

Pantheon Report

Generated at 2019-08-26 20:18:09 (UTC).

Data path: AWS California 2 on **ens5** (*local*) → Mexico on **em1** (*remote*).

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:

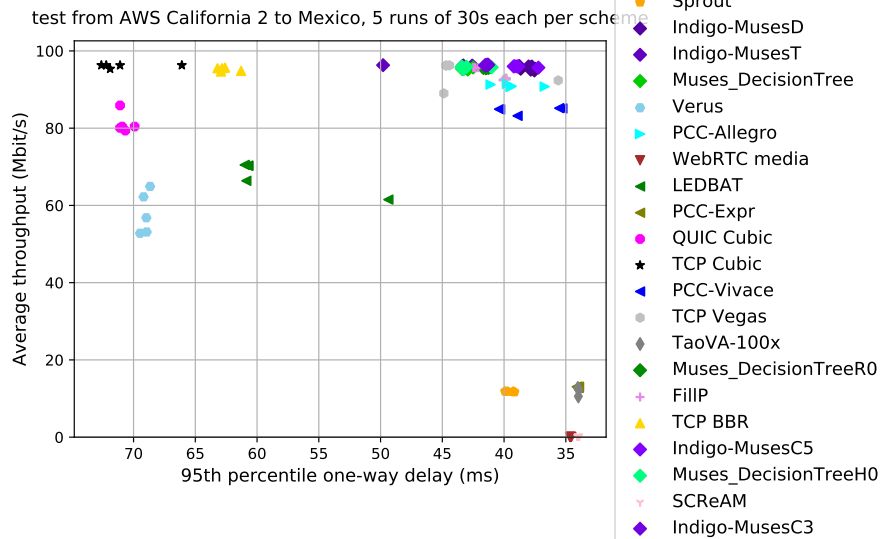
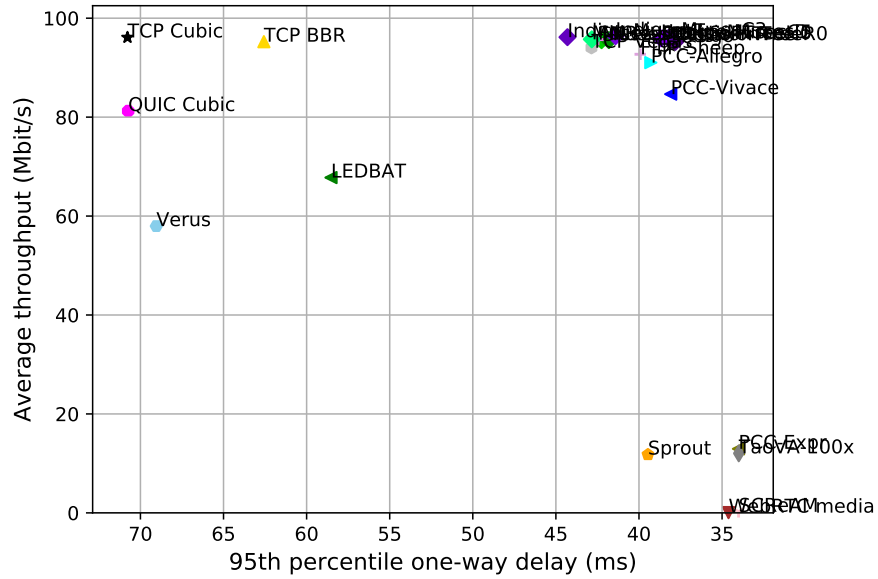
```
Linux 4.15.0-1043-aws
net.core.default_qdisc = fq
net.core.rmem_default = 16777216
net.core.rmem_max = 536870912
net.core.wmem_default = 16777216
net.core.wmem_max = 536870912
net.ipv4.tcp_rmem = 4096 16777216 536870912
net.ipv4.tcp_wmem = 4096 16777216 536870912
```

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 AWS California 2 to Mexico, 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	95.25	62.57	1.29
Copa	0	N/A	N/A	N/A
TCP Cubic	5	96.11	70.78	0.57
FillP	5	95.66	42.47	0.68
FillP-Sheep	5	92.70	39.92	0.60
Indigo	5	95.20	37.82	0.02
Indigo-MusesC3	5	96.37	41.41	0.01
Indigo-MusesC5	5	95.92	38.68	0.00
Indigo-MusesD	5	95.98	38.23	0.02
Indigo-MusesT	5	96.16	44.30	0.95
LEDBAT	5	67.78	58.53	0.00
Muses_DecisionTree	5	95.55	42.25	0.08
Muses_DecisionTreeH0	5	95.73	42.84	0.07
Muses_DecisionTreeR0	5	95.57	41.81	0.06
PCC-Allegro	5	91.02	39.29	0.70
PCC-Expr	5	12.95	34.01	45.72
QUIC Cubic	5	81.23	70.74	1.69
SCReAM	5	0.21	34.01	0.00
Sprout	5	11.79	39.46	0.00
TaoVA-100x	4	12.03	33.99	74.89
TCP Vegas	5	94.02	42.86	0.35
Verus	5	57.97	69.04	22.07
PCC-Vivace	5	84.65	38.09	0.00
WebRTC media	5	0.05	34.61	0.00

Run 1: Statistics of TCP BBR

Start at: 2019-08-26 18:04:47

End at: 2019-08-26 18:05:17

Local clock offset: -4.827 ms

Remote clock offset: 3.092 ms

Below is generated by plot.py at 2019-08-26 20:05:26

Datalink statistics

-- Total of 1 flow:

Average throughput: 95.53 Mbit/s

95th percentile per-packet one-way delay: 63.202 ms

Loss rate: 1.60%

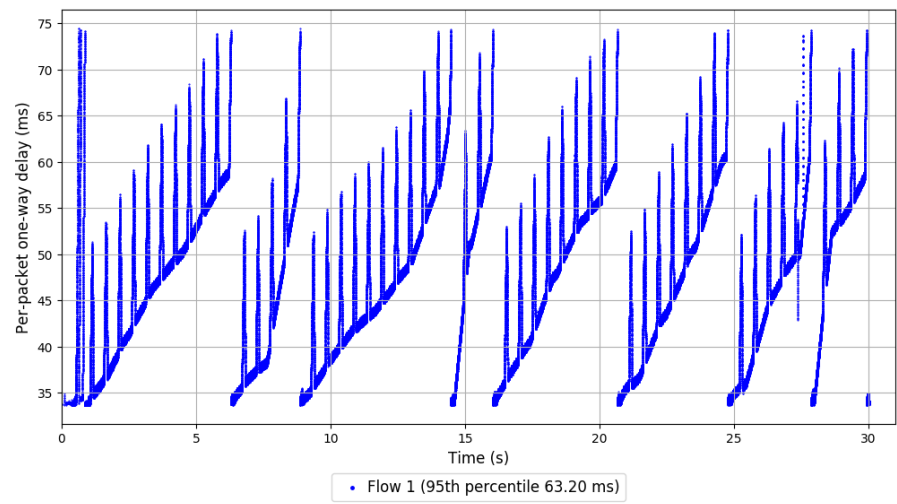
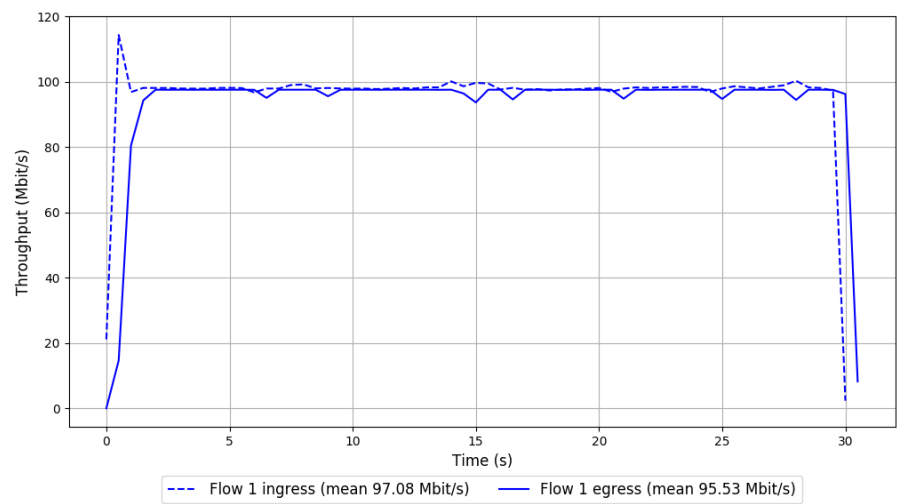
-- Flow 1:

Average throughput: 95.53 Mbit/s

95th percentile per-packet one-way delay: 63.202 ms

Loss rate: 1.60%

Run 1: Report of TCP BBR — Data Link



Run 2: Statistics of TCP BBR

Start at: 2019-08-26 18:34:01

End at: 2019-08-26 18:34:32

Local clock offset: -4.751 ms

Remote clock offset: 3.148 ms

Below is generated by plot.py at 2019-08-26 20:05:26

Datalink statistics

-- Total of 1 flow:

Average throughput: 95.67 Mbit/s

95th percentile per-packet one-way delay: 62.595 ms

Loss rate: 1.28%

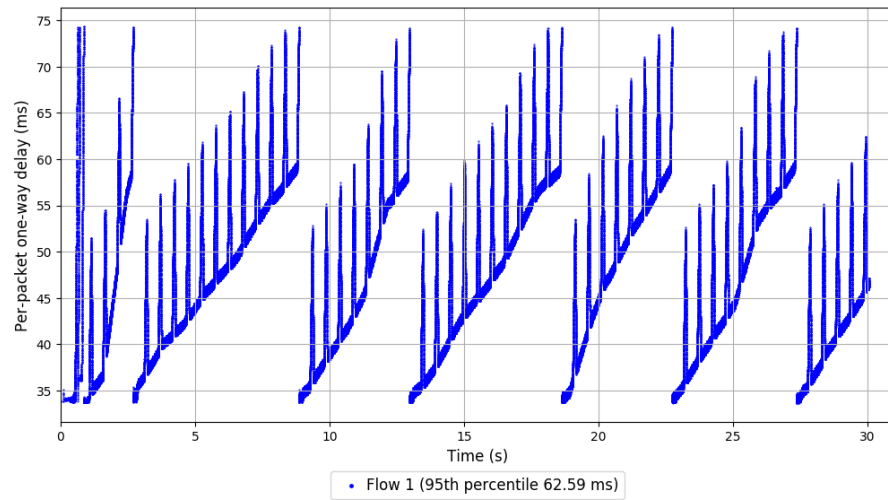
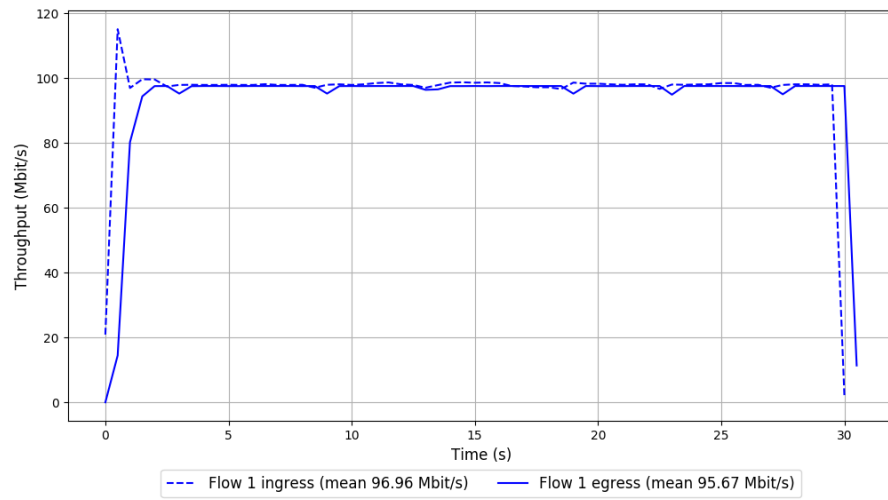
-- Flow 1:

Average throughput: 95.67 Mbit/s

95th percentile per-packet one-way delay: 62.595 ms

Loss rate: 1.28%

Run 2: Report of TCP BBR — Data Link



Run 3: Statistics of TCP BBR

Start at: 2019-08-26 19:03:49

End at: 2019-08-26 19:04:19

Local clock offset: -4.698 ms

Remote clock offset: 5.915 ms

Below is generated by plot.py at 2019-08-26 20:05:26

Datalink statistics

-- Total of 1 flow:

Average throughput: 95.52 Mbit/s

95th percentile per-packet one-way delay: 62.844 ms

Loss rate: 1.58%

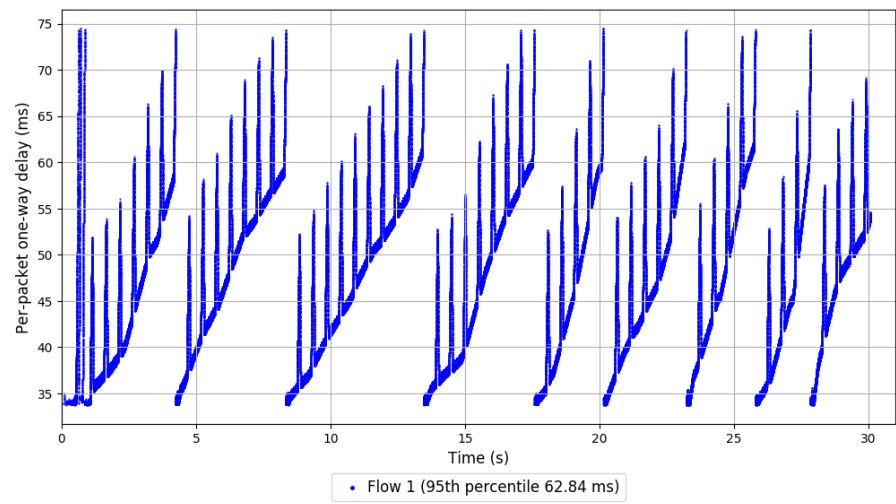
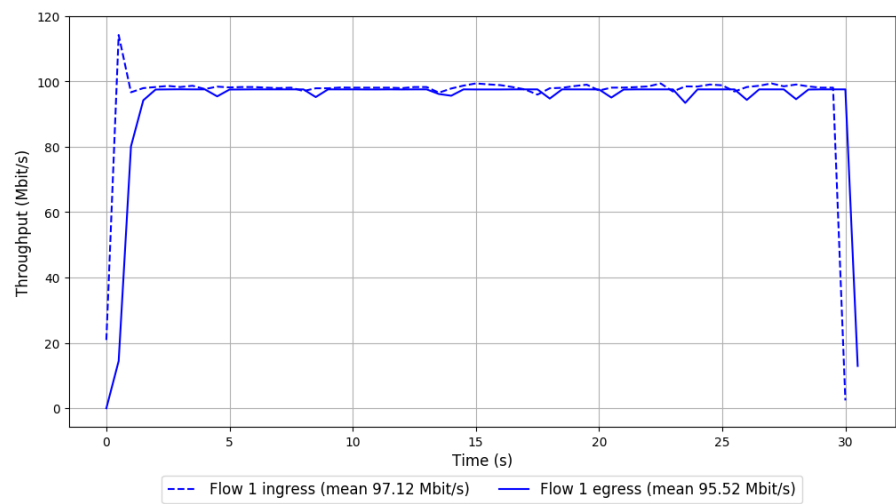
-- Flow 1:

Average throughput: 95.52 Mbit/s

95th percentile per-packet one-way delay: 62.844 ms

Loss rate: 1.58%

Run 3: Report of TCP BBR — Data Link



Run 4: Statistics of TCP BBR

Start at: 2019-08-26 19:32:56

End at: 2019-08-26 19:33:26

Local clock offset: -5.493 ms

Remote clock offset: 6.367 ms

Below is generated by plot.py at 2019-08-26 20:05:26

Datalink statistics

-- Total of 1 flow:

Average throughput: 94.84 Mbit/s

95th percentile per-packet one-way delay: 61.290 ms

Loss rate: 0.94%

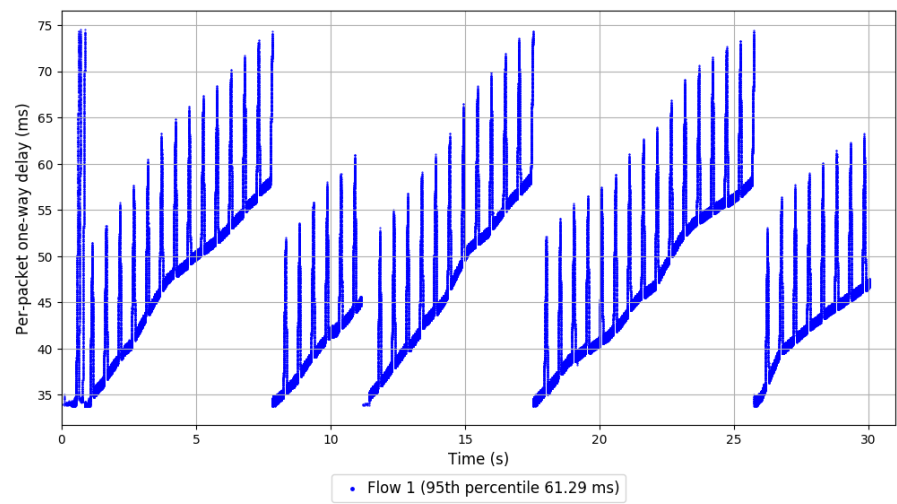
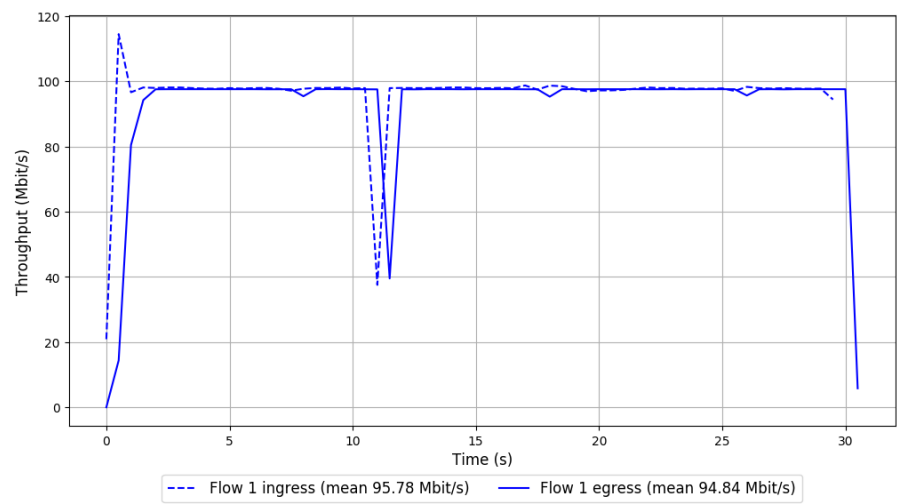
-- Flow 1:

Average throughput: 94.84 Mbit/s

95th percentile per-packet one-way delay: 61.290 ms

Loss rate: 0.94%

Run 4: Report of TCP BBR — Data Link



Run 5: Statistics of TCP BBR

Start at: 2019-08-26 20:01:43

End at: 2019-08-26 20:02:13

Local clock offset: -6.155 ms

Remote clock offset: 5.284 ms

Below is generated by plot.py at 2019-08-26 20:05:26

Datalink statistics

-- Total of 1 flow:

Average throughput: 94.68 Mbit/s

95th percentile per-packet one-way delay: 62.928 ms

Loss rate: 1.06%

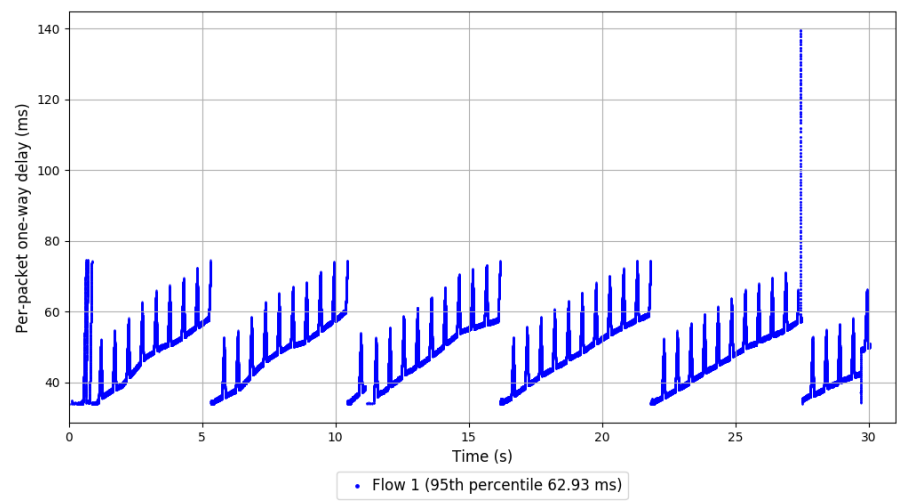
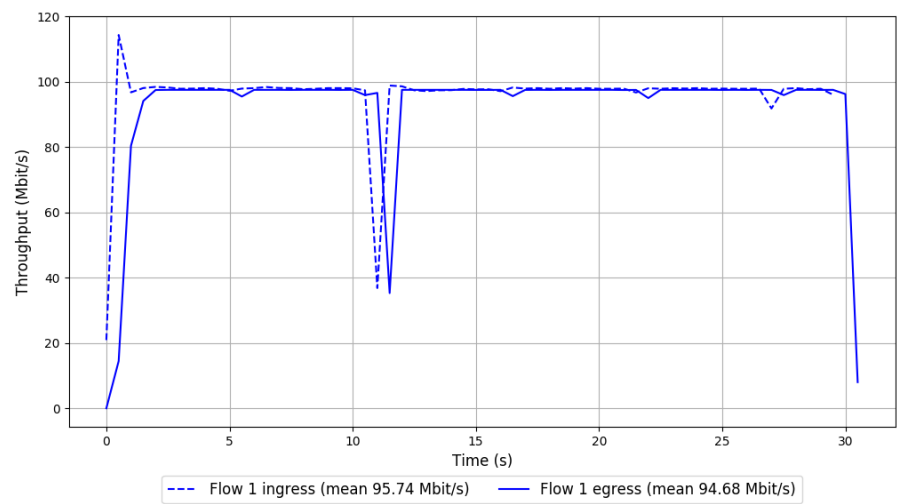
-- Flow 1:

Average throughput: 94.68 Mbit/s

95th percentile per-packet one-way delay: 62.928 ms

Loss rate: 1.06%

Run 5: Report of TCP BBR — Data Link



Run 1: Statistics of Copa

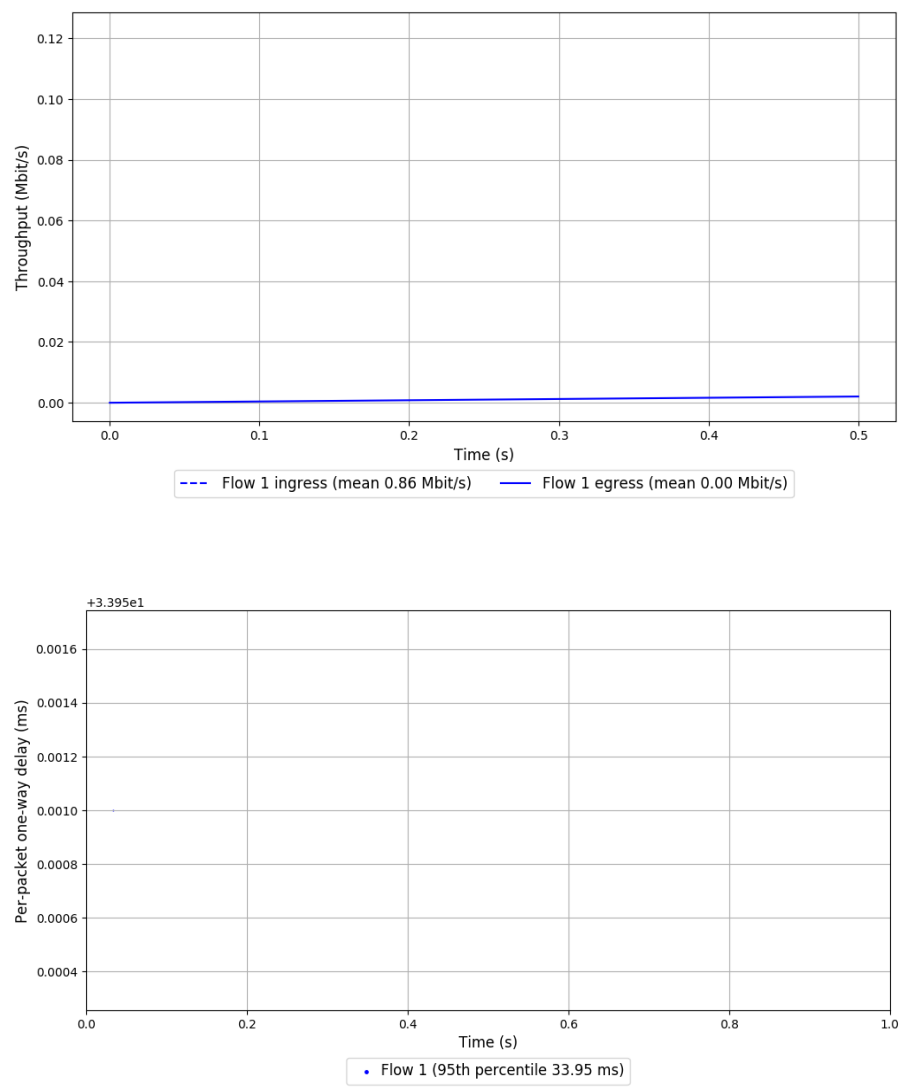
Start at: 2019-08-26 18:01:20

End at: 2019-08-26 18:01:50

Local clock offset: -4.875 ms

Remote clock offset: 3.179 ms

Run 1: Report of Copa — Data Link



Run 2: Statistics of Copa

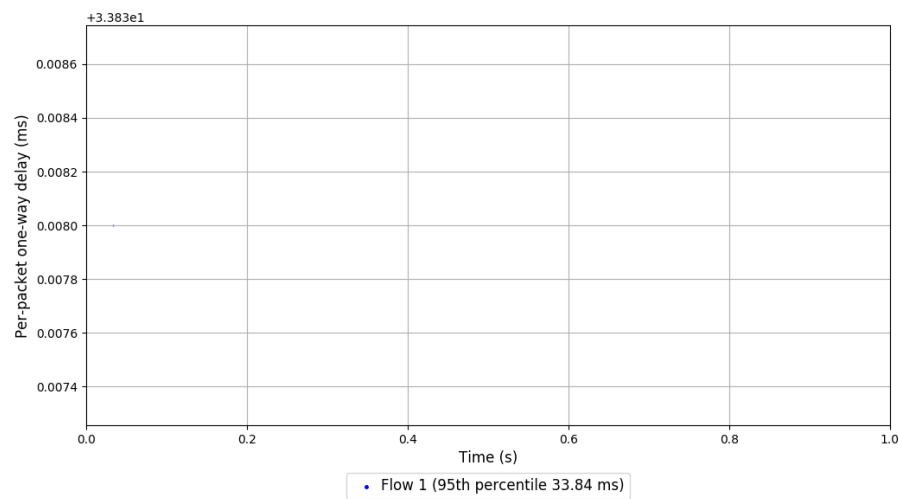
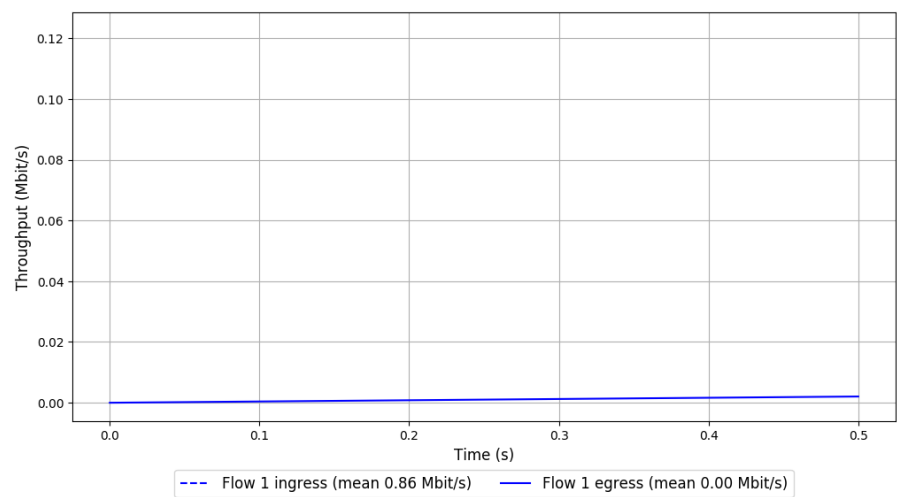
Start at: 2019-08-26 18:30:19

End at: 2019-08-26 18:30:49

Local clock offset: -4.704 ms

Remote clock offset: 2.831 ms

Run 2: Report of Copa — Data Link



Run 3: Statistics of Copa

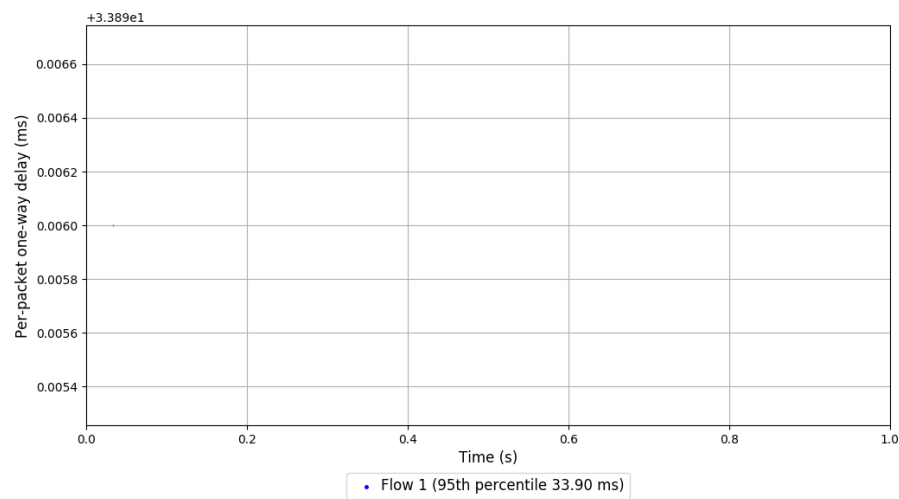
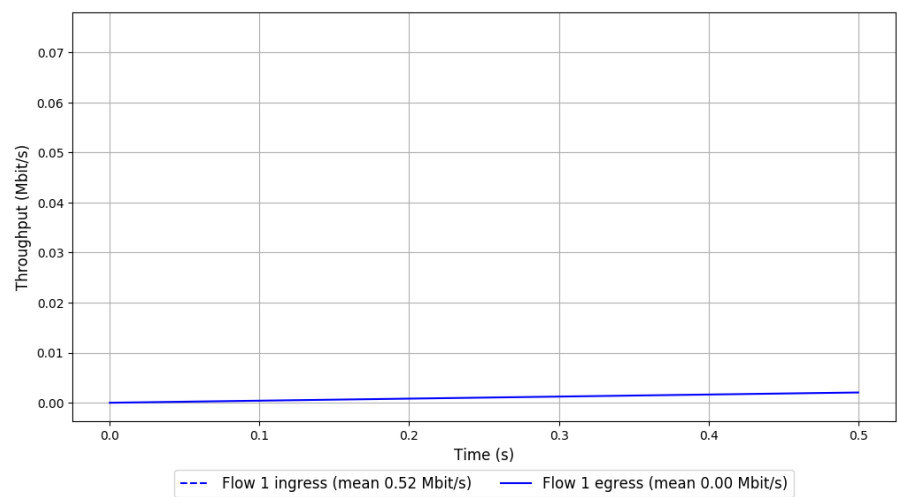
Start at: 2019-08-26 19:00:07

End at: 2019-08-26 19:00:37

Local clock offset: -4.643 ms

Remote clock offset: 5.719 ms

Run 3: Report of Copa — Data Link



Run 4: Statistics of Copa

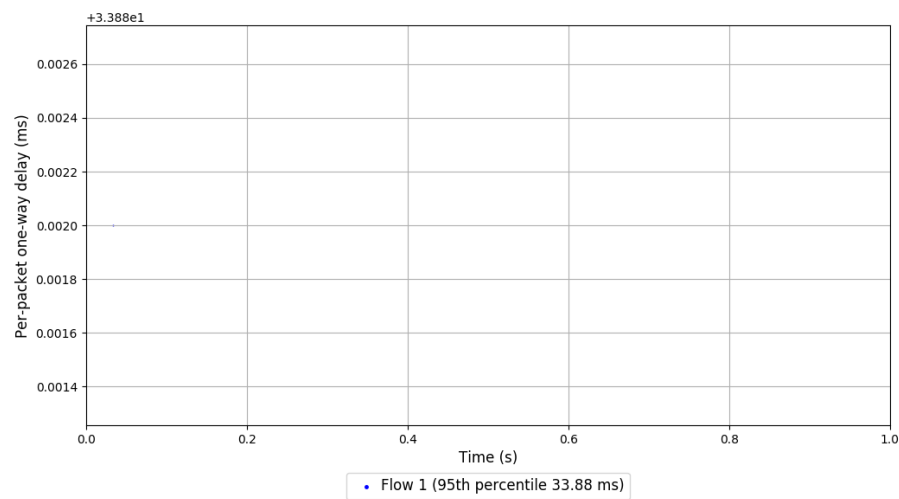
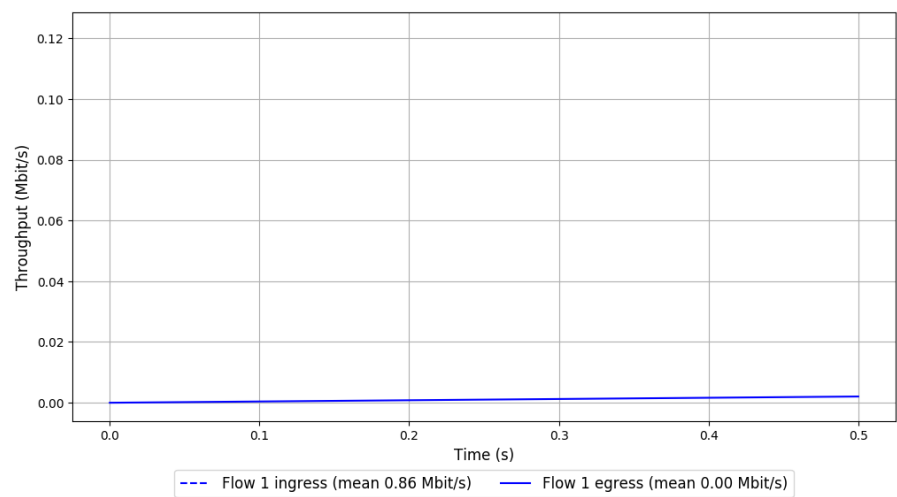
Start at: 2019-08-26 19:29:24

End at: 2019-08-26 19:29:54

Local clock offset: -5.439 ms

Remote clock offset: 6.277 ms

Run 4: Report of Copa — Data Link



Run 5: Statistics of Copa

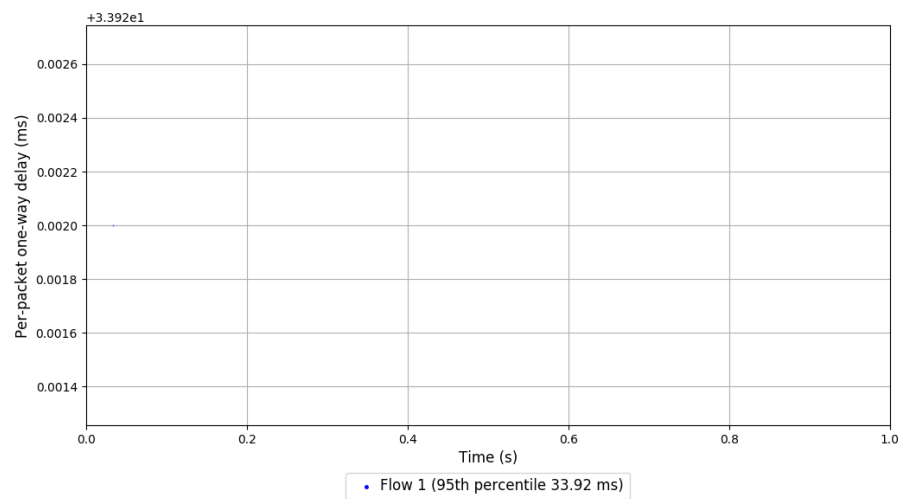
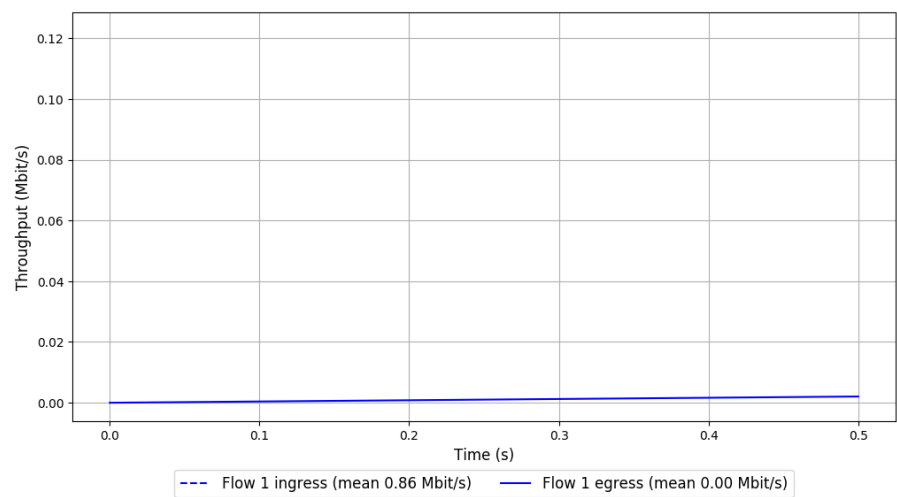
Start at: 2019-08-26 19:58:10

End at: 2019-08-26 19:58:40

Local clock offset: -6.301 ms

Remote clock offset: 5.464 ms

Run 5: Report of Copa — Data Link



Run 1: Statistics of TCP Cubic

Start at: 2019-08-26 17:48:30

End at: 2019-08-26 17:49:00

Local clock offset: -4.201 ms

Remote clock offset: 3.886 ms

Below is generated by plot.py at 2019-08-26 20:05:27

Datalink statistics

-- Total of 1 flow:

Average throughput: 96.30 Mbit/s

95th percentile per-packet one-way delay: 72.605 ms

Loss rate: 0.55%

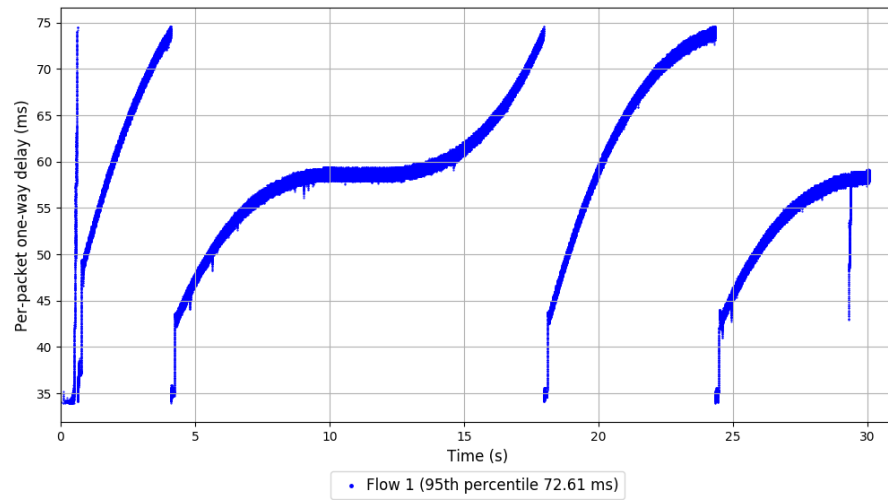
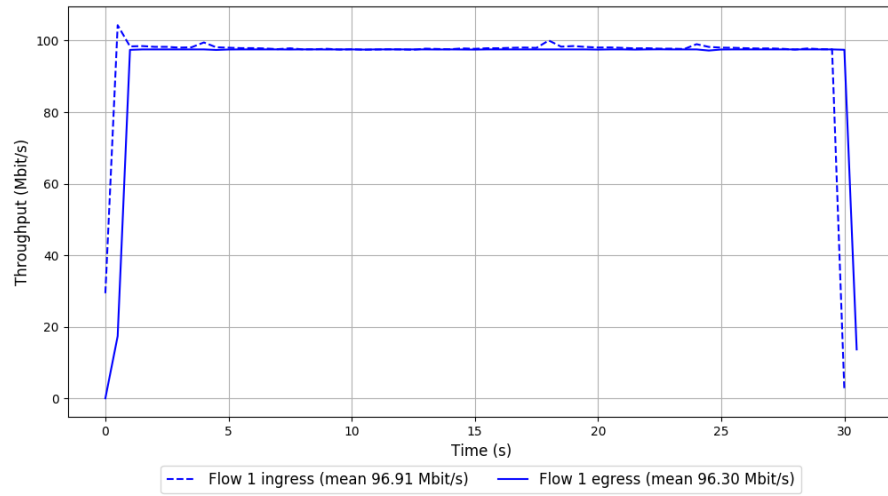
-- Flow 1:

Average throughput: 96.30 Mbit/s

95th percentile per-packet one-way delay: 72.605 ms

Loss rate: 0.55%

Run 1: Report of TCP Cubic — Data Link



Run 2: Statistics of TCP Cubic

Start at: 2019-08-26 18:17:45

End at: 2019-08-26 18:18:15

Local clock offset: -4.808 ms

Remote clock offset: 2.952 ms

Below is generated by plot.py at 2019-08-26 20:05:28

Datalink statistics

-- Total of 1 flow:

Average throughput: 96.30 Mbit/s

95th percentile per-packet one-way delay: 66.090 ms

Loss rate: 0.46%

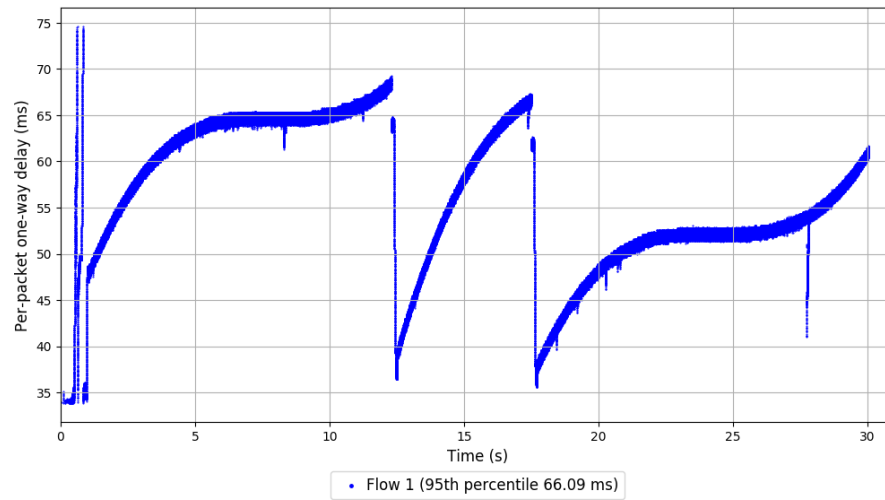
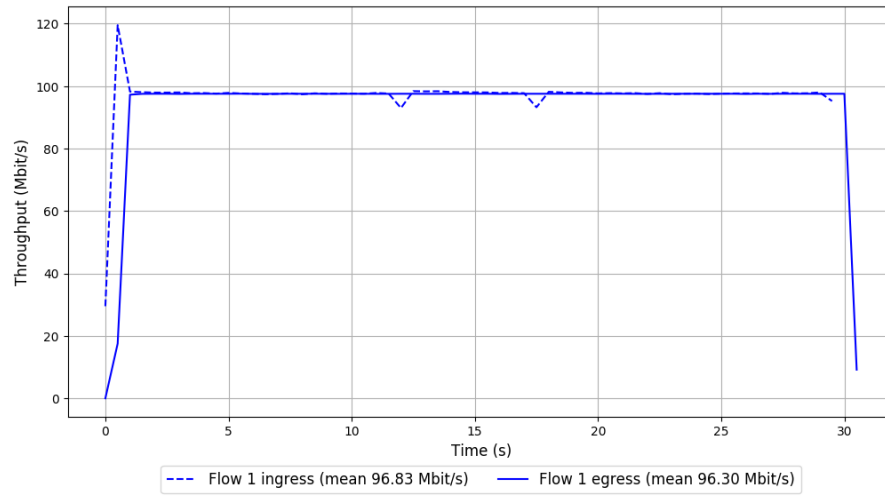
-- Flow 1:

Average throughput: 96.30 Mbit/s

95th percentile per-packet one-way delay: 66.090 ms

Loss rate: 0.46%

Run 2: Report of TCP Cubic — Data Link



Run 3: Statistics of TCP Cubic

Start at: 2019-08-26 18:47:32

End at: 2019-08-26 18:48:02

Local clock offset: -4.592 ms

Remote clock offset: 5.157 ms

Below is generated by plot.py at 2019-08-26 20:05:28

Datalink statistics

-- Total of 1 flow:

Average throughput: 96.28 Mbit/s

95th percentile per-packet one-way delay: 71.092 ms

Loss rate: 0.62%

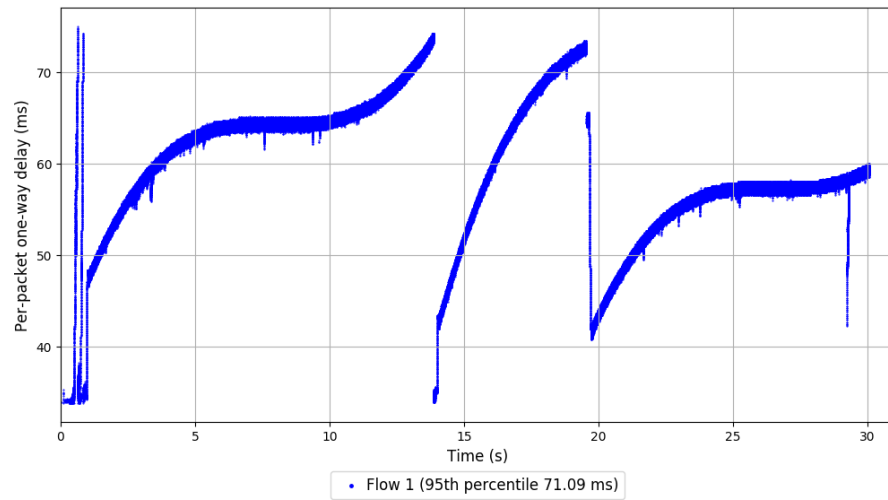
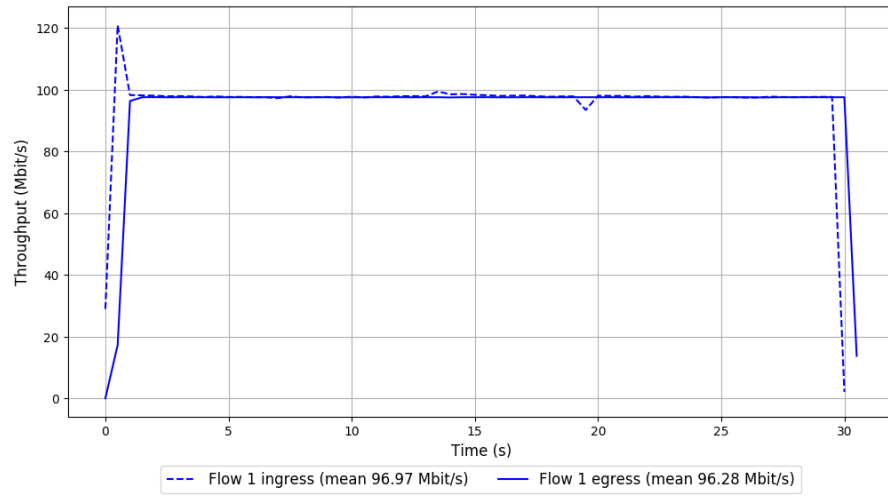
-- Flow 1:

Average throughput: 96.28 Mbit/s

95th percentile per-packet one-way delay: 71.092 ms

Loss rate: 0.62%

Run 3: Report of TCP Cubic — Data Link



Run 4: Statistics of TCP Cubic

Start at: 2019-08-26 19:17:00

End at: 2019-08-26 19:17:30

Local clock offset: -5.109 ms

Remote clock offset: 6.031 ms

Below is generated by plot.py at 2019-08-26 20:06:41

Datalink statistics

-- Total of 1 flow:

Average throughput: 96.29 Mbit/s

95th percentile per-packet one-way delay: 72.212 ms

Loss rate: 0.69%

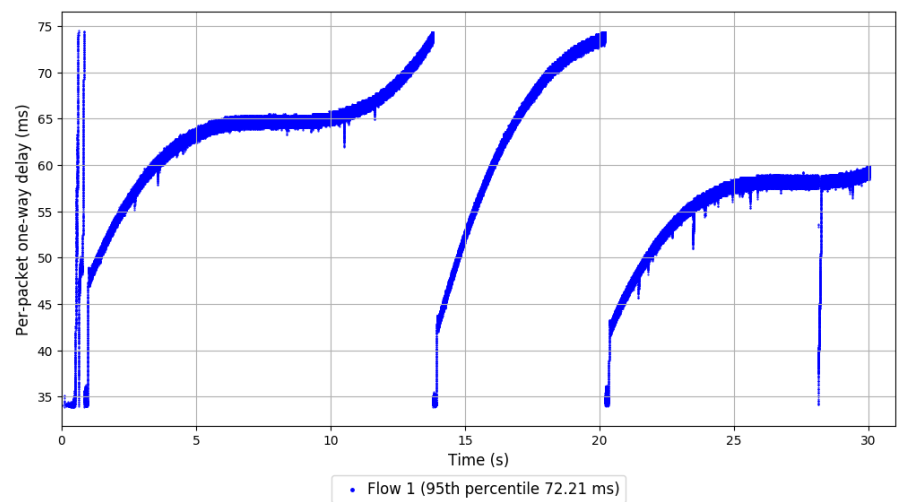
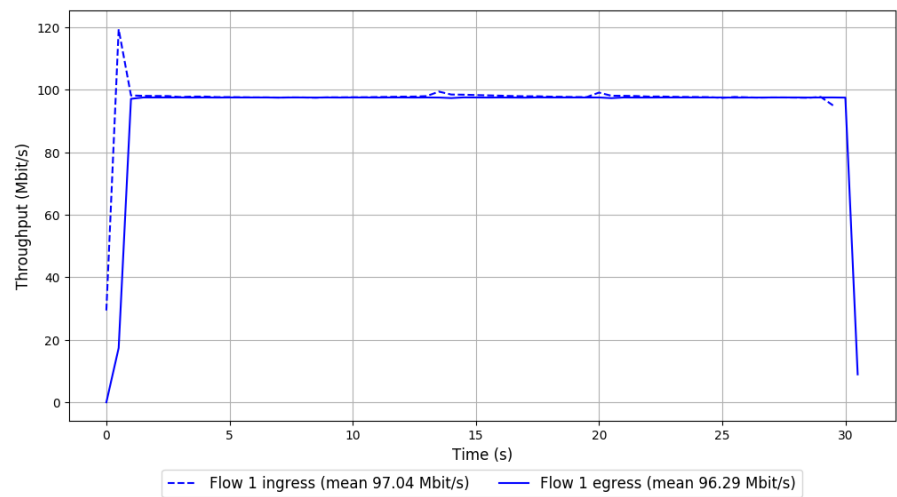
-- Flow 1:

Average throughput: 96.29 Mbit/s

95th percentile per-packet one-way delay: 72.212 ms

Loss rate: 0.69%

Run 4: Report of TCP Cubic — Data Link



Run 5: Statistics of TCP Cubic

Start at: 2019-08-26 19:46:06

End at: 2019-08-26 19:46:36

Local clock offset: -5.917 ms

Remote clock offset: 5.943 ms

Below is generated by plot.py at 2019-08-26 20:06:41

Datalink statistics

-- Total of 1 flow:

Average throughput: 95.37 Mbit/s

95th percentile per-packet one-way delay: 71.898 ms

Loss rate: 0.55%

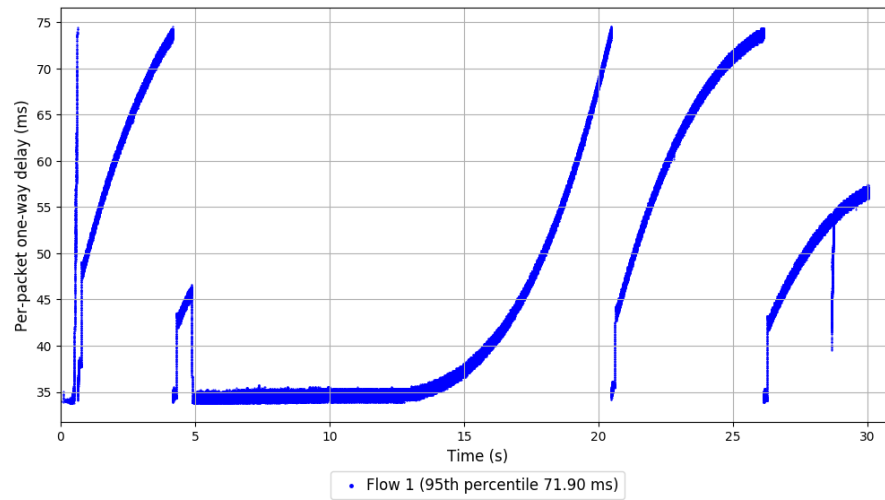
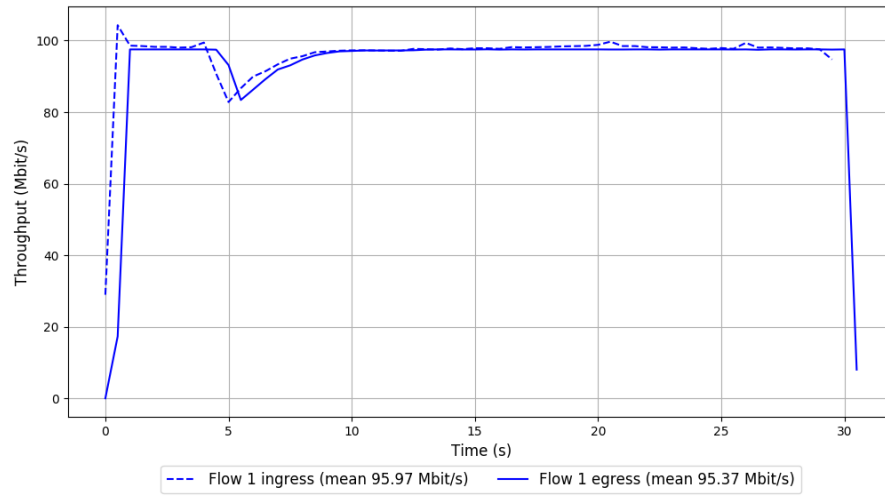
-- Flow 1:

Average throughput: 95.37 Mbit/s

95th percentile per-packet one-way delay: 71.898 ms

Loss rate: 0.55%

Run 5: Report of TCP Cubic — Data Link



Run 1: Statistics of FillP

Start at: 2019-08-26 18:02:26

End at: 2019-08-26 18:02:56

Local clock offset: -4.865 ms

Remote clock offset: 3.233 ms

Below is generated by plot.py at 2019-08-26 20:06:51

Datalink statistics

-- Total of 1 flow:

Average throughput: 95.66 Mbit/s

95th percentile per-packet one-way delay: 42.321 ms

Loss rate: 0.68%

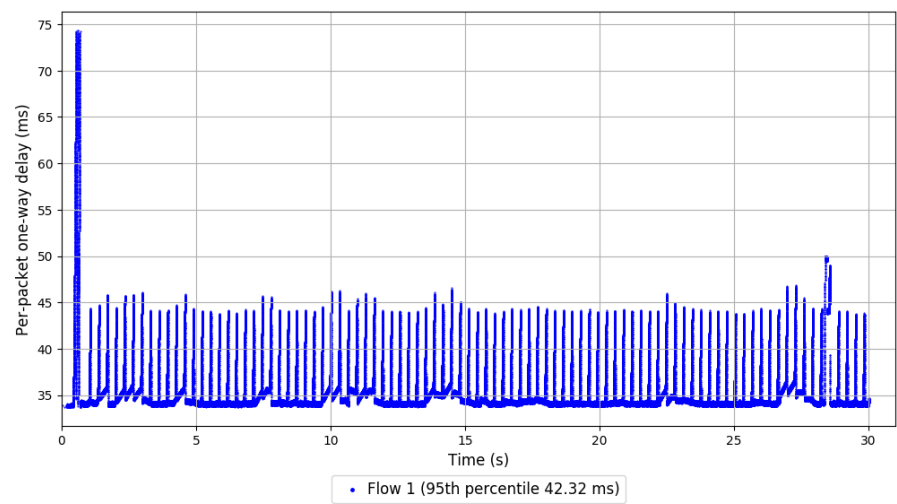
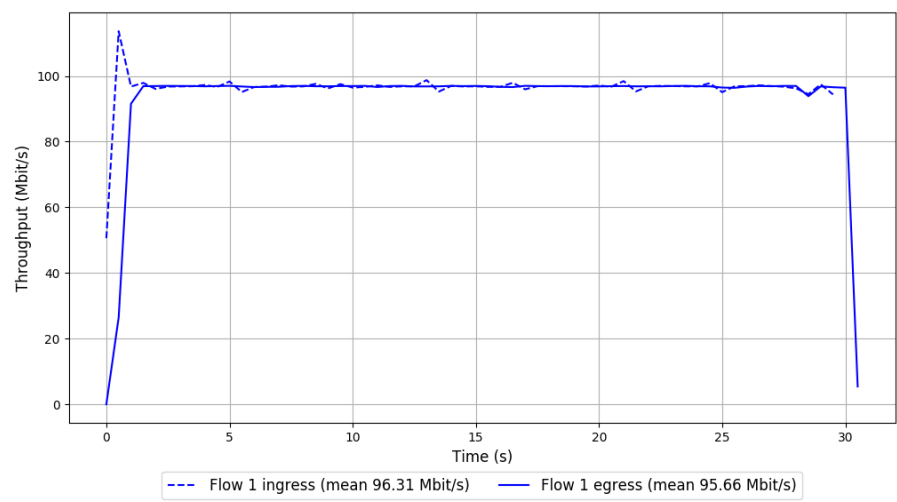
-- Flow 1:

Average throughput: 95.66 Mbit/s

95th percentile per-packet one-way delay: 42.321 ms

Loss rate: 0.68%

Run 1: Report of FillP — Data Link



Run 2: Statistics of FillP

Start at: 2019-08-26 18:31:25

End at: 2019-08-26 18:31:55

Local clock offset: -4.712 ms

Remote clock offset: 2.723 ms

Below is generated by plot.py at 2019-08-26 20:06:53

Datalink statistics

-- Total of 1 flow:

Average throughput: 95.66 Mbit/s

95th percentile per-packet one-way delay: 42.088 ms

Loss rate: 0.69%

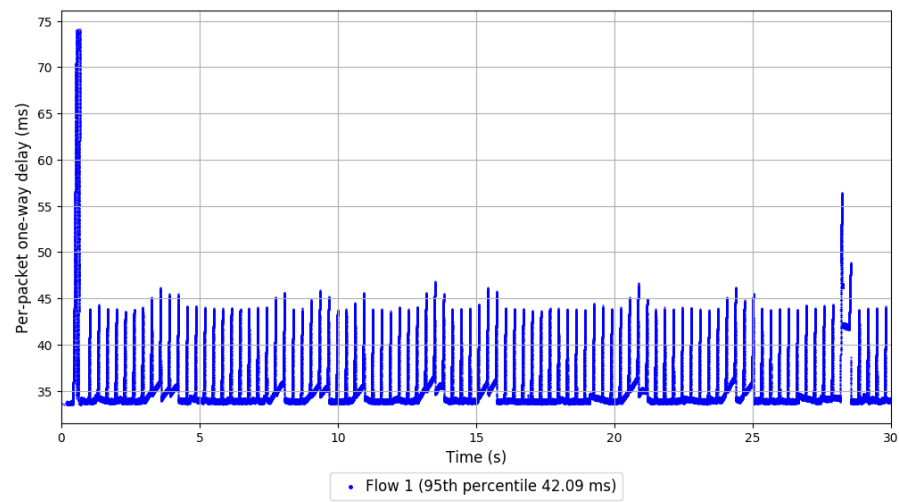
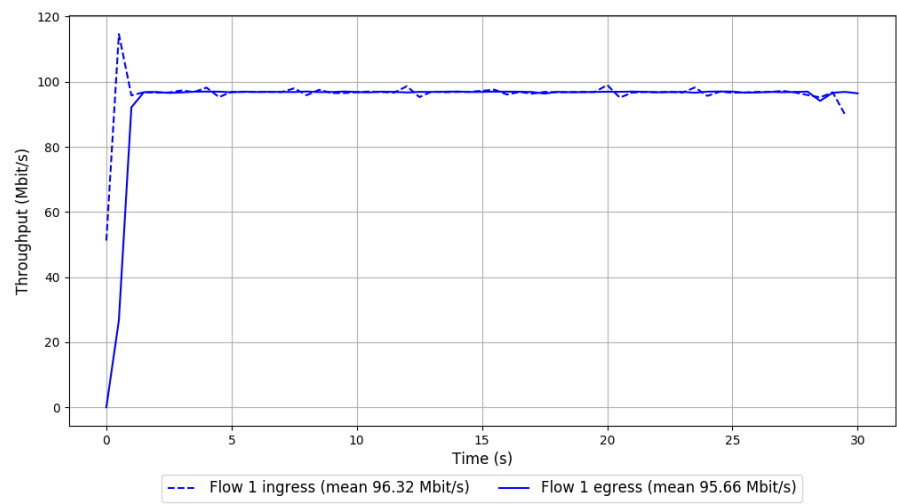
-- Flow 1:

Average throughput: 95.66 Mbit/s

95th percentile per-packet one-way delay: 42.088 ms

Loss rate: 0.69%

Run 2: Report of FillP — Data Link



Run 3: Statistics of FillP

Start at: 2019-08-26 19:01:13

End at: 2019-08-26 19:01:43

Local clock offset: -4.645 ms

Remote clock offset: 5.776 ms

Below is generated by plot.py at 2019-08-26 20:06:53

Datalink statistics

-- Total of 1 flow:

Average throughput: 95.69 Mbit/s

95th percentile per-packet one-way delay: 42.494 ms

Loss rate: 0.67%

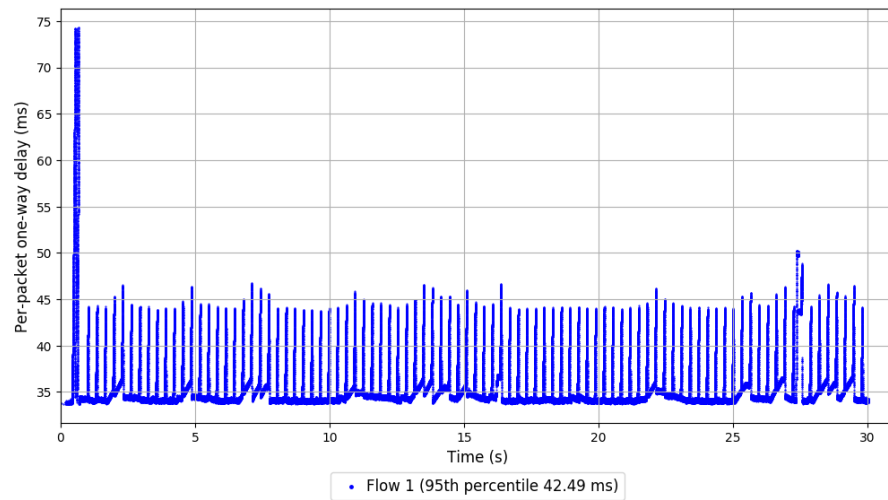
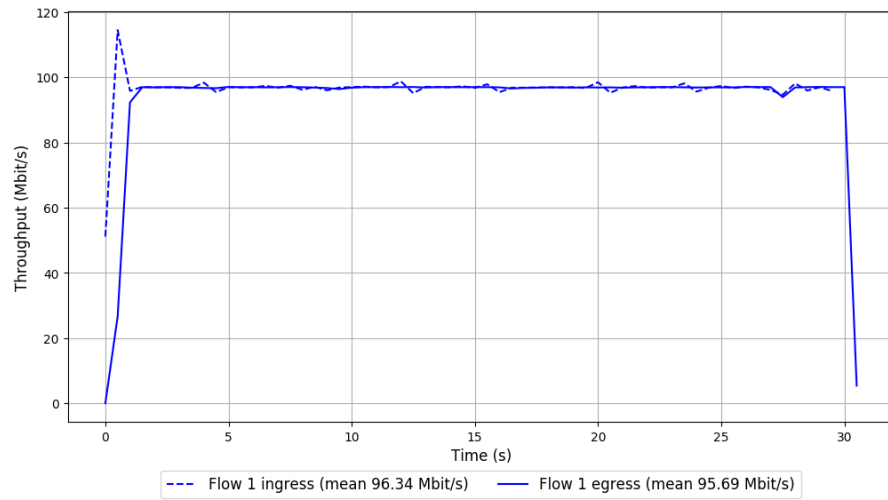
-- Flow 1:

Average throughput: 95.69 Mbit/s

95th percentile per-packet one-way delay: 42.494 ms

Loss rate: 0.67%

Run 3: Report of FillP — Data Link



Run 4: Statistics of FillP

Start at: 2019-08-26 19:30:30

End at: 2019-08-26 19:31:00

Local clock offset: -5.441 ms

Remote clock offset: 6.333 ms

Below is generated by plot.py at 2019-08-26 20:06:54

Datalink statistics

-- Total of 1 flow:

Average throughput: 95.60 Mbit/s

95th percentile per-packet one-way delay: 42.995 ms

Loss rate: 0.69%

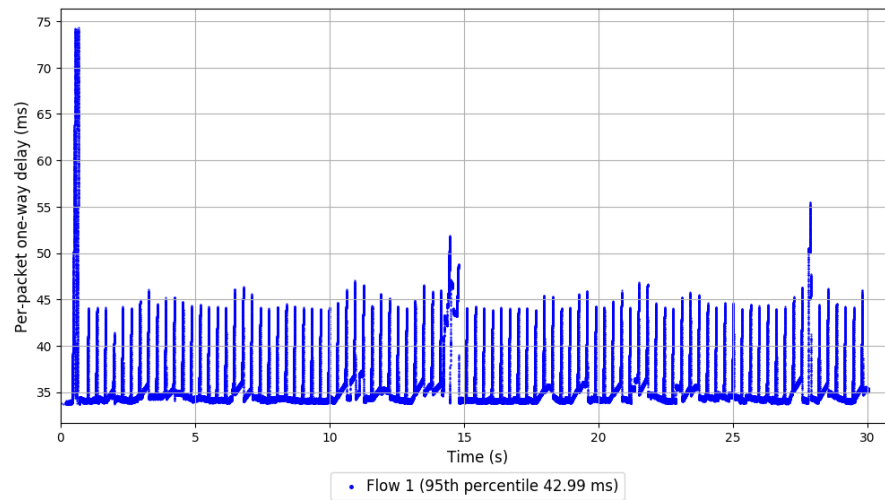
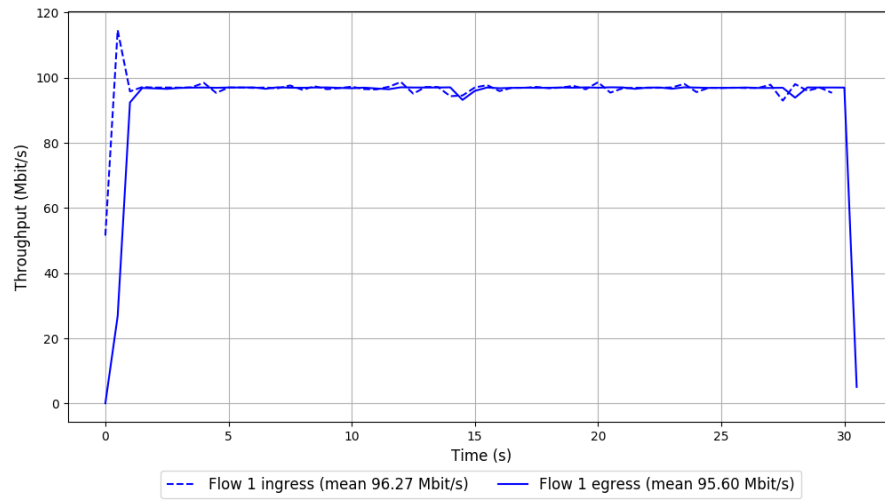
-- Flow 1:

Average throughput: 95.60 Mbit/s

95th percentile per-packet one-way delay: 42.995 ms

Loss rate: 0.69%

Run 4: Report of FillP — Data Link



Run 5: Statistics of FillP

Start at: 2019-08-26 19:59:16

End at: 2019-08-26 19:59:46

Local clock offset: -6.326 ms

Remote clock offset: 5.458 ms

Below is generated by plot.py at 2019-08-26 20:06:55

Datalink statistics

-- Total of 1 flow:

Average throughput: 95.71 Mbit/s

95th percentile per-packet one-way delay: 42.433 ms

Loss rate: 0.67%

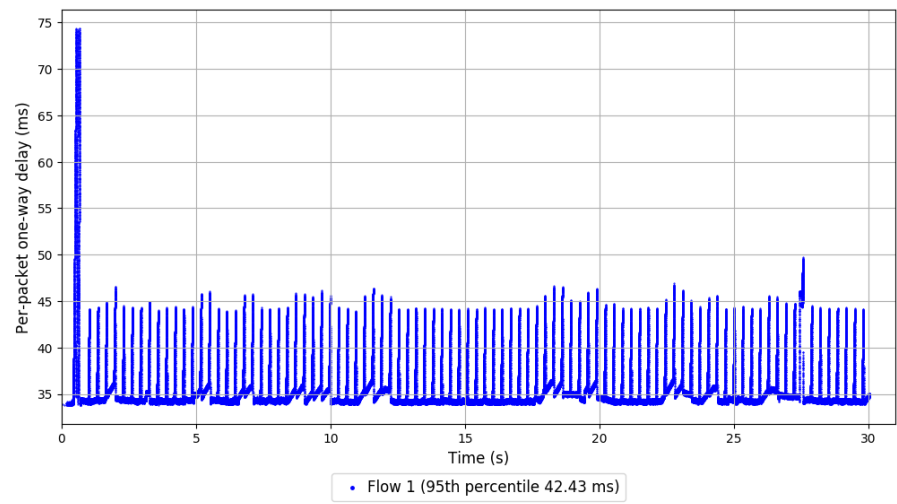
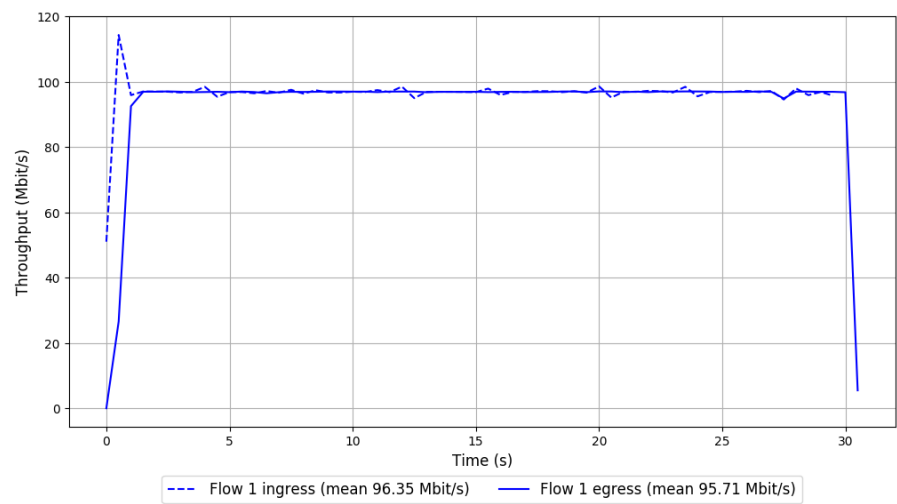
-- Flow 1:

Average throughput: 95.71 Mbit/s

95th percentile per-packet one-way delay: 42.433 ms

Loss rate: 0.67%

Run 5: Report of FillP — Data Link



Run 1: Statistics of FillP-Sheep

Start at: 2019-08-26 17:49:47

End at: 2019-08-26 17:50:17

Local clock offset: -4.323 ms

Remote clock offset: 3.874 ms

Below is generated by plot.py at 2019-08-26 20:06:55

Datalink statistics

-- Total of 1 flow:

Average throughput: 92.40 Mbit/s

95th percentile per-packet one-way delay: 40.085 ms

Loss rate: 0.60%

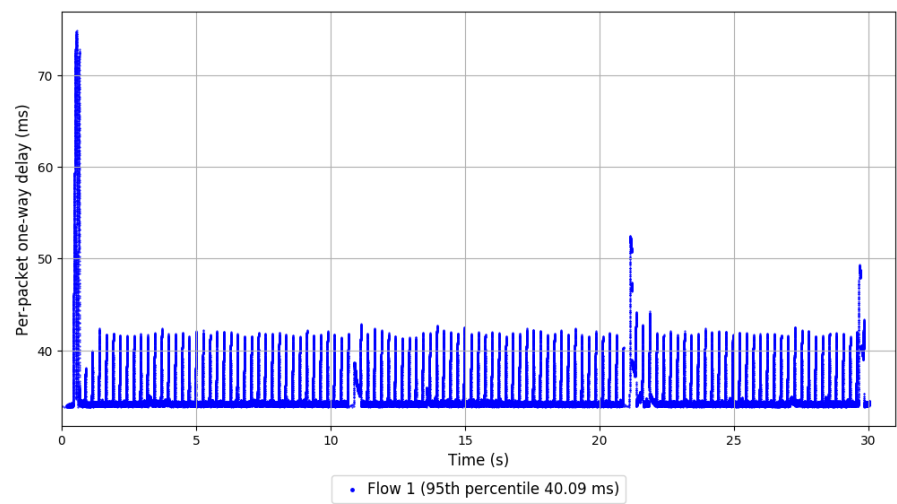
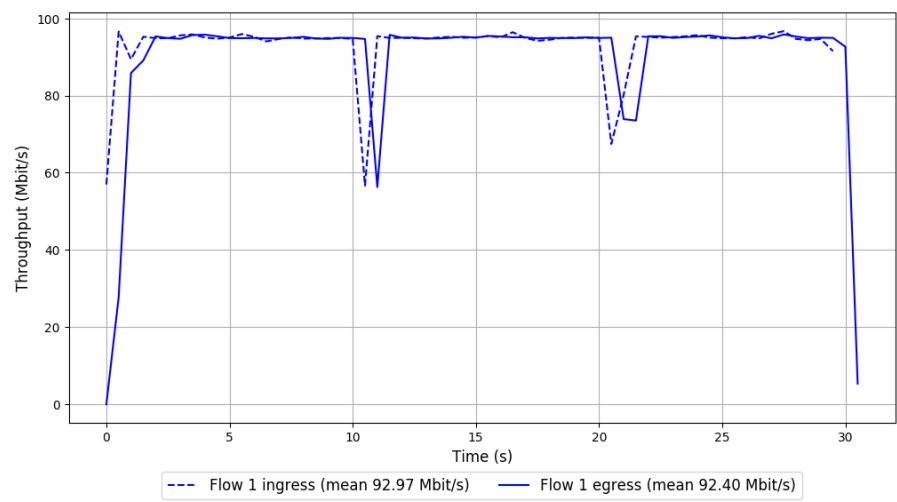
-- Flow 1:

Average throughput: 92.40 Mbit/s

95th percentile per-packet one-way delay: 40.085 ms

Loss rate: 0.60%

Run 1: Report of FillP-Sheep — Data Link

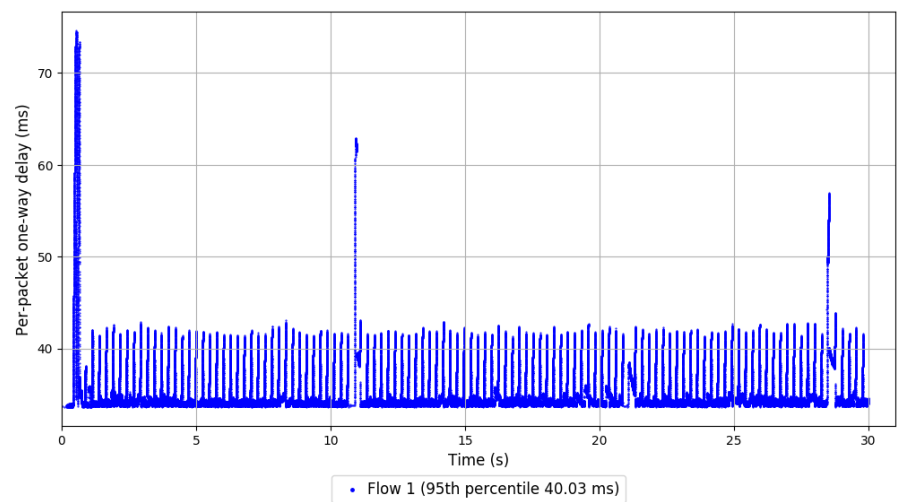
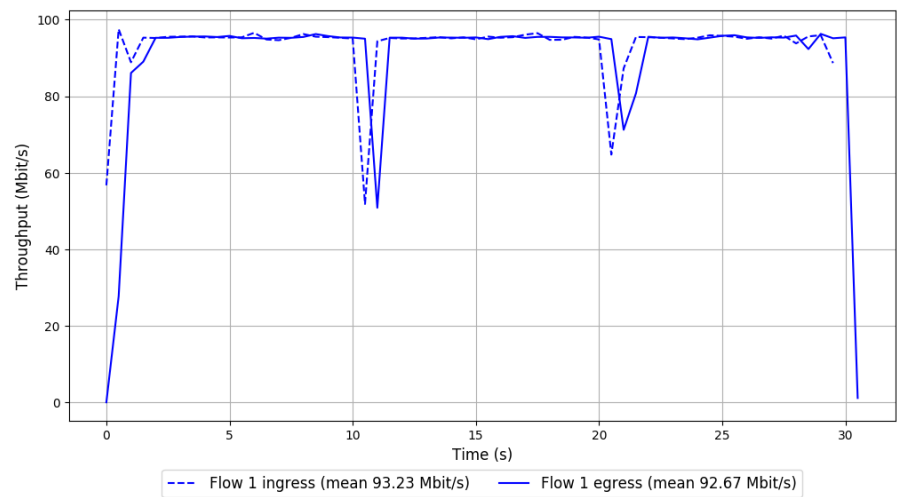


Run 2: Statistics of FillP-Sheep

Start at: 2019-08-26 18:19:01
End at: 2019-08-26 18:19:31
Local clock offset: -4.805 ms
Remote clock offset: 2.867 ms

Below is generated by plot.py at 2019-08-26 20:08:03
Datalink statistics
-- Total of 1 flow:
Average throughput: 92.67 Mbit/s
95th percentile per-packet one-way delay: 40.026 ms
Loss rate: 0.60%
-- Flow 1:
Average throughput: 92.67 Mbit/s
95th percentile per-packet one-way delay: 40.026 ms
Loss rate: 0.60%

Run 2: Report of FillP-Sheep — Data Link



Run 3: Statistics of FillP-Sheep

Start at: 2019-08-26 18:48:47

End at: 2019-08-26 18:49:17

Local clock offset: -4.616 ms

Remote clock offset: 5.196 ms

Below is generated by plot.py at 2019-08-26 20:08:04

Datalink statistics

-- Total of 1 flow:

Average throughput: 93.02 Mbit/s

95th percentile per-packet one-way delay: 39.878 ms

Loss rate: 0.59%

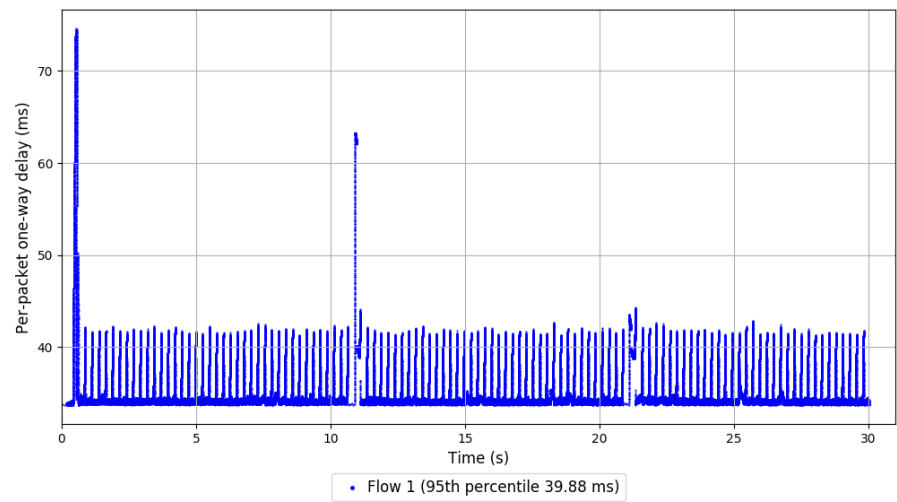
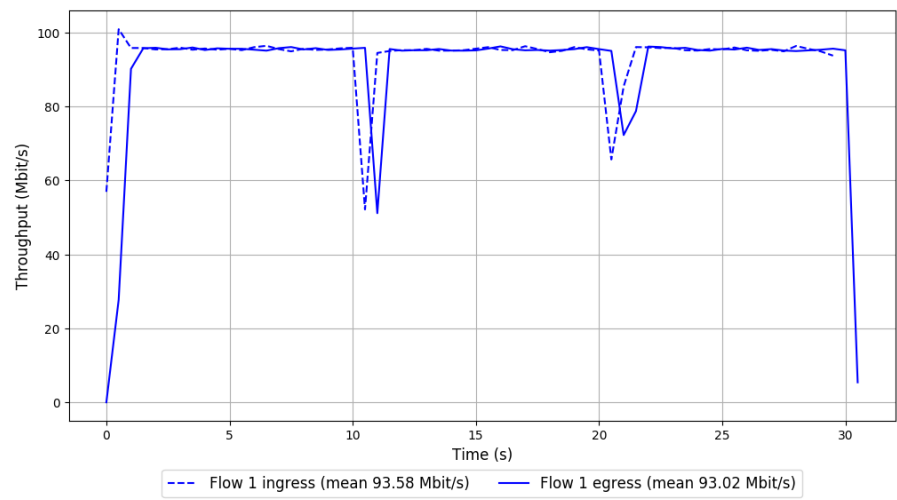
-- Flow 1:

Average throughput: 93.02 Mbit/s

95th percentile per-packet one-way delay: 39.878 ms

Loss rate: 0.59%

Run 3: Report of FillP-Sheep — Data Link



Run 4: Statistics of FillP-Sheep

Start at: 2019-08-26 19:18:13

End at: 2019-08-26 19:18:43

Local clock offset: -5.138 ms

Remote clock offset: 5.859 ms

Below is generated by plot.py at 2019-08-26 20:08:16

Datalink statistics

-- Total of 1 flow:

Average throughput: 92.85 Mbit/s

95th percentile per-packet one-way delay: 39.799 ms

Loss rate: 0.60%

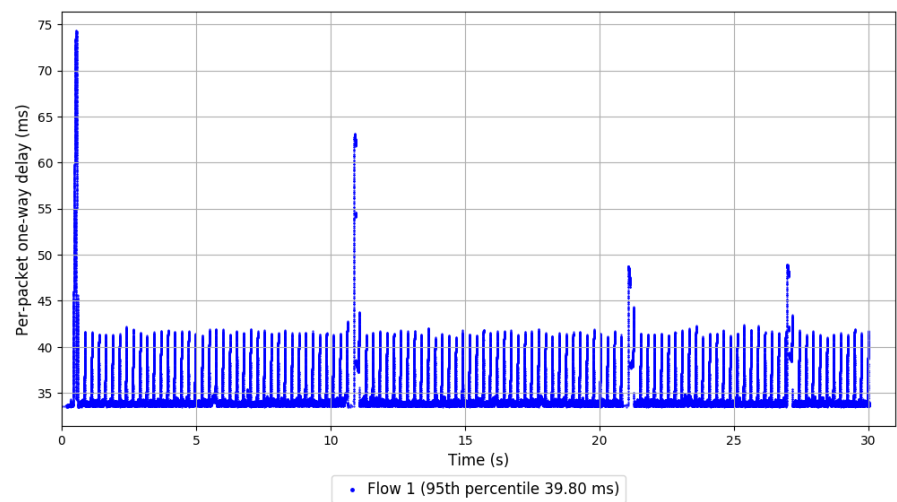
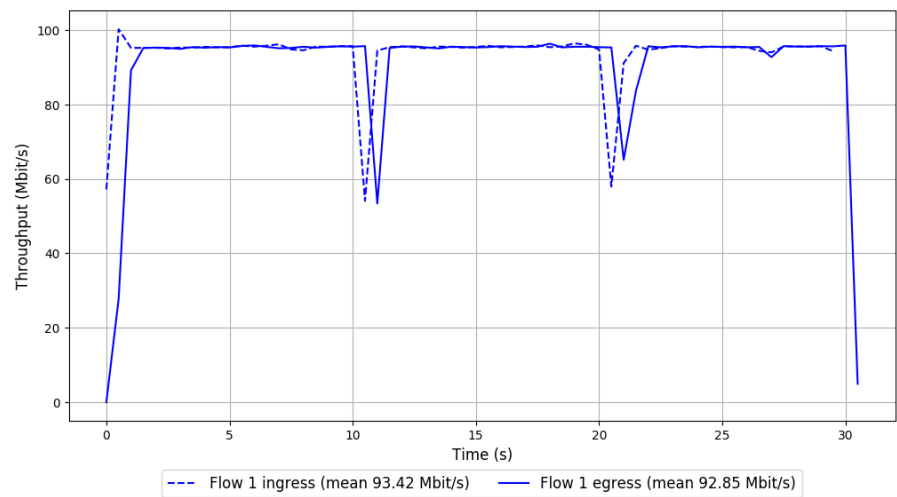
-- Flow 1:

Average throughput: 92.85 Mbit/s

95th percentile per-packet one-way delay: 39.799 ms

Loss rate: 0.60%

Run 4: Report of FillP-Sheep — Data Link



Run 5: Statistics of FillP-Sheep

Start at: 2019-08-26 19:47:22

End at: 2019-08-26 19:47:52

Local clock offset: -5.938 ms

Remote clock offset: 5.837 ms

Below is generated by plot.py at 2019-08-26 20:08:18

Datalink statistics

-- Total of 1 flow:

Average throughput: 92.57 Mbit/s

95th percentile per-packet one-way delay: 39.830 ms

Loss rate: 0.61%

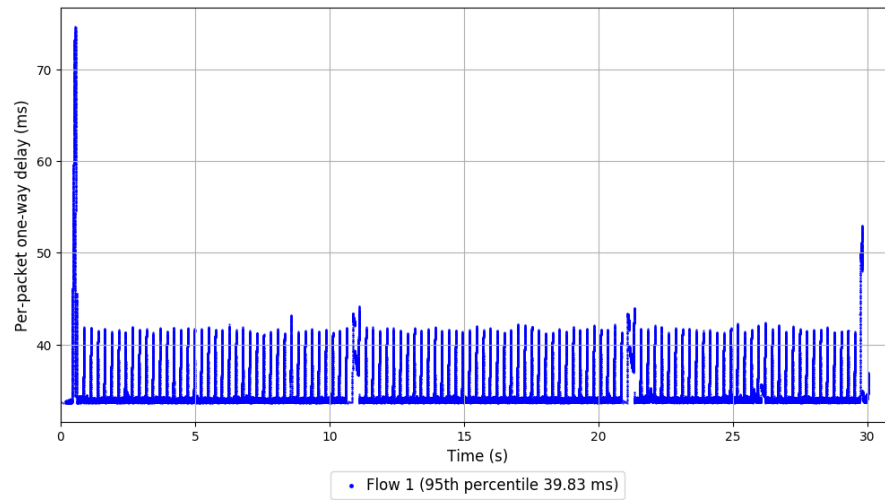
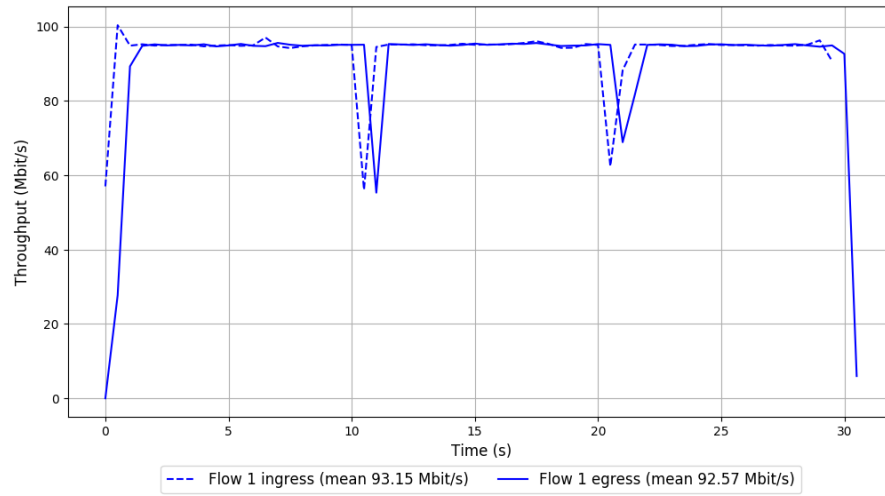
-- Flow 1:

Average throughput: 92.57 Mbit/s

95th percentile per-packet one-way delay: 39.830 ms

Loss rate: 0.61%

Run 5: Report of FillP-Sheep — Data Link

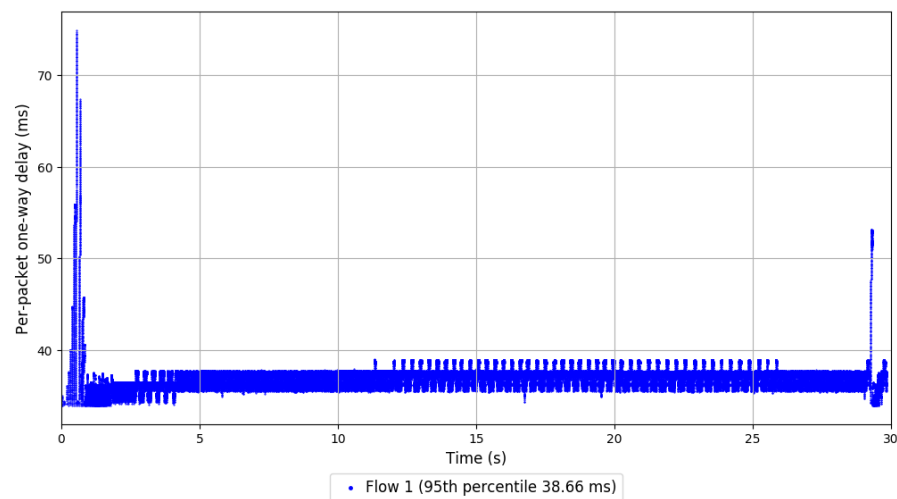
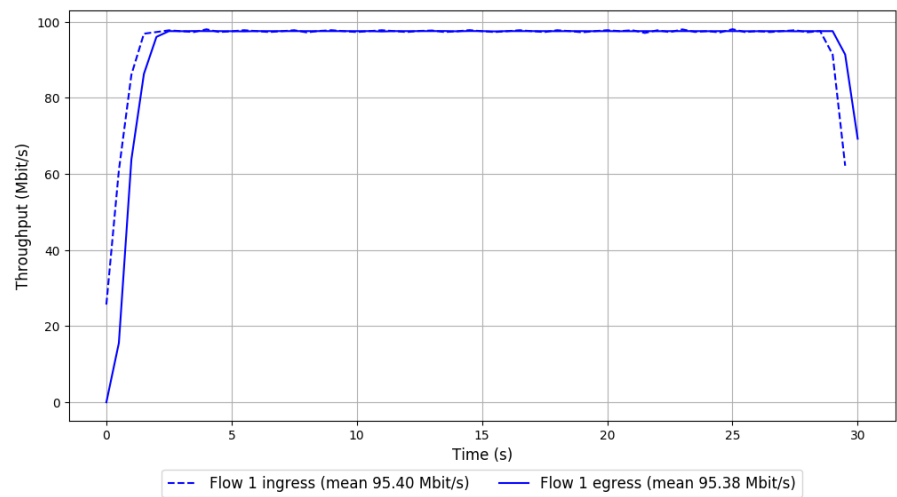


```
Run 1: Statistics of Indigo

Start at: 2019-08-26 17:45:57
End at: 2019-08-26 17:46:27
Local clock offset: -3.963 ms
Remote clock offset: 4.191 ms

# Below is generated by plot.py at 2019-08-26 20:08:18
# Datalink statistics
-- Total of 1 flow:
Average throughput: 95.38 Mbit/s
95th percentile per-packet one-way delay: 38.655 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 95.38 Mbit/s
95th percentile per-packet one-way delay: 38.655 ms
Loss rate: 0.01%
```

Run 1: Report of Indigo — Data Link



Run 2: Statistics of Indigo

Start at: 2019-08-26 18:15:16

End at: 2019-08-26 18:15:46

Local clock offset: -4.95 ms

Remote clock offset: 2.873 ms

Below is generated by plot.py at 2019-08-26 20:08:18

Datalink statistics

-- Total of 1 flow:

Average throughput: 95.15 Mbit/s

95th percentile per-packet one-way delay: 37.841 ms

Loss rate: 0.00%

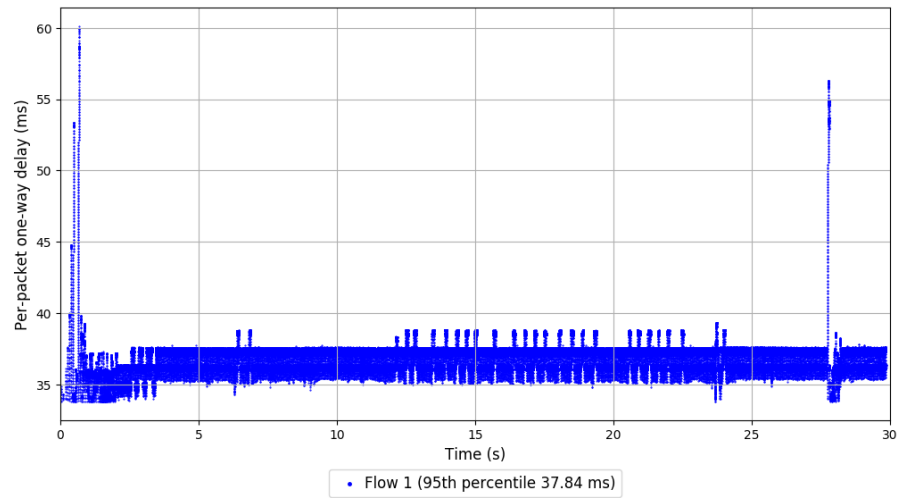
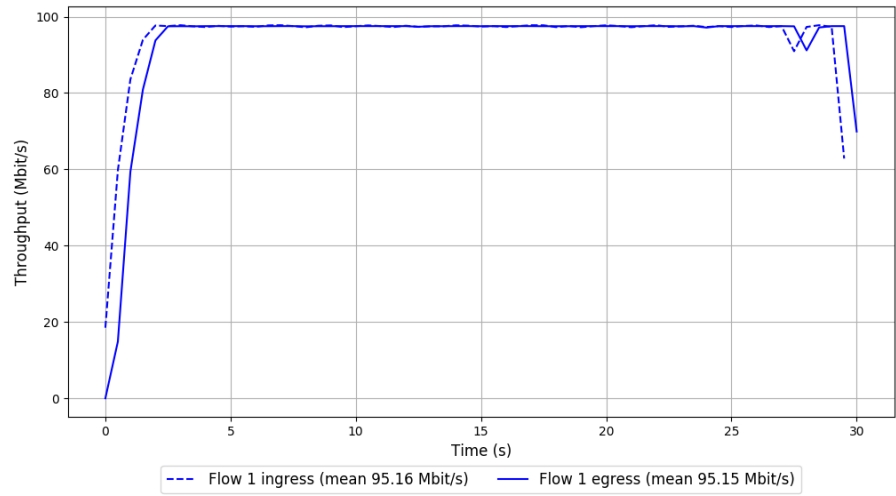
-- Flow 1:

Average throughput: 95.15 Mbit/s

95th percentile per-packet one-way delay: 37.841 ms

Loss rate: 0.00%

Run 2: Report of Indigo — Data Link



Run 3: Statistics of Indigo

Start at: 2019-08-26 18:45:08

End at: 2019-08-26 18:45:38

Local clock offset: -4.642 ms

Remote clock offset: 4.944 ms

Below is generated by plot.py at 2019-08-26 20:08:18

Datalink statistics

-- Total of 1 flow:

Average throughput: 94.95 Mbit/s

95th percentile per-packet one-way delay: 37.543 ms

Loss rate: 0.09%

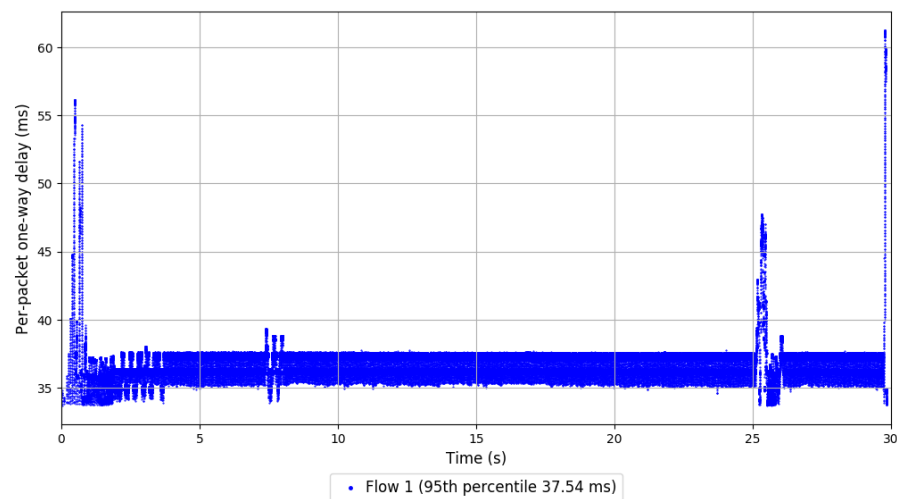
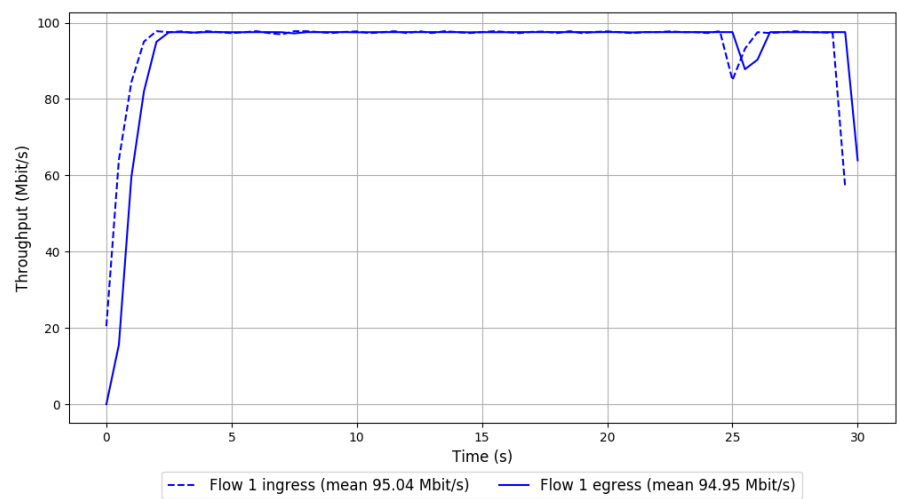
-- Flow 1:

Average throughput: 94.95 Mbit/s

95th percentile per-packet one-way delay: 37.543 ms

Loss rate: 0.09%

Run 3: Report of Indigo — Data Link



Run 4: Statistics of Indigo

Start at: 2019-08-26 19:14:37

End at: 2019-08-26 19:15:07

Local clock offset: -5.042 ms

Remote clock offset: 5.888 ms

Below is generated by plot.py at 2019-08-26 20:08:18

Datalink statistics

-- Total of 1 flow:

Average throughput: 95.37 Mbit/s

95th percentile per-packet one-way delay: 37.479 ms

Loss rate: 0.00%

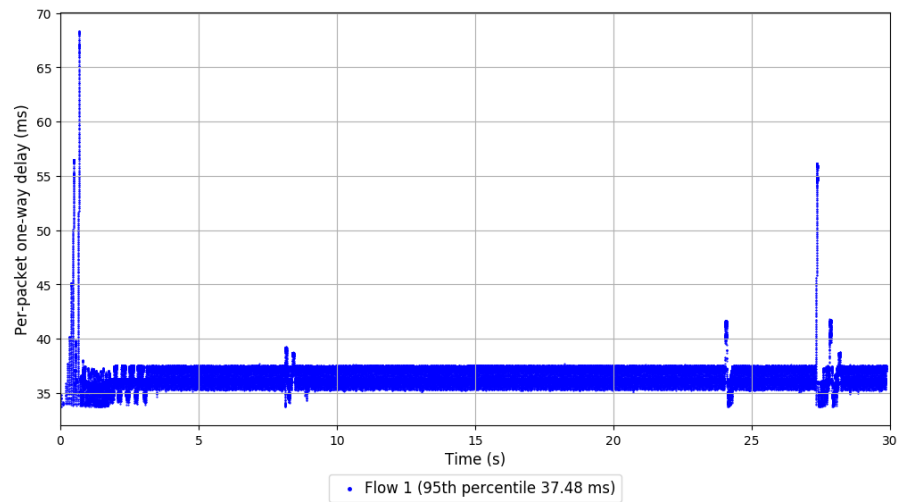
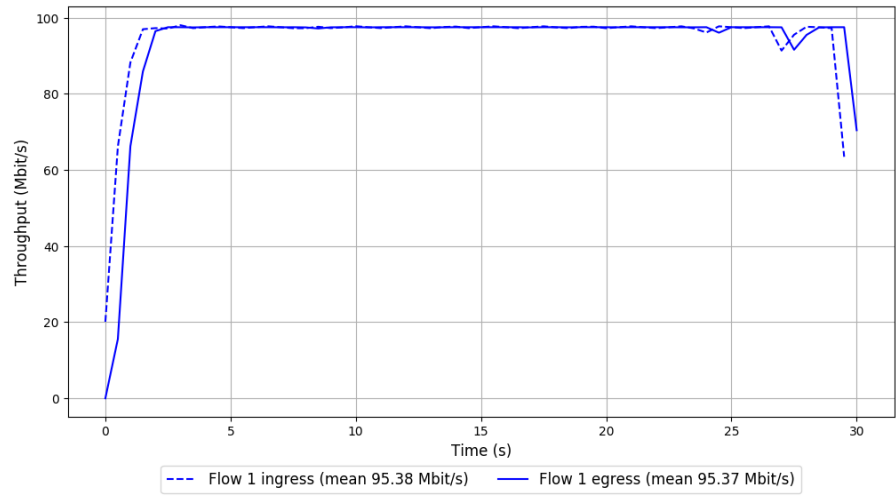
-- Flow 1:

Average throughput: 95.37 Mbit/s

95th percentile per-packet one-way delay: 37.479 ms

Loss rate: 0.00%

Run 4: Report of Indigo — Data Link



Run 5: Statistics of Indigo

Start at: 2019-08-26 19:43:31

End at: 2019-08-26 19:44:02

Local clock offset: -5.788 ms

Remote clock offset: 6.352 ms

Below is generated by plot.py at 2019-08-26 20:09:16

Datalink statistics

-- Total of 1 flow:

Average throughput: 95.16 Mbit/s

95th percentile per-packet one-way delay: 37.558 ms

Loss rate: 0.00%

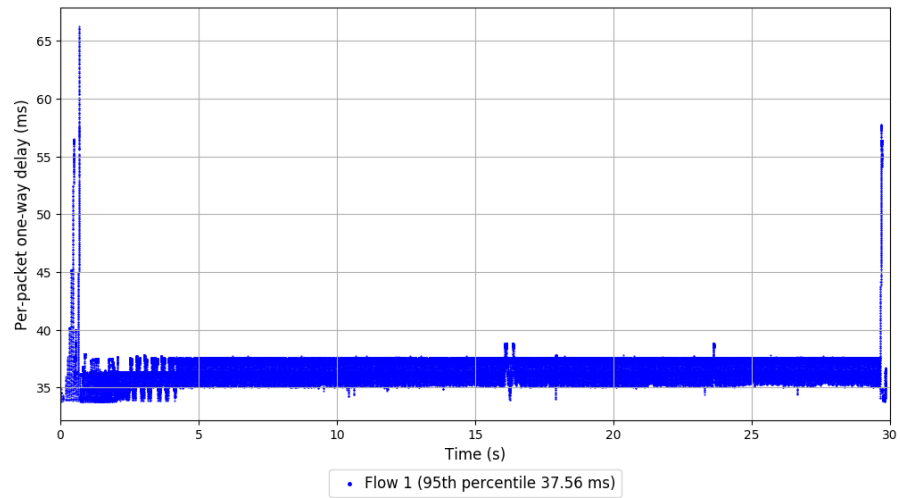
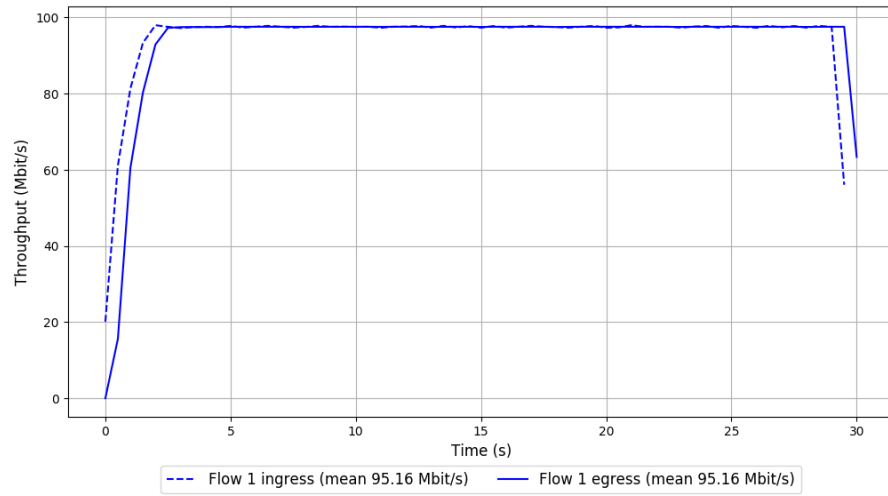
-- Flow 1:

Average throughput: 95.16 Mbit/s

95th percentile per-packet one-way delay: 37.558 ms

Loss rate: 0.00%

Run 5: Report of Indigo — Data Link



Run 1: Statistics of Indigo-MusesC3

Start at: 2019-08-26 17:47:10

End at: 2019-08-26 17:47:40

Local clock offset: -4.064 ms

Remote clock offset: 4.095 ms

Below is generated by plot.py at 2019-08-26 20:09:17

Datalink statistics

-- Total of 1 flow:

Average throughput: 96.40 Mbit/s

95th percentile per-packet one-way delay: 41.436 ms

Loss rate: 0.00%

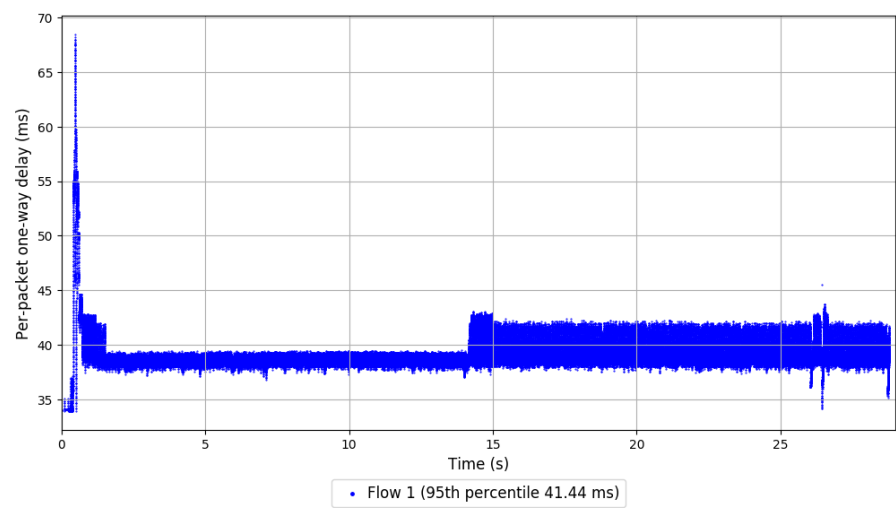
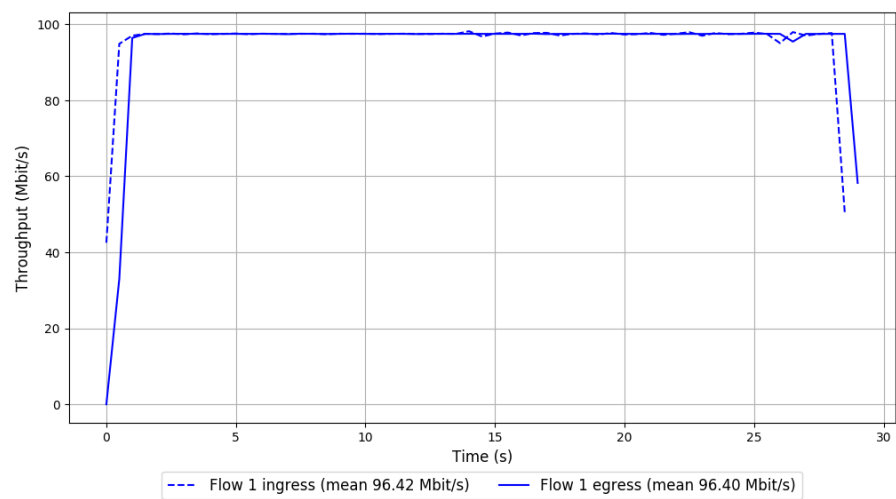
-- Flow 1:

Average throughput: 96.40 Mbit/s

95th percentile per-packet one-way delay: 41.436 ms

Loss rate: 0.00%

Run 1: Report of Indigo-MusesC3 — Data Link



Run 2: Statistics of Indigo-MusesC3

Start at: 2019-08-26 18:16:32

End at: 2019-08-26 18:17:02

Local clock offset: -4.872 ms

Remote clock offset: 2.898 ms

Below is generated by plot.py at 2019-08-26 20:09:18

Datalink statistics

-- Total of 1 flow:

Average throughput: 96.42 Mbit/s

95th percentile per-packet one-way delay: 41.277 ms

Loss rate: 0.00%

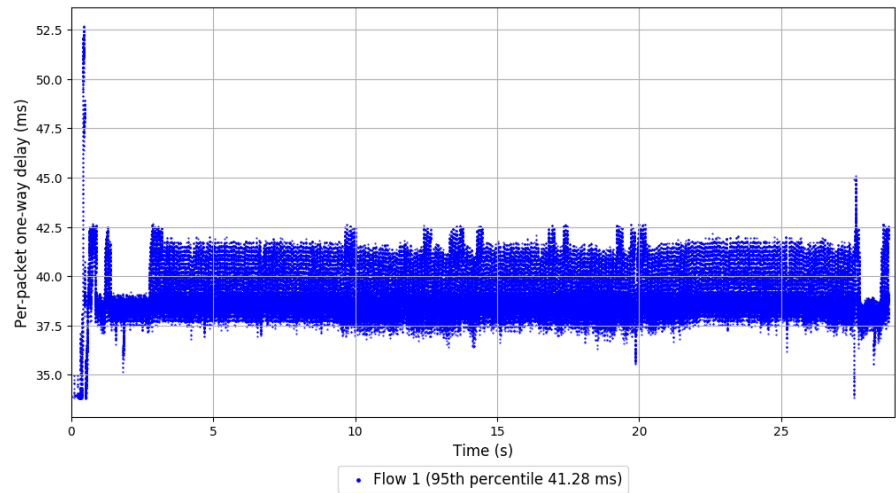
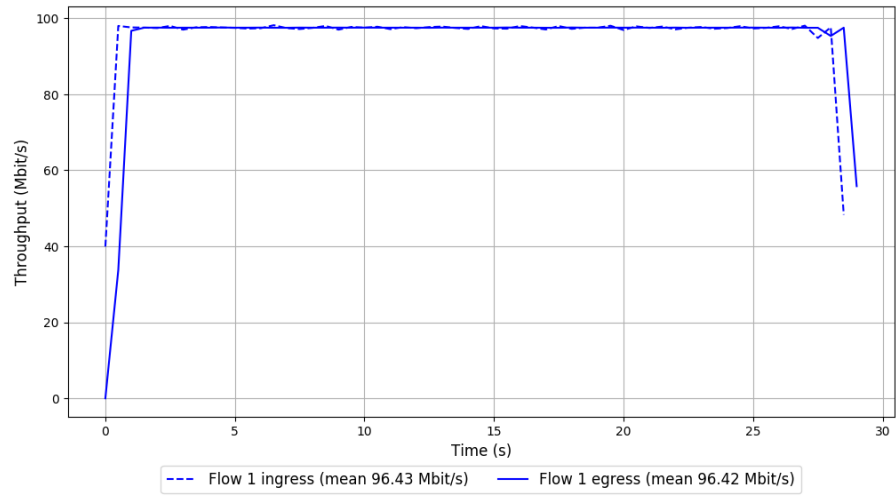
-- Flow 1:

Average throughput: 96.42 Mbit/s

95th percentile per-packet one-way delay: 41.277 ms

Loss rate: 0.00%

Run 2: Report of Indigo-MusesC3 — Data Link



Run 3: Statistics of Indigo-MusesC3

Start at: 2019-08-26 18:46:21

End at: 2019-08-26 18:46:51

Local clock offset: -4.627 ms

Remote clock offset: 5.113 ms

Below is generated by plot.py at 2019-08-26 20:09:20

Datalink statistics

-- Total of 1 flow:

Average throughput: 96.28 Mbit/s

95th percentile per-packet one-way delay: 41.544 ms

Loss rate: 0.00%

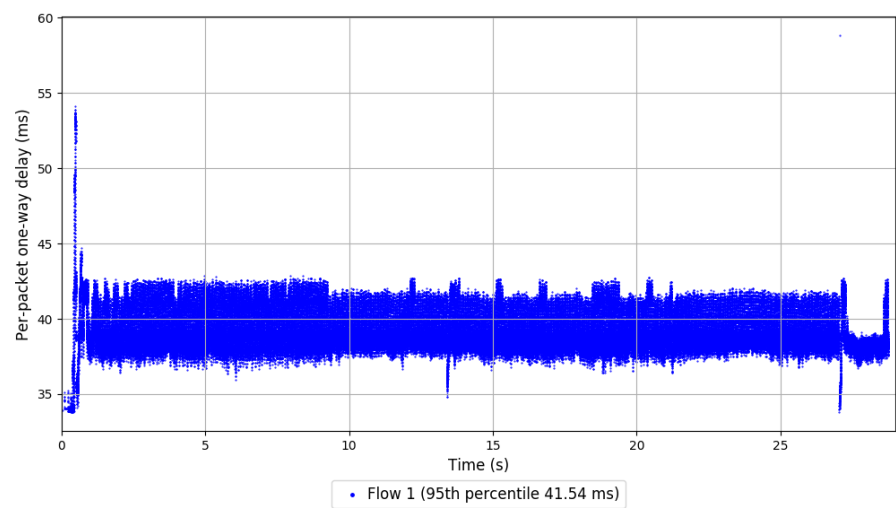
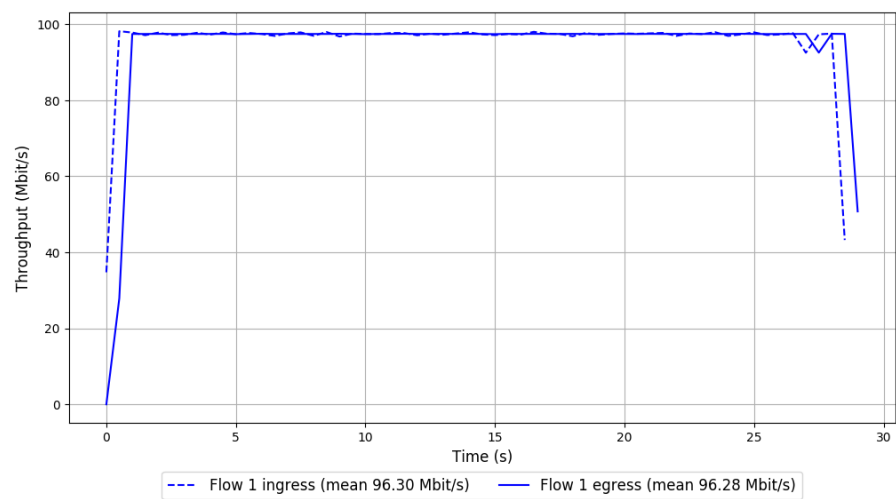
-- Flow 1:

Average throughput: 96.28 Mbit/s

95th percentile per-packet one-way delay: 41.544 ms

Loss rate: 0.00%

Run 3: Report of Indigo-MusesC3 — Data Link



Run 4: Statistics of Indigo-MusesC3

Start at: 2019-08-26 19:15:49

End at: 2019-08-26 19:16:19

Local clock offset: -5.082 ms

Remote clock offset: 6.007 ms

Below is generated by plot.py at 2019-08-26 20:09:20

Datalink statistics

-- Total of 1 flow:

Average throughput: 96.45 Mbit/s

95th percentile per-packet one-way delay: 41.335 ms

Loss rate: 0.00%

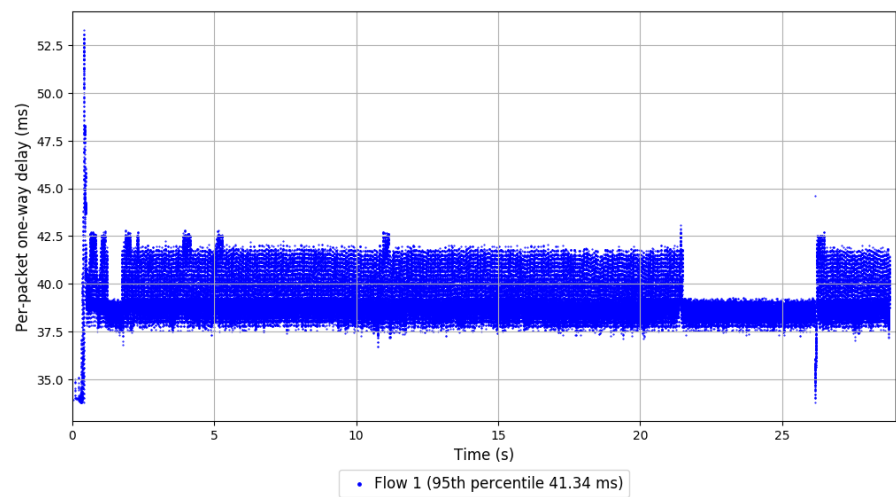
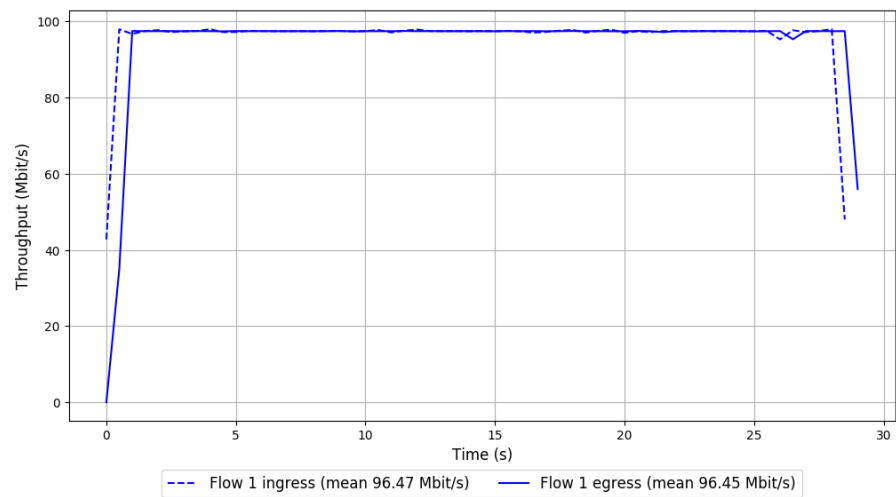
-- Flow 1:

Average throughput: 96.45 Mbit/s

95th percentile per-packet one-way delay: 41.335 ms

Loss rate: 0.00%

Run 4: Report of Indigo-MusesC3 — Data Link



Run 5: Statistics of Indigo-MusesC3

Start at: 2019-08-26 19:44:47

End at: 2019-08-26 19:45:17

Local clock offset: -5.815 ms

Remote clock offset: 6.193 ms

Below is generated by plot.py at 2019-08-26 20:09:22

Datalink statistics

-- Total of 1 flow:

Average throughput: 96.30 Mbit/s

95th percentile per-packet one-way delay: 41.464 ms

Loss rate: 0.04%

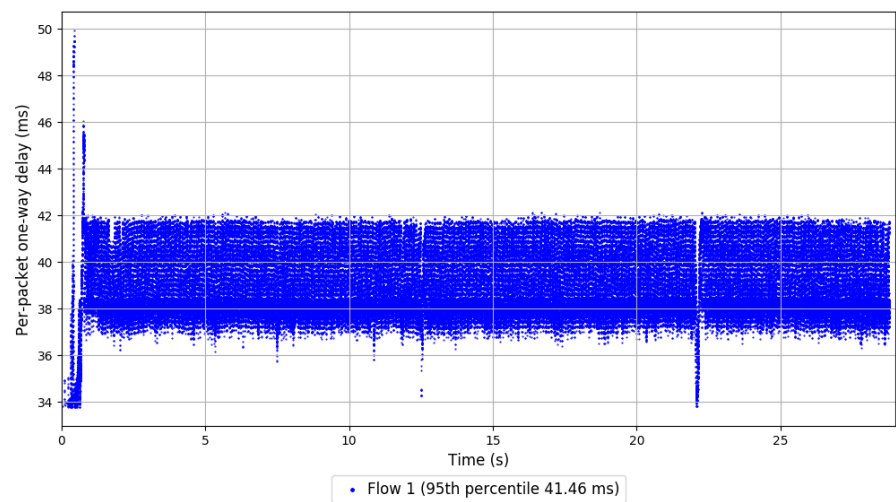
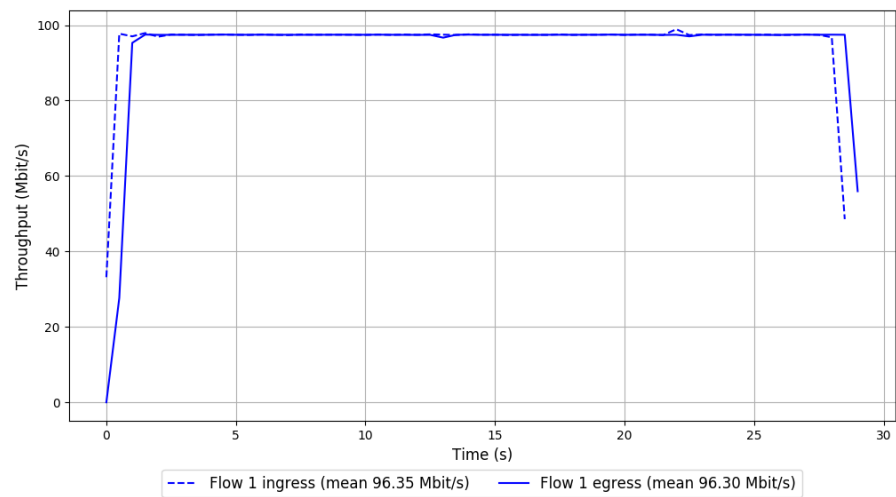
-- Flow 1:

Average throughput: 96.30 Mbit/s

95th percentile per-packet one-way delay: 41.464 ms

Loss rate: 0.04%

Run 5: Report of Indigo-MusesC3 — Data Link



Run 1: Statistics of Indigo-MusesC5

Start at: 2019-08-26 17:41:16

End at: 2019-08-26 17:41:46

Local clock offset: -3.611 ms

Remote clock offset: 4.417 ms

Below is generated by plot.py at 2019-08-26 20:09:29

Datalink statistics

-- Total of 1 flow:

Average throughput: 95.99 Mbit/s

95th percentile per-packet one-way delay: 39.223 ms

Loss rate: 0.00%

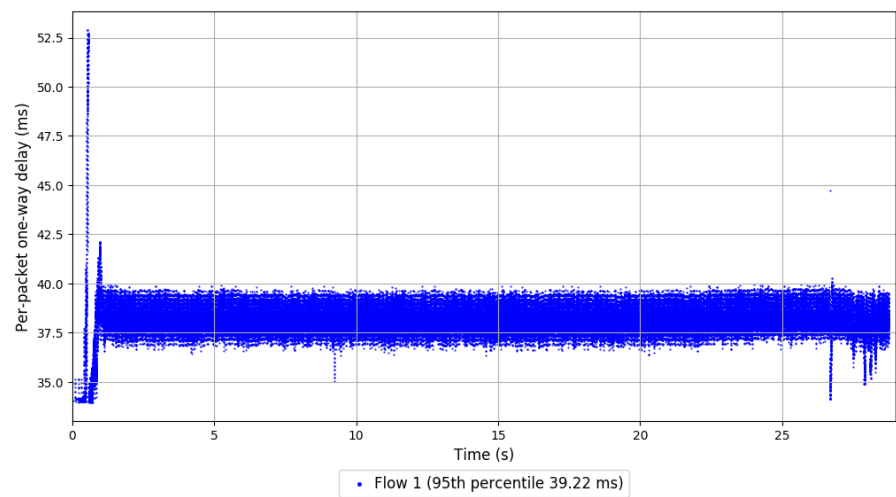
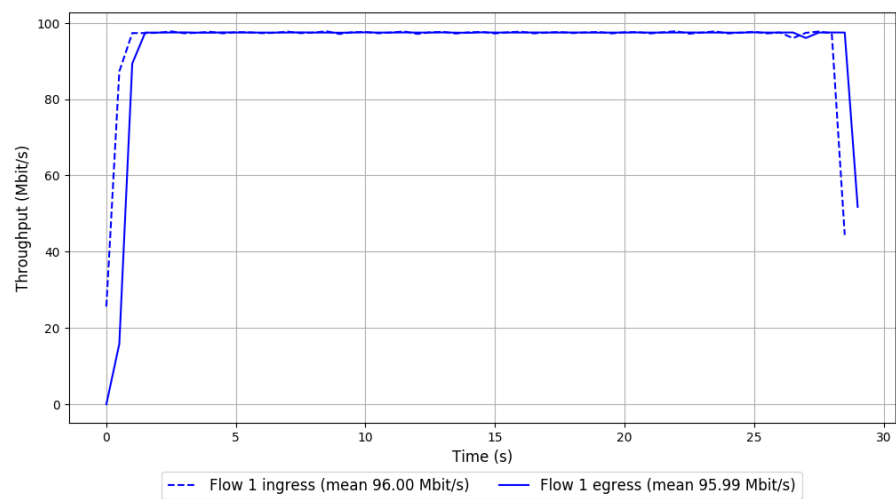
-- Flow 1:

Average throughput: 95.99 Mbit/s

95th percentile per-packet one-way delay: 39.223 ms

Loss rate: 0.00%

Run 1: Report of Indigo-MusesC5 — Data Link



Run 2: Statistics of Indigo-MusesC5

Start at: 2019-08-26 18:10:29

End at: 2019-08-26 18:10:59

Local clock offset: -4.955 ms

Remote clock offset: 2.948 ms

Below is generated by plot.py at 2019-08-26 20:09:31

Datalink statistics

-- Total of 1 flow:

Average throughput: 95.93 Mbit/s

95th percentile per-packet one-way delay: 38.846 ms

Loss rate: 0.00%

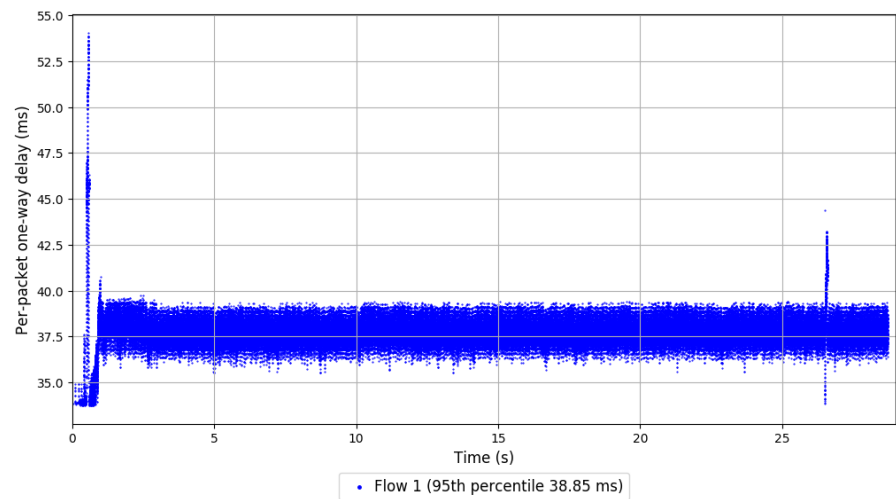
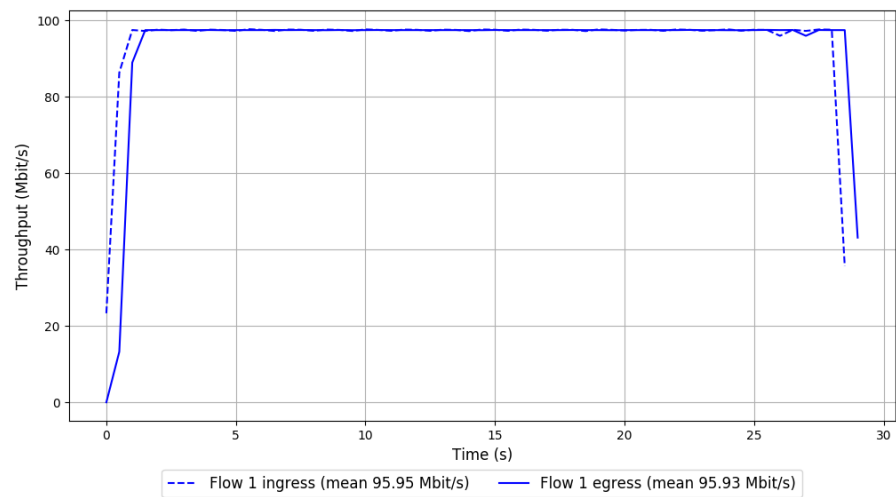
-- Flow 1:

Average throughput: 95.93 Mbit/s

95th percentile per-packet one-way delay: 38.846 ms

Loss rate: 0.00%

Run 2: Report of Indigo-MusesC5 — Data Link



Run 3: Statistics of Indigo-MusesC5

Start at: 2019-08-26 18:40:07

End at: 2019-08-26 18:40:37

Local clock offset: -4.828 ms

Remote clock offset: 4.389 ms

Below is generated by plot.py at 2019-08-26 20:10:28

Datalink statistics

-- Total of 1 flow:

Average throughput: 95.67 Mbit/s

95th percentile per-packet one-way delay: 37.219 ms

Loss rate: 0.00%

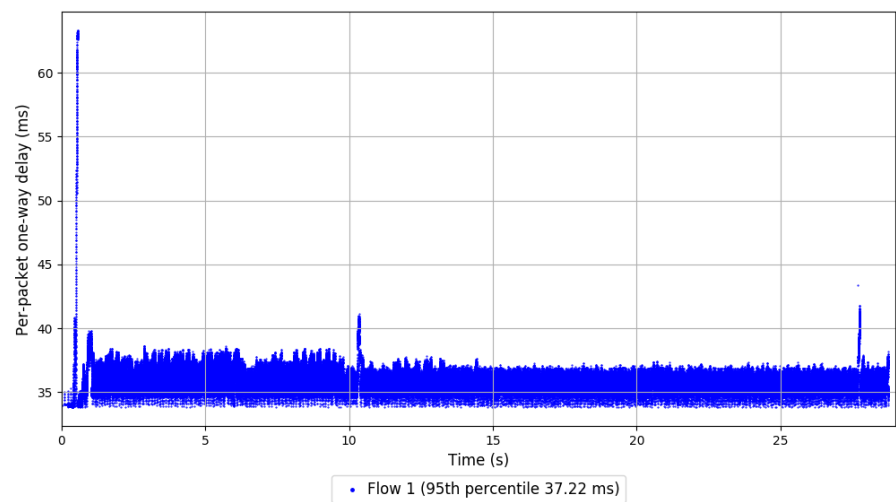
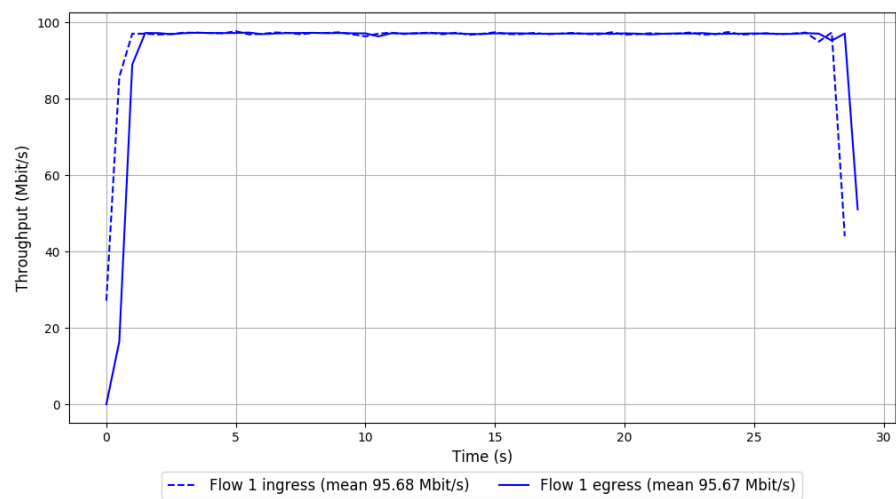
-- Flow 1:

Average throughput: 95.67 Mbit/s

95th percentile per-packet one-way delay: 37.219 ms

Loss rate: 0.00%

Run 3: Report of Indigo-MusesC5 — Data Link



Run 4: Statistics of Indigo-MusesC5

Start at: 2019-08-26 19:09:40

End at: 2019-08-26 19:10:10

Local clock offset: -4.881 ms

Remote clock offset: 5.844 ms

Below is generated by plot.py at 2019-08-26 20:10:29

Datalink statistics

-- Total of 1 flow:

Average throughput: 95.99 Mbit/s

95th percentile per-packet one-way delay: 38.964 ms

Loss rate: 0.00%

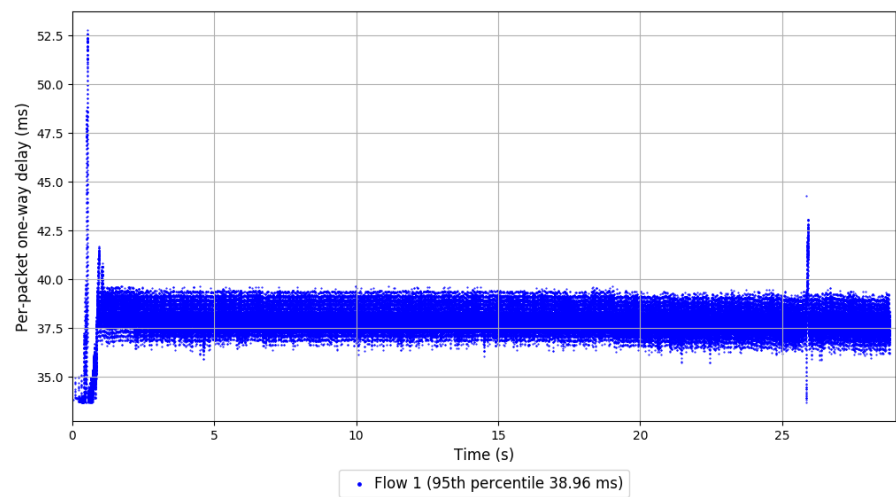
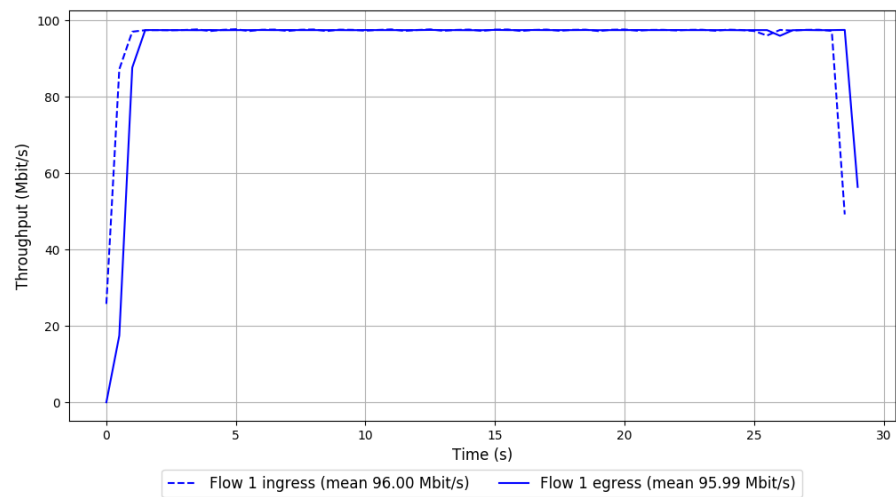
-- Flow 1:

Average throughput: 95.99 Mbit/s

95th percentile per-packet one-way delay: 38.964 ms

Loss rate: 0.00%

Run 4: Report of Indigo-MusesC5 — Data Link



Run 5: Statistics of Indigo-MusesC5

Start at: 2019-08-26 19:38:49

End at: 2019-08-26 19:39:19

Local clock offset: -5.671 ms

Remote clock offset: 6.58 ms

Below is generated by plot.py at 2019-08-26 20:10:30

Datalink statistics

-- Total of 1 flow:

Average throughput: 96.03 Mbit/s

95th percentile per-packet one-way delay: 39.138 ms

Loss rate: 0.00%

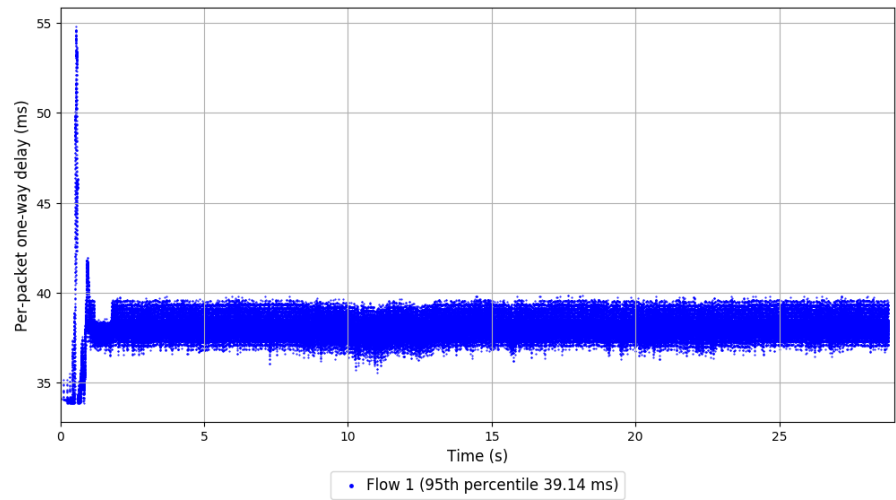
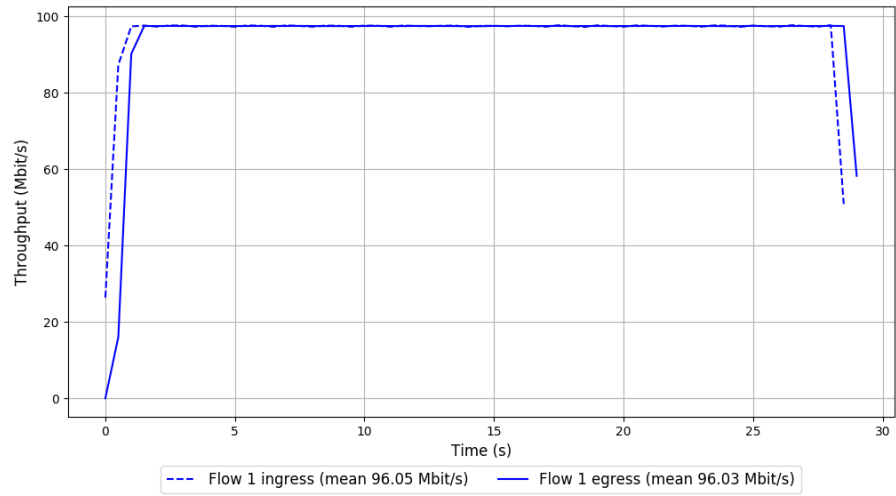
-- Flow 1:

Average throughput: 96.03 Mbit/s

95th percentile per-packet one-way delay: 39.138 ms

Loss rate: 0.00%

Run 5: Report of Indigo-MusesC5 — Data Link

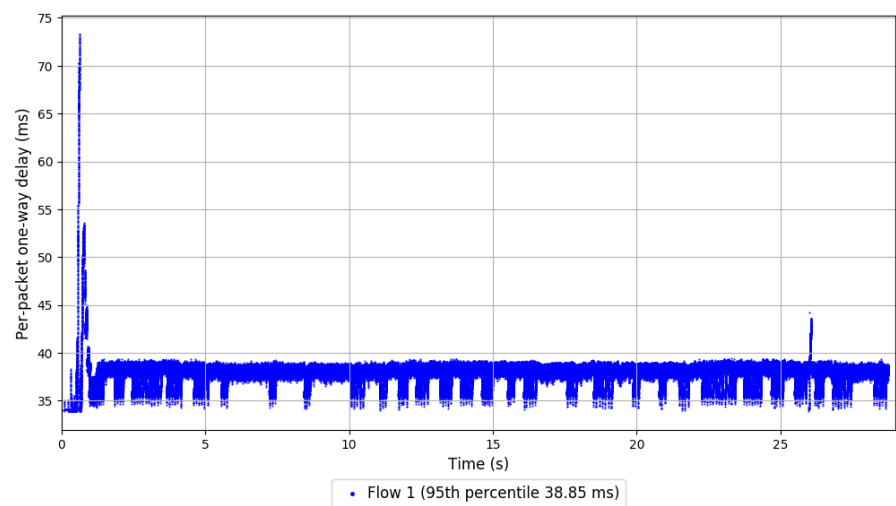
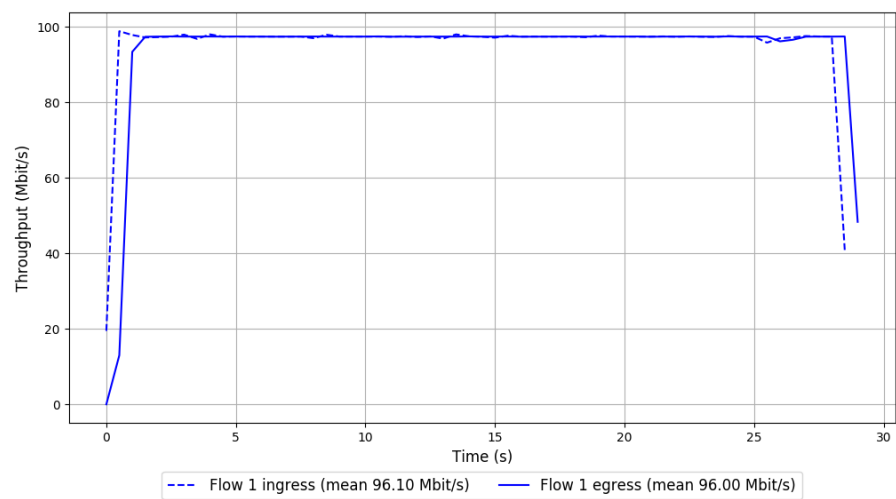



```
Run 1: Statistics of Indigo-MusesD

Start at: 2019-08-26 17:37:52
End at: 2019-08-26 17:38:22
Local clock offset: -3.327 ms
Remote clock offset: 4.661 ms

# Below is generated by plot.py at 2019-08-26 20:10:30
# Datalink statistics
-- Total of 1 flow:
Average throughput: 96.00 Mbit/s
95th percentile per-packet one-way delay: 38.848 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 96.00 Mbit/s
95th percentile per-packet one-way delay: 38.848 ms
Loss rate: 0.09%
```

Run 1: Report of Indigo-MusesD — Data Link



Run 2: Statistics of Indigo-MusesD

Start at: 2019-08-26 18:07:04

End at: 2019-08-26 18:07:34

Local clock offset: -4.911 ms

Remote clock offset: 3.159 ms

Below is generated by plot.py at 2019-08-26 20:10:31

Datalink statistics

-- Total of 1 flow:

Average throughput: 95.88 Mbit/s

95th percentile per-packet one-way delay: 37.795 ms

Loss rate: 0.00%

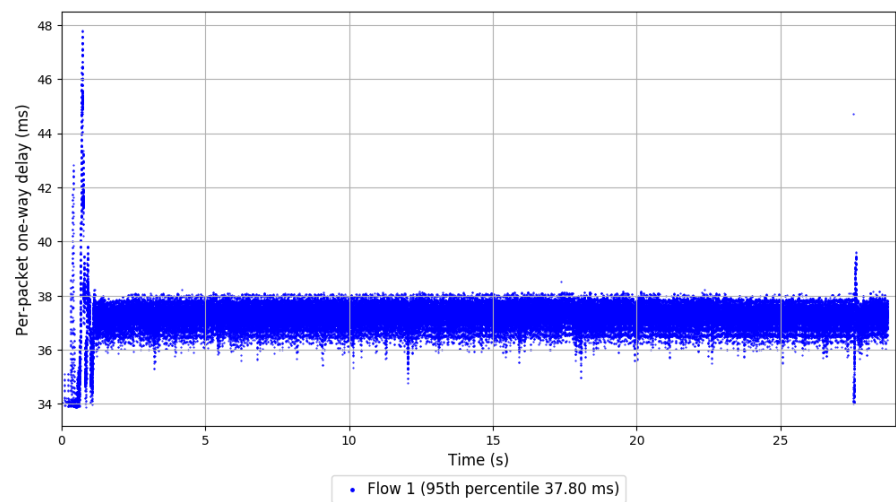
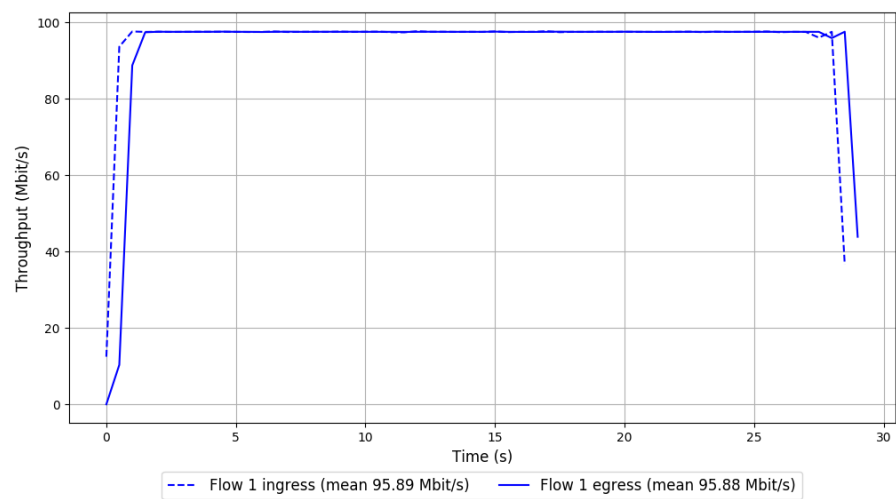
-- Flow 1:

Average throughput: 95.88 Mbit/s

95th percentile per-packet one-way delay: 37.795 ms

Loss rate: 0.00%

Run 2: Report of Indigo-MusesD — Data Link



Run 3: Statistics of Indigo-MusesD

Start at: 2019-08-26 18:36:33

End at: 2019-08-26 18:37:03

Local clock offset: -4.77 ms

Remote clock offset: 3.704 ms

Below is generated by plot.py at 2019-08-26 20:10:34

Datalink statistics

-- Total of 1 flow:

Average throughput: 95.96 Mbit/s

95th percentile per-packet one-way delay: 37.741 ms

Loss rate: 0.00%

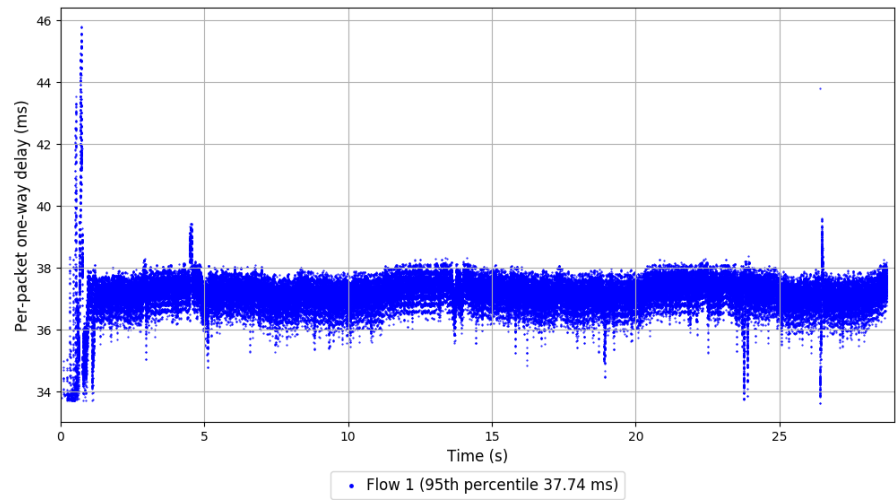
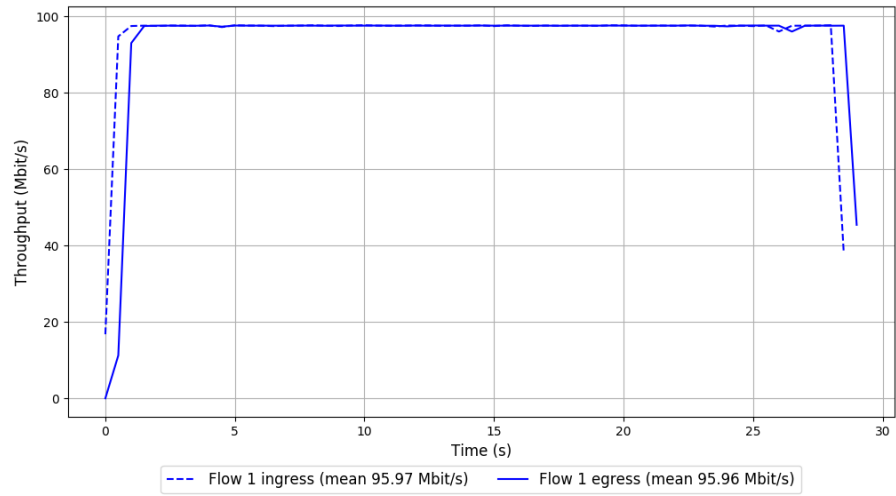
-- Flow 1:

Average throughput: 95.96 Mbit/s

95th percentile per-packet one-way delay: 37.741 ms

Loss rate: 0.00%

Run 3: Report of Indigo-MusesD — Data Link



Run 4: Statistics of Indigo-MusesD

Start at: 2019-08-26 19:06:09

End at: 2019-08-26 19:06:39

Local clock offset: -4.76 ms

Remote clock offset: 5.97 ms

Below is generated by plot.py at 2019-08-26 20:10:42

Datalink statistics

-- Total of 1 flow:

Average throughput: 95.99 Mbit/s

95th percentile per-packet one-way delay: 38.016 ms

Loss rate: 0.00%

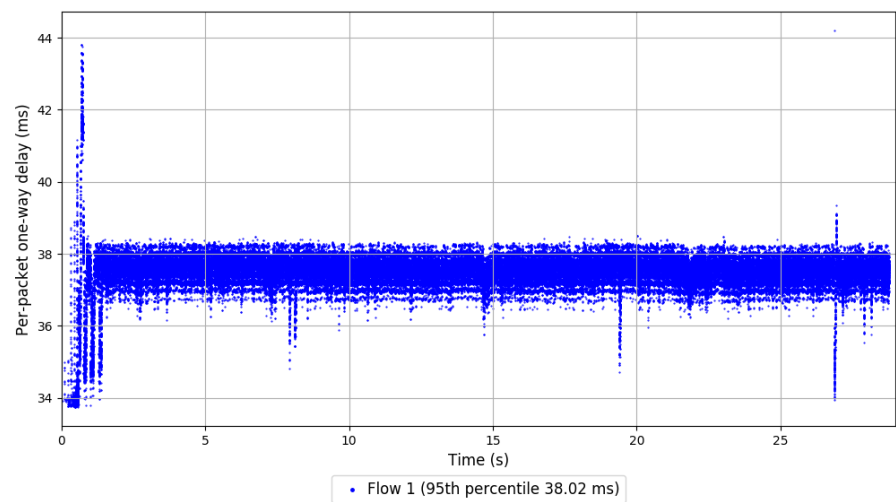
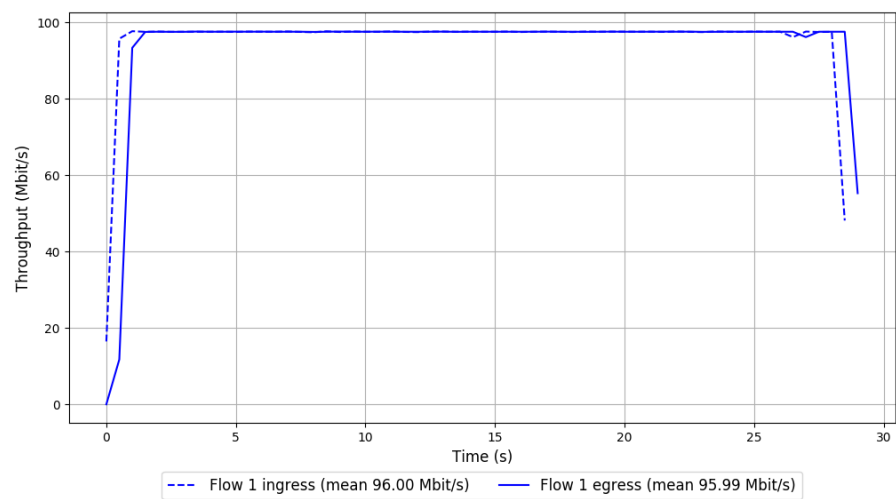
-- Flow 1:

Average throughput: 95.99 Mbit/s

95th percentile per-packet one-way delay: 38.016 ms

Loss rate: 0.00%

Run 4: Report of Indigo-MusesD — Data Link



Run 5: Statistics of Indigo-MusesD

Start at: 2019-08-26 19:35:17

End at: 2019-08-26 19:35:47

Local clock offset: -5.548 ms

Remote clock offset: 6.415 ms

Below is generated by plot.py at 2019-08-26 20:10:44

Datalink statistics

-- Total of 1 flow:

Average throughput: 96.09 Mbit/s

95th percentile per-packet one-way delay: 38.763 ms

Loss rate: 0.00%

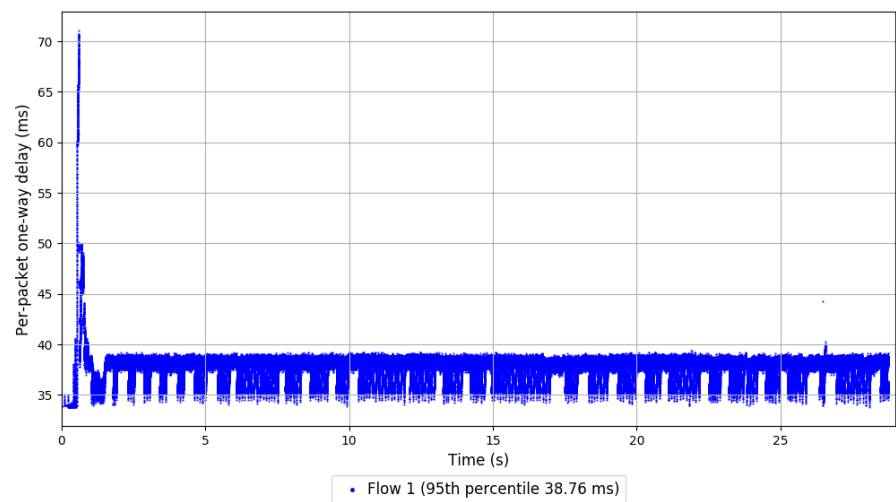
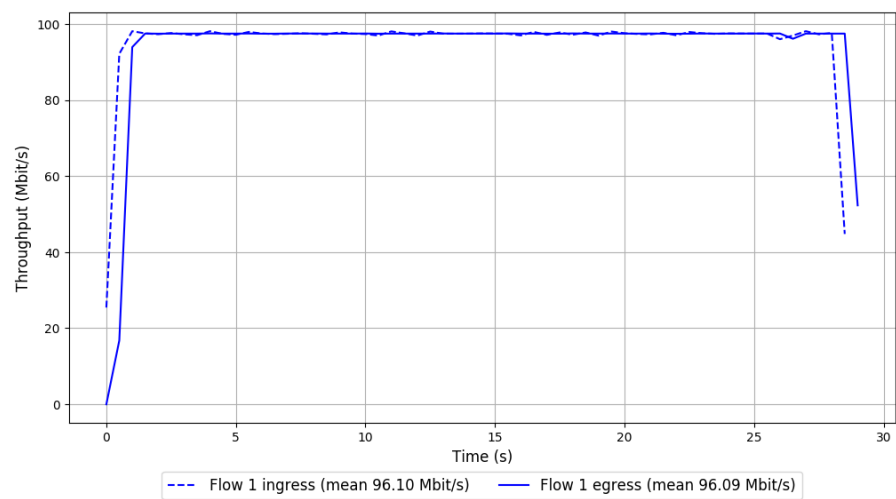
-- Flow 1:

Average throughput: 96.09 Mbit/s

95th percentile per-packet one-way delay: 38.763 ms

Loss rate: 0.00%

Run 5: Report of Indigo-MusesD — Data Link



Run 1: Statistics of Indigo-MusesT

Start at: 2019-08-26 18:00:02

End at: 2019-08-26 18:00:32

Local clock offset: -4.844 ms

Remote clock offset: 3.298 ms

Below is generated by plot.py at 2019-08-26 20:11:37

Datalink statistics

-- Total of 1 flow:

Average throughput: 95.95 Mbit/s

95th percentile per-packet one-way delay: 42.499 ms

Loss rate: 1.27%

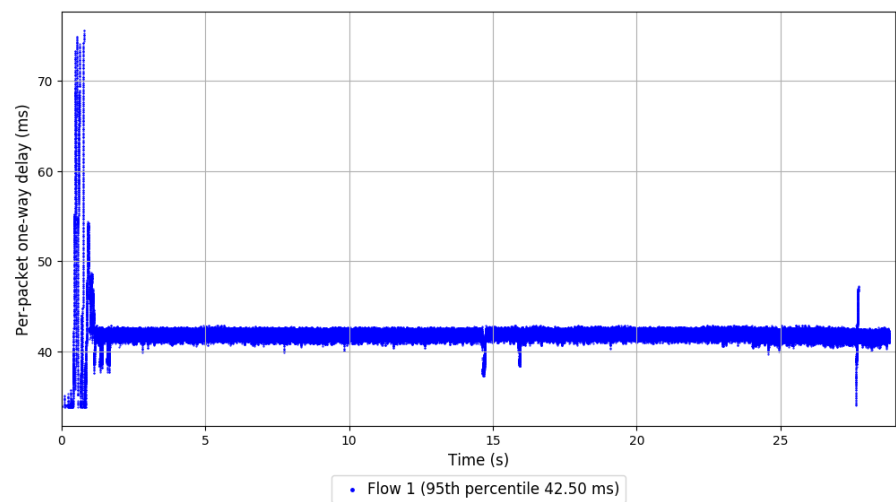
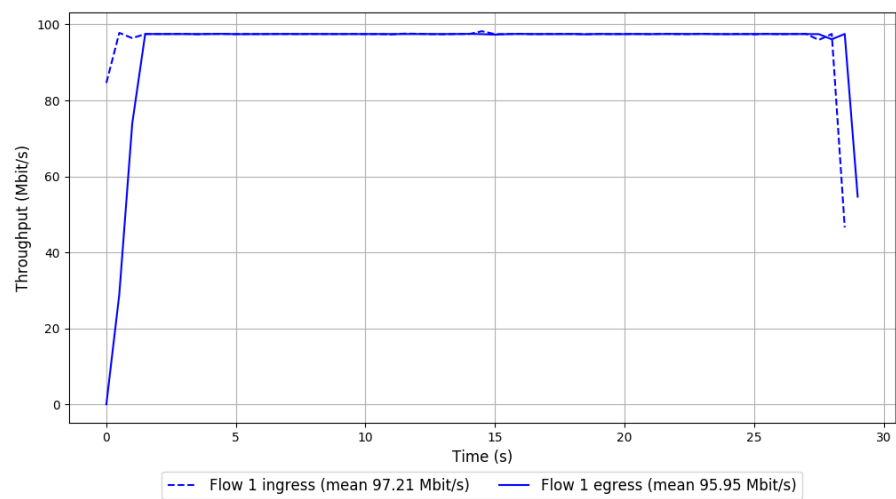
-- Flow 1:

Average throughput: 95.95 Mbit/s

95th percentile per-packet one-way delay: 42.499 ms

Loss rate: 1.27%

Run 1: Report of Indigo-MusesT — Data Link



Run 2: Statistics of Indigo-MusesT

Start at: 2019-08-26 18:28:57

End at: 2019-08-26 18:29:27

Local clock offset: -4.71 ms

Remote clock offset: 2.812 ms

Below is generated by plot.py at 2019-08-26 20:11:39

Datalink statistics

-- Total of 1 flow:

Average throughput: 96.31 Mbit/s

95th percentile per-packet one-way delay: 49.796 ms

Loss rate: 0.98%

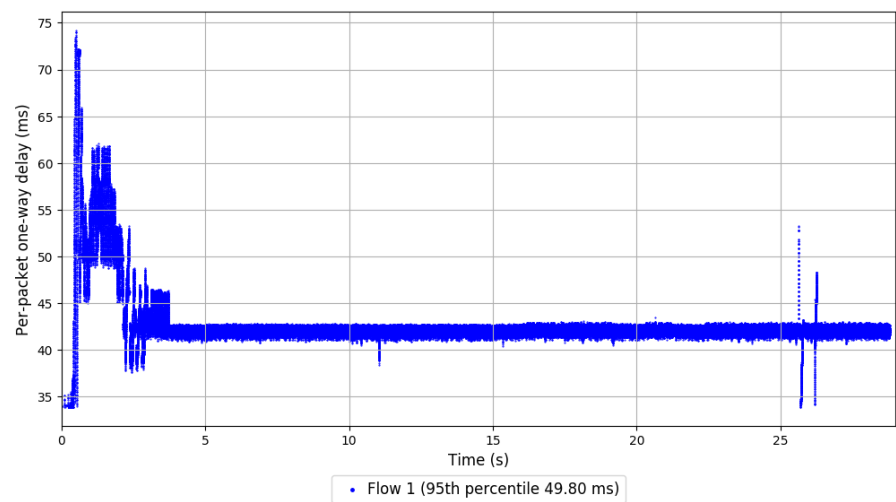
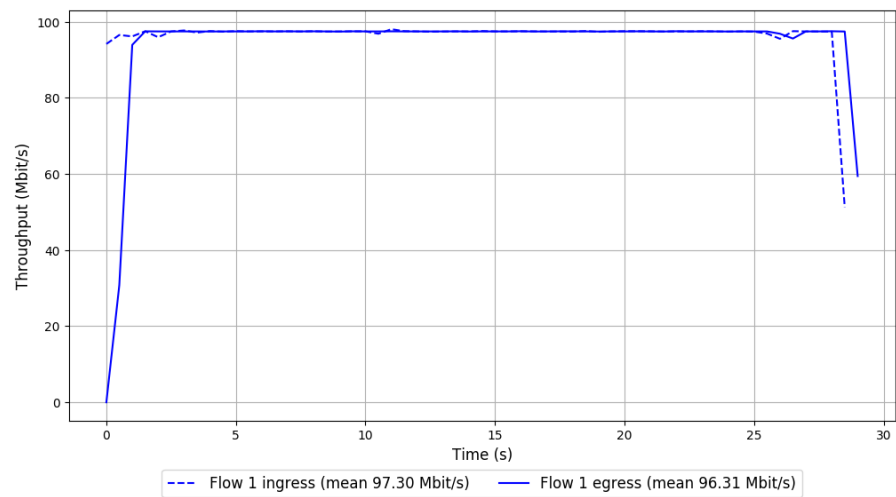
-- Flow 1:

Average throughput: 96.31 Mbit/s

95th percentile per-packet one-way delay: 49.796 ms

Loss rate: 0.98%

Run 2: Report of Indigo-MusesT — Data Link



Run 3: Statistics of Indigo-MusesT

Start at: 2019-08-26 18:58:54

End at: 2019-08-26 18:59:24

Local clock offset: -4.623 ms

Remote clock offset: 5.665 ms

Below is generated by plot.py at 2019-08-26 20:11:39

Datalink statistics

-- Total of 1 flow:

Average throughput: 96.12 Mbit/s

95th percentile per-packet one-way delay: 43.345 ms

Loss rate: 1.22%

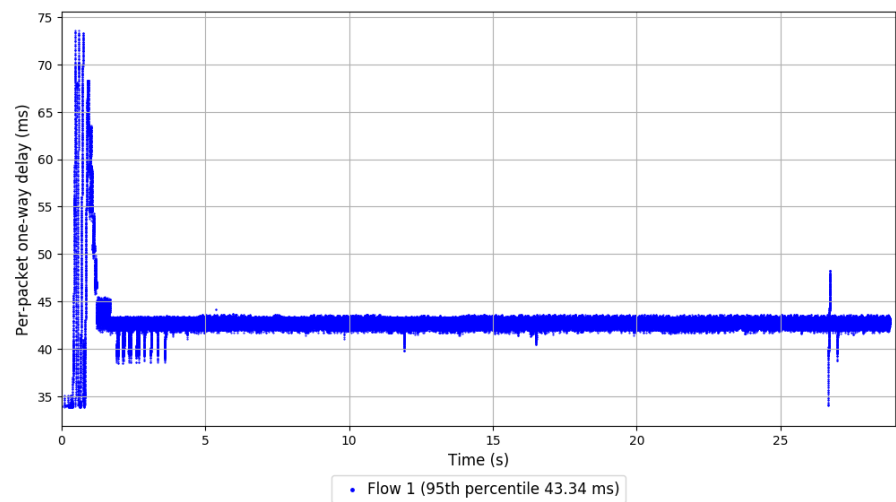
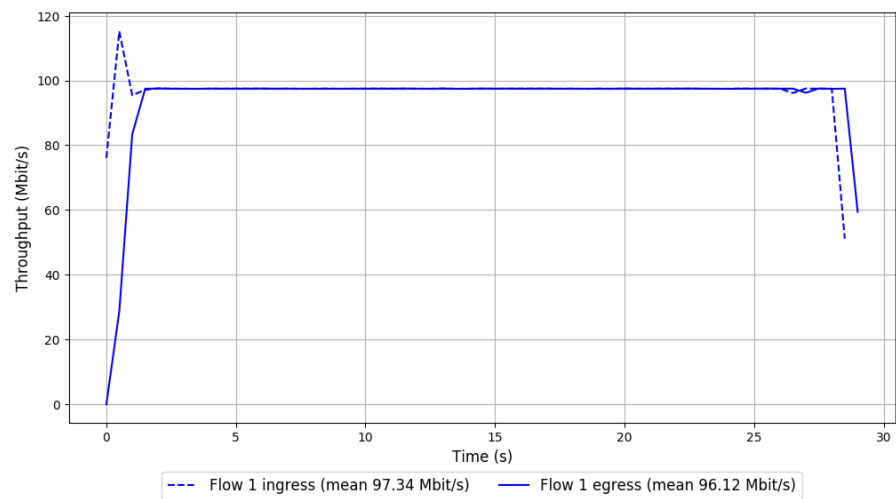
-- Flow 1:

Average throughput: 96.12 Mbit/s

95th percentile per-packet one-way delay: 43.345 ms

Loss rate: 1.22%

Run 3: Report of Indigo-MusesT — Data Link



Run 4: Statistics of Indigo-MusesT

Start at: 2019-08-26 19:28:09

End at: 2019-08-26 19:28:39

Local clock offset: -5.432 ms

Remote clock offset: 6.21 ms

Below is generated by plot.py at 2019-08-26 20:11:40

Datalink statistics

-- Total of 1 flow:

Average throughput: 96.20 Mbit/s

95th percentile per-packet one-way delay: 42.583 ms

Loss rate: 0.75%

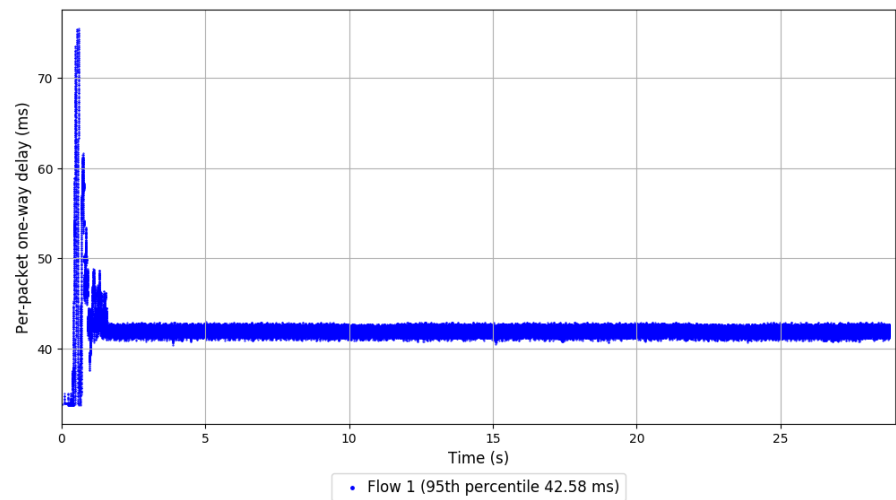
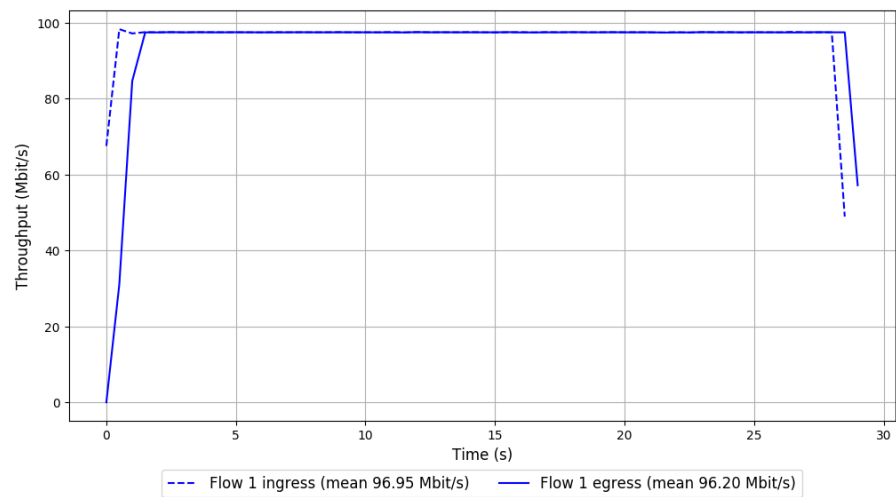
-- Flow 1:

Average throughput: 96.20 Mbit/s

95th percentile per-packet one-way delay: 42.583 ms

Loss rate: 0.75%

Run 4: Report of Indigo-MusesT — Data Link



Run 5: Statistics of Indigo-MusesT

Start at: 2019-08-26 19:56:56

End at: 2019-08-26 19:57:26

Local clock offset: -6.268 ms

Remote clock offset: 5.521 ms

Below is generated by plot.py at 2019-08-26 20:11:41

Datalink statistics

-- Total of 1 flow:

Average throughput: 96.24 Mbit/s

95th percentile per-packet one-way delay: 43.300 ms

Loss rate: 0.51%

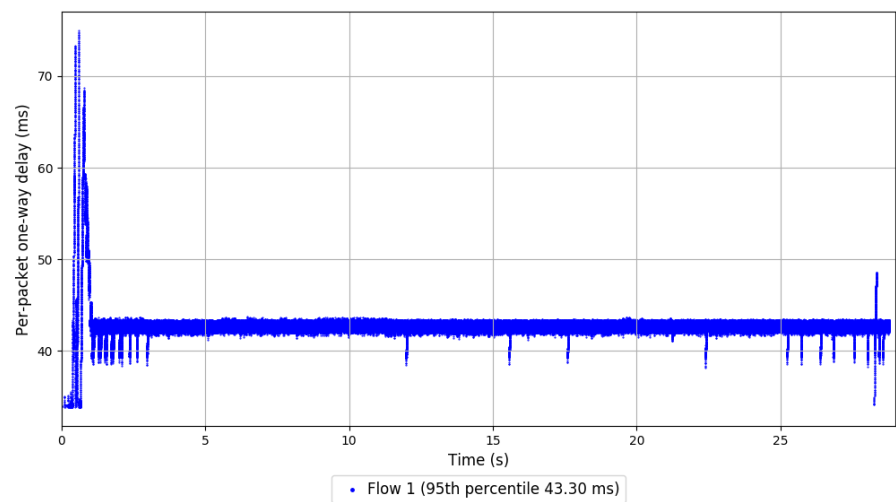
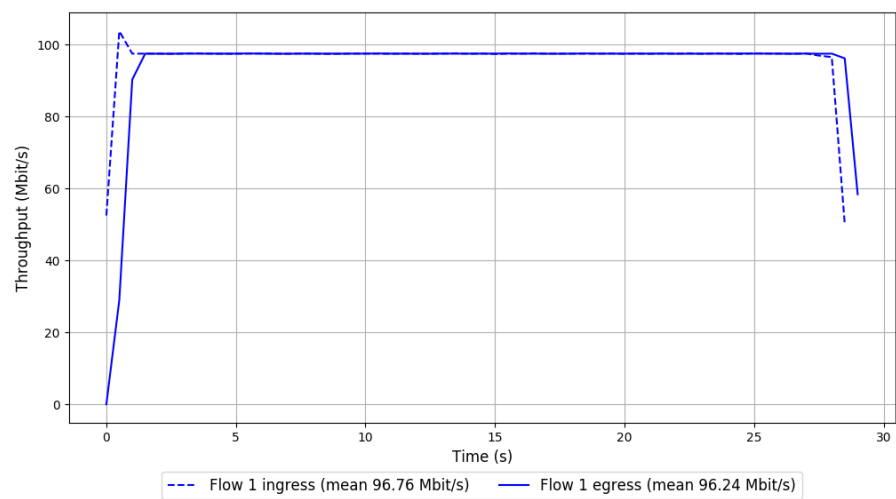
-- Flow 1:

Average throughput: 96.24 Mbit/s

95th percentile per-packet one-way delay: 43.300 ms

Loss rate: 0.51%

Run 5: Report of Indigo-MusesT — Data Link



Run 1: Statistics of LEDBAT

Start at: 2019-08-26 18:03:37

End at: 2019-08-26 18:04:07

Local clock offset: -4.869 ms

Remote clock offset: 3.194 ms

Below is generated by plot.py at 2019-08-26 20:11:41

Datalink statistics

-- Total of 1 flow:

Average throughput: 70.49 Mbit/s

95th percentile per-packet one-way delay: 61.006 ms

Loss rate: 0.00%

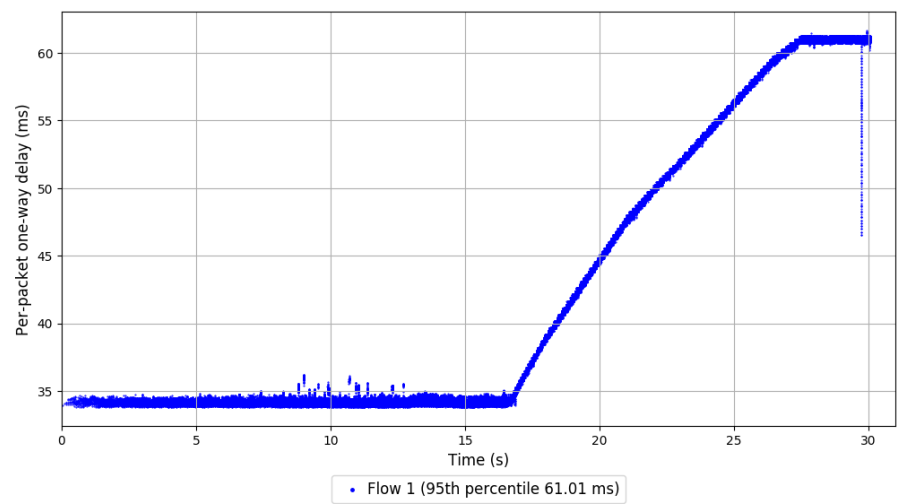
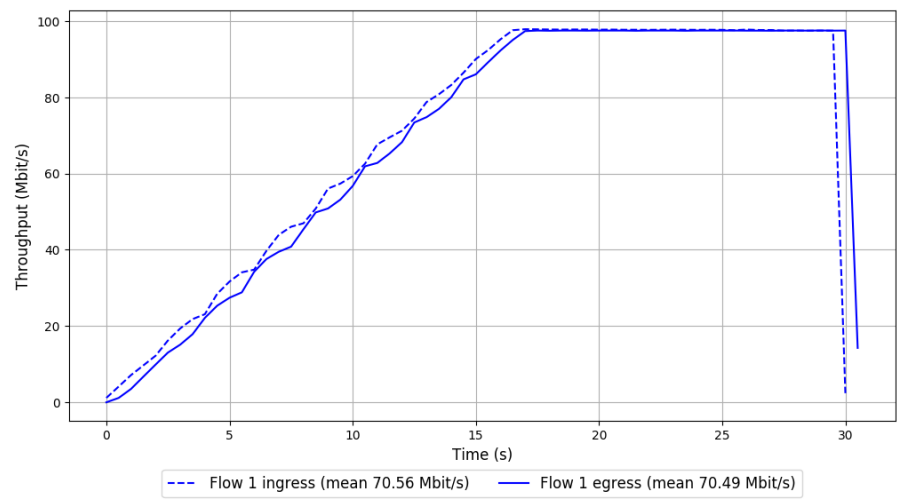
-- Flow 1:

Average throughput: 70.49 Mbit/s

95th percentile per-packet one-way delay: 61.006 ms

Loss rate: 0.00%

Run 1: Report of LEDBAT — Data Link



Run 2: Statistics of LEDBAT

Start at: 2019-08-26 18:32:45

End at: 2019-08-26 18:33:15

Local clock offset: -4.724 ms

Remote clock offset: 2.748 ms

Below is generated by plot.py at 2019-08-26 20:11:41

Datalink statistics

-- Total of 1 flow:

Average throughput: 70.29 Mbit/s

95th percentile per-packet one-way delay: 60.718 ms

Loss rate: 0.00%

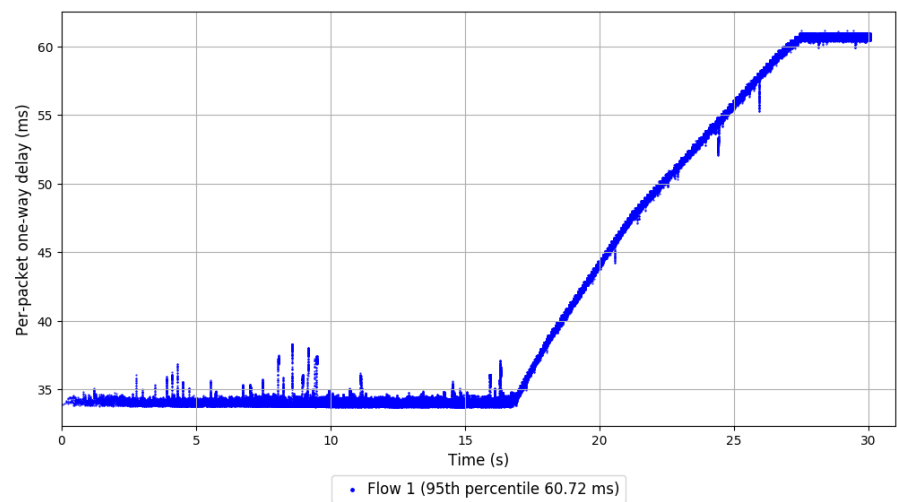
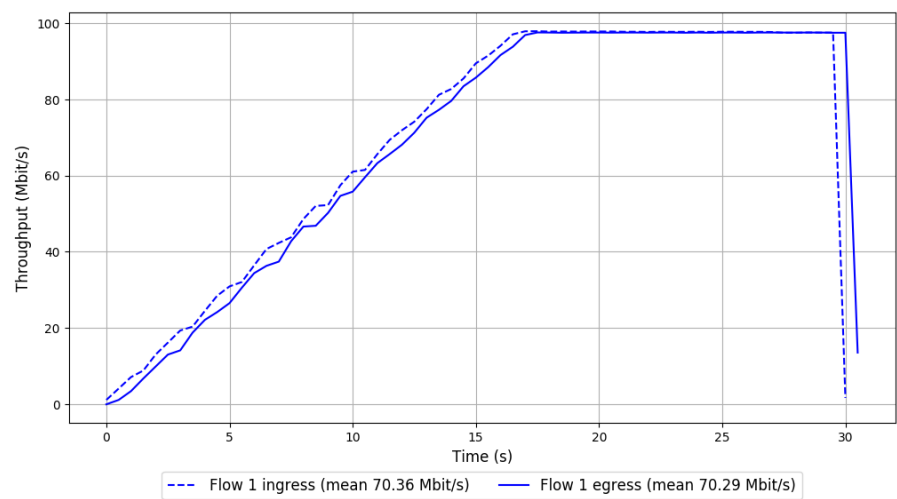
-- Flow 1:

Average throughput: 70.29 Mbit/s

95th percentile per-packet one-way delay: 60.718 ms

Loss rate: 0.00%

Run 2: Report of LEDBAT — Data Link



Run 3: Statistics of LEDBAT

Start at: 2019-08-26 19:02:33

End at: 2019-08-26 19:03:04

Local clock offset: -4.693 ms

Remote clock offset: 5.746 ms

Below is generated by plot.py at 2019-08-26 20:11:42

Datalink statistics

-- Total of 1 flow:

Average throughput: 70.25 Mbit/s

95th percentile per-packet one-way delay: 60.707 ms

Loss rate: 0.00%

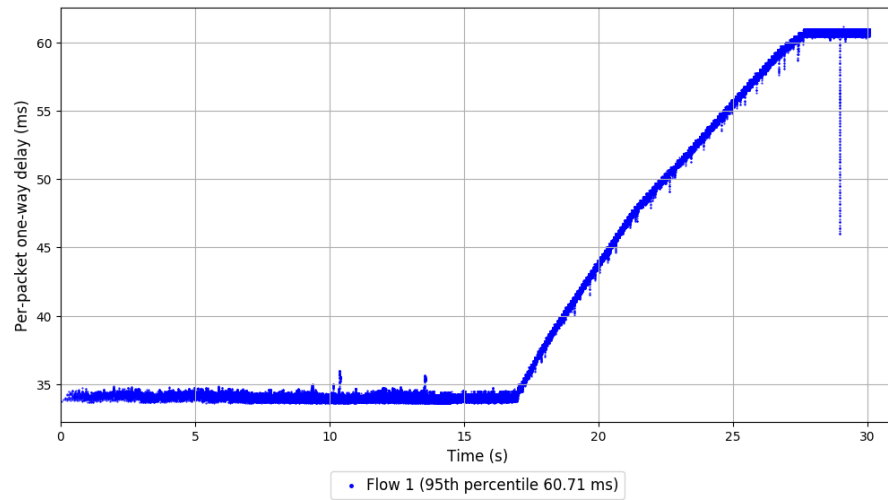
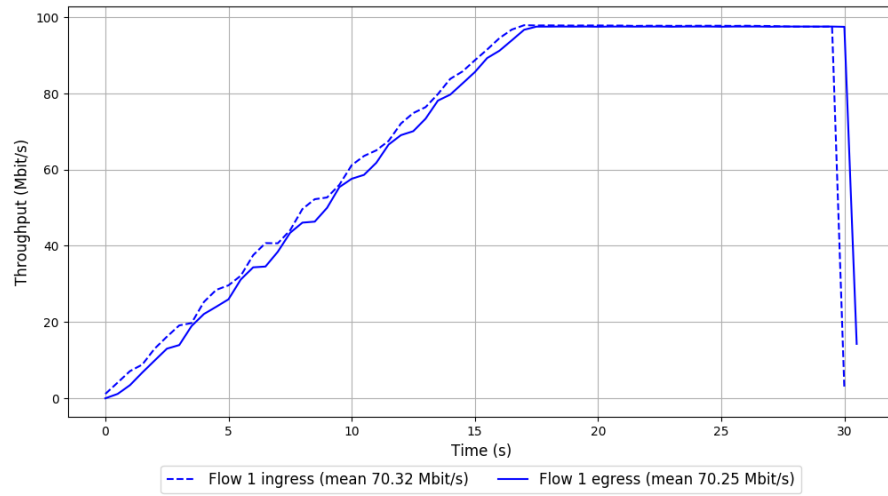
-- Flow 1:

Average throughput: 70.25 Mbit/s

95th percentile per-packet one-way delay: 60.707 ms

Loss rate: 0.00%

Run 3: Report of LEDBAT — Data Link



Run 4: Statistics of LEDBAT

Start at: 2019-08-26 19:31:43

End at: 2019-08-26 19:32:13

Local clock offset: -5.488 ms

Remote clock offset: 6.353 ms

Below is generated by plot.py at 2019-08-26 20:12:13

Datalink statistics

-- Total of 1 flow:

Average throughput: 66.37 Mbit/s

95th percentile per-packet one-way delay: 60.870 ms

Loss rate: 0.00%

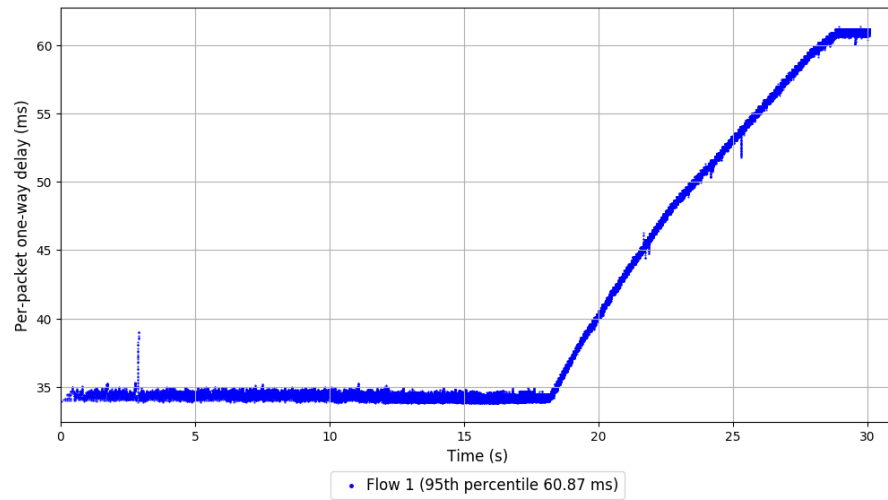
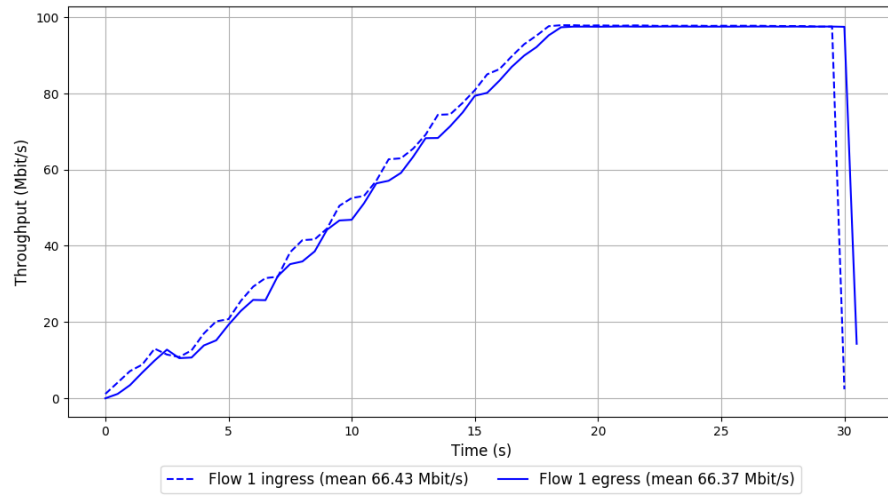
-- Flow 1:

Average throughput: 66.37 Mbit/s

95th percentile per-packet one-way delay: 60.870 ms

Loss rate: 0.00%

Run 4: Report of LEDBAT — Data Link



Run 5: Statistics of LEDBAT

Start at: 2019-08-26 20:00:30

End at: 2019-08-26 20:01:00

Local clock offset: -6.246 ms

Remote clock offset: 5.219 ms

Below is generated by plot.py at 2019-08-26 20:12:17

Datalink statistics

-- Total of 1 flow:

Average throughput: 61.50 Mbit/s

95th percentile per-packet one-way delay: 49.369 ms

Loss rate: 0.00%

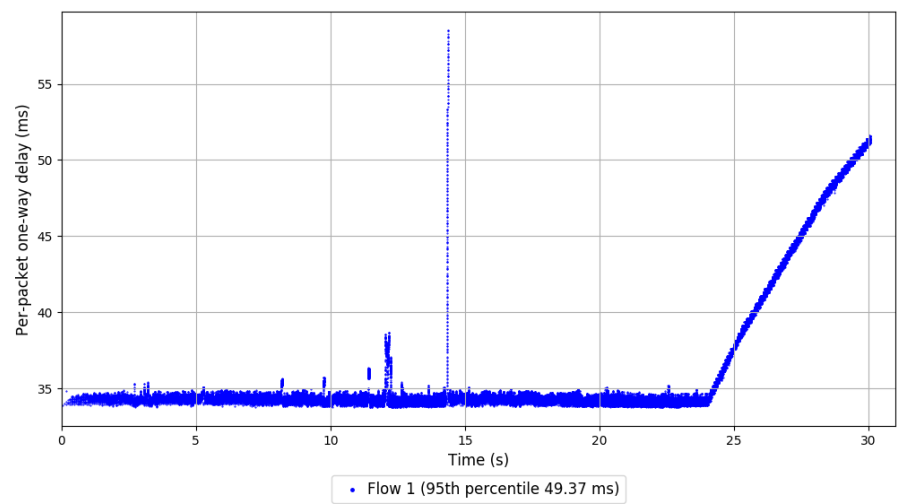
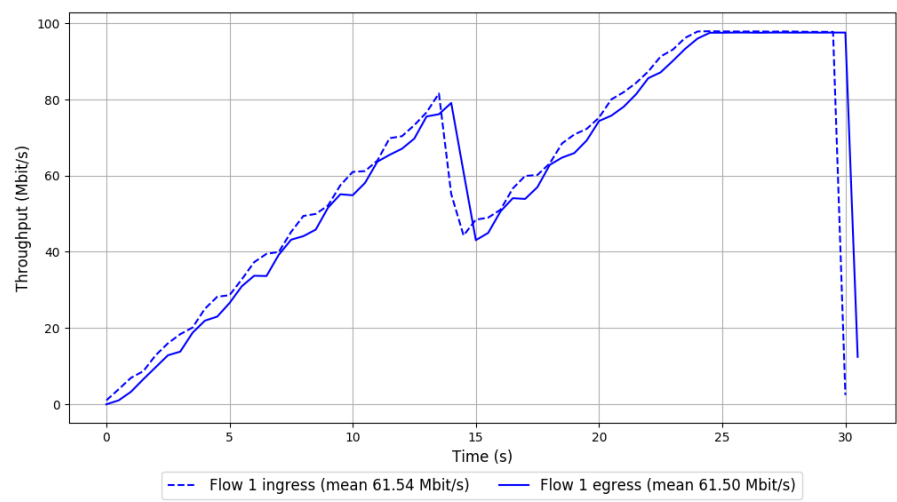
-- Flow 1:

Average throughput: 61.50 Mbit/s

95th percentile per-packet one-way delay: 49.369 ms

Loss rate: 0.00%

Run 5: Report of LEDBAT — Data Link

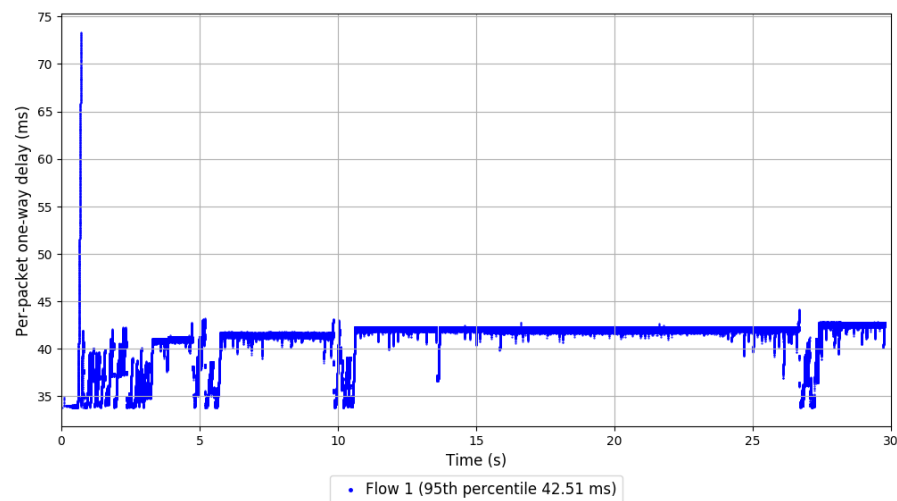
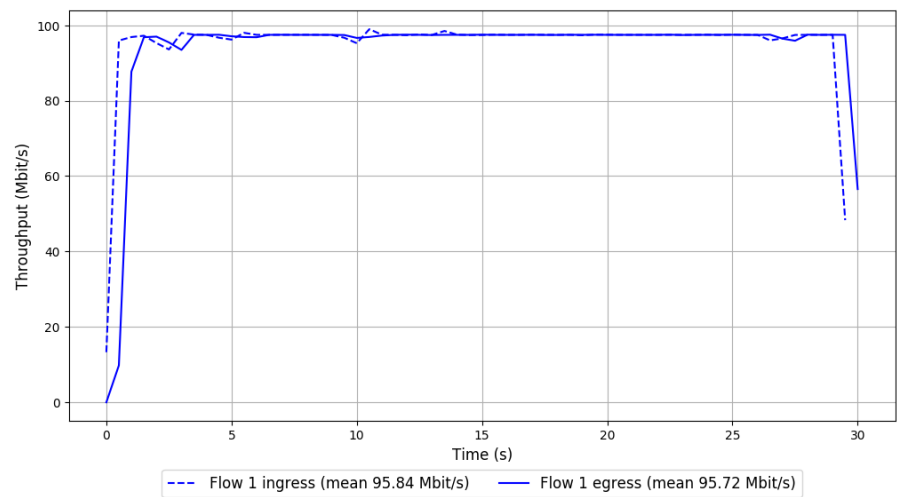


```
Run 1: Statistics of Muses\_DecisionTree

Start at: 2019-08-26 17:57:22
End at: 2019-08-26 17:57:52
Local clock offset: -4.868 ms
Remote clock offset: 3.487 ms

# Below is generated by plot.py at 2019-08-26 20:12:50
# Datalink statistics
-- Total of 1 flow:
Average throughput: 95.72 Mbit/s
95th percentile per-packet one-way delay: 42.506 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 95.72 Mbit/s
95th percentile per-packet one-way delay: 42.506 ms
Loss rate: 0.10%
```

Run 1: Report of Muses_DecisionTree — Data Link



Run 2: Statistics of Muses_DecisionTree

Start at: 2019-08-26 18:26:28

End at: 2019-08-26 18:26:58

Local clock offset: -4.73 ms

Remote clock offset: 2.798 ms

Below is generated by plot.py at 2019-08-26 20:12:51

Datalink statistics

-- Total of 1 flow:

Average throughput: 95.18 Mbit/s

95th percentile per-packet one-way delay: 42.935 ms

Loss rate: 0.08%

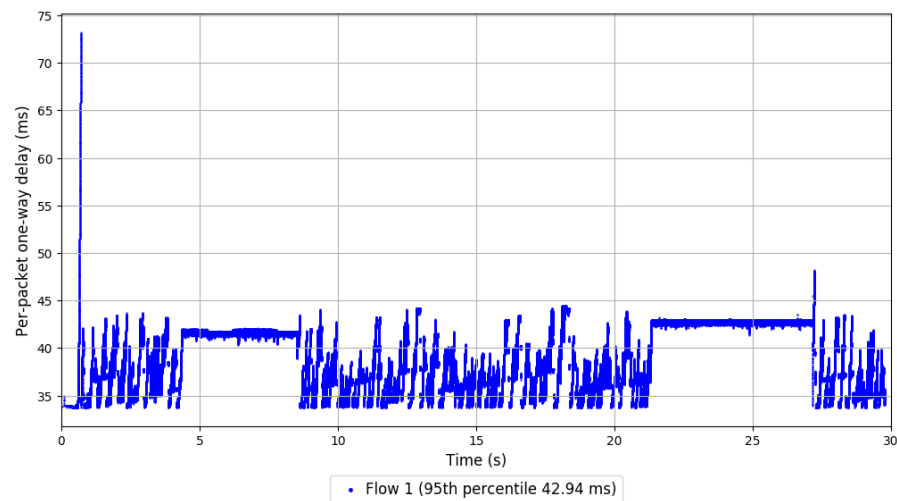
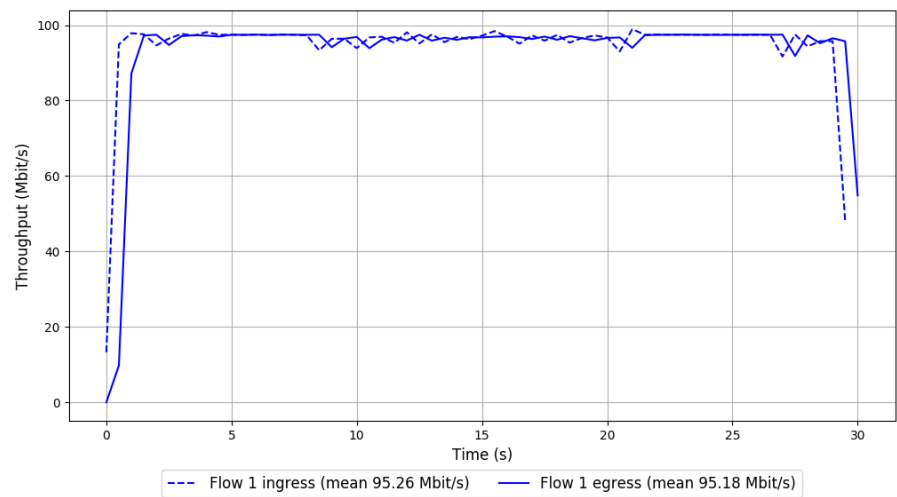
-- Flow 1:

Average throughput: 95.18 Mbit/s

95th percentile per-packet one-way delay: 42.935 ms

Loss rate: 0.08%

Run 2: Report of Muses_DecisionTree — Data Link



Run 3: Statistics of Muses_DecisionTree

Start at: 2019-08-26 18:56:19

End at: 2019-08-26 18:56:49

Local clock offset: -4.586 ms

Remote clock offset: 5.473 ms

Below is generated by plot.py at 2019-08-26 20:12:51

Datalink statistics

-- Total of 1 flow:

Average throughput: 95.35 Mbit/s

95th percentile per-packet one-way delay: 43.396 ms

Loss rate: 0.08%

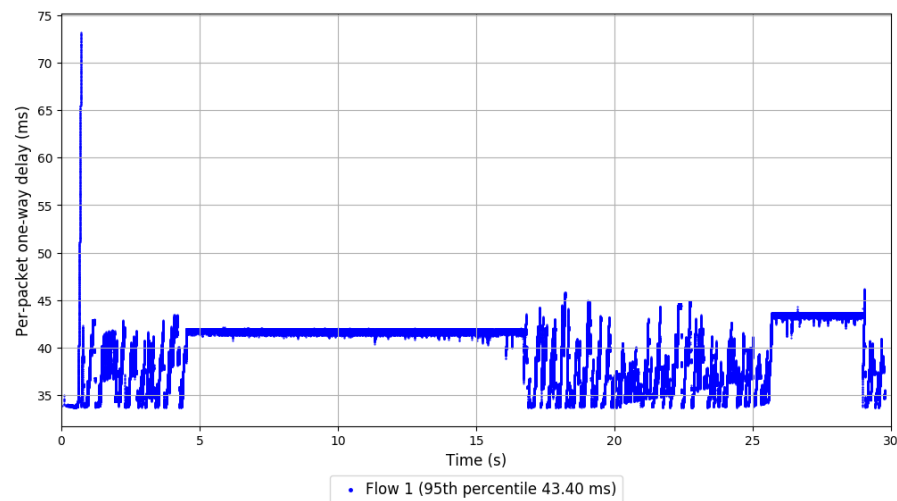
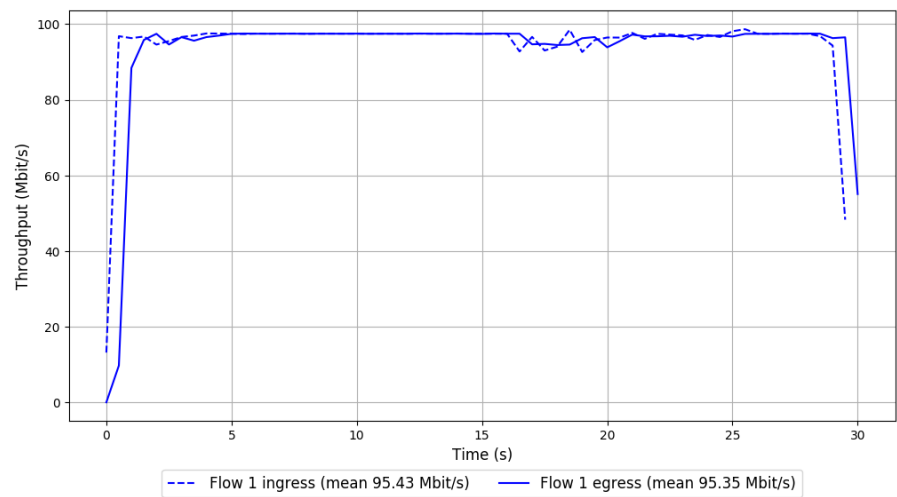
-- Flow 1:

Average throughput: 95.35 Mbit/s

95th percentile per-packet one-way delay: 43.396 ms

Loss rate: 0.08%

Run 3: Report of Muses_DecisionTree — Data Link



Run 4: Statistics of Muses_DecisionTree

Start at: 2019-08-26 19:25:44

End at: 2019-08-26 19:26:14

Local clock offset: -5.386 ms

Remote clock offset: 6.088 ms

Below is generated by plot.py at 2019-08-26 20:12:52

Datalink statistics

-- Total of 1 flow:

Average throughput: 95.67 Mbit/s

95th percentile per-packet one-way delay: 41.297 ms

Loss rate: 0.08%

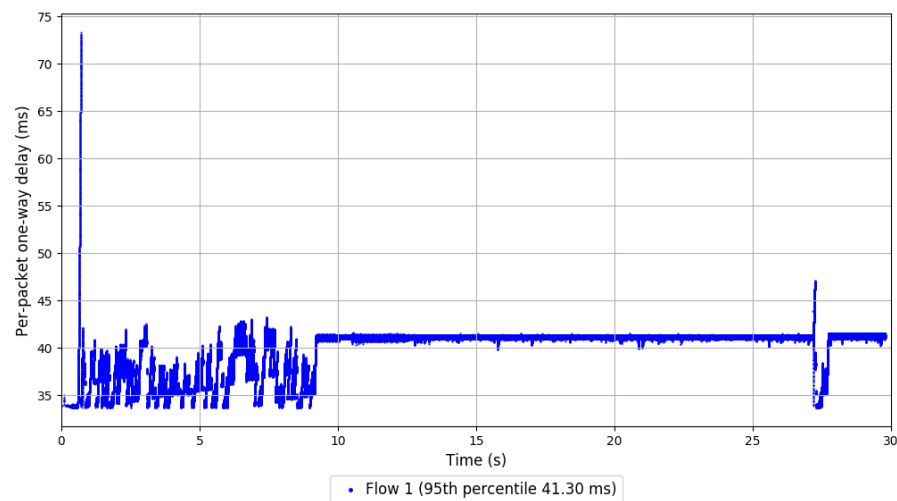
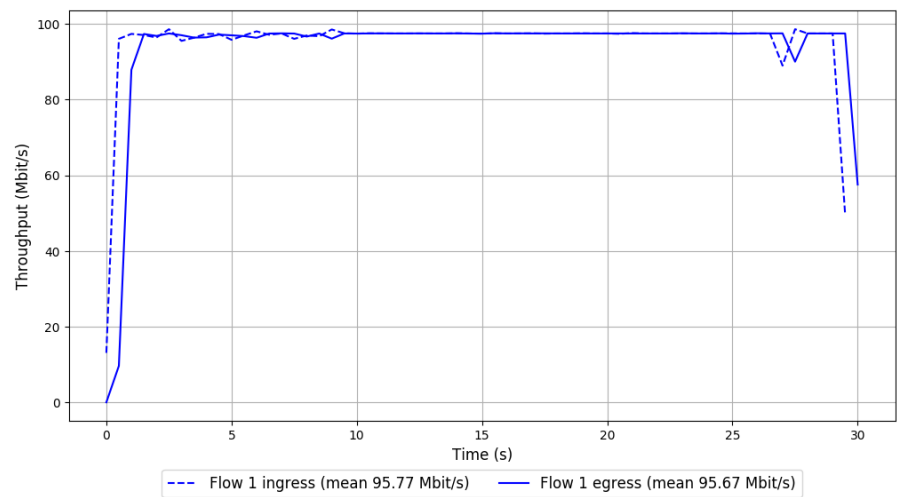
-- Flow 1:

Average throughput: 95.67 Mbit/s

95th percentile per-packet one-way delay: 41.297 ms

Loss rate: 0.08%

Run 4: Report of Muses_DecisionTree — Data Link



Run 5: Statistics of Muses_DecisionTree

Start at: 2019-08-26 19:54:34

End at: 2019-08-26 19:55:04

Local clock offset: -6.174 ms

Remote clock offset: 5.61 ms

Below is generated by plot.py at 2019-08-26 20:12:53

Datalink statistics

-- Total of 1 flow:

Average throughput: 95.84 Mbit/s

95th percentile per-packet one-way delay: 41.126 ms

Loss rate: 0.08%

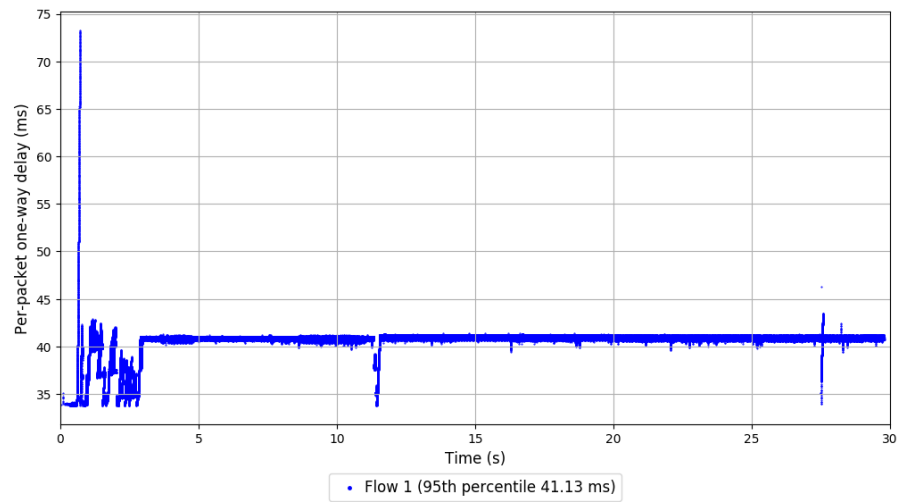
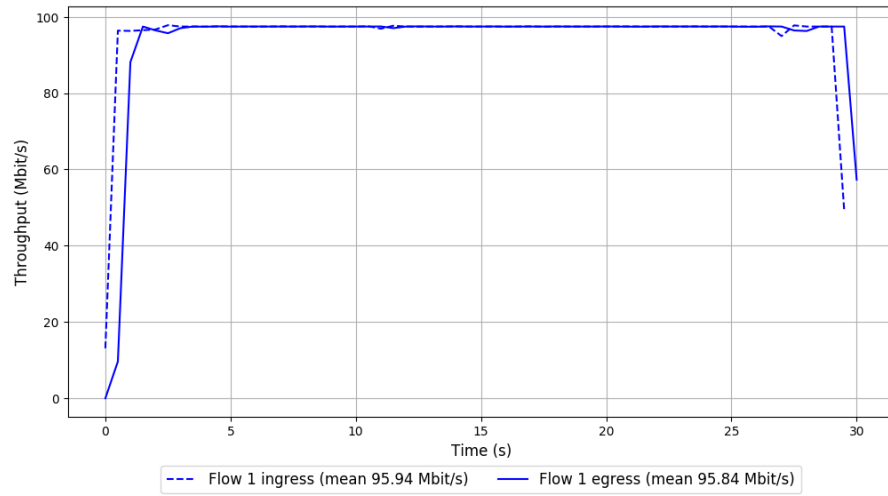
-- Flow 1:

Average throughput: 95.84 Mbit/s

95th percentile per-packet one-way delay: 41.126 ms

Loss rate: 0.08%

Run 5: Report of Muses_DecisionTree — Data Link



Run 1: Statistics of Muses_DecisionTreeH0

Start at: 2019-08-26 17:44:44

End at: 2019-08-26 17:45:14

Local clock offset: -3.844 ms

Remote clock offset: 4.238 ms

Below is generated by plot.py at 2019-08-26 20:12:54

Datalink statistics

-- Total of 1 flow:

Average throughput: 95.92 Mbit/s

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

Loss rate: 0.08%

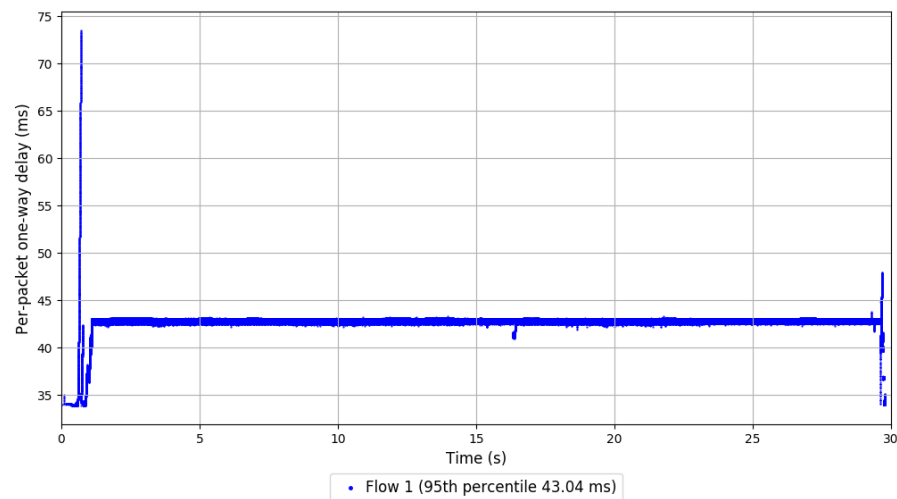
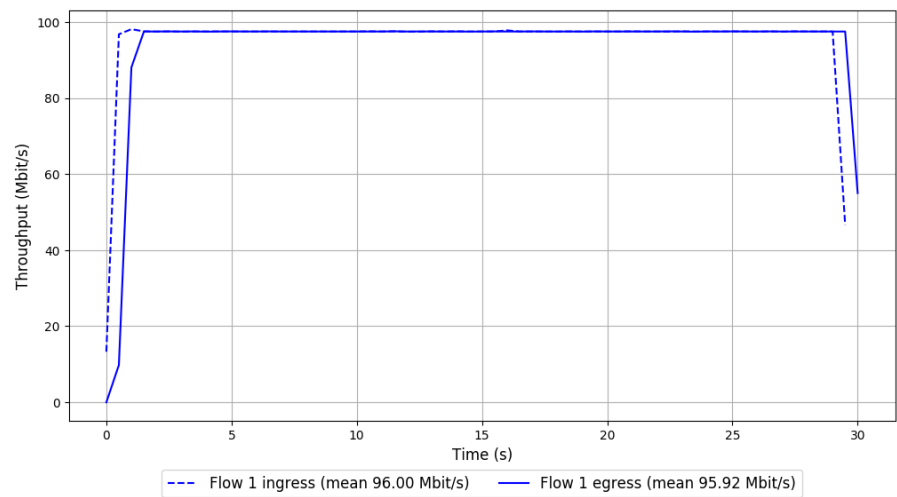
-- Flow 1:

Average throughput: 95.92 Mbit/s

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

Loss rate: 0.08%

Run 1: Report of Muses_DecisionTreeH0 — Data Link



Run 2: Statistics of Muses_DecisionTreeH0

Start at: 2019-08-26 18:14:01

End at: 2019-08-26 18:14:31

Local clock offset: -5.039 ms

Remote clock offset: 3.035 ms

Below is generated by plot.py at 2019-08-26 20:13:27

Datalink statistics

-- Total of 1 flow:

Average throughput: 95.94 Mbit/s

95th percentile per-packet one-way delay: 43.417 ms

Loss rate: 0.08%

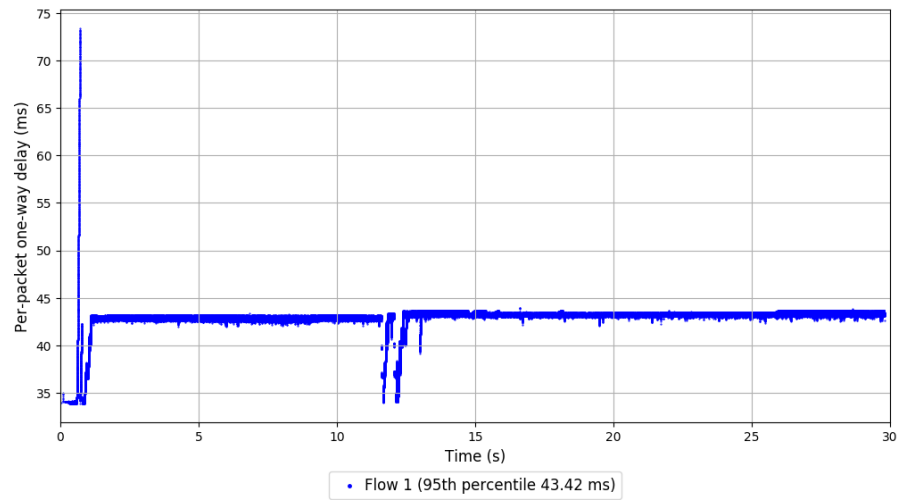
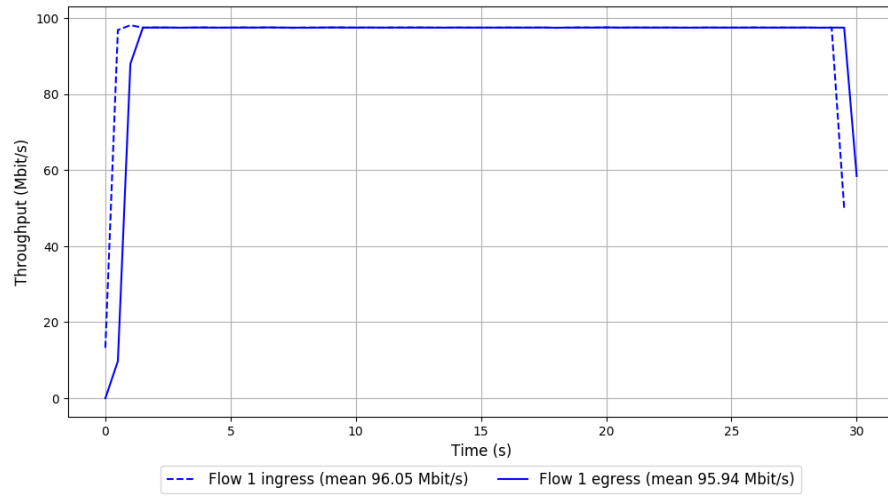
-- Flow 1:

Average throughput: 95.94 Mbit/s

95th percentile per-packet one-way delay: 43.417 ms

Loss rate: 0.08%

Run 2: Report of Muses_DecisionTreeH0 — Data Link



Run 3: Statistics of Muses_DecisionTreeH0

Start at: 2019-08-26 18:43:54

End at: 2019-08-26 18:44:24

Local clock offset: -4.666 ms

Remote clock offset: 4.708 ms

Below is generated by plot.py at 2019-08-26 20:13:32

Datalink statistics

-- Total of 1 flow:

Average throughput: 95.77 Mbit/s

95th percentile per-packet one-way delay: 41.005 ms

Loss rate: 0.07%

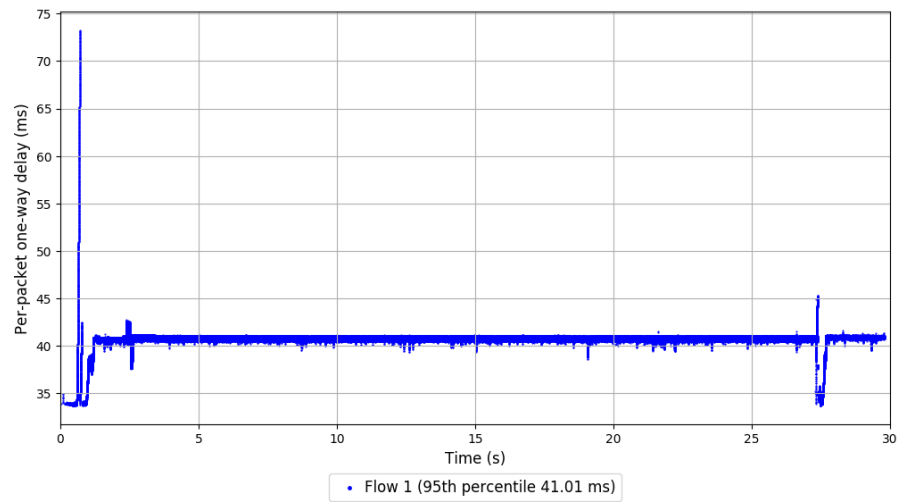
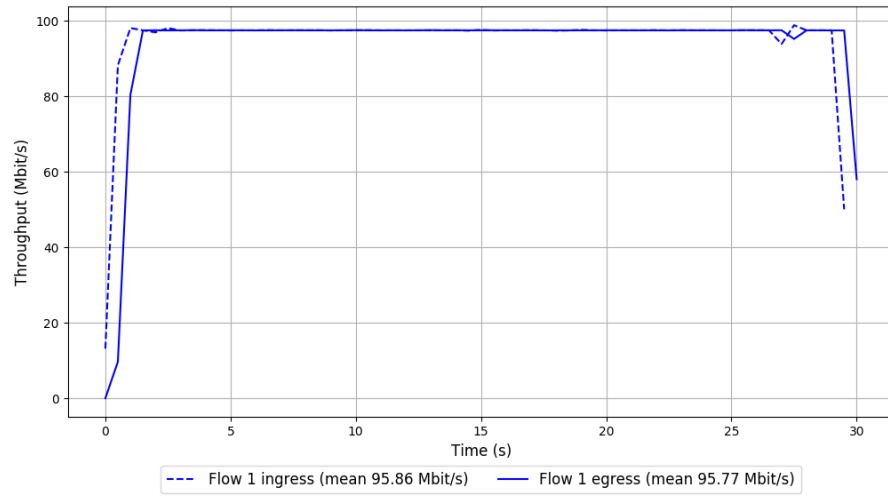
-- Flow 1:

Average throughput: 95.77 Mbit/s

95th percentile per-packet one-way delay: 41.005 ms

Loss rate: 0.07%

Run 3: Report of Muses_DecisionTreeH0 — Data Link



Run 4: Statistics of Muses_DecisionTreeH0

Start at: 2019-08-26 19:13:19

End at: 2019-08-26 19:13:49

Local clock offset: -4.991 ms

Remote clock offset: 5.987 ms

Below is generated by plot.py at 2019-08-26 20:14:03

Datalink statistics

-- Total of 1 flow:

Average throughput: 95.71 Mbit/s

95th percentile per-packet one-way delay: 43.454 ms

Loss rate: 0.07%

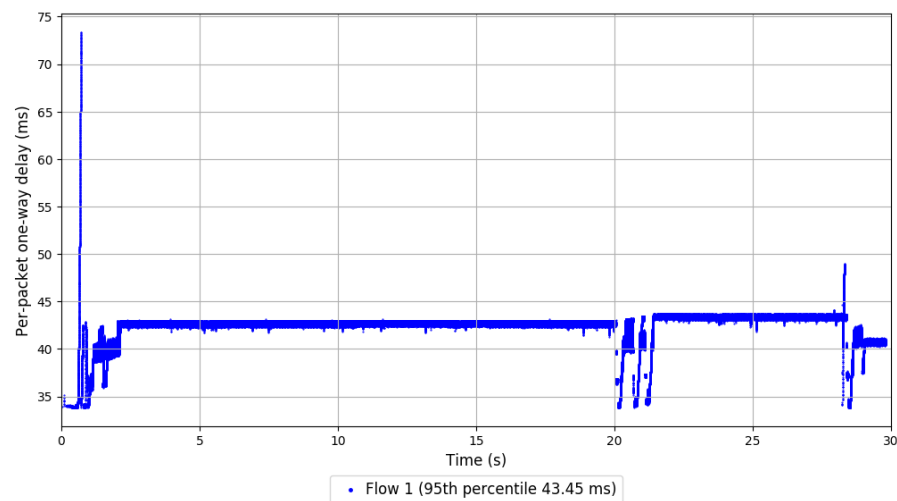
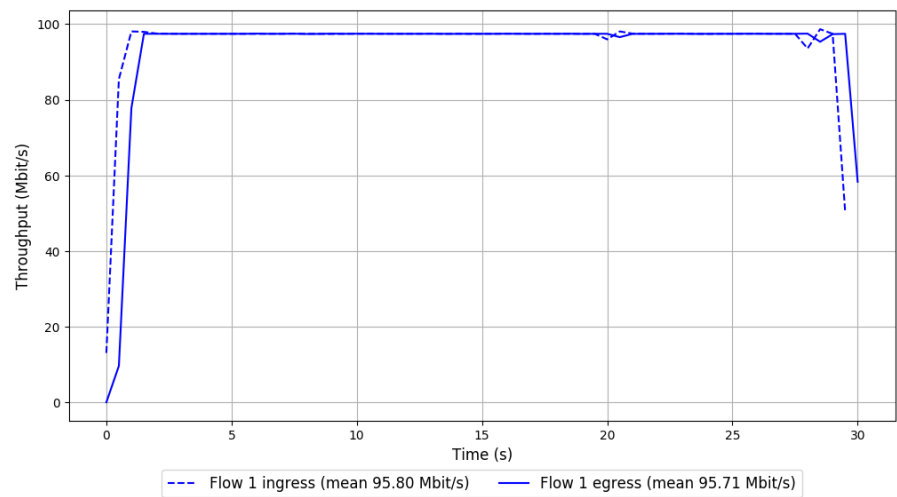
-- Flow 1:

Average throughput: 95.71 Mbit/s

95th percentile per-packet one-way delay: 43.454 ms

Loss rate: 0.07%

Run 4: Report of Muses_DecisionTreeH0 — Data Link



Run 5: Statistics of Muses_DecisionTreeH0

Start at: 2019-08-26 19:42:20

End at: 2019-08-26 19:42:50

Local clock offset: -5.777 ms

Remote clock offset: 6.485 ms

Below is generated by plot.py at 2019-08-26 20:14:04

Datalink statistics

-- Total of 1 flow:

Average throughput: 95.29 Mbit/s

95th percentile per-packet one-way delay: 43.281 ms

Loss rate: 0.07%

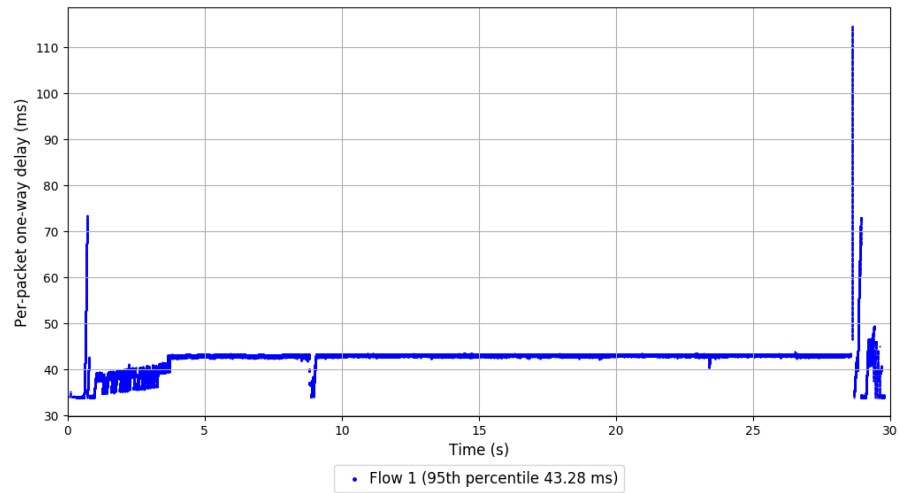
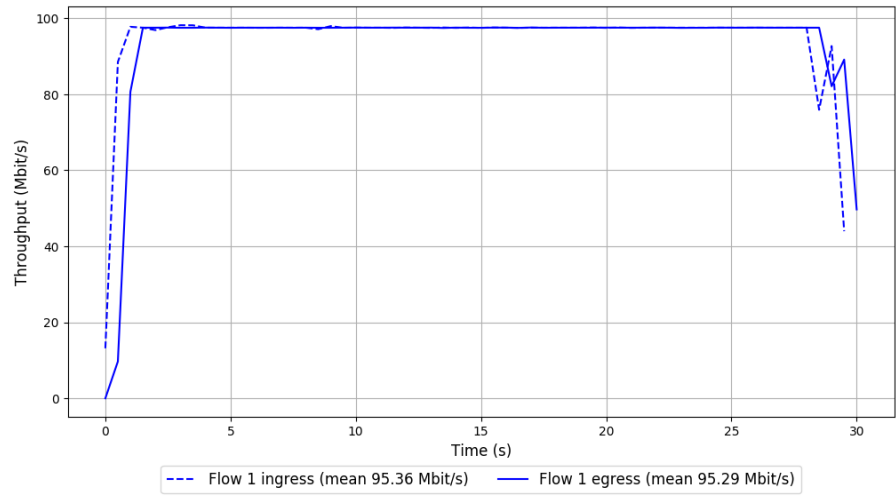
-- Flow 1:

Average throughput: 95.29 Mbit/s

95th percentile per-packet one-way delay: 43.281 ms

Loss rate: 0.07%

Run 5: Report of Muses_DecisionTreeH0 — Data Link



Run 1: Statistics of Muses_DecisionTreeR0

Start at: 2019-08-26 17:51:00

End at: 2019-08-26 17:51:30

Local clock offset: -4.404 ms

Remote clock offset: 3.814 ms

Below is generated by plot.py at 2019-08-26 20:14:04

Datalink statistics

-- Total of 1 flow:

Average throughput: 95.51 Mbit/s

95th percentile per-packet one-way delay: 43.208 ms

Loss rate: 0.07%

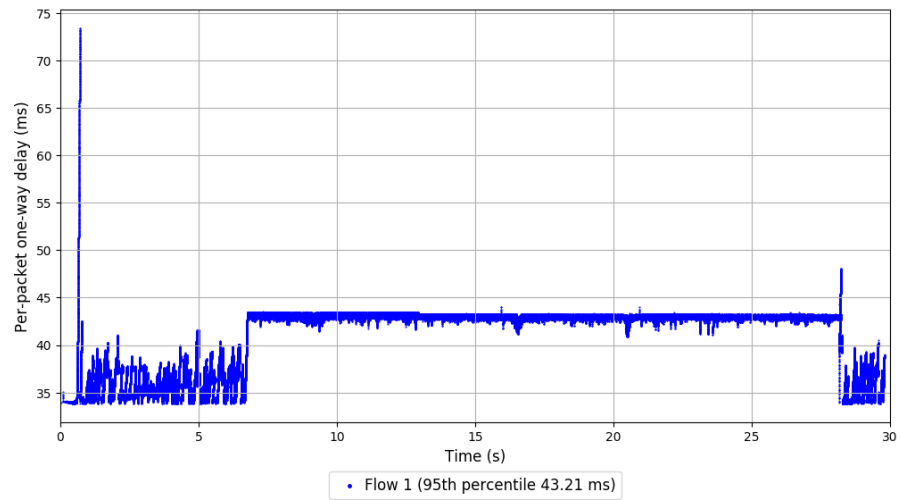
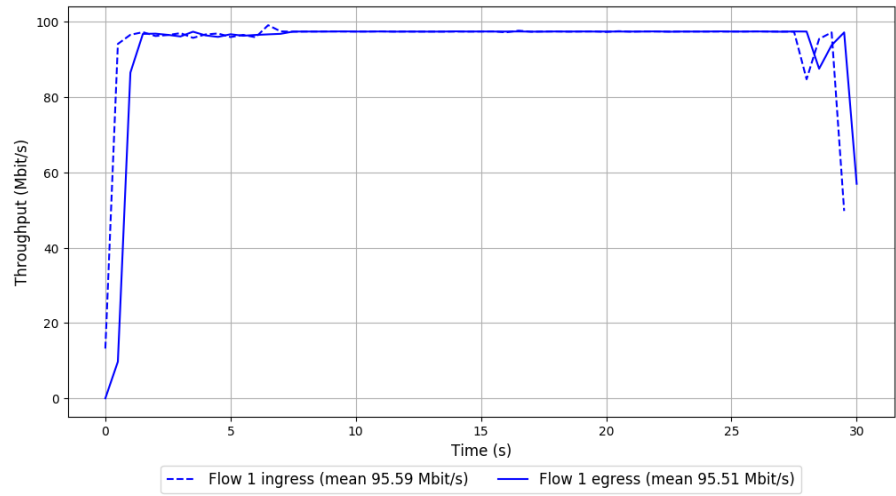
-- Flow 1:

Average throughput: 95.51 Mbit/s

95th percentile per-packet one-way delay: 43.208 ms

Loss rate: 0.07%

Run 1: Report of Muses_DecisionTreeR0 — Data Link



Run 2: Statistics of Muses_DecisionTreeR0

Start at: 2019-08-26 18:20:13

End at: 2019-08-26 18:20:43

Local clock offset: -4.788 ms

Remote clock offset: 2.944 ms

Below is generated by plot.py at 2019-08-26 20:14:05

Datalink statistics

-- Total of 1 flow:

Average throughput: 95.63 Mbit/s

95th percentile per-packet one-way delay: 41.251 ms

Loss rate: 0.08%

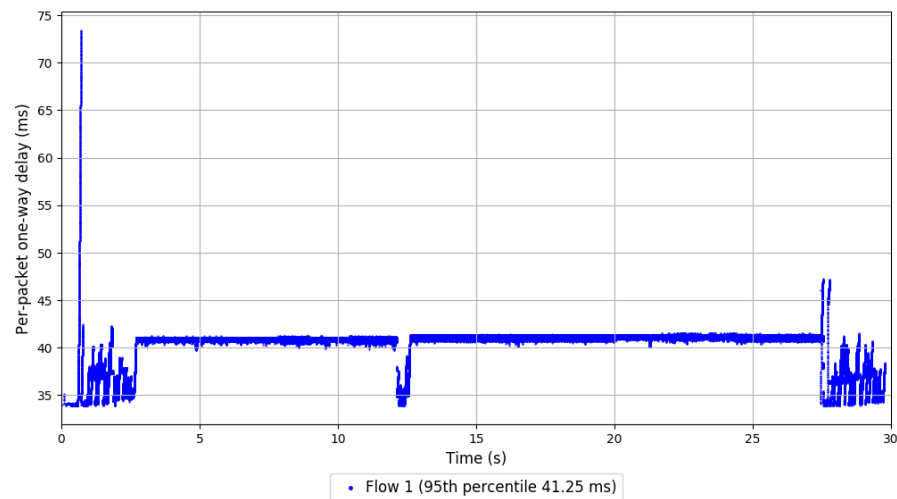
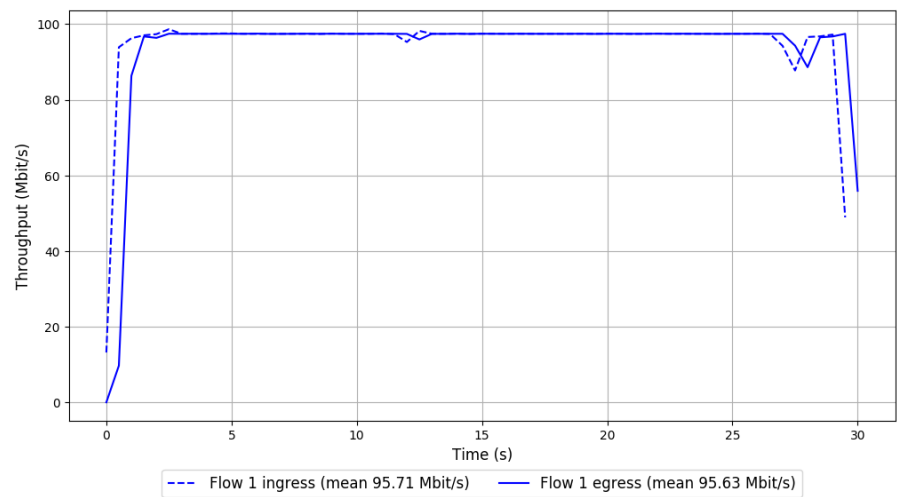
-- Flow 1:

Average throughput: 95.63 Mbit/s

95th percentile per-packet one-way delay: 41.251 ms

Loss rate: 0.08%

Run 2: Report of Muses_DecisionTreeR0 — Data Link



Run 3: Statistics of Muses_DecisionTreeR0

Start at: 2019-08-26 18:50:05

End at: 2019-08-26 18:50:35

Local clock offset: -4.585 ms

Remote clock offset: 5.289 ms

Below is generated by plot.py at 2019-08-26 20:14:06

Datalink statistics

-- Total of 1 flow:

Average throughput: 95.57 Mbit/s

95th percentile per-packet one-way delay: 41.434 ms

Loss rate: 0.08%

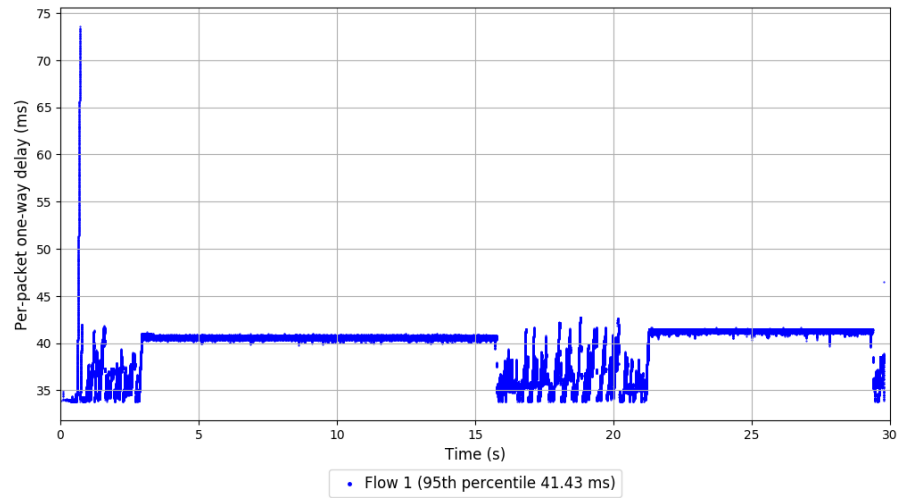
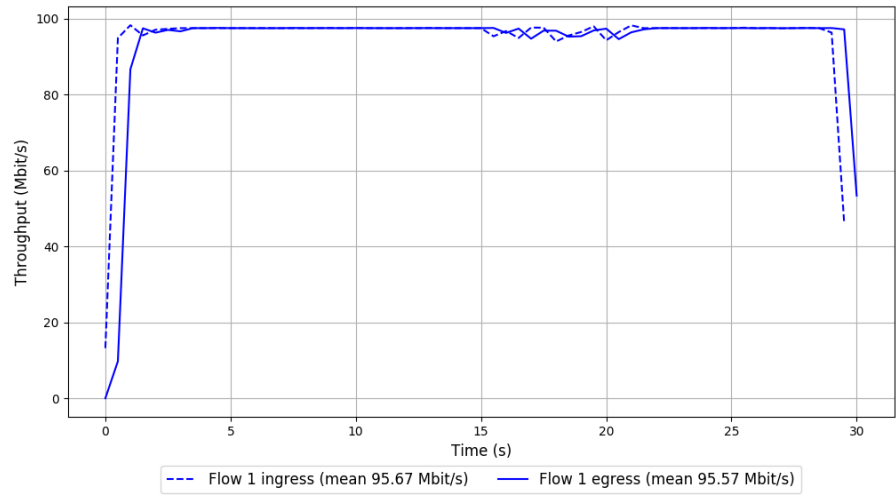
-- Flow 1:

Average throughput: 95.57 Mbit/s

95th percentile per-packet one-way delay: 41.434 ms

Loss rate: 0.08%

Run 3: Report of Muses_DecisionTreeR0 — Data Link



Run 4: Statistics of Muses_DecisionTreeR0

Start at: 2019-08-26 19:19:28

End at: 2019-08-26 19:19:58

Local clock offset: -5.191 ms

Remote clock offset: 5.933 ms

Below is generated by plot.py at 2019-08-26 20:14:07

Datalink statistics

-- Total of 1 flow:

Average throughput: 95.60 Mbit/s

95th percentile per-packet one-way delay: 41.675 ms

Loss rate: 0.02%

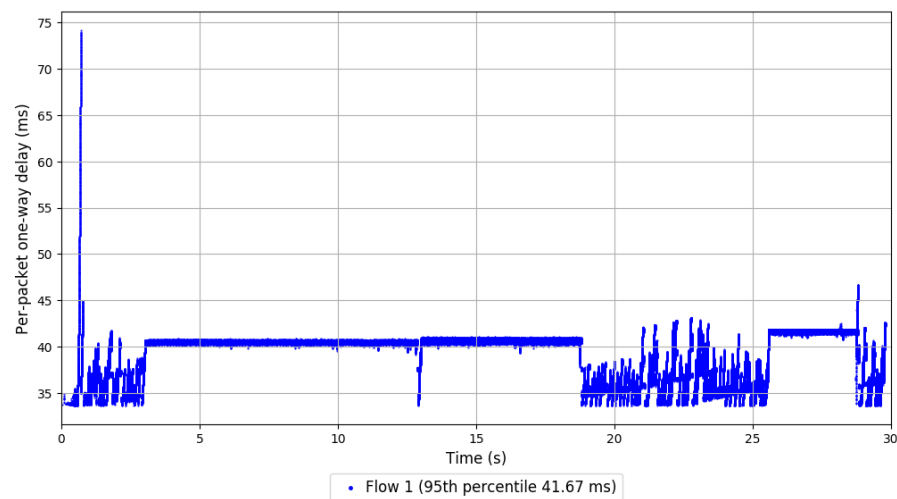
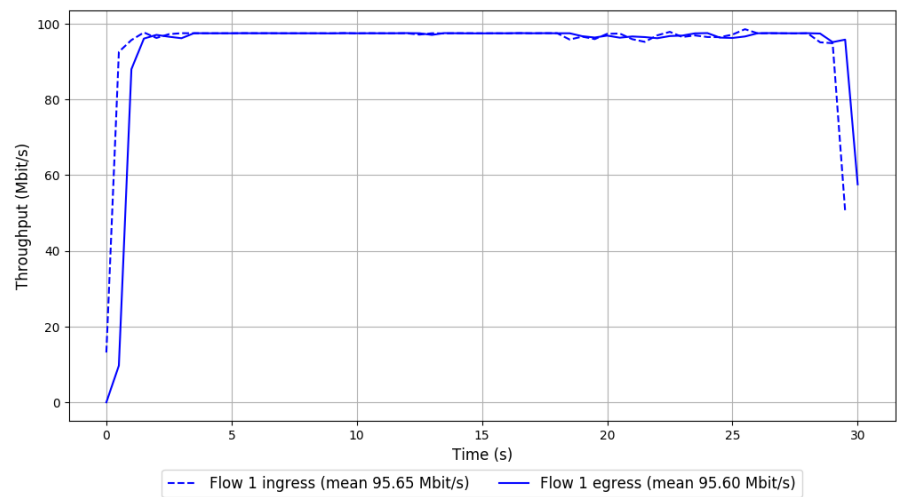
-- Flow 1:

Average throughput: 95.60 Mbit/s

95th percentile per-packet one-way delay: 41.675 ms

Loss rate: 0.02%

Run 4: Report of Muses_DecisionTreeR0 — Data Link



Run 5: Statistics of Muses_DecisionTreeR0

Start at: 2019-08-26 19:48:36

End at: 2019-08-26 19:49:06

Local clock offset: -5.989 ms

Remote clock offset: 5.853 ms

Below is generated by plot.py at 2019-08-26 20:14:46

Datalink statistics

-- Total of 1 flow:

Average throughput: 95.52 Mbit/s

95th percentile per-packet one-way delay: 41.485 ms

Loss rate: 0.07%

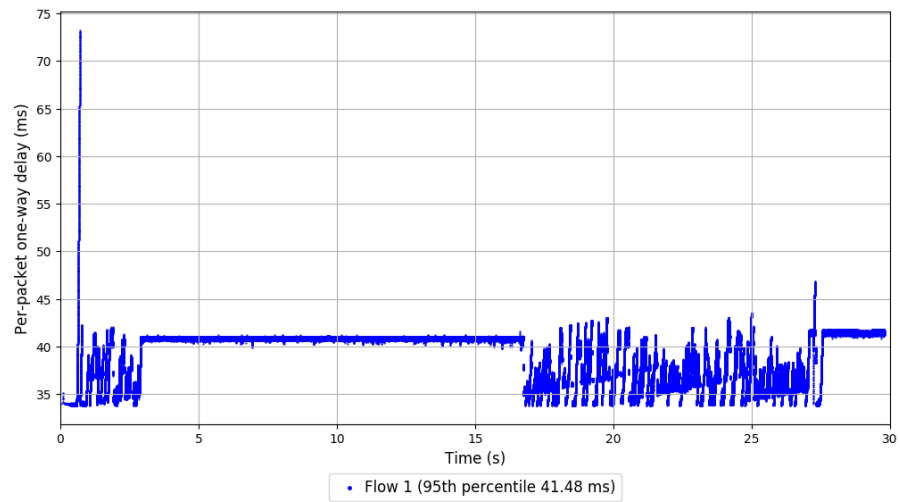
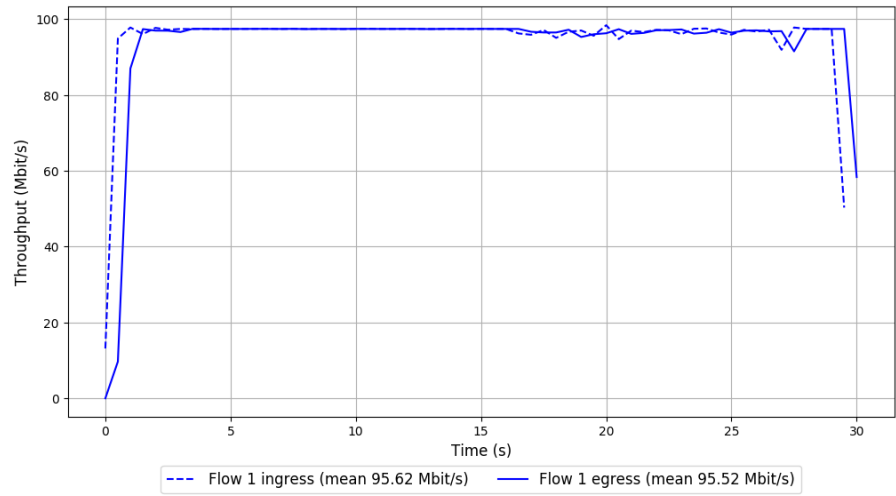
-- Flow 1:

Average throughput: 95.52 Mbit/s

95th percentile per-packet one-way delay: 41.485 ms

Loss rate: 0.07%

Run 5: Report of Muses_DecisionTreeR0 — Data Link

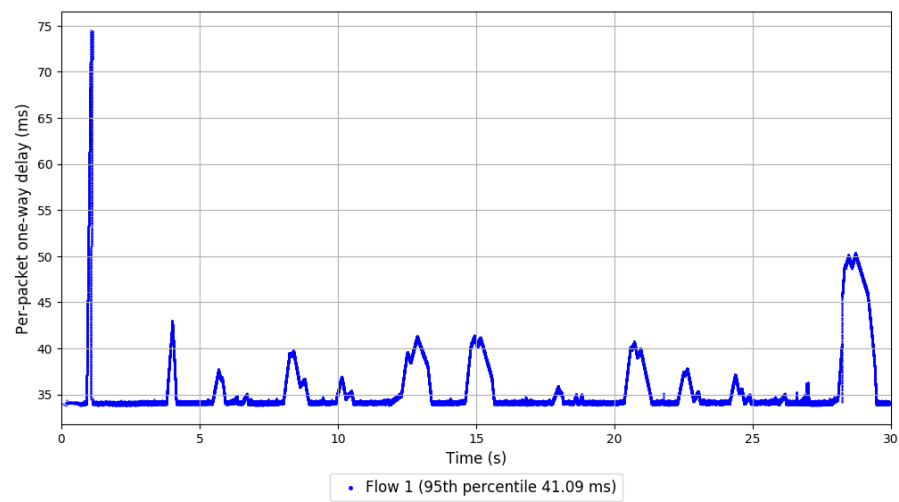
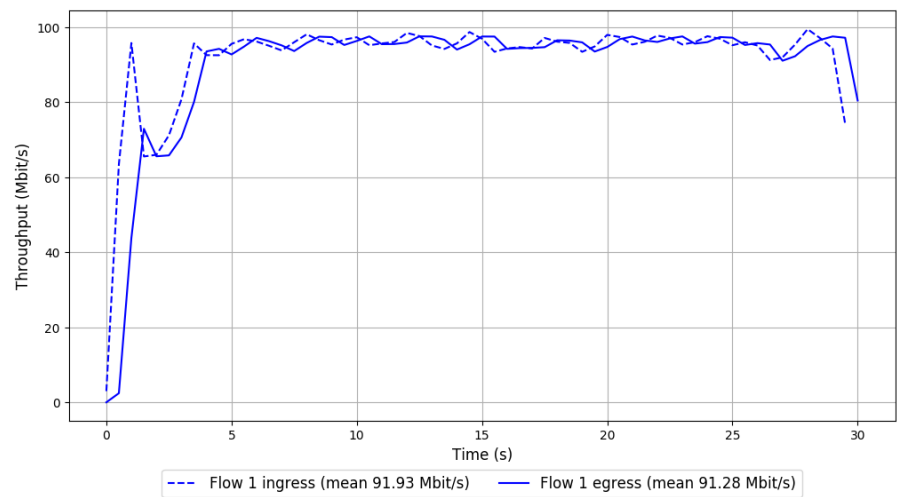


```
Run 1: Statistics of PCC-Allegro

Start at: 2019-08-26 17:43:34
End at: 2019-08-26 17:44:04
Local clock offset: -3.734 ms
Remote clock offset: 4.34 ms

# Below is generated by plot.py at 2019-08-26 20:14:48
# Datalink statistics
-- Total of 1 flow:
Average throughput: 91.28 Mbit/s
95th percentile per-packet one-way delay: 41.090 ms
Loss rate: 0.70%
-- Flow 1:
Average throughput: 91.28 Mbit/s
95th percentile per-packet one-way delay: 41.090 ms
Loss rate: 0.70%
```

Run 1: Report of PCC-Allegro — Data Link



Run 2: Statistics of PCC-Allegro

Start at: 2019-08-26 18:12:48

End at: 2019-08-26 18:13:18

Local clock offset: -4.997 ms

Remote clock offset: 2.975 ms

Below is generated by plot.py at 2019-08-26 20:15:14

Datalink statistics

-- Total of 1 flow:

Average throughput: 91.50 Mbit/s

95th percentile per-packet one-way delay: 39.771 ms

Loss rate: 0.69%

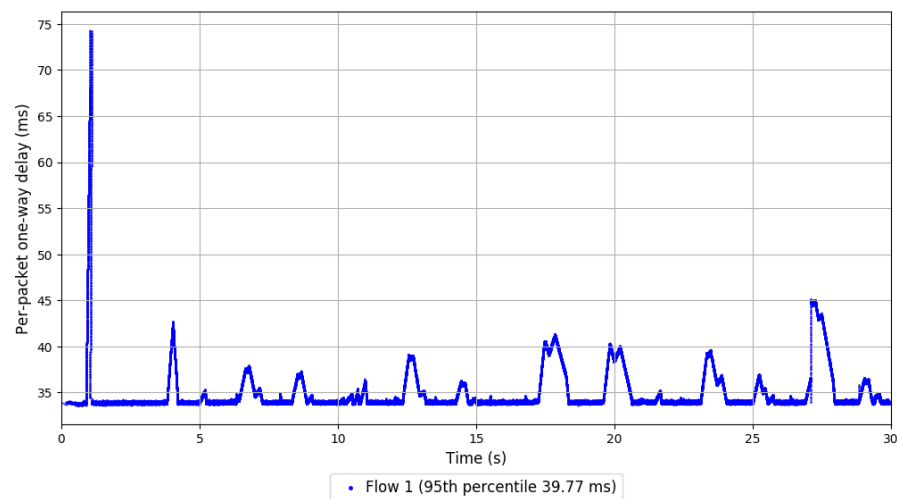
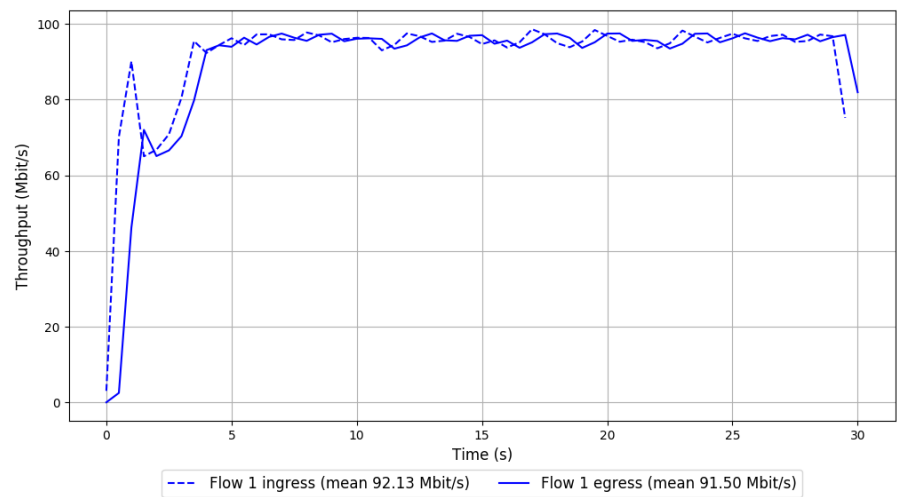
-- Flow 1:

Average throughput: 91.50 Mbit/s

95th percentile per-packet one-way delay: 39.771 ms

Loss rate: 0.69%

Run 2: Report of PCC-Allegro — Data Link



Run 3: Statistics of PCC-Allegro

Start at: 2019-08-26 18:42:39

End at: 2019-08-26 18:43:09

Local clock offset: -4.706 ms

Remote clock offset: 4.659 ms

Below is generated by plot.py at 2019-08-26 20:15:14

Datalink statistics

-- Total of 1 flow:

Average throughput: 90.78 Mbit/s

95th percentile per-packet one-way delay: 36.710 ms

Loss rate: 0.70%

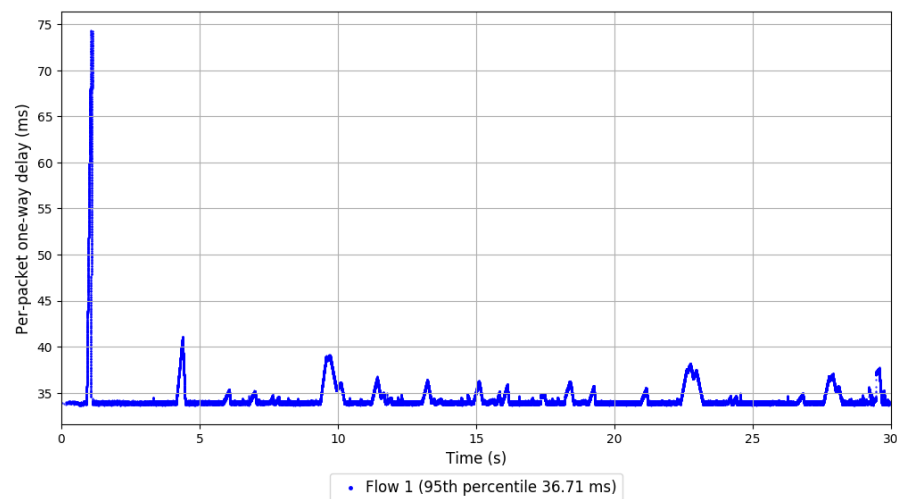
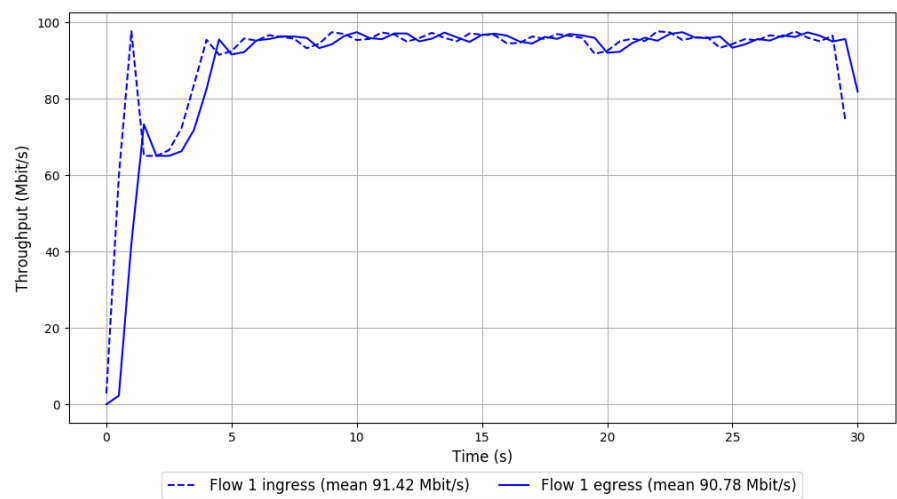
-- Flow 1:

Average throughput: 90.78 Mbit/s

95th percentile per-packet one-way delay: 36.710 ms

Loss rate: 0.70%

Run 3: Report of PCC-Allegro — Data Link



Run 4: Statistics of PCC-Allegro

Start at: 2019-08-26 19:12:06

End at: 2019-08-26 19:12:36

Local clock offset: -4.956 ms

Remote clock offset: 6.014 ms

Below is generated by plot.py at 2019-08-26 20:15:16

Datalink statistics

-- Total of 1 flow:

Average throughput: 90.85 Mbit/s

95th percentile per-packet one-way delay: 39.380 ms

Loss rate: 0.71%

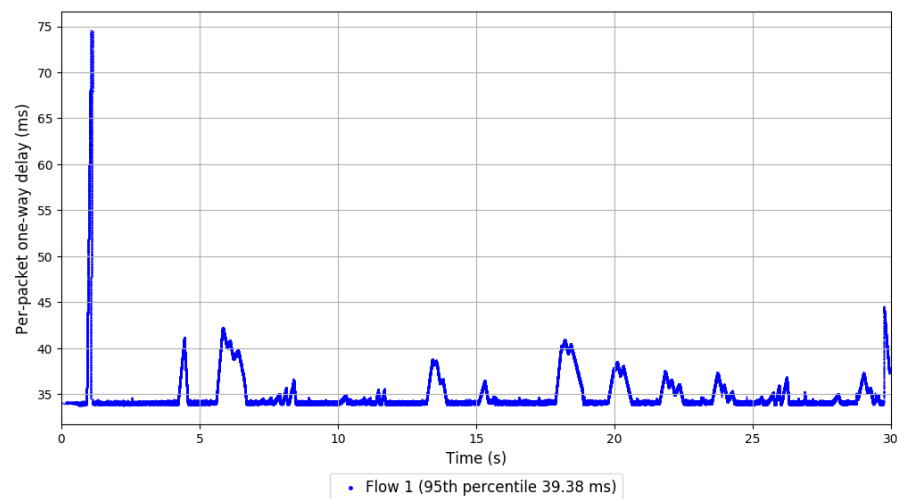
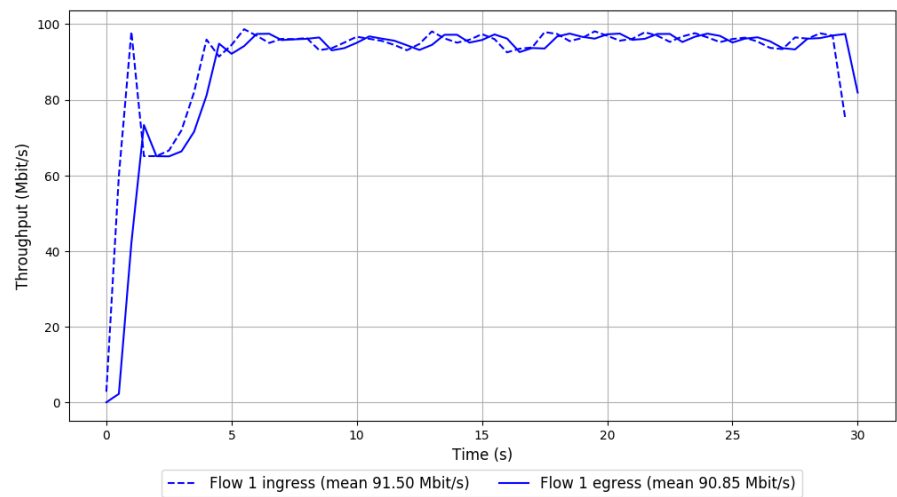
-- Flow 1:

Average throughput: 90.85 Mbit/s

95th percentile per-packet one-way delay: 39.380 ms

Loss rate: 0.71%

Run 4: Report of PCC-Allegro — Data Link



Run 5: Statistics of PCC-Allegro

Start at: 2019-08-26 19:41:09

End at: 2019-08-26 19:41:39

Local clock offset: -5.727 ms

Remote clock offset: 6.634 ms

Below is generated by plot.py at 2019-08-26 20:15:16

Datalink statistics

-- Total of 1 flow:

Average throughput: 90.68 Mbit/s

95th percentile per-packet one-way delay: 39.481 ms

Loss rate: 0.71%

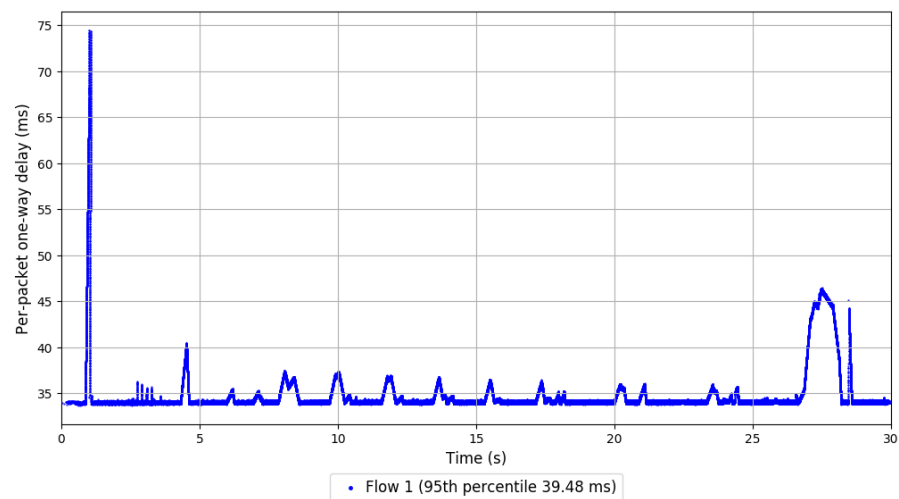
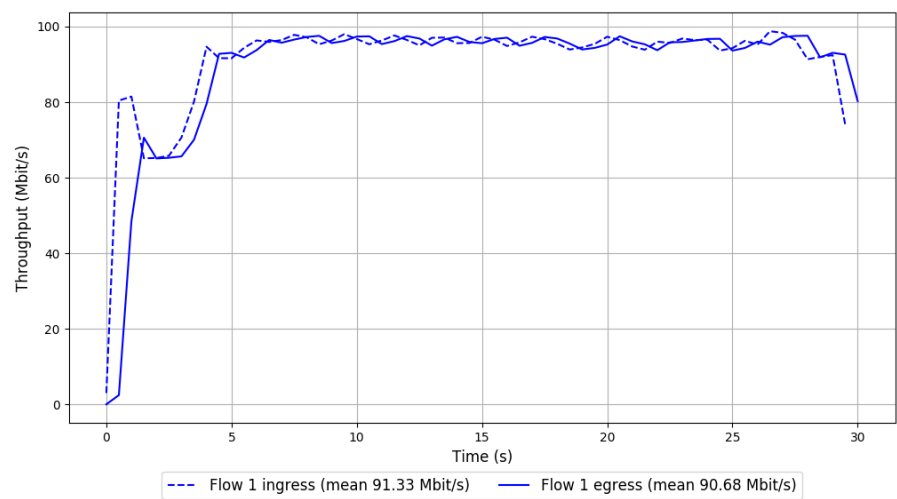
-- Flow 1:

Average throughput: 90.68 Mbit/s

95th percentile per-packet one-way delay: 39.481 ms

Loss rate: 0.71%

Run 5: Report of PCC-Allegro — Data Link

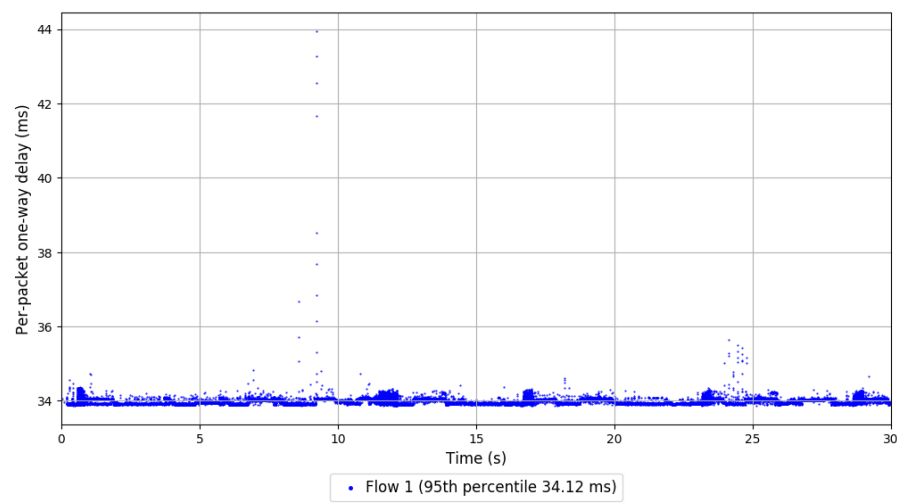
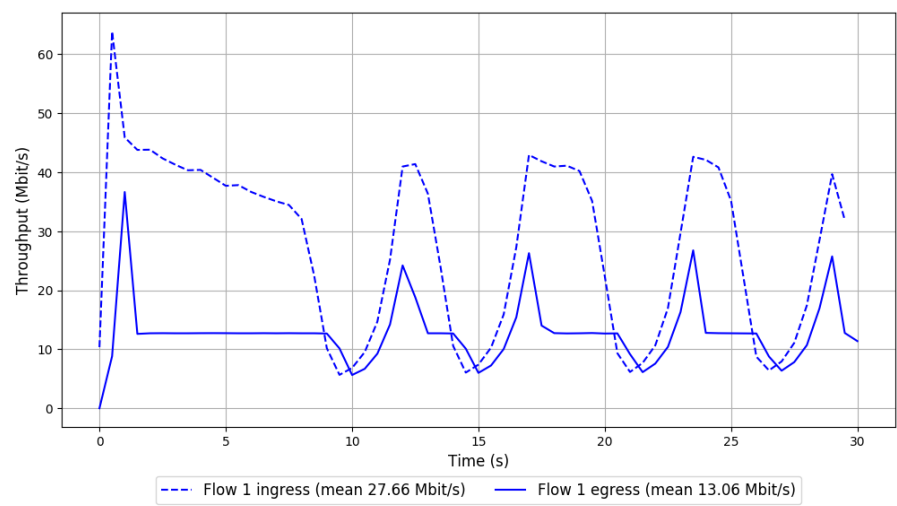


```
Run 1: Statistics of PCC-Expr

Start at: 2019-08-26 17:40:09
End at: 2019-08-26 17:40:39
Local clock offset: -3.482 ms
Remote clock offset: 4.474 ms

# Below is generated by plot.py at 2019-08-26 20:15:16
# Datalink statistics
-- Total of 1 flow:
Average throughput: 13.06 Mbit/s
95th percentile per-packet one-way delay: 34.120 ms
Loss rate: 52.79%
-- Flow 1:
Average throughput: 13.06 Mbit/s
95th percentile per-packet one-way delay: 34.120 ms
Loss rate: 52.79%
```

Run 1: Report of PCC-Expr — Data Link



Run 2: Statistics of PCC-Expr

Start at: 2019-08-26 18:09:22

End at: 2019-08-26 18:09:52

Local clock offset: -4.942 ms

Remote clock offset: 3.077 ms

Below is generated by plot.py at 2019-08-26 20:15:16

Datalink statistics

-- Total of 1 flow:

Average throughput: 12.80 Mbit/s

95th percentile per-packet one-way delay: 34.017 ms

Loss rate: 38.07%

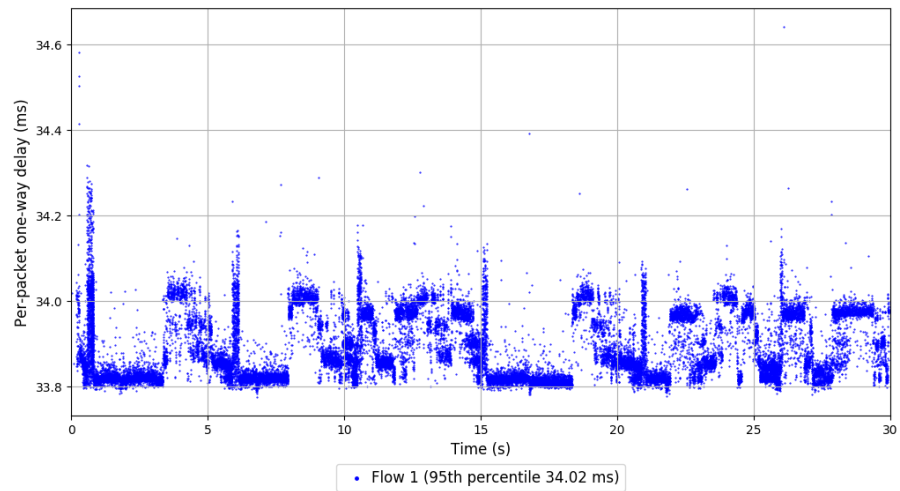
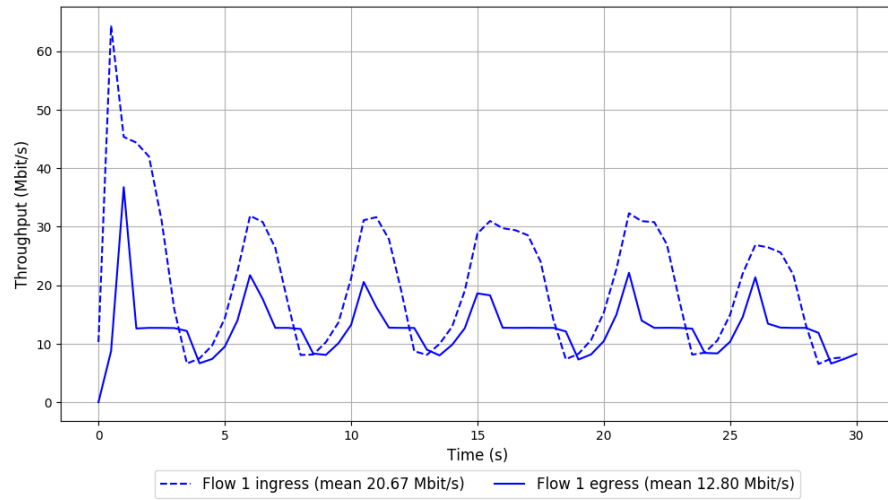
-- Flow 1:

Average throughput: 12.80 Mbit/s

95th percentile per-packet one-way delay: 34.017 ms

Loss rate: 38.07%

Run 2: Report of PCC-Expr — Data Link



Run 3: Statistics of PCC-Expr

Start at: 2019-08-26 18:38:58

End at: 2019-08-26 18:39:28

Local clock offset: -4.847 ms

Remote clock offset: 4.21 ms

Below is generated by plot.py at 2019-08-26 20:15:16

Datalink statistics

-- Total of 1 flow:

Average throughput: 12.76 Mbit/s

95th percentile per-packet one-way delay: 33.956 ms

Loss rate: 50.27%

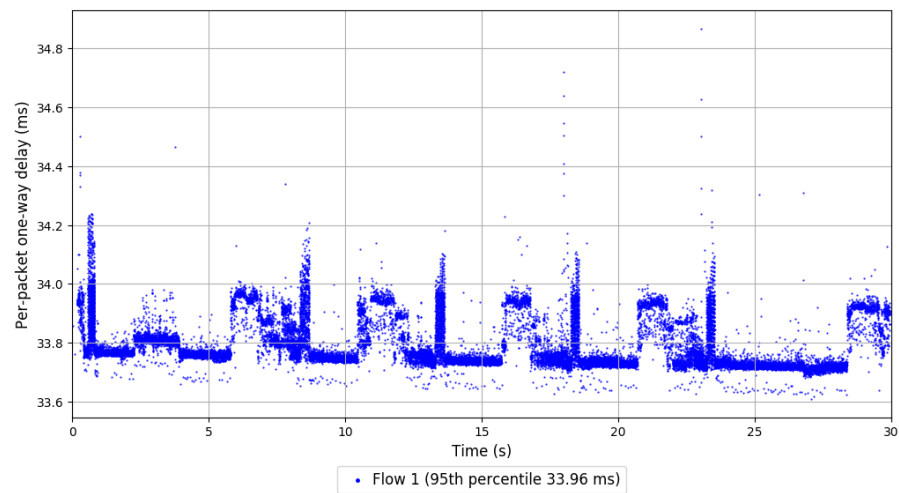
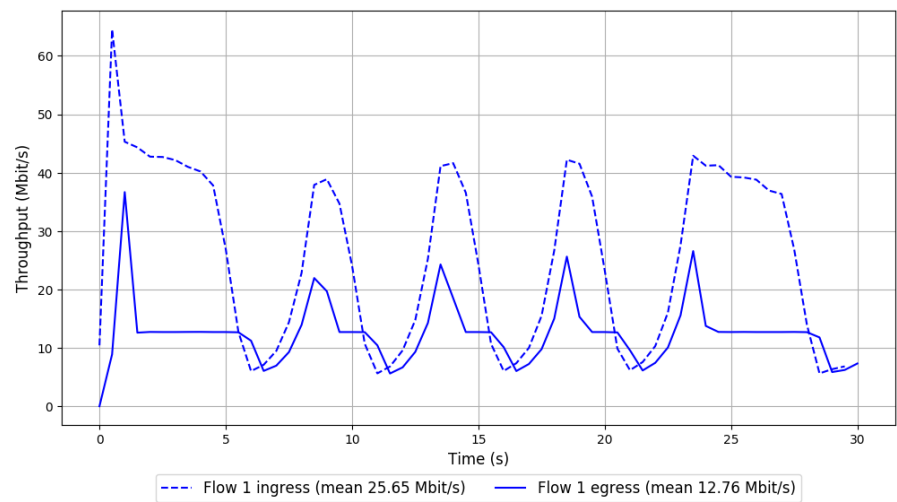
-- Flow 1:

Average throughput: 12.76 Mbit/s

95th percentile per-packet one-way delay: 33.956 ms

Loss rate: 50.27%

Run 3: Report of PCC-Expr — Data Link



Run 4: Statistics of PCC-Expr

Start at: 2019-08-26 19:08:32

End at: 2019-08-26 19:09:02

Local clock offset: -4.875 ms

Remote clock offset: 5.876 ms

Below is generated by plot.py at 2019-08-26 20:15:16

Datalink statistics

-- Total of 1 flow:

Average throughput: 13.06 Mbit/s

95th percentile per-packet one-way delay: 33.930 ms

Loss rate: 40.84%

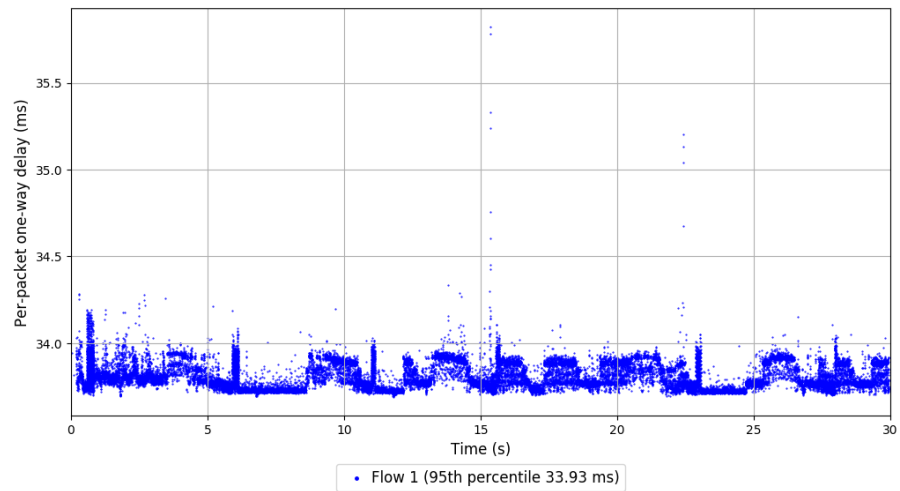
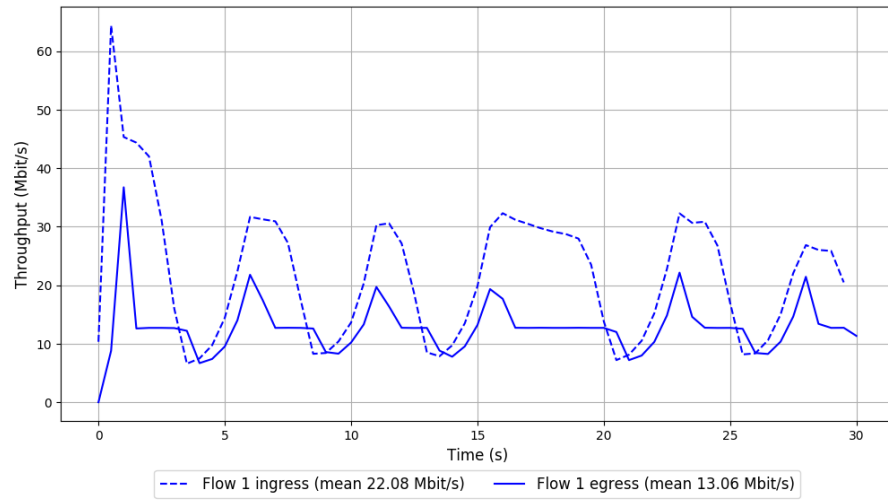
-- Flow 1:

Average throughput: 13.06 Mbit/s

95th percentile per-packet one-way delay: 33.930 ms

Loss rate: 40.84%

Run 4: Report of PCC-Expr — Data Link



Run 5: Statistics of PCC-Expr

Start at: 2019-08-26 19:37:41

End at: 2019-08-26 19:38:11

Local clock offset: -5.611 ms

Remote clock offset: 6.563 ms

Below is generated by plot.py at 2019-08-26 20:15:16

Datalink statistics

-- Total of 1 flow:

Average throughput: 13.06 Mbit/s

95th percentile per-packet one-way delay: 34.040 ms

Loss rate: 46.64%

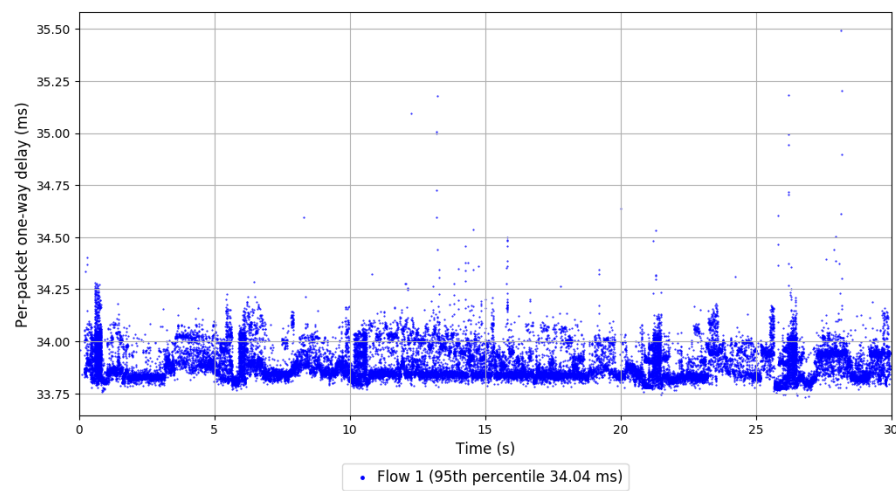
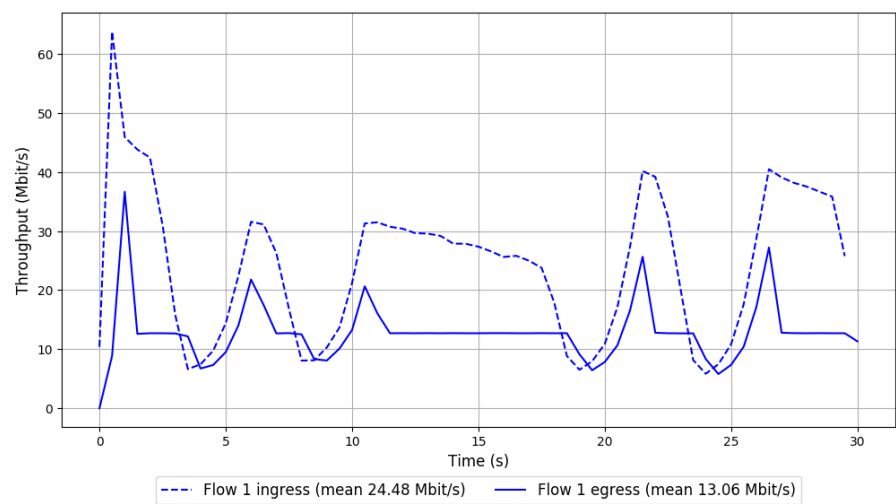
-- Flow 1:

Average throughput: 13.06 Mbit/s

95th percentile per-packet one-way delay: 34.040 ms

Loss rate: 46.64%

Run 5: Report of PCC-Expr — Data Link



Run 1: Statistics of QUIC Cubic

Start at: 2019-08-26 17:52:15

End at: 2019-08-26 17:52:45

Local clock offset: -4.564 ms

Remote clock offset: 3.799 ms

Below is generated by plot.py at 2019-08-26 20:15:52

Datalink statistics

-- Total of 1 flow:

Average throughput: 85.89 Mbit/s

95th percentile per-packet one-way delay: 71.092 ms

Loss rate: 1.10%

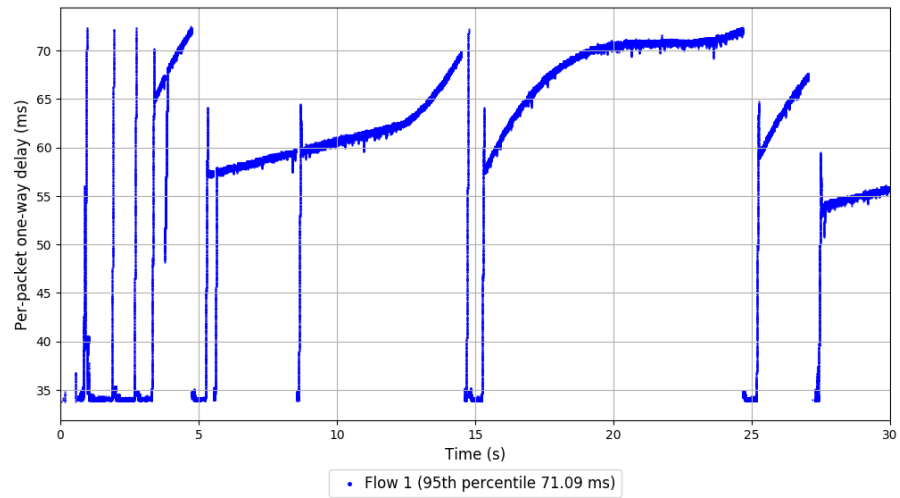
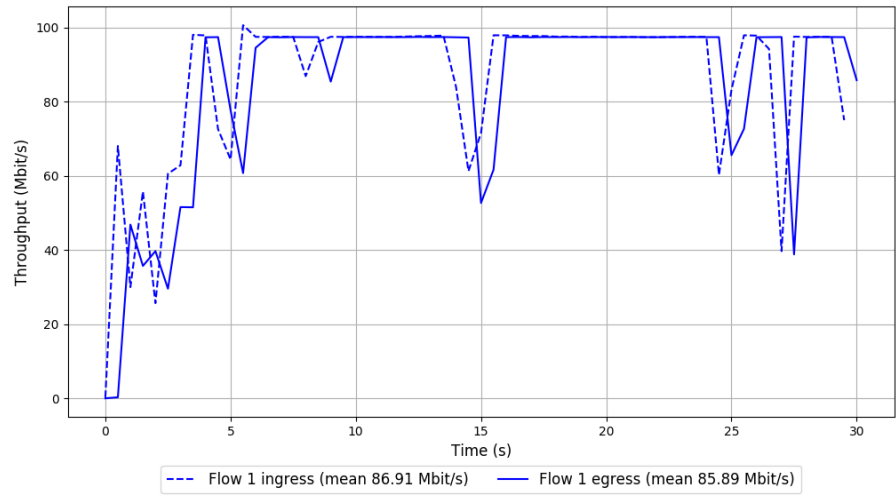
-- Flow 1:

Average throughput: 85.89 Mbit/s

95th percentile per-packet one-way delay: 71.092 ms

Loss rate: 1.10%

Run 1: Report of QUIC Cubic — Data Link



Run 2: Statistics of QUIC Cubic

Start at: 2019-08-26 18:21:28

End at: 2019-08-26 18:21:58

Local clock offset: -4.739 ms

Remote clock offset: 2.939 ms

Below is generated by plot.py at 2019-08-26 20:15:59

Datalink statistics

-- Total of 1 flow:

Average throughput: 80.41 Mbit/s

95th percentile per-packet one-way delay: 70.922 ms

Loss rate: 1.90%

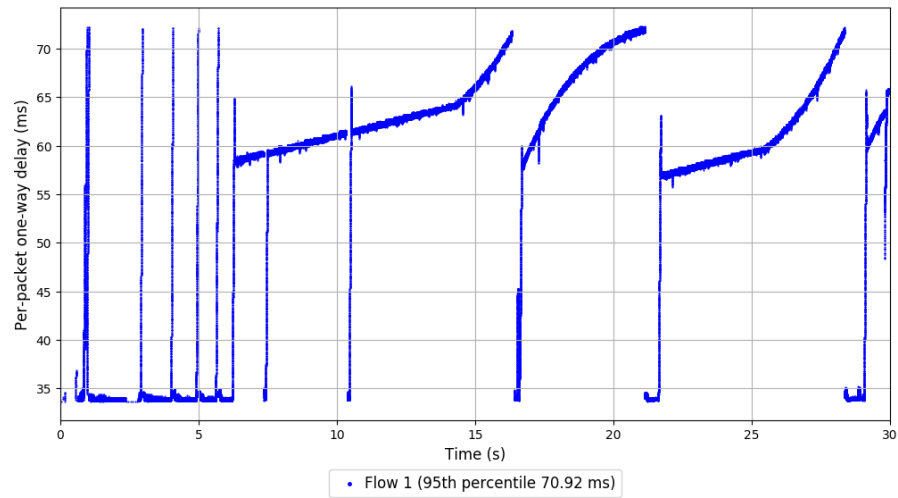
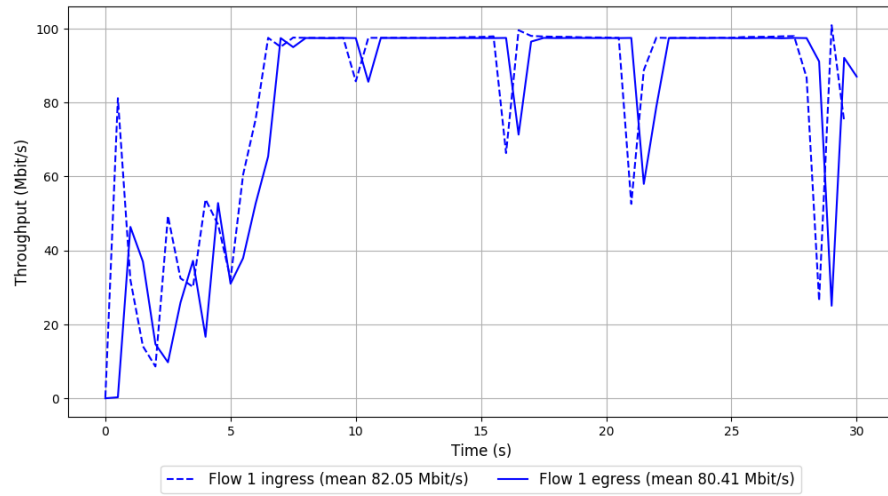
-- Flow 1:

Average throughput: 80.41 Mbit/s

95th percentile per-packet one-way delay: 70.922 ms

Loss rate: 1.90%

Run 2: Report of QUIC Cubic — Data Link



Run 3: Statistics of QUIC Cubic

Start at: 2019-08-26 18:51:24

End at: 2019-08-26 18:51:54

Local clock offset: -4.582 ms

Remote clock offset: 5.291 ms

Below is generated by plot.py at 2019-08-26 20:16:03

Datalink statistics

-- Total of 1 flow:

Average throughput: 79.37 Mbit/s

95th percentile per-packet one-way delay: 70.670 ms

Loss rate: 1.91%

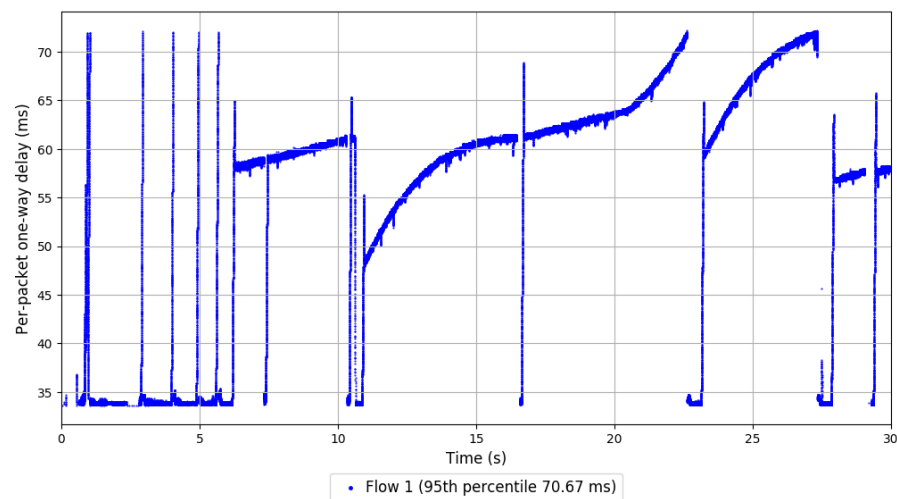
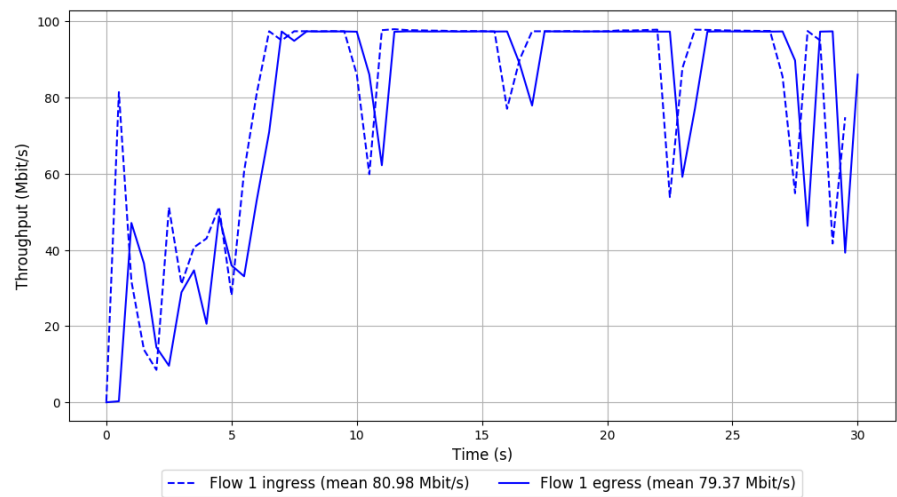
-- Flow 1:

Average throughput: 79.37 Mbit/s

95th percentile per-packet one-way delay: 70.670 ms

Loss rate: 1.91%

Run 3: Report of QUIC Cubic — Data Link



Run 4: Statistics of QUIC Cubic

Start at: 2019-08-26 19:20:48

End at: 2019-08-26 19:21:18

Local clock offset: -5.241 ms

Remote clock offset: 5.95 ms

Below is generated by plot.py at 2019-08-26 20:16:06

Datalink statistics

-- Total of 1 flow:

Average throughput: 80.41 Mbit/s

95th percentile per-packet one-way delay: 69.912 ms

Loss rate: 1.76%

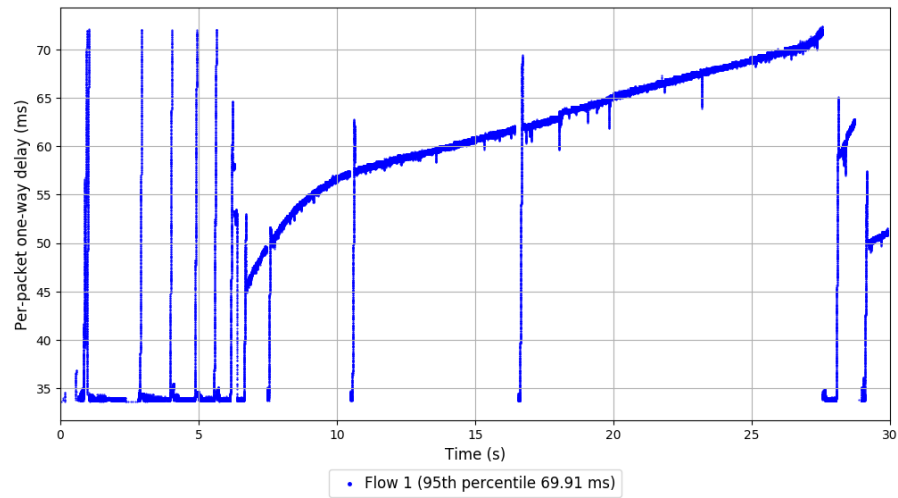
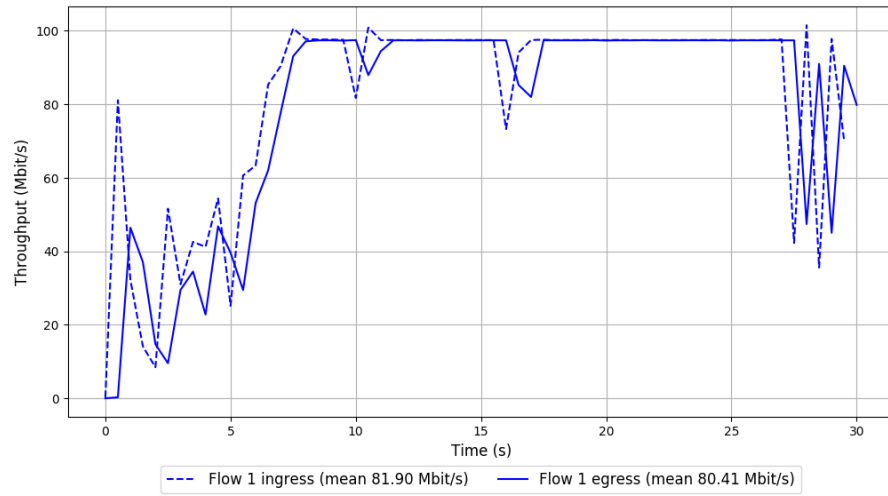
-- Flow 1:

Average throughput: 80.41 Mbit/s

95th percentile per-packet one-way delay: 69.912 ms

Loss rate: 1.76%

Run 4: Report of QUIC Cubic — Data Link



Run 5: Statistics of QUIC Cubic

Start at: 2019-08-26 19:49:51

End at: 2019-08-26 19:50:21

Local clock offset: -6.012 ms

Remote clock offset: 5.837 ms

Below is generated by plot.py at 2019-08-26 20:16:24

Datalink statistics

-- Total of 1 flow:

Average throughput: 80.07 Mbit/s

95th percentile per-packet one-way delay: 71.094 ms

Loss rate: 1.77%

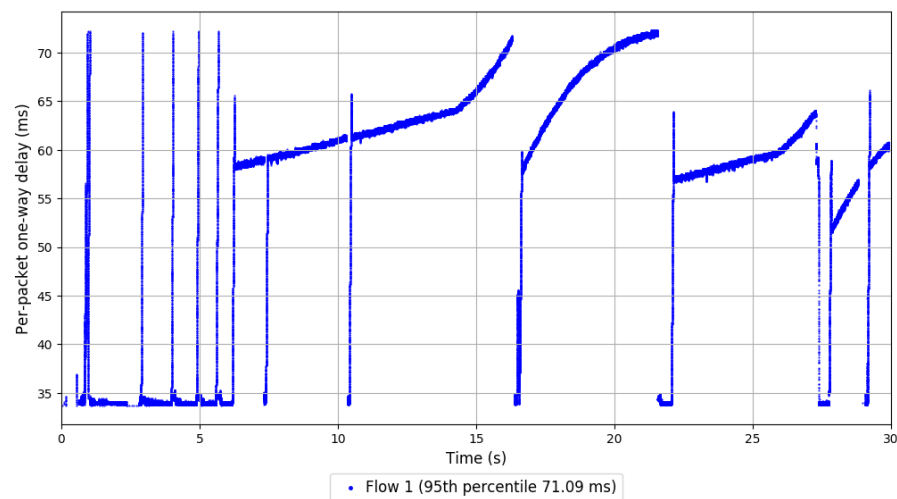
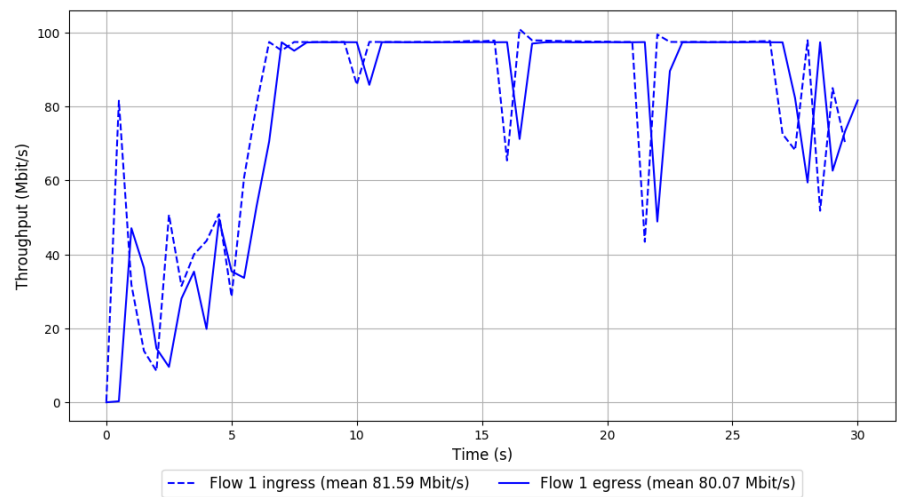
-- Flow 1:

Average throughput: 80.07 Mbit/s

95th percentile per-packet one-way delay: 71.094 ms

Loss rate: 1.77%

Run 5: Report of QUIC Cubic — Data Link



Run 1: Statistics of SCReAM

Start at: 2019-08-26 17:36:46

End at: 2019-08-26 17:37:16

Local clock offset: -3.244 ms

Remote clock offset: 4.727 ms

Below is generated by plot.py at 2019-08-26 20:16:24

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 34.045 ms

Loss rate: 0.00%

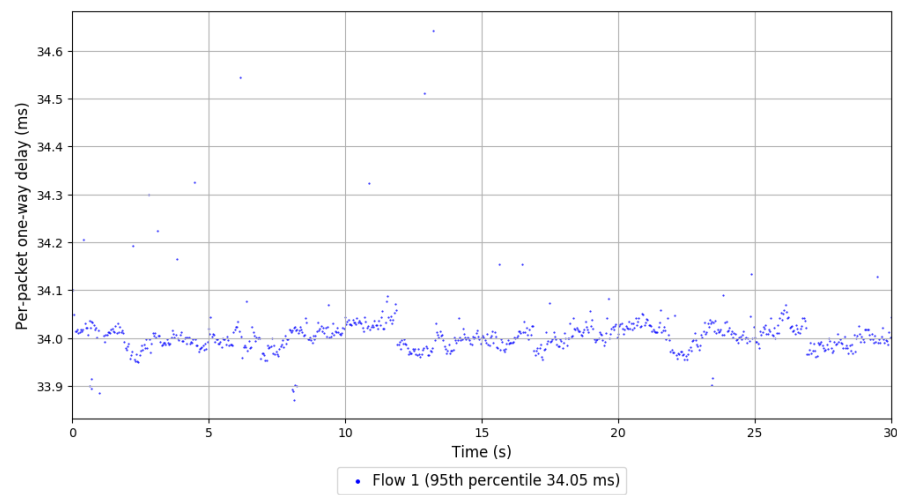
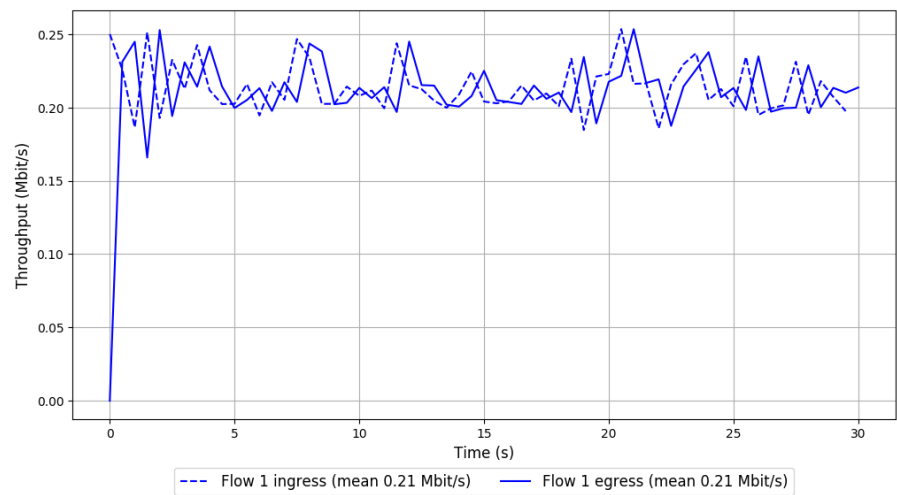
-- Flow 1:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 34.045 ms

Loss rate: 0.00%

Run 1: Report of SReAM — Data Link



Run 2: Statistics of SCReAM

Start at: 2019-08-26 18:05:57

End at: 2019-08-26 18:06:27

Local clock offset: -4.883 ms

Remote clock offset: 3.171 ms

Below is generated by plot.py at 2019-08-26 20:16:24

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 34.083 ms

Loss rate: 0.00%

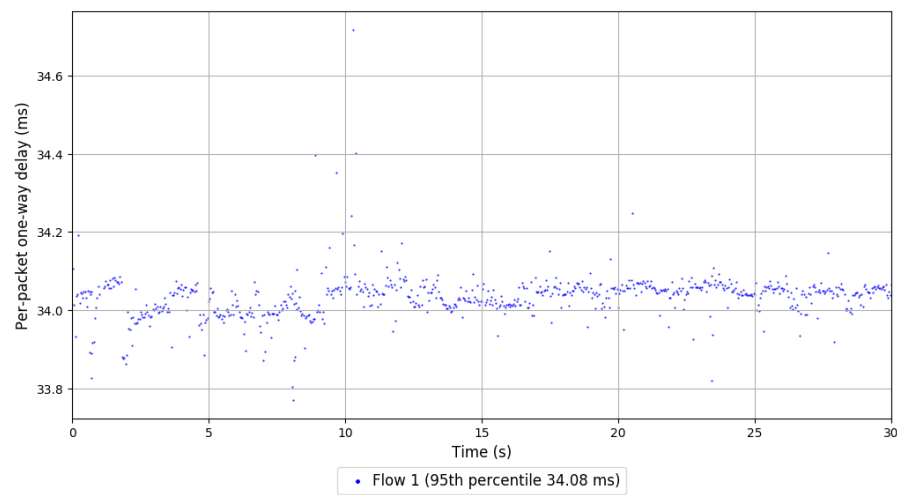
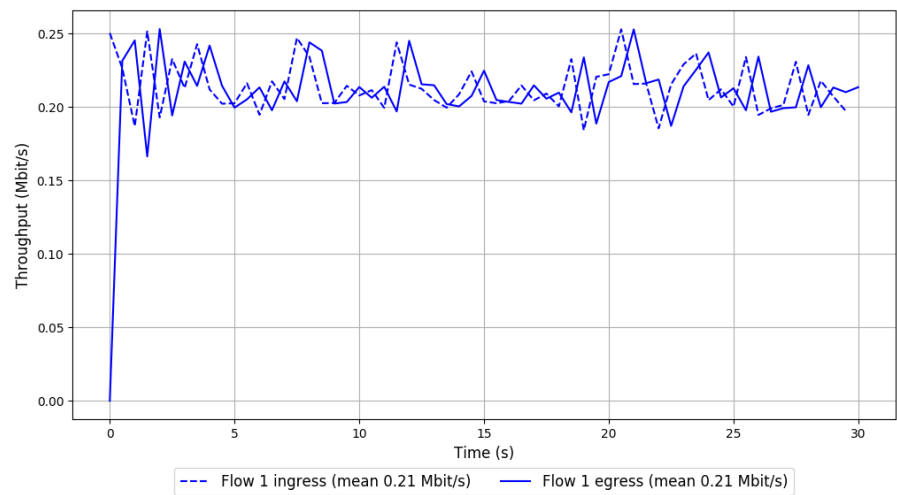
-- Flow 1:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 34.083 ms

Loss rate: 0.00%

Run 2: Report of SReAM — Data Link



Run 3: Statistics of SReAM

Start at: 2019-08-26 18:35:27

End at: 2019-08-26 18:35:57

Local clock offset: -4.766 ms

Remote clock offset: 3.603 ms

Below is generated by plot.py at 2019-08-26 20:16:24

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 33.978 ms

Loss rate: 0.00%

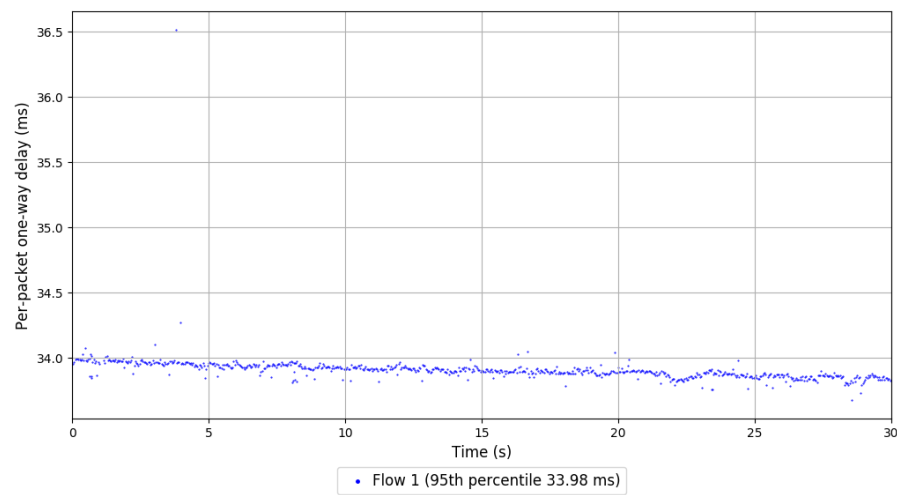
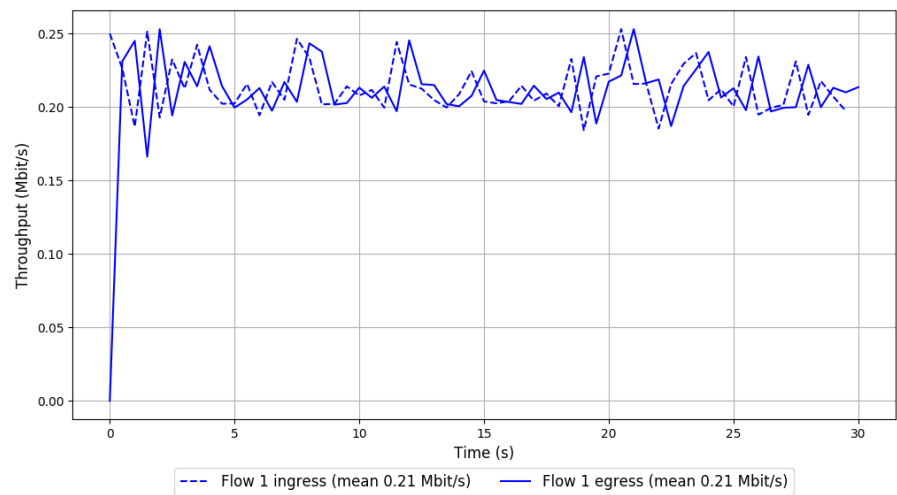
-- Flow 1:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 33.978 ms

Loss rate: 0.00%

Run 3: Report of SReAM — Data Link



Run 4: Statistics of SCReAM

Start at: 2019-08-26 19:05:03

End at: 2019-08-26 19:05:33

Local clock offset: -4.781 ms

Remote clock offset: 5.946 ms

Below is generated by plot.py at 2019-08-26 20:16:24

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 34.018 ms

Loss rate: 0.00%

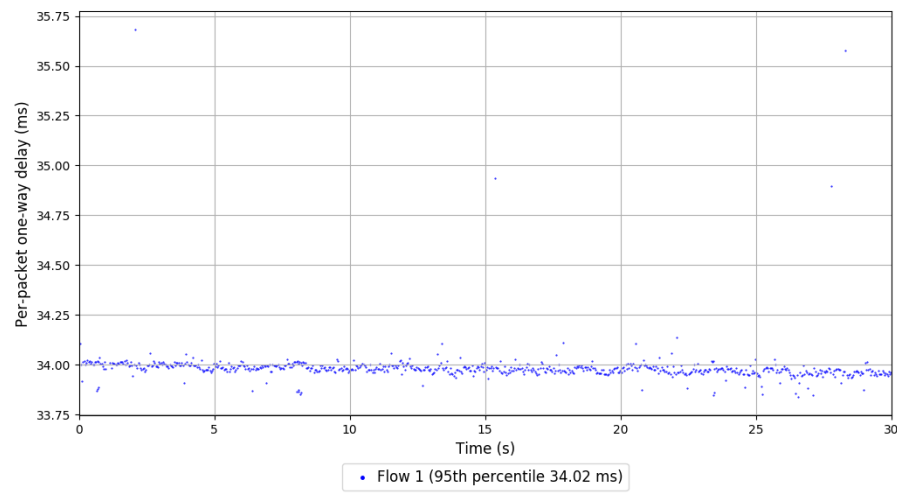
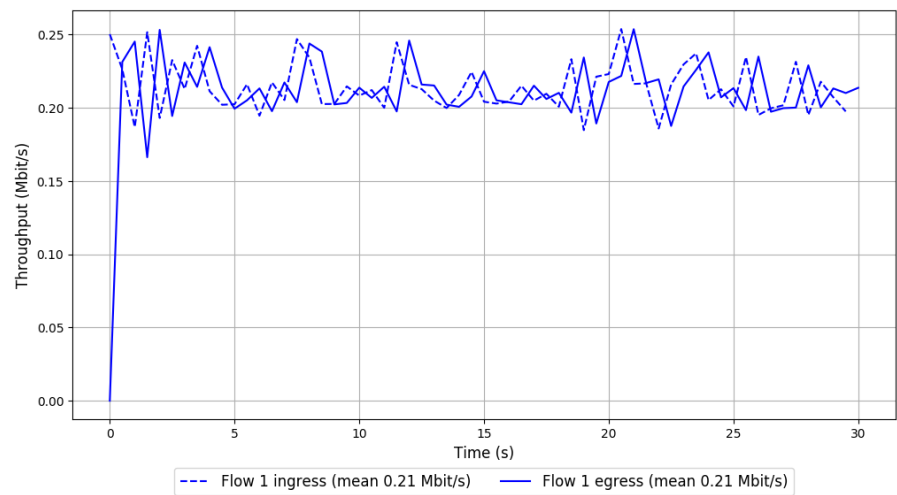
-- Flow 1:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 34.018 ms

Loss rate: 0.00%

Run 4: Report of SCReAM — Data Link



Run 5: Statistics of SCReAM

Start at: 2019-08-26 19:34:10

End at: 2019-08-26 19:34:40

Local clock offset: -5.534 ms

Remote clock offset: 6.405 ms

Below is generated by plot.py at 2019-08-26 20:16:24

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 33.910 ms

Loss rate: 0.00%

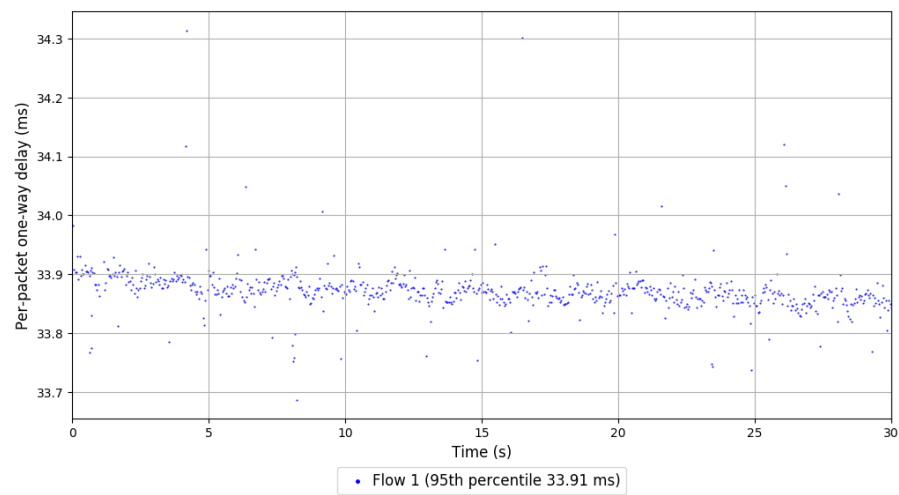
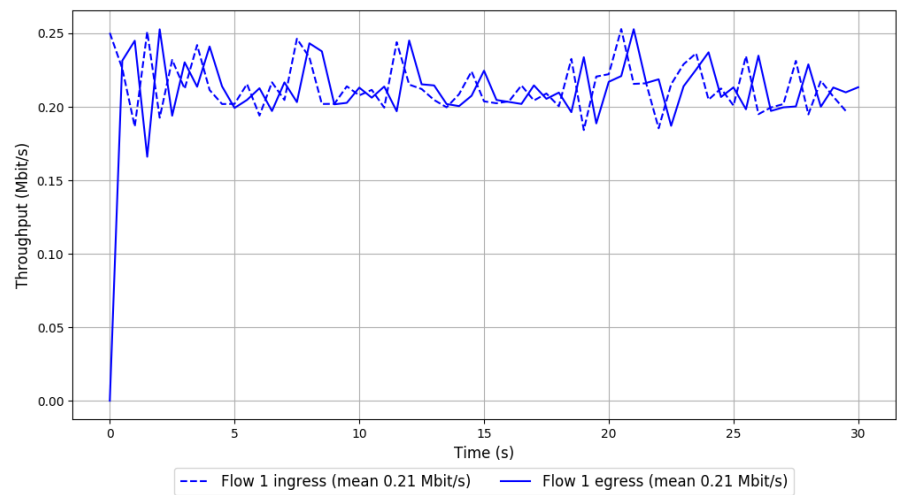
-- Flow 1:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 33.910 ms

Loss rate: 0.00%

Run 5: Report of SReAM — Data Link



Run 1: Statistics of Sprout

Start at: 2019-08-26 17:53:28

End at: 2019-08-26 17:53:59

Local clock offset: -4.69 ms

Remote clock offset: 3.705 ms

Below is generated by plot.py at 2019-08-26 20:16:24

Datalink statistics

-- Total of 1 flow:

Average throughput: 11.87 Mbit/s

95th percentile per-packet one-way delay: 39.917 ms

Loss rate: 0.00%

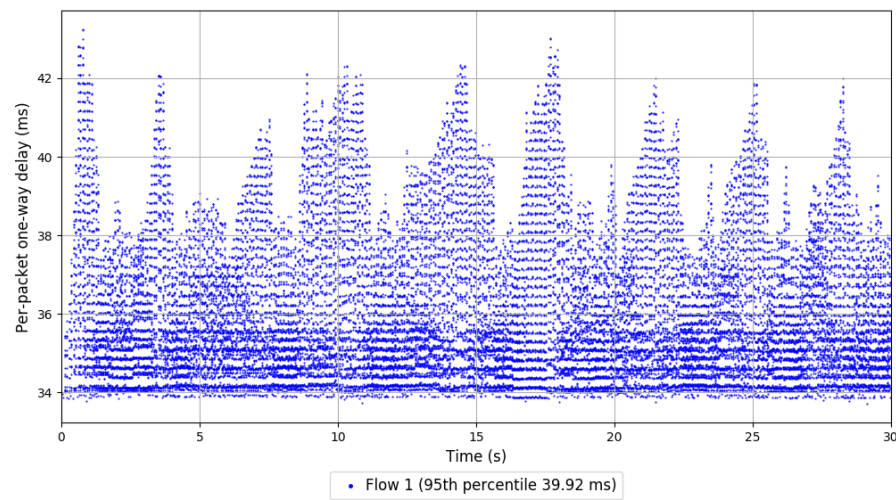
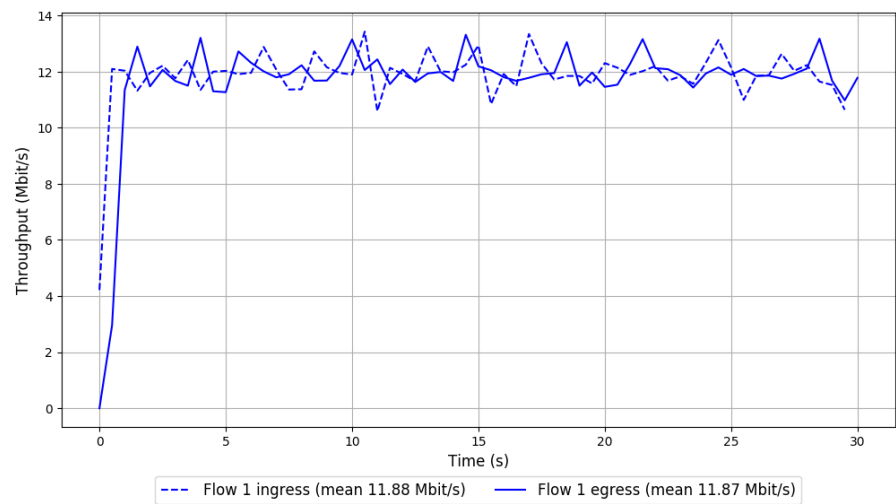
-- Flow 1:

Average throughput: 11.87 Mbit/s

95th percentile per-packet one-way delay: 39.917 ms

Loss rate: 0.00%

Run 1: Report of Sprout — Data Link

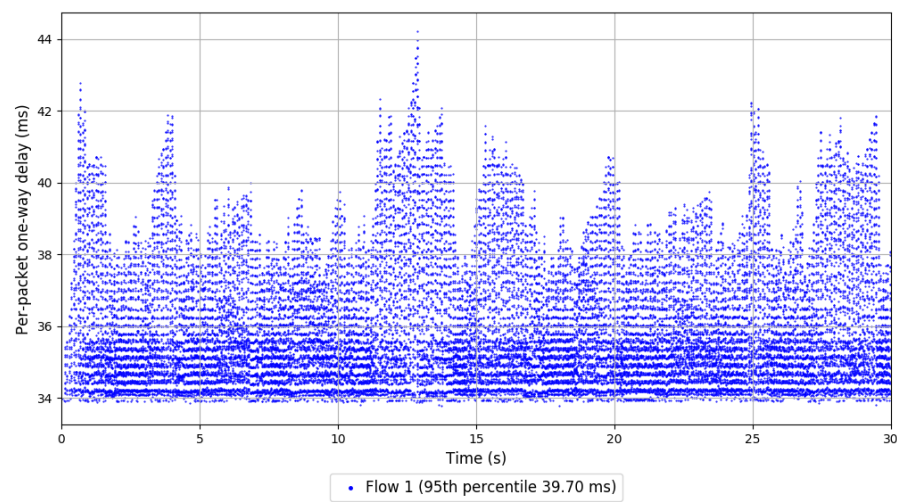
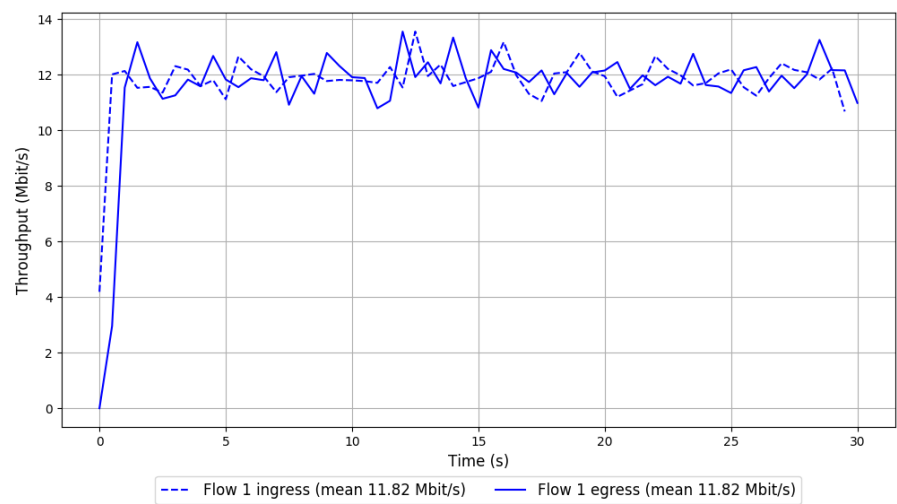


Run 2: Statistics of Sprout

Start at: 2019-08-26 18:22:44
End at: 2019-08-26 18:23:14
Local clock offset: -4.741 ms
Remote clock offset: 2.917 ms

Below is generated by plot.py at 2019-08-26 20:16:24
Datalink statistics
-- Total of 1 flow:
Average throughput: 11.82 Mbit/s
95th percentile per-packet one-way delay: 39.705 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 11.82 Mbit/s
95th percentile per-packet one-way delay: 39.705 ms
Loss rate: 0.00%

Run 2: Report of Sprout — Data Link

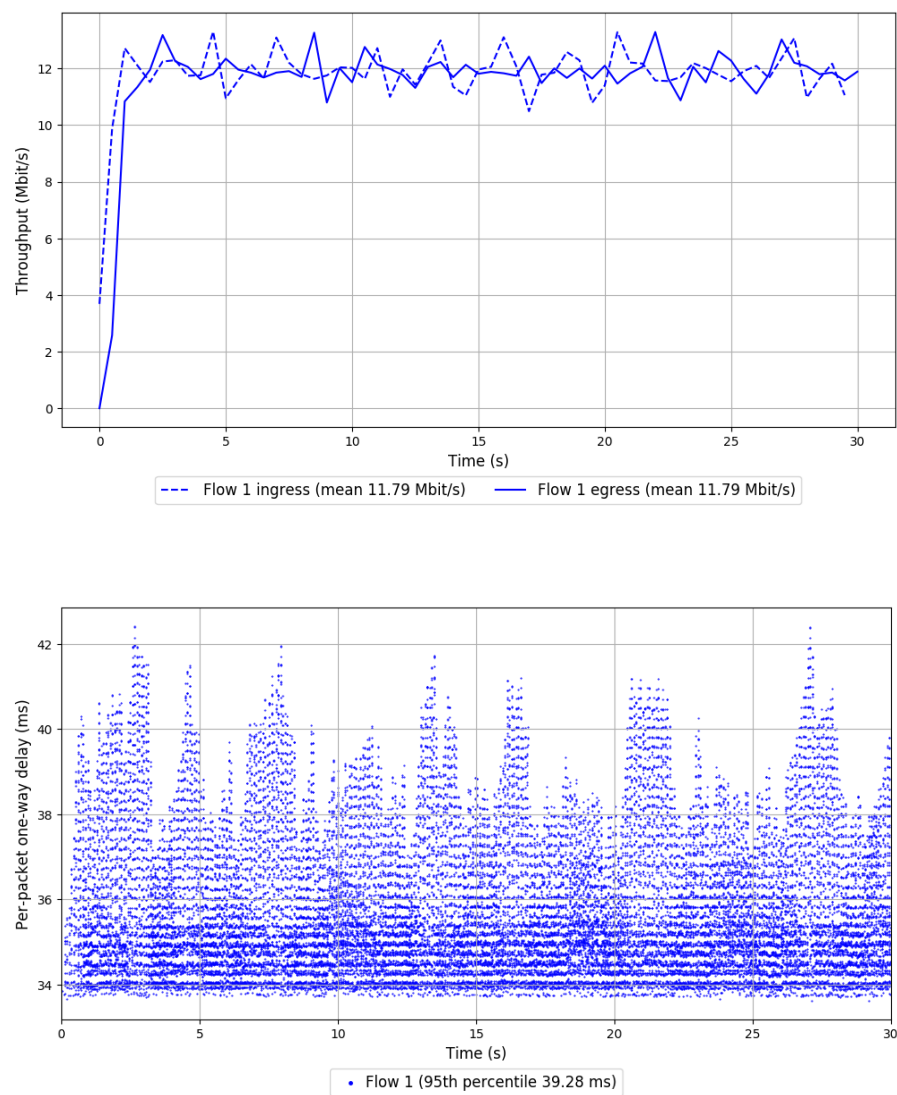


Run 3: Statistics of Sprout

Start at: 2019-08-26 18:52:40
End at: 2019-08-26 18:53:11
Local clock offset: -4.585 ms
Remote clock offset: 5.311 ms

Below is generated by plot.py at 2019-08-26 20:16:24
Datalink statistics
-- Total of 1 flow:
Average throughput: 11.79 Mbit/s
95th percentile per-packet one-way delay: 39.280 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 11.79 Mbit/s
95th percentile per-packet one-way delay: 39.280 ms
Loss rate: 0.00%

Run 3: Report of Sprout — Data Link

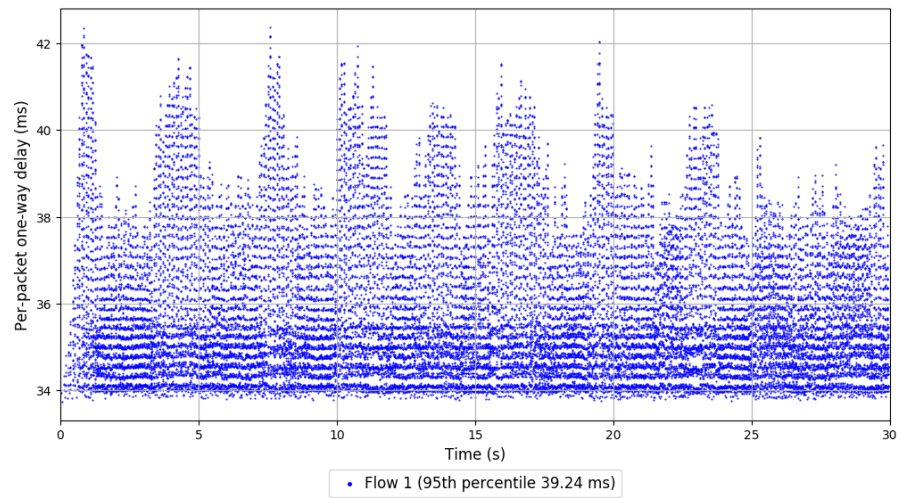
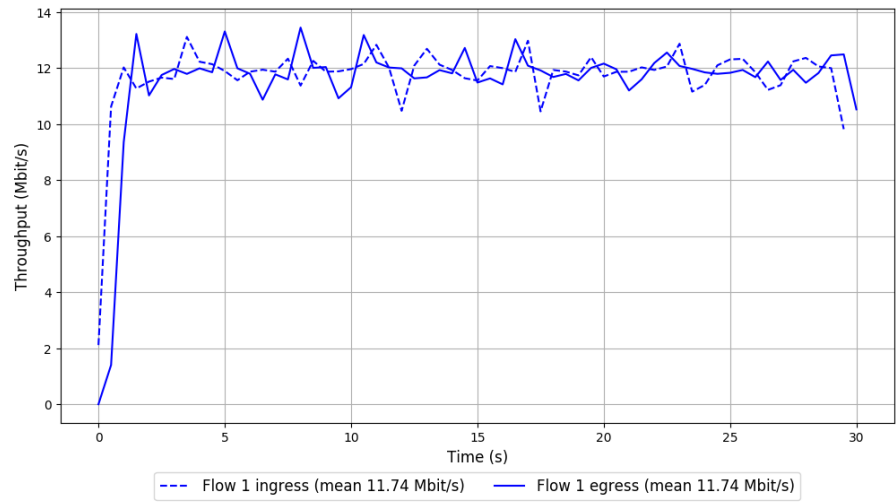


Run 4: Statistics of Sprout

Start at: 2019-08-26 19:22:04
End at: 2019-08-26 19:22:34
Local clock offset: -5.259 ms
Remote clock offset: 6.03 ms

Below is generated by plot.py at 2019-08-26 20:16:24
Datalink statistics
-- Total of 1 flow:
Average throughput: 11.74 Mbit/s
95th percentile per-packet one-way delay: 39.242 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 11.74 Mbit/s
95th percentile per-packet one-way delay: 39.242 ms
Loss rate: 0.00%

Run 4: Report of Sprout — Data Link



Run 5: Statistics of Sprout

Start at: 2019-08-26 19:51:04

End at: 2019-08-26 19:51:34

Local clock offset: -6.077 ms

Remote clock offset: 5.657 ms

Below is generated by plot.py at 2019-08-26 20:16:24

Datalink statistics

-- Total of 1 flow:

Average throughput: 11.71 Mbit/s

95th percentile per-packet one-way delay: 39.158 ms

Loss rate: 0.00%

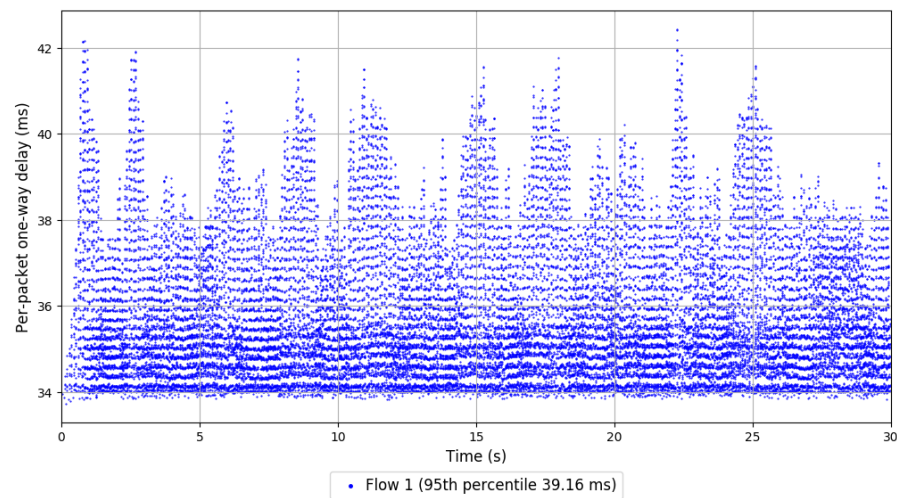
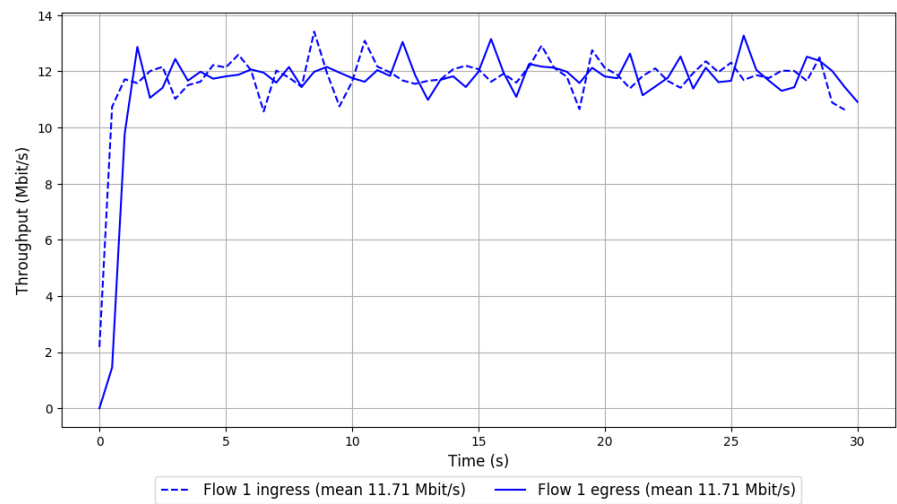
-- Flow 1:

Average throughput: 11.71 Mbit/s

95th percentile per-packet one-way delay: 39.158 ms

Loss rate: 0.00%

Run 5: Report of Sprout — Data Link



Run 1: Statistics of TaoVA-100x

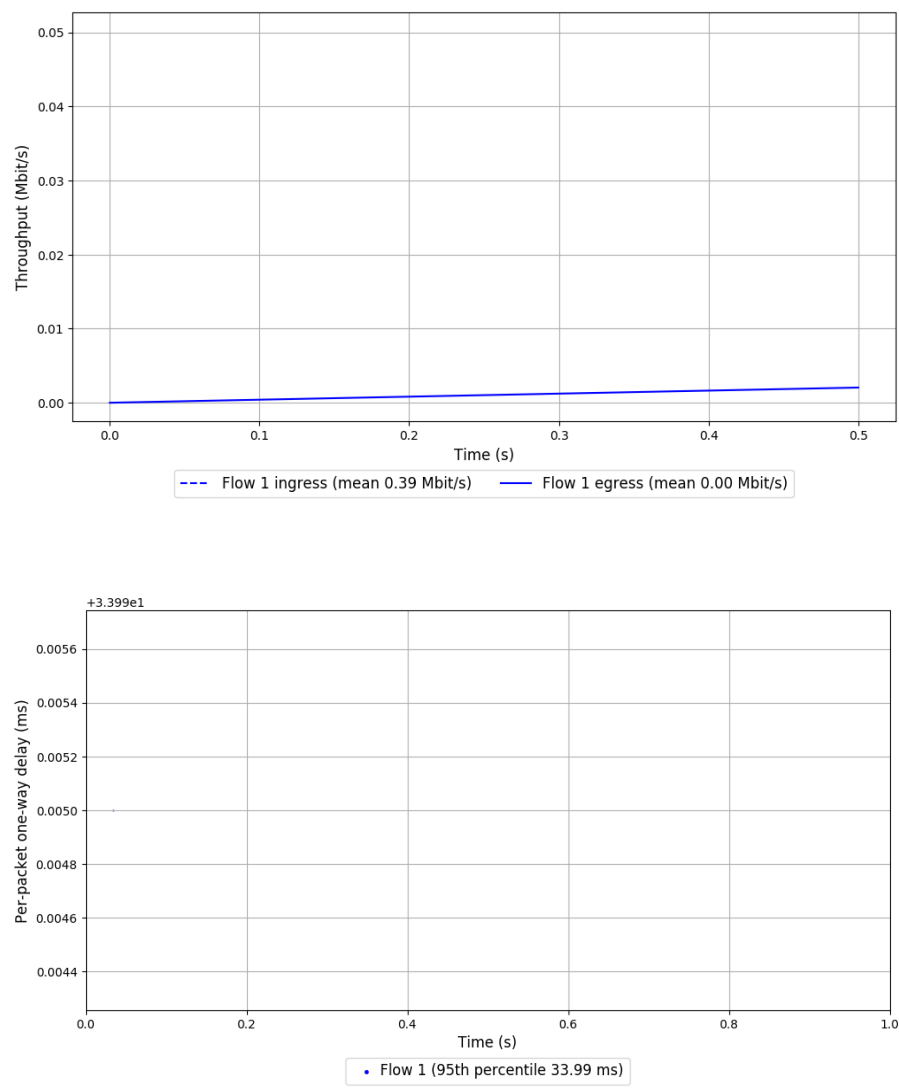
Start at: 2019-08-26 17:39:03

End at: 2019-08-26 17:39:33

Local clock offset: -3.398 ms

Remote clock offset: 4.595 ms

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



Run 2: Statistics of TaoVA-100x

Start at: 2019-08-26 18:08:14

End at: 2019-08-26 18:08:44

Local clock offset: -4.898 ms

Remote clock offset: 3.029 ms

Below is generated by plot.py at 2019-08-26 20:16:24

Datalink statistics

-- Total of 1 flow:

Average throughput: 12.27 Mbit/s

95th percentile per-packet one-way delay: 33.949 ms

Loss rate: 77.97%

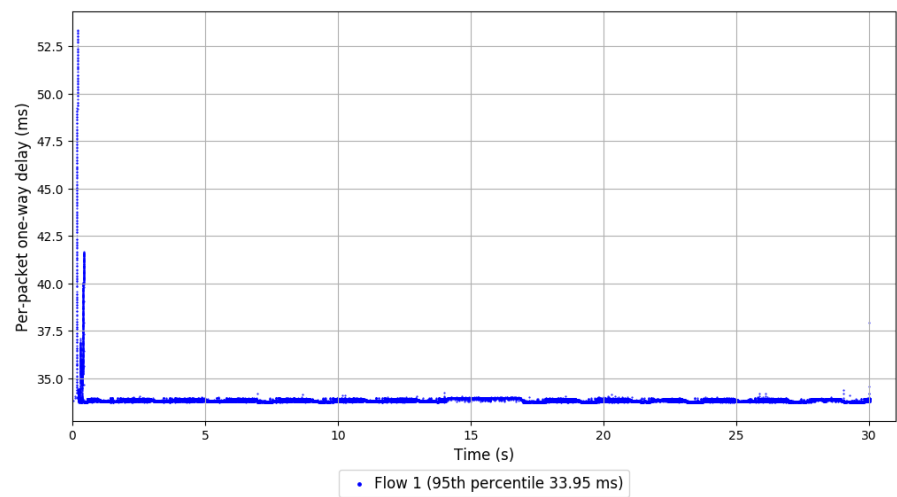
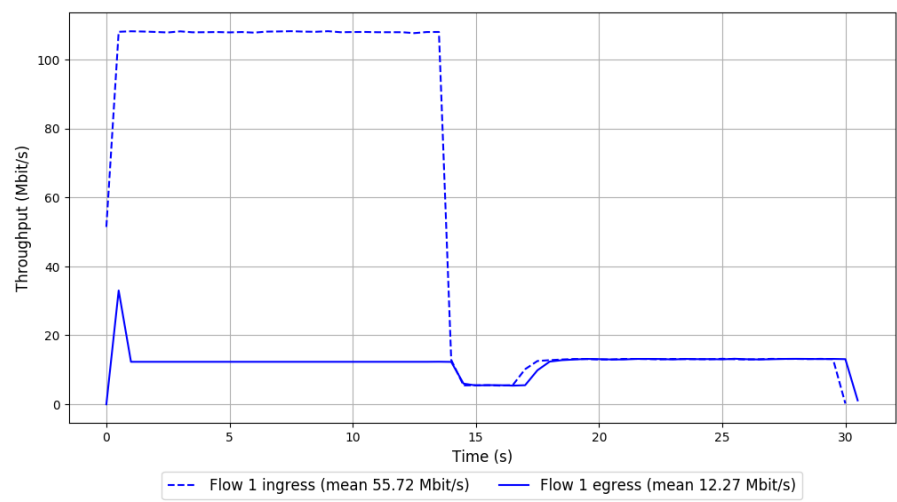
-- Flow 1:

Average throughput: 12.27 Mbit/s

95th percentile per-packet one-way delay: 33.949 ms

Loss rate: 77.97%

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



Run 3: Statistics of TaoVA-100x

Start at: 2019-08-26 18:37:49

End at: 2019-08-26 18:38:19

Local clock offset: -4.773 ms

Remote clock offset: 4.086 ms

Below is generated by plot.py at 2019-08-26 20:16:24

Datalink statistics

-- Total of 1 flow:

Average throughput: 10.55 Mbit/s

95th percentile per-packet one-way delay: 33.986 ms

Loss rate: 66.68%

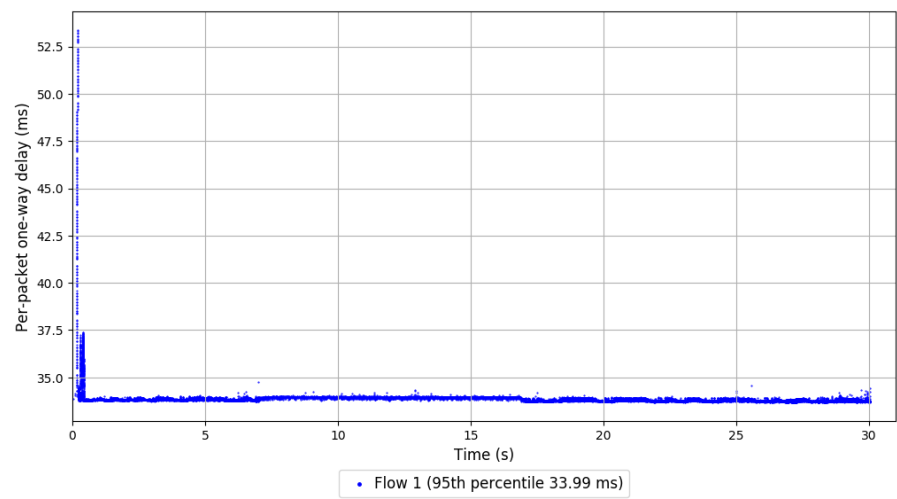
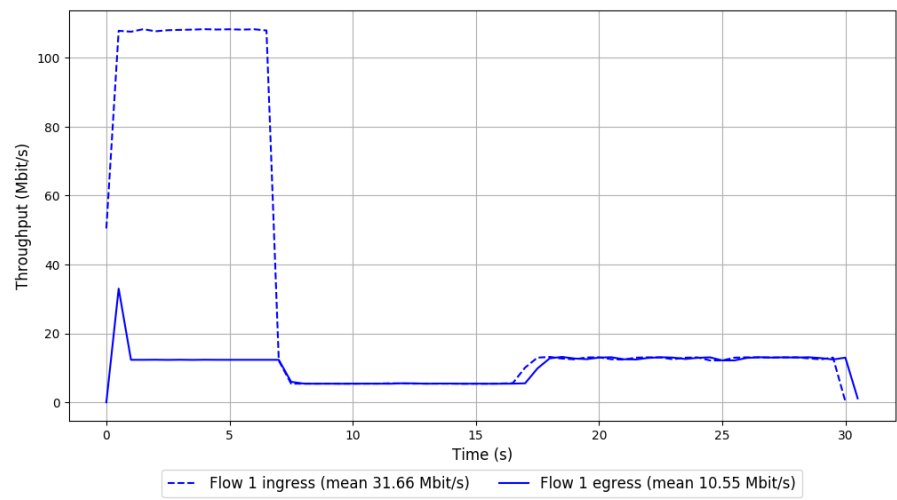
-- Flow 1:

Average throughput: 10.55 Mbit/s

95th percentile per-packet one-way delay: 33.986 ms

Loss rate: 66.68%

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



Run 4: Statistics of TaoVA-100x

Start at: 2019-08-26 19:07:24

End at: 2019-08-26 19:07:54

Local clock offset: -4.825 ms

Remote clock offset: 5.97 ms

Below is generated by plot.py at 2019-08-26 20:16:24

Datalink statistics

-- Total of 1 flow:

Average throughput: 12.68 Mbit/s

95th percentile per-packet one-way delay: 34.038 ms

Loss rate: 77.43%

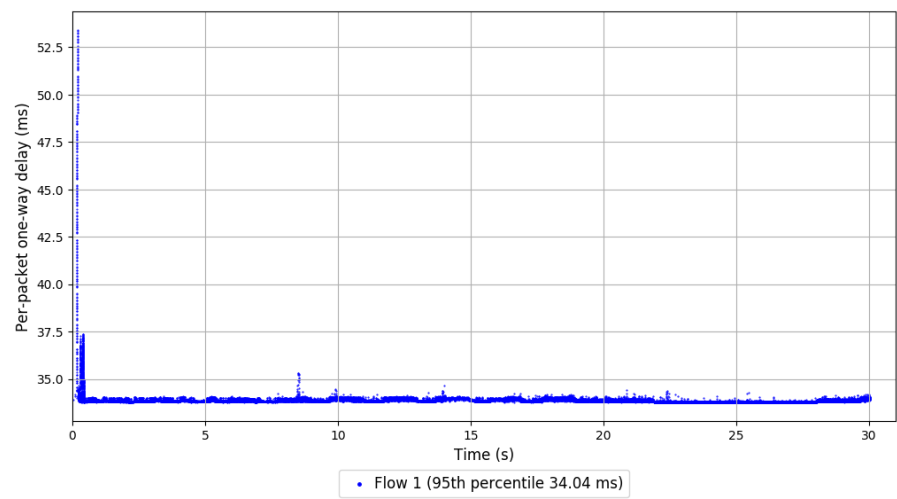
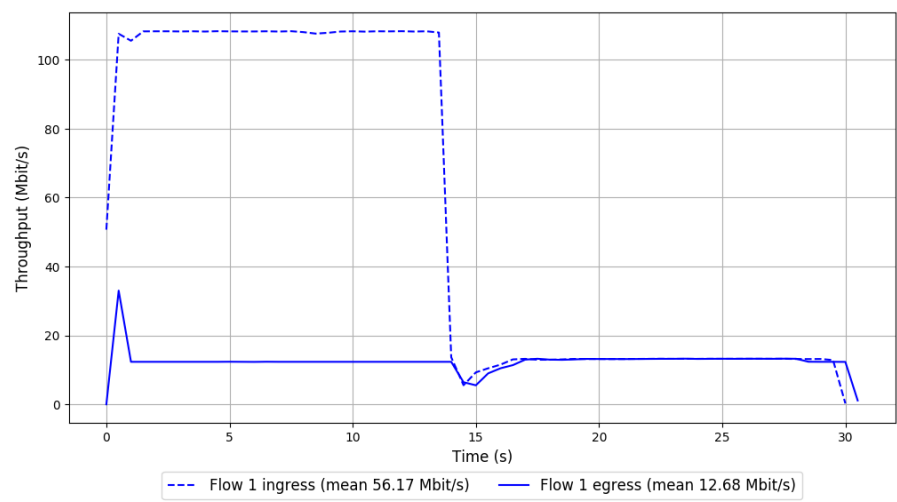
-- Flow 1:

Average throughput: 12.68 Mbit/s

95th percentile per-packet one-way delay: 34.038 ms

Loss rate: 77.43%

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



Run 5: Statistics of TaoVA-100x

Start at: 2019-08-26 19:36:32

End at: 2019-08-26 19:37:02

Local clock offset: -5.585 ms

Remote clock offset: 6.437 ms

Below is generated by plot.py at 2019-08-26 20:16:24

Datalink statistics

-- Total of 1 flow:

Average throughput: 12.62 Mbit/s

95th percentile per-packet one-way delay: 34.005 ms

Loss rate: 77.49%

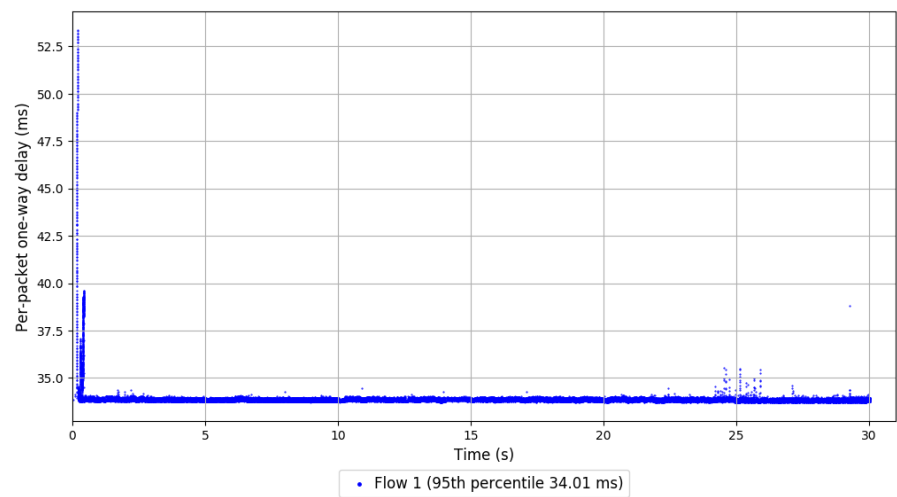
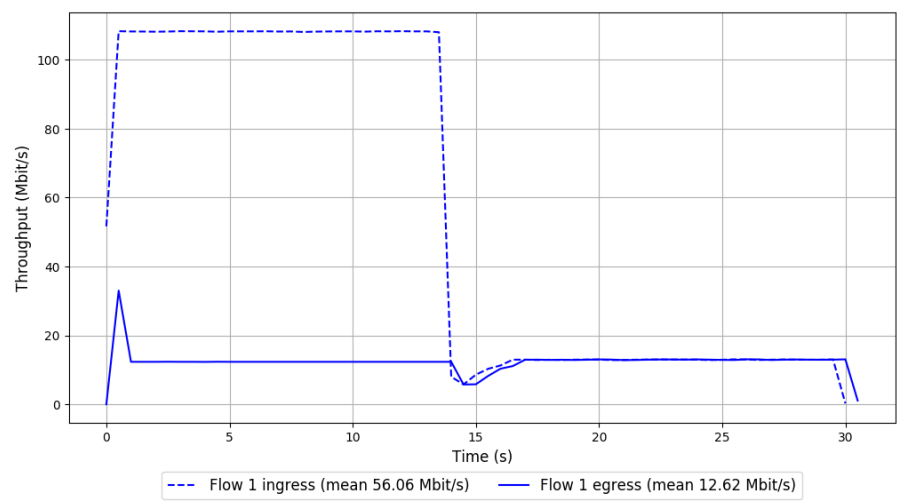
-- Flow 1:

Average throughput: 12.62 Mbit/s

95th percentile per-packet one-way delay: 34.005 ms

Loss rate: 77.49%

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



Run 1: Statistics of TCP Vegas

Start at: 2019-08-26 17:54:36

End at: 2019-08-26 17:55:06

Local clock offset: -4.767 ms

Remote clock offset: 3.748 ms

Below is generated by plot.py at 2019-08-26 20:17:03

Datalink statistics

-- Total of 1 flow:

Average throughput: 89.01 Mbit/s

95th percentile per-packet one-way delay: 44.877 ms

Loss rate: 0.30%

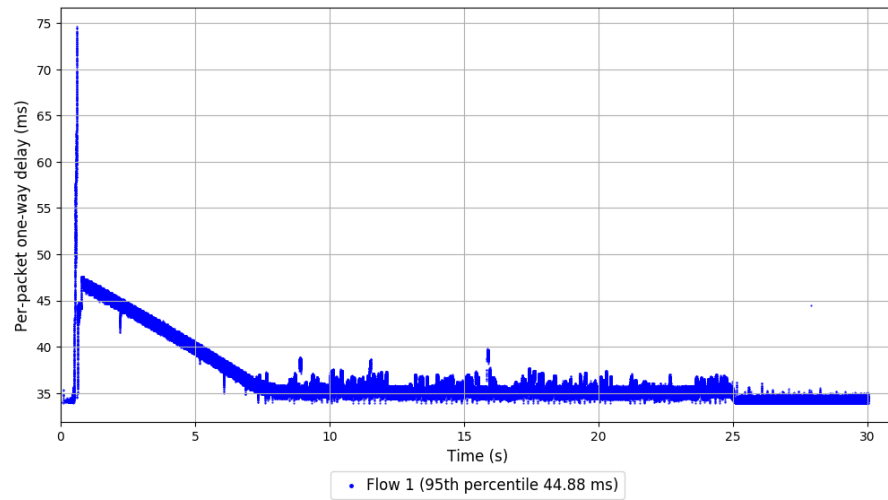
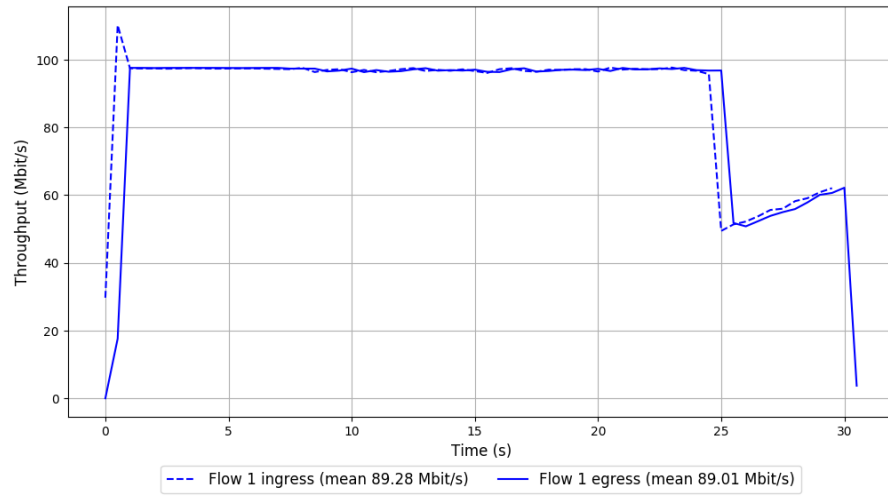
-- Flow 1:

Average throughput: 89.01 Mbit/s

95th percentile per-packet one-way delay: 44.877 ms

Loss rate: 0.30%

Run 1: Report of TCP Vegas — Data Link



Run 2: Statistics of TCP Vegas

Start at: 2019-08-26 18:23:51

End at: 2019-08-26 18:24:21

Local clock offset: -4.703 ms

Remote clock offset: 2.917 ms

Below is generated by plot.py at 2019-08-26 20:17:07

Datalink statistics

-- Total of 1 flow:

Average throughput: 92.37 Mbit/s

95th percentile per-packet one-way delay: 35.615 ms

Loss rate: 0.63%

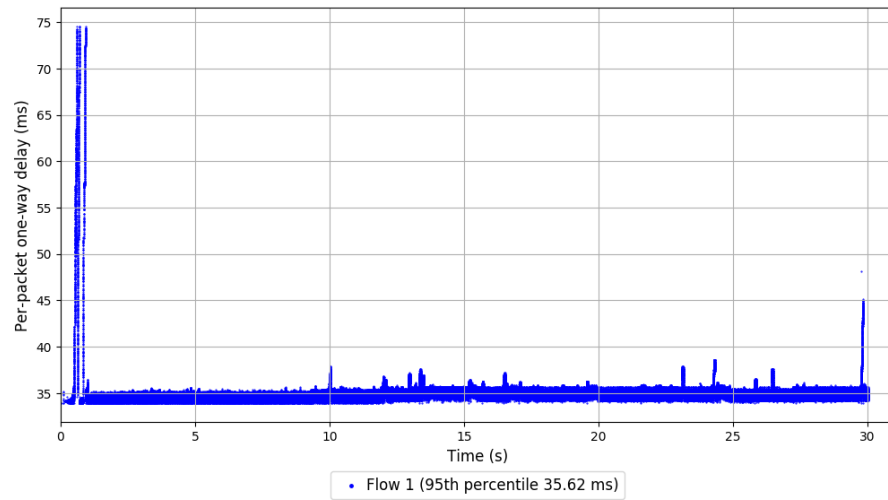
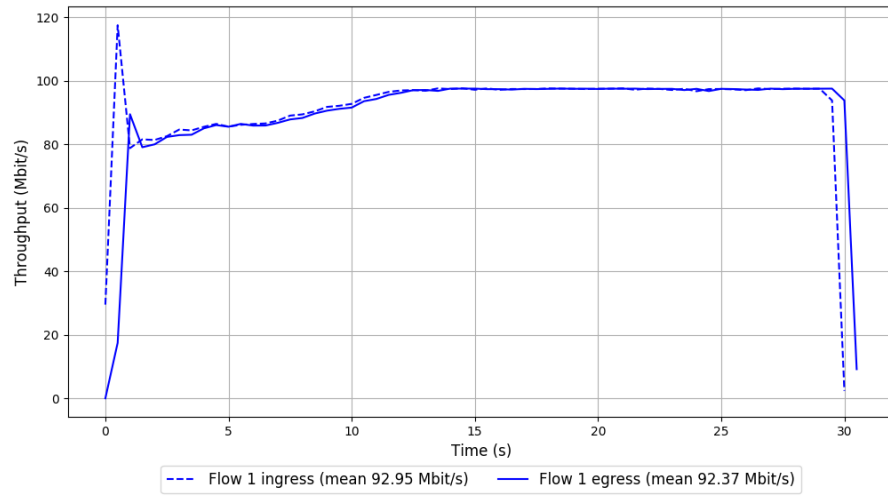
-- Flow 1:

Average throughput: 92.37 Mbit/s

95th percentile per-packet one-way delay: 35.615 ms

Loss rate: 0.63%

Run 2: Report of TCP Vegas — Data Link



Run 3: Statistics of TCP Vegas

Start at: 2019-08-26 18:53:48

End at: 2019-08-26 18:54:18

Local clock offset: -4.576 ms

Remote clock offset: 5.431 ms

Below is generated by plot.py at 2019-08-26 20:17:12

Datalink statistics

-- Total of 1 flow:

Average throughput: 96.20 Mbit/s

95th percentile per-packet one-way delay: 44.695 ms

Loss rate: 0.27%

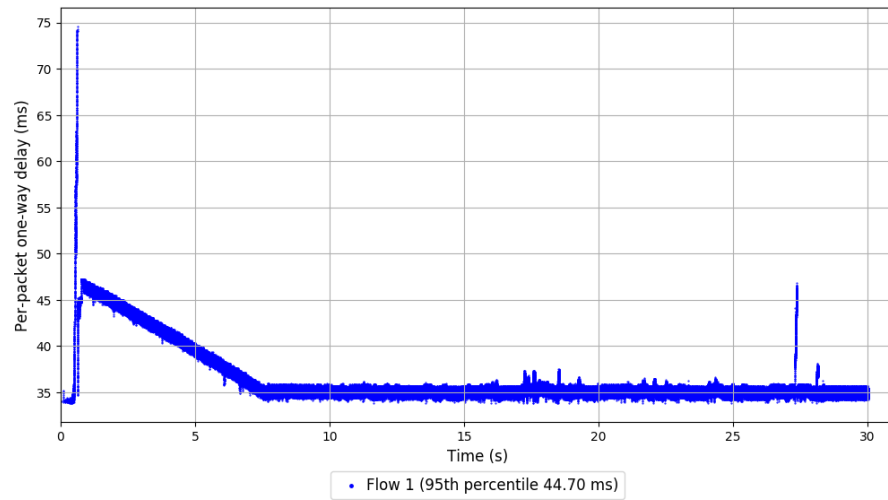
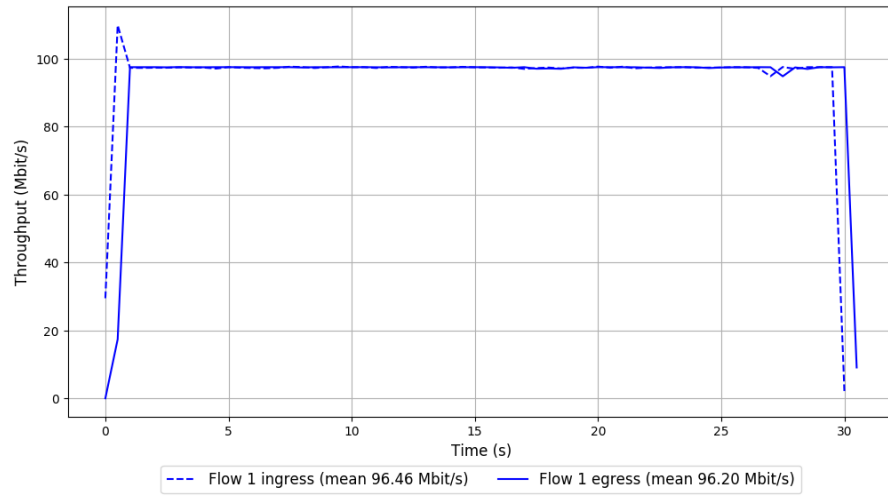
-- Flow 1:

Average throughput: 96.20 Mbit/s

95th percentile per-packet one-way delay: 44.695 ms

Loss rate: 0.27%

Run 3: Report of TCP Vegas — Data Link



Run 4: Statistics of TCP Vegas

Start at: 2019-08-26 19:23:11

End at: 2019-08-26 19:23:41

Local clock offset: -5.322 ms

Remote clock offset: 6.115 ms

Below is generated by plot.py at 2019-08-26 20:17:16

Datalink statistics

-- Total of 1 flow:

Average throughput: 96.27 Mbit/s

95th percentile per-packet one-way delay: 44.424 ms

Loss rate: 0.27%

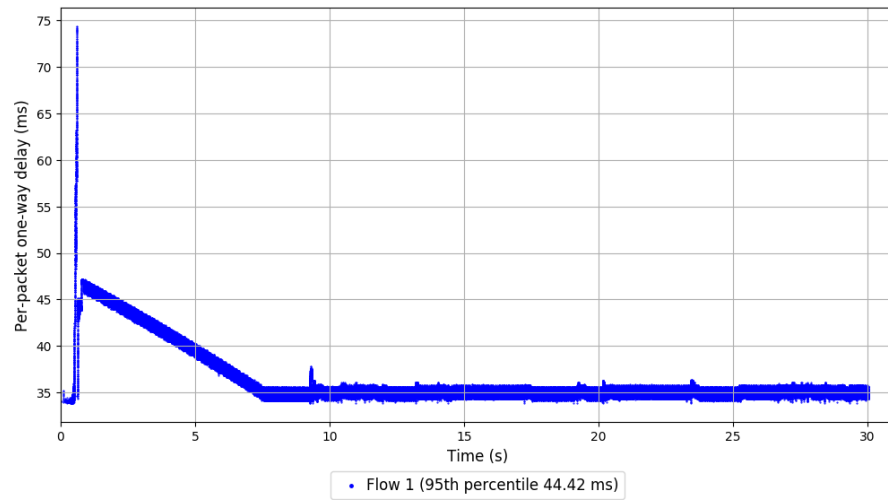
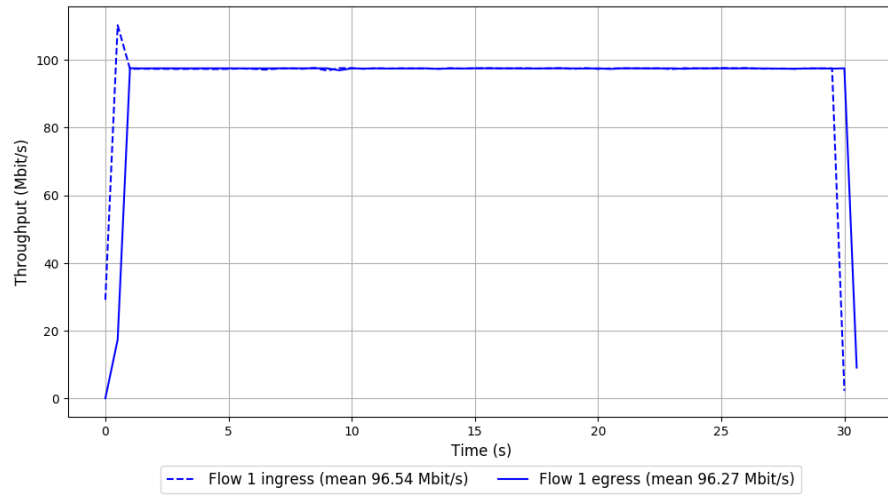
-- Flow 1:

Average throughput: 96.27 Mbit/s

95th percentile per-packet one-way delay: 44.424 ms

Loss rate: 0.27%

Run 4: Report of TCP Vegas — Data Link



Run 5: Statistics of TCP Vegas

Start at: 2019-08-26 19:52:11

End at: 2019-08-26 19:52:41

Local clock offset: -6.109 ms

Remote clock offset: 5.7 ms

Below is generated by plot.py at 2019-08-26 20:17:17

Datalink statistics

-- Total of 1 flow:

Average throughput: 96.25 Mbit/s

95th percentile per-packet one-way delay: 44.690 ms

Loss rate: 0.27%

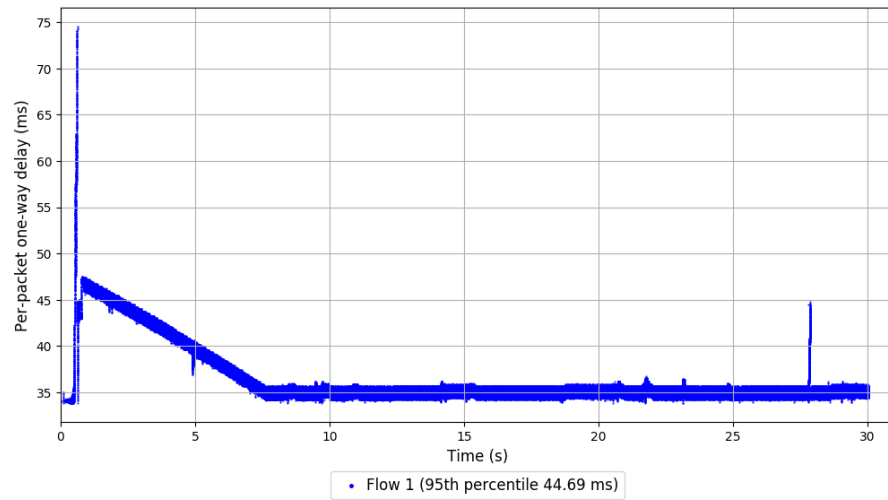
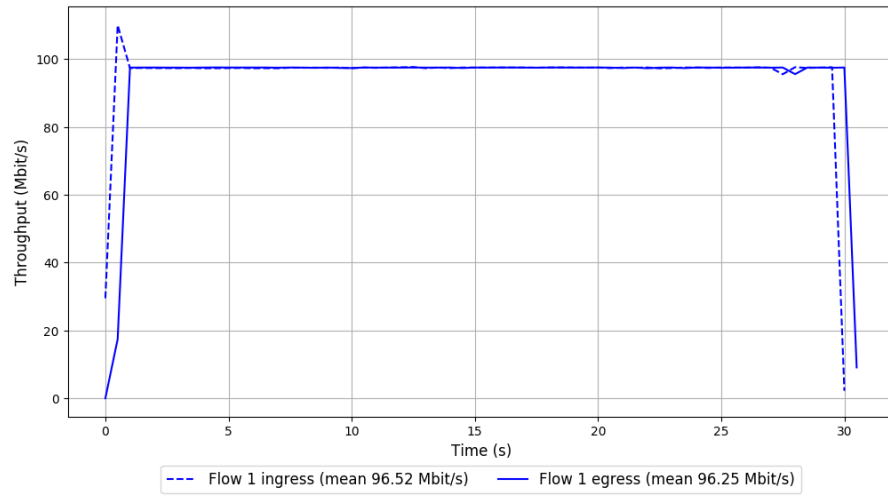
-- Flow 1:

Average throughput: 96.25 Mbit/s

95th percentile per-packet one-way delay: 44.690 ms

Loss rate: 0.27%

Run 5: Report of TCP Vegas — Data Link



Run 1: Statistics of Verus

Start at: 2019-08-26 17:58:44

End at: 2019-08-26 17:59:14

Local clock offset: -4.835 ms

Remote clock offset: 3.468 ms

Below is generated by plot.py at 2019-08-26 20:17:17

Datalink statistics

-- Total of 1 flow:

Average throughput: 56.81 Mbit/s

95th percentile per-packet one-way delay: 68.965 ms

Loss rate: 21.64%

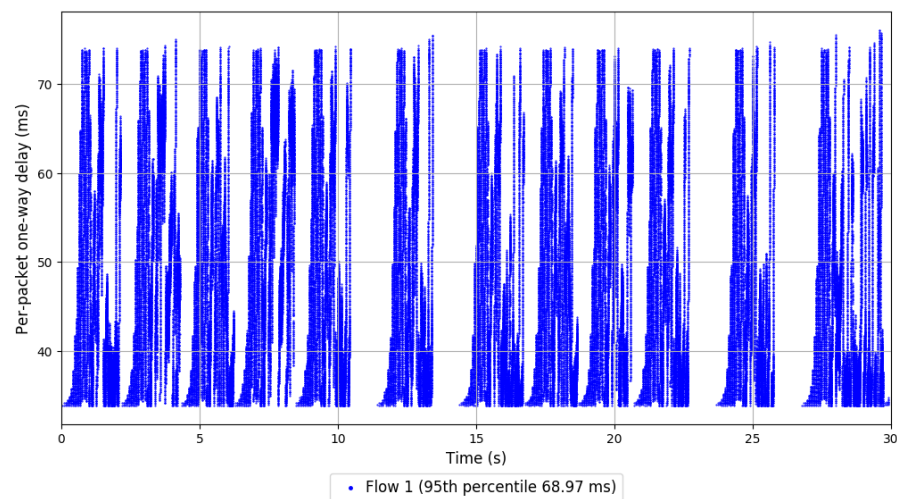
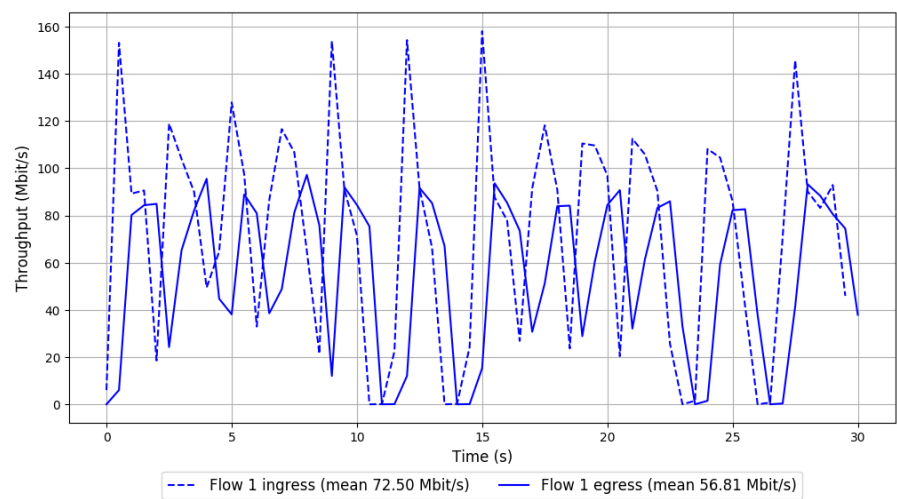
-- Flow 1:

Average throughput: 56.81 Mbit/s

95th percentile per-packet one-way delay: 68.965 ms

Loss rate: 21.64%

Run 1: Report of Verus — Data Link



Run 2: Statistics of Verus

Start at: 2019-08-26 18:27:42

End at: 2019-08-26 18:28:12

Local clock offset: -4.705 ms

Remote clock offset: 2.819 ms

Below is generated by plot.py at 2019-08-26 20:17:17

Datalink statistics

-- Total of 1 flow:

Average throughput: 52.79 Mbit/s

95th percentile per-packet one-way delay: 69.474 ms

Loss rate: 22.75%

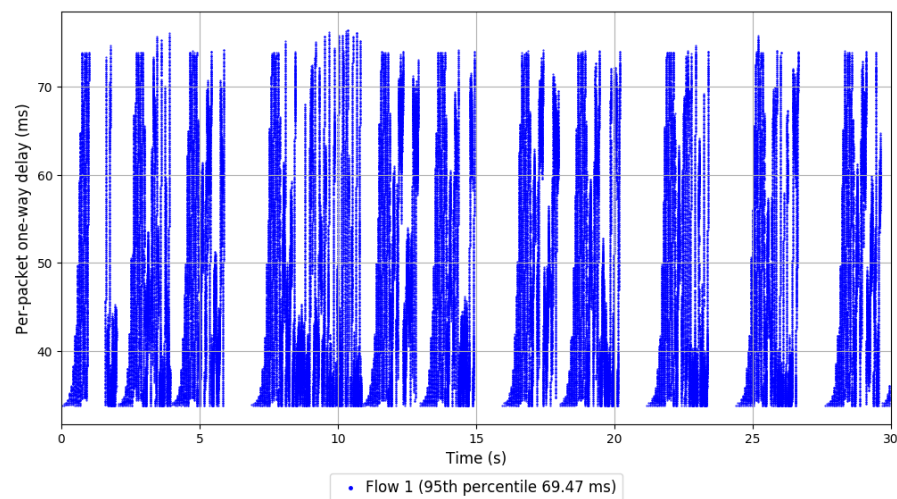
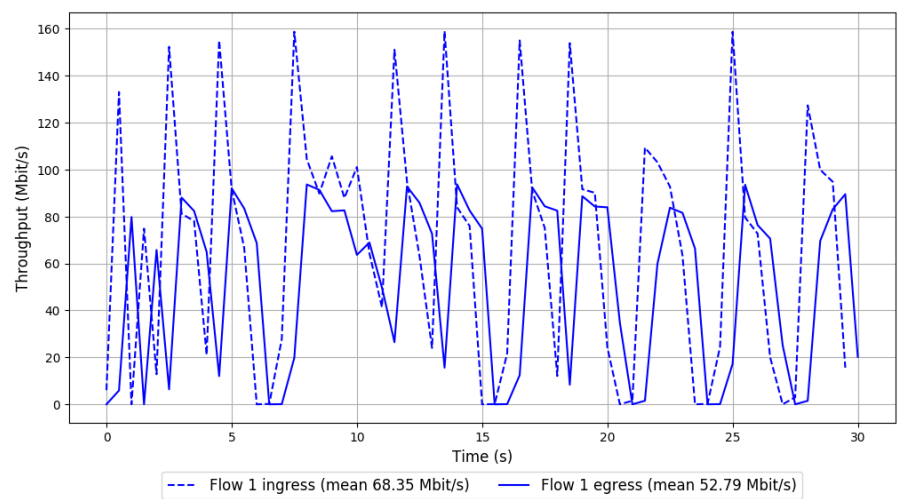
-- Flow 1:

Average throughput: 52.79 Mbit/s

95th percentile per-packet one-way delay: 69.474 ms

Loss rate: 22.75%

Run 2: Report of Verus — Data Link



Run 3: Statistics of Verus

Start at: 2019-08-26 18:57:40

End at: 2019-08-26 18:58:10

Local clock offset: -4.602 ms

Remote clock offset: 5.599 ms

Below is generated by plot.py at 2019-08-26 20:17:20

Datalink statistics

-- Total of 1 flow:

Average throughput: 62.22 Mbit/s

95th percentile per-packet one-way delay: 69.188 ms

Loss rate: 22.31%

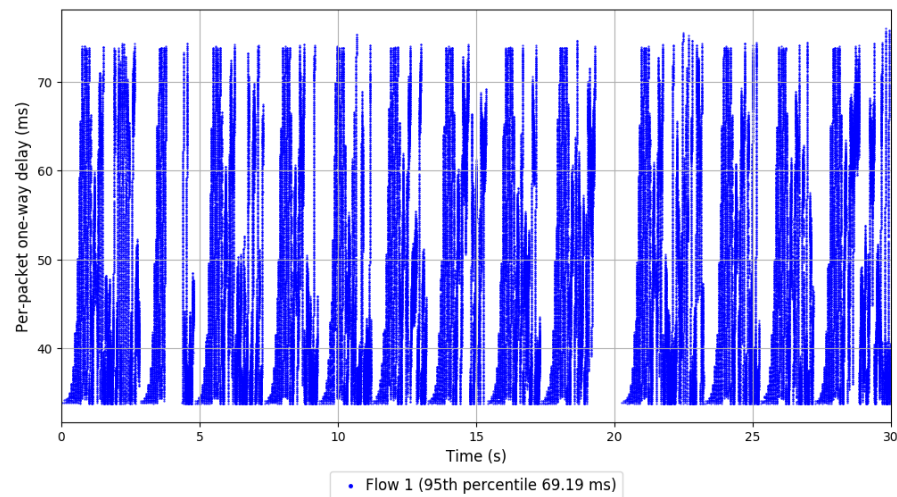
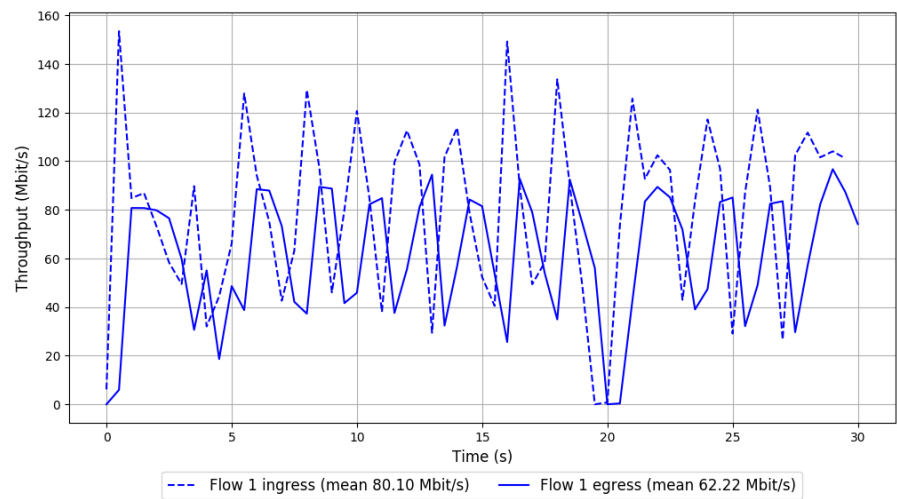
-- Flow 1:

Average throughput: 62.22 Mbit/s

95th percentile per-packet one-way delay: 69.188 ms

Loss rate: 22.31%

Run 3: Report of Verus — Data Link



Run 4: Statistics of Verus

Start at: 2019-08-26 19:26:56

End at: 2019-08-26 19:27:26

Local clock offset: -5.377 ms

Remote clock offset: 6.251 ms

Below is generated by plot.py at 2019-08-26 20:17:37

Datalink statistics

-- Total of 1 flow:

Average throughput: 53.12 Mbit/s

95th percentile per-packet one-way delay: 68.936 ms

Loss rate: 21.88%

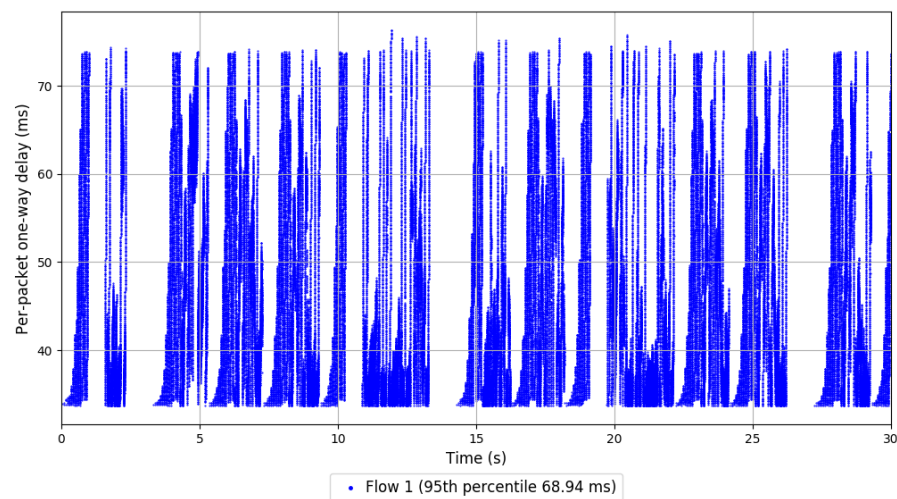
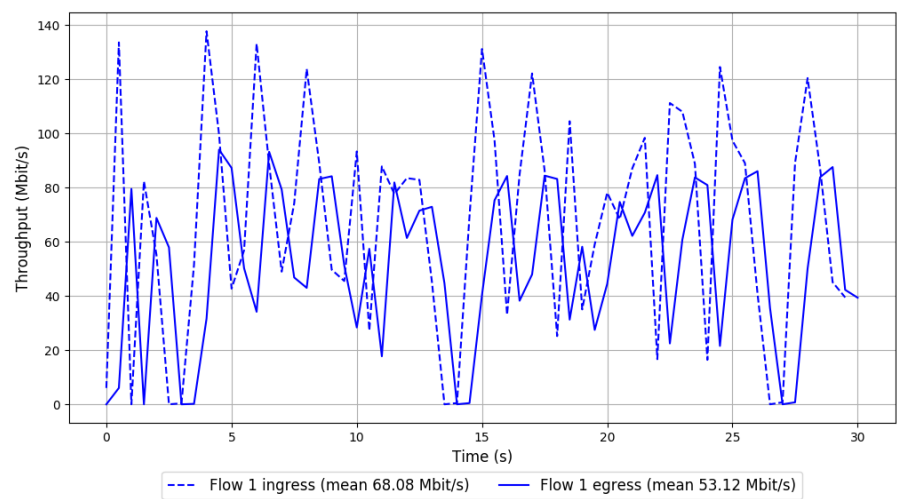
-- Flow 1:

Average throughput: 53.12 Mbit/s

95th percentile per-packet one-way delay: 68.936 ms

Loss rate: 21.88%

Run 4: Report of Verus — Data Link

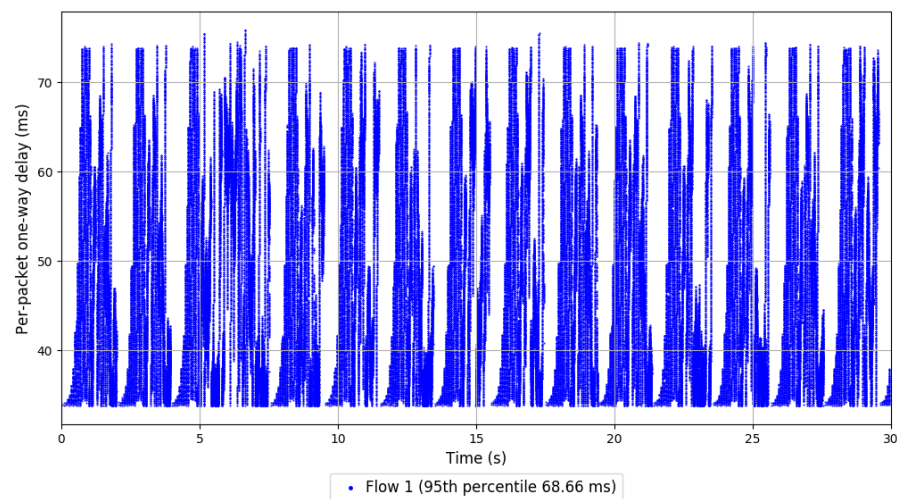
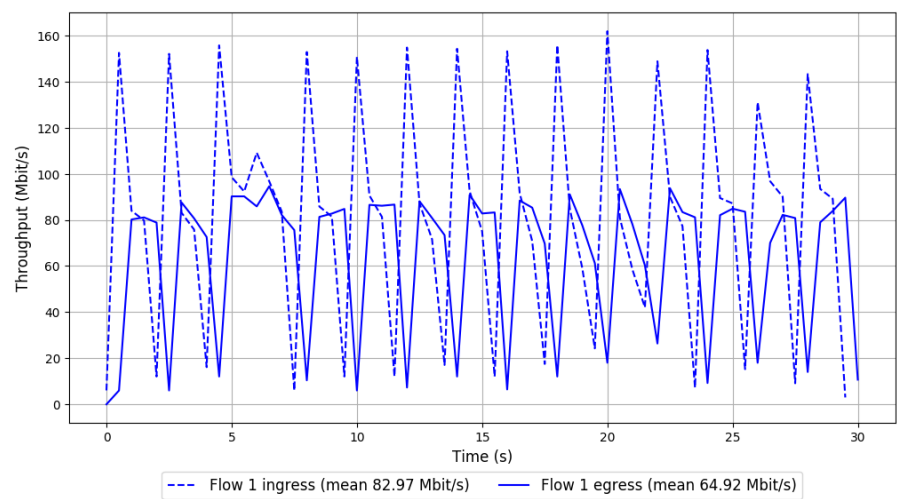


Run 5: Statistics of Verus

Start at: 2019-08-26 19:55:45
End at: 2019-08-26 19:56:15
Local clock offset: -6.232 ms
Remote clock offset: 5.581 ms

Below is generated by plot.py at 2019-08-26 20:17:46
Datalink statistics
-- Total of 1 flow:
Average throughput: 64.92 Mbit/s
95th percentile per-packet one-way delay: 68.661 ms
Loss rate: 21.75%
-- Flow 1:
Average throughput: 64.92 Mbit/s
95th percentile per-packet one-way delay: 68.661 ms
Loss rate: 21.75%

Run 5: Report of Verus — Data Link



Run 1: Statistics of PCC-Vivace

Start at: 2019-08-26 17:55:57

End at: 2019-08-26 17:56:27

Local clock offset: -4.893 ms

Remote clock offset: 3.47 ms

Below is generated by plot.py at 2019-08-26 20:18:04

Datalink statistics

-- Total of 1 flow:

Average throughput: 85.18 Mbit/s

95th percentile per-packet one-way delay: 35.536 ms

Loss rate: 0.00%

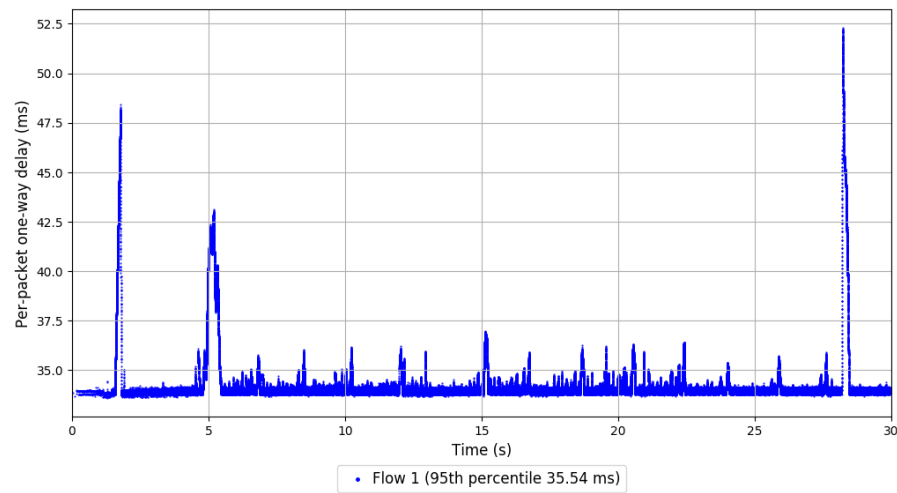
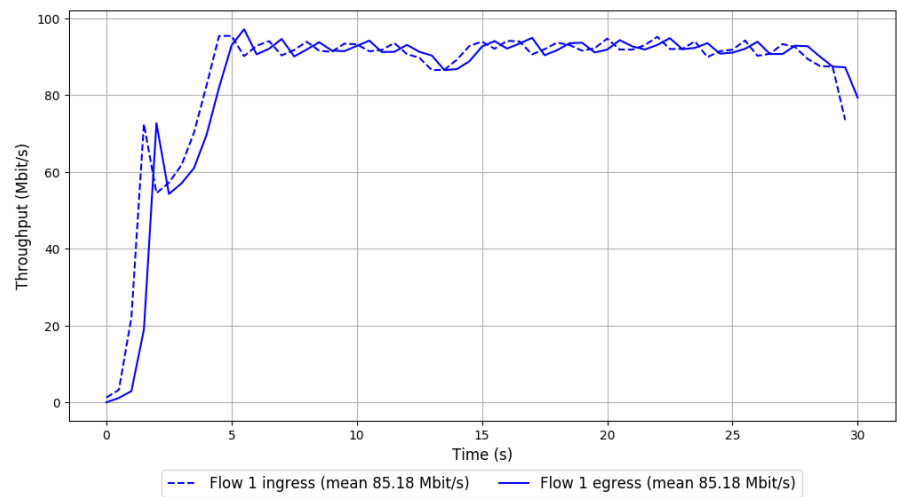
-- Flow 1:

Average throughput: 85.18 Mbit/s

95th percentile per-packet one-way delay: 35.536 ms

Loss rate: 0.00%

Run 1: Report of PCC-Vivace — Data Link



Run 2: Statistics of PCC-Vivace

Start at: 2019-08-26 18:25:10

End at: 2019-08-26 18:25:40

Local clock offset: -4.678 ms

Remote clock offset: 2.817 ms

Below is generated by plot.py at 2019-08-26 20:18:06

Datalink statistics

-- Total of 1 flow:

Average throughput: 84.84 Mbit/s

95th percentile per-packet one-way delay: 40.322 ms

Loss rate: 0.00%

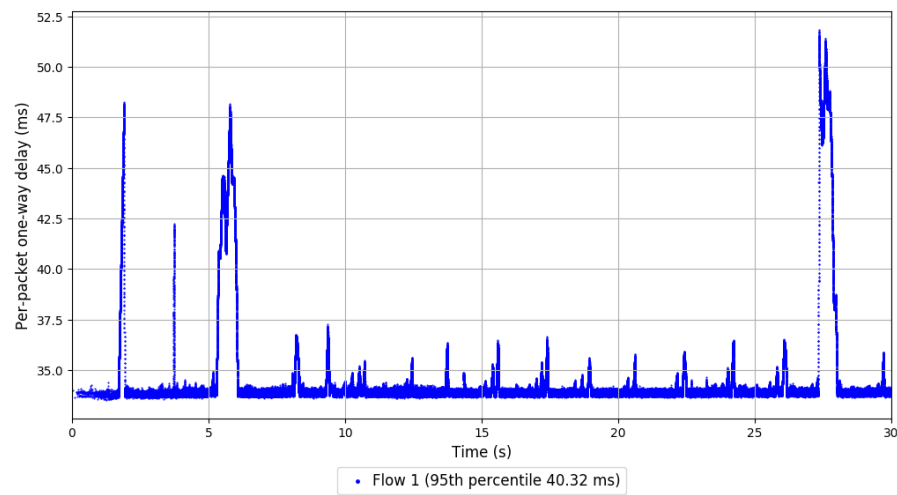
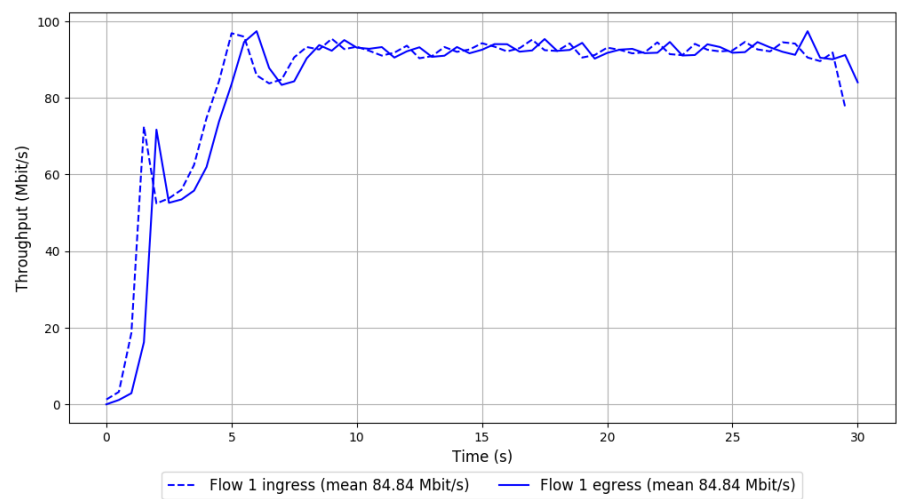
-- Flow 1:

Average throughput: 84.84 Mbit/s

95th percentile per-packet one-way delay: 40.322 ms

Loss rate: 0.00%

Run 2: Report of PCC-Vivace — Data Link



Run 3: Statistics of PCC-Vivace

Start at: 2019-08-26 18:55:03

End at: 2019-08-26 18:55:33

Local clock offset: -4.565 ms

Remote clock offset: 5.399 ms

Below is generated by plot.py at 2019-08-26 20:18:07

Datalink statistics

-- Total of 1 flow:

Average throughput: 84.93 Mbit/s

95th percentile per-packet one-way delay: 40.406 ms

Loss rate: 0.00%

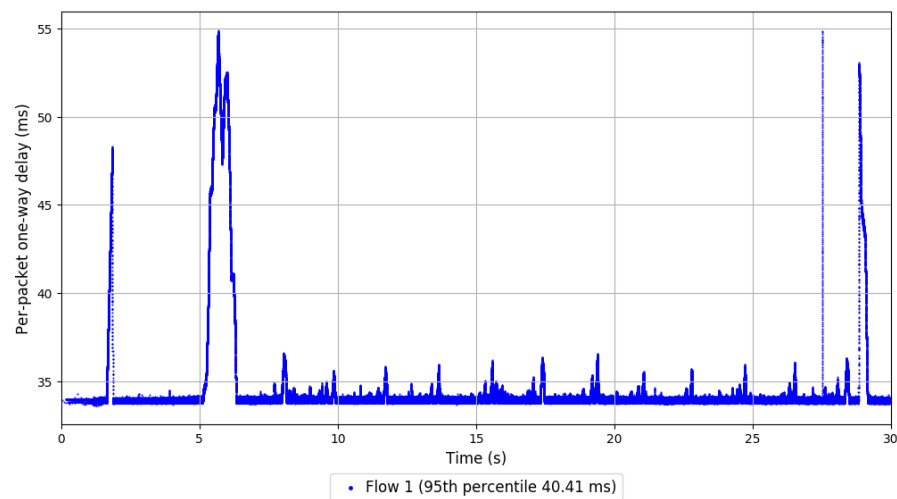
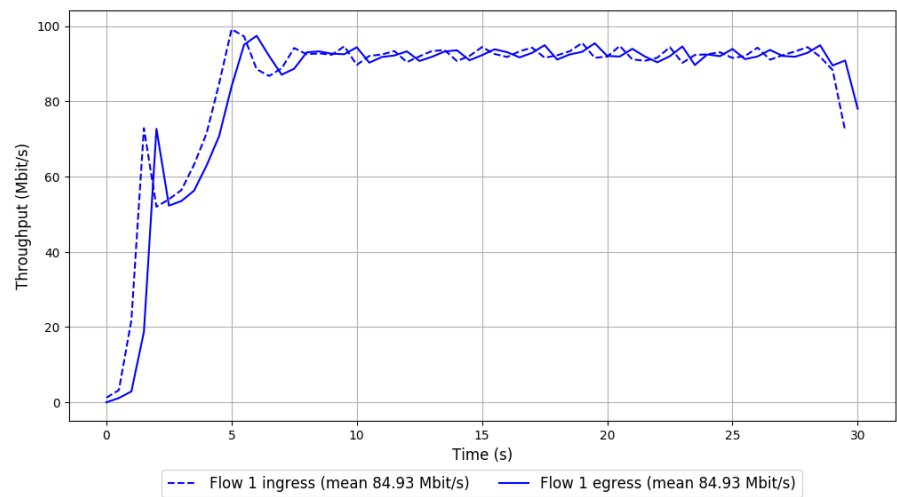
-- Flow 1:

Average throughput: 84.93 Mbit/s

95th percentile per-packet one-way delay: 40.406 ms

Loss rate: 0.00%

Run 3: Report of PCC-Vivace — Data Link



Run 4: Statistics of PCC-Vivace

Start at: 2019-08-26 19:24:30

End at: 2019-08-26 19:25:00

Local clock offset: -5.351 ms

Remote clock offset: 6.115 ms

Below is generated by plot.py at 2019-08-26 20:18:08

Datalink statistics

-- Total of 1 flow:

Average throughput: 85.11 Mbit/s

95th percentile per-packet one-way delay: 35.282 ms

Loss rate: 0.00%

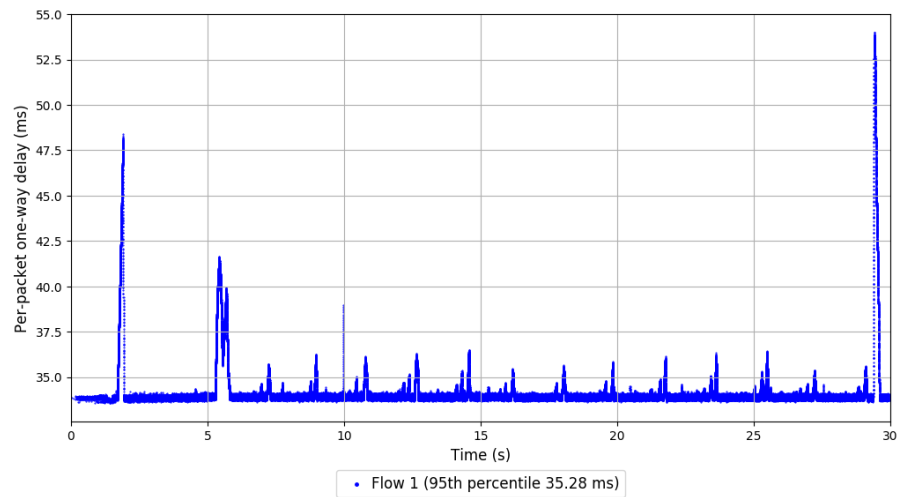
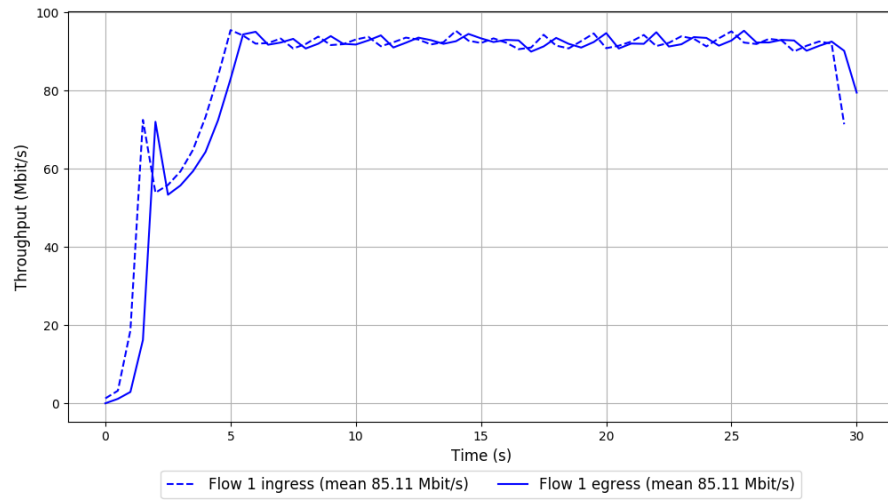
-- Flow 1:

Average throughput: 85.11 Mbit/s

95th percentile per-packet one-way delay: 35.282 ms

Loss rate: 0.00%

Run 4: Report of PCC-Vivace — Data Link



Run 5: Statistics of PCC-Vivace

Start at: 2019-08-26 19:53:22

End at: 2019-08-26 19:53:52

Local clock offset: -6.152 ms

Remote clock offset: 5.586 ms

Below is generated by plot.py at 2019-08-26 20:18:08

Datalink statistics

-- Total of 1 flow:

Average throughput: 83.20 Mbit/s

95th percentile per-packet one-way delay: 38.910 ms

Loss rate: 0.00%

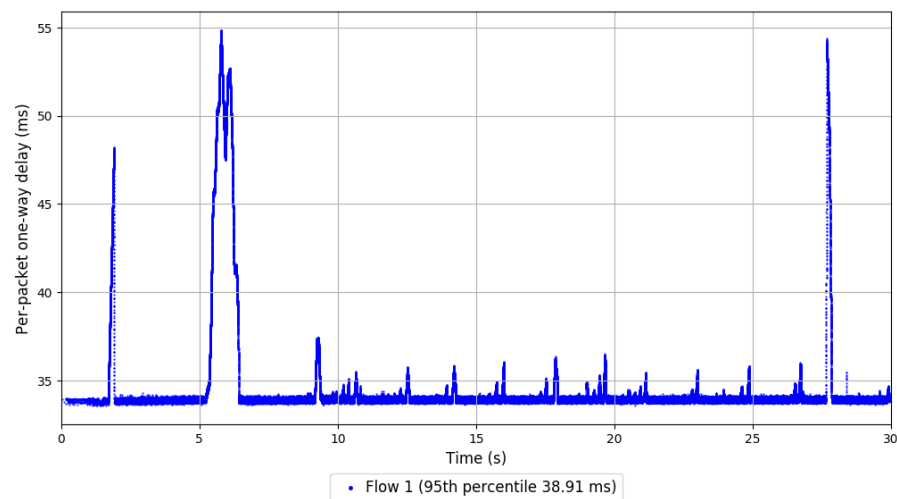
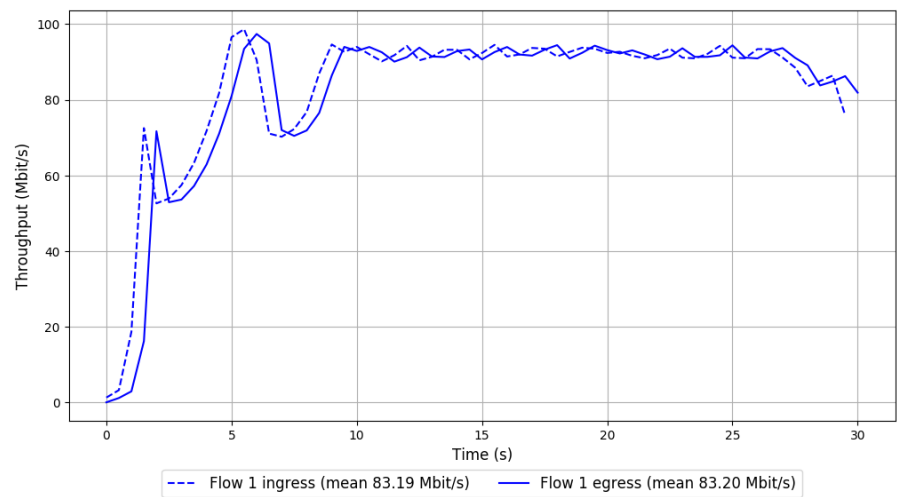
-- Flow 1:

Average throughput: 83.20 Mbit/s

95th percentile per-packet one-way delay: 38.910 ms

Loss rate: 0.00%

Run 5: Report of PCC-Vivace — Data Link



Run 1: Statistics of WebRTC media

Start at: 2019-08-26 17:42:28

End at: 2019-08-26 17:42:58

Local clock offset: -3.665 ms

Remote clock offset: 4.399 ms

Below is generated by plot.py at 2019-08-26 20:18:08

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.05 Mbit/s

95th percentile per-packet one-way delay: 34.663 ms

Loss rate: 0.00%

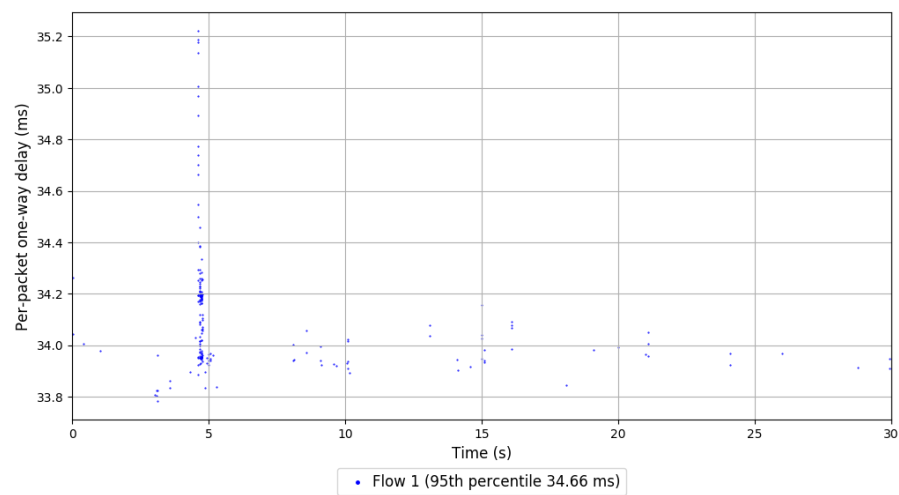
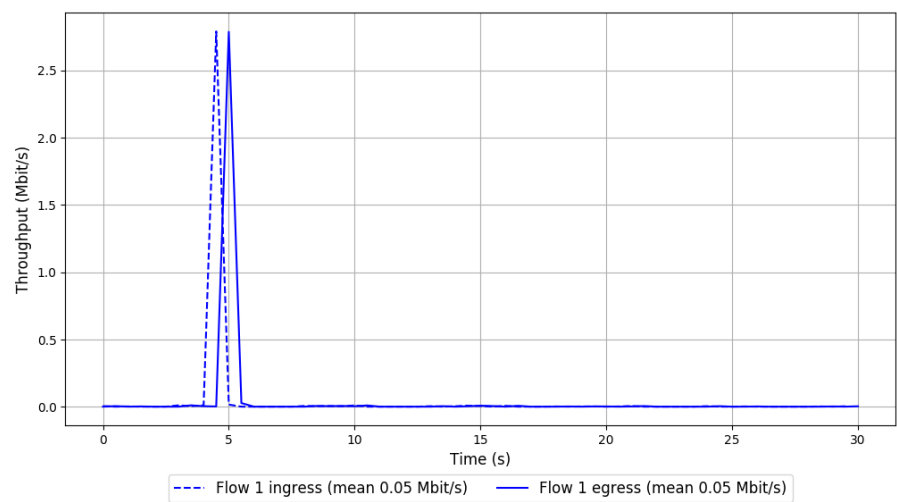
-- Flow 1:

Average throughput: 0.05 Mbit/s

95th percentile per-packet one-way delay: 34.663 ms

Loss rate: 0.00%

Run 1: Report of WebRTC media — Data Link



Run 2: Statistics of WebRTC media

Start at: 2019-08-26 18:11:42

End at: 2019-08-26 18:12:12

Local clock offset: -5.02 ms

Remote clock offset: 3.119 ms

Below is generated by plot.py at 2019-08-26 20:18:08

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.05 Mbit/s

95th percentile per-packet one-way delay: 34.611 ms

Loss rate: 0.00%

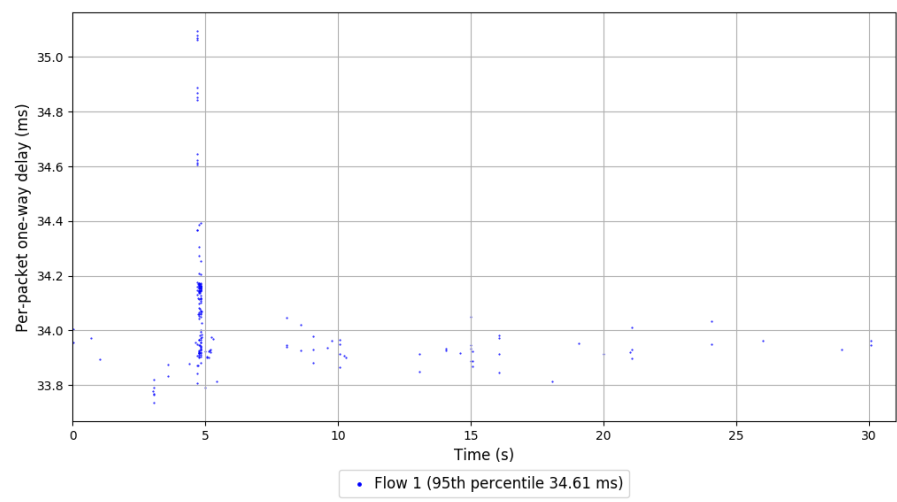
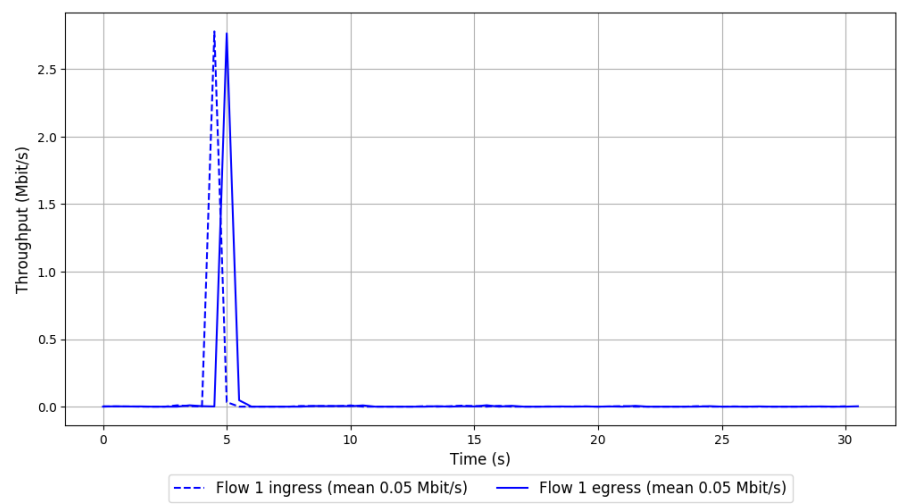
-- Flow 1:

Average throughput: 0.05 Mbit/s

95th percentile per-packet one-way delay: 34.611 ms

Loss rate: 0.00%

Run 2: Report of WebRTC media — Data Link



Run 3: Statistics of WebRTC media

Start at: 2019-08-26 18:41:33

End at: 2019-08-26 18:42:03

Local clock offset: -4.765 ms

Remote clock offset: 4.523 ms

Below is generated by plot.py at 2019-08-26 20:18:08

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.05 Mbit/s

95th percentile per-packet one-way delay: 34.585 ms

Loss rate: 0.00%

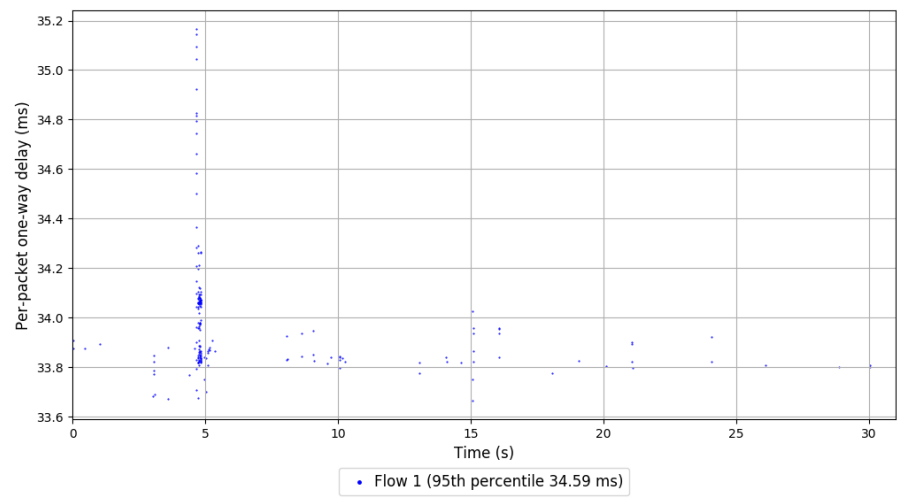
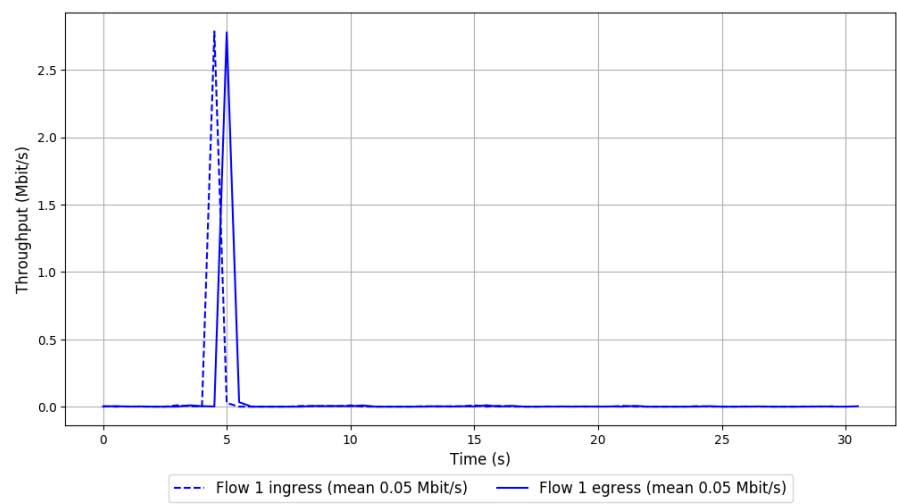
-- Flow 1:

Average throughput: 0.05 Mbit/s

95th percentile per-packet one-way delay: 34.585 ms

Loss rate: 0.00%

Run 3: Report of WebRTC media — Data Link



Run 4: Statistics of WebRTC media

Start at: 2019-08-26 19:11:00

End at: 2019-08-26 19:11:30

Local clock offset: -4.924 ms

Remote clock offset: 5.966 ms

Below is generated by plot.py at 2019-08-26 20:18:08

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.05 Mbit/s

95th percentile per-packet one-way delay: 34.555 ms

Loss rate: 0.00%

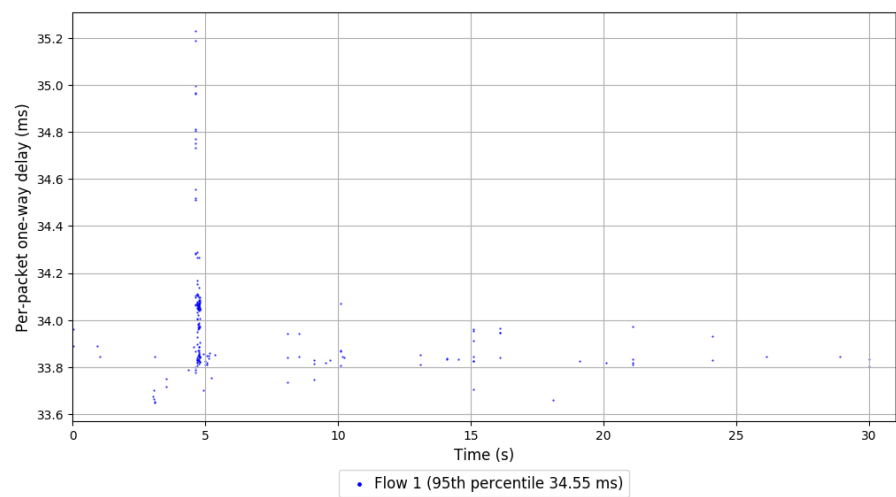
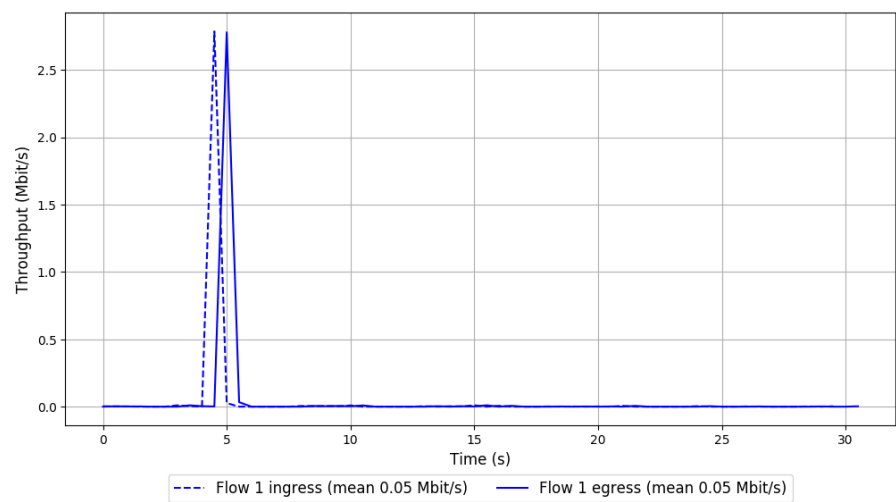
-- Flow 1:

Average throughput: 0.05 Mbit/s

95th percentile per-packet one-way delay: 34.555 ms

Loss rate: 0.00%

Run 4: Report of WebRTC media — Data Link



Run 5: Statistics of WebRTC media

Start at: 2019-08-26 19:40:03

End at: 2019-08-26 19:40:33

Local clock offset: -5.68 ms

Remote clock offset: 6.496 ms

Below is generated by plot.py at 2019-08-26 20:18:08

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.05 Mbit/s

95th percentile per-packet one-way delay: 34.646 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 0.05 Mbit/s

95th percentile per-packet one-way delay: 34.646 ms

Loss rate: 0.00%

Run 5: Report of WebRTC media — Data Link

