

Pantheon Report

Generated at 2018-07-04 06:37:16 (UTC).

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

Repeated the test of 17 congestion control schemes 10 times.

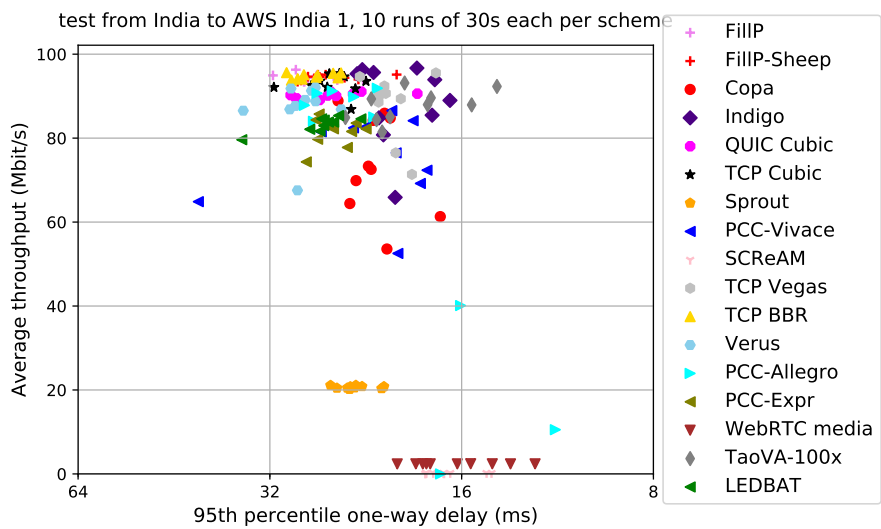
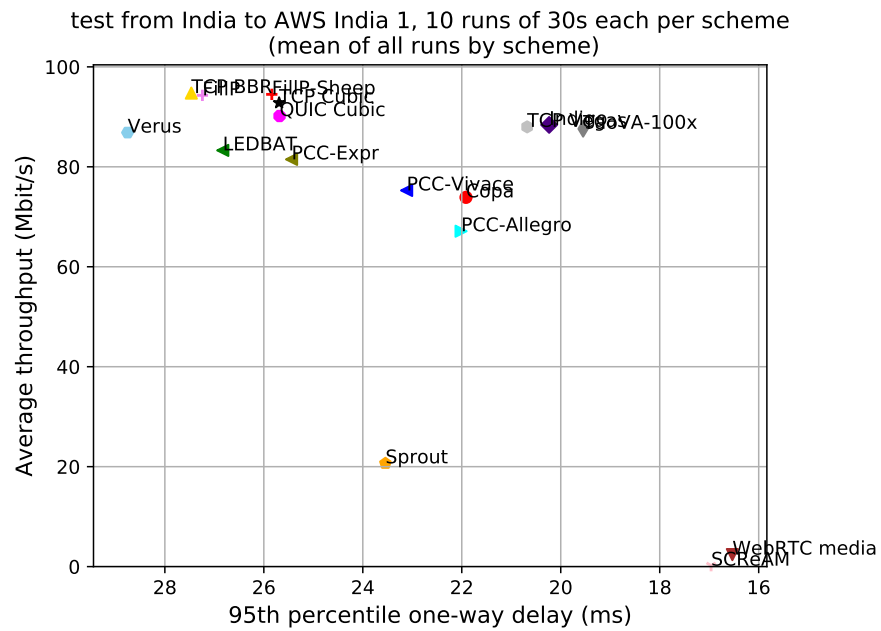
Each test lasted for 30 seconds running 1 flow.

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 @ 9250dbeec7fb57193cdff1ba8c440b4e16ab30f0
third_party/fillp @ d47f4fa1b454a5e3c0537115c5a28436dbd4b834
third_party/fillp-sheep @ 37162fe9af85249aeccac061c93e75640ef710b5
third_party/genericCC @ d0153f8e594aa89e93b032143cedbdf58e562f4
third_party/indigo @ 2601c92e4aa9d58d38dc4dfe0ecdbf90c077e64d
third_party/libutp @ b3465b942e2826f2b179eaab4a906ce6bb7cf3cf
third_party/pantheon-tunnel @ 6f038ed31259d366f9840f65b82cbe8f464b1b39
third_party/pcc @ 1afc958fa0d66d18b623c091a55fec872b4981e1
  M receiver/src/buffer.h
  M receiver/src/core.cpp
  M sender/src/buffer.h
  M sender/src/core.cpp
third_party/pcc-experimental @ cd43e34e3f5f5613e8acd08fab92c4eb24f974ab
third_party/proto-quirk @ 77961f1a82733a86b42f1bc8143ebc978f3cff42
third_party/scream-reproduce @ f099118d1421aa3131bf11ff1964974e1da3bdb2
  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
```



scheme	# runs	mean avg tput (Mbit/s) flow 1	mean 95th-%ile delay (ms) flow 1	mean loss rate (%) flow 1
TCP BBR	10	94.75	27.46	2.48
Copa	10	73.89	21.91	0.09
TCP Cubic	10	92.80	25.69	0.12
FillP	10	94.30	27.24	0.12
FillP-Sheep	10	94.50	25.84	0.12
Indigo	10	88.39	20.23	0.09
LEDBAT	10	83.28	26.83	0.10
PCC-Allegro	10	67.11	22.01	0.14
PCC-Expr	10	81.49	25.44	0.14
QUIC Cubic	10	90.17	25.68	0.12
SCReAM	10	0.19	16.96	0.18
Sprout	10	20.67	23.54	0.12
TaoVA-100x	10	87.61	19.55	0.10
TCP Vegas	10	87.99	20.68	0.08
Verus	10	86.85	28.75	0.22
PCC-Vivace	10	75.27	23.11	0.10
WebRTC media	10	2.40	16.53	0.08

Run 1: Statistics of TCP BBR

Start at: 2018-07-04 03:06:35

End at: 2018-07-04 03:07:05

Local clock offset: 1.239 ms

Remote clock offset: -5.794 ms

Below is generated by plot.py at 2018-07-04 06:16:06

Datalink statistics

-- Total of 1 flow:

Average throughput: 94.07 Mbit/s

95th percentile per-packet one-way delay: 28.482 ms

Loss rate: 3.42%

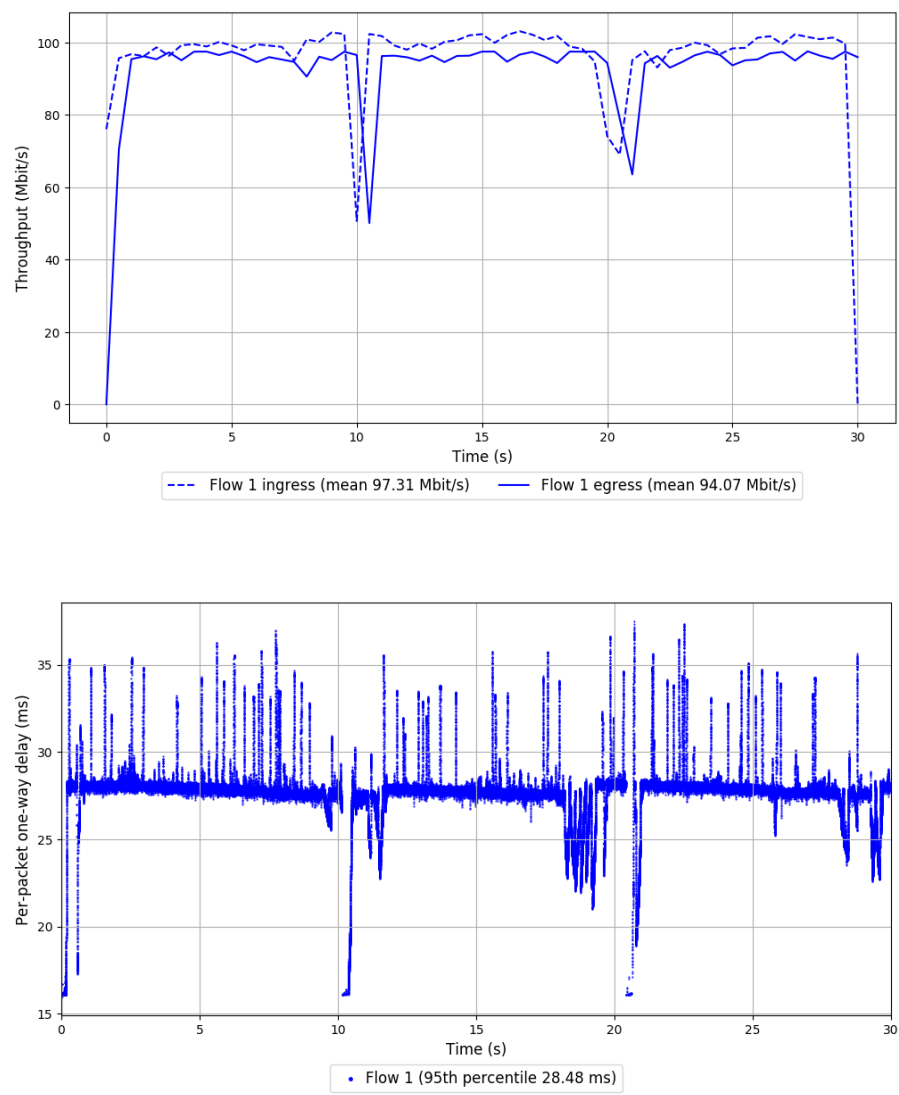
-- Flow 1:

Average throughput: 94.07 Mbit/s

95th percentile per-packet one-way delay: 28.482 ms

Loss rate: 3.42%

Run 1: Report of TCP BBR — Data Link

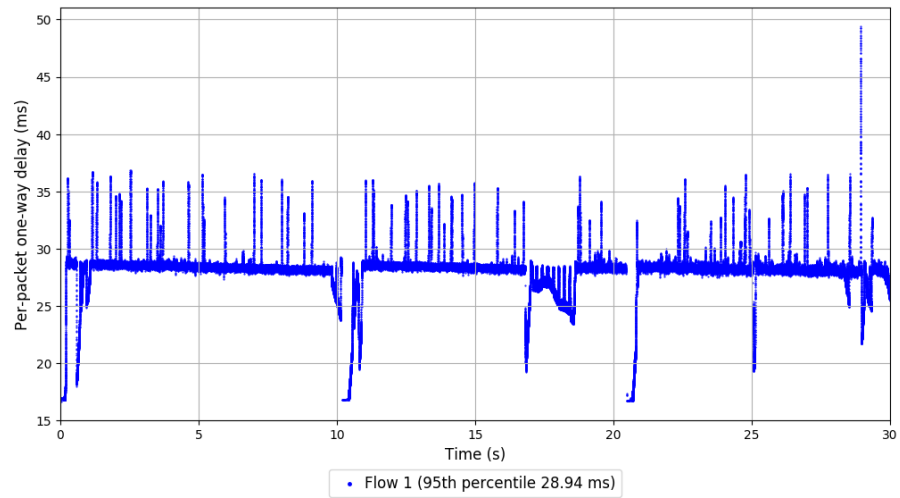
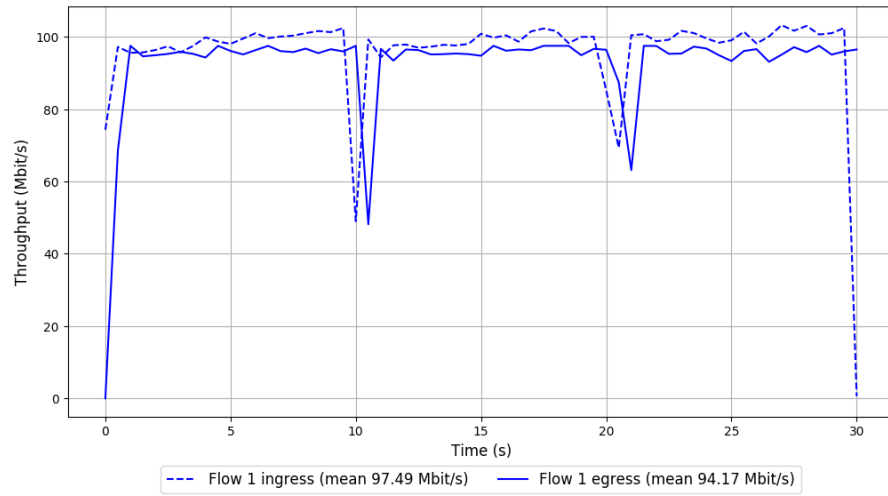


Run 2: Statistics of TCP BBR

Start at: 2018-07-04 03:27:00
End at: 2018-07-04 03:27:30
Local clock offset: 2.382 ms
Remote clock offset: -10.444 ms

Below is generated by plot.py at 2018-07-04 06:16:06
Datalink statistics
-- Total of 1 flow:
Average throughput: 94.17 Mbit/s
95th percentile per-packet one-way delay: 28.944 ms
Loss rate: 3.49%
-- Flow 1:
Average throughput: 94.17 Mbit/s
95th percentile per-packet one-way delay: 28.944 ms
Loss rate: 3.49%

Run 2: Report of TCP BBR — Data Link

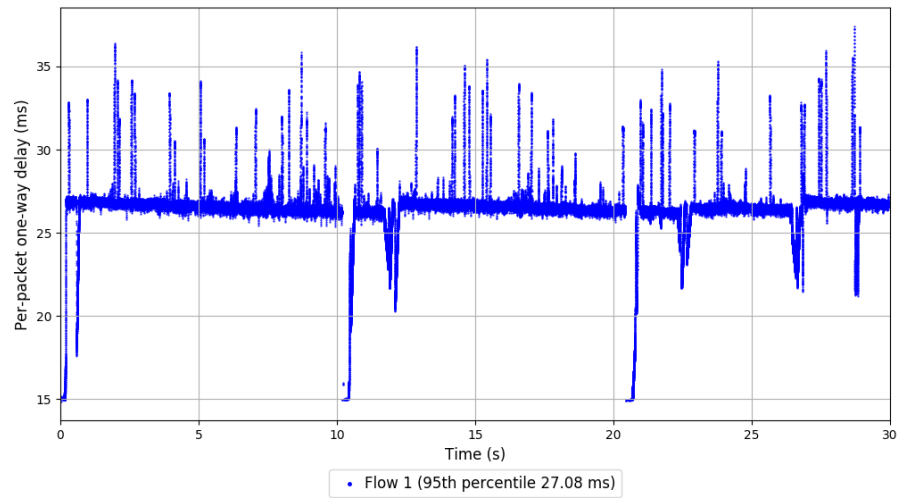
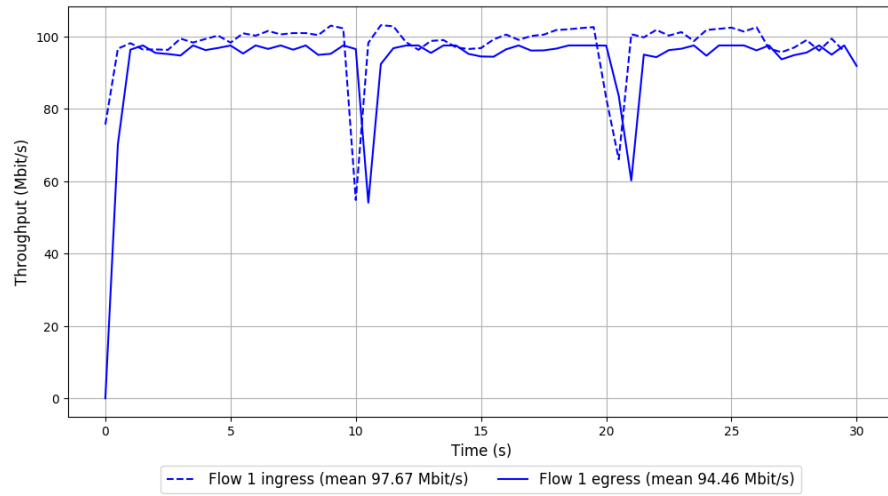


Run 3: Statistics of TCP BBR

Start at: 2018-07-04 03:47:11
End at: 2018-07-04 03:47:41
Local clock offset: -0.479 ms
Remote clock offset: -14.966 ms

Below is generated by plot.py at 2018-07-04 06:16:07
Datalink statistics
-- Total of 1 flow:
Average throughput: 94.46 Mbit/s
95th percentile per-packet one-way delay: 27.083 ms
Loss rate: 3.39%
-- Flow 1:
Average throughput: 94.46 Mbit/s
95th percentile per-packet one-way delay: 27.083 ms
Loss rate: 3.39%

Run 3: Report of TCP BBR — Data Link

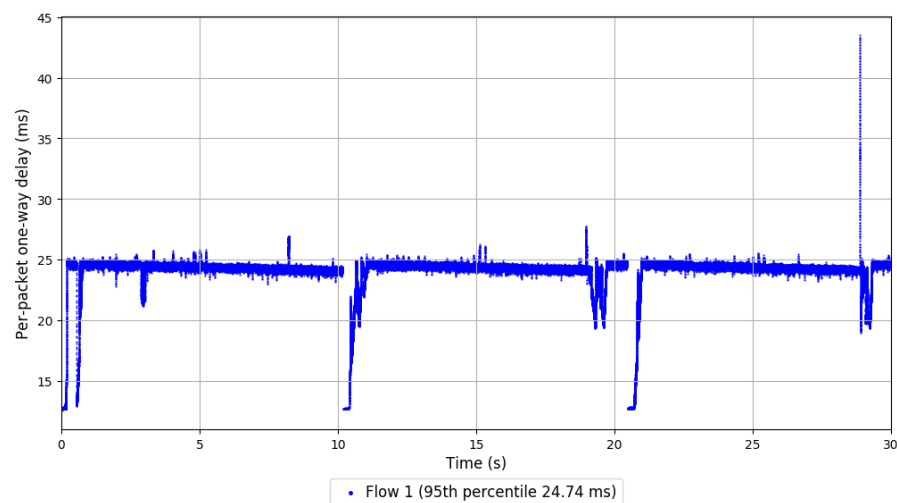
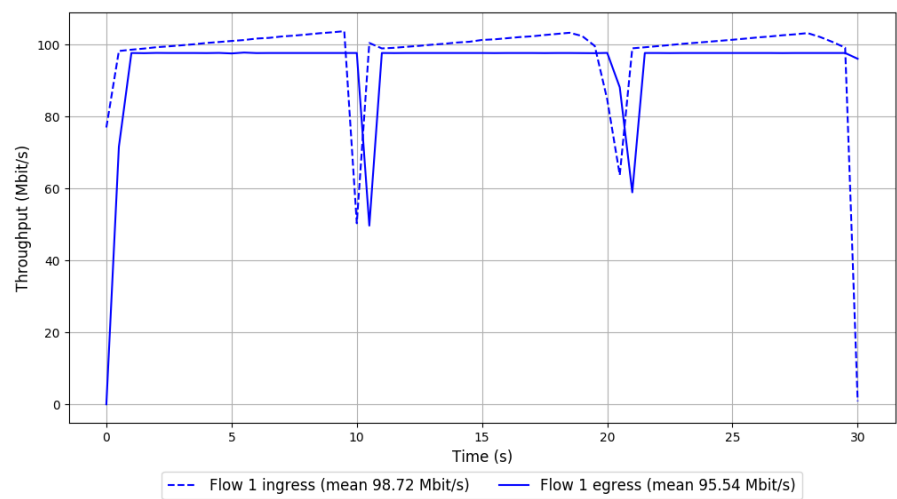


Run 4: Statistics of TCP BBR

Start at: 2018-07-04 04:07:19
End at: 2018-07-04 04:07:49
Local clock offset: -2.253 ms
Remote clock offset: -10.331 ms

Below is generated by plot.py at 2018-07-04 06:16:08
Datalink statistics
-- Total of 1 flow:
Average throughput: 95.54 Mbit/s
95th percentile per-packet one-way delay: 24.741 ms
Loss rate: 3.32%
-- Flow 1:
Average throughput: 95.54 Mbit/s
95th percentile per-packet one-way delay: 24.741 ms
Loss rate: 3.32%

Run 4: Report of TCP BBR — Data Link



Run 5: Statistics of TCP BBR

Start at: 2018-07-04 04:27:25

End at: 2018-07-04 04:27:55

Local clock offset: 2.195 ms

Remote clock offset: -7.922 ms

Below is generated by plot.py at 2018-07-04 06:16:08

Datalink statistics

-- Total of 1 flow:

Average throughput: 95.61 Mbit/s

95th percentile per-packet one-way delay: 30.124 ms

Loss rate: 2.55%

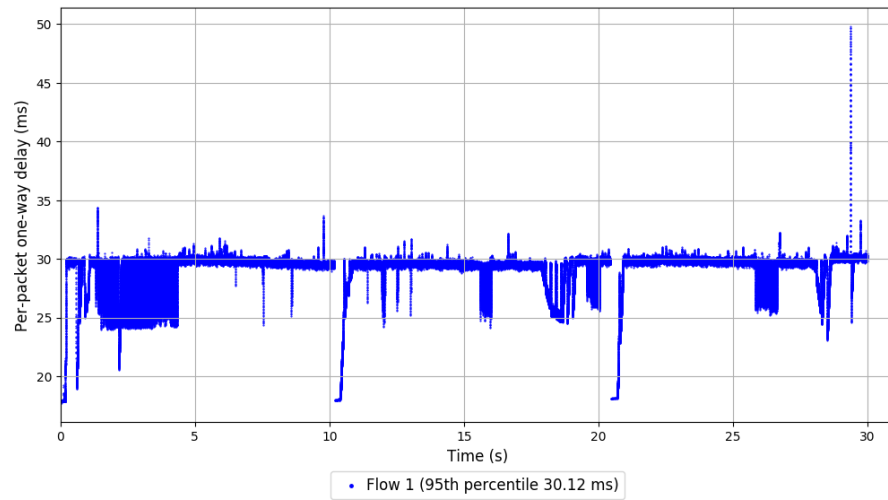
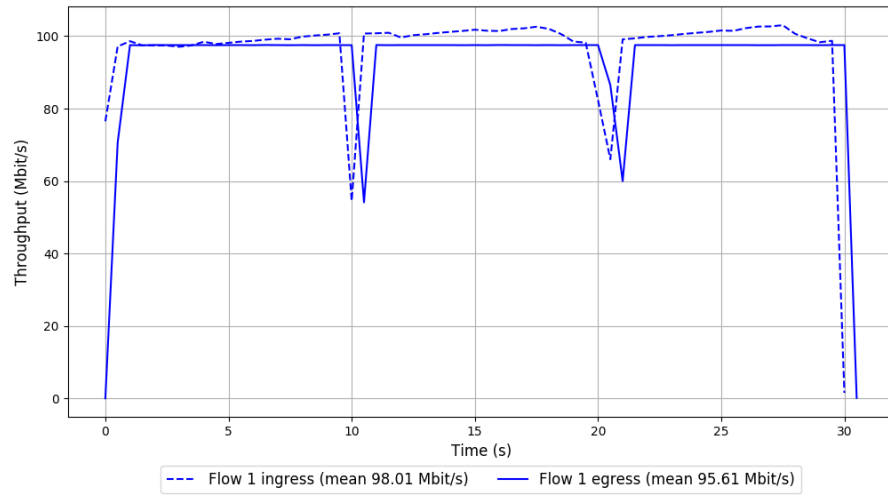
-- Flow 1:

Average throughput: 95.61 Mbit/s

95th percentile per-packet one-way delay: 30.124 ms

Loss rate: 2.55%

Run 5: Report of TCP BBR — Data Link

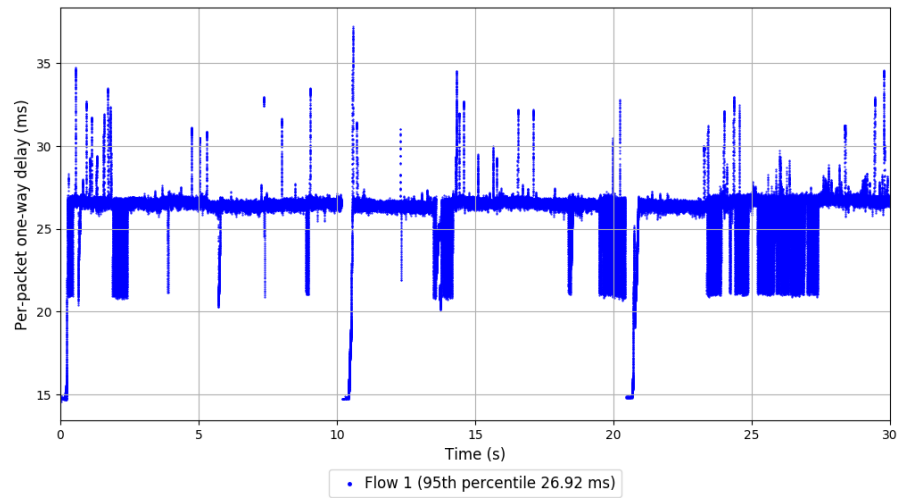
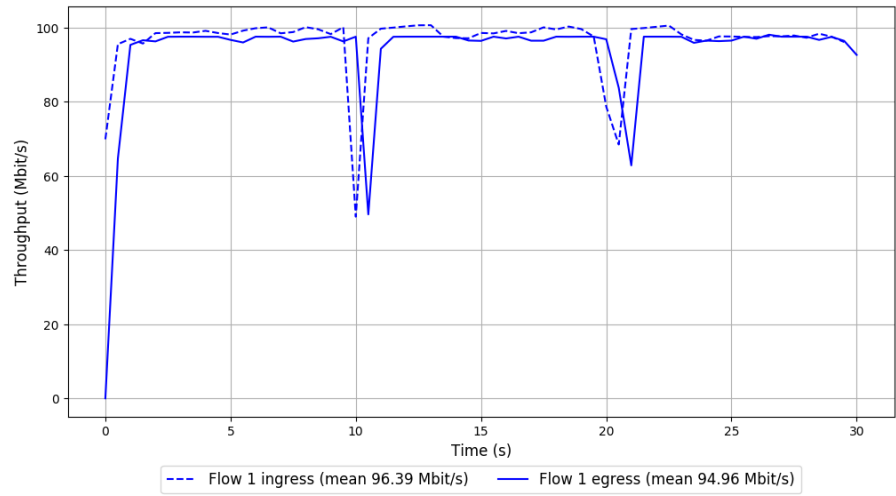


Run 6: Statistics of TCP BBR

Start at: 2018-07-04 04:47:44
End at: 2018-07-04 04:48:14
Local clock offset: -0.449 ms
Remote clock offset: -0.679 ms

Below is generated by plot.py at 2018-07-04 06:16:08
Datalink statistics
-- Total of 1 flow:
Average throughput: 94.96 Mbit/s
95th percentile per-packet one-way delay: 26.918 ms
Loss rate: 1.58%
-- Flow 1:
Average throughput: 94.96 Mbit/s
95th percentile per-packet one-way delay: 26.918 ms
Loss rate: 1.58%

Run 6: Report of TCP BBR — Data Link

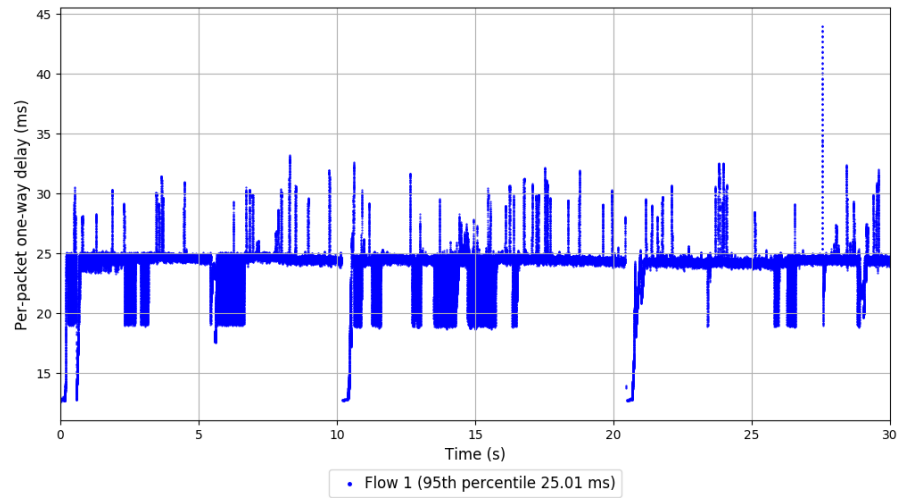
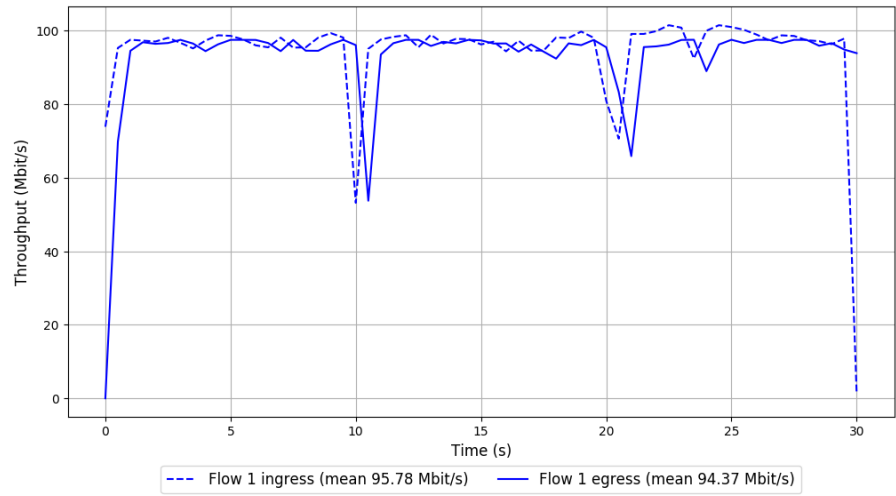


Run 7: Statistics of TCP BBR

Start at: 2018-07-04 05:07:33
End at: 2018-07-04 05:08:03
Local clock offset: -2.707 ms
Remote clock offset: -0.951 ms

Below is generated by plot.py at 2018-07-04 06:16:08
Datalink statistics
-- Total of 1 flow:
Average throughput: 94.37 Mbit/s
95th percentile per-packet one-way delay: 25.006 ms
Loss rate: 1.57%
-- Flow 1:
Average throughput: 94.37 Mbit/s
95th percentile per-packet one-way delay: 25.006 ms
Loss rate: 1.57%

Run 7: Report of TCP BBR — Data Link



Run 8: Statistics of TCP BBR

Start at: 2018-07-04 05:27:51

End at: 2018-07-04 05:28:21

Local clock offset: 1.94 ms

Remote clock offset: 0.597 ms

Below is generated by plot.py at 2018-07-04 06:16:08

Datalink statistics

-- Total of 1 flow:

Average throughput: 95.11 Mbit/s

95th percentile per-packet one-way delay: 28.296 ms

Loss rate: 1.91%

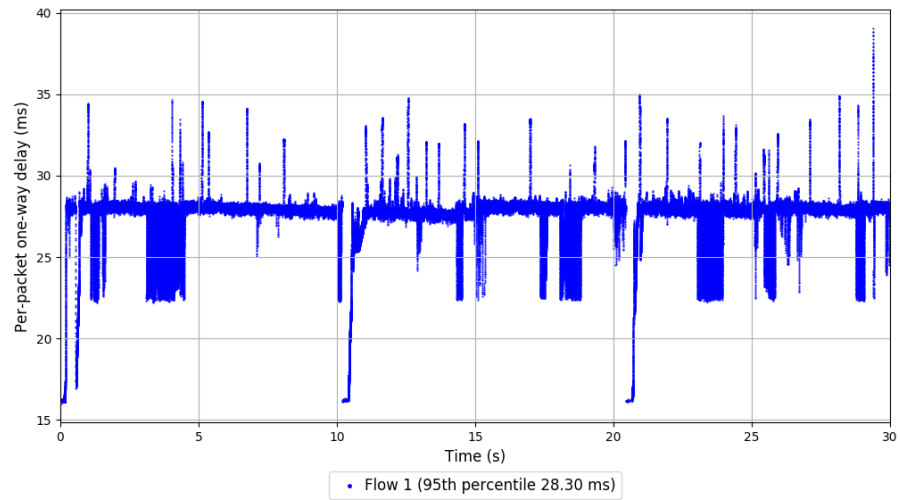
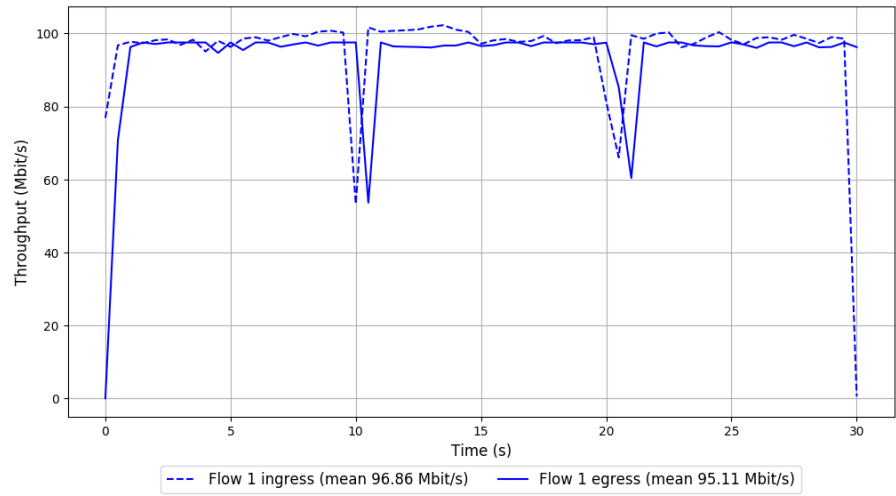
-- Flow 1:

Average throughput: 95.11 Mbit/s

95th percentile per-packet one-way delay: 28.296 ms

Loss rate: 1.91%

Run 8: Report of TCP BBR — Data Link



Run 9: Statistics of TCP BBR

Start at: 2018-07-04 05:48:09

End at: 2018-07-04 05:48:39

Local clock offset: 2.491 ms

Remote clock offset: -0.05 ms

Below is generated by plot.py at 2018-07-04 06:16:58

Datalink statistics

-- Total of 1 flow:

Average throughput: 93.81 Mbit/s

95th percentile per-packet one-way delay: 29.602 ms

Loss rate: 1.76%

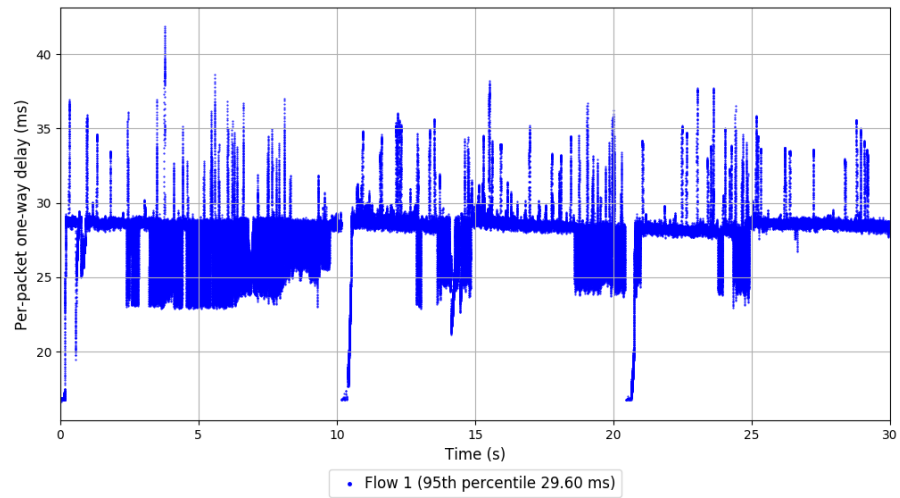
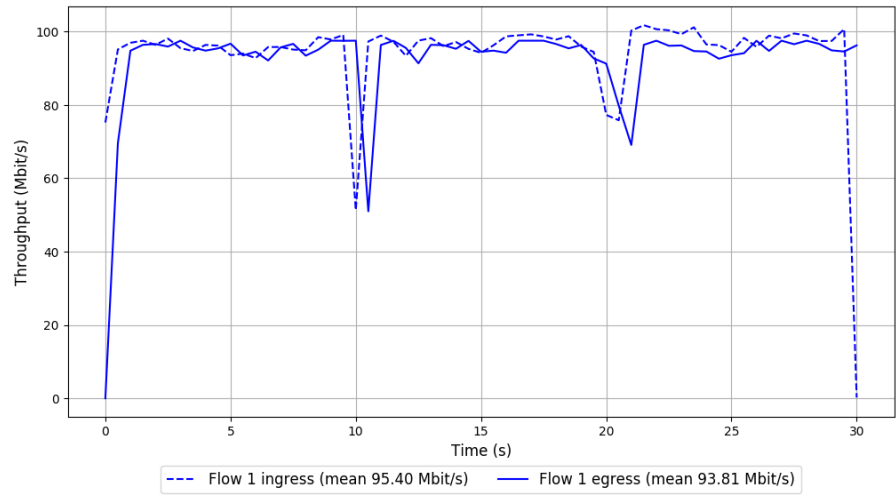
-- Flow 1:

Average throughput: 93.81 Mbit/s

95th percentile per-packet one-way delay: 29.602 ms

Loss rate: 1.76%

Run 9: Report of TCP BBR — Data Link



Run 10: Statistics of TCP BBR

Start at: 2018-07-04 06:08:34

End at: 2018-07-04 06:09:04

Local clock offset: -2.275 ms

Remote clock offset: -0.832 ms

Below is generated by plot.py at 2018-07-04 06:17:02

Datalink statistics

-- Total of 1 flow:

Average throughput: 95.45 Mbit/s

95th percentile per-packet one-way delay: 25.454 ms

Loss rate: 1.80%

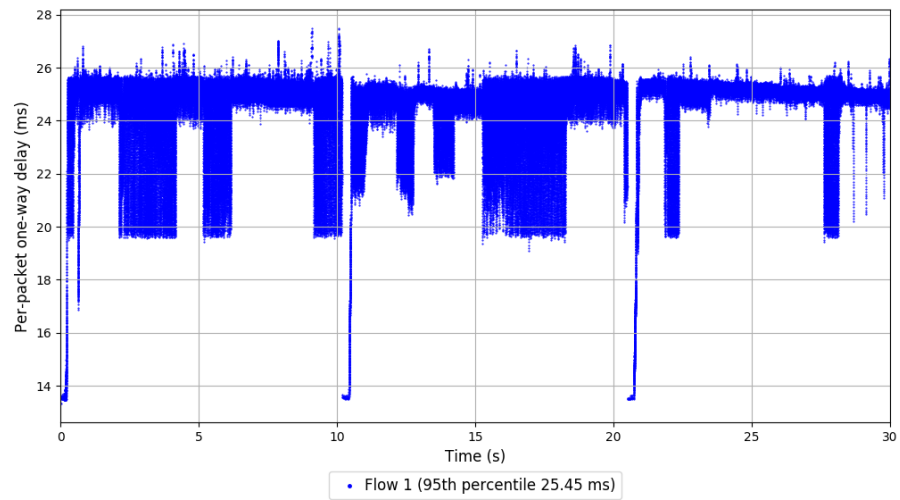
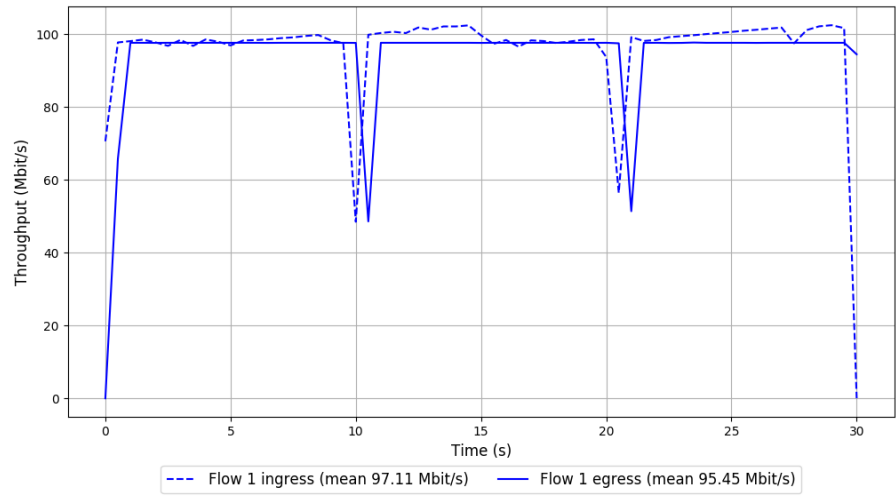
-- Flow 1:

Average throughput: 95.45 Mbit/s

95th percentile per-packet one-way delay: 25.454 ms

Loss rate: 1.80%

Run 10: Report of TCP BBR — Data Link

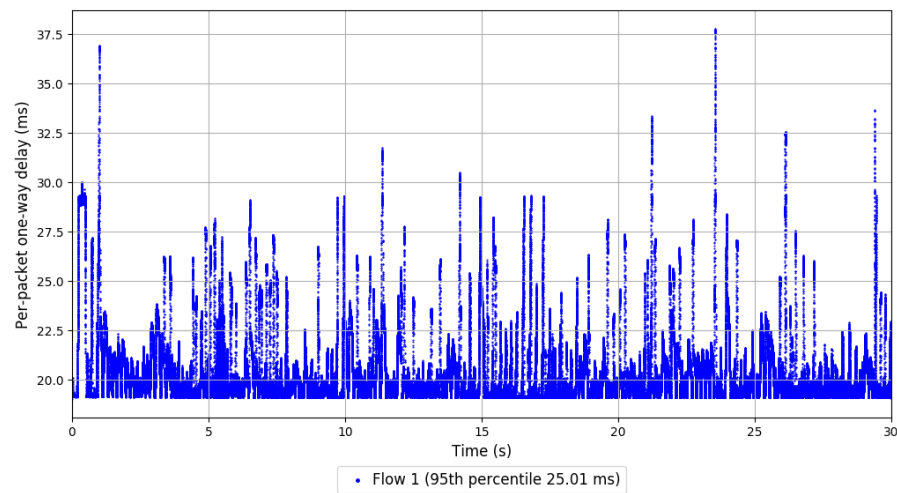
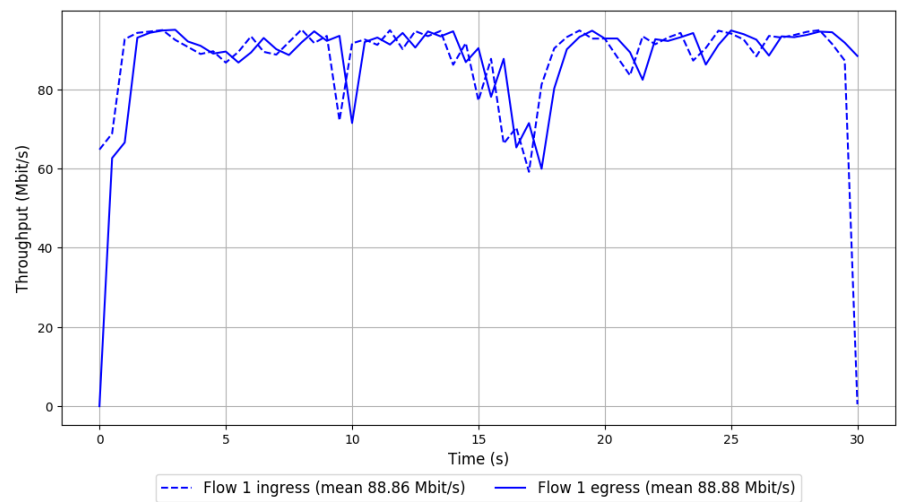


Run 1: Statistics of Copa

Start at: 2018-07-04 03:07:48
End at: 2018-07-04 03:08:18
Local clock offset: 3.624 ms
Remote clock offset: -6.559 ms

Below is generated by plot.py at 2018-07-04 06:17:54
Datalink statistics
-- Total of 1 flow:
Average throughput: 88.88 Mbit/s
95th percentile per-packet one-way delay: 25.012 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 88.88 Mbit/s
95th percentile per-packet one-way delay: 25.012 ms
Loss rate: 0.06%

Run 1: Report of Copa — Data Link

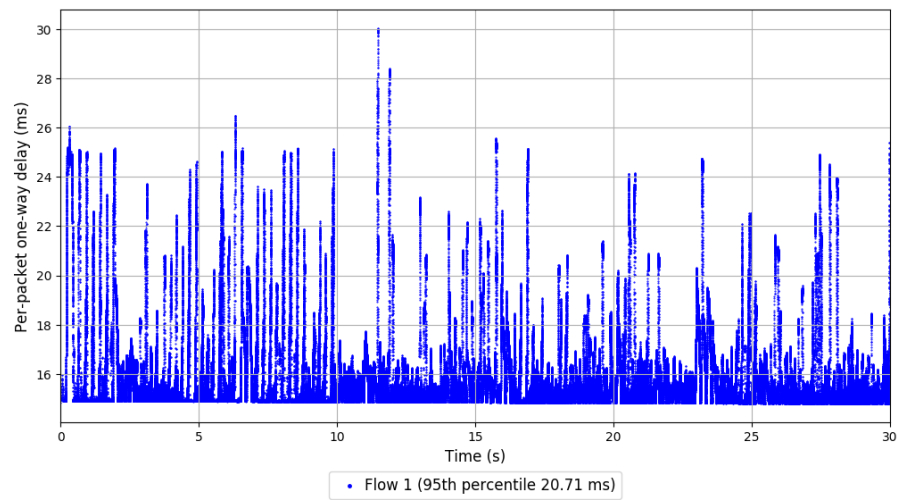
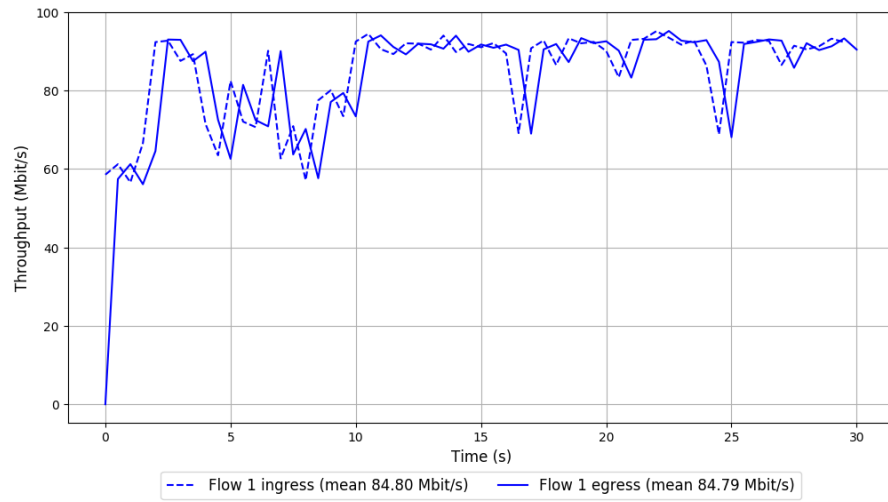


Run 2: Statistics of Copa

Start at: 2018-07-04 03:28:16
End at: 2018-07-04 03:28:46
Local clock offset: 0.999 ms
Remote clock offset: -10.228 ms

Below is generated by plot.py at 2018-07-04 06:17:54
Datalink statistics
-- Total of 1 flow:
Average throughput: 84.79 Mbit/s
95th percentile per-packet one-way delay: 20.710 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 84.79 Mbit/s
95th percentile per-packet one-way delay: 20.710 ms
Loss rate: 0.09%

Run 2: Report of Copa — Data Link

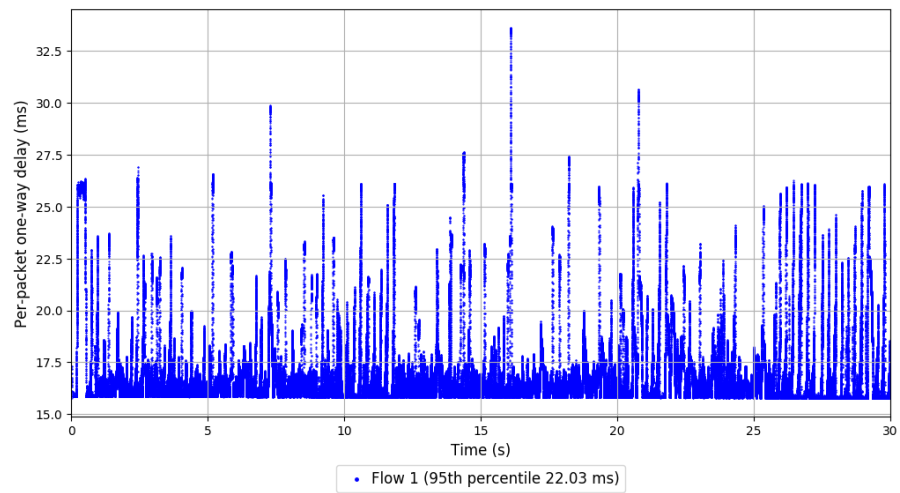
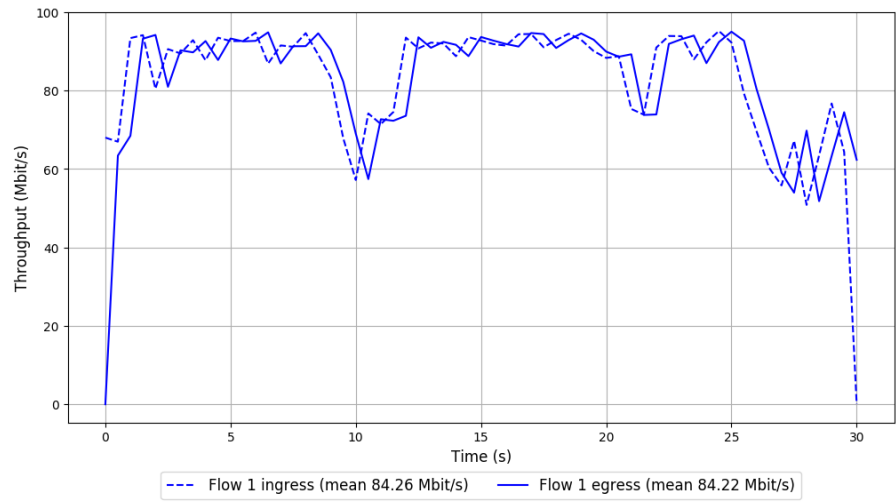


Run 3: Statistics of Copa

Start at: 2018-07-04 03:48:22
End at: 2018-07-04 03:48:52
Local clock offset: 0.376 ms
Remote clock offset: -15.181 ms

Below is generated by plot.py at 2018-07-04 06:17:54
Datalink statistics
-- Total of 1 flow:
Average throughput: 84.22 Mbit/s
95th percentile per-packet one-way delay: 22.028 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 84.22 Mbit/s
95th percentile per-packet one-way delay: 22.028 ms
Loss rate: 0.13%

Run 3: Report of Copa — Data Link

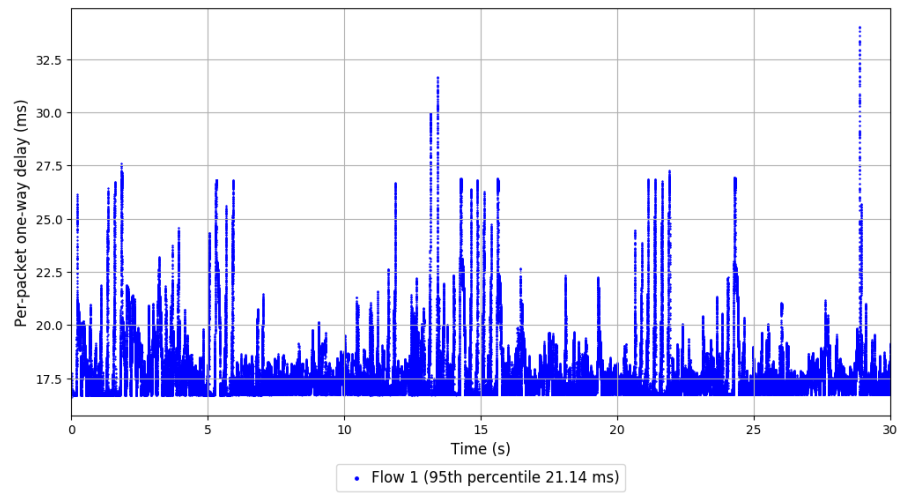
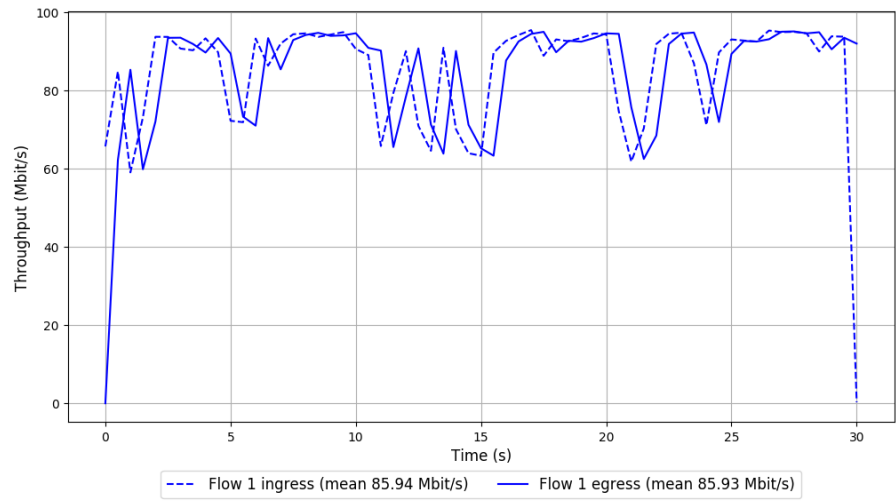


Run 4: Statistics of Copa

Start at: 2018-07-04 04:08:30
End at: 2018-07-04 04:09:00
Local clock offset: 2.102 ms
Remote clock offset: -9.936 ms

Below is generated by plot.py at 2018-07-04 06:17:54
Datalink statistics
-- Total of 1 flow:
Average throughput: 85.93 Mbit/s
95th percentile per-packet one-way delay: 21.142 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 85.93 Mbit/s
95th percentile per-packet one-way delay: 21.142 ms
Loss rate: 0.10%

Run 4: Report of Copa — Data Link

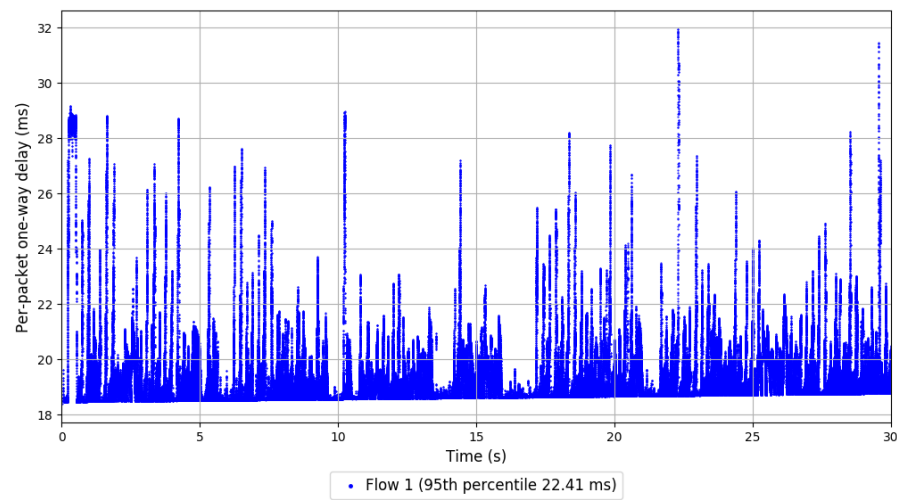
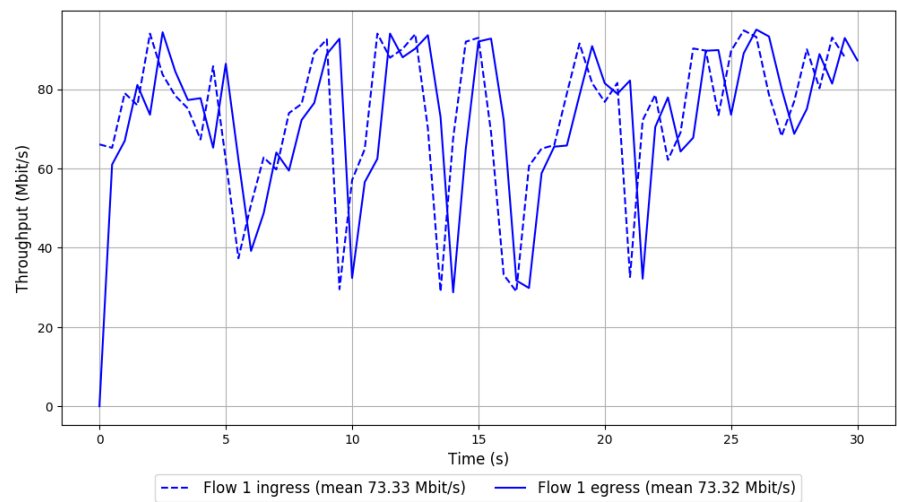


Run 5: Statistics of Copa

Start at: 2018-07-04 04:28:41
End at: 2018-07-04 04:29:11
Local clock offset: 3.651 ms
Remote clock offset: -6.224 ms

Below is generated by plot.py at 2018-07-04 06:17:54
Datalink statistics
-- Total of 1 flow:
Average throughput: 73.32 Mbit/s
95th percentile per-packet one-way delay: 22.412 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 73.32 Mbit/s
95th percentile per-packet one-way delay: 22.412 ms
Loss rate: 0.10%

Run 5: Report of Copa — Data Link



Run 6: Statistics of Copa

Start at: 2018-07-04 04:48:56

End at: 2018-07-04 04:49:26

Local clock offset: 2.687 ms

Remote clock offset: -0.52 ms

Below is generated by plot.py at 2018-07-04 06:17:54

Datalink statistics

-- Total of 1 flow:

Average throughput: 72.56 Mbit/s

95th percentile per-packet one-way delay: 22.193 ms

Loss rate: 0.12%

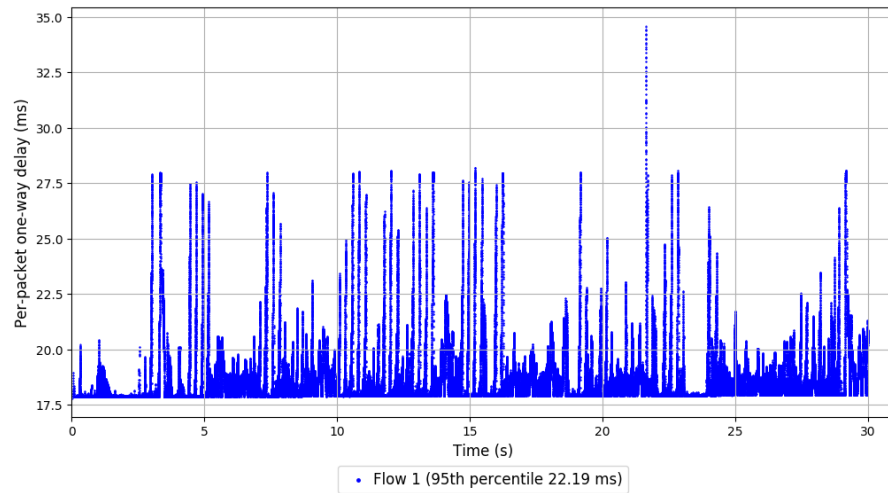
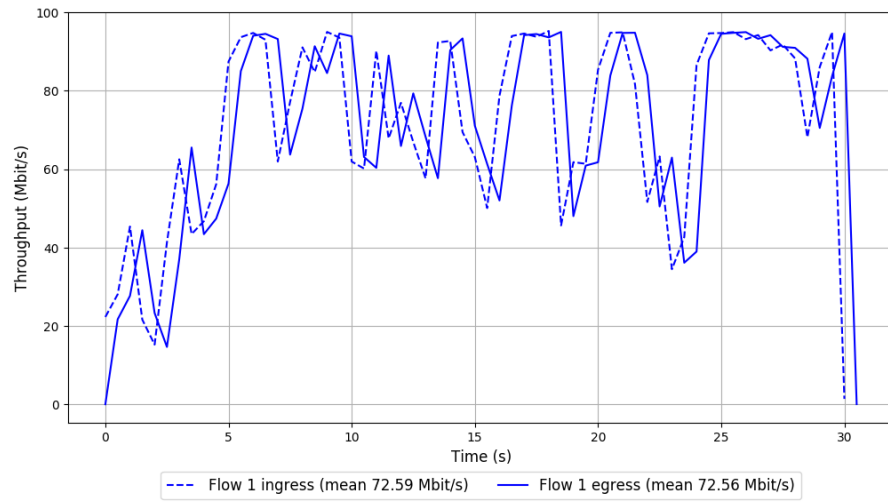
-- Flow 1:

Average throughput: 72.56 Mbit/s

95th percentile per-packet one-way delay: 22.193 ms

Loss rate: 0.12%

Run 6: Report of Copa — Data Link



Run 7: Statistics of Copa

Start at: 2018-07-04 05:08:50

End at: 2018-07-04 05:09:20

Local clock offset: 3.219 ms

Remote clock offset: 0.2 ms

Below is generated by plot.py at 2018-07-04 06:18:45

Datalink statistics

-- Total of 1 flow:

Average throughput: 69.88 Mbit/s

95th percentile per-packet one-way delay: 23.438 ms

Loss rate: 0.08%

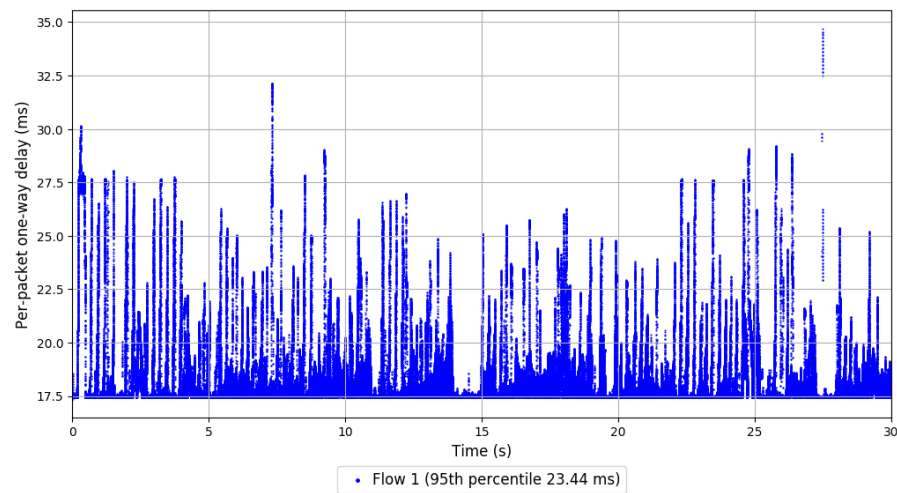
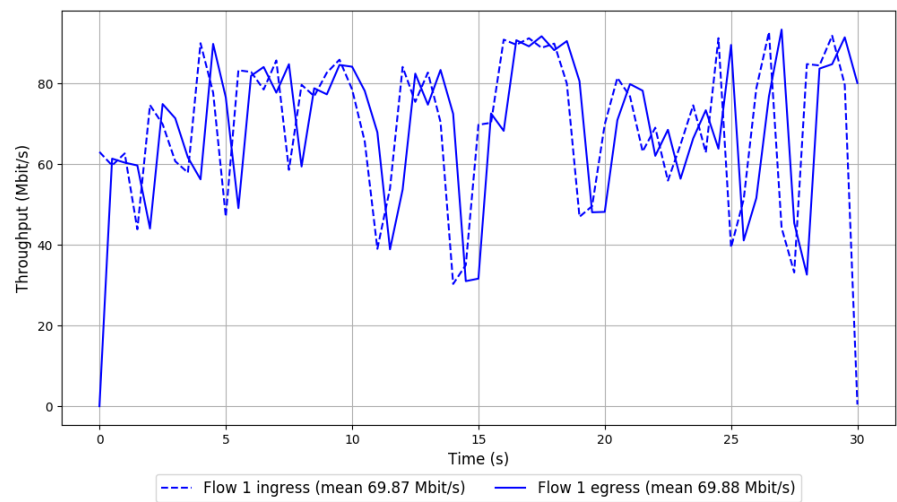
-- Flow 1:

Average throughput: 69.88 Mbit/s

95th percentile per-packet one-way delay: 23.438 ms

Loss rate: 0.08%

Run 7: Report of Copa — Data Link



Run 8: Statistics of Copa

Start at: 2018-07-04 05:29:04

End at: 2018-07-04 05:29:34

Local clock offset: -3.095 ms

Remote clock offset: 0.128 ms

Below is generated by plot.py at 2018-07-04 06:18:45

Datalink statistics

-- Total of 1 flow:

Average throughput: 61.30 Mbit/s

95th percentile per-packet one-way delay: 17.284 ms

Loss rate: 0.10%

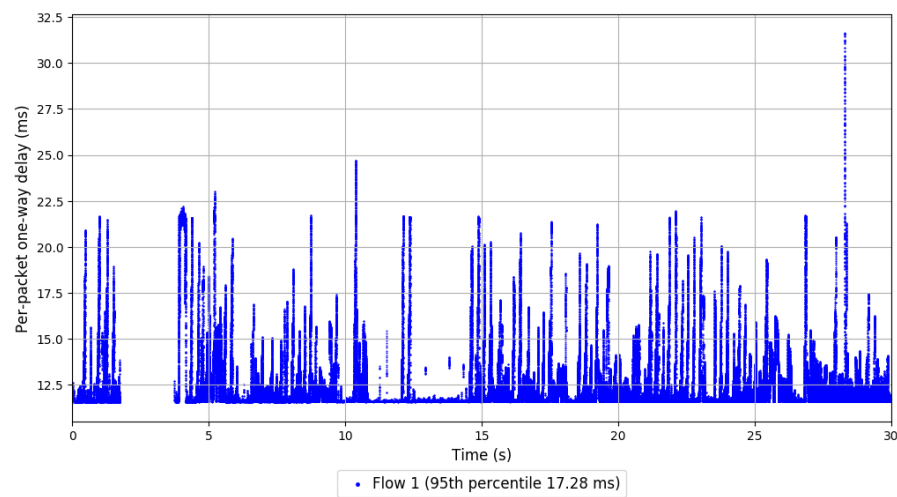
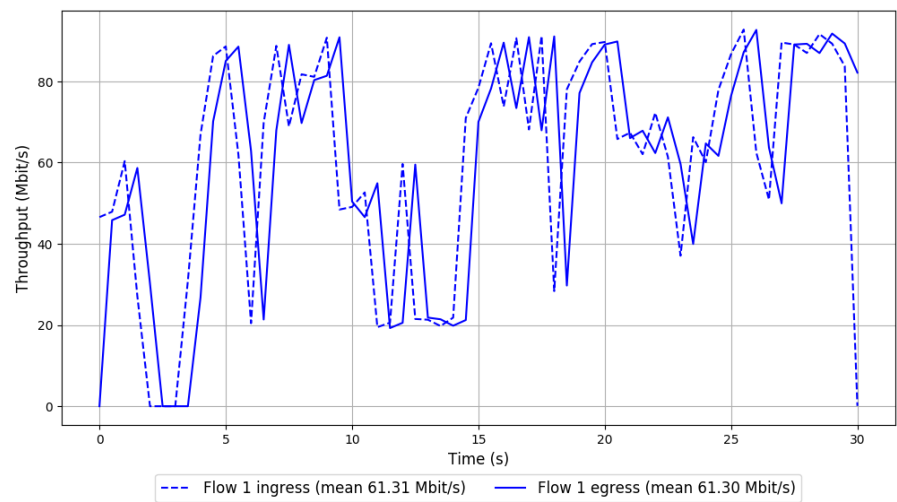
-- Flow 1:

Average throughput: 61.30 Mbit/s

95th percentile per-packet one-way delay: 17.284 ms

Loss rate: 0.10%

Run 8: Report of Copa — Data Link

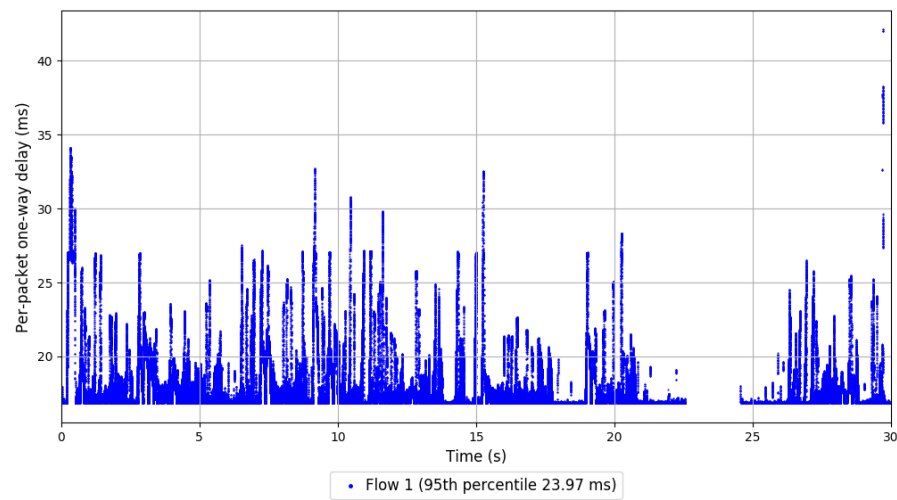
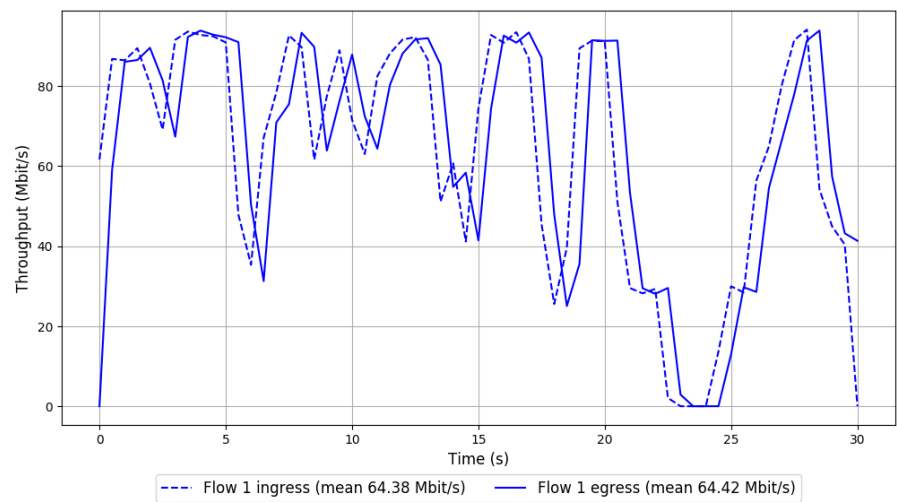


Run 9: Statistics of Copa

Start at: 2018-07-04 05:49:23
End at: 2018-07-04 05:49:53
Local clock offset: 2.454 ms
Remote clock offset: -0.155 ms

Below is generated by plot.py at 2018-07-04 06:19:00
Datalink statistics
-- Total of 1 flow:
Average throughput: 64.42 Mbit/s
95th percentile per-packet one-way delay: 23.967 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 64.42 Mbit/s
95th percentile per-packet one-way delay: 23.967 ms
Loss rate: 0.04%

Run 9: Report of Copa — Data Link



Run 10: Statistics of Copa

Start at: 2018-07-04 06:09:45

End at: 2018-07-04 06:10:15

Local clock offset: -0.597 ms

Remote clock offset: -1.72 ms

Below is generated by plot.py at 2018-07-04 06:19:00

Datalink statistics

-- Total of 1 flow:

Average throughput: 53.59 Mbit/s

95th percentile per-packet one-way delay: 20.962 ms

Loss rate: 0.05%

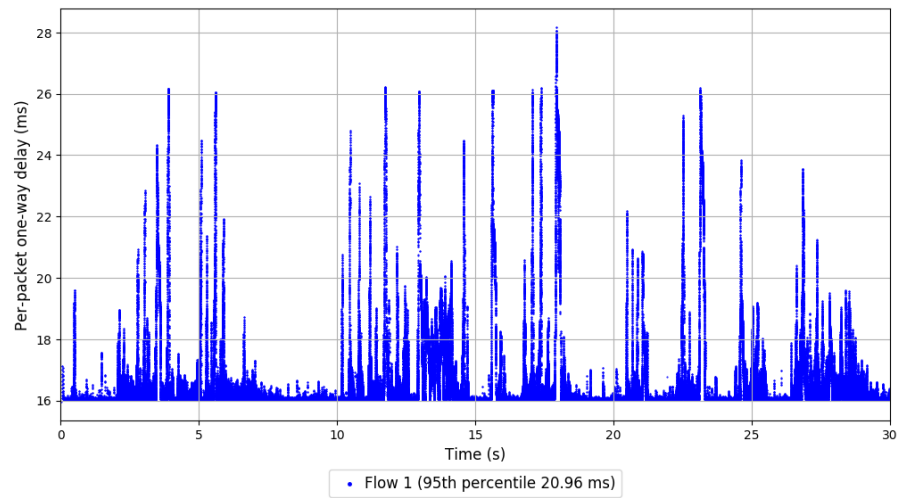
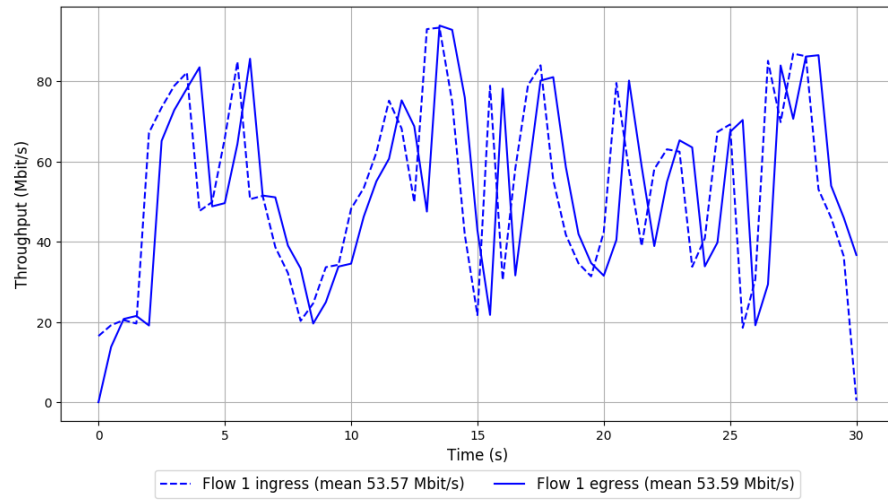
-- Flow 1:

Average throughput: 53.59 Mbit/s

95th percentile per-packet one-way delay: 20.962 ms

Loss rate: 0.05%

Run 10: Report of Copa — Data Link

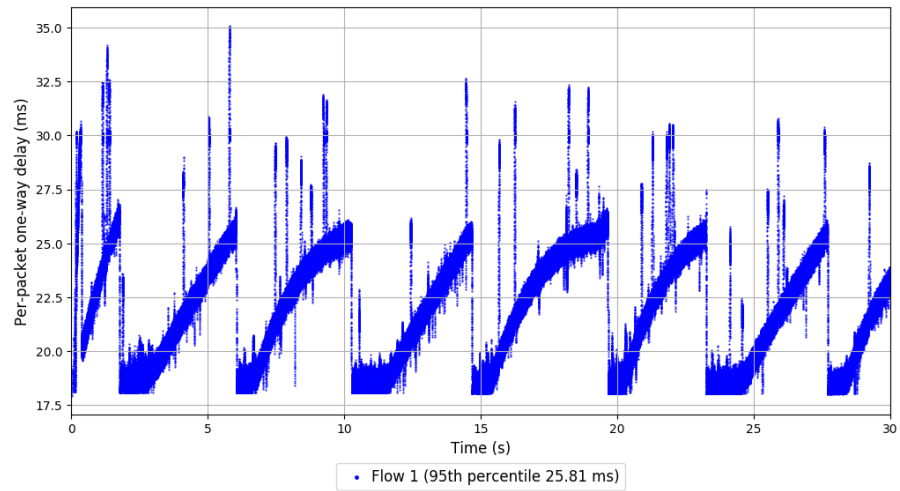
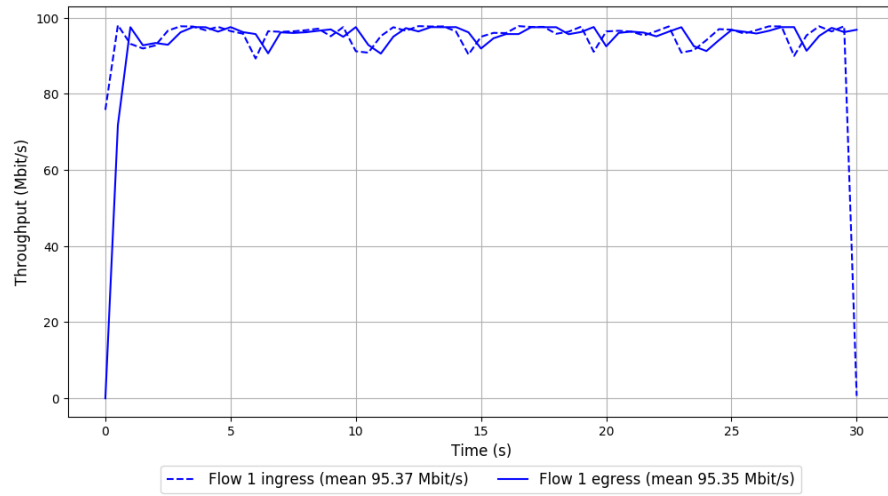


Run 1: Statistics of TCP Cubic

Start at: 2018-07-04 02:50:05
End at: 2018-07-04 02:50:35
Local clock offset: 2.885 ms
Remote clock offset: -4.087 ms

Below is generated by plot.py at 2018-07-04 06:19:00
Datalink statistics
-- Total of 1 flow:
Average throughput: 95.35 Mbit/s
95th percentile per-packet one-way delay: 25.807 ms
Loss rate: 0.11%
-- Flow 1:
Average throughput: 95.35 Mbit/s
95th percentile per-packet one-way delay: 25.807 ms
Loss rate: 0.11%

Run 1: Report of TCP Cubic — Data Link



Run 2: Statistics of TCP Cubic

Start at: 2018-07-04 03:10:18

End at: 2018-07-04 03:10:48

Local clock offset: 0.947 ms

Remote clock offset: -6.28 ms

Below is generated by plot.py at 2018-07-04 06:19:00

Datalink statistics

-- Total of 1 flow:

Average throughput: 94.62 Mbit/s

95th percentile per-packet one-way delay: 24.459 ms

Loss rate: 0.10%

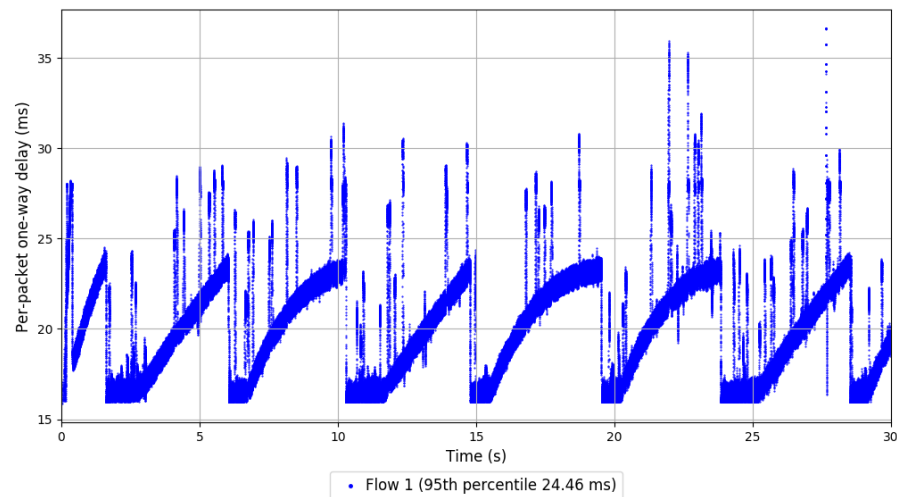
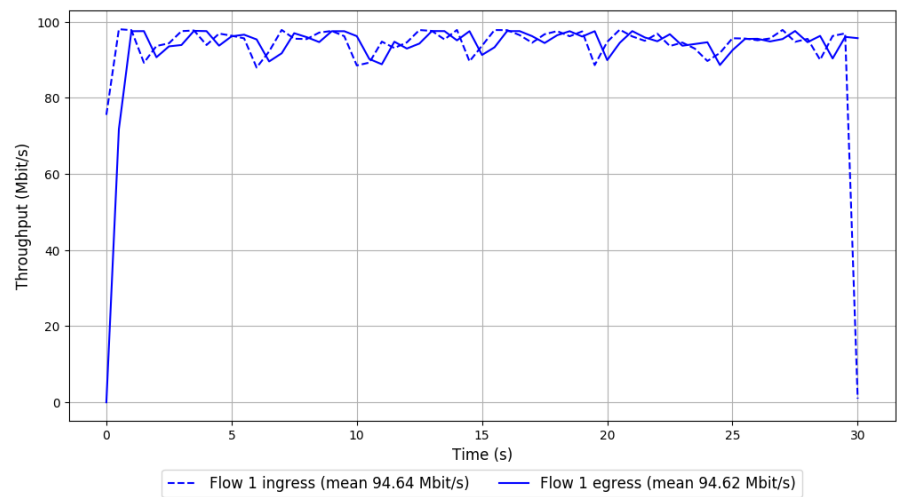
-- Flow 1:

Average throughput: 94.62 Mbit/s

95th percentile per-packet one-way delay: 24.459 ms

Loss rate: 0.10%

Run 2: Report of TCP Cubic — Data Link

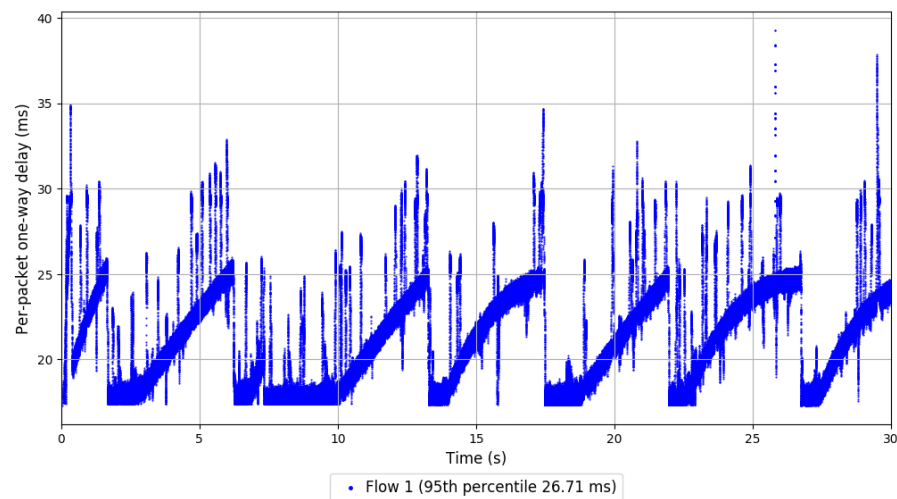
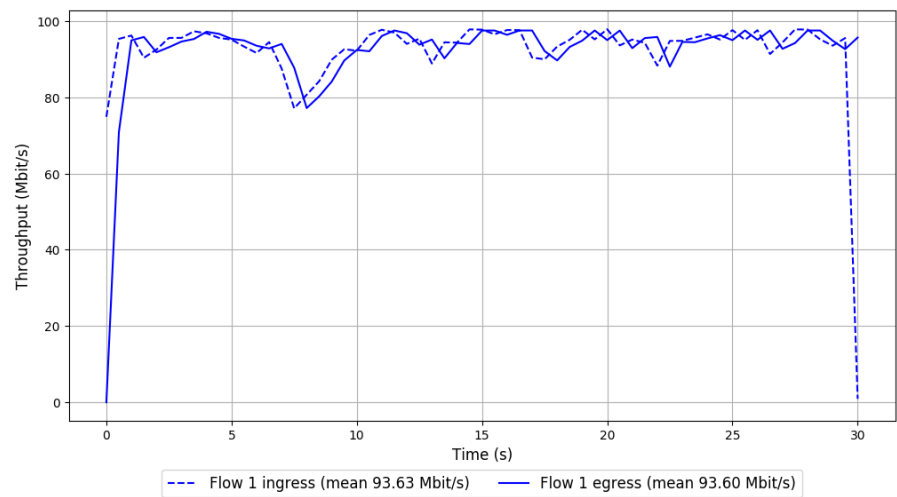


Run 3: Statistics of TCP Cubic

Start at: 2018-07-04 03:30:43
End at: 2018-07-04 03:31:13
Local clock offset: 2.828 ms
Remote clock offset: -11.472 ms

Below is generated by plot.py at 2018-07-04 06:19:00
Datalink statistics
-- Total of 1 flow:
Average throughput: 93.60 Mbit/s
95th percentile per-packet one-way delay: 26.706 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 93.60 Mbit/s
95th percentile per-packet one-way delay: 26.706 ms
Loss rate: 0.13%

Run 3: Report of TCP Cubic — Data Link

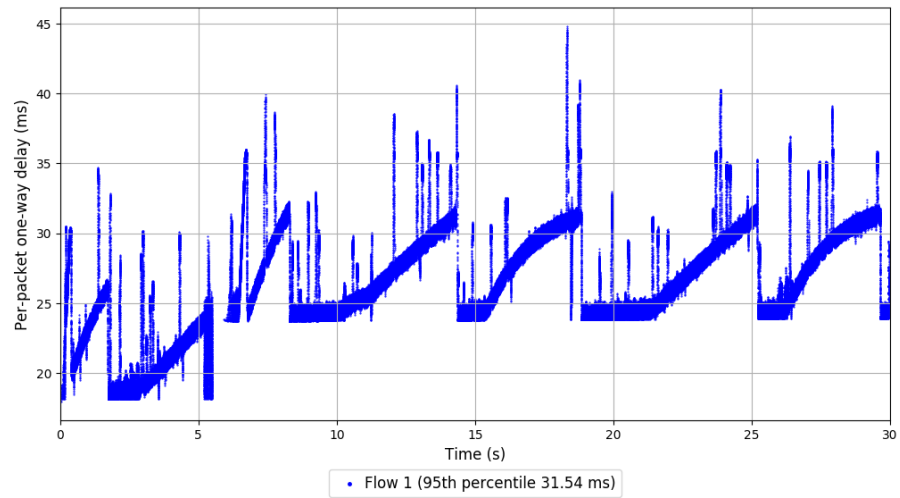
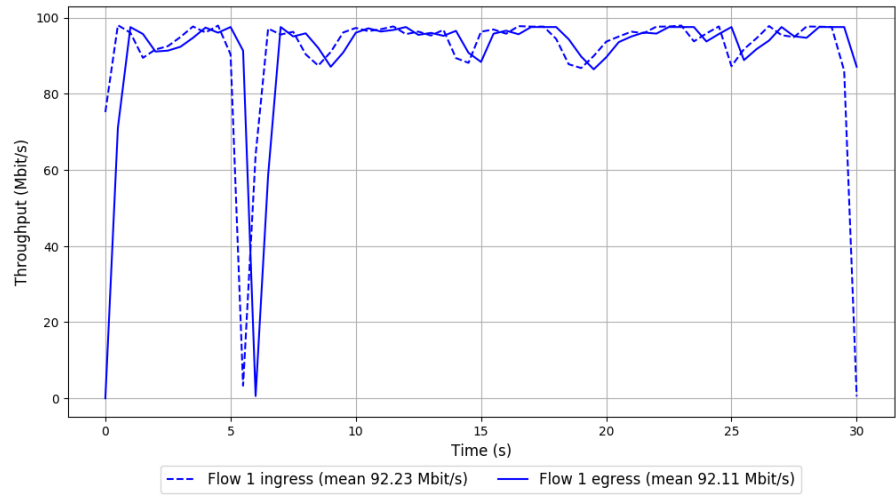


Run 4: Statistics of TCP Cubic

Start at: 2018-07-04 03:50:55
End at: 2018-07-04 03:51:25
Local clock offset: 2.802 ms
Remote clock offset: -14.66 ms

Below is generated by plot.py at 2018-07-04 06:19:02
Datalink statistics
-- Total of 1 flow:
Average throughput: 92.11 Mbit/s
95th percentile per-packet one-way delay: 31.541 ms
Loss rate: 0.22%
-- Flow 1:
Average throughput: 92.11 Mbit/s
95th percentile per-packet one-way delay: 31.541 ms
Loss rate: 0.22%

Run 4: Report of TCP Cubic — Data Link

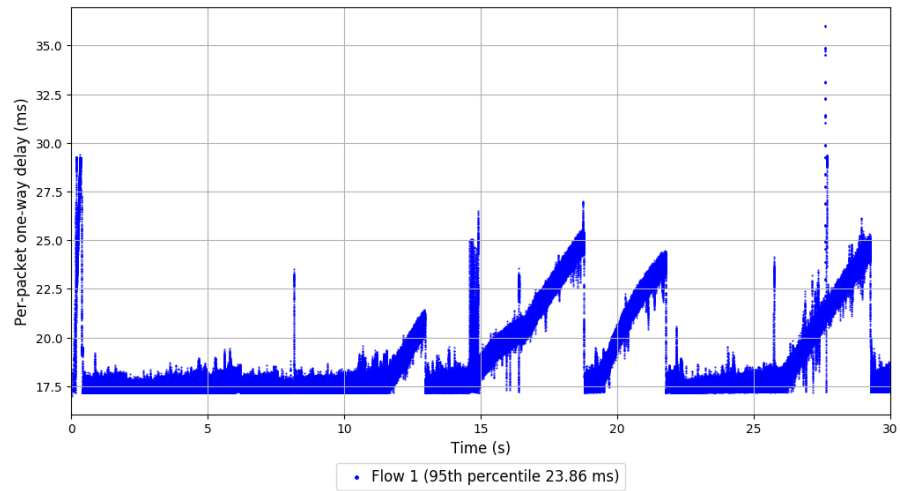
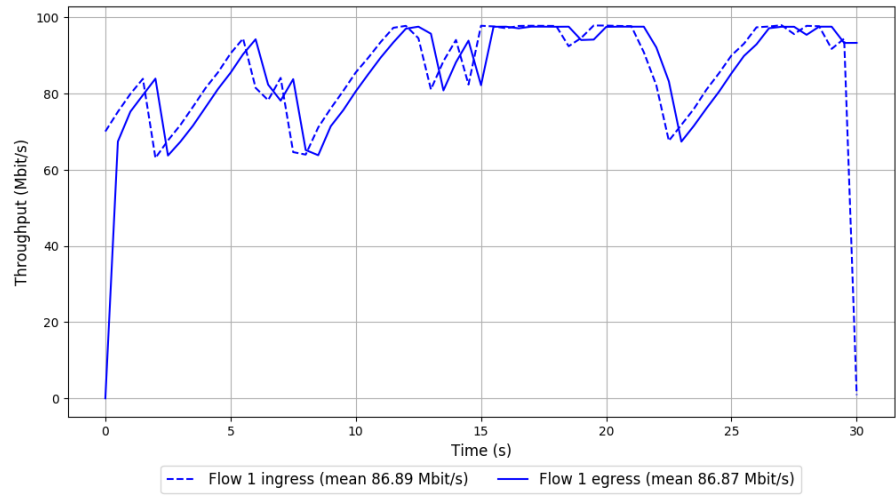


Run 5: Statistics of TCP Cubic

Start at: 2018-07-04 04:11:00
End at: 2018-07-04 04:11:30
Local clock offset: 2.267 ms
Remote clock offset: -10.124 ms

Below is generated by plot.py at 2018-07-04 06:19:33
Datalink statistics
-- Total of 1 flow:
Average throughput: 86.87 Mbit/s
95th percentile per-packet one-way delay: 23.858 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 86.87 Mbit/s
95th percentile per-packet one-way delay: 23.858 ms
Loss rate: 0.10%

Run 5: Report of TCP Cubic — Data Link

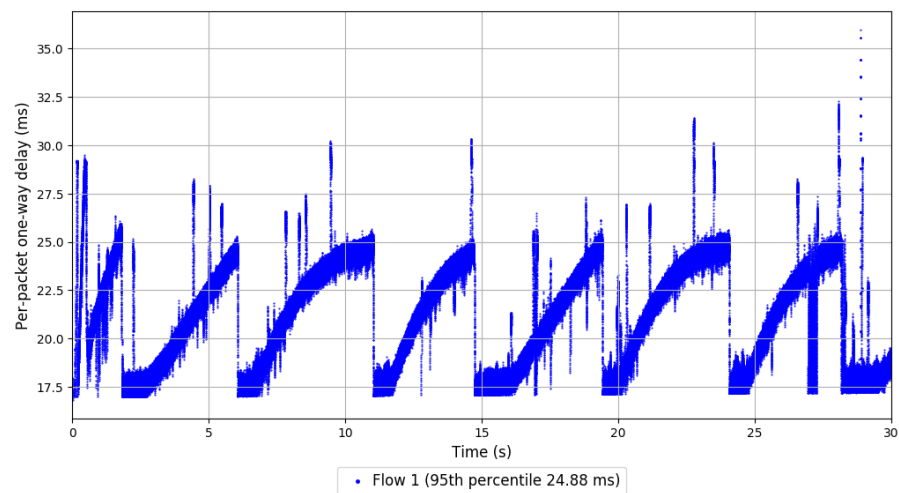
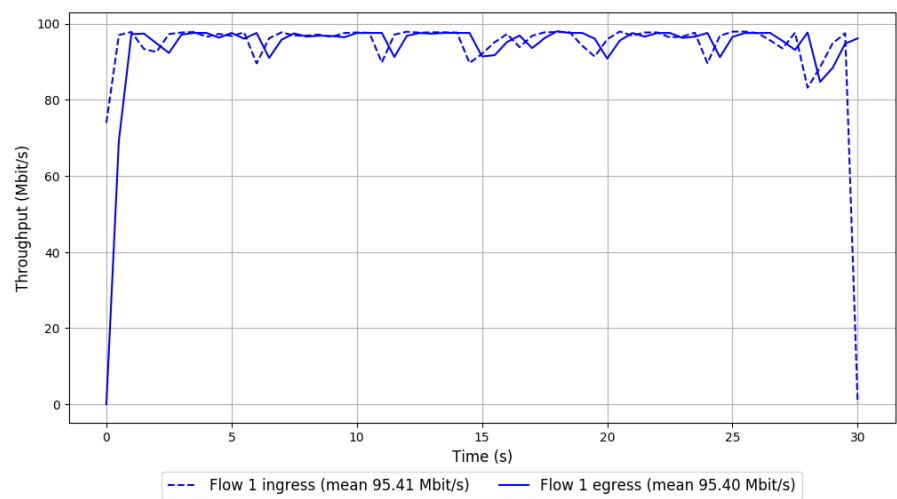


Run 6: Statistics of TCP Cubic

Start at: 2018-07-04 04:31:10
End at: 2018-07-04 04:31:40
Local clock offset: 2.03 ms
Remote clock offset: -4.953 ms

Below is generated by plot.py at 2018-07-04 06:19:50
Datalink statistics
-- Total of 1 flow:
Average throughput: 95.40 Mbit/s
95th percentile per-packet one-way delay: 24.884 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 95.40 Mbit/s
95th percentile per-packet one-way delay: 24.884 ms
Loss rate: 0.10%

Run 6: Report of TCP Cubic — Data Link



Run 7: Statistics of TCP Cubic

Start at: 2018-07-04 04:51:20

End at: 2018-07-04 04:51:50

Local clock offset: 1.691 ms

Remote clock offset: 0.825 ms

Below is generated by plot.py at 2018-07-04 06:19:51

Datalink statistics

-- Total of 1 flow:

Average throughput: 91.78 Mbit/s

95th percentile per-packet one-way delay: 23.491 ms

Loss rate: 0.09%

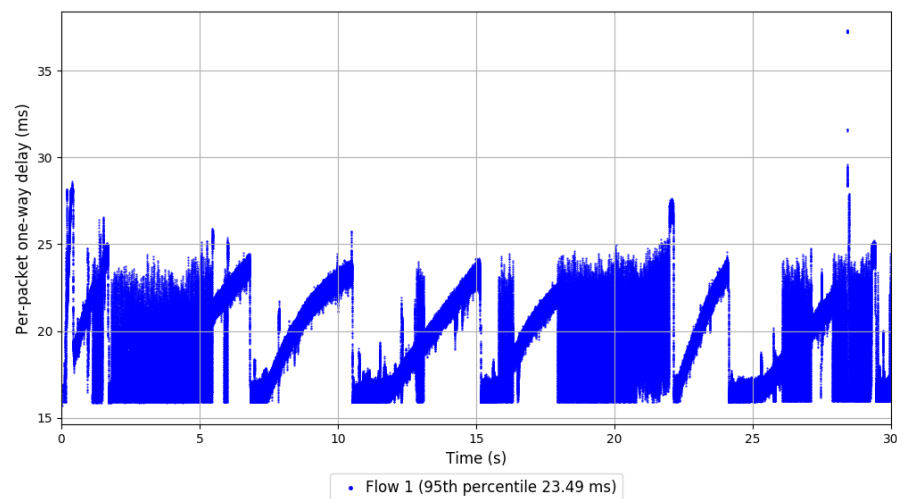
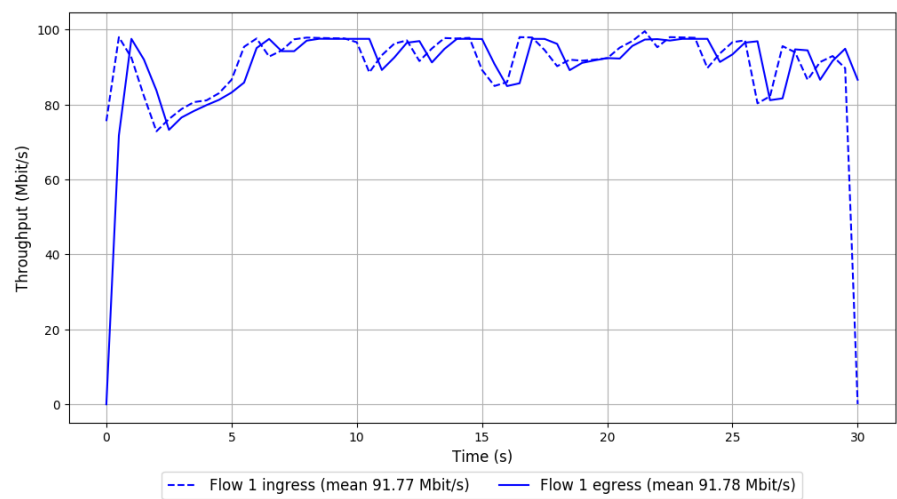
-- Flow 1:

Average throughput: 91.78 Mbit/s

95th percentile per-packet one-way delay: 23.491 ms

Loss rate: 0.09%

Run 7: Report of TCP Cubic — Data Link

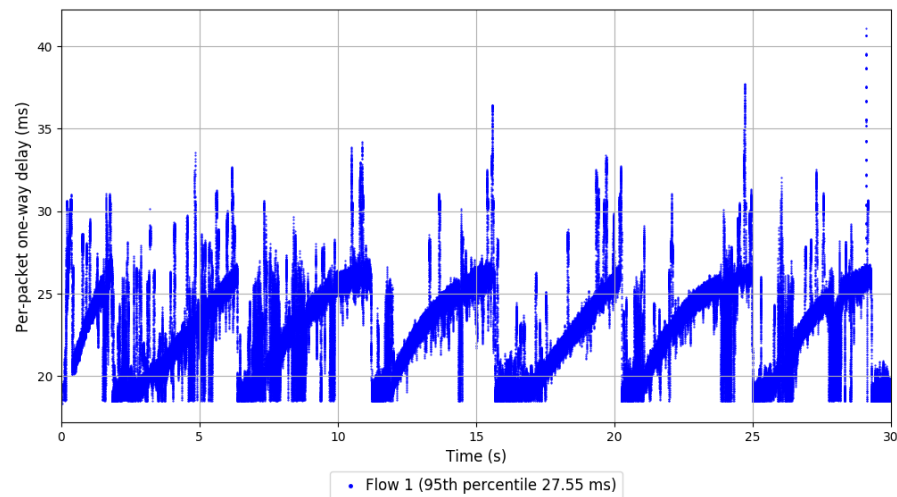
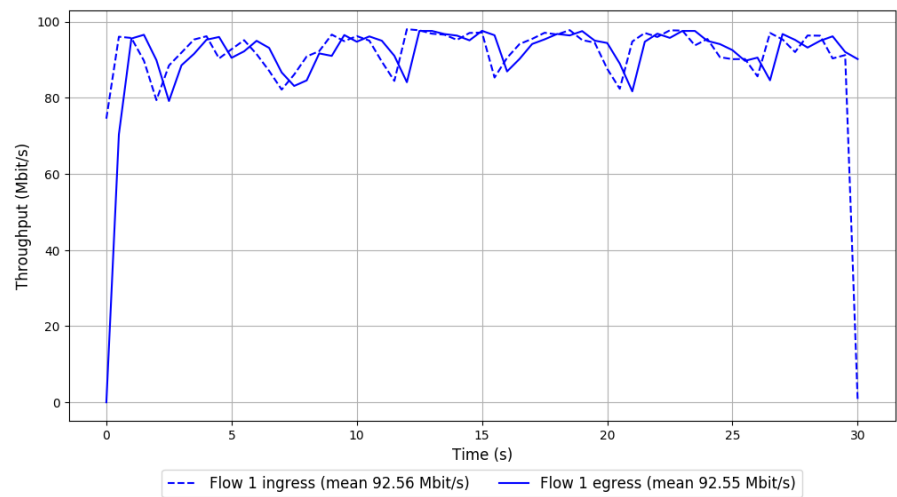


Run 8: Statistics of TCP Cubic

Start at: 2018-07-04 05:11:16
End at: 2018-07-04 05:11:46
Local clock offset: 3.298 ms
Remote clock offset: -0.831 ms

Below is generated by plot.py at 2018-07-04 06:20:04
Datalink statistics
-- Total of 1 flow:
Average throughput: 92.55 Mbit/s
95th percentile per-packet one-way delay: 27.546 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 92.55 Mbit/s
95th percentile per-packet one-way delay: 27.546 ms
Loss rate: 0.09%

Run 8: Report of TCP Cubic — Data Link

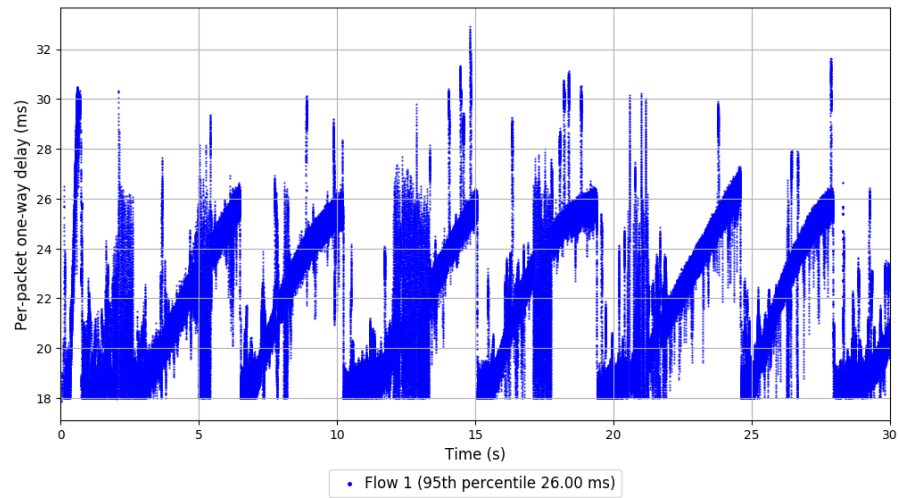
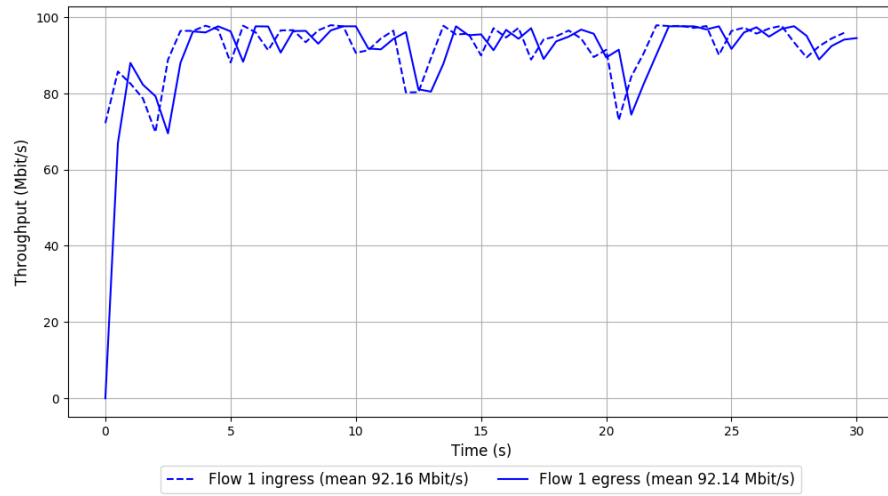


Run 9: Statistics of TCP Cubic

Start at: 2018-07-04 05:31:27
End at: 2018-07-04 05:31:57
Local clock offset: 2.779 ms
Remote clock offset: -0.295 ms

Below is generated by plot.py at 2018-07-04 06:20:04
Datalink statistics
-- Total of 1 flow:
Average throughput: 92.14 Mbit/s
95th percentile per-packet one-way delay: 26.005 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 92.14 Mbit/s
95th percentile per-packet one-way delay: 26.005 ms
Loss rate: 0.10%

Run 9: Report of TCP Cubic — Data Link



Run 10: Statistics of TCP Cubic

Start at: 2018-07-04 05:51:56

End at: 2018-07-04 05:52:26

Local clock offset: -3.194 ms

Remote clock offset: -1.646 ms

Below is generated by plot.py at 2018-07-04 06:20:05

Datalink statistics

-- Total of 1 flow:

Average throughput: 93.55 Mbit/s

95th percentile per-packet one-way delay: 22.612 ms

Loss rate: 0.11%

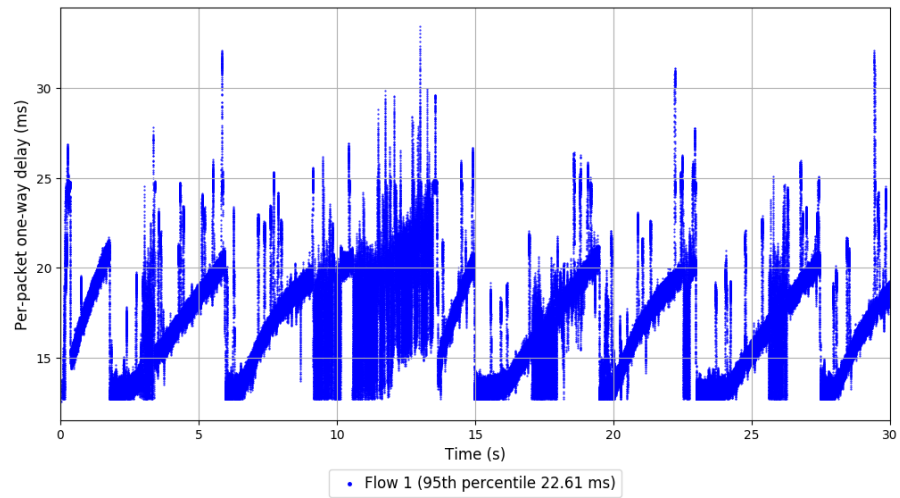
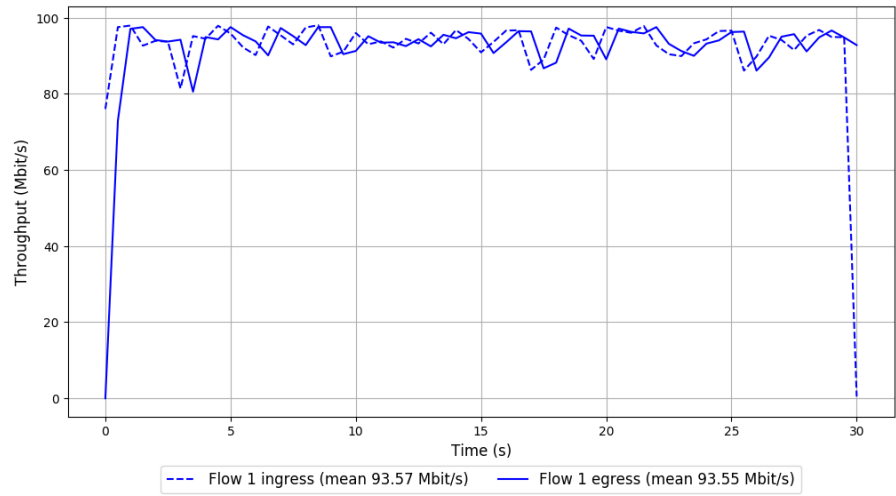
-- Flow 1:

Average throughput: 93.55 Mbit/s

95th percentile per-packet one-way delay: 22.612 ms

Loss rate: 0.11%

Run 10: Report of TCP Cubic — Data Link

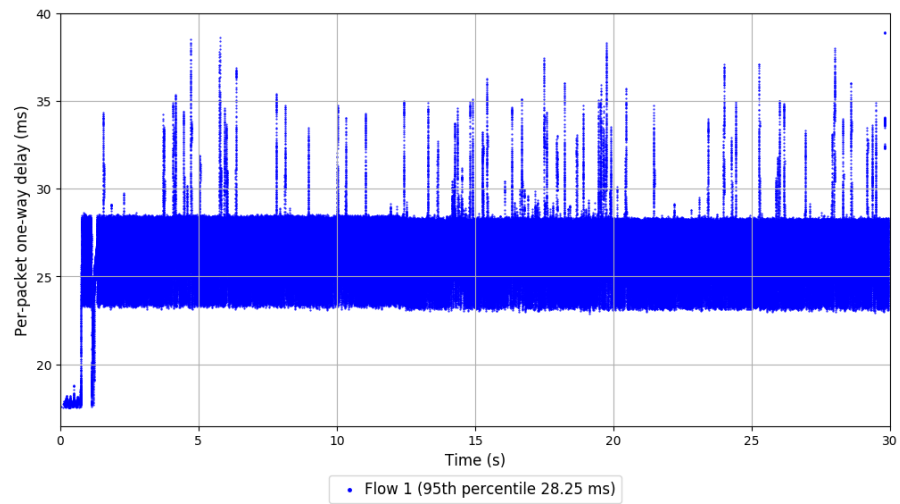
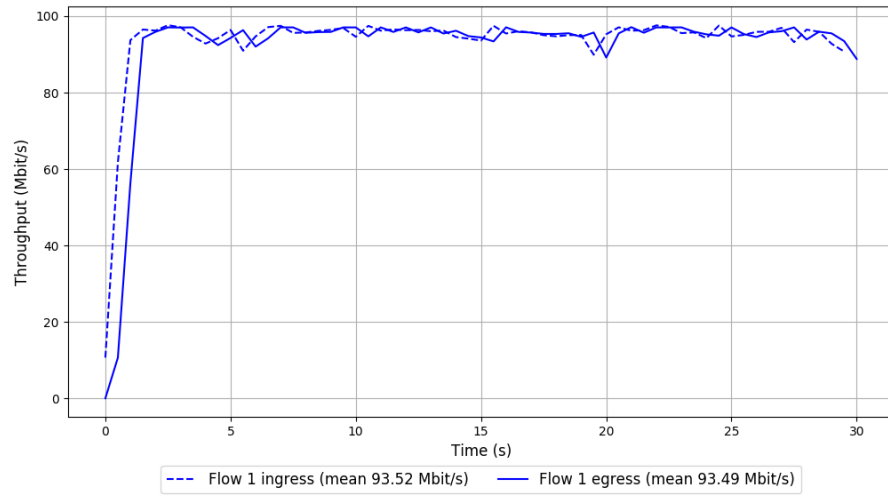


Run 1: Statistics of FillP

Start at: 2018-07-04 02:53:37
End at: 2018-07-04 02:54:07
Local clock offset: 2.524 ms
Remote clock offset: -4.649 ms

Below is generated by plot.py at 2018-07-04 06:20:18
Datalink statistics
-- Total of 1 flow:
Average throughput: 93.49 Mbit/s
95th percentile per-packet one-way delay: 28.253 ms
Loss rate: 0.12%
-- Flow 1:
Average throughput: 93.49 Mbit/s
95th percentile per-packet one-way delay: 28.253 ms
Loss rate: 0.12%

Run 1: Report of FillP — Data Link



Run 2: Statistics of FillP

Start at: 2018-07-04 03:13:58

End at: 2018-07-04 03:14:29

Local clock offset: 2.676 ms

Remote clock offset: -6.551 ms

Below is generated by plot.py at 2018-07-04 06:20:20

Datalink statistics

-- Total of 1 flow:

Average throughput: 93.42 Mbit/s

95th percentile per-packet one-way delay: 28.283 ms

Loss rate: 0.12%

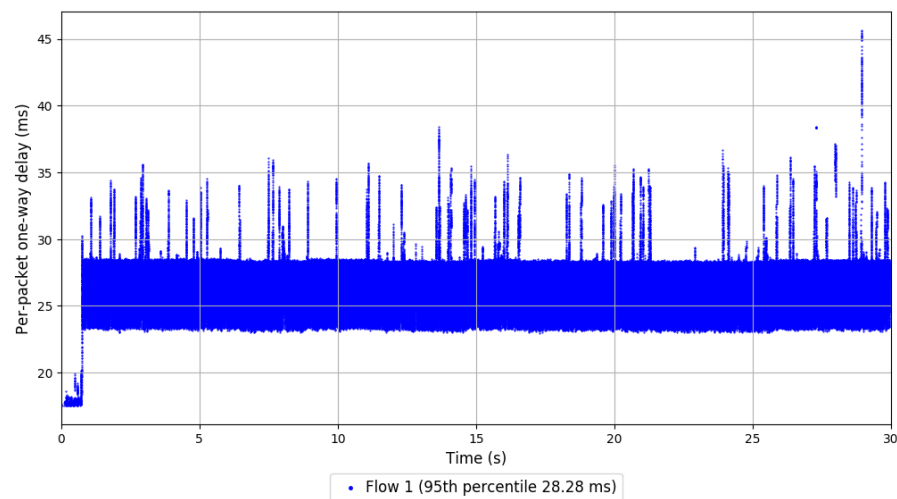
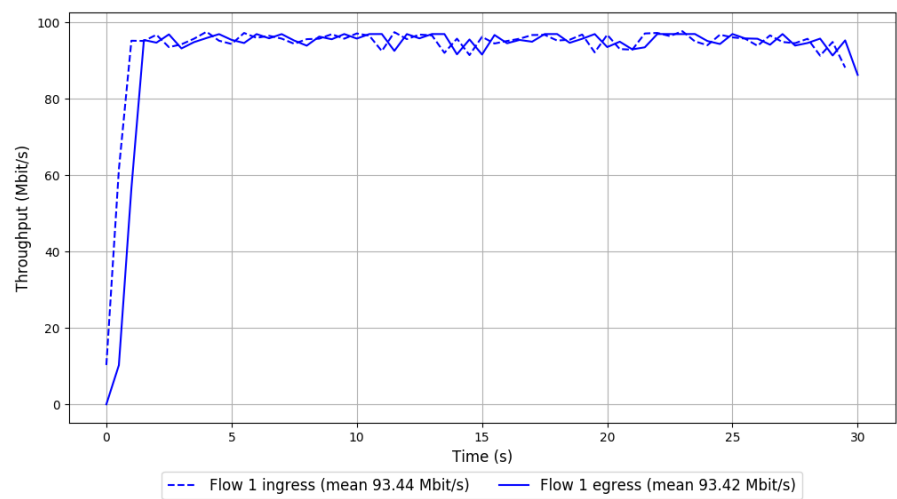
-- Flow 1:

Average throughput: 93.42 Mbit/s

95th percentile per-packet one-way delay: 28.283 ms

Loss rate: 0.12%

Run 2: Report of FillP — Data Link

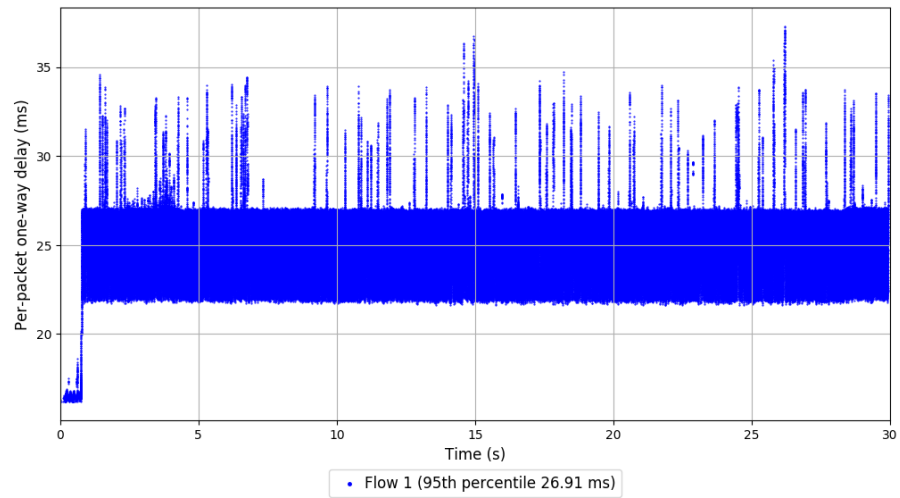
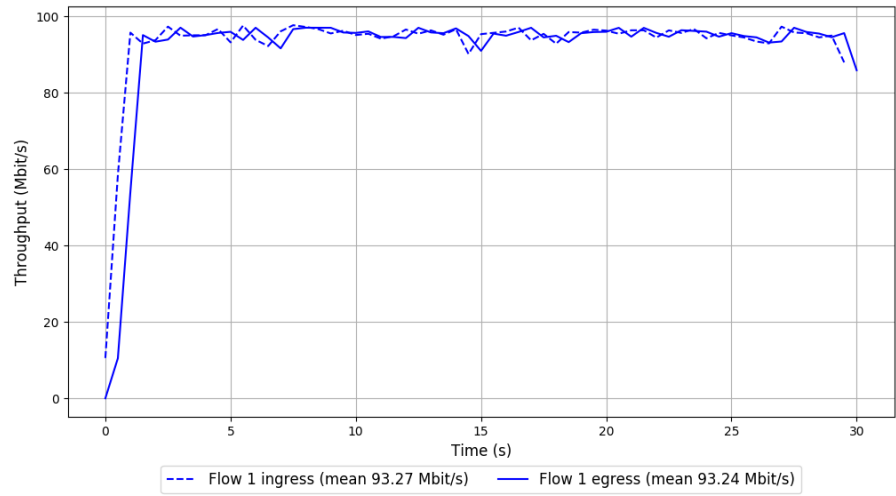


Run 3: Statistics of FillP

Start at: 2018-07-04 03:34:11
End at: 2018-07-04 03:34:41
Local clock offset: 1.827 ms
Remote clock offset: -12.118 ms

Below is generated by plot.py at 2018-07-04 06:20:53
Datalink statistics
-- Total of 1 flow:
Average throughput: 93.24 Mbit/s
95th percentile per-packet one-way delay: 26.909 ms
Loss rate: 0.11%
-- Flow 1:
Average throughput: 93.24 Mbit/s
95th percentile per-packet one-way delay: 26.909 ms
Loss rate: 0.11%

Run 3: Report of FillP — Data Link



Run 4: Statistics of FillP

Start at: 2018-07-04 03:54:26

End at: 2018-07-04 03:54:56

Local clock offset: 0.273 ms

Remote clock offset: -11.8 ms

Below is generated by plot.py at 2018-07-04 06:21:11

Datalink statistics

-- Total of 1 flow:

Average throughput: 94.94 Mbit/s

95th percentile per-packet one-way delay: 31.643 ms

Loss rate: 0.12%

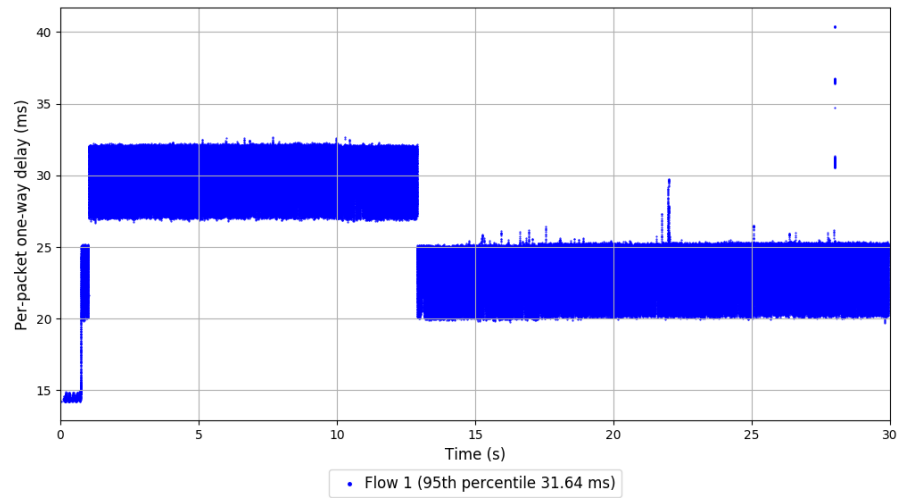
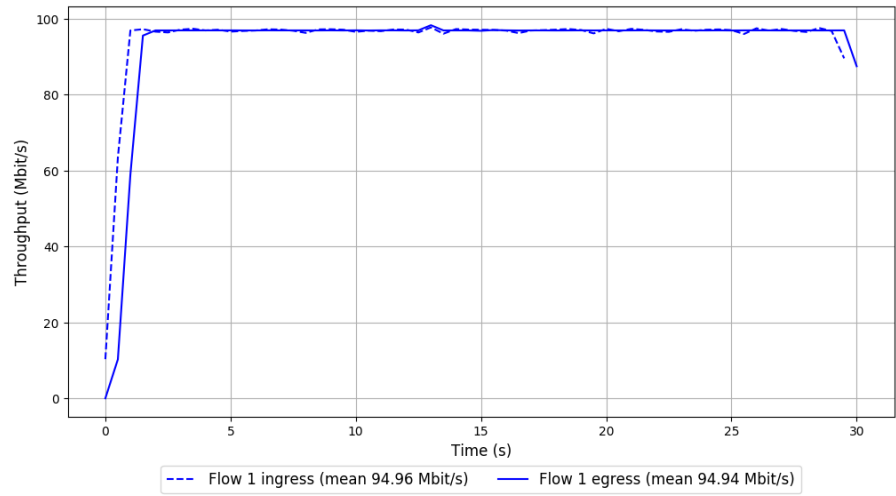
-- Flow 1:

Average throughput: 94.94 Mbit/s

95th percentile per-packet one-way delay: 31.643 ms

Loss rate: 0.12%

Run 4: Report of FillP — Data Link

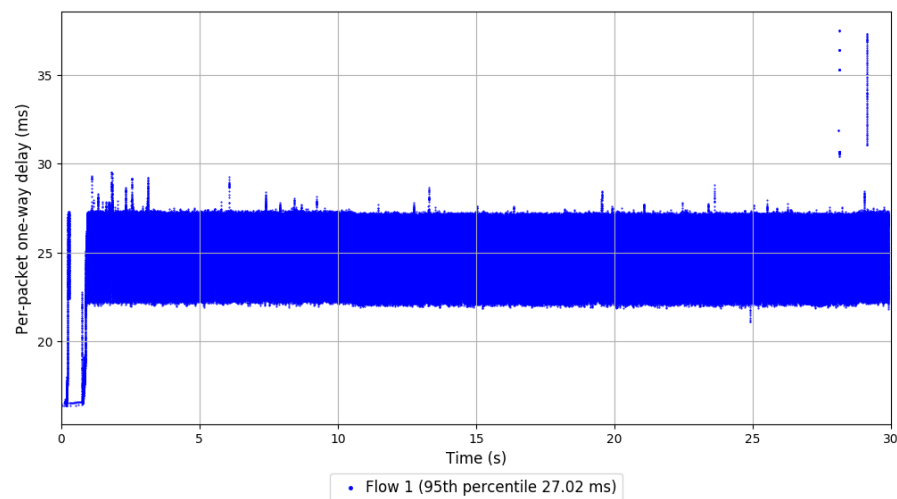
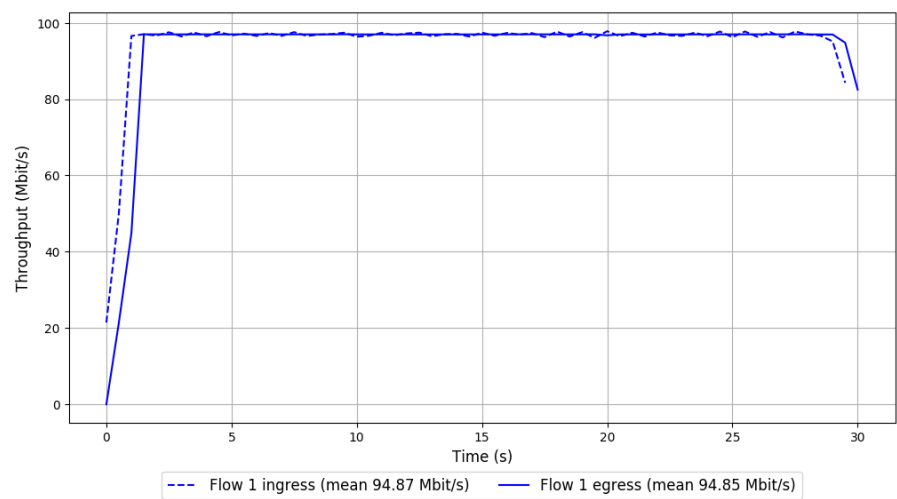


Run 5: Statistics of FillP

Start at: 2018-07-04 04:14:30
End at: 2018-07-04 04:15:00
Local clock offset: 2.159 ms
Remote clock offset: -9.489 ms

Below is generated by plot.py at 2018-07-04 06:21:12
Datalink statistics
-- Total of 1 flow:
Average throughput: 94.85 Mbit/s
95th percentile per-packet one-way delay: 27.017 ms
Loss rate: 0.12%
-- Flow 1:
Average throughput: 94.85 Mbit/s
95th percentile per-packet one-way delay: 27.017 ms
Loss rate: 0.12%

Run 5: Report of FillP — Data Link

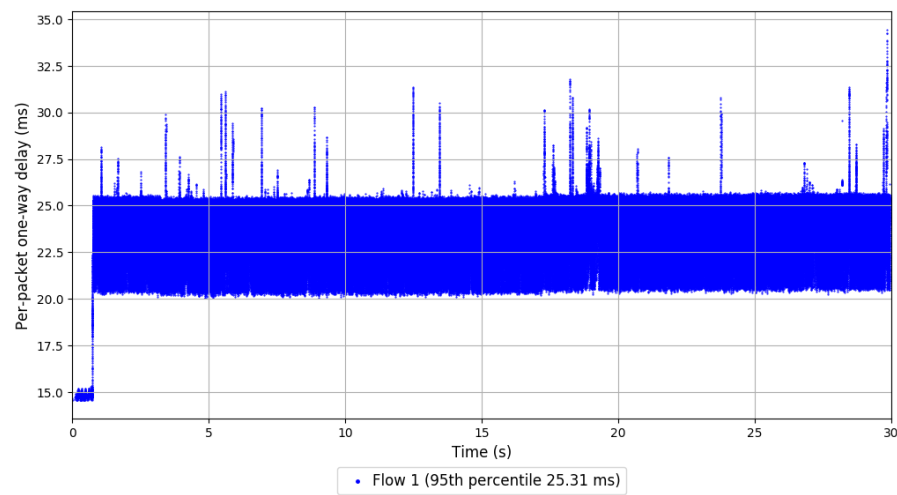
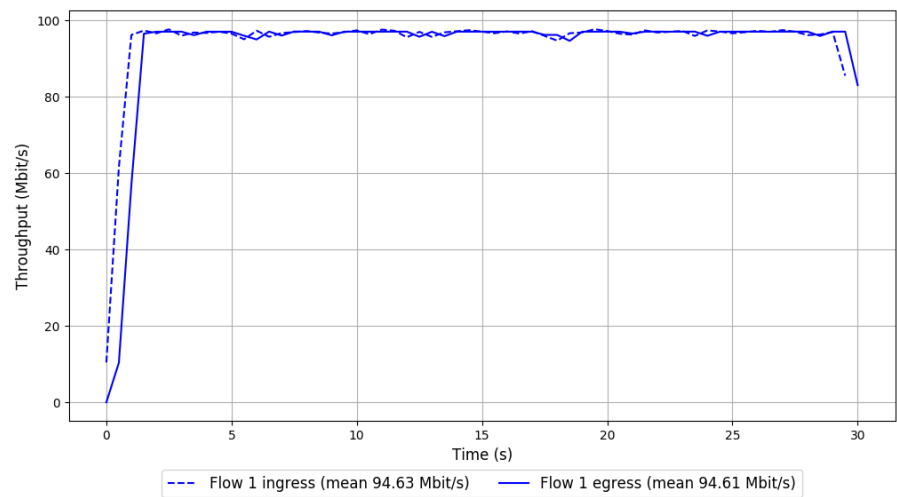


Run 6: Statistics of FillP

Start at: 2018-07-04 04:34:43
End at: 2018-07-04 04:35:13
Local clock offset: -0.368 ms
Remote clock offset: -3.581 ms

Below is generated by plot.py at 2018-07-04 06:21:21
Datalink statistics
-- Total of 1 flow:
Average throughput: 94.61 Mbit/s
95th percentile per-packet one-way delay: 25.313 ms
Loss rate: 0.12%
-- Flow 1:
Average throughput: 94.61 Mbit/s
95th percentile per-packet one-way delay: 25.313 ms
Loss rate: 0.12%

Run 6: Report of FillP — Data Link



Run 7: Statistics of FillP

Start at: 2018-07-04 04:54:46

End at: 2018-07-04 04:55:16

Local clock offset: 3.646 ms

Remote clock offset: 0.505 ms

Below is generated by plot.py at 2018-07-04 06:21:26

Datalink statistics

-- Total of 1 flow:

Average throughput: 96.30 Mbit/s

95th percentile per-packet one-way delay: 29.132 ms

Loss rate: 0.14%

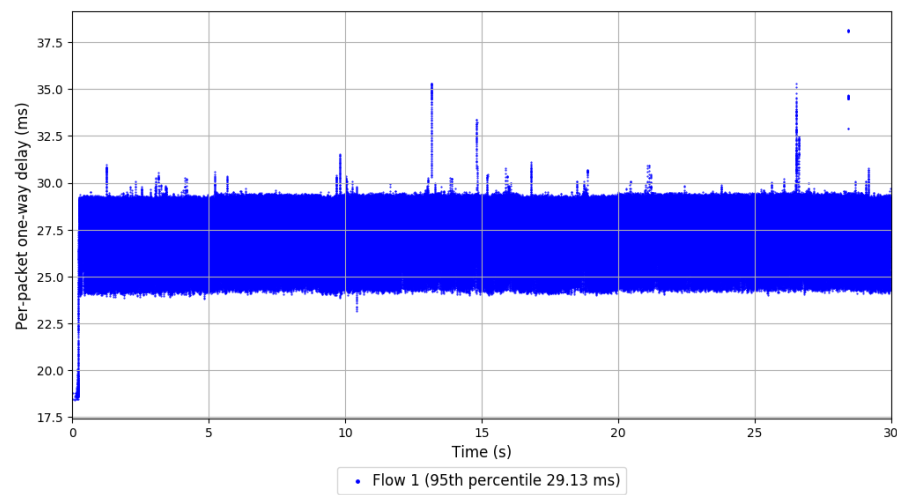
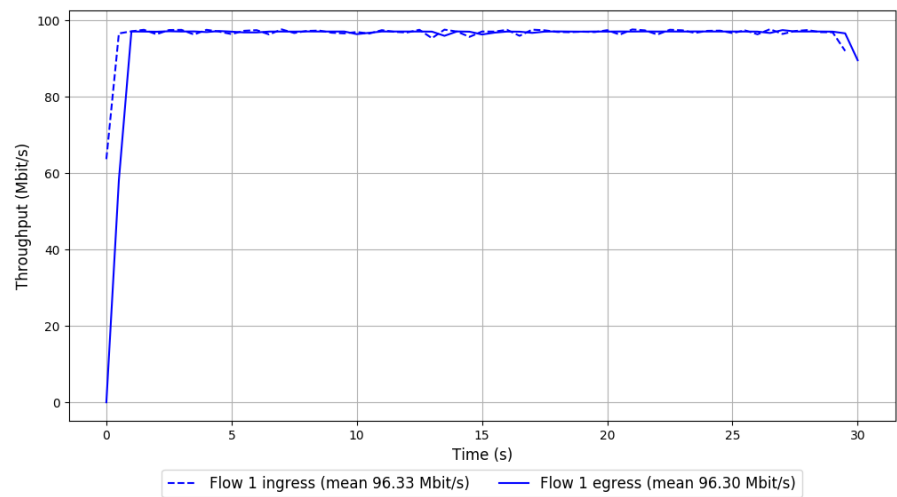
-- Flow 1:

Average throughput: 96.30 Mbit/s

95th percentile per-packet one-way delay: 29.132 ms

Loss rate: 0.14%

Run 7: Report of FillP — Data Link

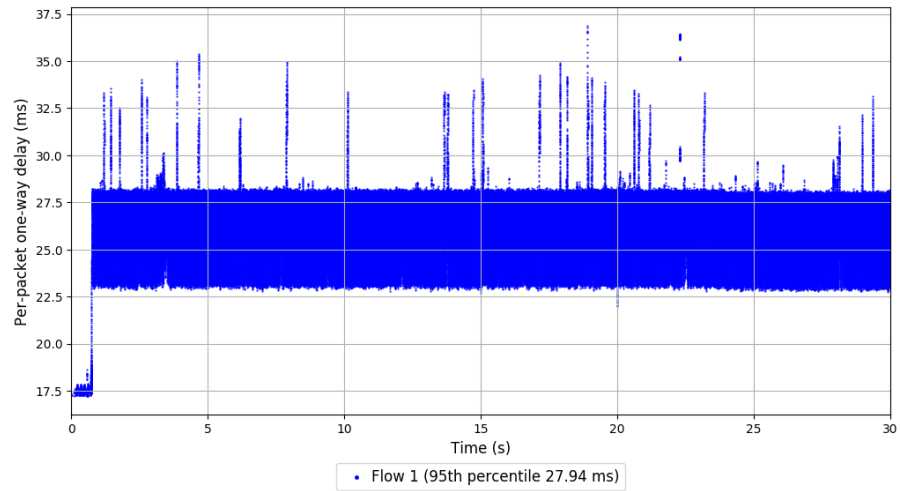
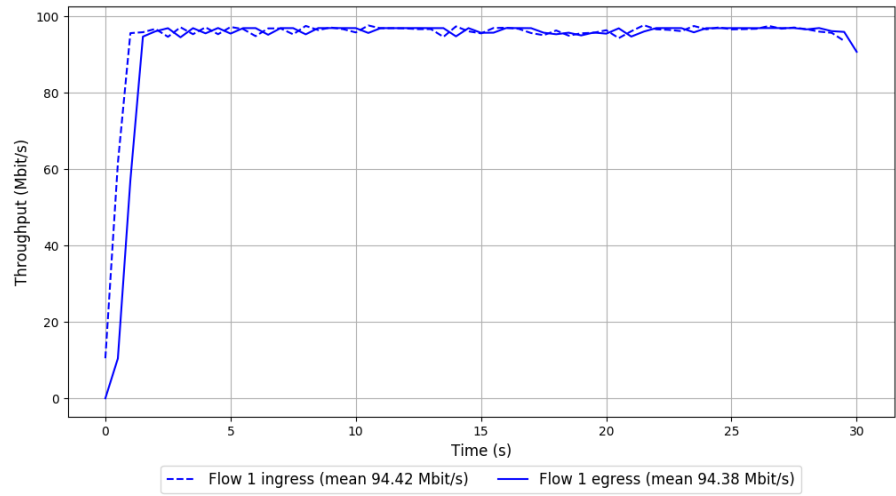


Run 8: Statistics of FillP

Start at: 2018-07-04 05:14:48
End at: 2018-07-04 05:15:18
Local clock offset: 2.486 ms
Remote clock offset: -0.556 ms

Below is generated by plot.py at 2018-07-04 06:21:26
Datalink statistics
-- Total of 1 flow:
Average throughput: 94.38 Mbit/s
95th percentile per-packet one-way delay: 27.940 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 94.38 Mbit/s
95th percentile per-packet one-way delay: 27.940 ms
Loss rate: 0.13%

Run 8: Report of FillP — Data Link

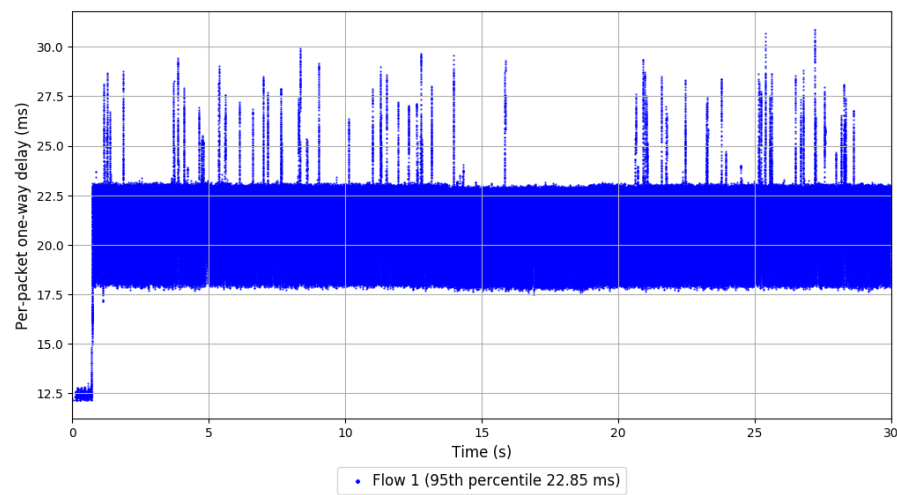
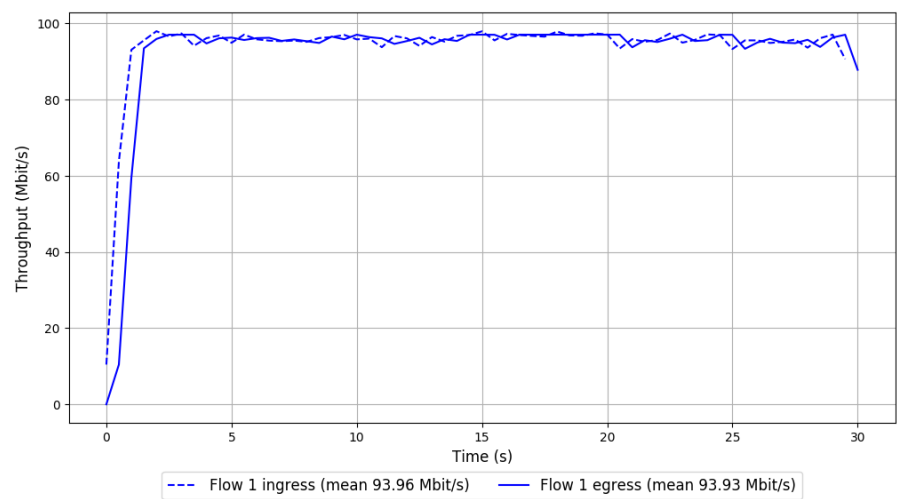


Run 9: Statistics of FillP

Start at: 2018-07-04 05:34:56
End at: 2018-07-04 05:35:26
Local clock offset: -3.075 ms
Remote clock offset: -0.739 ms

Below is generated by plot.py at 2018-07-04 06:21:40
Datalink statistics
-- Total of 1 flow:
Average throughput: 93.93 Mbit/s
95th percentile per-packet one-way delay: 22.847 ms
Loss rate: 0.12%
-- Flow 1:
Average throughput: 93.93 Mbit/s
95th percentile per-packet one-way delay: 22.847 ms
Loss rate: 0.12%

Run 9: Report of FillP — Data Link

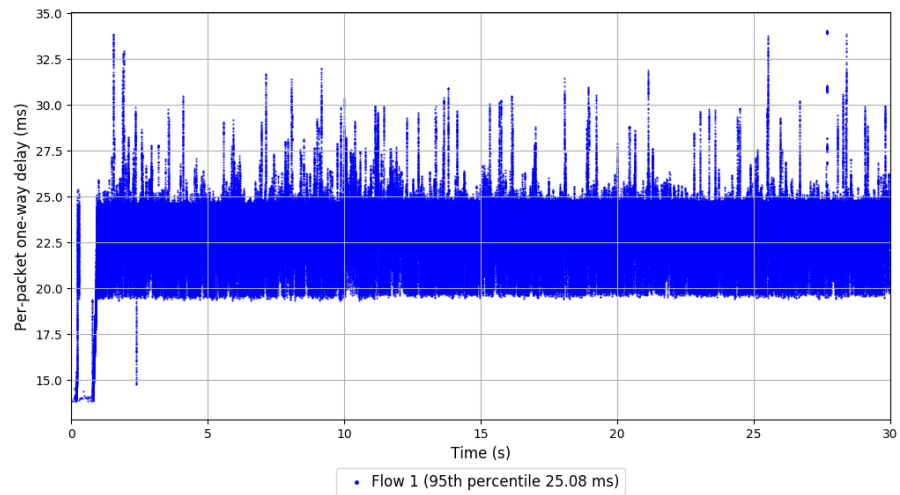
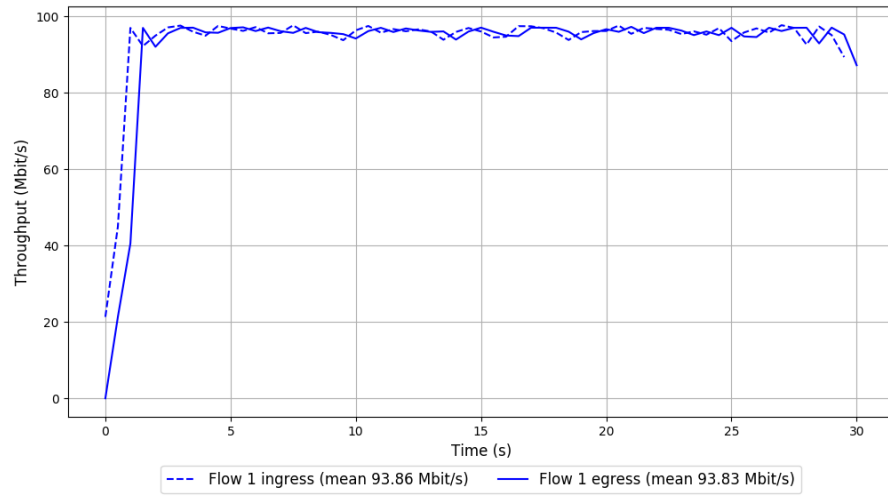


Run 10: Statistics of FillP

Start at: 2018-07-04 05:55:23
End at: 2018-07-04 05:55:53
Local clock offset: -1.471 ms
Remote clock offset: -1.168 ms

Below is generated by plot.py at 2018-07-04 06:21:43
Datalink statistics
-- Total of 1 flow:
Average throughput: 93.83 Mbit/s
95th percentile per-packet one-way delay: 25.079 ms
Loss rate: 0.12%
-- Flow 1:
Average throughput: 93.83 Mbit/s
95th percentile per-packet one-way delay: 25.079 ms
Loss rate: 0.12%

Run 10: Report of FillP — Data Link



Run 1: Statistics of FillP-Sheep

Start at: 2018-07-04 03:05:26

End at: 2018-07-04 03:05:56

Local clock offset: 2.791 ms

Remote clock offset: -6.426 ms

Below is generated by plot.py at 2018-07-04 06:22:22

Datalink statistics

-- Total of 1 flow:

Average throughput: 93.45 Mbit/s

95th percentile per-packet one-way delay: 28.950 ms

Loss rate: 0.12%

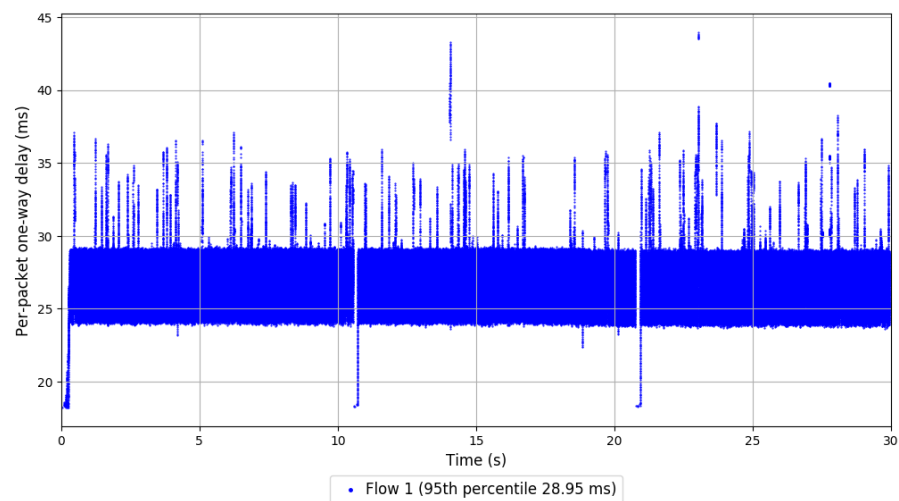
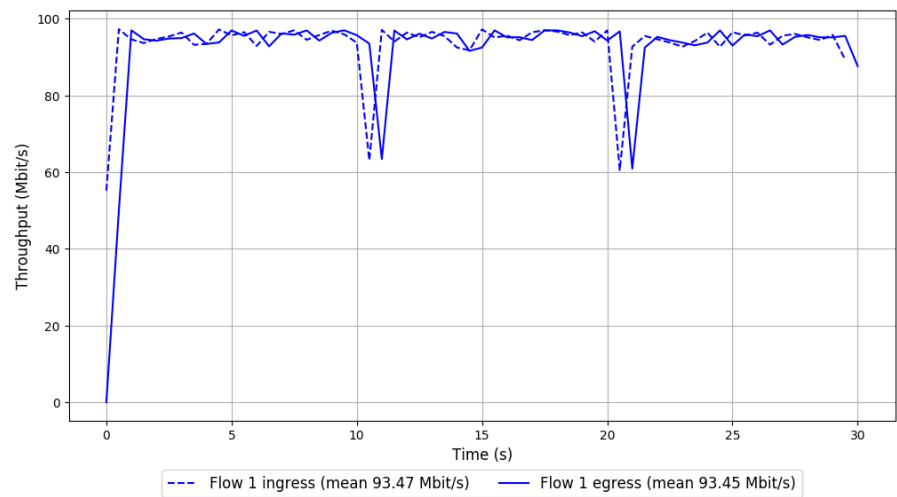
-- Flow 1:

Average throughput: 93.45 Mbit/s

95th percentile per-packet one-way delay: 28.950 ms

Loss rate: 0.12%

Run 1: Report of FillP-Sheep — Data Link



Run 2: Statistics of FillP-Sheep

Start at: 2018-07-04 03:25:49

End at: 2018-07-04 03:26:19

Local clock offset: 3.106 ms

Remote clock offset: -10.664 ms

Below is generated by plot.py at 2018-07-04 06:22:32

Datalink statistics

-- Total of 1 flow:

Average throughput: 93.74 Mbit/s

95th percentile per-packet one-way delay: 28.590 ms

Loss rate: 0.12%

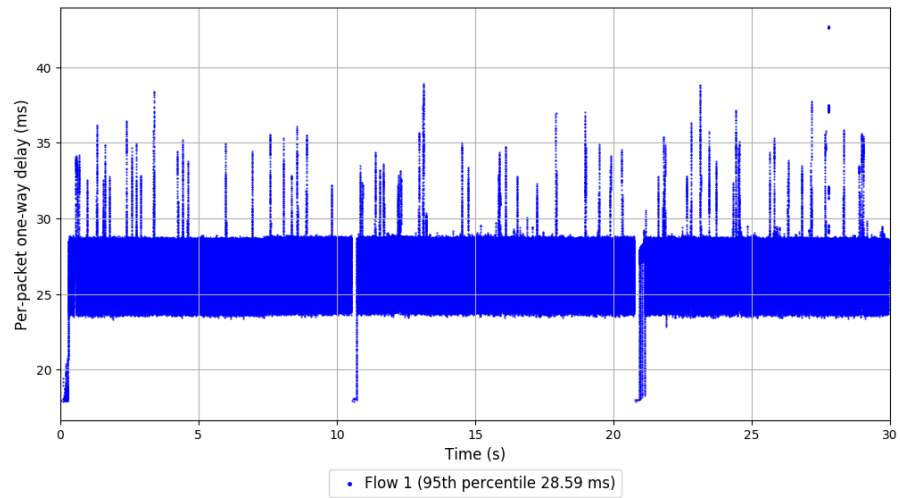
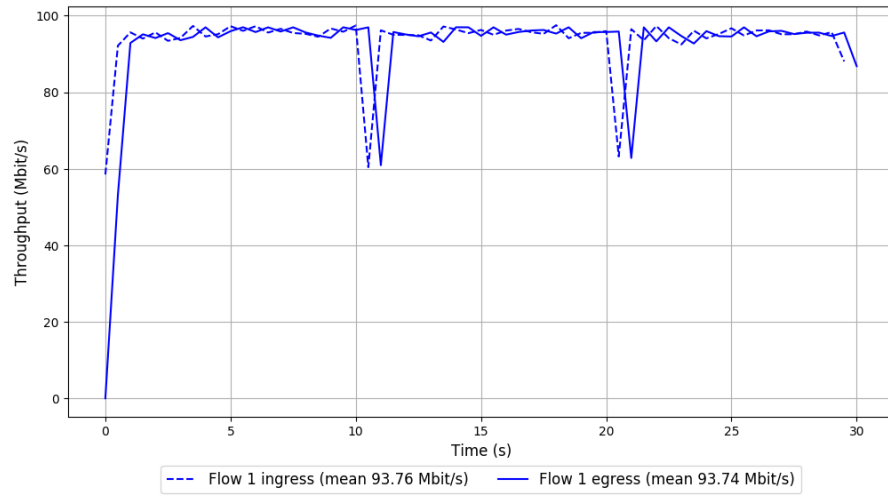
-- Flow 1:

Average throughput: 93.74 Mbit/s

95th percentile per-packet one-way delay: 28.590 ms

Loss rate: 0.12%

Run 2: Report of FillP-Sheep — Data Link

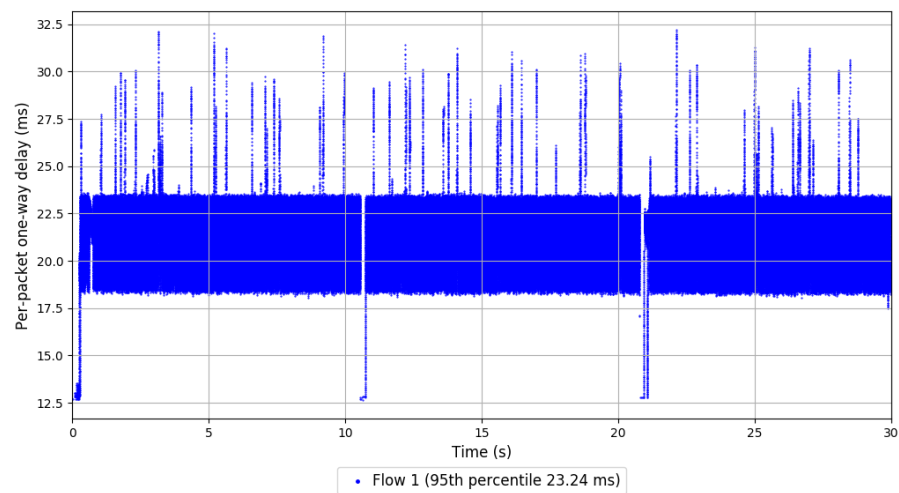
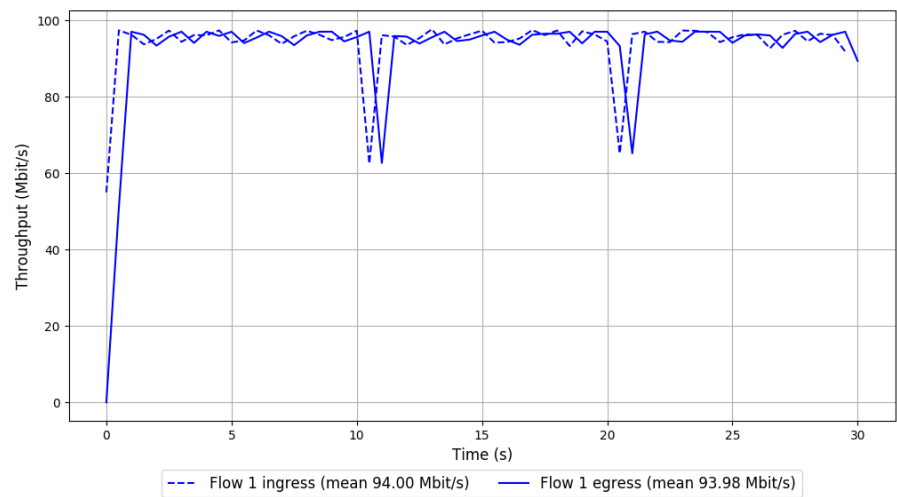


Run 3: Statistics of FillP-Sheep

Start at: 2018-07-04 03:46:02
End at: 2018-07-04 03:46:32
Local clock offset: -2.377 ms
Remote clock offset: -14.55 ms

Below is generated by plot.py at 2018-07-04 06:22:33
Datalink statistics
-- Total of 1 flow:
Average throughput: 93.98 Mbit/s
95th percentile per-packet one-way delay: 23.236 ms
Loss rate: 0.11%
-- Flow 1:
Average throughput: 93.98 Mbit/s
95th percentile per-packet one-way delay: 23.236 ms
Loss rate: 0.11%

Run 3: Report of FillP-Sheep — Data Link

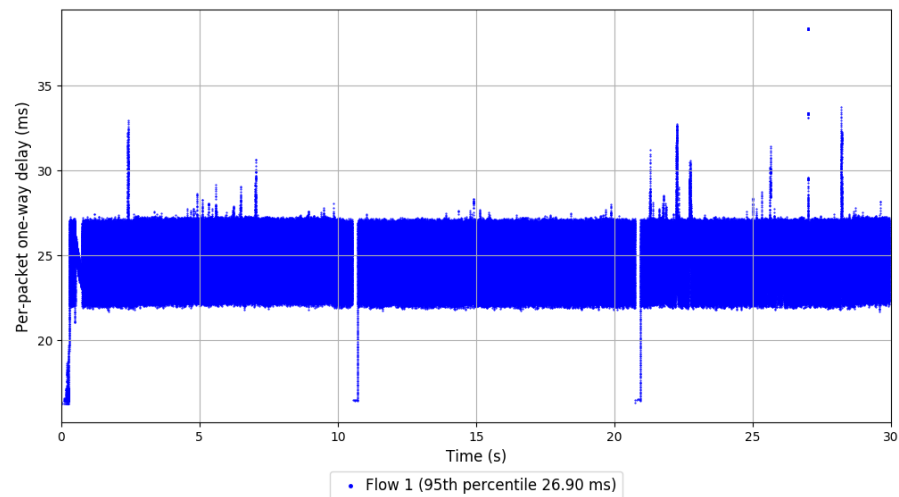
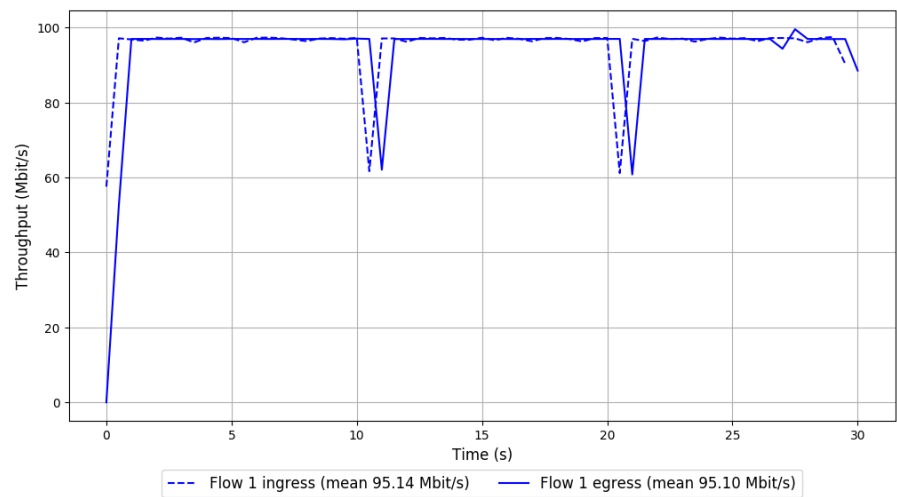


Run 4: Statistics of FillP-Sheep

Start at: 2018-07-04 04:06:09
End at: 2018-07-04 04:06:39
Local clock offset: 2.427 ms
Remote clock offset: -9.488 ms

Below is generated by plot.py at 2018-07-04 06:22:43
Datalink statistics
-- Total of 1 flow:
Average throughput: 95.10 Mbit/s
95th percentile per-packet one-way delay: 26.899 ms
Loss rate: 0.12%
-- Flow 1:
Average throughput: 95.10 Mbit/s
95th percentile per-packet one-way delay: 26.899 ms
Loss rate: 0.12%

Run 4: Report of FillP-Sheep — Data Link

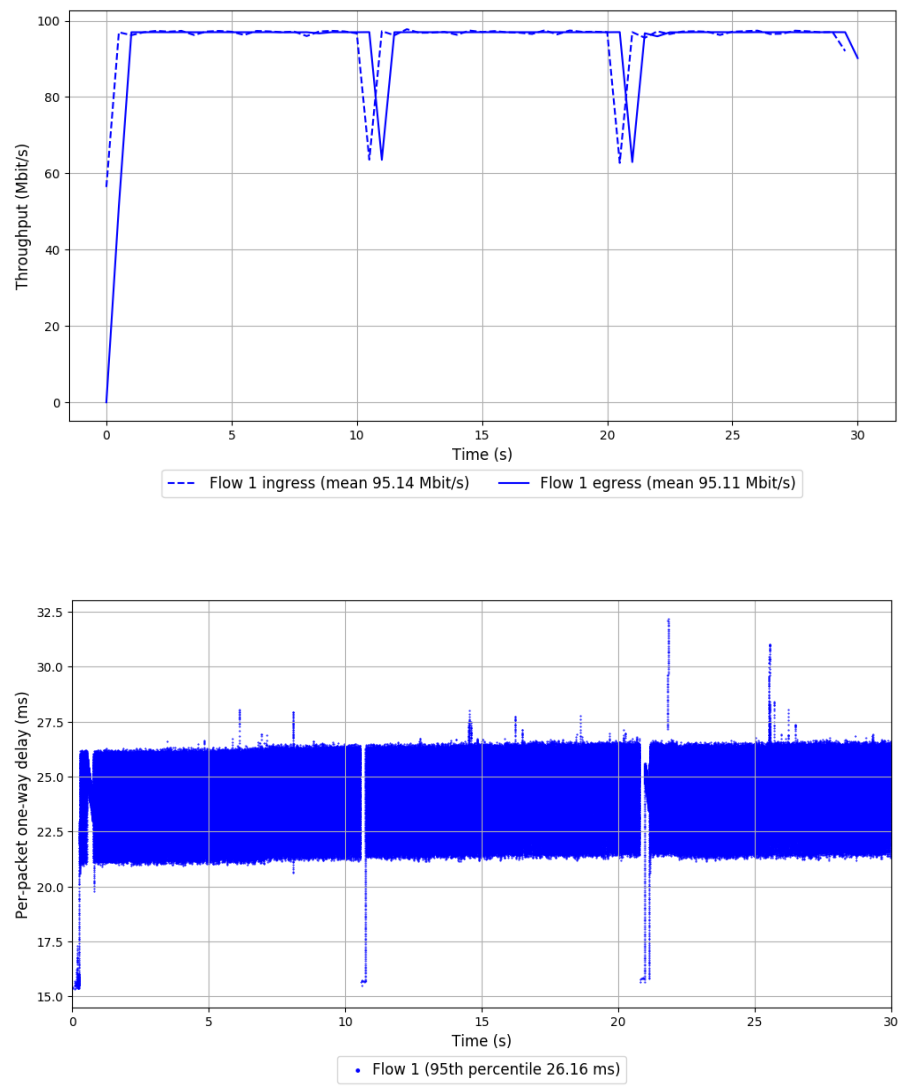


Run 5: Statistics of FillP-Sheep

Start at: 2018-07-04 04:26:15
End at: 2018-07-04 04:26:45
Local clock offset: 0.195 ms
Remote clock offset: -8.478 ms

Below is generated by plot.py at 2018-07-04 06:22:44
Datalink statistics
-- Total of 1 flow:
Average throughput: 95.11 Mbit/s
95th percentile per-packet one-way delay: 26.155 ms
Loss rate: 0.12%
-- Flow 1:
Average throughput: 95.11 Mbit/s
95th percentile per-packet one-way delay: 26.155 ms
Loss rate: 0.12%

Run 5: Report of FillP-Sheep — Data Link



Run 6: Statistics of FillP-Sheep

Start at: 2018-07-04 04:46:30

End at: 2018-07-04 04:47:00

Local clock offset: 0.411 ms

Remote clock offset: -0.061 ms

Below is generated by plot.py at 2018-07-04 06:22:45

Datalink statistics

-- Total of 1 flow:

Average throughput: 94.86 Mbit/s

95th percentile per-packet one-way delay: 25.274 ms

Loss rate: 0.12%

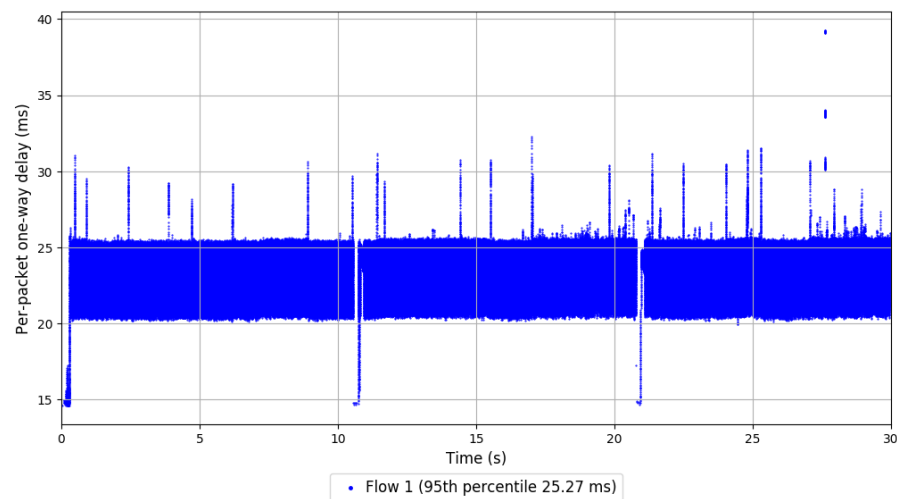
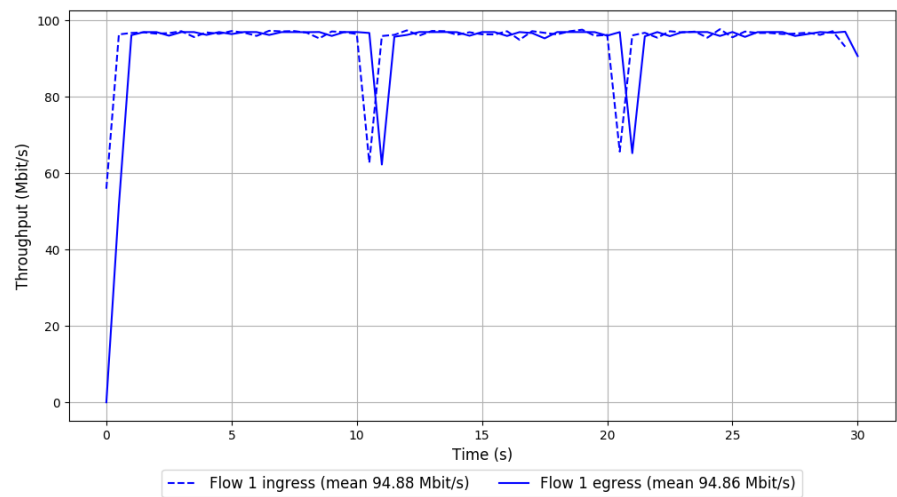
-- Flow 1:

Average throughput: 94.86 Mbit/s

95th percentile per-packet one-way delay: 25.274 ms

Loss rate: 0.12%

Run 6: Report of FillP-Sheep — Data Link

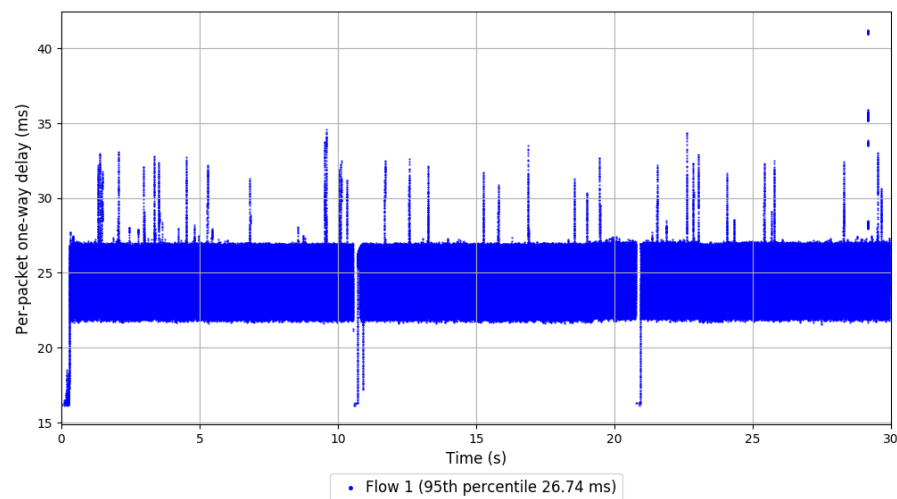
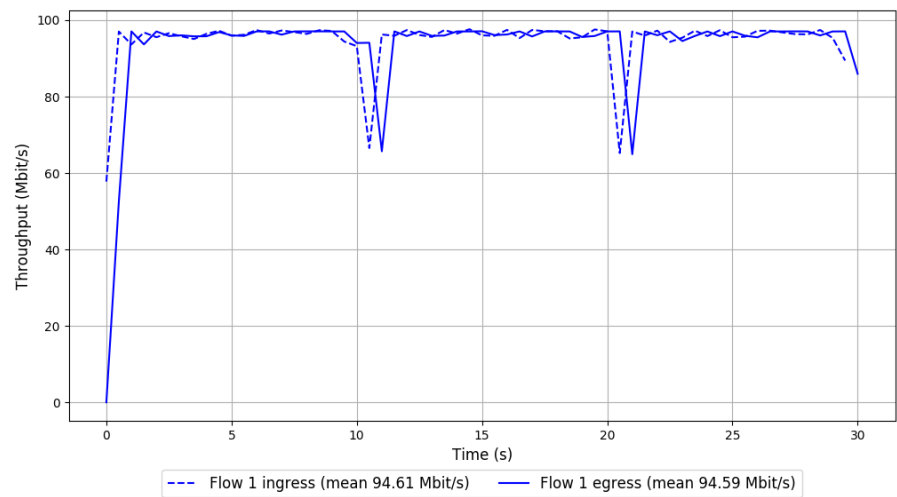


Run 7: Statistics of FillP-Sheep

Start at: 2018-07-04 05:06:25
End at: 2018-07-04 05:06:55
Local clock offset: 1.199 ms
Remote clock offset: -0.507 ms

Below is generated by plot.py at 2018-07-04 06:23:03
Datalink statistics
-- Total of 1 flow:
Average throughput: 94.59 Mbit/s
95th percentile per-packet one-way delay: 26.741 ms
Loss rate: 0.12%
-- Flow 1:
Average throughput: 94.59 Mbit/s
95th percentile per-packet one-way delay: 26.741 ms
Loss rate: 0.12%

Run 7: Report of FillP-Sheep — Data Link



Run 8: Statistics of FillP-Sheep

Start at: 2018-07-04 05:26:36

End at: 2018-07-04 05:27:06

Local clock offset: 2.895 ms

Remote clock offset: 0.226 ms

Below is generated by plot.py at 2018-07-04 06:23:06

Datalink statistics

-- Total of 1 flow:

Average throughput: 94.64 Mbit/s

95th percentile per-packet one-way delay: 27.880 ms

Loss rate: 0.13%

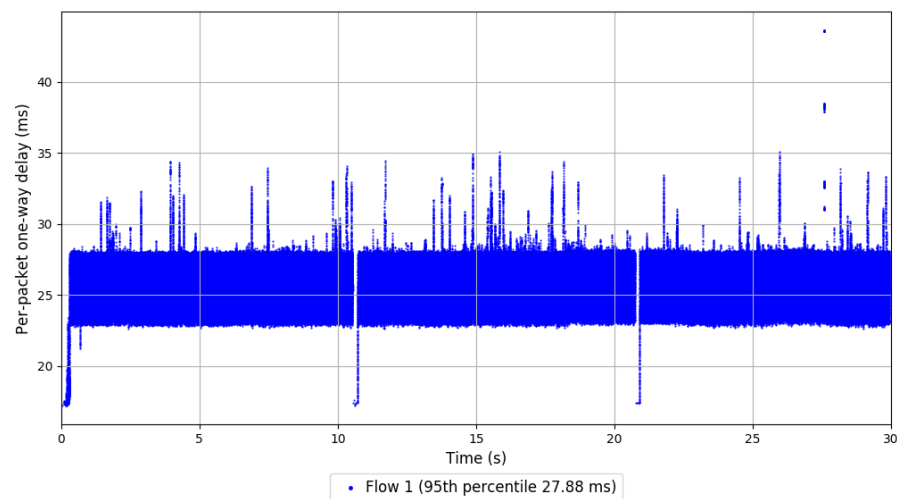
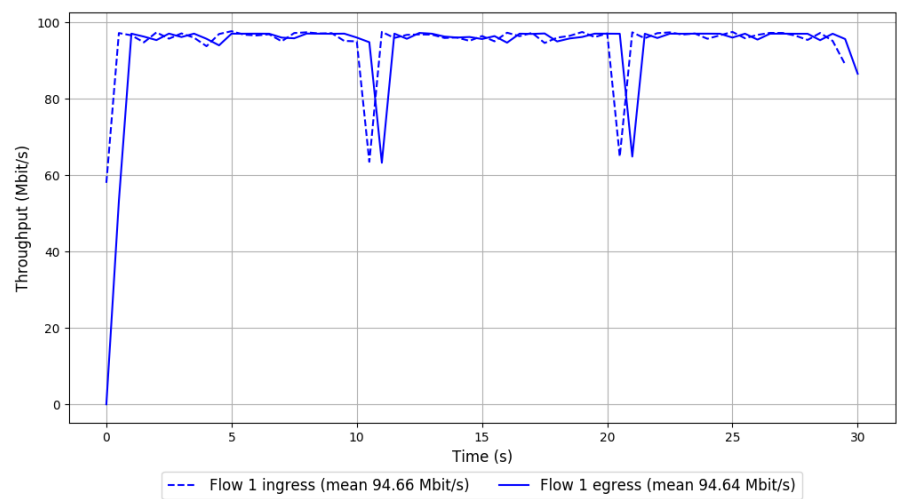
-- Flow 1:

Average throughput: 94.64 Mbit/s

95th percentile per-packet one-way delay: 27.880 ms

Loss rate: 0.13%

Run 8: Report of FillP-Sheep — Data Link



Run 9: Statistics of FillP-Sheep

Start at: 2018-07-04 05:47:00

End at: 2018-07-04 05:47:30

Local clock offset: 0.432 ms

Remote clock offset: 0.745 ms

Below is generated by plot.py at 2018-07-04 06:23:44

Datalink statistics

-- Total of 1 flow:

Average throughput: 94.38 Mbit/s

95th percentile per-packet one-way delay: 24.428 ms

Loss rate: 0.08%

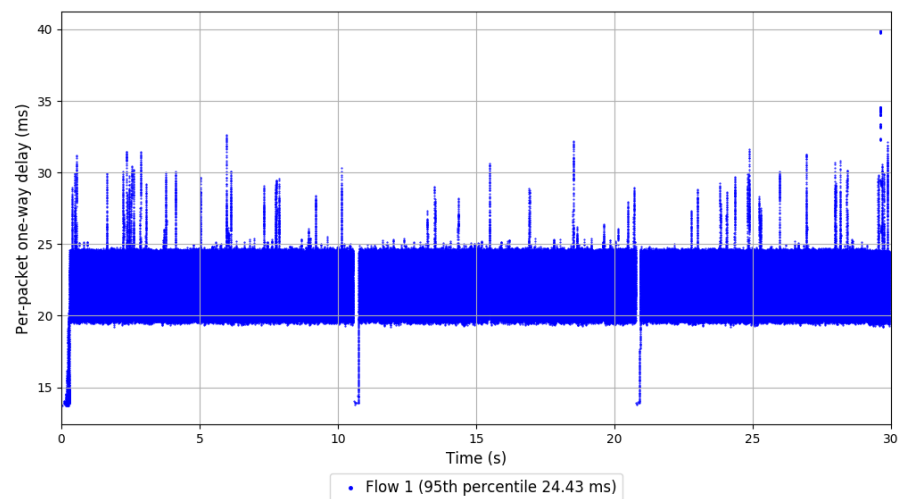
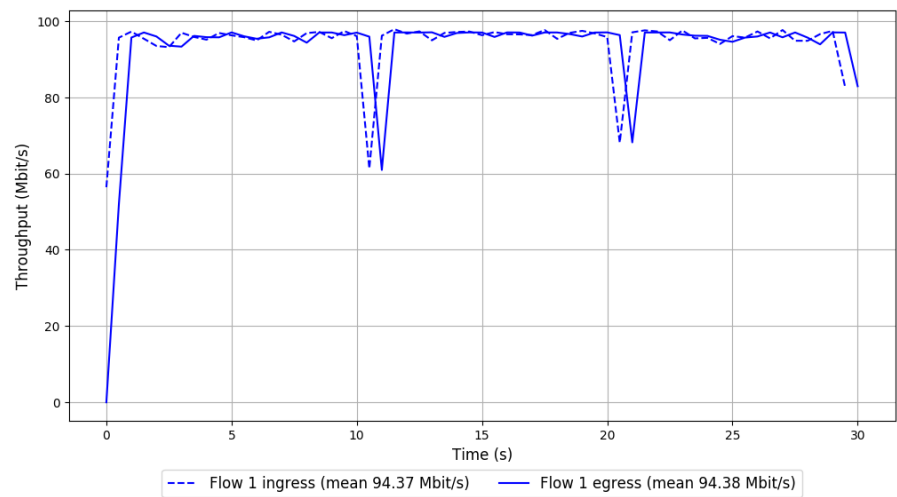
-- Flow 1:

Average throughput: 94.38 Mbit/s

95th percentile per-packet one-way delay: 24.428 ms

Loss rate: 0.08%

Run 9: Report of FillP-Sheep — Data Link

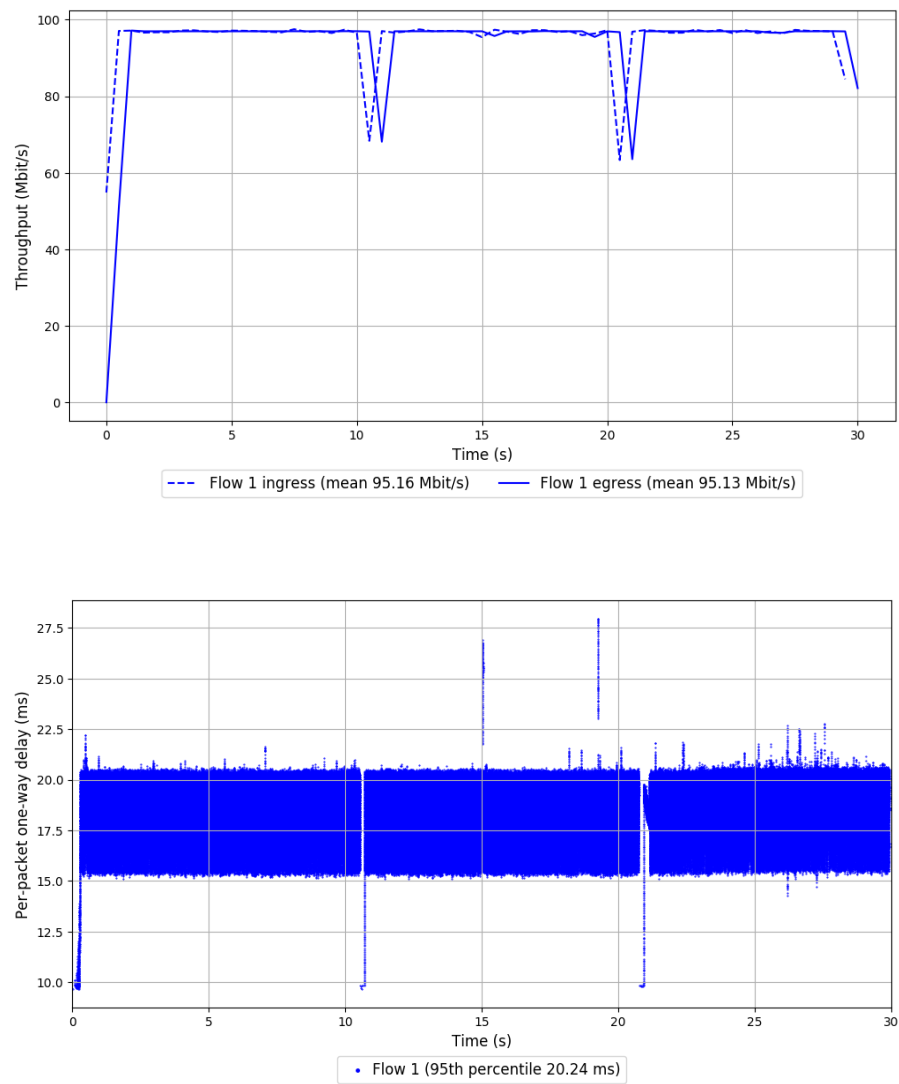


Run 10: Statistics of FillP-Sheep

Start at: 2018-07-04 06:07:18
End at: 2018-07-04 06:07:48
Local clock offset: -7.679 ms
Remote clock offset: -2.583 ms

Below is generated by plot.py at 2018-07-04 06:23:52
Datalink statistics
-- Total of 1 flow:
Average throughput: 95.13 Mbit/s
95th percentile per-packet one-way delay: 20.237 ms
Loss rate: 0.11%
-- Flow 1:
Average throughput: 95.13 Mbit/s
95th percentile per-packet one-way delay: 20.237 ms
Loss rate: 0.11%

Run 10: Report of FillP-Sheep — Data Link



Run 1: Statistics of Indigo

Start at: 2018-07-04 02:51:16

End at: 2018-07-04 02:51:46

Local clock offset: 4.024 ms

Remote clock offset: -4.689 ms

Below is generated by plot.py at 2018-07-04 06:23:52

Datalink statistics

-- Total of 1 flow:

Average throughput: 96.32 Mbit/s

95th percentile per-packet one-way delay: 22.912 ms

Loss rate: 0.09%

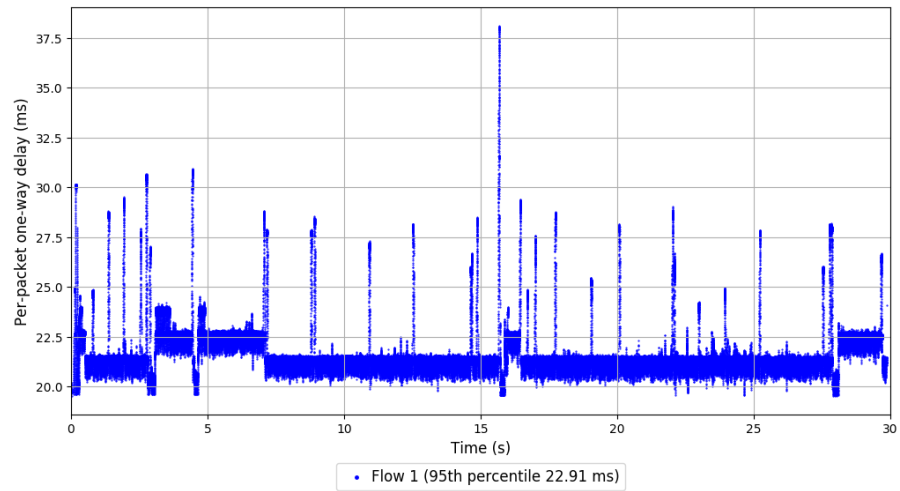
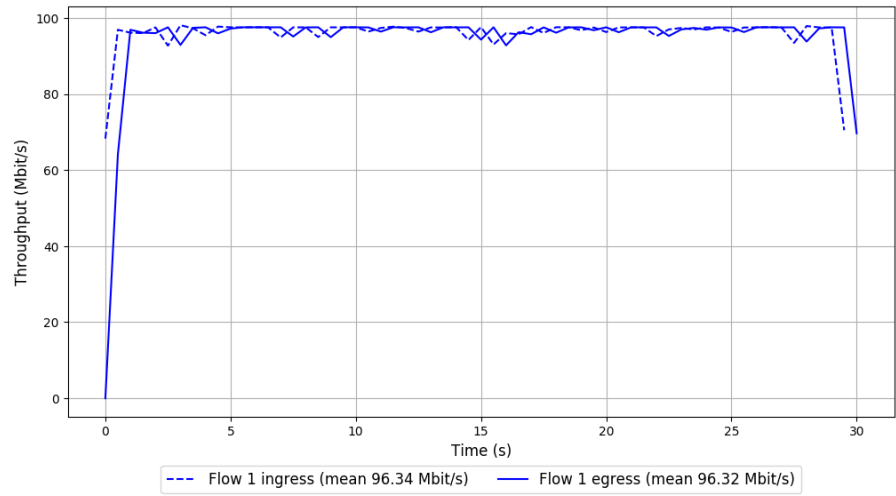
-- Flow 1:

Average throughput: 96.32 Mbit/s

95th percentile per-packet one-way delay: 22.912 ms

Loss rate: 0.09%

Run 1: Report of Indigo — Data Link

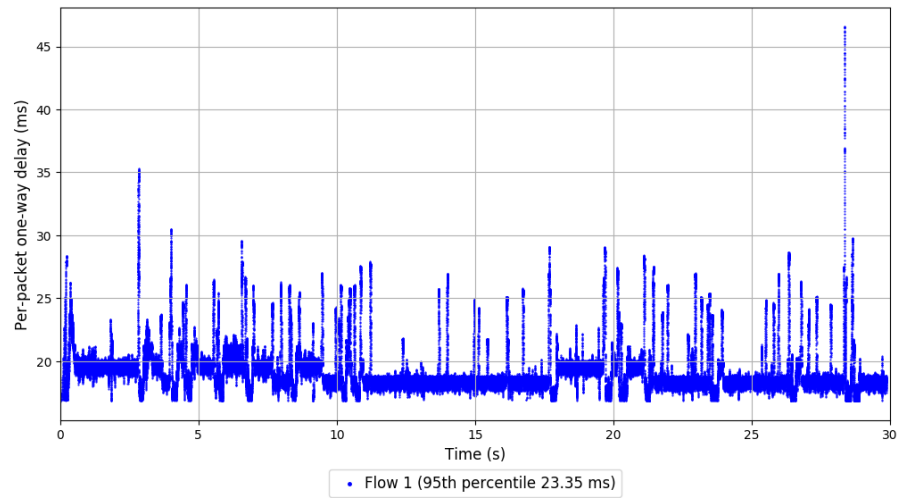
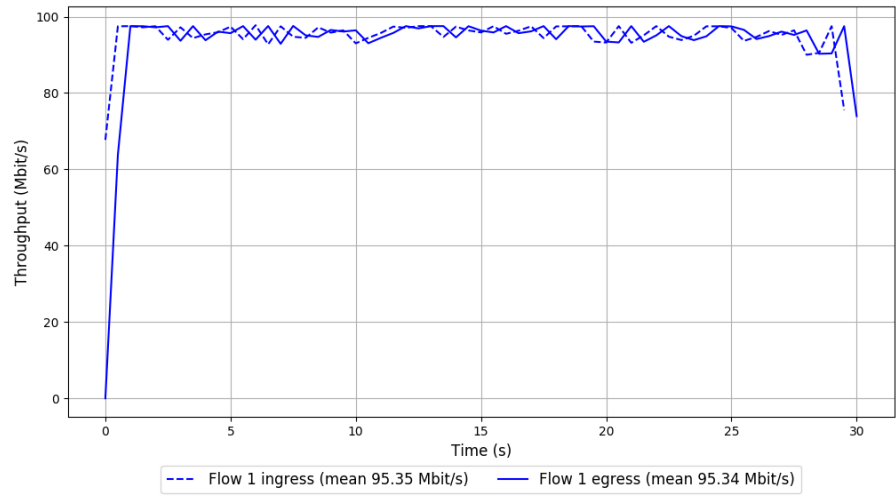


Run 2: Statistics of Indigo

Start at: 2018-07-04 03:11:39
End at: 2018-07-04 03:12:09
Local clock offset: 2.115 ms
Remote clock offset: -6.124 ms

Below is generated by plot.py at 2018-07-04 06:23:52
Datalink statistics
-- Total of 1 flow:
Average throughput: 95.34 Mbit/s
95th percentile per-packet one-way delay: 23.347 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 95.34 Mbit/s
95th percentile per-packet one-way delay: 23.347 ms
Loss rate: 0.09%

Run 2: Report of Indigo — Data Link

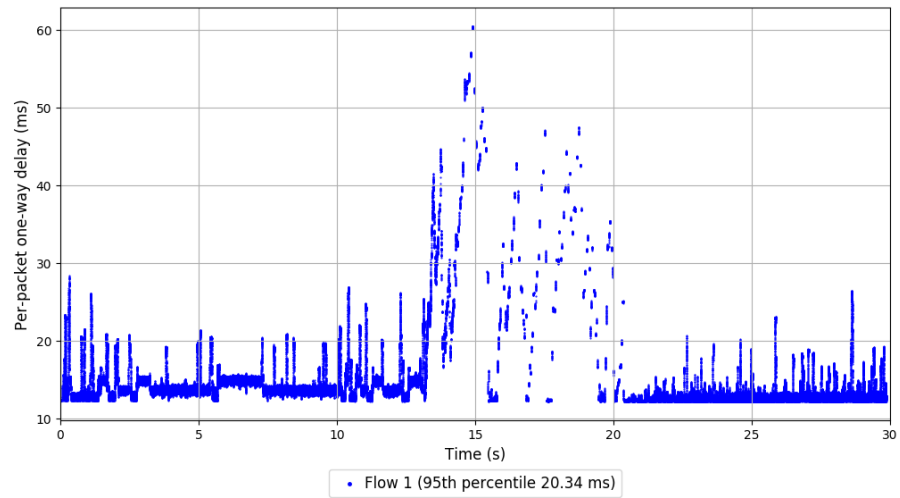
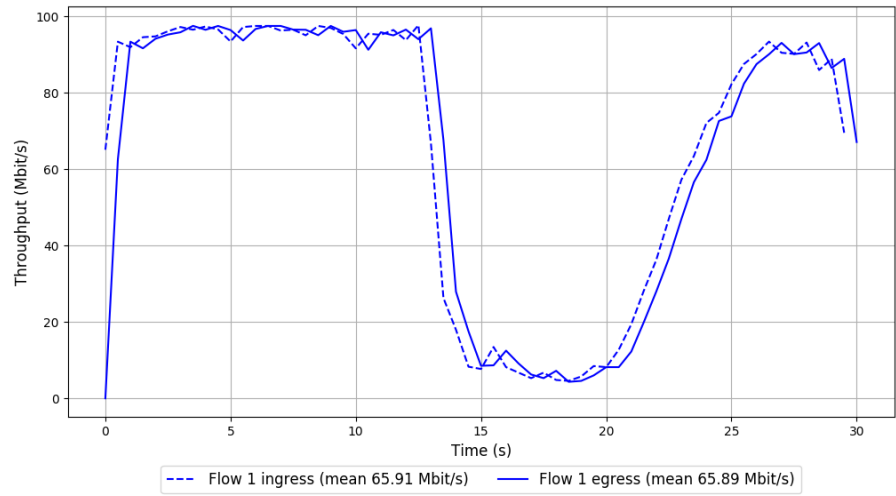


Run 3: Statistics of Indigo

Start at: 2018-07-04 03:31:52
End at: 2018-07-04 03:32:22
Local clock offset: -2.709 ms
Remote clock offset: -12.151 ms

Below is generated by plot.py at 2018-07-04 06:23:52
Datalink statistics
-- Total of 1 flow:
Average throughput: 65.89 Mbit/s
95th percentile per-packet one-way delay: 20.345 ms
Loss rate: 0.12%
-- Flow 1:
Average throughput: 65.89 Mbit/s
95th percentile per-packet one-way delay: 20.345 ms
Loss rate: 0.12%

Run 3: Report of Indigo — Data Link



Run 4: Statistics of Indigo

Start at: 2018-07-04 03:52:05

End at: 2018-07-04 03:52:35

Local clock offset: 1.584 ms

Remote clock offset: -13.729 ms

Below is generated by plot.py at 2018-07-04 06:23:52

Datalink statistics

-- Total of 1 flow:

Average throughput: 95.64 Mbit/s

95th percentile per-packet one-way delay: 22.000 ms

Loss rate: 0.11%

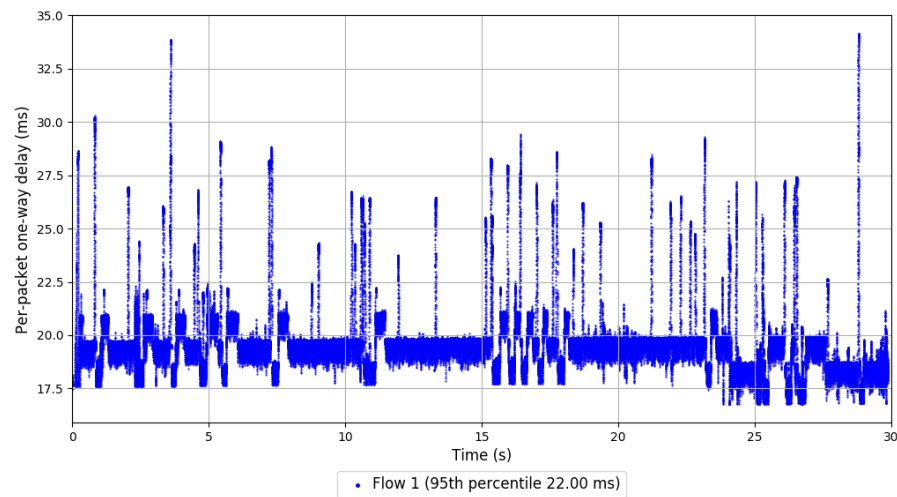
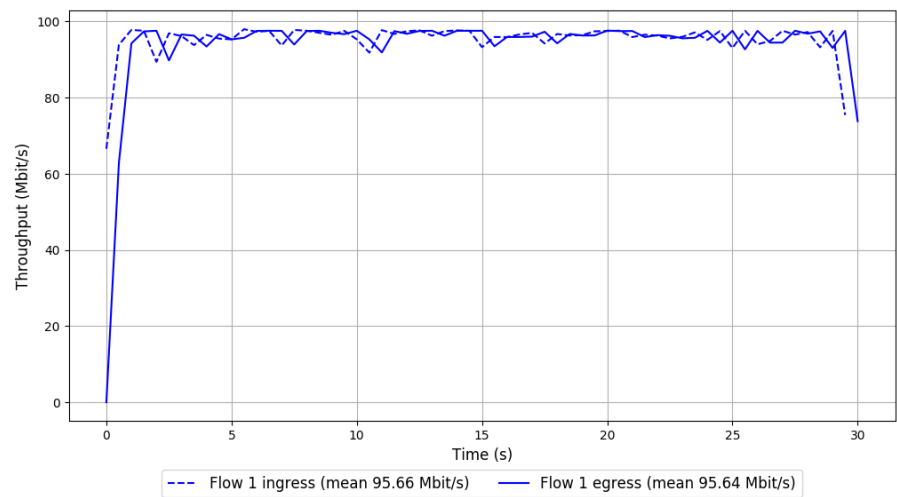
-- Flow 1:

Average throughput: 95.64 Mbit/s

95th percentile per-packet one-way delay: 22.000 ms

Loss rate: 0.11%

Run 4: Report of Indigo — Data Link



Run 5: Statistics of Indigo

Start at: 2018-07-04 04:12:11

End at: 2018-07-04 04:12:41

Local clock offset: 1.506 ms

Remote clock offset: -10.274 ms

Below is generated by plot.py at 2018-07-04 06:24:15

Datalink statistics

-- Total of 1 flow:

Average throughput: 96.69 Mbit/s

95th percentile per-packet one-way delay: 18.809 ms

Loss rate: 0.09%

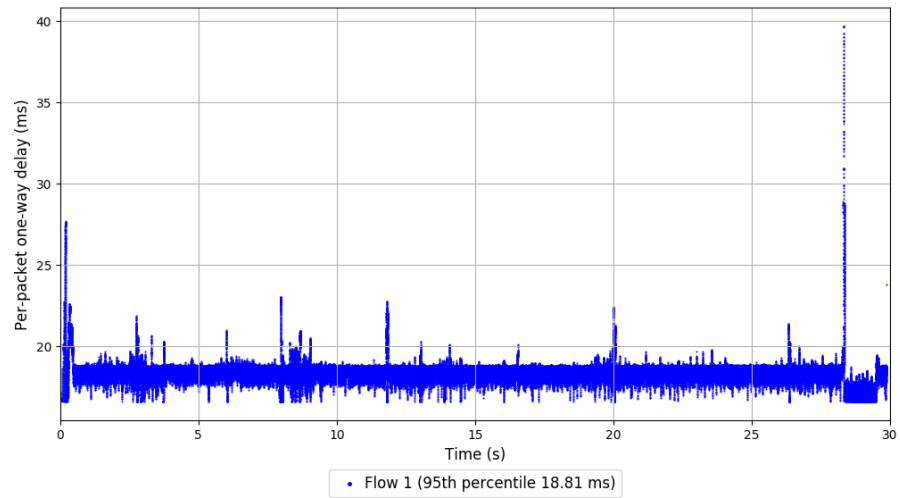
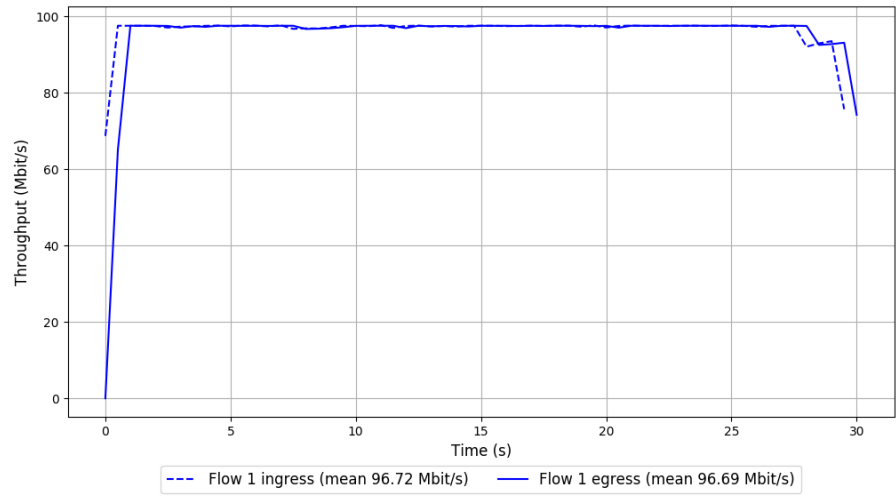
-- Flow 1:

Average throughput: 96.69 Mbit/s

95th percentile per-packet one-way delay: 18.809 ms

Loss rate: 0.09%

Run 5: Report of Indigo — Data Link

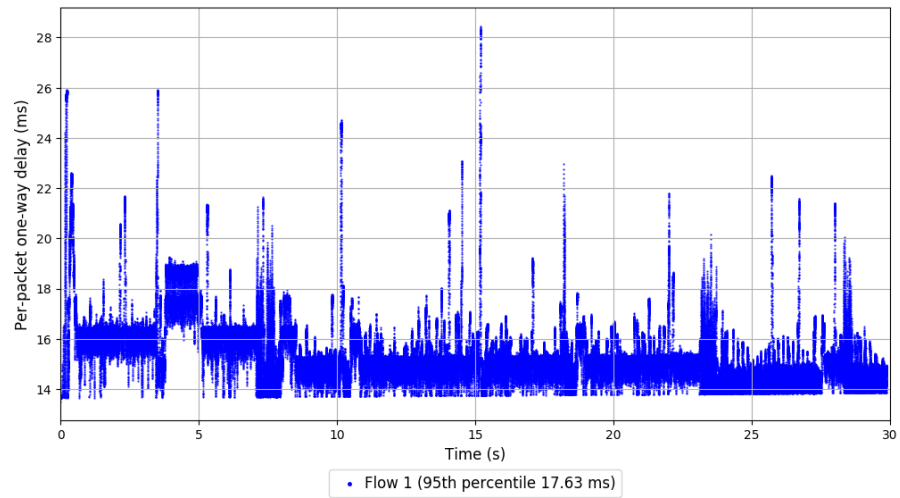
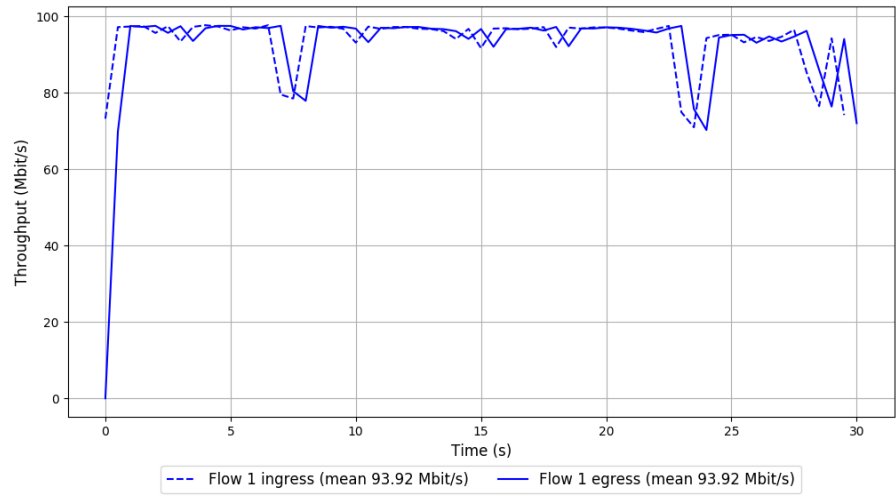


Run 6: Statistics of Indigo

Start at: 2018-07-04 04:32:26
End at: 2018-07-04 04:32:56
Local clock offset: -1.007 ms
Remote clock offset: -4.072 ms

Below is generated by plot.py at 2018-07-04 06:24:16
Datalink statistics
-- Total of 1 flow:
Average throughput: 93.92 Mbit/s
95th percentile per-packet one-way delay: 17.632 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 93.92 Mbit/s
95th percentile per-packet one-way delay: 17.632 ms
Loss rate: 0.09%

Run 6: Report of Indigo — Data Link

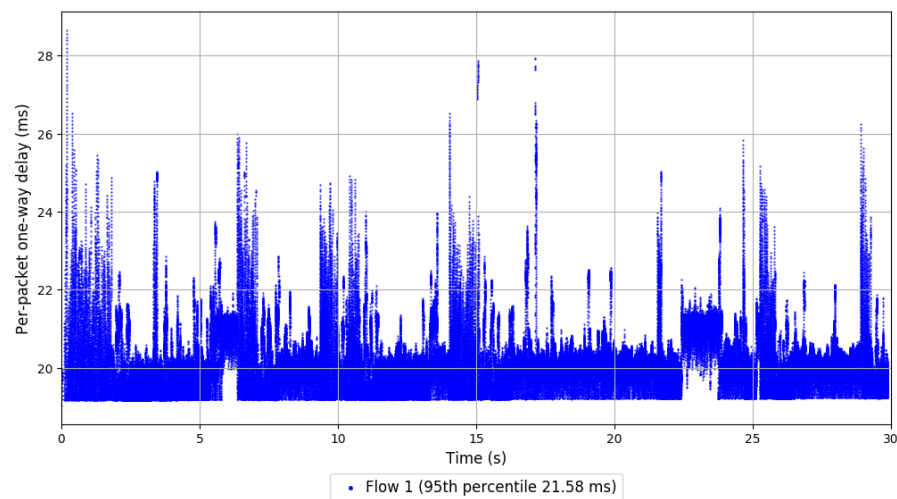
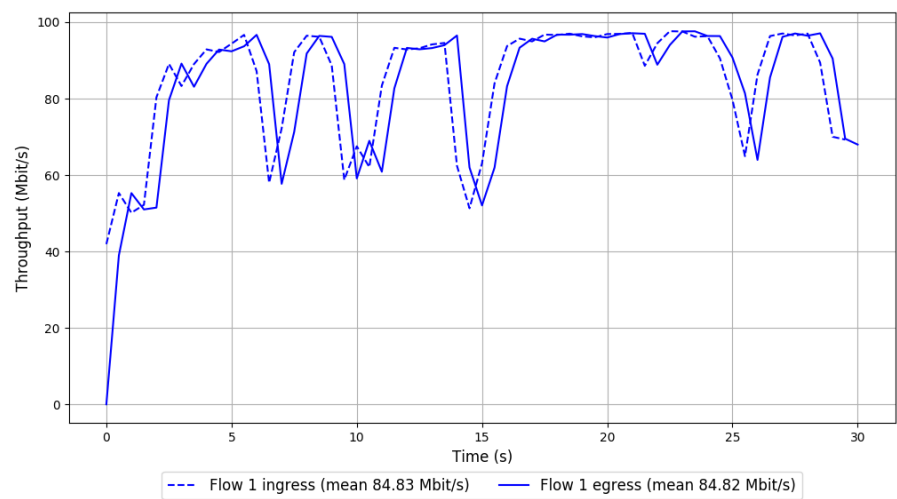


Run 7: Statistics of Indigo

Start at: 2018-07-04 04:52:29
End at: 2018-07-04 04:52:59
Local clock offset: -1.657 ms
Remote clock offset: -5.658 ms

Below is generated by plot.py at 2018-07-04 06:24:33
Datalink statistics
-- Total of 1 flow:
Average throughput: 84.82 Mbit/s
95th percentile per-packet one-way delay: 21.578 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 84.82 Mbit/s
95th percentile per-packet one-way delay: 21.578 ms
Loss rate: 0.09%

Run 7: Report of Indigo — Data Link



Run 8: Statistics of Indigo

Start at: 2018-07-04 05:12:31

End at: 2018-07-04 05:13:01

Local clock offset: -1.514 ms

Remote clock offset: -0.64 ms

Below is generated by plot.py at 2018-07-04 06:24:46

Datalink statistics

-- Total of 1 flow:

Average throughput: 88.99 Mbit/s

95th percentile per-packet one-way delay: 16.690 ms

Loss rate: 0.09%

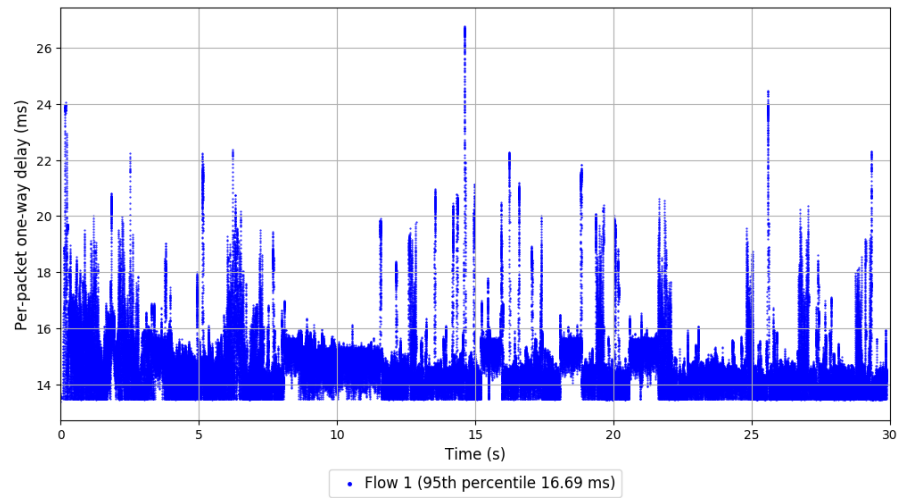
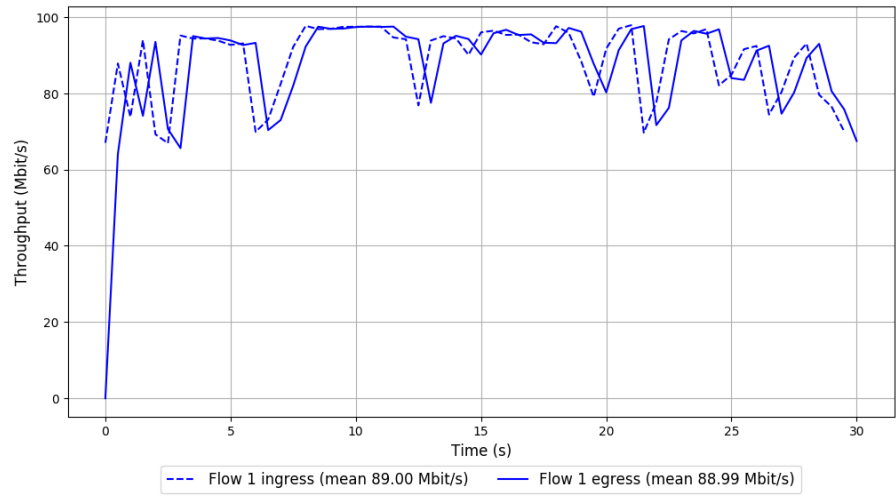
-- Flow 1:

Average throughput: 88.99 Mbit/s

95th percentile per-packet one-way delay: 16.690 ms

Loss rate: 0.09%

Run 8: Report of Indigo — Data Link

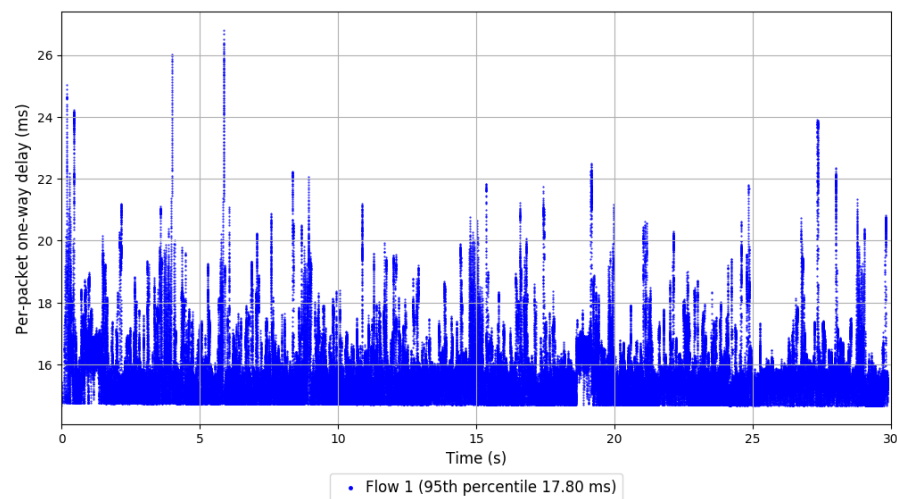
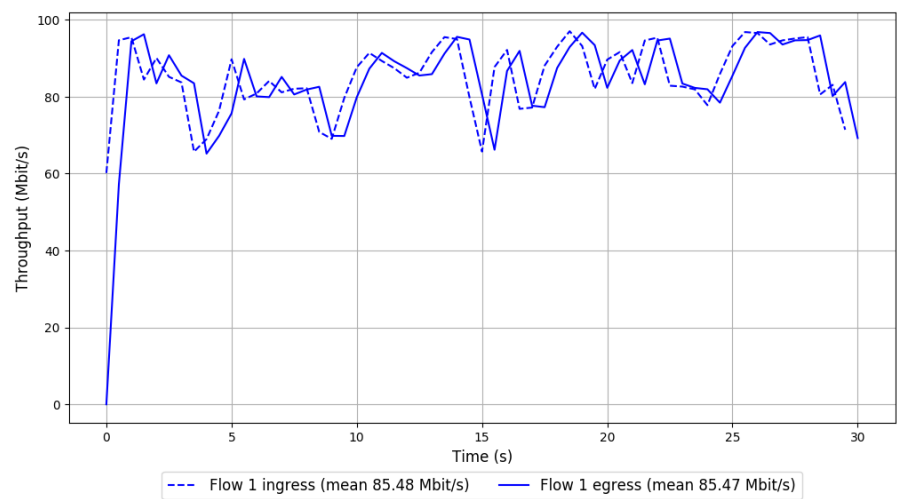


Run 9: Statistics of Indigo

Start at: 2018-07-04 05:32:36
End at: 2018-07-04 05:33:06
Local clock offset: -0.699 ms
Remote clock offset: -0.528 ms

Below is generated by plot.py at 2018-07-04 06:24:46
Datalink statistics
-- Total of 1 flow:
Average throughput: 85.47 Mbit/s
95th percentile per-packet one-way delay: 17.801 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 85.47 Mbit/s
95th percentile per-packet one-way delay: 17.801 ms
Loss rate: 0.09%

Run 9: Report of Indigo — Data Link



Run 10: Statistics of Indigo

Start at: 2018-07-04 05:53:06

End at: 2018-07-04 05:53:36

Local clock offset: 3.114 ms

Remote clock offset: -0.912 ms

Below is generated by plot.py at 2018-07-04 06:24:48

Datalink statistics

-- Total of 1 flow:

Average throughput: 80.77 Mbit/s

95th percentile per-packet one-way delay: 21.230 ms

Loss rate: 0.05%

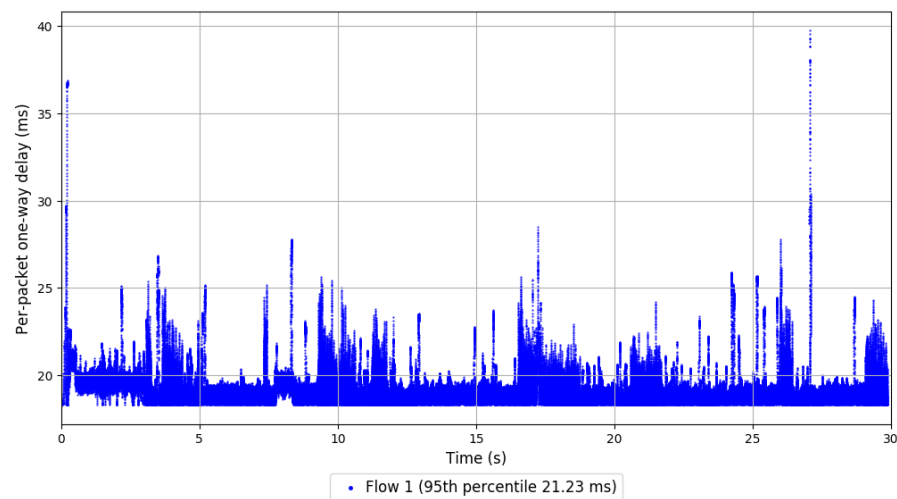
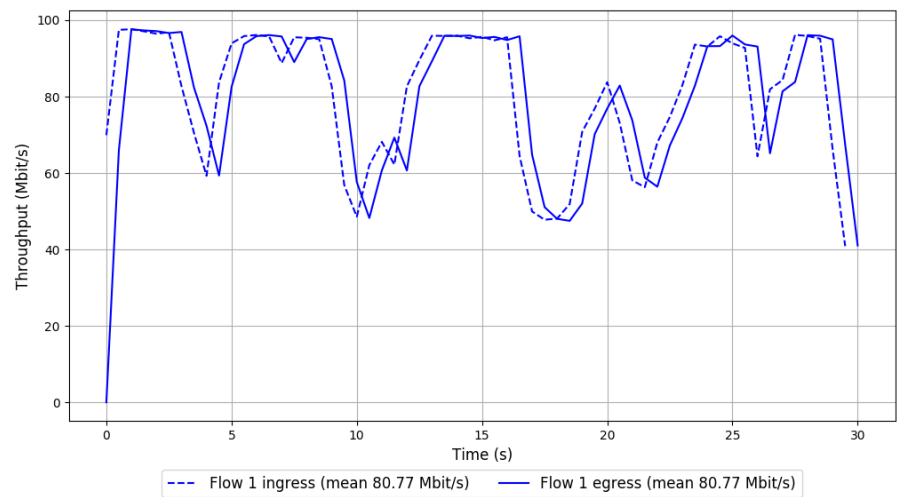
-- Flow 1:

Average throughput: 80.77 Mbit/s

95th percentile per-packet one-way delay: 21.230 ms

Loss rate: 0.05%

Run 10: Report of Indigo — Data Link

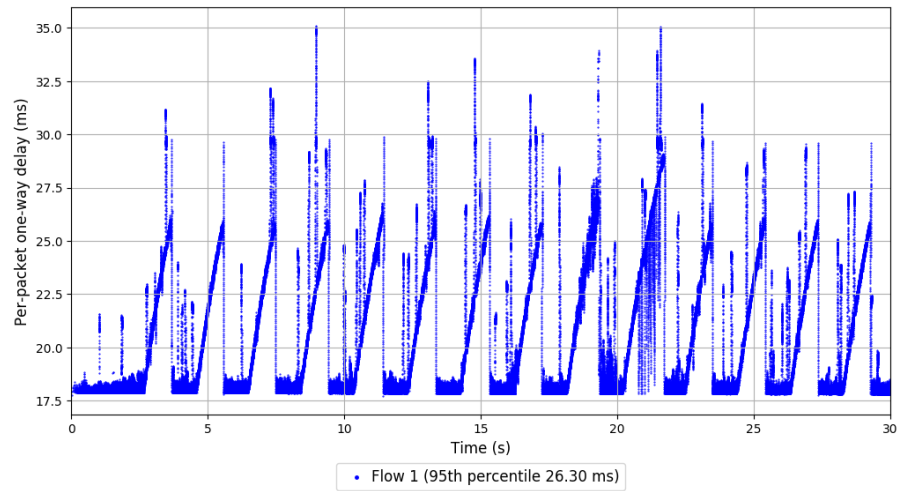
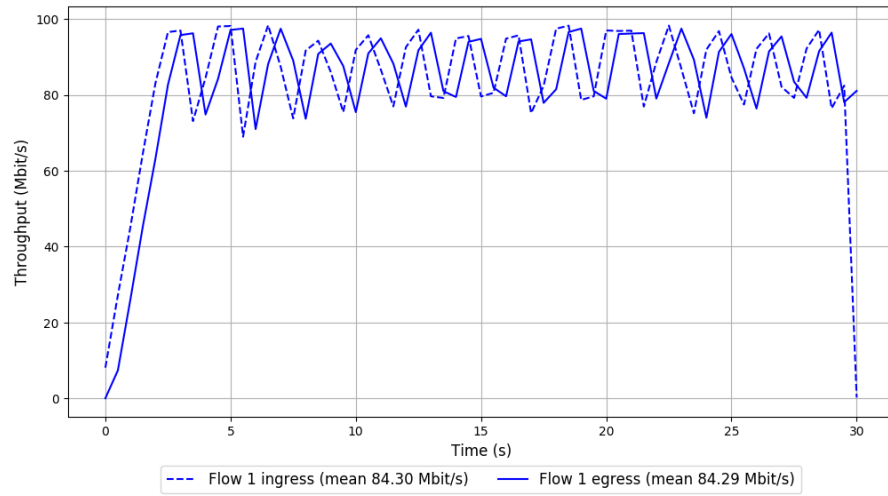


```
Run 1: Statistics of LEDBAT

Start at: 2018-07-04 02:55:50
End at: 2018-07-04 02:56:20
Local clock offset: 2.683 ms
Remote clock offset: -5.013 ms

# Below is generated by plot.py at 2018-07-04 06:24:53
# Datalink statistics
-- Total of 1 flow:
Average throughput: 84.29 Mbit/s
95th percentile per-packet one-way delay: 26.296 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 84.29 Mbit/s
95th percentile per-packet one-way delay: 26.296 ms
Loss rate: 0.10%
```


Run 1: Report of LEDBAT — Data Link

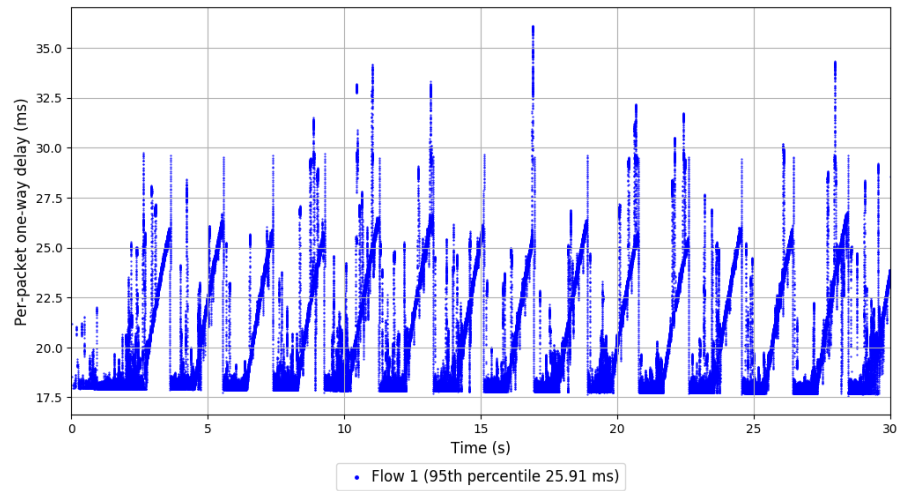
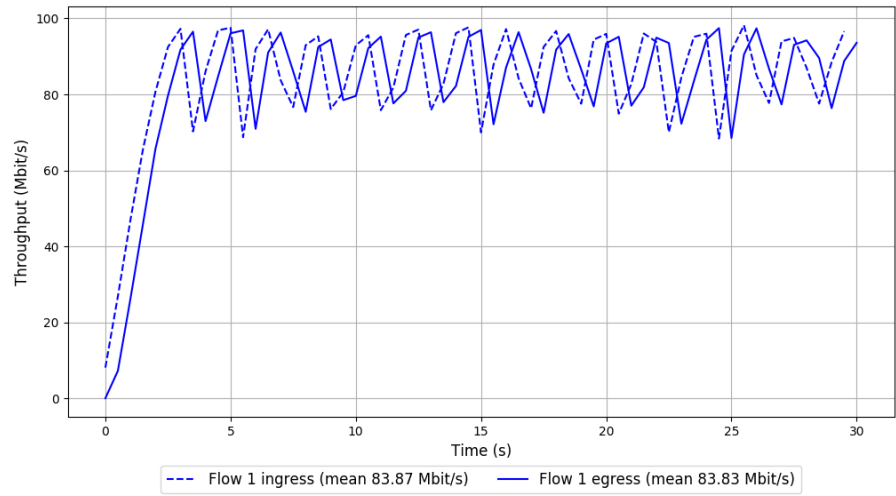


Run 2: Statistics of LEDBAT

Start at: 2018-07-04 03:16:14
End at: 2018-07-04 03:16:44
Local clock offset: 2.547 ms
Remote clock offset: -7.307 ms

Below is generated by plot.py at 2018-07-04 06:24:54
Datalink statistics
-- Total of 1 flow:
Average throughput: 83.83 Mbit/s
95th percentile per-packet one-way delay: 25.905 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 83.83 Mbit/s
95th percentile per-packet one-way delay: 25.905 ms
Loss rate: 0.13%

Run 2: Report of LEDBAT — Data Link

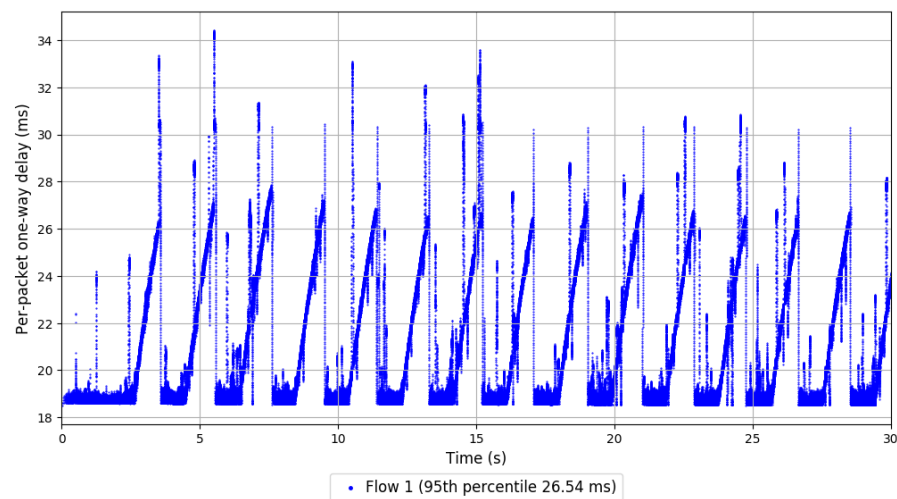
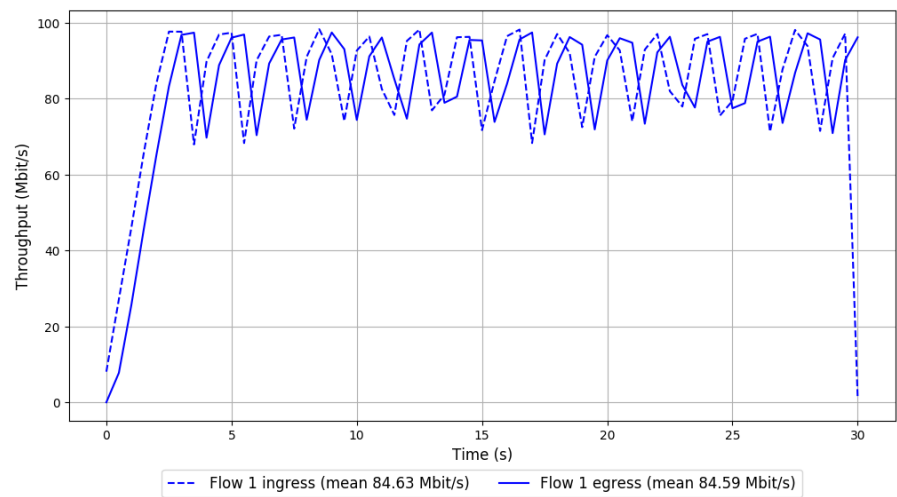


Run 3: Statistics of LEDBAT

Start at: 2018-07-04 03:36:27
End at: 2018-07-04 03:36:57
Local clock offset: 3.532 ms
Remote clock offset: -12.987 ms

Below is generated by plot.py at 2018-07-04 06:25:18
Datalink statistics
-- Total of 1 flow:
Average throughput: 84.59 Mbit/s
95th percentile per-packet one-way delay: 26.537 ms
Loss rate: 0.12%
-- Flow 1:
Average throughput: 84.59 Mbit/s
95th percentile per-packet one-way delay: 26.537 ms
Loss rate: 0.12%

Run 3: Report of LEDBAT — Data Link

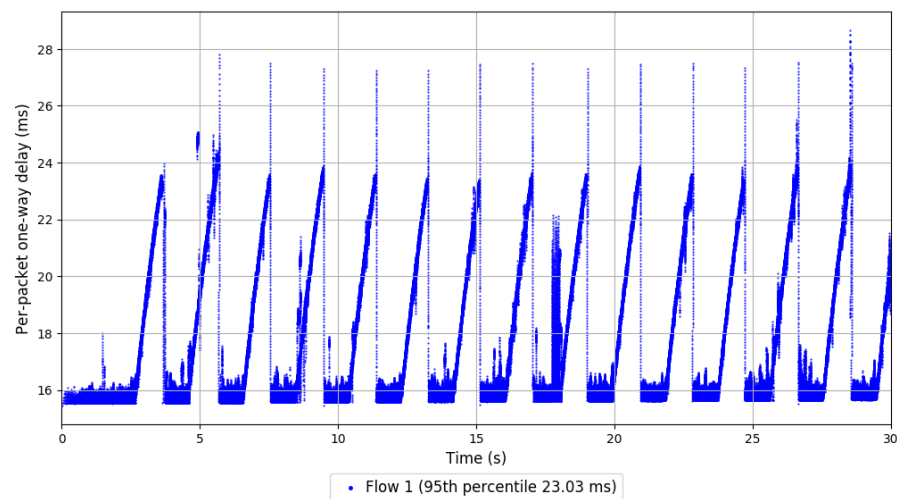
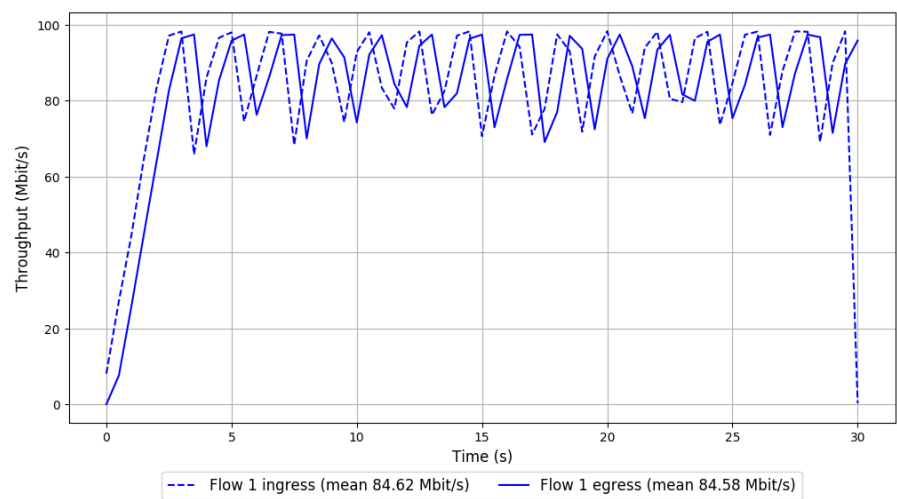


Run 4: Statistics of LEDBAT

Start at: 2018-07-04 03:56:39
End at: 2018-07-04 03:57:09
Local clock offset: 0.067 ms
Remote clock offset: -12.498 ms

Below is generated by plot.py at 2018-07-04 06:25:19
Datalink statistics
-- Total of 1 flow:
Average throughput: 84.58 Mbit/s
95th percentile per-packet one-way delay: 23.030 ms
Loss rate: 0.12%
-- Flow 1:
Average throughput: 84.58 Mbit/s
95th percentile per-packet one-way delay: 23.030 ms
Loss rate: 0.12%

Run 4: Report of LEDBAT — Data Link

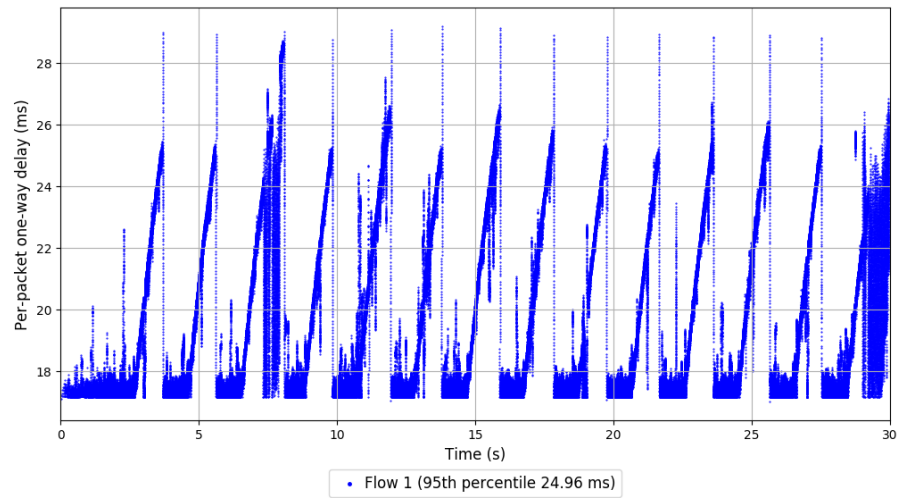
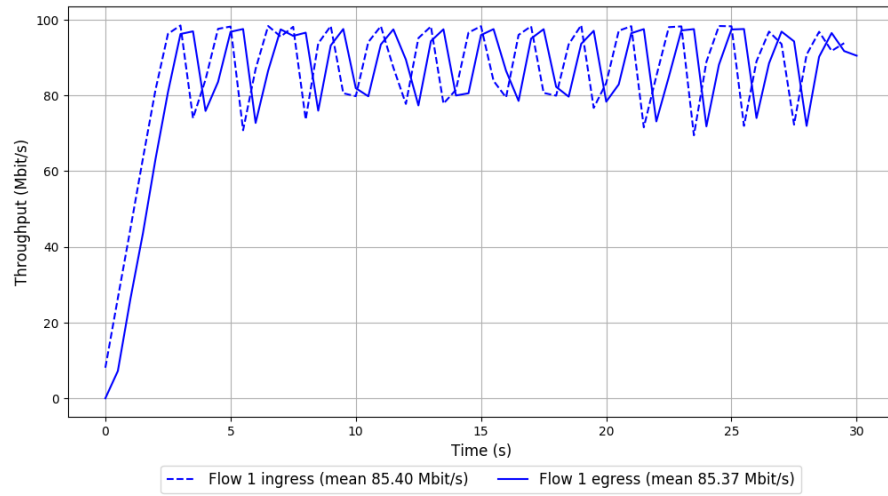


Run 5: Statistics of LEDBAT

Start at: 2018-07-04 04:16:42
End at: 2018-07-04 04:17:12
Local clock offset: 1.783 ms
Remote clock offset: -10.473 ms

Below is generated by plot.py at 2018-07-04 06:25:38
Datalink statistics
-- Total of 1 flow:
Average throughput: 85.37 Mbit/s
95th percentile per-packet one-way delay: 24.962 ms
Loss rate: 0.15%
-- Flow 1:
Average throughput: 85.37 Mbit/s
95th percentile per-packet one-way delay: 24.962 ms
Loss rate: 0.15%

Run 5: Report of LEDBAT — Data Link

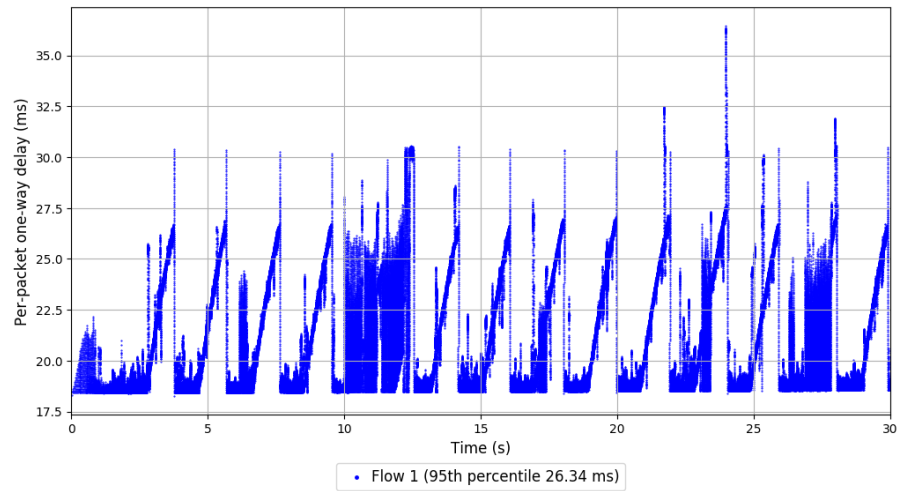
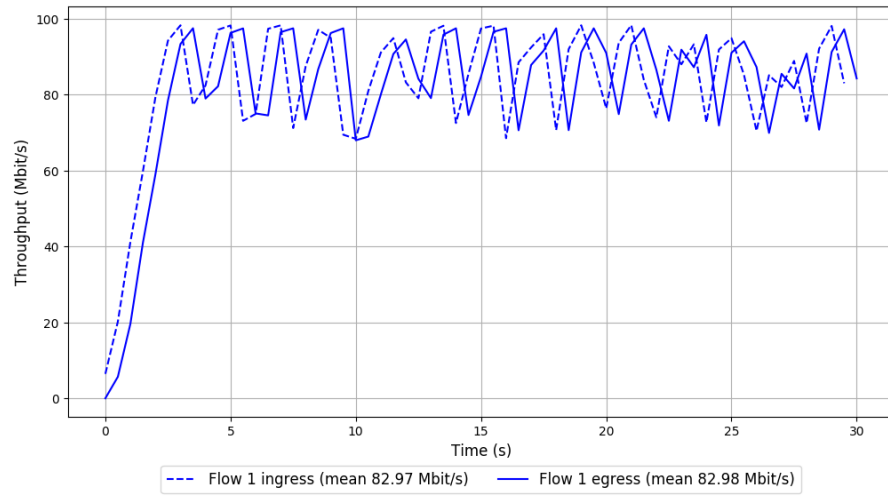


Run 6: Statistics of LEDBAT

Start at: 2018-07-04 04:36:57
End at: 2018-07-04 04:37:27
Local clock offset: 3.474 ms
Remote clock offset: -2.716 ms

Below is generated by plot.py at 2018-07-04 06:25:45
Datalink statistics
-- Total of 1 flow:
Average throughput: 82.98 Mbit/s
95th percentile per-packet one-way delay: 26.337 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 82.98 Mbit/s
95th percentile per-packet one-way delay: 26.337 ms
Loss rate: 0.08%

Run 6: Report of LEDBAT — Data Link



Run 7: Statistics of LEDBAT

Start at: 2018-07-04 04:57:00

End at: 2018-07-04 04:57:30

Local clock offset: 2.001 ms

Remote clock offset: 0.803 ms

Below is generated by plot.py at 2018-07-04 06:25:47

Datalink statistics

-- Total of 1 flow:

Average throughput: 83.81 Mbit/s

95th percentile per-packet one-way delay: 25.411 ms

Loss rate: 0.09%

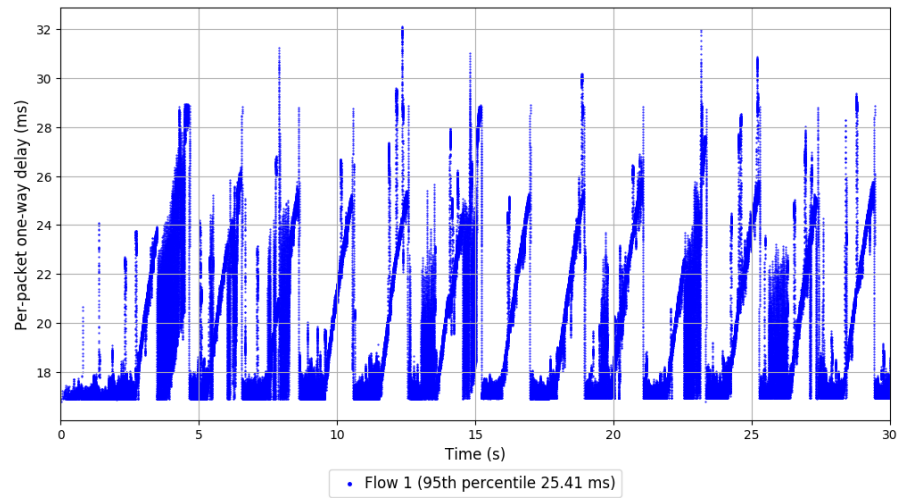
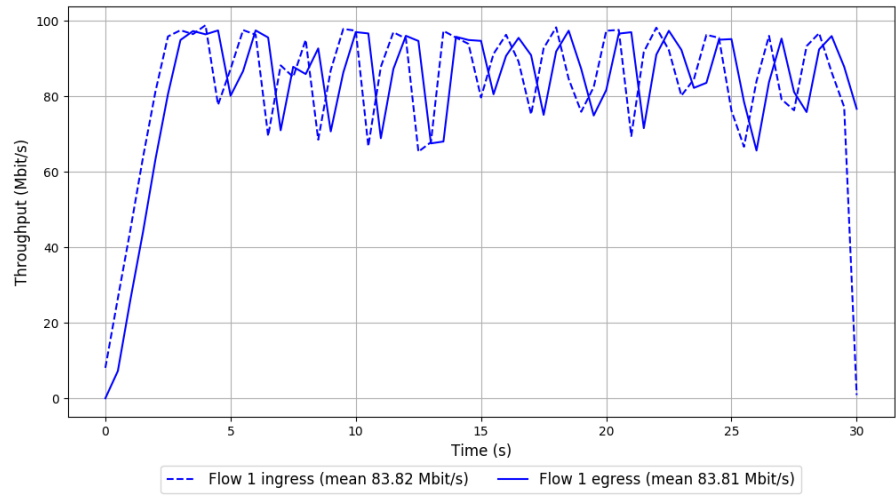
-- Flow 1:

Average throughput: 83.81 Mbit/s

95th percentile per-packet one-way delay: 25.411 ms

Loss rate: 0.09%

Run 7: Report of LEDBAT — Data Link

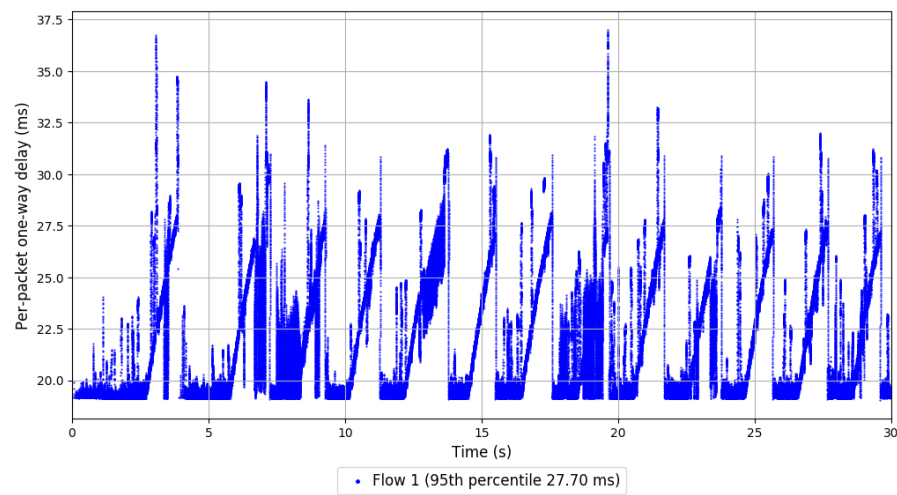
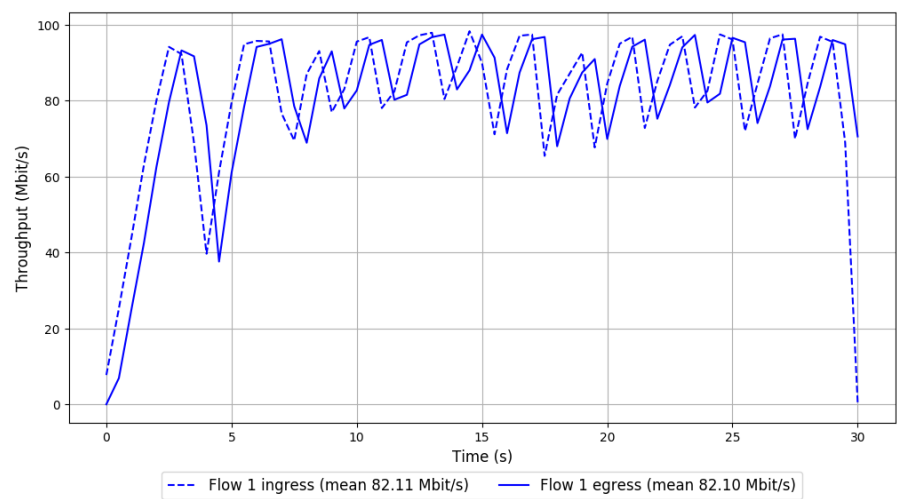


Run 8: Statistics of LEDBAT

Start at: 2018-07-04 05:17:01
End at: 2018-07-04 05:17:31
Local clock offset: 4.187 ms
Remote clock offset: -0.605 ms

Below is generated by plot.py at 2018-07-04 06:25:48
Datalink statistics
-- Total of 1 flow:
Average throughput: 82.10 Mbit/s
95th percentile per-packet one-way delay: 27.705 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 82.10 Mbit/s
95th percentile per-packet one-way delay: 27.705 ms
Loss rate: 0.09%

Run 8: Report of LEDBAT — Data Link



Run 9: Statistics of LEDBAT

Start at: 2018-07-04 05:37:25

End at: 2018-07-04 05:37:55

Local clock offset: 3.653 ms

Remote clock offset: 0.34 ms

Below is generated by plot.py at 2018-07-04 06:25:52

Datalink statistics

-- Total of 1 flow:

Average throughput: 81.67 Mbit/s

95th percentile per-packet one-way delay: 26.693 ms

Loss rate: 0.02%

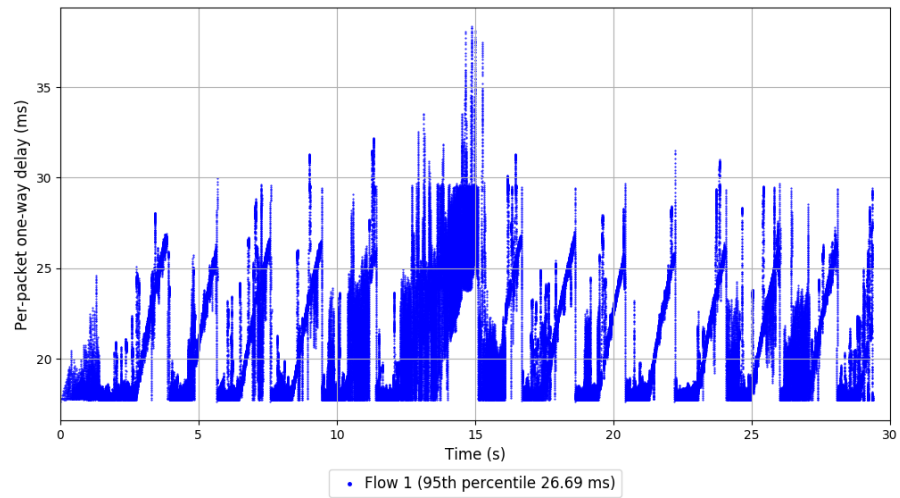
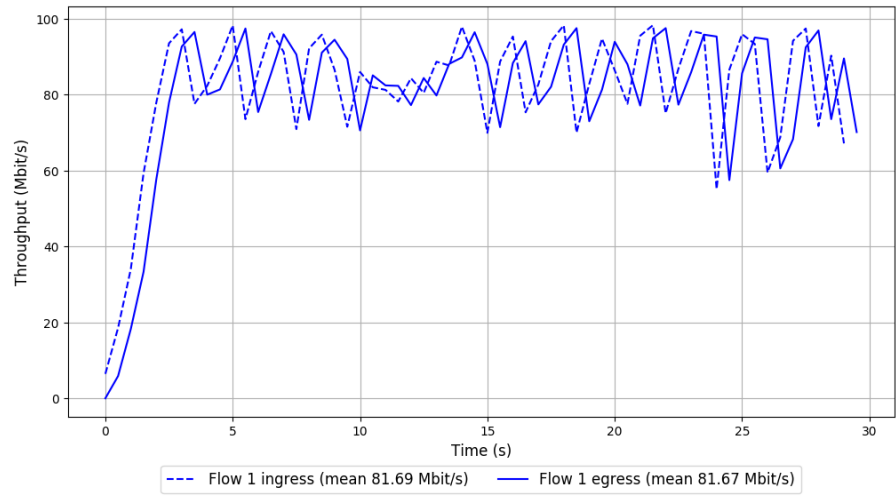
-- Flow 1:

Average throughput: 81.67 Mbit/s

95th percentile per-packet one-way delay: 26.693 ms

Loss rate: 0.02%

Run 9: Report of LEDBAT — Data Link

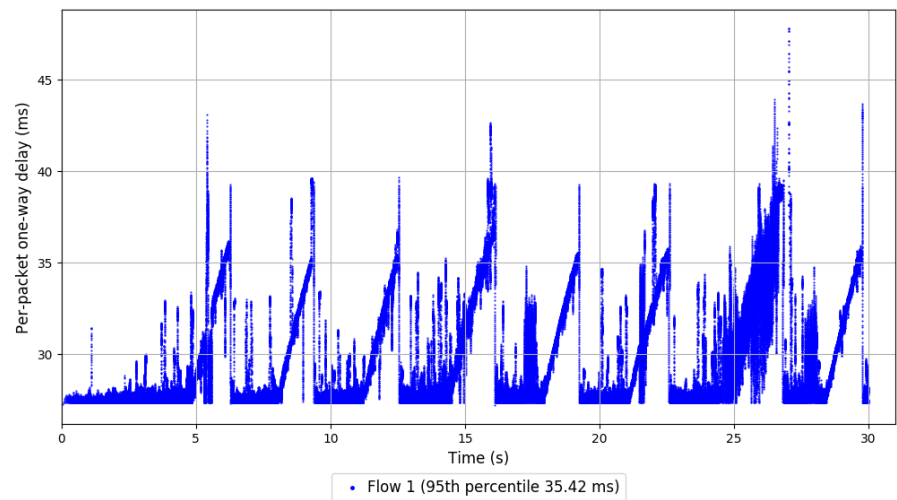
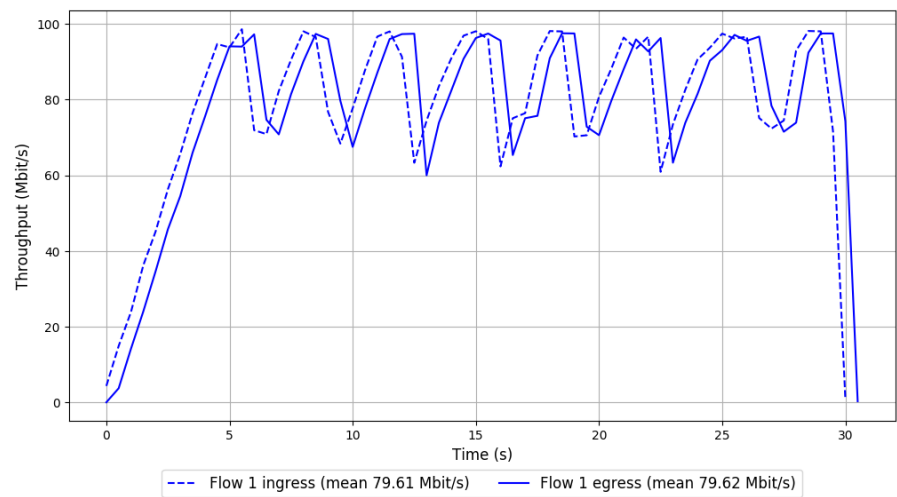


Run 10: Statistics of LEDBAT

Start at: 2018-07-04 05:57:47
End at: 2018-07-04 05:58:17
Local clock offset: 3.047 ms
Remote clock offset: -1.065 ms

Below is generated by plot.py at 2018-07-04 06:25:53
Datalink statistics
-- Total of 1 flow:
Average throughput: 79.62 Mbit/s
95th percentile per-packet one-way delay: 35.423 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 79.62 Mbit/s
95th percentile per-packet one-way delay: 35.423 ms
Loss rate: 0.10%

Run 10: Report of LEDBAT — Data Link



Run 1: Statistics of PCC-Allegro

Start at: 2018-07-04 02:59:26

End at: 2018-07-04 02:59:56

Local clock offset: -0.02 ms

Remote clock offset: -5.672 ms

Below is generated by plot.py at 2018-07-04 06:26:27

Datalink statistics

-- Total of 1 flow:

Average throughput: 90.69 Mbit/s

95th percentile per-packet one-way delay: 26.982 ms

Loss rate: 0.17%

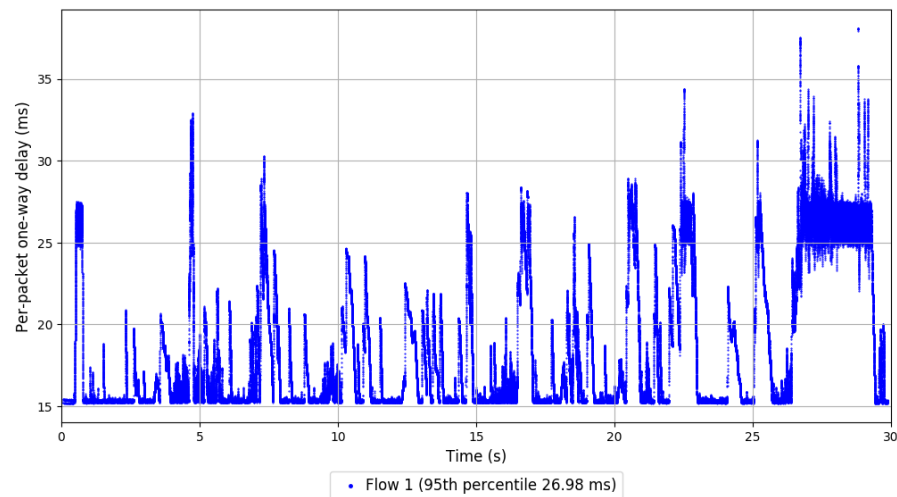
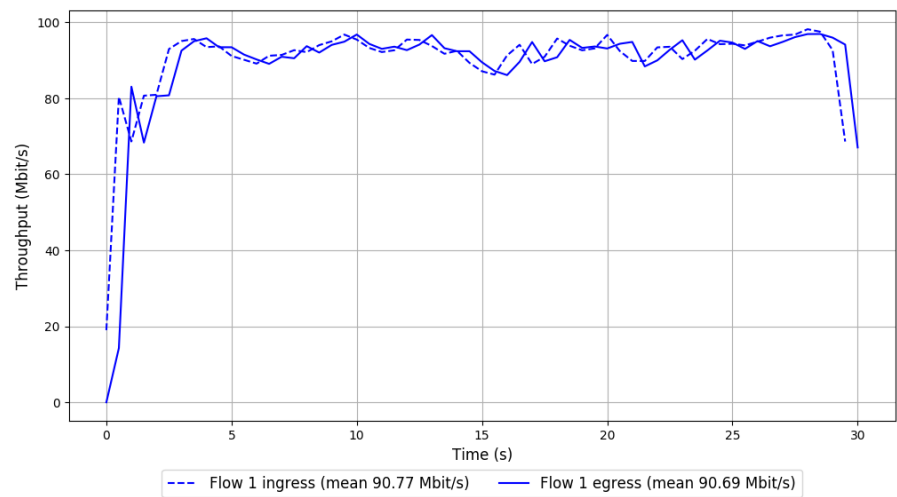
-- Flow 1:

Average throughput: 90.69 Mbit/s

95th percentile per-packet one-way delay: 26.982 ms

Loss rate: 0.17%

Run 1: Report of PCC-Allegro — Data Link



Run 2: Statistics of PCC-Allegro

Start at: 2018-07-04 03:19:51

End at: 2018-07-04 03:20:21

Local clock offset: 3.069 ms

Remote clock offset: -7.9 ms

Below is generated by plot.py at 2018-07-04 06:26:27

Datalink statistics

-- Total of 1 flow:

Average throughput: 87.82 Mbit/s

95th percentile per-packet one-way delay: 28.248 ms

Loss rate: 0.20%

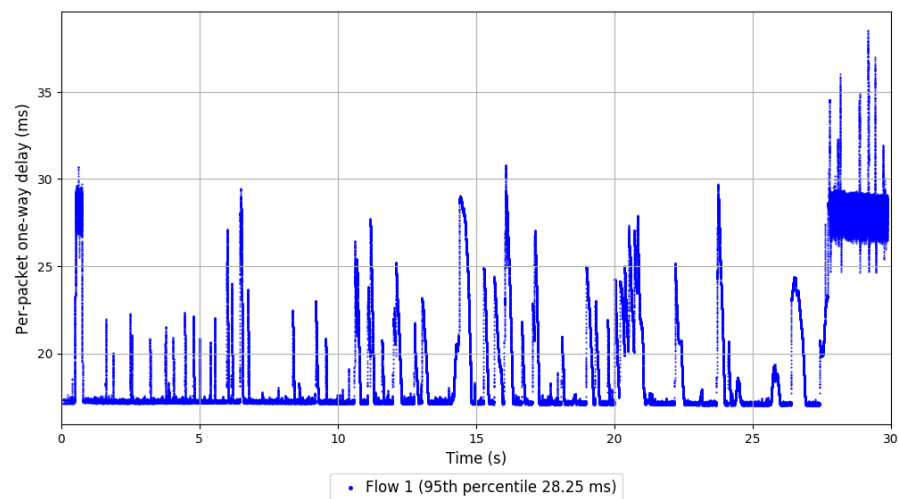
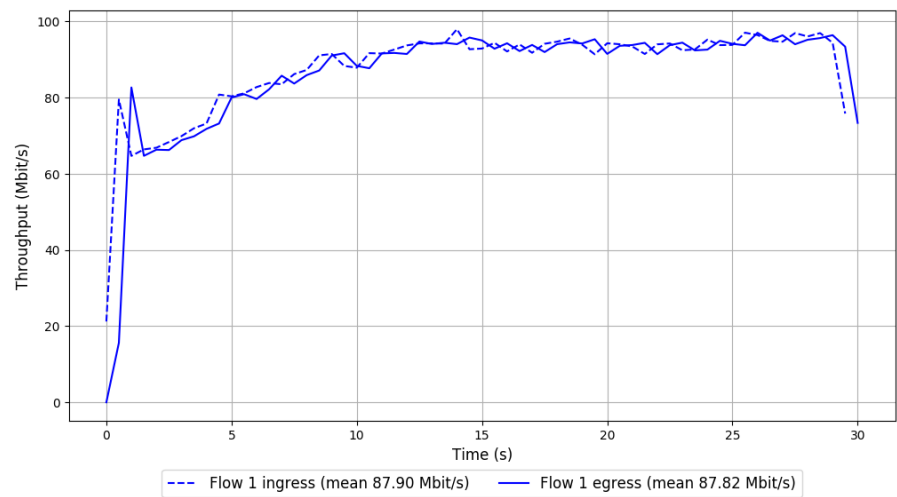
-- Flow 1:

Average throughput: 87.82 Mbit/s

95th percentile per-packet one-way delay: 28.248 ms

Loss rate: 0.20%

Run 2: Report of PCC-Allegro — Data Link



Run 3: Statistics of PCC-Allegro

Start at: 2018-07-04 03:40:01

End at: 2018-07-04 03:40:31

Local clock offset: 1.328 ms

Remote clock offset: -12.466 ms

Below is generated by plot.py at 2018-07-04 06:26:48

Datalink statistics

-- Total of 1 flow:

Average throughput: 91.24 Mbit/s

95th percentile per-packet one-way delay: 25.538 ms

Loss rate: 0.14%

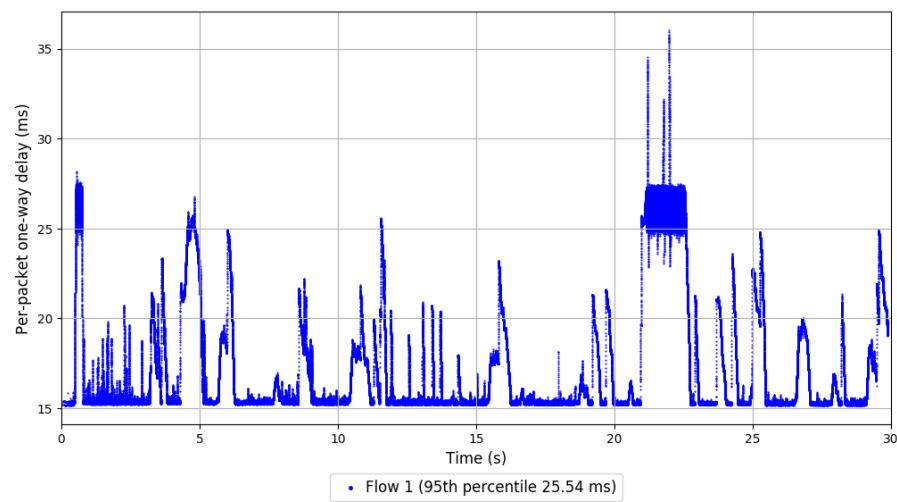
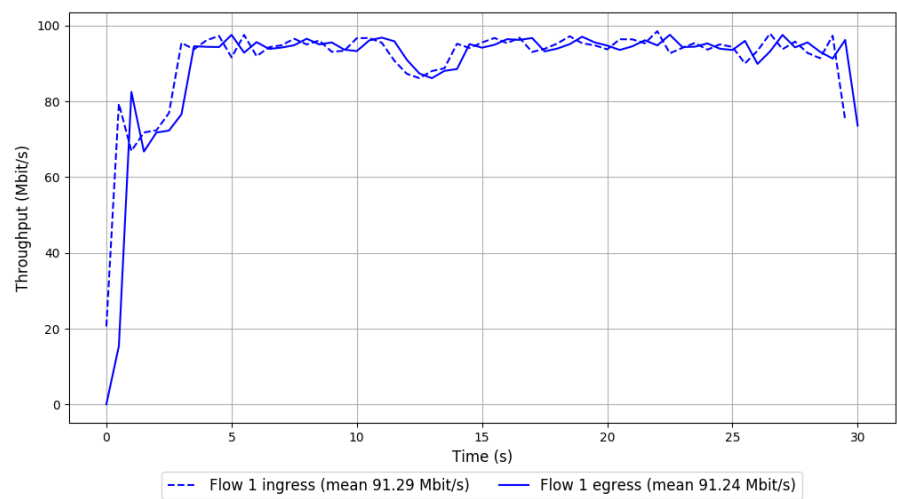
-- Flow 1:

Average throughput: 91.24 Mbit/s

95th percentile per-packet one-way delay: 25.538 ms

Loss rate: 0.14%

Run 3: Report of PCC-Allegro — Data Link



Run 4: Statistics of PCC-Allegro

Start at: 2018-07-04 04:00:08

End at: 2018-07-04 04:00:38

Local clock offset: 0.09 ms

Remote clock offset: -11.277 ms

Below is generated by plot.py at 2018-07-04 06:26:53

Datalink statistics

-- Total of 1 flow:

Average throughput: 91.88 Mbit/s

95th percentile per-packet one-way delay: 21.700 ms

Loss rate: 0.10%

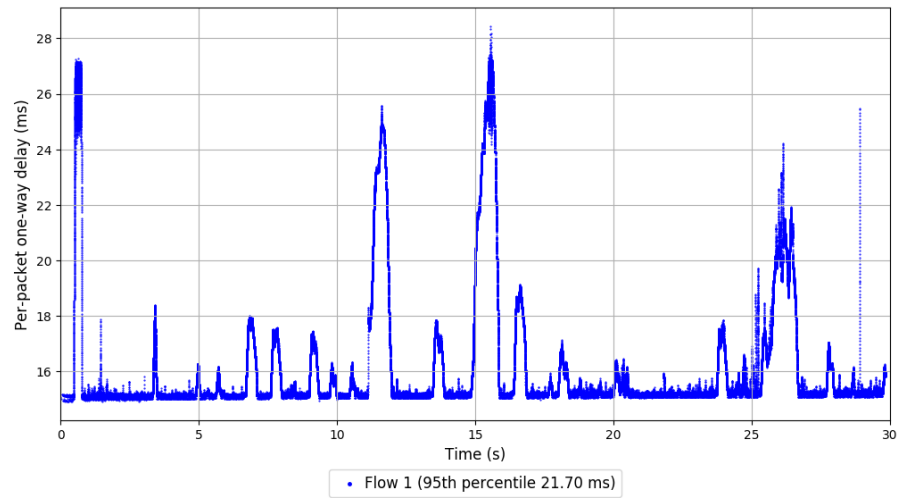
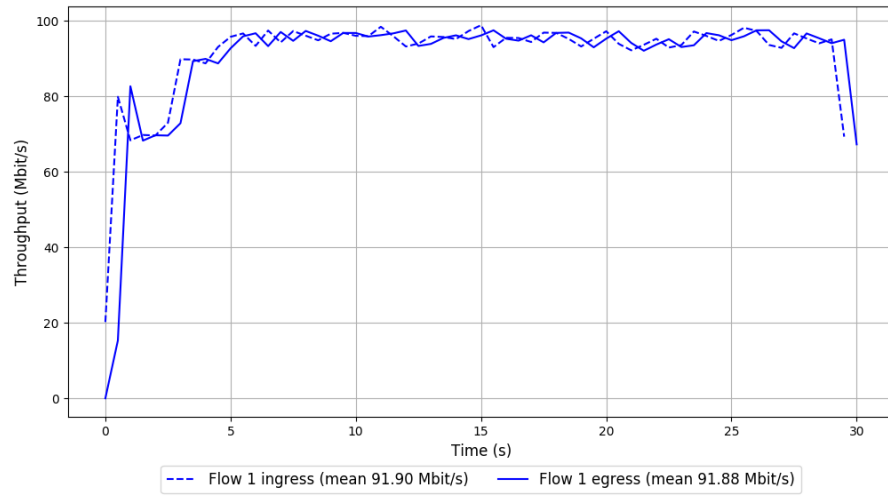
-- Flow 1:

Average throughput: 91.88 Mbit/s

95th percentile per-packet one-way delay: 21.700 ms

Loss rate: 0.10%

Run 4: Report of PCC-Allegro — Data Link



Run 5: Statistics of PCC-Allegro

Start at: 2018-07-04 04:20:21

End at: 2018-07-04 04:20:51

Local clock offset: 0.245 ms

Remote clock offset: -10.778 ms

Below is generated by plot.py at 2018-07-04 06:26:53

Datalink statistics

-- Total of 1 flow:

Average throughput: 40.11 Mbit/s

95th percentile per-packet one-way delay: 16.060 ms

Loss rate: 0.18%

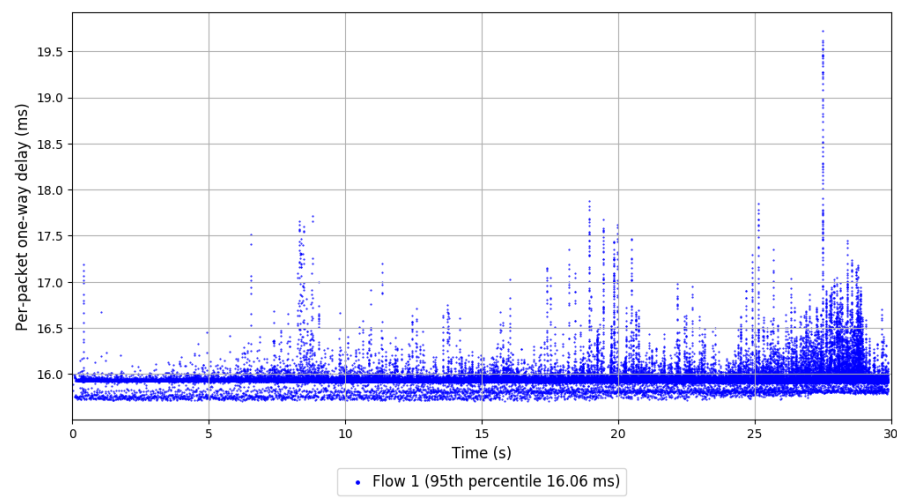
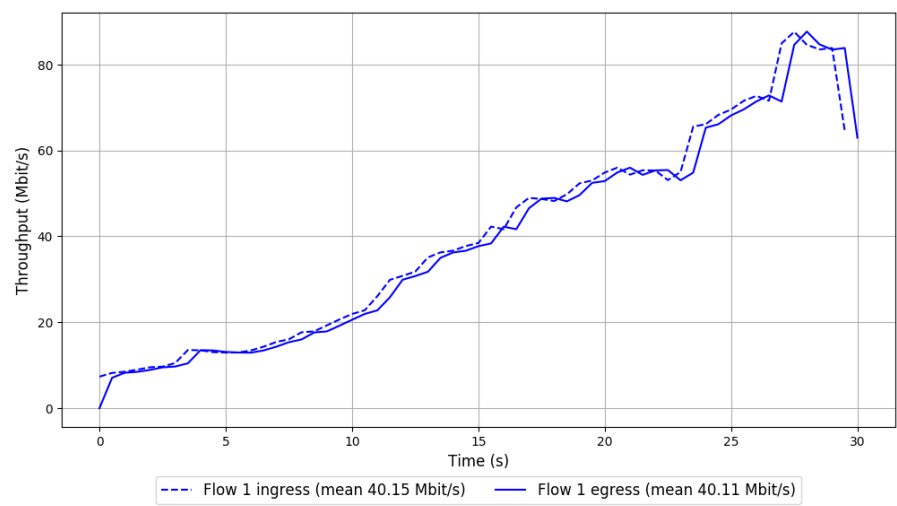
-- Flow 1:

Average throughput: 40.11 Mbit/s

95th percentile per-packet one-way delay: 16.060 ms

Loss rate: 0.18%

Run 5: Report of PCC-Allegro — Data Link



Run 6: Statistics of PCC-Allegro

Start at: 2018-07-04 04:40:29

End at: 2018-07-04 04:40:59

Local clock offset: 0.717 ms

Remote clock offset: -2.352 ms

Below is generated by plot.py at 2018-07-04 06:26:53

Datalink statistics

-- Total of 1 flow:

Average throughput: 84.01 Mbit/s

95th percentile per-packet one-way delay: 27.338 ms

Loss rate: 0.12%

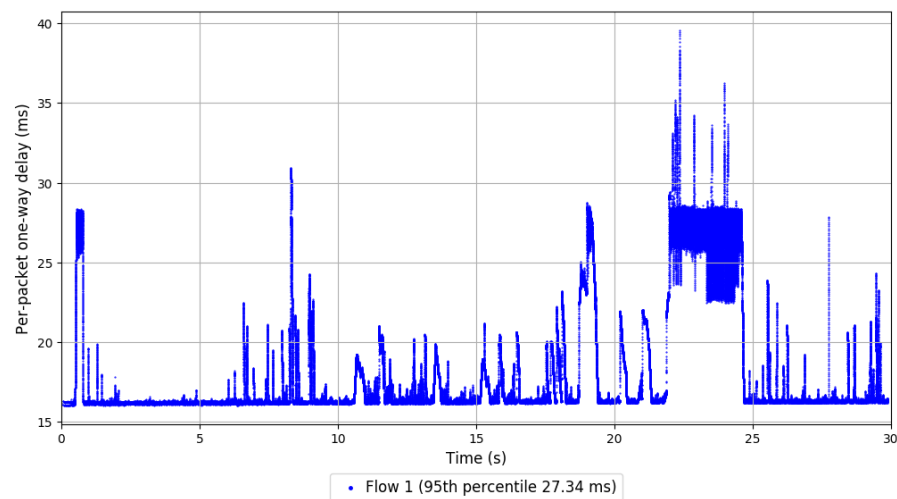
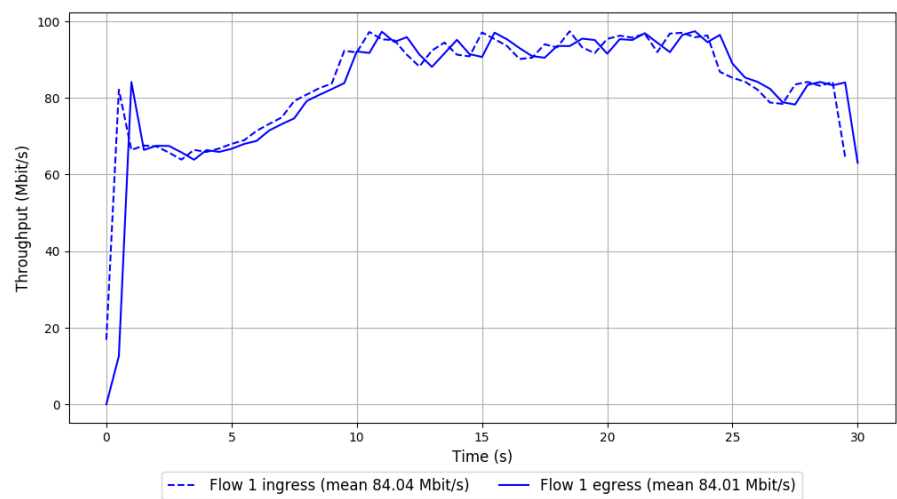
-- Flow 1:

Average throughput: 84.01 Mbit/s

95th percentile per-packet one-way delay: 27.338 ms

Loss rate: 0.12%

Run 6: Report of PCC-Allegro — Data Link



Run 7: Statistics of PCC-Allegro

Start at: 2018-07-04 05:00:32

End at: 2018-07-04 05:01:02

Local clock offset: 2.559 ms

Remote clock offset: 0.033 ms

Below is generated by plot.py at 2018-07-04 06:26:56

Datalink statistics

-- Total of 1 flow:

Average throughput: 85.01 Mbit/s

95th percentile per-packet one-way delay: 21.978 ms

Loss rate: 0.10%

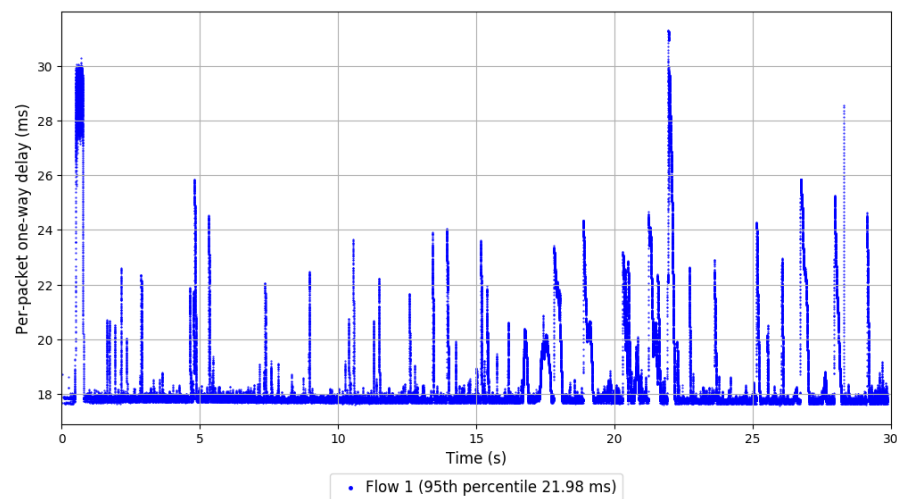
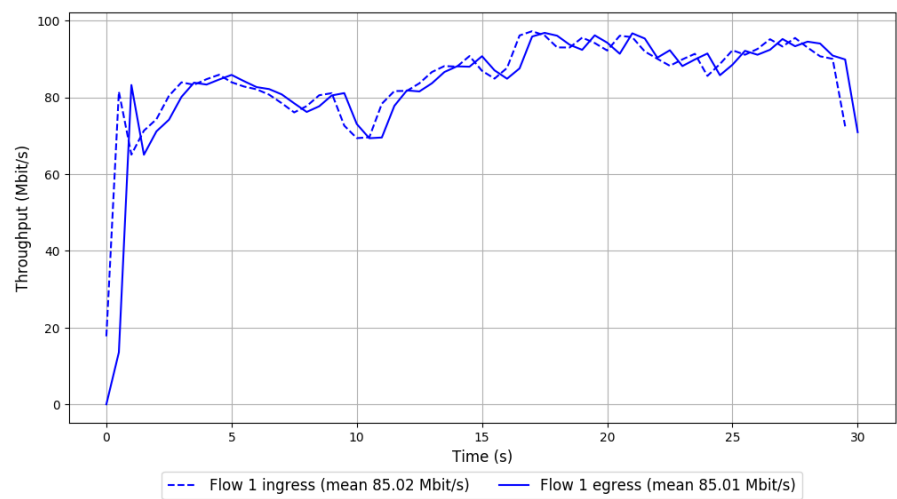
-- Flow 1:

Average throughput: 85.01 Mbit/s

95th percentile per-packet one-way delay: 21.978 ms

Loss rate: 0.10%

Run 7: Report of PCC-Allegro — Data Link



Run 8: Statistics of PCC-Allegro

Start at: 2018-07-04 05:20:40

End at: 2018-07-04 05:21:10

Local clock offset: -2.607 ms

Remote clock offset: -0.48 ms

Below is generated by plot.py at 2018-07-04 06:27:00

Datalink statistics

-- Total of 1 flow:

Average throughput: 89.82 Mbit/s

95th percentile per-packet one-way delay: 23.627 ms

Loss rate: 0.14%

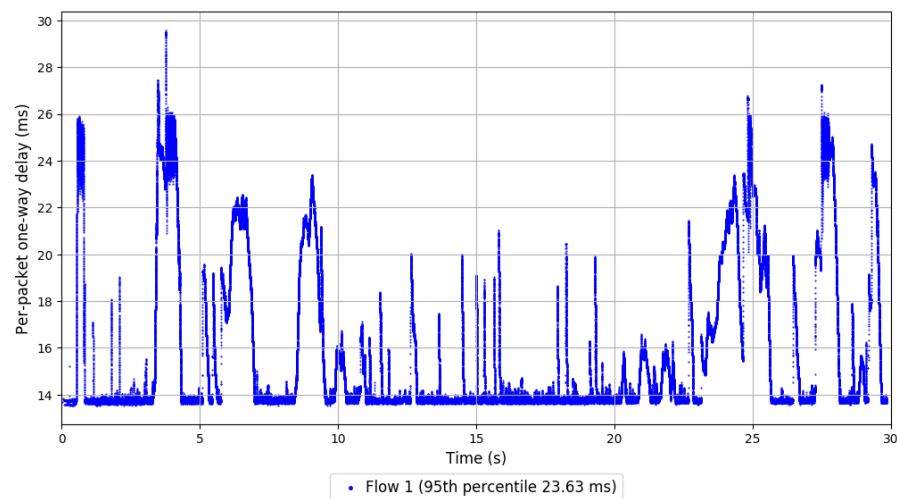
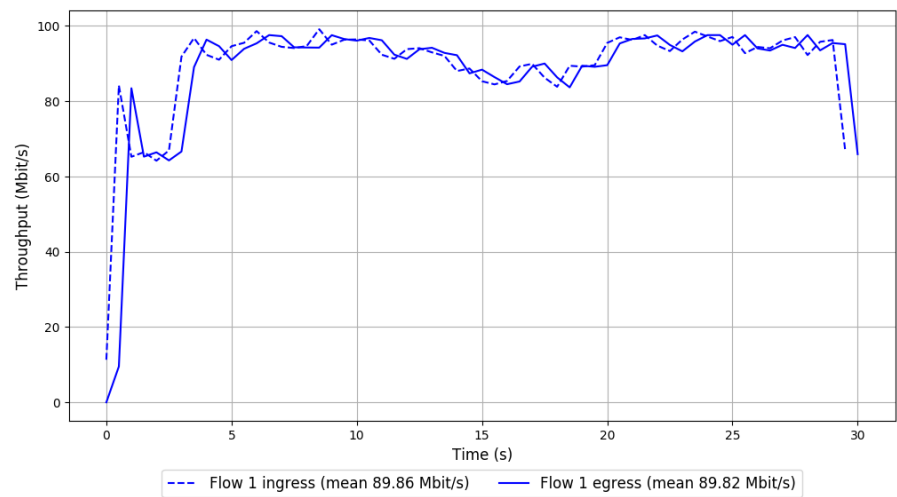
-- Flow 1:

Average throughput: 89.82 Mbit/s

95th percentile per-packet one-way delay: 23.627 ms

Loss rate: 0.14%

Run 8: Report of PCC-Allegro — Data Link



Run 9: Statistics of PCC-Allegro

Start at: 2018-07-04 05:41:00

End at: 2018-07-04 05:41:30

Local clock offset: -2.767 ms

Remote clock offset: 0.16 ms

Below is generated by plot.py at 2018-07-04 06:27:00

Datalink statistics

-- Total of 1 flow:

Average throughput: 10.54 Mbit/s

95th percentile per-packet one-way delay: 11.403 ms

Loss rate: 0.22%

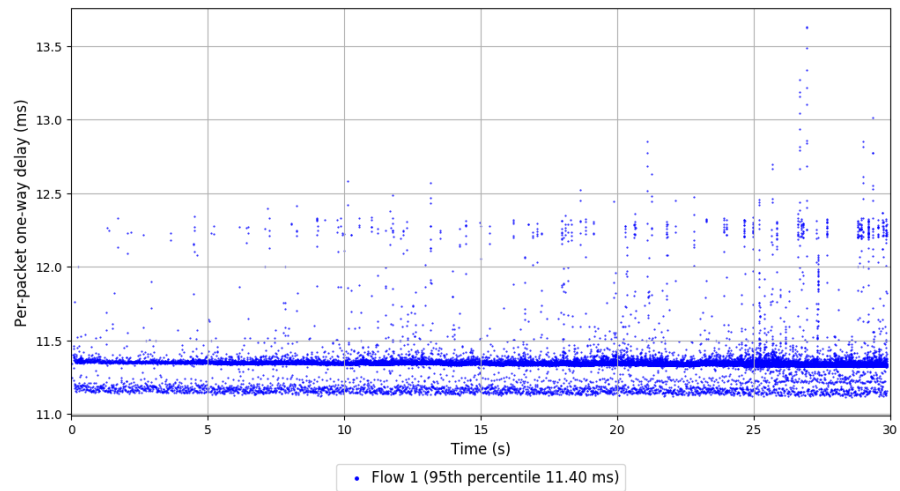
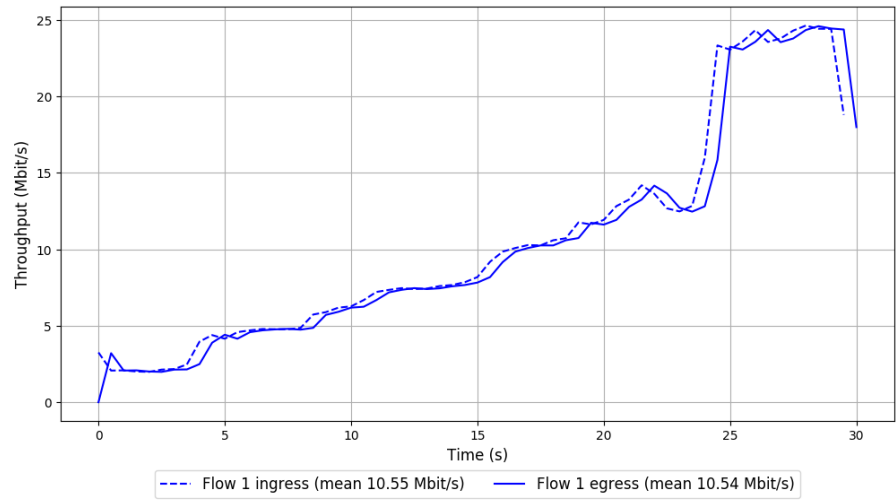
-- Flow 1:

Average throughput: 10.54 Mbit/s

95th percentile per-packet one-way delay: 11.403 ms

Loss rate: 0.22%

Run 9: Report of PCC-Allegro — Data Link



Run 10: Statistics of PCC-Allegro

Start at: 2018-07-04 06:01:17

End at: 2018-07-04 06:01:47

Local clock offset: 1.914 ms

Remote clock offset: -0.928 ms

Below is generated by plot.py at 2018-07-04 06:27:00

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.00 Mbit/s

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

Loss rate: 0.00%

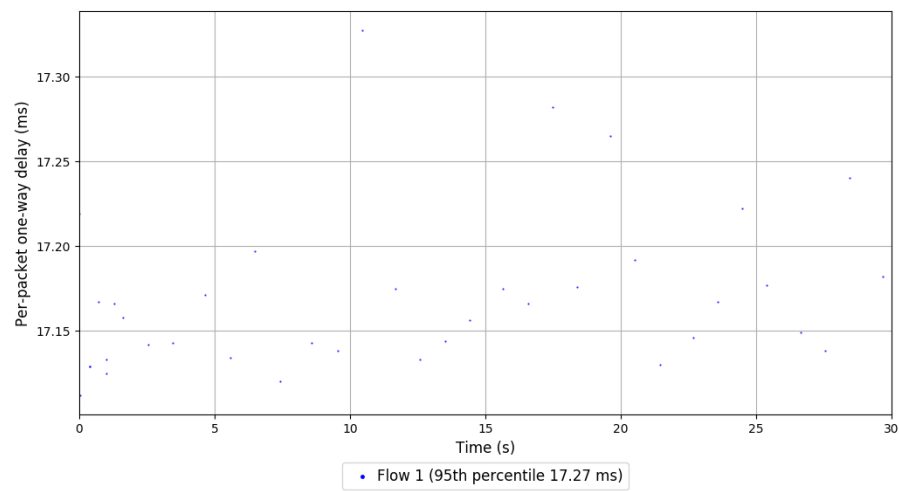
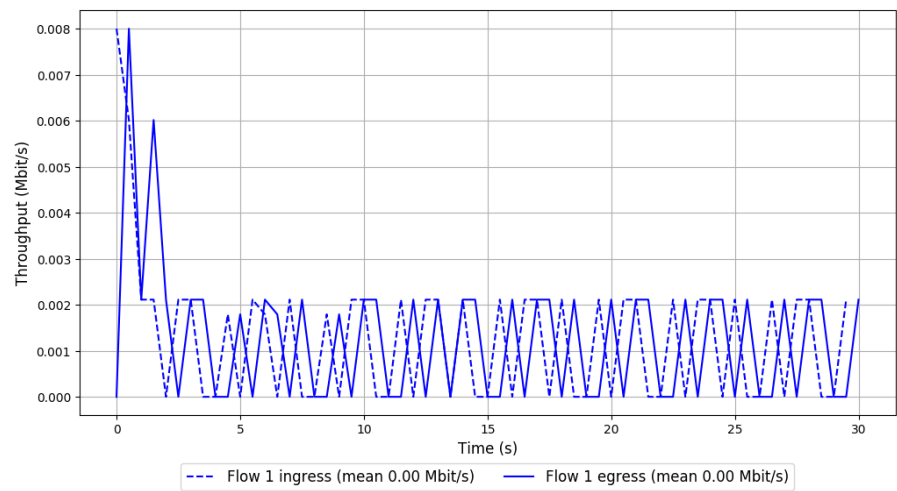
-- Flow 1:

Average throughput: 0.00 Mbit/s

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

Loss rate: 0.00%

Run 10: Report of PCC-Allegro — Data Link



Run 1: Statistics of PCC-Expr

Start at: 2018-07-04 03:02:53
End at: 2018-07-04 03:03:24
Local clock offset: 2.895 ms
Remote clock offset: -4.824 ms

Below is generated by plot.py at 2018-07-04 06:28:23

Datalink statistics

-- Total of 1 flow:

Average throughput: 84.33 Mbit/s

95th percentile per-packet one-way delay: 27.086 ms

Loss rate: 0.21%

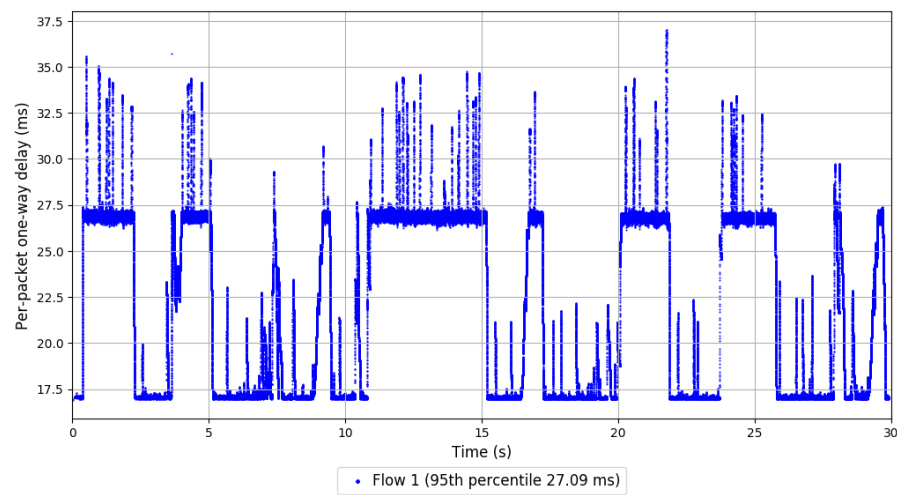
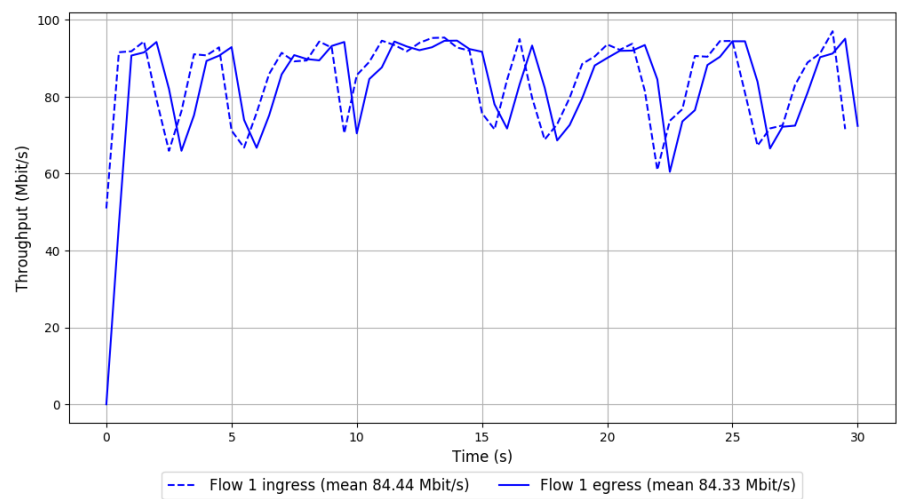
-- Flow 1:

Average throughput: 84.33 Mbit/s

95th percentile per-packet one-way delay: 27.086 ms

Loss rate: 0.21%

Run 1: Report of PCC-Expr — Data Link



Run 2: Statistics of PCC-Expr

Start at: 2018-07-04 03:23:18

End at: 2018-07-04 03:23:48

Local clock offset: 2.434 ms

Remote clock offset: -9.598 ms

Below is generated by plot.py at 2018-07-04 06:28:23

Datalink statistics

-- Total of 1 flow:

Average throughput: 79.73 Mbit/s

95th percentile per-packet one-way delay: 26.928 ms

Loss rate: 0.11%

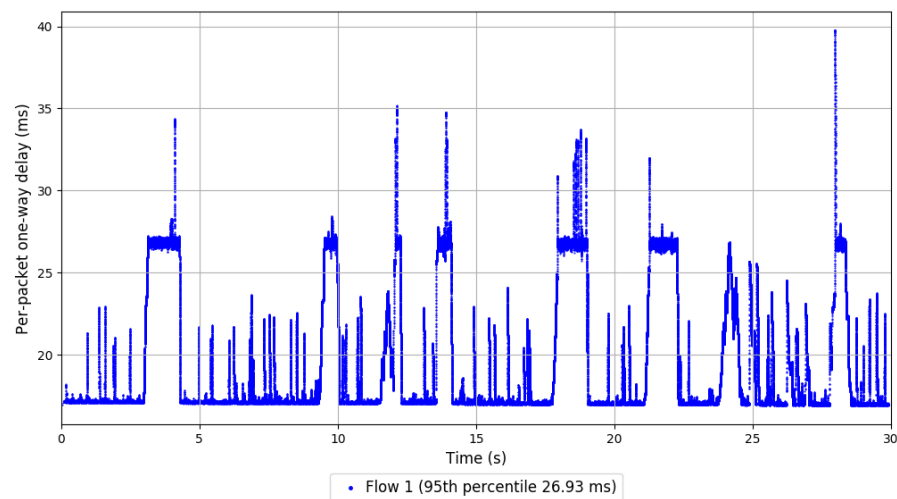
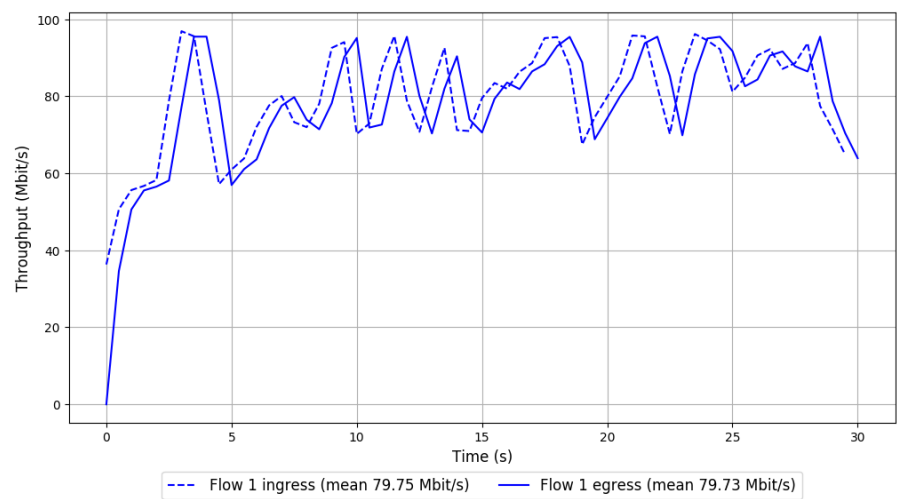
-- Flow 1:

Average throughput: 79.73 Mbit/s

95th percentile per-packet one-way delay: 26.928 ms

Loss rate: 0.11%

Run 2: Report of PCC-Expr — Data Link

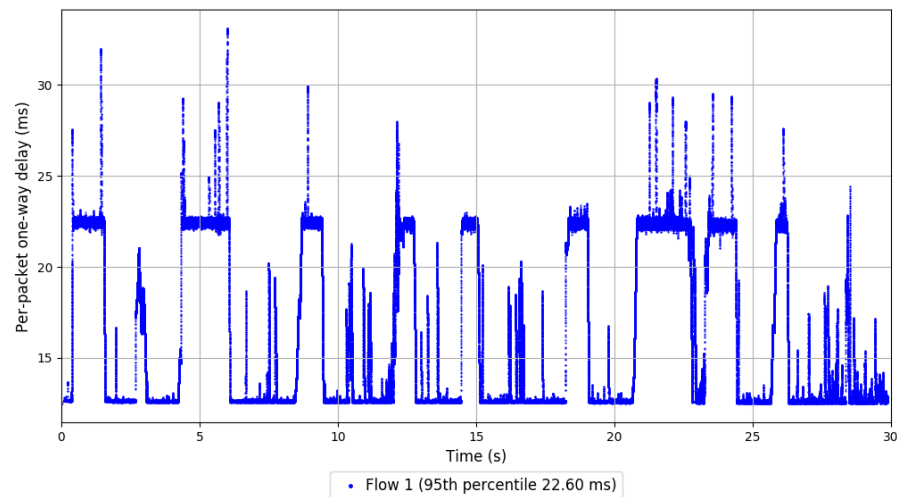
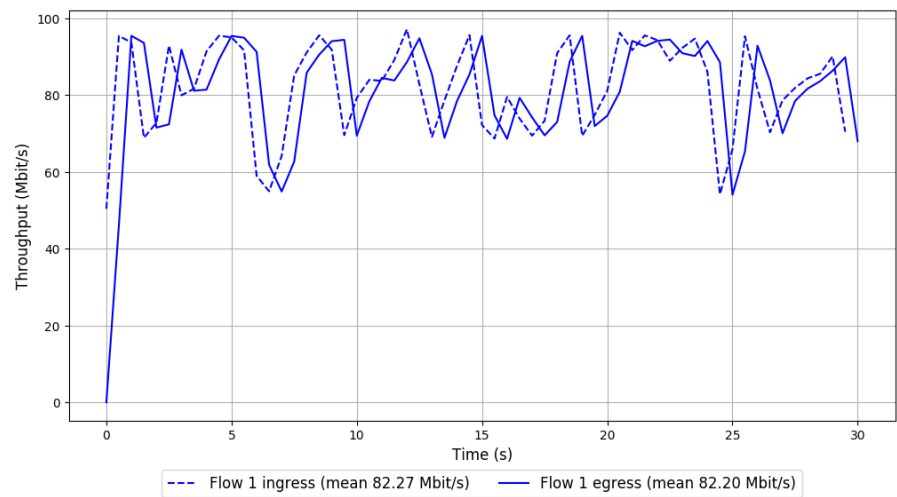


Run 3: Statistics of PCC-Expr

Start at: 2018-07-04 03:43:26
End at: 2018-07-04 03:43:56
Local clock offset: -2.48 ms
Remote clock offset: -14.044 ms

Below is generated by plot.py at 2018-07-04 06:28:23
Datalink statistics
-- Total of 1 flow:
Average throughput: 82.20 Mbit/s
95th percentile per-packet one-way delay: 22.601 ms
Loss rate: 0.18%
-- Flow 1:
Average throughput: 82.20 Mbit/s
95th percentile per-packet one-way delay: 22.601 ms
Loss rate: 0.18%

Run 3: Report of PCC-Expr — Data Link

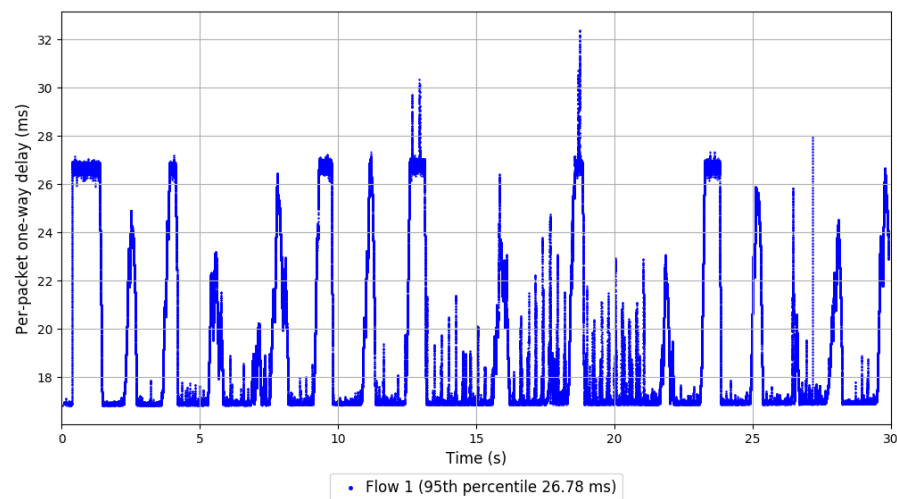
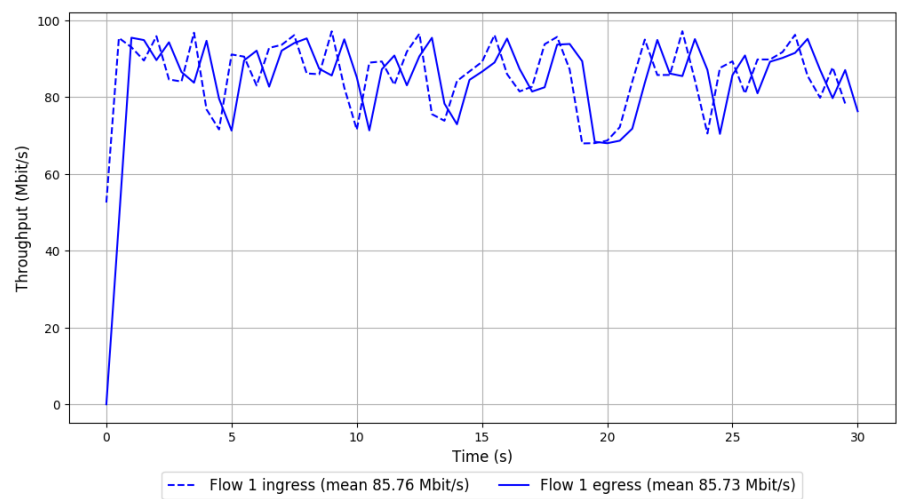


Run 4: Statistics of PCC-Expr

Start at: 2018-07-04 04:03:35
End at: 2018-07-04 04:04:05
Local clock offset: 2.785 ms
Remote clock offset: -9.838 ms

Below is generated by plot.py at 2018-07-04 06:28:36
Datalink statistics
-- Total of 1 flow:
Average throughput: 85.73 Mbit/s
95th percentile per-packet one-way delay: 26.784 ms
Loss rate: 0.11%
-- Flow 1:
Average throughput: 85.73 Mbit/s
95th percentile per-packet one-way delay: 26.784 ms
Loss rate: 0.11%

Run 4: Report of PCC-Expr — Data Link

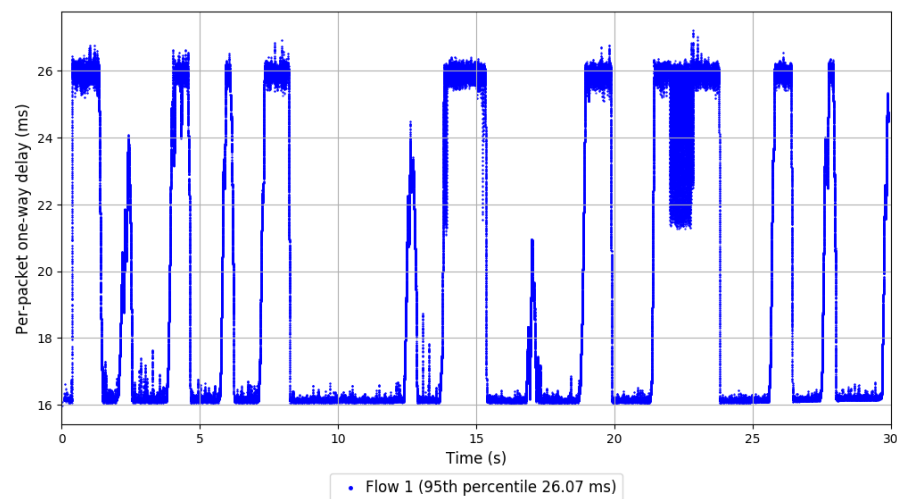
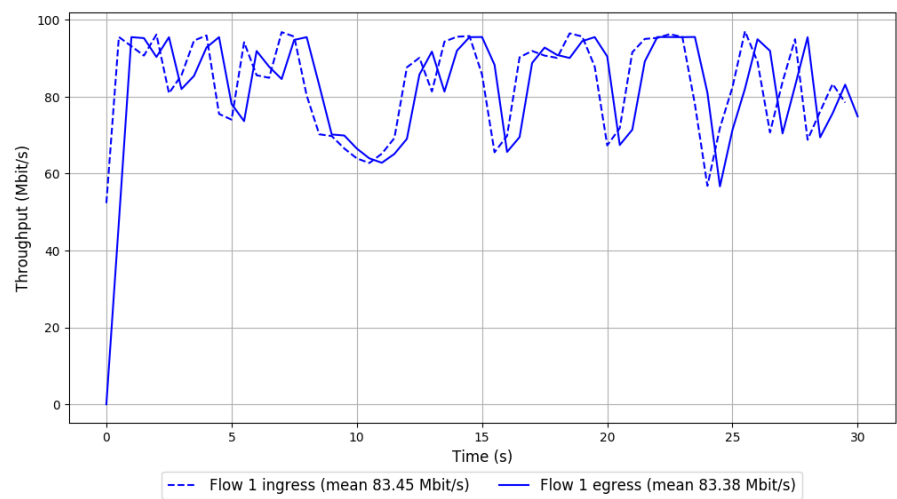


Run 5: Statistics of PCC-Expr

Start at: 2018-07-04 04:23:43
End at: 2018-07-04 04:24:13
Local clock offset: 0.634 ms
Remote clock offset: -10.614 ms

Below is generated by plot.py at 2018-07-04 06:28:39
Datalink statistics
-- Total of 1 flow:
Average throughput: 83.38 Mbit/s
95th percentile per-packet one-way delay: 26.073 ms
Loss rate: 0.16%
-- Flow 1:
Average throughput: 83.38 Mbit/s
95th percentile per-packet one-way delay: 26.073 ms
Loss rate: 0.16%

Run 5: Report of PCC-Expr — Data Link

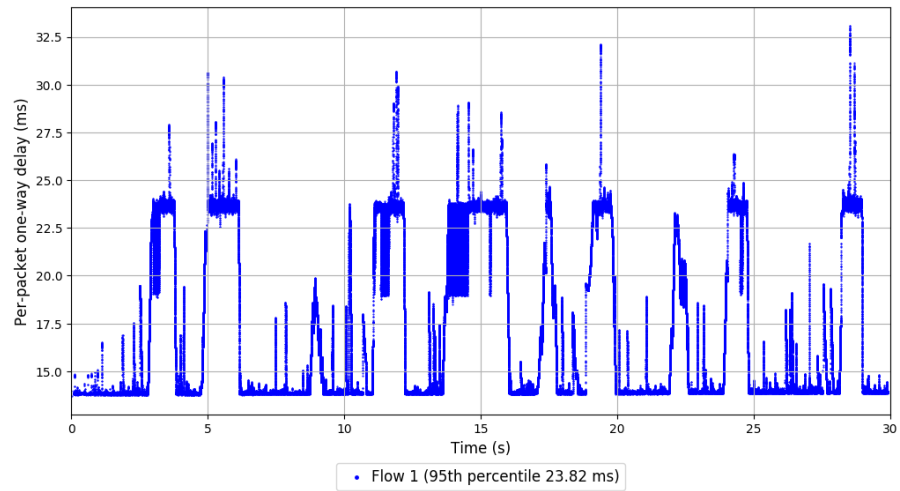
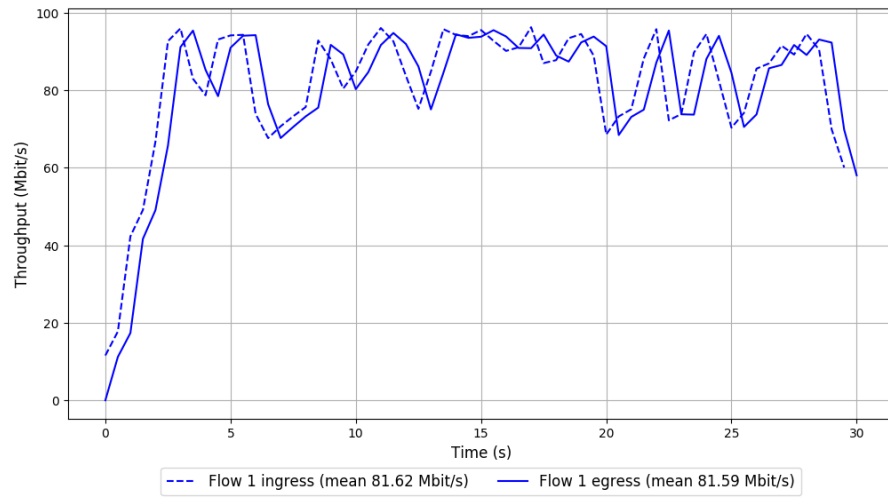


Run 6: Statistics of PCC-Expr

Start at: 2018-07-04 04:43:51
End at: 2018-07-04 04:44:21
Local clock offset: -1.71 ms
Remote clock offset: -1.697 ms

Below is generated by plot.py at 2018-07-04 06:28:39
Datalink statistics
-- Total of 1 flow:
Average throughput: 81.59 Mbit/s
95th percentile per-packet one-way delay: 23.819 ms
Loss rate: 0.12%
-- Flow 1:
Average throughput: 81.59 Mbit/s
95th percentile per-packet one-way delay: 23.819 ms
Loss rate: 0.12%

Run 6: Report of PCC-Expr — Data Link



Run 7: Statistics of PCC-Expr

Start at: 2018-07-04 05:03:56

End at: 2018-07-04 05:04:26

Local clock offset: 0.505 ms

Remote clock offset: 0.894 ms

Below is generated by plot.py at 2018-07-04 06:28:39

Datalink statistics

-- Total of 1 flow:

Average throughput: 77.78 Mbit/s

95th percentile per-packet one-way delay: 24.189 ms

Loss rate: 0.11%

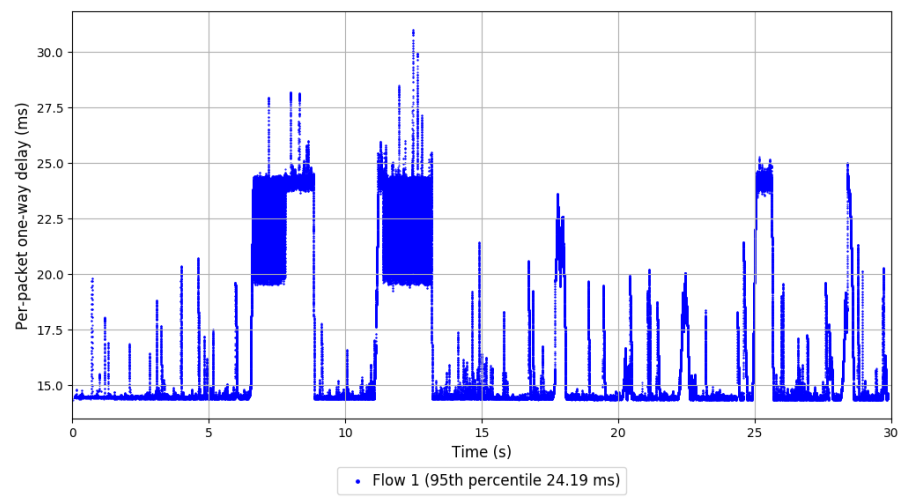
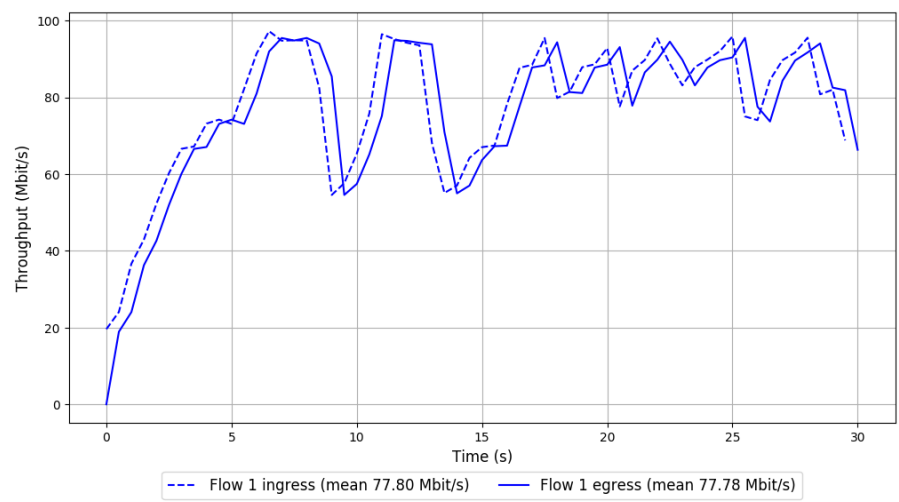
-- Flow 1:

Average throughput: 77.78 Mbit/s

95th percentile per-packet one-way delay: 24.189 ms

Loss rate: 0.11%

Run 7: Report of PCC-Expr — Data Link



Run 8: Statistics of PCC-Expr

Start at: 2018-07-04 05:24:04

End at: 2018-07-04 05:24:34

Local clock offset: 2.765 ms

Remote clock offset: -0.843 ms

Below is generated by plot.py at 2018-07-04 06:28:39

Datalink statistics

-- Total of 1 flow:

Average throughput: 74.34 Mbit/s

95th percentile per-packet one-way delay: 28.058 ms

Loss rate: 0.14%

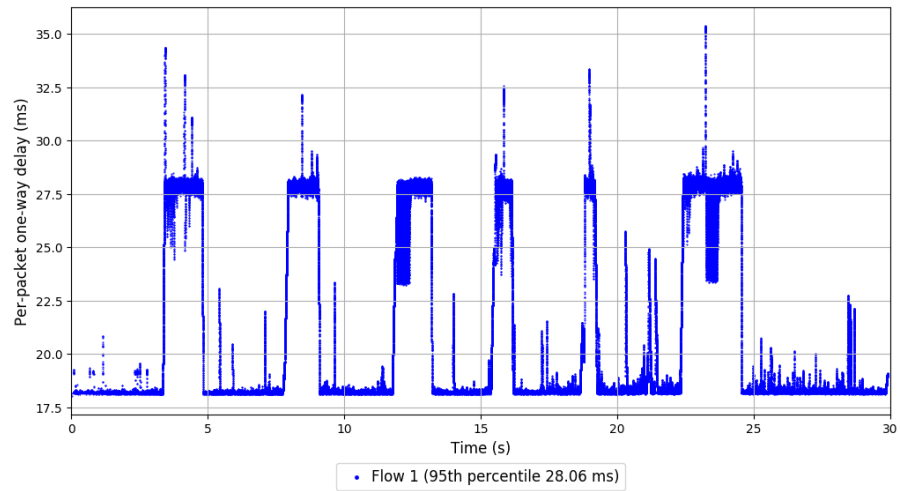
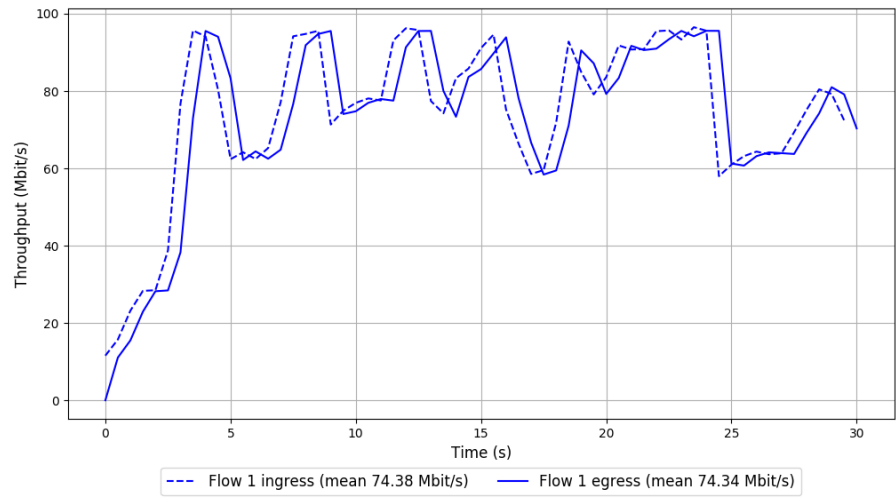
-- Flow 1:

Average throughput: 74.34 Mbit/s

95th percentile per-packet one-way delay: 28.058 ms

Loss rate: 0.14%

Run 8: Report of PCC-Expr — Data Link



Run 9: Statistics of PCC-Expr

Start at: 2018-07-04 05:44:22

End at: 2018-07-04 05:44:52

Local clock offset: 0.469 ms

Remote clock offset: 1.281 ms

Below is generated by plot.py at 2018-07-04 06:30:08

Datalink statistics

-- Total of 1 flow:

Average throughput: 83.57 Mbit/s

95th percentile per-packet one-way delay: 23.429 ms

Loss rate: 0.14%

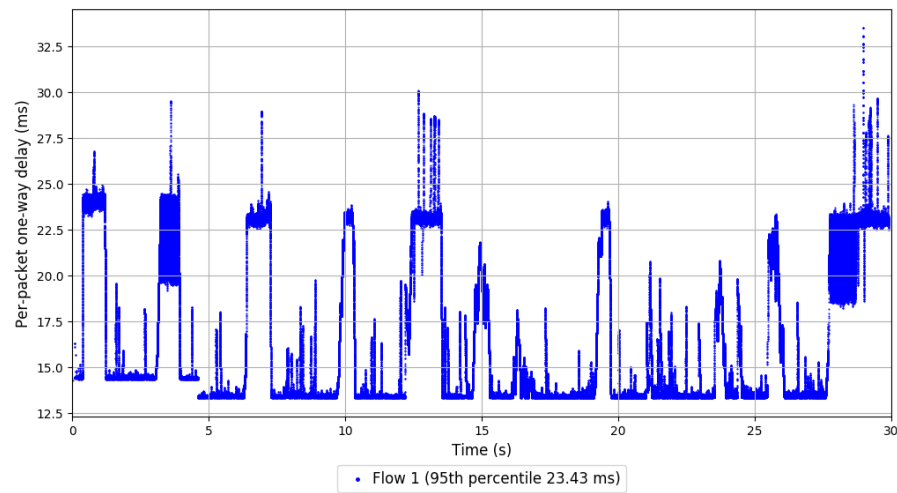
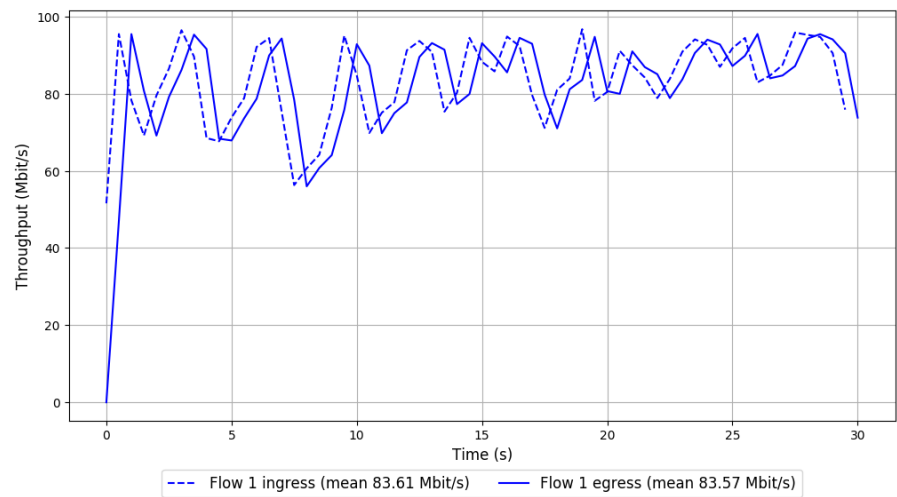
-- Flow 1:

Average throughput: 83.57 Mbit/s

95th percentile per-packet one-way delay: 23.429 ms

Loss rate: 0.14%

Run 9: Report of PCC-Expr — Data Link

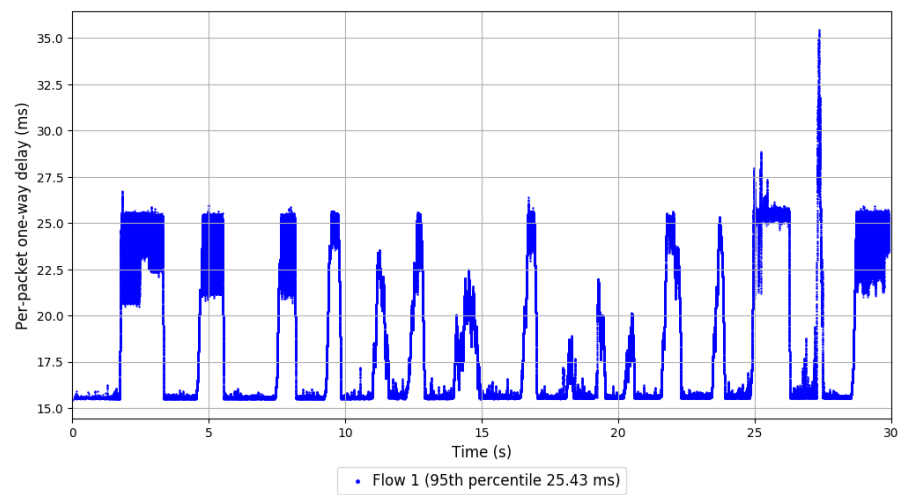
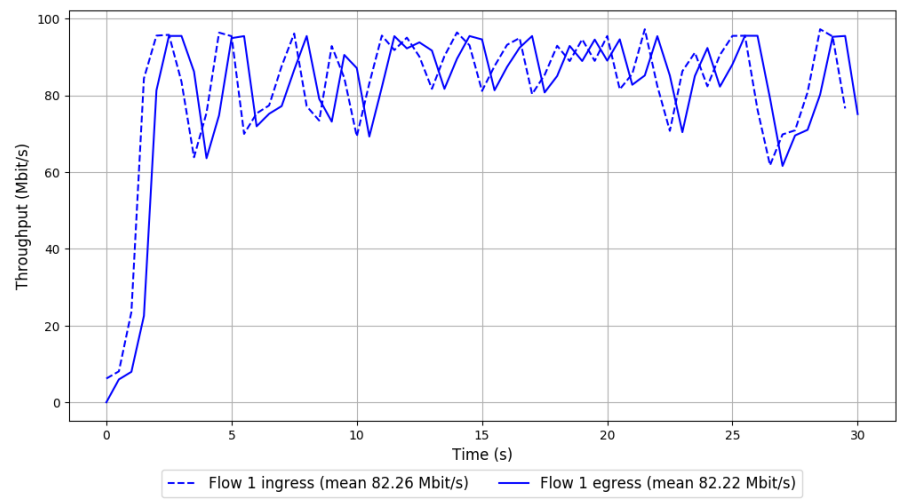


Run 10: Statistics of PCC-Expr

Start at: 2018-07-04 06:04:39
End at: 2018-07-04 06:05:09
Local clock offset: 0.566 ms
Remote clock offset: -0.259 ms

Below is generated by plot.py at 2018-07-04 06:30:11
Datalink statistics
-- Total of 1 flow:
Average throughput: 82.22 Mbit/s
95th percentile per-packet one-way delay: 25.431 ms
Loss rate: 0.14%
-- Flow 1:
Average throughput: 82.22 Mbit/s
95th percentile per-packet one-way delay: 25.431 ms
Loss rate: 0.14%

Run 10: Report of PCC-Expr — Data Link



Run 1: Statistics of QUIC Cubic

Start at: 2018-07-04 02:58:13

End at: 2018-07-04 02:58:43

Local clock offset: -0.044 ms

Remote clock offset: -5.148 ms

Below is generated by plot.py at 2018-07-04 06:30:11

Datalink statistics

-- Total of 1 flow:

Average throughput: 90.15 Mbit/s

95th percentile per-packet one-way delay: 25.960 ms

Loss rate: 0.12%

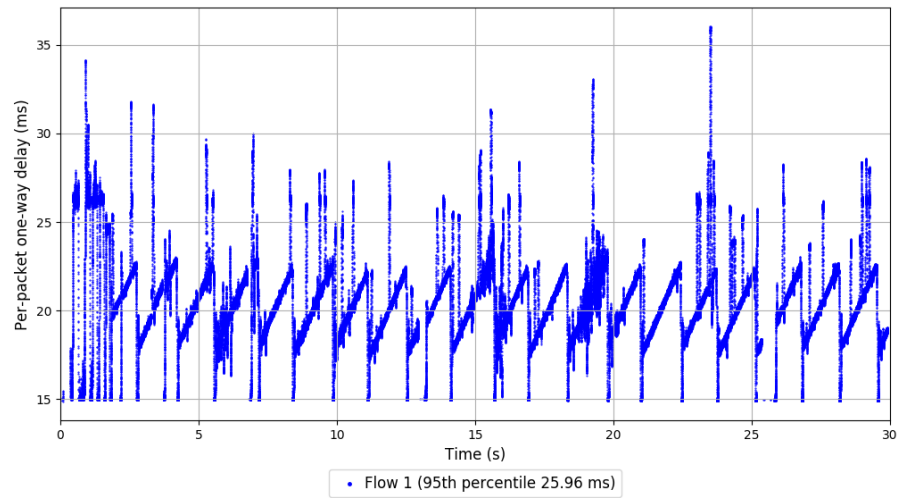
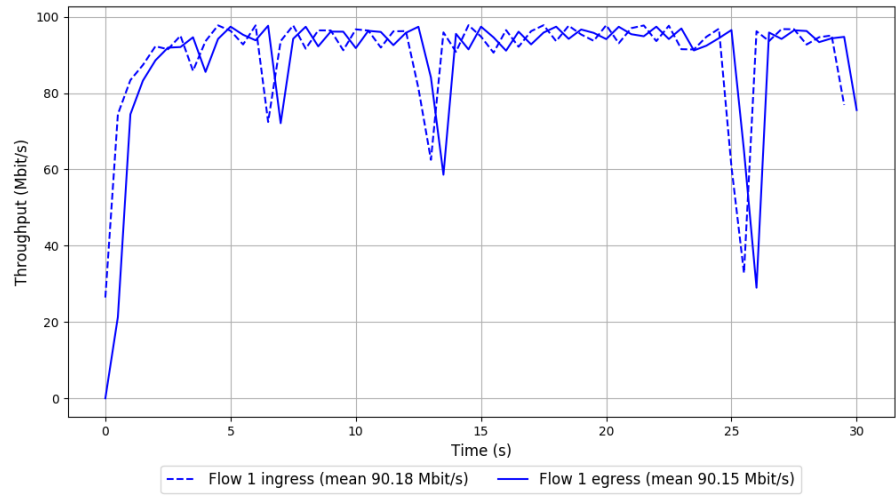
-- Flow 1:

Average throughput: 90.15 Mbit/s

95th percentile per-packet one-way delay: 25.960 ms

Loss rate: 0.12%

Run 1: Report of QUIC Cubic — Data Link



Run 2: Statistics of QUIC Cubic

Start at: 2018-07-04 03:18:41

End at: 2018-07-04 03:19:11

Local clock offset: 2.636 ms

Remote clock offset: -8.588 ms

Below is generated by plot.py at 2018-07-04 06:30:11

Datalink statistics

-- Total of 1 flow:

Average throughput: 89.38 Mbit/s

95th percentile per-packet one-way delay: 29.074 ms

Loss rate: 0.12%

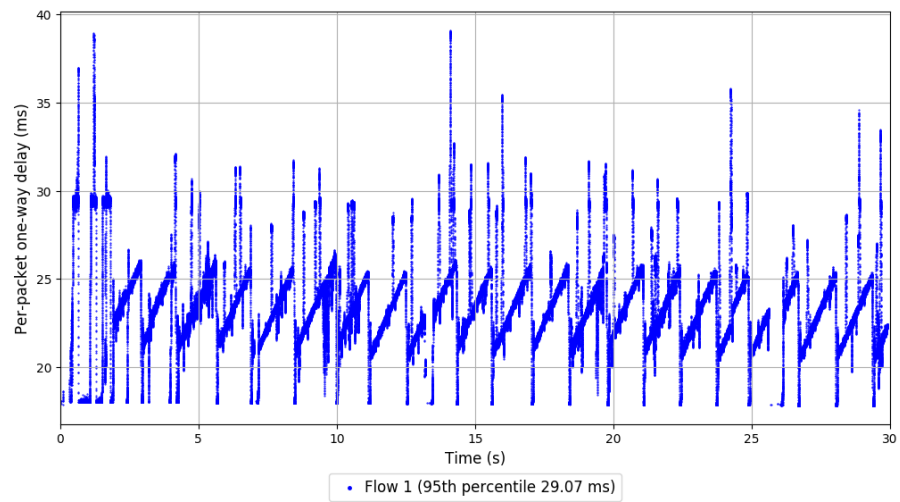
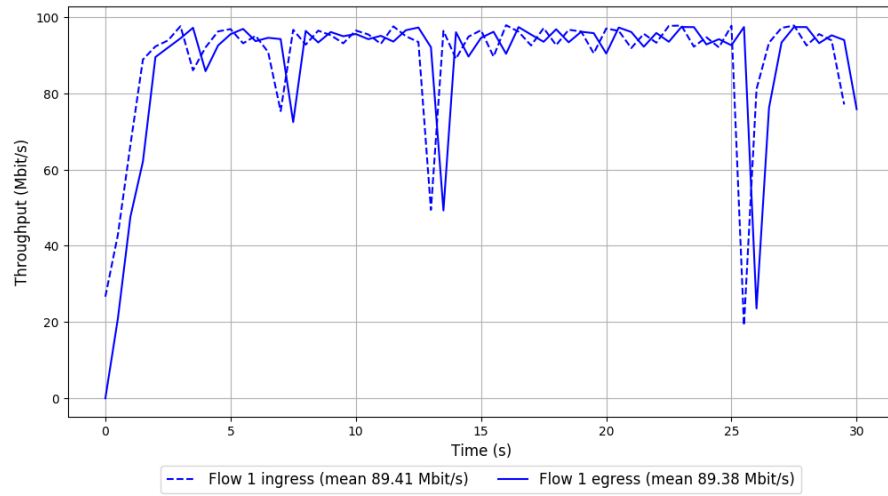
-- Flow 1:

Average throughput: 89.38 Mbit/s

95th percentile per-packet one-way delay: 29.074 ms

Loss rate: 0.12%

Run 2: Report of QUIC Cubic — Data Link



Run 3: Statistics of QUIC Cubic

Start at: 2018-07-04 03:38:49

End at: 2018-07-04 03:39:19

Local clock offset: -3.845 ms

Remote clock offset: -15.74 ms

Below is generated by plot.py at 2018-07-04 06:30:11

Datalink statistics

-- Total of 1 flow:

Average throughput: 90.52 Mbit/s

95th percentile per-packet one-way delay: 23.693 ms

Loss rate: 0.12%

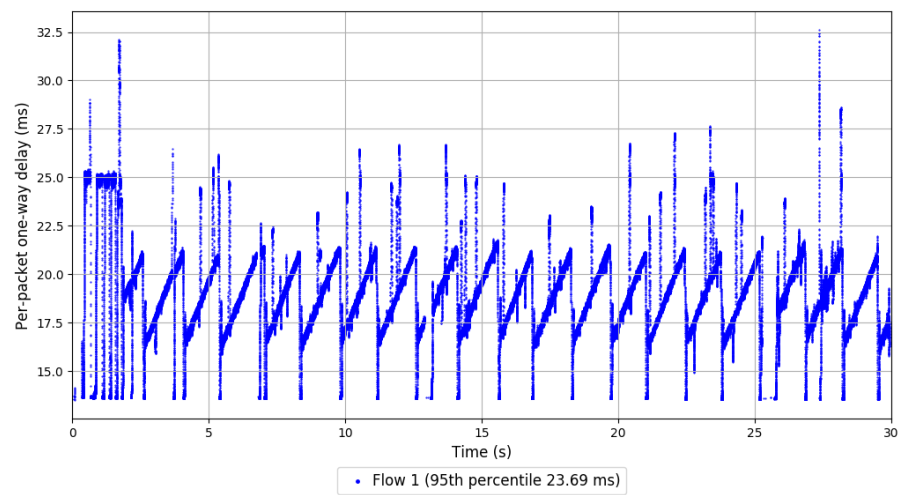
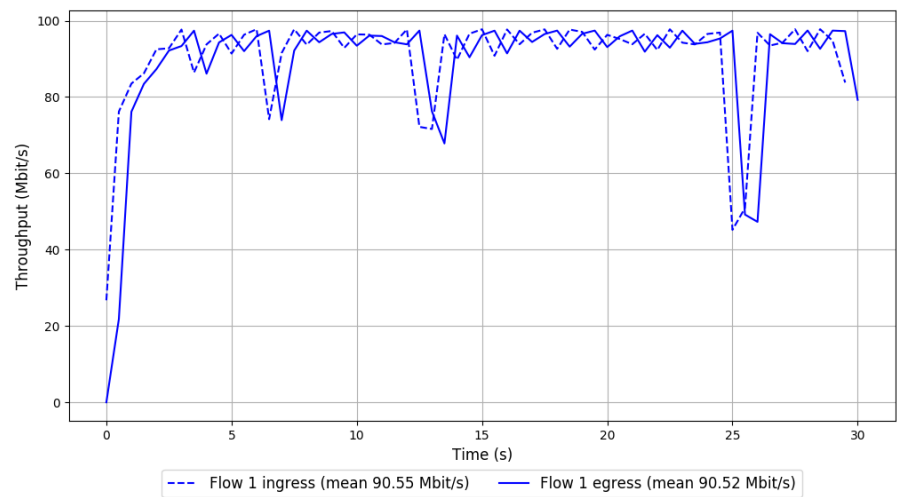
-- Flow 1:

Average throughput: 90.52 Mbit/s

95th percentile per-packet one-way delay: 23.693 ms

Loss rate: 0.12%

Run 3: Report of QUIC Cubic — Data Link

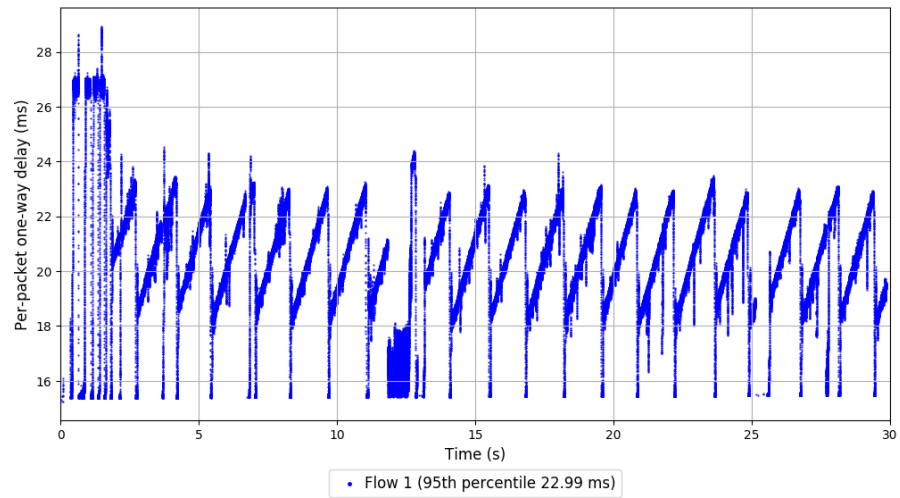
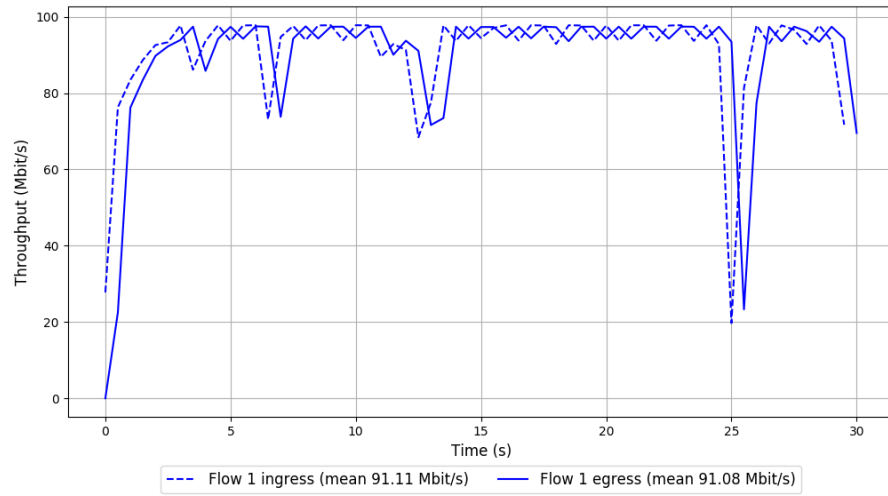


Run 4: Statistics of QUIC Cubic

Start at: 2018-07-04 03:58:59
End at: 2018-07-04 03:59:29
Local clock offset: 0.775 ms
Remote clock offset: -11.087 ms

Below is generated by plot.py at 2018-07-04 06:30:11
Datalink statistics
-- Total of 1 flow:
Average throughput: 91.08 Mbit/s
95th percentile per-packet one-way delay: 22.994 ms
Loss rate: 0.12%
-- Flow 1:
Average throughput: 91.08 Mbit/s
95th percentile per-packet one-way delay: 22.994 ms
Loss rate: 0.12%

Run 4: Report of QUIC Cubic — Data Link

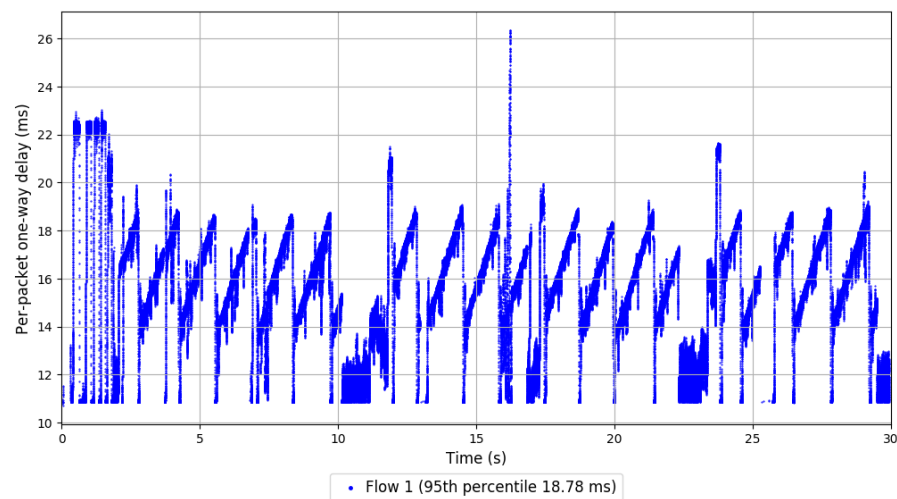
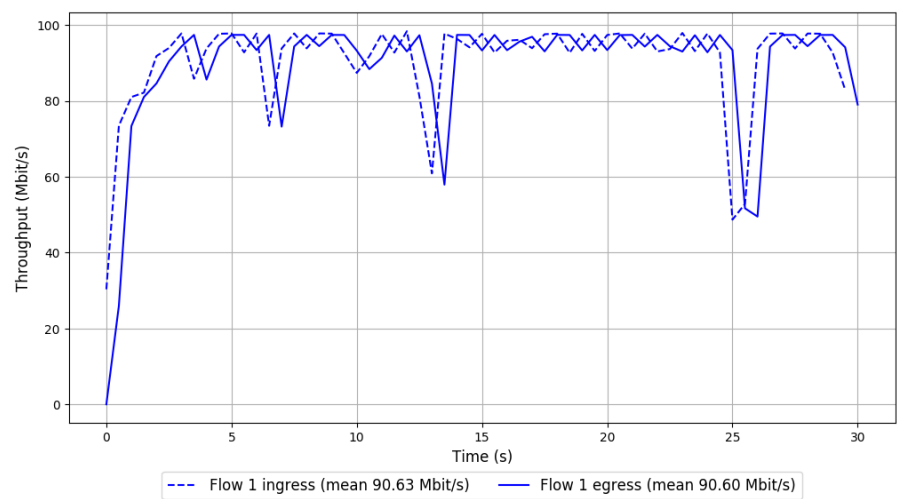


Run 5: Statistics of QUIC Cubic

Start at: 2018-07-04 04:19:10
End at: 2018-07-04 04:19:40
Local clock offset: -2.94 ms
Remote clock offset: -8.898 ms

Below is generated by plot.py at 2018-07-04 06:30:11
Datalink statistics
-- Total of 1 flow:
Average throughput: 90.60 Mbit/s
95th percentile per-packet one-way delay: 18.780 ms
Loss rate: 0.12%
-- Flow 1:
Average throughput: 90.60 Mbit/s
95th percentile per-packet one-way delay: 18.780 ms
Loss rate: 0.12%

Run 5: Report of QUIC Cubic — Data Link



Run 6: Statistics of QUIC Cubic

Start at: 2018-07-04 04:39:18

End at: 2018-07-04 04:39:48

Local clock offset: 4.2 ms

Remote clock offset: -2.347 ms

Below is generated by plot.py at 2018-07-04 06:30:11

Datalink statistics

-- Total of 1 flow:

Average throughput: 90.26 Mbit/s

95th percentile per-packet one-way delay: 29.686 ms

Loss rate: 0.12%

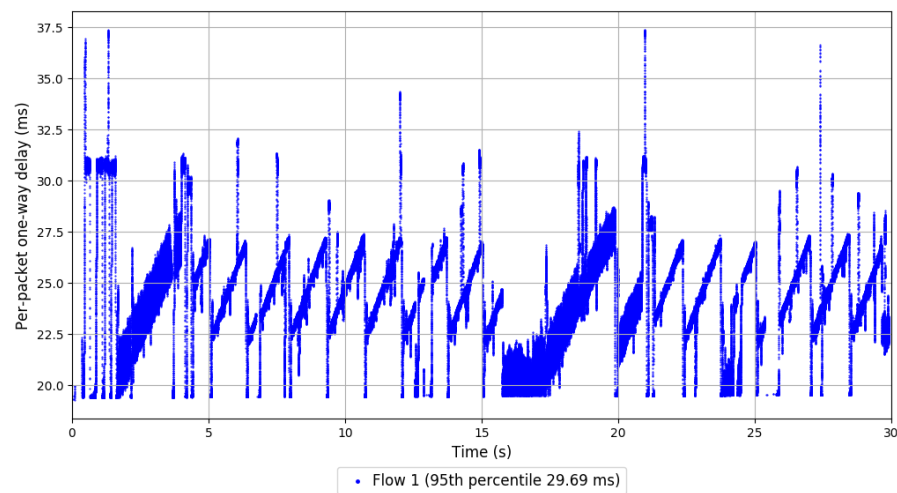
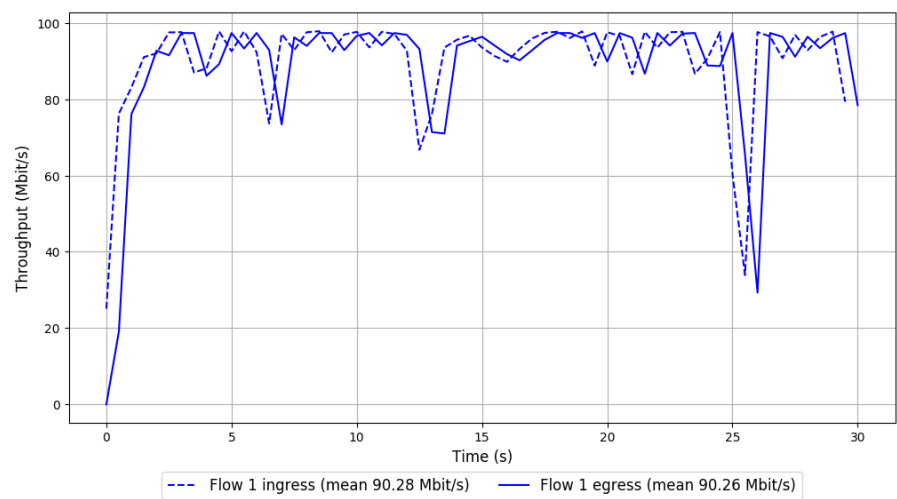
-- Flow 1:

Average throughput: 90.26 Mbit/s

95th percentile per-packet one-way delay: 29.686 ms

Loss rate: 0.12%

Run 6: Report of QUIC Cubic — Data Link



Run 7: Statistics of QUIC Cubic

Start at: 2018-07-04 04:59:21

End at: 2018-07-04 04:59:51

Local clock offset: 0.287 ms

Remote clock offset: 0.809 ms

Below is generated by plot.py at 2018-07-04 06:30:53

Datalink statistics

-- Total of 1 flow:

Average throughput: 90.06 Mbit/s

95th percentile per-packet one-way delay: 25.186 ms

Loss rate: 0.12%

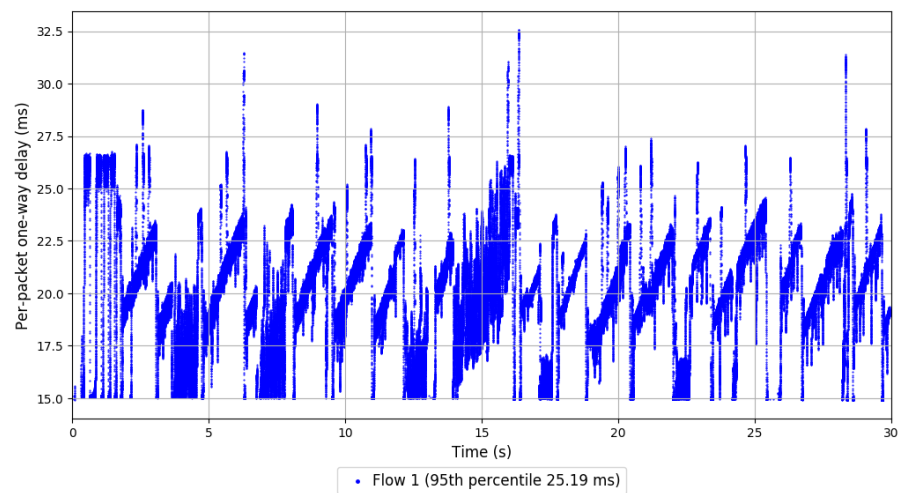
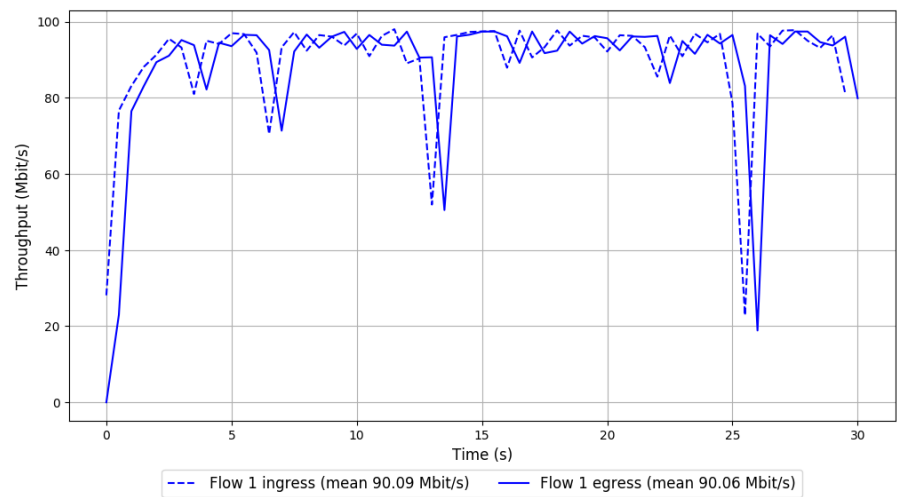
-- Flow 1:

Average throughput: 90.06 Mbit/s

95th percentile per-packet one-way delay: 25.186 ms

Loss rate: 0.12%

Run 7: Report of QUIC Cubic — Data Link



Run 8: Statistics of QUIC Cubic

Start at: 2018-07-04 05:19:25

End at: 2018-07-04 05:19:55

Local clock offset: -0.677 ms

Remote clock offset: -0.642 ms

Below is generated by plot.py at 2018-07-04 06:31:01

Datalink statistics

-- Total of 1 flow:

Average throughput: 89.10 Mbit/s

95th percentile per-packet one-way delay: 26.725 ms

Loss rate: 0.12%

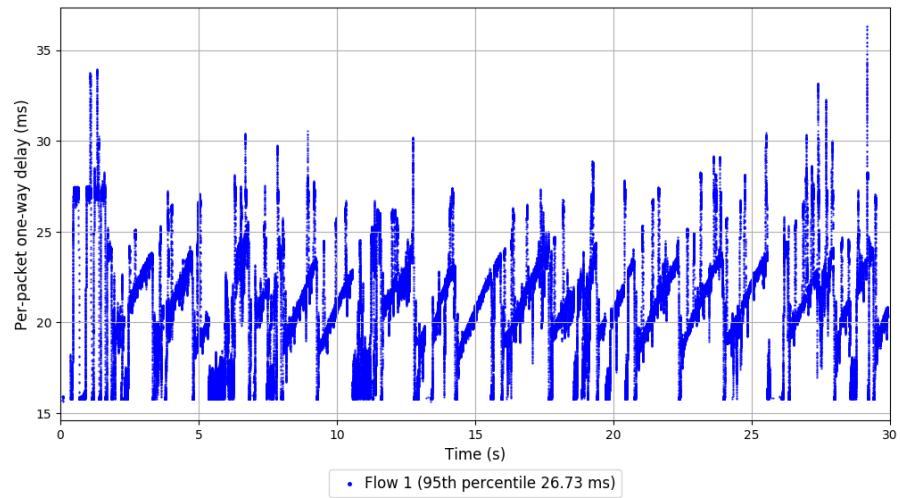
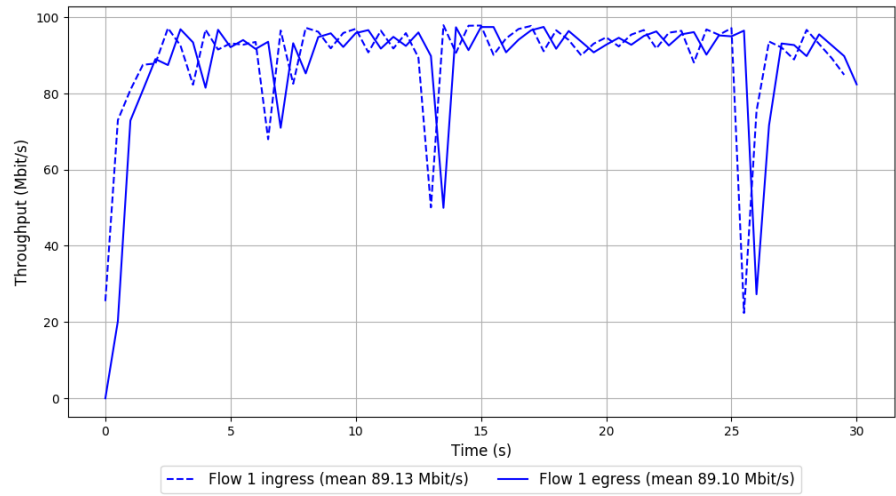
-- Flow 1:

Average throughput: 89.10 Mbit/s

95th percentile per-packet one-way delay: 26.725 ms

Loss rate: 0.12%

Run 8: Report of QUIC Cubic — Data Link



Run 9: Statistics of QUIC Cubic

Start at: 2018-07-04 05:39:48

End at: 2018-07-04 05:40:18

Local clock offset: 1.87 ms

Remote clock offset: -1.771 ms

Below is generated by plot.py at 2018-07-04 06:31:02

Datalink statistics

-- Total of 1 flow:

Average throughput: 89.45 Mbit/s

95th percentile per-packet one-way delay: 29.044 ms

Loss rate: 0.12%

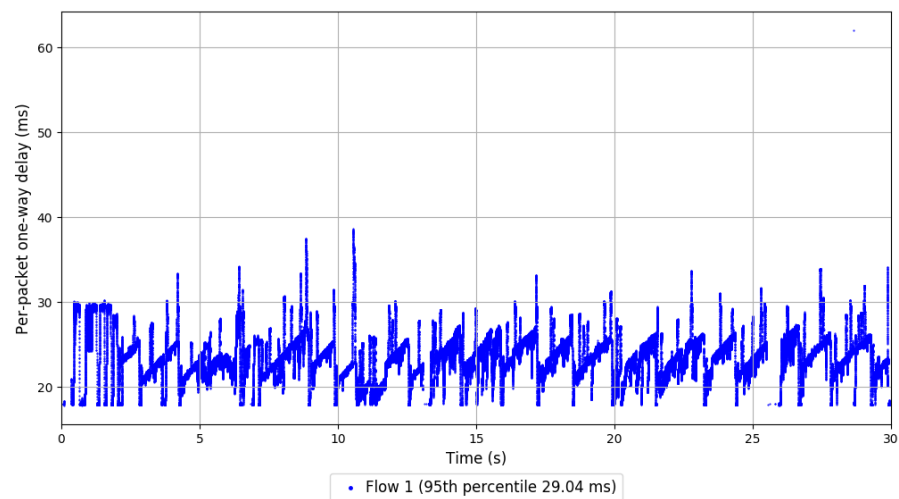
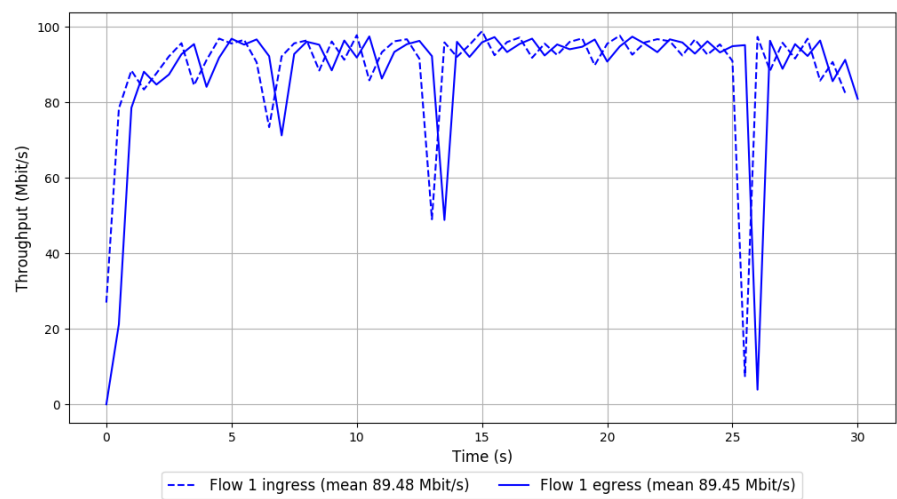
-- Flow 1:

Average throughput: 89.45 Mbit/s

95th percentile per-packet one-way delay: 29.044 ms

Loss rate: 0.12%

Run 9: Report of QUIC Cubic — Data Link



Run 10: Statistics of QUIC Cubic

Start at: 2018-07-04 06:00:07

End at: 2018-07-04 06:00:37

Local clock offset: -0.526 ms

Remote clock offset: -0.976 ms

Below is generated by plot.py at 2018-07-04 06:31:05

Datalink statistics

-- Total of 1 flow:

Average throughput: 91.07 Mbit/s

95th percentile per-packet one-way delay: 25.682 ms

Loss rate: 0.13%

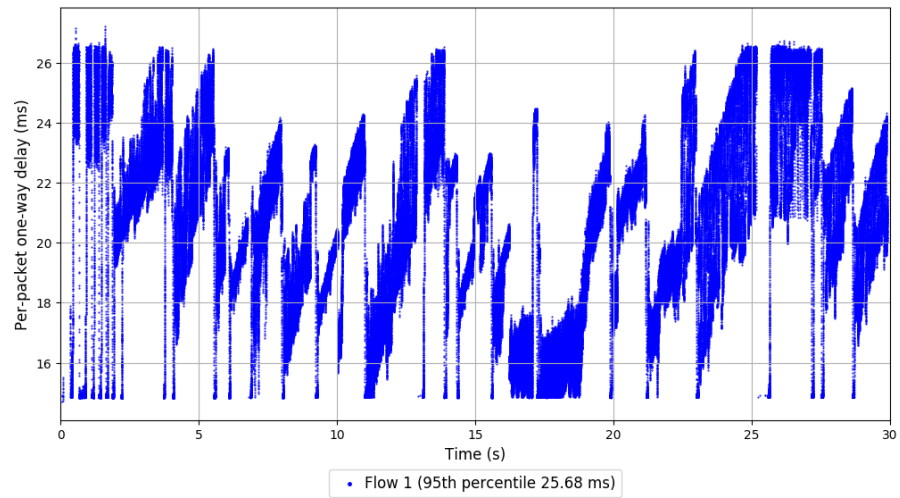
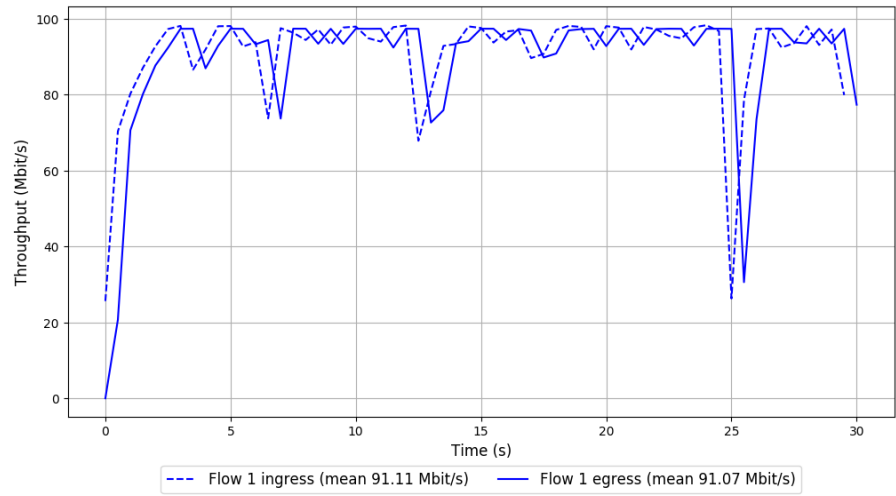
-- Flow 1:

Average throughput: 91.07 Mbit/s

95th percentile per-packet one-way delay: 25.682 ms

Loss rate: 0.13%

Run 10: Report of QUIC Cubic — Data Link

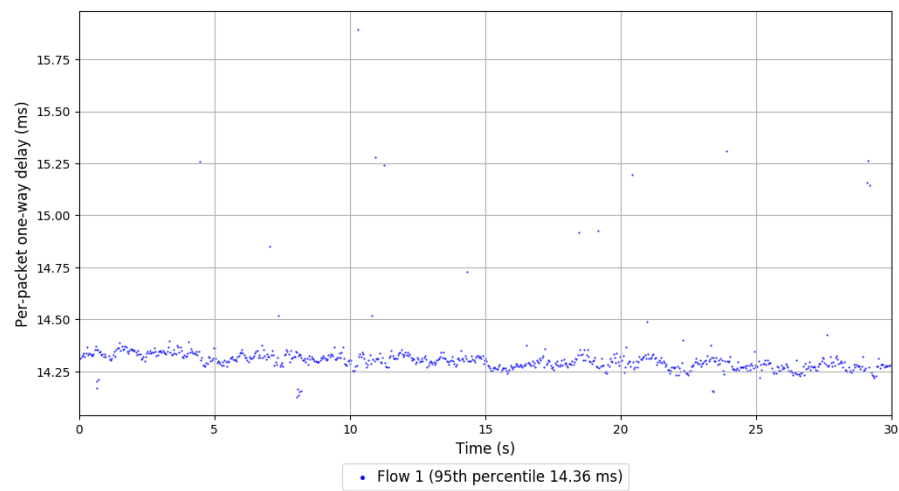
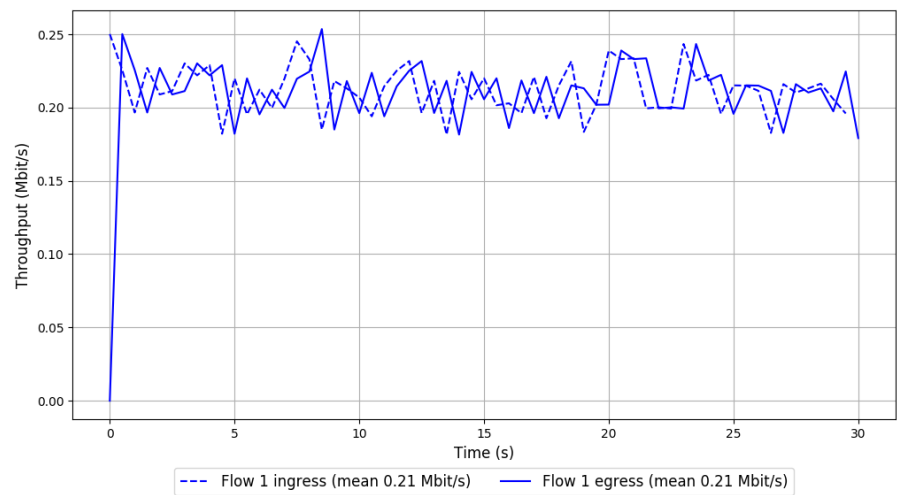


```
Run 1: Statistics of SCReAM

Start at: 2018-07-04 02:54:45
End at: 2018-07-04 02:55:16
Local clock offset: 0.102 ms
Remote clock offset: -3.875 ms

# Below is generated by plot.py at 2018-07-04 06:31:05
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 14.363 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 14.363 ms
Loss rate: 0.13%
```


Run 1: Report of SReAM — Data Link

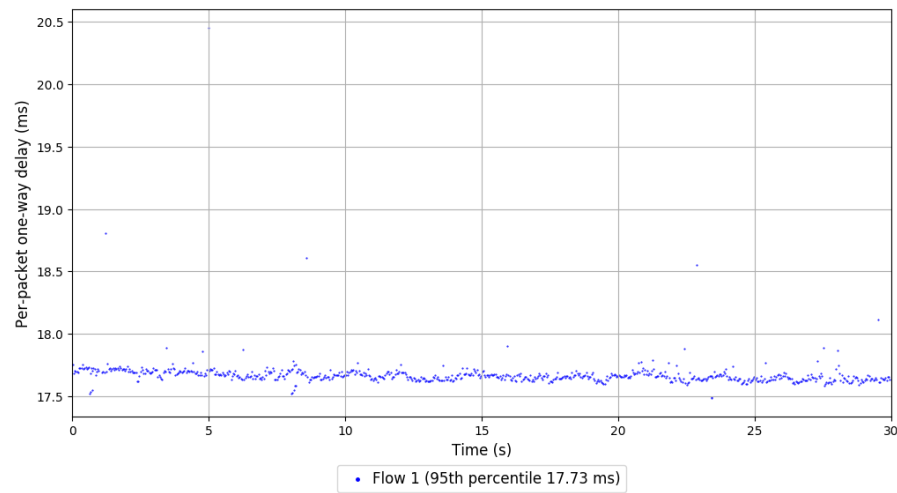
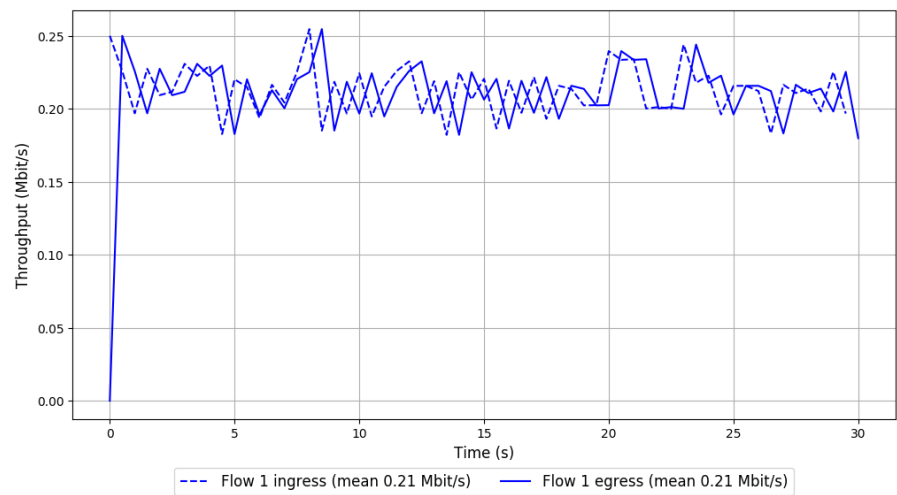


Run 2: Statistics of SCReAM

Start at: 2018-07-04 03:15:09
End at: 2018-07-04 03:15:39
Local clock offset: 2.144 ms
Remote clock offset: -7.172 ms

Below is generated by plot.py at 2018-07-04 06:31:05
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 17.729 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 17.729 ms
Loss rate: 0.13%

Run 2: Report of SReAM — Data Link

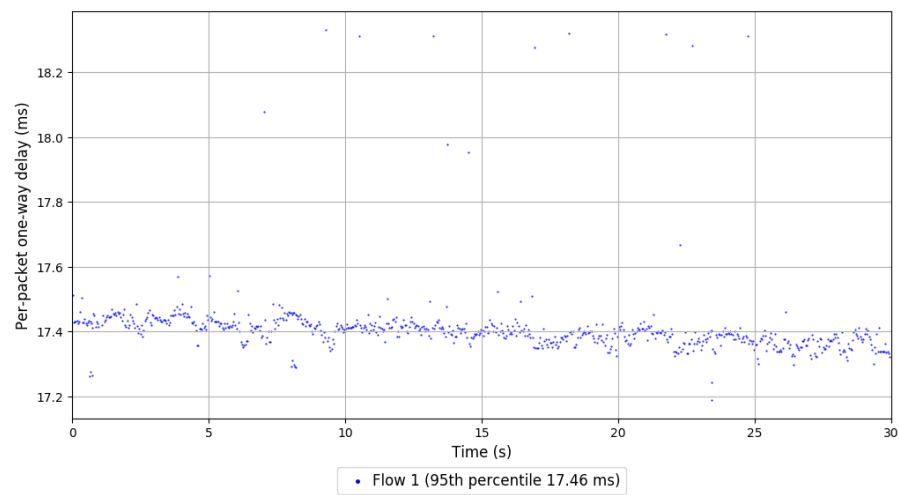
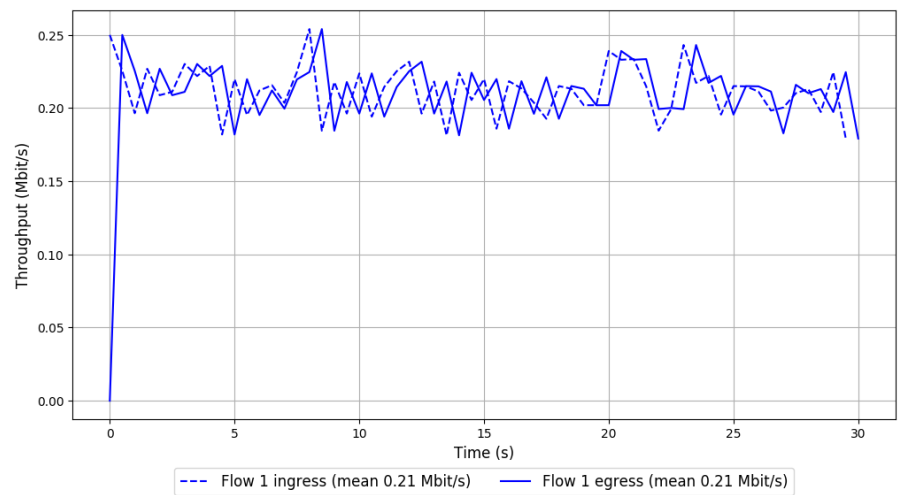


Run 3: Statistics of SCReAM

Start at: 2018-07-04 03:35:23
End at: 2018-07-04 03:35:53
Local clock offset: 3.031 ms
Remote clock offset: -12.145 ms

Below is generated by plot.py at 2018-07-04 06:31:05
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 17.460 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 17.460 ms
Loss rate: 0.00%

Run 3: Report of SReAM — Data Link

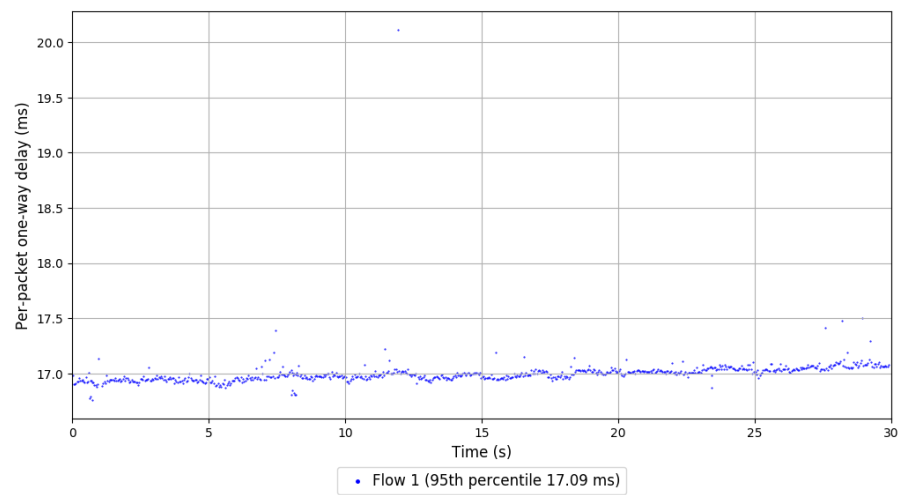
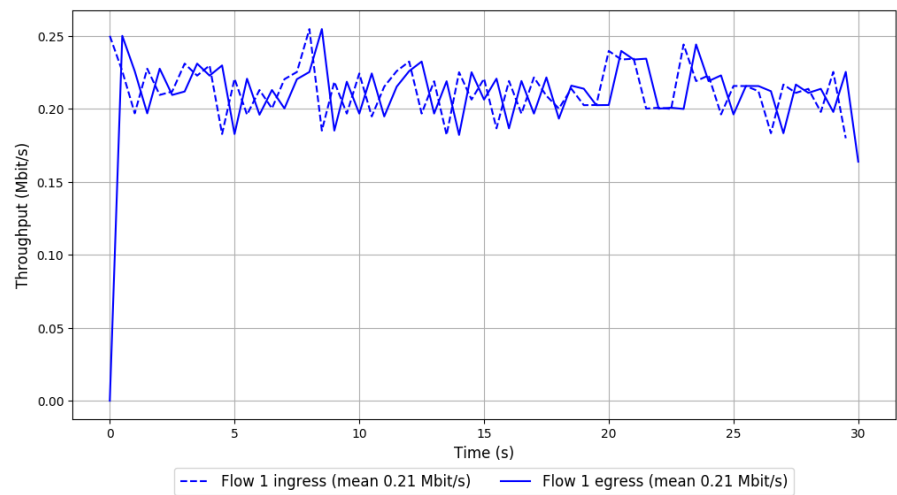


Run 4: Statistics of SCReAM

Start at: 2018-07-04 03:55:35
End at: 2018-07-04 03:56:05
Local clock offset: 2.477 ms
Remote clock offset: -11.774 ms

Below is generated by plot.py at 2018-07-04 06:31:05
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 17.086 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 17.086 ms
Loss rate: 0.13%

Run 4: Report of SReAM — Data Link

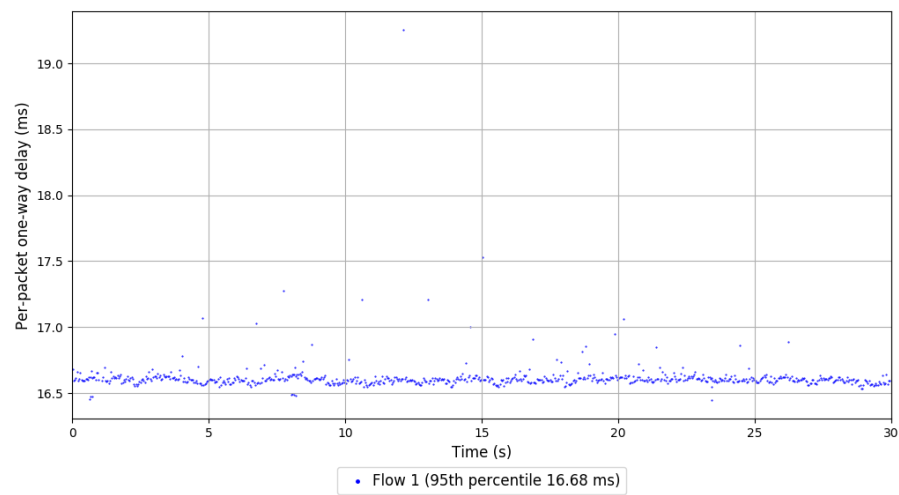
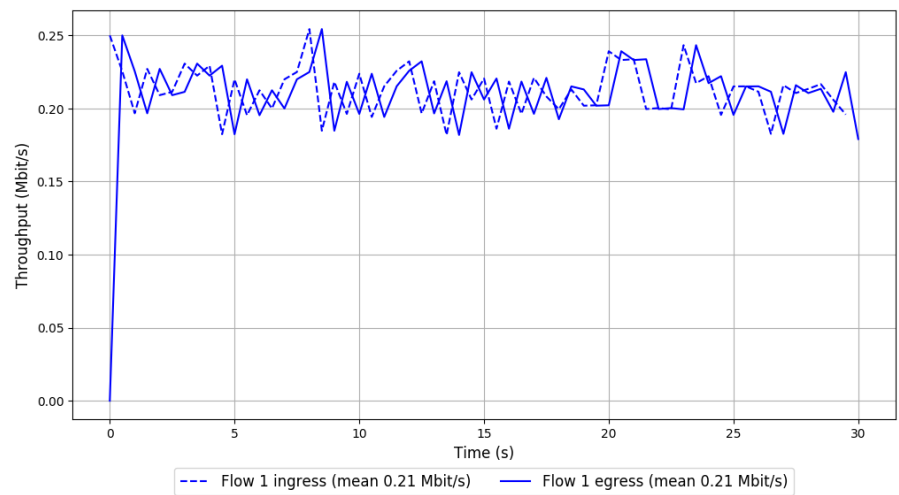


Run 5: Statistics of SCReAM

Start at: 2018-07-04 04:15:38
End at: 2018-07-04 04:16:08
Local clock offset: 1.654 ms
Remote clock offset: -10.031 ms

Below is generated by plot.py at 2018-07-04 06:31:05
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 16.675 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 16.675 ms
Loss rate: 0.13%

Run 5: Report of SReAM — Data Link

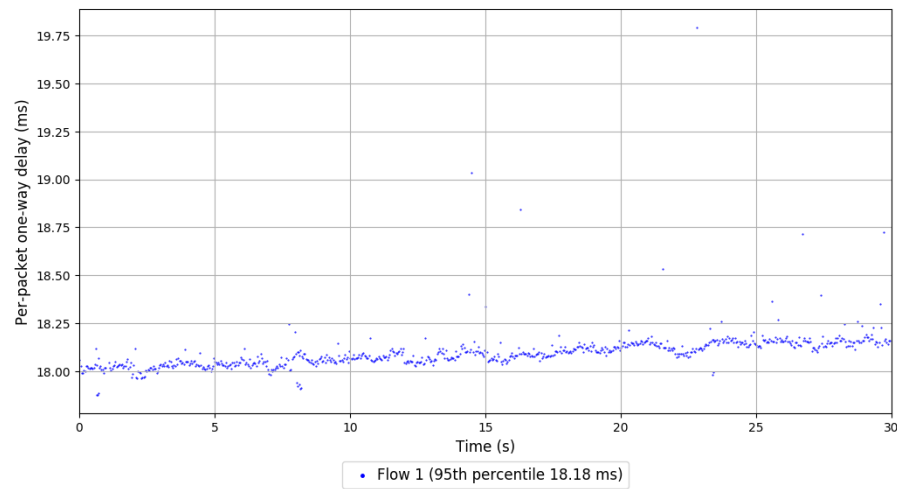
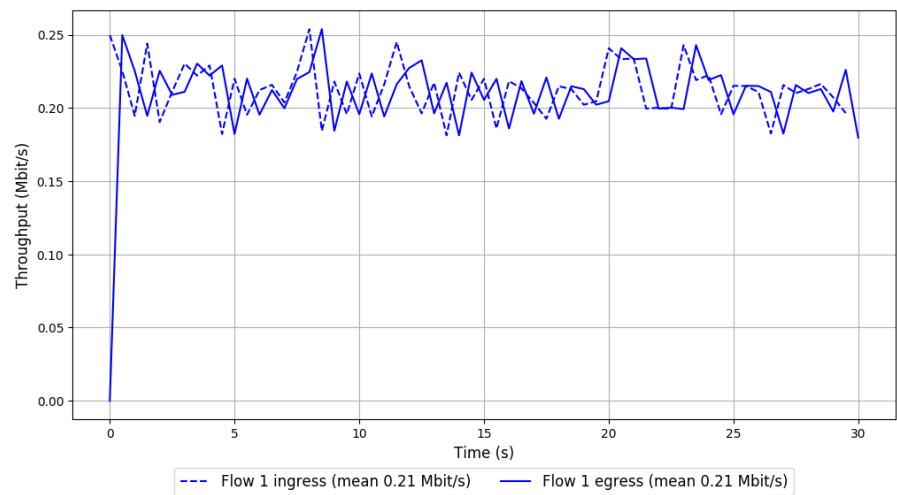


Run 6: Statistics of SCReAM

Start at: 2018-07-04 04:35:53
End at: 2018-07-04 04:36:23
Local clock offset: 2.724 ms
Remote clock offset: -3.382 ms

Below is generated by plot.py at 2018-07-04 06:31:05
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 18.176 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 18.176 ms
Loss rate: 0.13%

Run 6: Report of SReAM — Data Link



Run 7: Statistics of SCReAM

Start at: 2018-07-04 04:55:56

End at: 2018-07-04 04:56:26

Local clock offset: 2.668 ms

Remote clock offset: 0.129 ms

Below is generated by plot.py at 2018-07-04 06:31:05

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 18.216 ms

Loss rate: 0.00%

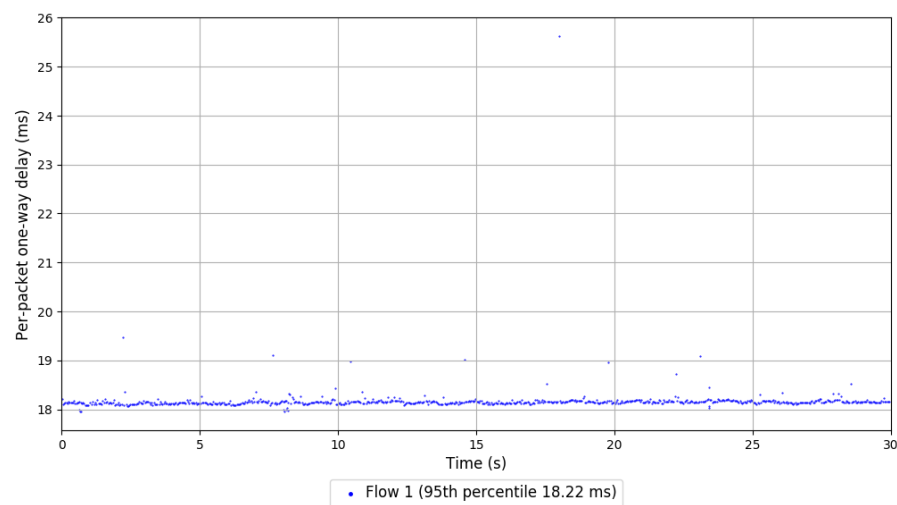
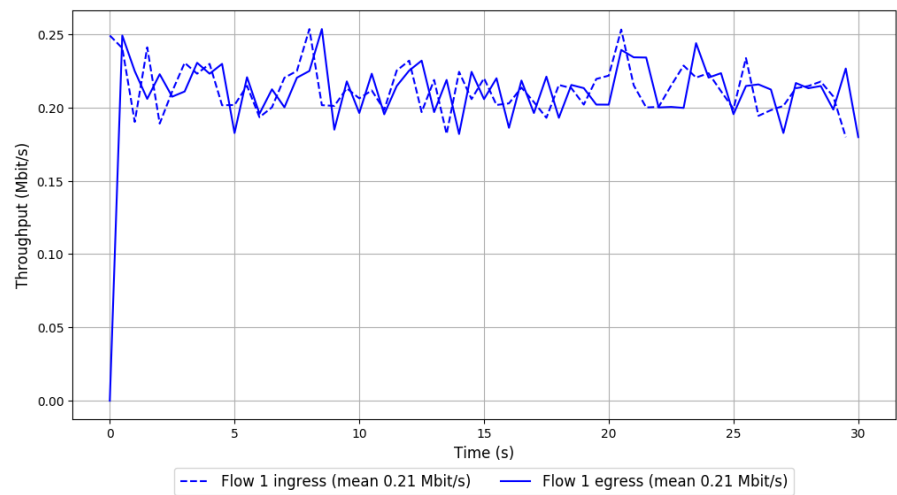
-- Flow 1:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 18.216 ms

Loss rate: 0.00%

Run 7: Report of SReAM — Data Link

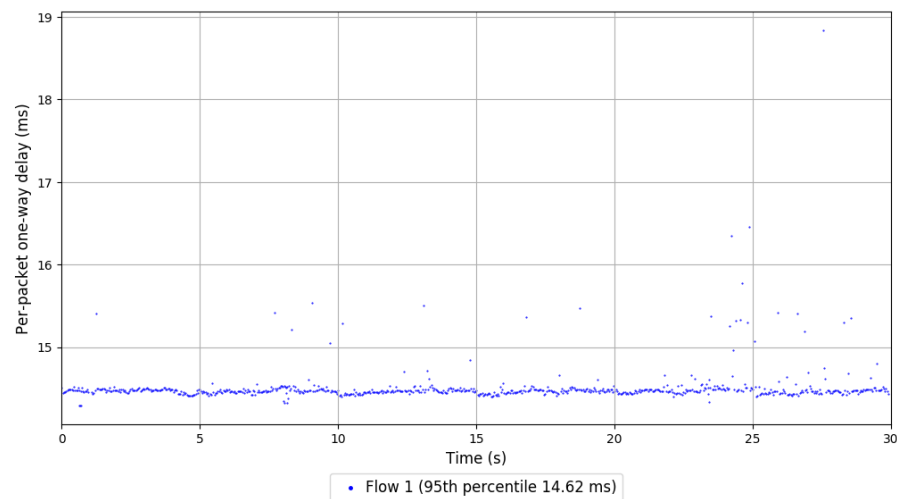
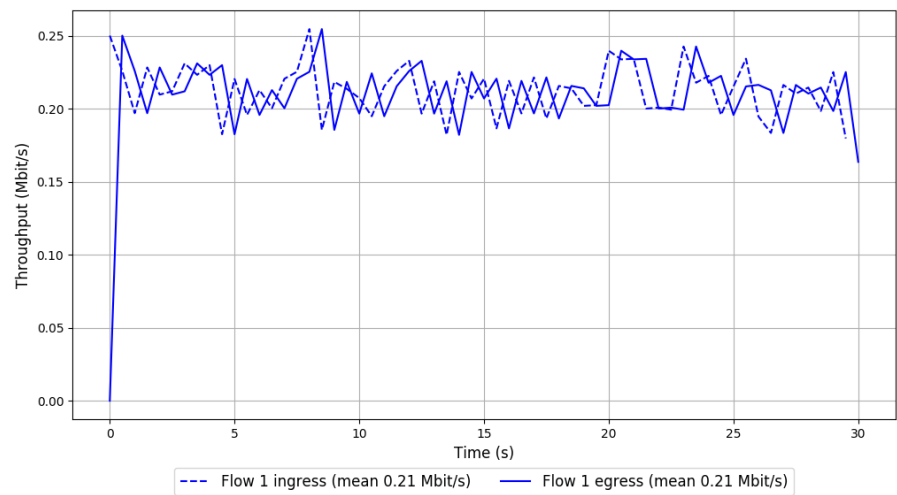


Run 8: Statistics of SCReAM

Start at: 2018-07-04 05:15:56
End at: 2018-07-04 05:16:26
Local clock offset: -0.028 ms
Remote clock offset: -0.136 ms

Below is generated by plot.py at 2018-07-04 06:31:05
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 14.621 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 14.621 ms
Loss rate: 0.13%

Run 8: Report of SReAM — Data Link

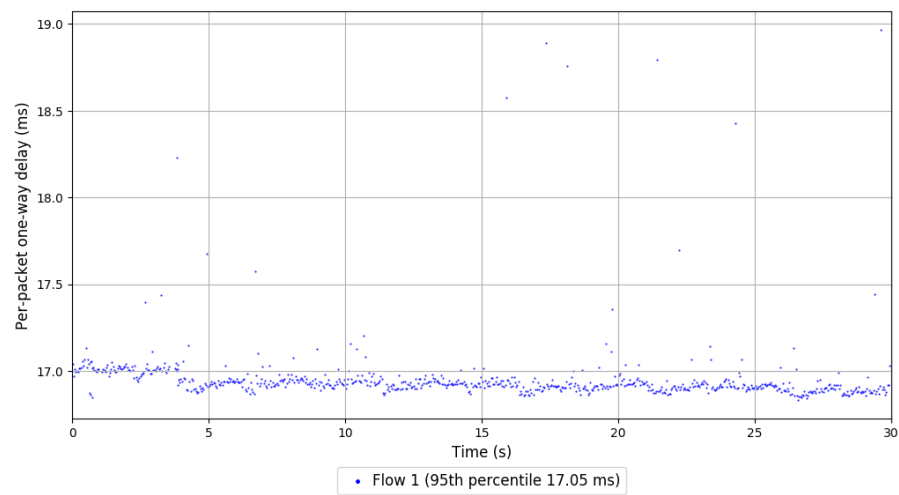
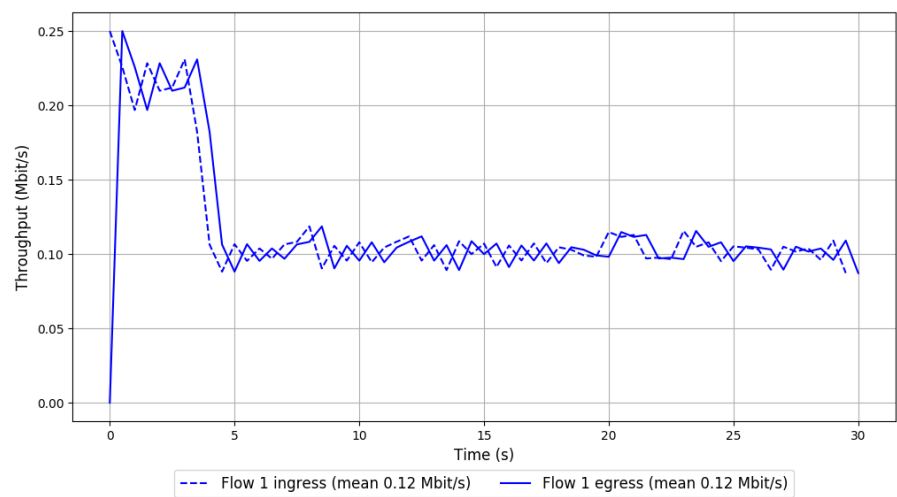


Run 9: Statistics of SReAM

Start at: 2018-07-04 05:36:06
End at: 2018-07-04 05:36:36
Local clock offset: 2.41 ms
Remote clock offset: -0.058 ms

Below is generated by plot.py at 2018-07-04 06:31:05
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.12 Mbit/s
95th percentile per-packet one-way delay: 17.050 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.12 Mbit/s
95th percentile per-packet one-way delay: 17.050 ms
Loss rate: 0.00%

Run 9: Report of SReAM — Data Link



Run 10: Statistics of SCReAM

Start at: 2018-07-04 05:56:43

End at: 2018-07-04 05:57:13

Local clock offset: 2.338 ms

Remote clock offset: -0.314 ms

Below is generated by plot.py at 2018-07-04 06:31:05

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.08 Mbit/s

95th percentile per-packet one-way delay: 18.242 ms

Loss rate: 1.06%

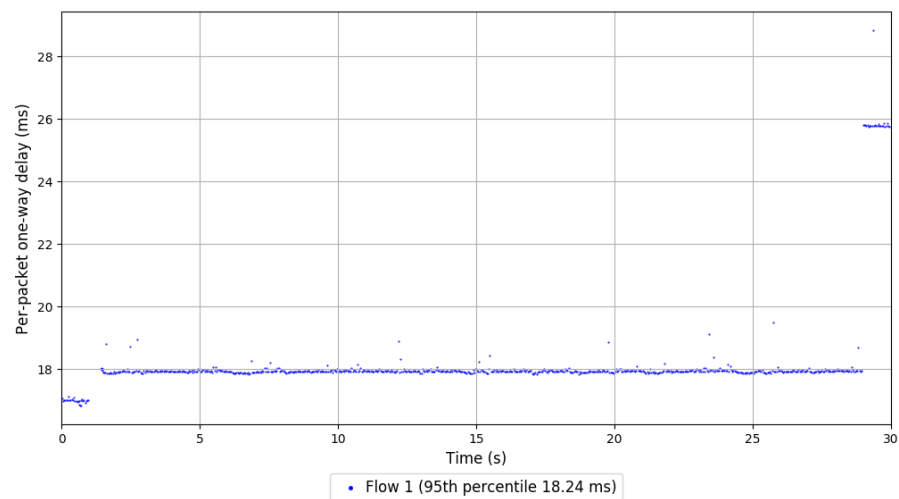
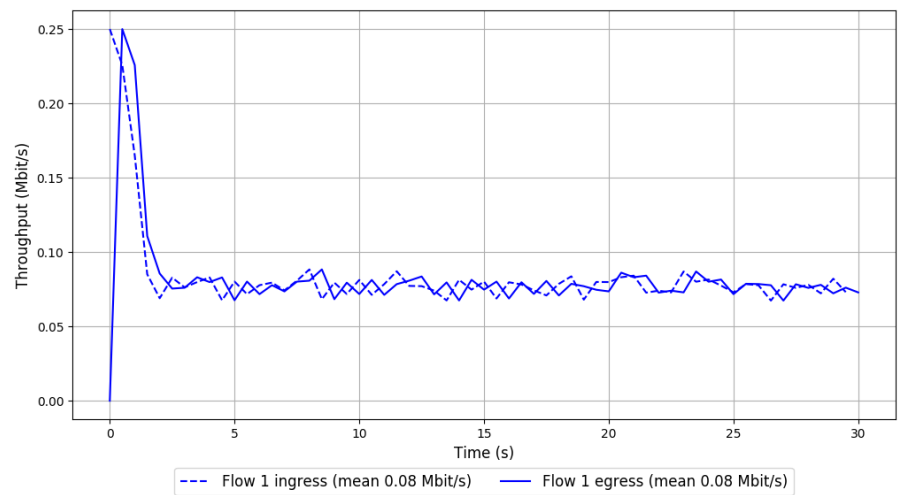
-- Flow 1:

Average throughput: 0.08 Mbit/s

95th percentile per-packet one-way delay: 18.242 ms

Loss rate: 1.06%

Run 10: Report of SCRaM — Data Link

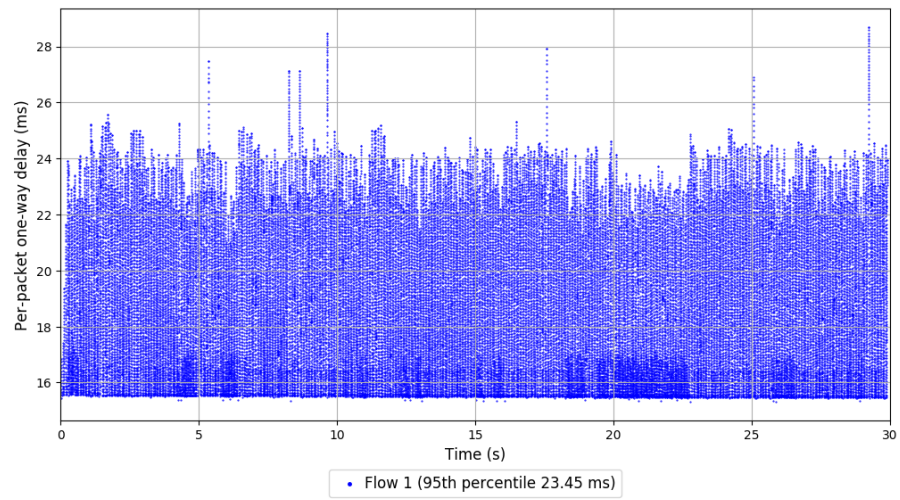
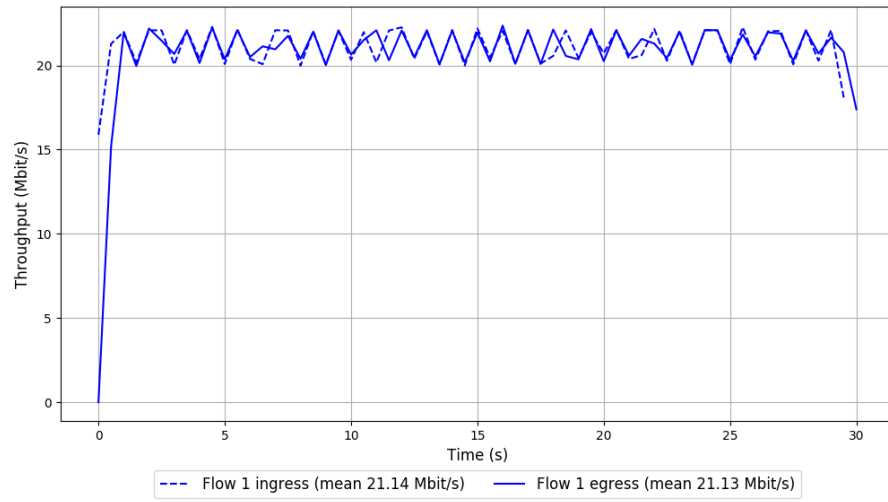


Run 1: Statistics of Sprout

Start at: 2018-07-04 02:52:31
End at: 2018-07-04 02:53:01
Local clock offset: 0.394 ms
Remote clock offset: -4.452 ms

Below is generated by plot.py at 2018-07-04 06:31:05
Datalink statistics
-- Total of 1 flow:
Average throughput: 21.13 Mbit/s
95th percentile per-packet one-way delay: 23.452 ms
Loss rate: 0.16%
-- Flow 1:
Average throughput: 21.13 Mbit/s
95th percentile per-packet one-way delay: 23.452 ms
Loss rate: 0.16%

Run 1: Report of Sprout — Data Link

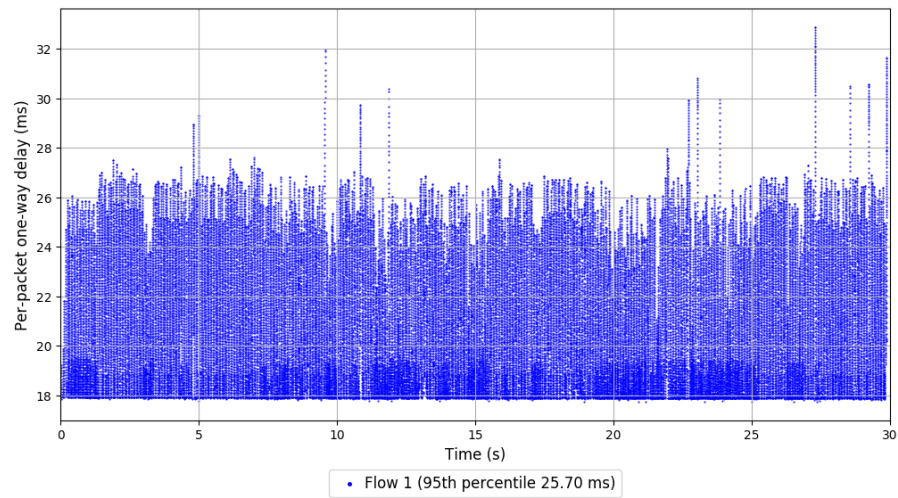
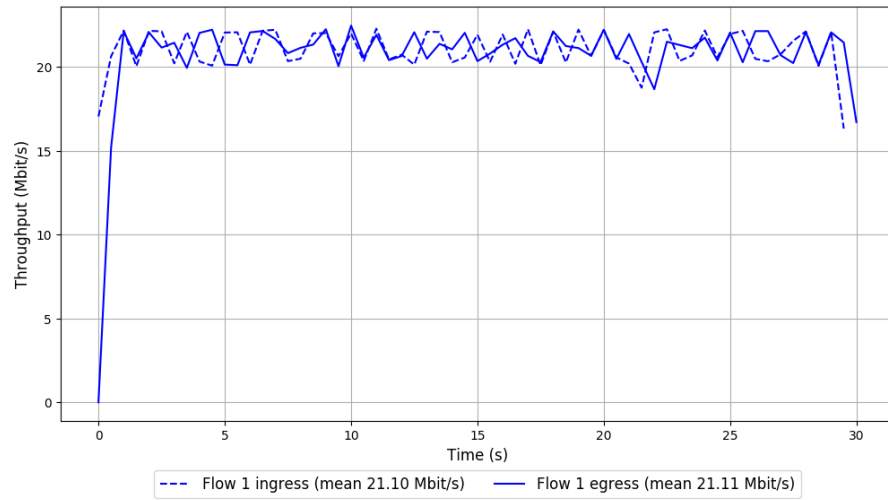


Run 2: Statistics of Sprout

Start at: 2018-07-04 03:12:53
End at: 2018-07-04 03:13:23
Local clock offset: 2.63 ms
Remote clock offset: -6.73 ms

Below is generated by plot.py at 2018-07-04 06:31:05
Datalink statistics
-- Total of 1 flow:
Average throughput: 21.11 Mbit/s
95th percentile per-packet one-way delay: 25.699 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 21.11 Mbit/s
95th percentile per-packet one-way delay: 25.699 ms
Loss rate: 0.02%

Run 2: Report of Sprout — Data Link

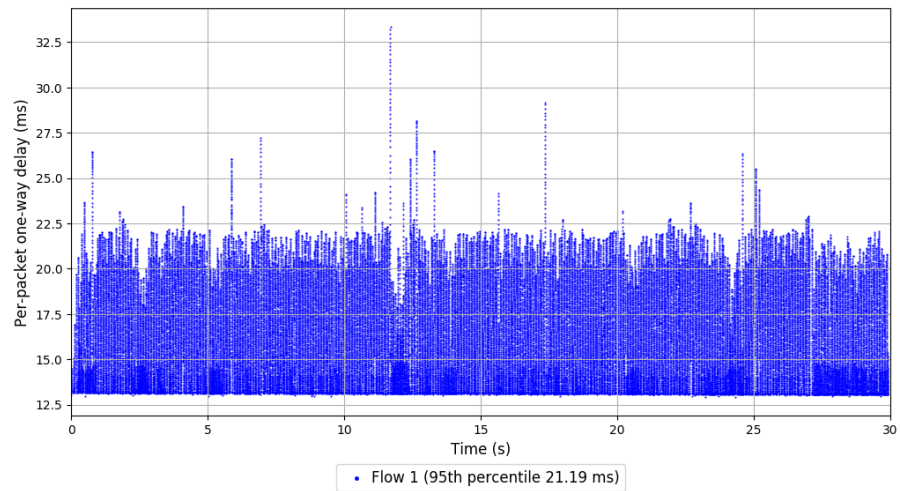
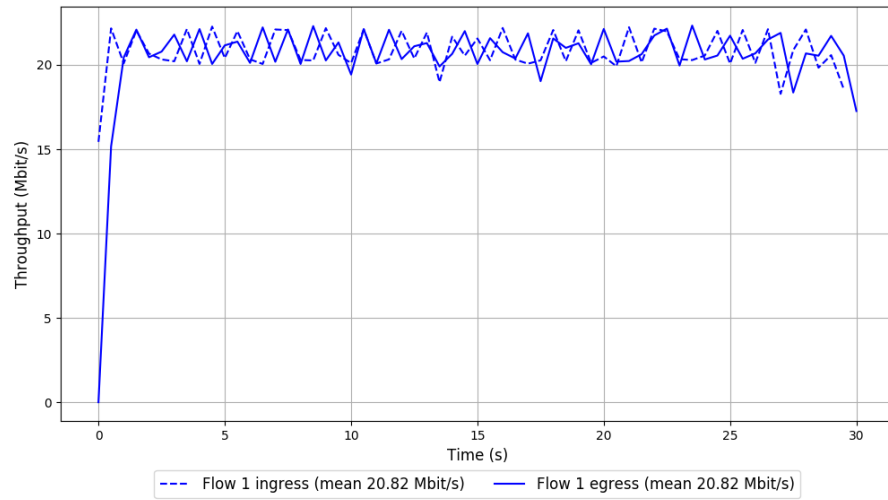


Run 3: Statistics of Sprout

Start at: 2018-07-04 03:33:04
End at: 2018-07-04 03:33:34
Local clock offset: -1.93 ms
Remote clock offset: -12.465 ms

Below is generated by plot.py at 2018-07-04 06:31:05
Datalink statistics
-- Total of 1 flow:
Average throughput: 20.82 Mbit/s
95th percentile per-packet one-way delay: 21.187 ms
Loss rate: 0.11%
-- Flow 1:
Average throughput: 20.82 Mbit/s
95th percentile per-packet one-way delay: 21.187 ms
Loss rate: 0.11%

Run 3: Report of Sprout — Data Link

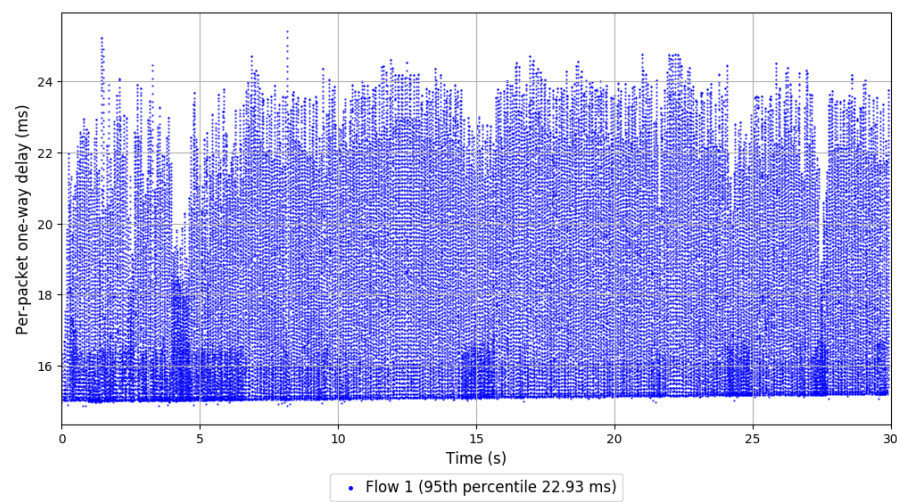
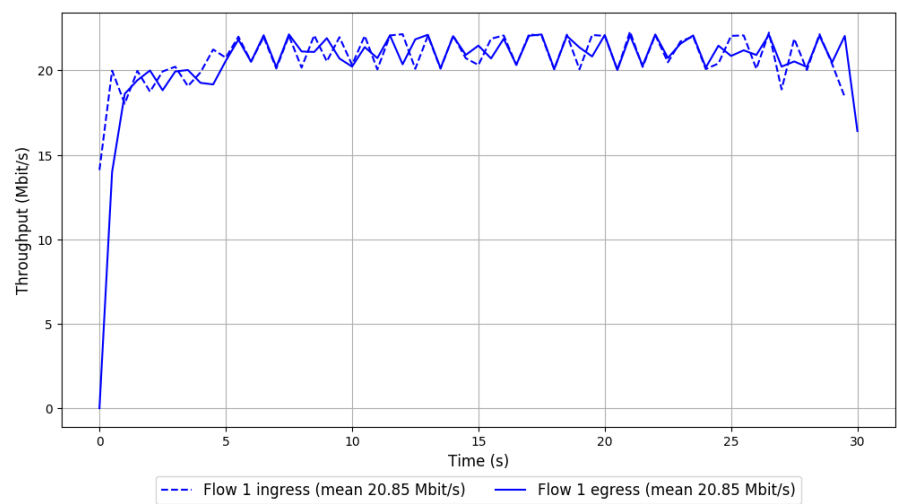


Run 4: Statistics of Sprout

Start at: 2018-07-04 03:53:20
End at: 2018-07-04 03:53:50
Local clock offset: 0.175 ms
Remote clock offset: -12.988 ms

Below is generated by plot.py at 2018-07-04 06:31:05
Datalink statistics
-- Total of 1 flow:
Average throughput: 20.85 Mbit/s
95th percentile per-packet one-way delay: 22.935 ms
Loss rate: 0.16%
-- Flow 1:
Average throughput: 20.85 Mbit/s
95th percentile per-packet one-way delay: 22.935 ms
Loss rate: 0.16%

Run 4: Report of Sprout — Data Link

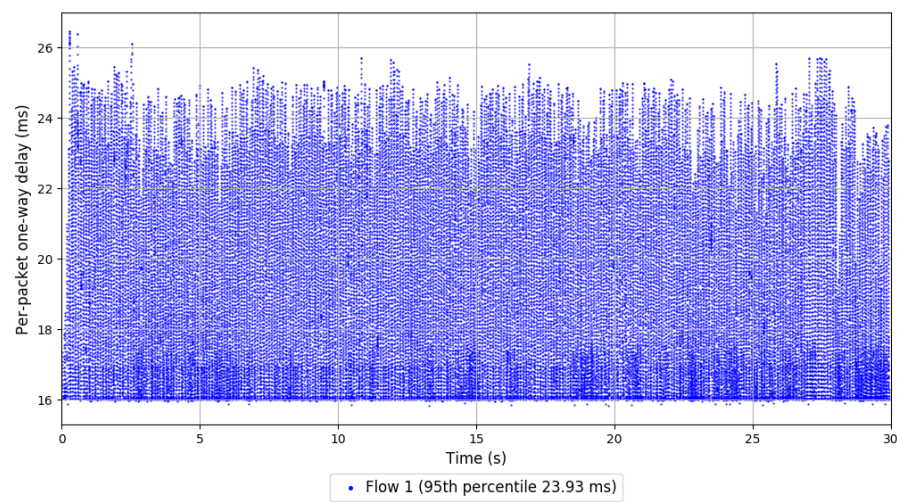
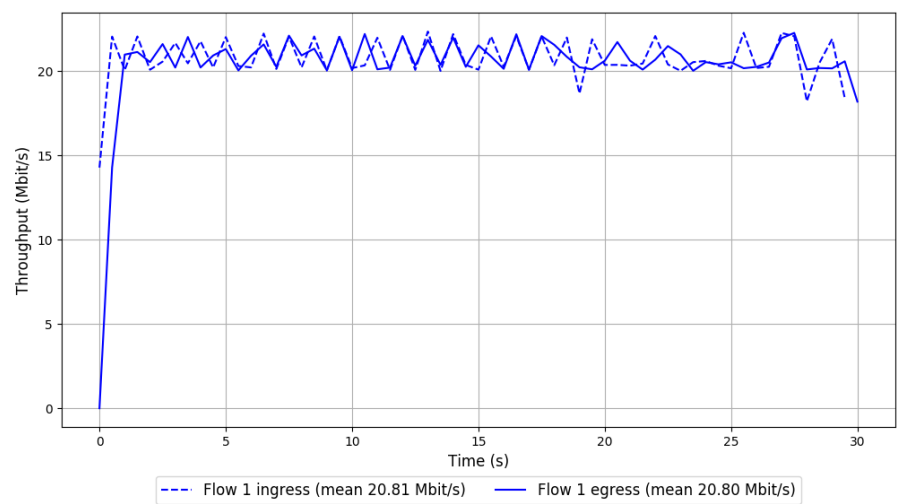


Run 5: Statistics of Sprout

Start at: 2018-07-04 04:13:24
End at: 2018-07-04 04:13:54
Local clock offset: 0.624 ms
Remote clock offset: -10.503 ms

Below is generated by plot.py at 2018-07-04 06:31:05
Datalink statistics
-- Total of 1 flow:
Average throughput: 20.80 Mbit/s
95th percentile per-packet one-way delay: 23.925 ms
Loss rate: 0.15%
-- Flow 1:
Average throughput: 20.80 Mbit/s
95th percentile per-packet one-way delay: 23.925 ms
Loss rate: 0.15%

Run 5: Report of Sprout — Data Link

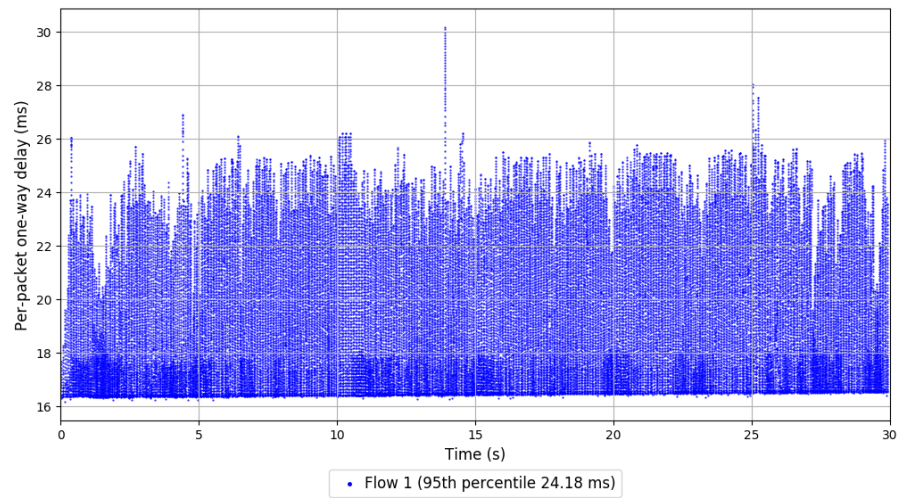
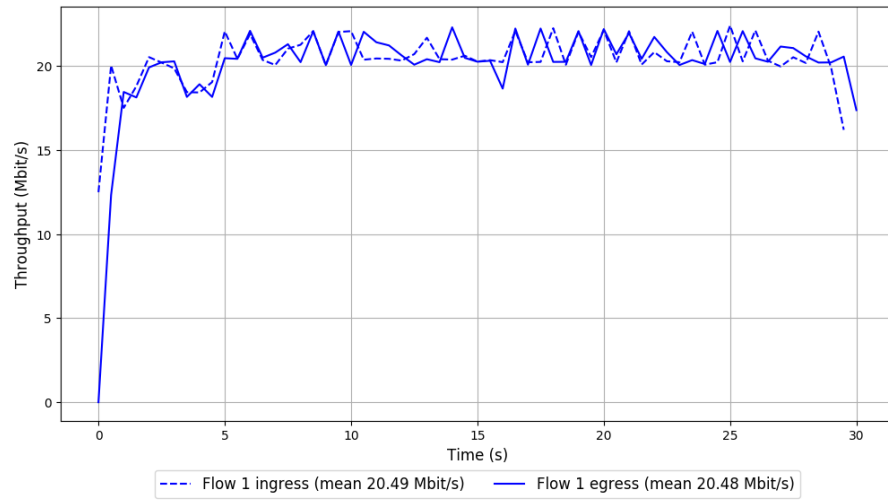


Run 6: Statistics of Sprout

Start at: 2018-07-04 04:33:37
End at: 2018-07-04 04:34:07
Local clock offset: 1.477 ms
Remote clock offset: -3.779 ms

Below is generated by plot.py at 2018-07-04 06:31:05
Datalink statistics
-- Total of 1 flow:
Average throughput: 20.48 Mbit/s
95th percentile per-packet one-way delay: 24.185 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 20.48 Mbit/s
95th percentile per-packet one-way delay: 24.185 ms
Loss rate: 0.00%

Run 6: Report of Sprout — Data Link



Run 7: Statistics of Sprout

Start at: 2018-07-04 04:53:41

End at: 2018-07-04 04:54:11

Local clock offset: 1.907 ms

Remote clock offset: 0.718 ms

Below is generated by plot.py at 2018-07-04 06:31:05

Datalink statistics

-- Total of 1 flow:

Average throughput: 20.18 Mbit/s

95th percentile per-packet one-way delay: 23.994 ms

Loss rate: 0.15%

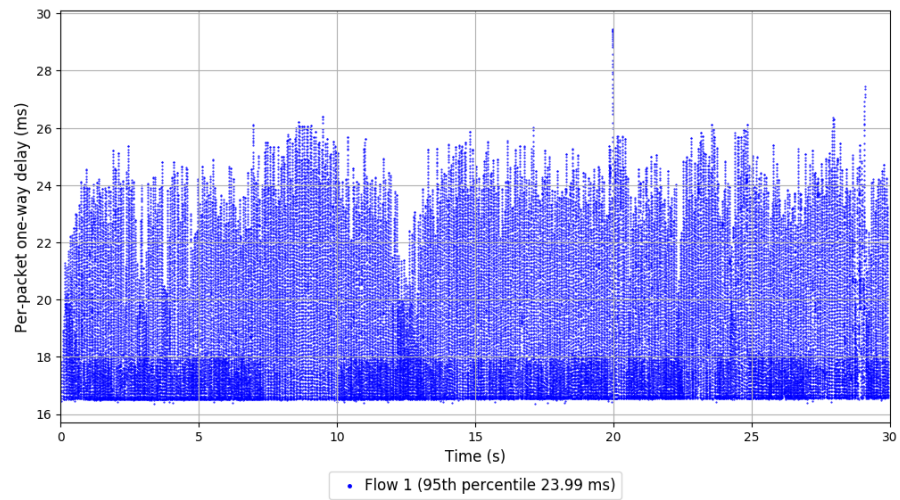
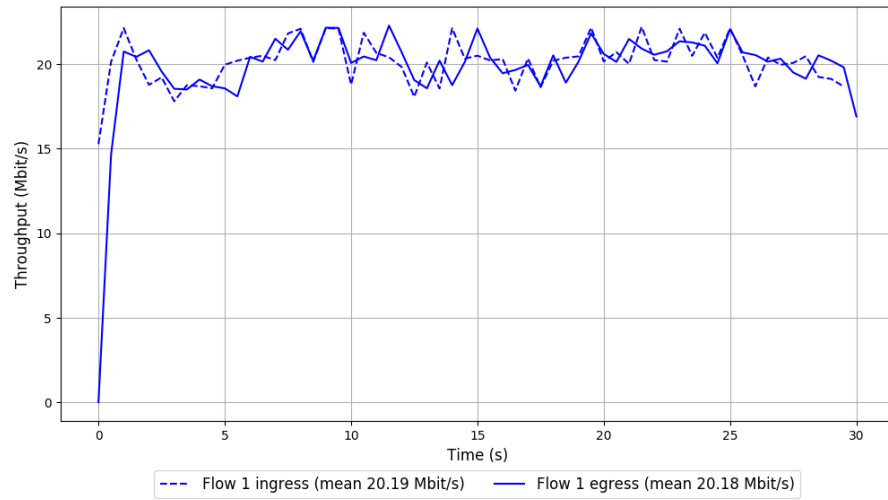
-- Flow 1:

Average throughput: 20.18 Mbit/s

95th percentile per-packet one-way delay: 23.994 ms

Loss rate: 0.15%

Run 7: Report of Sprout — Data Link



Run 8: Statistics of Sprout

Start at: 2018-07-04 05:13:42

End at: 2018-07-04 05:14:12

Local clock offset: -0.34 ms

Remote clock offset: 0.217 ms

Below is generated by plot.py at 2018-07-04 06:31:05

Datalink statistics

-- Total of 1 flow:

Average throughput: 20.35 Mbit/s

95th percentile per-packet one-way delay: 21.368 ms

Loss rate: 0.15%

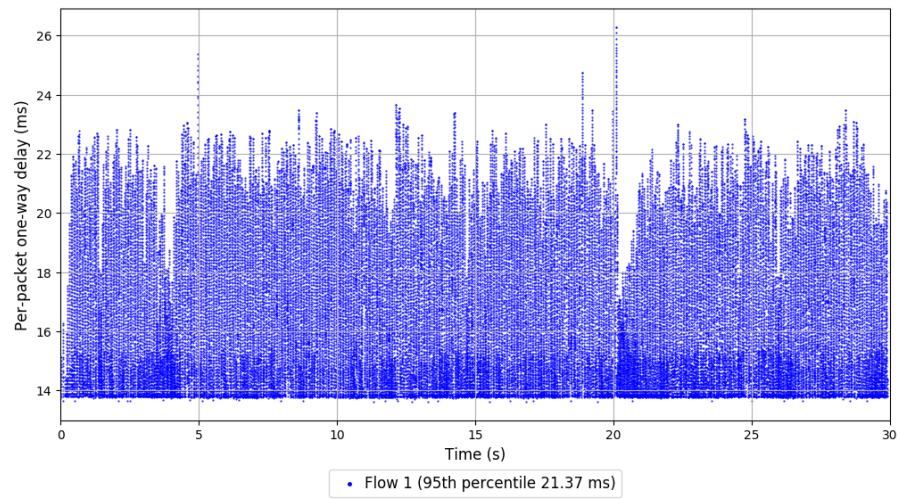
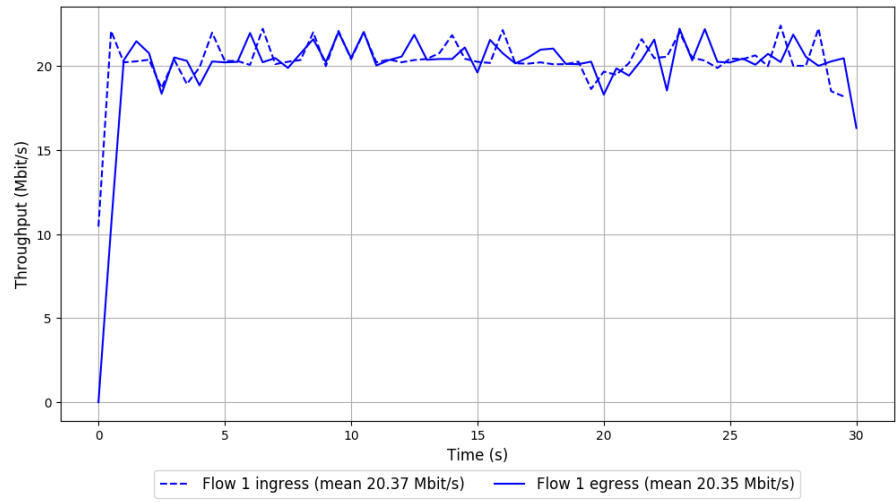
-- Flow 1:

Average throughput: 20.35 Mbit/s

95th percentile per-packet one-way delay: 21.368 ms

Loss rate: 0.15%

Run 8: Report of Sprout — Data Link

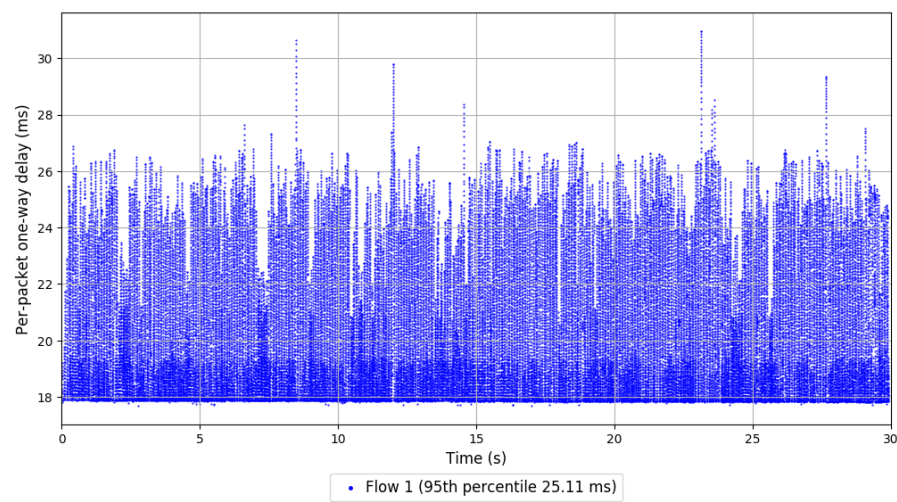
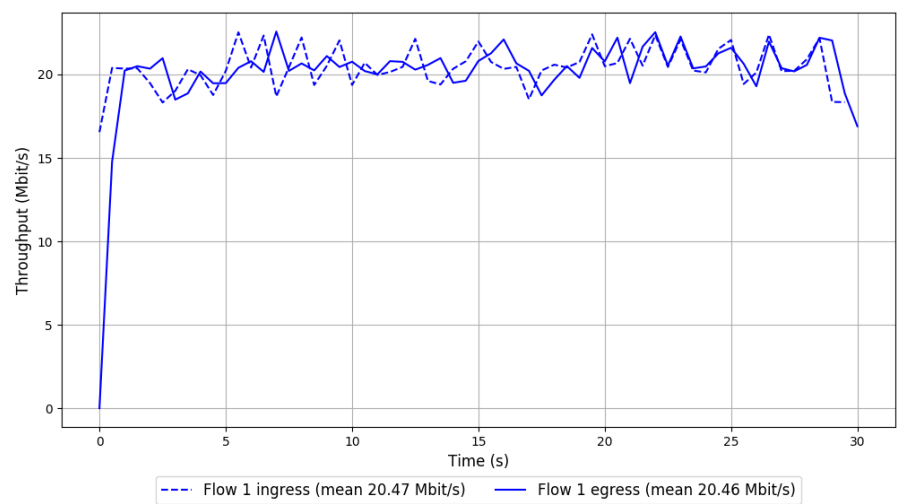


Run 9: Statistics of Sprout

Start at: 2018-07-04 05:33:48
End at: 2018-07-04 05:34:18
Local clock offset: 3.044 ms
Remote clock offset: -0.079 ms

Below is generated by plot.py at 2018-07-04 06:31:05
Datalink statistics
-- Total of 1 flow:
Average throughput: 20.46 Mbit/s
95th percentile per-packet one-way delay: 25.111 ms
Loss rate: 0.12%
-- Flow 1:
Average throughput: 20.46 Mbit/s
95th percentile per-packet one-way delay: 25.111 ms
Loss rate: 0.12%

Run 9: Report of Sprout — Data Link

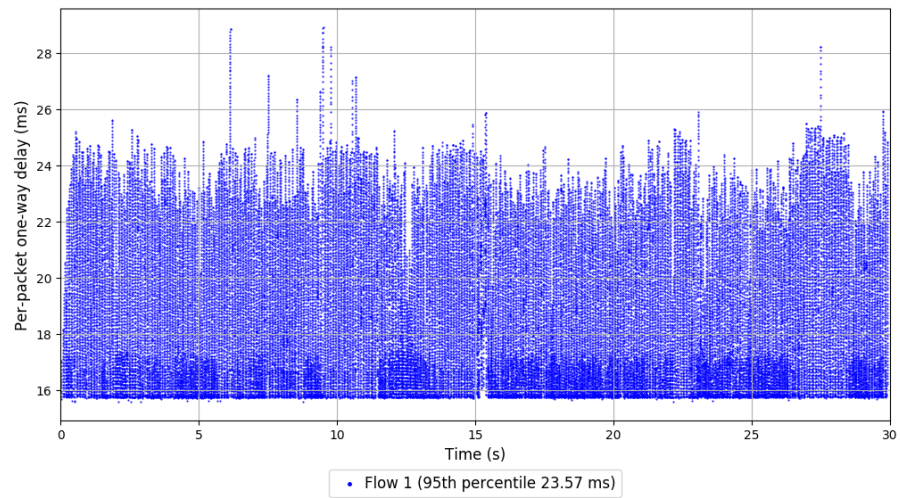
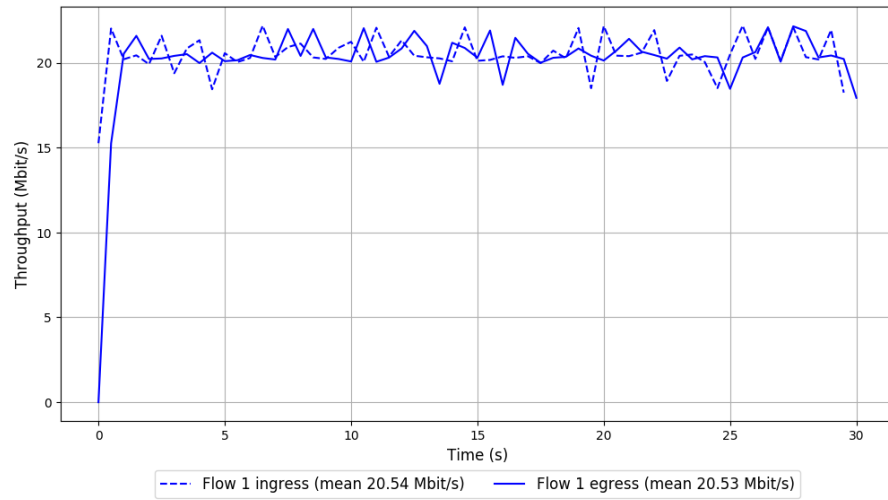


Run 10: Statistics of Sprout

Start at: 2018-07-04 05:54:17
End at: 2018-07-04 05:54:47
Local clock offset: -0.215 ms
Remote clock offset: -1.686 ms

Below is generated by plot.py at 2018-07-04 06:31:05
Datalink statistics
-- Total of 1 flow:
Average throughput: 20.53 Mbit/s
95th percentile per-packet one-way delay: 23.573 ms
Loss rate: 0.16%
-- Flow 1:
Average throughput: 20.53 Mbit/s
95th percentile per-packet one-way delay: 23.573 ms
Loss rate: 0.16%

Run 10: Report of Sprout — Data Link



Run 1: Statistics of TaoVA-100x

Start at: 2018-07-04 03:04:10

End at: 2018-07-04 03:04:40

Local clock offset: 0.582 ms

Remote clock offset: -5.151 ms

Below is generated by plot.py at 2018-07-04 06:32:31

Datalink statistics

-- Total of 1 flow:

Average throughput: 81.45 Mbit/s

95th percentile per-packet one-way delay: 21.323 ms

Loss rate: 0.12%

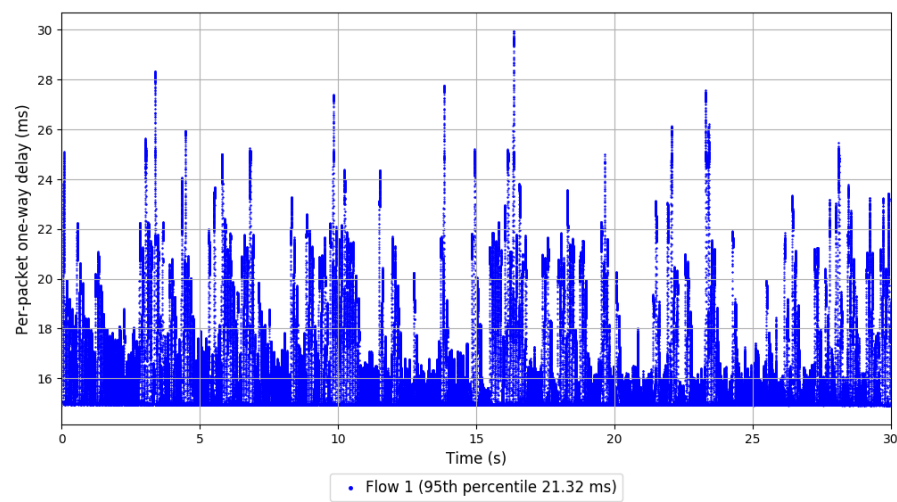
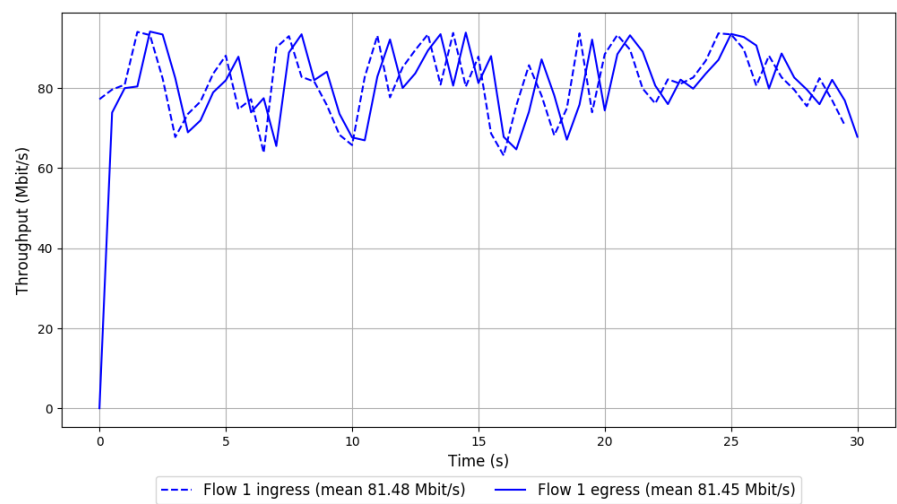
-- Flow 1:

Average throughput: 81.45 Mbit/s

95th percentile per-packet one-way delay: 21.323 ms

Loss rate: 0.12%

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

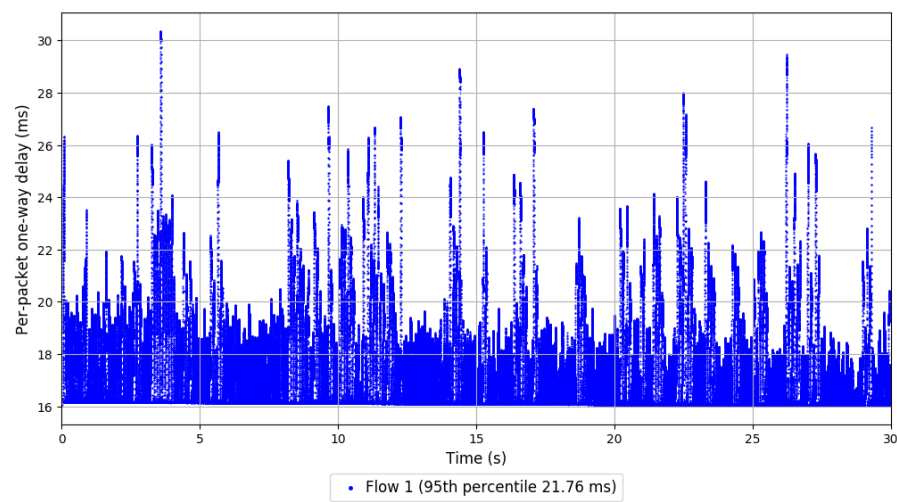
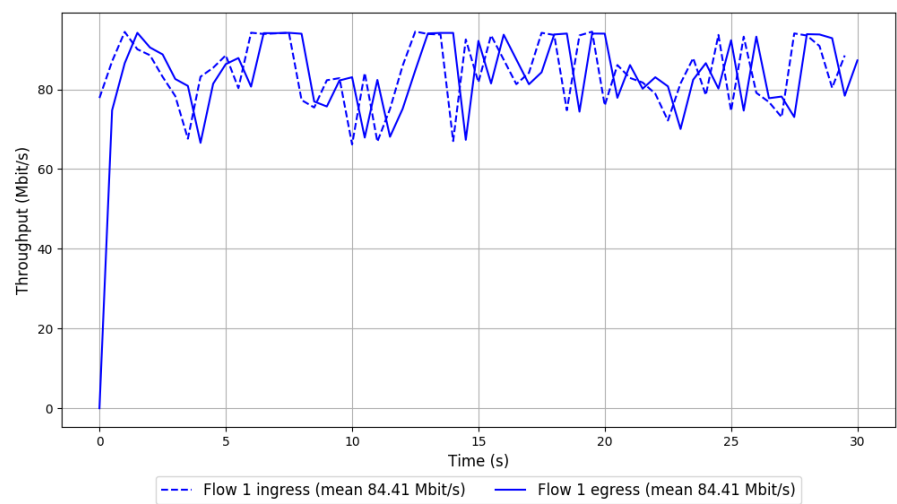


Run 2: Statistics of TaoVA-100x

Start at: 2018-07-04 03:24:31
End at: 2018-07-04 03:25:01
Local clock offset: 1.825 ms
Remote clock offset: -9.653 ms

Below is generated by plot.py at 2018-07-04 06:32:38
Datalink statistics
-- Total of 1 flow:
Average throughput: 84.41 Mbit/s
95th percentile per-packet one-way delay: 21.763 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 84.41 Mbit/s
95th percentile per-packet one-way delay: 21.763 ms
Loss rate: 0.08%

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

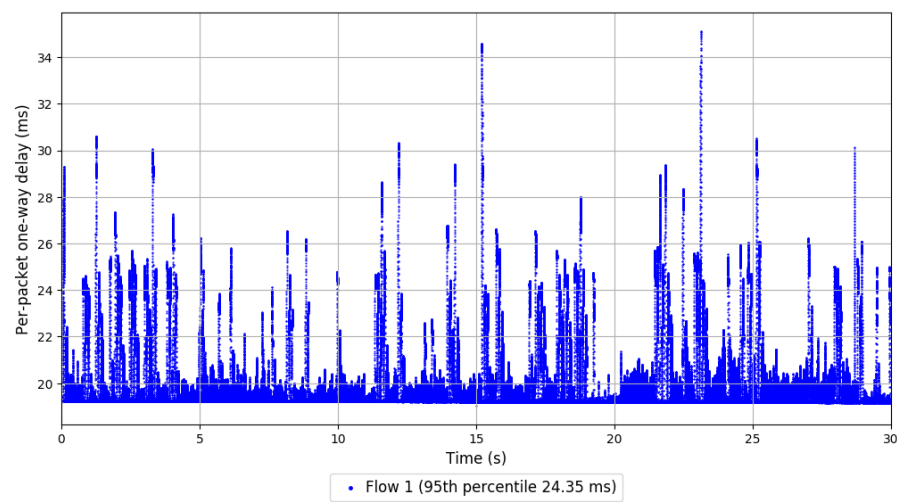
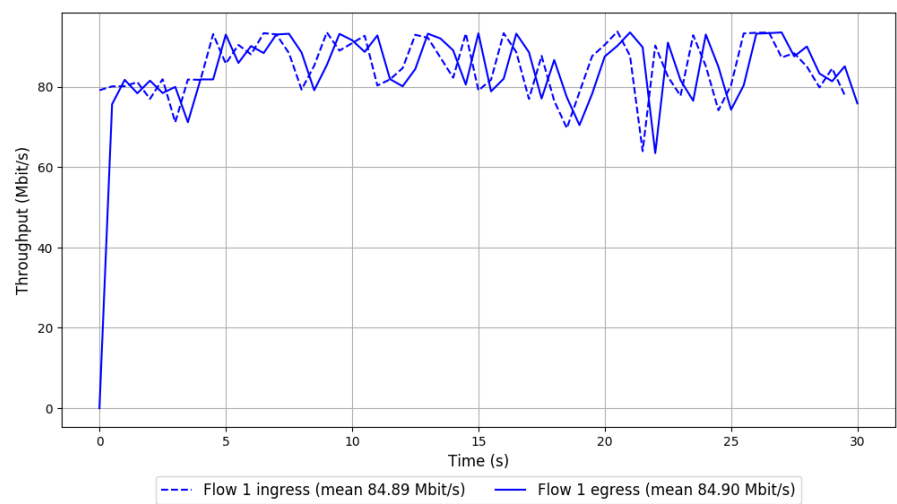


Run 3: Statistics of TaoVA-100x

Start at: 2018-07-04 03:44:48
End at: 2018-07-04 03:45:18
Local clock offset: 3.662 ms
Remote clock offset: -14.739 ms

Below is generated by plot.py at 2018-07-04 06:32:39
Datalink statistics
-- Total of 1 flow:
Average throughput: 84.90 Mbit/s
95th percentile per-packet one-way delay: 24.351 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 84.90 Mbit/s
95th percentile per-packet one-way delay: 24.351 ms
Loss rate: 0.07%

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

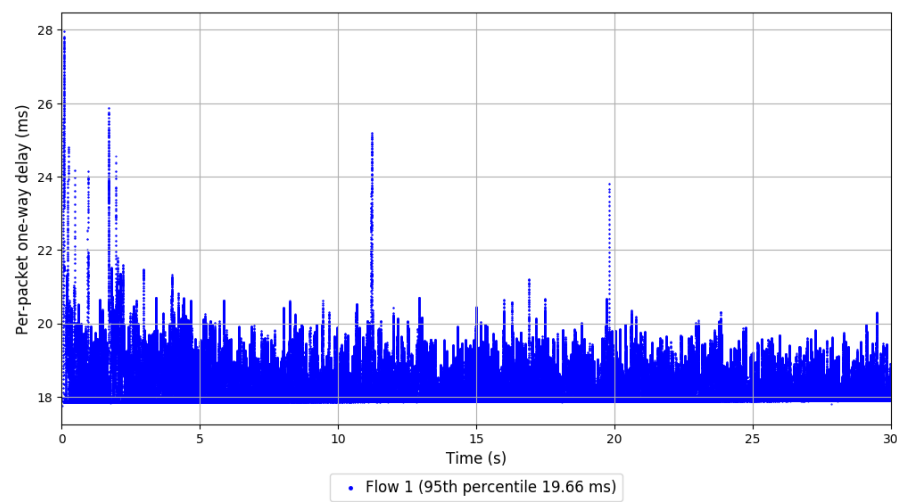
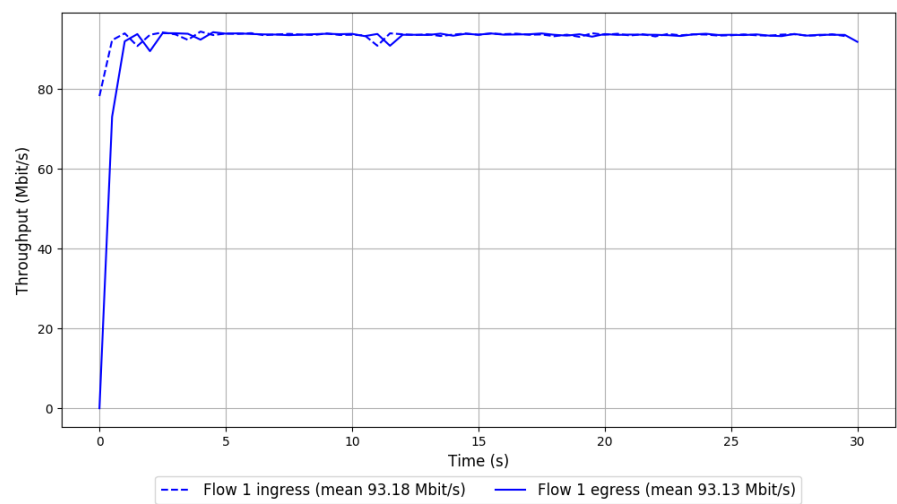


Run 4: Statistics of TaoVA-100x

Start at: 2018-07-04 04:04:52
End at: 2018-07-04 04:05:22
Local clock offset: 2.932 ms
Remote clock offset: -10.517 ms

Below is generated by plot.py at 2018-07-04 06:32:47
Datalink statistics
-- Total of 1 flow:
Average throughput: 93.13 Mbit/s
95th percentile per-packet one-way delay: 19.662 ms
Loss rate: 0.14%
-- Flow 1:
Average throughput: 93.13 Mbit/s
95th percentile per-packet one-way delay: 19.662 ms
Loss rate: 0.14%

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



Run 5: Statistics of TaoVA-100x

Start at: 2018-07-04 04:24:59

End at: 2018-07-04 04:25:29

Local clock offset: -2.541 ms

Remote clock offset: -9.071 ms

Below is generated by plot.py at 2018-07-04 06:32:49

Datalink statistics

-- Total of 1 flow:

Average throughput: 92.31 Mbit/s

95th percentile per-packet one-way delay: 14.082 ms

Loss rate: 0.09%

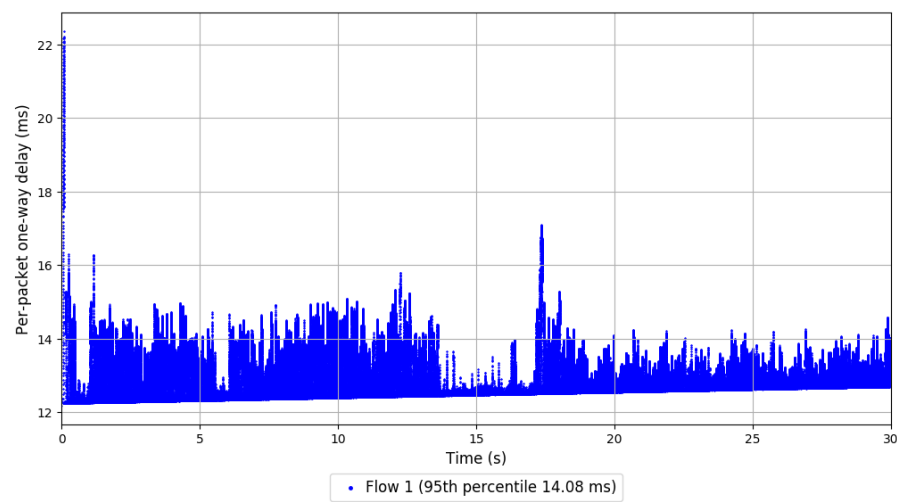
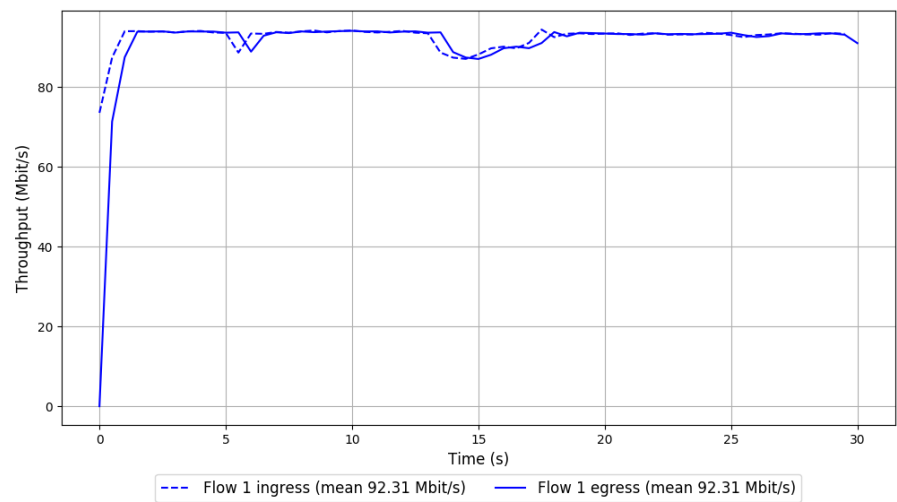
-- Flow 1:

Average throughput: 92.31 Mbit/s

95th percentile per-packet one-way delay: 14.082 ms

Loss rate: 0.09%

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



Run 6: Statistics of TaoVA-100x

Start at: 2018-07-04 04:45:14

End at: 2018-07-04 04:45:44

Local clock offset: 3.494 ms

Remote clock offset: -1.185 ms

Below is generated by plot.py at 2018-07-04 06:32:56

Datalink statistics

-- Total of 1 flow:

Average throughput: 89.34 Mbit/s

95th percentile per-packet one-way delay: 22.176 ms

Loss rate: 0.09%

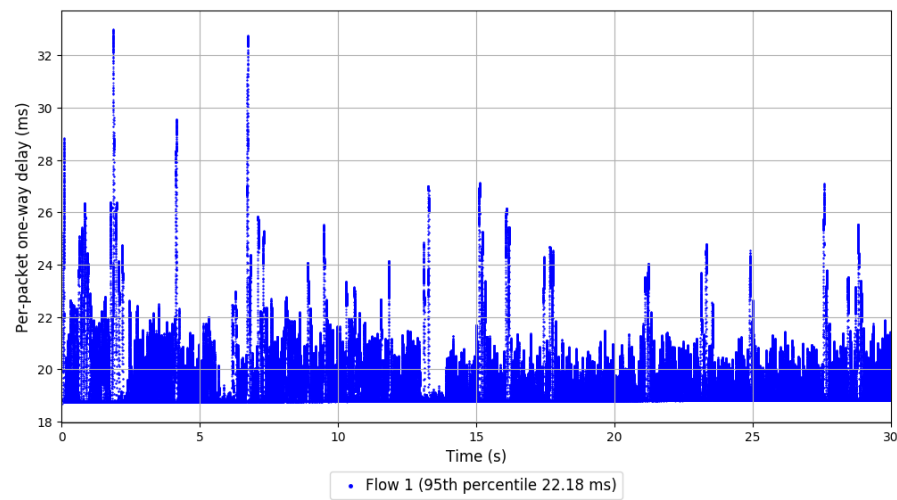
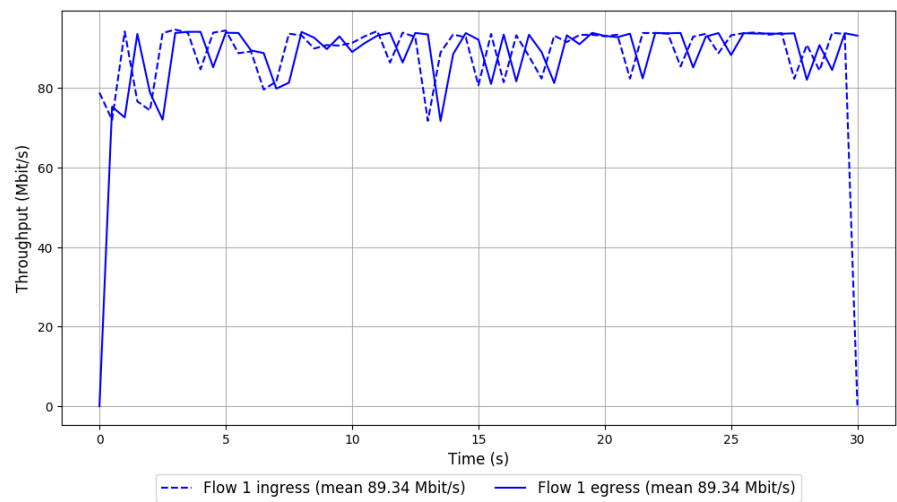
-- Flow 1:

Average throughput: 89.34 Mbit/s

95th percentile per-packet one-way delay: 22.176 ms

Loss rate: 0.09%

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



Run 7: Statistics of TaoVA-100x

Start at: 2018-07-04 05:05:11

End at: 2018-07-04 05:05:41

Local clock offset: 0.697 ms

Remote clock offset: 0.182 ms

Below is generated by plot.py at 2018-07-04 06:32:56

Datalink statistics

-- Total of 1 flow:

Average throughput: 87.97 Mbit/s

95th percentile per-packet one-way delay: 18.097 ms

Loss rate: 0.11%

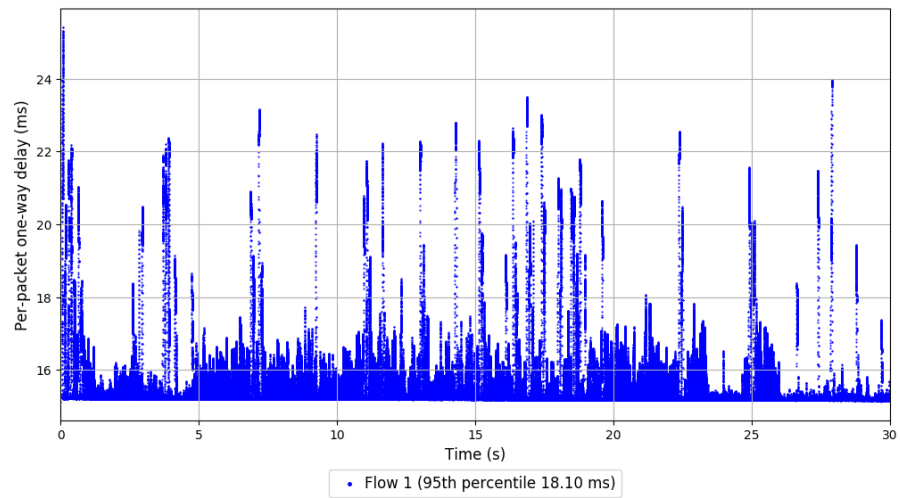
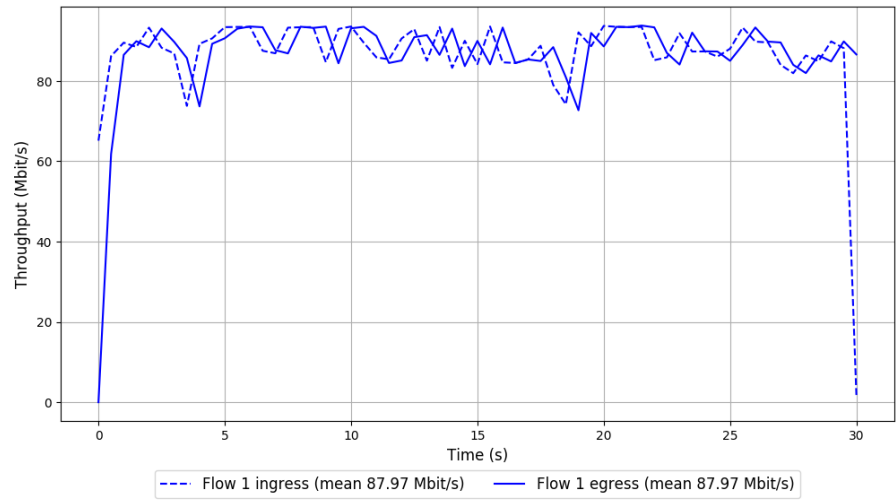
-- Flow 1:

Average throughput: 87.97 Mbit/s

95th percentile per-packet one-way delay: 18.097 ms

Loss rate: 0.11%

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



Run 8: Statistics of TaoVA-100x

Start at: 2018-07-04 05:25:17

End at: 2018-07-04 05:25:47

Local clock offset: -2.82 ms

Remote clock offset: -0.162 ms

Below is generated by plot.py at 2018-07-04 06:33:00

Datalink statistics

-- Total of 1 flow:

Average throughput: 87.92 Mbit/s

95th percentile per-packet one-way delay: 15.431 ms

Loss rate: 0.09%

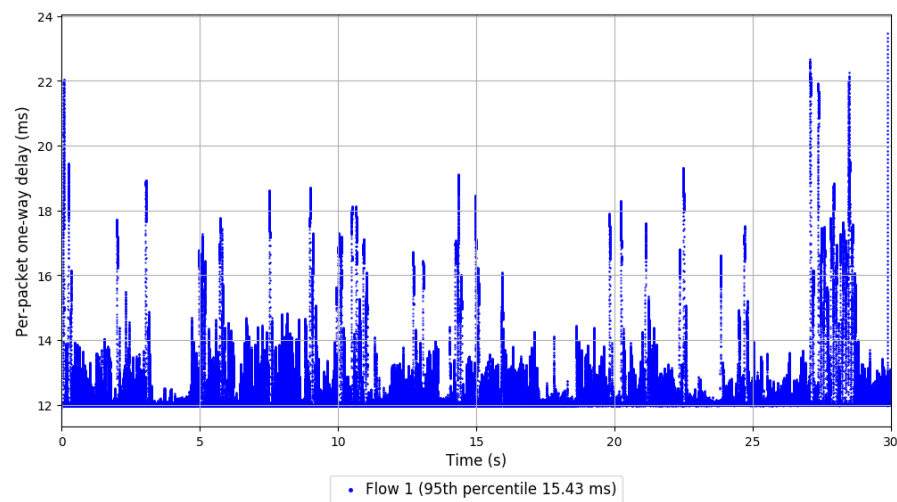
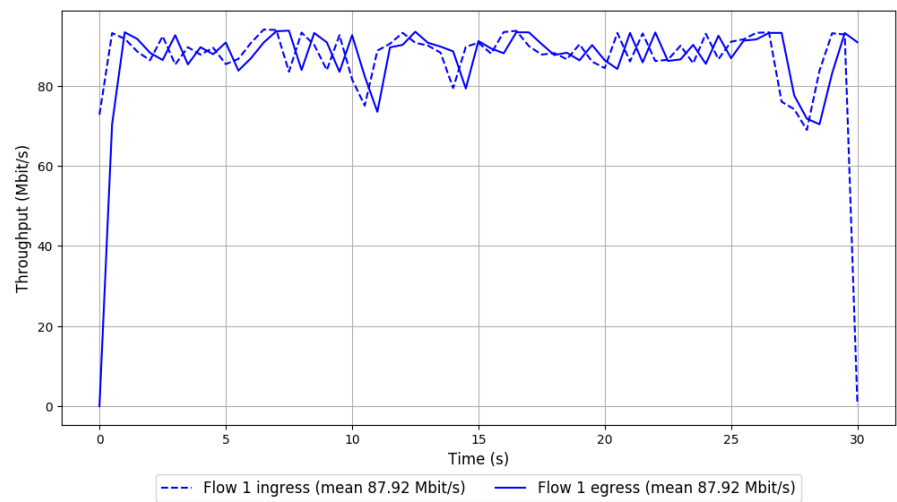
-- Flow 1:

Average throughput: 87.92 Mbit/s

95th percentile per-packet one-way delay: 15.431 ms

Loss rate: 0.09%

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



Run 9: Statistics of TaoVA-100x

Start at: 2018-07-04 05:45:42

End at: 2018-07-04 05:46:12

Local clock offset: 2.501 ms

Remote clock offset: 0.715 ms

Below is generated by plot.py at 2018-07-04 06:34:19

Datalink statistics

-- Total of 1 flow:

Average throughput: 85.08 Mbit/s

95th percentile per-packet one-way delay: 20.722 ms

Loss rate: 0.09%

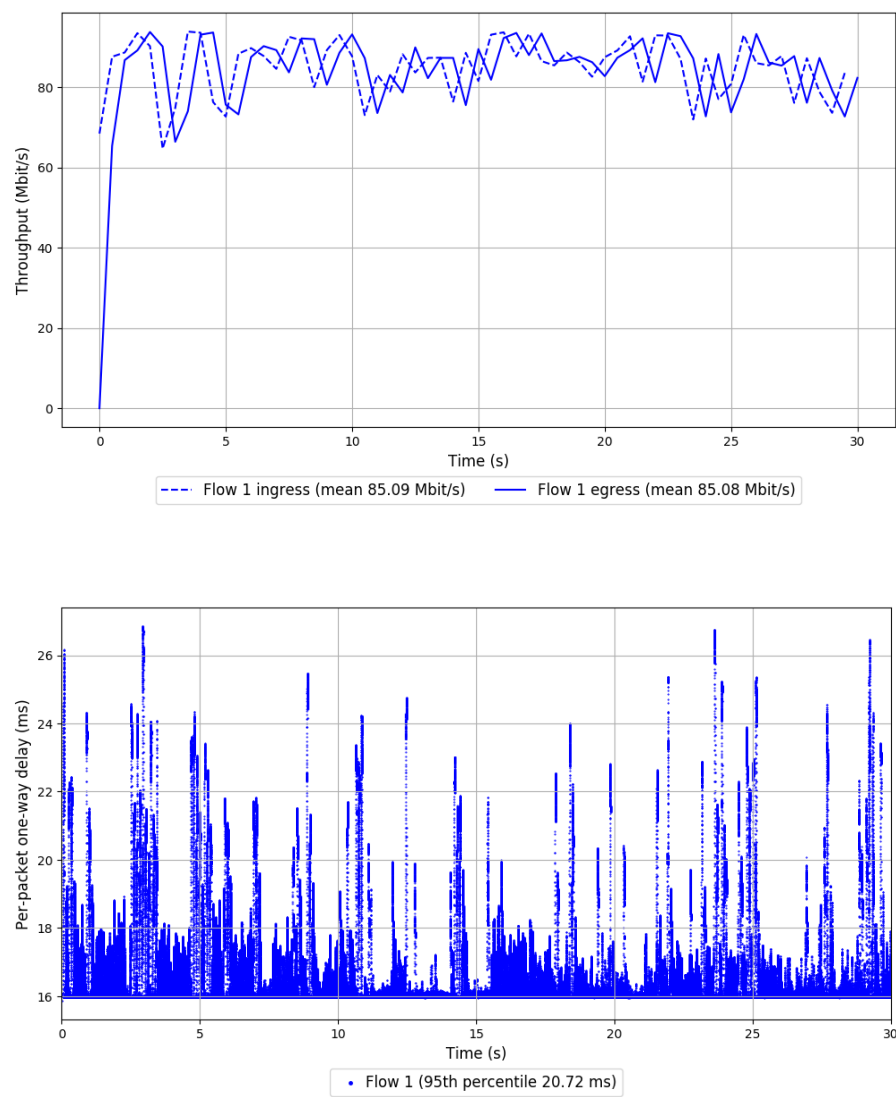
-- Flow 1:

Average throughput: 85.08 Mbit/s

95th percentile per-packet one-way delay: 20.722 ms

Loss rate: 0.09%

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



Run 10: Statistics of TaoVA-100x

Start at: 2018-07-04 06:05:55

End at: 2018-07-04 06:06:25

Local clock offset: -0.029 ms

Remote clock offset: -1.451 ms

Below is generated by plot.py at 2018-07-04 06:34:33

Datalink statistics

-- Total of 1 flow:

Average throughput: 89.60 Mbit/s

95th percentile per-packet one-way delay: 17.871 ms

Loss rate: 0.09%

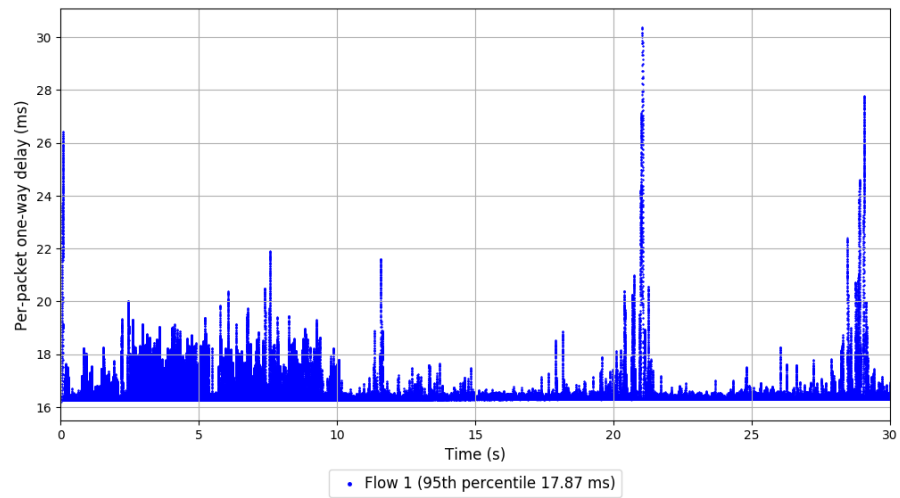
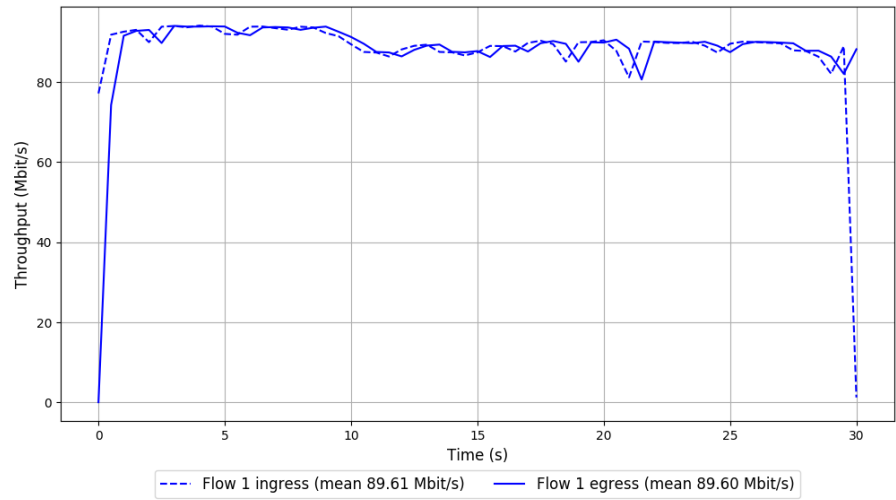
-- Flow 1:

Average throughput: 89.60 Mbit/s

95th percentile per-packet one-way delay: 17.871 ms

Loss rate: 0.09%

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



Run 1: Statistics of TCP Vegas

Start at: 2018-07-04 02:57:02

End at: 2018-07-04 02:57:32

Local clock offset: 2.437 ms

Remote clock offset: -5.274 ms

Below is generated by plot.py at 2018-07-04 06:34:33

Datalink statistics

-- Total of 1 flow:

Average throughput: 94.65 Mbit/s

95th percentile per-packet one-way delay: 23.120 ms

Loss rate: 0.09%

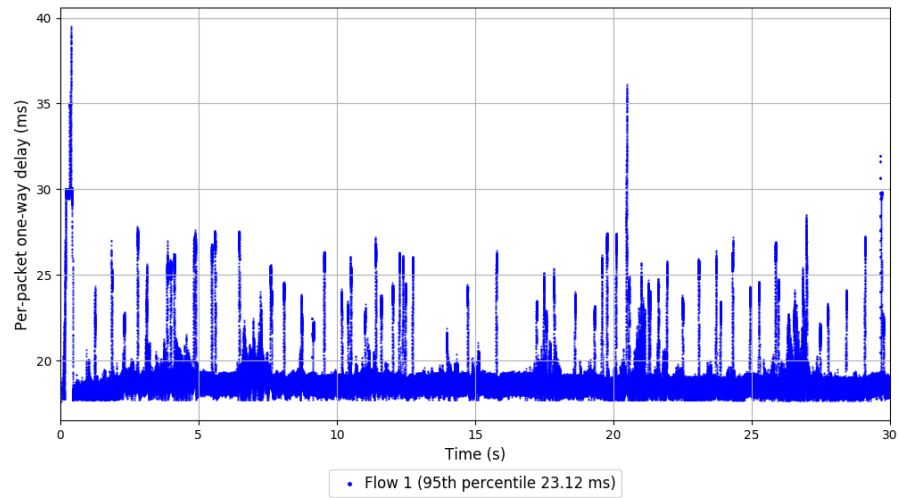
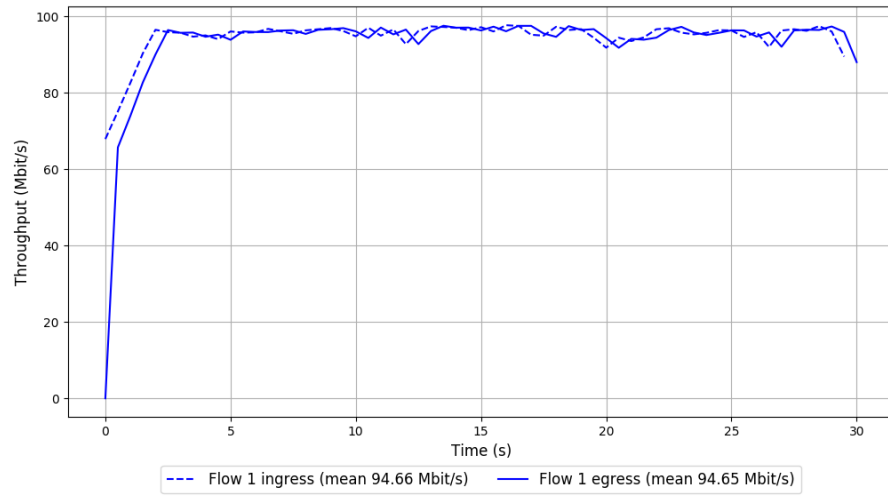
-- Flow 1:

Average throughput: 94.65 Mbit/s

95th percentile per-packet one-way delay: 23.120 ms

Loss rate: 0.09%

Run 1: Report of TCP Vegas — Data Link



Run 2: Statistics of TCP Vegas

Start at: 2018-07-04 03:17:28

End at: 2018-07-04 03:17:58

Local clock offset: 1.025 ms

Remote clock offset: -6.83 ms

Below is generated by plot.py at 2018-07-04 06:34:33

Datalink statistics

-- Total of 1 flow:

Average throughput: 90.65 Mbit/s

95th percentile per-packet one-way delay: 21.045 ms

Loss rate: 0.07%

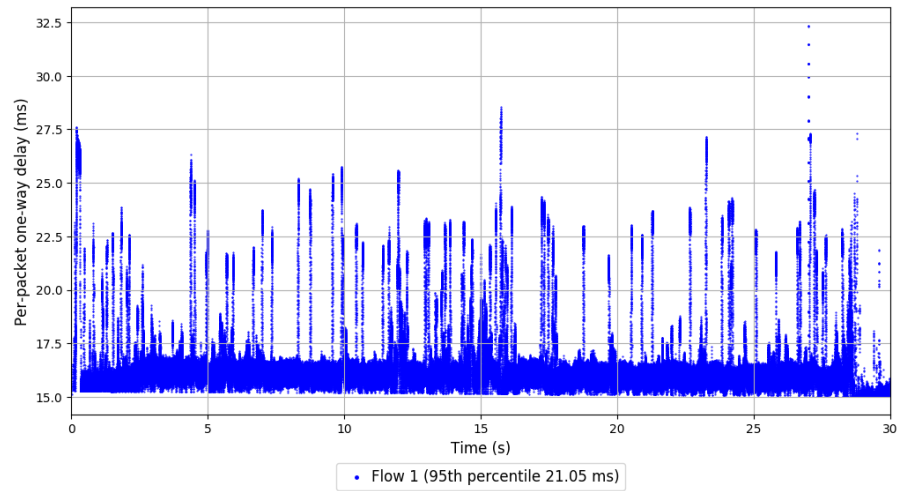
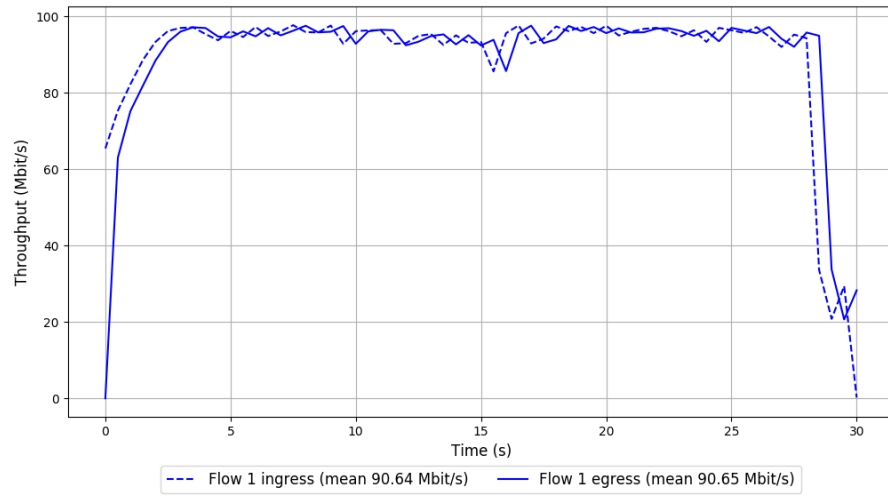
-- Flow 1:

Average throughput: 90.65 Mbit/s

95th percentile per-packet one-way delay: 21.045 ms

Loss rate: 0.07%

Run 2: Report of TCP Vegas — Data Link

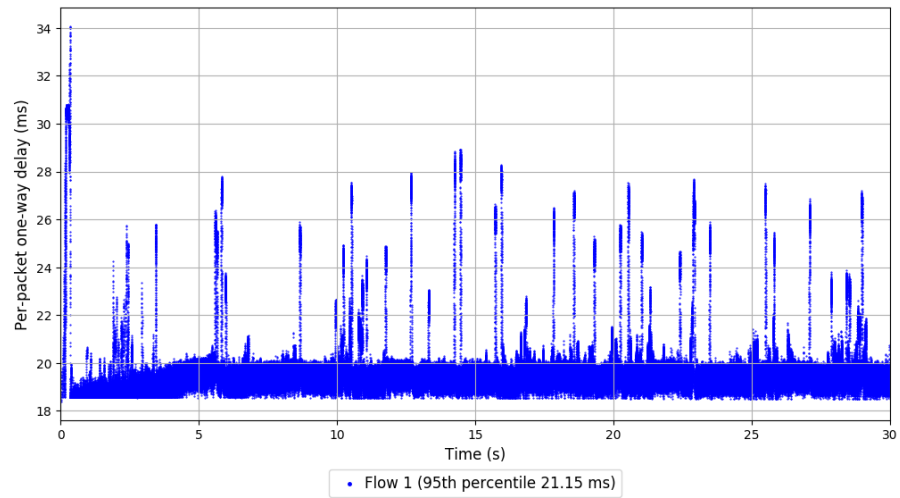
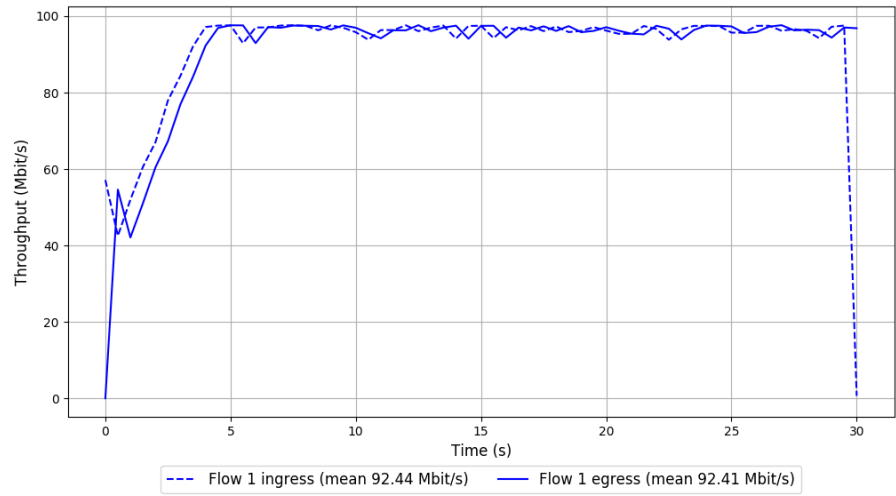


Run 3: Statistics of TCP Vegas

Start at: 2018-07-04 03:37:38
End at: 2018-07-04 03:38:08
Local clock offset: 3.403 ms
Remote clock offset: -13.252 ms

Below is generated by plot.py at 2018-07-04 06:34:33
Datalink statistics
-- Total of 1 flow:
Average throughput: 92.41 Mbit/s
95th percentile per-packet one-way delay: 21.154 ms
Loss rate: 0.11%
-- Flow 1:
Average throughput: 92.41 Mbit/s
95th percentile per-packet one-way delay: 21.154 ms
Loss rate: 0.11%

Run 3: Report of TCP Vegas — Data Link

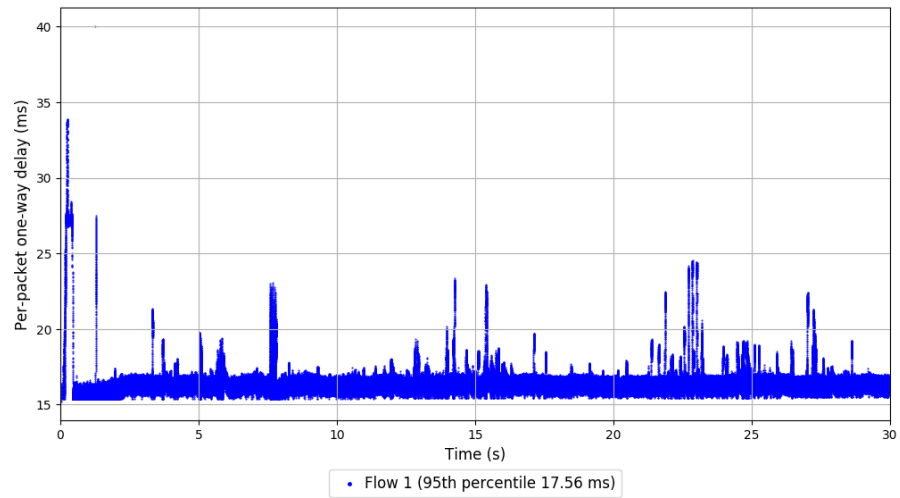
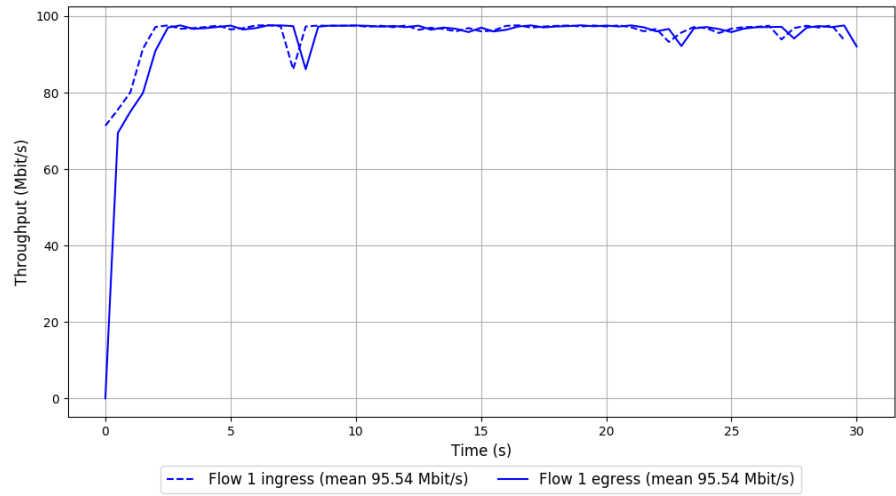


Run 4: Statistics of TCP Vegas

Start at: 2018-07-04 03:57:49
End at: 2018-07-04 03:58:19
Local clock offset: 0.113 ms
Remote clock offset: -11.973 ms

Below is generated by plot.py at 2018-07-04 06:34:33
Datalink statistics
-- Total of 1 flow:
Average throughput: 95.54 Mbit/s
95th percentile per-packet one-way delay: 17.559 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 95.54 Mbit/s
95th percentile per-packet one-way delay: 17.559 ms
Loss rate: 0.09%

Run 4: Report of TCP Vegas — Data Link

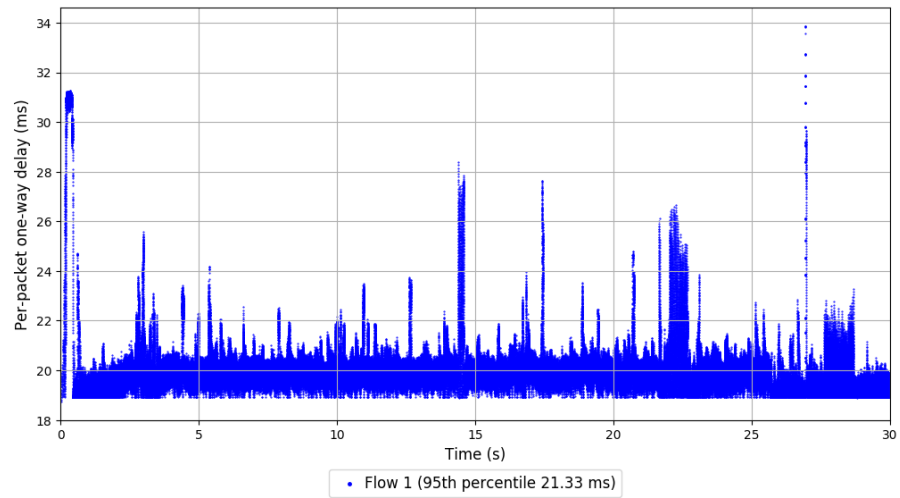
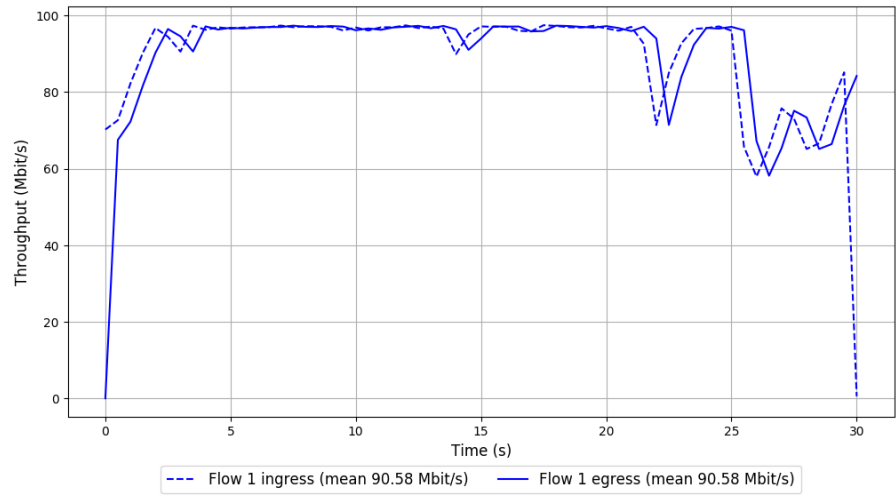


Run 5: Statistics of TCP Vegas

Start at: 2018-07-04 04:18:00
End at: 2018-07-04 04:18:30
Local clock offset: 3.398 ms
Remote clock offset: -10.606 ms

Below is generated by plot.py at 2018-07-04 06:34:33
Datalink statistics
-- Total of 1 flow:
Average throughput: 90.58 Mbit/s
95th percentile per-packet one-way delay: 21.330 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 90.58 Mbit/s
95th percentile per-packet one-way delay: 21.330 ms
Loss rate: 0.09%

Run 5: Report of TCP Vegas — Data Link

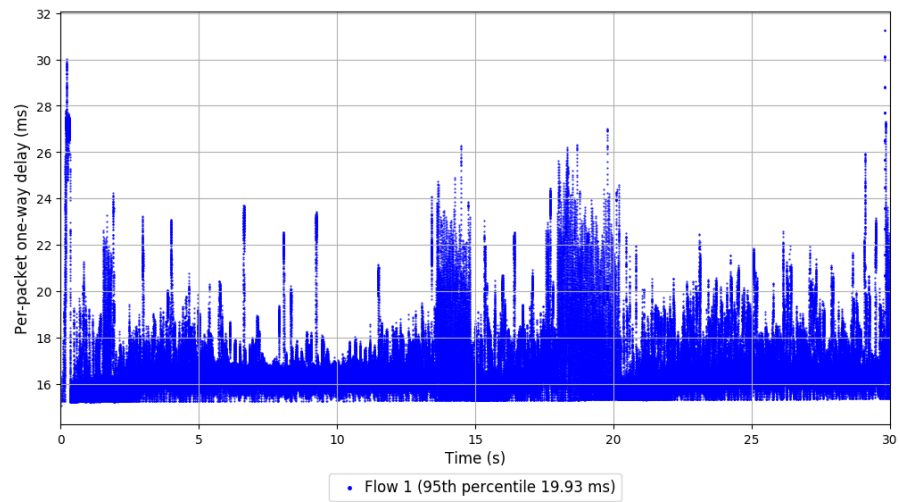
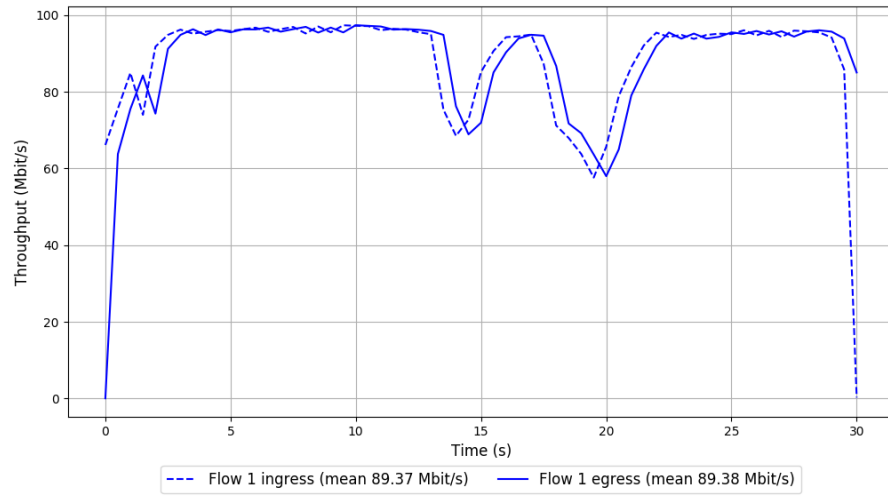


Run 6: Statistics of TCP Vegas

Start at: 2018-07-04 04:38:09
End at: 2018-07-04 04:38:39
Local clock offset: -0.19 ms
Remote clock offset: -2.834 ms

Below is generated by plot.py at 2018-07-04 06:34:33
Datalink statistics
-- Total of 1 flow:
Average throughput: 89.38 Mbit/s
95th percentile per-packet one-way delay: 19.935 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 89.38 Mbit/s
95th percentile per-packet one-way delay: 19.935 ms
Loss rate: 0.08%

Run 6: Report of TCP Vegas — Data Link



Run 7: Statistics of TCP Vegas

Start at: 2018-07-04 04:58:12

End at: 2018-07-04 04:58:42

Local clock offset: 2.604 ms

Remote clock offset: 1.384 ms

Below is generated by plot.py at 2018-07-04 06:34:45

Datalink statistics

-- Total of 1 flow:

Average throughput: 88.57 Mbit/s

95th percentile per-packet one-way delay: 21.606 ms

Loss rate: 0.10%

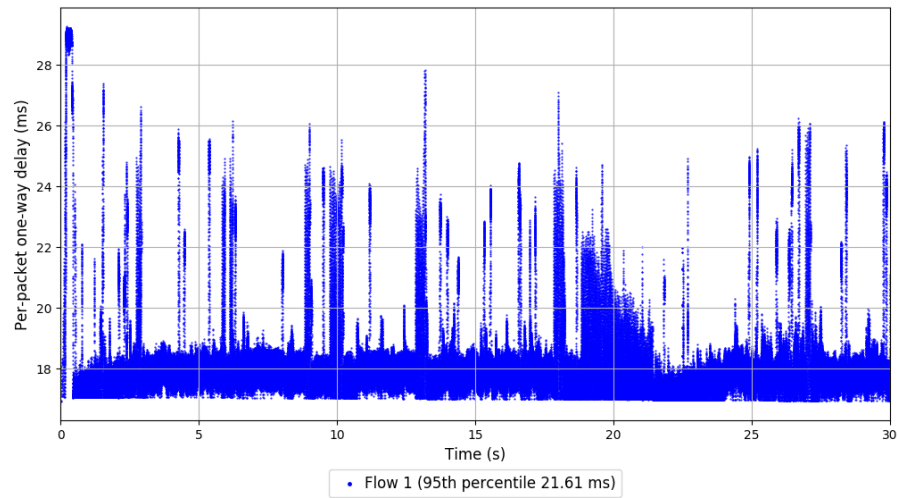
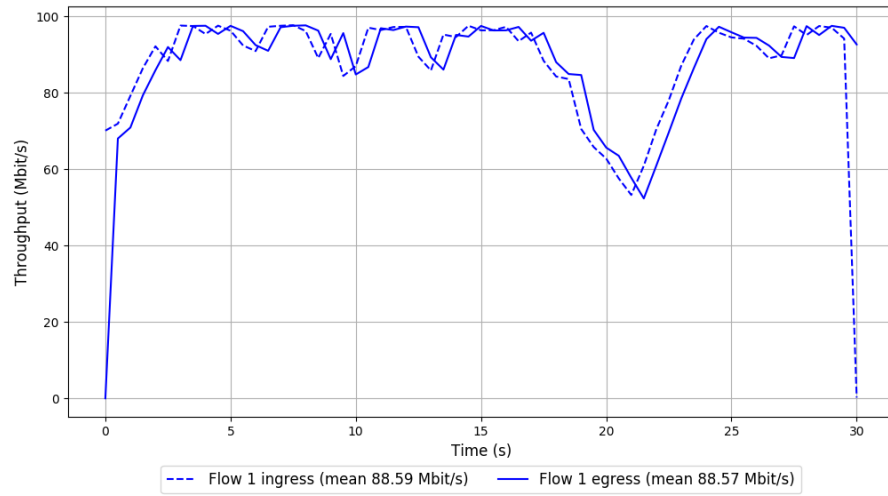
-- Flow 1:

Average throughput: 88.57 Mbit/s

95th percentile per-packet one-way delay: 21.606 ms

Loss rate: 0.10%

Run 7: Report of TCP Vegas — Data Link

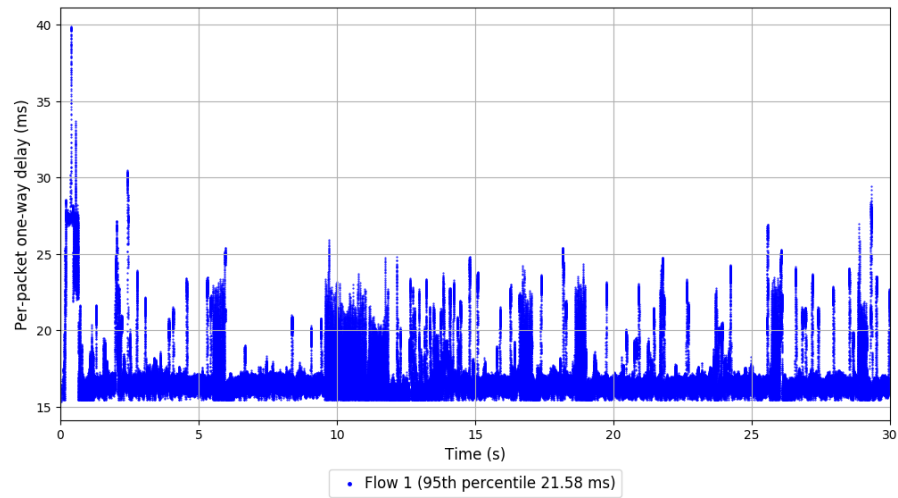
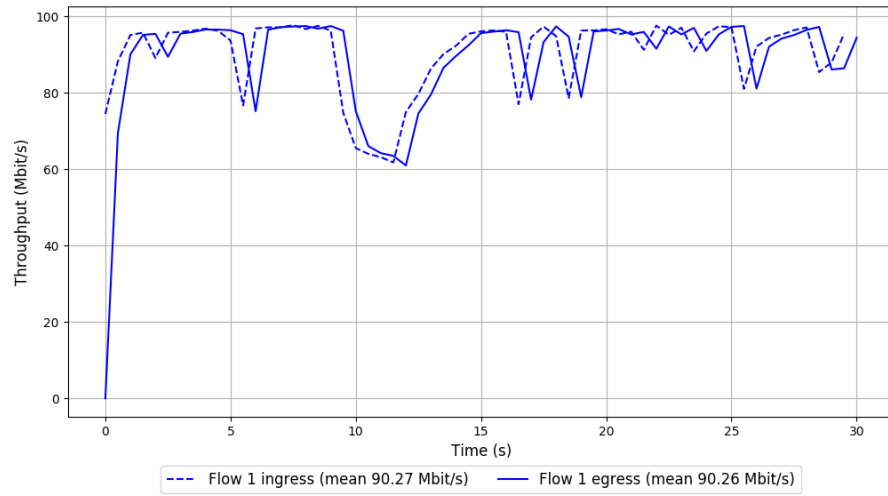


Run 8: Statistics of TCP Vegas

Start at: 2018-07-04 05:18:15
End at: 2018-07-04 05:18:45
Local clock offset: 0.171 ms
Remote clock offset: -0.907 ms

Below is generated by plot.py at 2018-07-04 06:34:56
Datalink statistics
-- Total of 1 flow:
Average throughput: 90.26 Mbit/s
95th percentile per-packet one-way delay: 21.583 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 90.26 Mbit/s
95th percentile per-packet one-way delay: 21.583 ms
Loss rate: 0.09%

Run 8: Report of TCP Vegas — Data Link

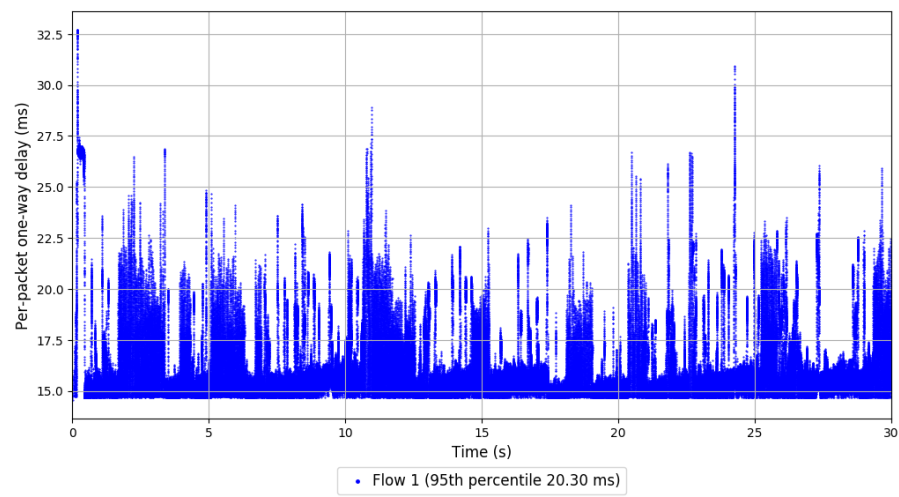
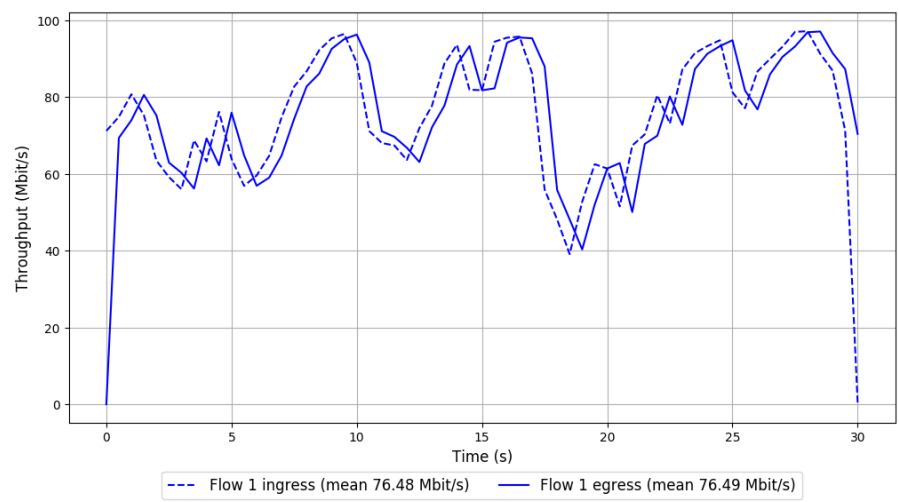


Run 9: Statistics of TCP Vegas

Start at: 2018-07-04 05:38:35
End at: 2018-07-04 05:39:05
Local clock offset: -0.732 ms
Remote clock offset: -1.046 ms

Below is generated by plot.py at 2018-07-04 06:34:56
Datalink statistics
-- Total of 1 flow:
Average throughput: 76.49 Mbit/s
95th percentile per-packet one-way delay: 20.305 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 76.49 Mbit/s
95th percentile per-packet one-way delay: 20.305 ms
Loss rate: 0.08%

Run 9: Report of TCP Vegas — Data Link

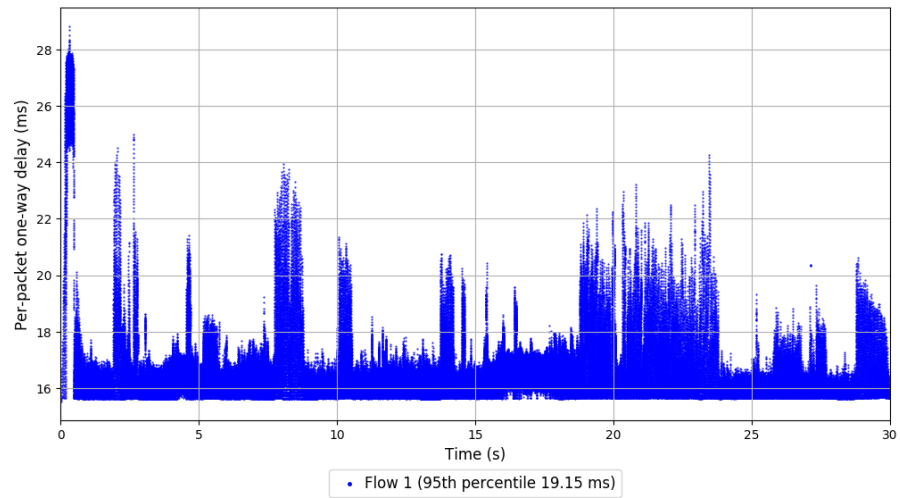
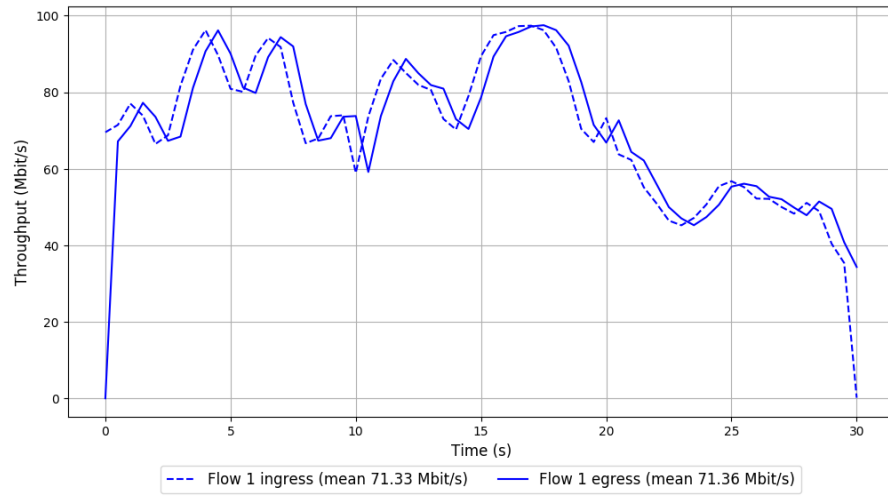


Run 10: Statistics of TCP Vegas

Start at: 2018-07-04 05:58:59
End at: 2018-07-04 05:59:29
Local clock offset: 0.084 ms
Remote clock offset: -1.159 ms

Below is generated by plot.py at 2018-07-04 06:34:56
Datalink statistics
-- Total of 1 flow:
Average throughput: 71.36 Mbit/s
95th percentile per-packet one-way delay: 19.149 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 71.36 Mbit/s
95th percentile per-packet one-way delay: 19.149 ms
Loss rate: 0.05%

Run 10: Report of TCP Vegas — Data Link

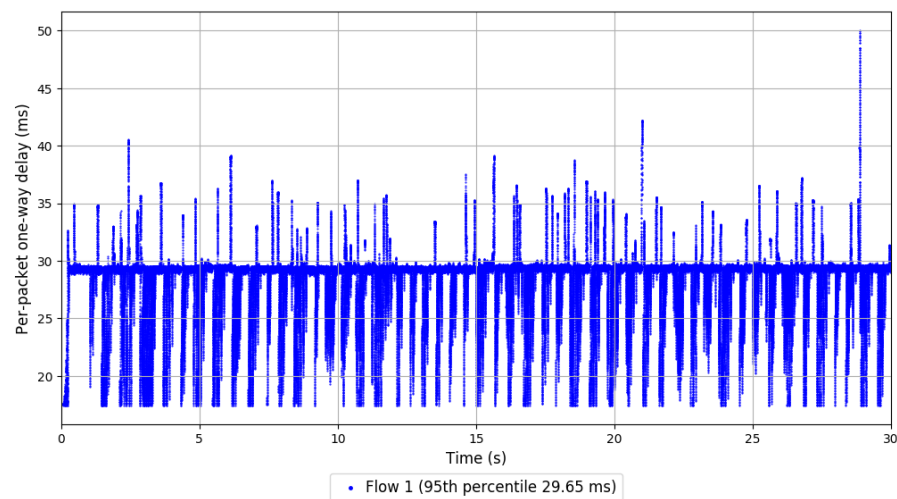
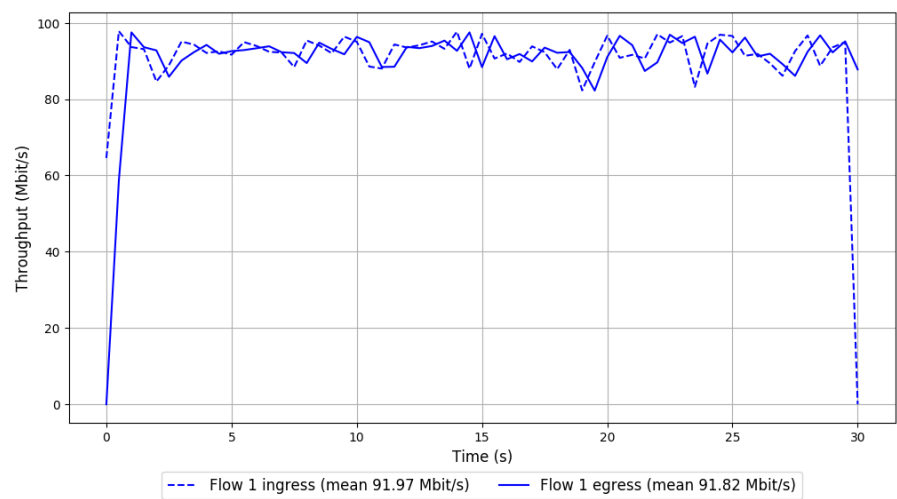


Run 1: Statistics of Verus

Start at: 2018-07-04 03:09:05
End at: 2018-07-04 03:09:35
Local clock offset: 2.589 ms
Remote clock offset: -6.007 ms

Below is generated by plot.py at 2018-07-04 06:35:09
Datalink statistics
-- Total of 1 flow:
Average throughput: 91.82 Mbit/s
95th percentile per-packet one-way delay: 29.652 ms
Loss rate: 0.27%
-- Flow 1:
Average throughput: 91.82 Mbit/s
95th percentile per-packet one-way delay: 29.652 ms
Loss rate: 0.27%

Run 1: Report of Verus — Data Link

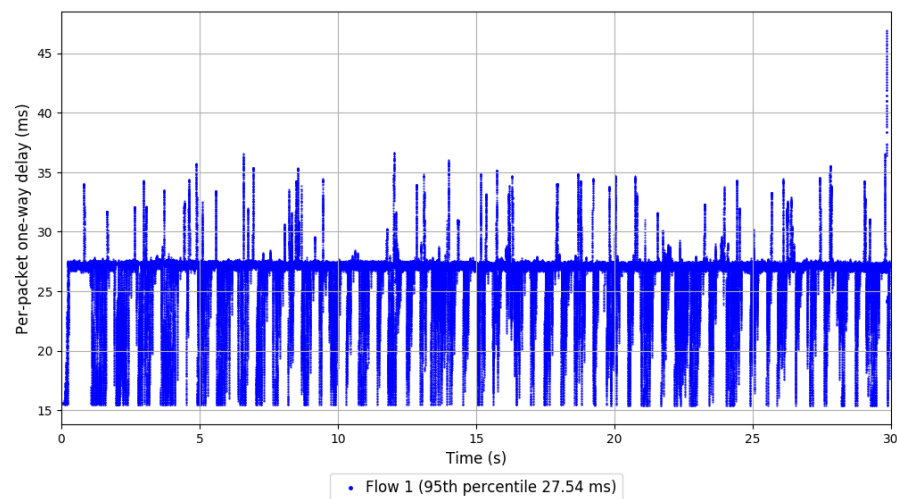
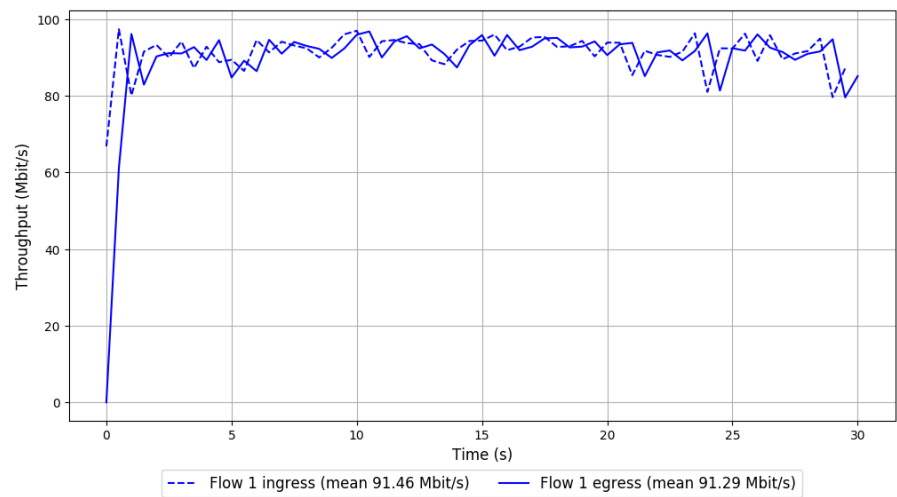


Run 2: Statistics of Verus

Start at: 2018-07-04 03:29:32
End at: 2018-07-04 03:30:02
Local clock offset: 0.711 ms
Remote clock offset: -11.401 ms

Below is generated by plot.py at 2018-07-04 06:35:11
Datalink statistics
-- Total of 1 flow:
Average throughput: 91.29 Mbit/s
95th percentile per-packet one-way delay: 27.536 ms
Loss rate: 0.29%
-- Flow 1:
Average throughput: 91.29 Mbit/s
95th percentile per-packet one-way delay: 27.536 ms
Loss rate: 0.29%

Run 2: Report of Verus — Data Link

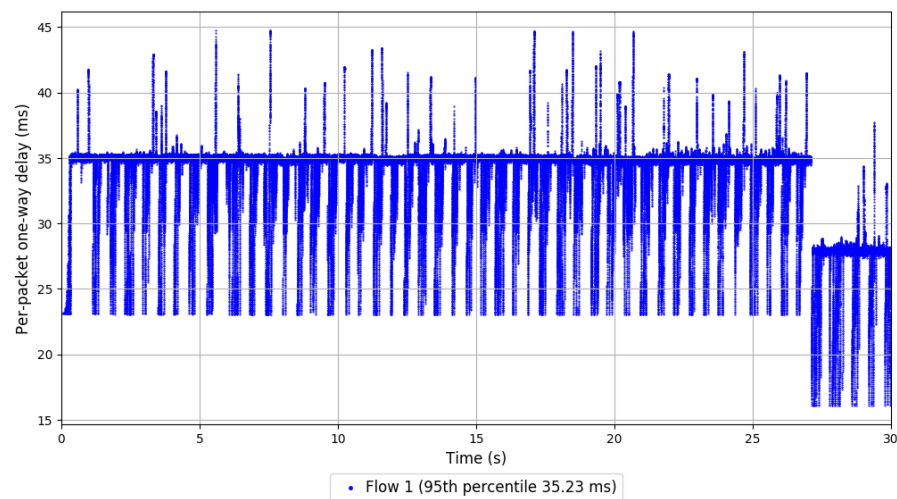
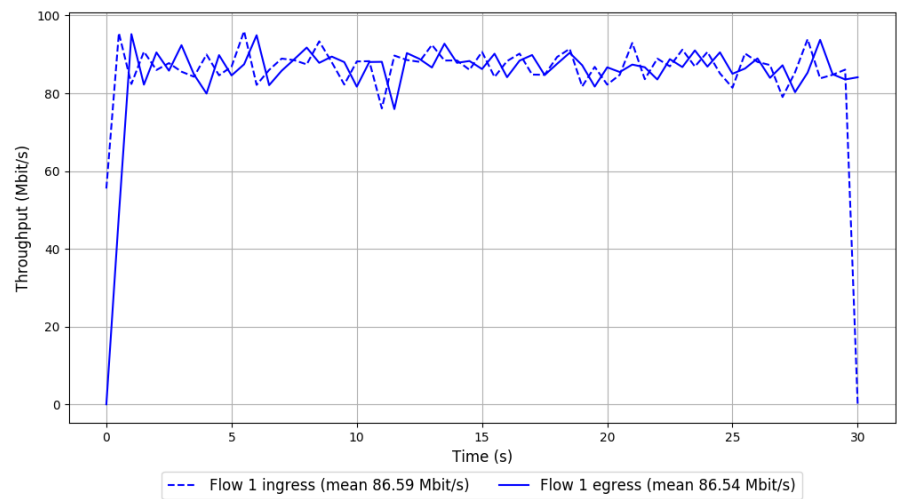


Run 3: Statistics of Verus

Start at: 2018-07-04 03:49:36
End at: 2018-07-04 03:50:06
Local clock offset: 1.05 ms
Remote clock offset: -14.91 ms

Below is generated by plot.py at 2018-07-04 06:35:24
Datalink statistics
-- Total of 1 flow:
Average throughput: 86.54 Mbit/s
95th percentile per-packet one-way delay: 35.229 ms
Loss rate: 0.30%
-- Flow 1:
Average throughput: 86.54 Mbit/s
95th percentile per-packet one-way delay: 35.229 ms
Loss rate: 0.30%

Run 3: Report of Verus — Data Link

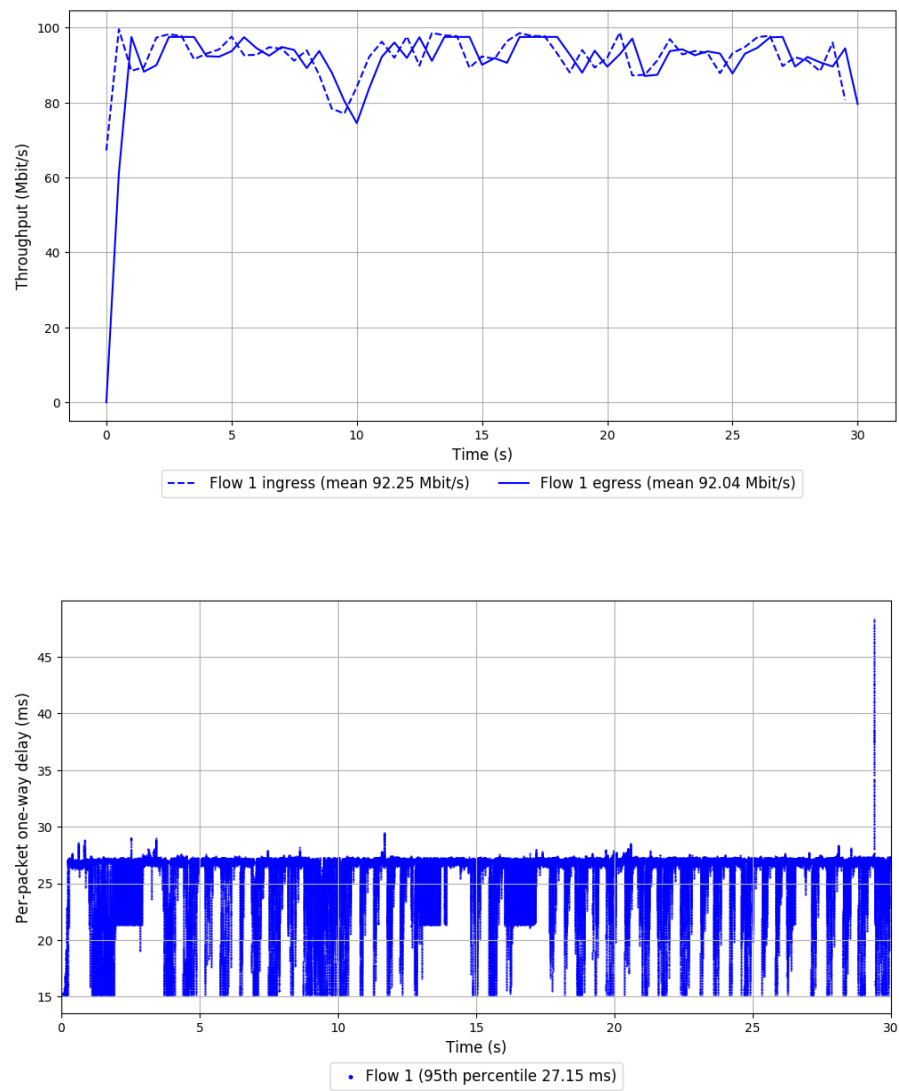


Run 4: Statistics of Verus

Start at: 2018-07-04 04:09:47
End at: 2018-07-04 04:10:17
Local clock offset: -0.104 ms
Remote clock offset: -10.556 ms

Below is generated by plot.py at 2018-07-04 06:35:43
Datalink statistics
-- Total of 1 flow:
Average throughput: 92.04 Mbit/s
95th percentile per-packet one-way delay: 27.148 ms
Loss rate: 0.30%
-- Flow 1:
Average throughput: 92.04 Mbit/s
95th percentile per-packet one-way delay: 27.148 ms
Loss rate: 0.30%

Run 4: Report of Verus — Data Link



Run 5: Statistics of Verus

Start at: 2018-07-04 04:29:54

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

Local clock offset: 2.357 ms

Remote clock offset: -5.86 ms

Below is generated by plot.py at 2018-07-04 06:35:48

Datalink statistics

-- Total of 1 flow:

Average throughput: 86.86 Mbit/s

95th percentile per-packet one-way delay: 29.777 ms

Loss rate: 0.16%

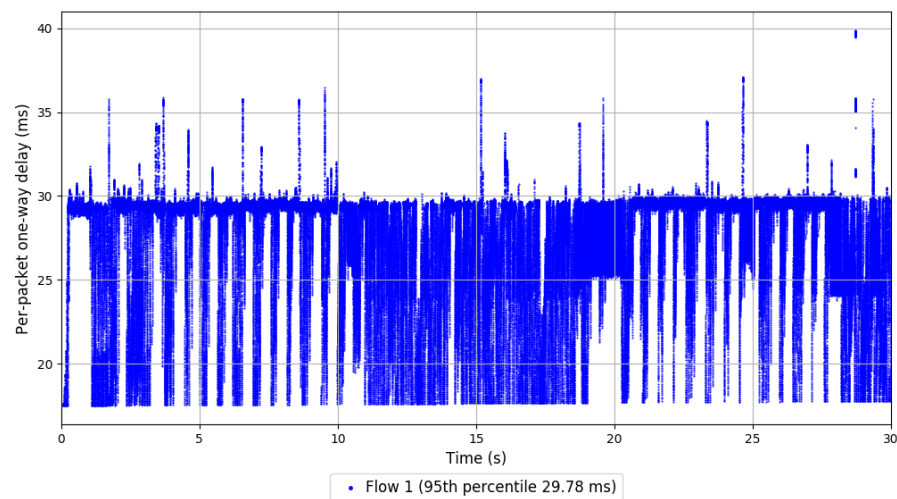
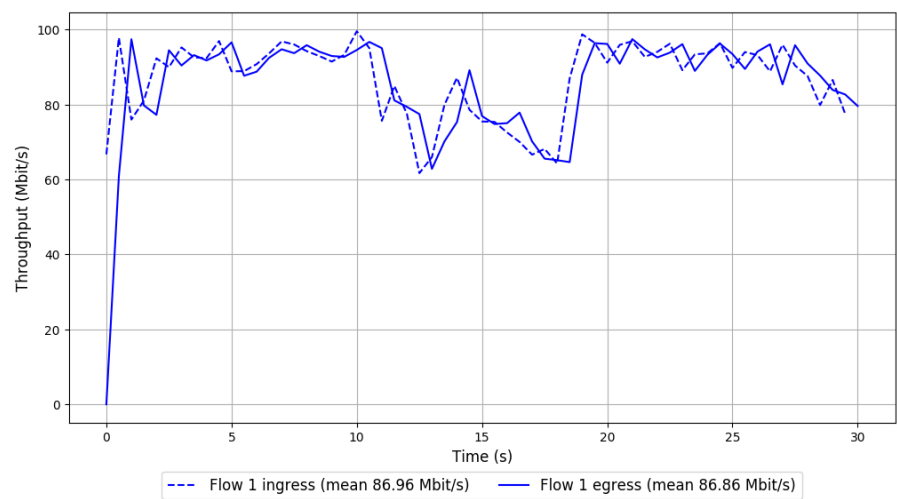
-- Flow 1:

Average throughput: 86.86 Mbit/s

95th percentile per-packet one-way delay: 29.777 ms

Loss rate: 0.16%

Run 5: Report of Verus — Data Link



Run 6: Statistics of Verus

Start at: 2018-07-04 04:50:09

End at: 2018-07-04 04:50:39

Local clock offset: 1.237 ms

Remote clock offset: 0.002 ms

Below is generated by plot.py at 2018-07-04 06:35:51

Datalink statistics

-- Total of 1 flow:

Average throughput: 89.10 Mbit/s

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

Loss rate: 0.23%

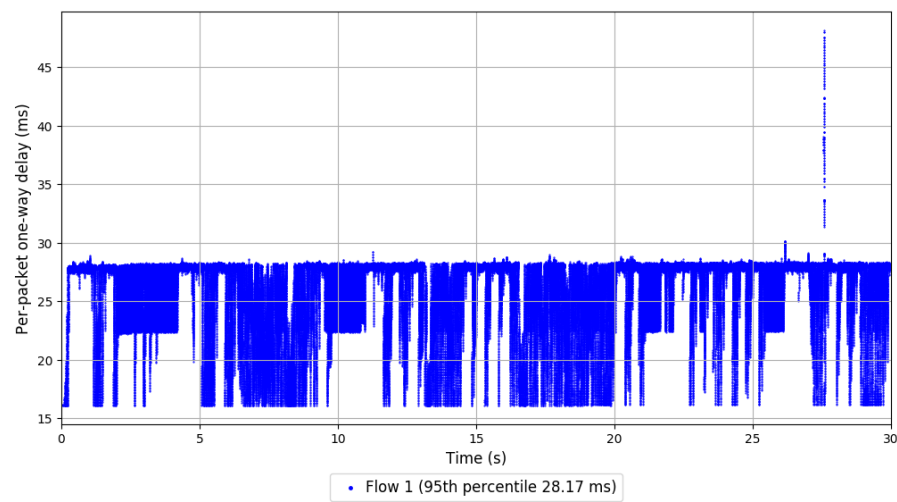
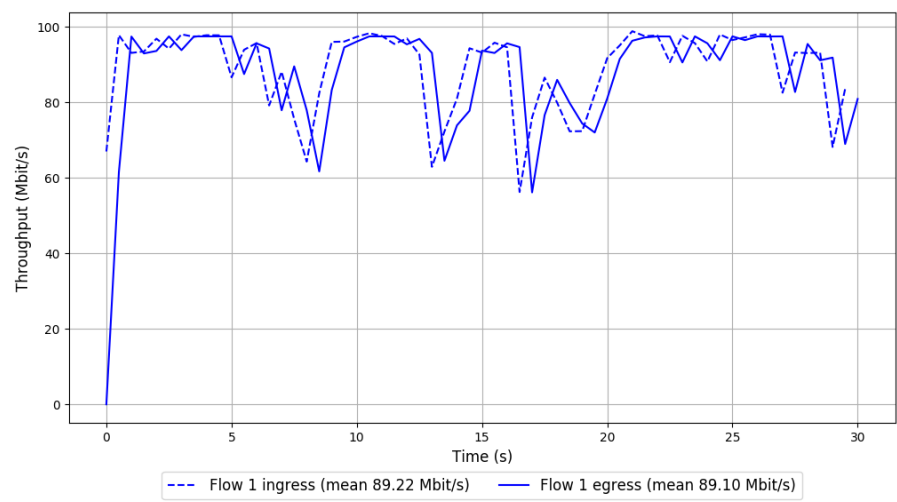
-- Flow 1:

Average throughput: 89.10 Mbit/s

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

Loss rate: 0.23%

Run 6: Report of Verus — Data Link

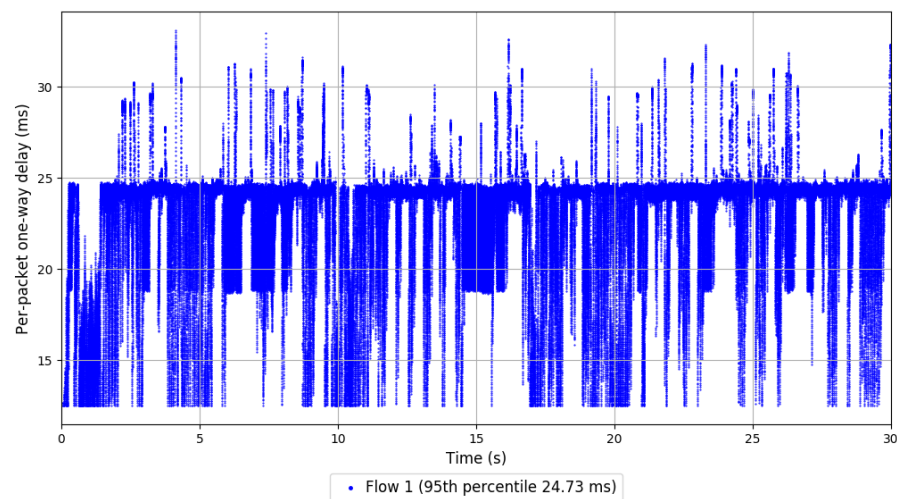
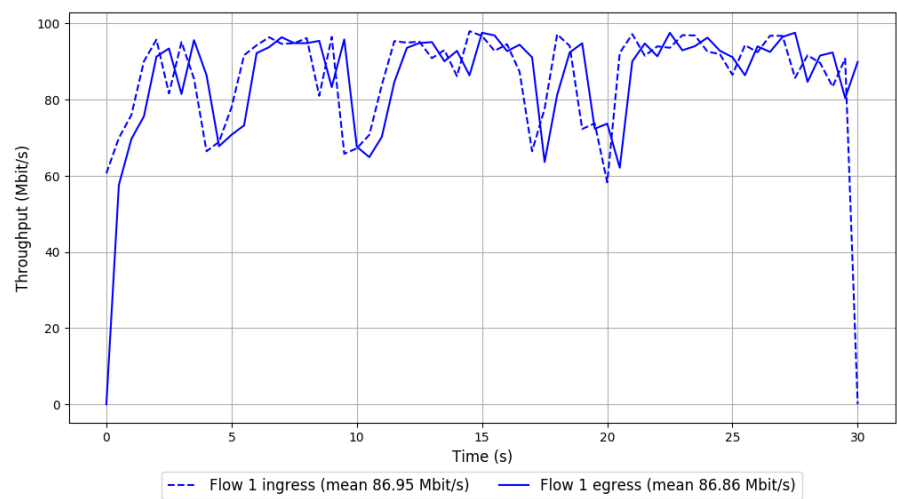


Run 7: Statistics of Verus

Start at: 2018-07-04 05:10:02
End at: 2018-07-04 05:10:32
Local clock offset: -2.376 ms
Remote clock offset: -0.524 ms

Below is generated by plot.py at 2018-07-04 06:35:52
Datalink statistics
-- Total of 1 flow:
Average throughput: 86.86 Mbit/s
95th percentile per-packet one-way delay: 24.727 ms
Loss rate: 0.21%
-- Flow 1:
Average throughput: 86.86 Mbit/s
95th percentile per-packet one-way delay: 24.727 ms
Loss rate: 0.21%

Run 7: Report of Verus — Data Link

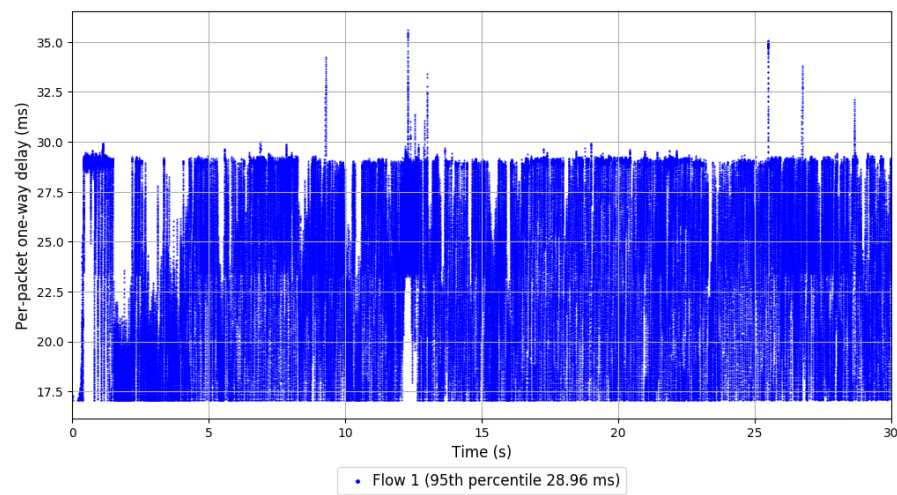
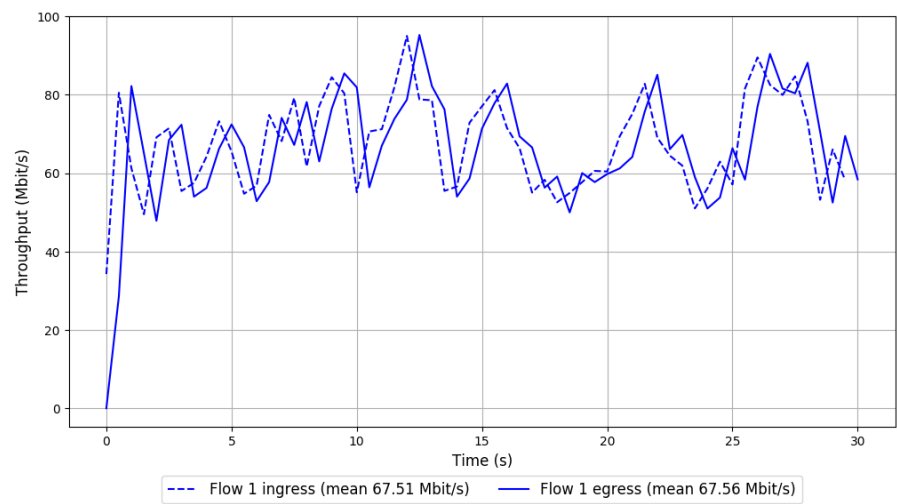


Run 8: Statistics of Verus

Start at: 2018-07-04 05:30:19
End at: 2018-07-04 05:30:49
Local clock offset: 2.185 ms
Remote clock offset: -0.028 ms

Below is generated by plot.py at 2018-07-04 06:35:52
Datalink statistics
-- Total of 1 flow:
Average throughput: 67.56 Mbit/s
95th percentile per-packet one-way delay: 28.964 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 67.56 Mbit/s
95th percentile per-packet one-way delay: 28.964 ms
Loss rate: 0.03%

Run 8: Report of Verus — Data Link

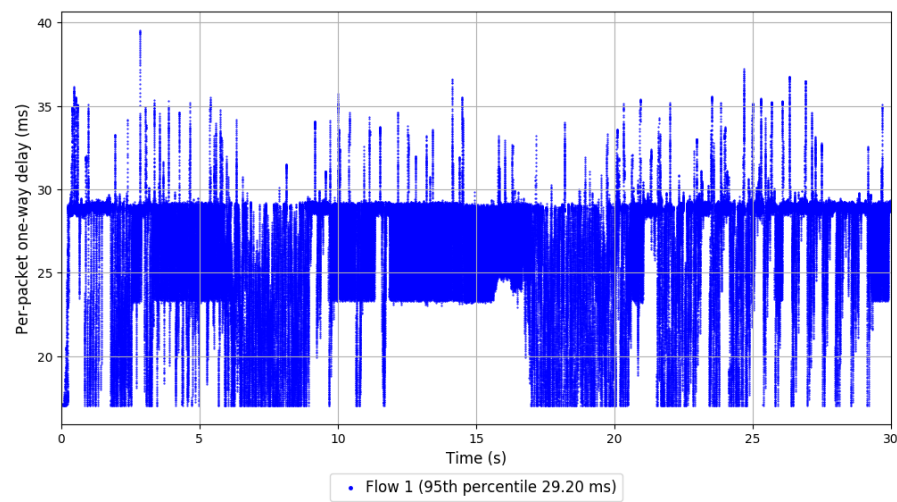
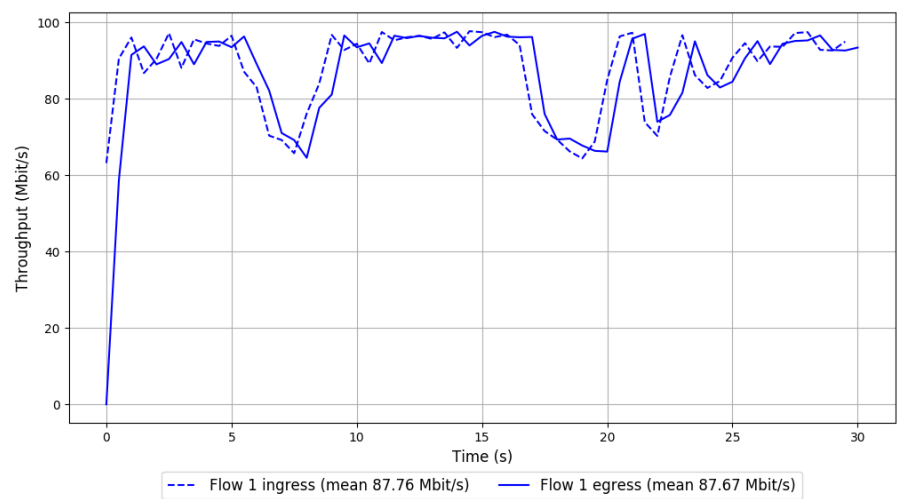


Run 9: Statistics of Verus

Start at: 2018-07-04 05:50:39
End at: 2018-07-04 05:51:09
Local clock offset: 2.191 ms
Remote clock offset: -0.626 ms

Below is generated by plot.py at 2018-07-04 06:36:13
Datalink statistics
-- Total of 1 flow:
Average throughput: 87.67 Mbit/s
95th percentile per-packet one-way delay: 29.197 ms
Loss rate: 0.19%
-- Flow 1:
Average throughput: 87.67 Mbit/s
95th percentile per-packet one-way delay: 29.197 ms
Loss rate: 0.19%

Run 9: Report of Verus — Data Link

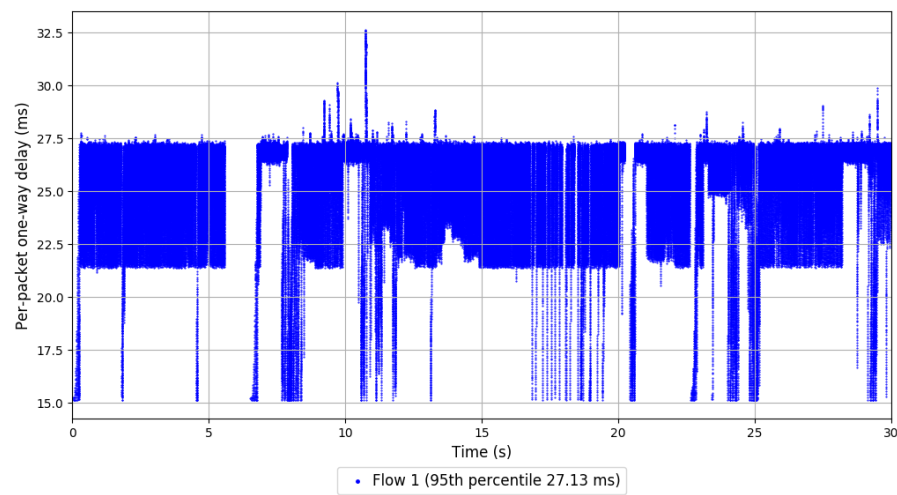
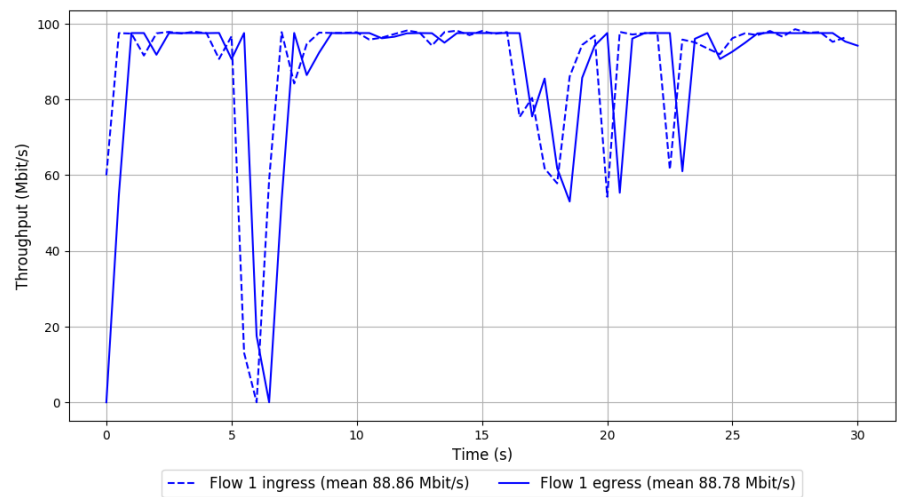


Run 10: Statistics of Verus

Start at: 2018-07-04 06:10:57
End at: 2018-07-04 06:11:27
Local clock offset: -0.677 ms
Remote clock offset: -0.859 ms

Below is generated by plot.py at 2018-07-04 06:36:15
Datalink statistics
-- Total of 1 flow:
Average throughput: 88.78 Mbit/s
95th percentile per-packet one-way delay: 27.129 ms
Loss rate: 0.18%
-- Flow 1:
Average throughput: 88.78 Mbit/s
95th percentile per-packet one-way delay: 27.129 ms
Loss rate: 0.18%

Run 10: Report of Verus — Data Link



Run 1: Statistics of PCC-Vivace

Start at: 2018-07-04 03:00:36

End at: 2018-07-04 03:01:06

Local clock offset: 1.604 ms

Remote clock offset: -5.542 ms

Below is generated by plot.py at 2018-07-04 06:36:33

Datalink statistics

-- Total of 1 flow:

Average throughput: 82.64 Mbit/s

95th percentile per-packet one-way delay: 22.662 ms

Loss rate: 0.08%

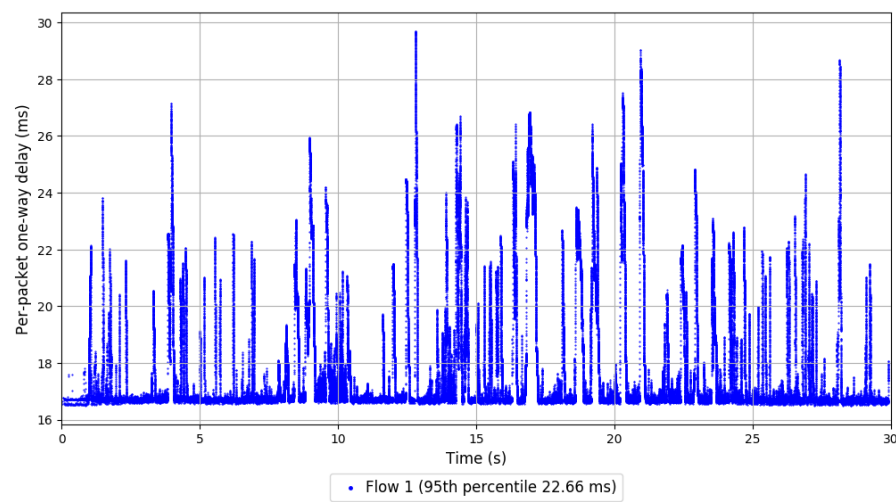
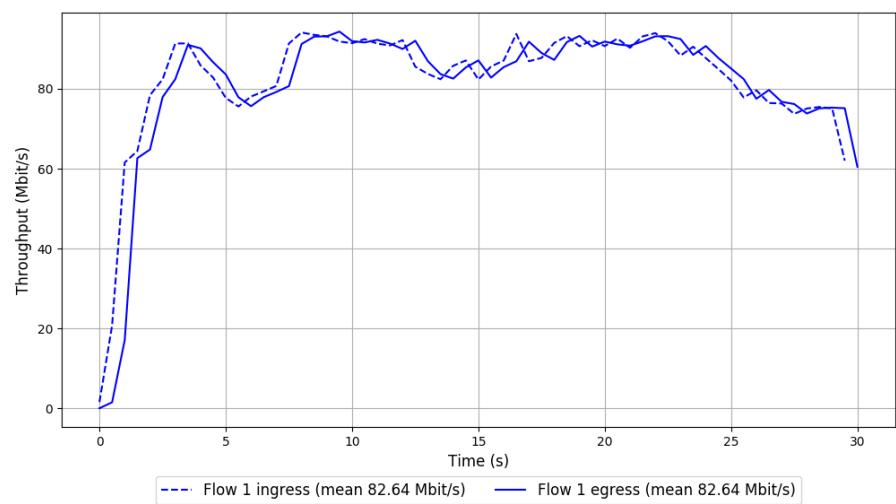
-- Flow 1:

Average throughput: 82.64 Mbit/s

95th percentile per-packet one-way delay: 22.662 ms

Loss rate: 0.08%

Run 1: Report of PCC-Vivace — Data Link



Run 2: Statistics of PCC-Vivace

Start at: 2018-07-04 03:21:00

End at: 2018-07-04 03:21:30

Local clock offset: 2.67 ms

Remote clock offset: -9.527 ms

Below is generated by plot.py at 2018-07-04 06:36:46

Datalink statistics

-- Total of 1 flow:

Average throughput: 82.44 Mbit/s

95th percentile per-packet one-way delay: 23.655 ms

Loss rate: 0.10%

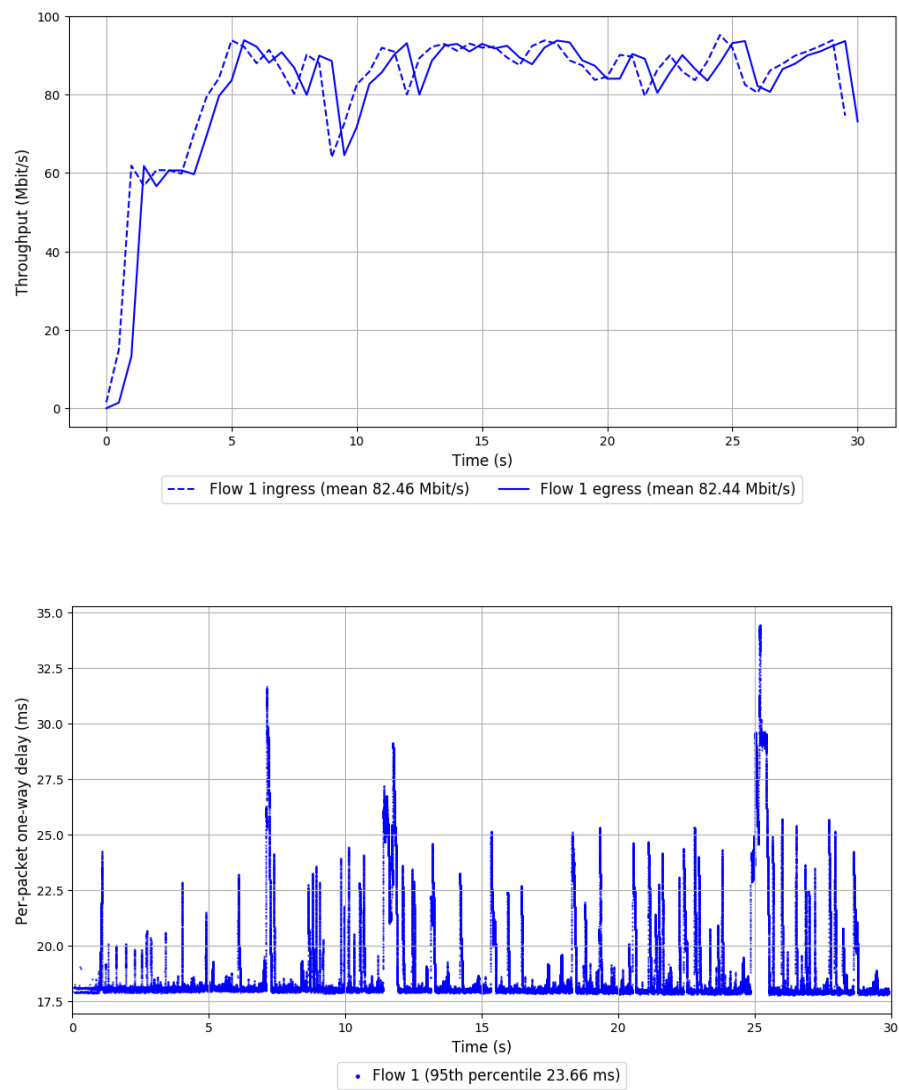
-- Flow 1:

Average throughput: 82.44 Mbit/s

95th percentile per-packet one-way delay: 23.655 ms

Loss rate: 0.10%

Run 2: Report of PCC-Vivace — Data Link

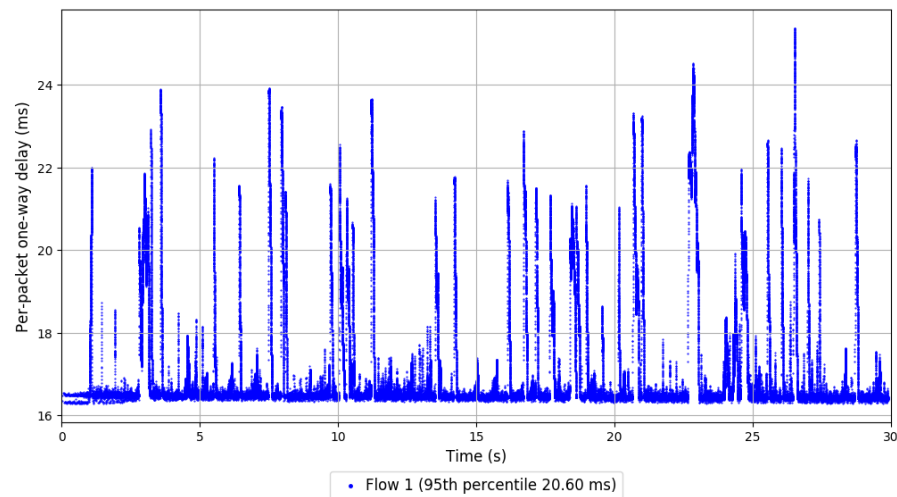
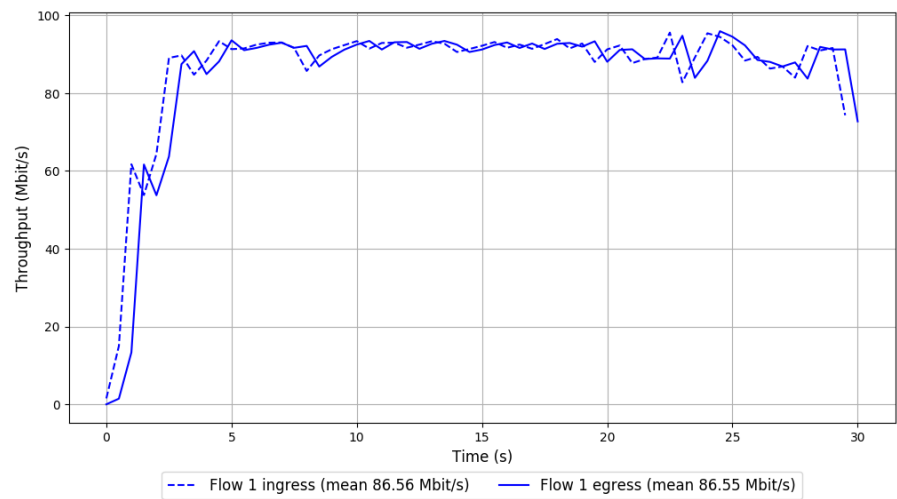


Run 3: Statistics of PCC-Vivace

Start at: 2018-07-04 03:41:10
End at: 2018-07-04 03:41:40
Local clock offset: 1.705 ms
Remote clock offset: -13.399 ms

Below is generated by plot.py at 2018-07-04 06:36:50
Datalink statistics
-- Total of 1 flow:
Average throughput: 86.55 Mbit/s
95th percentile per-packet one-way delay: 20.596 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 86.55 Mbit/s
95th percentile per-packet one-way delay: 20.596 ms
Loss rate: 0.09%

Run 3: Report of PCC-Vivace — Data Link

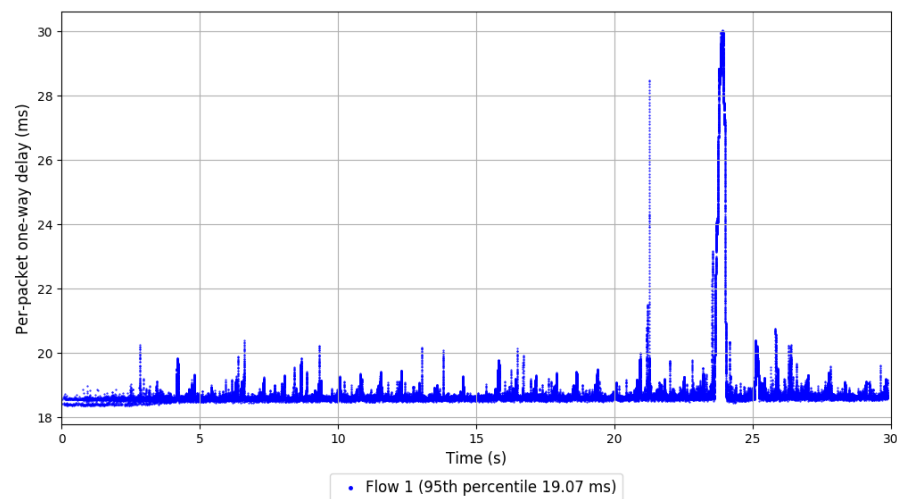
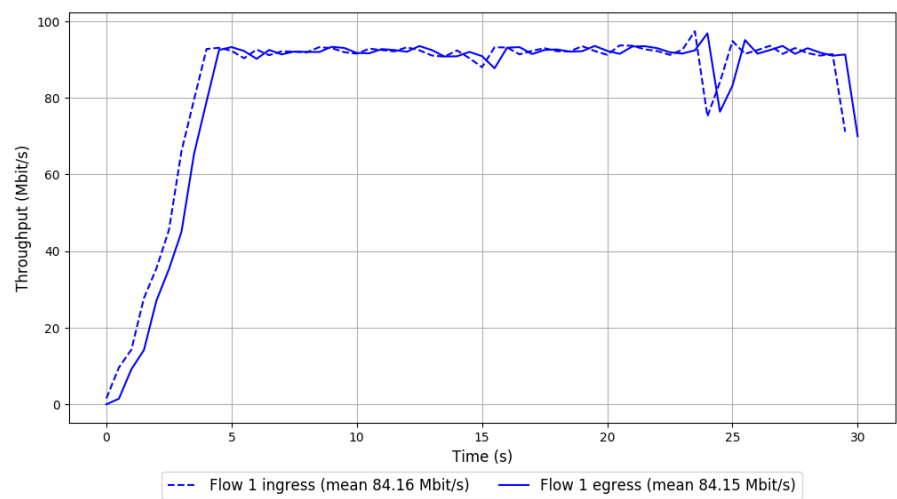


Run 4: Statistics of PCC-Vivace

Start at: 2018-07-04 04:01:17
End at: 2018-07-04 04:01:47
Local clock offset: 2.926 ms
Remote clock offset: -11.695 ms

Below is generated by plot.py at 2018-07-04 06:36:58
Datalink statistics
-- Total of 1 flow:
Average throughput: 84.15 Mbit/s
95th percentile per-packet one-way delay: 19.069 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 84.15 Mbit/s
95th percentile per-packet one-way delay: 19.069 ms
Loss rate: 0.09%

Run 4: Report of PCC-Vivace — Data Link



Run 5: Statistics of PCC-Vivace

Start at: 2018-07-04 04:21:28

End at: 2018-07-04 04:21:58

Local clock offset: 0.451 ms

Remote clock offset: -9.836 ms

Below is generated by plot.py at 2018-07-04 06:36:59

Datalink statistics

-- Total of 1 flow:

Average throughput: 81.49 Mbit/s

95th percentile per-packet one-way delay: 26.579 ms

Loss rate: 0.06%

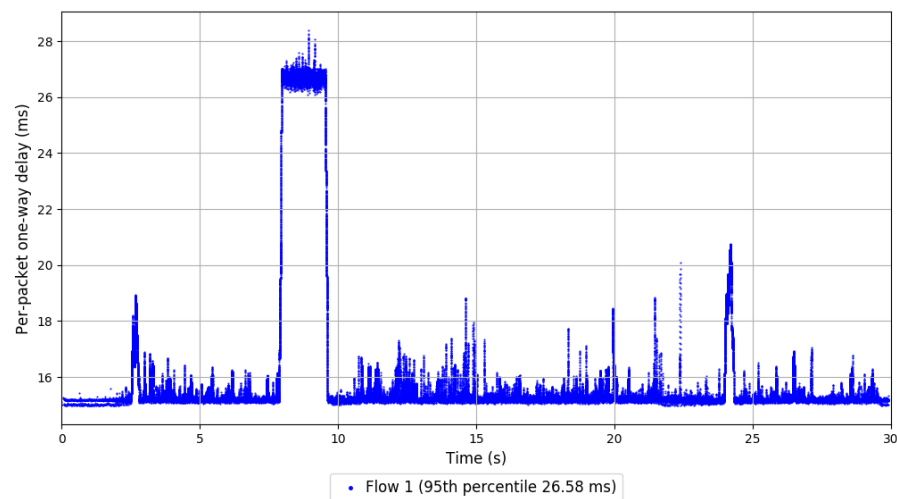
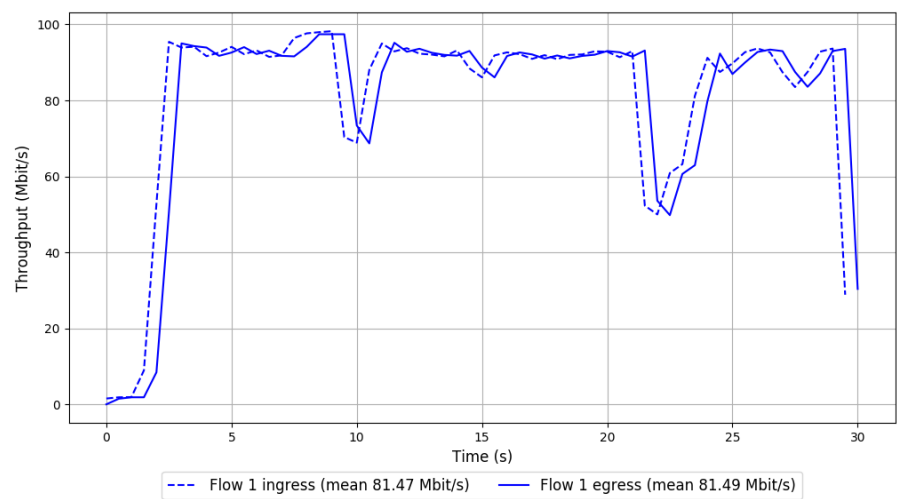
-- Flow 1:

Average throughput: 81.49 Mbit/s

95th percentile per-packet one-way delay: 26.579 ms

Loss rate: 0.06%

Run 5: Report of PCC-Vivace — Data Link



Run 6: Statistics of PCC-Vivace

Start at: 2018-07-04 04:41:38

End at: 2018-07-04 04:42:08

Local clock offset: 0.425 ms

Remote clock offset: -1.971 ms

Below is generated by plot.py at 2018-07-04 06:36:59

Datalink statistics

-- Total of 1 flow:

Average throughput: 69.20 Mbit/s

95th percentile per-packet one-way delay: 18.577 ms

Loss rate: 0.11%

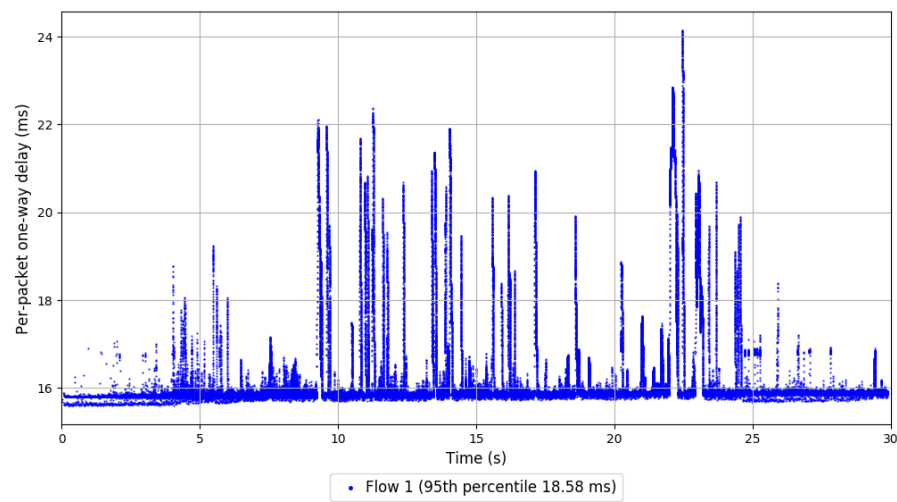
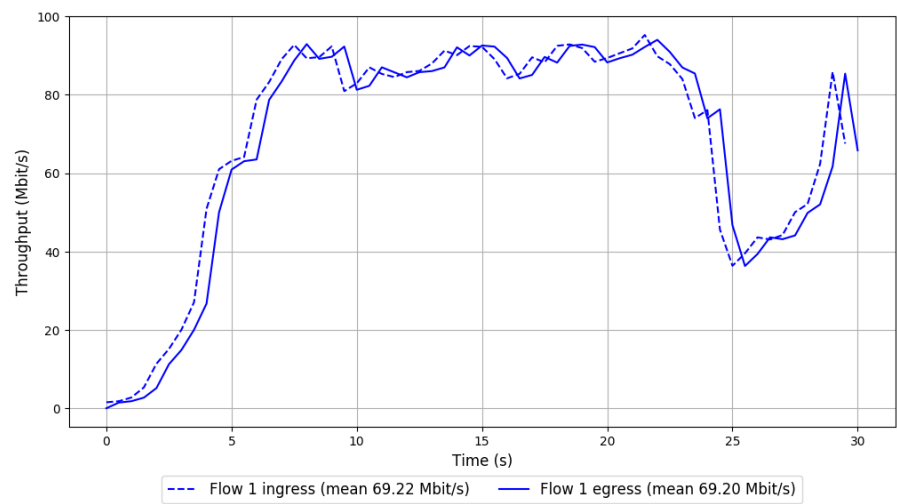
-- Flow 1:

Average throughput: 69.20 Mbit/s

95th percentile per-packet one-way delay: 18.577 ms

Loss rate: 0.11%

Run 6: Report of PCC-Vivace — Data Link



Run 7: Statistics of PCC-Vivace

Start at: 2018-07-04 05:01:41

End at: 2018-07-04 05:02:11

Local clock offset: 0.172 ms

Remote clock offset: 0.176 ms

Below is generated by plot.py at 2018-07-04 06:37:07

Datalink statistics

-- Total of 1 flow:

Average throughput: 64.86 Mbit/s

95th percentile per-packet one-way delay: 41.445 ms

Loss rate: 0.19%

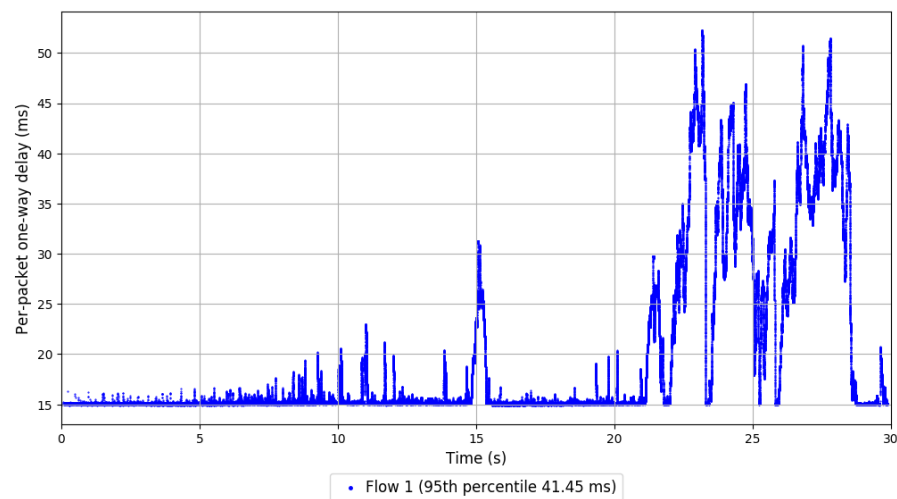
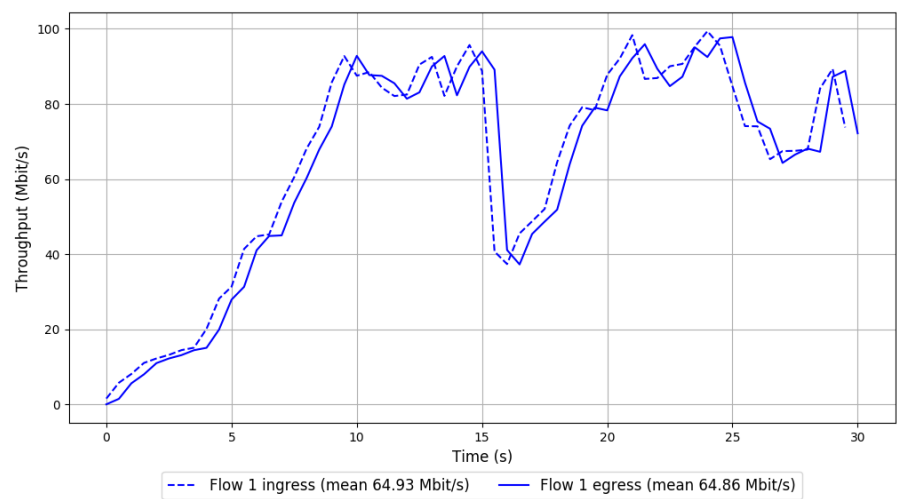
-- Flow 1:

Average throughput: 64.86 Mbit/s

95th percentile per-packet one-way delay: 41.445 ms

Loss rate: 0.19%

Run 7: Report of PCC-Vivace — Data Link



Run 8: Statistics of PCC-Vivace

Start at: 2018-07-04 05:21:50

End at: 2018-07-04 05:22:20

Local clock offset: 2.581 ms

Remote clock offset: -0.344 ms

Below is generated by plot.py at 2018-07-04 06:37:07

Datalink statistics

-- Total of 1 flow:

Average throughput: 52.53 Mbit/s

95th percentile per-packet one-way delay: 20.149 ms

Loss rate: 0.05%

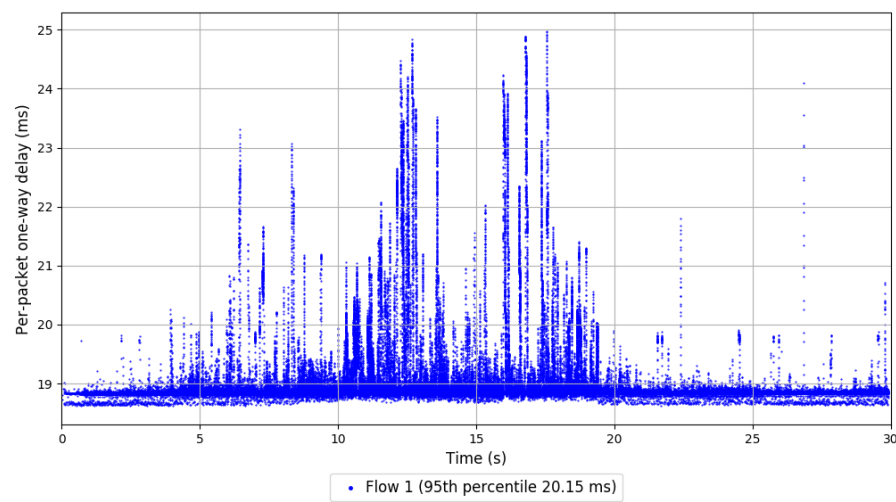
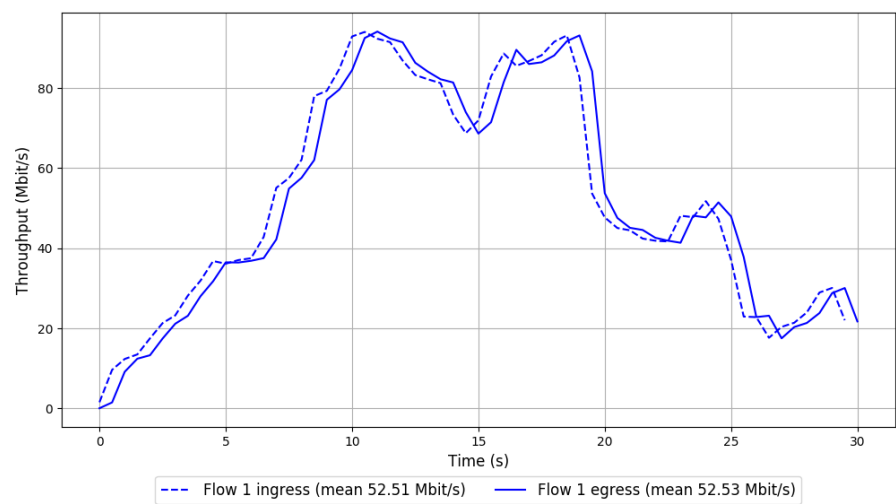
-- Flow 1:

Average throughput: 52.53 Mbit/s

95th percentile per-packet one-way delay: 20.149 ms

Loss rate: 0.05%

Run 8: Report of PCC-Vivace — Data Link

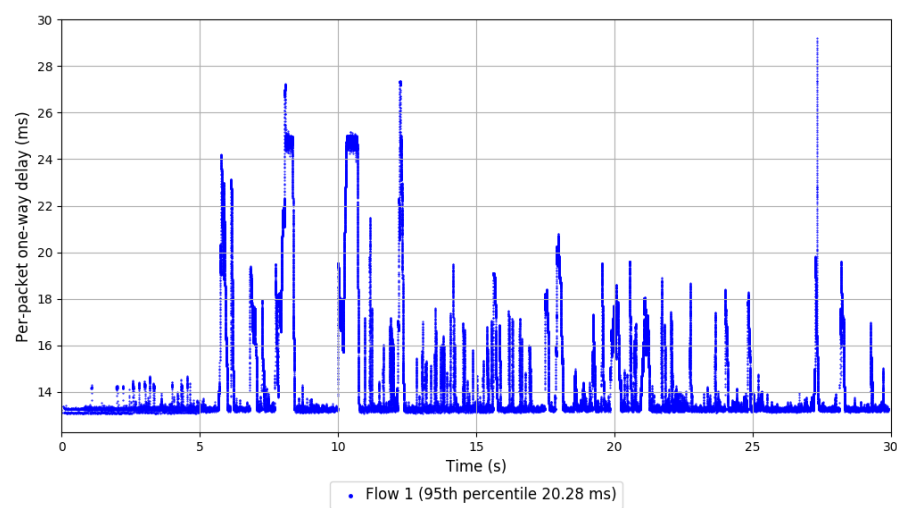
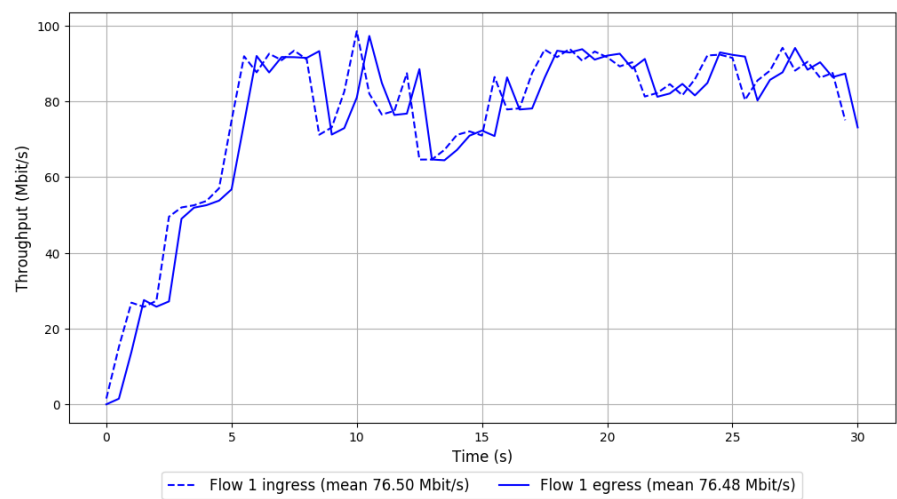


Run 9: Statistics of PCC-Vivace

Start at: 2018-07-04 05:42:05
End at: 2018-07-04 05:42:35
Local clock offset: -1.723 ms
Remote clock offset: -0.758 ms

Below is generated by plot.py at 2018-07-04 06:37:14
Datalink statistics
-- Total of 1 flow:
Average throughput: 76.48 Mbit/s
95th percentile per-packet one-way delay: 20.278 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 76.48 Mbit/s
95th percentile per-packet one-way delay: 20.278 ms
Loss rate: 0.10%

Run 9: Report of PCC-Vivace — Data Link

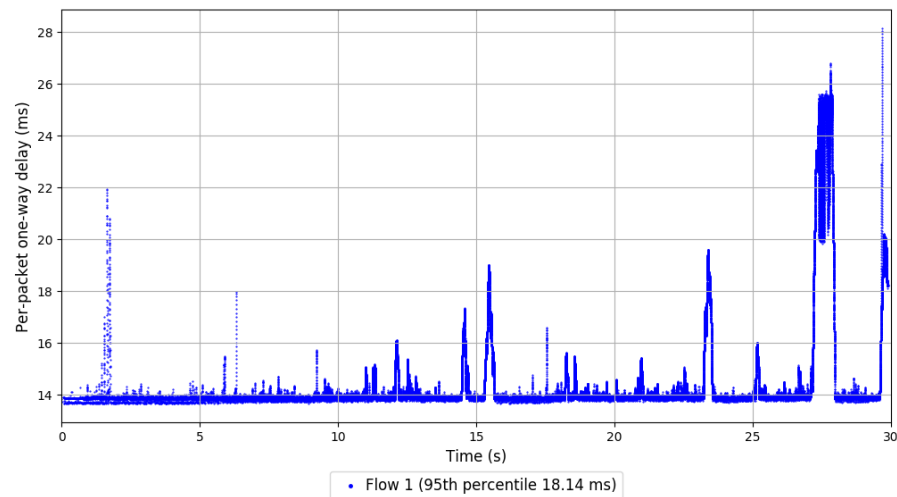
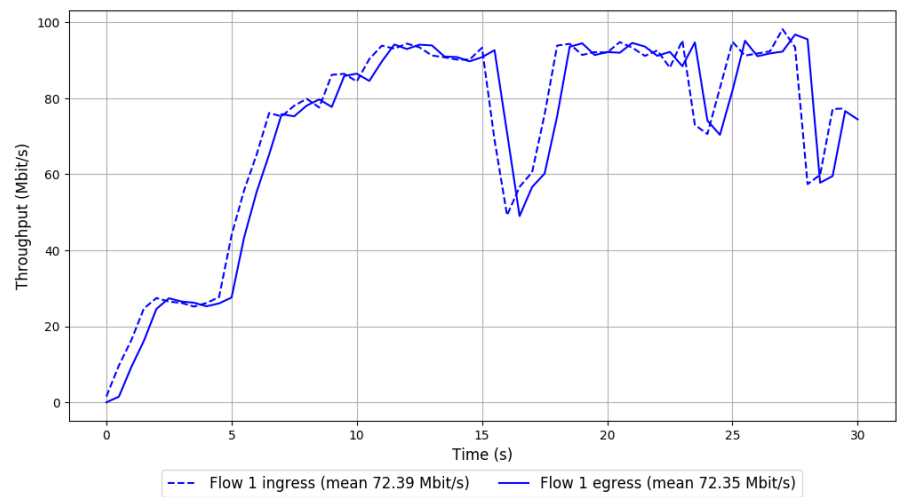


Run 10: Statistics of PCC-Vivace

Start at: 2018-07-04 06:02:21
End at: 2018-07-04 06:02:51
Local clock offset: -0.791 ms
Remote clock offset: -0.176 ms

Below is generated by plot.py at 2018-07-04 06:37:15
Datalink statistics
-- Total of 1 flow:
Average throughput: 72.35 Mbit/s
95th percentile per-packet one-way delay: 18.137 ms
Loss rate: 0.12%
-- Flow 1:
Average throughput: 72.35 Mbit/s
95th percentile per-packet one-way delay: 18.137 ms
Loss rate: 0.12%

Run 10: Report of PCC-Vivace — Data Link

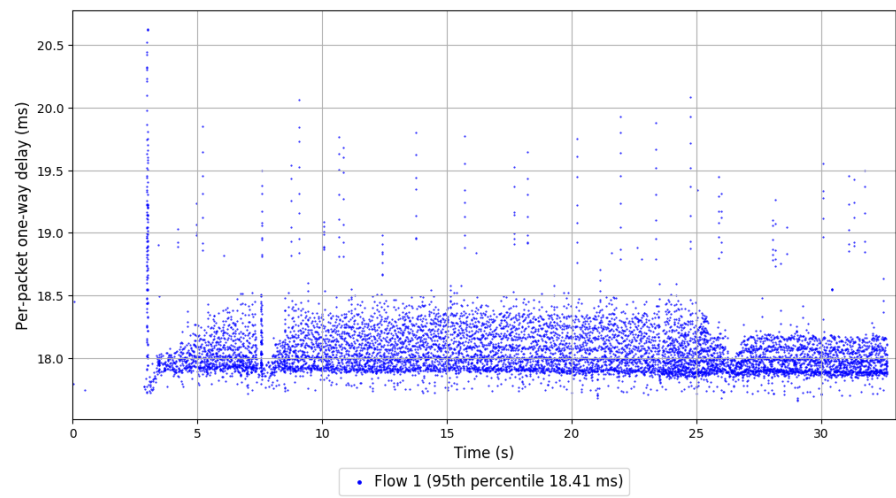
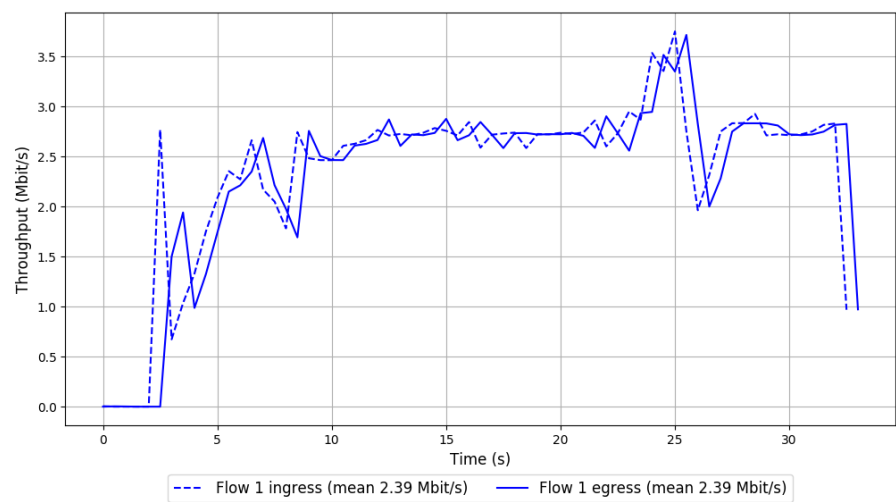


Run 1: Statistics of WebRTC media

Start at: 2018-07-04 03:01:49
End at: 2018-07-04 03:02:19
Local clock offset: 2.832 ms
Remote clock offset: -5.636 ms

Below is generated by plot.py at 2018-07-04 06:37:15
Datalink statistics
-- Total of 1 flow:
Average throughput: 2.39 Mbit/s
95th percentile per-packet one-way delay: 18.413 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 2.39 Mbit/s
95th percentile per-packet one-way delay: 18.413 ms
Loss rate: 0.06%

Run 1: Report of WebRTC media — Data Link



Run 2: Statistics of WebRTC media

Start at: 2018-07-04 03:22:14

End at: 2018-07-04 03:22:44

Local clock offset: 3.398 ms

Remote clock offset: -9.67 ms

Below is generated by plot.py at 2018-07-04 06:37:15

Datalink statistics

-- Total of 1 flow:

Average throughput: 2.40 Mbit/s

95th percentile per-packet one-way delay: 18.881 ms

Loss rate: 0.05%

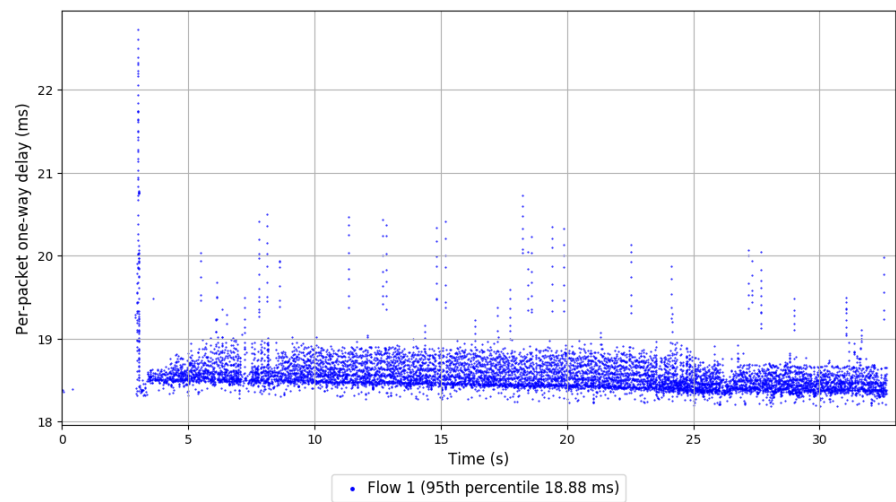
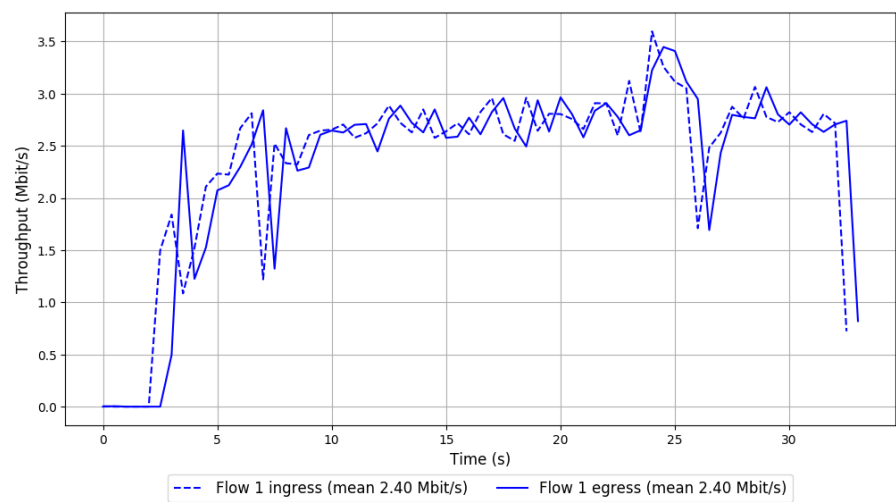
-- Flow 1:

Average throughput: 2.40 Mbit/s

95th percentile per-packet one-way delay: 18.881 ms

Loss rate: 0.05%

Run 2: Report of WebRTC media — Data Link

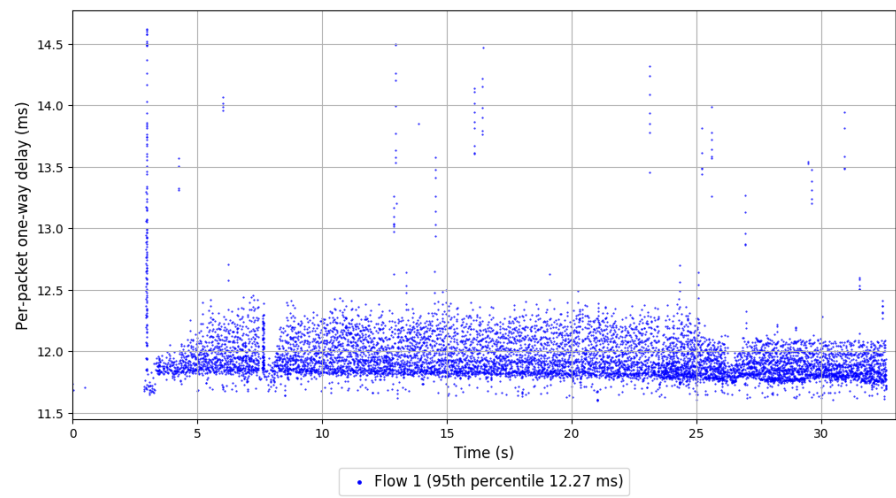
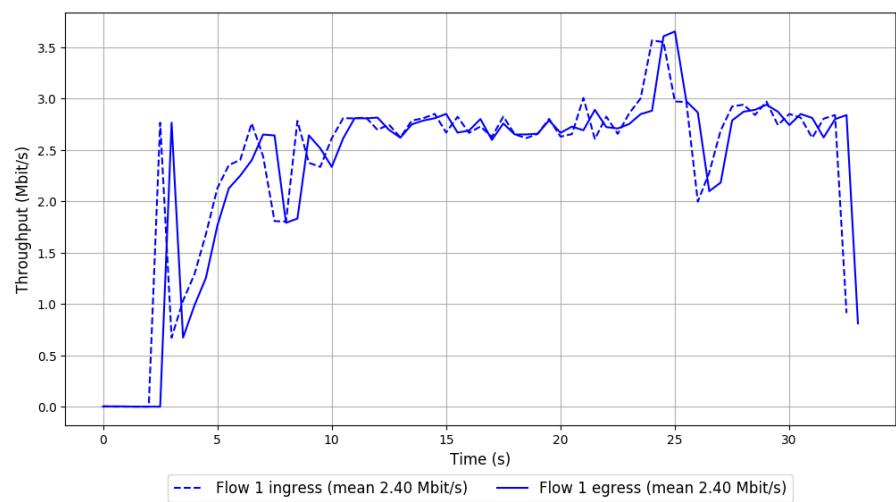


Run 3: Statistics of WebRTC media

Start at: 2018-07-04 03:42:21
End at: 2018-07-04 03:42:51
Local clock offset: -2.821 ms
Remote clock offset: -13.434 ms

Below is generated by plot.py at 2018-07-04 06:37:15
Datalink statistics
-- Total of 1 flow:
Average throughput: 2.40 Mbit/s
95th percentile per-packet one-way delay: 12.270 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 2.40 Mbit/s
95th percentile per-packet one-way delay: 12.270 ms
Loss rate: 0.13%

Run 3: Report of WebRTC media — Data Link

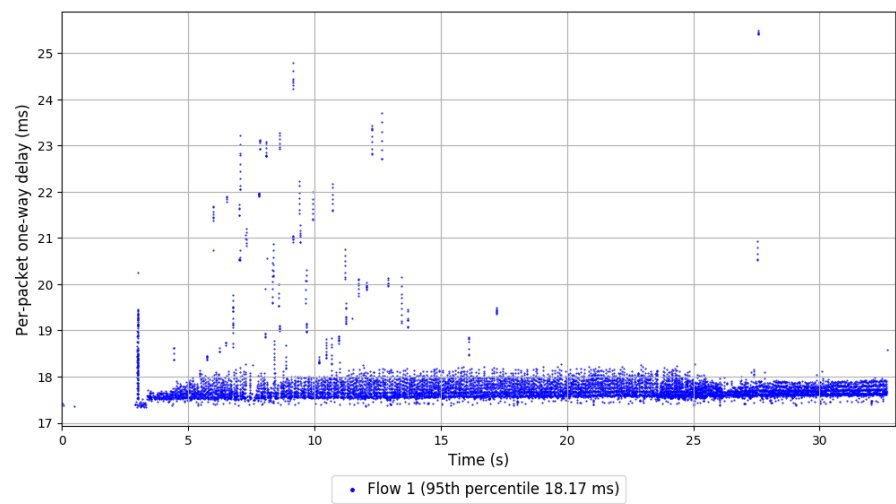
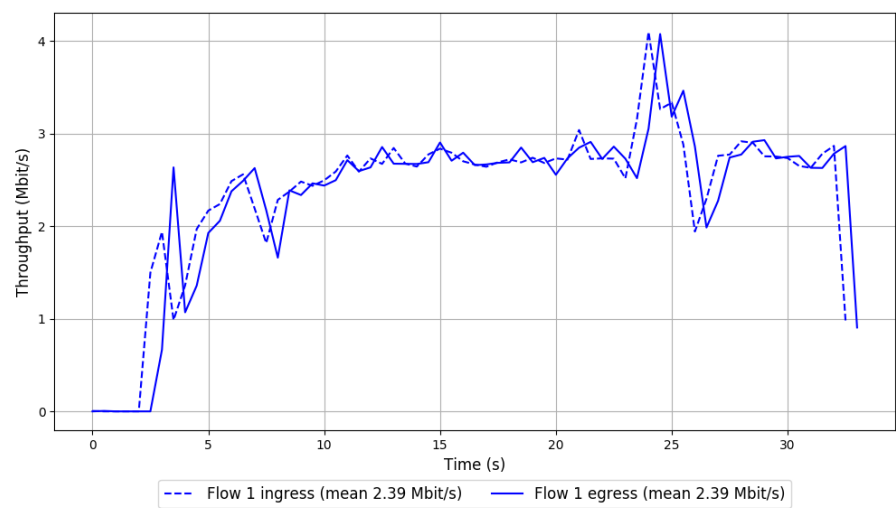


Run 4: Statistics of WebRTC media

Start at: 2018-07-04 04:02:31
End at: 2018-07-04 04:03:01
Local clock offset: 2.508 ms
Remote clock offset: -10.893 ms

Below is generated by plot.py at 2018-07-04 06:37:15
Datalink statistics
-- Total of 1 flow:
Average throughput: 2.39 Mbit/s
95th percentile per-packet one-way delay: 18.174 ms
Loss rate: 0.11%
-- Flow 1:
Average throughput: 2.39 Mbit/s
95th percentile per-packet one-way delay: 18.174 ms
Loss rate: 0.11%

Run 4: Report of WebRTC media — Data Link



Run 5: Statistics of WebRTC media

Start at: 2018-07-04 04:22:38

End at: 2018-07-04 04:23:09

Local clock offset: -1.709 ms

Remote clock offset: -9.74 ms

Below is generated by plot.py at 2018-07-04 06:37:15

Datalink statistics

-- Total of 1 flow:

Average throughput: 2.40 Mbit/s

95th percentile per-packet one-way delay: 13.410 ms

Loss rate: 0.06%

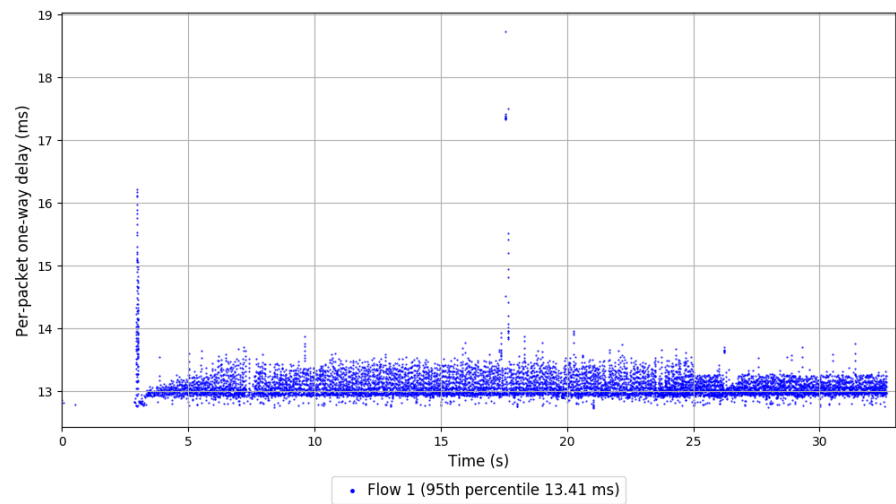
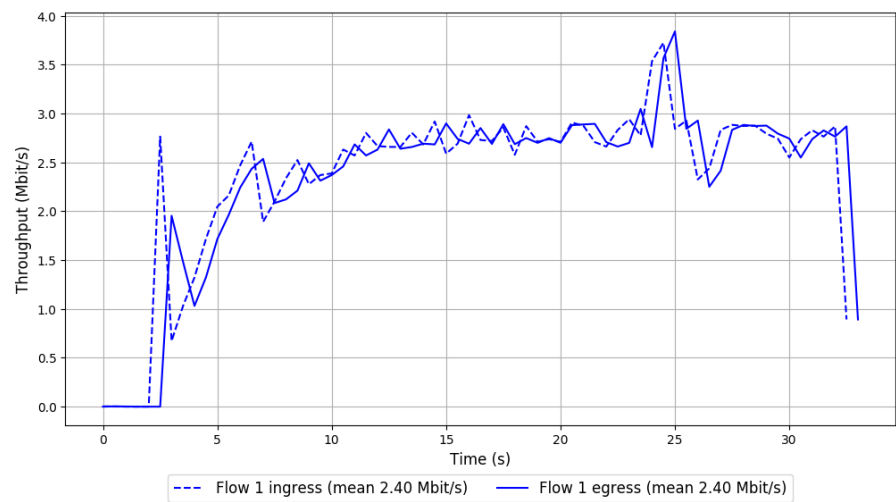
-- Flow 1:

Average throughput: 2.40 Mbit/s

95th percentile per-packet one-way delay: 13.410 ms

Loss rate: 0.06%

Run 5: Report of WebRTC media — Data Link

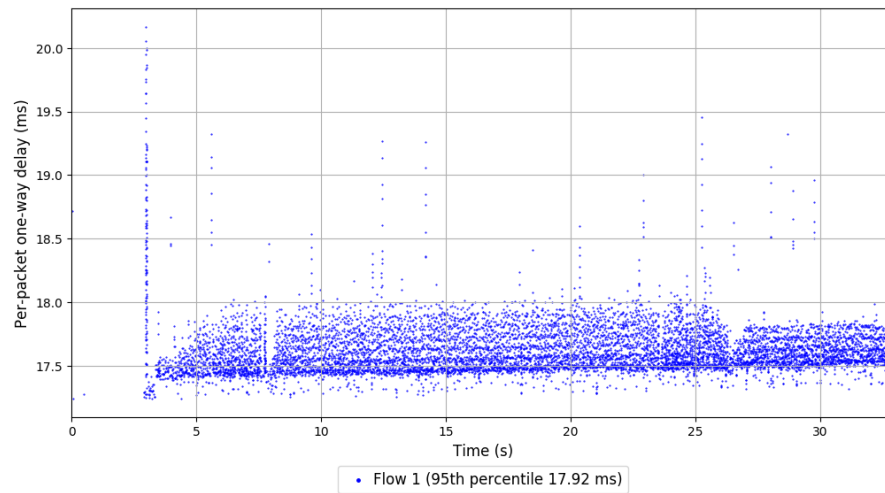
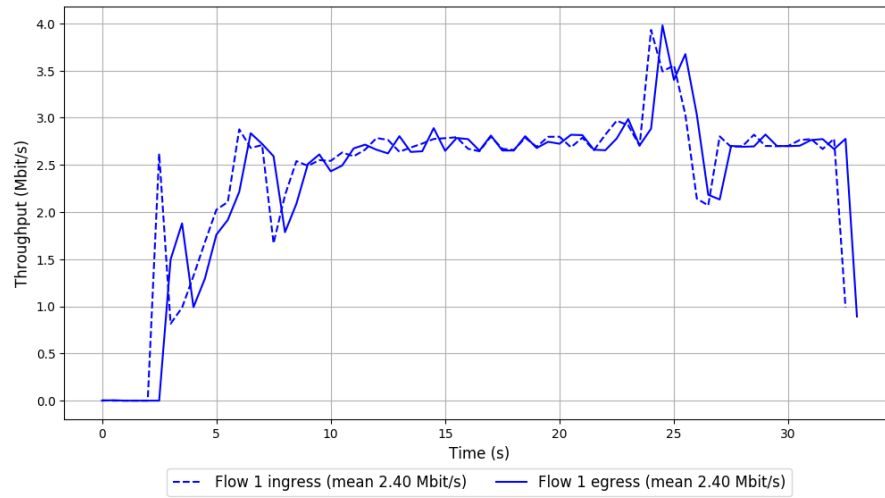


Run 6: Statistics of WebRTC media

Start at: 2018-07-04 04:42:47
End at: 2018-07-04 04:43:17
Local clock offset: 2.394 ms
Remote clock offset: -1.378 ms

Below is generated by plot.py at 2018-07-04 06:37:15
Datalink statistics
-- Total of 1 flow:
Average throughput: 2.40 Mbit/s
95th percentile per-packet one-way delay: 17.922 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 2.40 Mbit/s
95th percentile per-packet one-way delay: 17.922 ms
Loss rate: 0.13%

Run 6: Report of WebRTC media — Data Link

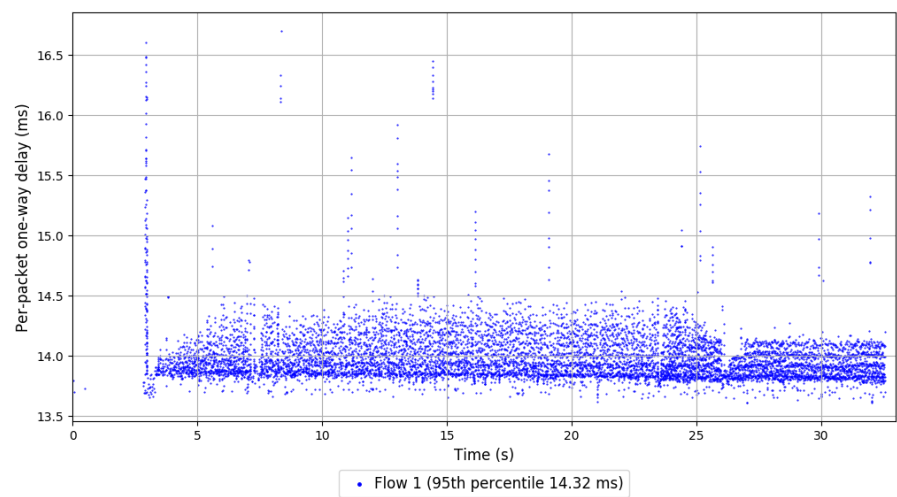
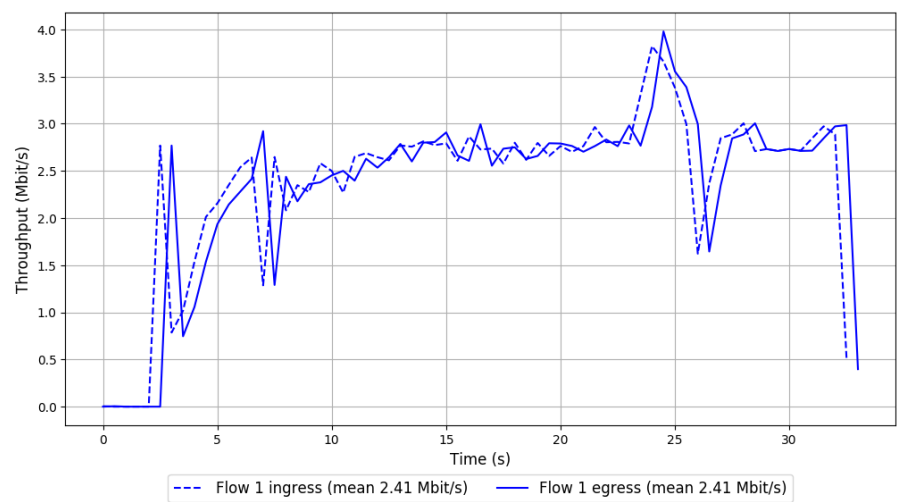


Run 7: Statistics of WebRTC media

Start at: 2018-07-04 05:02:52
End at: 2018-07-04 05:03:22
Local clock offset: -1.453 ms
Remote clock offset: -0.329 ms

Below is generated by plot.py at 2018-07-04 06:37:15
Datalink statistics
-- Total of 1 flow:
Average throughput: 2.41 Mbit/s
95th percentile per-packet one-way delay: 14.322 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 2.41 Mbit/s
95th percentile per-packet one-way delay: 14.322 ms
Loss rate: 0.08%

Run 7: Report of WebRTC media — Data Link

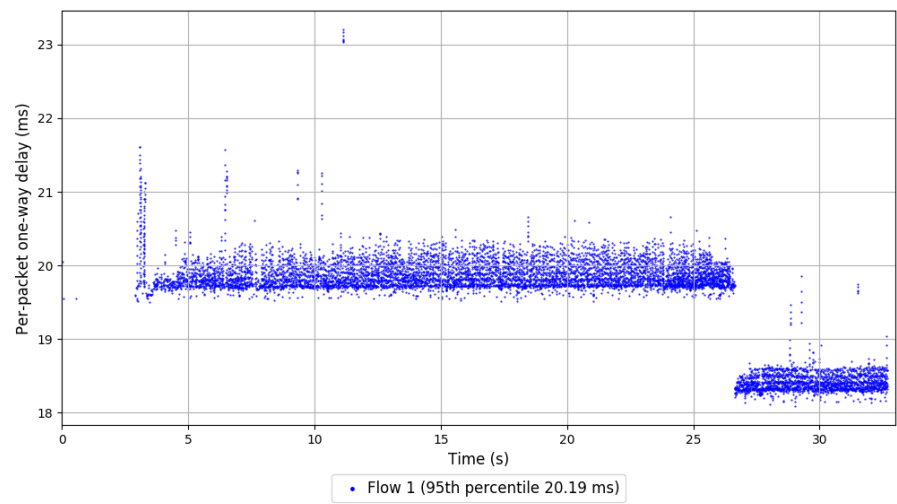
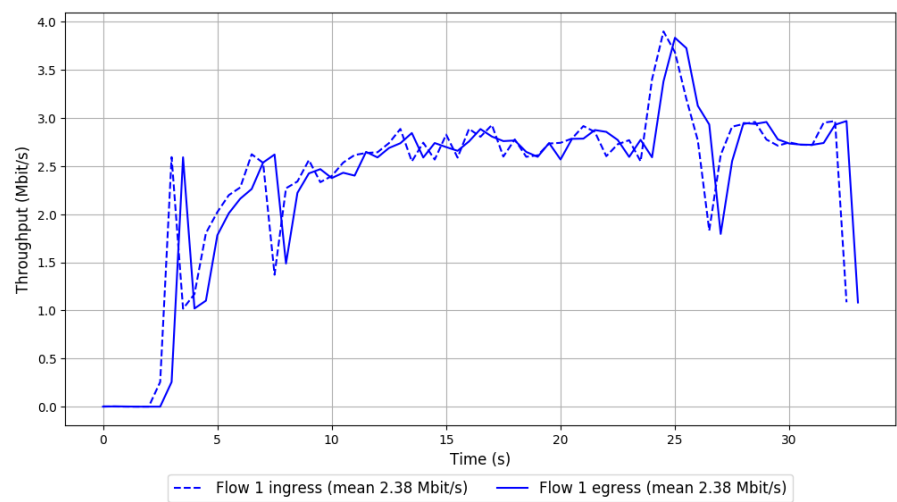


Run 8: Statistics of WebRTC media

Start at: 2018-07-04 05:22:59
End at: 2018-07-04 05:23:29
Local clock offset: 3.594 ms
Remote clock offset: -0.139 ms

Below is generated by plot.py at 2018-07-04 06:37:15
Datalink statistics
-- Total of 1 flow:
Average throughput: 2.38 Mbit/s
95th percentile per-packet one-way delay: 20.193 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 2.38 Mbit/s
95th percentile per-packet one-way delay: 20.193 ms
Loss rate: 0.06%

Run 8: Report of WebRTC media — Data Link



Run 9: Statistics of WebRTC media

Start at: 2018-07-04 05:43:17

End at: 2018-07-04 05:43:47

Local clock offset: 0.035 ms

Remote clock offset: -0.72 ms

Below is generated by plot.py at 2018-07-04 06:37:15

Datalink statistics

-- Total of 1 flow:

Average throughput: 2.42 Mbit/s

95th percentile per-packet one-way delay: 15.486 ms

Loss rate: 0.07%

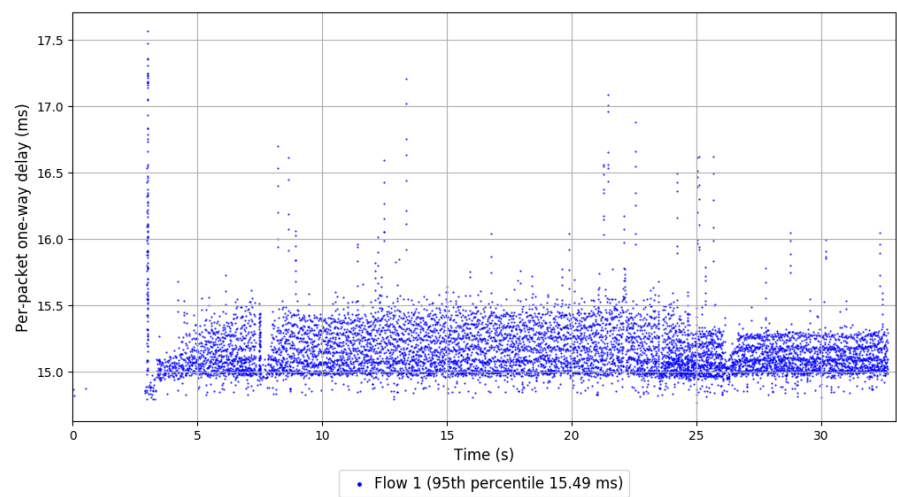
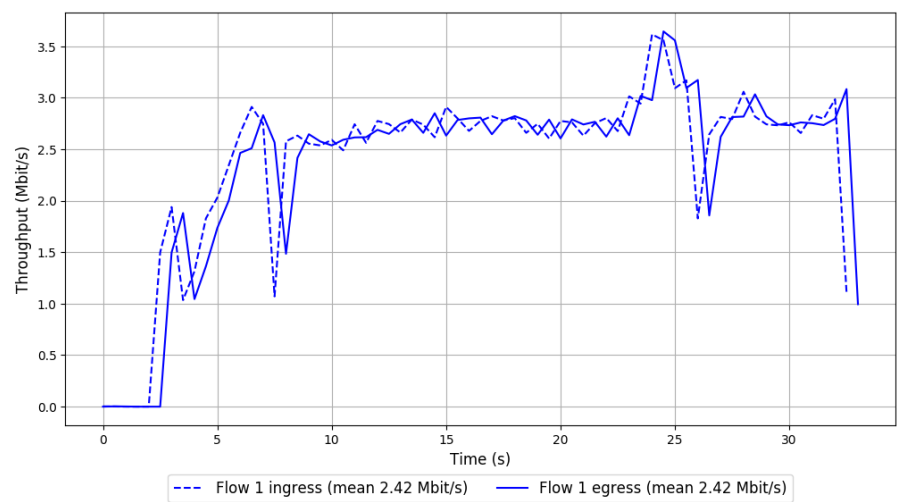
-- Flow 1:

Average throughput: 2.42 Mbit/s

95th percentile per-packet one-way delay: 15.486 ms

Loss rate: 0.07%

Run 9: Report of WebRTC media — Data Link



Run 10: Statistics of WebRTC media

Start at: 2018-07-04 06:03:35
End at: 2018-07-04 06:04:05
Local clock offset: -0.412 ms
Remote clock offset: -1.579 ms

Below is generated by plot.py at 2018-07-04 06:37:15
Datalink statistics
-- Total of 1 flow:
Average throughput: 2.40 Mbit/s
95th percentile per-packet one-way delay: 16.252 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 2.40 Mbit/s
95th percentile per-packet one-way delay: 16.252 ms
Loss rate: 0.06%

Run 10: Report of WebRTC media — Data Link

