

Pantheon Report

Generated at 2018-05-24 06:44:23 (UTC).

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

Repeated the test of 16 congestion control schemes 10 times.

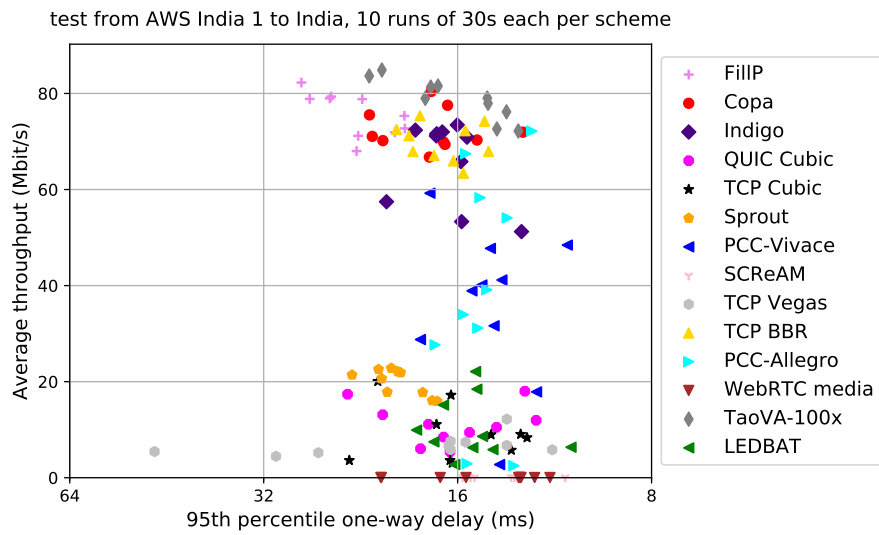
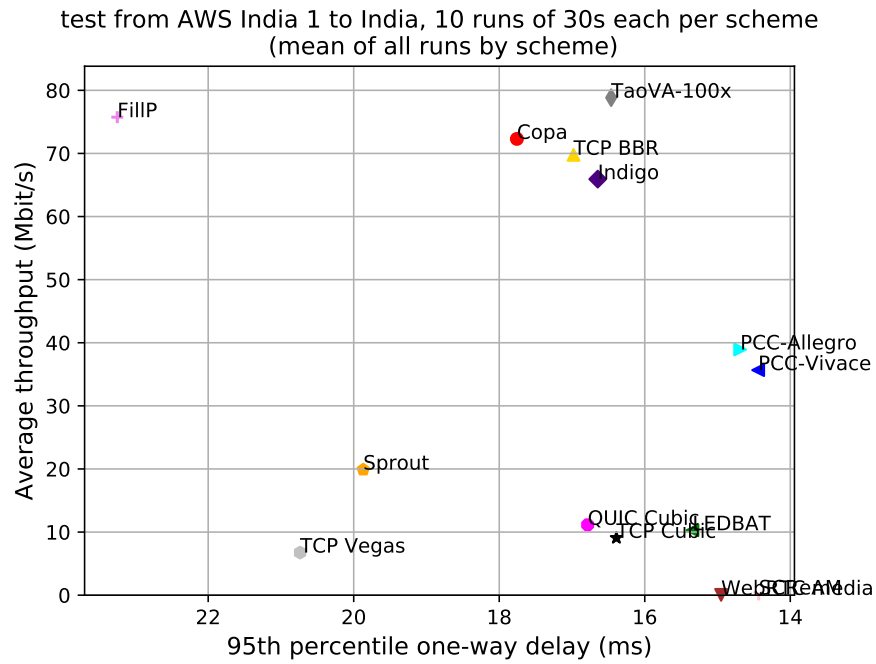
Each test lasted for 30 seconds running 1 flow.

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/fillp @ d47f4fa1b454a5e3c0537115c5a28436dbd4b834
third_party/genericCC @ c7966e494a929986eaa5a9c169a7f381fe1bbbe5
third_party/indigo @ 2601c92e4aa9d58d38dc4dfe0ecdbf90c077e64d
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-quirk @ 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
```



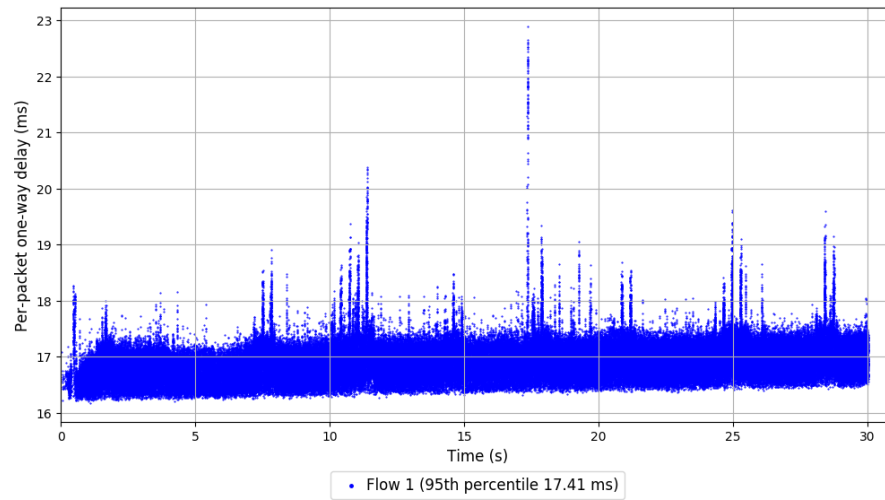
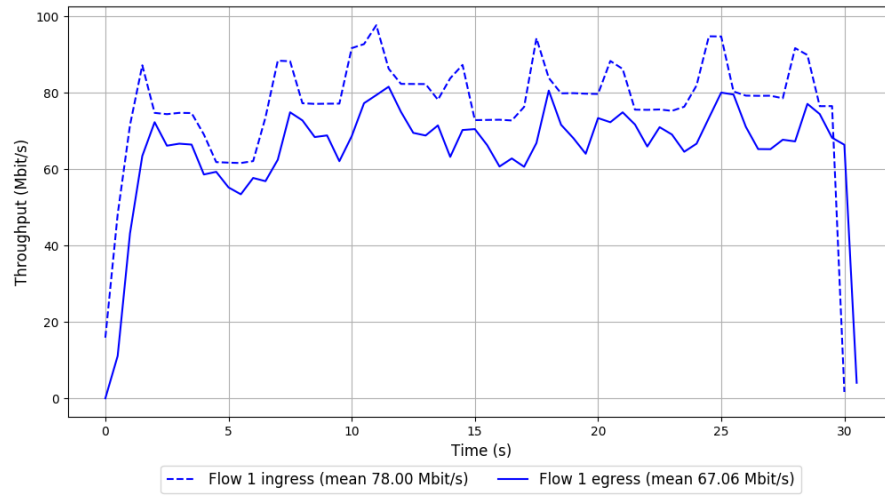
scheme	# runs	mean avg tput (Mbit/s) flow 1	mean 95th-%ile delay (ms) flow 1	mean loss rate (%) flow 1
TCP BBR	10	69.78	16.98	13.21
Copa	10	72.30	17.76	14.57
TCP Cubic	10	9.08	16.39	2.01
FillP	10	75.75	23.25	15.83
Indigo	10	65.93	16.65	11.18
LEDBAT	10	10.29	15.35	1.73
PCC-Allegro	10	38.93	14.69	8.00
PCC-Expr	0	N/A	N/A	N/A
QUIC Cubic	10	11.14	16.78	2.89
SCReAM	10	0.12	14.43	2.02
Sprout	10	19.90	19.87	4.99
TaoVA-100x	10	78.83	16.46	13.86
TCP Vegas	10	6.75	20.74	3.10
Verus	0	N/A	N/A	N/A
PCC-Vivace	10	35.66	14.44	6.38
WebRTC media	10	0.05	14.95	2.96

Run 1: Statistics of TCP BBR

Start at: 2018-05-24 03:42:14
End at: 2018-05-24 03:42:44
Local clock offset: -0.508 ms
Remote clock offset: -12.261 ms

Below is generated by plot.py at 2018-05-24 06:33:24
Datalink statistics
-- Total of 1 flow:
Average throughput: 67.06 Mbit/s
95th percentile per-packet one-way delay: 17.407 ms
Loss rate: 14.03%
-- Flow 1:
Average throughput: 67.06 Mbit/s
95th percentile per-packet one-way delay: 17.407 ms
Loss rate: 14.03%

Run 1: Report of TCP BBR — Data Link

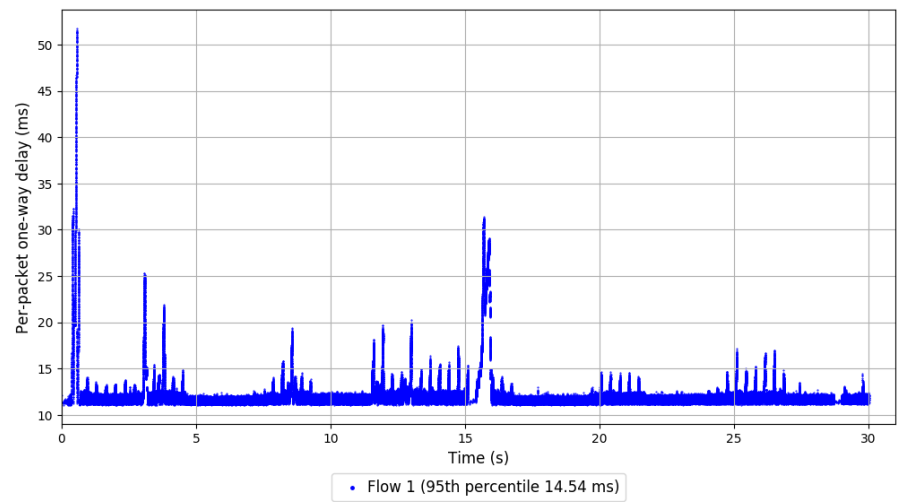
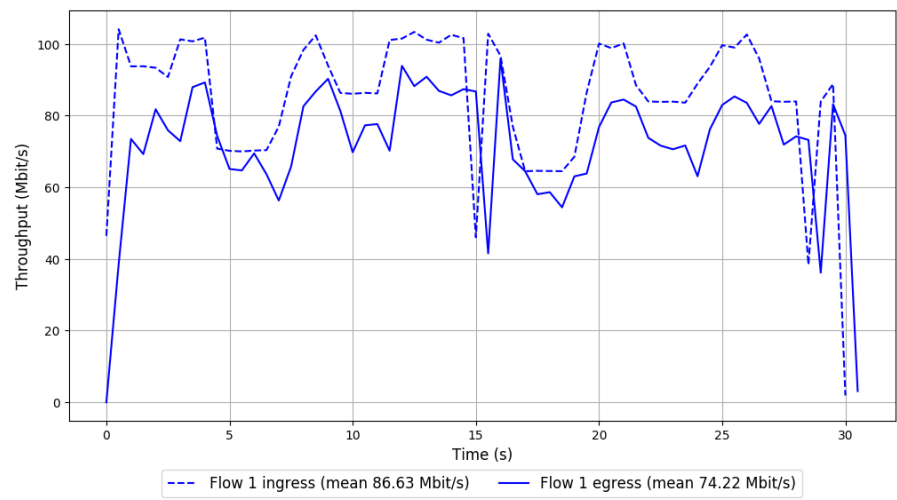


Run 2: Statistics of TCP BBR

Start at: 2018-05-24 04:00:36
End at: 2018-05-24 04:01:06
Local clock offset: 1.886 ms
Remote clock offset: -21.113 ms

Below is generated by plot.py at 2018-05-24 06:33:30
Datalink statistics
-- Total of 1 flow:
Average throughput: 74.22 Mbit/s
95th percentile per-packet one-way delay: 14.536 ms
Loss rate: 14.34%
-- Flow 1:
Average throughput: 74.22 Mbit/s
95th percentile per-packet one-way delay: 14.536 ms
Loss rate: 14.34%

Run 2: Report of TCP BBR — Data Link

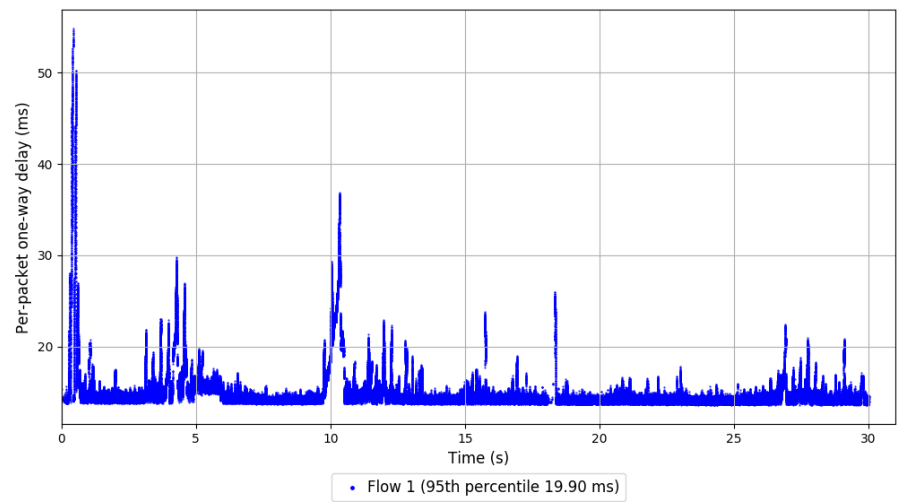
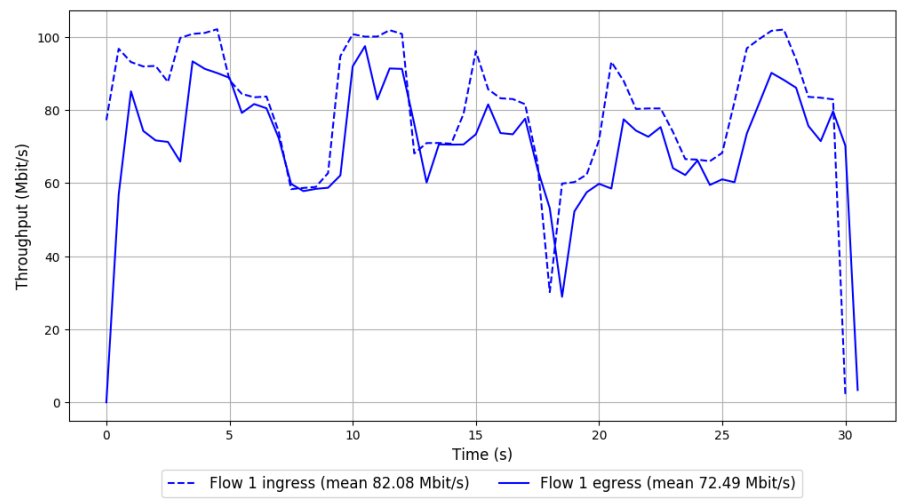


Run 3: Statistics of TCP BBR

Start at: 2018-05-24 04:19:23
End at: 2018-05-24 04:19:53
Local clock offset: -1.975 ms
Remote clock offset: -2.604 ms

Below is generated by plot.py at 2018-05-24 06:33:30
Datalink statistics
-- Total of 1 flow:
Average throughput: 72.49 Mbit/s
95th percentile per-packet one-way delay: 19.903 ms
Loss rate: 11.69%
-- Flow 1:
Average throughput: 72.49 Mbit/s
95th percentile per-packet one-way delay: 19.903 ms
Loss rate: 11.69%

Run 3: Report of TCP BBR — Data Link



Run 4: Statistics of TCP BBR

Start at: 2018-05-24 04:37:32

End at: 2018-05-24 04:38:02

Local clock offset: 0.911 ms

Remote clock offset: 0.77 ms

Below is generated by plot.py at 2018-05-24 06:33:30

Datalink statistics

-- Total of 1 flow:

Average throughput: 72.25 Mbit/s

95th percentile per-packet one-way delay: 15.577 ms

Loss rate: 11.77%

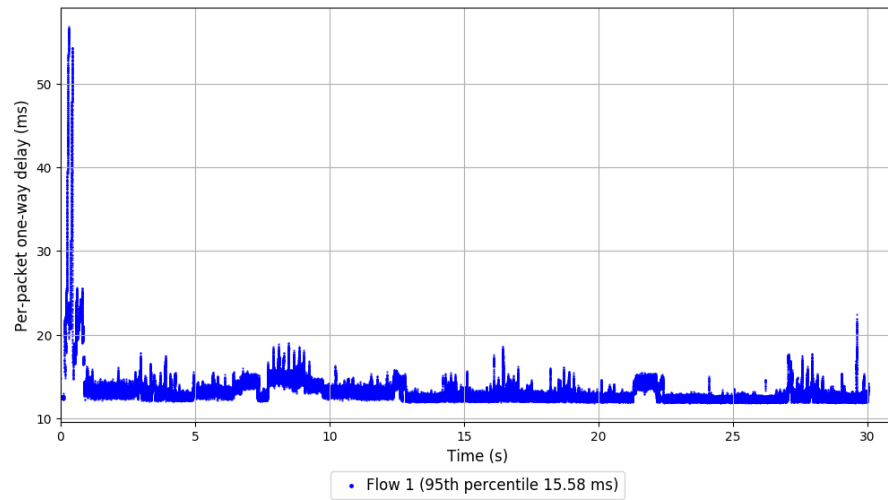
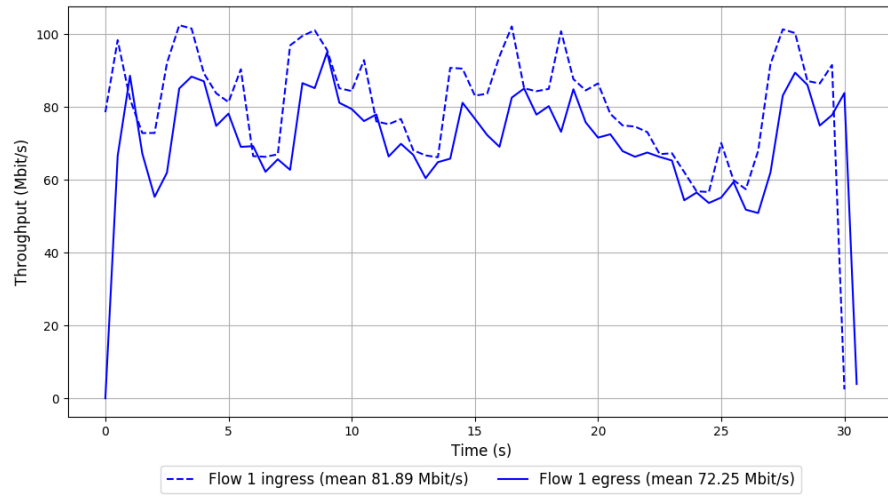
-- Flow 1:

Average throughput: 72.25 Mbit/s

95th percentile per-packet one-way delay: 15.577 ms

Loss rate: 11.77%

Run 4: Report of TCP BBR — Data Link



Run 5: Statistics of TCP BBR

Start at: 2018-05-24 04:55:51

End at: 2018-05-24 04:56:21

Local clock offset: -0.552 ms

Remote clock offset: 7.035 ms

Below is generated by plot.py at 2018-05-24 06:33:31

Datalink statistics

-- Total of 1 flow:

Average throughput: 75.35 Mbit/s

95th percentile per-packet one-way delay: 18.306 ms

Loss rate: 12.69%

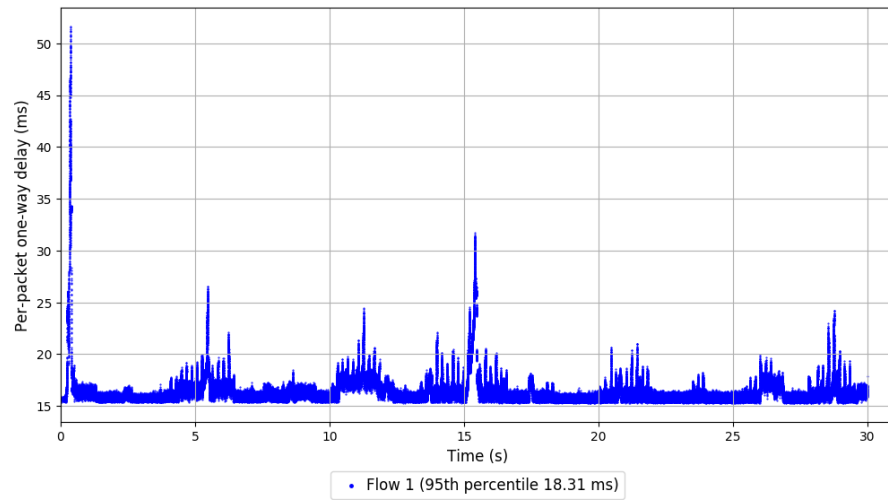
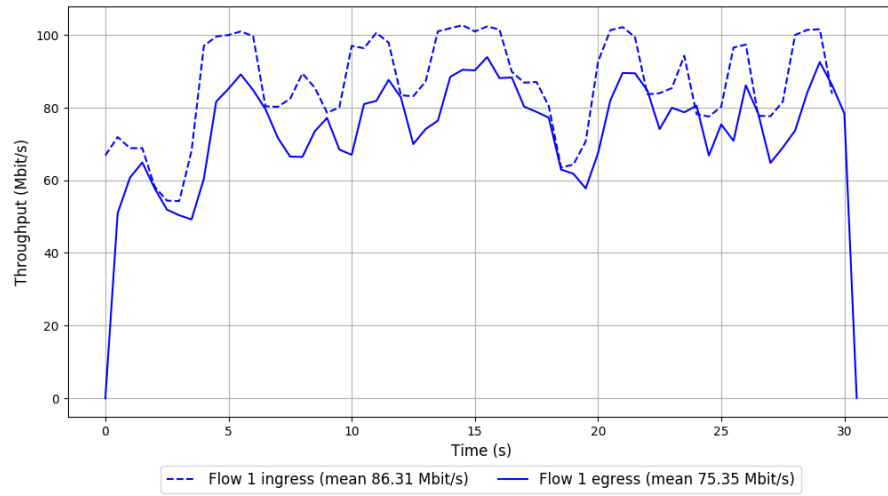
-- Flow 1:

Average throughput: 75.35 Mbit/s

95th percentile per-packet one-way delay: 18.306 ms

Loss rate: 12.69%

Run 5: Report of TCP BBR — Data Link



Run 6: Statistics of TCP BBR

Start at: 2018-05-24 05:14:03

End at: 2018-05-24 05:14:33

Local clock offset: -1.327 ms

Remote clock offset: 6.255 ms

Below is generated by plot.py at 2018-05-24 06:33:31

Datalink statistics

-- Total of 1 flow:

Average throughput: 67.90 Mbit/s

95th percentile per-packet one-way delay: 18.769 ms

Loss rate: 14.16%

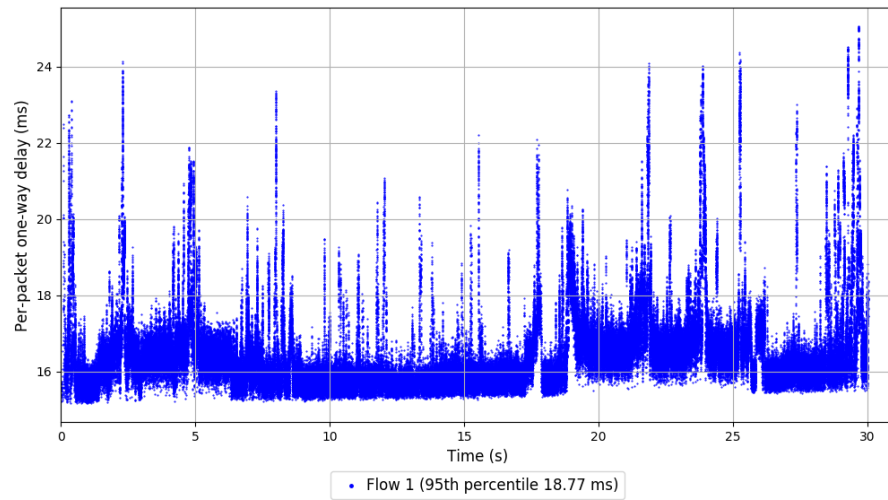
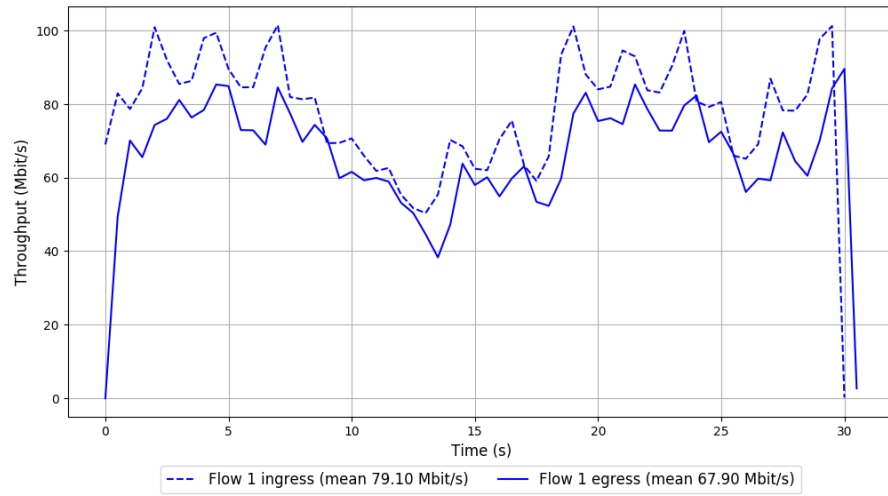
-- Flow 1:

Average throughput: 67.90 Mbit/s

95th percentile per-packet one-way delay: 18.769 ms

Loss rate: 14.16%

Run 6: Report of TCP BBR — Data Link



Run 7: Statistics of TCP BBR

Start at: 2018-05-24 05:32:04

End at: 2018-05-24 05:32:34

Local clock offset: 1.14 ms

Remote clock offset: -1.413 ms

Below is generated by plot.py at 2018-05-24 06:33:31

Datalink statistics

-- Total of 1 flow:

Average throughput: 63.40 Mbit/s

95th percentile per-packet one-way delay: 15.680 ms

Loss rate: 15.50%

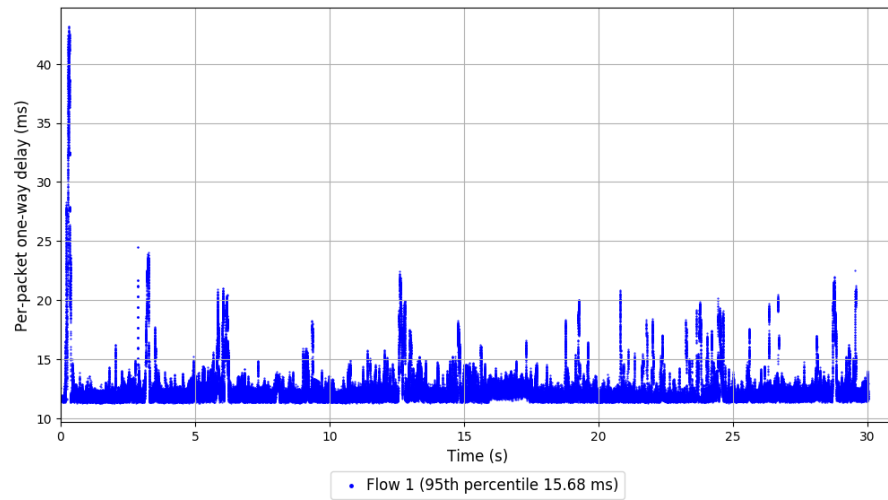
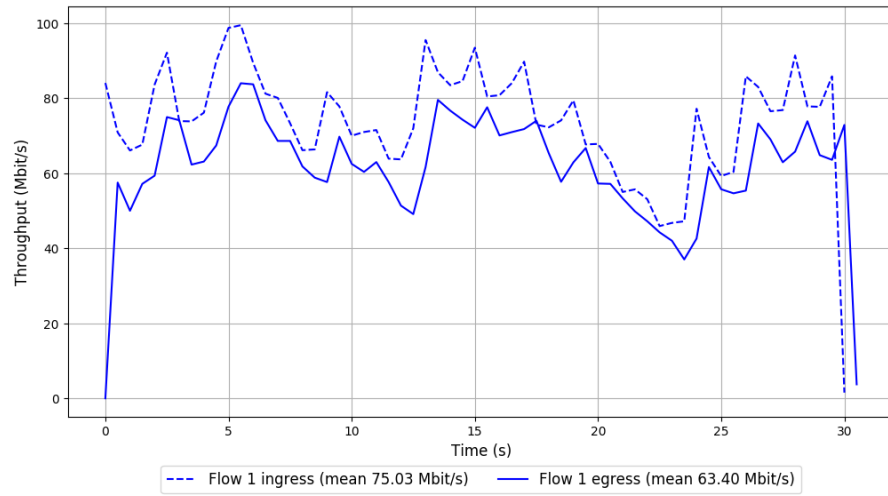
-- Flow 1:

Average throughput: 63.40 Mbit/s

95th percentile per-packet one-way delay: 15.680 ms

Loss rate: 15.50%

Run 7: Report of TCP BBR — Data Link



Run 8: Statistics of TCP BBR

Start at: 2018-05-24 05:50:30

End at: 2018-05-24 05:51:00

Local clock offset: 1.471 ms

Remote clock offset: 3.763 ms

Below is generated by plot.py at 2018-05-24 06:33:31

Datalink statistics

-- Total of 1 flow:

Average throughput: 65.95 Mbit/s

95th percentile per-packet one-way delay: 16.242 ms

Loss rate: 13.06%

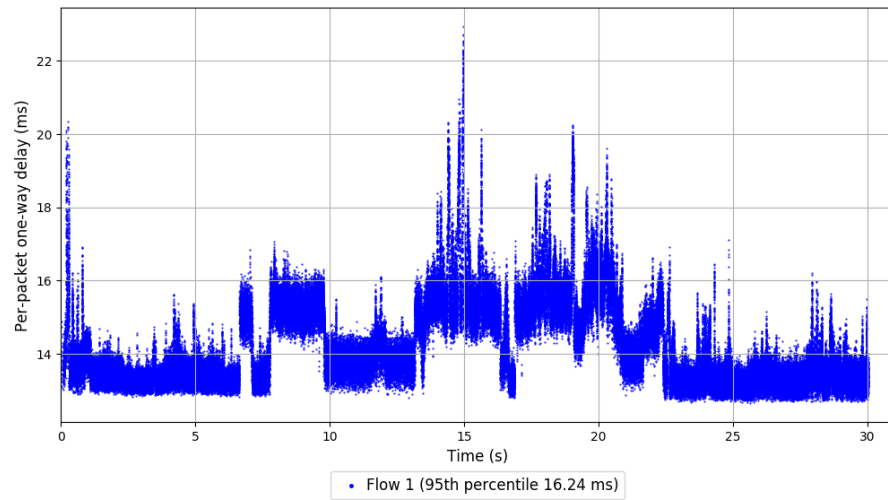
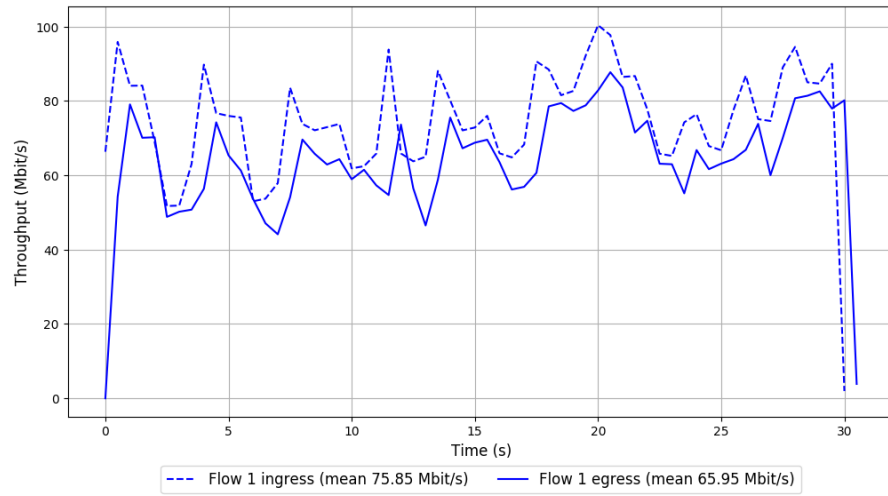
-- Flow 1:

Average throughput: 65.95 Mbit/s

95th percentile per-packet one-way delay: 16.242 ms

Loss rate: 13.06%

Run 8: Report of TCP BBR — Data Link



Run 9: Statistics of TCP BBR

Start at: 2018-05-24 06:08:26

End at: 2018-05-24 06:08:56

Local clock offset: -0.525 ms

Remote clock offset: 7.788 ms

Below is generated by plot.py at 2018-05-24 06:34:09

Datalink statistics

-- Total of 1 flow:

Average throughput: 67.93 Mbit/s

95th percentile per-packet one-way delay: 14.326 ms

Loss rate: 13.11%

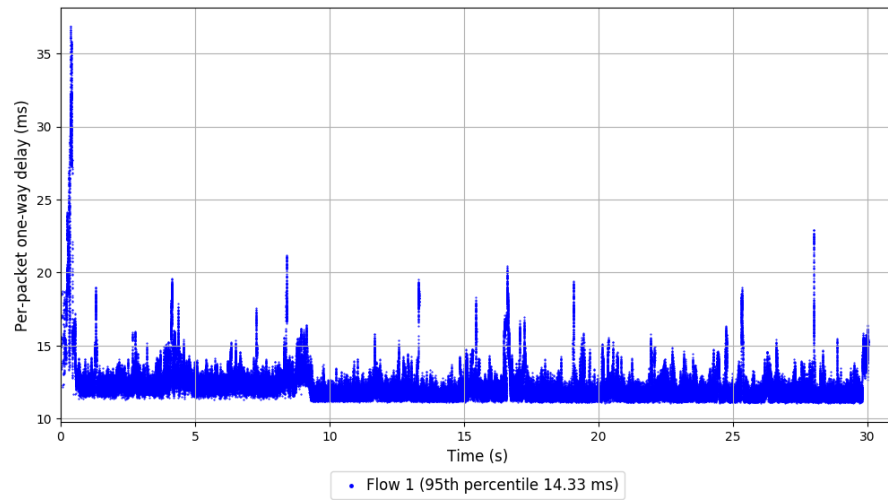
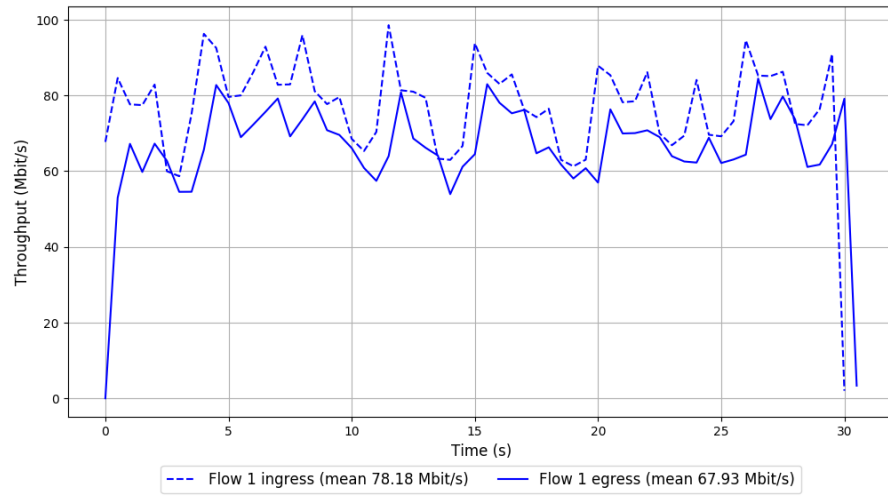
-- Flow 1:

Average throughput: 67.93 Mbit/s

95th percentile per-packet one-way delay: 14.326 ms

Loss rate: 13.11%

Run 9: Report of TCP BBR — Data Link



Run 10: Statistics of TCP BBR

Start at: 2018-05-24 06:26:45

End at: 2018-05-24 06:27:15

Local clock offset: -2.001 ms

Remote clock offset: 8.555 ms

Below is generated by plot.py at 2018-05-24 06:34:12

Datalink statistics

-- Total of 1 flow:

Average throughput: 71.21 Mbit/s

95th percentile per-packet one-way delay: 19.038 ms

Loss rate: 11.75%

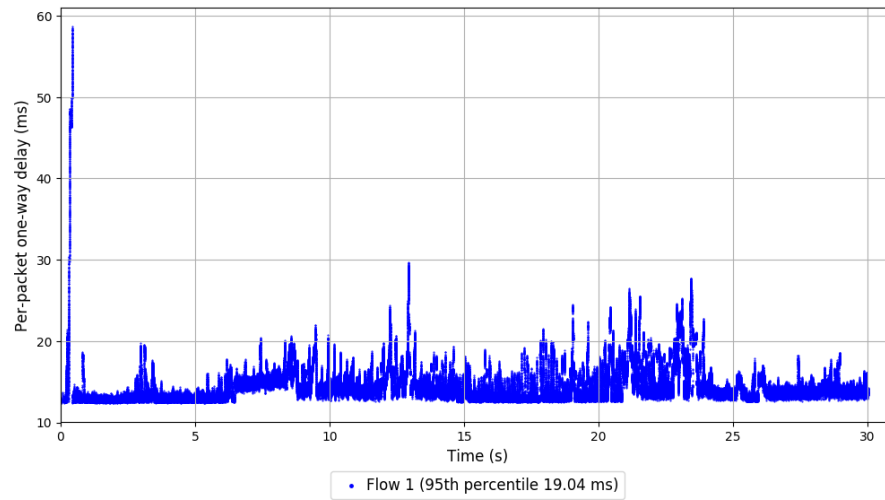
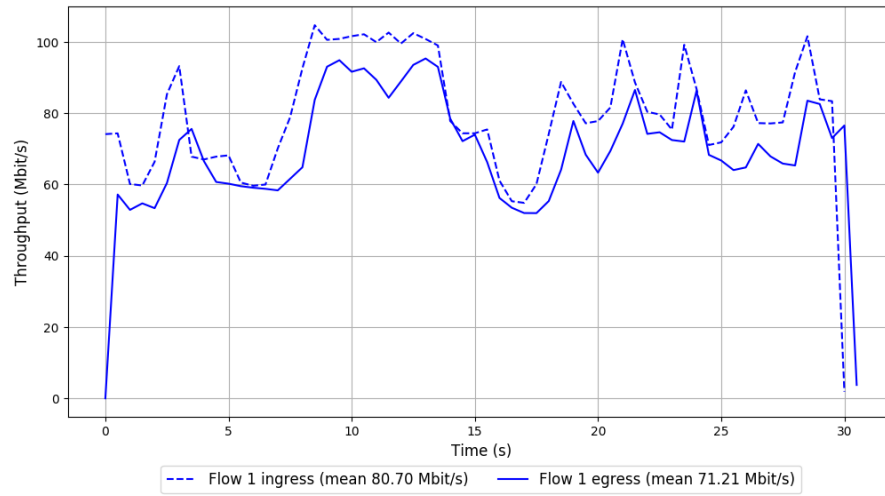
-- Flow 1:

Average throughput: 71.21 Mbit/s

95th percentile per-packet one-way delay: 19.038 ms

Loss rate: 11.75%

Run 10: Report of TCP BBR — Data Link

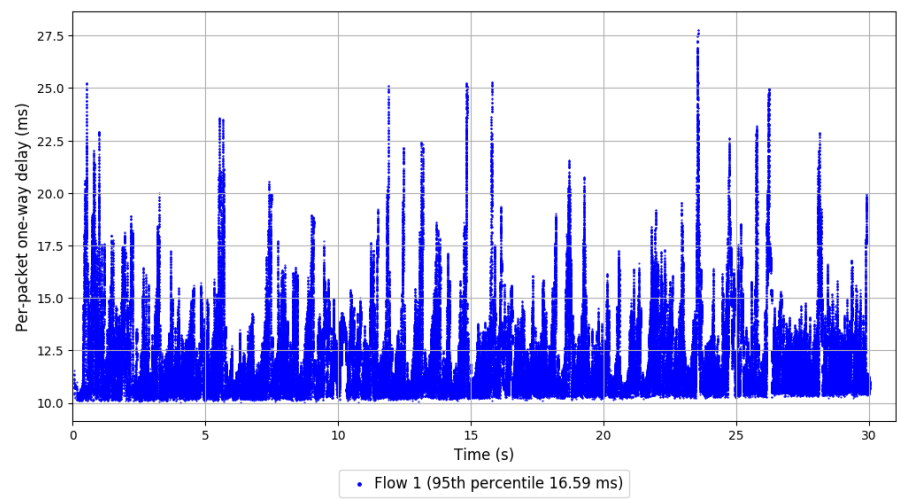
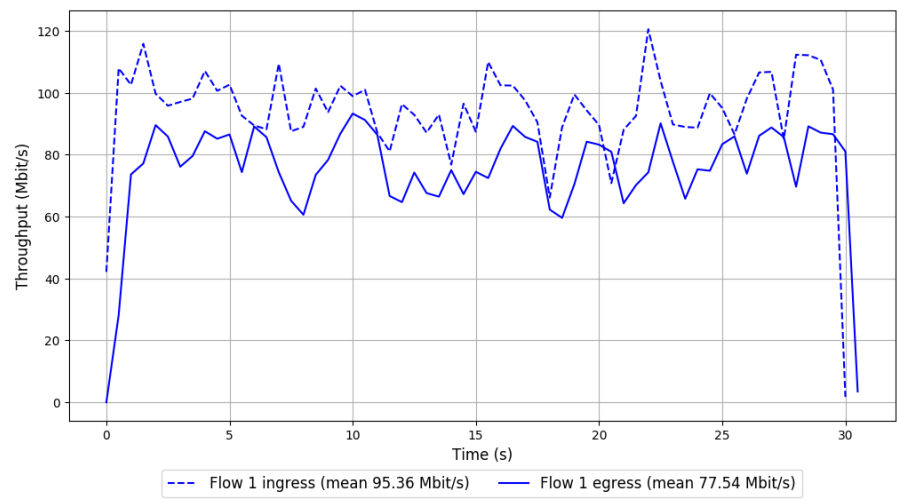


Run 1: Statistics of Copa

Start at: 2018-05-24 03:45:32
End at: 2018-05-24 03:46:02
Local clock offset: 2.55 ms
Remote clock offset: -17.028 ms

Below is generated by plot.py at 2018-05-24 06:35:19
Datalink statistics
-- Total of 1 flow:
Average throughput: 77.54 Mbit/s
95th percentile per-packet one-way delay: 16.585 ms
Loss rate: 18.69%
-- Flow 1:
Average throughput: 77.54 Mbit/s
95th percentile per-packet one-way delay: 16.585 ms
Loss rate: 18.69%

Run 1: Report of Copa — Data Link

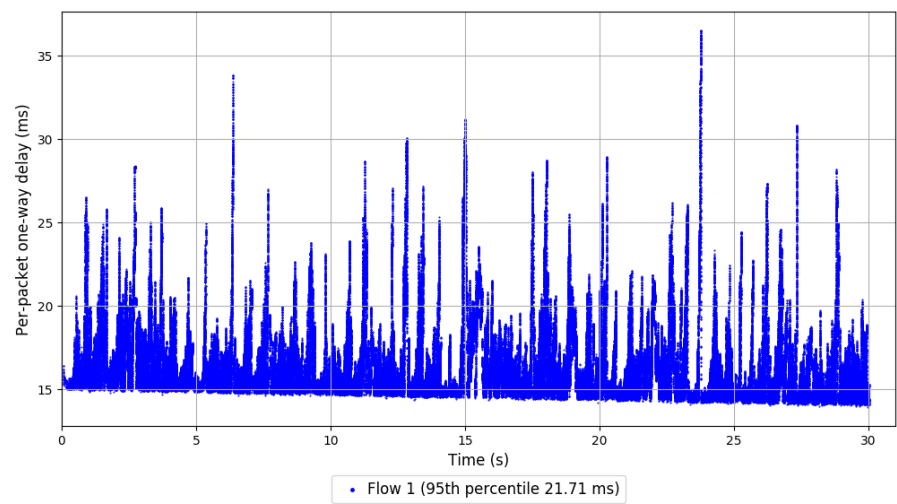
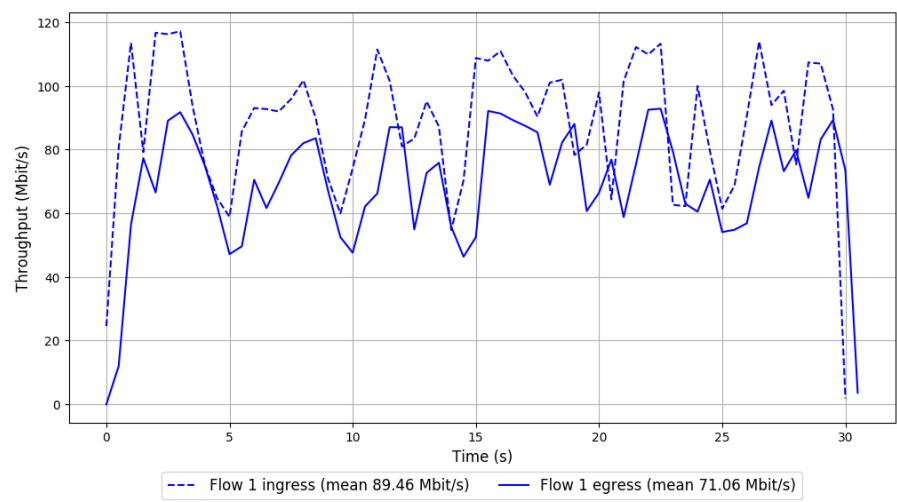


Run 2: Statistics of Copa

Start at: 2018-05-24 04:04:00
End at: 2018-05-24 04:04:30
Local clock offset: -0.879 ms
Remote clock offset: -15.444 ms

Below is generated by plot.py at 2018-05-24 06:35:19
Datalink statistics
-- Total of 1 flow:
Average throughput: 71.06 Mbit/s
95th percentile per-packet one-way delay: 21.708 ms
Loss rate: 20.56%
-- Flow 1:
Average throughput: 71.06 Mbit/s
95th percentile per-packet one-way delay: 21.708 ms
Loss rate: 20.56%

Run 2: Report of Copa — Data Link



Run 3: Statistics of Copa

Start at: 2018-05-24 04:22:52

End at: 2018-05-24 04:23:22

Local clock offset: -1.441 ms

Remote clock offset: -1.58 ms

Below is generated by plot.py at 2018-05-24 06:35:19

Datalink statistics

-- Total of 1 flow:

Average throughput: 75.54 Mbit/s

95th percentile per-packet one-way delay: 21.925 ms

Loss rate: 12.81%

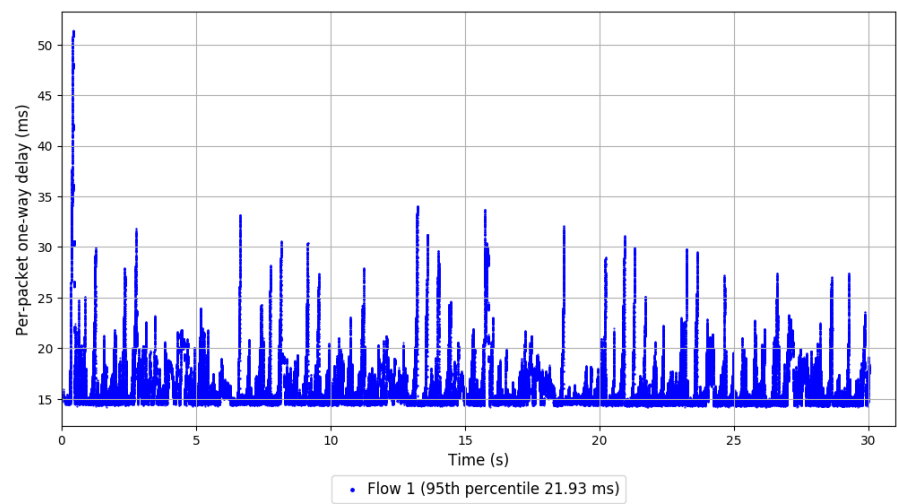
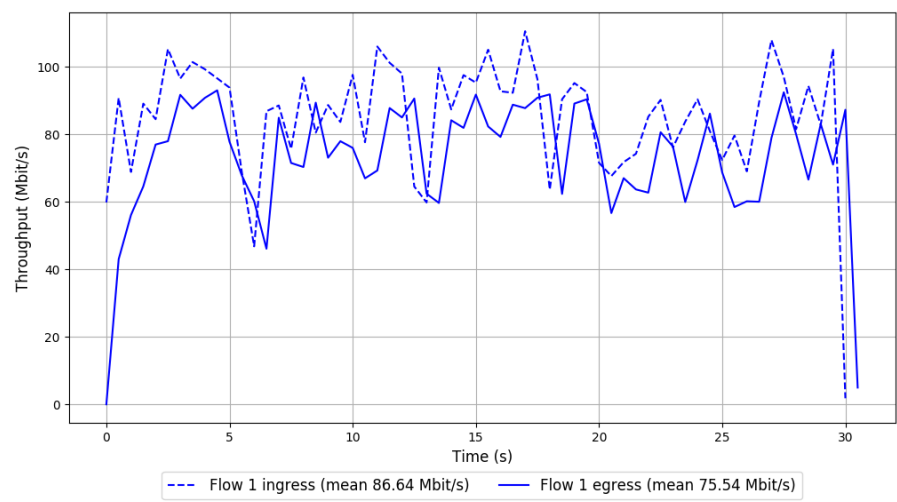
-- Flow 1:

Average throughput: 75.54 Mbit/s

95th percentile per-packet one-way delay: 21.925 ms

Loss rate: 12.81%

Run 3: Report of Copa — Data Link



Run 4: Statistics of Copa

Start at: 2018-05-24 04:40:51

End at: 2018-05-24 04:41:21

Local clock offset: 3.122 ms

Remote clock offset: 0.865 ms

Below is generated by plot.py at 2018-05-24 06:35:19

Datalink statistics

-- Total of 1 flow:

Average throughput: 70.31 Mbit/s

95th percentile per-packet one-way delay: 14.929 ms

Loss rate: 10.02%

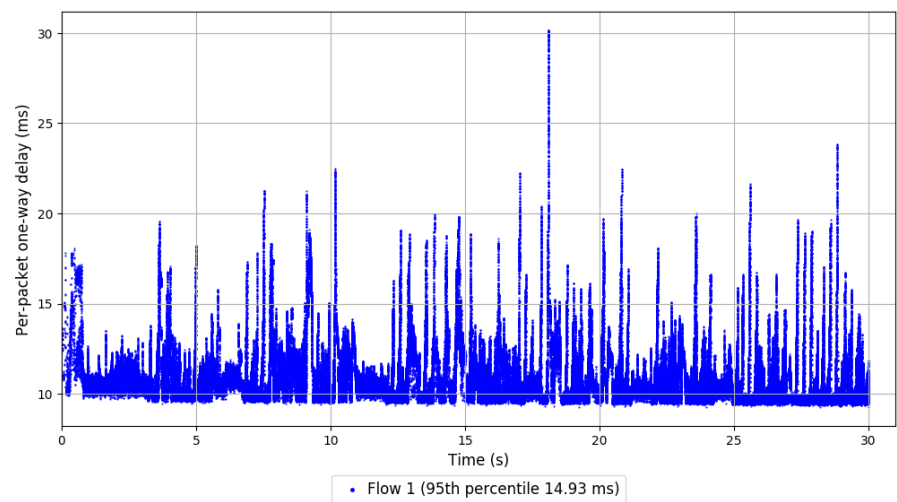
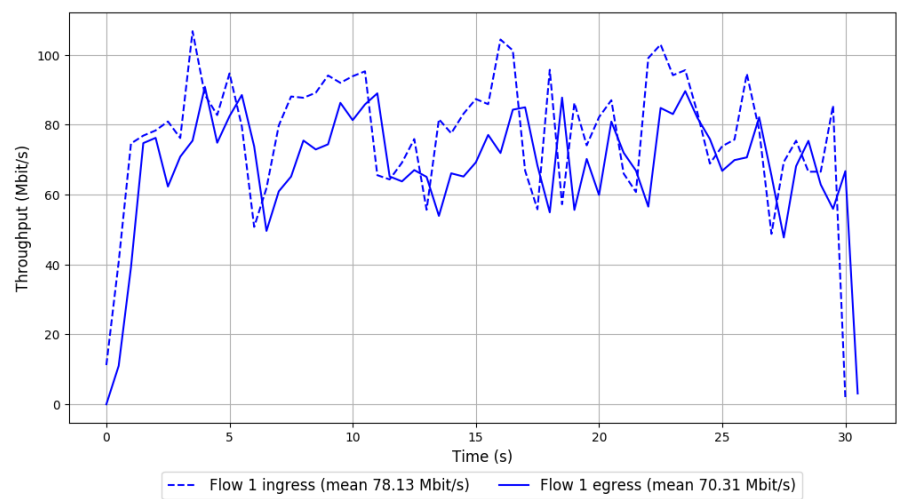
-- Flow 1:

Average throughput: 70.31 Mbit/s

95th percentile per-packet one-way delay: 14.929 ms

Loss rate: 10.02%

Run 4: Report of Copa — Data Link



Run 5: Statistics of Copa

Start at: 2018-05-24 04:59:10

End at: 2018-05-24 04:59:40

Local clock offset: 1.239 ms

Remote clock offset: 6.014 ms

Below is generated by plot.py at 2018-05-24 06:35:27

Datalink statistics

-- Total of 1 flow:

Average throughput: 80.41 Mbit/s

95th percentile per-packet one-way delay: 17.584 ms

Loss rate: 11.72%

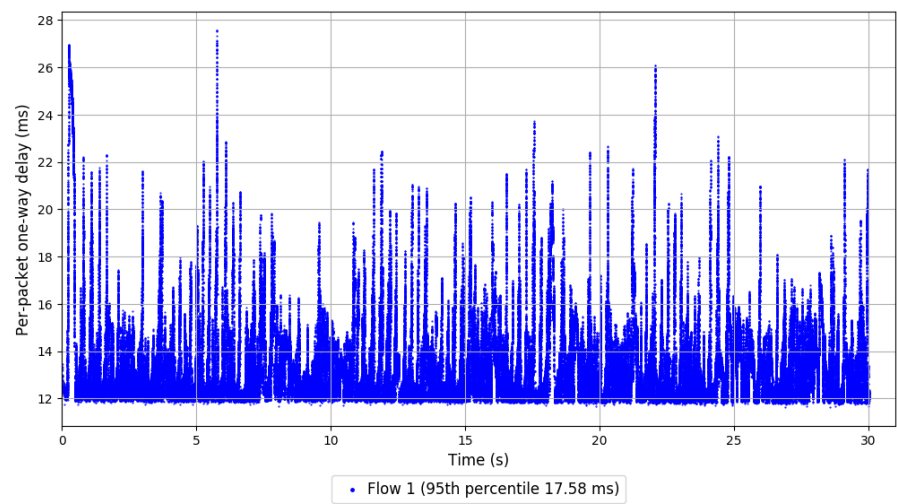
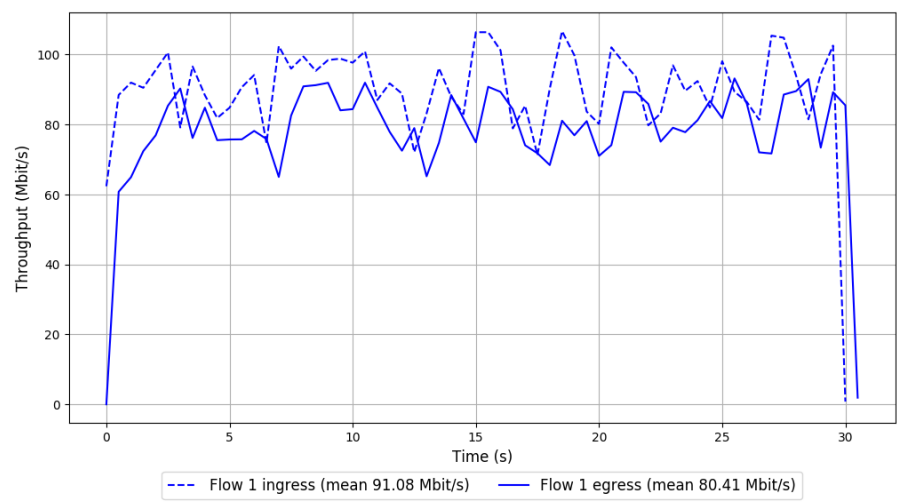
-- Flow 1:

Average throughput: 80.41 Mbit/s

95th percentile per-packet one-way delay: 17.584 ms

Loss rate: 11.72%

Run 5: Report of Copa — Data Link



Run 6: Statistics of Copa

Start at: 2018-05-24 05:17:23

End at: 2018-05-24 05:17:53

Local clock offset: 3.548 ms

Remote clock offset: 1.989 ms

Below is generated by plot.py at 2018-05-24 06:35:27

Datalink statistics

-- Total of 1 flow:

Average throughput: 71.94 Mbit/s

95th percentile per-packet one-way delay: 12.670 ms

Loss rate: 13.60%

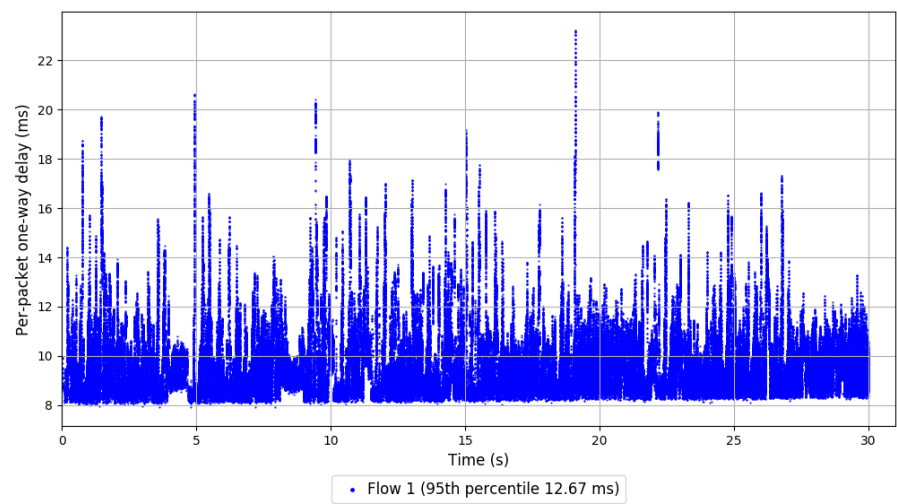
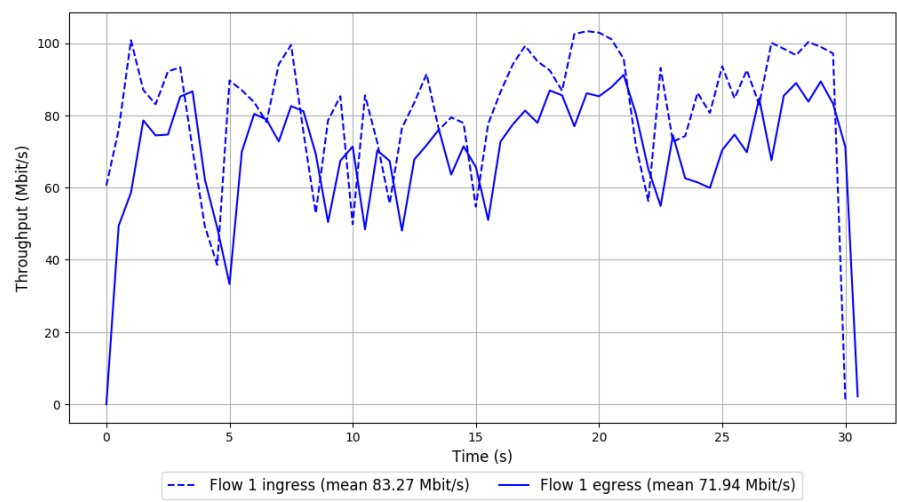
-- Flow 1:

Average throughput: 71.94 Mbit/s

95th percentile per-packet one-way delay: 12.670 ms

Loss rate: 13.60%

Run 6: Report of Copa — Data Link

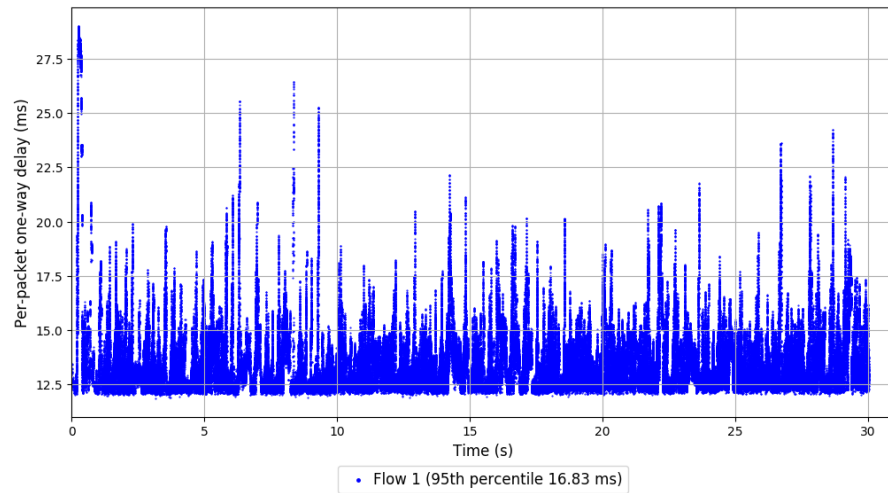
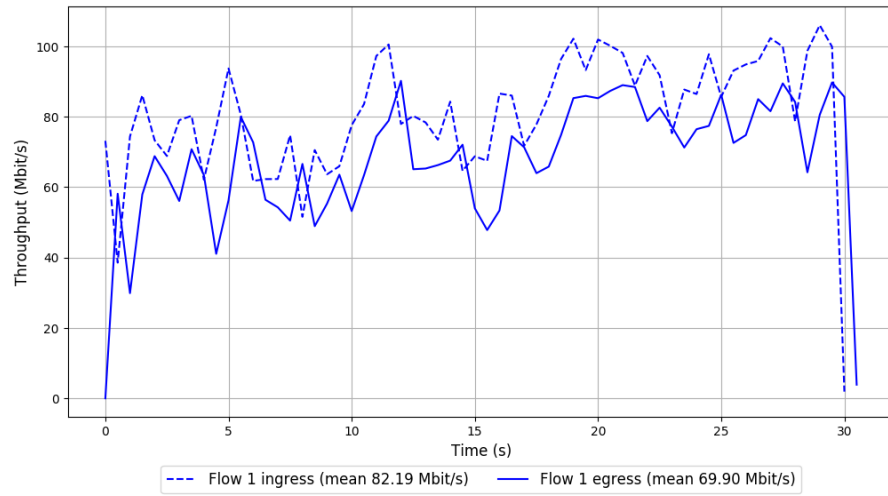


Run 7: Statistics of Copa

Start at: 2018-05-24 05:35:45
End at: 2018-05-24 05:36:15
Local clock offset: 1.402 ms
Remote clock offset: -0.851 ms

Below is generated by plot.py at 2018-05-24 06:36:05
Datalink statistics
-- Total of 1 flow:
Average throughput: 69.90 Mbit/s
95th percentile per-packet one-way delay: 16.831 ms
Loss rate: 14.95%
-- Flow 1:
Average throughput: 69.90 Mbit/s
95th percentile per-packet one-way delay: 16.831 ms
Loss rate: 14.95%

Run 7: Report of Copa — Data Link

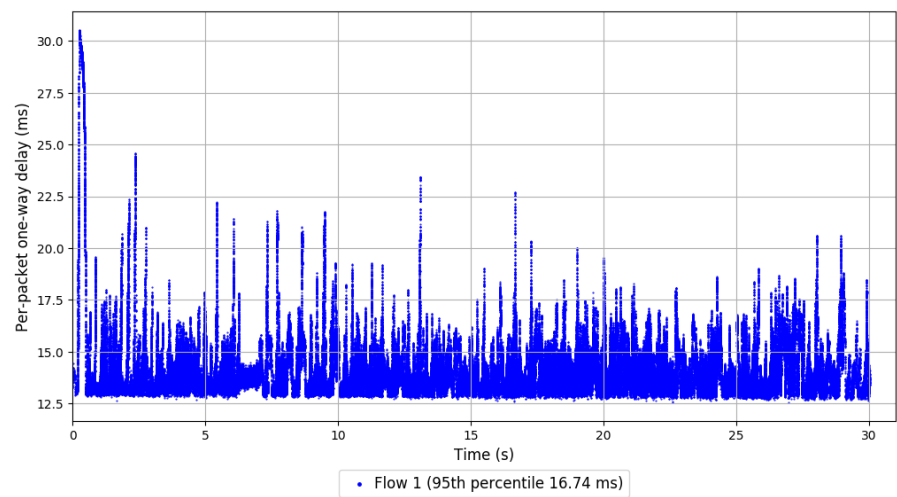
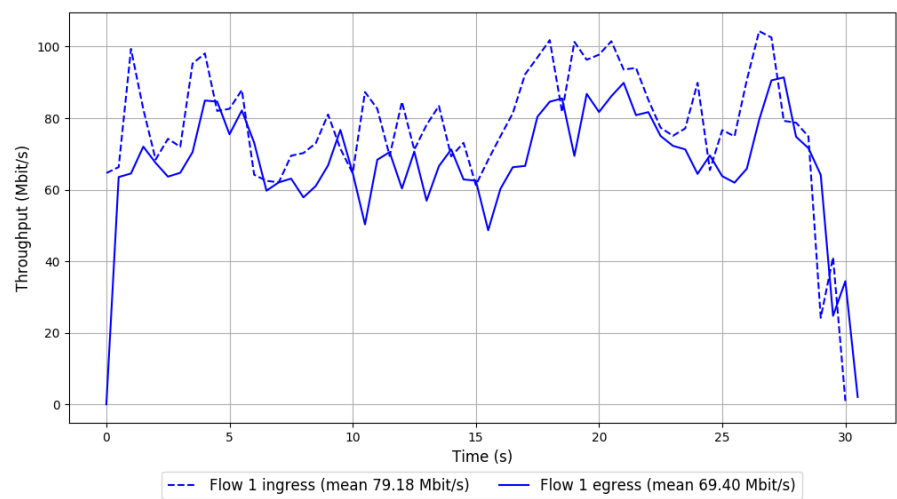


Run 8: Statistics of Copa

Start at: 2018-05-24 05:53:53
End at: 2018-05-24 05:54:23
Local clock offset: 1.401 ms
Remote clock offset: 5.16 ms

Below is generated by plot.py at 2018-05-24 06:36:07
Datalink statistics
-- Total of 1 flow:
Average throughput: 69.40 Mbit/s
95th percentile per-packet one-way delay: 16.739 ms
Loss rate: 12.35%
-- Flow 1:
Average throughput: 69.40 Mbit/s
95th percentile per-packet one-way delay: 16.739 ms
Loss rate: 12.35%

Run 8: Report of Copa — Data Link



Run 9: Statistics of Copa

Start at: 2018-05-24 06:11:46

End at: 2018-05-24 06:12:16

Local clock offset: -3.309 ms

Remote clock offset: 5.853 ms

Below is generated by plot.py at 2018-05-24 06:37:01

Datalink statistics

-- Total of 1 flow:

Average throughput: 70.18 Mbit/s

95th percentile per-packet one-way delay: 20.901 ms

Loss rate: 15.53%

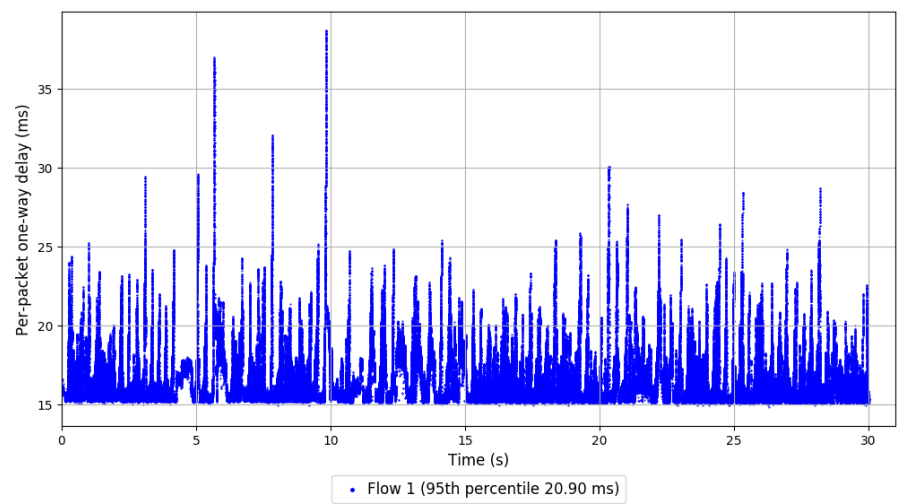
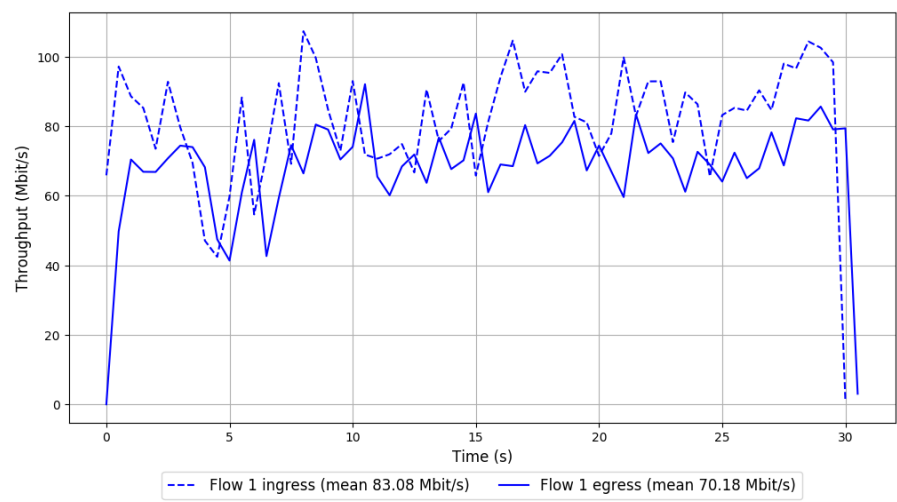
-- Flow 1:

Average throughput: 70.18 Mbit/s

95th percentile per-packet one-way delay: 20.901 ms

Loss rate: 15.53%

Run 9: Report of Copa — Data Link



Run 10: Statistics of Copa

Start at: 2018-05-24 06:30:06

End at: 2018-05-24 06:30:36

Local clock offset: -2.238 ms

Remote clock offset: 8.452 ms

Below is generated by plot.py at 2018-05-24 06:37:01

Datalink statistics

-- Total of 1 flow:

Average throughput: 66.76 Mbit/s

95th percentile per-packet one-way delay: 17.700 ms

Loss rate: 15.46%

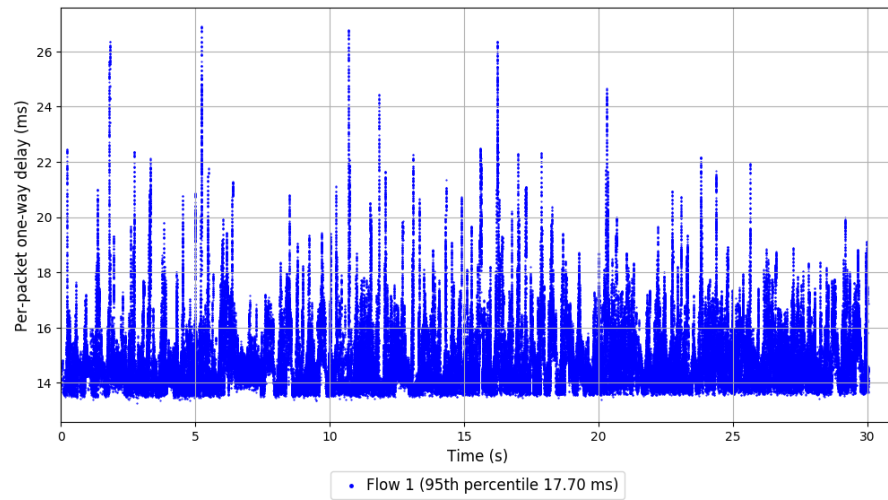
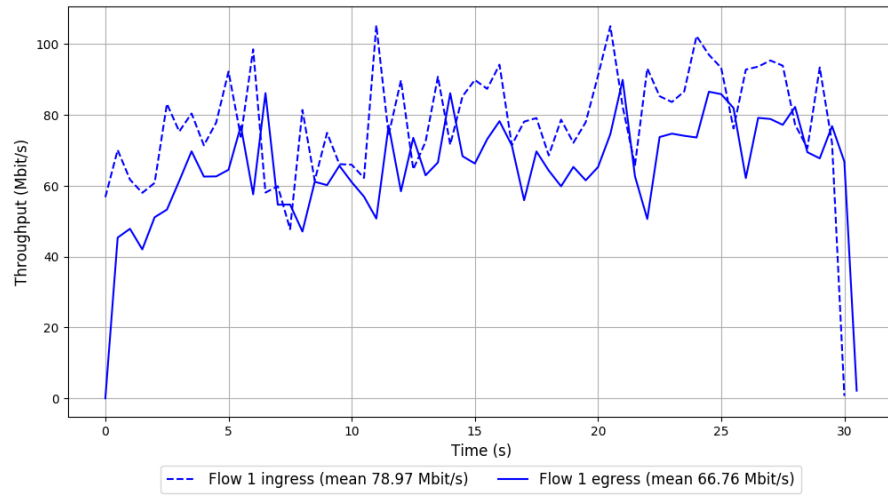
-- Flow 1:

Average throughput: 66.76 Mbit/s

95th percentile per-packet one-way delay: 17.700 ms

Loss rate: 15.46%

Run 10: Report of Copa — Data Link

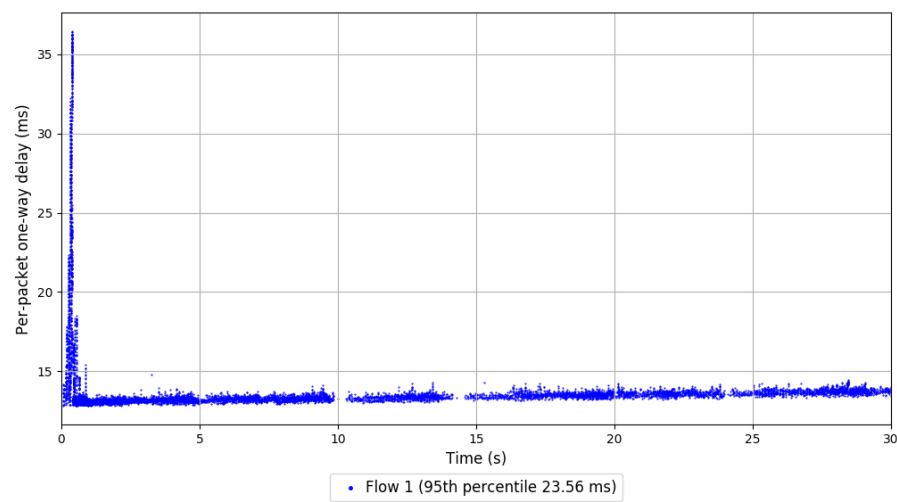
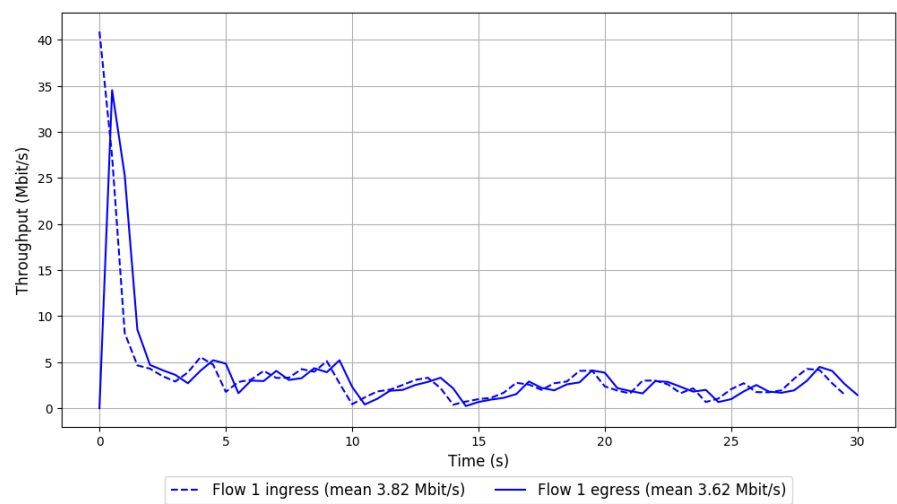


Run 1: Statistics of TCP Cubic

Start at: 2018-05-24 03:30:23
End at: 2018-05-24 03:30:53
Local clock offset: 1.941 ms
Remote clock offset: -3.199 ms

Below is generated by plot.py at 2018-05-24 06:37:01
Datalink statistics
-- Total of 1 flow:
Average throughput: 3.62 Mbit/s
95th percentile per-packet one-way delay: 23.561 ms
Loss rate: 5.13%
-- Flow 1:
Average throughput: 3.62 Mbit/s
95th percentile per-packet one-way delay: 23.561 ms
Loss rate: 5.13%

Run 1: Report of TCP Cubic — Data Link

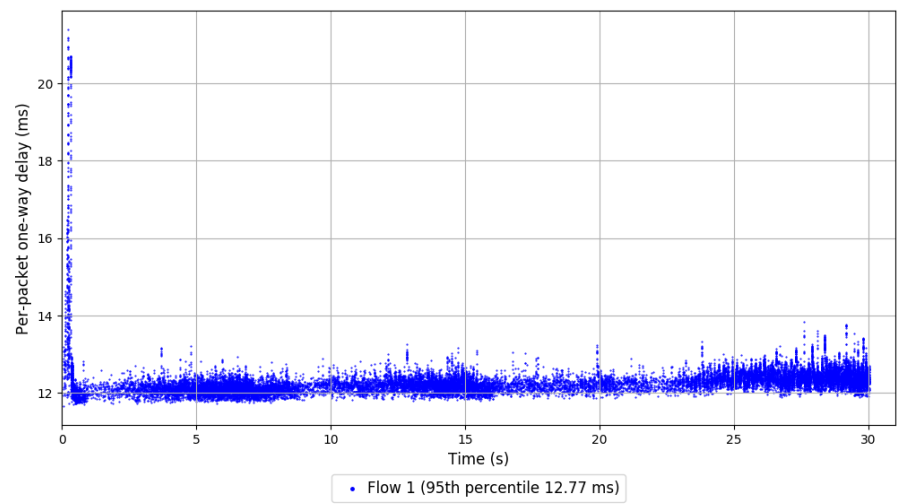
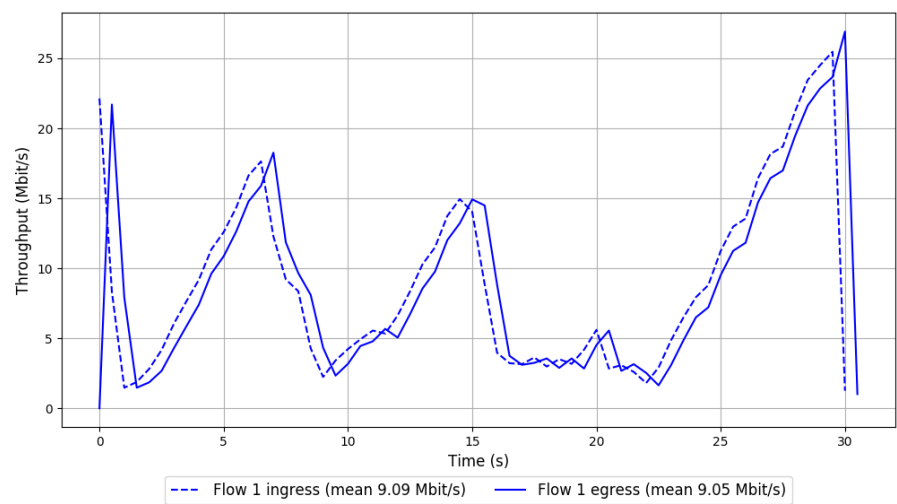


Run 2: Statistics of TCP Cubic

Start at: 2018-05-24 03:49:03
End at: 2018-05-24 03:49:33
Local clock offset: 4.102 ms
Remote clock offset: -15.474 ms

Below is generated by plot.py at 2018-05-24 06:37:01
Datalink statistics
-- Total of 1 flow:
Average throughput: 9.05 Mbit/s
95th percentile per-packet one-way delay: 12.774 ms
Loss rate: 0.38%
-- Flow 1:
Average throughput: 9.05 Mbit/s
95th percentile per-packet one-way delay: 12.774 ms
Loss rate: 0.38%

Run 2: Report of TCP Cubic — Data Link

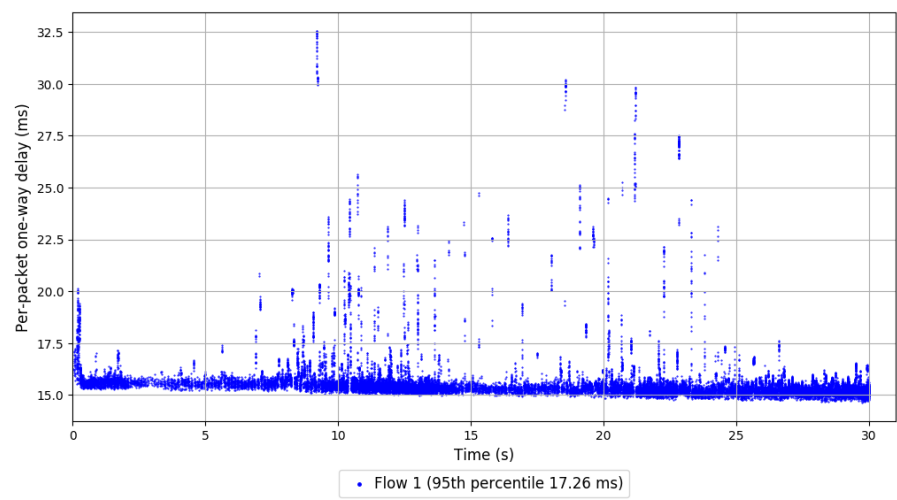
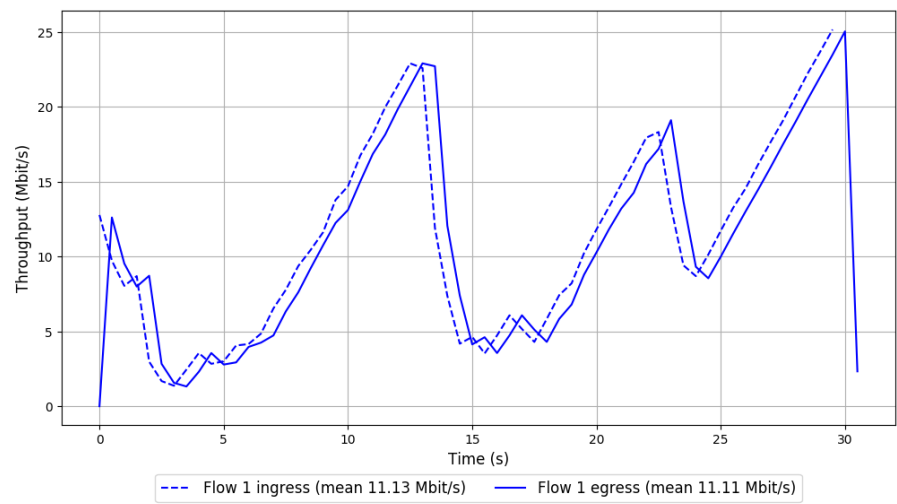


Run 3: Statistics of TCP Cubic

Start at: 2018-05-24 04:07:26
End at: 2018-05-24 04:07:56
Local clock offset: -2.417 ms
Remote clock offset: -10.053 ms

Below is generated by plot.py at 2018-05-24 06:37:01
Datalink statistics
-- Total of 1 flow:
Average throughput: 11.11 Mbit/s
95th percentile per-packet one-way delay: 17.257 ms
Loss rate: 0.15%
-- Flow 1:
Average throughput: 11.11 Mbit/s
95th percentile per-packet one-way delay: 17.257 ms
Loss rate: 0.15%

Run 3: Report of TCP Cubic — Data Link

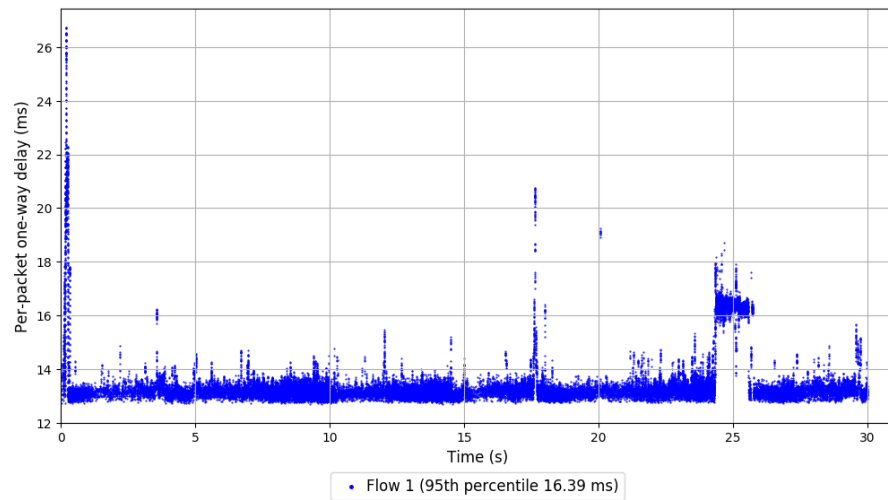
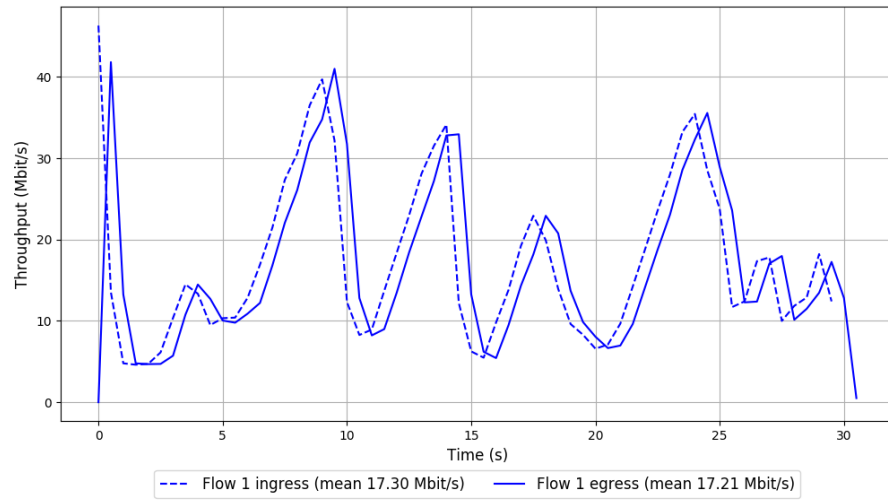


Run 4: Statistics of TCP Cubic

Start at: 2018-05-24 04:26:18
End at: 2018-05-24 04:26:48
Local clock offset: -1.665 ms
Remote clock offset: -2.198 ms

Below is generated by plot.py at 2018-05-24 06:37:01
Datalink statistics
-- Total of 1 flow:
Average throughput: 17.21 Mbit/s
95th percentile per-packet one-way delay: 16.385 ms
Loss rate: 0.55%
-- Flow 1:
Average throughput: 17.21 Mbit/s
95th percentile per-packet one-way delay: 16.385 ms
Loss rate: 0.55%

Run 4: Report of TCP Cubic — Data Link



Run 5: Statistics of TCP Cubic

Start at: 2018-05-24 04:44:18

End at: 2018-05-24 04:44:48

Local clock offset: -1.992 ms

Remote clock offset: 3.928 ms

Below is generated by plot.py at 2018-05-24 06:37:01

Datalink statistics

-- Total of 1 flow:

Average throughput: 20.08 Mbit/s

95th percentile per-packet one-way delay: 21.280 ms

Loss rate: 0.24%

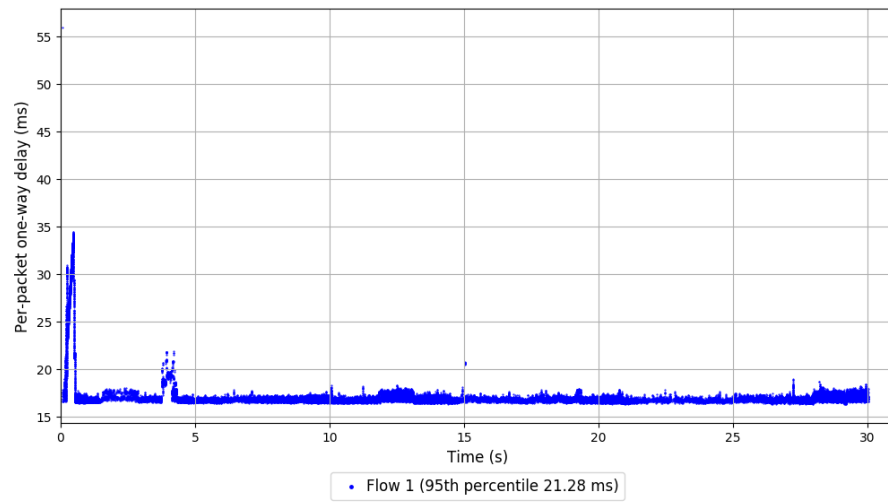
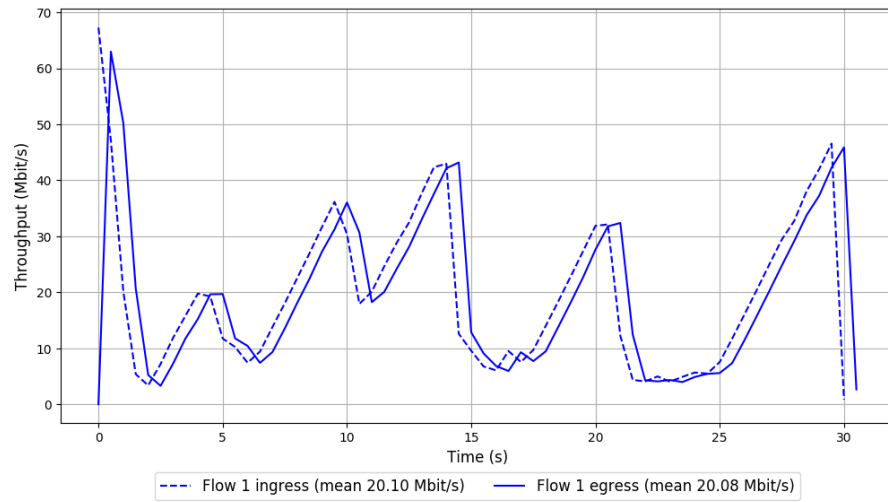
-- Flow 1:

Average throughput: 20.08 Mbit/s

95th percentile per-packet one-way delay: 21.280 ms

Loss rate: 0.24%

Run 5: Report of TCP Cubic — Data Link



Run 6: Statistics of TCP Cubic

Start at: 2018-05-24 05:02:40

End at: 2018-05-24 05:03:10

Local clock offset: -0.836 ms

Remote clock offset: 6.197 ms

Below is generated by plot.py at 2018-05-24 06:37:01

Datalink statistics

-- Total of 1 flow:

Average throughput: 8.97 Mbit/s

95th percentile per-packet one-way delay: 14.199 ms

Loss rate: 0.58%

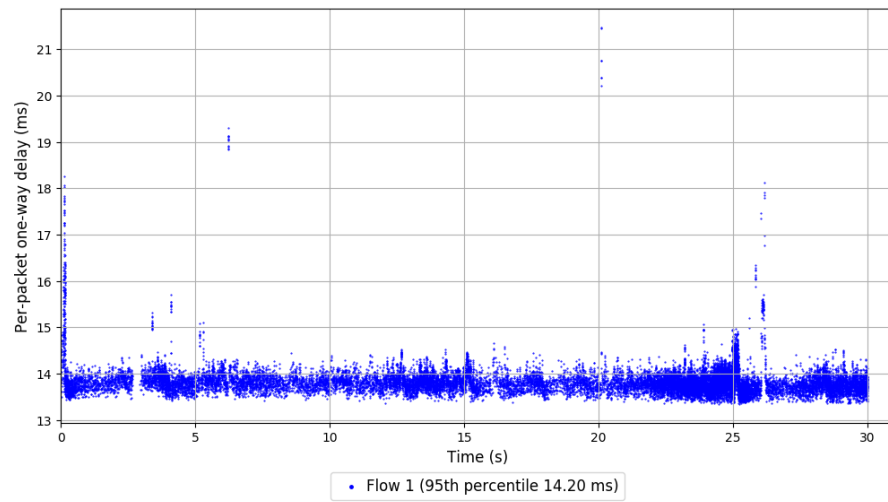
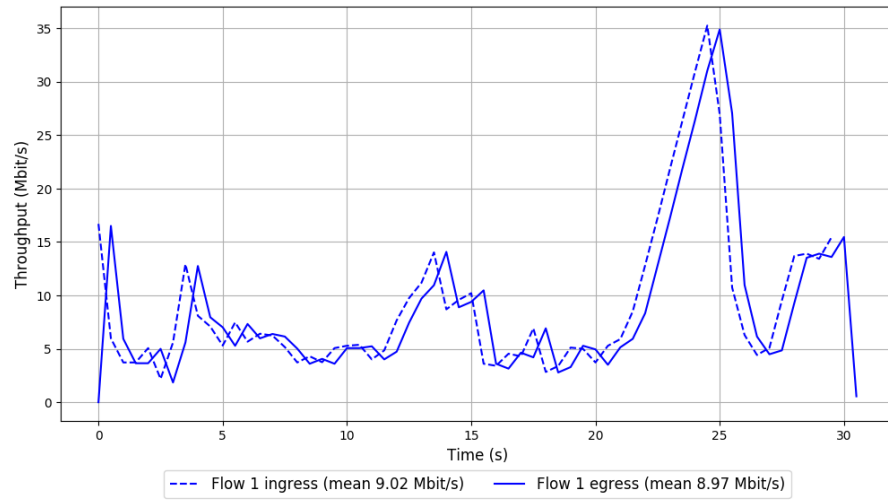
-- Flow 1:

Average throughput: 8.97 Mbit/s

95th percentile per-packet one-way delay: 14.199 ms

Loss rate: 0.58%

Run 6: Report of TCP Cubic — Data Link



Run 7: Statistics of TCP Cubic

Start at: 2018-05-24 05:20:45

End at: 2018-05-24 05:21:15

Local clock offset: -0.272 ms

Remote clock offset: 1.74 ms

Below is generated by plot.py at 2018-05-24 06:37:01

Datalink statistics

-- Total of 1 flow:

Average throughput: 3.05 Mbit/s

95th percentile per-packet one-way delay: 16.310 ms

Loss rate: 7.20%

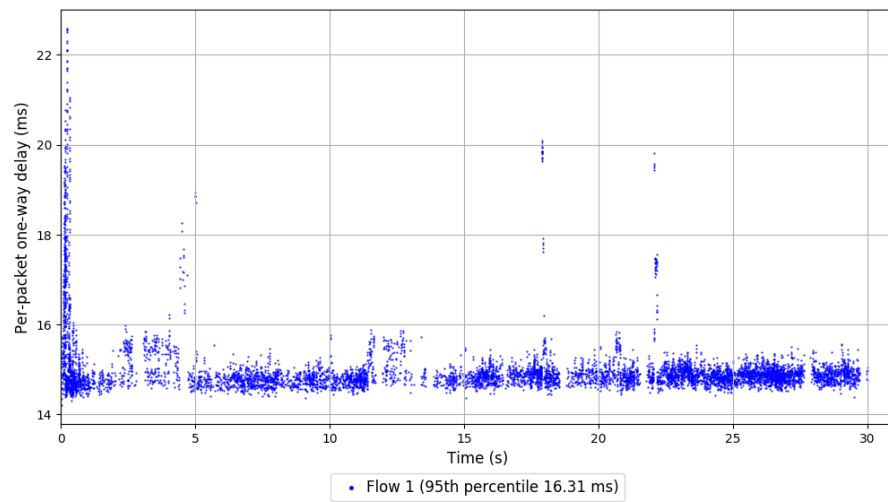
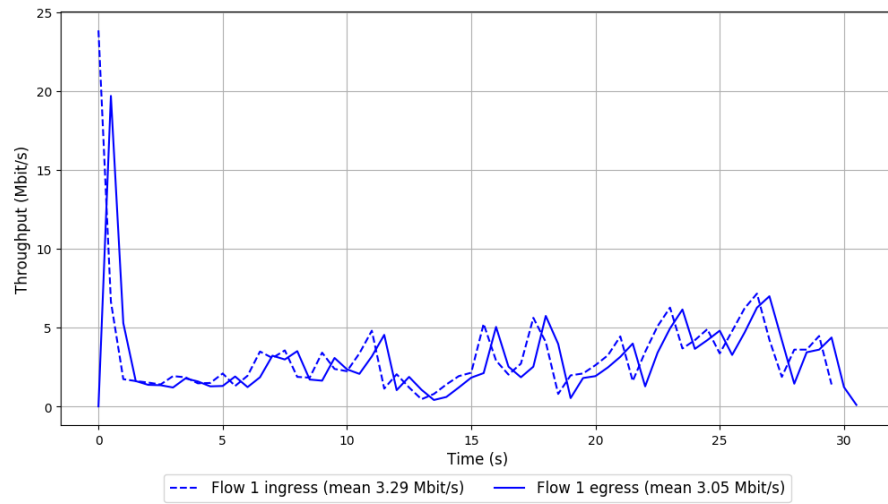
-- Flow 1:

Average throughput: 3.05 Mbit/s

95th percentile per-packet one-way delay: 16.310 ms

Loss rate: 7.20%

Run 7: Report of TCP Cubic — Data Link

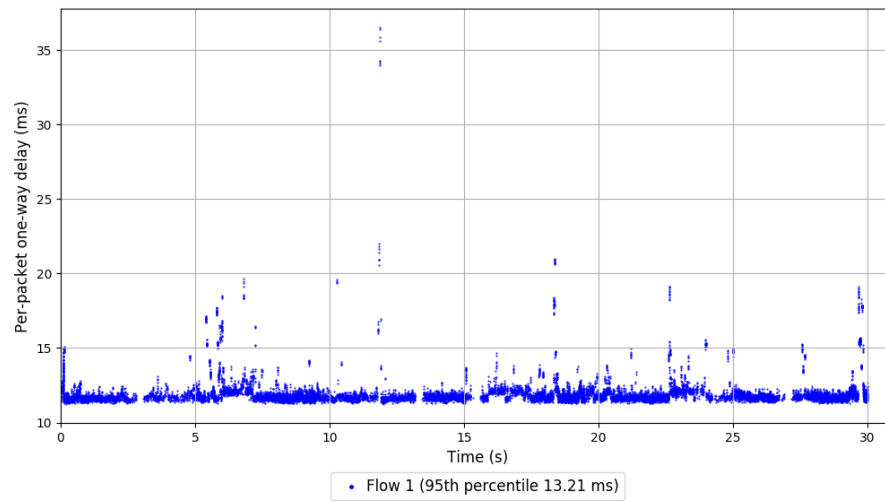
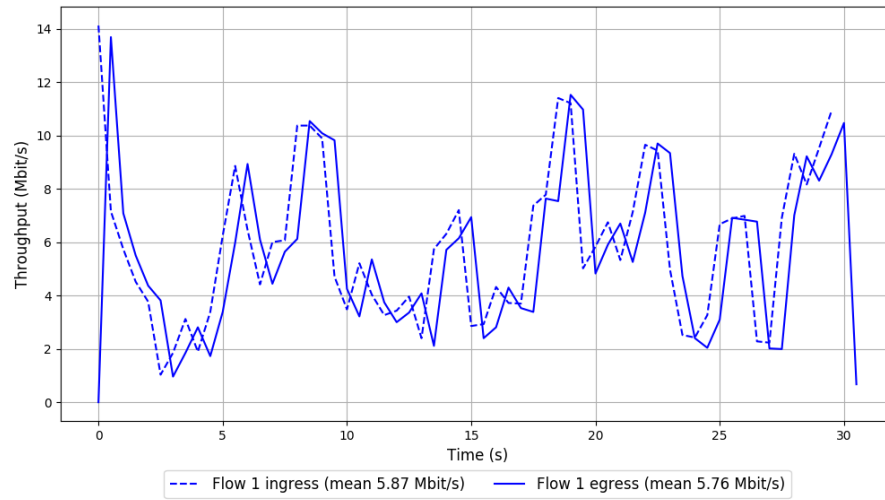


Run 8: Statistics of TCP Cubic

Start at: 2018-05-24 05:39:16
End at: 2018-05-24 05:39:46
Local clock offset: 1.299 ms
Remote clock offset: -2.143 ms

Below is generated by plot.py at 2018-05-24 06:37:01
Datalink statistics
-- Total of 1 flow:
Average throughput: 5.76 Mbit/s
95th percentile per-packet one-way delay: 13.207 ms
Loss rate: 2.01%
-- Flow 1:
Average throughput: 5.76 Mbit/s
95th percentile per-packet one-way delay: 13.207 ms
Loss rate: 2.01%

Run 8: Report of TCP Cubic — Data Link



Run 9: Statistics of TCP Cubic

Start at: 2018-05-24 05:57:14

End at: 2018-05-24 05:57:44

Local clock offset: 1.173 ms

Remote clock offset: 4.558 ms

Below is generated by plot.py at 2018-05-24 06:37:01

Datalink statistics

-- Total of 1 flow:

Average throughput: 8.35 Mbit/s

95th percentile per-packet one-way delay: 12.485 ms

Loss rate: 0.88%

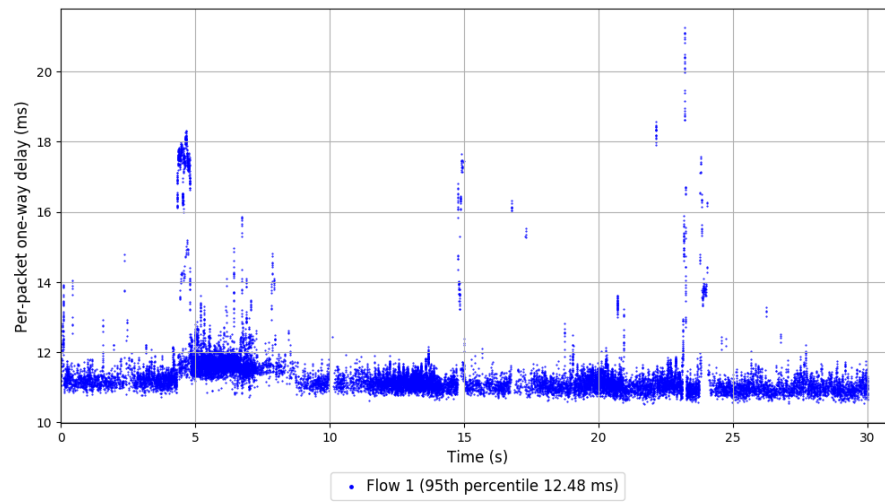
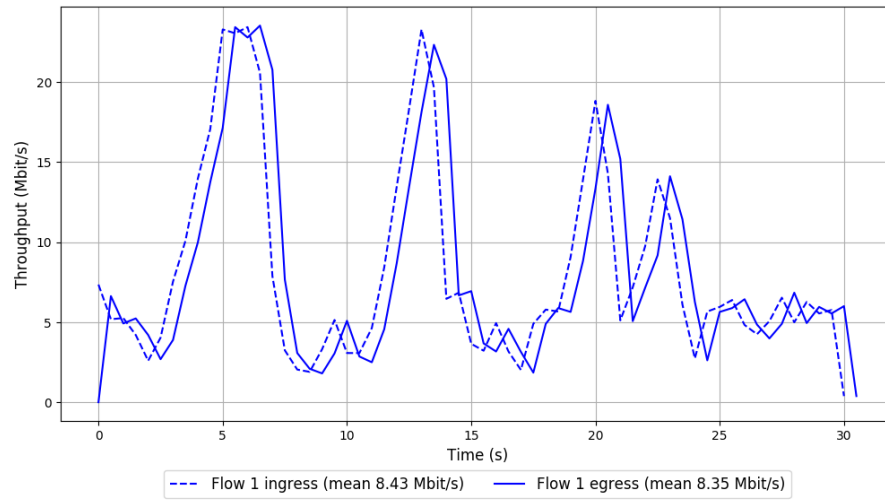
-- Flow 1:

Average throughput: 8.35 Mbit/s

95th percentile per-packet one-way delay: 12.485 ms

Loss rate: 0.88%

Run 9: Report of TCP Cubic — Data Link



Run 10: Statistics of TCP Cubic

Start at: 2018-05-24 06:15:08

End at: 2018-05-24 06:15:38

Local clock offset: -2.614 ms

Remote clock offset: 7.629 ms

Below is generated by plot.py at 2018-05-24 06:37:01

Datalink statistics

-- Total of 1 flow:

Average throughput: 3.62 Mbit/s

95th percentile per-packet one-way delay: 16.438 ms

Loss rate: 3.01%

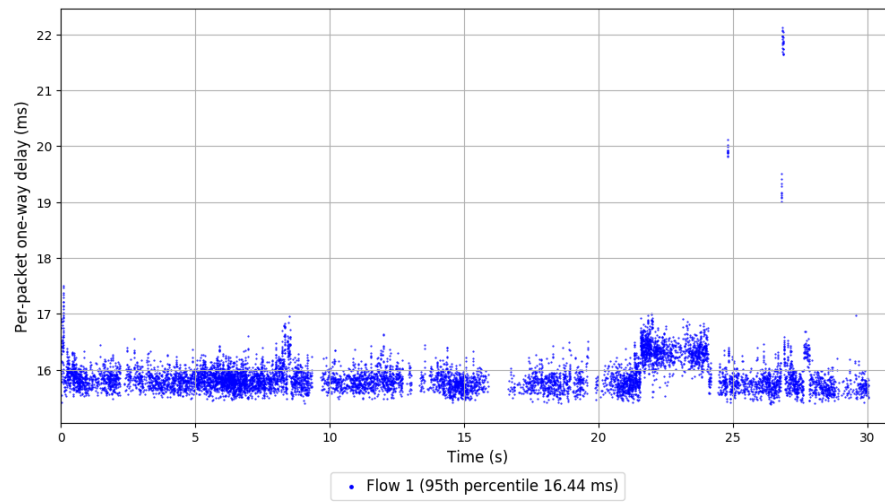
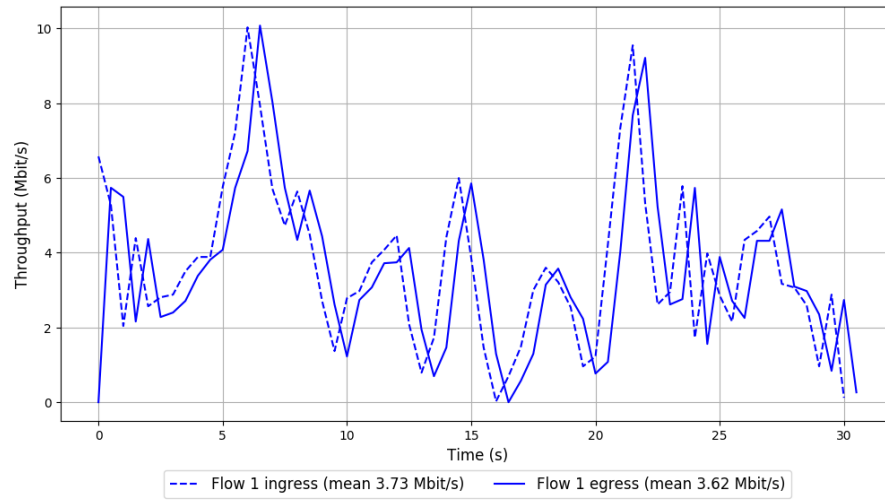
-- Flow 1:

Average throughput: 3.62 Mbit/s

95th percentile per-packet one-way delay: 16.438 ms

Loss rate: 3.01%

Run 10: Report of TCP Cubic — Data Link

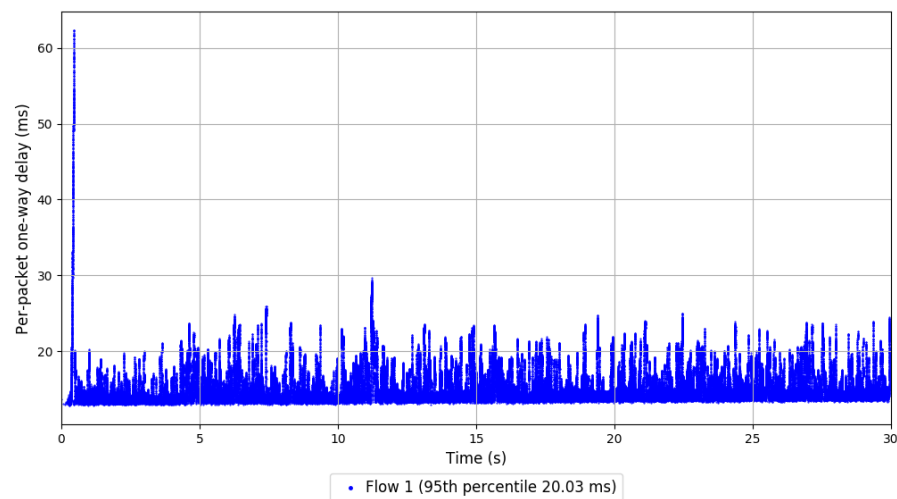
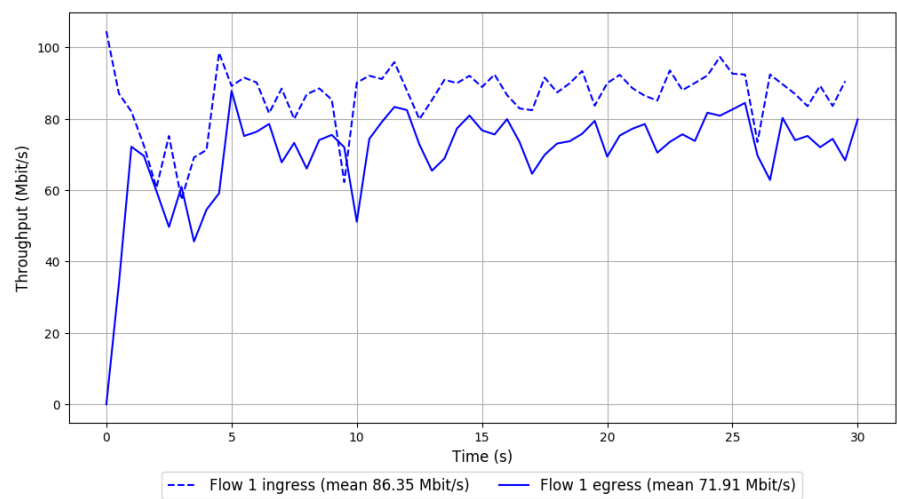


Run 1: Statistics of FillP

Start at: 2018-05-24 03:32:47
End at: 2018-05-24 03:33:17
Local clock offset: 0.517 ms
Remote clock offset: -5.954 ms

Below is generated by plot.py at 2018-05-24 06:37:01
Datalink statistics
-- Total of 1 flow:
Average throughput: 71.91 Mbit/s
95th percentile per-packet one-way delay: 20.028 ms
Loss rate: 16.71%
-- Flow 1:
Average throughput: 71.91 Mbit/s
95th percentile per-packet one-way delay: 20.028 ms
Loss rate: 16.71%

Run 1: Report of FillP — Data Link

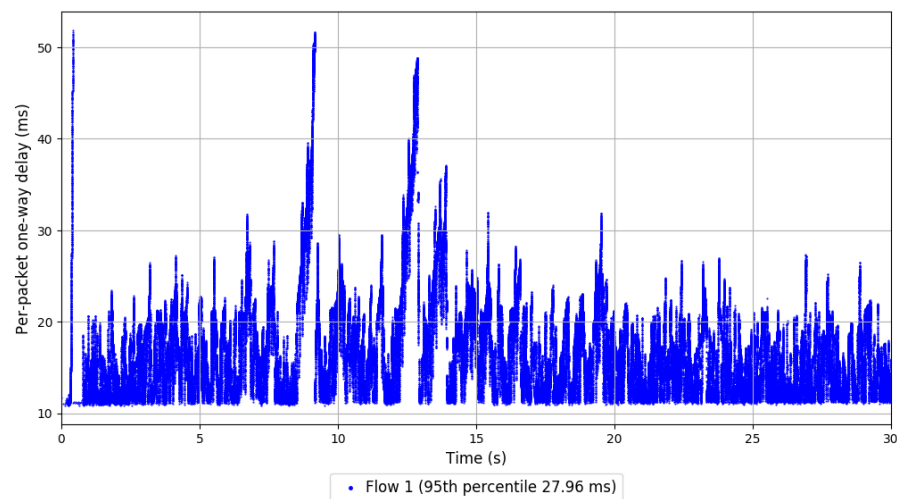
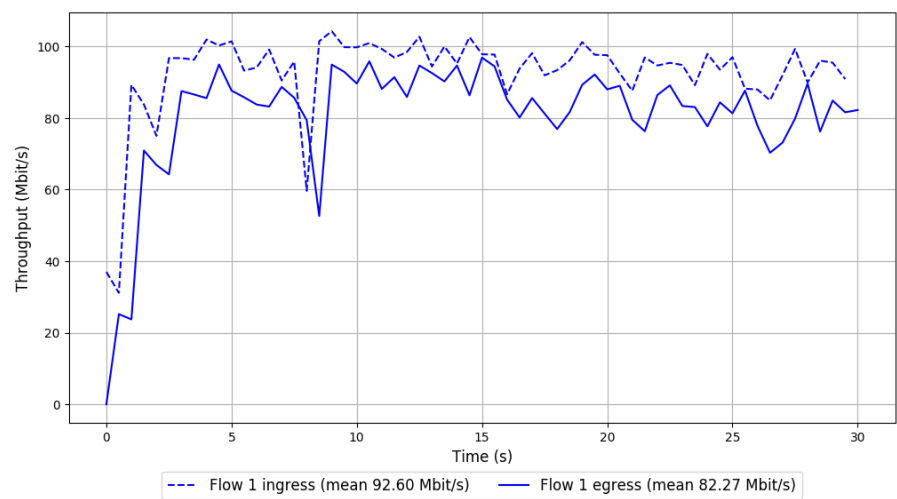


Run 2: Statistics of FillP

Start at: 2018-05-24 03:51:14
End at: 2018-05-24 03:51:44
Local clock offset: 2.686 ms
Remote clock offset: -18.345 ms

Below is generated by plot.py at 2018-05-24 06:37:04
Datalink statistics
-- Total of 1 flow:
Average throughput: 82.27 Mbit/s
95th percentile per-packet one-way delay: 27.961 ms
Loss rate: 11.16%
-- Flow 1:
Average throughput: 82.27 Mbit/s
95th percentile per-packet one-way delay: 27.961 ms
Loss rate: 11.16%

Run 2: Report of FillP — Data Link

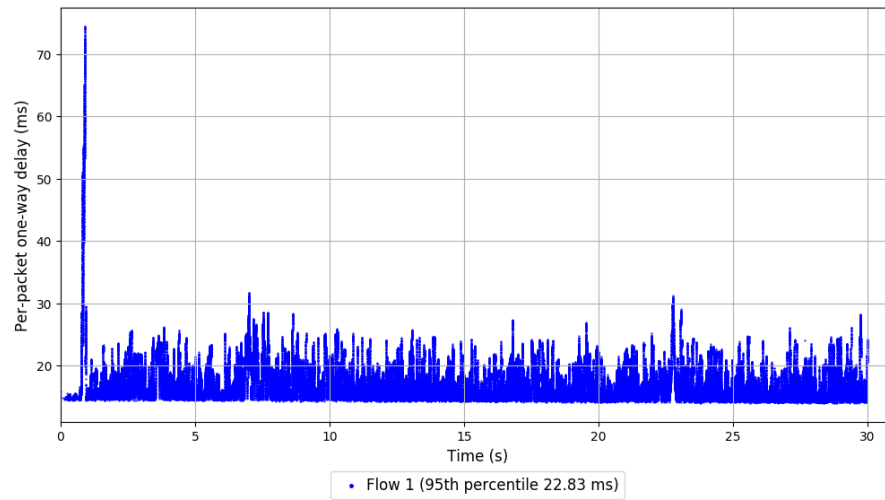
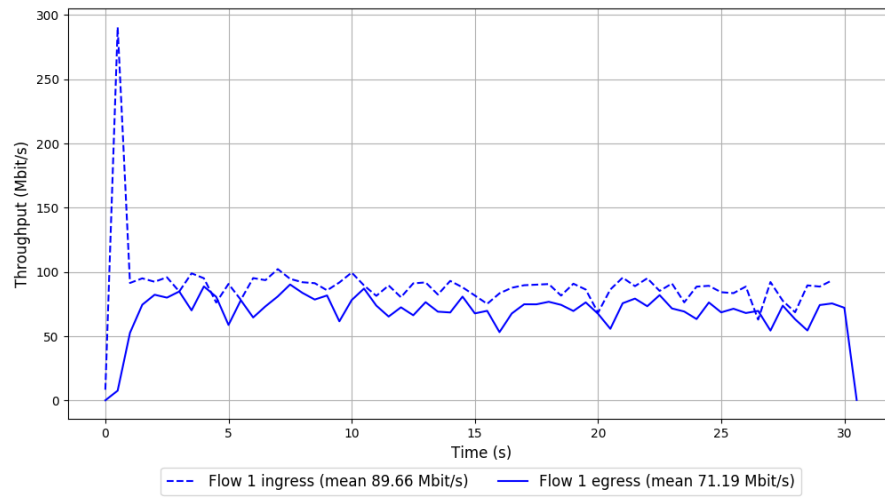


Run 3: Statistics of FillP

Start at: 2018-05-24 04:09:38
End at: 2018-05-24 04:10:08
Local clock offset: -1.688 ms
Remote clock offset: -8.611 ms

Below is generated by plot.py at 2018-05-24 06:37:04
Datalink statistics
-- Total of 1 flow:
Average throughput: 71.19 Mbit/s
95th percentile per-packet one-way delay: 22.827 ms
Loss rate: 20.59%
-- Flow 1:
Average throughput: 71.19 Mbit/s
95th percentile per-packet one-way delay: 22.827 ms
Loss rate: 20.59%

Run 3: Report of FillP — Data Link

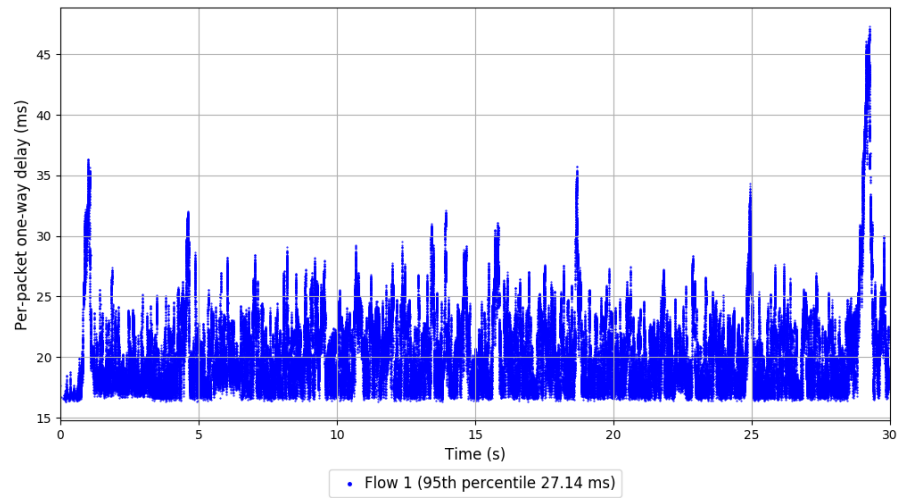
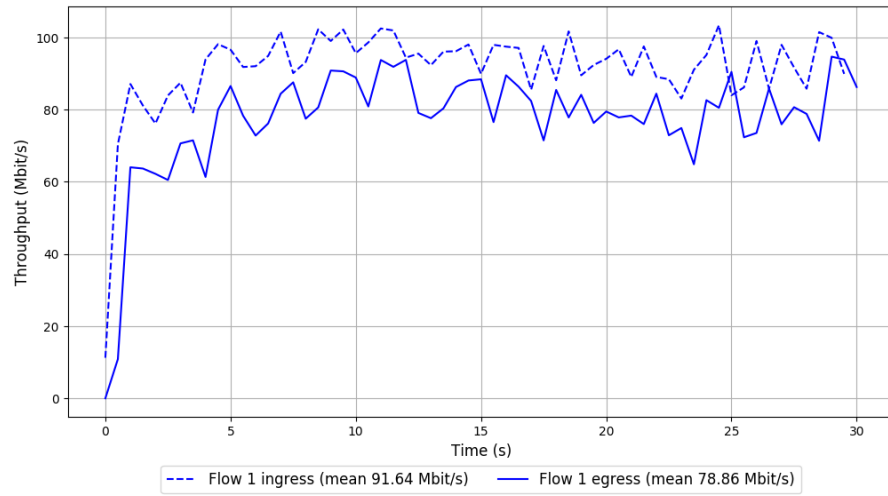


Run 4: Statistics of FillP

Start at: 2018-05-24 04:28:27
End at: 2018-05-24 04:28:57
Local clock offset: -4.222 ms
Remote clock offset: -0.869 ms

Below is generated by plot.py at 2018-05-24 06:37:04
Datalink statistics
-- Total of 1 flow:
Average throughput: 78.86 Mbit/s
95th percentile per-packet one-way delay: 27.144 ms
Loss rate: 13.94%
-- Flow 1:
Average throughput: 78.86 Mbit/s
95th percentile per-packet one-way delay: 27.144 ms
Loss rate: 13.94%

Run 4: Report of FillP — Data Link



Run 5: Statistics of FillP

Start at: 2018-05-24 04:46:28

End at: 2018-05-24 04:46:58

Local clock offset: -2.615 ms

Remote clock offset: 4.898 ms

Below is generated by plot.py at 2018-05-24 06:37:29

Datalink statistics

-- Total of 1 flow:

Average throughput: 78.98 Mbit/s

95th percentile per-packet one-way delay: 25.263 ms

Loss rate: 15.88%

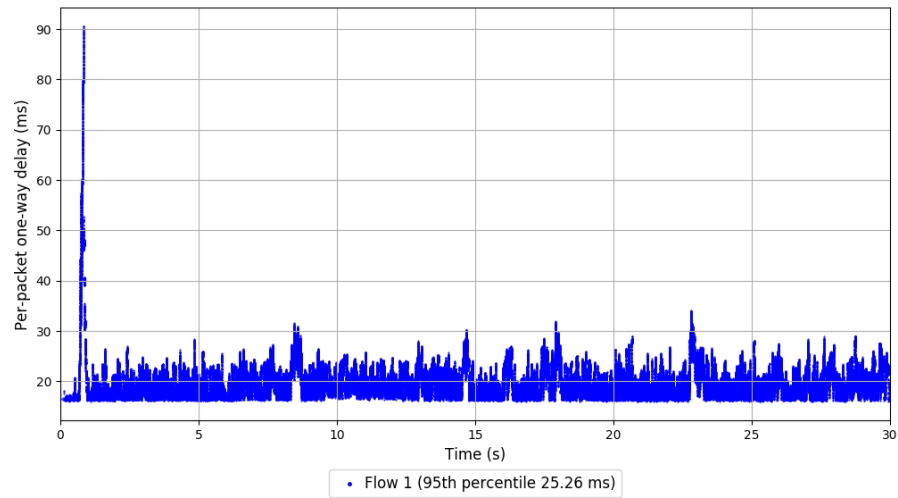
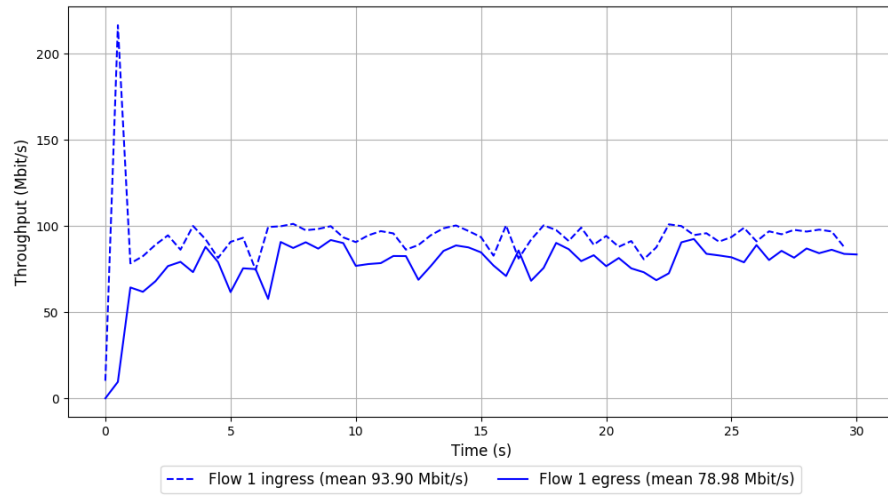
-- Flow 1:

Average throughput: 78.98 Mbit/s

95th percentile per-packet one-way delay: 25.263 ms

Loss rate: 15.88%

Run 5: Report of FillP — Data Link



Run 6: Statistics of FillP

Start at: 2018-05-24 05:04:55

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

Local clock offset: -0.475 ms

Remote clock offset: 6.287 ms

Below is generated by plot.py at 2018-05-24 06:37:29

Datalink statistics

-- Total of 1 flow:

Average throughput: 72.73 Mbit/s

95th percentile per-packet one-way delay: 19.320 ms

Loss rate: 16.13%

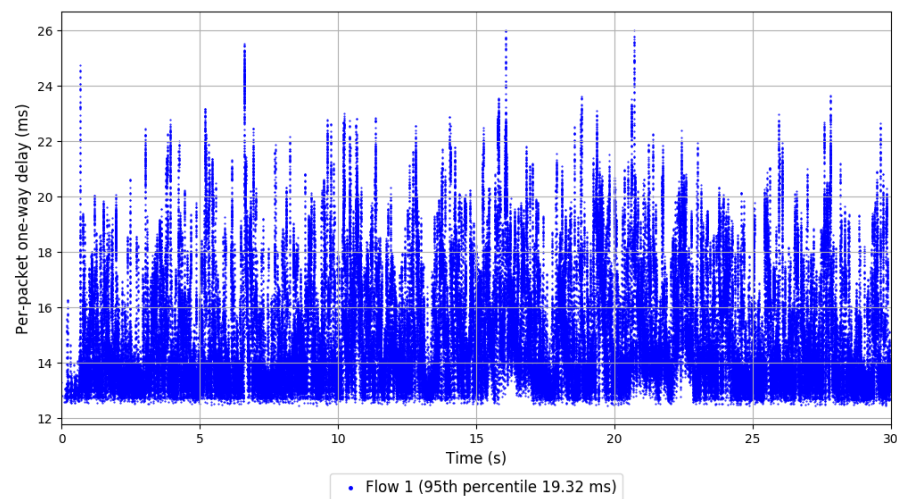
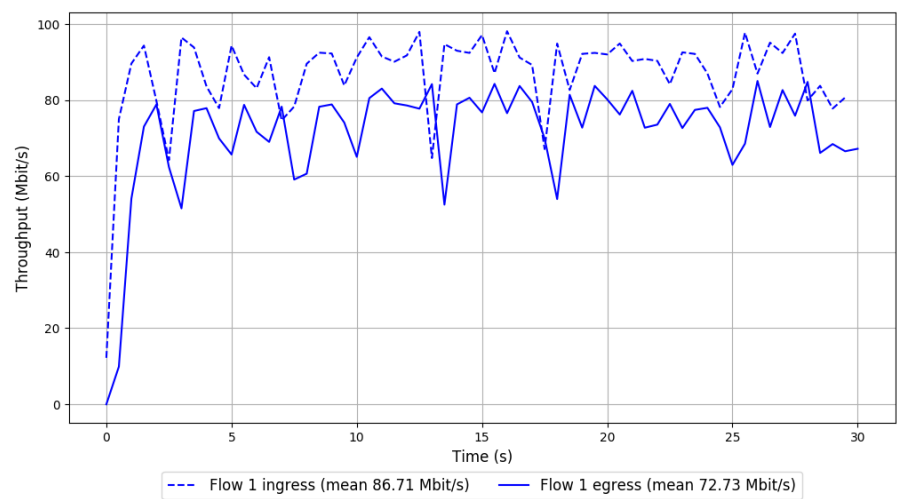
-- Flow 1:

Average throughput: 72.73 Mbit/s

95th percentile per-packet one-way delay: 19.320 ms

Loss rate: 16.13%

Run 6: Report of FillP — Data Link



Run 7: Statistics of FillP

Start at: 2018-05-24 05:22:54

End at: 2018-05-24 05:23:24

Local clock offset: 0.686 ms

Remote clock offset: 1.351 ms

Below is generated by plot.py at 2018-05-24 06:38:13

Datalink statistics

-- Total of 1 flow:

Average throughput: 75.33 Mbit/s

95th percentile per-packet one-way delay: 19.354 ms

Loss rate: 15.60%

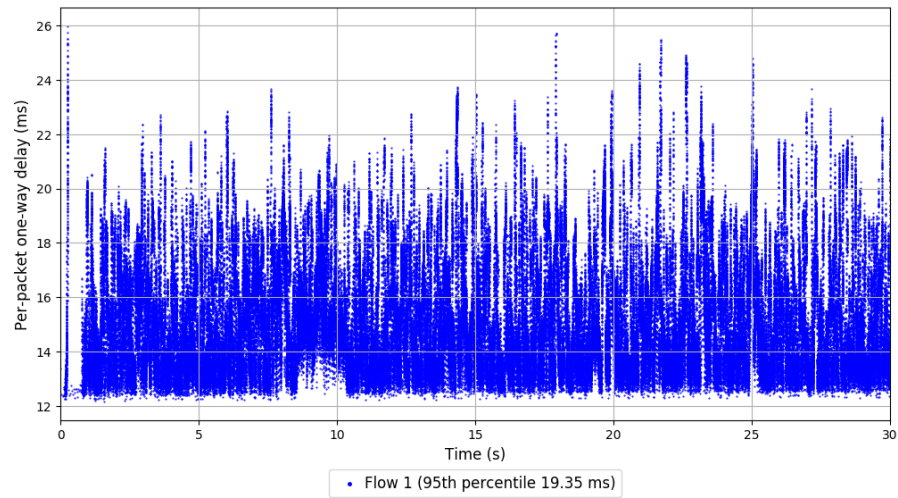
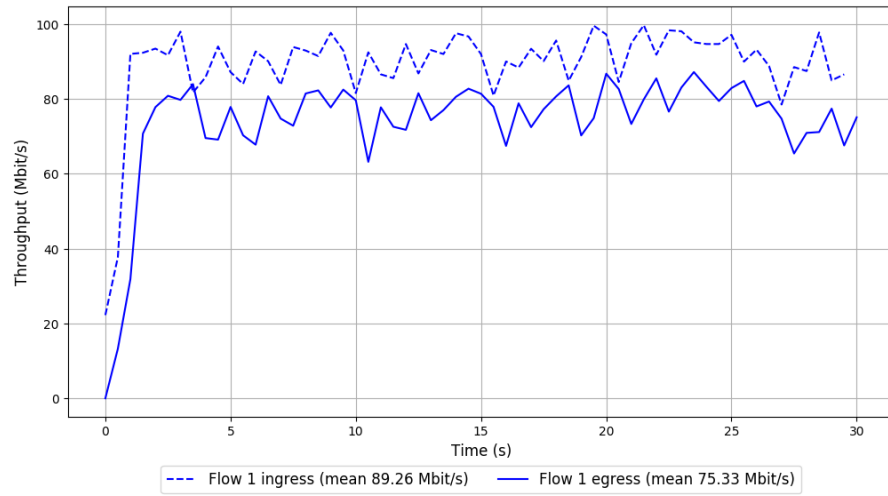
-- Flow 1:

Average throughput: 75.33 Mbit/s

95th percentile per-packet one-way delay: 19.354 ms

Loss rate: 15.60%

Run 7: Report of FillP — Data Link

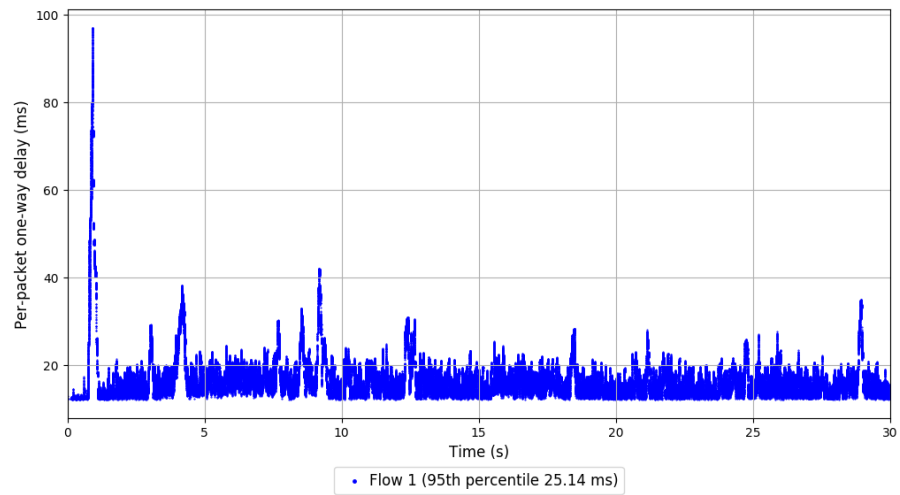
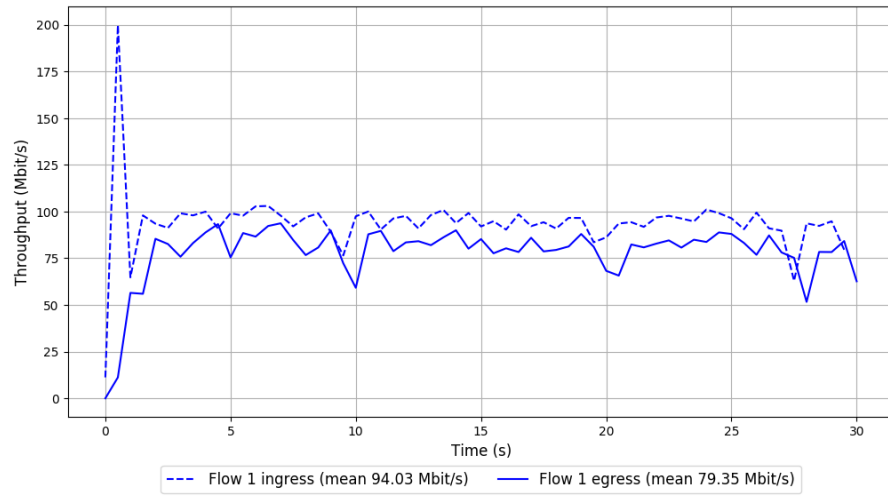


Run 8: Statistics of FillP

Start at: 2018-05-24 05:41:24
End at: 2018-05-24 05:41:54
Local clock offset: 1.557 ms
Remote clock offset: -0.944 ms

Below is generated by plot.py at 2018-05-24 06:38:22
Datalink statistics
-- Total of 1 flow:
Average throughput: 79.35 Mbit/s
95th percentile per-packet one-way delay: 25.138 ms
Loss rate: 15.61%
-- Flow 1:
Average throughput: 79.35 Mbit/s
95th percentile per-packet one-way delay: 25.138 ms
Loss rate: 15.61%

Run 8: Report of FillP — Data Link



Run 9: Statistics of FillP

Start at: 2018-05-24 05:59:23

End at: 2018-05-24 05:59:53

Local clock offset: -2.281 ms

Remote clock offset: 4.939 ms

Below is generated by plot.py at 2018-05-24 06:38:22

Datalink statistics

-- Total of 1 flow:

Average throughput: 78.82 Mbit/s

95th percentile per-packet one-way delay: 22.499 ms

Loss rate: 14.14%

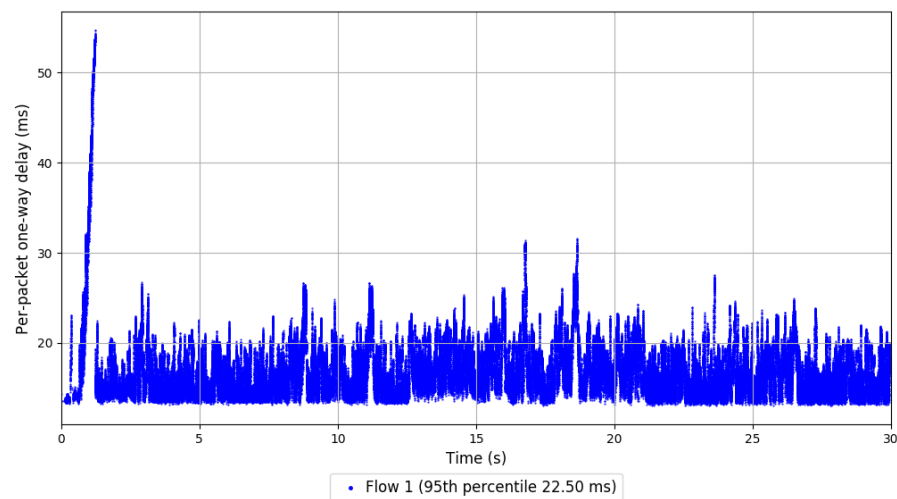
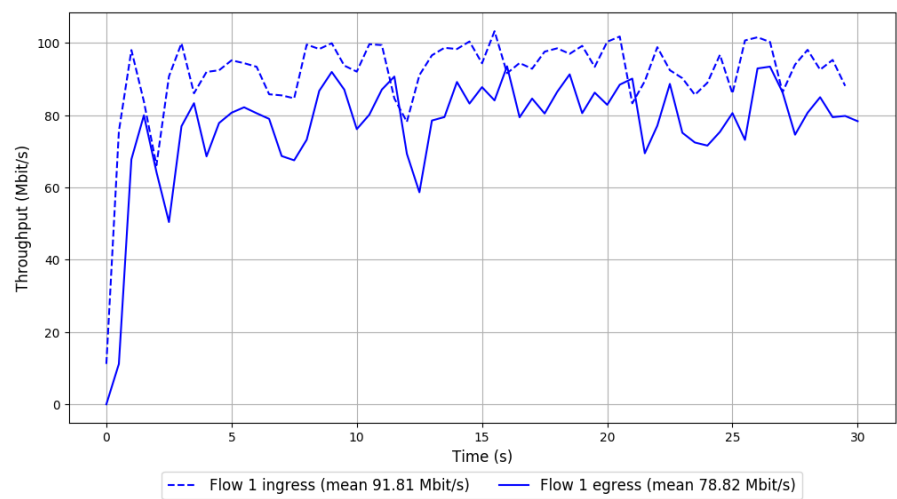
-- Flow 1:

Average throughput: 78.82 Mbit/s

95th percentile per-packet one-way delay: 22.499 ms

Loss rate: 14.14%

Run 9: Report of FillP — Data Link



Run 10: Statistics of FillP

Start at: 2018-05-24 06:17:17

End at: 2018-05-24 06:17:47

Local clock offset: -1.585 ms

Remote clock offset: 9.849 ms

Below is generated by plot.py at 2018-05-24 06:38:22

Datalink statistics

-- Total of 1 flow:

Average throughput: 68.01 Mbit/s

95th percentile per-packet one-way delay: 22.958 ms

Loss rate: 18.56%

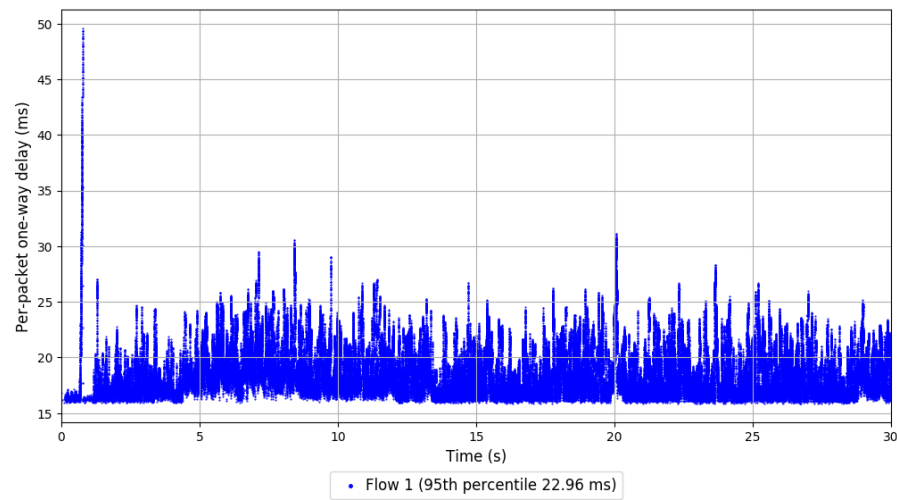
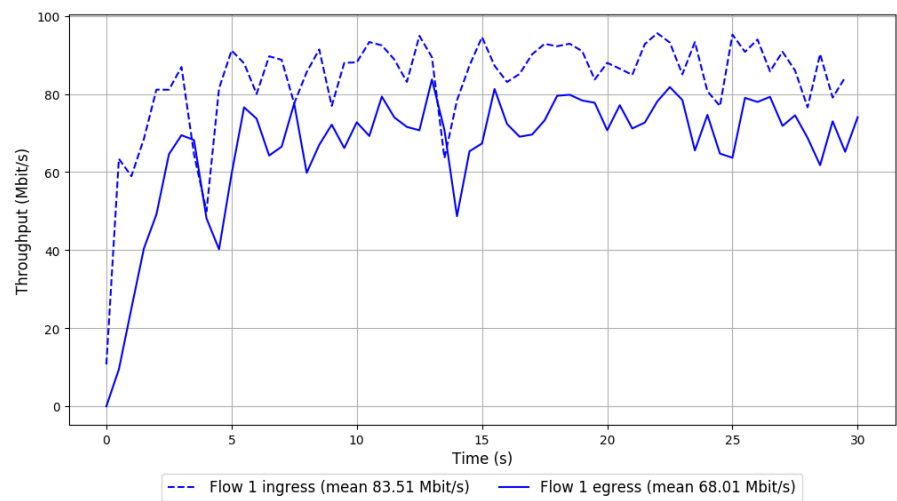
-- Flow 1:

Average throughput: 68.01 Mbit/s

95th percentile per-packet one-way delay: 22.958 ms

Loss rate: 18.56%

Run 10: Report of FillP — Data Link

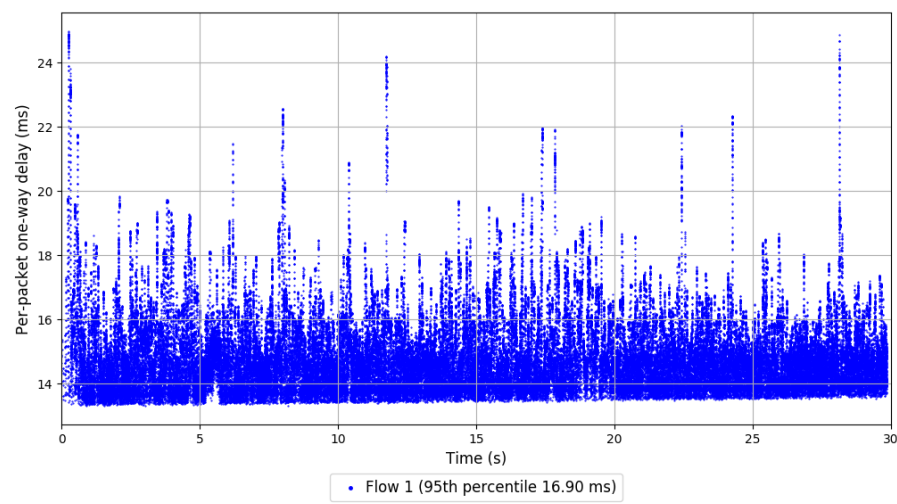
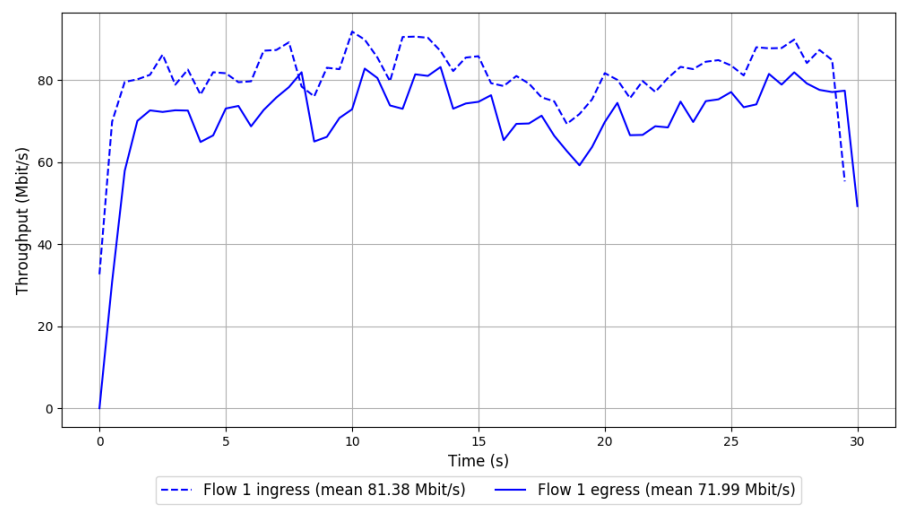


```
Run 1: Statistics of Indigo

Start at: 2018-05-24 03:41:03
End at: 2018-05-24 03:41:34
Local clock offset: 1.101 ms
Remote clock offset: -11.747 ms

# Below is generated by plot.py at 2018-05-24 06:38:22
# Datalink statistics
-- Total of 1 flow:
Average throughput: 71.99 Mbit/s
95th percentile per-packet one-way delay: 16.900 ms
Loss rate: 11.54%
-- Flow 1:
Average throughput: 71.99 Mbit/s
95th percentile per-packet one-way delay: 16.900 ms
Loss rate: 11.54%
```


Run 1: Report of Indigo — Data Link



Run 2: Statistics of Indigo

Start at: 2018-05-24 03:59:21

End at: 2018-05-24 03:59:51

Local clock offset: -0.68 ms

Remote clock offset: -19.214 ms

Below is generated by plot.py at 2018-05-24 06:38:22

Datalink statistics

-- Total of 1 flow:

Average throughput: 71.16 Mbit/s

95th percentile per-packet one-way delay: 17.265 ms

Loss rate: 8.23%

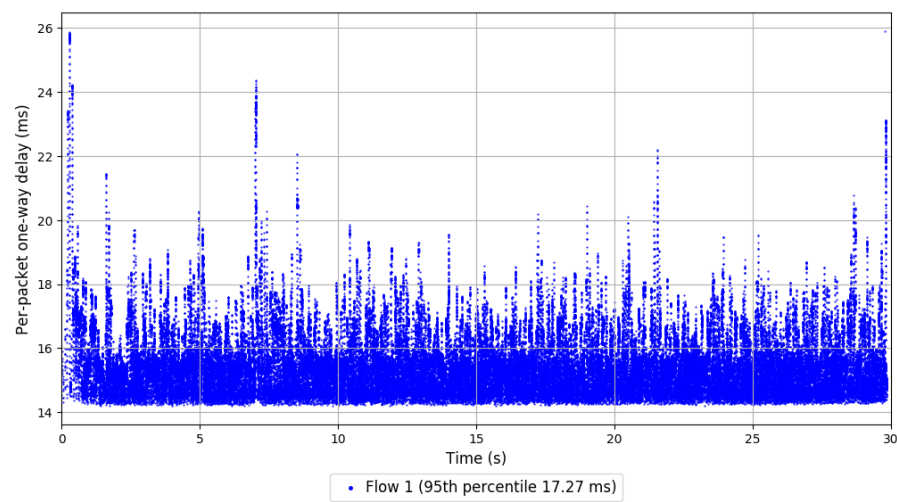
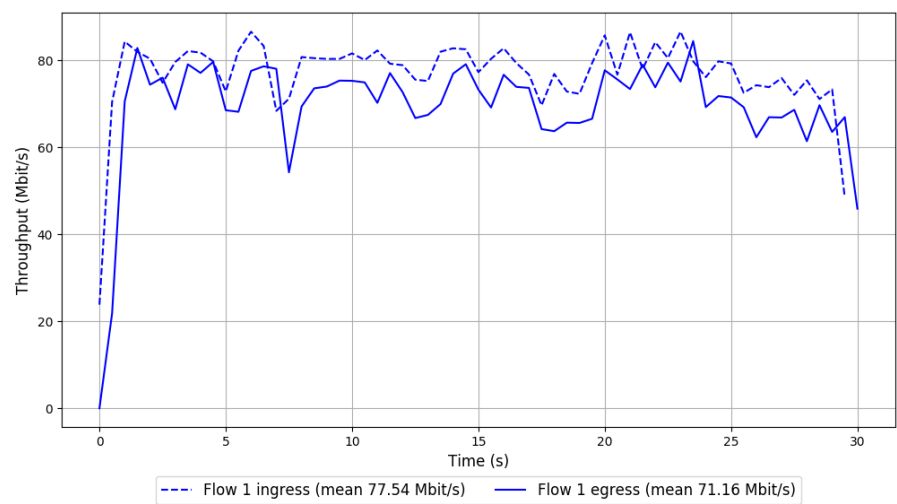
-- Flow 1:

Average throughput: 71.16 Mbit/s

95th percentile per-packet one-way delay: 17.265 ms

Loss rate: 8.23%

Run 2: Report of Indigo — Data Link

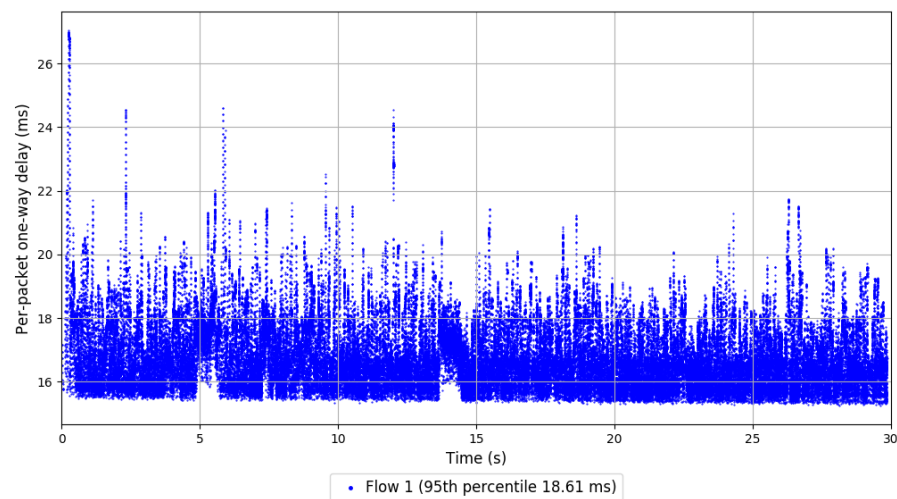
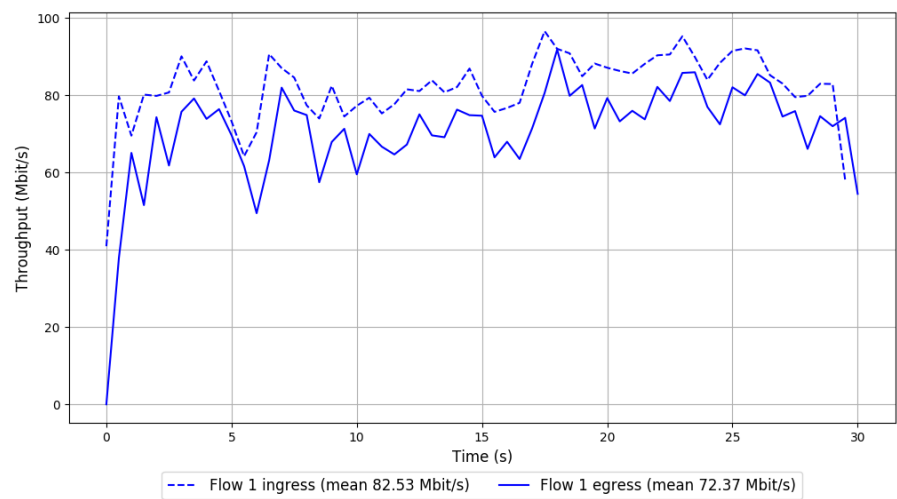


Run 3: Statistics of Indigo

Start at: 2018-05-24 04:18:07
End at: 2018-05-24 04:18:37
Local clock offset: -4.922 ms
Remote clock offset: -4.321 ms

Below is generated by plot.py at 2018-05-24 06:38:32
Datalink statistics
-- Total of 1 flow:
Average throughput: 72.37 Mbit/s
95th percentile per-packet one-way delay: 18.608 ms
Loss rate: 12.30%
-- Flow 1:
Average throughput: 72.37 Mbit/s
95th percentile per-packet one-way delay: 18.608 ms
Loss rate: 12.30%

Run 3: Report of Indigo — Data Link



Run 4: Statistics of Indigo

Start at: 2018-05-24 04:36:24

End at: 2018-05-24 04:36:54

Local clock offset: 2.225 ms

Remote clock offset: -1.573 ms

Below is generated by plot.py at 2018-05-24 06:38:32

Datalink statistics

-- Total of 1 flow:

Average throughput: 51.24 Mbit/s

95th percentile per-packet one-way delay: 12.735 ms

Loss rate: 13.95%

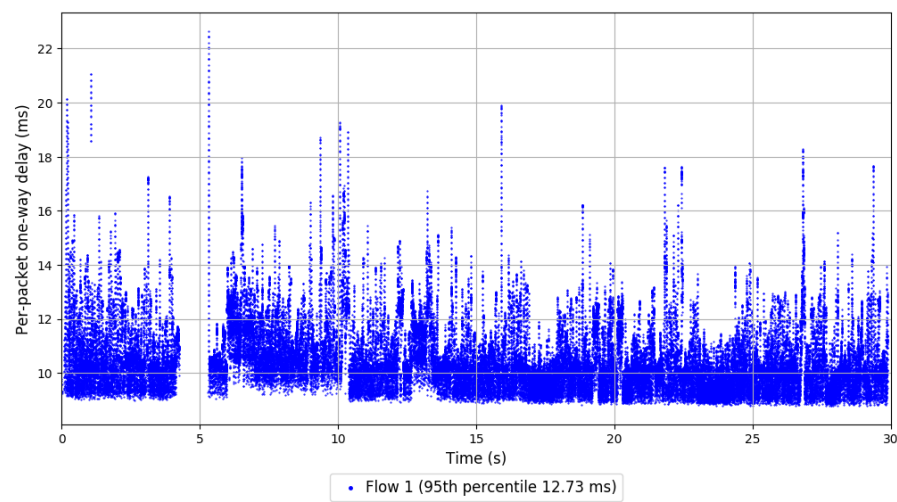
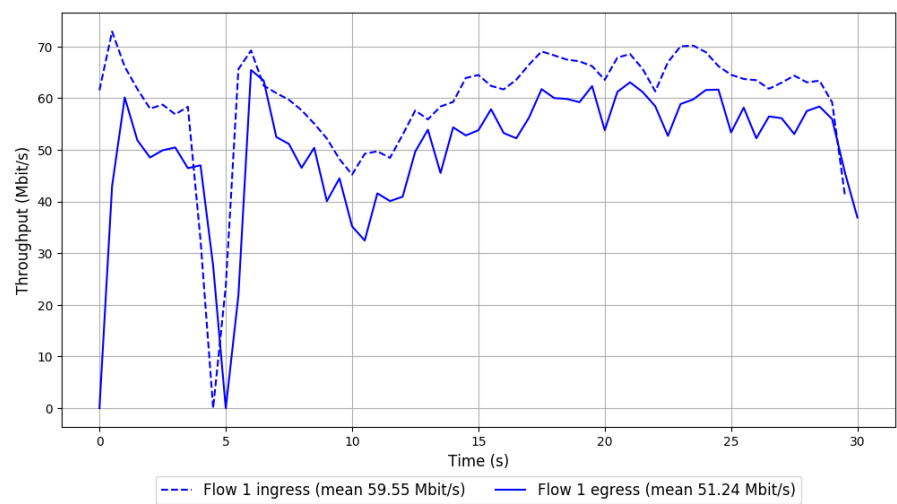
-- Flow 1:

Average throughput: 51.24 Mbit/s

95th percentile per-packet one-way delay: 12.735 ms

Loss rate: 13.95%

Run 4: Report of Indigo — Data Link



Run 5: Statistics of Indigo

Start at: 2018-05-24 04:54:41

End at: 2018-05-24 04:55:11

Local clock offset: 1.346 ms

Remote clock offset: 6.681 ms

Below is generated by plot.py at 2018-05-24 06:39:14

Datalink statistics

-- Total of 1 flow:

Average throughput: 73.44 Mbit/s

95th percentile per-packet one-way delay: 16.019 ms

Loss rate: 10.11%

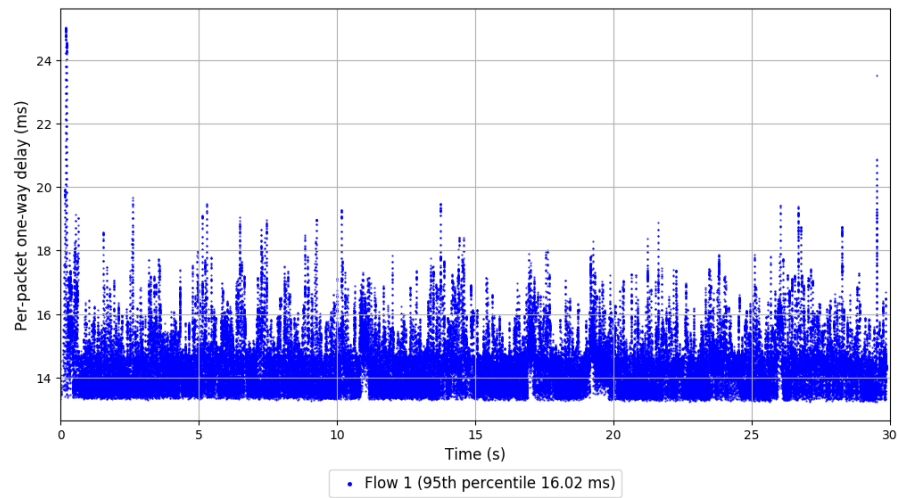
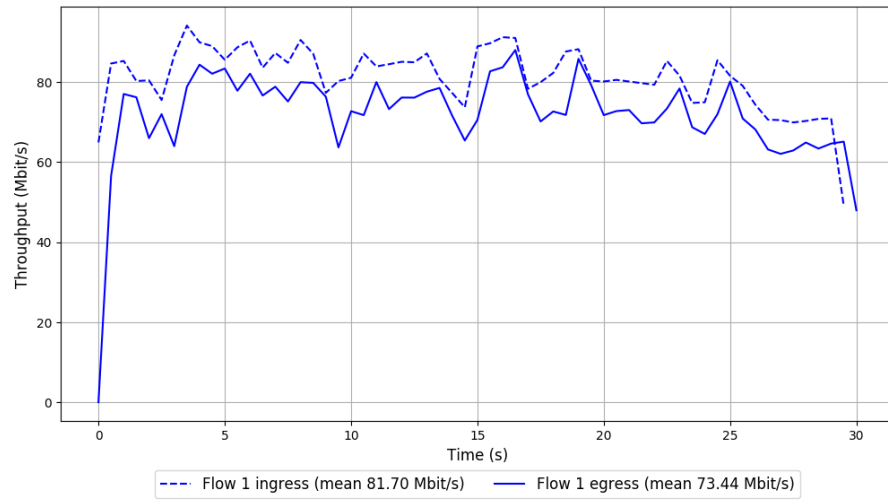
-- Flow 1:

Average throughput: 73.44 Mbit/s

95th percentile per-packet one-way delay: 16.019 ms

Loss rate: 10.11%

Run 5: Report of Indigo — Data Link



Run 6: Statistics of Indigo

Start at: 2018-05-24 05:12:50

End at: 2018-05-24 05:13:20

Local clock offset: 0.025 ms

Remote clock offset: 6.418 ms

Below is generated by plot.py at 2018-05-24 06:39:14

Datalink statistics

-- Total of 1 flow:

Average throughput: 71.61 Mbit/s

95th percentile per-packet one-way delay: 17.241 ms

Loss rate: 10.26%

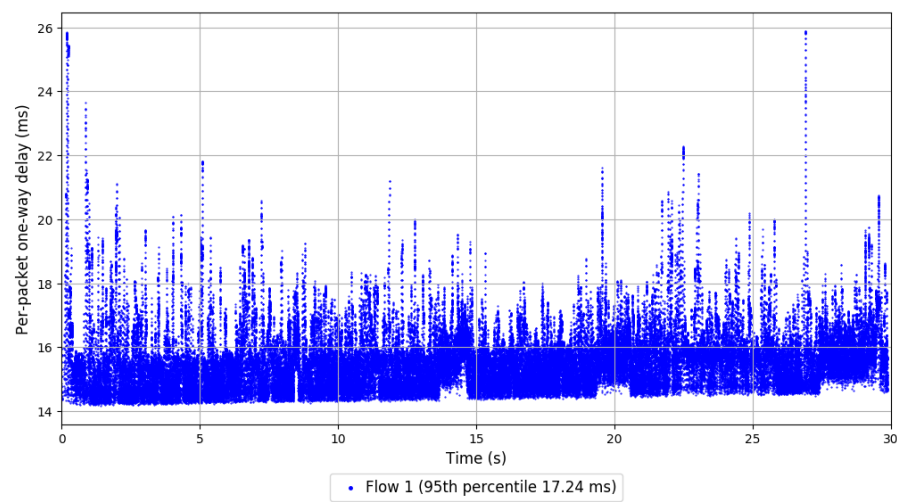
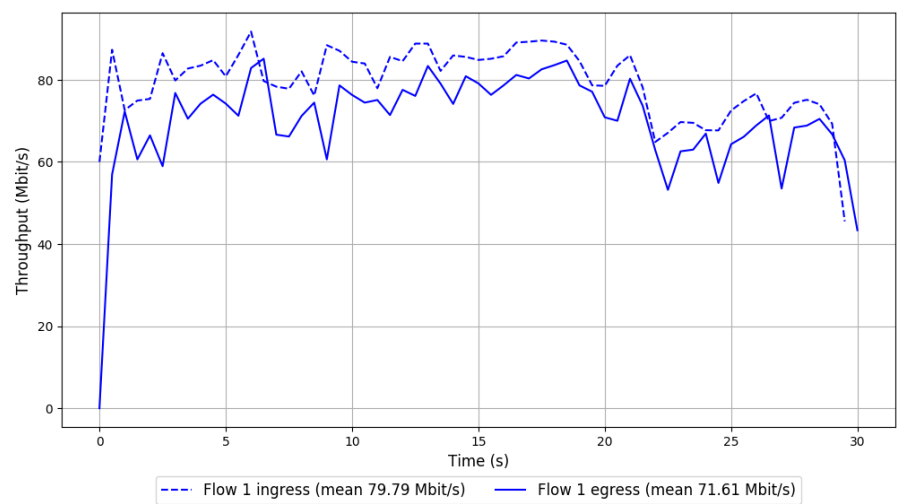
-- Flow 1:

Average throughput: 71.61 Mbit/s

95th percentile per-packet one-way delay: 17.241 ms

Loss rate: 10.26%

Run 6: Report of Indigo — Data Link

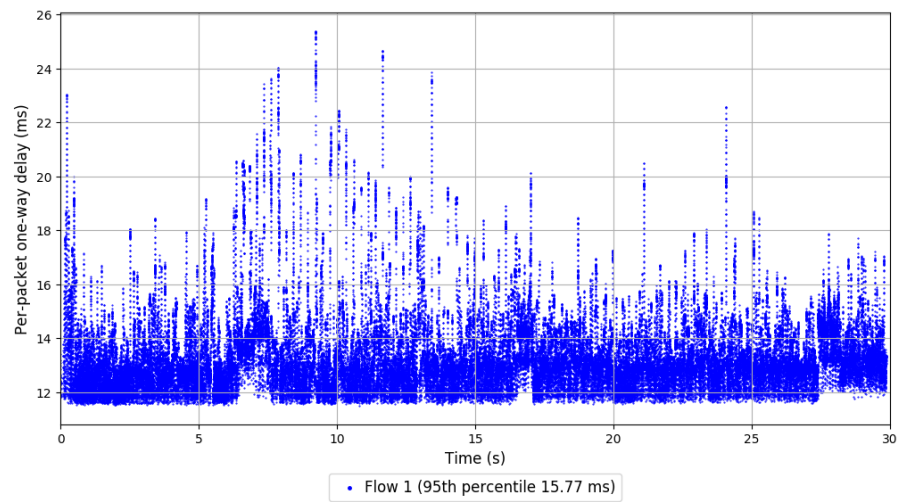
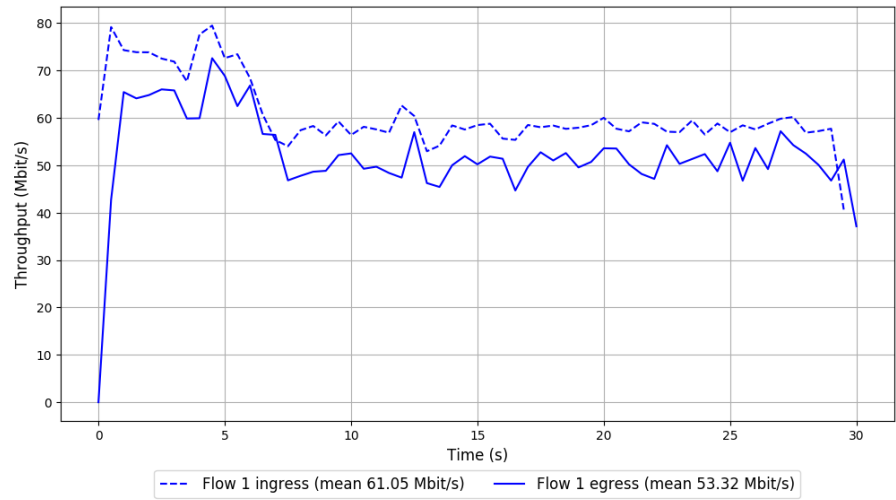


Run 7: Statistics of Indigo

Start at: 2018-05-24 05:30:51
End at: 2018-05-24 05:31:21
Local clock offset: 2.091 ms
Remote clock offset: -0.017 ms

Below is generated by plot.py at 2018-05-24 06:39:14
Datalink statistics
-- Total of 1 flow:
Average throughput: 53.32 Mbit/s
95th percentile per-packet one-way delay: 15.773 ms
Loss rate: 12.67%
-- Flow 1:
Average throughput: 53.32 Mbit/s
95th percentile per-packet one-way delay: 15.773 ms
Loss rate: 12.67%

Run 7: Report of Indigo — Data Link



Run 8: Statistics of Indigo

Start at: 2018-05-24 05:49:19

End at: 2018-05-24 05:49:49

Local clock offset: 0.593 ms

Remote clock offset: 2.034 ms

Below is generated by plot.py at 2018-05-24 06:39:19

Datalink statistics

-- Total of 1 flow:

Average throughput: 70.89 Mbit/s

95th percentile per-packet one-way delay: 15.474 ms

Loss rate: 10.03%

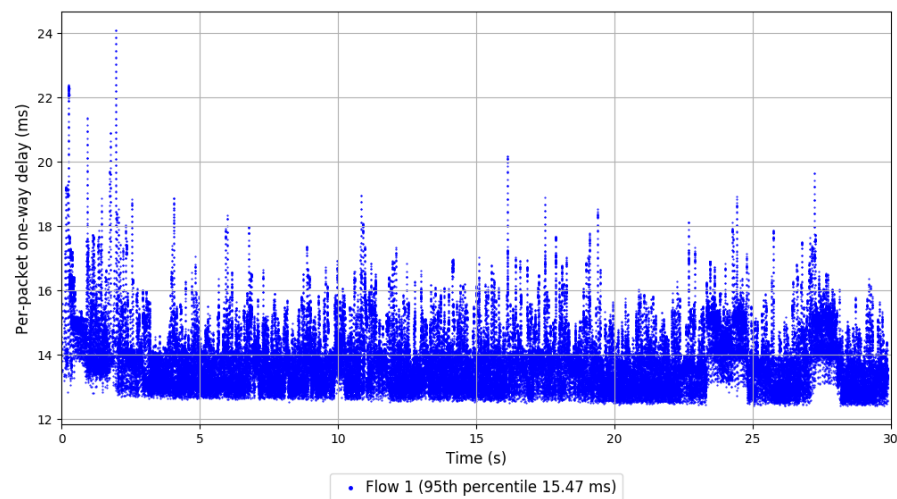
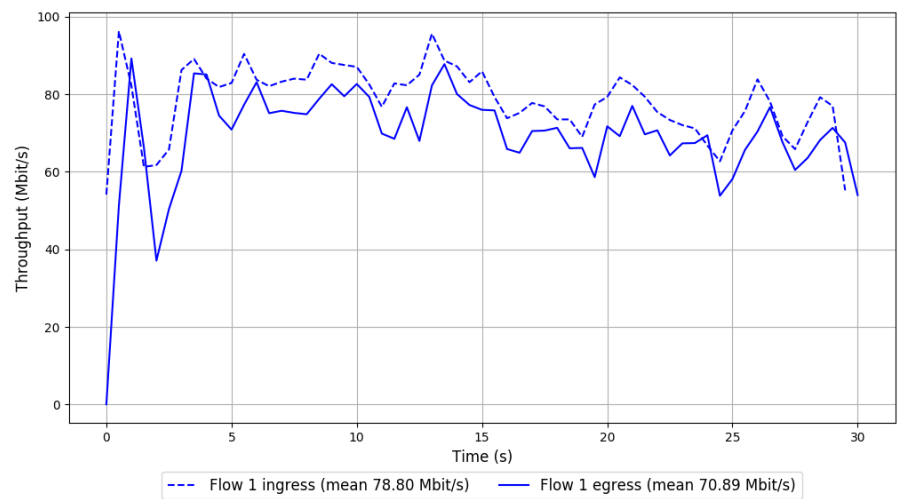
-- Flow 1:

Average throughput: 70.89 Mbit/s

95th percentile per-packet one-way delay: 15.474 ms

Loss rate: 10.03%

Run 8: Report of Indigo — Data Link



Run 9: Statistics of Indigo

Start at: 2018-05-24 06:07:14

End at: 2018-05-24 06:07:44

Local clock offset: -1.594 ms

Remote clock offset: 7.576 ms

Below is generated by plot.py at 2018-05-24 06:39:20

Datalink statistics

-- Total of 1 flow:

Average throughput: 65.82 Mbit/s

95th percentile per-packet one-way delay: 15.815 ms

Loss rate: 11.03%

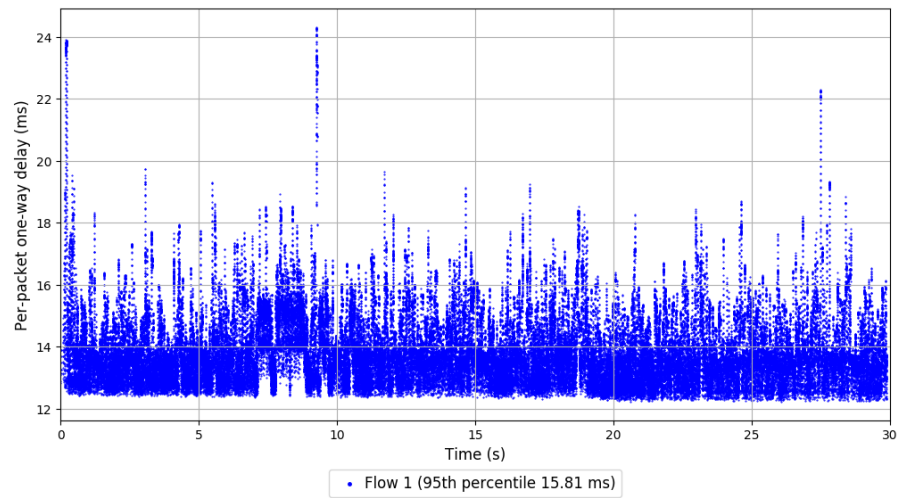
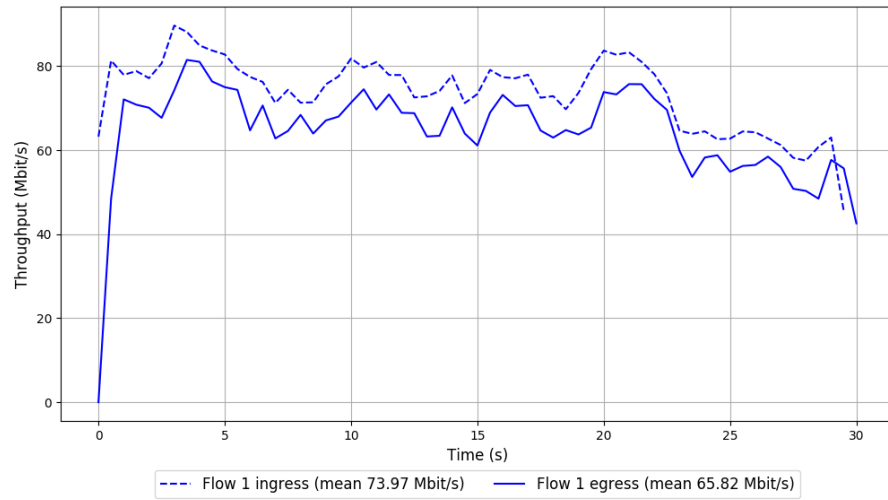
-- Flow 1:

Average throughput: 65.82 Mbit/s

95th percentile per-packet one-way delay: 15.815 ms

Loss rate: 11.03%

Run 9: Report of Indigo — Data Link



Run 10: Statistics of Indigo

Start at: 2018-05-24 06:25:22

End at: 2018-05-24 06:25:52

Local clock offset: -2.975 ms

Remote clock offset: 8.581 ms

Below is generated by plot.py at 2018-05-24 06:39:20

Datalink statistics

-- Total of 1 flow:

Average throughput: 57.46 Mbit/s

95th percentile per-packet one-way delay: 20.631 ms

Loss rate: 11.72%

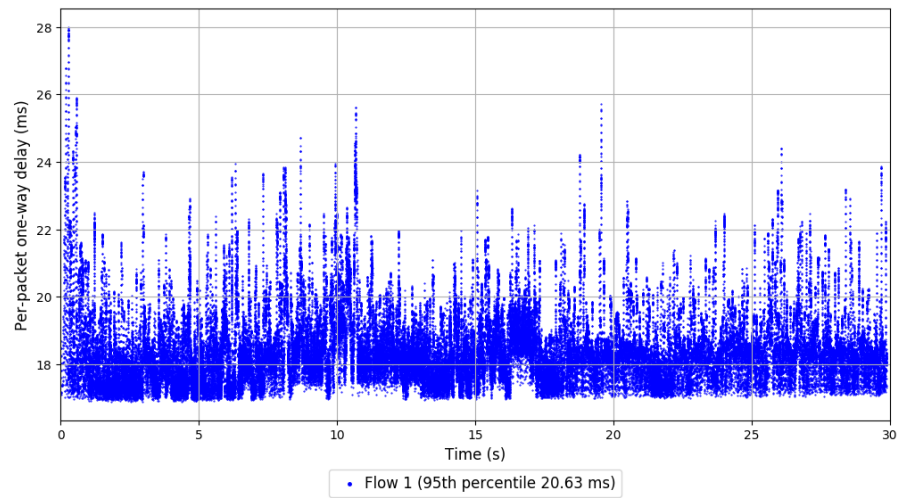
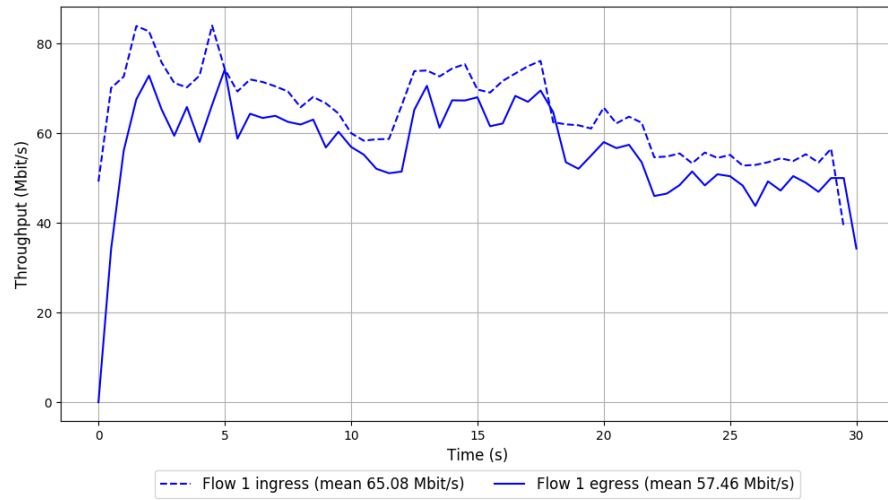
-- Flow 1:

Average throughput: 57.46 Mbit/s

95th percentile per-packet one-way delay: 20.631 ms

Loss rate: 11.72%

Run 10: Report of Indigo — Data Link

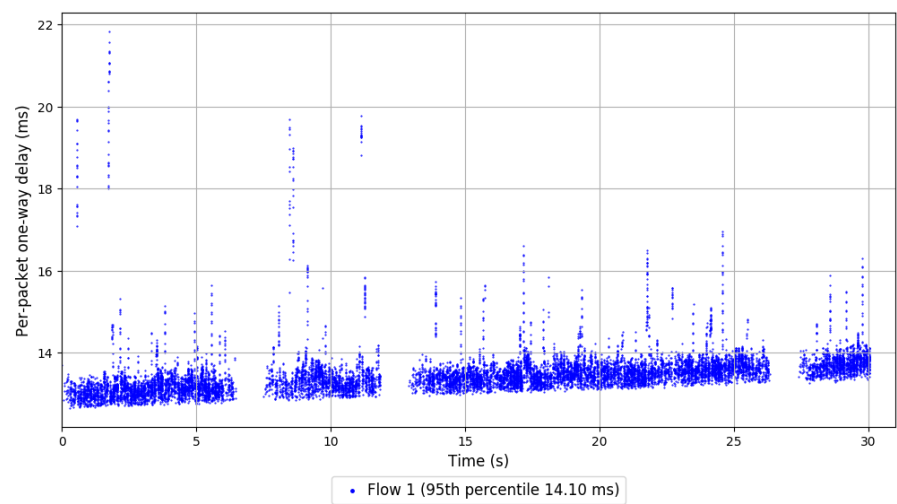
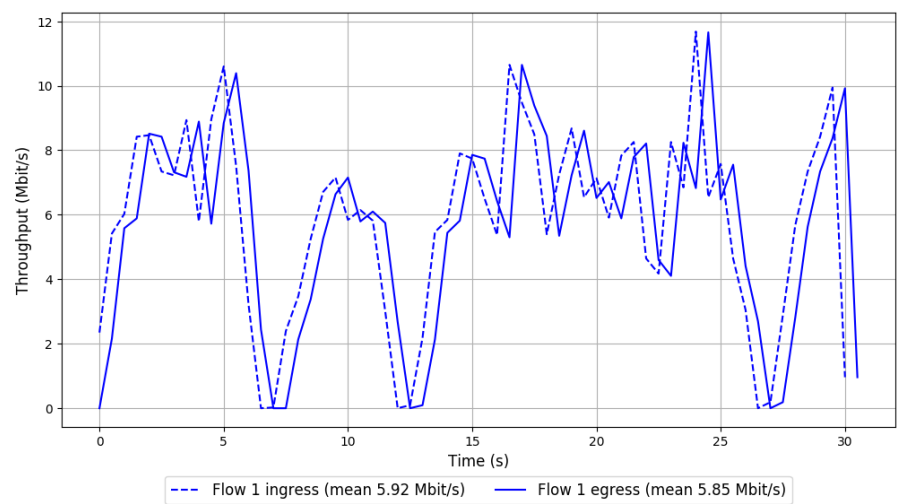


```
Run 1: Statistics of LEDBAT

Start at: 2018-05-24 03:29:18
End at: 2018-05-24 03:29:48
Local clock offset: -1.122 ms
Remote clock offset: -3.75 ms

# Below is generated by plot.py at 2018-05-24 06:39:20
# Datalink statistics
-- Total of 1 flow:
Average throughput: 5.85 Mbit/s
95th percentile per-packet one-way delay: 14.103 ms
Loss rate: 1.23%
-- Flow 1:
Average throughput: 5.85 Mbit/s
95th percentile per-packet one-way delay: 14.103 ms
Loss rate: 1.23%
```

Run 1: Report of LEDBAT — Data Link

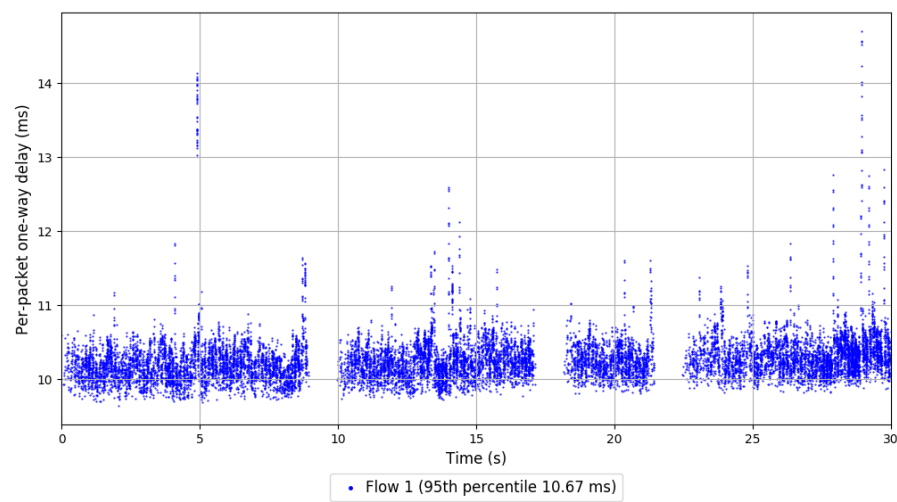
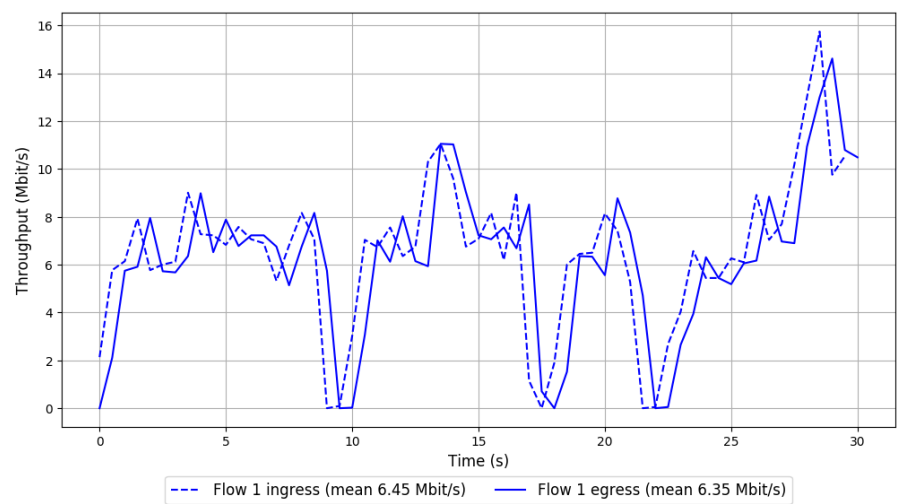


Run 2: Statistics of LEDBAT

Start at: 2018-05-24 03:47:58
End at: 2018-05-24 03:48:28
Local clock offset: 4.425 ms
Remote clock offset: -16.693 ms

Below is generated by plot.py at 2018-05-24 06:39:20
Datalink statistics
-- Total of 1 flow:
Average throughput: 6.35 Mbit/s
95th percentile per-packet one-way delay: 10.670 ms
Loss rate: 1.62%
-- Flow 1:
Average throughput: 6.35 Mbit/s
95th percentile per-packet one-way delay: 10.670 ms
Loss rate: 1.62%

Run 2: Report of LEDBAT — Data Link

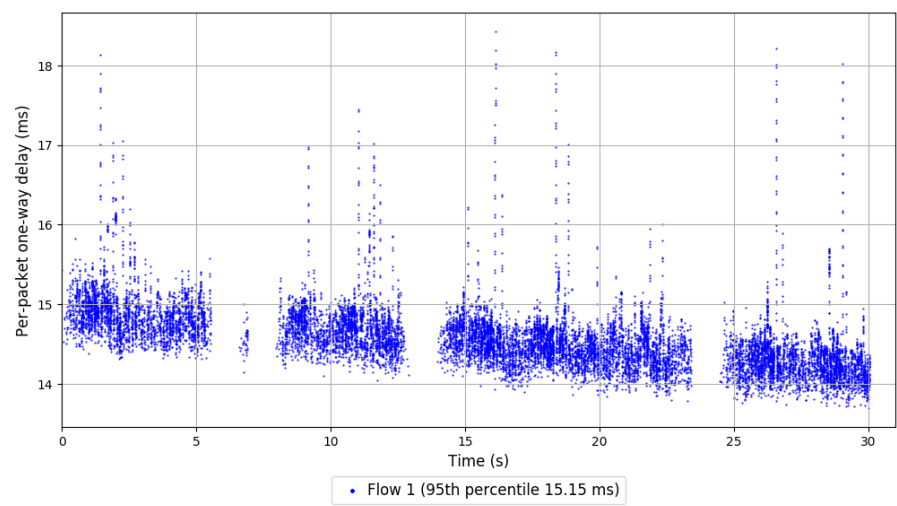
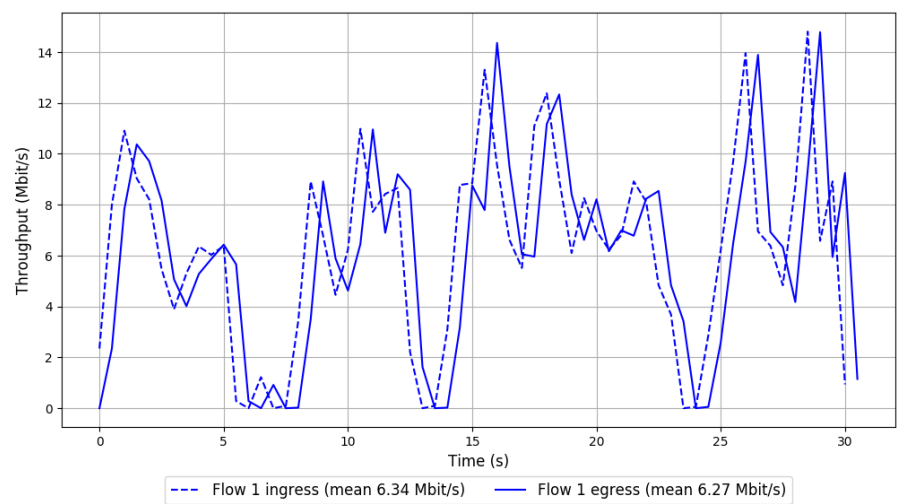


Run 3: Statistics of LEDBAT

Start at: 2018-05-24 04:06:21
End at: 2018-05-24 04:06:51
Local clock offset: -0.327 ms
Remote clock offset: -11.61 ms

Below is generated by plot.py at 2018-05-24 06:39:20
Datalink statistics
-- Total of 1 flow:
Average throughput: 6.27 Mbit/s
95th percentile per-packet one-way delay: 15.154 ms
Loss rate: 1.05%
-- Flow 1:
Average throughput: 6.27 Mbit/s
95th percentile per-packet one-way delay: 15.154 ms
Loss rate: 1.05%

Run 3: Report of LEDBAT — Data Link

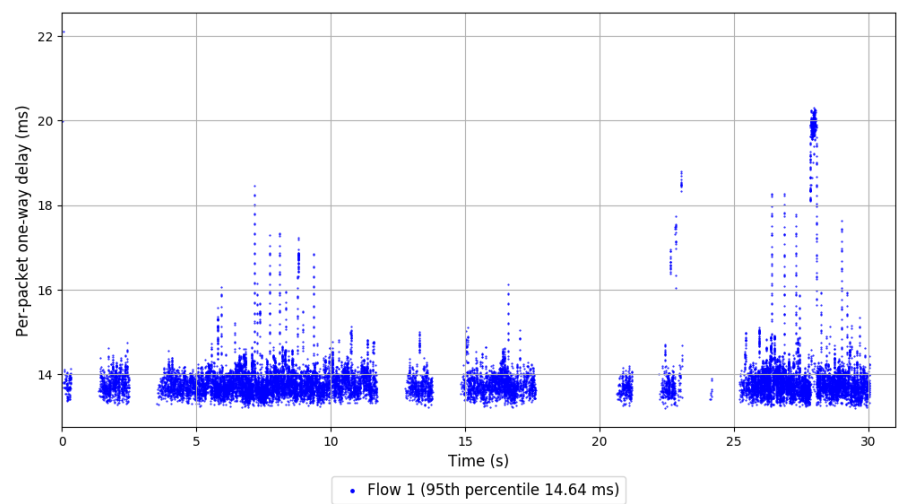
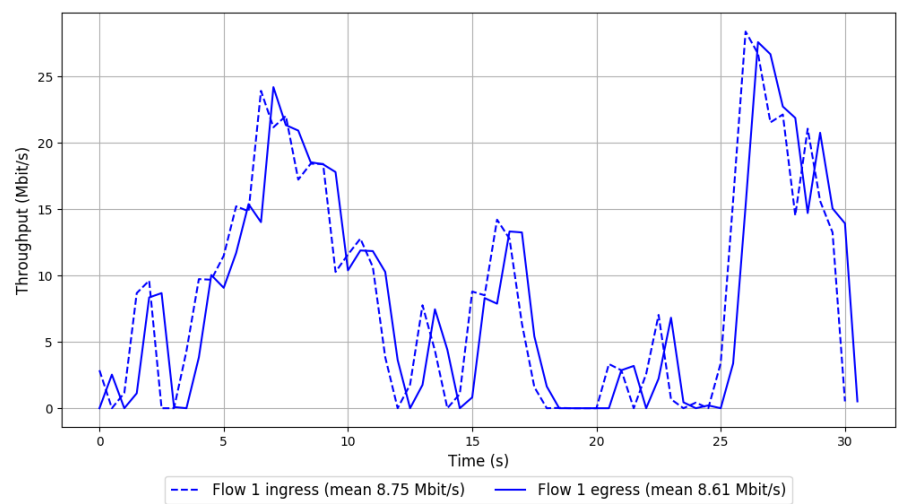


Run 4: Statistics of LEDBAT

Start at: 2018-05-24 04:25:13
End at: 2018-05-24 04:25:43
Local clock offset: -1.998 ms
Remote clock offset: -1.989 ms

Below is generated by plot.py at 2018-05-24 06:39:20
Datalink statistics
-- Total of 1 flow:
Average throughput: 8.61 Mbit/s
95th percentile per-packet one-way delay: 14.638 ms
Loss rate: 1.60%
-- Flow 1:
Average throughput: 8.61 Mbit/s
95th percentile per-packet one-way delay: 14.638 ms
Loss rate: 1.60%

Run 4: Report of LEDBAT — Data Link



Run 5: Statistics of LEDBAT

Start at: 2018-05-24 04:43:12

End at: 2018-05-24 04:43:42

Local clock offset: 2.082 ms

Remote clock offset: 3.366 ms

Below is generated by plot.py at 2018-05-24 06:39:20

Datalink statistics

-- Total of 1 flow:

Average throughput: 22.10 Mbit/s

95th percentile per-packet one-way delay: 15.007 ms

Loss rate: 0.19%

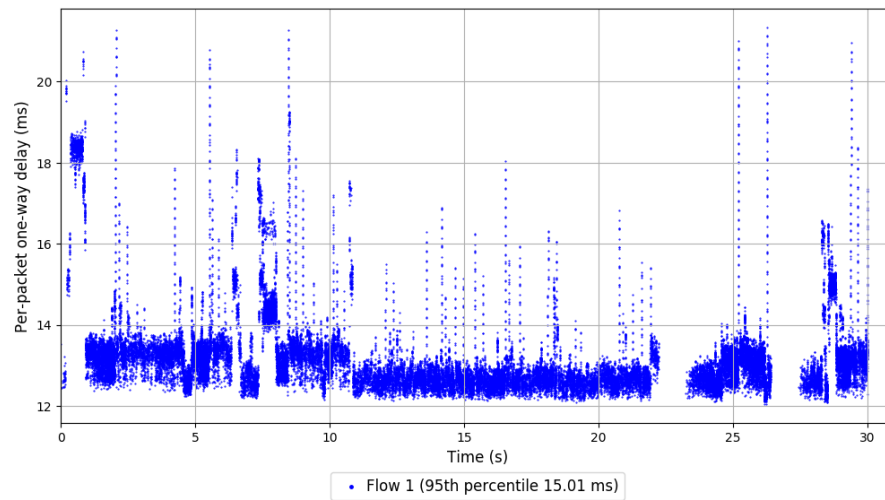
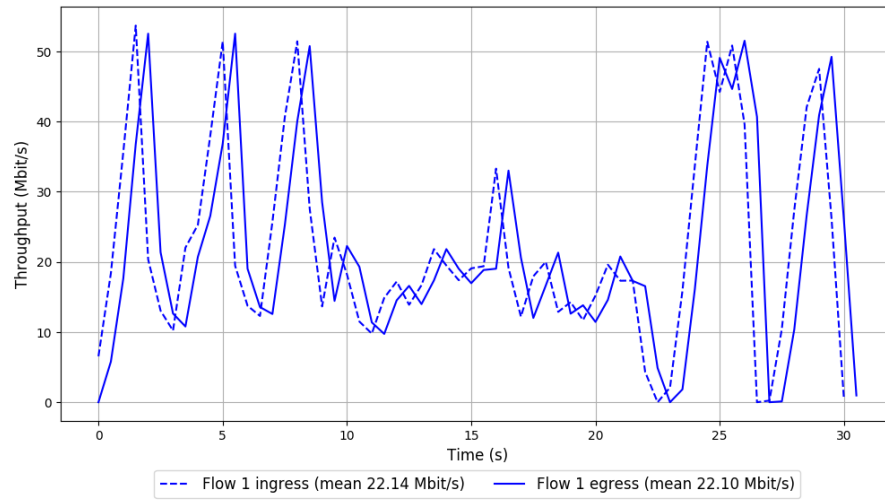
-- Flow 1:

Average throughput: 22.10 Mbit/s

95th percentile per-packet one-way delay: 15.007 ms

Loss rate: 0.19%

Run 5: Report of LEDBAT — Data Link



Run 6: Statistics of LEDBAT

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

End at: 2018-05-24 05:02:01

Local clock offset: -0.109 ms

Remote clock offset: 6.685 ms

Below is generated by plot.py at 2018-05-24 06:39:20

Datalink statistics

-- Total of 1 flow:

Average throughput: 18.43 Mbit/s

95th percentile per-packet one-way delay: 14.939 ms

Loss rate: 0.41%

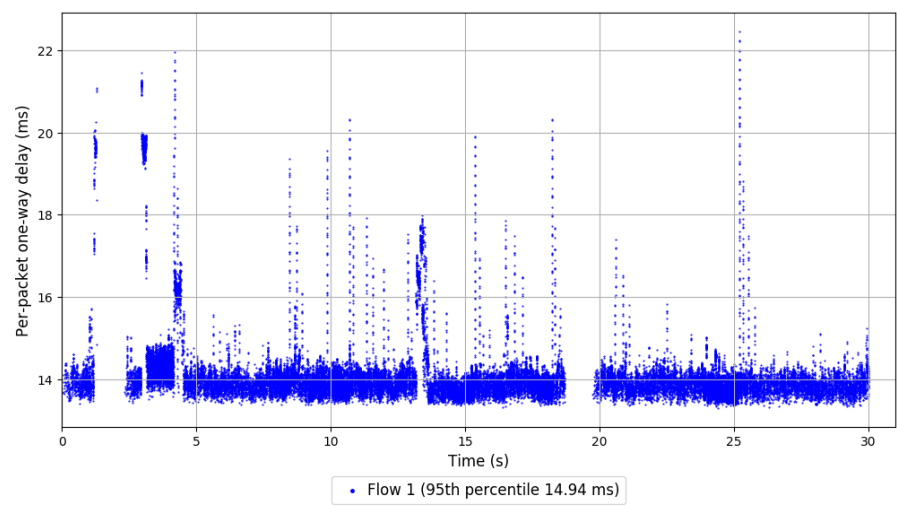
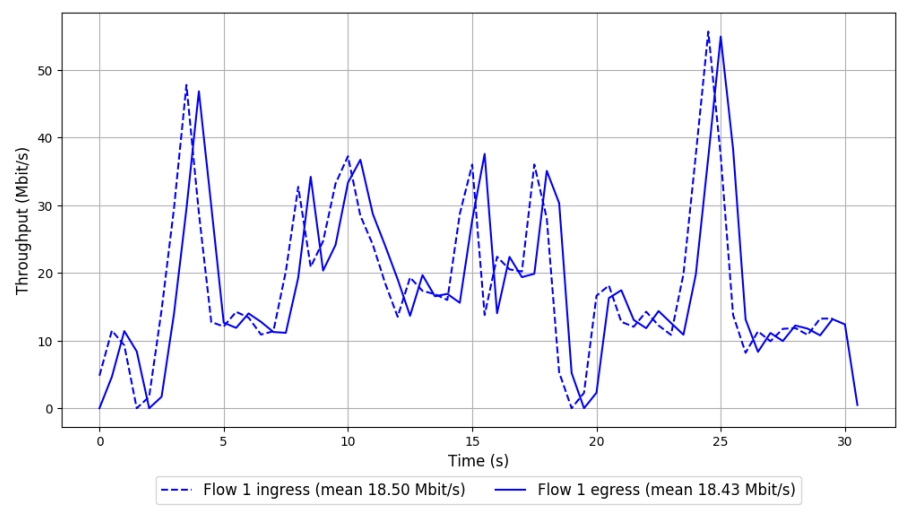
-- Flow 1:

Average throughput: 18.43 Mbit/s

95th percentile per-packet one-way delay: 14.939 ms

Loss rate: 0.41%

Run 6: Report of LEDBAT — Data Link



Run 7: Statistics of LEDBAT

Start at: 2018-05-24 05:19:41

End at: 2018-05-24 05:20:11

Local clock offset: 0.16 ms

Remote clock offset: 2.819 ms

Below is generated by plot.py at 2018-05-24 06:39:20

Datalink statistics

-- Total of 1 flow:

Average throughput: 2.74 Mbit/s

95th percentile per-packet one-way delay: 16.165 ms

Loss rate: 5.98%

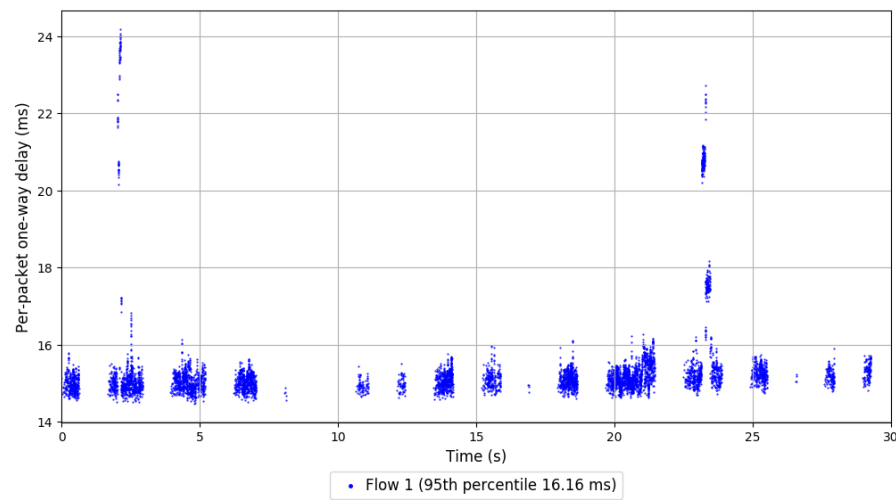
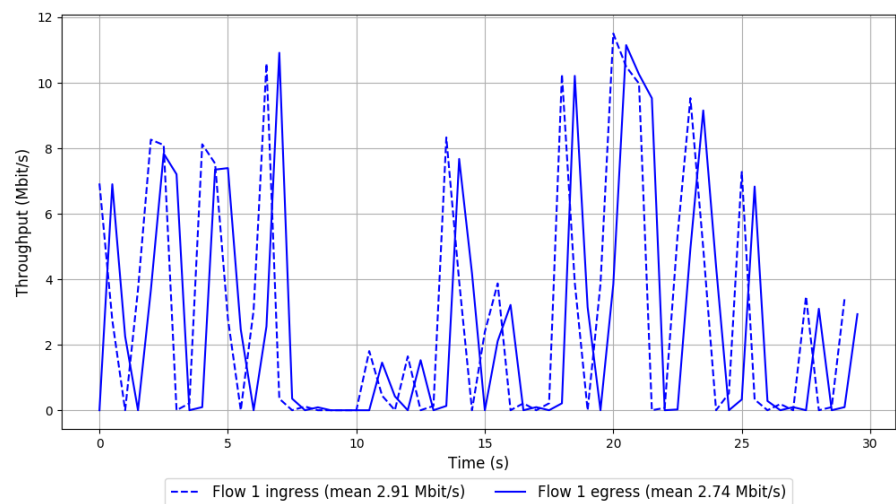
-- Flow 1:

Average throughput: 2.74 Mbit/s

95th percentile per-packet one-way delay: 16.165 ms

Loss rate: 5.98%

Run 7: Report of LEDBAT — Data Link

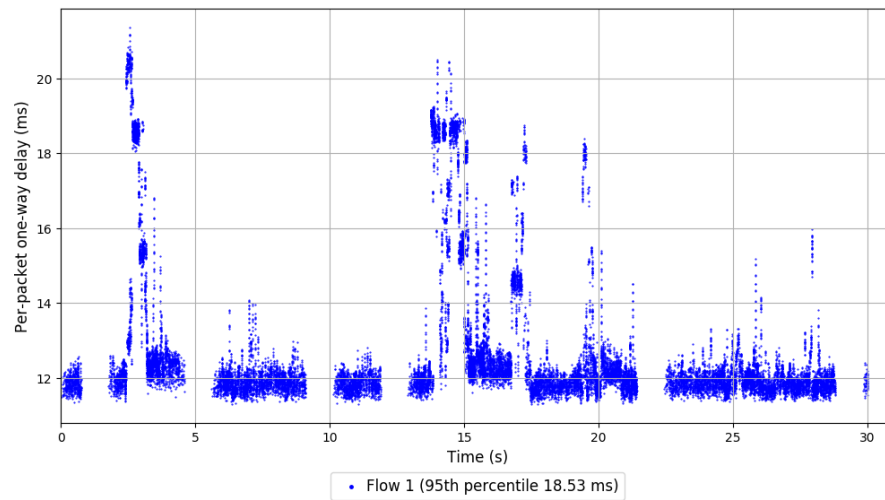
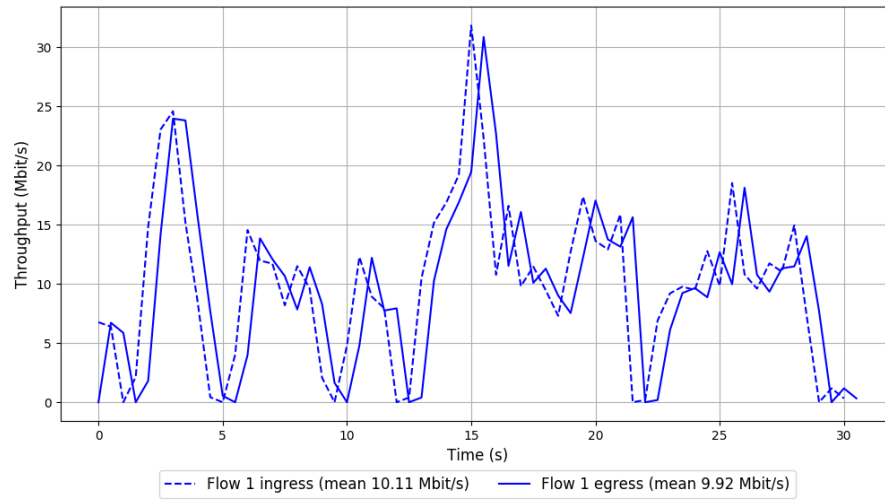


Run 8: Statistics of LEDBAT

Start at: 2018-05-24 05:38:10
End at: 2018-05-24 05:38:40
Local clock offset: 2.043 ms
Remote clock offset: -1.241 ms

Below is generated by plot.py at 2018-05-24 06:39:20
Datalink statistics
-- Total of 1 flow:
Average throughput: 9.92 Mbit/s
95th percentile per-packet one-way delay: 18.529 ms
Loss rate: 1.82%
-- Flow 1:
Average throughput: 9.92 Mbit/s
95th percentile per-packet one-way delay: 18.529 ms
Loss rate: 1.82%

Run 8: Report of LEDBAT — Data Link



Run 9: Statistics of LEDBAT

Start at: 2018-05-24 05:56:09

End at: 2018-05-24 05:56:39

Local clock offset: -1.088 ms

Remote clock offset: 3.688 ms

Below is generated by plot.py at 2018-05-24 06:39:20

Datalink statistics

-- Total of 1 flow:

Average throughput: 15.14 Mbit/s

95th percentile per-packet one-way delay: 16.829 ms

Loss rate: 0.73%

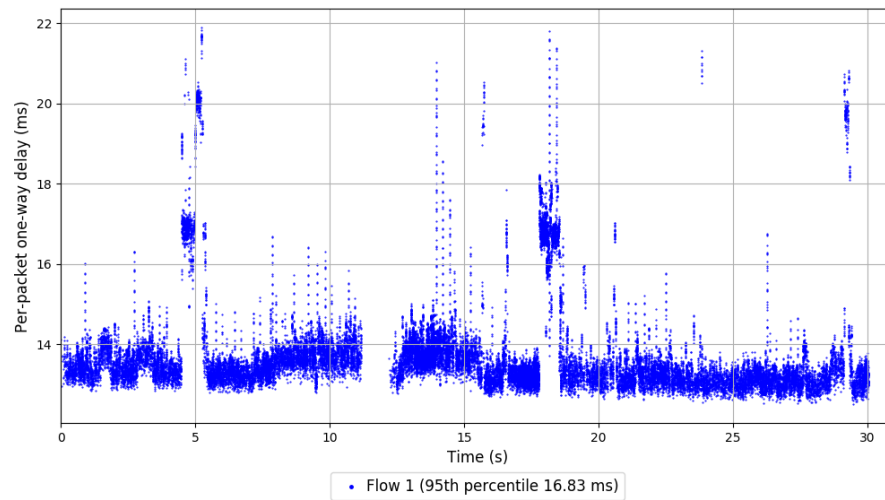
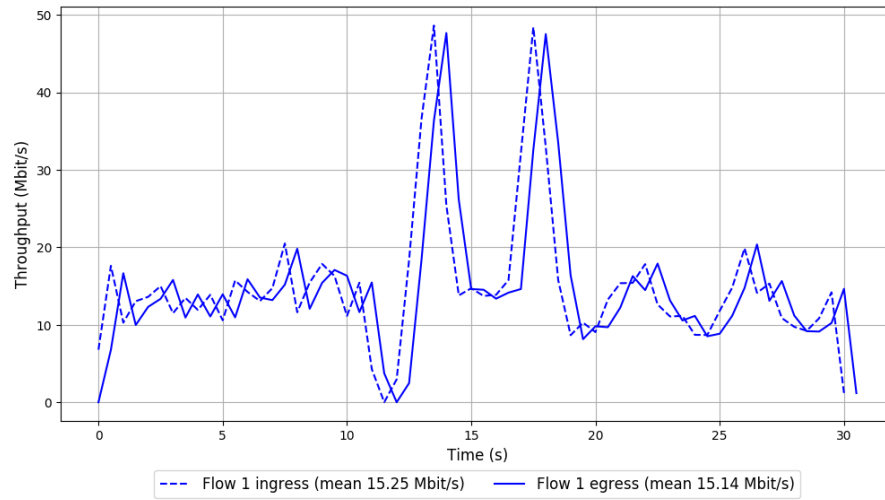
-- Flow 1:

Average throughput: 15.14 Mbit/s

95th percentile per-packet one-way delay: 16.829 ms

Loss rate: 0.73%

Run 9: Report of LEDBAT — Data Link



Run 10: Statistics of LEDBAT

Start at: 2018-05-24 06:14:03

End at: 2018-05-24 06:14:33

Local clock offset: -4.552 ms

Remote clock offset: 7.942 ms

Below is generated by plot.py at 2018-05-24 06:39:20

Datalink statistics

-- Total of 1 flow:

Average throughput: 7.47 Mbit/s

95th percentile per-packet one-way delay: 17.417 ms

Loss rate: 2.62%

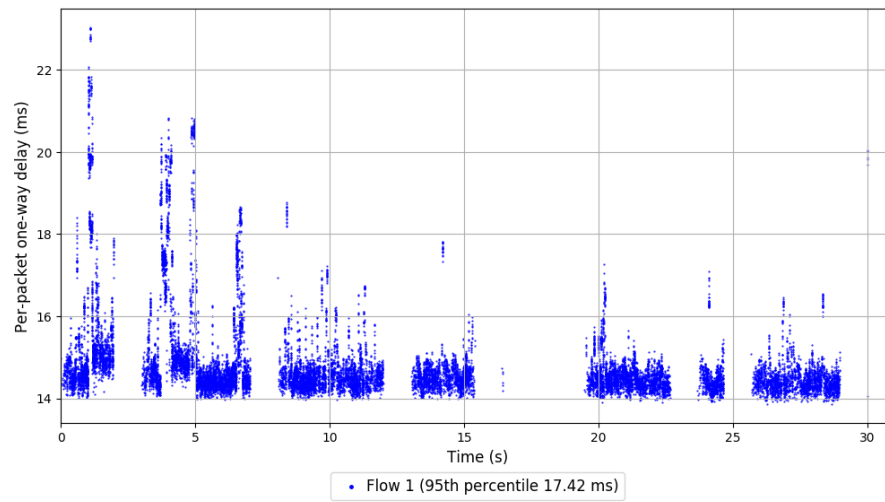
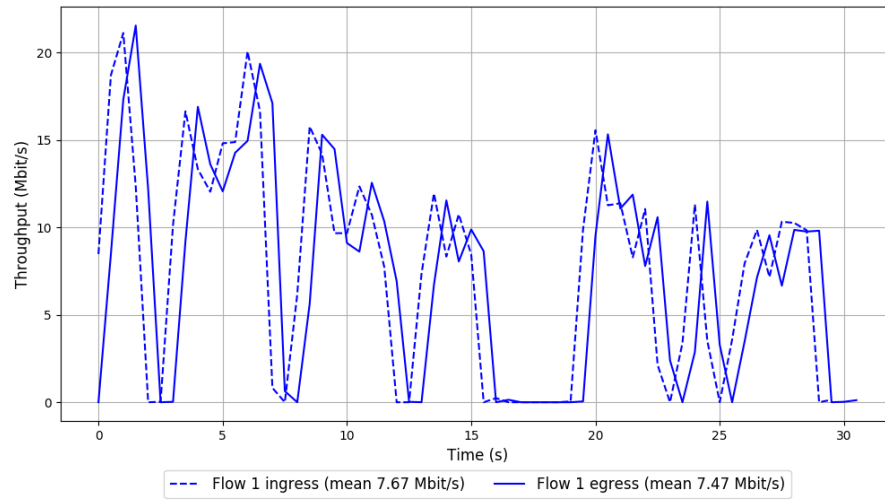
-- Flow 1:

Average throughput: 7.47 Mbit/s

95th percentile per-packet one-way delay: 17.417 ms

Loss rate: 2.62%

Run 10: Report of LEDBAT — Data Link



Run 1: Statistics of PCC-Allegro

Start at: 2018-05-24 03:34:06

End at: 2018-05-24 03:34:36

Local clock offset: -0.71 ms

Remote clock offset: -8.032 ms

Below is generated by plot.py at 2018-05-24 06:39:50

Datalink statistics

-- Total of 1 flow:

Average throughput: 39.12 Mbit/s

95th percentile per-packet one-way delay: 14.419 ms

Loss rate: 6.60%

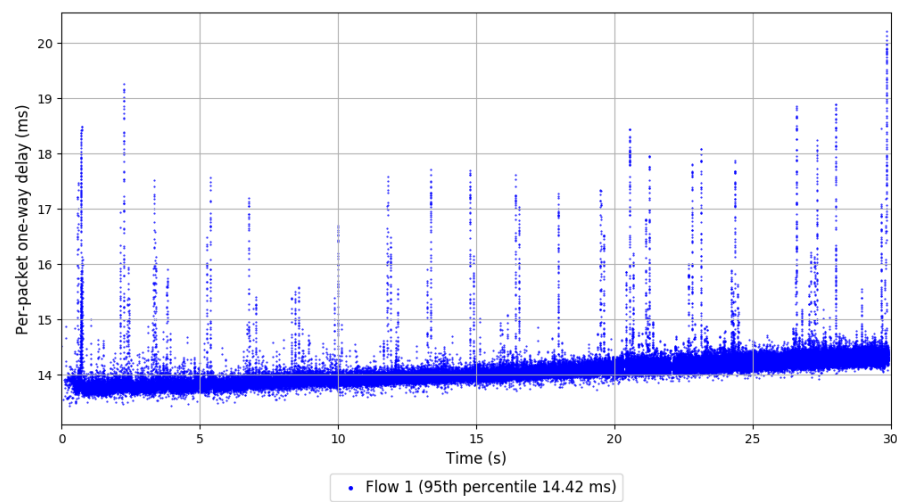
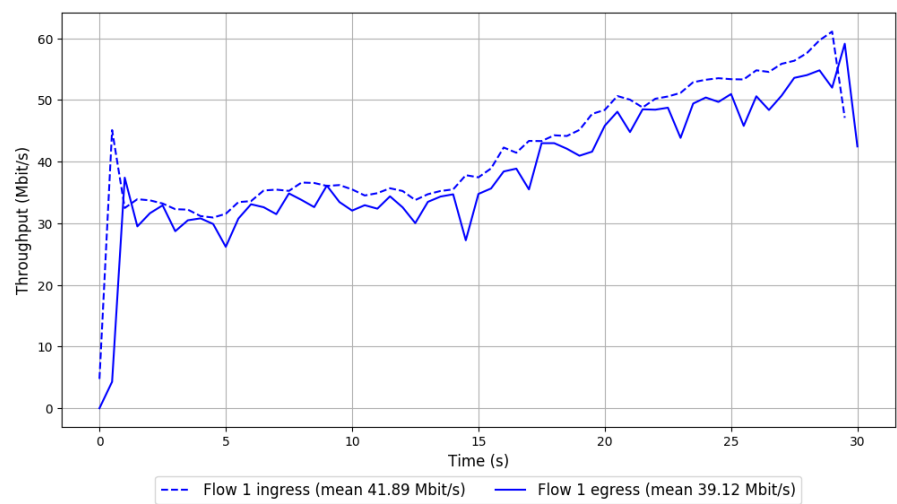
-- Flow 1:

Average throughput: 39.12 Mbit/s

95th percentile per-packet one-way delay: 14.419 ms

Loss rate: 6.60%

Run 1: Report of PCC-Allegro — Data Link



Run 2: Statistics of PCC-Allegro

Start at: 2018-05-24 03:52:27

End at: 2018-05-24 03:52:57

Local clock offset: 3.731 ms

Remote clock offset: -17.233 ms

Below is generated by plot.py at 2018-05-24 06:40:31

Datalink statistics

-- Total of 1 flow:

Average throughput: 72.17 Mbit/s

95th percentile per-packet one-way delay: 12.279 ms

Loss rate: 6.59%

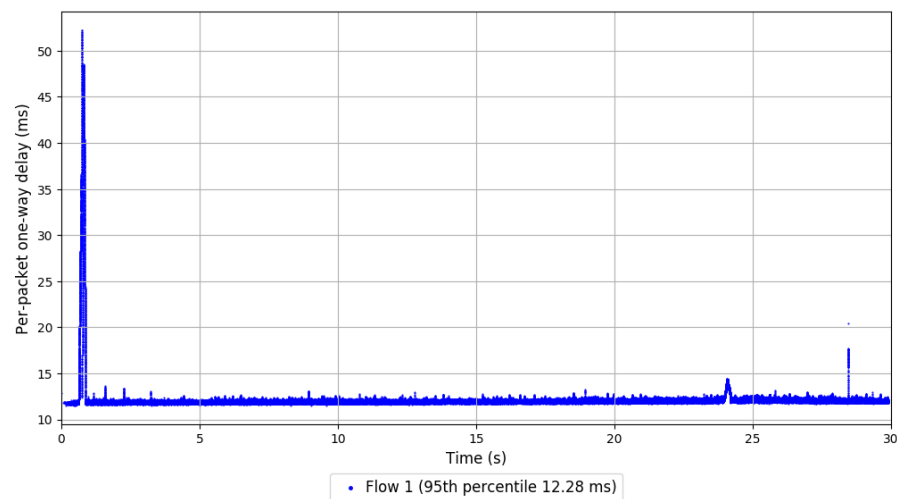
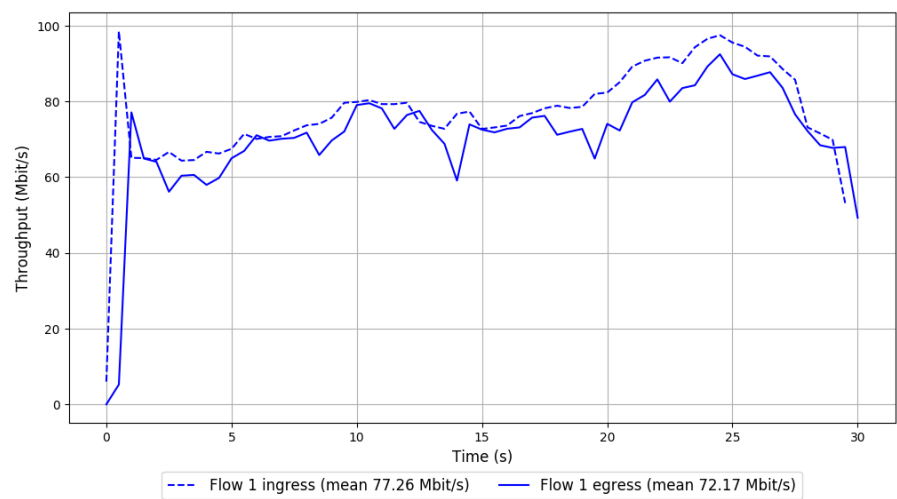
-- Flow 1:

Average throughput: 72.17 Mbit/s

95th percentile per-packet one-way delay: 12.279 ms

Loss rate: 6.59%

Run 2: Report of PCC-Allegro — Data Link

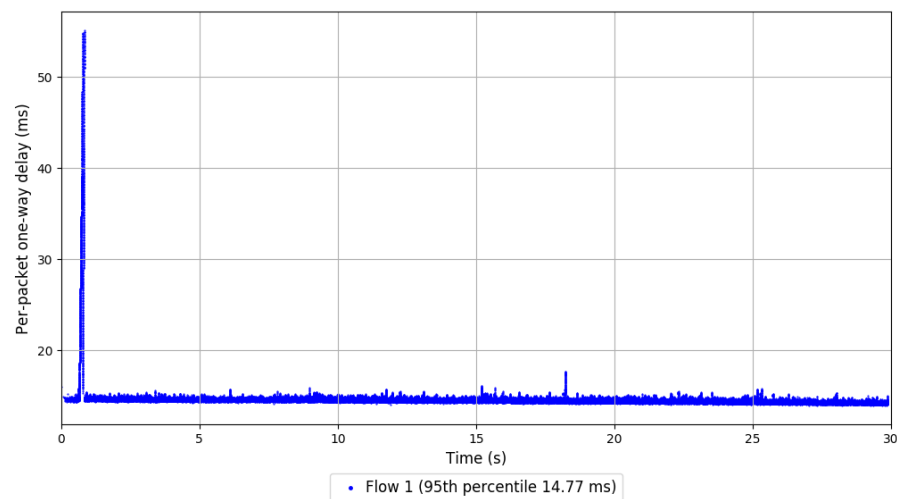
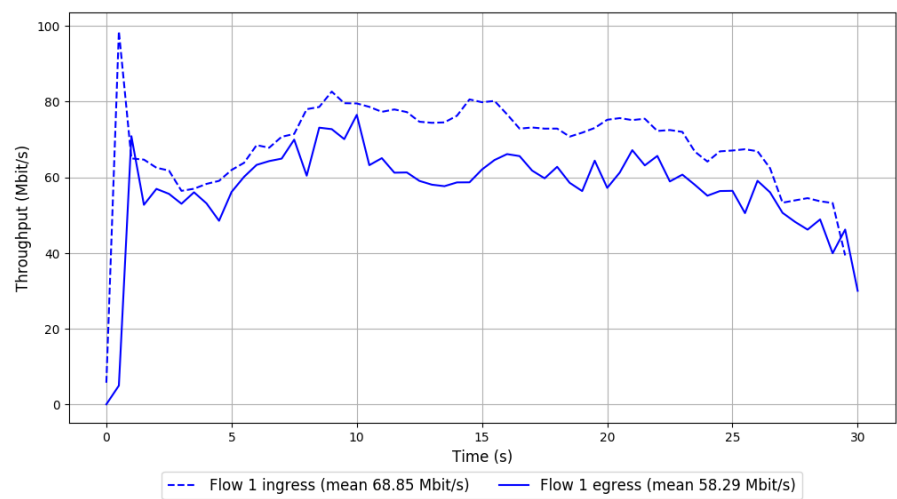


Run 3: Statistics of PCC-Allegro

Start at: 2018-05-24 04:10:51
End at: 2018-05-24 04:11:21
Local clock offset: -2.608 ms
Remote clock offset: -8.602 ms

Below is generated by plot.py at 2018-05-24 06:40:31
Datalink statistics
-- Total of 1 flow:
Average throughput: 58.29 Mbit/s
95th percentile per-packet one-way delay: 14.771 ms
Loss rate: 15.34%
-- Flow 1:
Average throughput: 58.29 Mbit/s
95th percentile per-packet one-way delay: 14.771 ms
Loss rate: 15.34%

Run 3: Report of PCC-Allegro — Data Link



Run 4: Statistics of PCC-Allegro

Start at: 2018-05-24 04:29:37

End at: 2018-05-24 04:30:07

Local clock offset: -2.515 ms

Remote clock offset: -1.928 ms

Below is generated by plot.py at 2018-05-24 06:40:31

Datalink statistics

-- Total of 1 flow:

Average throughput: 67.46 Mbit/s

95th percentile per-packet one-way delay: 15.548 ms

Loss rate: 7.24%

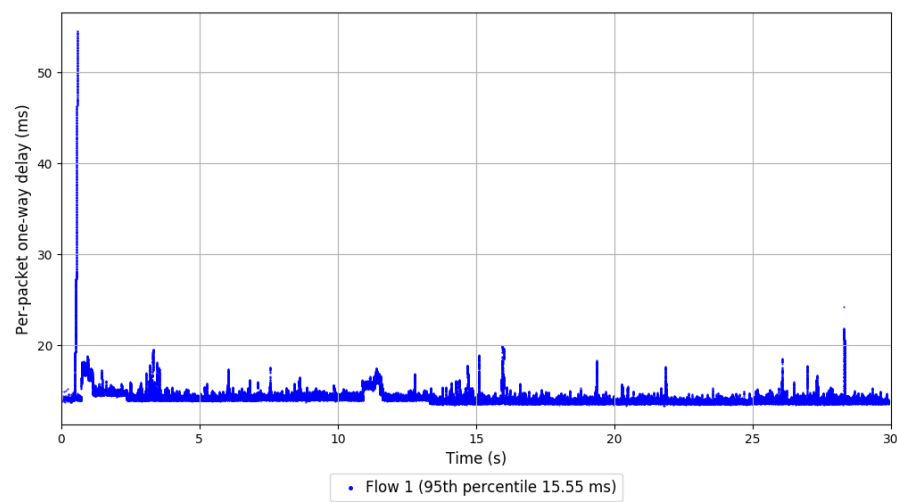
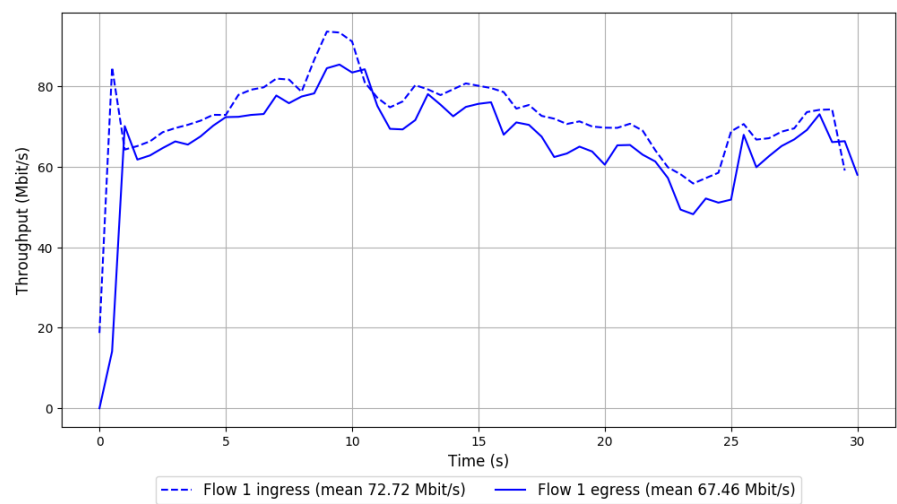
-- Flow 1:

Average throughput: 67.46 Mbit/s

95th percentile per-packet one-way delay: 15.548 ms

Loss rate: 7.24%

Run 4: Report of PCC-Allegro — Data Link



Run 5: Statistics of PCC-Allegro

Start at: 2018-05-24 04:47:37

End at: 2018-05-24 04:48:07

Local clock offset: -0.552 ms

Remote clock offset: 5.111 ms

Below is generated by plot.py at 2018-05-24 06:40:31

Datalink statistics

-- Total of 1 flow:

Average throughput: 27.66 Mbit/s

95th percentile per-packet one-way delay: 17.344 ms

Loss rate: 5.07%

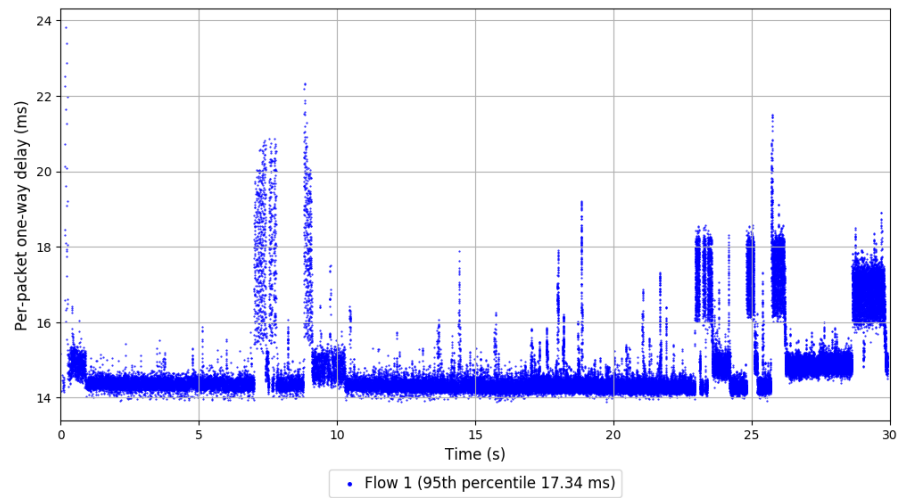
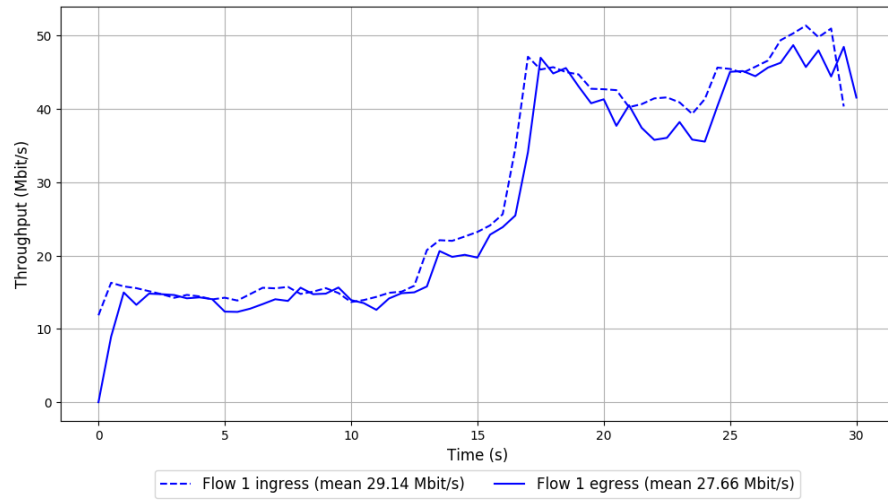
-- Flow 1:

Average throughput: 27.66 Mbit/s

95th percentile per-packet one-way delay: 17.344 ms

Loss rate: 5.07%

Run 5: Report of PCC-Allegro — Data Link



Run 6: Statistics of PCC-Allegro

Start at: 2018-05-24 05:06:07

End at: 2018-05-24 05:06:37

Local clock offset: 0.094 ms

Remote clock offset: 7.133 ms

Below is generated by plot.py at 2018-05-24 06:40:31

Datalink statistics

-- Total of 1 flow:

Average throughput: 31.15 Mbit/s

95th percentile per-packet one-way delay: 14.886 ms

Loss rate: 10.46%

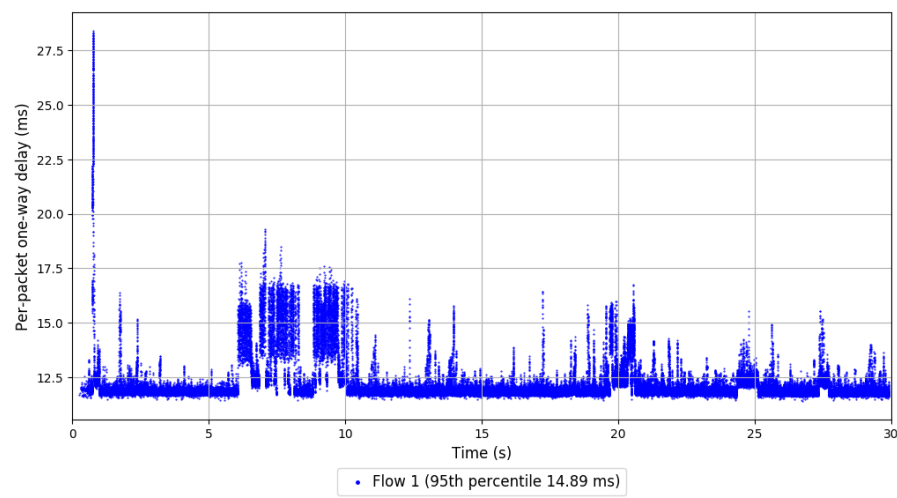
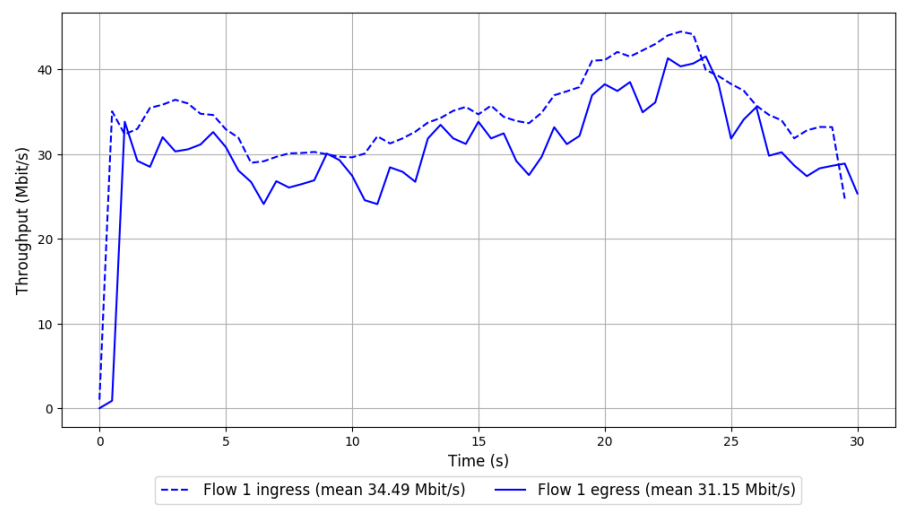
-- Flow 1:

Average throughput: 31.15 Mbit/s

95th percentile per-packet one-way delay: 14.886 ms

Loss rate: 10.46%

Run 6: Report of PCC-Allegro — Data Link

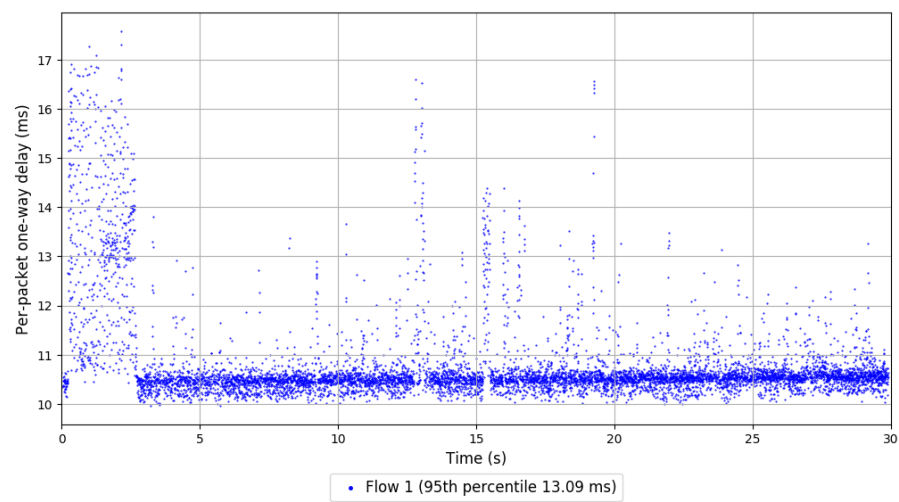
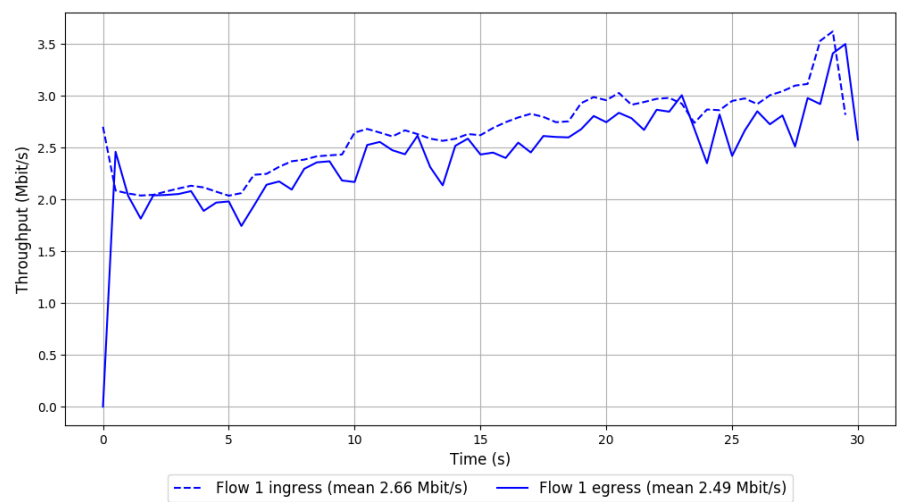


Run 7: Statistics of PCC-Allegro

Start at: 2018-05-24 05:24:05
End at: 2018-05-24 05:24:35
Local clock offset: 1.411 ms
Remote clock offset: -0.503 ms

Below is generated by plot.py at 2018-05-24 06:40:31
Datalink statistics
-- Total of 1 flow:
Average throughput: 2.49 Mbit/s
95th percentile per-packet one-way delay: 13.085 ms
Loss rate: 6.42%
-- Flow 1:
Average throughput: 2.49 Mbit/s
95th percentile per-packet one-way delay: 13.085 ms
Loss rate: 6.42%

Run 7: Report of PCC-Allegro — Data Link



Run 8: Statistics of PCC-Allegro

Start at: 2018-05-24 05:42:37

End at: 2018-05-24 05:43:07

Local clock offset: -0.509 ms

Remote clock offset: -0.72 ms

Below is generated by plot.py at 2018-05-24 06:40:31

Datalink statistics

-- Total of 1 flow:

Average throughput: 2.93 Mbit/s

95th percentile per-packet one-way delay: 15.468 ms

Loss rate: 3.80%

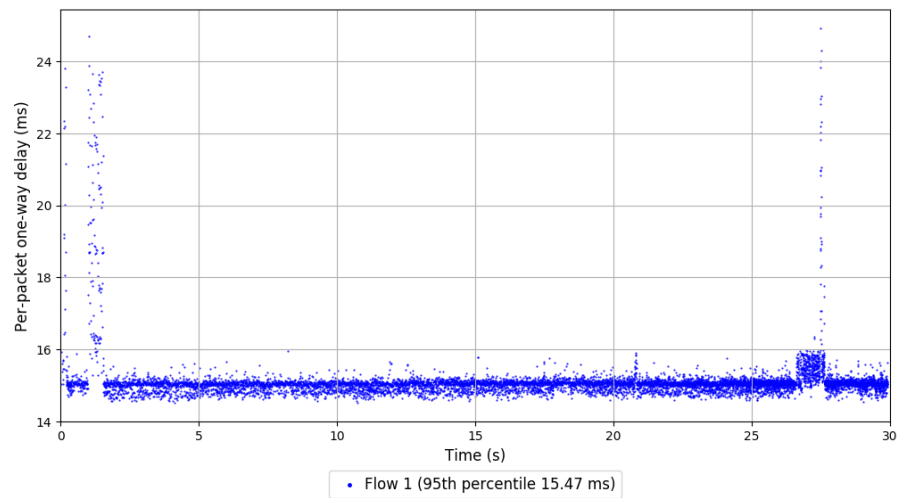
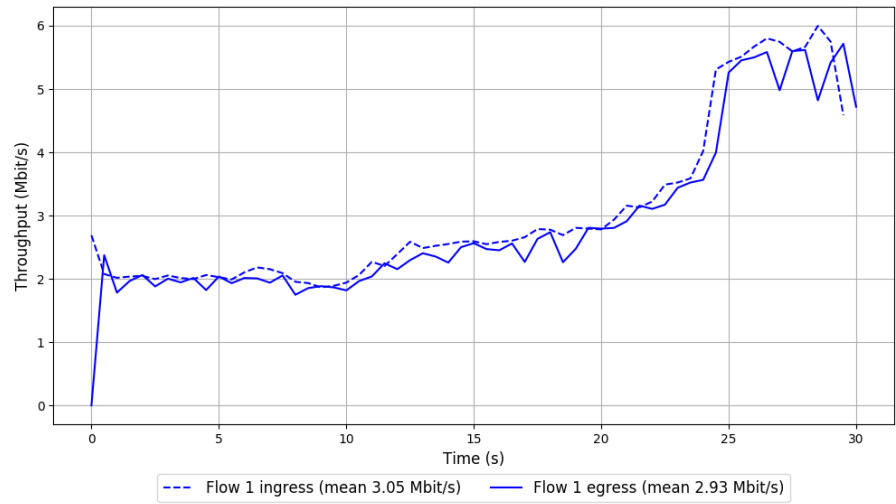
-- Flow 1:

Average throughput: 2.93 Mbit/s

95th percentile per-packet one-way delay: 15.468 ms

Loss rate: 3.80%

Run 8: Report of PCC-Allegro — Data Link



Run 9: Statistics of PCC-Allegro

Start at: 2018-05-24 06:00:32

End at: 2018-05-24 06:01:02

Local clock offset: 1.005 ms

Remote clock offset: 6.458 ms

Below is generated by plot.py at 2018-05-24 06:40:31

Datalink statistics

-- Total of 1 flow:

Average throughput: 54.09 Mbit/s

95th percentile per-packet one-way delay: 13.402 ms

Loss rate: 9.71%

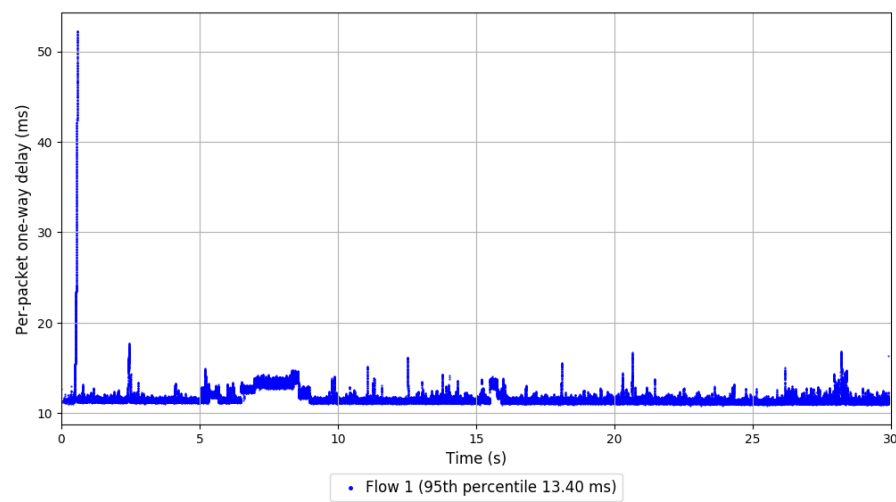
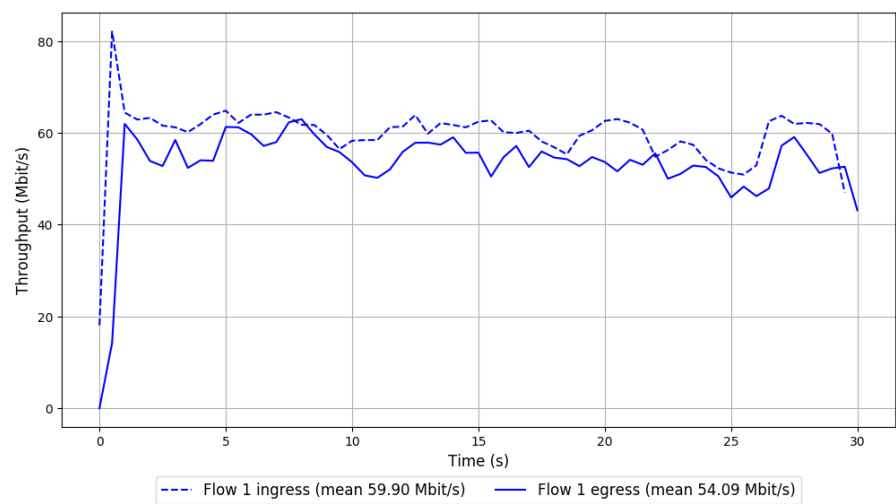
-- Flow 1:

Average throughput: 54.09 Mbit/s

95th percentile per-packet one-way delay: 13.402 ms

Loss rate: 9.71%

Run 9: Report of PCC-Allegro — Data Link



Run 10: Statistics of PCC-Allegro

Start at: 2018-05-24 06:18:28

End at: 2018-05-24 06:18:58

Local clock offset: -2.19 ms

Remote clock offset: 9.052 ms

Below is generated by plot.py at 2018-05-24 06:40:31

Datalink statistics

-- Total of 1 flow:

Average throughput: 33.98 Mbit/s

95th percentile per-packet one-way delay: 15.682 ms

Loss rate: 8.82%

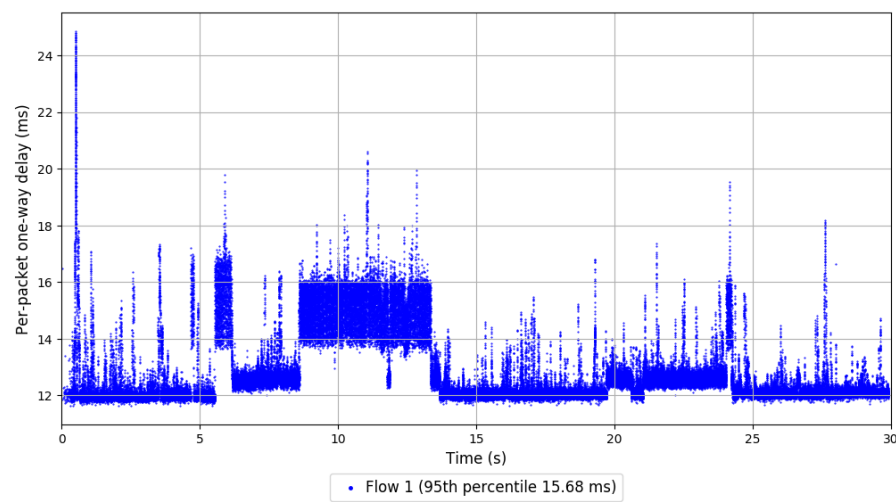
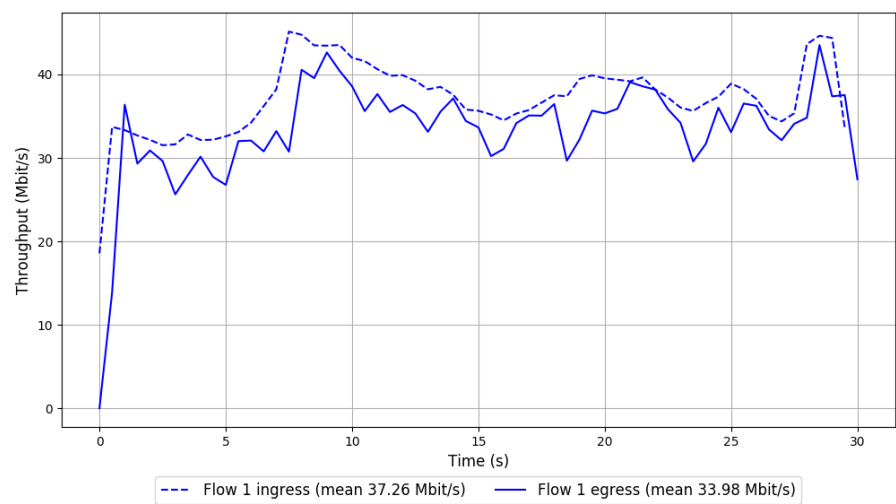
-- Flow 1:

Average throughput: 33.98 Mbit/s

95th percentile per-packet one-way delay: 15.682 ms

Loss rate: 8.82%

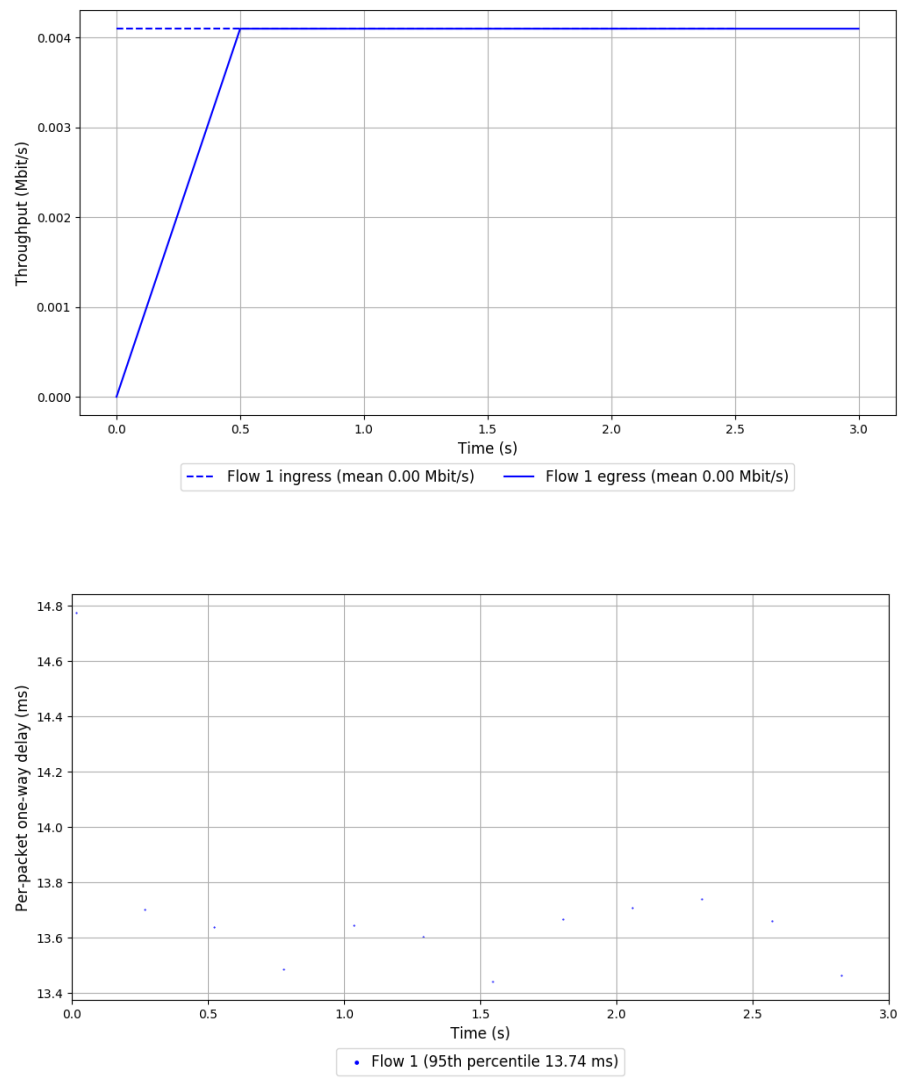
Run 10: Report of PCC-Allegro — Data Link



Run 1: Statistics of PCC-Expr

Start at: 2018-05-24 03:44:27
End at: 2018-05-24 03:44:57
Local clock offset: -0.756 ms
Remote clock offset: -15.155 ms

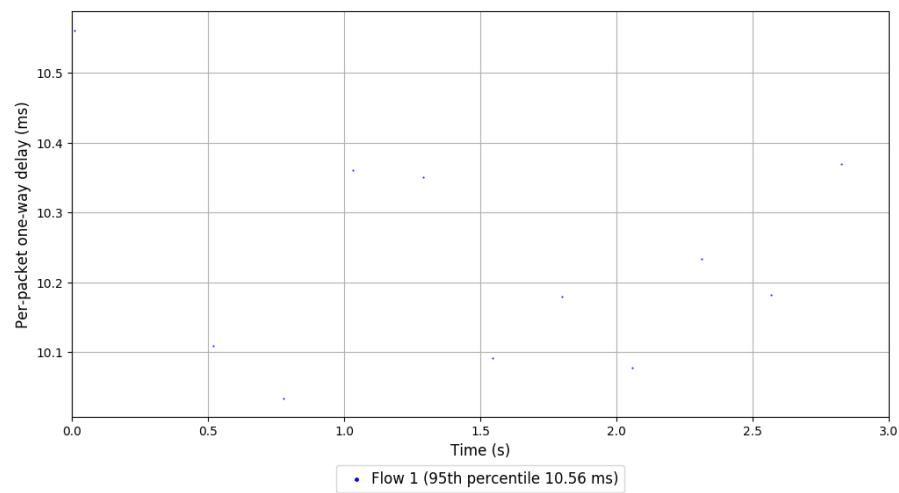
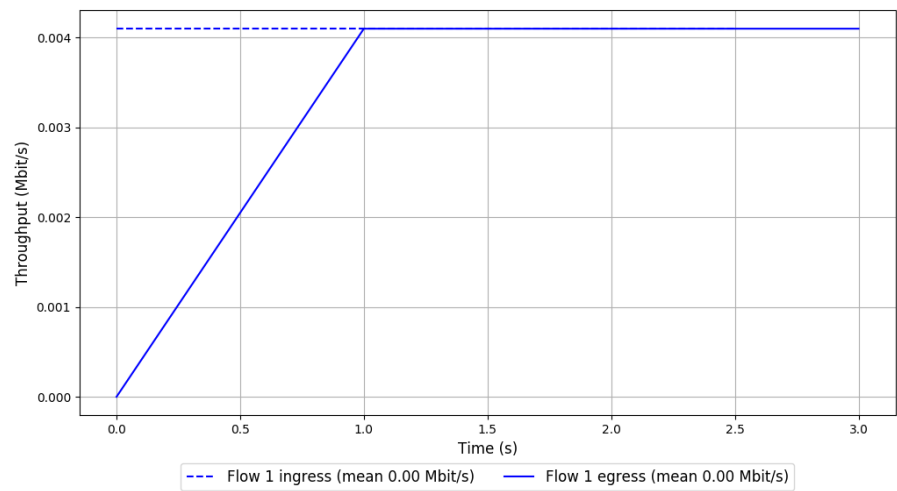
Run 1: Report of PCC-Expr — Data Link



Run 2: Statistics of PCC-Expr

Start at: 2018-05-24 04:02:56
End at: 2018-05-24 04:03:26
Local clock offset: 1.033 ms
Remote clock offset: -19.445 ms

Run 2: Report of PCC-Expr — Data Link



Run 3: Statistics of PCC-Expr

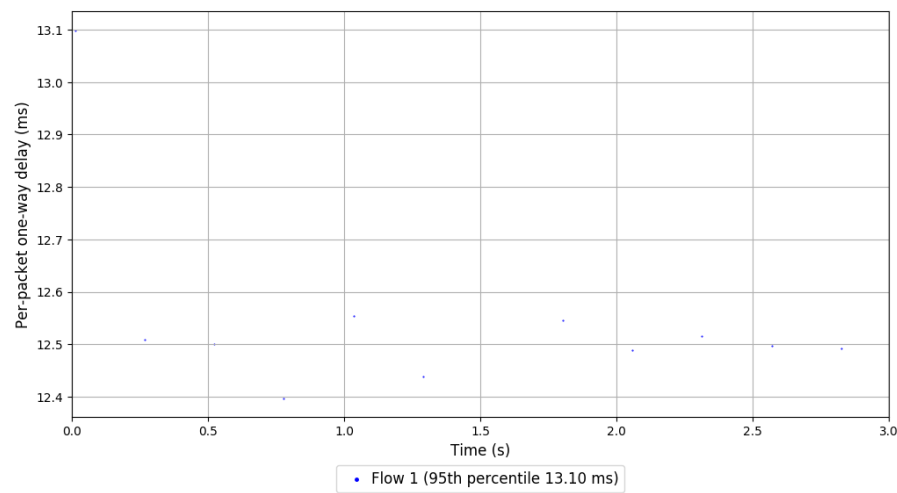
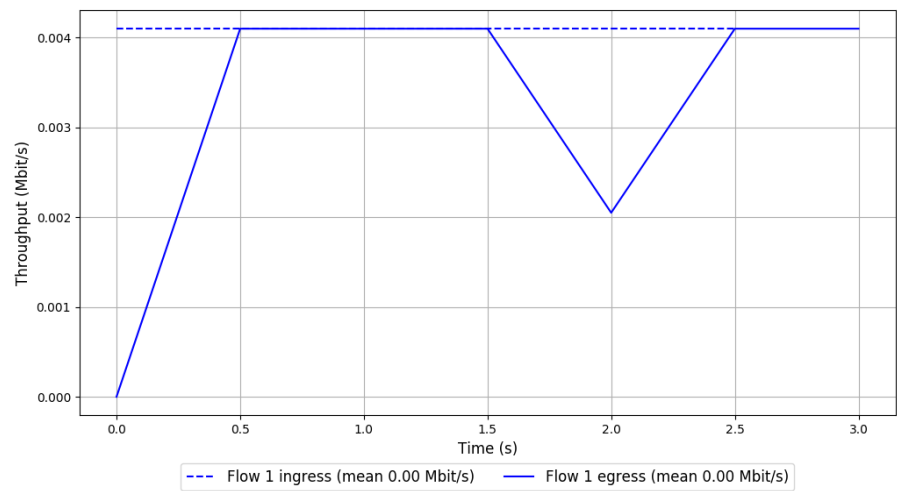
Start at: 2018-05-24 04:21:48

End at: 2018-05-24 04:22:18

Local clock offset: -1.515 ms

Remote clock offset: -3.852 ms

Run 3: Report of PCC-Expr — Data Link



Run 4: Statistics of PCC-Expr

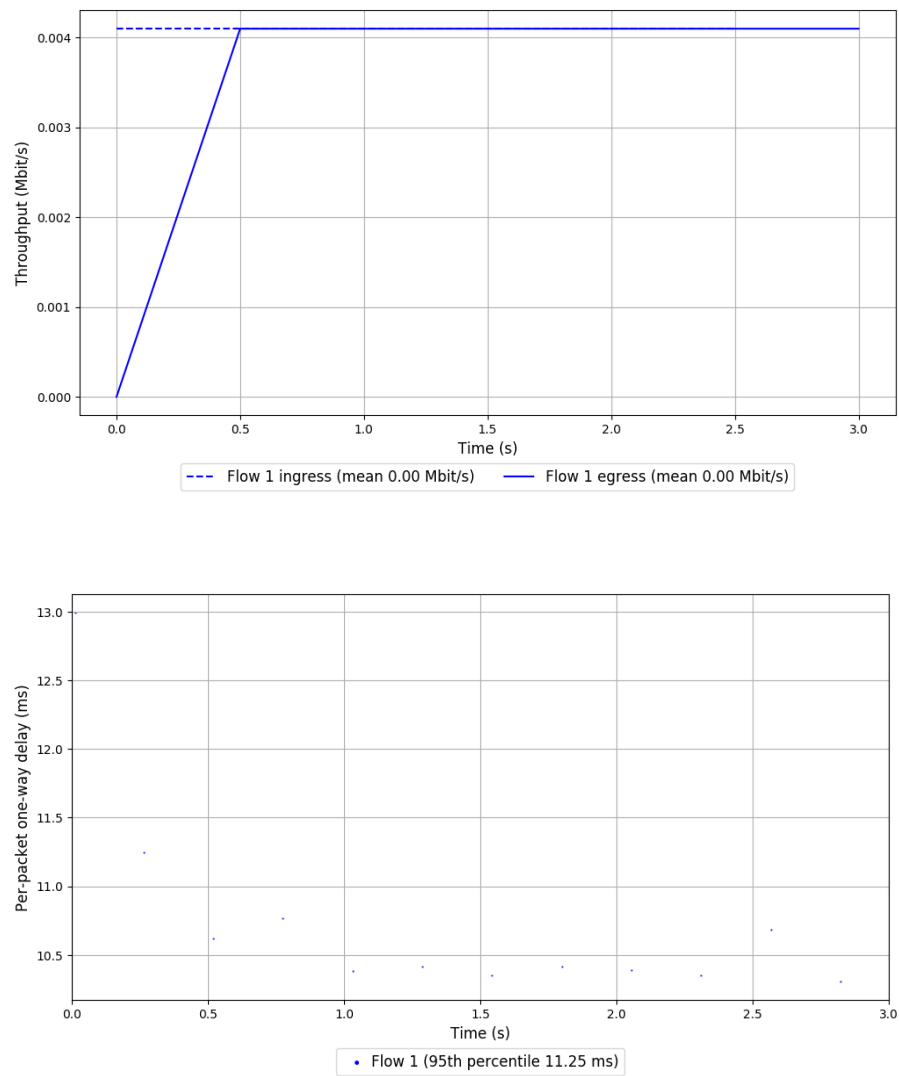
Start at: 2018-05-24 04:39:47

End at: 2018-05-24 04:40:17

Local clock offset: 2.054 ms

Remote clock offset: 1.231 ms

Run 4: Report of PCC-Expr — Data Link



Run 5: Statistics of PCC-Expr

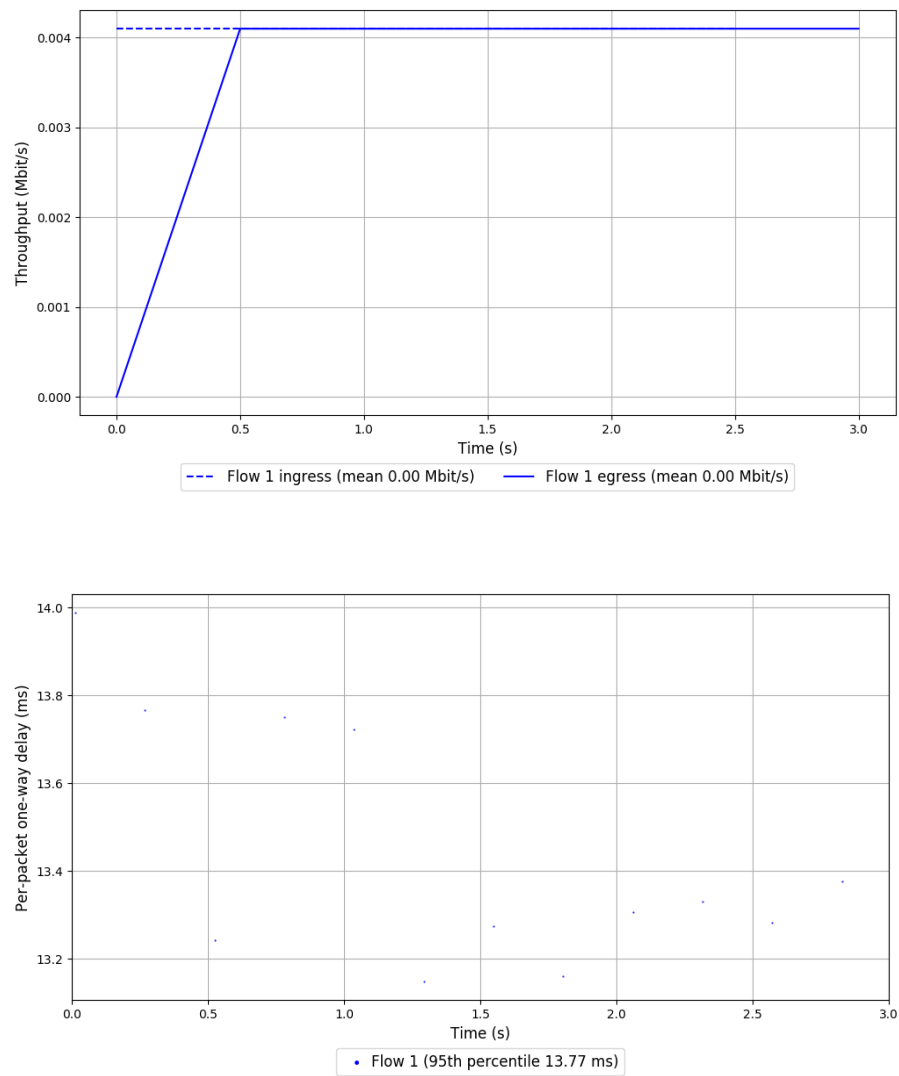
Start at: 2018-05-24 04:58:06

End at: 2018-05-24 04:58:36

Local clock offset: 1.828 ms

Remote clock offset: 7.671 ms

Run 5: Report of PCC-Expr — Data Link



Run 6: Statistics of PCC-Expr

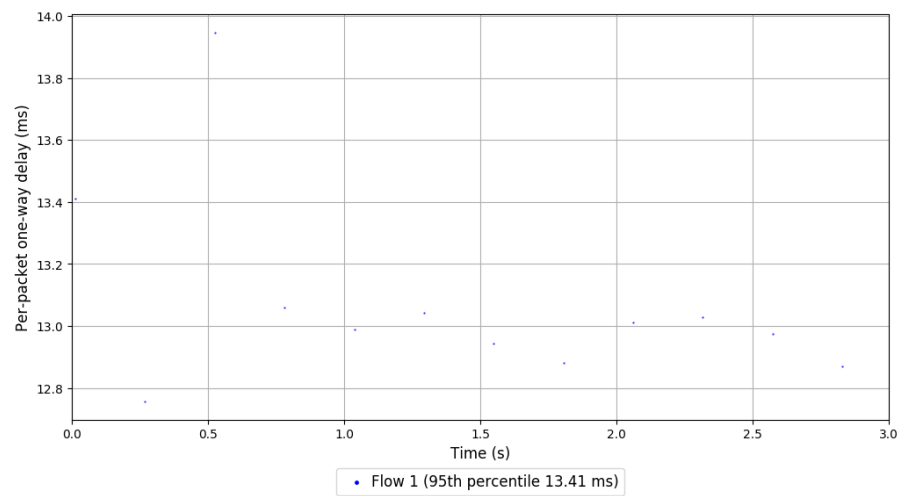
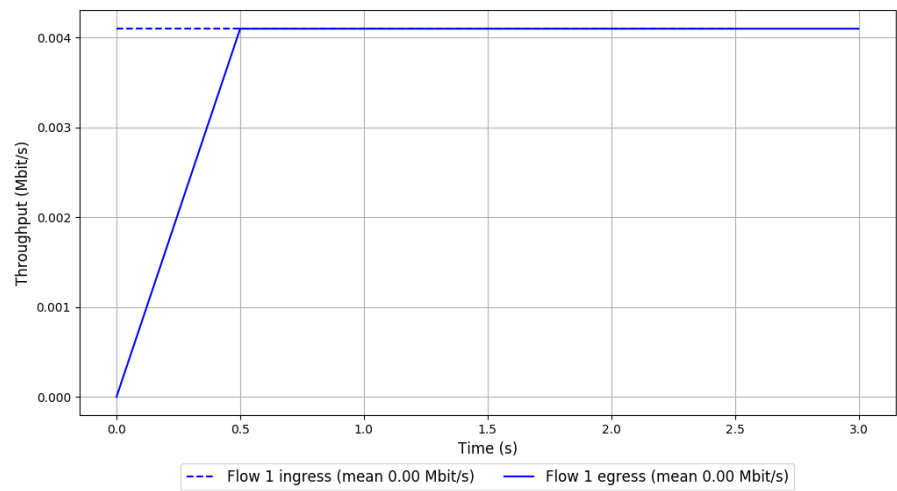
Start at: 2018-05-24 05:16:19

End at: 2018-05-24 05:16:49

Local clock offset: -0.008 ms

Remote clock offset: 3.934 ms

Run 6: Report of PCC-Expr — Data Link



Run 7: Statistics of PCC-Expr

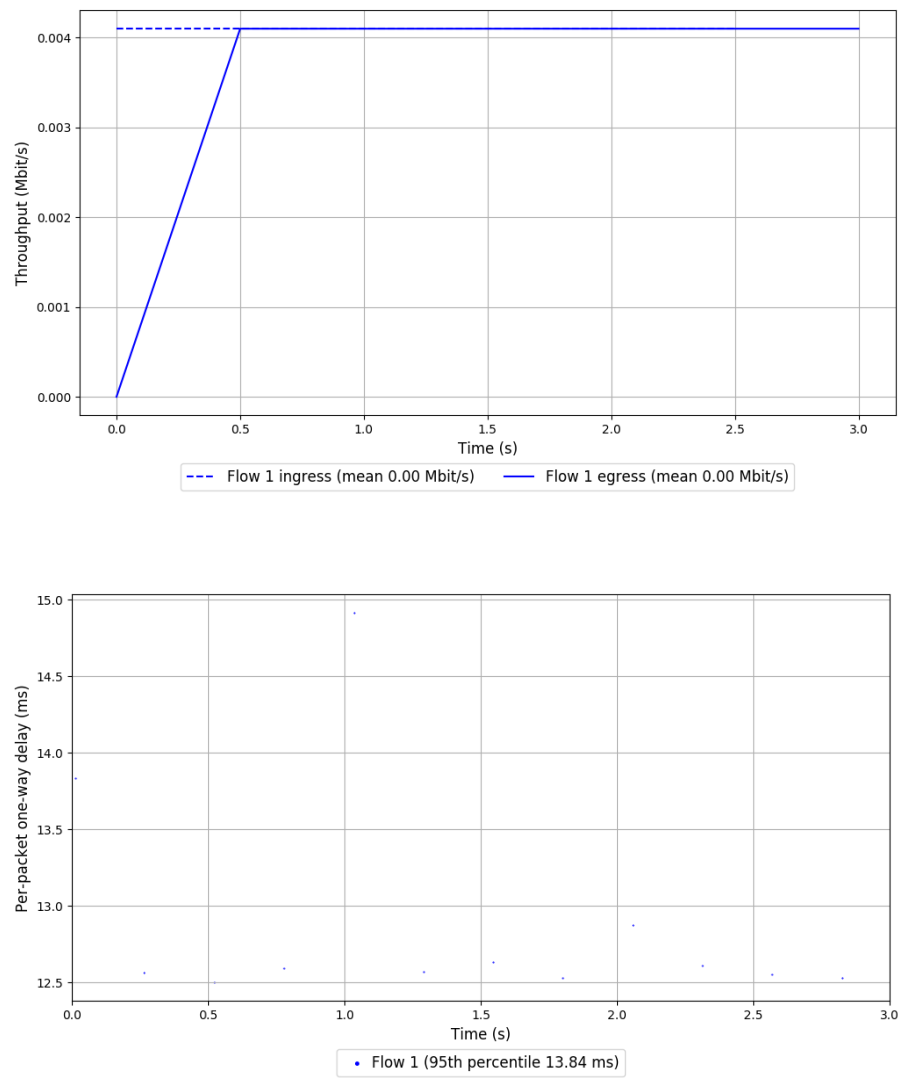
Start at: 2018-05-24 05:34:35

End at: 2018-05-24 05:35:05

Local clock offset: 1.43 ms

Remote clock offset: -0.232 ms

Run 7: Report of PCC-Expr — Data Link



Run 8: Statistics of PCC-Expr

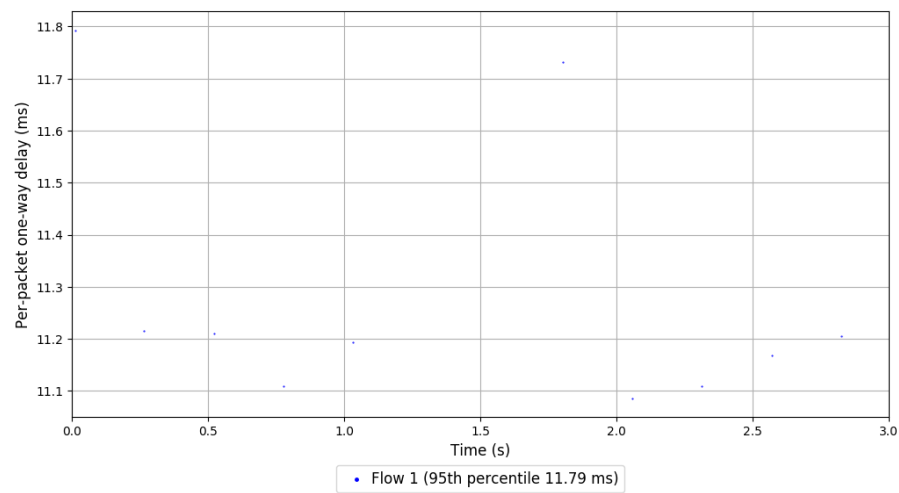
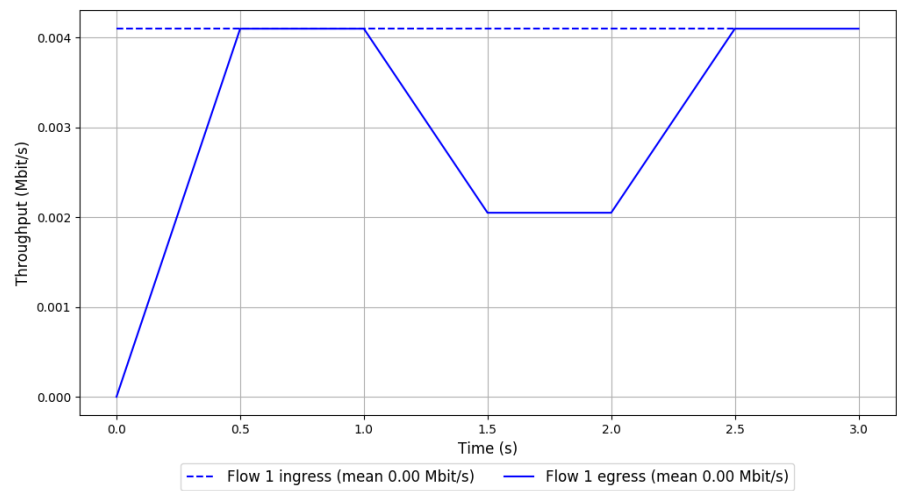
Start at: 2018-05-24 05:52:48

End at: 2018-05-24 05:53:18

Local clock offset: 1.626 ms

Remote clock offset: 3.191 ms

Run 8: Report of PCC-Expr — Data Link



Run 9: Statistics of PCC-Expr

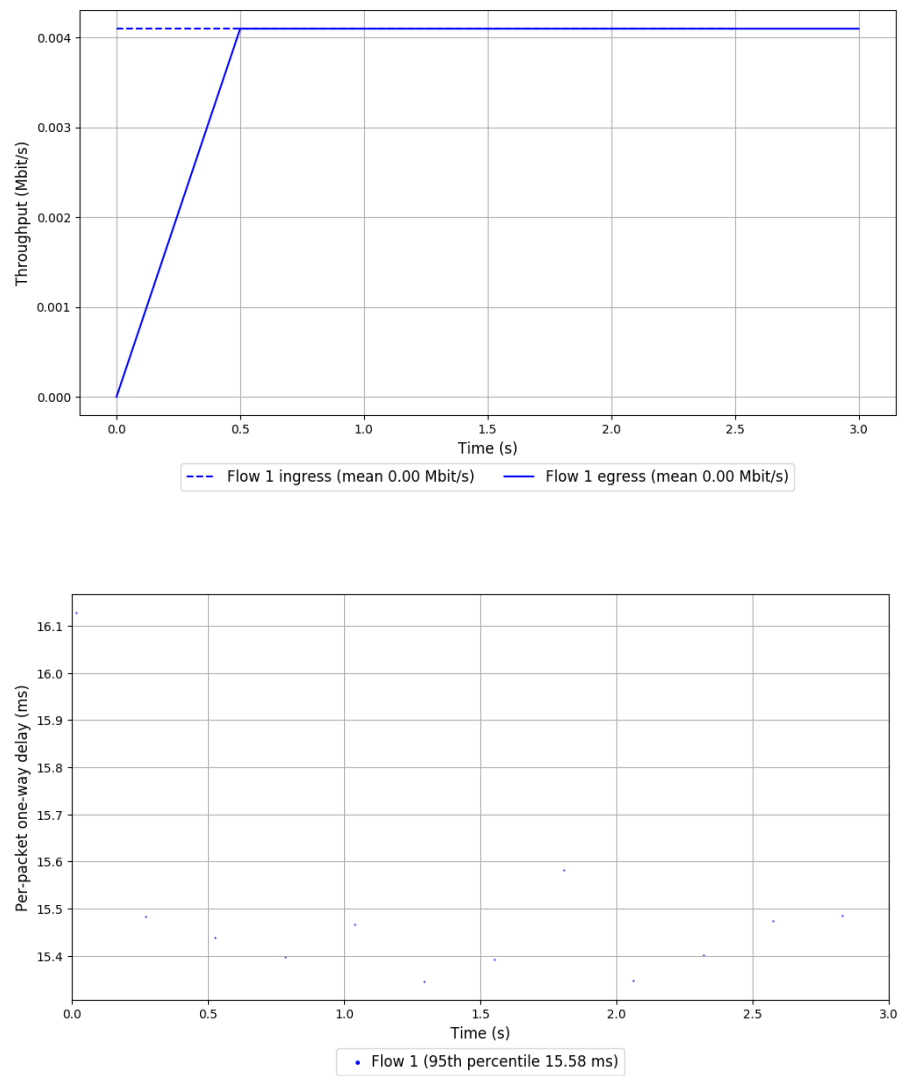
Start at: 2018-05-24 06:10:42

End at: 2018-05-24 06:11:12

Local clock offset: -4.371 ms

Remote clock offset: 8.683 ms

Run 9: Report of PCC-Expr — Data Link



Run 10: Statistics of PCC-Expr

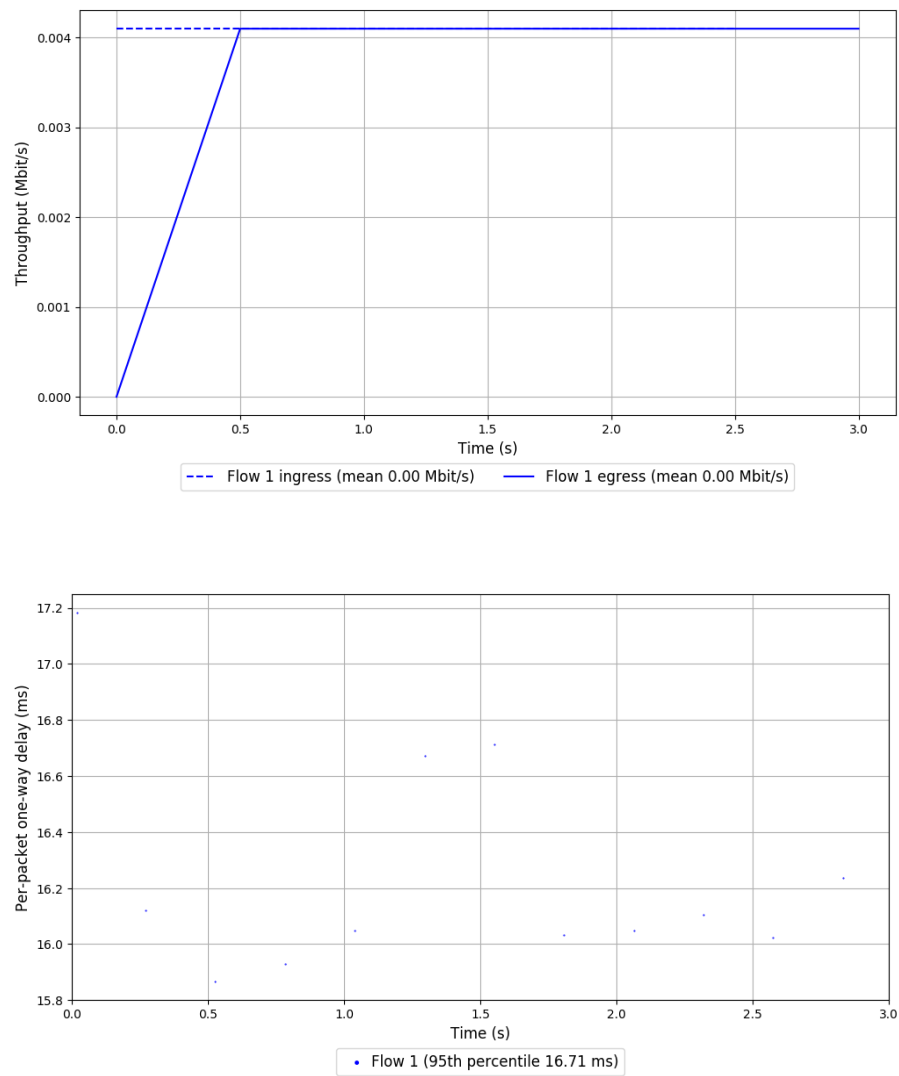
Start at: 2018-05-24 06:29:02

End at: 2018-05-24 06:29:32

Local clock offset: -1.953 ms

Remote clock offset: 7.46 ms

Run 10: Report of PCC-Expr — Data Link

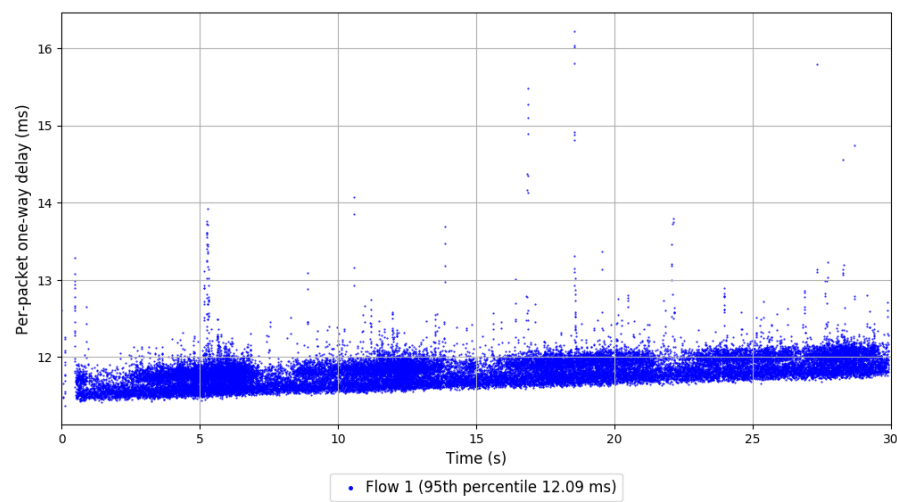
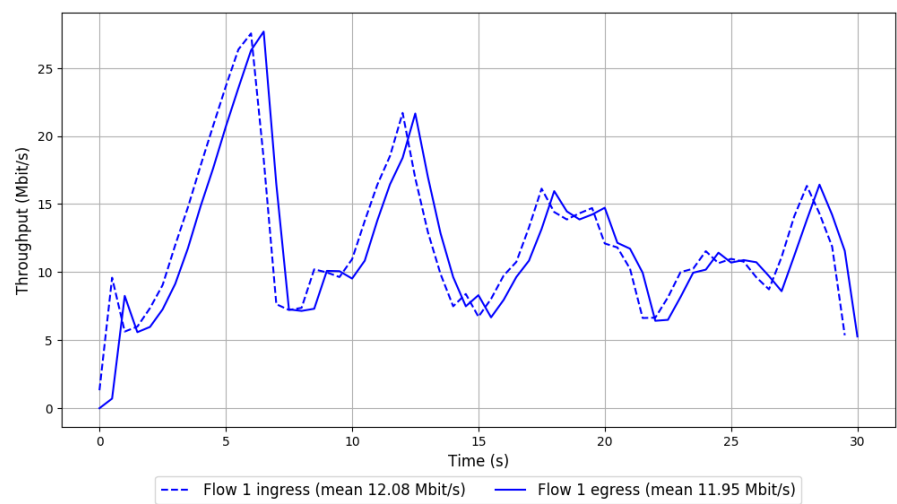


Run 1: Statistics of QUIC Cubic

Start at: 2018-05-24 03:38:53
End at: 2018-05-24 03:39:23
Local clock offset: 0.897 ms
Remote clock offset: -12.425 ms

Below is generated by plot.py at 2018-05-24 06:40:31
Datalink statistics
-- Total of 1 flow:
Average throughput: 11.95 Mbit/s
95th percentile per-packet one-way delay: 12.086 ms
Loss rate: 1.05%
-- Flow 1:
Average throughput: 11.95 Mbit/s
95th percentile per-packet one-way delay: 12.086 ms
Loss rate: 1.05%

Run 1: Report of QUIC Cubic — Data Link

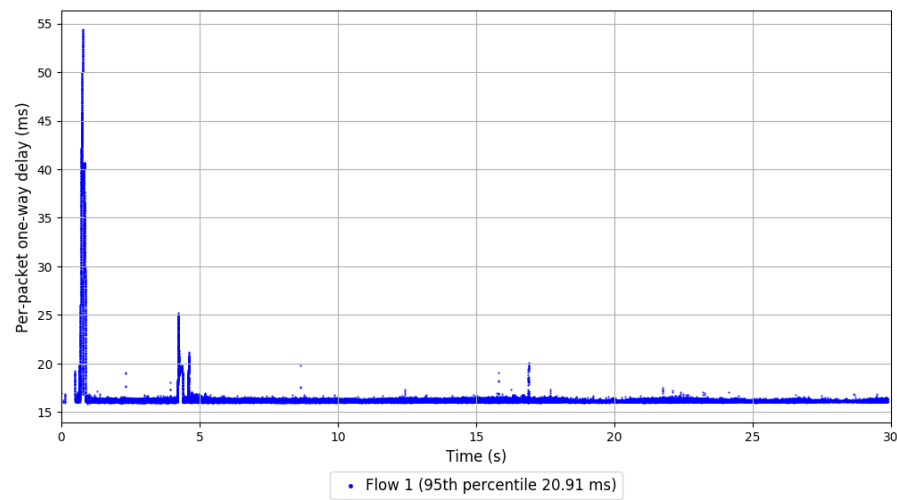
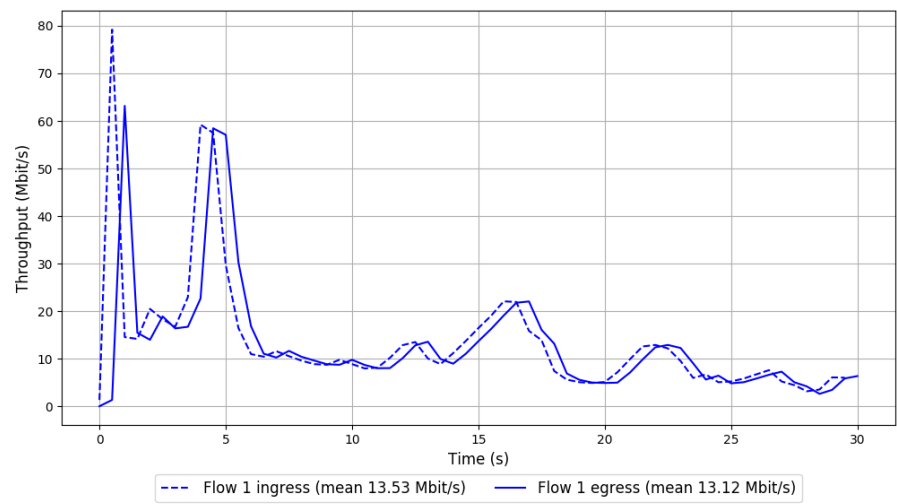


Run 2: Statistics of QUIC Cubic

Start at: 2018-05-24 03:57:10
End at: 2018-05-24 03:57:40
Local clock offset: -0.232 ms
Remote clock offset: -17.95 ms

Below is generated by plot.py at 2018-05-24 06:40:31
Datalink statistics
-- Total of 1 flow:
Average throughput: 13.12 Mbit/s
95th percentile per-packet one-way delay: 20.915 ms
Loss rate: 3.04%
-- Flow 1:
Average throughput: 13.12 Mbit/s
95th percentile per-packet one-way delay: 20.915 ms
Loss rate: 3.04%

Run 2: Report of QUIC Cubic — Data Link



Run 3: Statistics of QUIC Cubic

Start at: 2018-05-24 04:15:58

End at: 2018-05-24 04:16:28

Local clock offset: -3.159 ms

Remote clock offset: -6.003 ms

Below is generated by plot.py at 2018-05-24 06:40:31

Datalink statistics

-- Total of 1 flow:

Average throughput: 5.39 Mbit/s

95th percentile per-packet one-way delay: 16.441 ms

Loss rate: 5.54%

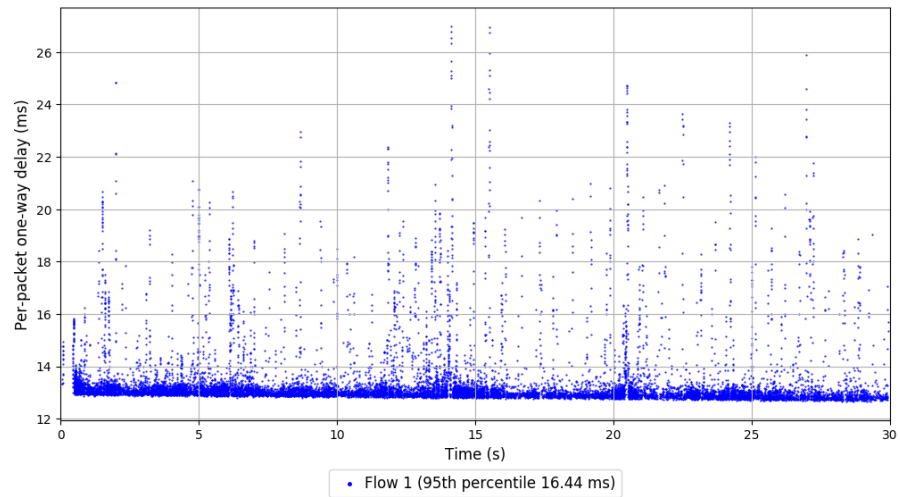
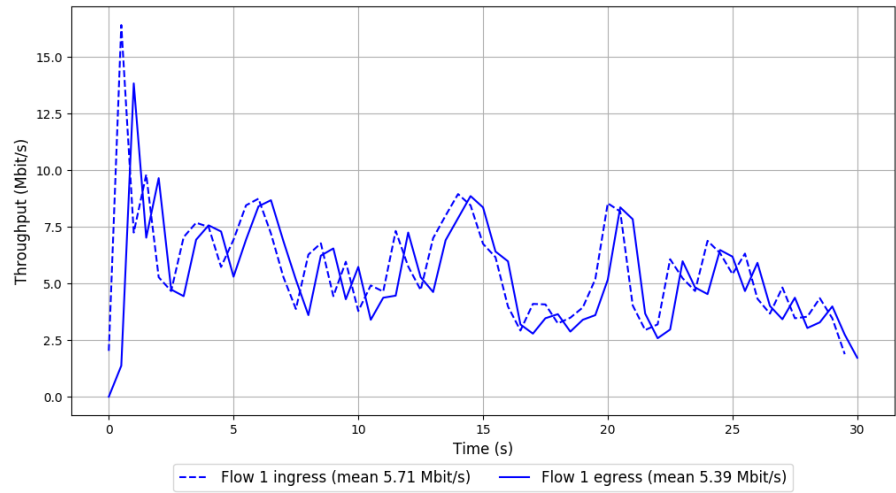
-- Flow 1:

Average throughput: 5.39 Mbit/s

95th percentile per-packet one-way delay: 16.441 ms

Loss rate: 5.54%

Run 3: Report of QUIC Cubic — Data Link



Run 4: Statistics of QUIC Cubic

Start at: 2018-05-24 04:34:15

End at: 2018-05-24 04:34:45

Local clock offset: -3.79 ms

Remote clock offset: -0.382 ms

Below is generated by plot.py at 2018-05-24 06:40:31

Datalink statistics

-- Total of 1 flow:

Average throughput: 17.39 Mbit/s

95th percentile per-packet one-way delay: 23.709 ms

Loss rate: 1.08%

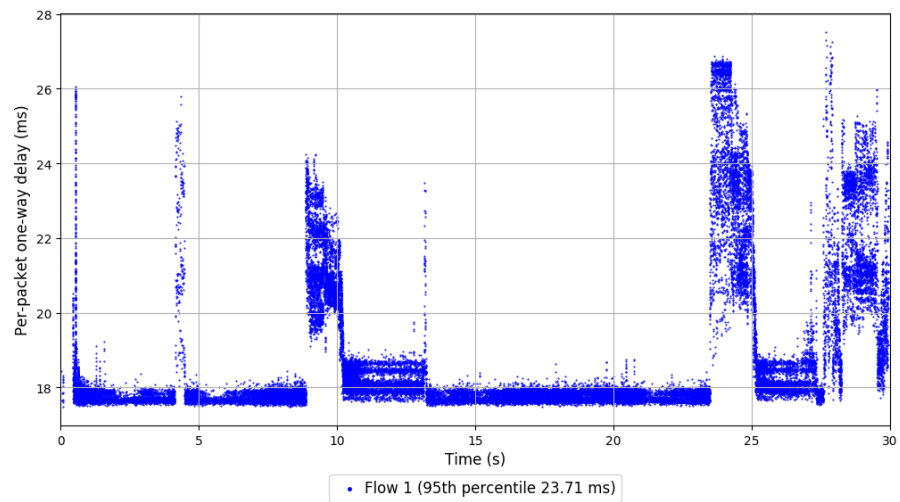
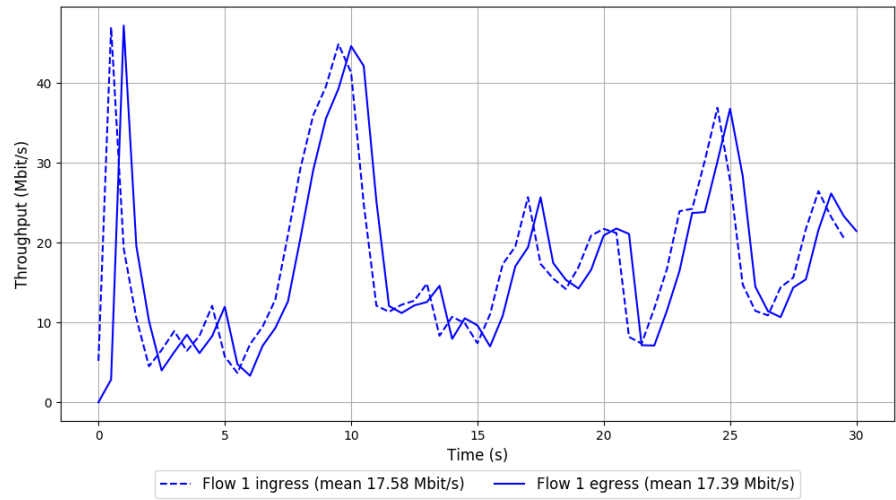
-- Flow 1:

Average throughput: 17.39 Mbit/s

95th percentile per-packet one-way delay: 23.709 ms

Loss rate: 1.08%

Run 4: Report of QUIC Cubic — Data Link



Run 5: Statistics of QUIC Cubic

Start at: 2018-05-24 04:52:30

End at: 2018-05-24 04:53:00

Local clock offset: 1.265 ms

Remote clock offset: 4.906 ms

Below is generated by plot.py at 2018-05-24 06:40:31

Datalink statistics

-- Total of 1 flow:

Average throughput: 18.01 Mbit/s

95th percentile per-packet one-way delay: 12.583 ms

Loss rate: 0.90%

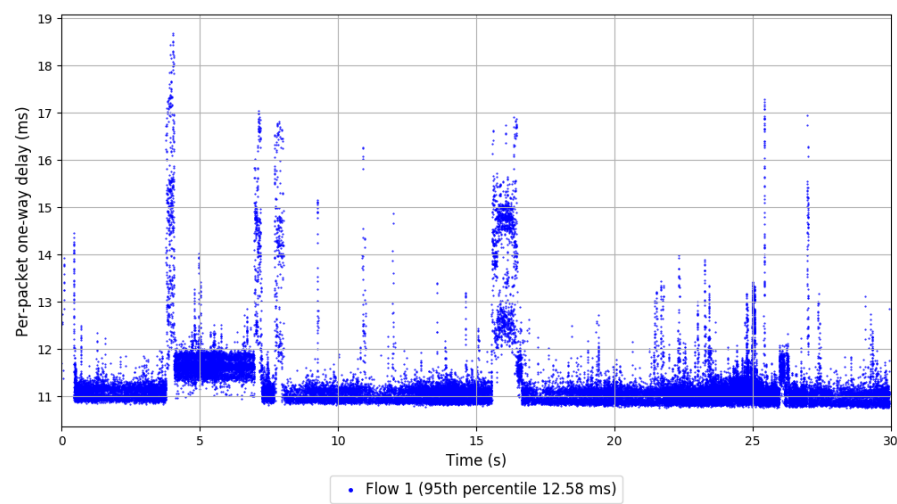
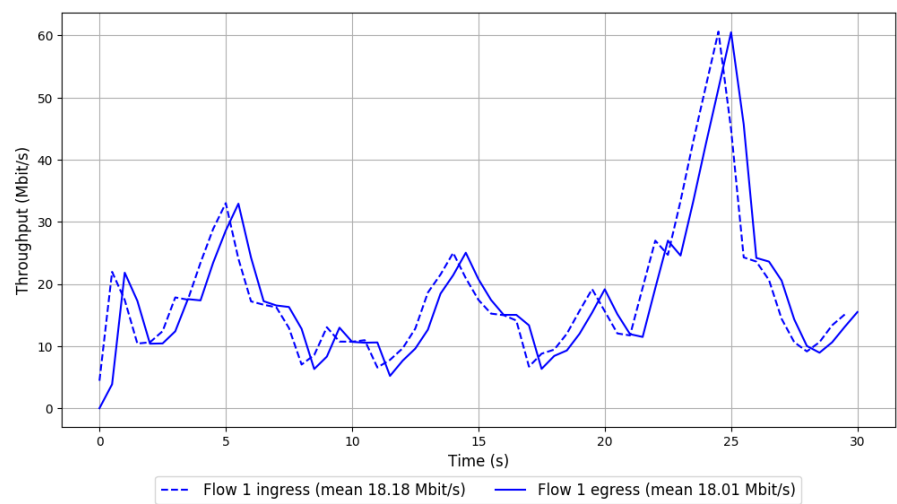
-- Flow 1:

Average throughput: 18.01 Mbit/s

95th percentile per-packet one-way delay: 12.583 ms

Loss rate: 0.90%

Run 5: Report of QUIC Cubic — Data Link



Run 6: Statistics of QUIC Cubic

Start at: 2018-05-24 05:10:41

End at: 2018-05-24 05:11:11

Local clock offset: -2.744 ms

Remote clock offset: 8.905 ms

Below is generated by plot.py at 2018-05-24 06:40:31

Datalink statistics

-- Total of 1 flow:

Average throughput: 6.04 Mbit/s

95th percentile per-packet one-way delay: 18.269 ms

Loss rate: 5.28%

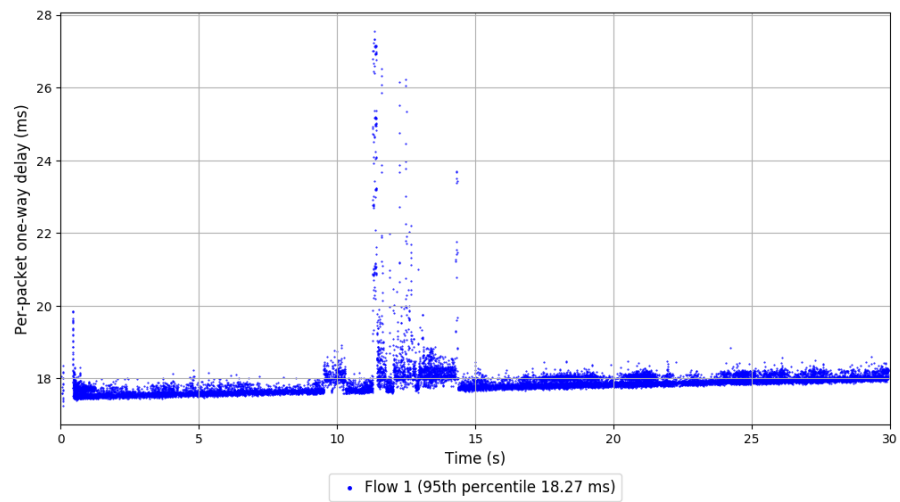
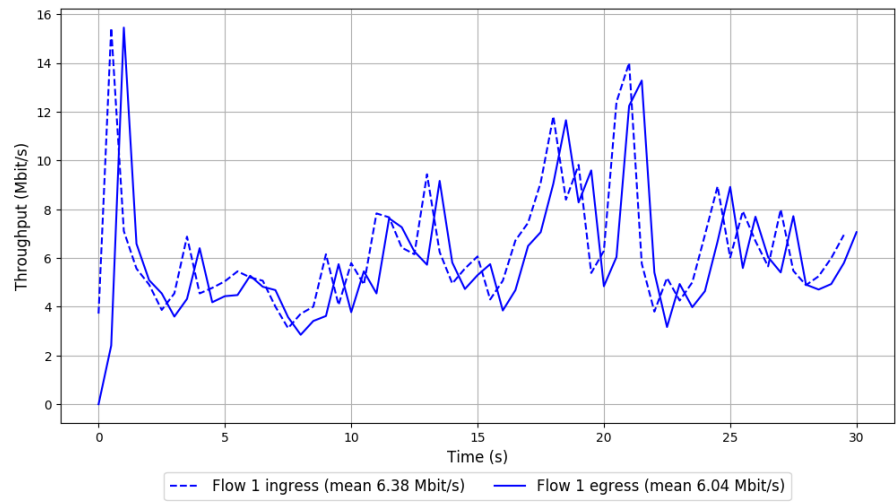
-- Flow 1:

Average throughput: 6.04 Mbit/s

95th percentile per-packet one-way delay: 18.269 ms

Loss rate: 5.28%

Run 6: Report of QUIC Cubic — Data Link



Run 7: Statistics of QUIC Cubic

Start at: 2018-05-24 05:28:41

End at: 2018-05-24 05:29:11

Local clock offset: -0.535 ms

Remote clock offset: -0.74 ms

Below is generated by plot.py at 2018-05-24 06:40:31

Datalink statistics

-- Total of 1 flow:

Average throughput: 10.51 Mbit/s

95th percentile per-packet one-way delay: 13.924 ms

Loss rate: 2.38%

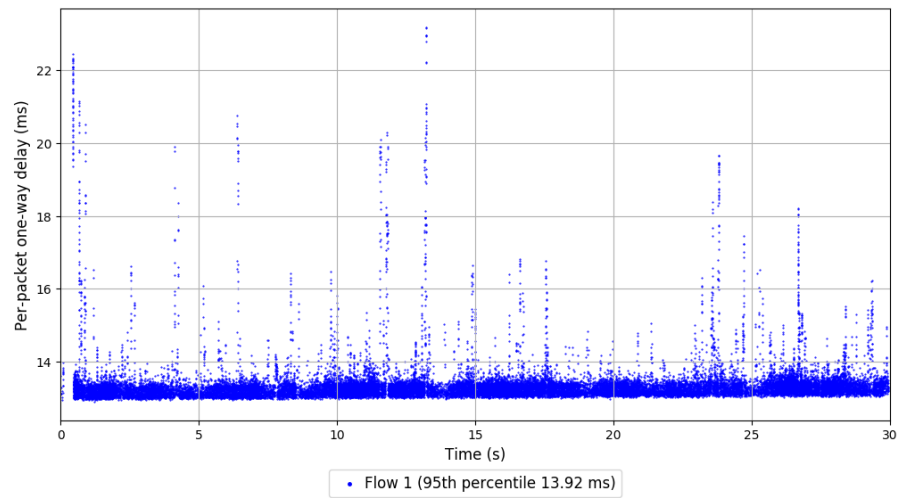
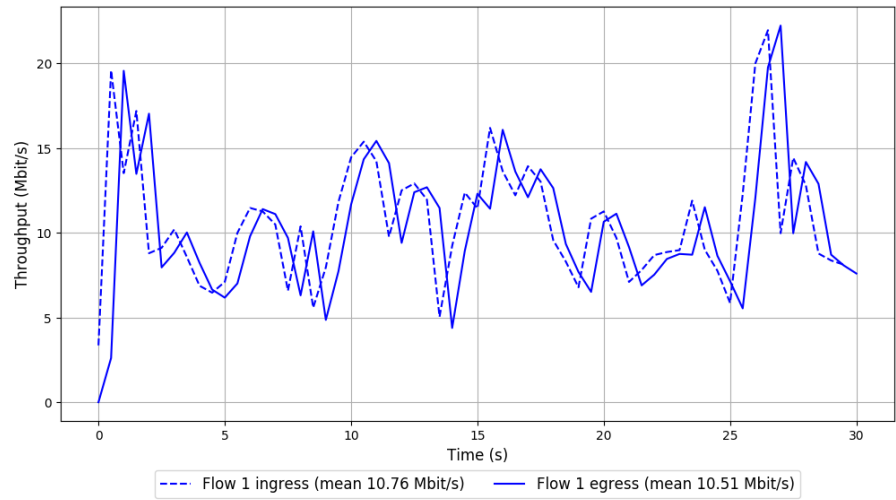
-- Flow 1:

Average throughput: 10.51 Mbit/s

95th percentile per-packet one-way delay: 13.924 ms

Loss rate: 2.38%

Run 7: Report of QUIC Cubic — Data Link



Run 8: Statistics of QUIC Cubic

Start at: 2018-05-24 05:47:08

End at: 2018-05-24 05:47:39

Local clock offset: 0.939 ms

Remote clock offset: -0.088 ms

Below is generated by plot.py at 2018-05-24 06:40:31

Datalink statistics

-- Total of 1 flow:

Average throughput: 9.43 Mbit/s

95th percentile per-packet one-way delay: 15.333 ms

Loss rate: 4.71%

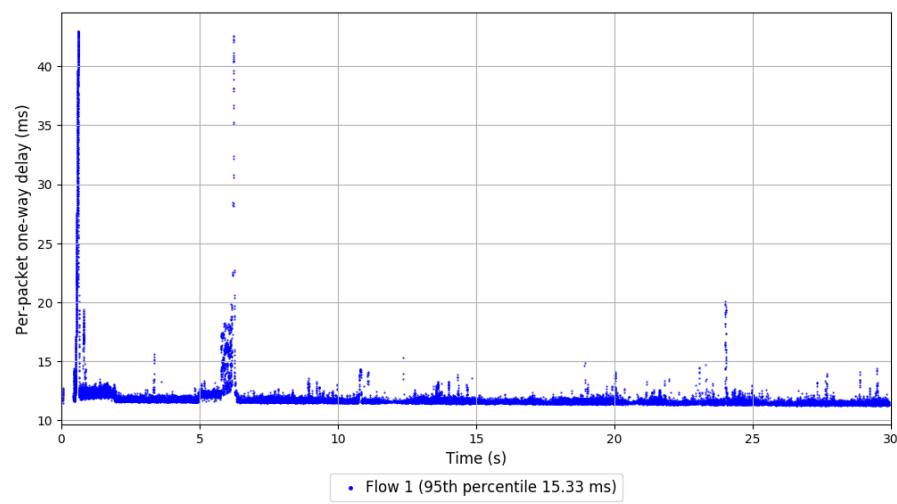
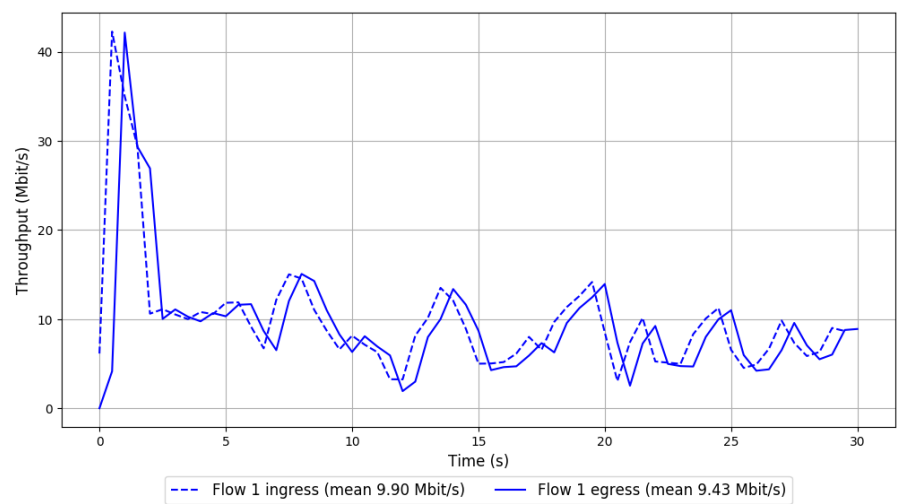
-- Flow 1:

Average throughput: 9.43 Mbit/s

95th percentile per-packet one-way delay: 15.333 ms

Loss rate: 4.71%

Run 8: Report of QUIC Cubic — Data Link



Run 9: Statistics of QUIC Cubic

Start at: 2018-05-24 06:05:04

End at: 2018-05-24 06:05:34

Local clock offset: -0.036 ms

Remote clock offset: 7.847 ms

Below is generated by plot.py at 2018-05-24 06:40:31

Datalink statistics

-- Total of 1 flow:

Average throughput: 8.47 Mbit/s

95th percentile per-packet one-way delay: 16.826 ms

Loss rate: 2.85%

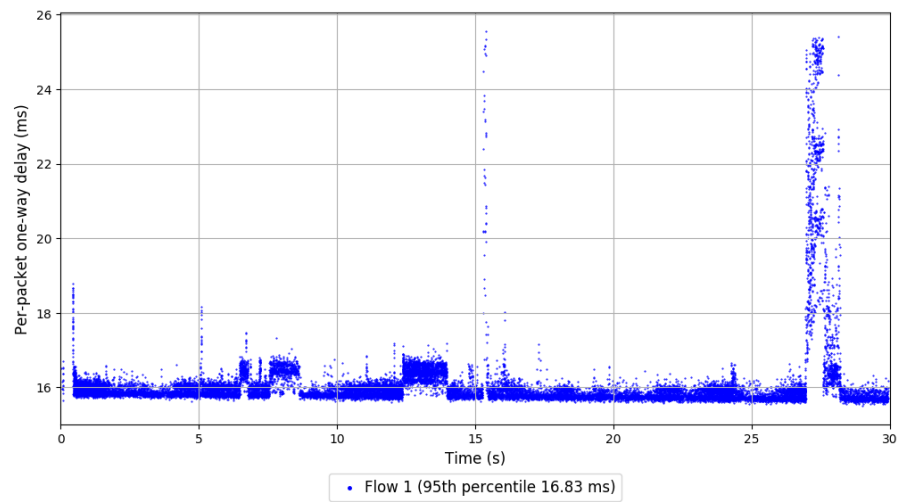
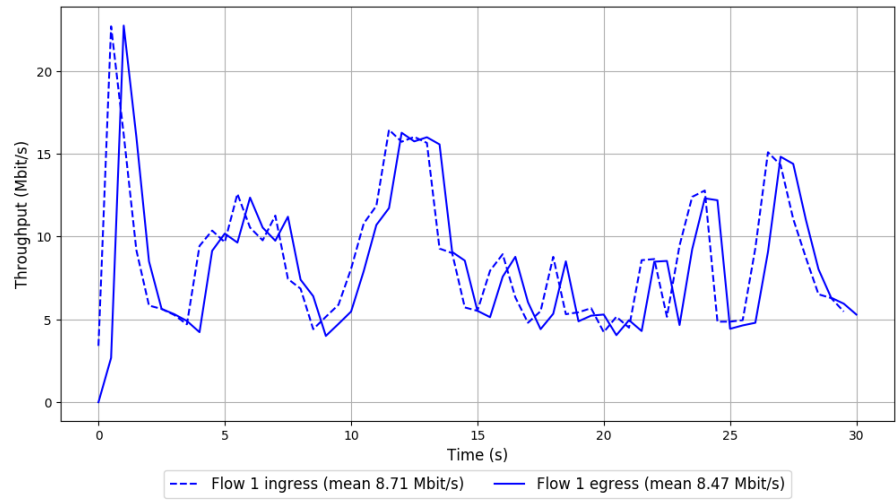
-- Flow 1:

Average throughput: 8.47 Mbit/s

95th percentile per-packet one-way delay: 16.826 ms

Loss rate: 2.85%

Run 9: Report of QUIC Cubic — Data Link

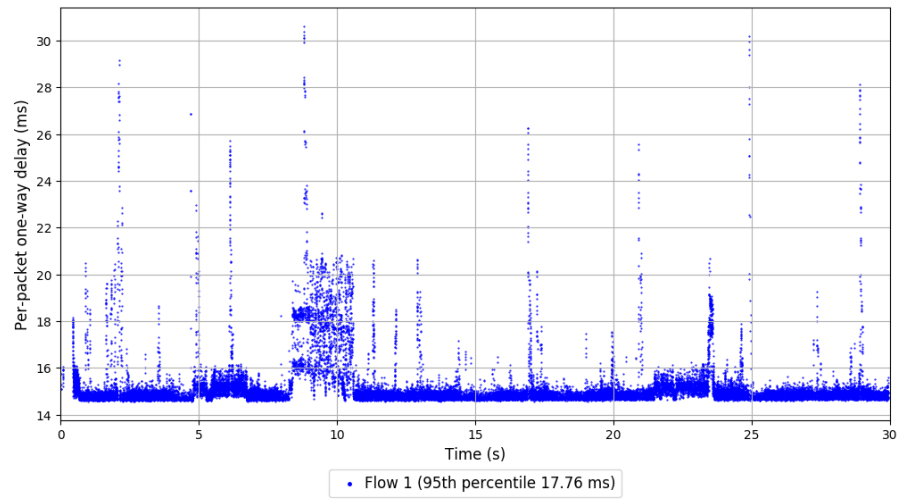
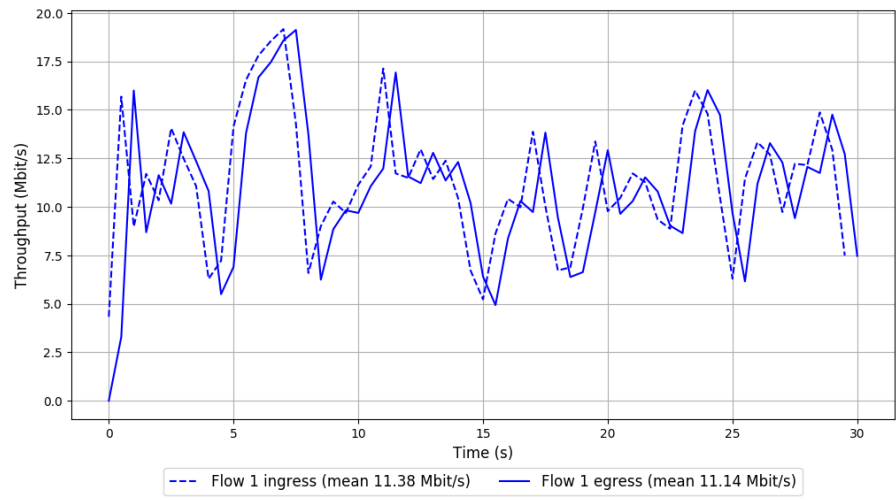


Run 10: Statistics of QUIC Cubic

Start at: 2018-05-24 06:23:03
End at: 2018-05-24 06:23:33
Local clock offset: -10.024 ms
Remote clock offset: 3.338 ms

Below is generated by plot.py at 2018-05-24 06:40:35
Datalink statistics
-- Total of 1 flow:
Average throughput: 11.14 Mbit/s
95th percentile per-packet one-way delay: 17.759 ms
Loss rate: 2.09%
-- Flow 1:
Average throughput: 11.14 Mbit/s
95th percentile per-packet one-way delay: 17.759 ms
Loss rate: 2.09%

Run 10: Report of QUIC Cubic — Data Link

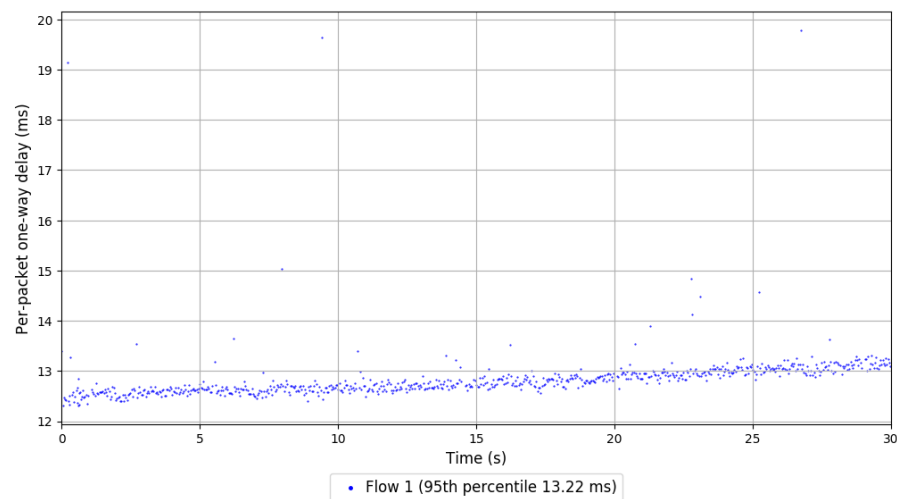
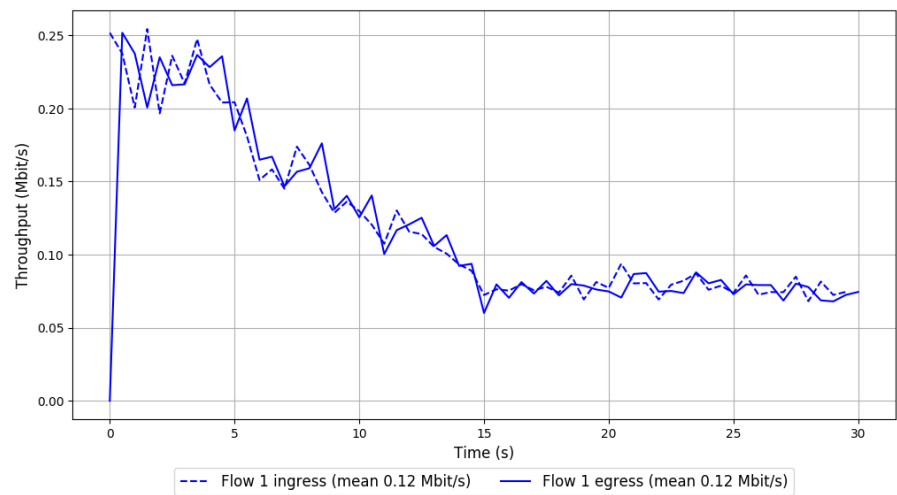


Run 1: Statistics of SCReAM

Start at: 2018-05-24 03:28:14
End at: 2018-05-24 03:28:44
Local clock offset: 0.567 ms
Remote clock offset: -0.762 ms

Below is generated by plot.py at 2018-05-24 06:40:35
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.12 Mbit/s
95th percentile per-packet one-way delay: 13.216 ms
Loss rate: 1.24%
-- Flow 1:
Average throughput: 0.12 Mbit/s
95th percentile per-packet one-way delay: 13.216 ms
Loss rate: 1.24%

Run 1: Report of SReAM — Data Link

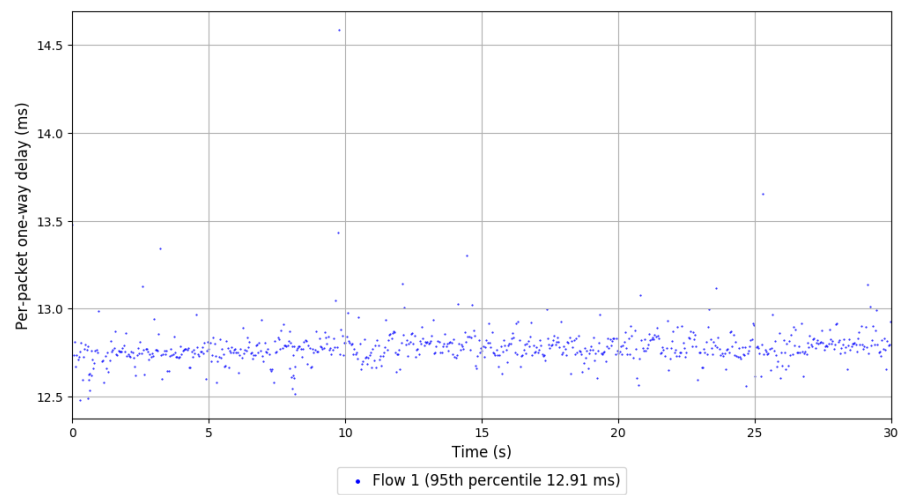
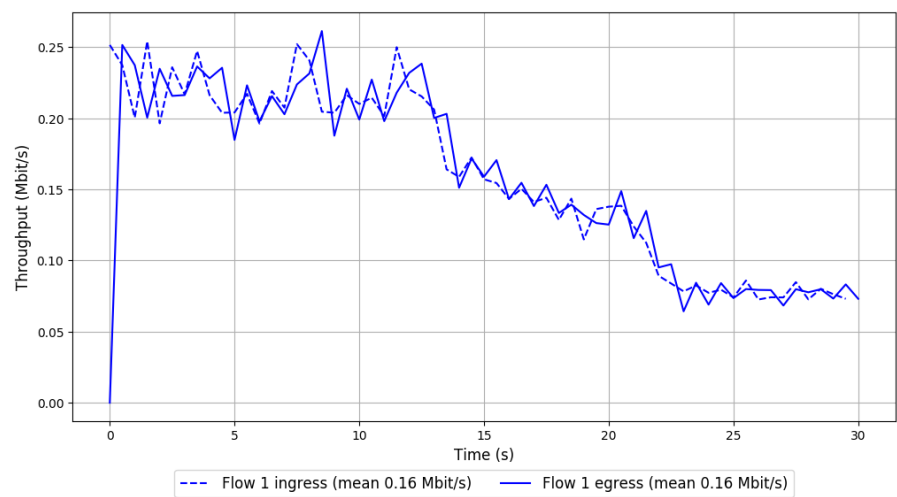


Run 2: Statistics of SCReAM

Start at: 2018-05-24 03:46:54
End at: 2018-05-24 03:47:24
Local clock offset: 1.549 ms
Remote clock offset: -16.258 ms

Below is generated by plot.py at 2018-05-24 06:40:35
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.16 Mbit/s
95th percentile per-packet one-way delay: 12.915 ms
Loss rate: 0.62%
-- Flow 1:
Average throughput: 0.16 Mbit/s
95th percentile per-packet one-way delay: 12.915 ms
Loss rate: 0.62%

Run 2: Report of SReAM — Data Link

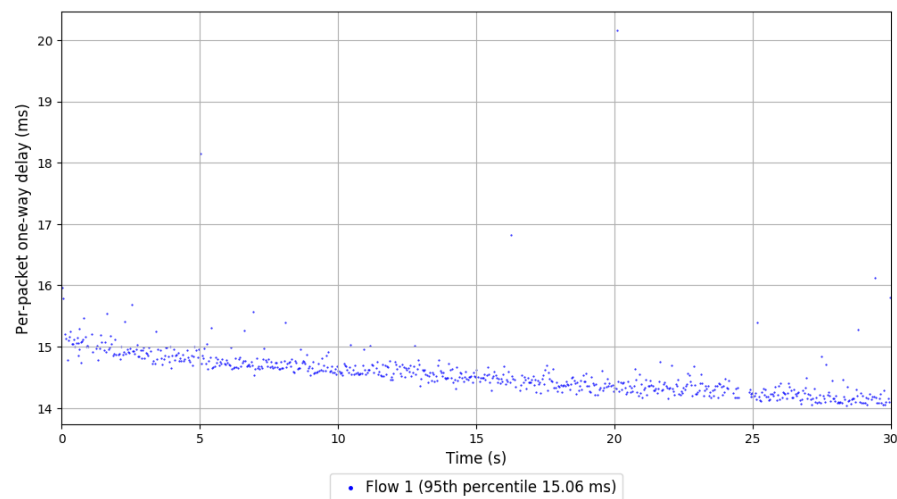
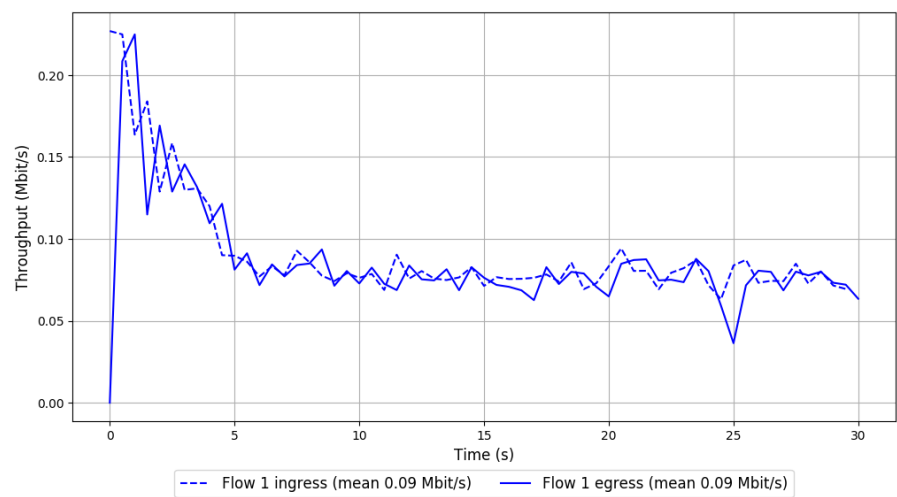


Run 3: Statistics of SCReAM

Start at: 2018-05-24 04:05:16
End at: 2018-05-24 04:05:46
Local clock offset: -2.088 ms
Remote clock offset: -13.352 ms

Below is generated by plot.py at 2018-05-24 06:40:35
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.09 Mbit/s
95th percentile per-packet one-way delay: 15.064 ms
Loss rate: 4.53%
-- Flow 1:
Average throughput: 0.09 Mbit/s
95th percentile per-packet one-way delay: 15.064 ms
Loss rate: 4.53%

Run 3: Report of SReAM — Data Link

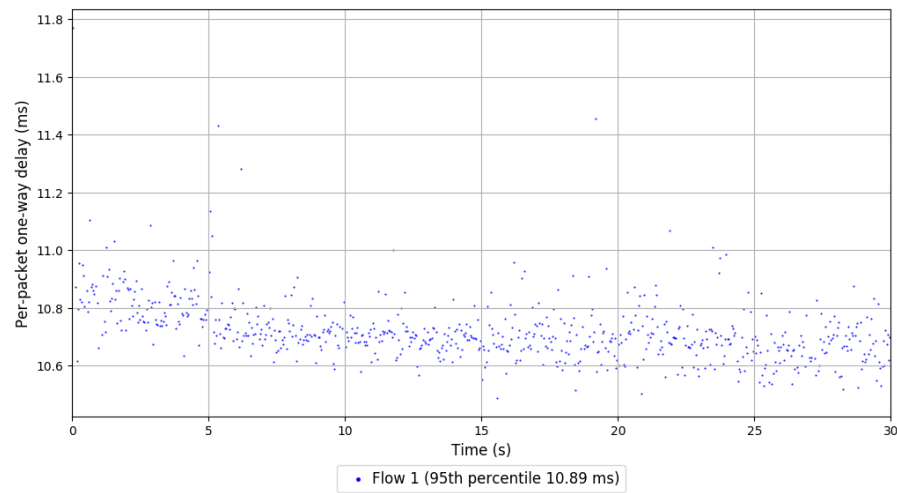
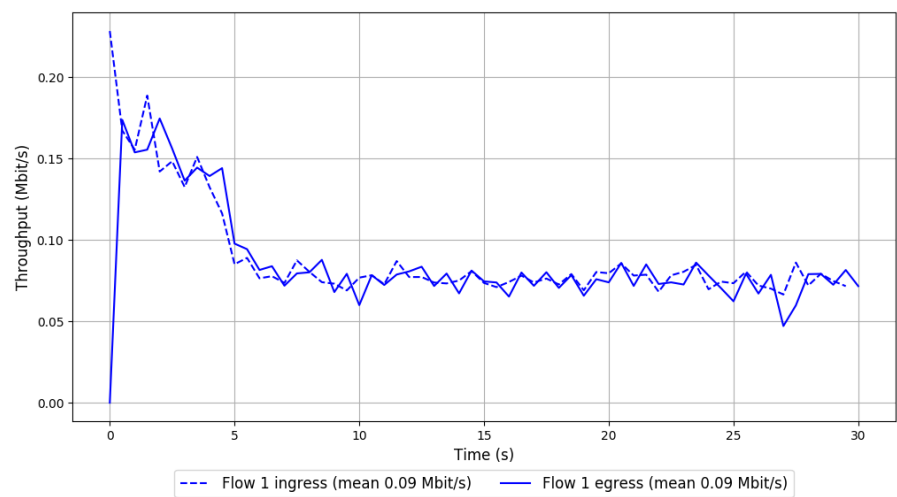


Run 4: Statistics of SCReAM

Start at: 2018-05-24 04:24:09
End at: 2018-05-24 04:24:39
Local clock offset: 0.757 ms
Remote clock offset: -2.824 ms

Below is generated by plot.py at 2018-05-24 06:40:35
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.09 Mbit/s
95th percentile per-packet one-way delay: 10.894 ms
Loss rate: 2.84%
-- Flow 1:
Average throughput: 0.09 Mbit/s
95th percentile per-packet one-way delay: 10.894 ms
Loss rate: 2.84%

Run 4: Report of SReAM — Data Link



Run 5: Statistics of SCReAM

Start at: 2018-05-24 04:42:08

End at: 2018-05-24 04:42:38

Local clock offset: 0.577 ms

Remote clock offset: 1.186 ms

Below is generated by plot.py at 2018-05-24 06:40:35

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.13 Mbit/s

95th percentile per-packet one-way delay: 13.063 ms

Loss rate: 0.77%

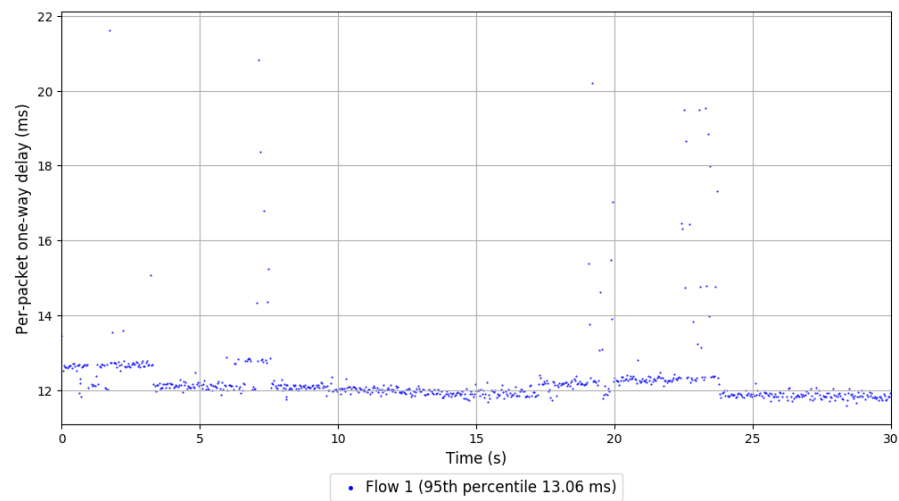
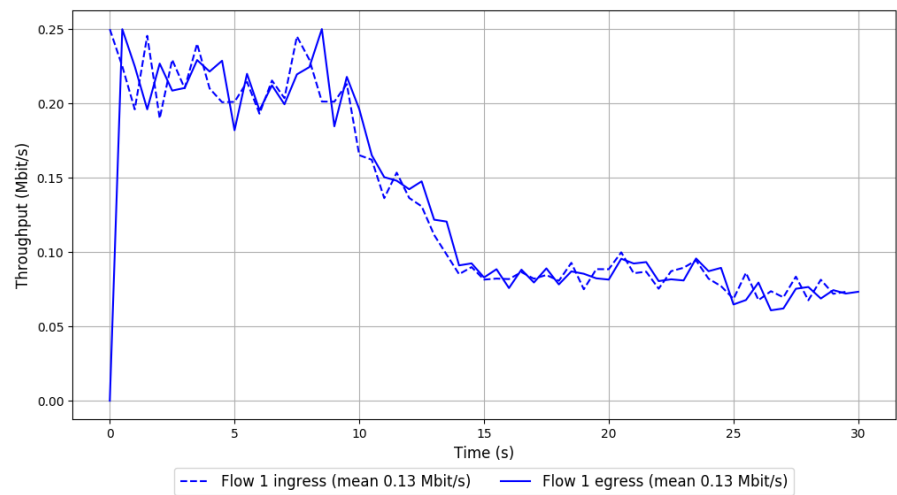
-- Flow 1:

Average throughput: 0.13 Mbit/s

95th percentile per-packet one-way delay: 13.063 ms

Loss rate: 0.77%

Run 5: Report of SReAM — Data Link



Run 6: Statistics of SCReAM

Start at: 2018-05-24 05:00:27

End at: 2018-05-24 05:00:57

Local clock offset: -0.458 ms

Remote clock offset: 7.707 ms

Below is generated by plot.py at 2018-05-24 06:40:35

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.12 Mbit/s

95th percentile per-packet one-way delay: 15.700 ms

Loss rate: 0.65%

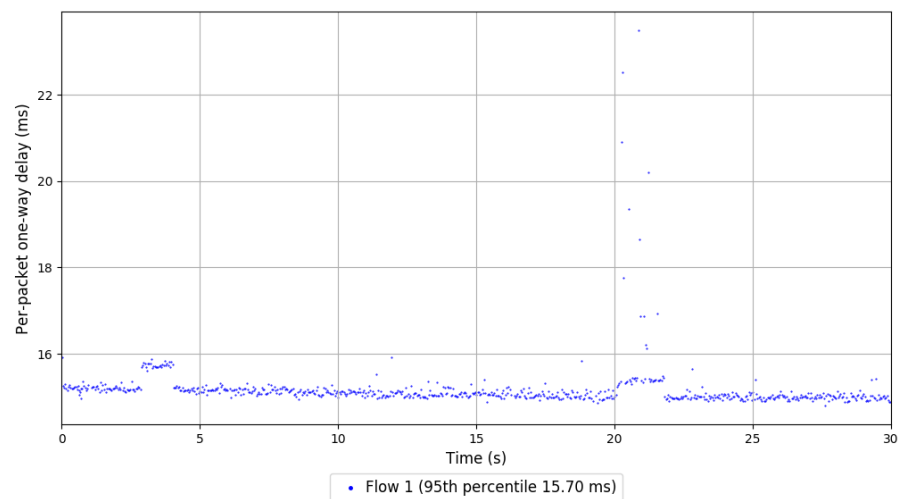
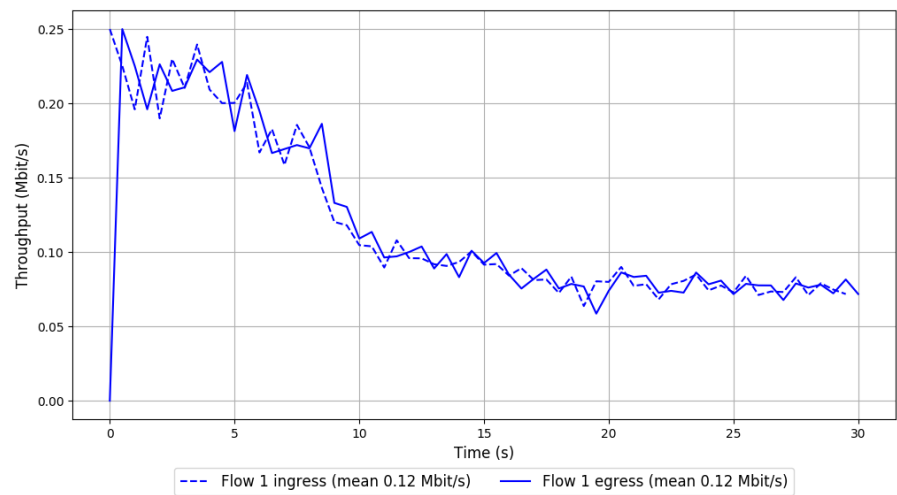
-- Flow 1:

Average throughput: 0.12 Mbit/s

95th percentile per-packet one-way delay: 15.700 ms

Loss rate: 0.65%

Run 6: Report of SReAM — Data Link



Run 7: Statistics of SCReAM

Start at: 2018-05-24 05:18:37

End at: 2018-05-24 05:19:07

Local clock offset: -1.01 ms

Remote clock offset: 1.781 ms

Below is generated by plot.py at 2018-05-24 06:40:35

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.09 Mbit/s

95th percentile per-packet one-way delay: 15.275 ms

Loss rate: 3.45%

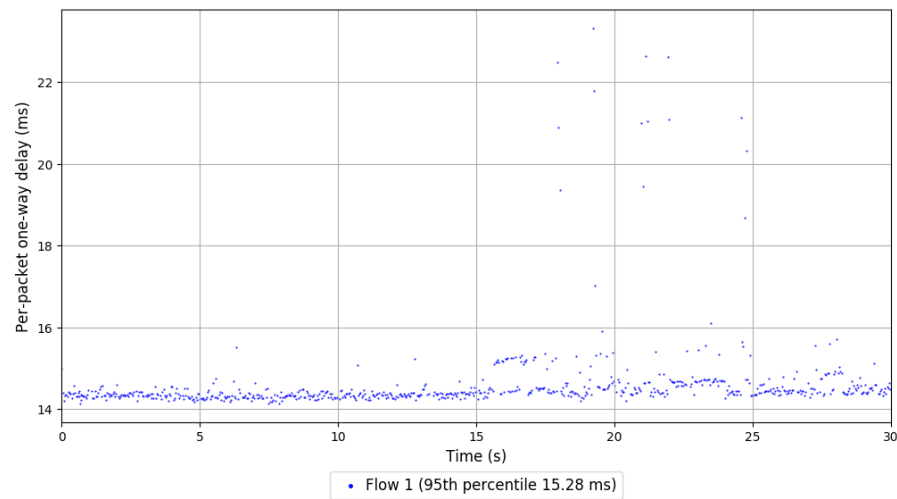
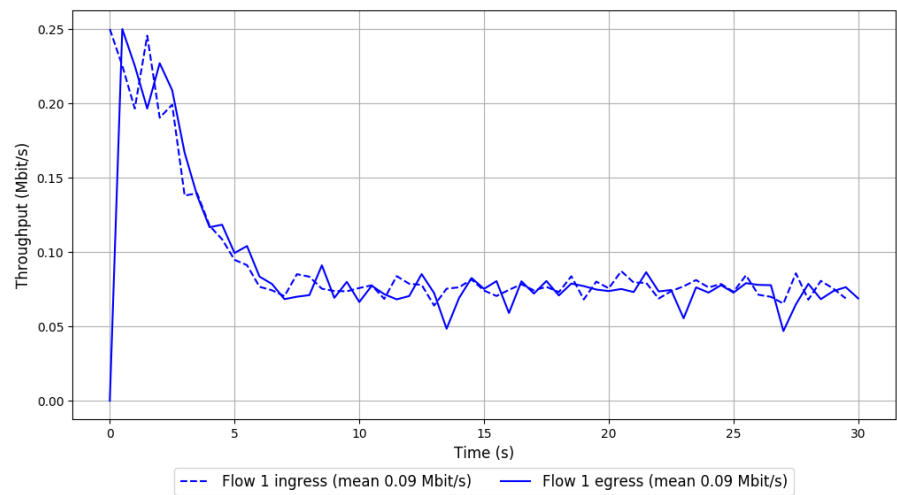
-- Flow 1:

Average throughput: 0.09 Mbit/s

95th percentile per-packet one-way delay: 15.275 ms

Loss rate: 3.45%

Run 7: Report of SReAM — Data Link



Run 8: Statistics of SCReAM

Start at: 2018-05-24 05:37:06

End at: 2018-05-24 05:37:36

Local clock offset: -0.751 ms

Remote clock offset: -0.35 ms

Below is generated by plot.py at 2018-05-24 06:40:35

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.10 Mbit/s

95th percentile per-packet one-way delay: 15.545 ms

Loss rate: 3.35%

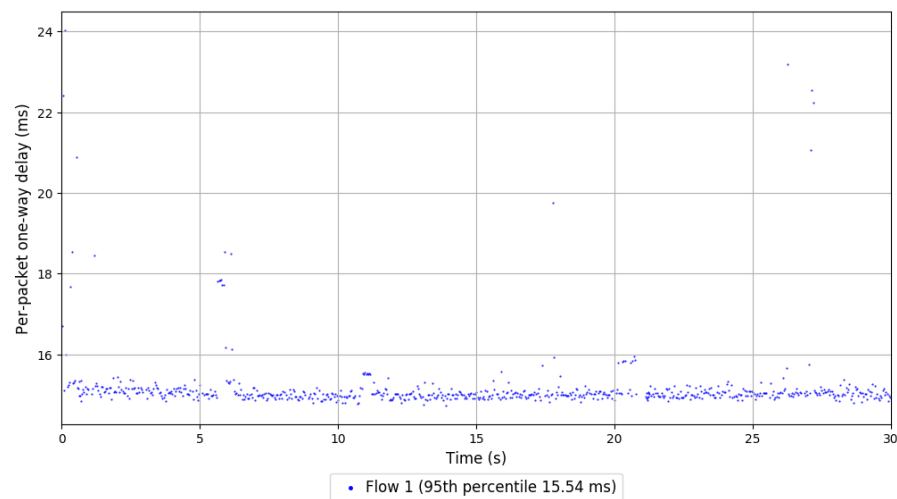
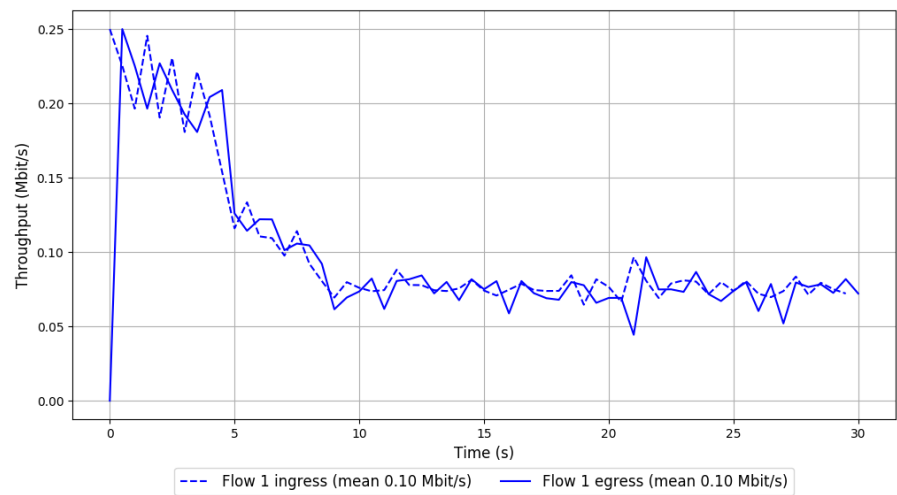
-- Flow 1:

Average throughput: 0.10 Mbit/s

95th percentile per-packet one-way delay: 15.545 ms

Loss rate: 3.35%

Run 8: Report of SReAM — Data Link



Run 9: Statistics of SCReAM

Start at: 2018-05-24 05:55:05

End at: 2018-05-24 05:55:35

Local clock offset: 0.976 ms

Remote clock offset: 5.157 ms

Below is generated by plot.py at 2018-05-24 06:40:35

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.15 Mbit/s

95th percentile per-packet one-way delay: 15.702 ms

Loss rate: 0.97%

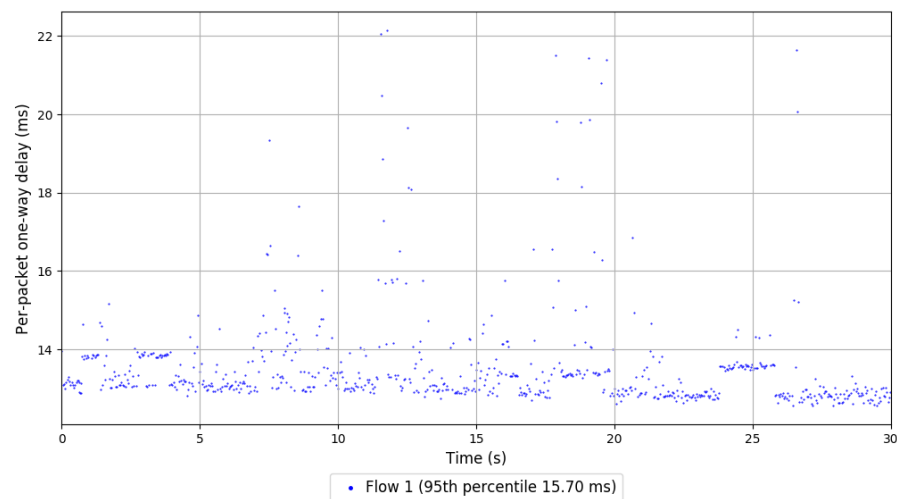
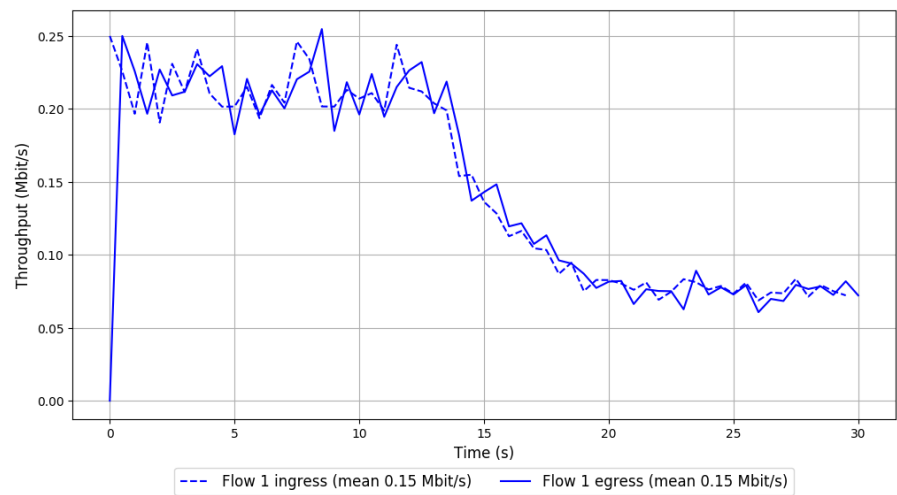
-- Flow 1:

Average throughput: 0.15 Mbit/s

95th percentile per-packet one-way delay: 15.702 ms

Loss rate: 0.97%

Run 9: Report of SReAM — Data Link



Run 10: Statistics of SReAM

Start at: 2018-05-24 06:12:59

End at: 2018-05-24 06:13:29

Local clock offset: -1.755 ms

Remote clock offset: 8.477 ms

Below is generated by plot.py at 2018-05-24 06:40:35

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.10 Mbit/s

95th percentile per-packet one-way delay: 16.960 ms

Loss rate: 1.80%

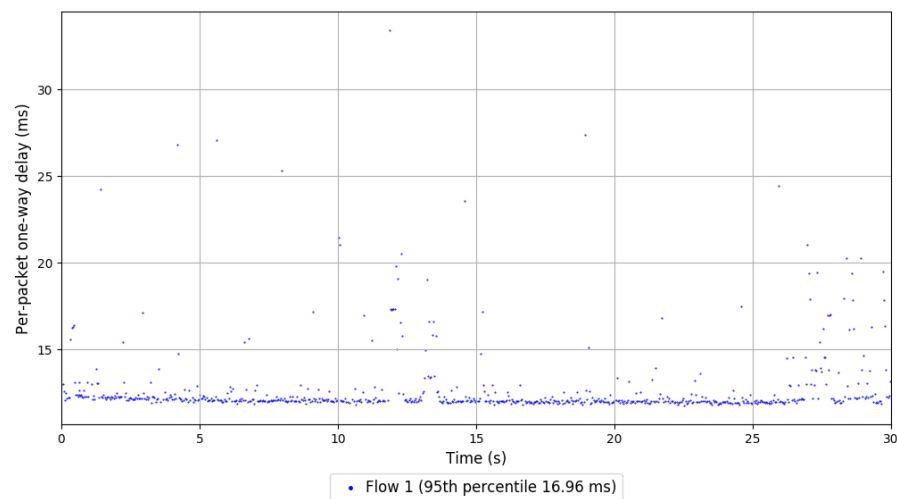
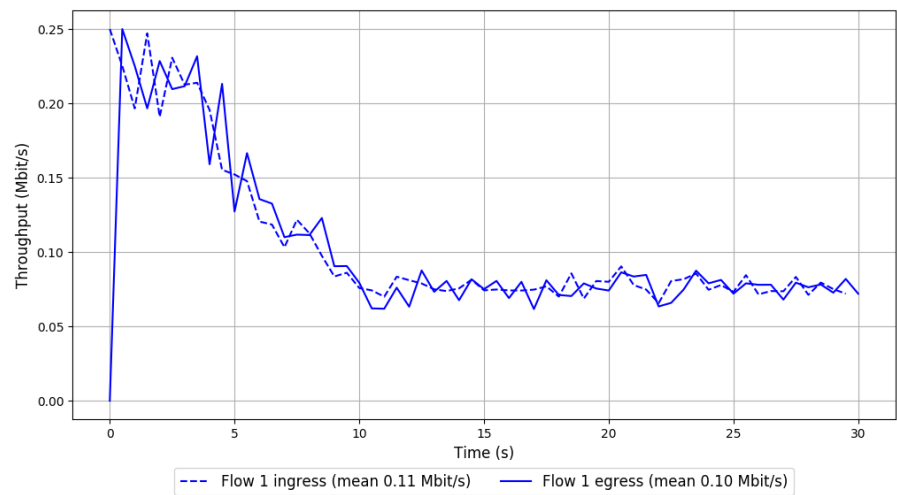
-- Flow 1:

Average throughput: 0.10 Mbit/s

95th percentile per-packet one-way delay: 16.960 ms

Loss rate: 1.80%

Run 10: Report of SCReAM — Data Link

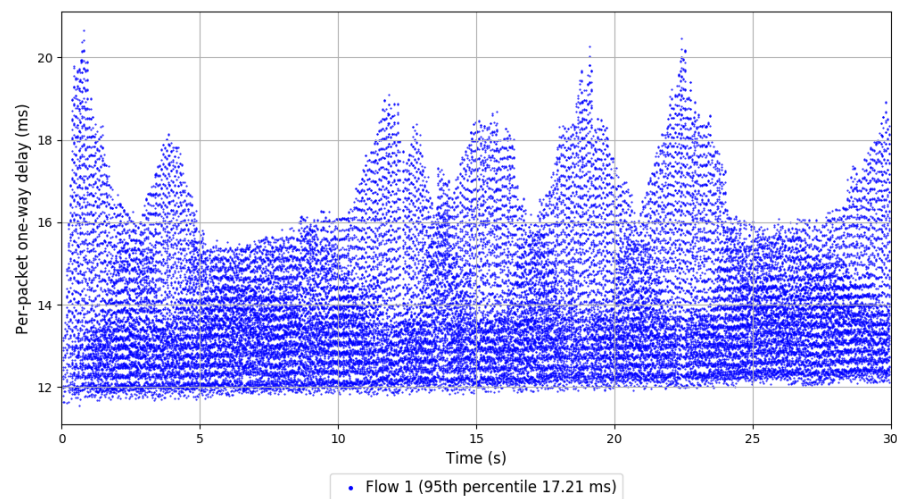
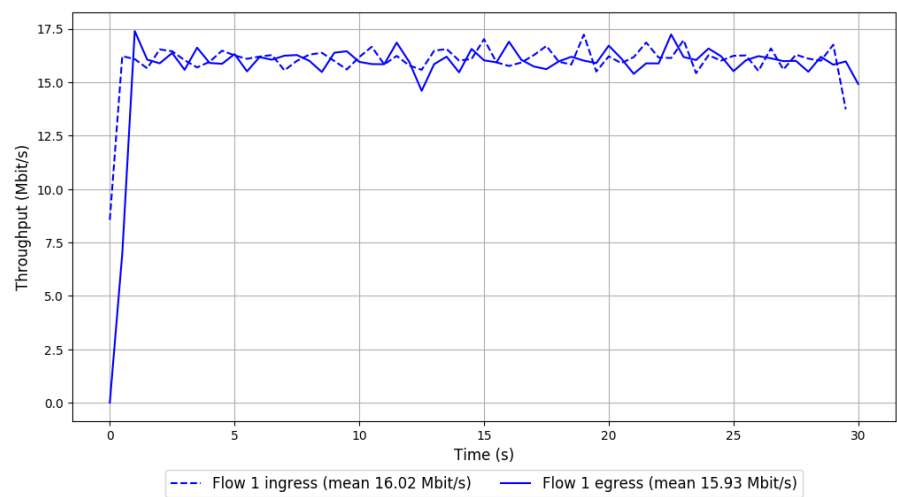


Run 1: Statistics of Sprout

Start at: 2018-05-24 03:35:16
End at: 2018-05-24 03:35:46
Local clock offset: 1.963 ms
Remote clock offset: -9.616 ms

Below is generated by plot.py at 2018-05-24 06:40:43
Datalink statistics
-- Total of 1 flow:
Average throughput: 15.93 Mbit/s
95th percentile per-packet one-way delay: 17.210 ms
Loss rate: 0.58%
-- Flow 1:
Average throughput: 15.93 Mbit/s
95th percentile per-packet one-way delay: 17.210 ms
Loss rate: 0.58%

Run 1: Report of Sprout — Data Link

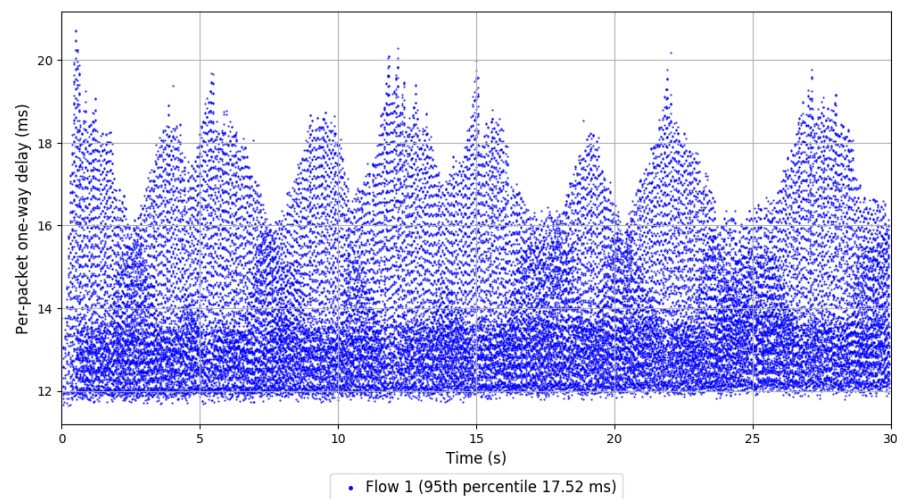
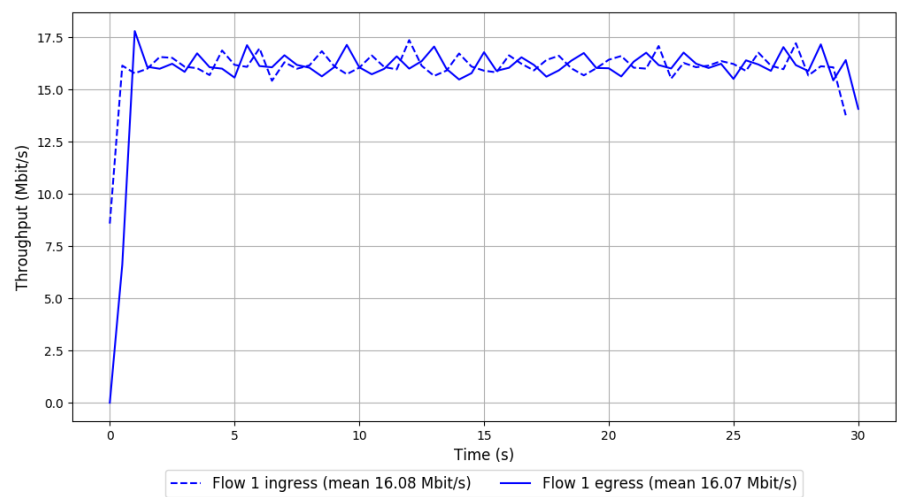


Run 2: Statistics of Sprout

Start at: 2018-05-24 03:53:38
End at: 2018-05-24 03:54:08
Local clock offset: 3.273 ms
Remote clock offset: -18.054 ms

Below is generated by plot.py at 2018-05-24 06:40:44
Datalink statistics
-- Total of 1 flow:
Average throughput: 16.07 Mbit/s
95th percentile per-packet one-way delay: 17.519 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 16.07 Mbit/s
95th percentile per-packet one-way delay: 17.519 ms
Loss rate: 0.08%

Run 2: Report of Sprout — Data Link

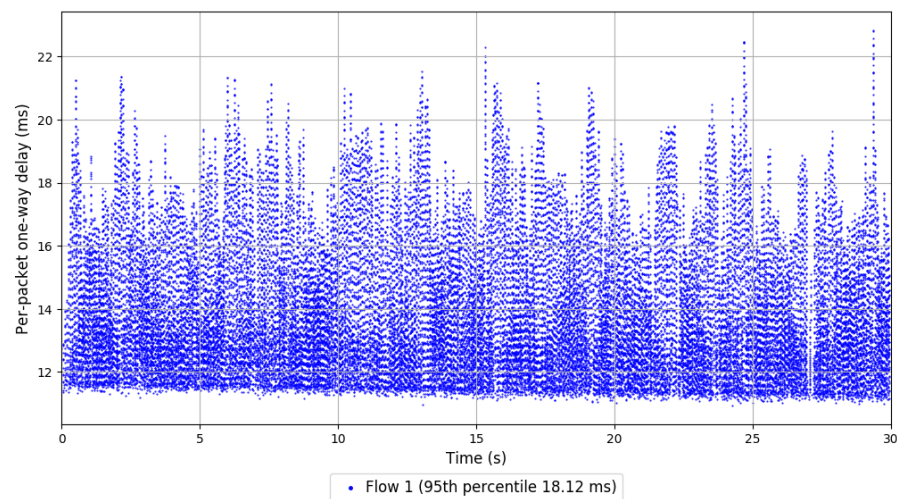
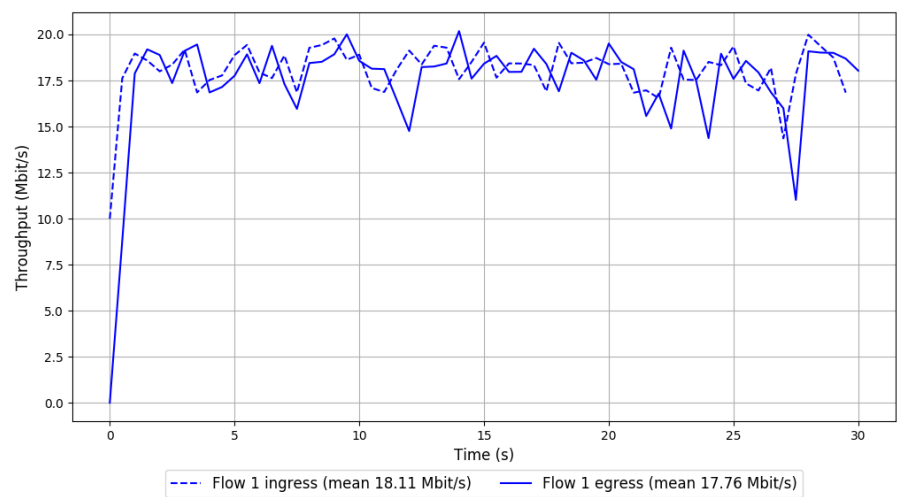


Run 3: Statistics of Sprout

Start at: 2018-05-24 04:12:06
End at: 2018-05-24 04:12:36
Local clock offset: 0.368 ms
Remote clock offset: -6.502 ms

Below is generated by plot.py at 2018-05-24 06:40:48
Datalink statistics
-- Total of 1 flow:
Average throughput: 17.76 Mbit/s
95th percentile per-packet one-way delay: 18.125 ms
Loss rate: 1.90%
-- Flow 1:
Average throughput: 17.76 Mbit/s
95th percentile per-packet one-way delay: 18.125 ms
Loss rate: 1.90%

Run 3: Report of Sprout — Data Link

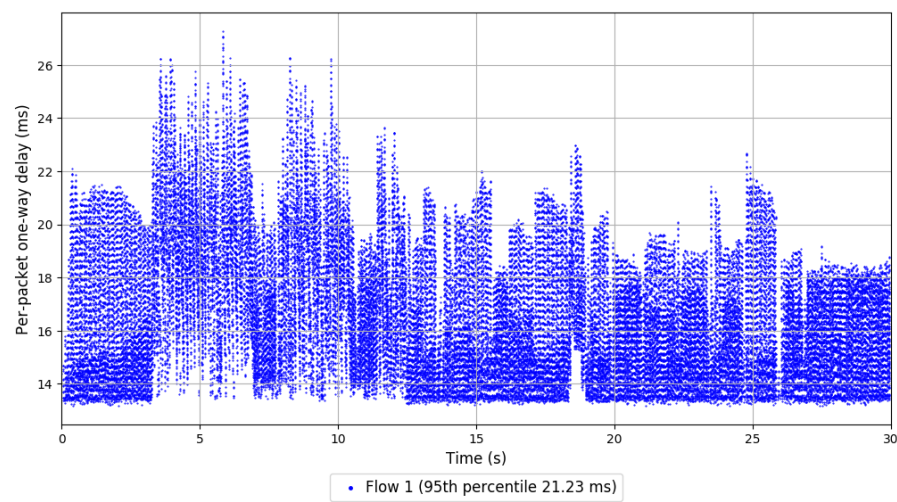
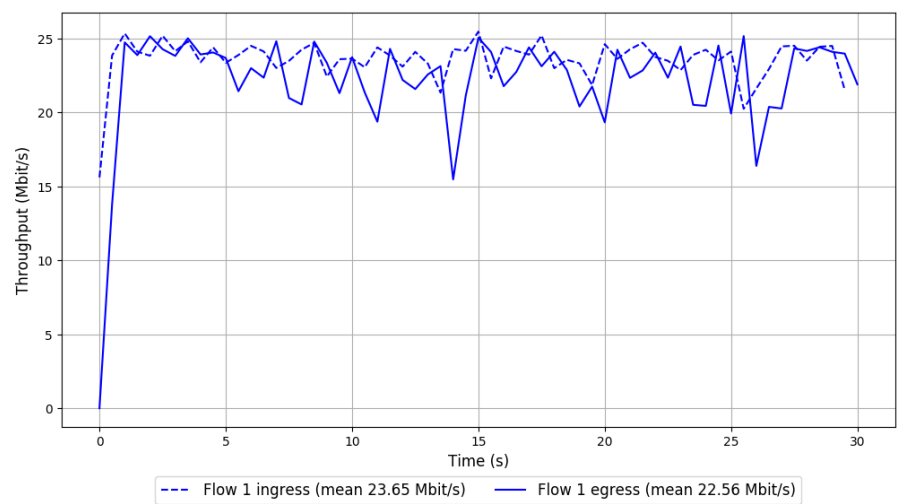


Run 4: Statistics of Sprout

Start at: 2018-05-24 04:30:48
End at: 2018-05-24 04:31:18
Local clock offset: -1.549 ms
Remote clock offset: -2.536 ms

Below is generated by plot.py at 2018-05-24 06:40:52
Datalink statistics
-- Total of 1 flow:
Average throughput: 22.56 Mbit/s
95th percentile per-packet one-way delay: 21.226 ms
Loss rate: 4.60%
-- Flow 1:
Average throughput: 22.56 Mbit/s
95th percentile per-packet one-way delay: 21.226 ms
Loss rate: 4.60%

Run 4: Report of Sprout — Data Link



Run 5: Statistics of Sprout

Start at: 2018-05-24 04:48:43

End at: 2018-05-24 04:49:13

Local clock offset: 0.168 ms

Remote clock offset: 3.413 ms

Below is generated by plot.py at 2018-05-24 06:40:52

Datalink statistics

-- Total of 1 flow:

Average throughput: 21.88 Mbit/s

95th percentile per-packet one-way delay: 19.613 ms

Loss rate: 5.23%

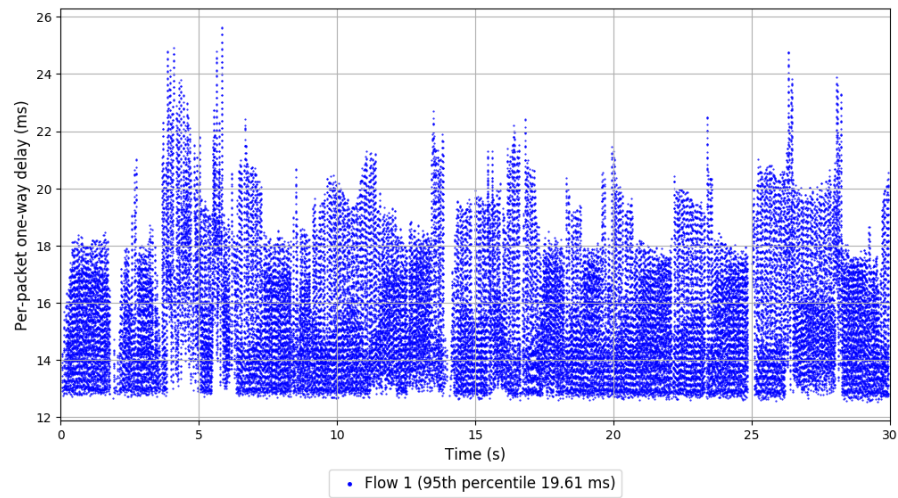
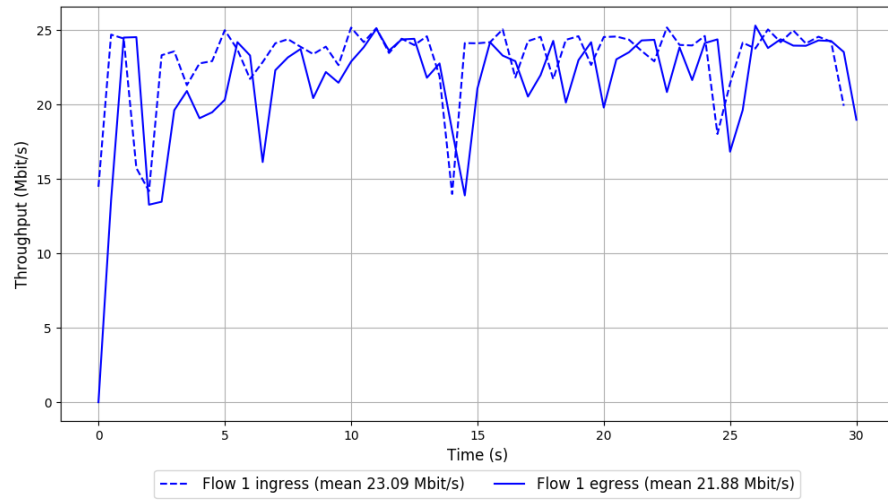
-- Flow 1:

Average throughput: 21.88 Mbit/s

95th percentile per-packet one-way delay: 19.613 ms

Loss rate: 5.23%

Run 5: Report of Sprout — Data Link



Run 6: Statistics of Sprout

Start at: 2018-05-24 05:07:14

End at: 2018-05-24 05:07:44

Local clock offset: -0.651 ms

Remote clock offset: 7.16 ms

Below is generated by plot.py at 2018-05-24 06:40:52

Datalink statistics

-- Total of 1 flow:

Average throughput: 17.82 Mbit/s

95th percentile per-packet one-way delay: 20.574 ms

Loss rate: 12.13%

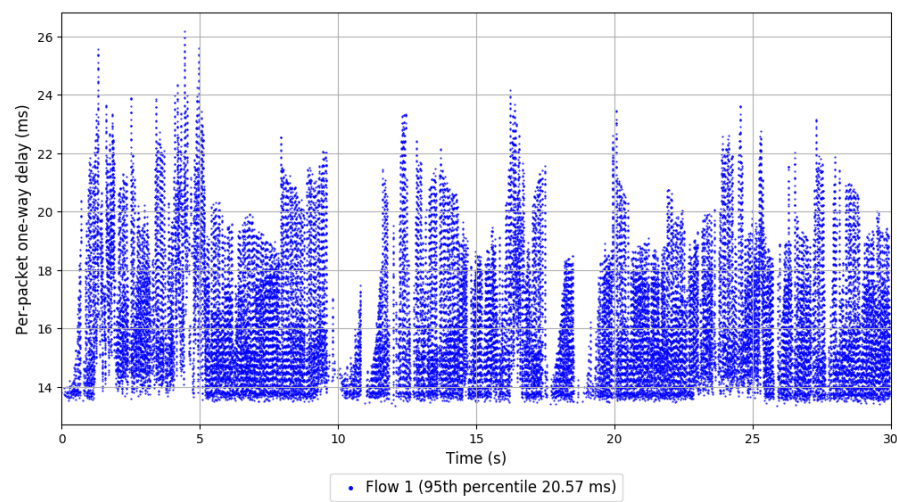
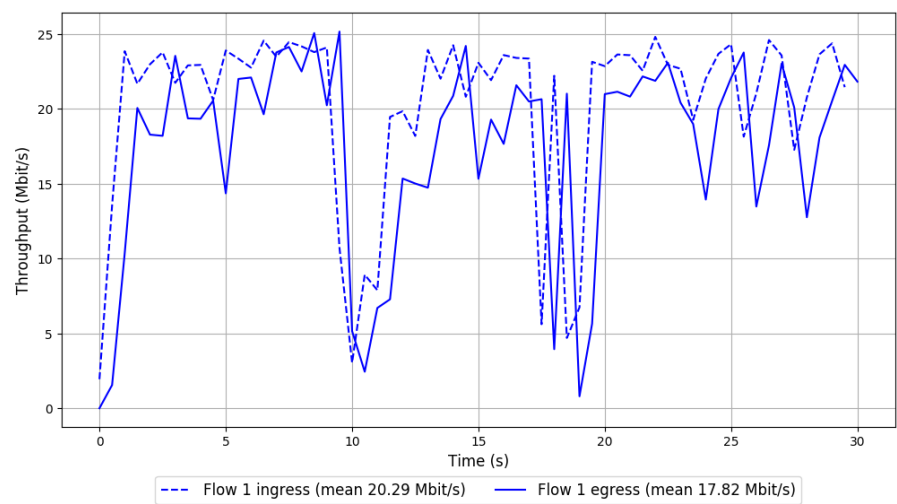
-- Flow 1:

Average throughput: 17.82 Mbit/s

95th percentile per-packet one-way delay: 20.574 ms

Loss rate: 12.13%

Run 6: Report of Sprout — Data Link

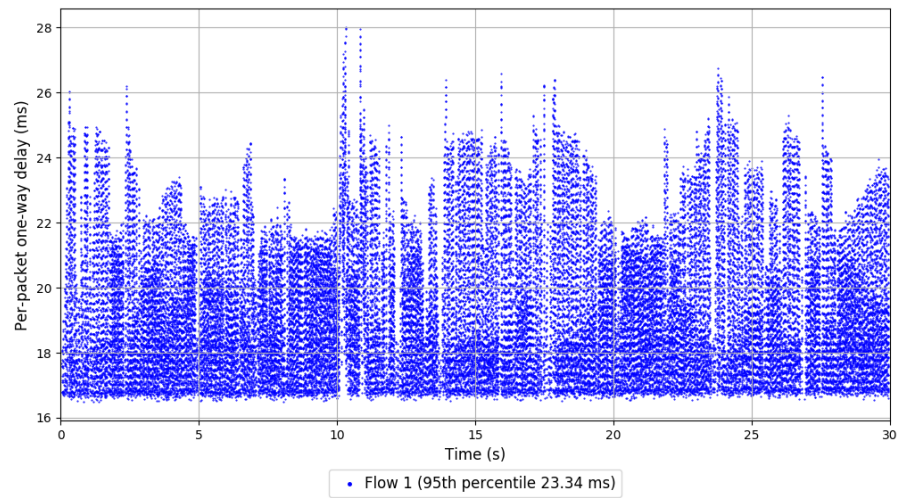
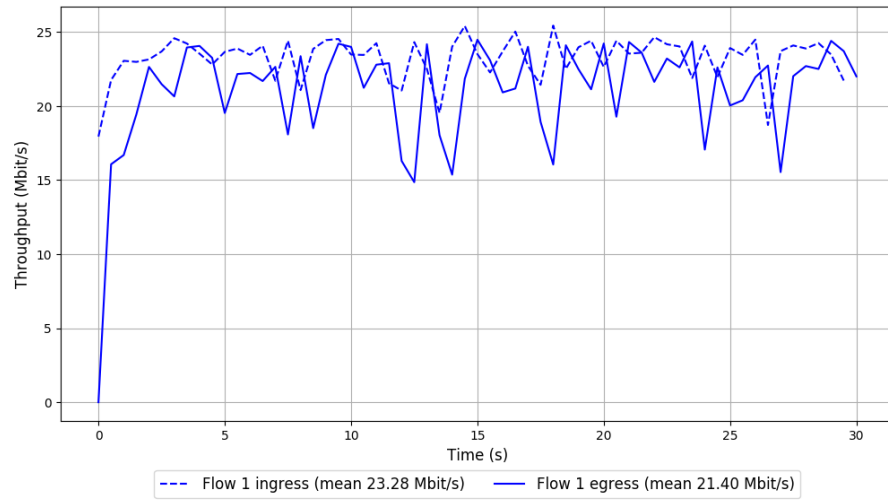


Run 7: Statistics of Sprout

Start at: 2018-05-24 05:25:10
End at: 2018-05-24 05:25:40
Local clock offset: -1.943 ms
Remote clock offset: 1.005 ms

Below is generated by plot.py at 2018-05-24 06:40:54
Datalink statistics
-- Total of 1 flow:
Average throughput: 21.40 Mbit/s
95th percentile per-packet one-way delay: 23.338 ms
Loss rate: 8.07%
-- Flow 1:
Average throughput: 21.40 Mbit/s
95th percentile per-packet one-way delay: 23.338 ms
Loss rate: 8.07%

Run 7: Report of Sprout — Data Link

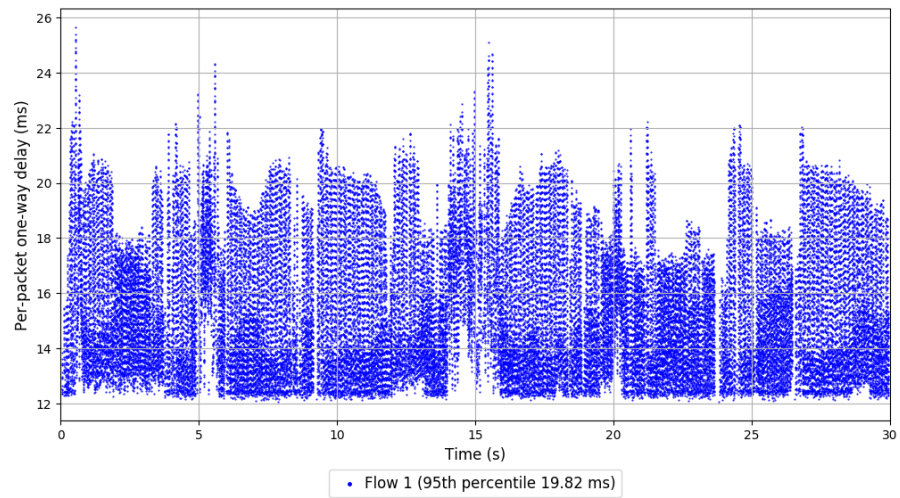
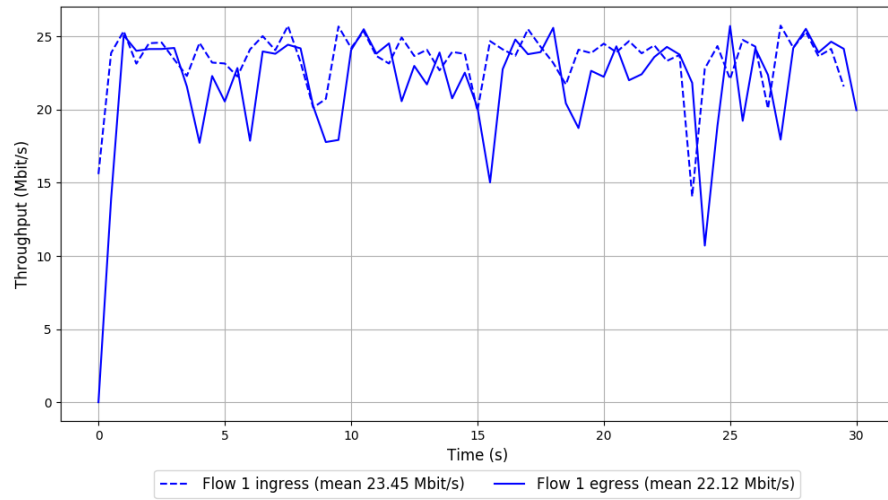


Run 8: Statistics of Sprout

Start at: 2018-05-24 05:43:41
End at: 2018-05-24 05:44:11
Local clock offset: 0.261 ms
Remote clock offset: -2.714 ms

Below is generated by plot.py at 2018-05-24 06:40:59
Datalink statistics
-- Total of 1 flow:
Average throughput: 22.12 Mbit/s
95th percentile per-packet one-way delay: 19.818 ms
Loss rate: 5.69%
-- Flow 1:
Average throughput: 22.12 Mbit/s
95th percentile per-packet one-way delay: 19.818 ms
Loss rate: 5.69%

Run 8: Report of Sprout — Data Link



Run 9: Statistics of Sprout

Start at: 2018-05-24 06:01:39

End at: 2018-05-24 06:02:09

Local clock offset: 0.007 ms

Remote clock offset: 5.125 ms

Below is generated by plot.py at 2018-05-24 06:41:05

Datalink statistics

-- Total of 1 flow:

Average throughput: 22.81 Mbit/s

95th percentile per-packet one-way delay: 20.283 ms

Loss rate: 3.76%

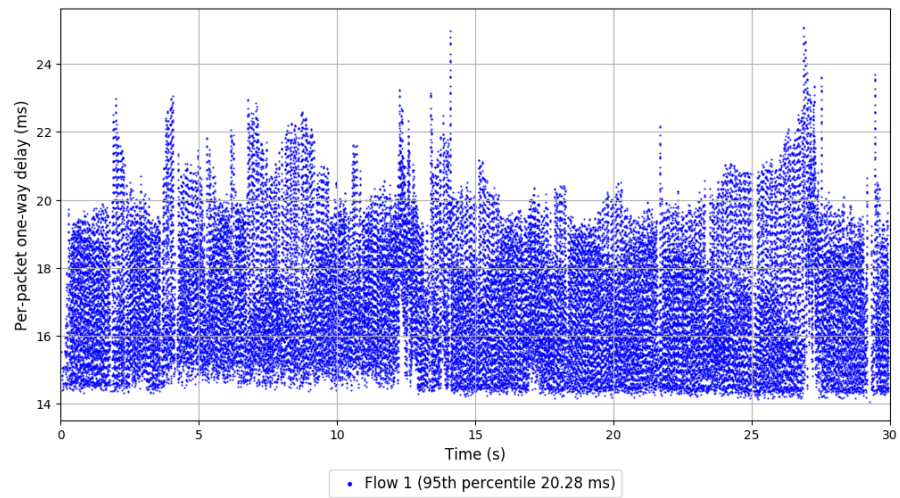
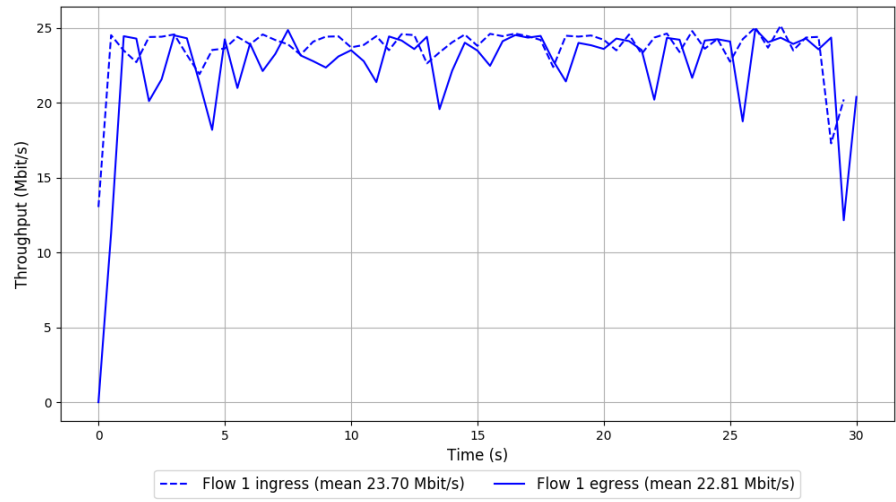
-- Flow 1:

Average throughput: 22.81 Mbit/s

95th percentile per-packet one-way delay: 20.283 ms

Loss rate: 3.76%

Run 9: Report of Sprout — Data Link



Run 10: Statistics of Sprout

Start at: 2018-05-24 06:19:35

End at: 2018-05-24 06:20:05

Local clock offset: -1.325 ms

Remote clock offset: 7.984 ms

Below is generated by plot.py at 2018-05-24 06:41:05

Datalink statistics

-- Total of 1 flow:

Average throughput: 20.62 Mbit/s

95th percentile per-packet one-way delay: 20.985 ms

Loss rate: 7.82%

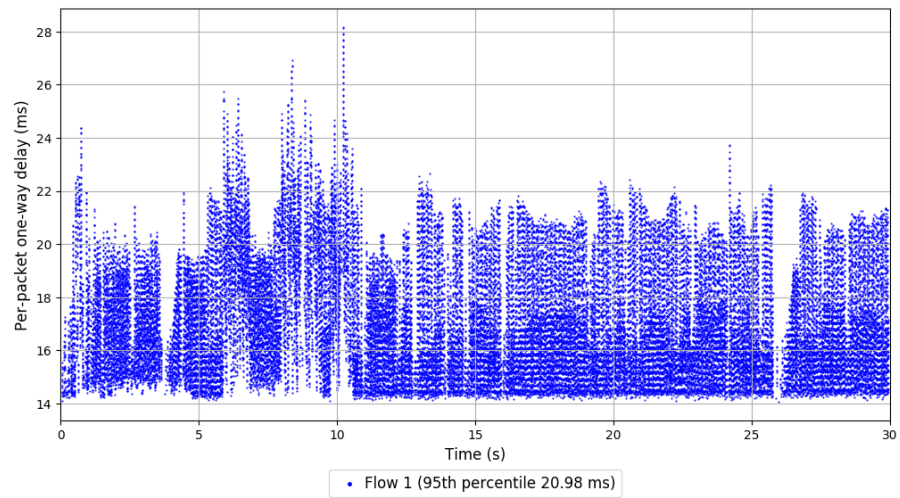
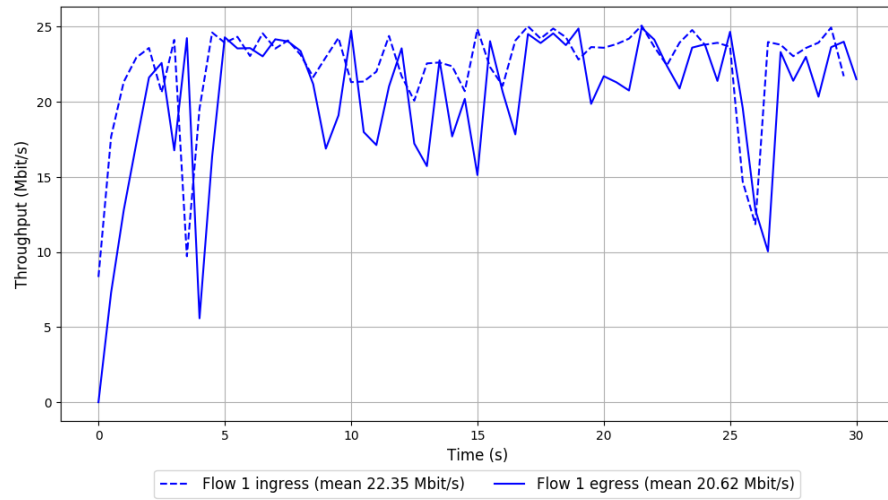
-- Flow 1:

Average throughput: 20.62 Mbit/s

95th percentile per-packet one-way delay: 20.985 ms

Loss rate: 7.82%

Run 10: Report of Sprout — Data Link



Run 1: Statistics of TaoVA-100x

Start at: 2018-05-24 03:36:22

End at: 2018-05-24 03:36:52

Local clock offset: 0.077 ms

Remote clock offset: -8.95 ms

Below is generated by plot.py at 2018-05-24 06:42:54

Datalink statistics

-- Total of 1 flow:

Average throughput: 84.88 Mbit/s

95th percentile per-packet one-way delay: 20.973 ms

Loss rate: 11.41%

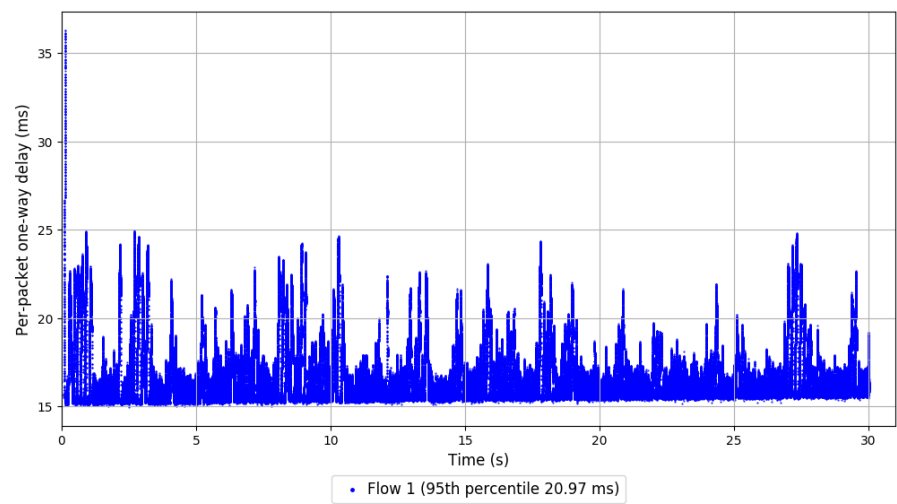
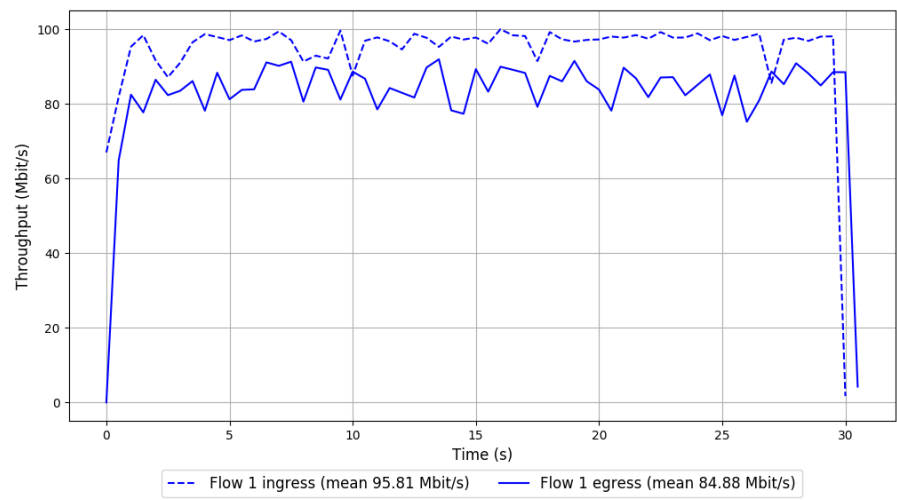
-- Flow 1:

Average throughput: 84.88 Mbit/s

95th percentile per-packet one-way delay: 20.973 ms

Loss rate: 11.41%

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



Run 2: Statistics of TaoVA-100x

Start at: 2018-05-24 03:54:43

End at: 2018-05-24 03:55:13

Local clock offset: -3.31 ms

Remote clock offset: -17.52 ms

Below is generated by plot.py at 2018-05-24 06:42:55

Datalink statistics

-- Total of 1 flow:

Average throughput: 83.65 Mbit/s

95th percentile per-packet one-way delay: 21.947 ms

Loss rate: 11.60%

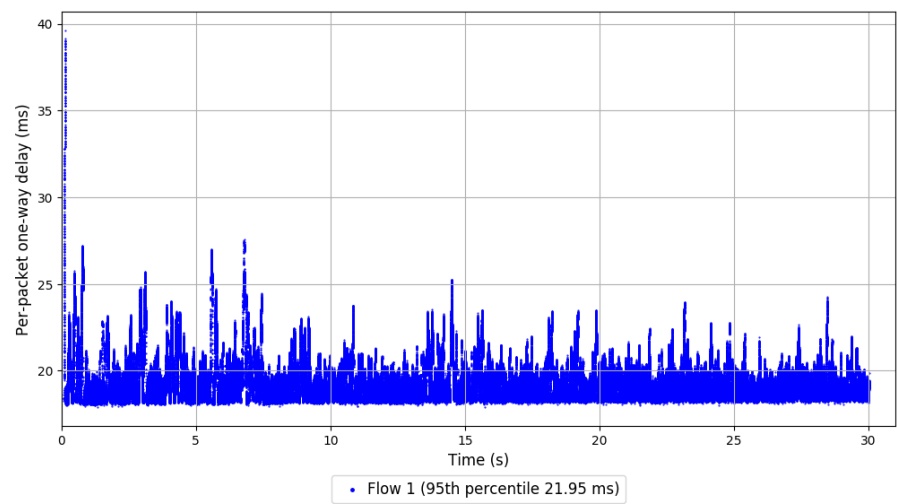
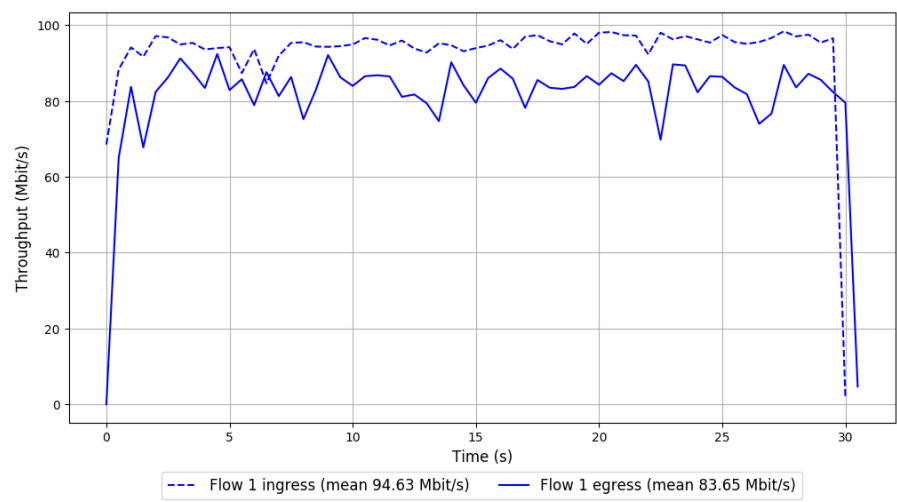
-- Flow 1:

Average throughput: 83.65 Mbit/s

95th percentile per-packet one-way delay: 21.947 ms

Loss rate: 11.60%

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

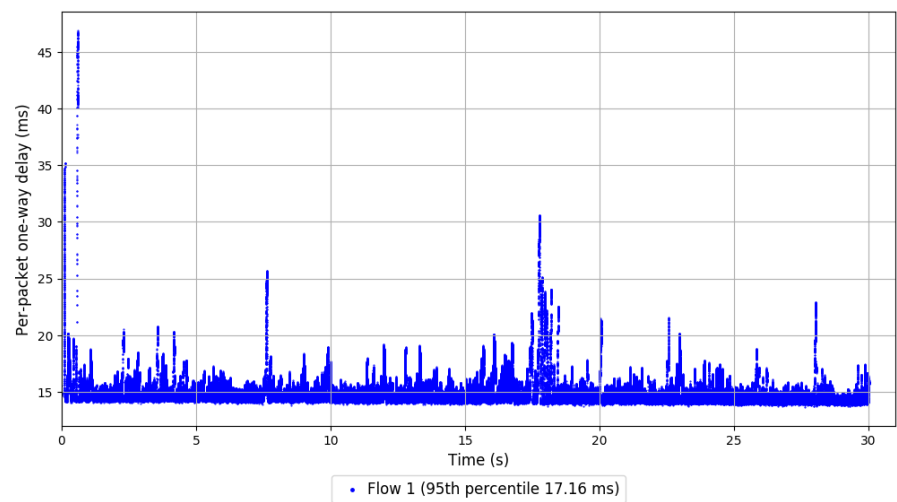
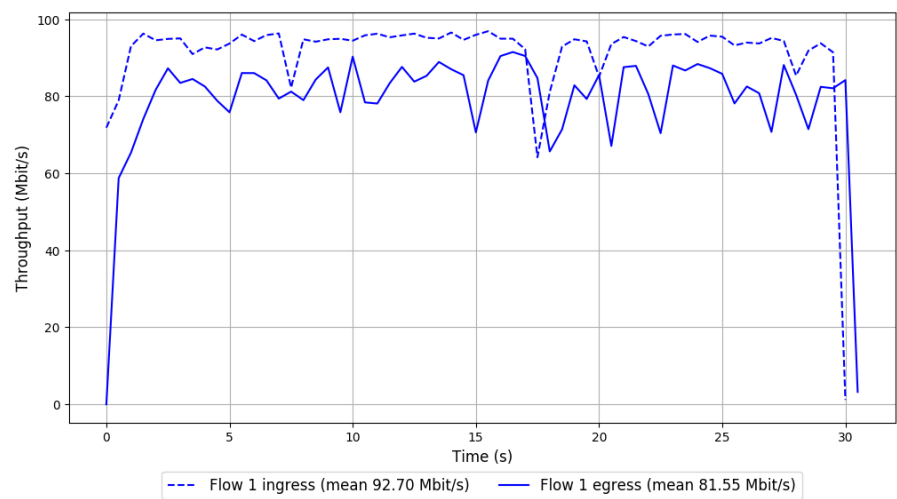


Run 3: Statistics of TaoVA-100x

Start at: 2018-05-24 04:13:12
End at: 2018-05-24 04:13:42
Local clock offset: -2.435 ms
Remote clock offset: -5.699 ms

Below is generated by plot.py at 2018-05-24 06:42:55
Datalink statistics
-- Total of 1 flow:
Average throughput: 81.55 Mbit/s
95th percentile per-packet one-way delay: 17.163 ms
Loss rate: 12.03%
-- Flow 1:
Average throughput: 81.55 Mbit/s
95th percentile per-packet one-way delay: 17.163 ms
Loss rate: 12.03%

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



Run 4: Statistics of TaoVA-100x

Start at: 2018-05-24 04:31:54

End at: 2018-05-24 04:32:24

Local clock offset: 1.284 ms

Remote clock offset: -0.995 ms

Below is generated by plot.py at 2018-05-24 06:42:55

Datalink statistics

-- Total of 1 flow:

Average throughput: 79.04 Mbit/s

95th percentile per-packet one-way delay: 14.390 ms

Loss rate: 13.48%

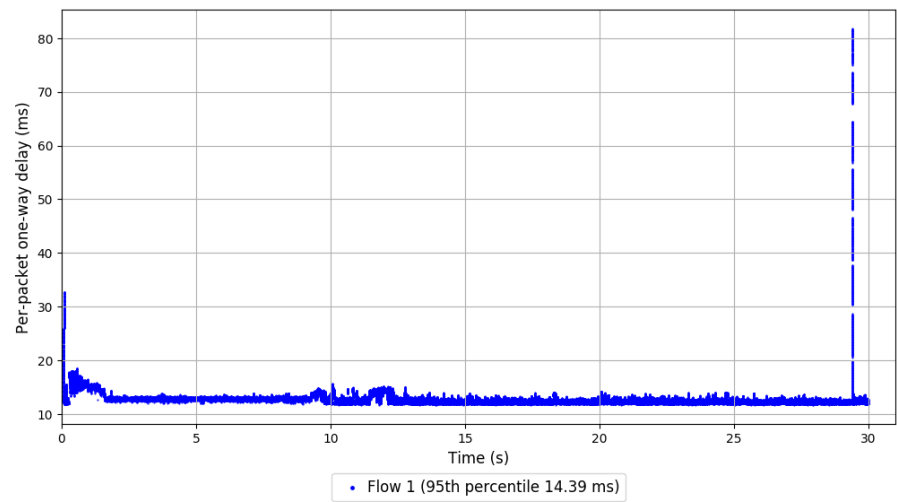
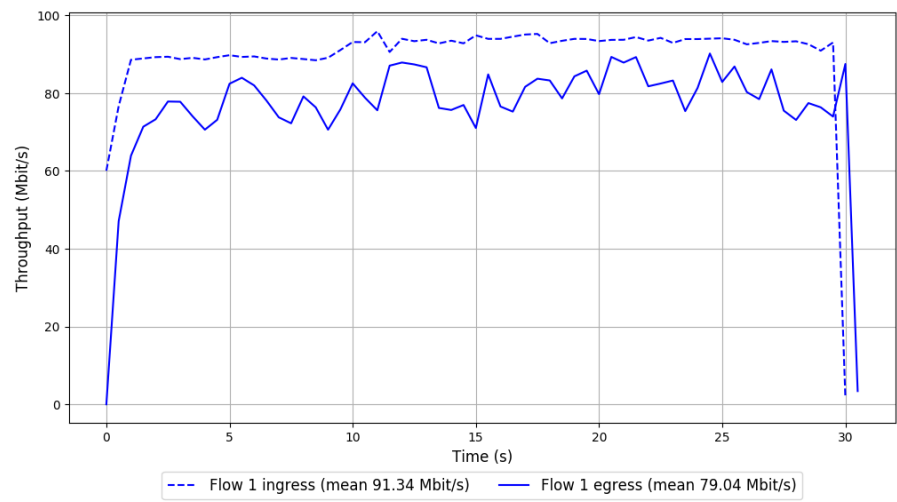
-- Flow 1:

Average throughput: 79.04 Mbit/s

95th percentile per-packet one-way delay: 14.390 ms

Loss rate: 13.48%

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



Run 5: Statistics of TaoVA-100x

Start at: 2018-05-24 04:49:48

End at: 2018-05-24 04:50:18

Local clock offset: 3.327 ms

Remote clock offset: 5.74 ms

Below is generated by plot.py at 2018-05-24 06:42:55

Datalink statistics

-- Total of 1 flow:

Average throughput: 72.62 Mbit/s

95th percentile per-packet one-way delay: 13.904 ms

Loss rate: 15.58%

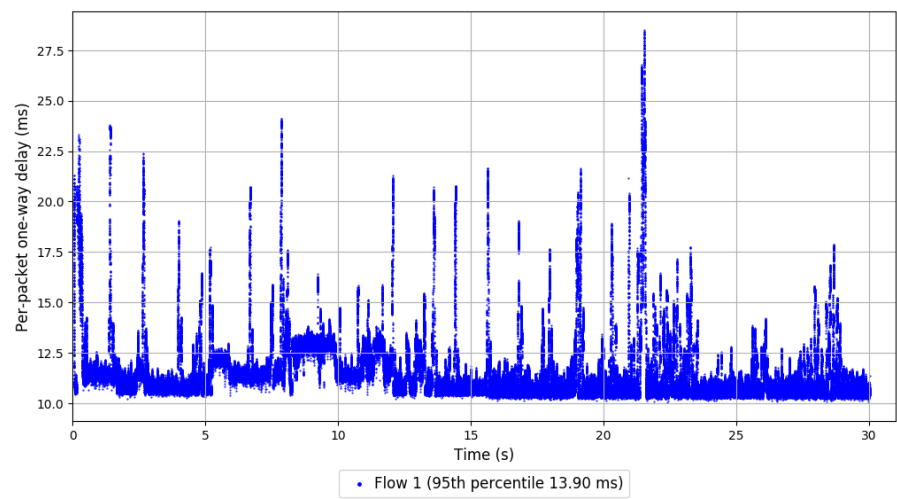
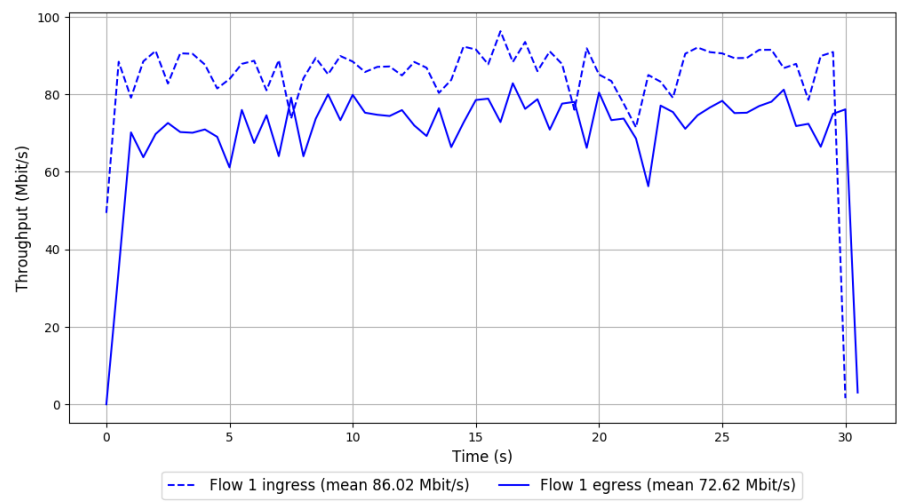
-- Flow 1:

Average throughput: 72.62 Mbit/s

95th percentile per-packet one-way delay: 13.904 ms

Loss rate: 15.58%

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



Run 6: Statistics of TaoVA-100x

Start at: 2018-05-24 05:08:21

End at: 2018-05-24 05:08:51

Local clock offset: -2.599 ms

Remote clock offset: 3.118 ms

Below is generated by plot.py at 2018-05-24 06:42:55

Datalink statistics

-- Total of 1 flow:

Average throughput: 72.18 Mbit/s

95th percentile per-packet one-way delay: 12.879 ms

Loss rate: 17.43%

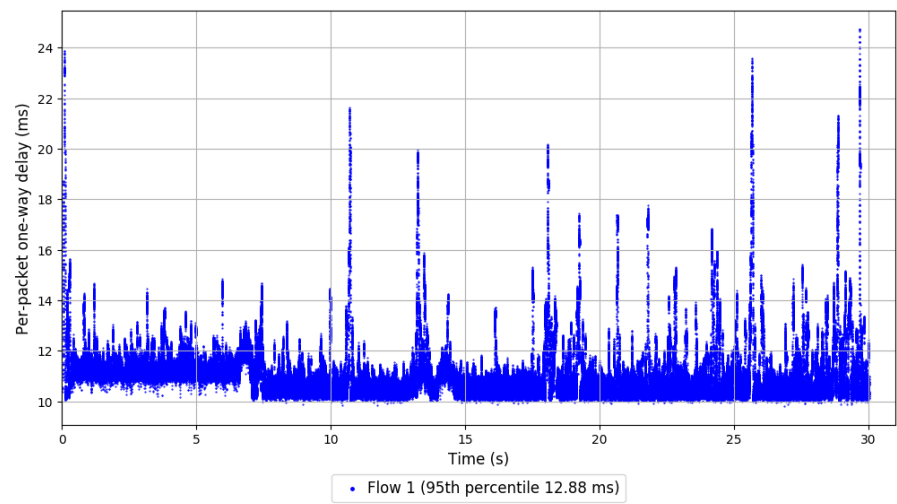
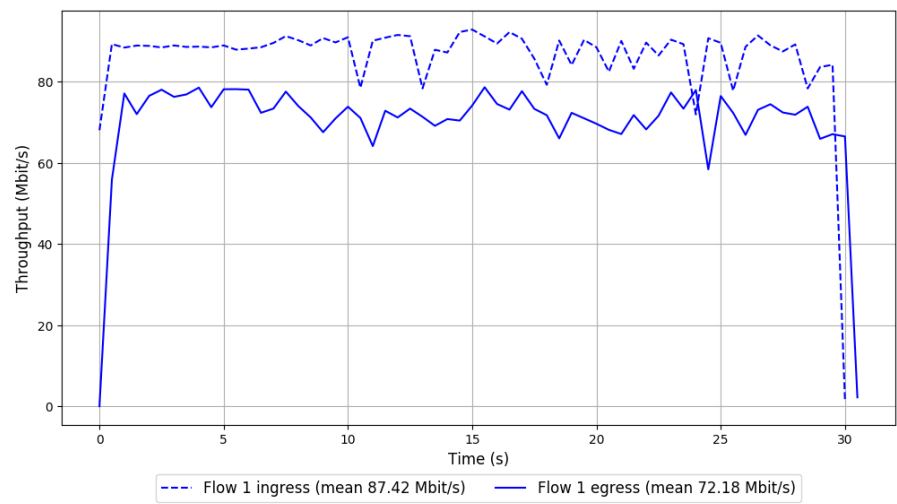
-- Flow 1:

Average throughput: 72.18 Mbit/s

95th percentile per-packet one-way delay: 12.879 ms

Loss rate: 17.43%

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



Run 7: Statistics of TaoVA-100x

Start at: 2018-05-24 05:26:16

End at: 2018-05-24 05:26:46

Local clock offset: 0.894 ms

Remote clock offset: 0.426 ms

Below is generated by plot.py at 2018-05-24 06:43:06

Datalink statistics

-- Total of 1 flow:

Average throughput: 77.94 Mbit/s

95th percentile per-packet one-way delay: 14.352 ms

Loss rate: 15.45%

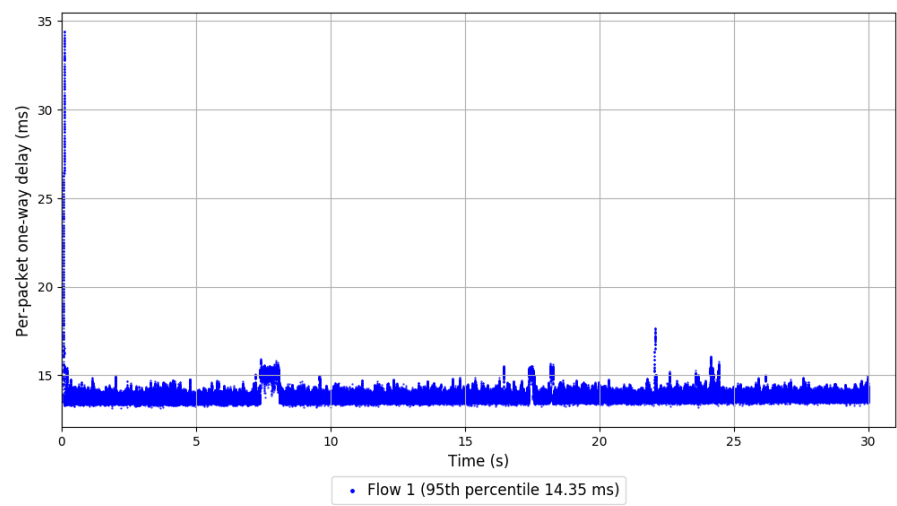
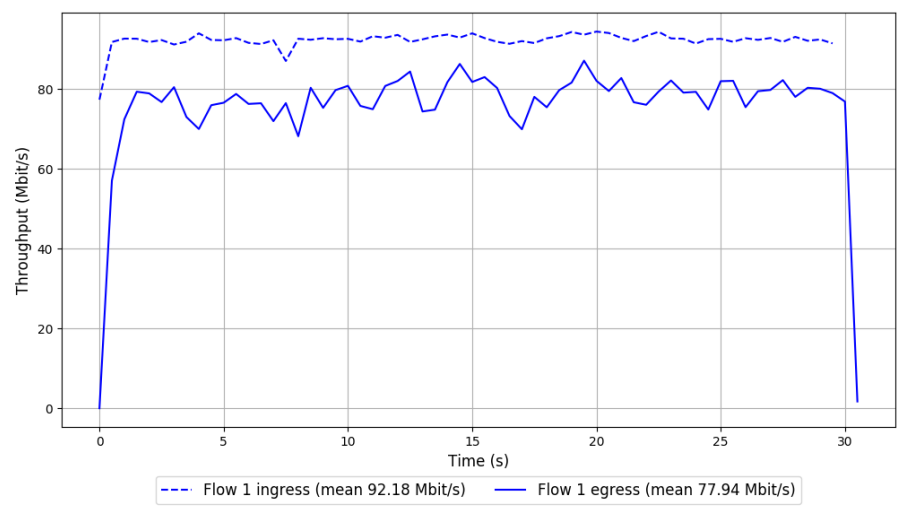
-- Flow 1:

Average throughput: 77.94 Mbit/s

95th percentile per-packet one-way delay: 14.352 ms

Loss rate: 15.45%

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



Run 8: Statistics of TaoVA-100x

Start at: 2018-05-24 05:44:47

End at: 2018-05-24 05:45:17

Local clock offset: 1.868 ms

Remote clock offset: -1.09 ms

Below is generated by plot.py at 2018-05-24 06:43:06

Datalink statistics

-- Total of 1 flow:

Average throughput: 76.18 Mbit/s

95th percentile per-packet one-way delay: 13.436 ms

Loss rate: 15.76%

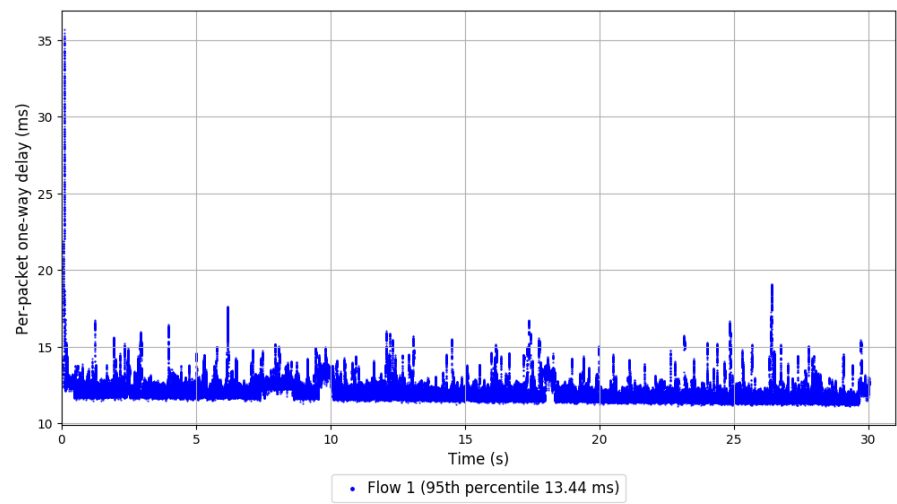
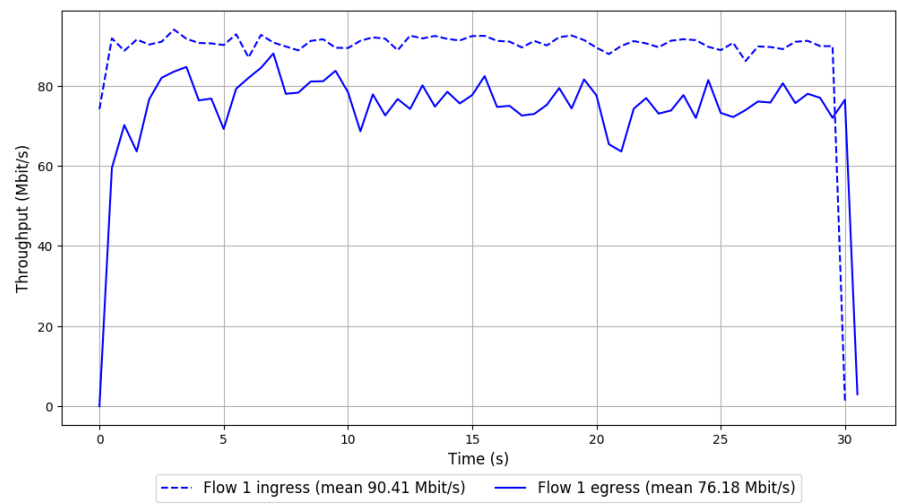
-- Flow 1:

Average throughput: 76.18 Mbit/s

95th percentile per-packet one-way delay: 13.436 ms

Loss rate: 15.76%

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



Run 9: Statistics of TaoVA-100x

Start at: 2018-05-24 06:02:44

End at: 2018-05-24 06:03:14

Local clock offset: -0.281 ms

Remote clock offset: 6.856 ms

Below is generated by plot.py at 2018-05-24 06:44:22

Datalink statistics

-- Total of 1 flow:

Average throughput: 81.32 Mbit/s

95th percentile per-packet one-way delay: 17.614 ms

Loss rate: 11.52%

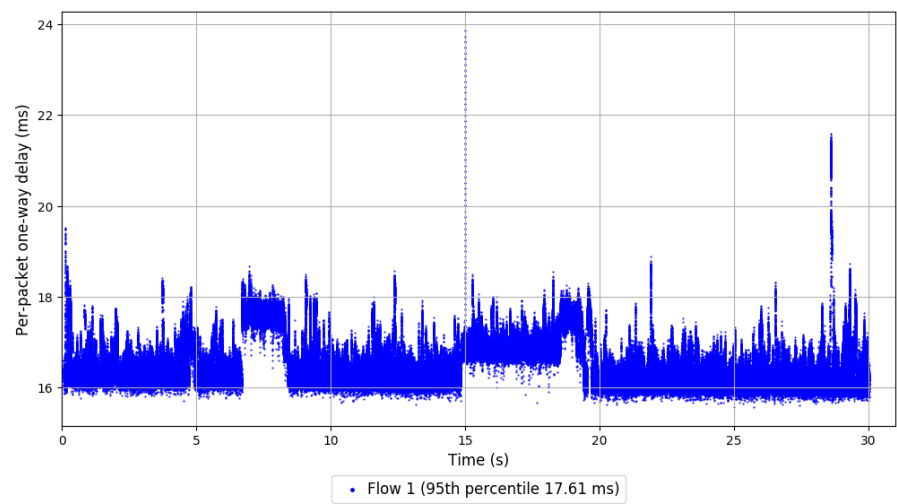
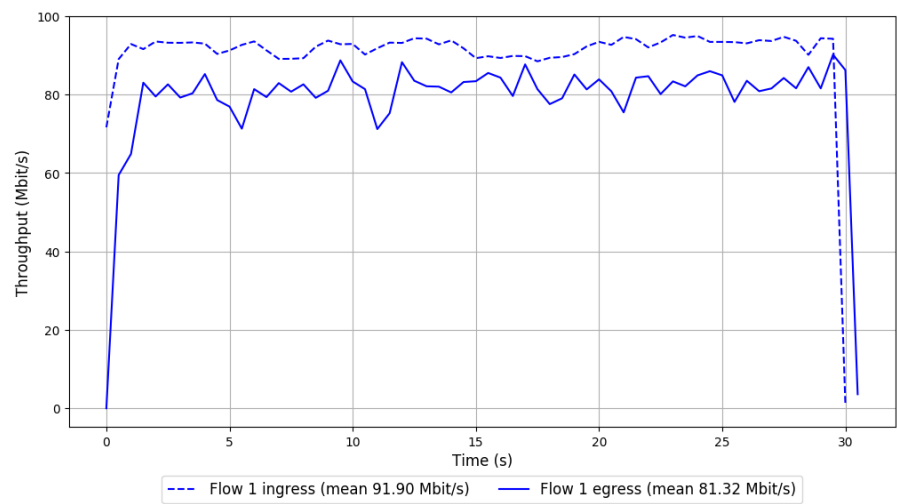
-- Flow 1:

Average throughput: 81.32 Mbit/s

95th percentile per-packet one-way delay: 17.614 ms

Loss rate: 11.52%

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



Run 10: Statistics of TaoVA-100x

Start at: 2018-05-24 06:20:40

End at: 2018-05-24 06:21:11

Local clock offset: -2.163 ms

Remote clock offset: 8.99 ms

Below is generated by plot.py at 2018-05-24 06:44:22

Datalink statistics

-- Total of 1 flow:

Average throughput: 78.98 Mbit/s

95th percentile per-packet one-way delay: 17.962 ms

Loss rate: 14.37%

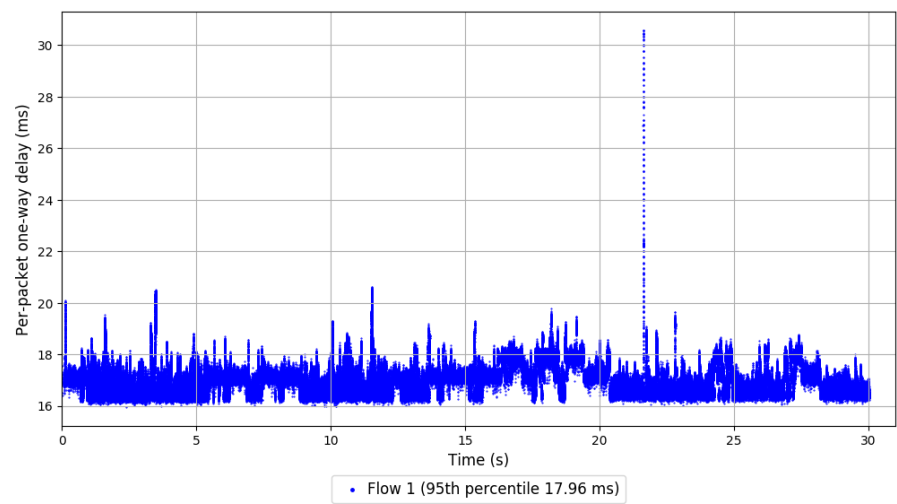
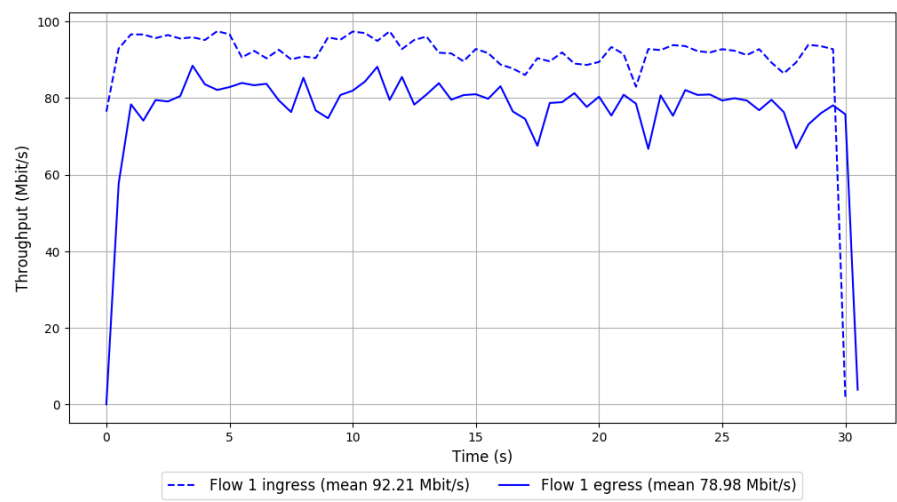
-- Flow 1:

Average throughput: 78.98 Mbit/s

95th percentile per-packet one-way delay: 17.962 ms

Loss rate: 14.37%

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

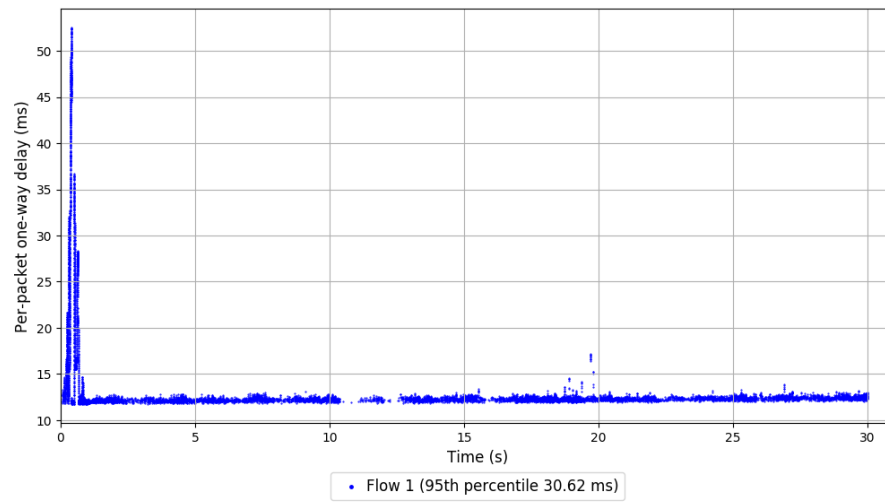
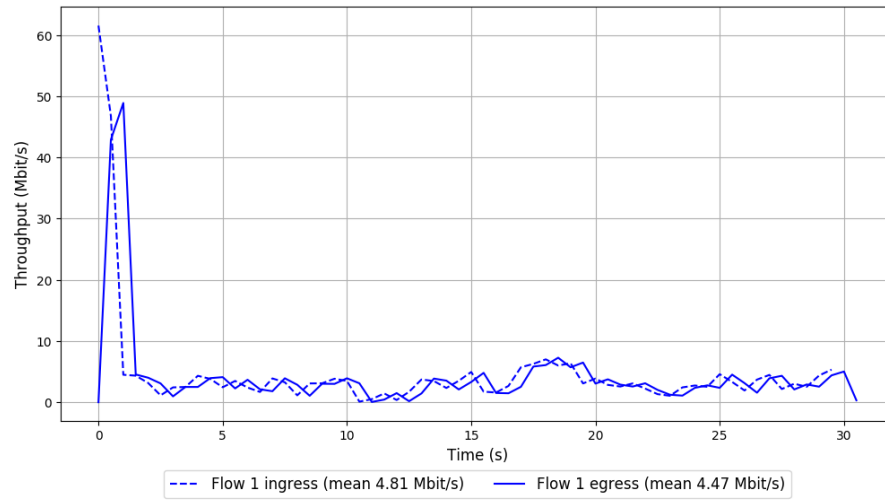


Run 1: Statistics of TCP Vegas

Start at: 2018-05-24 03:39:59
End at: 2018-05-24 03:40:29
Local clock offset: 2.33 ms
Remote clock offset: -12.61 ms

Below is generated by plot.py at 2018-05-24 06:44:22
Datalink statistics
-- Total of 1 flow:
Average throughput: 4.47 Mbit/s
95th percentile per-packet one-way delay: 30.623 ms
Loss rate: 7.19%
-- Flow 1:
Average throughput: 4.47 Mbit/s
95th percentile per-packet one-way delay: 30.623 ms
Loss rate: 7.19%

Run 1: Report of TCP Vegas — Data Link

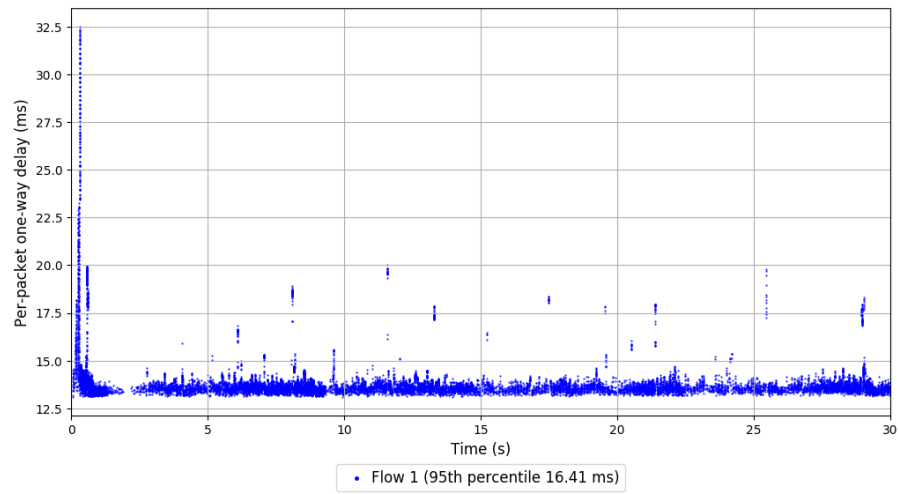
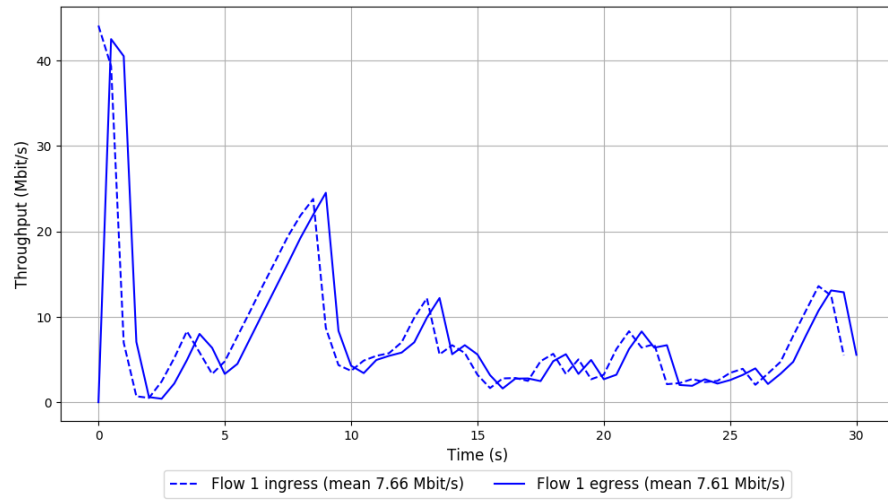


Run 2: Statistics of TCP Vegas

Start at: 2018-05-24 03:58:15
End at: 2018-05-24 03:58:45
Local clock offset: 1.297 ms
Remote clock offset: -18.254 ms

Below is generated by plot.py at 2018-05-24 06:44:22
Datalink statistics
-- Total of 1 flow:
Average throughput: 7.61 Mbit/s
95th percentile per-packet one-way delay: 16.407 ms
Loss rate: 0.71%
-- Flow 1:
Average throughput: 7.61 Mbit/s
95th percentile per-packet one-way delay: 16.407 ms
Loss rate: 0.71%

Run 2: Report of TCP Vegas — Data Link

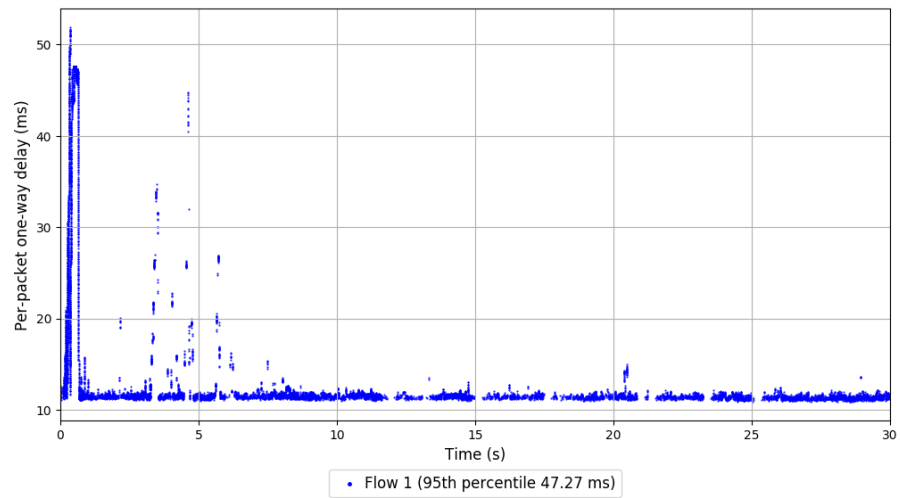
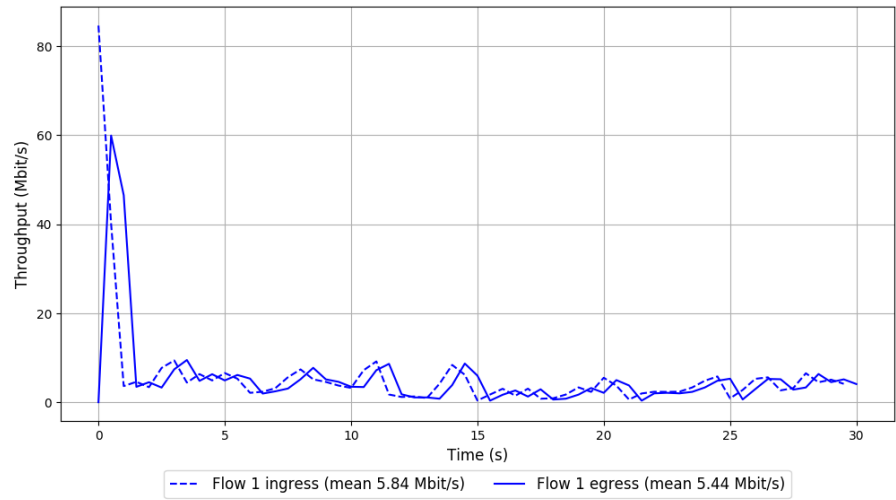


Run 3: Statistics of TCP Vegas

Start at: 2018-05-24 04:17:03
End at: 2018-05-24 04:17:33
Local clock offset: 0.382 ms
Remote clock offset: -3.854 ms

Below is generated by plot.py at 2018-05-24 06:44:22
Datalink statistics
-- Total of 1 flow:
Average throughput: 5.44 Mbit/s
95th percentile per-packet one-way delay: 47.268 ms
Loss rate: 6.85%
-- Flow 1:
Average throughput: 5.44 Mbit/s
95th percentile per-packet one-way delay: 47.268 ms
Loss rate: 6.85%

Run 3: Report of TCP Vegas — Data Link



Run 4: Statistics of TCP Vegas

Start at: 2018-05-24 04:35:20

End at: 2018-05-24 04:35:50

Local clock offset: -1.06 ms

Remote clock offset: -0.35 ms

Below is generated by plot.py at 2018-05-24 06:44:22

Datalink statistics

-- Total of 1 flow:

Average throughput: 6.75 Mbit/s

95th percentile per-packet one-way delay: 16.527 ms

Loss rate: 1.34%

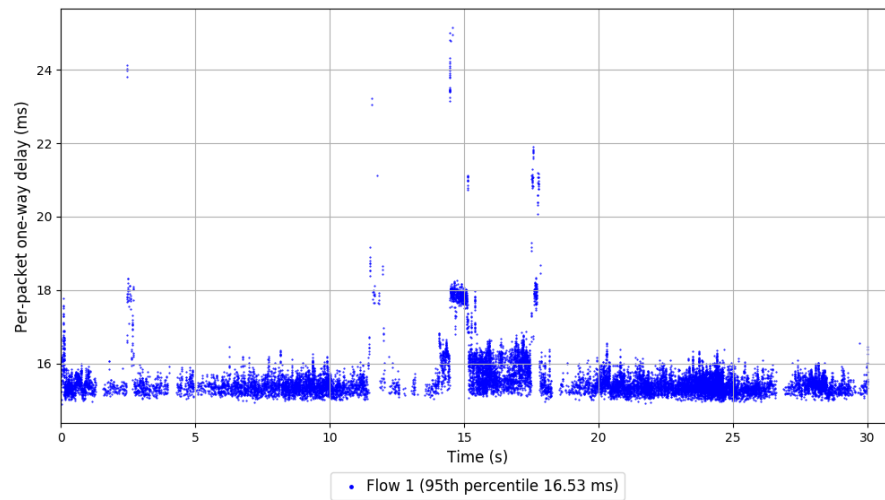
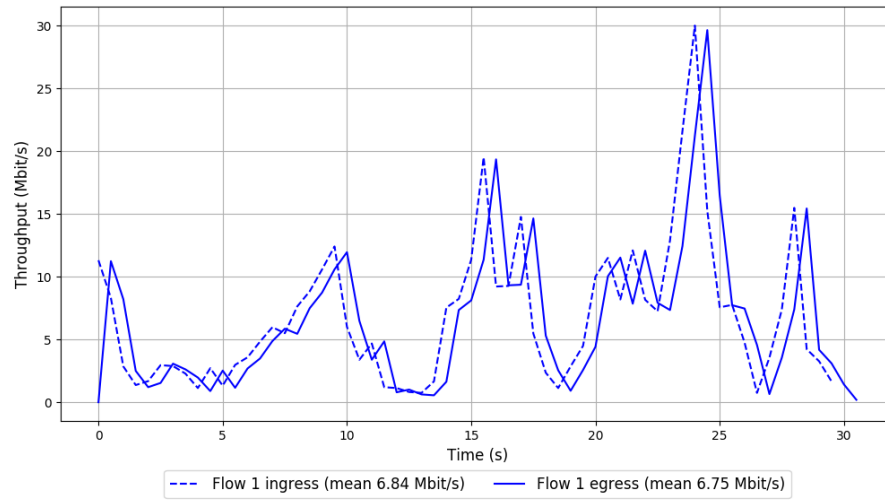
-- Flow 1:

Average throughput: 6.75 Mbit/s

95th percentile per-packet one-way delay: 16.527 ms

Loss rate: 1.34%

Run 4: Report of TCP Vegas — Data Link



Run 5: Statistics of TCP Vegas

Start at: 2018-05-24 04:53:35

End at: 2018-05-24 04:54:05

Local clock offset: 2.829 ms

Remote clock offset: 6.341 ms

Below is generated by plot.py at 2018-05-24 06:44:22

Datalink statistics

-- Total of 1 flow:

Average throughput: 12.19 Mbit/s

95th percentile per-packet one-way delay: 13.422 ms

Loss rate: 1.80%

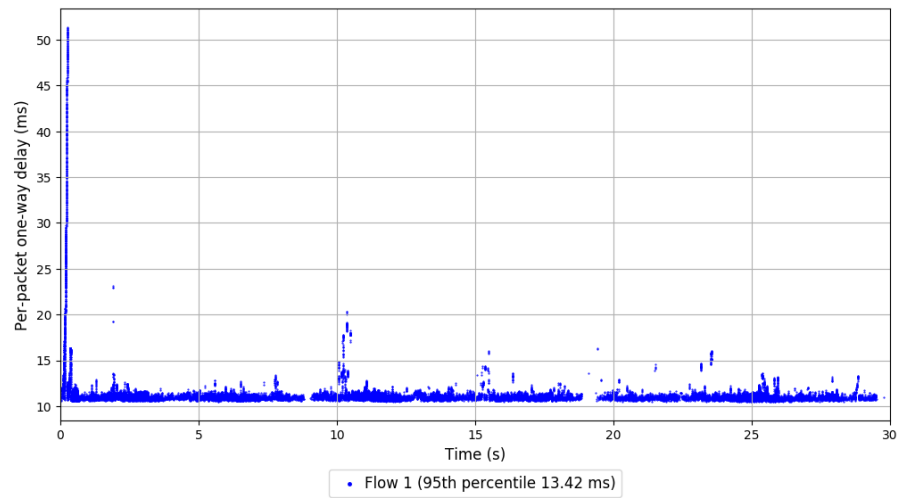
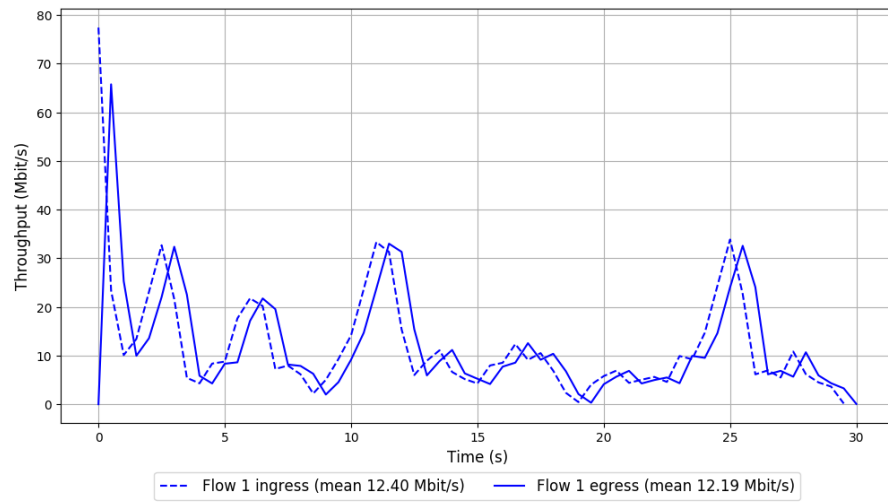
-- Flow 1:

Average throughput: 12.19 Mbit/s

95th percentile per-packet one-way delay: 13.422 ms

Loss rate: 1.80%

Run 5: Report of TCP Vegas — Data Link



Run 6: Statistics of TCP Vegas

Start at: 2018-05-24 05:11:46

End at: 2018-05-24 05:12:16

Local clock offset: 3.04 ms

Remote clock offset: 7.339 ms

Below is generated by plot.py at 2018-05-24 06:44:22

Datalink statistics

-- Total of 1 flow:

Average throughput: 5.82 Mbit/s

95th percentile per-packet one-way delay: 11.410 ms

Loss rate: 2.61%

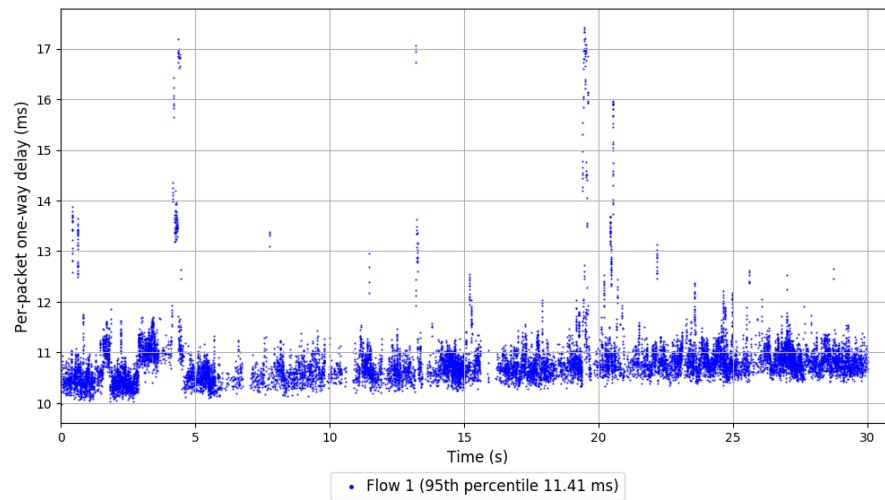
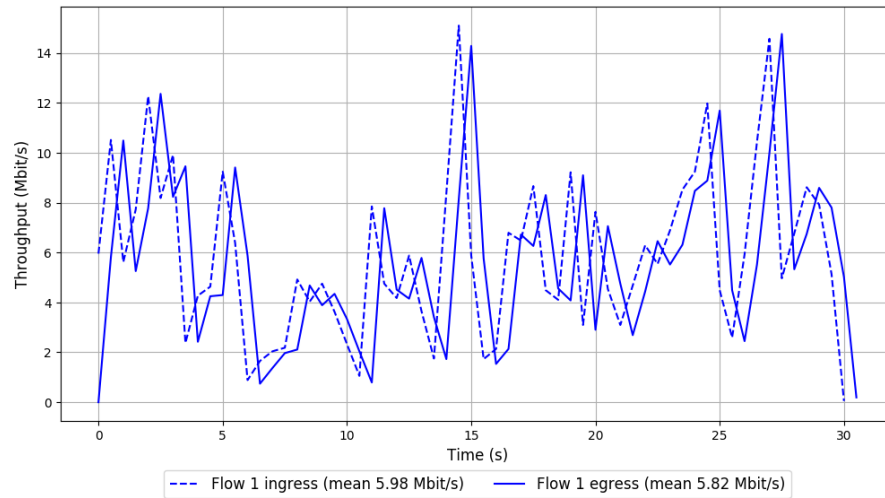
-- Flow 1:

Average throughput: 5.82 Mbit/s

95th percentile per-packet one-way delay: 11.410 ms

Loss rate: 2.61%

Run 6: Report of TCP Vegas — Data Link



Run 7: Statistics of TCP Vegas

Start at: 2018-05-24 05:29:46

End at: 2018-05-24 05:30:16

Local clock offset: 0.557 ms

Remote clock offset: 0.201 ms

Below is generated by plot.py at 2018-05-24 06:44:22

Datalink statistics

-- Total of 1 flow:

Average throughput: 7.41 Mbit/s

95th percentile per-packet one-way delay: 15.554 ms

Loss rate: 1.26%

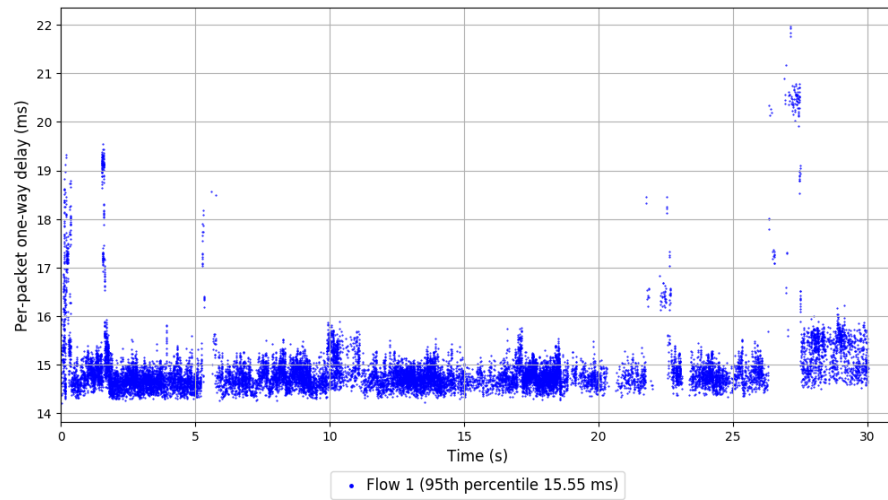
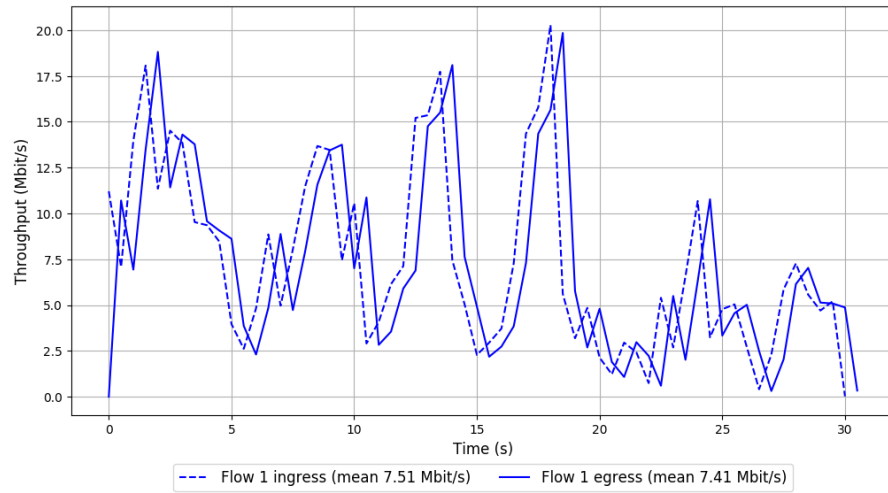
-- Flow 1:

Average throughput: 7.41 Mbit/s

95th percentile per-packet one-way delay: 15.554 ms

Loss rate: 1.26%

Run 7: Report of TCP Vegas — Data Link



Run 8: Statistics of TCP Vegas

Start at: 2018-05-24 05:48:14

End at: 2018-05-24 05:48:44

Local clock offset: 1.036 ms

Remote clock offset: 0.36 ms

Below is generated by plot.py at 2018-05-24 06:44:22

Datalink statistics

-- Total of 1 flow:

Average throughput: 5.86 Mbit/s

95th percentile per-packet one-way delay: 16.414 ms

Loss rate: 2.96%

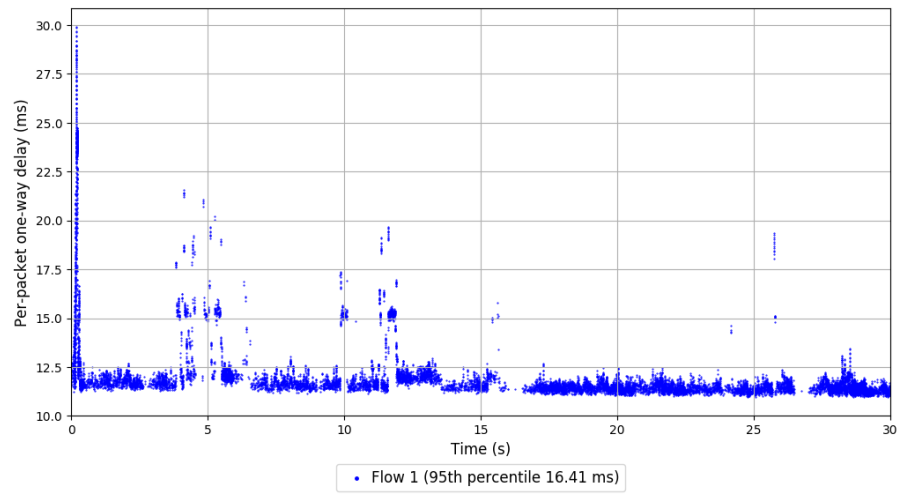
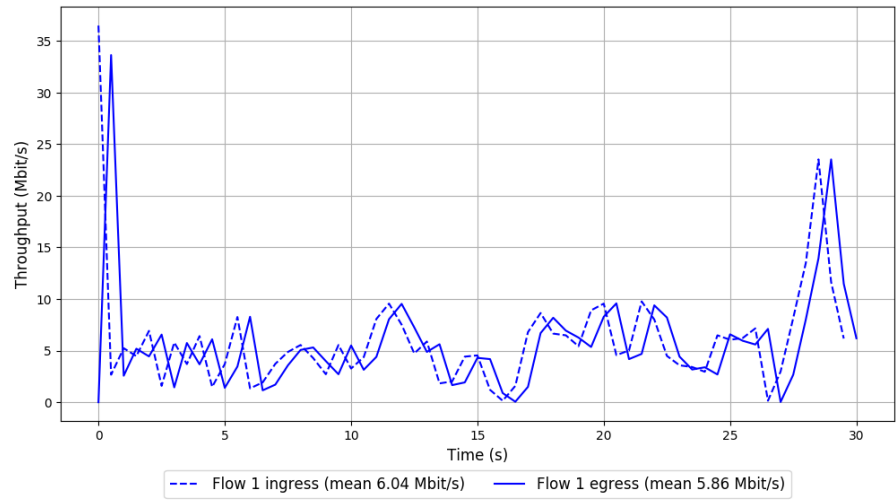
-- Flow 1:

Average throughput: 5.86 Mbit/s

95th percentile per-packet one-way delay: 16.414 ms

Loss rate: 2.96%

Run 8: Report of TCP Vegas — Data Link



Run 9: Statistics of TCP Vegas

Start at: 2018-05-24 06:06:08

End at: 2018-05-24 06:06:38

Local clock offset: -0.4 ms

Remote clock offset: 6.095 ms

Below is generated by plot.py at 2018-05-24 06:44:22

Datalink statistics

-- Total of 1 flow:

Average throughput: 6.74 Mbit/s

95th percentile per-packet one-way delay: 13.422 ms

Loss rate: 3.75%

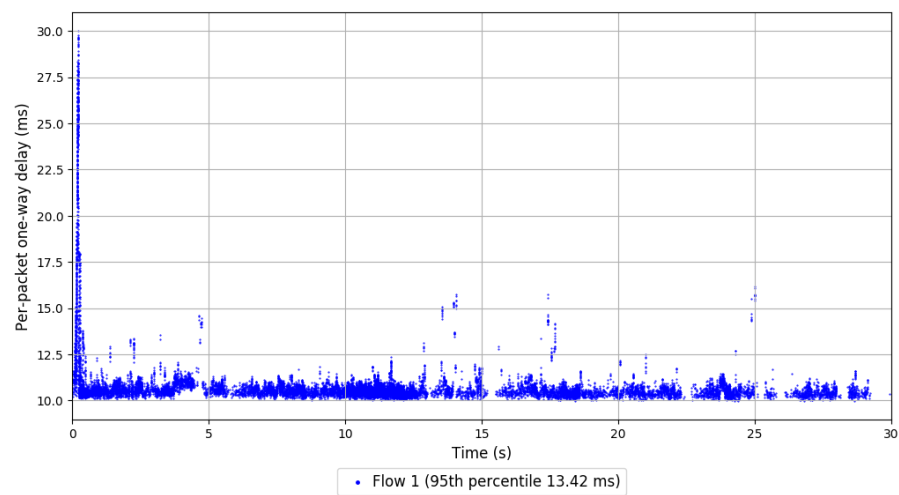
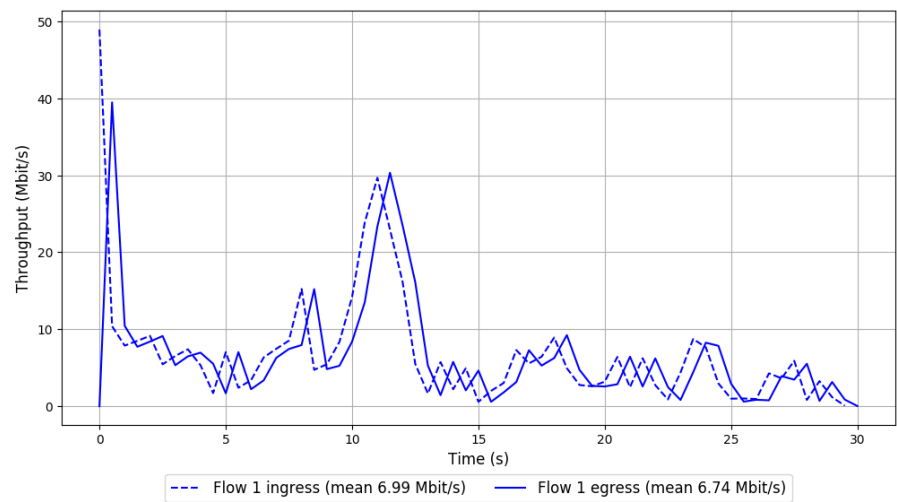
-- Flow 1:

Average throughput: 6.74 Mbit/s

95th percentile per-packet one-way delay: 13.422 ms

Loss rate: 3.75%

Run 9: Report of TCP Vegas — Data Link



Run 10: Statistics of TCP Vegas

Start at: 2018-05-24 06:24:07

End at: 2018-05-24 06:24:37

Local clock offset: -3.059 ms

Remote clock offset: 8.432 ms

Below is generated by plot.py at 2018-05-24 06:44:22

Datalink statistics

-- Total of 1 flow:

Average throughput: 5.20 Mbit/s

95th percentile per-packet one-way delay: 26.322 ms

Loss rate: 2.51%

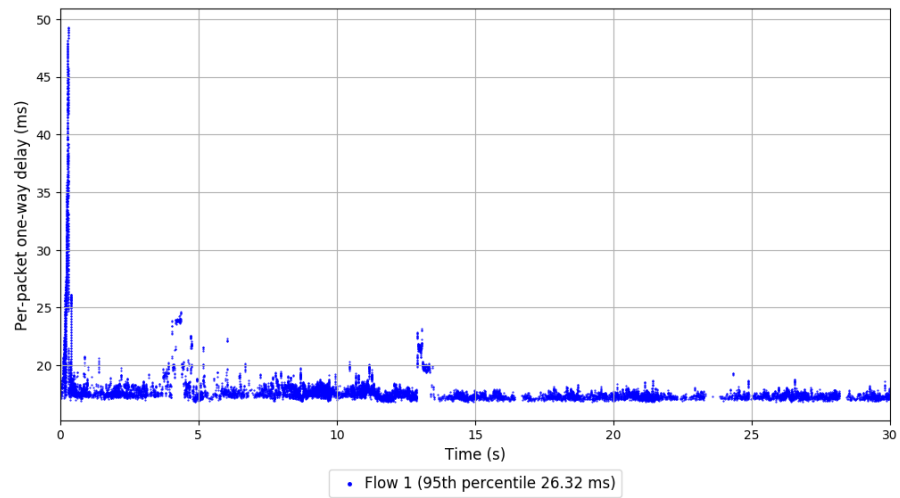
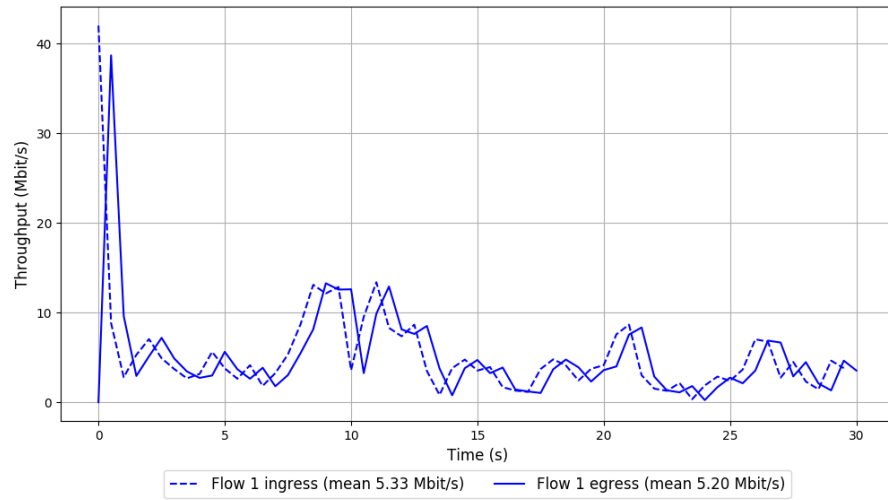
-- Flow 1:

Average throughput: 5.20 Mbit/s

95th percentile per-packet one-way delay: 26.322 ms

Loss rate: 2.51%

Run 10: Report of TCP Vegas — Data Link



Run 1: Statistics of Verus

Start at: 2018-05-24 03:43:23

End at: 2018-05-24 03:43:53

Local clock offset: -1.661 ms

Remote clock offset: -13.778 ms

Run 1: Report of Verus — Data Link

Figure is missing

Figure is missing

Run 2: Statistics of Verus

Start at: 2018-05-24 04:01:52

End at: 2018-05-24 04:02:22

Local clock offset: 2.329 ms

Remote clock offset: -20.323 ms

Run 2: Report of Verus — Data Link

Figure is missing

Figure is missing

Run 3: Statistics of Verus

Start at: 2018-05-24 04:20:43

End at: 2018-05-24 04:21:13

Local clock offset: -0.579 ms

Remote clock offset: -1.826 ms

Run 3: Report of Verus — Data Link

Figure is missing

Figure is missing

Run 4: Statistics of Verus

Start at: 2018-05-24 04:38:43

End at: 2018-05-24 04:39:13

Local clock offset: 0.072 ms

Remote clock offset: 1.459 ms

Run 4: Report of Verus — Data Link

Figure is missing

Figure is missing

Run 5: Statistics of Verus

Start at: 2018-05-24 04:57:02

End at: 2018-05-24 04:57:32

Local clock offset: 1.784 ms

Remote clock offset: 5.511 ms

Run 5: Report of Verus — Data Link

Figure is missing

Figure is missing

Run 6: Statistics of Verus

Start at: 2018-05-24 05:15:15

End at: 2018-05-24 05:15:45

Local clock offset: 0.051 ms

Remote clock offset: 3.484 ms

Run 6: Report of Verus — Data Link

Figure is missing

Figure is missing

Run 7: Statistics of Verus

Start at: 2018-05-24 05:33:31

End at: 2018-05-24 05:34:01

Local clock offset: 0.587 ms

Remote clock offset: -0.87 ms

Run 7: Report of Verus — Data Link

Figure is missing

Figure is missing

Run 8: Statistics of Verus

Start at: 2018-05-24 05:51:44

End at: 2018-05-24 05:52:14

Local clock offset: 1.803 ms

Remote clock offset: 2.622 ms

Run 8: Report of Verus — Data Link

Figure is missing

Figure is missing

Run 9: Statistics of Verus

Start at: 2018-05-24 06:09:38

End at: 2018-05-24 06:10:08

Local clock offset: -0.623 ms

Remote clock offset: 7.476 ms

Run 9: Report of Verus — Data Link

Figure is missing

Figure is missing

Run 10: Statistics of Verus

Start at: 2018-05-24 06:27:57

End at: 2018-05-24 06:28:27

Local clock offset: -1.589 ms

Remote clock offset: 8.249 ms

Run 10: Report of Verus — Data Link

Figure is missing

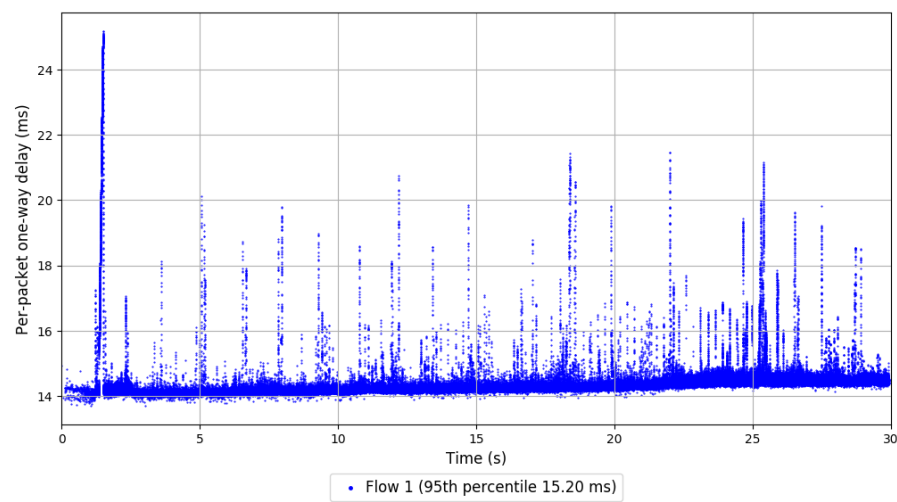
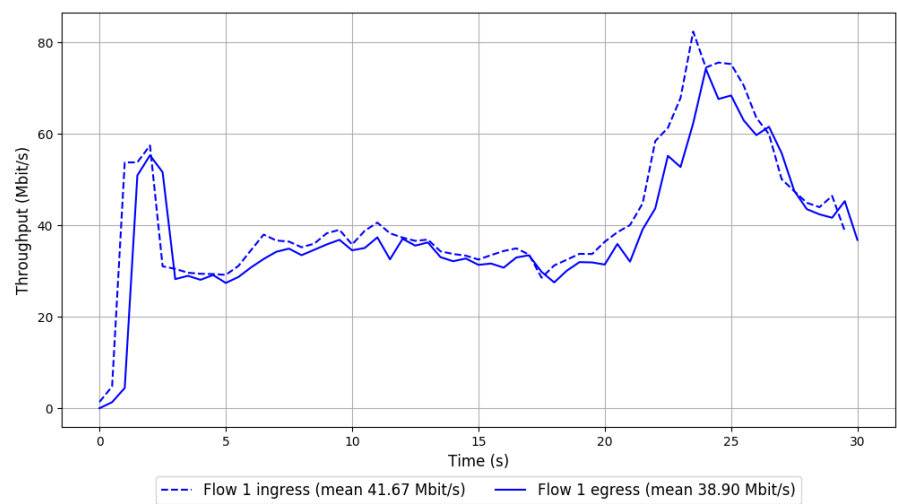
Figure is missing

Run 1: Statistics of PCC-Vivace

Start at: 2018-05-24 03:37:45
End at: 2018-05-24 03:38:15
Local clock offset: -0.535 ms
Remote clock offset: -10.574 ms

Below is generated by plot.py at 2018-05-24 06:44:22
Datalink statistics
-- Total of 1 flow:
Average throughput: 38.90 Mbit/s
95th percentile per-packet one-way delay: 15.204 ms
Loss rate: 6.64%
-- Flow 1:
Average throughput: 38.90 Mbit/s
95th percentile per-packet one-way delay: 15.204 ms
Loss rate: 6.64%

Run 1: Report of PCC-Vivace — Data Link

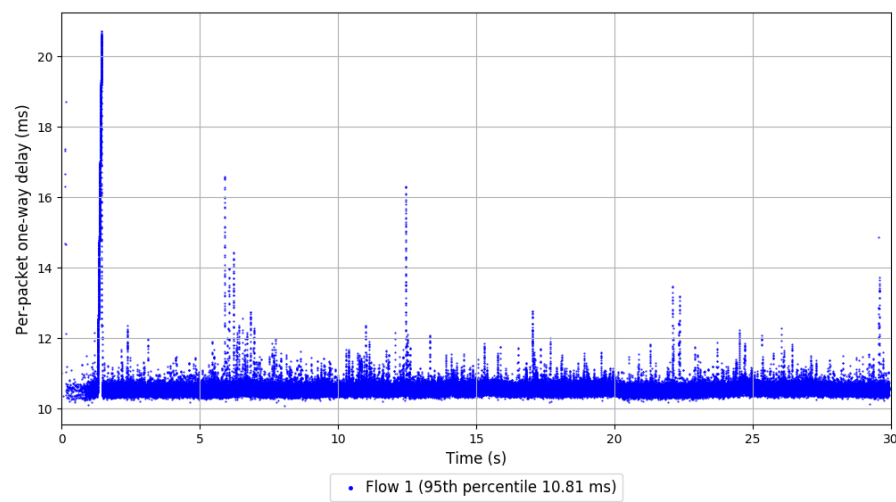
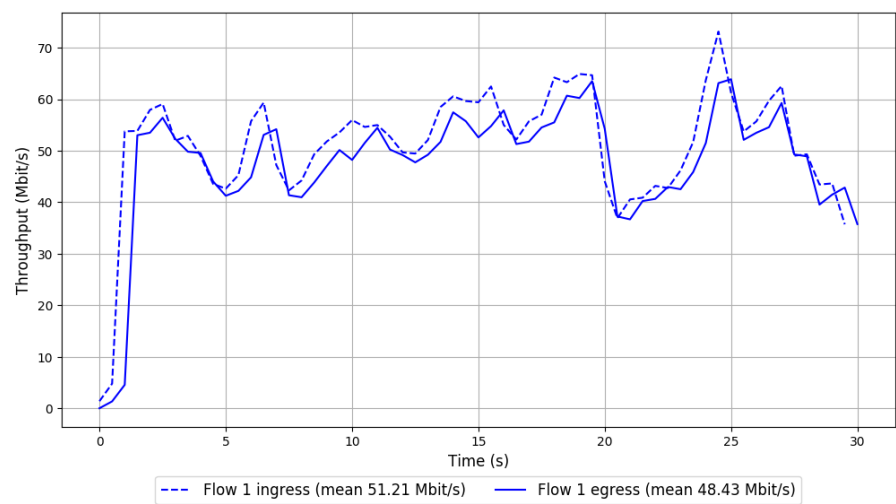


Run 2: Statistics of PCC-Vivace

Start at: 2018-05-24 03:56:01
End at: 2018-05-24 03:56:31
Local clock offset: 4.069 ms
Remote clock offset: -18.164 ms

Below is generated by plot.py at 2018-05-24 06:44:22
Datalink statistics
-- Total of 1 flow:
Average throughput: 48.43 Mbit/s
95th percentile per-packet one-way delay: 10.812 ms
Loss rate: 5.42%
-- Flow 1:
Average throughput: 48.43 Mbit/s
95th percentile per-packet one-way delay: 10.812 ms
Loss rate: 5.42%

Run 2: Report of PCC-Vivace — Data Link

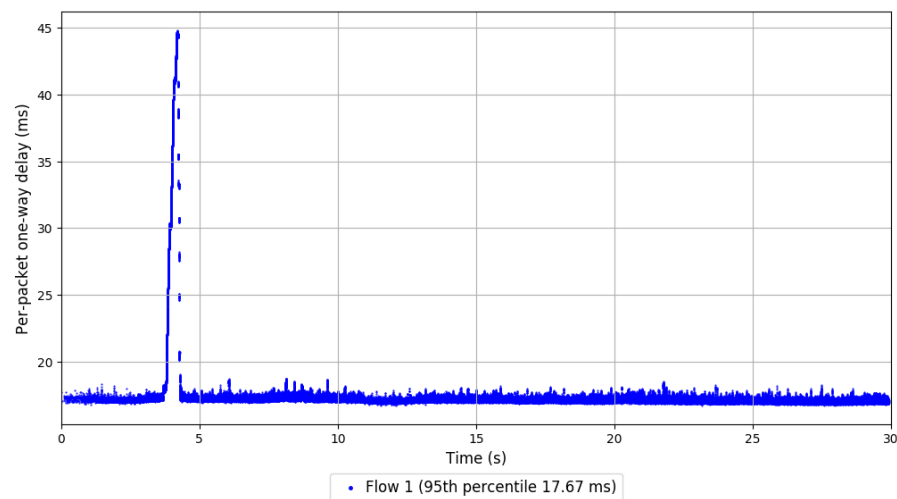
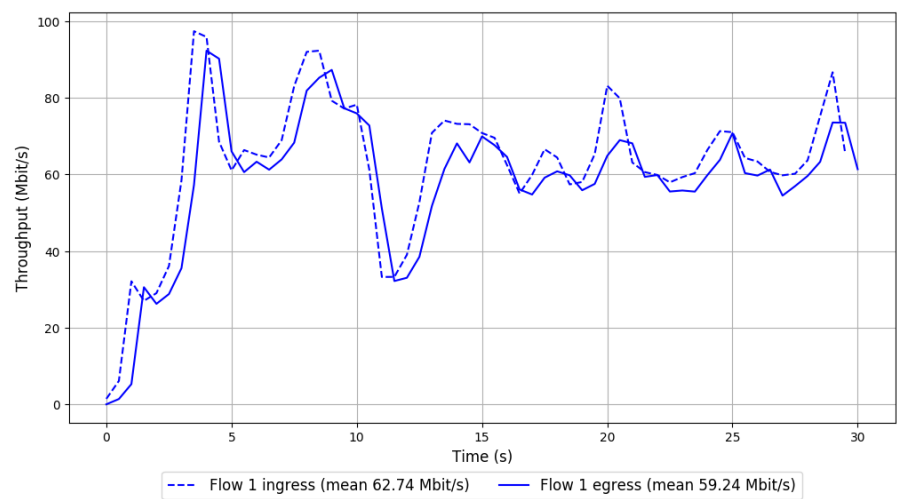


Run 3: Statistics of PCC-Vivace

Start at: 2018-05-24 04:14:31
End at: 2018-05-24 04:15:01
Local clock offset: -4.2 ms
Remote clock offset: -4.861 ms

Below is generated by plot.py at 2018-05-24 06:44:22
Datalink statistics
-- Total of 1 flow:
Average throughput: 59.24 Mbit/s
95th percentile per-packet one-way delay: 17.667 ms
Loss rate: 5.58%
-- Flow 1:
Average throughput: 59.24 Mbit/s
95th percentile per-packet one-way delay: 17.667 ms
Loss rate: 5.58%

Run 3: Report of PCC-Vivace — Data Link

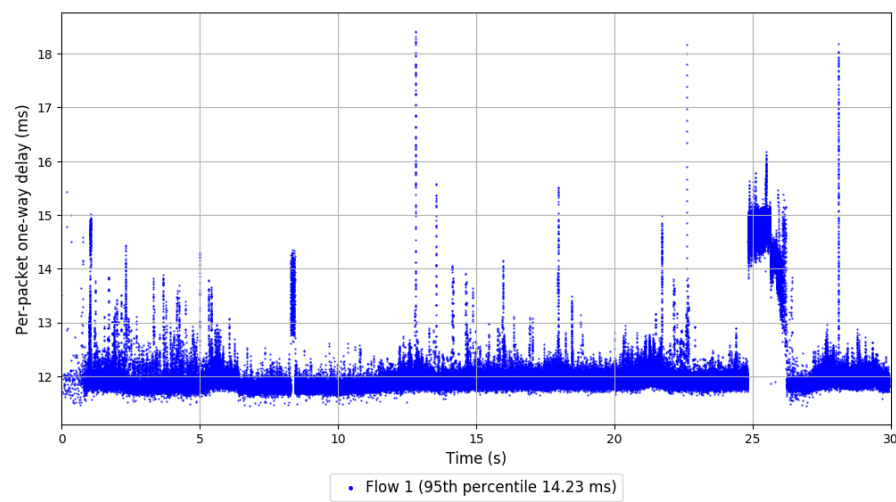
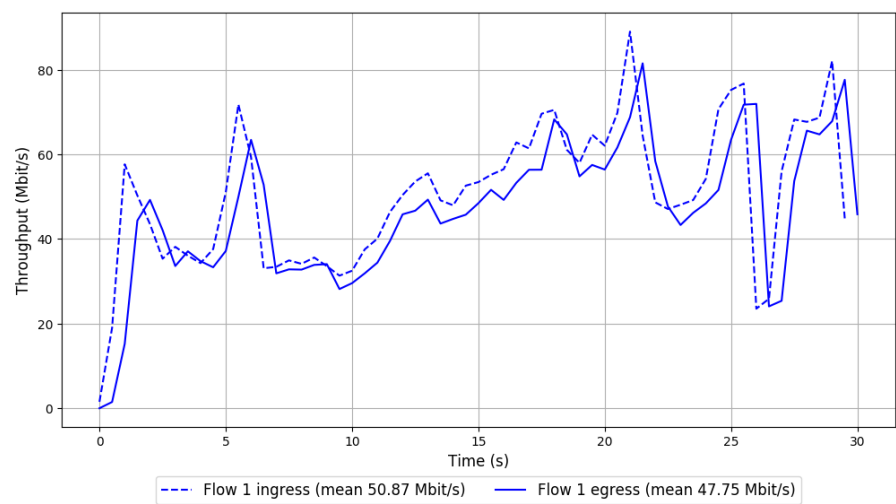


Run 4: Statistics of PCC-Vivace

Start at: 2018-05-24 04:33:08
End at: 2018-05-24 04:33:38
Local clock offset: -0.762 ms
Remote clock offset: -2.053 ms

Below is generated by plot.py at 2018-05-24 06:44:22
Datalink statistics
-- Total of 1 flow:
Average throughput: 47.75 Mbit/s
95th percentile per-packet one-way delay: 14.234 ms
Loss rate: 6.14%
-- Flow 1:
Average throughput: 47.75 Mbit/s
95th percentile per-packet one-way delay: 14.234 ms
Loss rate: 6.14%

Run 4: Report of PCC-Vivace — Data Link



Run 5: Statistics of PCC-Vivace

Start at: 2018-05-24 04:51:03

End at: 2018-05-24 04:51:33

Local clock offset: -1.866 ms

Remote clock offset: 6.157 ms

Below is generated by plot.py at 2018-05-24 06:44:22

Datalink statistics

-- Total of 1 flow:

Average throughput: 28.77 Mbit/s

95th percentile per-packet one-way delay: 18.276 ms

Loss rate: 5.60%

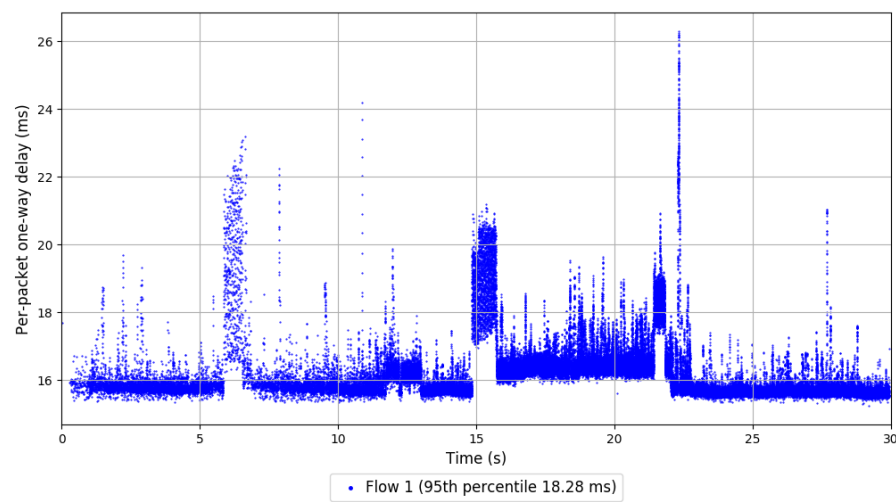
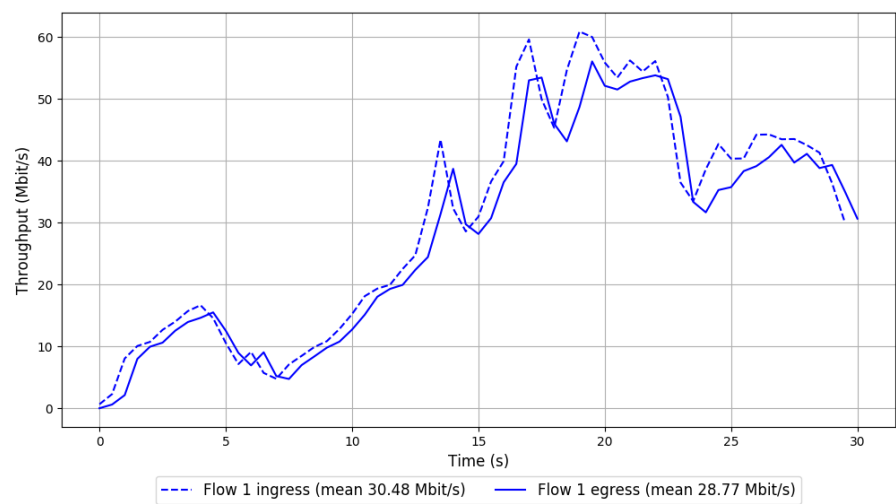
-- Flow 1:

Average throughput: 28.77 Mbit/s

95th percentile per-packet one-way delay: 18.276 ms

Loss rate: 5.60%

Run 5: Report of PCC-Vivace — Data Link



Run 6: Statistics of PCC-Vivace

Start at: 2018-05-24 05:09:37

End at: 2018-05-24 05:10:07

Local clock offset: 1.234 ms

Remote clock offset: 8.869 ms

Below is generated by plot.py at 2018-05-24 06:44:22

Datalink statistics

-- Total of 1 flow:

Average throughput: 2.75 Mbit/s

95th percentile per-packet one-way delay: 13.771 ms

Loss rate: 9.66%

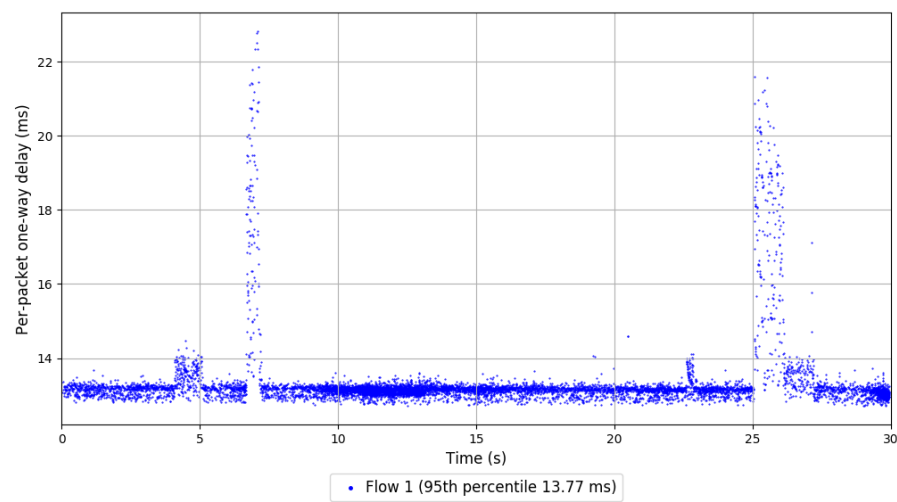
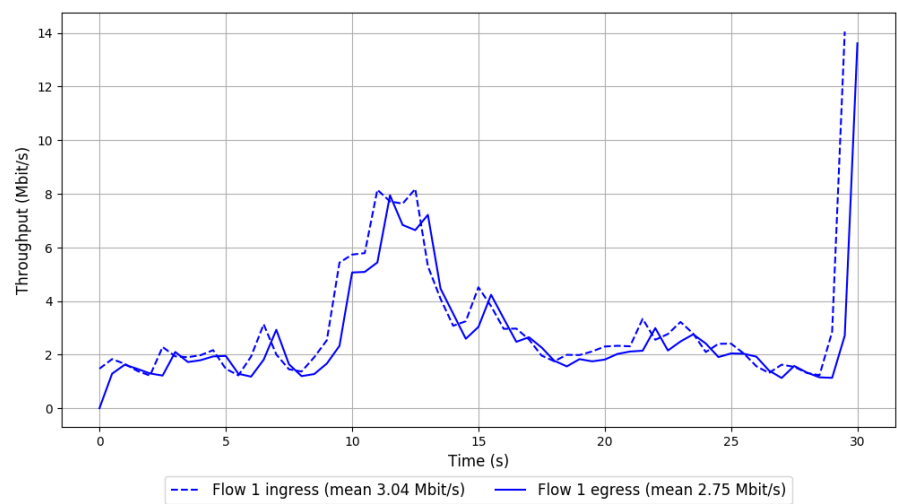
-- Flow 1:

Average throughput: 2.75 Mbit/s

95th percentile per-packet one-way delay: 13.771 ms

Loss rate: 9.66%

Run 6: Report of PCC-Vivace — Data Link



Run 7: Statistics of PCC-Vivace

Start at: 2018-05-24 05:27:34

End at: 2018-05-24 05:28:04

Local clock offset: 1.076 ms

Remote clock offset: -1.195 ms

Below is generated by plot.py at 2018-05-24 06:44:22

Datalink statistics

-- Total of 1 flow:

Average throughput: 17.87 Mbit/s

95th percentile per-packet one-way delay: 12.069 ms

Loss rate: 6.20%

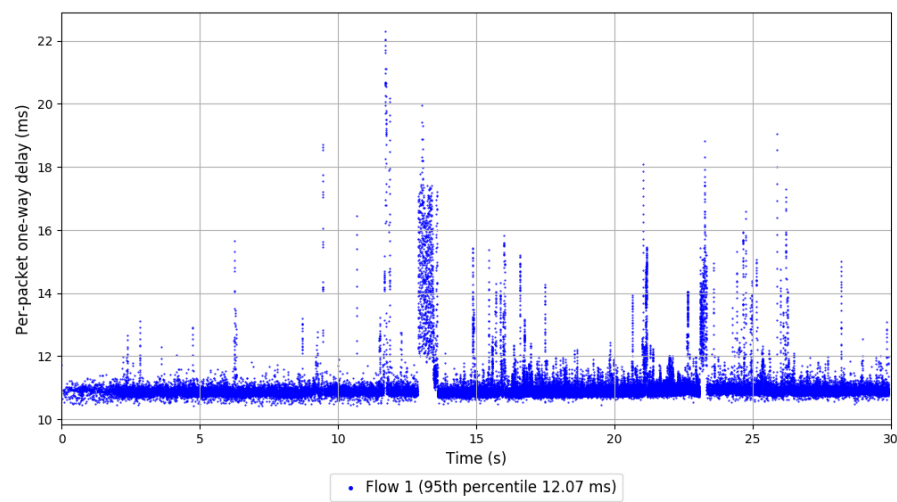
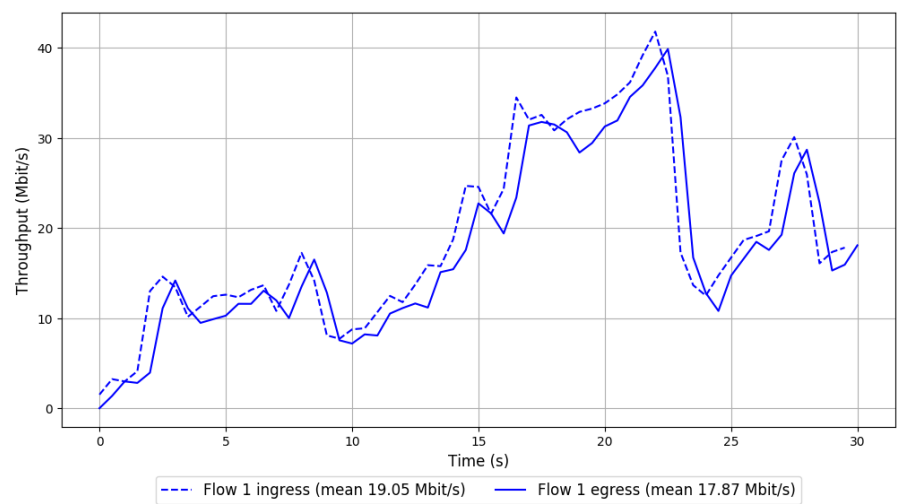
-- Flow 1:

Average throughput: 17.87 Mbit/s

95th percentile per-packet one-way delay: 12.069 ms

Loss rate: 6.20%

Run 7: Report of PCC-Vivace — Data Link



Run 8: Statistics of PCC-Vivace

Start at: 2018-05-24 05:46:00

End at: 2018-05-24 05:46:30

Local clock offset: 2.801 ms

Remote clock offset: 0.029 ms

Below is generated by plot.py at 2018-05-24 06:44:22

Datalink statistics

-- Total of 1 flow:

Average throughput: 31.63 Mbit/s

95th percentile per-packet one-way delay: 14.049 ms

Loss rate: 7.10%

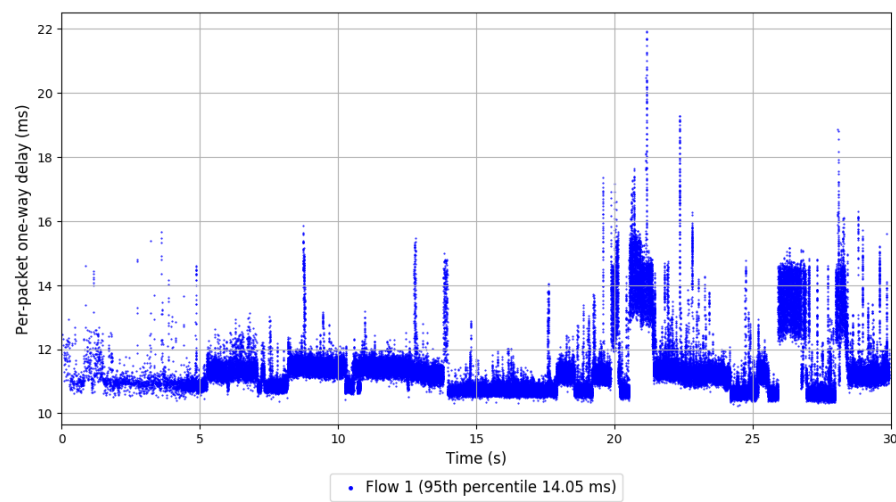
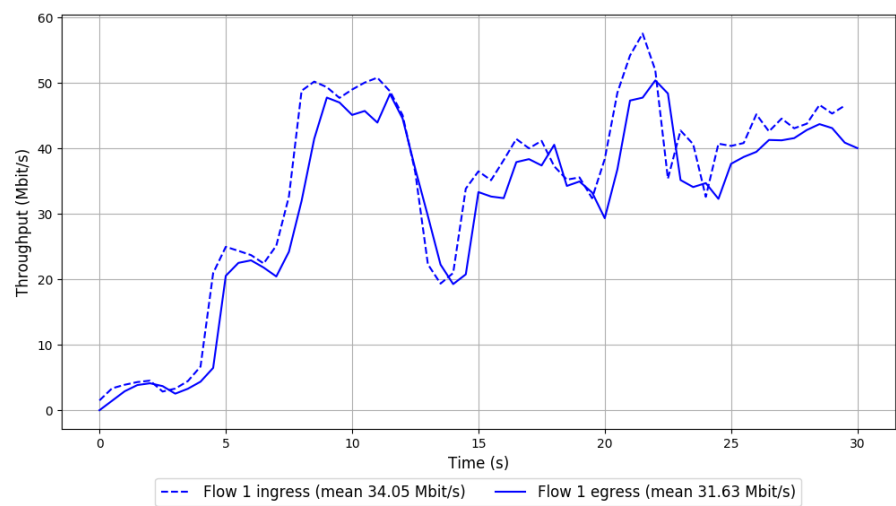
-- Flow 1:

Average throughput: 31.63 Mbit/s

95th percentile per-packet one-way delay: 14.049 ms

Loss rate: 7.10%

Run 8: Report of PCC-Vivace — Data Link



Run 9: Statistics of PCC-Vivace

Start at: 2018-05-24 06:03:57

End at: 2018-05-24 06:04:27

Local clock offset: -2.229 ms

Remote clock offset: 5.826 ms

Below is generated by plot.py at 2018-05-24 06:44:22

Datalink statistics

-- Total of 1 flow:

Average throughput: 41.17 Mbit/s

95th percentile per-packet one-way delay: 13.660 ms

Loss rate: 5.07%

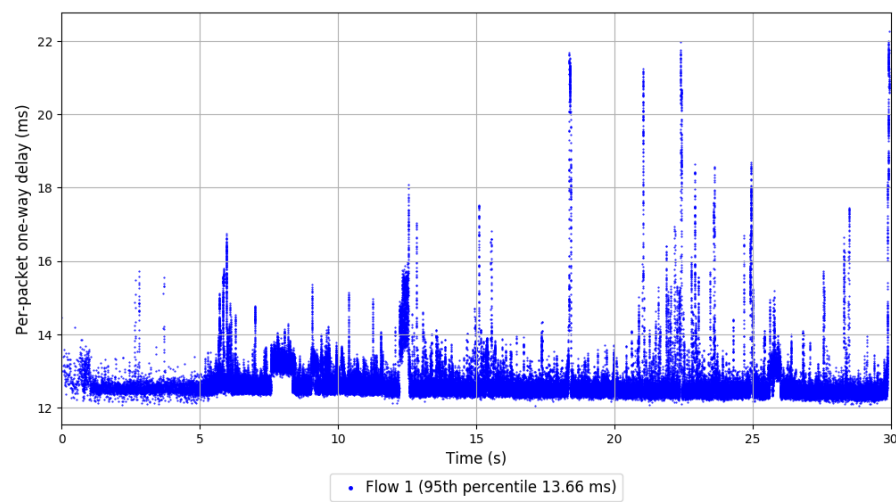
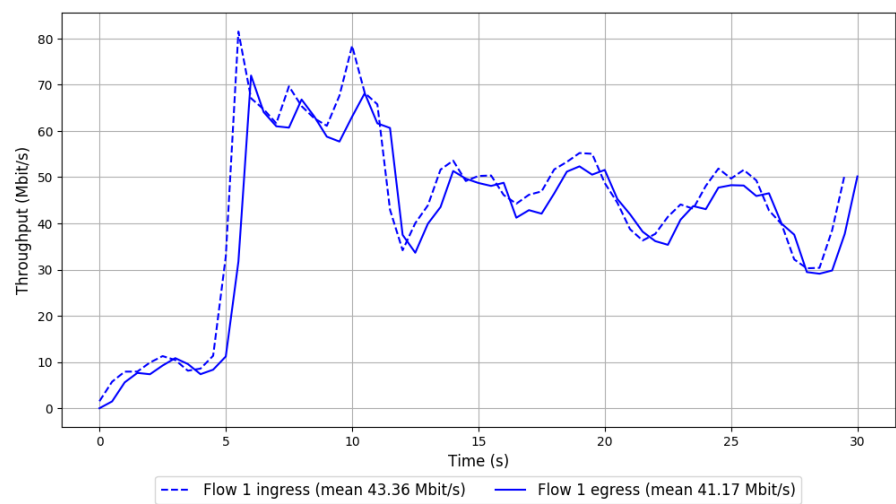
-- Flow 1:

Average throughput: 41.17 Mbit/s

95th percentile per-packet one-way delay: 13.660 ms

Loss rate: 5.07%

Run 9: Report of PCC-Vivace — Data Link



Run 10: Statistics of PCC-Vivace

Start at: 2018-05-24 06:21:55

End at: 2018-05-24 06:22:25

Local clock offset: -2.913 ms

Remote clock offset: 8.99 ms

Below is generated by plot.py at 2018-05-24 06:44:22

Datalink statistics

-- Total of 1 flow:

Average throughput: 40.13 Mbit/s

95th percentile per-packet one-way delay: 14.673 ms

Loss rate: 6.44%

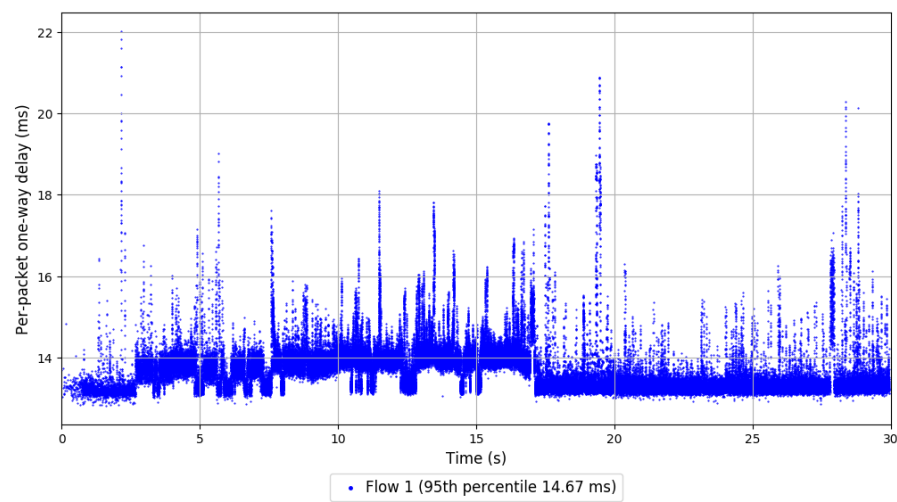
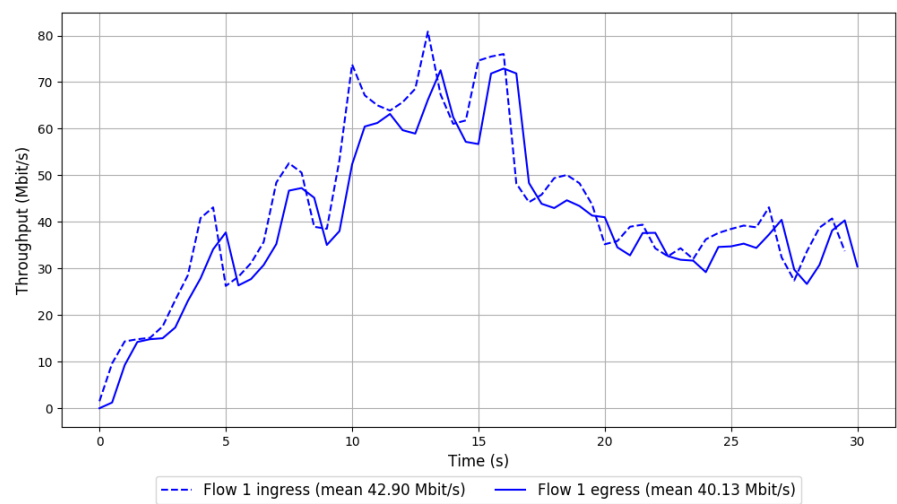
-- Flow 1:

Average throughput: 40.13 Mbit/s

95th percentile per-packet one-way delay: 14.673 ms

Loss rate: 6.44%

Run 10: Report of PCC-Vivace — Data Link

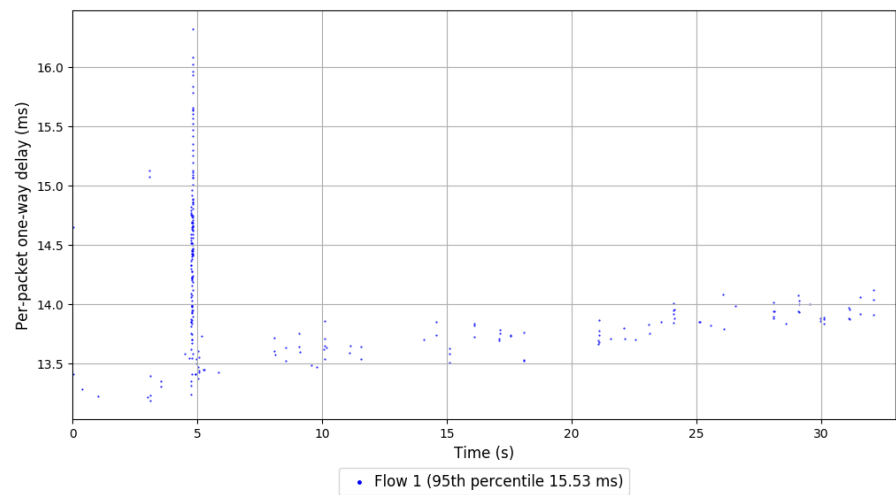
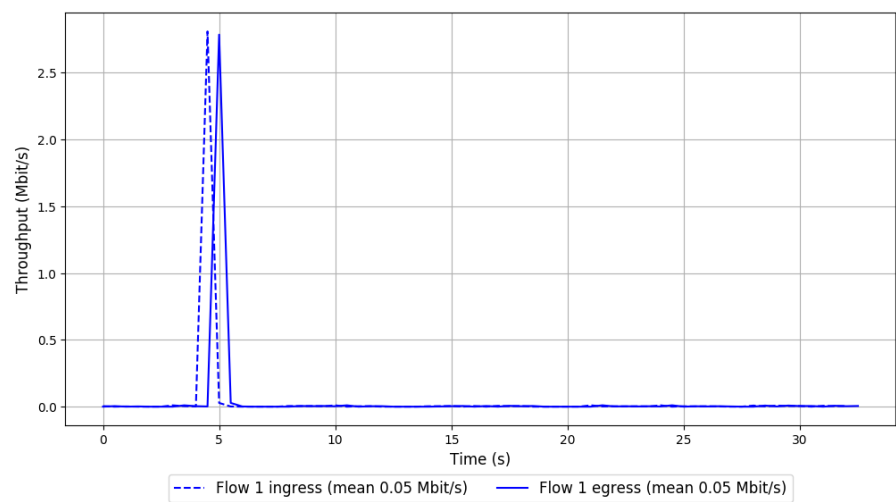


Run 1: Statistics of WebRTC media

Start at: 2018-05-24 03:31:28
End at: 2018-05-24 03:31:58
Local clock offset: 0.876 ms
Remote clock offset: -4.986 ms

Below is generated by plot.py at 2018-05-24 06:44:22
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 15.527 ms
Loss rate: 0.85%
-- Flow 1:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 15.527 ms
Loss rate: 0.85%

Run 1: Report of WebRTC media — Data Link

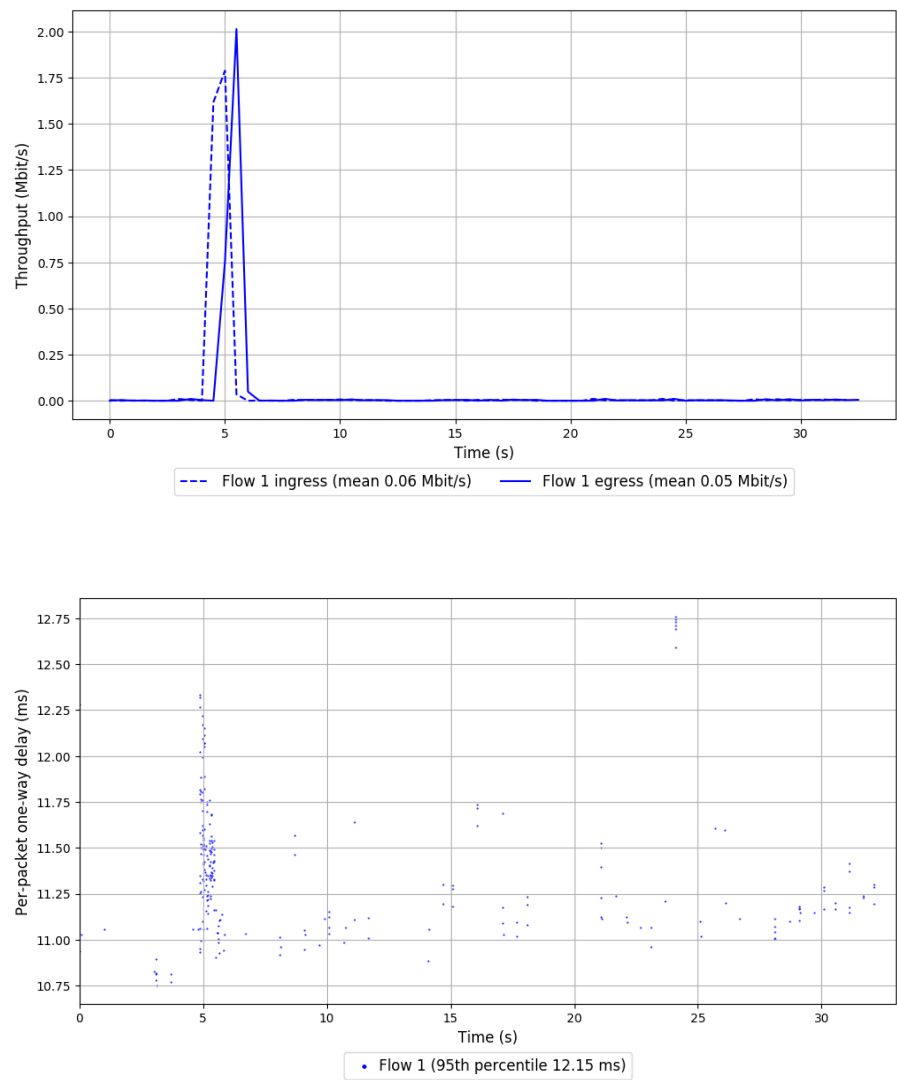


Run 2: Statistics of WebRTC media

Start at: 2018-05-24 03:50:09
End at: 2018-05-24 03:50:40
Local clock offset: 1.707 ms
Remote clock offset: -17.83 ms

Below is generated by plot.py at 2018-05-24 06:44:22
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 12.152 ms
Loss rate: 17.29%
-- Flow 1:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 12.152 ms
Loss rate: 17.29%

Run 2: Report of WebRTC media — Data Link

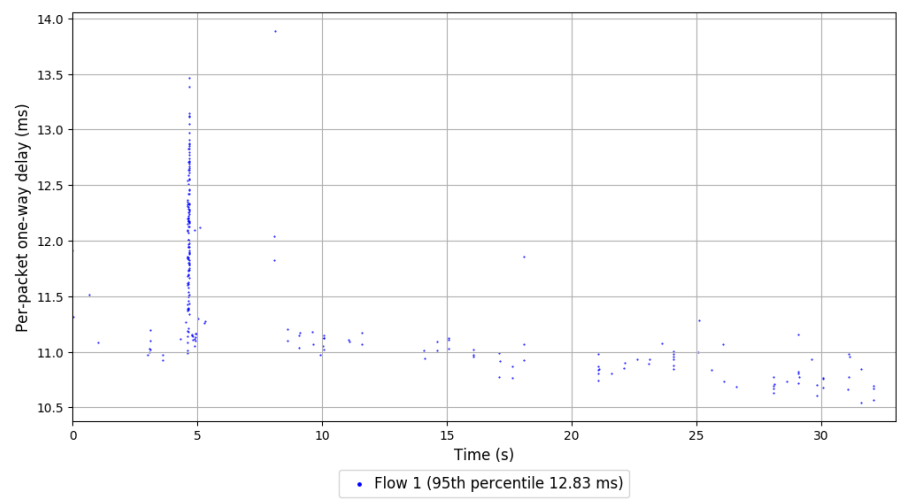
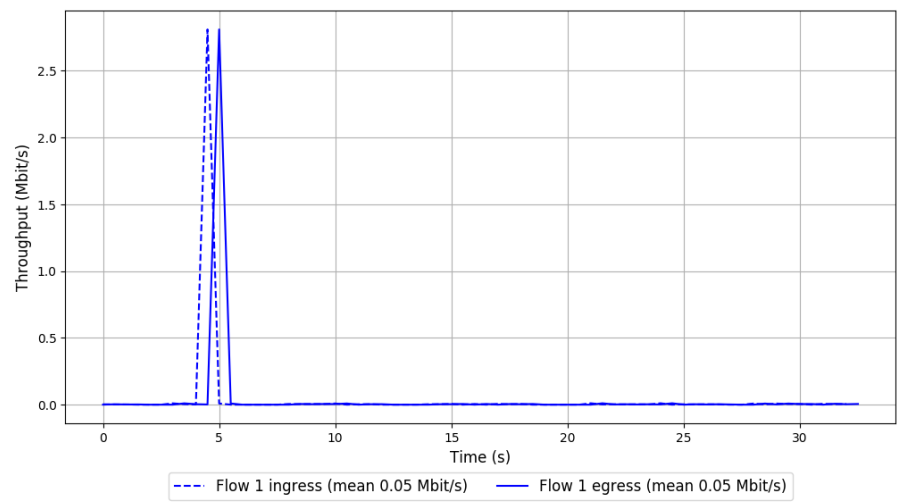


Run 3: Statistics of WebRTC media

Start at: 2018-05-24 04:08:33
End at: 2018-05-24 04:09:03
Local clock offset: -0.755 ms
Remote clock offset: -11.149 ms

Below is generated by plot.py at 2018-05-24 06:44:22
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 12.832 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 12.832 ms
Loss rate: 0.05%

Run 3: Report of WebRTC media — Data Link

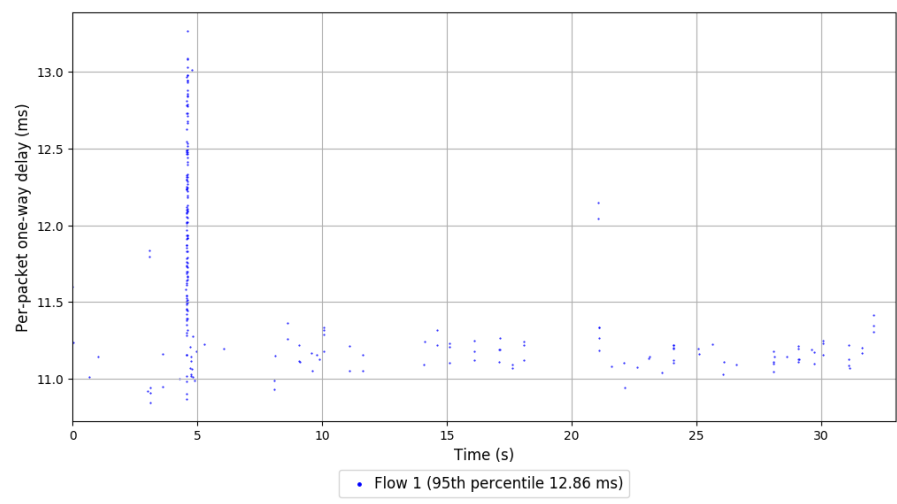
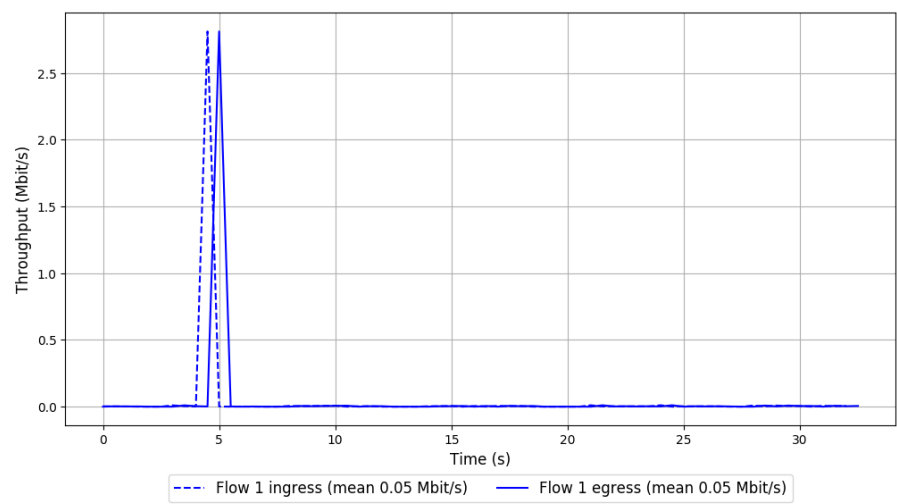


Run 4: Statistics of WebRTC media

Start at: 2018-05-24 04:27:23
End at: 2018-05-24 04:27:53
Local clock offset: 1.873 ms
Remote clock offset: -1.161 ms

Below is generated by plot.py at 2018-05-24 06:44:22
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 12.860 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 12.860 ms
Loss rate: 0.00%

Run 4: Report of WebRTC media — Data Link



Run 5: Statistics of WebRTC media

Start at: 2018-05-24 04:45:24

End at: 2018-05-24 04:45:54

Local clock offset: 1.965 ms

Remote clock offset: 2.826 ms

Below is generated by plot.py at 2018-05-24 06:44:22

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.05 Mbit/s

95th percentile per-packet one-way delay: 21.017 ms

Loss rate: 0.29%

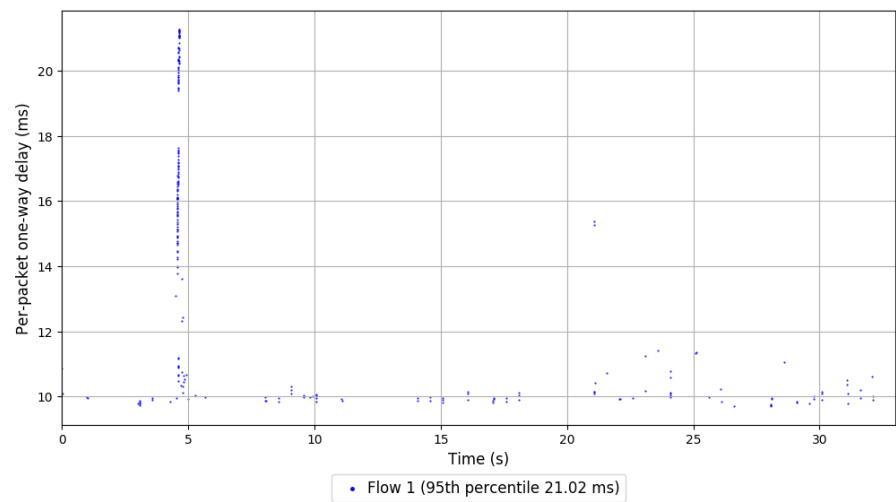
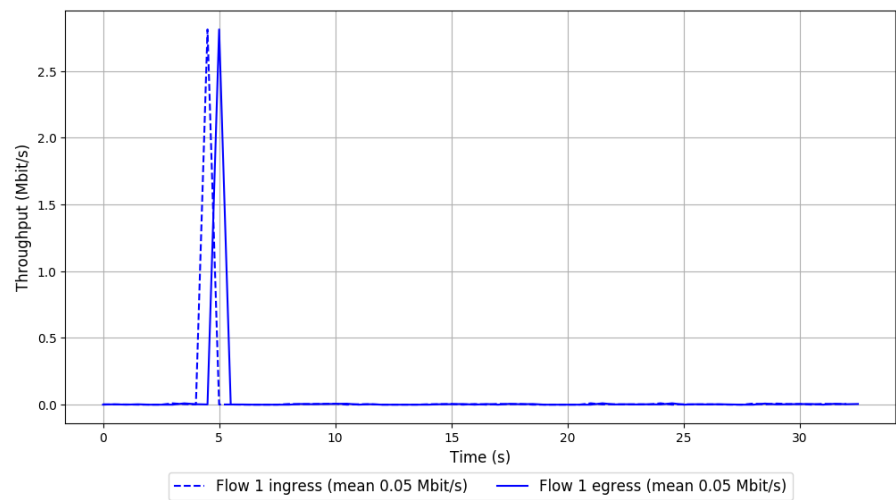
-- Flow 1:

Average throughput: 0.05 Mbit/s

95th percentile per-packet one-way delay: 21.017 ms

Loss rate: 0.29%

Run 5: Report of WebRTC media — Data Link



Run 6: Statistics of WebRTC media

Start at: 2018-05-24 05:03:45

End at: 2018-05-24 05:04:15

Local clock offset: 3.279 ms

Remote clock offset: 8.201 ms

Below is generated by plot.py at 2018-05-24 06:44:22

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.05 Mbit/s

95th percentile per-packet one-way delay: 12.757 ms

Loss rate: 0.96%

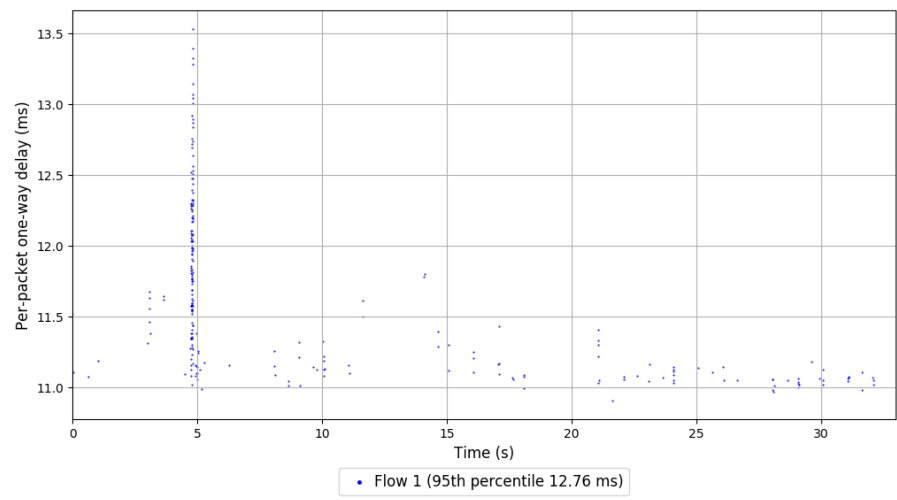
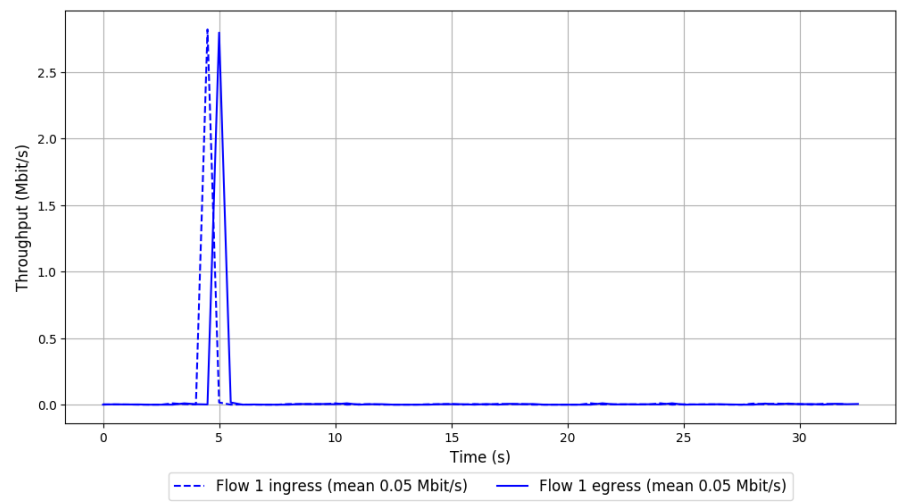
-- Flow 1:

Average throughput: 0.05 Mbit/s

95th percentile per-packet one-way delay: 12.757 ms

Loss rate: 0.96%

Run 6: Report of WebRTC media — Data Link

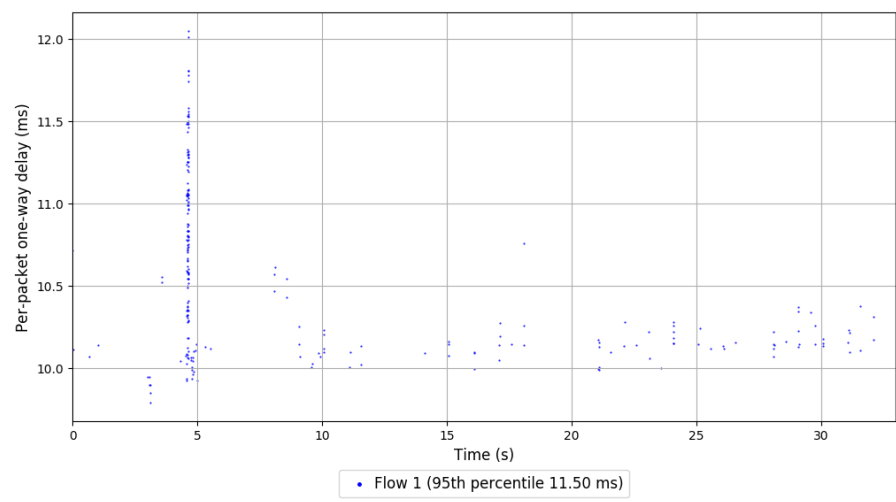
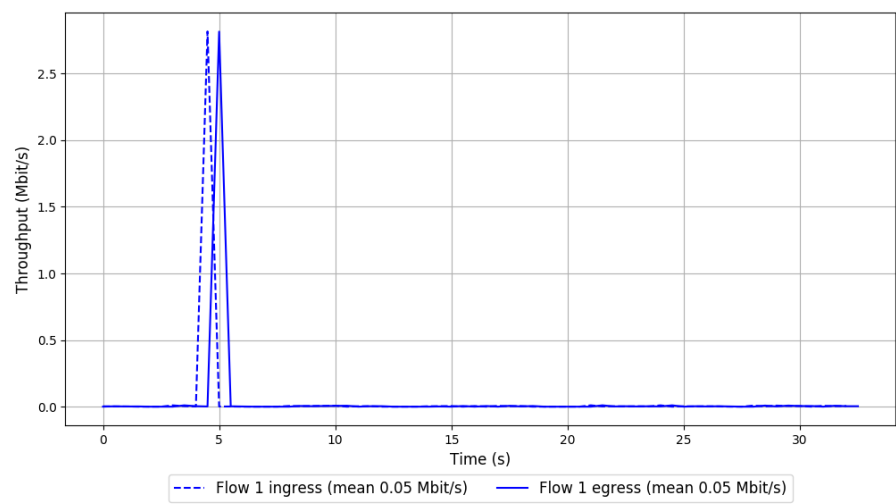


Run 7: Statistics of WebRTC media

Start at: 2018-05-24 05:21:49
End at: 2018-05-24 05:22:19
Local clock offset: 2.572 ms
Remote clock offset: -0.078 ms

Below is generated by plot.py at 2018-05-24 06:44:22
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 11.503 ms
Loss rate: 0.28%
-- Flow 1:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 11.503 ms
Loss rate: 0.28%

Run 7: Report of WebRTC media — Data Link

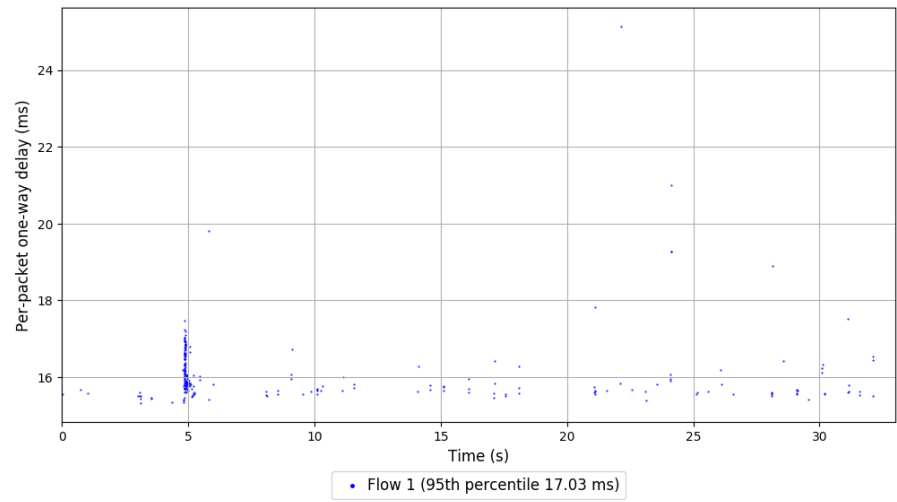
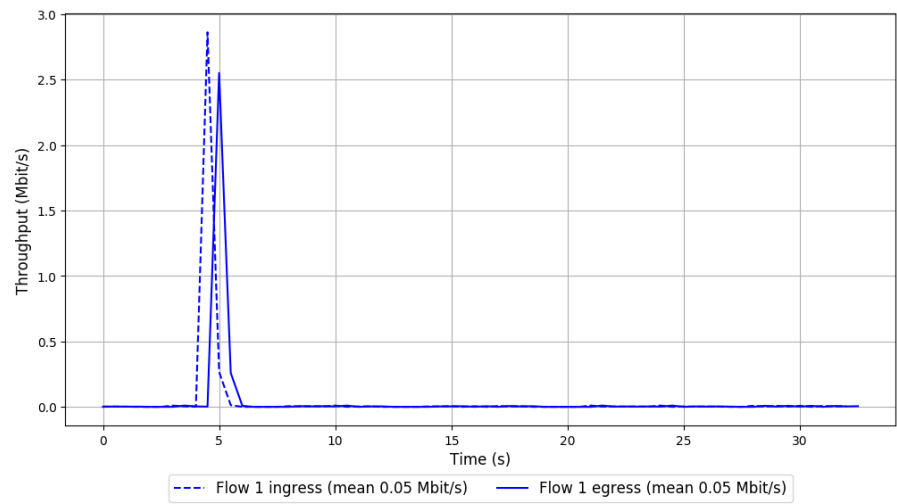


Run 8: Statistics of WebRTC media

Start at: 2018-05-24 05:40:20
End at: 2018-05-24 05:40:50
Local clock offset: -1.127 ms
Remote clock offset: -0.389 ms

Below is generated by plot.py at 2018-05-24 06:44:22
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 17.027 ms
Loss rate: 9.79%
-- Flow 1:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 17.027 ms
Loss rate: 9.79%

Run 8: Report of WebRTC media — Data Link



Run 9: Statistics of WebRTC media

Start at: 2018-05-24 05:58:19

End at: 2018-05-24 05:58:49

Local clock offset: -1.132 ms

Remote clock offset: 6.679 ms

Below is generated by plot.py at 2018-05-24 06:44:22

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.05 Mbit/s

95th percentile per-packet one-way delay: 21.049 ms

Loss rate: 0.00%

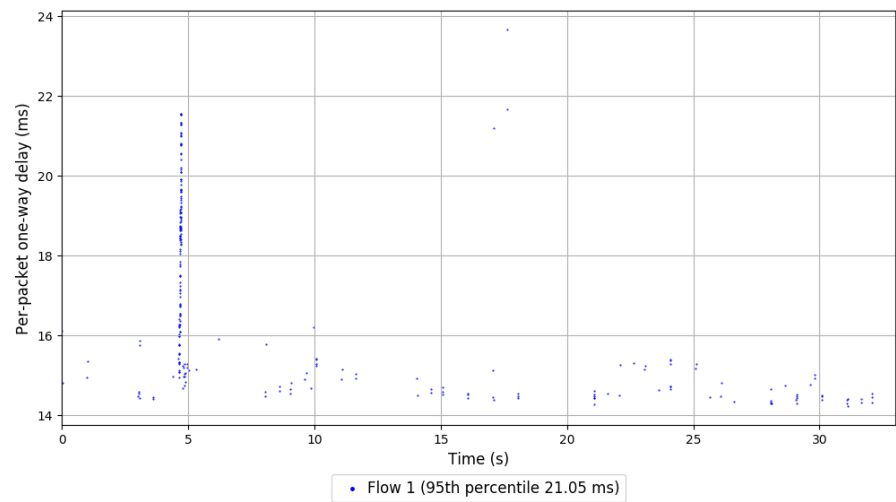
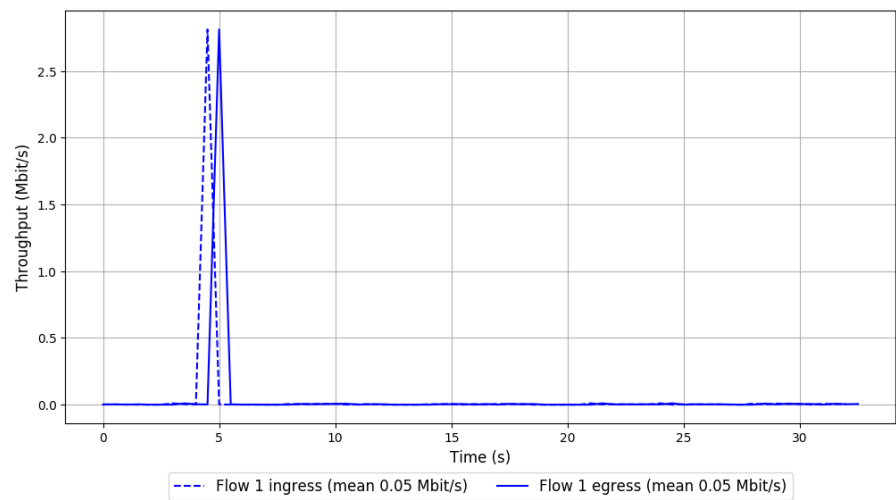
-- Flow 1:

Average throughput: 0.05 Mbit/s

95th percentile per-packet one-way delay: 21.049 ms

Loss rate: 0.00%

Run 9: Report of WebRTC media — Data Link



Run 10: Statistics of WebRTC media

Start at: 2018-05-24 06:16:13

End at: 2018-05-24 06:16:43

Local clock offset: -1.239 ms

Remote clock offset: 8.075 ms

Below is generated by plot.py at 2018-05-24 06:44:22

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.05 Mbit/s

95th percentile per-packet one-way delay: 12.784 ms

Loss rate: 0.05%

-- Flow 1:

Average throughput: 0.05 Mbit/s

95th percentile per-packet one-way delay: 12.784 ms

Loss rate: 0.05%

Run 10: Report of WebRTC media — Data Link

