

Pantheon Report

Generated at 2018-06-30 10:13:51 (UTC).

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

Repeated the test of 17 congestion control schemes 10 times.

Each test lasted for 30 seconds running 1 flow.

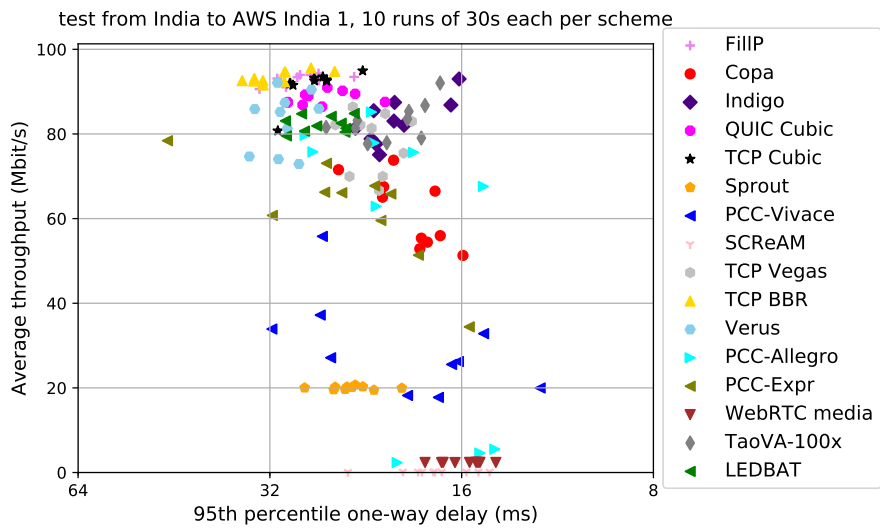
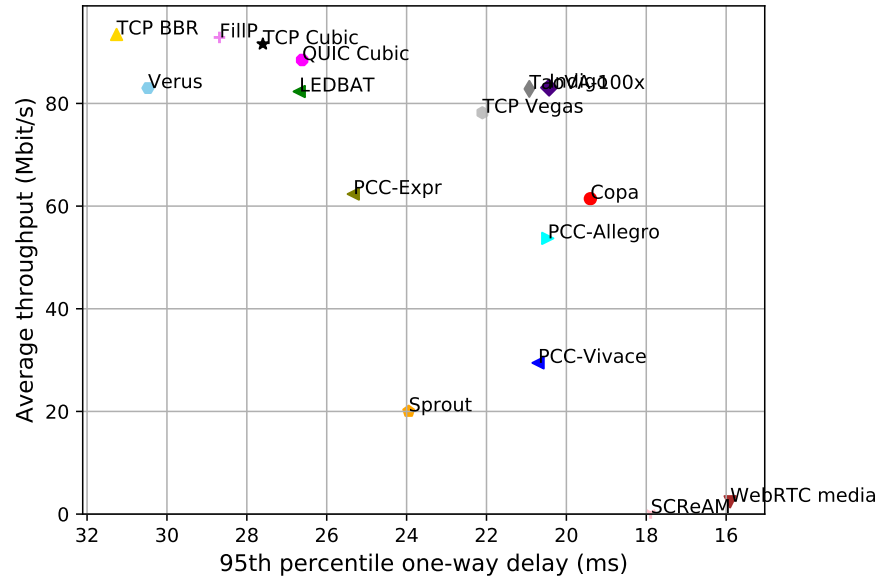
Increased UDP receive buffer to 16 MB (default) and 32 MB (max).

NTP offsets were measured against `nets.org.sg` and have been applied to correct the timestamps in logs.

Git summary:

```
branch: master @ 715dc5f09d172e419699f6f17f1cb4c45064f212
third_party/fillp @ d47f4fa1b454a5e3c0537115c5a28436dbd4b834
third_party/fillp-sheep @ 30060ab034deb3424347f5cc3db86198eac35d2a
third_party/genericCC @ d0153f8e594aa89e93b032143cedbdf5e58e562f4
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-quick @ 77961f1a82733a86b42f1bc8143ebc978f3cff42
third_party/scream-reproduce @ f099118d1421aa3131bf11ff1964974e1da3bdb2
  M src/ScreamClient
  M src/ScreamServer
third_party/sprout @ 366e35c6178b01e31d4a46ad18c74f9415f19a26
third_party/verus @ d4b447ea74c6c60a261149af2629562939f9a494
  M src/verus.hpp
  M tools/plot.py
third_party/vivace @ 2baf86211435ae071a32f96b7d8c504587f5d7f4
third_party/webrtc @ 3f0cc2a9061a41b6f9dde4735770d143a1fa2851
```

test from India to AWS India 1, 10 runs of 30s each per scheme
(mean of all runs by scheme)



scheme	# runs	mean avg tput (Mbit/s) flow 1	mean 95th-%ile delay (ms) flow 1	mean loss rate (%) flow 1
TCP BBR	10	93.44	31.26	1.33
Copa	10	61.44	19.40	0.09
TCP Cubic	10	91.57	27.60	0.11
FillP	10	92.86	28.69	0.12
FillP-Sheep	0	N/A	N/A	N/A
Indigo	10	83.08	20.43	0.09
LEDBAT	10	82.32	26.69	0.10
PCC-Allegro	10	53.72	20.47	0.24
PCC-Expr	10	62.35	25.34	0.14
QUIC Cubic	10	88.47	26.62	0.12
SCReAM	10	0.20	17.89	0.20
Sprout	10	20.03	23.95	0.12
TaoVA-100x	10	82.83	20.93	0.09
TCP Vegas	10	78.18	22.10	0.09
Verus	10	82.99	30.48	0.31
PCC-Vivace	10	29.46	20.71	0.16
WebRTC media	10	2.39	15.90	0.09

Run 1: Statistics of TCP BBR

Start at: 2018-06-30 06:46:43

End at: 2018-06-30 06:47:13

Local clock offset: -1.3 ms

Remote clock offset: -2.16 ms

Below is generated by plot.py at 2018-06-30 09:56:20

Datalink statistics

-- Total of 1 flow:

Average throughput: 92.32 Mbit/s

95th percentile per-packet one-way delay: 30.368 ms

Loss rate: 1.66%

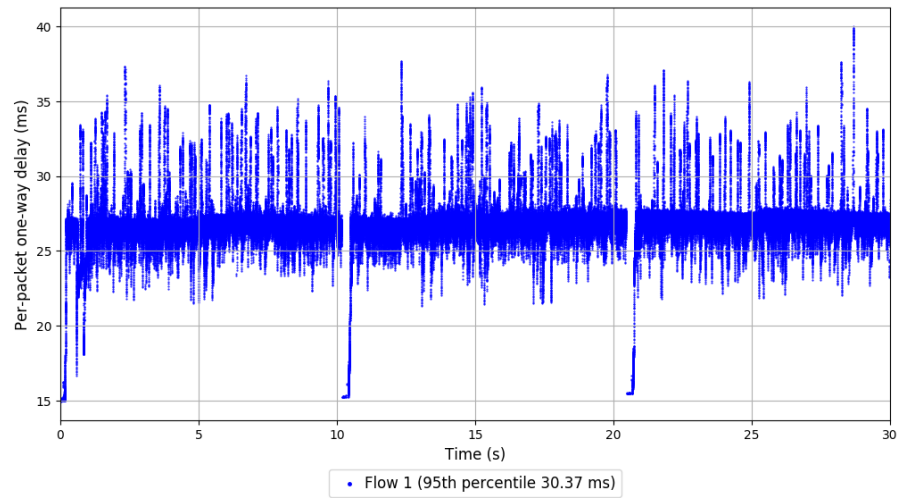
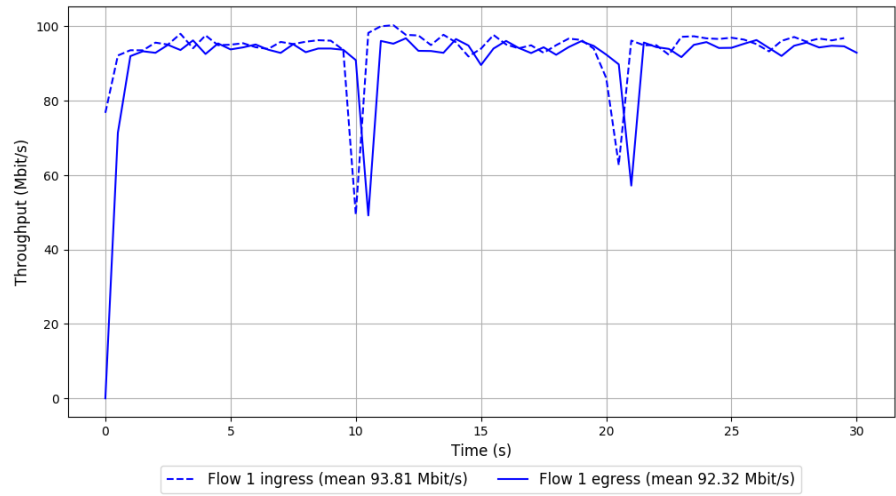
-- Flow 1:

Average throughput: 92.32 Mbit/s

95th percentile per-packet one-way delay: 30.368 ms

Loss rate: 1.66%

Run 1: Report of TCP BBR — Data Link



Run 2: Statistics of TCP BBR

Start at: 2018-06-30 07:07:16

End at: 2018-06-30 07:07:46

Local clock offset: -1.325 ms

Remote clock offset: 12.61 ms

Below is generated by plot.py at 2018-06-30 09:56:20

Datalink statistics

-- Total of 1 flow:

Average throughput: 91.57 Mbit/s

95th percentile per-packet one-way delay: 32.783 ms

Loss rate: 2.96%

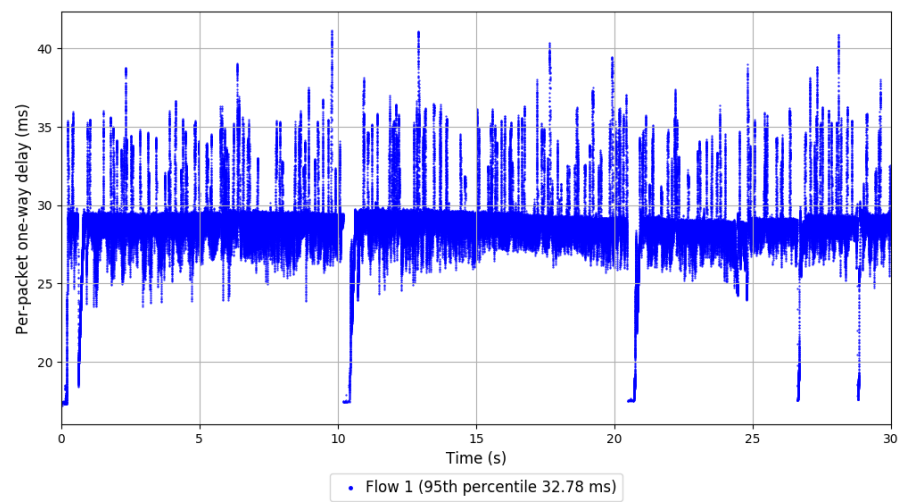
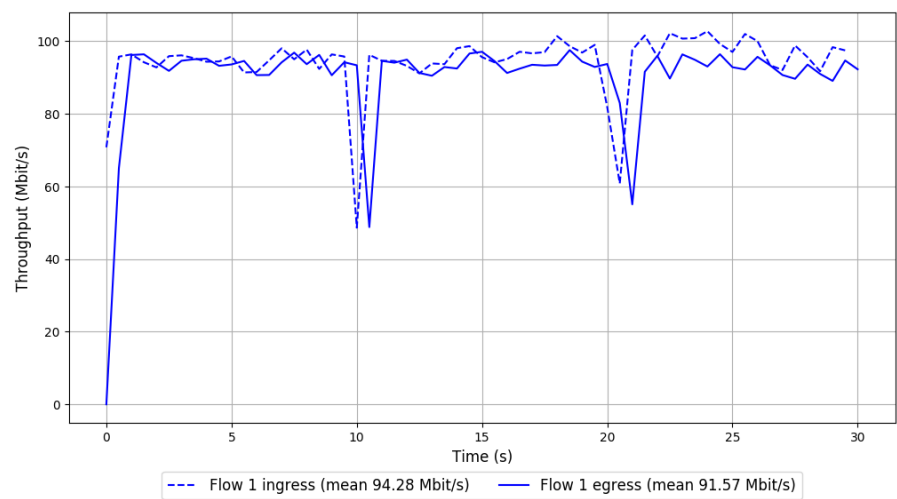
-- Flow 1:

Average throughput: 91.57 Mbit/s

95th percentile per-packet one-way delay: 32.783 ms

Loss rate: 2.96%

Run 2: Report of TCP BBR — Data Link



Run 3: Statistics of TCP BBR

Start at: 2018-06-30 07:27:45

End at: 2018-06-30 07:28:15

Local clock offset: 1.398 ms

Remote clock offset: 21.75 ms

Below is generated by plot.py at 2018-06-30 09:56:21

Datalink statistics

-- Total of 1 flow:

Average throughput: 92.60 Mbit/s

95th percentile per-packet one-way delay: 35.365 ms

Loss rate: 1.56%

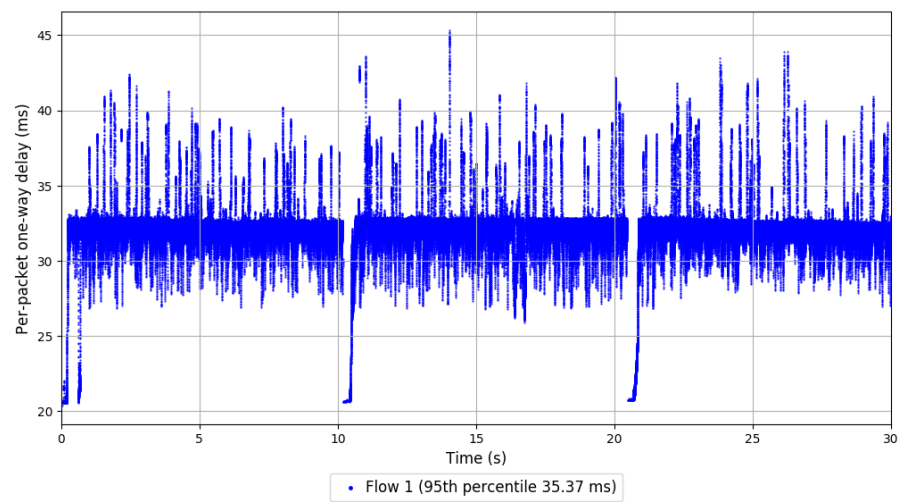
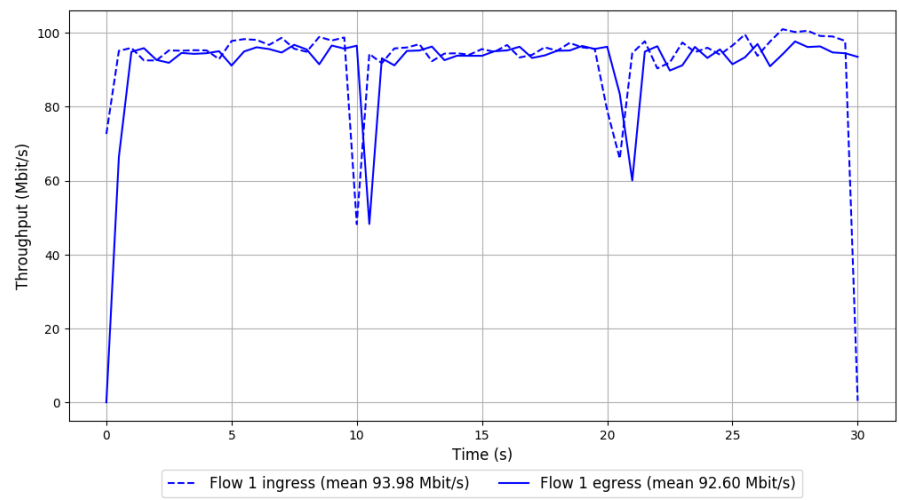
-- Flow 1:

Average throughput: 92.60 Mbit/s

95th percentile per-packet one-way delay: 35.365 ms

Loss rate: 1.56%

Run 3: Report of TCP BBR — Data Link



Run 4: Statistics of TCP BBR

Start at: 2018-06-30 07:47:54

End at: 2018-06-30 07:48:24

Local clock offset: 0.399 ms

Remote clock offset: 4.04 ms

Below is generated by plot.py at 2018-06-30 09:56:21

Datalink statistics

-- Total of 1 flow:

Average throughput: 92.50 Mbit/s

95th percentile per-packet one-way delay: 33.917 ms

Loss rate: 0.98%

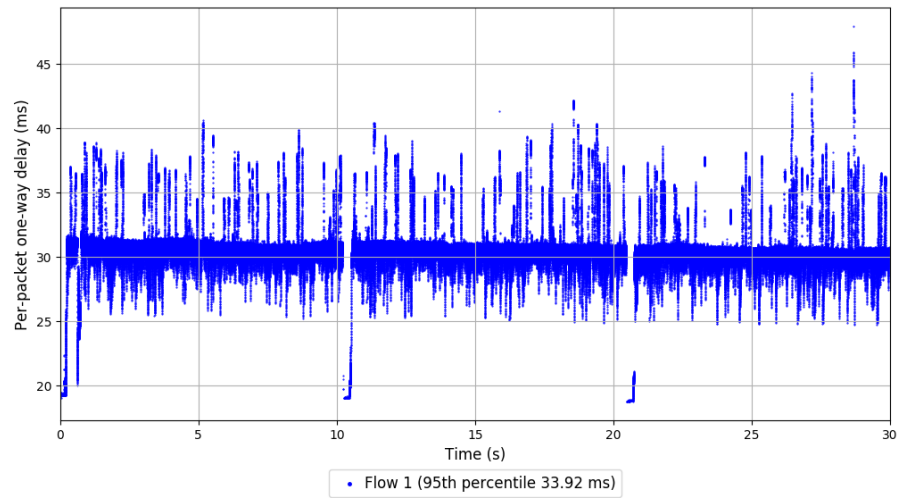
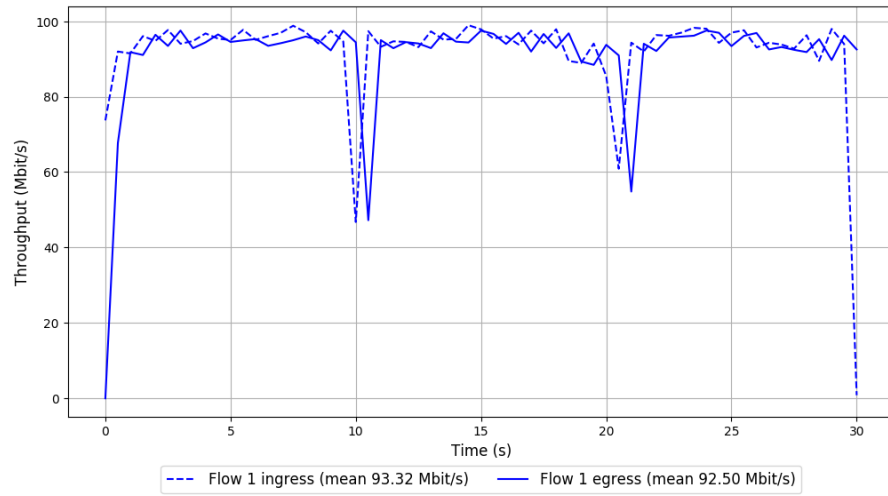
-- Flow 1:

Average throughput: 92.50 Mbit/s

95th percentile per-packet one-way delay: 33.917 ms

Loss rate: 0.98%

Run 4: Report of TCP BBR — Data Link



Run 5: Statistics of TCP BBR

Start at: 2018-06-30 08:08:04

End at: 2018-06-30 08:08:34

Local clock offset: -0.151 ms

Remote clock offset: -8.642 ms

Below is generated by plot.py at 2018-06-30 09:56:23

Datalink statistics

-- Total of 1 flow:

Average throughput: 94.60 Mbit/s

95th percentile per-packet one-way delay: 30.339 ms

Loss rate: 0.96%

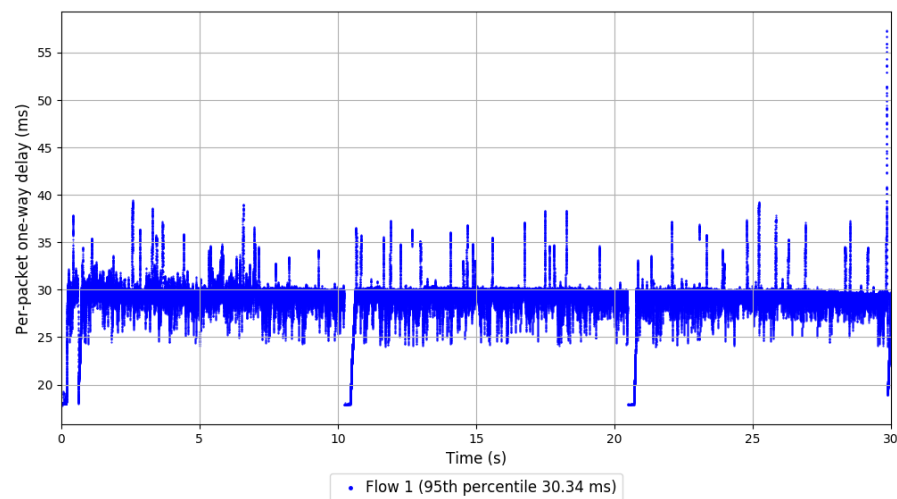
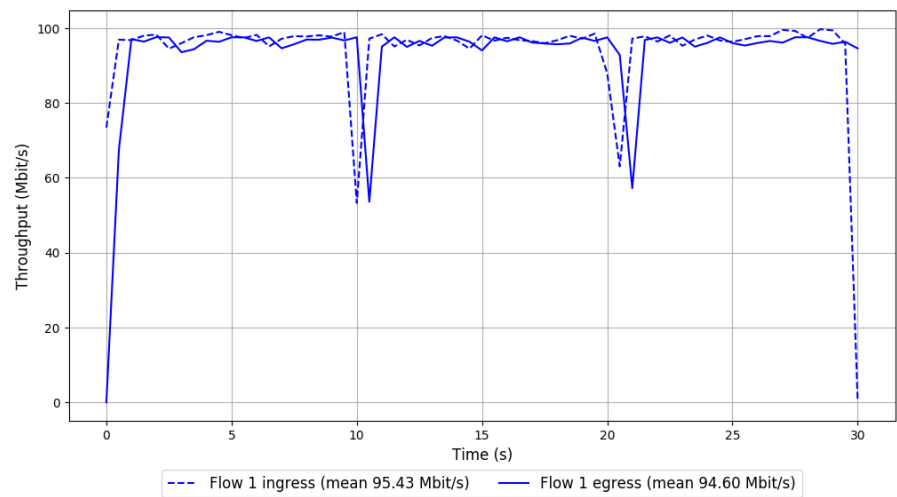
-- Flow 1:

Average throughput: 94.60 Mbit/s

95th percentile per-packet one-way delay: 30.339 ms

Loss rate: 0.96%

Run 5: Report of TCP BBR — Data Link



Run 6: Statistics of TCP BBR

Start at: 2018-06-30 08:28:12

End at: 2018-06-30 08:28:42

Local clock offset: 3.034 ms

Remote clock offset: -2.402 ms

Below is generated by plot.py at 2018-06-30 09:56:23

Datalink statistics

-- Total of 1 flow:

Average throughput: 93.12 Mbit/s

95th percentile per-packet one-way delay: 33.850 ms

Loss rate: 1.12%

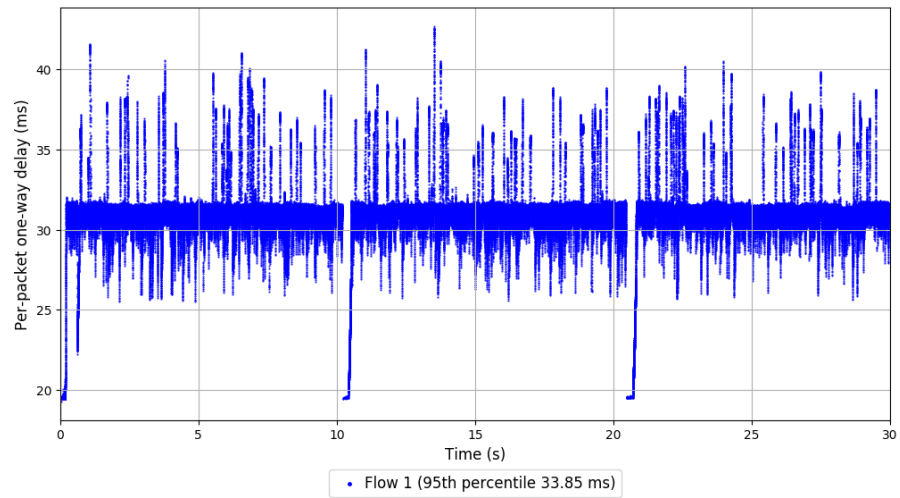
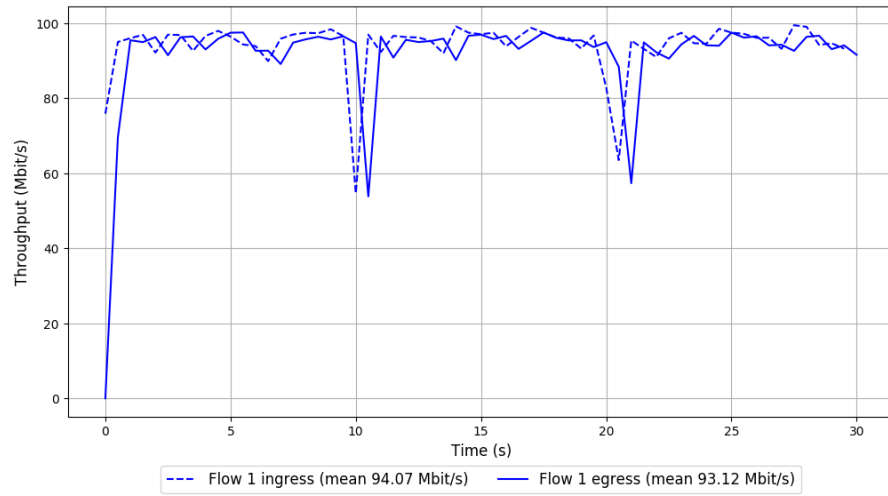
-- Flow 1:

Average throughput: 93.12 Mbit/s

95th percentile per-packet one-way delay: 33.850 ms

Loss rate: 1.12%

Run 6: Report of TCP BBR — Data Link



Run 7: Statistics of TCP BBR

Start at: 2018-06-30 08:47:58

End at: 2018-06-30 08:48:28

Local clock offset: 3.155 ms

Remote clock offset: 0.234 ms

Below is generated by plot.py at 2018-06-30 09:56:23

Datalink statistics

-- Total of 1 flow:

Average throughput: 92.60 Mbit/s

95th percentile per-packet one-way delay: 32.812 ms

Loss rate: 0.88%

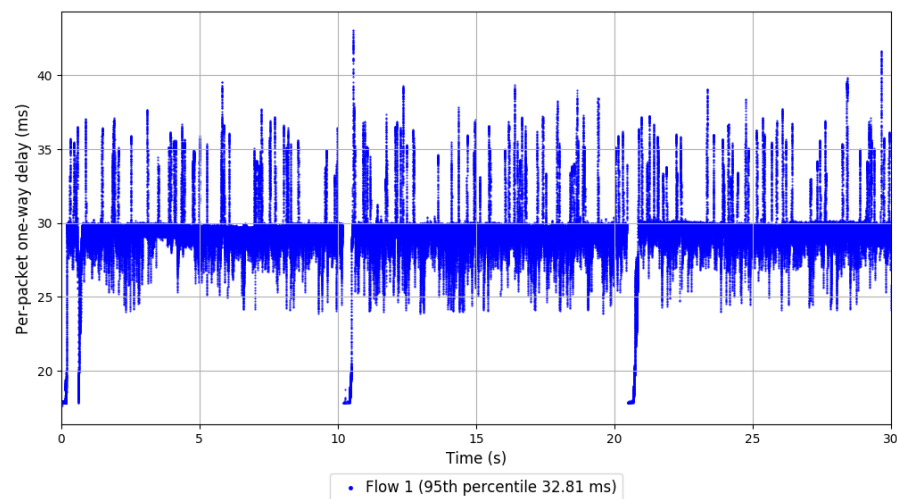
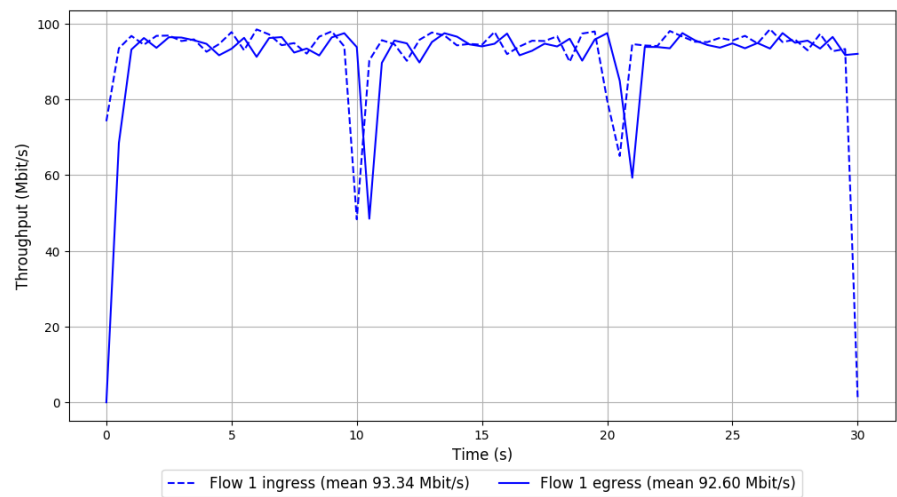
-- Flow 1:

Average throughput: 92.60 Mbit/s

95th percentile per-packet one-way delay: 32.812 ms

Loss rate: 0.88%

Run 7: Report of TCP BBR — Data Link



Run 8: Statistics of TCP BBR

Start at: 2018-06-30 09:07:34

End at: 2018-06-30 09:08:04

Local clock offset: -0.944 ms

Remote clock offset: 0.321 ms

Below is generated by plot.py at 2018-06-30 09:56:23

Datalink statistics

-- Total of 1 flow:

Average throughput: 94.78 Mbit/s

95th percentile per-packet one-way delay: 25.315 ms

Loss rate: 1.69%

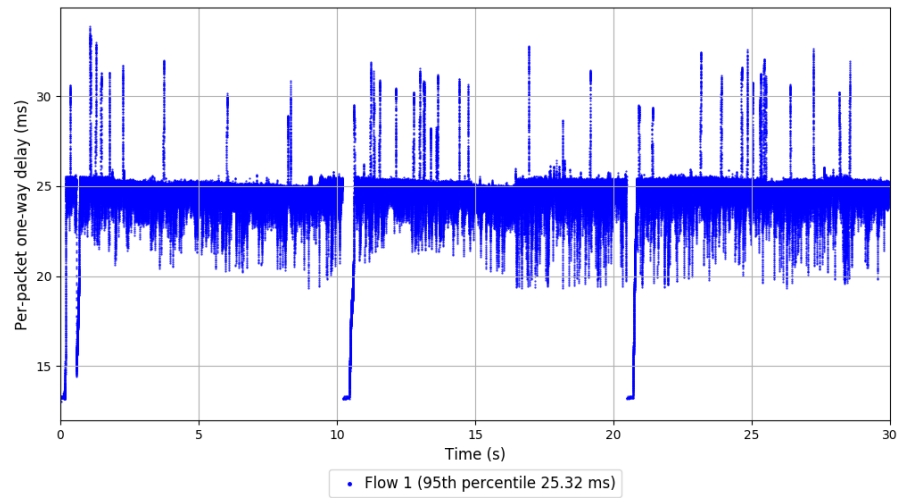
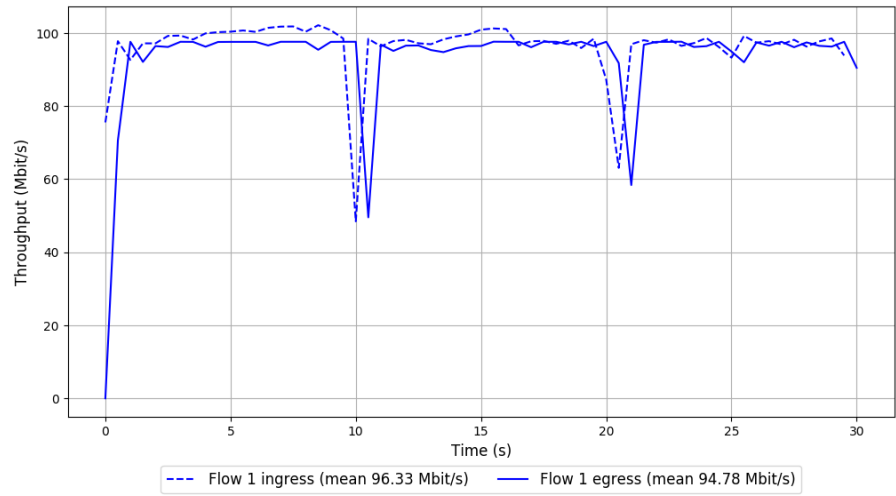
-- Flow 1:

Average throughput: 94.78 Mbit/s

95th percentile per-packet one-way delay: 25.315 ms

Loss rate: 1.69%

Run 8: Report of TCP BBR — Data Link

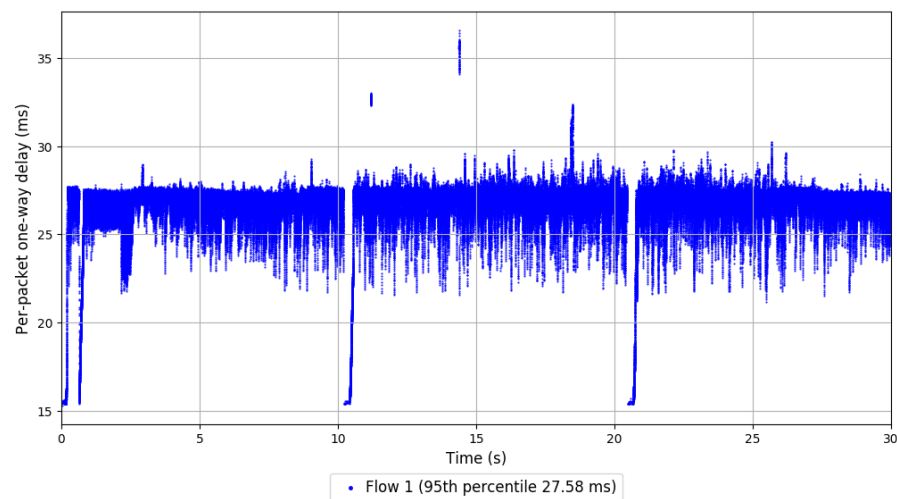
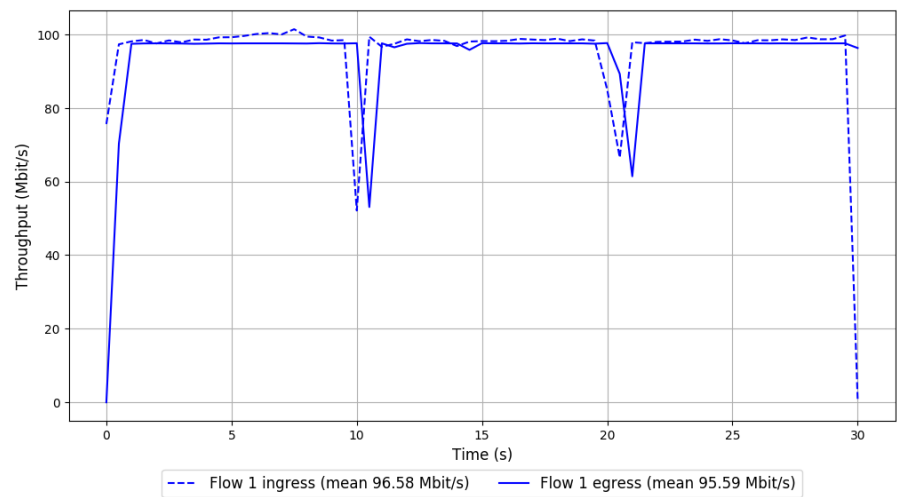


Run 9: Statistics of TCP BBR

Start at: 2018-06-30 09:27:22
End at: 2018-06-30 09:27:52
Local clock offset: -0.958 ms
Remote clock offset: -1.185 ms

Below is generated by plot.py at 2018-06-30 09:57:25
Datalink statistics
-- Total of 1 flow:
Average throughput: 95.59 Mbit/s
95th percentile per-packet one-way delay: 27.581 ms
Loss rate: 1.11%
-- Flow 1:
Average throughput: 95.59 Mbit/s
95th percentile per-packet one-way delay: 27.581 ms
Loss rate: 1.11%

Run 9: Report of TCP BBR — Data Link



Run 10: Statistics of TCP BBR

Start at: 2018-06-30 09:47:06

End at: 2018-06-30 09:47:36

Local clock offset: 0.379 ms

Remote clock offset: -3.648 ms

Below is generated by plot.py at 2018-06-30 09:57:25

Datalink statistics

-- Total of 1 flow:

Average throughput: 94.69 Mbit/s

95th percentile per-packet one-way delay: 30.276 ms

Loss rate: 0.36%

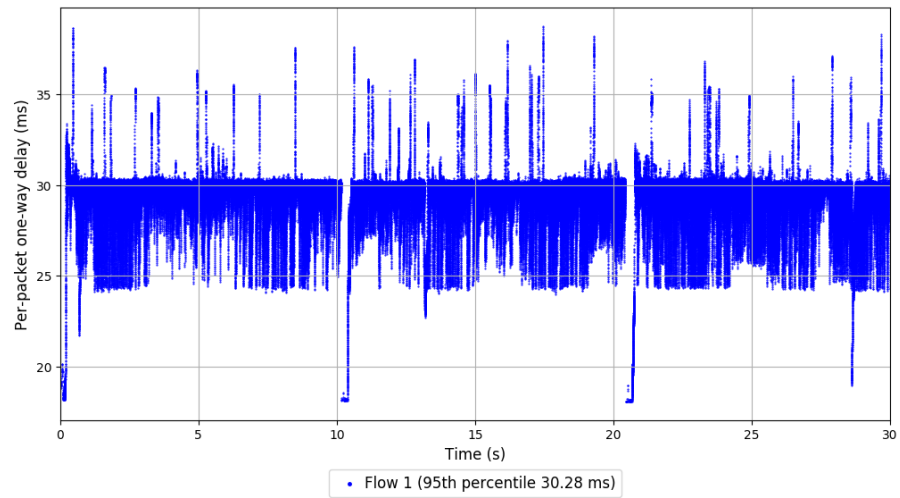
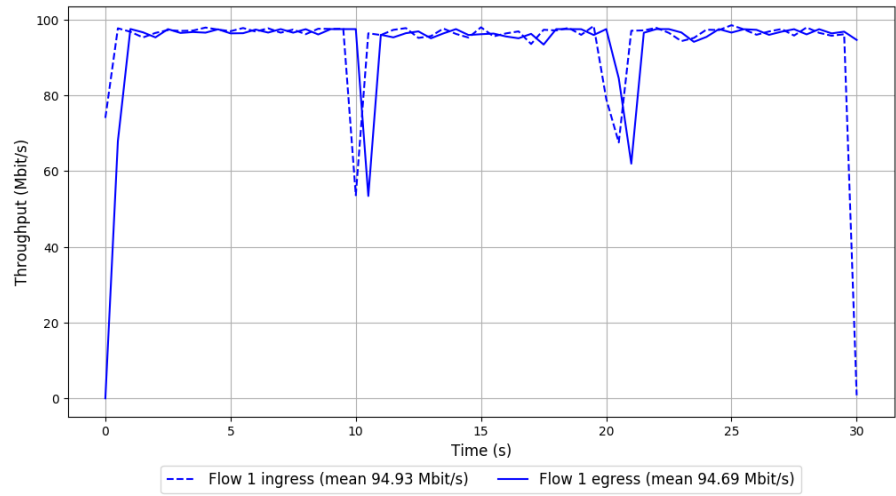
-- Flow 1:

Average throughput: 94.69 Mbit/s

95th percentile per-packet one-way delay: 30.276 ms

Loss rate: 0.36%

Run 10: Report of TCP BBR — Data Link

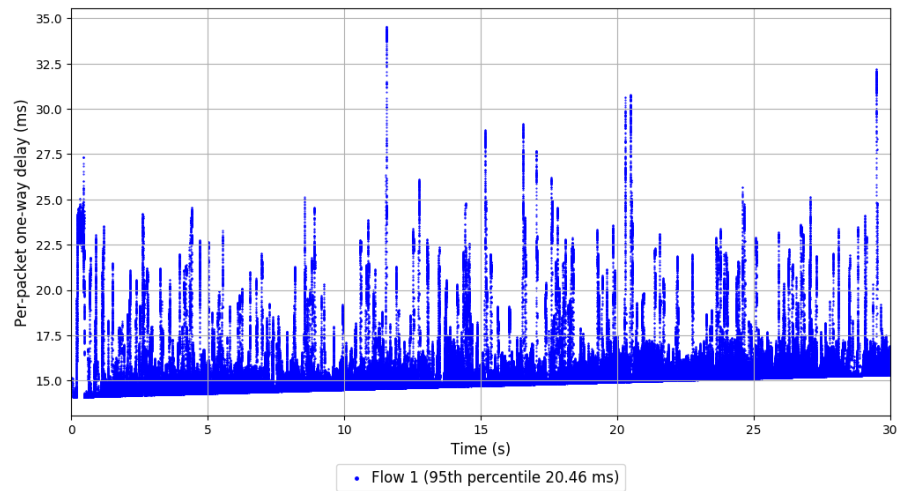
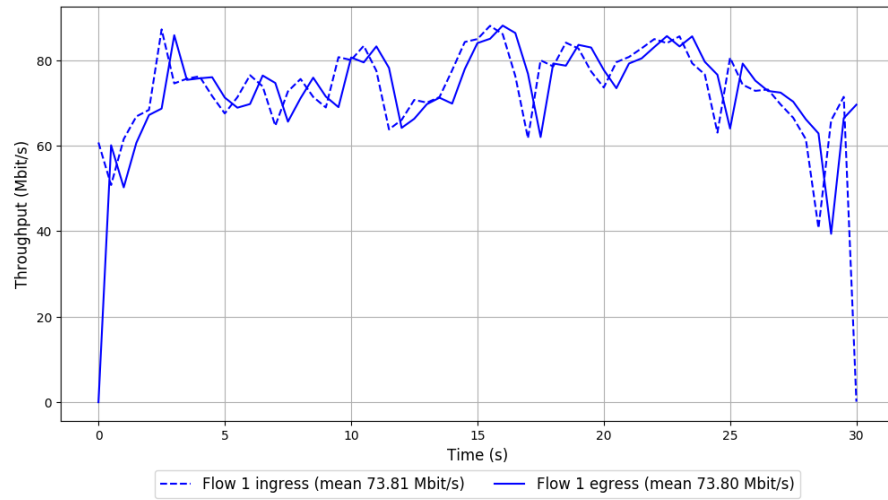


Run 1: Statistics of Copa

Start at: 2018-06-30 06:38:12
End at: 2018-06-30 06:38:42
Local clock offset: -2.391 ms
Remote clock offset: -17.514 ms

Below is generated by plot.py at 2018-06-30 09:57:54
Datalink statistics
-- Total of 1 flow:
Average throughput: 73.80 Mbit/s
95th percentile per-packet one-way delay: 20.462 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 73.80 Mbit/s
95th percentile per-packet one-way delay: 20.462 ms
Loss rate: 0.09%

Run 1: Report of Copa — Data Link



Run 2: Statistics of Copa

Start at: 2018-06-30 06:58:42

End at: 2018-06-30 06:59:12

Local clock offset: -3.883 ms

Remote clock offset: 7.709 ms

Below is generated by plot.py at 2018-06-30 09:57:54

Datalink statistics

-- Total of 1 flow:

Average throughput: 55.38 Mbit/s

95th percentile per-packet one-way delay: 18.508 ms

Loss rate: 0.11%

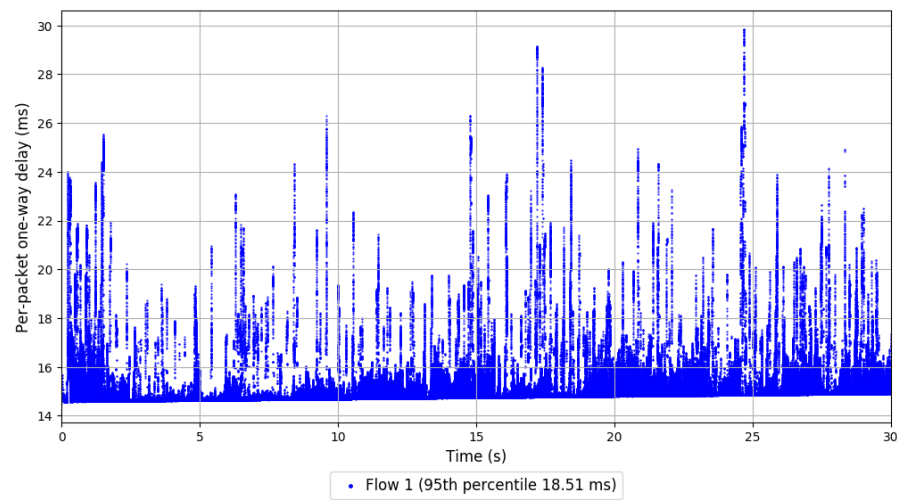
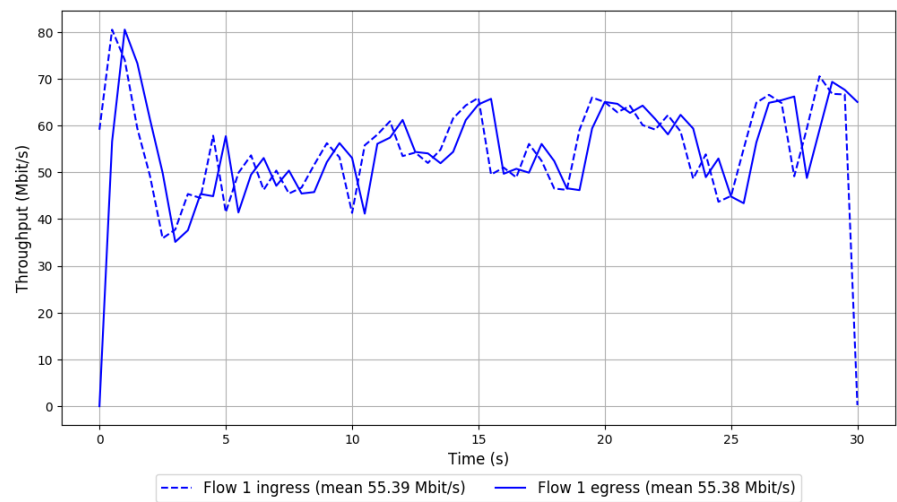
-- Flow 1:

Average throughput: 55.38 Mbit/s

95th percentile per-packet one-way delay: 18.508 ms

Loss rate: 0.11%

Run 2: Report of Copa — Data Link

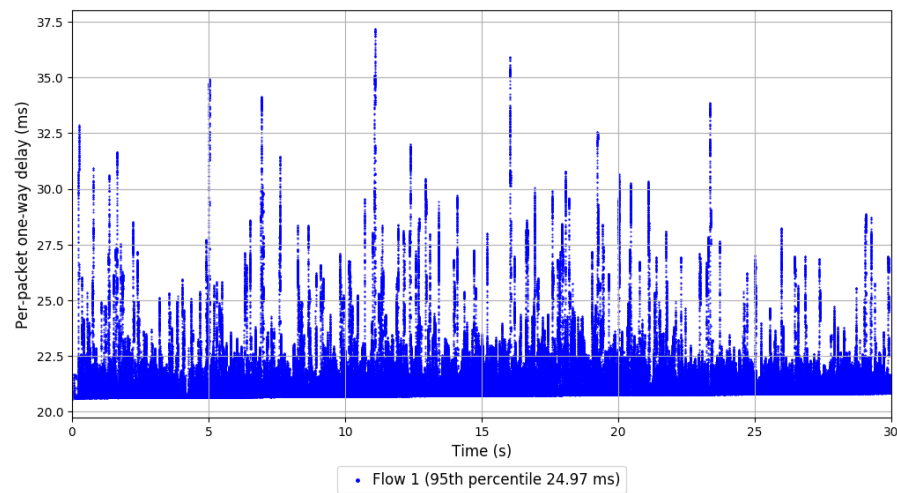
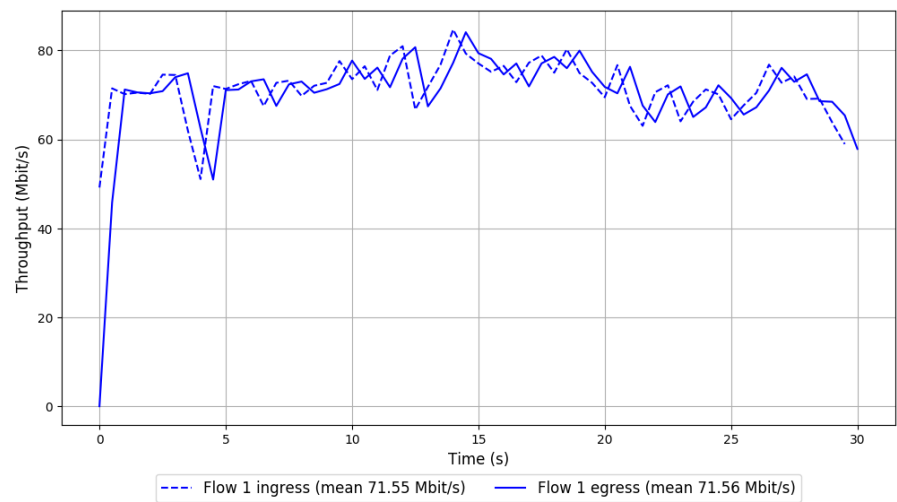


Run 3: Statistics of Copa

Start at: 2018-06-30 07:19:13
End at: 2018-06-30 07:19:43
Local clock offset: 1.82 ms
Remote clock offset: 18.263 ms

Below is generated by plot.py at 2018-06-30 09:57:54
Datalink statistics
-- Total of 1 flow:
Average throughput: 71.56 Mbit/s
95th percentile per-packet one-way delay: 24.969 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 71.56 Mbit/s
95th percentile per-packet one-way delay: 24.969 ms
Loss rate: 0.08%

Run 3: Report of Copa — Data Link

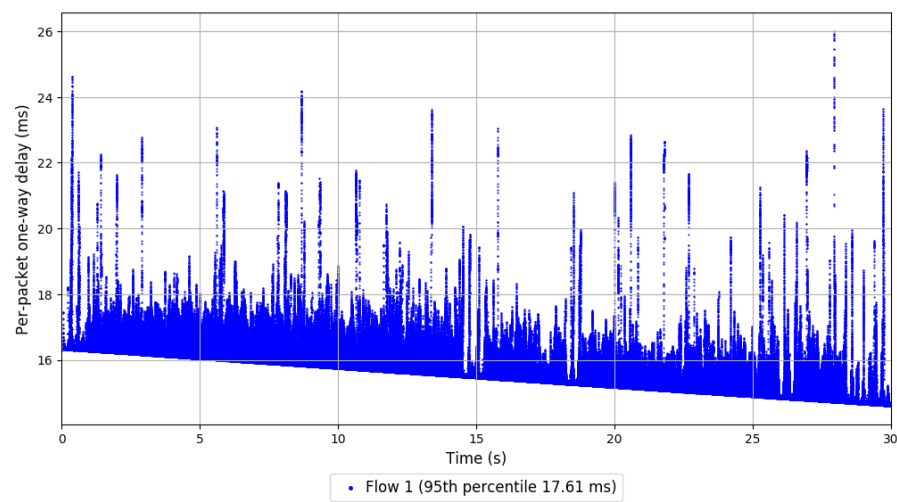
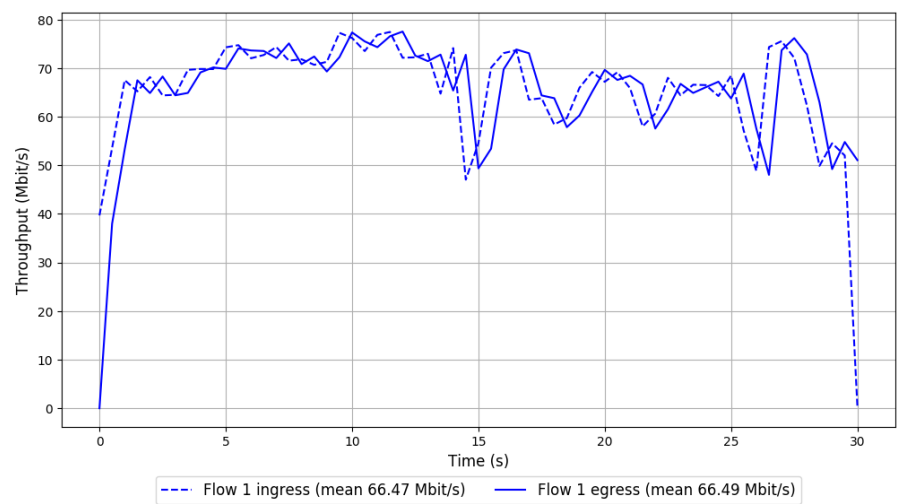


Run 4: Statistics of Copa

Start at: 2018-06-30 07:39:35
End at: 2018-06-30 07:40:05
Local clock offset: -1.252 ms
Remote clock offset: 24.647 ms

Below is generated by plot.py at 2018-06-30 09:57:54
Datalink statistics
-- Total of 1 flow:
Average throughput: 66.49 Mbit/s
95th percentile per-packet one-way delay: 17.614 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 66.49 Mbit/s
95th percentile per-packet one-way delay: 17.614 ms
Loss rate: 0.07%

Run 4: Report of Copa — Data Link



Run 5: Statistics of Copa

Start at: 2018-06-30 07:59:45

End at: 2018-06-30 08:00:15

Local clock offset: 0.836 ms

Remote clock offset: -5.28 ms

Below is generated by plot.py at 2018-06-30 09:57:54

Datalink statistics

-- Total of 1 flow:

Average throughput: 65.06 Mbit/s

95th percentile per-packet one-way delay: 21.294 ms

Loss rate: 0.22%

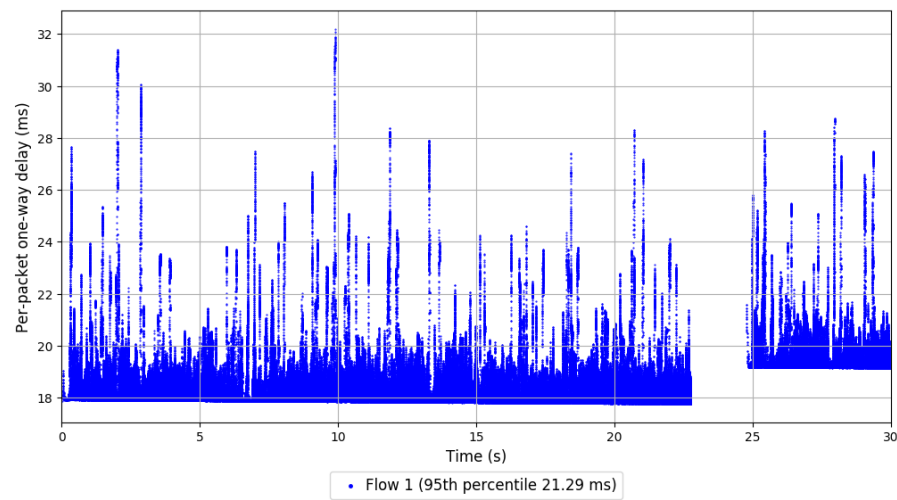
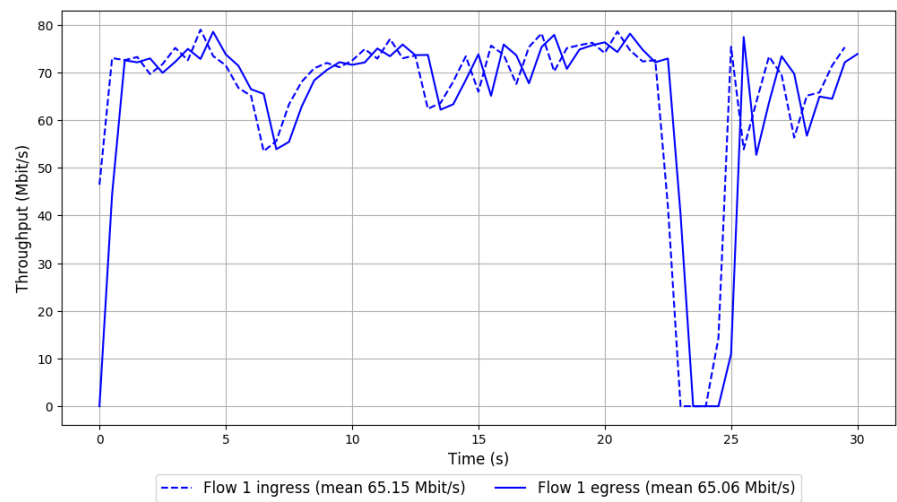
-- Flow 1:

Average throughput: 65.06 Mbit/s

95th percentile per-packet one-way delay: 21.294 ms

Loss rate: 0.22%

Run 5: Report of Copa — Data Link

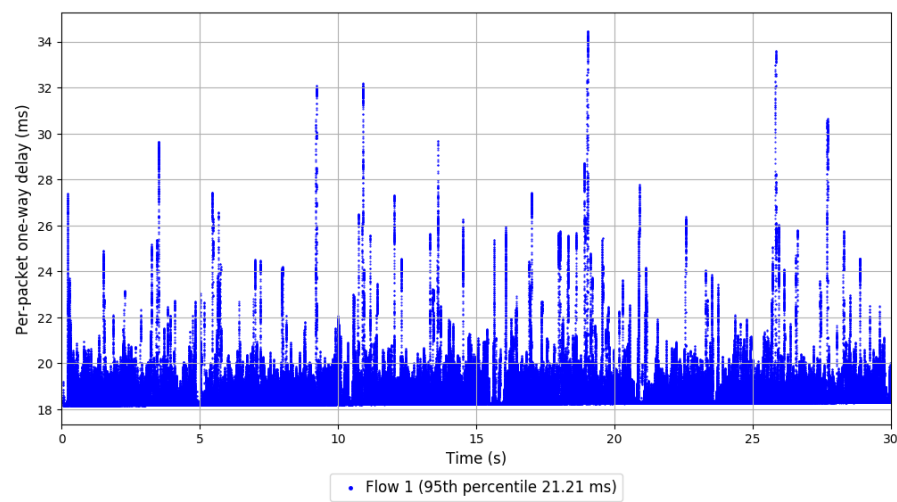
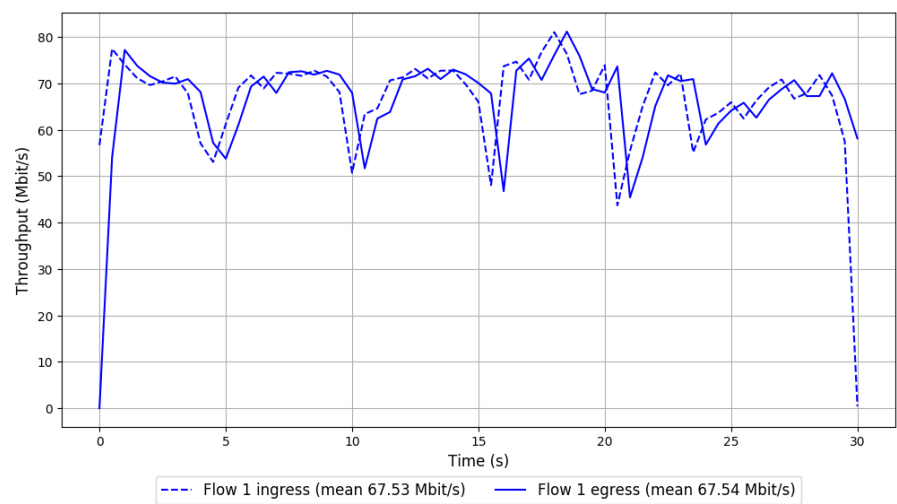


Run 6: Statistics of Copa

Start at: 2018-06-30 08:19:53
End at: 2018-06-30 08:20:23
Local clock offset: 1.584 ms
Remote clock offset: -4.036 ms

Below is generated by plot.py at 2018-06-30 09:57:54
Datalink statistics
-- Total of 1 flow:
Average throughput: 67.54 Mbit/s
95th percentile per-packet one-way delay: 21.208 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 67.54 Mbit/s
95th percentile per-packet one-way delay: 21.208 ms
Loss rate: 0.07%

Run 6: Report of Copa — Data Link

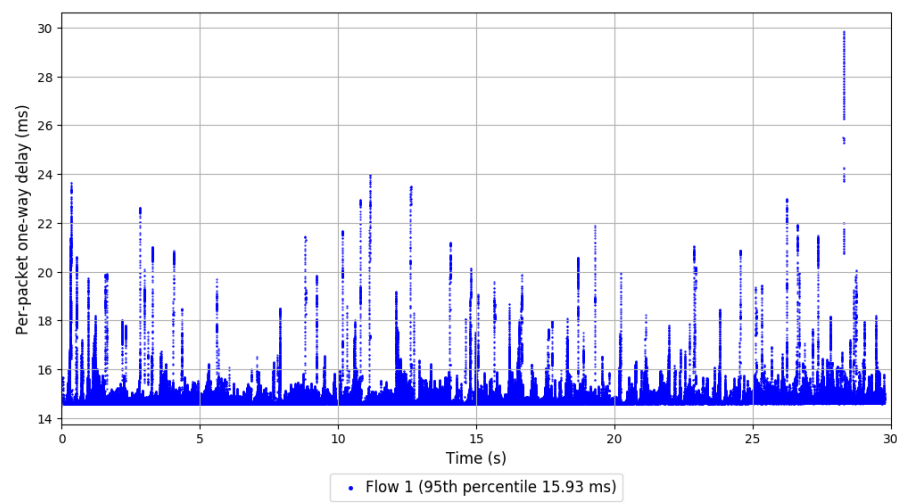
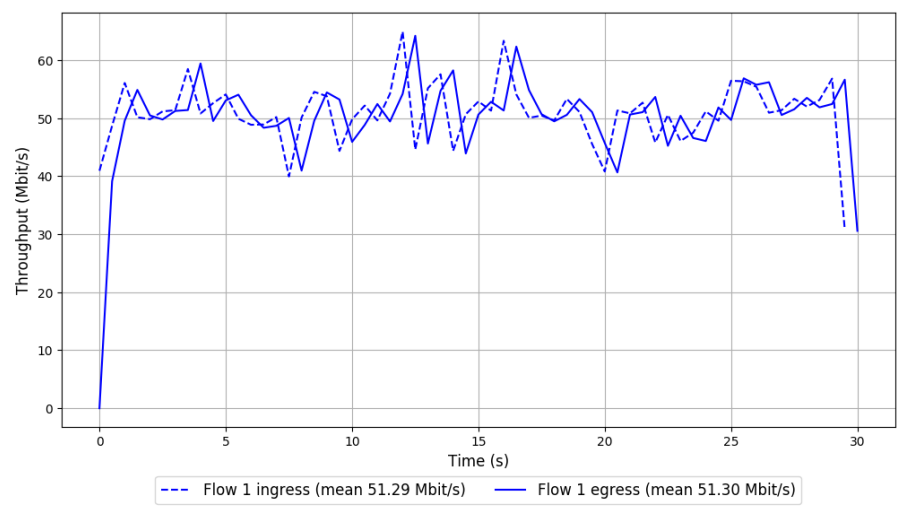


Run 7: Statistics of Copa

Start at: 2018-06-30 08:39:44
End at: 2018-06-30 08:40:14
Local clock offset: -0.503 ms
Remote clock offset: -0.392 ms

Below is generated by plot.py at 2018-06-30 09:58:30
Datalink statistics
-- Total of 1 flow:
Average throughput: 51.30 Mbit/s
95th percentile per-packet one-way delay: 15.925 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 51.30 Mbit/s
95th percentile per-packet one-way delay: 15.925 ms
Loss rate: 0.08%

Run 7: Report of Copa — Data Link



Run 8: Statistics of Copa

Start at: 2018-06-30 08:59:27

End at: 2018-06-30 08:59:57

Local clock offset: 1.725 ms

Remote clock offset: 0.17 ms

Below is generated by plot.py at 2018-06-30 09:58:38

Datalink statistics

-- Total of 1 flow:

Average throughput: 54.43 Mbit/s

95th percentile per-packet one-way delay: 18.113 ms

Loss rate: 0.07%

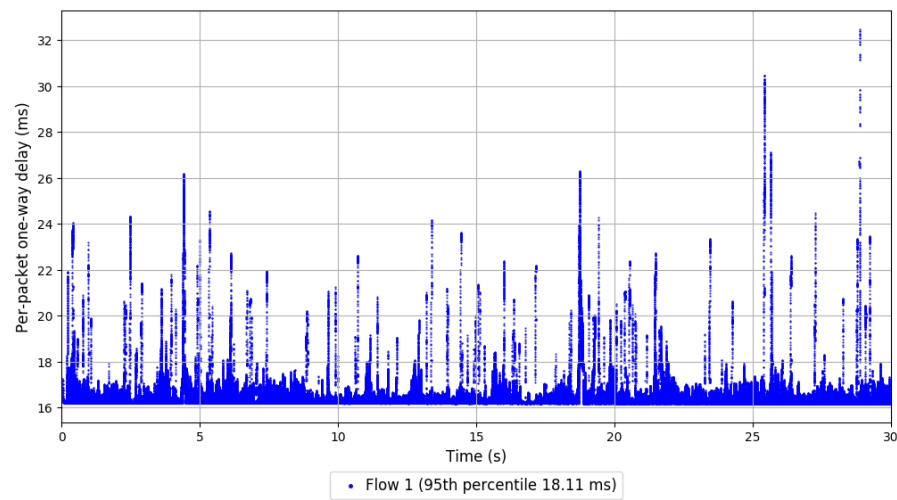
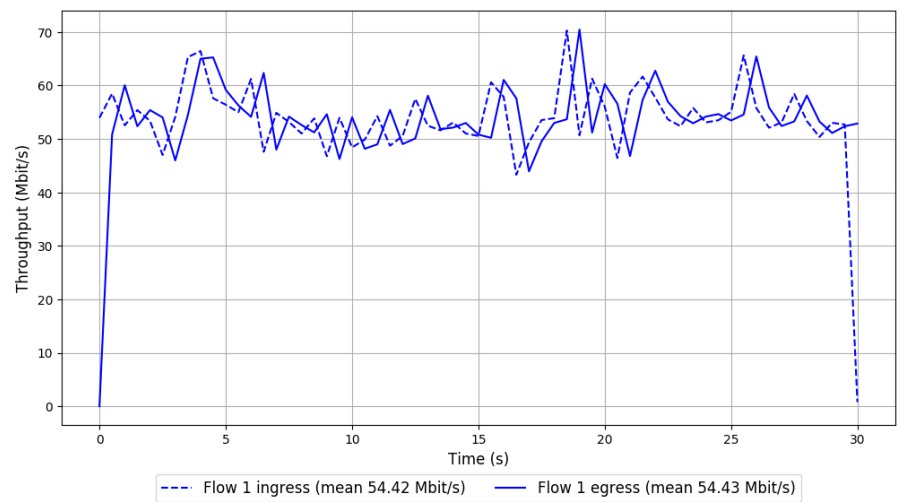
-- Flow 1:

Average throughput: 54.43 Mbit/s

95th percentile per-packet one-way delay: 18.113 ms

Loss rate: 0.07%

Run 8: Report of Copa — Data Link



Run 9: Statistics of Copa

Start at: 2018-06-30 09:19:12

End at: 2018-06-30 09:19:42

Local clock offset: 0.174 ms

Remote clock offset: 0.005 ms

Below is generated by plot.py at 2018-06-30 09:58:48

Datalink statistics

-- Total of 1 flow:

Average throughput: 55.97 Mbit/s

95th percentile per-packet one-way delay: 17.286 ms

Loss rate: 0.08%

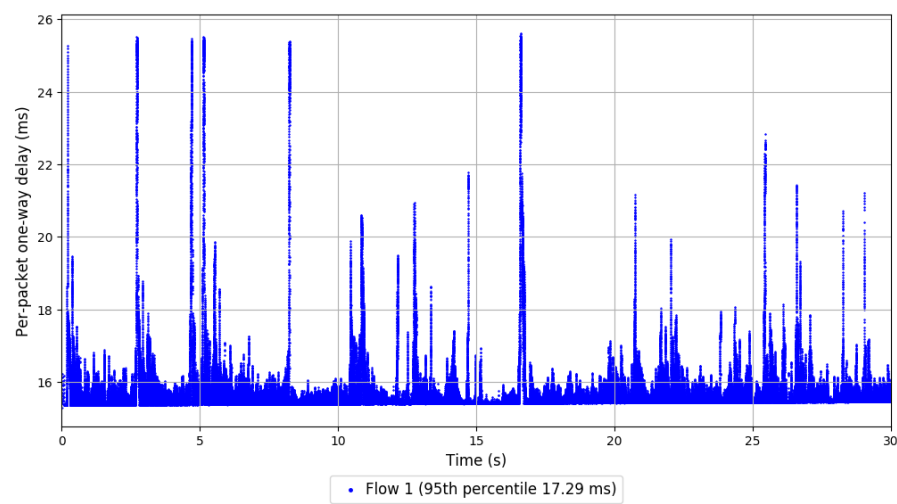
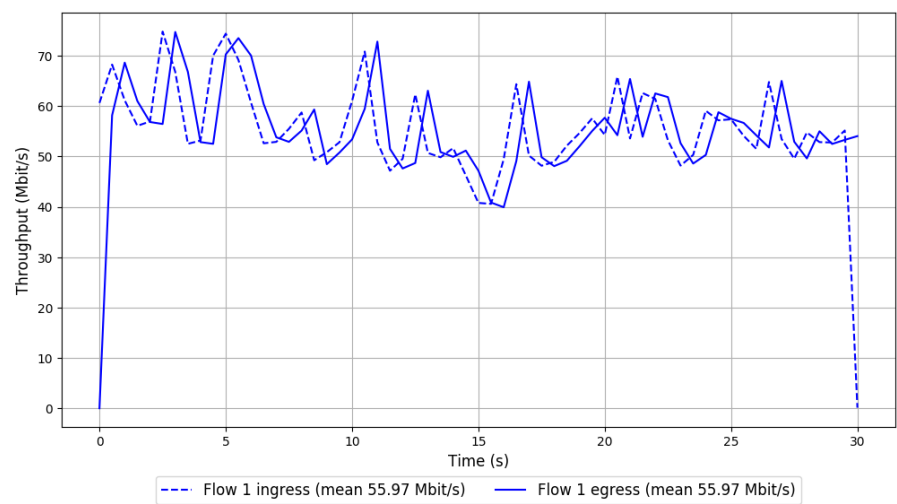
-- Flow 1:

Average throughput: 55.97 Mbit/s

95th percentile per-packet one-way delay: 17.286 ms

Loss rate: 0.08%

Run 9: Report of Copa — Data Link

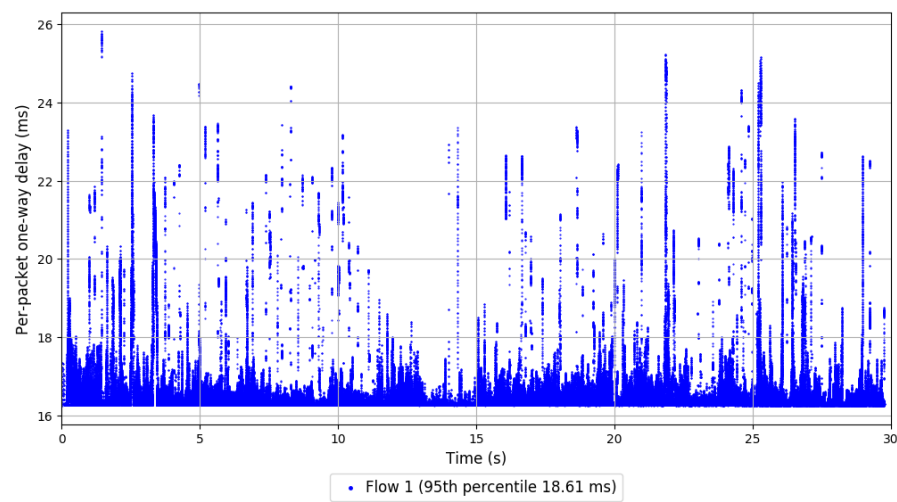
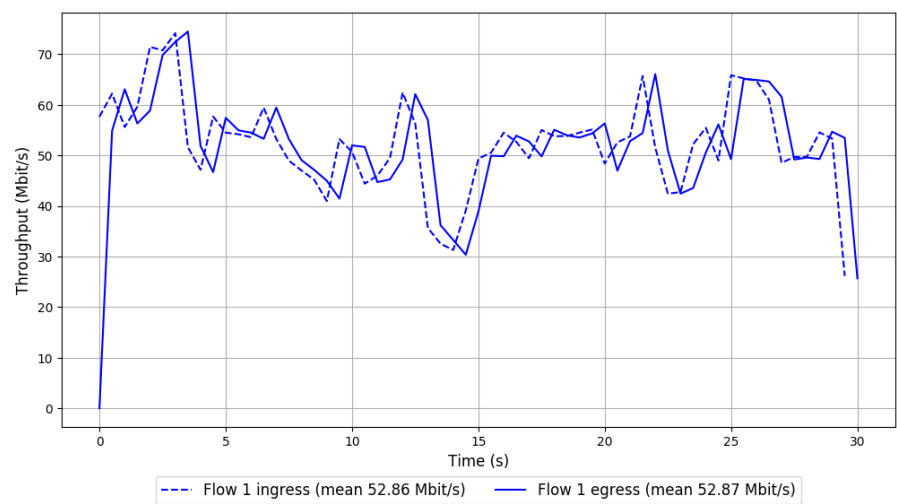


Run 10: Statistics of Copa

Start at: 2018-06-30 09:38:47
End at: 2018-06-30 09:39:17
Local clock offset: -1.284 ms
Remote clock offset: -2.728 ms

Below is generated by plot.py at 2018-06-30 09:58:53
Datalink statistics
-- Total of 1 flow:
Average throughput: 52.87 Mbit/s
95th percentile per-packet one-way delay: 18.614 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 52.87 Mbit/s
95th percentile per-packet one-way delay: 18.614 ms
Loss rate: 0.07%

Run 10: Report of Copa — Data Link



Run 1: Statistics of TCP Cubic

Start at: 2018-06-30 06:41:52

End at: 2018-06-30 06:42:22

Local clock offset: 2.17 ms

Remote clock offset: -9.712 ms

Below is generated by plot.py at 2018-06-30 09:58:53

Datalink statistics

-- Total of 1 flow:

Average throughput: 80.75 Mbit/s

95th percentile per-packet one-way delay: 31.096 ms

Loss rate: 0.13%

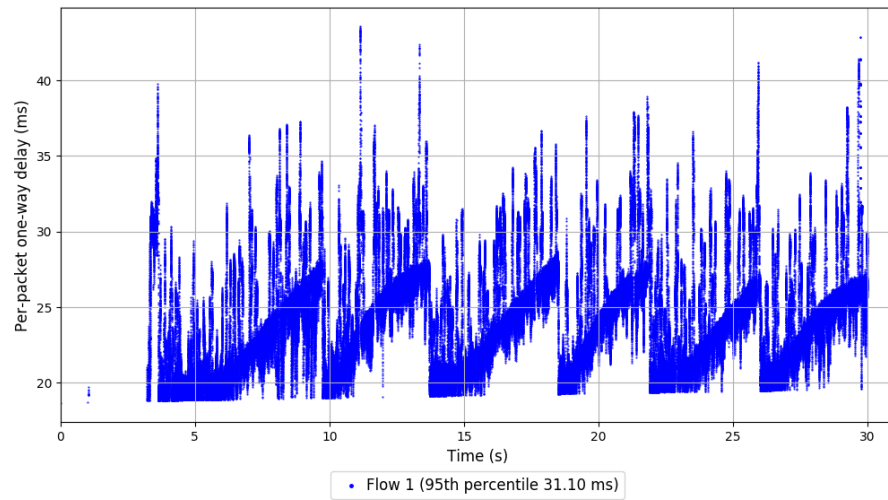
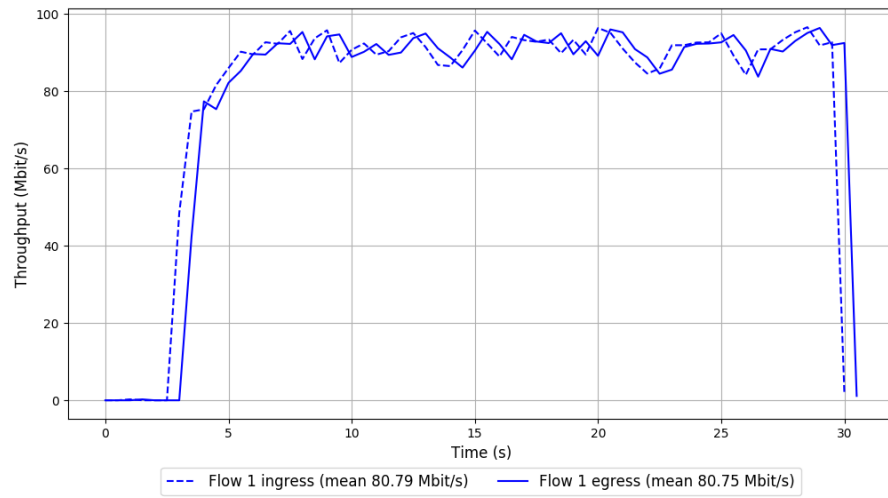
-- Flow 1:

Average throughput: 80.75 Mbit/s

95th percentile per-packet one-way delay: 31.096 ms

Loss rate: 0.13%

Run 1: Report of TCP Cubic — Data Link

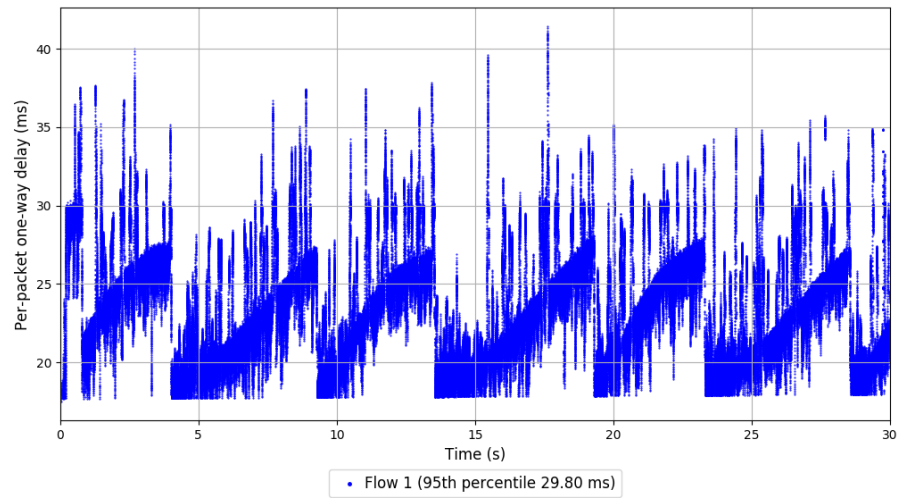
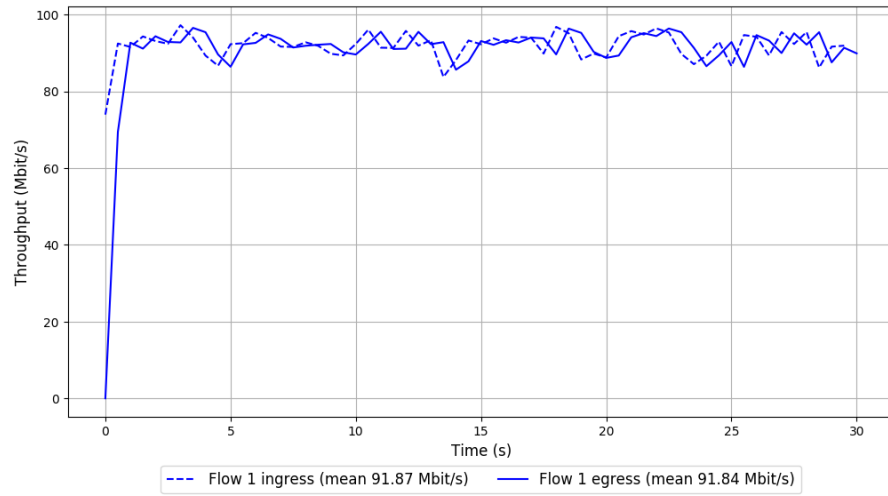


Run 2: Statistics of TCP Cubic

Start at: 2018-06-30 07:02:31
End at: 2018-06-30 07:03:01
Local clock offset: -0.391 ms
Remote clock offset: 10.532 ms

Below is generated by plot.py at 2018-06-30 09:58:54
Datalink statistics
-- Total of 1 flow:
Average throughput: 91.84 Mbit/s
95th percentile per-packet one-way delay: 29.797 ms
Loss rate: 0.11%
-- Flow 1:
Average throughput: 91.84 Mbit/s
95th percentile per-packet one-way delay: 29.797 ms
Loss rate: 0.11%

Run 2: Report of TCP Cubic — Data Link

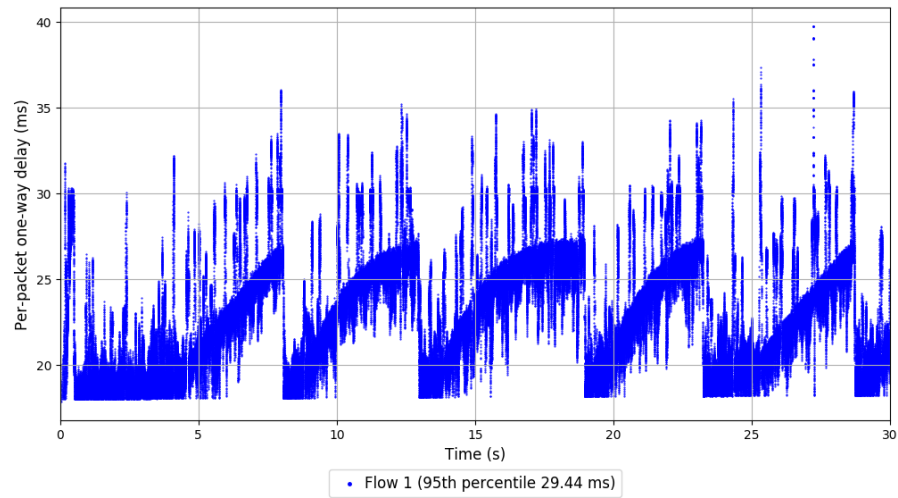
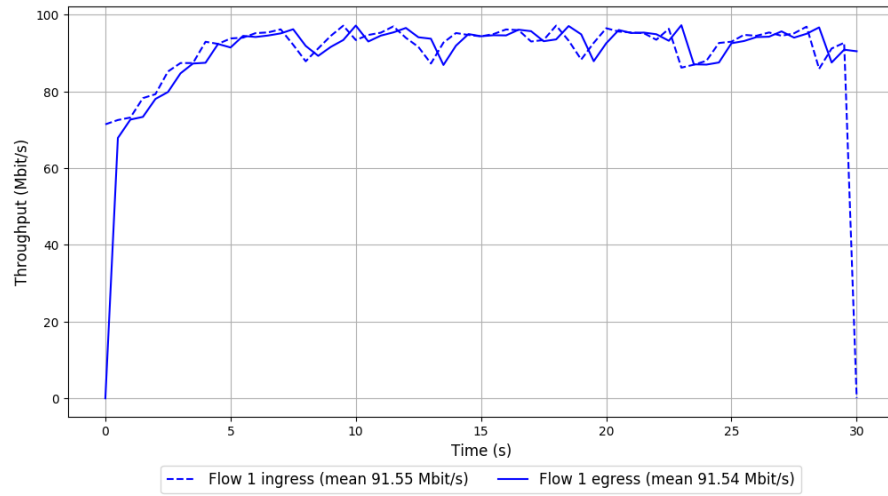


Run 3: Statistics of TCP Cubic

Start at: 2018-06-30 07:22:52
End at: 2018-06-30 07:23:22
Local clock offset: -0.532 ms
Remote clock offset: 20.103 ms

Below is generated by plot.py at 2018-06-30 09:58:58
Datalink statistics
-- Total of 1 flow:
Average throughput: 91.54 Mbit/s
95th percentile per-packet one-way delay: 29.437 ms
Loss rate: 0.11%
-- Flow 1:
Average throughput: 91.54 Mbit/s
95th percentile per-packet one-way delay: 29.437 ms
Loss rate: 0.11%

Run 3: Report of TCP Cubic — Data Link



Run 4: Statistics of TCP Cubic

Start at: 2018-06-30 07:43:11

End at: 2018-06-30 07:43:41

Local clock offset: 0.758 ms

Remote clock offset: 14.68 ms

Below is generated by plot.py at 2018-06-30 09:59:01

Datalink statistics

-- Total of 1 flow:

Average throughput: 92.81 Mbit/s

95th percentile per-packet one-way delay: 26.087 ms

Loss rate: 0.12%

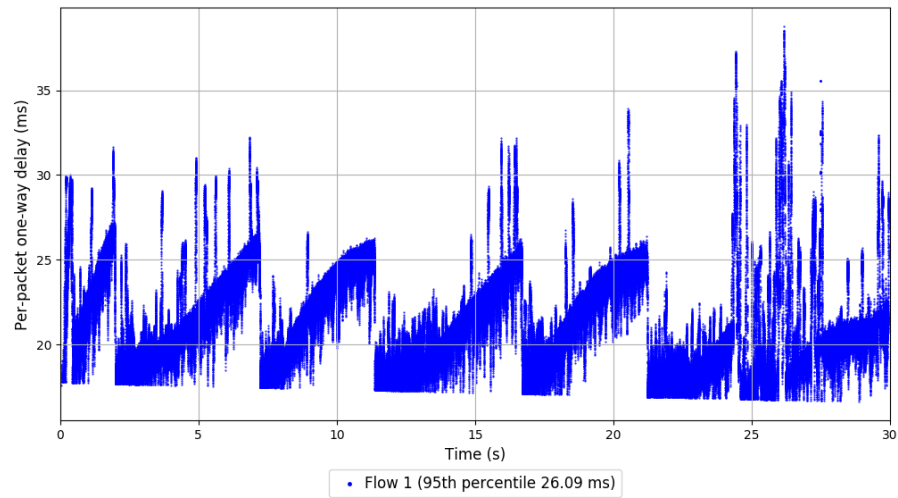
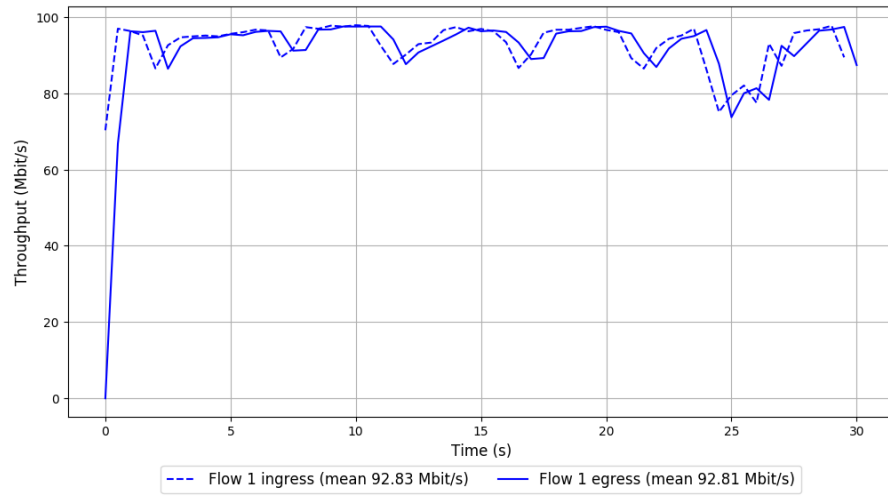
-- Flow 1:

Average throughput: 92.81 Mbit/s

95th percentile per-packet one-way delay: 26.087 ms

Loss rate: 0.12%

Run 4: Report of TCP Cubic — Data Link



Run 5: Statistics of TCP Cubic

Start at: 2018-06-30 08:03:20

End at: 2018-06-30 08:03:51

Local clock offset: -4.014 ms

Remote clock offset: -9.99 ms

Below is generated by plot.py at 2018-06-30 09:59:39

Datalink statistics

-- Total of 1 flow:

Average throughput: 93.25 Mbit/s

95th percentile per-packet one-way delay: 27.255 ms

Loss rate: 0.10%

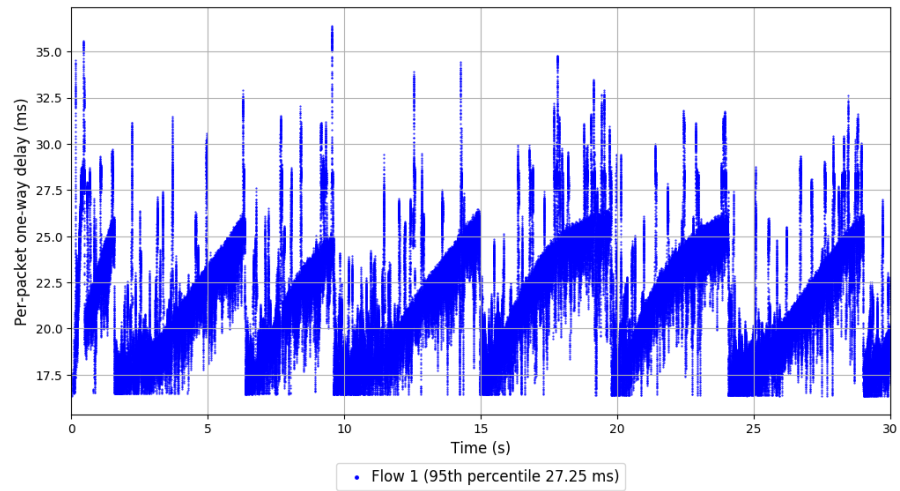
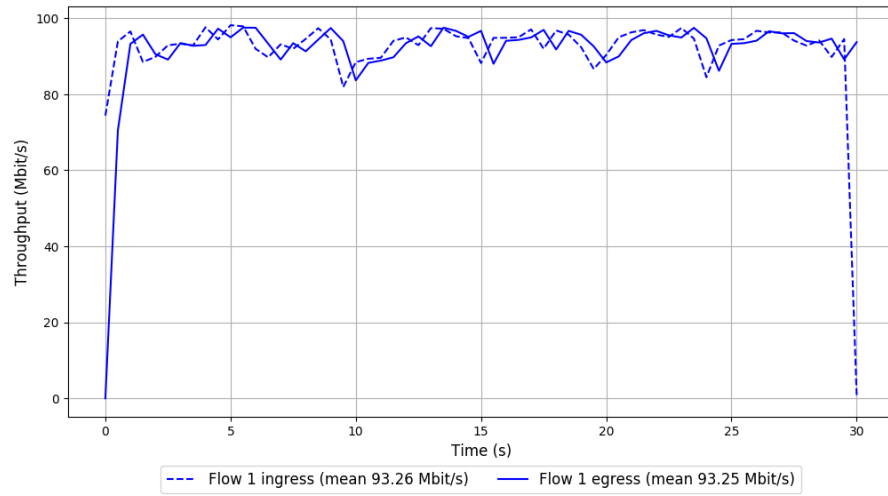
-- Flow 1:

Average throughput: 93.25 Mbit/s

95th percentile per-packet one-way delay: 27.255 ms

Loss rate: 0.10%

Run 5: Report of TCP Cubic — Data Link



Run 6: Statistics of TCP Cubic

Start at: 2018-06-30 08:23:32

End at: 2018-06-30 08:24:03

Local clock offset: 1.623 ms

Remote clock offset: -3.34 ms

Below is generated by plot.py at 2018-06-30 09:59:44

Datalink statistics

-- Total of 1 flow:

Average throughput: 91.94 Mbit/s

95th percentile per-packet one-way delay: 29.723 ms

Loss rate: 0.10%

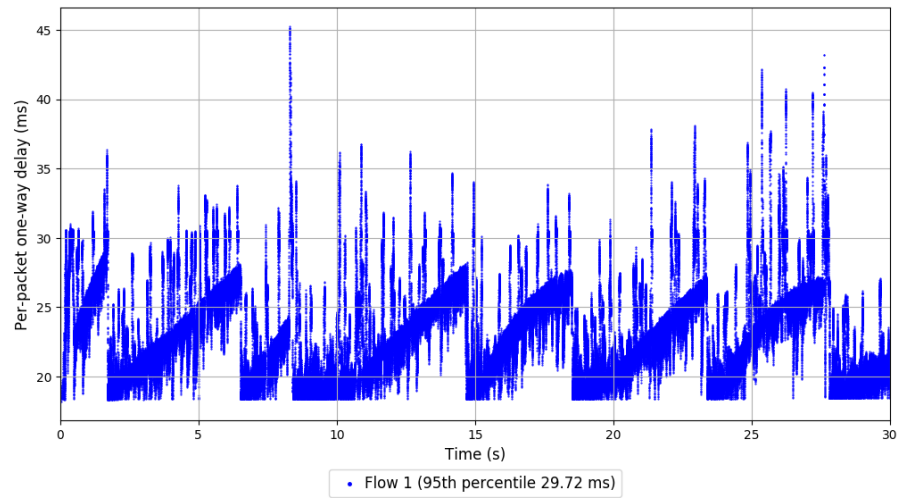
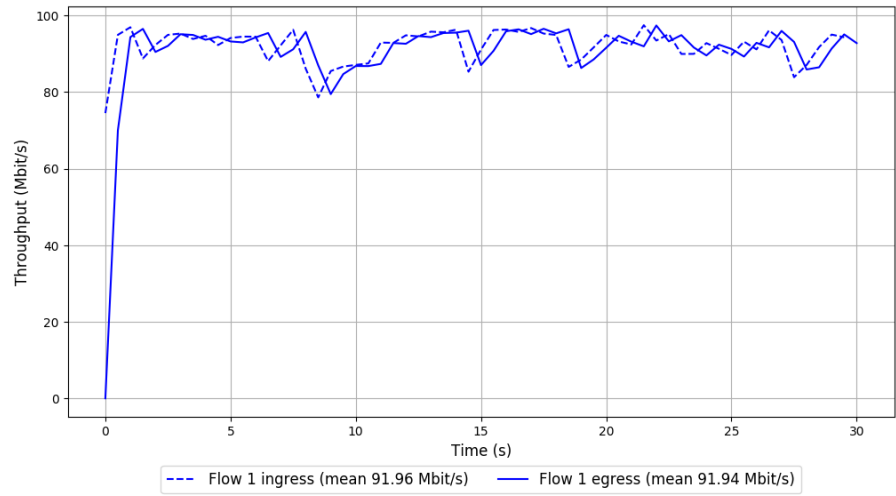
-- Flow 1:

Average throughput: 91.94 Mbit/s

95th percentile per-packet one-way delay: 29.723 ms

Loss rate: 0.10%

Run 6: Report of TCP Cubic — Data Link

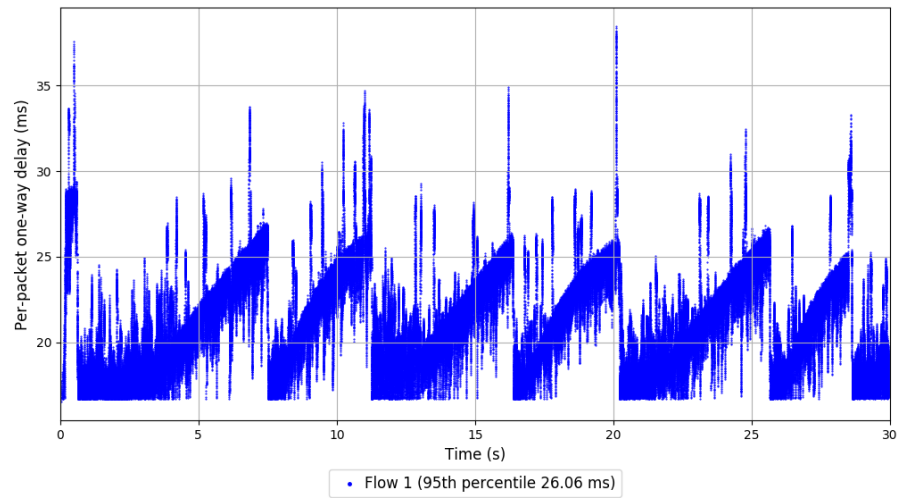
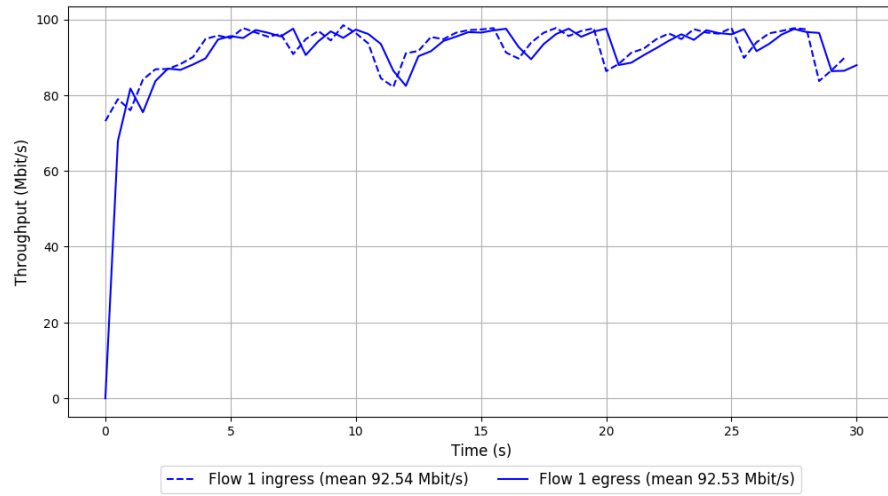


Run 7: Statistics of TCP Cubic

Start at: 2018-06-30 08:43:18
End at: 2018-06-30 08:43:48
Local clock offset: 1.834 ms
Remote clock offset: -0.038 ms

Below is generated by plot.py at 2018-06-30 09:59:47
Datalink statistics
-- Total of 1 flow:
Average throughput: 92.53 Mbit/s
95th percentile per-packet one-way delay: 26.062 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 92.53 Mbit/s
95th percentile per-packet one-way delay: 26.062 ms
Loss rate: 0.09%

Run 7: Report of TCP Cubic — Data Link



Run 8: Statistics of TCP Cubic

Start at: 2018-06-30 09:03:00

End at: 2018-06-30 09:03:30

Local clock offset: 1.476 ms

Remote clock offset: 0.498 ms

Below is generated by plot.py at 2018-06-30 09:59:49

Datalink statistics

-- Total of 1 flow:

Average throughput: 93.51 Mbit/s

95th percentile per-packet one-way delay: 26.418 ms

Loss rate: 0.12%

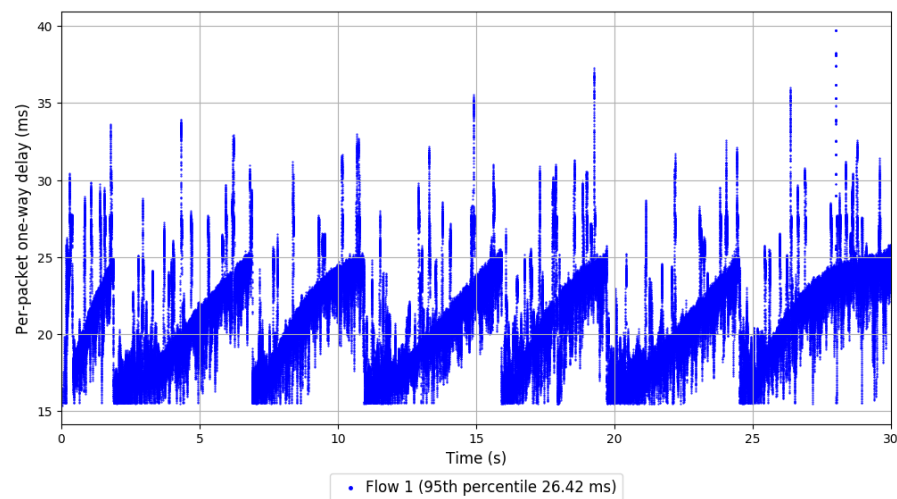
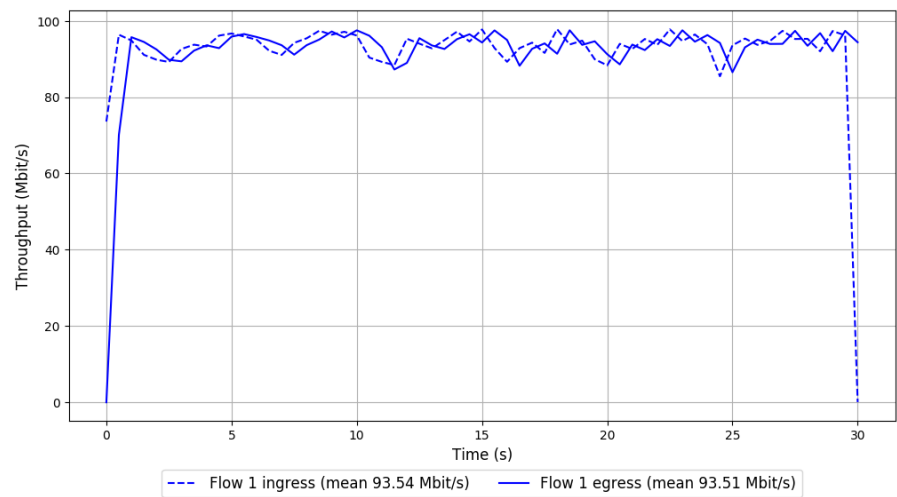
-- Flow 1:

Average throughput: 93.51 Mbit/s

95th percentile per-packet one-way delay: 26.418 ms

Loss rate: 0.12%

Run 8: Report of TCP Cubic — Data Link

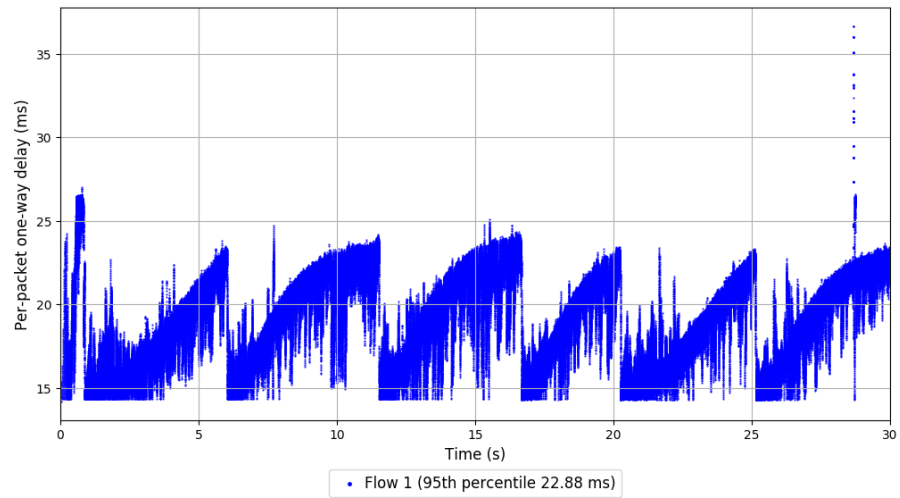
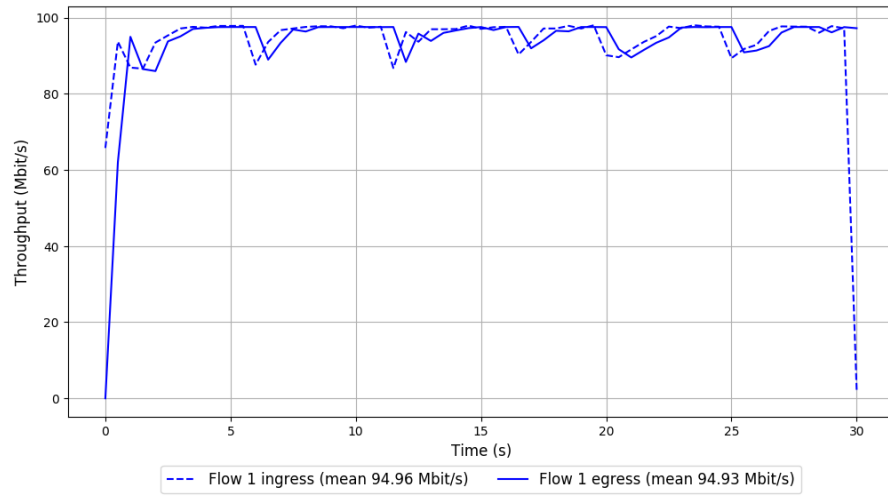


Run 9: Statistics of TCP Cubic

Start at: 2018-06-30 09:22:42
End at: 2018-06-30 09:23:12
Local clock offset: -1.87 ms
Remote clock offset: -0.766 ms

Below is generated by plot.py at 2018-06-30 10:00:02
Datalink statistics
-- Total of 1 flow:
Average throughput: 94.93 Mbit/s
95th percentile per-packet one-way delay: 22.880 ms
Loss rate: 0.12%
-- Flow 1:
Average throughput: 94.93 Mbit/s
95th percentile per-packet one-way delay: 22.880 ms
Loss rate: 0.12%

Run 9: Report of TCP Cubic — Data Link



Run 10: Statistics of TCP Cubic

Start at: 2018-06-30 09:42:21

End at: 2018-06-30 09:42:51

Local clock offset: -0.021 ms

Remote clock offset: -2.929 ms

Below is generated by plot.py at 2018-06-30 10:00:02

Datalink statistics

-- Total of 1 flow:

Average throughput: 92.55 Mbit/s

95th percentile per-packet one-way delay: 27.234 ms

Loss rate: 0.10%

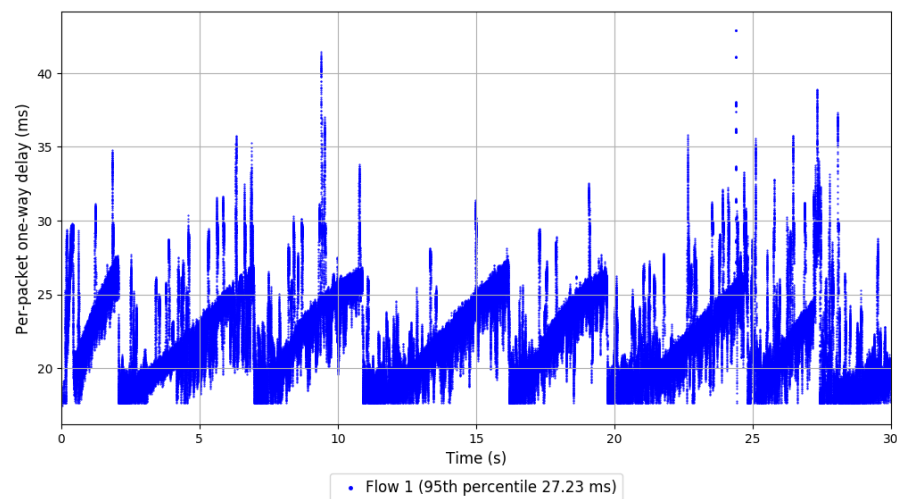
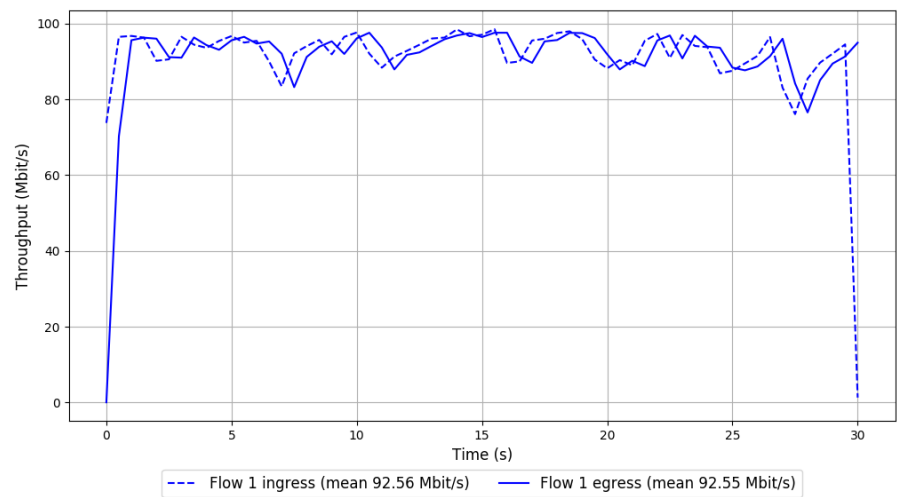
-- Flow 1:

Average throughput: 92.55 Mbit/s

95th percentile per-packet one-way delay: 27.234 ms

Loss rate: 0.10%

Run 10: Report of TCP Cubic — Data Link

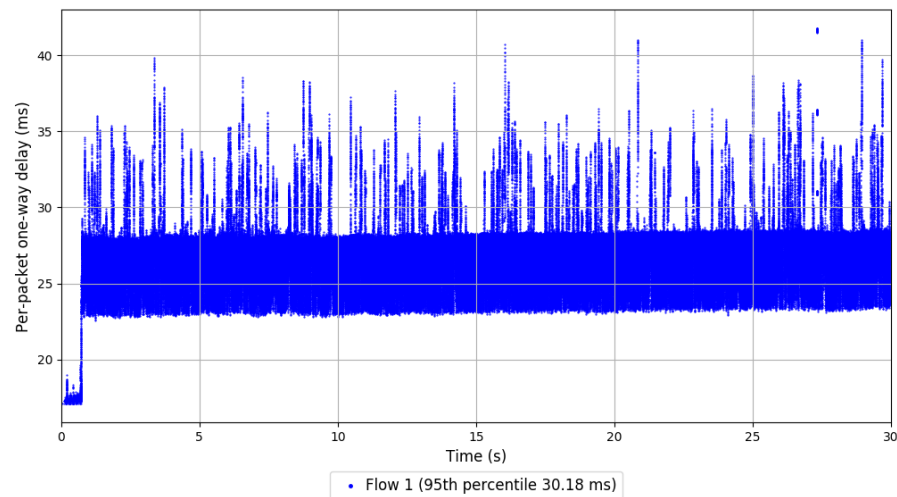
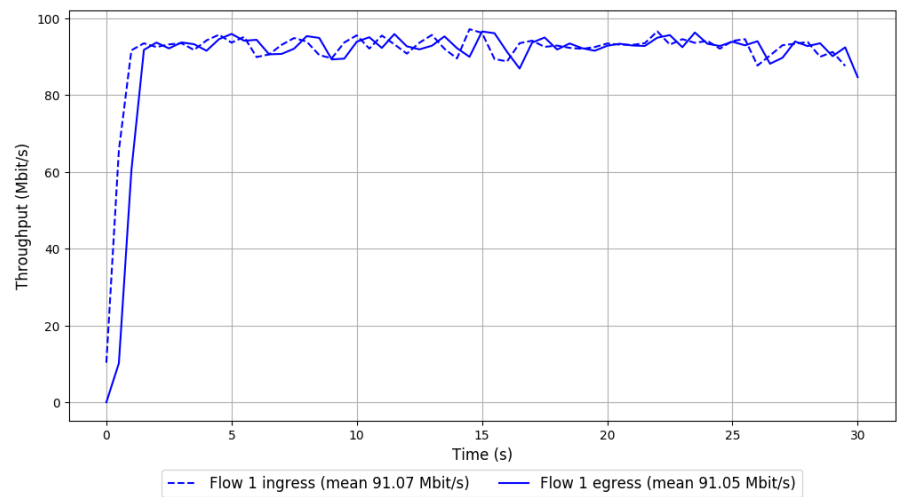


Run 1: Statistics of FillP

Start at: 2018-06-30 06:49:04
End at: 2018-06-30 06:49:34
Local clock offset: -1.991 ms
Remote clock offset: -2.377 ms

Below is generated by plot.py at 2018-06-30 10:00:15
Datalink statistics
-- Total of 1 flow:
Average throughput: 91.05 Mbit/s
95th percentile per-packet one-way delay: 30.180 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 91.05 Mbit/s
95th percentile per-packet one-way delay: 30.180 ms
Loss rate: 0.13%

Run 1: Report of FillP — Data Link



Run 2: Statistics of FillP

Start at: 2018-06-30 07:09:36

End at: 2018-06-30 07:10:06

Local clock offset: 1.746 ms

Remote clock offset: 14.116 ms

Below is generated by plot.py at 2018-06-30 10:00:18

Datalink statistics

-- Total of 1 flow:

Average throughput: 90.61 Mbit/s

95th percentile per-packet one-way delay: 33.230 ms

Loss rate: 0.12%

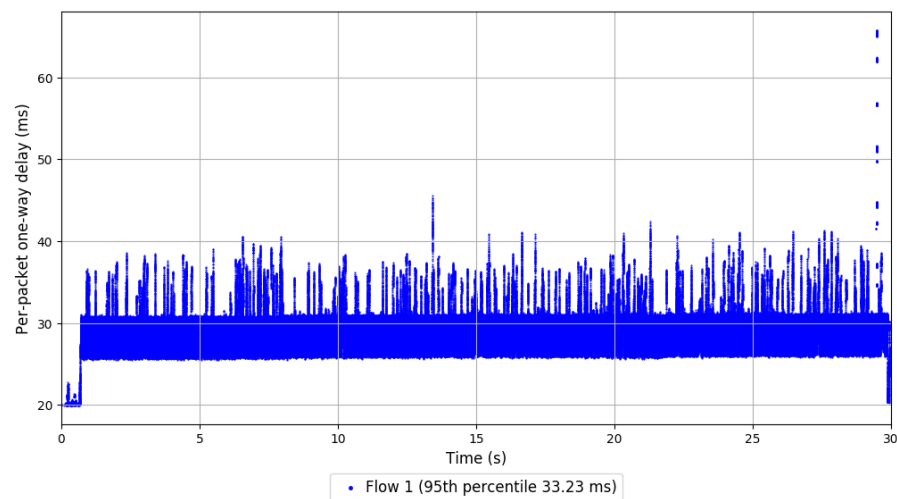
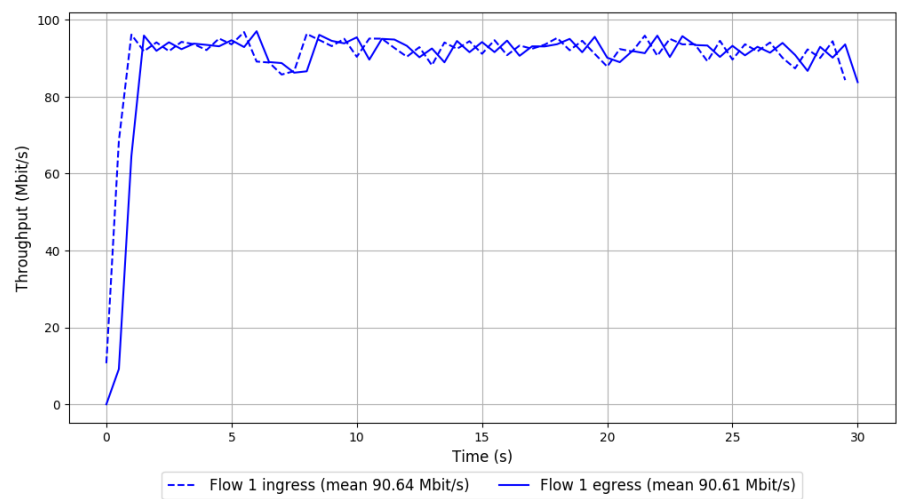
-- Flow 1:

Average throughput: 90.61 Mbit/s

95th percentile per-packet one-way delay: 33.230 ms

Loss rate: 0.12%

Run 2: Report of FillP — Data Link

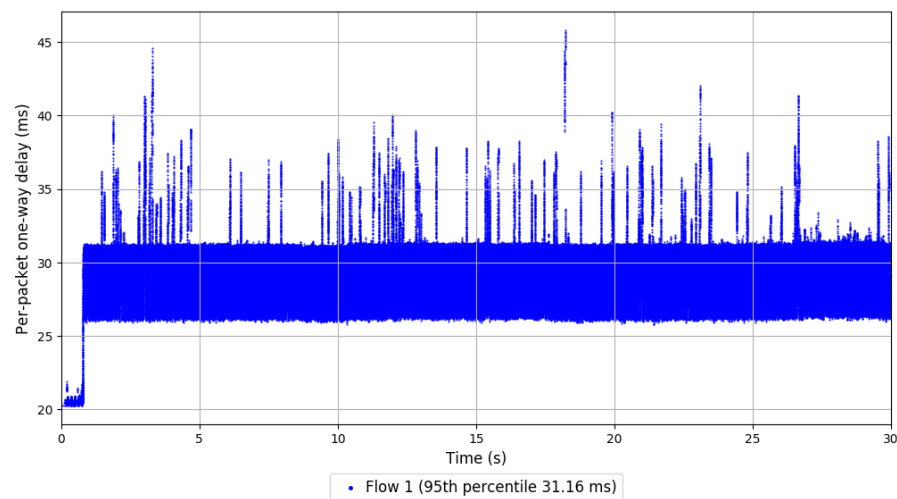
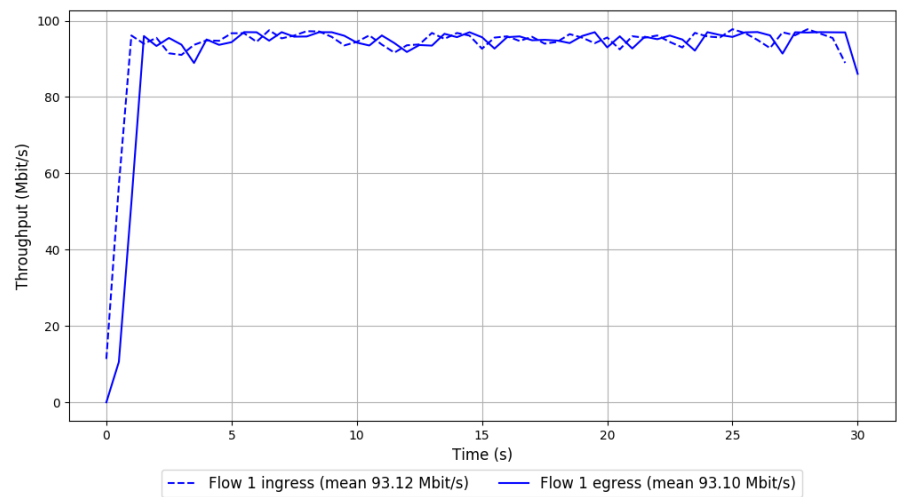


Run 3: Statistics of FillP

Start at: 2018-06-30 07:30:15
End at: 2018-06-30 07:30:45
Local clock offset: 2.197 ms
Remote clock offset: 23.804 ms

Below is generated by plot.py at 2018-06-30 10:01:02
Datalink statistics
-- Total of 1 flow:
Average throughput: 93.10 Mbit/s
95th percentile per-packet one-way delay: 31.158 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 93.10 Mbit/s
95th percentile per-packet one-way delay: 31.158 ms
Loss rate: 0.13%

Run 3: Report of FillP — Data Link



Run 4: Statistics of FillP

Start at: 2018-06-30 07:50:15

End at: 2018-06-30 07:50:45

Local clock offset: -1.425 ms

Remote clock offset: 1.978 ms

Below is generated by plot.py at 2018-06-30 10:01:10

Datalink statistics

-- Total of 1 flow:

Average throughput: 94.30 Mbit/s

95th percentile per-packet one-way delay: 26.840 ms

Loss rate: 0.11%

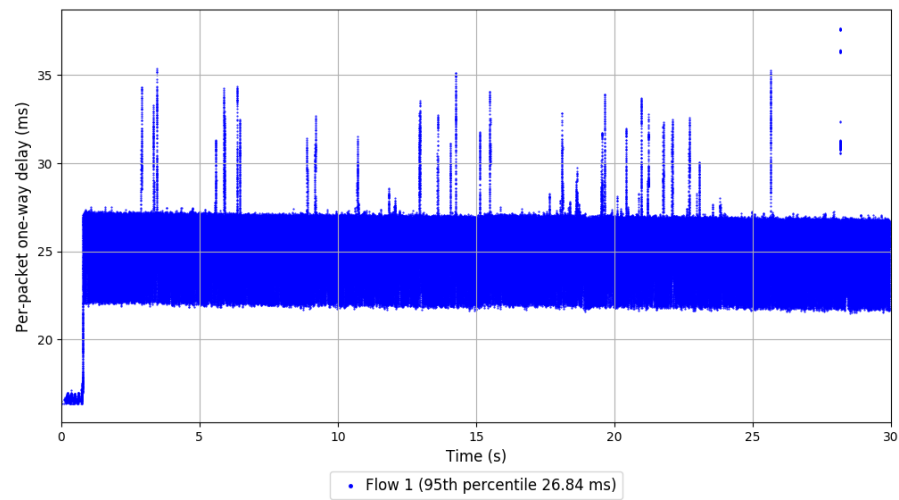
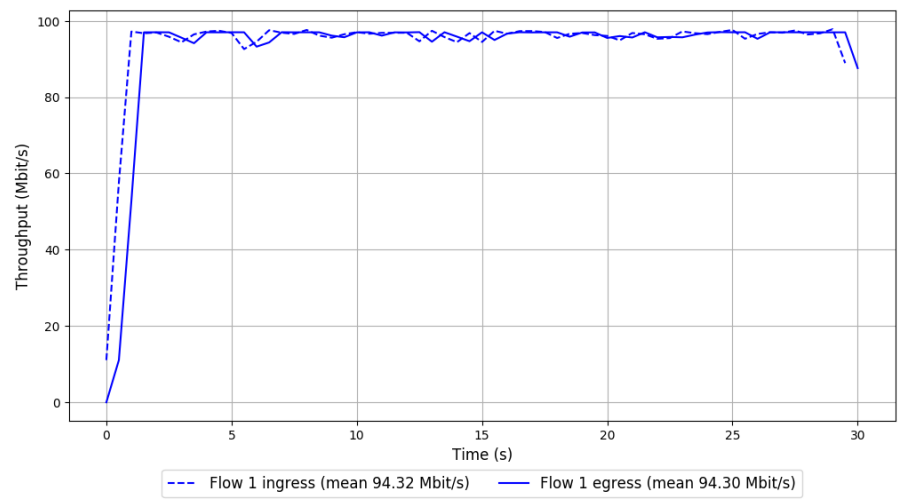
-- Flow 1:

Average throughput: 94.30 Mbit/s

95th percentile per-packet one-way delay: 26.840 ms

Loss rate: 0.11%

Run 4: Report of FillP — Data Link

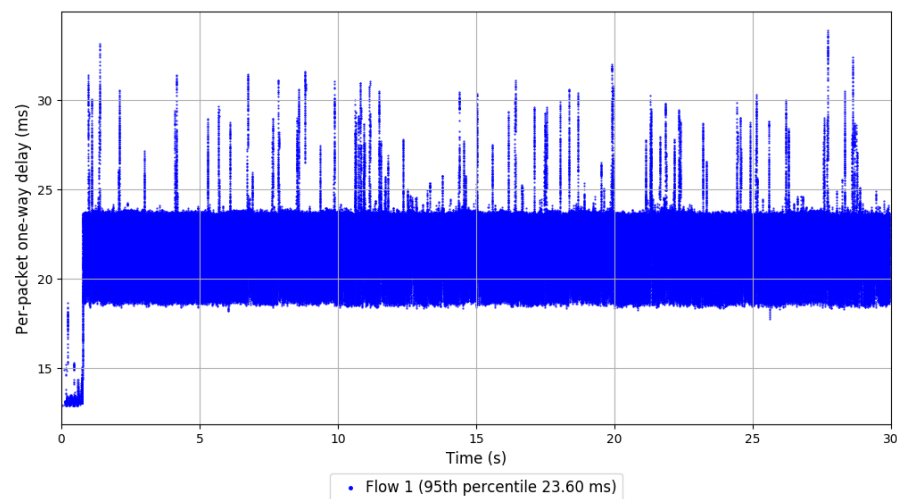
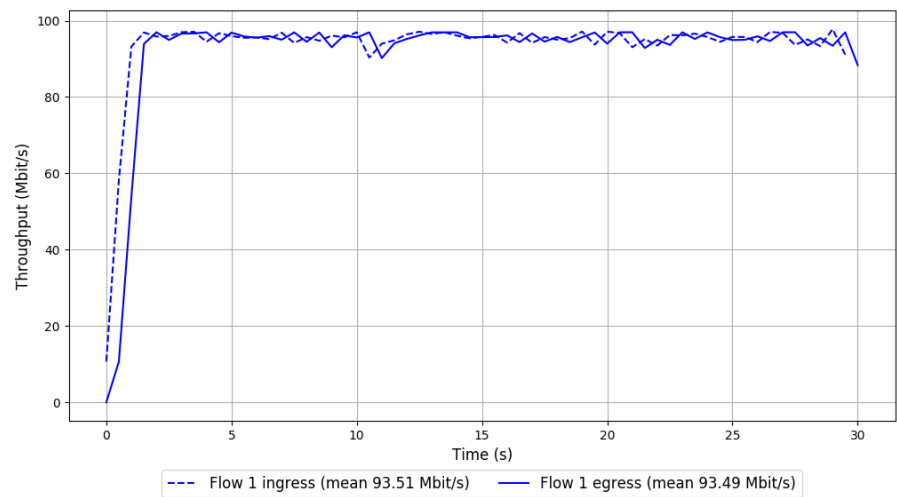


Run 5: Statistics of FillP

Start at: 2018-06-30 08:10:32
End at: 2018-06-30 08:11:02
Local clock offset: -4.591 ms
Remote clock offset: -8.934 ms

Below is generated by plot.py at 2018-06-30 10:01:13
Datalink statistics
-- Total of 1 flow:
Average throughput: 93.49 Mbit/s
95th percentile per-packet one-way delay: 23.596 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 93.49 Mbit/s
95th percentile per-packet one-way delay: 23.596 ms
Loss rate: 0.13%

Run 5: Report of FillP — Data Link

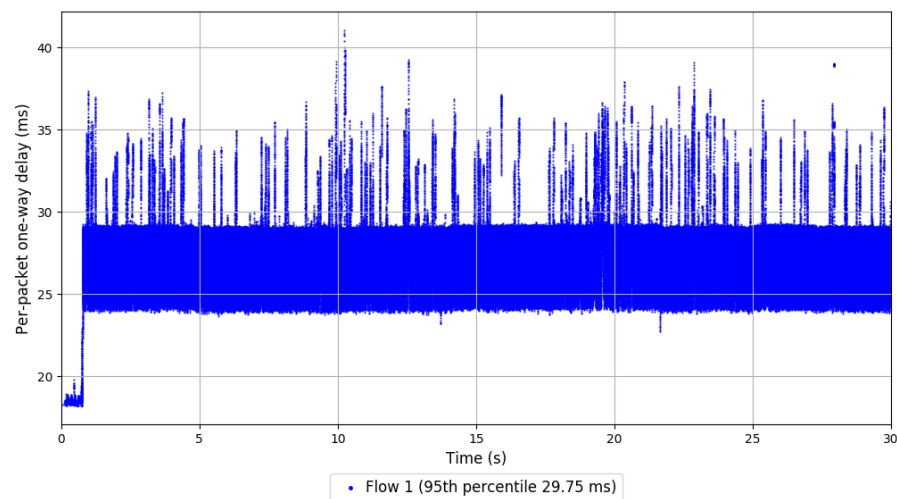
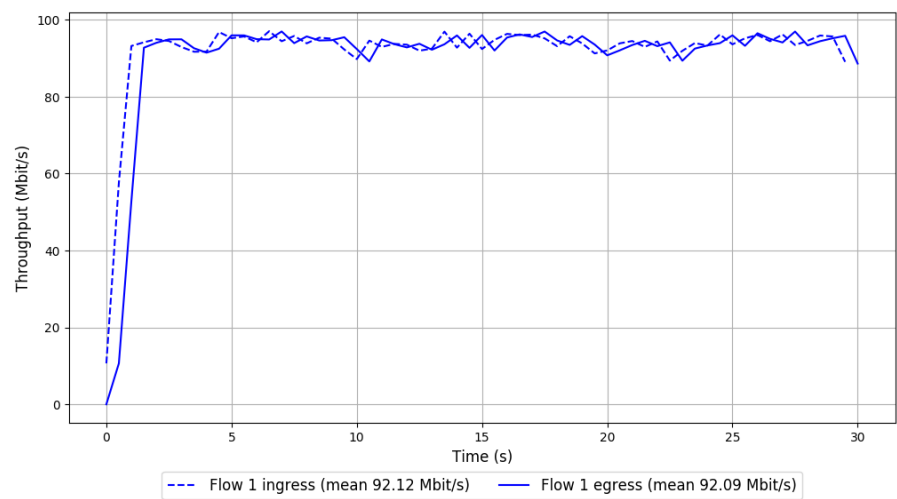


Run 6: Statistics of FillP

Start at: 2018-06-30 08:30:32
End at: 2018-06-30 08:31:02
Local clock offset: 3.264 ms
Remote clock offset: -0.858 ms

Below is generated by plot.py at 2018-06-30 10:01:14
Datalink statistics
-- Total of 1 flow:
Average throughput: 92.09 Mbit/s
95th percentile per-packet one-way delay: 29.747 ms
Loss rate: 0.12%
-- Flow 1:
Average throughput: 92.09 Mbit/s
95th percentile per-packet one-way delay: 29.747 ms
Loss rate: 0.12%

Run 6: Report of FillP — Data Link

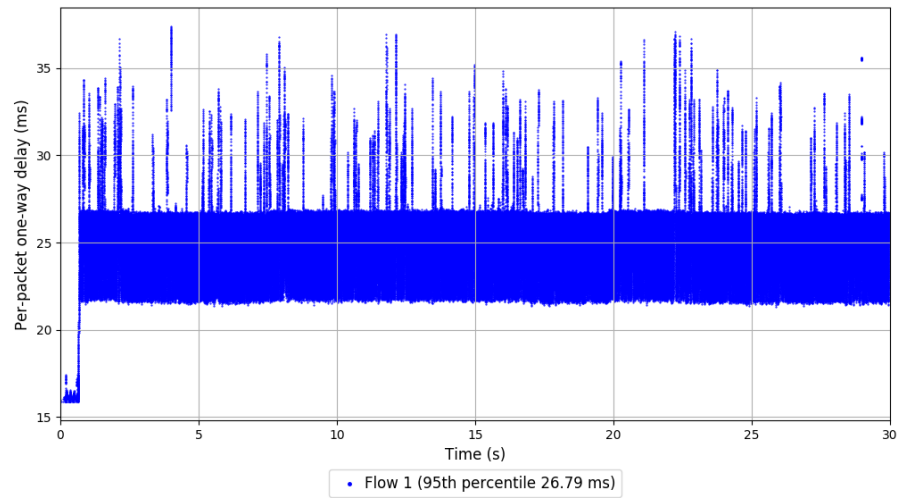
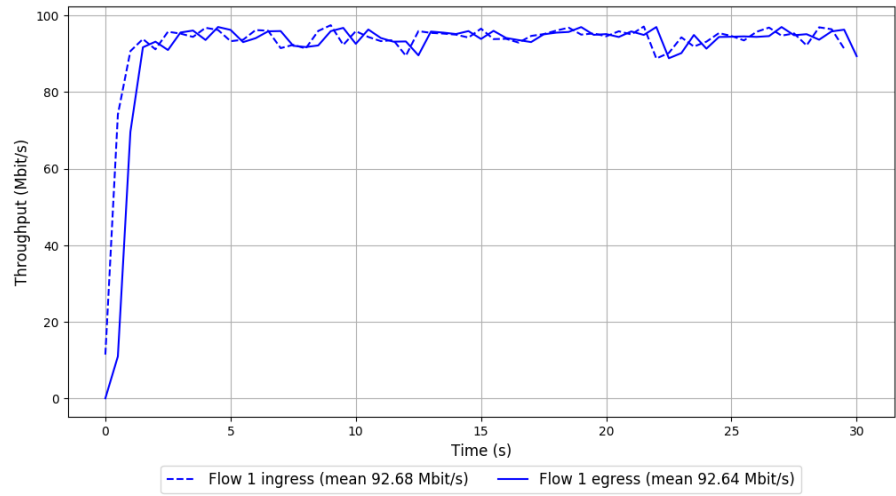


Run 7: Statistics of FillP

Start at: 2018-06-30 08:50:24
End at: 2018-06-30 08:50:54
Local clock offset: 0.952 ms
Remote clock offset: -0.267 ms

Below is generated by plot.py at 2018-06-30 10:01:24
Datalink statistics
-- Total of 1 flow:
Average throughput: 92.64 Mbit/s
95th percentile per-packet one-way delay: 26.788 ms
Loss rate: 0.12%
-- Flow 1:
Average throughput: 92.64 Mbit/s
95th percentile per-packet one-way delay: 26.788 ms
Loss rate: 0.12%

Run 7: Report of FillP — Data Link

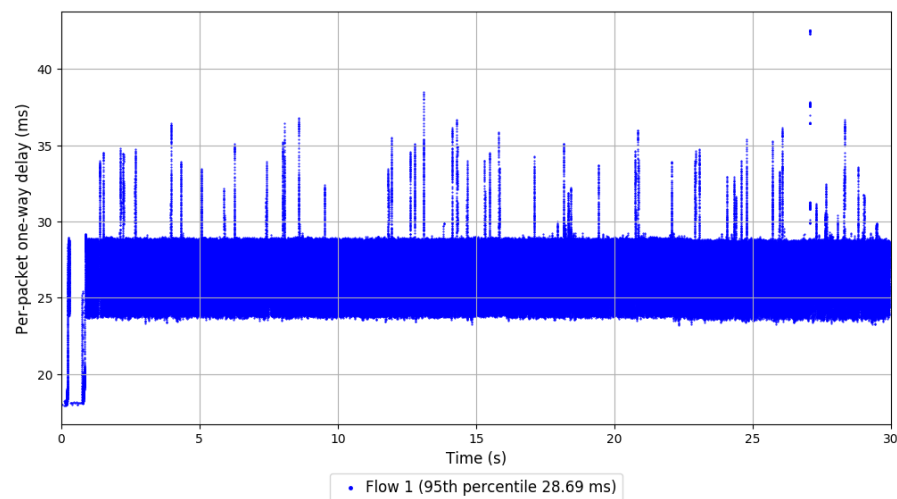
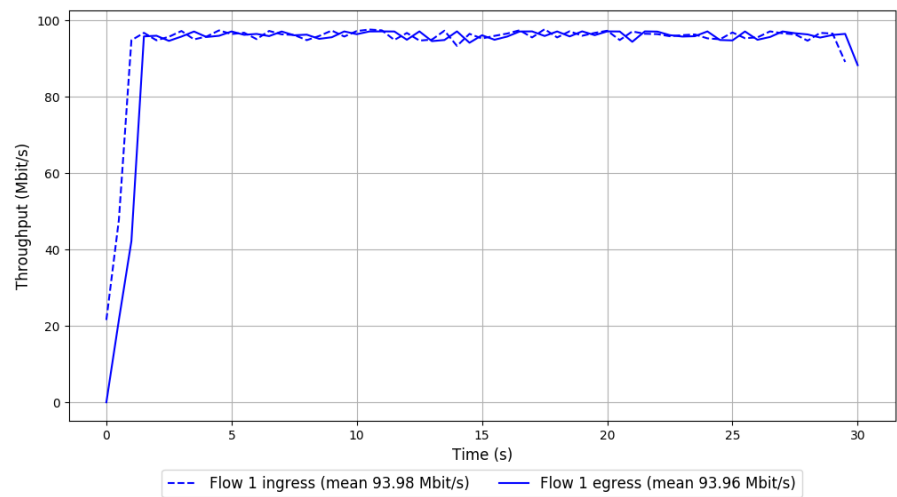


Run 8: Statistics of FillP

Start at: 2018-06-30 09:09:51
End at: 2018-06-30 09:10:21
Local clock offset: 3.448 ms
Remote clock offset: -0.241 ms

Below is generated by plot.py at 2018-06-30 10:01:29
Datalink statistics
-- Total of 1 flow:
Average throughput: 93.96 Mbit/s
95th percentile per-packet one-way delay: 28.690 ms
Loss rate: 0.11%
-- Flow 1:
Average throughput: 93.96 Mbit/s
95th percentile per-packet one-way delay: 28.690 ms
Loss rate: 0.11%

Run 8: Report of FillP — Data Link

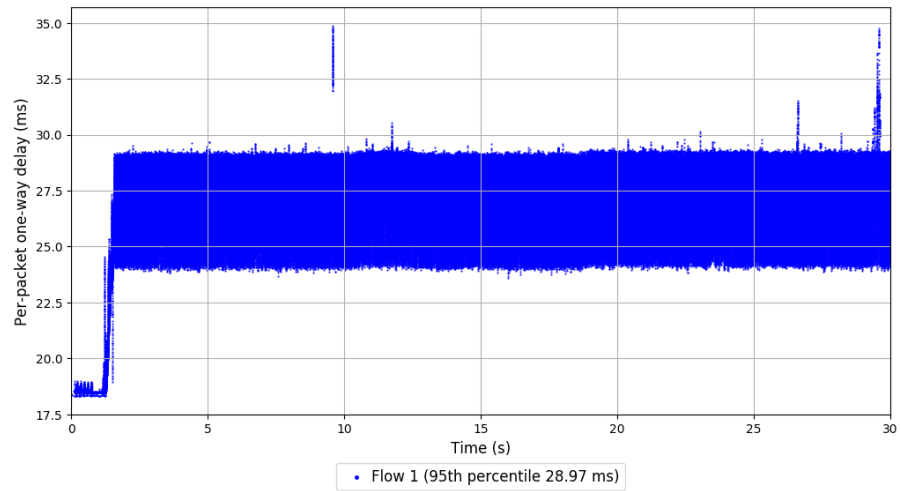
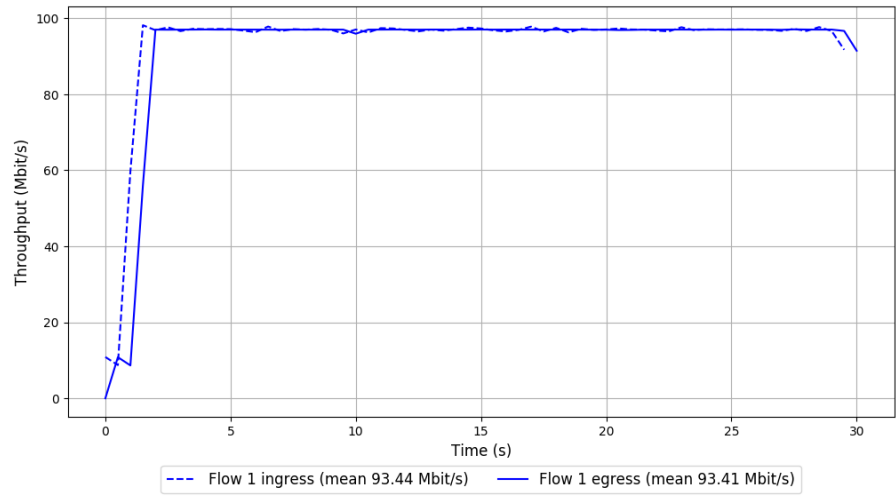


Run 9: Statistics of FillP

Start at: 2018-06-30 09:29:41
End at: 2018-06-30 09:30:11
Local clock offset: 1.179 ms
Remote clock offset: -2.207 ms

Below is generated by plot.py at 2018-06-30 10:01:42
Datalink statistics
-- Total of 1 flow:
Average throughput: 93.41 Mbit/s
95th percentile per-packet one-way delay: 28.971 ms
Loss rate: 0.11%
-- Flow 1:
Average throughput: 93.41 Mbit/s
95th percentile per-packet one-way delay: 28.971 ms
Loss rate: 0.11%

Run 9: Report of FillP — Data Link

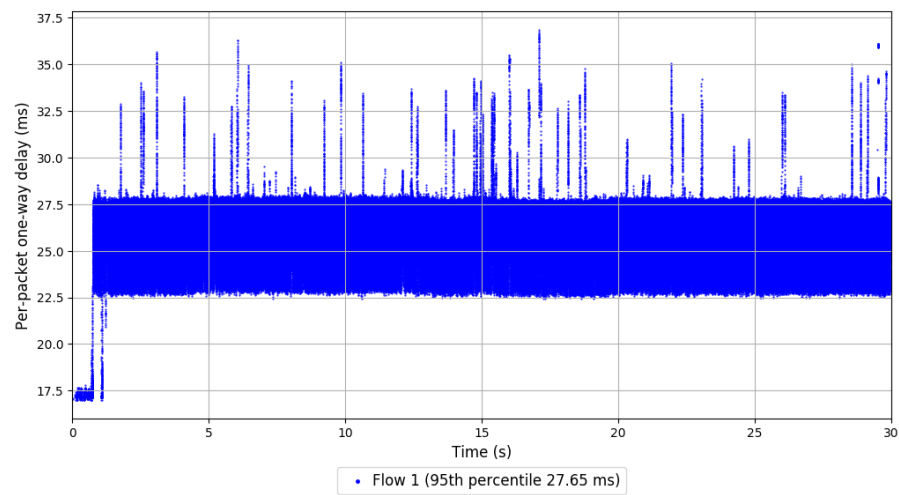
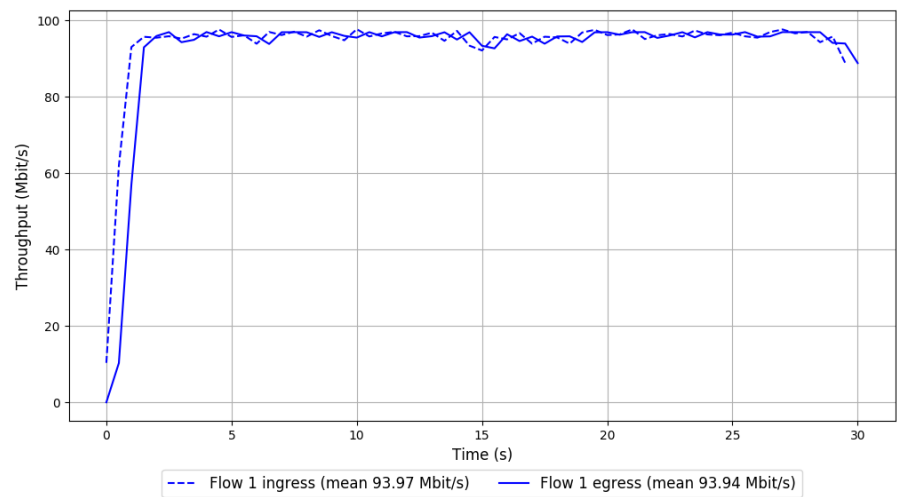


Run 10: Statistics of FillP

Start at: 2018-06-30 09:49:31
End at: 2018-06-30 09:50:01
Local clock offset: -0.164 ms
Remote clock offset: -3.835 ms

Below is generated by plot.py at 2018-06-30 10:01:50
Datalink statistics
-- Total of 1 flow:
Average throughput: 93.94 Mbit/s
95th percentile per-packet one-way delay: 27.651 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 93.94 Mbit/s
95th percentile per-packet one-way delay: 27.651 ms
Loss rate: 0.13%

Run 10: Report of FillP — Data Link



Run 1: Statistics of FillP-Sheep

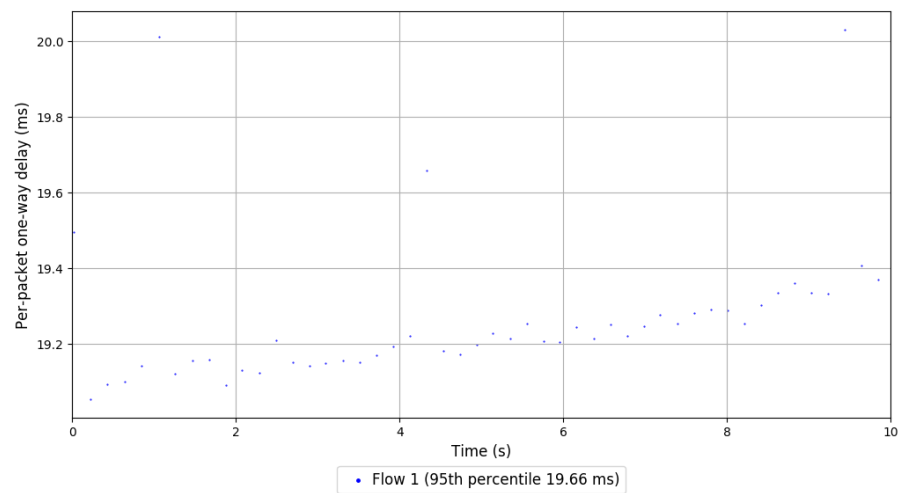
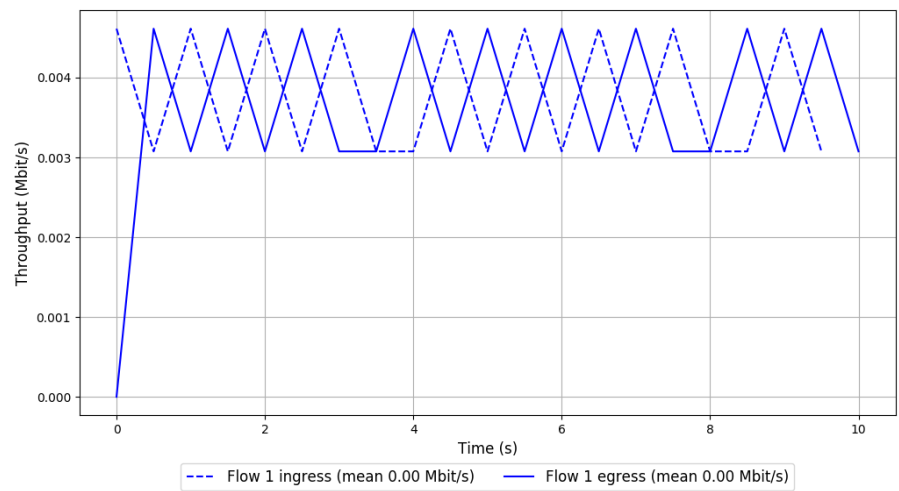
Start at: 2018-06-30 06:43:03

End at: 2018-06-30 06:43:33

Local clock offset: 2.051 ms

Remote clock offset: -8.262 ms

Run 1: Report of FillP-Sheep — Data Link



Run 2: Statistics of FillP-Sheep

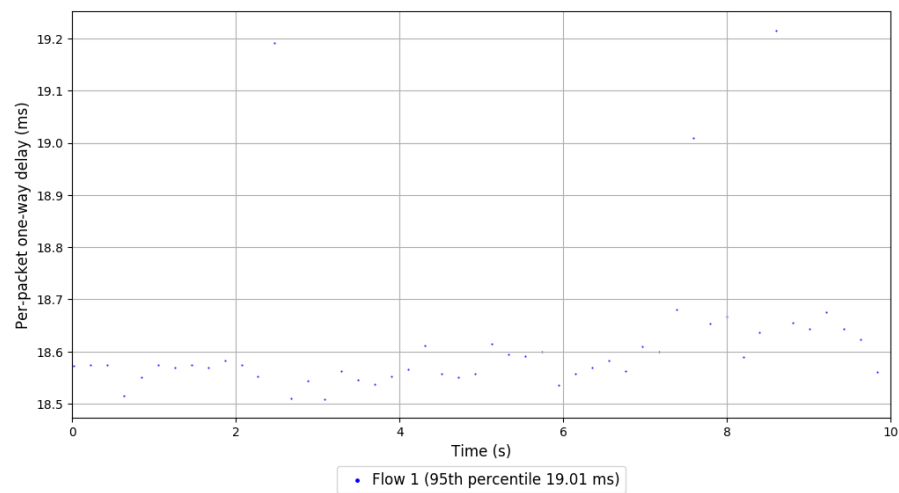
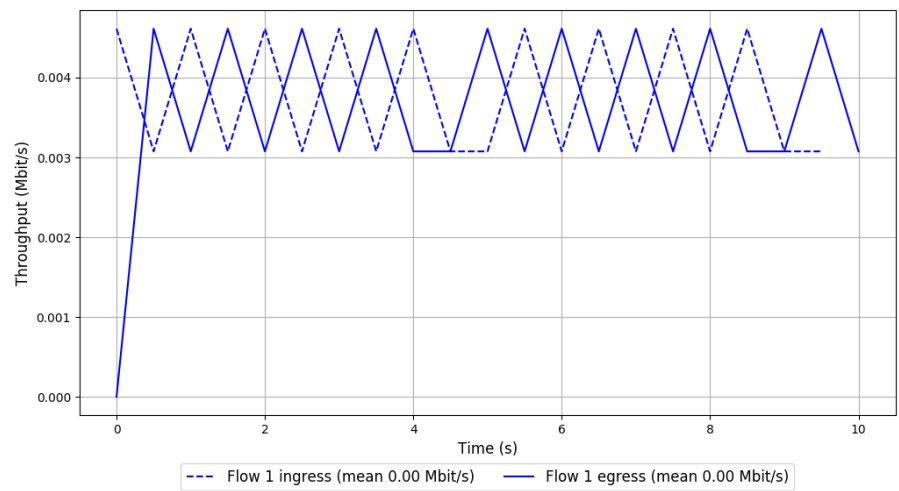
Start at: 2018-06-30 07:03:44

End at: 2018-06-30 07:04:14

Local clock offset: -0.367 ms

Remote clock offset: 10.33 ms

Run 2: Report of FillP-Sheep — Data Link



Run 3: Statistics of FillP-Sheep

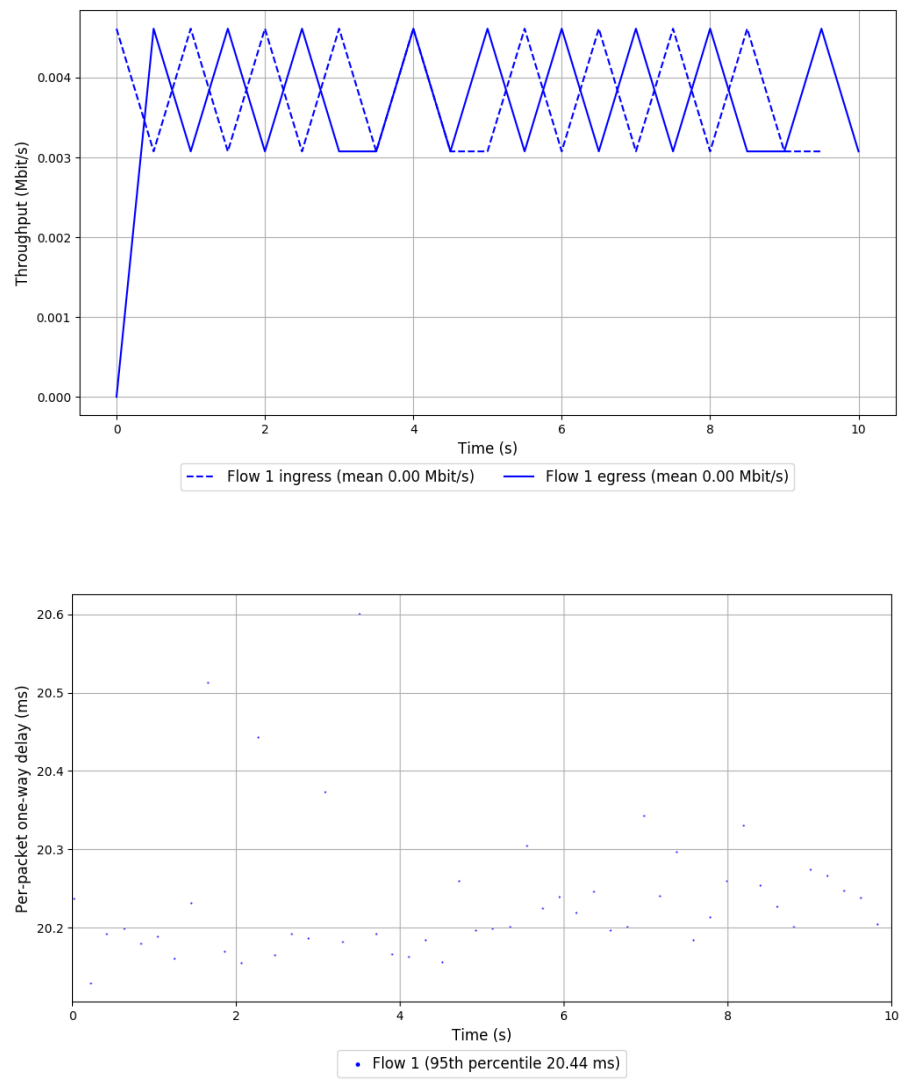
Start at: 2018-06-30 07:24:10

End at: 2018-06-30 07:24:40

Local clock offset: 1.586 ms

Remote clock offset: 20.542 ms

Run 3: Report of FillP-Sheep — Data Link



Run 4: Statistics of FillP-Sheep

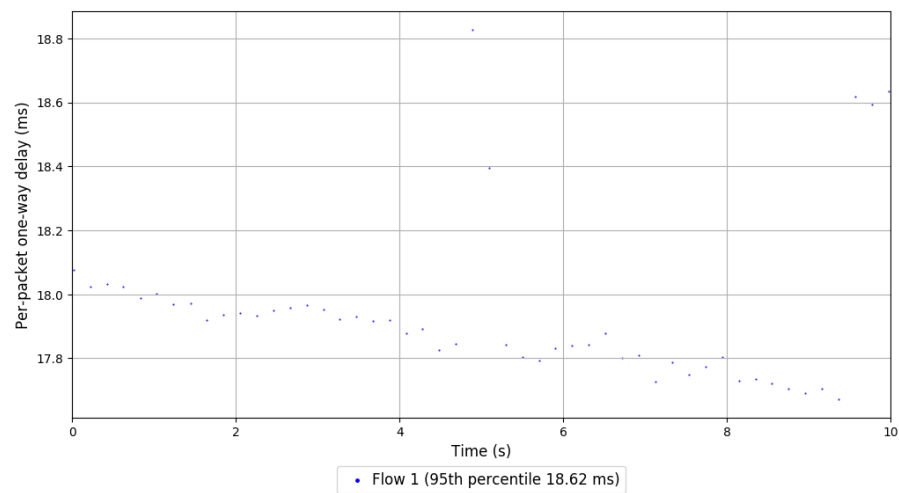
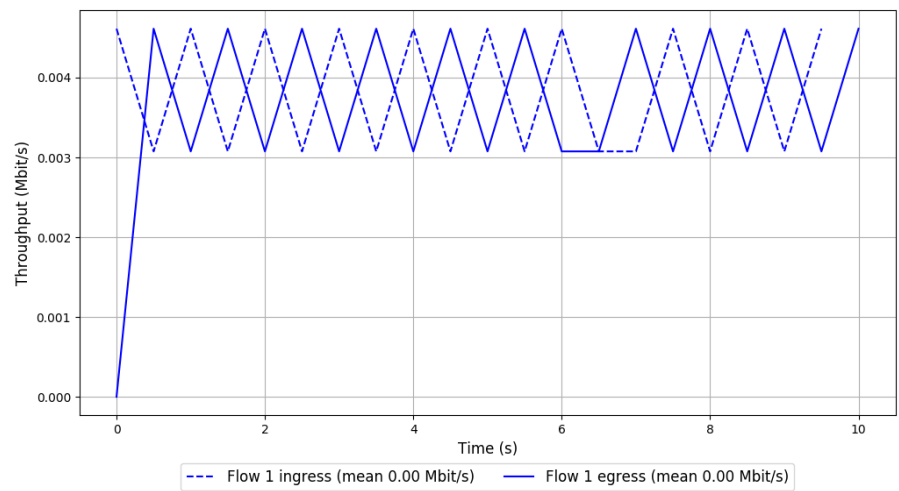
Start at: 2018-06-30 07:44:29

End at: 2018-06-30 07:44:59

Local clock offset: 0.09 ms

Remote clock offset: 10.69 ms

Run 4: Report of FillP-Sheep — Data Link



Run 5: Statistics of FillP-Sheep

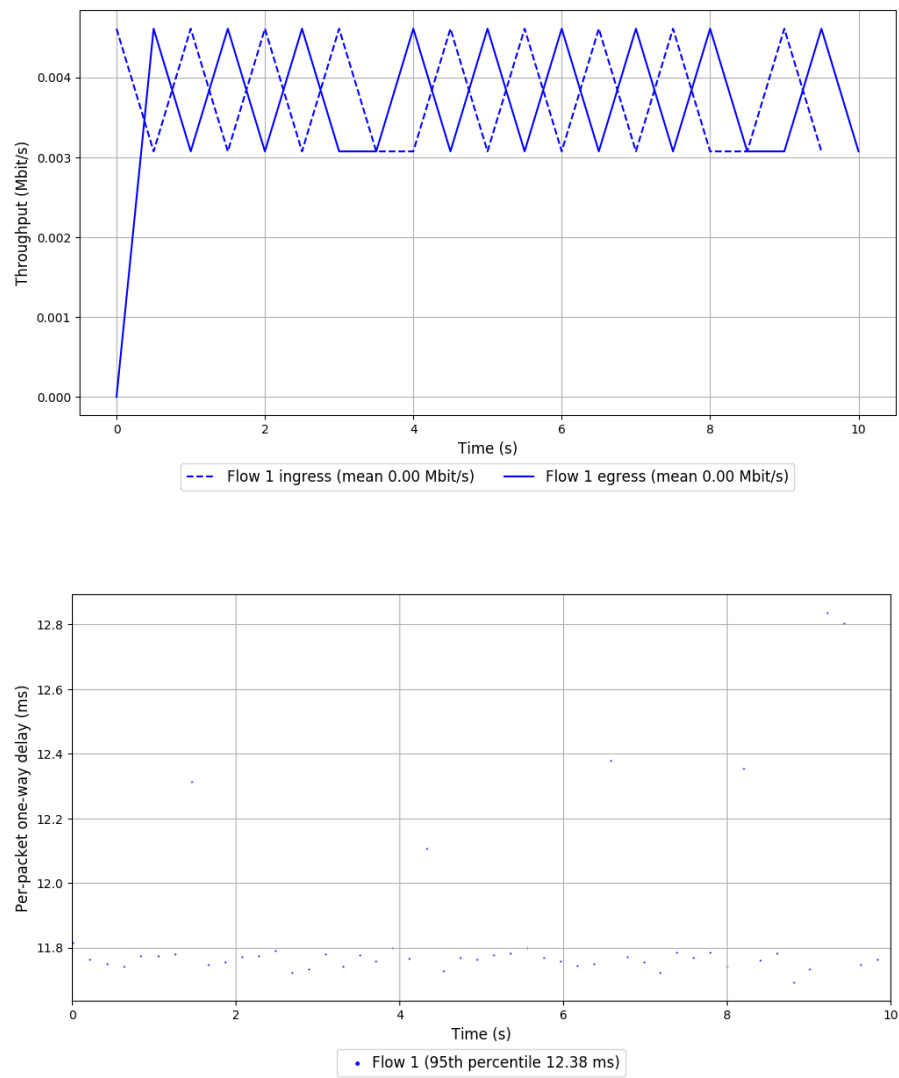
Start at: 2018-06-30 08:04:31

End at: 2018-06-30 08:05:01

Local clock offset: -5.305 ms

Remote clock offset: -7.015 ms

Run 5: Report of FillP-Sheep — Data Link



Run 6: Statistics of FillP-Sheep

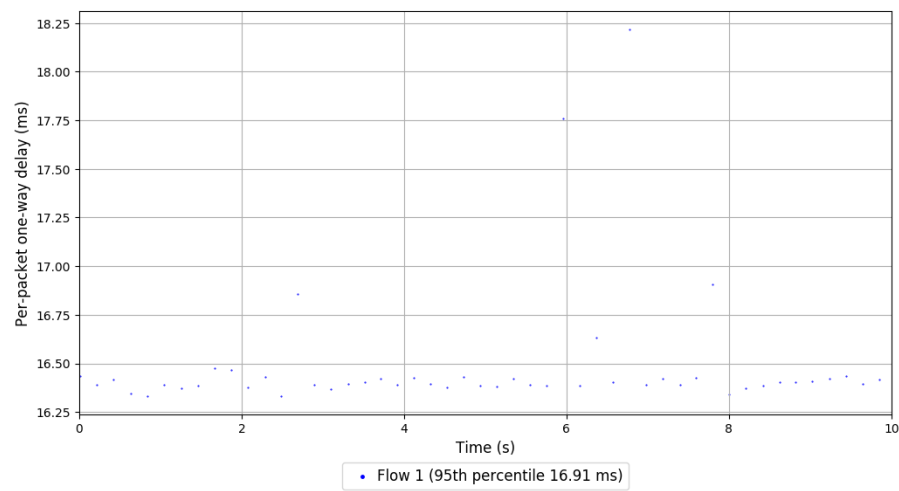
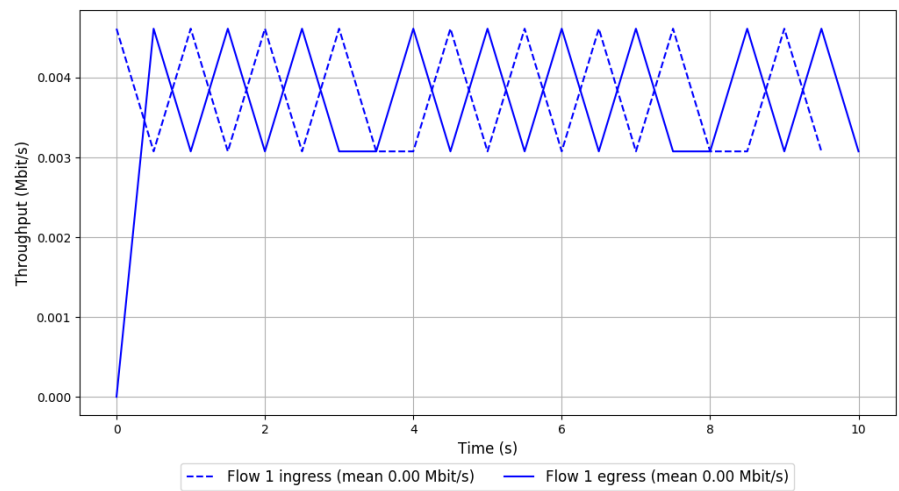
Start at: 2018-06-30 08:24:44

End at: 2018-06-30 08:25:14

Local clock offset: -0.071 ms

Remote clock offset: -3.002 ms

Run 6: Report of FillP-Sheep — Data Link



Run 7: Statistics of FillP-Sheep

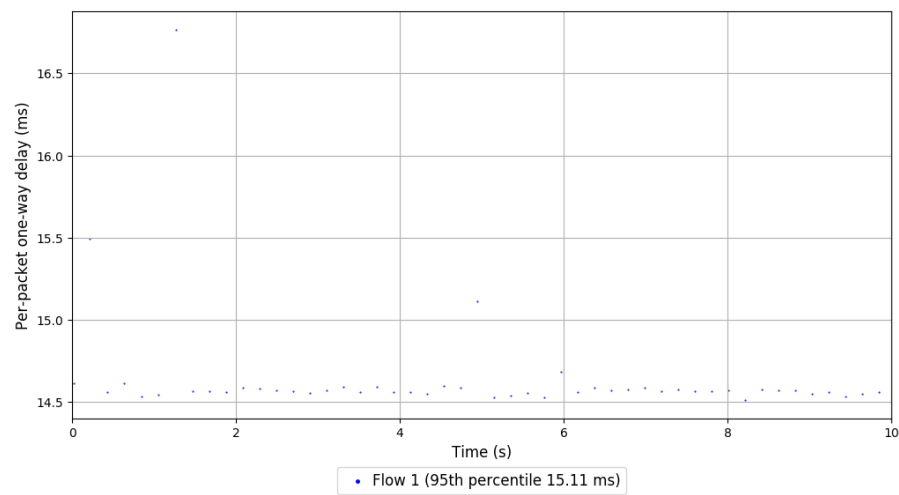
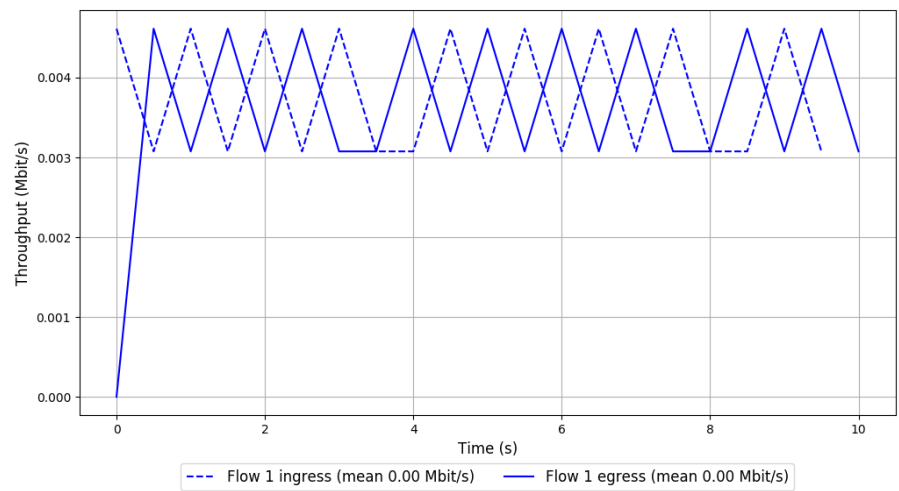
Start at: 2018-06-30 08:44:30

End at: 2018-06-30 08:45:00

Local clock offset: -0.058 ms

Remote clock offset: 0.11 ms

Run 7: Report of FillP-Sheep — Data Link



Run 8: Statistics of FillP-Sheep

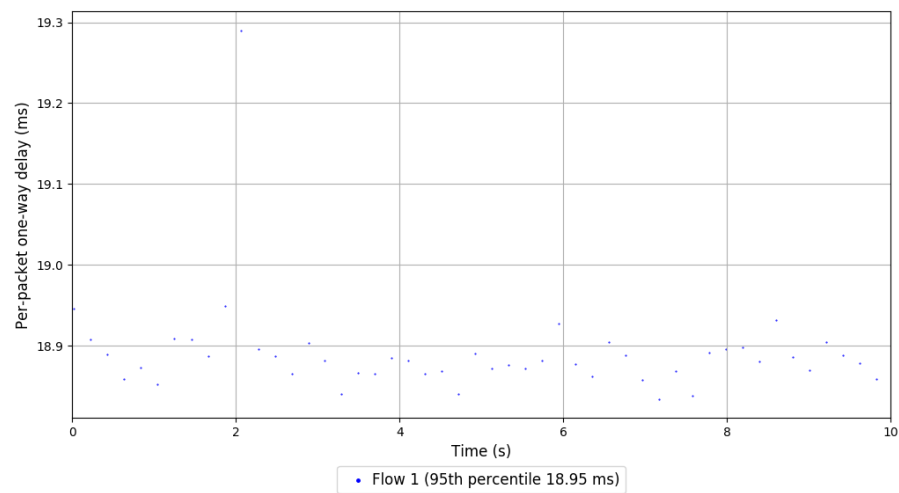
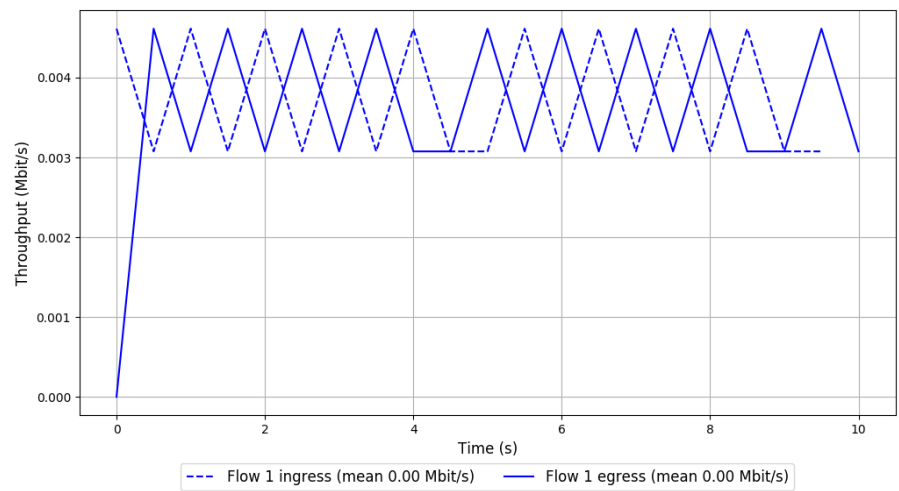
Start at: 2018-06-30 09:04:10

End at: 2018-06-30 09:04:40

Local clock offset: 4.429 ms

Remote clock offset: -0.044 ms

Run 8: Report of FillP-Sheep — Data Link



Run 9: Statistics of FillP-Sheep

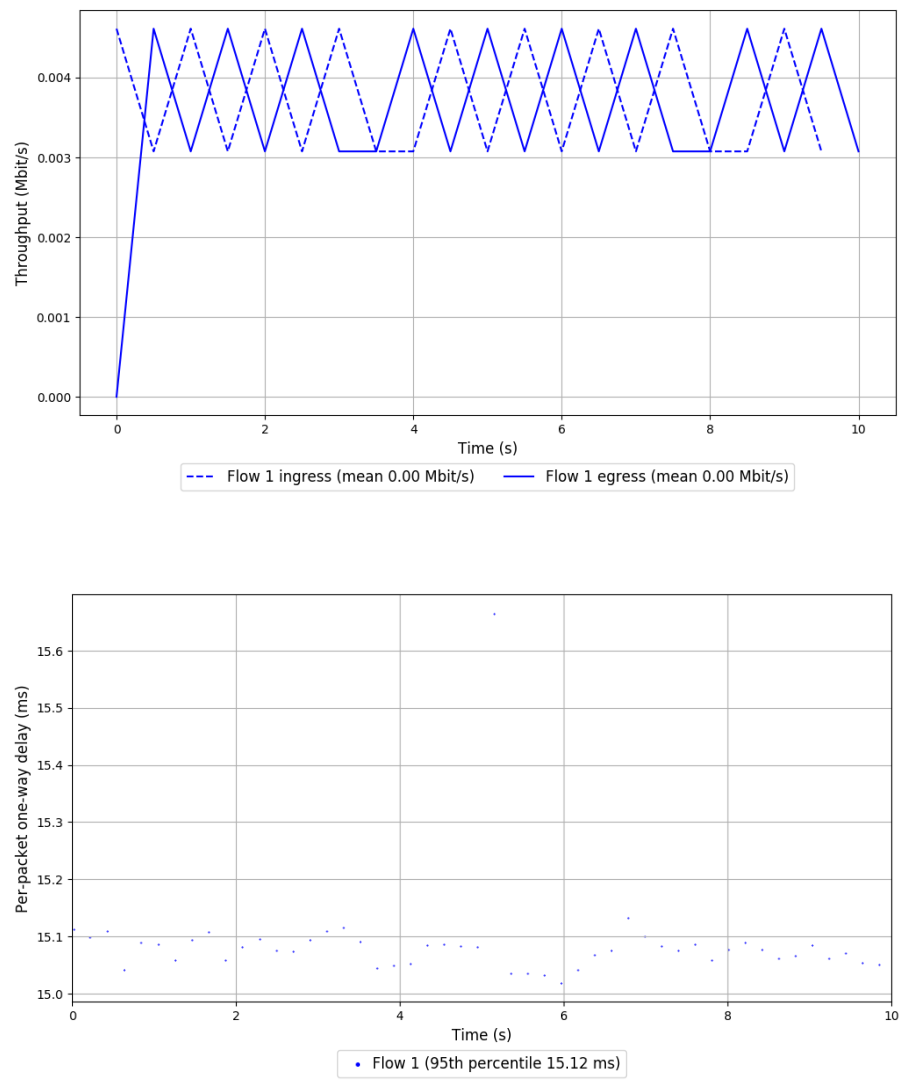
Start at: 2018-06-30 09:23:53

End at: 2018-06-30 09:24:23

Local clock offset: -1.667 ms

Remote clock offset: -1.497 ms

Run 9: Report of FillP-Sheep — Data Link



Run 10: Statistics of FillP-Sheep

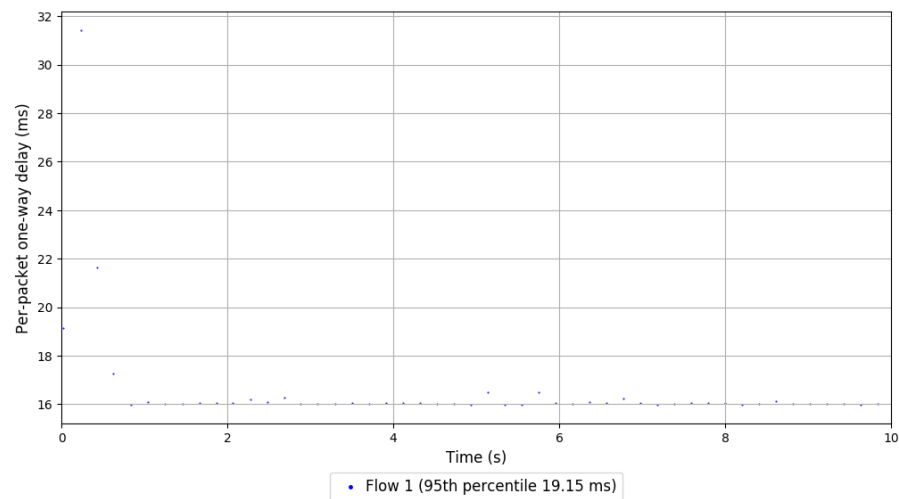
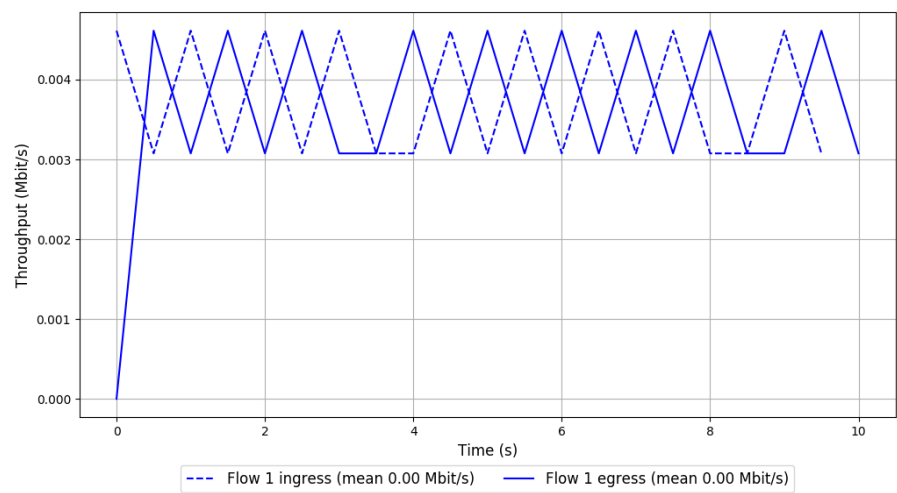
Start at: 2018-06-30 09:43:34

End at: 2018-06-30 09:44:04

Local clock offset: -2.15 ms

Remote clock offset: -3.57 ms

Run 10: Report of FillP-Sheep — Data Link



Run 1: Statistics of Indigo

Start at: 2018-06-30 06:44:07

End at: 2018-06-30 06:44:37

Local clock offset: -1.55 ms

Remote clock offset: -6.873 ms

Below is generated by plot.py at 2018-06-30 10:02:04

Datalink statistics

-- Total of 1 flow:

Average throughput: 77.64 Mbit/s

95th percentile per-packet one-way delay: 21.815 ms

Loss rate: 0.08%

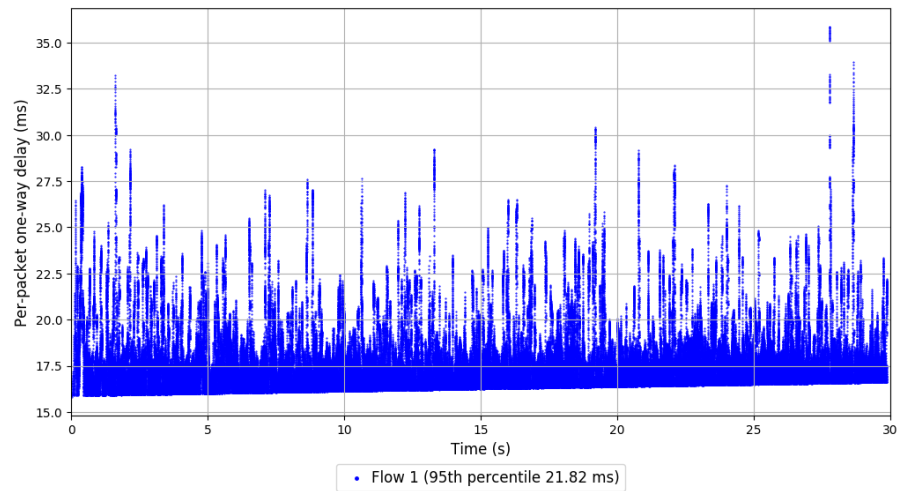
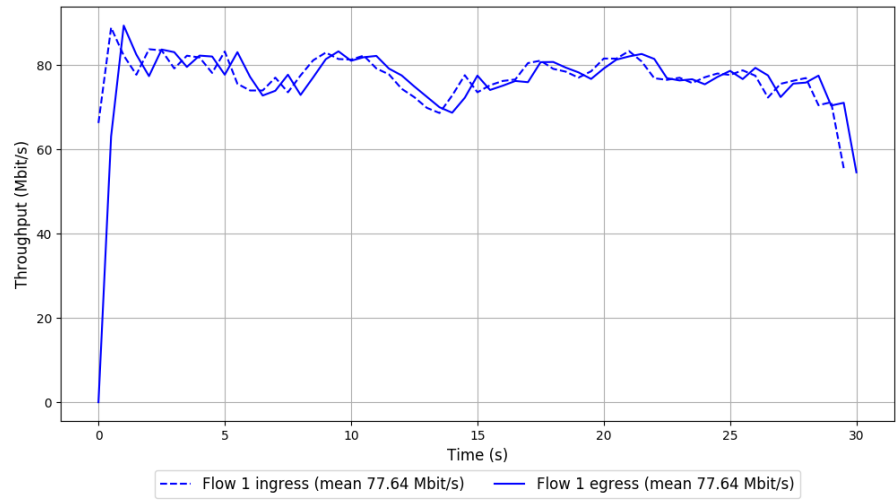
-- Flow 1:

Average throughput: 77.64 Mbit/s

95th percentile per-packet one-way delay: 21.815 ms

Loss rate: 0.08%

Run 1: Report of Indigo — Data Link



Run 2: Statistics of Indigo

Start at: 2018-06-30 07:04:48

End at: 2018-06-30 07:05:18

Local clock offset: -2.135 ms

Remote clock offset: 11.08 ms

Below is generated by plot.py at 2018-06-30 10:02:04

Datalink statistics

-- Total of 1 flow:

Average throughput: 75.09 Mbit/s

95th percentile per-packet one-way delay: 21.531 ms

Loss rate: 0.09%

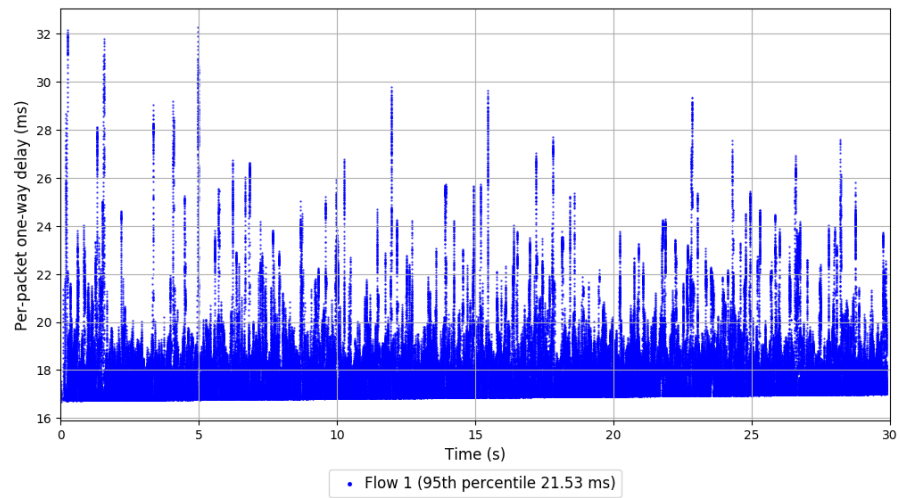
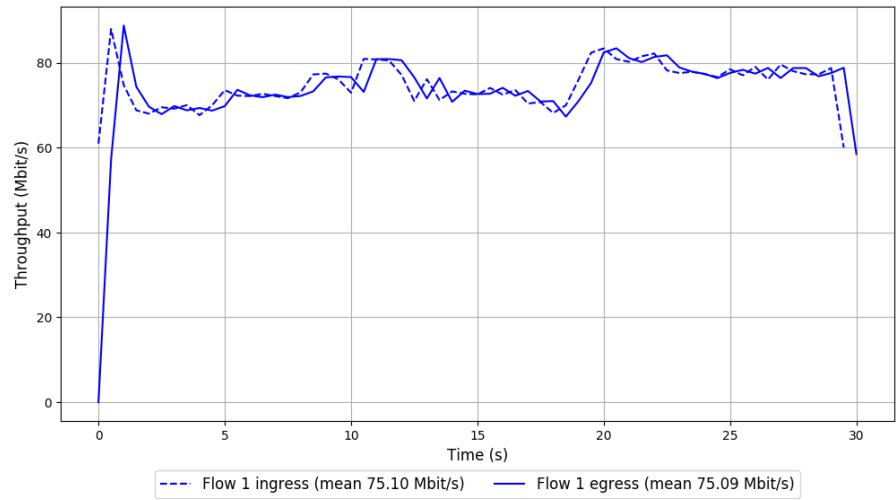
-- Flow 1:

Average throughput: 75.09 Mbit/s

95th percentile per-packet one-way delay: 21.531 ms

Loss rate: 0.09%

Run 2: Report of Indigo — Data Link

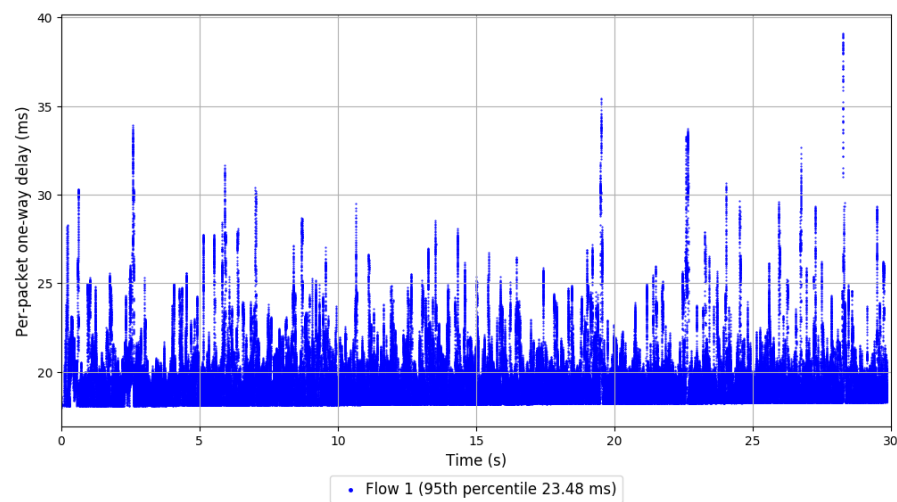
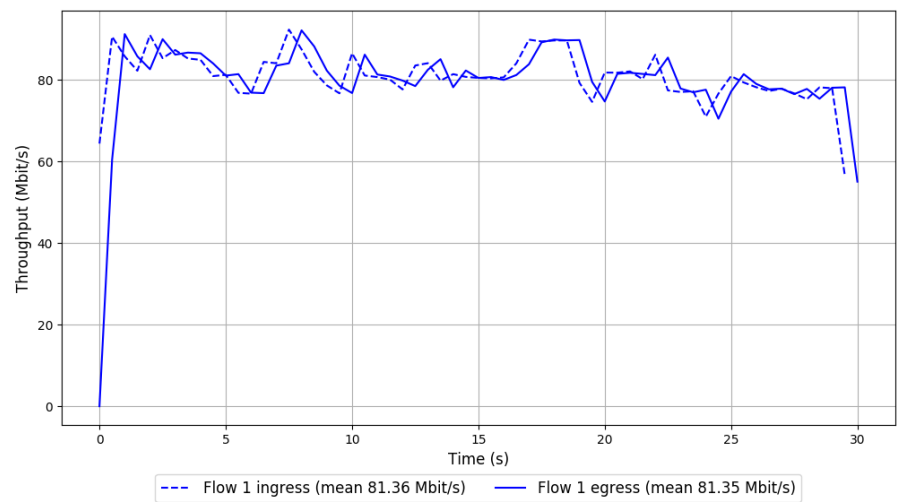


Run 3: Statistics of Indigo

Start at: 2018-06-30 07:25:15
End at: 2018-06-30 07:25:45
Local clock offset: 0.37 ms
Remote clock offset: 22.015 ms

Below is generated by plot.py at 2018-06-30 10:02:13
Datalink statistics
-- Total of 1 flow:
Average throughput: 81.35 Mbit/s
95th percentile per-packet one-way delay: 23.482 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 81.35 Mbit/s
95th percentile per-packet one-way delay: 23.482 ms
Loss rate: 0.09%

Run 3: Report of Indigo — Data Link



Run 4: Statistics of Indigo

Start at: 2018-06-30 07:45:33

End at: 2018-06-30 07:46:03

Local clock offset: 0.278 ms

Remote clock offset: 8.34 ms

Below is generated by plot.py at 2018-06-30 10:02:16

Datalink statistics

-- Total of 1 flow:

Average throughput: 85.49 Mbit/s

95th percentile per-packet one-way delay: 21.985 ms

Loss rate: 0.09%

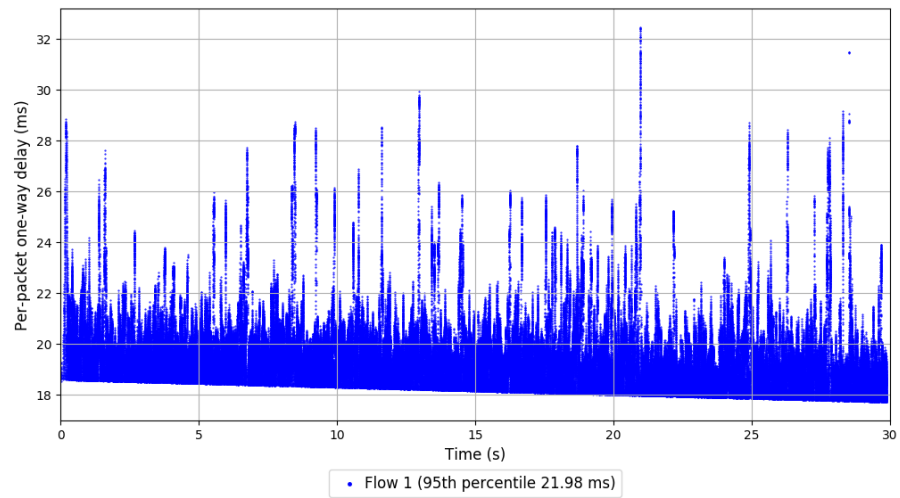
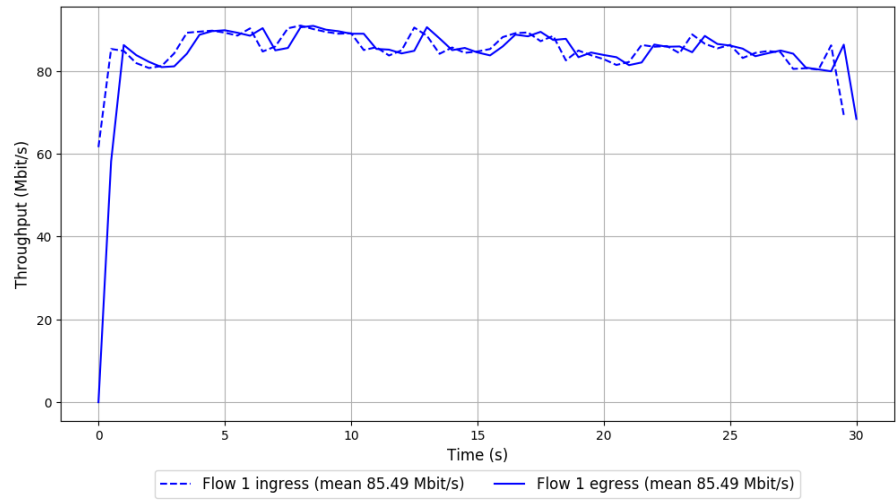
-- Flow 1:

Average throughput: 85.49 Mbit/s

95th percentile per-packet one-way delay: 21.985 ms

Loss rate: 0.09%

Run 4: Report of Indigo — Data Link

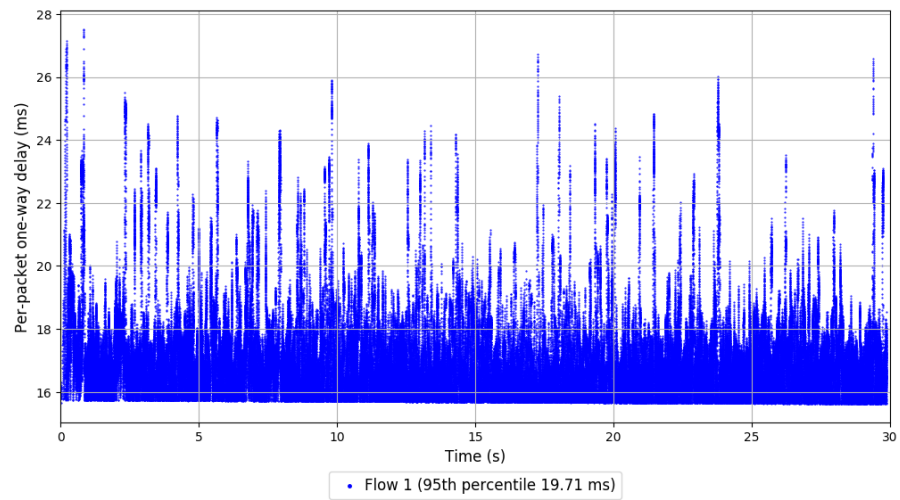
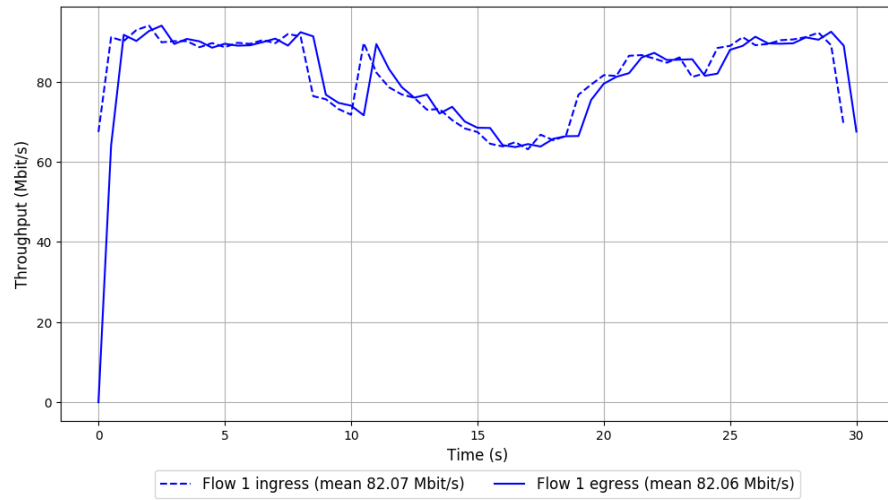


Run 5: Statistics of Indigo

Start at: 2018-06-30 08:05:35
End at: 2018-06-30 08:06:05
Local clock offset: -1.298 ms
Remote clock offset: -7.152 ms

Below is generated by plot.py at 2018-06-30 10:02:21
Datalink statistics
-- Total of 1 flow:
Average throughput: 82.06 Mbit/s
95th percentile per-packet one-way delay: 19.706 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 82.06 Mbit/s
95th percentile per-packet one-way delay: 19.706 ms
Loss rate: 0.10%

Run 5: Report of Indigo — Data Link

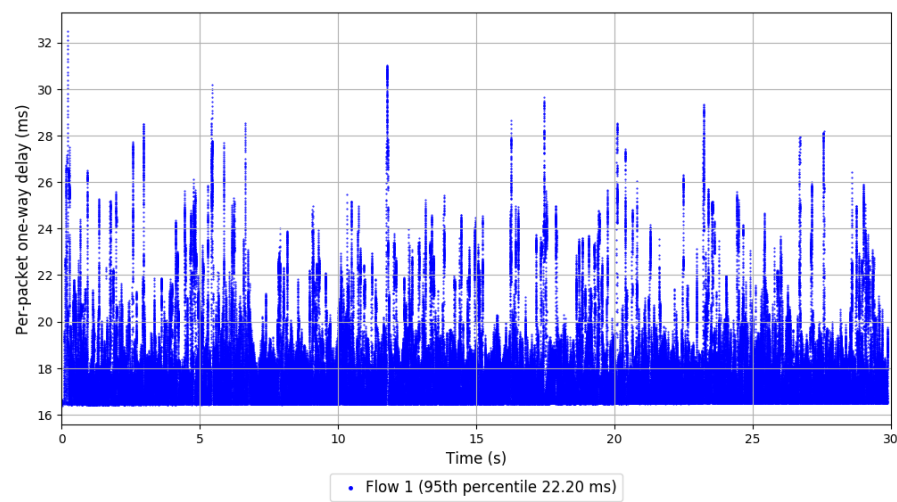
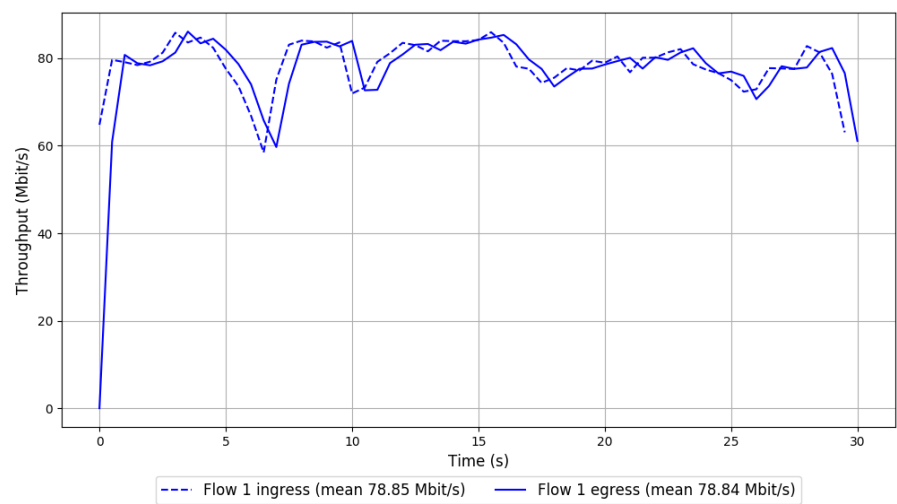


Run 6: Statistics of Indigo

Start at: 2018-06-30 08:25:48
End at: 2018-06-30 08:26:18
Local clock offset: 0.133 ms
Remote clock offset: -2.598 ms

Below is generated by plot.py at 2018-06-30 10:02:22
Datalink statistics
-- Total of 1 flow:
Average throughput: 78.84 Mbit/s
95th percentile per-packet one-way delay: 22.199 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 78.84 Mbit/s
95th percentile per-packet one-way delay: 22.199 ms
Loss rate: 0.10%

Run 6: Report of Indigo — Data Link



Run 7: Statistics of Indigo

Start at: 2018-06-30 08:45:34

End at: 2018-06-30 08:46:04

Local clock offset: 1.565 ms

Remote clock offset: 0.531 ms

Below is generated by plot.py at 2018-06-30 10:02:42

Datalink statistics

-- Total of 1 flow:

Average throughput: 83.05 Mbit/s

95th percentile per-packet one-way delay: 20.436 ms

Loss rate: 0.08%

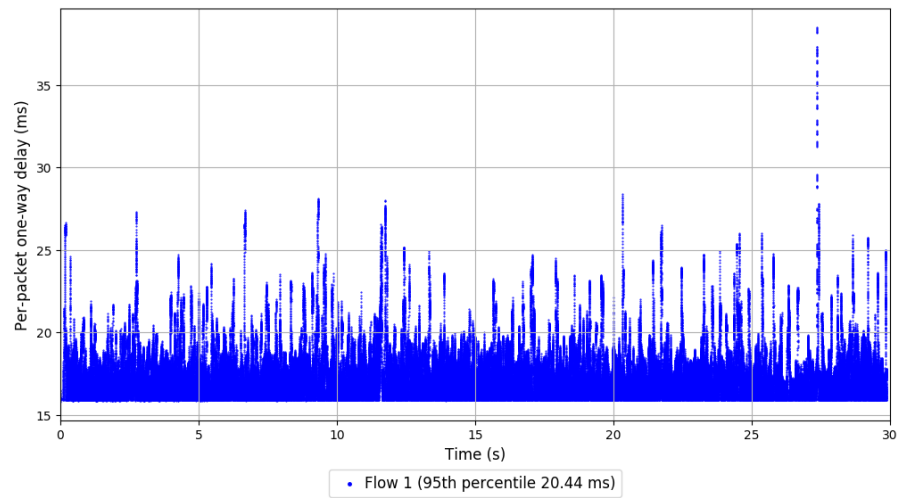
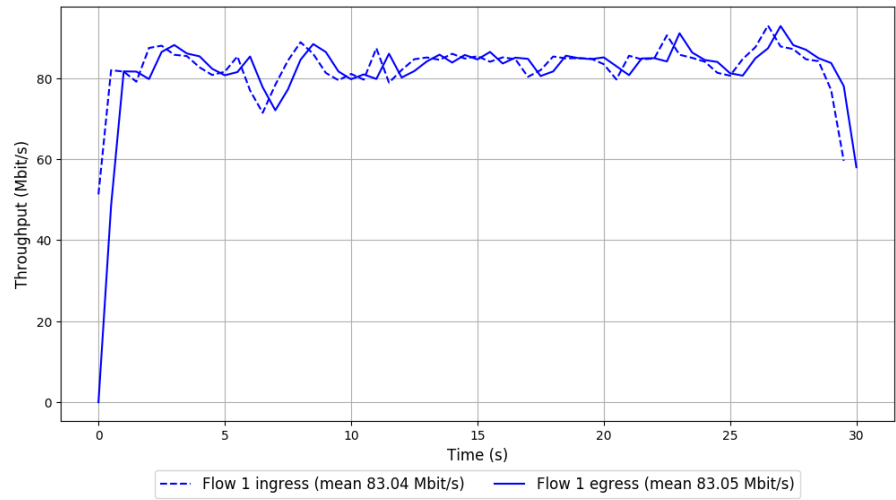
-- Flow 1:

Average throughput: 83.05 Mbit/s

95th percentile per-packet one-way delay: 20.436 ms

Loss rate: 0.08%

Run 7: Report of Indigo — Data Link



Run 8: Statistics of Indigo

Start at: 2018-06-30 09:05:14

End at: 2018-06-30 09:05:44

Local clock offset: 0.942 ms

Remote clock offset: 1.055 ms

Below is generated by plot.py at 2018-06-30 10:02:55

Datalink statistics

-- Total of 1 flow:

Average throughput: 87.45 Mbit/s

95th percentile per-packet one-way delay: 20.389 ms

Loss rate: 0.09%

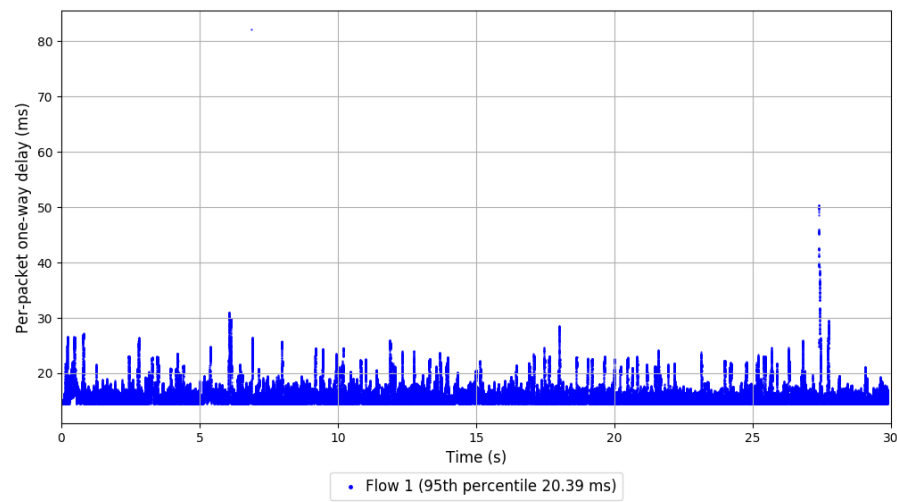
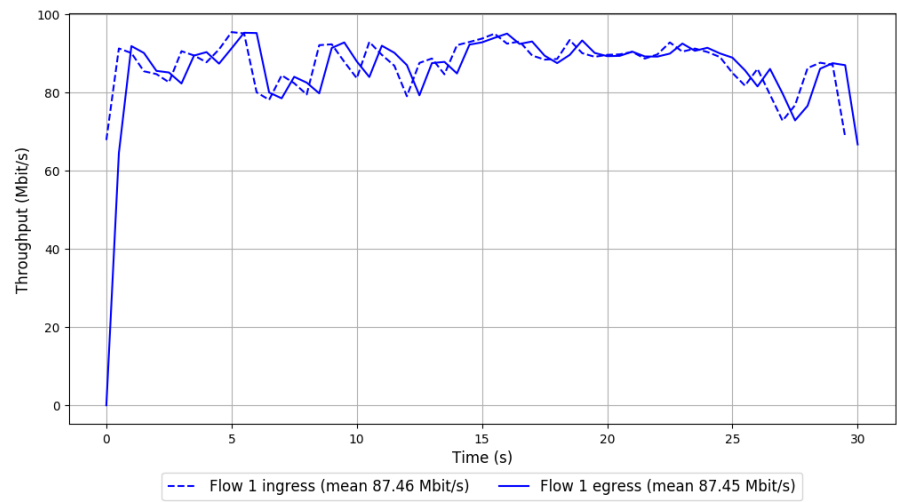
-- Flow 1:

Average throughput: 87.45 Mbit/s

95th percentile per-packet one-way delay: 20.389 ms

Loss rate: 0.09%

Run 8: Report of Indigo — Data Link

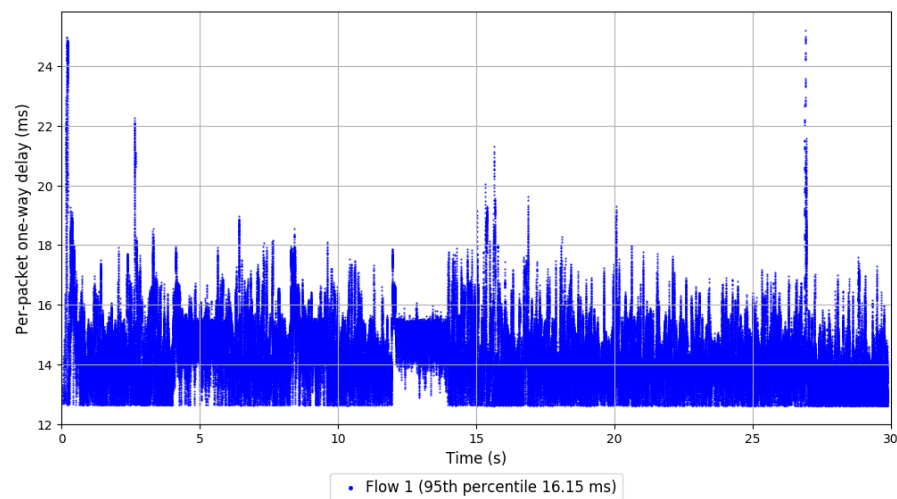
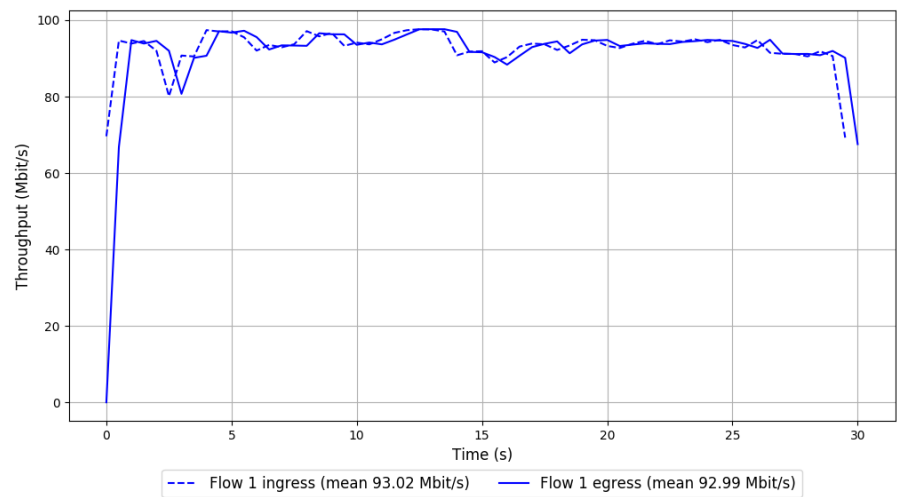


Run 9: Statistics of Indigo

Start at: 2018-06-30 09:24:57
End at: 2018-06-30 09:25:27
Local clock offset: -3.925 ms
Remote clock offset: -1.286 ms

Below is generated by plot.py at 2018-06-30 10:03:12
Datalink statistics
-- Total of 1 flow:
Average throughput: 92.99 Mbit/s
95th percentile per-packet one-way delay: 16.147 ms
Loss rate: 0.11%
-- Flow 1:
Average throughput: 92.99 Mbit/s
95th percentile per-packet one-way delay: 16.147 ms
Loss rate: 0.11%

Run 9: Report of Indigo — Data Link



Run 10: Statistics of Indigo

Start at: 2018-06-30 09:44:38

End at: 2018-06-30 09:45:08

Local clock offset: -4.831 ms

Remote clock offset: -2.843 ms

Below is generated by plot.py at 2018-06-30 10:03:12

Datalink statistics

-- Total of 1 flow:

Average throughput: 86.84 Mbit/s

95th percentile per-packet one-way delay: 16.634 ms

Loss rate: 0.09%

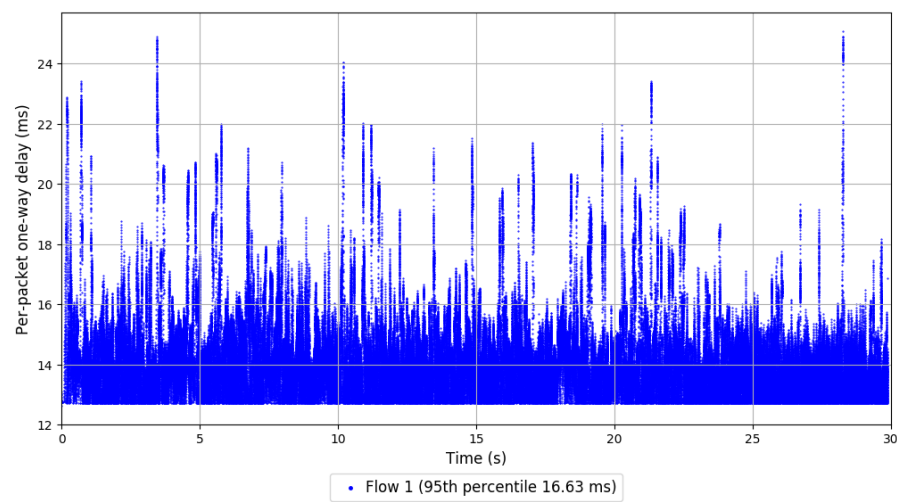
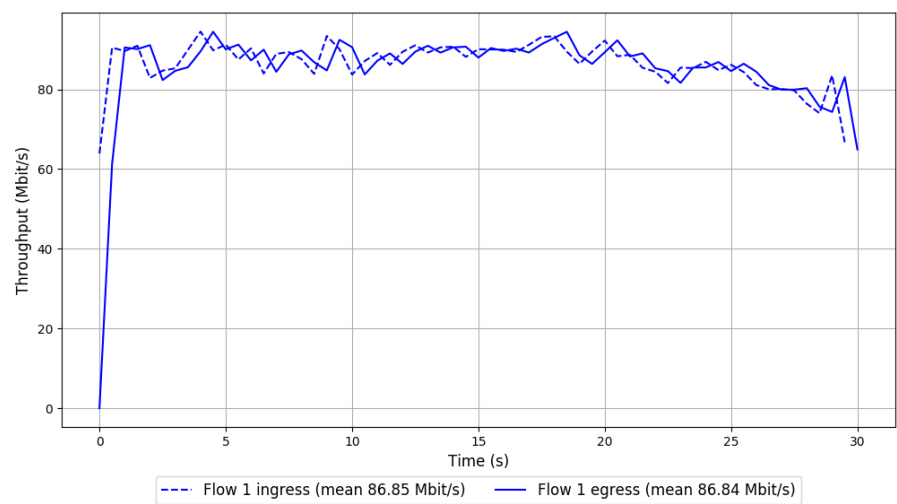
-- Flow 1:

Average throughput: 86.84 Mbit/s

95th percentile per-packet one-way delay: 16.634 ms

Loss rate: 0.09%

Run 10: Report of Indigo — Data Link

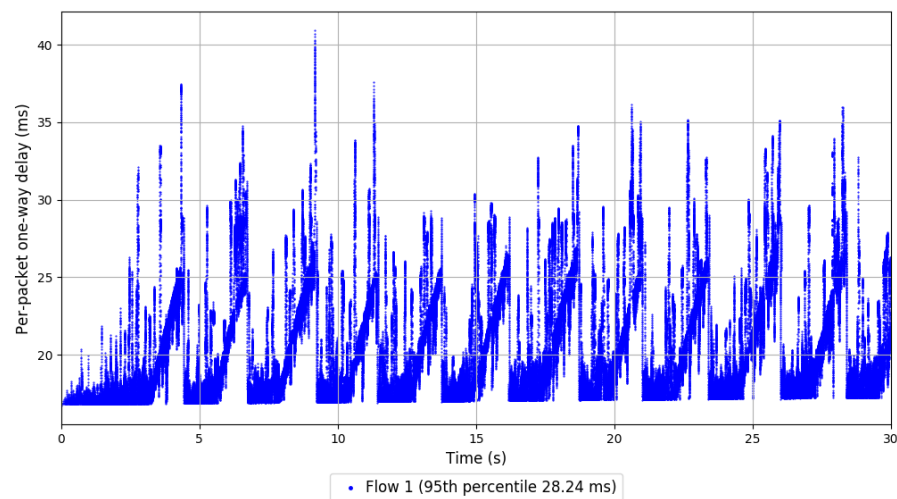
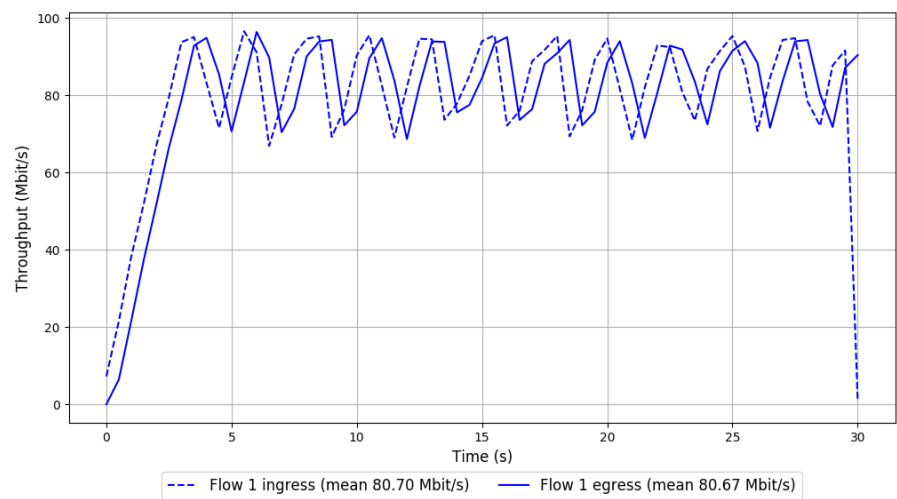


```
Run 1: Statistics of LEDBAT

Start at: 2018-06-30 06:51:22
End at: 2018-06-30 06:51:52
Local clock offset: -1.408 ms
Remote clock offset: 2.331 ms

# Below is generated by plot.py at 2018-06-30 10:03:13
# Datalink statistics
-- Total of 1 flow:
Average throughput: 80.67 Mbit/s
95th percentile per-packet one-way delay: 28.240 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 80.67 Mbit/s
95th percentile per-packet one-way delay: 28.240 ms
Loss rate: 0.13%
```


Run 1: Report of LEDBAT — Data Link

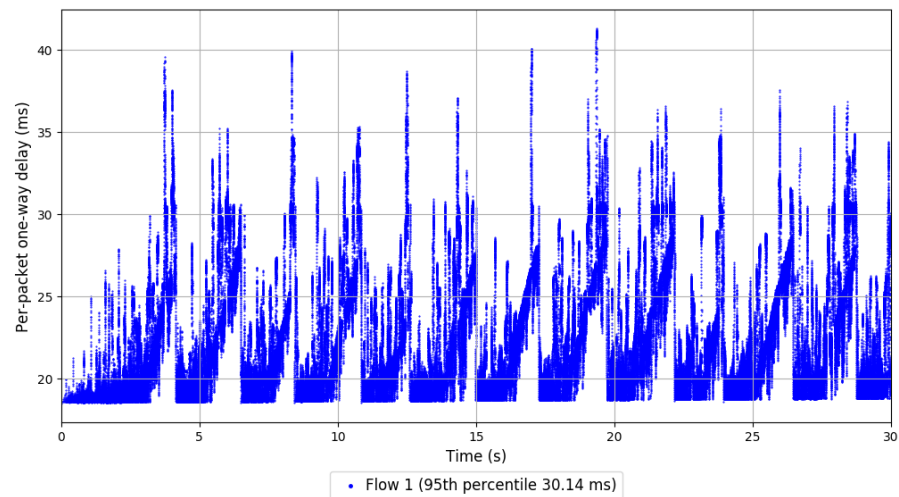
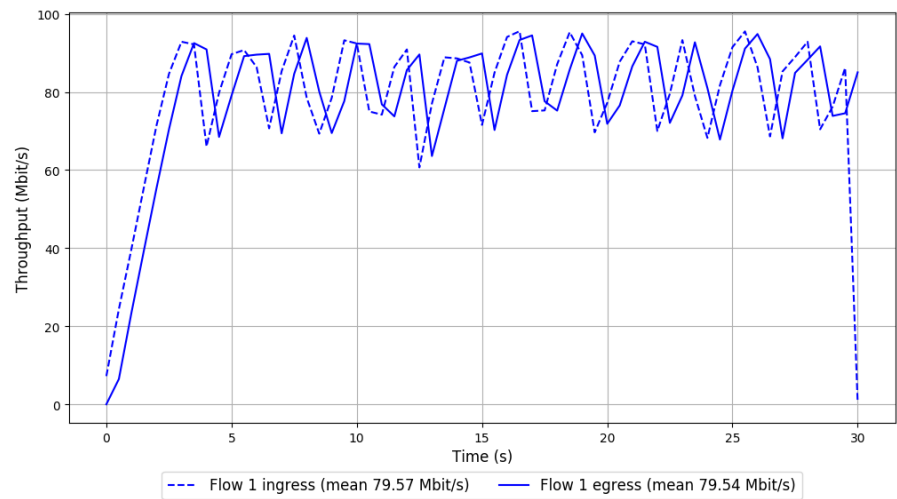


Run 2: Statistics of LEDBAT

Start at: 2018-06-30 07:12:01
End at: 2018-06-30 07:12:31
Local clock offset: 0.435 ms
Remote clock offset: 15.618 ms

Below is generated by plot.py at 2018-06-30 10:03:16
Datalink statistics
-- Total of 1 flow:
Average throughput: 79.54 Mbit/s
95th percentile per-packet one-way delay: 30.141 ms
Loss rate: 0.12%
-- Flow 1:
Average throughput: 79.54 Mbit/s
95th percentile per-packet one-way delay: 30.141 ms
Loss rate: 0.12%

Run 2: Report of LEDBAT — Data Link

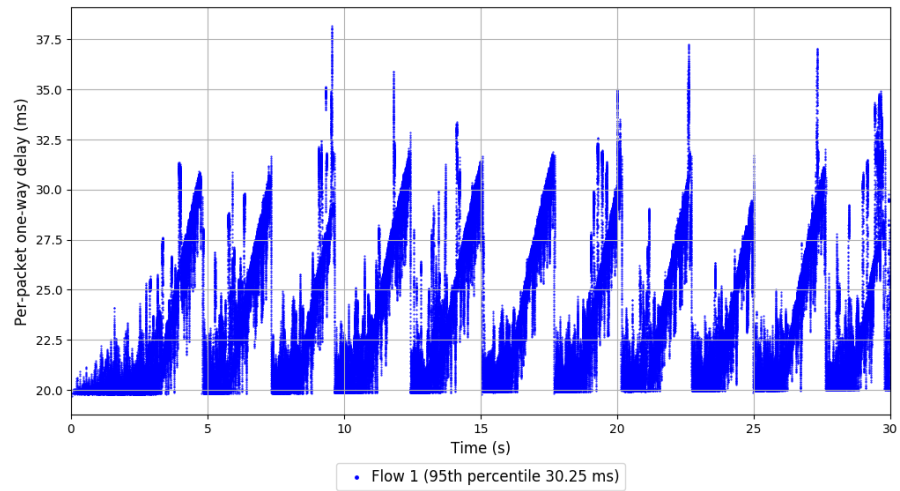
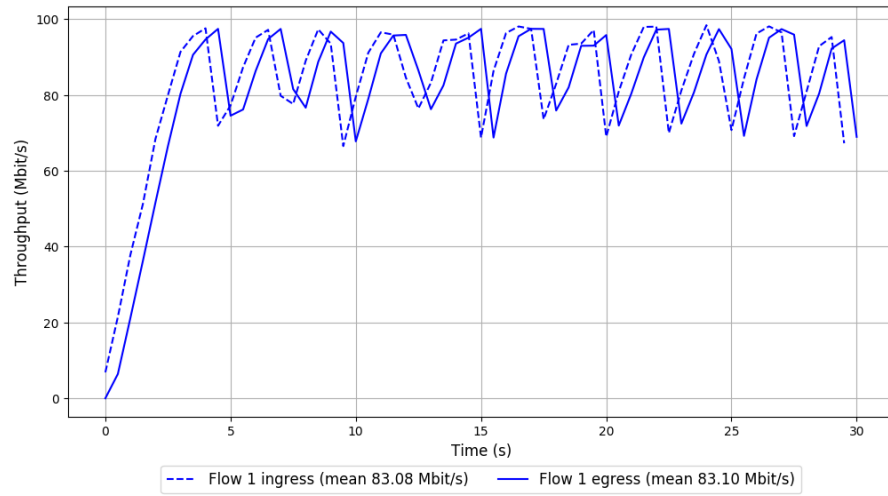


Run 3: Statistics of LEDBAT

Start at: 2018-06-30 07:32:33
End at: 2018-06-30 07:33:03
Local clock offset: 2.215 ms
Remote clock offset: 25.429 ms

Below is generated by plot.py at 2018-06-30 10:03:24
Datalink statistics
-- Total of 1 flow:
Average throughput: 83.10 Mbit/s
95th percentile per-packet one-way delay: 30.252 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 83.10 Mbit/s
95th percentile per-packet one-way delay: 30.252 ms
Loss rate: 0.08%

Run 3: Report of LEDBAT — Data Link

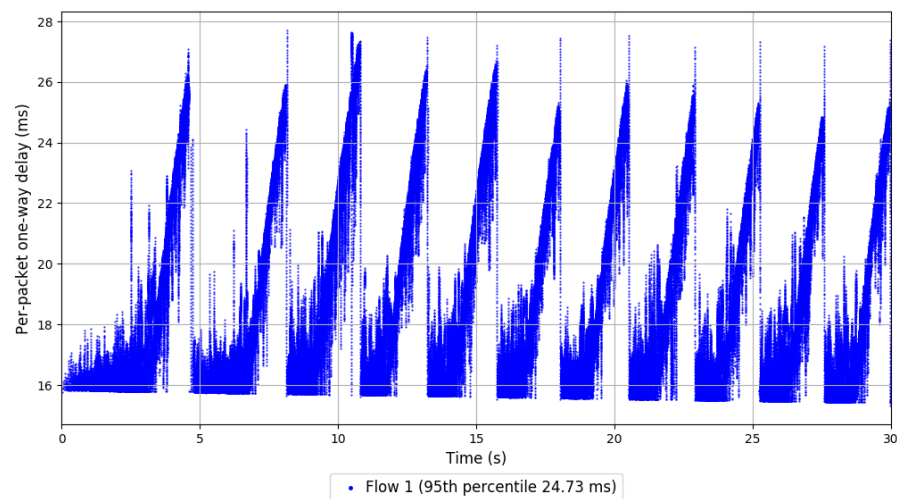
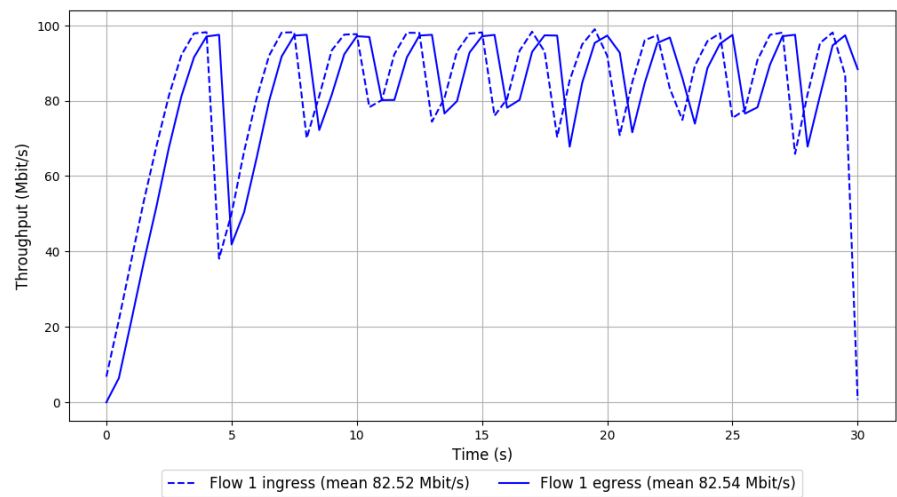


Run 4: Statistics of LEDBAT

Start at: 2018-06-30 07:52:30
End at: 2018-06-30 07:53:00
Local clock offset: -2.592 ms
Remote clock offset: -0.654 ms

Below is generated by plot.py at 2018-06-30 10:03:24
Datalink statistics
-- Total of 1 flow:
Average throughput: 82.54 Mbit/s
95th percentile per-packet one-way delay: 24.730 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 82.54 Mbit/s
95th percentile per-packet one-way delay: 24.730 ms
Loss rate: 0.08%

Run 4: Report of LEDBAT — Data Link

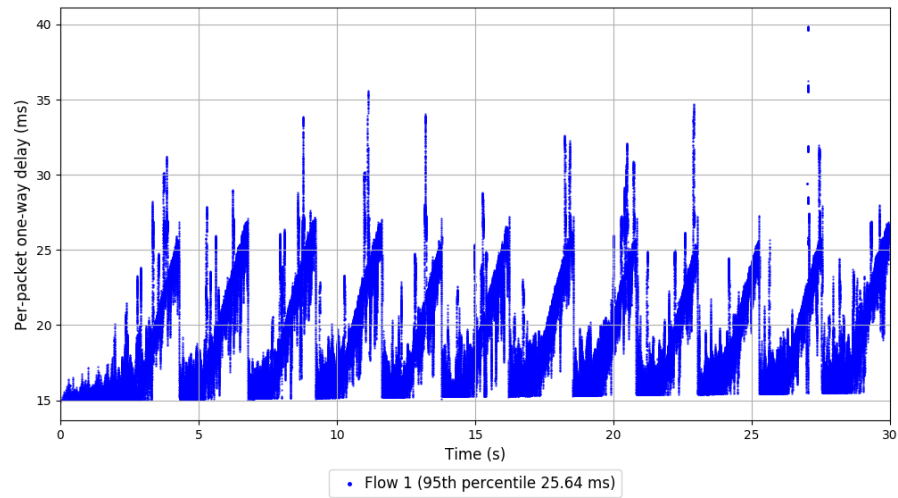
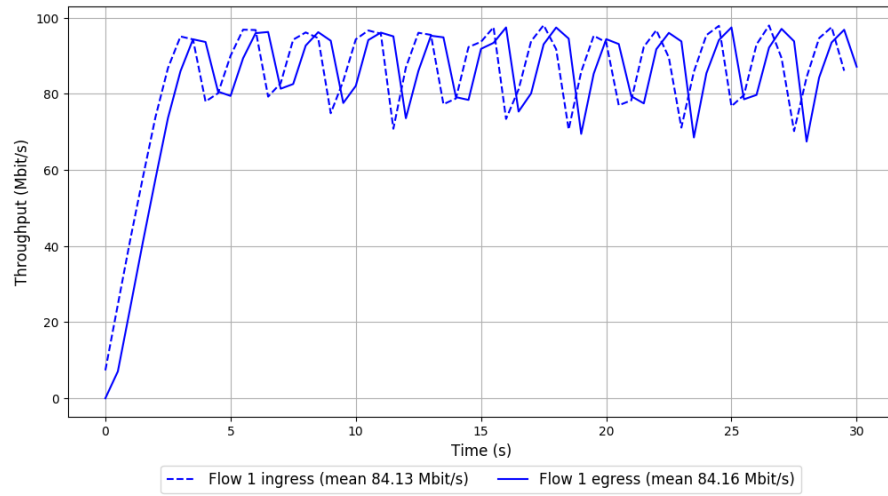


Run 5: Statistics of LEDBAT

Start at: 2018-06-30 08:12:48
End at: 2018-06-30 08:13:18
Local clock offset: -2.616 ms
Remote clock offset: -9.334 ms

Below is generated by plot.py at 2018-06-30 10:03:48
Datalink statistics
-- Total of 1 flow:
Average throughput: 84.16 Mbit/s
95th percentile per-packet one-way delay: 25.641 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 84.16 Mbit/s
95th percentile per-packet one-way delay: 25.641 ms
Loss rate: 0.08%

Run 5: Report of LEDBAT — Data Link

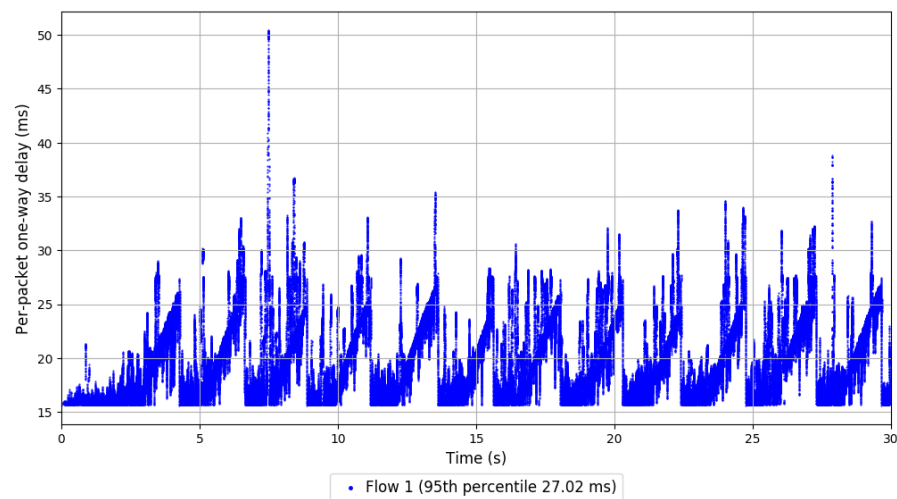
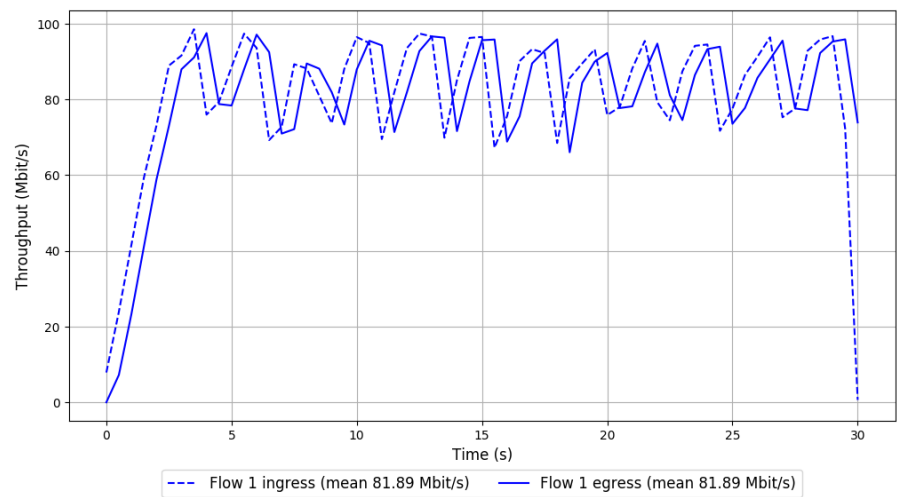


Run 6: Statistics of LEDBAT

Start at: 2018-06-30 08:32:45
End at: 2018-06-30 08:33:15
Local clock offset: 1.033 ms
Remote clock offset: -0.235 ms

Below is generated by plot.py at 2018-06-30 10:03:57
Datalink statistics
-- Total of 1 flow:
Average throughput: 81.89 Mbit/s
95th percentile per-packet one-way delay: 27.020 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 81.89 Mbit/s
95th percentile per-packet one-way delay: 27.020 ms
Loss rate: 0.09%

Run 6: Report of LEDBAT — Data Link

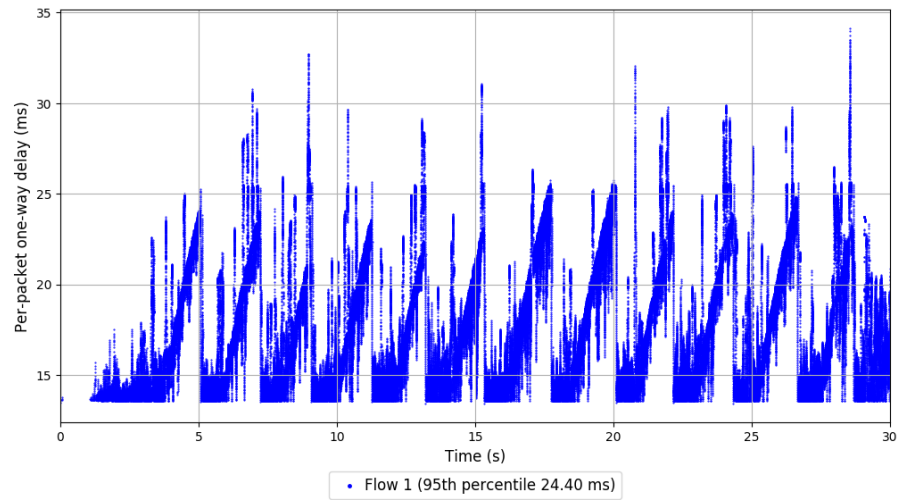
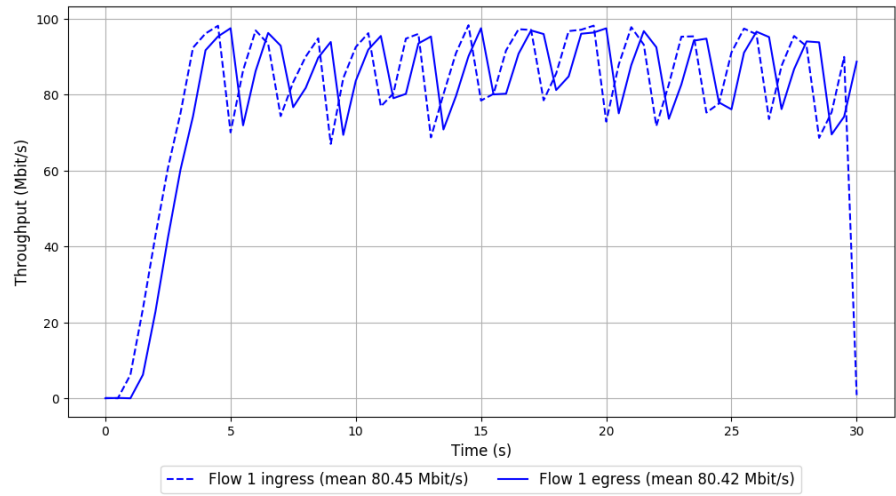


Run 7: Statistics of LEDBAT

Start at: 2018-06-30 08:52:37
End at: 2018-06-30 08:53:07
Local clock offset: -1.661 ms
Remote clock offset: -0.436 ms

Below is generated by plot.py at 2018-06-30 10:04:08
Datalink statistics
-- Total of 1 flow:
Average throughput: 80.42 Mbit/s
95th percentile per-packet one-way delay: 24.400 ms
Loss rate: 0.12%
-- Flow 1:
Average throughput: 80.42 Mbit/s
95th percentile per-packet one-way delay: 24.400 ms
Loss rate: 0.12%

Run 7: Report of LEDBAT — Data Link

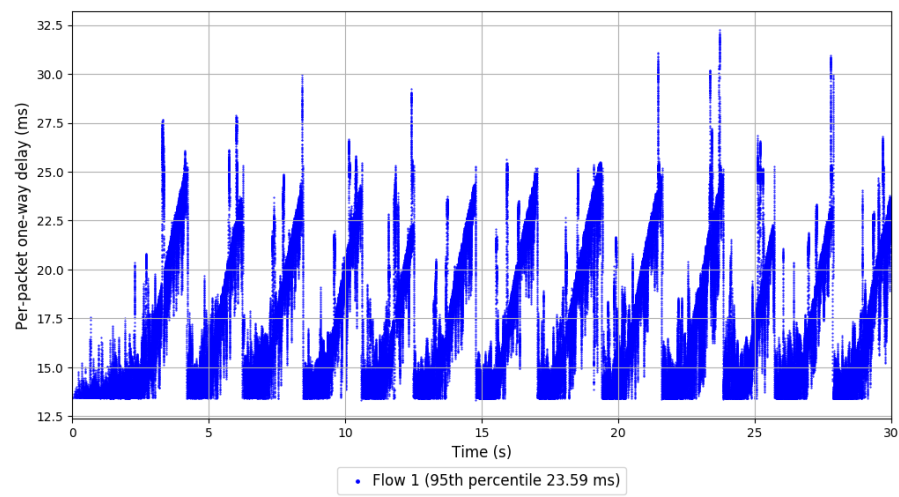
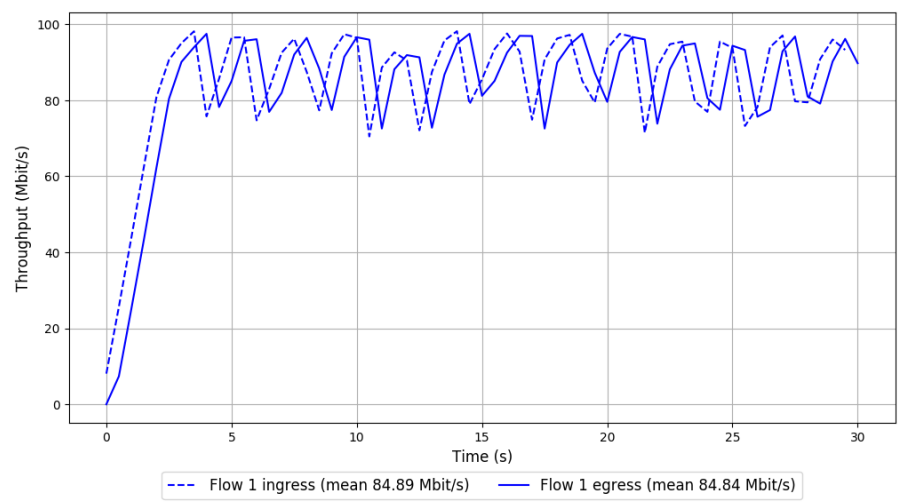


Run 8: Statistics of LEDBAT

Start at: 2018-06-30 09:12:10
End at: 2018-06-30 09:12:40
Local clock offset: -1.581 ms
Remote clock offset: -0.699 ms

Below is generated by plot.py at 2018-06-30 10:04:14
Datalink statistics
-- Total of 1 flow:
Average throughput: 84.84 Mbit/s
95th percentile per-packet one-way delay: 23.594 ms
Loss rate: 0.14%
-- Flow 1:
Average throughput: 84.84 Mbit/s
95th percentile per-packet one-way delay: 23.594 ms
Loss rate: 0.14%

Run 8: Report of LEDBAT — Data Link

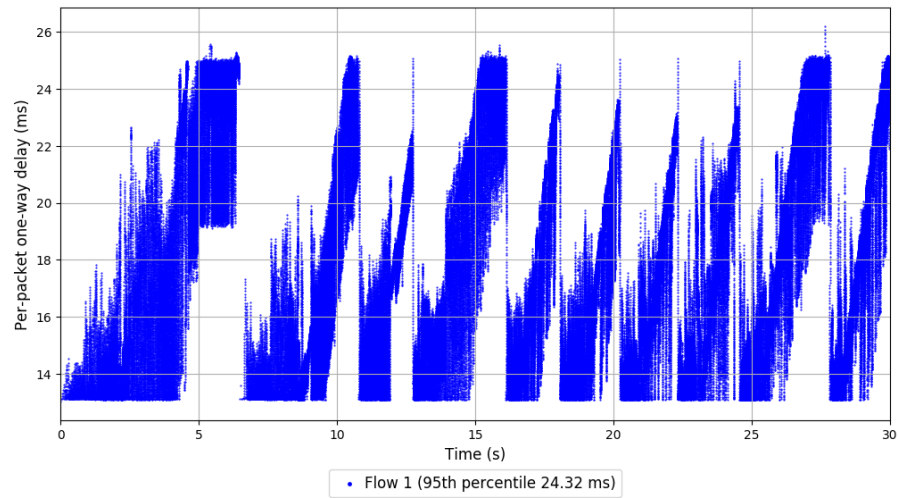
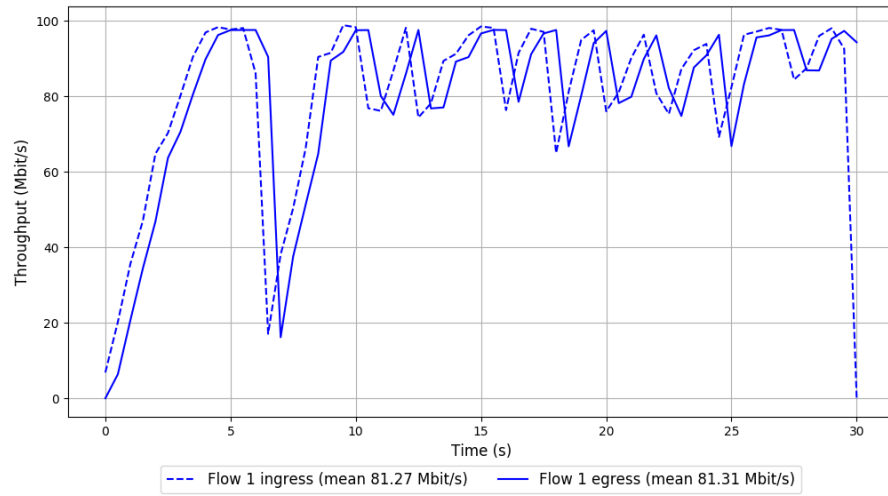


Run 9: Statistics of LEDBAT

Start at: 2018-06-30 09:31:55
End at: 2018-06-30 09:32:25
Local clock offset: -4.391 ms
Remote clock offset: -2.455 ms

Below is generated by plot.py at 2018-06-30 10:04:14
Datalink statistics
-- Total of 1 flow:
Average throughput: 81.31 Mbit/s
95th percentile per-packet one-way delay: 24.325 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 81.31 Mbit/s
95th percentile per-packet one-way delay: 24.325 ms
Loss rate: 0.07%

Run 9: Report of LEDBAT — Data Link

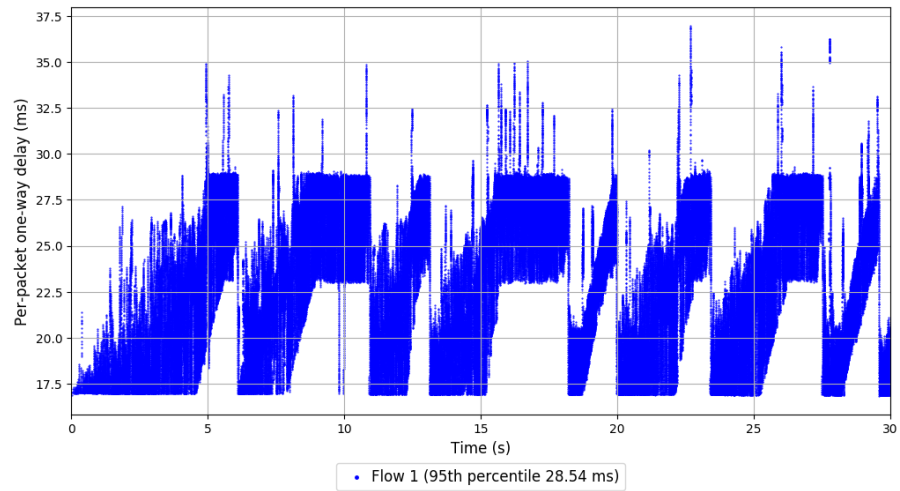
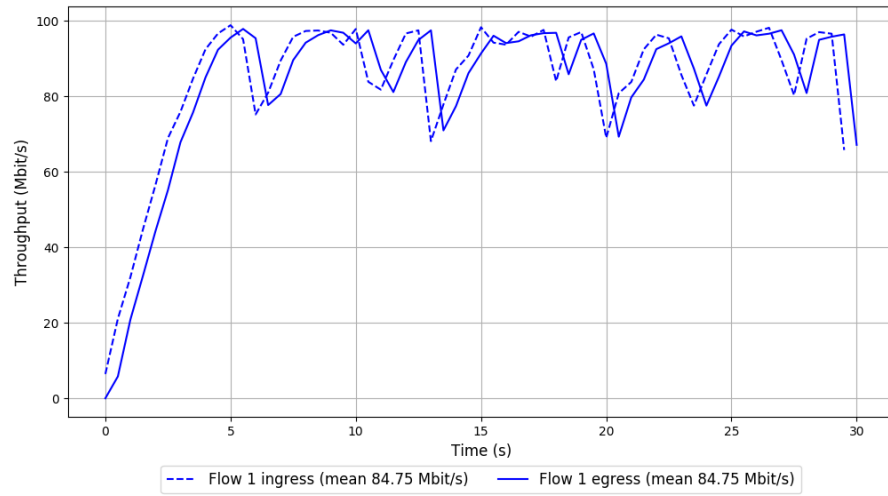


Run 10: Statistics of LEDBAT

Start at: 2018-06-30 09:51:46
End at: 2018-06-30 09:52:16
Local clock offset: -0.903 ms
Remote clock offset: -4.895 ms

Below is generated by plot.py at 2018-06-30 10:04:19
Datalink statistics
-- Total of 1 flow:
Average throughput: 84.75 Mbit/s
95th percentile per-packet one-way delay: 28.538 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 84.75 Mbit/s
95th percentile per-packet one-way delay: 28.538 ms
Loss rate: 0.08%

Run 10: Report of LEDBAT — Data Link



Run 1: Statistics of PCC-Allegro

Start at: 2018-06-30 06:33:19

End at: 2018-06-30 06:33:49

Local clock offset: 1.234 ms

Remote clock offset: -34.274 ms

Below is generated by plot.py at 2018-06-30 10:04:19

Datalink statistics

-- Total of 1 flow:

Average throughput: 62.91 Mbit/s

95th percentile per-packet one-way delay: 21.783 ms

Loss rate: 0.10%

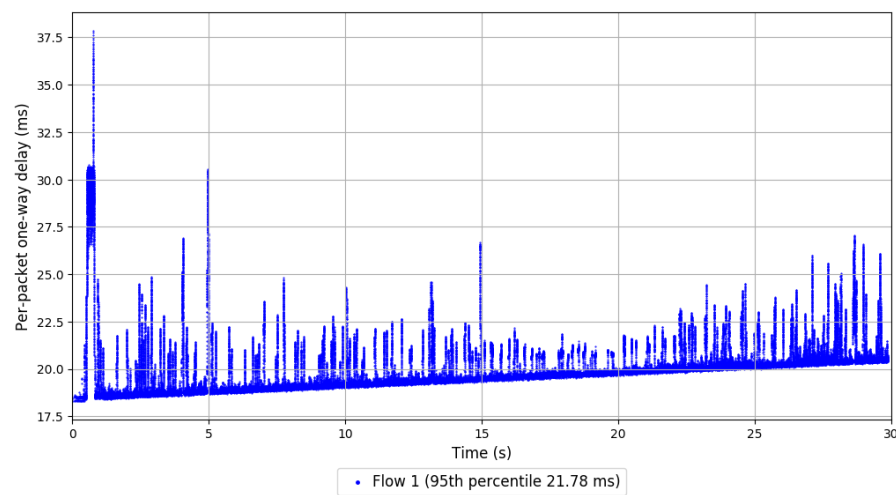
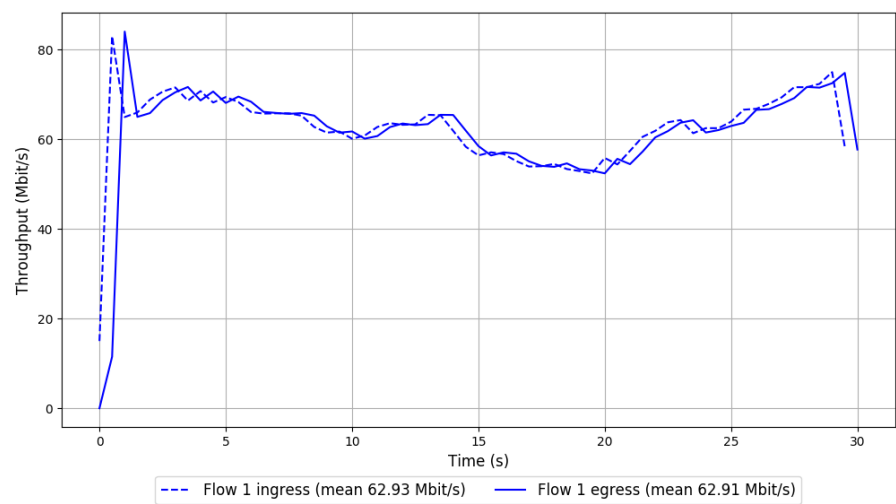
-- Flow 1:

Average throughput: 62.91 Mbit/s

95th percentile per-packet one-way delay: 21.783 ms

Loss rate: 0.10%

Run 1: Report of PCC-Allegro — Data Link



Run 2: Statistics of PCC-Allegro

Start at: 2018-06-30 06:53:55

End at: 2018-06-30 06:54:25

Local clock offset: -2.713 ms

Remote clock offset: 4.135 ms

Below is generated by plot.py at 2018-06-30 10:04:25

Datalink statistics

-- Total of 1 flow:

Average throughput: 75.77 Mbit/s

95th percentile per-packet one-way delay: 27.387 ms

Loss rate: 0.13%

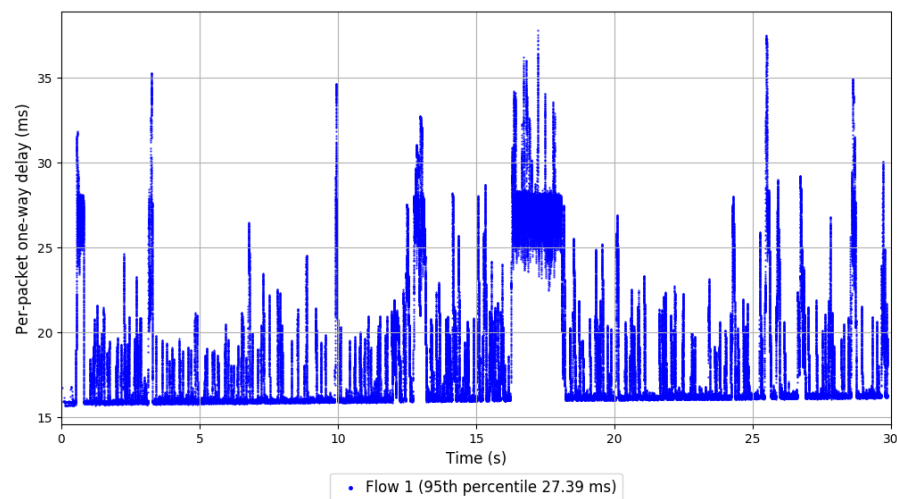
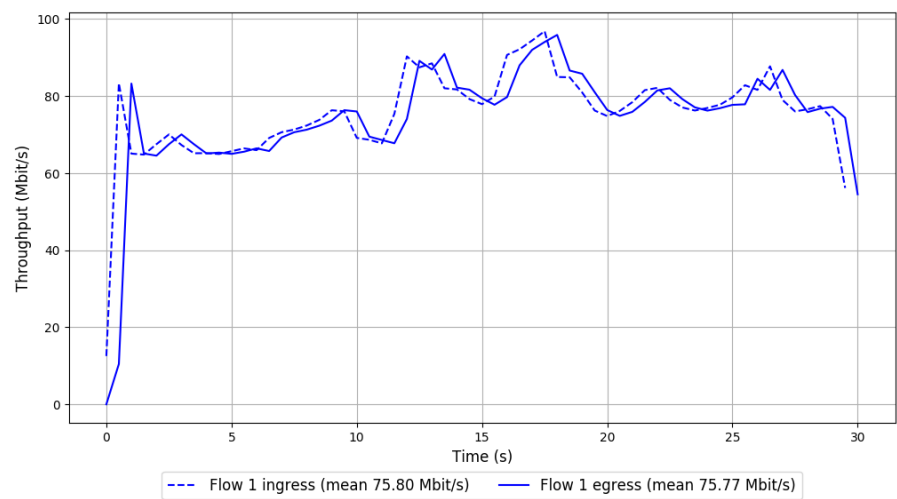
-- Flow 1:

Average throughput: 75.77 Mbit/s

95th percentile per-packet one-way delay: 27.387 ms

Loss rate: 0.13%

Run 2: Report of PCC-Allegro — Data Link



Run 3: Statistics of PCC-Allegro

Start at: 2018-06-30 07:14:29

End at: 2018-06-30 07:14:59

Local clock offset: -1.461 ms

Remote clock offset: 16.894 ms

Below is generated by plot.py at 2018-06-30 10:04:51

Datalink statistics

-- Total of 1 flow:

Average throughput: 79.70 Mbit/s

95th percentile per-packet one-way delay: 28.170 ms

Loss rate: 0.12%

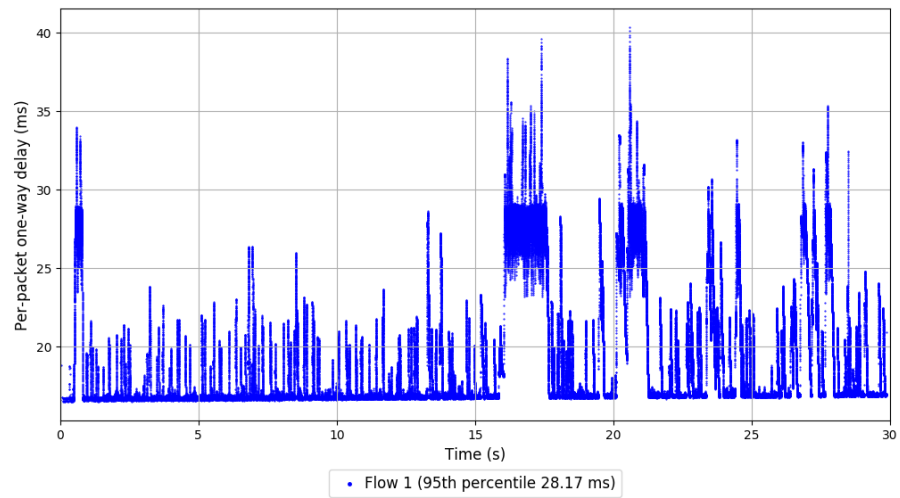
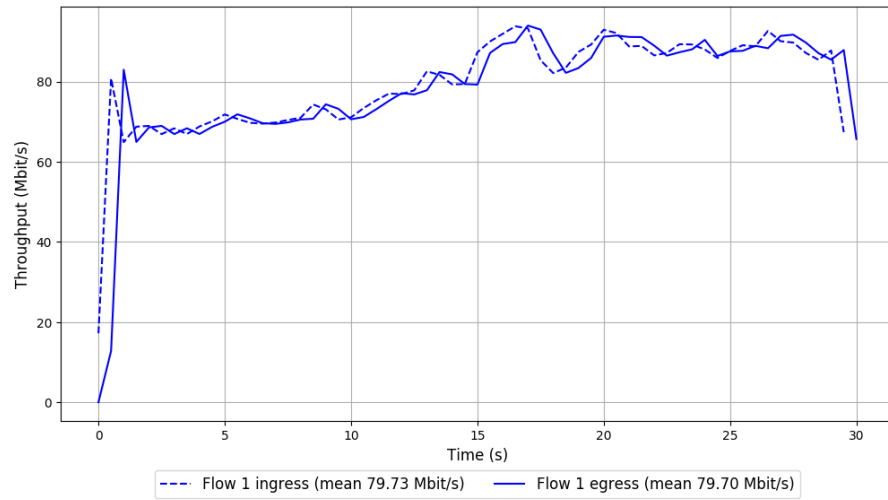
-- Flow 1:

Average throughput: 79.70 Mbit/s

95th percentile per-packet one-way delay: 28.170 ms

Loss rate: 0.12%

Run 3: Report of PCC-Allegro — Data Link



Run 4: Statistics of PCC-Allegro

Start at: 2018-06-30 07:35:01

End at: 2018-06-30 07:35:31

Local clock offset: 1.4 ms

Remote clock offset: 25.539 ms

Below is generated by plot.py at 2018-06-30 10:04:51

Datalink statistics

-- Total of 1 flow:

Average throughput: 2.35 Mbit/s

95th percentile per-packet one-way delay: 20.198 ms

Loss rate: 0.09%

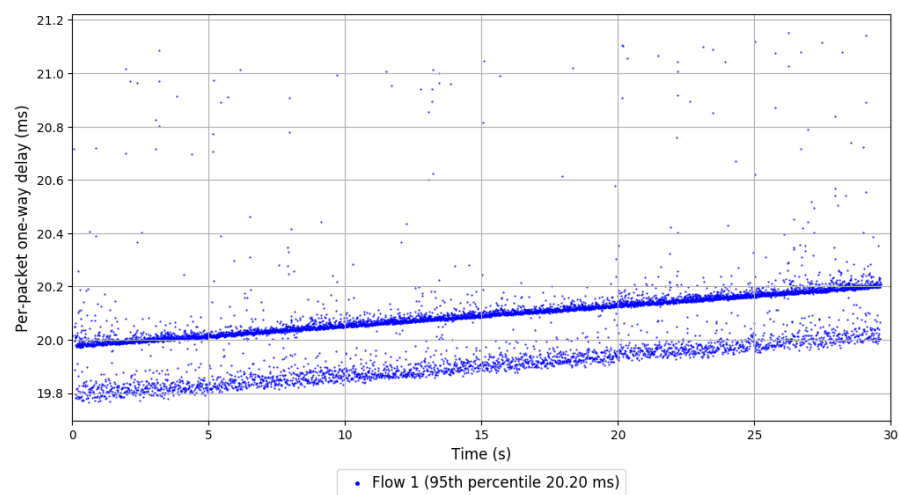
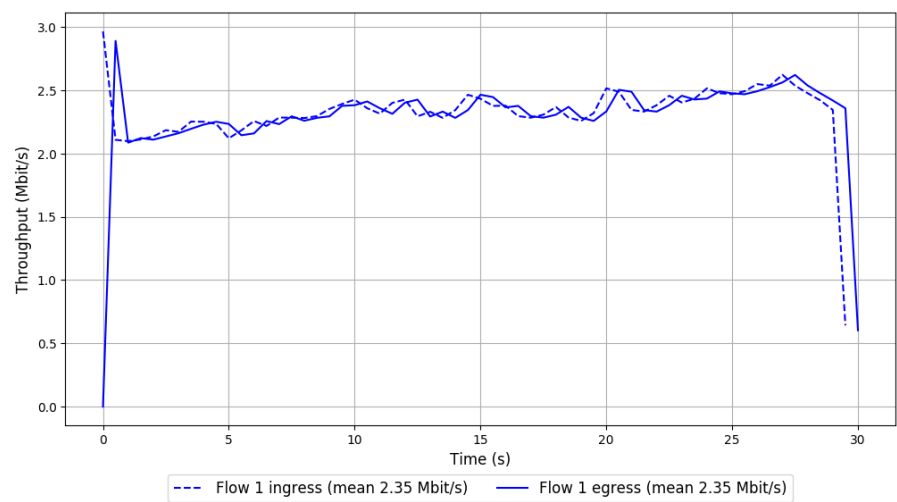
-- Flow 1:

Average throughput: 2.35 Mbit/s

95th percentile per-packet one-way delay: 20.198 ms

Loss rate: 0.09%

Run 4: Report of PCC-Allegro — Data Link



Run 5: Statistics of PCC-Allegro

Start at: 2018-06-30 07:55:06

End at: 2018-06-30 07:55:36

Local clock offset: -4.41 ms

Remote clock offset: -2.937 ms

Below is generated by plot.py at 2018-06-30 10:04:51

Datalink statistics

-- Total of 1 flow:

Average throughput: 67.60 Mbit/s

95th percentile per-packet one-way delay: 14.791 ms

Loss rate: 0.10%

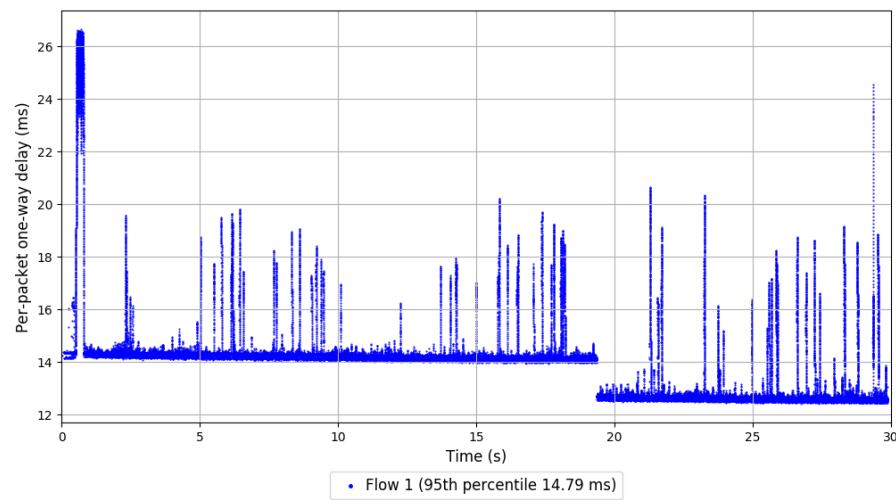
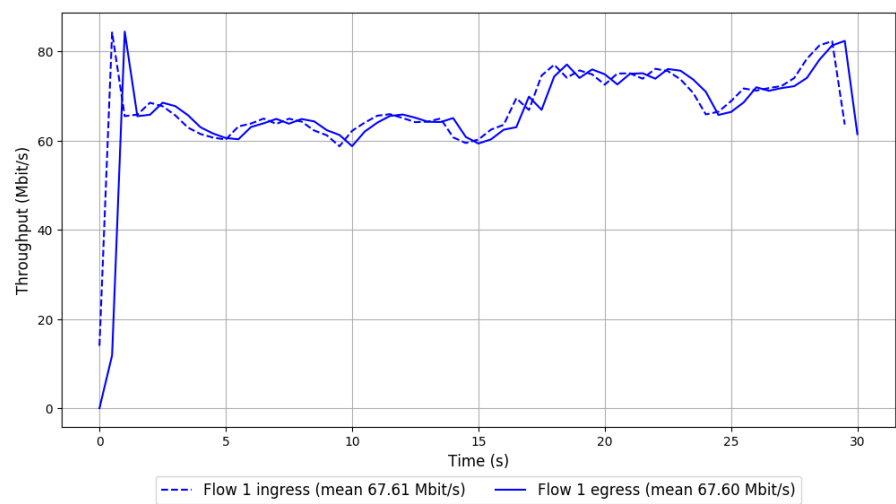
-- Flow 1:

Average throughput: 67.60 Mbit/s

95th percentile per-packet one-way delay: 14.791 ms

Loss rate: 0.10%

Run 5: Report of PCC-Allegro — Data Link

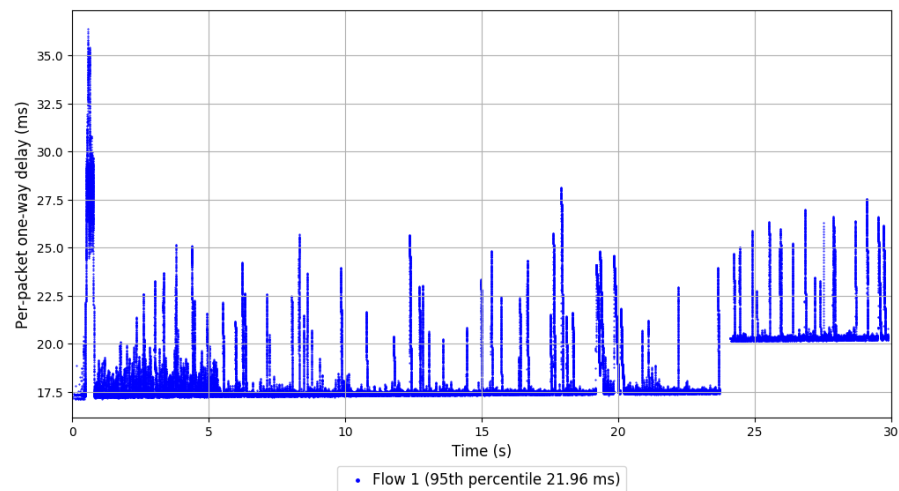
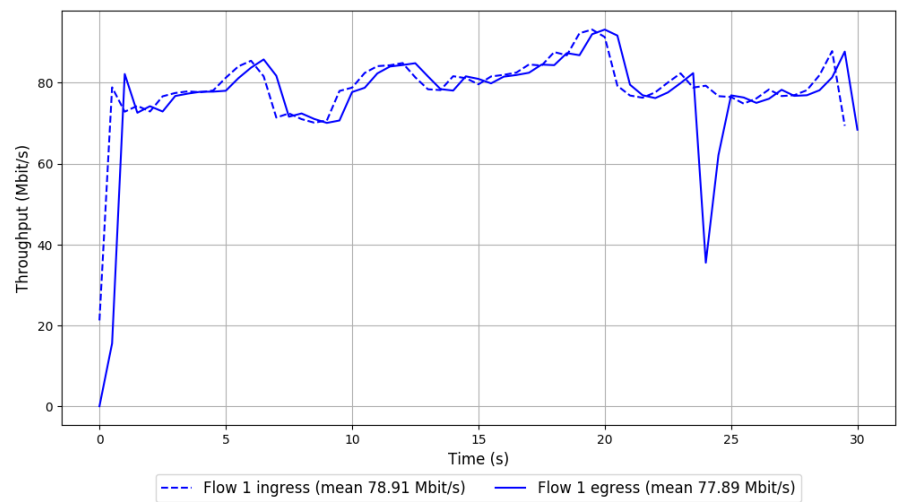


Run 6: Statistics of PCC-Allegro

Start at: 2018-06-30 08:15:11
End at: 2018-06-30 08:15:41
Local clock offset: -0.512 ms
Remote clock offset: -7.264 ms

Below is generated by plot.py at 2018-06-30 10:05:05
Datalink statistics
-- Total of 1 flow:
Average throughput: 77.89 Mbit/s
95th percentile per-packet one-way delay: 21.964 ms
Loss rate: 1.38%
-- Flow 1:
Average throughput: 77.89 Mbit/s
95th percentile per-packet one-way delay: 21.964 ms
Loss rate: 1.38%

Run 6: Report of PCC-Allegro — Data Link



Run 7: Statistics of PCC-Allegro

Start at: 2018-06-30 08:35:04

End at: 2018-06-30 08:35:34

Local clock offset: -0.624 ms

Remote clock offset: -0.984 ms

Below is generated by plot.py at 2018-06-30 10:05:05

Datalink statistics

-- Total of 1 flow:

Average throughput: 4.60 Mbit/s

95th percentile per-packet one-way delay: 14.978 ms

Loss rate: 0.18%

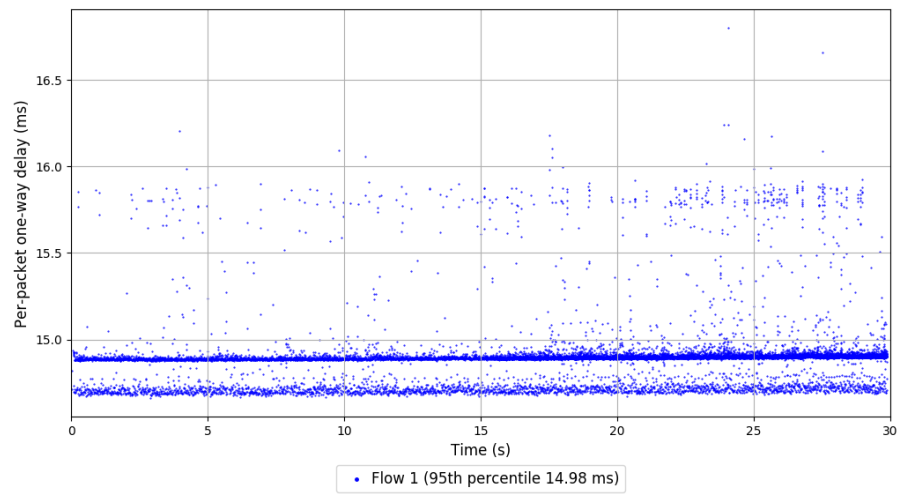
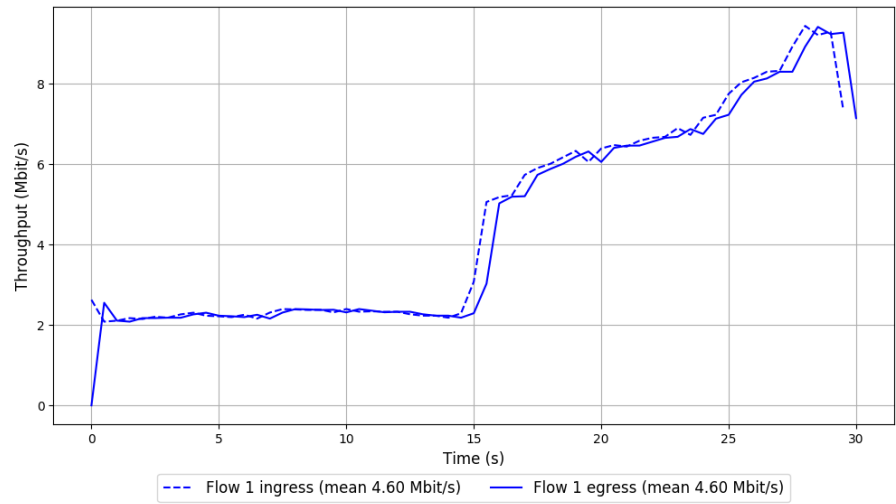
-- Flow 1:

Average throughput: 4.60 Mbit/s

95th percentile per-packet one-way delay: 14.978 ms

Loss rate: 0.18%

Run 7: Report of PCC-Allegro — Data Link



Run 8: Statistics of PCC-Allegro

Start at: 2018-06-30 08:54:55

End at: 2018-06-30 08:55:25

Local clock offset: 3.088 ms

Remote clock offset: 1.166 ms

Below is generated by plot.py at 2018-06-30 10:05:07

Datalink statistics

-- Total of 1 flow:

Average throughput: 75.64 Mbit/s

95th percentile per-packet one-way delay: 19.032 ms

Loss rate: 0.08%

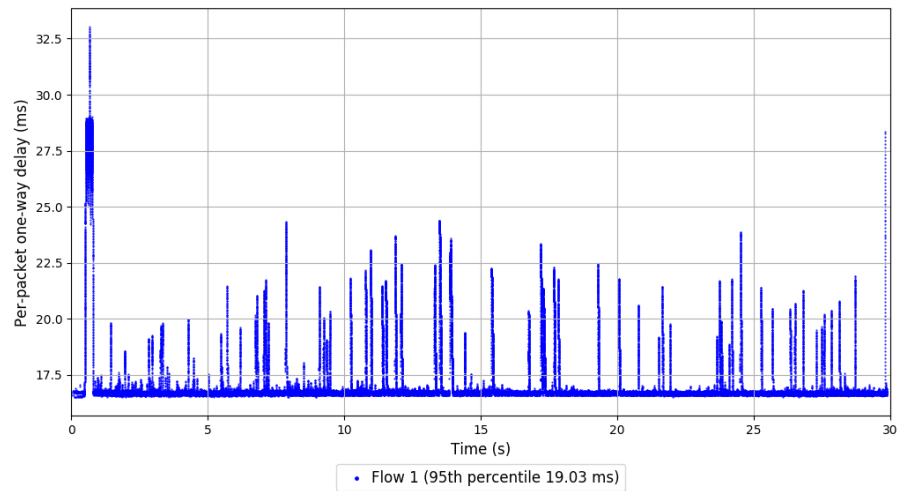
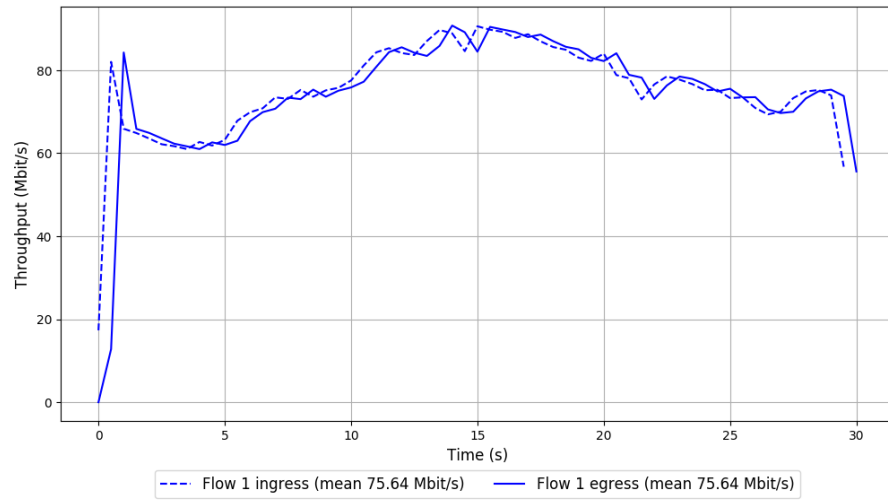
-- Flow 1:

Average throughput: 75.64 Mbit/s

95th percentile per-packet one-way delay: 19.032 ms

Loss rate: 0.08%

Run 8: Report of PCC-Allegro — Data Link



Run 9: Statistics of PCC-Allegro

Start at: 2018-06-30 09:14:29

End at: 2018-06-30 09:14:59

Local clock offset: 0.382 ms

Remote clock offset: -1.446 ms

Below is generated by plot.py at 2018-06-30 10:05:17

Datalink statistics

-- Total of 1 flow:

Average throughput: 85.18 Mbit/s

95th percentile per-packet one-way delay: 22.169 ms

Loss rate: 0.09%

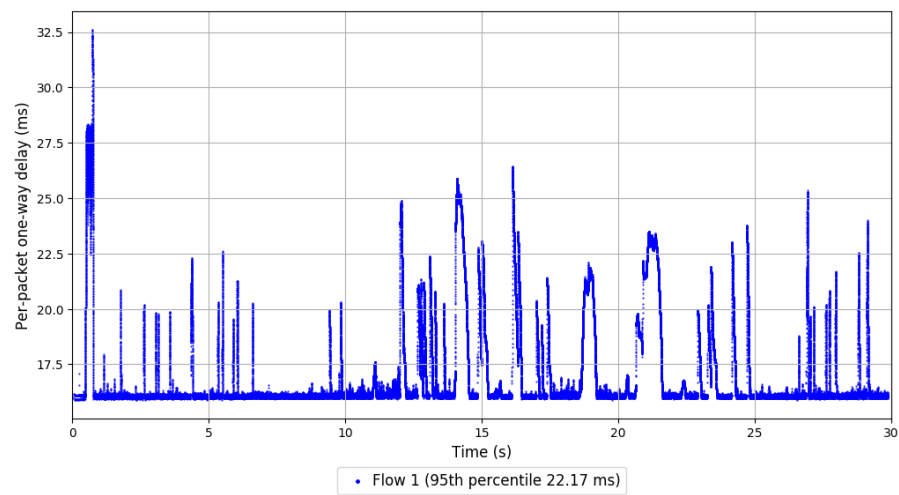
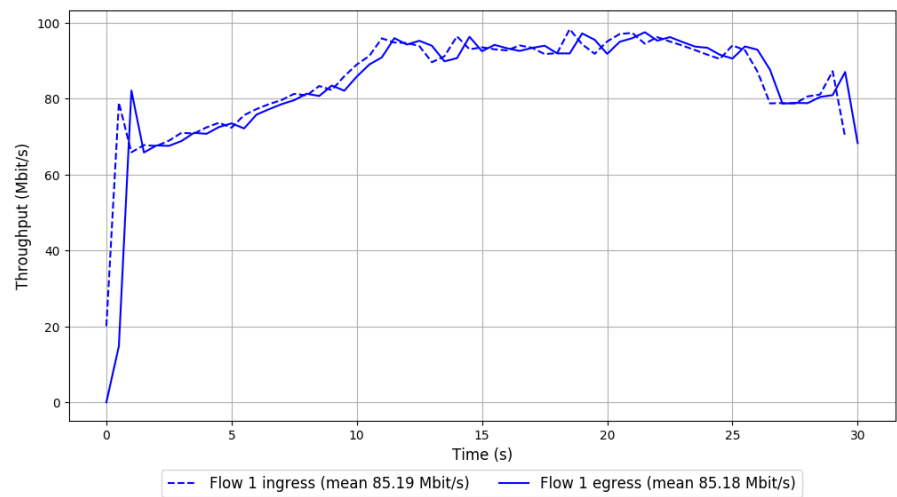
-- Flow 1:

Average throughput: 85.18 Mbit/s

95th percentile per-packet one-way delay: 22.169 ms

Loss rate: 0.09%

Run 9: Report of PCC-Allegro — Data Link



Run 10: Statistics of PCC-Allegro

Start at: 2018-06-30 09:34:14

End at: 2018-06-30 09:34:44

Local clock offset: -2.091 ms

Remote clock offset: -1.242 ms

Below is generated by plot.py at 2018-06-30 10:05:17

Datalink statistics

-- Total of 1 flow:

Average throughput: 5.51 Mbit/s

95th percentile per-packet one-way delay: 14.190 ms

Loss rate: 0.10%

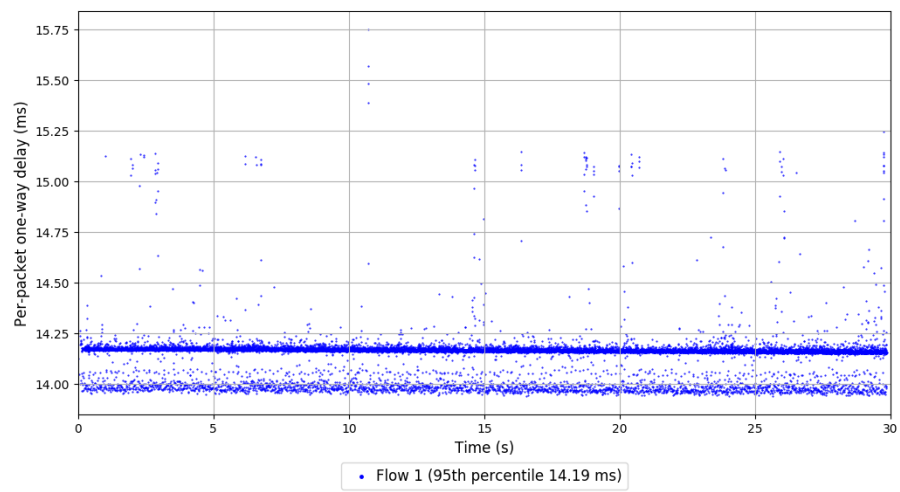
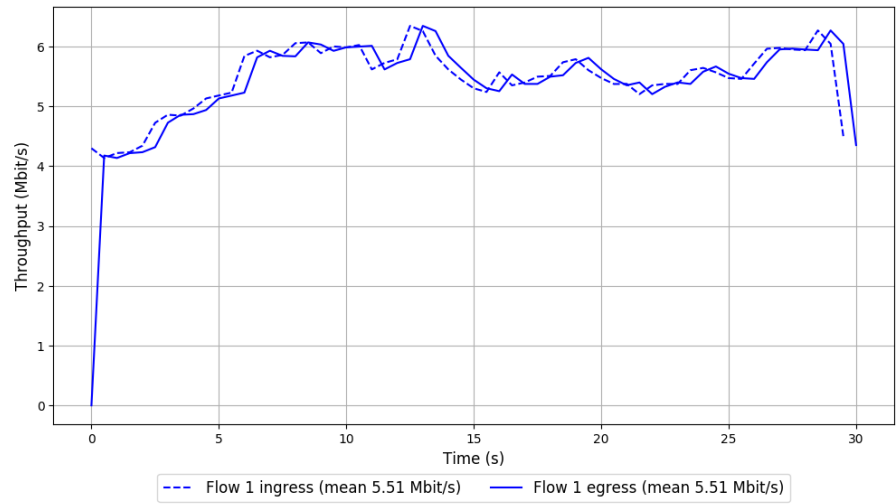
-- Flow 1:

Average throughput: 5.51 Mbit/s

95th percentile per-packet one-way delay: 14.190 ms

Loss rate: 0.10%

Run 10: Report of PCC-Allegro — Data Link

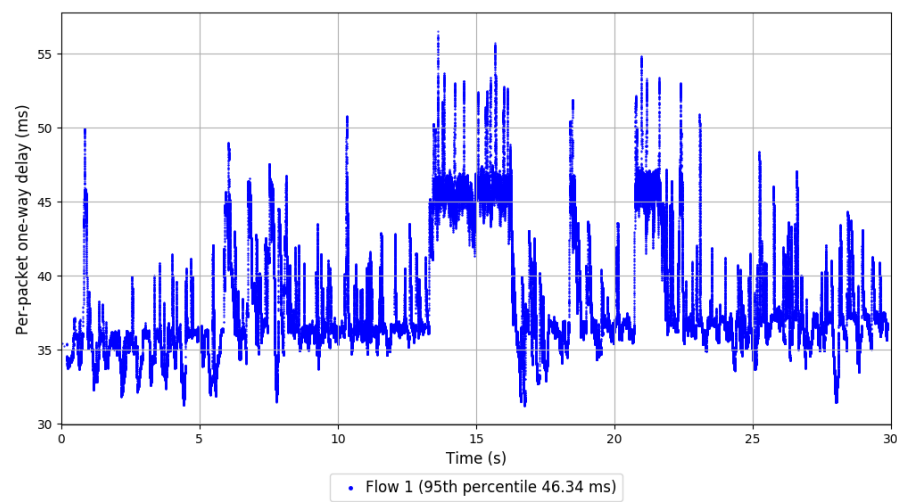
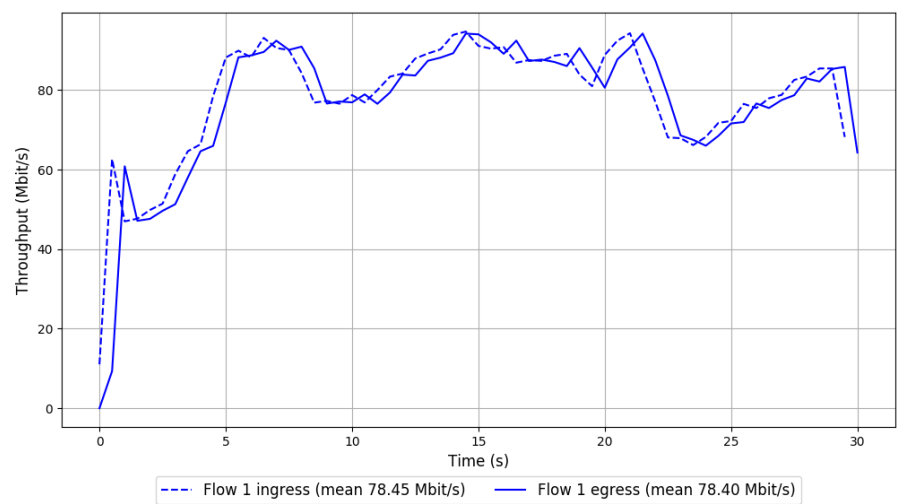


```
Run 1: Statistics of PCC-Expr

Start at: 2018-06-30 06:36:49
End at: 2018-06-30 06:37:19
Local clock offset: -1.746 ms
Remote clock offset: -4.838 ms

# Below is generated by plot.py at 2018-06-30 10:05:58
# Datalink statistics
-- Total of 1 flow:
Average throughput: 78.40 Mbit/s
95th percentile per-packet one-way delay: 46.337 ms
Loss rate: 0.25%
-- Flow 1:
Average throughput: 78.40 Mbit/s
95th percentile per-packet one-way delay: 46.337 ms
Loss rate: 0.25%
```


Run 1: Report of PCC-Expr — Data Link



Run 2: Statistics of PCC-Expr

Start at: 2018-06-30 06:57:25

End at: 2018-06-30 06:57:55

Local clock offset: -1.248 ms

Remote clock offset: 8.164 ms

Below is generated by plot.py at 2018-06-30 10:05:58

Datalink statistics

-- Total of 1 flow:

Average throughput: 59.56 Mbit/s

95th percentile per-packet one-way delay: 21.426 ms

Loss rate: 0.12%

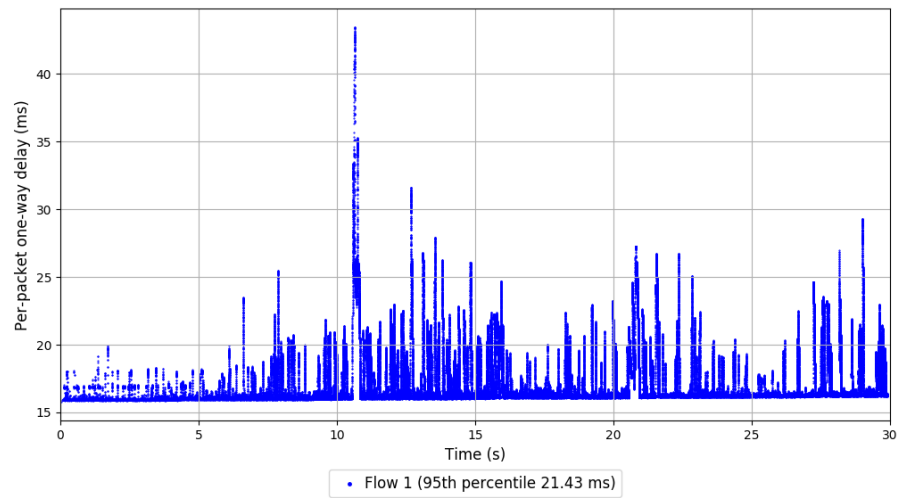
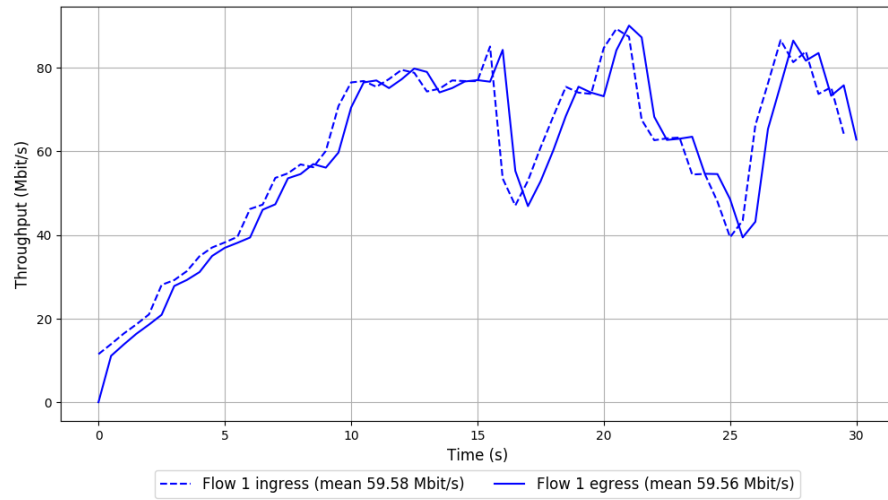
-- Flow 1:

Average throughput: 59.56 Mbit/s

95th percentile per-packet one-way delay: 21.426 ms

Loss rate: 0.12%

Run 2: Report of PCC-Expr — Data Link



Run 3: Statistics of PCC-Expr

Start at: 2018-06-30 07:17:58

End at: 2018-06-30 07:18:28

Local clock offset: 1.715 ms

Remote clock offset: 17.592 ms

Below is generated by plot.py at 2018-06-30 10:05:58

Datalink statistics

-- Total of 1 flow:

Average throughput: 60.75 Mbit/s

95th percentile per-packet one-way delay: 31.719 ms

Loss rate: 0.15%

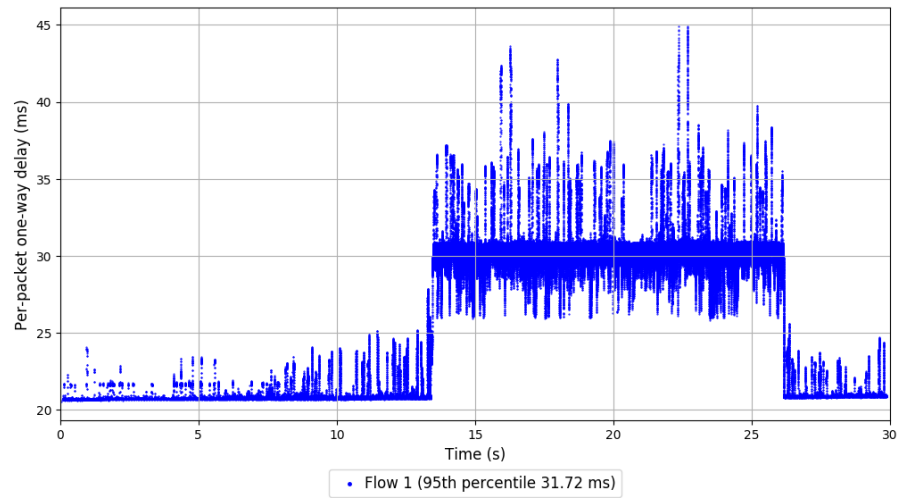
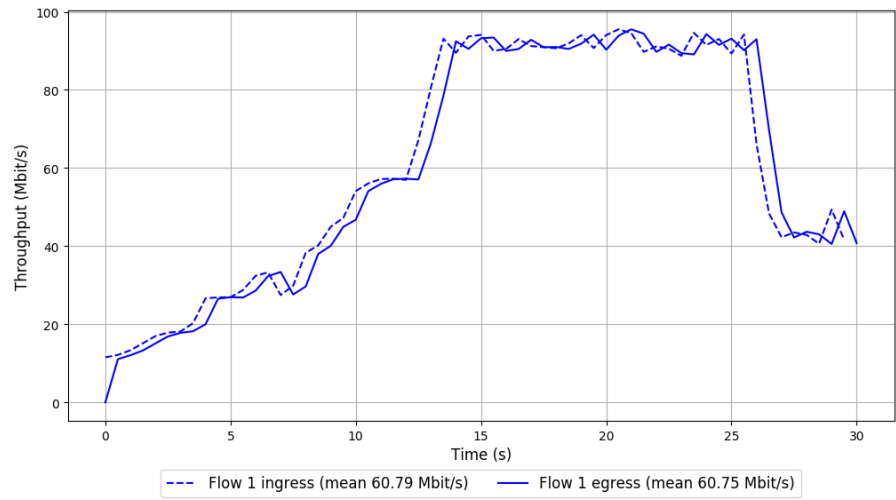
-- Flow 1:

Average throughput: 60.75 Mbit/s

95th percentile per-packet one-way delay: 31.719 ms

Loss rate: 0.15%

Run 3: Report of PCC-Expr — Data Link

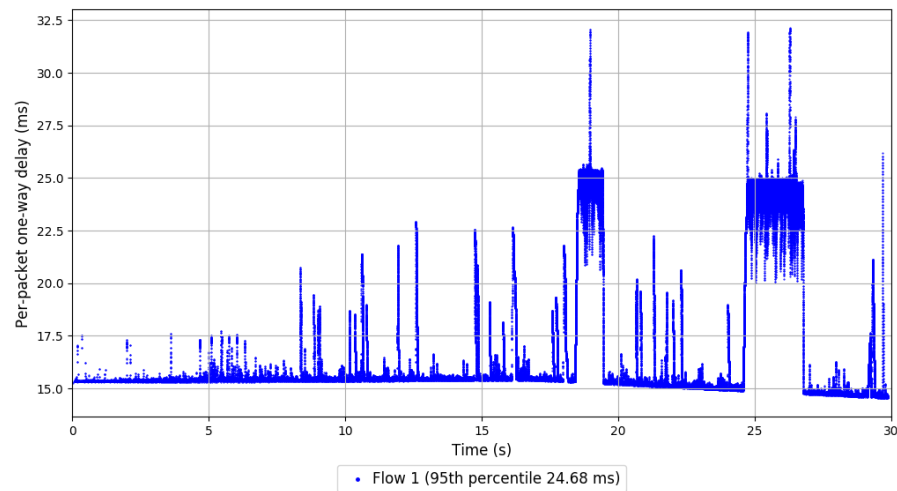
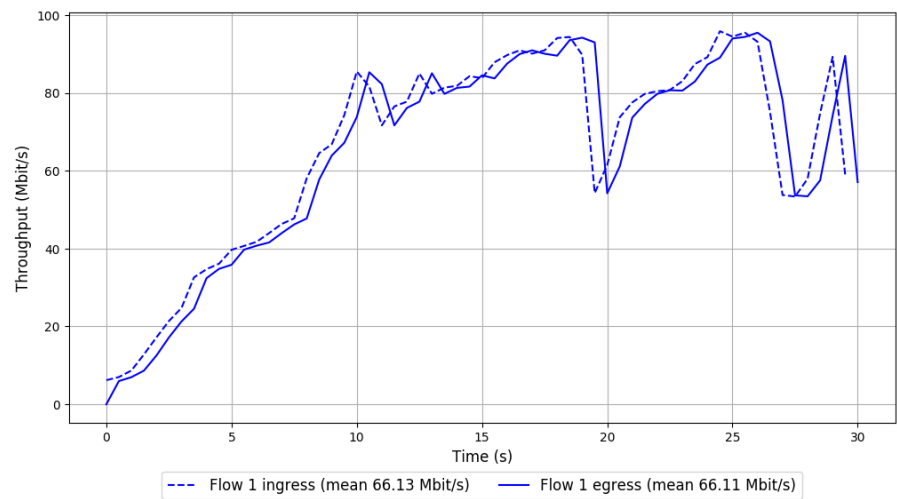


Run 4: Statistics of PCC-Expr

Start at: 2018-06-30 07:38:22
End at: 2018-06-30 07:38:52
Local clock offset: -4.021 ms
Remote clock offset: 26.309 ms

Below is generated by plot.py at 2018-06-30 10:06:20
Datalink statistics
-- Total of 1 flow:
Average throughput: 66.11 Mbit/s
95th percentile per-packet one-way delay: 24.677 ms
Loss rate: 0.11%
-- Flow 1:
Average throughput: 66.11 Mbit/s
95th percentile per-packet one-way delay: 24.677 ms
Loss rate: 0.11%

Run 4: Report of PCC-Expr — Data Link

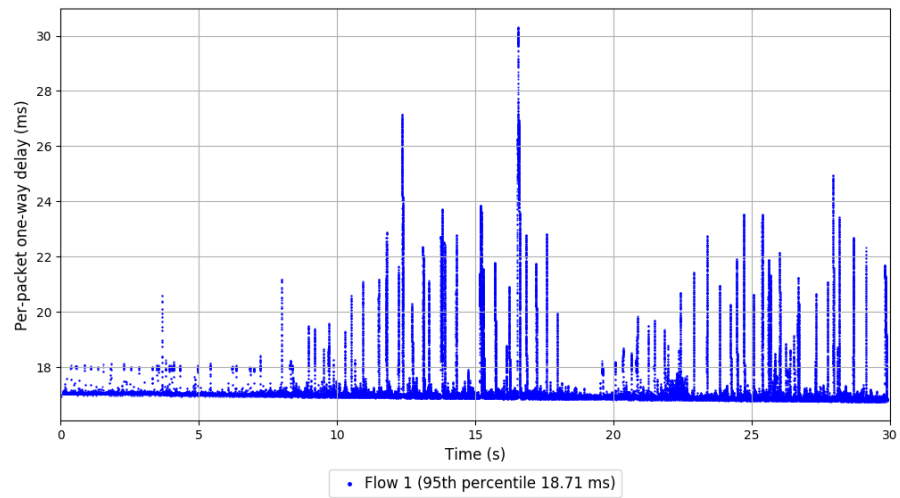
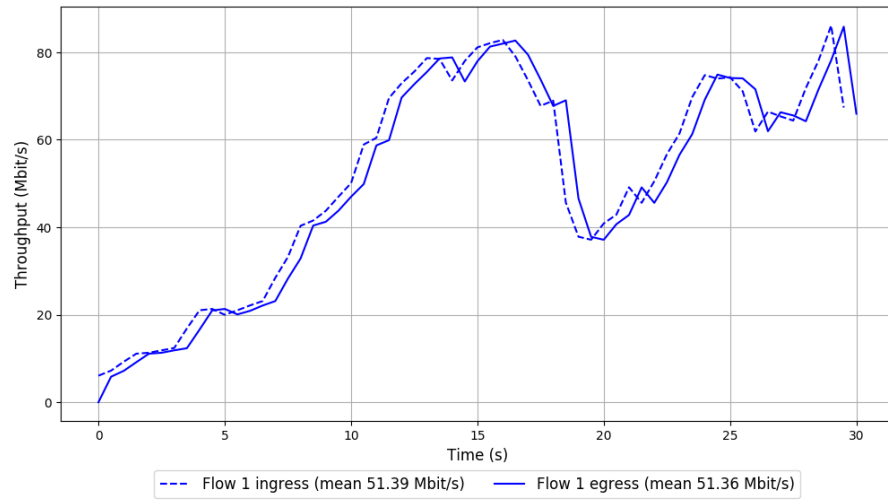


Run 5: Statistics of PCC-Expr

Start at: 2018-06-30 07:58:31
End at: 2018-06-30 07:59:01
Local clock offset: -1.475 ms
Remote clock offset: -4.703 ms

Below is generated by plot.py at 2018-06-30 10:06:20
Datalink statistics
-- Total of 1 flow:
Average throughput: 51.36 Mbit/s
95th percentile per-packet one-way delay: 18.707 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 51.36 Mbit/s
95th percentile per-packet one-way delay: 18.707 ms
Loss rate: 0.13%

Run 5: Report of PCC-Expr — Data Link

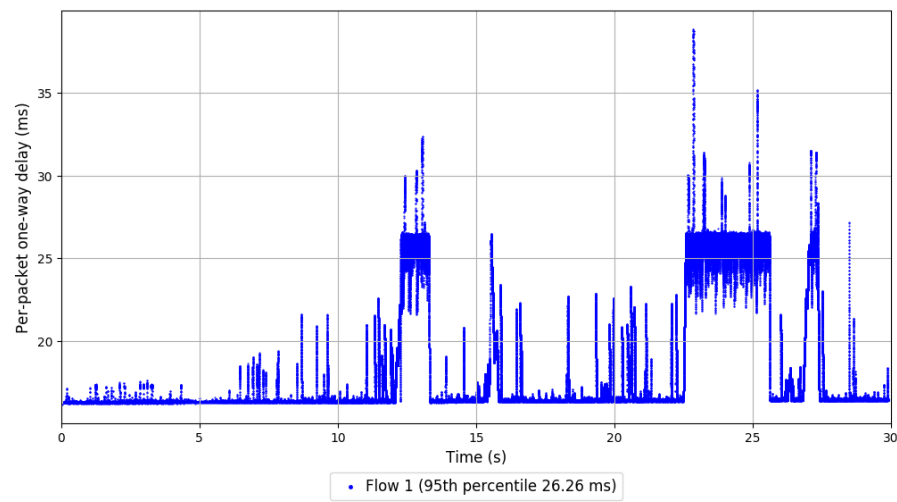
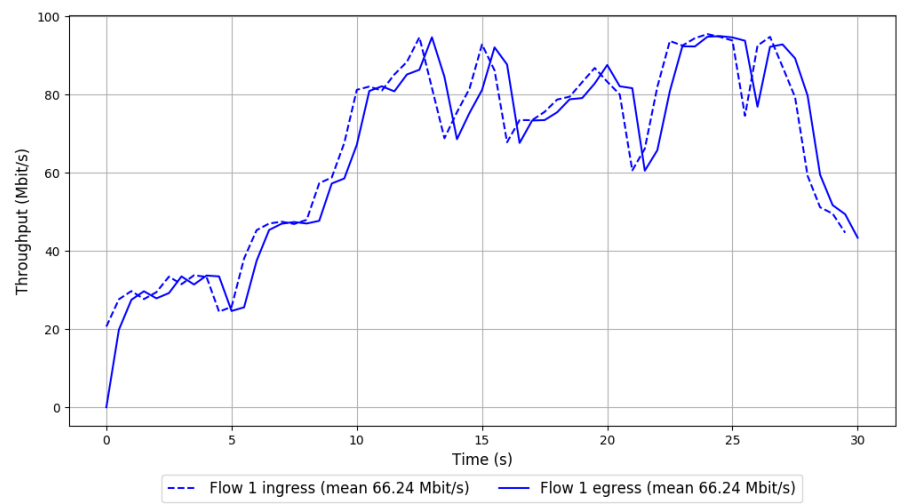


Run 6: Statistics of PCC-Expr

Start at: 2018-06-30 08:18:40
End at: 2018-06-30 08:19:10
Local clock offset: 0.531 ms
Remote clock offset: -3.634 ms

Below is generated by plot.py at 2018-06-30 10:06:33
Datalink statistics
-- Total of 1 flow:
Average throughput: 66.24 Mbit/s
95th percentile per-packet one-way delay: 26.256 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 66.24 Mbit/s
95th percentile per-packet one-way delay: 26.256 ms
Loss rate: 0.09%

Run 6: Report of PCC-Expr — Data Link

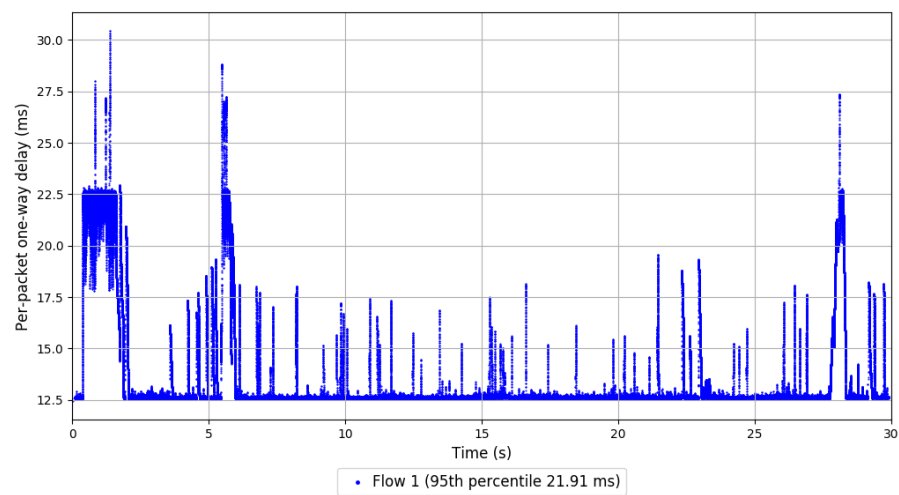
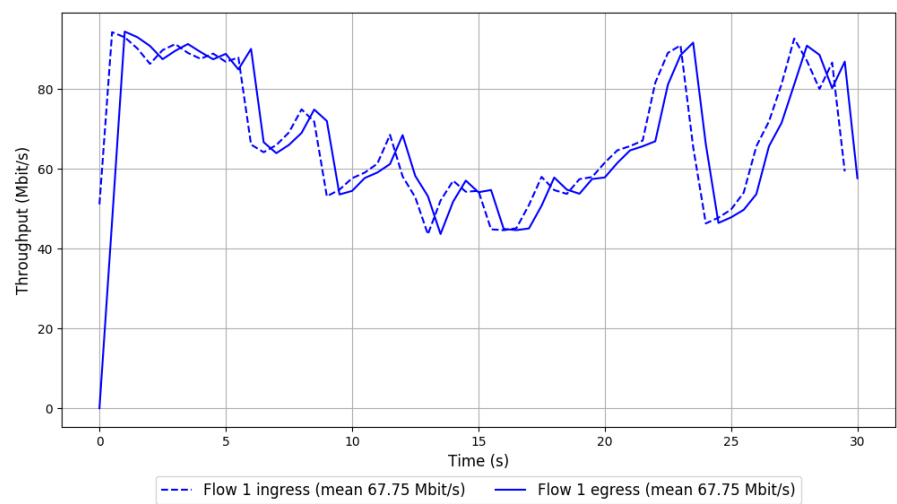


Run 7: Statistics of PCC-Expr

Start at: 2018-06-30 08:38:25
End at: 2018-06-30 08:38:55
Local clock offset: -2.515 ms
Remote clock offset: -0.458 ms

Below is generated by plot.py at 2018-06-30 10:06:36
Datalink statistics
-- Total of 1 flow:
Average throughput: 67.75 Mbit/s
95th percentile per-packet one-way delay: 21.910 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 67.75 Mbit/s
95th percentile per-packet one-way delay: 21.910 ms
Loss rate: 0.09%

Run 7: Report of PCC-Expr — Data Link

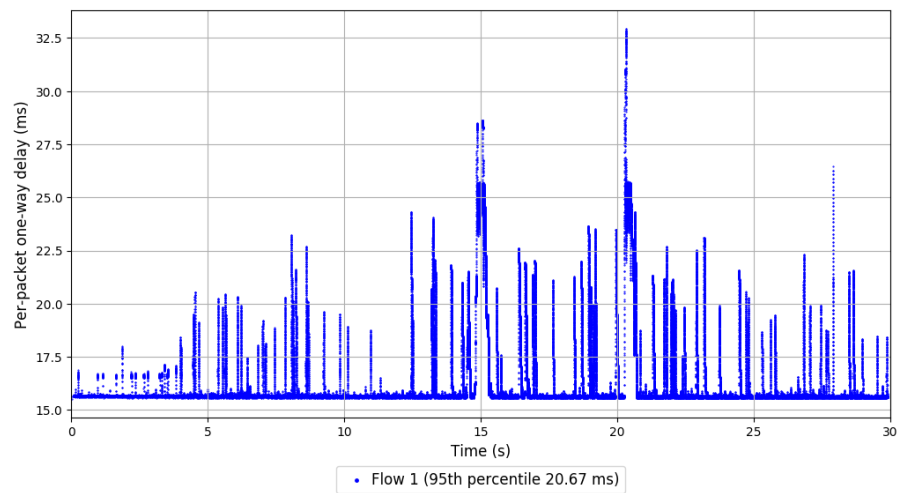
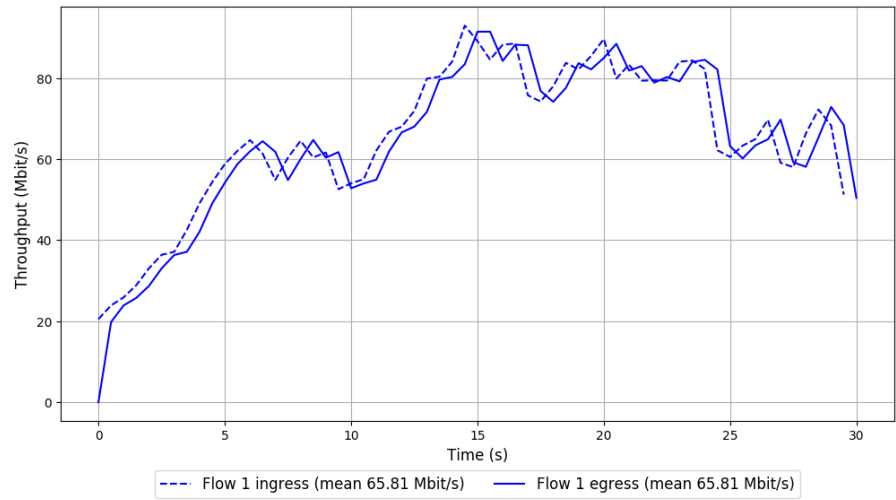


Run 8: Statistics of PCC-Expr

Start at: 2018-06-30 08:58:16
End at: 2018-06-30 08:58:46
Local clock offset: 0.731 ms
Remote clock offset: -0.191 ms

Below is generated by plot.py at 2018-06-30 10:06:43
Datalink statistics
-- Total of 1 flow:
Average throughput: 65.81 Mbit/s
95th percentile per-packet one-way delay: 20.668 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 65.81 Mbit/s
95th percentile per-packet one-way delay: 20.668 ms
Loss rate: 0.07%

Run 8: Report of PCC-Expr — Data Link

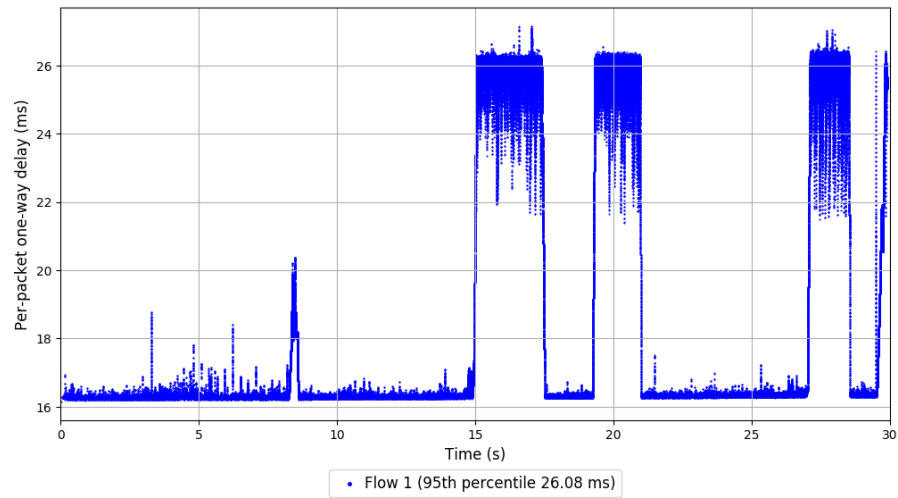
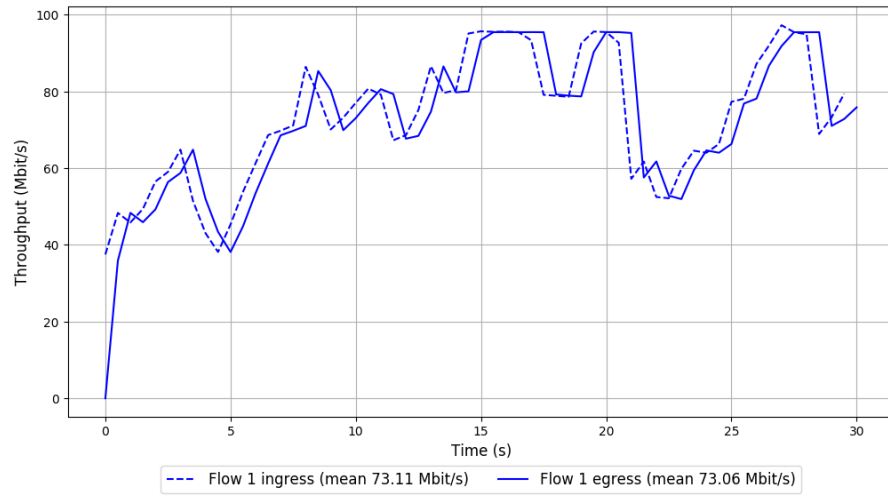


Run 9: Statistics of PCC-Expr

Start at: 2018-06-30 09:18:00
End at: 2018-06-30 09:18:30
Local clock offset: -5.065 ms
Remote clock offset: -6.372 ms

Below is generated by plot.py at 2018-06-30 10:07:15
Datalink statistics
-- Total of 1 flow:
Average throughput: 73.06 Mbit/s
95th percentile per-packet one-way delay: 26.084 ms
Loss rate: 0.15%
-- Flow 1:
Average throughput: 73.06 Mbit/s
95th percentile per-packet one-way delay: 26.084 ms
Loss rate: 0.15%

Run 9: Report of PCC-Expr — Data Link



Run 10: Statistics of PCC-Expr

Start at: 2018-06-30 09:37:37

End at: 2018-06-30 09:38:07

Local clock offset: -2.93 ms

Remote clock offset: -2.623 ms

Below is generated by plot.py at 2018-06-30 10:07:15

Datalink statistics

-- Total of 1 flow:

Average throughput: 34.42 Mbit/s

95th percentile per-packet one-way delay: 15.568 ms

Loss rate: 0.23%

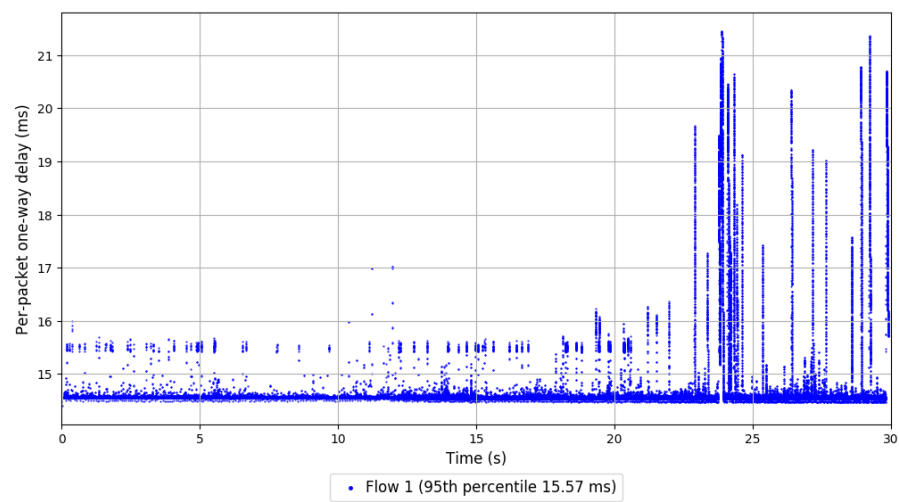
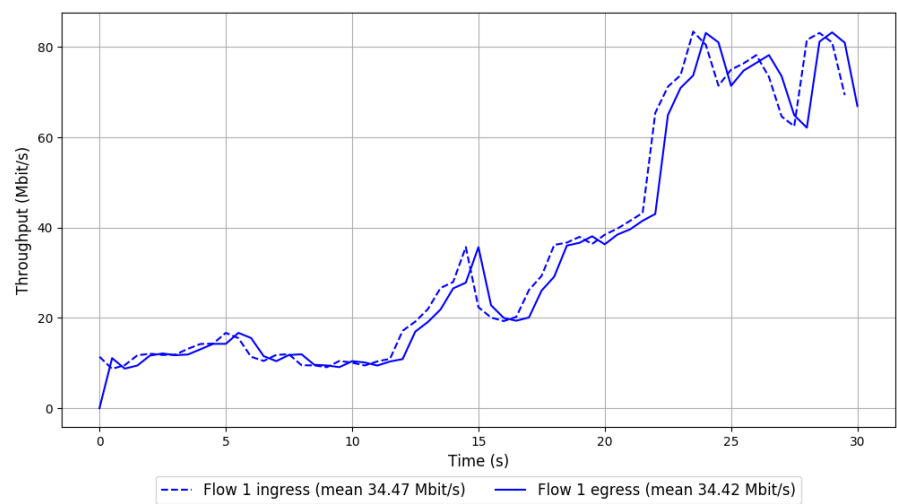
-- Flow 1:

Average throughput: 34.42 Mbit/s

95th percentile per-packet one-way delay: 15.568 ms

Loss rate: 0.23%

Run 10: Report of PCC-Expr — Data Link



Run 1: Statistics of QUIC Cubic

Start at: 2018-06-30 06:45:25

End at: 2018-06-30 06:45:55

Local clock offset: -1.817 ms

Remote clock offset: 1.423 ms

Below is generated by plot.py at 2018-06-30 10:07:15

Datalink statistics

-- Total of 1 flow:

Average throughput: 87.56 Mbit/s

95th percentile per-packet one-way delay: 21.101 ms

Loss rate: 0.11%

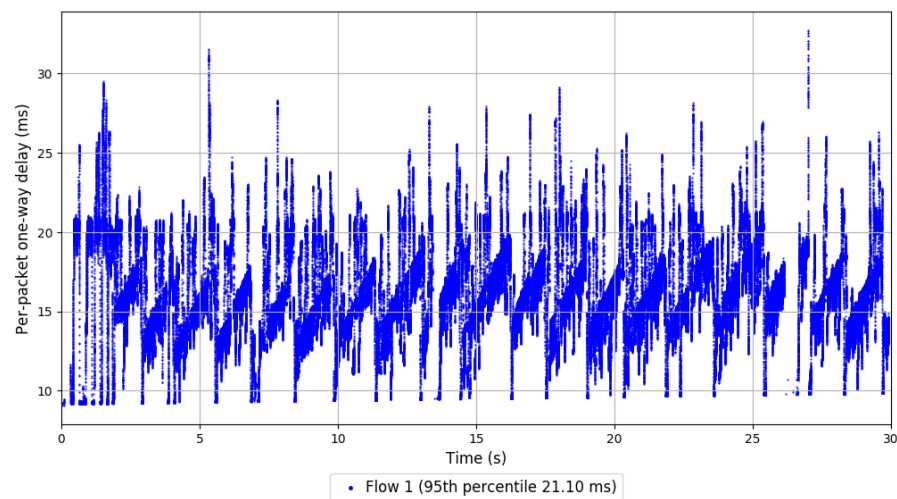
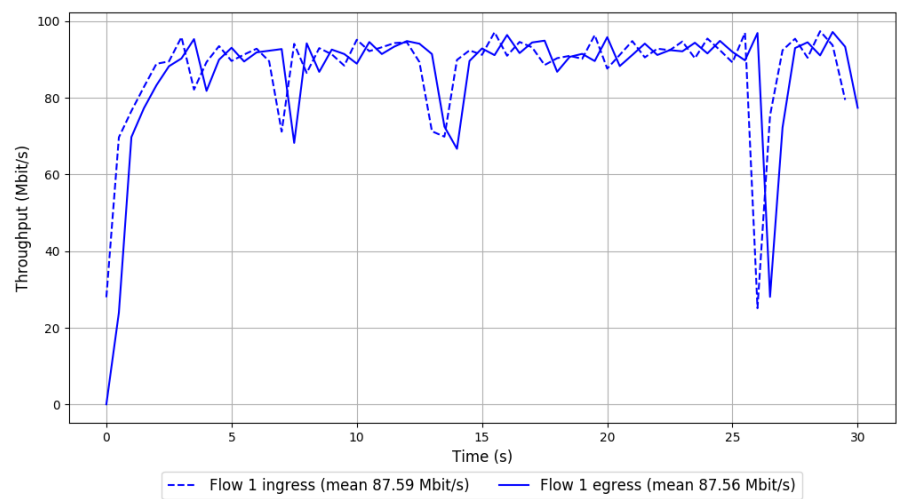
-- Flow 1:

Average throughput: 87.56 Mbit/s

95th percentile per-packet one-way delay: 21.101 ms

Loss rate: 0.11%

Run 1: Report of QUIC Cubic — Data Link



Run 2: Statistics of QUIC Cubic

Start at: 2018-06-30 07:06:01

End at: 2018-06-30 07:06:31

Local clock offset: 0.362 ms

Remote clock offset: 12.726 ms

Below is generated by plot.py at 2018-06-30 10:07:15

Datalink statistics

-- Total of 1 flow:

Average throughput: 87.41 Mbit/s

95th percentile per-packet one-way delay: 30.009 ms

Loss rate: 0.13%

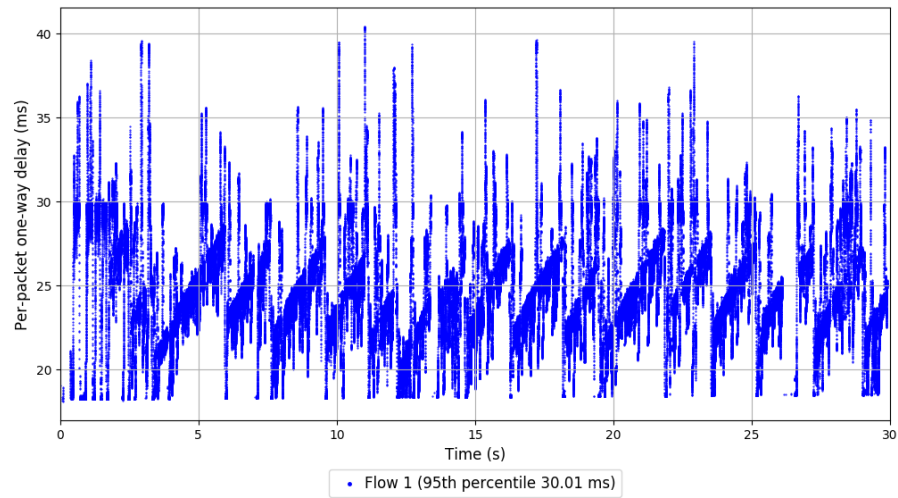
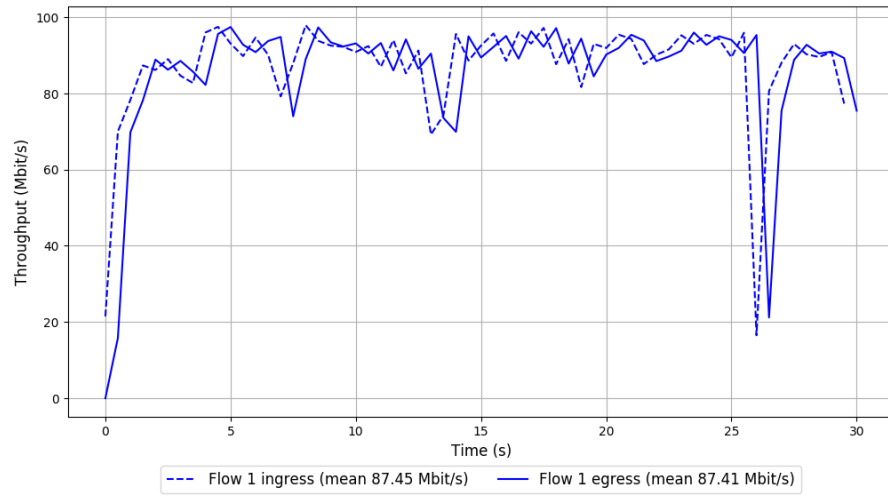
-- Flow 1:

Average throughput: 87.41 Mbit/s

95th percentile per-packet one-way delay: 30.009 ms

Loss rate: 0.13%

Run 2: Report of QUIC Cubic — Data Link

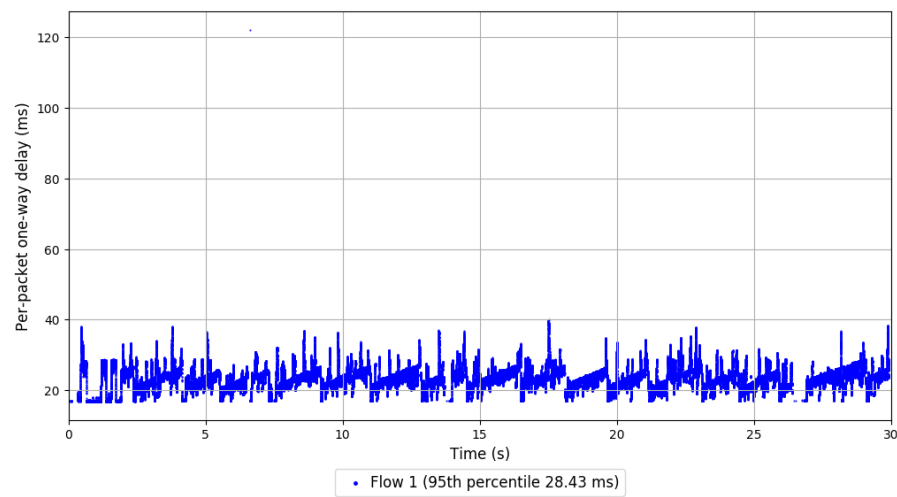
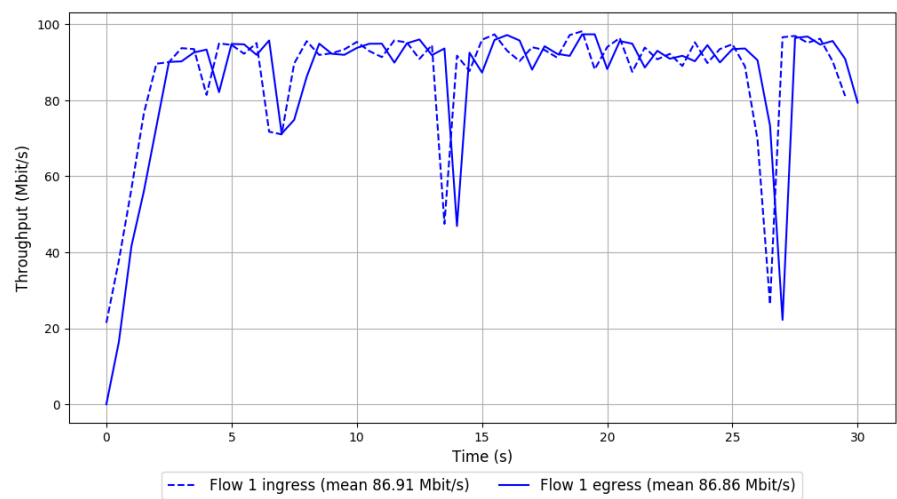


Run 3: Statistics of QUIC Cubic

Start at: 2018-06-30 07:26:31
End at: 2018-06-30 07:27:01
Local clock offset: -1.144 ms
Remote clock offset: 22.247 ms

Below is generated by plot.py at 2018-06-30 10:07:26
Datalink statistics
-- Total of 1 flow:
Average throughput: 86.86 Mbit/s
95th percentile per-packet one-way delay: 28.429 ms
Loss rate: 0.15%
-- Flow 1:
Average throughput: 86.86 Mbit/s
95th percentile per-packet one-way delay: 28.429 ms
Loss rate: 0.15%

Run 3: Report of QUIC Cubic — Data Link



Run 4: Statistics of QUIC Cubic

Start at: 2018-06-30 07:46:45

End at: 2018-06-30 07:47:15

Local clock offset: 0.067 ms

Remote clock offset: 5.933 ms

Below is generated by plot.py at 2018-06-30 10:07:43

Datalink statistics

-- Total of 1 flow:

Average throughput: 87.54 Mbit/s

95th percentile per-packet one-way delay: 29.990 ms

Loss rate: 0.12%

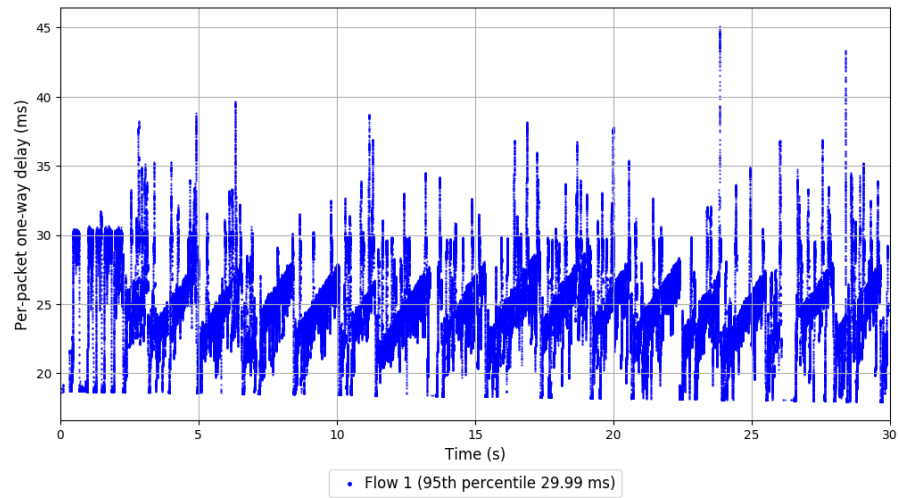
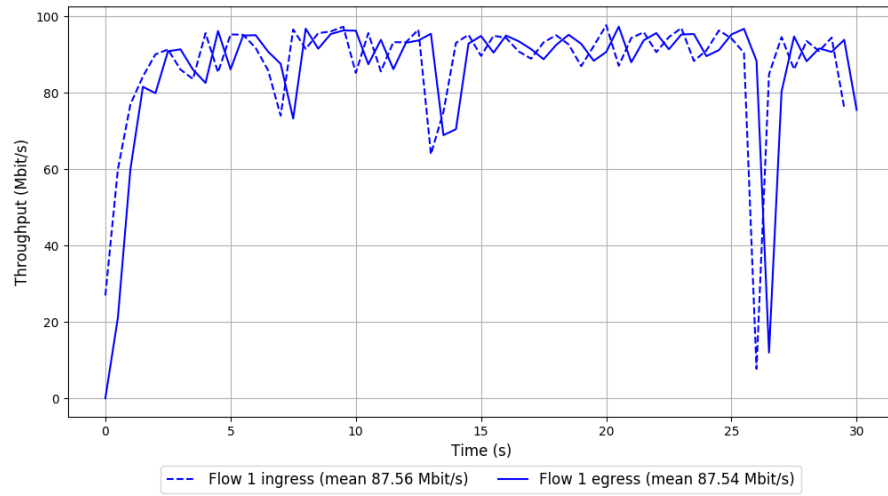
-- Flow 1:

Average throughput: 87.54 Mbit/s

95th percentile per-packet one-way delay: 29.990 ms

Loss rate: 0.12%

Run 4: Report of QUIC Cubic — Data Link



Run 5: Statistics of QUIC Cubic

Start at: 2018-06-30 08:06:50

End at: 2018-06-30 08:07:20

Local clock offset: -0.148 ms

Remote clock offset: -8.239 ms

Below is generated by plot.py at 2018-06-30 10:07:47

Datalink statistics

-- Total of 1 flow:

Average throughput: 89.28 Mbit/s

95th percentile per-packet one-way delay: 28.160 ms

Loss rate: 0.13%

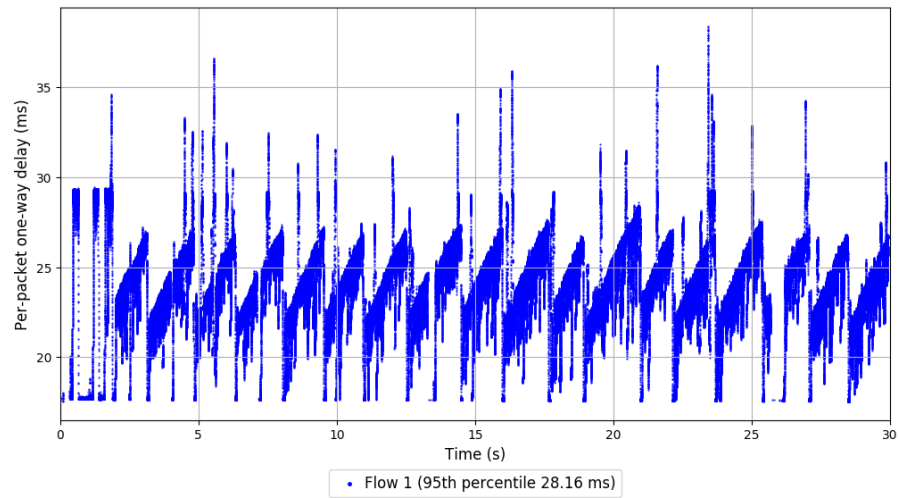
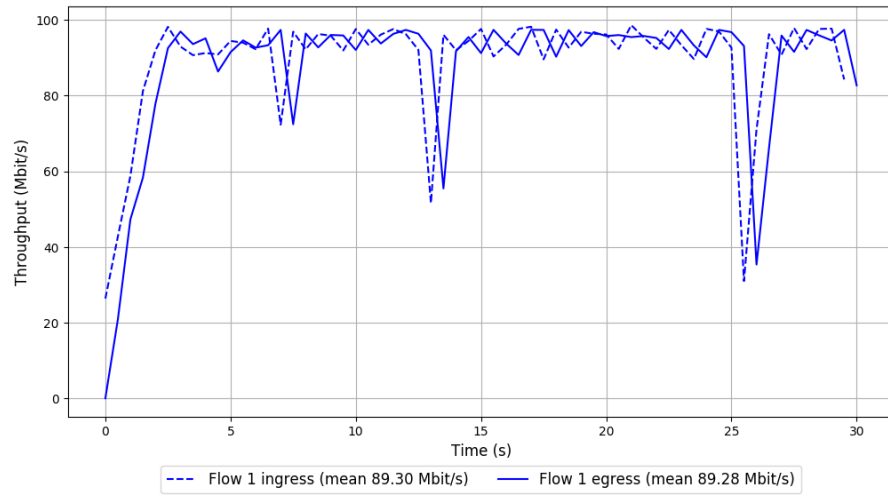
-- Flow 1:

Average throughput: 89.28 Mbit/s

95th percentile per-packet one-way delay: 28.160 ms

Loss rate: 0.13%

Run 5: Report of QUIC Cubic — Data Link



Run 6: Statistics of QUIC Cubic

Start at: 2018-06-30 08:26:59

End at: 2018-06-30 08:27:29

Local clock offset: 0.916 ms

Remote clock offset: -1.74 ms

Below is generated by plot.py at 2018-06-30 10:07:51

Datalink statistics

-- Total of 1 flow:

Average throughput: 88.95 Mbit/s

95th percentile per-packet one-way delay: 27.849 ms

Loss rate: 0.11%

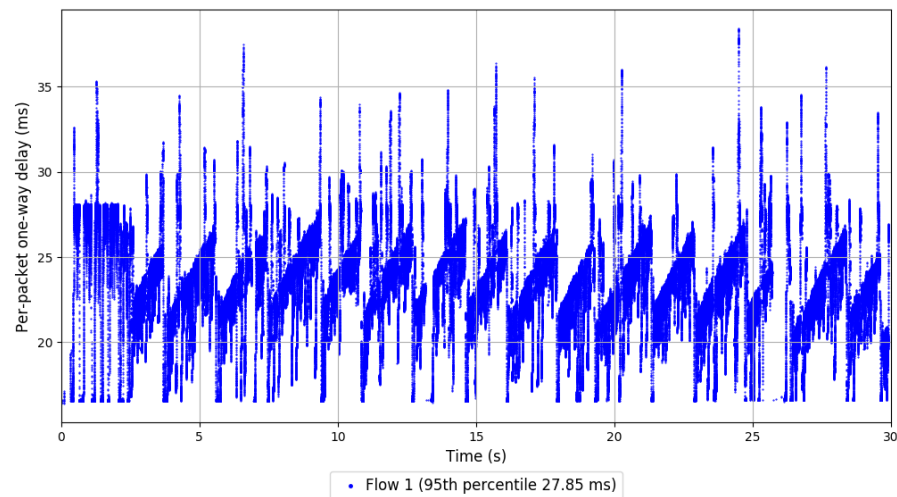
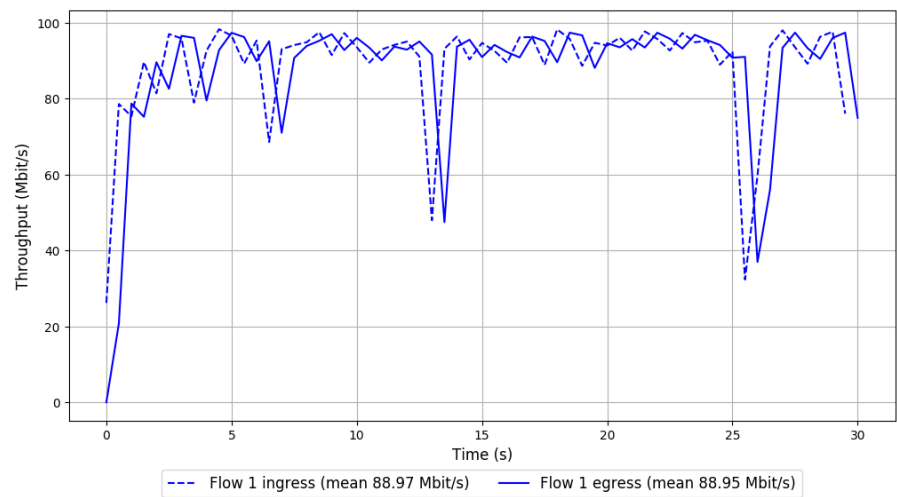
-- Flow 1:

Average throughput: 88.95 Mbit/s

95th percentile per-packet one-way delay: 27.849 ms

Loss rate: 0.11%

Run 6: Report of QUIC Cubic — Data Link



Run 7: Statistics of QUIC Cubic

Start at: 2018-06-30 08:46:46

End at: 2018-06-30 08:47:16

Local clock offset: 0.356 ms

Remote clock offset: 0.238 ms

Below is generated by plot.py at 2018-06-30 10:07:59

Datalink statistics

-- Total of 1 flow:

Average throughput: 86.46 Mbit/s

95th percentile per-packet one-way delay: 26.496 ms

Loss rate: 0.13%

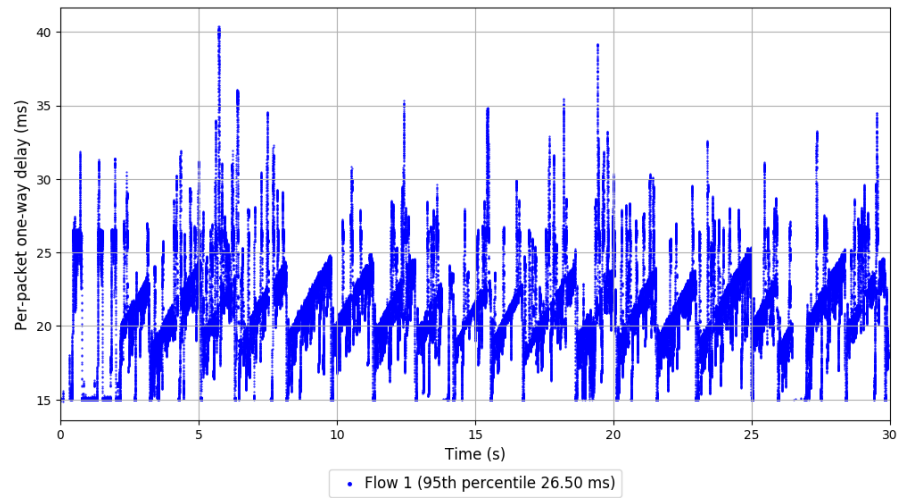
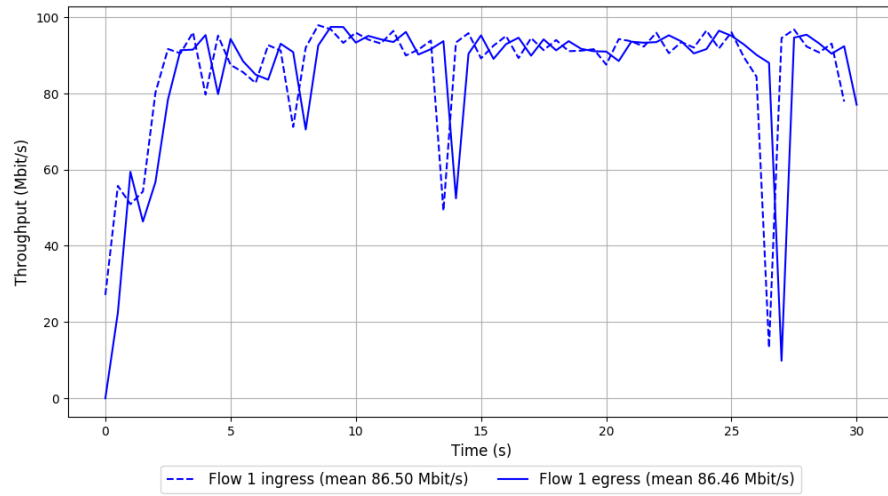
-- Flow 1:

Average throughput: 86.46 Mbit/s

95th percentile per-packet one-way delay: 26.496 ms

Loss rate: 0.13%

Run 7: Report of QUIC Cubic — Data Link



Run 8: Statistics of QUIC Cubic

Start at: 2018-06-30 09:06:24

End at: 2018-06-30 09:06:55

Local clock offset: -1.75 ms

Remote clock offset: 0.287 ms

Below is generated by plot.py at 2018-06-30 10:08:28

Datalink statistics

-- Total of 1 flow:

Average throughput: 89.47 Mbit/s

95th percentile per-packet one-way delay: 23.514 ms

Loss rate: 0.12%

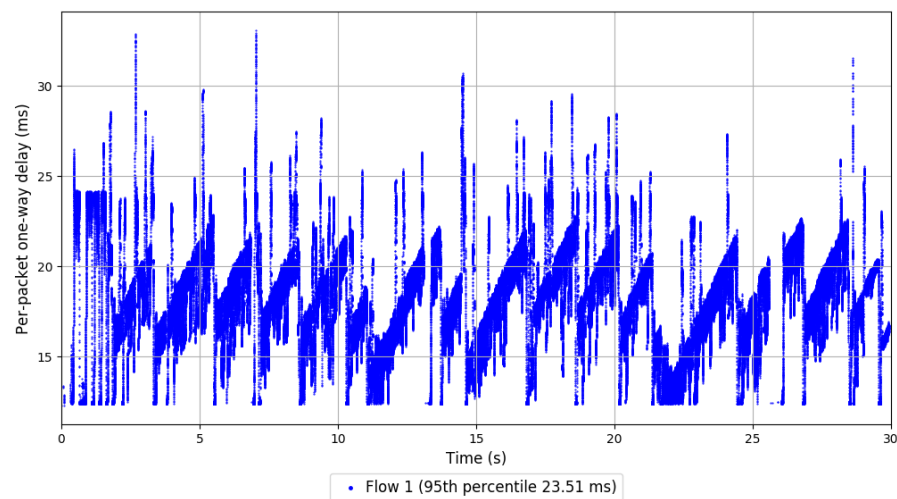
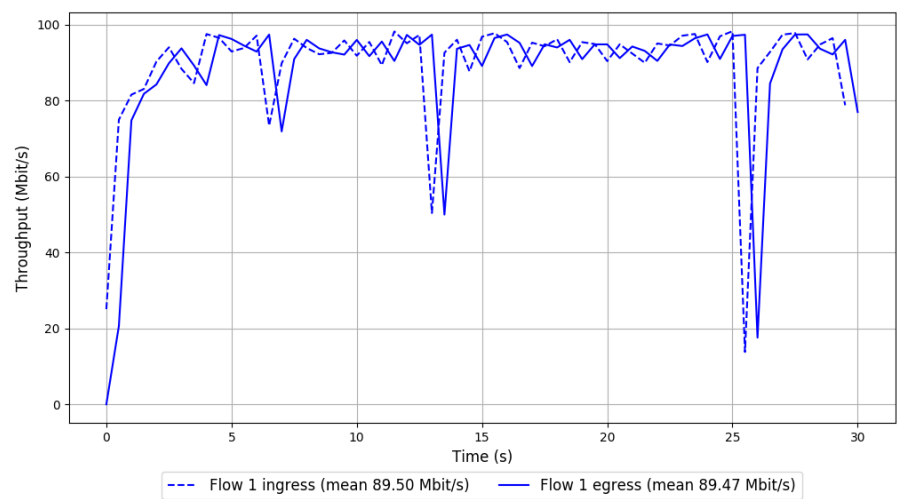
-- Flow 1:

Average throughput: 89.47 Mbit/s

95th percentile per-packet one-way delay: 23.514 ms

Loss rate: 0.12%

Run 8: Report of QUIC Cubic — Data Link



Run 9: Statistics of QUIC Cubic

Start at: 2018-06-30 09:26:12

End at: 2018-06-30 09:26:42

Local clock offset: -0.343 ms

Remote clock offset: -1.934 ms

Below is generated by plot.py at 2018-06-30 10:08:31

Datalink statistics

-- Total of 1 flow:

Average throughput: 90.96 Mbit/s

95th percentile per-packet one-way delay: 25.999 ms

Loss rate: 0.11%

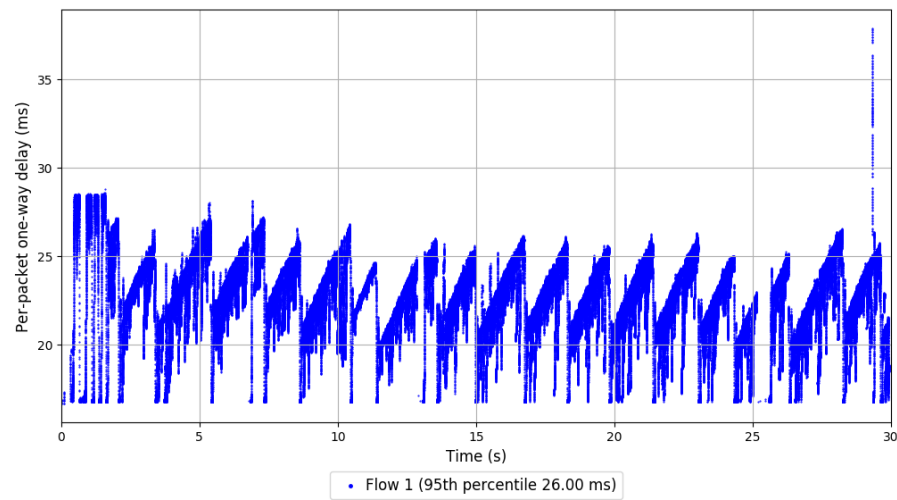
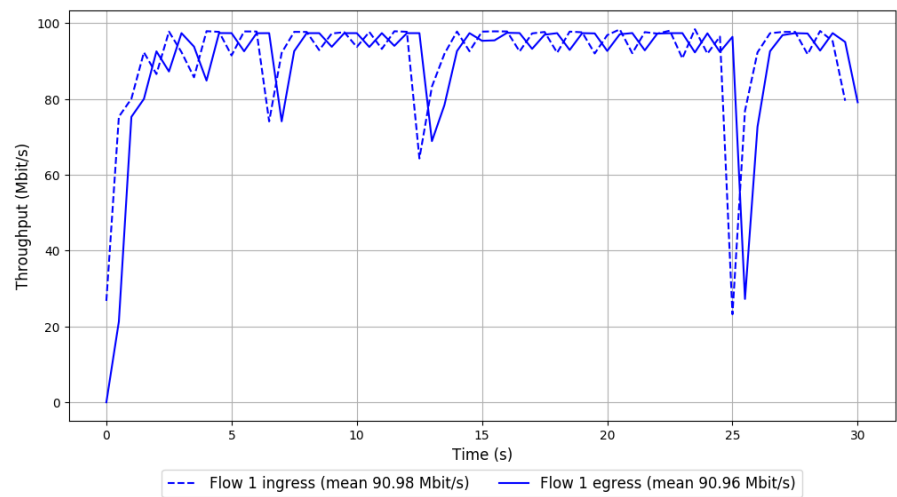
-- Flow 1:

Average throughput: 90.96 Mbit/s

95th percentile per-packet one-way delay: 25.999 ms

Loss rate: 0.11%

Run 9: Report of QUIC Cubic — Data Link



Run 10: Statistics of QUIC Cubic

Start at: 2018-06-30 09:45:53

End at: 2018-06-30 09:46:23

Local clock offset: -4.535 ms

Remote clock offset: -3.84 ms

Below is generated by plot.py at 2018-06-30 10:08:38

Datalink statistics

-- Total of 1 flow:

Average throughput: 90.20 Mbit/s

95th percentile per-packet one-way delay: 24.607 ms

Loss rate: 0.13%

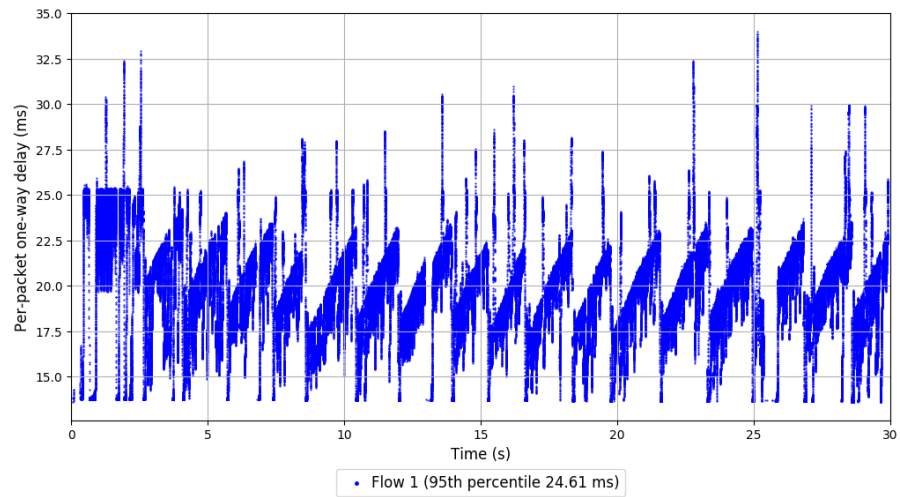
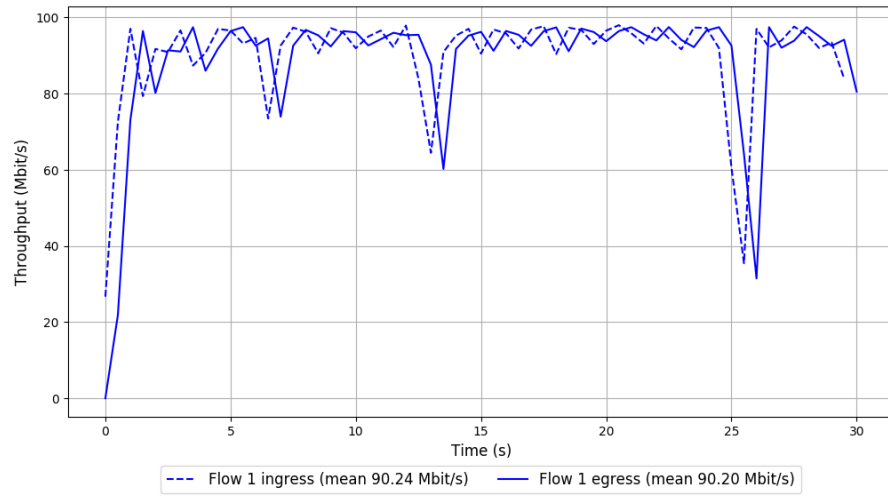
-- Flow 1:

Average throughput: 90.20 Mbit/s

95th percentile per-packet one-way delay: 24.607 ms

Loss rate: 0.13%

Run 10: Report of QUIC Cubic — Data Link

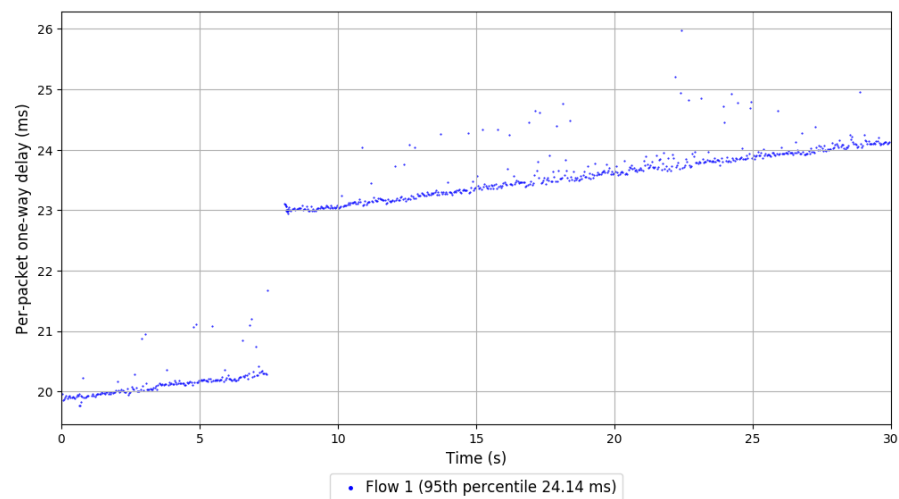
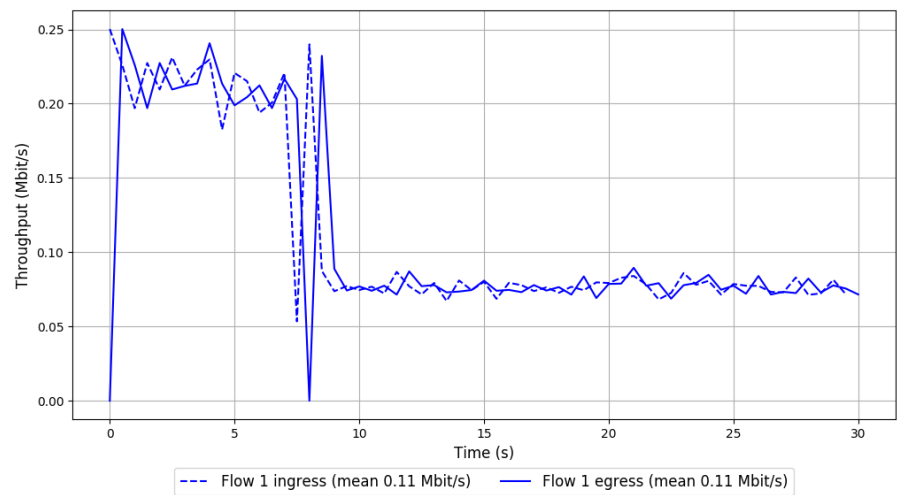


```
Run 1: Statistics of SCReAM

Start at: 2018-06-30 06:35:44
End at: 2018-06-30 06:36:14
Local clock offset: 2.708 ms
Remote clock offset: -25.313 ms

# Below is generated by plot.py at 2018-06-30 10:08:38
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.11 Mbit/s
95th percentile per-packet one-way delay: 24.135 ms
Loss rate: 1.13%
-- Flow 1:
Average throughput: 0.11 Mbit/s
95th percentile per-packet one-way delay: 24.135 ms
Loss rate: 1.13%
```


Run 1: Report of SReAM — Data Link



Run 2: Statistics of SCReAM

Start at: 2018-06-30 06:56:21

End at: 2018-06-30 06:56:51

Local clock offset: -1.018 ms

Remote clock offset: 6.017 ms

Below is generated by plot.py at 2018-06-30 10:08:38

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 18.462 ms

Loss rate: 0.13%

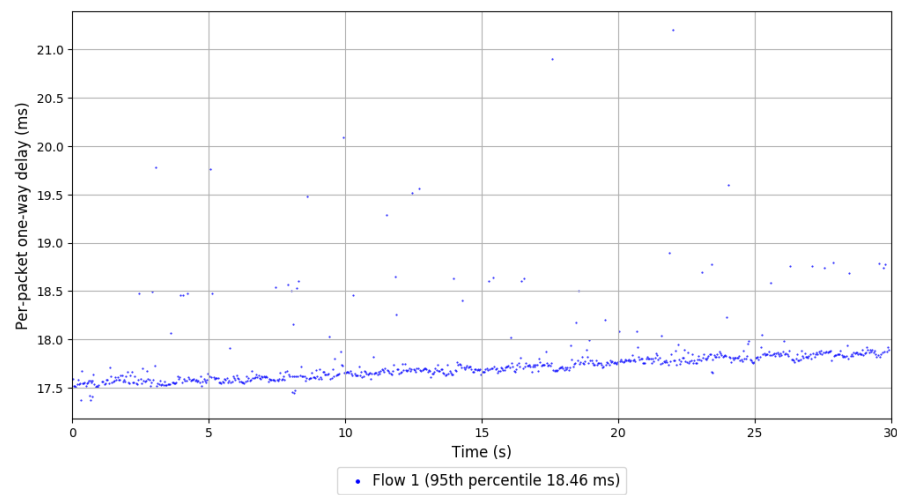
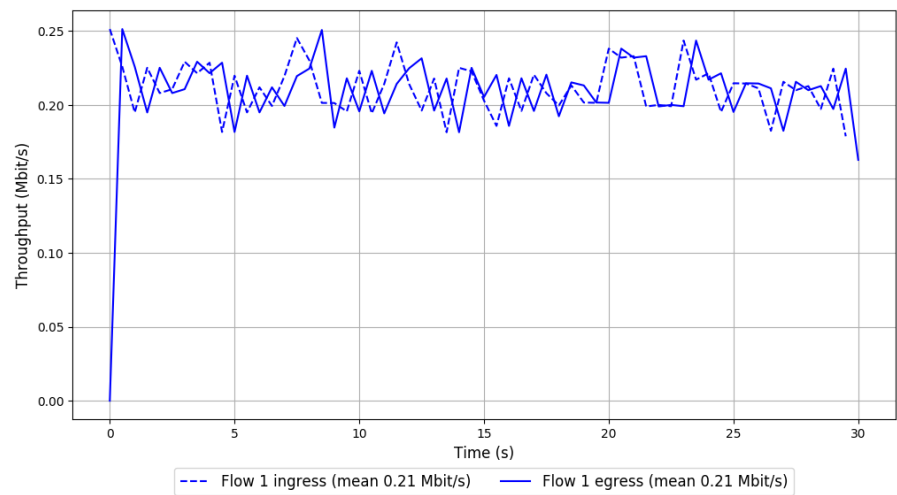
-- Flow 1:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 18.462 ms

Loss rate: 0.13%

Run 2: Report of SReAM — Data Link

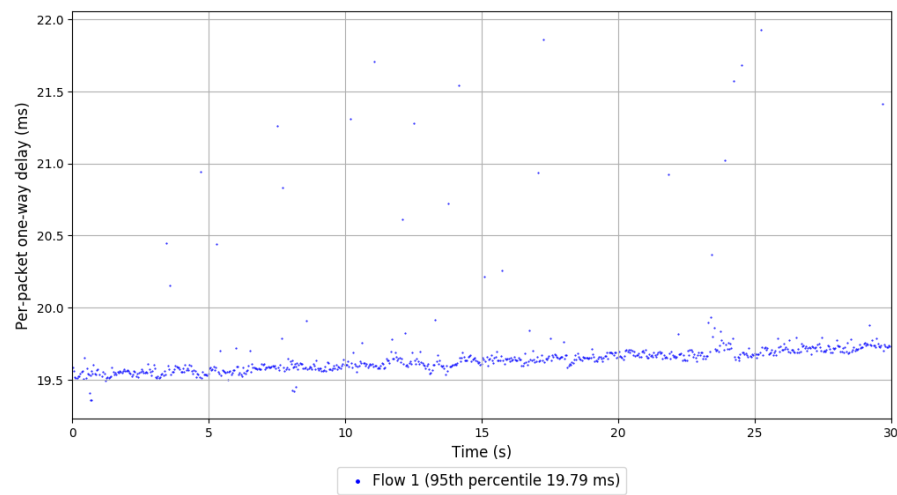
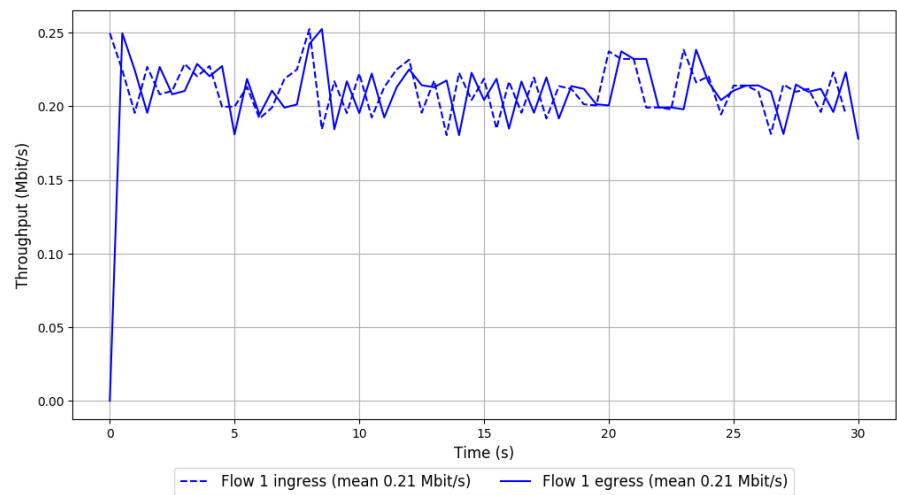


Run 3: Statistics of SCReAM

Start at: 2018-06-30 07:16:54
End at: 2018-06-30 07:17:24
Local clock offset: 0.216 ms
Remote clock offset: 16.819 ms

Below is generated by plot.py at 2018-06-30 10:08:38
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 19.786 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 19.786 ms
Loss rate: 0.13%

Run 3: Report of SReAM — Data Link

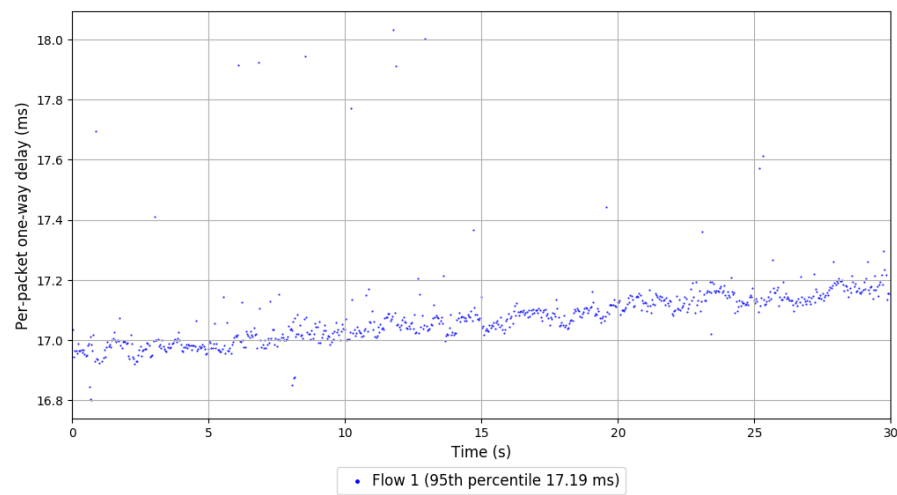
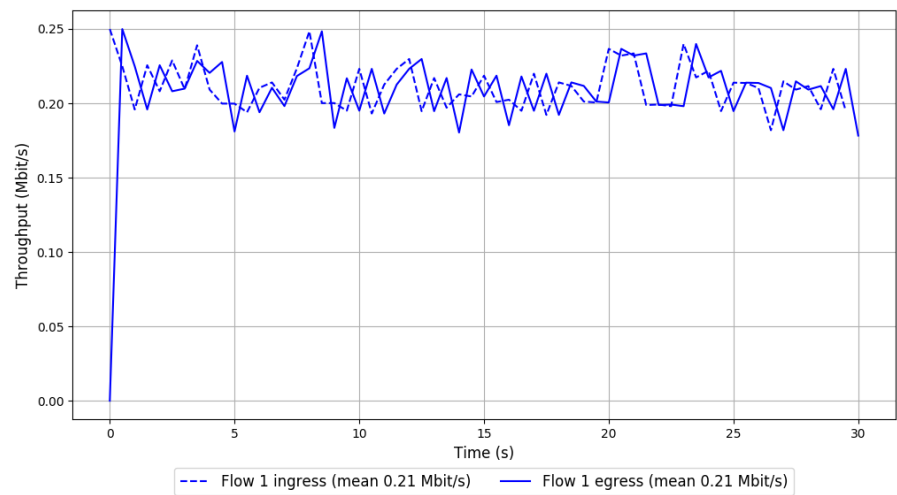


Run 4: Statistics of SCReAM

Start at: 2018-06-30 07:37:17
End at: 2018-06-30 07:37:47
Local clock offset: -2.014 ms
Remote clock offset: 26.203 ms

Below is generated by plot.py at 2018-06-30 10:08:38
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 17.193 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 17.193 ms
Loss rate: 0.13%

Run 4: Report of SReAM — Data Link



Run 5: Statistics of SCReAM

Start at: 2018-06-30 07:57:26

End at: 2018-06-30 07:57:56

Local clock offset: -1.478 ms

Remote clock offset: -3.51 ms

Below is generated by plot.py at 2018-06-30 10:08:38

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 15.726 ms

Loss rate: 0.13%

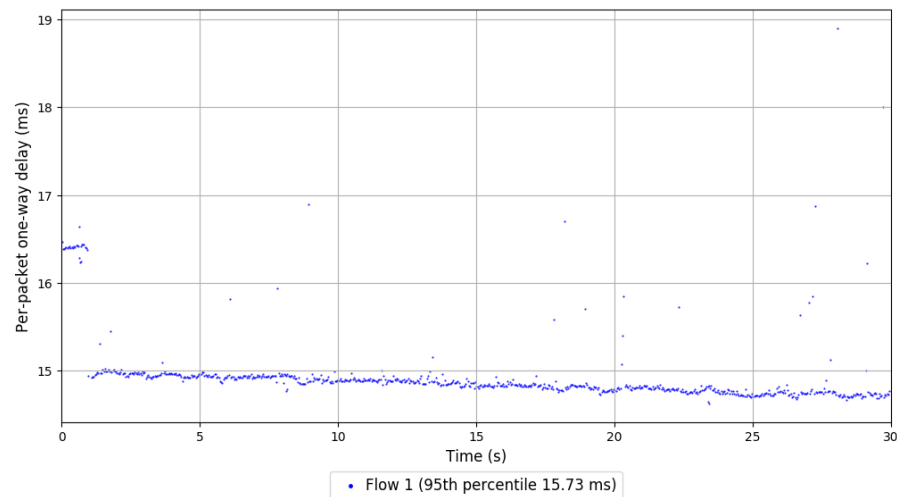
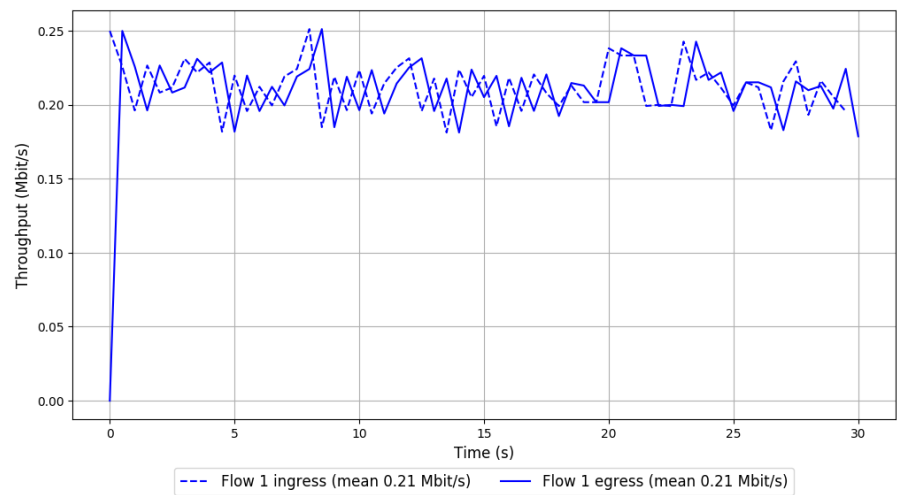
-- Flow 1:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 15.726 ms

Loss rate: 0.13%

Run 5: Report of SCRaM — Data Link

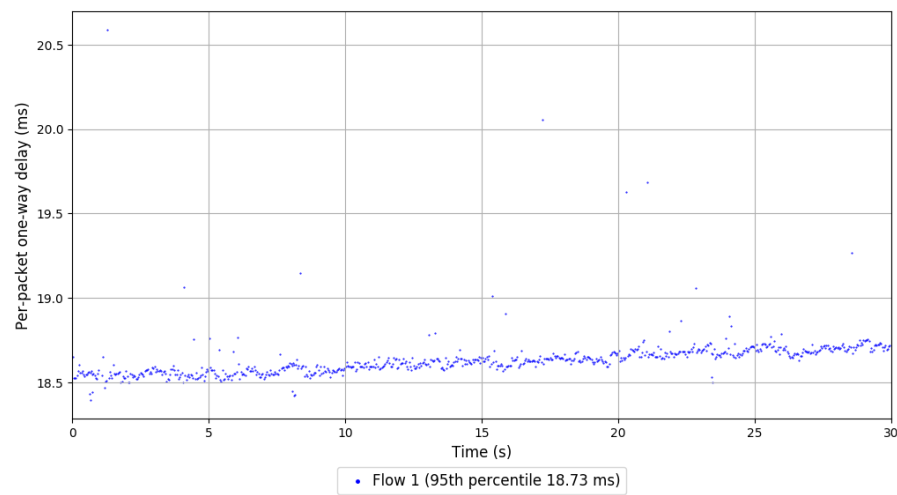
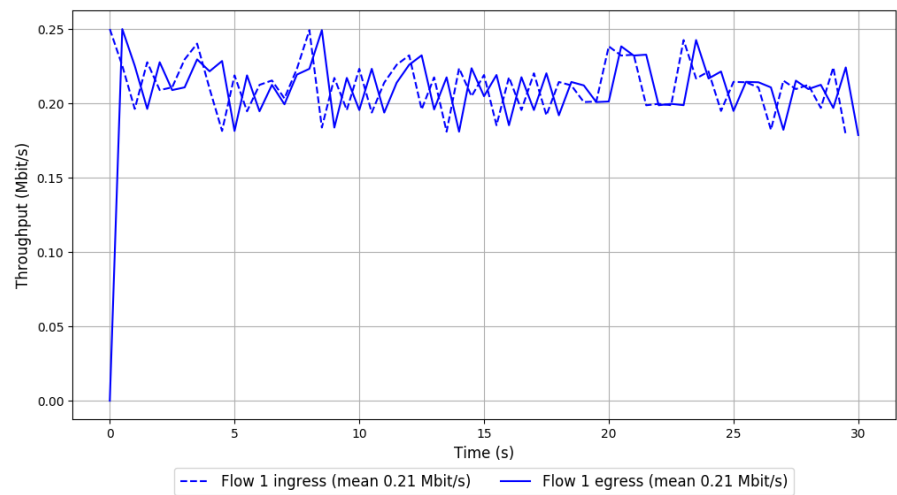


Run 6: Statistics of SCReAM

Start at: 2018-06-30 08:17:36
End at: 2018-06-30 08:18:06
Local clock offset: 1.738 ms
Remote clock offset: -5.041 ms

Below is generated by plot.py at 2018-06-30 10:08:38
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 18.729 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 18.729 ms
Loss rate: 0.00%

Run 6: Report of SReAM — Data Link

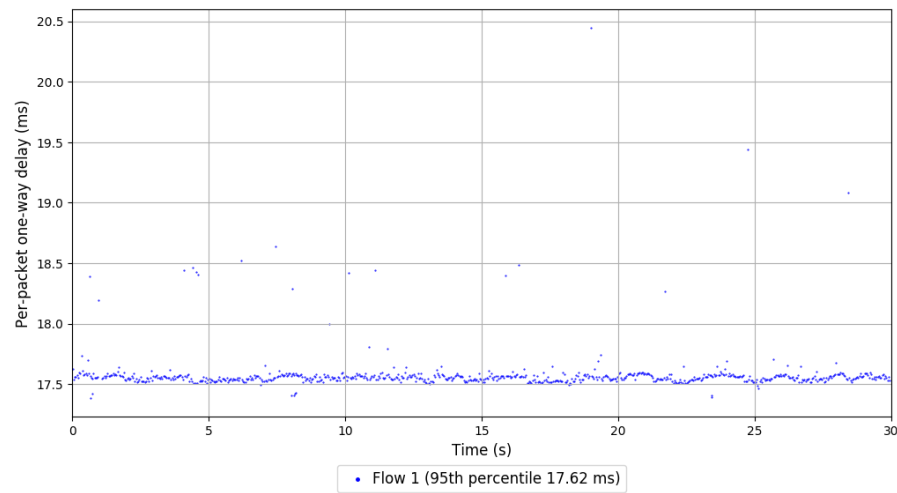
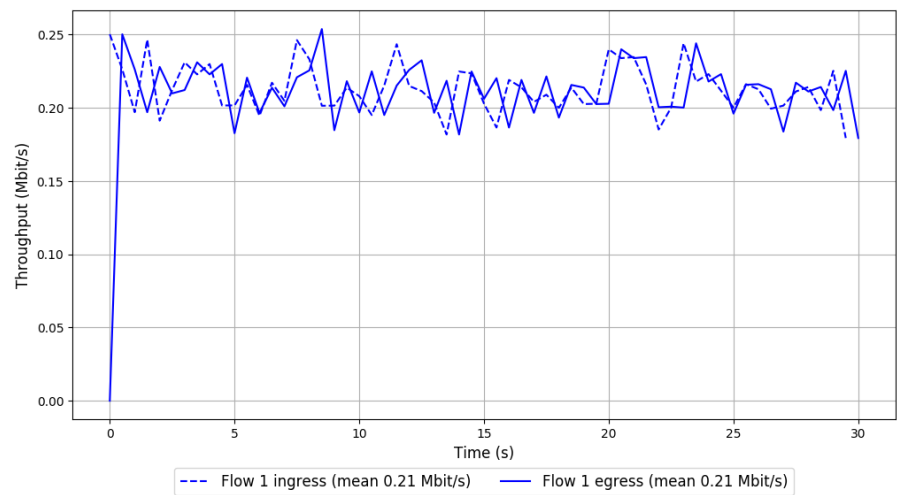


Run 7: Statistics of SCReAM

Start at: 2018-06-30 08:37:20
End at: 2018-06-30 08:37:51
Local clock offset: 1.984 ms
Remote clock offset: -0.938 ms

Below is generated by plot.py at 2018-06-30 10:08:38
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 17.624 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 17.624 ms
Loss rate: 0.00%

Run 7: Report of SReAM — Data Link



Run 8: Statistics of SCReAM

Start at: 2018-06-30 08:57:12

End at: 2018-06-30 08:57:42

Local clock offset: 1.103 ms

Remote clock offset: 1.062 ms

Below is generated by plot.py at 2018-06-30 10:08:38

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 15.056 ms

Loss rate: 0.13%

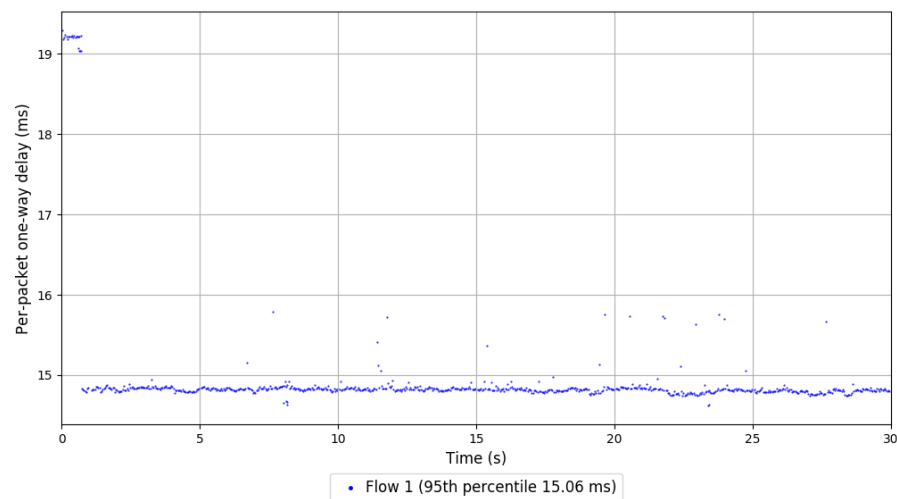
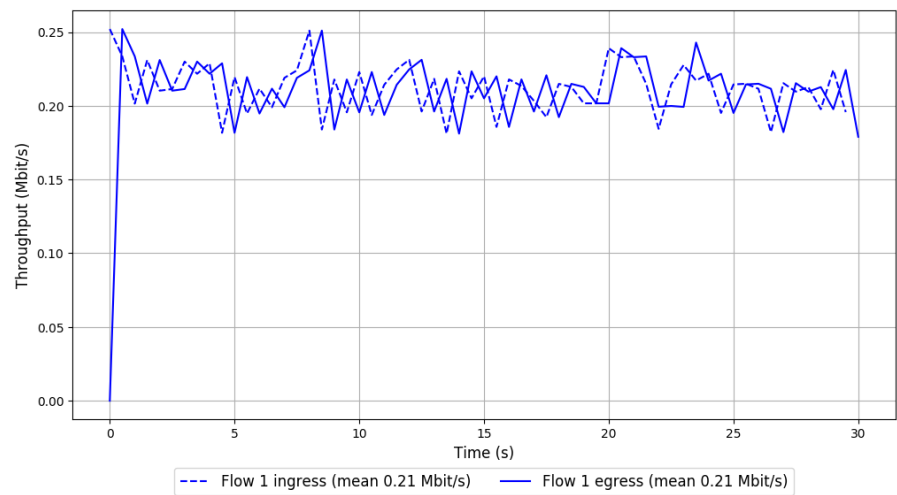
-- Flow 1:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 15.056 ms

Loss rate: 0.13%

Run 8: Report of SReAM — Data Link

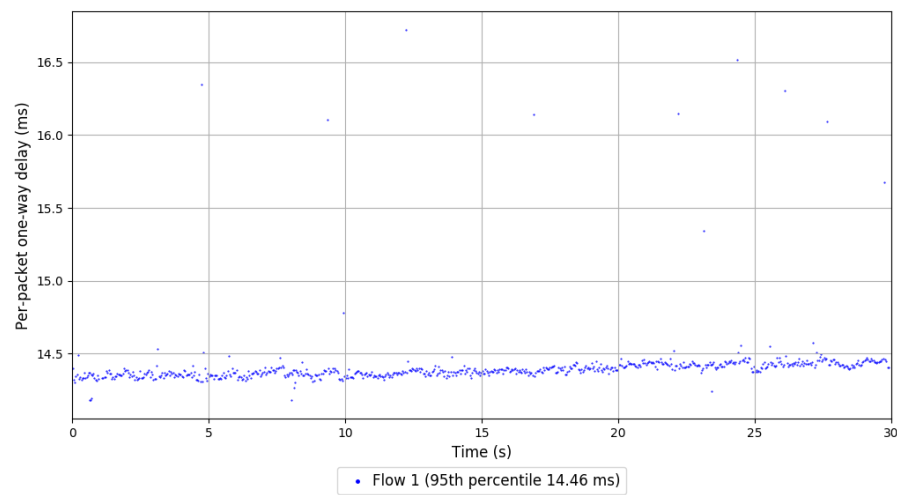
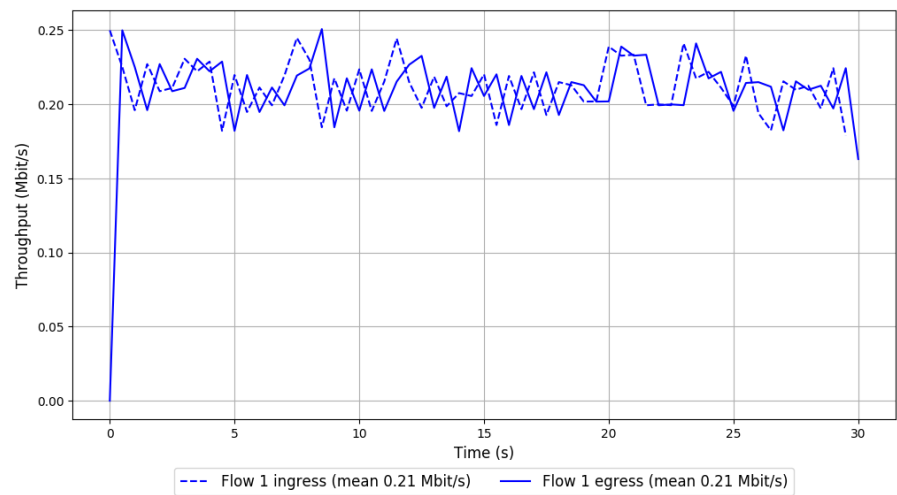


Run 9: Statistics of SCReAM

Start at: 2018-06-30 09:16:56
End at: 2018-06-30 09:17:26
Local clock offset: -0.796 ms
Remote clock offset: -0.401 ms

Below is generated by plot.py at 2018-06-30 10:08:38
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 14.464 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 14.464 ms
Loss rate: 0.13%

Run 9: Report of SReAM — Data Link



Run 10: Statistics of SReAM

Start at: 2018-06-30 09:36:33

End at: 2018-06-30 09:37:03

Local clock offset: -0.176 ms

Remote clock offset: -2.916 ms

Below is generated by plot.py at 2018-06-30 10:08:38

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 17.721 ms

Loss rate: 0.13%

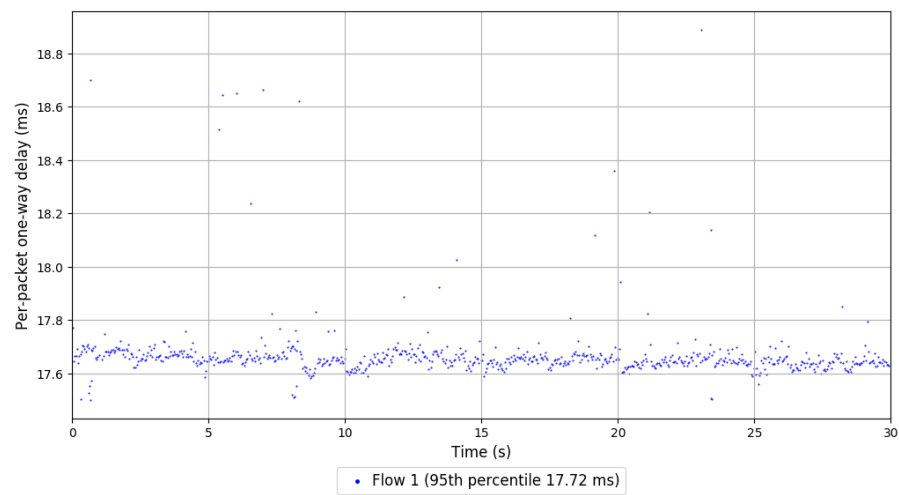
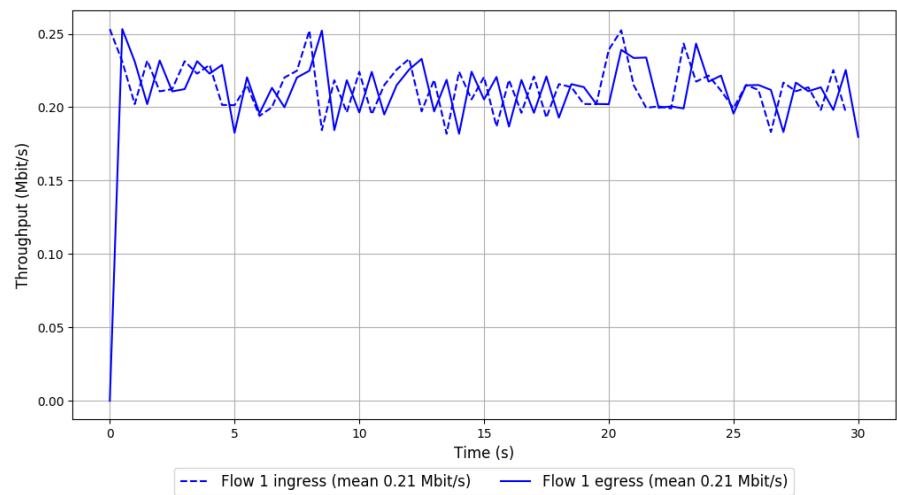
-- Flow 1:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 17.721 ms

Loss rate: 0.13%

Run 10: Report of SReAM — Data Link

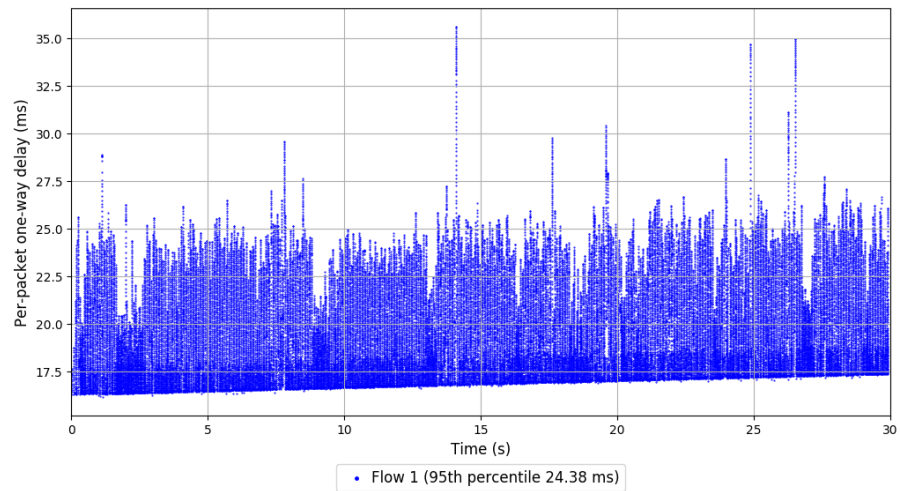
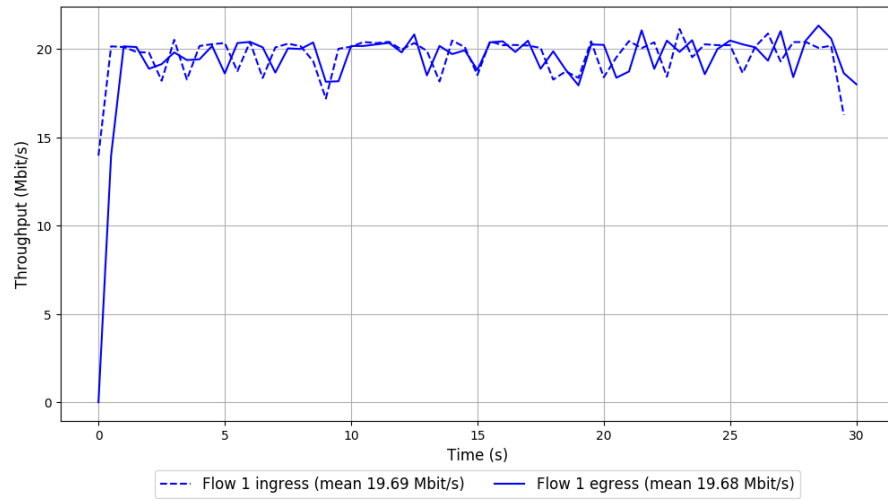


Run 1: Statistics of Sprout

Start at: 2018-06-30 06:39:28
End at: 2018-06-30 06:39:58
Local clock offset: 0.529 ms
Remote clock offset: -13.748 ms

Below is generated by plot.py at 2018-06-30 10:08:38
Datalink statistics
-- Total of 1 flow:
Average throughput: 19.68 Mbit/s
95th percentile per-packet one-way delay: 24.381 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 19.68 Mbit/s
95th percentile per-packet one-way delay: 24.381 ms
Loss rate: 0.00%

Run 1: Report of Sprout — Data Link

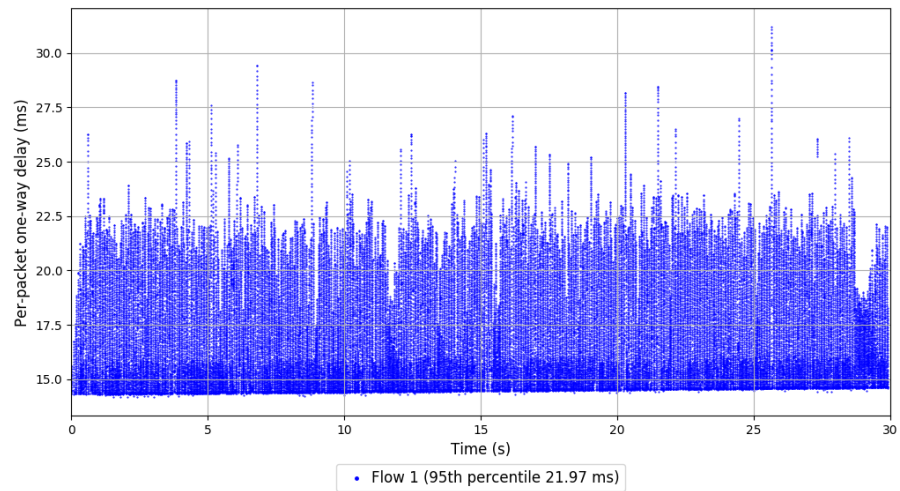
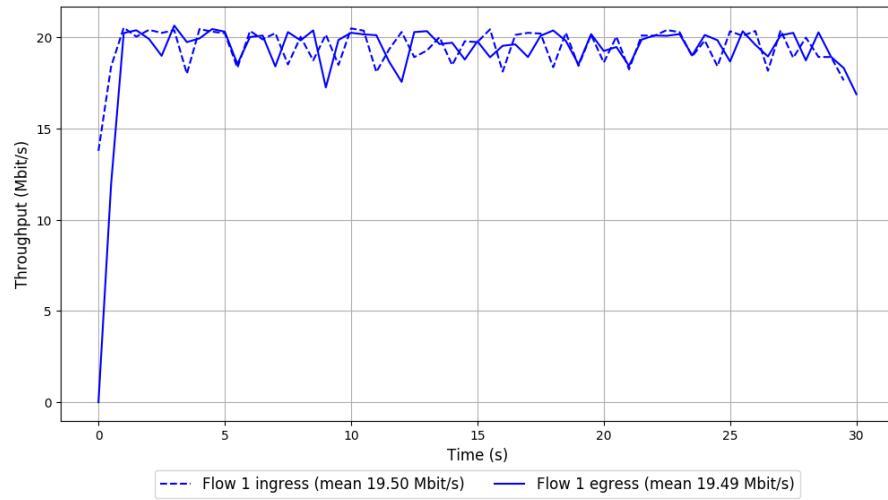


Run 2: Statistics of Sprout

Start at: 2018-06-30 06:59:56
End at: 2018-06-30 07:00:26
Local clock offset: -2.754 ms
Remote clock offset: 9.946 ms

Below is generated by plot.py at 2018-06-30 10:08:38
Datalink statistics
-- Total of 1 flow:
Average throughput: 19.49 Mbit/s
95th percentile per-packet one-way delay: 21.966 ms
Loss rate: 0.12%
-- Flow 1:
Average throughput: 19.49 Mbit/s
95th percentile per-packet one-way delay: 21.966 ms
Loss rate: 0.12%

Run 2: Report of Sprout — Data Link

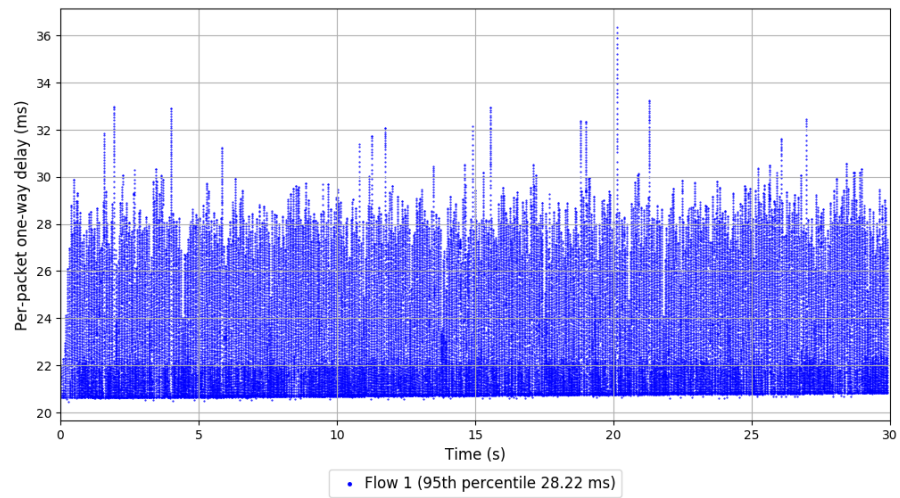
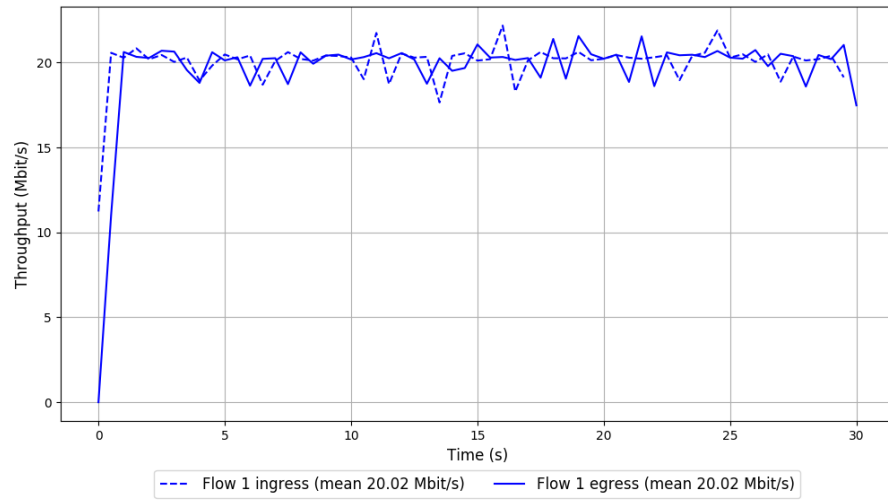


Run 3: Statistics of Sprout

Start at: 2018-06-30 07:20:30
End at: 2018-06-30 07:21:00
Local clock offset: 1.339 ms
Remote clock offset: 18.324 ms

Below is generated by plot.py at 2018-06-30 10:08:38
Datalink statistics
-- Total of 1 flow:
Average throughput: 20.02 Mbit/s
95th percentile per-packet one-way delay: 28.220 ms
Loss rate: 0.23%
-- Flow 1:
Average throughput: 20.02 Mbit/s
95th percentile per-packet one-way delay: 28.220 ms
Loss rate: 0.23%

Run 3: Report of Sprout — Data Link

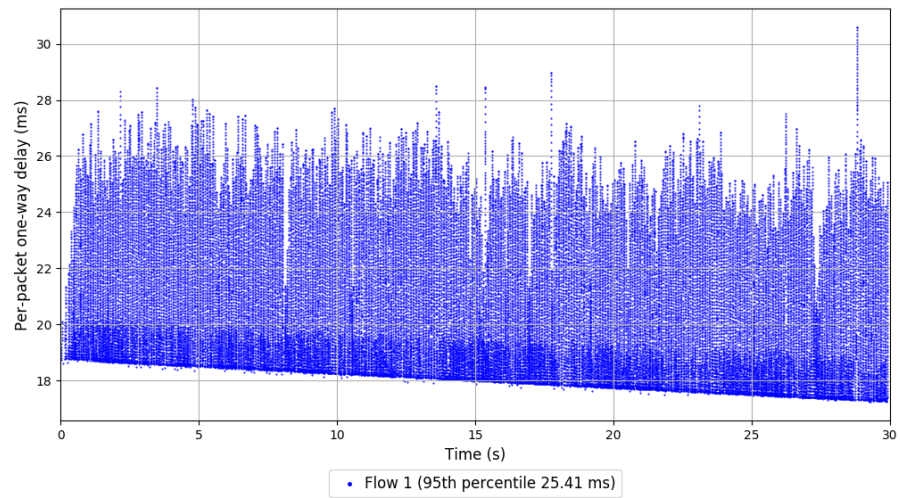
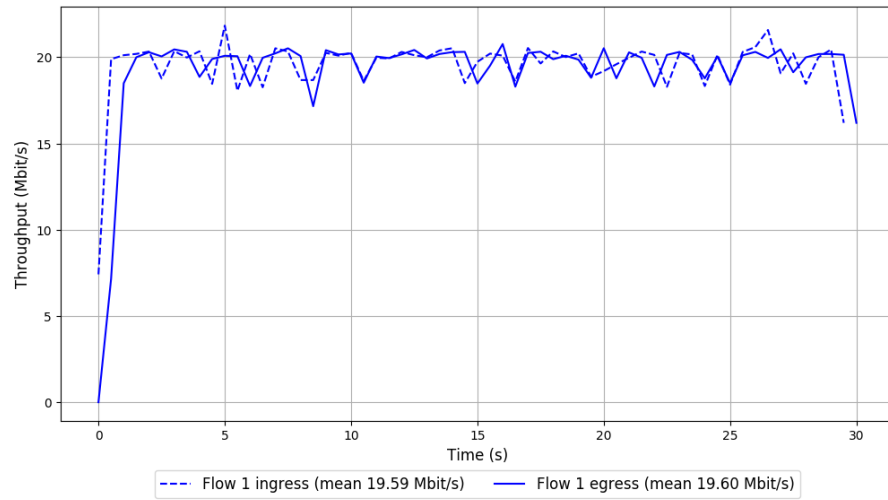


Run 4: Statistics of Sprout

Start at: 2018-06-30 07:40:47
End at: 2018-06-30 07:41:17
Local clock offset: 0.697 ms
Remote clock offset: 20.194 ms

Below is generated by plot.py at 2018-06-30 10:08:38
Datalink statistics
-- Total of 1 flow:
Average throughput: 19.60 Mbit/s
95th percentile per-packet one-way delay: 25.413 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 19.60 Mbit/s
95th percentile per-packet one-way delay: 25.413 ms
Loss rate: 0.03%

Run 4: Report of Sprout — Data Link

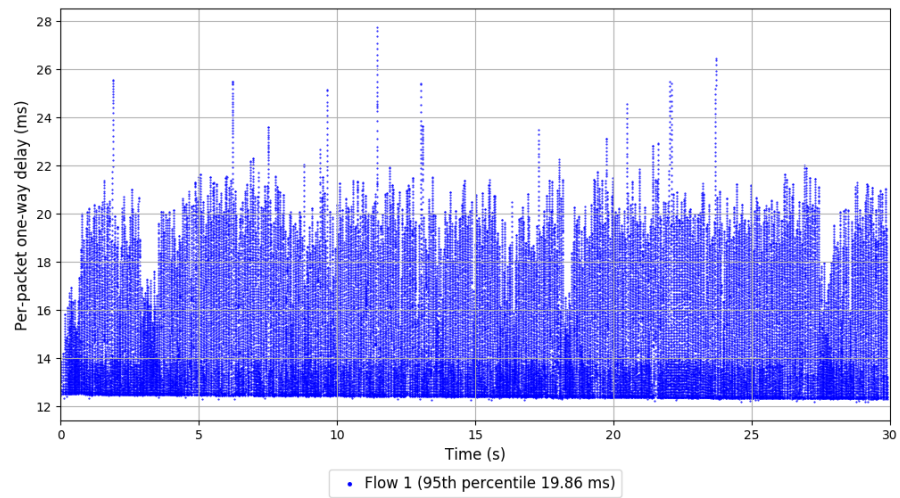
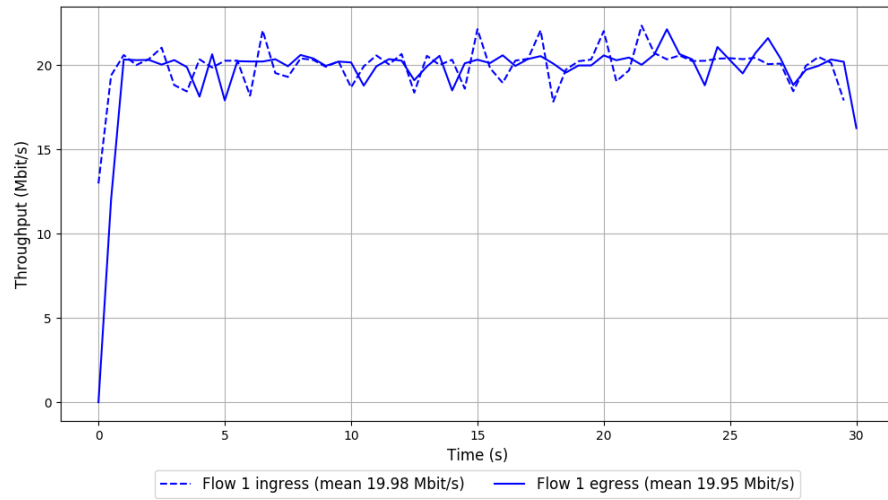


Run 5: Statistics of Sprout

Start at: 2018-06-30 08:00:58
End at: 2018-06-30 08:01:29
Local clock offset: -4.992 ms
Remote clock offset: -4.757 ms

Below is generated by plot.py at 2018-06-30 10:08:38
Datalink statistics
-- Total of 1 flow:
Average throughput: 19.95 Mbit/s
95th percentile per-packet one-way delay: 19.862 ms
Loss rate: 0.14%
-- Flow 1:
Average throughput: 19.95 Mbit/s
95th percentile per-packet one-way delay: 19.862 ms
Loss rate: 0.14%

Run 5: Report of Sprout — Data Link



Run 6: Statistics of Sprout

Start at: 2018-06-30 08:21:09

End at: 2018-06-30 08:21:39

Local clock offset: 1.875 ms

Remote clock offset: -3.0 ms

Below is generated by plot.py at 2018-06-30 10:08:38

Datalink statistics

-- Total of 1 flow:

Average throughput: 20.20 Mbit/s

95th percentile per-packet one-way delay: 25.273 ms

Loss rate: 0.16%

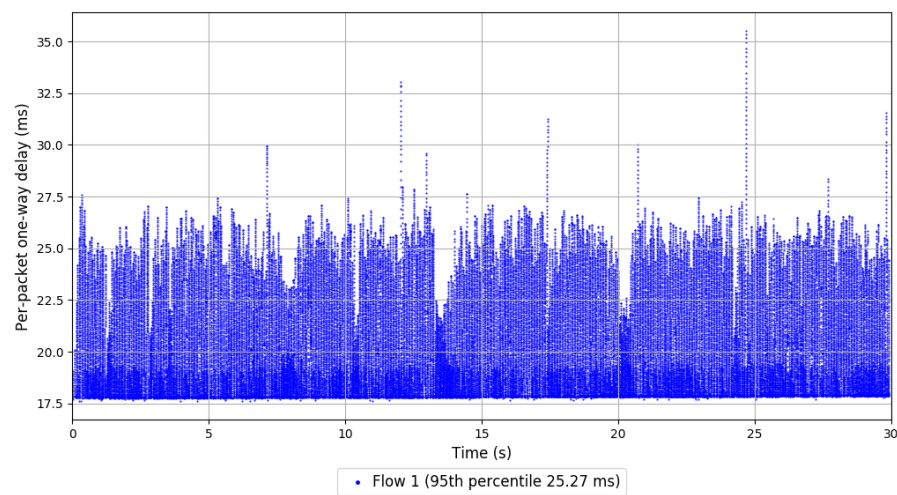
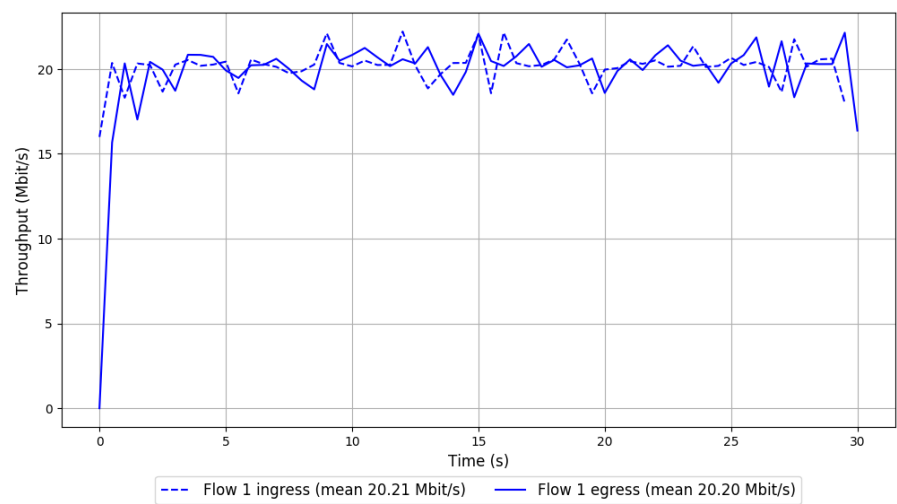
-- Flow 1:

Average throughput: 20.20 Mbit/s

95th percentile per-packet one-way delay: 25.273 ms

Loss rate: 0.16%

Run 6: Report of Sprout — Data Link

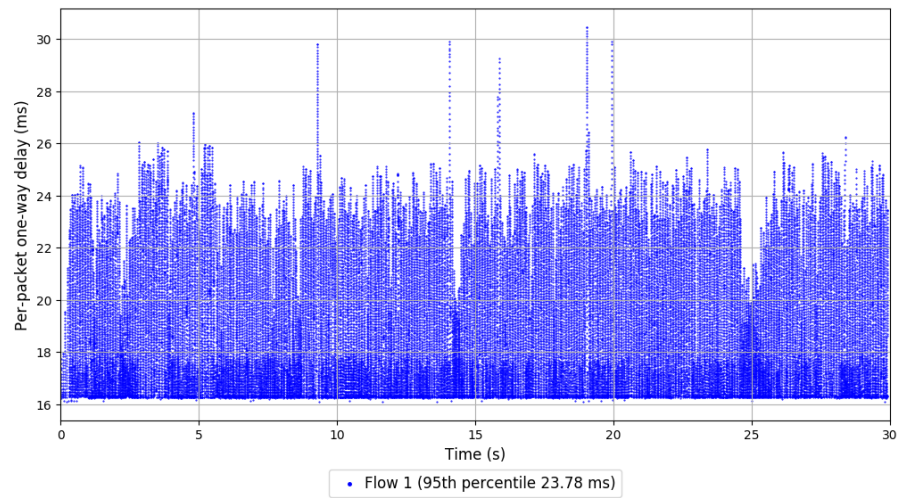
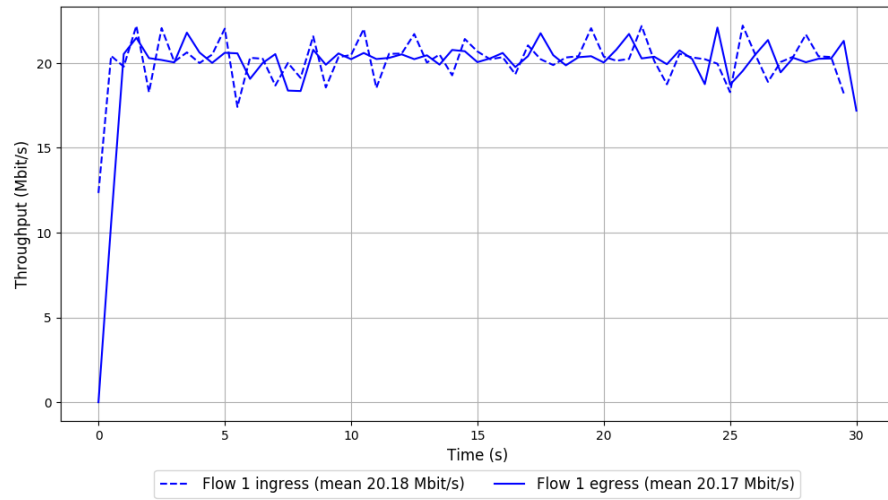


Run 7: Statistics of Sprout

Start at: 2018-06-30 08:40:57
End at: 2018-06-30 08:41:27
Local clock offset: 1.314 ms
Remote clock offset: -0.202 ms

Below is generated by plot.py at 2018-06-30 10:08:38
Datalink statistics
-- Total of 1 flow:
Average throughput: 20.17 Mbit/s
95th percentile per-packet one-way delay: 23.776 ms
Loss rate: 0.16%
-- Flow 1:
Average throughput: 20.17 Mbit/s
95th percentile per-packet one-way delay: 23.776 ms
Loss rate: 0.16%

Run 7: Report of Sprout — Data Link



Run 8: Statistics of Sprout

Start at: 2018-06-30 09:00:42

End at: 2018-06-30 09:01:12

Local clock offset: 2.128 ms

Remote clock offset: 0.064 ms

Below is generated by plot.py at 2018-06-30 10:08:38

Datalink statistics

-- Total of 1 flow:

Average throughput: 20.22 Mbit/s

95th percentile per-packet one-way delay: 24.219 ms

Loss rate: 0.14%

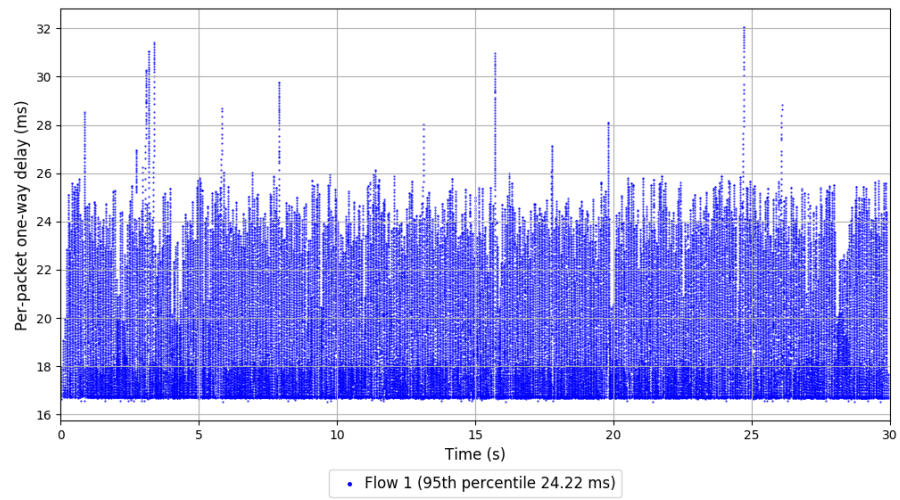
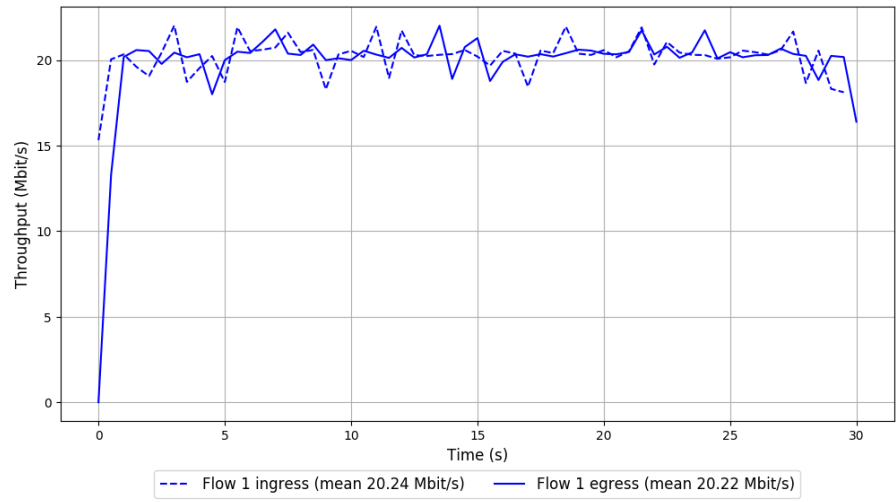
-- Flow 1:

Average throughput: 20.22 Mbit/s

95th percentile per-packet one-way delay: 24.219 ms

Loss rate: 0.14%

Run 8: Report of Sprout — Data Link

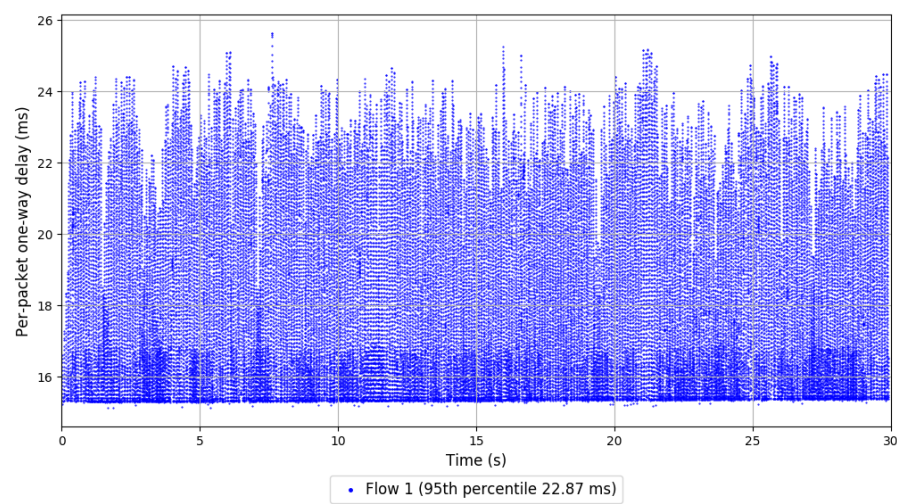
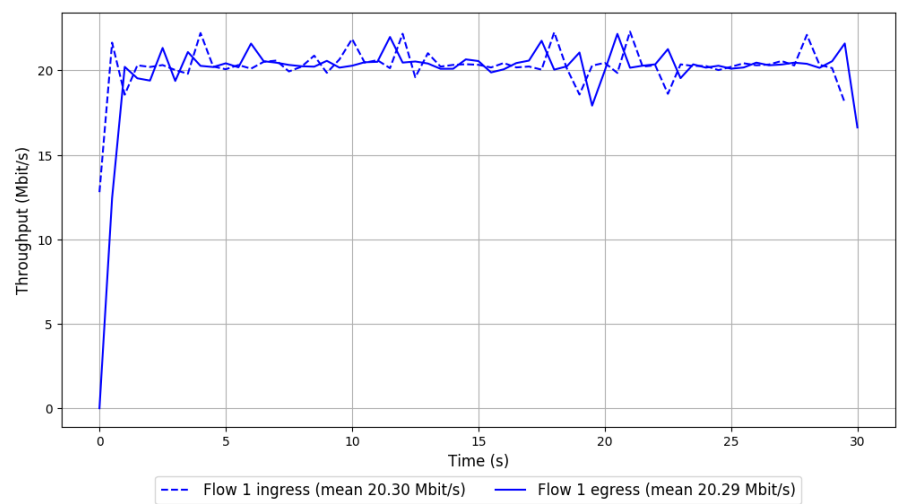


Run 9: Statistics of Sprout

Start at: 2018-06-30 09:20:21
End at: 2018-06-30 09:20:51
Local clock offset: -1.204 ms
Remote clock offset: -1.079 ms

Below is generated by plot.py at 2018-06-30 10:08:38
Datalink statistics
-- Total of 1 flow:
Average throughput: 20.29 Mbit/s
95th percentile per-packet one-way delay: 22.867 ms
Loss rate: 0.14%
-- Flow 1:
Average throughput: 20.29 Mbit/s
95th percentile per-packet one-way delay: 22.867 ms
Loss rate: 0.14%

Run 9: Report of Sprout — Data Link

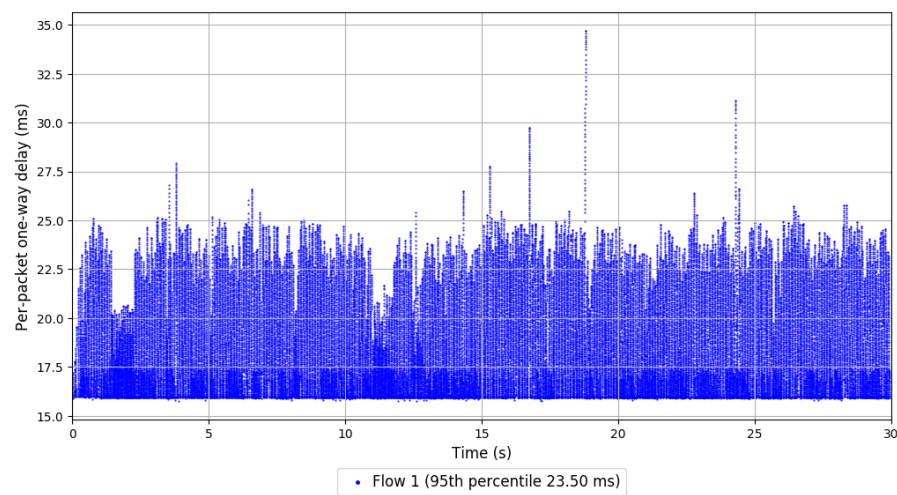
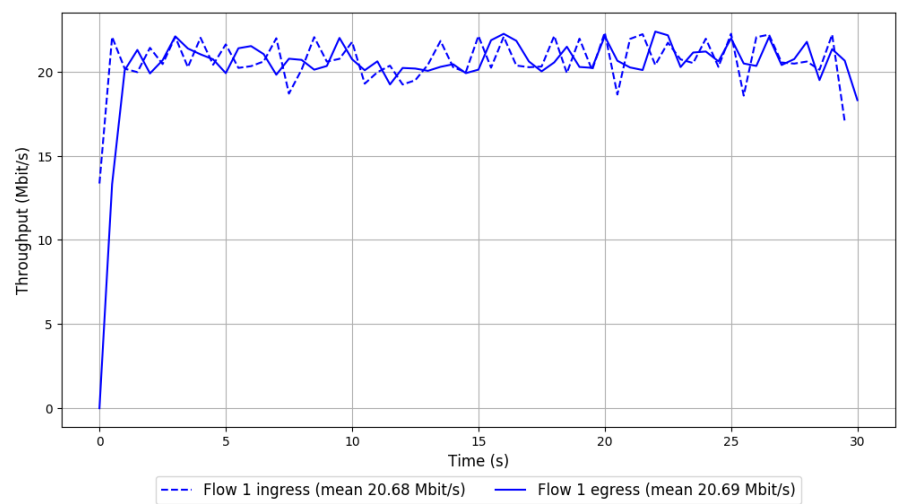


Run 10: Statistics of Sprout

Start at: 2018-06-30 09:40:00
End at: 2018-06-30 09:40:30
Local clock offset: -1.728 ms
Remote clock offset: -2.868 ms

Below is generated by plot.py at 2018-06-30 10:08:38
Datalink statistics
-- Total of 1 flow:
Average throughput: 20.69 Mbit/s
95th percentile per-packet one-way delay: 23.505 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 20.69 Mbit/s
95th percentile per-packet one-way delay: 23.505 ms
Loss rate: 0.04%

Run 10: Report of Sprout — Data Link

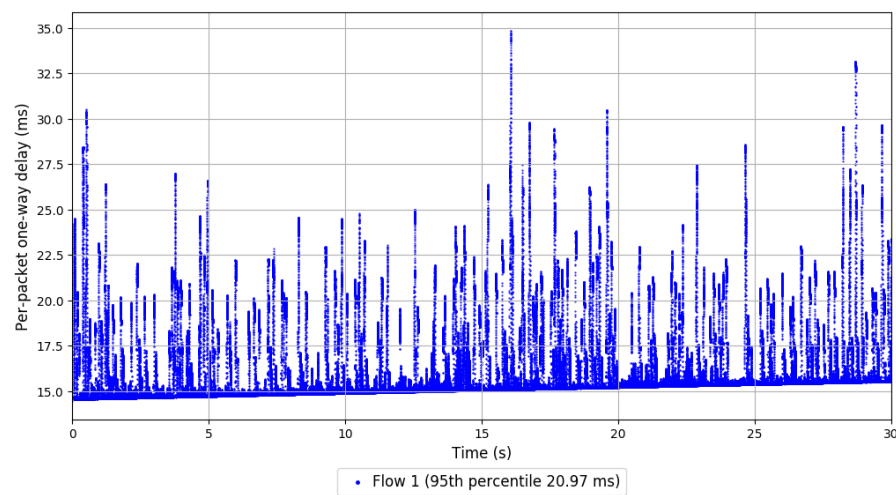
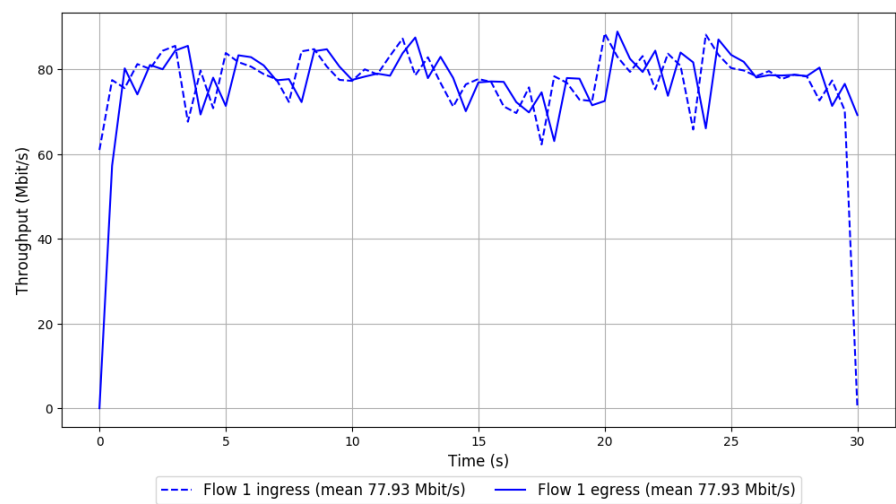


Run 1: Statistics of TaoVA-100x

Start at: 2018-06-30 06:40:33
End at: 2018-06-30 06:41:04
Local clock offset: -1.806 ms
Remote clock offset: -12.019 ms

Below is generated by plot.py at 2018-06-30 10:09:59
Datalink statistics
-- Total of 1 flow:
Average throughput: 77.93 Mbit/s
95th percentile per-packet one-way delay: 20.971 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 77.93 Mbit/s
95th percentile per-packet one-way delay: 20.971 ms
Loss rate: 0.09%

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



Run 2: Statistics of TaoVA-100x

Start at: 2018-06-30 07:01:02

End at: 2018-06-30 07:01:32

Local clock offset: -2.512 ms

Remote clock offset: 9.077 ms

Below is generated by plot.py at 2018-06-30 10:10:04

Datalink statistics

-- Total of 1 flow:

Average throughput: 77.67 Mbit/s

95th percentile per-packet one-way delay: 22.474 ms

Loss rate: 0.10%

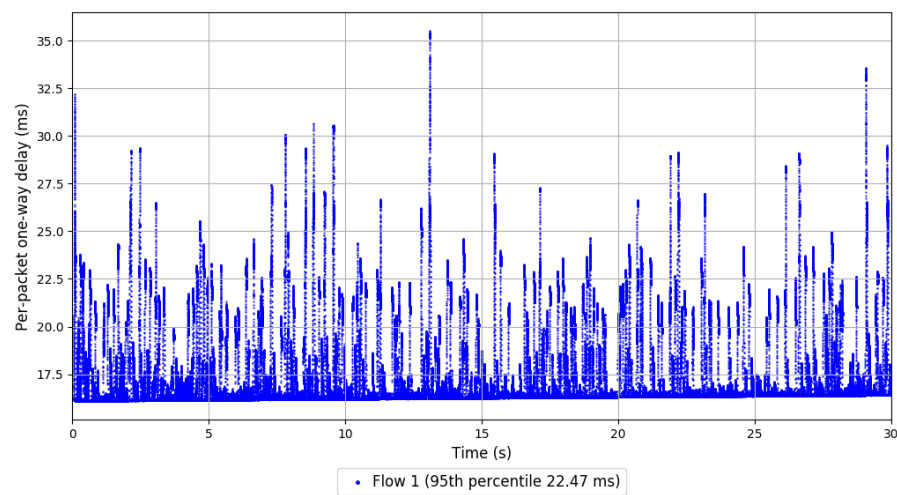
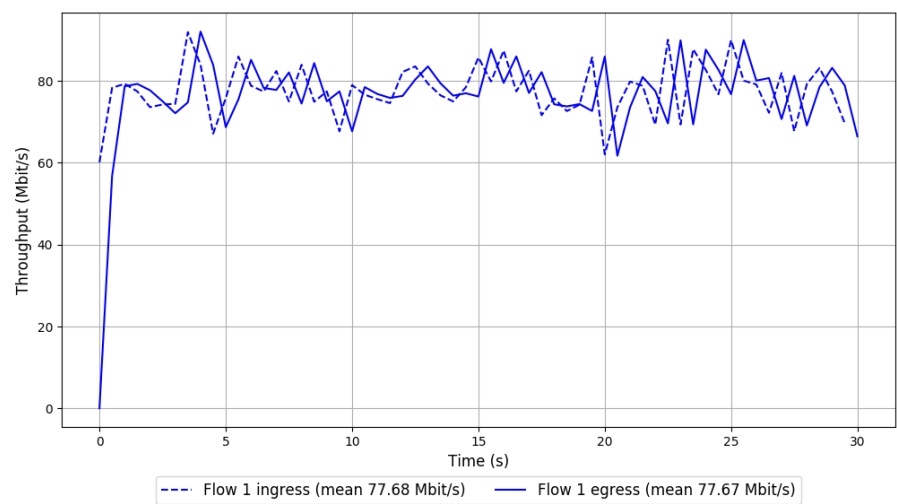
-- Flow 1:

Average throughput: 77.67 Mbit/s

95th percentile per-packet one-way delay: 22.474 ms

Loss rate: 0.10%

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



Run 3: Statistics of TaoVA-100x

Start at: 2018-06-30 07:21:36

End at: 2018-06-30 07:22:06

Local clock offset: 0.114 ms

Remote clock offset: 17.363 ms

Below is generated by plot.py at 2018-06-30 10:10:10

Datalink statistics

-- Total of 1 flow:

Average throughput: 81.54 Mbit/s

95th percentile per-packet one-way delay: 26.111 ms

Loss rate: 0.09%

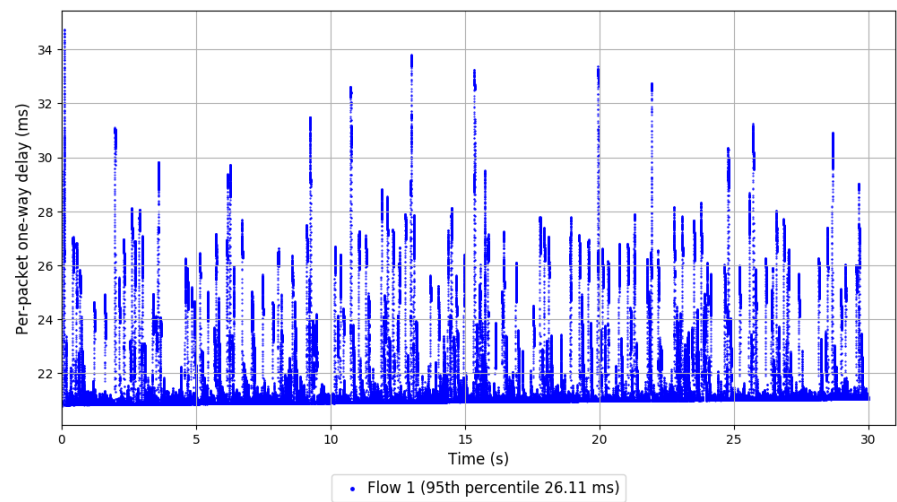
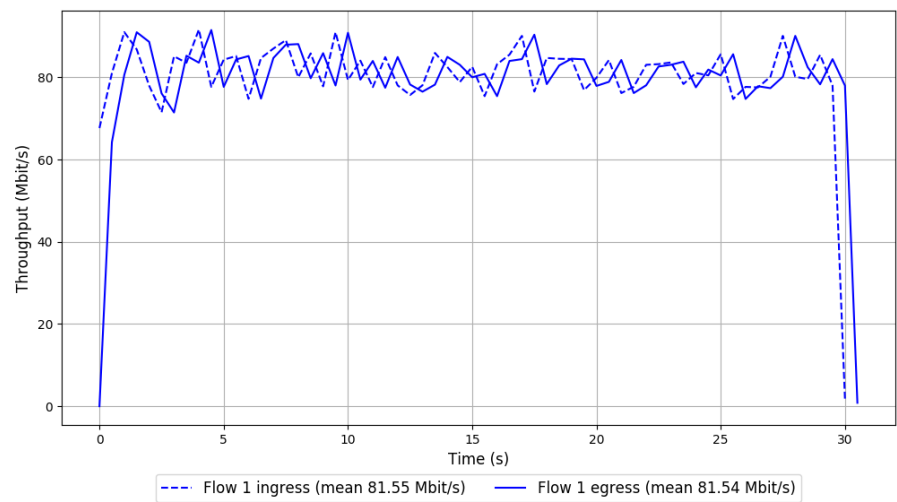
-- Flow 1:

Average throughput: 81.54 Mbit/s

95th percentile per-packet one-way delay: 26.111 ms

Loss rate: 0.09%

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

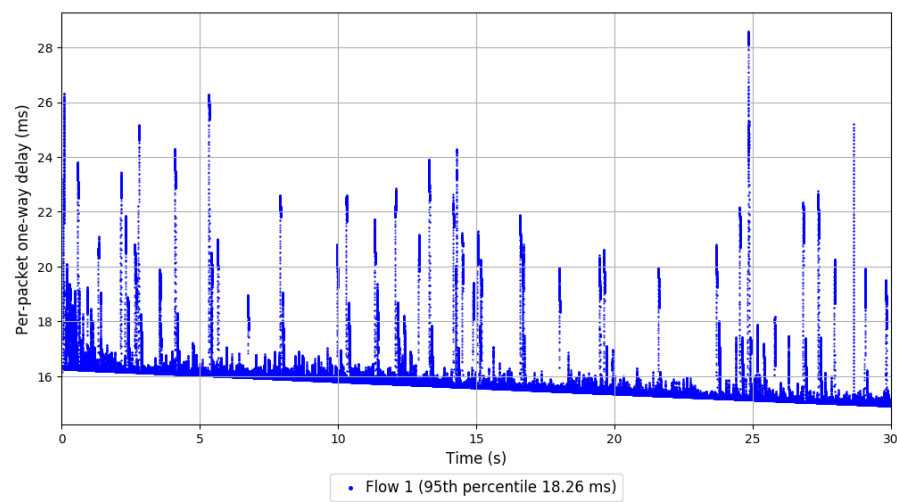
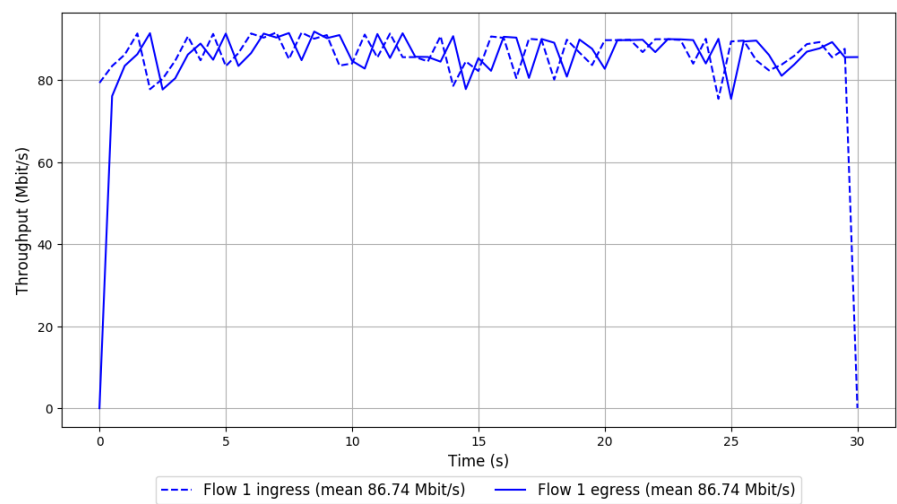


Run 4: Statistics of TaoVA-100x

Start at: 2018-06-30 07:41:53
End at: 2018-06-30 07:42:23
Local clock offset: -1.385 ms
Remote clock offset: 17.392 ms

Below is generated by plot.py at 2018-06-30 10:10:18
Datalink statistics
-- Total of 1 flow:
Average throughput: 86.74 Mbit/s
95th percentile per-packet one-way delay: 18.263 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 86.74 Mbit/s
95th percentile per-packet one-way delay: 18.263 ms
Loss rate: 0.09%

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



Run 5: Statistics of TaoVA-100x

Start at: 2018-06-30 08:02:06

End at: 2018-06-30 08:02:36

Local clock offset: -3.69 ms

Remote clock offset: -5.086 ms

Below is generated by plot.py at 2018-06-30 10:10:18

Datalink statistics

-- Total of 1 flow:

Average throughput: 79.04 Mbit/s

95th percentile per-packet one-way delay: 18.508 ms

Loss rate: 0.08%

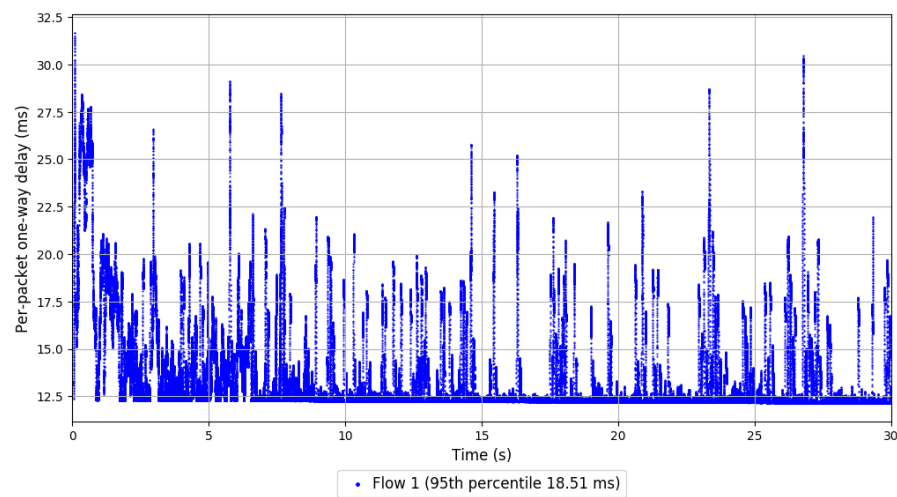
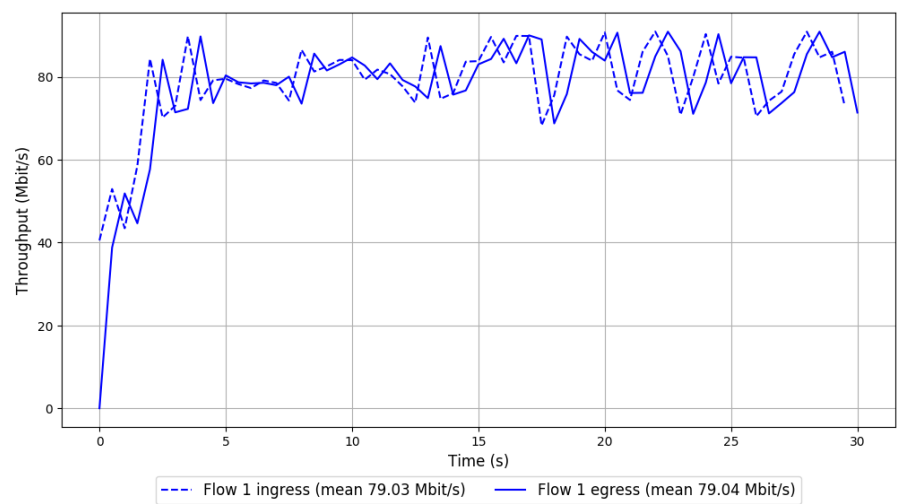
-- Flow 1:

Average throughput: 79.04 Mbit/s

95th percentile per-packet one-way delay: 18.508 ms

Loss rate: 0.08%

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



Run 6: Statistics of TaoVA-100x

Start at: 2018-06-30 08:22:15

End at: 2018-06-30 08:22:45

Local clock offset: 2.17 ms

Remote clock offset: -2.025 ms

Below is generated by plot.py at 2018-06-30 10:10:18

Datalink statistics

-- Total of 1 flow:

Average throughput: 81.35 Mbit/s

95th percentile per-packet one-way delay: 23.504 ms

Loss rate: 0.10%

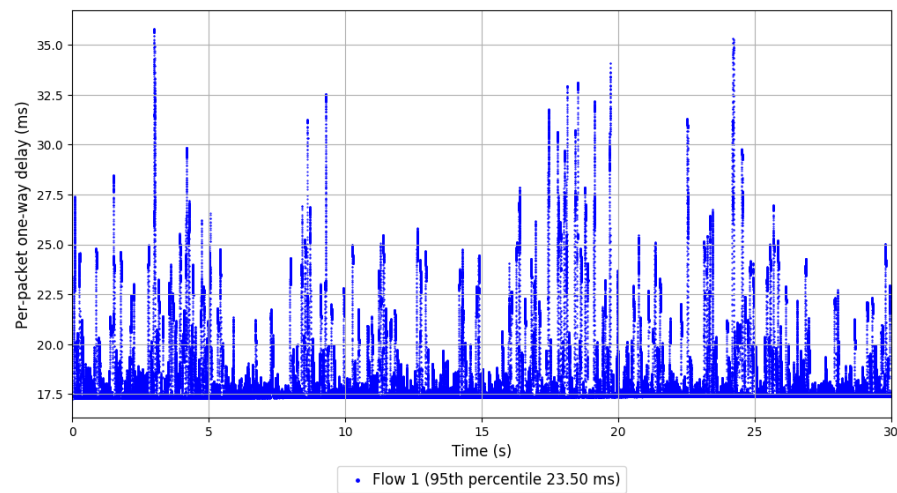
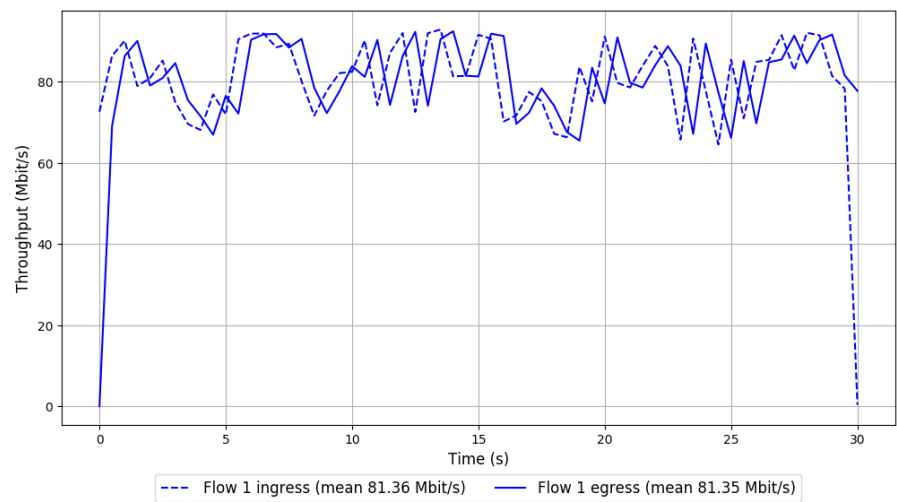
-- Flow 1:

Average throughput: 81.35 Mbit/s

95th percentile per-packet one-way delay: 23.504 ms

Loss rate: 0.10%

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



Run 7: Statistics of TaoVA-100x

Start at: 2018-06-30 08:42:03

End at: 2018-06-30 08:42:33

Local clock offset: 0.582 ms

Remote clock offset: -0.556 ms

Below is generated by plot.py at 2018-06-30 10:10:18

Datalink statistics

-- Total of 1 flow:

Average throughput: 85.34 Mbit/s

95th percentile per-packet one-way delay: 19.363 ms

Loss rate: 0.08%

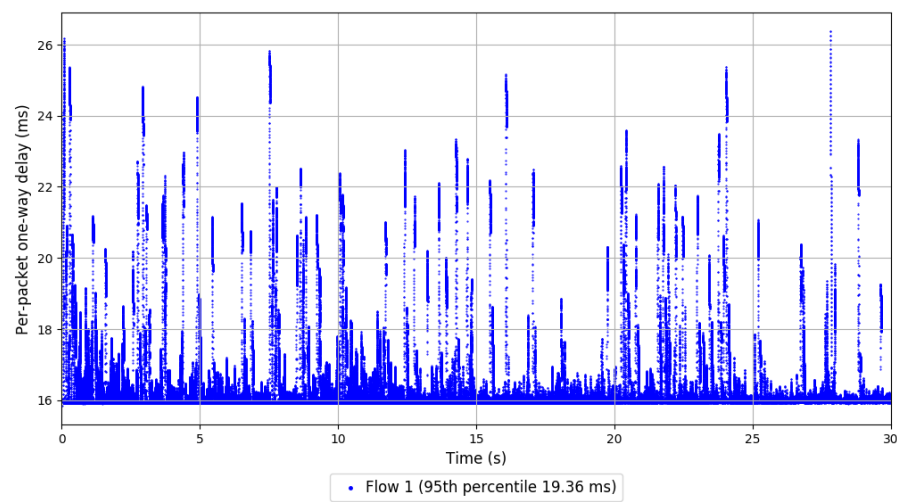
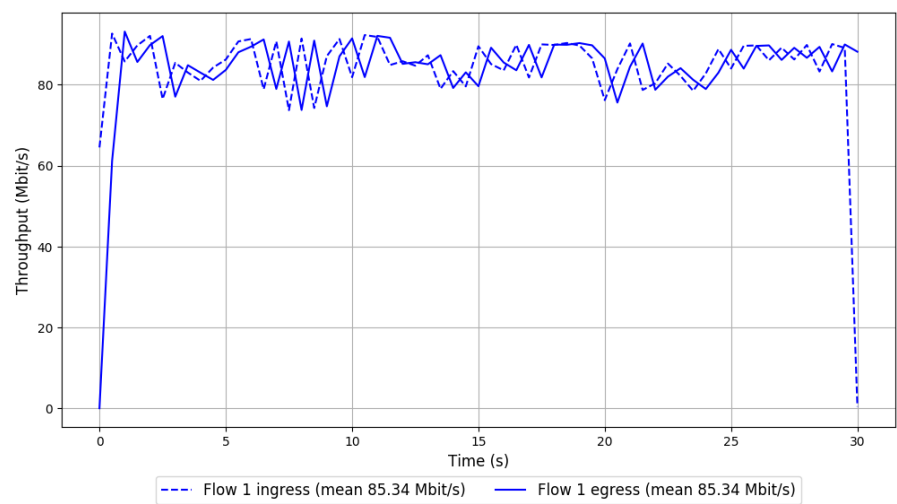
-- Flow 1:

Average throughput: 85.34 Mbit/s

95th percentile per-packet one-way delay: 19.363 ms

Loss rate: 0.08%

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



Run 8: Statistics of TaoVA-100x

Start at: 2018-06-30 09:01:48

End at: 2018-06-30 09:02:18

Local clock offset: 0.846 ms

Remote clock offset: 0.219 ms

Below is generated by plot.py at 2018-06-30 10:10:27

Datalink statistics

-- Total of 1 flow:

Average throughput: 83.52 Mbit/s

95th percentile per-packet one-way delay: 19.469 ms

Loss rate: 0.09%

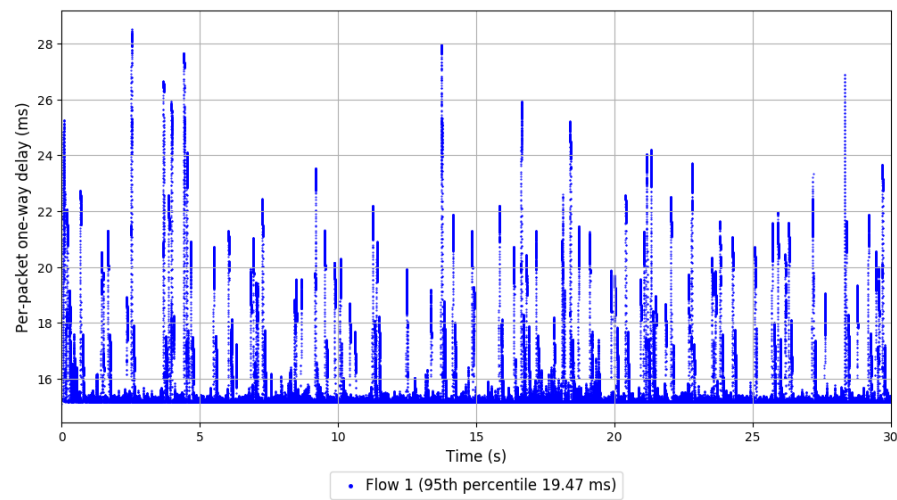
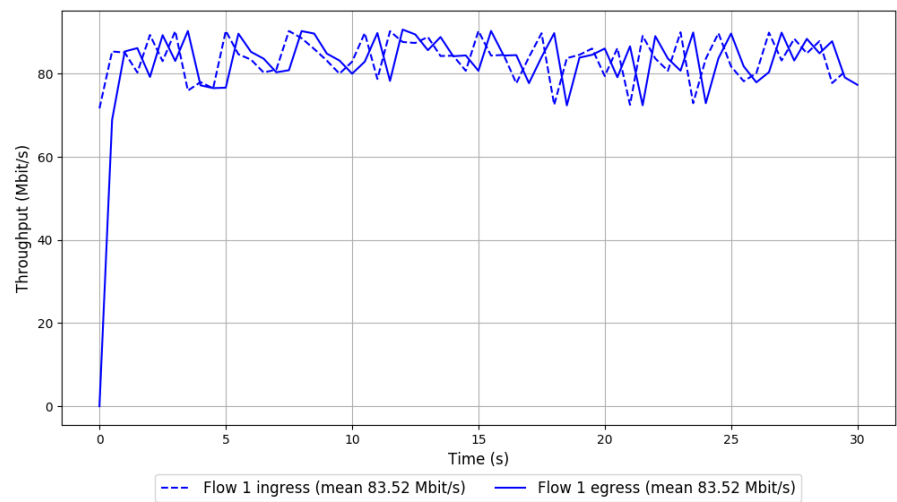
-- Flow 1:

Average throughput: 83.52 Mbit/s

95th percentile per-packet one-way delay: 19.469 ms

Loss rate: 0.09%

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



Run 9: Statistics of TaoVA-100x

Start at: 2018-06-30 09:21:27

End at: 2018-06-30 09:21:57

Local clock offset: -0.589 ms

Remote clock offset: -1.38 ms

Below is generated by plot.py at 2018-06-30 10:12:02

Datalink statistics

-- Total of 1 flow:

Average throughput: 92.02 Mbit/s

95th percentile per-packet one-way delay: 17.294 ms

Loss rate: 0.08%

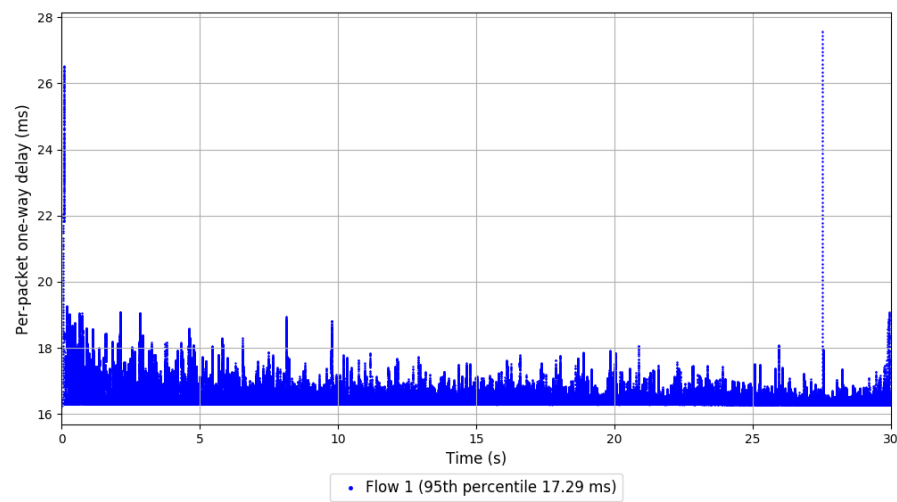
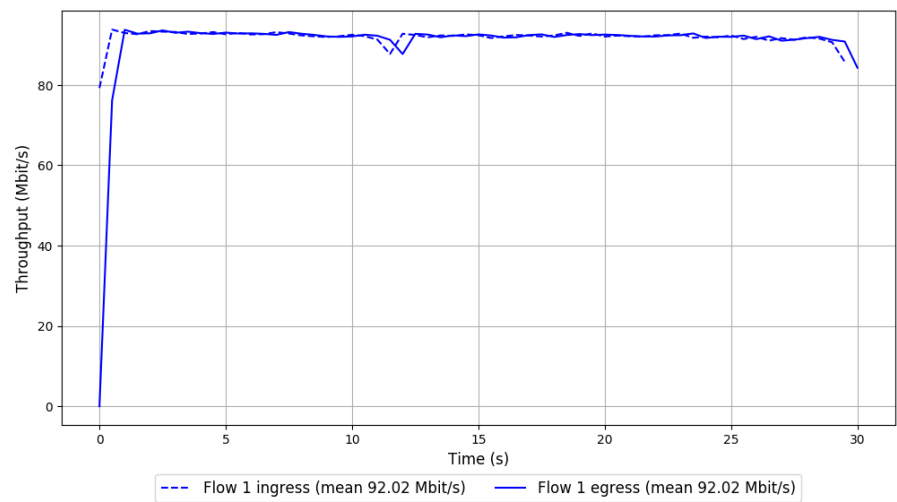
-- Flow 1:

Average throughput: 92.02 Mbit/s

95th percentile per-packet one-way delay: 17.294 ms

Loss rate: 0.08%

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



Run 10: Statistics of TaoVA-100x

Start at: 2018-06-30 09:41:06

End at: 2018-06-30 09:41:36

Local clock offset: 0.124 ms

Remote clock offset: -3.644 ms

Below is generated by plot.py at 2018-06-30 10:12:02

Datalink statistics

-- Total of 1 flow:

Average throughput: 83.19 Mbit/s

95th percentile per-packet one-way delay: 23.323 ms

Loss rate: 0.09%

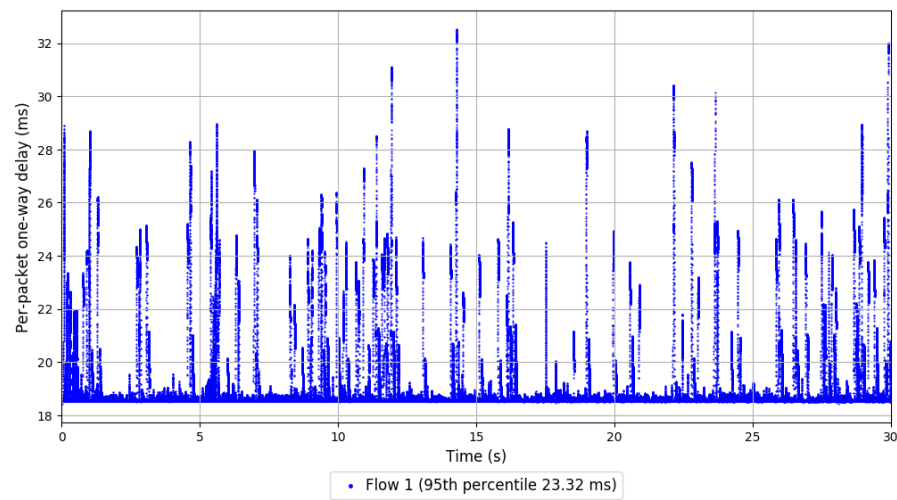
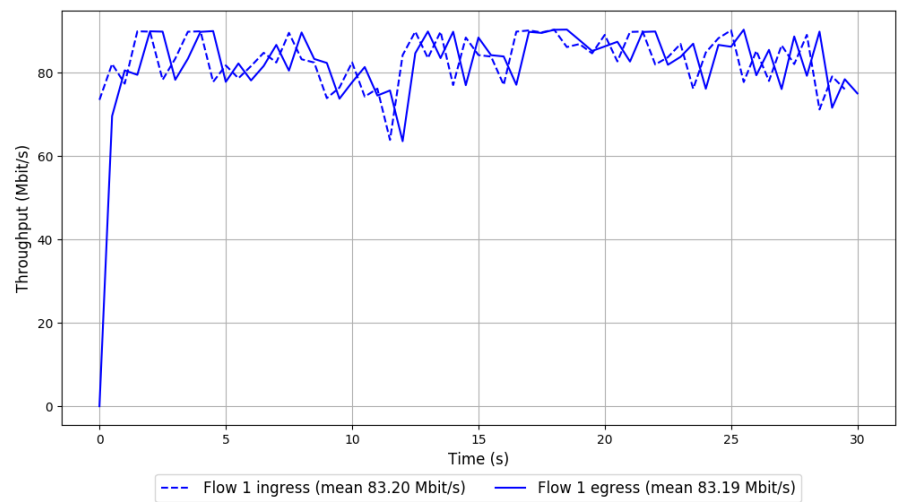
-- Flow 1:

Average throughput: 83.19 Mbit/s

95th percentile per-packet one-way delay: 23.323 ms

Loss rate: 0.09%

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

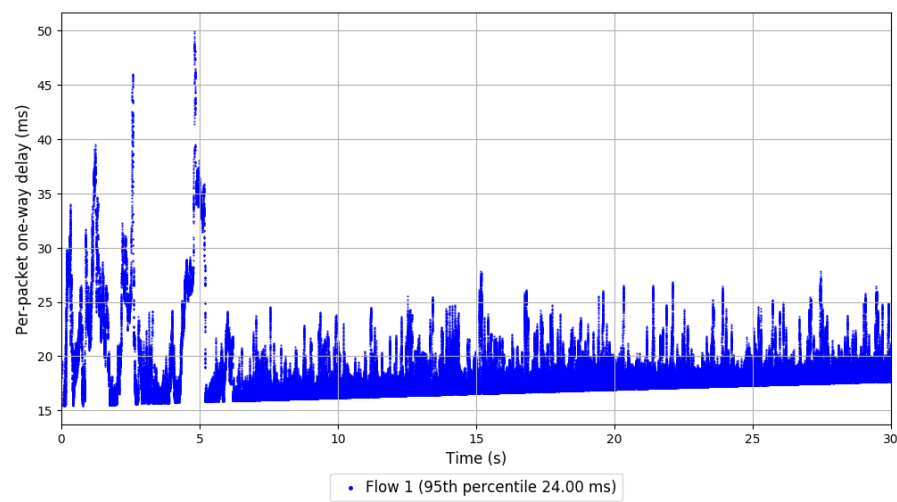
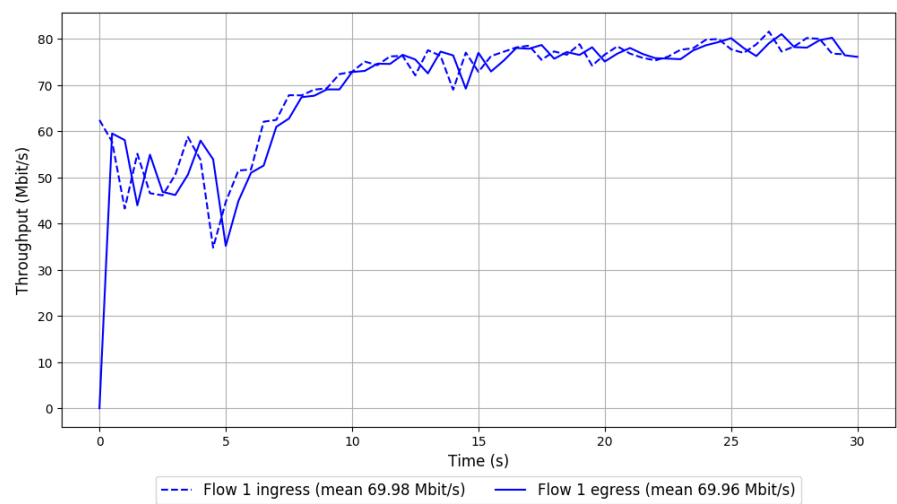


Run 1: Statistics of TCP Vegas

Start at: 2018-06-30 06:32:06
End at: 2018-06-30 06:32:36
Local clock offset: -1.246 ms
Remote clock offset: -39.046 ms

Below is generated by plot.py at 2018-06-30 10:12:02
Datalink statistics
-- Total of 1 flow:
Average throughput: 69.96 Mbit/s
95th percentile per-packet one-way delay: 23.995 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 69.96 Mbit/s
95th percentile per-packet one-way delay: 23.995 ms
Loss rate: 0.09%

Run 1: Report of TCP Vegas — Data Link



Run 2: Statistics of TCP Vegas

Start at: 2018-06-30 06:52:41

End at: 2018-06-30 06:53:11

Local clock offset: -1.848 ms

Remote clock offset: 3.477 ms

Below is generated by plot.py at 2018-06-30 10:12:02

Datalink statistics

-- Total of 1 flow:

Average throughput: 69.97 Mbit/s

95th percentile per-packet one-way delay: 21.281 ms

Loss rate: 0.08%

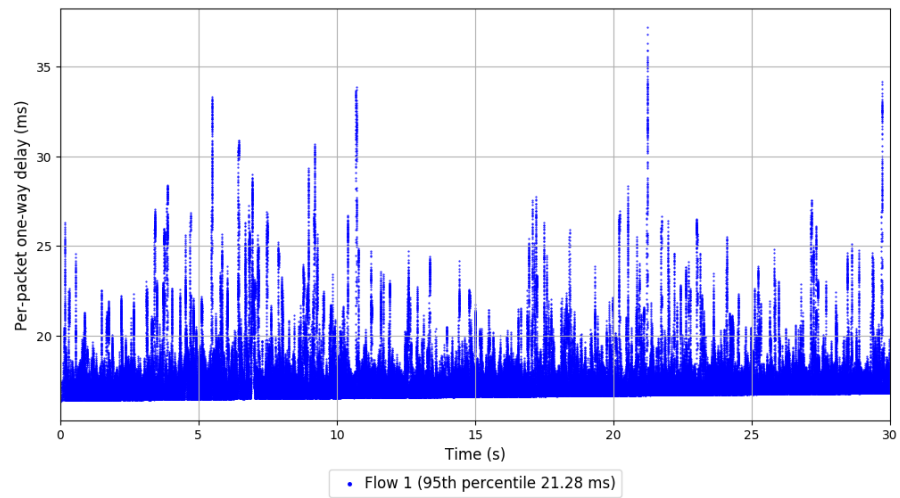
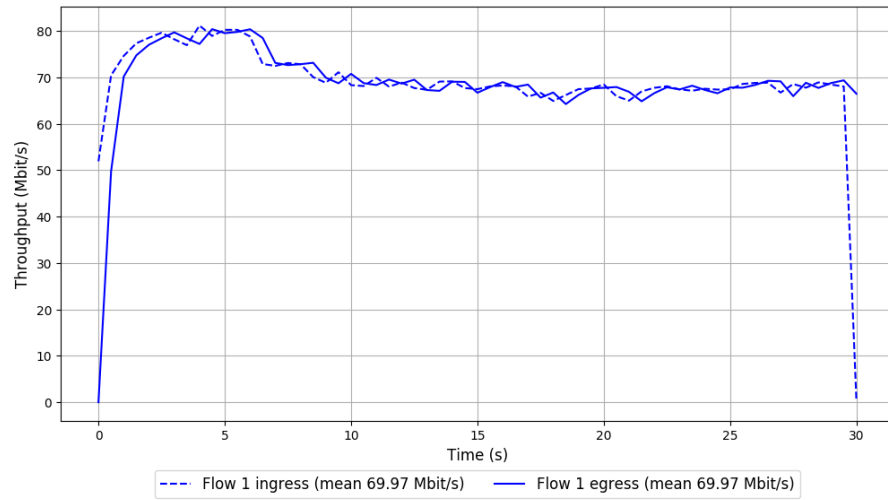
-- Flow 1:

Average throughput: 69.97 Mbit/s

95th percentile per-packet one-way delay: 21.281 ms

Loss rate: 0.08%

Run 2: Report of TCP Vegas — Data Link



Run 3: Statistics of TCP Vegas

Start at: 2018-06-30 07:13:15

End at: 2018-06-30 07:13:45

Local clock offset: -0.814 ms

Remote clock offset: 15.34 ms

Below is generated by plot.py at 2018-06-30 10:12:02

Datalink statistics

-- Total of 1 flow:

Average throughput: 82.15 Mbit/s

95th percentile per-packet one-way delay: 25.256 ms

Loss rate: 0.09%

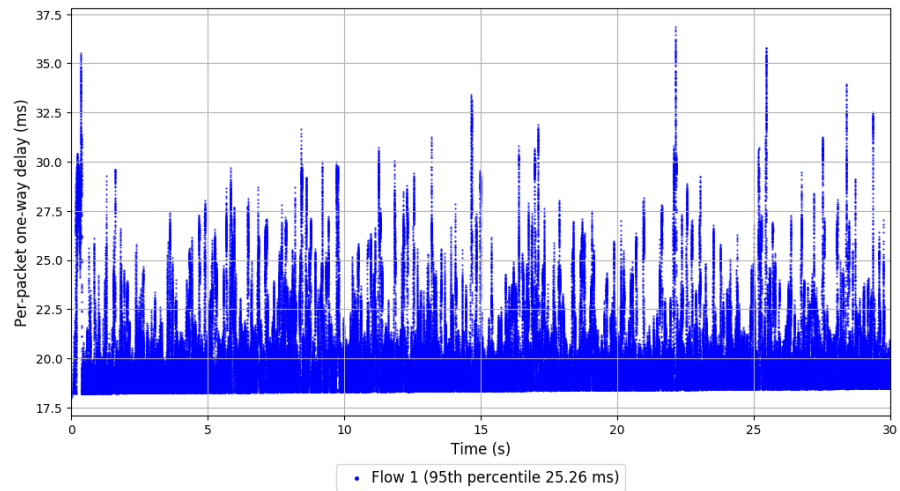
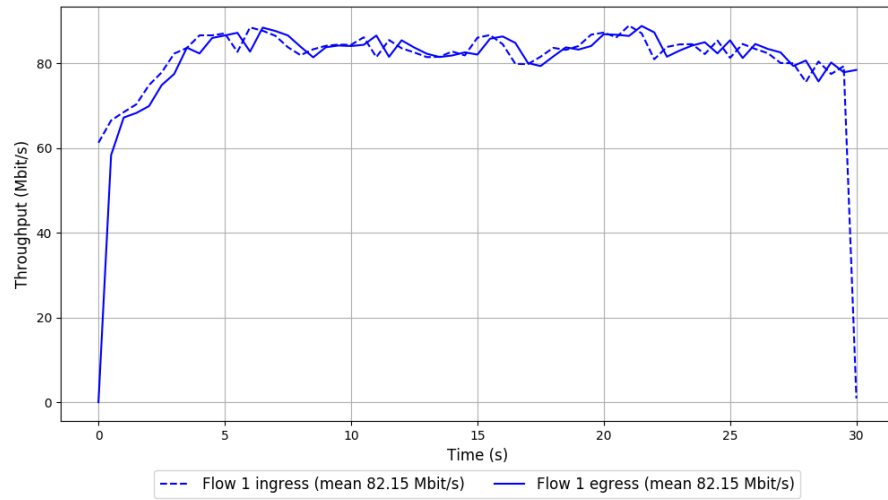
-- Flow 1:

Average throughput: 82.15 Mbit/s

95th percentile per-packet one-way delay: 25.256 ms

Loss rate: 0.09%

Run 3: Report of TCP Vegas — Data Link

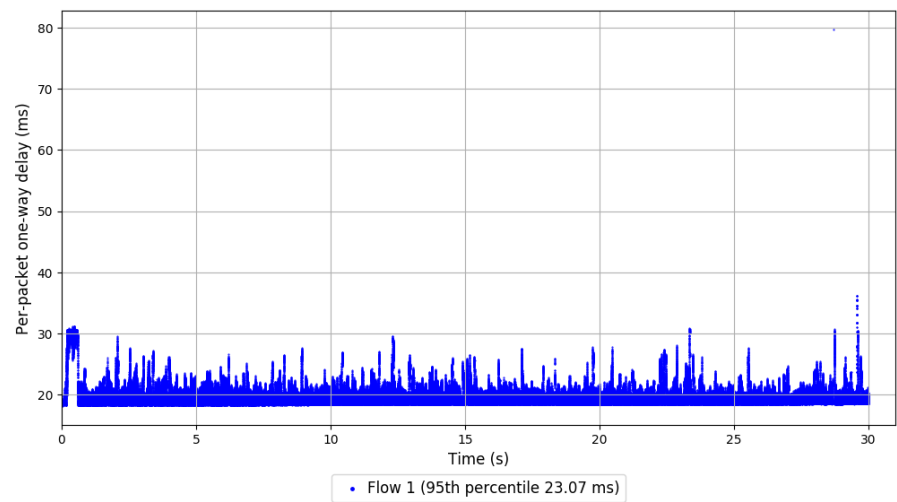
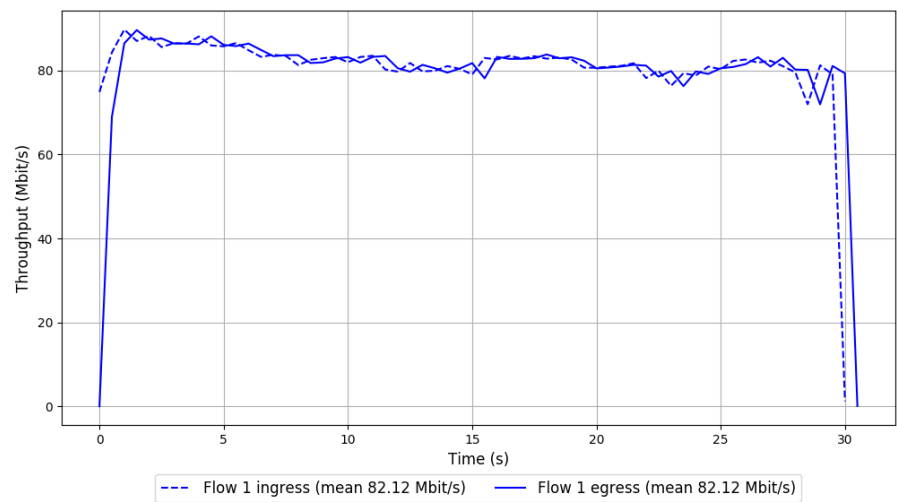


Run 4: Statistics of TCP Vegas

Start at: 2018-06-30 07:33:50
End at: 2018-06-30 07:34:20
Local clock offset: 0.194 ms
Remote clock offset: 25.465 ms

Below is generated by plot.py at 2018-06-30 10:12:02
Datalink statistics
-- Total of 1 flow:
Average throughput: 82.12 Mbit/s
95th percentile per-packet one-way delay: 23.073 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 82.12 Mbit/s
95th percentile per-packet one-way delay: 23.073 ms
Loss rate: 0.09%

Run 4: Report of TCP Vegas — Data Link

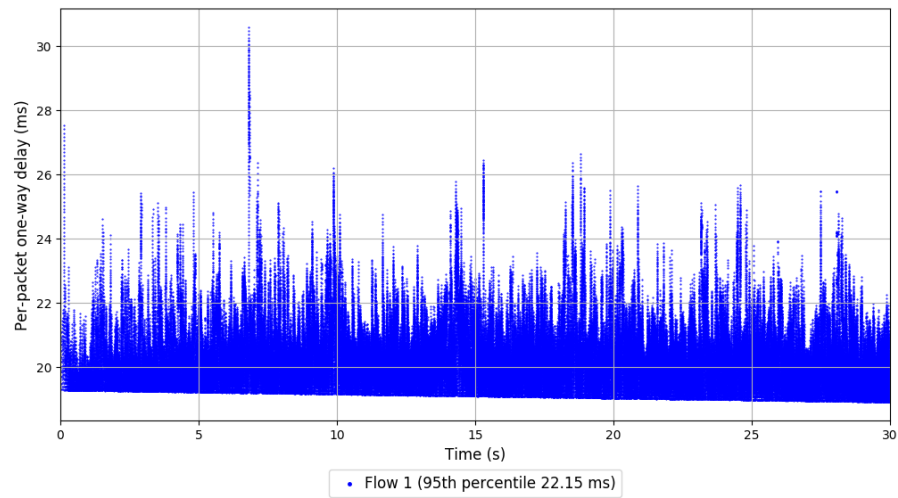
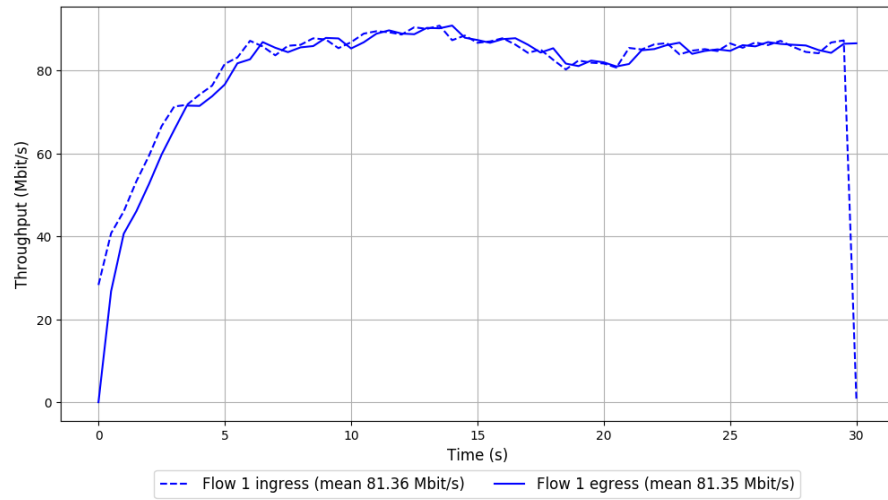


Run 5: Statistics of TCP Vegas

Start at: 2018-06-30 07:53:40
End at: 2018-06-30 07:54:10
Local clock offset: 0.901 ms
Remote clock offset: -1.546 ms

Below is generated by plot.py at 2018-06-30 10:12:02
Datalink statistics
-- Total of 1 flow:
Average throughput: 81.35 Mbit/s
95th percentile per-packet one-way delay: 22.153 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 81.35 Mbit/s
95th percentile per-packet one-way delay: 22.153 ms
Loss rate: 0.10%

Run 5: Report of TCP Vegas — Data Link

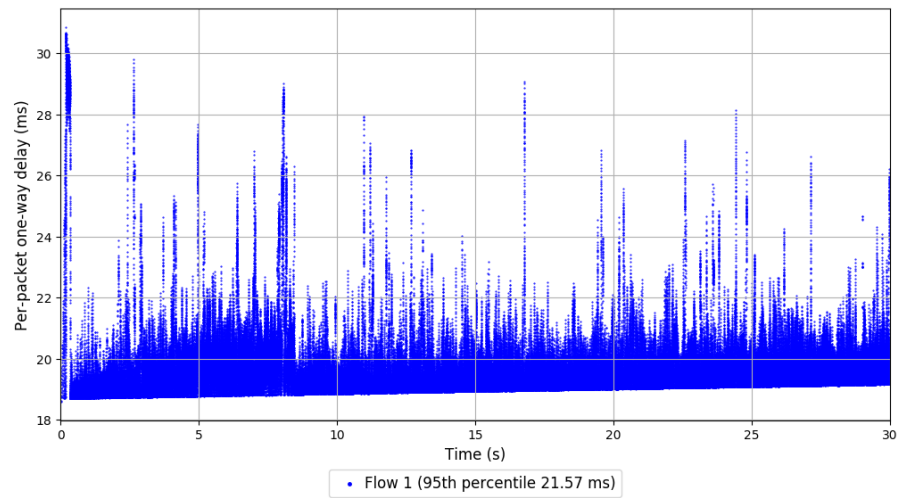
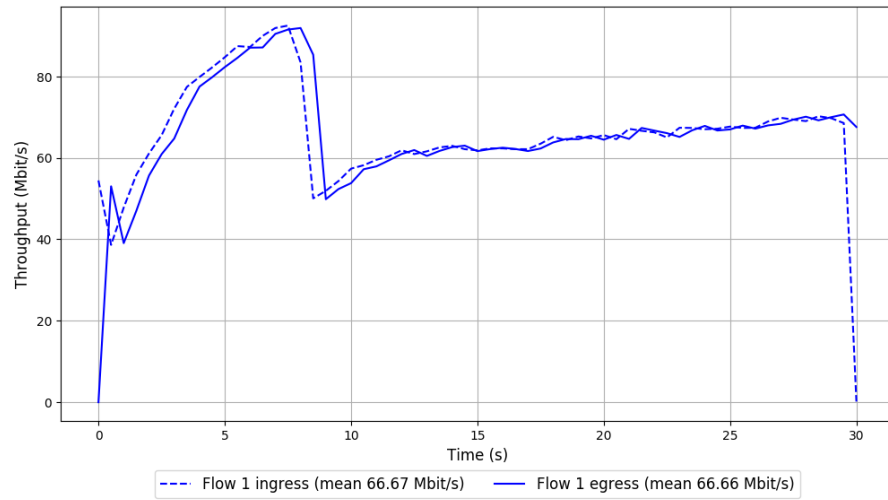


Run 6: Statistics of TCP Vegas

Start at: 2018-06-30 08:14:03
End at: 2018-06-30 08:14:33
Local clock offset: 0.348 ms
Remote clock offset: -8.801 ms

Below is generated by plot.py at 2018-06-30 10:12:02
Datalink statistics
-- Total of 1 flow:
Average throughput: 66.66 Mbit/s
95th percentile per-packet one-way delay: 21.572 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 66.66 Mbit/s
95th percentile per-packet one-way delay: 21.572 ms
Loss rate: 0.09%

Run 6: Report of TCP Vegas — Data Link

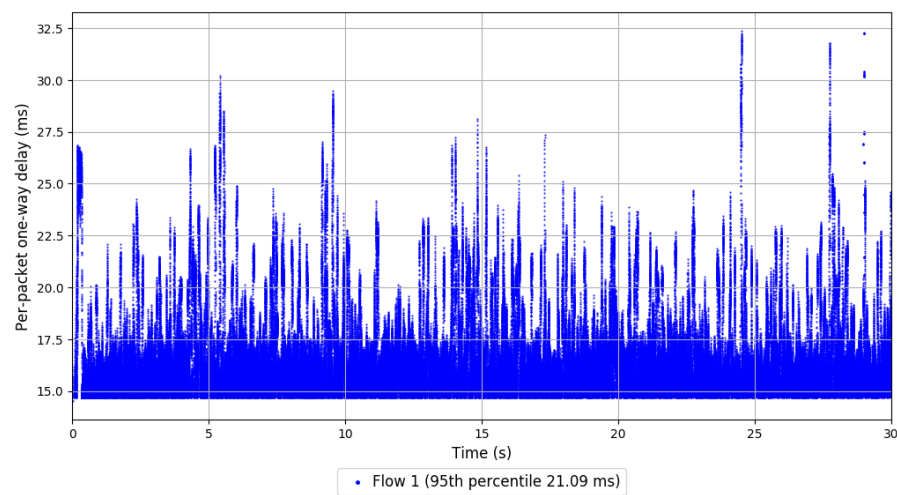
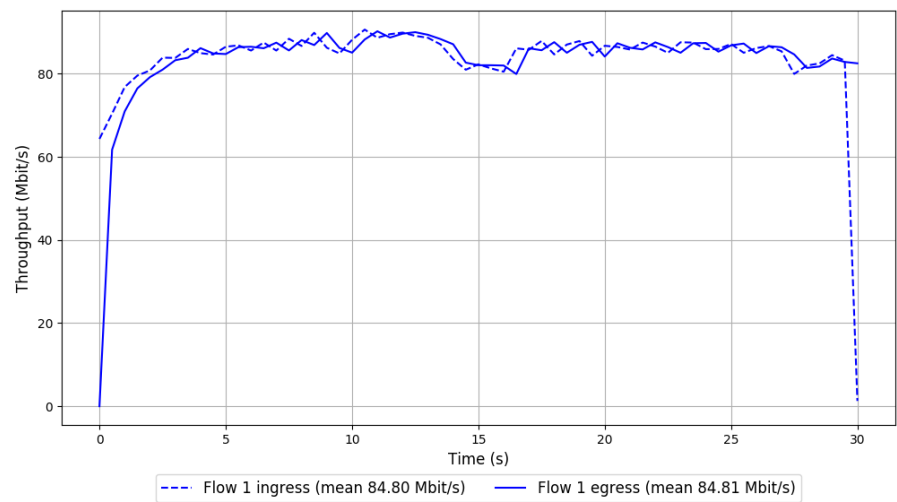


Run 7: Statistics of TCP Vegas

Start at: 2018-06-30 08:33:56
End at: 2018-06-30 08:34:26
Local clock offset: -0.348 ms
Remote clock offset: -0.554 ms

Below is generated by plot.py at 2018-06-30 10:12:02
Datalink statistics
-- Total of 1 flow:
Average throughput: 84.81 Mbit/s
95th percentile per-packet one-way delay: 21.094 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 84.81 Mbit/s
95th percentile per-packet one-way delay: 21.094 ms
Loss rate: 0.09%

Run 7: Report of TCP Vegas — Data Link



Run 8: Statistics of TCP Vegas

Start at: 2018-06-30 08:53:46

End at: 2018-06-30 08:54:16

Local clock offset: 3.058 ms

Remote clock offset: -0.29 ms

Below is generated by plot.py at 2018-06-30 10:12:02

Datalink statistics

-- Total of 1 flow:

Average throughput: 86.39 Mbit/s

95th percentile per-packet one-way delay: 23.715 ms

Loss rate: 0.09%

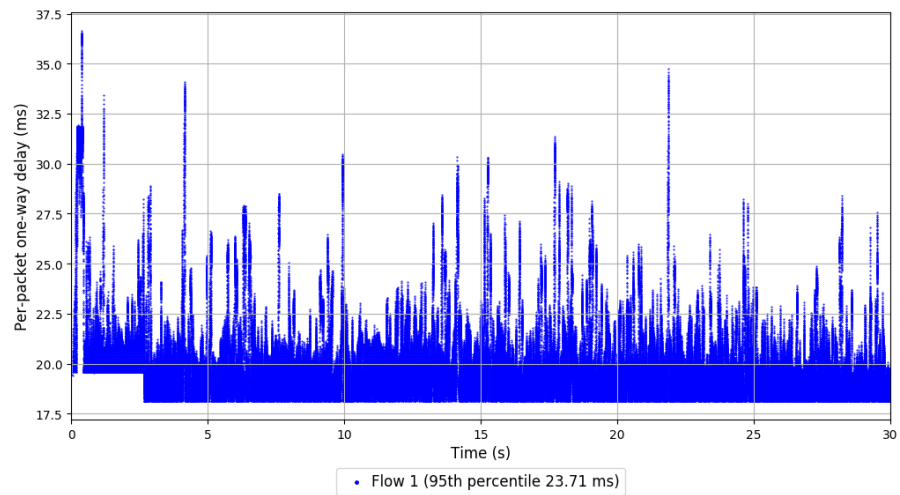
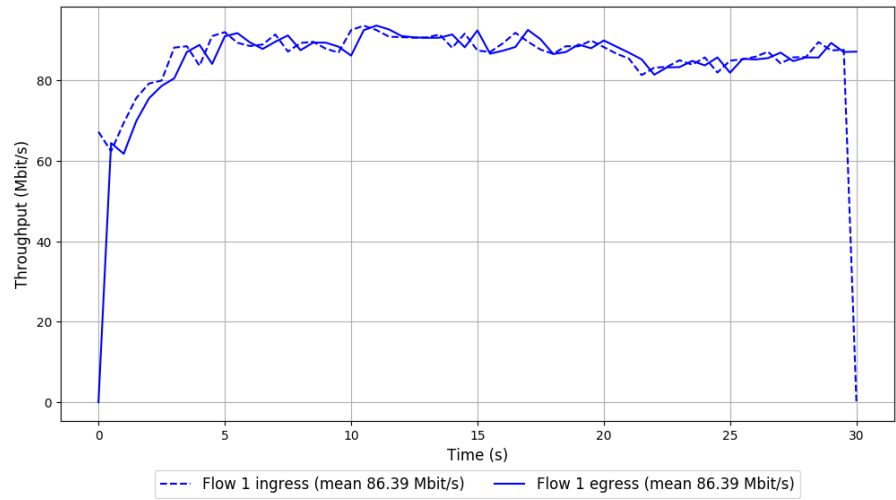
-- Flow 1:

Average throughput: 86.39 Mbit/s

95th percentile per-packet one-way delay: 23.715 ms

Loss rate: 0.09%

Run 8: Report of TCP Vegas — Data Link

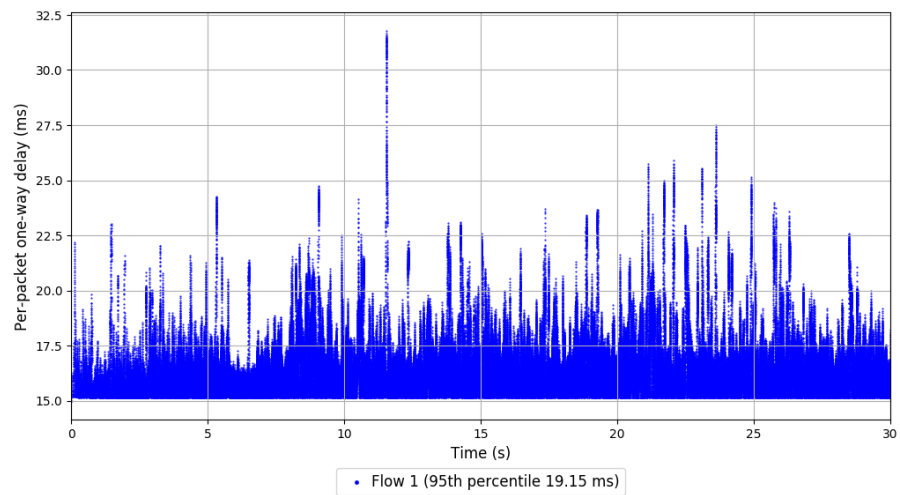
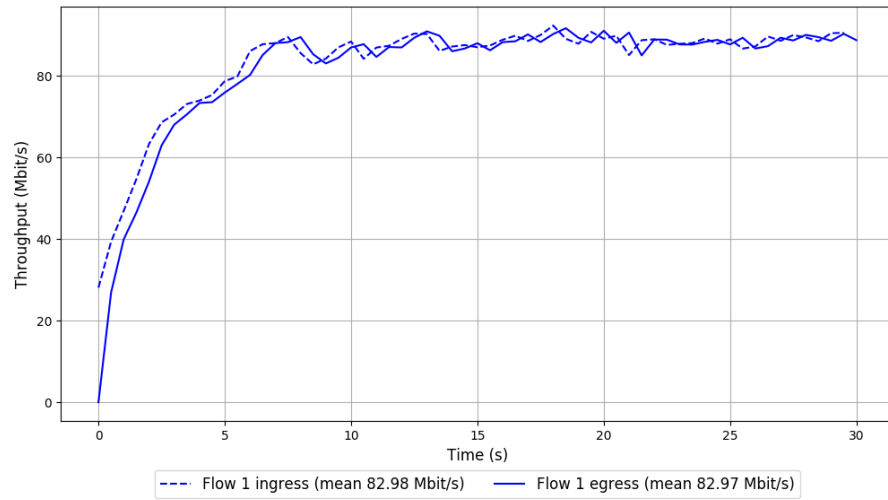


Run 9: Statistics of TCP Vegas

Start at: 2018-06-30 09:13:21
End at: 2018-06-30 09:13:51
Local clock offset: 0.443 ms
Remote clock offset: -0.414 ms

Below is generated by plot.py at 2018-06-30 10:12:11
Datalink statistics
-- Total of 1 flow:
Average throughput: 82.97 Mbit/s
95th percentile per-packet one-way delay: 19.153 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 82.97 Mbit/s
95th percentile per-packet one-way delay: 19.153 ms
Loss rate: 0.10%

Run 9: Report of TCP Vegas — Data Link



Run 10: Statistics of TCP Vegas

Start at: 2018-06-30 09:33:05

End at: 2018-06-30 09:33:35

Local clock offset: -1.689 ms

Remote clock offset: -2.366 ms

Below is generated by plot.py at 2018-06-30 10:12:11

Datalink statistics

-- Total of 1 flow:

Average throughput: 75.46 Mbit/s

95th percentile per-packet one-way delay: 19.734 ms

Loss rate: 0.08%

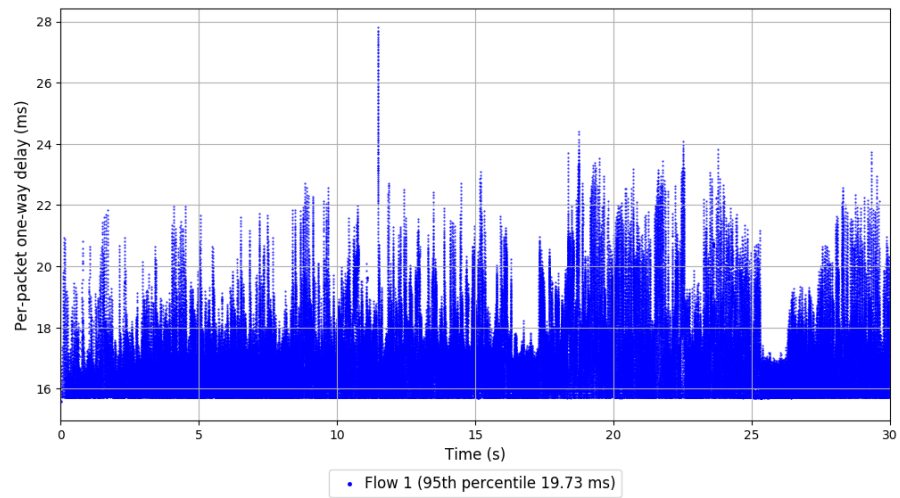
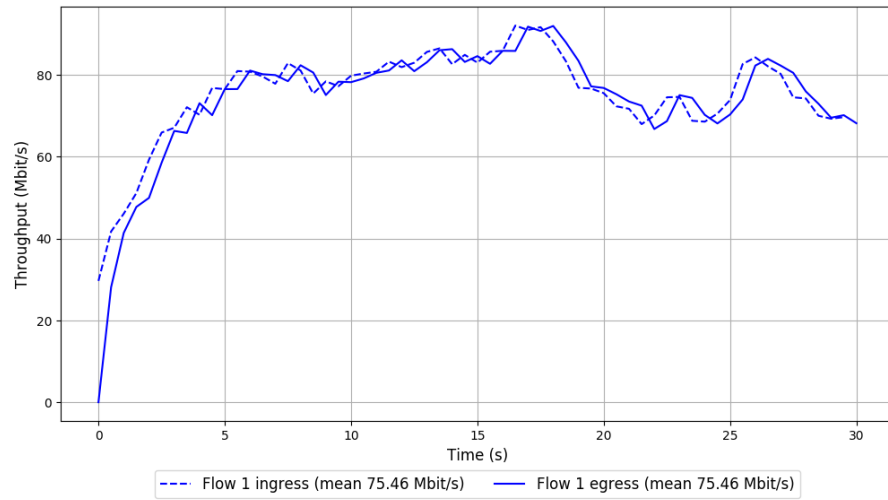
-- Flow 1:

Average throughput: 75.46 Mbit/s

95th percentile per-packet one-way delay: 19.734 ms

Loss rate: 0.08%

Run 10: Report of TCP Vegas — Data Link

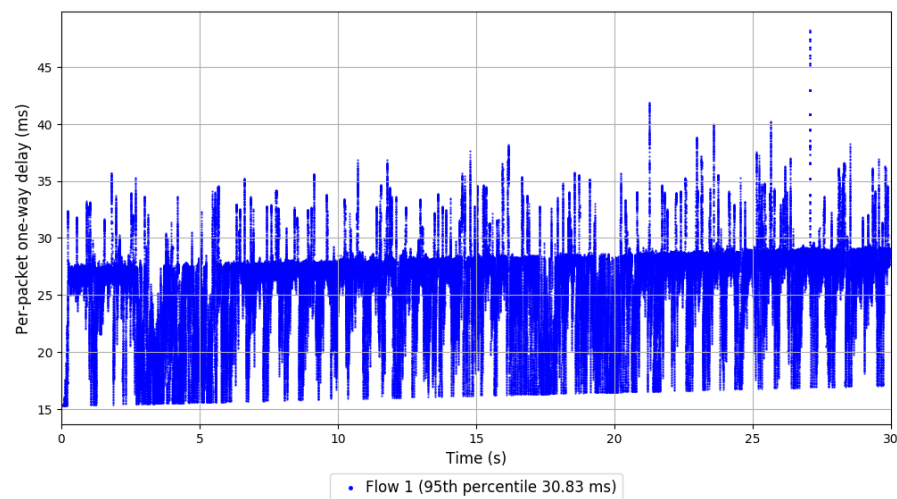
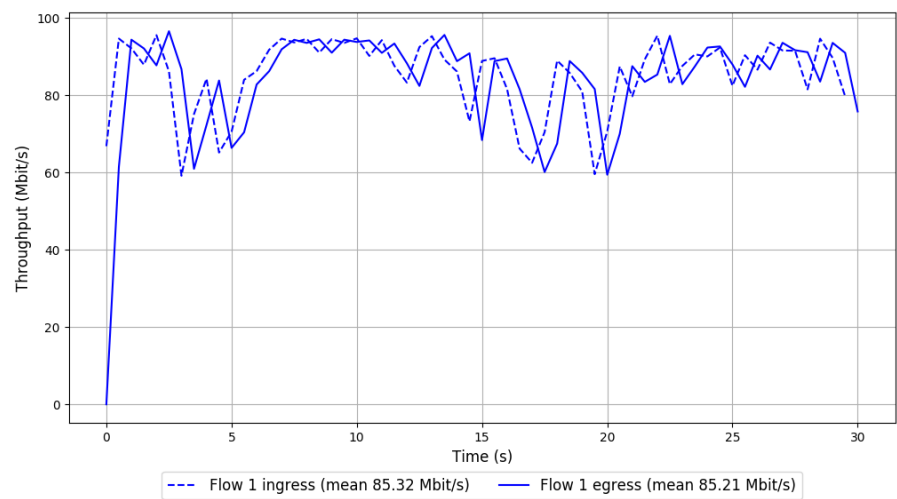


Run 1: Statistics of Verus

Start at: 2018-06-30 06:34:29
End at: 2018-06-30 06:34:59
Local clock offset: -1.661 ms
Remote clock offset: -29.438 ms

Below is generated by plot.py at 2018-06-30 10:12:17
Datalink statistics
-- Total of 1 flow:
Average throughput: 85.21 Mbit/s
95th percentile per-packet one-way delay: 30.834 ms
Loss rate: 0.21%
-- Flow 1:
Average throughput: 85.21 Mbit/s
95th percentile per-packet one-way delay: 30.834 ms
Loss rate: 0.21%

Run 1: Report of Verus — Data Link



Run 2: Statistics of Verus

Start at: 2018-06-30 06:55:05

End at: 2018-06-30 06:55:35

Local clock offset: -0.434 ms

Remote clock offset: 4.76 ms

Below is generated by plot.py at 2018-06-30 10:12:20

Datalink statistics

-- Total of 1 flow:

Average throughput: 85.88 Mbit/s

95th percentile per-packet one-way delay: 33.791 ms

Loss rate: 0.18%

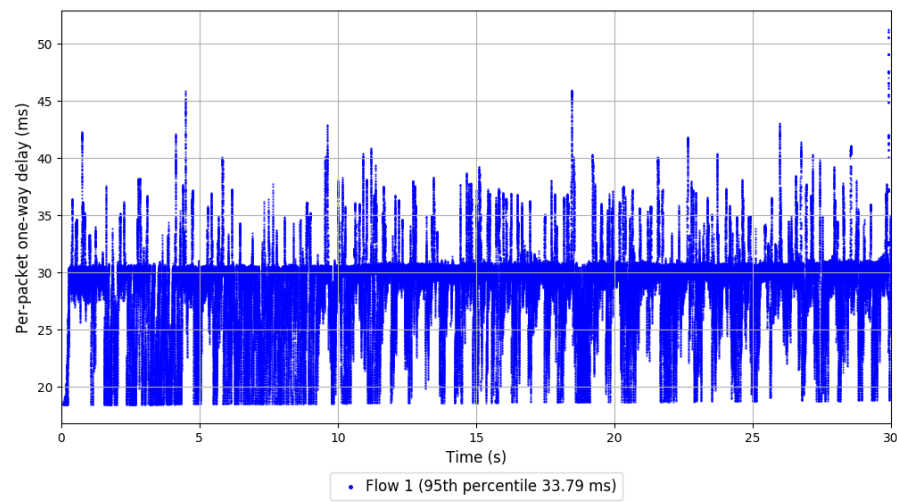
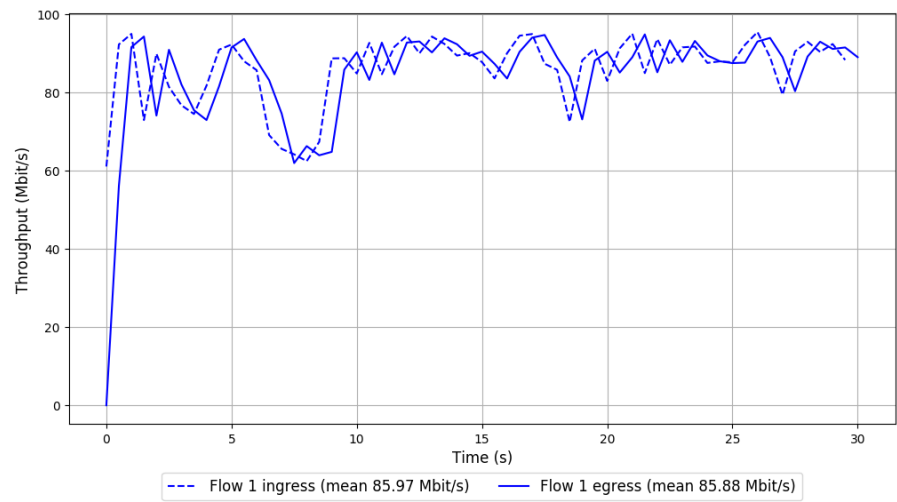
-- Flow 1:

Average throughput: 85.88 Mbit/s

95th percentile per-packet one-way delay: 33.791 ms

Loss rate: 0.18%

Run 2: Report of Verus — Data Link

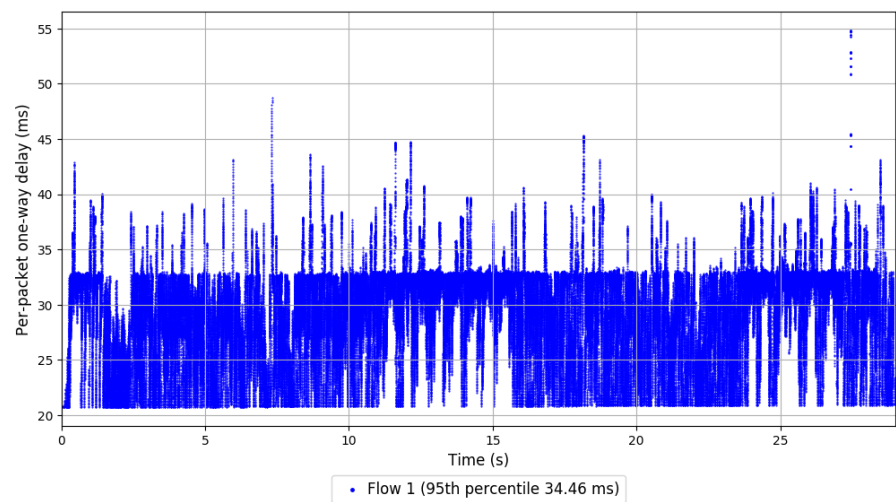
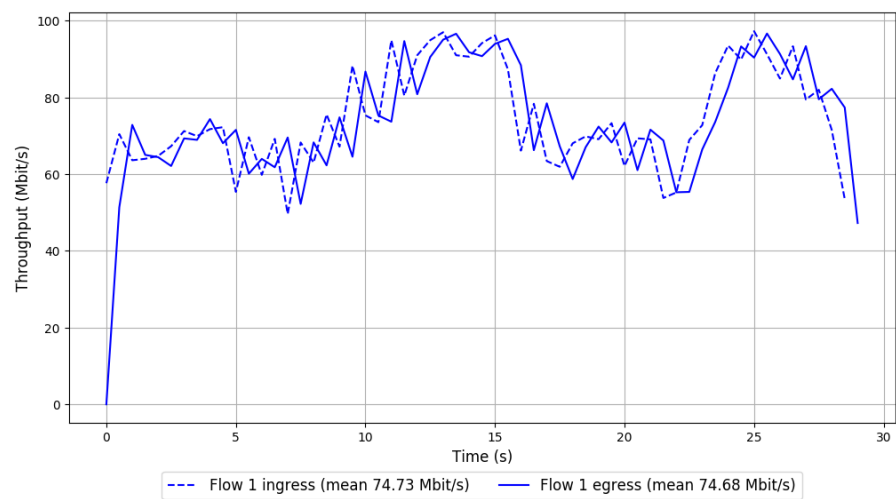


Run 3: Statistics of Verus

Start at: 2018-06-30 07:15:41
End at: 2018-06-30 07:16:11
Local clock offset: 1.756 ms
Remote clock offset: 16.625 ms

Below is generated by plot.py at 2018-06-30 10:12:43
Datalink statistics
-- Total of 1 flow:
Average throughput: 74.68 Mbit/s
95th percentile per-packet one-way delay: 34.462 ms
Loss rate: 0.18%
-- Flow 1:
Average throughput: 74.68 Mbit/s
95th percentile per-packet one-way delay: 34.462 ms
Loss rate: 0.18%

Run 3: Report of Verus — Data Link

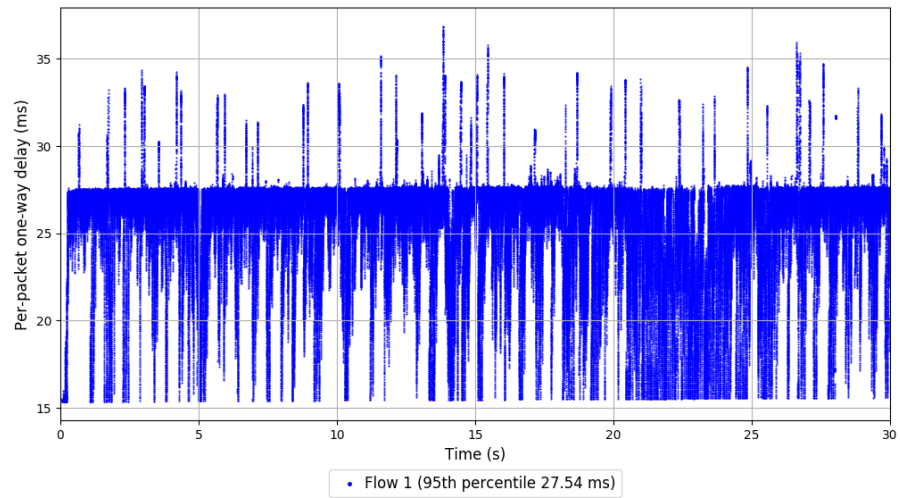
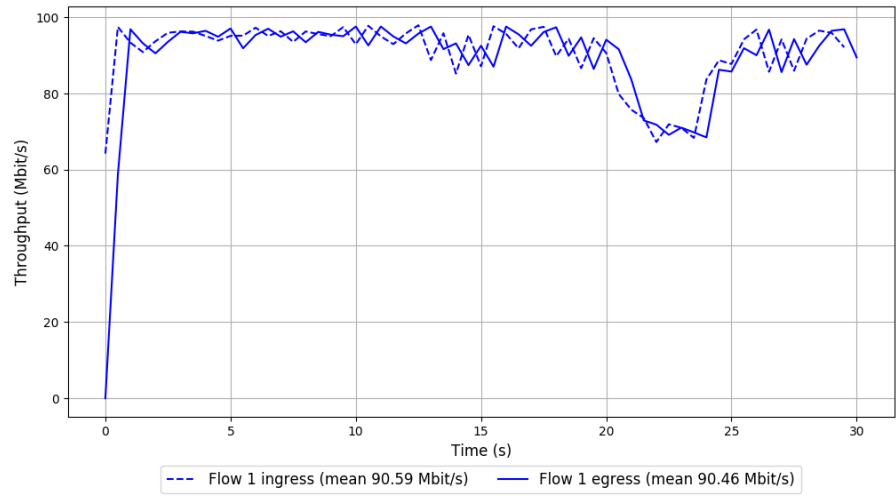


Run 4: Statistics of Verus

Start at: 2018-06-30 07:36:05
End at: 2018-06-30 07:36:35
Local clock offset: -3.104 ms
Remote clock offset: 26.123 ms

Below is generated by plot.py at 2018-06-30 10:13:05
Datalink statistics
-- Total of 1 flow:
Average throughput: 90.46 Mbit/s
95th percentile per-packet one-way delay: 27.537 ms
Loss rate: 0.22%
-- Flow 1:
Average throughput: 90.46 Mbit/s
95th percentile per-packet one-way delay: 27.537 ms
Loss rate: 0.22%

Run 4: Report of Verus — Data Link

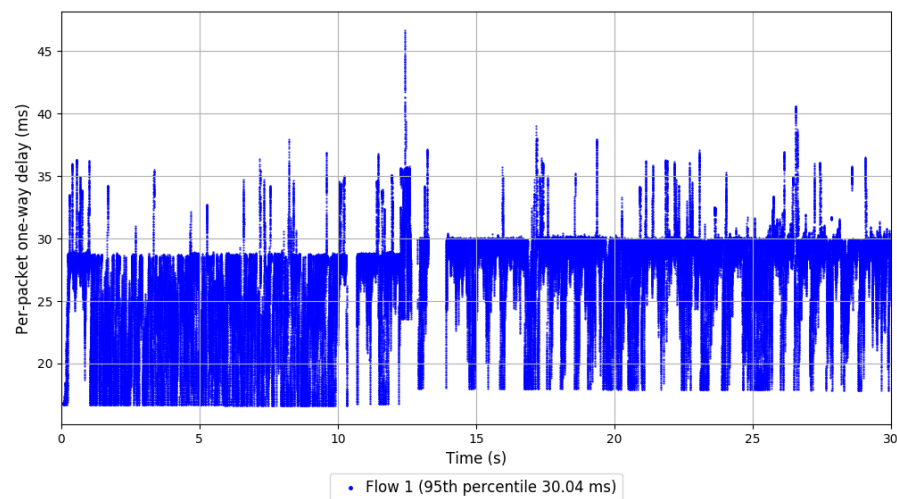
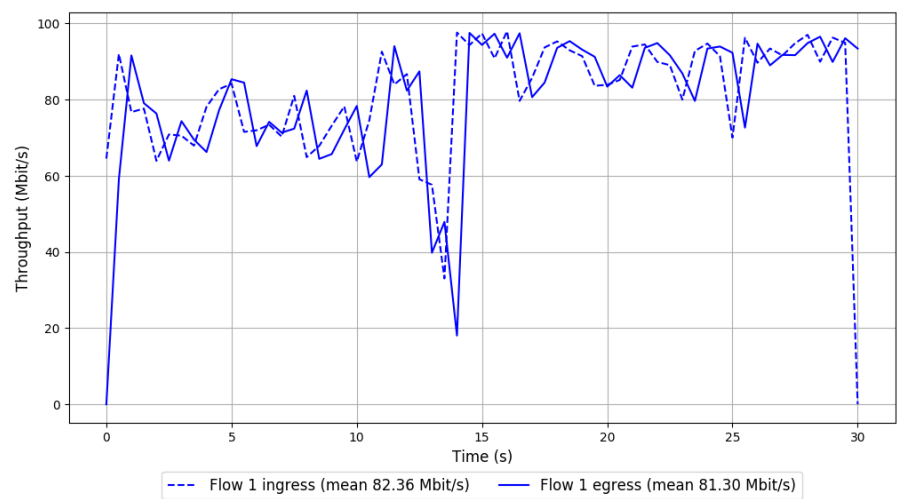


Run 5: Statistics of Verus

Start at: 2018-06-30 07:56:14
End at: 2018-06-30 07:56:44
Local clock offset: -0.469 ms
Remote clock offset: -3.532 ms

Below is generated by plot.py at 2018-06-30 10:13:05
Datalink statistics
-- Total of 1 flow:
Average throughput: 81.30 Mbit/s
95th percentile per-packet one-way delay: 30.039 ms
Loss rate: 1.39%
-- Flow 1:
Average throughput: 81.30 Mbit/s
95th percentile per-packet one-way delay: 30.039 ms
Loss rate: 1.39%

Run 5: Report of Verus — Data Link

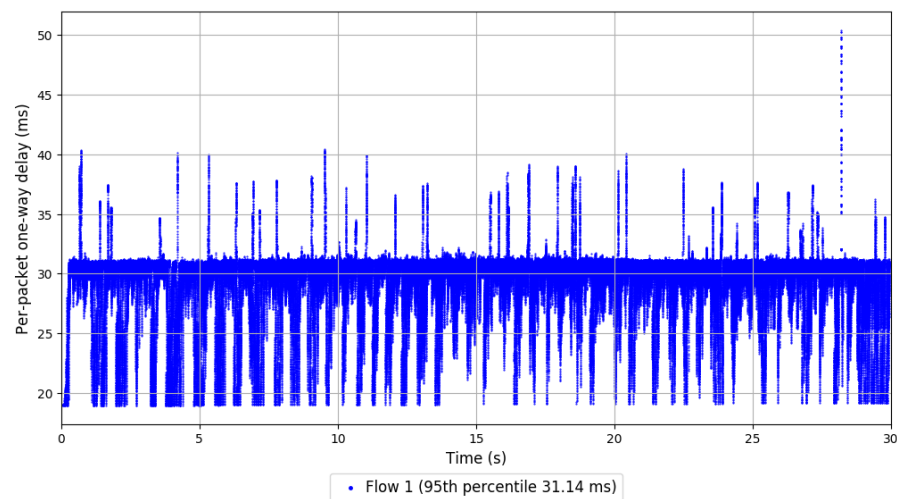
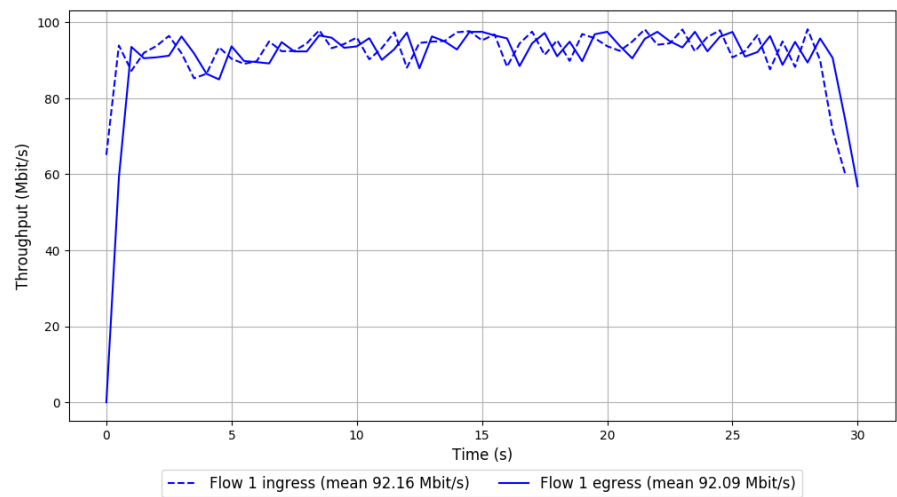


Run 6: Statistics of Verus

Start at: 2018-06-30 08:16:22
End at: 2018-06-30 08:16:52
Local clock offset: 1.242 ms
Remote clock offset: -6.533 ms

Below is generated by plot.py at 2018-06-30 10:13:08
Datalink statistics
-- Total of 1 flow:
Average throughput: 92.09 Mbit/s
95th percentile per-packet one-way delay: 31.143 ms
Loss rate: 0.22%
-- Flow 1:
Average throughput: 92.09 Mbit/s
95th percentile per-packet one-way delay: 31.143 ms
Loss rate: 0.22%

Run 6: Report of Verus — Data Link



Run 7: Statistics of Verus

Start at: 2018-06-30 08:36:09

End at: 2018-06-30 08:36:39

Local clock offset: 1.073 ms

Remote clock offset: -0.48 ms

Below is generated by plot.py at 2018-06-30 10:13:08

Datalink statistics

-- Total of 1 flow:

Average throughput: 72.90 Mbit/s

95th percentile per-packet one-way delay: 28.815 ms

Loss rate: 0.17%

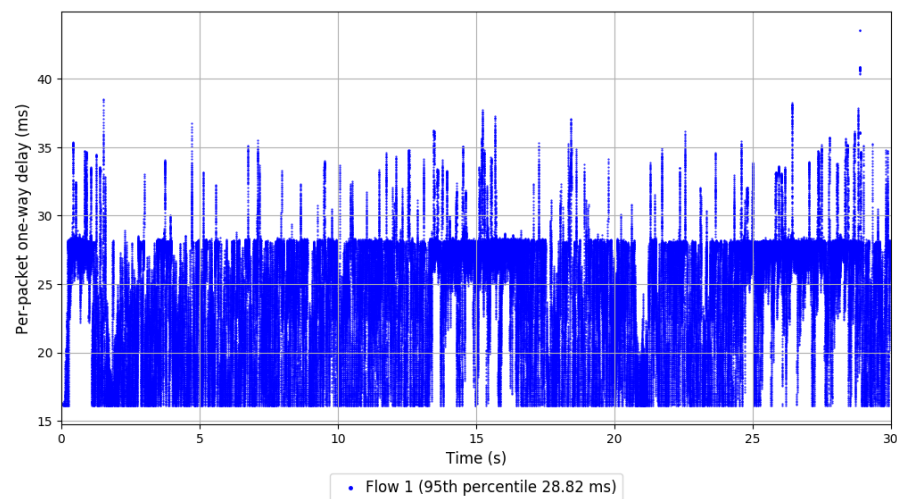
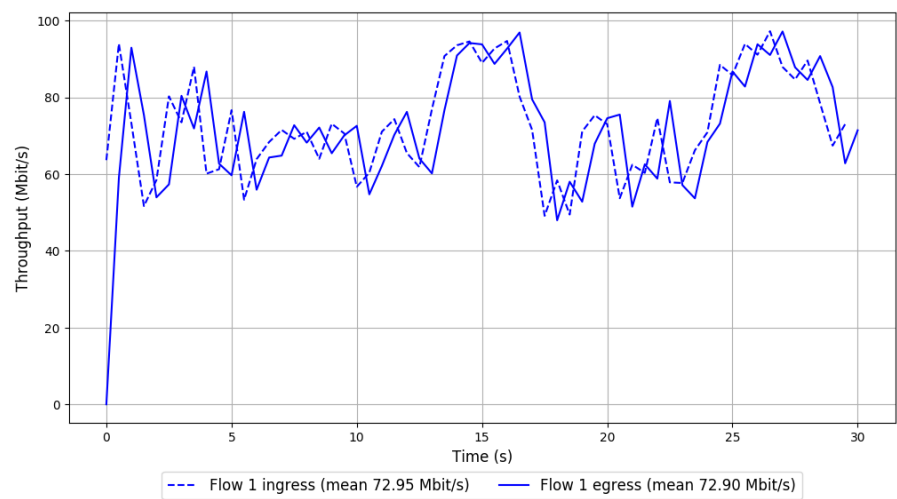
-- Flow 1:

Average throughput: 72.90 Mbit/s

95th percentile per-packet one-way delay: 28.815 ms

Loss rate: 0.17%

Run 7: Report of Verus — Data Link



Run 8: Statistics of Verus

Start at: 2018-06-30 08:56:02

End at: 2018-06-30 08:56:32

Local clock offset: 4.273 ms

Remote clock offset: 0.812 ms

Below is generated by plot.py at 2018-06-30 10:13:15

Datalink statistics

-- Total of 1 flow:

Average throughput: 87.39 Mbit/s

95th percentile per-packet one-way delay: 30.302 ms

Loss rate: 0.22%

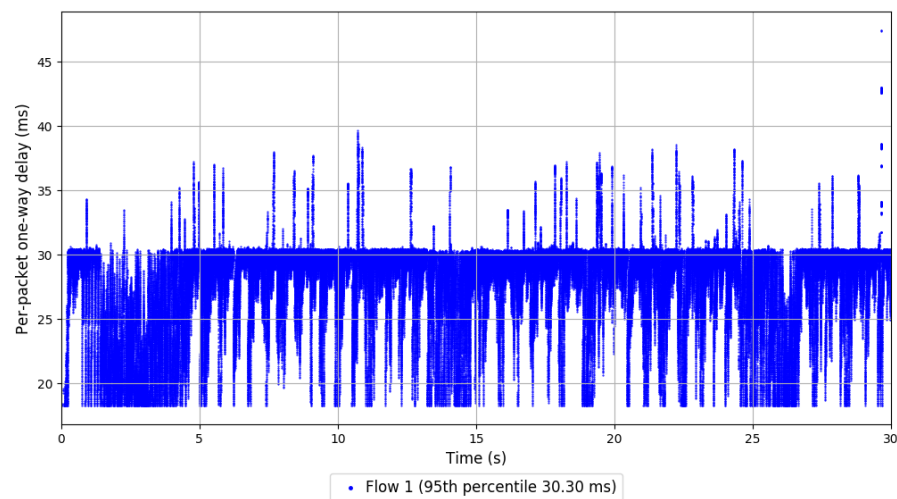
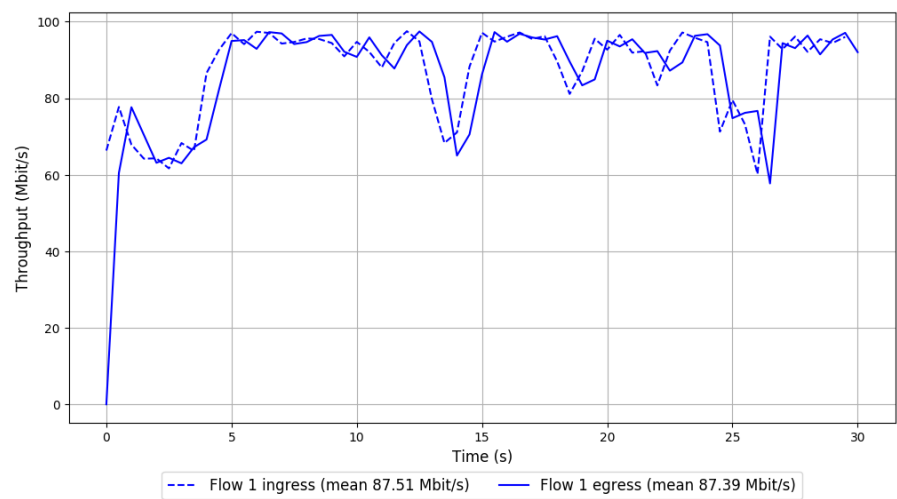
-- Flow 1:

Average throughput: 87.39 Mbit/s

95th percentile per-packet one-way delay: 30.302 ms

Loss rate: 0.22%

Run 8: Report of Verus — Data Link



Run 9: Statistics of Verus

Start at: 2018-06-30 09:15:45

End at: 2018-06-30 09:16:15

Local clock offset: 3.769 ms

Remote clock offset: -0.88 ms

Below is generated by plot.py at 2018-06-30 10:13:15

Datalink statistics

-- Total of 1 flow:

Average throughput: 74.05 Mbit/s

95th percentile per-packet one-way delay: 31.025 ms

Loss rate: 0.17%

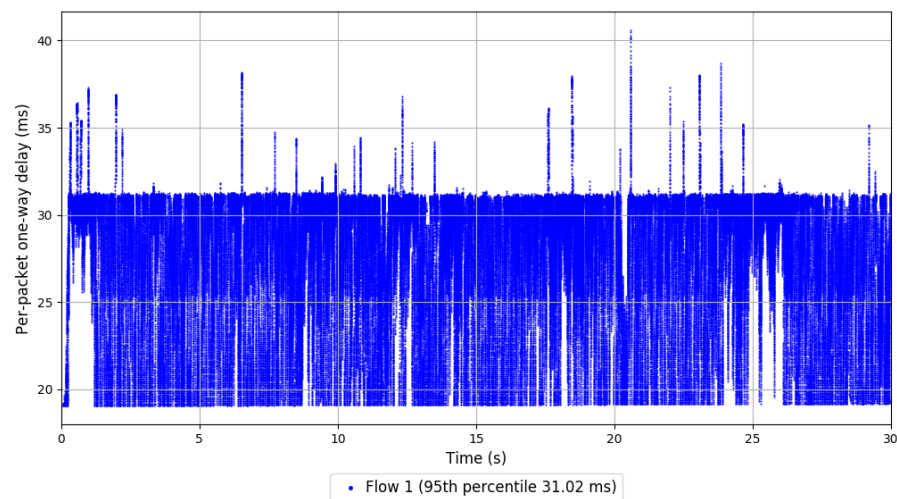
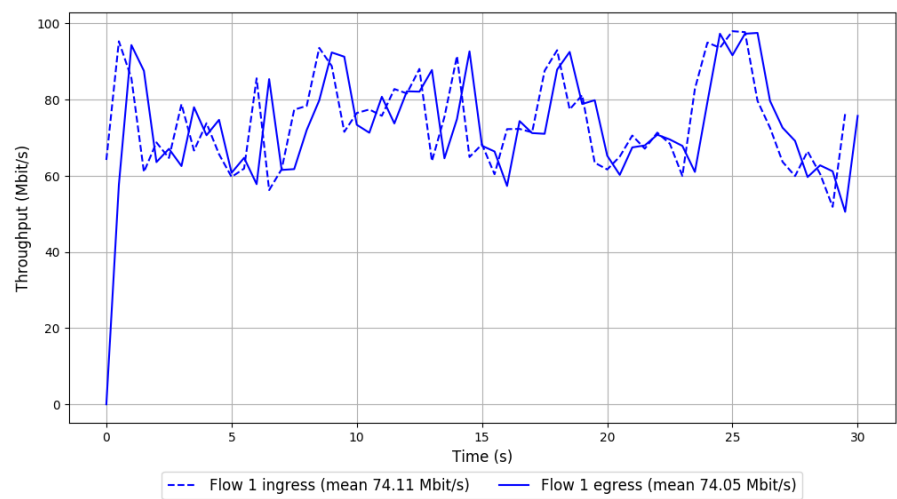
-- Flow 1:

Average throughput: 74.05 Mbit/s

95th percentile per-packet one-way delay: 31.025 ms

Loss rate: 0.17%

Run 9: Report of Verus — Data Link

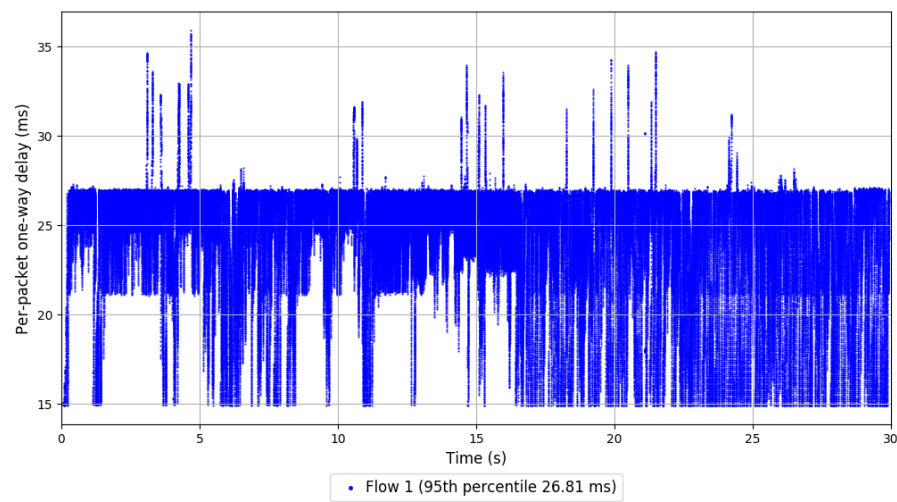
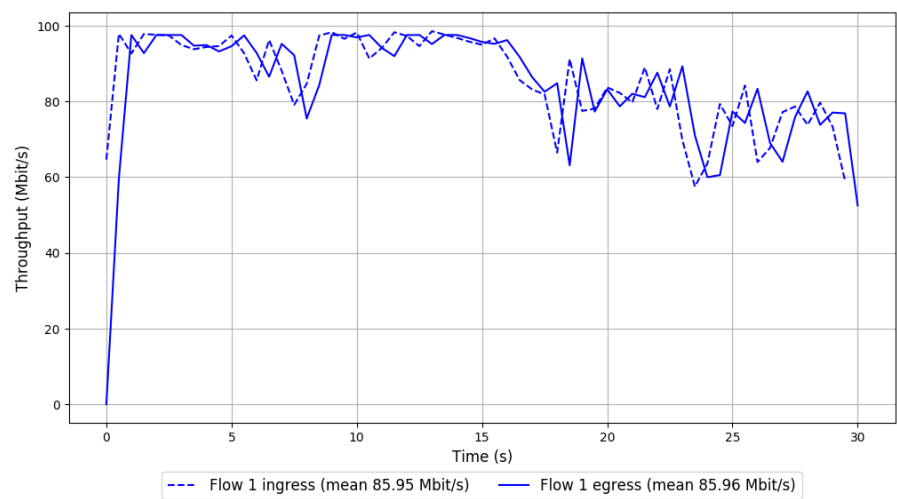


Run 10: Statistics of Verus

Start at: 2018-06-30 09:35:19
End at: 2018-06-30 09:35:49
Local clock offset: -2.47 ms
Remote clock offset: -2.428 ms

Below is generated by plot.py at 2018-06-30 10:13:28
Datalink statistics
-- Total of 1 flow:
Average throughput: 85.96 Mbit/s
95th percentile per-packet one-way delay: 26.806 ms
Loss rate: 0.17%
-- Flow 1:
Average throughput: 85.96 Mbit/s
95th percentile per-packet one-way delay: 26.806 ms
Loss rate: 0.17%

Run 10: Report of Verus — Data Link

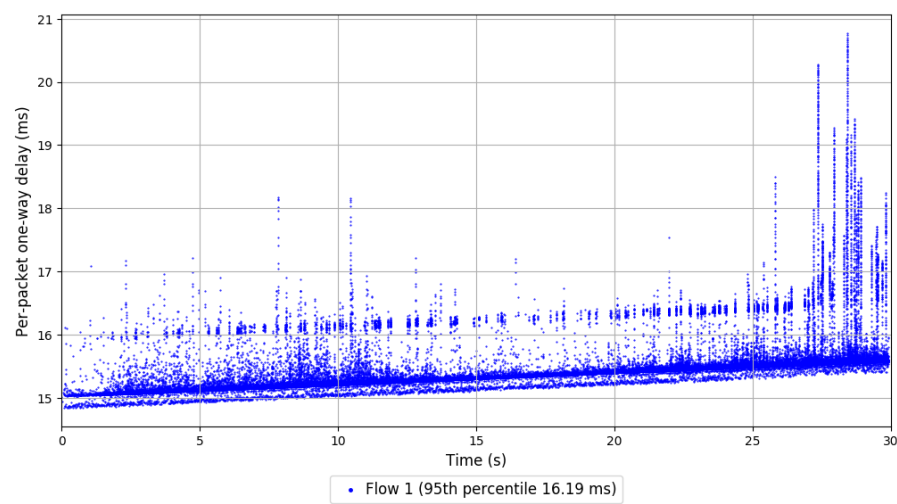
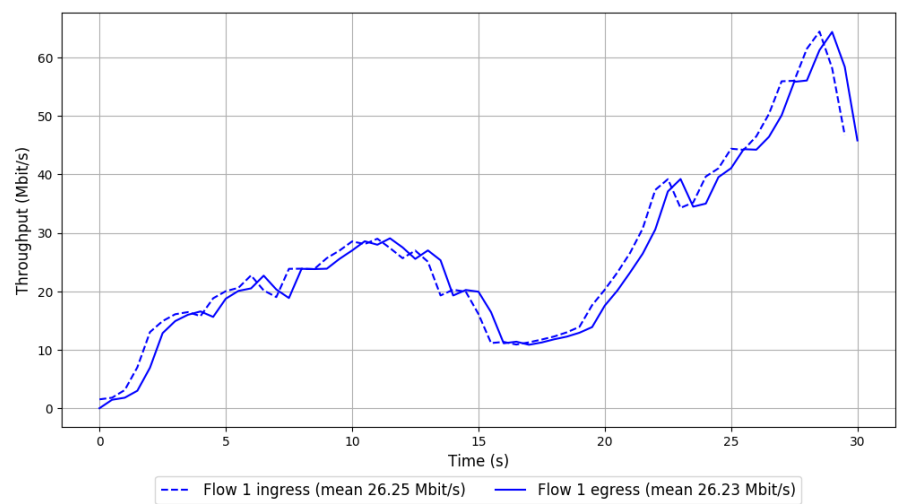


Run 1: Statistics of PCC-Vivace

Start at: 2018-06-30 06:47:57
End at: 2018-06-30 06:48:27
Local clock offset: -0.628 ms
Remote clock offset: -0.059 ms

Below is generated by plot.py at 2018-06-30 10:13:28
Datalink statistics
-- Total of 1 flow:
Average throughput: 26.23 Mbit/s
95th percentile per-packet one-way delay: 16.189 ms
Loss rate: 0.17%
-- Flow 1:
Average throughput: 26.23 Mbit/s
95th percentile per-packet one-way delay: 16.189 ms
Loss rate: 0.17%

Run 1: Report of PCC-Vivace — Data Link



Run 2: Statistics of PCC-Vivace

Start at: 2018-06-30 07:08:30

End at: 2018-06-30 07:09:00

Local clock offset: 0.591 ms

Remote clock offset: 13.361 ms

Below is generated by plot.py at 2018-06-30 10:13:28

Datalink statistics

-- Total of 1 flow:

Average throughput: 18.21 Mbit/s

95th percentile per-packet one-way delay: 19.458 ms

Loss rate: 0.27%

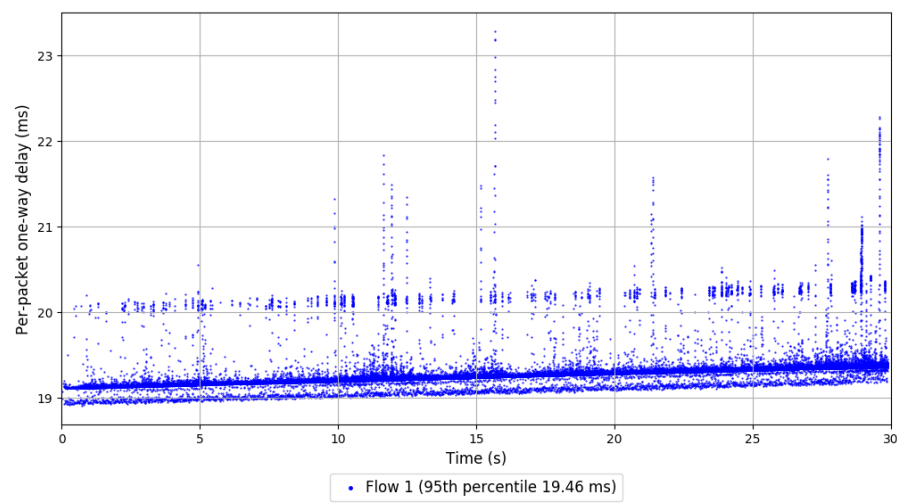
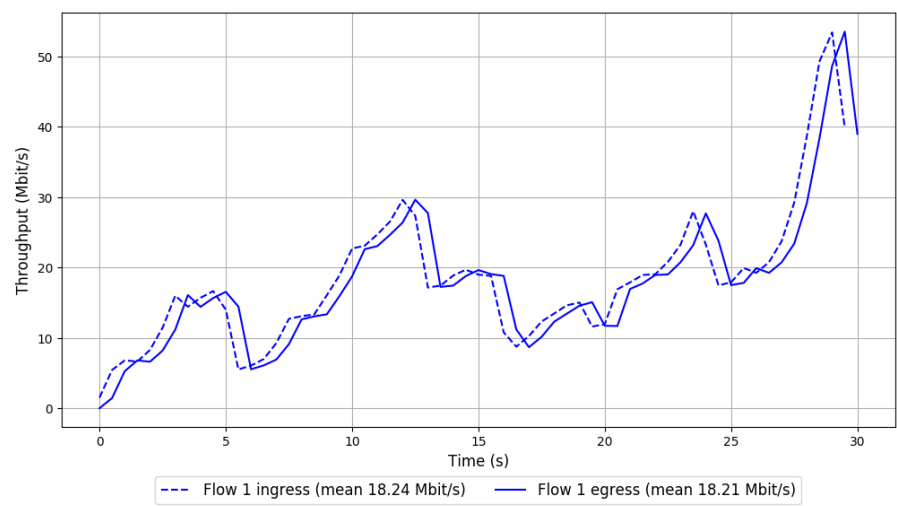
-- Flow 1:

Average throughput: 18.21 Mbit/s

95th percentile per-packet one-way delay: 19.458 ms

Loss rate: 0.27%

Run 2: Report of PCC-Vivace — Data Link



Run 3: Statistics of PCC-Vivace

Start at: 2018-06-30 07:28:58

End at: 2018-06-30 07:29:28

Local clock offset: -0.676 ms

Remote clock offset: 23.753 ms

Below is generated by plot.py at 2018-06-30 10:13:49

Datalink statistics

-- Total of 1 flow:

Average throughput: 55.80 Mbit/s

95th percentile per-packet one-way delay: 26.475 ms

Loss rate: 0.04%

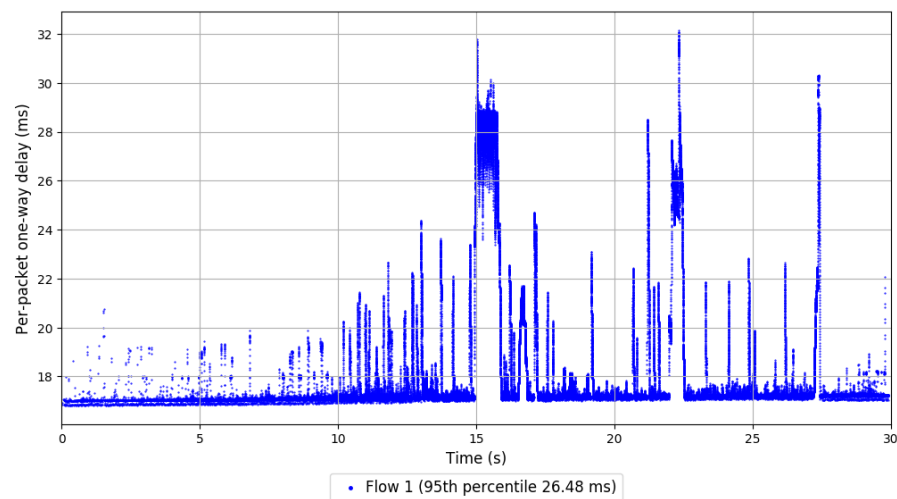
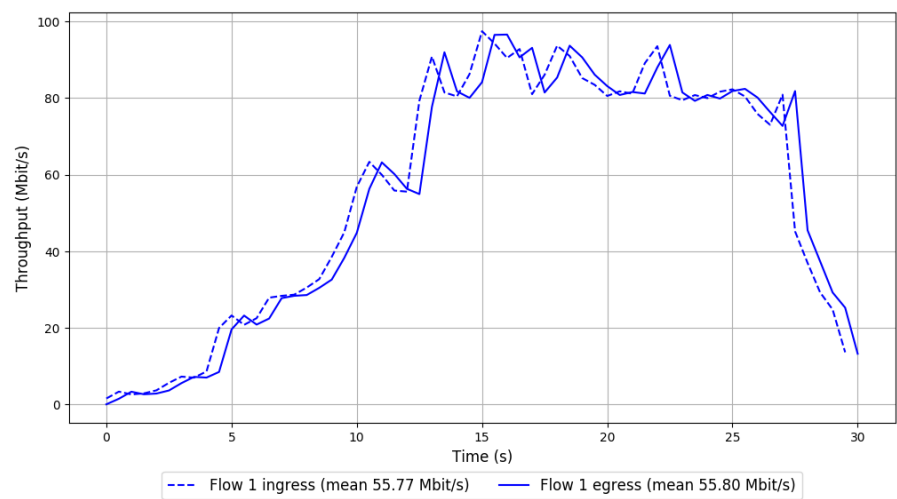
-- Flow 1:

Average throughput: 55.80 Mbit/s

95th percentile per-packet one-way delay: 26.475 ms

Loss rate: 0.04%

Run 3: Report of PCC-Vivace — Data Link



Run 4: Statistics of PCC-Vivace

Start at: 2018-06-30 07:49:07

End at: 2018-06-30 07:49:37

Local clock offset: -1.094 ms

Remote clock offset: 3.562 ms

Below is generated by plot.py at 2018-06-30 10:13:49

Datalink statistics

-- Total of 1 flow:

Average throughput: 25.55 Mbit/s

95th percentile per-packet one-way delay: 16.592 ms

Loss rate: 0.24%

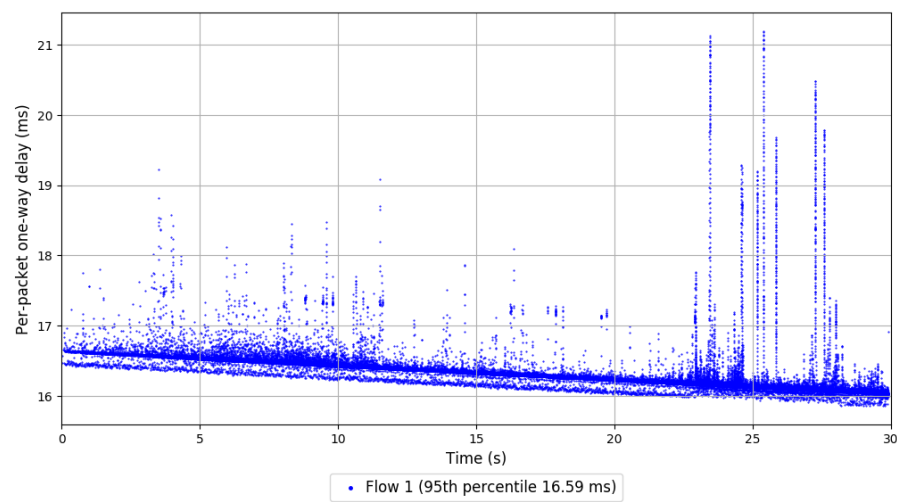
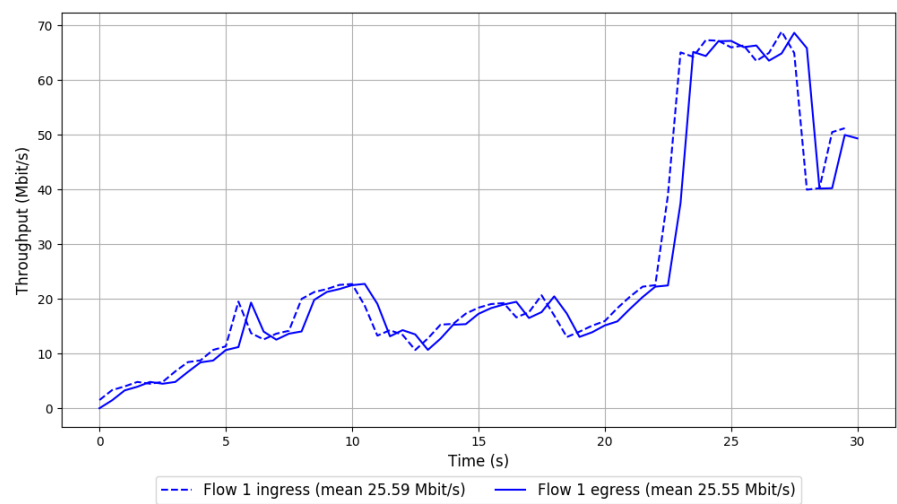
-- Flow 1:

Average throughput: 25.55 Mbit/s

95th percentile per-packet one-way delay: 16.592 ms

Loss rate: 0.24%

Run 4: Report of PCC-Vivace — Data Link



Run 5: Statistics of PCC-Vivace

Start at: 2018-06-30 08:09:23

End at: 2018-06-30 08:09:53

Local clock offset: -5.389 ms

Remote clock offset: -8.473 ms

Below is generated by plot.py at 2018-06-30 10:13:49

Datalink statistics

-- Total of 1 flow:

Average throughput: 19.98 Mbit/s

95th percentile per-packet one-way delay: 12.049 ms

Loss rate: 0.03%

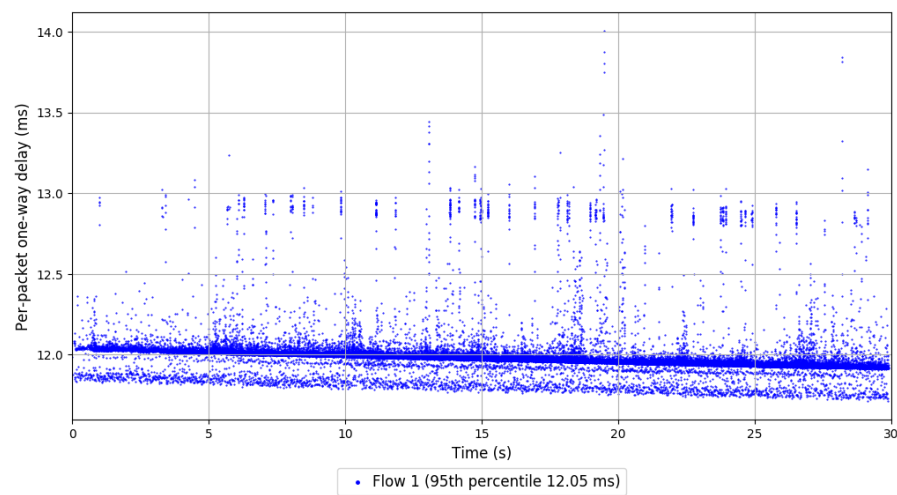
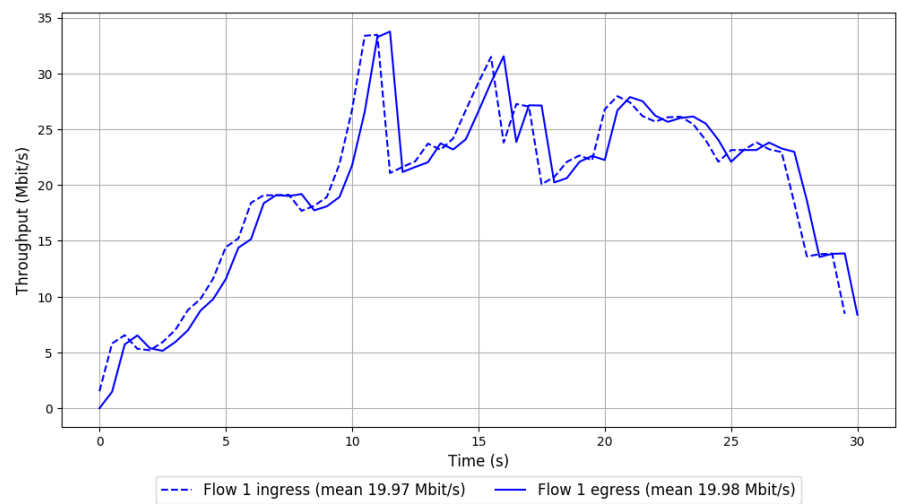
-- Flow 1:

Average throughput: 19.98 Mbit/s

95th percentile per-packet one-way delay: 12.049 ms

Loss rate: 0.03%

Run 5: Report of PCC-Vivace — Data Link



Run 6: Statistics of PCC-Vivace

Start at: 2018-06-30 08:29:24

End at: 2018-06-30 08:29:55

Local clock offset: -3.026 ms

Remote clock offset: -1.72 ms

Below is generated by plot.py at 2018-06-30 10:13:49

Datalink statistics

-- Total of 1 flow:

Average throughput: 32.82 Mbit/s

95th percentile per-packet one-way delay: 14.780 ms

Loss rate: 0.19%

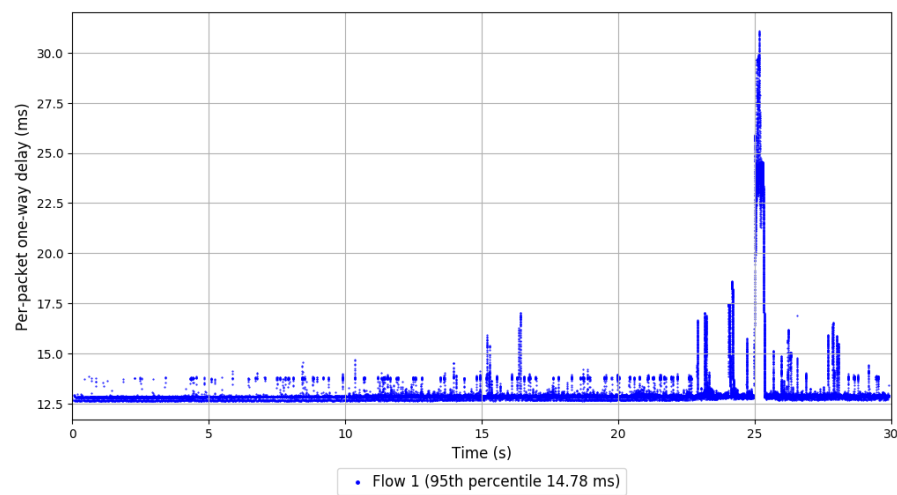
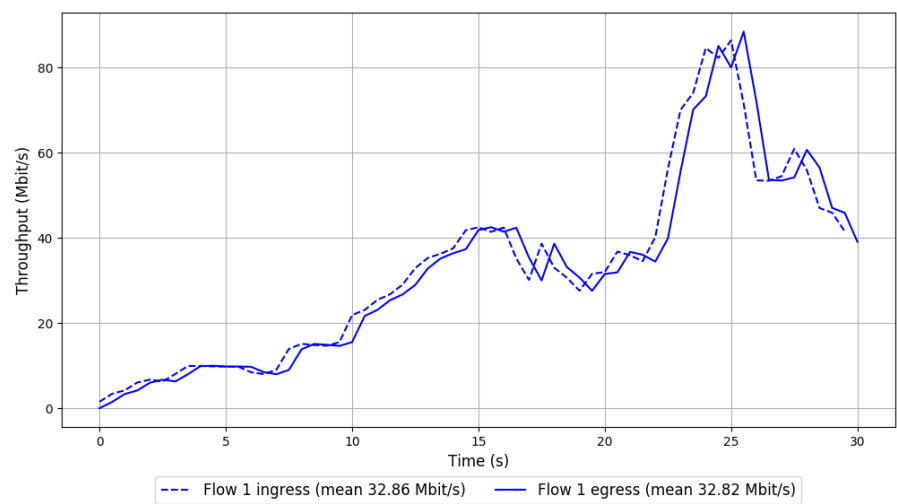
-- Flow 1:

Average throughput: 32.82 Mbit/s

95th percentile per-packet one-way delay: 14.780 ms

Loss rate: 0.19%

Run 6: Report of PCC-Vivace — Data Link

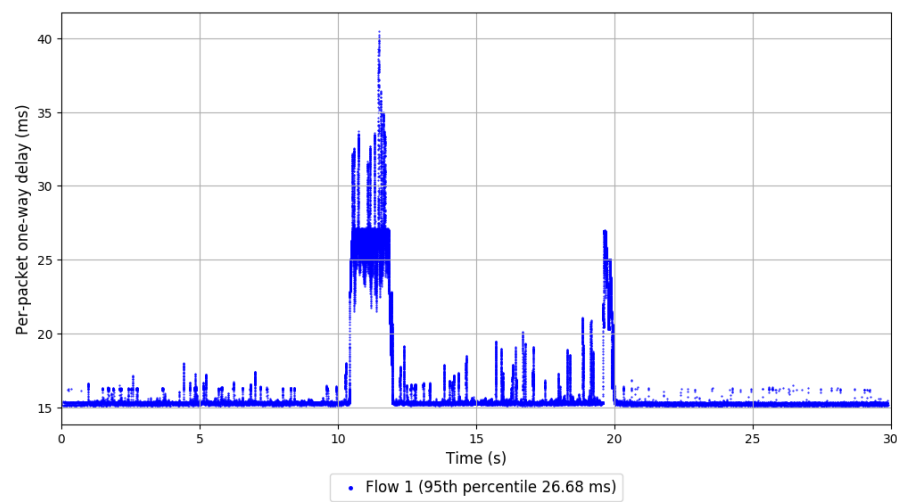
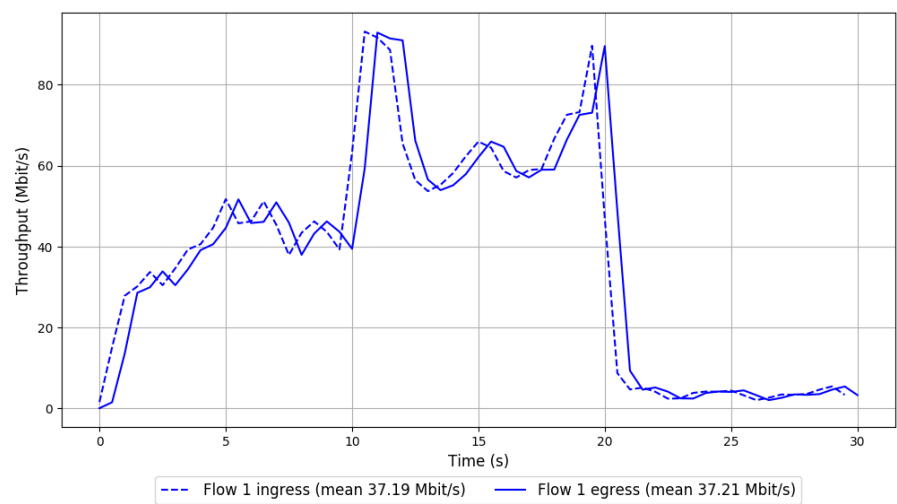


Run 7: Statistics of PCC-Vivace

Start at: 2018-06-30 08:49:16
End at: 2018-06-30 08:49:46
Local clock offset: -0.125 ms
Remote clock offset: -0.601 ms

Below is generated by plot.py at 2018-06-30 10:13:49
Datalink statistics
-- Total of 1 flow:
Average throughput: 37.21 Mbit/s
95th percentile per-packet one-way delay: 26.678 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 37.21 Mbit/s
95th percentile per-packet one-way delay: 26.678 ms
Loss rate: 0.04%

Run 7: Report of PCC-Vivace — Data Link



Run 8: Statistics of PCC-Vivace

Start at: 2018-06-30 09:08:45

End at: 2018-06-30 09:09:15

Local clock offset: 0.5 ms

Remote clock offset: 0.556 ms

Below is generated by plot.py at 2018-06-30 10:13:49

Datalink statistics

-- Total of 1 flow:

Average throughput: 27.13 Mbit/s

95th percentile per-packet one-way delay: 25.694 ms

Loss rate: 0.35%

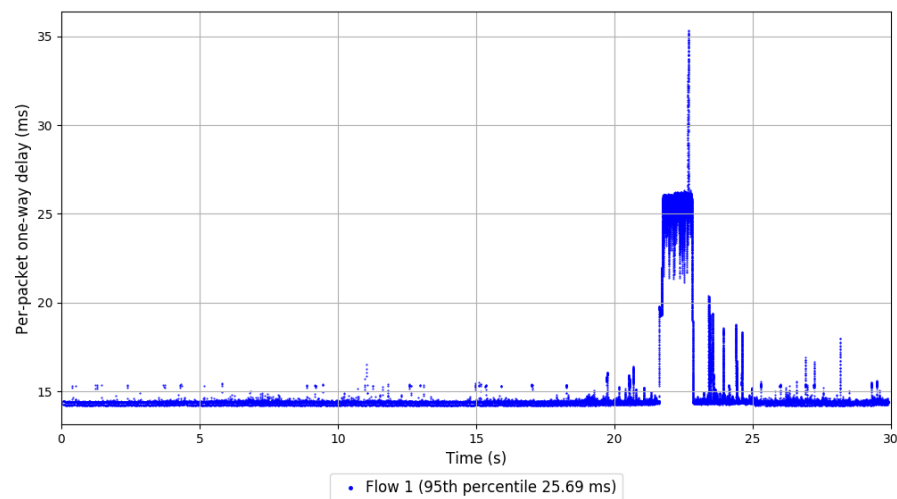
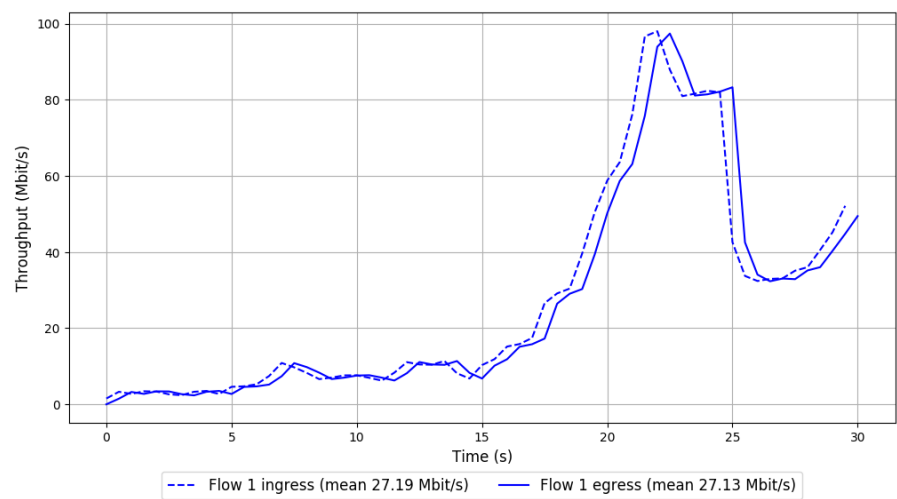
-- Flow 1:

Average throughput: 27.13 Mbit/s

95th percentile per-packet one-way delay: 25.694 ms

Loss rate: 0.35%

Run 8: Report of PCC-Vivace — Data Link



Run 9: Statistics of PCC-Vivace

Start at: 2018-06-30 09:28:35

End at: 2018-06-30 09:29:05

Local clock offset: 0.887 ms

Remote clock offset: -1.34 ms

Below is generated by plot.py at 2018-06-30 10:13:49

Datalink statistics

-- Total of 1 flow:

Average throughput: 17.76 Mbit/s

95th percentile per-packet one-way delay: 17.404 ms

Loss rate: 0.04%

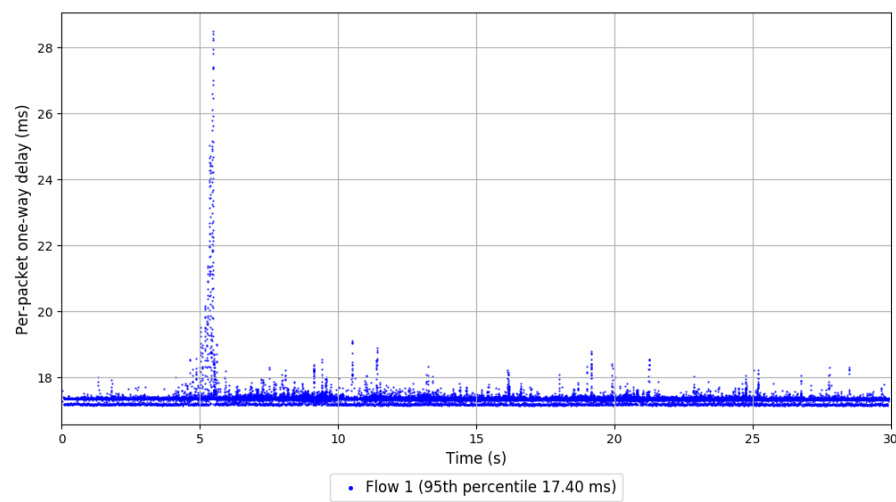
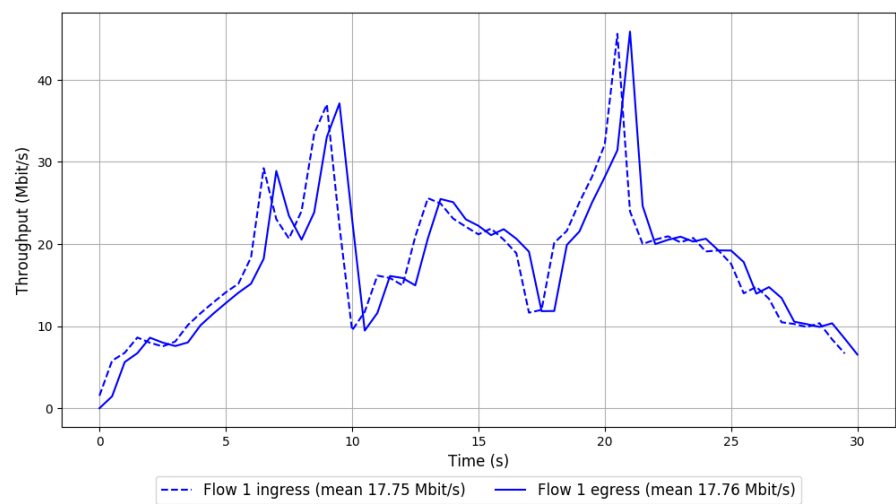
-- Flow 1:

Average throughput: 17.76 Mbit/s

95th percentile per-packet one-way delay: 17.404 ms

Loss rate: 0.04%

Run 9: Report of PCC-Vivace — Data Link



Run 10: Statistics of PCC-Vivace

Start at: 2018-06-30 09:48:24

End at: 2018-06-30 09:48:54

Local clock offset: 1.186 ms

Remote clock offset: -3.444 ms

Below is generated by plot.py at 2018-06-30 10:13:50

Datalink statistics

-- Total of 1 flow:

Average throughput: 33.91 Mbit/s

95th percentile per-packet one-way delay: 31.770 ms

Loss rate: 0.24%

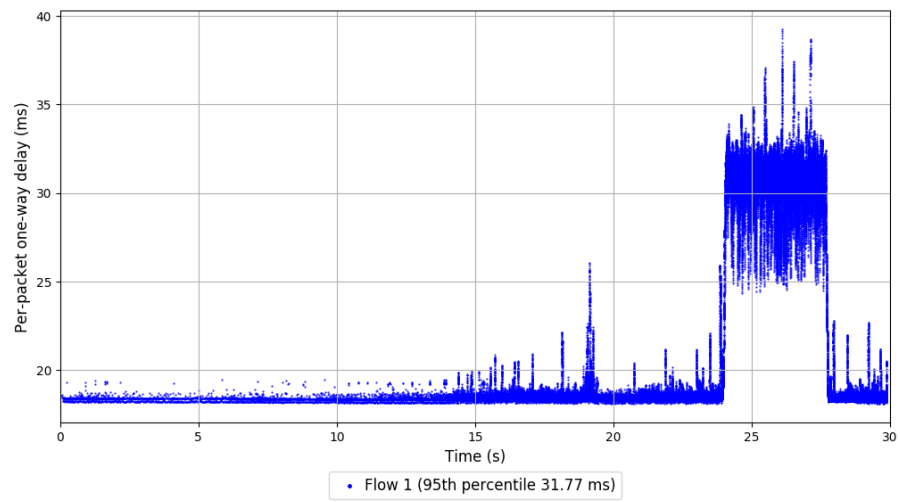
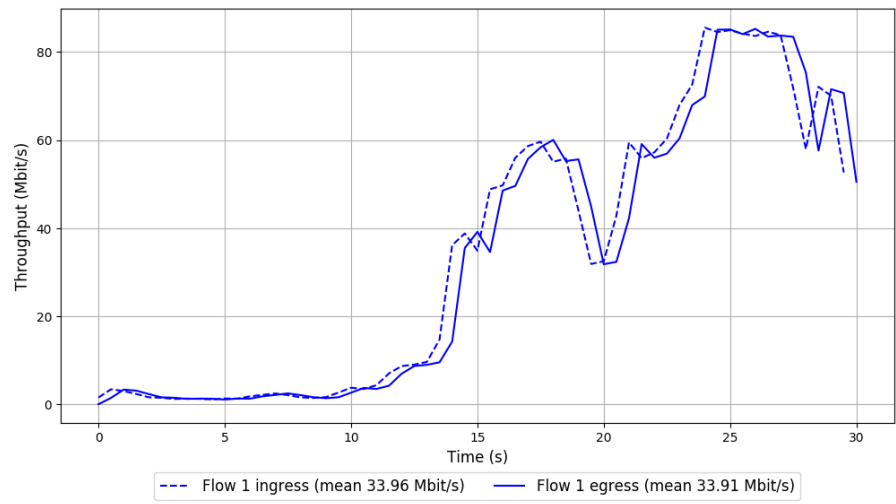
-- Flow 1:

Average throughput: 33.91 Mbit/s

95th percentile per-packet one-way delay: 31.770 ms

Loss rate: 0.24%

Run 10: Report of PCC-Vivace — Data Link



Run 1: Statistics of WebRTC media

Start at: 2018-06-30 06:50:17

End at: 2018-06-30 06:50:47

Local clock offset: -2.843 ms

Remote clock offset: 2.016 ms

Below is generated by plot.py at 2018-06-30 10:13:50

Datalink statistics

-- Total of 1 flow:

Average throughput: 2.38 Mbit/s

95th percentile per-packet one-way delay: 14.140 ms

Loss rate: 0.06%

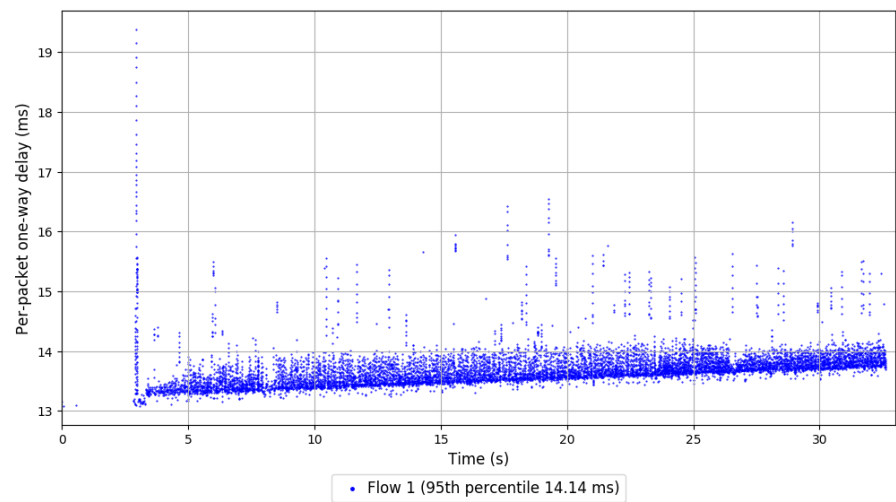
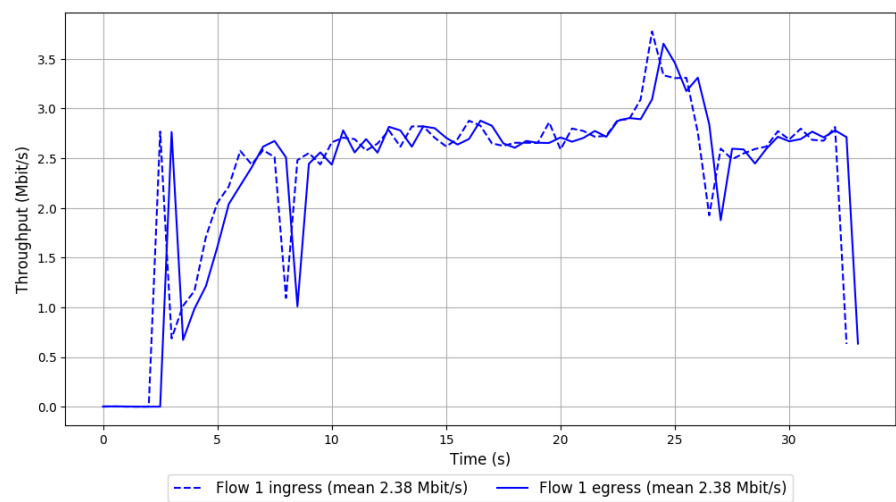
-- Flow 1:

Average throughput: 2.38 Mbit/s

95th percentile per-packet one-way delay: 14.140 ms

Loss rate: 0.06%

Run 1: Report of WebRTC media — Data Link

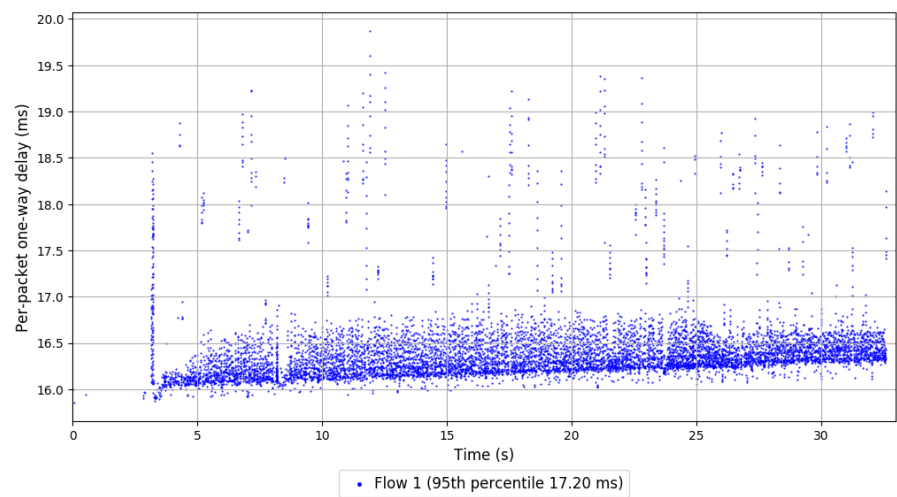
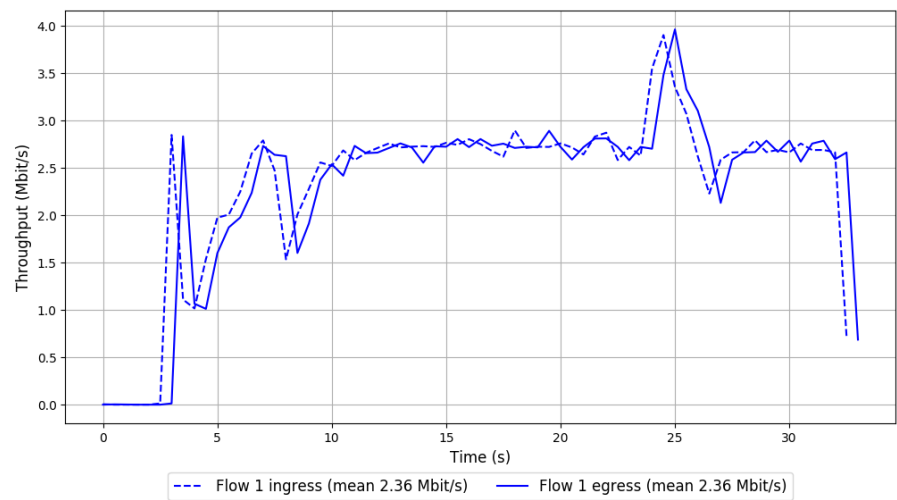


Run 2: Statistics of WebRTC media

Start at: 2018-06-30 07:10:56
End at: 2018-06-30 07:11:26
Local clock offset: -2.528 ms
Remote clock offset: 14.598 ms

Below is generated by plot.py at 2018-06-30 10:13:50
Datalink statistics
-- Total of 1 flow:
Average throughput: 2.36 Mbit/s
95th percentile per-packet one-way delay: 17.201 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 2.36 Mbit/s
95th percentile per-packet one-way delay: 17.201 ms
Loss rate: 0.09%

Run 2: Report of WebRTC media — Data Link



Run 3: Statistics of WebRTC media

Start at: 2018-06-30 07:31:29

End at: 2018-06-30 07:31:59

Local clock offset: -3.203 ms

Remote clock offset: 24.43 ms

Below is generated by plot.py at 2018-06-30 10:13:50

Datalink statistics

-- Total of 1 flow:

Average throughput: 2.40 Mbit/s

95th percentile per-packet one-way delay: 15.547 ms

Loss rate: 0.06%

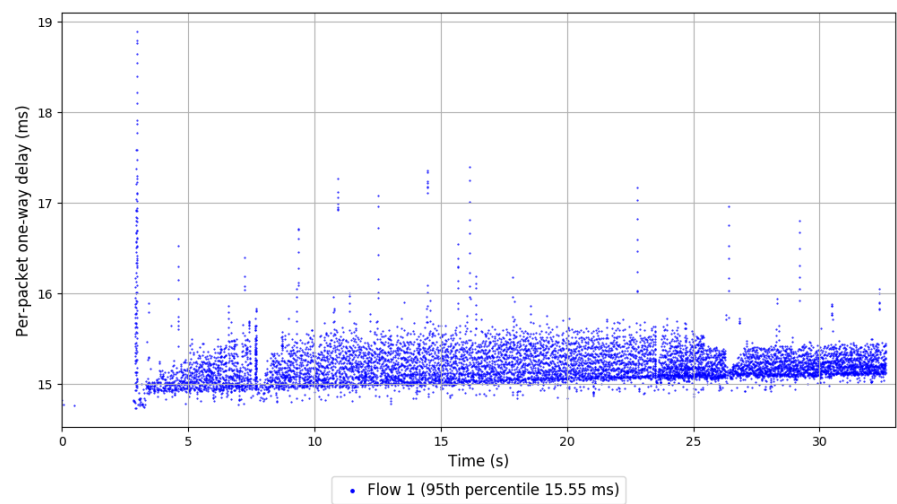
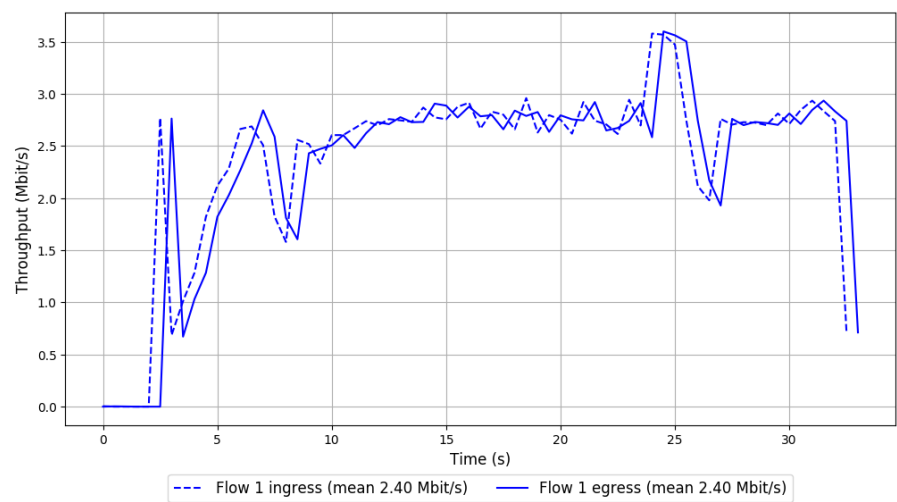
-- Flow 1:

Average throughput: 2.40 Mbit/s

95th percentile per-packet one-way delay: 15.547 ms

Loss rate: 0.06%

Run 3: Report of WebRTC media — Data Link



Run 4: Statistics of WebRTC media

Start at: 2018-06-30 07:51:25

End at: 2018-06-30 07:51:55

Local clock offset: -3.409 ms

Remote clock offset: 0.486 ms

Below is generated by plot.py at 2018-06-30 10:13:50

Datalink statistics

-- Total of 1 flow:

Average throughput: 2.43 Mbit/s

95th percentile per-packet one-way delay: 15.192 ms

Loss rate: 0.12%

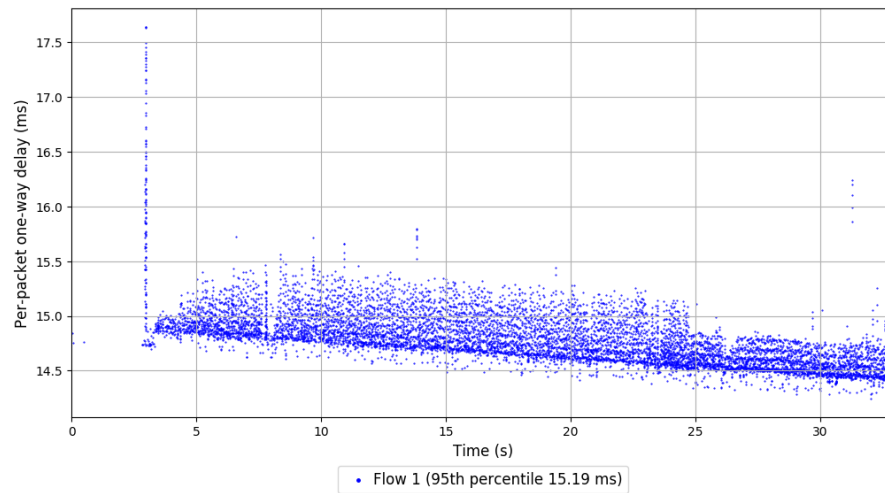
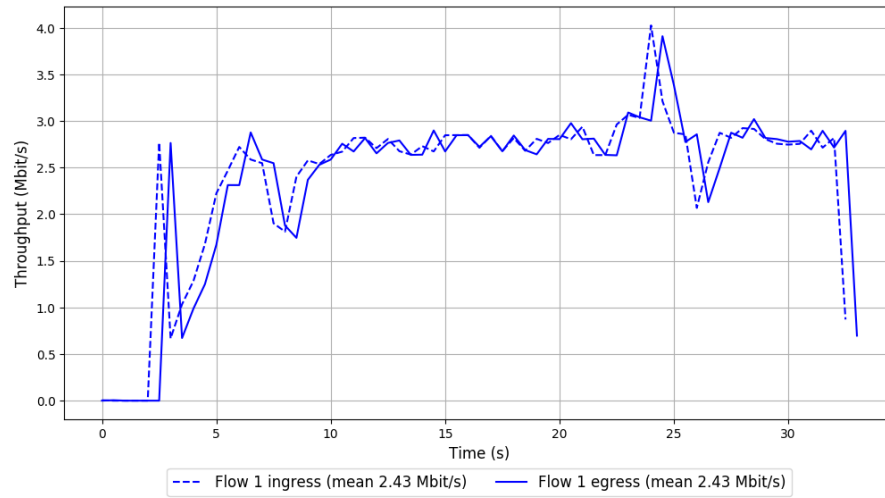
-- Flow 1:

Average throughput: 2.43 Mbit/s

95th percentile per-packet one-way delay: 15.192 ms

Loss rate: 0.12%

Run 4: Report of WebRTC media — Data Link

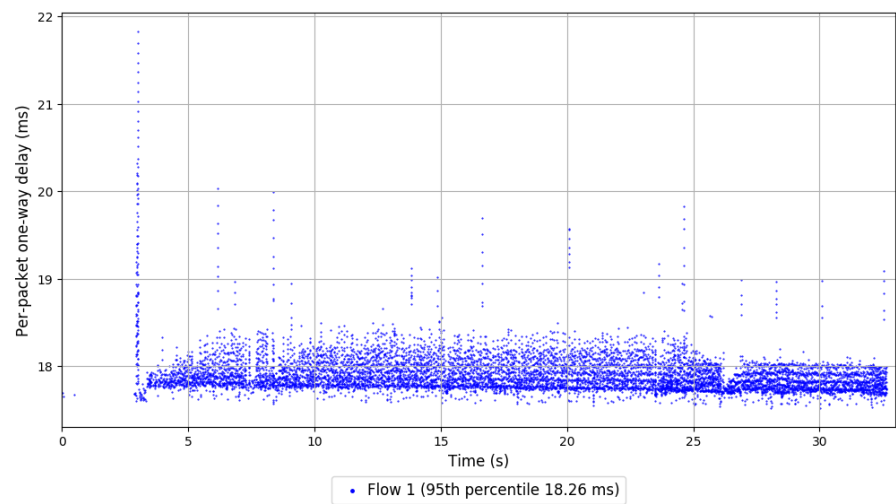
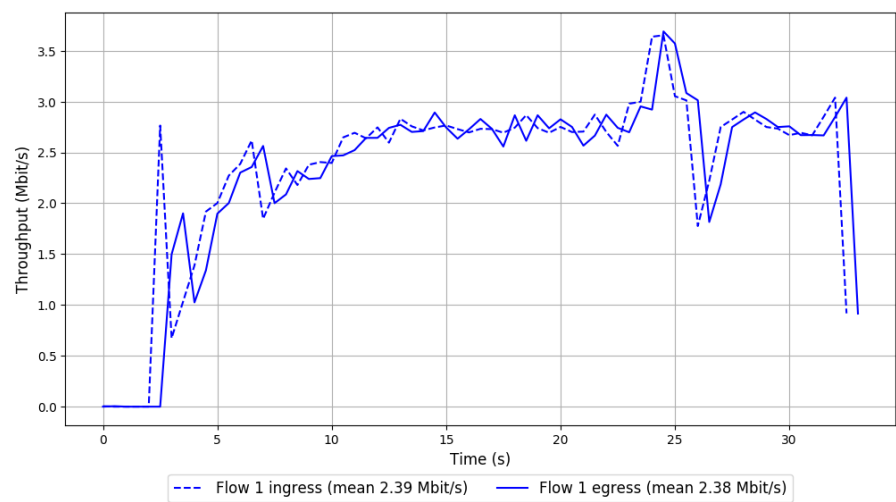


Run 5: Statistics of WebRTC media

Start at: 2018-06-30 08:11:44
End at: 2018-06-30 08:12:14
Local clock offset: 0.028 ms
Remote clock offset: -9.295 ms

Below is generated by plot.py at 2018-06-30 10:13:50
Datalink statistics
-- Total of 1 flow:
Average throughput: 2.38 Mbit/s
95th percentile per-packet one-way delay: 18.263 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 2.38 Mbit/s
95th percentile per-packet one-way delay: 18.263 ms
Loss rate: 0.07%

Run 5: Report of WebRTC media — Data Link

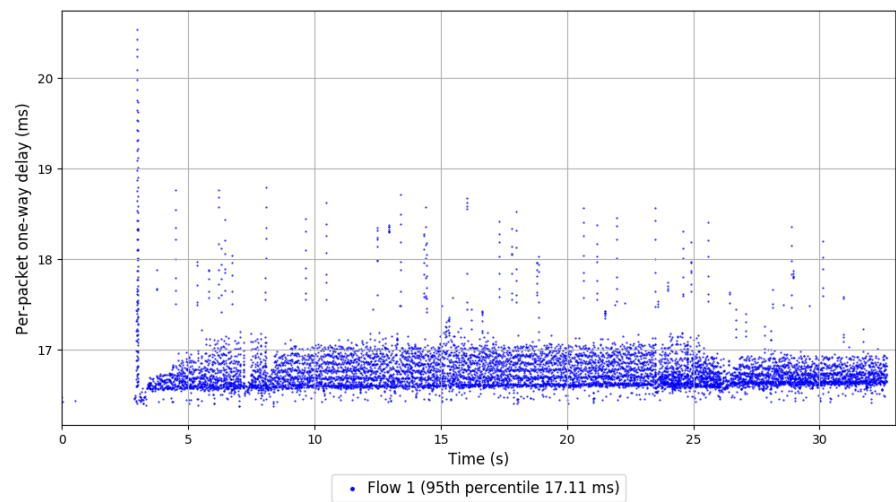
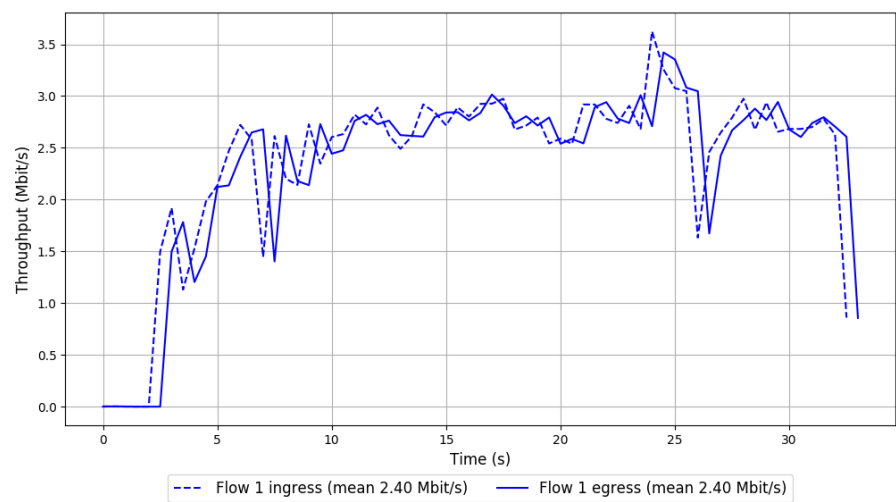


Run 6: Statistics of WebRTC media

Start at: 2018-06-30 08:31:41
End at: 2018-06-30 08:32:11
Local clock offset: 0.544 ms
Remote clock offset: -1.666 ms

Below is generated by plot.py at 2018-06-30 10:13:50
Datalink statistics
-- Total of 1 flow:
Average throughput: 2.40 Mbit/s
95th percentile per-packet one-way delay: 17.106 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 2.40 Mbit/s
95th percentile per-packet one-way delay: 17.106 ms
Loss rate: 0.06%

Run 6: Report of WebRTC media — Data Link

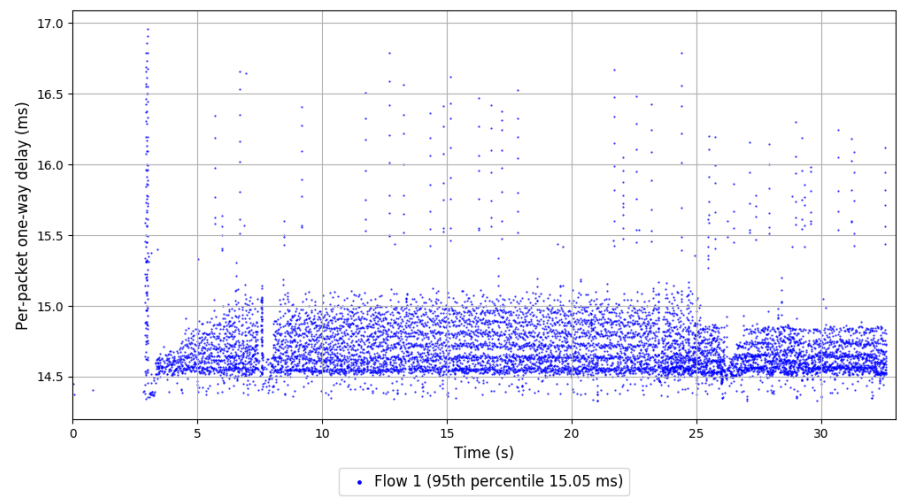
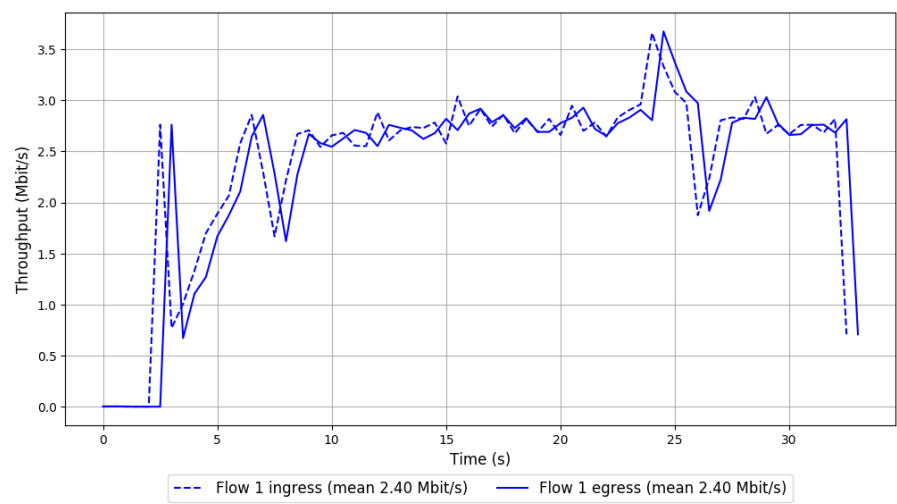


Run 7: Statistics of WebRTC media

Start at: 2018-06-30 08:51:33
End at: 2018-06-30 08:52:03
Local clock offset: -0.443 ms
Remote clock offset: -0.149 ms

Below is generated by plot.py at 2018-06-30 10:13:50
Datalink statistics
-- Total of 1 flow:
Average throughput: 2.40 Mbit/s
95th percentile per-packet one-way delay: 15.050 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 2.40 Mbit/s
95th percentile per-packet one-way delay: 15.050 ms
Loss rate: 0.06%

Run 7: Report of WebRTC media — Data Link

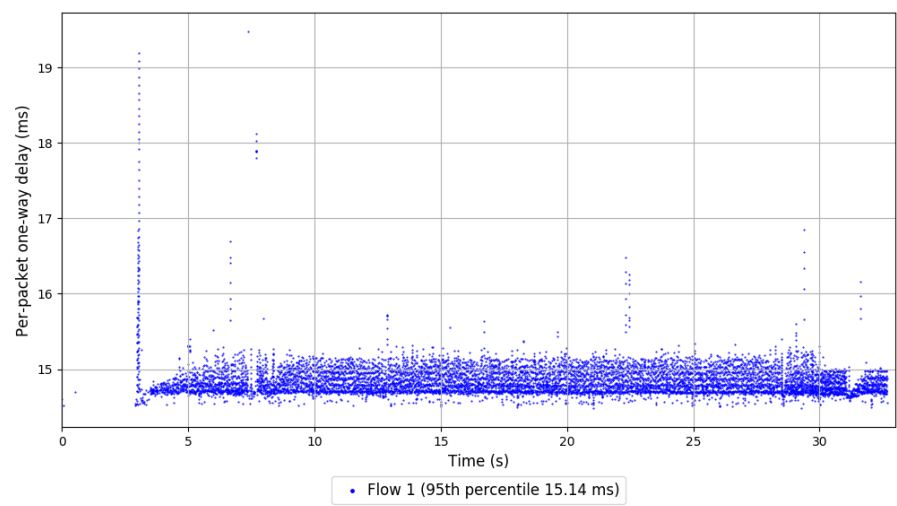
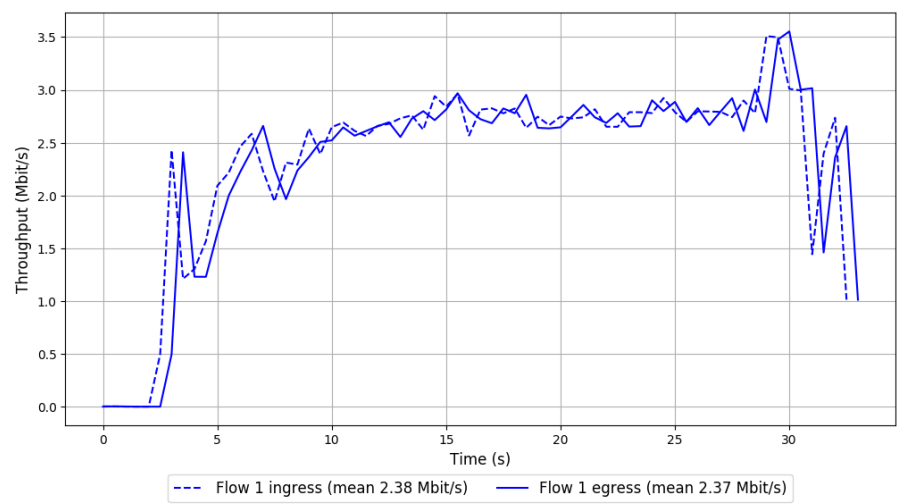


Run 8: Statistics of WebRTC media

Start at: 2018-06-30 09:11:05
End at: 2018-06-30 09:11:35
Local clock offset: -0.381 ms
Remote clock offset: -0.692 ms

Below is generated by plot.py at 2018-06-30 10:13:50
Datalink statistics
-- Total of 1 flow:
Average throughput: 2.37 Mbit/s
95th percentile per-packet one-way delay: 15.137 ms
Loss rate: 0.11%
-- Flow 1:
Average throughput: 2.37 Mbit/s
95th percentile per-packet one-way delay: 15.137 ms
Loss rate: 0.11%

Run 8: Report of WebRTC media — Data Link

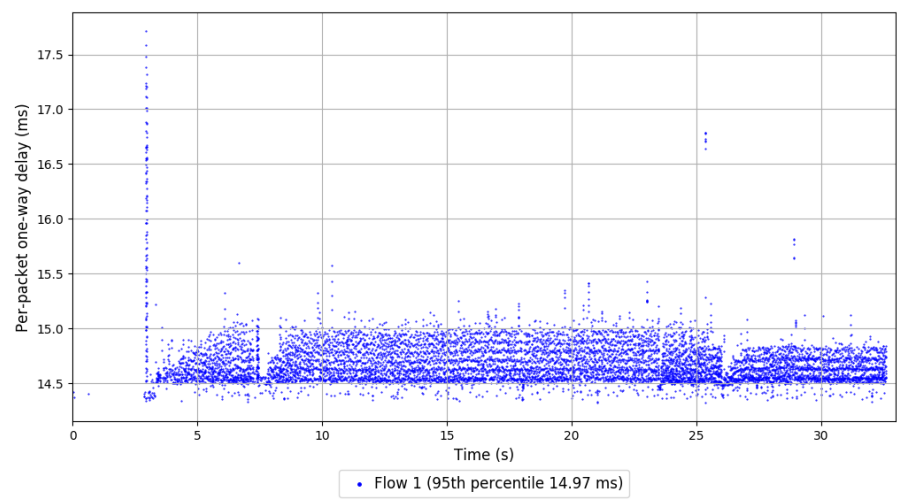
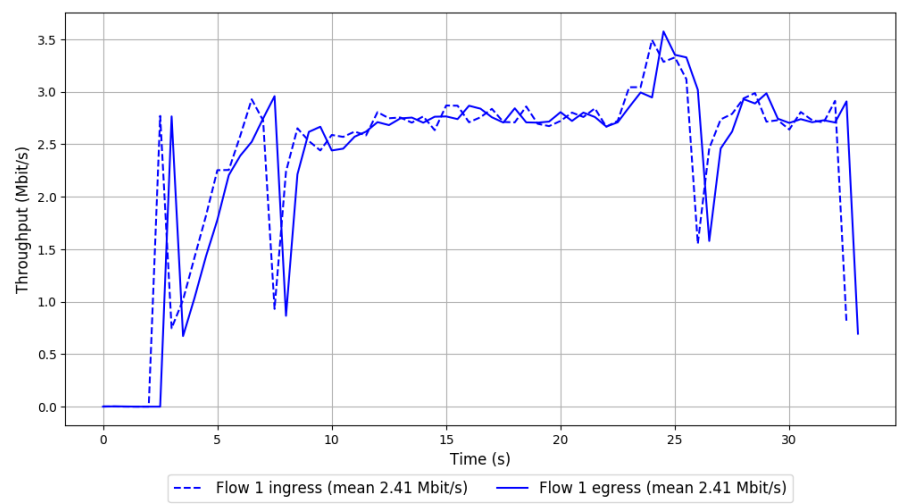


Run 9: Statistics of WebRTC media

Start at: 2018-06-30 09:30:51
End at: 2018-06-30 09:31:21
Local clock offset: -2.043 ms
Remote clock offset: -1.488 ms

Below is generated by plot.py at 2018-06-30 10:13:50
Datalink statistics
-- Total of 1 flow:
Average throughput: 2.41 Mbit/s
95th percentile per-packet one-way delay: 14.975 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 2.41 Mbit/s
95th percentile per-packet one-way delay: 14.975 ms
Loss rate: 0.13%

Run 9: Report of WebRTC media — Data Link



Run 10: Statistics of WebRTC media

Start at: 2018-06-30 09:50:41
End at: 2018-06-30 09:51:11
Local clock offset: -0.998 ms
Remote clock offset: -3.557 ms

Below is generated by plot.py at 2018-06-30 10:13:50
Datalink statistics
-- Total of 1 flow:
Average throughput: 2.36 Mbit/s
95th percentile per-packet one-way delay: 16.388 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 2.36 Mbit/s
95th percentile per-packet one-way delay: 16.388 ms
Loss rate: 0.13%

Run 10: Report of WebRTC media — Data Link

