

Pantheon Report

Generated at 2018-05-25 04:52:13 (UTC).

Data path: India Ethernet (*remote*) → AWS India 1 Ethernet (*local*).

Repeated the test of 16 congestion control schemes 10 times.

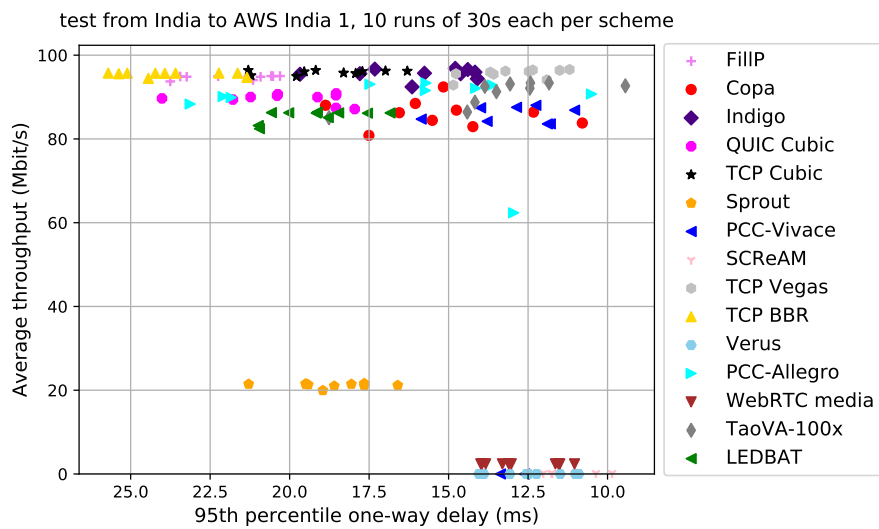
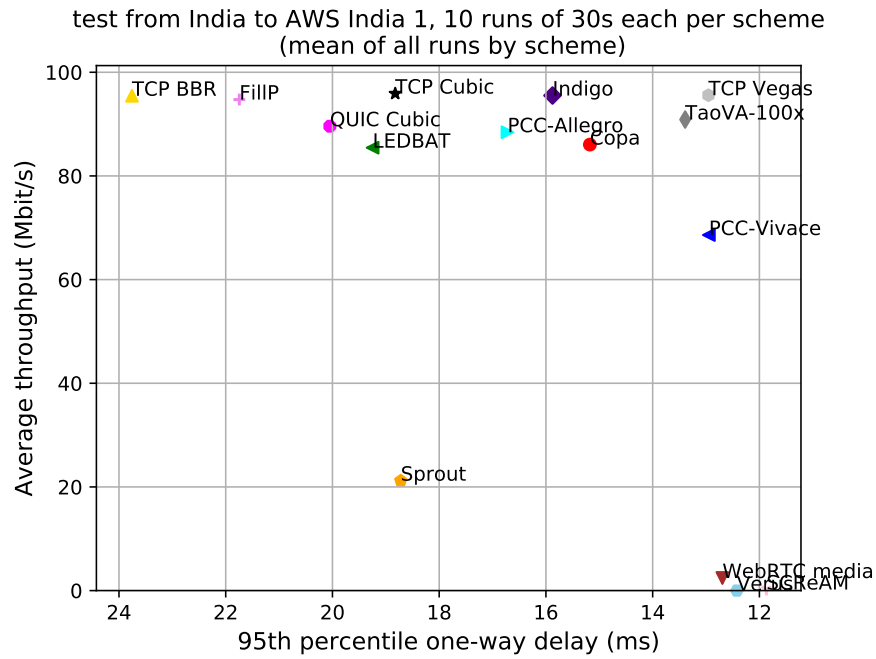
Each test lasted for 30 seconds running 1 flow.

Increased UDP receive buffer to 16 MB (default) and 32 MB (max).

NTP offsets were measured against [nets.org.sg](https://www.nets.org.sg) and have been applied to correct the timestamps in logs.

Git summary:

```
branch: master @ 0088822873ea99180f63545a341ef069f40efe59
third_party/llnwd @ d47f4fa1b454a5e3c0537115c5a28436dbd4b834
third_party/genericCC @ c7966e494a929986eaa5a9c169a7f381fe1bbbe5
third_party/indigo @ 2601c92e4aa9d58d38dc4dfe0ecd90c077e64d
third_party/libutp @ b3465b942e2826f2b179eaab4a906ce6bb7cf3cf
third_party/pantheon-tunnel @ 6f038ed31259d366f9840f65b82cbe8f464b1b39
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
third_party/sprout @ c838669682f0c19f6baf92afc9a596a406d48c1f
third_party/verus @ d4b447ea74c6c60a261149af2629562939f9a494
M src/verus.hpp
M tools/plot.py
third_party/vivace @ 2baf86211435ae071a32f96b7d8c504587f5d7f4
third_party/webrtc @ 3f0cc2a9061a41b6f9dde4735770d143a1fa2851
```



scheme	# runs	mean avg tput (Mbit/s) flow 1	mean 95th-%ile delay (ms) flow 1	mean loss rate (%) flow 1
TCP BBR	10	95.46	23.76	3.10
Copa	10	86.05	15.18	0.08
TCP Cubic	10	95.89	18.82	0.09
FillP	10	94.74	21.74	0.11
Indigo	10	95.51	15.88	0.09
LEDBAT	10	85.45	19.25	0.10
PCC-Allegro	10	88.44	16.72	0.12
PCC-Expr	0	N/A	N/A	N/A
QUIC Cubic	10	89.59	20.05	0.12
SCReAM	10	0.20	11.87	0.11
Sprout	10	21.21	18.72	0.07
TaoVA-100x	10	90.88	13.39	0.08
TCP Vegas	10	95.57	12.96	0.08
Verus	10	0.00	12.42	0.00
PCC-Vivace	10	68.60	12.95	0.07
WebRTC media	10	2.43	12.69	0.08

Run 1: Statistics of TCP BBR

Start at: 2018-05-25 01:41:35

End at: 2018-05-25 01:42:05

Local clock offset: 1.954 ms

Remote clock offset: 8.066 ms

Below is generated by plot.py at 2018-05-25 04:31:57

Datalink statistics

-- Total of 1 flow:

Average throughput: 94.69 Mbit/s

95th percentile per-packet one-way delay: 21.342 ms

Loss rate: 3.59%

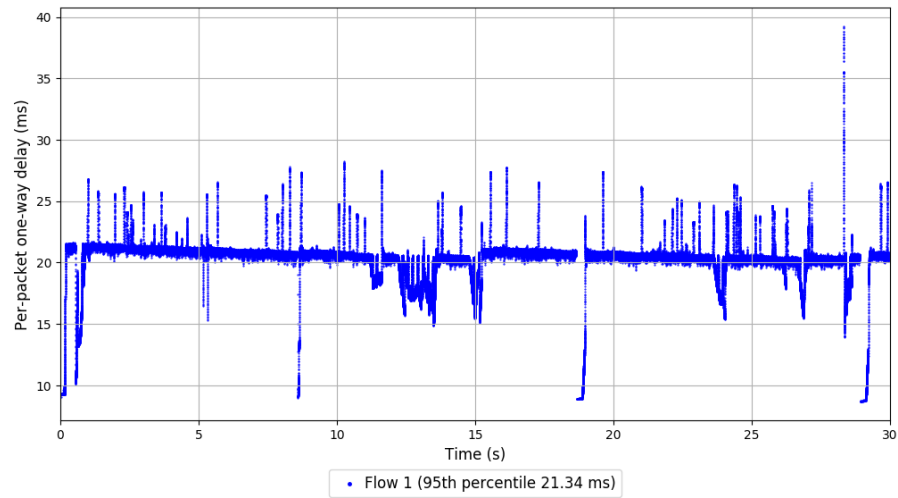
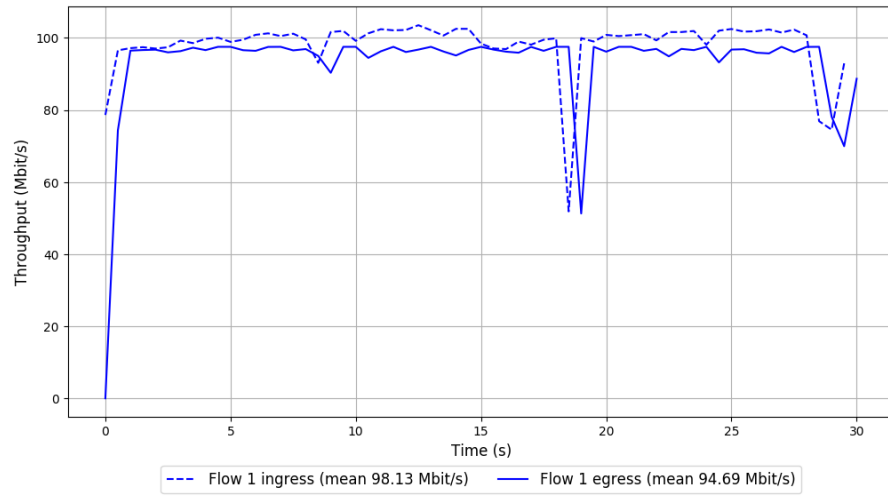
-- Flow 1:

Average throughput: 94.69 Mbit/s

95th percentile per-packet one-way delay: 21.342 ms

Loss rate: 3.59%

Run 1: Report of TCP BBR — Data Link



Run 2: Statistics of TCP BBR

Start at: 2018-05-25 01:59:55

End at: 2018-05-25 02:00:25

Local clock offset: 3.454 ms

Remote clock offset: -2.136 ms

Below is generated by plot.py at 2018-05-25 04:31:57

Datalink statistics

-- Total of 1 flow:

Average throughput: 94.47 Mbit/s

95th percentile per-packet one-way delay: 24.444 ms

Loss rate: 3.16%

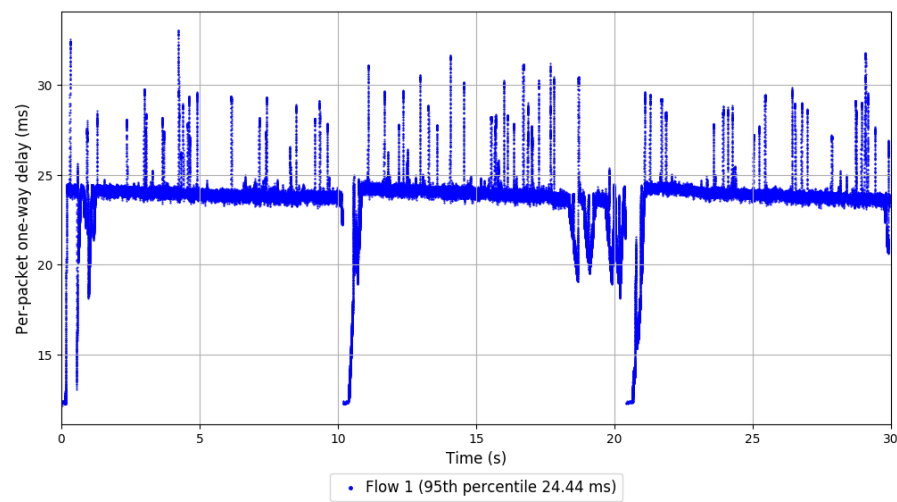
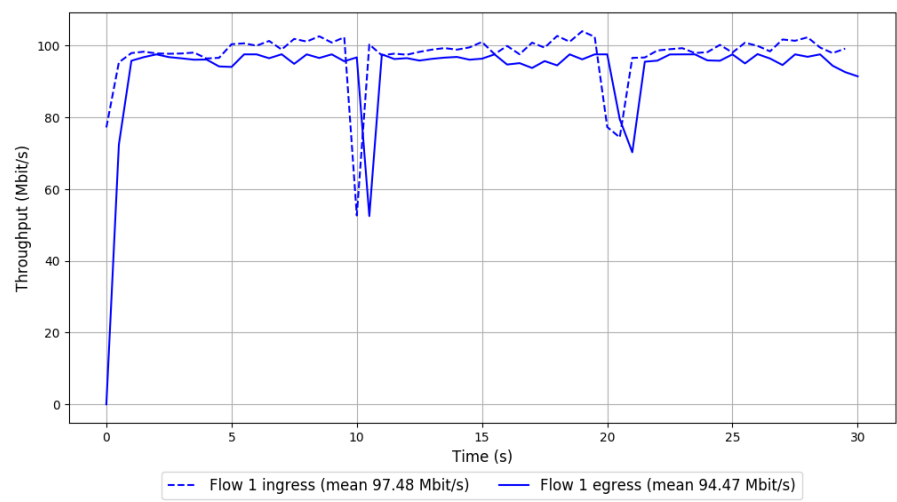
-- Flow 1:

Average throughput: 94.47 Mbit/s

95th percentile per-packet one-way delay: 24.444 ms

Loss rate: 3.16%

Run 2: Report of TCP BBR — Data Link



Run 3: Statistics of TCP BBR

Start at: 2018-05-25 02:18:14

End at: 2018-05-25 02:18:44

Local clock offset: 1.91 ms

Remote clock offset: -0.93 ms

Below is generated by plot.py at 2018-05-25 04:31:58

Datalink statistics

-- Total of 1 flow:

Average throughput: 95.70 Mbit/s

95th percentile per-packet one-way delay: 24.224 ms

Loss rate: 2.63%

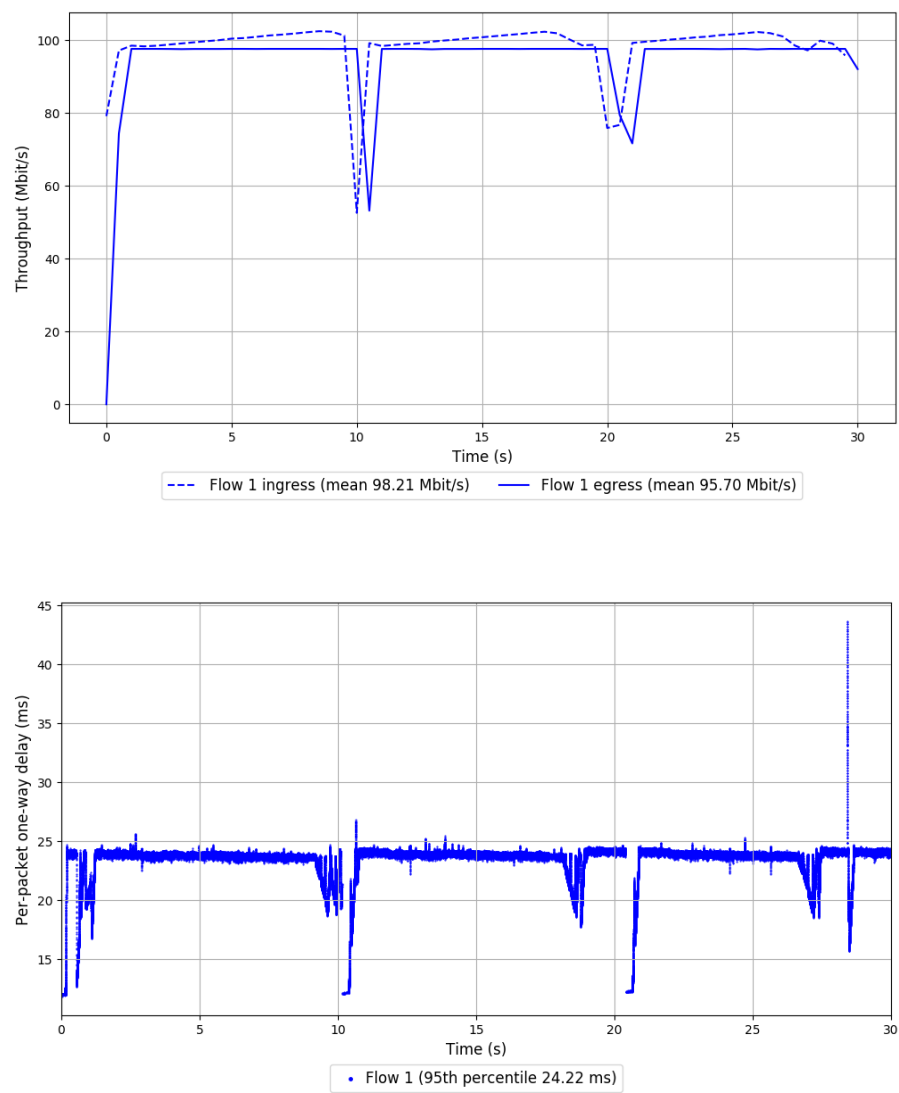
-- Flow 1:

Average throughput: 95.70 Mbit/s

95th percentile per-packet one-way delay: 24.224 ms

Loss rate: 2.63%

Run 3: Report of TCP BBR — Data Link



Run 4: Statistics of TCP BBR

Start at: 2018-05-25 02:36:36

End at: 2018-05-25 02:37:06

Local clock offset: 0.82 ms

Remote clock offset: 7.118 ms

Below is generated by plot.py at 2018-05-25 04:32:00

Datalink statistics

-- Total of 1 flow:

Average throughput: 95.71 Mbit/s

95th percentile per-packet one-way delay: 22.225 ms

Loss rate: 2.62%

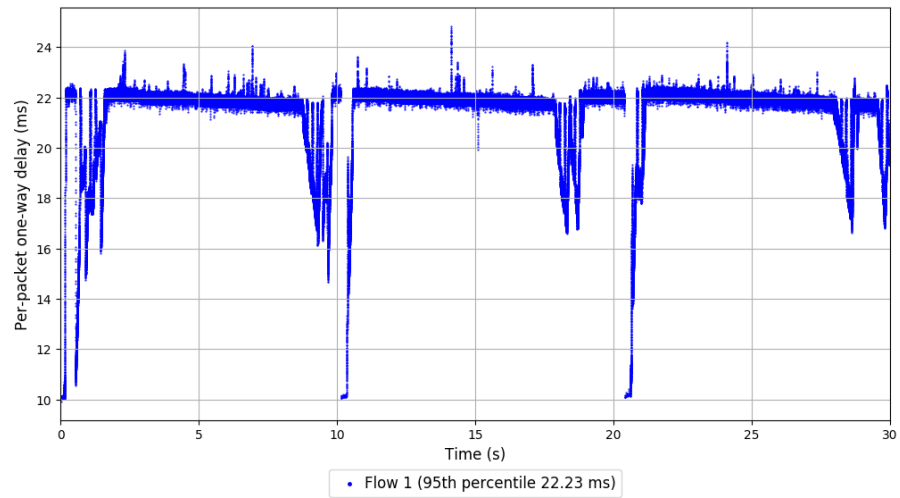
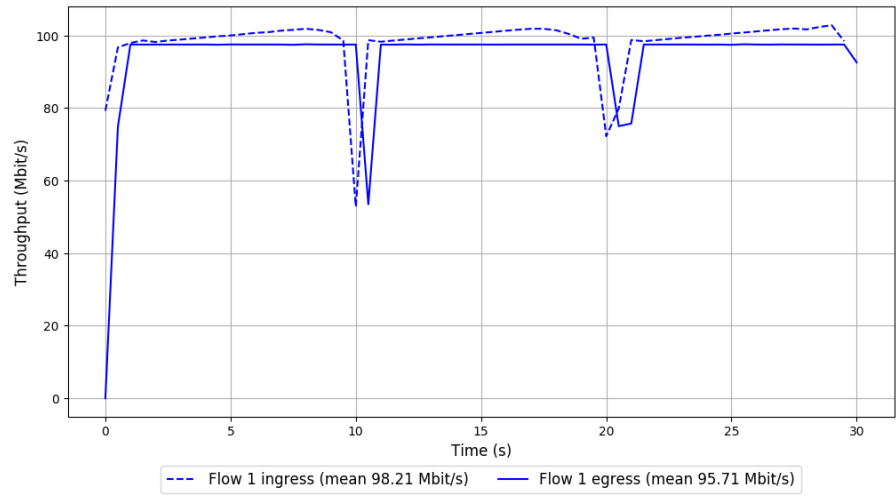
-- Flow 1:

Average throughput: 95.71 Mbit/s

95th percentile per-packet one-way delay: 22.225 ms

Loss rate: 2.62%

Run 4: Report of TCP BBR — Data Link



Run 5: Statistics of TCP BBR

Start at: 2018-05-25 02:55:03

End at: 2018-05-25 02:55:33

Local clock offset: -0.055 ms

Remote clock offset: 5.676 ms

Below is generated by plot.py at 2018-05-25 04:32:00

Datalink statistics

-- Total of 1 flow:

Average throughput: 95.70 Mbit/s

95th percentile per-packet one-way delay: 21.635 ms

Loss rate: 2.88%

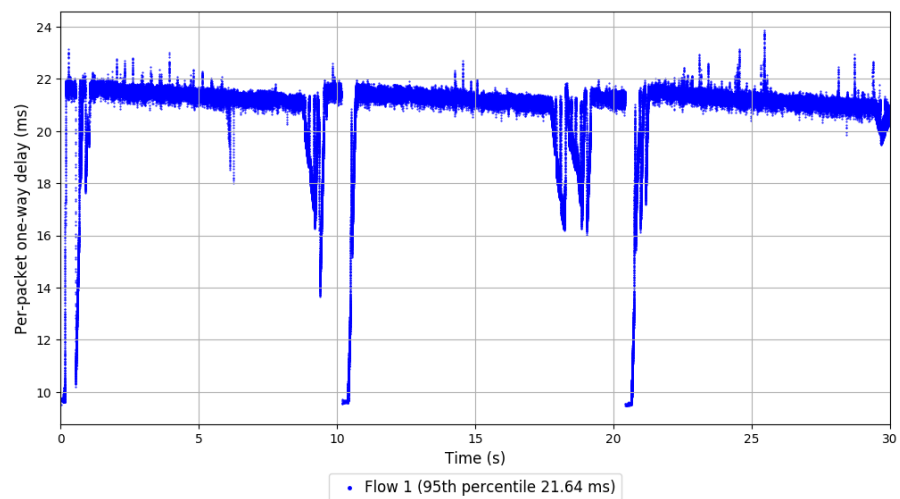
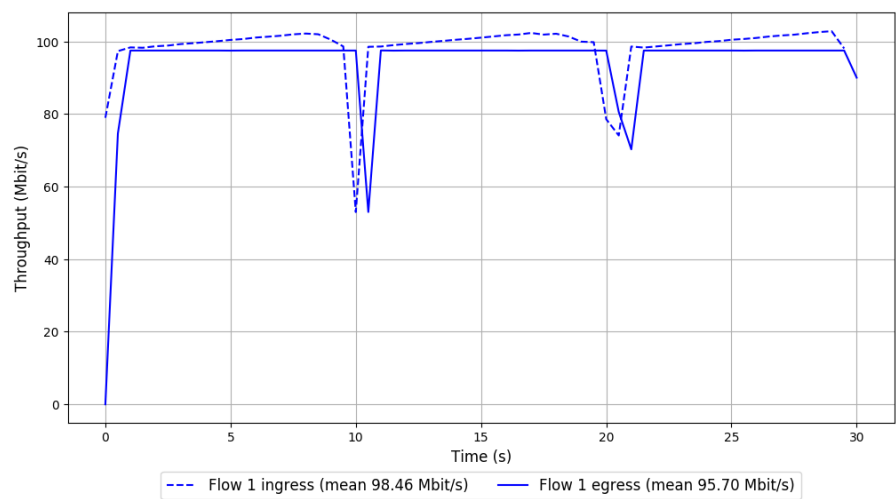
-- Flow 1:

Average throughput: 95.70 Mbit/s

95th percentile per-packet one-way delay: 21.635 ms

Loss rate: 2.88%

Run 5: Report of TCP BBR — Data Link



Run 6: Statistics of TCP BBR

Start at: 2018-05-25 03:13:33

End at: 2018-05-25 03:14:03

Local clock offset: 3.906 ms

Remote clock offset: 2.319 ms

Below is generated by plot.py at 2018-05-25 04:32:00

Datalink statistics

-- Total of 1 flow:

Average throughput: 95.71 Mbit/s

95th percentile per-packet one-way delay: 25.704 ms

Loss rate: 2.85%

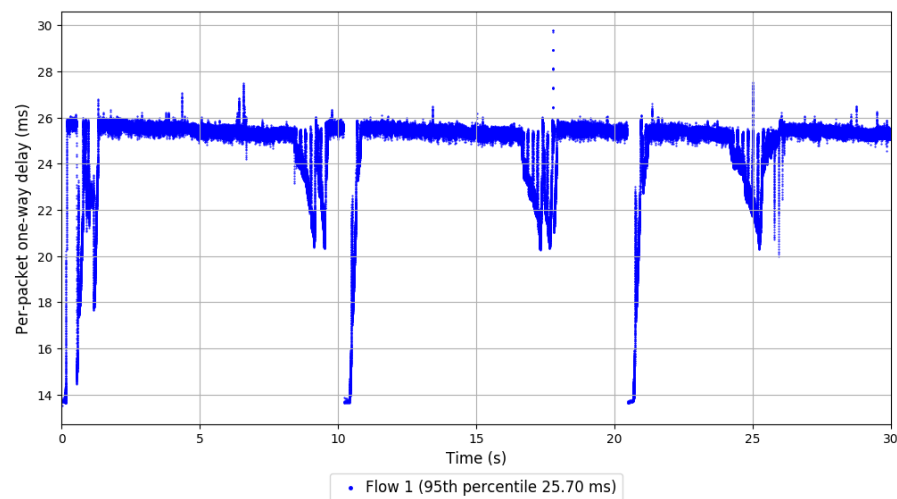
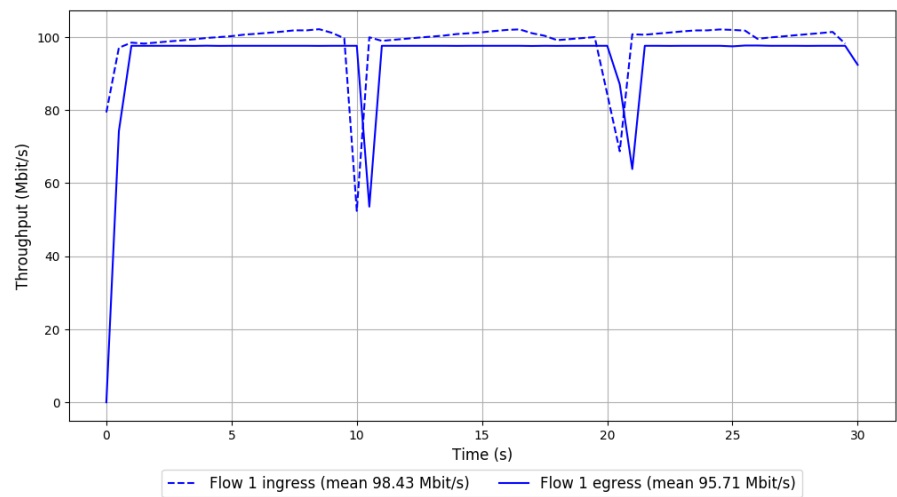
-- Flow 1:

Average throughput: 95.71 Mbit/s

95th percentile per-packet one-way delay: 25.704 ms

Loss rate: 2.85%

Run 6: Report of TCP BBR — Data Link



Run 7: Statistics of TCP BBR

Start at: 2018-05-25 03:32:15

End at: 2018-05-25 03:32:45

Local clock offset: 1.089 ms

Remote clock offset: 0.69 ms

Below is generated by plot.py at 2018-05-25 04:32:00

Datalink statistics

-- Total of 1 flow:

Average throughput: 95.71 Mbit/s

95th percentile per-packet one-way delay: 23.588 ms

Loss rate: 3.24%

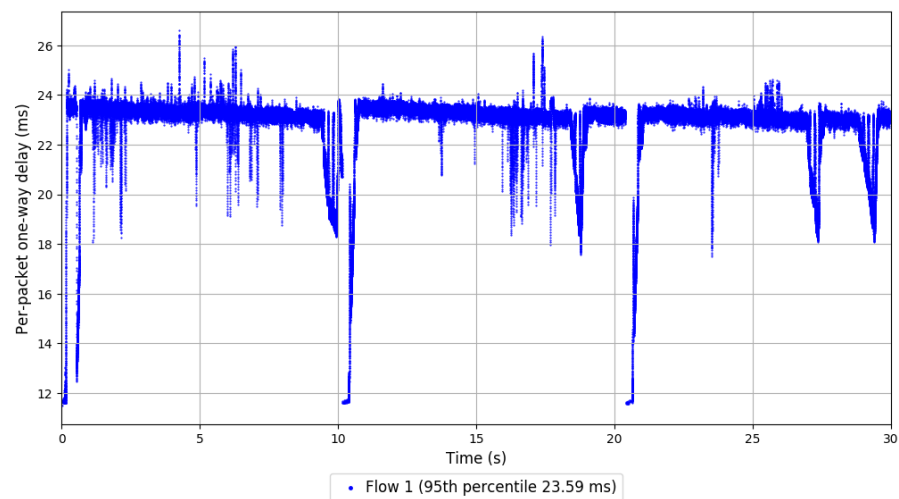
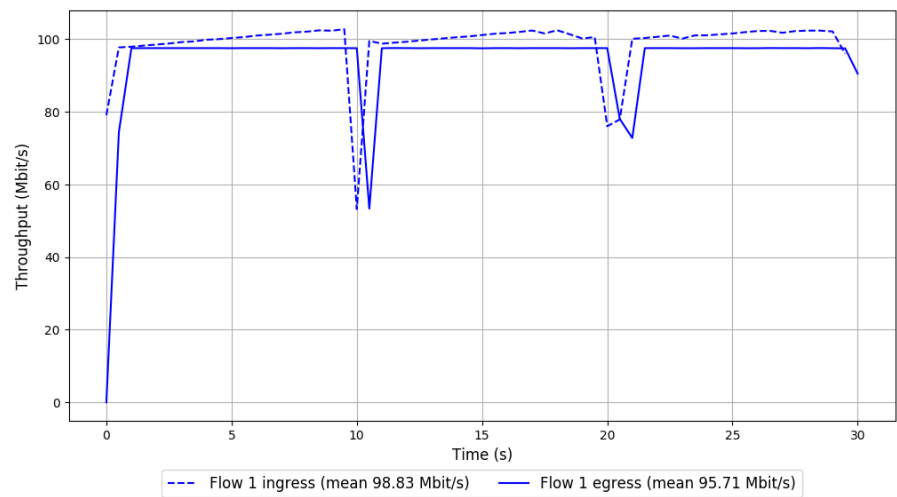
-- Flow 1:

Average throughput: 95.71 Mbit/s

95th percentile per-packet one-way delay: 23.588 ms

Loss rate: 3.24%

Run 7: Report of TCP BBR — Data Link



Run 8: Statistics of TCP BBR

Start at: 2018-05-25 03:50:39

End at: 2018-05-25 03:51:09

Local clock offset: 2.315 ms

Remote clock offset: 0.095 ms

Below is generated by plot.py at 2018-05-25 04:32:00

Datalink statistics

-- Total of 1 flow:

Average throughput: 95.57 Mbit/s

95th percentile per-packet one-way delay: 25.375 ms

Loss rate: 3.13%

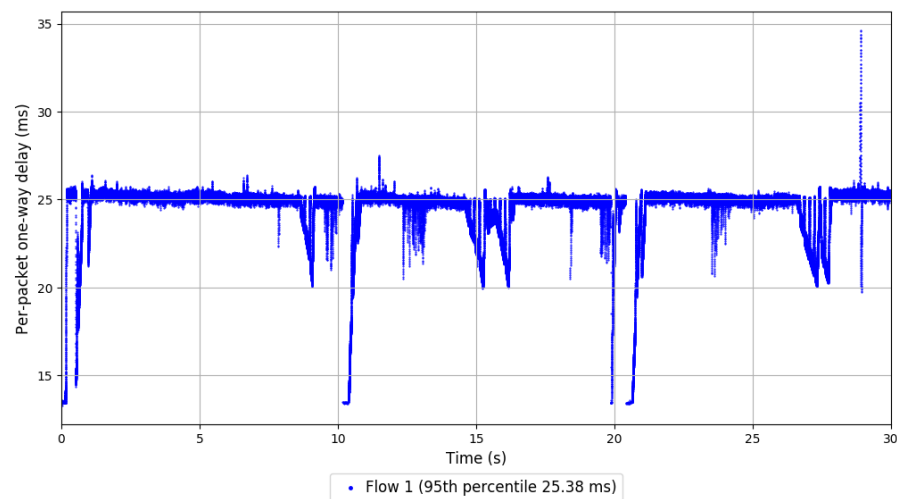
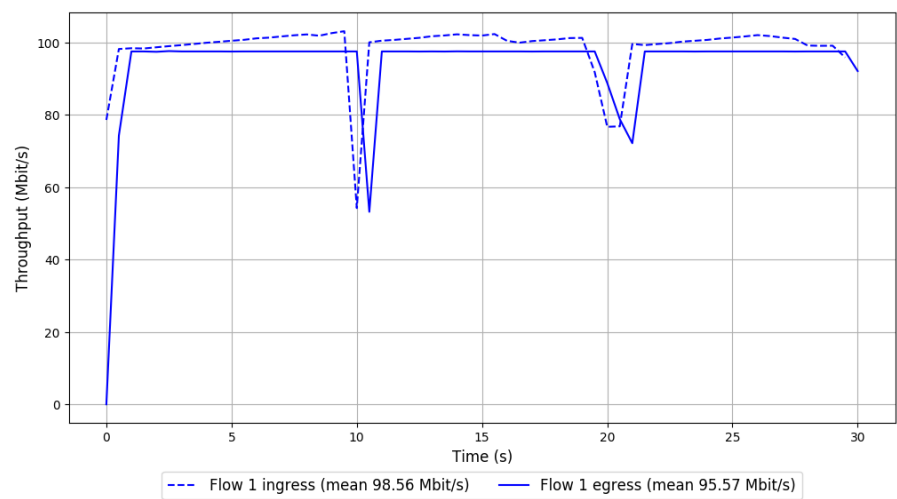
-- Flow 1:

Average throughput: 95.57 Mbit/s

95th percentile per-packet one-way delay: 25.375 ms

Loss rate: 3.13%

Run 8: Report of TCP BBR — Data Link



Run 9: Statistics of TCP BBR

Start at: 2018-05-25 04:08:49

End at: 2018-05-25 04:09:19

Local clock offset: 3.788 ms

Remote clock offset: 0.831 ms

Below is generated by plot.py at 2018-05-25 04:33:00

Datalink statistics

-- Total of 1 flow:

Average throughput: 95.70 Mbit/s

95th percentile per-packet one-way delay: 25.106 ms

Loss rate: 3.16%

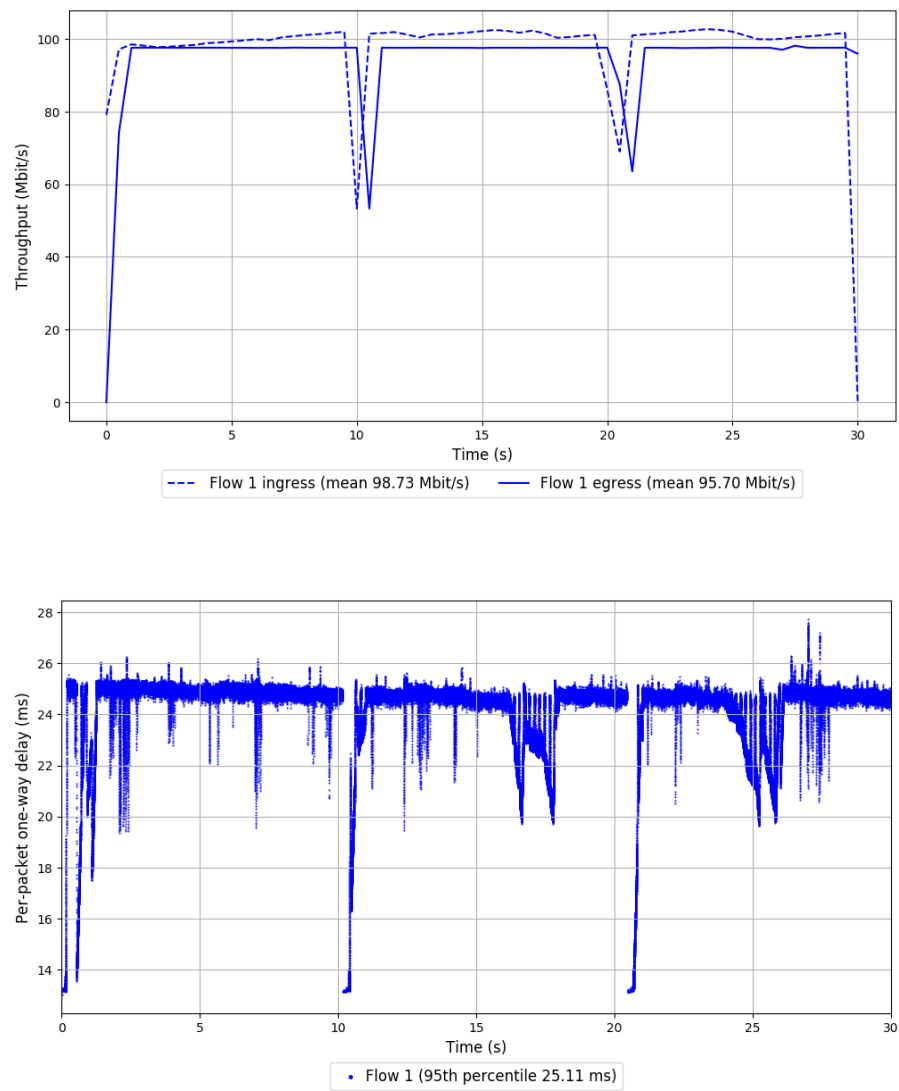
-- Flow 1:

Average throughput: 95.70 Mbit/s

95th percentile per-packet one-way delay: 25.106 ms

Loss rate: 3.16%

Run 9: Report of TCP BBR — Data Link



Run 10: Statistics of TCP BBR

Start at: 2018-05-25 04:27:11

End at: 2018-05-25 04:27:41

Local clock offset: 3.262 ms

Remote clock offset: 1.24 ms

Below is generated by plot.py at 2018-05-25 04:33:02

Datalink statistics

-- Total of 1 flow:

Average throughput: 95.68 Mbit/s

95th percentile per-packet one-way delay: 23.926 ms

Loss rate: 3.69%

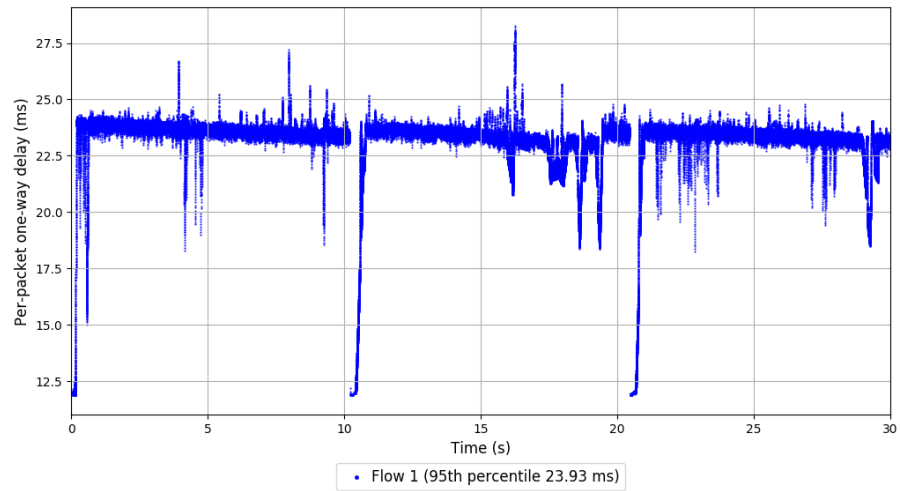
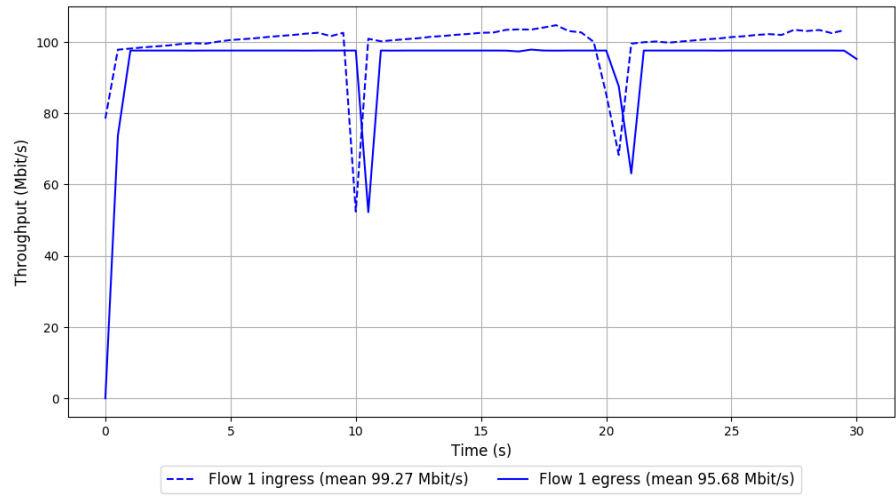
-- Flow 1:

Average throughput: 95.68 Mbit/s

95th percentile per-packet one-way delay: 23.926 ms

Loss rate: 3.69%

Run 10: Report of TCP BBR — Data Link



Run 1: Statistics of Copa

Start at: 2018-05-25 01:30:09

End at: 2018-05-25 01:30:39

Local clock offset: 1.89 ms

Remote clock offset: 3.885 ms

Below is generated by plot.py at 2018-05-25 04:34:08

Datalink statistics

-- Total of 1 flow:

Average throughput: 88.04 Mbit/s

95th percentile per-packet one-way delay: 18.870 ms

Loss rate: 0.09%

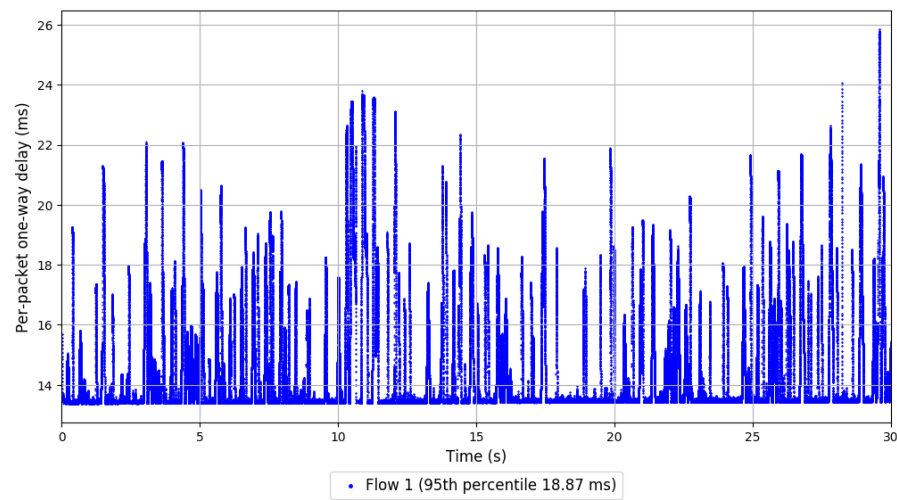
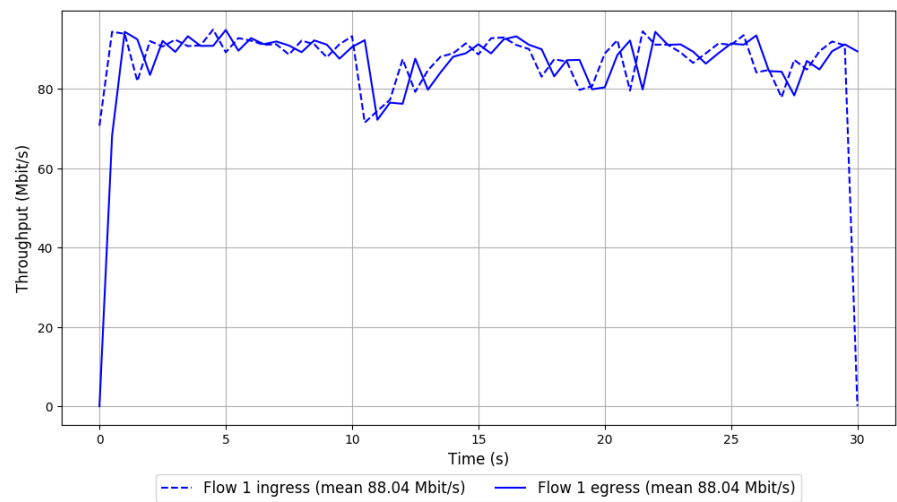
-- Flow 1:

Average throughput: 88.04 Mbit/s

95th percentile per-packet one-way delay: 18.870 ms

Loss rate: 0.09%

Run 1: Report of Copa — Data Link

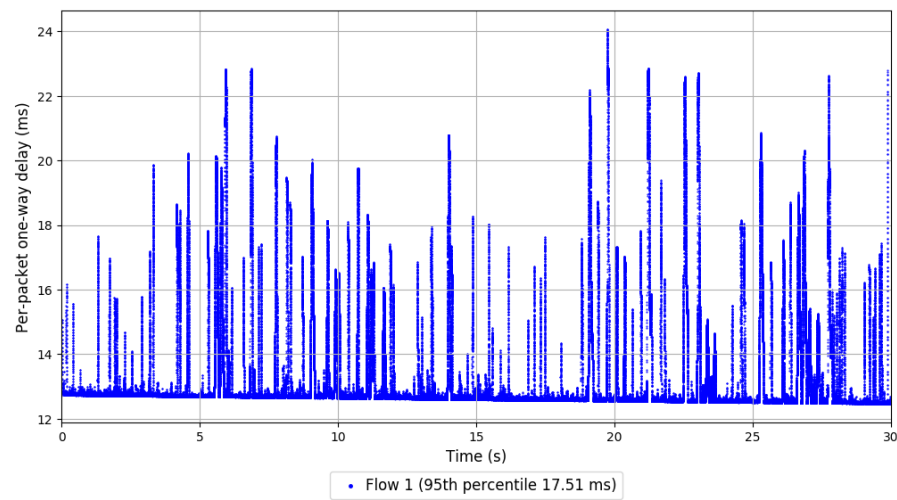
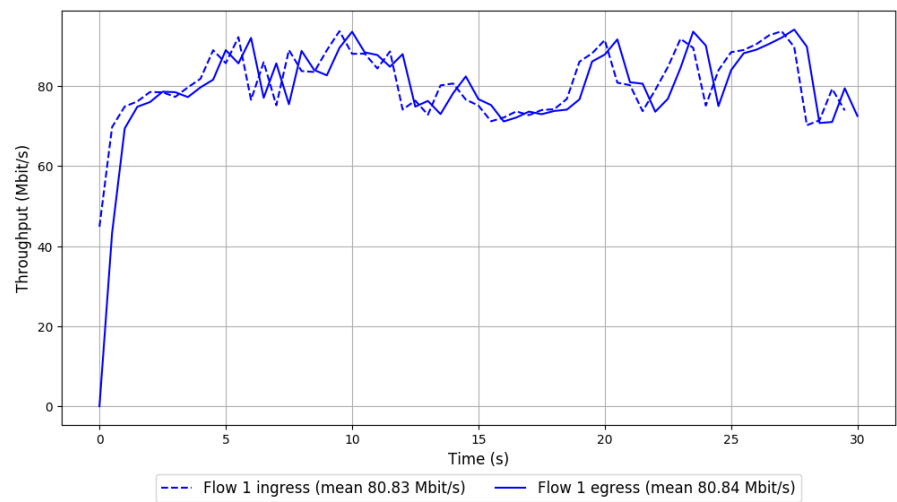


Run 2: Statistics of Copa

Start at: 2018-05-25 01:48:34
End at: 2018-05-25 01:49:04
Local clock offset: 3.075 ms
Remote clock offset: -0.207 ms

Below is generated by plot.py at 2018-05-25 04:34:08
Datalink statistics
-- Total of 1 flow:
Average throughput: 80.84 Mbit/s
95th percentile per-packet one-way delay: 17.506 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 80.84 Mbit/s
95th percentile per-packet one-way delay: 17.506 ms
Loss rate: 0.07%

Run 2: Report of Copa — Data Link



Run 3: Statistics of Copa

Start at: 2018-05-25 02:06:53

End at: 2018-05-25 02:07:23

Local clock offset: 1.527 ms

Remote clock offset: -3.06 ms

Below is generated by plot.py at 2018-05-25 04:34:15

Datalink statistics

-- Total of 1 flow:

Average throughput: 92.41 Mbit/s

95th percentile per-packet one-way delay: 15.163 ms

Loss rate: 0.08%

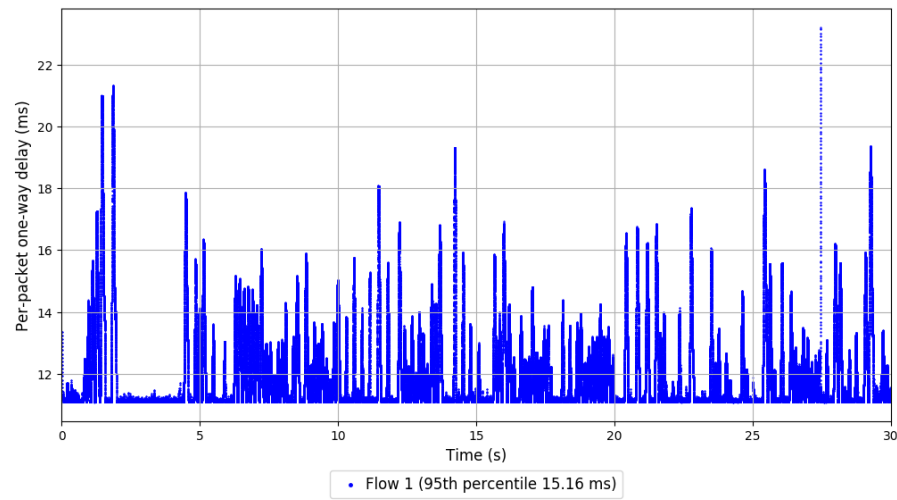
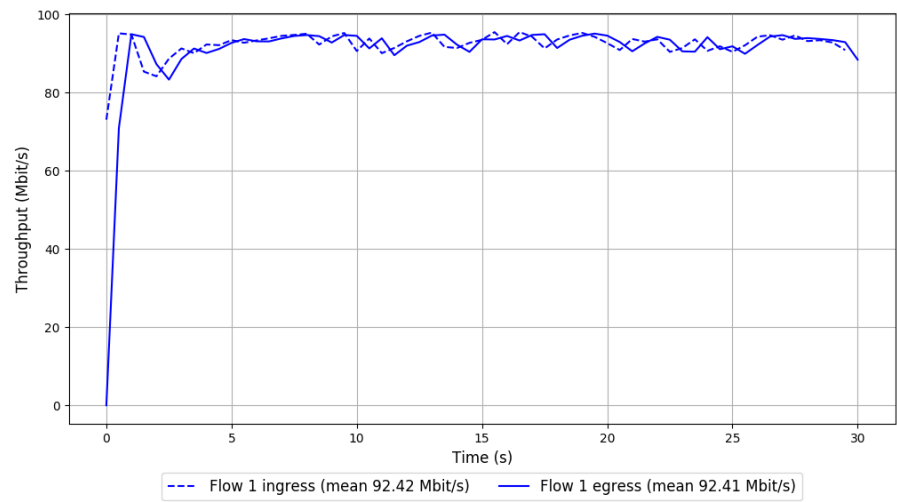
-- Flow 1:

Average throughput: 92.41 Mbit/s

95th percentile per-packet one-way delay: 15.163 ms

Loss rate: 0.08%

Run 3: Report of Copa — Data Link

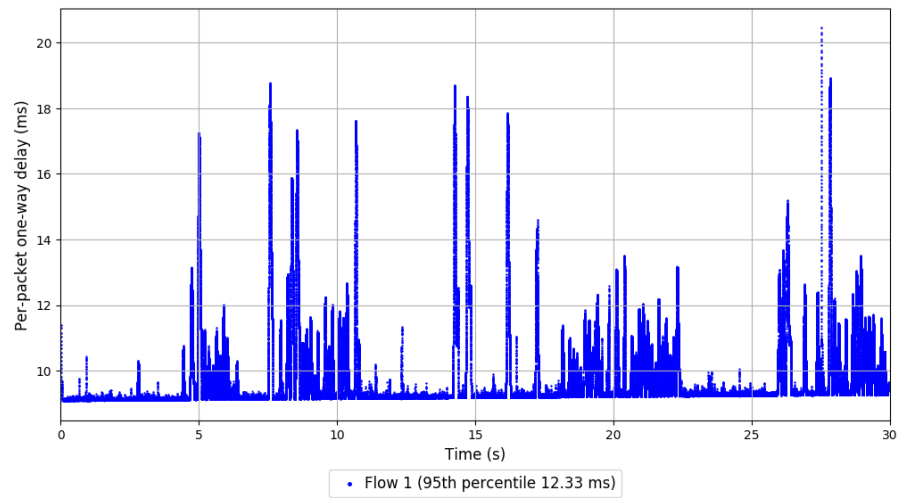
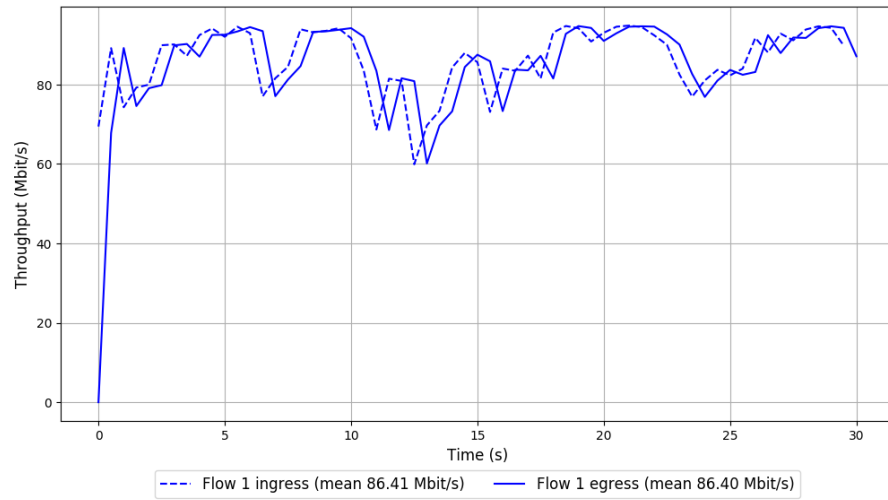


Run 4: Statistics of Copa

Start at: 2018-05-25 02:25:09
End at: 2018-05-25 02:25:39
Local clock offset: -0.707 ms
Remote clock offset: 3.436 ms

Below is generated by plot.py at 2018-05-25 04:34:15
Datalink statistics
-- Total of 1 flow:
Average throughput: 86.40 Mbit/s
95th percentile per-packet one-way delay: 12.330 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 86.40 Mbit/s
95th percentile per-packet one-way delay: 12.330 ms
Loss rate: 0.09%

Run 4: Report of Copa — Data Link



Run 5: Statistics of Copa

Start at: 2018-05-25 02:43:40

End at: 2018-05-25 02:44:10

Local clock offset: 1.639 ms

Remote clock offset: 7.962 ms

Below is generated by plot.py at 2018-05-25 04:34:15

Datalink statistics

-- Total of 1 flow:

Average throughput: 86.87 Mbit/s

95th percentile per-packet one-way delay: 14.755 ms

Loss rate: 0.08%

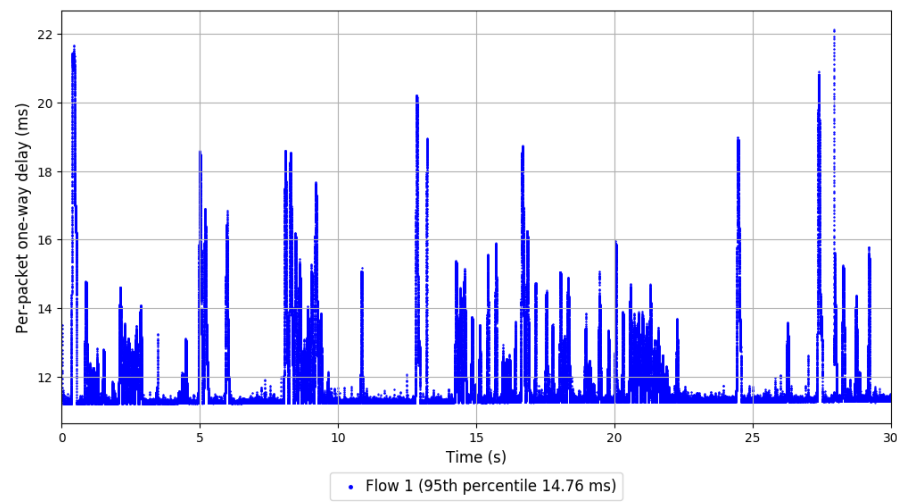
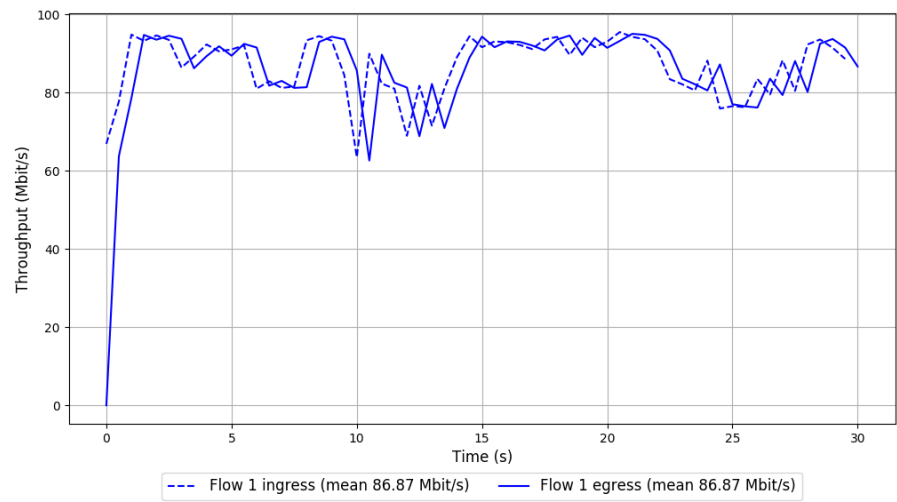
-- Flow 1:

Average throughput: 86.87 Mbit/s

95th percentile per-packet one-way delay: 14.755 ms

Loss rate: 0.08%

Run 5: Report of Copa — Data Link



Run 6: Statistics of Copa

Start at: 2018-05-25 03:02:09

End at: 2018-05-25 03:02:39

Local clock offset: 3.513 ms

Remote clock offset: 2.759 ms

Below is generated by plot.py at 2018-05-25 04:34:15

Datalink statistics

-- Total of 1 flow:

Average throughput: 84.44 Mbit/s

95th percentile per-packet one-way delay: 15.512 ms

Loss rate: 0.07%

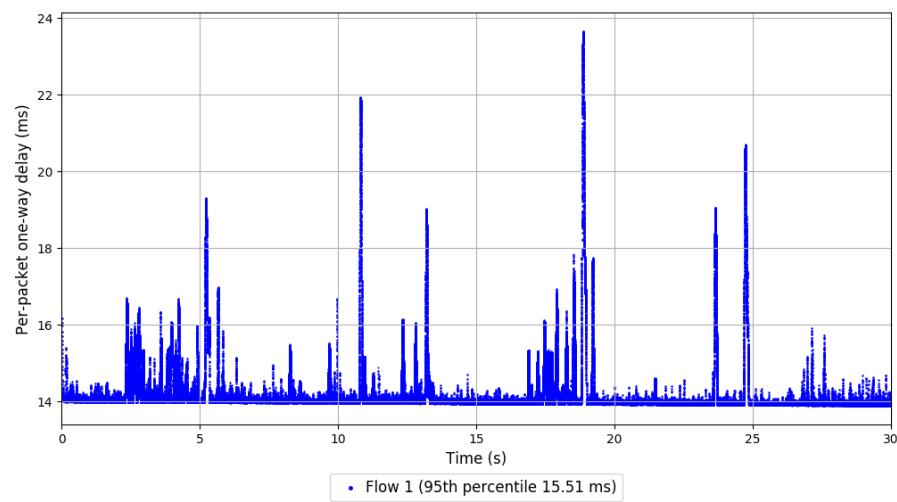
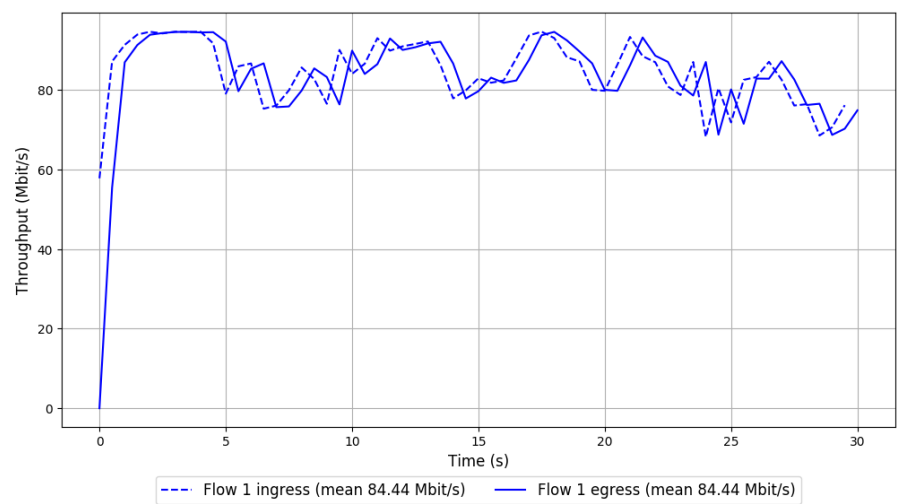
-- Flow 1:

Average throughput: 84.44 Mbit/s

95th percentile per-packet one-way delay: 15.512 ms

Loss rate: 0.07%

Run 6: Report of Copa — Data Link



Run 7: Statistics of Copa

Start at: 2018-05-25 03:20:35

End at: 2018-05-25 03:21:05

Local clock offset: 5.066 ms

Remote clock offset: 3.849 ms

Below is generated by plot.py at 2018-05-25 04:35:26

Datalink statistics

-- Total of 1 flow:

Average throughput: 88.47 Mbit/s

95th percentile per-packet one-way delay: 16.046 ms

Loss rate: 0.07%

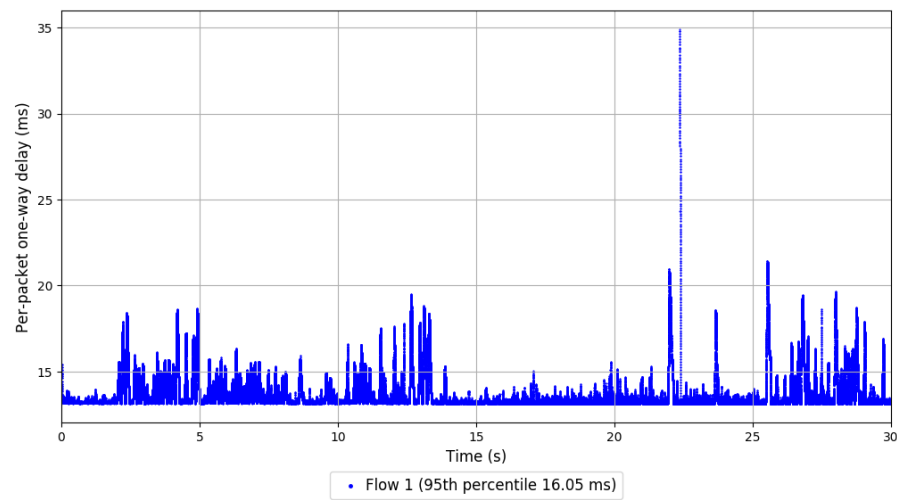
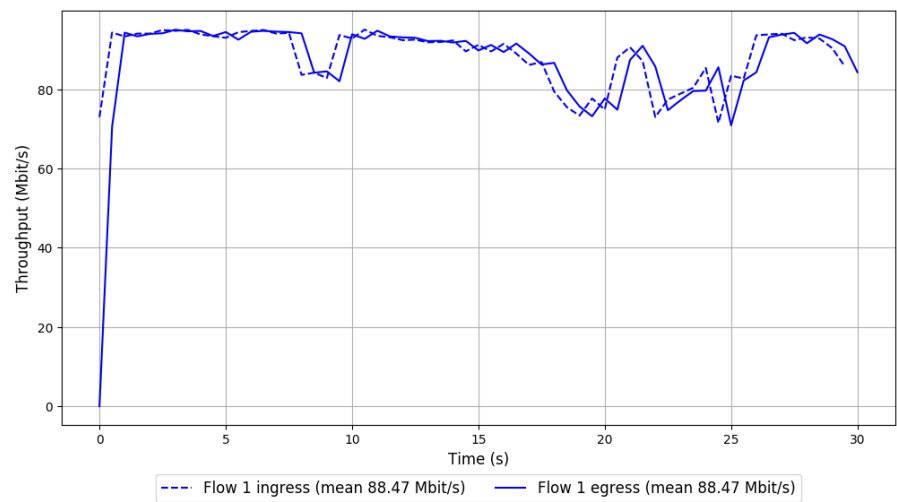
-- Flow 1:

Average throughput: 88.47 Mbit/s

95th percentile per-packet one-way delay: 16.046 ms

Loss rate: 0.07%

Run 7: Report of Copa — Data Link



Run 8: Statistics of Copa

Start at: 2018-05-25 03:39:17

End at: 2018-05-25 03:39:47

Local clock offset: 0.485 ms

Remote clock offset: 2.046 ms

Below is generated by plot.py at 2018-05-25 04:35:26

Datalink statistics

-- Total of 1 flow:

Average throughput: 83.81 Mbit/s

95th percentile per-packet one-way delay: 10.794 ms

Loss rate: 0.08%

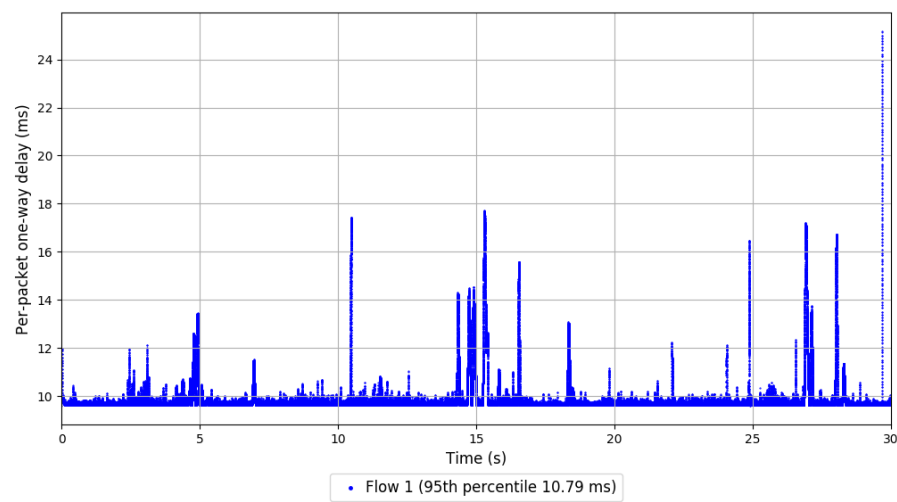
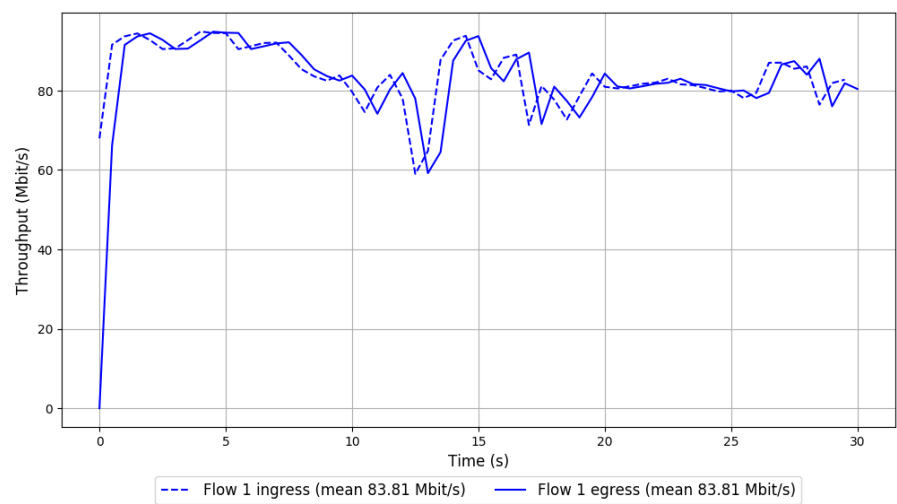
-- Flow 1:

Average throughput: 83.81 Mbit/s

95th percentile per-packet one-way delay: 10.794 ms

Loss rate: 0.08%

Run 8: Report of Copa — Data Link



Run 9: Statistics of Copa

Start at: 2018-05-25 03:57:34

End at: 2018-05-25 03:58:04

Local clock offset: 2.114 ms

Remote clock offset: 1.169 ms

Below is generated by plot.py at 2018-05-25 04:36:02

Datalink statistics

-- Total of 1 flow:

Average throughput: 82.94 Mbit/s

95th percentile per-packet one-way delay: 14.236 ms

Loss rate: 0.08%

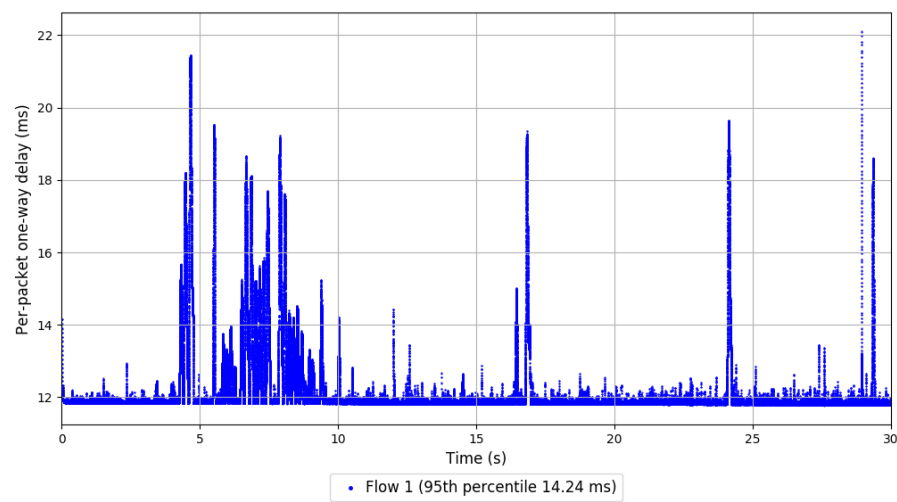
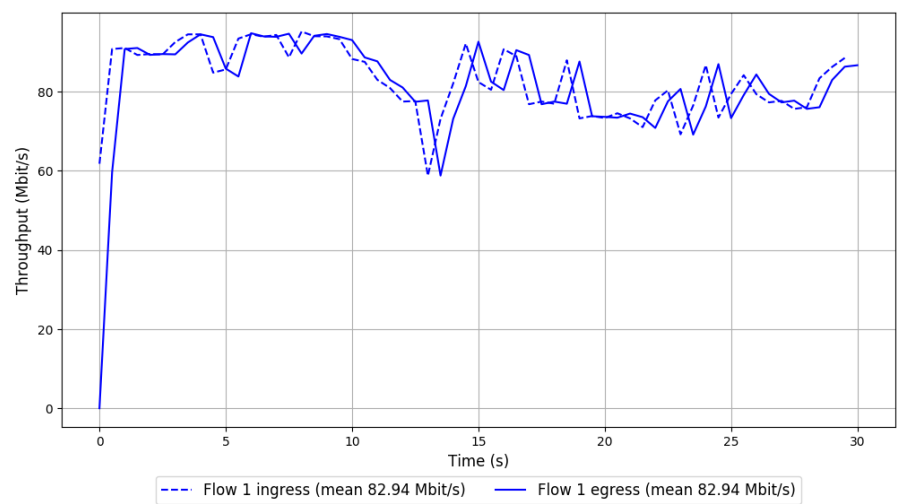
-- Flow 1:

Average throughput: 82.94 Mbit/s

95th percentile per-packet one-way delay: 14.236 ms

Loss rate: 0.08%

Run 9: Report of Copa — Data Link



Run 10: Statistics of Copa

Start at: 2018-05-25 04:15:43

End at: 2018-05-25 04:16:13

Local clock offset: 3.78 ms

Remote clock offset: -0.252 ms

Below is generated by plot.py at 2018-05-25 04:36:11

Datalink statistics

-- Total of 1 flow:

Average throughput: 86.26 Mbit/s

95th percentile per-packet one-way delay: 16.549 ms

Loss rate: 0.09%

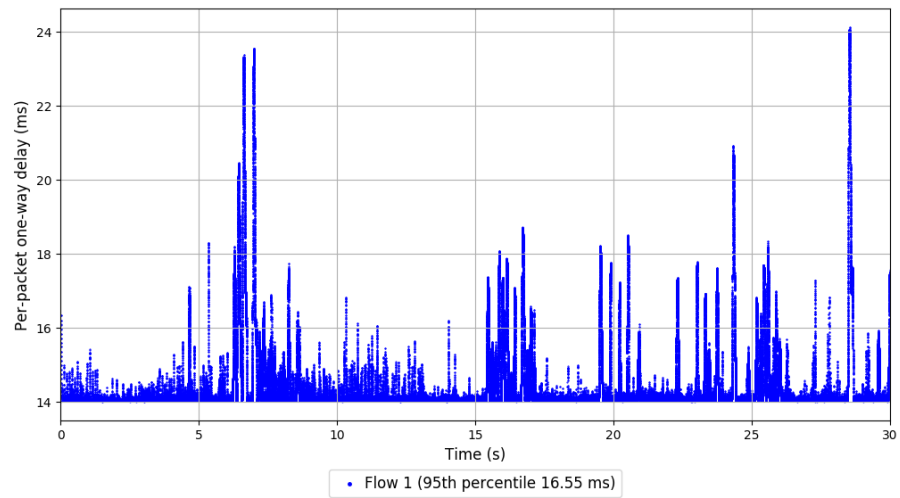
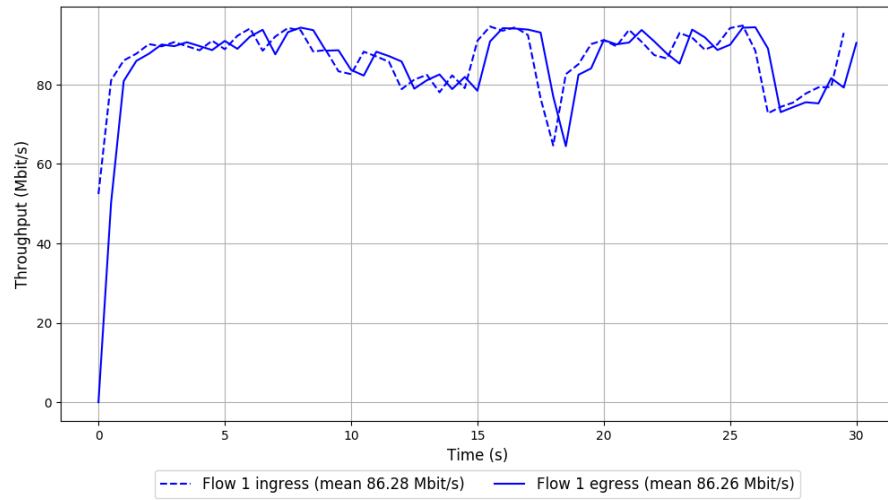
-- Flow 1:

Average throughput: 86.26 Mbit/s

95th percentile per-packet one-way delay: 16.549 ms

Loss rate: 0.09%

Run 10: Report of Copa — Data Link



Run 1: Statistics of TCP Cubic

Start at: 2018-05-25 01:35:47

End at: 2018-05-25 01:36:17

Local clock offset: 3.282 ms

Remote clock offset: 7.445 ms

Below is generated by plot.py at 2018-05-25 04:36:11

Datalink statistics

-- Total of 1 flow:

Average throughput: 94.94 Mbit/s

95th percentile per-packet one-way delay: 19.785 ms

Loss rate: 0.10%

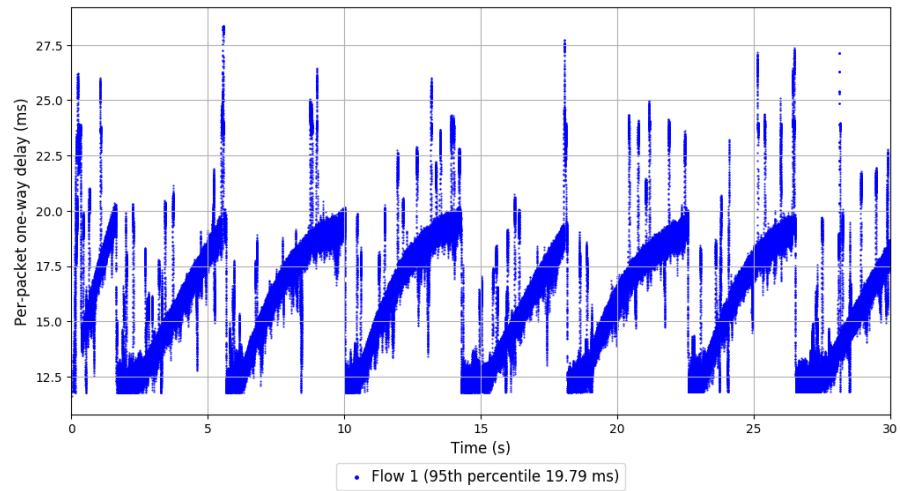
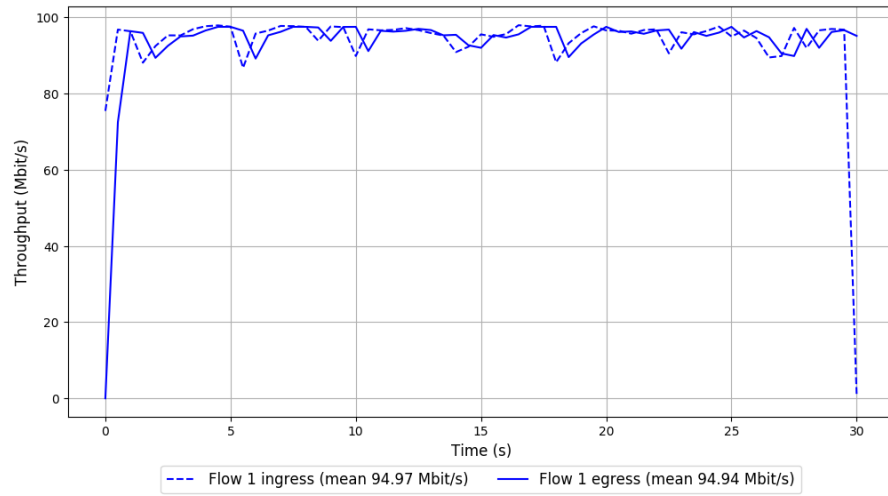
-- Flow 1:

Average throughput: 94.94 Mbit/s

95th percentile per-packet one-way delay: 19.785 ms

Loss rate: 0.10%

Run 1: Report of TCP Cubic — Data Link

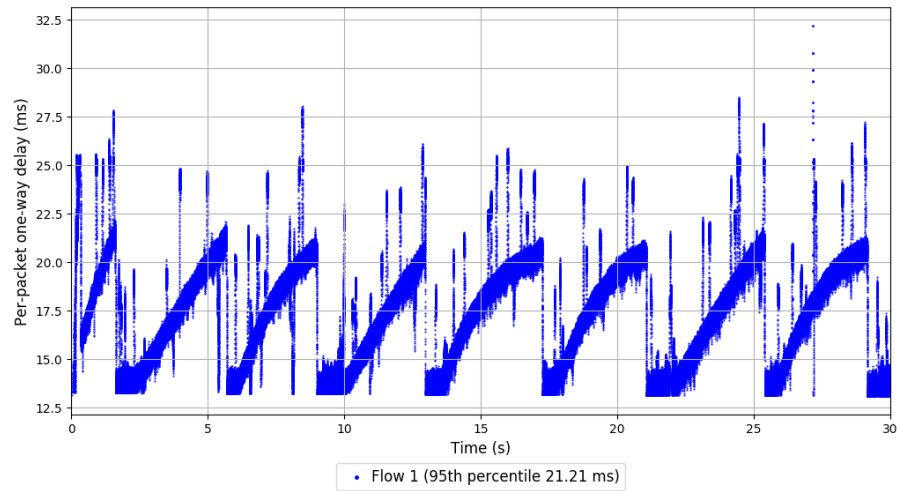
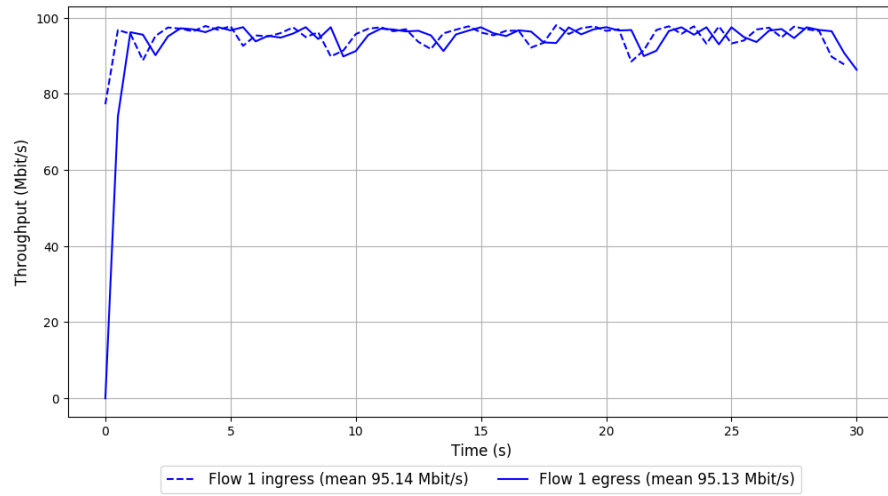


Run 2: Statistics of TCP Cubic

Start at: 2018-05-25 01:54:10
End at: 2018-05-25 01:54:40
Local clock offset: 3.549 ms
Remote clock offset: -2.663 ms

Below is generated by plot.py at 2018-05-25 04:36:11
Datalink statistics
-- Total of 1 flow:
Average throughput: 95.13 Mbit/s
95th percentile per-packet one-way delay: 21.214 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 95.13 Mbit/s
95th percentile per-packet one-way delay: 21.214 ms
Loss rate: 0.08%

Run 2: Report of TCP Cubic — Data Link

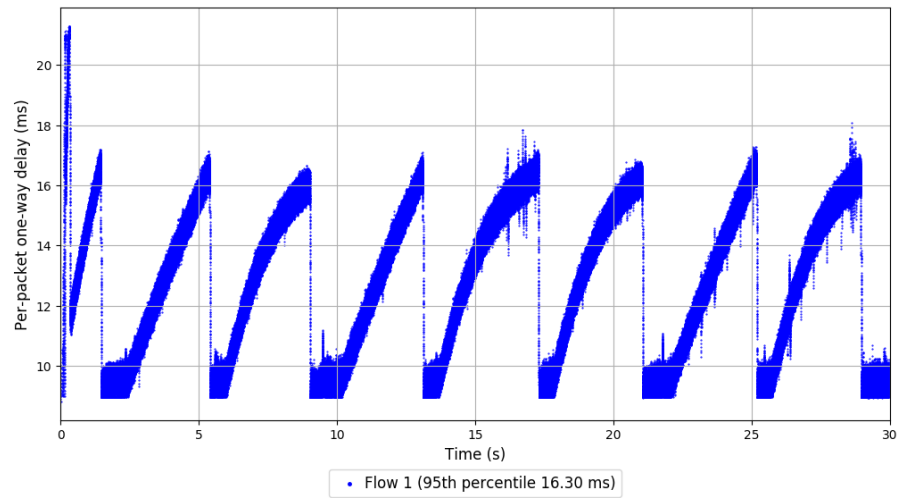
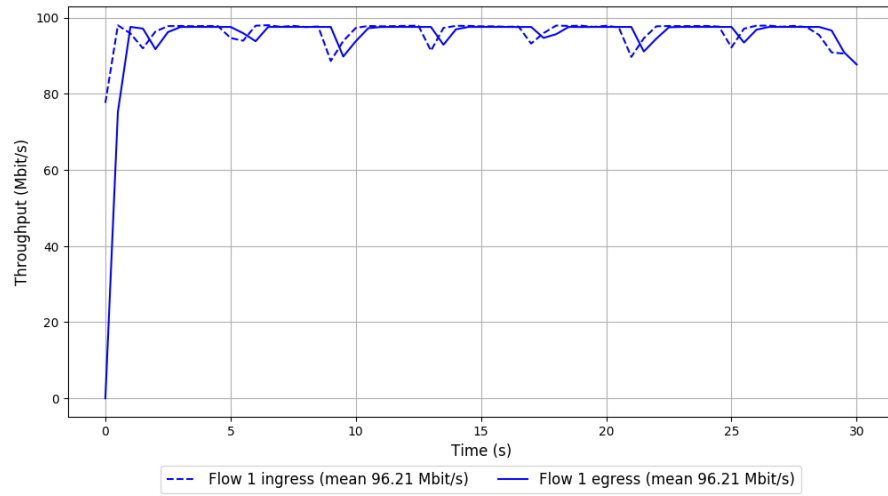


Run 3: Statistics of TCP Cubic

Start at: 2018-05-25 02:12:29
End at: 2018-05-25 02:12:59
Local clock offset: -1.362 ms
Remote clock offset: -3.851 ms

Below is generated by plot.py at 2018-05-25 04:36:11
Datalink statistics
-- Total of 1 flow:
Average throughput: 96.21 Mbit/s
95th percentile per-packet one-way delay: 16.298 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 96.21 Mbit/s
95th percentile per-packet one-way delay: 16.298 ms
Loss rate: 0.08%

Run 3: Report of TCP Cubic — Data Link



Run 4: Statistics of TCP Cubic

Start at: 2018-05-25 02:30:46

End at: 2018-05-25 02:31:16

Local clock offset: 2.71 ms

Remote clock offset: 4.052 ms

Below is generated by plot.py at 2018-05-25 04:36:11

Datalink statistics

-- Total of 1 flow:

Average throughput: 96.39 Mbit/s

95th percentile per-packet one-way delay: 21.299 ms

Loss rate: 0.09%

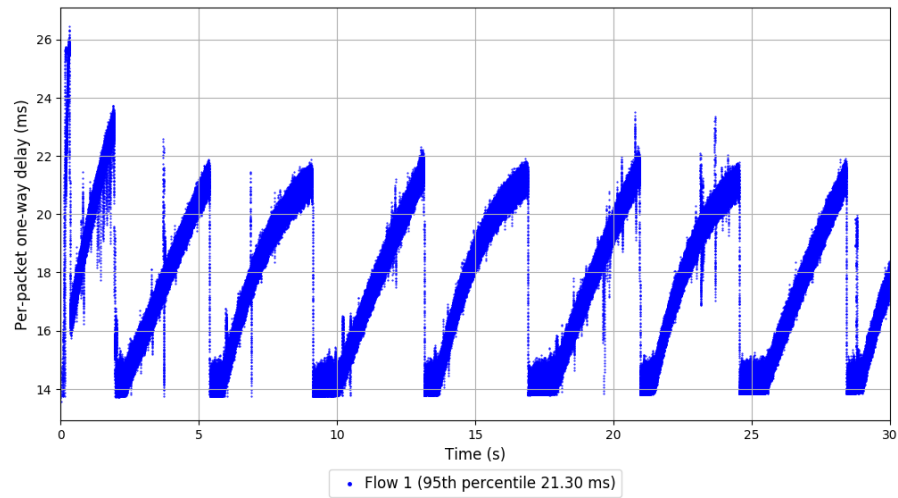
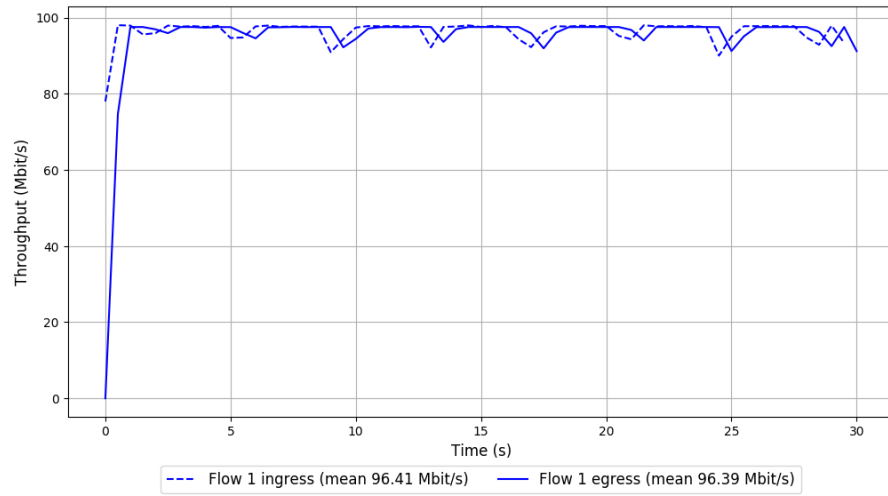
-- Flow 1:

Average throughput: 96.39 Mbit/s

95th percentile per-packet one-way delay: 21.299 ms

Loss rate: 0.09%

Run 4: Report of TCP Cubic — Data Link



Run 5: Statistics of TCP Cubic

Start at: 2018-05-25 02:49:21

End at: 2018-05-25 02:49:51

Local clock offset: 2.43 ms

Remote clock offset: 8.77 ms

Below is generated by plot.py at 2018-05-25 04:36:45

Datalink statistics

-- Total of 1 flow:

Average throughput: 96.39 Mbit/s

95th percentile per-packet one-way delay: 19.180 ms

Loss rate: 0.10%

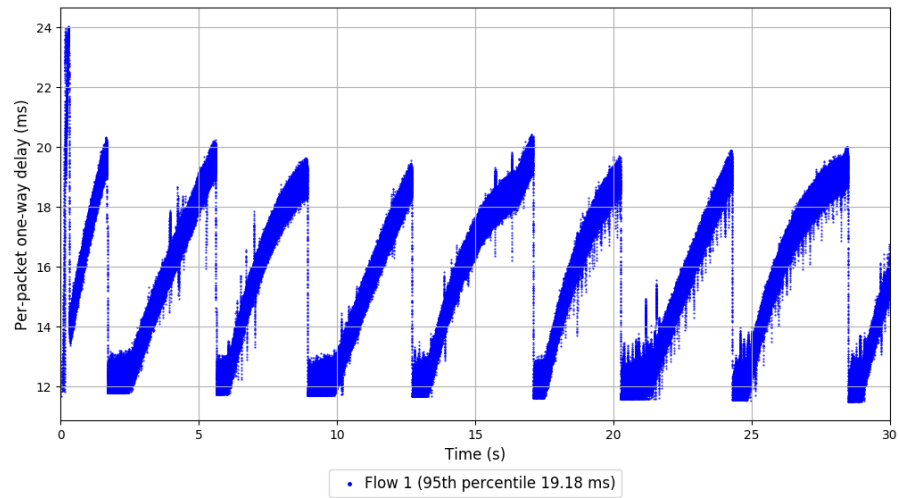
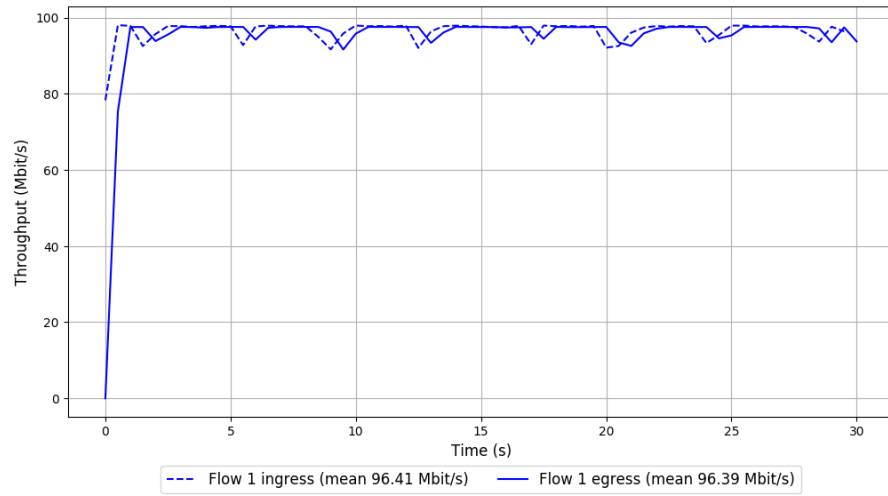
-- Flow 1:

Average throughput: 96.39 Mbit/s

95th percentile per-packet one-way delay: 19.180 ms

Loss rate: 0.10%

Run 5: Report of TCP Cubic — Data Link



Run 6: Statistics of TCP Cubic

Start at: 2018-05-25 03:07:48

End at: 2018-05-25 03:08:18

Local clock offset: 1.476 ms

Remote clock offset: 4.332 ms

Below is generated by plot.py at 2018-05-25 04:36:46

Datalink statistics

-- Total of 1 flow:

Average throughput: 96.24 Mbit/s

95th percentile per-packet one-way delay: 16.985 ms

Loss rate: 0.09%

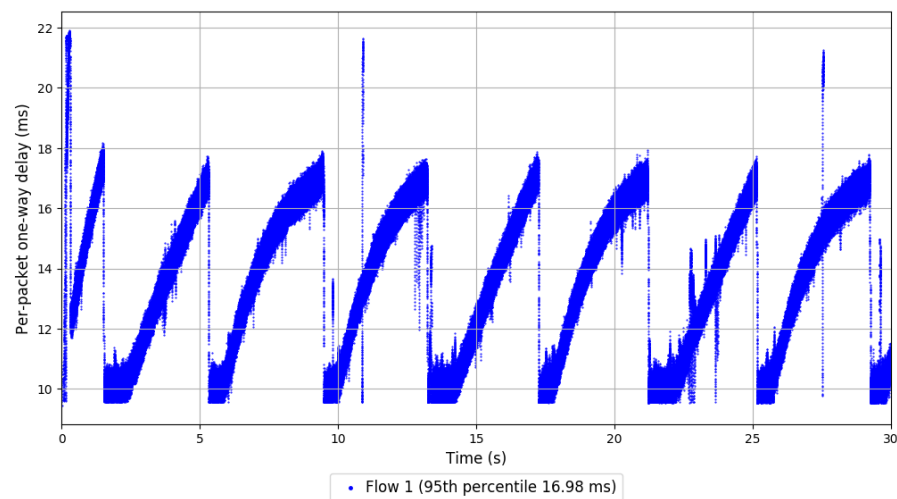
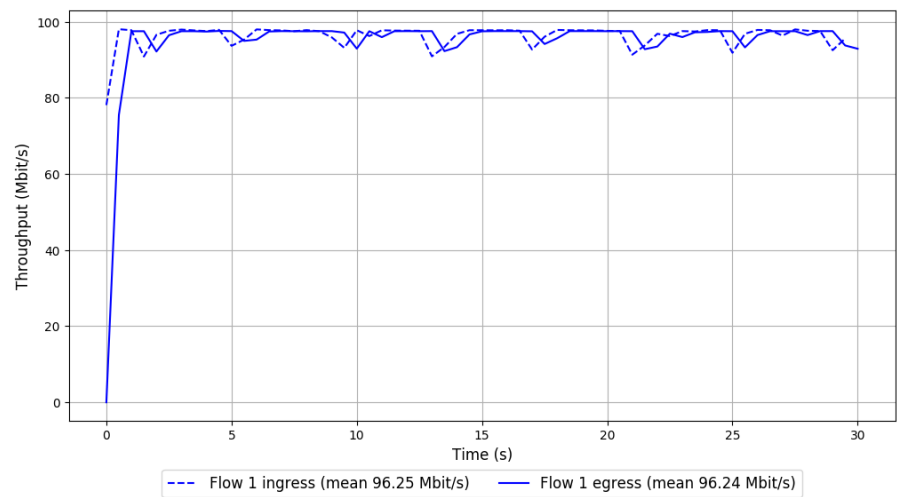
-- Flow 1:

Average throughput: 96.24 Mbit/s

95th percentile per-packet one-way delay: 16.985 ms

Loss rate: 0.09%

Run 6: Report of TCP Cubic — Data Link

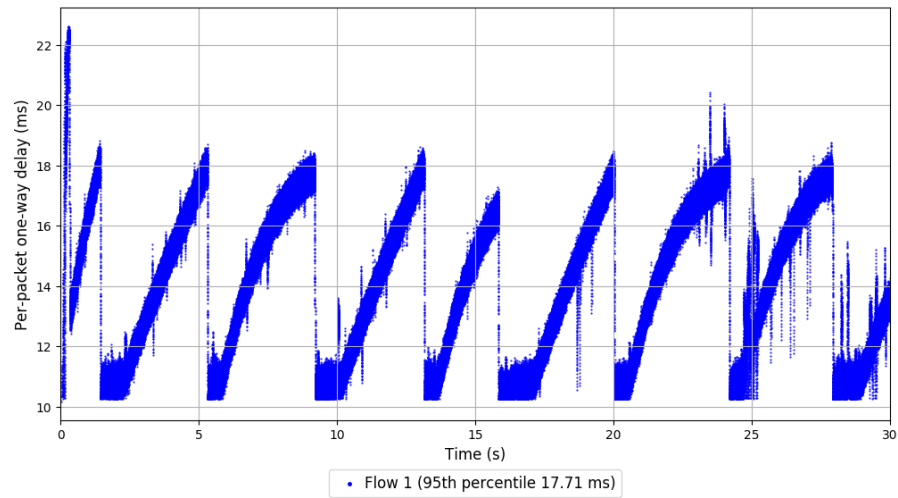
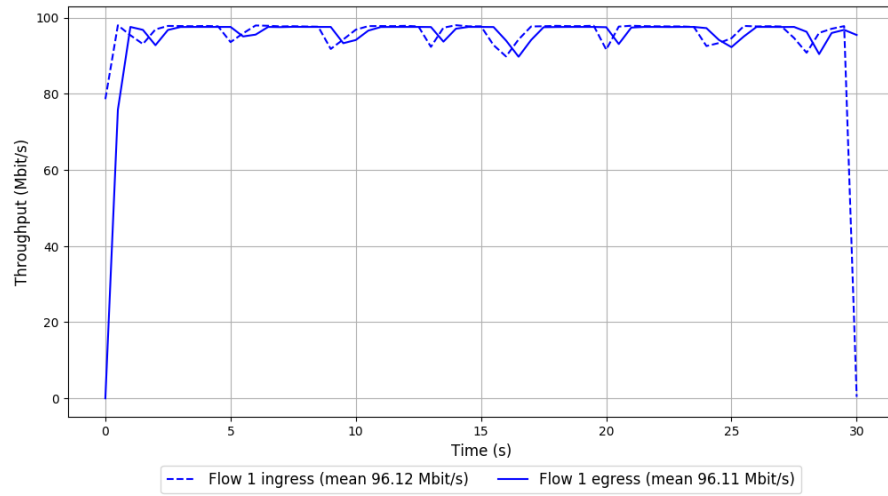


Run 7: Statistics of TCP Cubic

Start at: 2018-05-25 03:26:20
End at: 2018-05-25 03:26:50
Local clock offset: -4.751 ms
Remote clock offset: -3.729 ms

Below is generated by plot.py at 2018-05-25 04:36:48
Datalink statistics
-- Total of 1 flow:
Average throughput: 96.11 Mbit/s
95th percentile per-packet one-way delay: 17.711 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 96.11 Mbit/s
95th percentile per-packet one-way delay: 17.711 ms
Loss rate: 0.09%

Run 7: Report of TCP Cubic — Data Link



Run 8: Statistics of TCP Cubic

Start at: 2018-05-25 03:44:59

End at: 2018-05-25 03:45:29

Local clock offset: 0.215 ms

Remote clock offset: 0.861 ms

Below is generated by plot.py at 2018-05-25 04:36:49

Datalink statistics

-- Total of 1 flow:

Average throughput: 95.64 Mbit/s

95th percentile per-packet one-way delay: 17.923 ms

Loss rate: 0.09%

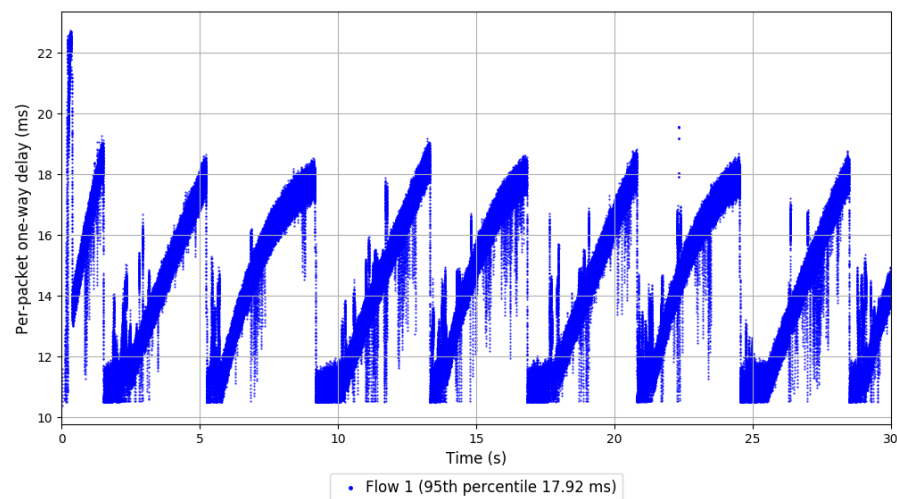
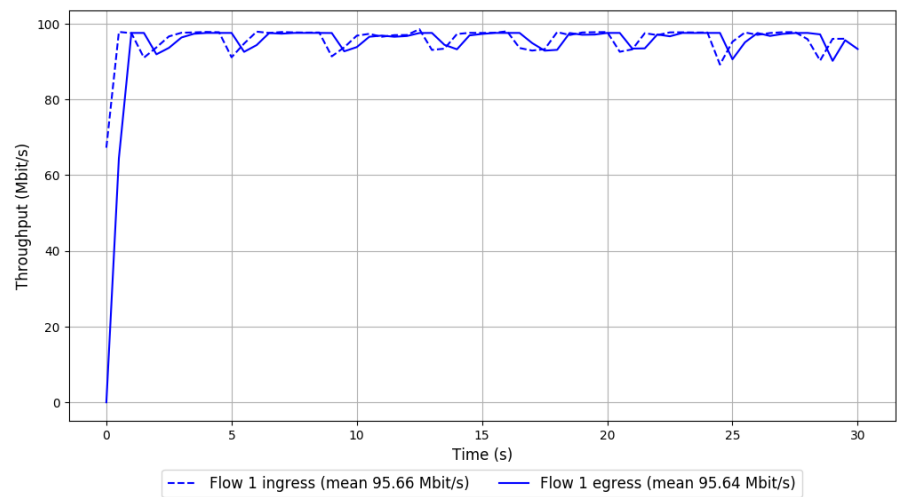
-- Flow 1:

Average throughput: 95.64 Mbit/s

95th percentile per-packet one-way delay: 17.923 ms

Loss rate: 0.09%

Run 8: Report of TCP Cubic — Data Link



Run 9: Statistics of TCP Cubic

Start at: 2018-05-25 04:03:09

End at: 2018-05-25 04:03:39

Local clock offset: 1.09 ms

Remote clock offset: 0.662 ms

Below is generated by plot.py at 2018-05-25 04:36:50

Datalink statistics

-- Total of 1 flow:

Average throughput: 95.76 Mbit/s

95th percentile per-packet one-way delay: 18.302 ms

Loss rate: 0.09%

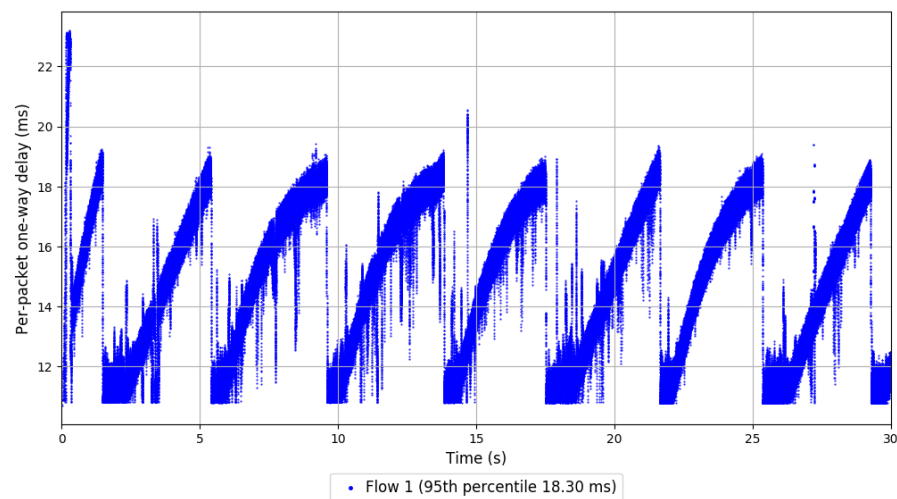
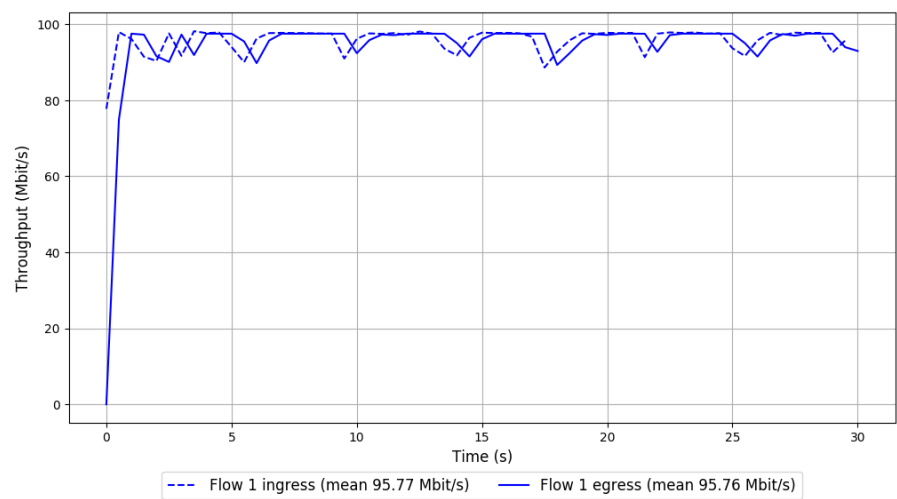
-- Flow 1:

Average throughput: 95.76 Mbit/s

95th percentile per-packet one-way delay: 18.302 ms

Loss rate: 0.09%

Run 9: Report of TCP Cubic — Data Link



Run 10: Statistics of TCP Cubic

Start at: 2018-05-25 04:21:36

End at: 2018-05-25 04:22:06

Local clock offset: 2.367 ms

Remote clock offset: 0.276 ms

Below is generated by plot.py at 2018-05-25 04:36:59

Datalink statistics

-- Total of 1 flow:

Average throughput: 96.05 Mbit/s

95th percentile per-packet one-way delay: 19.540 ms

Loss rate: 0.09%

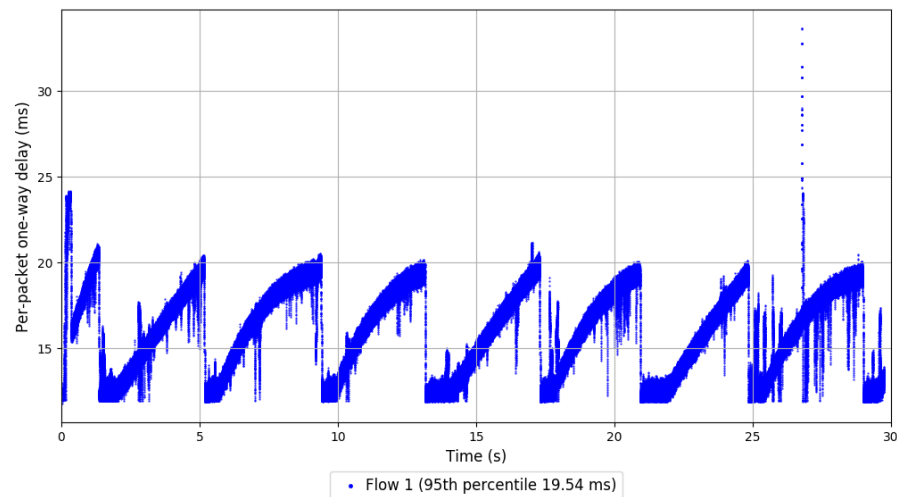
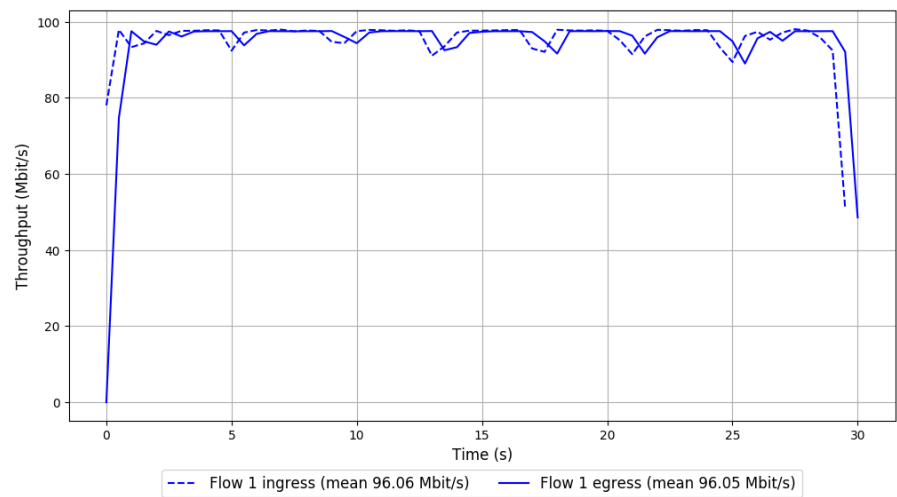
-- Flow 1:

Average throughput: 96.05 Mbit/s

95th percentile per-packet one-way delay: 19.540 ms

Loss rate: 0.09%

Run 10: Report of TCP Cubic — Data Link



Run 1: Statistics of FillP

Start at: 2018-05-25 01:31:24

End at: 2018-05-25 01:31:54

Local clock offset: 2.573 ms

Remote clock offset: 4.949 ms

Below is generated by plot.py at 2018-05-25 04:37:37

Datalink statistics

-- Total of 1 flow:

Average throughput: 93.74 Mbit/s

95th percentile per-packet one-way delay: 23.754 ms

Loss rate: 0.11%

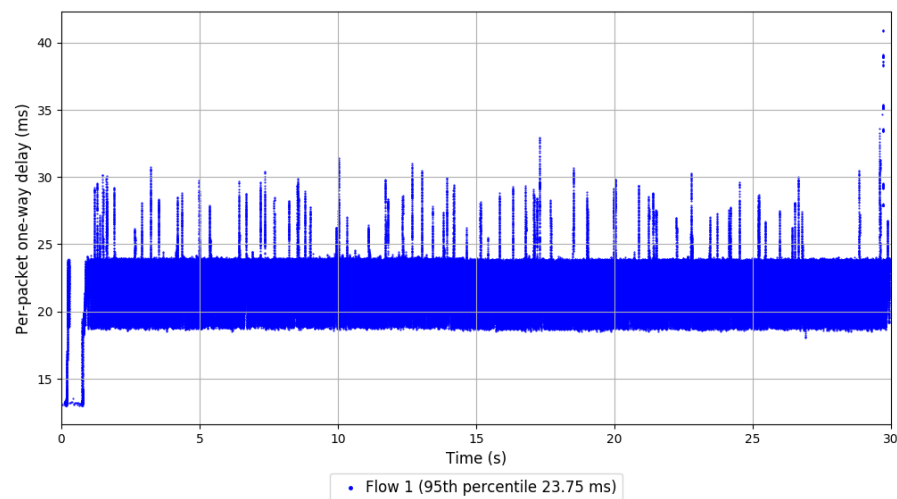
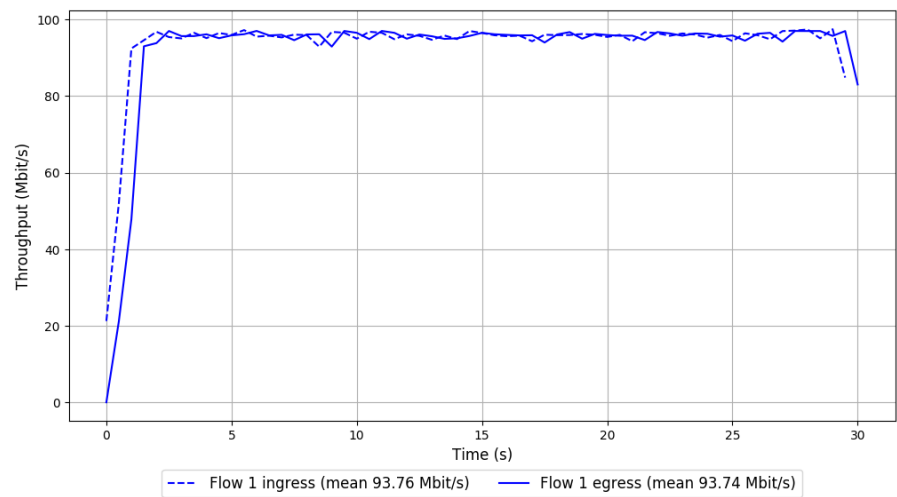
-- Flow 1:

Average throughput: 93.74 Mbit/s

95th percentile per-packet one-way delay: 23.754 ms

Loss rate: 0.11%

Run 1: Report of FillP — Data Link



Run 2: Statistics of FillP

Start at: 2018-05-25 01:49:48

End at: 2018-05-25 01:50:18

Local clock offset: 3.518 ms

Remote clock offset: 1.633 ms

Below is generated by plot.py at 2018-05-25 04:37:56

Datalink statistics

-- Total of 1 flow:

Average throughput: 94.06 Mbit/s

95th percentile per-packet one-way delay: 21.152 ms

Loss rate: 0.10%

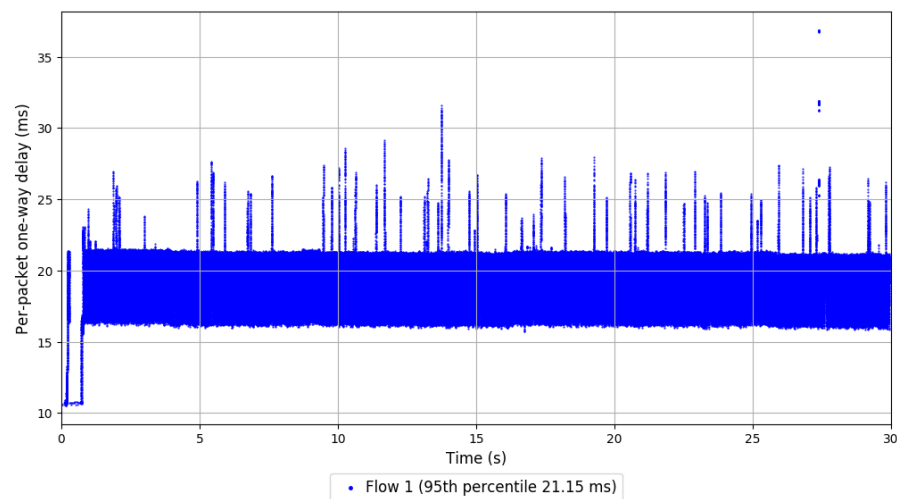
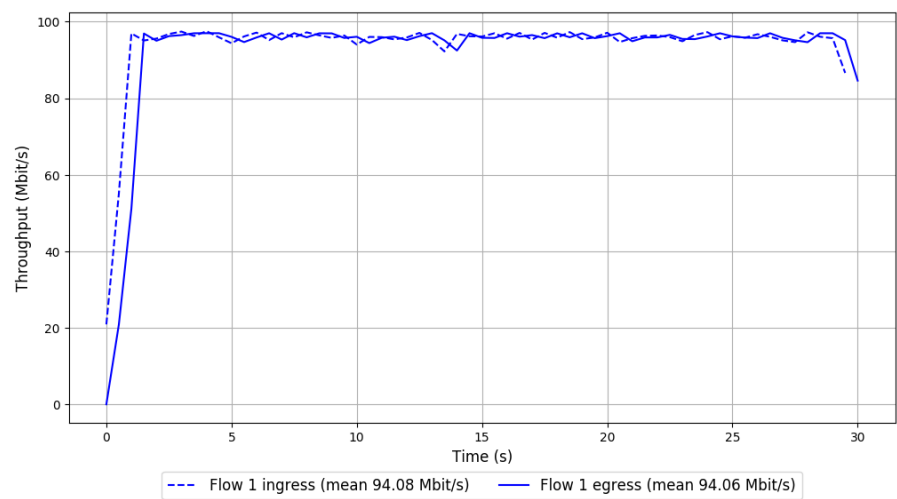
-- Flow 1:

Average throughput: 94.06 Mbit/s

95th percentile per-packet one-way delay: 21.152 ms

Loss rate: 0.10%

Run 2: Report of FillP — Data Link

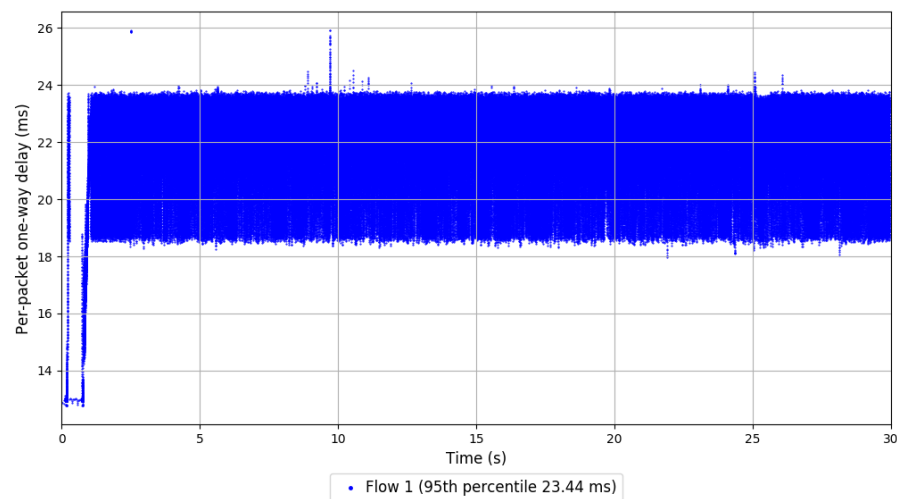
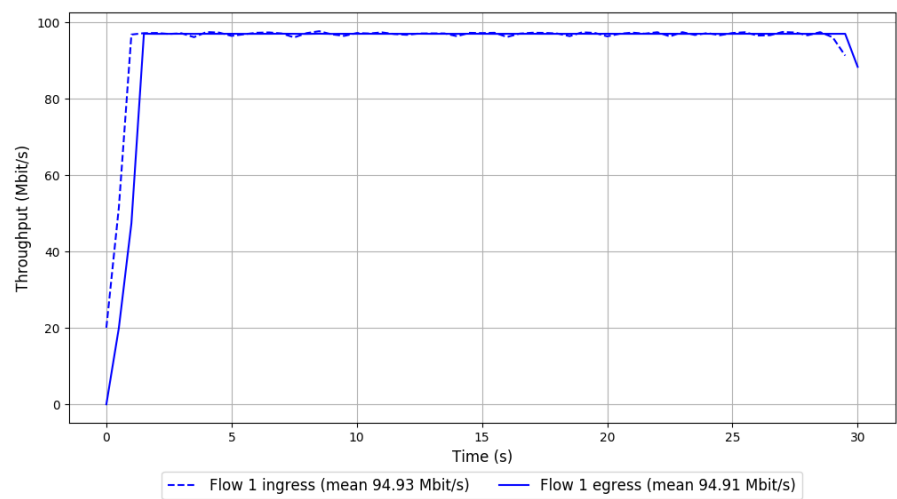


Run 3: Statistics of FillP

Start at: 2018-05-25 02:08:06
End at: 2018-05-25 02:08:36
Local clock offset: 1.237 ms
Remote clock offset: -5.192 ms

Below is generated by plot.py at 2018-05-25 04:38:22
Datalink statistics
-- Total of 1 flow:
Average throughput: 94.91 Mbit/s
95th percentile per-packet one-way delay: 23.440 ms
Loss rate: 0.12%
-- Flow 1:
Average throughput: 94.91 Mbit/s
95th percentile per-packet one-way delay: 23.440 ms
Loss rate: 0.12%

Run 3: Report of FillP — Data Link



Run 4: Statistics of FillP

Start at: 2018-05-25 02:26:23

End at: 2018-05-25 02:26:53

Local clock offset: -0.187 ms

Remote clock offset: 3.469 ms

Below is generated by plot.py at 2018-05-25 04:38:23

Datalink statistics

-- Total of 1 flow:

Average throughput: 95.02 Mbit/s

95th percentile per-packet one-way delay: 20.578 ms

Loss rate: 0.10%

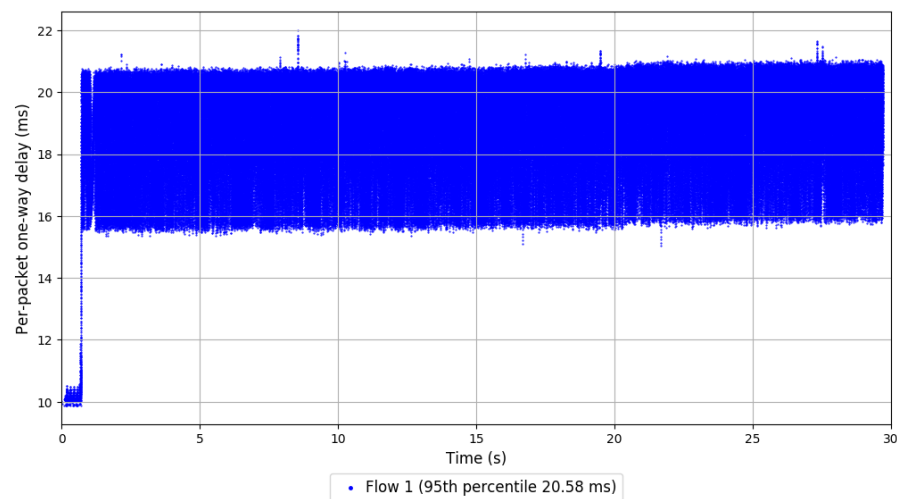
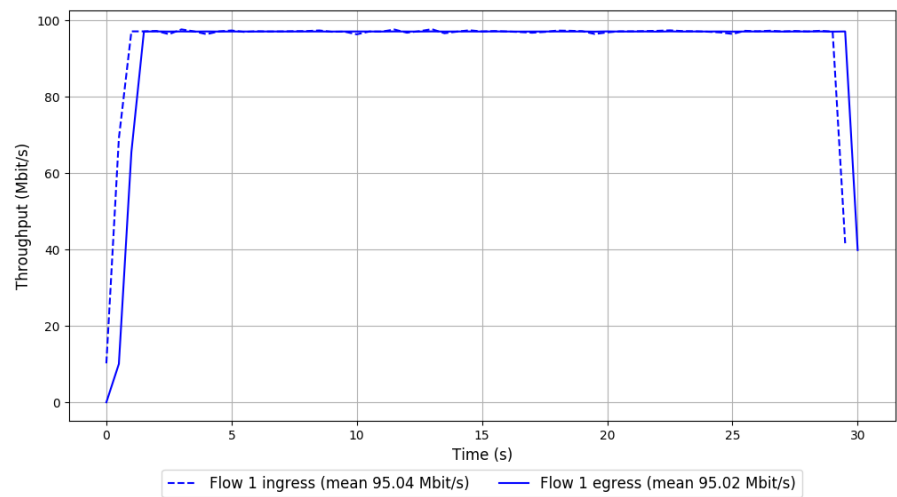
-- Flow 1:

Average throughput: 95.02 Mbit/s

95th percentile per-packet one-way delay: 20.578 ms

Loss rate: 0.10%

Run 4: Report of FillP — Data Link



Run 5: Statistics of FillP

Start at: 2018-05-25 02:44:53

End at: 2018-05-25 02:45:23

Local clock offset: -0.195 ms

Remote clock offset: 7.792 ms

Below is generated by plot.py at 2018-05-25 04:38:25

Datalink statistics

-- Total of 1 flow:

Average throughput: 95.02 Mbit/s

95th percentile per-packet one-way delay: 20.302 ms

Loss rate: 0.10%

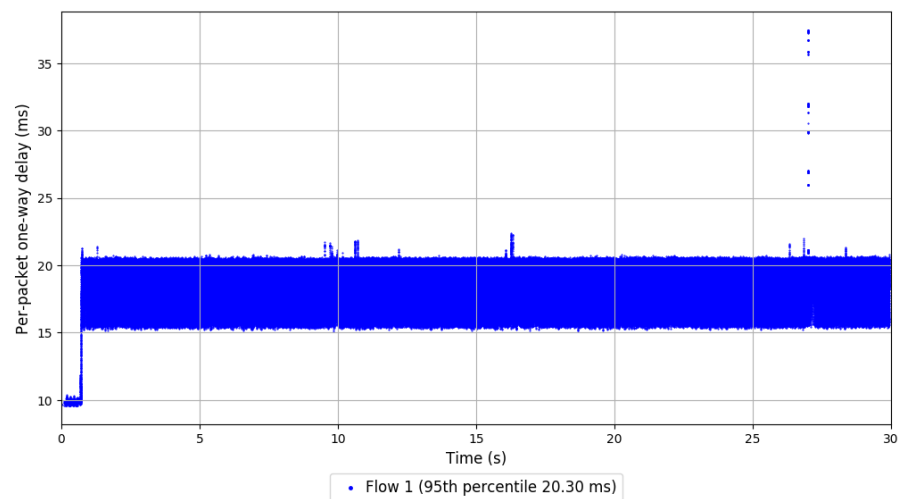
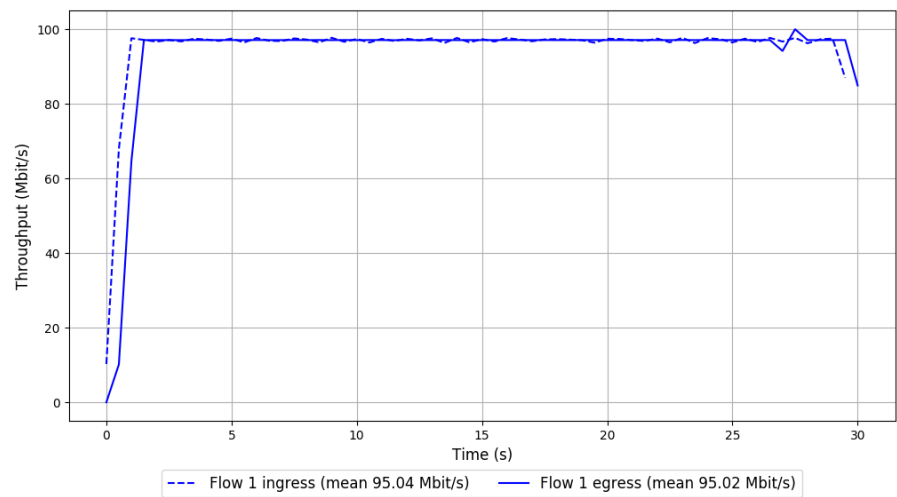
-- Flow 1:

Average throughput: 95.02 Mbit/s

95th percentile per-packet one-way delay: 20.302 ms

Loss rate: 0.10%

Run 5: Report of FillP — Data Link



Run 6: Statistics of FillP

Start at: 2018-05-25 03:03:24

End at: 2018-05-25 03:03:54

Local clock offset: 2.173 ms

Remote clock offset: 4.764 ms

Below is generated by plot.py at 2018-05-25 04:38:26

Datalink statistics

-- Total of 1 flow:

Average throughput: 94.84 Mbit/s

95th percentile per-packet one-way delay: 20.914 ms

Loss rate: 0.11%

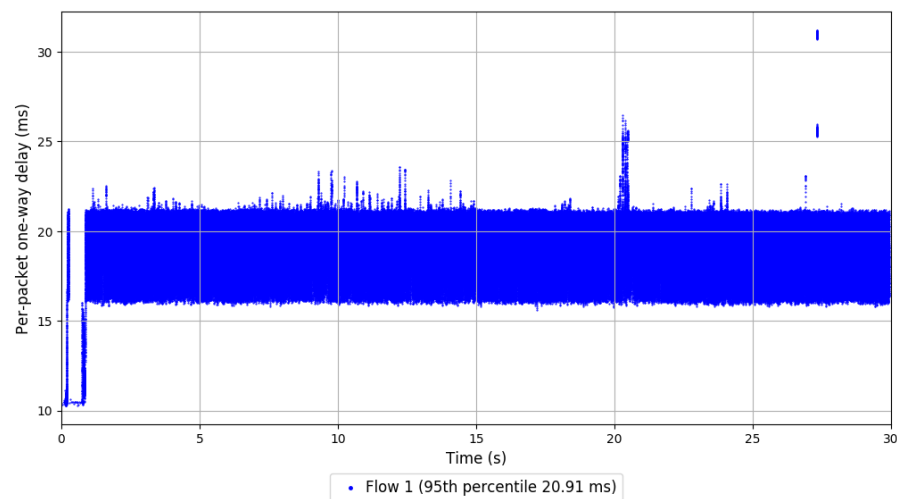
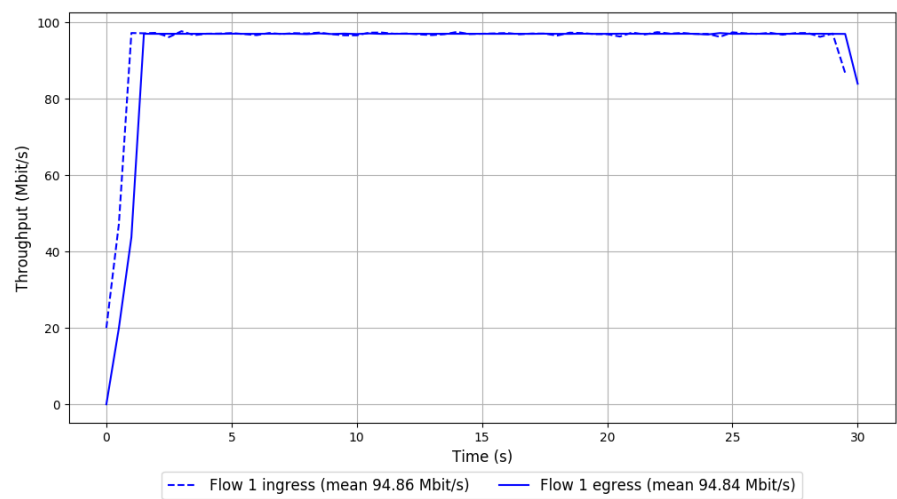
-- Flow 1:

Average throughput: 94.84 Mbit/s

95th percentile per-packet one-way delay: 20.914 ms

Loss rate: 0.11%

Run 6: Report of FillP — Data Link



Run 7: Statistics of FillP

Start at: 2018-05-25 03:21:50

End at: 2018-05-25 03:22:20

Local clock offset: 1.81 ms

Remote clock offset: 1.004 ms

Below is generated by plot.py at 2018-05-25 04:38:27

Datalink statistics

-- Total of 1 flow:

Average throughput: 94.85 Mbit/s

95th percentile per-packet one-way delay: 23.237 ms

Loss rate: 0.11%

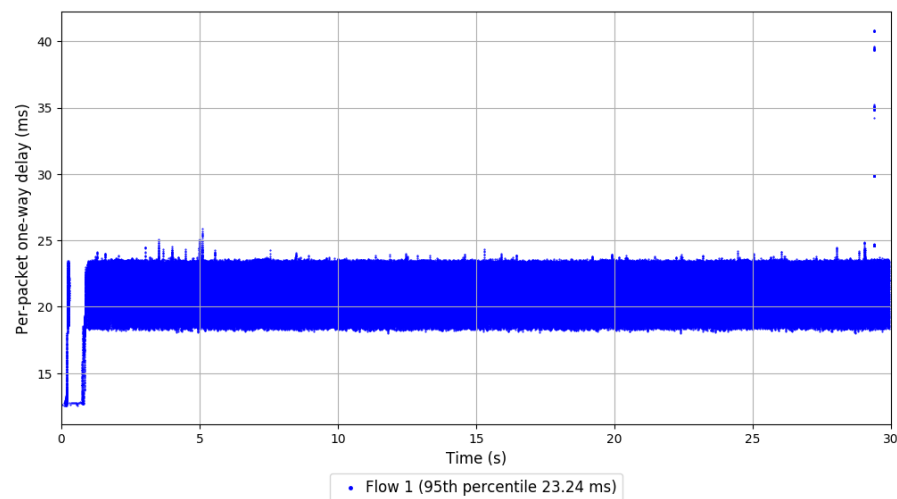
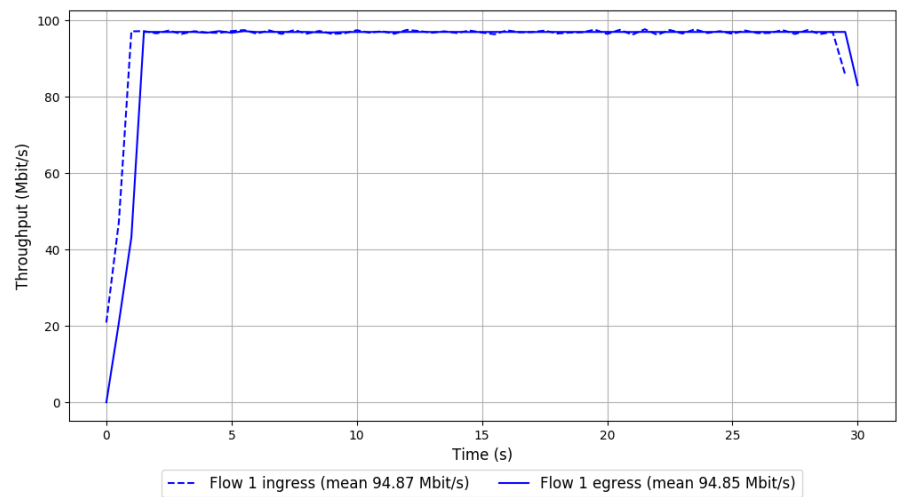
-- Flow 1:

Average throughput: 94.85 Mbit/s

95th percentile per-packet one-way delay: 23.237 ms

Loss rate: 0.11%

Run 7: Report of FillP — Data Link



Run 8: Statistics of FillP

Start at: 2018-05-25 03:40:33

End at: 2018-05-25 03:41:03

Local clock offset: 1.946 ms

Remote clock offset: 1.427 ms

Below is generated by plot.py at 2018-05-25 04:38:39

Datalink statistics

-- Total of 1 flow:

Average throughput: 94.99 Mbit/s

95th percentile per-packet one-way delay: 22.249 ms

Loss rate: 0.10%

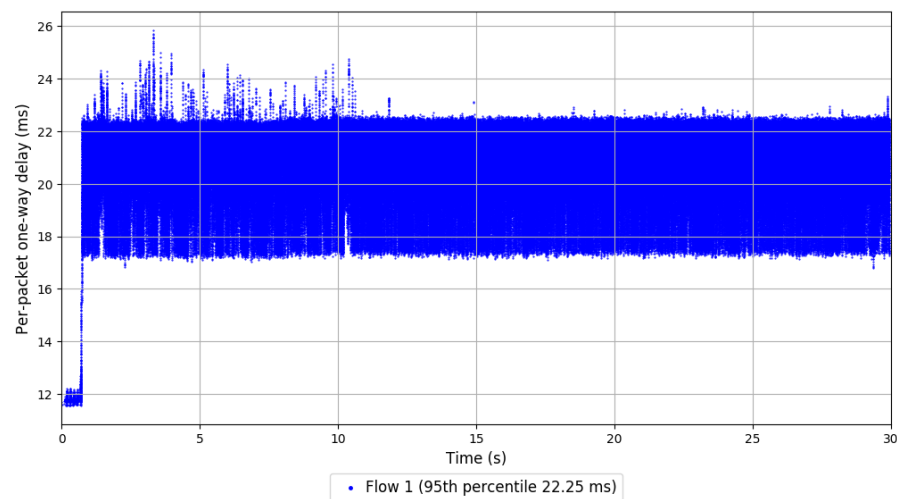
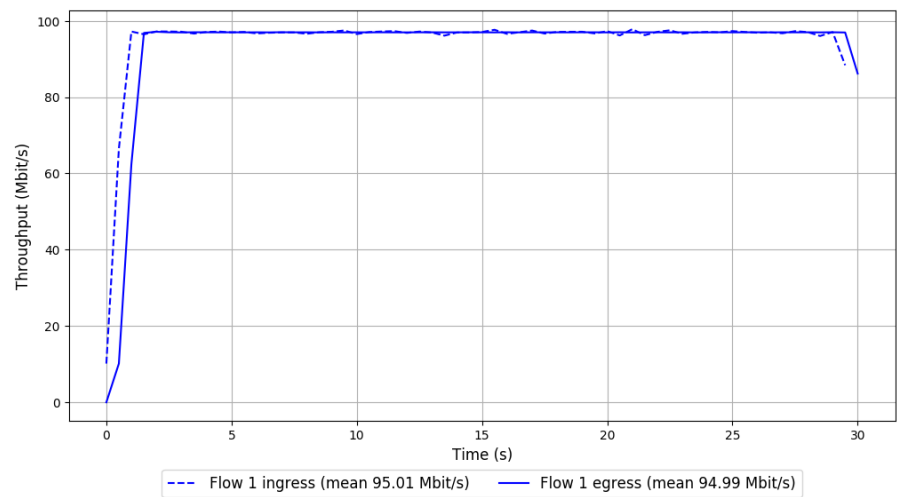
-- Flow 1:

Average throughput: 94.99 Mbit/s

95th percentile per-packet one-way delay: 22.249 ms

Loss rate: 0.10%

Run 8: Report of FillP — Data Link



Run 9: Statistics of FillP

Start at: 2018-05-25 03:58:47

End at: 2018-05-25 03:59:17

Local clock offset: 0.333 ms

Remote clock offset: 1.017 ms

Below is generated by plot.py at 2018-05-25 04:39:27

Datalink statistics

-- Total of 1 flow:

Average throughput: 94.99 Mbit/s

95th percentile per-packet one-way delay: 20.523 ms

Loss rate: 0.11%

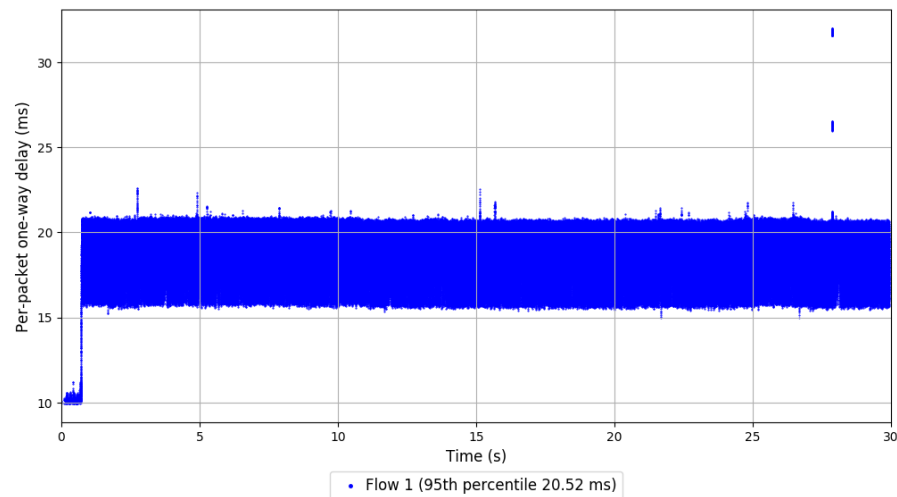
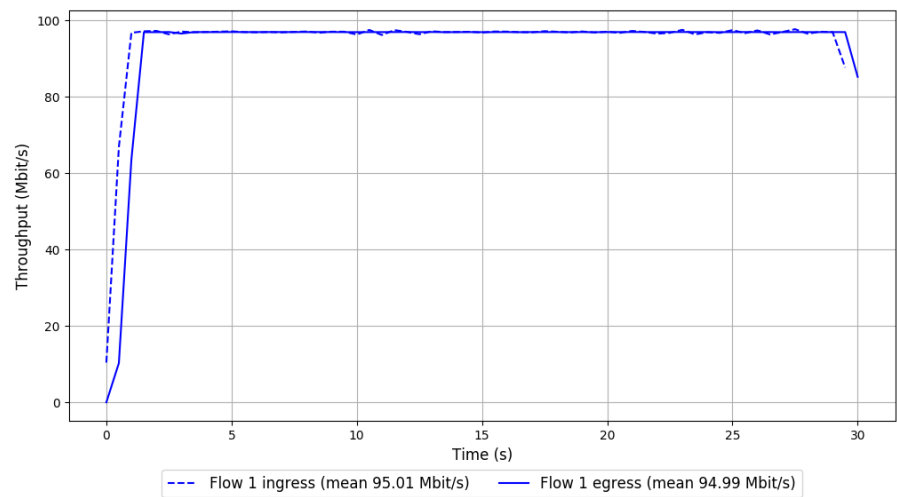
-- Flow 1:

Average throughput: 94.99 Mbit/s

95th percentile per-packet one-way delay: 20.523 ms

Loss rate: 0.11%

Run 9: Report of FillP — Data Link



Run 10: Statistics of FillP

Start at: 2018-05-25 04:17:01

End at: 2018-05-25 04:17:31

Local clock offset: 2.151 ms

Remote clock offset: 1.237 ms

Below is generated by plot.py at 2018-05-25 04:39:35

Datalink statistics

-- Total of 1 flow:

Average throughput: 94.96 Mbit/s

95th percentile per-packet one-way delay: 21.300 ms

Loss rate: 0.11%

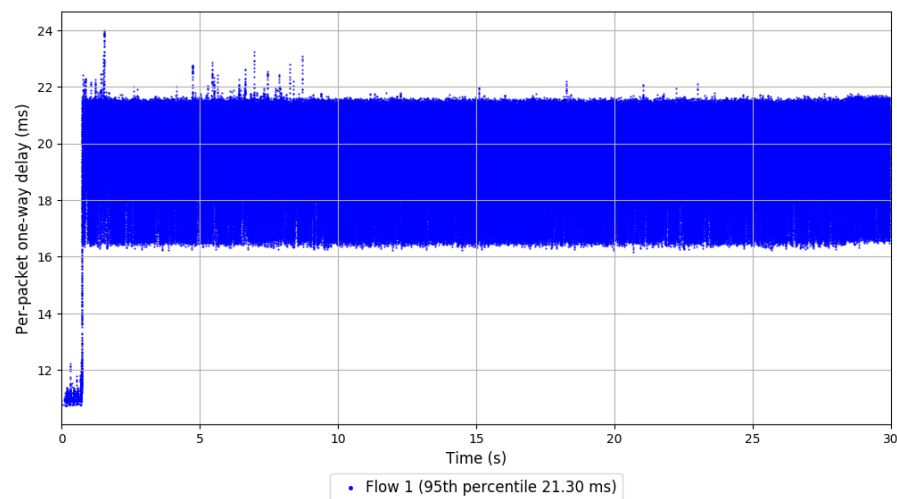
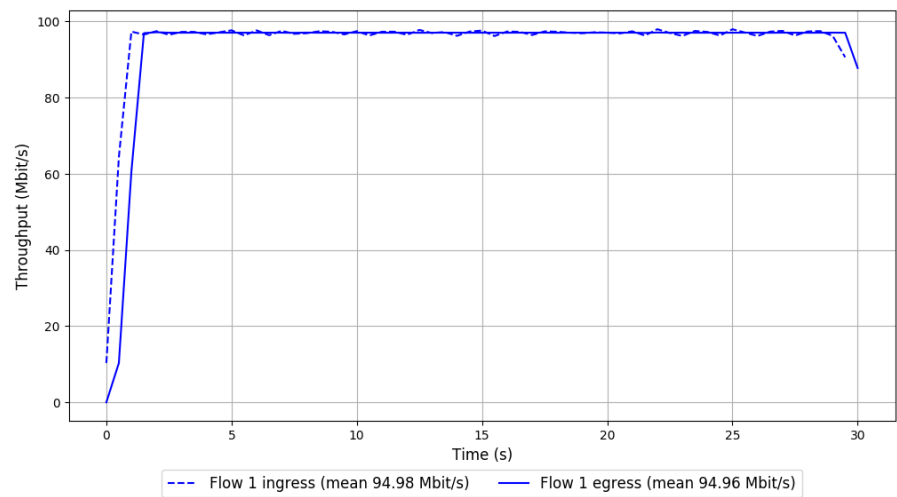
-- Flow 1:

Average throughput: 94.96 Mbit/s

95th percentile per-packet one-way delay: 21.300 ms

Loss rate: 0.11%

Run 10: Report of FillP — Data Link



Run 1: Statistics of Indigo

Start at: 2018-05-25 01:26:43

End at: 2018-05-25 01:27:13

Local clock offset: 2.798 ms

Remote clock offset: 5.654 ms

Below is generated by plot.py at 2018-05-25 04:39:44

Datalink statistics

-- Total of 1 flow:

Average throughput: 95.59 Mbit/s

95th percentile per-packet one-way delay: 17.791 ms

Loss rate: 0.15%

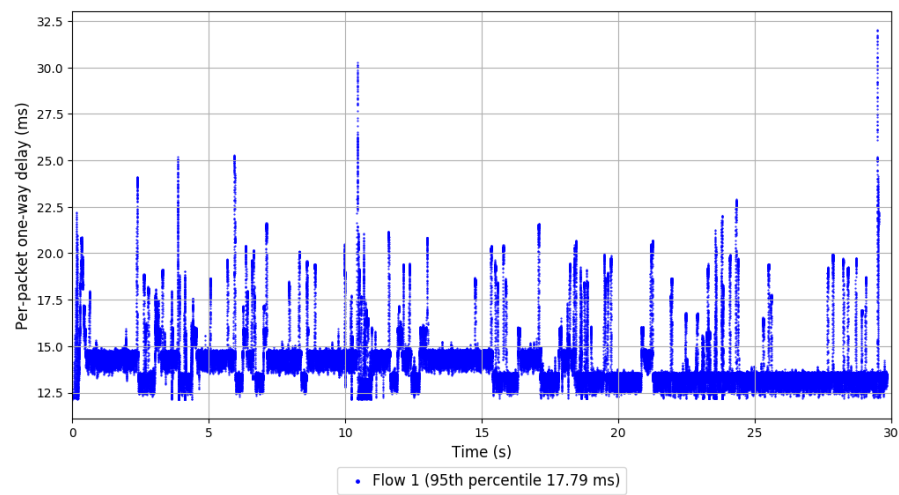
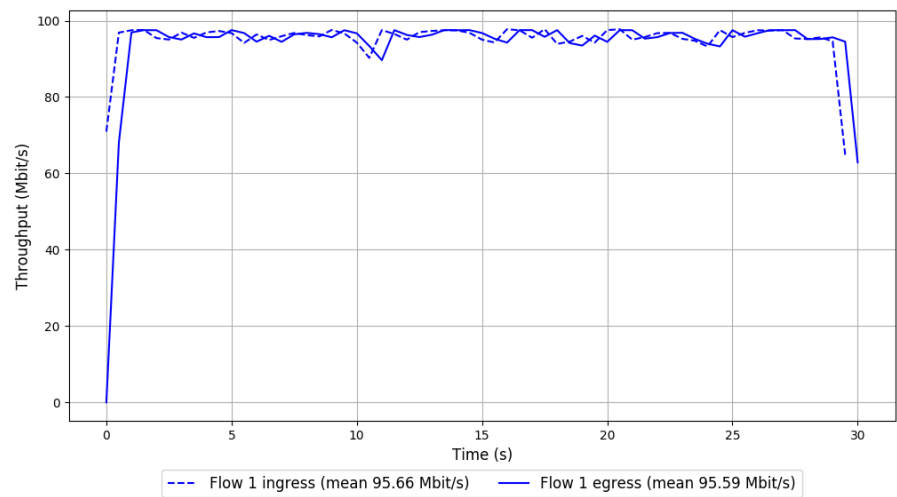
-- Flow 1:

Average throughput: 95.59 Mbit/s

95th percentile per-packet one-way delay: 17.791 ms

Loss rate: 0.15%

Run 1: Report of Indigo — Data Link



Run 2: Statistics of Indigo

Start at: 2018-05-25 01:45:09

End at: 2018-05-25 01:45:39

Local clock offset: 1.484 ms

Remote clock offset: 1.625 ms

Below is generated by plot.py at 2018-05-25 04:39:45

Datalink statistics

-- Total of 1 flow:

Average throughput: 95.69 Mbit/s

95th percentile per-packet one-way delay: 15.759 ms

Loss rate: 0.08%

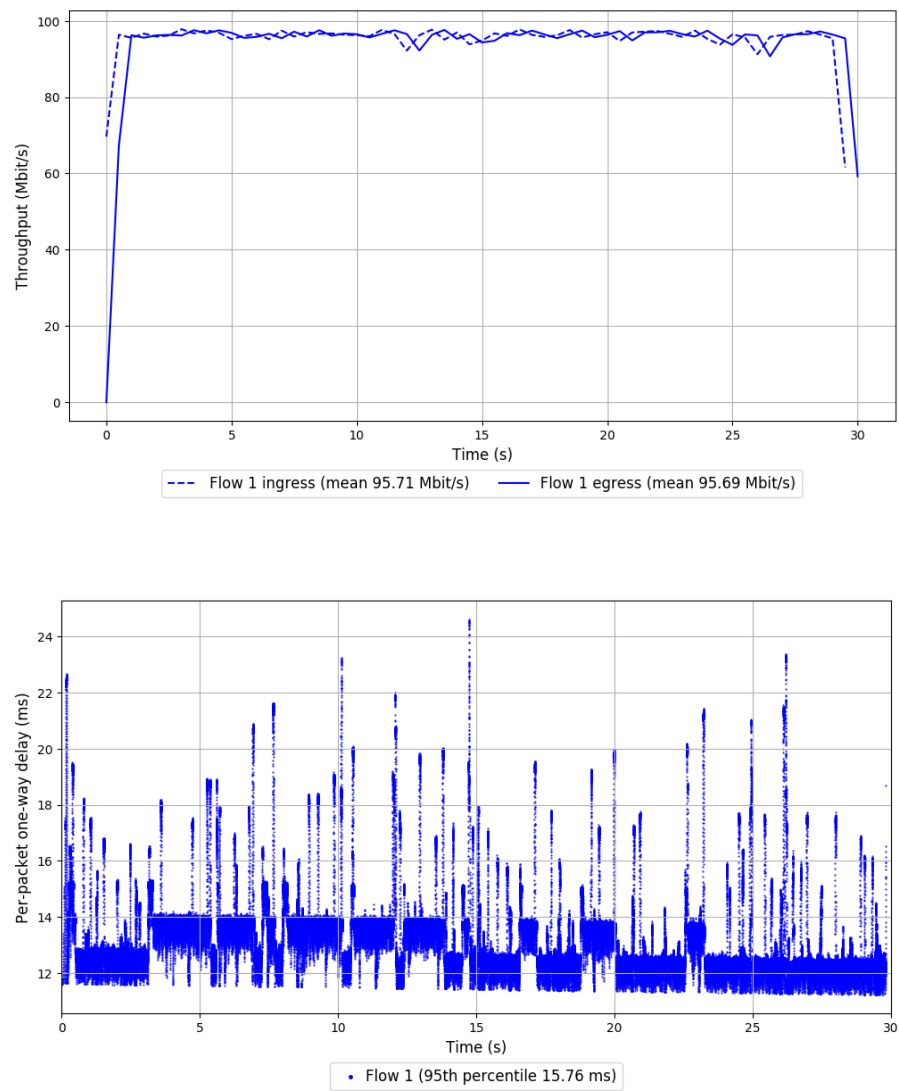
-- Flow 1:

Average throughput: 95.69 Mbit/s

95th percentile per-packet one-way delay: 15.759 ms

Loss rate: 0.08%

Run 2: Report of Indigo — Data Link



Run 3: Statistics of Indigo

Start at: 2018-05-25 02:03:32

End at: 2018-05-25 02:04:02

Local clock offset: 3.147 ms

Remote clock offset: -4.22 ms

Below is generated by plot.py at 2018-05-25 04:39:47

Datalink statistics

-- Total of 1 flow:

Average throughput: 95.45 Mbit/s

95th percentile per-packet one-way delay: 19.674 ms

Loss rate: 0.08%

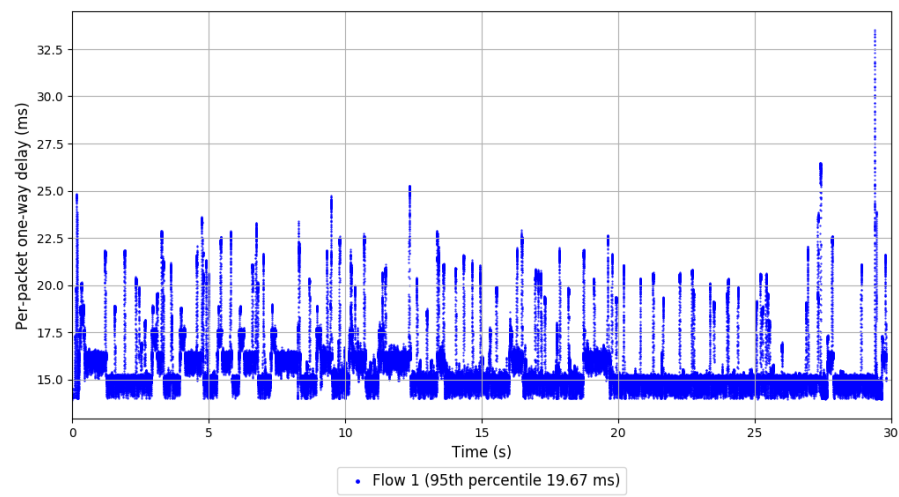
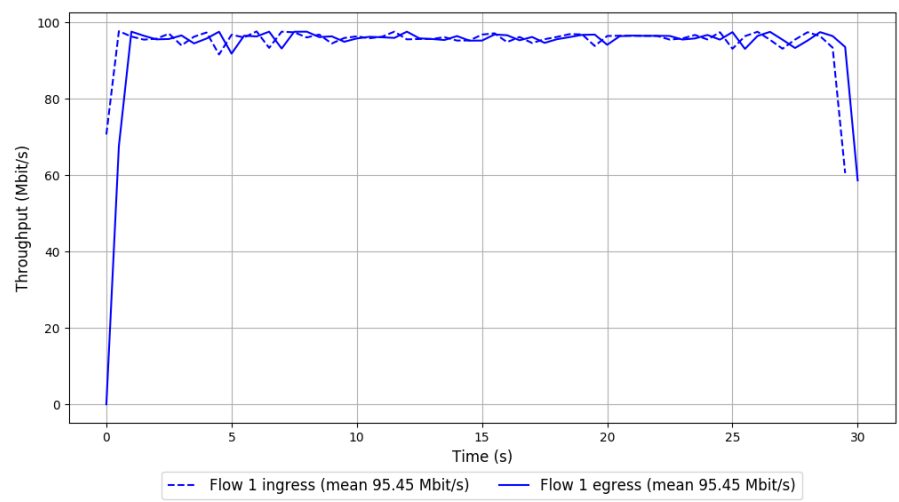
-- Flow 1:

Average throughput: 95.45 Mbit/s

95th percentile per-packet one-way delay: 19.674 ms

Loss rate: 0.08%

Run 3: Report of Indigo — Data Link



Run 4: Statistics of Indigo

Start at: 2018-05-25 02:21:46

End at: 2018-05-25 02:22:16

Local clock offset: 1.167 ms

Remote clock offset: 1.064 ms

Below is generated by plot.py at 2018-05-25 04:39:48

Datalink statistics

-- Total of 1 flow:

Average throughput: 95.57 Mbit/s

95th percentile per-packet one-way delay: 14.622 ms

Loss rate: 0.08%

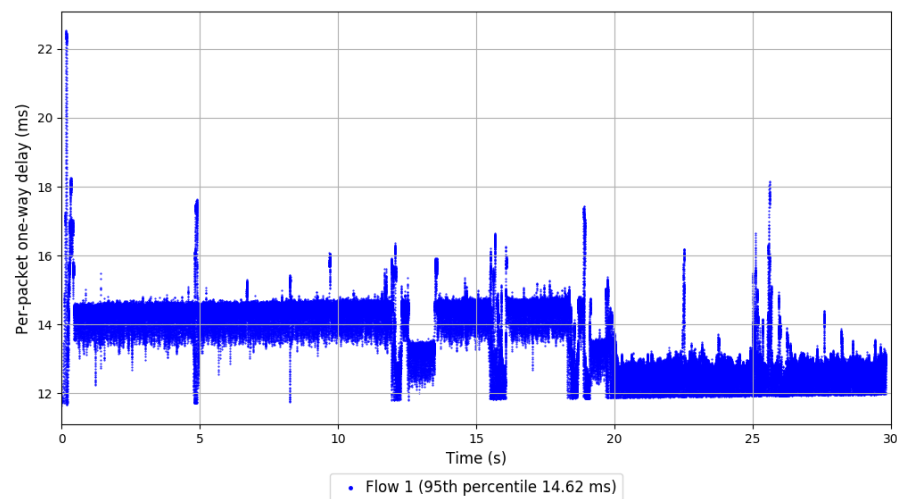
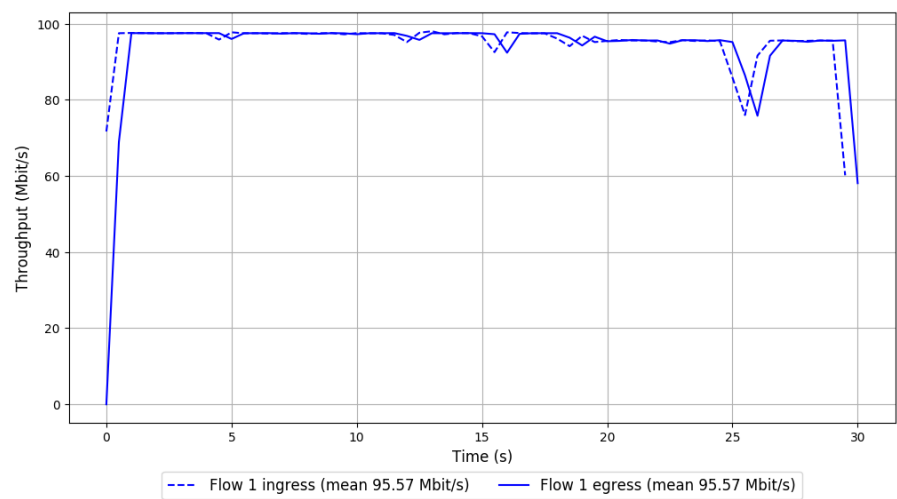
-- Flow 1:

Average throughput: 95.57 Mbit/s

95th percentile per-packet one-way delay: 14.622 ms

Loss rate: 0.08%

Run 4: Report of Indigo — Data Link



Run 5: Statistics of Indigo

Start at: 2018-05-25 02:40:16

End at: 2018-05-25 02:40:46

Local clock offset: 1.546 ms

Remote clock offset: 5.593 ms

Below is generated by plot.py at 2018-05-25 04:39:50

Datalink statistics

-- Total of 1 flow:

Average throughput: 96.86 Mbit/s

95th percentile per-packet one-way delay: 14.790 ms

Loss rate: 0.08%

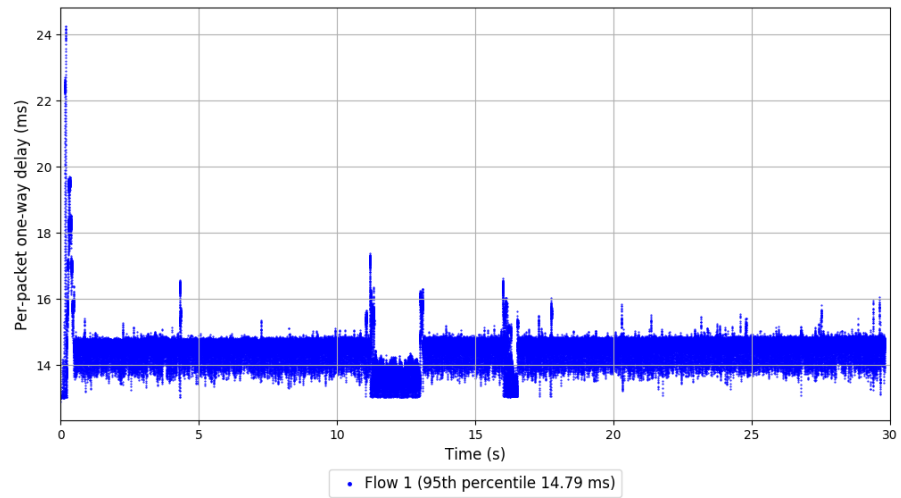
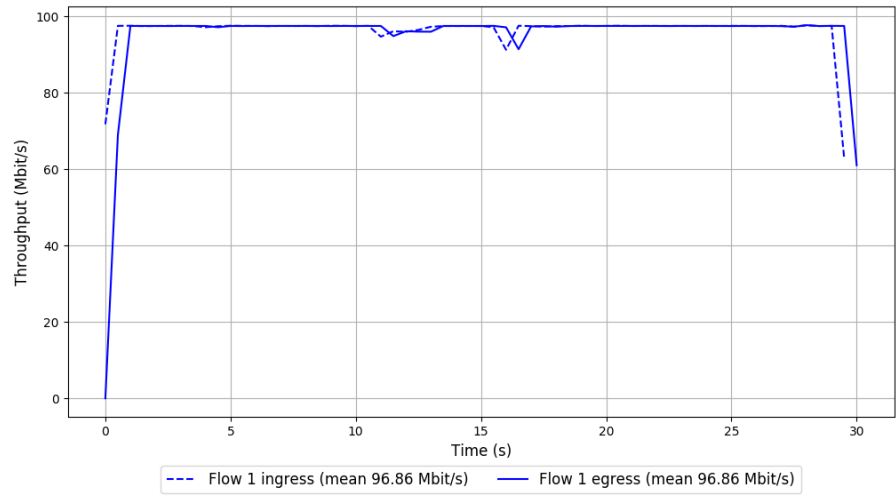
-- Flow 1:

Average throughput: 96.86 Mbit/s

95th percentile per-packet one-way delay: 14.790 ms

Loss rate: 0.08%

Run 5: Report of Indigo — Data Link



Run 6: Statistics of Indigo

Start at: 2018-05-25 02:58:44

End at: 2018-05-25 02:59:14

Local clock offset: 2.194 ms

Remote clock offset: 4.897 ms

Below is generated by plot.py at 2018-05-25 04:40:04

Datalink statistics

-- Total of 1 flow:

Average throughput: 95.95 Mbit/s

95th percentile per-packet one-way delay: 14.169 ms

Loss rate: 0.08%

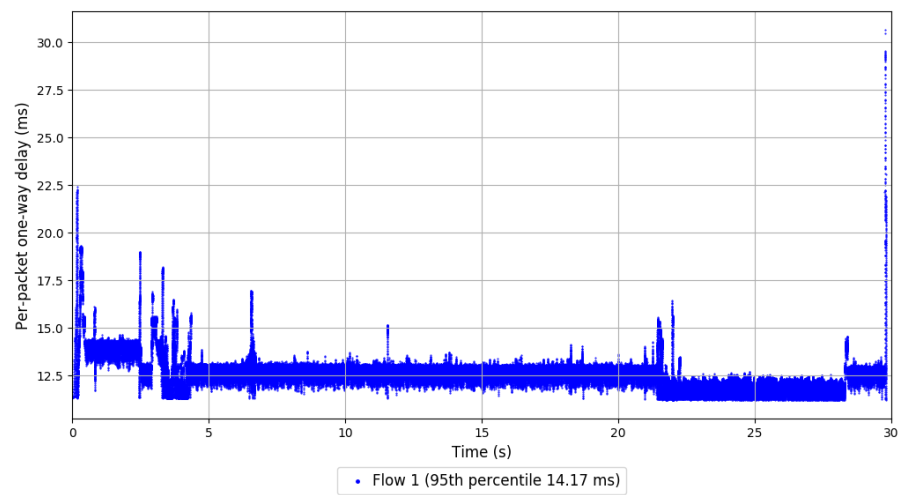
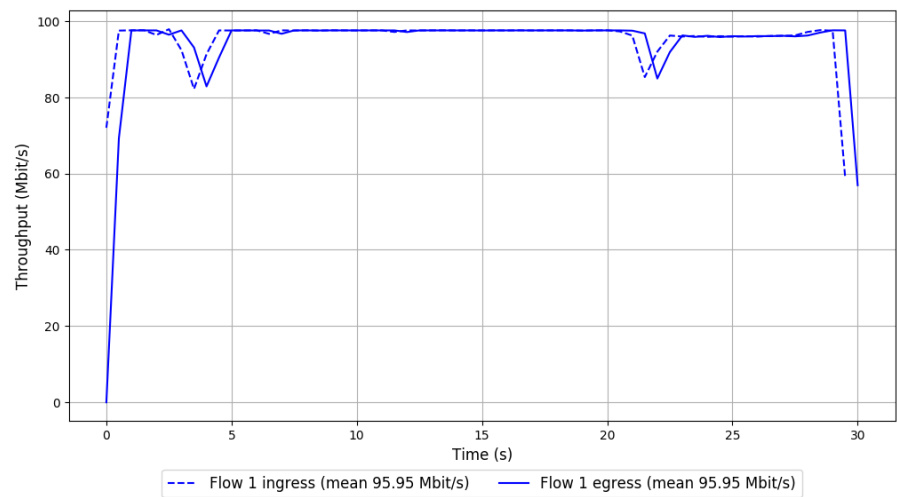
-- Flow 1:

Average throughput: 95.95 Mbit/s

95th percentile per-packet one-way delay: 14.169 ms

Loss rate: 0.08%

Run 6: Report of Indigo — Data Link



Run 7: Statistics of Indigo

Start at: 2018-05-25 03:17:08

End at: 2018-05-25 03:17:38

Local clock offset: 2.763 ms

Remote clock offset: 3.537 ms

Below is generated by plot.py at 2018-05-25 04:40:50

Datalink statistics

-- Total of 1 flow:

Average throughput: 94.37 Mbit/s

95th percentile per-packet one-way delay: 14.096 ms

Loss rate: 0.08%

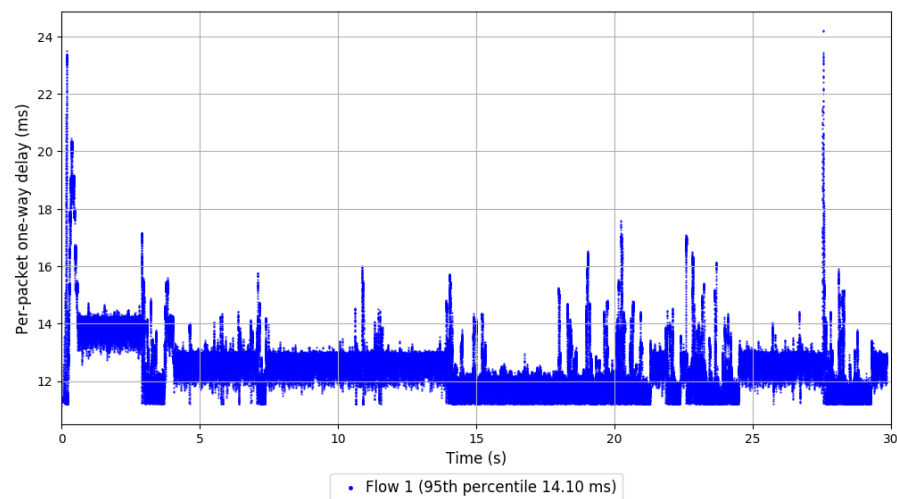
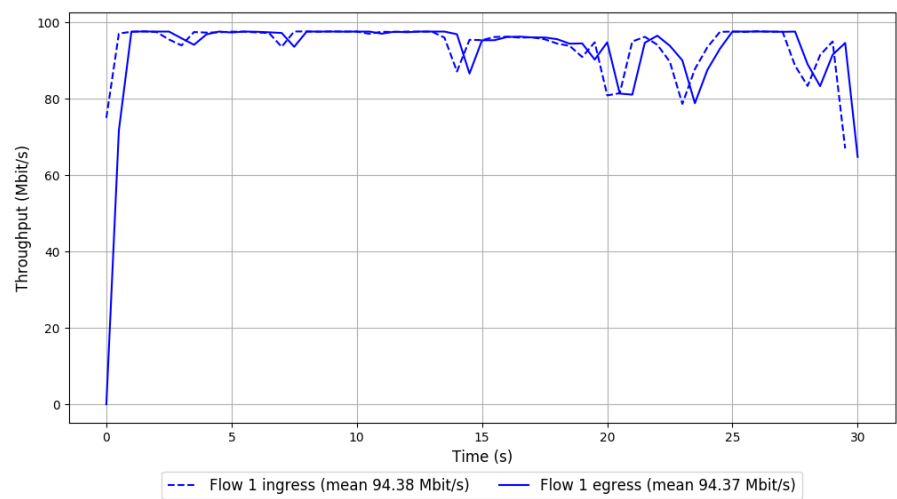
-- Flow 1:

Average throughput: 94.37 Mbit/s

95th percentile per-packet one-way delay: 14.096 ms

Loss rate: 0.08%

Run 7: Report of Indigo — Data Link

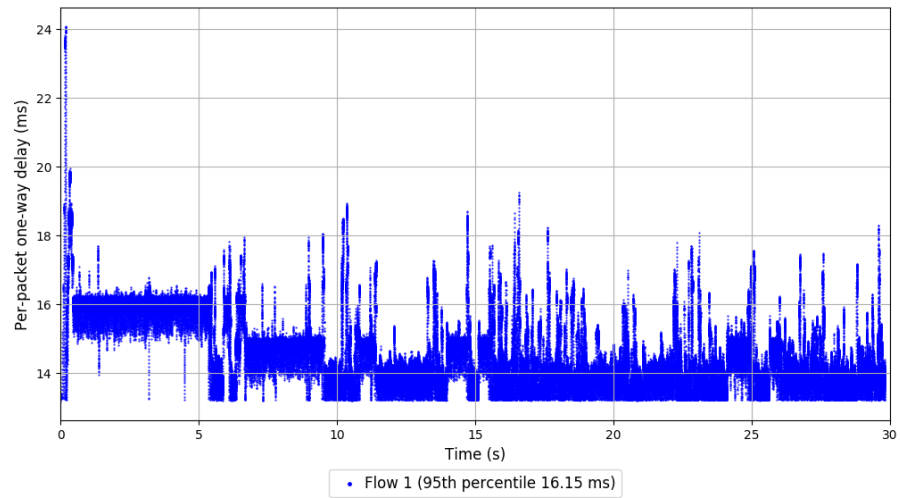
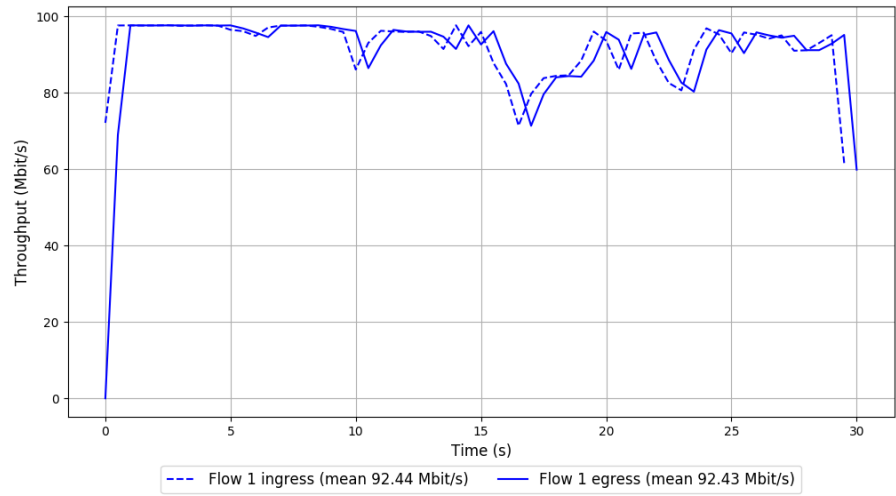


Run 8: Statistics of Indigo

Start at: 2018-05-25 03:35:51
End at: 2018-05-25 03:36:21
Local clock offset: 1.941 ms
Remote clock offset: -0.105 ms

Below is generated by plot.py at 2018-05-25 04:40:53
Datalink statistics
-- Total of 1 flow:
Average throughput: 92.43 Mbit/s
95th percentile per-packet one-way delay: 16.149 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 92.43 Mbit/s
95th percentile per-packet one-way delay: 16.149 ms
Loss rate: 0.08%

Run 8: Report of Indigo — Data Link

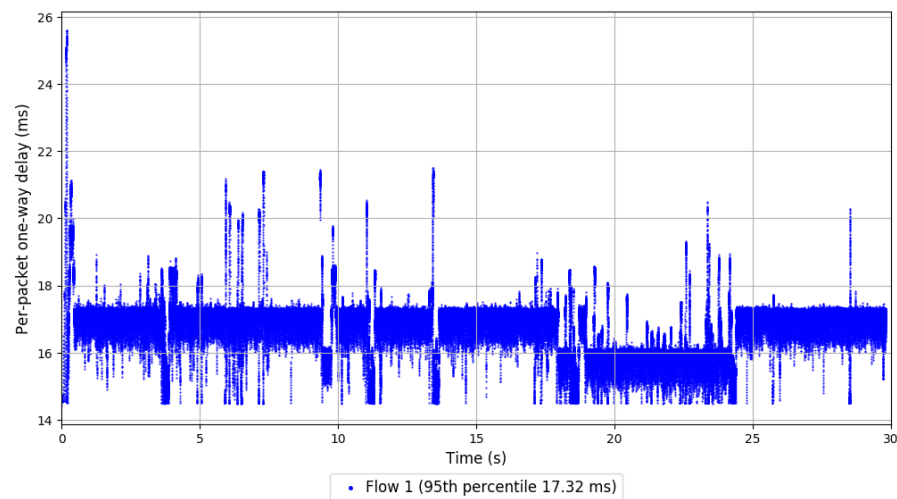
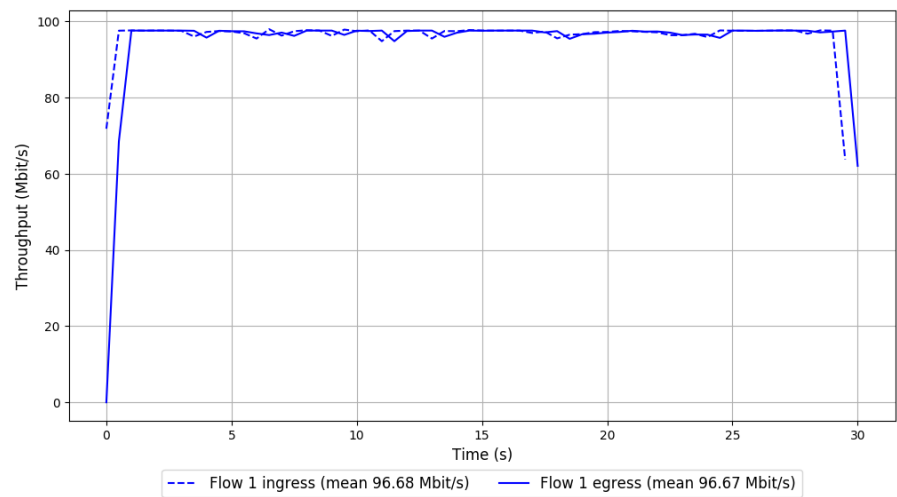


Run 9: Statistics of Indigo

Start at: 2018-05-25 03:54:13
End at: 2018-05-25 03:54:43
Local clock offset: 2.639 ms
Remote clock offset: -0.681 ms

Below is generated by plot.py at 2018-05-25 04:41:06
Datalink statistics
-- Total of 1 flow:
Average throughput: 96.67 Mbit/s
95th percentile per-packet one-way delay: 17.321 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 96.67 Mbit/s
95th percentile per-packet one-way delay: 17.321 ms
Loss rate: 0.09%

Run 9: Report of Indigo — Data Link



Run 10: Statistics of Indigo

Start at: 2018-05-25 04:12:20

End at: 2018-05-25 04:12:50

Local clock offset: 1.841 ms

Remote clock offset: 0.305 ms

Below is generated by plot.py at 2018-05-25 04:41:07

Datalink statistics

-- Total of 1 flow:

Average throughput: 96.57 Mbit/s

95th percentile per-packet one-way delay: 14.397 ms

Loss rate: 0.08%

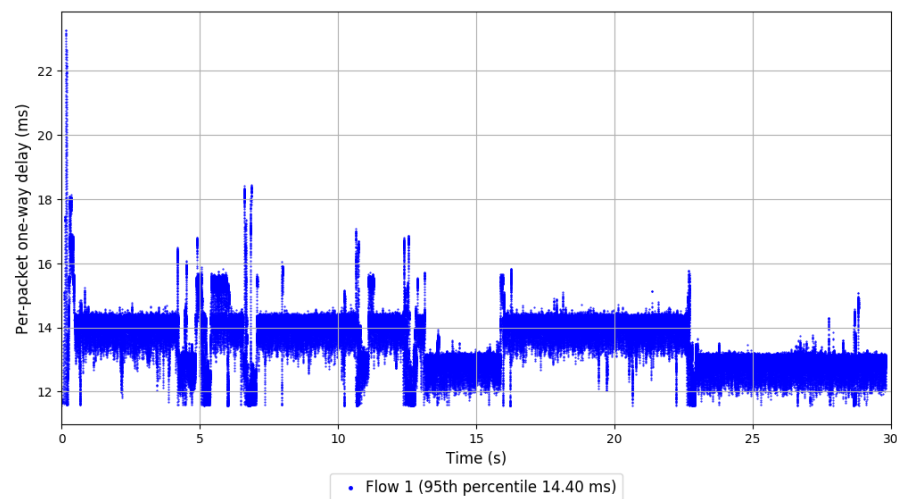
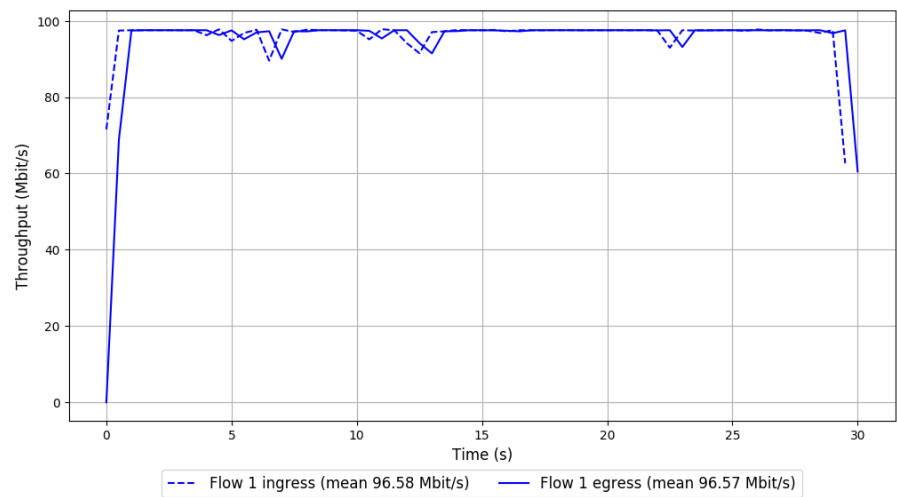
-- Flow 1:

Average throughput: 96.57 Mbit/s

95th percentile per-packet one-way delay: 14.397 ms

Loss rate: 0.08%

Run 10: Report of Indigo — Data Link



Run 1: Statistics of LEDBAT

Start at: 2018-05-25 01:36:57

End at: 2018-05-25 01:37:27

Local clock offset: 1.453 ms

Remote clock offset: 7.024 ms

Below is generated by plot.py at 2018-05-25 04:41:07

Datalink statistics

-- Total of 1 flow:

Average throughput: 85.10 Mbit/s

95th percentile per-packet one-way delay: 18.786 ms

Loss rate: 0.07%

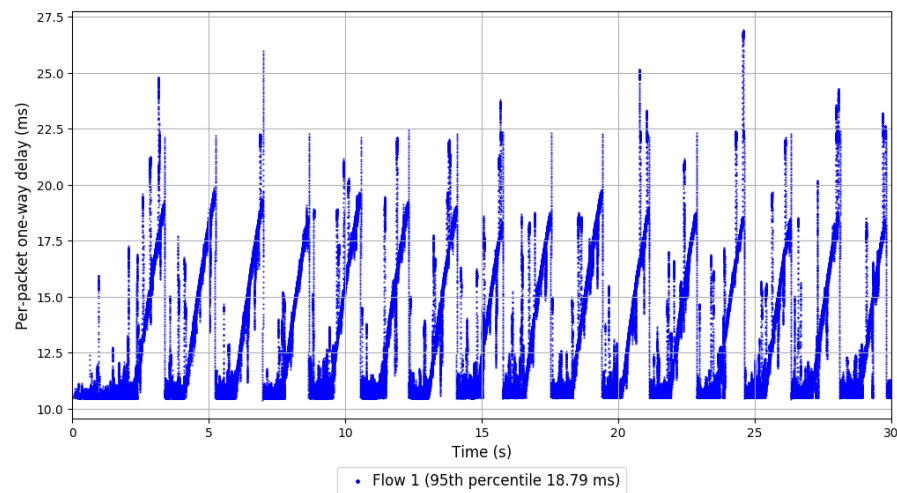
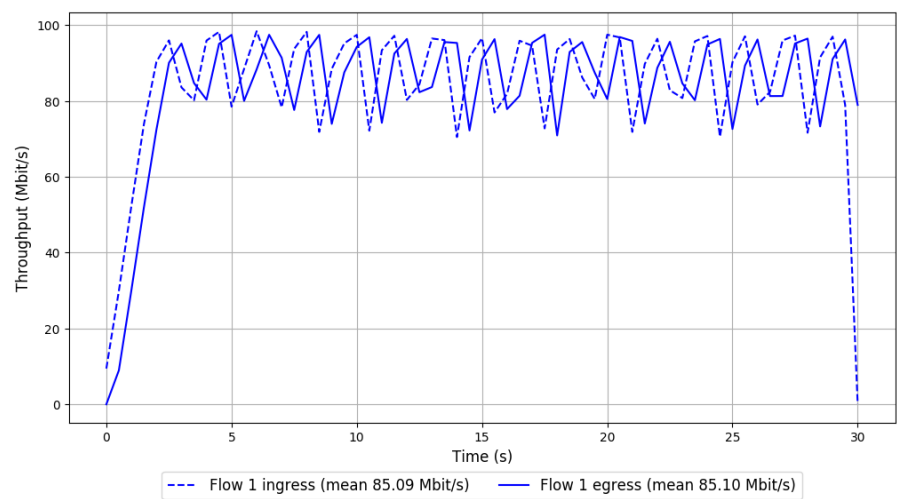
-- Flow 1:

Average throughput: 85.10 Mbit/s

95th percentile per-packet one-way delay: 18.786 ms

Loss rate: 0.07%

Run 1: Report of LEDBAT — Data Link

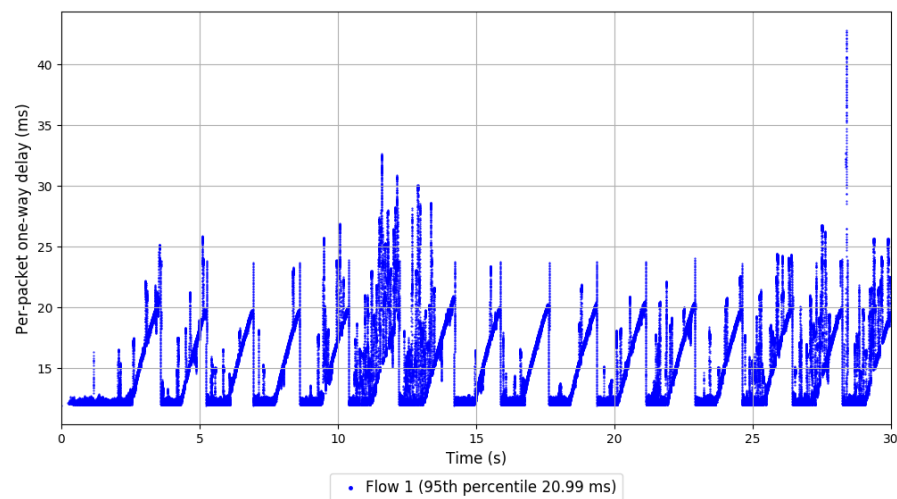
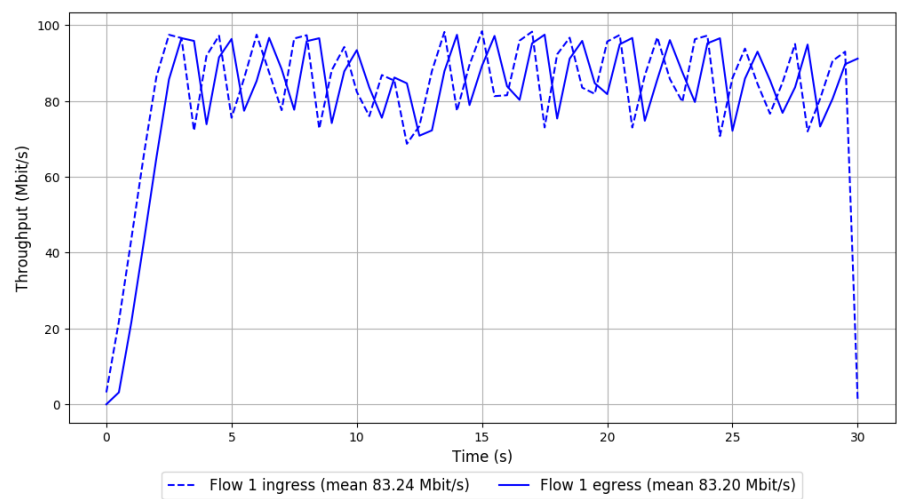


Run 2: Statistics of LEDBAT

Start at: 2018-05-25 01:55:21
End at: 2018-05-25 01:55:51
Local clock offset: 4.196 ms
Remote clock offset: -1.039 ms

Below is generated by plot.py at 2018-05-25 04:41:07
Datalink statistics
-- Total of 1 flow:
Average throughput: 83.20 Mbit/s
95th percentile per-packet one-way delay: 20.987 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 83.20 Mbit/s
95th percentile per-packet one-way delay: 20.987 ms
Loss rate: 0.13%

Run 2: Report of LEDBAT — Data Link

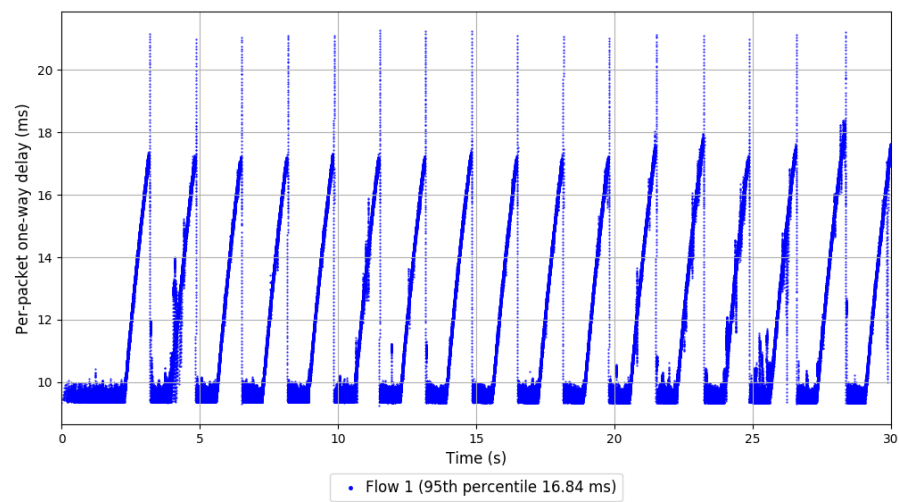
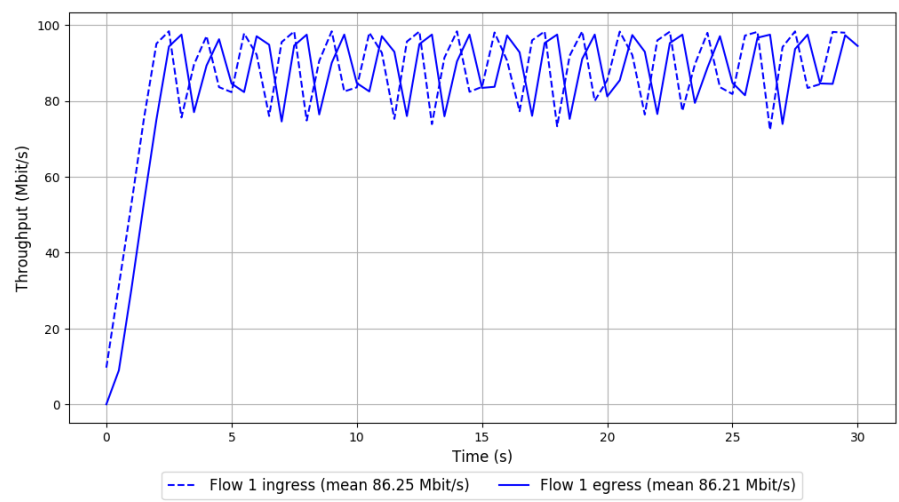


Run 3: Statistics of LEDBAT

Start at: 2018-05-25 02:13:40
End at: 2018-05-25 02:14:10
Local clock offset: -0.246 ms
Remote clock offset: -3.181 ms

Below is generated by plot.py at 2018-05-25 04:41:07
Datalink statistics
-- Total of 1 flow:
Average throughput: 86.21 Mbit/s
95th percentile per-packet one-way delay: 16.841 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 86.21 Mbit/s
95th percentile per-packet one-way delay: 16.841 ms
Loss rate: 0.13%

Run 3: Report of LEDBAT — Data Link



Run 4: Statistics of LEDBAT

Start at: 2018-05-25 02:31:57

End at: 2018-05-25 02:32:27

Local clock offset: 0.859 ms

Remote clock offset: 6.219 ms

Below is generated by plot.py at 2018-05-25 04:41:24

Datalink statistics

-- Total of 1 flow:

Average throughput: 86.15 Mbit/s

95th percentile per-packet one-way delay: 17.553 ms

Loss rate: 0.10%

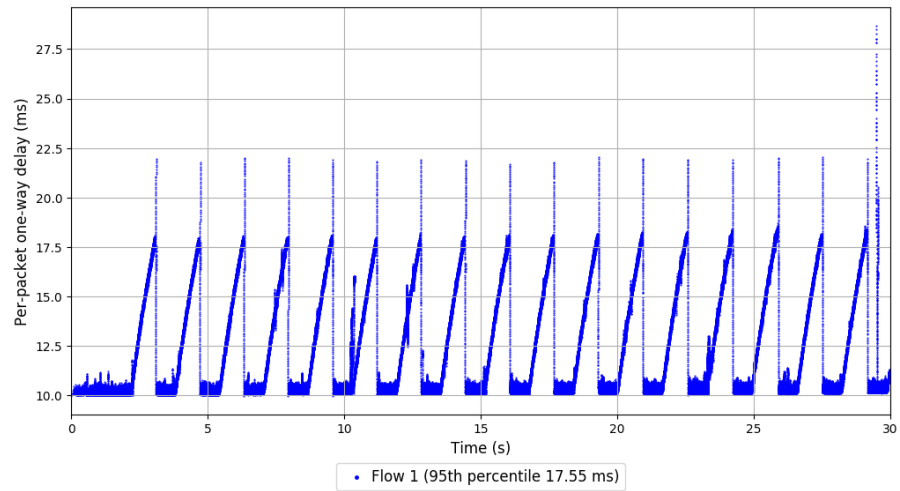
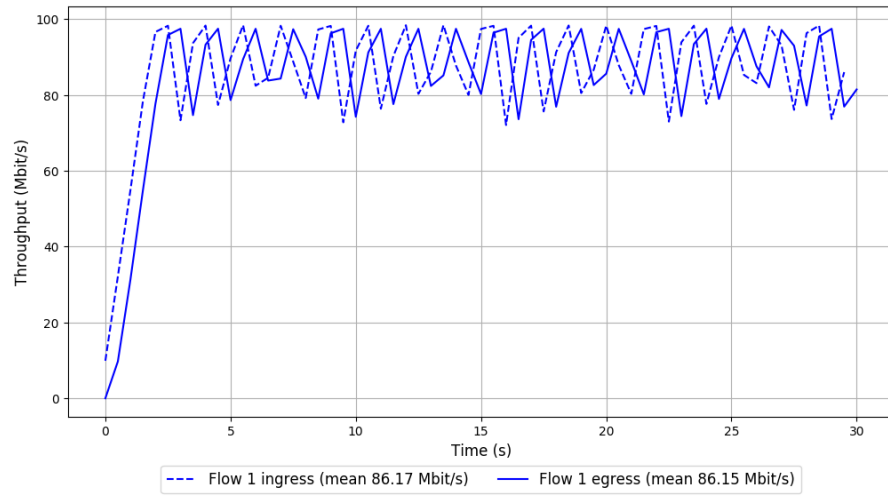
-- Flow 1:

Average throughput: 86.15 Mbit/s

95th percentile per-packet one-way delay: 17.553 ms

Loss rate: 0.10%

Run 4: Report of LEDBAT — Data Link



Run 5: Statistics of LEDBAT

Start at: 2018-05-25 02:50:31

End at: 2018-05-25 02:51:01

Local clock offset: 1.498 ms

Remote clock offset: 7.986 ms

Below is generated by plot.py at 2018-05-25 04:42:02

Datalink statistics

-- Total of 1 flow:

Average throughput: 86.22 Mbit/s

95th percentile per-packet one-way delay: 18.459 ms

Loss rate: 0.08%

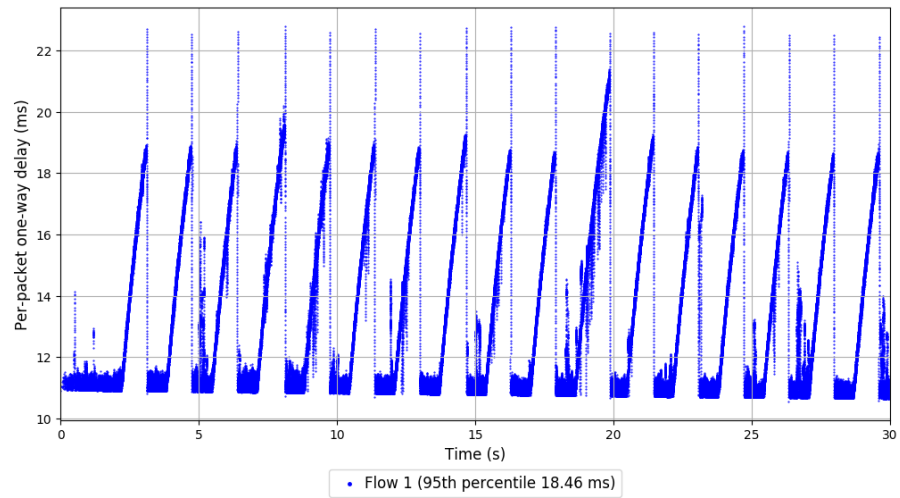
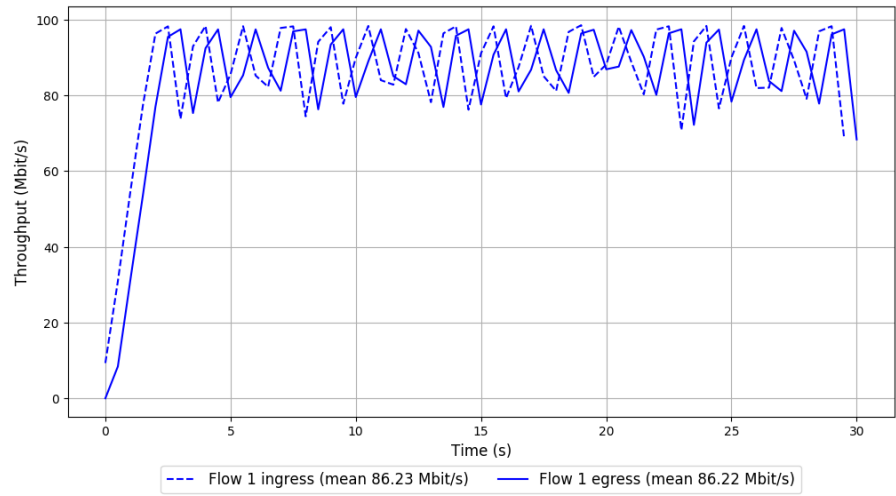
-- Flow 1:

Average throughput: 86.22 Mbit/s

95th percentile per-packet one-way delay: 18.459 ms

Loss rate: 0.08%

Run 5: Report of LEDBAT — Data Link



Run 6: Statistics of LEDBAT

Start at: 2018-05-25 03:08:57

End at: 2018-05-25 03:09:27

Local clock offset: 2.846 ms

Remote clock offset: 1.995 ms

Below is generated by plot.py at 2018-05-25 04:42:06

Datalink statistics

-- Total of 1 flow:

Average throughput: 82.44 Mbit/s

95th percentile per-packet one-way delay: 20.951 ms

Loss rate: 0.08%

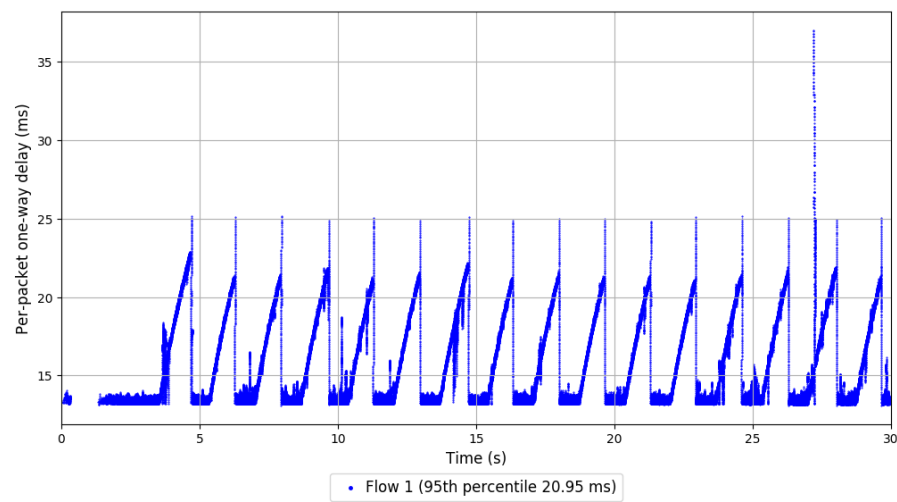
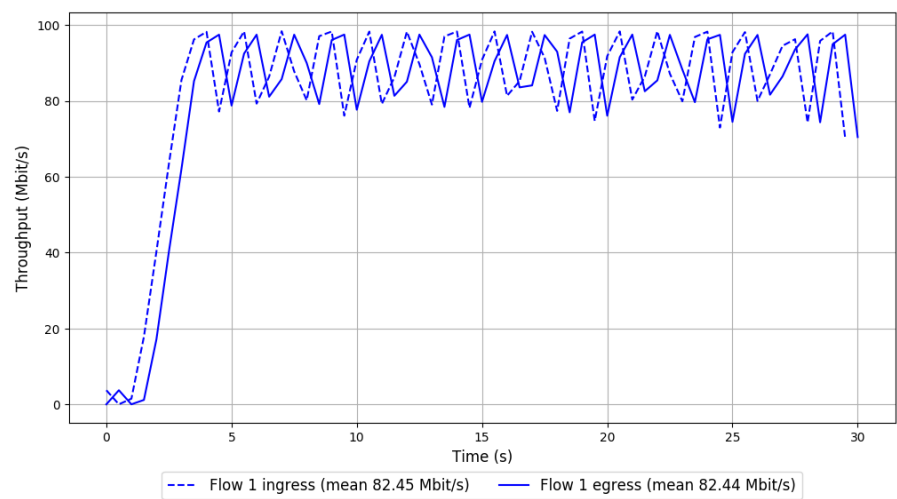
-- Flow 1:

Average throughput: 82.44 Mbit/s

95th percentile per-packet one-way delay: 20.951 ms

Loss rate: 0.08%

Run 6: Report of LEDBAT — Data Link



Run 7: Statistics of LEDBAT

Start at: 2018-05-25 03:27:33

End at: 2018-05-25 03:28:03

Local clock offset: 2.504 ms

Remote clock offset: 2.514 ms

Below is generated by plot.py at 2018-05-25 04:42:14

Datalink statistics

-- Total of 1 flow:

Average throughput: 86.17 Mbit/s

95th percentile per-packet one-way delay: 19.166 ms

Loss rate: 0.11%

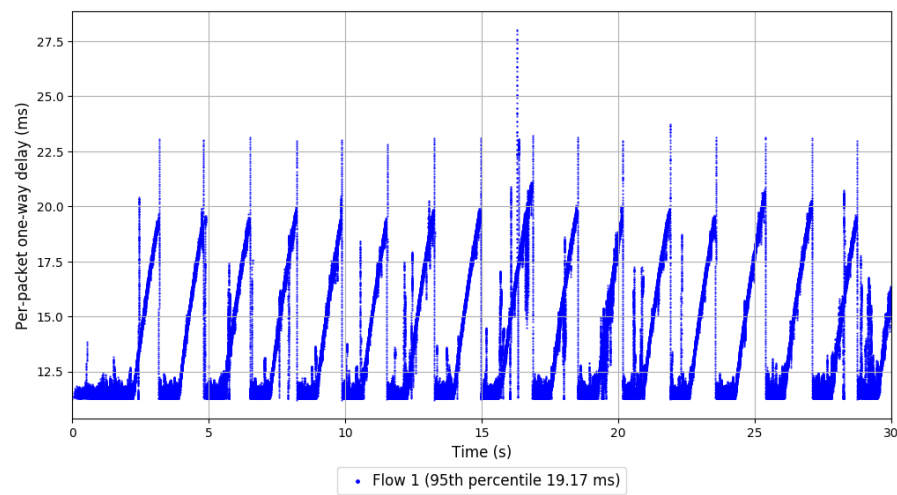
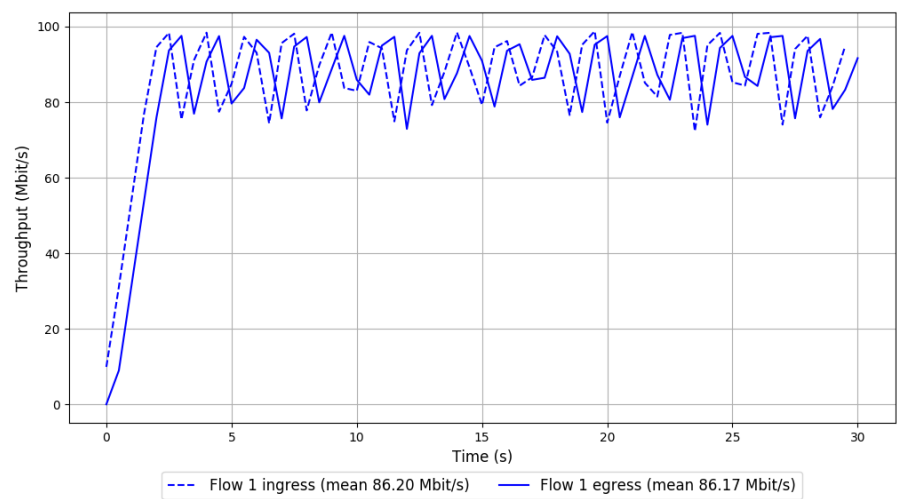
-- Flow 1:

Average throughput: 86.17 Mbit/s

95th percentile per-packet one-way delay: 19.166 ms

Loss rate: 0.11%

Run 7: Report of LEDBAT — Data Link

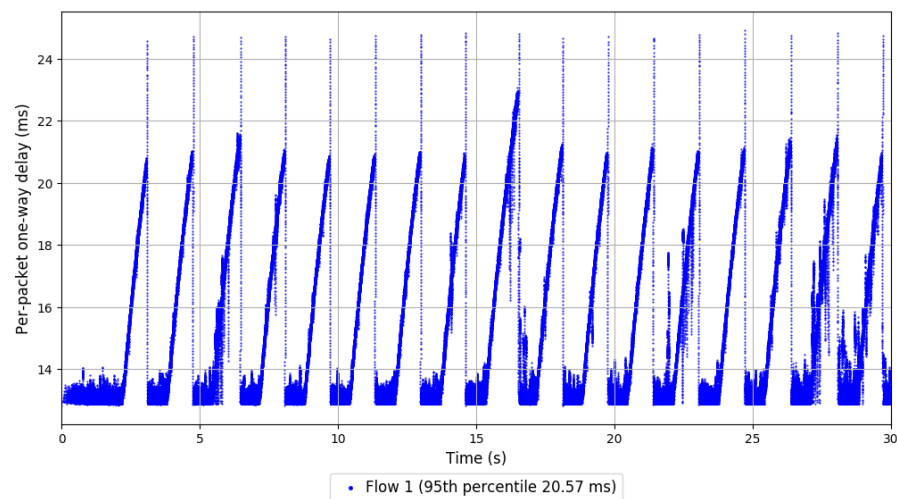
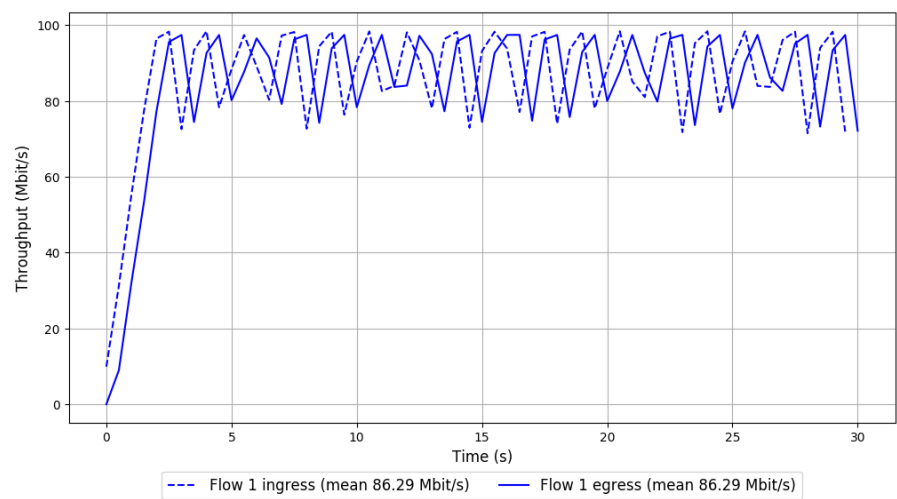


Run 8: Statistics of LEDBAT

Start at: 2018-05-25 03:46:08
End at: 2018-05-25 03:46:38
Local clock offset: 1.475 ms
Remote clock offset: -0.232 ms

Below is generated by plot.py at 2018-05-25 04:42:14
Datalink statistics
-- Total of 1 flow:
Average throughput: 86.29 Mbit/s
95th percentile per-packet one-way delay: 20.574 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 86.29 Mbit/s
95th percentile per-packet one-way delay: 20.574 ms
Loss rate: 0.08%

Run 8: Report of LEDBAT — Data Link



Run 9: Statistics of LEDBAT

Start at: 2018-05-25 04:04:18

End at: 2018-05-25 04:04:48

Local clock offset: 2.585 ms

Remote clock offset: 1.56 ms

Below is generated by plot.py at 2018-05-25 04:42:17

Datalink statistics

-- Total of 1 flow:

Average throughput: 86.43 Mbit/s

95th percentile per-packet one-way delay: 19.130 ms

Loss rate: 0.07%

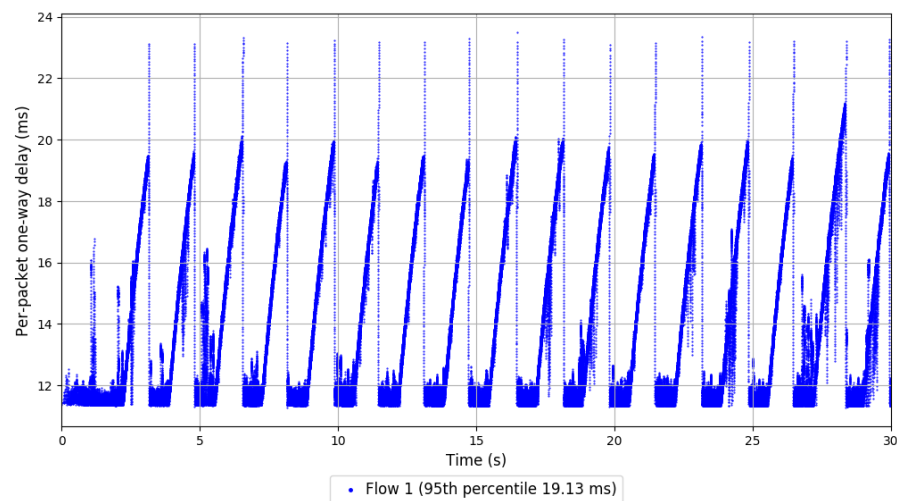
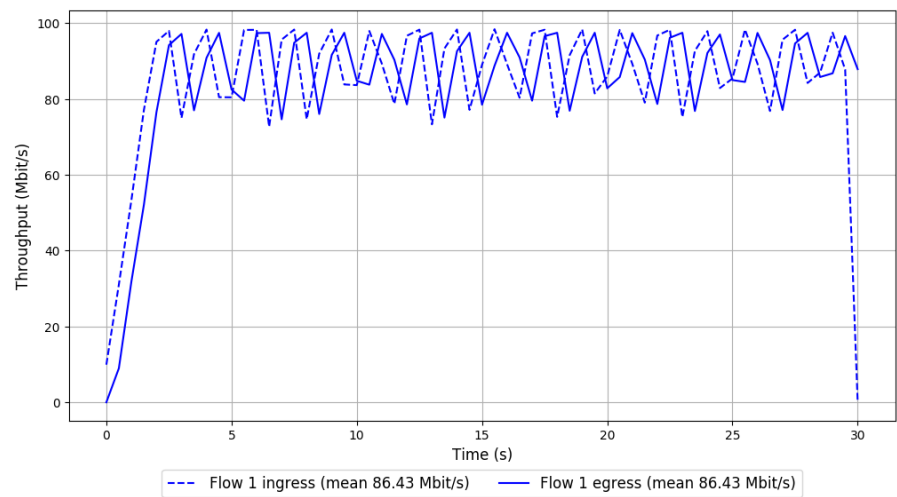
-- Flow 1:

Average throughput: 86.43 Mbit/s

95th percentile per-packet one-way delay: 19.130 ms

Loss rate: 0.07%

Run 9: Report of LEDBAT — Data Link



Run 10: Statistics of LEDBAT

Start at: 2018-05-25 04:22:44

End at: 2018-05-25 04:23:14

Local clock offset: 3.6 ms

Remote clock offset: 1.159 ms

Below is generated by plot.py at 2018-05-25 04:42:19

Datalink statistics

-- Total of 1 flow:

Average throughput: 86.25 Mbit/s

95th percentile per-packet one-way delay: 20.030 ms

Loss rate: 0.12%

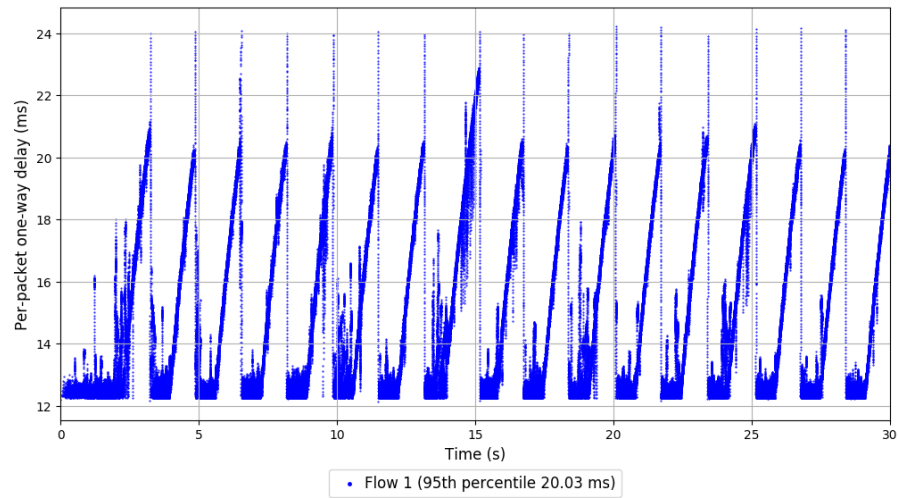
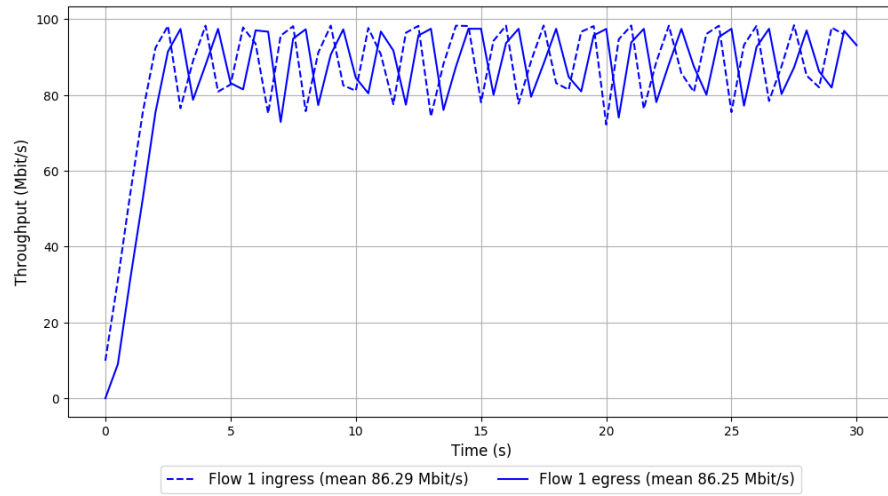
-- Flow 1:

Average throughput: 86.25 Mbit/s

95th percentile per-packet one-way delay: 20.030 ms

Loss rate: 0.12%

Run 10: Report of LEDBAT — Data Link

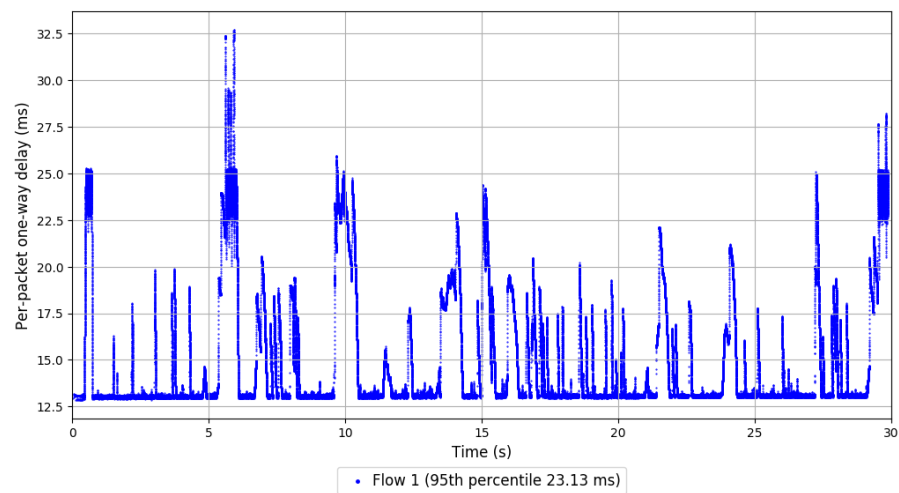
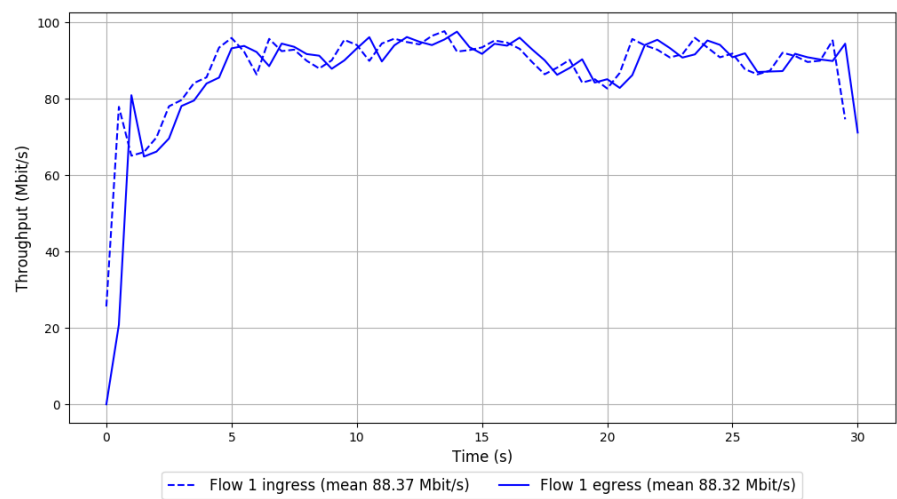


```
Run 1: Statistics of PCC-Allegro

Start at: 2018-05-25 01:28:59
End at: 2018-05-25 01:29:29
Local clock offset: 1.817 ms
Remote clock offset: 4.016 ms

# Below is generated by plot.py at 2018-05-25 04:42:22
# Datalink statistics
-- Total of 1 flow:
Average throughput: 88.32 Mbit/s
95th percentile per-packet one-way delay: 23.130 ms
Loss rate: 0.14%
-- Flow 1:
Average throughput: 88.32 Mbit/s
95th percentile per-packet one-way delay: 23.130 ms
Loss rate: 0.14%
```

Run 1: Report of PCC-Allegro — Data Link



Run 2: Statistics of PCC-Allegro

Start at: 2018-05-25 01:47:25

End at: 2018-05-25 01:47:55

Local clock offset: 4.75 ms

Remote clock offset: -0.661 ms

Below is generated by plot.py at 2018-05-25 04:42:46

Datalink statistics

-- Total of 1 flow:

Average throughput: 89.91 Mbit/s

95th percentile per-packet one-way delay: 21.840 ms

Loss rate: 0.09%

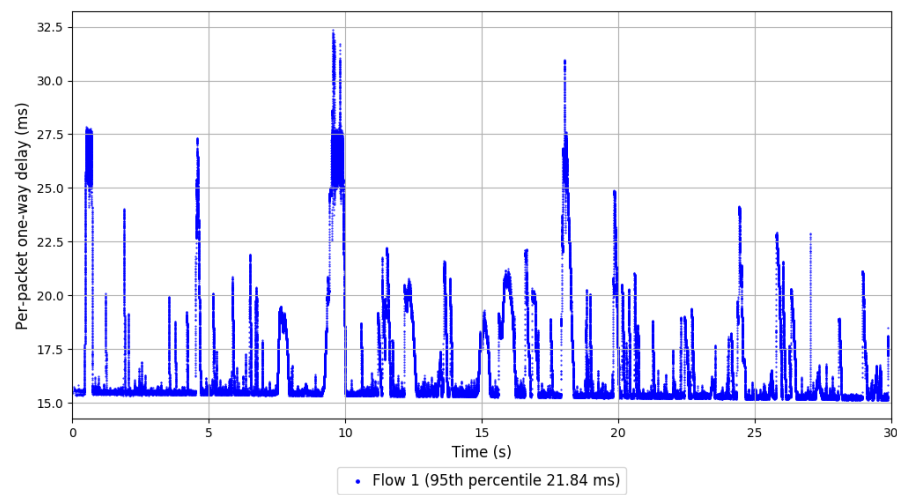
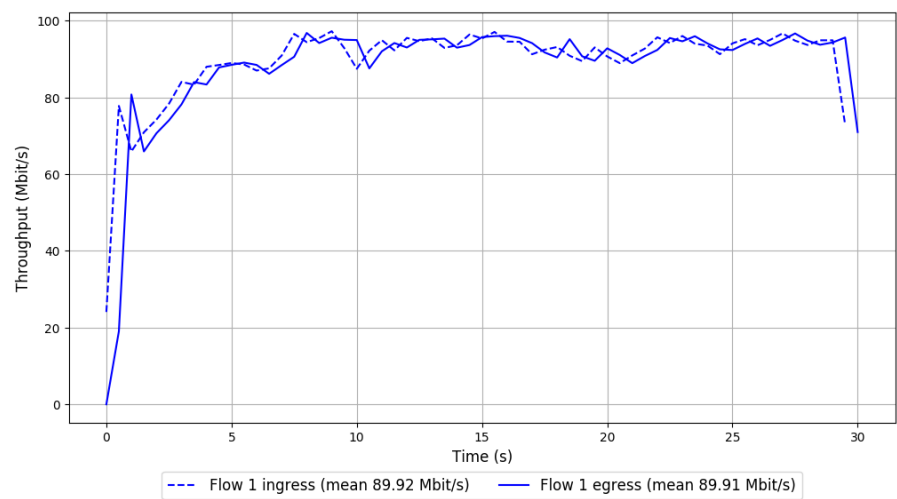
-- Flow 1:

Average throughput: 89.91 Mbit/s

95th percentile per-packet one-way delay: 21.840 ms

Loss rate: 0.09%

Run 2: Report of PCC-Allegro — Data Link



Run 3: Statistics of PCC-Allegro

Start at: 2018-05-25 02:05:46

End at: 2018-05-25 02:06:16

Local clock offset: 0.09 ms

Remote clock offset: -2.092 ms

Below is generated by plot.py at 2018-05-25 04:43:21

Datalink statistics

-- Total of 1 flow:

Average throughput: 90.72 Mbit/s

95th percentile per-packet one-way delay: 10.506 ms

Loss rate: 0.08%

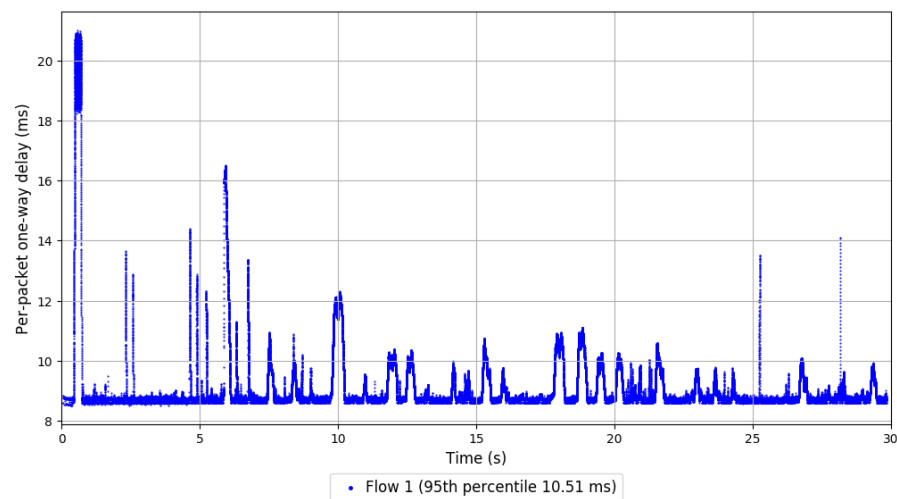
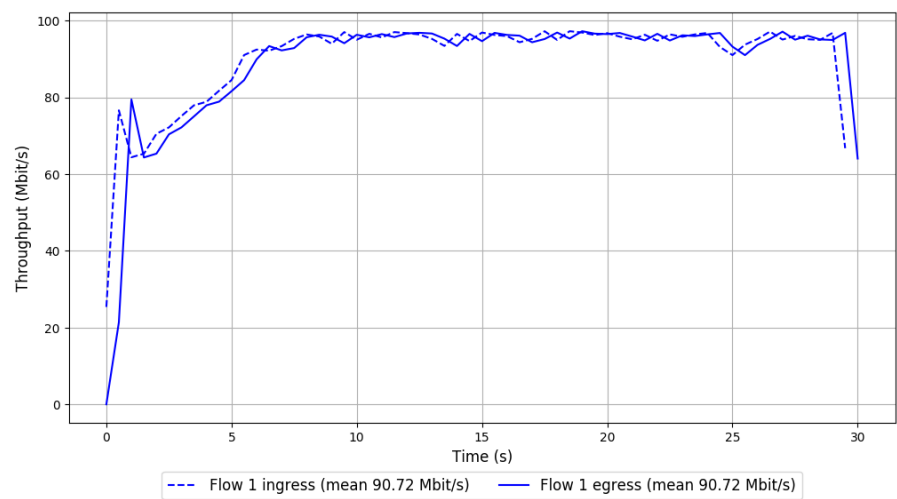
-- Flow 1:

Average throughput: 90.72 Mbit/s

95th percentile per-packet one-way delay: 10.506 ms

Loss rate: 0.08%

Run 3: Report of PCC-Allegro — Data Link



Run 4: Statistics of PCC-Allegro

Start at: 2018-05-25 02:24:01

End at: 2018-05-25 02:24:31

Local clock offset: 2.827 ms

Remote clock offset: 3.462 ms

Below is generated by plot.py at 2018-05-25 04:43:23

Datalink statistics

-- Total of 1 flow:

Average throughput: 92.10 Mbit/s

95th percentile per-packet one-way delay: 14.147 ms

Loss rate: 0.08%

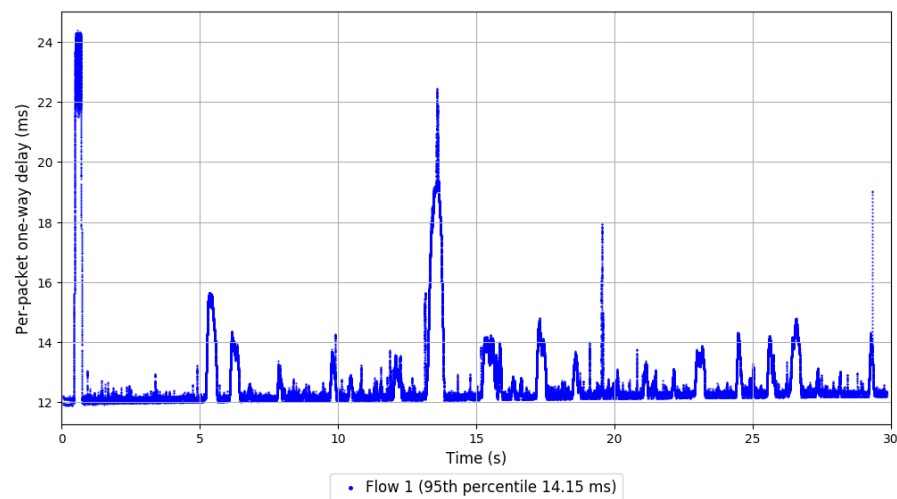
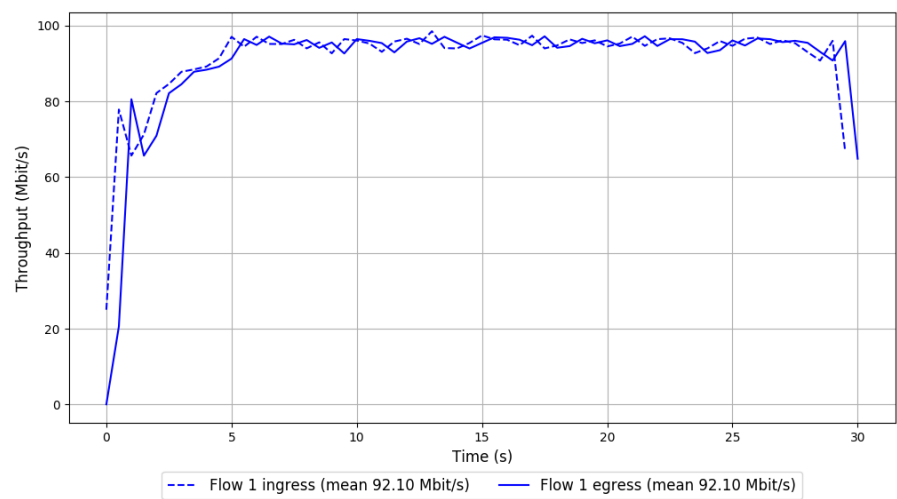
-- Flow 1:

Average throughput: 92.10 Mbit/s

95th percentile per-packet one-way delay: 14.147 ms

Loss rate: 0.08%

Run 4: Report of PCC-Allegro — Data Link



Run 5: Statistics of PCC-Allegro

Start at: 2018-05-25 02:42:32

End at: 2018-05-25 02:43:02

Local clock offset: 3.643 ms

Remote clock offset: 7.579 ms

Below is generated by plot.py at 2018-05-25 04:43:34

Datalink statistics

-- Total of 1 flow:

Average throughput: 93.35 Mbit/s

95th percentile per-packet one-way delay: 15.710 ms

Loss rate: 0.08%

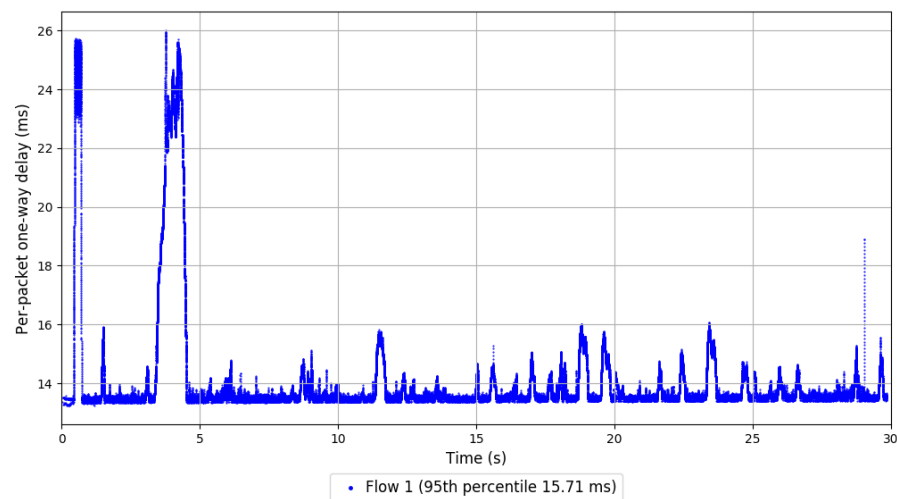
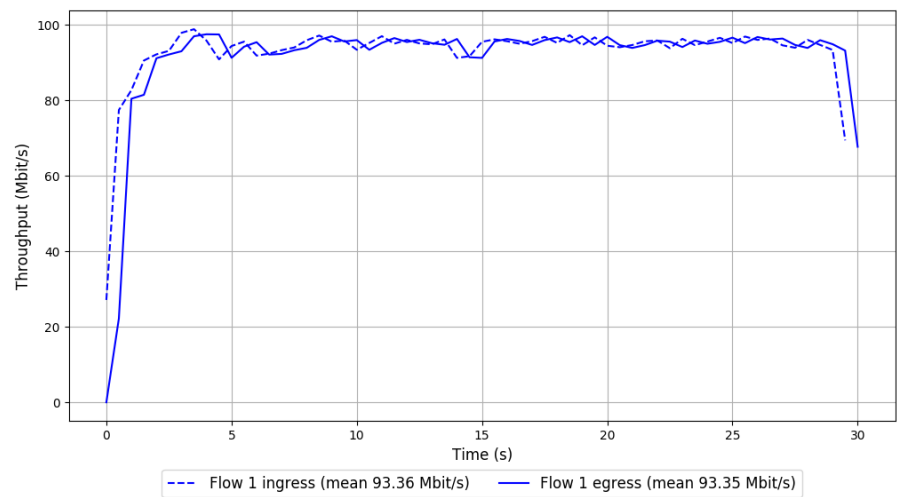
-- Flow 1:

Average throughput: 93.35 Mbit/s

95th percentile per-packet one-way delay: 15.710 ms

Loss rate: 0.08%

Run 5: Report of PCC-Allegro — Data Link



Run 6: Statistics of PCC-Allegro

Start at: 2018-05-25 03:01:01

End at: 2018-05-25 03:01:31

Local clock offset: 2.341 ms

Remote clock offset: 5.068 ms

Below is generated by plot.py at 2018-05-25 04:43:34

Datalink statistics

-- Total of 1 flow:

Average throughput: 90.13 Mbit/s

95th percentile per-packet one-way delay: 22.091 ms

Loss rate: 0.30%

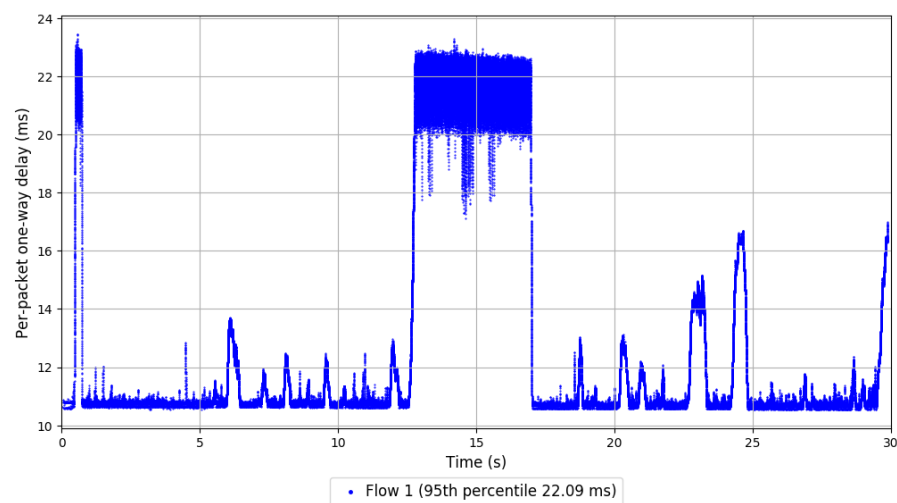
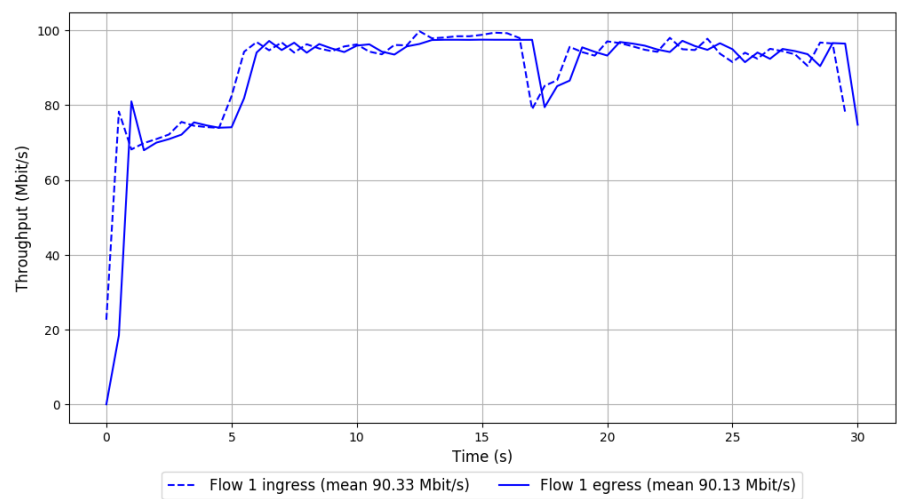
-- Flow 1:

Average throughput: 90.13 Mbit/s

95th percentile per-packet one-way delay: 22.091 ms

Loss rate: 0.30%

Run 6: Report of PCC-Allegro — Data Link



Run 7: Statistics of PCC-Allegro

Start at: 2018-05-25 03:19:27

End at: 2018-05-25 03:19:57

Local clock offset: 4.104 ms

Remote clock offset: 4.287 ms

Below is generated by plot.py at 2018-05-25 04:43:40

Datalink statistics

-- Total of 1 flow:

Average throughput: 92.85 Mbit/s

95th percentile per-packet one-way delay: 13.618 ms

Loss rate: 0.08%

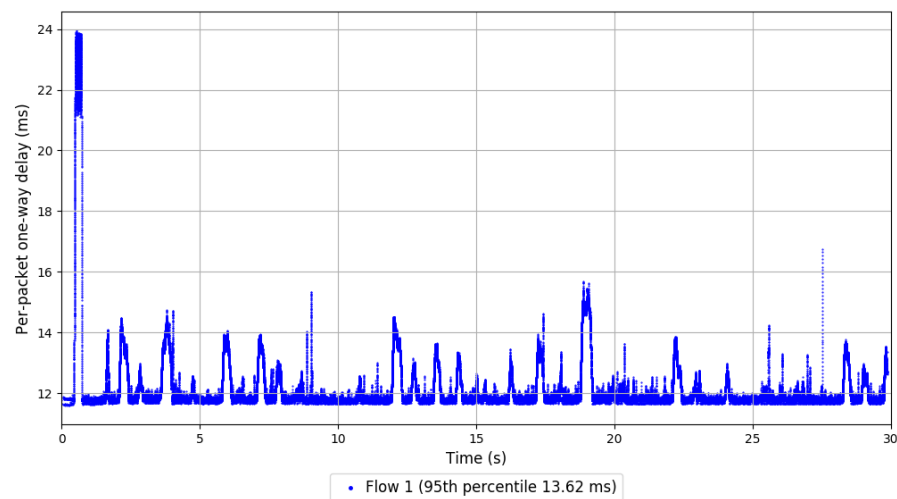
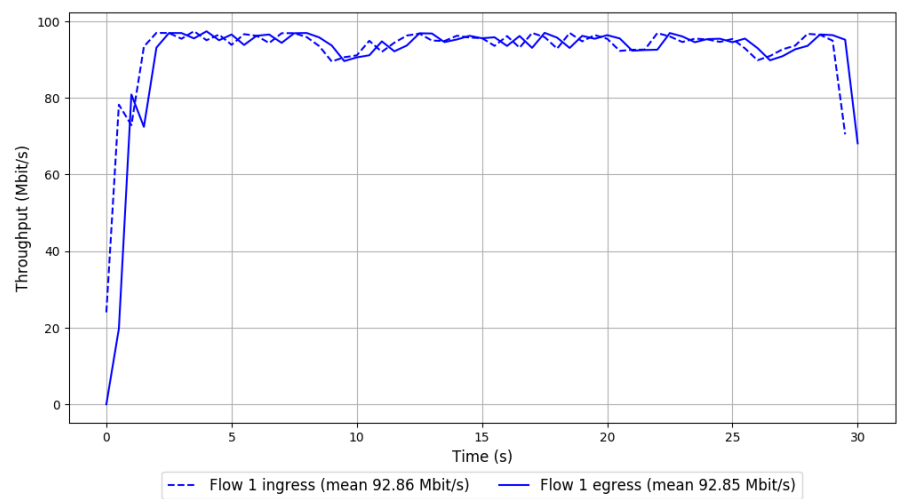
-- Flow 1:

Average throughput: 92.85 Mbit/s

95th percentile per-packet one-way delay: 13.618 ms

Loss rate: 0.08%

Run 7: Report of PCC-Allegro — Data Link



Run 8: Statistics of PCC-Allegro

Start at: 2018-05-25 03:38:08

End at: 2018-05-25 03:38:38

Local clock offset: 1.223 ms

Remote clock offset: 2.239 ms

Below is generated by plot.py at 2018-05-25 04:43:41

Datalink statistics

-- Total of 1 flow:

Average throughput: 93.05 Mbit/s

95th percentile per-packet one-way delay: 17.474 ms

Loss rate: 0.10%

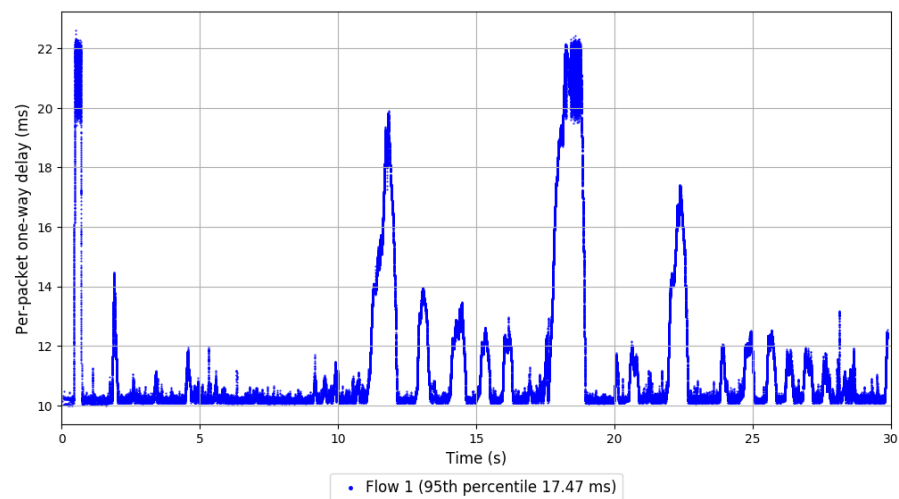
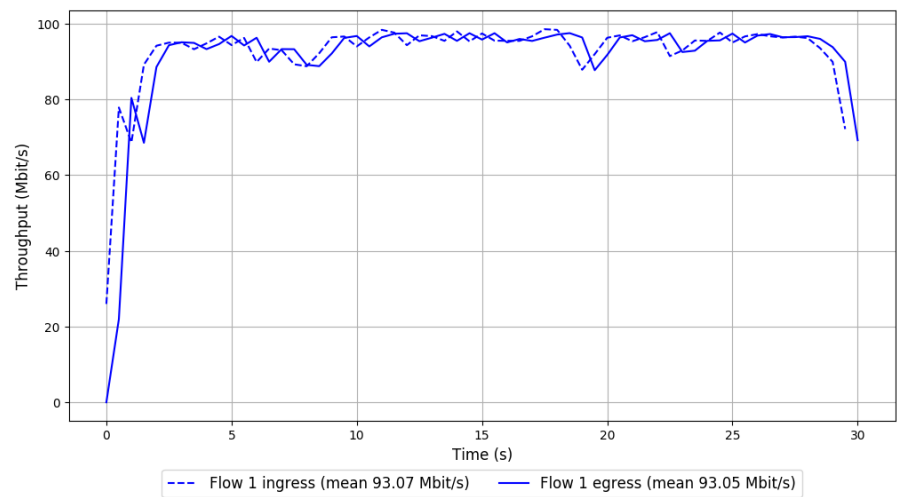
-- Flow 1:

Average throughput: 93.05 Mbit/s

95th percentile per-packet one-way delay: 17.474 ms

Loss rate: 0.10%

Run 8: Report of PCC-Allegro — Data Link



Run 9: Statistics of PCC-Allegro

Start at: 2018-05-25 03:56:27

End at: 2018-05-25 03:56:57

Local clock offset: 0.847 ms

Remote clock offset: -0.002 ms

Below is generated by plot.py at 2018-05-25 04:43:45

Datalink statistics

-- Total of 1 flow:

Average throughput: 91.57 Mbit/s

95th percentile per-packet one-way delay: 15.731 ms

Loss rate: 0.08%

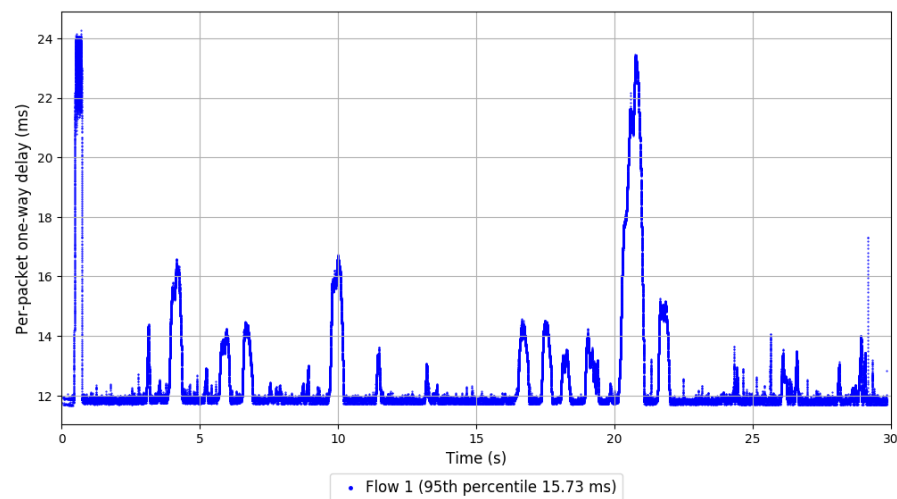
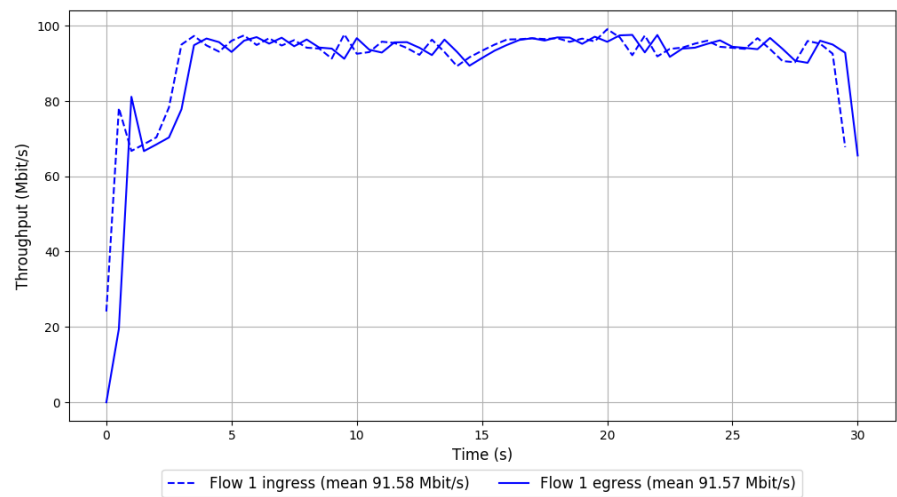
-- Flow 1:

Average throughput: 91.57 Mbit/s

95th percentile per-packet one-way delay: 15.731 ms

Loss rate: 0.08%

Run 9: Report of PCC-Allegro — Data Link



Run 10: Statistics of PCC-Allegro

Start at: 2018-05-25 04:14:33

End at: 2018-05-25 04:15:03

Local clock offset: 3.114 ms

Remote clock offset: 2.556 ms

Below is generated by plot.py at 2018-05-25 04:43:50

Datalink statistics

-- Total of 1 flow:

Average throughput: 62.36 Mbit/s

95th percentile per-packet one-way delay: 12.953 ms

Loss rate: 0.13%

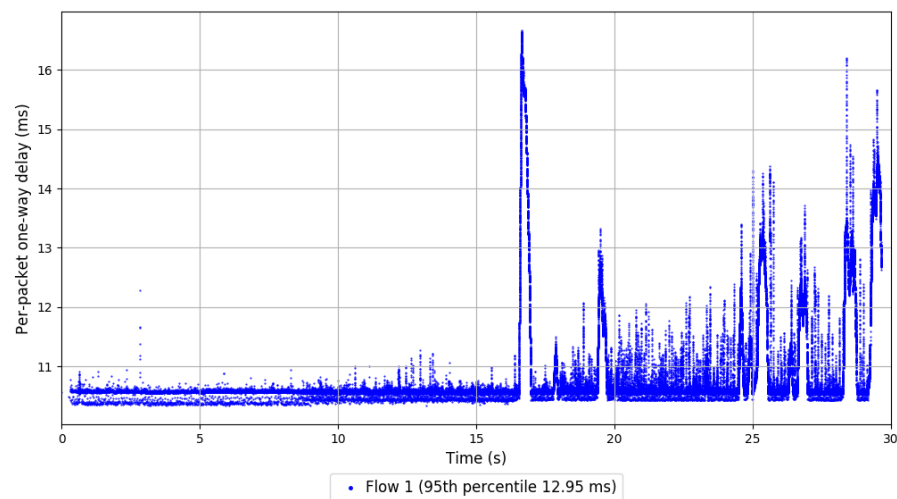
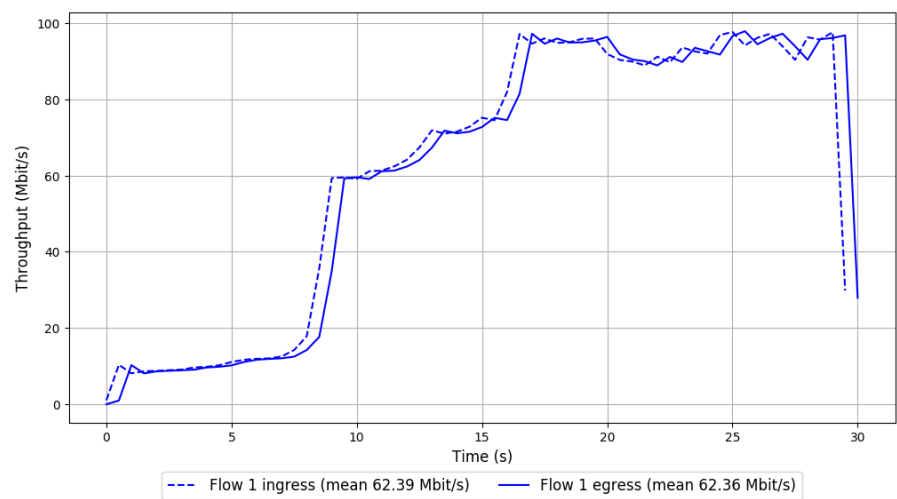
-- Flow 1:

Average throughput: 62.36 Mbit/s

95th percentile per-packet one-way delay: 12.953 ms

Loss rate: 0.13%

Run 10: Report of PCC-Allegro — Data Link



Run 1: Statistics of PCC-Expr

Start at: 2018-05-25 01:34:43

End at: 2018-05-25 01:35:13

Local clock offset: 2.686 ms

Remote clock offset: 4.741 ms

Run 1: Report of PCC-Expr — Data Link

Figure is missing

Figure is missing

Run 2: Statistics of PCC-Expr

Start at: 2018-05-25 01:53:06

End at: 2018-05-25 01:53:36

Local clock offset: 1.744 ms

Remote clock offset: -0.492 ms

Run 2: Report of PCC-Expr — Data Link

Figure is missing

Figure is missing

Run 3: Statistics of PCC-Expr

Start at: 2018-05-25 02:11:24

End at: 2018-05-25 02:11:54

Local clock offset: -0.298 ms

Remote clock offset: -6.312 ms

Run 3: Report of PCC-Expr — Data Link

Figure is missing

Figure is missing

Run 4: Statistics of PCC-Expr

Start at: 2018-05-25 02:29:42

End at: 2018-05-25 02:30:12

Local clock offset: 1.129 ms

Remote clock offset: 2.913 ms

Run 4: Report of PCC-Expr — Data Link

Figure is missing

Figure is missing

Run 5: Statistics of PCC-Expr

Start at: 2018-05-25 02:48:17

End at: 2018-05-25 02:48:47

Local clock offset: 3.002 ms

Remote clock offset: 9.094 ms

Run 5: Report of PCC-Expr — Data Link

Figure is missing

Figure is missing

Run 6: Statistics of PCC-Expr

Start at: 2018-05-25 03:06:44

End at: 2018-05-25 03:07:14

Local clock offset: 3.018 ms

Remote clock offset: 3.766 ms

Run 6: Report of PCC-Expr — Data Link

Figure is missing

Figure is missing

Run 7: Statistics of PCC-Expr

Start at: 2018-05-25 03:25:16

End at: 2018-05-25 03:25:46

Local clock offset: 2.647 ms

Remote clock offset: 1.647 ms

Run 7: Report of PCC-Expr — Data Link

Figure is missing

Figure is missing

Run 8: Statistics of PCC-Expr

Start at: 2018-05-25 03:43:55

End at: 2018-05-25 03:44:25

Local clock offset: 0.328 ms

Remote clock offset: -0.624 ms

Run 8: Report of PCC-Expr — Data Link

Figure is missing

Figure is missing

Run 9: Statistics of PCC-Expr

Start at: 2018-05-25 04:02:05

End at: 2018-05-25 04:02:35

Local clock offset: 2.941 ms

Remote clock offset: -0.604 ms

Run 9: Report of PCC-Expr — Data Link

Figure is missing

Figure is missing

Run 10: Statistics of PCC-Expr

Start at: 2018-05-25 04:20:31

End at: 2018-05-25 04:21:01

Local clock offset: 1.778 ms

Remote clock offset: -0.733 ms

Run 10: Report of PCC-Expr — Data Link

Figure is missing

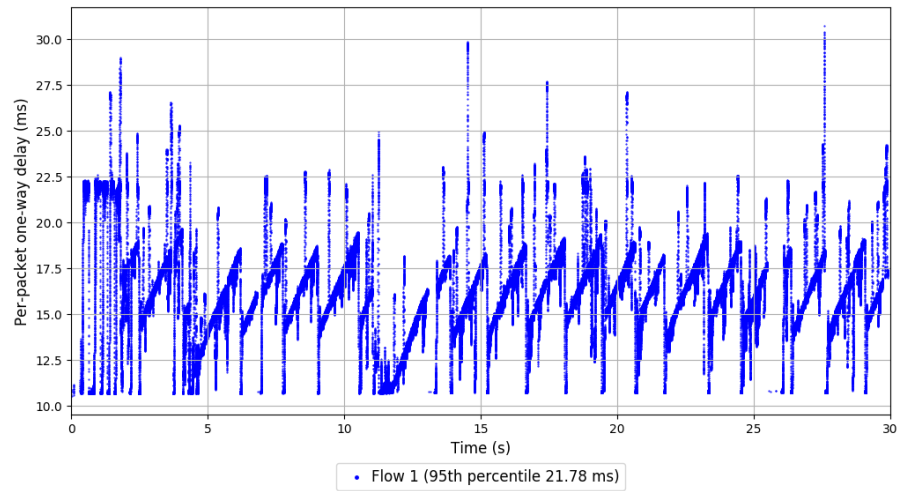
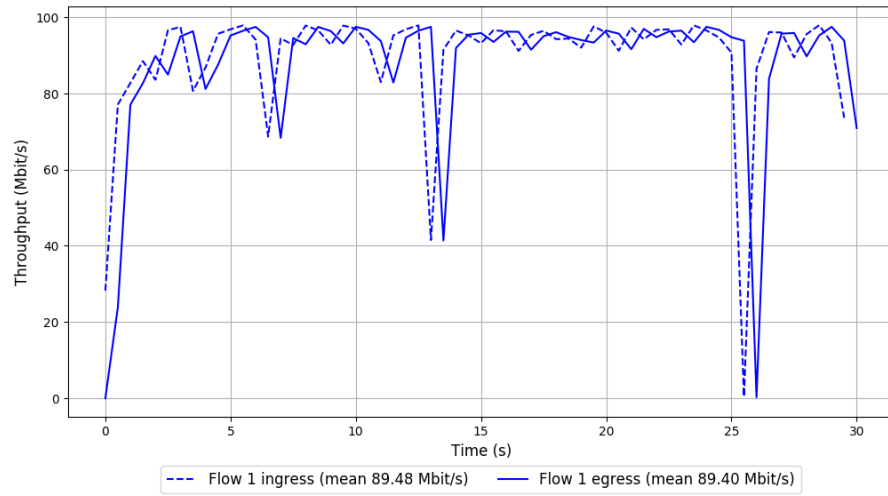
Figure is missing

```
Run 1: Statistics of QUIC Cubic

Start at: 2018-05-25 01:25:33
End at: 2018-05-25 01:26:03
Local clock offset: 1.128 ms
Remote clock offset: 5.294 ms

# Below is generated by plot.py at 2018-05-25 04:44:42
# Datalink statistics
-- Total of 1 flow:
Average throughput: 89.40 Mbit/s
95th percentile per-packet one-way delay: 21.784 ms
Loss rate: 0.16%
-- Flow 1:
Average throughput: 89.40 Mbit/s
95th percentile per-packet one-way delay: 21.784 ms
Loss rate: 0.16%
```

Run 1: Report of QUIC Cubic — Data Link



Run 2: Statistics of QUIC Cubic

Start at: 2018-05-25 01:44:00

End at: 2018-05-25 01:44:30

Local clock offset: 2.277 ms

Remote clock offset: 4.425 ms

Below is generated by plot.py at 2018-05-25 04:44:43

Datalink statistics

-- Total of 1 flow:

Average throughput: 90.01 Mbit/s

95th percentile per-packet one-way delay: 21.227 ms

Loss rate: 0.11%

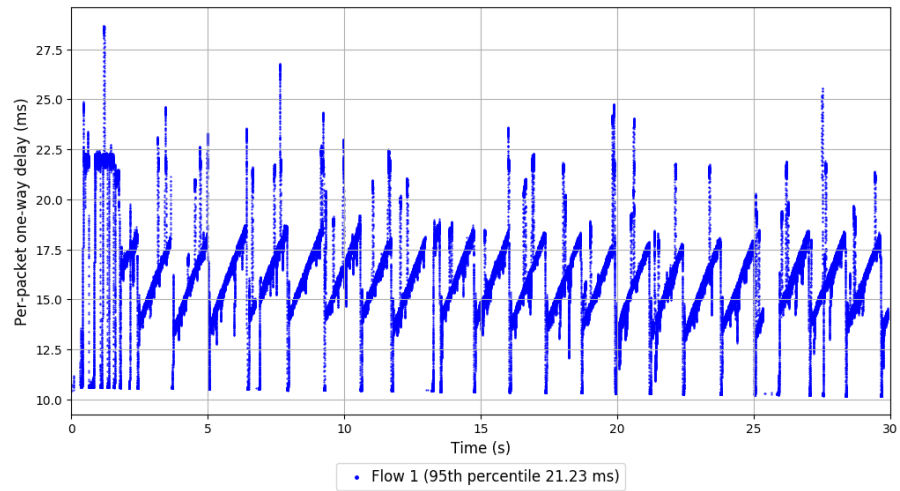
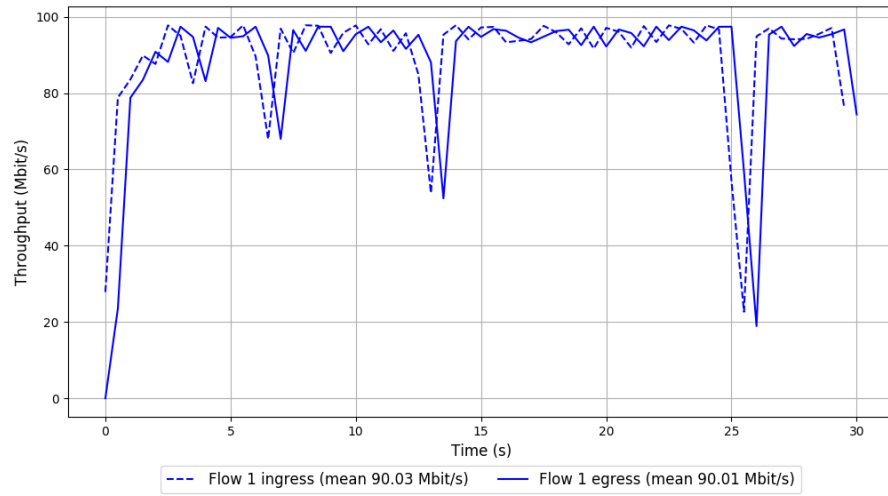
-- Flow 1:

Average throughput: 90.01 Mbit/s

95th percentile per-packet one-way delay: 21.227 ms

Loss rate: 0.11%

Run 2: Report of QUIC Cubic — Data Link



Run 3: Statistics of QUIC Cubic

Start at: 2018-05-25 02:02:22

End at: 2018-05-25 02:02:52

Local clock offset: 2.315 ms

Remote clock offset: -3.982 ms

Below is generated by plot.py at 2018-05-25 04:44:55

Datalink statistics

-- Total of 1 flow:

Average throughput: 89.68 Mbit/s

95th percentile per-packet one-way delay: 24.014 ms

Loss rate: 0.12%

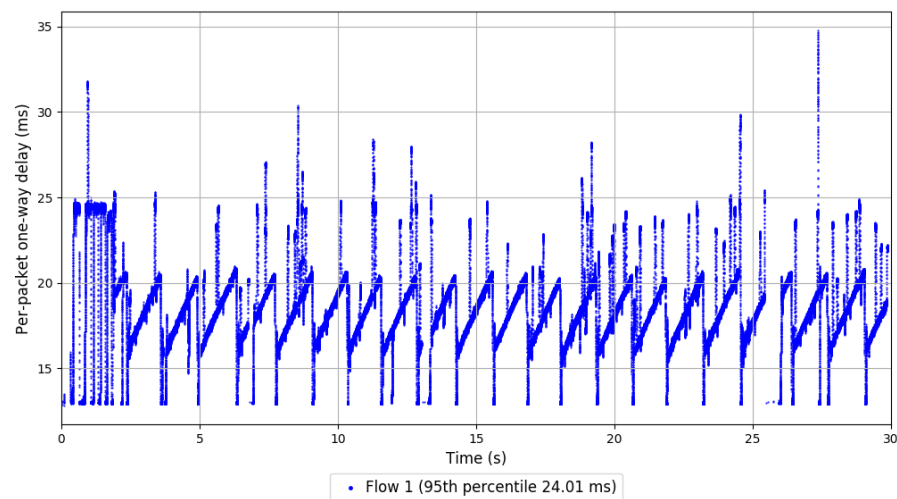
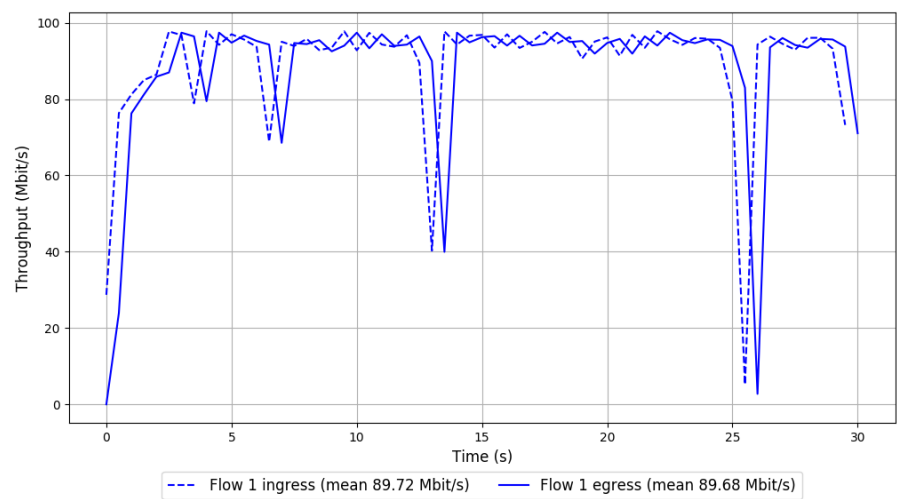
-- Flow 1:

Average throughput: 89.68 Mbit/s

95th percentile per-packet one-way delay: 24.014 ms

Loss rate: 0.12%

Run 3: Report of QUIC Cubic — Data Link



Run 4: Statistics of QUIC Cubic

Start at: 2018-05-25 02:20:37

End at: 2018-05-25 02:21:07

Local clock offset: 2.766 ms

Remote clock offset: 0.895 ms

Below is generated by plot.py at 2018-05-25 04:45:01

Datalink statistics

-- Total of 1 flow:

Average throughput: 90.33 Mbit/s

95th percentile per-packet one-way delay: 20.395 ms

Loss rate: 0.11%

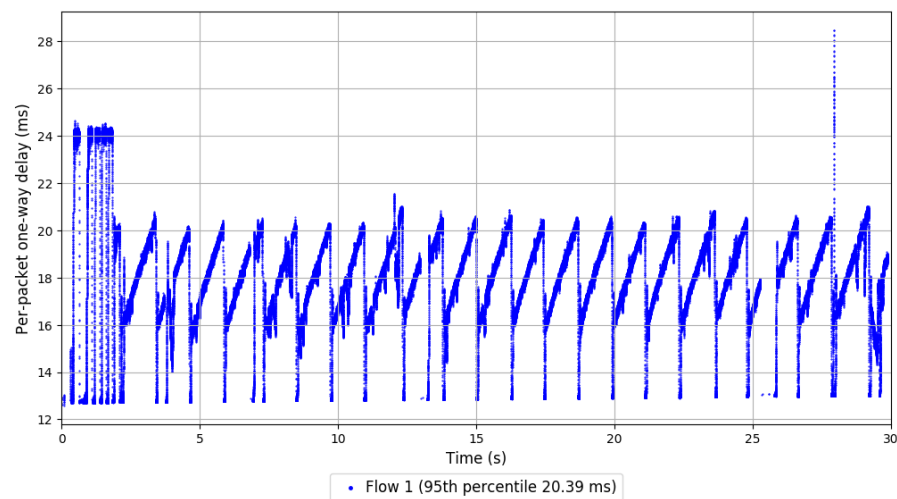
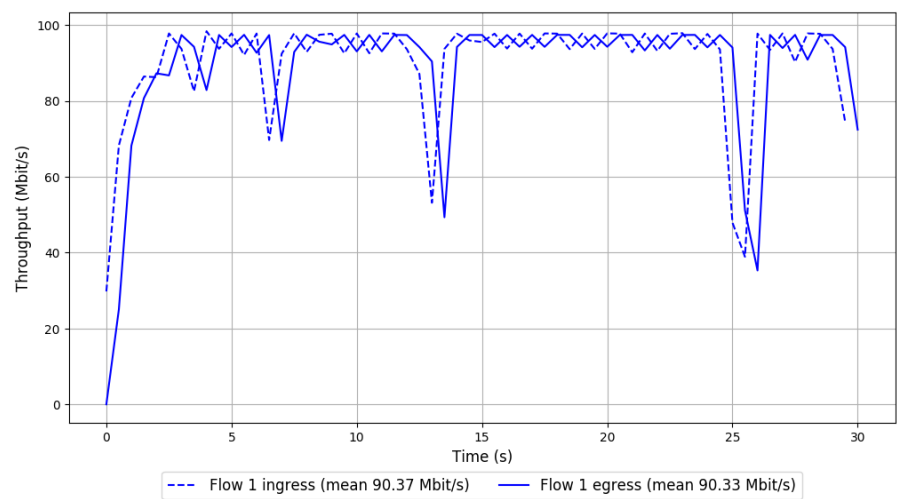
-- Flow 1:

Average throughput: 90.33 Mbit/s

95th percentile per-packet one-way delay: 20.395 ms

Loss rate: 0.11%

Run 4: Report of QUIC Cubic — Data Link



Run 5: Statistics of QUIC Cubic

Start at: 2018-05-25 02:39:06

End at: 2018-05-25 02:39:36

Local clock offset: -0.043 ms

Remote clock offset: 6.746 ms

Below is generated by plot.py at 2018-05-25 04:45:09

Datalink statistics

-- Total of 1 flow:

Average throughput: 90.42 Mbit/s

95th percentile per-packet one-way delay: 18.543 ms

Loss rate: 0.11%

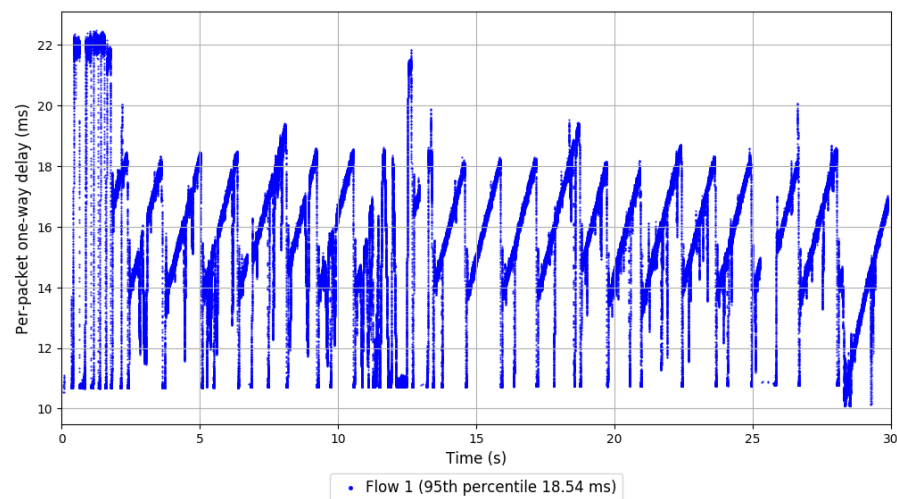
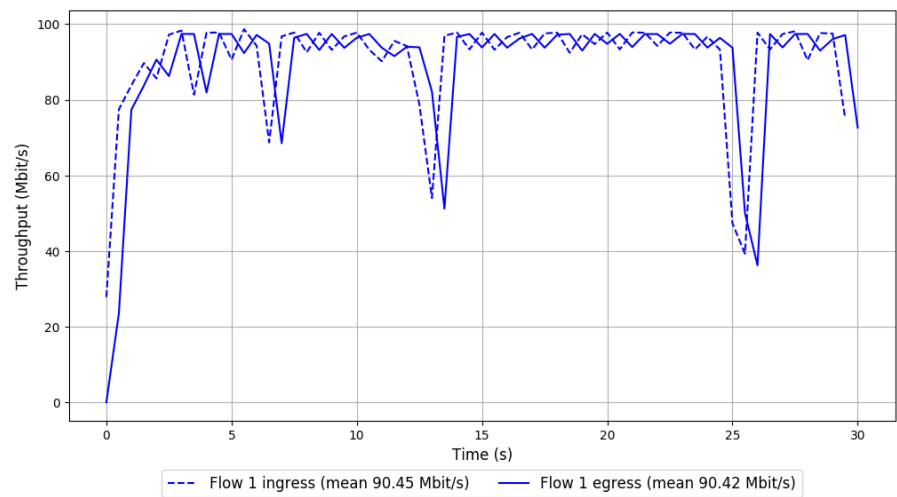
-- Flow 1:

Average throughput: 90.42 Mbit/s

95th percentile per-packet one-way delay: 18.543 ms

Loss rate: 0.11%

Run 5: Report of QUIC Cubic — Data Link



Run 6: Statistics of QUIC Cubic

Start at: 2018-05-25 02:57:35

End at: 2018-05-25 02:58:05

Local clock offset: 1.465 ms

Remote clock offset: 4.774 ms

Below is generated by plot.py at 2018-05-25 04:45:11

Datalink statistics

-- Total of 1 flow:

Average throughput: 90.86 Mbit/s

95th percentile per-packet one-way delay: 18.534 ms

Loss rate: 0.12%

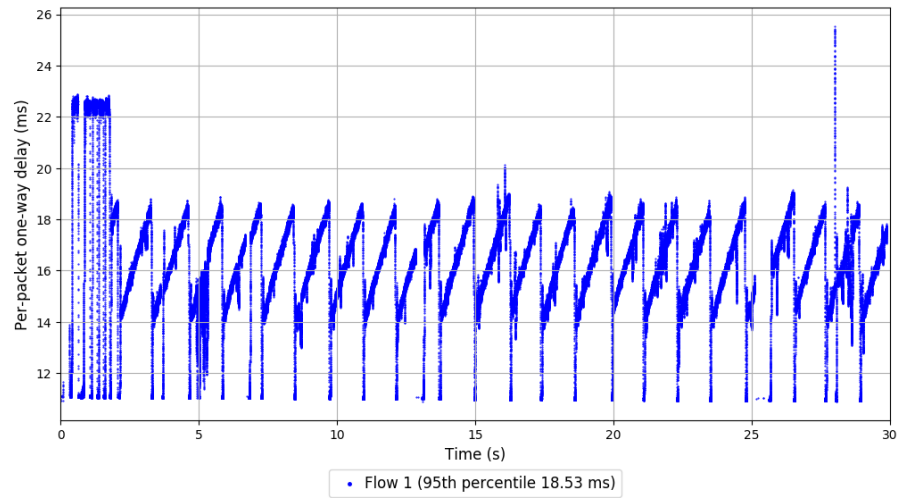
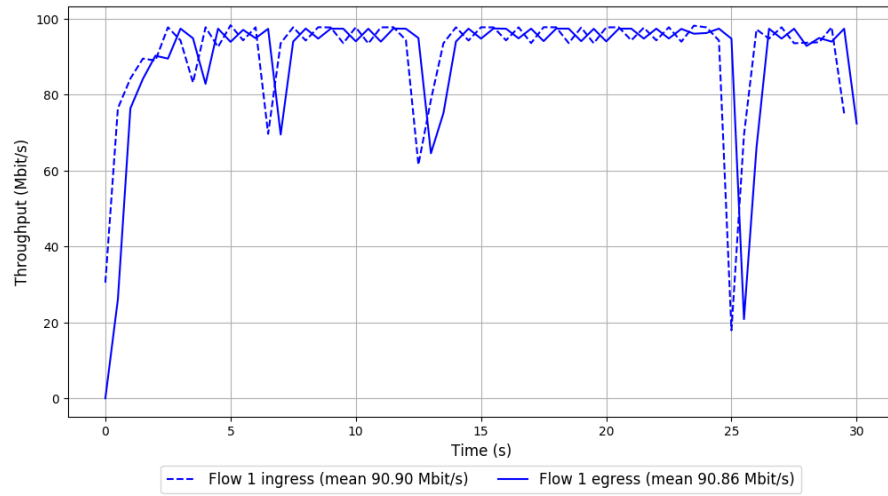
-- Flow 1:

Average throughput: 90.86 Mbit/s

95th percentile per-packet one-way delay: 18.534 ms

Loss rate: 0.12%

Run 6: Report of QUIC Cubic — Data Link



Run 7: Statistics of QUIC Cubic

Start at: 2018-05-25 03:15:59

End at: 2018-05-25 03:16:29

Local clock offset: 1.501 ms

Remote clock offset: 2.392 ms

Below is generated by plot.py at 2018-05-25 04:45:13

Datalink statistics

-- Total of 1 flow:

Average throughput: 89.99 Mbit/s

95th percentile per-packet one-way delay: 19.124 ms

Loss rate: 0.12%

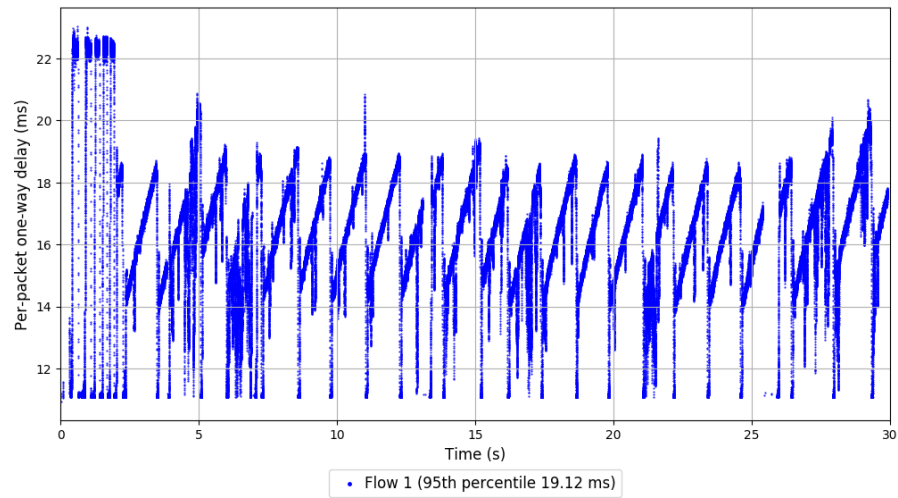
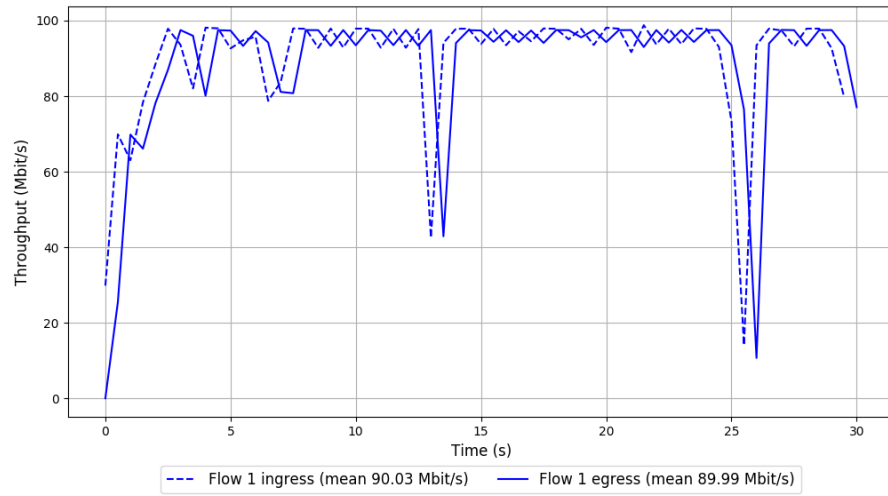
-- Flow 1:

Average throughput: 89.99 Mbit/s

95th percentile per-packet one-way delay: 19.124 ms

Loss rate: 0.12%

Run 7: Report of QUIC Cubic — Data Link



Run 8: Statistics of QUIC Cubic

Start at: 2018-05-25 03:34:43

End at: 2018-05-25 03:35:13

Local clock offset: 1.154 ms

Remote clock offset: 1.782 ms

Below is generated by plot.py at 2018-05-25 04:45:20

Datalink statistics

-- Total of 1 flow:

Average throughput: 87.14 Mbit/s

95th percentile per-packet one-way delay: 17.953 ms

Loss rate: 0.12%

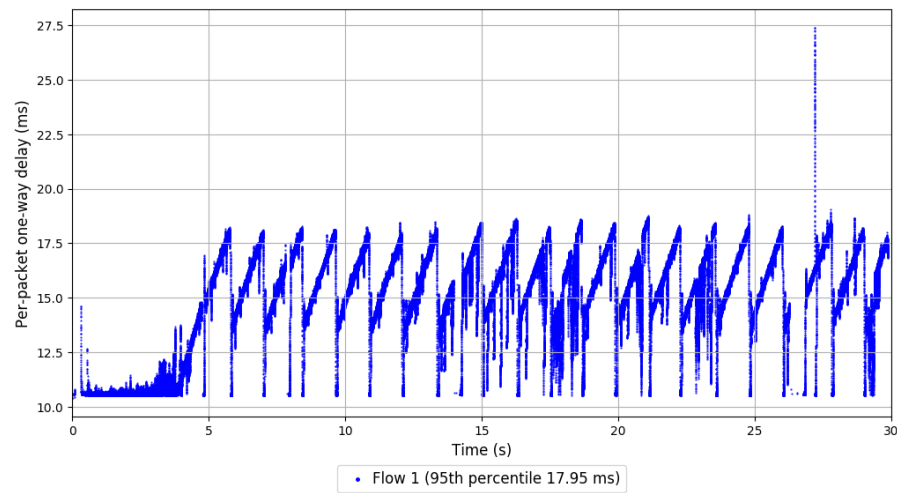
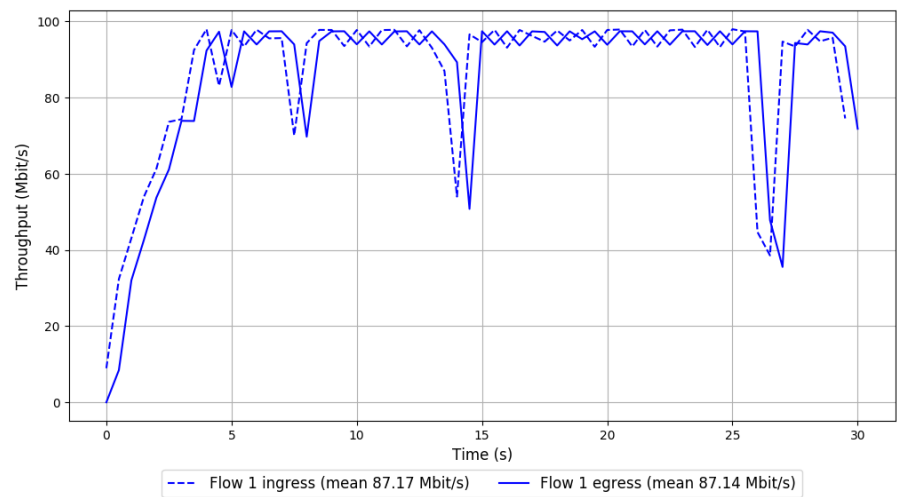
-- Flow 1:

Average throughput: 87.14 Mbit/s

95th percentile per-packet one-way delay: 17.953 ms

Loss rate: 0.12%

Run 8: Report of QUIC Cubic — Data Link



Run 9: Statistics of QUIC Cubic

Start at: 2018-05-25 03:53:05

End at: 2018-05-25 03:53:35

Local clock offset: 0.696 ms

Remote clock offset: 0.524 ms

Below is generated by plot.py at 2018-05-25 04:46:12

Datalink statistics

-- Total of 1 flow:

Average throughput: 87.41 Mbit/s

95th percentile per-packet one-way delay: 18.542 ms

Loss rate: 0.10%

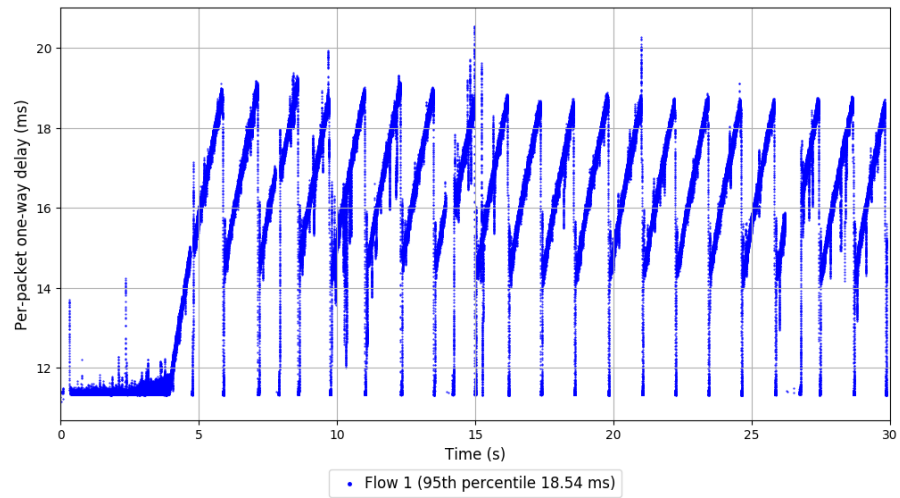
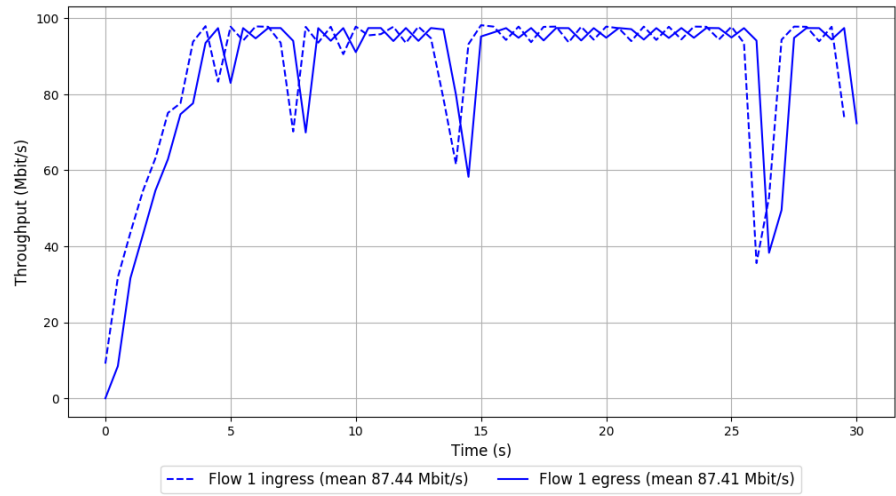
-- Flow 1:

Average throughput: 87.41 Mbit/s

95th percentile per-packet one-way delay: 18.542 ms

Loss rate: 0.10%

Run 9: Report of QUIC Cubic — Data Link



Run 10: Statistics of QUIC Cubic

Start at: 2018-05-25 04:11:11

End at: 2018-05-25 04:11:41

Local clock offset: 4.104 ms

Remote clock offset: 1.635 ms

Below is generated by plot.py at 2018-05-25 04:46:15

Datalink statistics

-- Total of 1 flow:

Average throughput: 90.67 Mbit/s

95th percentile per-packet one-way delay: 20.373 ms

Loss rate: 0.11%

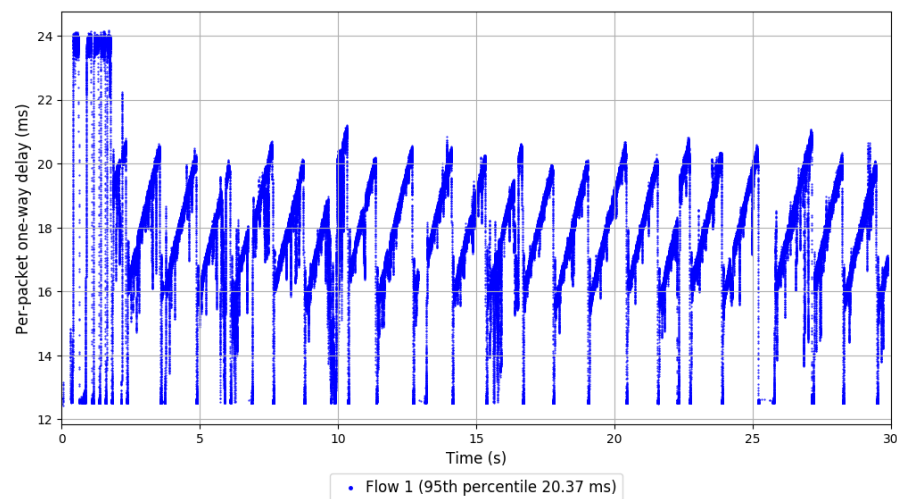
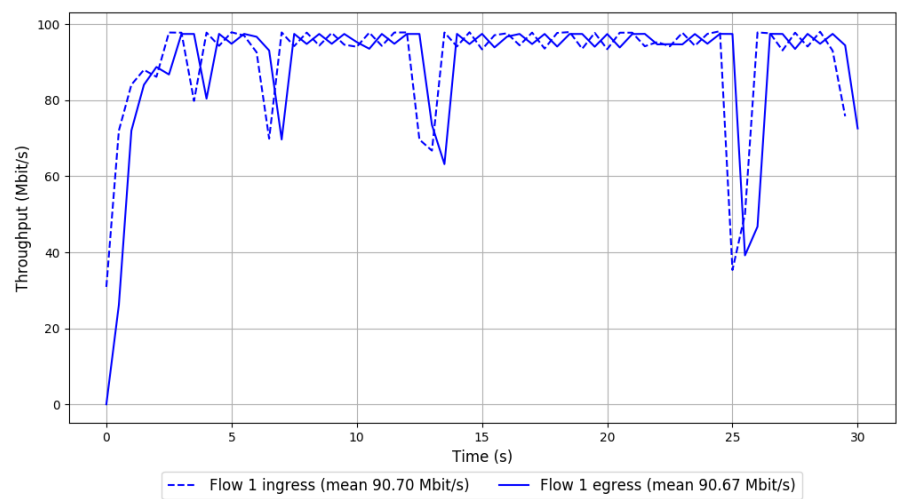
-- Flow 1:

Average throughput: 90.67 Mbit/s

95th percentile per-packet one-way delay: 20.373 ms

Loss rate: 0.11%

Run 10: Report of QUIC Cubic — Data Link

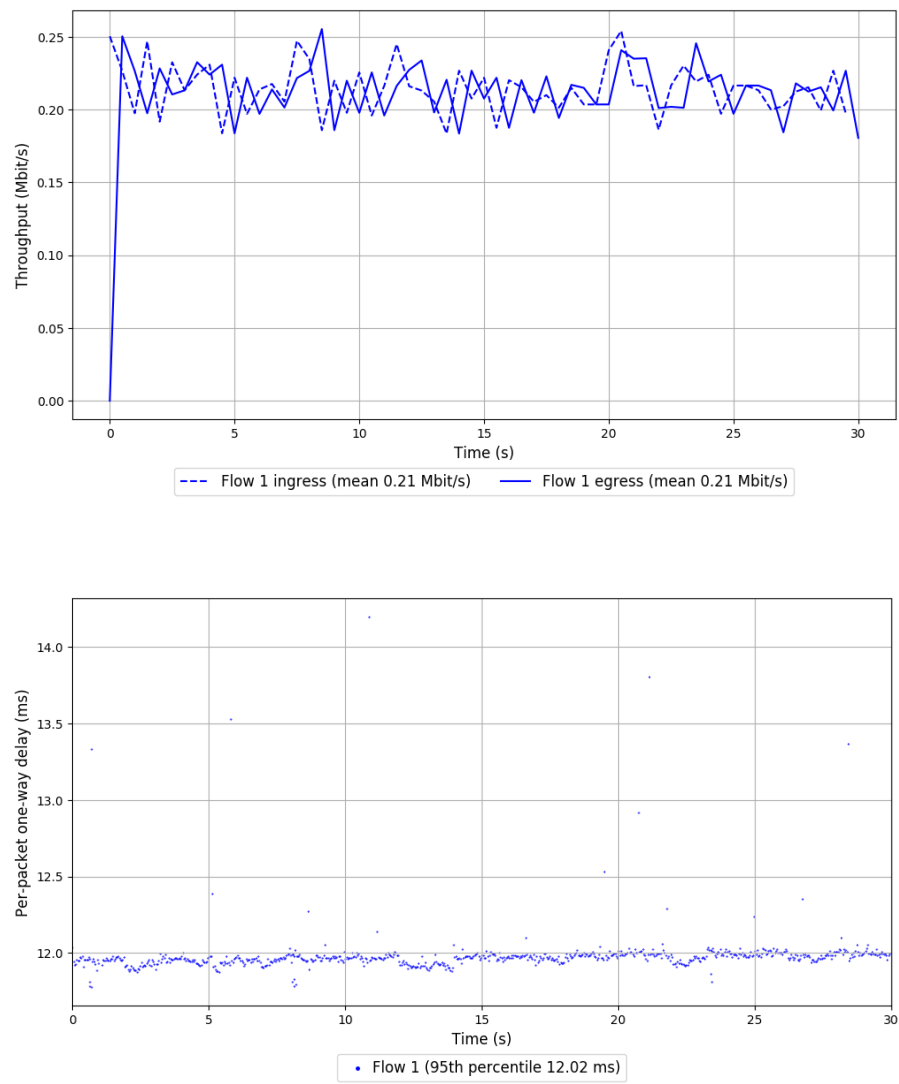


```
Run 1: Statistics of SCReAM

Start at: 2018-05-25 01:27:55
End at: 2018-05-25 01:28:25
Local clock offset: 1.872 ms
Remote clock offset: 5.131 ms

# Below is generated by plot.py at 2018-05-25 04:46:16
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 12.024 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 12.024 ms
Loss rate: 0.13%
```

Run 1: Report of SReAM — Data Link

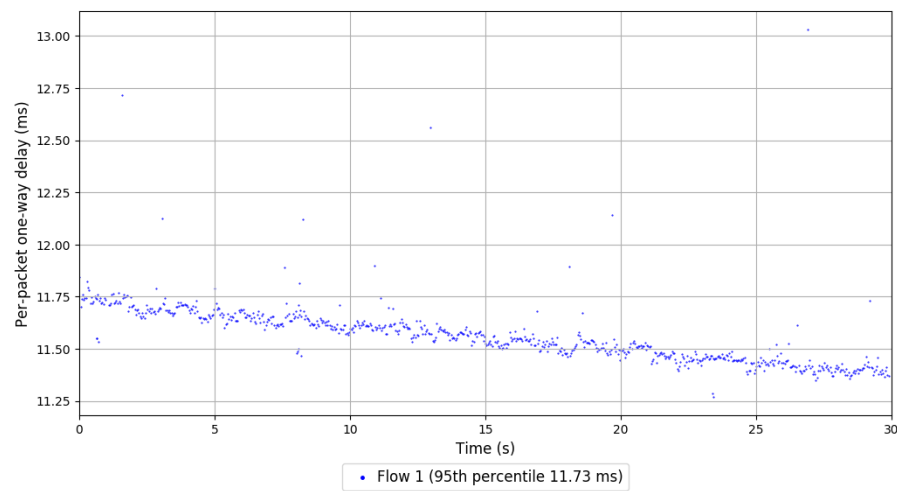
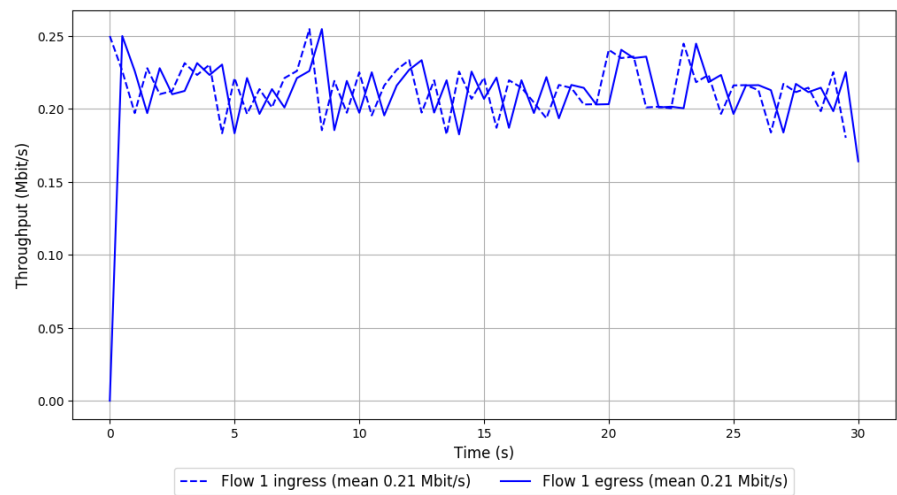


```
Run 2: Statistics of SCReAM

Start at: 2018-05-25 01:46:21
End at: 2018-05-25 01:46:51
Local clock offset: 2.153 ms
Remote clock offset: 1.336 ms

# Below is generated by plot.py at 2018-05-25 04:46:16
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 11.735 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 11.735 ms
Loss rate: 0.13%
```

Run 2: Report of SReAM — Data Link

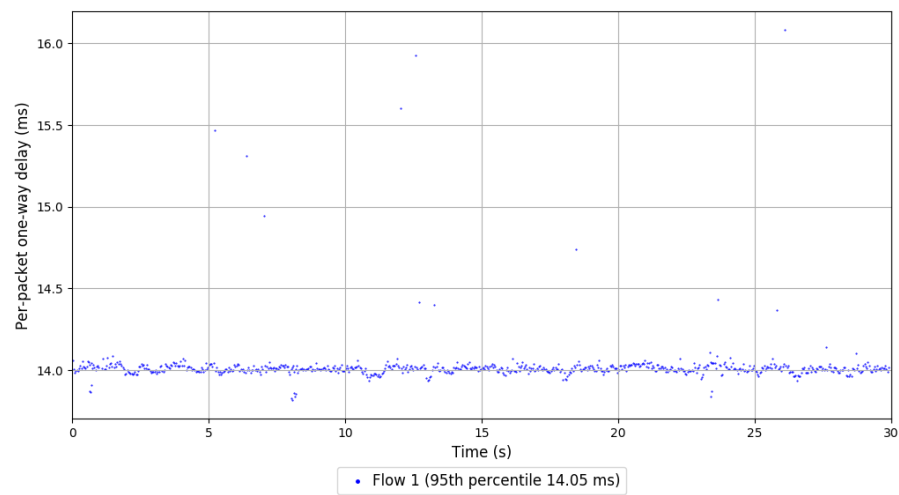
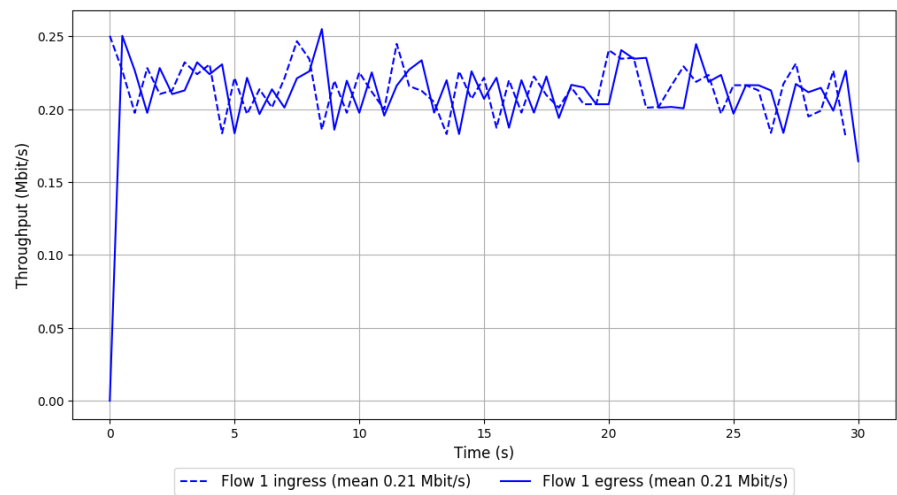


Run 3: Statistics of SCReAM

Start at: 2018-05-25 02:04:42
End at: 2018-05-25 02:05:12
Local clock offset: 3.75 ms
Remote clock offset: -3.625 ms

Below is generated by plot.py at 2018-05-25 04:46:16
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 14.050 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 14.050 ms
Loss rate: 0.13%

Run 3: Report of SReAM — Data Link



Run 4: Statistics of SCReAM

Start at: 2018-05-25 02:22:57

End at: 2018-05-25 02:23:27

Local clock offset: 2.078 ms

Remote clock offset: 2.332 ms

Below is generated by plot.py at 2018-05-25 04:46:16

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.15 Mbit/s

95th percentile per-packet one-way delay: 12.175 ms

Loss rate: 0.09%

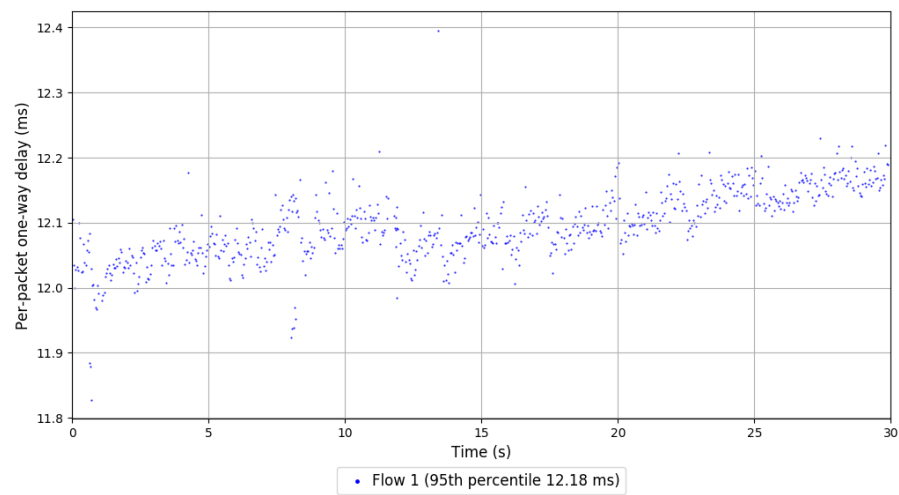
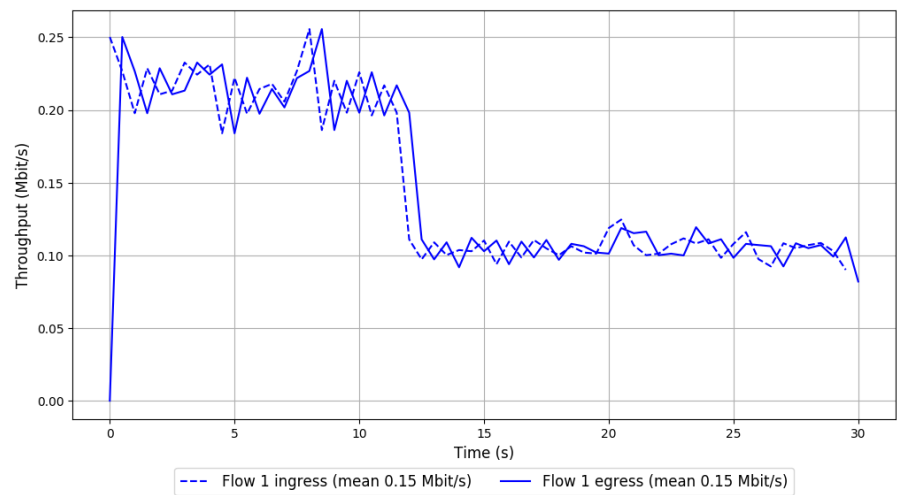
-- Flow 1:

Average throughput: 0.15 Mbit/s

95th percentile per-packet one-way delay: 12.175 ms

Loss rate: 0.09%

Run 4: Report of SReAM — Data Link



Run 5: Statistics of SCReAM

Start at: 2018-05-25 02:41:28

End at: 2018-05-25 02:41:58

Local clock offset: -0.155 ms

Remote clock offset: 7.377 ms

Below is generated by plot.py at 2018-05-25 04:46:16

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 9.858 ms

Loss rate: 0.13%

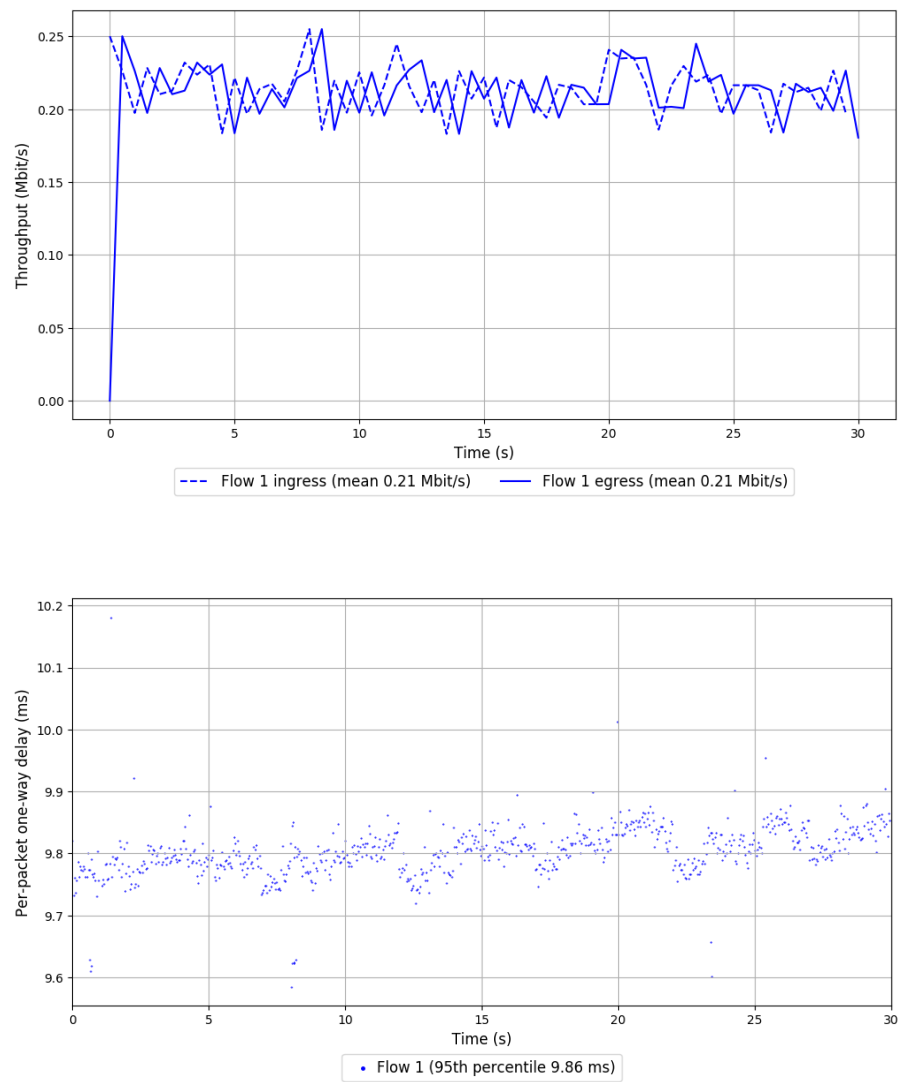
-- Flow 1:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 9.858 ms

Loss rate: 0.13%

Run 5: Report of SCRaM — Data Link



Run 6: Statistics of SCReAM

Start at: 2018-05-25 02:59:56

End at: 2018-05-25 03:00:26

Local clock offset: 1.556 ms

Remote clock offset: 5.008 ms

Below is generated by plot.py at 2018-05-25 04:46:16

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 10.367 ms

Loss rate: 0.13%

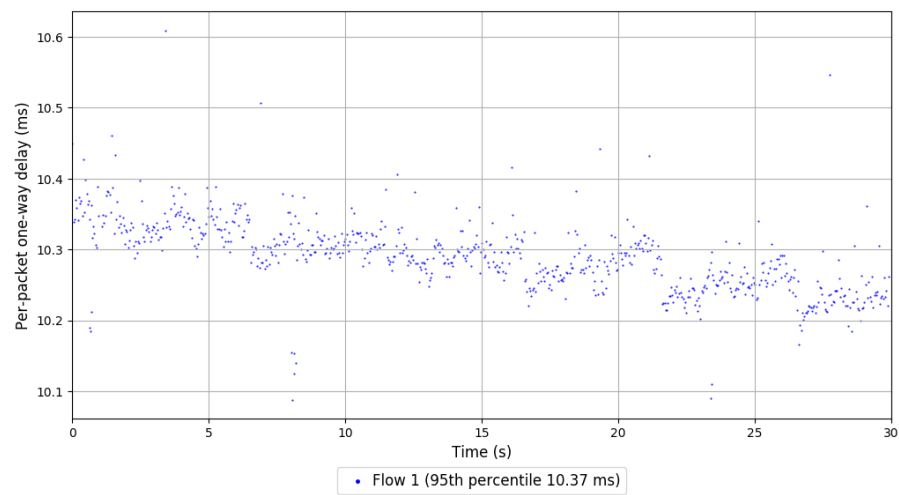
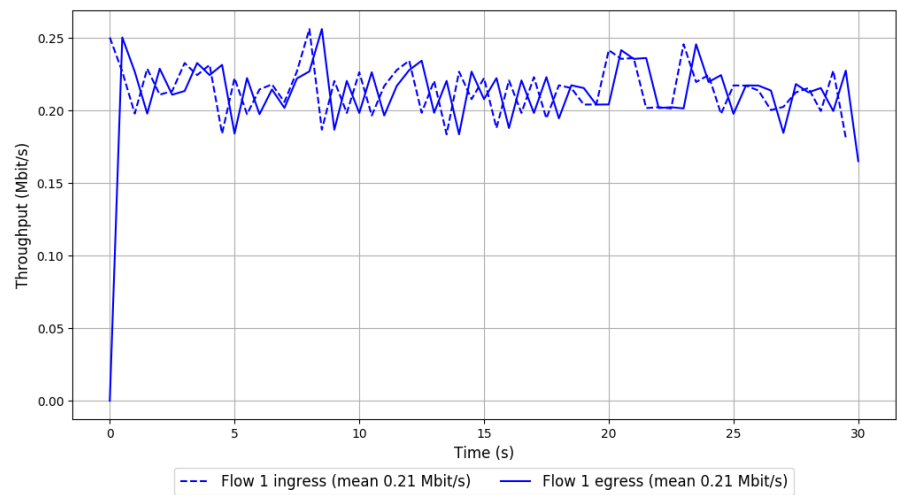
-- Flow 1:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 10.367 ms

Loss rate: 0.13%

Run 6: Report of SReAM — Data Link



Run 7: Statistics of SCReAM

Start at: 2018-05-25 03:18:23

End at: 2018-05-25 03:18:53

Local clock offset: 2.772 ms

Remote clock offset: 3.846 ms

Below is generated by plot.py at 2018-05-25 04:46:16

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 11.032 ms

Loss rate: 0.13%

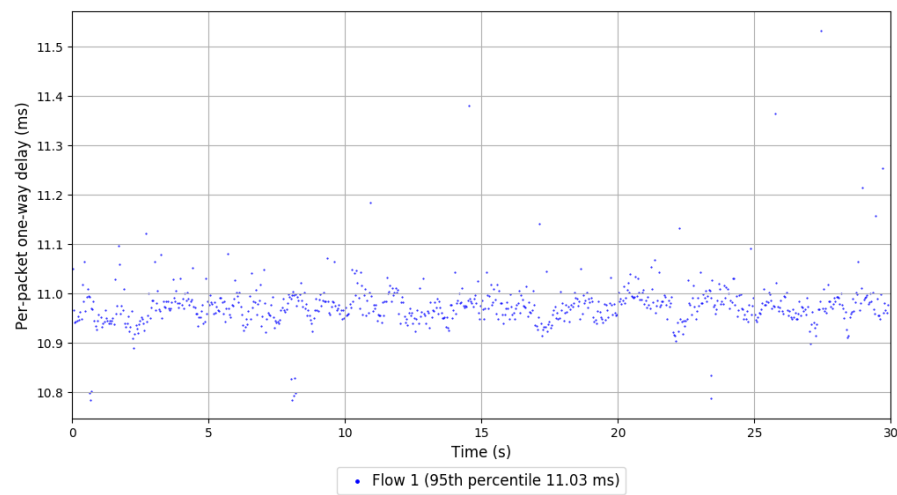
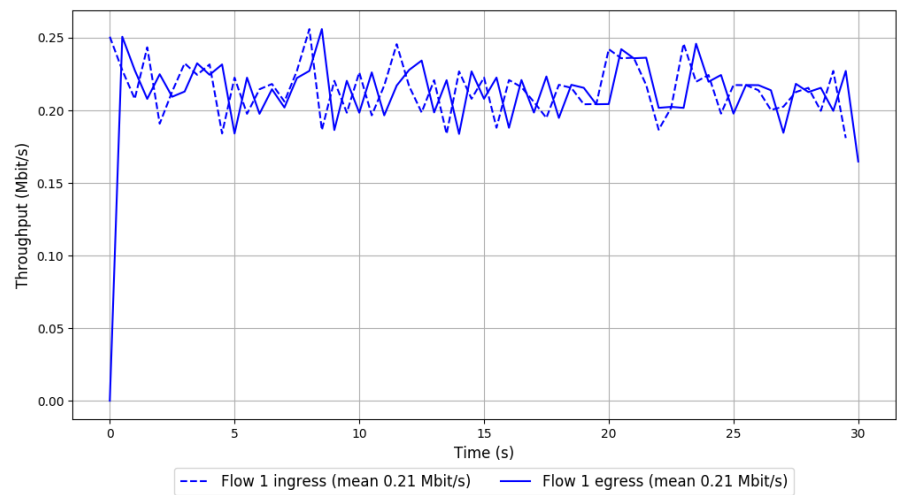
-- Flow 1:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 11.032 ms

Loss rate: 0.13%

Run 7: Report of SReAM — Data Link



Run 8: Statistics of SCReAM

Start at: 2018-05-25 03:37:04

End at: 2018-05-25 03:37:34

Local clock offset: 2.774 ms

Remote clock offset: 0.168 ms

Below is generated by plot.py at 2018-05-25 04:46:16

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 13.928 ms

Loss rate: 0.00%

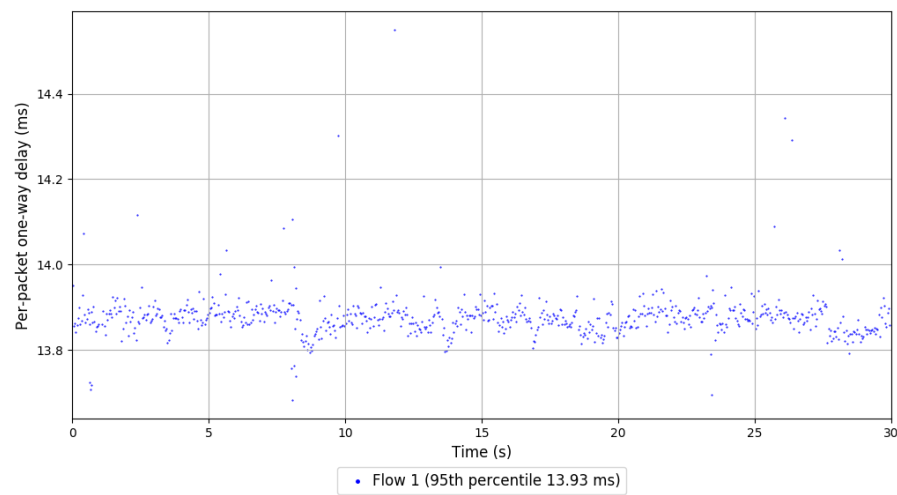
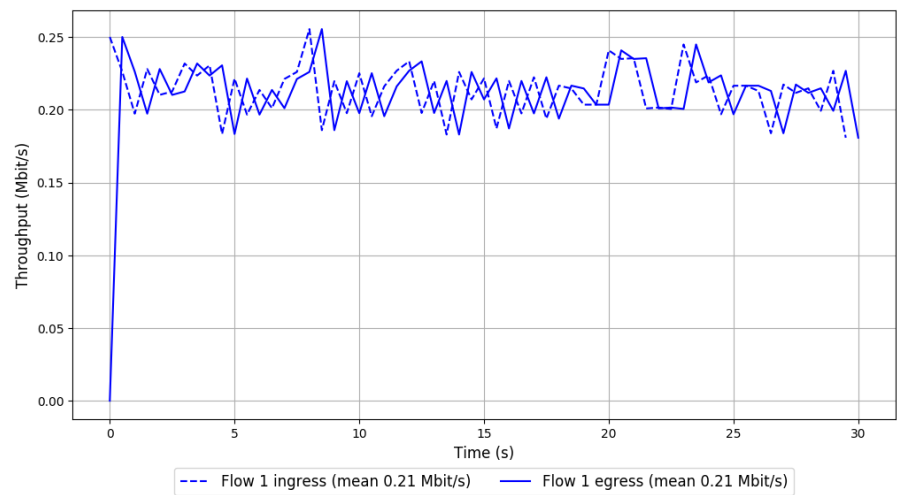
-- Flow 1:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 13.928 ms

Loss rate: 0.00%

Run 8: Report of SCSReAM — Data Link

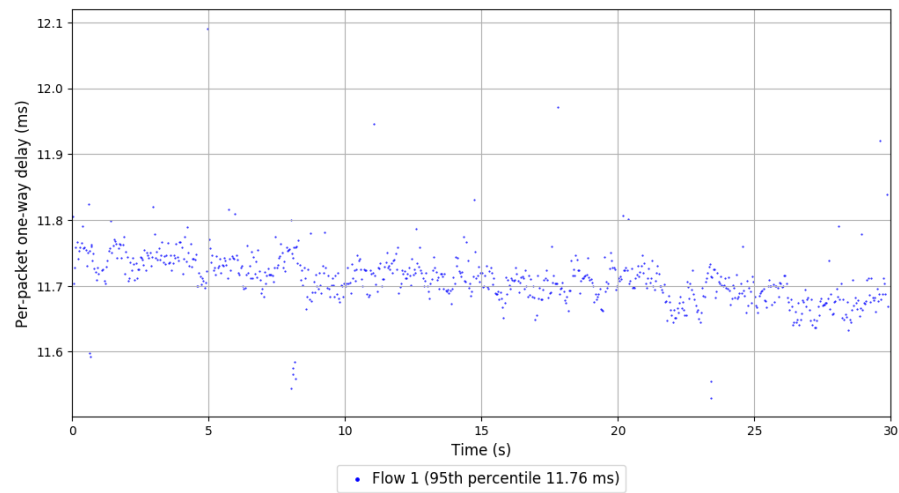
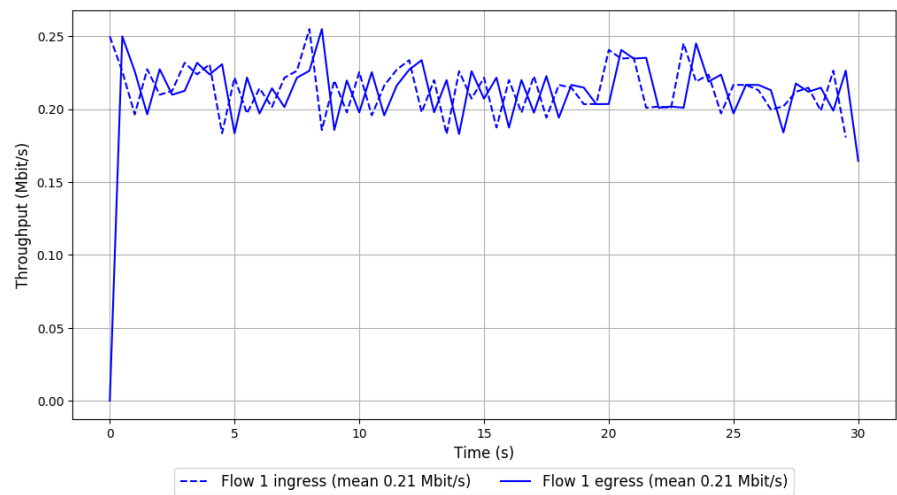


Run 9: Statistics of SCReAM

Start at: 2018-05-25 03:55:23
End at: 2018-05-25 03:55:53
Local clock offset: 0.363 ms
Remote clock offset: -0.169 ms

Below is generated by plot.py at 2018-05-25 04:46:16
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 11.764 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 11.764 ms
Loss rate: 0.13%

Run 9: Report of SReAM — Data Link



Run 10: Statistics of SCReAM

Start at: 2018-05-25 04:13:29

End at: 2018-05-25 04:13:59

Local clock offset: 3.295 ms

Remote clock offset: 1.683 ms

Below is generated by plot.py at 2018-05-25 04:46:16

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 11.751 ms

Loss rate: 0.13%

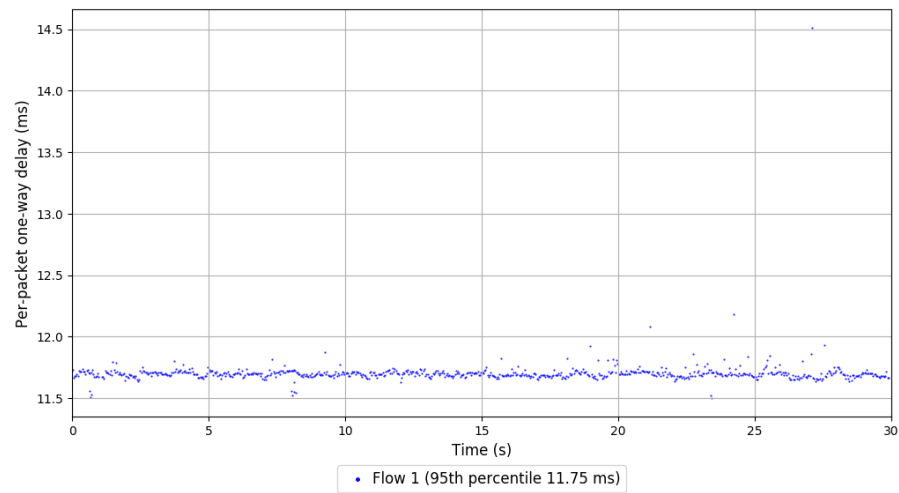
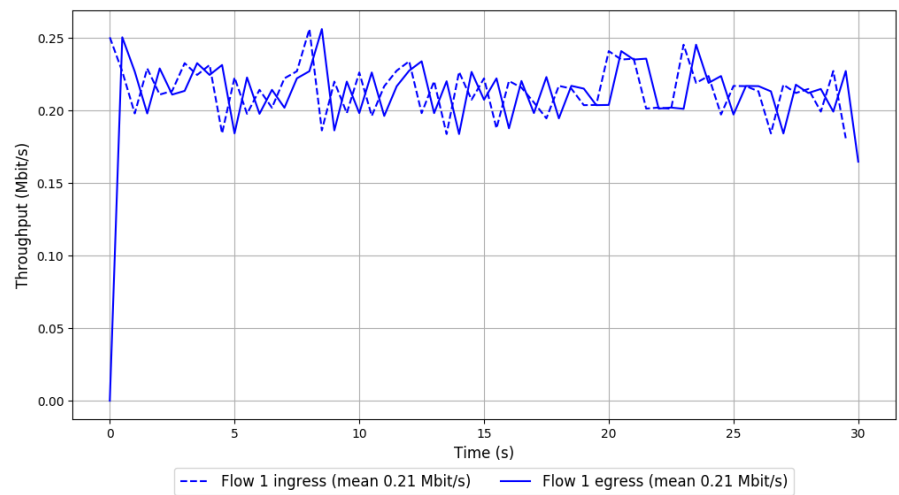
-- Flow 1:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 11.751 ms

Loss rate: 0.13%

Run 10: Report of SReAM — Data Link



Run 1: Statistics of Sprout

Start at: 2018-05-25 01:32:33

End at: 2018-05-25 01:33:03

Local clock offset: 0.997 ms

Remote clock offset: 4.775 ms

Below is generated by plot.py at 2018-05-25 04:46:16

Datalink statistics

-- Total of 1 flow:

Average throughput: 21.32 Mbit/s

95th percentile per-packet one-way delay: 19.416 ms

Loss rate: 0.07%

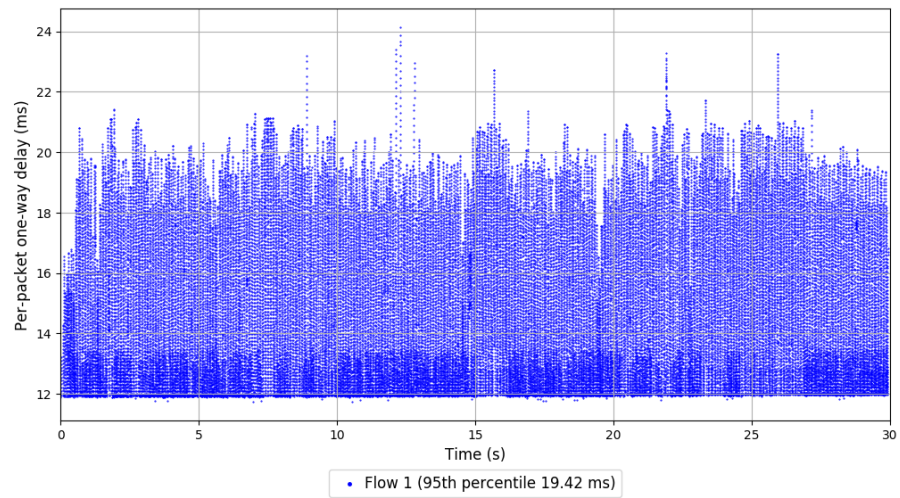
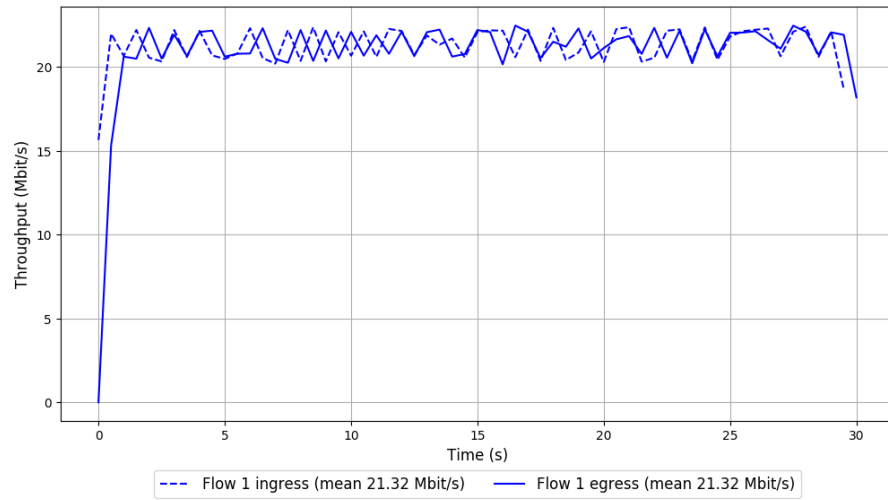
-- Flow 1:

Average throughput: 21.32 Mbit/s

95th percentile per-packet one-way delay: 19.416 ms

Loss rate: 0.07%

Run 1: Report of Sprout — Data Link



Run 2: Statistics of Sprout

Start at: 2018-05-25 01:50:56

End at: 2018-05-25 01:51:26

Local clock offset: 4.955 ms

Remote clock offset: -0.26 ms

Below is generated by plot.py at 2018-05-25 04:46:16

Datalink statistics

-- Total of 1 flow:

Average throughput: 21.47 Mbit/s

95th percentile per-packet one-way delay: 21.288 ms

Loss rate: 0.15%

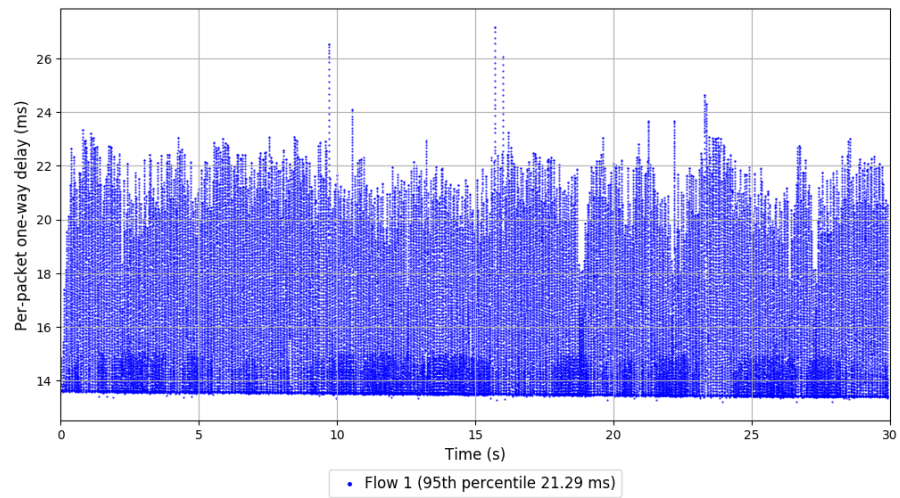
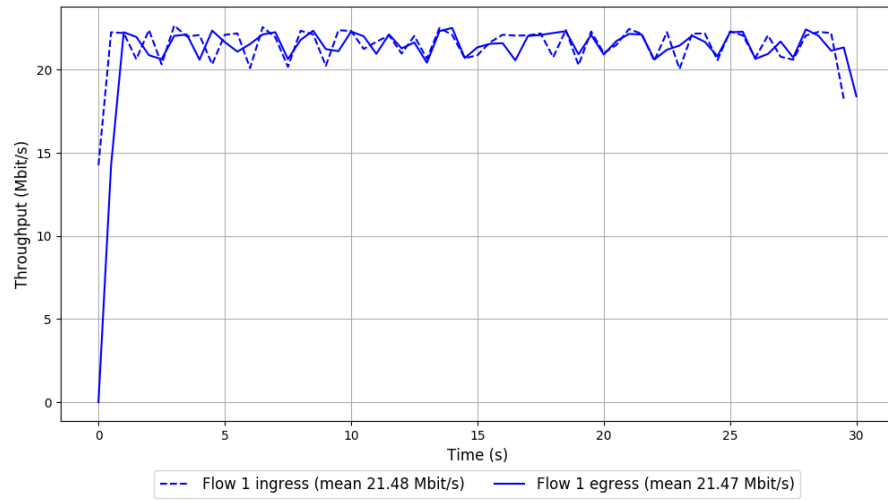
-- Flow 1:

Average throughput: 21.47 Mbit/s

95th percentile per-packet one-way delay: 21.288 ms

Loss rate: 0.15%

Run 2: Report of Sprout — Data Link

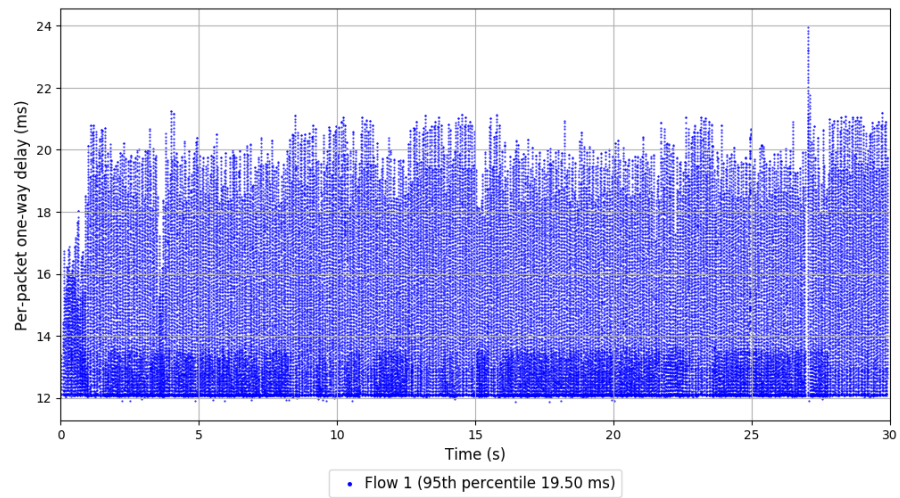
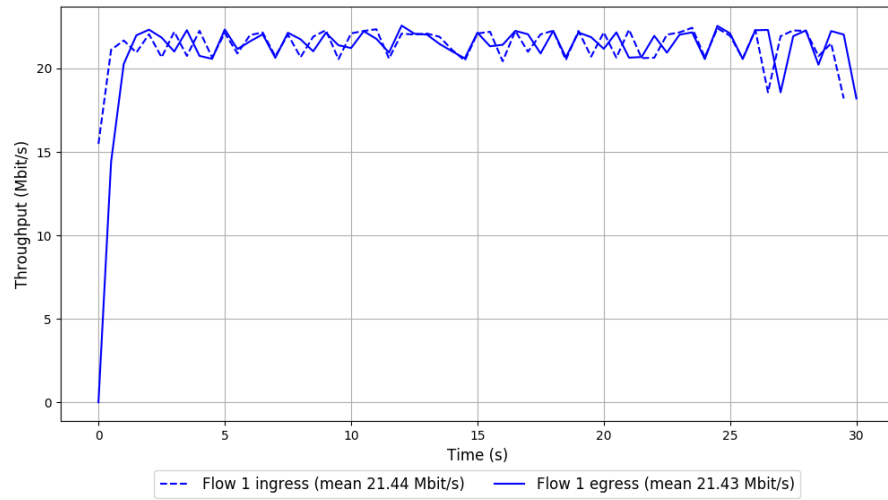


Run 3: Statistics of Sprout

Start at: 2018-05-25 02:09:14
End at: 2018-05-25 02:09:44
Local clock offset: 0.814 ms
Remote clock offset: -4.714 ms

Below is generated by plot.py at 2018-05-25 04:46:16
Datalink statistics
-- Total of 1 flow:
Average throughput: 21.43 Mbit/s
95th percentile per-packet one-way delay: 19.495 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 21.43 Mbit/s
95th percentile per-packet one-way delay: 19.495 ms
Loss rate: 0.00%

Run 3: Report of Sprout — Data Link



Run 4: Statistics of Sprout

Start at: 2018-05-25 02:27:31

End at: 2018-05-25 02:28:01

Local clock offset: 1.737 ms

Remote clock offset: 4.041 ms

Below is generated by plot.py at 2018-05-25 04:46:16

Datalink statistics

-- Total of 1 flow:

Average throughput: 21.55 Mbit/s

95th percentile per-packet one-way delay: 19.491 ms

Loss rate: 0.02%

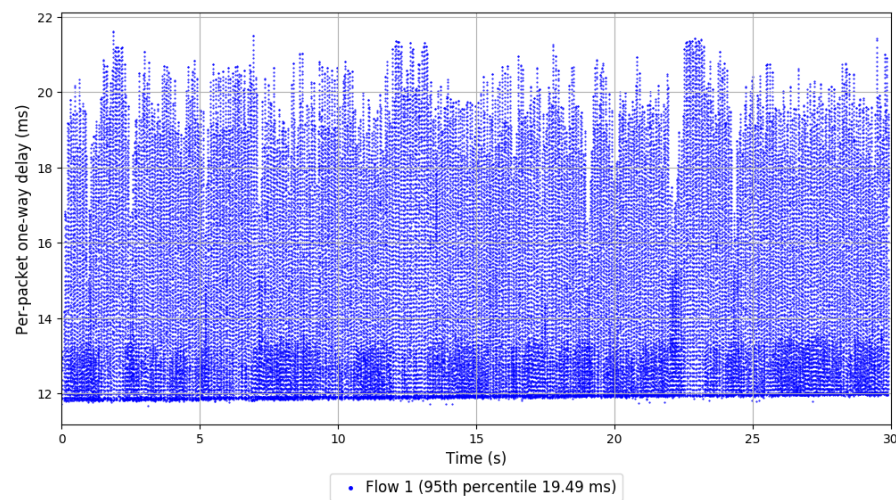
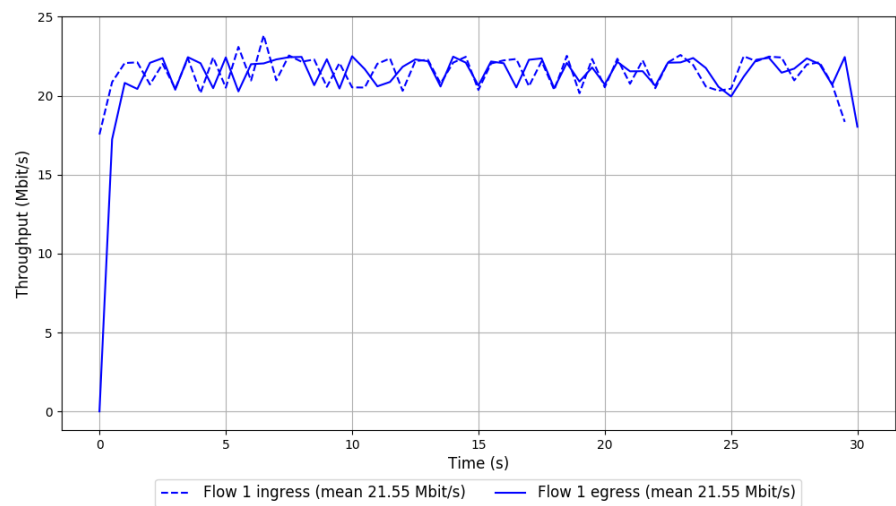
-- Flow 1:

Average throughput: 21.55 Mbit/s

95th percentile per-packet one-way delay: 19.491 ms

Loss rate: 0.02%

Run 4: Report of Sprout — Data Link



Run 5: Statistics of Sprout

Start at: 2018-05-25 02:46:02

End at: 2018-05-25 02:46:32

Local clock offset: 0.821 ms

Remote clock offset: 8.465 ms

Below is generated by plot.py at 2018-05-25 04:46:16

Datalink statistics

-- Total of 1 flow:

Average throughput: 21.46 Mbit/s

95th percentile per-packet one-way delay: 18.058 ms

Loss rate: 0.13%

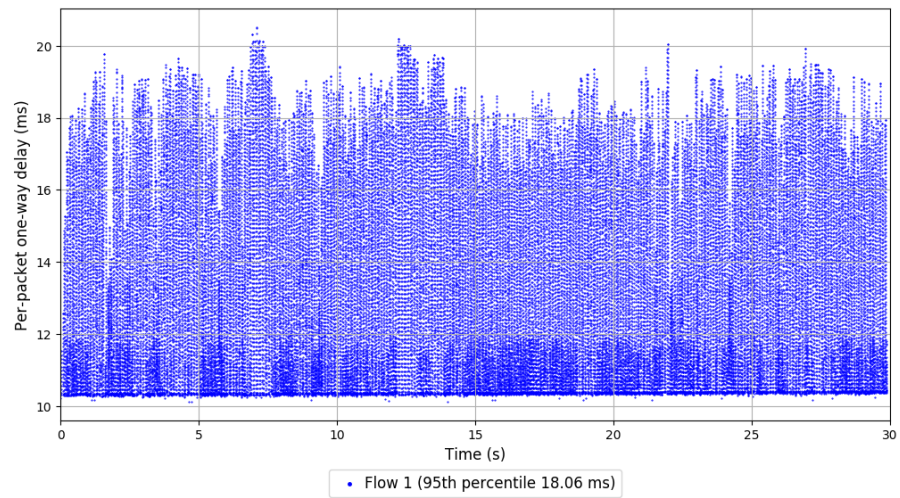
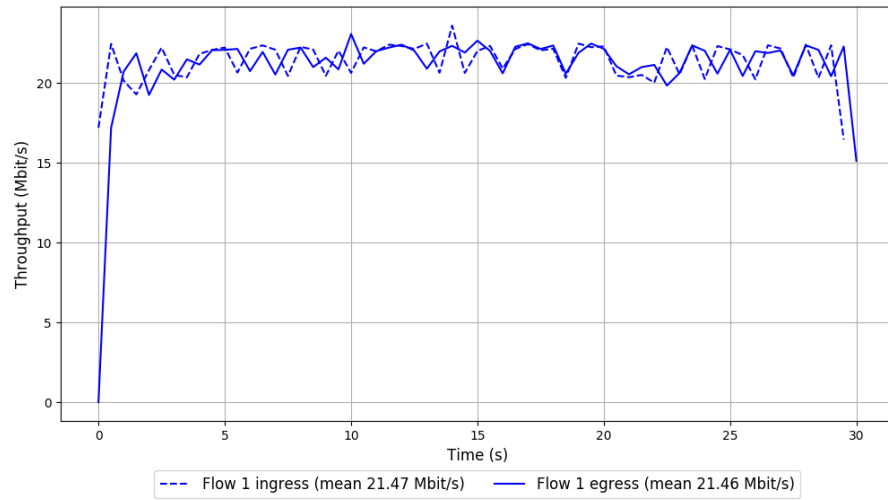
-- Flow 1:

Average throughput: 21.46 Mbit/s

95th percentile per-packet one-way delay: 18.058 ms

Loss rate: 0.13%

Run 5: Report of Sprout — Data Link



Run 6: Statistics of Sprout

Start at: 2018-05-25 03:04:34

End at: 2018-05-25 03:05:04

Local clock offset: 1.608 ms

Remote clock offset: 5.282 ms

Below is generated by plot.py at 2018-05-25 04:46:16

Datalink statistics

-- Total of 1 flow:

Average throughput: 21.17 Mbit/s

95th percentile per-packet one-way delay: 16.599 ms

Loss rate: 0.00%

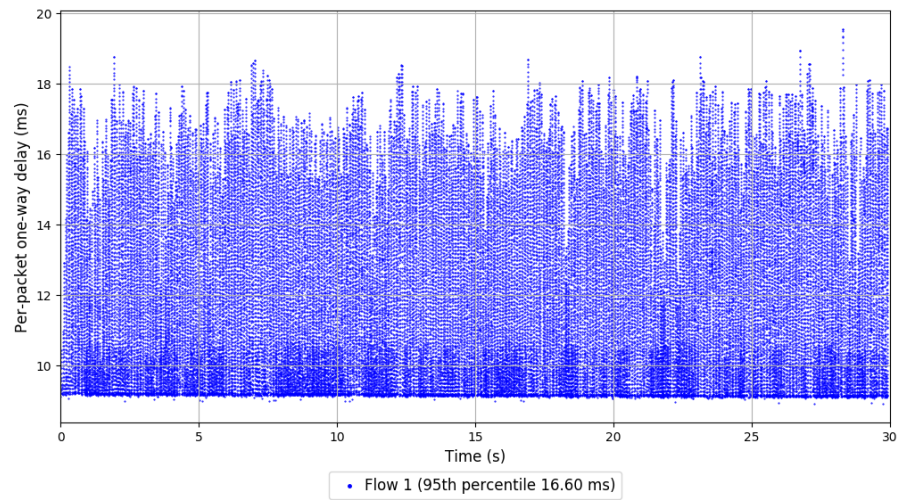
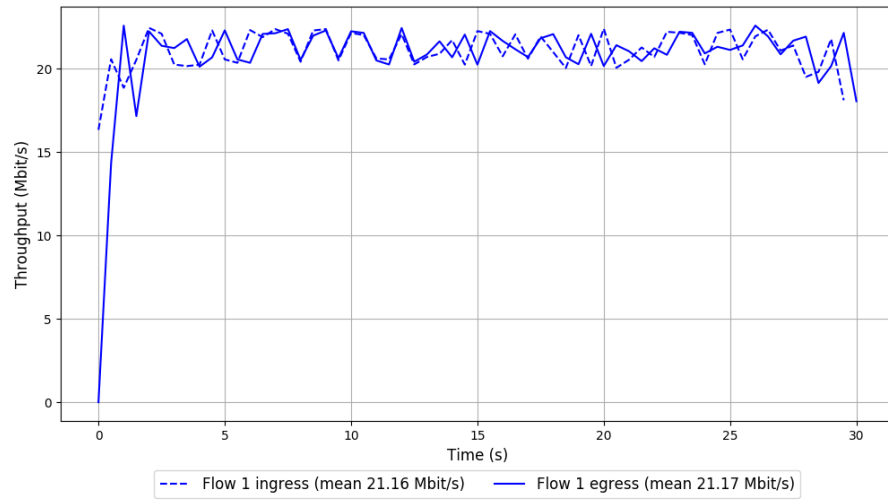
-- Flow 1:

Average throughput: 21.17 Mbit/s

95th percentile per-packet one-way delay: 16.599 ms

Loss rate: 0.00%

Run 6: Report of Sprout — Data Link



Run 7: Statistics of Sprout

Start at: 2018-05-25 03:23:00

End at: 2018-05-25 03:23:30

Local clock offset: 1.827 ms

Remote clock offset: 3.522 ms

Below is generated by plot.py at 2018-05-25 04:46:16

Datalink statistics

-- Total of 1 flow:

Average throughput: 21.63 Mbit/s

95th percentile per-packet one-way delay: 17.653 ms

Loss rate: 0.13%

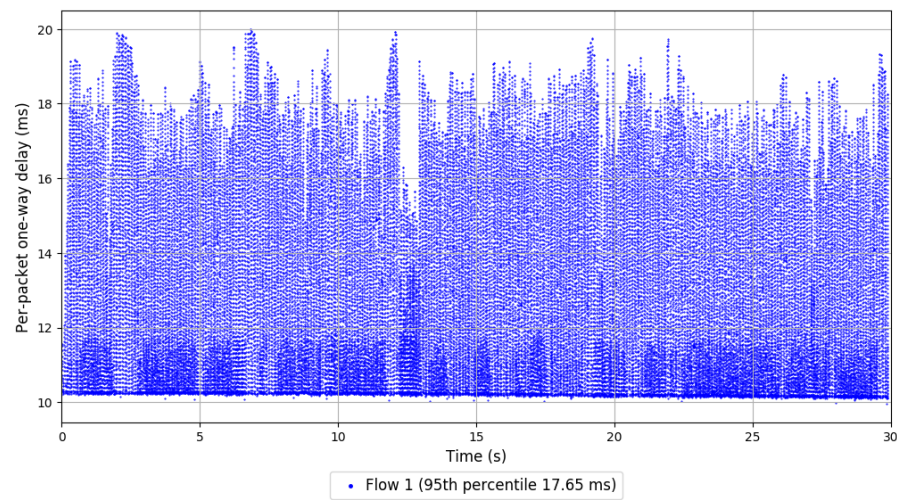
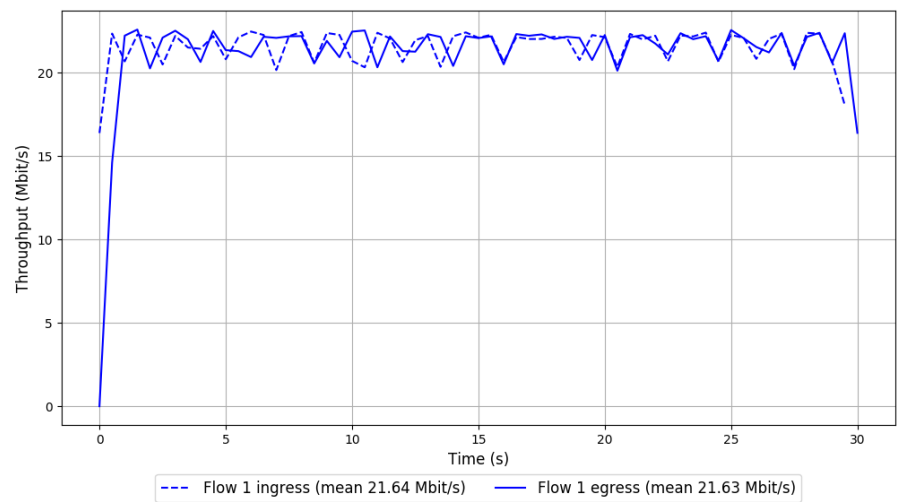
-- Flow 1:

Average throughput: 21.63 Mbit/s

95th percentile per-packet one-way delay: 17.653 ms

Loss rate: 0.13%

Run 7: Report of Sprout — Data Link



Run 8: Statistics of Sprout

Start at: 2018-05-25 03:41:45

End at: 2018-05-25 03:42:15

Local clock offset: 0.458 ms

Remote clock offset: 1.387 ms

Below is generated by plot.py at 2018-05-25 04:46:16

Datalink statistics

-- Total of 1 flow:

Average throughput: 21.08 Mbit/s

95th percentile per-packet one-way delay: 17.655 ms

Loss rate: 0.08%

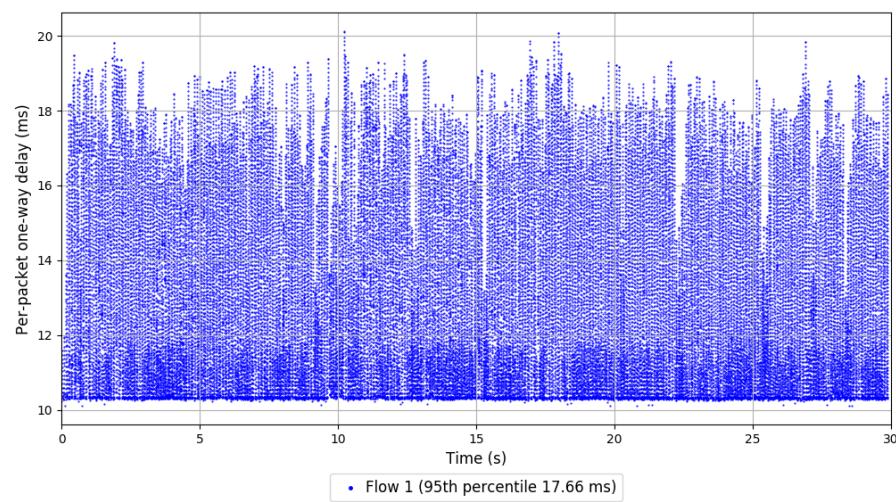
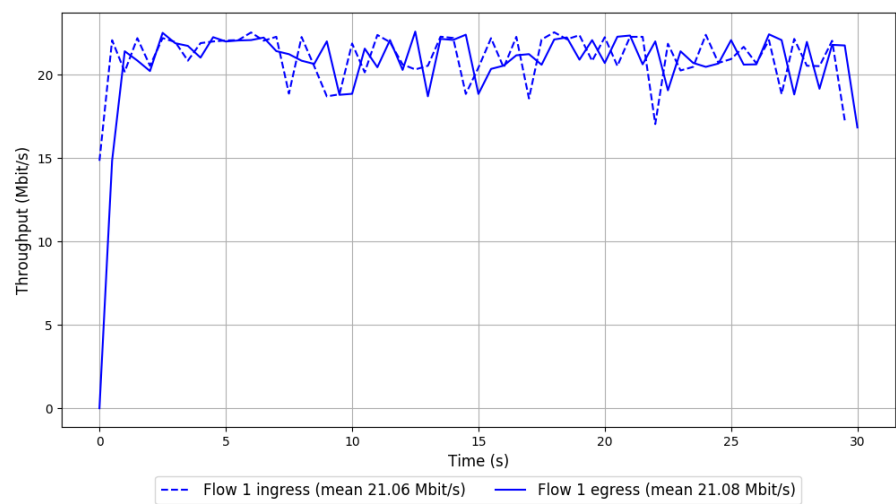
-- Flow 1:

Average throughput: 21.08 Mbit/s

95th percentile per-packet one-way delay: 17.655 ms

Loss rate: 0.08%

Run 8: Report of Sprout — Data Link



Run 9: Statistics of Sprout

Start at: 2018-05-25 03:59:55

End at: 2018-05-25 04:00:25

Local clock offset: 1.596 ms

Remote clock offset: 1.107 ms

Below is generated by plot.py at 2018-05-25 04:46:16

Datalink statistics

-- Total of 1 flow:

Average throughput: 21.01 Mbit/s

95th percentile per-packet one-way delay: 18.595 ms

Loss rate: 0.00%

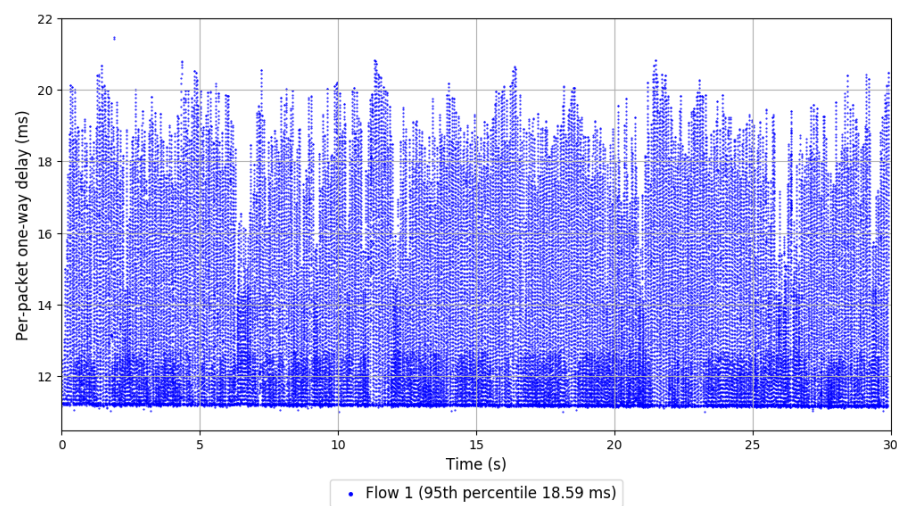
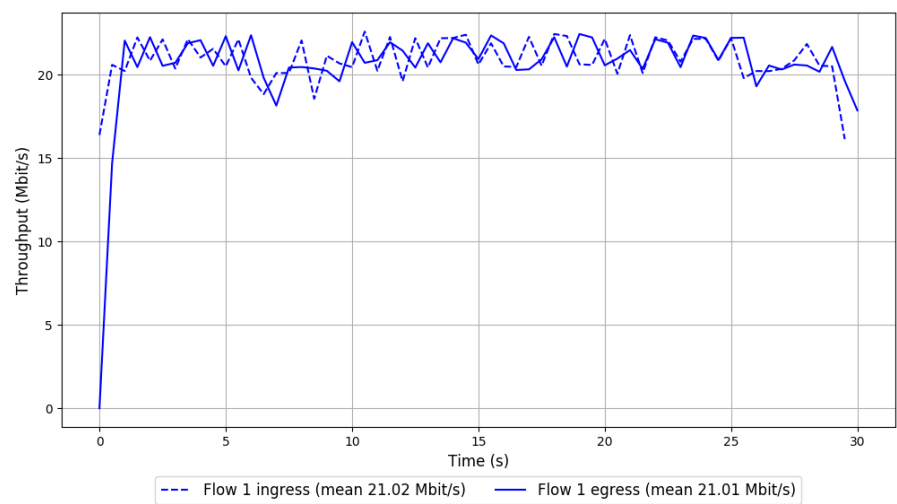
-- Flow 1:

Average throughput: 21.01 Mbit/s

95th percentile per-packet one-way delay: 18.595 ms

Loss rate: 0.00%

Run 9: Report of Sprout — Data Link



Run 10: Statistics of Sprout

Start at: 2018-05-25 04:18:16

End at: 2018-05-25 04:18:46

Local clock offset: 3.518 ms

Remote clock offset: 1.649 ms

Below is generated by plot.py at 2018-05-25 04:46:16

Datalink statistics

-- Total of 1 flow:

Average throughput: 19.95 Mbit/s

95th percentile per-packet one-way delay: 18.955 ms

Loss rate: 0.14%

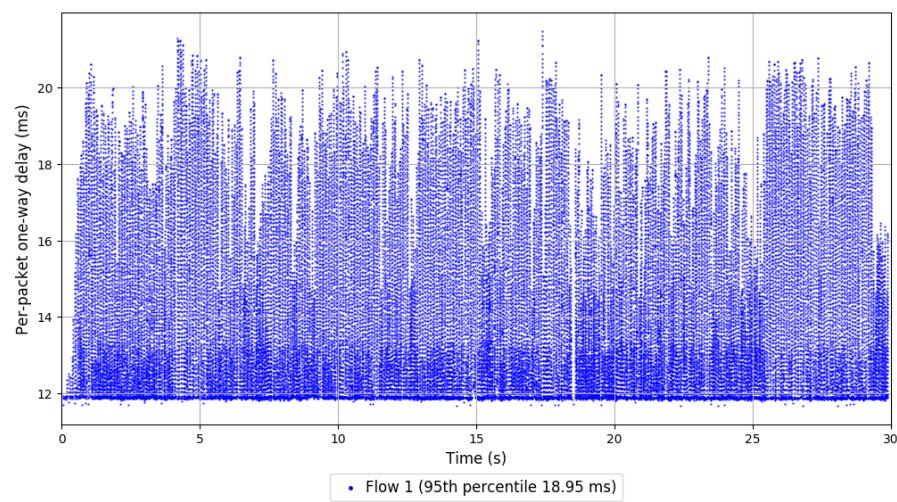
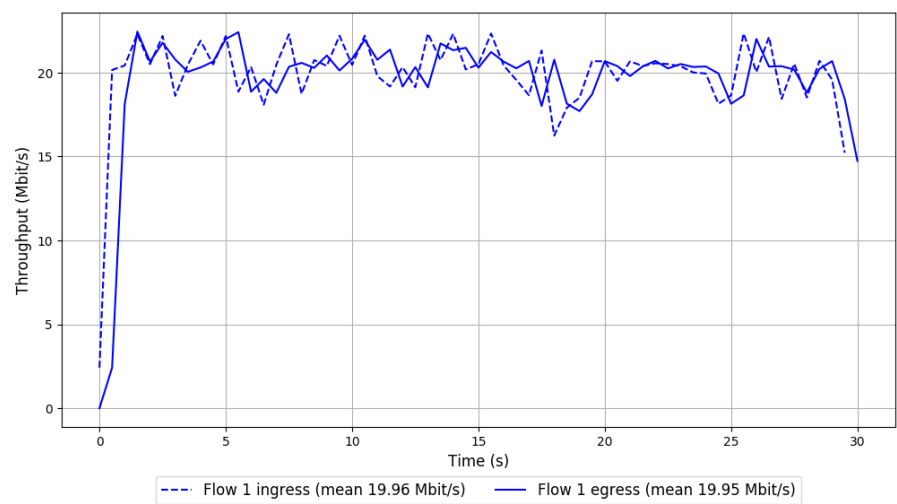
-- Flow 1:

Average throughput: 19.95 Mbit/s

95th percentile per-packet one-way delay: 18.955 ms

Loss rate: 0.14%

Run 10: Report of Sprout — Data Link



Run 1: Statistics of TaoVA-100x

Start at: 2018-05-25 01:24:18

End at: 2018-05-25 01:24:48

Local clock offset: 0.693 ms

Remote clock offset: 4.776 ms

Below is generated by plot.py at 2018-05-25 04:47:48

Datalink statistics

-- Total of 1 flow:

Average throughput: 86.42 Mbit/s

95th percentile per-packet one-way delay: 14.412 ms

Loss rate: 0.06%

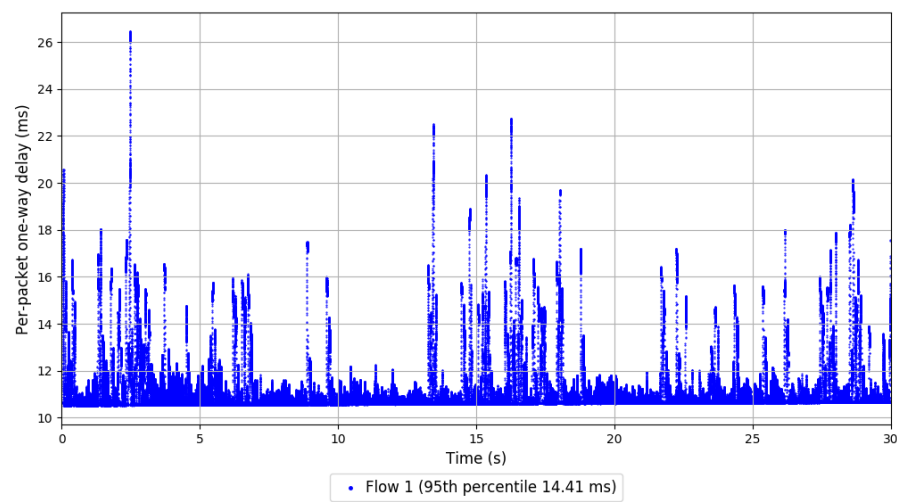
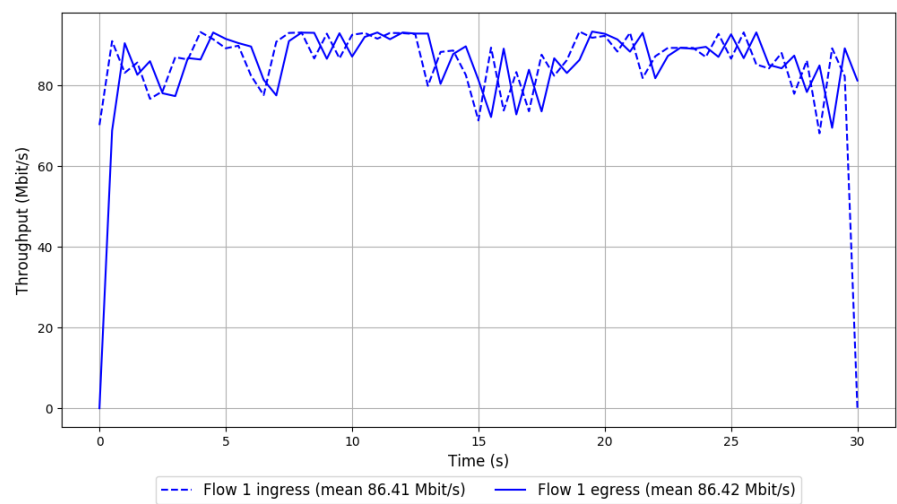
-- Flow 1:

Average throughput: 86.42 Mbit/s

95th percentile per-packet one-way delay: 14.412 ms

Loss rate: 0.06%

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



Run 2: Statistics of TaoVA-100x

Start at: 2018-05-25 01:42:47

End at: 2018-05-25 01:43:17

Local clock offset: 2.694 ms

Remote clock offset: 5.322 ms

Below is generated by plot.py at 2018-05-25 04:48:00

Datalink statistics

-- Total of 1 flow:

Average throughput: 88.77 Mbit/s

95th percentile per-packet one-way delay: 14.172 ms

Loss rate: 0.09%

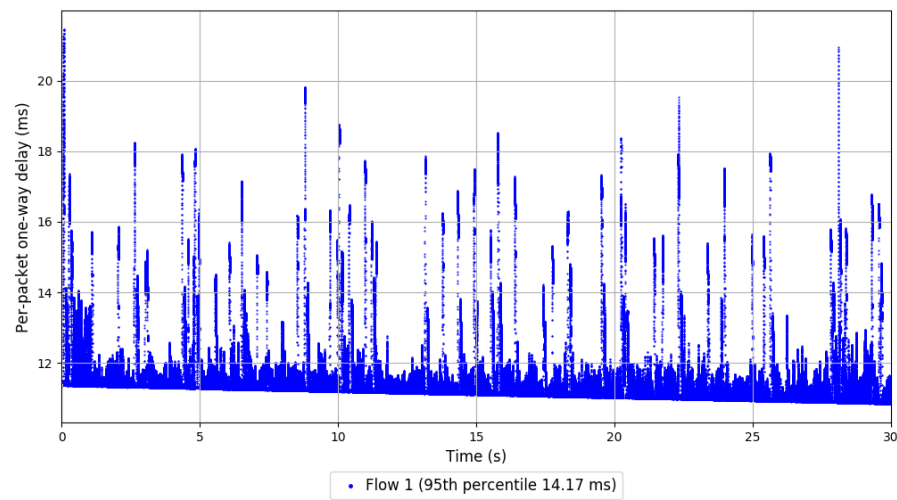
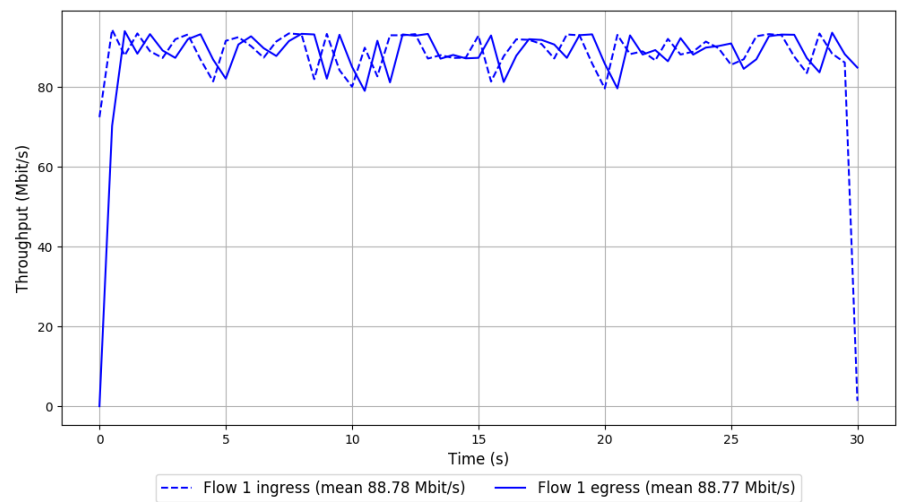
-- Flow 1:

Average throughput: 88.77 Mbit/s

95th percentile per-packet one-way delay: 14.172 ms

Loss rate: 0.09%

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



Run 3: Statistics of TaoVA-100x

Start at: 2018-05-25 02:01:05

End at: 2018-05-25 02:01:35

Local clock offset: 3.832 ms

Remote clock offset: -2.719 ms

Below is generated by plot.py at 2018-05-25 04:48:00

Datalink statistics

-- Total of 1 flow:

Average throughput: 85.07 Mbit/s

95th percentile per-packet one-way delay: 18.761 ms

Loss rate: 0.09%

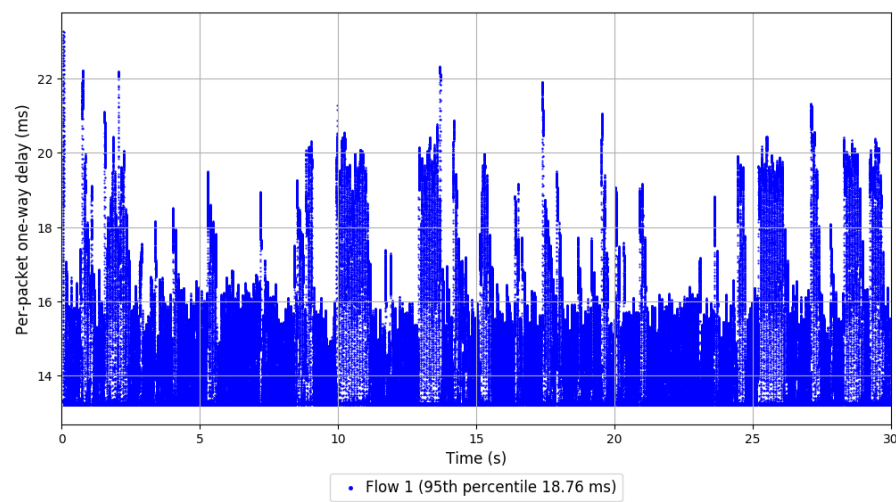
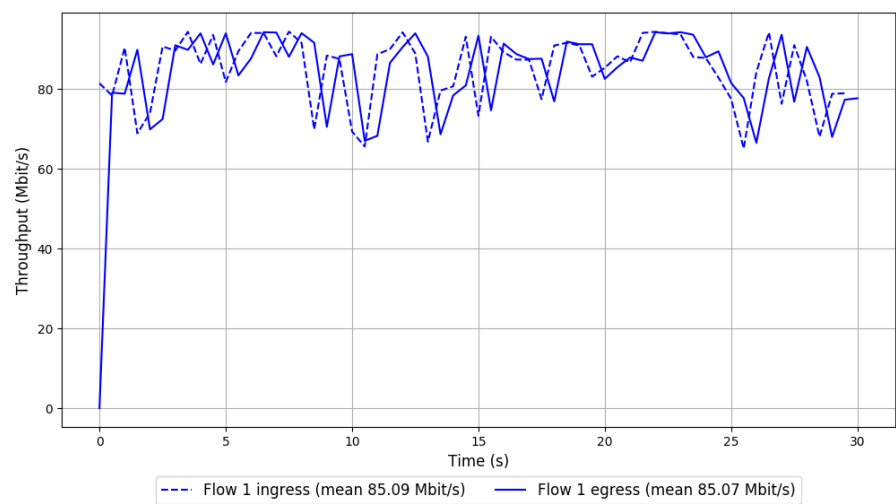
-- Flow 1:

Average throughput: 85.07 Mbit/s

95th percentile per-packet one-way delay: 18.761 ms

Loss rate: 0.09%

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



Run 4: Statistics of TaoVA-100x

Start at: 2018-05-25 02:19:23

End at: 2018-05-25 02:19:53

Local clock offset: 2.028 ms

Remote clock offset: 0.39 ms

Below is generated by plot.py at 2018-05-25 04:48:12

Datalink statistics

-- Total of 1 flow:

Average throughput: 93.12 Mbit/s

95th percentile per-packet one-way delay: 13.065 ms

Loss rate: 0.07%

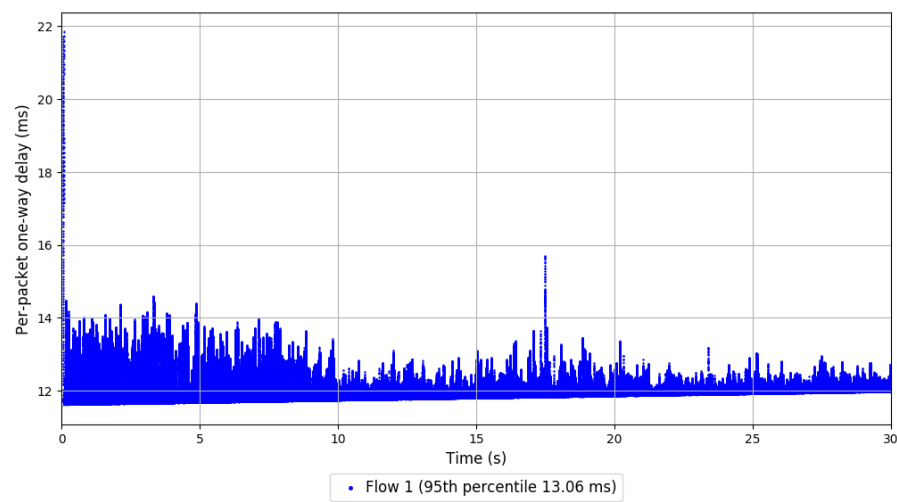
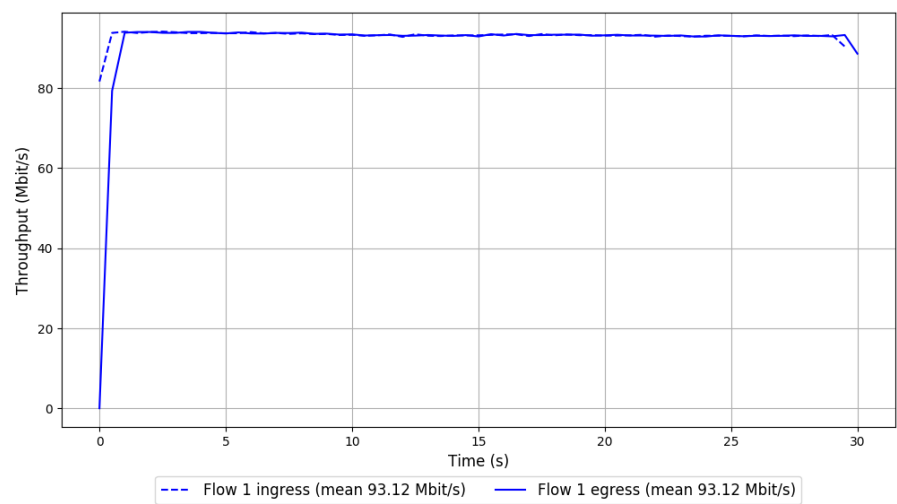
-- Flow 1:

Average throughput: 93.12 Mbit/s

95th percentile per-packet one-way delay: 13.065 ms

Loss rate: 0.07%

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



Run 5: Statistics of TaoVA-100x

Start at: 2018-05-25 02:37:54

End at: 2018-05-25 02:38:24

Local clock offset: 0.741 ms

Remote clock offset: 7.321 ms

Below is generated by plot.py at 2018-05-25 04:48:14

Datalink statistics

-- Total of 1 flow:

Average throughput: 92.12 Mbit/s

95th percentile per-packet one-way delay: 12.445 ms

Loss rate: 0.08%

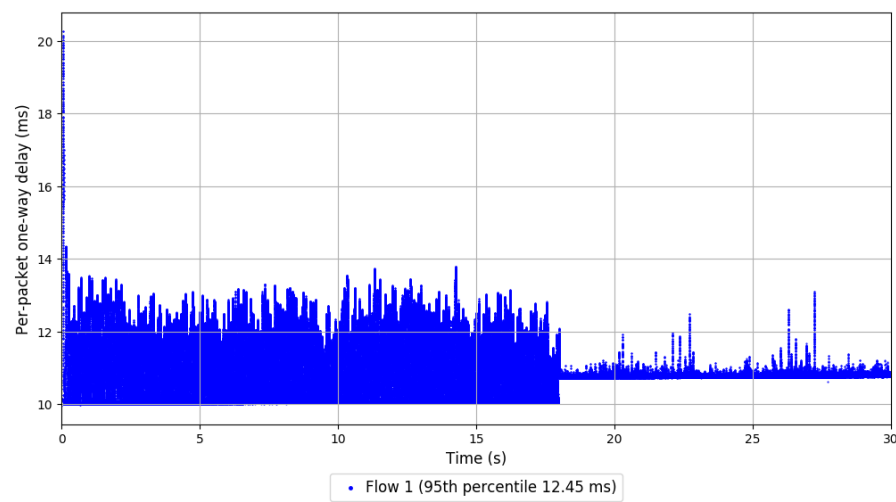
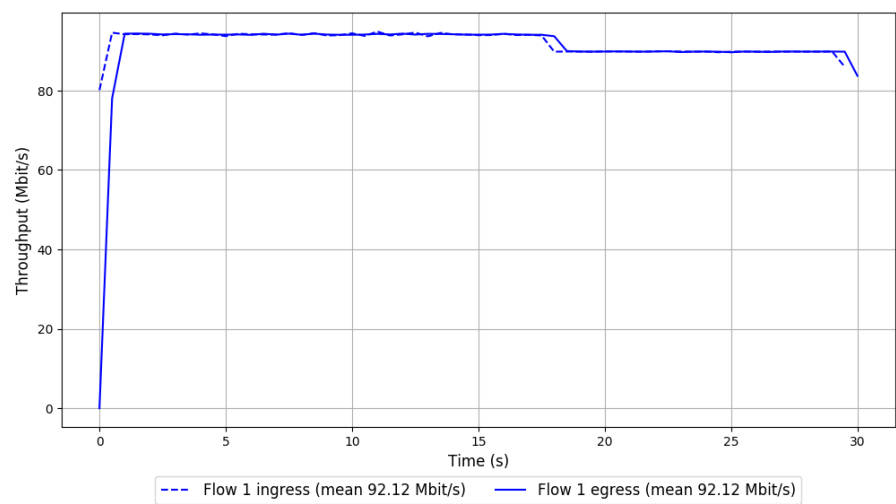
-- Flow 1:

Average throughput: 92.12 Mbit/s

95th percentile per-packet one-way delay: 12.445 ms

Loss rate: 0.08%

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



Run 6: Statistics of TaoVA-100x

Start at: 2018-05-25 02:56:15

End at: 2018-05-25 02:56:45

Local clock offset: 2.59 ms

Remote clock offset: 4.215 ms

Below is generated by plot.py at 2018-05-25 04:48:16

Datalink statistics

-- Total of 1 flow:

Average throughput: 92.56 Mbit/s

95th percentile per-packet one-way delay: 13.859 ms

Loss rate: 0.09%

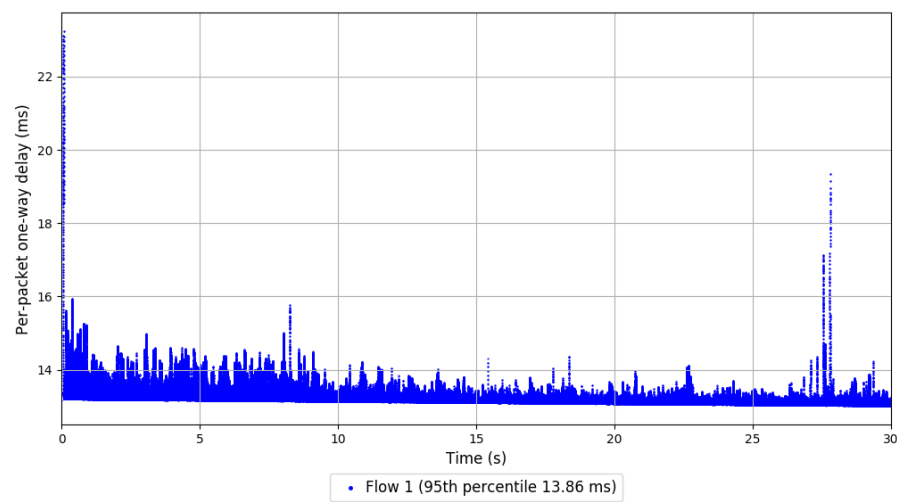
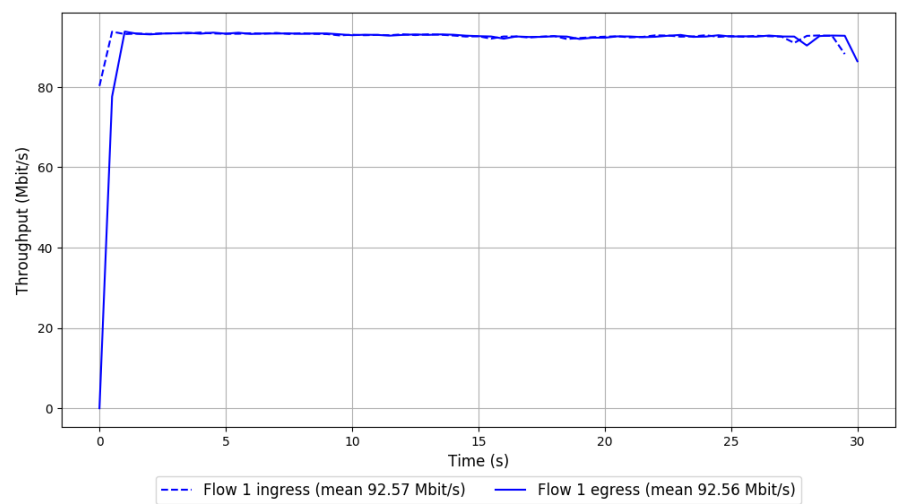
-- Flow 1:

Average throughput: 92.56 Mbit/s

95th percentile per-packet one-way delay: 13.859 ms

Loss rate: 0.09%

Run 6: Report of TaoVA-100x — Data Link



Run 7: Statistics of TaoVA-100x

Start at: 2018-05-25 03:14:45

End at: 2018-05-25 03:15:15

Local clock offset: 1.952 ms

Remote clock offset: 3.659 ms

Below is generated by plot.py at 2018-05-25 04:48:32

Datalink statistics

-- Total of 1 flow:

Average throughput: 93.38 Mbit/s

95th percentile per-packet one-way delay: 12.426 ms

Loss rate: 0.08%

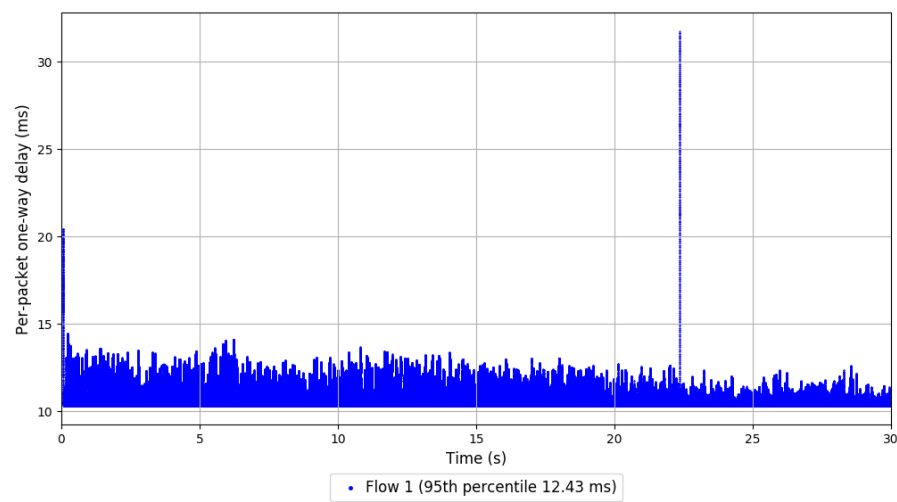
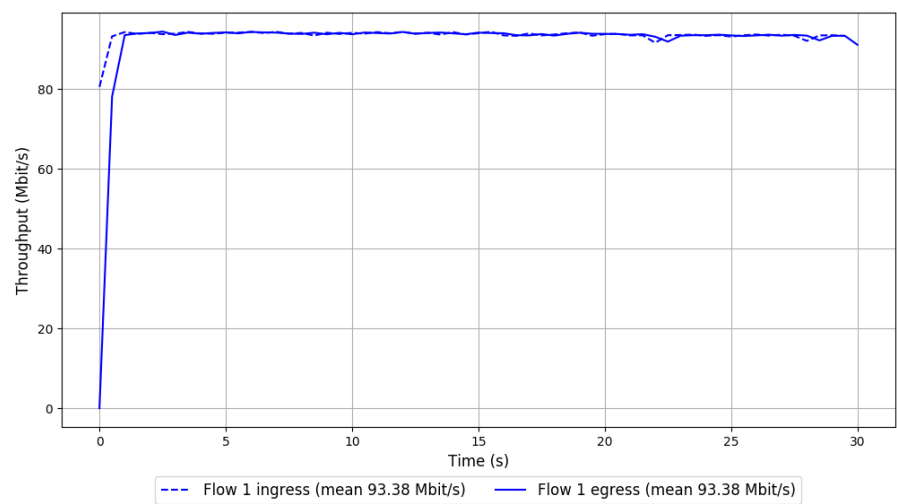
-- Flow 1:

Average throughput: 93.38 Mbit/s

95th percentile per-packet one-way delay: 12.426 ms

Loss rate: 0.08%

Run 7: Report of TaoVA-100x — Data Link



Run 8: Statistics of TaoVA-100x

Start at: 2018-05-25 03:33:28

End at: 2018-05-25 03:33:58

Local clock offset: 0.816 ms

Remote clock offset: 2.263 ms

Below is generated by plot.py at 2018-05-25 04:48:36

Datalink statistics

-- Total of 1 flow:

Average throughput: 93.36 Mbit/s

95th percentile per-packet one-way delay: 11.840 ms

Loss rate: 0.08%

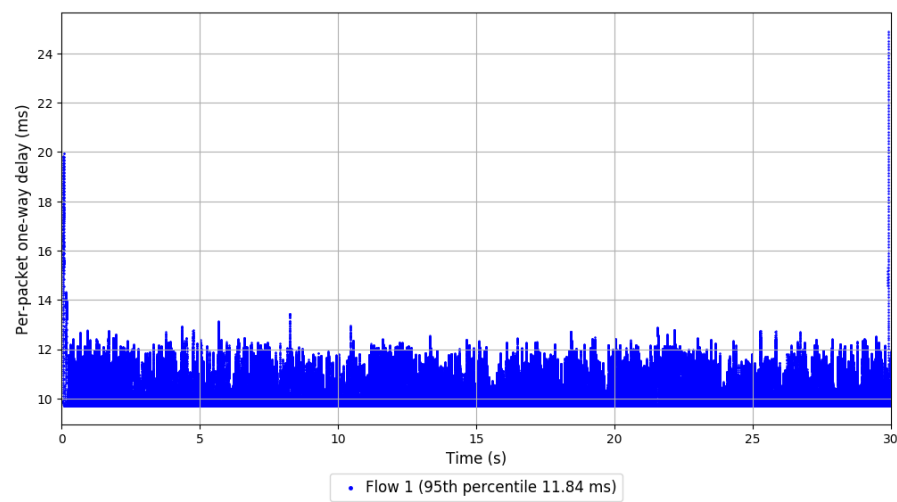
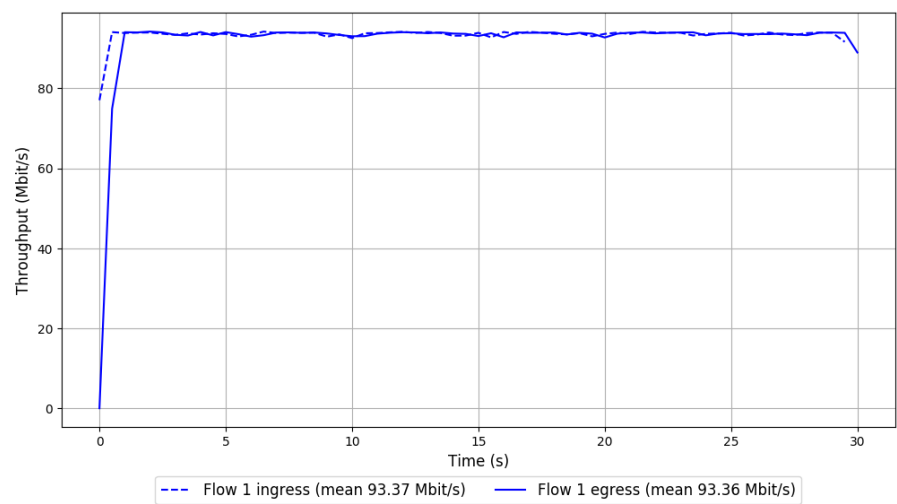
-- Flow 1:

Average throughput: 93.36 Mbit/s

95th percentile per-packet one-way delay: 11.840 ms

Loss rate: 0.08%

Run 8: Report of TaoVA-100x — Data Link



Run 9: Statistics of TaoVA-100x

Start at: 2018-05-25 03:51:52

End at: 2018-05-25 03:52:22

Local clock offset: -0.723 ms

Remote clock offset: 1.663 ms

Below is generated by plot.py at 2018-05-25 04:50:19

Datalink statistics

-- Total of 1 flow:

Average throughput: 92.69 Mbit/s

95th percentile per-packet one-way delay: 9.439 ms

Loss rate: 0.07%

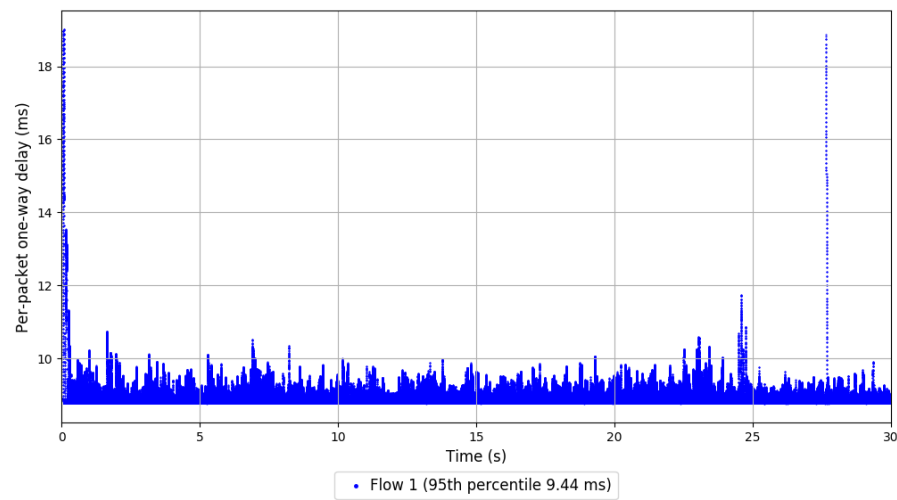
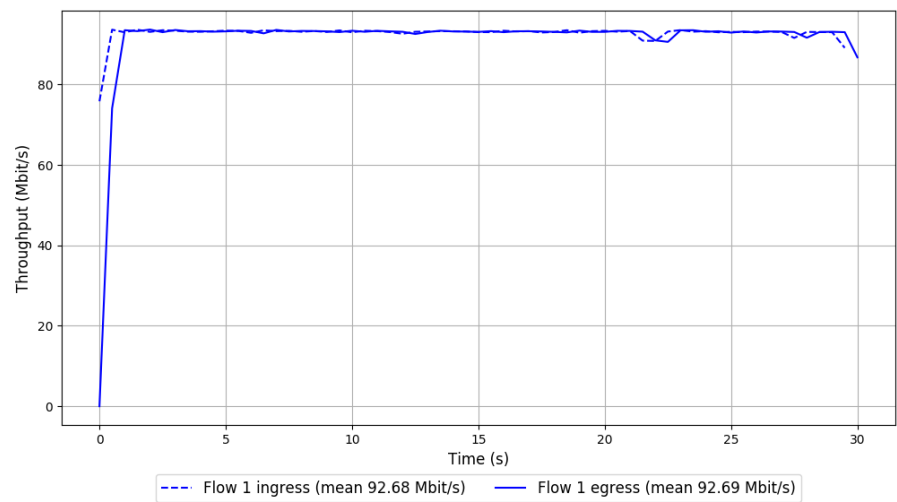
-- Flow 1:

Average throughput: 92.69 Mbit/s

95th percentile per-packet one-way delay: 9.439 ms

Loss rate: 0.07%

Run 9: Report of TaoVA-100x — Data Link



Run 10: Statistics of TaoVA-100x

Start at: 2018-05-25 04:09:59

End at: 2018-05-25 04:10:29

Local clock offset: 2.249 ms

Remote clock offset: -0.039 ms

Below is generated by plot.py at 2018-05-25 04:50:22

Datalink statistics

-- Total of 1 flow:

Average throughput: 91.30 Mbit/s

95th percentile per-packet one-way delay: 13.495 ms

Loss rate: 0.08%

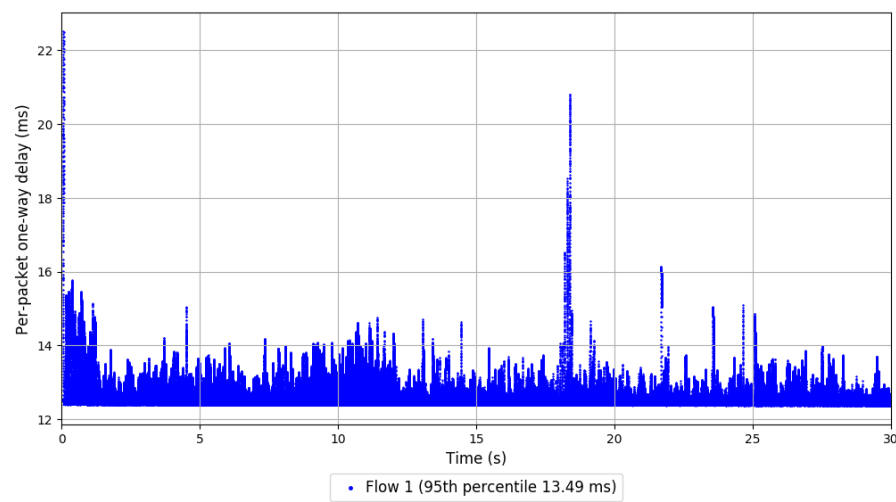
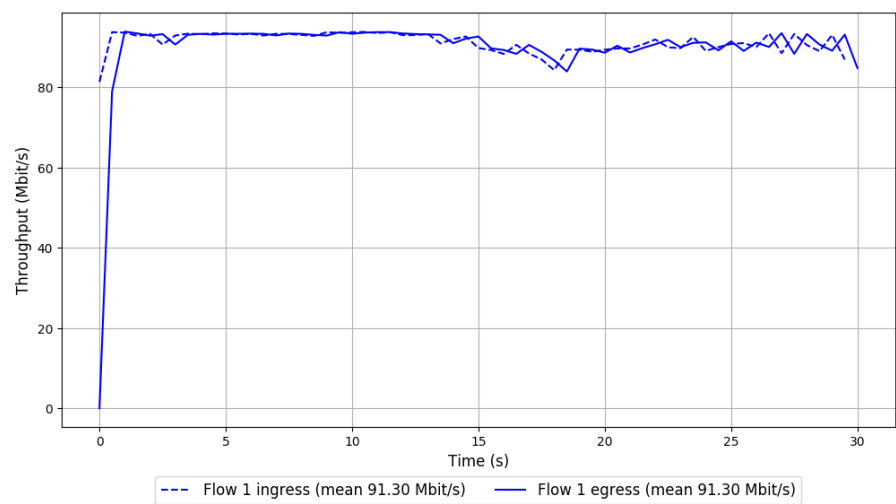
-- Flow 1:

Average throughput: 91.30 Mbit/s

95th percentile per-packet one-way delay: 13.495 ms

Loss rate: 0.08%

Run 10: Report of TaoVA-100x — Data Link



Run 1: Statistics of TCP Vegas

Start at: 2018-05-25 01:39:11

End at: 2018-05-25 01:39:41

Local clock offset: 1.257 ms

Remote clock offset: 8.767 ms

Below is generated by plot.py at 2018-05-25 04:50:22

Datalink statistics

-- Total of 1 flow:

Average throughput: 95.46 Mbit/s

95th percentile per-packet one-way delay: 13.584 ms

Loss rate: 0.08%

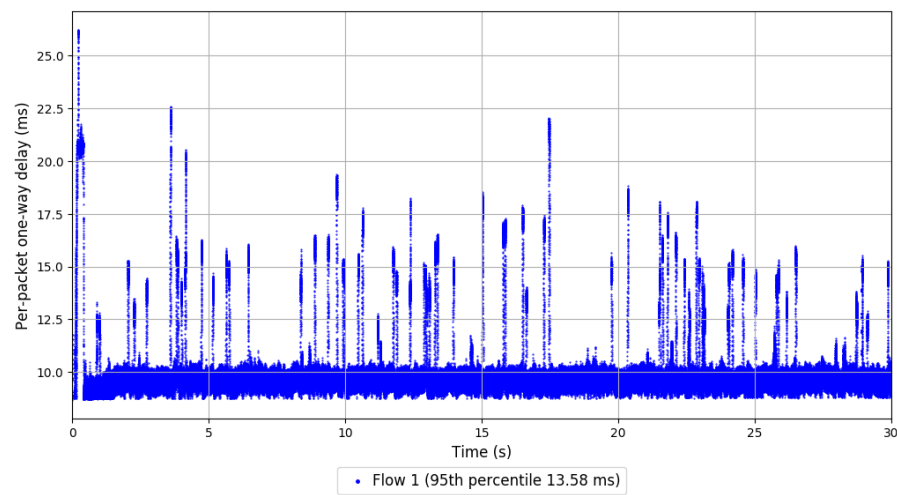
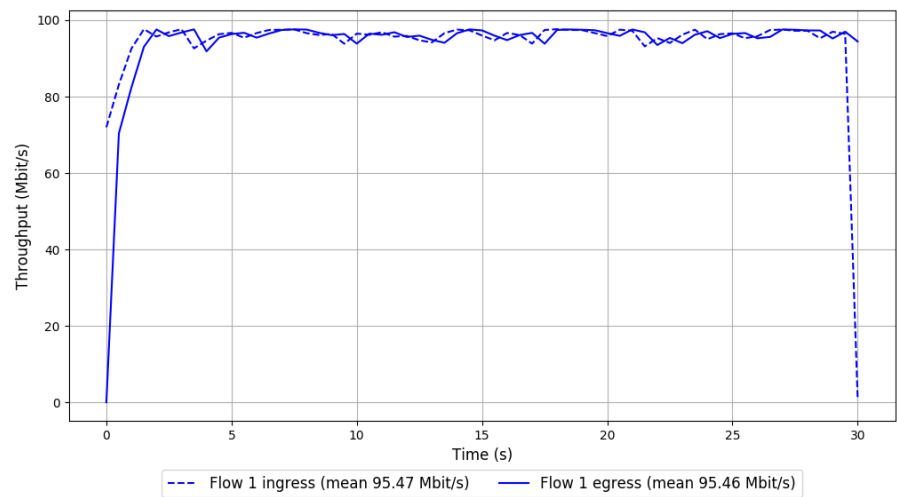
-- Flow 1:

Average throughput: 95.46 Mbit/s

95th percentile per-packet one-way delay: 13.584 ms

Loss rate: 0.08%

Run 1: Report of TCP Vegas — Data Link

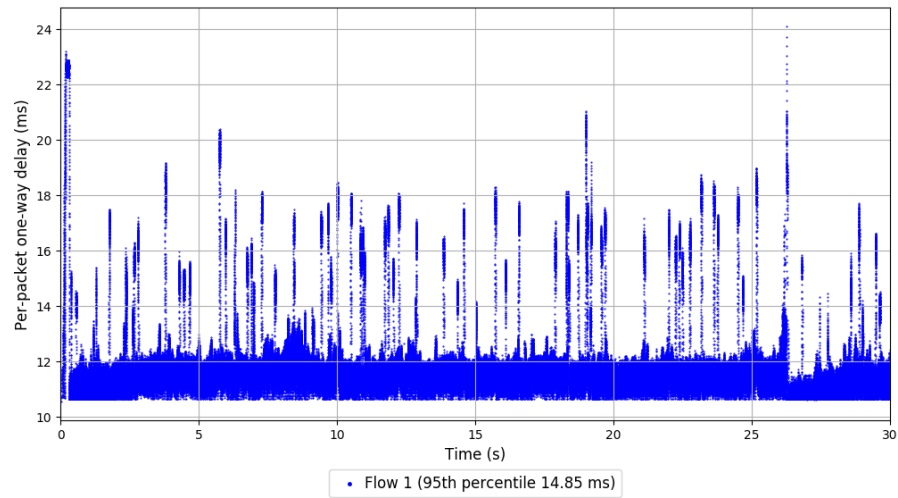
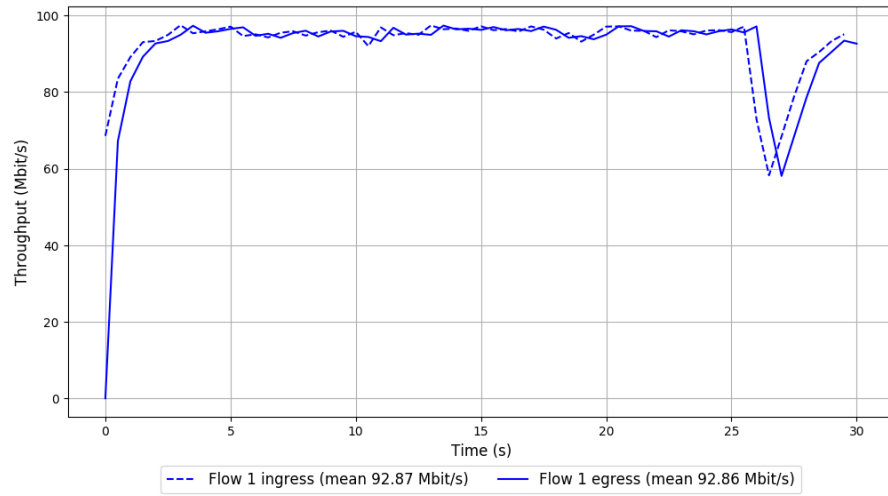


Run 2: Statistics of TCP Vegas

Start at: 2018-05-25 01:57:35
End at: 2018-05-25 01:58:05
Local clock offset: 1.703 ms
Remote clock offset: -2.263 ms

Below is generated by plot.py at 2018-05-25 04:50:22
Datalink statistics
-- Total of 1 flow:
Average throughput: 92.86 Mbit/s
95th percentile per-packet one-way delay: 14.853 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 92.86 Mbit/s
95th percentile per-packet one-way delay: 14.853 ms
Loss rate: 0.09%

Run 2: Report of TCP Vegas — Data Link

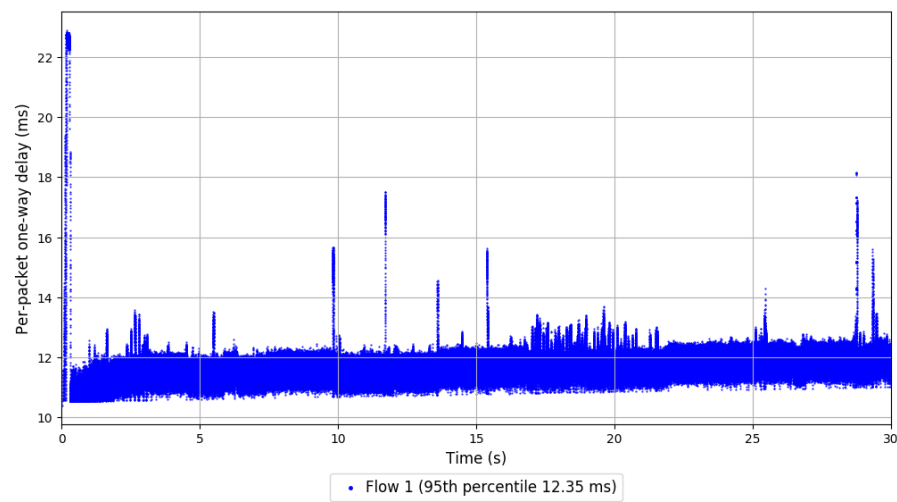
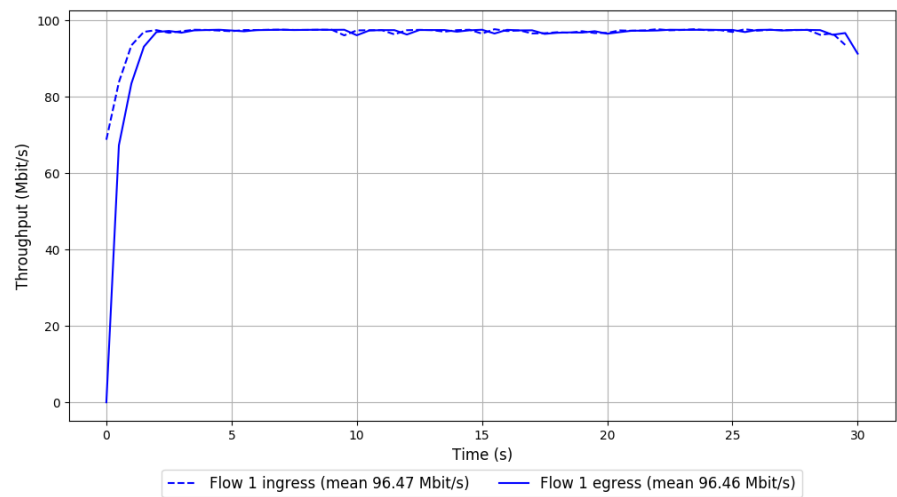


Run 3: Statistics of TCP Vegas

Start at: 2018-05-25 02:15:55
End at: 2018-05-25 02:16:25
Local clock offset: 0.222 ms
Remote clock offset: -3.277 ms

Below is generated by plot.py at 2018-05-25 04:50:22
Datalink statistics
-- Total of 1 flow:
Average throughput: 96.46 Mbit/s
95th percentile per-packet one-way delay: 12.353 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 96.46 Mbit/s
95th percentile per-packet one-way delay: 12.353 ms
Loss rate: 0.08%

Run 3: Report of TCP Vegas — Data Link



Run 4: Statistics of TCP Vegas

Start at: 2018-05-25 02:34:14

End at: 2018-05-25 02:34:44

Local clock offset: -0.43 ms

Remote clock offset: 5.699 ms

Below is generated by plot.py at 2018-05-25 04:50:22

Datalink statistics

-- Total of 1 flow:

Average throughput: 96.58 Mbit/s

95th percentile per-packet one-way delay: 11.194 ms

Loss rate: 0.08%

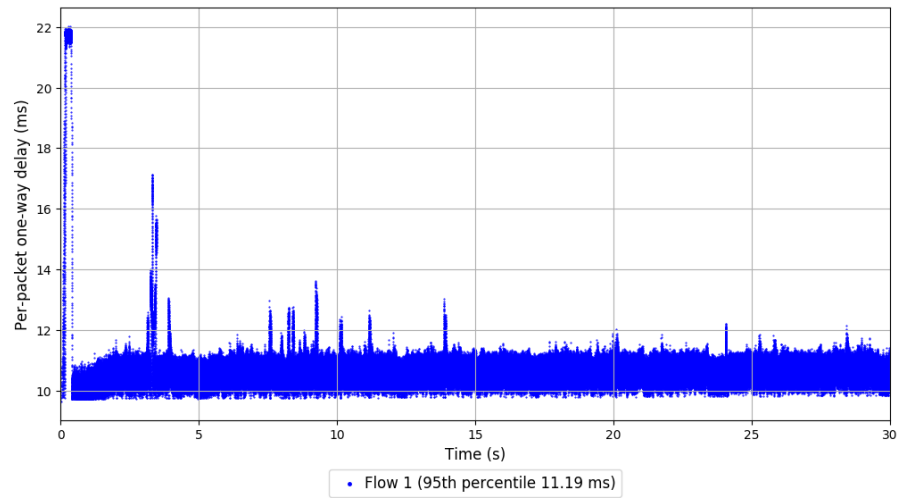
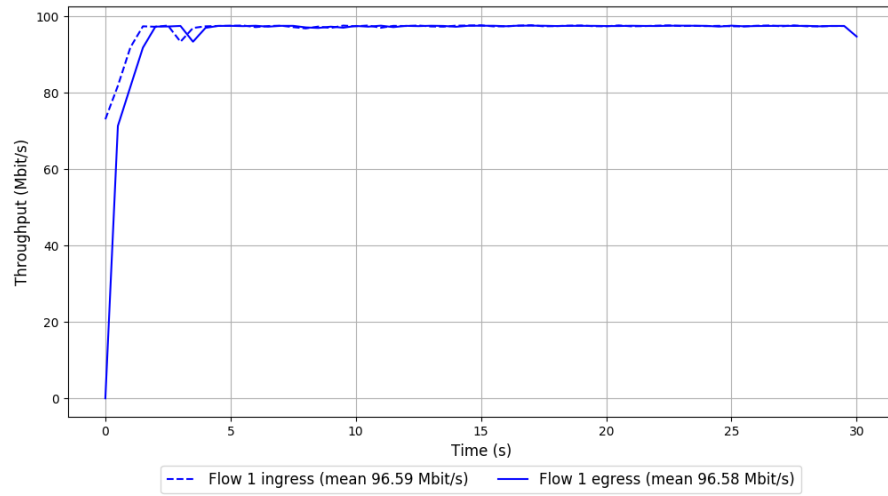
-- Flow 1:

Average throughput: 96.58 Mbit/s

95th percentile per-packet one-way delay: 11.194 ms

Loss rate: 0.08%

Run 4: Report of TCP Vegas — Data Link



Run 5: Statistics of TCP Vegas

Start at: 2018-05-25 02:52:45

End at: 2018-05-25 02:53:15

Local clock offset: 2.924 ms

Remote clock offset: 7.106 ms

Below is generated by plot.py at 2018-05-25 04:50:22

Datalink statistics

-- Total of 1 flow:

Average throughput: 95.56 Mbit/s

95th percentile per-packet one-way delay: 14.767 ms

Loss rate: 0.08%

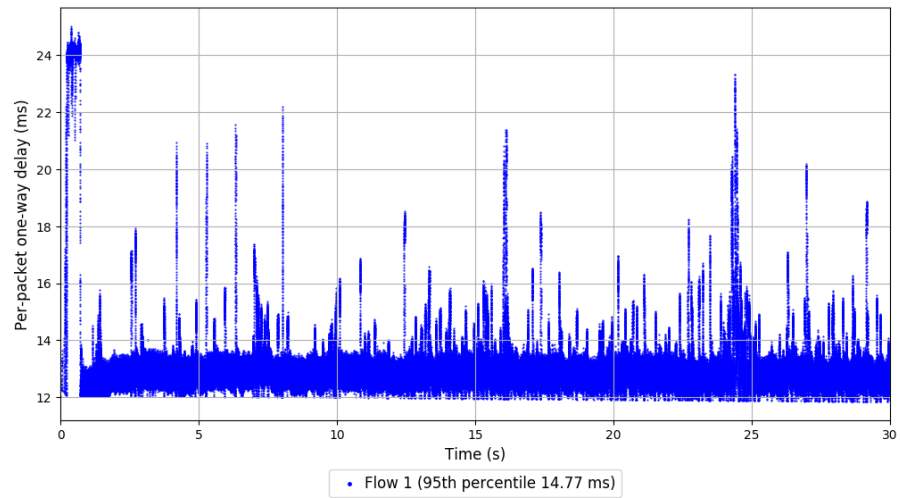
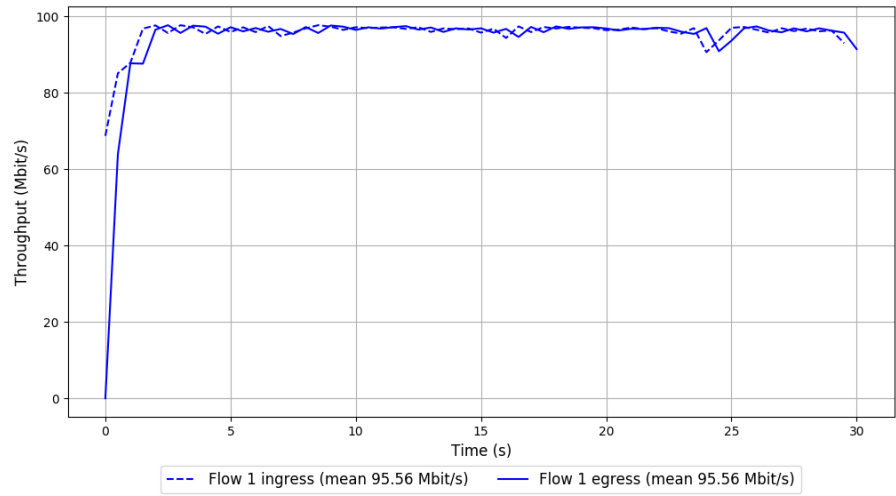
-- Flow 1:

Average throughput: 95.56 Mbit/s

95th percentile per-packet one-way delay: 14.767 ms

Loss rate: 0.08%

Run 5: Report of TCP Vegas — Data Link



Run 6: Statistics of TCP Vegas

Start at: 2018-05-25 03:11:10

End at: 2018-05-25 03:11:40

Local clock offset: 1.306 ms

Remote clock offset: 3.656 ms

Below is generated by plot.py at 2018-05-25 04:50:22

Datalink statistics

-- Total of 1 flow:

Average throughput: 94.12 Mbit/s

95th percentile per-packet one-way delay: 11.912 ms

Loss rate: 0.06%

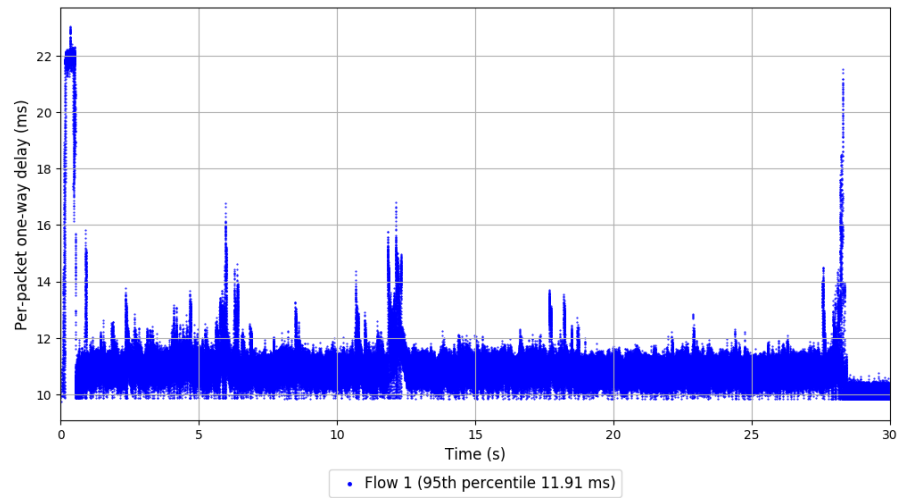
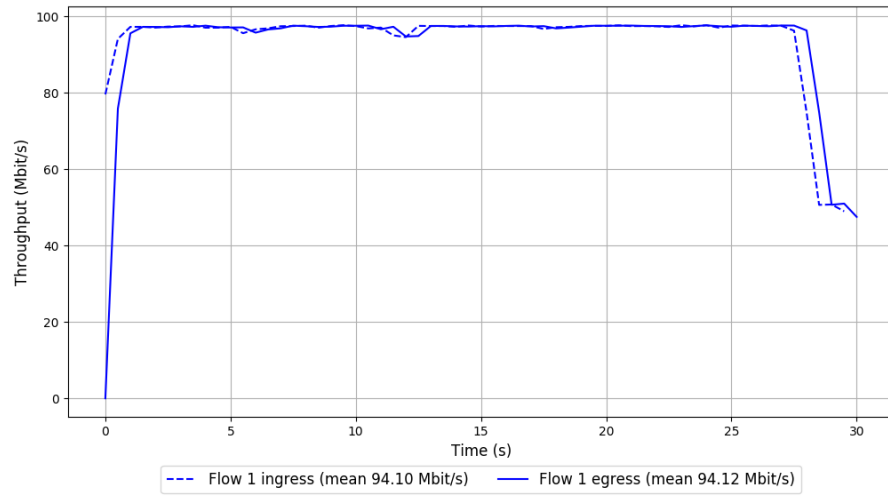
-- Flow 1:

Average throughput: 94.12 Mbit/s

95th percentile per-packet one-way delay: 11.912 ms

Loss rate: 0.06%

Run 6: Report of TCP Vegas — Data Link



Run 7: Statistics of TCP Vegas

Start at: 2018-05-25 03:29:53

End at: 2018-05-25 03:30:23

Local clock offset: 1.711 ms

Remote clock offset: 2.658 ms

Below is generated by plot.py at 2018-05-25 04:50:50

Datalink statistics

-- Total of 1 flow:

Average throughput: 96.13 Mbit/s

95th percentile per-packet one-way delay: 12.478 ms

Loss rate: 0.08%

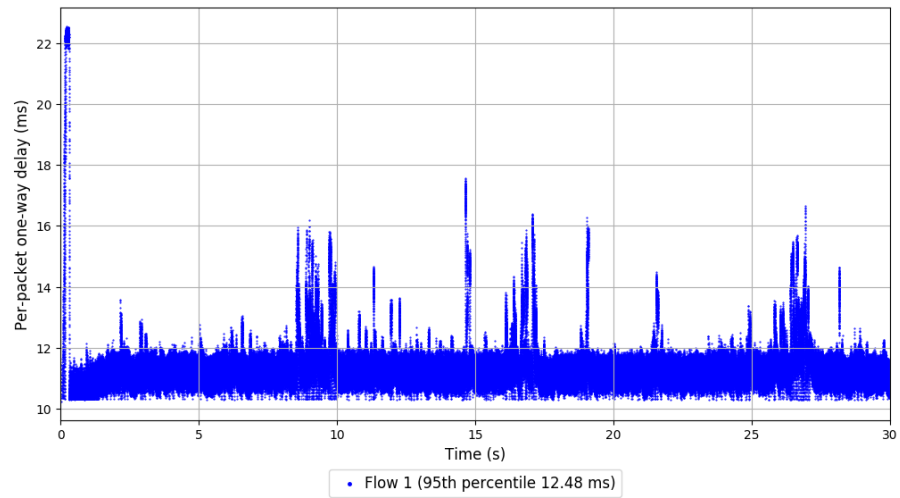
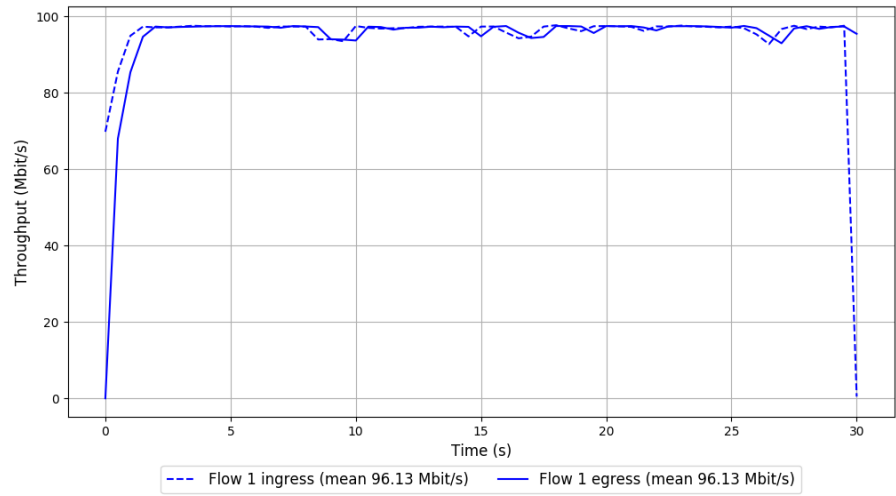
-- Flow 1:

Average throughput: 96.13 Mbit/s

95th percentile per-packet one-way delay: 12.478 ms

Loss rate: 0.08%

Run 7: Report of TCP Vegas — Data Link



Run 8: Statistics of TCP Vegas

Start at: 2018-05-25 03:48:25

End at: 2018-05-25 03:48:55

Local clock offset: -0.002 ms

Remote clock offset: 1.417 ms

Below is generated by plot.py at 2018-05-25 04:50:54

Datalink statistics

-- Total of 1 flow:

Average throughput: 96.38 Mbit/s

95th percentile per-packet one-way delay: 11.507 ms

Loss rate: 0.08%

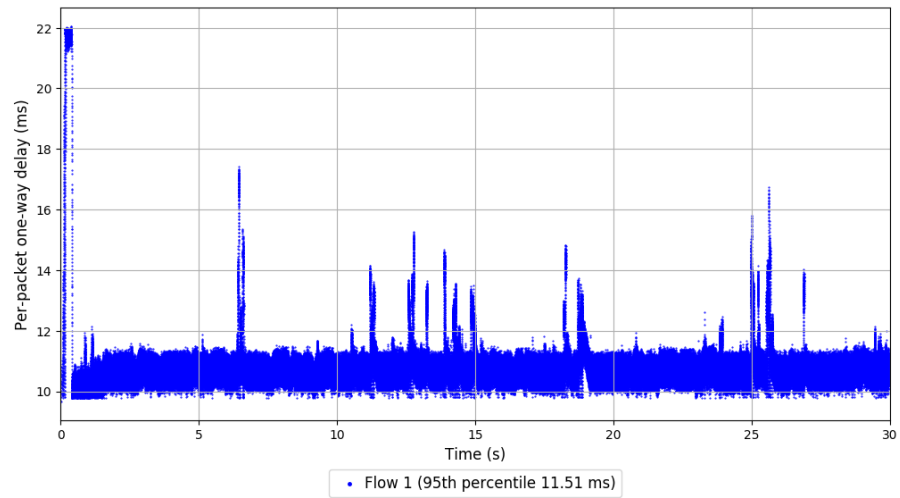
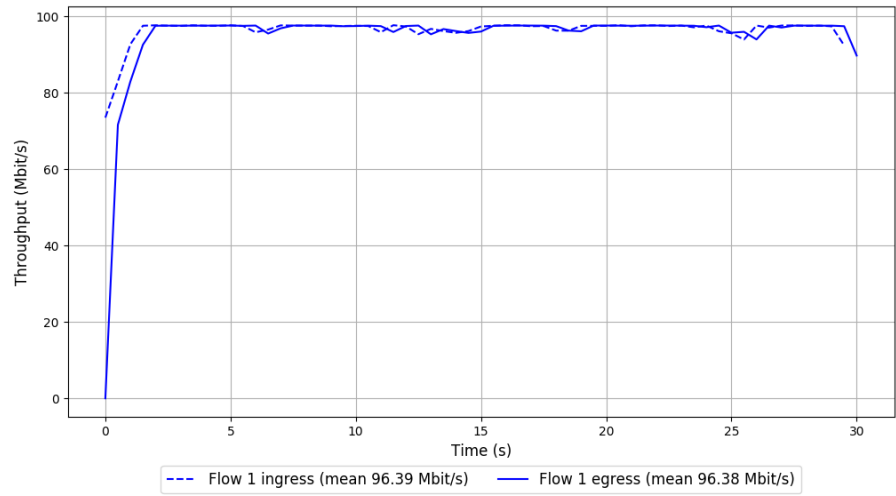
-- Flow 1:

Average throughput: 96.38 Mbit/s

95th percentile per-packet one-way delay: 11.507 ms

Loss rate: 0.08%

Run 8: Report of TCP Vegas — Data Link



Run 9: Statistics of TCP Vegas

Start at: 2018-05-25 04:06:31

End at: 2018-05-25 04:07:01

Local clock offset: 2.152 ms

Remote clock offset: 0.812 ms

Below is generated by plot.py at 2018-05-25 04:50:56

Datalink statistics

-- Total of 1 flow:

Average throughput: 95.94 Mbit/s

95th percentile per-packet one-way delay: 13.691 ms

Loss rate: 0.08%

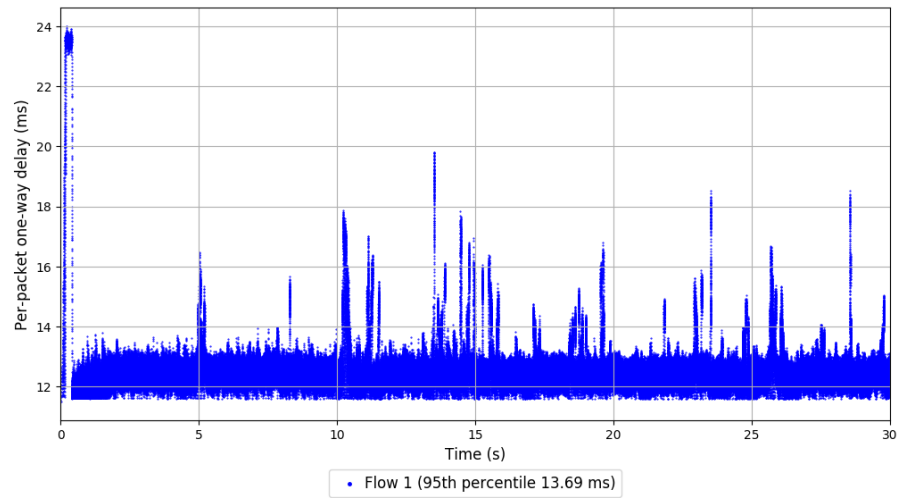
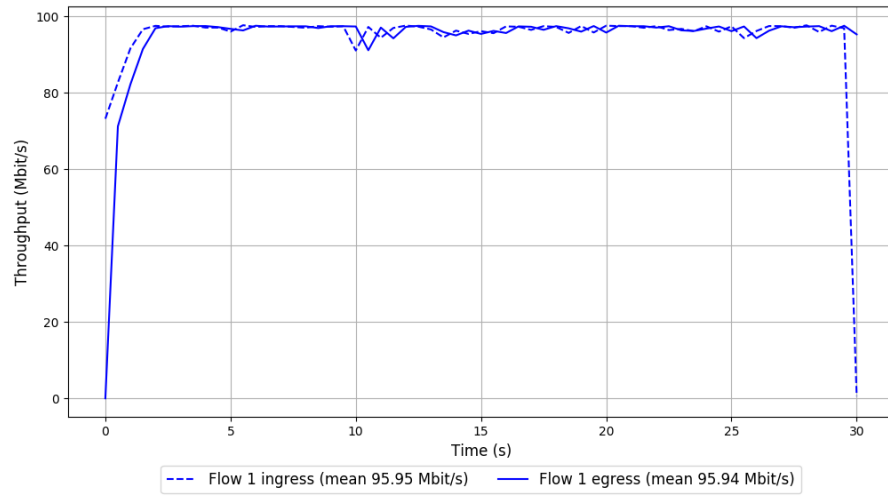
-- Flow 1:

Average throughput: 95.94 Mbit/s

95th percentile per-packet one-way delay: 13.691 ms

Loss rate: 0.08%

Run 9: Report of TCP Vegas — Data Link



Run 10: Statistics of TCP Vegas

Start at: 2018-05-25 04:24:58

End at: 2018-05-25 04:25:28

Local clock offset: 1.737 ms

Remote clock offset: 0.596 ms

Below is generated by plot.py at 2018-05-25 04:50:59

Datalink statistics

-- Total of 1 flow:

Average throughput: 96.19 Mbit/s

95th percentile per-packet one-way delay: 13.213 ms

Loss rate: 0.08%

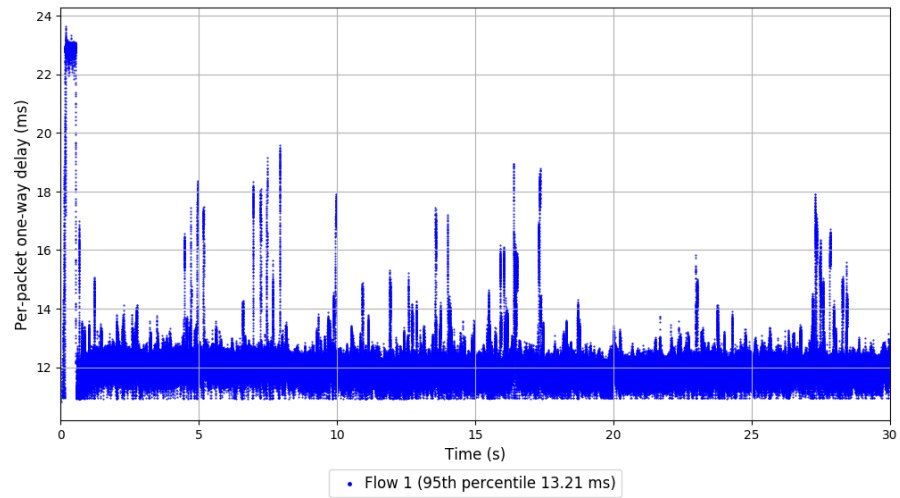
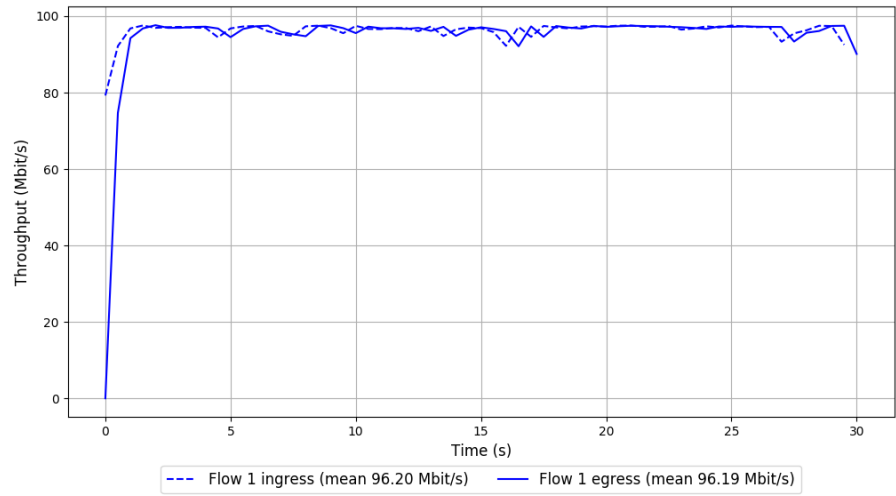
-- Flow 1:

Average throughput: 96.19 Mbit/s

95th percentile per-packet one-way delay: 13.213 ms

Loss rate: 0.08%

Run 10: Report of TCP Vegas — Data Link



Run 1: Statistics of Verus

Start at: 2018-05-25 01:38:07

End at: 2018-05-25 01:38:37

Local clock offset: 2.236 ms

Remote clock offset: 7.596 ms

Below is generated by plot.py at 2018-05-25 04:50:59

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.00 Mbit/s

95th percentile per-packet one-way delay: 11.489 ms

Loss rate: 0.00%

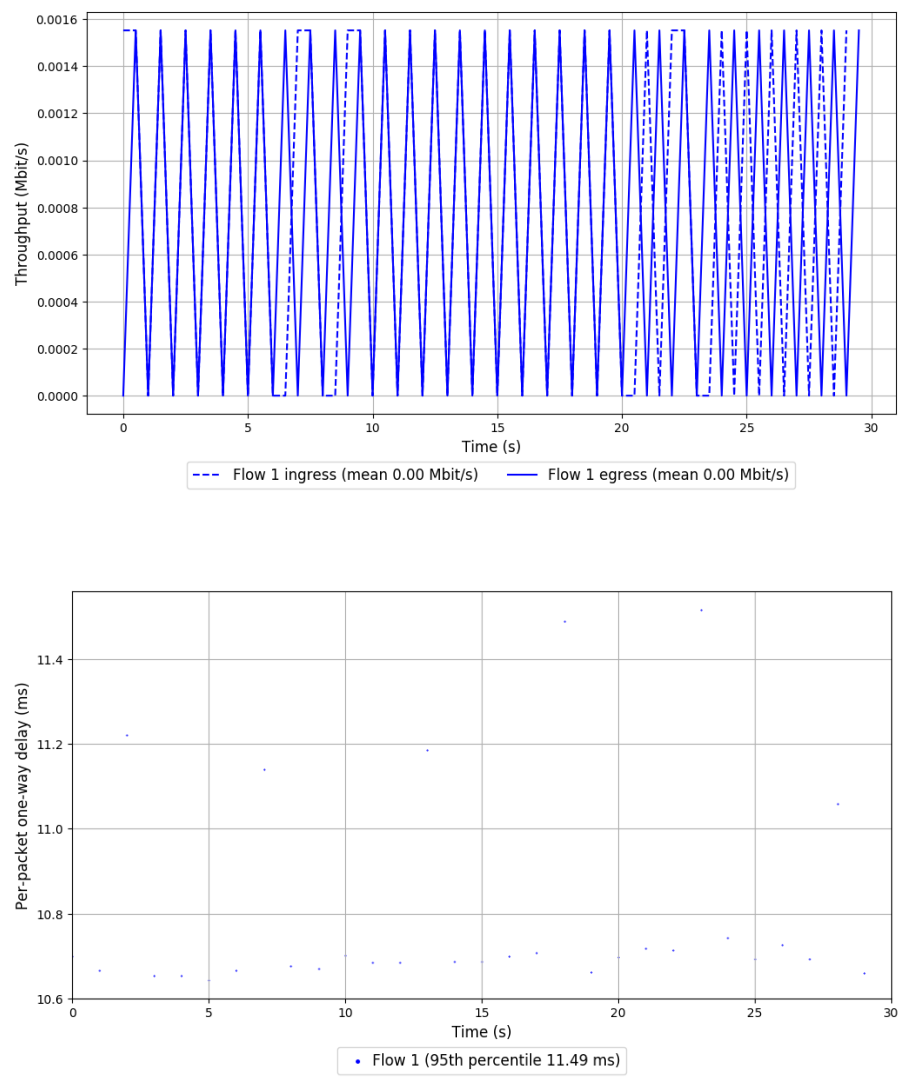
-- Flow 1:

Average throughput: 0.00 Mbit/s

95th percentile per-packet one-way delay: 11.489 ms

Loss rate: 0.00%

Run 1: Report of Verus — Data Link

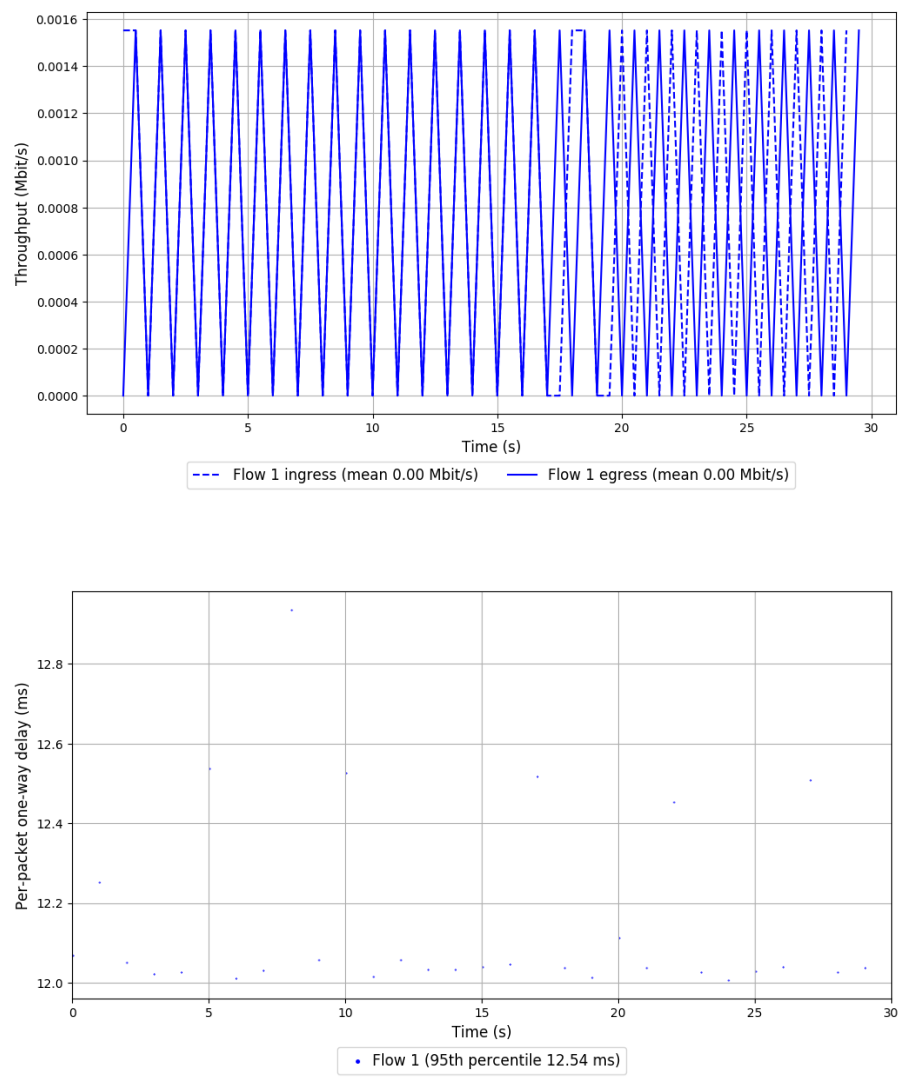


Run 2: Statistics of Verus

Start at: 2018-05-25 01:56:31
End at: 2018-05-25 01:57:01
Local clock offset: 2.452 ms
Remote clock offset: -2.987 ms

Below is generated by plot.py at 2018-05-25 04:50:59
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.00 Mbit/s
95th percentile per-packet one-way delay: 12.537 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.00 Mbit/s
95th percentile per-packet one-way delay: 12.537 ms
Loss rate: 0.00%

Run 2: Report of Verus — Data Link

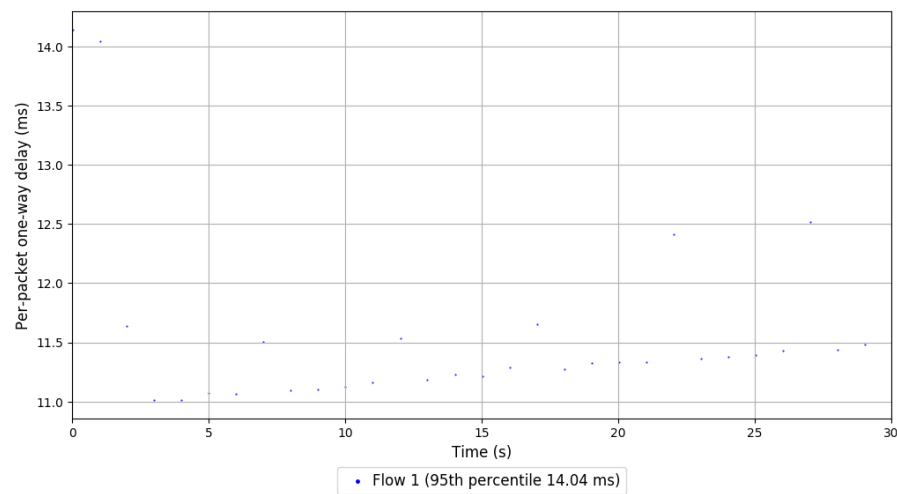
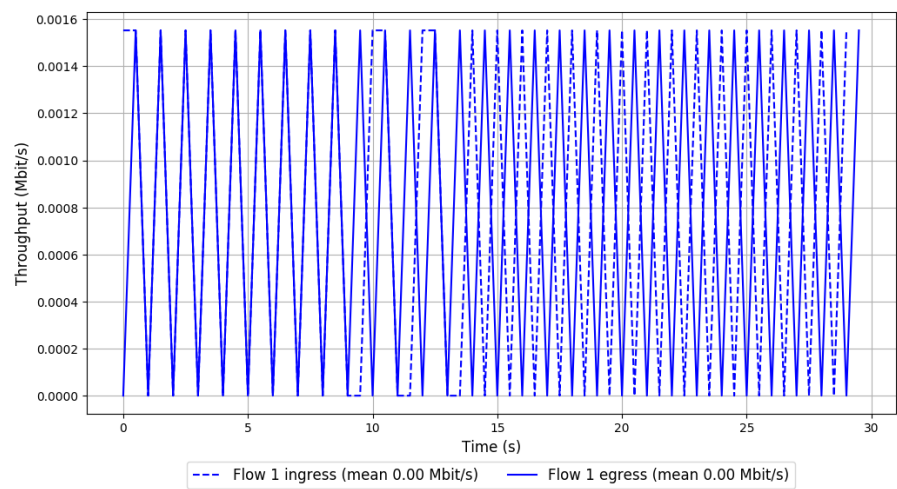


Run 3: Statistics of Verus

Start at: 2018-05-25 02:14:51
End at: 2018-05-25 02:15:21
Local clock offset: 0.724 ms
Remote clock offset: -4.435 ms

Below is generated by plot.py at 2018-05-25 04:50:59
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.00 Mbit/s
95th percentile per-packet one-way delay: 14.045 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.00 Mbit/s
95th percentile per-packet one-way delay: 14.045 ms
Loss rate: 0.00%

Run 3: Report of Verus — Data Link



Run 4: Statistics of Verus

Start at: 2018-05-25 02:33:10

End at: 2018-05-25 02:33:40

Local clock offset: 1.149 ms

Remote clock offset: 5.264 ms

Below is generated by plot.py at 2018-05-25 04:50:59

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.00 Mbit/s

95th percentile per-packet one-way delay: 12.556 ms

Loss rate: 0.00%

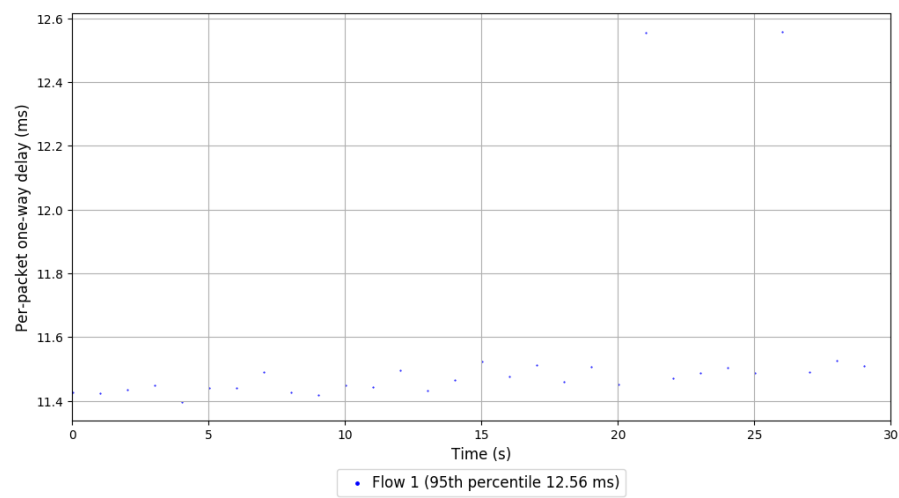
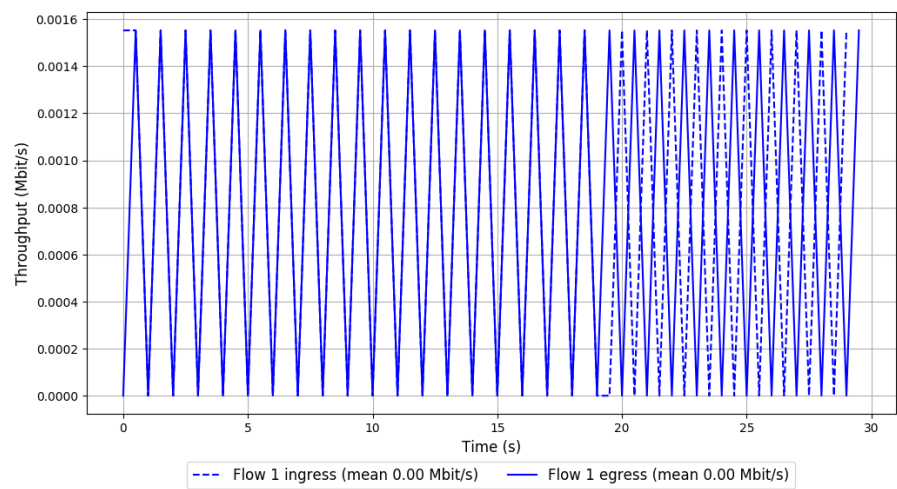
-- Flow 1:

Average throughput: 0.00 Mbit/s

95th percentile per-packet one-way delay: 12.556 ms

Loss rate: 0.00%

Run 4: Report of Verus — Data Link



Run 5: Statistics of Verus

Start at: 2018-05-25 02:51:41

End at: 2018-05-25 02:52:11

Local clock offset: 0.504 ms

Remote clock offset: 6.599 ms

Below is generated by plot.py at 2018-05-25 04:50:59

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.00 Mbit/s

95th percentile per-packet one-way delay: 11.014 ms

Loss rate: 0.00%

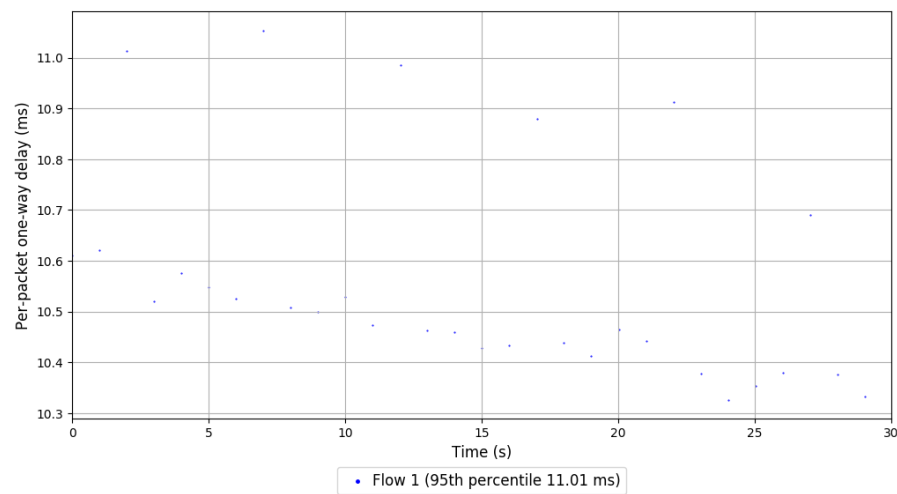
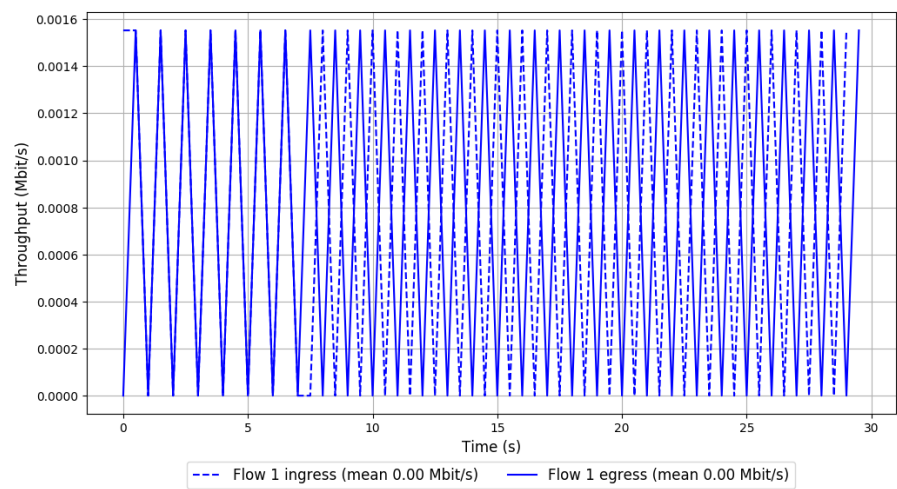
-- Flow 1:

Average throughput: 0.00 Mbit/s

95th percentile per-packet one-way delay: 11.014 ms

Loss rate: 0.00%

Run 5: Report of Verus — Data Link



Run 6: Statistics of Verus

Start at: 2018-05-25 03:10:06

End at: 2018-05-25 03:10:36

Local clock offset: 3.802 ms

Remote clock offset: 3.986 ms

Below is generated by plot.py at 2018-05-25 04:50:59

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.00 Mbit/s

95th percentile per-packet one-way delay: 12.483 ms

Loss rate: 0.00%

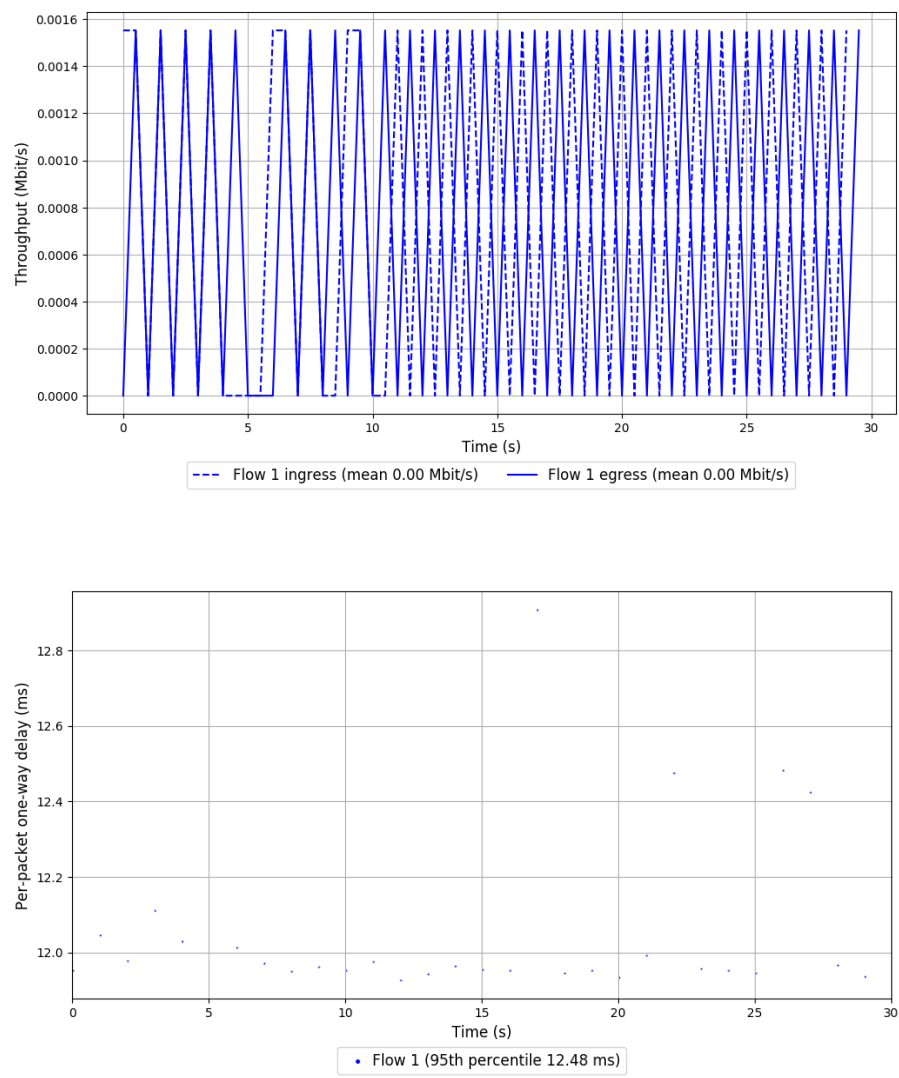
-- Flow 1:

Average throughput: 0.00 Mbit/s

95th percentile per-packet one-way delay: 12.483 ms

Loss rate: 0.00%

Run 6: Report of Verus — Data Link



Run 7: Statistics of Verus

Start at: 2018-05-25 03:28:49

End at: 2018-05-25 03:29:19

Local clock offset: 2.573 ms

Remote clock offset: 2.708 ms

Below is generated by plot.py at 2018-05-25 04:50:59

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.00 Mbit/s

95th percentile per-packet one-way delay: 12.233 ms

Loss rate: 0.00%

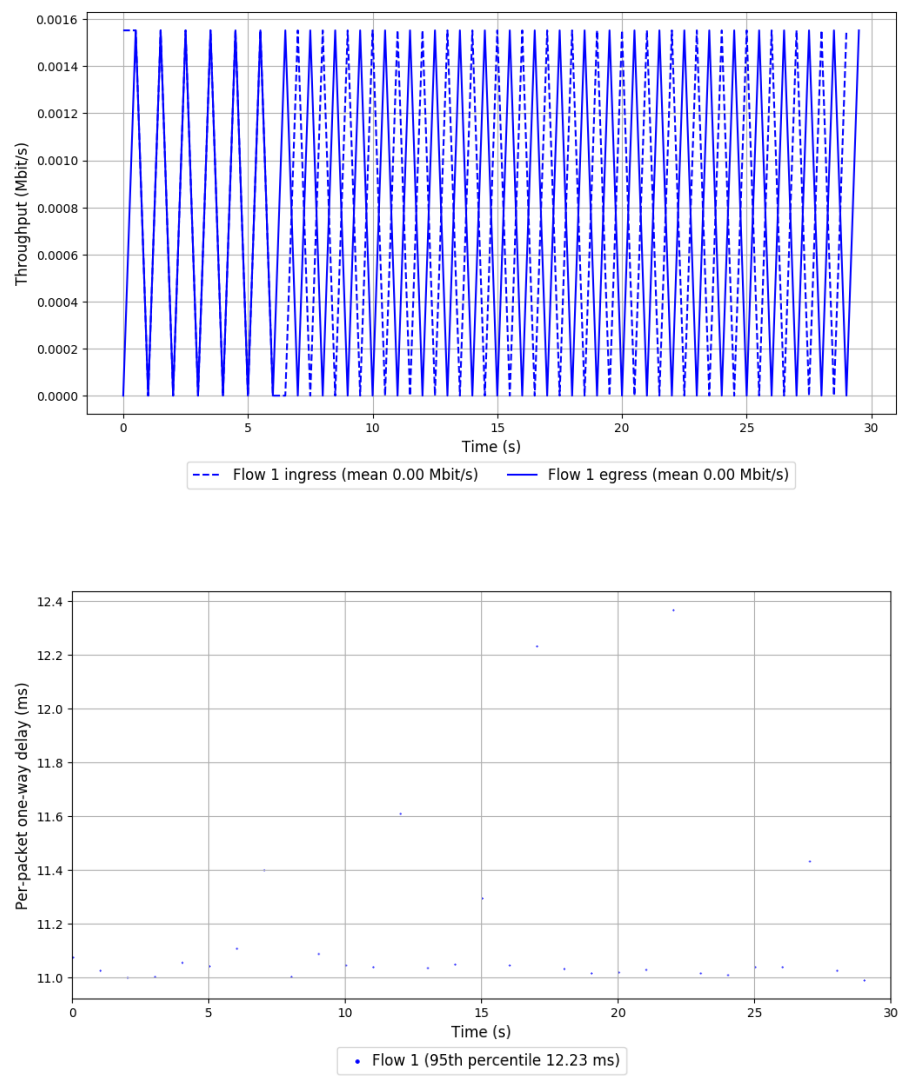
-- Flow 1:

Average throughput: 0.00 Mbit/s

95th percentile per-packet one-way delay: 12.233 ms

Loss rate: 0.00%

Run 7: Report of Verus — Data Link



Run 8: Statistics of Verus

Start at: 2018-05-25 03:47:21

End at: 2018-05-25 03:47:51

Local clock offset: 3.237 ms

Remote clock offset: 1.793 ms

Below is generated by plot.py at 2018-05-25 04:50:59

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.00 Mbit/s

95th percentile per-packet one-way delay: 13.073 ms

Loss rate: 0.00%

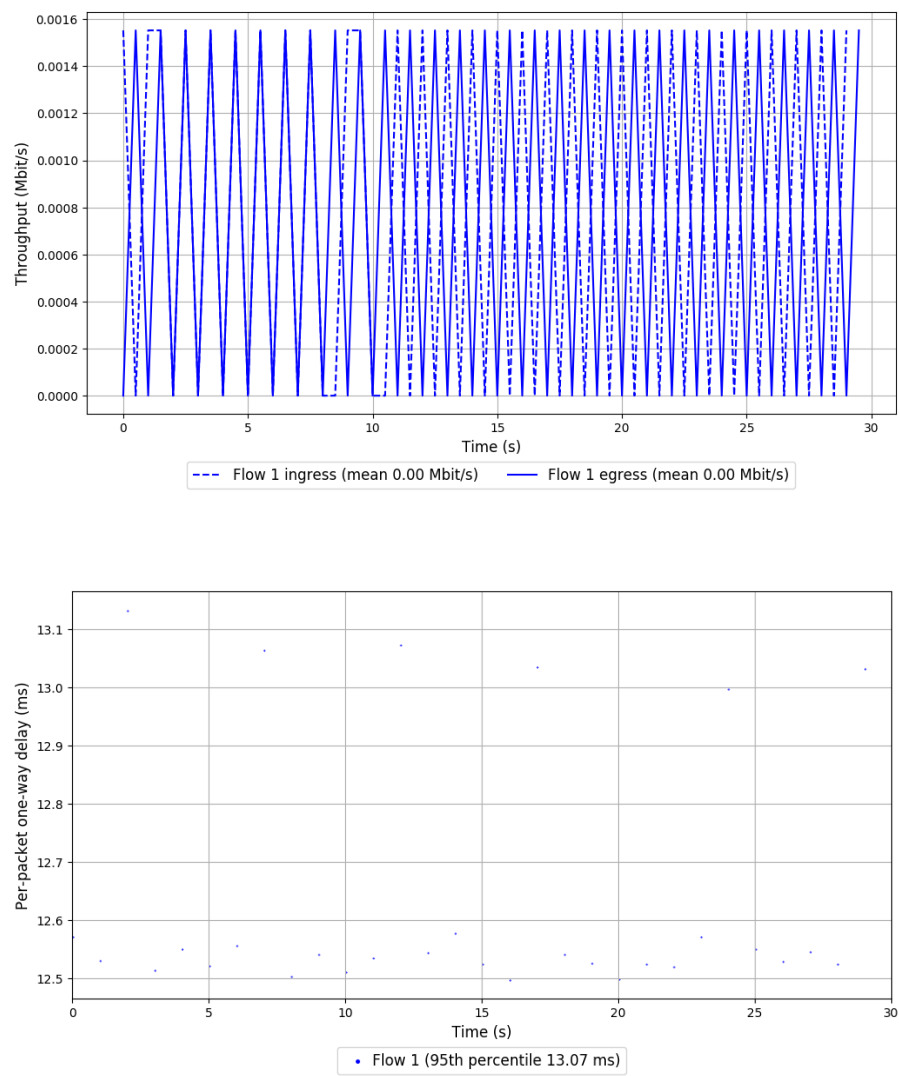
-- Flow 1:

Average throughput: 0.00 Mbit/s

95th percentile per-packet one-way delay: 13.073 ms

Loss rate: 0.00%

Run 8: Report of Verus — Data Link



Run 9: Statistics of Verus

Start at: 2018-05-25 04:05:27

End at: 2018-05-25 04:05:57

Local clock offset: 1.942 ms

Remote clock offset: 1.637 ms

Below is generated by plot.py at 2018-05-25 04:50:59

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.00 Mbit/s

95th percentile per-packet one-way delay: 10.904 ms

Loss rate: 0.00%

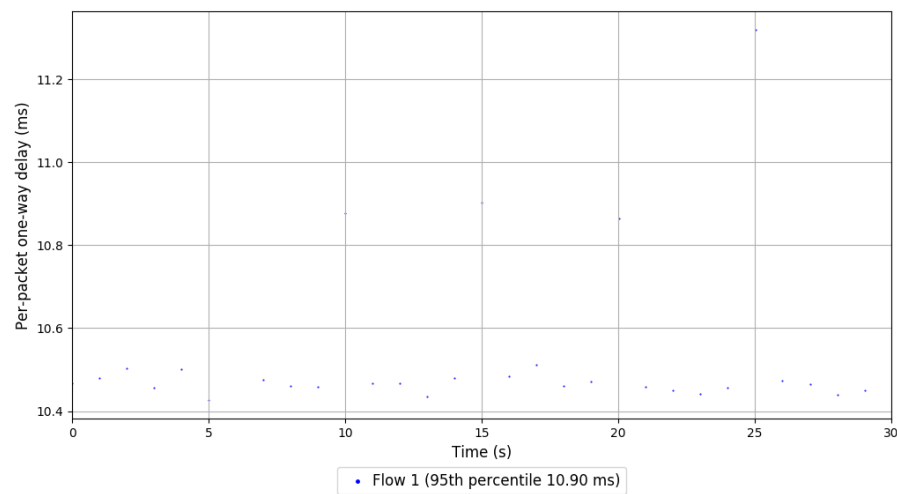
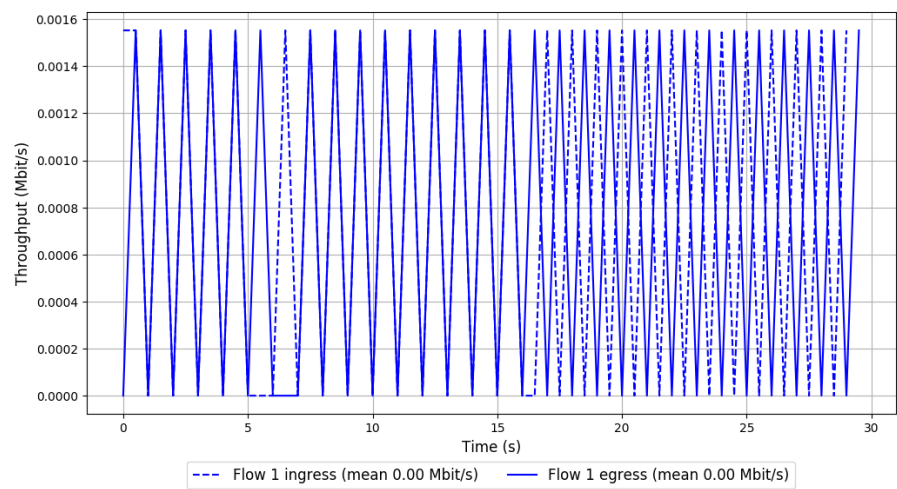
-- Flow 1:

Average throughput: 0.00 Mbit/s

95th percentile per-packet one-way delay: 10.904 ms

Loss rate: 0.00%

Run 9: Report of Verus — Data Link

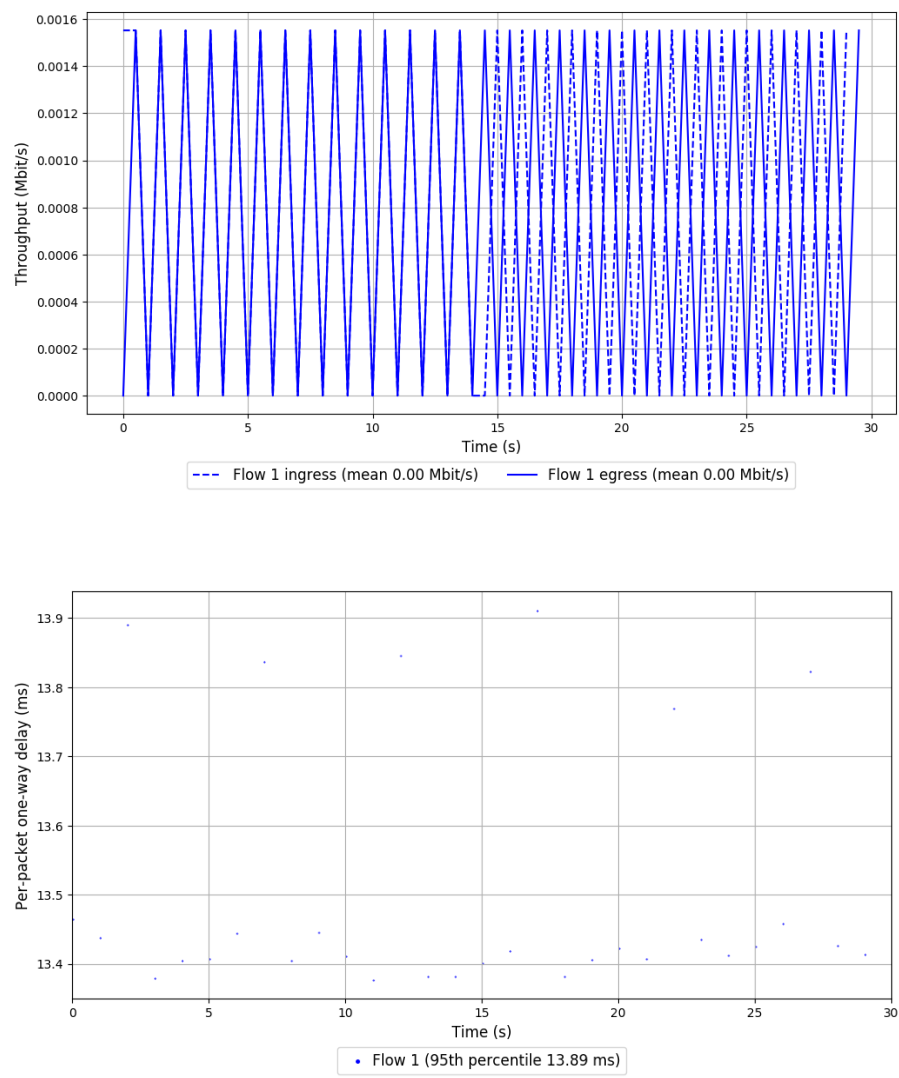


Run 10: Statistics of Verus

Start at: 2018-05-25 04:23:54
End at: 2018-05-25 04:24:24
Local clock offset: 3.146 ms
Remote clock offset: -0.588 ms

Below is generated by plot.py at 2018-05-25 04:50:59
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.00 Mbit/s
95th percentile per-packet one-way delay: 13.890 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.00 Mbit/s
95th percentile per-packet one-way delay: 13.890 ms
Loss rate: 0.00%

Run 10: Report of Verus — Data Link



Run 1: Statistics of PCC-Vivace

Start at: 2018-05-25 01:40:23

End at: 2018-05-25 01:40:53

Local clock offset: 2.819 ms

Remote clock offset: 7.709 ms

Below is generated by plot.py at 2018-05-25 04:51:28

Datalink statistics

-- Total of 1 flow:

Average throughput: 84.74 Mbit/s

95th percentile per-packet one-way delay: 15.862 ms

Loss rate: 0.10%

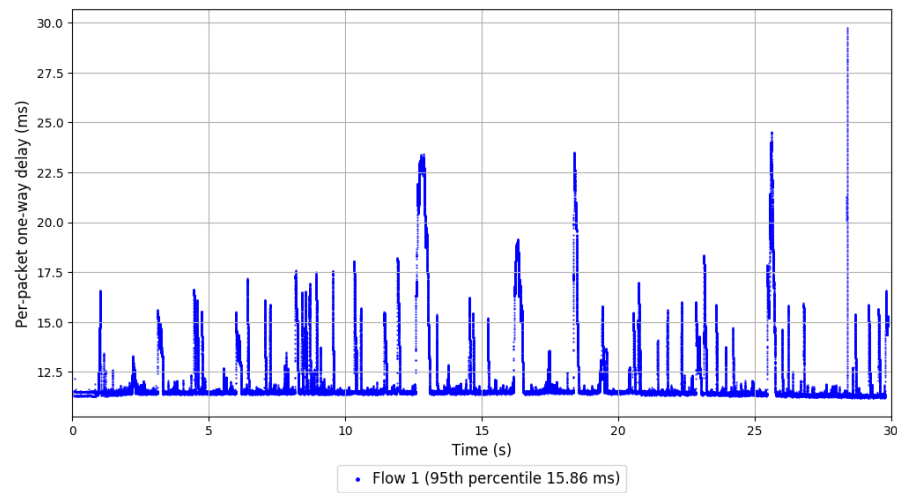
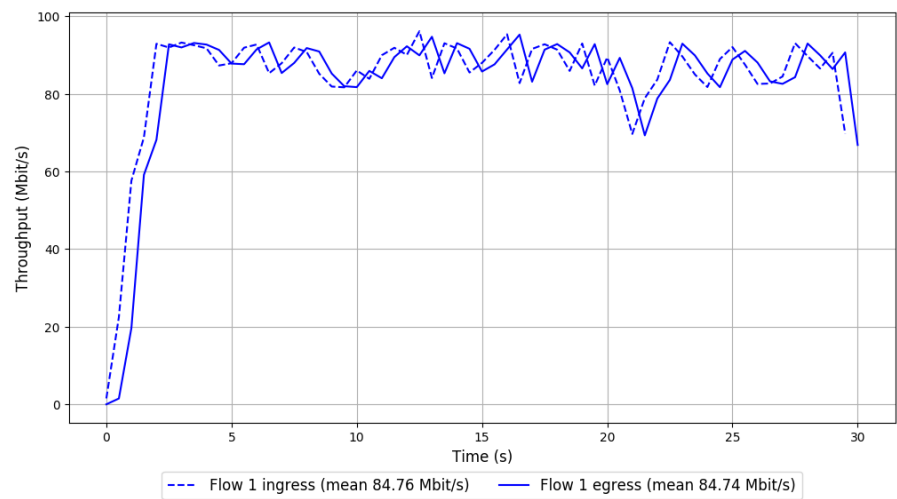
-- Flow 1:

Average throughput: 84.74 Mbit/s

95th percentile per-packet one-way delay: 15.862 ms

Loss rate: 0.10%

Run 1: Report of PCC-Vivace — Data Link



Run 2: Statistics of PCC-Vivace

Start at: 2018-05-25 01:58:44

End at: 2018-05-25 01:59:14

Local clock offset: 1.408 ms

Remote clock offset: -1.18 ms

Below is generated by plot.py at 2018-05-25 04:51:28

Datalink statistics

-- Total of 1 flow:

Average throughput: 84.20 Mbit/s

95th percentile per-packet one-way delay: 13.788 ms

Loss rate: 0.08%

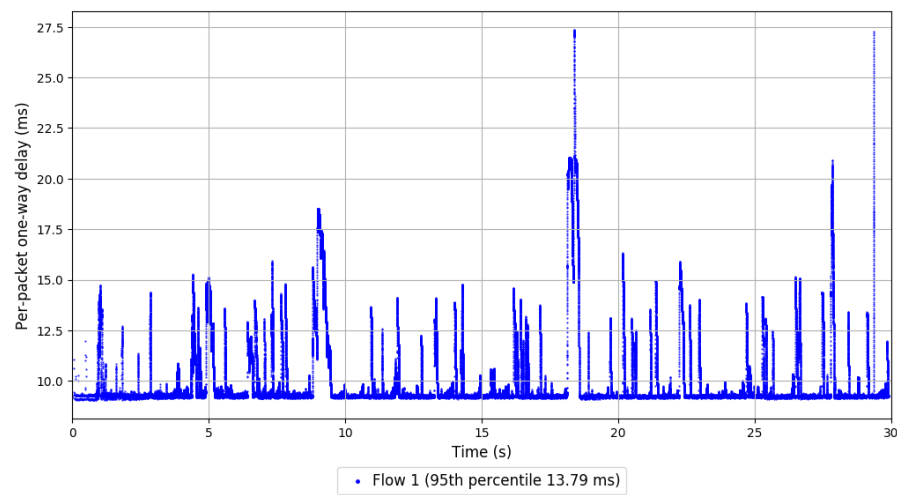
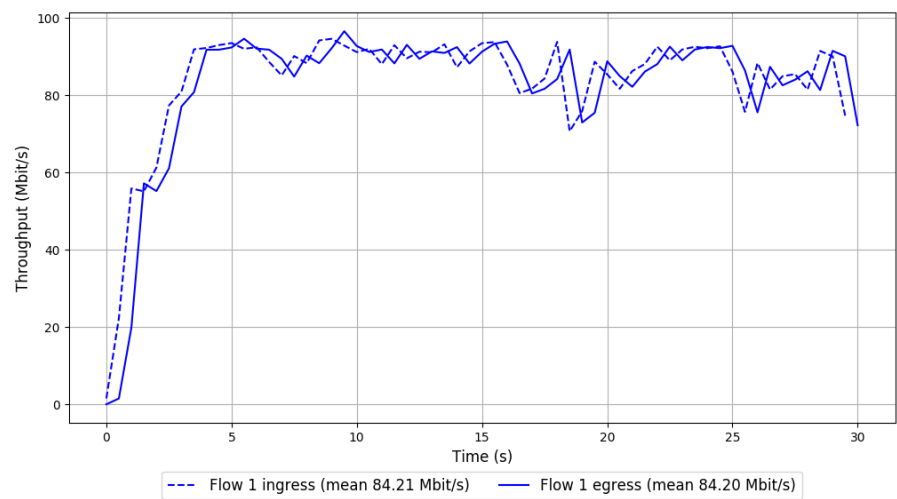
-- Flow 1:

Average throughput: 84.20 Mbit/s

95th percentile per-packet one-way delay: 13.788 ms

Loss rate: 0.08%

Run 2: Report of PCC-Vivace — Data Link



Run 3: Statistics of PCC-Vivace

Start at: 2018-05-25 02:17:04

End at: 2018-05-25 02:17:34

Local clock offset: 1.317 ms

Remote clock offset: -2.104 ms

Below is generated by plot.py at 2018-05-25 04:51:49

Datalink statistics

-- Total of 1 flow:

Average throughput: 88.02 Mbit/s

95th percentile per-packet one-way delay: 12.256 ms

Loss rate: 0.08%

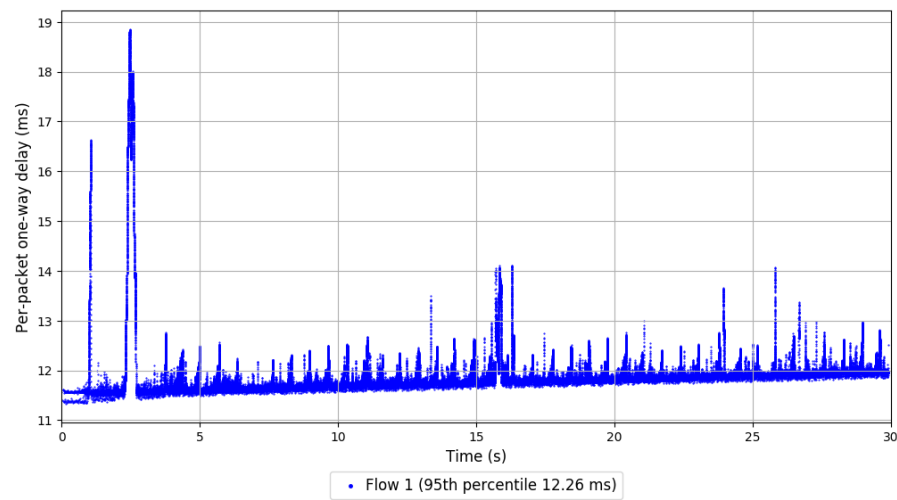
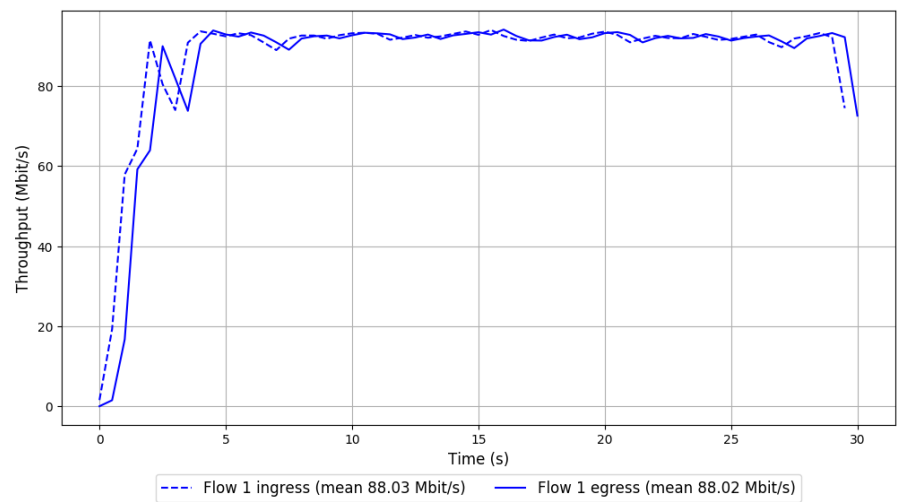
-- Flow 1:

Average throughput: 88.02 Mbit/s

95th percentile per-packet one-way delay: 12.256 ms

Loss rate: 0.08%

Run 3: Report of PCC-Vivace — Data Link



Run 4: Statistics of PCC-Vivace

Start at: 2018-05-25 02:35:24

End at: 2018-05-25 02:35:54

Local clock offset: 1.02 ms

Remote clock offset: 6.638 ms

Below is generated by plot.py at 2018-05-25 04:51:51

Datalink statistics

-- Total of 1 flow:

Average throughput: 86.88 Mbit/s

95th percentile per-packet one-way delay: 11.037 ms

Loss rate: 0.08%

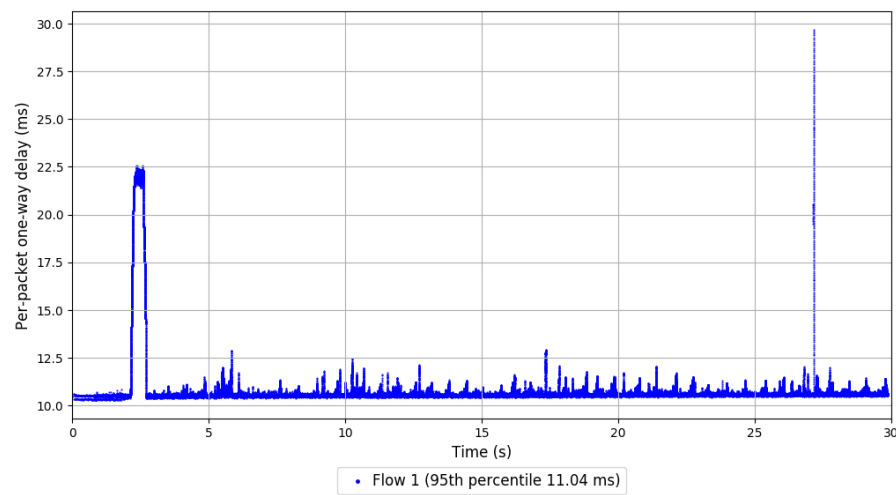
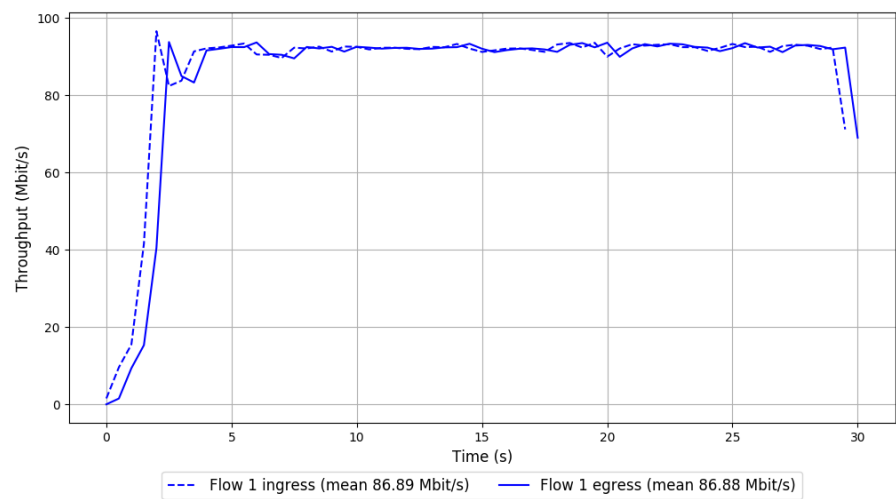
-- Flow 1:

Average throughput: 86.88 Mbit/s

95th percentile per-packet one-way delay: 11.037 ms

Loss rate: 0.08%

Run 4: Report of PCC-Vivace — Data Link



Run 5: Statistics of PCC-Vivace

Start at: 2018-05-25 02:53:54

End at: 2018-05-25 02:54:24

Local clock offset: 2.952 ms

Remote clock offset: 6.164 ms

Below is generated by plot.py at 2018-05-25 04:52:10

Datalink statistics

-- Total of 1 flow:

Average throughput: 87.55 Mbit/s

95th percentile per-packet one-way delay: 12.864 ms

Loss rate: 0.08%

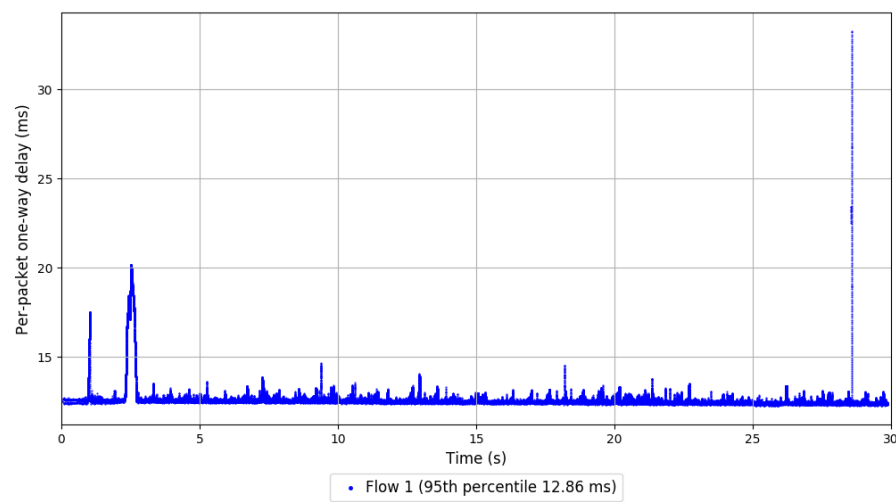
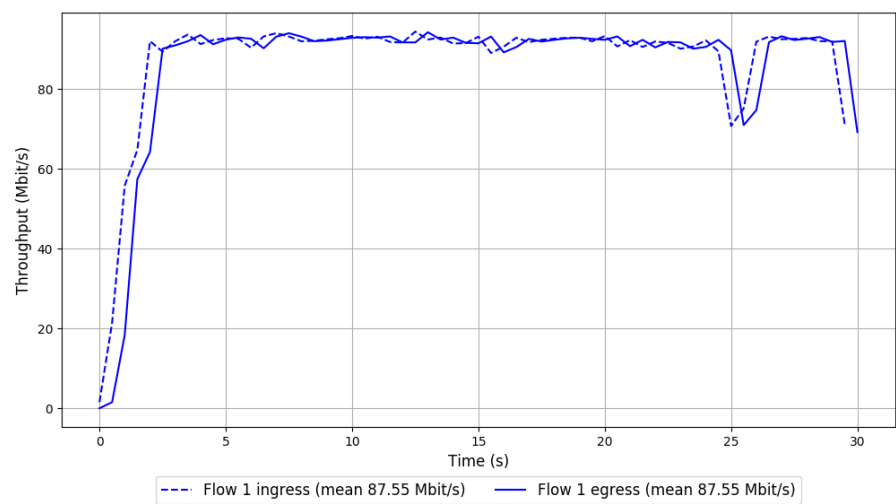
-- Flow 1:

Average throughput: 87.55 Mbit/s

95th percentile per-packet one-way delay: 12.864 ms

Loss rate: 0.08%

Run 5: Report of PCC-Vivace — Data Link



Run 6: Statistics of PCC-Vivace

Start at: 2018-05-25 03:12:21

End at: 2018-05-25 03:12:51

Local clock offset: 3.473 ms

Remote clock offset: 4.295 ms

Below is generated by plot.py at 2018-05-25 04:52:11

Datalink statistics

-- Total of 1 flow:

Average throughput: 83.59 Mbit/s

95th percentile per-packet one-way delay: 11.894 ms

Loss rate: 0.08%

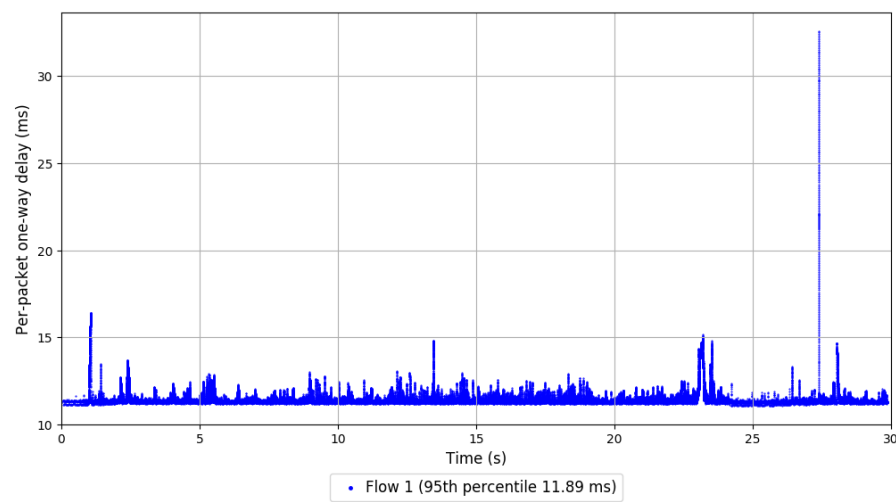
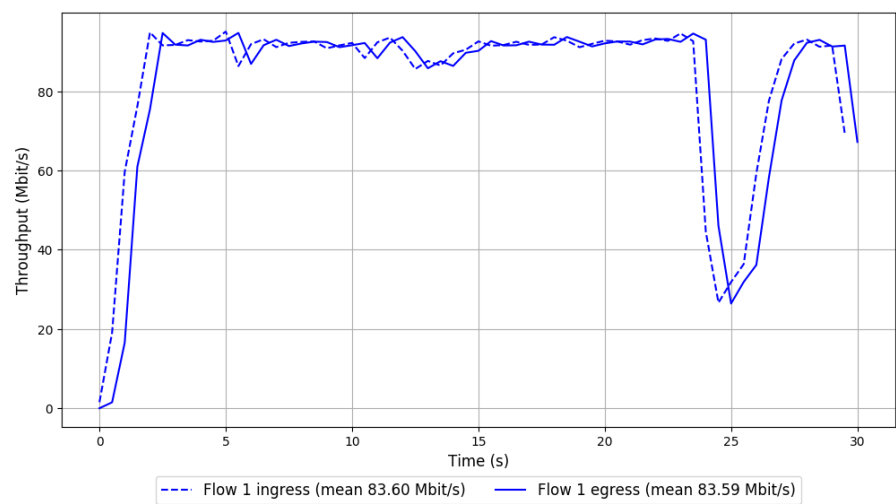
-- Flow 1:

Average throughput: 83.59 Mbit/s

95th percentile per-packet one-way delay: 11.894 ms

Loss rate: 0.08%

Run 6: Report of PCC-Vivace — Data Link



Run 7: Statistics of PCC-Vivace

Start at: 2018-05-25 03:31:02

End at: 2018-05-25 03:31:32

Local clock offset: 3.341 ms

Remote clock offset: 0.946 ms

Below is generated by plot.py at 2018-05-25 04:52:11

Datalink statistics

-- Total of 1 flow:

Average throughput: 87.44 Mbit/s

95th percentile per-packet one-way delay: 13.993 ms

Loss rate: 0.08%

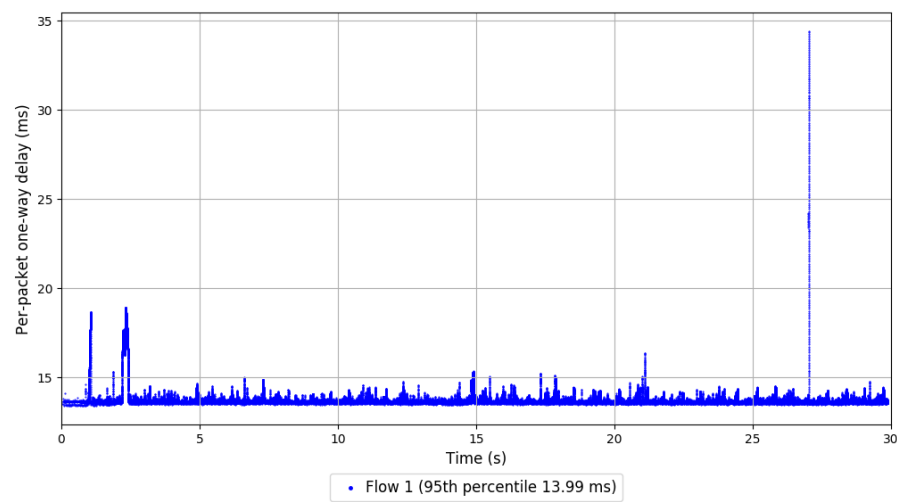
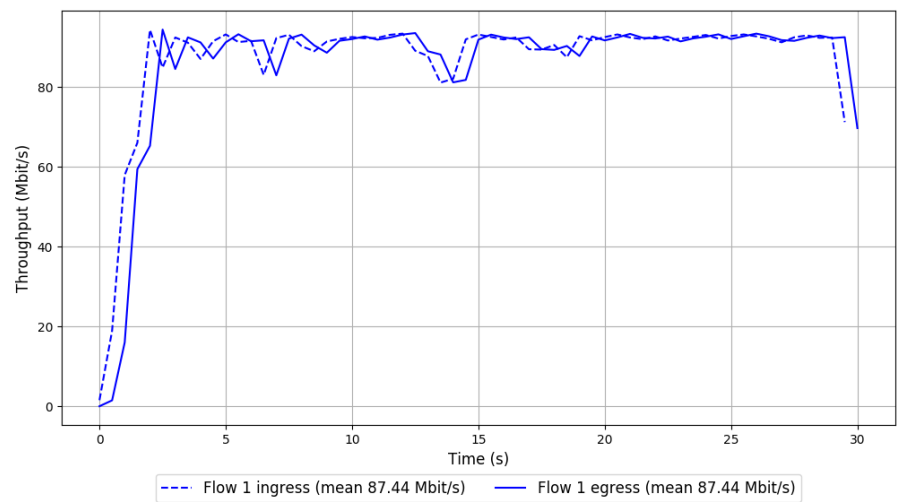
-- Flow 1:

Average throughput: 87.44 Mbit/s

95th percentile per-packet one-way delay: 13.993 ms

Loss rate: 0.08%

Run 7: Report of PCC-Vivace — Data Link



Run 8: Statistics of PCC-Vivace

Start at: 2018-05-25 03:49:35

End at: 2018-05-25 03:50:05

Local clock offset: 1.156 ms

Remote clock offset: -1.058 ms

Below is generated by plot.py at 2018-05-25 04:52:11

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.00 Mbit/s

95th percentile per-packet one-way delay: 13.368 ms

Loss rate: 0.00%

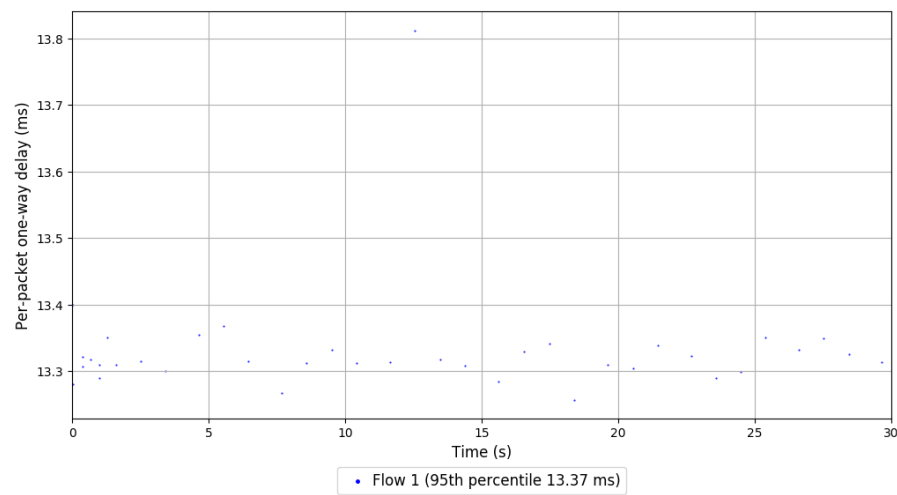
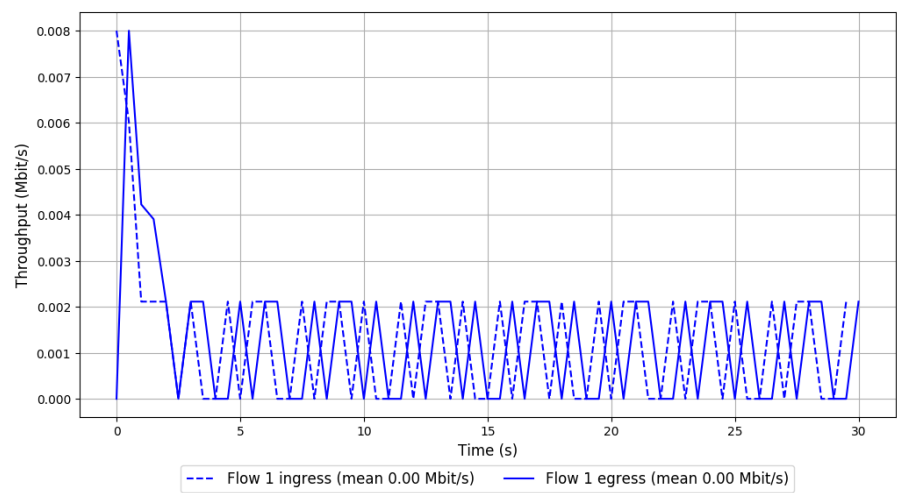
-- Flow 1:

Average throughput: 0.00 Mbit/s

95th percentile per-packet one-way delay: 13.368 ms

Loss rate: 0.00%

Run 8: Report of PCC-Vivace — Data Link



Run 9: Statistics of PCC-Vivace

Start at: 2018-05-25 04:07:40

End at: 2018-05-25 04:08:10

Local clock offset: 2.484 ms

Remote clock offset: 1.229 ms

Below is generated by plot.py at 2018-05-25 04:52:12

Datalink statistics

-- Total of 1 flow:

Average throughput: 83.61 Mbit/s

95th percentile per-packet one-way delay: 11.801 ms

Loss rate: 0.08%

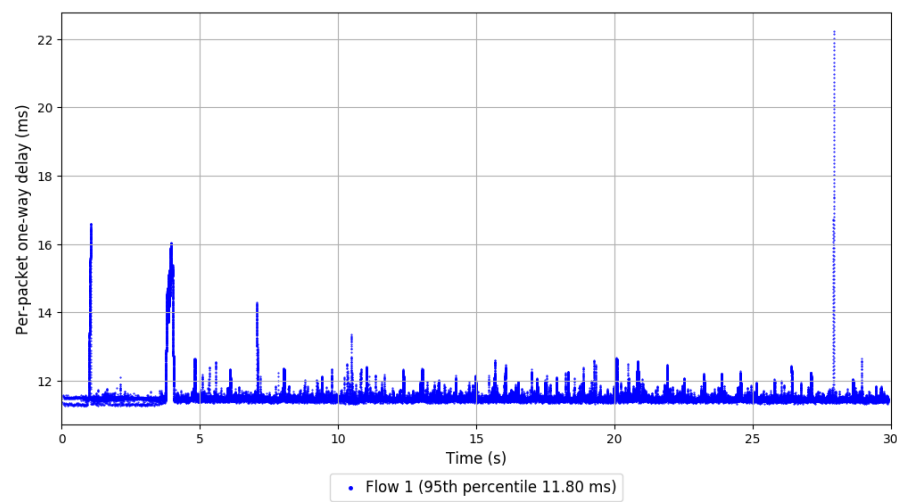
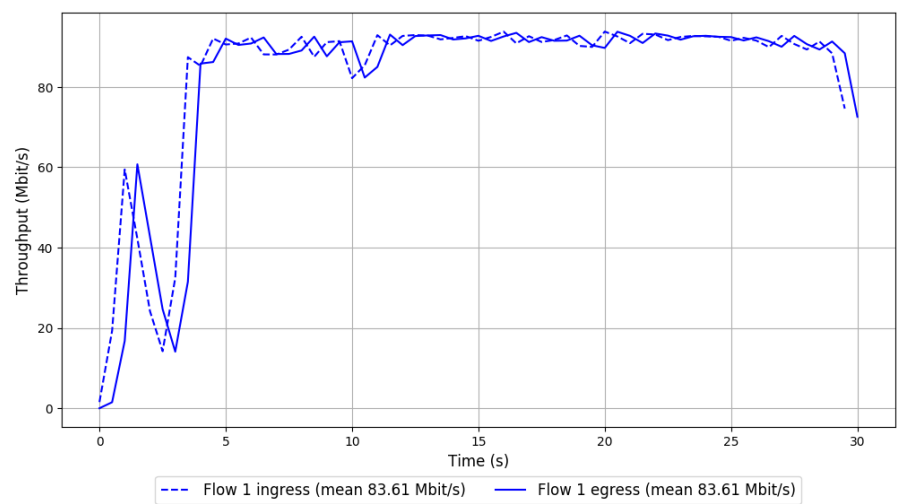
-- Flow 1:

Average throughput: 83.61 Mbit/s

95th percentile per-packet one-way delay: 11.801 ms

Loss rate: 0.08%

Run 9: Report of PCC-Vivace — Data Link



Run 10: Statistics of PCC-Vivace

Start at: 2018-05-25 04:26:07

End at: 2018-05-25 04:26:37

Local clock offset: 2.985 ms

Remote clock offset: 0.187 ms

Below is generated by plot.py at 2018-05-25 04:52:12

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.00 Mbit/s

95th percentile per-packet one-way delay: 12.609 ms

Loss rate: 0.00%

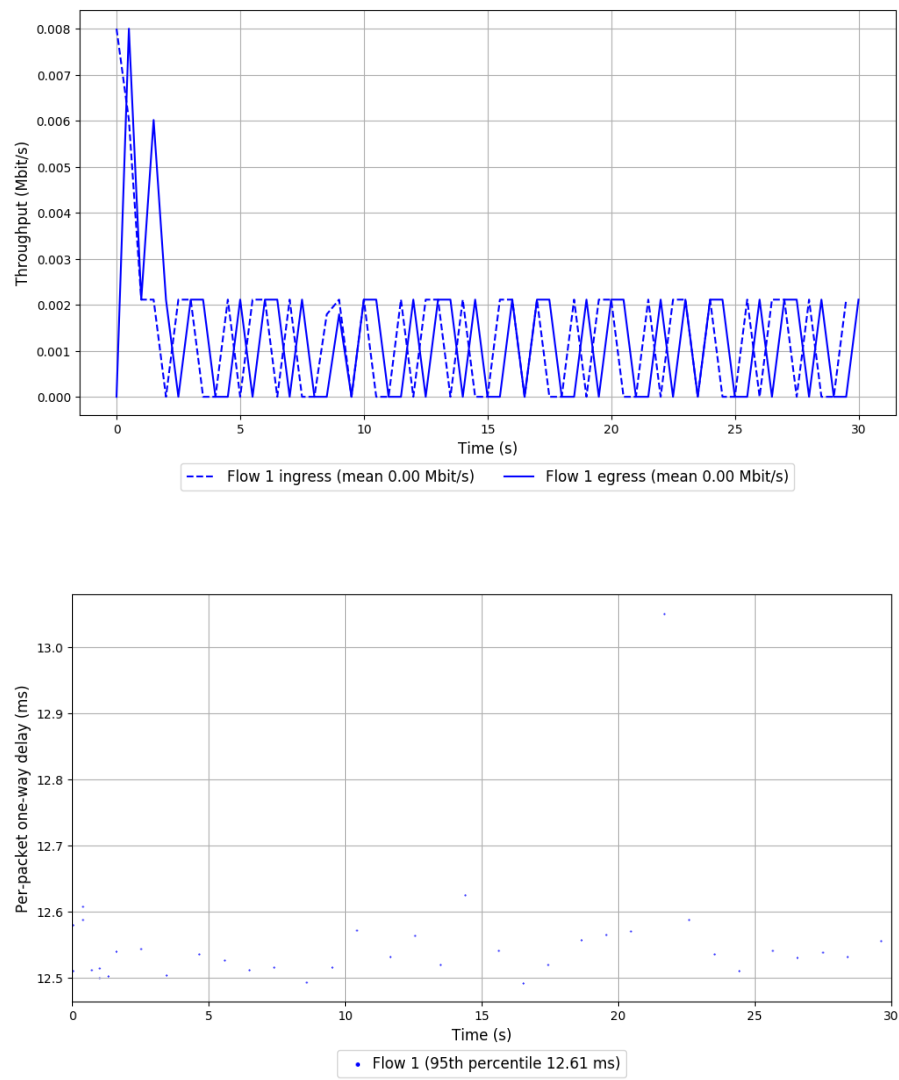
-- Flow 1:

Average throughput: 0.00 Mbit/s

95th percentile per-packet one-way delay: 12.609 ms

Loss rate: 0.00%

Run 10: Report of PCC-Vivace — Data Link



Run 1: Statistics of WebRTC media

Start at: 2018-05-25 01:33:39

End at: 2018-05-25 01:34:09

Local clock offset: 4.259 ms

Remote clock offset: 6.637 ms

Below is generated by plot.py at 2018-05-25 04:52:12

Datalink statistics

-- Total of 1 flow:

Average throughput: 2.43 Mbit/s

95th percentile per-packet one-way delay: 13.987 ms

Loss rate: 0.04%

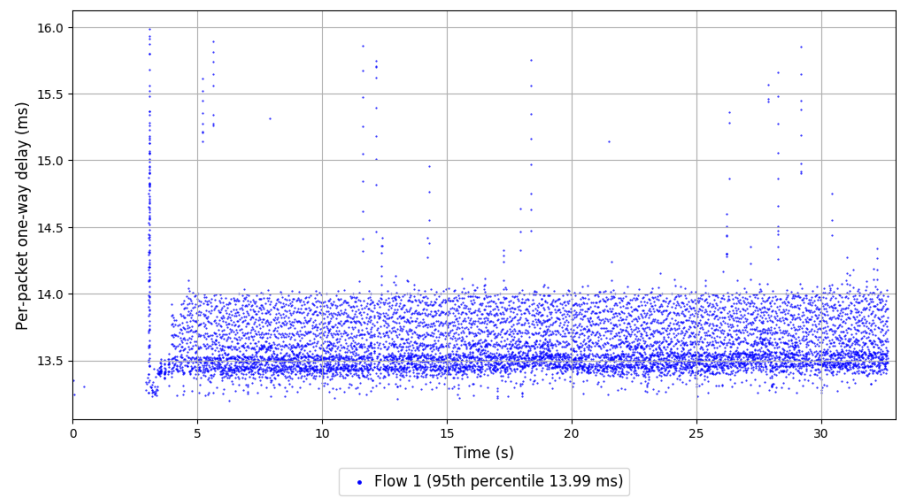
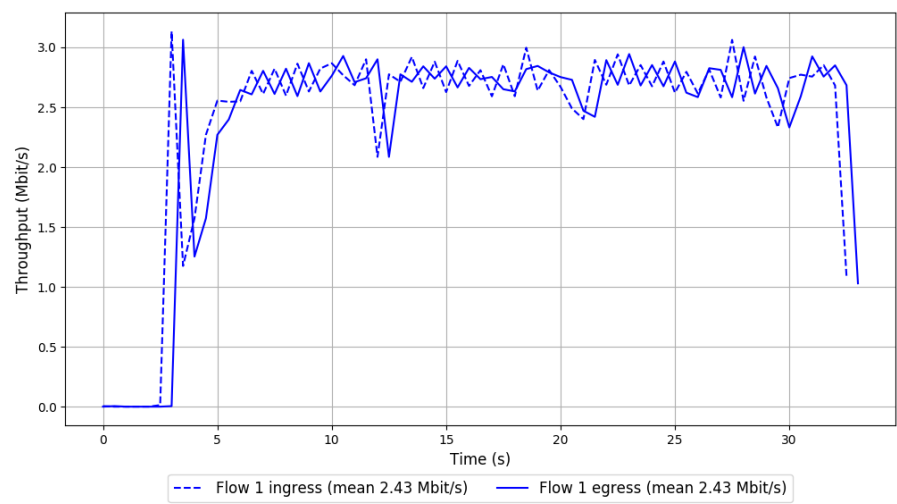
-- Flow 1:

Average throughput: 2.43 Mbit/s

95th percentile per-packet one-way delay: 13.987 ms

Loss rate: 0.04%

Run 1: Report of WebRTC media — Data Link

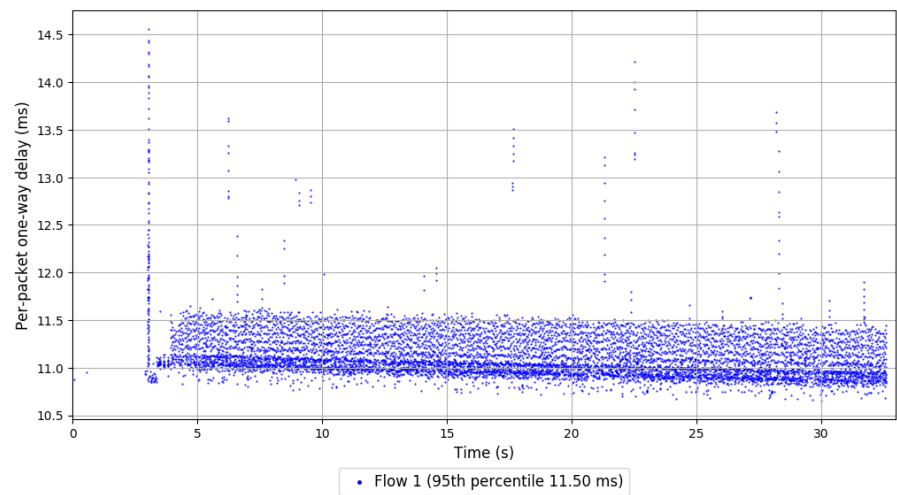
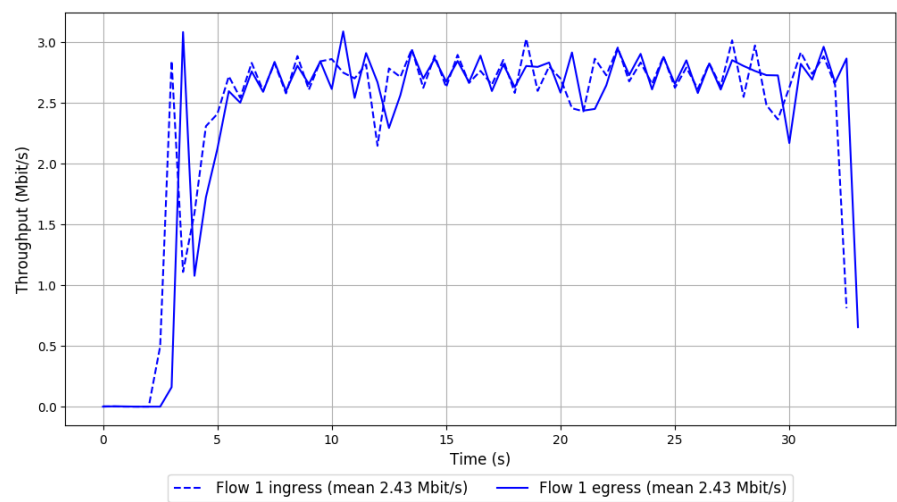


Run 2: Statistics of WebRTC media

Start at: 2018-05-25 01:52:02
End at: 2018-05-25 01:52:32
Local clock offset: 3.107 ms
Remote clock offset: -0.026 ms

Below is generated by plot.py at 2018-05-25 04:52:12
Datalink statistics
-- Total of 1 flow:
Average throughput: 2.43 Mbit/s
95th percentile per-packet one-way delay: 11.502 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 2.43 Mbit/s
95th percentile per-packet one-way delay: 11.502 ms
Loss rate: 0.10%

Run 2: Report of WebRTC media — Data Link

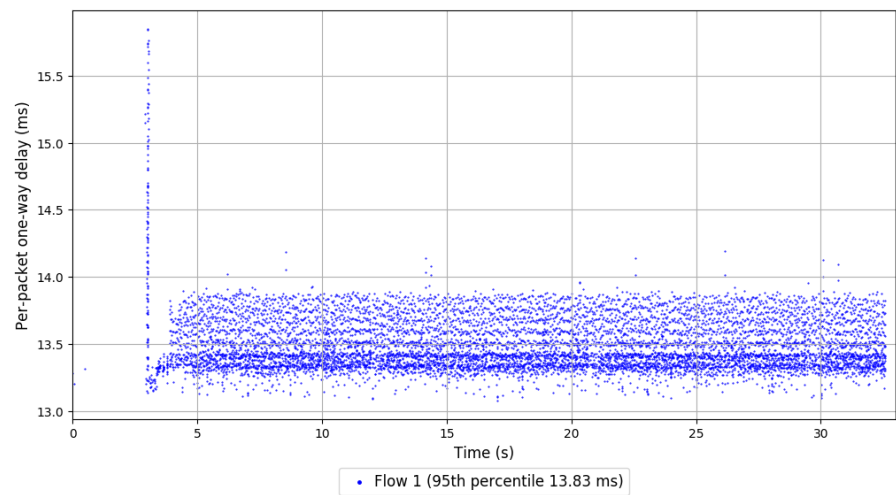
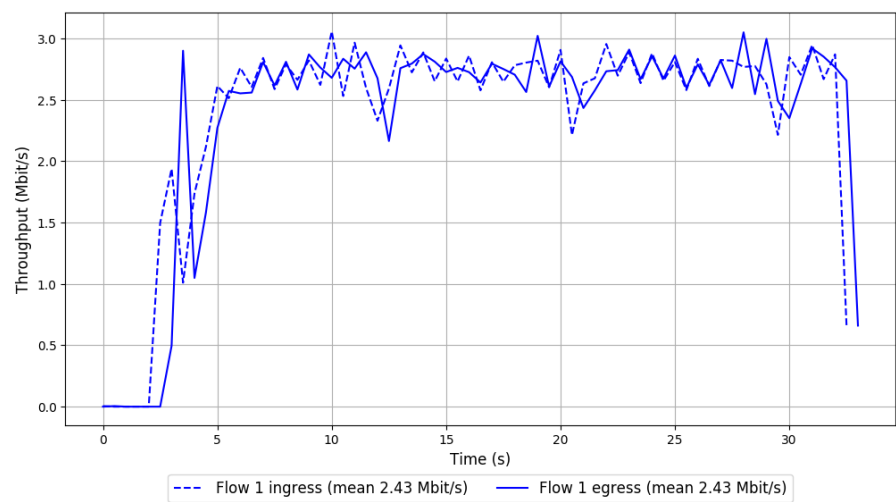


Run 3: Statistics of WebRTC media

Start at: 2018-05-25 02:10:20
End at: 2018-05-25 02:10:50
Local clock offset: 1.298 ms
Remote clock offset: -5.493 ms

Below is generated by plot.py at 2018-05-25 04:52:12
Datalink statistics
-- Total of 1 flow:
Average throughput: 2.43 Mbit/s
95th percentile per-packet one-way delay: 13.834 ms
Loss rate: 0.14%
-- Flow 1:
Average throughput: 2.43 Mbit/s
95th percentile per-packet one-way delay: 13.834 ms
Loss rate: 0.14%

Run 3: Report of WebRTC media — Data Link



Run 4: Statistics of WebRTC media

Start at: 2018-05-25 02:28:37

End at: 2018-05-25 02:29:07

Local clock offset: 2.21 ms

Remote clock offset: 3.345 ms

Below is generated by plot.py at 2018-05-25 04:52:12

Datalink statistics

-- Total of 1 flow:

Average throughput: 2.43 Mbit/s

95th percentile per-packet one-way delay: 13.949 ms

Loss rate: 0.02%

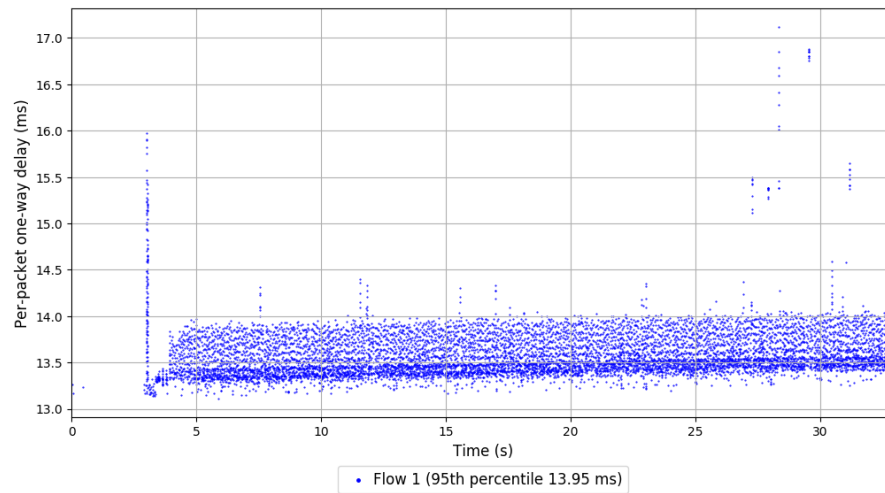
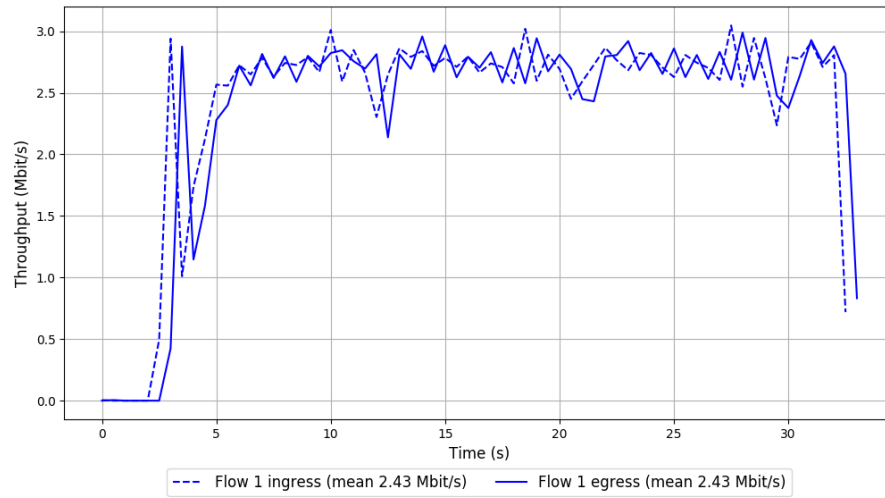
-- Flow 1:

Average throughput: 2.43 Mbit/s

95th percentile per-packet one-way delay: 13.949 ms

Loss rate: 0.02%

Run 4: Report of WebRTC media — Data Link



Run 5: Statistics of WebRTC media

Start at: 2018-05-25 02:47:08

End at: 2018-05-25 02:47:38

Local clock offset: 1.298 ms

Remote clock offset: 6.864 ms

Below is generated by plot.py at 2018-05-25 04:52:12

Datalink statistics

-- Total of 1 flow:

Average throughput: 2.43 Mbit/s

95th percentile per-packet one-way delay: 13.107 ms

Loss rate: 0.14%

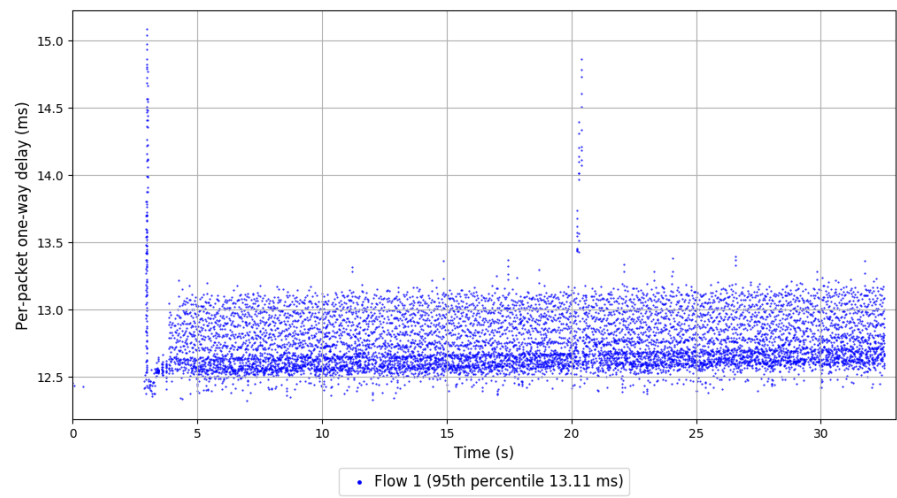
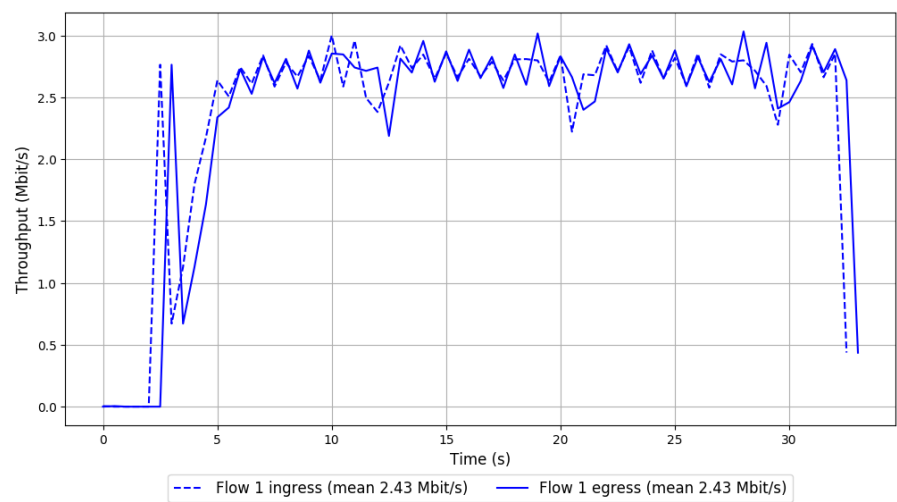
-- Flow 1:

Average throughput: 2.43 Mbit/s

95th percentile per-packet one-way delay: 13.107 ms

Loss rate: 0.14%

Run 5: Report of WebRTC media — Data Link



Run 6: Statistics of WebRTC media

Start at: 2018-05-25 03:05:39

End at: 2018-05-25 03:06:09

Local clock offset: 1.059 ms

Remote clock offset: 3.211 ms

Below is generated by plot.py at 2018-05-25 04:52:12

Datalink statistics

-- Total of 1 flow:

Average throughput: 2.43 Mbit/s

95th percentile per-packet one-way delay: 11.039 ms

Loss rate: 0.14%

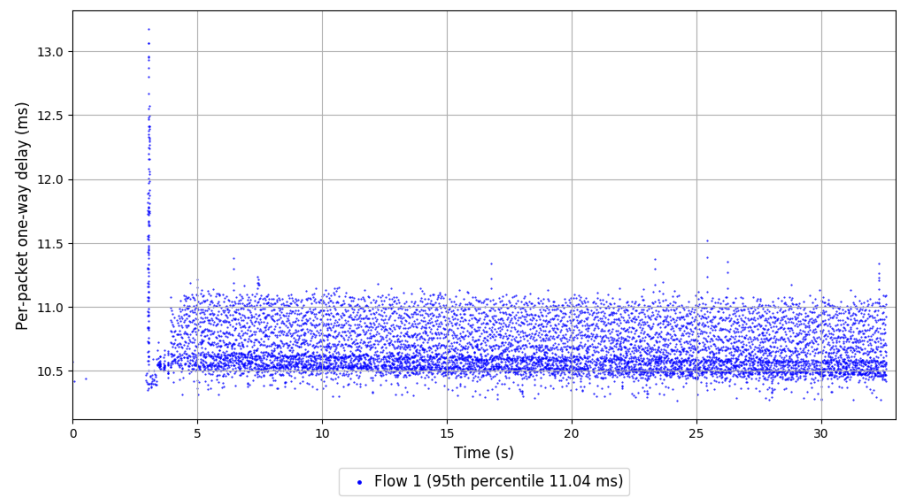
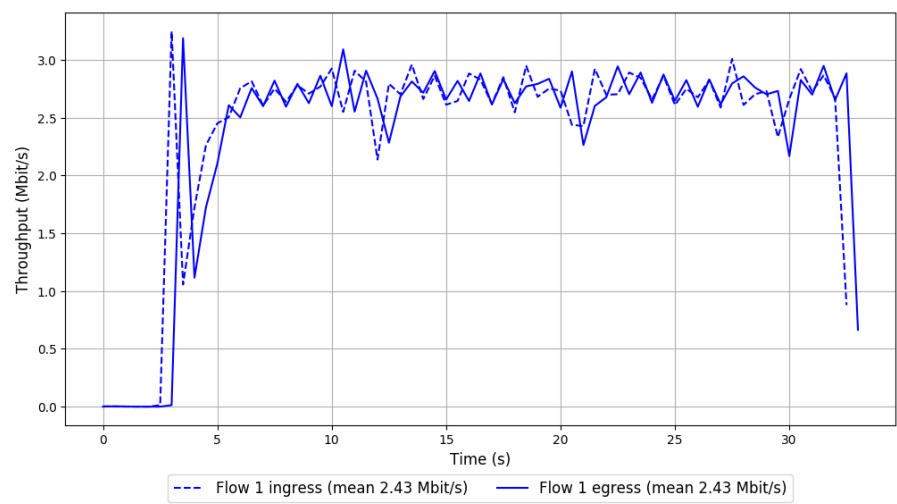
-- Flow 1:

Average throughput: 2.43 Mbit/s

95th percentile per-packet one-way delay: 11.039 ms

Loss rate: 0.14%

Run 6: Report of WebRTC media — Data Link



Run 7: Statistics of WebRTC media

Start at: 2018-05-25 03:24:06

End at: 2018-05-25 03:24:36

Local clock offset: 4.726 ms

Remote clock offset: 3.488 ms

Below is generated by plot.py at 2018-05-25 04:52:12

Datalink statistics

-- Total of 1 flow:

Average throughput: 2.43 Mbit/s

95th percentile per-packet one-way delay: 13.307 ms

Loss rate: 0.13%

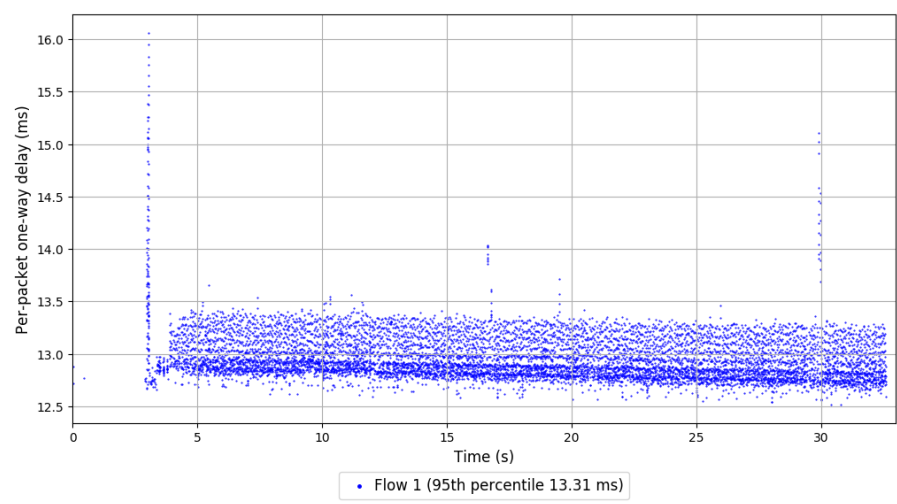
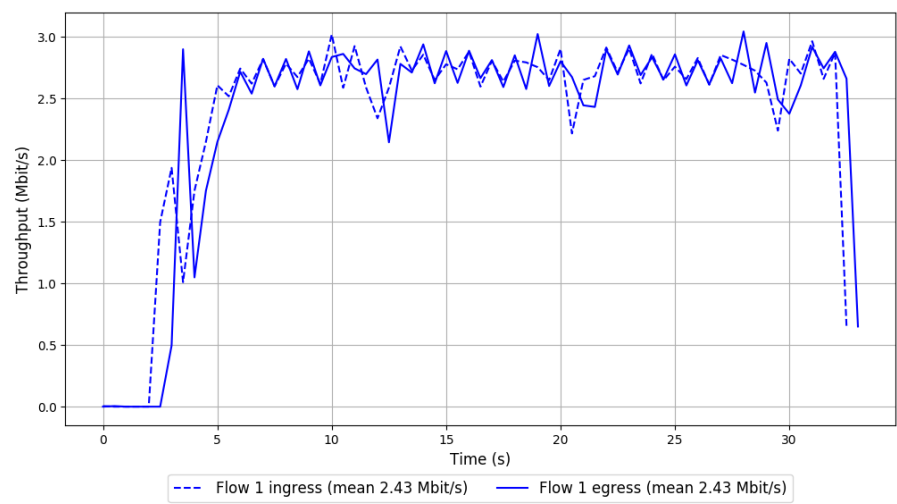
-- Flow 1:

Average throughput: 2.43 Mbit/s

95th percentile per-packet one-way delay: 13.307 ms

Loss rate: 0.13%

Run 7: Report of WebRTC media — Data Link



Run 8: Statistics of WebRTC media

Start at: 2018-05-25 03:42:51

End at: 2018-05-25 03:43:21

Local clock offset: 3.246 ms

Remote clock offset: 1.928 ms

Below is generated by plot.py at 2018-05-25 04:52:12

Datalink statistics

-- Total of 1 flow:

Average throughput: 2.43 Mbit/s

95th percentile per-packet one-way delay: 13.028 ms

Loss rate: 0.00%

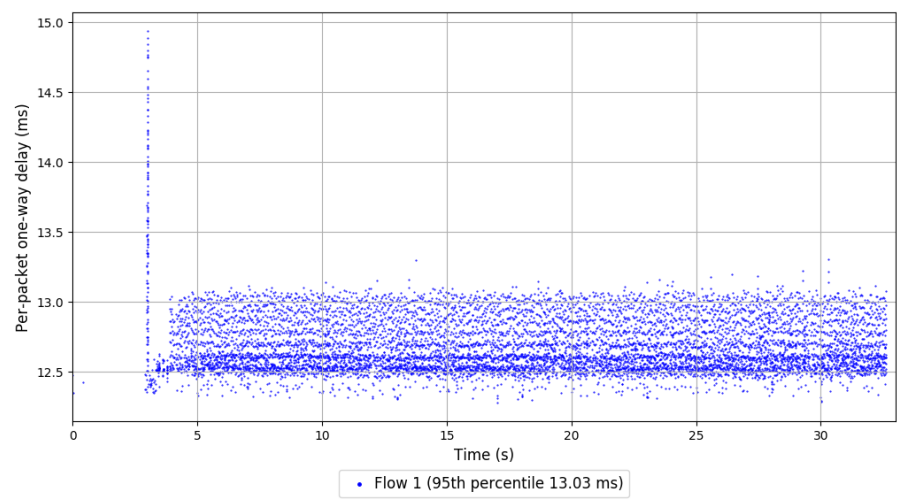
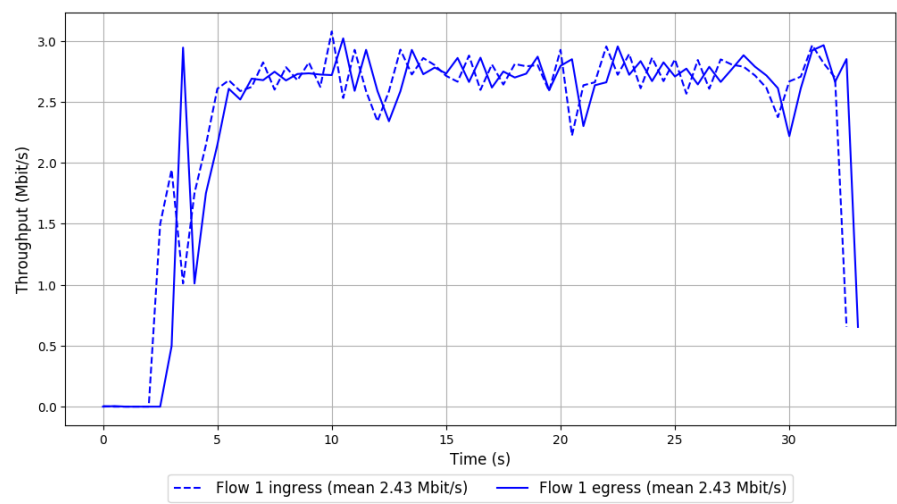
-- Flow 1:

Average throughput: 2.43 Mbit/s

95th percentile per-packet one-way delay: 13.028 ms

Loss rate: 0.00%

Run 8: Report of WebRTC media — Data Link

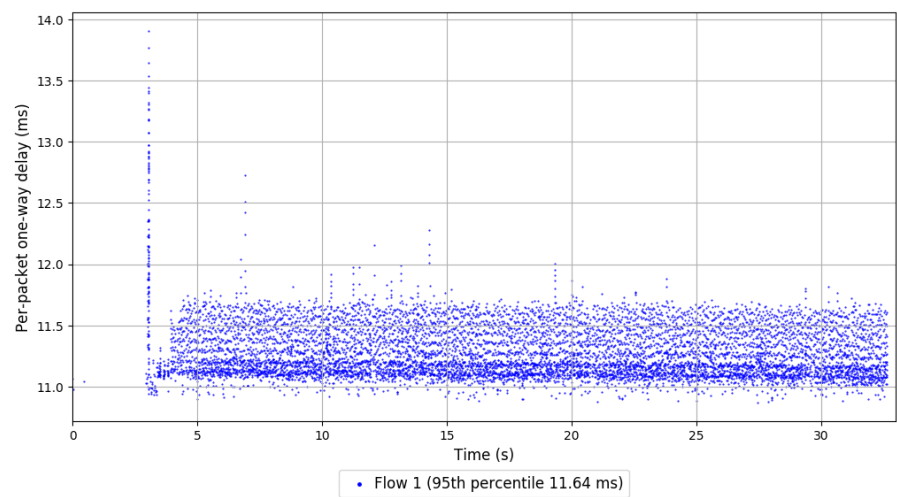
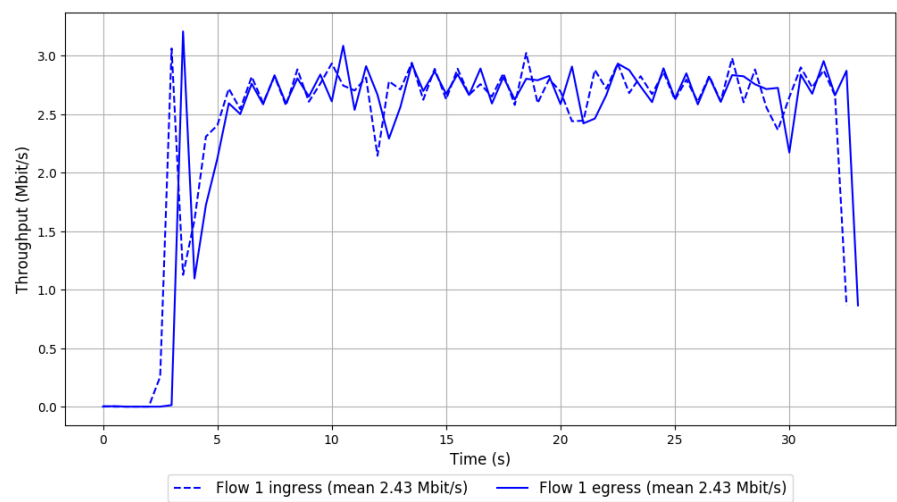


Run 9: Statistics of WebRTC media

Start at: 2018-05-25 04:01:01
End at: 2018-05-25 04:01:31
Local clock offset: 0.051 ms
Remote clock offset: -0.491 ms

Below is generated by plot.py at 2018-05-25 04:52:12
Datalink statistics
-- Total of 1 flow:
Average throughput: 2.43 Mbit/s
95th percentile per-packet one-way delay: 11.640 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.43 Mbit/s
95th percentile per-packet one-way delay: 11.640 ms
Loss rate: 0.00%

Run 9: Report of WebRTC media — Data Link



Run 10: Statistics of WebRTC media

Start at: 2018-05-25 04:19:22

End at: 2018-05-25 04:19:52

Local clock offset: 2.709 ms

Remote clock offset: 1.641 ms

Below is generated by plot.py at 2018-05-25 04:52:12

Datalink statistics

-- Total of 1 flow:

Average throughput: 2.43 Mbit/s

95th percentile per-packet one-way delay: 11.544 ms

Loss rate: 0.10%

-- Flow 1:

Average throughput: 2.43 Mbit/s

95th percentile per-packet one-way delay: 11.544 ms

Loss rate: 0.10%

Run 10: Report of WebRTC media — Data Link

