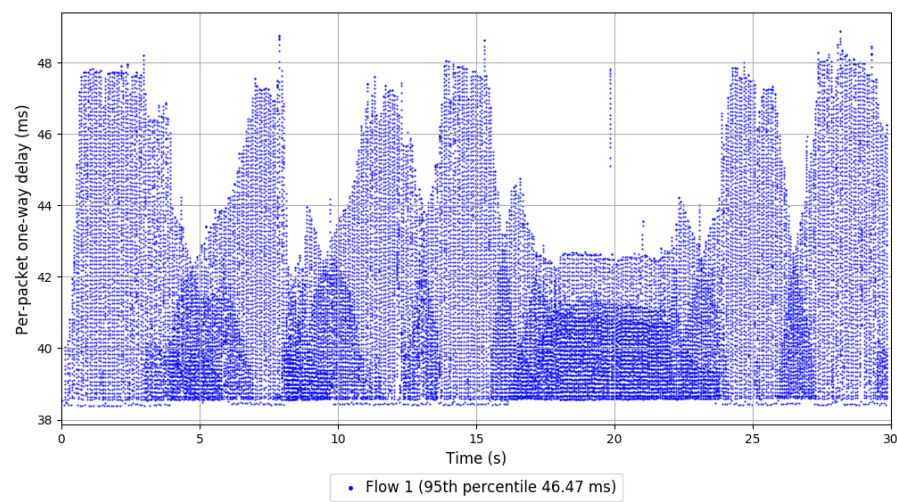
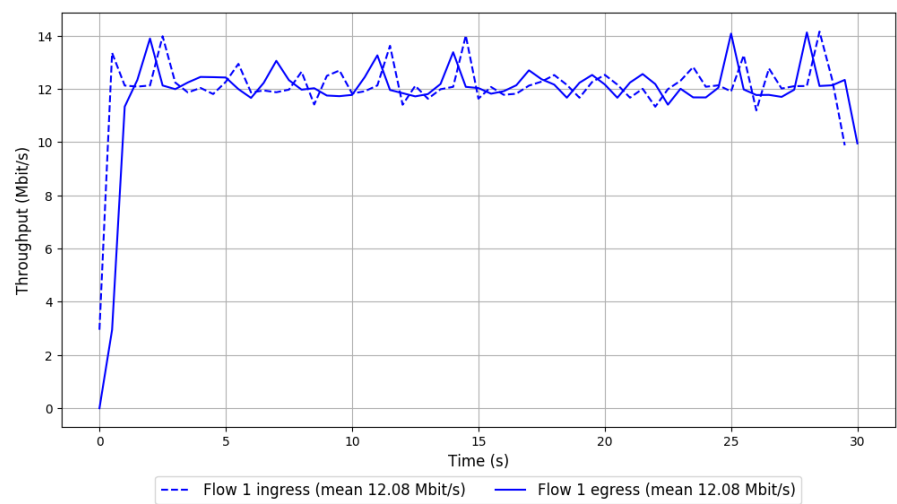


Run 1: Statistics of Sprout

Start at: 2019-07-18 04:59:47
End at: 2019-07-18 05:00:17
Local clock offset: 0.254 ms
Remote clock offset: -2.318 ms

Below is generated by plot.py at 2019-07-18 07:46:56
Datalink statistics
-- Total of 1 flow:
Average throughput: 12.08 Mbit/s
95th percentile per-packet one-way delay: 46.470 ms
Loss rate: 0.27%
-- Flow 1:
Average throughput: 12.08 Mbit/s
95th percentile per-packet one-way delay: 46.470 ms
Loss rate: 0.27%

Run 1: Report of Sprout — Data Link

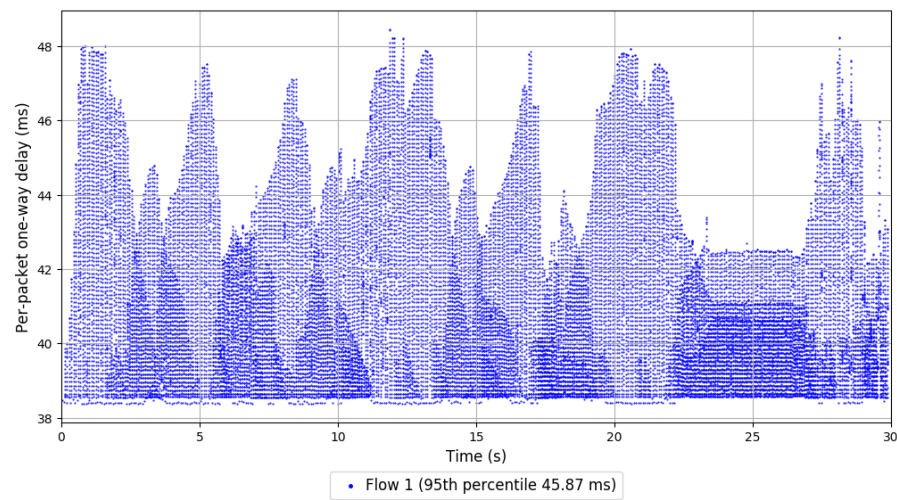
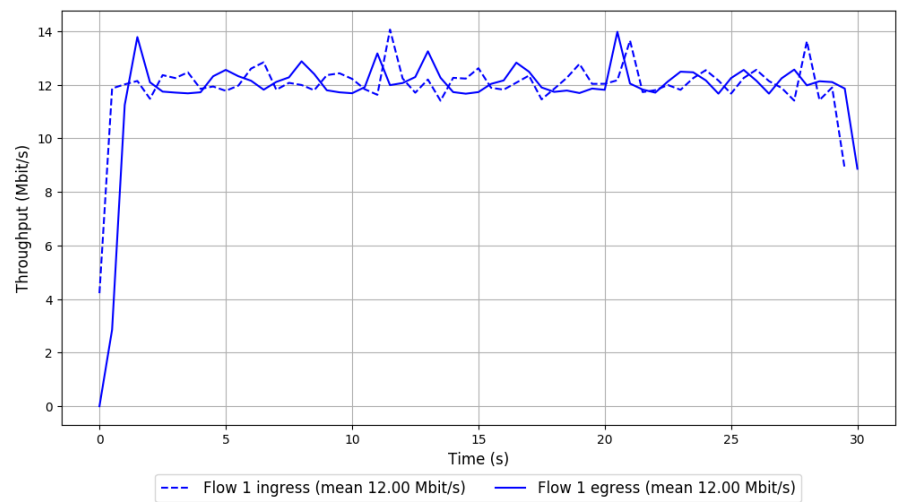


Run 2: Statistics of Sprout

Start at: 2019-07-18 05:39:49
End at: 2019-07-18 05:40:19
Local clock offset: 0.058 ms
Remote clock offset: -1.076 ms

Below is generated by plot.py at 2019-07-18 07:46:56
Datalink statistics
-- Total of 1 flow:
Average throughput: 12.00 Mbit/s
95th percentile per-packet one-way delay: 45.873 ms
Loss rate: 0.14%
-- Flow 1:
Average throughput: 12.00 Mbit/s
95th percentile per-packet one-way delay: 45.873 ms
Loss rate: 0.14%

Run 2: Report of Sprout — Data Link

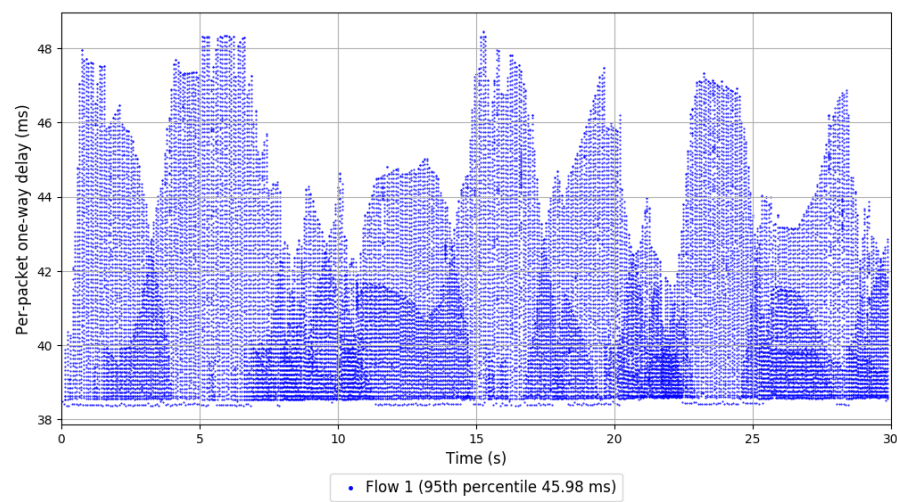
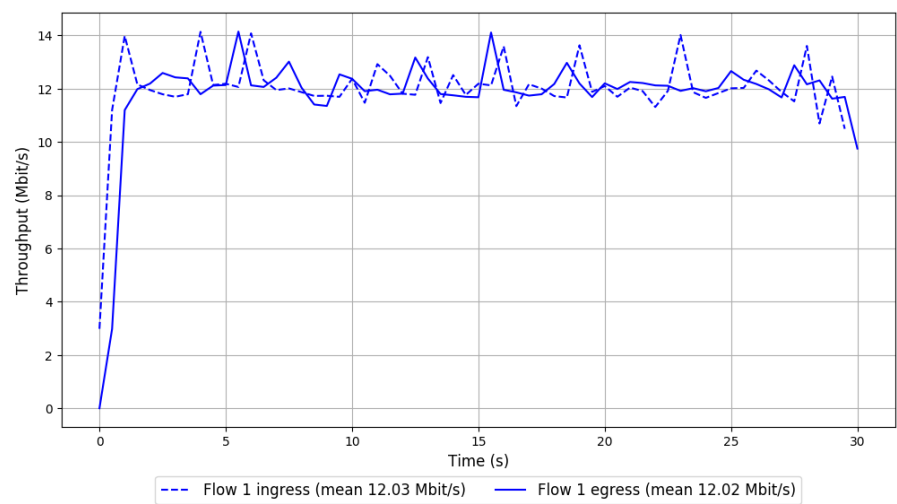


Run 3: Statistics of Sprout

Start at: 2019-07-18 06:12:11
End at: 2019-07-18 06:12:41
Local clock offset: -2.625 ms
Remote clock offset: -0.138 ms

Below is generated by plot.py at 2019-07-18 07:46:56
Datalink statistics
-- Total of 1 flow:
Average throughput: 12.02 Mbit/s
95th percentile per-packet one-way delay: 45.979 ms
Loss rate: 0.26%
-- Flow 1:
Average throughput: 12.02 Mbit/s
95th percentile per-packet one-way delay: 45.979 ms
Loss rate: 0.26%

Run 3: Report of Sprout — Data Link

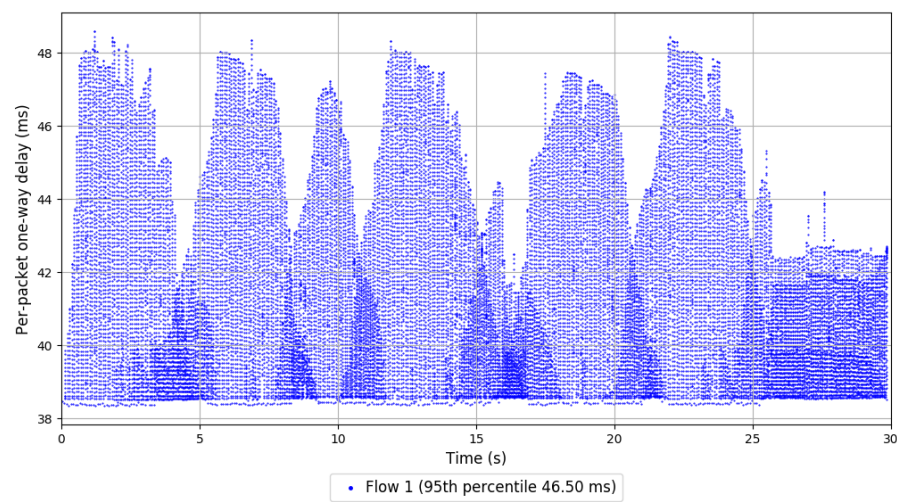
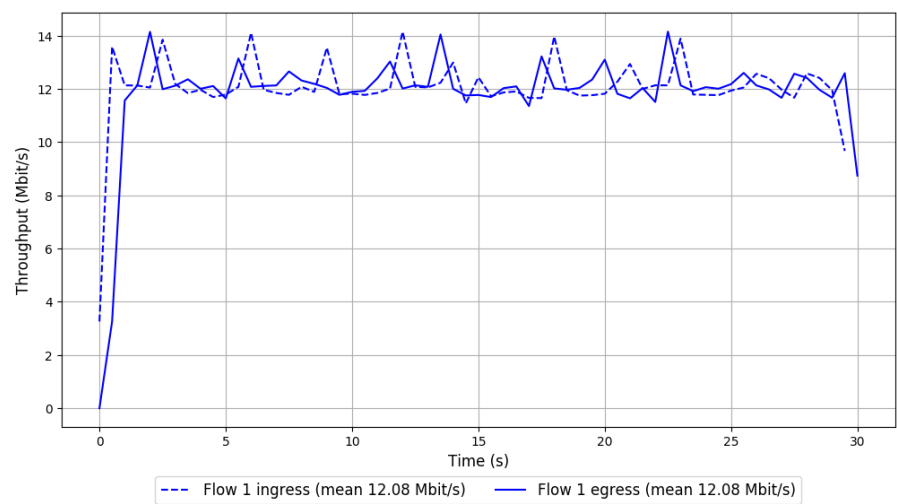


Run 4: Statistics of Sprout

Start at: 2019-07-18 06:43:26
End at: 2019-07-18 06:43:56
Local clock offset: -3.396 ms
Remote clock offset: 0.631 ms

Below is generated by plot.py at 2019-07-18 07:46:56
Datalink statistics
-- Total of 1 flow:
Average throughput: 12.08 Mbit/s
95th percentile per-packet one-way delay: 46.500 ms
Loss rate: 0.27%
-- Flow 1:
Average throughput: 12.08 Mbit/s
95th percentile per-packet one-way delay: 46.500 ms
Loss rate: 0.27%

Run 4: Report of Sprout — Data Link



Run 5: Statistics of Sprout

Start at: 2019-07-18 07:13:48

End at: 2019-07-18 07:14:18

Local clock offset: -3.002 ms

Remote clock offset: 0.953 ms

Below is generated by plot.py at 2019-07-18 07:46:56

Datalink statistics

-- Total of 1 flow:

Average throughput: 11.99 Mbit/s

95th percentile per-packet one-way delay: 45.650 ms

Loss rate: 0.21%

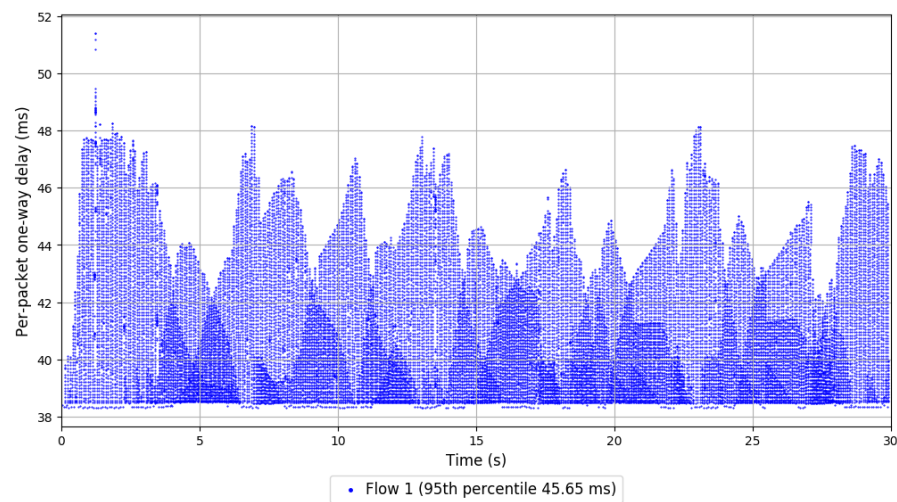
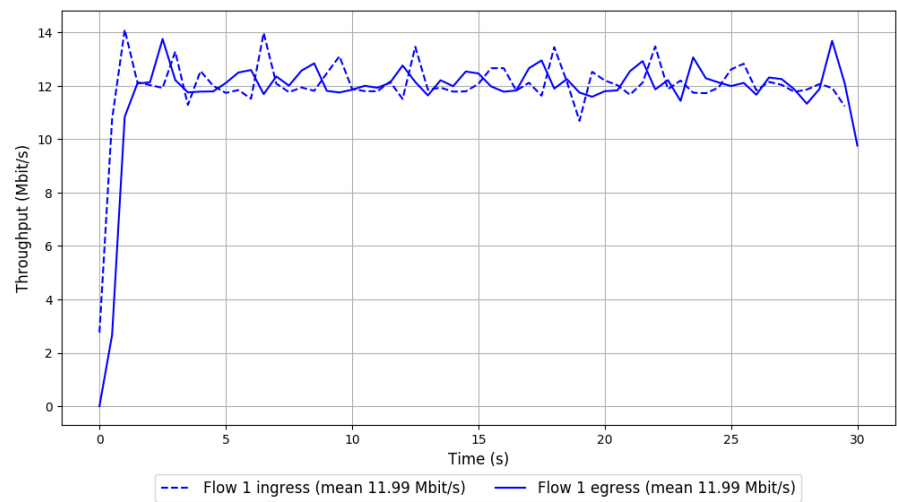
-- Flow 1:

Average throughput: 11.99 Mbit/s

95th percentile per-packet one-way delay: 45.650 ms

Loss rate: 0.21%

Run 5: Report of Sprout — Data Link



Run 1: Statistics of TaoVA-100x

Start at: 2019-07-18 04:54:24

End at: 2019-07-18 04:54:54

Local clock offset: 0.256 ms

Remote clock offset: -2.5 ms

Below is generated by plot.py at 2019-07-18 07:48:09

Datalink statistics

-- Total of 1 flow:

Average throughput: 89.20 Mbit/s

95th percentile per-packet one-way delay: 49.585 ms

Loss rate: 0.20%

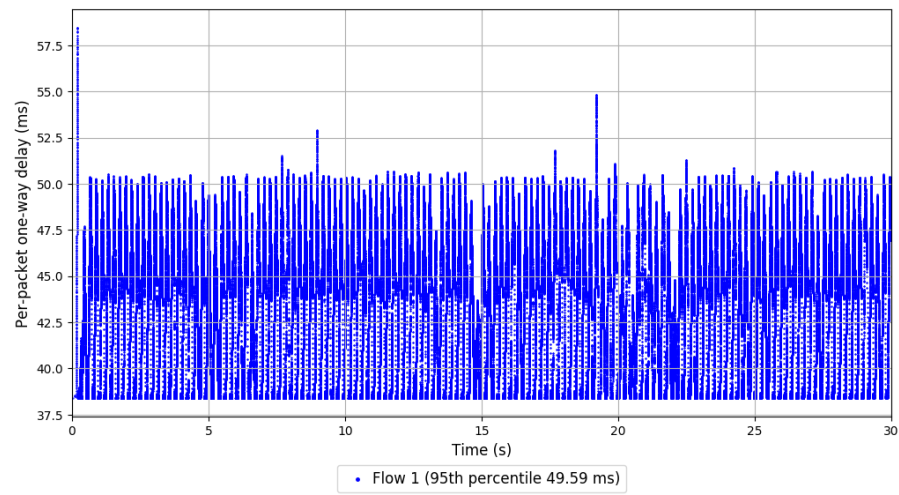
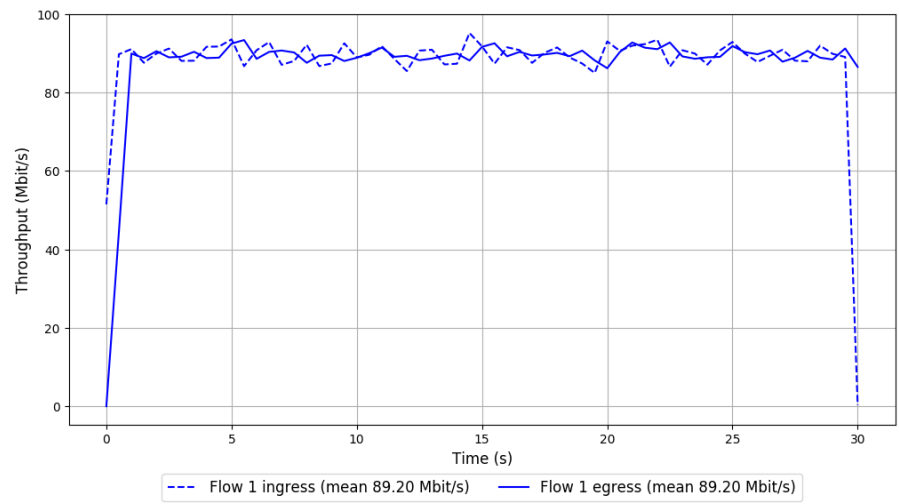
-- Flow 1:

Average throughput: 89.20 Mbit/s

95th percentile per-packet one-way delay: 49.585 ms

Loss rate: 0.20%

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



Run 2: Statistics of TaoVA-100x

Start at: 2019-07-18 05:35:45

End at: 2019-07-18 05:36:15

Local clock offset: 0.037 ms

Remote clock offset: -1.153 ms

Below is generated by plot.py at 2019-07-18 07:48:09

Datalink statistics

-- Total of 1 flow:

Average throughput: 88.41 Mbit/s

95th percentile per-packet one-way delay: 49.770 ms

Loss rate: 0.26%

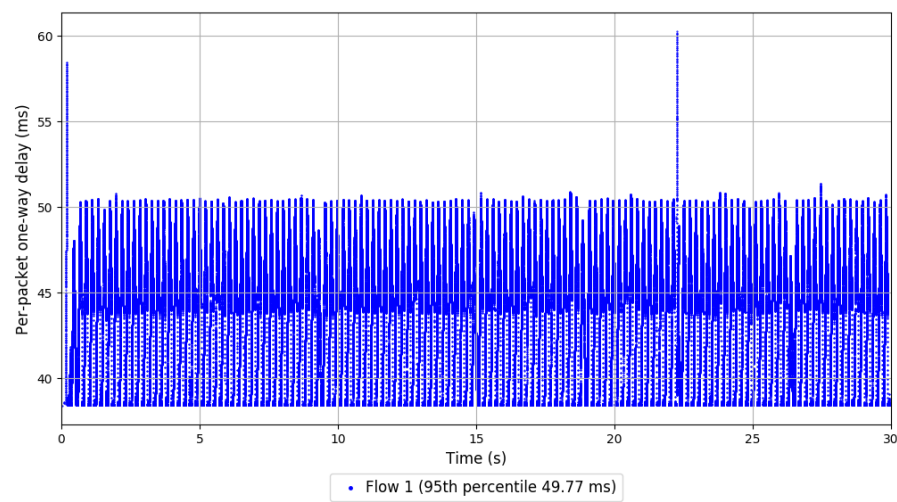
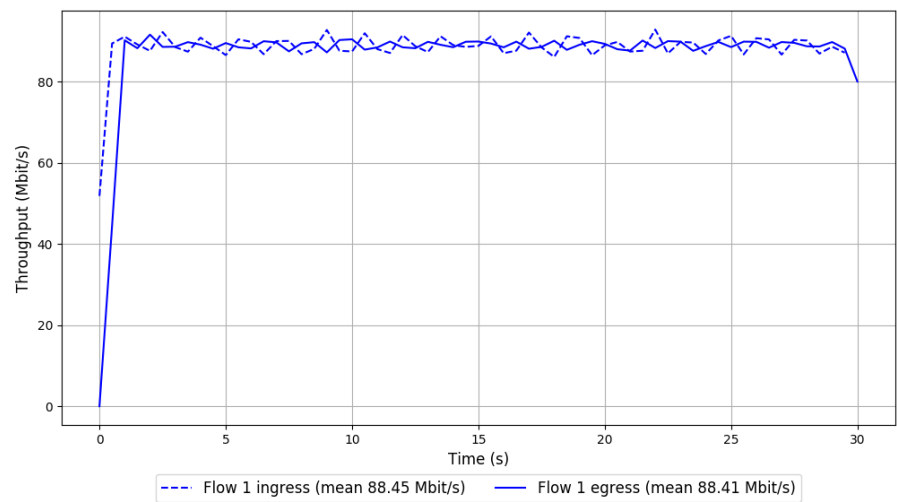
-- Flow 1:

Average throughput: 88.41 Mbit/s

95th percentile per-packet one-way delay: 49.770 ms

Loss rate: 0.26%

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

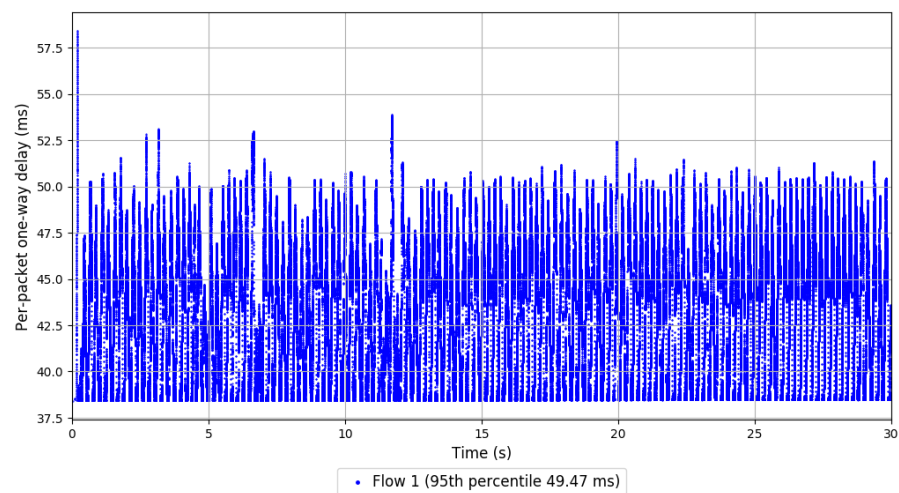
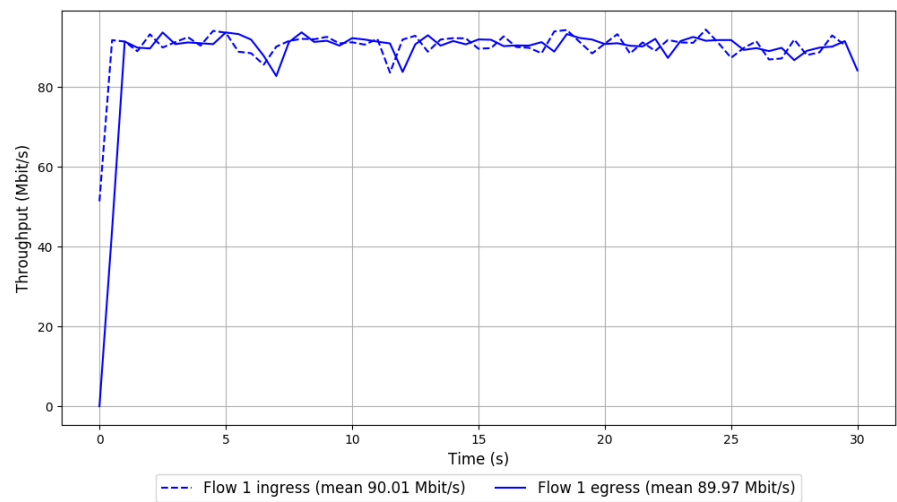


Run 3: Statistics of TaoVA-100x

Start at: 2019-07-18 06:07:51
End at: 2019-07-18 06:08:21
Local clock offset: -2.393 ms
Remote clock offset: -0.277 ms

Below is generated by plot.py at 2019-07-18 07:48:11
Datalink statistics
-- Total of 1 flow:
Average throughput: 89.97 Mbit/s
95th percentile per-packet one-way delay: 49.473 ms
Loss rate: 0.26%
-- Flow 1:
Average throughput: 89.97 Mbit/s
95th percentile per-packet one-way delay: 49.473 ms
Loss rate: 0.26%

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



Run 4: Statistics of TaoVA-100x

Start at: 2019-07-18 06:39:24

End at: 2019-07-18 06:39:54

Local clock offset: -3.256 ms

Remote clock offset: 0.548 ms

Below is generated by plot.py at 2019-07-18 07:48:11

Datalink statistics

-- Total of 1 flow:

Average throughput: 88.44 Mbit/s

95th percentile per-packet one-way delay: 49.745 ms

Loss rate: 0.26%

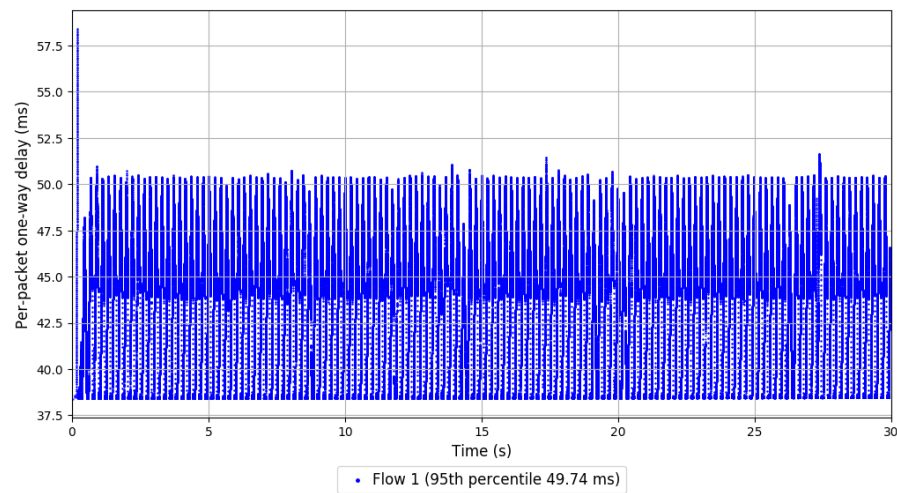
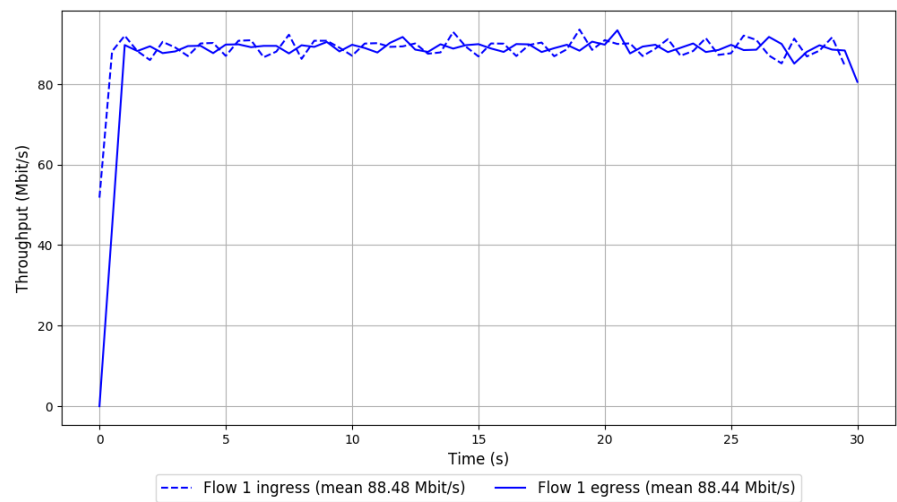
-- Flow 1:

Average throughput: 88.44 Mbit/s

95th percentile per-packet one-way delay: 49.745 ms

Loss rate: 0.26%

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



Run 5: Statistics of TaoVA-100x

Start at: 2019-07-18 07:09:50

End at: 2019-07-18 07:10:20

Local clock offset: -3.035 ms

Remote clock offset: 0.925 ms

Below is generated by plot.py at 2019-07-18 07:48:17

Datalink statistics

-- Total of 1 flow:

Average throughput: 88.40 Mbit/s

95th percentile per-packet one-way delay: 49.773 ms

Loss rate: 0.19%

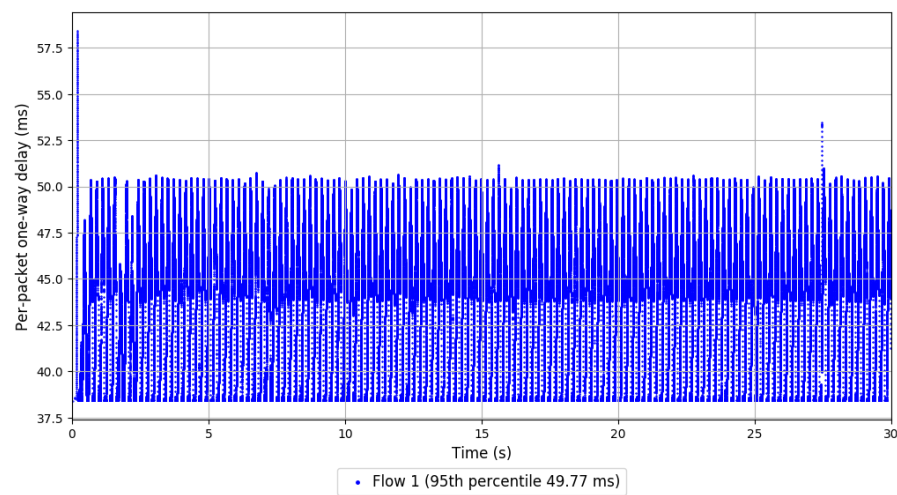
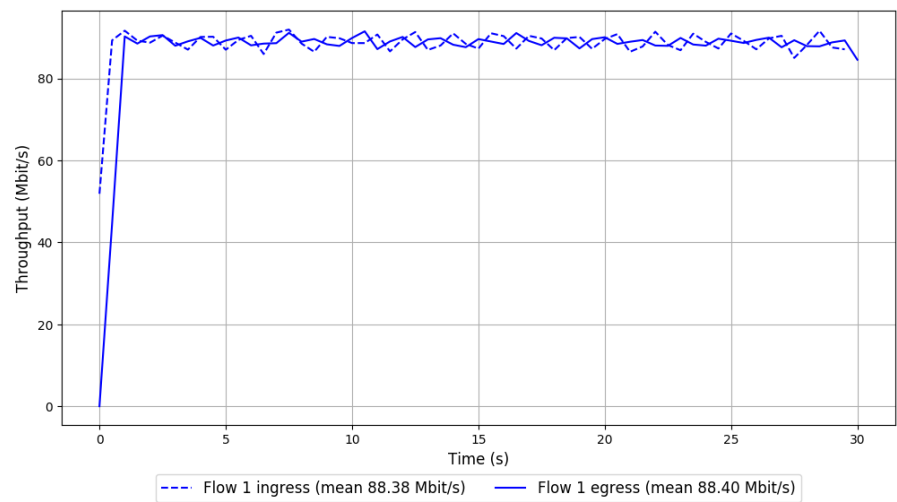
-- Flow 1:

Average throughput: 88.40 Mbit/s

95th percentile per-packet one-way delay: 49.773 ms

Loss rate: 0.19%

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

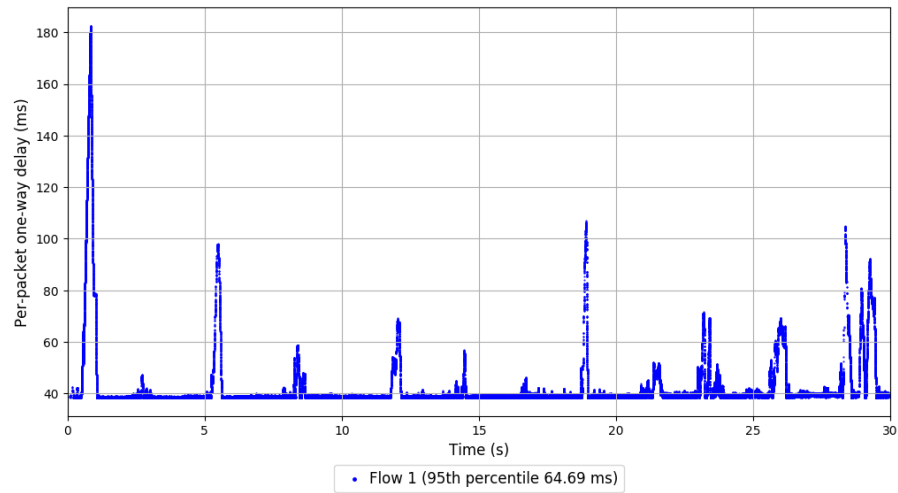
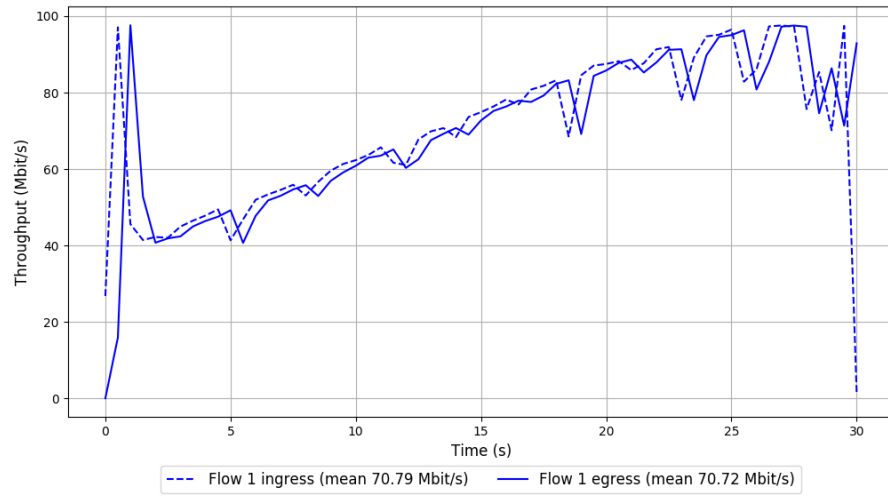


Run 1: Statistics of TCP Vegas

Start at: 2019-07-18 05:00:56
End at: 2019-07-18 05:01:26
Local clock offset: 0.249 ms
Remote clock offset: -2.181 ms

Below is generated by plot.py at 2019-07-18 07:48:17
Datalink statistics
-- Total of 1 flow:
Average throughput: 70.72 Mbit/s
95th percentile per-packet one-way delay: 64.686 ms
Loss rate: 0.30%
-- Flow 1:
Average throughput: 70.72 Mbit/s
95th percentile per-packet one-way delay: 64.686 ms
Loss rate: 0.30%

Run 1: Report of TCP Vegas — Data Link

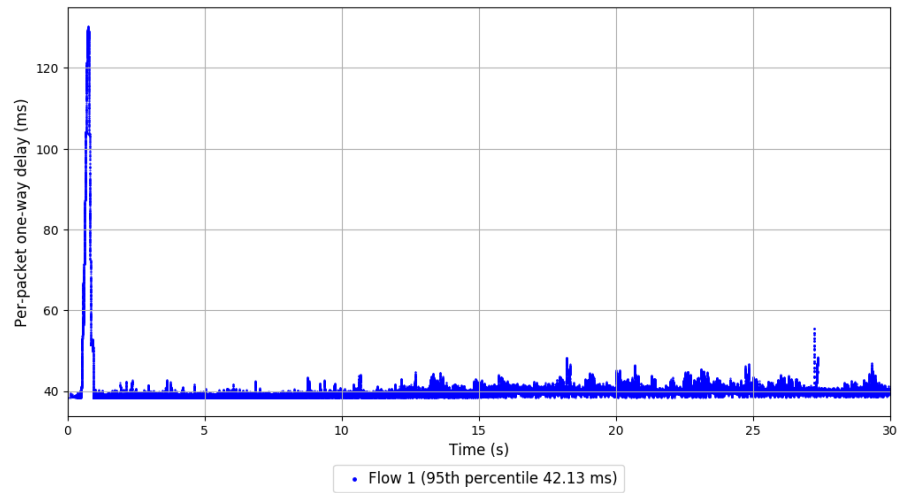
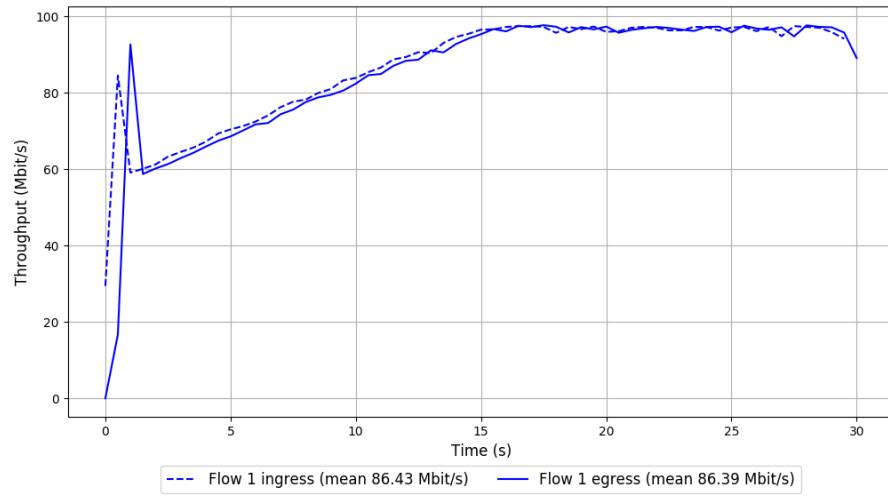


Run 2: Statistics of TCP Vegas

Start at: 2019-07-18 05:40:58
End at: 2019-07-18 05:41:28
Local clock offset: 0.012 ms
Remote clock offset: -1.024 ms

Below is generated by plot.py at 2019-07-18 07:48:17
Datalink statistics
-- Total of 1 flow:
Average throughput: 86.39 Mbit/s
95th percentile per-packet one-way delay: 42.130 ms
Loss rate: 0.25%
-- Flow 1:
Average throughput: 86.39 Mbit/s
95th percentile per-packet one-way delay: 42.130 ms
Loss rate: 0.25%

Run 2: Report of TCP Vegas — Data Link

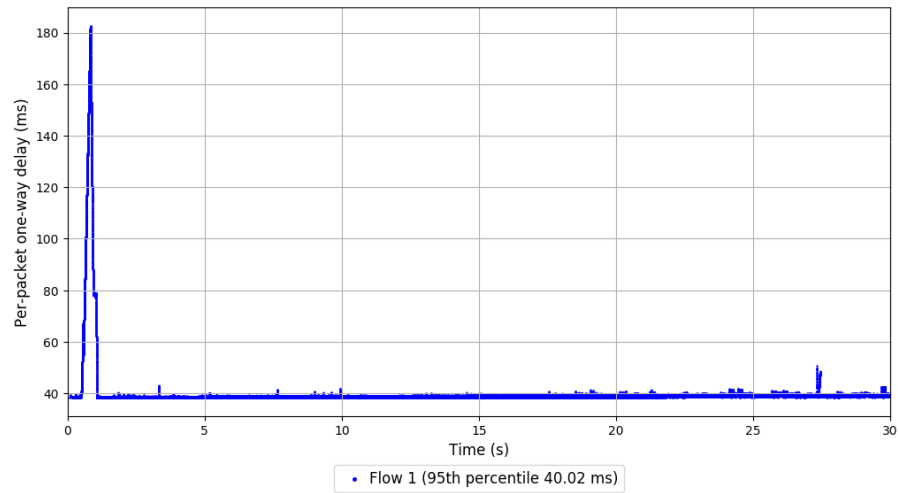
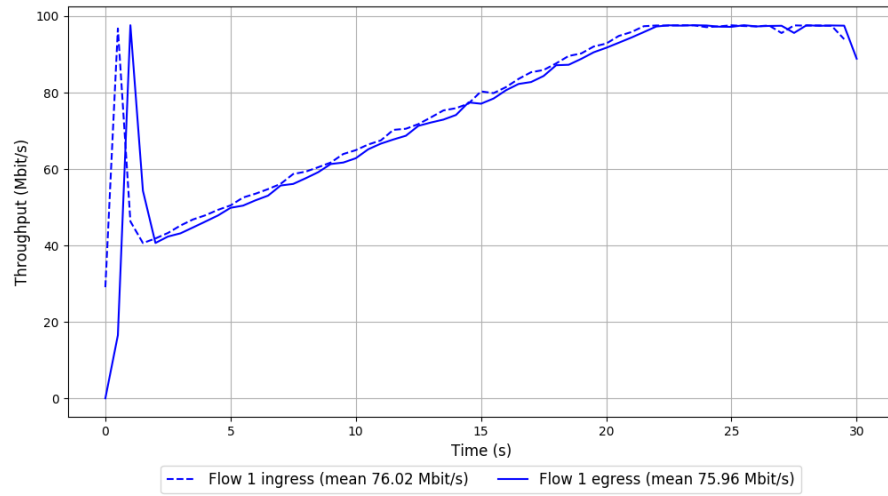


Run 3: Statistics of TCP Vegas

Start at: 2019-07-18 06:13:19
End at: 2019-07-18 06:13:49
Local clock offset: -2.65 ms
Remote clock offset: -0.055 ms

Below is generated by plot.py at 2019-07-18 07:48:17
Datalink statistics
-- Total of 1 flow:
Average throughput: 75.96 Mbit/s
95th percentile per-packet one-way delay: 40.017 ms
Loss rate: 0.28%
-- Flow 1:
Average throughput: 75.96 Mbit/s
95th percentile per-packet one-way delay: 40.017 ms
Loss rate: 0.28%

Run 3: Report of TCP Vegas — Data Link



Run 4: Statistics of TCP Vegas

Start at: 2019-07-18 06:44:34

End at: 2019-07-18 06:45:04

Local clock offset: -3.451 ms

Remote clock offset: 0.604 ms

Below is generated by plot.py at 2019-07-18 07:48:37

Datalink statistics

-- Total of 1 flow:

Average throughput: 86.91 Mbit/s

95th percentile per-packet one-way delay: 39.915 ms

Loss rate: 0.24%

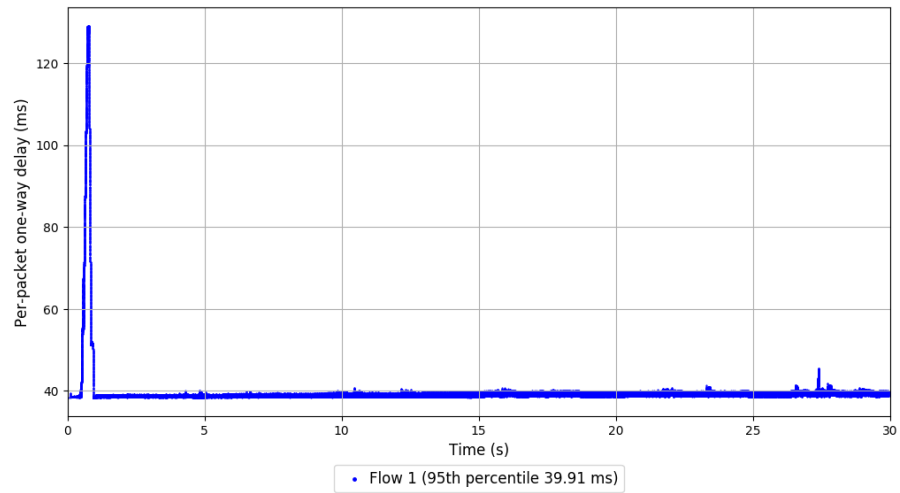
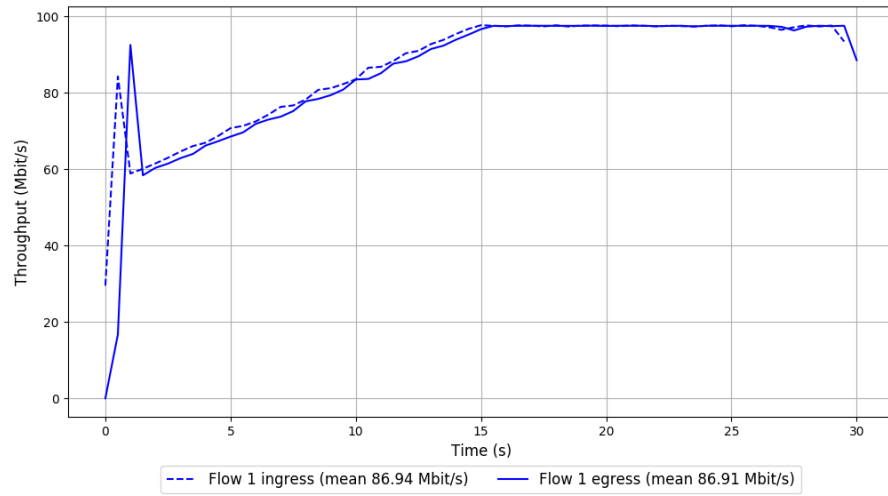
-- Flow 1:

Average throughput: 86.91 Mbit/s

95th percentile per-packet one-way delay: 39.915 ms

Loss rate: 0.24%

Run 4: Report of TCP Vegas — Data Link



Run 5: Statistics of TCP Vegas

Start at: 2019-07-18 07:14:55

End at: 2019-07-18 07:15:25

Local clock offset: -3.004 ms

Remote clock offset: 0.964 ms

Below is generated by plot.py at 2019-07-18 07:48:38

Datalink statistics

-- Total of 1 flow:

Average throughput: 75.95 Mbit/s

95th percentile per-packet one-way delay: 40.099 ms

Loss rate: 0.28%

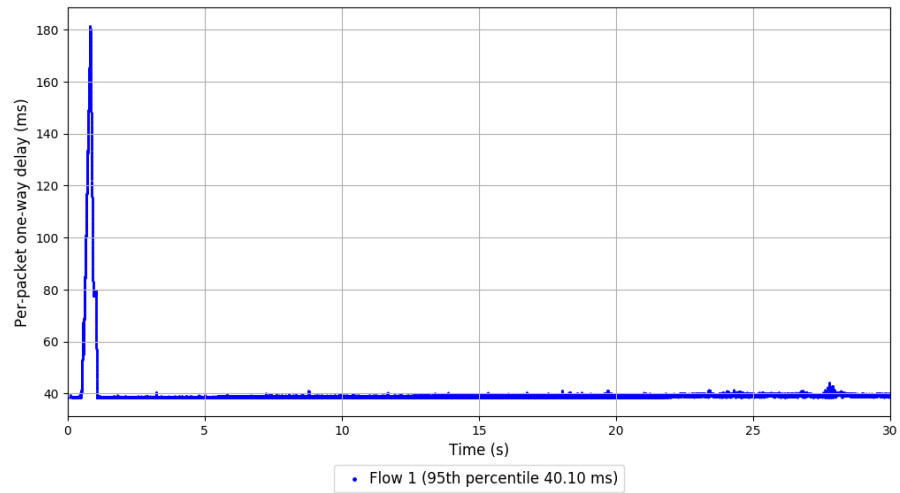
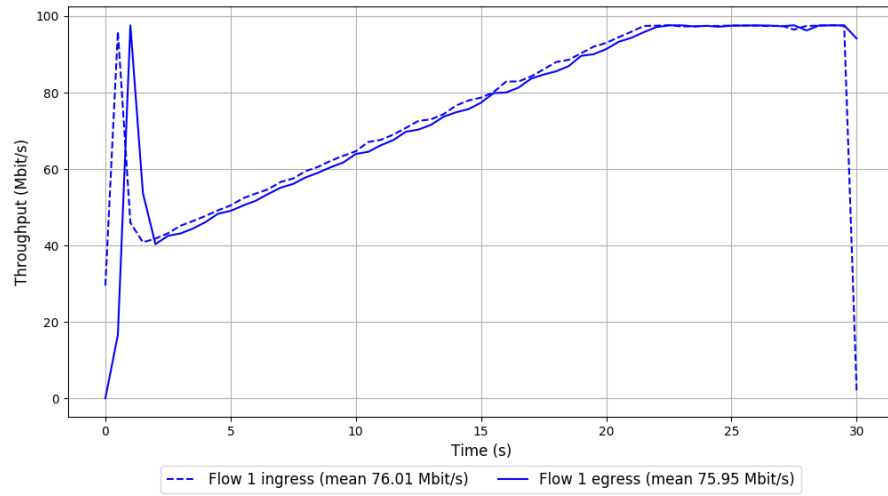
-- Flow 1:

Average throughput: 75.95 Mbit/s

95th percentile per-packet one-way delay: 40.099 ms

Loss rate: 0.28%

Run 5: Report of TCP Vegas — Data Link

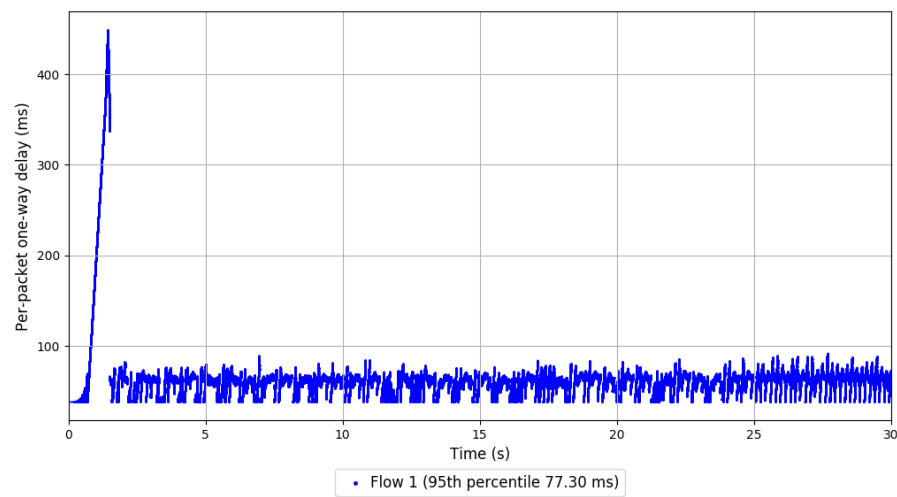
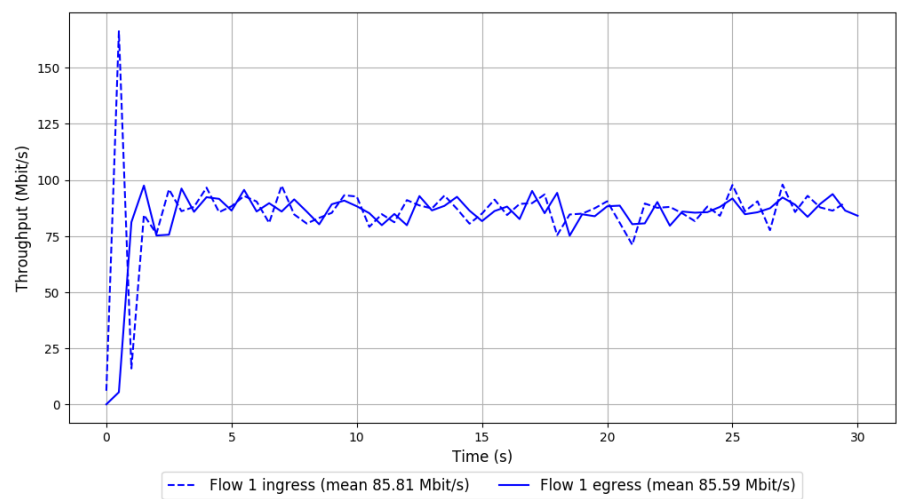


Run 1: Statistics of Verus

Start at: 2019-07-18 04:48:03
End at: 2019-07-18 04:48:33
Local clock offset: 0.28 ms
Remote clock offset: -2.722 ms

Below is generated by plot.py at 2019-07-18 07:48:54
Datalink statistics
-- Total of 1 flow:
Average throughput: 85.59 Mbit/s
95th percentile per-packet one-way delay: 77.303 ms
Loss rate: 0.47%
-- Flow 1:
Average throughput: 85.59 Mbit/s
95th percentile per-packet one-way delay: 77.303 ms
Loss rate: 0.47%

Run 1: Report of Verus — Data Link

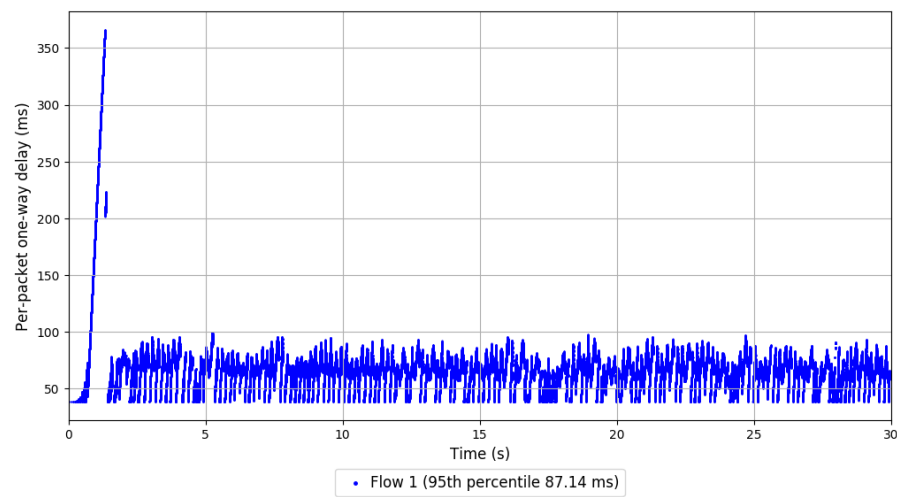
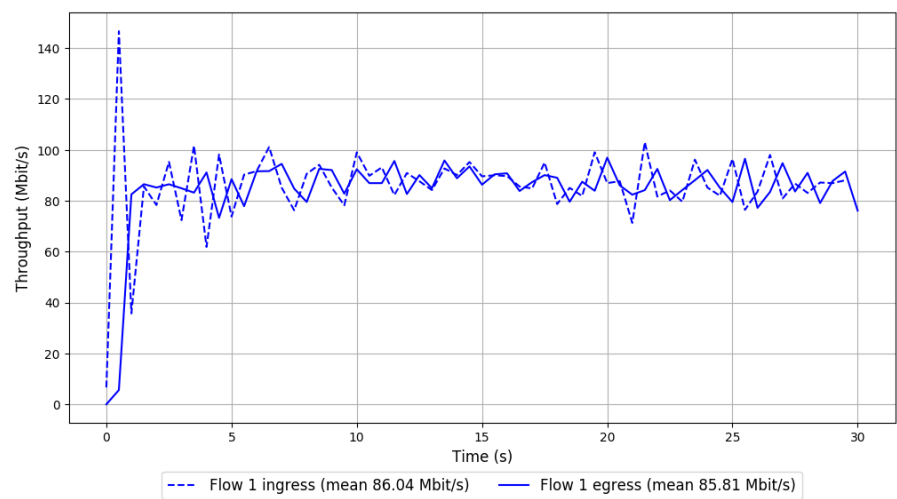


Run 2: Statistics of Verus

Start at: 2019-07-18 05:29:33
End at: 2019-07-18 05:30:03
Local clock offset: 0.126 ms
Remote clock offset: -1.298 ms

Below is generated by plot.py at 2019-07-18 07:49:06
Datalink statistics
-- Total of 1 flow:
Average throughput: 85.81 Mbit/s
95th percentile per-packet one-way delay: 87.145 ms
Loss rate: 0.47%
-- Flow 1:
Average throughput: 85.81 Mbit/s
95th percentile per-packet one-way delay: 87.145 ms
Loss rate: 0.47%

Run 2: Report of Verus — Data Link

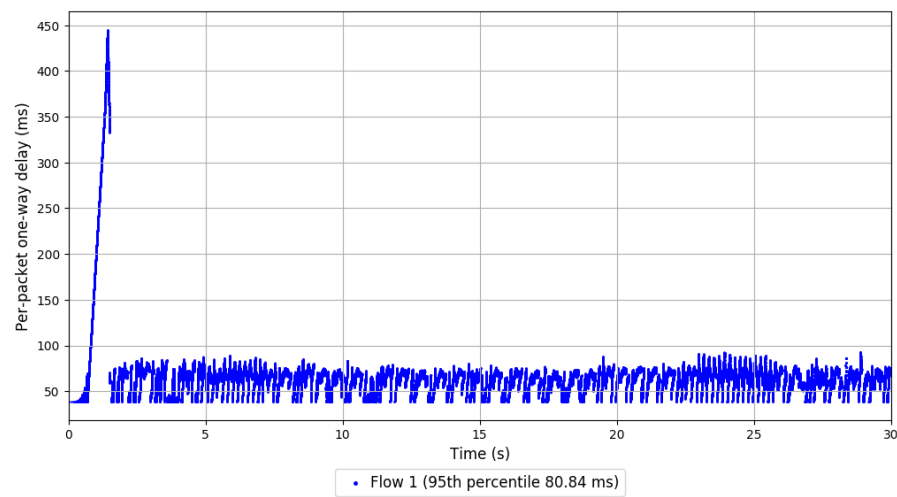
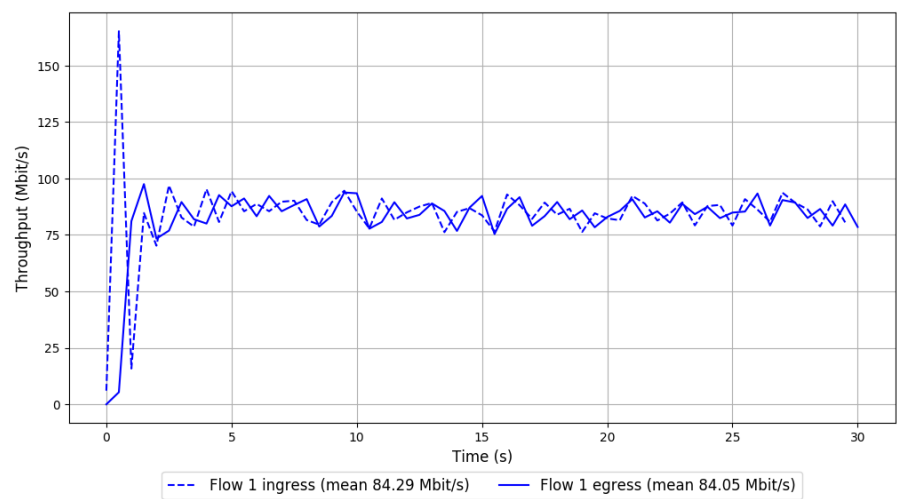


Run 3: Statistics of Verus

Start at: 2019-07-18 06:02:27
End at: 2019-07-18 06:02:57
Local clock offset: -1.838 ms
Remote clock offset: -0.383 ms

Below is generated by plot.py at 2019-07-18 07:49:06
Datalink statistics
-- Total of 1 flow:
Average throughput: 84.05 Mbit/s
95th percentile per-packet one-way delay: 80.844 ms
Loss rate: 0.49%
-- Flow 1:
Average throughput: 84.05 Mbit/s
95th percentile per-packet one-way delay: 80.844 ms
Loss rate: 0.49%

Run 3: Report of Verus — Data Link



Run 4: Statistics of Verus

Start at: 2019-07-18 06:34:06

End at: 2019-07-18 06:34:36

Local clock offset: -3.176 ms

Remote clock offset: 0.332 ms

Below is generated by plot.py at 2019-07-18 07:49:07

Datalink statistics

-- Total of 1 flow:

Average throughput: 85.20 Mbit/s

95th percentile per-packet one-way delay: 81.434 ms

Loss rate: 0.21%

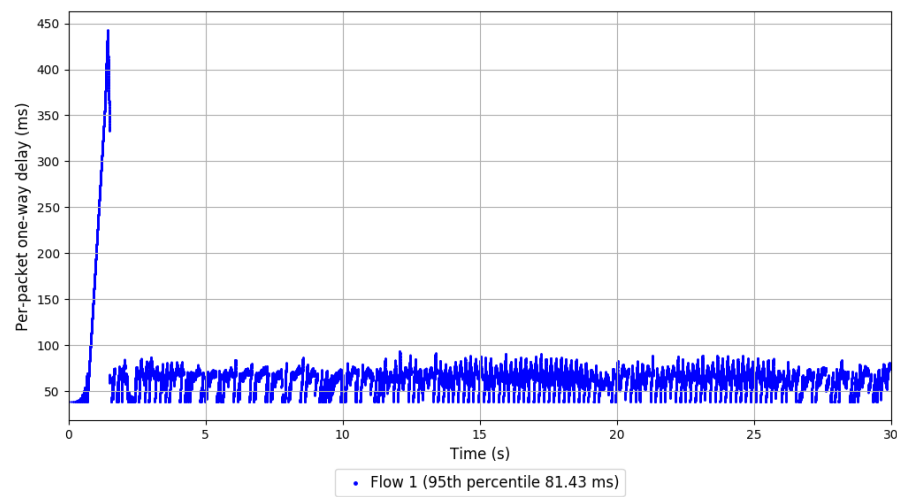
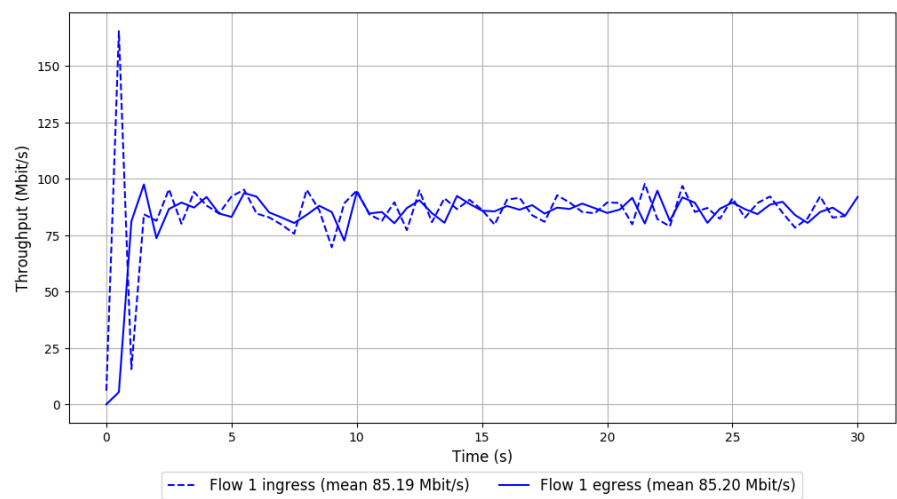
-- Flow 1:

Average throughput: 85.20 Mbit/s

95th percentile per-packet one-way delay: 81.434 ms

Loss rate: 0.21%

Run 4: Report of Verus — Data Link



Run 5: Statistics of Verus

Start at: 2019-07-18 07:04:41

End at: 2019-07-18 07:05:11

Local clock offset: -3.08 ms

Remote clock offset: 0.879 ms

Below is generated by plot.py at 2019-07-18 07:49:07

Datalink statistics

-- Total of 1 flow:

Average throughput: 84.25 Mbit/s

95th percentile per-packet one-way delay: 79.414 ms

Loss rate: 0.52%

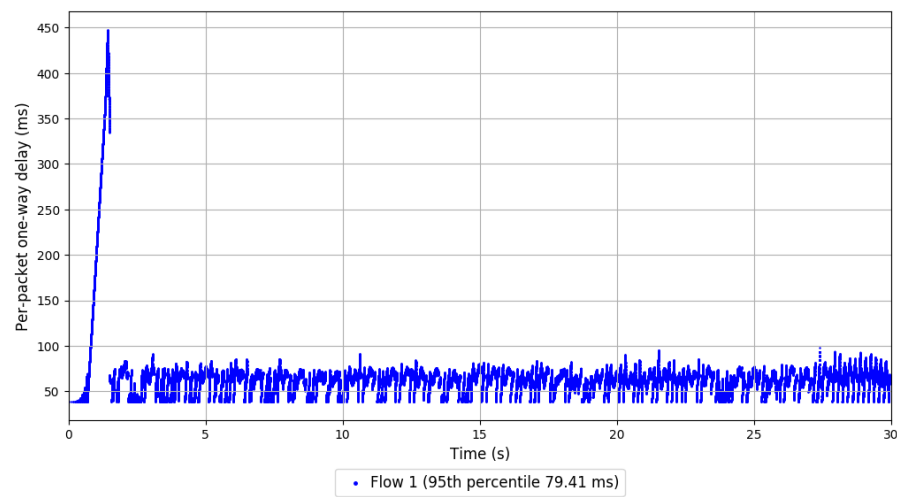
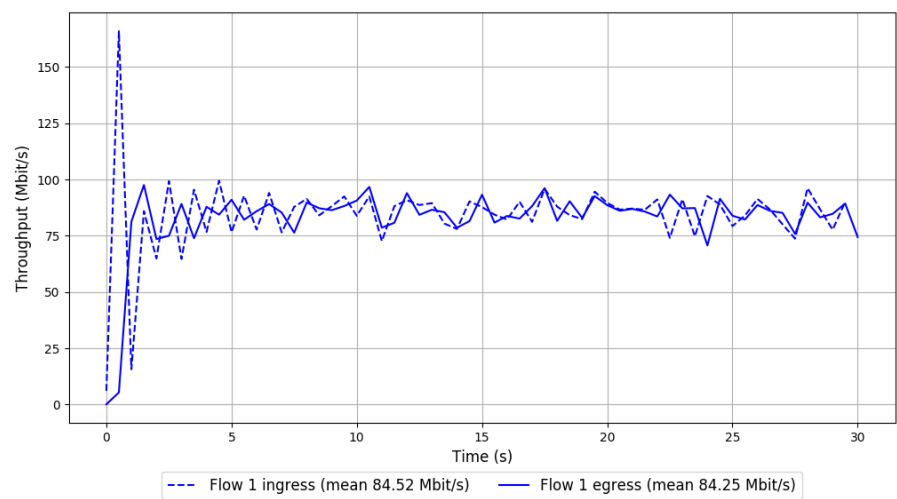
-- Flow 1:

Average throughput: 84.25 Mbit/s

95th percentile per-packet one-way delay: 79.414 ms

Loss rate: 0.52%

Run 5: Report of Verus — Data Link



Run 1: Statistics of PCC-Vivace

Start at: 2019-07-18 04:45:35

End at: 2019-07-18 04:46:05

Local clock offset: 0.242 ms

Remote clock offset: -2.839 ms

Below is generated by plot.py at 2019-07-18 07:49:17

Datalink statistics

-- Total of 1 flow:

Average throughput: 85.61 Mbit/s

95th percentile per-packet one-way delay: 40.880 ms

Loss rate: 0.24%

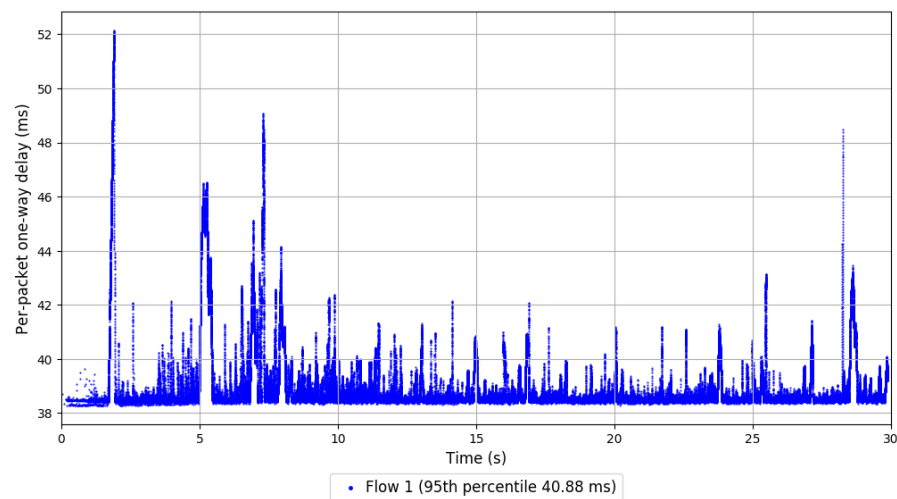
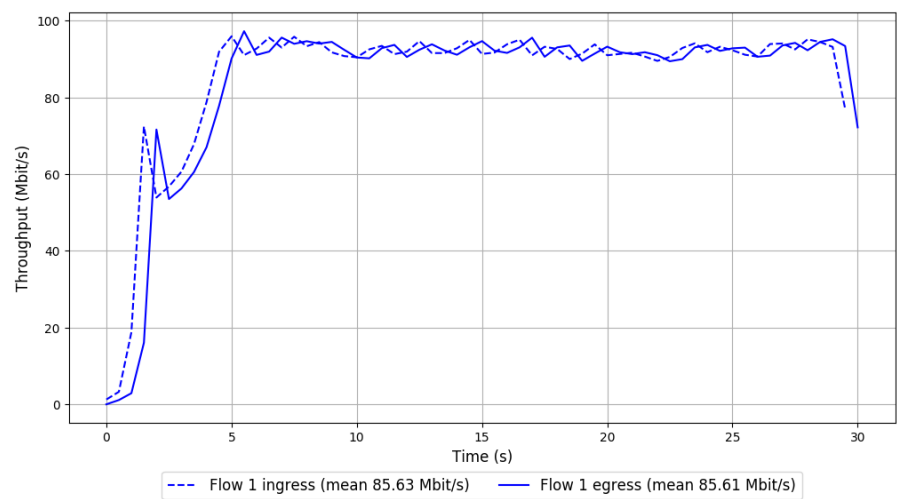
-- Flow 1:

Average throughput: 85.61 Mbit/s

95th percentile per-packet one-way delay: 40.880 ms

Loss rate: 0.24%

Run 1: Report of PCC-Vivace — Data Link



Run 2: Statistics of PCC-Vivace

Start at: 2019-07-18 05:26:42

End at: 2019-07-18 05:27:12

Local clock offset: 0.098 ms

Remote clock offset: -1.269 ms

Below is generated by plot.py at 2019-07-18 07:49:30

Datalink statistics

-- Total of 1 flow:

Average throughput: 84.81 Mbit/s

95th percentile per-packet one-way delay: 41.770 ms

Loss rate: 0.24%

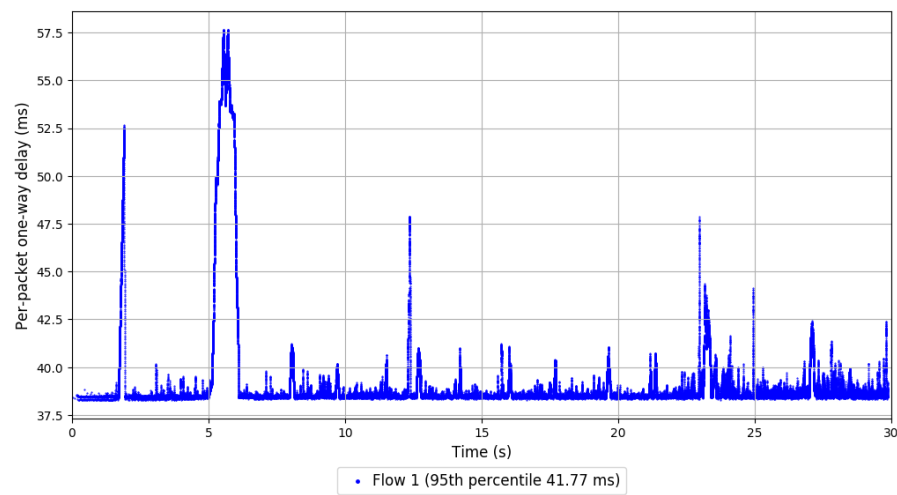
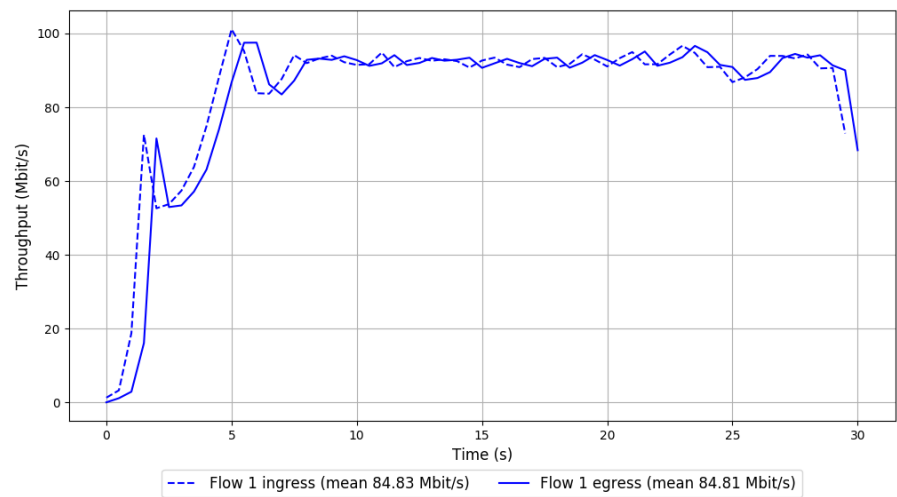
-- Flow 1:

Average throughput: 84.81 Mbit/s

95th percentile per-packet one-way delay: 41.770 ms

Loss rate: 0.24%

Run 2: Report of PCC-Vivace — Data Link

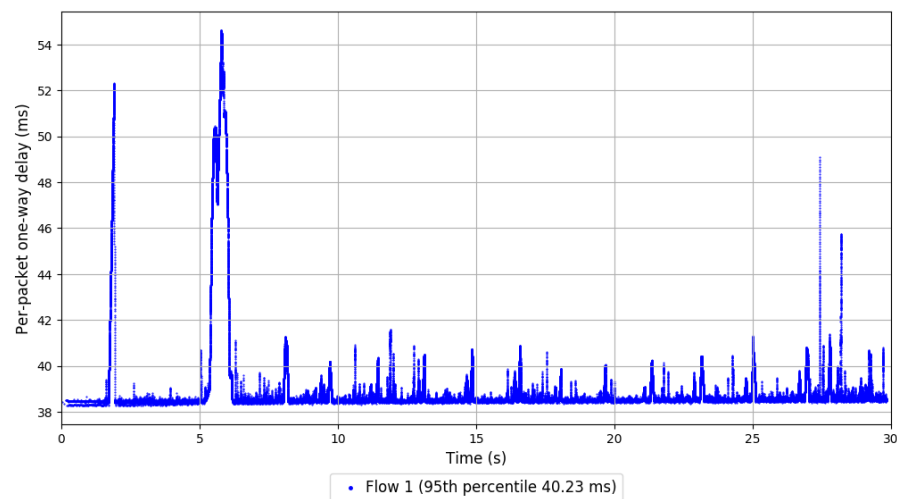
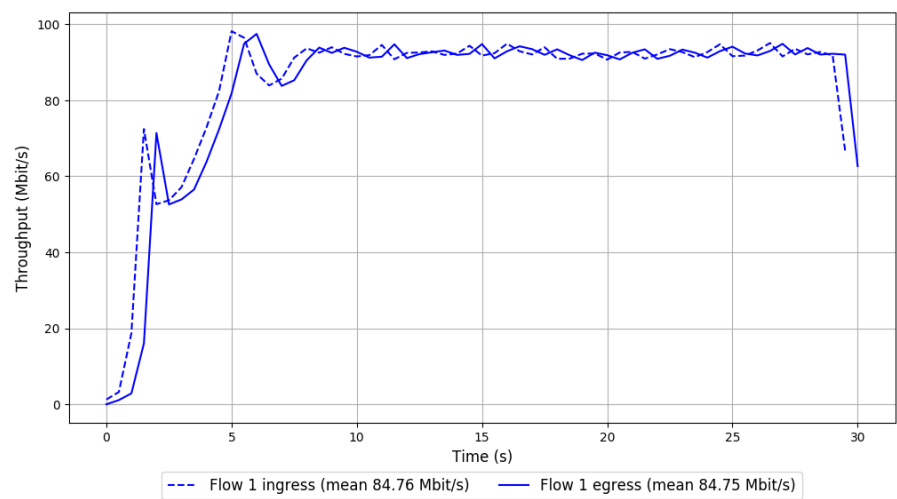


Run 3: Statistics of PCC-Vivace

Start at: 2019-07-18 05:59:44
End at: 2019-07-18 06:00:14
Local clock offset: -1.391 ms
Remote clock offset: -0.453 ms

Below is generated by plot.py at 2019-07-18 07:49:30
Datalink statistics
-- Total of 1 flow:
Average throughput: 84.75 Mbit/s
95th percentile per-packet one-way delay: 40.226 ms
Loss rate: 0.22%
-- Flow 1:
Average throughput: 84.75 Mbit/s
95th percentile per-packet one-way delay: 40.226 ms
Loss rate: 0.22%

Run 3: Report of PCC-Vivace — Data Link



Run 4: Statistics of PCC-Vivace

Start at: 2019-07-18 06:31:12

End at: 2019-07-18 06:31:42

Local clock offset: -3.133 ms

Remote clock offset: 0.325 ms

Below is generated by plot.py at 2019-07-18 07:49:34

Datalink statistics

-- Total of 1 flow:

Average throughput: 85.39 Mbit/s

95th percentile per-packet one-way delay: 39.884 ms

Loss rate: 0.23%

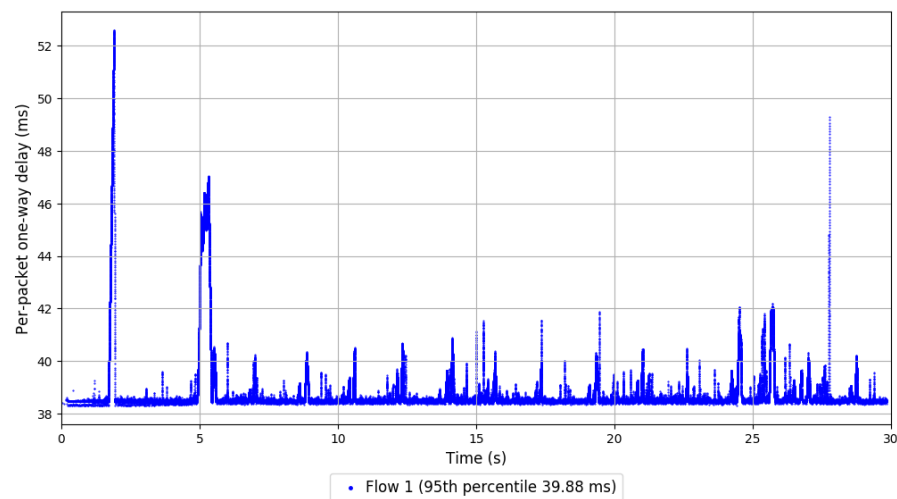
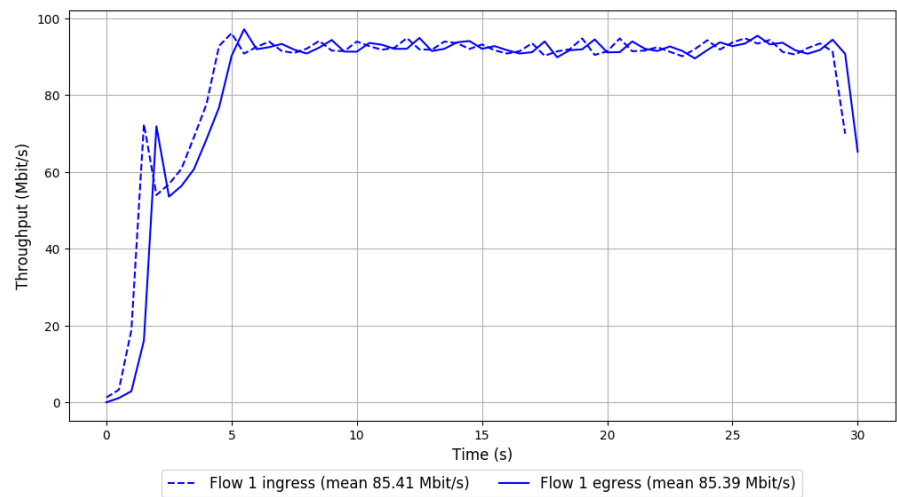
-- Flow 1:

Average throughput: 85.39 Mbit/s

95th percentile per-packet one-way delay: 39.884 ms

Loss rate: 0.23%

Run 4: Report of PCC-Vivace — Data Link



Run 5: Statistics of PCC-Vivace

Start at: 2019-07-18 07:02:09

End at: 2019-07-18 07:02:39

Local clock offset: -3.212 ms

Remote clock offset: 0.821 ms

Below is generated by plot.py at 2019-07-18 07:49:34

Datalink statistics

-- Total of 1 flow:

Average throughput: 85.41 Mbit/s

95th percentile per-packet one-way delay: 39.818 ms

Loss rate: 0.23%

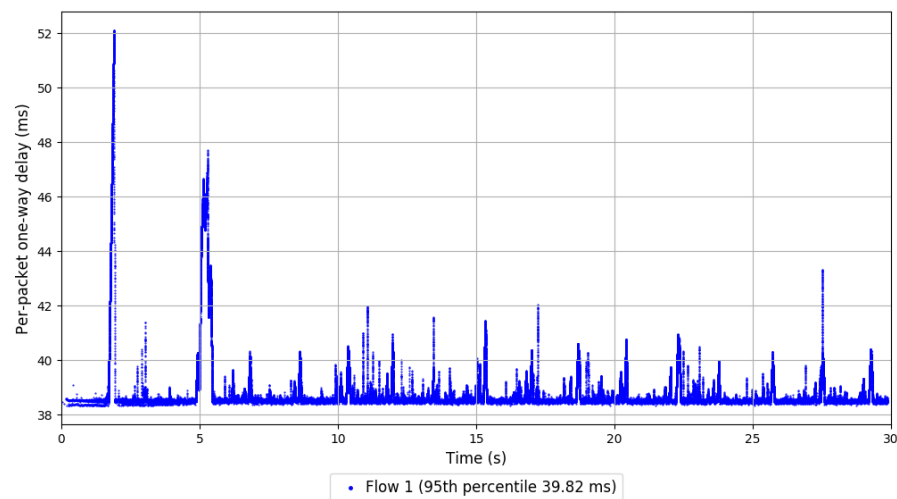
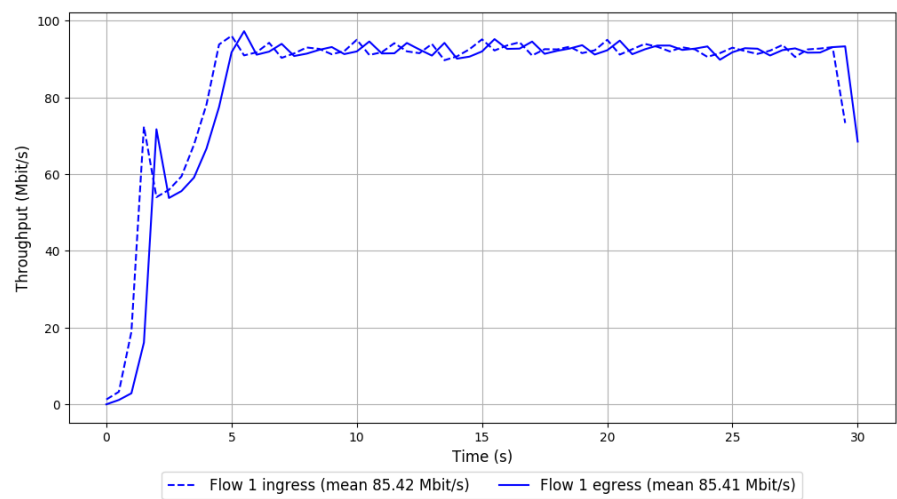
-- Flow 1:

Average throughput: 85.41 Mbit/s

95th percentile per-packet one-way delay: 39.818 ms

Loss rate: 0.23%

Run 5: Report of PCC-Vivace — Data Link

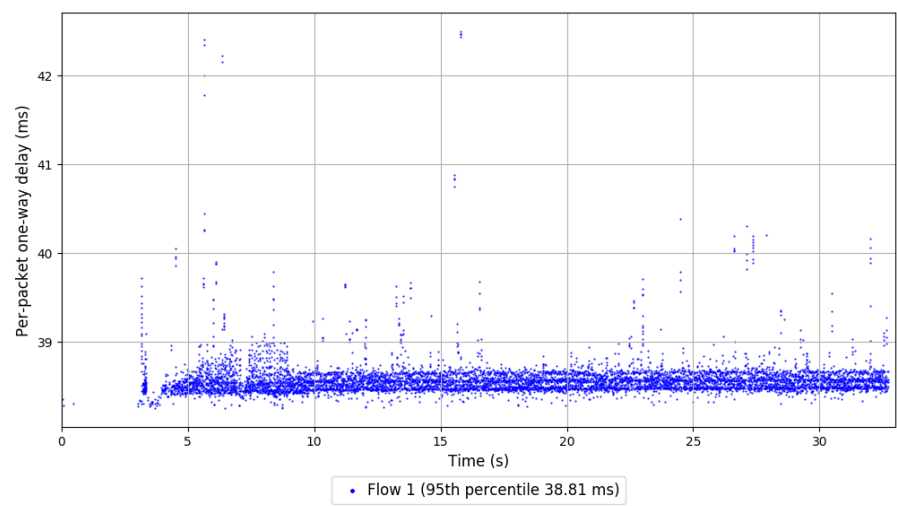
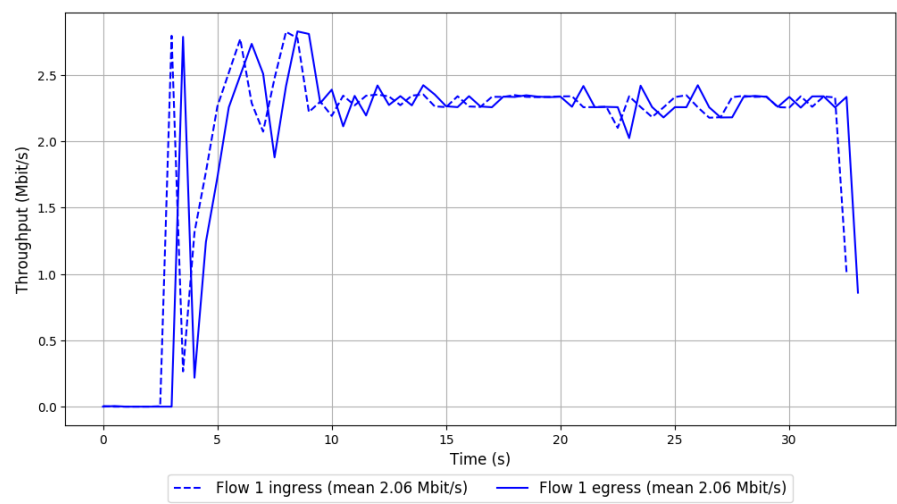


Run 1: Statistics of WebRTC media

Start at: 2019-07-18 05:18:37
End at: 2019-07-18 05:19:07
Local clock offset: 0.161 ms
Remote clock offset: -1.546 ms

Below is generated by plot.py at 2019-07-18 07:49:34
Datalink statistics
-- Total of 1 flow:
Average throughput: 2.06 Mbit/s
95th percentile per-packet one-way delay: 38.808 ms
Loss rate: 0.23%
-- Flow 1:
Average throughput: 2.06 Mbit/s
95th percentile per-packet one-way delay: 38.808 ms
Loss rate: 0.23%

Run 1: Report of WebRTC media — Data Link

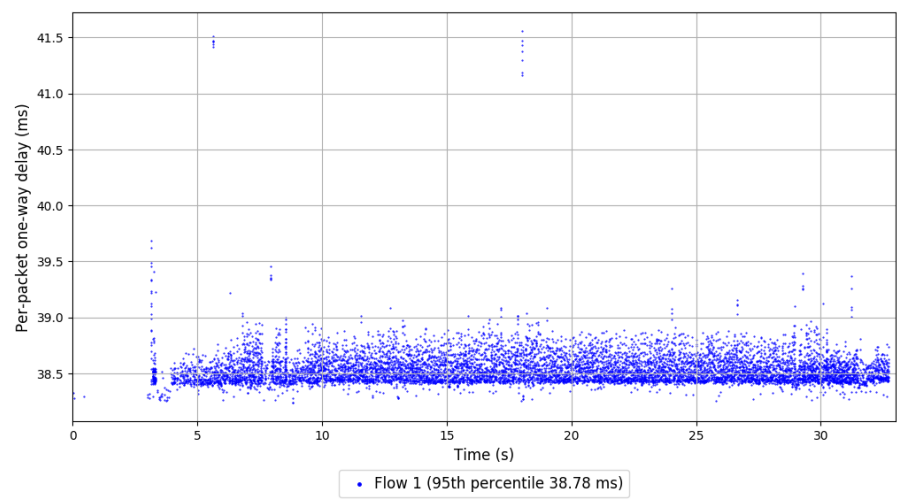
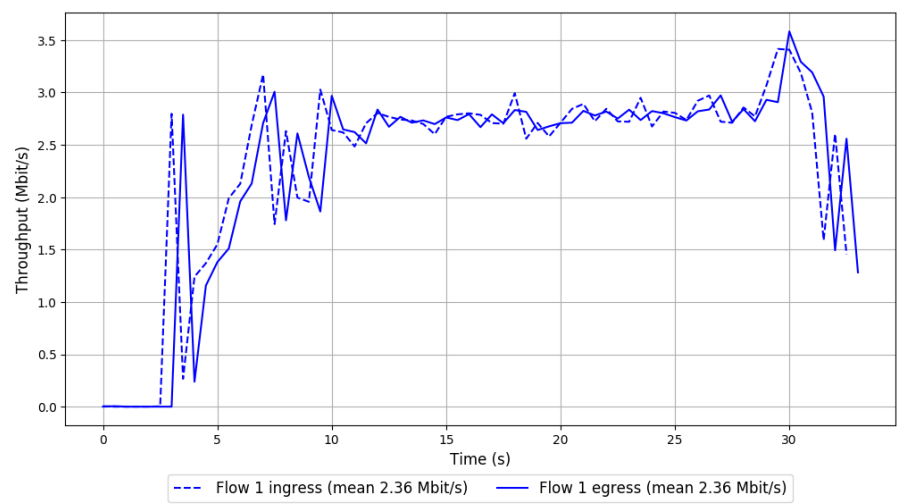


Run 2: Statistics of WebRTC media

Start at: 2019-07-18 05:53:02
End at: 2019-07-18 05:53:32
Local clock offset: -0.19 ms
Remote clock offset: -0.575 ms

Below is generated by plot.py at 2019-07-18 07:49:34
Datalink statistics
-- Total of 1 flow:
Average throughput: 2.36 Mbit/s
95th percentile per-packet one-way delay: 38.777 ms
Loss rate: 0.24%
-- Flow 1:
Average throughput: 2.36 Mbit/s
95th percentile per-packet one-way delay: 38.777 ms
Loss rate: 0.24%

Run 2: Report of WebRTC media — Data Link



Run 3: Statistics of WebRTC media

Start at: 2019-07-18 06:24:35

End at: 2019-07-18 06:25:05

Local clock offset: -2.973 ms

Remote clock offset: 0.178 ms

Below is generated by plot.py at 2019-07-18 07:49:34

Datalink statistics

-- Total of 1 flow:

Average throughput: 2.36 Mbit/s

95th percentile per-packet one-way delay: 38.902 ms

Loss rate: 0.24%

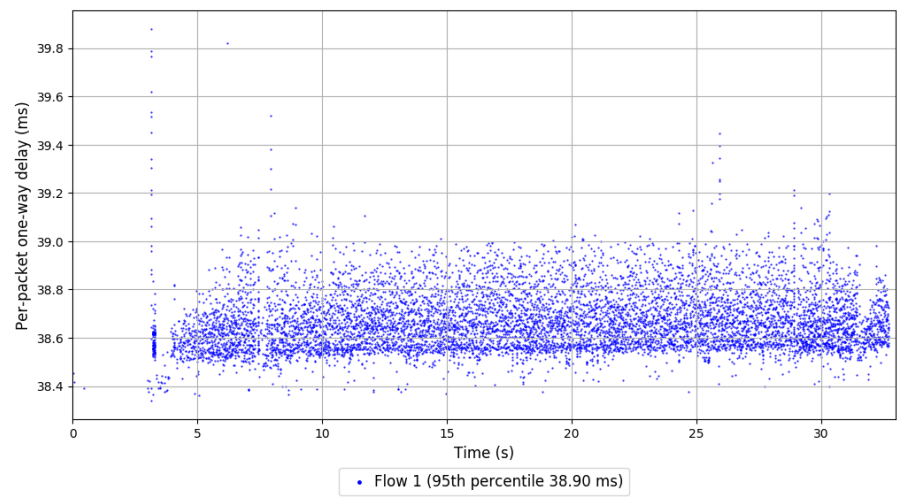
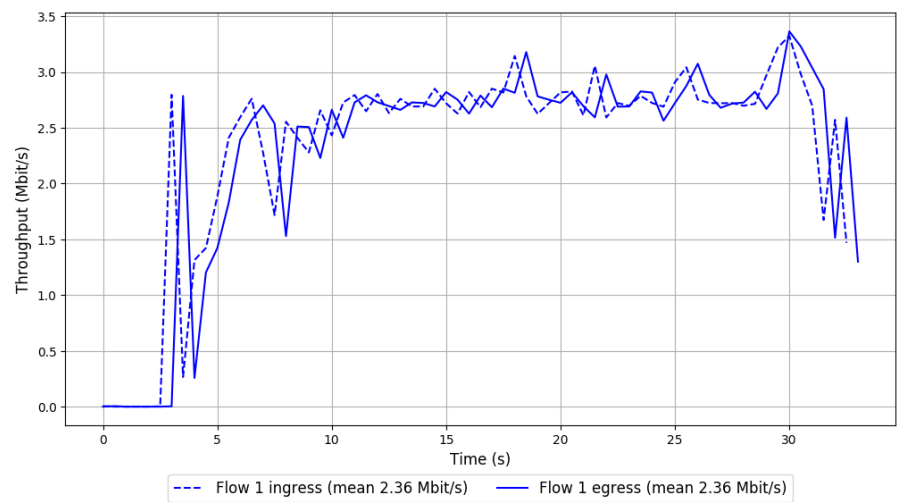
-- Flow 1:

Average throughput: 2.36 Mbit/s

95th percentile per-packet one-way delay: 38.902 ms

Loss rate: 0.24%

Run 3: Report of WebRTC media — Data Link



Run 4: Statistics of WebRTC media

Start at: 2019-07-18 06:55:51

End at: 2019-07-18 06:56:21

Local clock offset: -3.604 ms

Remote clock offset: 0.774 ms

Below is generated by plot.py at 2019-07-18 07:49:34

Datalink statistics

-- Total of 1 flow:

Average throughput: 2.26 Mbit/s

95th percentile per-packet one-way delay: 38.769 ms

Loss rate: 0.26%

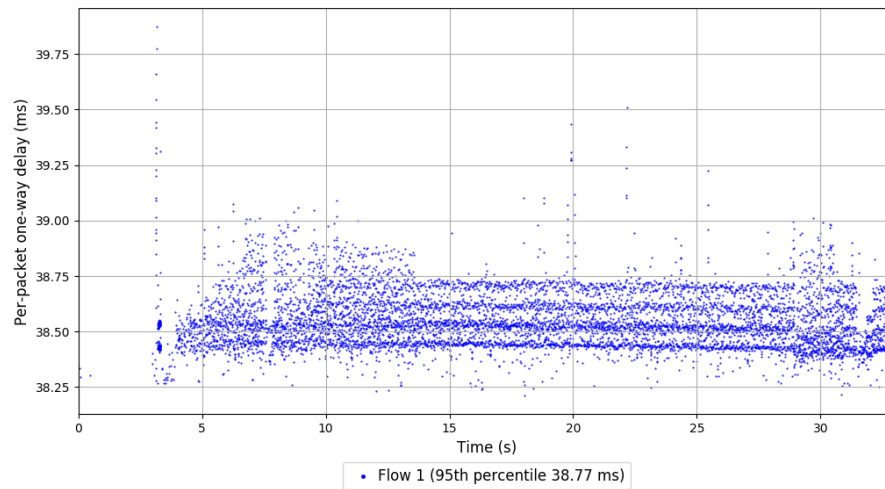
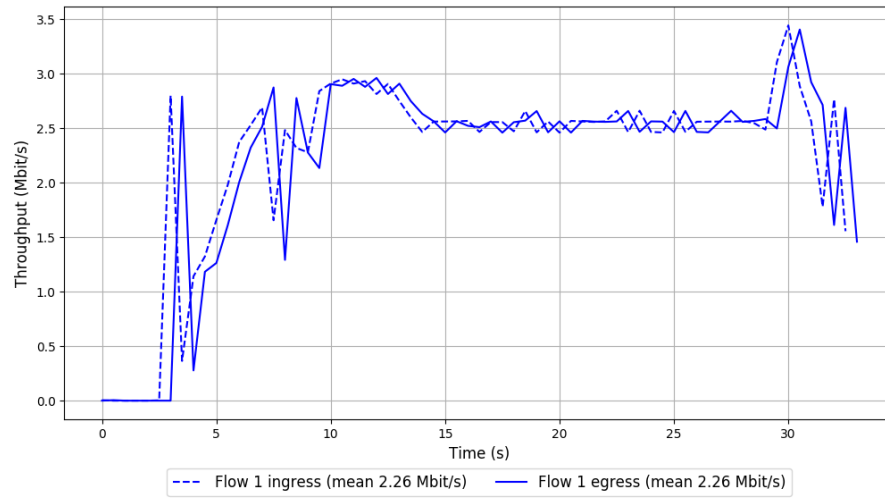
-- Flow 1:

Average throughput: 2.26 Mbit/s

95th percentile per-packet one-way delay: 38.769 ms

Loss rate: 0.26%

Run 4: Report of WebRTC media — Data Link



Run 5: Statistics of WebRTC media

Start at: 2019-07-18 07:26:30

End at: 2019-07-18 07:27:00

Local clock offset: -2.275 ms

Remote clock offset: 1.053 ms

Below is generated by plot.py at 2019-07-18 07:49:34

Datalink statistics

-- Total of 1 flow:

Average throughput: 2.37 Mbit/s

95th percentile per-packet one-way delay: 38.583 ms

Loss rate: 0.24%

-- Flow 1:

Average throughput: 2.37 Mbit/s

95th percentile per-packet one-way delay: 38.583 ms

Loss rate: 0.24%

Run 5: Report of WebRTC media — Data Link

