

Pantheon Report

Generated at 2020-02-18 02:54:20 (UTC).

Data path: GCE Tokyo on `ens4` (*local*) → GCE London on `ens4` (*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.google.com` and have been applied to correct the timestamps in logs.

System info:

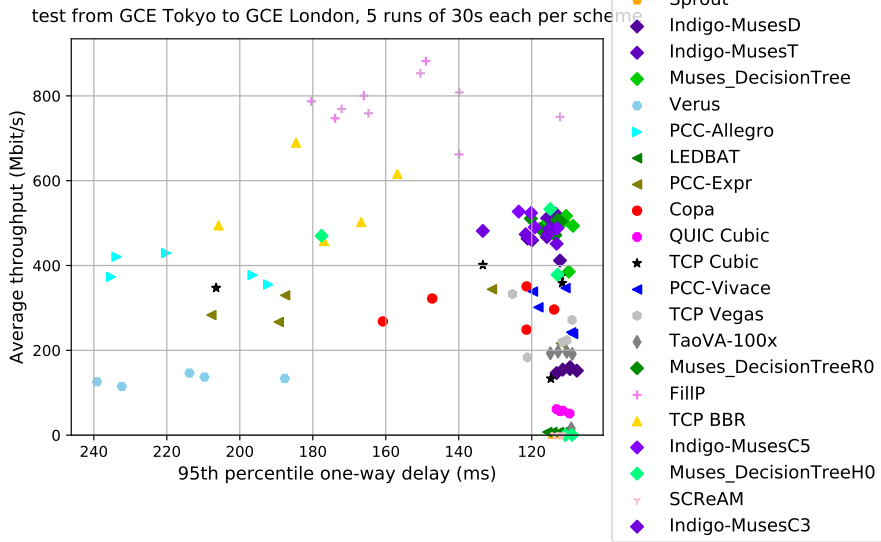
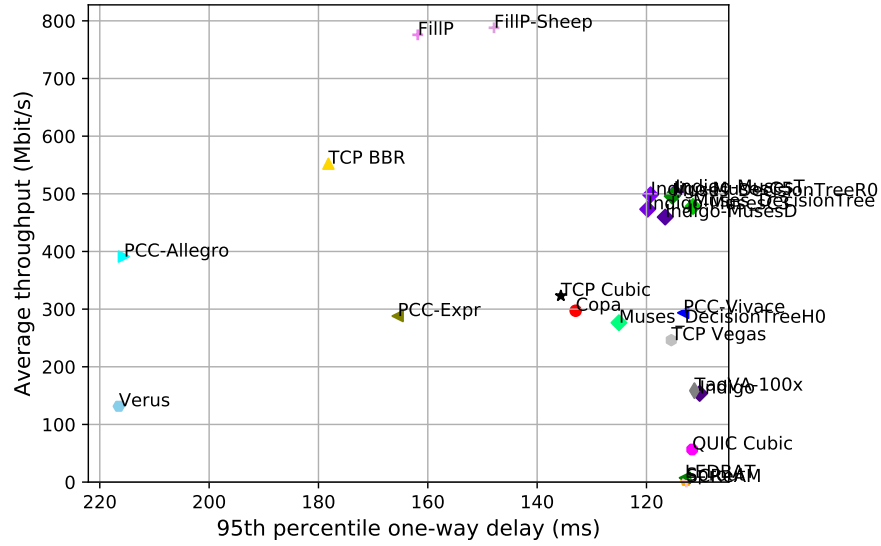
```
Linux 5.0.0-1026-gcp
net.core.default_qdisc = fq
net.core.rmem_default = 16777216
net.core.rmem_max = 536870912
net.core.wmem_default = 16777216
net.core.wmem_max = 536870912
net.ipv4.tcp_rmem = 4096 16777216 536870912
net.ipv4.tcp_wmem = 4096 16777216 536870912
```

Git summary:

```
branch: muses @ de42328552b3776a75a932a94dfafd722537b0ec
third_party/fillp @ d6da1459332fcee56963885d7eba17e6a32d4519
third_party/fillp-sheep @ 0e5bb722943babcd2b090d2c64fcd45e12e923f9
third_party/genericCC @ d0153f8e594aa89e93b032143cedbdf58e562f4
third_party/indigo @ 2601c92e4aa9d58d38dc4dfe0ecd90c077e64d
third_party/libutp @ b3465b942e2826f2b179eaab4a906ce6bb7cf3cf
third_party/muses @ 5ce721187ad823da20955337730c746486ca4966
third_party/muses_dtree @ 387225f7b5f61ddbe92d708a8869ffbb84eb3200
third_party/pantheon-tunnel @ f866d3f58d27afd942717625ee3a354cc2e802bd
third_party/pcc @ 1afc958fa0d66d18b623c091a55fec872b4981e1
M receiver/src/buffer.h
M receiver/src/core.cpp
M sender/src/buffer.h
M sender/src/core.cpp
third_party/pcc-experimental @ cd43e34e3f5f5613e8acd08fab92c4eb24f974ab
third_party/proto-quick @ 77961f1a82733a86b42f1bc8143ebc978f3cff42
third_party/scream-reproduce @ f099118d1421aa3131bf11ff1964974e1da3bdb2
M src/ScreamClient
M src/ScreamServer
third_party/sprout @ 366e35c6178b01e31d4a46ad18c74f9415f19a26
M src/examples/cellsim.cc
M src/examples/sproutbt2.cc
M src/network/sproutconn.cc
third_party/verus @ d4b447ea74c6c60a261149af2629562939f9a494
M src/verus.hpp
M tools/plot.py
```

third_party/vivace @ 2baf86211435ae071a32f96b7d8c504587f5d7f4
third_party/webrtc @ 3f0cc2a9061a41b6f9dde4735770d143a1fa2851

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



scheme	# runs	mean avg tput (Mbit/s) flow 1	mean 95th-%ile delay (ms) flow 1	mean loss rate (%) flow 1
TCP BBR	5	552.26	178.18	0.43
Copa	5	297.20	132.95	0.03
TCP Cubic	5	323.05	135.66	0.05
FillP	5	775.73	161.84	1.12
FillP-Sheep	5	787.96	147.89	0.57
Indigo	5	153.73	110.28	0.00
Indigo-MusesC3	5	473.27	119.79	0.00
Indigo-MusesC5	5	498.34	119.25	0.01
Indigo-MusesD	4	459.62	116.58	0.01
Indigo-MusesT	5	502.09	114.74	0.01
LEDBAT	5	7.37	112.98	0.03
Muses_DecisionTree	5	478.02	111.49	0.00
Muses_DecisionTreeH0	5	276.45	125.04	0.21
Muses_DecisionTreeR0	5	496.03	115.29	0.01
PCC-Allegro	5	391.13	215.59	1.42
PCC-Expr	5	287.97	165.52	0.44
QUIC Cubic	4	56.56	111.64	0.01
SCReAM	5	0.19	112.71	0.05
Sprout	5	2.53	112.79	0.00
TaoVA-100x	5	158.59	111.23	0.01
TCP Vegas	5	246.16	115.46	0.18
Verus	5	131.51	216.52	0.92
PCC-Vivace	5	293.58	113.29	0.00
WebRTC media	0	N/A	N/A	N/A

Run 1: Statistics of TCP BBR

Start at: 2020-02-17 21:39:34

End at: 2020-02-17 21:40:04

Local clock offset: -0.191 ms

Remote clock offset: 9.614 ms

Below is generated by plot.py at 2020-02-18 00:49:37

Datalink statistics

-- Total of 1 flow:

Average throughput: 502.78 Mbit/s

95th percentile per-packet one-way delay: 166.717 ms

Loss rate: 0.01%

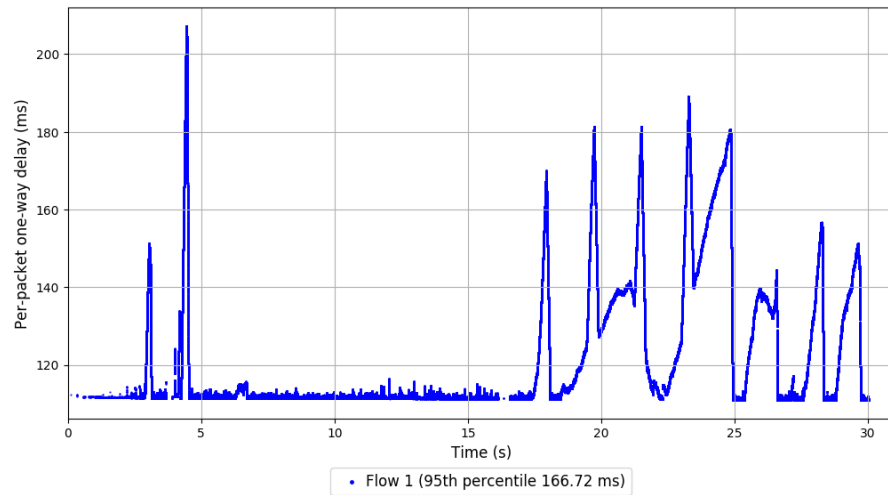
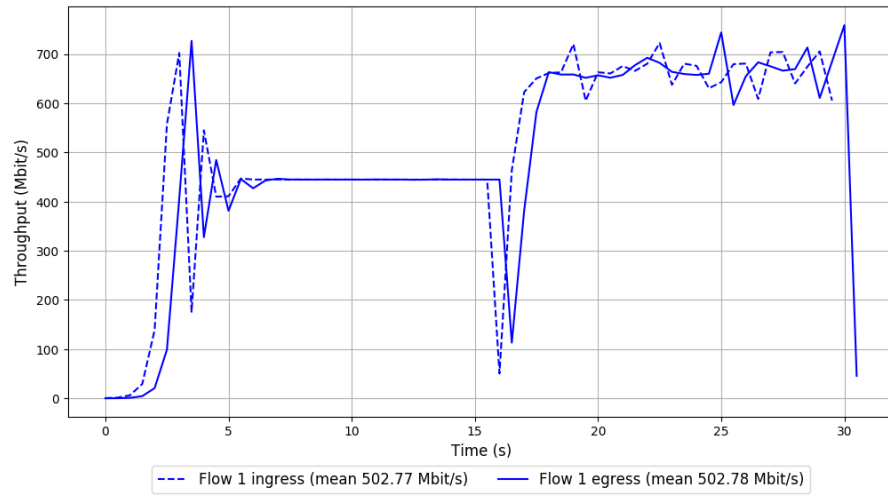
-- Flow 1:

Average throughput: 502.78 Mbit/s

95th percentile per-packet one-way delay: 166.717 ms

Loss rate: 0.01%

Run 1: Report of TCP BBR — Data Link



Run 2: Statistics of TCP BBR

Start at: 2020-02-17 22:15:23

End at: 2020-02-17 22:15:53

Local clock offset: 1.265 ms

Remote clock offset: 21.778 ms

Below is generated by plot.py at 2020-02-18 00:52:48

Datalink statistics

-- Total of 1 flow:

Average throughput: 689.94 Mbit/s

95th percentile per-packet one-way delay: 184.602 ms

Loss rate: 0.69%

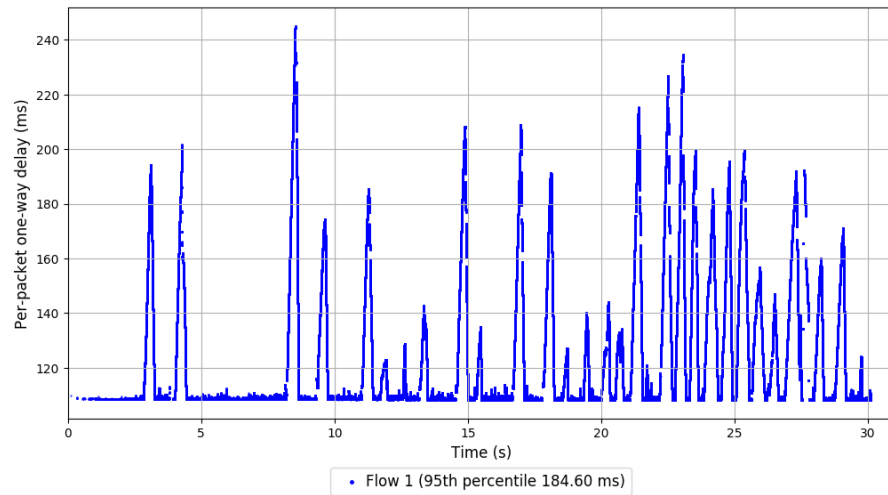
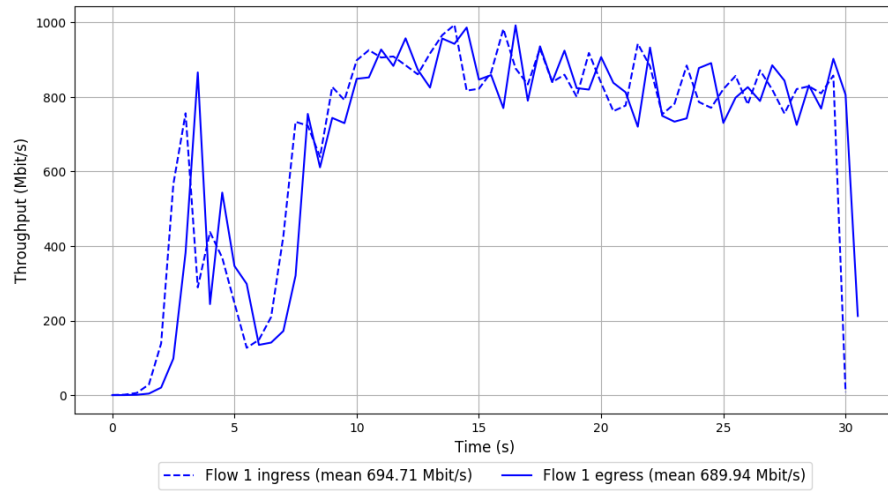
-- Flow 1:

Average throughput: 689.94 Mbit/s

95th percentile per-packet one-way delay: 184.602 ms

Loss rate: 0.69%

Run 2: Report of TCP BBR — Data Link

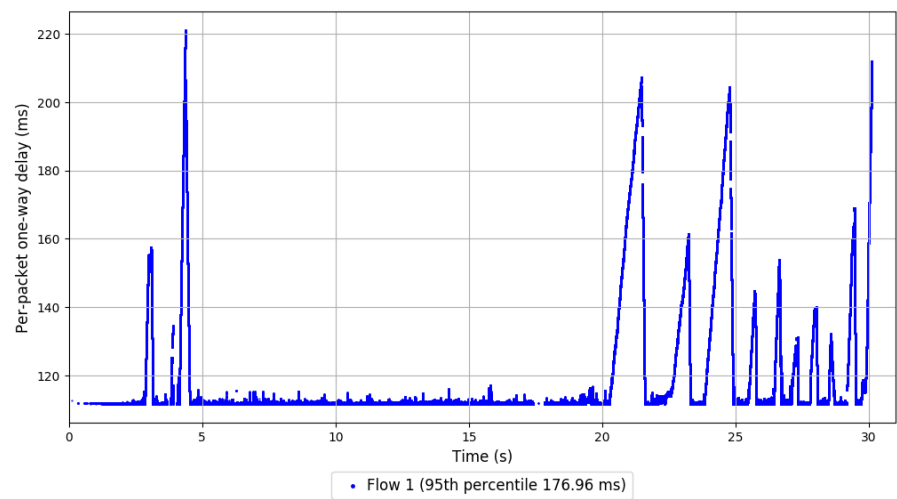
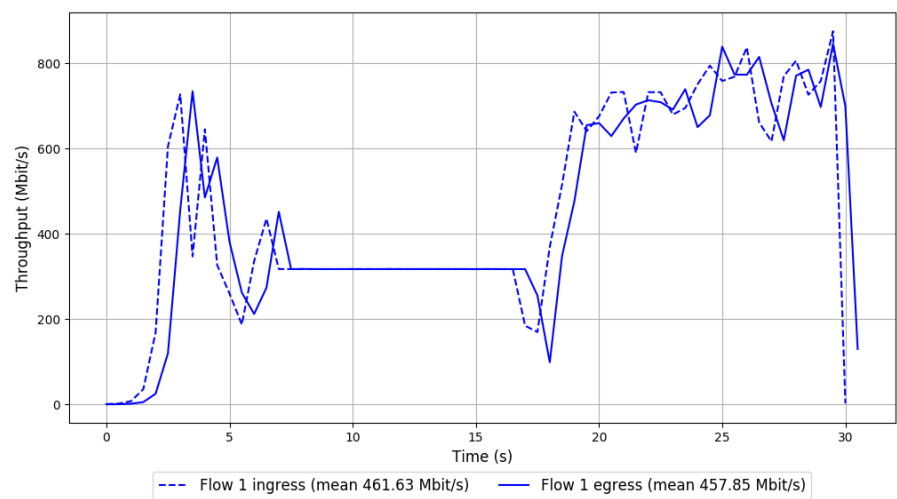


Run 3: Statistics of TCP BBR

Start at: 2020-02-17 22:50:53
End at: 2020-02-17 22:51:23
Local clock offset: -0.269 ms
Remote clock offset: 15.894 ms

Below is generated by plot.py at 2020-02-18 00:52:48
Datalink statistics
-- Total of 1 flow:
Average throughput: 457.85 Mbit/s
95th percentile per-packet one-way delay: 176.960 ms
Loss rate: 0.81%
-- Flow 1:
Average throughput: 457.85 Mbit/s
95th percentile per-packet one-way delay: 176.960 ms
Loss rate: 0.81%

Run 3: Report of TCP BBR — Data Link



Run 4: Statistics of TCP BBR

Start at: 2020-02-17 23:26:39

End at: 2020-02-17 23:27:09

Local clock offset: -0.544 ms

Remote clock offset: 7.635 ms

Below is generated by plot.py at 2020-02-18 00:52:48

Datalink statistics

-- Total of 1 flow:

Average throughput: 494.74 Mbit/s

95th percentile per-packet one-way delay: 205.823 ms

Loss rate: 0.63%

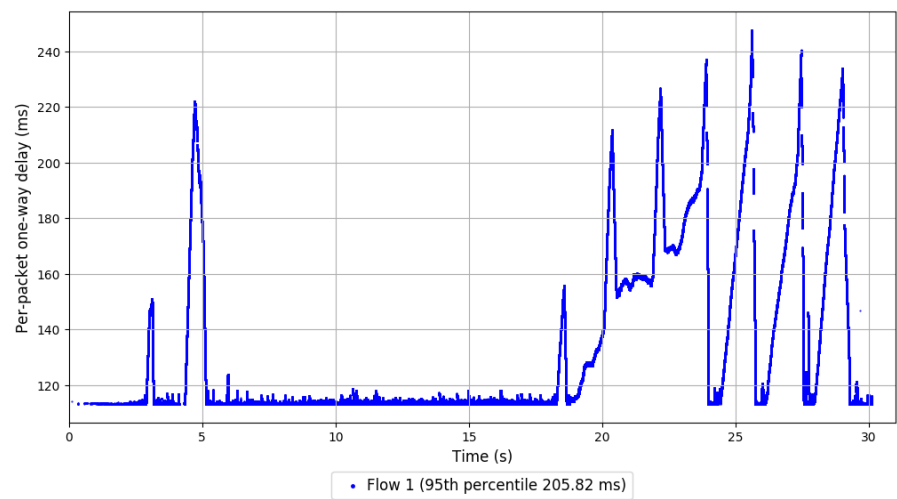
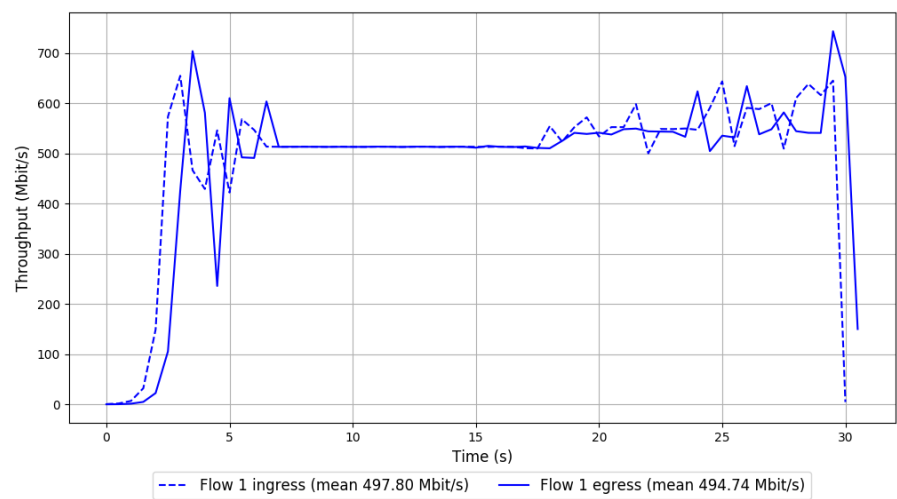
-- Flow 1:

Average throughput: 494.74 Mbit/s

95th percentile per-packet one-way delay: 205.823 ms

Loss rate: 0.63%

Run 4: Report of TCP BBR — Data Link



Run 5: Statistics of TCP BBR

Start at: 2020-02-18 00:02:10

End at: 2020-02-18 00:02:40

Local clock offset: -0.021 ms

Remote clock offset: 2.277 ms

Below is generated by plot.py at 2020-02-18 00:52:48

Datalink statistics

-- Total of 1 flow:

Average throughput: 616.01 Mbit/s

95th percentile per-packet one-way delay: 156.822 ms

Loss rate: 0.00%

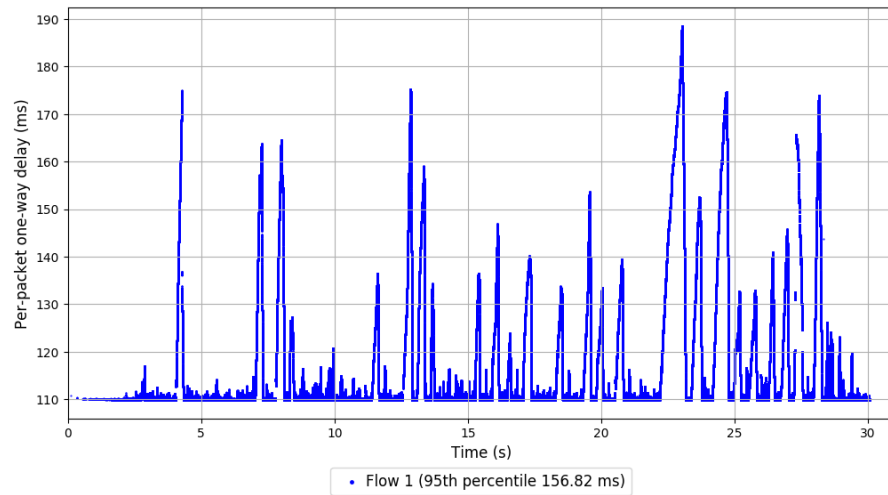
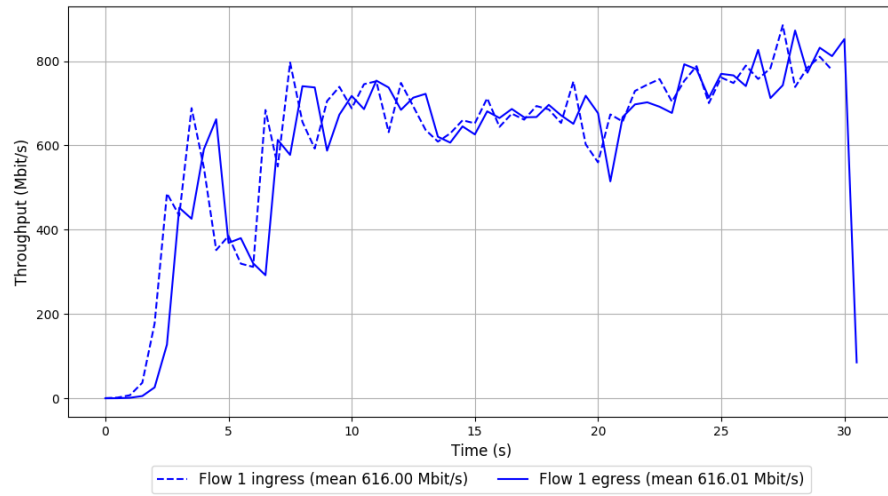
-- Flow 1:

Average throughput: 616.01 Mbit/s

95th percentile per-packet one-way delay: 156.822 ms

Loss rate: 0.00%

Run 5: Report of TCP BBR — Data Link



Run 1: Statistics of Copa

Start at: 2020-02-17 21:30:57

End at: 2020-02-17 21:31:27

Local clock offset: 0.094 ms

Remote clock offset: 4.838 ms

Below is generated by plot.py at 2020-02-18 00:52:48

Datalink statistics

-- Total of 1 flow:

Average throughput: 322.17 Mbit/s

95th percentile per-packet one-way delay: 147.275 ms

Loss rate: 0.03%

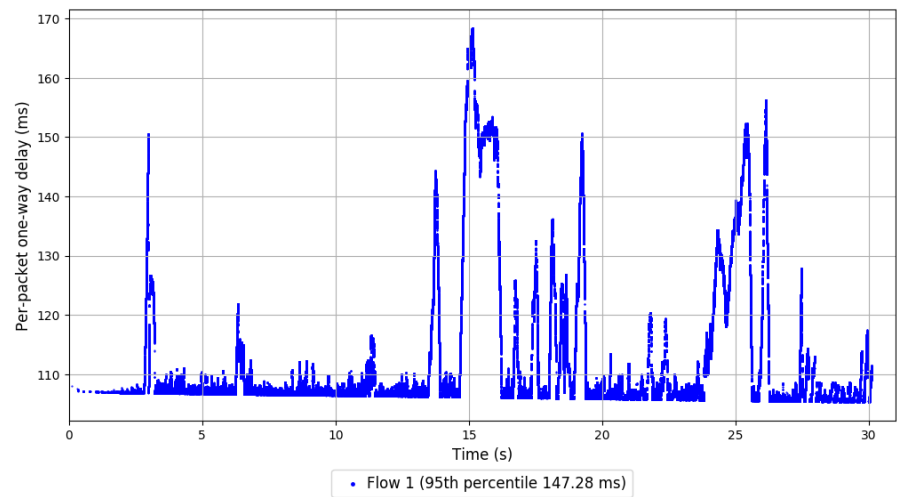
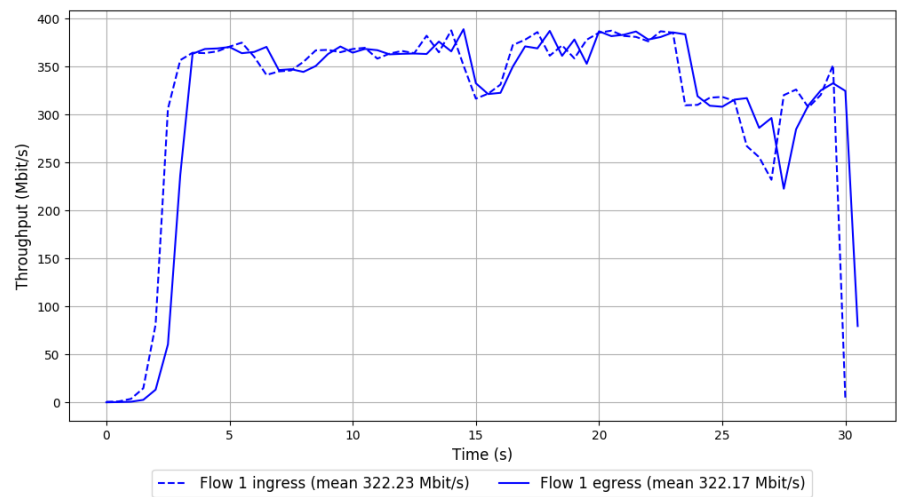
-- Flow 1:

Average throughput: 322.17 Mbit/s

95th percentile per-packet one-way delay: 147.275 ms

Loss rate: 0.03%

Run 1: Report of Copa — Data Link

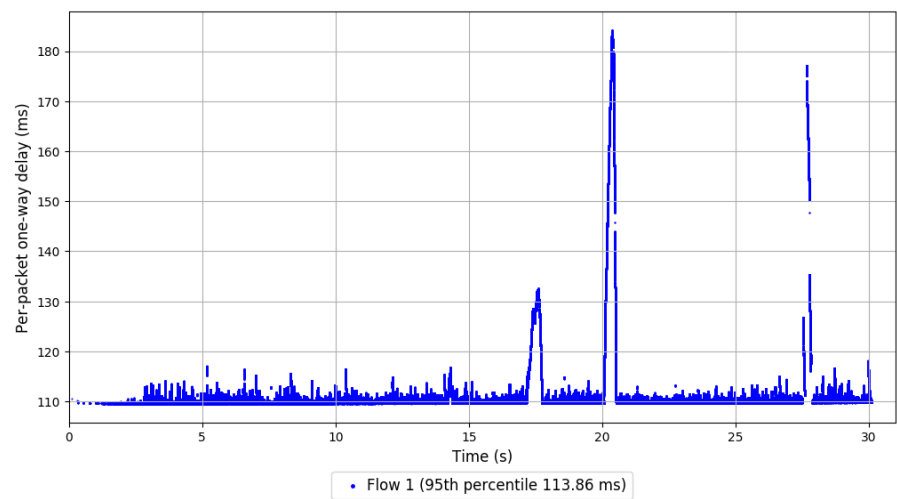
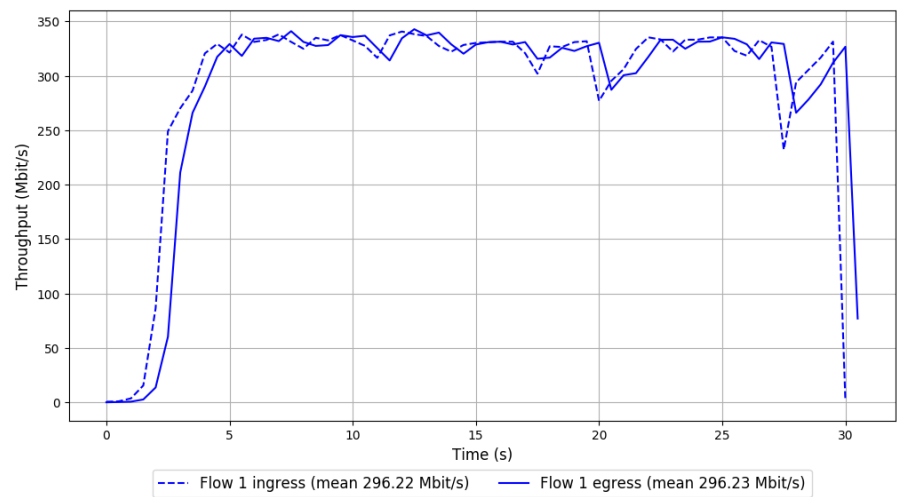


Run 2: Statistics of Copa

Start at: 2020-02-17 22:06:13
End at: 2020-02-17 22:06:43
Local clock offset: -0.211 ms
Remote clock offset: 21.595 ms

Below is generated by plot.py at 2020-02-18 00:52:48
Datalink statistics
-- Total of 1 flow:
Average throughput: 296.23 Mbit/s
95th percentile per-packet one-way delay: 113.861 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 296.23 Mbit/s
95th percentile per-packet one-way delay: 113.861 ms
Loss rate: 0.00%

Run 2: Report of Copa — Data Link

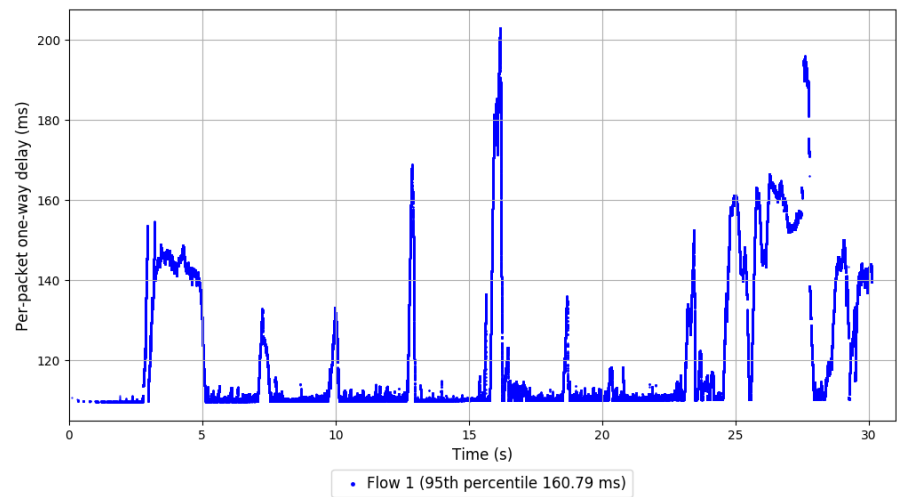
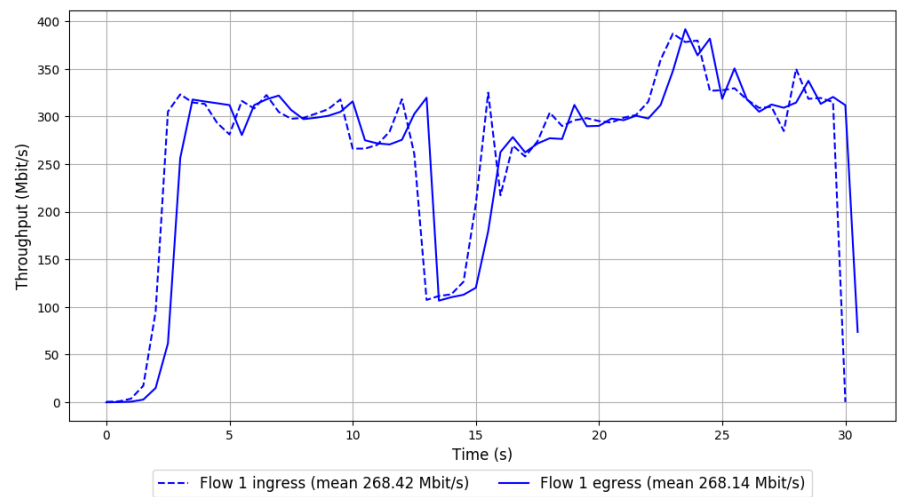


Run 3: Statistics of Copa

Start at: 2020-02-17 22:42:12
End at: 2020-02-17 22:42:42
Local clock offset: -0.086 ms
Remote clock offset: 23.233 ms

Below is generated by plot.py at 2020-02-18 00:52:48
Datalink statistics
-- Total of 1 flow:
Average throughput: 268.14 Mbit/s
95th percentile per-packet one-way delay: 160.789 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 268.14 Mbit/s
95th percentile per-packet one-way delay: 160.789 ms
Loss rate: 0.09%

Run 3: Report of Copa — Data Link

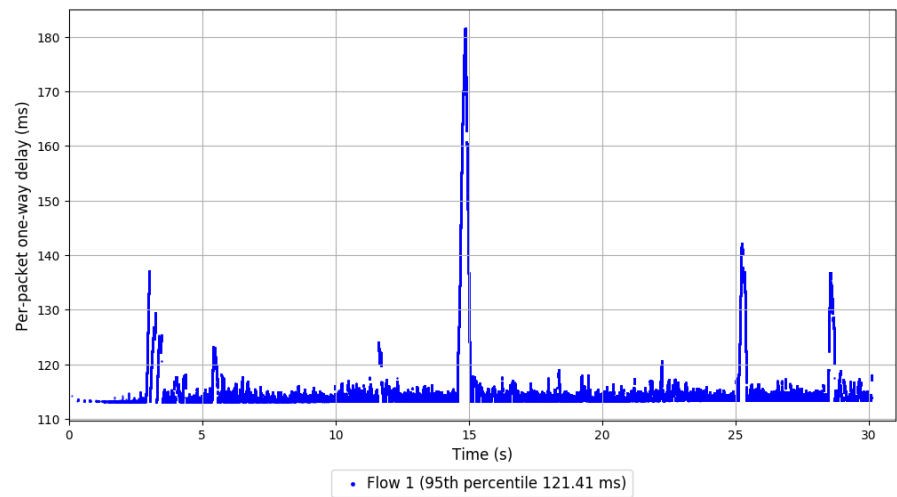
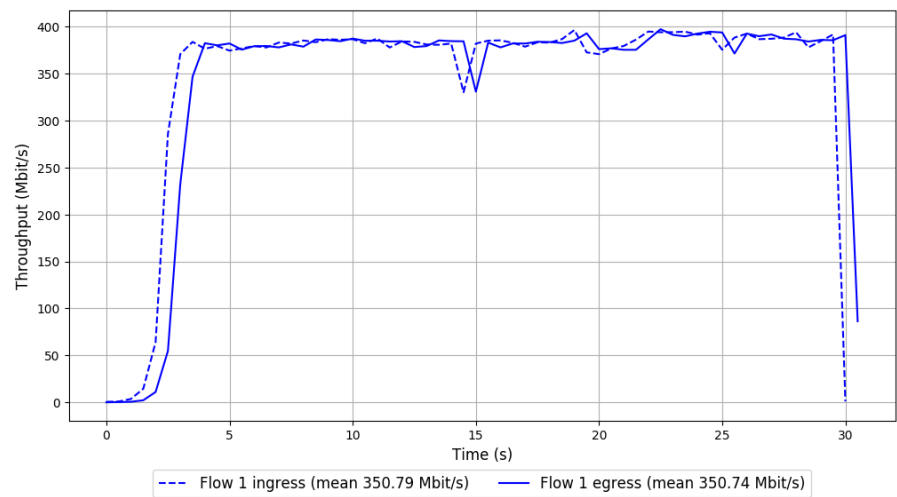


Run 4: Statistics of Copa

Start at: 2020-02-17 23:17:18
End at: 2020-02-17 23:17:48
Local clock offset: -1.293 ms
Remote clock offset: 10.892 ms

Below is generated by plot.py at 2020-02-18 01:03:00
Datalink statistics
-- Total of 1 flow:
Average throughput: 350.74 Mbit/s
95th percentile per-packet one-way delay: 121.413 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 350.74 Mbit/s
95th percentile per-packet one-way delay: 121.413 ms
Loss rate: 0.02%

Run 4: Report of Copa — Data Link



Run 5: Statistics of Copa

Start at: 2020-02-17 23:52:51

End at: 2020-02-17 23:53:21

Local clock offset: 0.783 ms

Remote clock offset: 4.082 ms

Below is generated by plot.py at 2020-02-18 01:03:00

Datalink statistics

-- Total of 1 flow:

Average throughput: 248.73 Mbit/s

95th percentile per-packet one-way delay: 121.436 ms

Loss rate: 0.01%

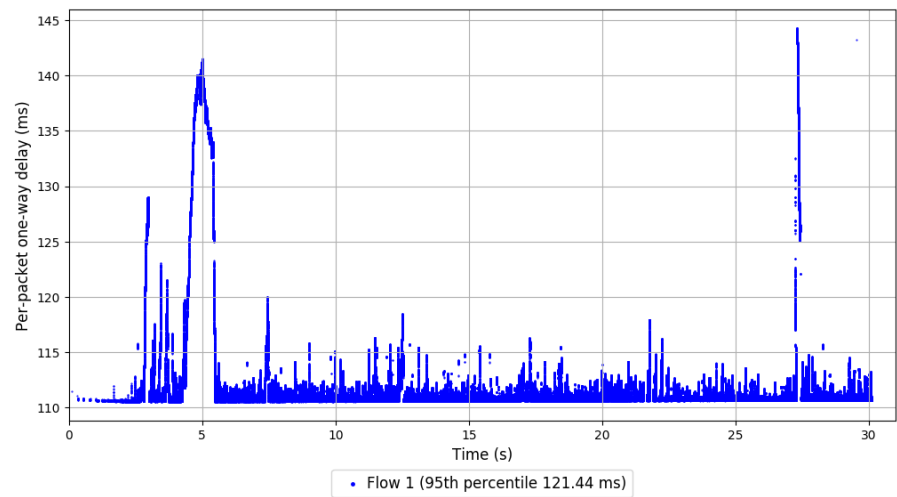
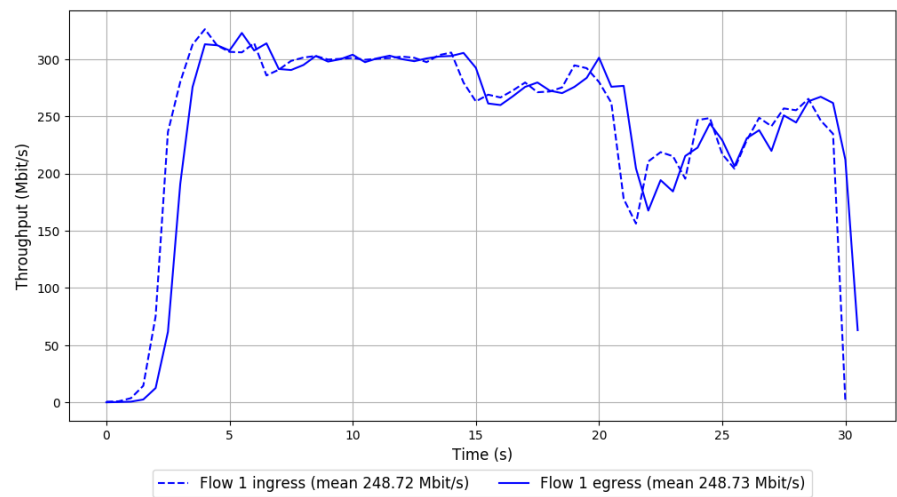
-- Flow 1:

Average throughput: 248.73 Mbit/s

95th percentile per-packet one-way delay: 121.436 ms

Loss rate: 0.01%

Run 5: Report of Copa — Data Link

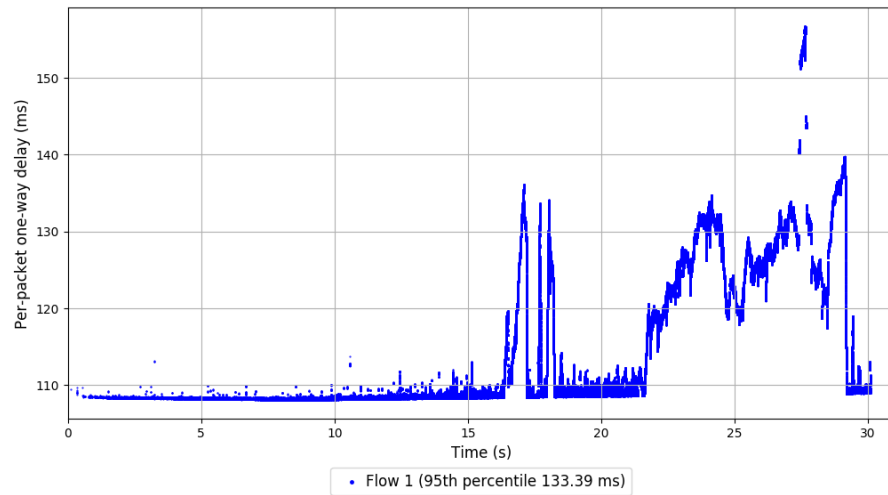
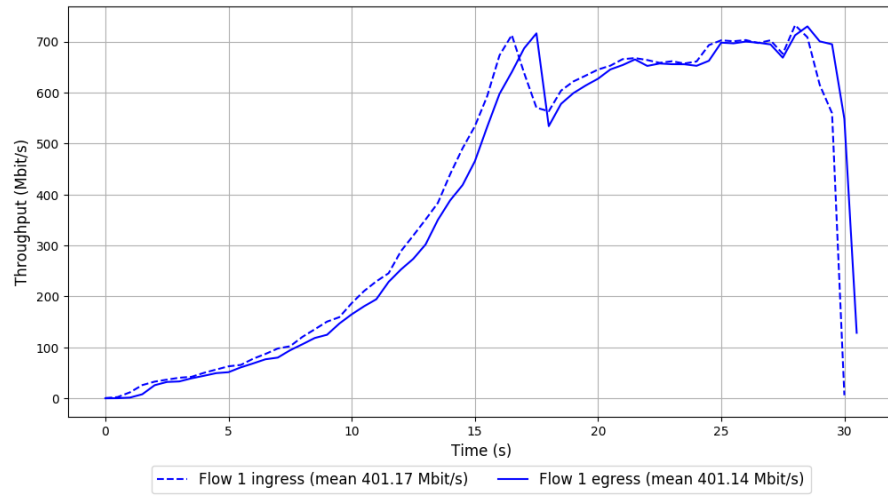


Run 1: Statistics of TCP Cubic

Start at: 2020-02-17 21:44:18
End at: 2020-02-17 21:44:48
Local clock offset: -0.059 ms
Remote clock offset: 18.005 ms

Below is generated by plot.py at 2020-02-18 01:03:00
Datalink statistics
-- Total of 1 flow:
Average throughput: 401.14 Mbit/s
95th percentile per-packet one-way delay: 133.388 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 401.14 Mbit/s
95th percentile per-packet one-way delay: 133.388 ms
Loss rate: 0.00%

Run 1: Report of TCP Cubic — Data Link

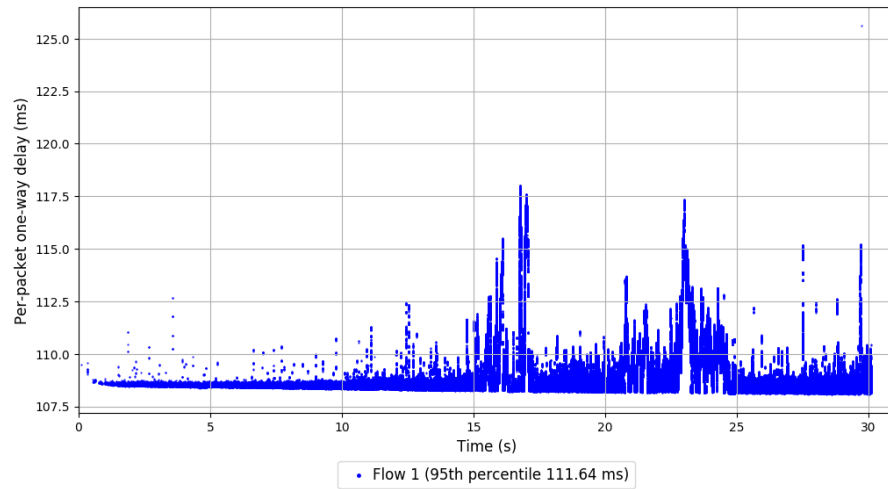
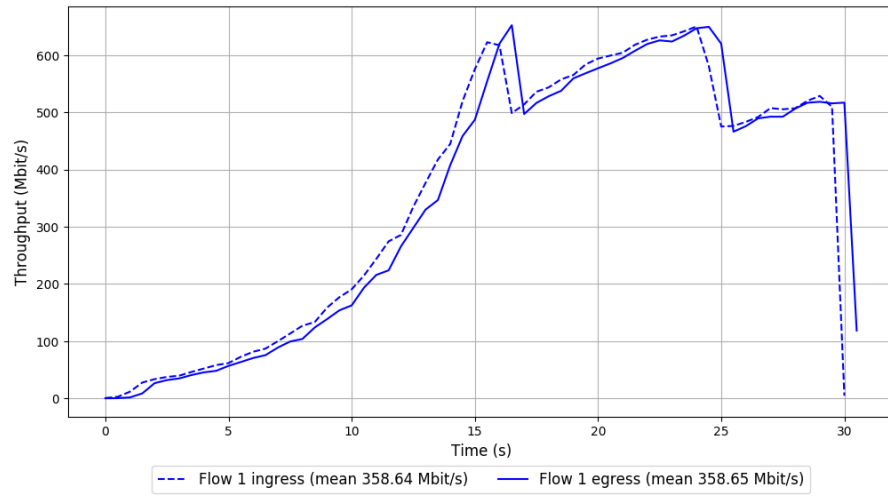


Run 2: Statistics of TCP Cubic

Start at: 2020-02-17 22:20:20
End at: 2020-02-17 22:20:50
Local clock offset: -0.168 ms
Remote clock offset: 25.395 ms

Below is generated by plot.py at 2020-02-18 01:03:00
Datalink statistics
-- Total of 1 flow:
Average throughput: 358.65 Mbit/s
95th percentile per-packet one-way delay: 111.645 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 358.65 Mbit/s
95th percentile per-packet one-way delay: 111.645 ms
Loss rate: 0.00%

Run 2: Report of TCP Cubic — Data Link

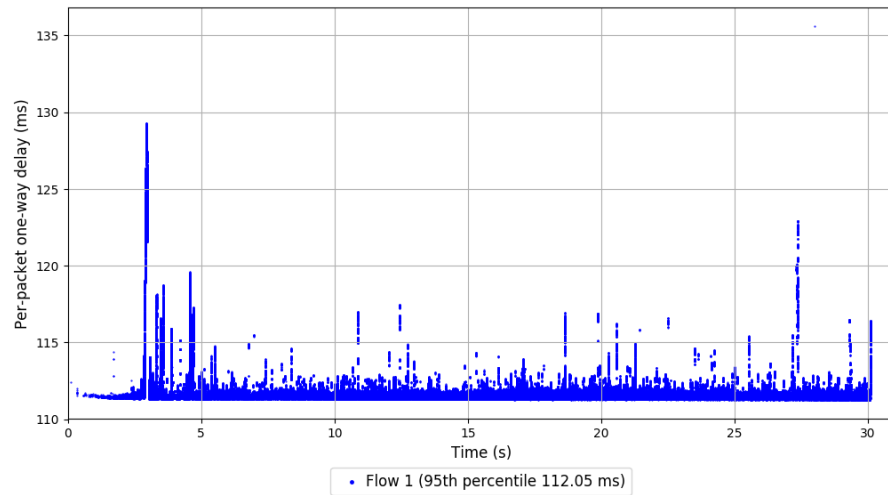
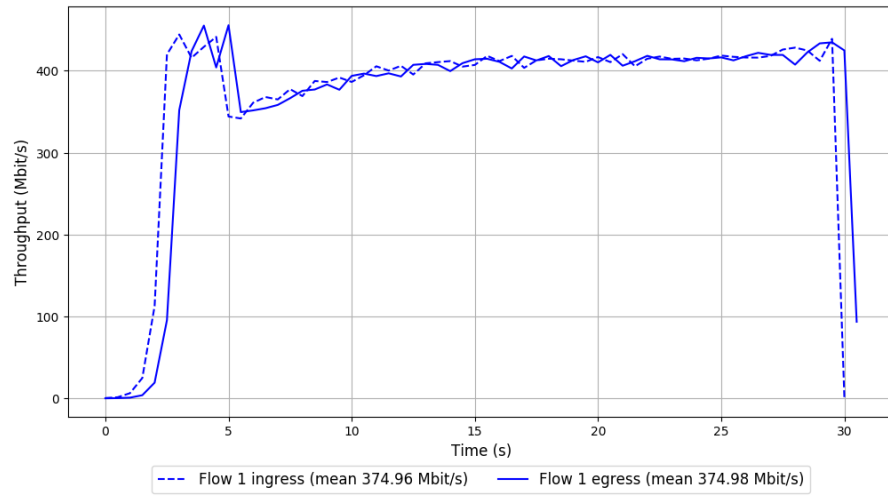


Run 3: Statistics of TCP Cubic

Start at: 2020-02-17 22:55:42
End at: 2020-02-17 22:56:12
Local clock offset: -0.056 ms
Remote clock offset: 15.679 ms

Below is generated by plot.py at 2020-02-18 01:03:00
Datalink statistics
-- Total of 1 flow:
Average throughput: 374.98 Mbit/s
95th percentile per-packet one-way delay: 112.048 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 374.98 Mbit/s
95th percentile per-packet one-way delay: 112.048 ms
Loss rate: 0.00%

Run 3: Report of TCP Cubic — Data Link



Run 4: Statistics of TCP Cubic

Start at: 2020-02-17 23:31:28

End at: 2020-02-17 23:31:58

Local clock offset: -0.036 ms

Remote clock offset: 7.728 ms

Below is generated by plot.py at 2020-02-18 01:03:00

Datalink statistics

-- Total of 1 flow:

Average throughput: 347.21 Mbit/s

95th percentile per-packet one-way delay: 206.486 ms

Loss rate: 0.18%

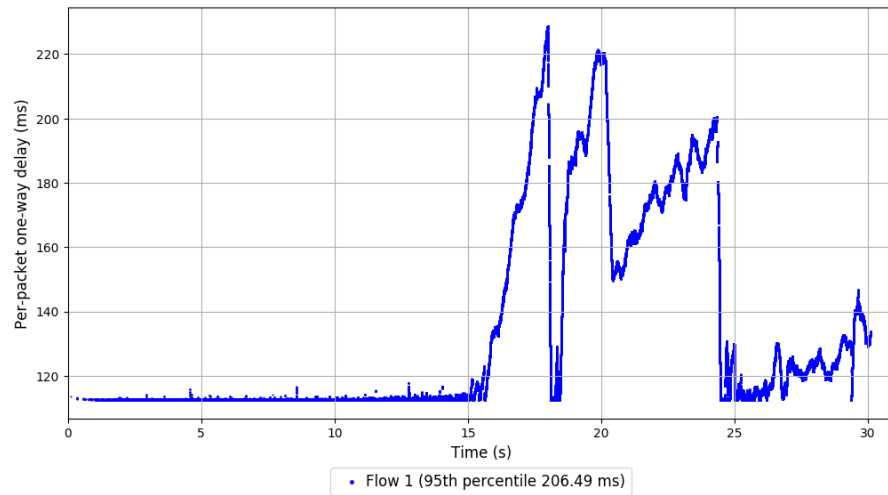
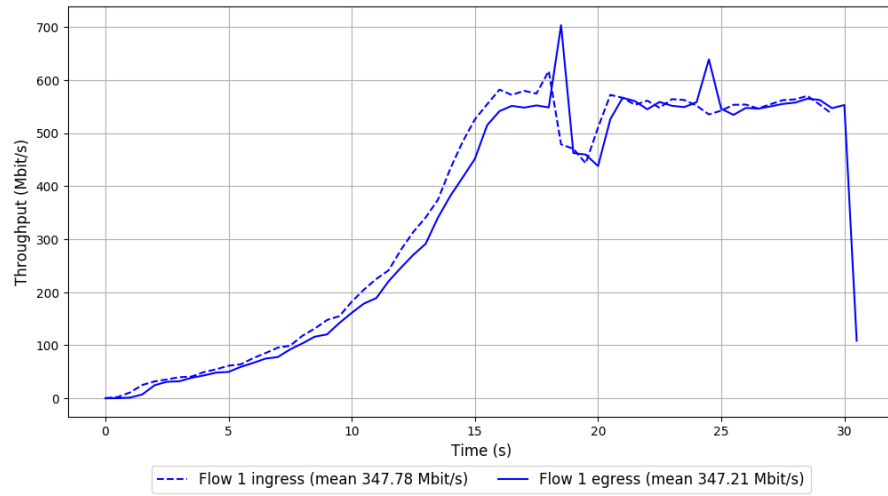
-- Flow 1:

Average throughput: 347.21 Mbit/s

95th percentile per-packet one-way delay: 206.486 ms

Loss rate: 0.18%

Run 4: Report of TCP Cubic — Data Link



Run 5: Statistics of TCP Cubic

Start at: 2020-02-18 00:07:03

End at: 2020-02-18 00:07:33

Local clock offset: -1.277 ms

Remote clock offset: 2.091 ms

Below is generated by plot.py at 2020-02-18 01:03:00

Datalink statistics

-- Total of 1 flow:

Average throughput: 133.25 Mbit/s

95th percentile per-packet one-way delay: 114.754 ms

Loss rate: 0.07%

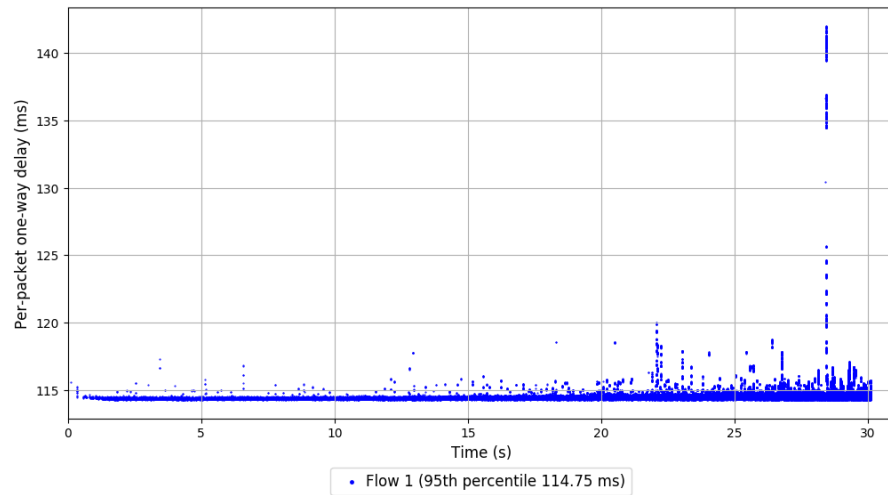
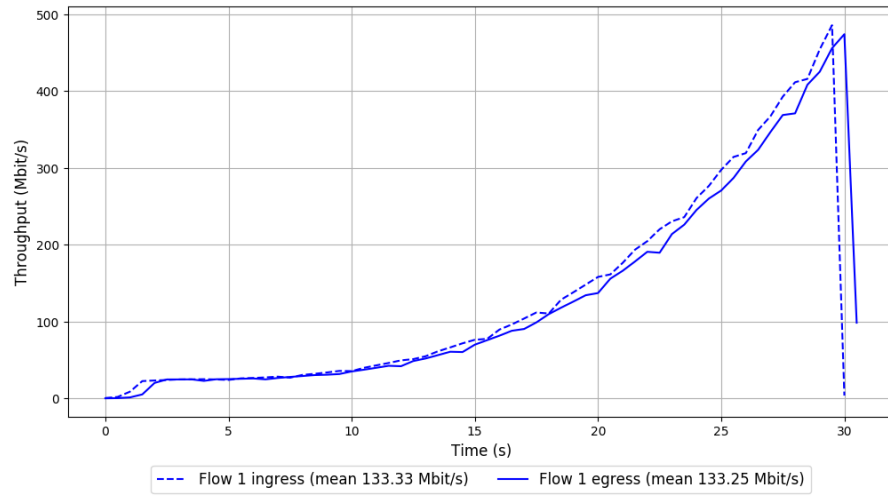
-- Flow 1:

Average throughput: 133.25 Mbit/s

95th percentile per-packet one-way delay: 114.754 ms

Loss rate: 0.07%

Run 5: Report of TCP Cubic — Data Link

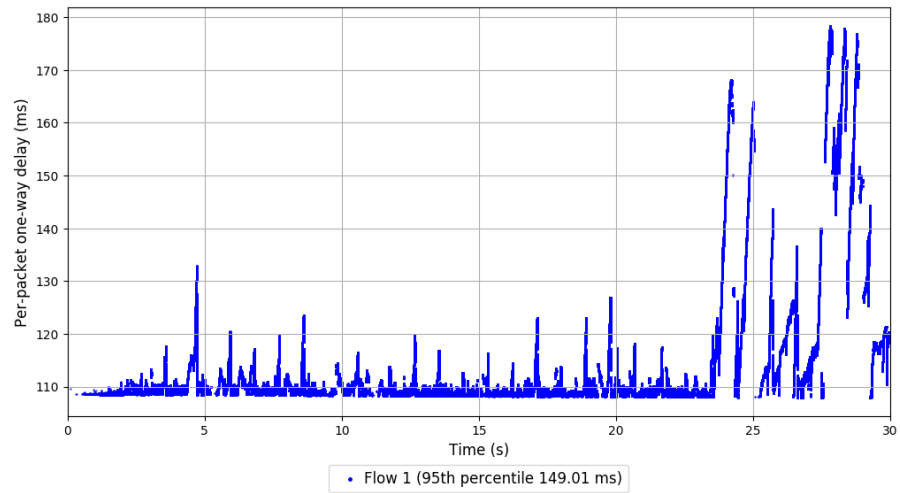
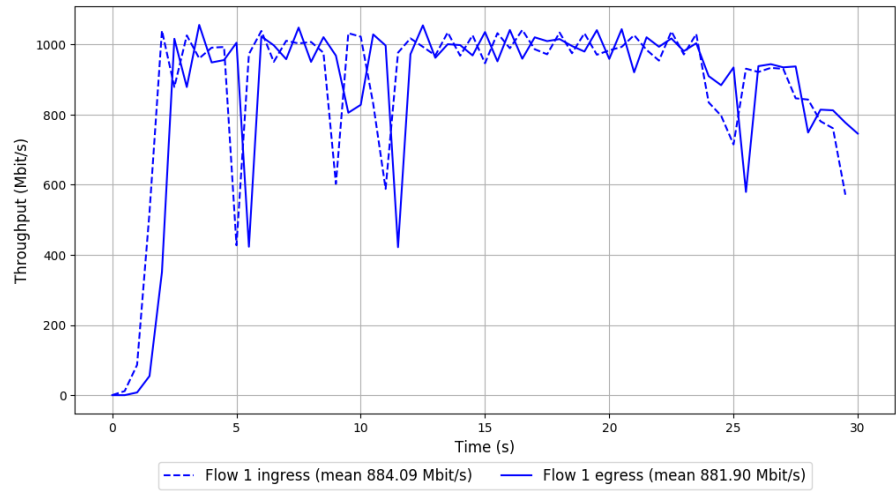


Run 1: Statistics of FillP

Start at: 2020-02-17 21:54:30
End at: 2020-02-17 21:55:00
Local clock offset: -0.824 ms
Remote clock offset: 17.429 ms

Below is generated by plot.py at 2020-02-18 01:19:09
Datalink statistics
-- Total of 1 flow:
Average throughput: 881.90 Mbit/s
95th percentile per-packet one-way delay: 149.007 ms
Loss rate: 0.25%
-- Flow 1:
Average throughput: 881.90 Mbit/s
95th percentile per-packet one-way delay: 149.007 ms
Loss rate: 0.25%

Run 1: Report of FillP — Data Link

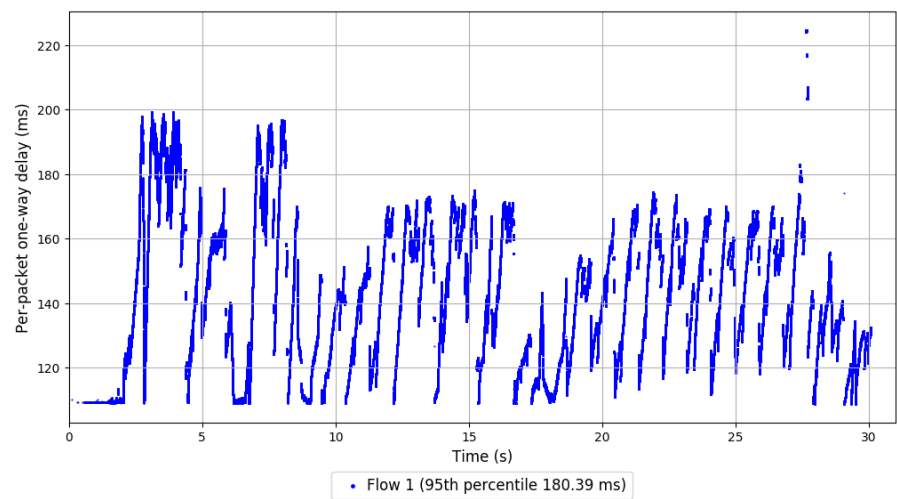
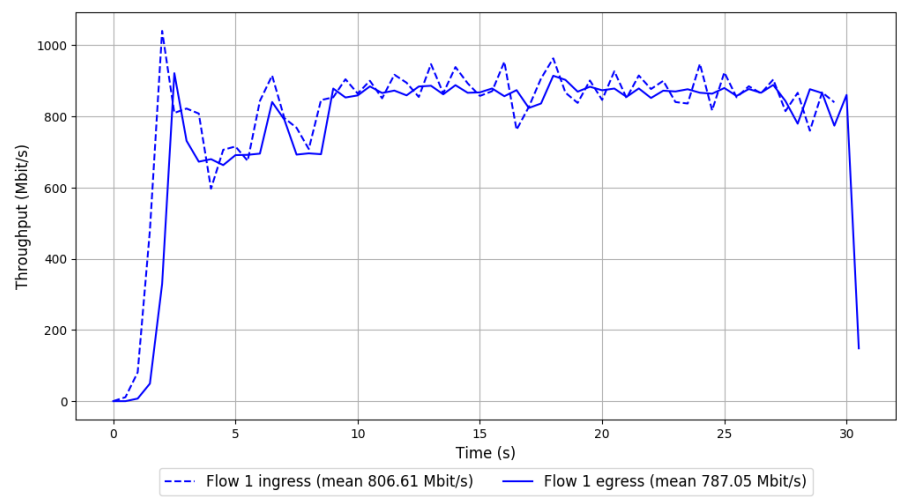


Run 2: Statistics of FillP

Start at: 2020-02-17 22:30:29
End at: 2020-02-17 22:30:59
Local clock offset: -0.14 ms
Remote clock offset: 34.797 ms

Below is generated by plot.py at 2020-02-18 01:19:09
Datalink statistics
-- Total of 1 flow:
Average throughput: 787.05 Mbit/s
95th percentile per-packet one-way delay: 180.392 ms
Loss rate: 2.42%
-- Flow 1:
Average throughput: 787.05 Mbit/s
95th percentile per-packet one-way delay: 180.392 ms
Loss rate: 2.42%

Run 2: Report of FillP — Data Link



Run 3: Statistics of FillP

Start at: 2020-02-17 23:05:48

End at: 2020-02-17 23:06:18

Local clock offset: 0.048 ms

Remote clock offset: 18.47 ms

Below is generated by plot.py at 2020-02-18 01:19:09

Datalink statistics

-- Total of 1 flow:

Average throughput: 662.00 Mbit/s

95th percentile per-packet one-way delay: 139.924 ms

Loss rate: 0.45%

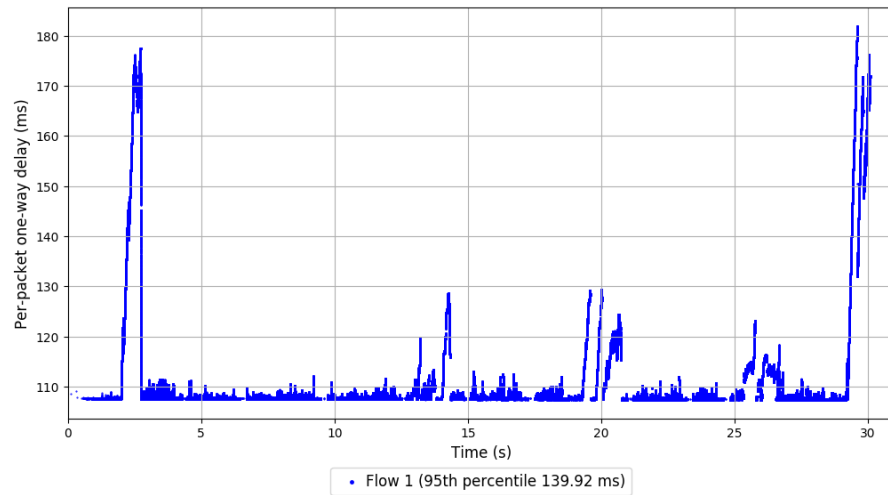
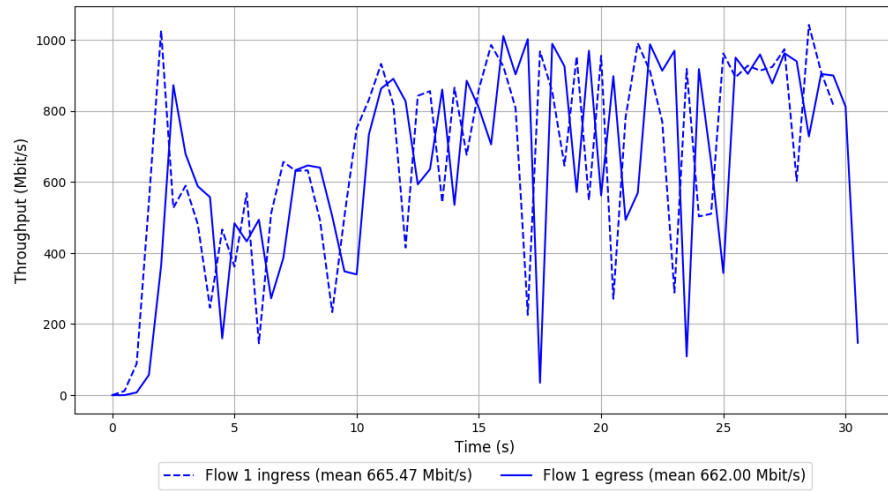
-- Flow 1:

Average throughput: 662.00 Mbit/s

95th percentile per-packet one-way delay: 139.924 ms

Loss rate: 0.45%

Run 3: Report of FillP — Data Link



Run 4: Statistics of FillP

Start at: 2020-02-17 23:41:31

End at: 2020-02-17 23:42:01

Local clock offset: 0.148 ms

Remote clock offset: 9.435 ms

Below is generated by plot.py at 2020-02-18 01:22:23

Datalink statistics

-- Total of 1 flow:

Average throughput: 800.63 Mbit/s

95th percentile per-packet one-way delay: 166.008 ms

Loss rate: 0.84%

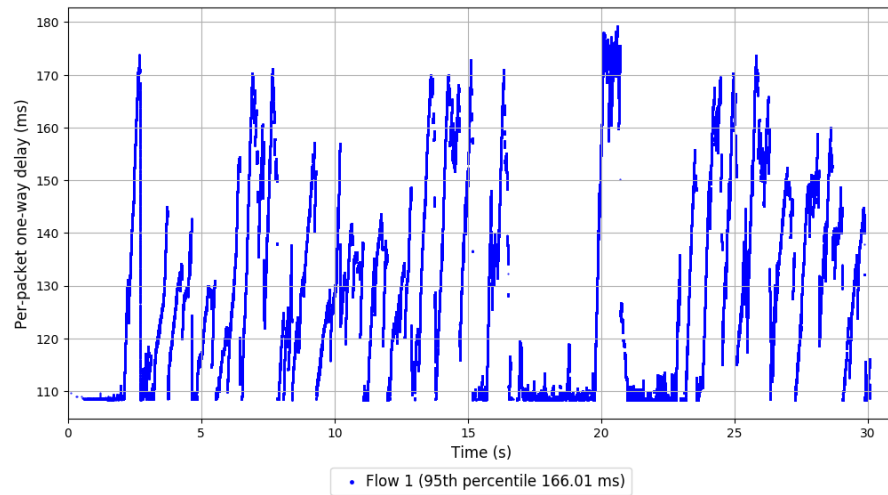
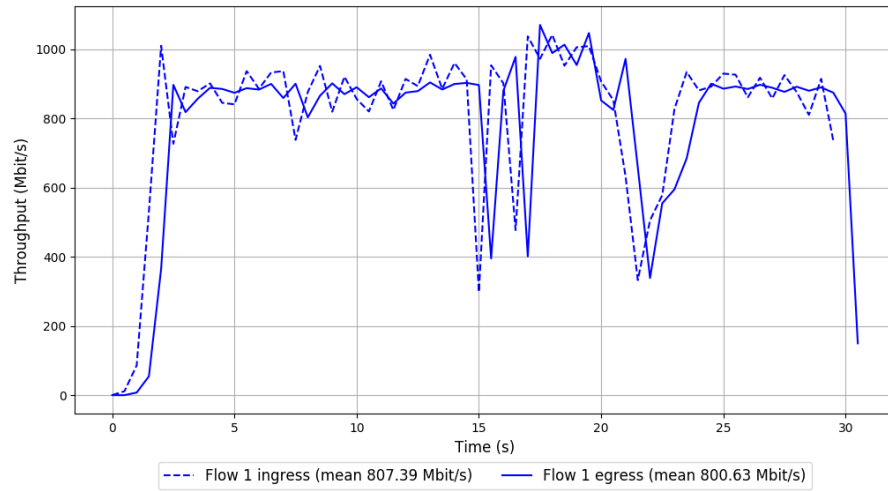
-- Flow 1:

Average throughput: 800.63 Mbit/s

95th percentile per-packet one-way delay: 166.008 ms

Loss rate: 0.84%

Run 4: Report of FillP — Data Link



Run 5: Statistics of FillP

Start at: 2020-02-18 00:17:05

End at: 2020-02-18 00:17:35

Local clock offset: -0.055 ms

Remote clock offset: 2.215 ms

Below is generated by plot.py at 2020-02-18 01:22:23

Datalink statistics

-- Total of 1 flow:

Average throughput: 747.07 Mbit/s

95th percentile per-packet one-way delay: 173.878 ms

Loss rate: 1.62%

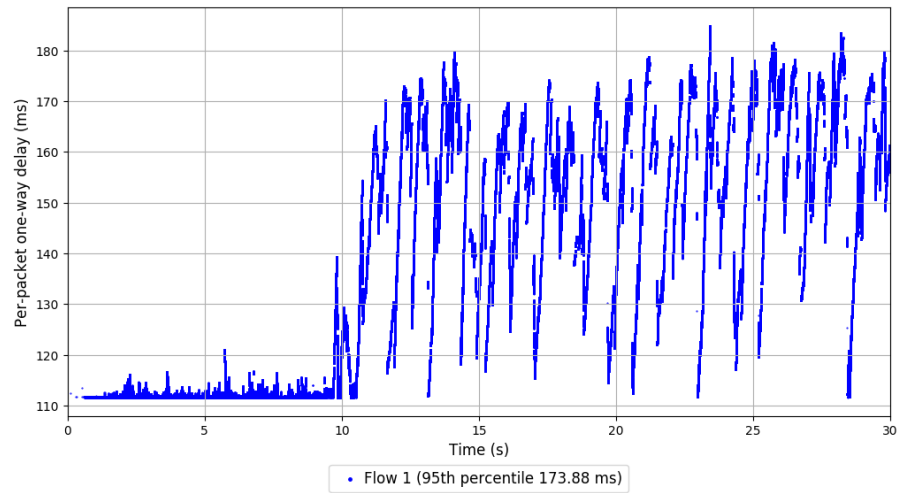
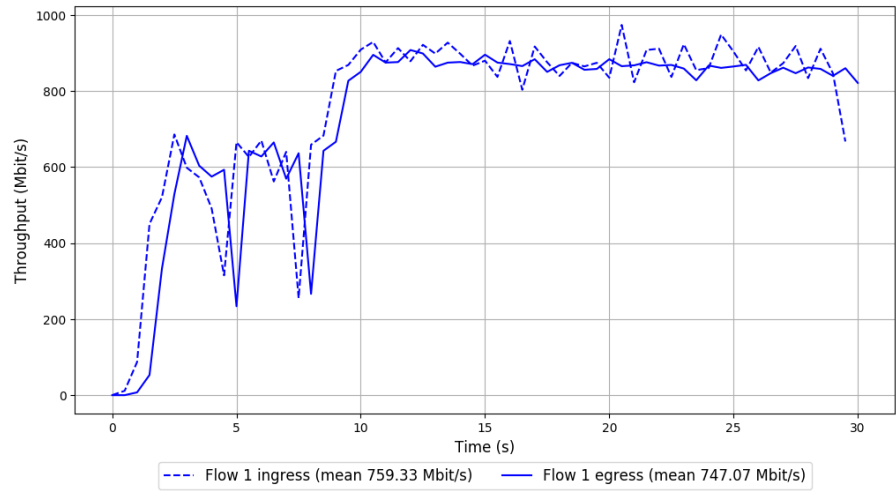
-- Flow 1:

Average throughput: 747.07 Mbit/s

95th percentile per-packet one-way delay: 173.878 ms

Loss rate: 1.62%

Run 5: Report of FillP — Data Link



Run 1: Statistics of FillP-Sheep

Start at: 2020-02-17 21:52:45

End at: 2020-02-17 21:53:15

Local clock offset: 0.398 ms

Remote clock offset: 15.57 ms

Below is generated by plot.py at 2020-02-18 01:22:59

Datalink statistics

-- Total of 1 flow:

Average throughput: 807.99 Mbit/s

95th percentile per-packet one-way delay: 139.870 ms

Loss rate: 0.19%

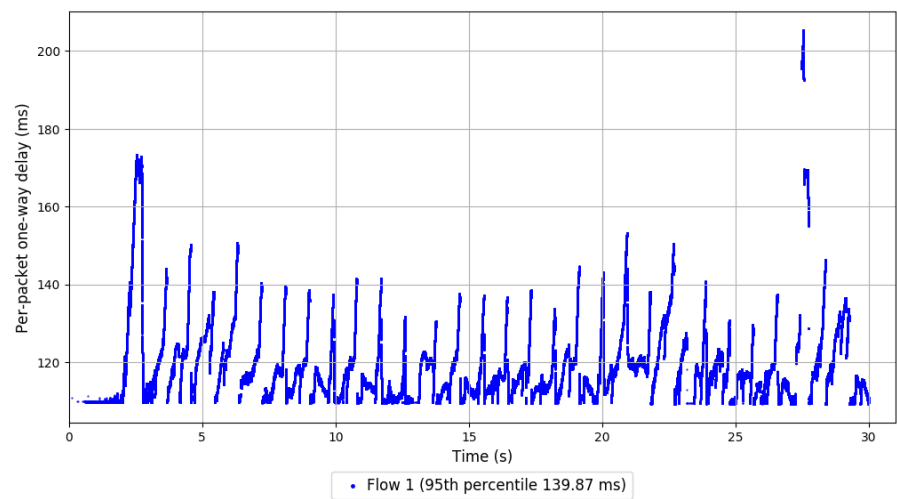
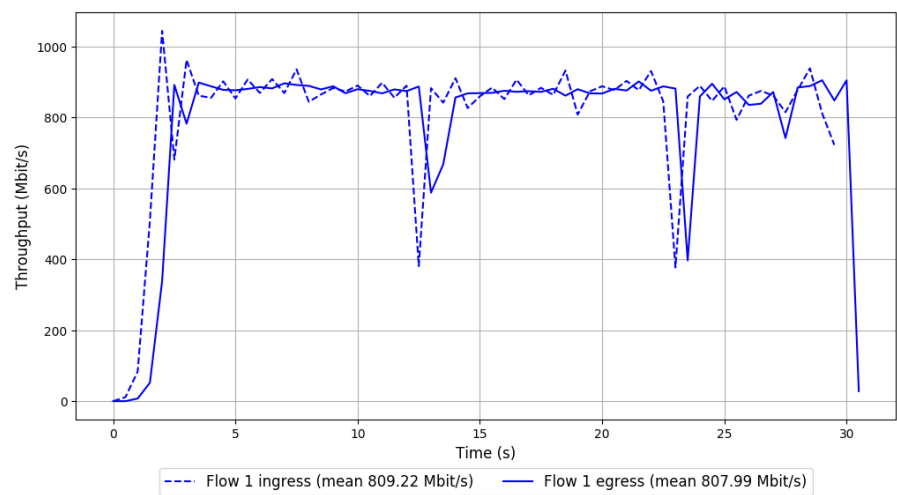
-- Flow 1:

Average throughput: 807.99 Mbit/s

95th percentile per-packet one-way delay: 139.870 ms

Loss rate: 0.19%

Run 1: Report of FillP-Sheep — Data Link

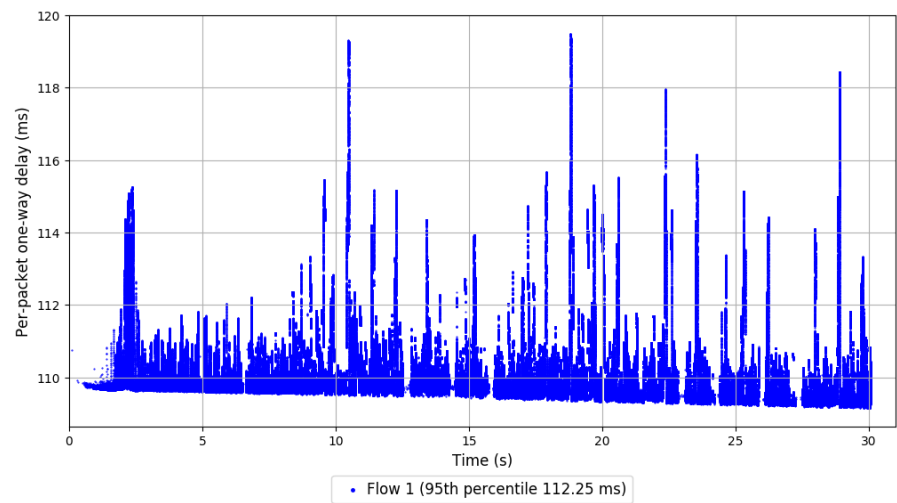
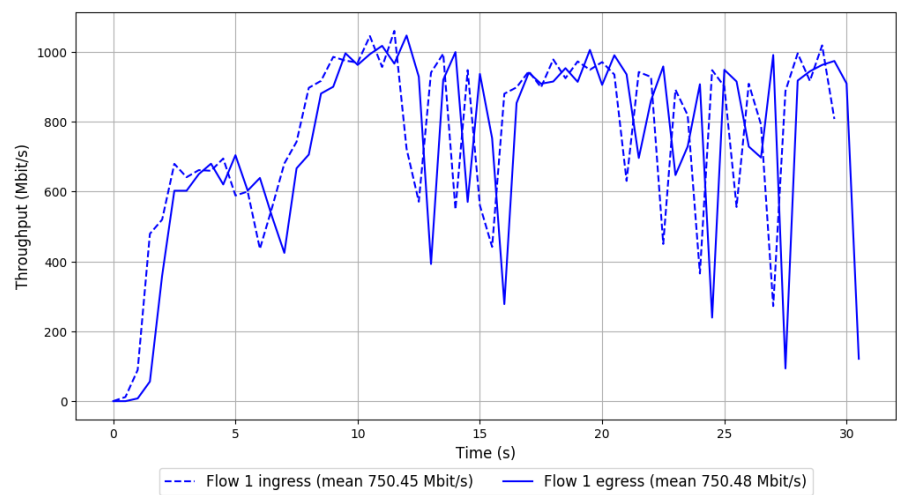


Run 2: Statistics of FillP-Sheep

Start at: 2020-02-17 22:28:45
End at: 2020-02-17 22:29:15
Local clock offset: -0.1 ms
Remote clock offset: 33.315 ms

Below is generated by plot.py at 2020-02-18 01:22:59
Datalink statistics
-- Total of 1 flow:
Average throughput: 750.48 Mbit/s
95th percentile per-packet one-way delay: 112.247 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 750.48 Mbit/s
95th percentile per-packet one-way delay: 112.247 ms
Loss rate: 0.00%

Run 2: Report of FillP-Sheep — Data Link

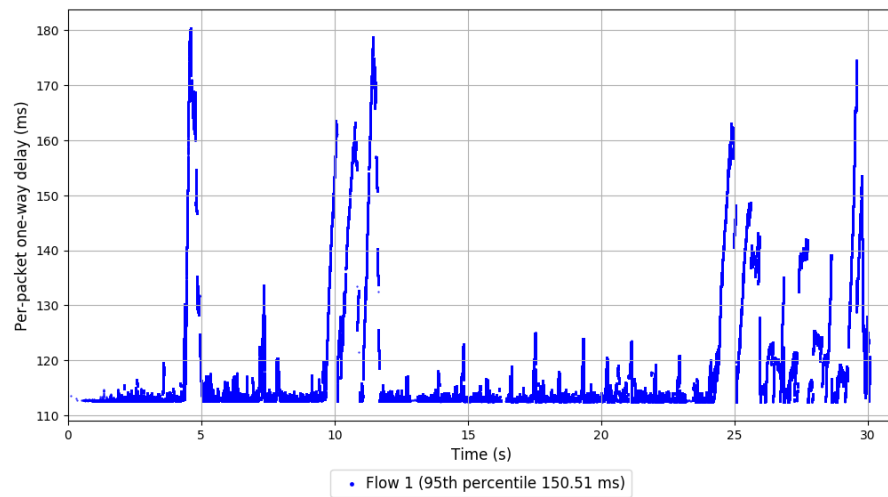
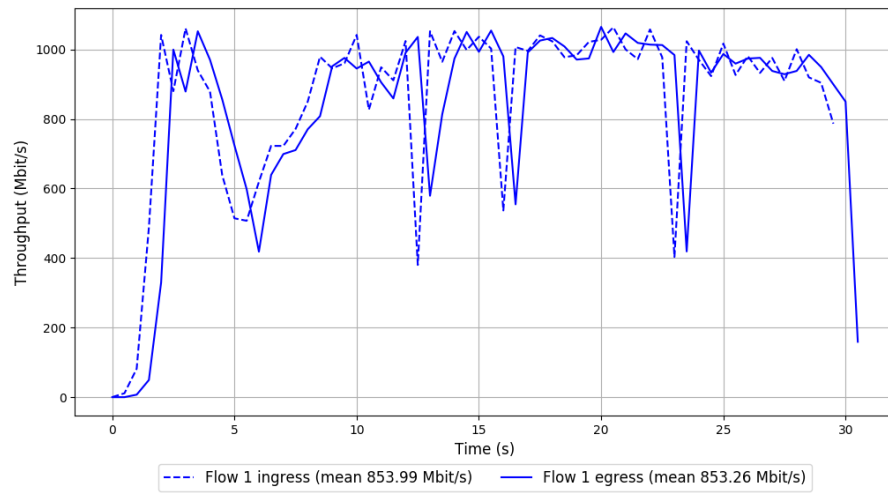


Run 3: Statistics of FillP-Sheep

Start at: 2020-02-17 23:03:59
End at: 2020-02-17 23:04:29
Local clock offset: -0.254 ms
Remote clock offset: 18.098 ms

Below is generated by plot.py at 2020-02-18 01:27:41
Datalink statistics
-- Total of 1 flow:
Average throughput: 853.26 Mbit/s
95th percentile per-packet one-way delay: 150.509 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 853.26 Mbit/s
95th percentile per-packet one-way delay: 150.509 ms
Loss rate: 0.09%

Run 3: Report of FillP-Sheep — Data Link



Run 4: Statistics of FillP-Sheep

Start at: 2020-02-17 23:39:47

End at: 2020-02-17 23:40:17

Local clock offset: -0.75 ms

Remote clock offset: 9.061 ms

Below is generated by plot.py at 2020-02-18 01:39:52

Datalink statistics

-- Total of 1 flow:

Average throughput: 769.16 Mbit/s

95th percentile per-packet one-way delay: 172.091 ms

Loss rate: 1.82%

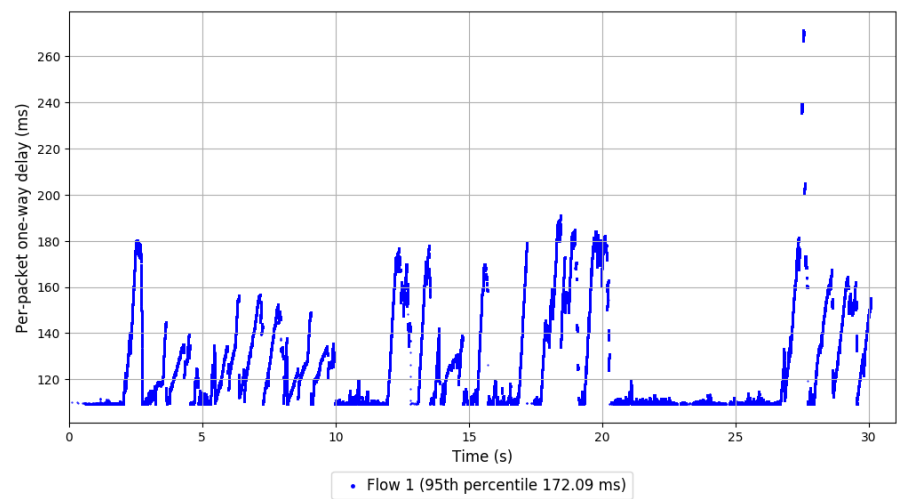
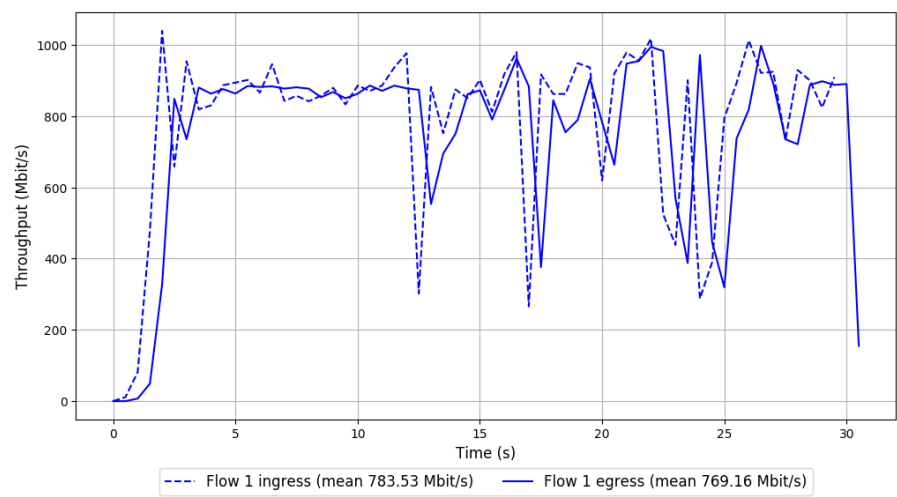
-- Flow 1:

Average throughput: 769.16 Mbit/s

95th percentile per-packet one-way delay: 172.091 ms

Loss rate: 1.82%

Run 4: Report of FillP-Sheep — Data Link



Run 5: Statistics of FillP-Sheep

Start at: 2020-02-18 00:15:20

End at: 2020-02-18 00:15:50

Local clock offset: -0.314 ms

Remote clock offset: 2.175 ms

Below is generated by plot.py at 2020-02-18 01:40:16

Datalink statistics

-- Total of 1 flow:

Average throughput: 758.90 Mbit/s

95th percentile per-packet one-way delay: 164.714 ms

Loss rate: 0.75%

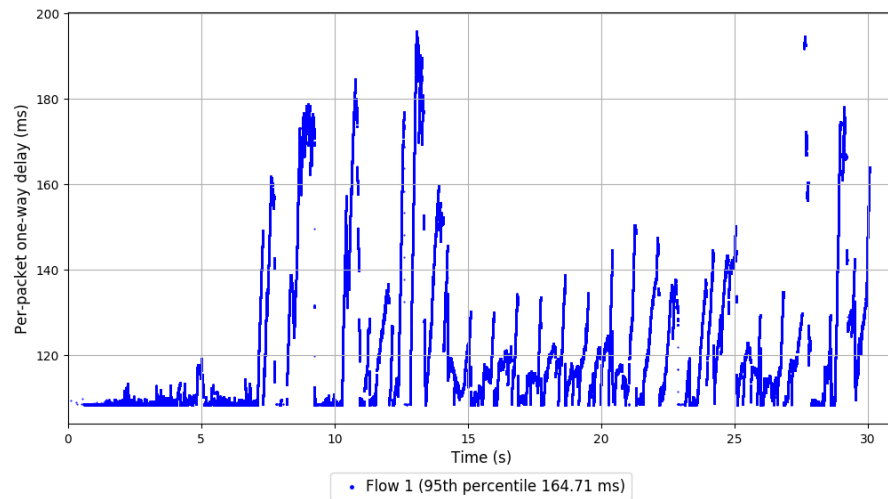
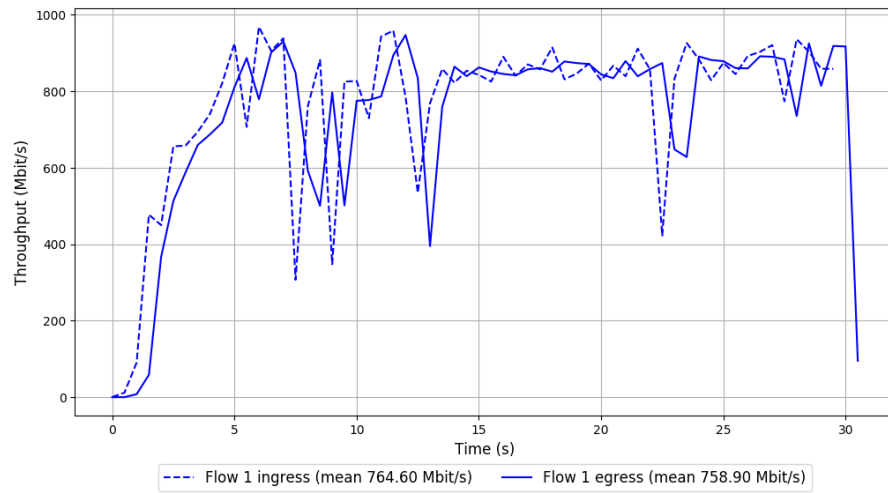
-- Flow 1:

Average throughput: 758.90 Mbit/s

95th percentile per-packet one-way delay: 164.714 ms

Loss rate: 0.75%

Run 5: Report of FillP-Sheep — Data Link

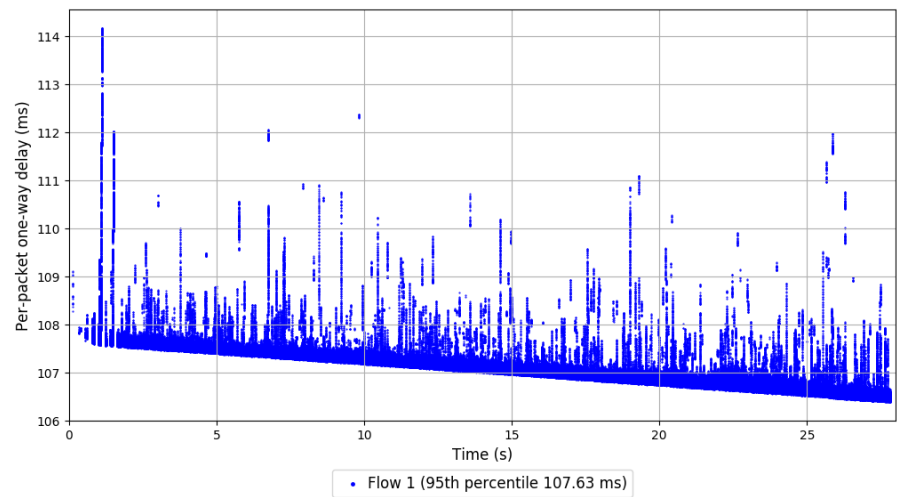
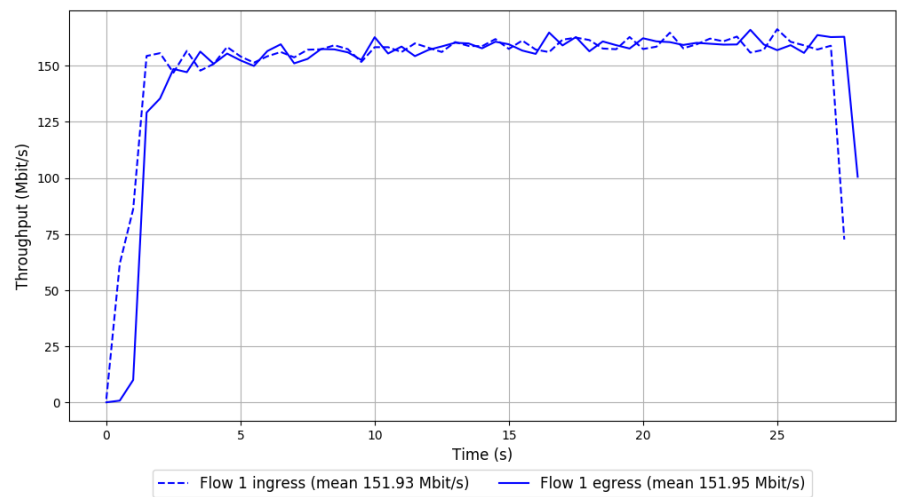


```
Run 1: Statistics of Indigo

Start at: 2020-02-17 21:35:09
End at: 2020-02-17 21:35:39
Local clock offset: 0.454 ms
Remote clock offset: 9.812 ms

# Below is generated by plot.py at 2020-02-18 01:40:16
# Datalink statistics
-- Total of 1 flow:
Average throughput: 151.95 Mbit/s
95th percentile per-packet one-way delay: 107.633 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 151.95 Mbit/s
95th percentile per-packet one-way delay: 107.633 ms
Loss rate: 0.00%
```

Run 1: Report of Indigo — Data Link



Run 2: Statistics of Indigo

Start at: 2020-02-17 22:10:58

End at: 2020-02-17 22:11:28

Local clock offset: -0.08 ms

Remote clock offset: 20.703 ms

Below is generated by plot.py at 2020-02-18 01:40:16

Datalink statistics

-- Total of 1 flow:

Average throughput: 155.84 Mbit/s

95th percentile per-packet one-way delay: 109.530 ms

Loss rate: 0.00%

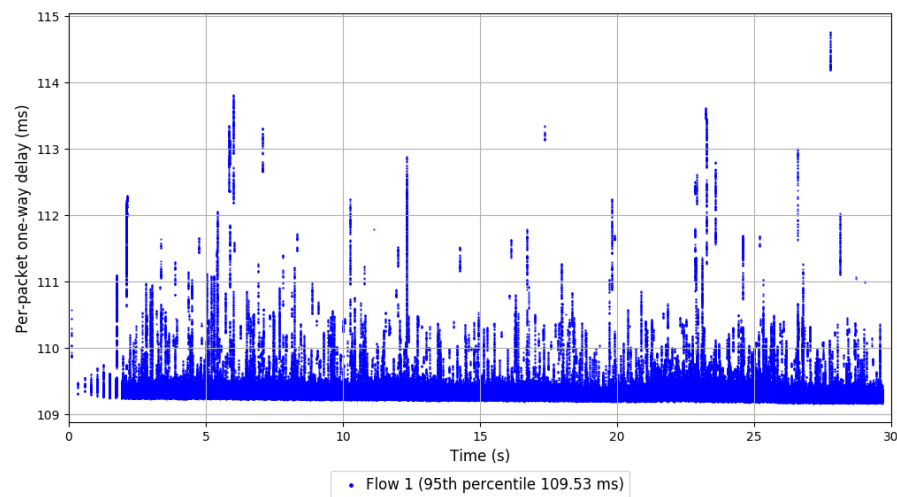
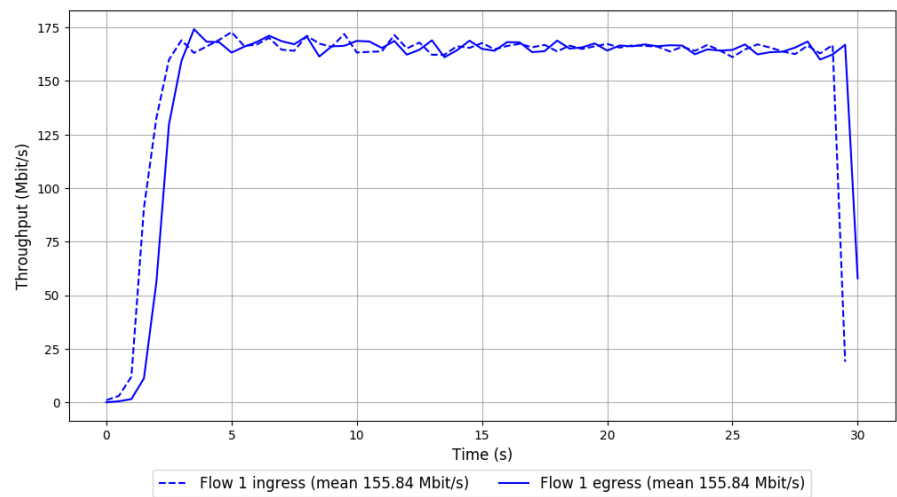
-- Flow 1:

Average throughput: 155.84 Mbit/s

95th percentile per-packet one-way delay: 109.530 ms

Loss rate: 0.00%

Run 2: Report of Indigo — Data Link

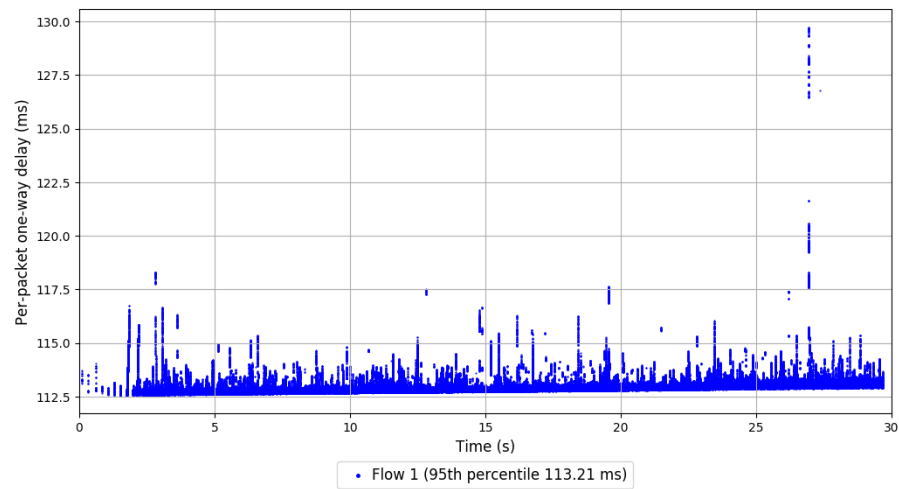
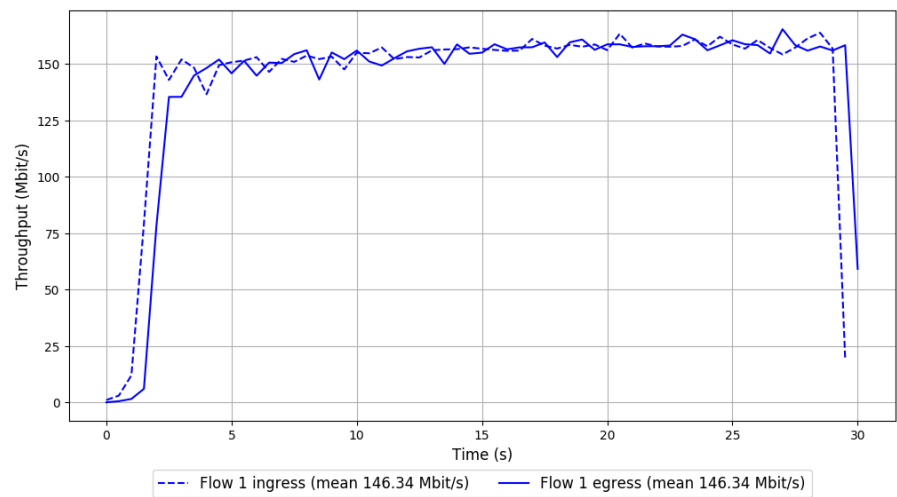


Run 3: Statistics of Indigo

Start at: 2020-02-17 22:46:31
End at: 2020-02-17 22:47:01
Local clock offset: -0.113 ms
Remote clock offset: 18.089 ms

Below is generated by plot.py at 2020-02-18 01:40:16
Datalink statistics
-- Total of 1 flow:
Average throughput: 146.34 Mbit/s
95th percentile per-packet one-way delay: 113.212 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 146.34 Mbit/s
95th percentile per-packet one-way delay: 113.212 ms
Loss rate: 0.00%

Run 3: Report of Indigo — Data Link



Run 4: Statistics of Indigo

Start at: 2020-02-17 23:22:11

End at: 2020-02-17 23:22:41

Local clock offset: -0.154 ms

Remote clock offset: 8.796 ms

Below is generated by plot.py at 2020-02-18 01:40:16

Datalink statistics

-- Total of 1 flow:

Average throughput: 160.18 Mbit/s

95th percentile per-packet one-way delay: 109.496 ms

Loss rate: 0.00%

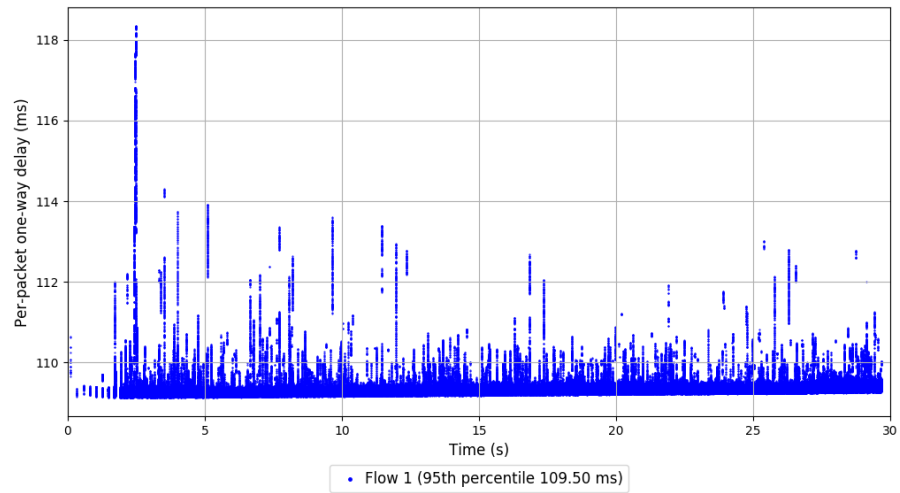
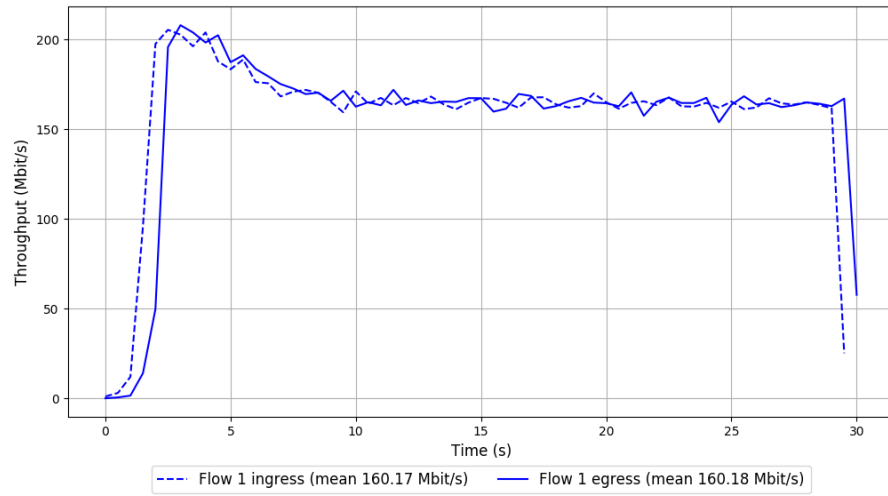
-- Flow 1:

Average throughput: 160.18 Mbit/s

95th percentile per-packet one-way delay: 109.496 ms

Loss rate: 0.00%

Run 4: Report of Indigo — Data Link



Run 5: Statistics of Indigo

Start at: 2020-02-17 23:57:43

End at: 2020-02-17 23:58:13

Local clock offset: 0.044 ms

Remote clock offset: 2.85 ms

Below is generated by plot.py at 2020-02-18 01:40:16

Datalink statistics

-- Total of 1 flow:

Average throughput: 154.34 Mbit/s

95th percentile per-packet one-way delay: 111.506 ms

Loss rate: 0.00%

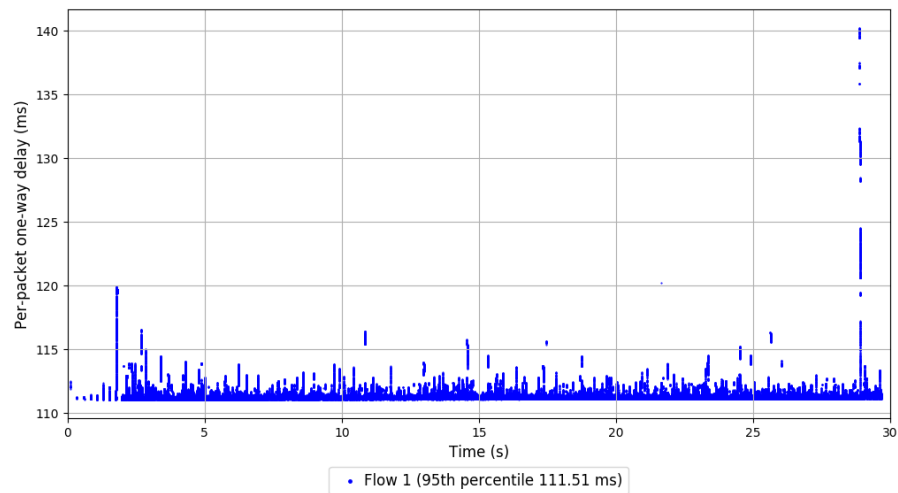
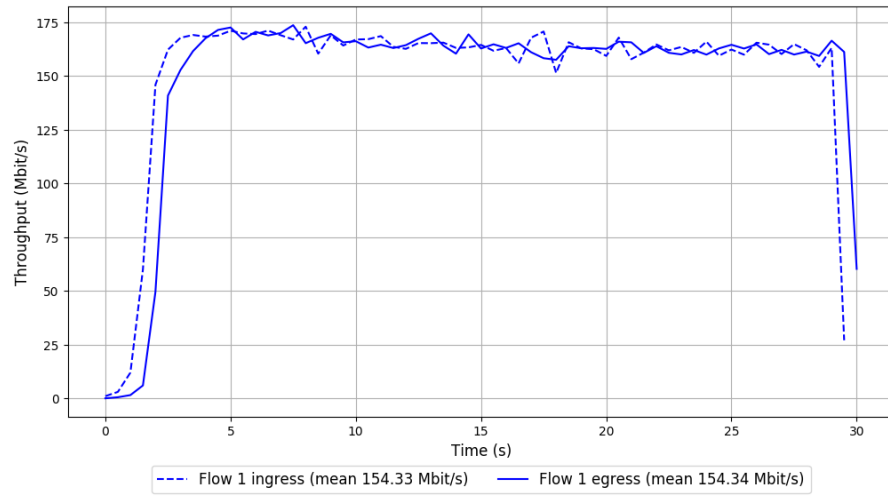
-- Flow 1:

Average throughput: 154.34 Mbit/s

95th percentile per-packet one-way delay: 111.506 ms

Loss rate: 0.00%

Run 5: Report of Indigo — Data Link



Run 1: Statistics of Indigo-MusesC3

Start at: 2020-02-17 21:57:54

End at: 2020-02-17 21:58:24

Local clock offset: -0.15 ms

Remote clock offset: 22.174 ms

Below is generated by plot.py at 2020-02-18 01:40:16

Datalink statistics

-- Total of 1 flow:

Average throughput: 473.91 Mbit/s

95th percentile per-packet one-way delay: 115.461 ms

Loss rate: 0.00%

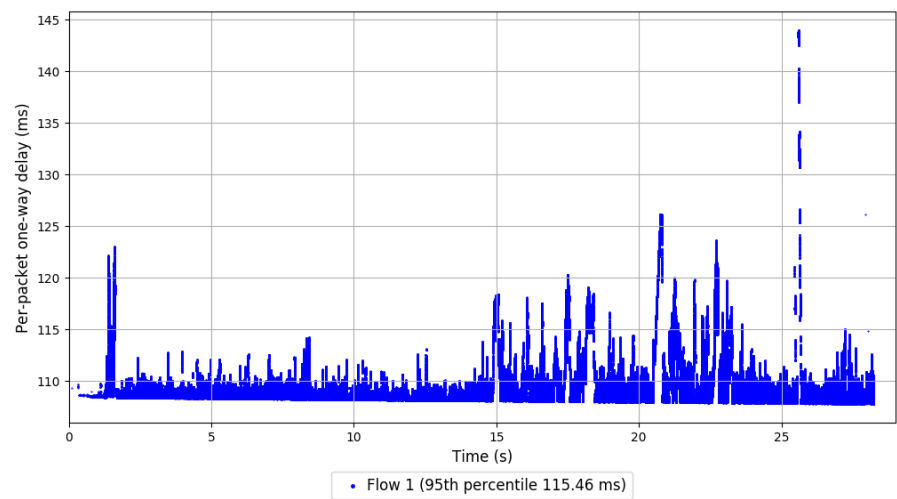
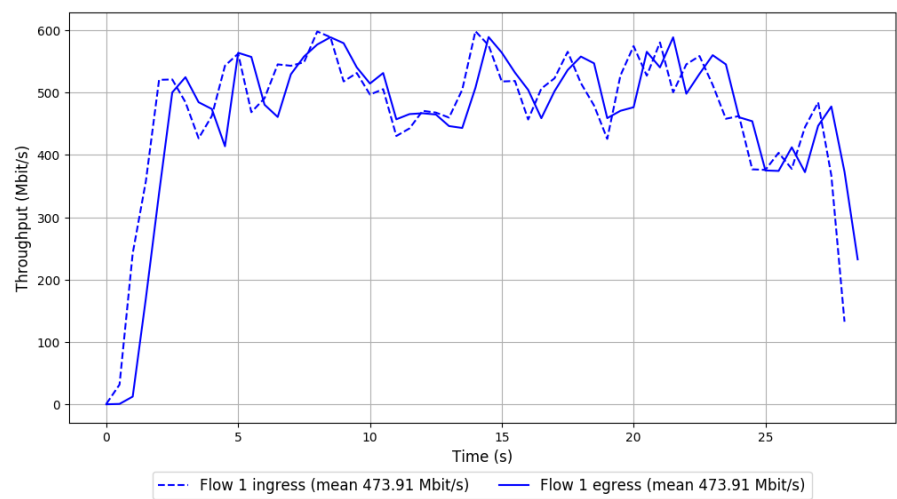
-- Flow 1:

Average throughput: 473.91 Mbit/s

95th percentile per-packet one-way delay: 115.461 ms

Loss rate: 0.00%

Run 1: Report of Indigo-MusesC3 — Data Link



Run 2: Statistics of Indigo-MusesC3

Start at: 2020-02-17 22:33:55

End at: 2020-02-17 22:34:25

Local clock offset: -0.086 ms

Remote clock offset: 39.28 ms

Below is generated by plot.py at 2020-02-18 01:40:16

Datalink statistics

-- Total of 1 flow:

Average throughput: 451.33 Mbit/s

95th percentile per-packet one-way delay: 113.178 ms

Loss rate: 0.00%

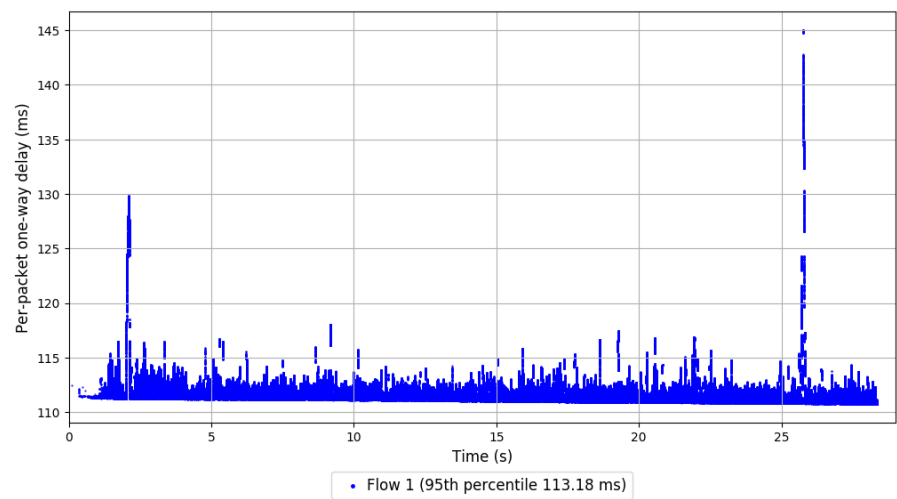
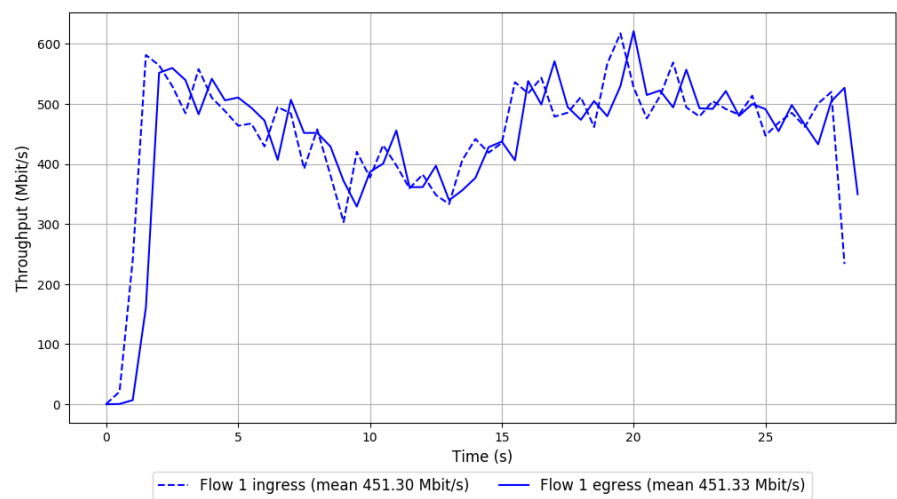
-- Flow 1:

Average throughput: 451.33 Mbit/s

95th percentile per-packet one-way delay: 113.178 ms

Loss rate: 0.00%

Run 2: Report of Indigo-MusesC3 — Data Link

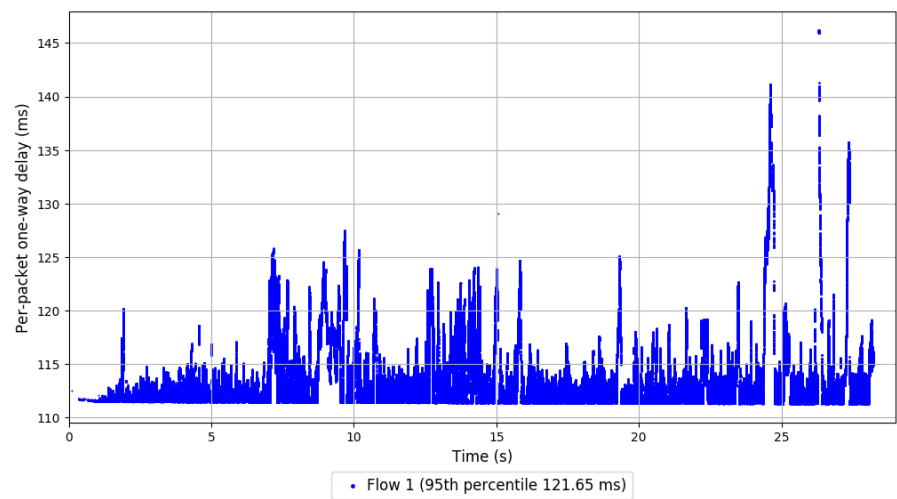
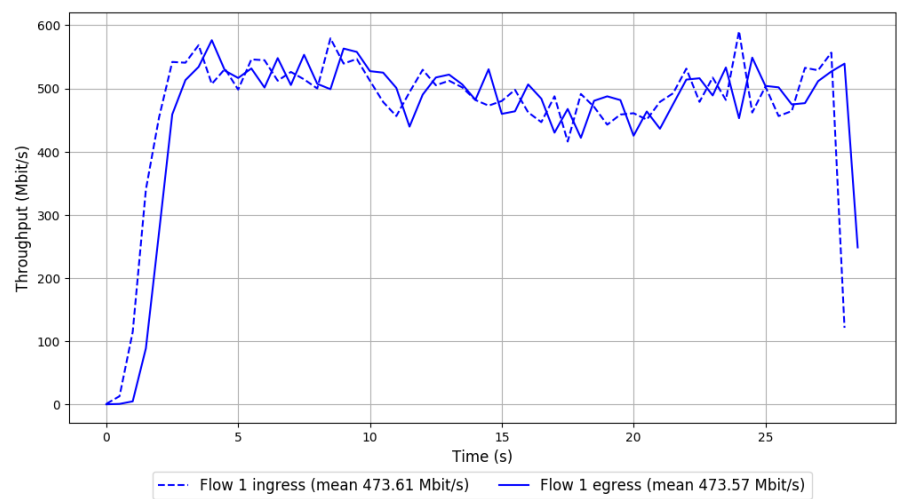


Run 3: Statistics of Indigo-MusesC3

Start at: 2020-02-17 23:09:09
End at: 2020-02-17 23:09:39
Local clock offset: -0.042 ms
Remote clock offset: 20.464 ms

Below is generated by plot.py at 2020-02-18 01:40:16
Datalink statistics
-- Total of 1 flow:
Average throughput: 473.57 Mbit/s
95th percentile per-packet one-way delay: 121.649 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 473.57 Mbit/s
95th percentile per-packet one-way delay: 121.649 ms
Loss rate: 0.00%

Run 3: Report of Indigo-MusesC3 — Data Link



Run 4: Statistics of Indigo-MusesC3

Start at: 2020-02-17 23:44:53

End at: 2020-02-17 23:45:23

Local clock offset: 0.019 ms

Remote clock offset: 9.304 ms

Below is generated by plot.py at 2020-02-18 01:40:16

Datalink statistics

-- Total of 1 flow:

Average throughput: 481.60 Mbit/s

95th percentile per-packet one-way delay: 133.401 ms

Loss rate: 0.00%

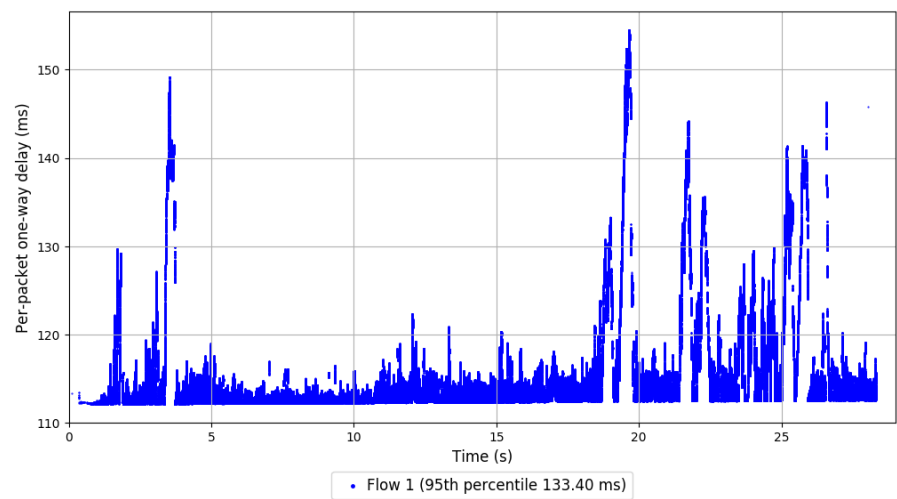
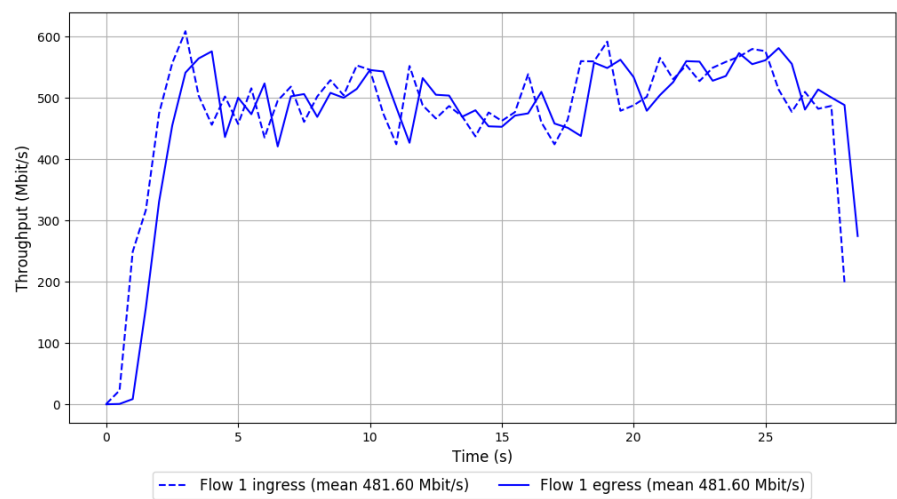
-- Flow 1:

Average throughput: 481.60 Mbit/s

95th percentile per-packet one-way delay: 133.401 ms

Loss rate: 0.00%

Run 4: Report of Indigo-MusesC3 — Data Link



Run 5: Statistics of Indigo-MusesC3

Start at: 2020-02-18 00:20:28

End at: 2020-02-18 00:20:58

Local clock offset: 0.588 ms

Remote clock offset: 1.825 ms

Below is generated by plot.py at 2020-02-18 01:40:30

Datalink statistics

-- Total of 1 flow:

Average throughput: 485.95 Mbit/s

95th percentile per-packet one-way delay: 115.236 ms

Loss rate: 0.02%

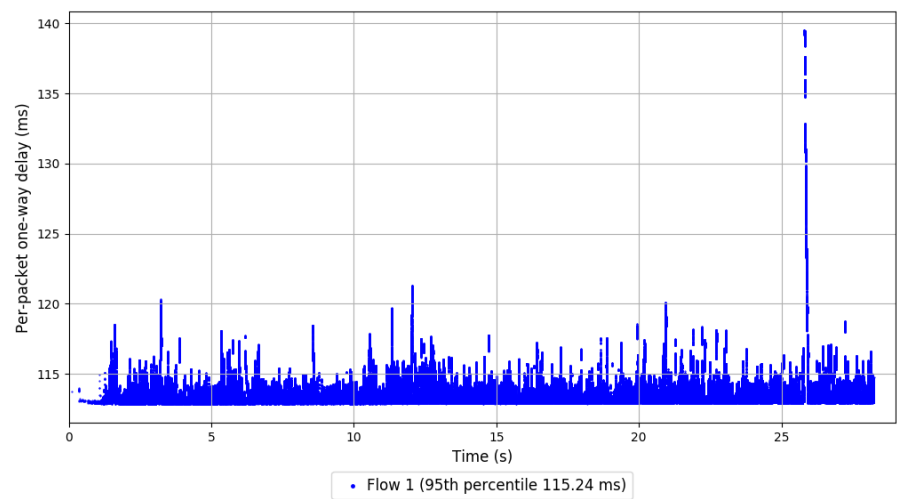
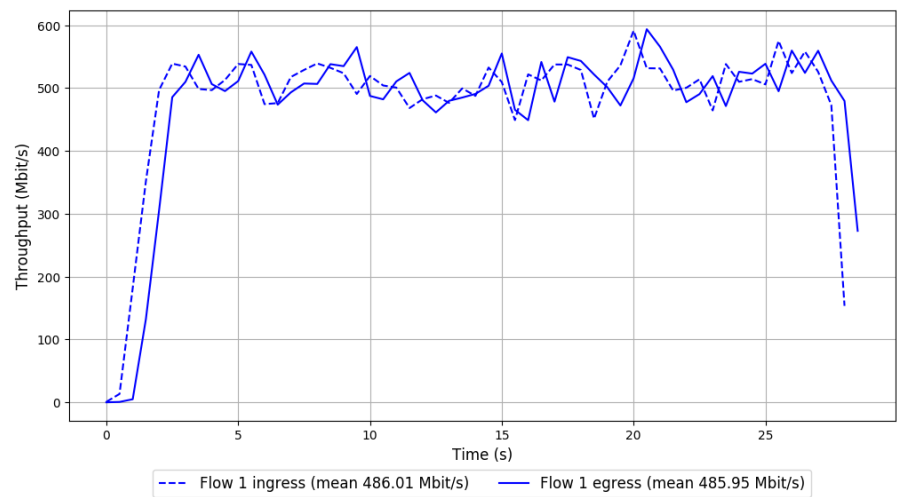
-- Flow 1:

Average throughput: 485.95 Mbit/s

95th percentile per-packet one-way delay: 115.236 ms

Loss rate: 0.02%

Run 5: Report of Indigo-MusesC3 — Data Link

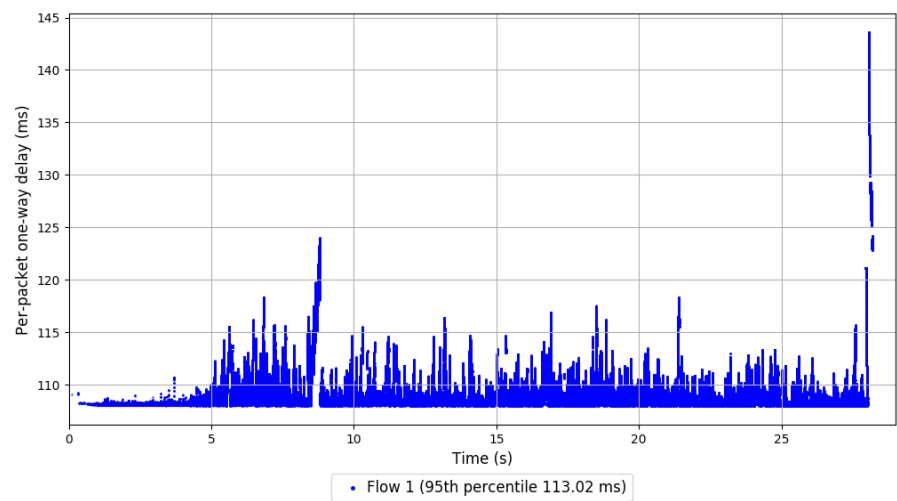
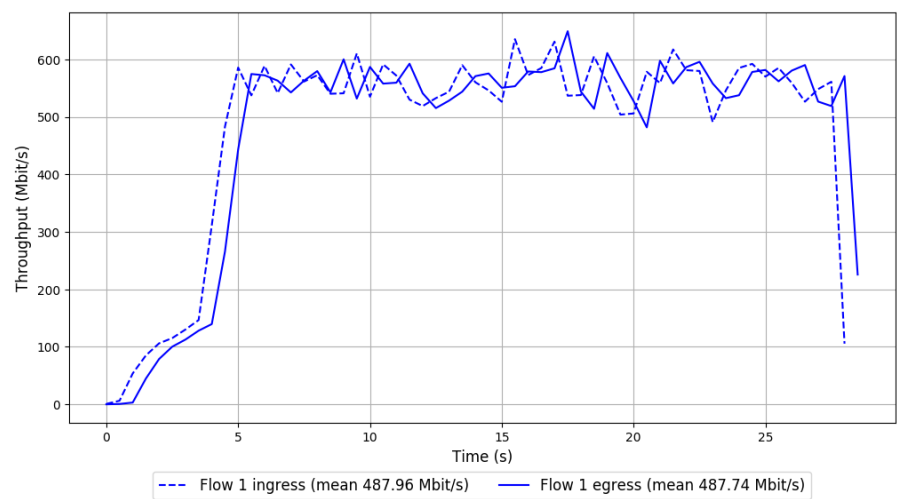


Run 1: Statistics of Indigo-MusesC5

Start at: 2020-02-17 21:48:37
End at: 2020-02-17 21:49:07
Local clock offset: -0.013 ms
Remote clock offset: 13.607 ms

Below is generated by plot.py at 2020-02-18 01:40:59
Datalink statistics
-- Total of 1 flow:
Average throughput: 487.74 Mbit/s
95th percentile per-packet one-way delay: 113.023 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 487.74 Mbit/s
95th percentile per-packet one-way delay: 113.023 ms
Loss rate: 0.05%

Run 1: Report of Indigo-MusesC5 — Data Link

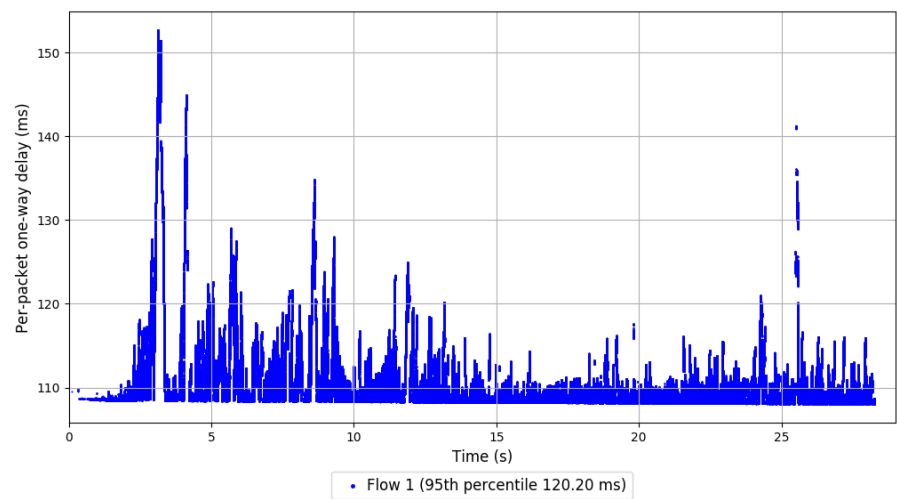
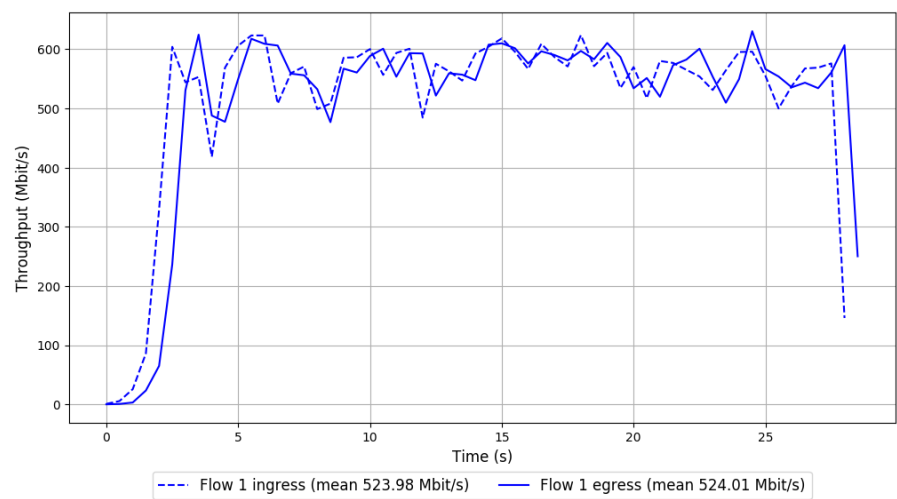


Run 2: Statistics of Indigo-MusesC5

Start at: 2020-02-17 22:24:30
End at: 2020-02-17 22:25:00
Local clock offset: -0.223 ms
Remote clock offset: 29.216 ms

Below is generated by plot.py at 2020-02-18 01:48:56
Datalink statistics
-- Total of 1 flow:
Average throughput: 524.01 Mbit/s
95th percentile per-packet one-way delay: 120.200 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 524.01 Mbit/s
95th percentile per-packet one-way delay: 120.200 ms
Loss rate: 0.00%

Run 2: Report of Indigo-MusesC5 — Data Link



Run 3: Statistics of Indigo-MusesC5

Start at: 2020-02-17 22:59:53

End at: 2020-02-17 23:00:23

Local clock offset: 0.155 ms

Remote clock offset: 16.631 ms

Below is generated by plot.py at 2020-02-18 01:49:27

Datalink statistics

-- Total of 1 flow:

Average throughput: 462.70 Mbit/s

95th percentile per-packet one-way delay: 120.320 ms

Loss rate: 0.00%

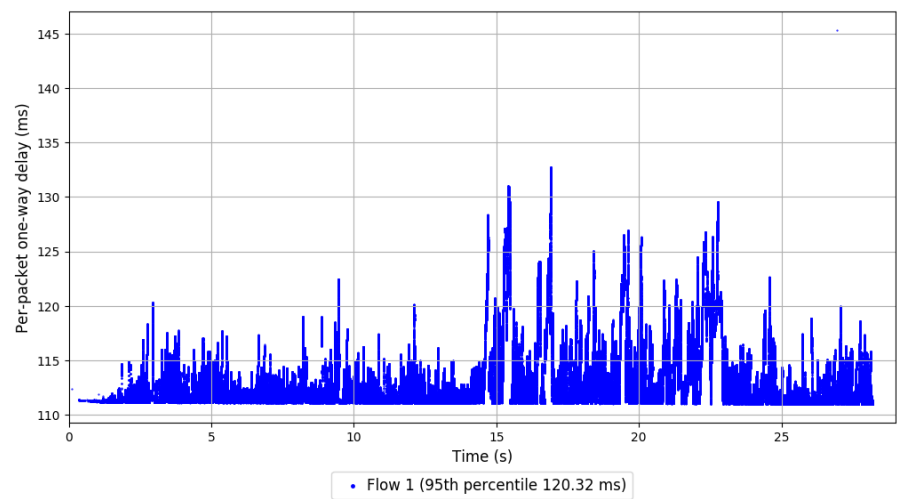
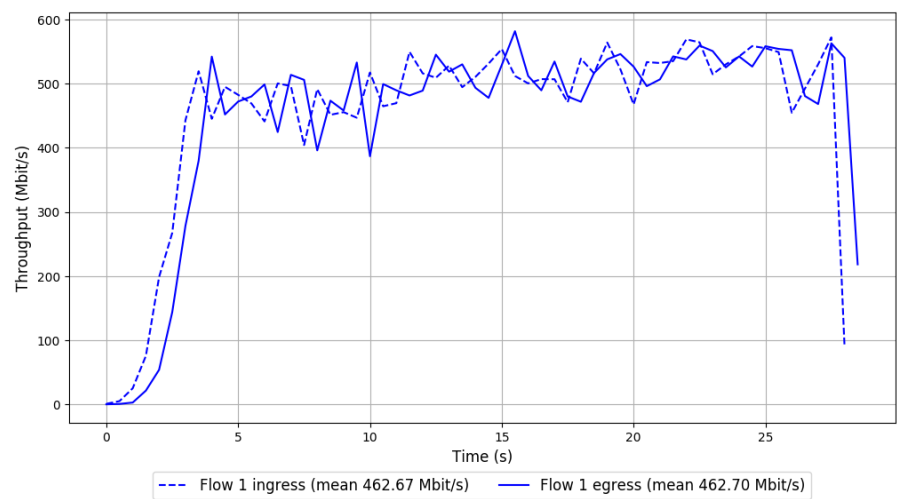
-- Flow 1:

Average throughput: 462.70 Mbit/s

95th percentile per-packet one-way delay: 120.320 ms

Loss rate: 0.00%

Run 3: Report of Indigo-MusesC5 — Data Link



Run 4: Statistics of Indigo-MusesC5

Start at: 2020-02-17 23:35:41

End at: 2020-02-17 23:36:11

Local clock offset: -0.389 ms

Remote clock offset: 7.894 ms

Below is generated by plot.py at 2020-02-18 01:50:23

Datalink statistics

-- Total of 1 flow:

Average throughput: 490.13 Mbit/s

95th percentile per-packet one-way delay: 119.162 ms

Loss rate: 0.02%

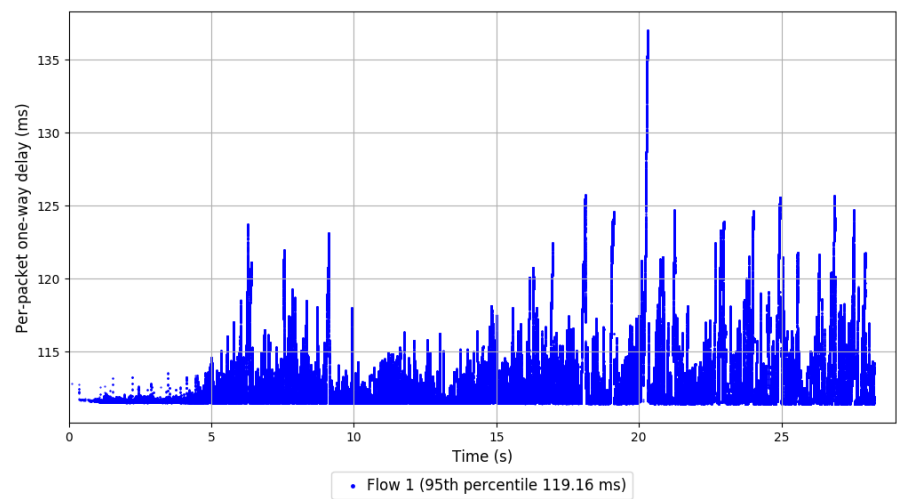
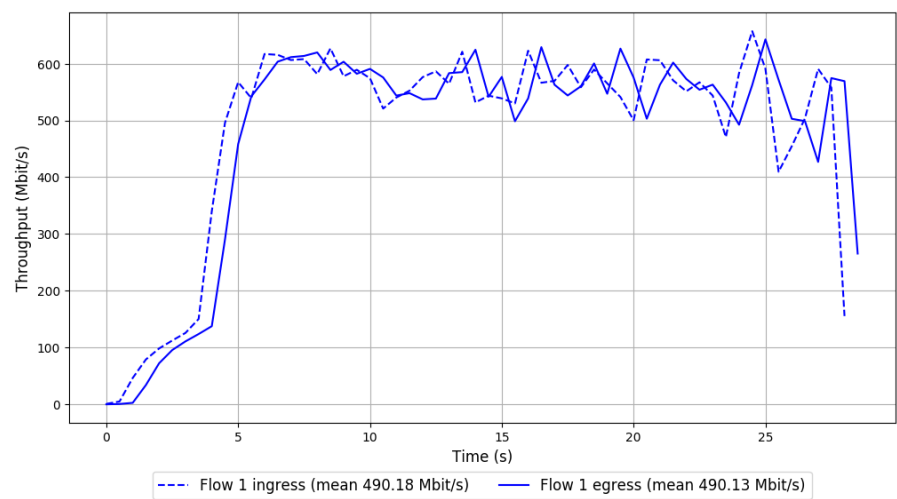
-- Flow 1:

Average throughput: 490.13 Mbit/s

95th percentile per-packet one-way delay: 119.162 ms

Loss rate: 0.02%

Run 4: Report of Indigo-MusesC5 — Data Link



Run 5: Statistics of Indigo-MusesC5

Start at: 2020-02-18 00:11:08

End at: 2020-02-18 00:11:38

Local clock offset: -0.337 ms

Remote clock offset: 2.098 ms

Below is generated by plot.py at 2020-02-18 01:51:45

Datalink statistics

-- Total of 1 flow:

Average throughput: 527.13 Mbit/s

95th percentile per-packet one-way delay: 123.555 ms

Loss rate: 0.00%

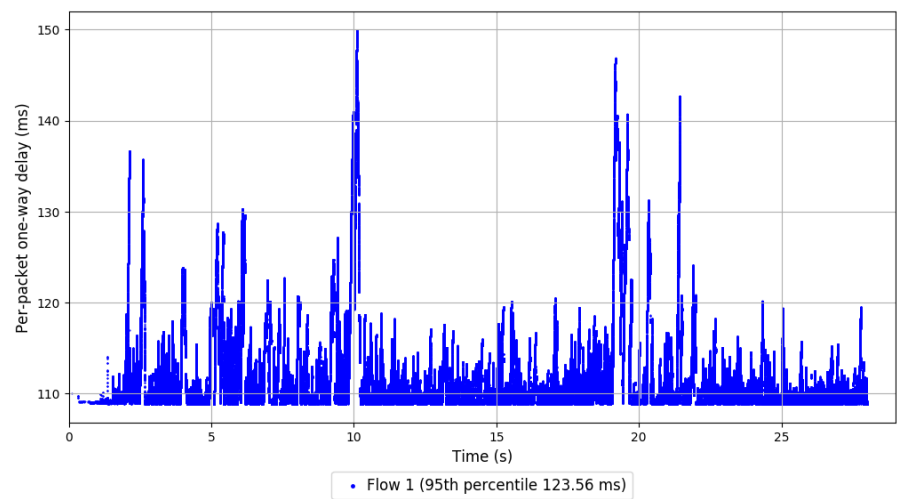
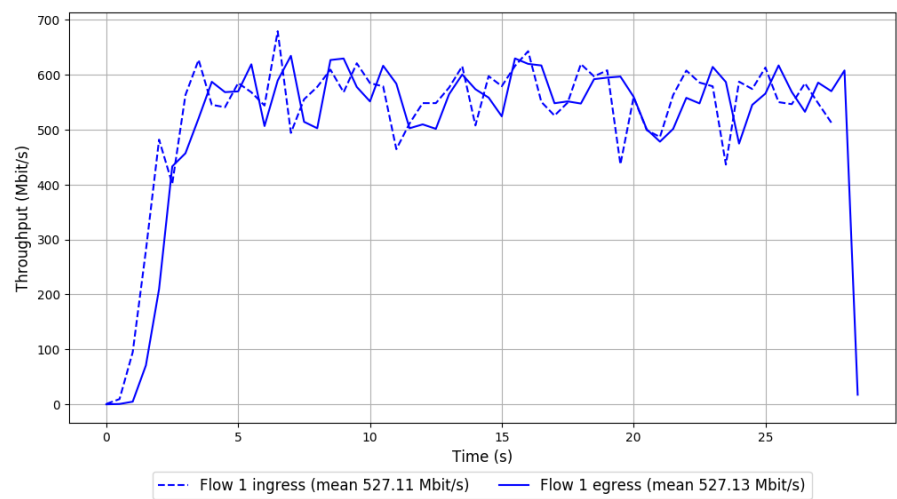
-- Flow 1:

Average throughput: 527.13 Mbit/s

95th percentile per-packet one-way delay: 123.555 ms

Loss rate: 0.00%

Run 5: Report of Indigo-MusesC5 — Data Link



Run 1: Statistics of Indigo-MusesD

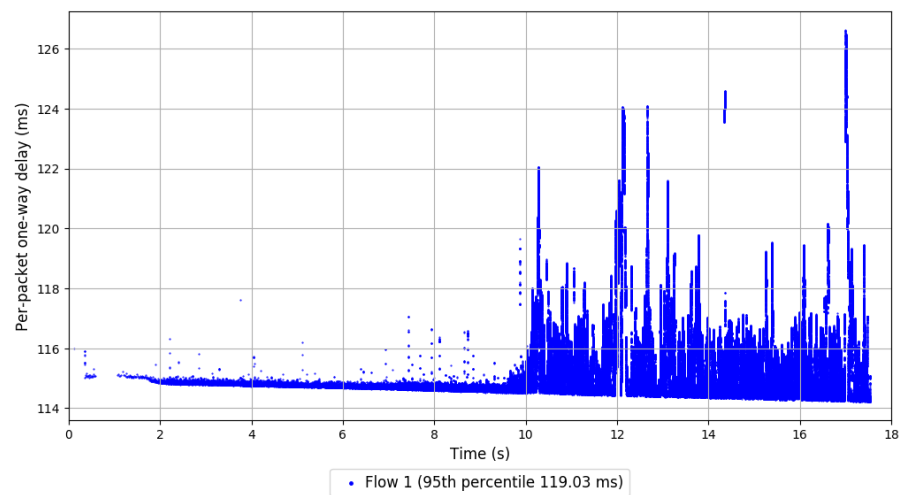
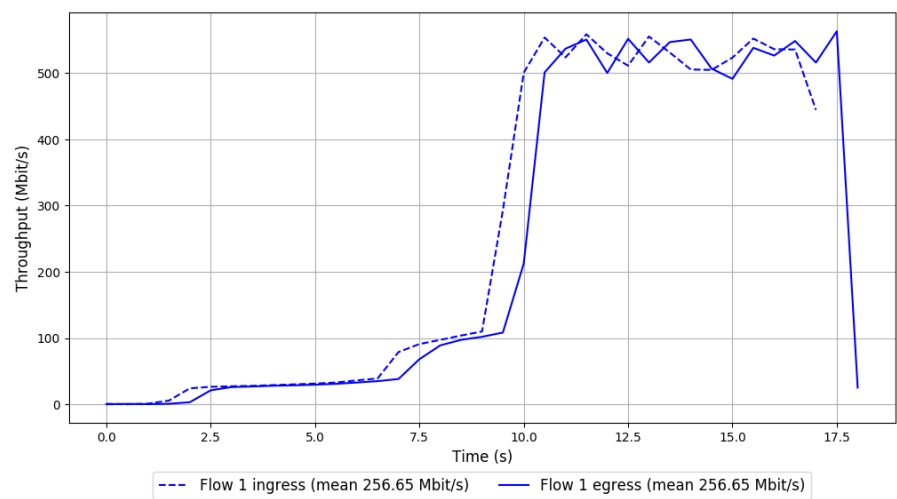
Start at: 2020-02-17 21:33:50

End at: 2020-02-17 21:34:20

Local clock offset: -0.255 ms

Remote clock offset: 7.102 ms

Run 1: Report of Indigo-MusesD — Data Link



Run 2: Statistics of Indigo-MusesD

Start at: 2020-02-17 22:09:24

End at: 2020-02-17 22:09:54

Local clock offset: -0.165 ms

Remote clock offset: 20.365 ms

Below is generated by plot.py at 2020-02-18 01:51:45

Datalink statistics

-- Total of 1 flow:

Average throughput: 463.62 Mbit/s

95th percentile per-packet one-way delay: 121.136 ms

Loss rate: 0.00%

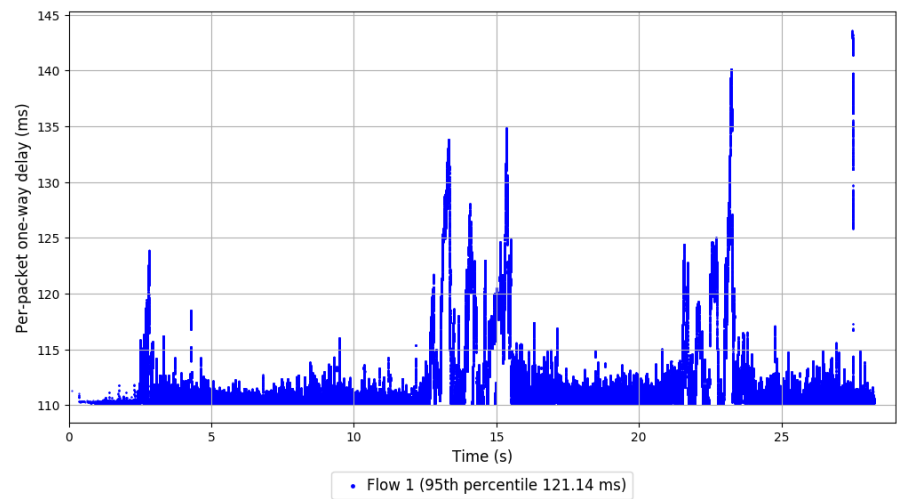
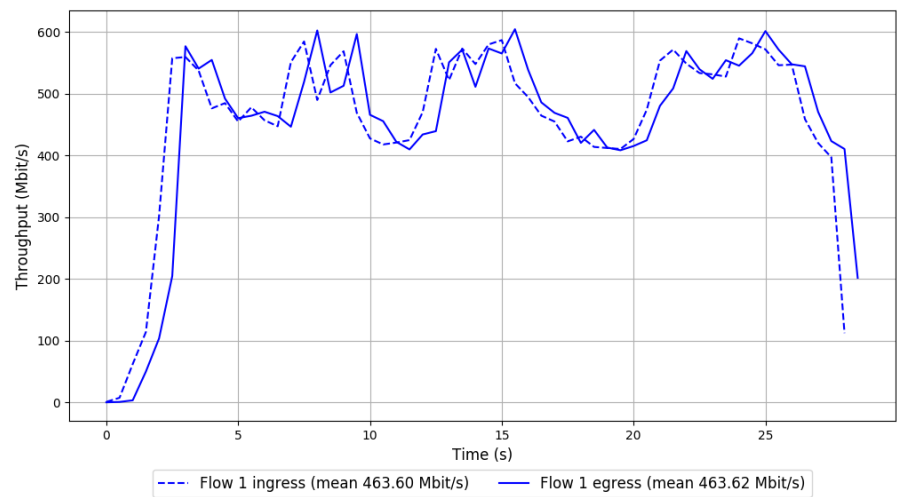
-- Flow 1:

Average throughput: 463.62 Mbit/s

95th percentile per-packet one-way delay: 121.136 ms

Loss rate: 0.00%

Run 2: Report of Indigo-MusesD — Data Link



Run 3: Statistics of Indigo-MusesD

Start at: 2020-02-17 22:44:59

End at: 2020-02-17 22:45:29

Local clock offset: 0.211 ms

Remote clock offset: 19.568 ms

Below is generated by plot.py at 2020-02-18 01:51:45

Datalink statistics

-- Total of 1 flow:

Average throughput: 411.82 Mbit/s

95th percentile per-packet one-way delay: 112.264 ms

Loss rate: 0.00%

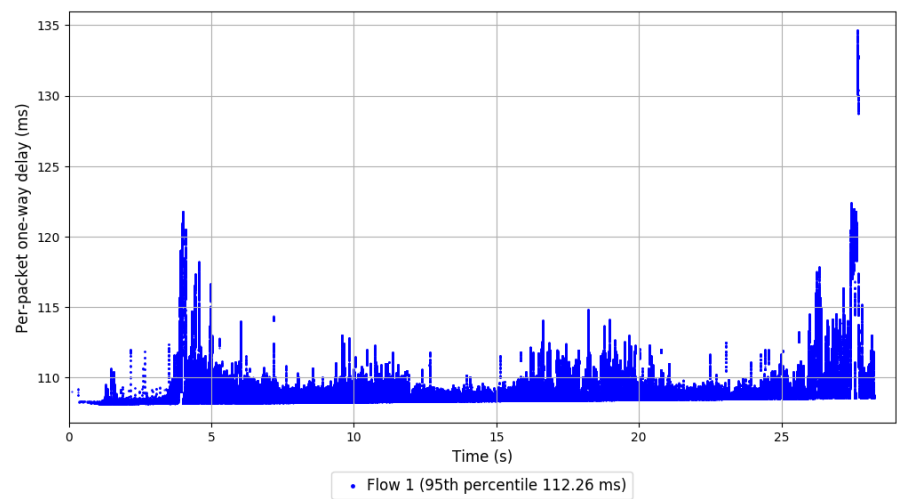
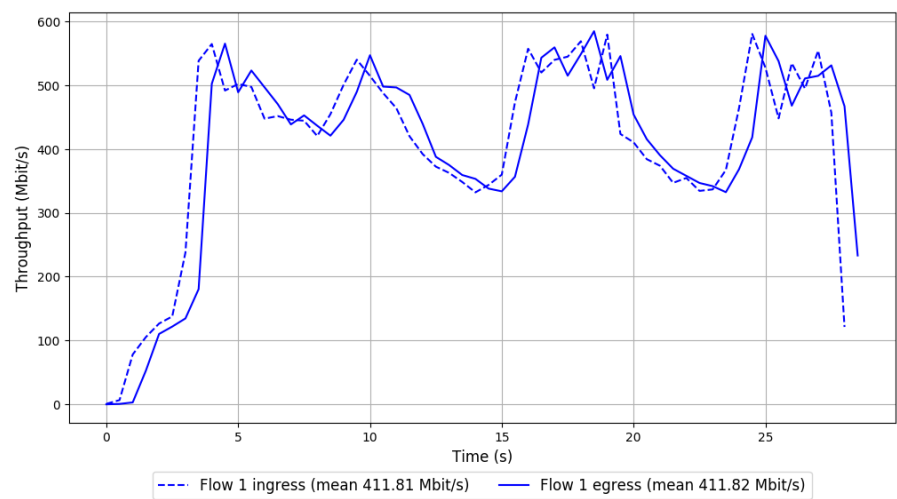
-- Flow 1:

Average throughput: 411.82 Mbit/s

95th percentile per-packet one-way delay: 112.264 ms

Loss rate: 0.00%

Run 3: Report of Indigo-MusesD — Data Link



Run 4: Statistics of Indigo-MusesD

Start at: 2020-02-17 23:20:38

End at: 2020-02-17 23:21:08

Local clock offset: -0.008 ms

Remote clock offset: 8.894 ms

Below is generated by plot.py at 2020-02-18 01:51:45

Datalink statistics

-- Total of 1 flow:

Average throughput: 459.42 Mbit/s

95th percentile per-packet one-way delay: 119.919 ms

Loss rate: 0.02%

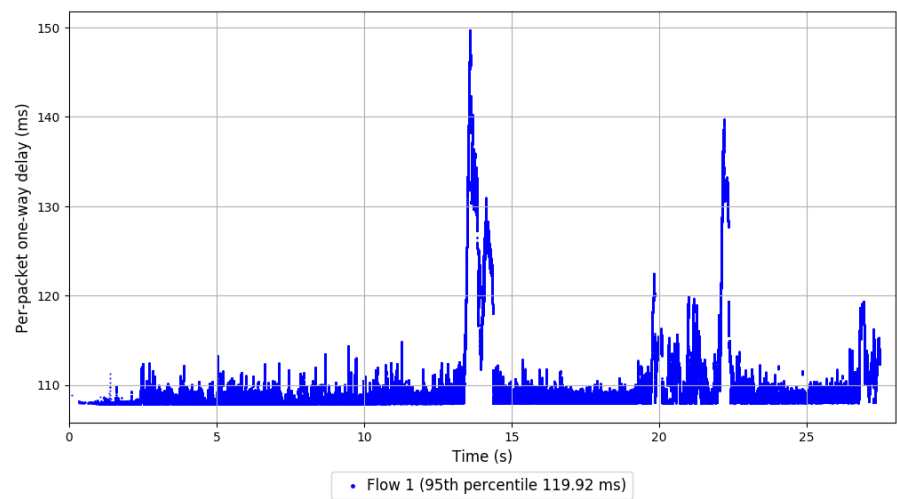
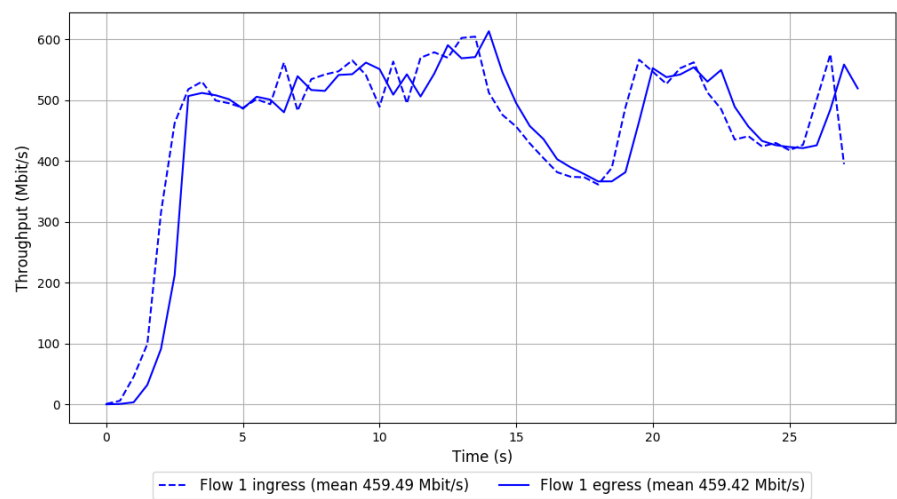
-- Flow 1:

Average throughput: 459.42 Mbit/s

95th percentile per-packet one-way delay: 119.919 ms

Loss rate: 0.02%

Run 4: Report of Indigo-MusesD — Data Link



Run 5: Statistics of Indigo-MusesD

Start at: 2020-02-17 23:56:07

End at: 2020-02-17 23:56:37

Local clock offset: 0.755 ms

Remote clock offset: 3.146 ms

Below is generated by plot.py at 2020-02-18 01:54:42

Datalink statistics

-- Total of 1 flow:

Average throughput: 503.61 Mbit/s

95th percentile per-packet one-way delay: 112.999 ms

Loss rate: 0.03%

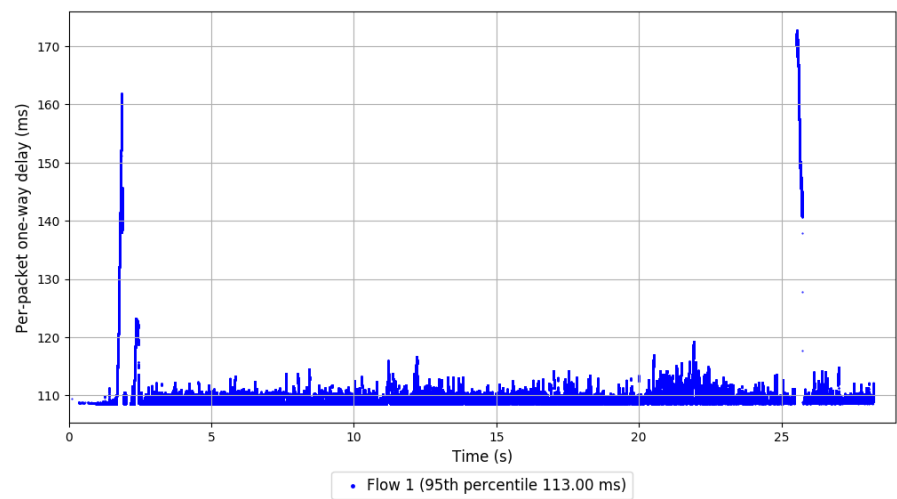
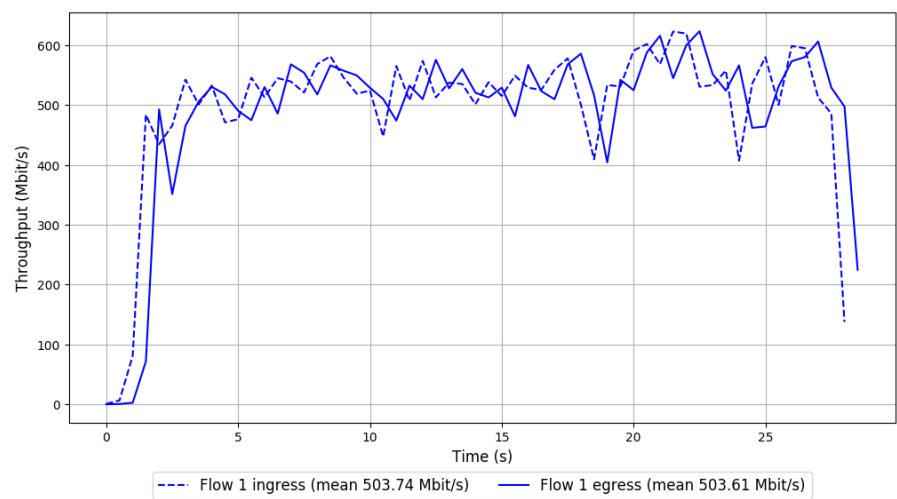
-- Flow 1:

Average throughput: 503.61 Mbit/s

95th percentile per-packet one-way delay: 112.999 ms

Loss rate: 0.03%

Run 5: Report of Indigo-MusesD — Data Link



Run 1: Statistics of Indigo-MusesT

Start at: 2020-02-17 21:37:57

End at: 2020-02-17 21:38:27

Local clock offset: -0.047 ms

Remote clock offset: 9.418 ms

Below is generated by plot.py at 2020-02-18 02:00:42

Datalink statistics

-- Total of 1 flow:

Average throughput: 521.45 Mbit/s

95th percentile per-packet one-way delay: 113.336 ms

Loss rate: 0.00%

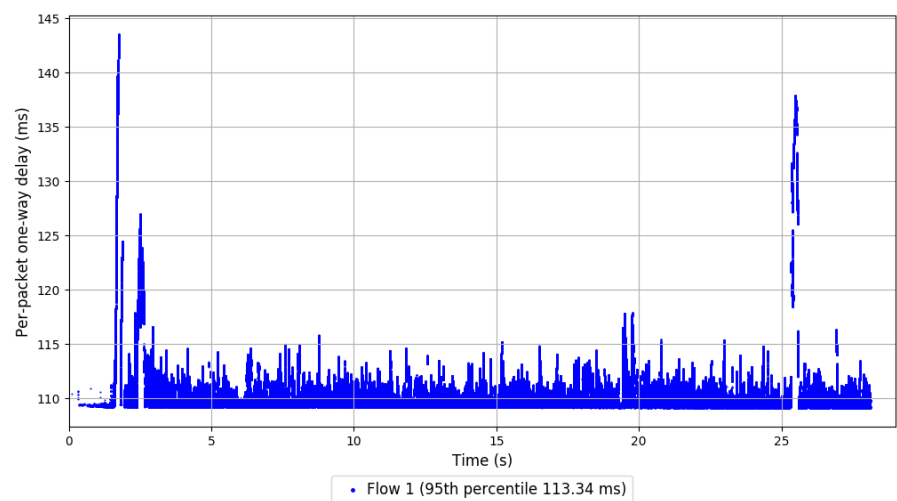
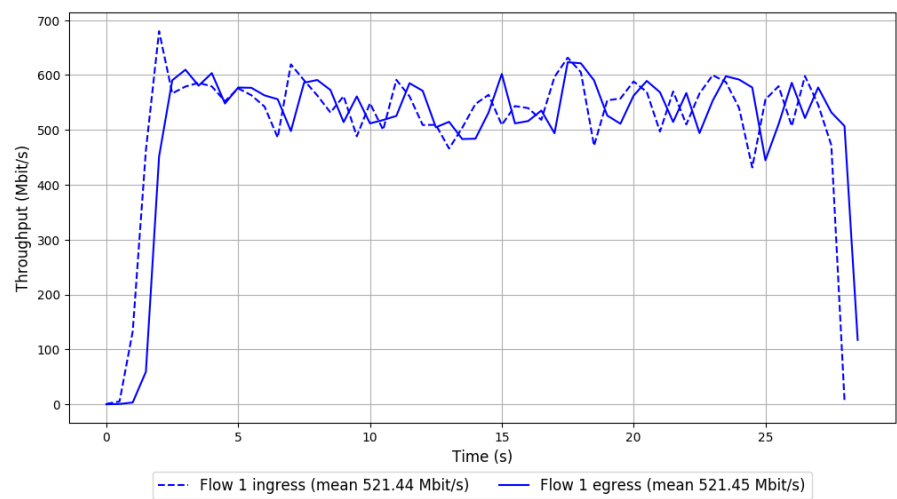
-- Flow 1:

Average throughput: 521.45 Mbit/s

95th percentile per-packet one-way delay: 113.336 ms

Loss rate: 0.00%

Run 1: Report of Indigo-MusesT — Data Link



Run 2: Statistics of Indigo-MusesT

Start at: 2020-02-17 22:13:47

End at: 2020-02-17 22:14:17

Local clock offset: 0.099 ms

Remote clock offset: 21.015 ms

Below is generated by plot.py at 2020-02-18 02:00:53

Datalink statistics

-- Total of 1 flow:

Average throughput: 508.19 Mbit/s

95th percentile per-packet one-way delay: 114.279 ms

Loss rate: 0.00%

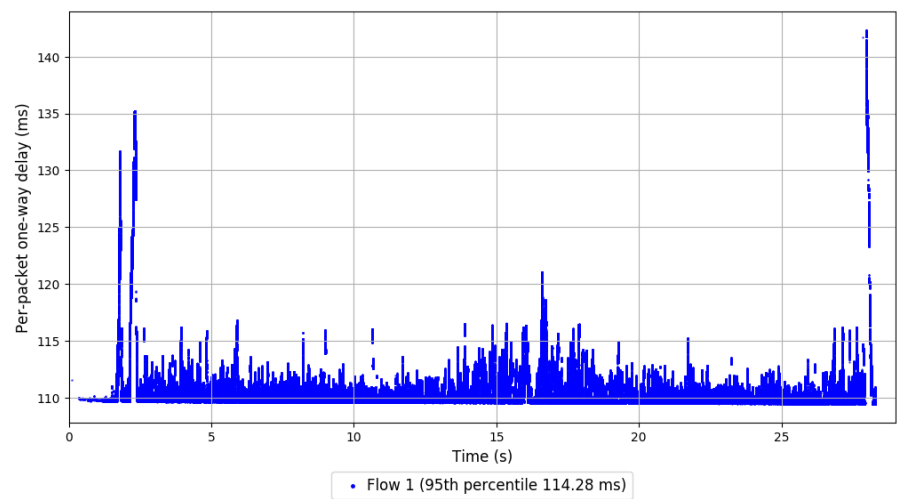
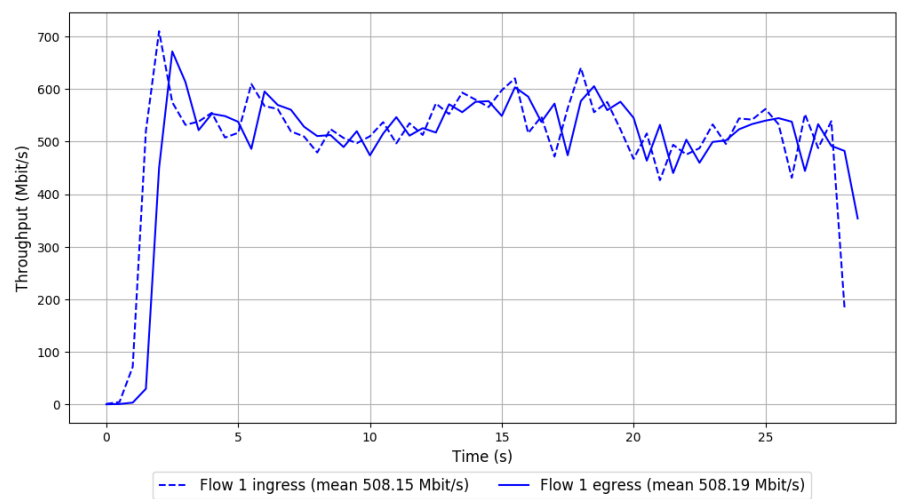
-- Flow 1:

Average throughput: 508.19 Mbit/s

95th percentile per-packet one-way delay: 114.279 ms

Loss rate: 0.00%

Run 2: Report of Indigo-MusesT — Data Link



Run 3: Statistics of Indigo-MusesT

Start at: 2020-02-17 22:49:19

End at: 2020-02-17 22:49:49

Local clock offset: -0.057 ms

Remote clock offset: 16.37 ms

Below is generated by plot.py at 2020-02-18 02:01:16

Datalink statistics

-- Total of 1 flow:

Average throughput: 467.19 Mbit/s

95th percentile per-packet one-way delay: 115.851 ms

Loss rate: 0.00%

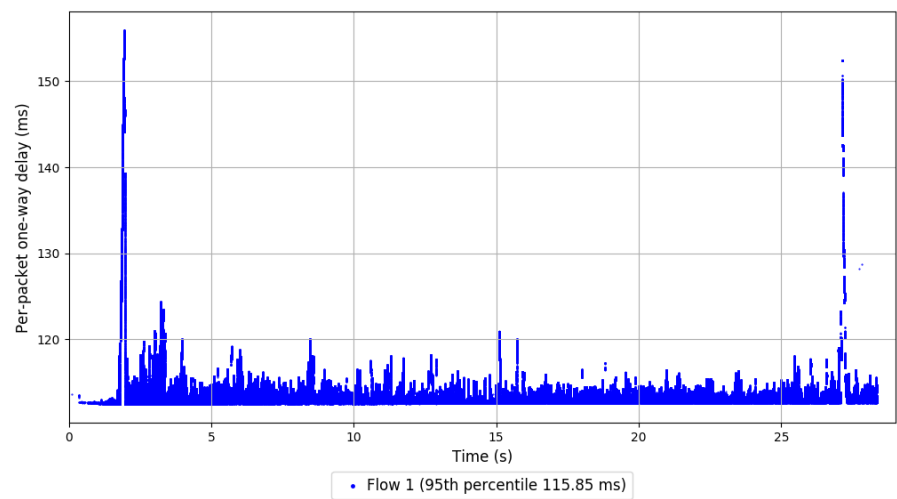
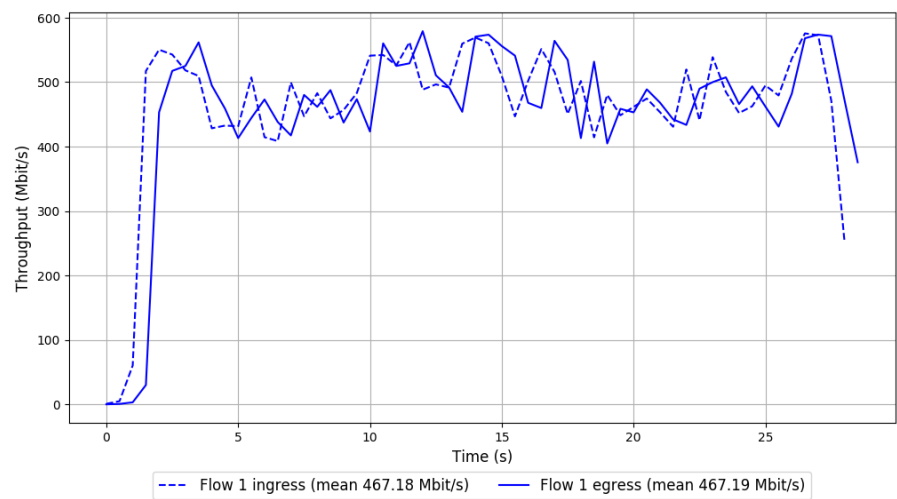
-- Flow 1:

Average throughput: 467.19 Mbit/s

95th percentile per-packet one-way delay: 115.851 ms

Loss rate: 0.00%

Run 3: Report of Indigo-MusesT — Data Link



Run 4: Statistics of Indigo-MusesT

Start at: 2020-02-17 23:25:03

End at: 2020-02-17 23:25:33

Local clock offset: -0.06 ms

Remote clock offset: 7.757 ms

Below is generated by plot.py at 2020-02-18 02:02:14

Datalink statistics

-- Total of 1 flow:

Average throughput: 502.22 Mbit/s

95th percentile per-packet one-way delay: 114.431 ms

Loss rate: 0.04%

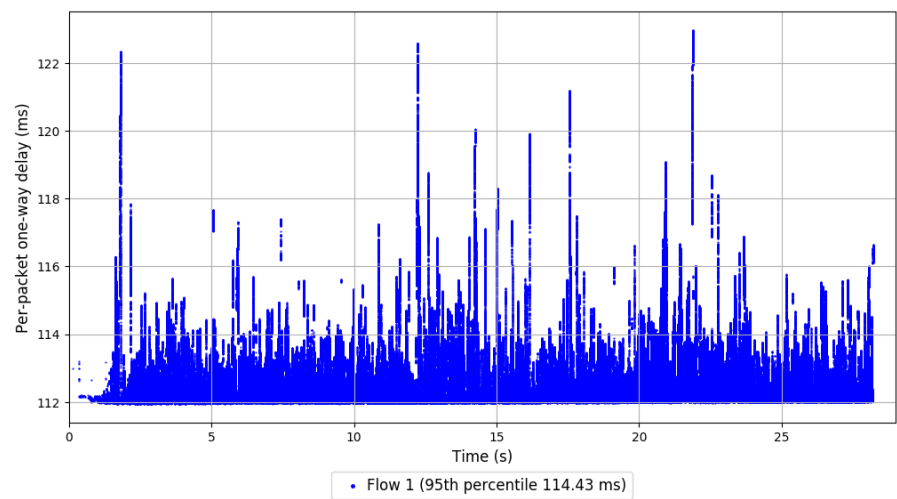
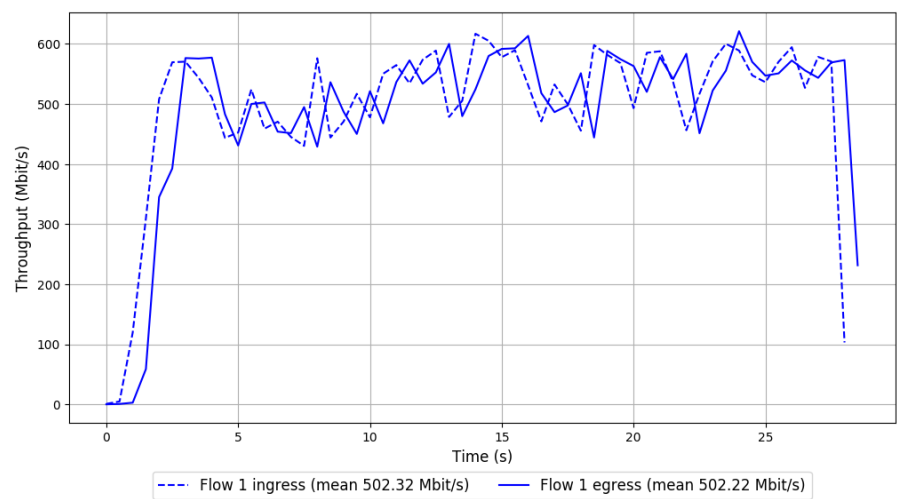
-- Flow 1:

Average throughput: 502.22 Mbit/s

95th percentile per-packet one-way delay: 114.431 ms

Loss rate: 0.04%

Run 4: Report of Indigo-MusesT — Data Link



Run 5: Statistics of Indigo-MusesT

Start at: 2020-02-18 00:00:33

End at: 2020-02-18 00:01:03

Local clock offset: -0.02 ms

Remote clock offset: 2.46 ms

Below is generated by plot.py at 2020-02-18 02:03:03

Datalink statistics

-- Total of 1 flow:

Average throughput: 511.42 Mbit/s

95th percentile per-packet one-way delay: 115.797 ms

Loss rate: 0.01%

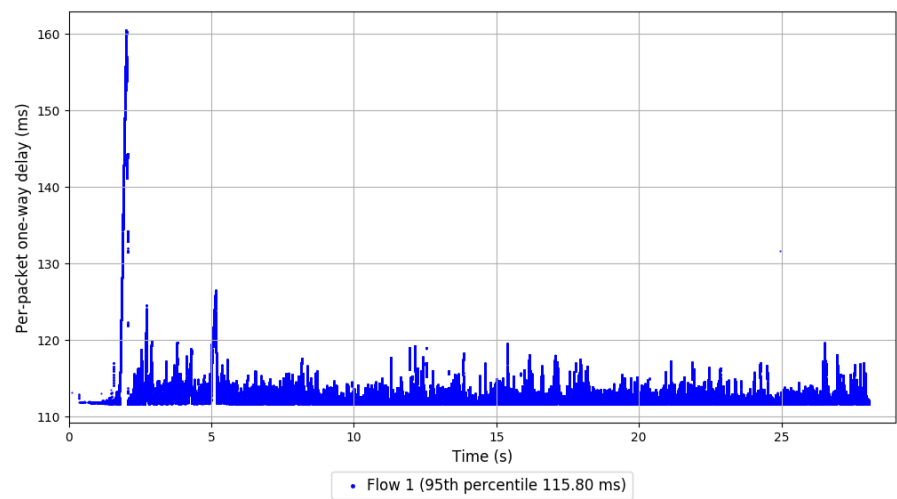
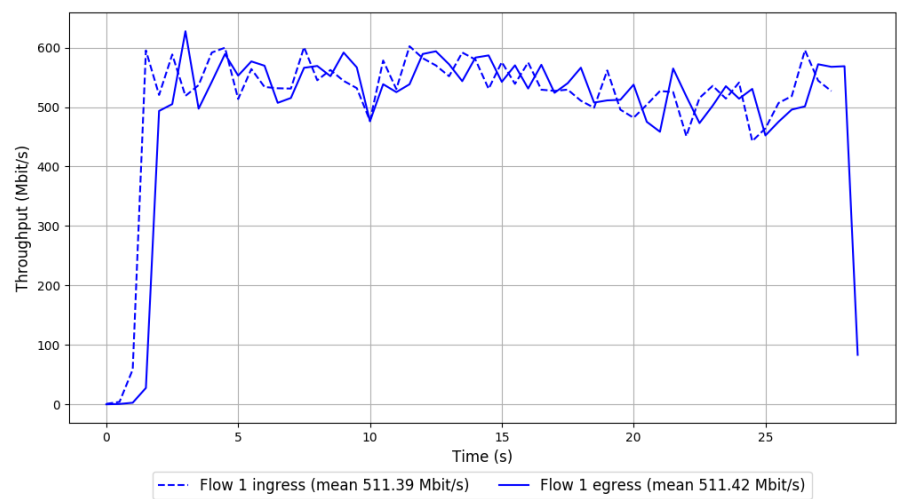
-- Flow 1:

Average throughput: 511.42 Mbit/s

95th percentile per-packet one-way delay: 115.797 ms

Loss rate: 0.01%

Run 5: Report of Indigo-MusesT — Data Link

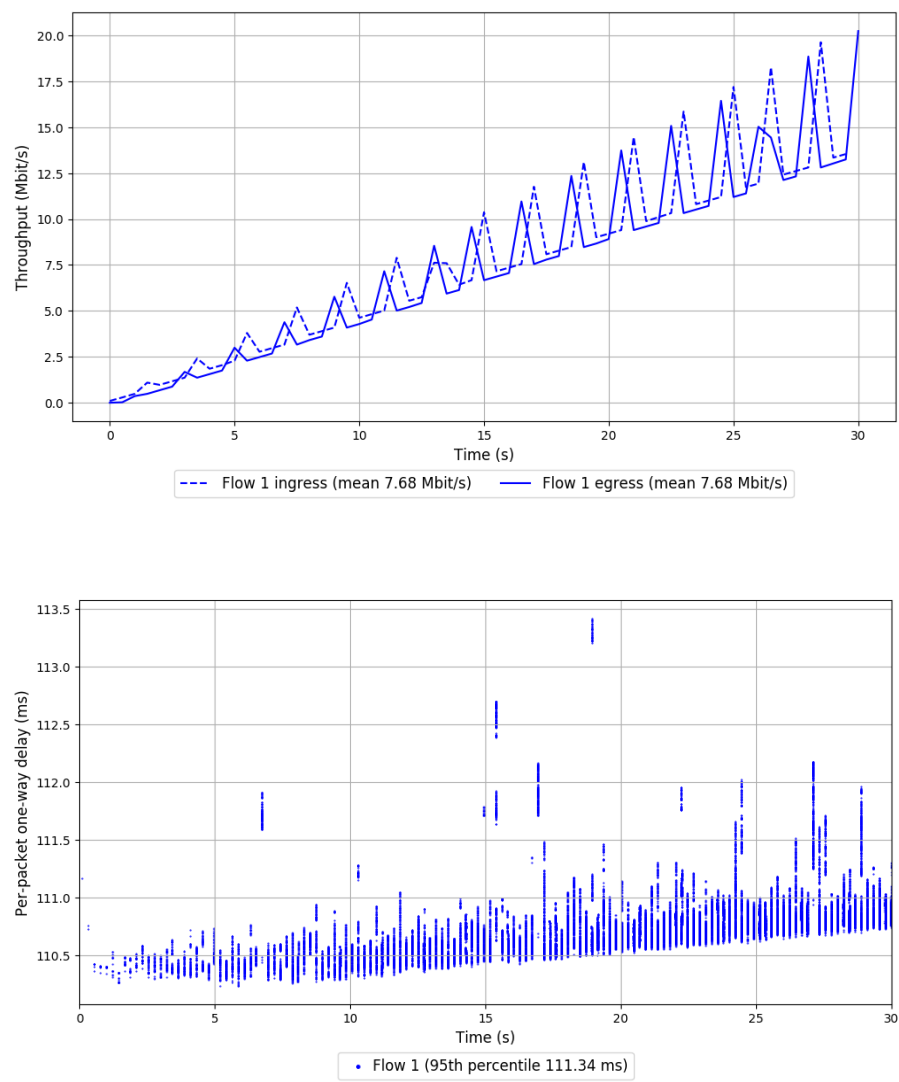


```
Run 1: Statistics of LEDBAT

Start at: 2020-02-17 21:45:50
End at: 2020-02-17 21:46:20
Local clock offset: 0.726 ms
Remote clock offset: 15.954 ms

# Below is generated by plot.py at 2020-02-18 02:03:03
# Datalink statistics
-- Total of 1 flow:
Average throughput: 7.68 Mbit/s
95th percentile per-packet one-way delay: 111.339 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 7.68 Mbit/s
95th percentile per-packet one-way delay: 111.339 ms
Loss rate: 0.00%
```

Run 1: Report of LEDBAT — Data Link



Run 2: Statistics of LEDBAT

Start at: 2020-02-17 22:21:50

End at: 2020-02-17 22:22:20

Local clock offset: -0.073 ms

Remote clock offset: 26.55 ms

Below is generated by plot.py at 2020-02-18 02:03:03

Datalink statistics

-- Total of 1 flow:

Average throughput: 7.54 Mbit/s

95th percentile per-packet one-way delay: 110.877 ms

Loss rate: 0.00%

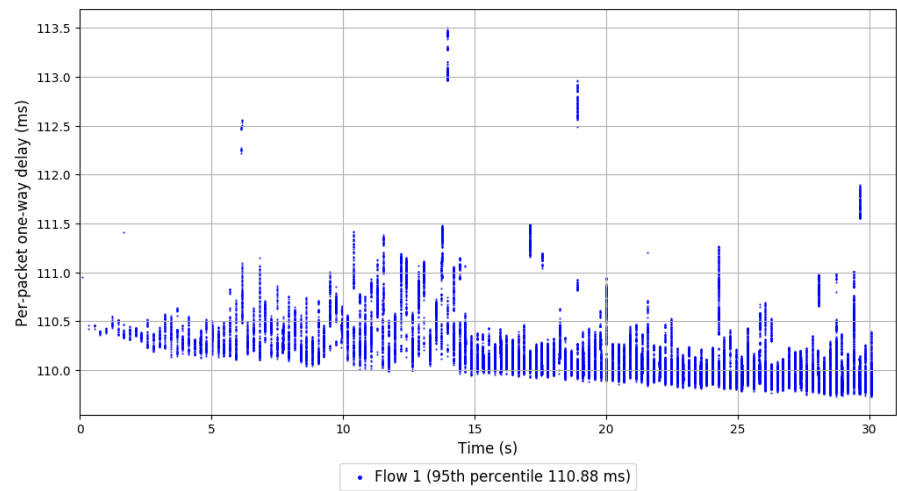
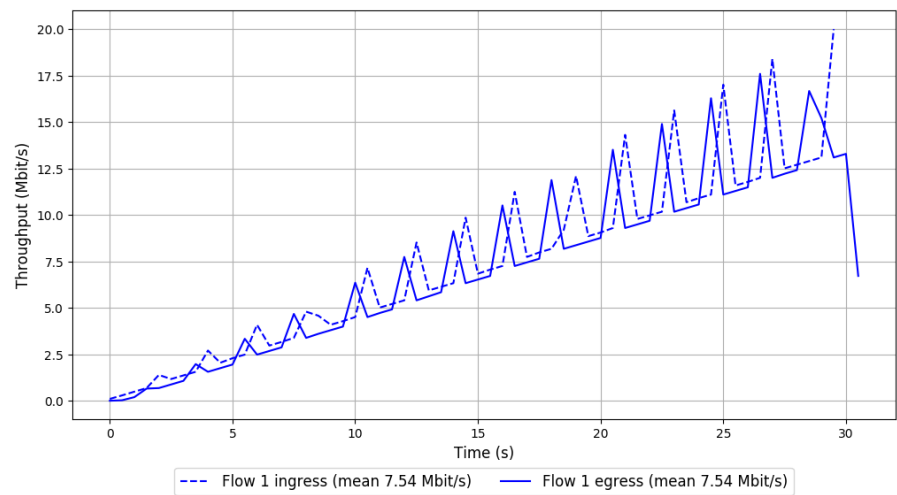
-- Flow 1:

Average throughput: 7.54 Mbit/s

95th percentile per-packet one-way delay: 110.877 ms

Loss rate: 0.00%

Run 2: Report of LEDBAT — Data Link

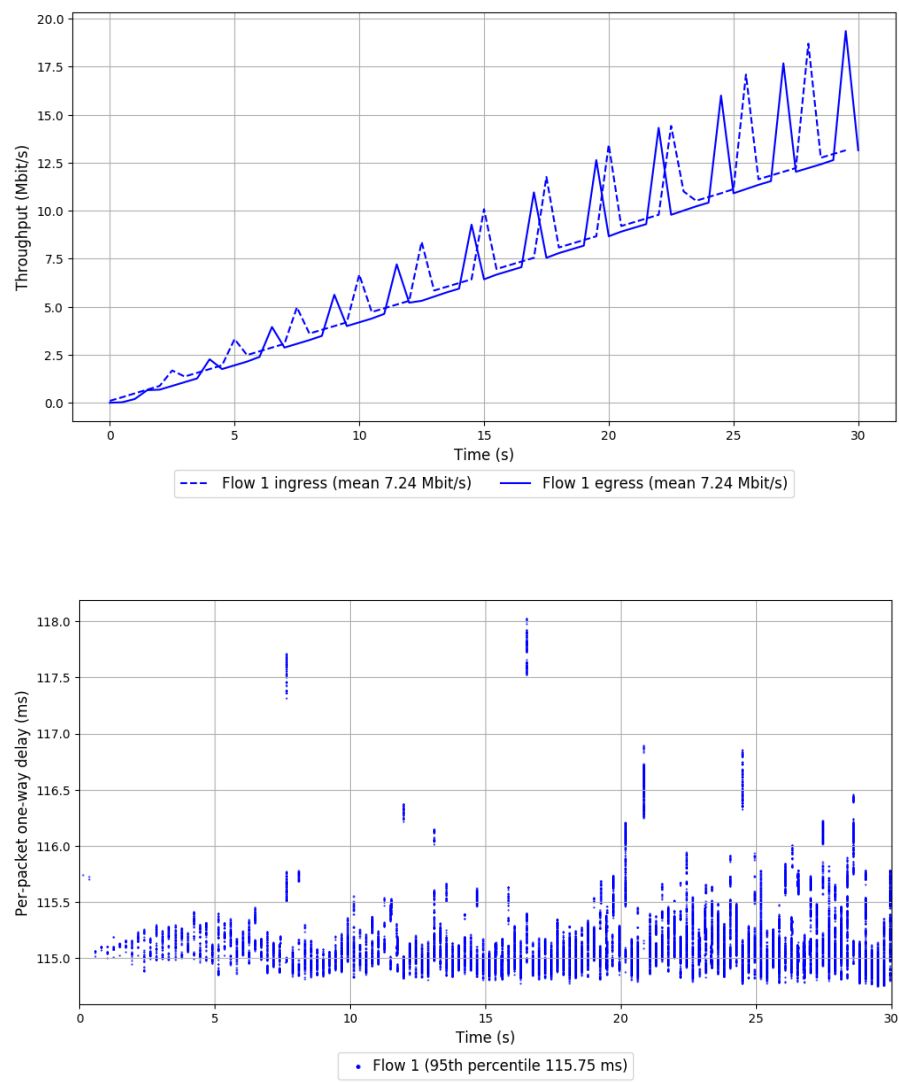


Run 3: Statistics of LEDBAT

Start at: 2020-02-17 22:57:13
End at: 2020-02-17 22:57:43
Local clock offset: -0.052 ms
Remote clock offset: 15.902 ms

Below is generated by plot.py at 2020-02-18 02:03:03
Datalink statistics
-- Total of 1 flow:
Average throughput: 7.24 Mbit/s
95th percentile per-packet one-way delay: 115.748 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 7.24 Mbit/s
95th percentile per-packet one-way delay: 115.748 ms
Loss rate: 0.00%

Run 3: Report of LEDBAT — Data Link



Run 4: Statistics of LEDBAT

Start at: 2020-02-17 23:32:57

End at: 2020-02-17 23:33:27

Local clock offset: 0.213 ms

Remote clock offset: 7.874 ms

Below is generated by plot.py at 2020-02-18 02:03:03

Datalink statistics

-- Total of 1 flow:

Average throughput: 6.93 Mbit/s

95th percentile per-packet one-way delay: 112.597 ms

Loss rate: 0.00%

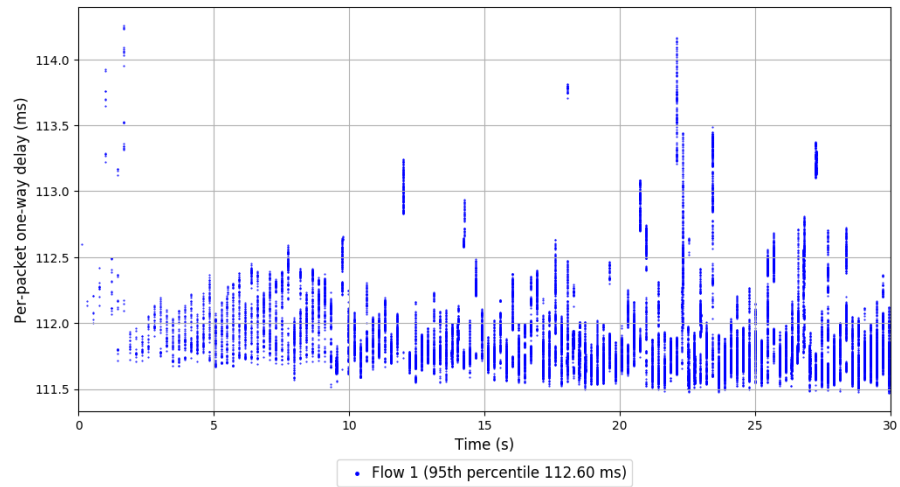
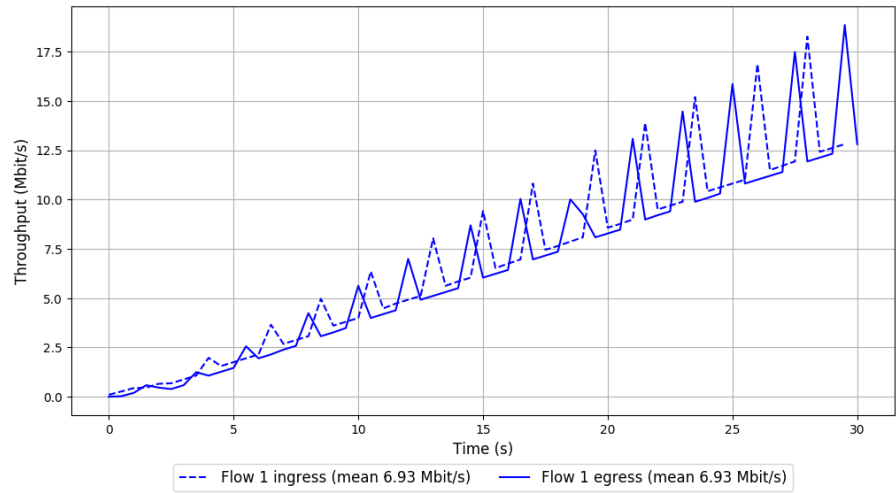
-- Flow 1:

Average throughput: 6.93 Mbit/s

95th percentile per-packet one-way delay: 112.597 ms

Loss rate: 0.00%

Run 4: Report of LEDBAT — Data Link



Run 5: Statistics of LEDBAT

Start at: 2020-02-18 00:08:21

End at: 2020-02-18 00:08:51

Local clock offset: 0.057 ms

Remote clock offset: 2.075 ms

Below is generated by plot.py at 2020-02-18 02:03:03

Datalink statistics

-- Total of 1 flow:

Average throughput: 7.48 Mbit/s

95th percentile per-packet one-way delay: 114.337 ms

Loss rate: 0.13%

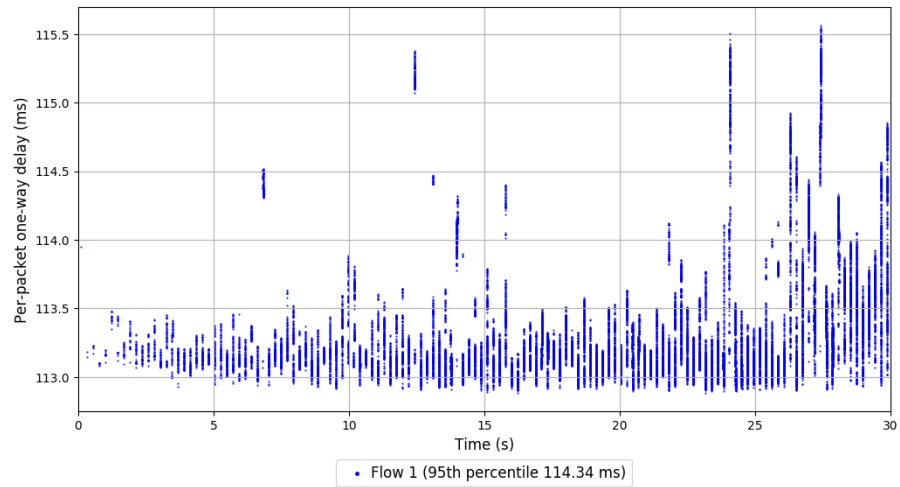
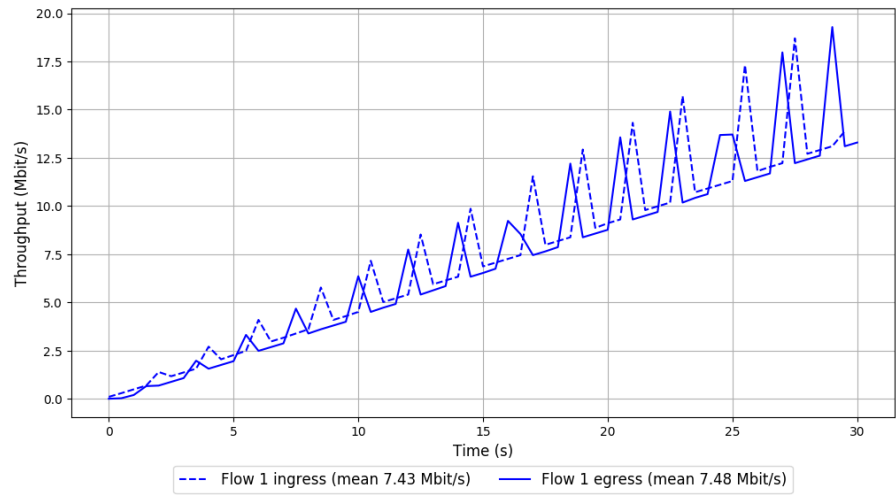
-- Flow 1:

Average throughput: 7.48 Mbit/s

95th percentile per-packet one-way delay: 114.337 ms

Loss rate: 0.13%

Run 5: Report of LEDBAT — Data Link

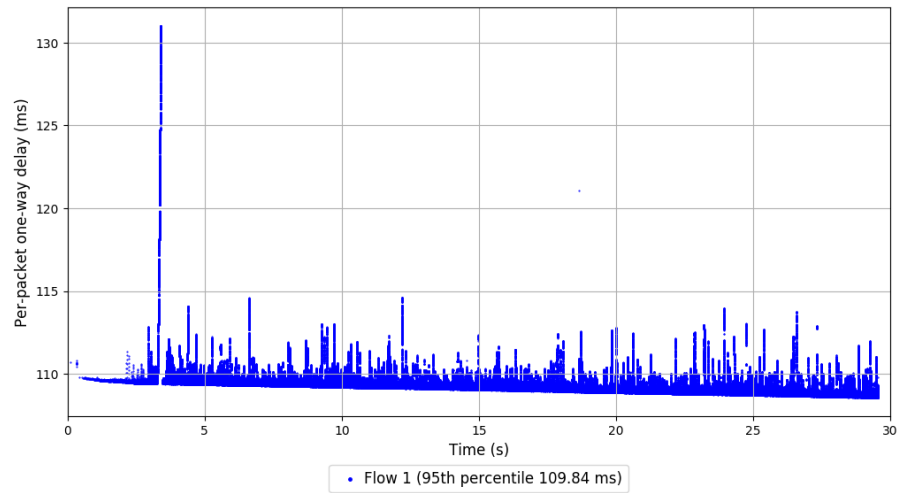
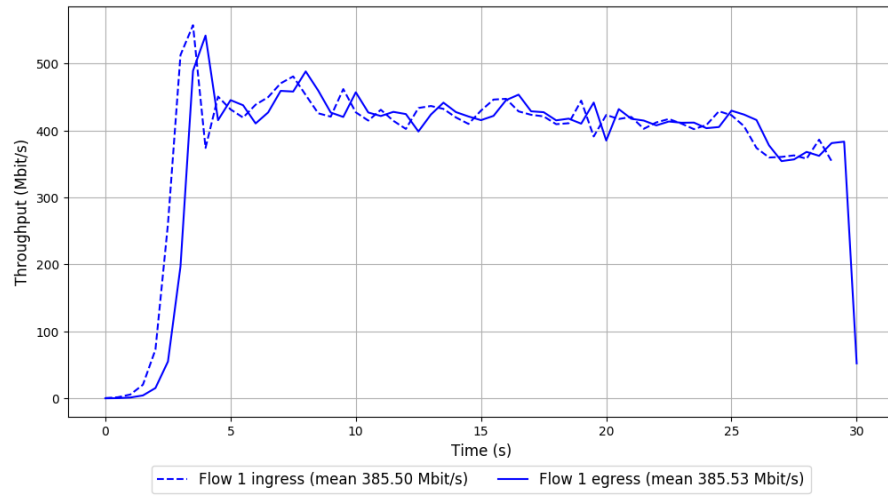


```
Run 1: Statistics of Muses\_DecisionTree

Start at: 2020-02-17 21:42:48
End at: 2020-02-17 21:43:18
Local clock offset: -0.166 ms
Remote clock offset: 14.704 ms

# Below is generated by plot.py at 2020-02-18 02:03:03
# Datalink statistics
-- Total of 1 flow:
Average throughput: 385.53 Mbit/s
95th percentile per-packet one-way delay: 109.838 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 385.53 Mbit/s
95th percentile per-packet one-way delay: 109.838 ms
Loss rate: 0.00%
```

Run 1: Report of Muses_DecisionTree — Data Link

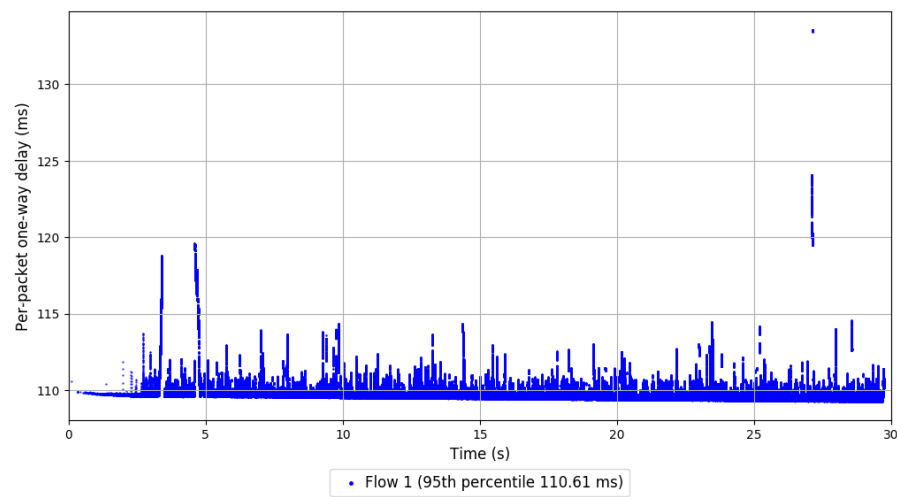
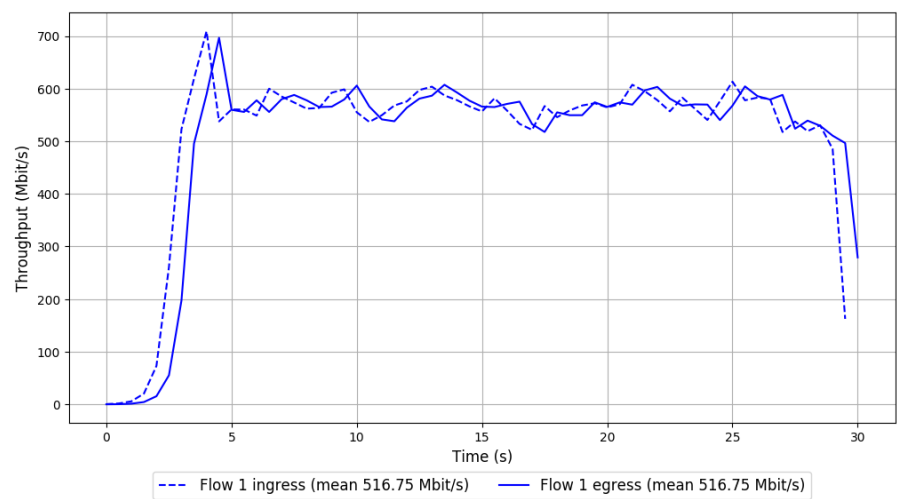


Run 2: Statistics of Muses_DecisionTree

Start at: 2020-02-17 22:18:42
End at: 2020-02-17 22:19:12
Local clock offset: 0.112 ms
Remote clock offset: 23.987 ms

Below is generated by plot.py at 2020-02-18 02:05:15
Datalink statistics
-- Total of 1 flow:
Average throughput: 516.75 Mbit/s
95th percentile per-packet one-way delay: 110.609 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 516.75 Mbit/s
95th percentile per-packet one-way delay: 110.609 ms
Loss rate: 0.00%

Run 2: Report of Muses_DecisionTree — Data Link

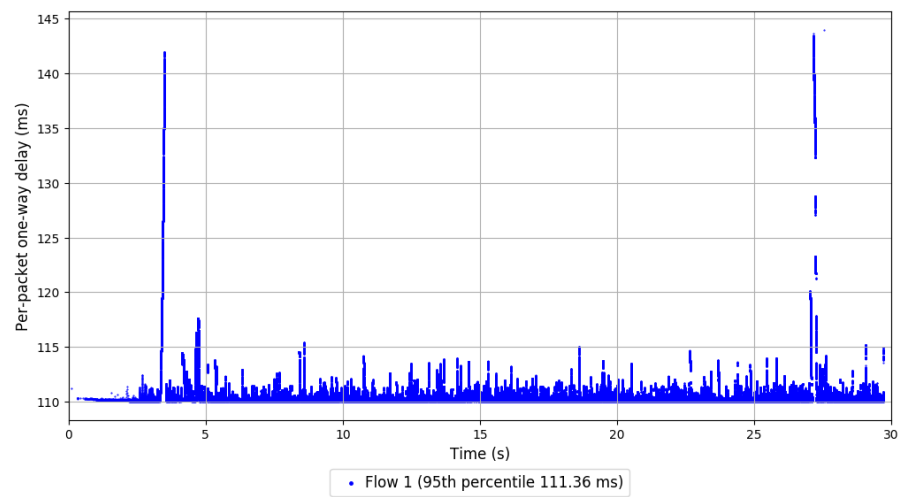
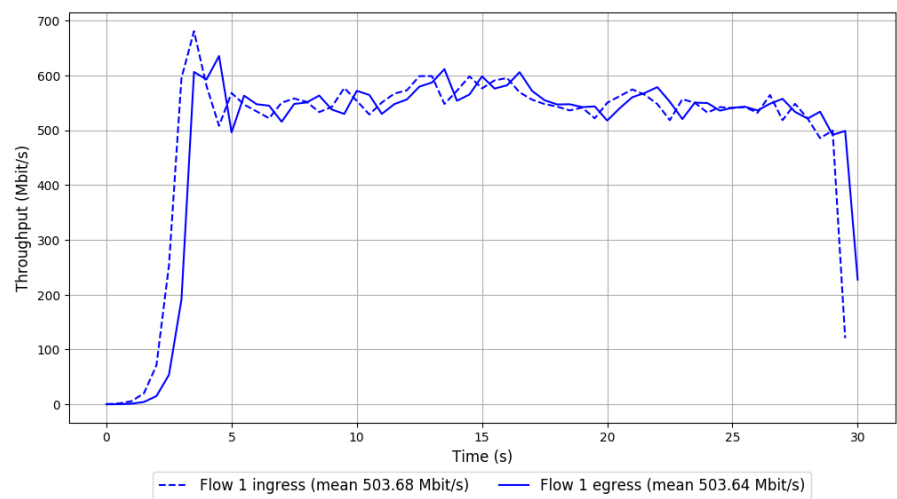


Run 3: Statistics of Muses_DecisionTree

Start at: 2020-02-17 22:54:04
End at: 2020-02-17 22:54:34
Local clock offset: 0.059 ms
Remote clock offset: 15.587 ms

Below is generated by plot.py at 2020-02-18 02:07:02
Datalink statistics
-- Total of 1 flow:
Average throughput: 503.64 Mbit/s
95th percentile per-packet one-way delay: 111.364 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 503.64 Mbit/s
95th percentile per-packet one-way delay: 111.364 ms
Loss rate: 0.00%

Run 3: Report of Muses_DecisionTree — Data Link



Run 4: Statistics of Muses_DecisionTree

Start at: 2020-02-17 23:29:51

End at: 2020-02-17 23:30:21

Local clock offset: 0.06 ms

Remote clock offset: 7.639 ms

Below is generated by plot.py at 2020-02-18 02:12:53

Datalink statistics

-- Total of 1 flow:

Average throughput: 493.62 Mbit/s

95th percentile per-packet one-way delay: 108.702 ms

Loss rate: 0.00%

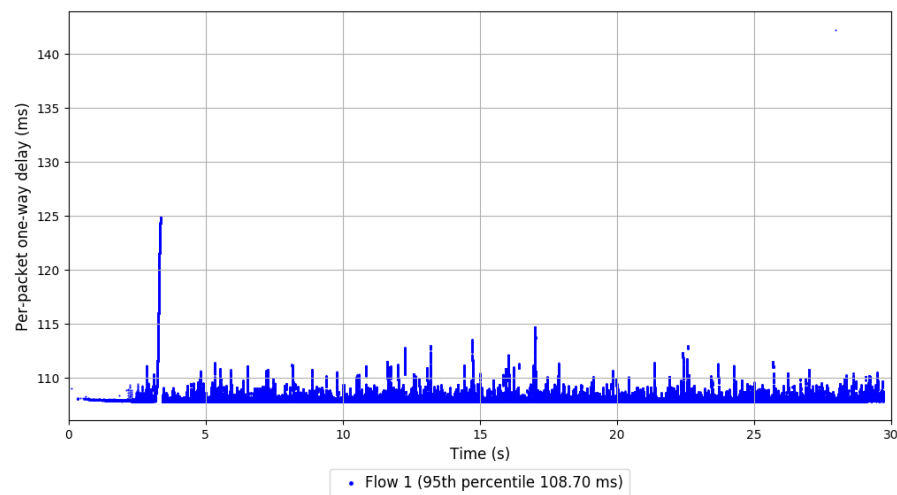
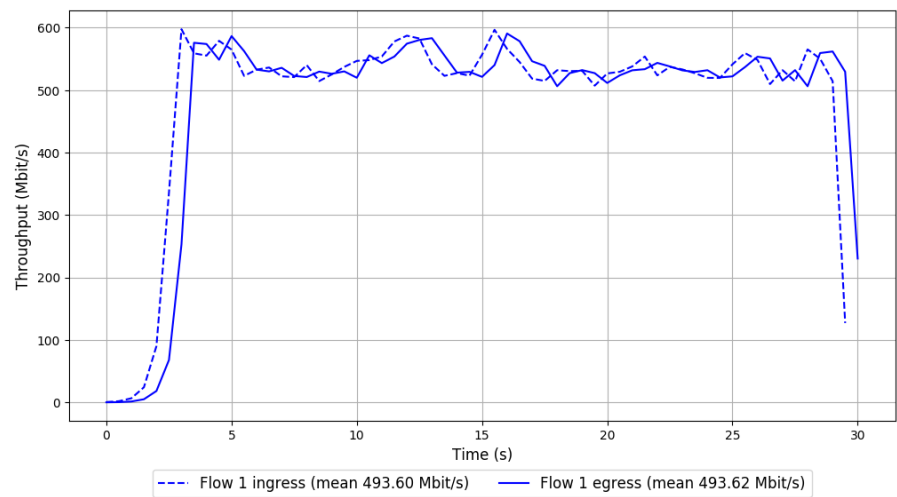
-- Flow 1:

Average throughput: 493.62 Mbit/s

95th percentile per-packet one-way delay: 108.702 ms

Loss rate: 0.00%

Run 4: Report of Muses_DecisionTree — Data Link



Run 5: Statistics of Muses_DecisionTree

Start at: 2020-02-18 00:05:26

End at: 2020-02-18 00:05:56

Local clock offset: -0.135 ms

Remote clock offset: 2.503 ms

Below is generated by plot.py at 2020-02-18 02:12:57

Datalink statistics

-- Total of 1 flow:

Average throughput: 490.56 Mbit/s

95th percentile per-packet one-way delay: 116.931 ms

Loss rate: 0.01%

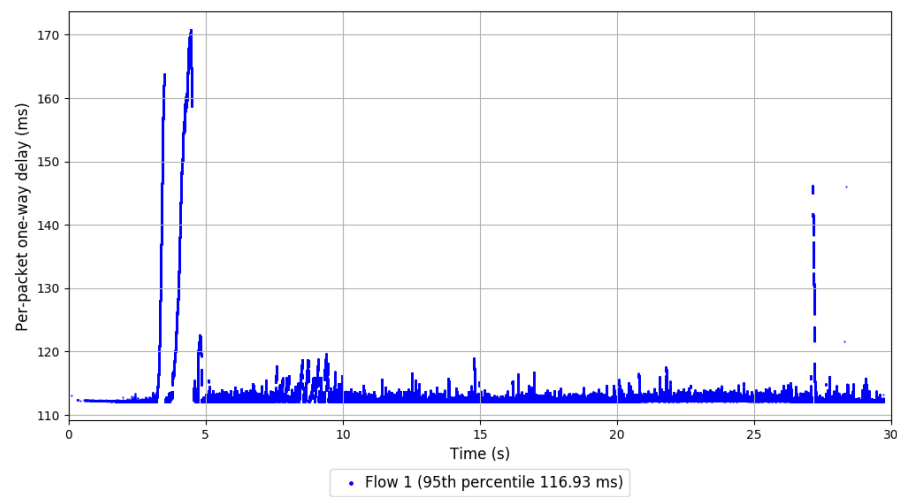
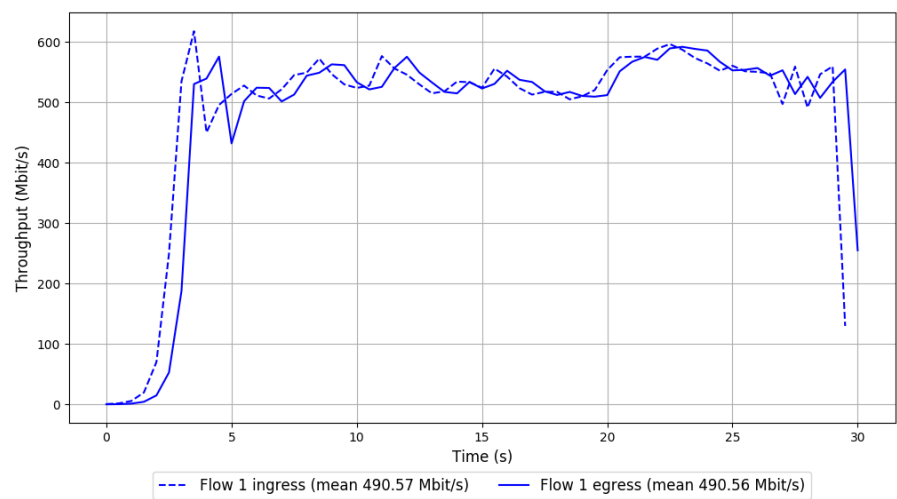
-- Flow 1:

Average throughput: 490.56 Mbit/s

95th percentile per-packet one-way delay: 116.931 ms

Loss rate: 0.01%

Run 5: Report of Muses_DecisionTree — Data Link



Run 1: Statistics of Muses_DecisionTreeH0

Start at: 2020-02-17 21:32:40

End at: 2020-02-17 21:33:10

Local clock offset: 0.073 ms

Remote clock offset: 6.178 ms

Below is generated by plot.py at 2020-02-18 02:12:57

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.62 Mbit/s

95th percentile per-packet one-way delay: 108.944 ms

Loss rate: 0.00%

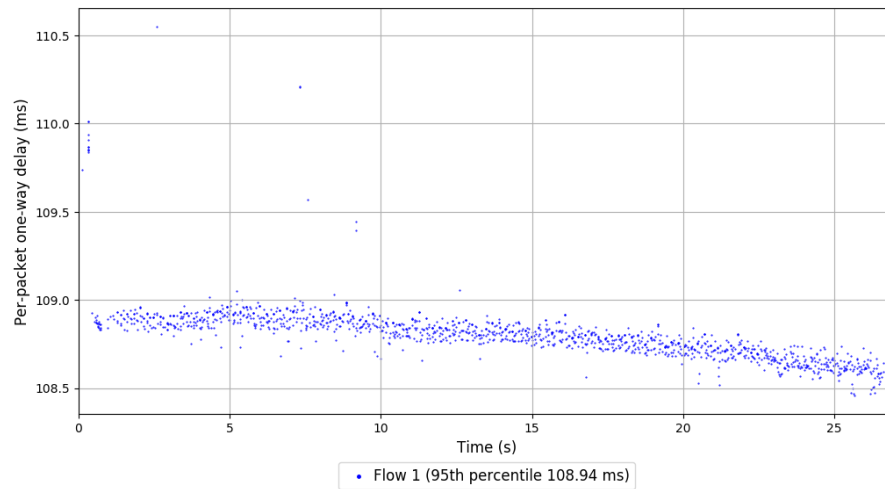
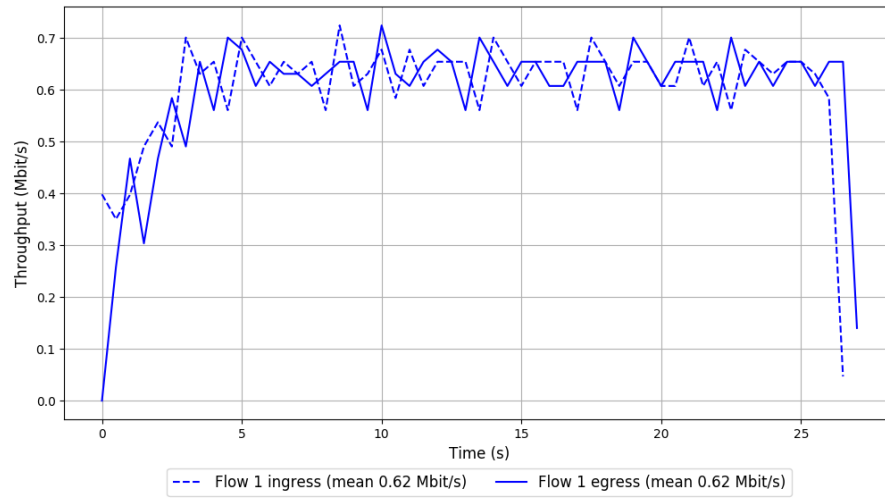
-- Flow 1:

Average throughput: 0.62 Mbit/s

95th percentile per-packet one-way delay: 108.944 ms

Loss rate: 0.00%

Run 1: Report of Muses_DecisionTreeH0 — Data Link

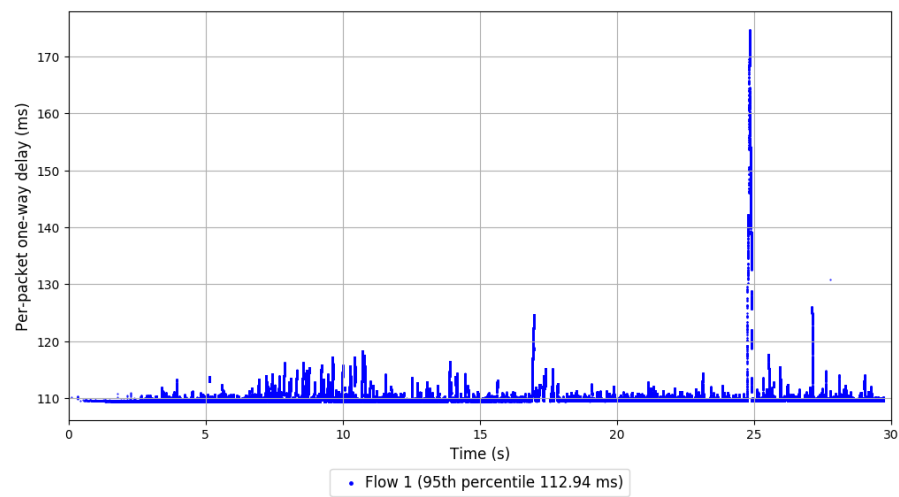
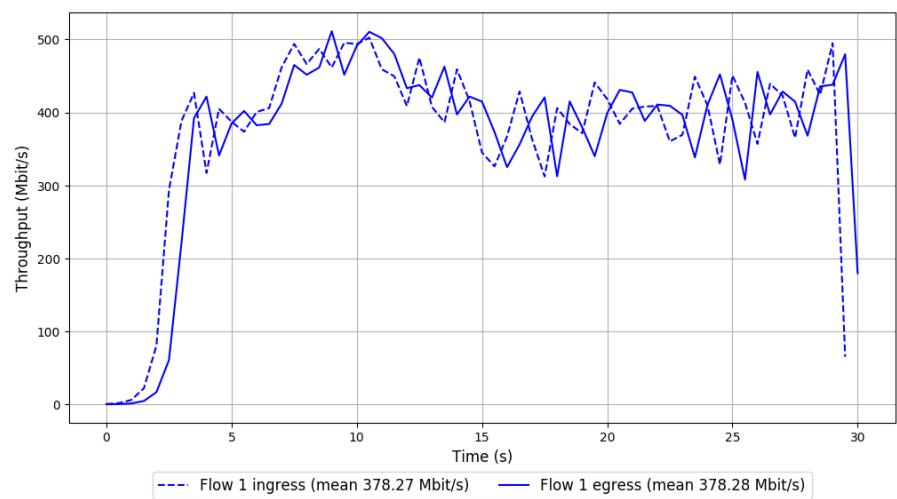


Run 2: Statistics of Muses_DecisionTreeH0

Start at: 2020-02-17 22:07:53
End at: 2020-02-17 22:08:23
Local clock offset: -0.105 ms
Remote clock offset: 20.787 ms

Below is generated by plot.py at 2020-02-18 02:12:57
Datalink statistics
-- Total of 1 flow:
Average throughput: 378.28 Mbit/s
95th percentile per-packet one-way delay: 112.935 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 378.28 Mbit/s
95th percentile per-packet one-way delay: 112.935 ms
Loss rate: 0.00%

Run 2: Report of Muses_DecisionTreeH0 — Data Link

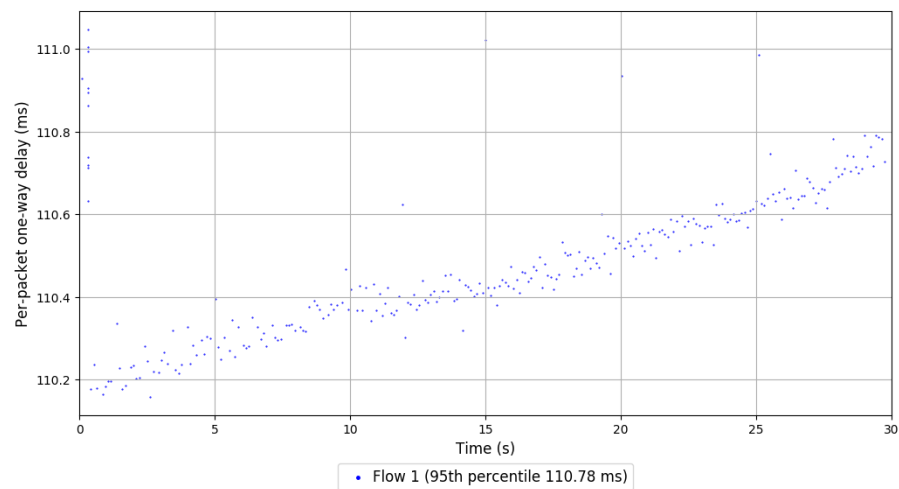
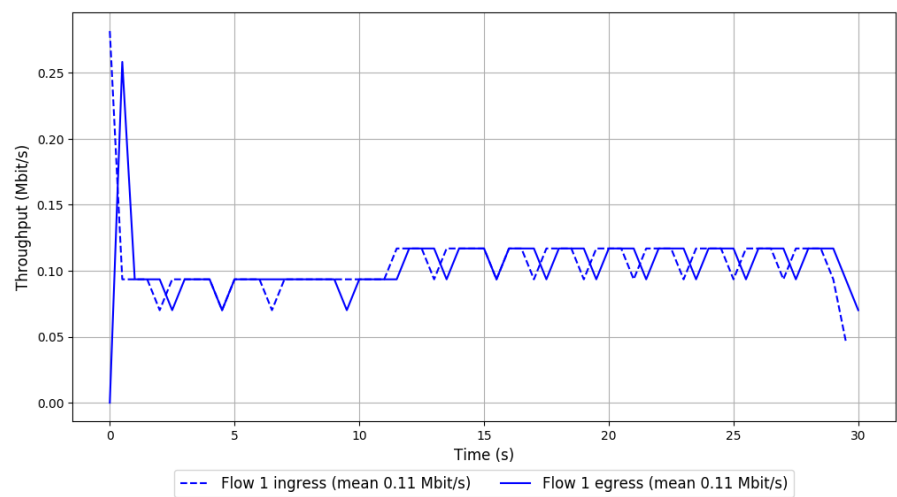


Run 3: Statistics of Muses_DecisionTreeH0

Start at: 2020-02-17 22:43:50
End at: 2020-02-17 22:44:20
Local clock offset: 0.39 ms
Remote clock offset: 20.806 ms

Below is generated by plot.py at 2020-02-18 02:12:57
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.11 Mbit/s
95th percentile per-packet one-way delay: 110.783 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.11 Mbit/s
95th percentile per-packet one-way delay: 110.783 ms
Loss rate: 0.00%

Run 3: Report of Muses_DecisionTreeH0 — Data Link



Run 4: Statistics of Muses_DecisionTreeH0

Start at: 2020-02-17 23:19:04

End at: 2020-02-17 23:19:34

Local clock offset: 0.873 ms

Remote clock offset: 9.704 ms

Below is generated by plot.py at 2020-02-18 02:13:04

Datalink statistics

-- Total of 1 flow:

Average throughput: 470.15 Mbit/s

95th percentile per-packet one-way delay: 177.587 ms

Loss rate: 1.02%

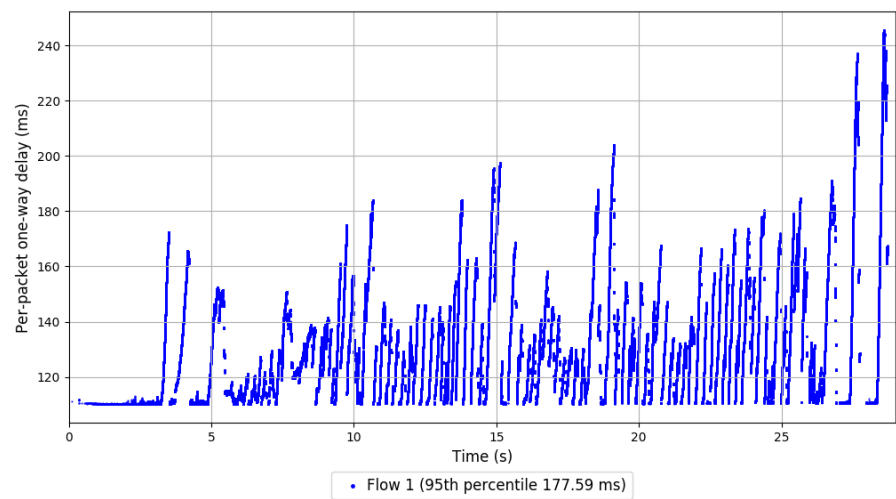
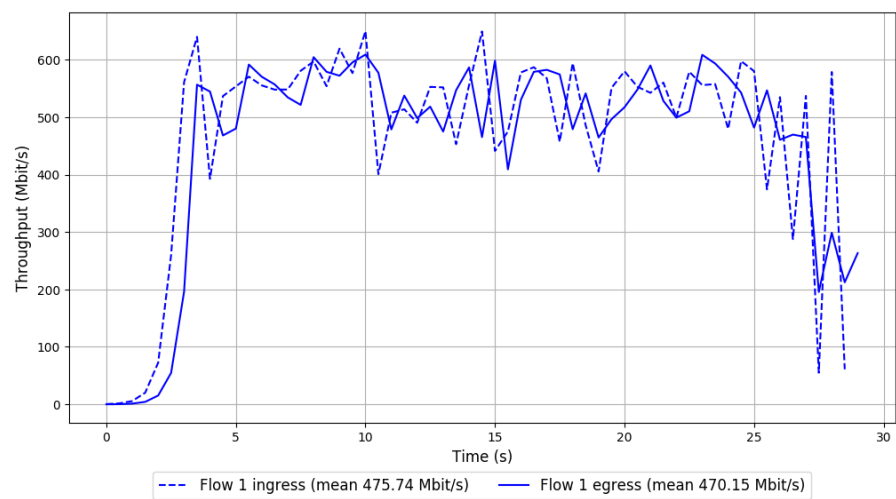
-- Flow 1:

Average throughput: 470.15 Mbit/s

95th percentile per-packet one-way delay: 177.587 ms

Loss rate: 1.02%

Run 4: Report of Muses_DecisionTreeH0 — Data Link



Run 5: Statistics of Muses_DecisionTreeH0

Start at: 2020-02-17 23:54:27

End at: 2020-02-17 23:54:57

Local clock offset: 0.18 ms

Remote clock offset: 3.604 ms

Below is generated by plot.py at 2020-02-18 02:14:54

Datalink statistics

-- Total of 1 flow:

Average throughput: 533.08 Mbit/s

95th percentile per-packet one-way delay: 114.926 ms

Loss rate: 0.01%

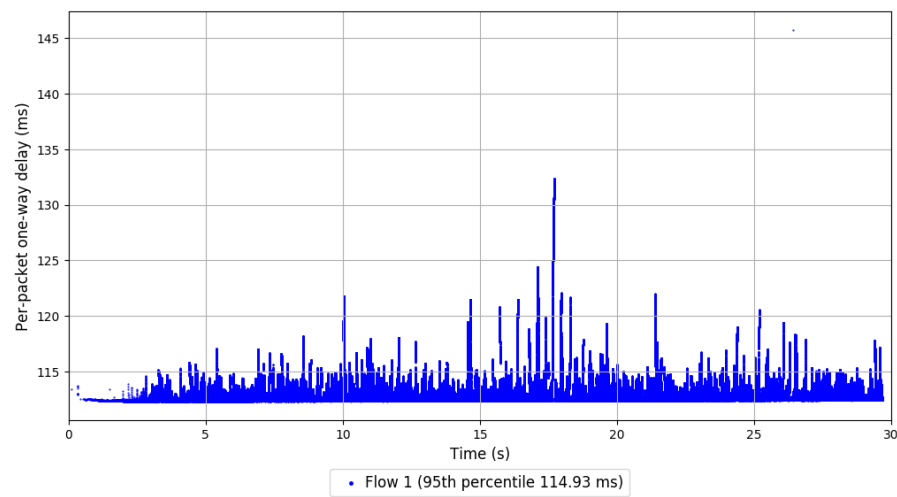
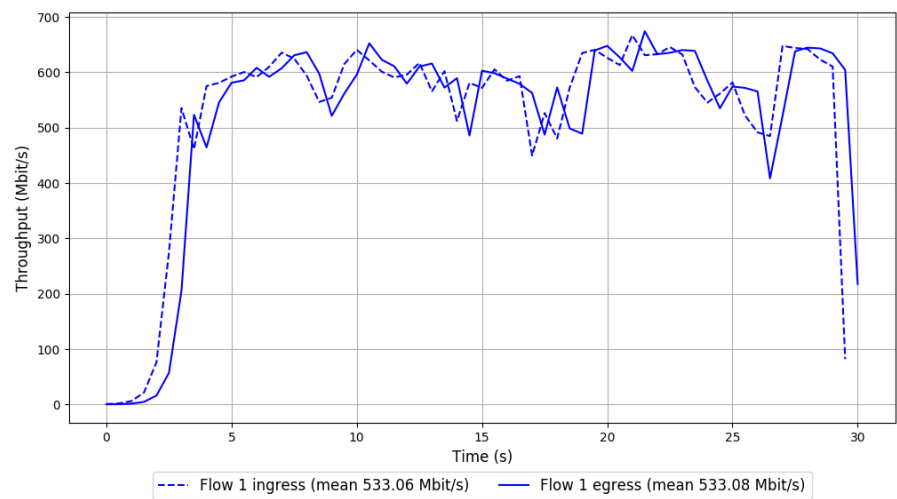
-- Flow 1:

Average throughput: 533.08 Mbit/s

95th percentile per-packet one-way delay: 114.926 ms

Loss rate: 0.01%

Run 5: Report of Muses_DecisionTreeH0 — Data Link

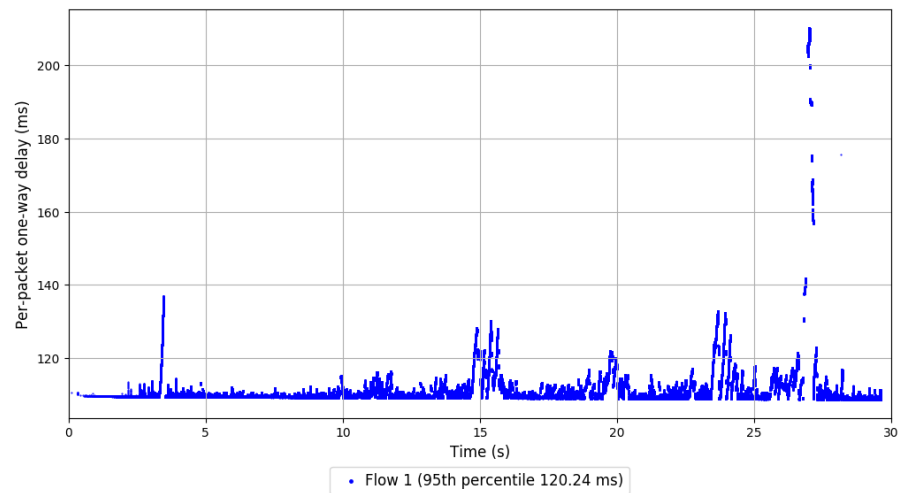
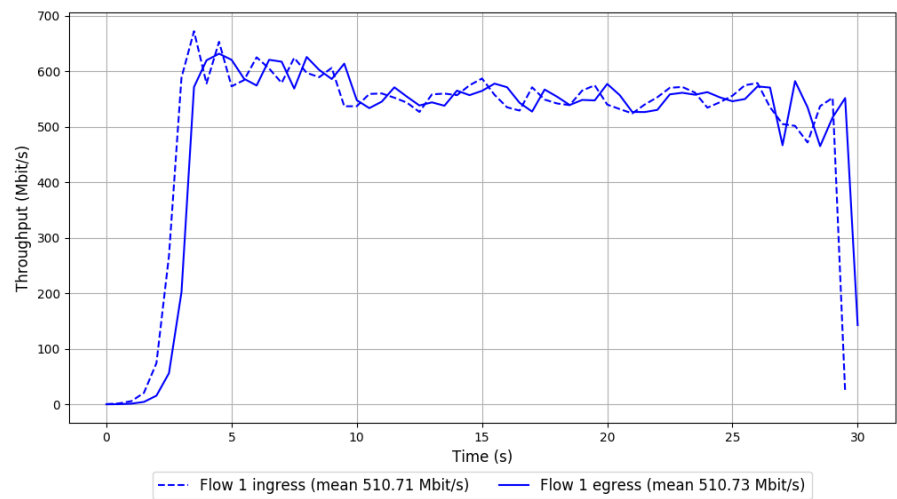


```
Run 1: Statistics of Muses\_DecisionTreeR0

Start at: 2020-02-17 21:41:11
End at: 2020-02-17 21:41:41
Local clock offset: -0.073 ms
Remote clock offset: 11.812 ms

# Below is generated by plot.py at 2020-02-18 02:15:13
# Datalink statistics
-- Total of 1 flow:
Average throughput: 510.73 Mbit/s
95th percentile per-packet one-way delay: 120.241 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 510.73 Mbit/s
95th percentile per-packet one-way delay: 120.241 ms
Loss rate: 0.00%
```

Run 1: Report of Muses_DecisionTreeR0 — Data Link

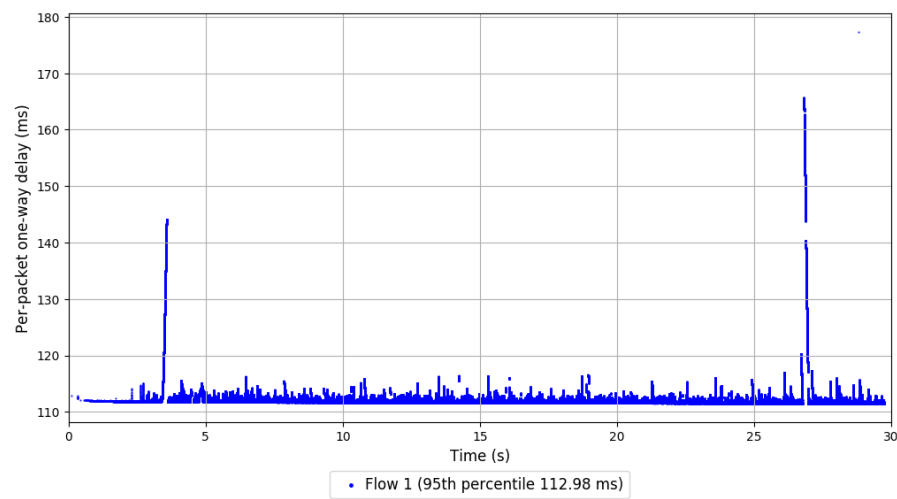
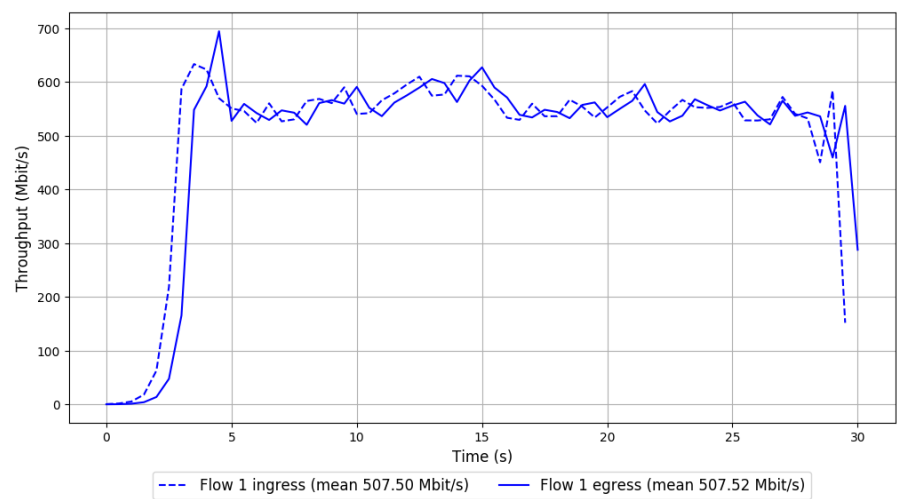


Run 2: Statistics of Muses_DecisionTreeR0

Start at: 2020-02-17 22:17:04
End at: 2020-02-17 22:17:34
Local clock offset: -0.061 ms
Remote clock offset: 22.856 ms

Below is generated by plot.py at 2020-02-18 02:17:28
Datalink statistics
-- Total of 1 flow:
Average throughput: 507.52 Mbit/s
95th percentile per-packet one-way delay: 112.981 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 507.52 Mbit/s
95th percentile per-packet one-way delay: 112.981 ms
Loss rate: 0.00%

Run 2: Report of Muses_DecisionTreeR0 — Data Link

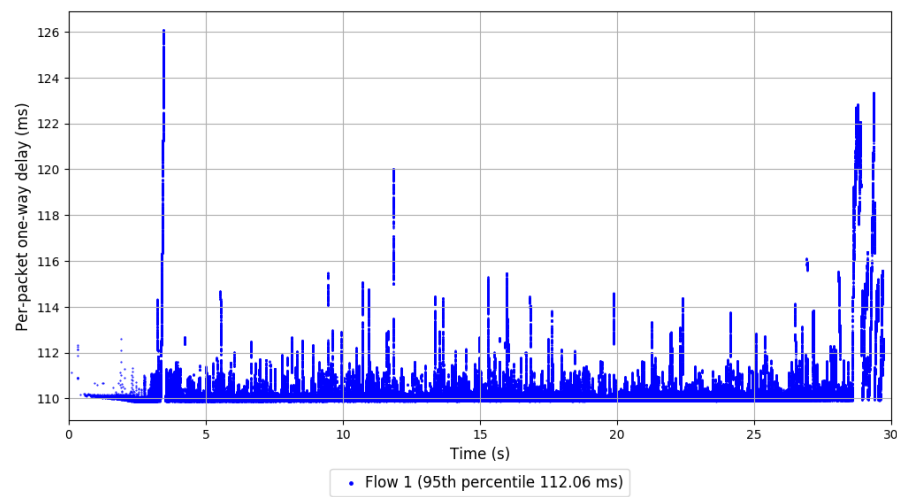
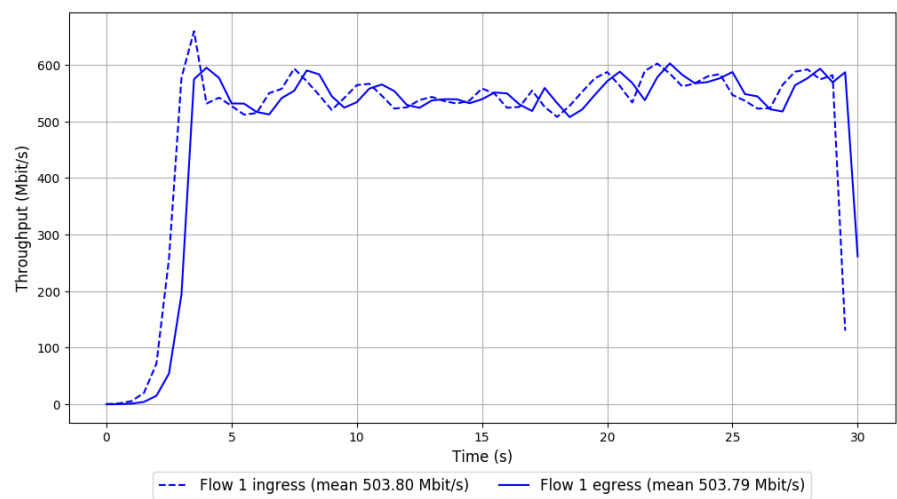


Run 3: Statistics of Muses_DecisionTreeR0

Start at: 2020-02-17 22:52:27
End at: 2020-02-17 22:52:57
Local clock offset: 0.123 ms
Remote clock offset: 15.604 ms

Below is generated by plot.py at 2020-02-18 02:19:20
Datalink statistics
-- Total of 1 flow:
Average throughput: 503.79 Mbit/s
95th percentile per-packet one-way delay: 112.061 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 503.79 Mbit/s
95th percentile per-packet one-way delay: 112.061 ms
Loss rate: 0.00%

Run 3: Report of Muses_DecisionTreeR0 — Data Link



Run 4: Statistics of Muses_DecisionTreeR0

Start at: 2020-02-17 23:28:15

End at: 2020-02-17 23:28:45

Local clock offset: 1.438 ms

Remote clock offset: 7.581 ms

Below is generated by plot.py at 2020-02-18 02:21:17

Datalink statistics

-- Total of 1 flow:

Average throughput: 471.51 Mbit/s

95th percentile per-packet one-way delay: 113.545 ms

Loss rate: 0.01%

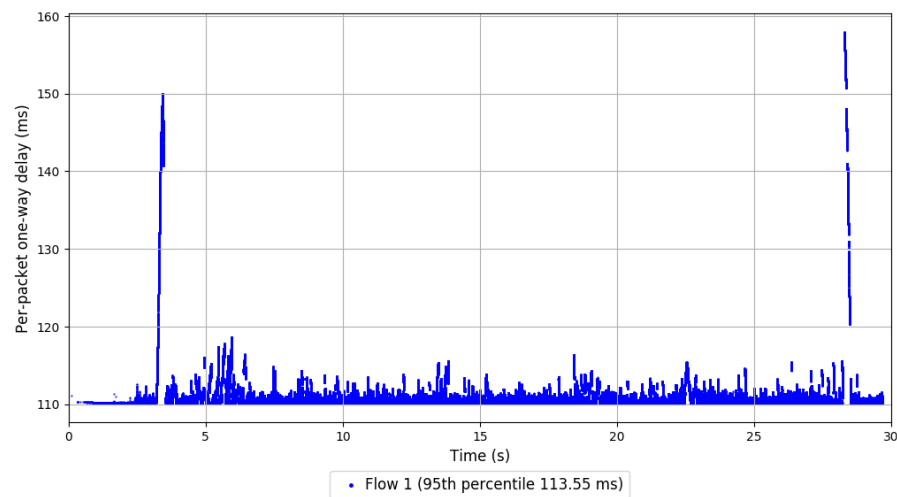
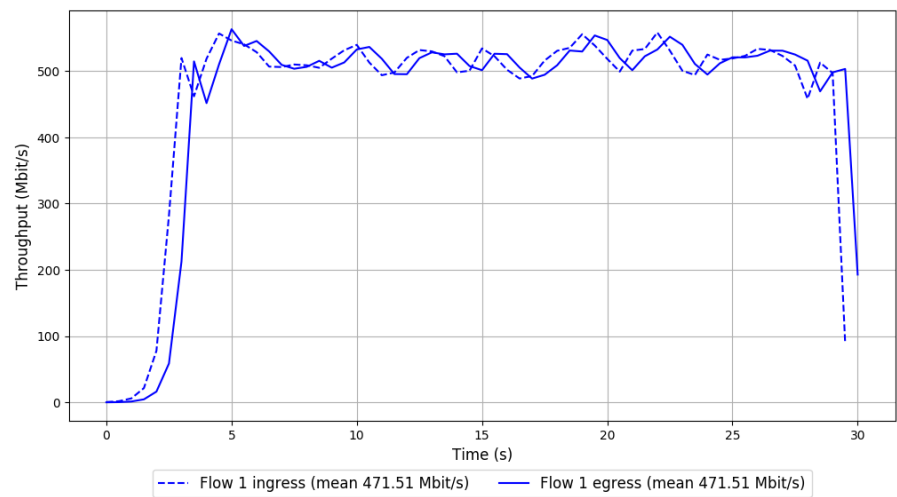
-- Flow 1:

Average throughput: 471.51 Mbit/s

95th percentile per-packet one-way delay: 113.545 ms

Loss rate: 0.01%

Run 4: Report of Muses_DecisionTreeR0 — Data Link



Run 5: Statistics of Muses_DecisionTreeR0

Start at: 2020-02-18 00:03:49

End at: 2020-02-18 00:04:19

Local clock offset: -0.364 ms

Remote clock offset: 2.188 ms

Below is generated by plot.py at 2020-02-18 02:23:51

Datalink statistics

-- Total of 1 flow:

Average throughput: 486.60 Mbit/s

95th percentile per-packet one-way delay: 117.639 ms

Loss rate: 0.03%

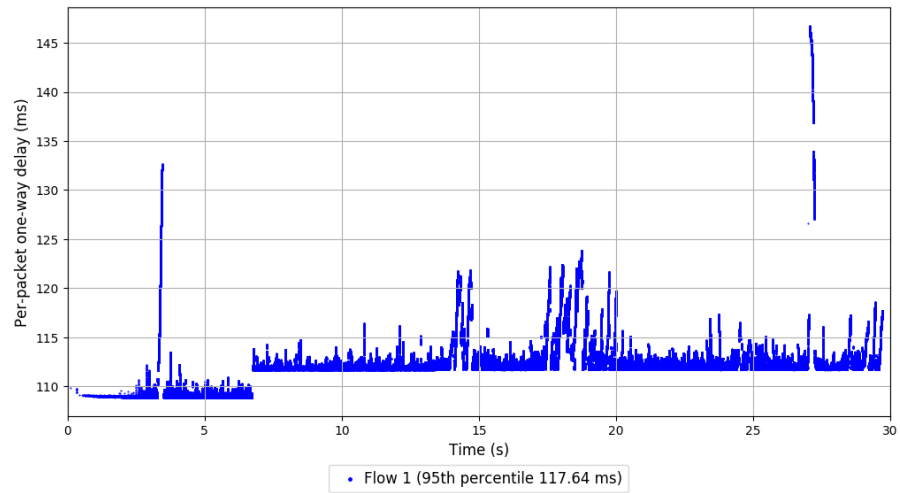
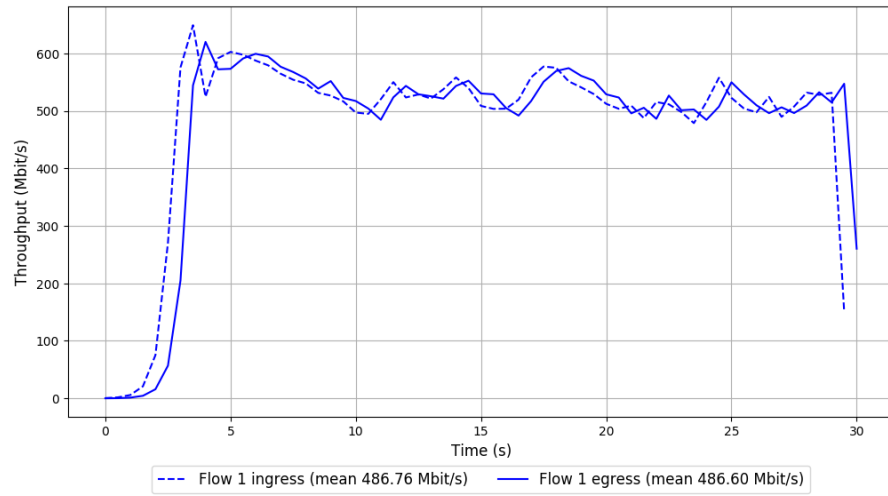
-- Flow 1:

Average throughput: 486.60 Mbit/s

95th percentile per-packet one-way delay: 117.639 ms

Loss rate: 0.03%

Run 5: Report of Muses_DecisionTreeR0 — Data Link

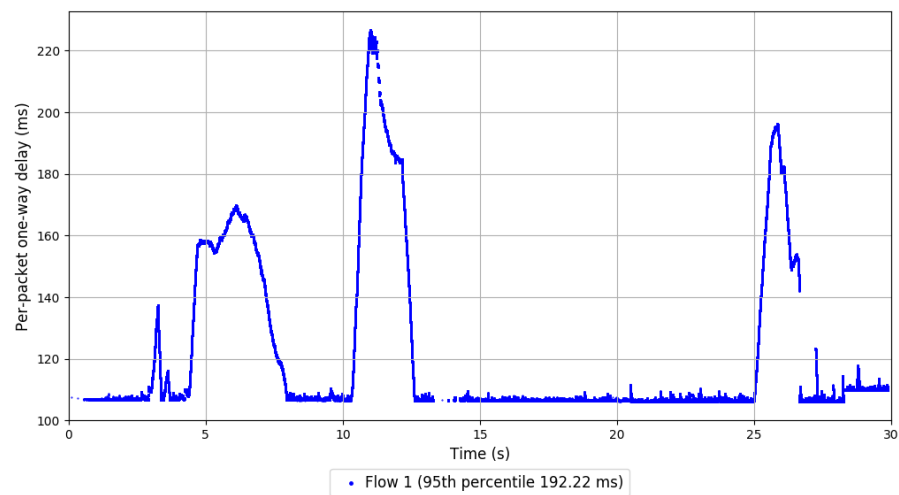
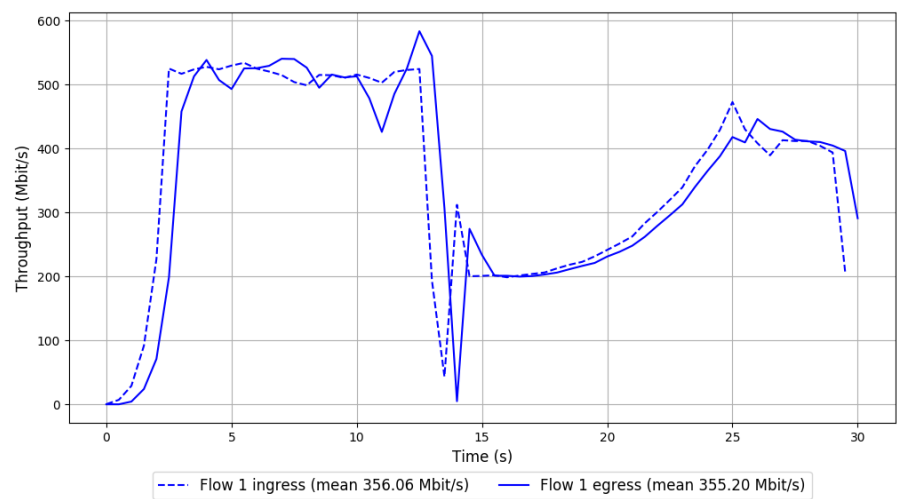


```
Run 1: Statistics of PCC-Allegro

Start at: 2020-02-17 21:56:19
End at: 2020-02-17 21:56:49
Local clock offset: 0.798 ms
Remote clock offset: 19.635 ms

# Below is generated by plot.py at 2020-02-18 02:29:12
# Datalink statistics
-- Total of 1 flow:
Average throughput: 355.20 Mbit/s
95th percentile per-packet one-way delay: 192.216 ms
Loss rate: 0.24%
-- Flow 1:
Average throughput: 355.20 Mbit/s
95th percentile per-packet one-way delay: 192.216 ms
Loss rate: 0.24%
```

Run 1: Report of PCC-Allegro — Data Link



Run 2: Statistics of PCC-Allegro

Start at: 2020-02-17 22:32:14

End at: 2020-02-17 22:32:44

Local clock offset: -0.096 ms

Remote clock offset: 37.34 ms

Below is generated by plot.py at 2020-02-18 02:33:44

Datalink statistics

-- Total of 1 flow:

Average throughput: 429.35 Mbit/s

95th percentile per-packet one-way delay: 220.189 ms

Loss rate: 2.08%

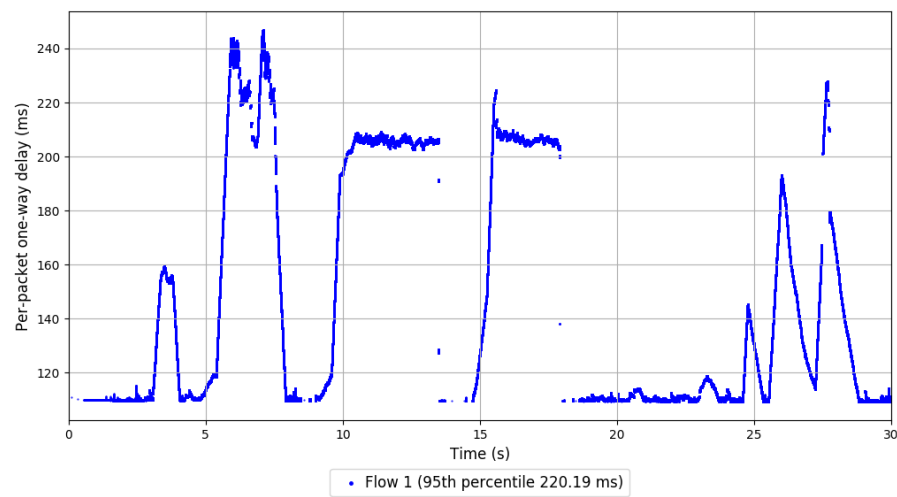
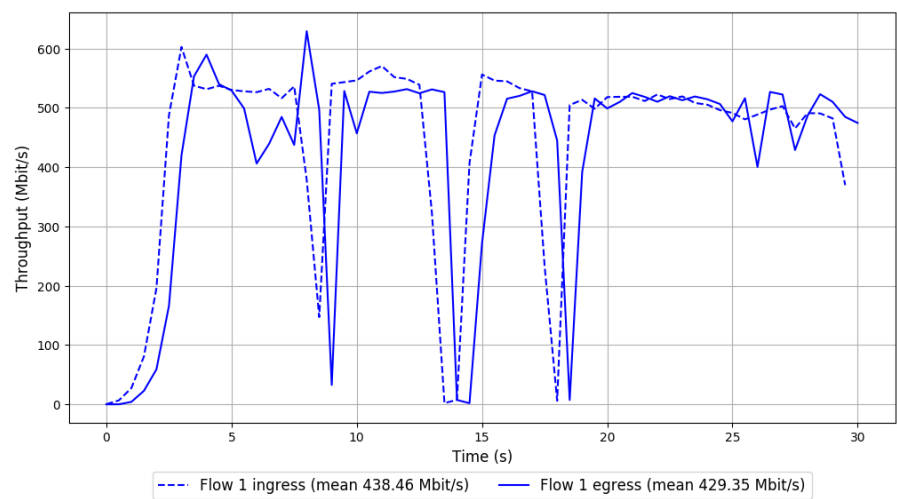
-- Flow 1:

Average throughput: 429.35 Mbit/s

95th percentile per-packet one-way delay: 220.189 ms

Loss rate: 2.08%

Run 2: Report of PCC-Allegro — Data Link



Run 3: Statistics of PCC-Allegro

Start at: 2020-02-17 23:07:28

End at: 2020-02-17 23:07:58

Local clock offset: -0.156 ms

Remote clock offset: 19.606 ms

Below is generated by plot.py at 2020-02-18 02:34:56

Datalink statistics

-- Total of 1 flow:

Average throughput: 420.53 Mbit/s

95th percentile per-packet one-way delay: 233.781 ms

Loss rate: 3.03%

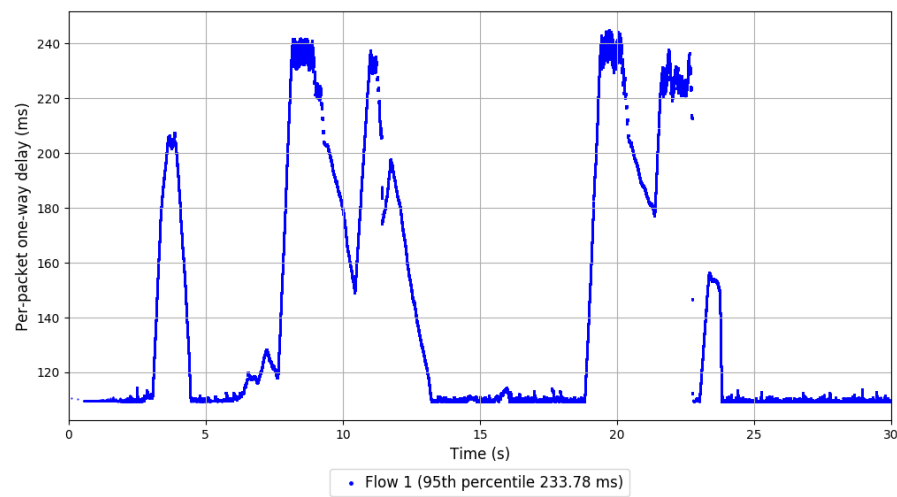
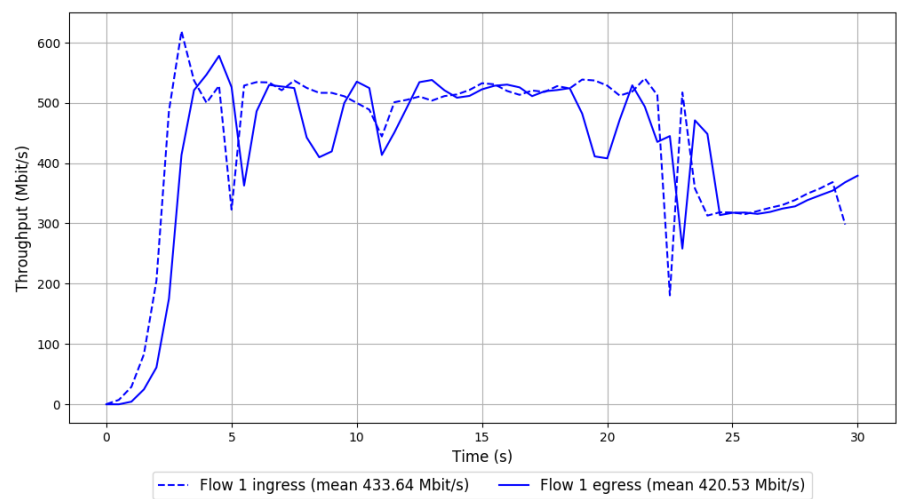
-- Flow 1:

Average throughput: 420.53 Mbit/s

95th percentile per-packet one-way delay: 233.781 ms

Loss rate: 3.03%

Run 3: Report of PCC-Allegro — Data Link



Run 4: Statistics of PCC-Allegro

Start at: 2020-02-17 23:43:16

End at: 2020-02-17 23:43:46

Local clock offset: 0.004 ms

Remote clock offset: 9.842 ms

Below is generated by plot.py at 2020-02-18 02:34:56

Datalink statistics

-- Total of 1 flow:

Average throughput: 373.32 Mbit/s

95th percentile per-packet one-way delay: 235.276 ms

Loss rate: 1.25%

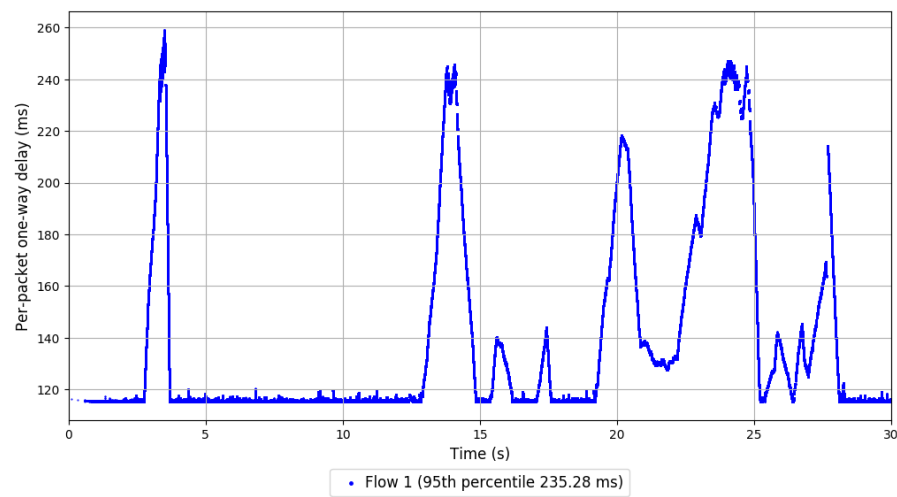
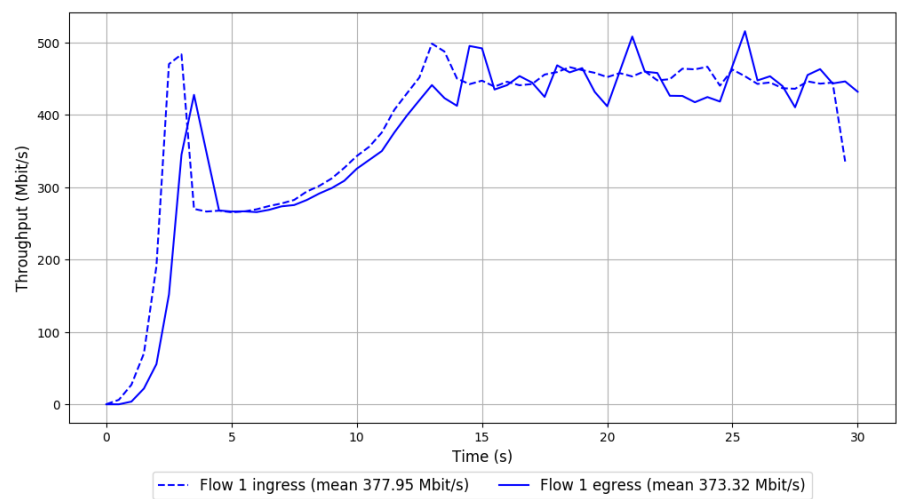
-- Flow 1:

Average throughput: 373.32 Mbit/s

95th percentile per-packet one-way delay: 235.276 ms

Loss rate: 1.25%

Run 4: Report of PCC-Allegro — Data Link



Run 5: Statistics of PCC-Allegro

Start at: 2020-02-18 00:18:50

End at: 2020-02-18 00:19:20

Local clock offset: -0.067 ms

Remote clock offset: 2.179 ms

Below is generated by plot.py at 2020-02-18 02:36:00

Datalink statistics

-- Total of 1 flow:

Average throughput: 377.24 Mbit/s

95th percentile per-packet one-way delay: 196.490 ms

Loss rate: 0.51%

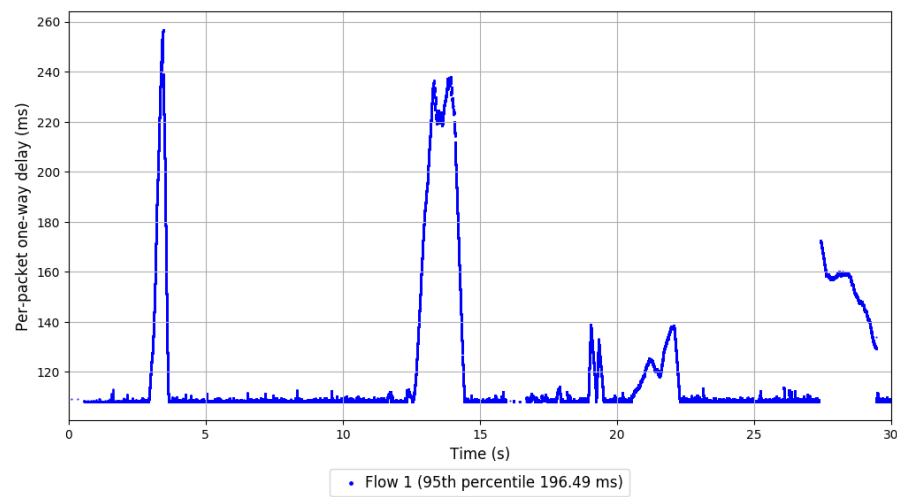
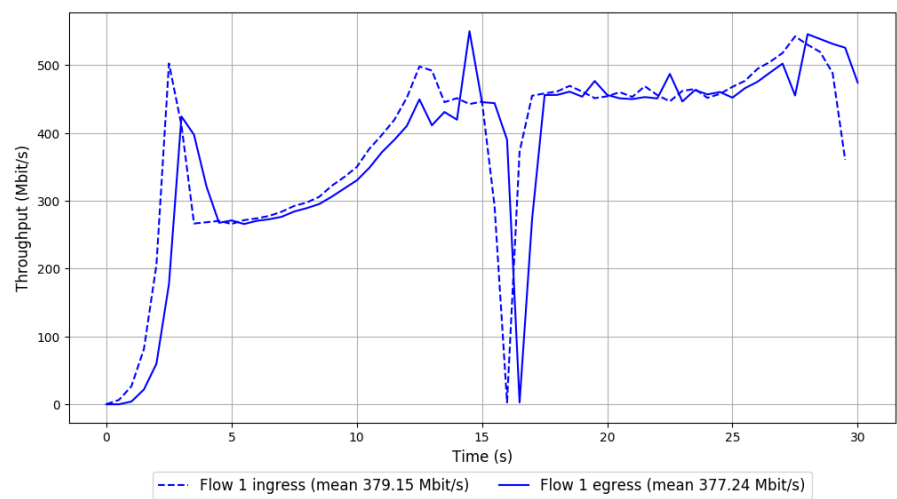
-- Flow 1:

Average throughput: 377.24 Mbit/s

95th percentile per-packet one-way delay: 196.490 ms

Loss rate: 0.51%

Run 5: Report of PCC-Allegro — Data Link

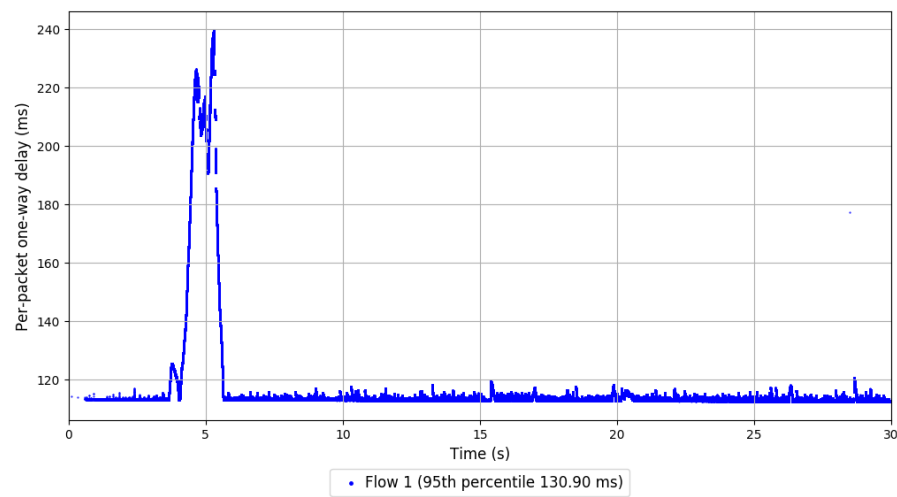
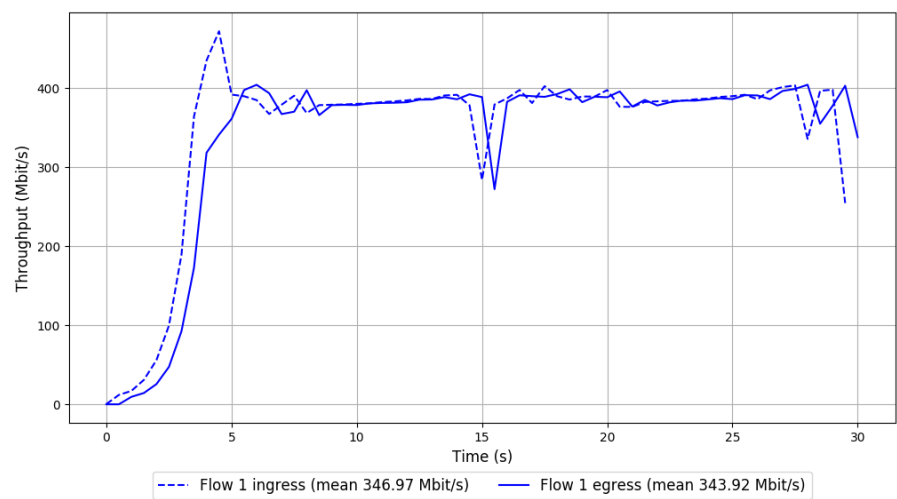


```
Run 1: Statistics of PCC-Expr

Start at: 2020-02-17 21:59:29
End at: 2020-02-17 21:59:59
Local clock offset: -0.822 ms
Remote clock offset: 24.249 ms

# Below is generated by plot.py at 2020-02-18 02:36:03
# Datalink statistics
-- Total of 1 flow:
Average throughput: 343.92 Mbit/s
95th percentile per-packet one-way delay: 130.903 ms
Loss rate: 0.90%
-- Flow 1:
Average throughput: 343.92 Mbit/s
95th percentile per-packet one-way delay: 130.903 ms
Loss rate: 0.90%
```

Run 1: Report of PCC-Expr — Data Link

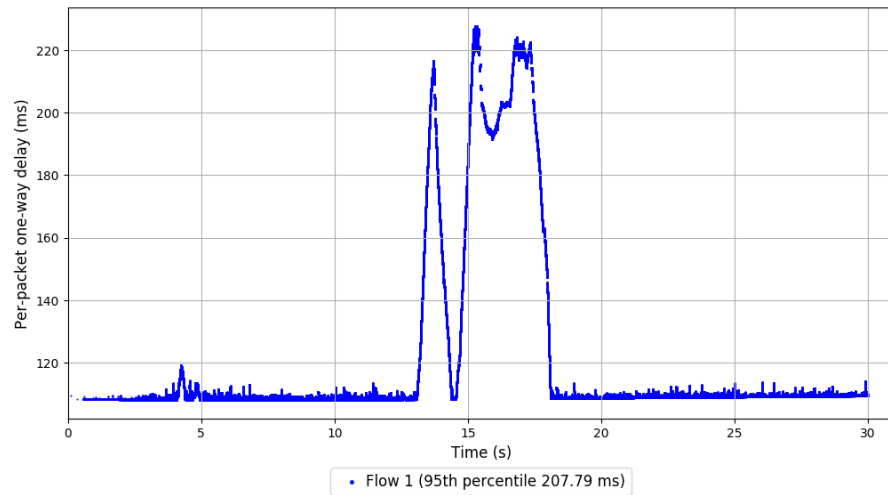
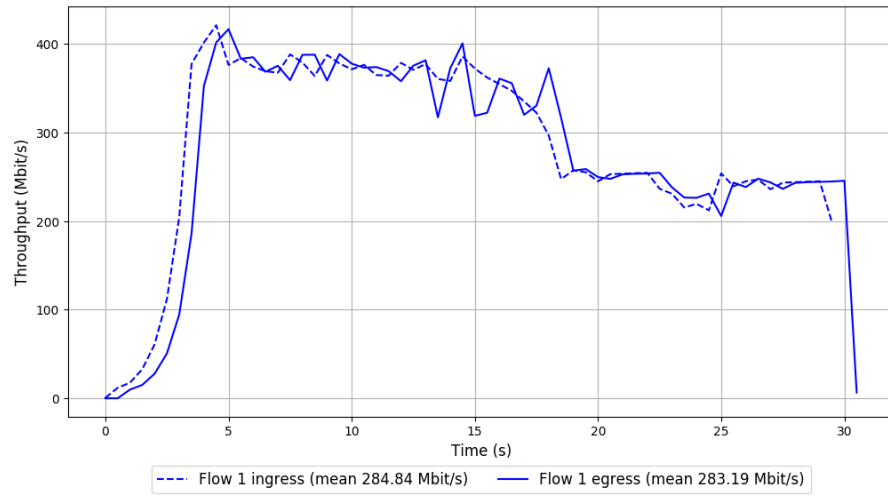


Run 2: Statistics of PCC-Expr

Start at: 2020-02-17 22:35:29
End at: 2020-02-17 22:35:59
Local clock offset: -0.134 ms
Remote clock offset: 41.266 ms

Below is generated by plot.py at 2020-02-18 02:36:03
Datalink statistics
-- Total of 1 flow:
Average throughput: 283.19 Mbit/s
95th percentile per-packet one-way delay: 207.792 ms
Loss rate: 0.58%
-- Flow 1:
Average throughput: 283.19 Mbit/s
95th percentile per-packet one-way delay: 207.792 ms
Loss rate: 0.58%

Run 2: Report of PCC-Expr — Data Link

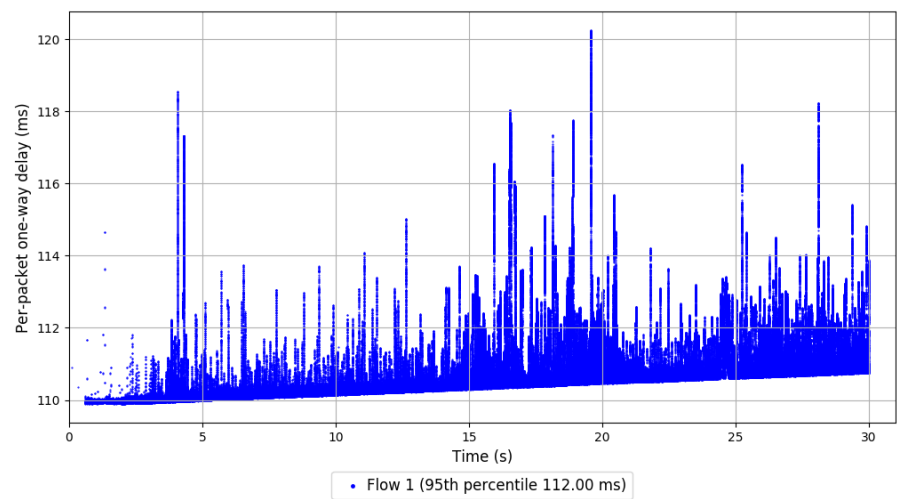
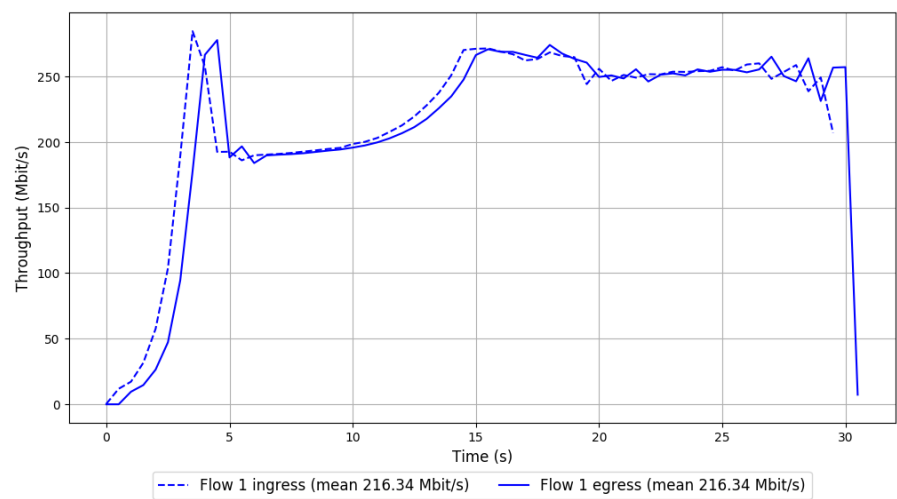


Run 3: Statistics of PCC-Expr

Start at: 2020-02-17 23:10:43
End at: 2020-02-17 23:11:13
Local clock offset: -0.691 ms
Remote clock offset: 19.609 ms

Below is generated by plot.py at 2020-02-18 02:36:03
Datalink statistics
-- Total of 1 flow:
Average throughput: 216.34 Mbit/s
95th percentile per-packet one-way delay: 112.005 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 216.34 Mbit/s
95th percentile per-packet one-way delay: 112.005 ms
Loss rate: 0.00%

Run 3: Report of PCC-Expr — Data Link



Run 4: Statistics of PCC-Expr

Start at: 2020-02-17 23:46:28

End at: 2020-02-17 23:46:58

Local clock offset: 0.38 ms

Remote clock offset: 7.754 ms

Below is generated by plot.py at 2020-02-18 02:40:55

Datalink statistics

-- Total of 1 flow:

Average throughput: 266.79 Mbit/s

95th percentile per-packet one-way delay: 189.317 ms

Loss rate: 0.18%

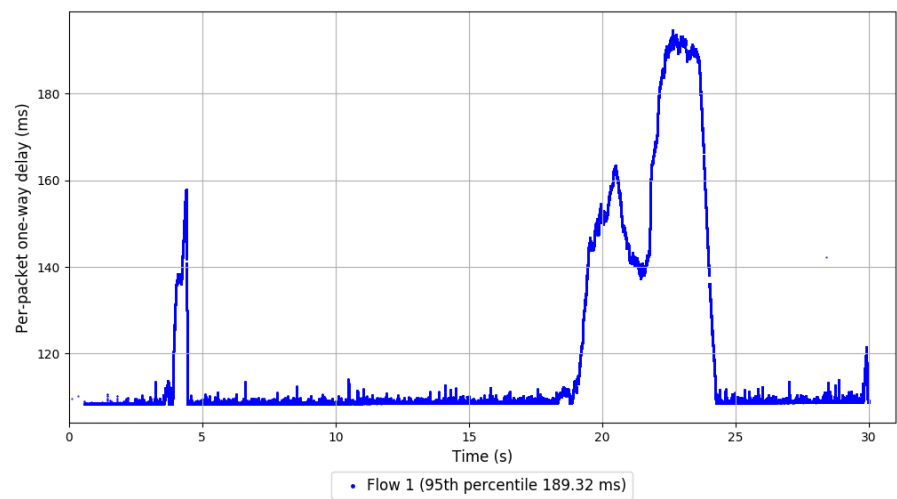
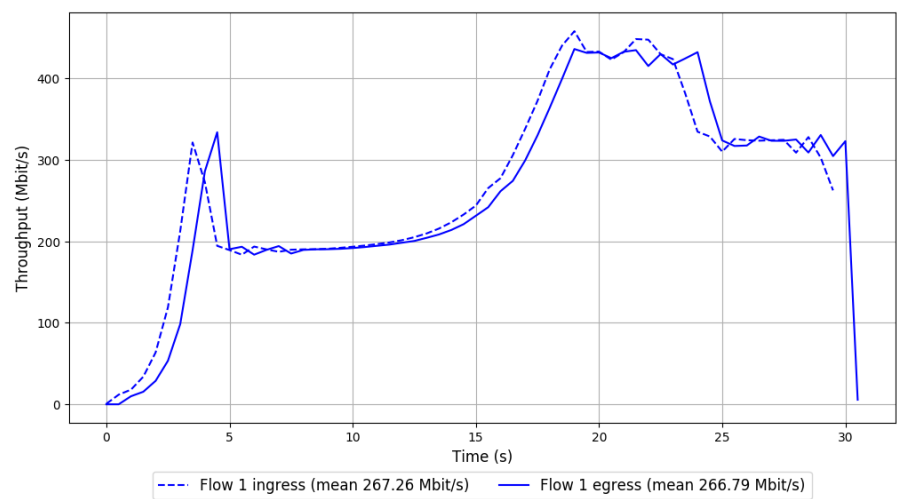
-- Flow 1:

Average throughput: 266.79 Mbit/s

95th percentile per-packet one-way delay: 189.317 ms

Loss rate: 0.18%

Run 4: Report of PCC-Expr — Data Link



Run 5: Statistics of PCC-Expr

Start at: 2020-02-18 00:22:03

End at: 2020-02-18 00:22:33

Local clock offset: 0.026 ms

Remote clock offset: 1.536 ms

Below is generated by plot.py at 2020-02-18 02:47:44

Datalink statistics

-- Total of 1 flow:

Average throughput: 329.60 Mbit/s

95th percentile per-packet one-way delay: 187.573 ms

Loss rate: 0.52%

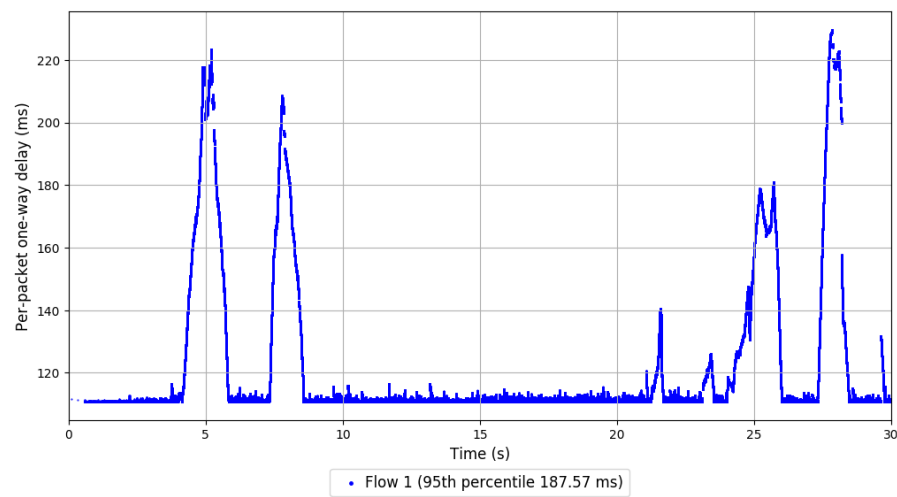
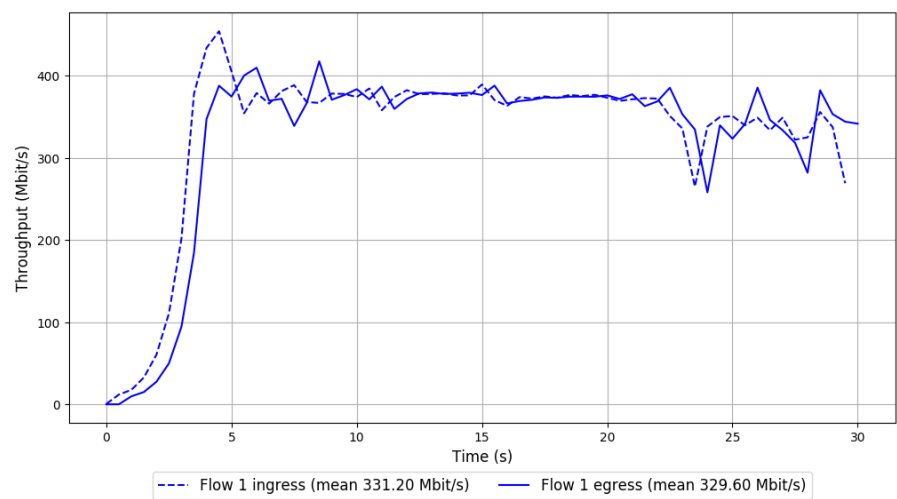
-- Flow 1:

Average throughput: 329.60 Mbit/s

95th percentile per-packet one-way delay: 187.573 ms

Loss rate: 0.52%

Run 5: Report of PCC-Expr — Data Link



Run 1: Statistics of QUIC Cubic

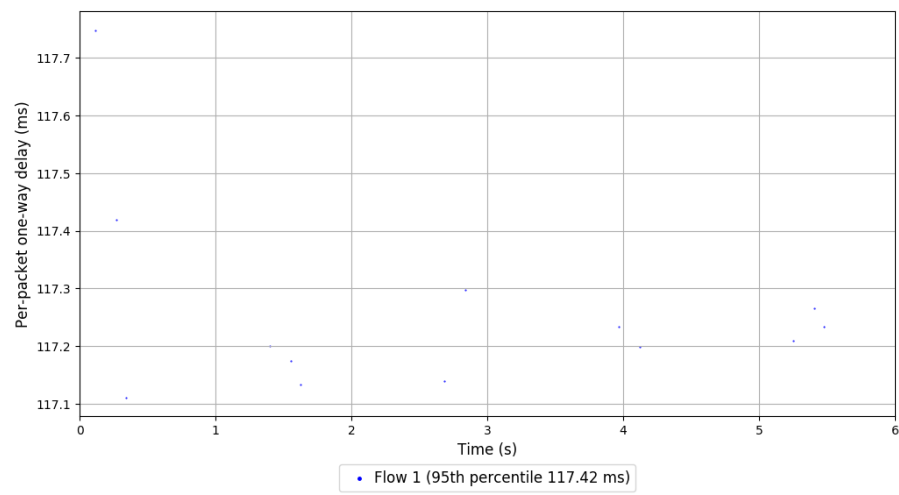
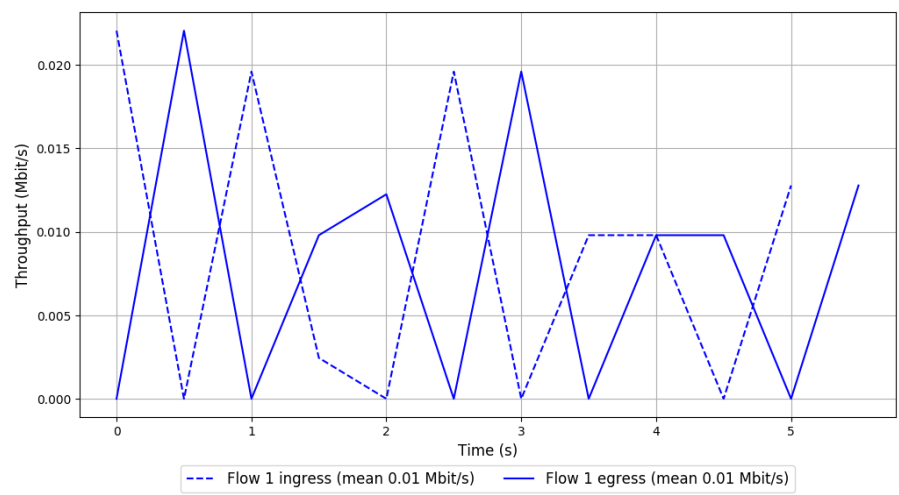
Start at: 2020-02-17 22:03:33

End at: 2020-02-17 22:04:03

Local clock offset: -1.246 ms

Remote clock offset: 24.783 ms

Run 1: Report of QUIC Cubic — Data Link



Run 2: Statistics of QUIC Cubic

Start at: 2020-02-17 22:39:28

End at: 2020-02-17 22:39:58

Local clock offset: -0.122 ms

Remote clock offset: 29.438 ms

Below is generated by plot.py at 2020-02-18 02:47:44

Datalink statistics

-- Total of 1 flow:

Average throughput: 61.36 Mbit/s

95th percentile per-packet one-way delay: 113.195 ms

Loss rate: 0.00%

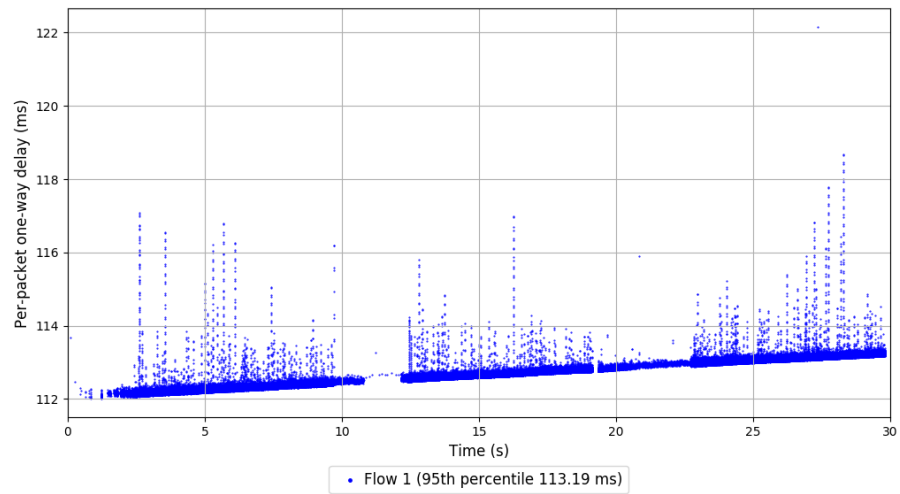
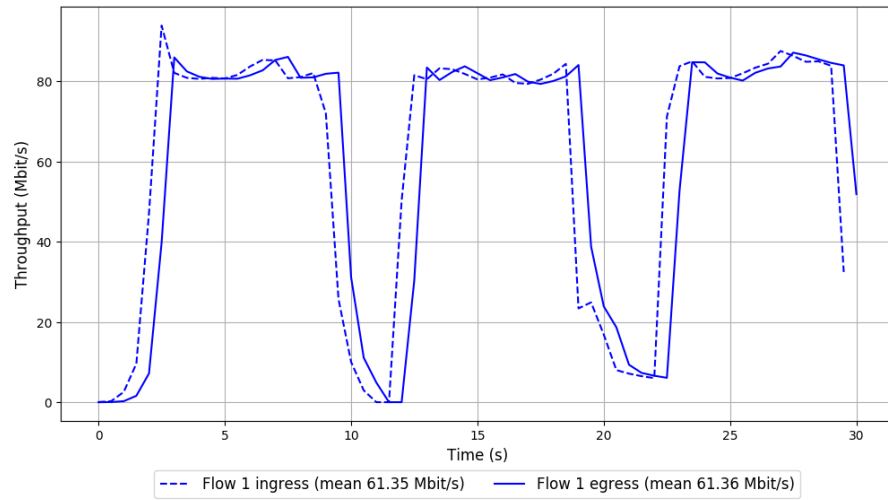
-- Flow 1:

Average throughput: 61.36 Mbit/s

95th percentile per-packet one-way delay: 113.195 ms

Loss rate: 0.00%

Run 2: Report of QUIC Cubic — Data Link



Run 3: Statistics of QUIC Cubic

Start at: 2020-02-17 23:14:35

End at: 2020-02-17 23:15:05

Local clock offset: 0.222 ms

Remote clock offset: 13.582 ms

Below is generated by plot.py at 2020-02-18 02:47:44

Datalink statistics

-- Total of 1 flow:

Average throughput: 56.30 Mbit/s

95th percentile per-packet one-way delay: 112.244 ms

Loss rate: 0.01%

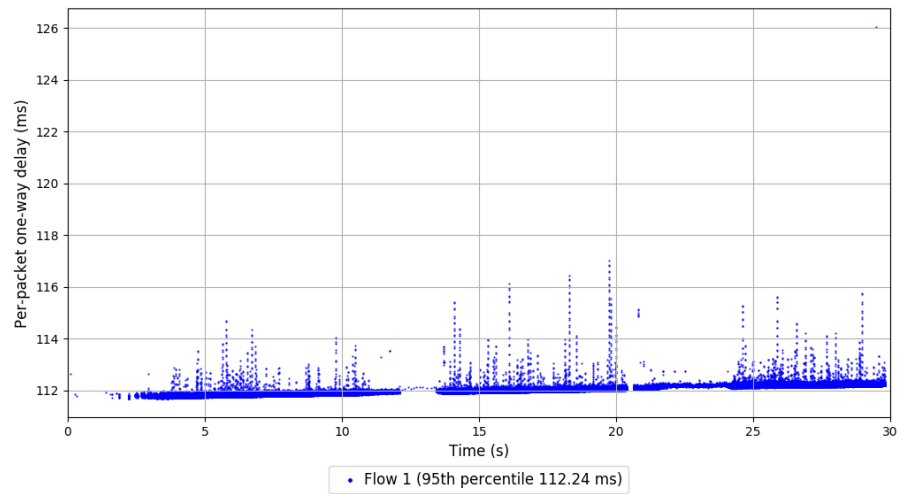
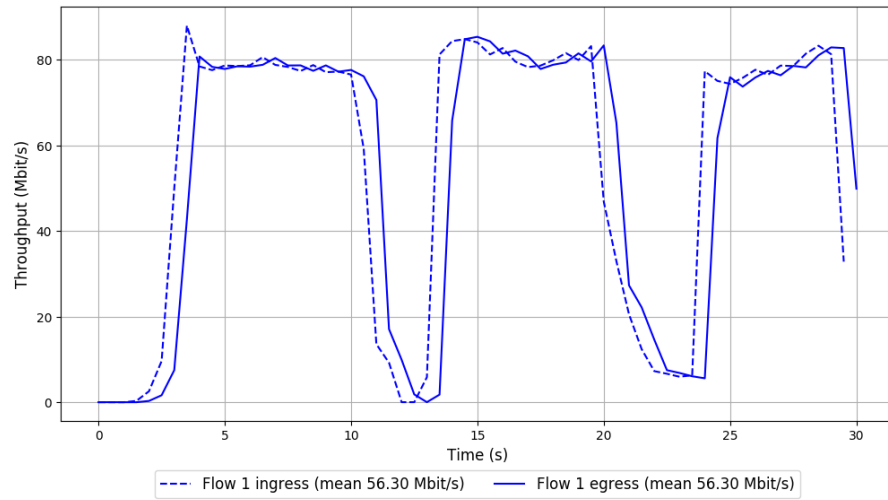
-- Flow 1:

Average throughput: 56.30 Mbit/s

95th percentile per-packet one-way delay: 112.244 ms

Loss rate: 0.01%

Run 3: Report of QUIC Cubic — Data Link



Run 4: Statistics of QUIC Cubic

Start at: 2020-02-17 23:50:25

End at: 2020-02-17 23:50:55

Local clock offset: -0.225 ms

Remote clock offset: 5.105 ms

Below is generated by plot.py at 2020-02-18 02:47:44

Datalink statistics

-- Total of 1 flow:

Average throughput: 57.75 Mbit/s

95th percentile per-packet one-way delay: 111.500 ms

Loss rate: 0.01%

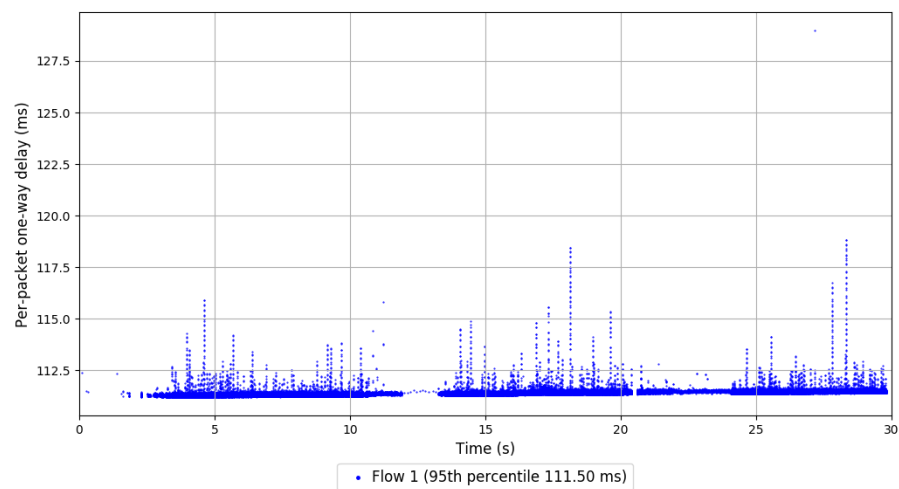
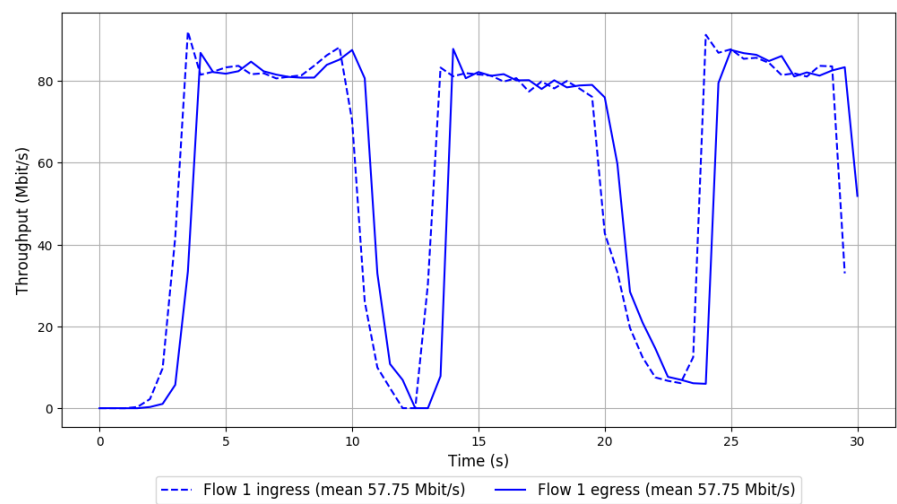
-- Flow 1:

Average throughput: 57.75 Mbit/s

95th percentile per-packet one-way delay: 111.500 ms

Loss rate: 0.01%

Run 4: Report of QUIC Cubic — Data Link



Run 5: Statistics of QUIC Cubic

Start at: 2020-02-18 00:26:07

End at: 2020-02-18 00:26:37

Local clock offset: -0.762 ms

Remote clock offset: 1.05 ms

Below is generated by plot.py at 2020-02-18 02:47:44

Datalink statistics

-- Total of 1 flow:

Average throughput: 50.82 Mbit/s

95th percentile per-packet one-way delay: 109.628 ms

Loss rate: 0.00%

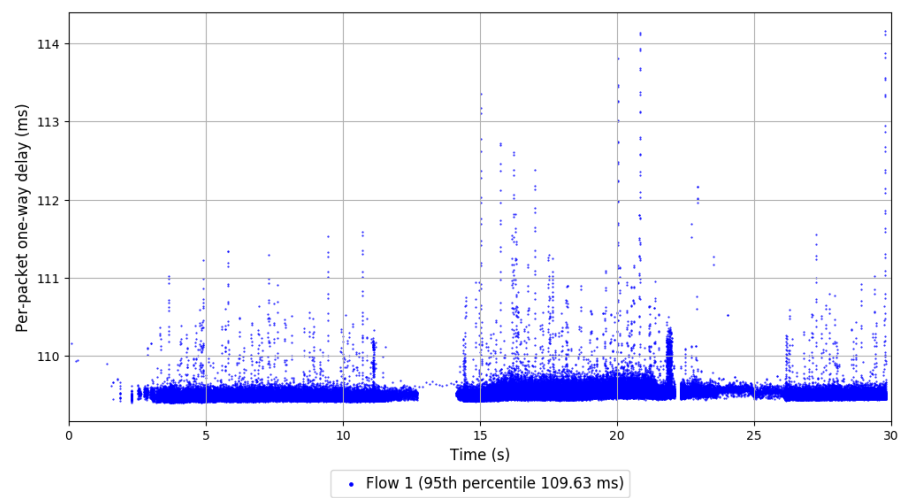
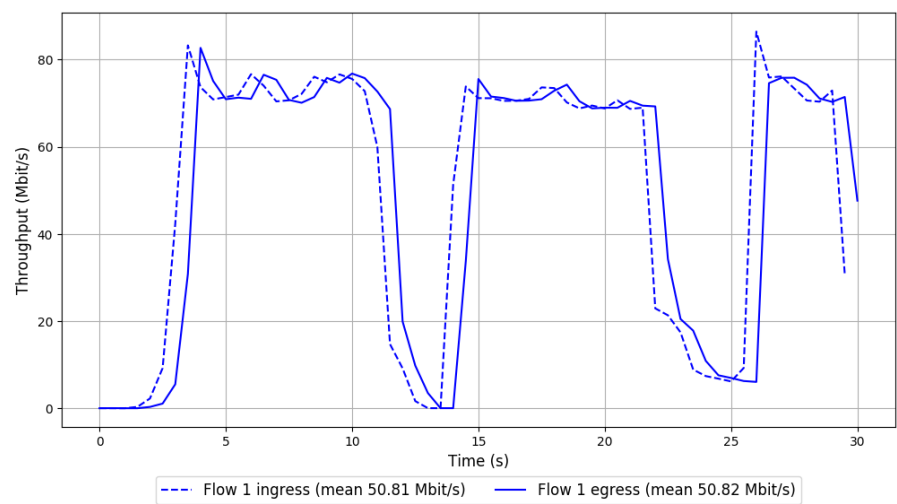
-- Flow 1:

Average throughput: 50.82 Mbit/s

95th percentile per-packet one-way delay: 109.628 ms

Loss rate: 0.00%

Run 5: Report of QUIC Cubic — Data Link

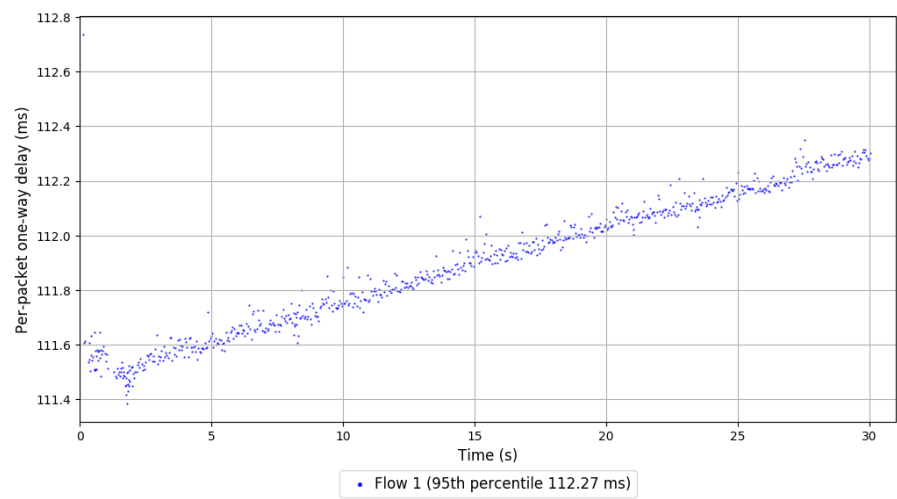
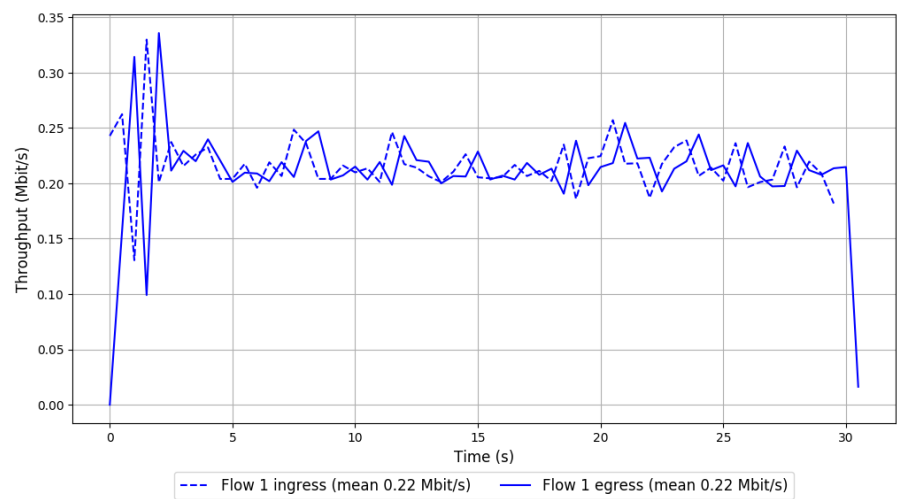


Run 1: Statistics of SCReAM

Start at: 2020-02-17 22:02:23
End at: 2020-02-17 22:02:53
Local clock offset: 0.153 ms
Remote clock offset: 26.294 ms

Below is generated by plot.py at 2020-02-18 02:47:44
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 112.268 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 112.268 ms
Loss rate: 0.00%

Run 1: Report of SReAM — Data Link

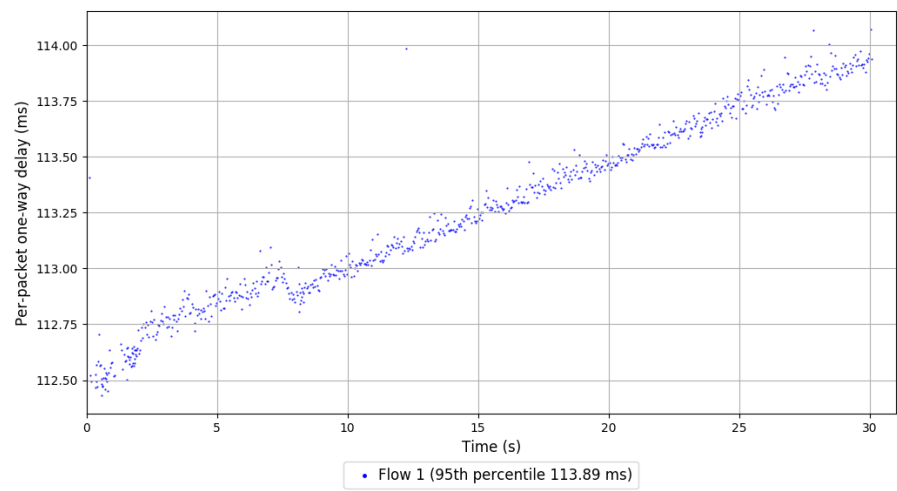
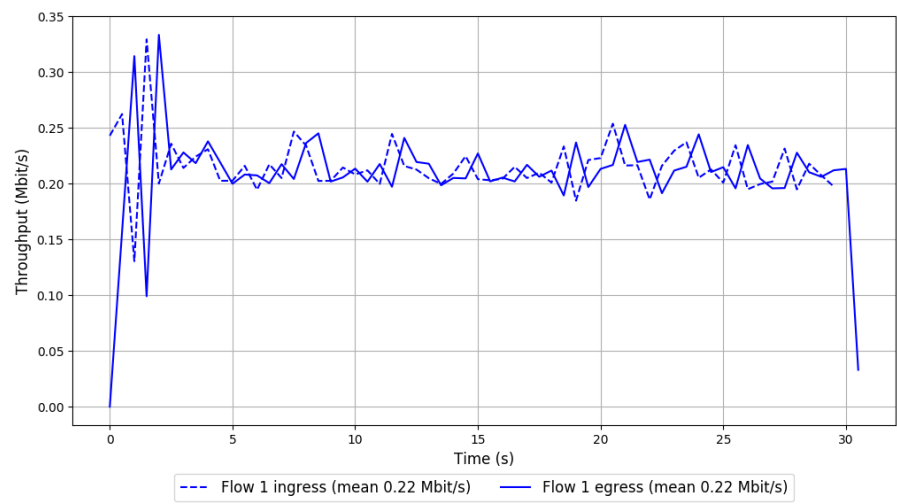


Run 2: Statistics of SCReAM

Start at: 2020-02-17 22:38:18
End at: 2020-02-17 22:38:48
Local clock offset: 0.682 ms
Remote clock offset: 32.293 ms

Below is generated by plot.py at 2020-02-18 02:47:44
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 113.886 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 113.886 ms
Loss rate: 0.00%

Run 2: Report of SReAM — Data Link

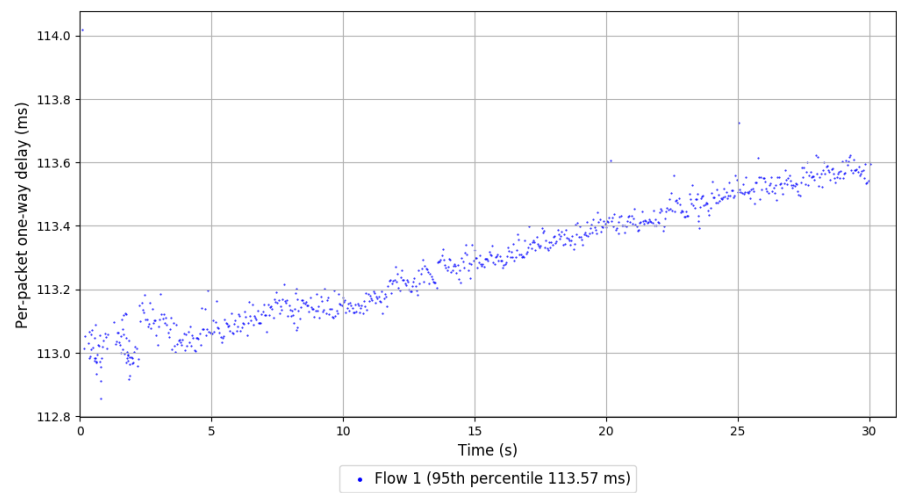
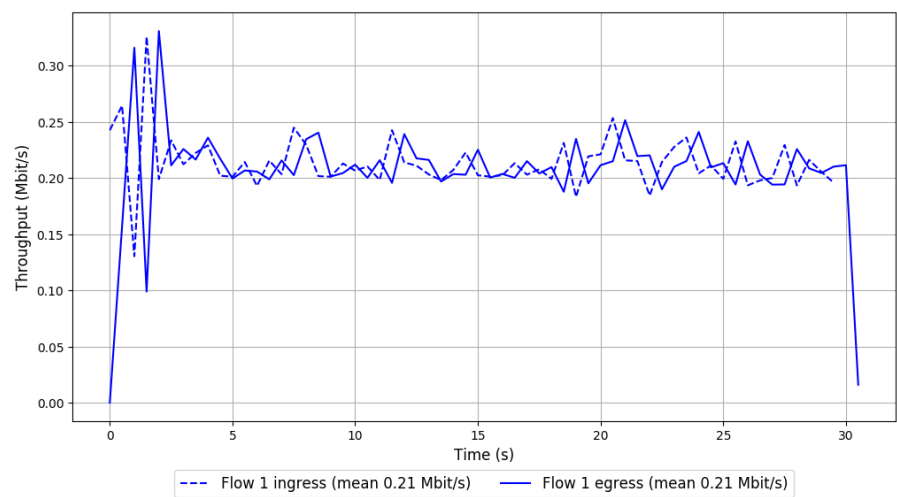


Run 3: Statistics of SCReAM

Start at: 2020-02-17 23:13:25
End at: 2020-02-17 23:13:55
Local clock offset: 0.081 ms
Remote clock offset: 15.046 ms

Below is generated by plot.py at 2020-02-18 02:47:44
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 113.569 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 113.569 ms
Loss rate: 0.13%

Run 3: Report of SReAM — Data Link



Run 4: Statistics of SCReAM

Start at: 2020-02-17 23:49:15

End at: 2020-02-17 23:49:45

Local clock offset: 0.26 ms

Remote clock offset: 5.814 ms

Below is generated by plot.py at 2020-02-18 02:47:44

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 112.254 ms

Loss rate: 0.13%

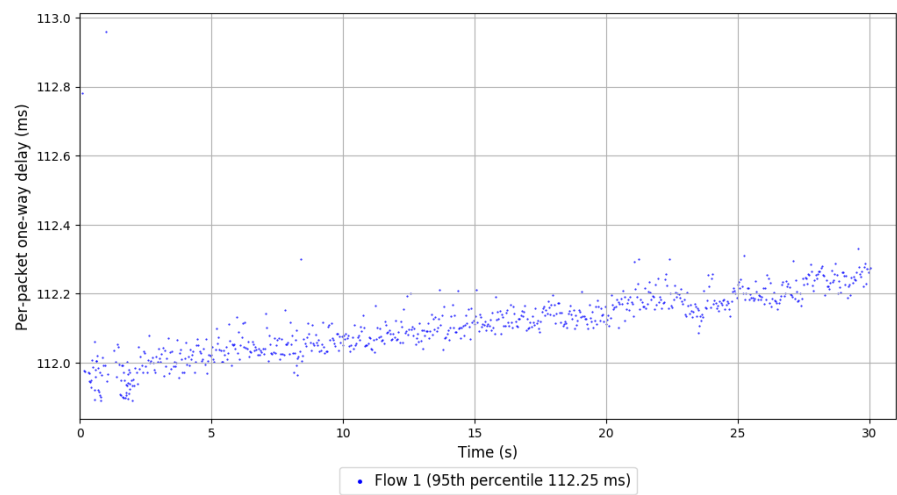
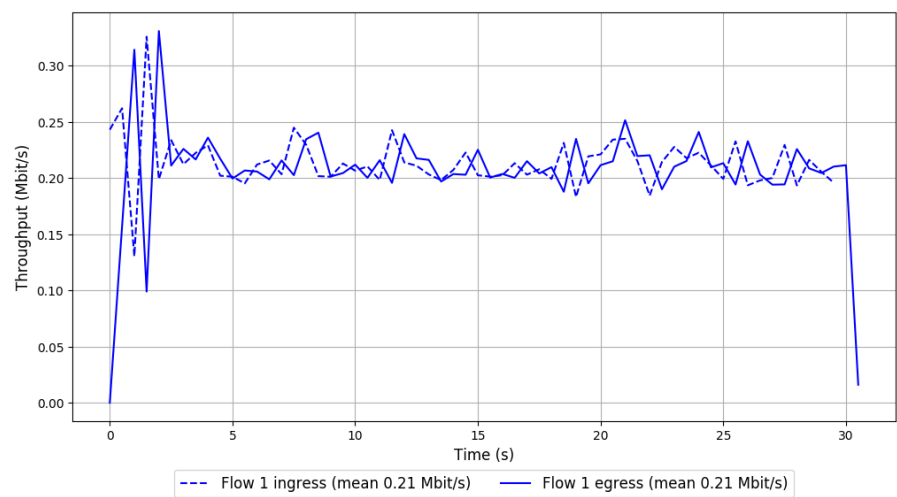
-- Flow 1:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 112.254 ms

Loss rate: 0.13%

Run 4: Report of SReAM — Data Link



Run 5: Statistics of SCReAM

Start at: 2020-02-18 00:24:57

End at: 2020-02-18 00:25:27

Local clock offset: 0.009 ms

Remote clock offset: 1.167 ms

Below is generated by plot.py at 2020-02-18 02:47:44

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.11 Mbit/s

95th percentile per-packet one-way delay: 111.548 ms

Loss rate: 0.00%

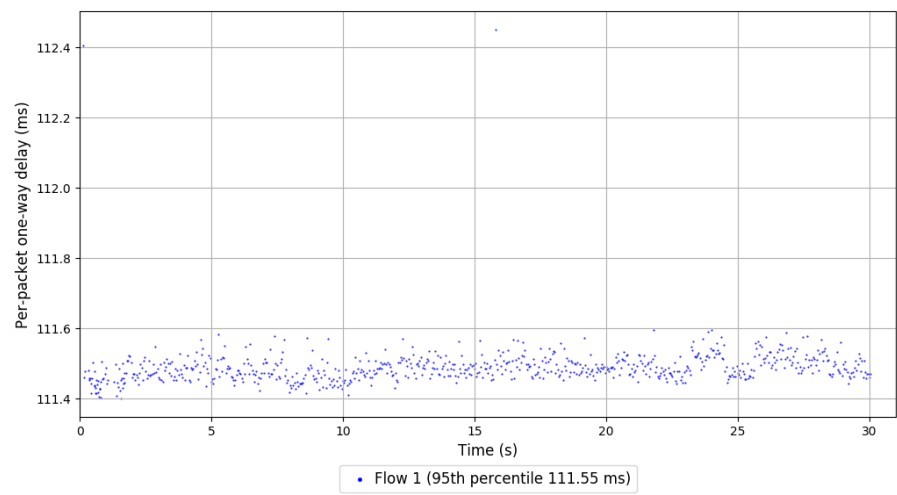
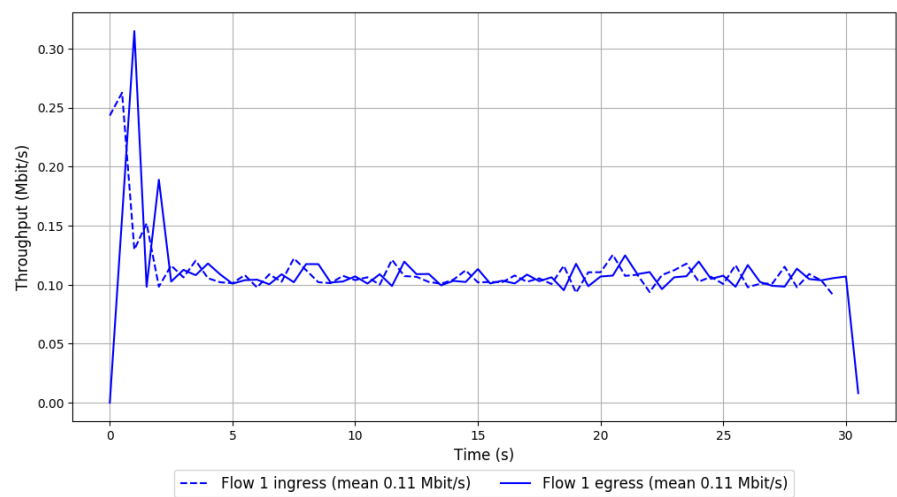
-- Flow 1:

Average throughput: 0.11 Mbit/s

95th percentile per-packet one-way delay: 111.548 ms

Loss rate: 0.00%

Run 5: Report of SReAM — Data Link

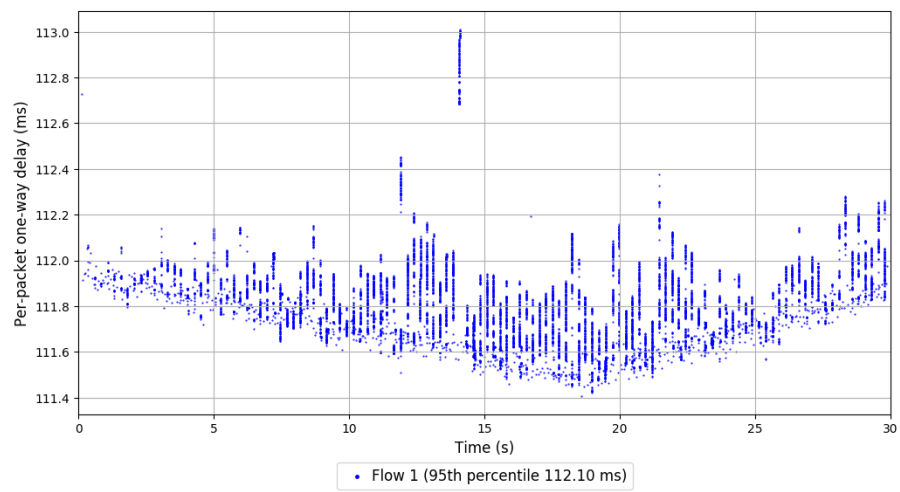
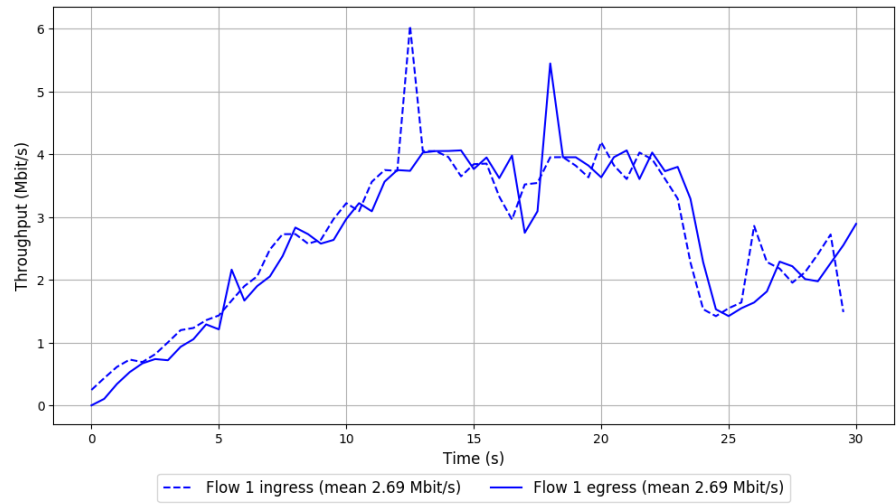


Run 1: Statistics of Sprout

Start at: 2020-02-17 22:01:13
End at: 2020-02-17 22:01:43
Local clock offset: -0.016 ms
Remote clock offset: 27.106 ms

Below is generated by plot.py at 2020-02-18 02:47:44
Datalink statistics
-- Total of 1 flow:
Average throughput: 2.69 Mbit/s
95th percentile per-packet one-way delay: 112.101 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.69 Mbit/s
95th percentile per-packet one-way delay: 112.101 ms
Loss rate: 0.00%

Run 1: Report of Sprout — Data Link

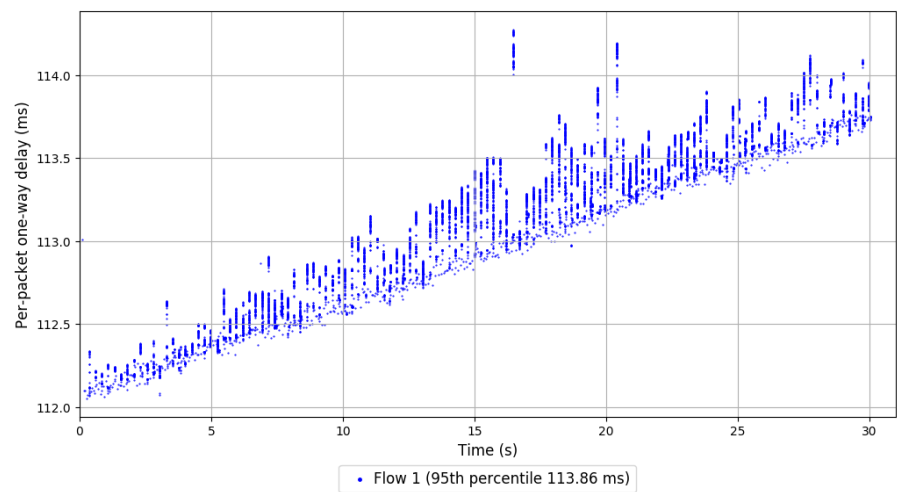
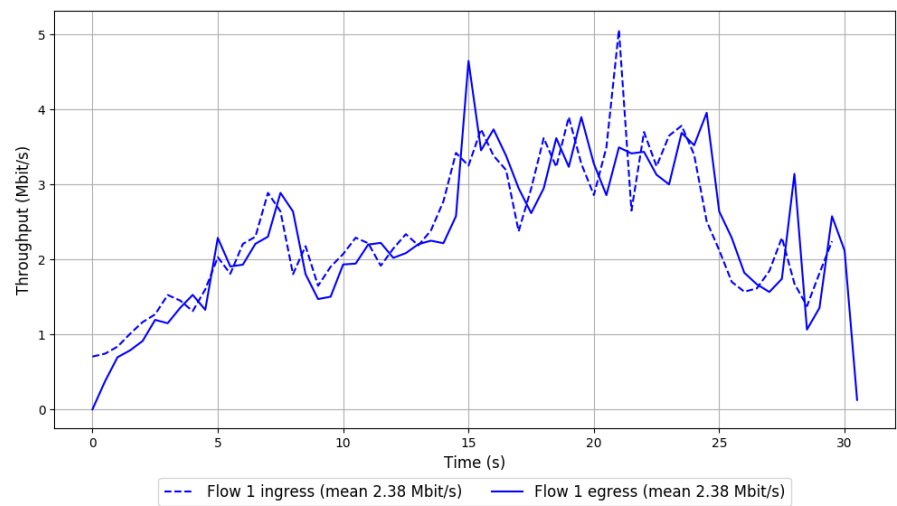


Run 2: Statistics of Sprout

Start at: 2020-02-17 22:37:07
End at: 2020-02-17 22:37:37
Local clock offset: -0.079 ms
Remote clock offset: 35.884 ms

Below is generated by plot.py at 2020-02-18 02:47:44
Datalink statistics
-- Total of 1 flow:
Average throughput: 2.38 Mbit/s
95th percentile per-packet one-way delay: 113.863 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.38 Mbit/s
95th percentile per-packet one-way delay: 113.863 ms
Loss rate: 0.00%

Run 2: Report of Sprout — Data Link

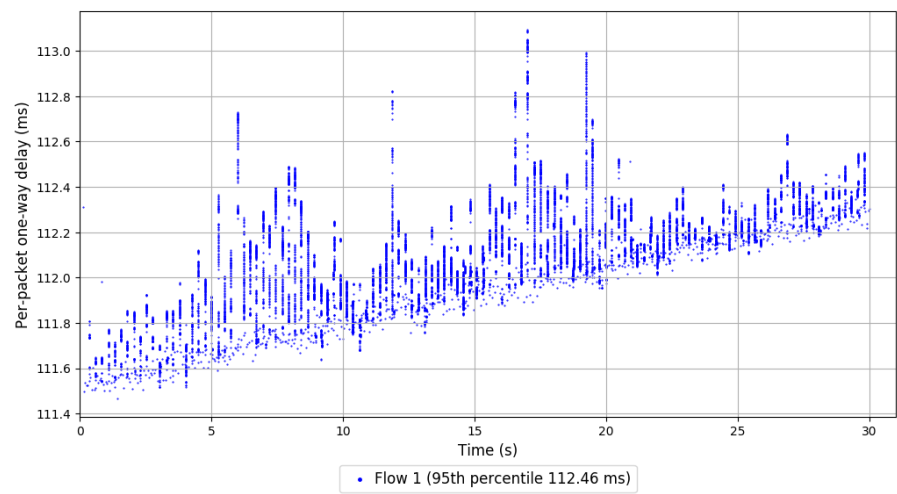
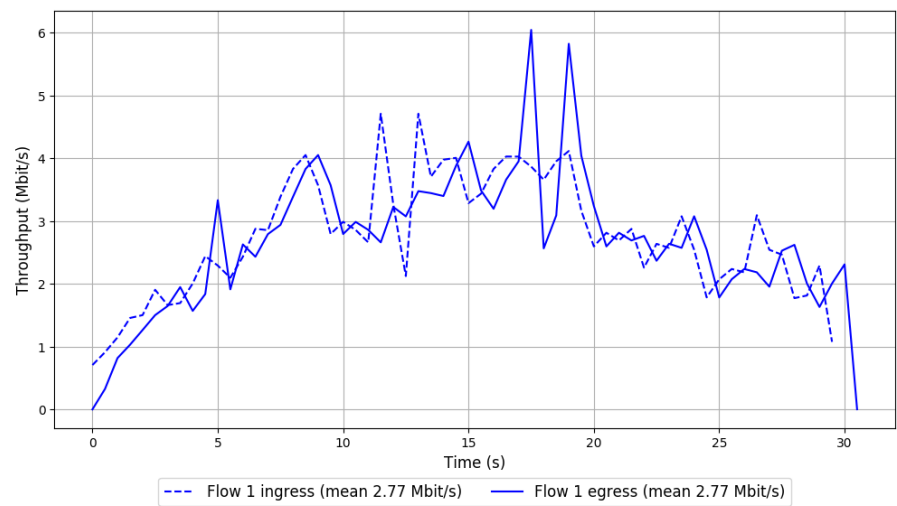


Run 3: Statistics of Sprout

Start at: 2020-02-17 23:12:15
End at: 2020-02-17 23:12:45
Local clock offset: -0.015 ms
Remote clock offset: 16.543 ms

Below is generated by plot.py at 2020-02-18 02:47:44
Datalink statistics
-- Total of 1 flow:
Average throughput: 2.77 Mbit/s
95th percentile per-packet one-way delay: 112.464 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.77 Mbit/s
95th percentile per-packet one-way delay: 112.464 ms
Loss rate: 0.00%

Run 3: Report of Sprout — Data Link



Run 4: Statistics of Sprout

Start at: 2020-02-17 23:48:05

End at: 2020-02-17 23:48:35

Local clock offset: -0.55 ms

Remote clock offset: 6.511 ms

Below is generated by plot.py at 2020-02-18 02:47:44

Datalink statistics

-- Total of 1 flow:

Average throughput: 3.39 Mbit/s

95th percentile per-packet one-way delay: 110.933 ms

Loss rate: 0.00%

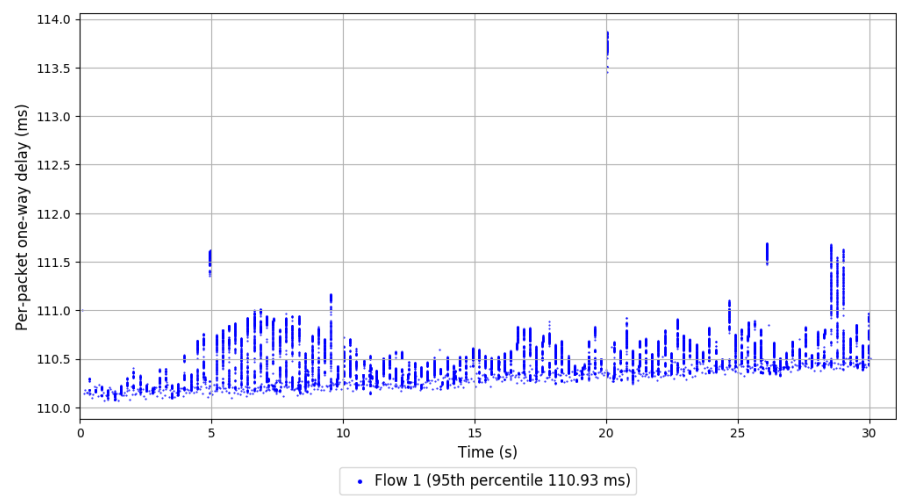
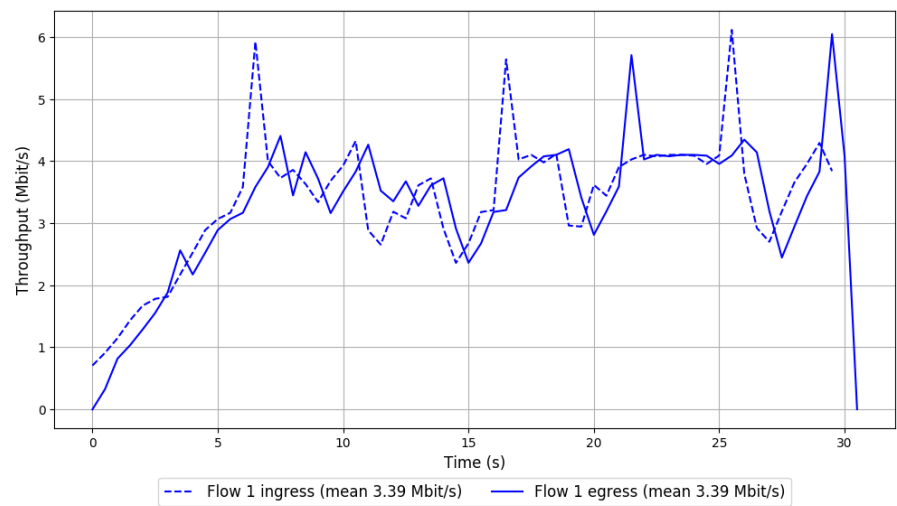
-- Flow 1:

Average throughput: 3.39 Mbit/s

95th percentile per-packet one-way delay: 110.933 ms

Loss rate: 0.00%

Run 4: Report of Sprout — Data Link



Run 5: Statistics of Sprout

Start at: 2020-02-18 00:23:47

End at: 2020-02-18 00:24:17

Local clock offset: -0.13 ms

Remote clock offset: 1.323 ms

Below is generated by plot.py at 2020-02-18 02:47:44

Datalink statistics

-- Total of 1 flow:

Average throughput: 1.43 Mbit/s

95th percentile per-packet one-way delay: 114.585 ms

Loss rate: 0.00%

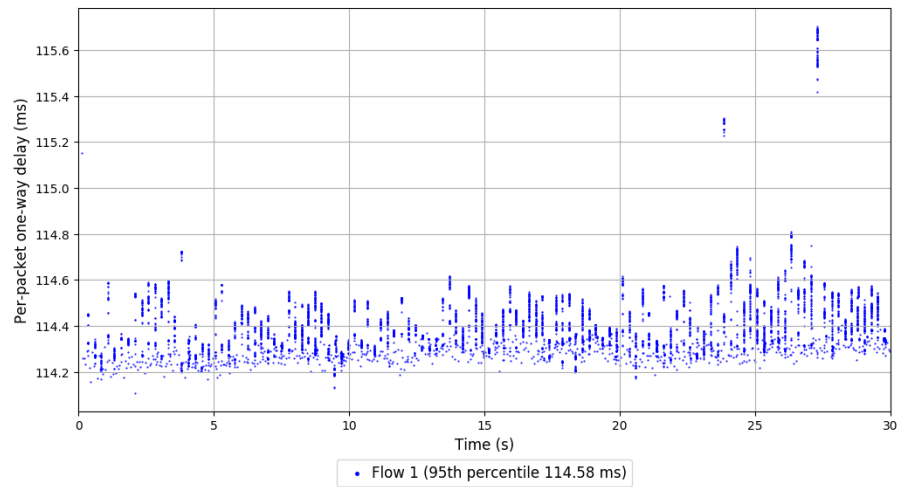
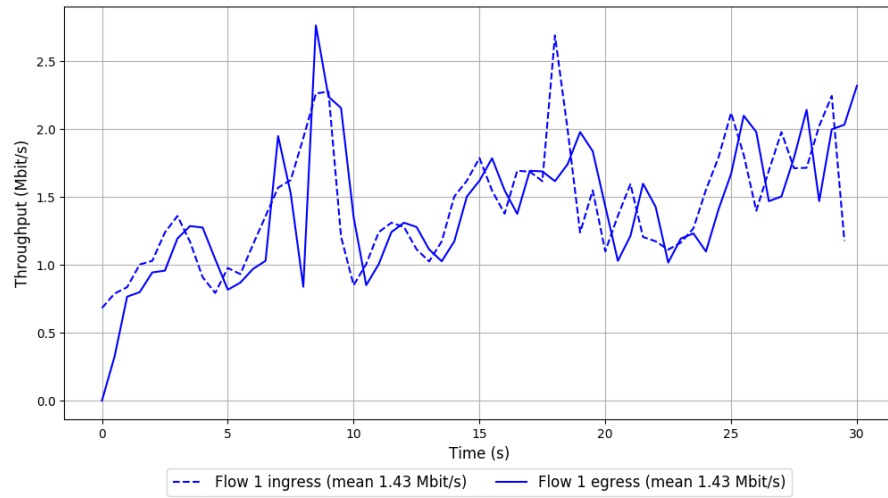
-- Flow 1:

Average throughput: 1.43 Mbit/s

95th percentile per-packet one-way delay: 114.585 ms

Loss rate: 0.00%

Run 5: Report of Sprout — Data Link



Run 1: Statistics of TaoVA-100x

Start at: 2020-02-17 21:29:25

End at: 2020-02-17 21:29:55

Local clock offset: -0.03 ms

Remote clock offset: 4.327 ms

Below is generated by plot.py at 2020-02-18 02:47:44

Datalink statistics

-- Total of 1 flow:

Average throughput: 192.93 Mbit/s

95th percentile per-packet one-way delay: 114.900 ms

Loss rate: 0.03%

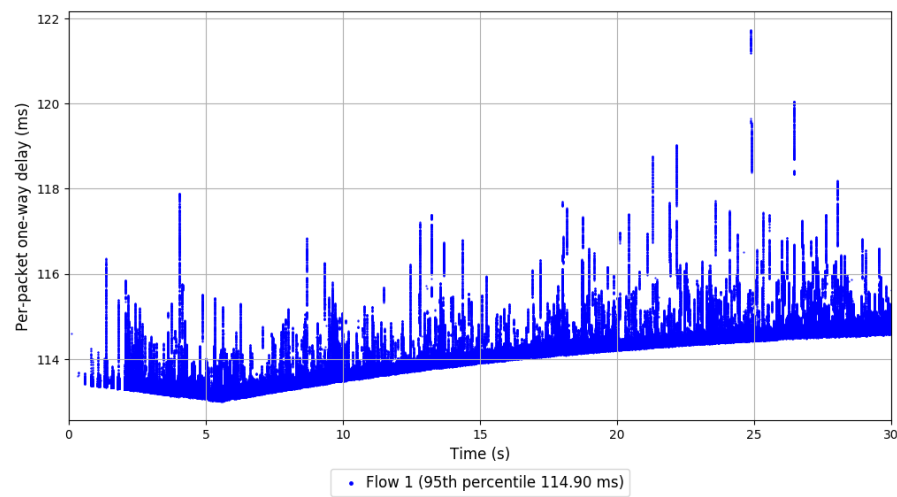
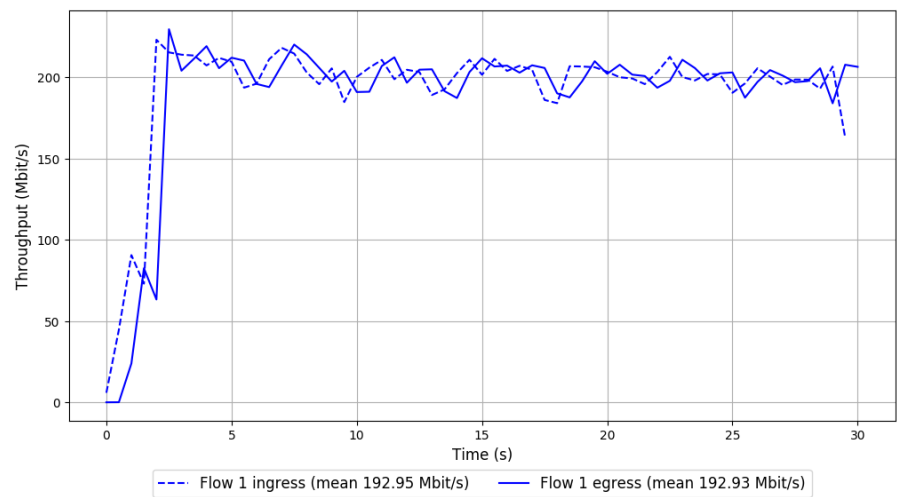
-- Flow 1:

Average throughput: 192.93 Mbit/s

95th percentile per-packet one-way delay: 114.900 ms

Loss rate: 0.03%

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



Run 2: Statistics of TaoVA-100x

Start at: 2020-02-17 22:04:43

End at: 2020-02-17 22:05:13

Local clock offset: -0.061 ms

Remote clock offset: 22.974 ms

Below is generated by plot.py at 2020-02-18 02:47:44

Datalink statistics

-- Total of 1 flow:

Average throughput: 196.44 Mbit/s

95th percentile per-packet one-way delay: 110.411 ms

Loss rate: 0.00%

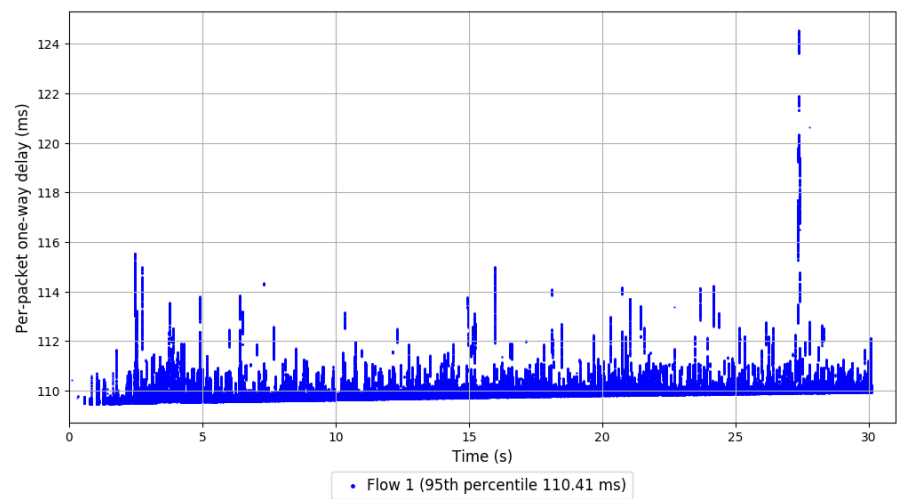
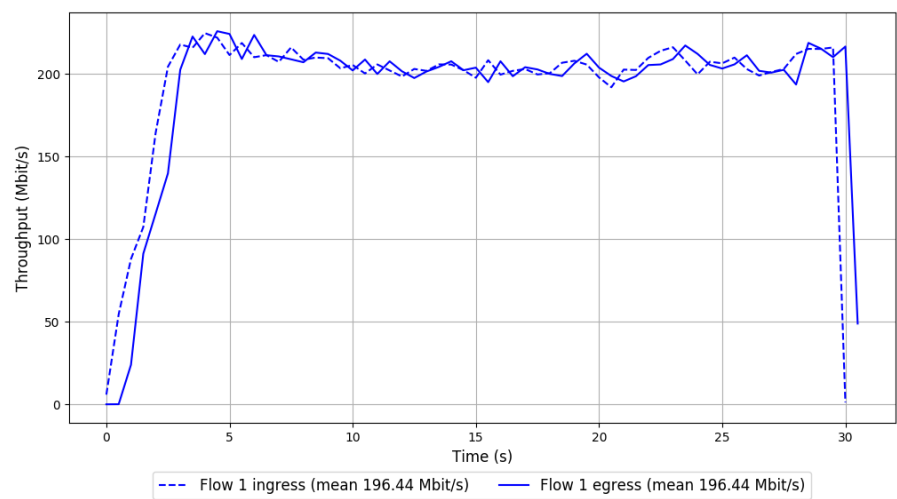
-- Flow 1:

Average throughput: 196.44 Mbit/s

95th percentile per-packet one-way delay: 110.411 ms

Loss rate: 0.00%

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

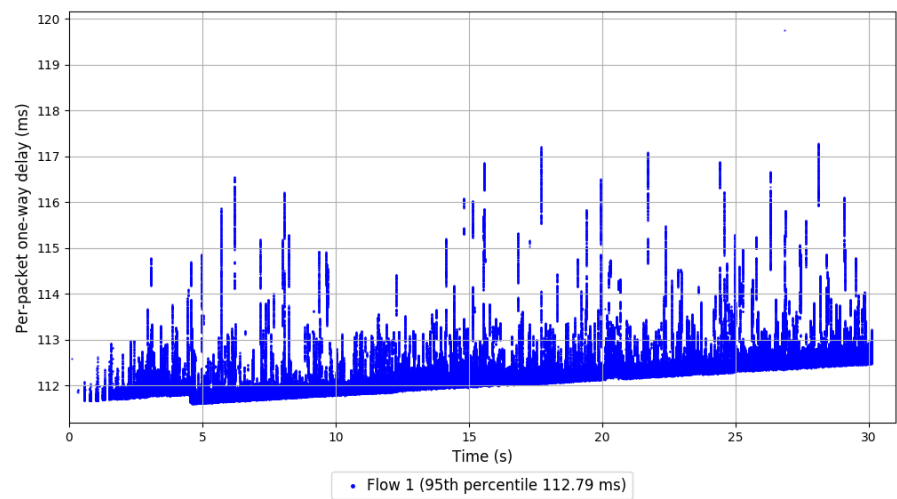
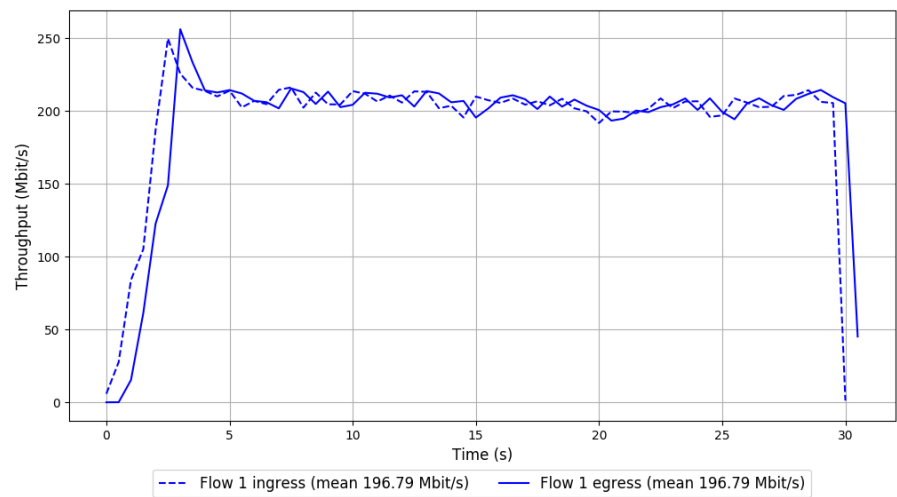


Run 3: Statistics of TaoVA-100x

Start at: 2020-02-17 22:40:42
End at: 2020-02-17 22:41:12
Local clock offset: -0.078 ms
Remote clock offset: 26.127 ms

Below is generated by plot.py at 2020-02-18 02:47:44
Datalink statistics
-- Total of 1 flow:
Average throughput: 196.79 Mbit/s
95th percentile per-packet one-way delay: 112.793 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 196.79 Mbit/s
95th percentile per-packet one-way delay: 112.793 ms
Loss rate: 0.00%

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



Run 4: Statistics of TaoVA-100x

Start at: 2020-02-17 23:15:49

End at: 2020-02-17 23:16:19

Local clock offset: 0.535 ms

Remote clock offset: 12.186 ms

Below is generated by plot.py at 2020-02-18 02:47:44

Datalink statistics

-- Total of 1 flow:

Average throughput: 191.28 Mbit/s

95th percentile per-packet one-way delay: 108.897 ms

Loss rate: 0.00%

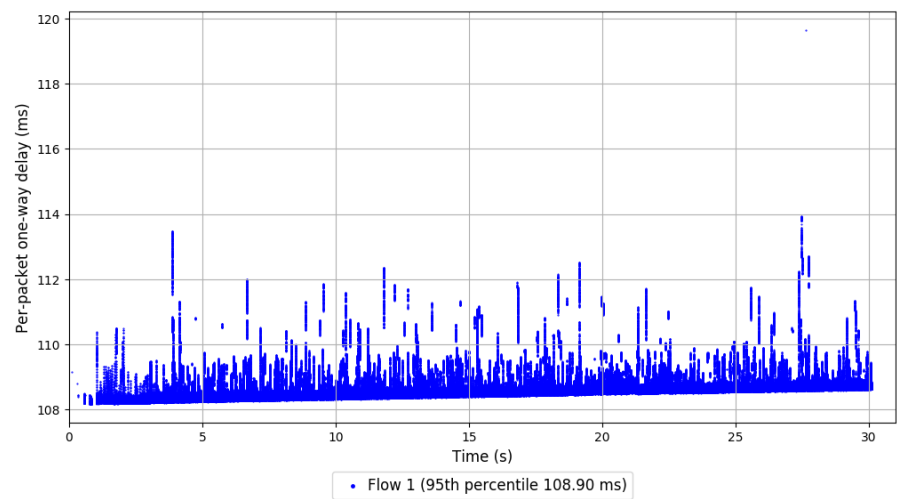
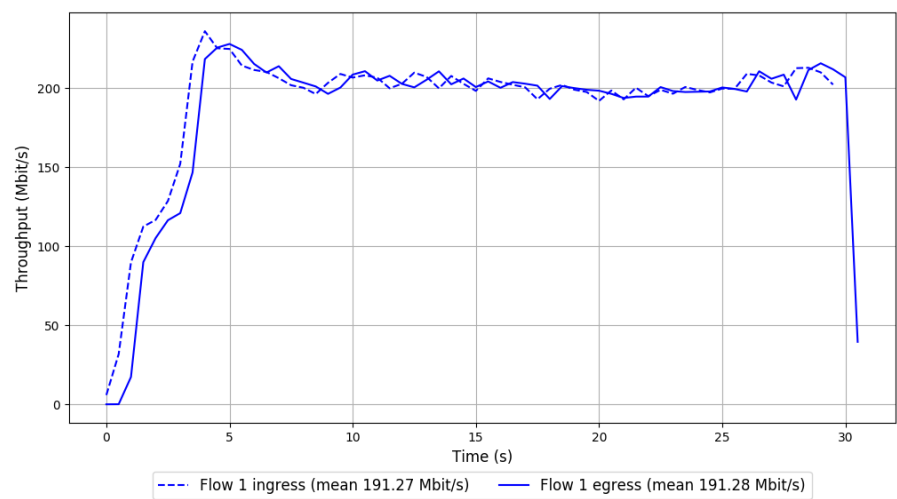
-- Flow 1:

Average throughput: 191.28 Mbit/s

95th percentile per-packet one-way delay: 108.897 ms

Loss rate: 0.00%

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



Run 5: Statistics of TaoVA-100x

Start at: 2020-02-17 23:51:39

End at: 2020-02-17 23:52:09

Local clock offset: 0.079 ms

Remote clock offset: 4.238 ms

Below is generated by plot.py at 2020-02-18 02:47:44

Datalink statistics

-- Total of 1 flow:

Average throughput: 15.53 Mbit/s

95th percentile per-packet one-way delay: 109.164 ms

Loss rate: 0.00%

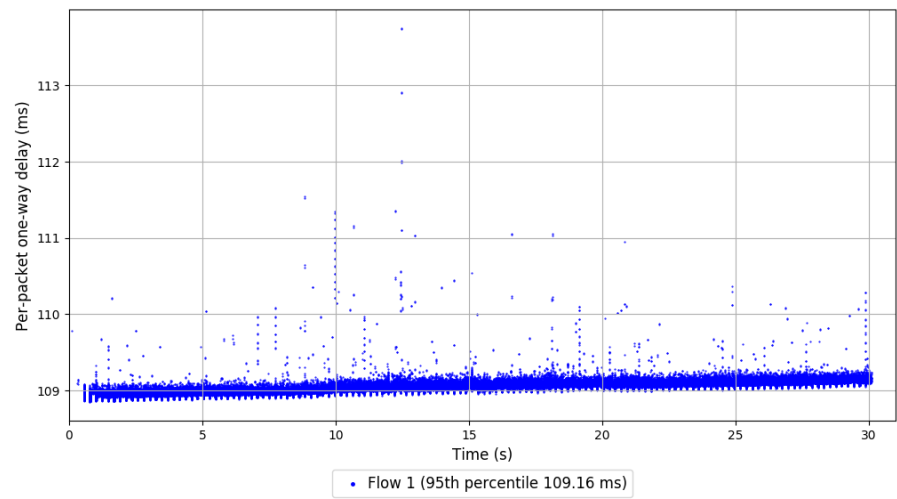
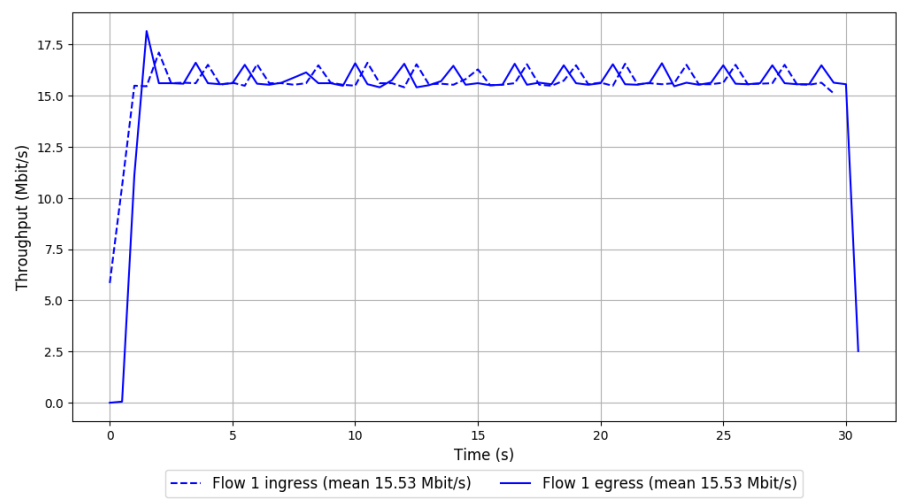
-- Flow 1:

Average throughput: 15.53 Mbit/s

95th percentile per-packet one-way delay: 109.164 ms

Loss rate: 0.00%

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

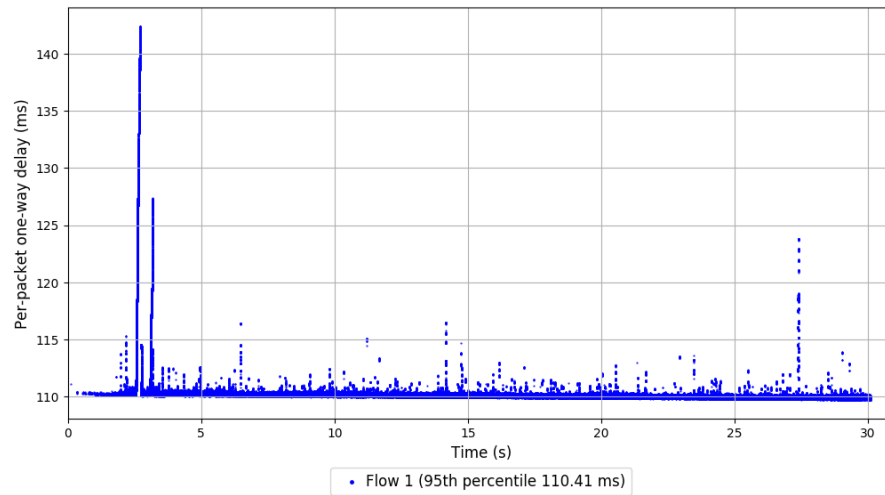
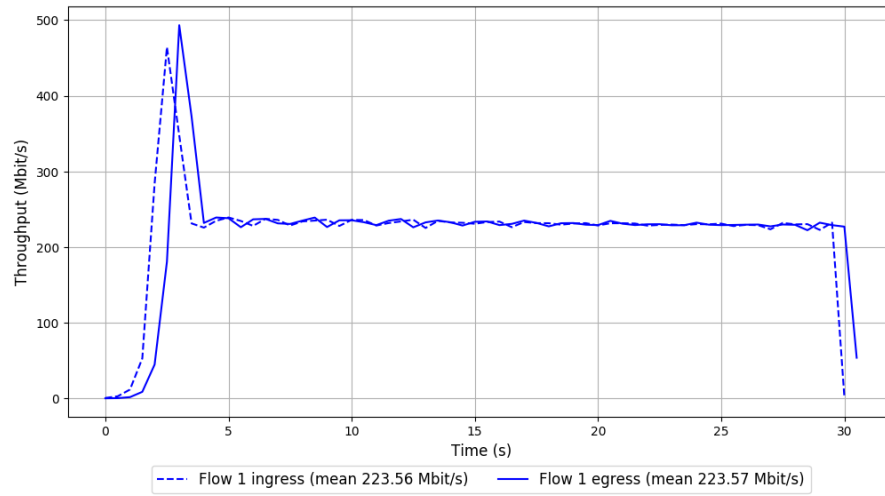


Run 1: Statistics of TCP Vegas

Start at: 2020-02-17 21:51:22
End at: 2020-02-17 21:51:52
Local clock offset: -1.4 ms
Remote clock offset: 14.487 ms

Below is generated by plot.py at 2020-02-18 02:47:44
Datalink statistics
-- Total of 1 flow:
Average throughput: 223.57 Mbit/s
95th percentile per-packet one-way delay: 110.408 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 223.57 Mbit/s
95th percentile per-packet one-way delay: 110.408 ms
Loss rate: 0.00%

Run 1: Report of TCP Vegas — Data Link

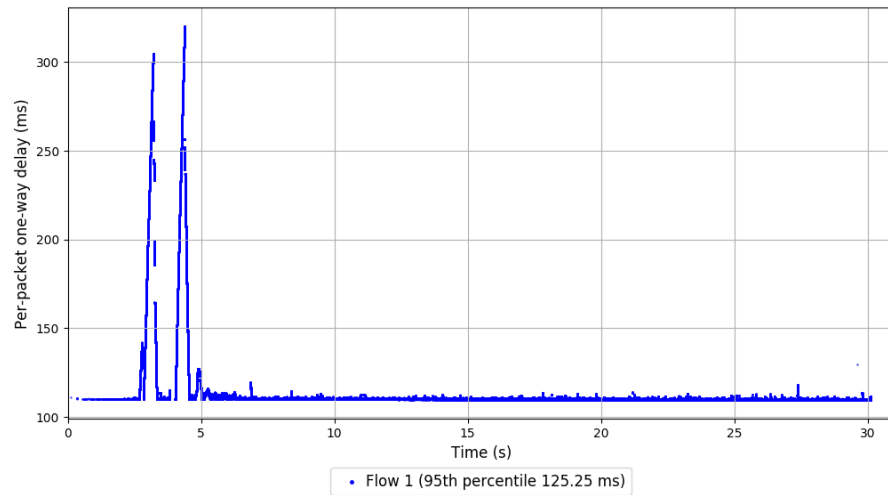
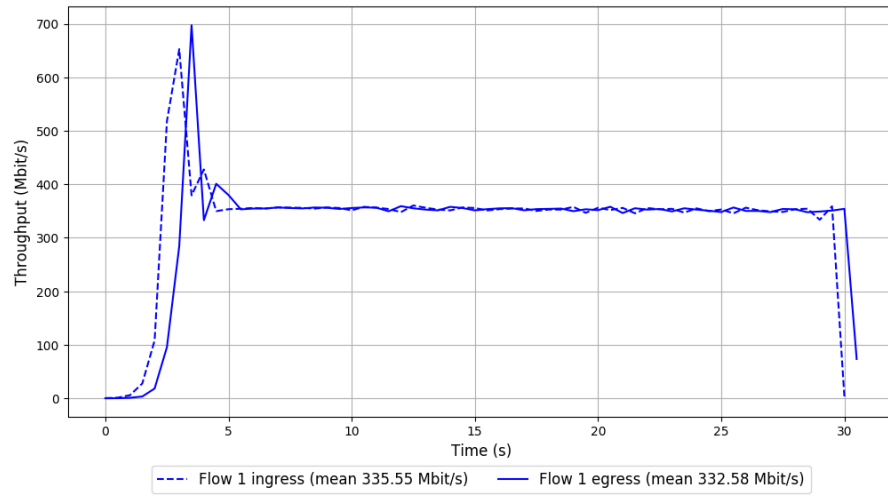


Run 2: Statistics of TCP Vegas

Start at: 2020-02-17 22:27:17
End at: 2020-02-17 22:27:47
Local clock offset: -0.378 ms
Remote clock offset: 31.753 ms

Below is generated by plot.py at 2020-02-18 02:47:44
Datalink statistics
-- Total of 1 flow:
Average throughput: 332.58 Mbit/s
95th percentile per-packet one-way delay: 125.254 ms
Loss rate: 0.89%
-- Flow 1:
Average throughput: 332.58 Mbit/s
95th percentile per-packet one-way delay: 125.254 ms
Loss rate: 0.89%

Run 2: Report of TCP Vegas — Data Link

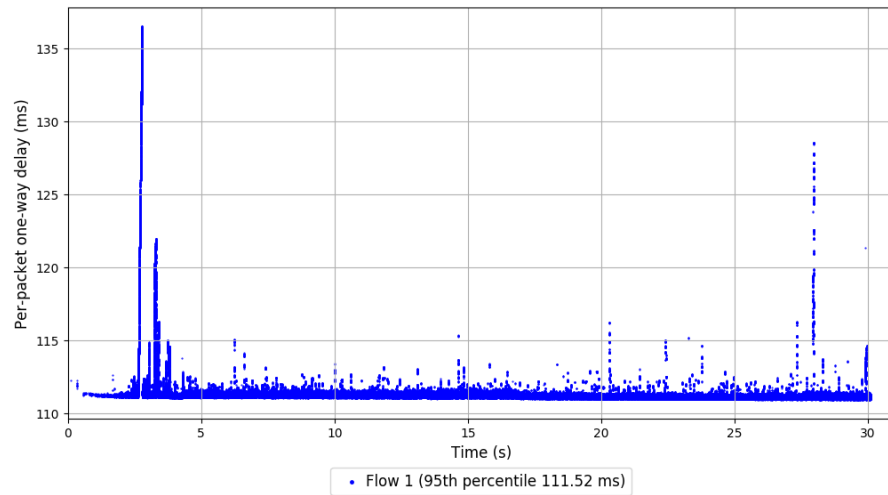
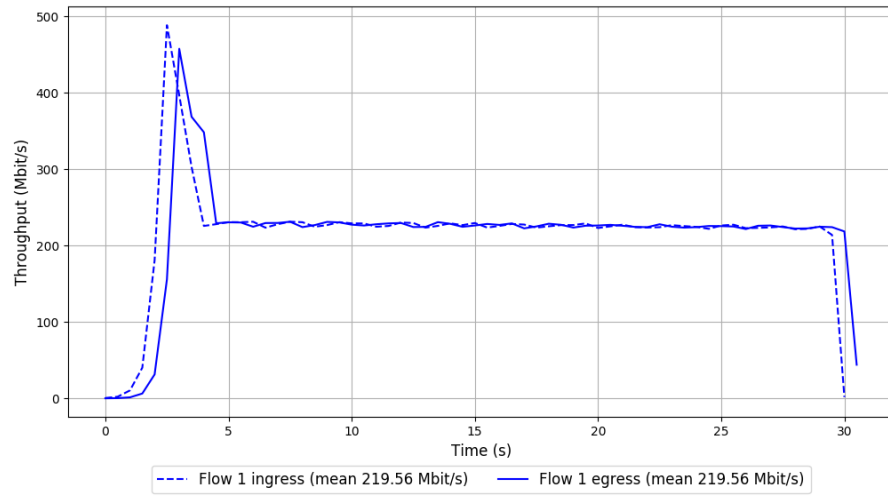


Run 3: Statistics of TCP Vegas

Start at: 2020-02-17 23:02:37
End at: 2020-02-17 23:03:07
Local clock offset: -0.168 ms
Remote clock offset: 17.234 ms

Below is generated by plot.py at 2020-02-18 02:47:44
Datalink statistics
-- Total of 1 flow:
Average throughput: 219.56 Mbit/s
95th percentile per-packet one-way delay: 111.523 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 219.56 Mbit/s
95th percentile per-packet one-way delay: 111.523 ms
Loss rate: 0.00%

Run 3: Report of TCP Vegas — Data Link



Run 4: Statistics of TCP Vegas

Start at: 2020-02-17 23:38:26

End at: 2020-02-17 23:38:56

Local clock offset: -0.039 ms

Remote clock offset: 8.78 ms

Below is generated by plot.py at 2020-02-18 02:47:44

Datalink statistics

-- Total of 1 flow:

Average throughput: 183.32 Mbit/s

95th percentile per-packet one-way delay: 121.178 ms

Loss rate: 0.01%

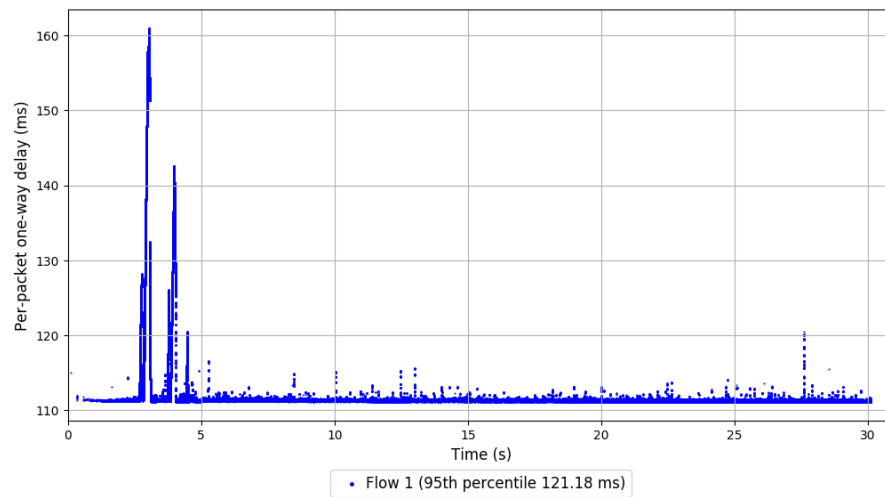
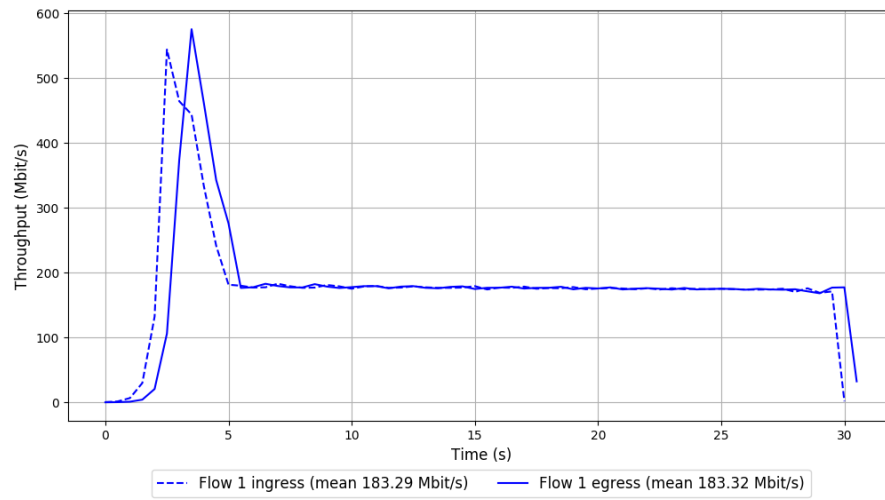
-- Flow 1:

Average throughput: 183.32 Mbit/s

95th percentile per-packet one-way delay: 121.178 ms

Loss rate: 0.01%

Run 4: Report of TCP Vegas — Data Link



Run 5: Statistics of TCP Vegas

Start at: 2020-02-18 00:13:54

End at: 2020-02-18 00:14:24

Local clock offset: -0.029 ms

Remote clock offset: 2.169 ms

Below is generated by plot.py at 2020-02-18 02:51:46

Datalink statistics

-- Total of 1 flow:

Average throughput: 271.76 Mbit/s

95th percentile per-packet one-way delay: 108.948 ms

Loss rate: 0.00%

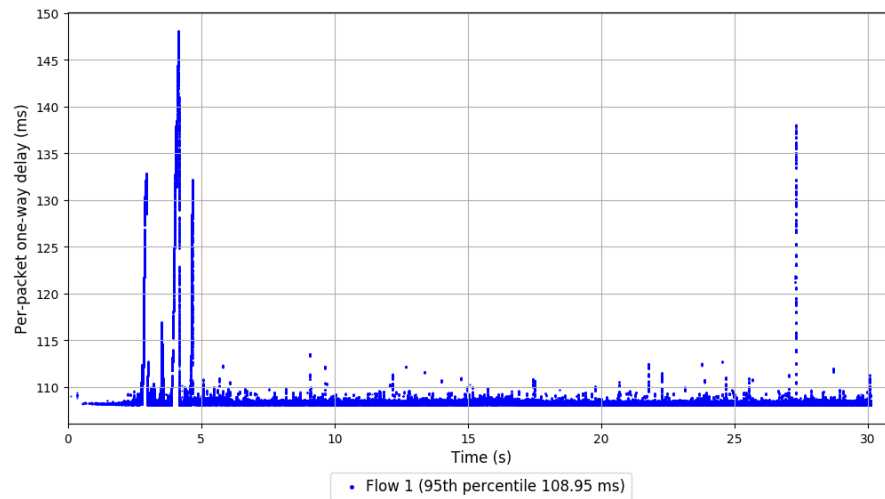
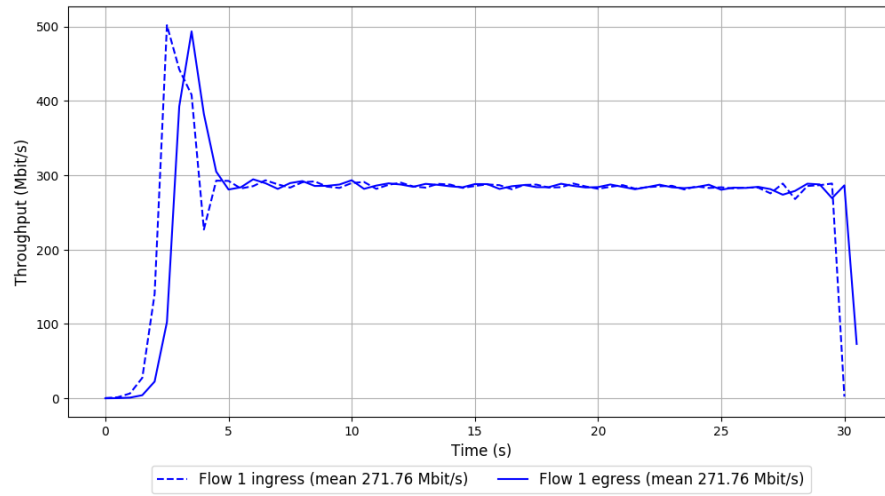
-- Flow 1:

Average throughput: 271.76 Mbit/s

95th percentile per-packet one-way delay: 108.948 ms

Loss rate: 0.00%

Run 5: Report of TCP Vegas — Data Link

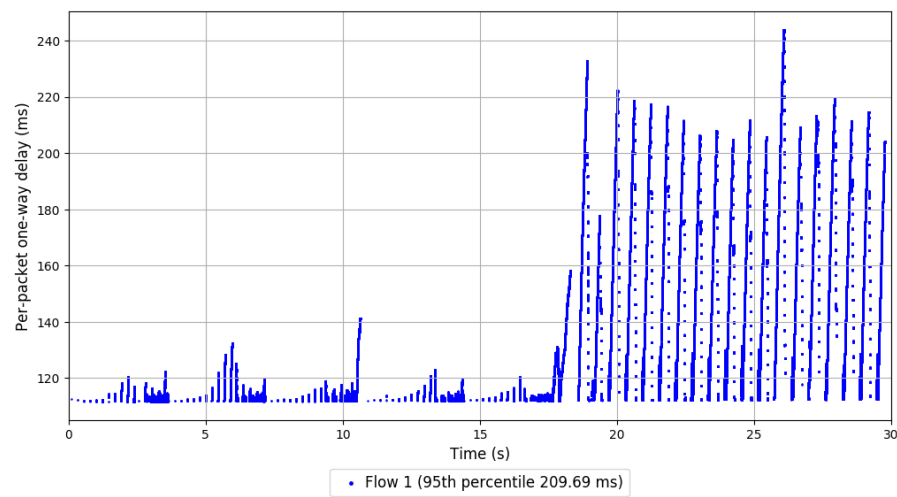
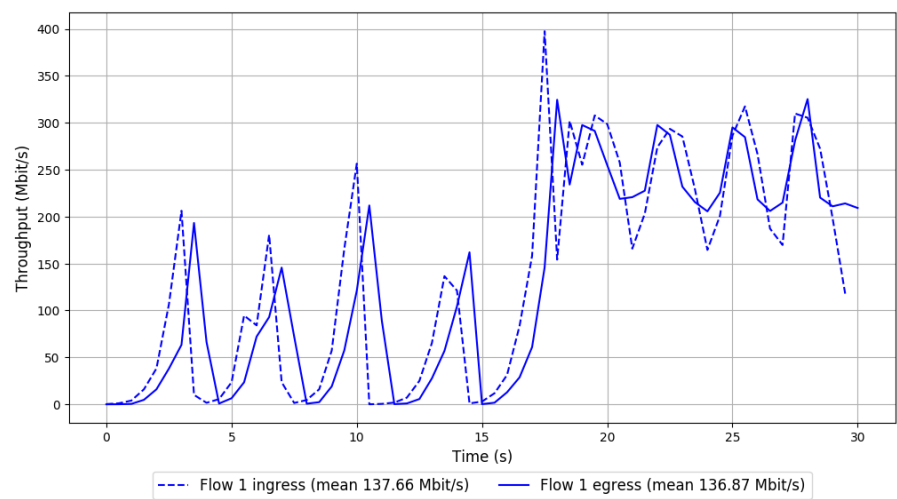


Run 1: Statistics of Verus

Start at: 2020-02-17 21:36:33
End at: 2020-02-17 21:37:03
Local clock offset: -0.013 ms
Remote clock offset: 10.805 ms

Below is generated by plot.py at 2020-02-18 02:51:46
Datalink statistics
-- Total of 1 flow:
Average throughput: 136.87 Mbit/s
95th percentile per-packet one-way delay: 209.686 ms
Loss rate: 0.57%
-- Flow 1:
Average throughput: 136.87 Mbit/s
95th percentile per-packet one-way delay: 209.686 ms
Loss rate: 0.57%

Run 1: Report of Verus — Data Link

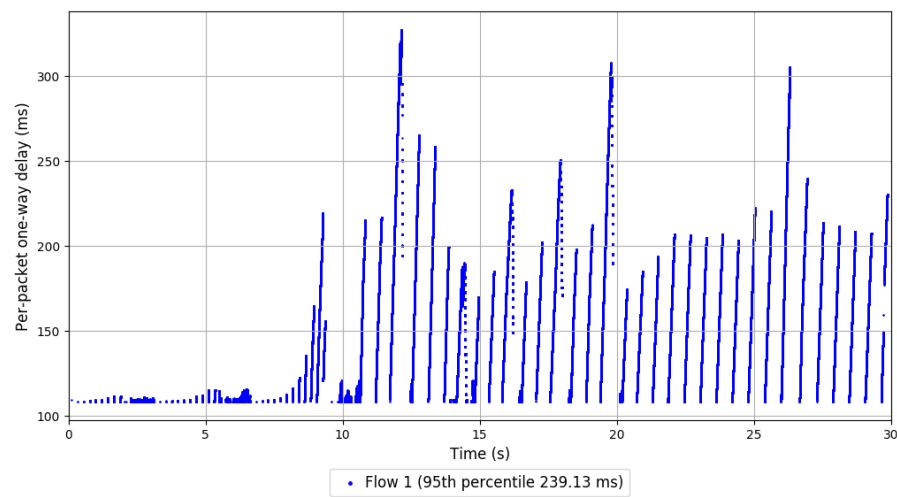
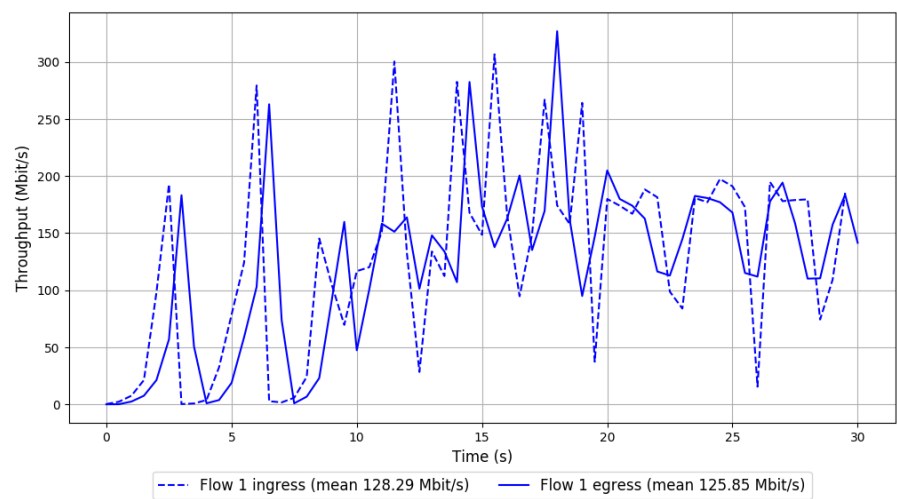


Run 2: Statistics of Verus

Start at: 2020-02-17 22:12:24
End at: 2020-02-17 22:12:54
Local clock offset: -0.061 ms
Remote clock offset: 20.598 ms

Below is generated by plot.py at 2020-02-18 02:51:46
Datalink statistics
-- Total of 1 flow:
Average throughput: 125.85 Mbit/s
95th percentile per-packet one-way delay: 239.127 ms
Loss rate: 1.60%
-- Flow 1:
Average throughput: 125.85 Mbit/s
95th percentile per-packet one-way delay: 239.127 ms
Loss rate: 1.60%

Run 2: Report of Verus — Data Link

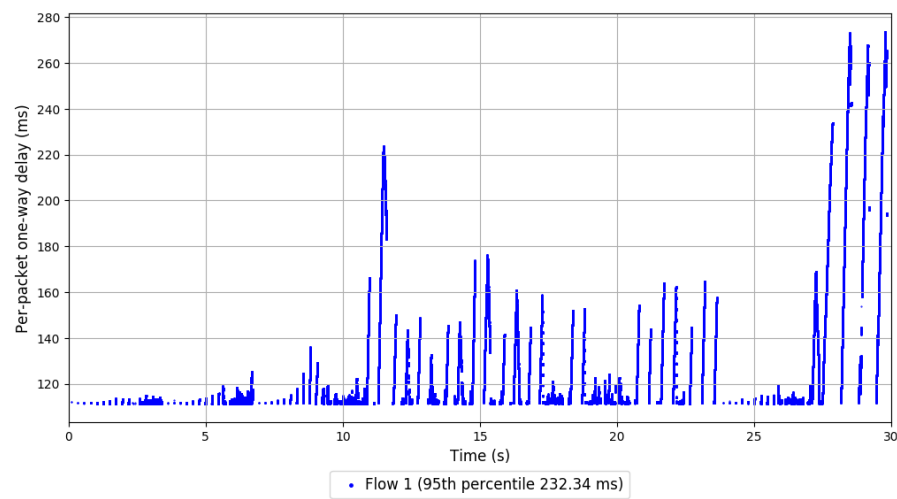
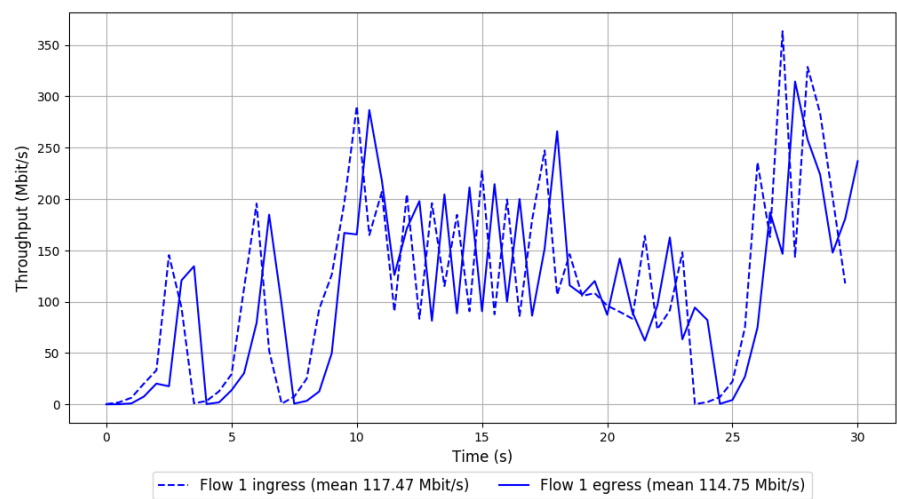


Run 3: Statistics of Verus

Start at: 2020-02-17 22:47:56
End at: 2020-02-17 22:48:26
Local clock offset: 1.142 ms
Remote clock offset: 16.753 ms

Below is generated by plot.py at 2020-02-18 02:51:46
Datalink statistics
-- Total of 1 flow:
Average throughput: 114.75 Mbit/s
95th percentile per-packet one-way delay: 232.343 ms
Loss rate: 2.04%
-- Flow 1:
Average throughput: 114.75 Mbit/s
95th percentile per-packet one-way delay: 232.343 ms
Loss rate: 2.04%

Run 3: Report of Verus — Data Link



Run 4: Statistics of Verus

Start at: 2020-02-17 23:23:37

End at: 2020-02-17 23:24:07

Local clock offset: 0.111 ms

Remote clock offset: 8.028 ms

Below is generated by plot.py at 2020-02-18 02:52:11

Datalink statistics

-- Total of 1 flow:

Average throughput: 146.42 Mbit/s

95th percentile per-packet one-way delay: 213.790 ms

Loss rate: 0.16%

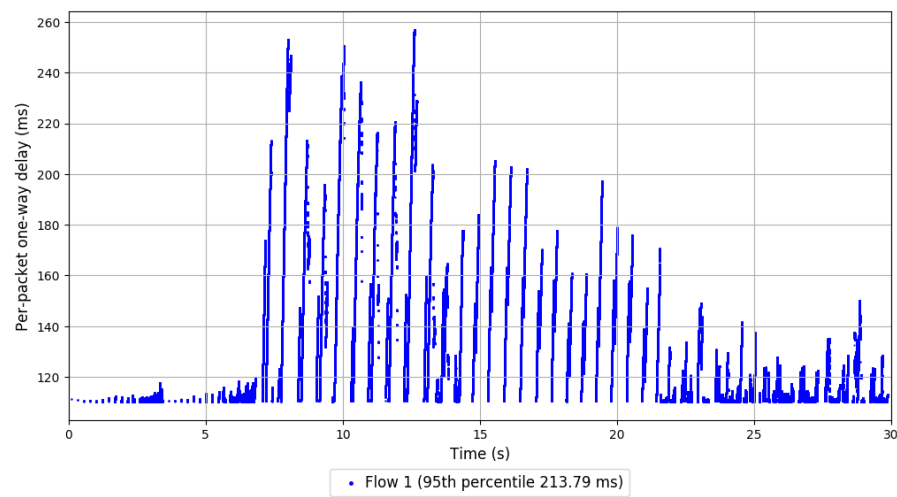
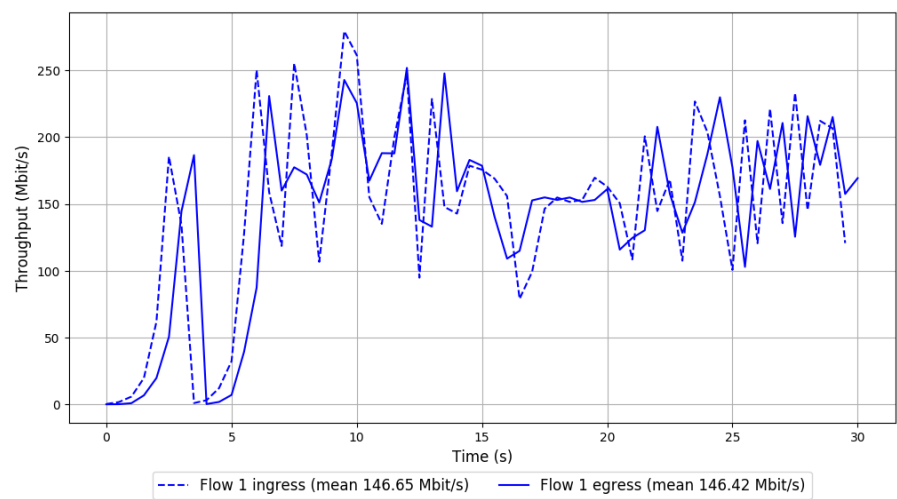
-- Flow 1:

Average throughput: 146.42 Mbit/s

95th percentile per-packet one-way delay: 213.790 ms

Loss rate: 0.16%

Run 4: Report of Verus — Data Link



Run 5: Statistics of Verus

Start at: 2020-02-17 23:59:09

End at: 2020-02-17 23:59:39

Local clock offset: -0.103 ms

Remote clock offset: 2.665 ms

Below is generated by plot.py at 2020-02-18 02:52:28

Datalink statistics

-- Total of 1 flow:

Average throughput: 133.65 Mbit/s

95th percentile per-packet one-way delay: 187.667 ms

Loss rate: 0.21%

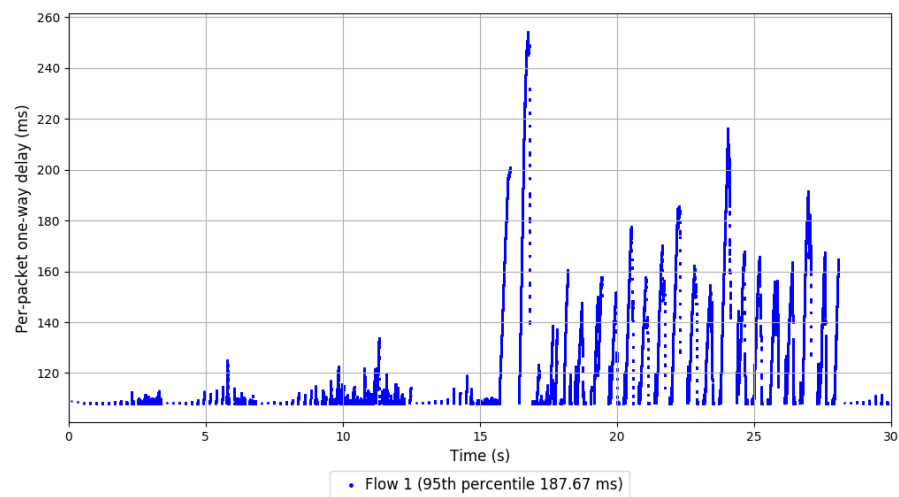
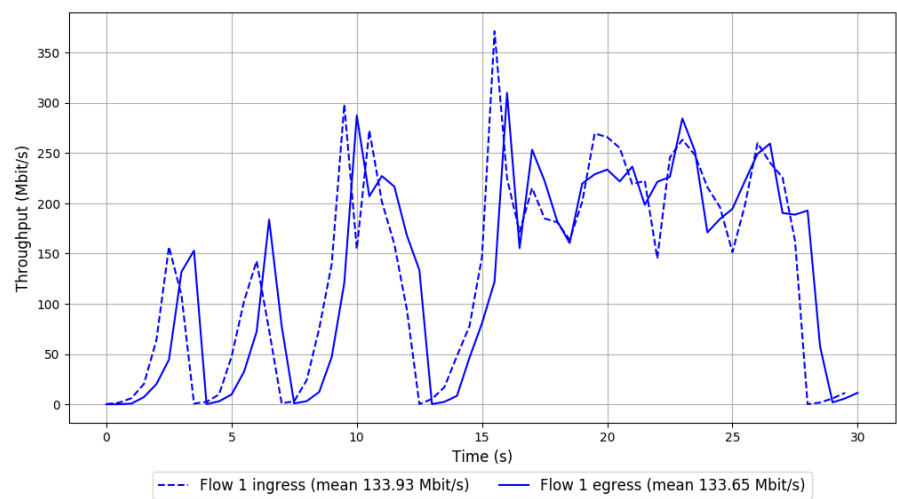
-- Flow 1:

Average throughput: 133.65 Mbit/s

95th percentile per-packet one-way delay: 187.667 ms

Loss rate: 0.21%

Run 5: Report of Verus — Data Link

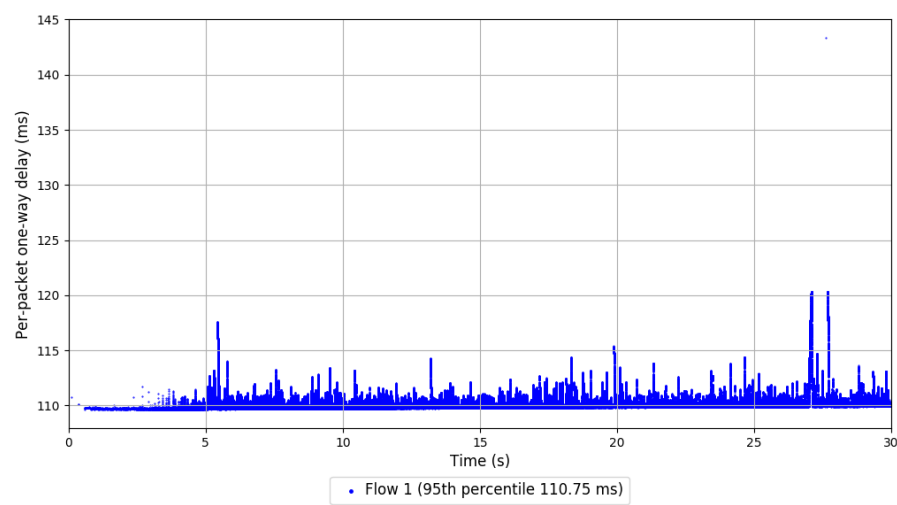
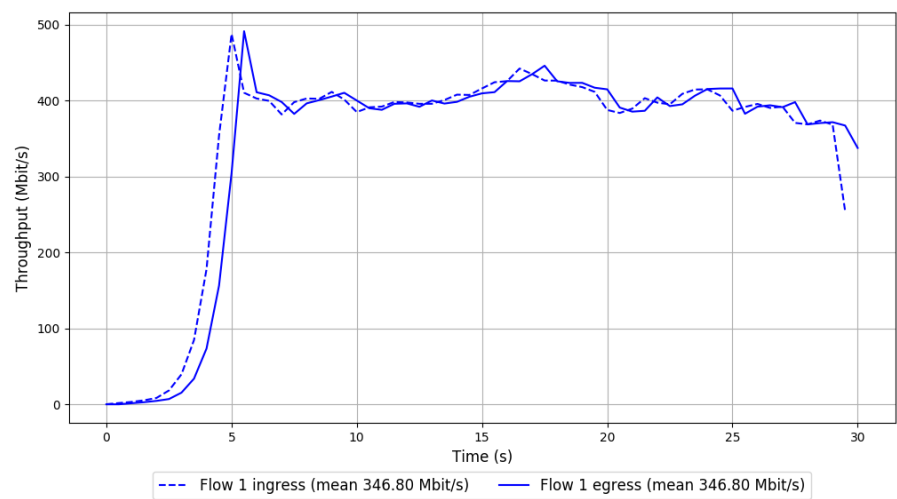


Run 1: Statistics of PCC-Vivace

Start at: 2020-02-17 21:47:02
End at: 2020-02-17 21:47:32
Local clock offset: -0.061 ms
Remote clock offset: 14.453 ms

Below is generated by plot.py at 2020-02-18 02:53:33
Datalink statistics
-- Total of 1 flow:
Average throughput: 346.80 Mbit/s
95th percentile per-packet one-way delay: 110.751 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 346.80 Mbit/s
95th percentile per-packet one-way delay: 110.751 ms
Loss rate: 0.00%

Run 1: Report of PCC-Vivace — Data Link



Run 2: Statistics of PCC-Vivace

Start at: 2020-02-17 22:23:01

End at: 2020-02-17 22:23:31

Local clock offset: 1.128 ms

Remote clock offset: 27.637 ms

Below is generated by plot.py at 2020-02-18 02:53:33

Datalink statistics

-- Total of 1 flow:

Average throughput: 238.71 Mbit/s

95th percentile per-packet one-way delay: 108.667 ms

Loss rate: 0.00%

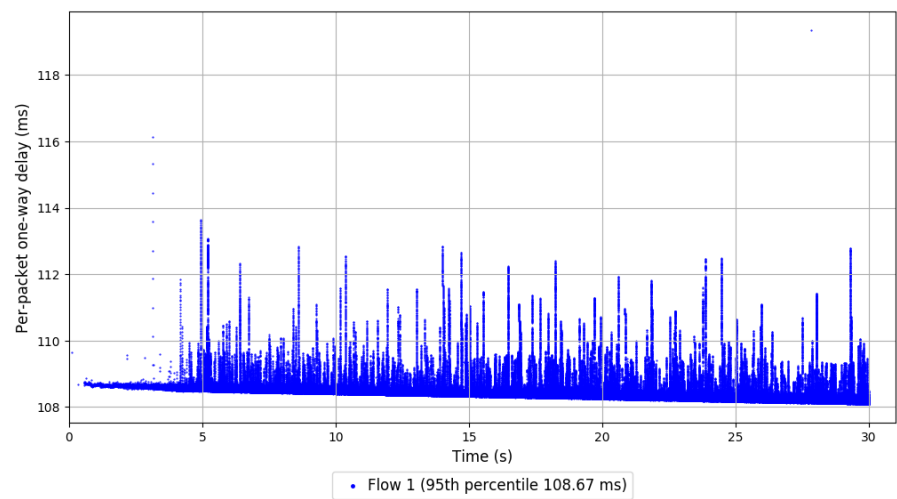
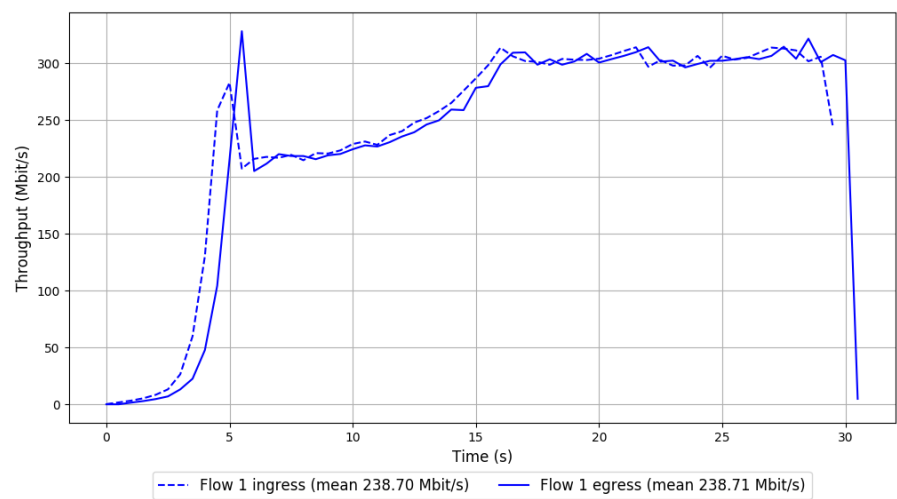
-- Flow 1:

Average throughput: 238.71 Mbit/s

95th percentile per-packet one-way delay: 108.667 ms

Loss rate: 0.00%

Run 2: Report of PCC-Vivace — Data Link

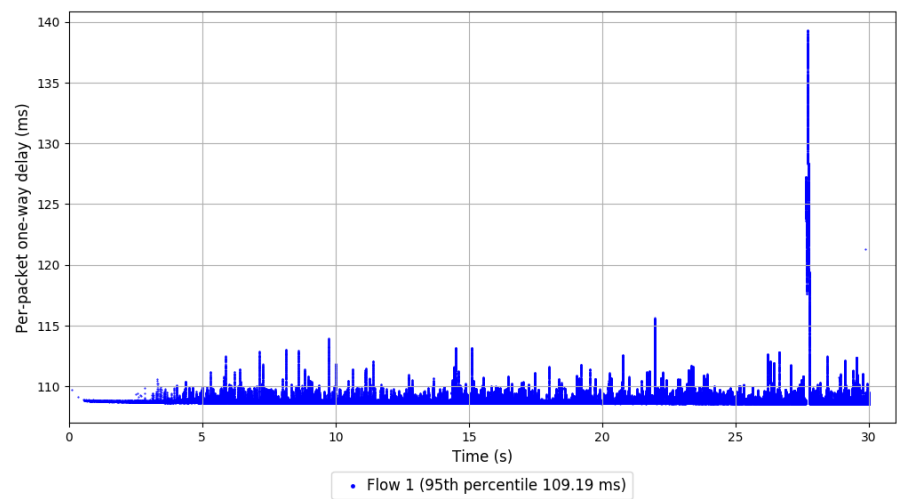
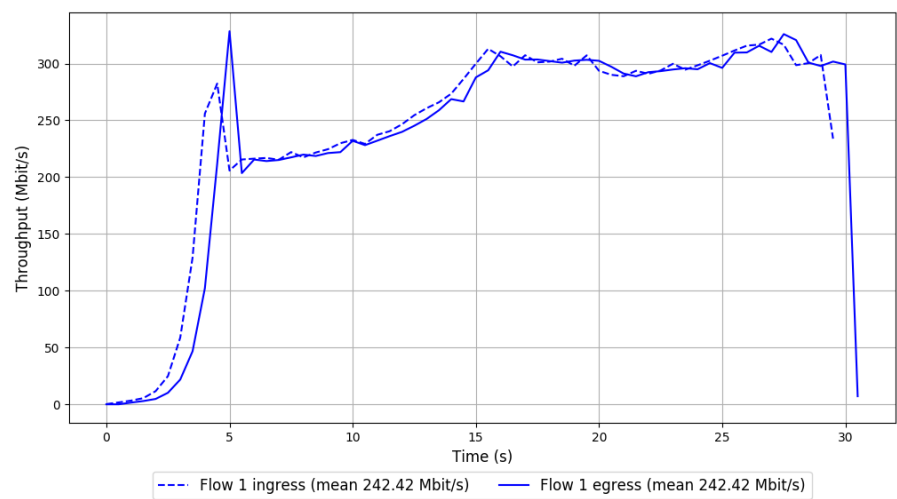


Run 3: Statistics of PCC-Vivace

Start at: 2020-02-17 22:58:25
End at: 2020-02-17 22:58:55
Local clock offset: -0.044 ms
Remote clock offset: 16.212 ms

Below is generated by plot.py at 2020-02-18 02:53:41
Datalink statistics
-- Total of 1 flow:
Average throughput: 242.42 Mbit/s
95th percentile per-packet one-way delay: 109.189 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 242.42 Mbit/s
95th percentile per-packet one-way delay: 109.189 ms
Loss rate: 0.00%

Run 3: Report of PCC-Vivace — Data Link



Run 4: Statistics of PCC-Vivace

Start at: 2020-02-17 23:34:09

End at: 2020-02-17 23:34:39

Local clock offset: 0.052 ms

Remote clock offset: 8.043 ms

Below is generated by plot.py at 2020-02-18 02:54:15

Datalink statistics

-- Total of 1 flow:

Average throughput: 301.39 Mbit/s

95th percentile per-packet one-way delay: 118.172 ms

Loss rate: 0.01%

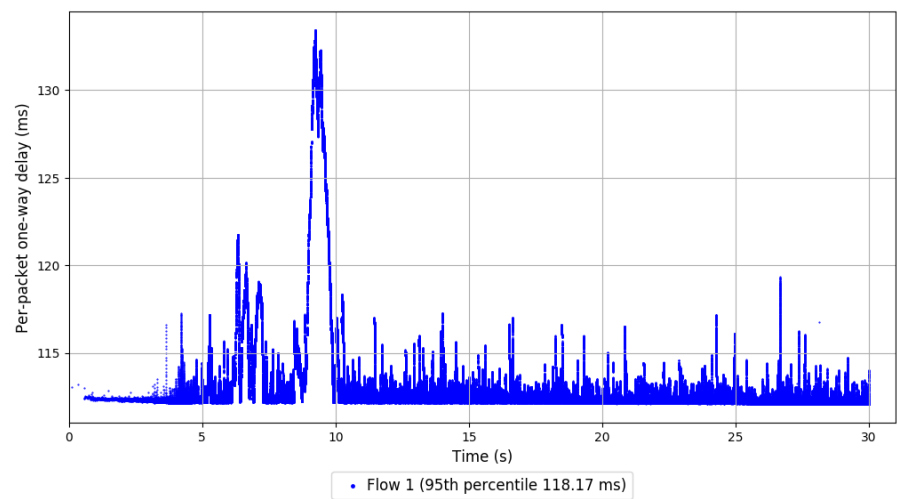
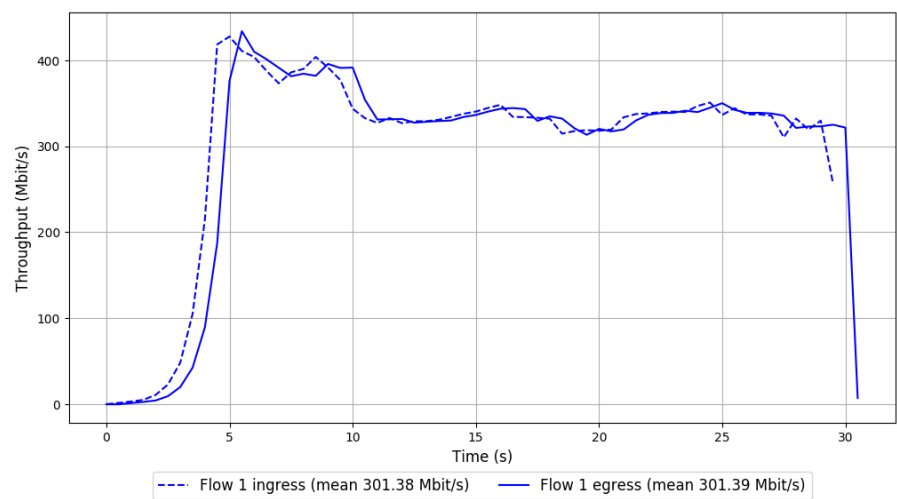
-- Flow 1:

Average throughput: 301.39 Mbit/s

95th percentile per-packet one-way delay: 118.172 ms

Loss rate: 0.01%

Run 4: Report of PCC-Vivace — Data Link



Run 5: Statistics of PCC-Vivace

Start at: 2020-02-18 00:09:32

End at: 2020-02-18 00:10:02

Local clock offset: -0.236 ms

Remote clock offset: 2.031 ms

Below is generated by plot.py at 2020-02-18 02:54:17

Datalink statistics

-- Total of 1 flow:

Average throughput: 338.60 Mbit/s

95th percentile per-packet one-way delay: 119.666 ms

Loss rate: 0.00%

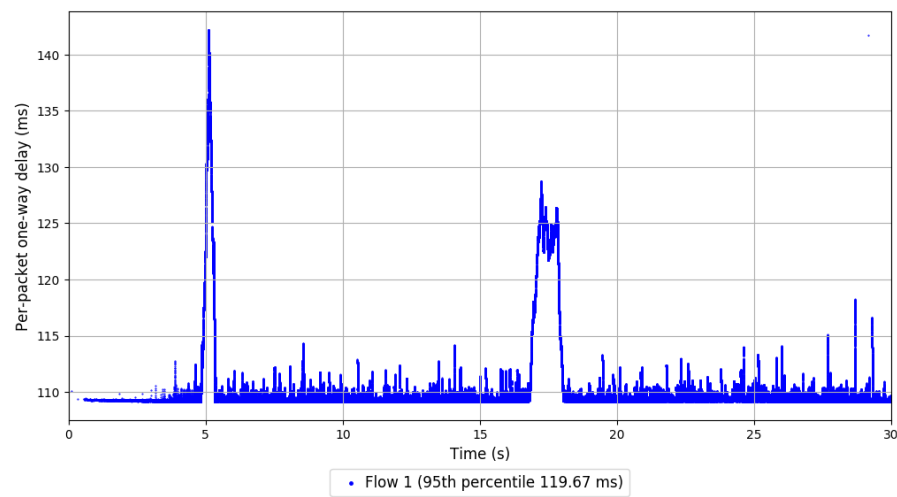
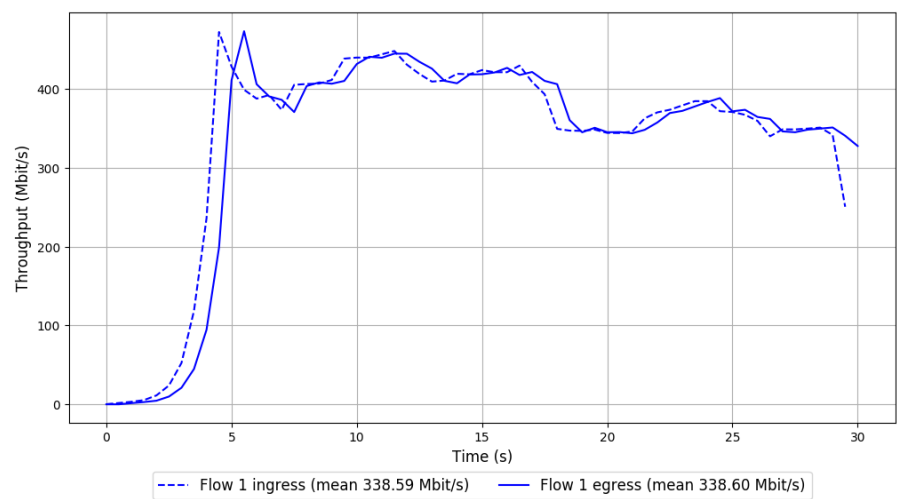
-- Flow 1:

Average throughput: 338.60 Mbit/s

95th percentile per-packet one-way delay: 119.666 ms

Loss rate: 0.00%

Run 5: Report of PCC-Vivace — Data Link



Run 1: Statistics of WebRTC media

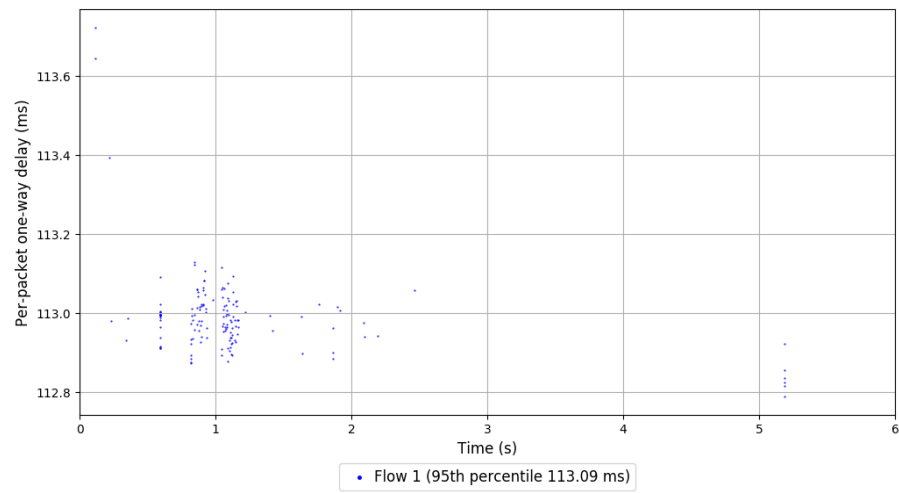
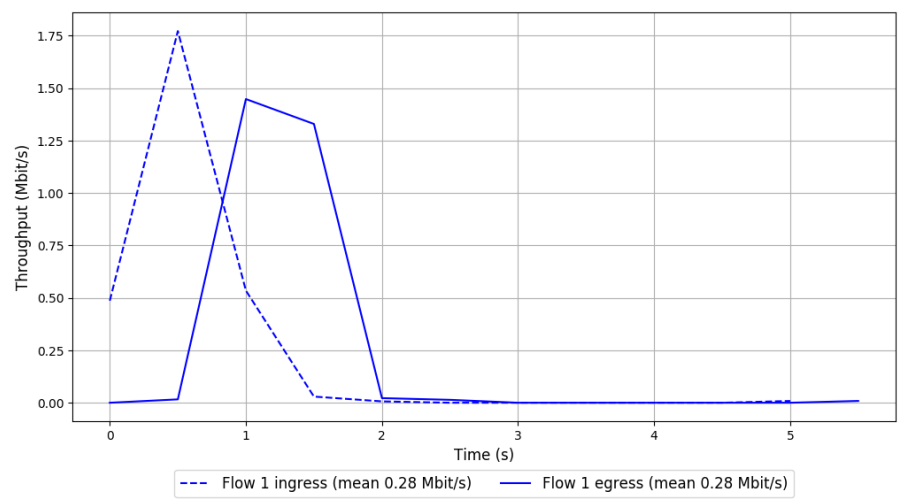
Start at: 2020-02-17 21:50:12

End at: 2020-02-17 21:50:42

Local clock offset: -0.045 ms

Remote clock offset: 13.885 ms

Run 1: Report of WebRTC media — Data Link



Run 2: Statistics of WebRTC media

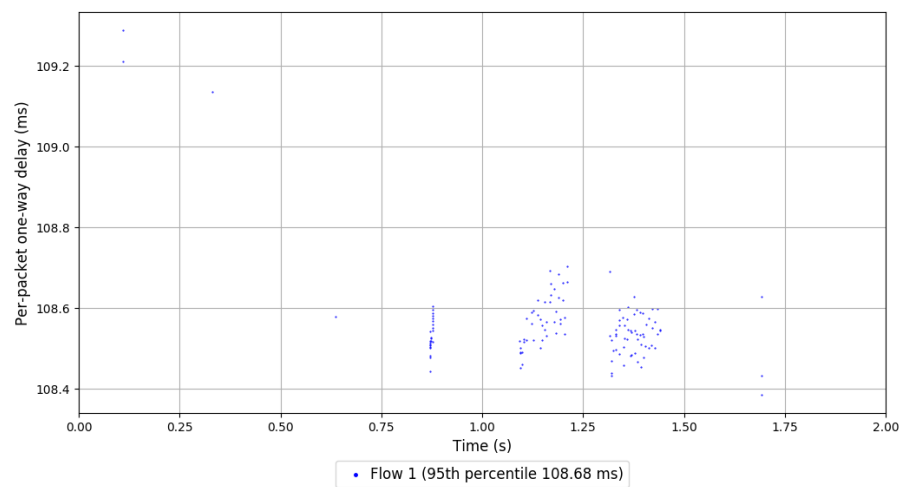
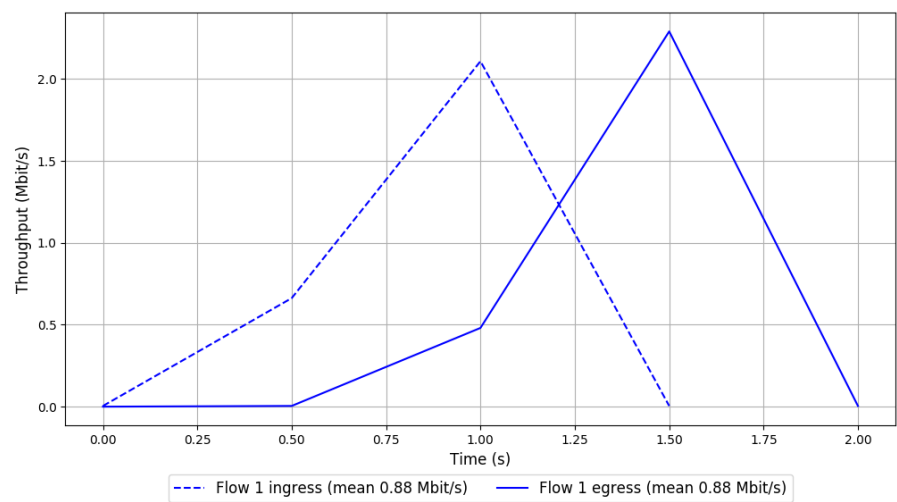
Start at: 2020-02-17 22:26:07

End at: 2020-02-17 22:26:37

Local clock offset: -0.307 ms

Remote clock offset: 30.583 ms

Run 2: Report of WebRTC media — Data Link



Run 3: Statistics of WebRTC media

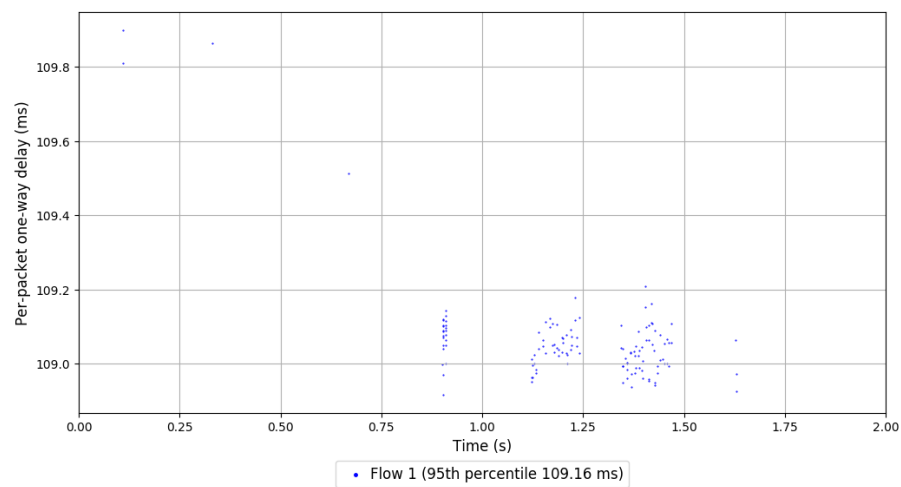
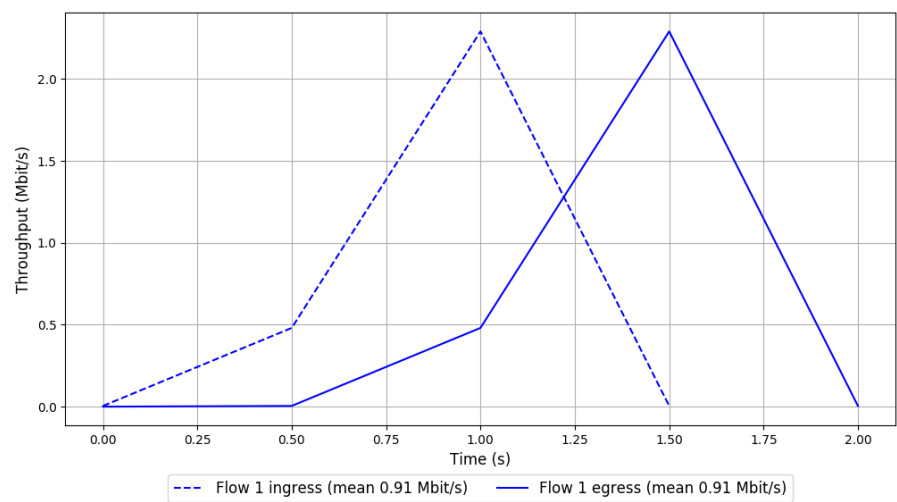
Start at: 2020-02-17 23:01:27

End at: 2020-02-17 23:01:57

Local clock offset: 0.804 ms

Remote clock offset: 17.119 ms

Run 3: Report of WebRTC media — Data Link



Run 4: Statistics of WebRTC media

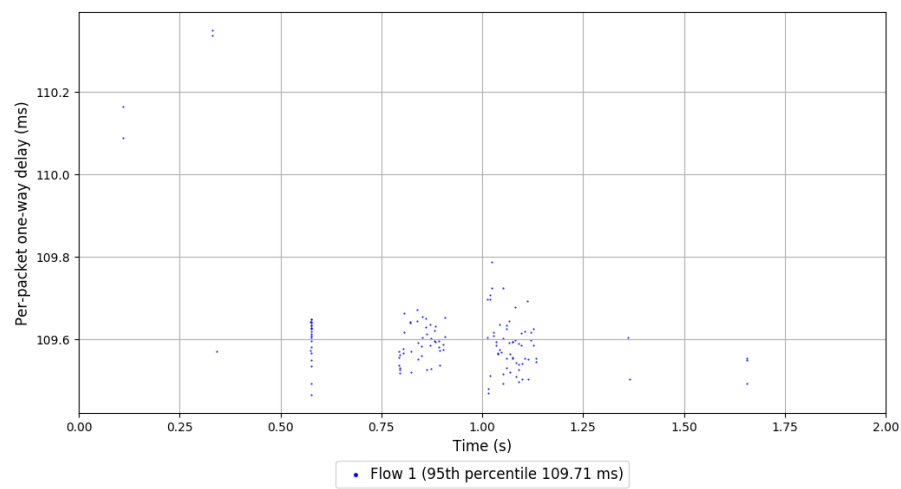
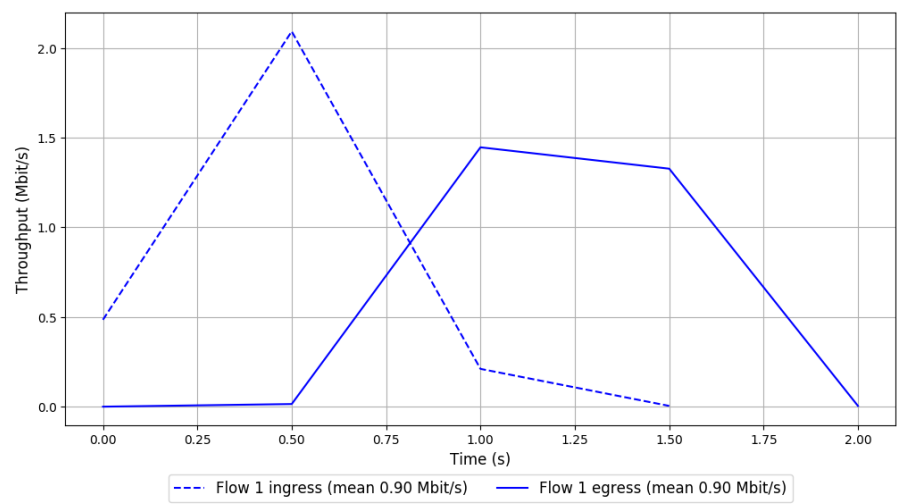
Start at: 2020-02-17 23:37:16

End at: 2020-02-17 23:37:46

Local clock offset: -0.089 ms

Remote clock offset: 8.548 ms

Run 4: Report of WebRTC media — Data Link



Run 5: Statistics of WebRTC media

Start at: 2020-02-18 00:12:45

End at: 2020-02-18 00:13:15

Local clock offset: 0.152 ms

Remote clock offset: 2.095 ms

Run 5: Report of WebRTC media — Data Link

