

Pantheon Report

Generated at 2018-06-19 05:14:51 (UTC).

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

Repeated the test of 16 congestion control schemes 10 times.

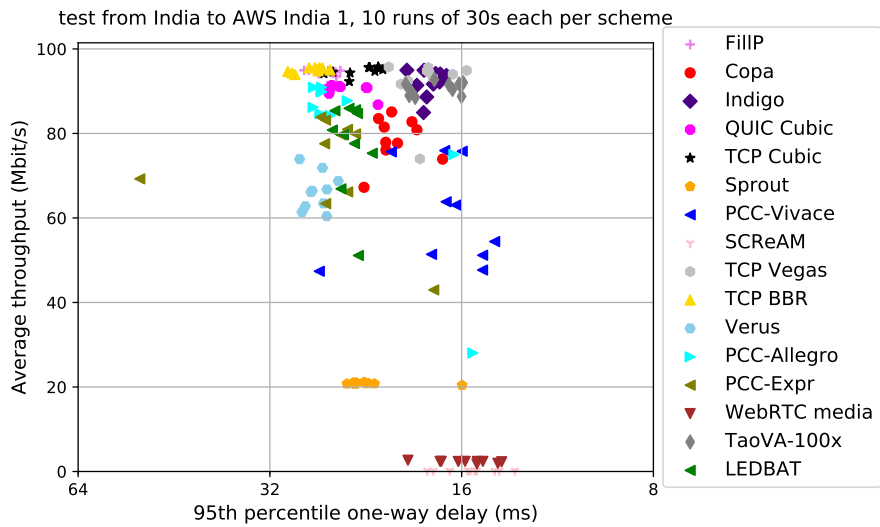
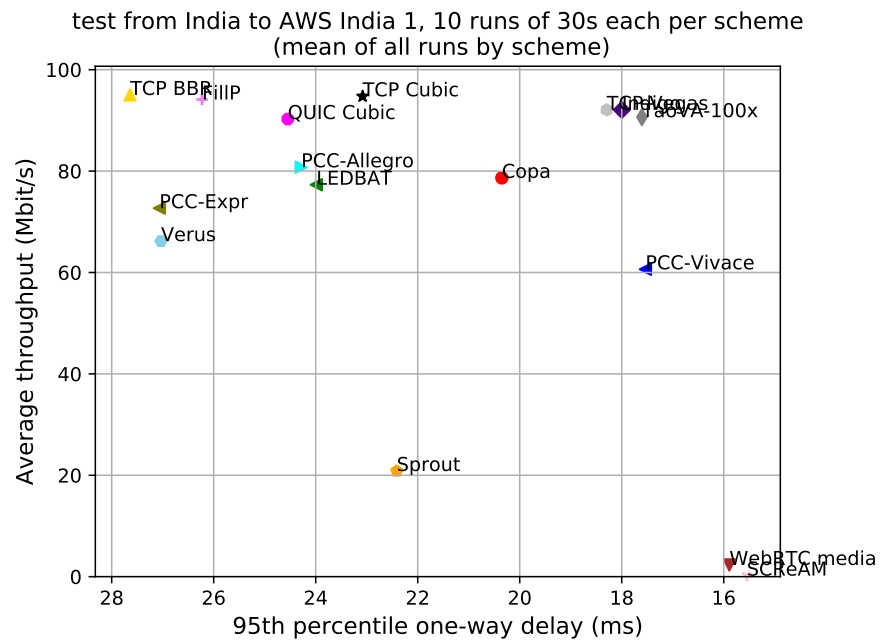
Each test lasted for 30 seconds running 1 flow.

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

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

Git summary:

```
branch: master @ 9141c5f9450c85ea5ea2ea755a8e946998d3abf3
third_party/fillp @ d47f4fa1b454a5e3c0537115c5a28436dbd4b834
third_party/genericCC @ c7966e494a929986eaa5a9c169a7f381fe1bbbe5
third_party/indigo @ 2601c92e4aa9d58d38dc4dfe0ecdbf90c077e64d
third_party/libutp @ b3465b942e2826f2b179eaab4a906ce6bb7cf3cf
third_party/pantheon-tunnel @ 6f038ed31259d366f9840f65b82cbe8f464b1b39
third_party/pcc @ 1afc958fa0d66d18b623c091a55fec872b4981e1
M receiver/src/buffer.h
M receiver/src/core.cpp
M sender/src/buffer.h
M sender/src/core.cpp
third_party/pcc-experimental @ cd43e34e3f5f5613e8acd08fab92c4eb24f974ab
third_party/proto-quirk @ 77961f1a82733a86b42f1bc8143ebc978f3cff42
third_party/scream-reproduce @ f099118d1421aa3131bf11ff1964974e1da3bdb2
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	95.01	27.64	3.01
Copa	10	78.66	20.35	0.08
TCP Cubic	10	94.75	23.08	0.12
FillP	10	94.12	26.23	0.13
Indigo	10	92.08	18.00	0.08
LEDBAT	10	77.31	23.99	0.08
PCC-Allegro	10	80.76	24.28	0.17
PCC-Expr	10	72.68	27.07	0.13
QUIC Cubic	10	90.26	24.55	0.11
SCReAM	10	0.21	15.55	0.13
Sprout	10	20.84	22.41	0.14
TaoVA-100x	10	90.63	17.60	0.09
TCP Vegas	10	92.08	18.29	0.09
Verus	10	66.19	27.03	0.12
PCC-Vivace	10	60.63	17.54	0.11
WebRTC media	10	2.31	15.89	0.11

Run 1: Statistics of TCP BBR

Start at: 2018-06-19 01:42:42

End at: 2018-06-19 01:43:12

Local clock offset: 2.571 ms

Remote clock offset: -6.925 ms

Below is generated by plot.py at 2018-06-19 04:55:44

Datalink statistics

-- Total of 1 flow:

Average throughput: 93.94 Mbit/s

95th percentile per-packet one-way delay: 29.222 ms

Loss rate: 3.70%

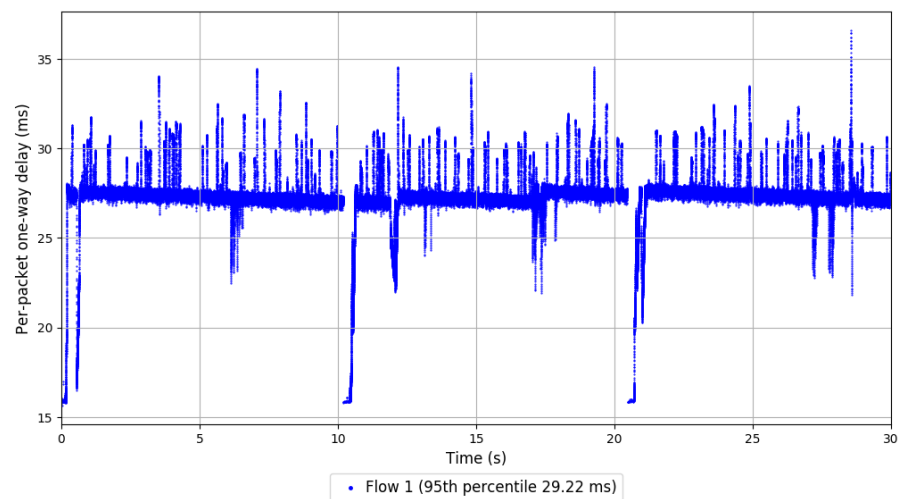
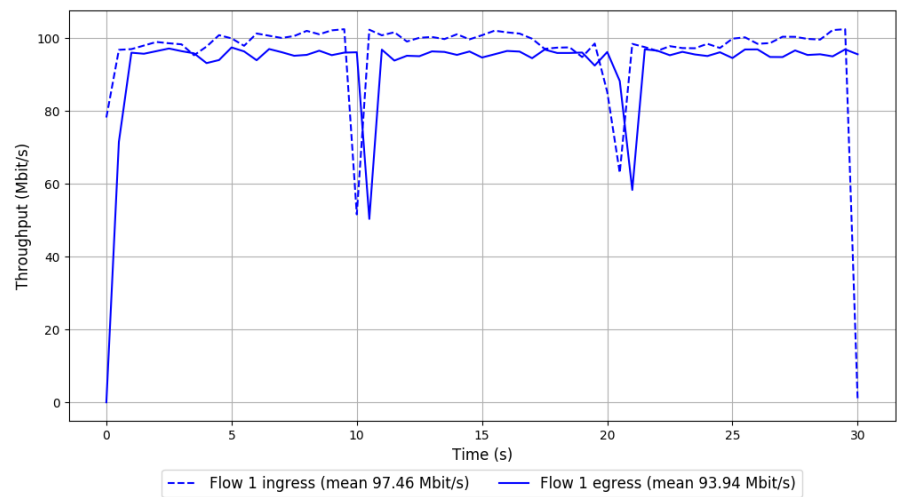
-- Flow 1:

Average throughput: 93.94 Mbit/s

95th percentile per-packet one-way delay: 29.222 ms

Loss rate: 3.70%

Run 1: Report of TCP BBR — Data Link



Run 2: Statistics of TCP BBR

Start at: 2018-06-19 02:01:31

End at: 2018-06-19 02:02:01

Local clock offset: 4.165 ms

Remote clock offset: 0.626 ms

Below is generated by plot.py at 2018-06-19 04:55:46

Datalink statistics

-- Total of 1 flow:

Average throughput: 94.69 Mbit/s

95th percentile per-packet one-way delay: 29.993 ms

Loss rate: 2.69%

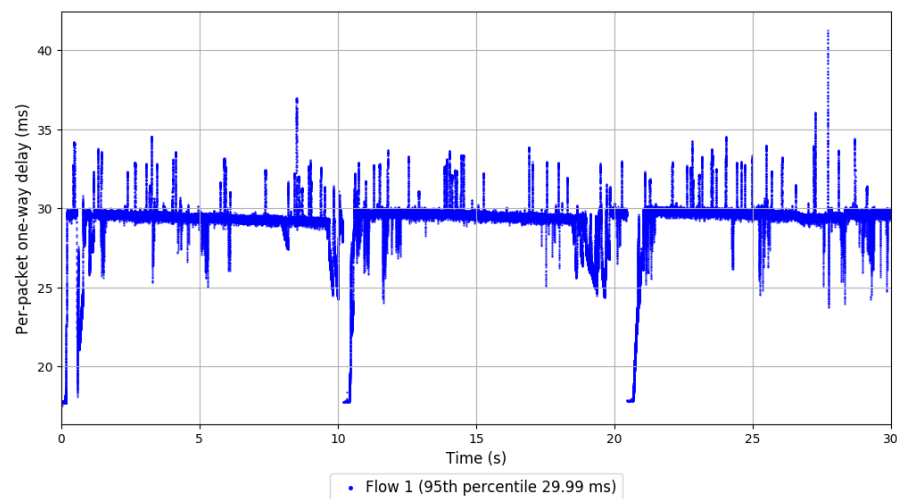
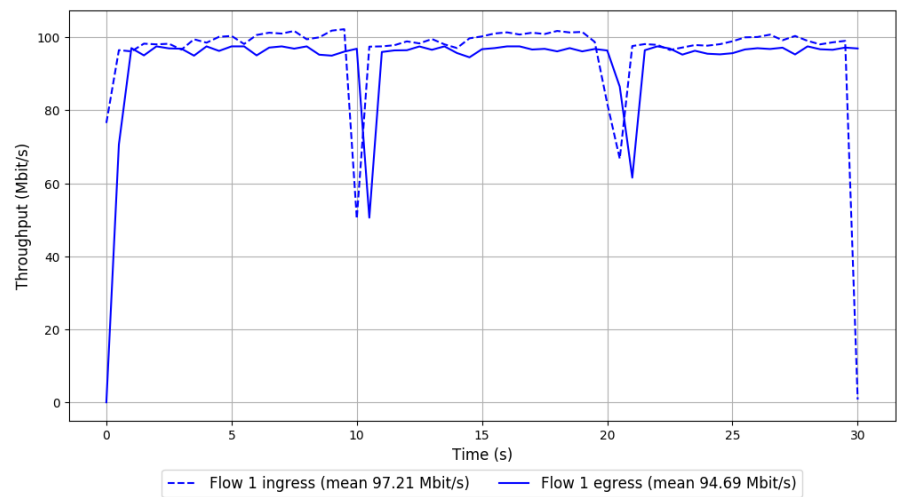
-- Flow 1:

Average throughput: 94.69 Mbit/s

95th percentile per-packet one-way delay: 29.993 ms

Loss rate: 2.69%

Run 2: Report of TCP BBR — Data Link



Run 3: Statistics of TCP BBR

Start at: 2018-06-19 02:20:36

End at: 2018-06-19 02:21:06

Local clock offset: -0.642 ms

Remote clock offset: 4.246 ms

Below is generated by plot.py at 2018-06-19 04:55:46

Datalink statistics

-- Total of 1 flow:

Average throughput: 94.83 Mbit/s

95th percentile per-packet one-way delay: 26.890 ms

Loss rate: 2.88%

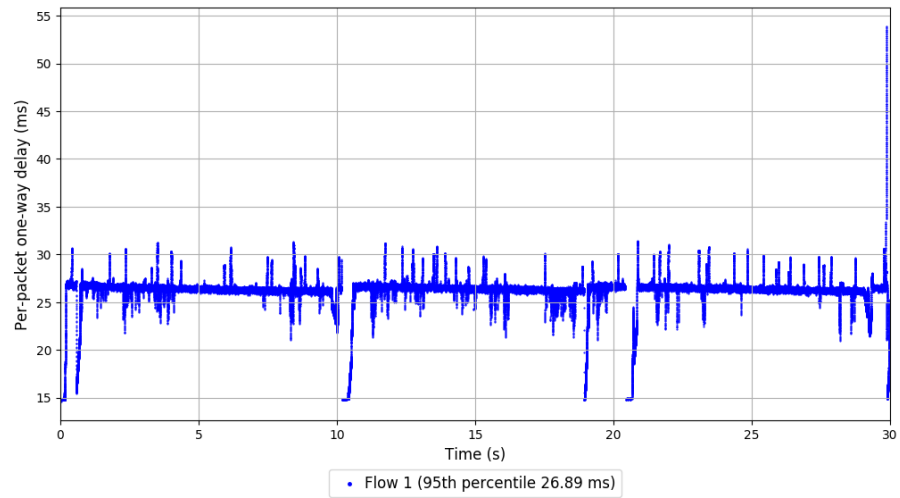
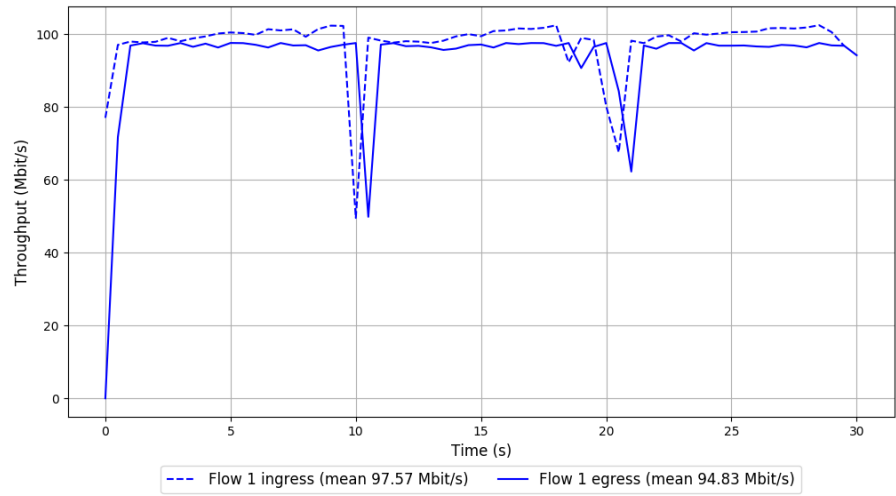
-- Flow 1:

Average throughput: 94.83 Mbit/s

95th percentile per-packet one-way delay: 26.890 ms

Loss rate: 2.88%

Run 3: Report of TCP BBR — Data Link



Run 4: Statistics of TCP BBR

Start at: 2018-06-19 02:40:08

End at: 2018-06-19 02:40:38

Local clock offset: 2.425 ms

Remote clock offset: -7.86 ms

Below is generated by plot.py at 2018-06-19 04:55:46

Datalink statistics

-- Total of 1 flow:

Average throughput: 94.29 Mbit/s

95th percentile per-packet one-way delay: 29.544 ms

Loss rate: 2.59%

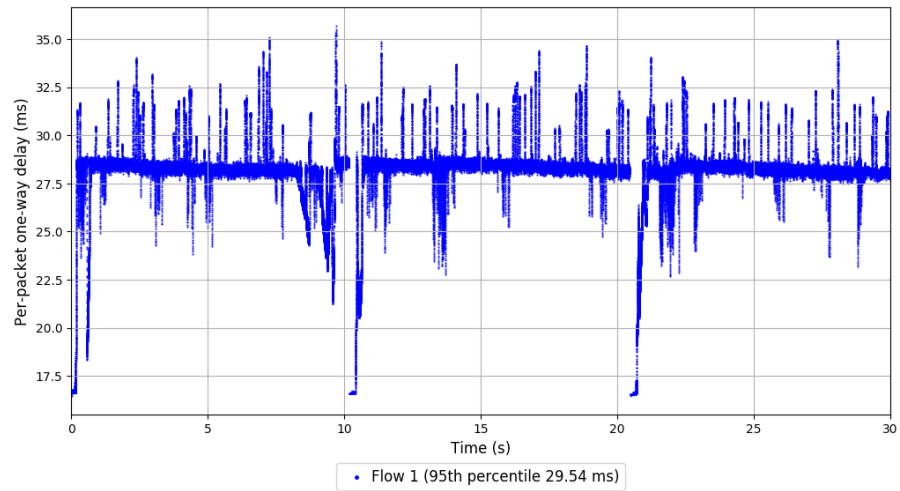
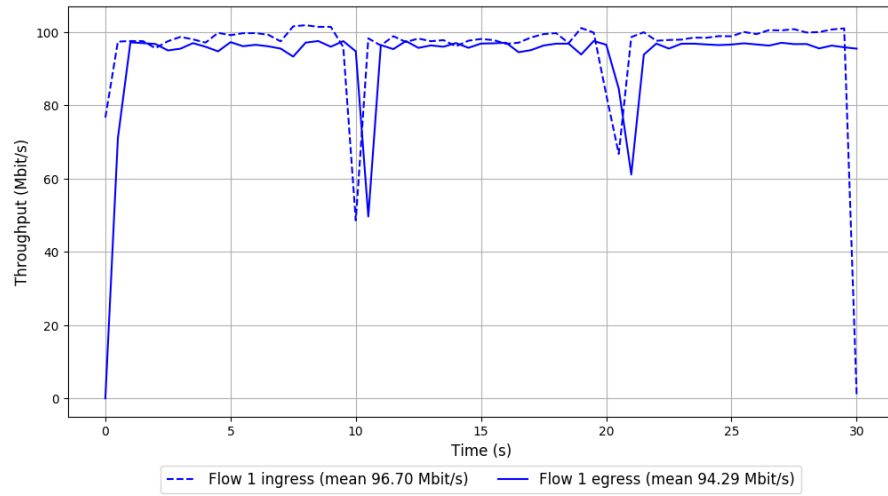
-- Flow 1:

Average throughput: 94.29 Mbit/s

95th percentile per-packet one-way delay: 29.544 ms

Loss rate: 2.59%

Run 4: Report of TCP BBR — Data Link

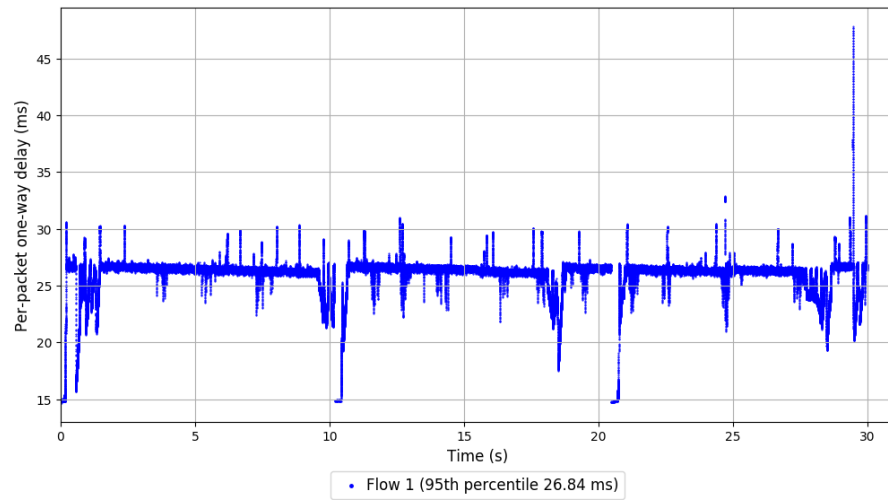
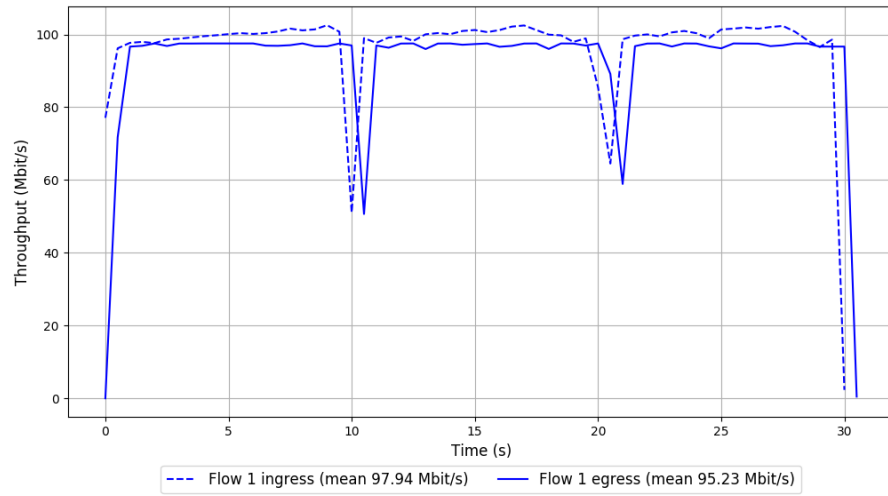


Run 5: Statistics of TCP BBR

Start at: 2018-06-19 02:59:18
End at: 2018-06-19 02:59:48
Local clock offset: 1.452 ms
Remote clock offset: -11.53 ms

Below is generated by plot.py at 2018-06-19 04:55:47
Datalink statistics
-- Total of 1 flow:
Average throughput: 95.23 Mbit/s
95th percentile per-packet one-way delay: 26.839 ms
Loss rate: 2.86%
-- Flow 1:
Average throughput: 95.23 Mbit/s
95th percentile per-packet one-way delay: 26.839 ms
Loss rate: 2.86%

Run 5: Report of TCP BBR — Data Link

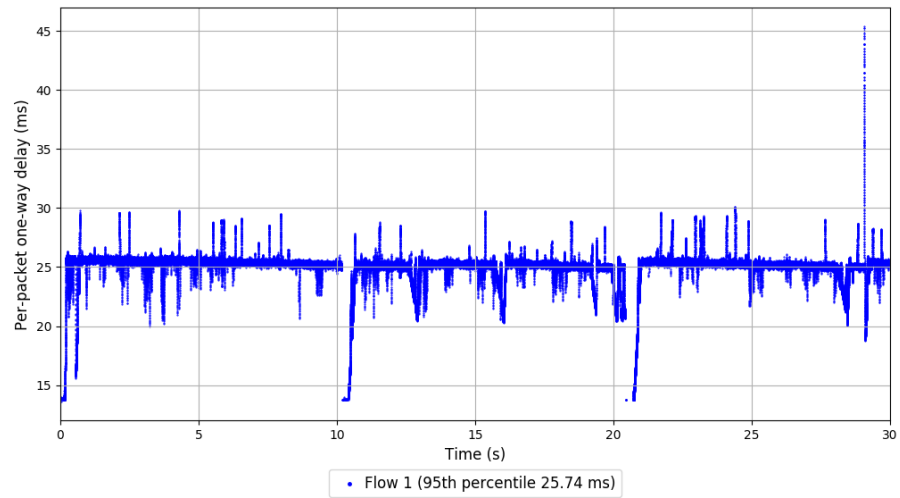
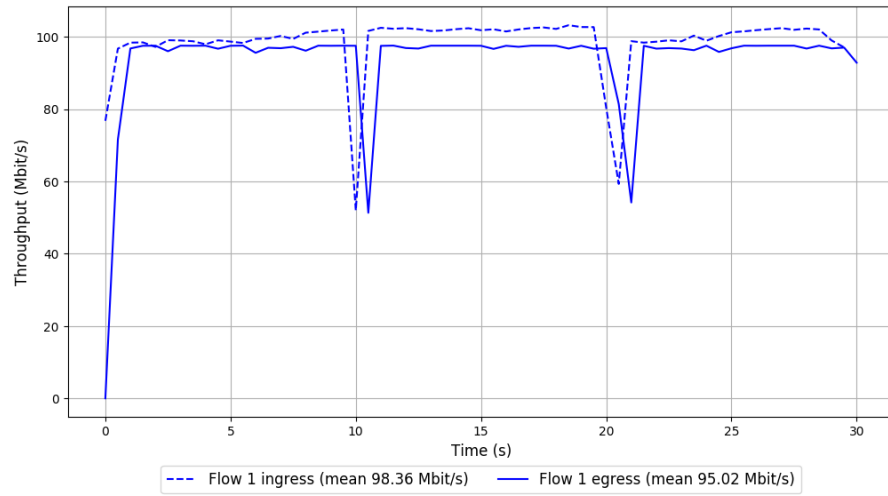


Run 6: Statistics of TCP BBR

Start at: 2018-06-19 03:18:25
End at: 2018-06-19 03:18:55
Local clock offset: 0.96 ms
Remote clock offset: -13.645 ms

Below is generated by plot.py at 2018-06-19 04:55:47
Datalink statistics
-- Total of 1 flow:
Average throughput: 95.02 Mbit/s
95th percentile per-packet one-way delay: 25.742 ms
Loss rate: 3.49%
-- Flow 1:
Average throughput: 95.02 Mbit/s
95th percentile per-packet one-way delay: 25.742 ms
Loss rate: 3.49%

Run 6: Report of TCP BBR — Data Link

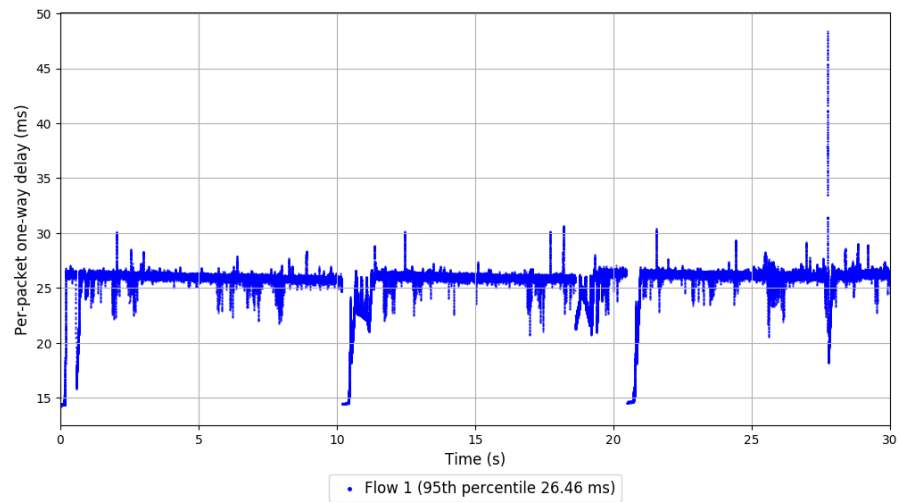
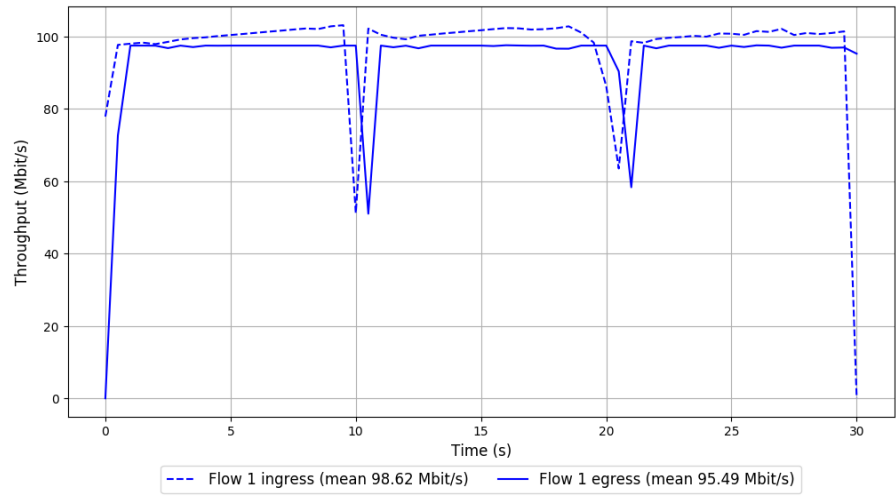


Run 7: Statistics of TCP BBR

Start at: 2018-06-19 03:37:33
End at: 2018-06-19 03:38:03
Local clock offset: 1.847 ms
Remote clock offset: -8.223 ms

Below is generated by plot.py at 2018-06-19 04:55:47
Datalink statistics
-- Total of 1 flow:
Average throughput: 95.49 Mbit/s
95th percentile per-packet one-way delay: 26.459 ms
Loss rate: 3.27%
-- Flow 1:
Average throughput: 95.49 Mbit/s
95th percentile per-packet one-way delay: 26.459 ms
Loss rate: 3.27%

Run 7: Report of TCP BBR — Data Link



Run 8: Statistics of TCP BBR

Start at: 2018-06-19 03:56:23

End at: 2018-06-19 03:56:53

Local clock offset: 0.864 ms

Remote clock offset: -4.596 ms

Below is generated by plot.py at 2018-06-19 04:55:48

Datalink statistics

-- Total of 1 flow:

Average throughput: 95.60 Mbit/s

95th percentile per-packet one-way delay: 27.183 ms

Loss rate: 3.19%

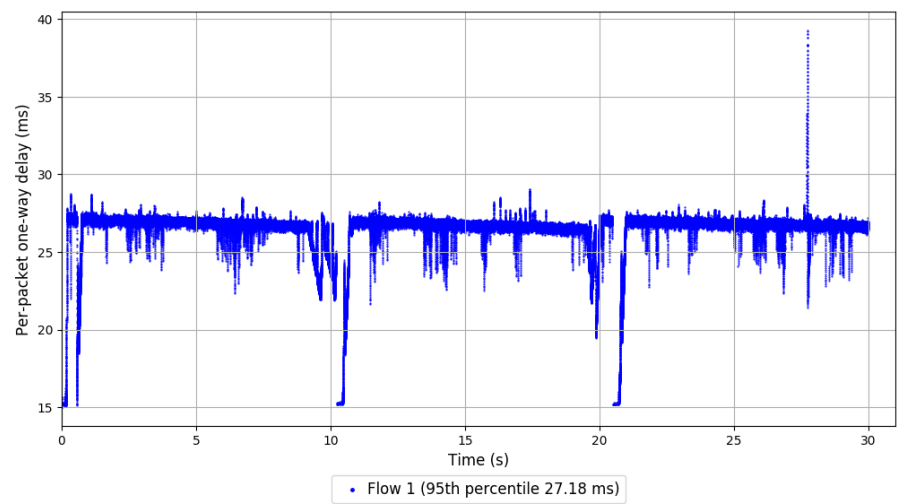
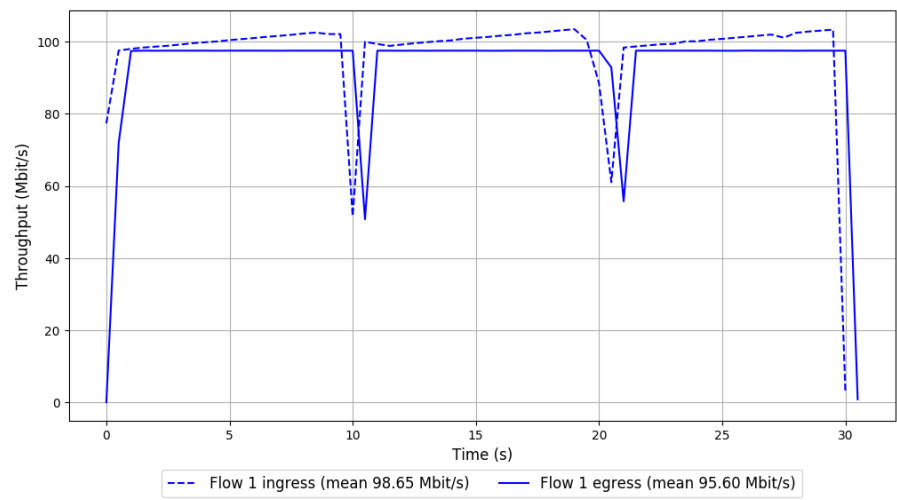
-- Flow 1:

Average throughput: 95.60 Mbit/s

95th percentile per-packet one-way delay: 27.183 ms

Loss rate: 3.19%

Run 8: Report of TCP BBR — Data Link



Run 9: Statistics of TCP BBR

Start at: 2018-06-19 04:15:14

End at: 2018-06-19 04:15:44

Local clock offset: 2.086 ms

Remote clock offset: -0.3 ms

Below is generated by plot.py at 2018-06-19 04:56:40

Datalink statistics

-- Total of 1 flow:

Average throughput: 95.53 Mbit/s

95th percentile per-packet one-way delay: 26.749 ms

Loss rate: 3.35%

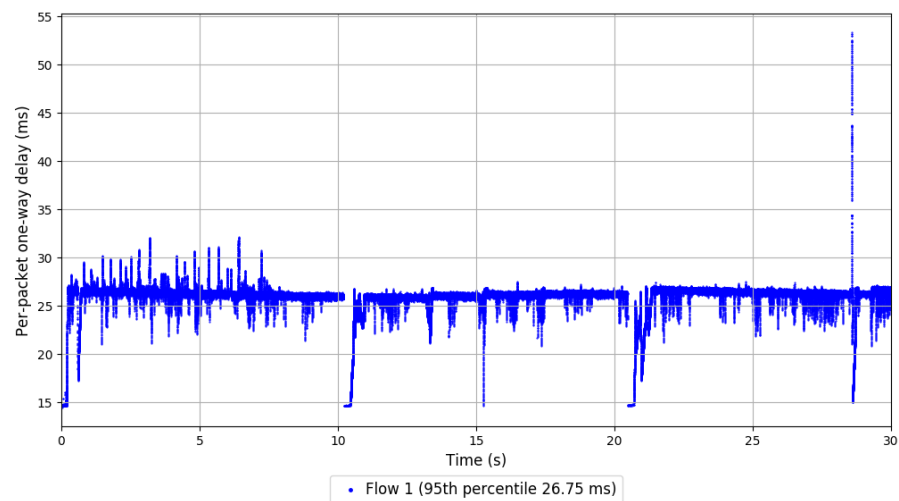
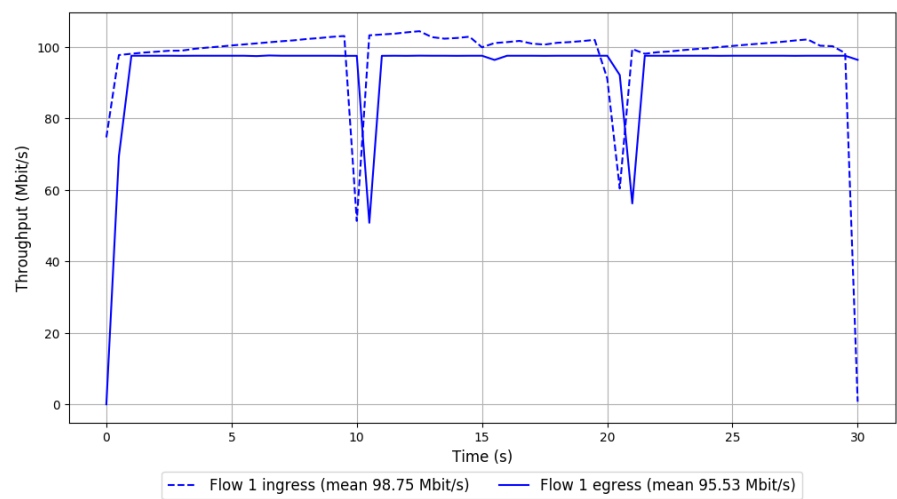
-- Flow 1:

Average throughput: 95.53 Mbit/s

95th percentile per-packet one-way delay: 26.749 ms

Loss rate: 3.35%

Run 9: Report of TCP BBR — Data Link



Run 10: Statistics of TCP BBR

Start at: 2018-06-19 04:34:10

End at: 2018-06-19 04:34:40

Local clock offset: 2.305 ms

Remote clock offset: 0.855 ms

Below is generated by plot.py at 2018-06-19 04:56:40

Datalink statistics

-- Total of 1 flow:

Average throughput: 95.53 Mbit/s

95th percentile per-packet one-way delay: 27.766 ms

Loss rate: 2.11%

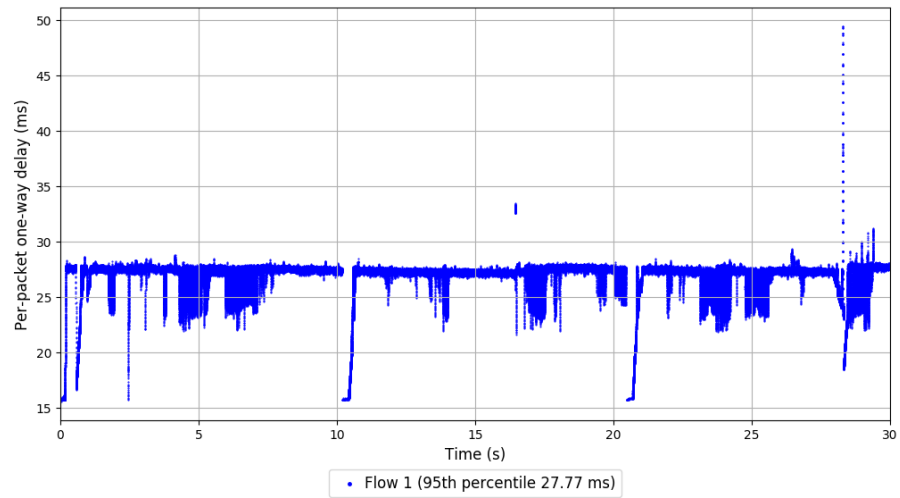
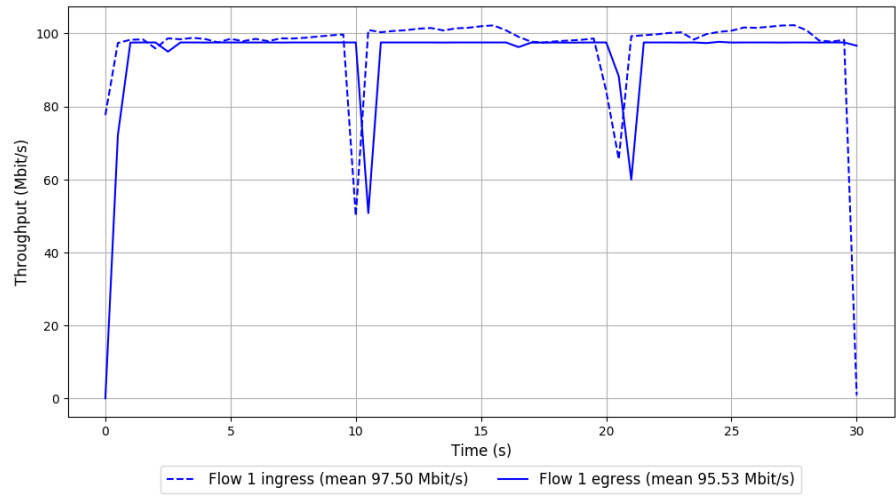
-- Flow 1:

Average throughput: 95.53 Mbit/s

95th percentile per-packet one-way delay: 27.766 ms

Loss rate: 2.11%

Run 10: Report of TCP BBR — Data Link

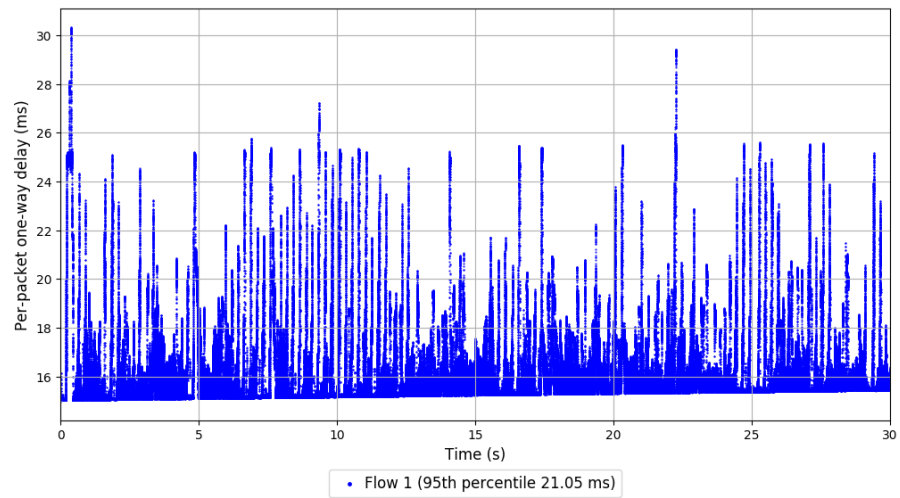
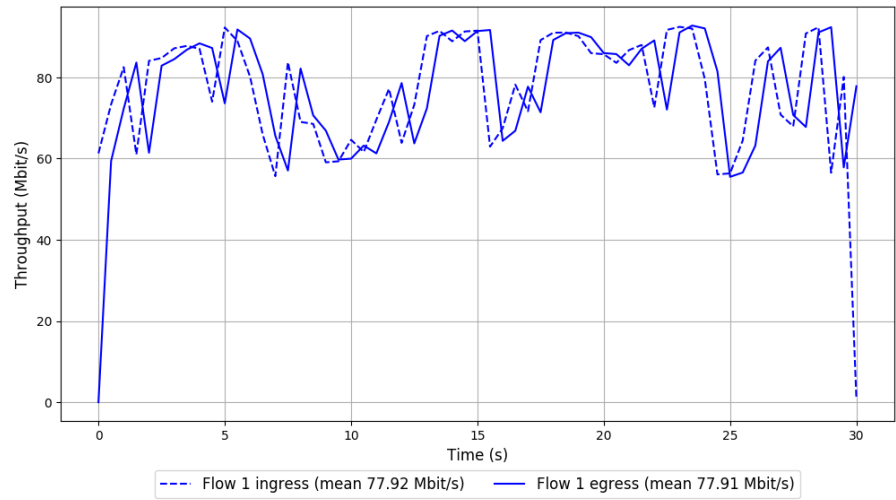


Run 1: Statistics of Copa

Start at: 2018-06-19 01:48:41
End at: 2018-06-19 01:49:11
Local clock offset: 2.048 ms
Remote clock offset: -5.192 ms

Below is generated by plot.py at 2018-06-19 04:57:23
Datalink statistics
-- Total of 1 flow:
Average throughput: 77.91 Mbit/s
95th percentile per-packet one-way delay: 21.051 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 77.91 Mbit/s
95th percentile per-packet one-way delay: 21.051 ms
Loss rate: 0.10%

Run 1: Report of Copa — Data Link



Run 2: Statistics of Copa

Start at: 2018-06-19 02:07:31

End at: 2018-06-19 02:08:01

Local clock offset: 1.936 ms

Remote clock offset: 2.814 ms

Below is generated by plot.py at 2018-06-19 04:57:27

Datalink statistics

-- Total of 1 flow:

Average throughput: 81.50 Mbit/s

95th percentile per-packet one-way delay: 21.166 ms

Loss rate: 0.09%

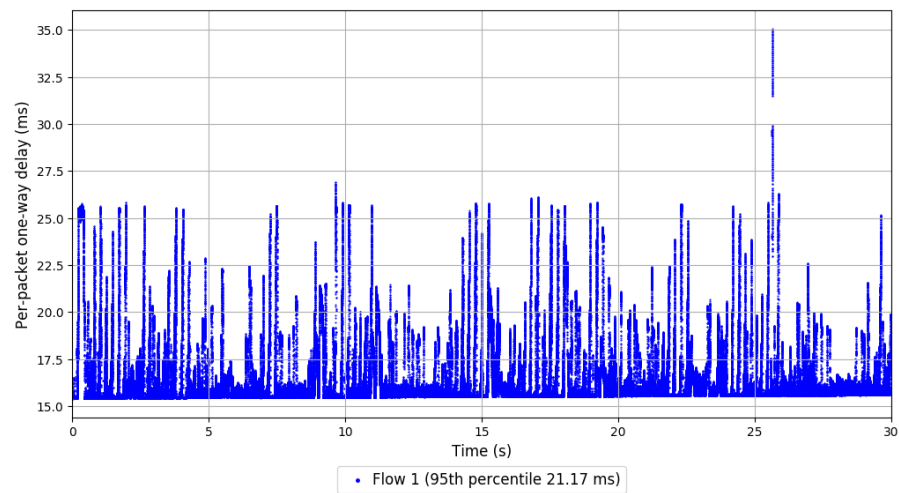
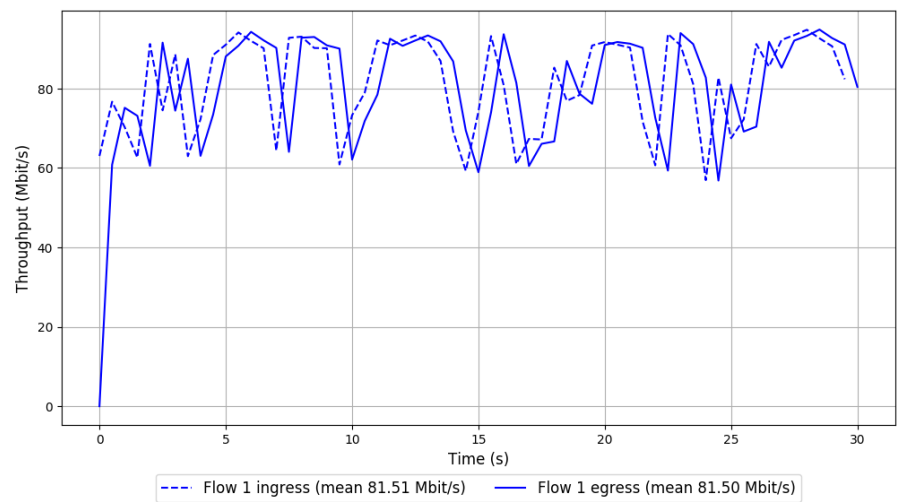
-- Flow 1:

Average throughput: 81.50 Mbit/s

95th percentile per-packet one-way delay: 21.166 ms

Loss rate: 0.09%

Run 2: Report of Copa — Data Link

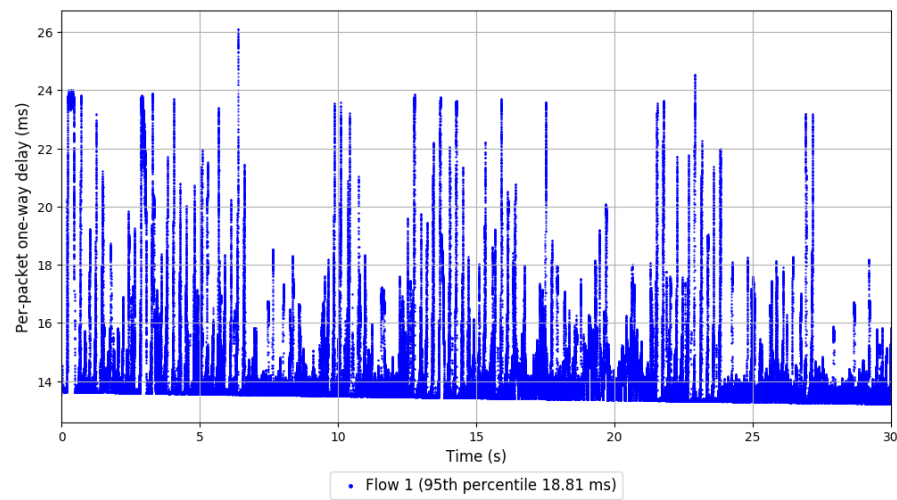
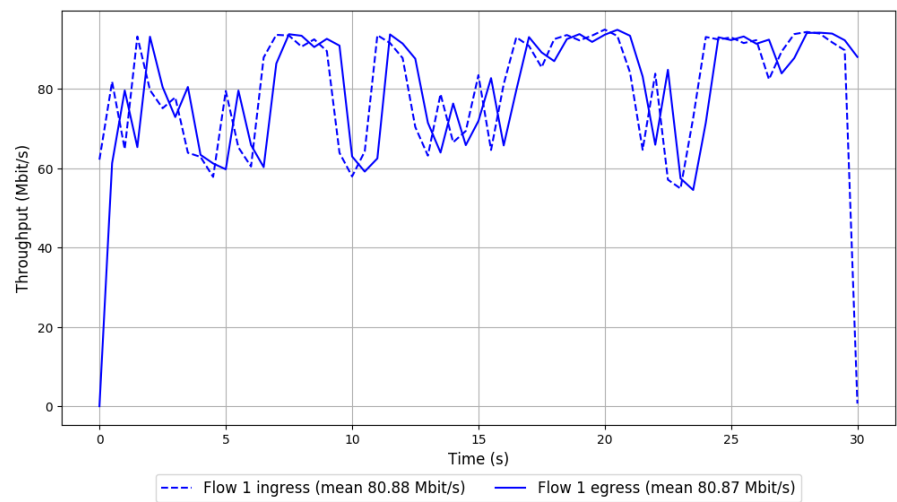


Run 3: Statistics of Copa

Start at: 2018-06-19 02:26:38
End at: 2018-06-19 02:27:08
Local clock offset: -0.96 ms
Remote clock offset: -0.743 ms

Below is generated by plot.py at 2018-06-19 04:57:27
Datalink statistics
-- Total of 1 flow:
Average throughput: 80.87 Mbit/s
95th percentile per-packet one-way delay: 18.807 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 80.87 Mbit/s
95th percentile per-packet one-way delay: 18.807 ms
Loss rate: 0.09%

Run 3: Report of Copa — Data Link

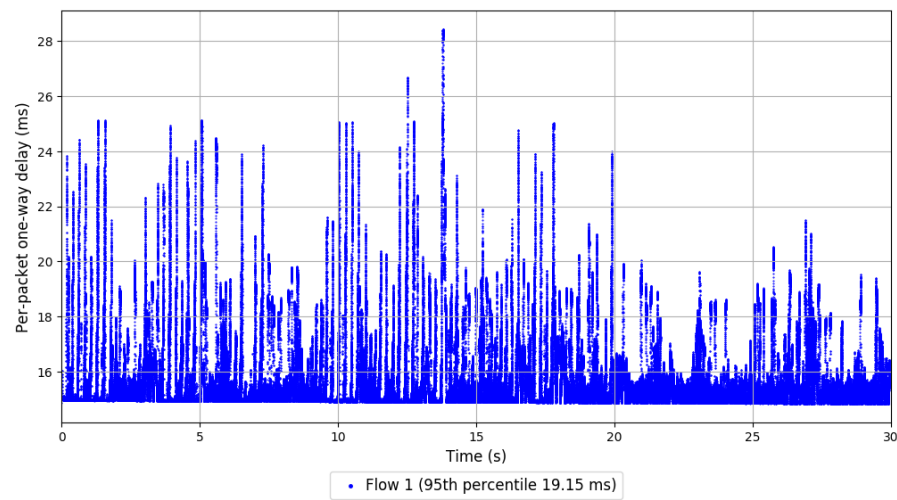
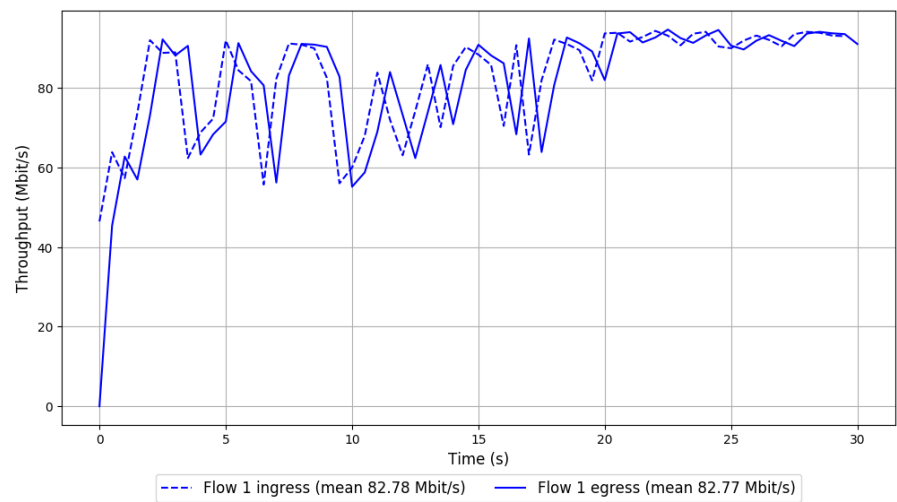


Run 4: Statistics of Copa

Start at: 2018-06-19 02:46:11
End at: 2018-06-19 02:46:41
Local clock offset: 0.342 ms
Remote clock offset: -10.132 ms

Below is generated by plot.py at 2018-06-19 04:57:29
Datalink statistics
-- Total of 1 flow:
Average throughput: 82.77 Mbit/s
95th percentile per-packet one-way delay: 19.148 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 82.77 Mbit/s
95th percentile per-packet one-way delay: 19.148 ms
Loss rate: 0.09%

Run 4: Report of Copa — Data Link



Run 5: Statistics of Copa

Start at: 2018-06-19 03:05:21

End at: 2018-06-19 03:05:51

Local clock offset: 3.168 ms

Remote clock offset: -11.704 ms

Below is generated by plot.py at 2018-06-19 04:57:30

Datalink statistics

-- Total of 1 flow:

Average throughput: 83.52 Mbit/s

95th percentile per-packet one-way delay: 21.604 ms

Loss rate: 0.04%

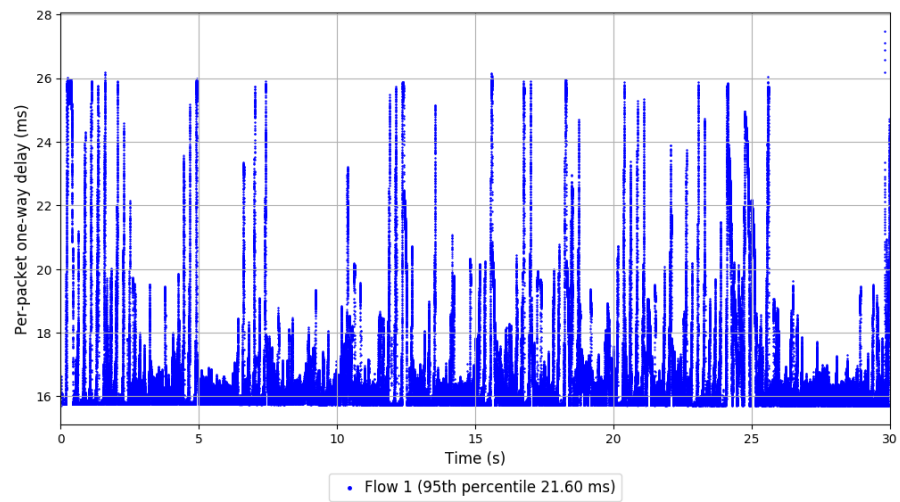
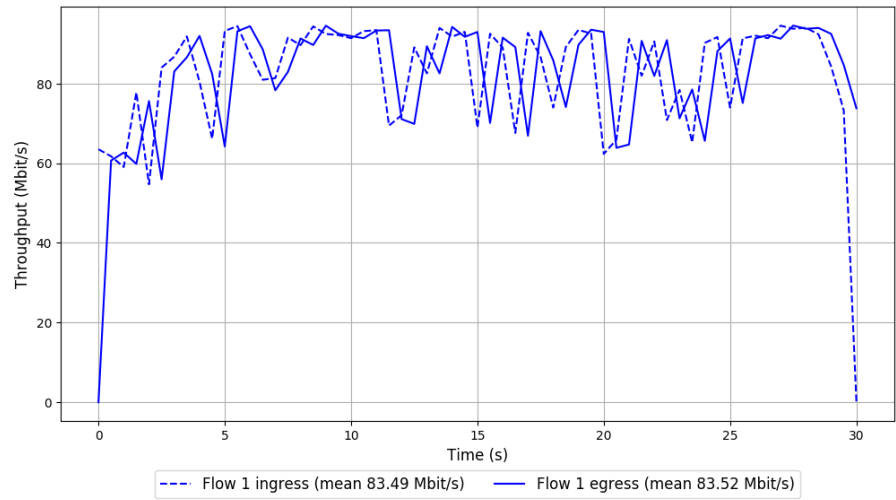
-- Flow 1:

Average throughput: 83.52 Mbit/s

95th percentile per-packet one-way delay: 21.604 ms

Loss rate: 0.04%

Run 5: Report of Copa — Data Link



Run 6: Statistics of Copa

Start at: 2018-06-19 03:24:35

End at: 2018-06-19 03:25:05

Local clock offset: 1.3 ms

Remote clock offset: -15.776 ms

Below is generated by plot.py at 2018-06-19 04:57:32

Datalink statistics

-- Total of 1 flow:

Average throughput: 85.08 Mbit/s

95th percentile per-packet one-way delay: 20.606 ms

Loss rate: 0.09%

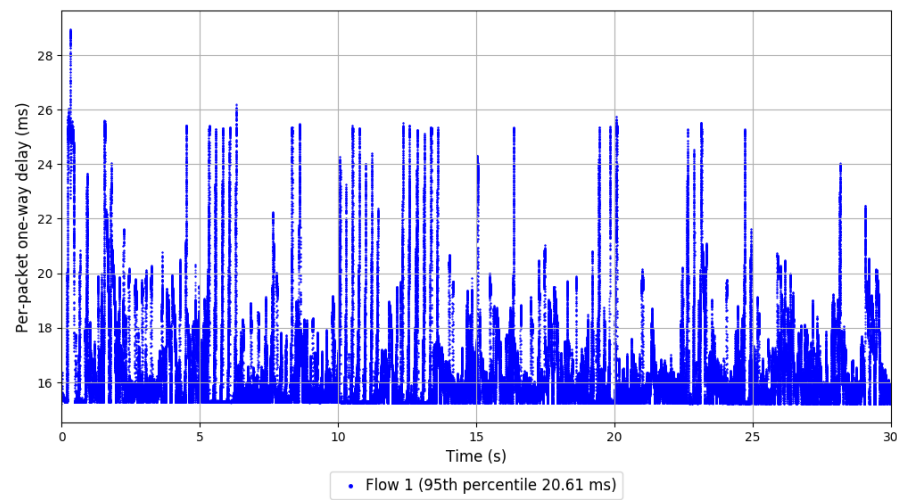
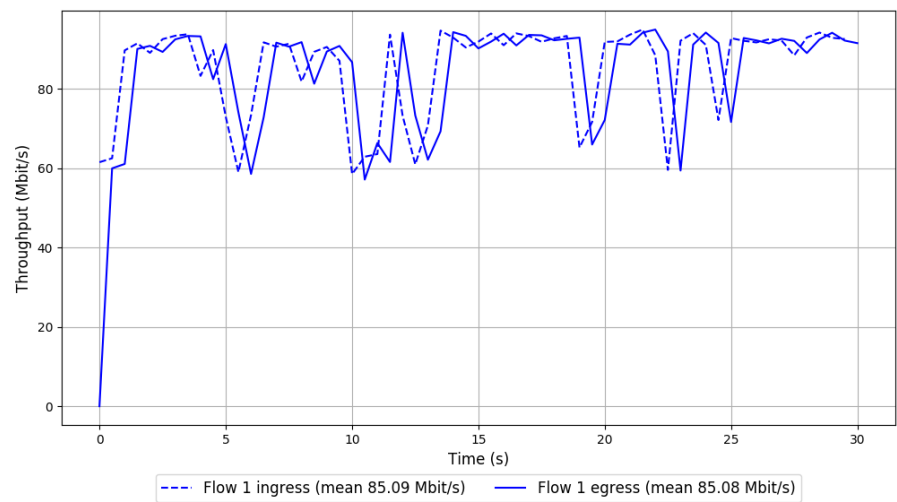
-- Flow 1:

Average throughput: 85.08 Mbit/s

95th percentile per-packet one-way delay: 20.606 ms

Loss rate: 0.09%

Run 6: Report of Copa — Data Link

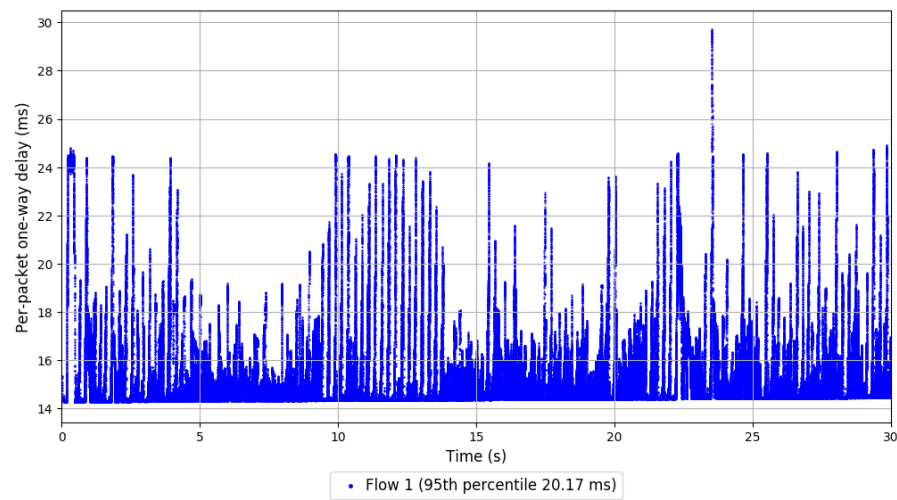
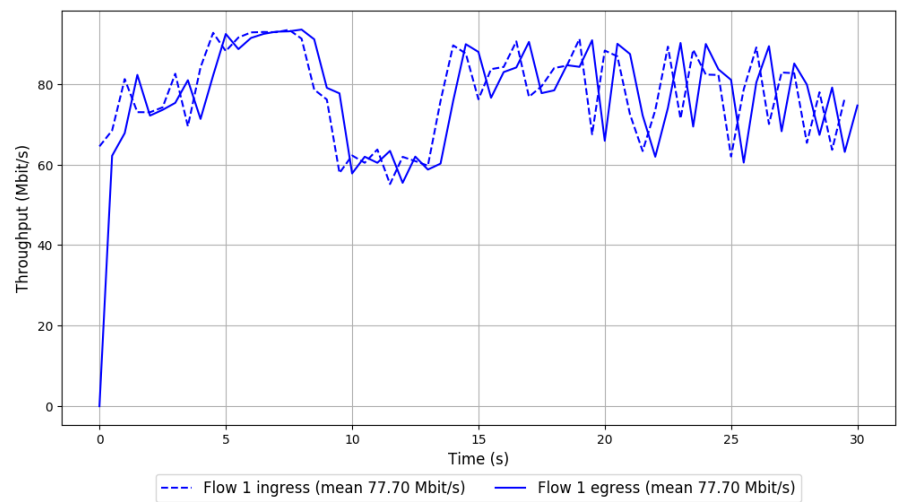


Run 7: Statistics of Copa

Start at: 2018-06-19 03:43:27
End at: 2018-06-19 03:43:57
Local clock offset: 0.039 ms
Remote clock offset: -7.191 ms

Below is generated by plot.py at 2018-06-19 04:58:31
Datalink statistics
-- Total of 1 flow:
Average throughput: 77.70 Mbit/s
95th percentile per-packet one-way delay: 20.173 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 77.70 Mbit/s
95th percentile per-packet one-way delay: 20.173 ms
Loss rate: 0.08%

Run 7: Report of Copa — Data Link

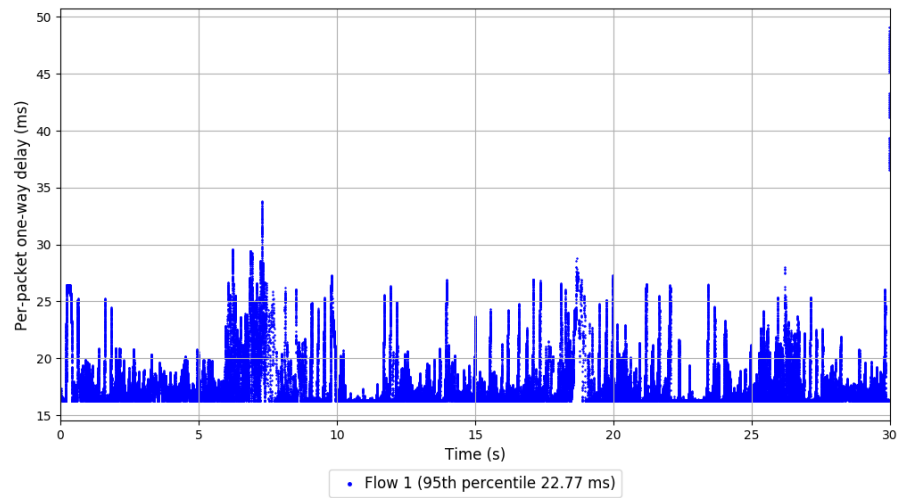
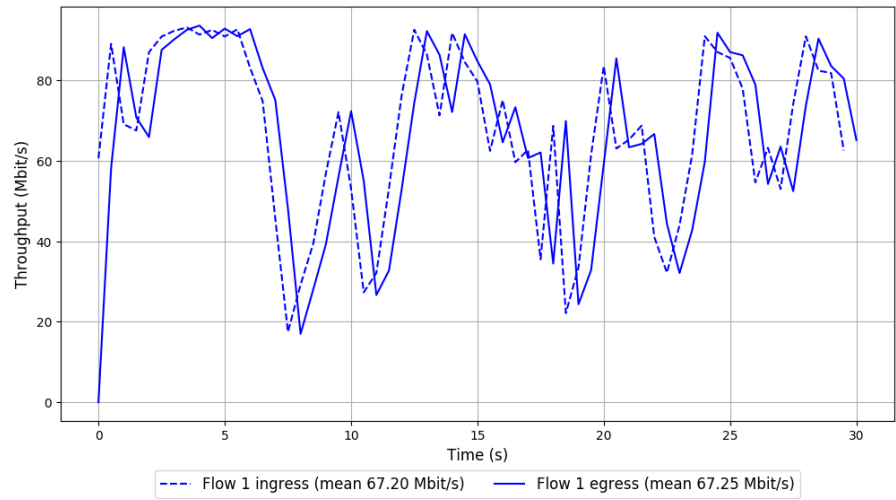


Run 8: Statistics of Copa

Start at: 2018-06-19 04:02:30
End at: 2018-06-19 04:03:00
Local clock offset: 1.704 ms
Remote clock offset: -4.253 ms

Below is generated by plot.py at 2018-06-19 04:58:31
Datalink statistics
-- Total of 1 flow:
Average throughput: 67.25 Mbit/s
95th percentile per-packet one-way delay: 22.773 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 67.25 Mbit/s
95th percentile per-packet one-way delay: 22.773 ms
Loss rate: 0.02%

Run 8: Report of Copa — Data Link

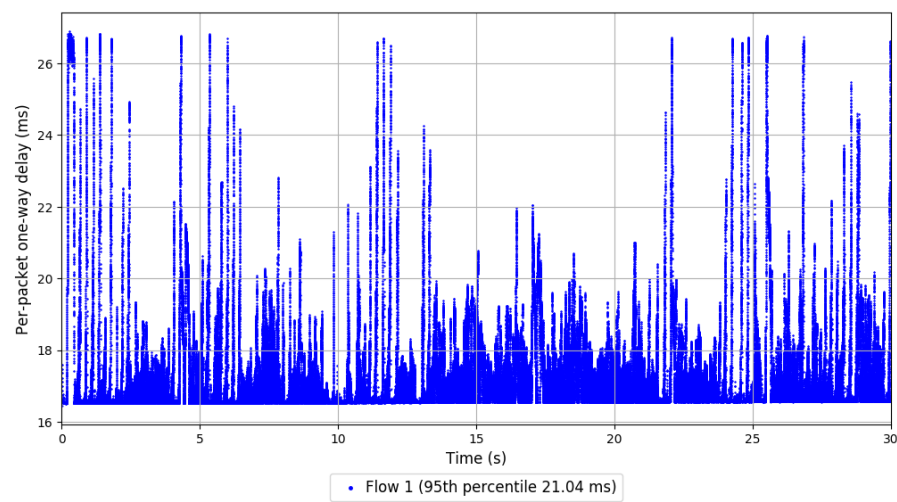
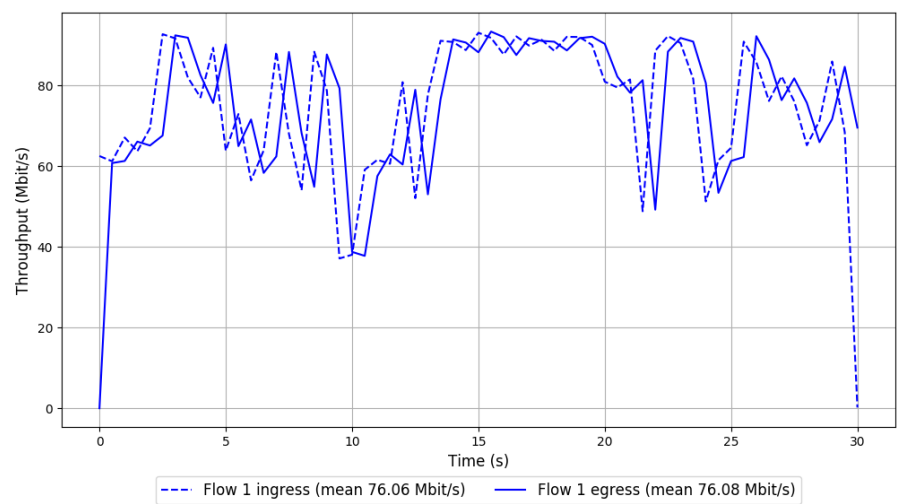


Run 9: Statistics of Copa

Start at: 2018-06-19 04:21:19
End at: 2018-06-19 04:21:49
Local clock offset: 3.461 ms
Remote clock offset: -0.084 ms

Below is generated by plot.py at 2018-06-19 04:58:59
Datalink statistics
-- Total of 1 flow:
Average throughput: 76.08 Mbit/s
95th percentile per-packet one-way delay: 21.037 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 76.08 Mbit/s
95th percentile per-packet one-way delay: 21.037 ms
Loss rate: 0.05%

Run 9: Report of Copa — Data Link



Run 10: Statistics of Copa

Start at: 2018-06-19 04:40:12

End at: 2018-06-19 04:40:42

Local clock offset: 1.019 ms

Remote clock offset: 0.298 ms

Below is generated by plot.py at 2018-06-19 04:59:00

Datalink statistics

-- Total of 1 flow:

Average throughput: 73.92 Mbit/s

95th percentile per-packet one-way delay: 17.138 ms

Loss rate: 0.12%

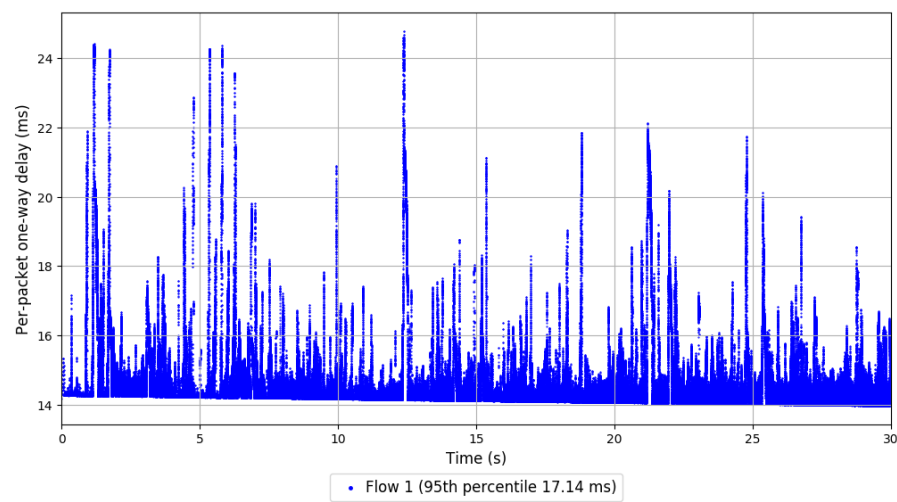
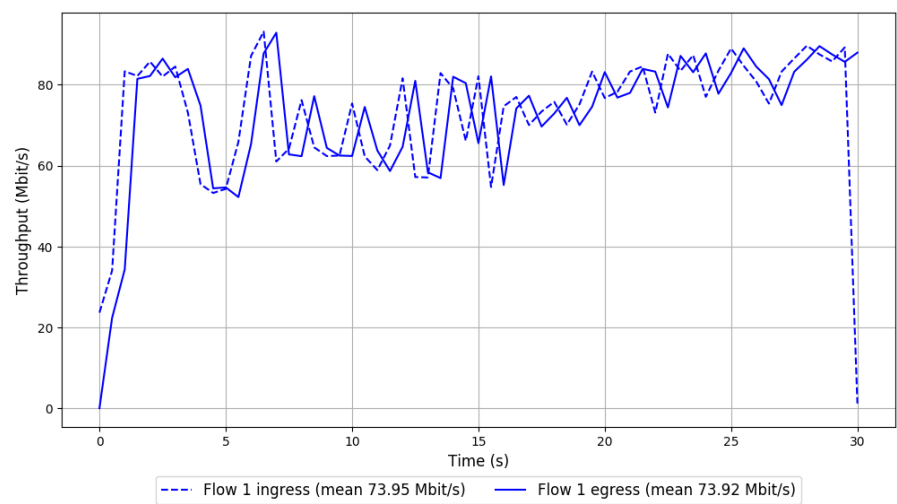
-- Flow 1:

Average throughput: 73.92 Mbit/s

95th percentile per-packet one-way delay: 17.138 ms

Loss rate: 0.12%

Run 10: Report of Copa — Data Link

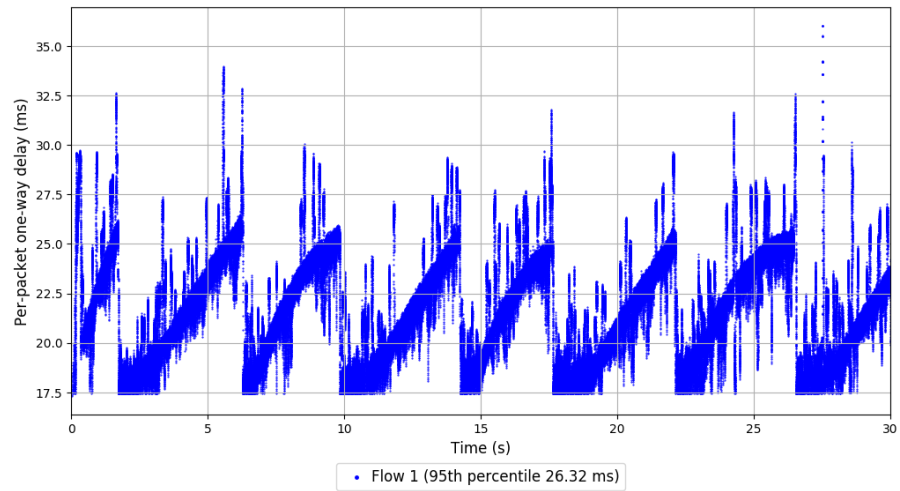
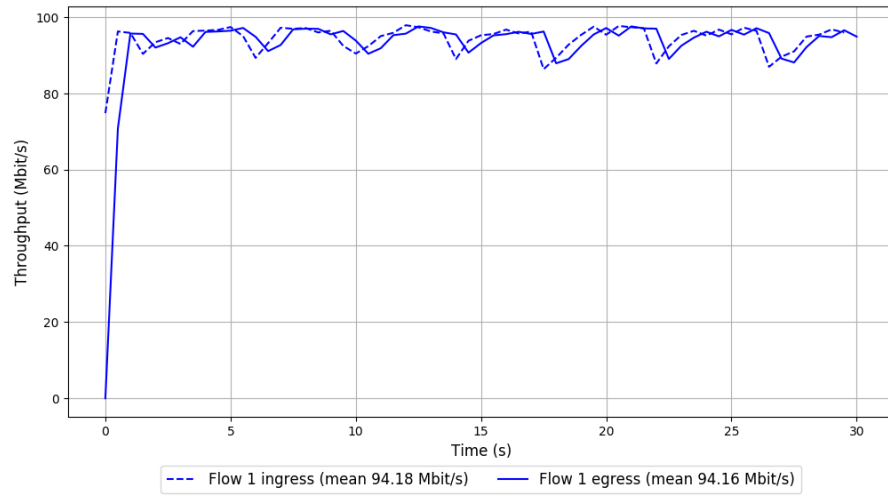


Run 1: Statistics of TCP Cubic

Start at: 2018-06-19 01:46:18
End at: 2018-06-19 01:46:48
Local clock offset: 4.417 ms
Remote clock offset: -6.567 ms

Below is generated by plot.py at 2018-06-19 04:59:00
Datalink statistics
-- Total of 1 flow:
Average throughput: 94.16 Mbit/s
95th percentile per-packet one-way delay: 26.322 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 94.16 Mbit/s
95th percentile per-packet one-way delay: 26.322 ms
Loss rate: 0.10%

Run 1: Report of TCP Cubic — Data Link



Run 2: Statistics of TCP Cubic

Start at: 2018-06-19 02:05:13

End at: 2018-06-19 02:05:43

Local clock offset: 3.648 ms

Remote clock offset: 2.429 ms

Below is generated by plot.py at 2018-06-19 04:59:00

Datalink statistics

-- Total of 1 flow:

Average throughput: 94.54 Mbit/s

95th percentile per-packet one-way delay: 25.482 ms

Loss rate: 0.11%

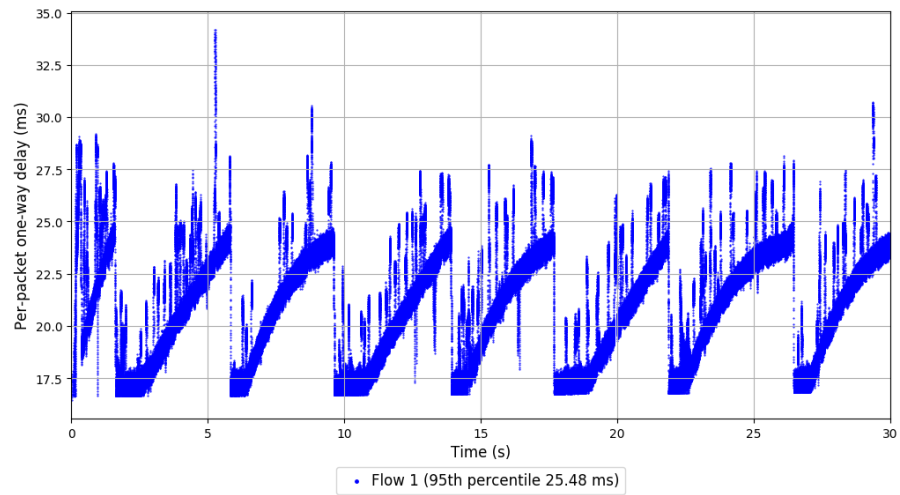
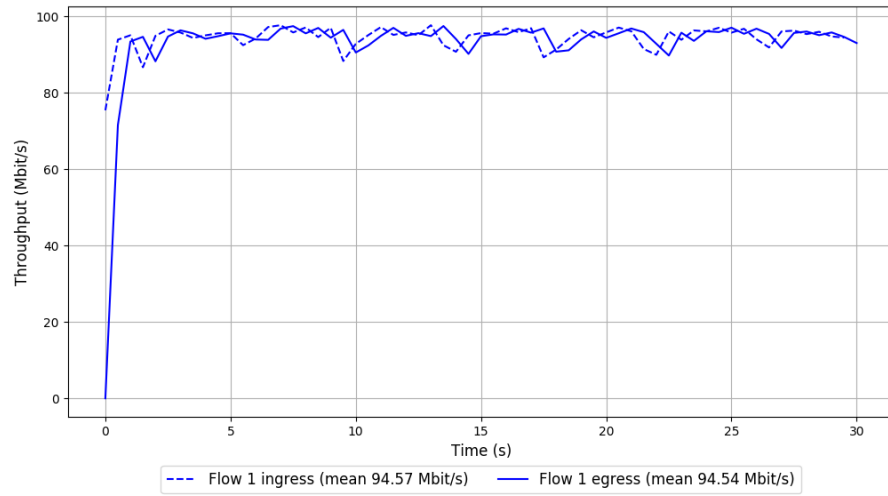
-- Flow 1:

Average throughput: 94.54 Mbit/s

95th percentile per-packet one-way delay: 25.482 ms

Loss rate: 0.11%

Run 2: Report of TCP Cubic — Data Link



Run 3: Statistics of TCP Cubic

Start at: 2018-06-19 02:24:13

End at: 2018-06-19 02:24:43

Local clock offset: -0.904 ms

Remote clock offset: 1.09 ms

Below is generated by plot.py at 2018-06-19 04:59:00

Datalink statistics

-- Total of 1 flow:

Average throughput: 95.32 Mbit/s

95th percentile per-packet one-way delay: 21.560 ms

Loss rate: 0.10%

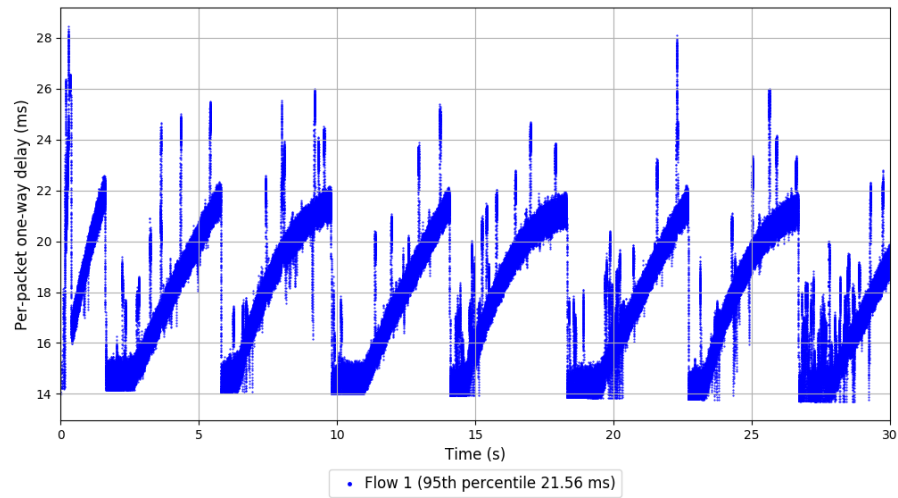
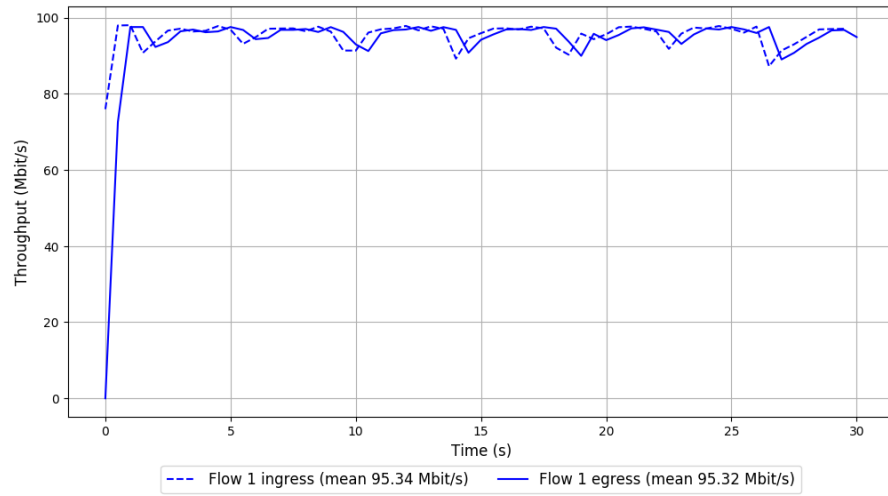
-- Flow 1:

Average throughput: 95.32 Mbit/s

95th percentile per-packet one-way delay: 21.560 ms

Loss rate: 0.10%

Run 3: Report of TCP Cubic — Data Link

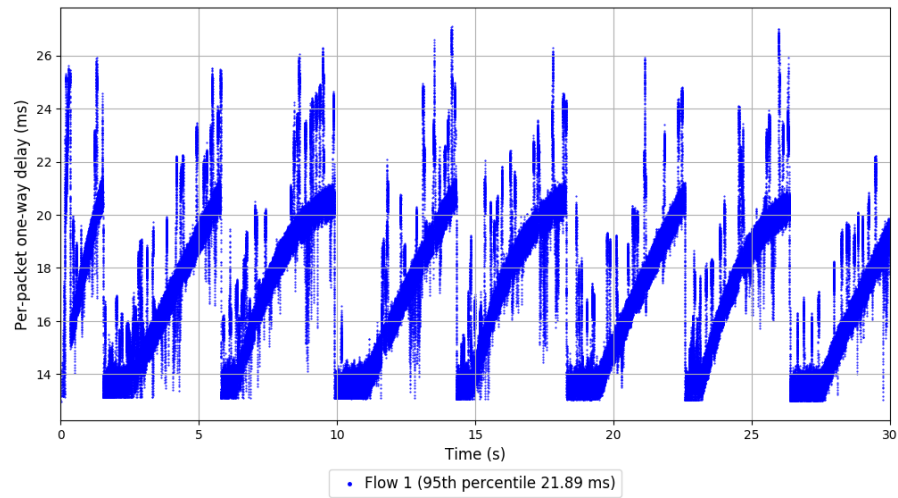
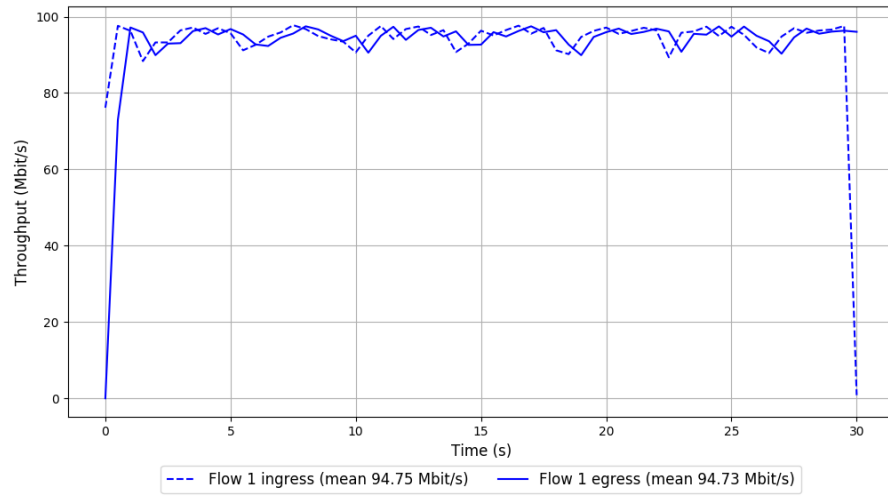


Run 4: Statistics of TCP Cubic

Start at: 2018-06-19 02:43:43
End at: 2018-06-19 02:44:13
Local clock offset: -0.266 ms
Remote clock offset: -8.246 ms

Below is generated by plot.py at 2018-06-19 04:59:00
Datalink statistics
-- Total of 1 flow:
Average throughput: 94.73 Mbit/s
95th percentile per-packet one-way delay: 21.890 ms
Loss rate: 0.11%
-- Flow 1:
Average throughput: 94.73 Mbit/s
95th percentile per-packet one-way delay: 21.890 ms
Loss rate: 0.11%

Run 4: Report of TCP Cubic — Data Link

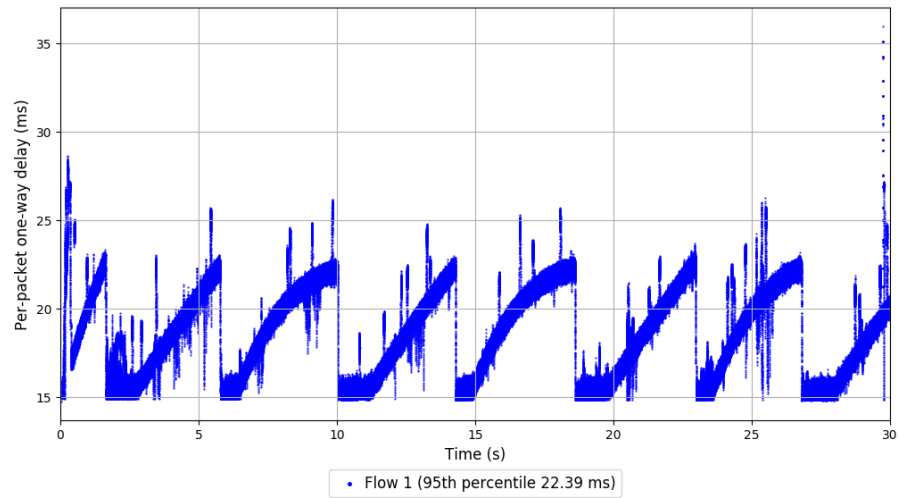
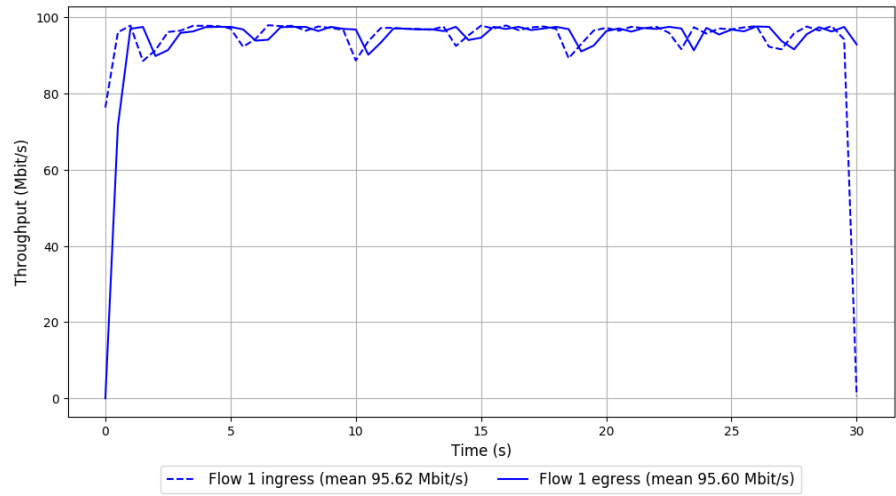


Run 5: Statistics of TCP Cubic

Start at: 2018-06-19 03:02:57
End at: 2018-06-19 03:03:27
Local clock offset: 1.242 ms
Remote clock offset: -12.471 ms

Below is generated by plot.py at 2018-06-19 04:59:33
Datalink statistics
-- Total of 1 flow:
Average throughput: 95.60 Mbit/s
95th percentile per-packet one-way delay: 22.386 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 95.60 Mbit/s
95th percentile per-packet one-way delay: 22.386 ms
Loss rate: 0.10%

Run 5: Report of TCP Cubic — Data Link

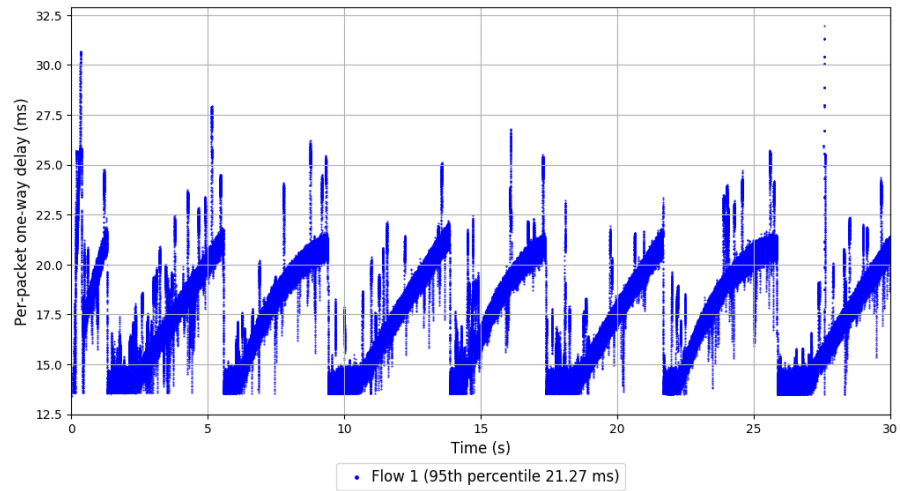
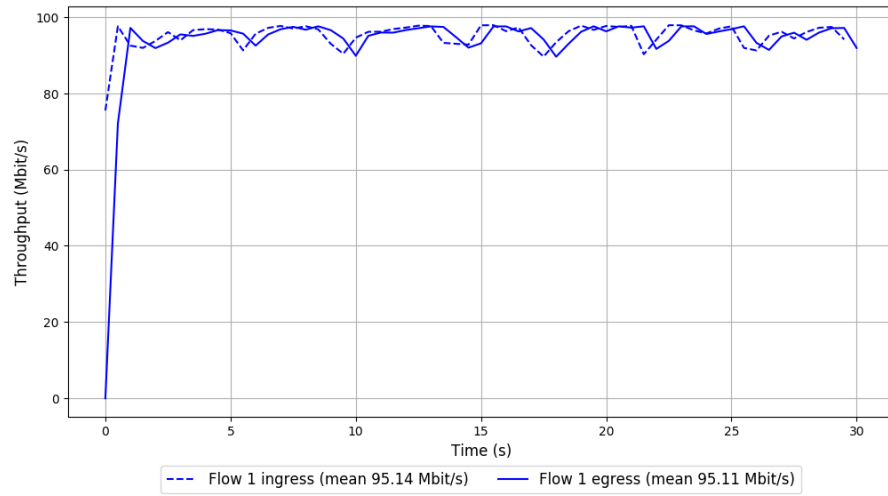


Run 6: Statistics of TCP Cubic

Start at: 2018-06-19 03:22:10
End at: 2018-06-19 03:22:40
Local clock offset: 0.649 ms
Remote clock offset: -14.335 ms

Below is generated by plot.py at 2018-06-19 04:59:38
Datalink statistics
-- Total of 1 flow:
Average throughput: 95.11 Mbit/s
95th percentile per-packet one-way delay: 21.271 ms
Loss rate: 0.11%
-- Flow 1:
Average throughput: 95.11 Mbit/s
95th percentile per-packet one-way delay: 21.271 ms
Loss rate: 0.11%

Run 6: Report of TCP Cubic — Data Link

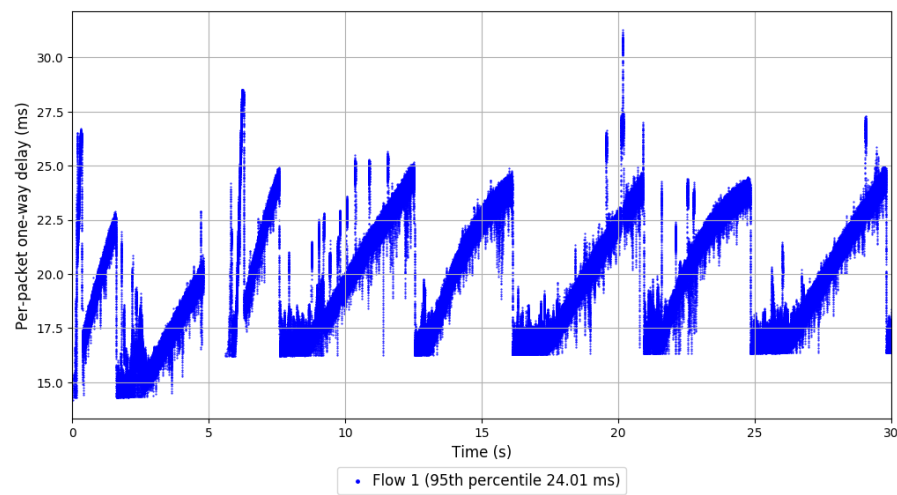
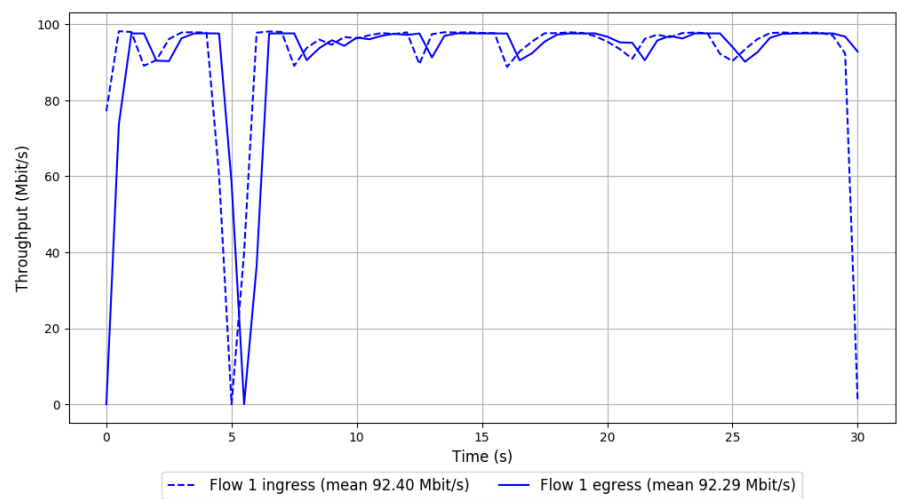


Run 7: Statistics of TCP Cubic

Start at: 2018-06-19 03:41:05
End at: 2018-06-19 03:41:35
Local clock offset: 0.749 ms
Remote clock offset: -7.425 ms

Below is generated by plot.py at 2018-06-19 04:59:38
Datalink statistics
-- Total of 1 flow:
Average throughput: 92.29 Mbit/s
95th percentile per-packet one-way delay: 24.013 ms
Loss rate: 0.20%
-- Flow 1:
Average throughput: 92.29 Mbit/s
95th percentile per-packet one-way delay: 24.013 ms
Loss rate: 0.20%

Run 7: Report of TCP Cubic — Data Link

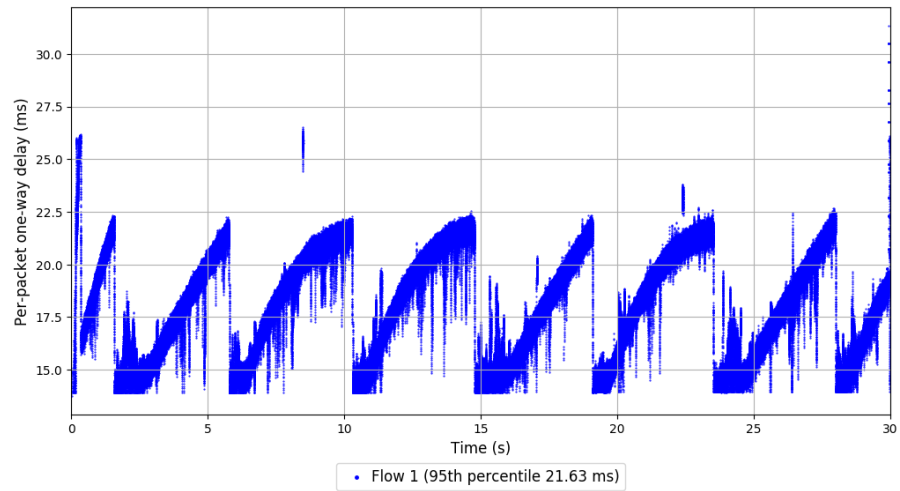
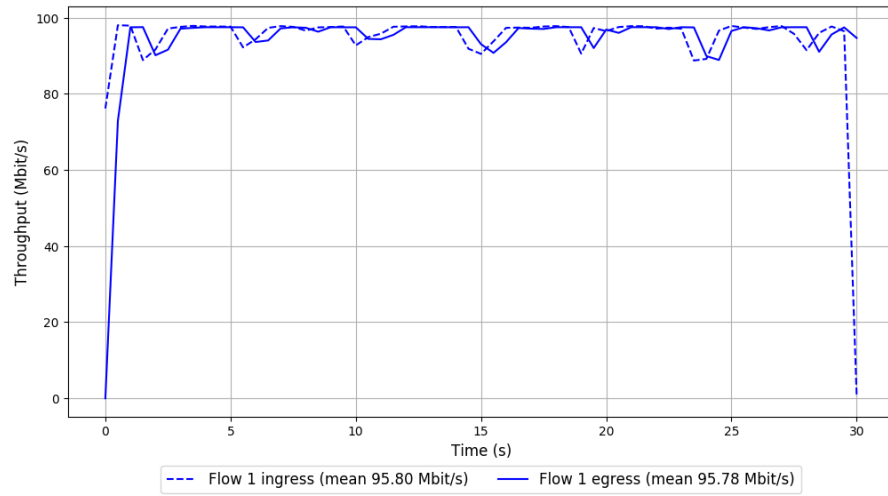


Run 8: Statistics of TCP Cubic

Start at: 2018-06-19 04:00:06
End at: 2018-06-19 04:00:36
Local clock offset: 1.121 ms
Remote clock offset: -2.699 ms

Below is generated by plot.py at 2018-06-19 04:59:40
Datalink statistics
-- Total of 1 flow:
Average throughput: 95.78 Mbit/s
95th percentile per-packet one-way delay: 21.631 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 95.78 Mbit/s
95th percentile per-packet one-way delay: 21.631 ms
Loss rate: 0.10%

Run 8: Report of TCP Cubic — Data Link

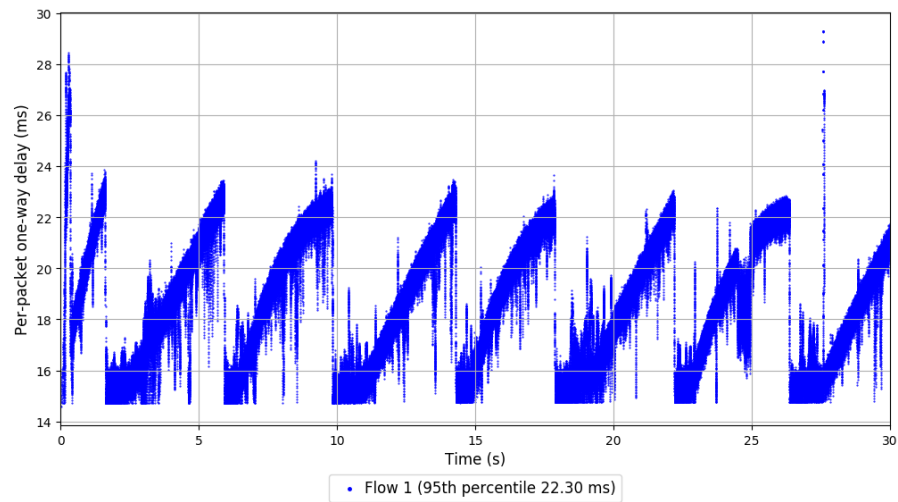
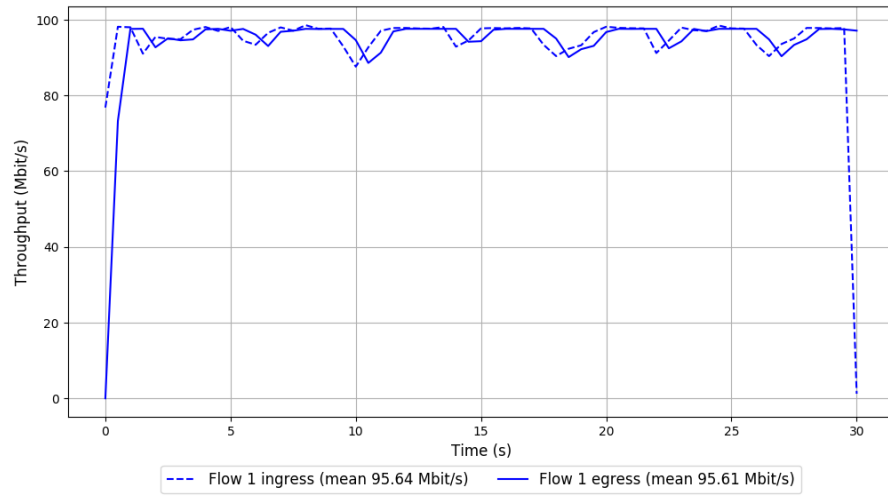


Run 9: Statistics of TCP Cubic

Start at: 2018-06-19 04:18:54
End at: 2018-06-19 04:19:24
Local clock offset: 1.239 ms
Remote clock offset: -0.788 ms

Below is generated by plot.py at 2018-06-19 04:59:43
Datalink statistics
-- Total of 1 flow:
Average throughput: 95.61 Mbit/s
95th percentile per-packet one-way delay: 22.298 ms
Loss rate: 0.11%
-- Flow 1:
Average throughput: 95.61 Mbit/s
95th percentile per-packet one-way delay: 22.298 ms
Loss rate: 0.11%

Run 9: Report of TCP Cubic — Data Link



Run 10: Statistics of TCP Cubic

Start at: 2018-06-19 04:37:49

End at: 2018-06-19 04:38:19

Local clock offset: 1.922 ms

Remote clock offset: 0.996 ms

Below is generated by plot.py at 2018-06-19 04:59:43

Datalink statistics

-- Total of 1 flow:

Average throughput: 94.35 Mbit/s

95th percentile per-packet one-way delay: 23.950 ms

Loss rate: 0.11%

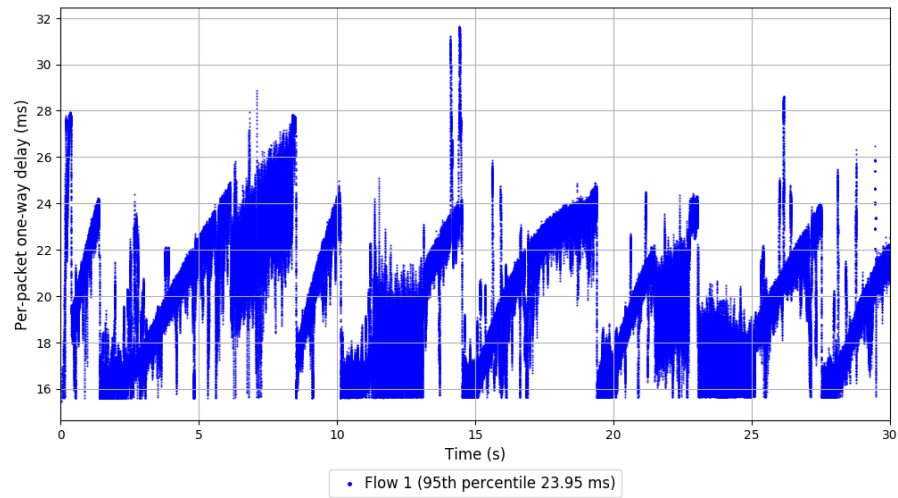
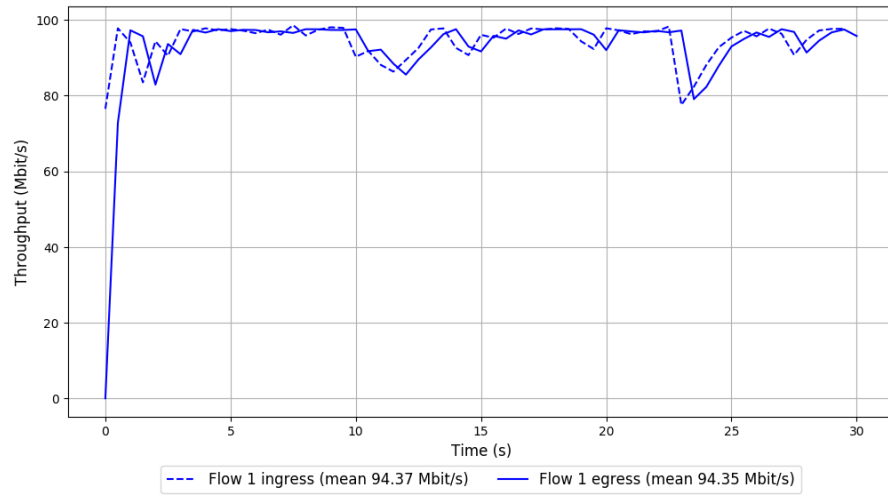
-- Flow 1:

Average throughput: 94.35 Mbit/s

95th percentile per-packet one-way delay: 23.950 ms

Loss rate: 0.11%

Run 10: Report of TCP Cubic — Data Link

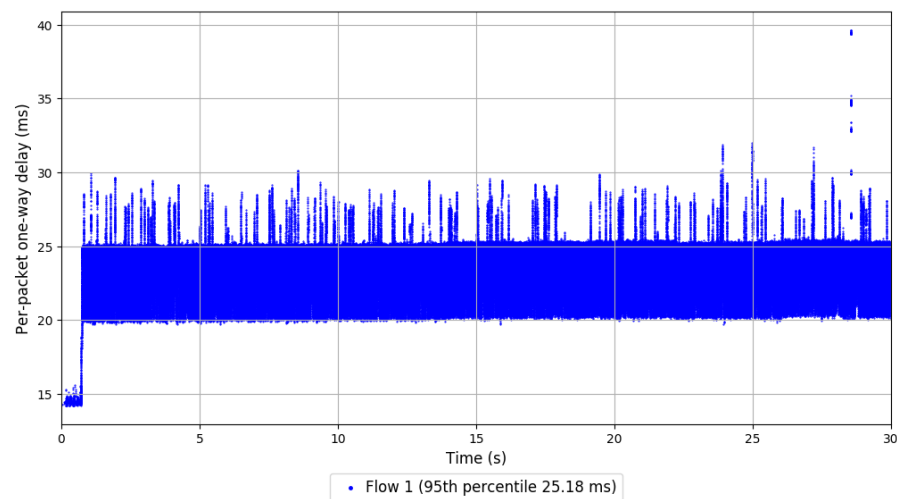
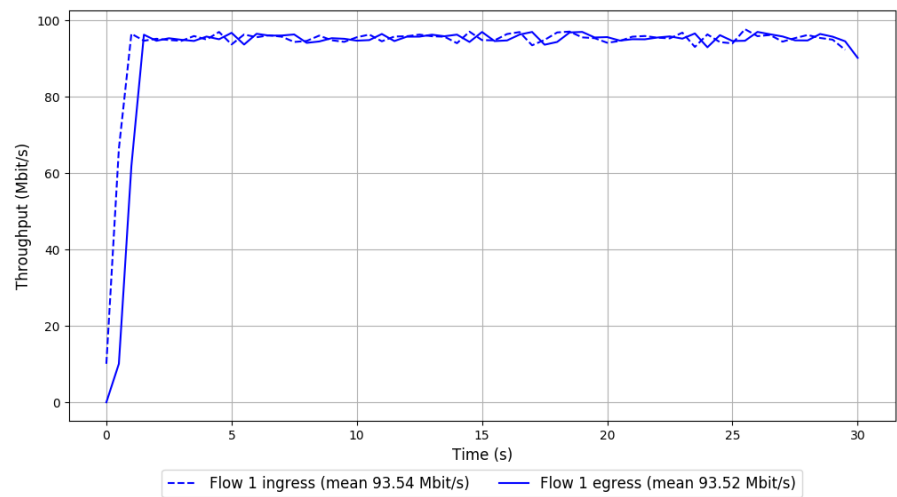


Run 1: Statistics of FillP

Start at: 2018-06-19 01:52:21
End at: 2018-06-19 01:52:51
Local clock offset: 0.781 ms
Remote clock offset: -3.175 ms

Below is generated by plot.py at 2018-06-19 05:00:19
Datalink statistics
-- Total of 1 flow:
Average throughput: 93.52 Mbit/s
95th percentile per-packet one-way delay: 25.181 ms
Loss rate: 0.12%
-- Flow 1:
Average throughput: 93.52 Mbit/s
95th percentile per-packet one-way delay: 25.181 ms
Loss rate: 0.12%

Run 1: Report of FillP — Data Link



Run 2: Statistics of FillP

Start at: 2018-06-19 02:11:11

End at: 2018-06-19 02:11:41

Local clock offset: 0.764 ms

Remote clock offset: 3.037 ms

Below is generated by plot.py at 2018-06-19 05:00:19

Datalink statistics

-- Total of 1 flow:

Average throughput: 91.29 Mbit/s

95th percentile per-packet one-way delay: 26.029 ms

Loss rate: 0.11%

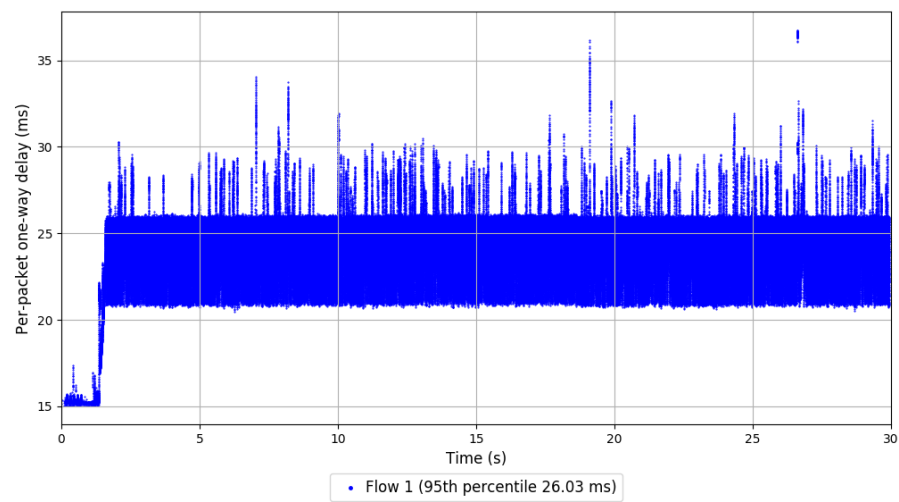
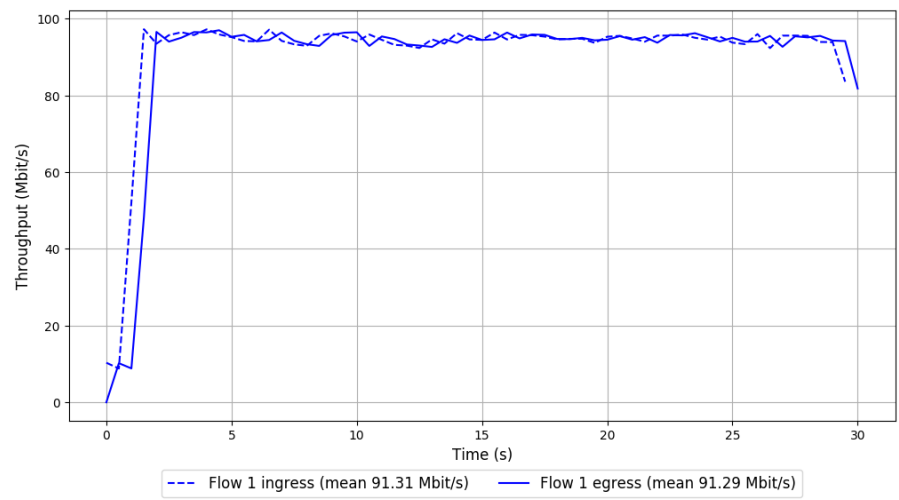
-- Flow 1:

Average throughput: 91.29 Mbit/s

95th percentile per-packet one-way delay: 26.029 ms

Loss rate: 0.11%

Run 2: Report of FillP — Data Link

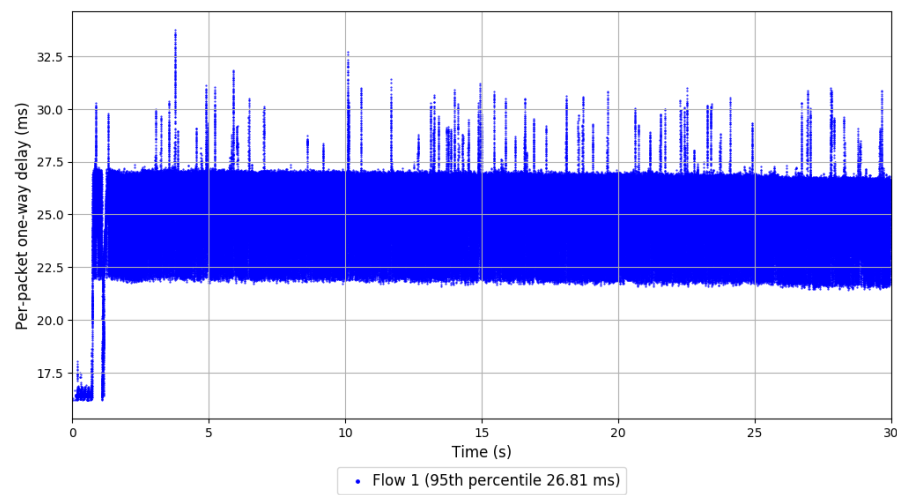
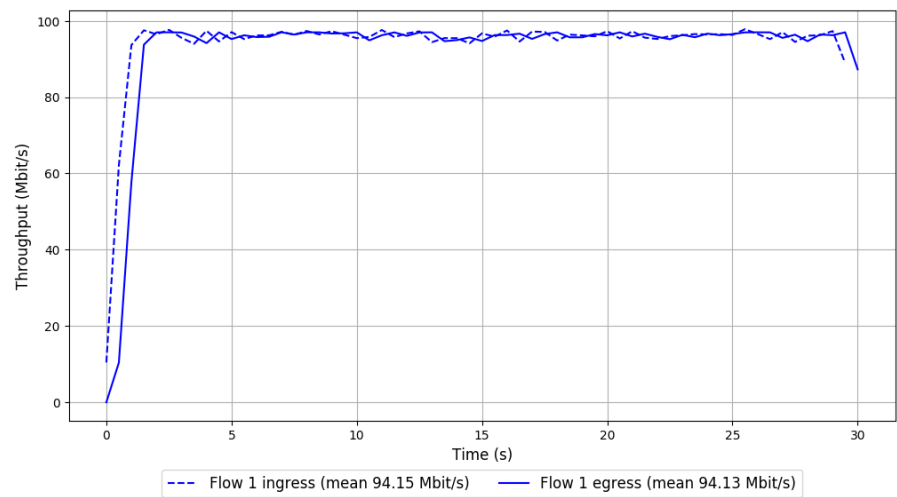


Run 3: Statistics of FillP

Start at: 2018-06-19 02:30:24
End at: 2018-06-19 02:30:54
Local clock offset: 1.29 ms
Remote clock offset: -3.851 ms

Below is generated by plot.py at 2018-06-19 05:00:53
Datalink statistics
-- Total of 1 flow:
Average throughput: 94.13 Mbit/s
95th percentile per-packet one-way delay: 26.809 ms
Loss rate: 0.12%
-- Flow 1:
Average throughput: 94.13 Mbit/s
95th percentile per-packet one-way delay: 26.809 ms
Loss rate: 0.12%

Run 3: Report of FillP — Data Link

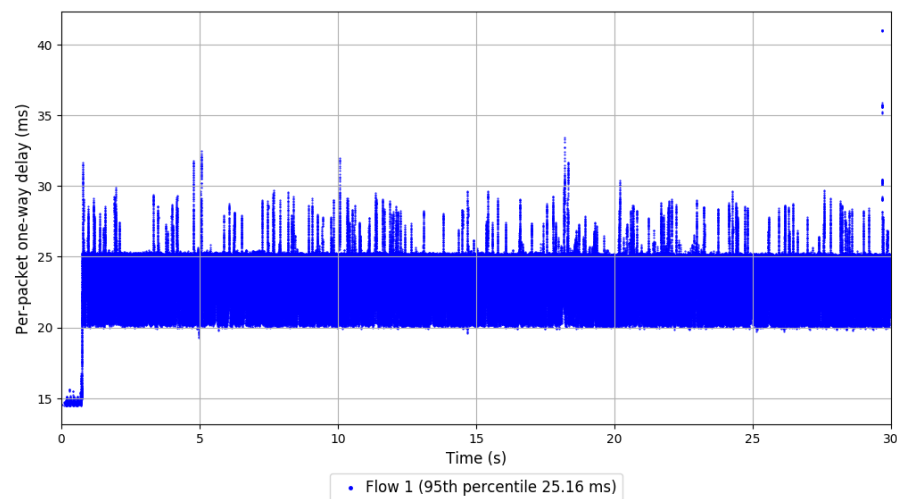
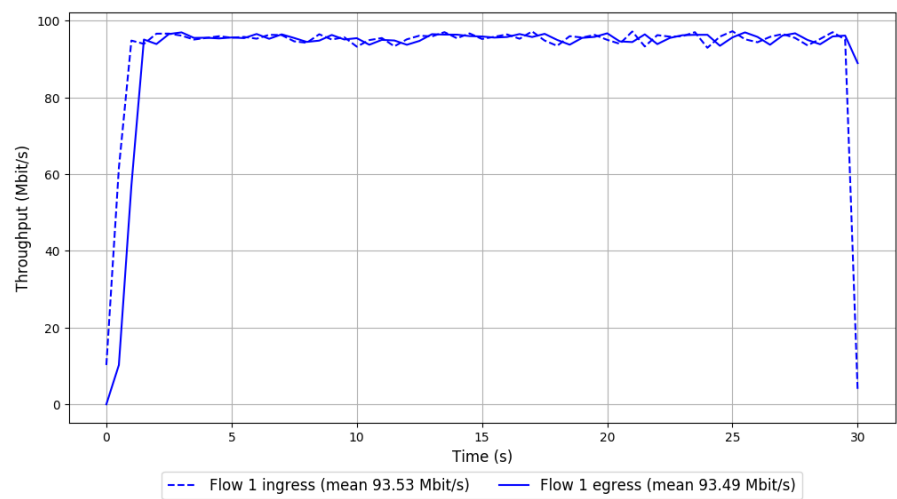


Run 4: Statistics of FillP

Start at: 2018-06-19 02:49:58
End at: 2018-06-19 02:50:28
Local clock offset: 1.59 ms
Remote clock offset: -9.421 ms

Below is generated by plot.py at 2018-06-19 05:00:57
Datalink statistics
-- Total of 1 flow:
Average throughput: 93.49 Mbit/s
95th percentile per-packet one-way delay: 25.164 ms
Loss rate: 0.25%
-- Flow 1:
Average throughput: 93.49 Mbit/s
95th percentile per-packet one-way delay: 25.164 ms
Loss rate: 0.25%

Run 4: Report of FillP — Data Link

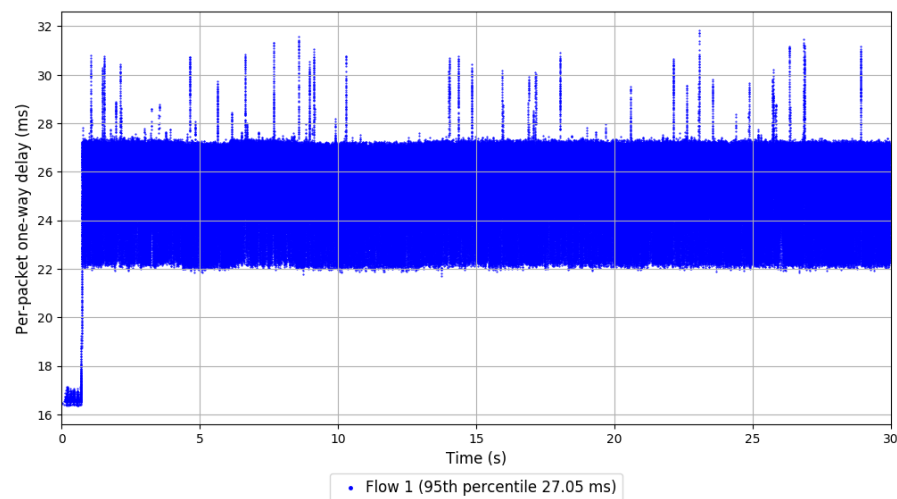
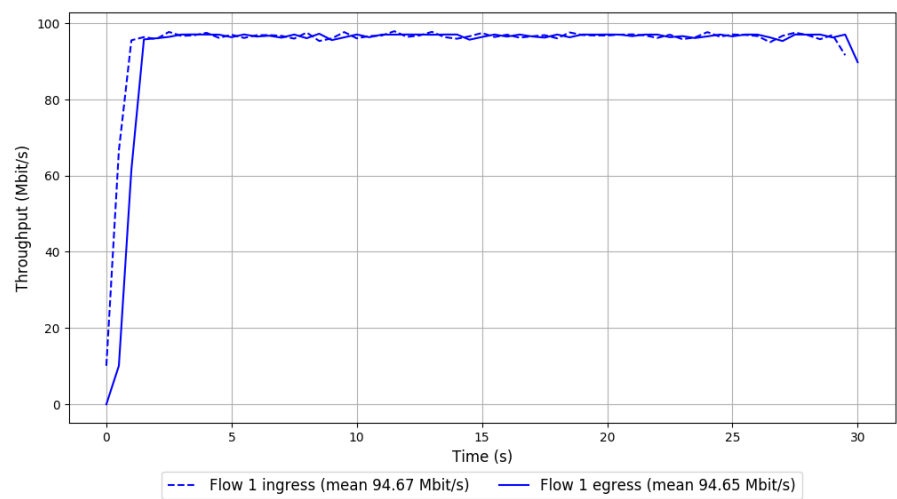


Run 5: Statistics of FillP

Start at: 2018-06-19 03:09:05
End at: 2018-06-19 03:09:35
Local clock offset: 3.411 ms
Remote clock offset: -12.666 ms

Below is generated by plot.py at 2018-06-19 05:00:58
Datalink statistics
-- Total of 1 flow:
Average throughput: 94.65 Mbit/s
95th percentile per-packet one-way delay: 27.054 ms
Loss rate: 0.11%
-- Flow 1:
Average throughput: 94.65 Mbit/s
95th percentile per-packet one-way delay: 27.054 ms
Loss rate: 0.11%

Run 5: Report of FillP — Data Link

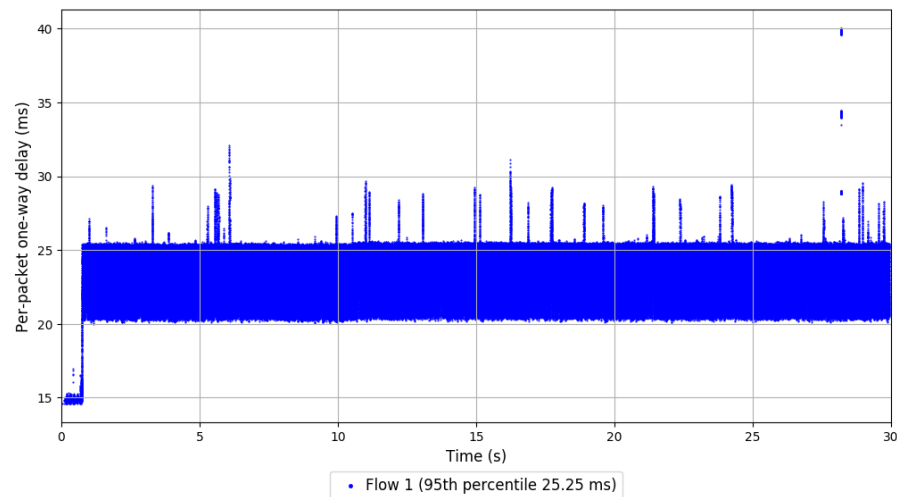
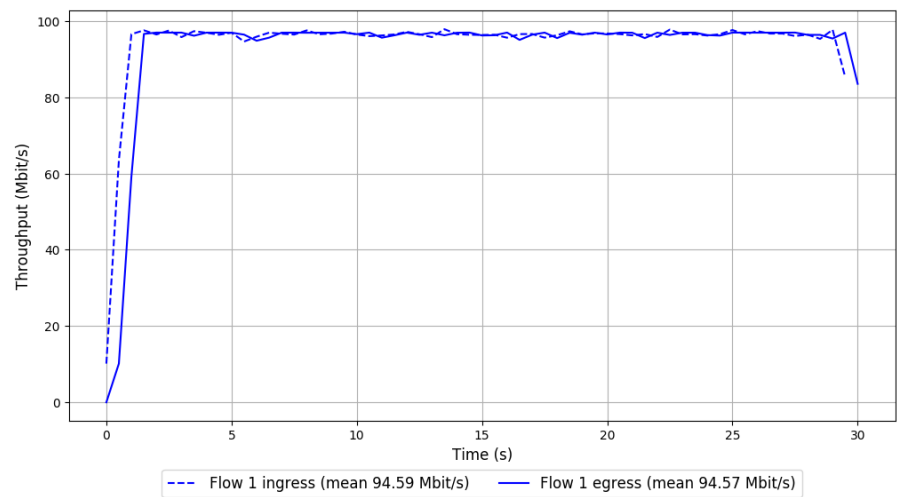


Run 6: Statistics of FillP

Start at: 2018-06-19 03:28:08
End at: 2018-06-19 03:28:38
Local clock offset: 1.294 ms
Remote clock offset: -15.767 ms

Below is generated by plot.py at 2018-06-19 05:01:00
Datalink statistics
-- Total of 1 flow:
Average throughput: 94.57 Mbit/s
95th percentile per-packet one-way delay: 25.248 ms
Loss rate: 0.12%
-- Flow 1:
Average throughput: 94.57 Mbit/s
95th percentile per-packet one-way delay: 25.248 ms
Loss rate: 0.12%

Run 6: Report of FillP — Data Link

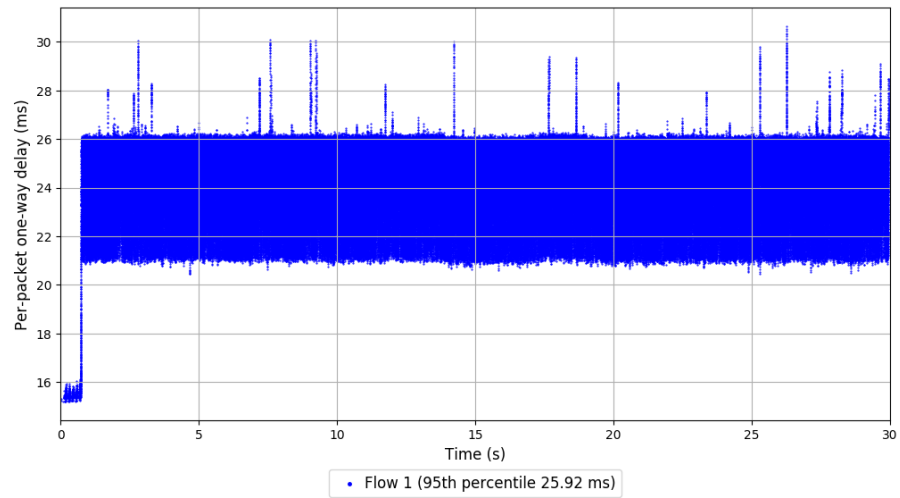
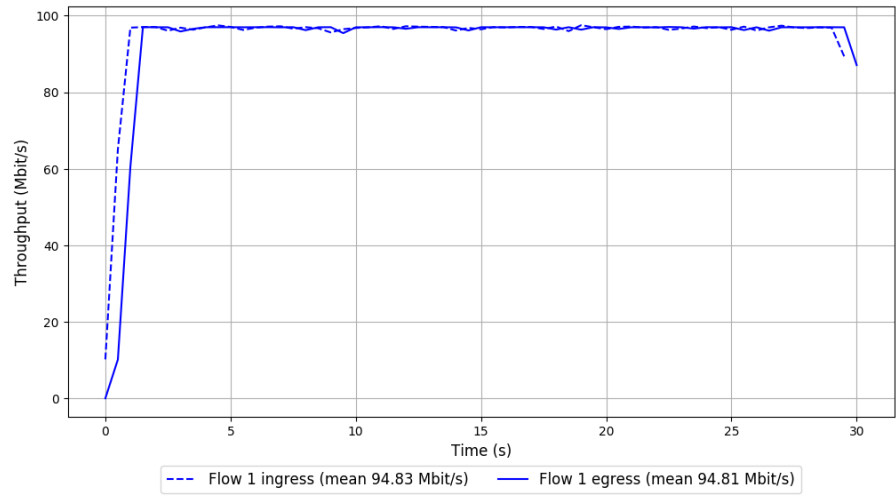


Run 7: Statistics of FillP

Start at: 2018-06-19 03:47:21
End at: 2018-06-19 03:47:51
Local clock offset: 2.036 ms
Remote clock offset: -5.145 ms

Below is generated by plot.py at 2018-06-19 05:01:02
Datalink statistics
-- Total of 1 flow:
Average throughput: 94.81 Mbit/s
95th percentile per-packet one-way delay: 25.916 ms
Loss rate: 0.12%
-- Flow 1:
Average throughput: 94.81 Mbit/s
95th percentile per-packet one-way delay: 25.916 ms
Loss rate: 0.12%

Run 7: Report of FillP — Data Link

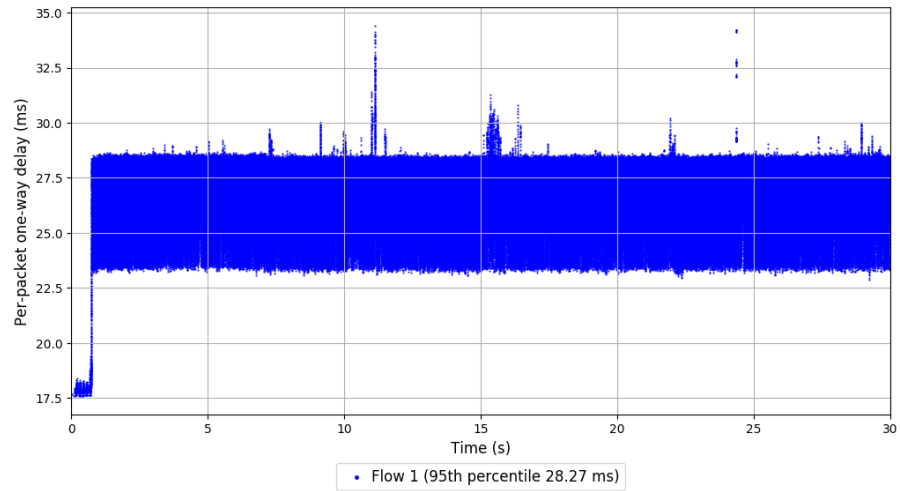
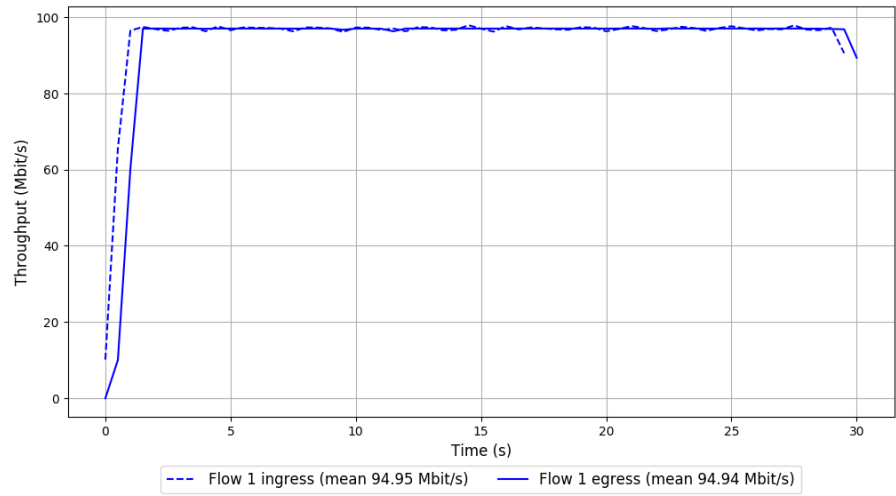


Run 8: Statistics of FillP

Start at: 2018-06-19 04:06:05
End at: 2018-06-19 04:06:35
Local clock offset: 4.054 ms
Remote clock offset: -2.875 ms

Below is generated by plot.py at 2018-06-19 05:01:03
Datalink statistics
-- Total of 1 flow:
Average throughput: 94.94 Mbit/s
95th percentile per-packet one-way delay: 28.272 ms
Loss rate: 0.11%
-- Flow 1:
Average throughput: 94.94 Mbit/s
95th percentile per-packet one-way delay: 28.272 ms
Loss rate: 0.11%

Run 8: Report of FillP — Data Link

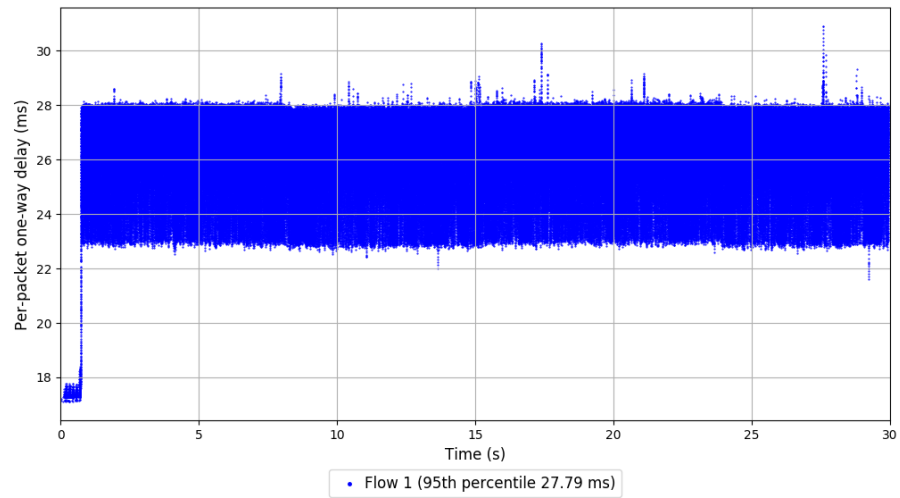
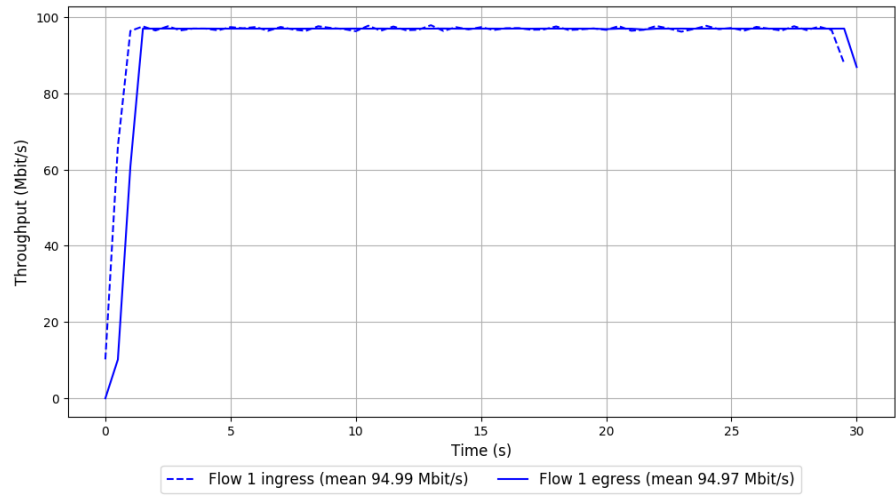


Run 9: Statistics of FillP

Start at: 2018-06-19 04:24:59
End at: 2018-06-19 04:25:29
Local clock offset: 3.667 ms
Remote clock offset: -0.252 ms

Below is generated by plot.py at 2018-06-19 05:01:48
Datalink statistics
-- Total of 1 flow:
Average throughput: 94.97 Mbit/s
95th percentile per-packet one-way delay: 27.794 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 94.97 Mbit/s
95th percentile per-packet one-way delay: 27.794 ms
Loss rate: 0.10%

Run 9: Report of FillP — Data Link



Run 10: Statistics of FillP

Start at: 2018-06-19 04:43:54

End at: 2018-06-19 04:44:24

Local clock offset: 1.0 ms

Remote clock offset: -1.755 ms

Below is generated by plot.py at 2018-06-19 05:01:49

Datalink statistics

-- Total of 1 flow:

Average throughput: 94.86 Mbit/s

95th percentile per-packet one-way delay: 24.809 ms

Loss rate: 0.11%

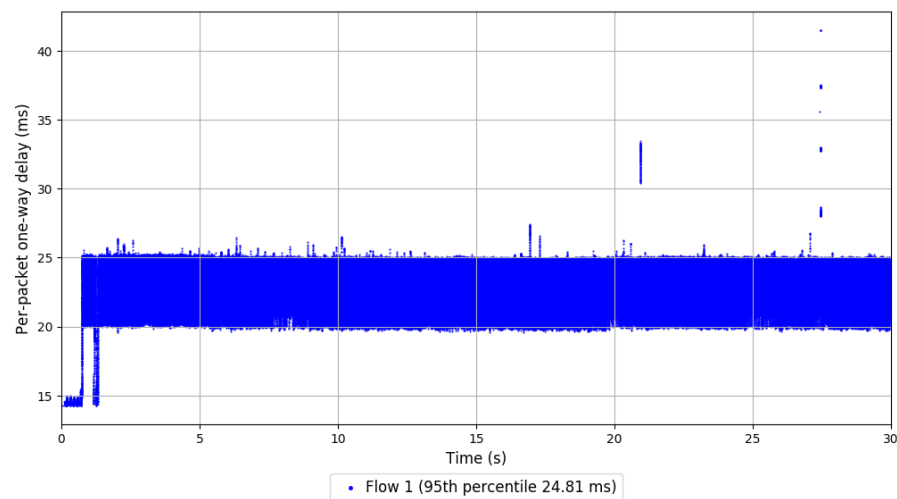
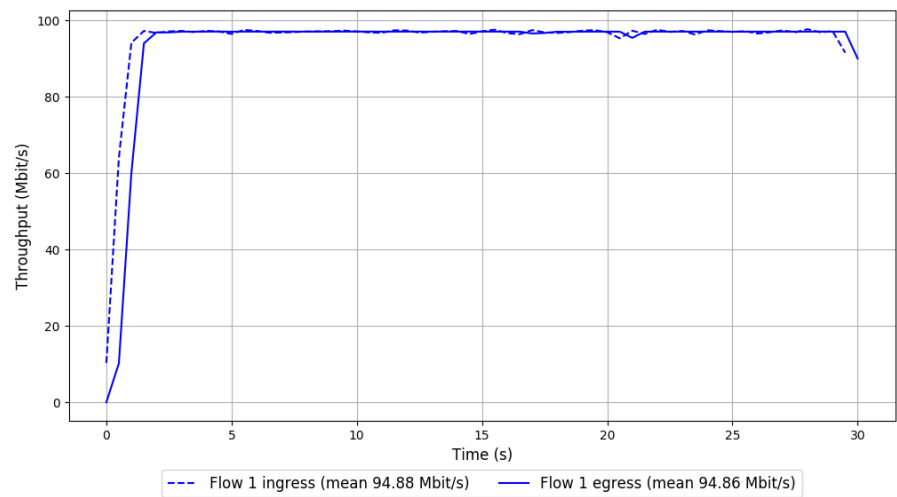
-- Flow 1:

Average throughput: 94.86 Mbit/s

95th percentile per-packet one-way delay: 24.809 ms

Loss rate: 0.11%

Run 10: Report of FillP — Data Link

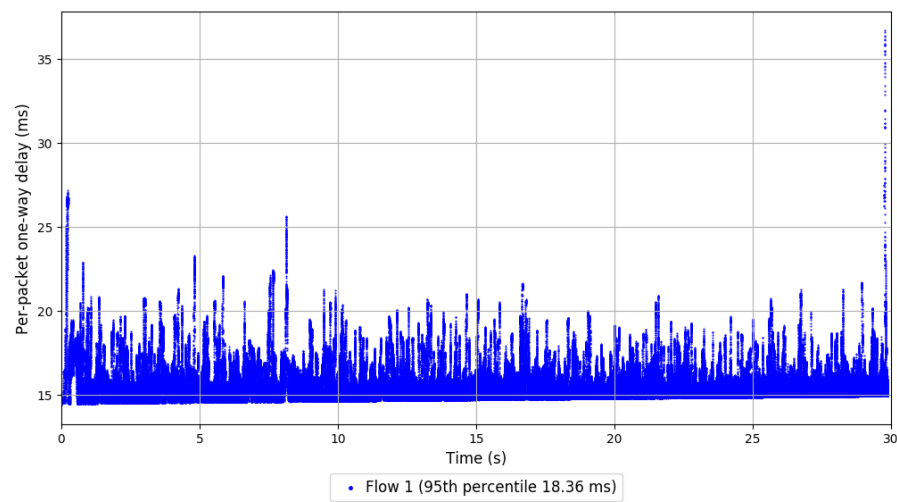
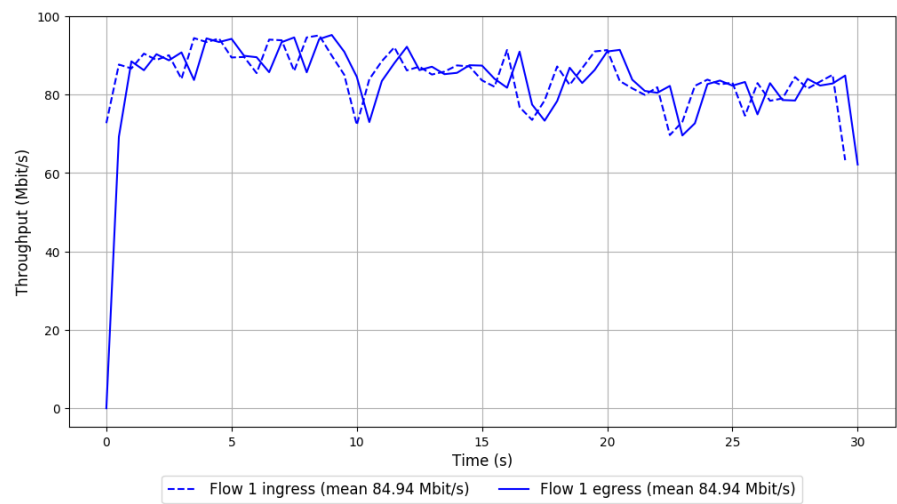


```
Run 1: Statistics of Indigo

Start at: 2018-06-19 01:47:28
End at: 2018-06-19 01:47:58
Local clock offset: 1.449 ms
Remote clock offset: -6.337 ms

# Below is generated by plot.py at 2018-06-19 05:01:57
# Datalink statistics
-- Total of 1 flow:
Average throughput: 84.94 Mbit/s
95th percentile per-packet one-way delay: 18.362 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 84.94 Mbit/s
95th percentile per-packet one-way delay: 18.362 ms
Loss rate: 0.08%
```


Run 1: Report of Indigo — Data Link



Run 2: Statistics of Indigo

Start at: 2018-06-19 02:06:21

End at: 2018-06-19 02:06:51

Local clock offset: 0.833 ms

Remote clock offset: 2.149 ms

Below is generated by plot.py at 2018-06-19 05:02:04

Datalink statistics

-- Total of 1 flow:

Average throughput: 94.97 Mbit/s

95th percentile per-packet one-way delay: 19.503 ms

Loss rate: 0.08%

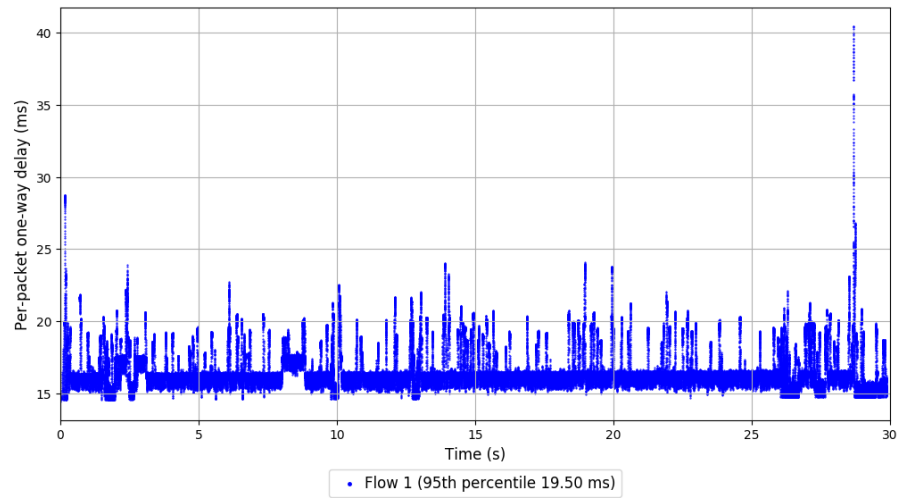
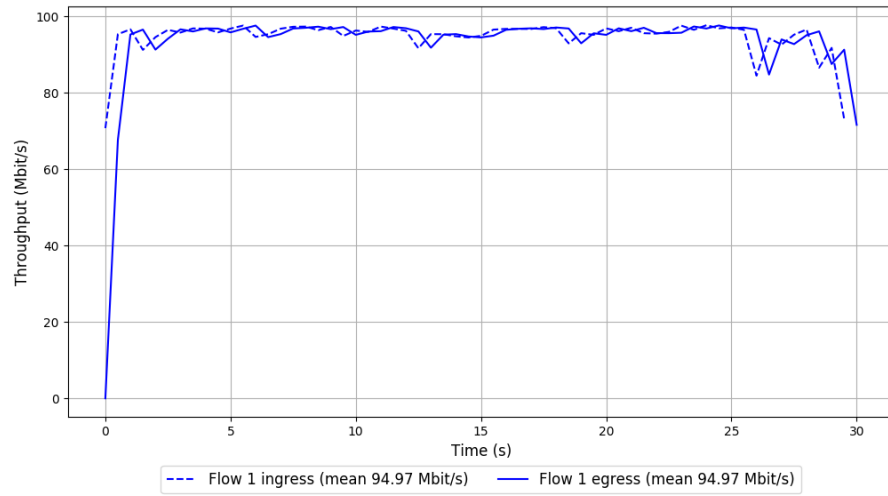
-- Flow 1:

Average throughput: 94.97 Mbit/s

95th percentile per-packet one-way delay: 19.503 ms

Loss rate: 0.08%

Run 2: Report of Indigo — Data Link



Run 3: Statistics of Indigo

Start at: 2018-06-19 02:25:25

End at: 2018-06-19 02:25:55

Local clock offset: -1.351 ms

Remote clock offset: -0.09 ms

Below is generated by plot.py at 2018-06-19 05:02:04

Datalink statistics

-- Total of 1 flow:

Average throughput: 94.19 Mbit/s

95th percentile per-packet one-way delay: 17.577 ms

Loss rate: 0.08%

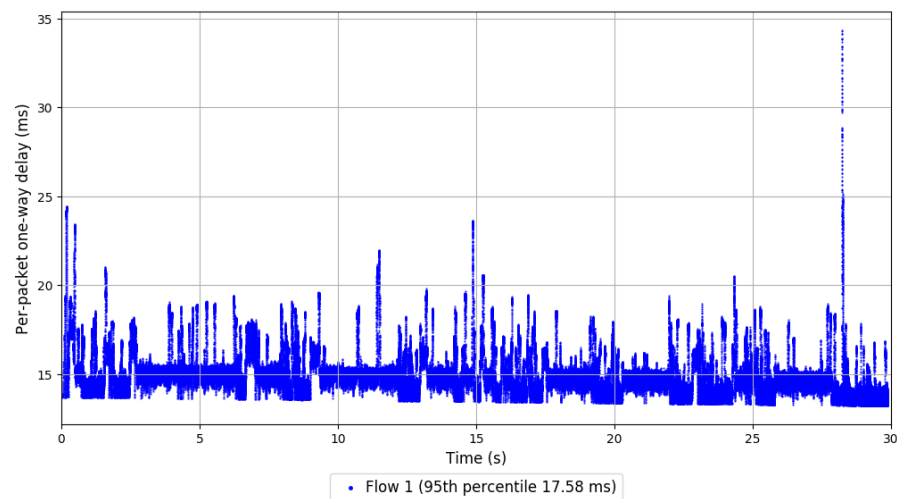
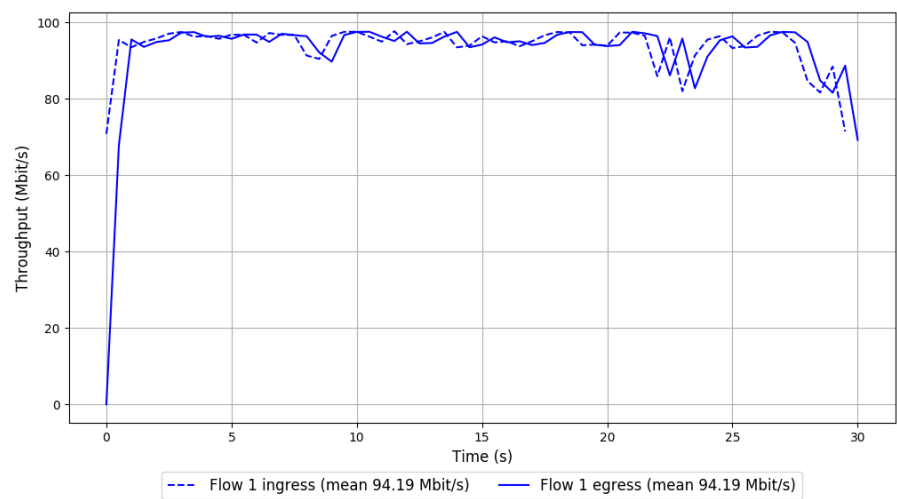
-- Flow 1:

Average throughput: 94.19 Mbit/s

95th percentile per-packet one-way delay: 17.577 ms

Loss rate: 0.08%

Run 3: Report of Indigo — Data Link



Run 4: Statistics of Indigo

Start at: 2018-06-19 02:44:57

End at: 2018-06-19 02:45:27

Local clock offset: 0.636 ms

Remote clock offset: -8.88 ms

Below is generated by plot.py at 2018-06-19 05:02:05

Datalink statistics

-- Total of 1 flow:

Average throughput: 91.39 Mbit/s

95th percentile per-packet one-way delay: 18.812 ms

Loss rate: 0.08%

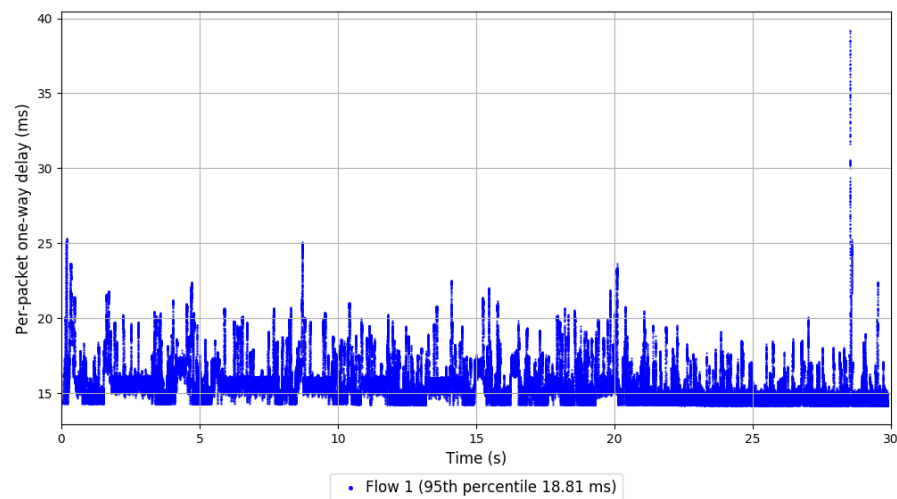
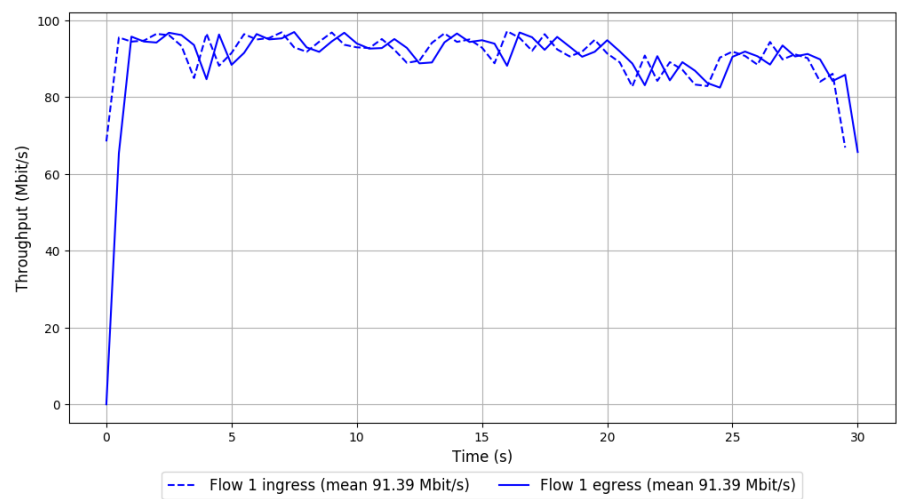
-- Flow 1:

Average throughput: 91.39 Mbit/s

95th percentile per-packet one-way delay: 18.812 ms

Loss rate: 0.08%

Run 4: Report of Indigo — Data Link



Run 5: Statistics of Indigo

Start at: 2018-06-19 03:04:09

End at: 2018-06-19 03:04:39

Local clock offset: 2.221 ms

Remote clock offset: -12.091 ms

Below is generated by plot.py at 2018-06-19 05:02:10

Datalink statistics

-- Total of 1 flow:

Average throughput: 94.96 Mbit/s

95th percentile per-packet one-way delay: 18.330 ms

Loss rate: 0.09%

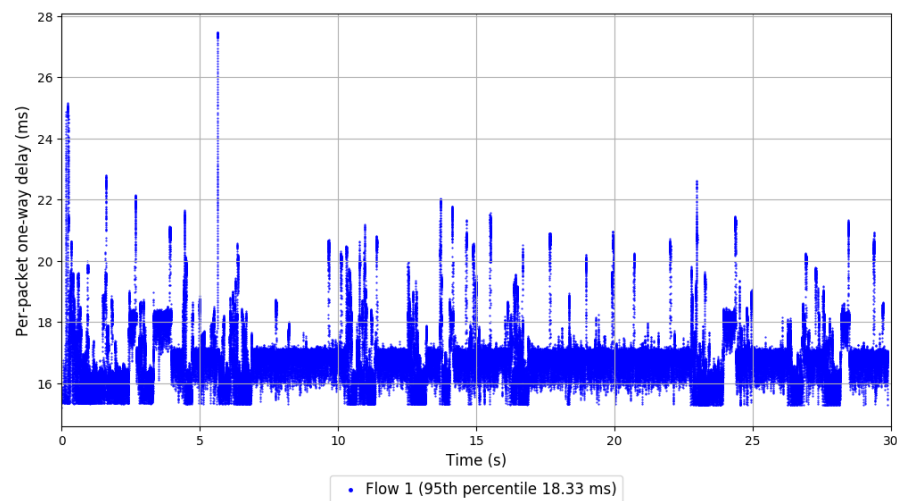
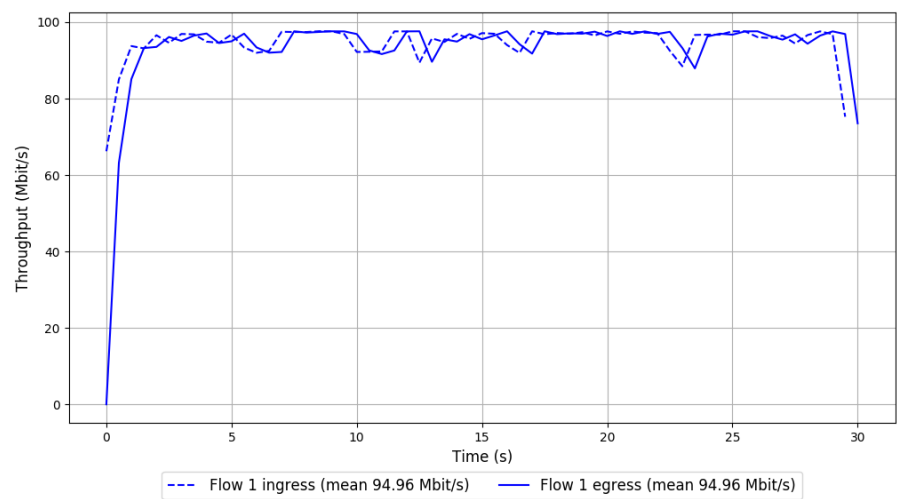
-- Flow 1:

Average throughput: 94.96 Mbit/s

95th percentile per-packet one-way delay: 18.330 ms

Loss rate: 0.09%

Run 5: Report of Indigo — Data Link

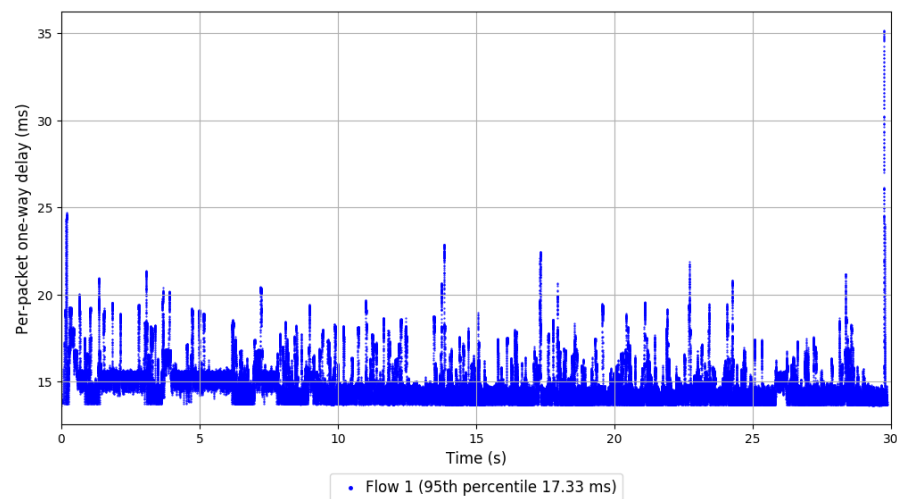
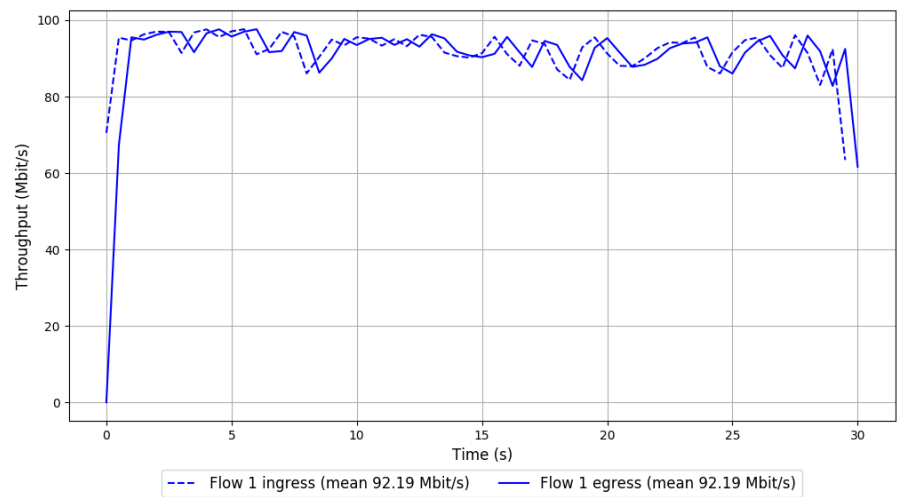


Run 6: Statistics of Indigo

Start at: 2018-06-19 03:23:19
End at: 2018-06-19 03:23:49
Local clock offset: 0.764 ms
Remote clock offset: -14.562 ms

Below is generated by plot.py at 2018-06-19 05:02:10
Datalink statistics
-- Total of 1 flow:
Average throughput: 92.19 Mbit/s
95th percentile per-packet one-way delay: 17.327 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 92.19 Mbit/s
95th percentile per-packet one-way delay: 17.327 ms
Loss rate: 0.08%

Run 6: Report of Indigo — Data Link

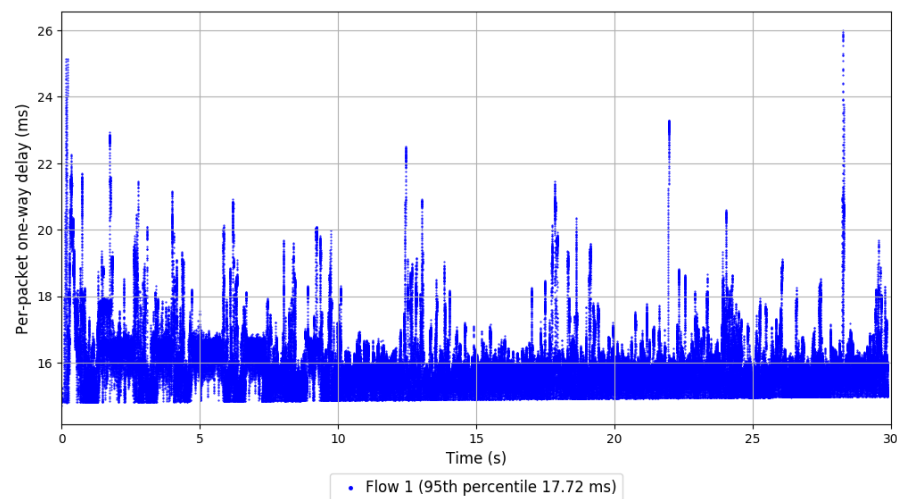
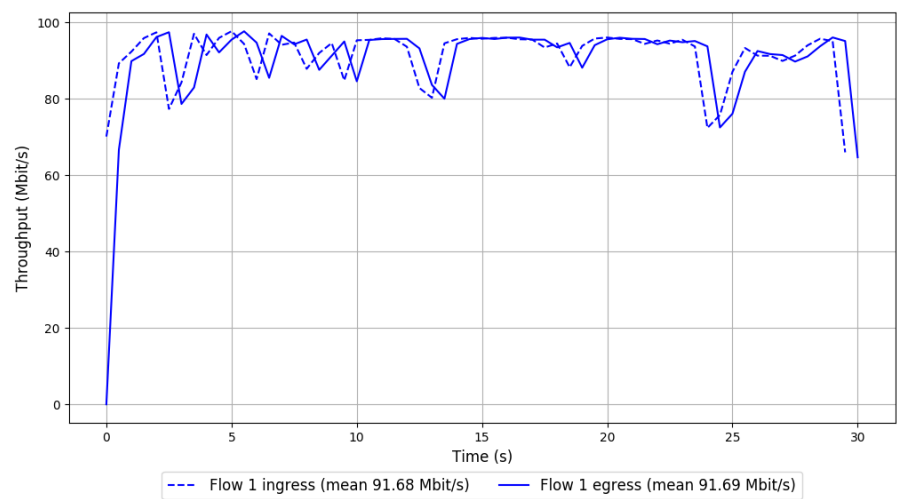


Run 7: Statistics of Indigo

Start at: 2018-06-19 03:42:14
End at: 2018-06-19 03:42:44
Local clock offset: 0.963 ms
Remote clock offset: -7.244 ms

Below is generated by plot.py at 2018-06-19 05:02:53
Datalink statistics
-- Total of 1 flow:
Average throughput: 91.69 Mbit/s
95th percentile per-packet one-way delay: 17.722 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 91.69 Mbit/s
95th percentile per-packet one-way delay: 17.722 ms
Loss rate: 0.08%

Run 7: Report of Indigo — Data Link

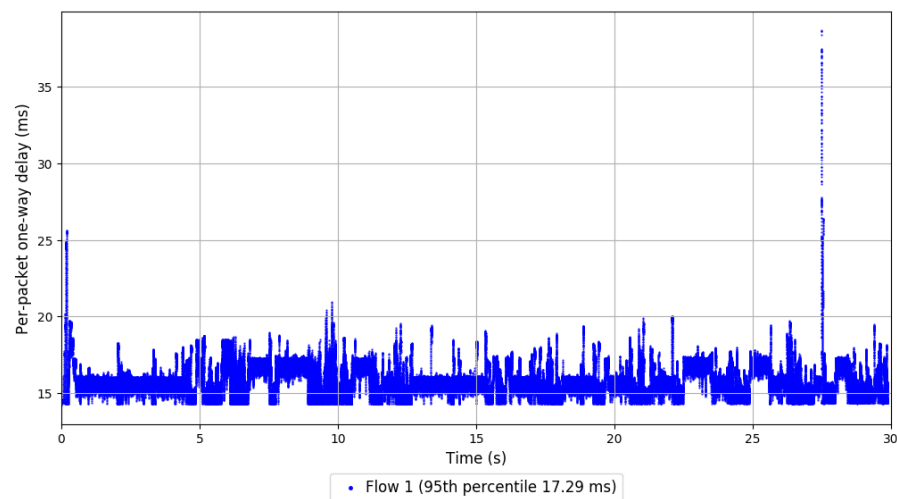
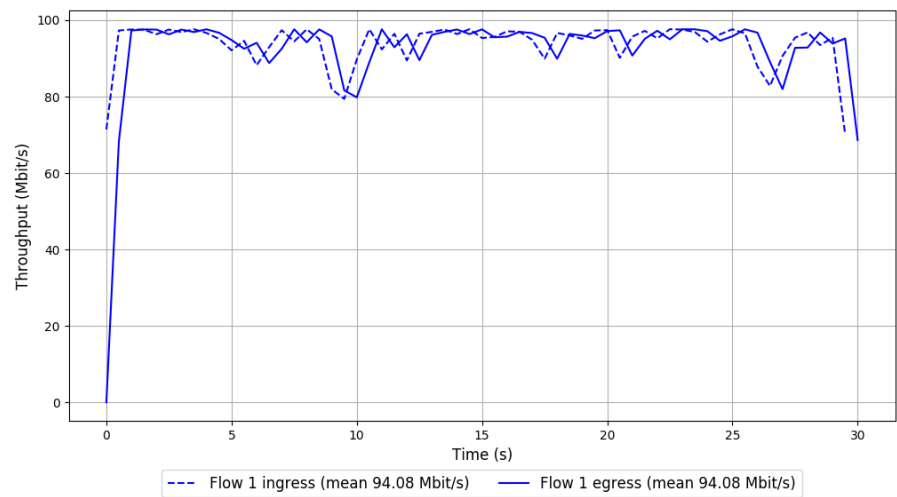


Run 8: Statistics of Indigo

Start at: 2018-06-19 04:01:20
End at: 2018-06-19 04:01:50
Local clock offset: -0.052 ms
Remote clock offset: -4.148 ms

Below is generated by plot.py at 2018-06-19 05:02:59
Datalink statistics
-- Total of 1 flow:
Average throughput: 94.08 Mbit/s
95th percentile per-packet one-way delay: 17.286 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 94.08 Mbit/s
95th percentile per-packet one-way delay: 17.286 ms
Loss rate: 0.08%

Run 8: Report of Indigo — Data Link



Run 9: Statistics of Indigo

Start at: 2018-06-19 04:20:05

End at: 2018-06-19 04:20:35

Local clock offset: 0.494 ms

Remote clock offset: -0.502 ms

Below is generated by plot.py at 2018-06-19 05:03:01

Datalink statistics

-- Total of 1 flow:

Average throughput: 93.71 Mbit/s

95th percentile per-packet one-way delay: 16.908 ms

Loss rate: 0.09%

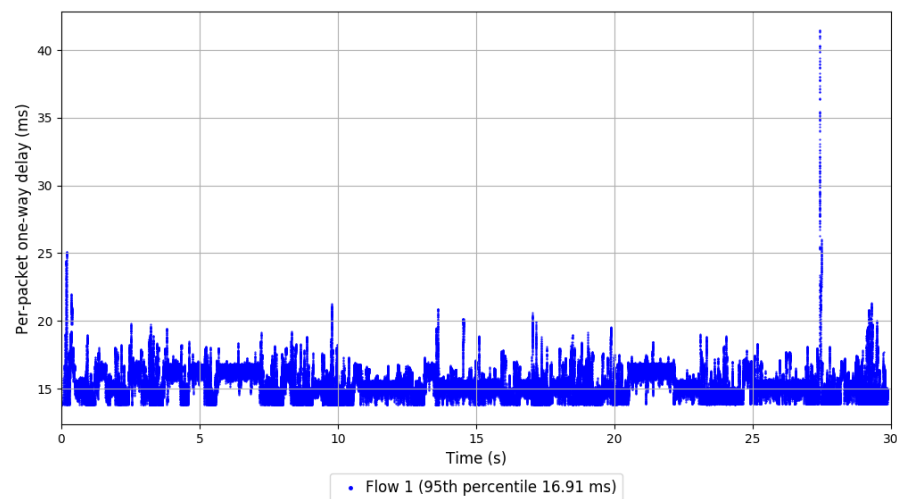
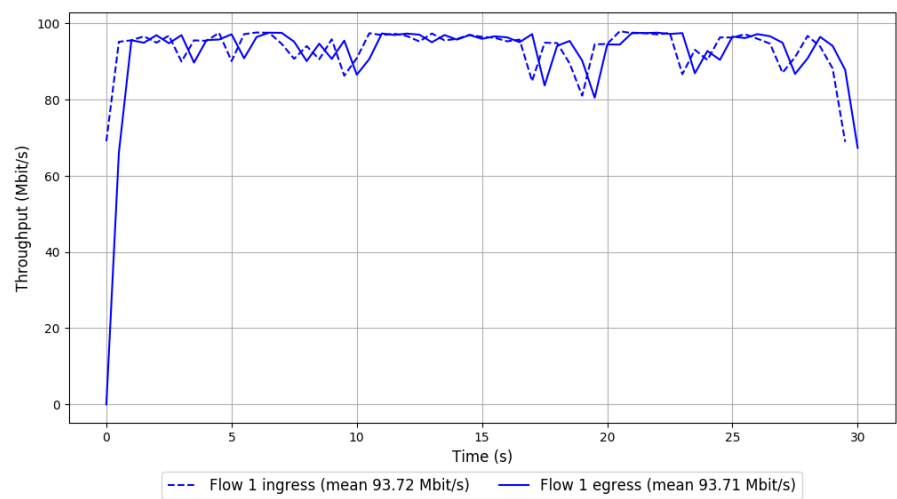
-- Flow 1:

Average throughput: 93.71 Mbit/s

95th percentile per-packet one-way delay: 16.908 ms

Loss rate: 0.09%

Run 9: Report of Indigo — Data Link



Run 10: Statistics of Indigo

Start at: 2018-06-19 04:39:00

End at: 2018-06-19 04:39:30

Local clock offset: 1.341 ms

Remote clock offset: 0.562 ms

Below is generated by plot.py at 2018-06-19 05:03:07

Datalink statistics

-- Total of 1 flow:

Average throughput: 88.63 Mbit/s

95th percentile per-packet one-way delay: 18.154 ms

Loss rate: 0.08%

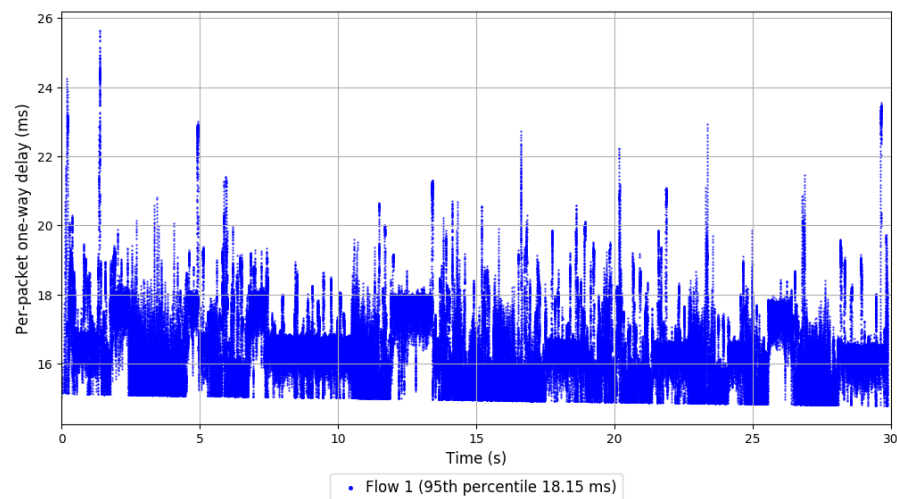
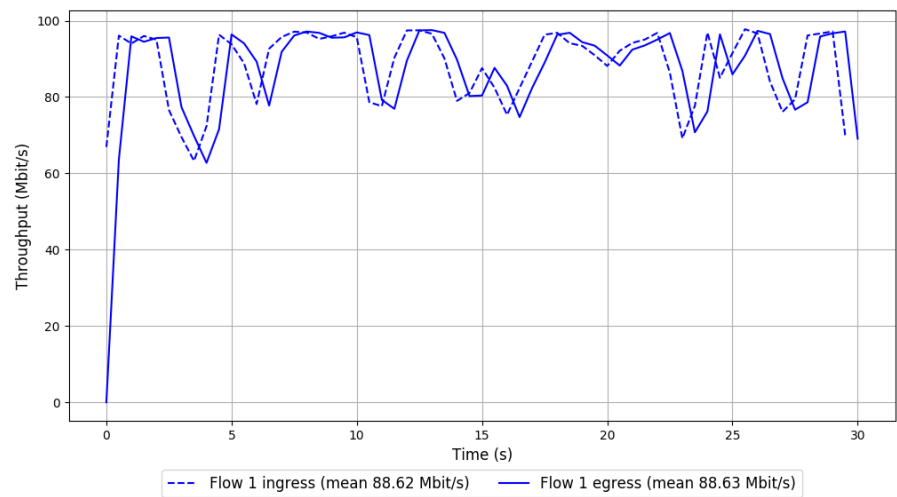
-- Flow 1:

Average throughput: 88.63 Mbit/s

95th percentile per-packet one-way delay: 18.154 ms

Loss rate: 0.08%

Run 10: Report of Indigo — Data Link

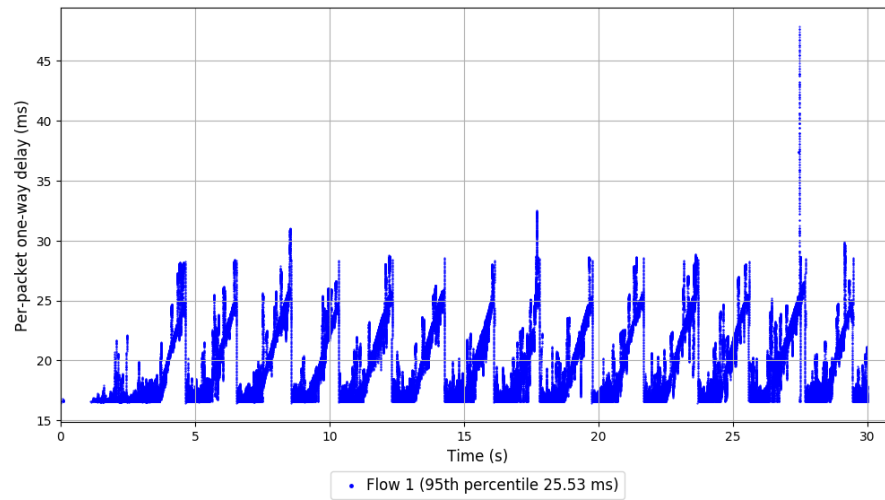
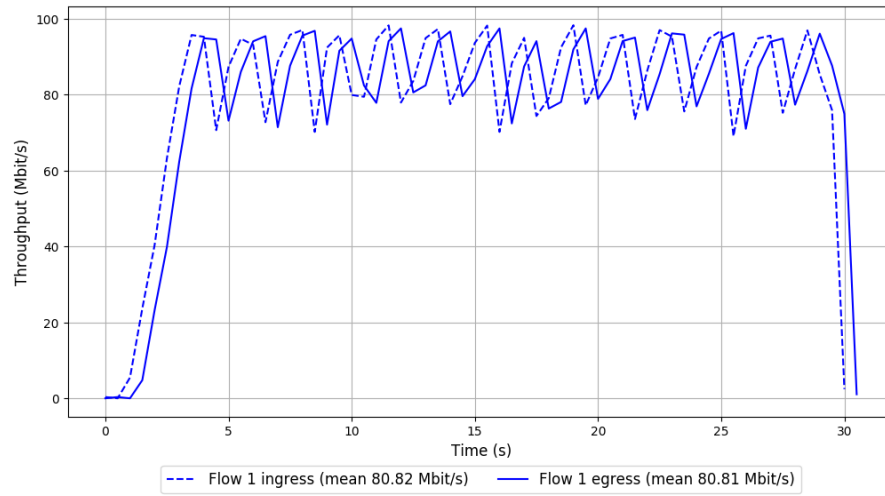


Run 1: Statistics of LEDBAT

Start at: 2018-06-19 01:43:56
End at: 2018-06-19 01:44:26
Local clock offset: 3.576 ms
Remote clock offset: -6.607 ms

Below is generated by plot.py at 2018-06-19 05:03:07
Datalink statistics
-- Total of 1 flow:
Average throughput: 80.81 Mbit/s
95th percentile per-packet one-way delay: 25.533 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 80.81 Mbit/s
95th percentile per-packet one-way delay: 25.533 ms
Loss rate: 0.10%

Run 1: Report of LEDBAT — Data Link



Run 2: Statistics of LEDBAT

Start at: 2018-06-19 02:02:56

End at: 2018-06-19 02:03:26

Local clock offset: 2.26 ms

Remote clock offset: 1.682 ms

Below is generated by plot.py at 2018-06-19 05:03:07

Datalink statistics

-- Total of 1 flow:

Average throughput: 77.61 Mbit/s

95th percentile per-packet one-way delay: 23.572 ms

Loss rate: 0.14%

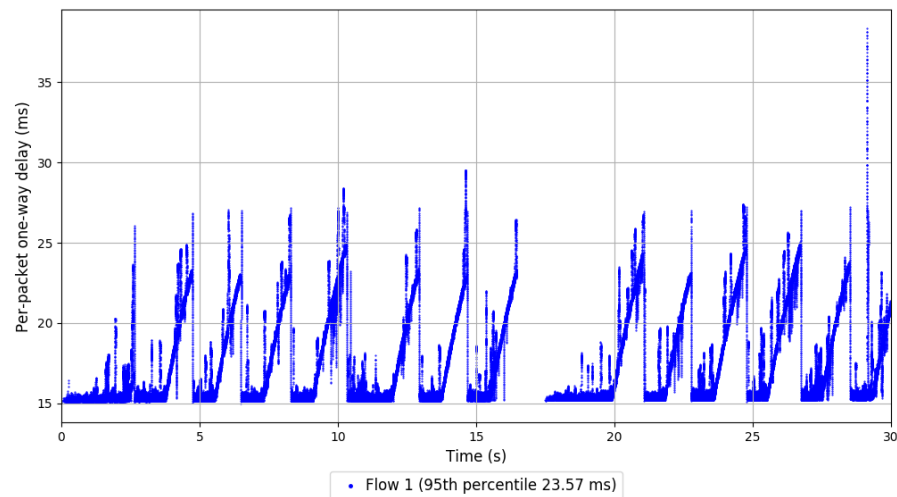
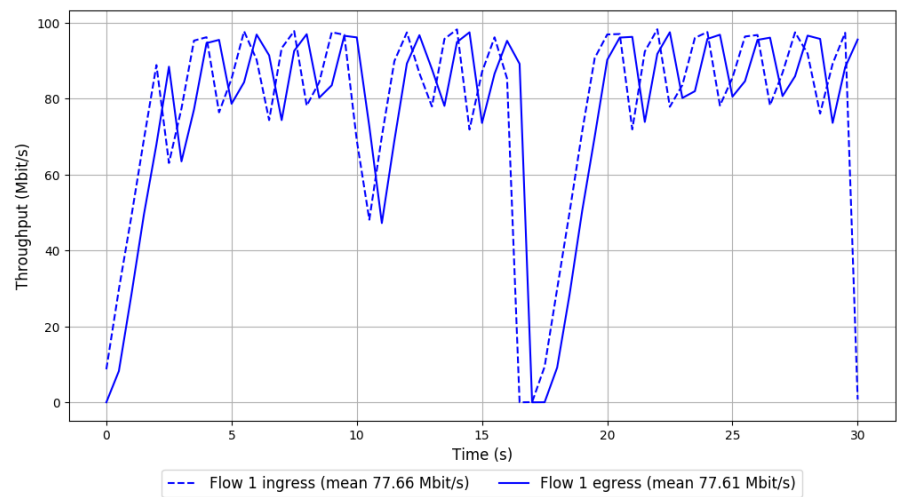
-- Flow 1:

Average throughput: 77.61 Mbit/s

95th percentile per-packet one-way delay: 23.572 ms

Loss rate: 0.14%

Run 2: Report of LEDBAT — Data Link



Run 3: Statistics of LEDBAT

Start at: 2018-06-19 02:21:48

End at: 2018-06-19 02:22:18

Local clock offset: 1.81 ms

Remote clock offset: 3.59 ms

Below is generated by plot.py at 2018-06-19 05:03:12

Datalink statistics

-- Total of 1 flow:

Average throughput: 85.36 Mbit/s

95th percentile per-packet one-way delay: 25.298 ms

Loss rate: 0.11%

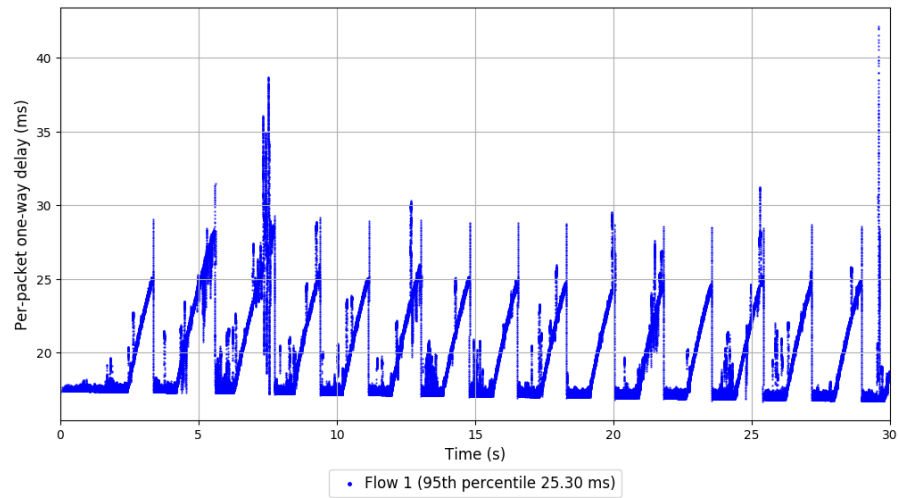
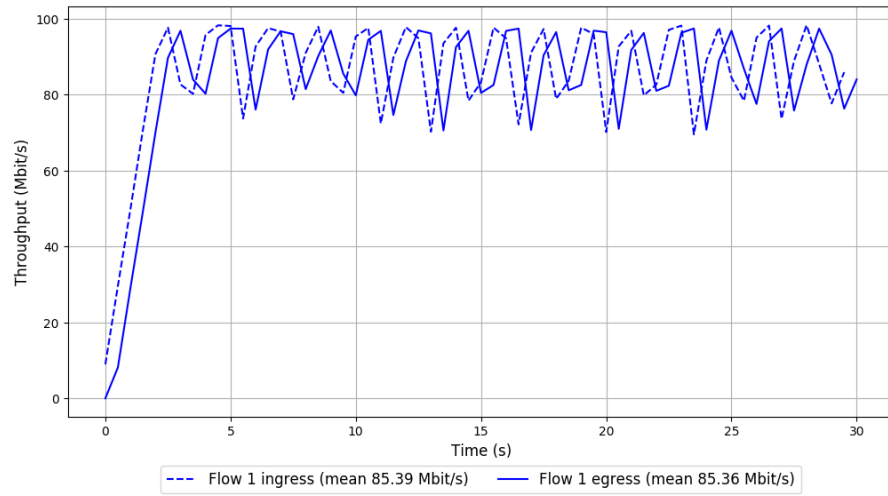
-- Flow 1:

Average throughput: 85.36 Mbit/s

95th percentile per-packet one-way delay: 25.298 ms

Loss rate: 0.11%

Run 3: Report of LEDBAT — Data Link

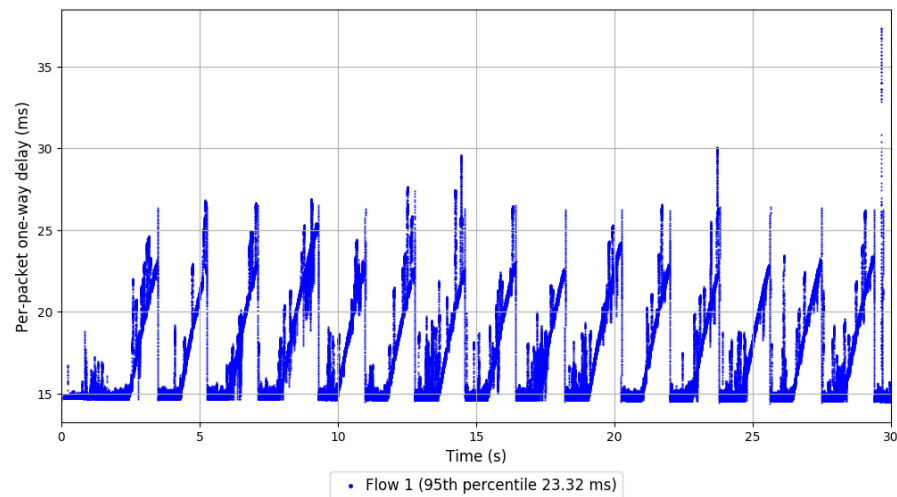
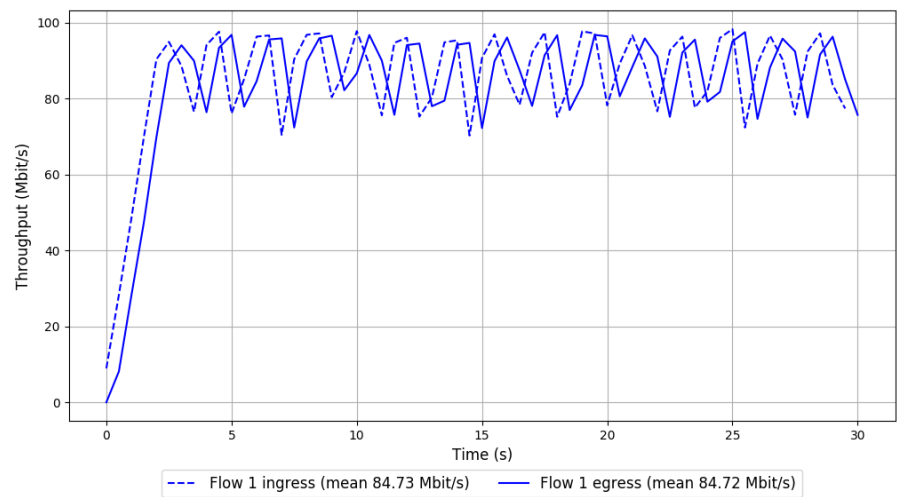


Run 4: Statistics of LEDBAT

Start at: 2018-06-19 02:41:21
End at: 2018-06-19 02:41:51
Local clock offset: 0.296 ms
Remote clock offset: -8.478 ms

Below is generated by plot.py at 2018-06-19 05:03:12
Datalink statistics
-- Total of 1 flow:
Average throughput: 84.72 Mbit/s
95th percentile per-packet one-way delay: 23.318 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 84.72 Mbit/s
95th percentile per-packet one-way delay: 23.318 ms
Loss rate: 0.09%

Run 4: Report of LEDBAT — Data Link

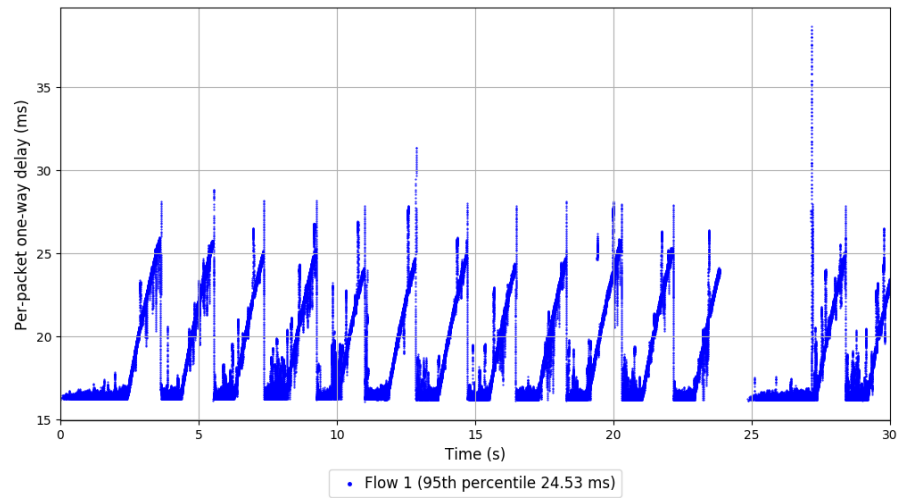
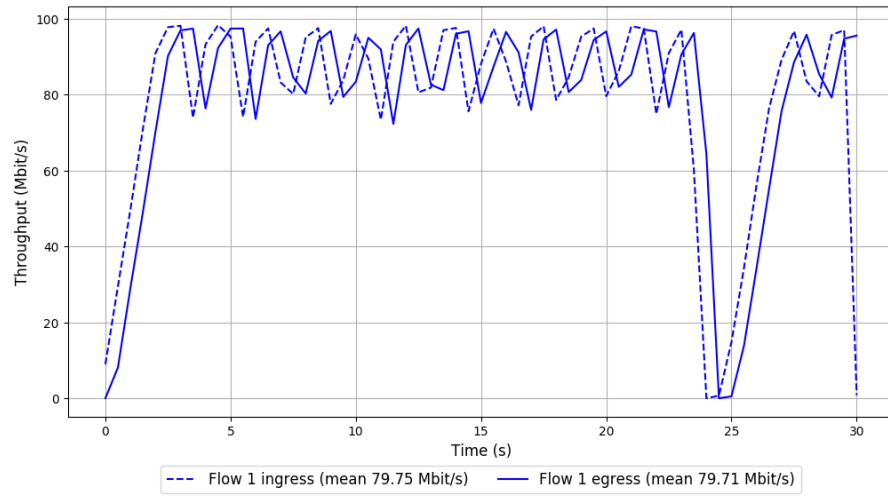


Run 5: Statistics of LEDBAT

Start at: 2018-06-19 03:00:37
End at: 2018-06-19 03:01:07
Local clock offset: 2.899 ms
Remote clock offset: -11.734 ms

Below is generated by plot.py at 2018-06-19 05:03:52
Datalink statistics
-- Total of 1 flow:
Average throughput: 79.71 Mbit/s
95th percentile per-packet one-way delay: 24.534 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 79.71 Mbit/s
95th percentile per-packet one-way delay: 24.534 ms
Loss rate: 0.13%

Run 5: Report of LEDBAT — Data Link

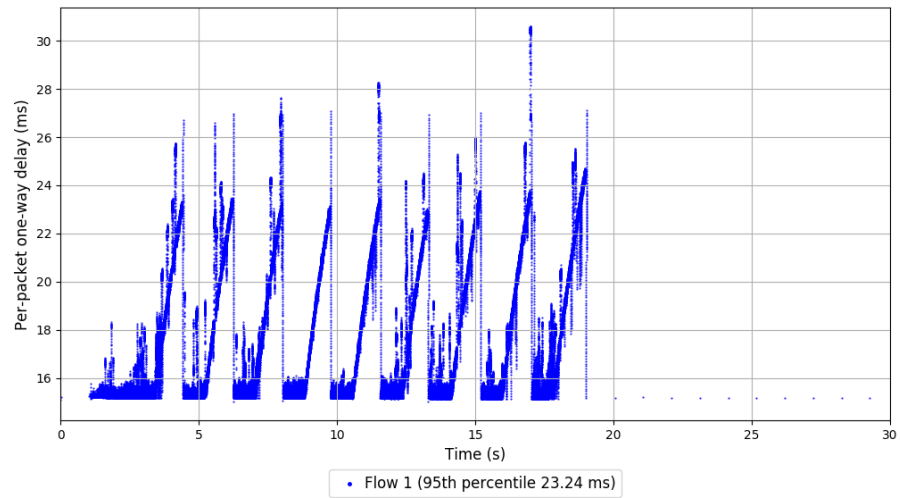
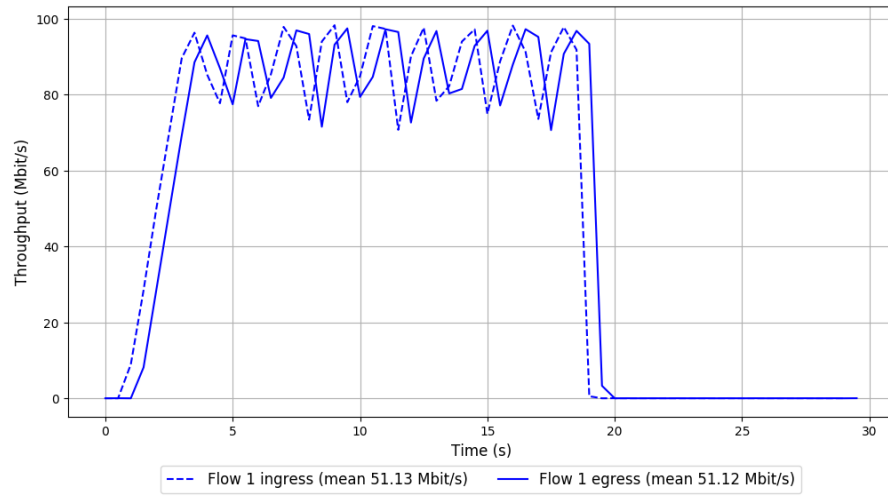


Run 6: Statistics of LEDBAT

Start at: 2018-06-19 03:19:39
End at: 2018-06-19 03:20:09
Local clock offset: 1.497 ms
Remote clock offset: -14.725 ms

Below is generated by plot.py at 2018-06-19 05:03:52
Datalink statistics
-- Total of 1 flow:
Average throughput: 51.12 Mbit/s
95th percentile per-packet one-way delay: 23.243 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 51.12 Mbit/s
95th percentile per-packet one-way delay: 23.243 ms
Loss rate: 0.01%

Run 6: Report of LEDBAT — Data Link

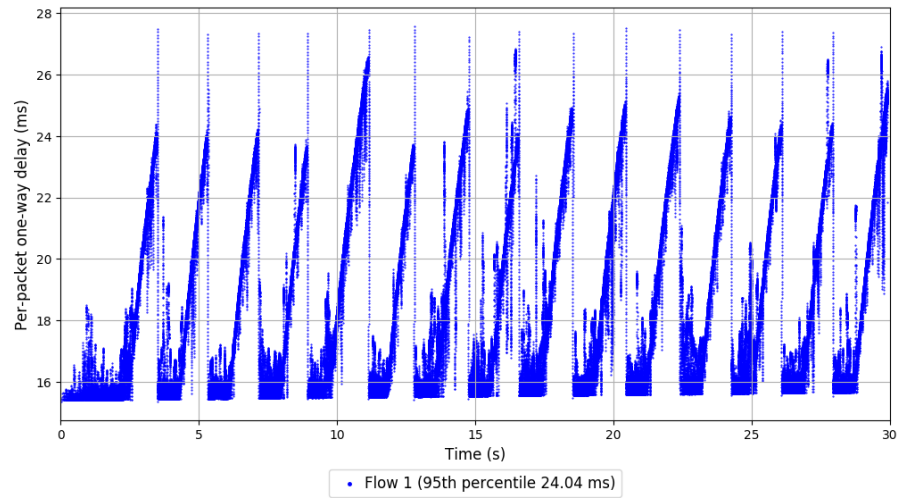
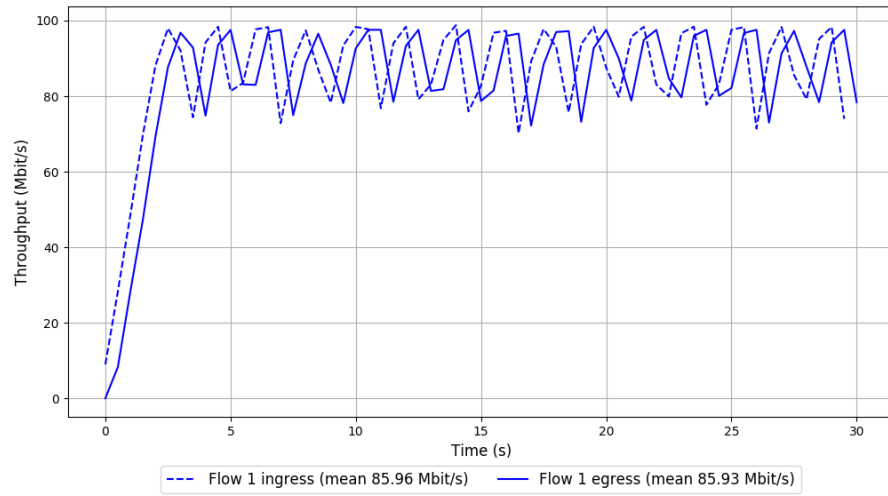


Run 7: Statistics of LEDBAT

Start at: 2018-06-19 03:38:46
End at: 2018-06-19 03:39:16
Local clock offset: 1.408 ms
Remote clock offset: -9.009 ms

Below is generated by plot.py at 2018-06-19 05:03:59
Datalink statistics
-- Total of 1 flow:
Average throughput: 85.93 Mbit/s
95th percentile per-packet one-way delay: 24.041 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 85.93 Mbit/s
95th percentile per-packet one-way delay: 24.041 ms
Loss rate: 0.01%

Run 7: Report of LEDBAT — Data Link

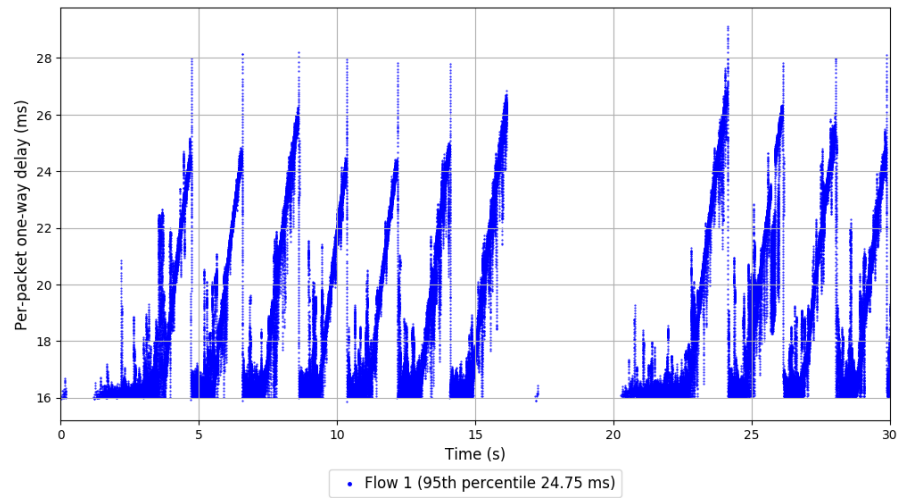
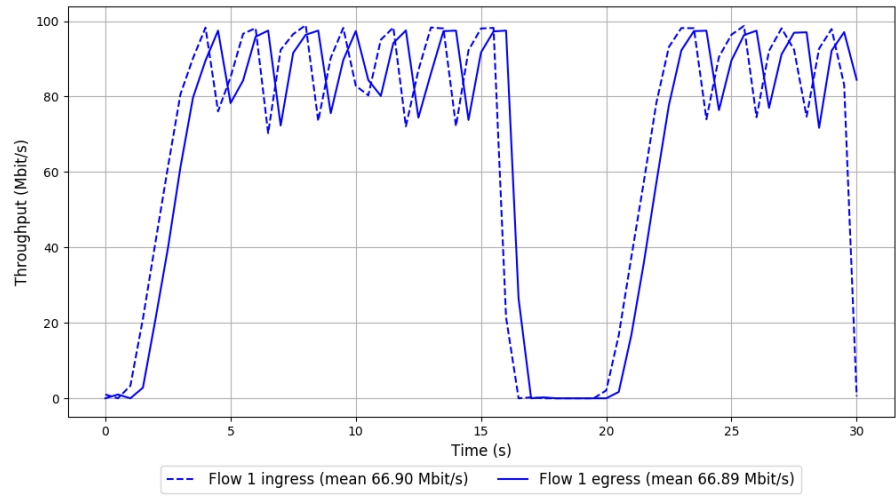


Run 8: Statistics of LEDBAT

Start at: 2018-06-19 03:57:33
End at: 2018-06-19 03:58:03
Local clock offset: 1.929 ms
Remote clock offset: -4.266 ms

Below is generated by plot.py at 2018-06-19 05:03:59
Datalink statistics
-- Total of 1 flow:
Average throughput: 66.89 Mbit/s
95th percentile per-packet one-way delay: 24.754 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 66.89 Mbit/s
95th percentile per-packet one-way delay: 24.754 ms
Loss rate: 0.09%

Run 8: Report of LEDBAT — Data Link

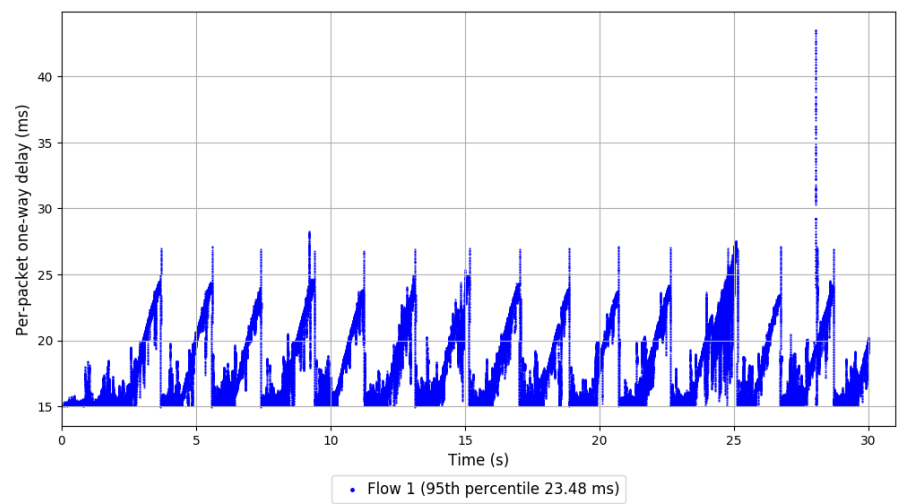
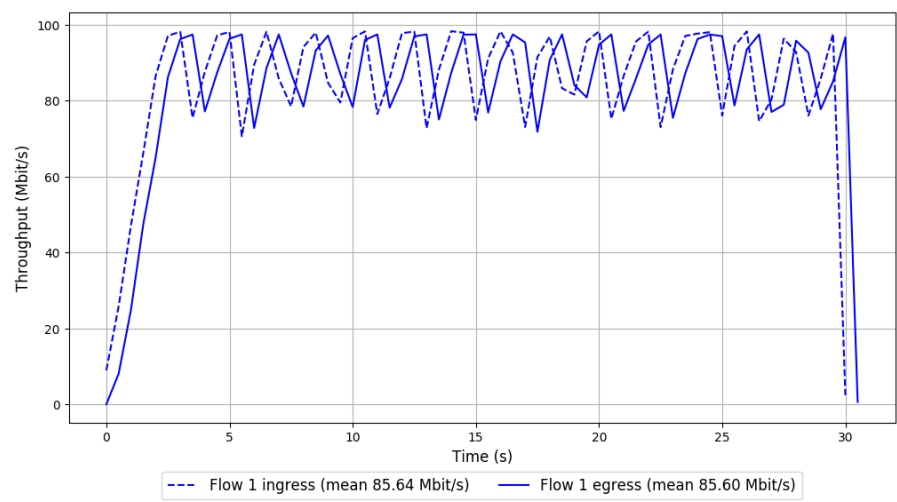


Run 9: Statistics of LEDBAT

Start at: 2018-06-19 04:16:26
End at: 2018-06-19 04:16:56
Local clock offset: 1.843 ms
Remote clock offset: -0.798 ms

Below is generated by plot.py at 2018-06-19 05:04:04
Datalink statistics
-- Total of 1 flow:
Average throughput: 85.60 Mbit/s
95th percentile per-packet one-way delay: 23.481 ms
Loss rate: 0.12%
-- Flow 1:
Average throughput: 85.60 Mbit/s
95th percentile per-packet one-way delay: 23.481 ms
Loss rate: 0.12%

Run 9: Report of LEDBAT — Data Link



Run 10: Statistics of LEDBAT

Start at: 2018-06-19 04:35:21

End at: 2018-06-19 04:35:51

Local clock offset: 0.644 ms

Remote clock offset: 0.895 ms

Below is generated by plot.py at 2018-06-19 05:04:04

Datalink statistics

-- Total of 1 flow:

Average throughput: 75.32 Mbit/s

95th percentile per-packet one-way delay: 22.106 ms

Loss rate: 0.01%

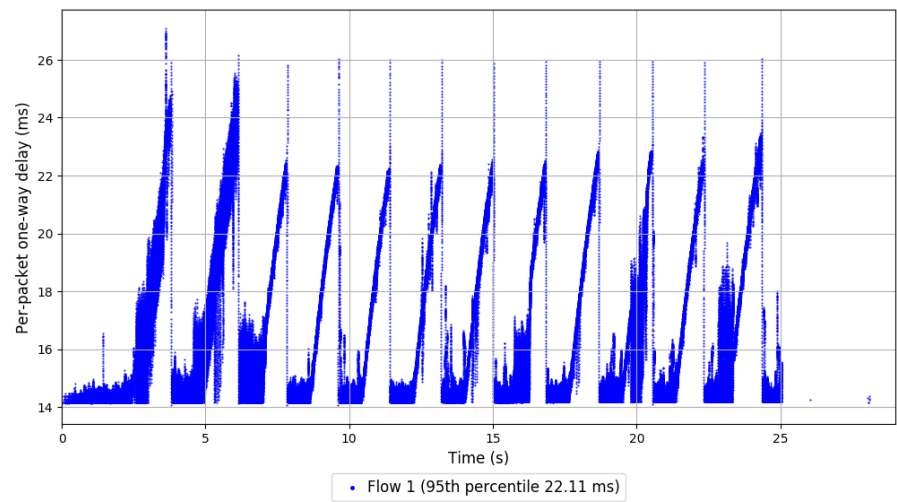
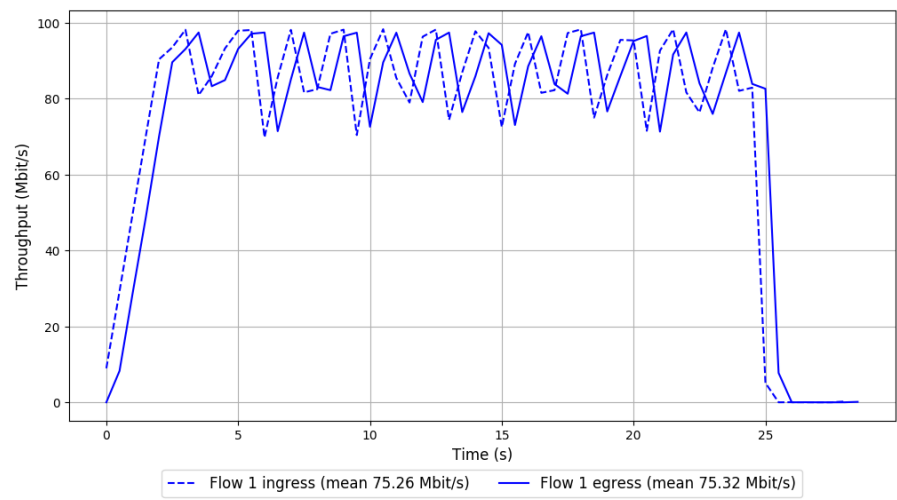
-- Flow 1:

Average throughput: 75.32 Mbit/s

95th percentile per-packet one-way delay: 22.106 ms

Loss rate: 0.01%

Run 10: Report of LEDBAT — Data Link



Run 1: Statistics of PCC-Allegro

Start at: 2018-06-19 01:45:06

End at: 2018-06-19 01:45:36

Local clock offset: 1.873 ms

Remote clock offset: -6.429 ms

Below is generated by plot.py at 2018-06-19 05:04:07

Datalink statistics

-- Total of 1 flow:

Average throughput: 75.02 Mbit/s

95th percentile per-packet one-way delay: 16.451 ms

Loss rate: 0.10%

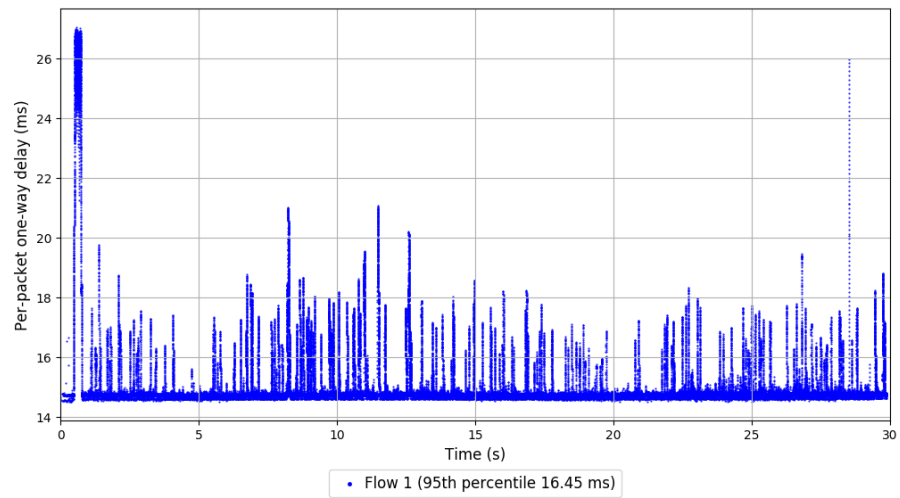
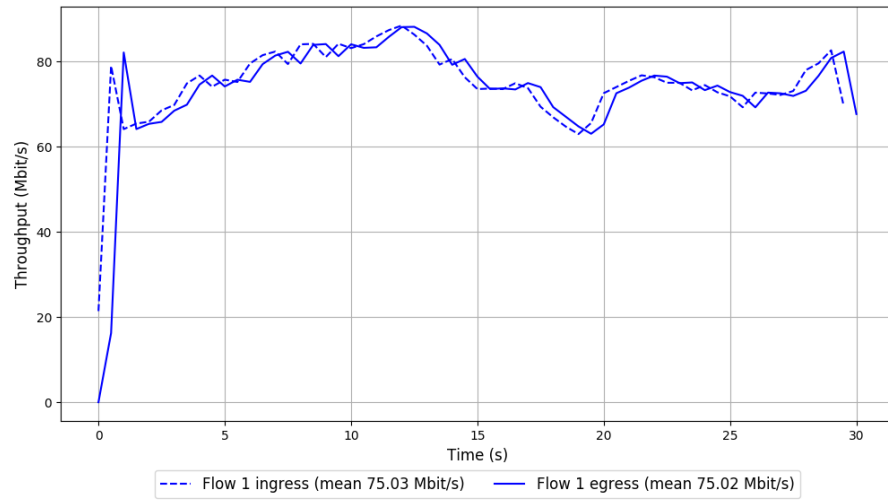
-- Flow 1:

Average throughput: 75.02 Mbit/s

95th percentile per-packet one-way delay: 16.451 ms

Loss rate: 0.10%

Run 1: Report of PCC-Allegro — Data Link



Run 2: Statistics of PCC-Allegro

Start at: 2018-06-19 02:04:06

End at: 2018-06-19 02:04:36

Local clock offset: 1.745 ms

Remote clock offset: 1.371 ms

Below is generated by plot.py at 2018-06-19 05:04:16

Datalink statistics

-- Total of 1 flow:

Average throughput: 89.93 Mbit/s

95th percentile per-packet one-way delay: 26.602 ms

Loss rate: 0.16%

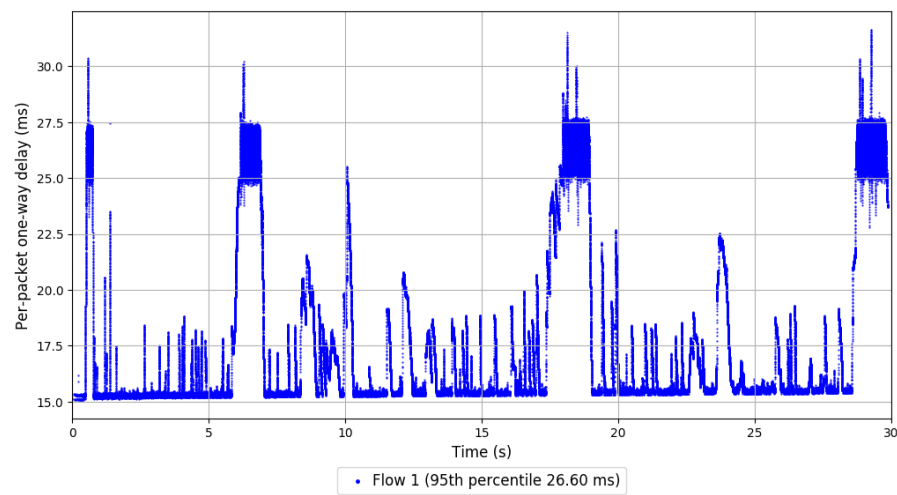
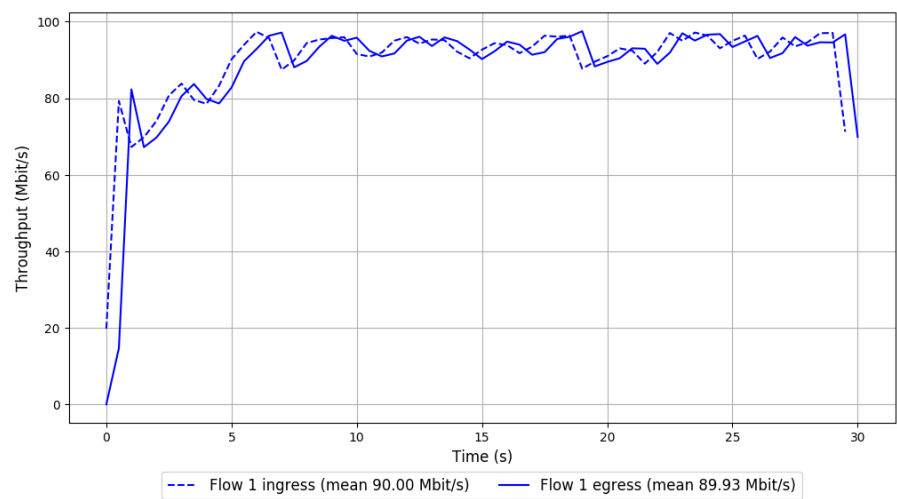
-- Flow 1:

Average throughput: 89.93 Mbit/s

95th percentile per-packet one-way delay: 26.602 ms

Loss rate: 0.16%

Run 2: Report of PCC-Allegro — Data Link



Run 3: Statistics of PCC-Allegro

Start at: 2018-06-19 02:23:04

End at: 2018-06-19 02:23:34

Local clock offset: 2.055 ms

Remote clock offset: 2.973 ms

Below is generated by plot.py at 2018-06-19 05:04:42

Datalink statistics

-- Total of 1 flow:

Average throughput: 90.91 Mbit/s

95th percentile per-packet one-way delay: 27.333 ms

Loss rate: 0.11%

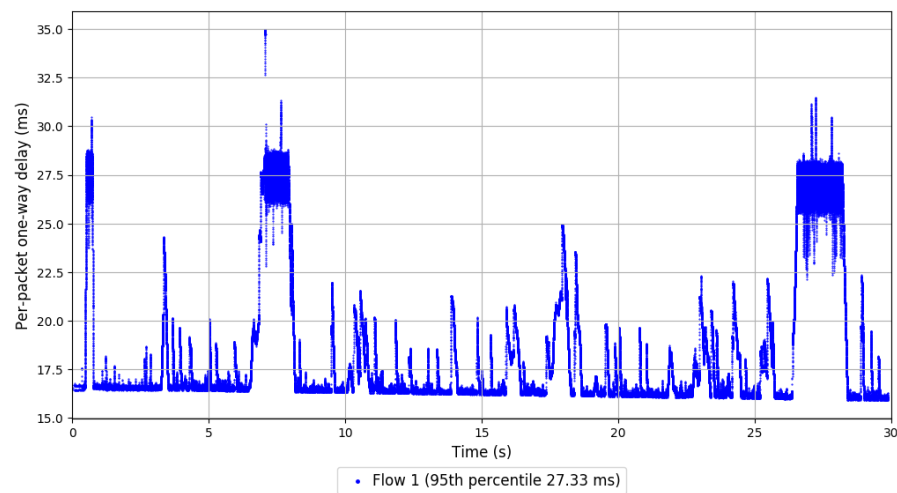
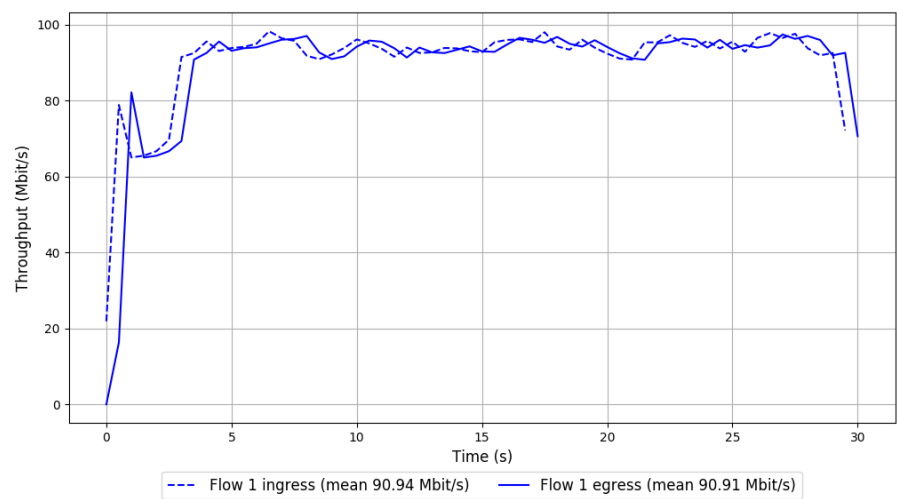
-- Flow 1:

Average throughput: 90.91 Mbit/s

95th percentile per-packet one-way delay: 27.333 ms

Loss rate: 0.11%

Run 3: Report of PCC-Allegro — Data Link



Run 4: Statistics of PCC-Allegro

Start at: 2018-06-19 02:42:35

End at: 2018-06-19 02:43:05

Local clock offset: 1.244 ms

Remote clock offset: -8.795 ms

Below is generated by plot.py at 2018-06-19 05:04:51

Datalink statistics

-- Total of 1 flow:

Average throughput: 84.69 Mbit/s

95th percentile per-packet one-way delay: 26.706 ms

Loss rate: 0.16%

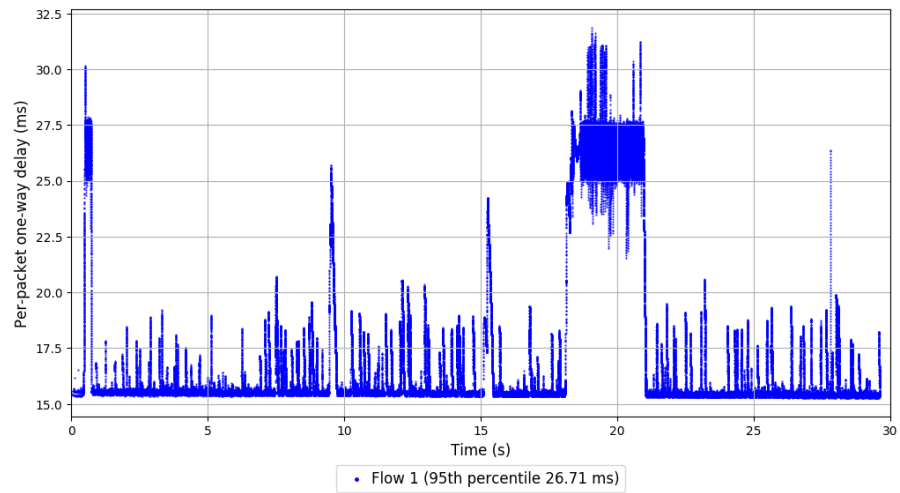
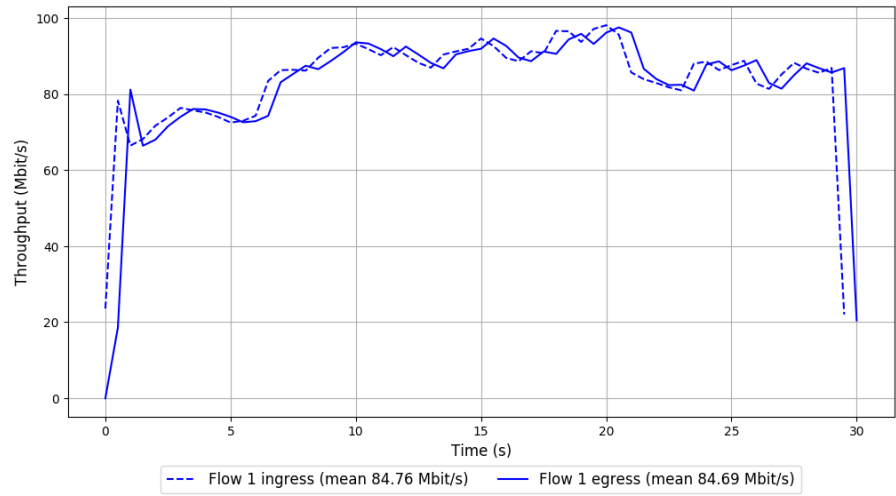
-- Flow 1:

Average throughput: 84.69 Mbit/s

95th percentile per-packet one-way delay: 26.706 ms

Loss rate: 0.16%

Run 4: Report of PCC-Allegro — Data Link



Run 5: Statistics of PCC-Allegro

Start at: 2018-06-19 03:01:49

End at: 2018-06-19 03:02:19

Local clock offset: 2.179 ms

Remote clock offset: -11.506 ms

Below is generated by plot.py at 2018-06-19 05:04:59

Datalink statistics

-- Total of 1 flow:

Average throughput: 90.92 Mbit/s

95th percentile per-packet one-way delay: 26.551 ms

Loss rate: 0.20%

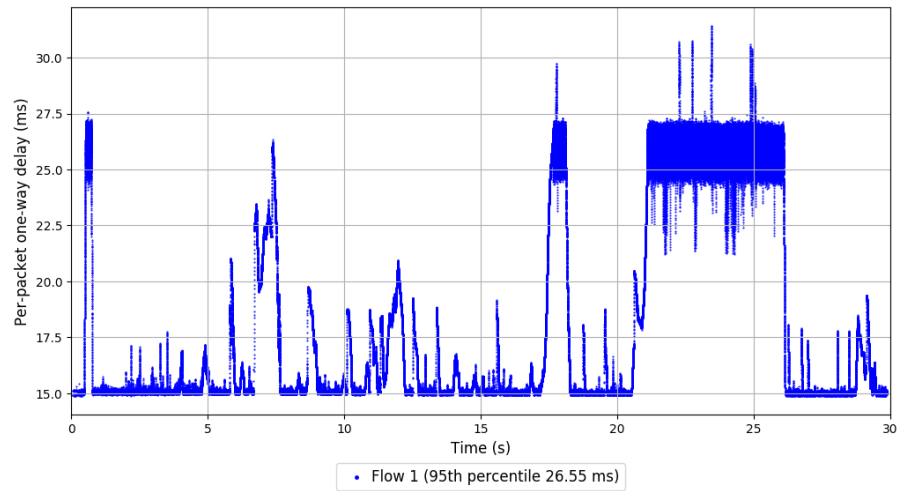
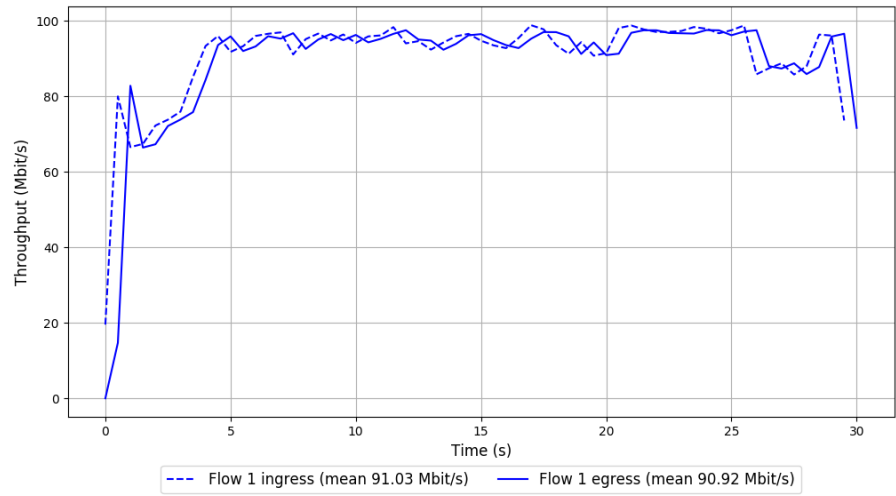
-- Flow 1:

Average throughput: 90.92 Mbit/s

95th percentile per-packet one-way delay: 26.551 ms

Loss rate: 0.20%

Run 5: Report of PCC-Allegro — Data Link



Run 6: Statistics of PCC-Allegro

Start at: 2018-06-19 03:20:48

End at: 2018-06-19 03:21:18

Local clock offset: 0.399 ms

Remote clock offset: -13.585 ms

Below is generated by plot.py at 2018-06-19 05:05:00

Datalink statistics

-- Total of 1 flow:

Average throughput: 87.75 Mbit/s

95th percentile per-packet one-way delay: 24.193 ms

Loss rate: 0.23%

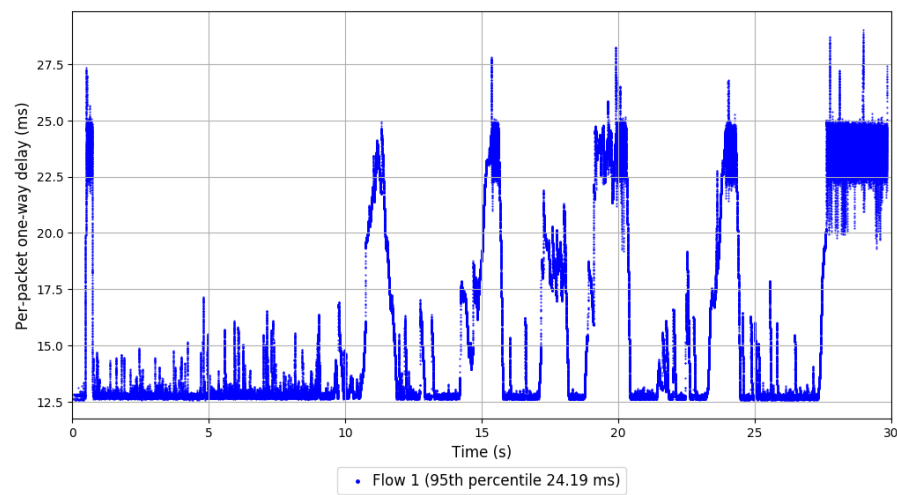
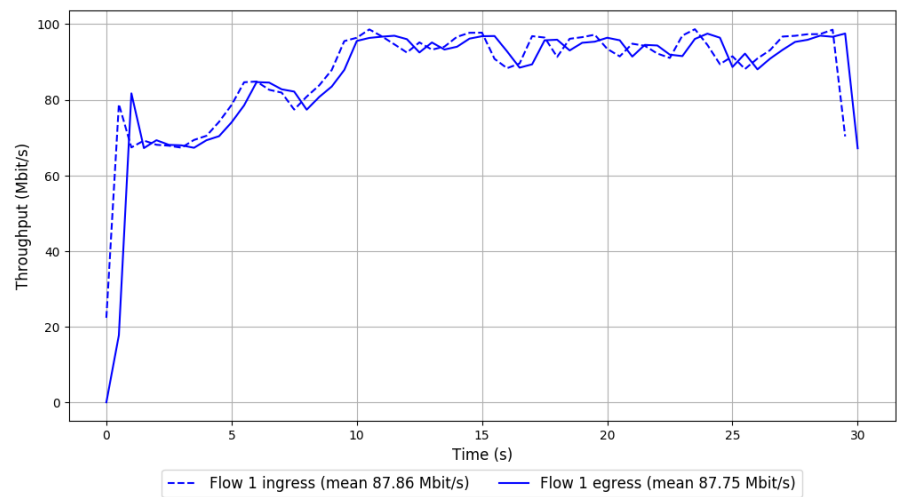
-- Flow 1:

Average throughput: 87.75 Mbit/s

95th percentile per-packet one-way delay: 24.193 ms

Loss rate: 0.23%

Run 6: Report of PCC-Allegro — Data Link



Run 7: Statistics of PCC-Allegro

Start at: 2018-06-19 03:39:57

End at: 2018-06-19 03:40:27

Local clock offset: 2.156 ms

Remote clock offset: -7.314 ms

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

Datalink statistics

-- Total of 1 flow:

Average throughput: 89.85 Mbit/s

95th percentile per-packet one-way delay: 26.546 ms

Loss rate: 0.23%

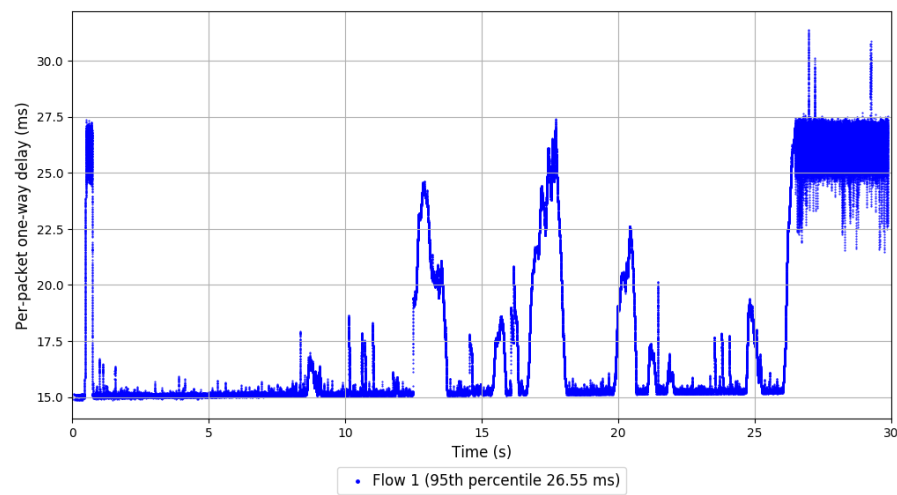
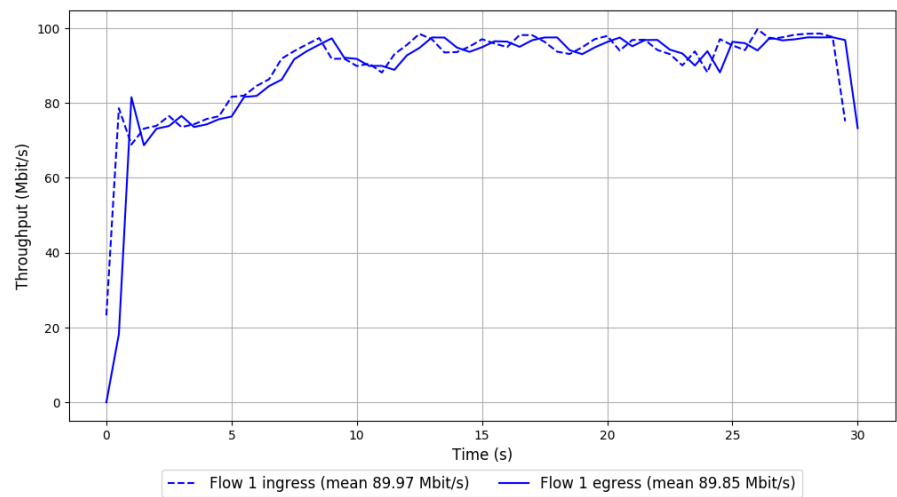
-- Flow 1:

Average throughput: 89.85 Mbit/s

95th percentile per-packet one-way delay: 26.546 ms

Loss rate: 0.23%

Run 7: Report of PCC-Allegro — Data Link



Run 8: Statistics of PCC-Allegro

Start at: 2018-06-19 03:58:50

End at: 2018-06-19 03:59:20

Local clock offset: 1.833 ms

Remote clock offset: -3.664 ms

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

Datalink statistics

-- Total of 1 flow:

Average throughput: 86.18 Mbit/s

95th percentile per-packet one-way delay: 27.367 ms

Loss rate: 0.18%

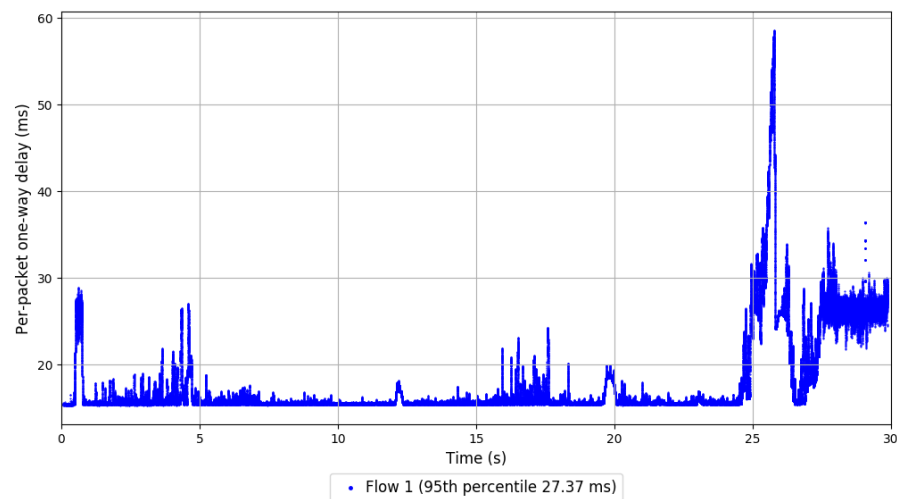
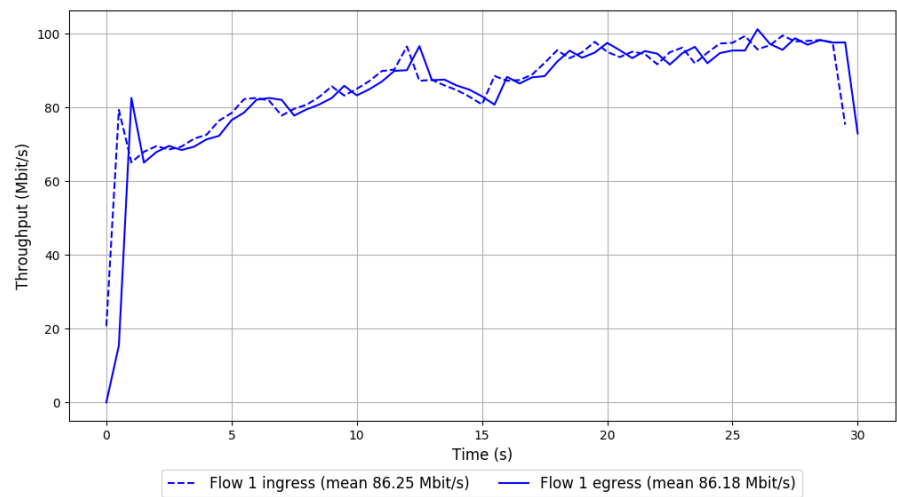
-- Flow 1:

Average throughput: 86.18 Mbit/s

95th percentile per-packet one-way delay: 27.367 ms

Loss rate: 0.18%

Run 8: Report of PCC-Allegro — Data Link



Run 9: Statistics of PCC-Allegro

Start at: 2018-06-19 04:17:39

End at: 2018-06-19 04:18:09

Local clock offset: 1.456 ms

Remote clock offset: -0.254 ms

Below is generated by plot.py at 2018-06-19 05:05:08

Datalink statistics

-- Total of 1 flow:

Average throughput: 84.26 Mbit/s

95th percentile per-packet one-way delay: 25.729 ms

Loss rate: 0.21%

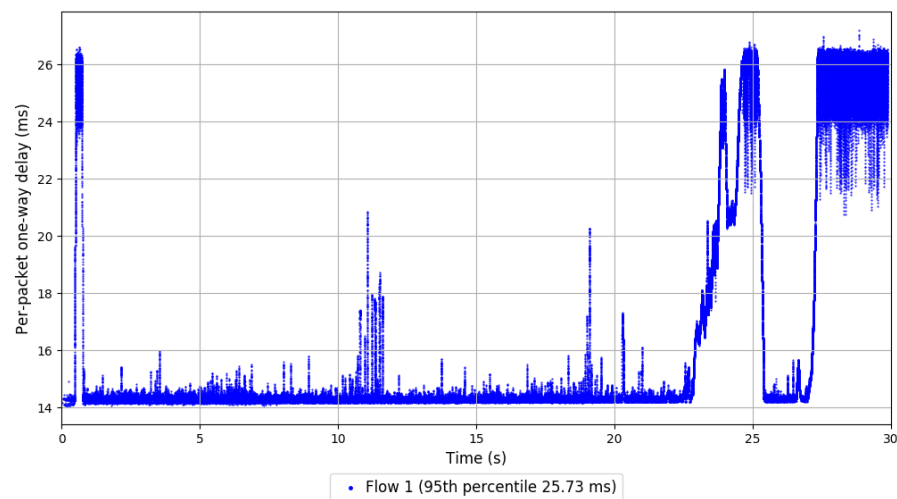
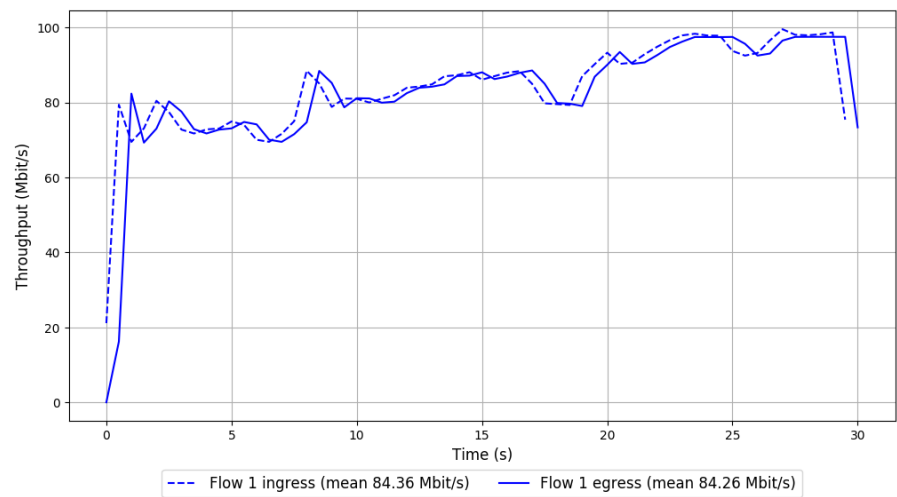
-- Flow 1:

Average throughput: 84.26 Mbit/s

95th percentile per-packet one-way delay: 25.729 ms

Loss rate: 0.21%

Run 9: Report of PCC-Allegro — Data Link



Run 10: Statistics of PCC-Allegro

Start at: 2018-06-19 04:36:30

End at: 2018-06-19 04:37:00

Local clock offset: 1.693 ms

Remote clock offset: 0.946 ms

Below is generated by plot.py at 2018-06-19 05:05:08

Datalink statistics

-- Total of 1 flow:

Average throughput: 28.05 Mbit/s

95th percentile per-packet one-way delay: 15.365 ms

Loss rate: 0.13%

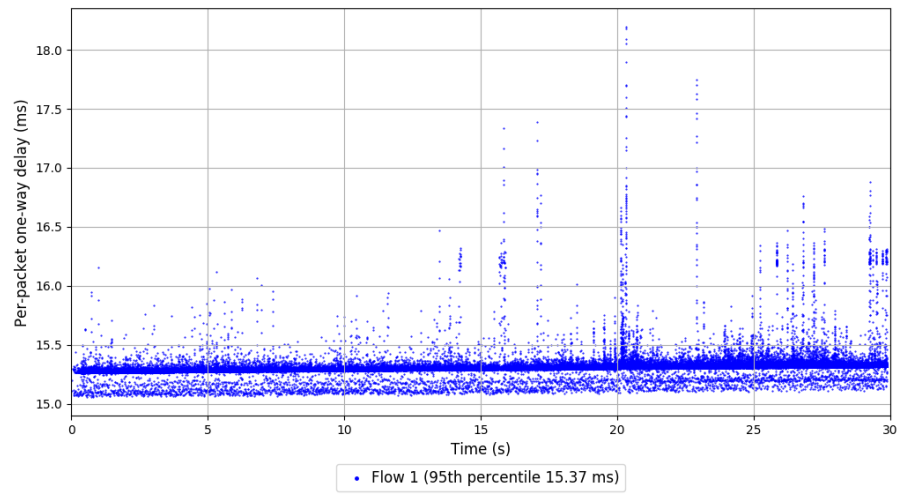
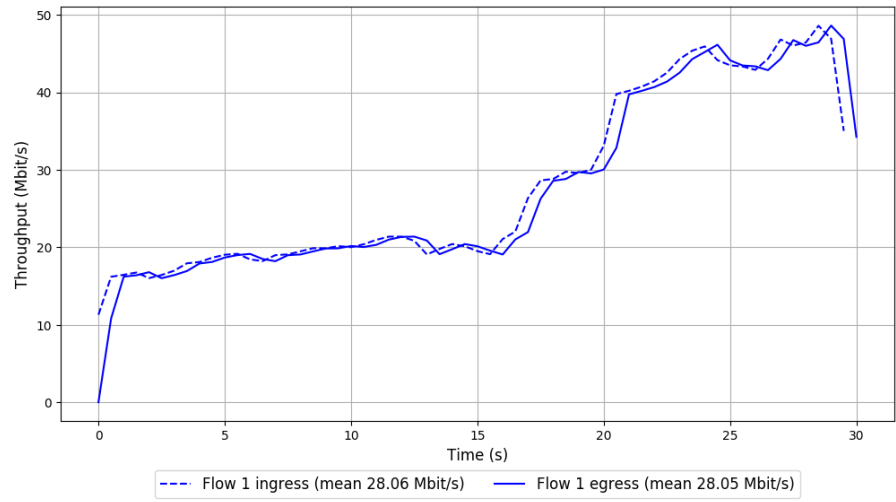
-- Flow 1:

Average throughput: 28.05 Mbit/s

95th percentile per-packet one-way delay: 15.365 ms

Loss rate: 0.13%

Run 10: Report of PCC-Allegro — Data Link

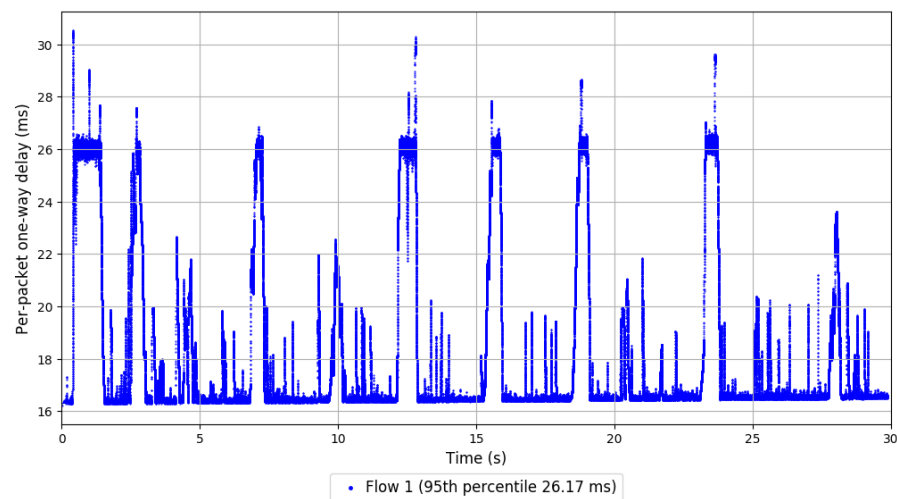
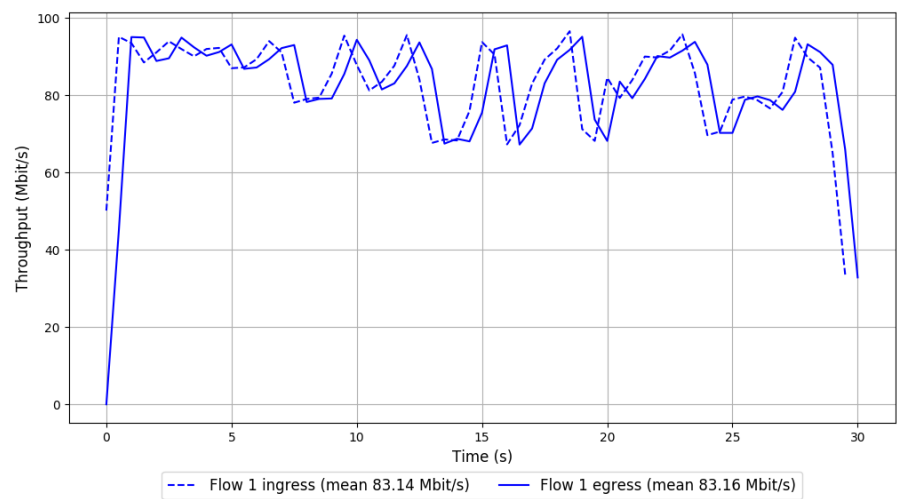


```
Run 1: Statistics of PCC-Expr

Start at: 2018-06-19 01:55:48
End at: 2018-06-19 01:56:18
Local clock offset: 2.501 ms
Remote clock offset: -1.639 ms

# Below is generated by plot.py at 2018-06-19 05:06:31
# Datalink statistics
-- Total of 1 flow:
Average throughput: 83.16 Mbit/s
95th percentile per-packet one-way delay: 26.172 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 83.16 Mbit/s
95th percentile per-packet one-way delay: 26.172 ms
Loss rate: 0.06%
```

Run 1: Report of PCC-Expr — Data Link



Run 2: Statistics of PCC-Expr

Start at: 2018-06-19 02:14:41

End at: 2018-06-19 02:15:11

Local clock offset: 1.264 ms

Remote clock offset: 3.341 ms

Below is generated by plot.py at 2018-06-19 05:06:31

Datalink statistics

-- Total of 1 flow:

Average throughput: 77.57 Mbit/s

95th percentile per-packet one-way delay: 26.256 ms

Loss rate: 0.15%

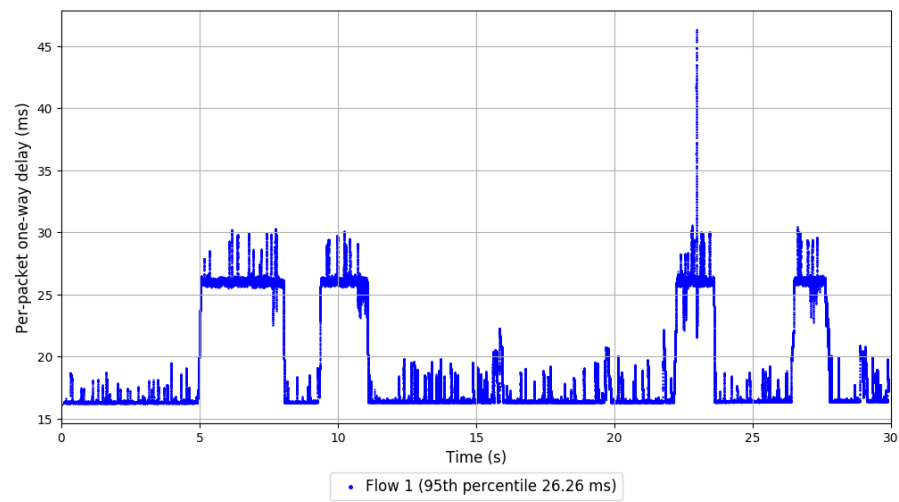
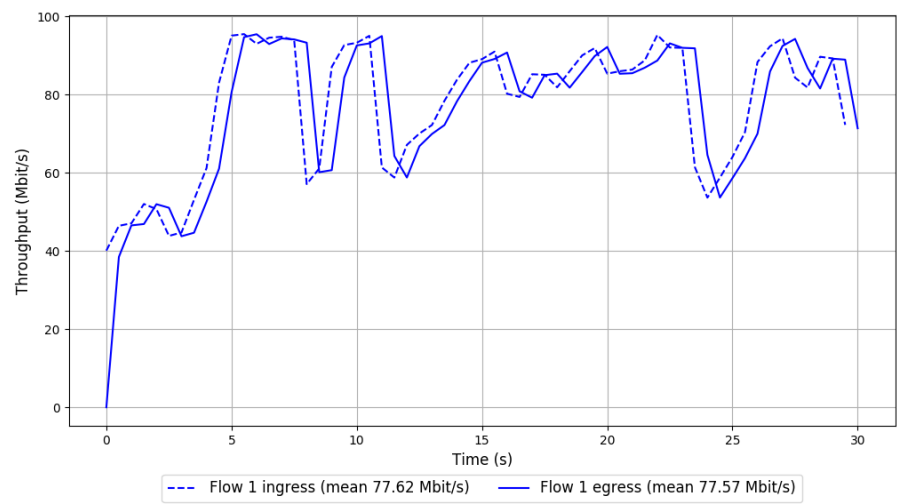
-- Flow 1:

Average throughput: 77.57 Mbit/s

95th percentile per-packet one-way delay: 26.256 ms

Loss rate: 0.15%

Run 2: Report of PCC-Expr — Data Link

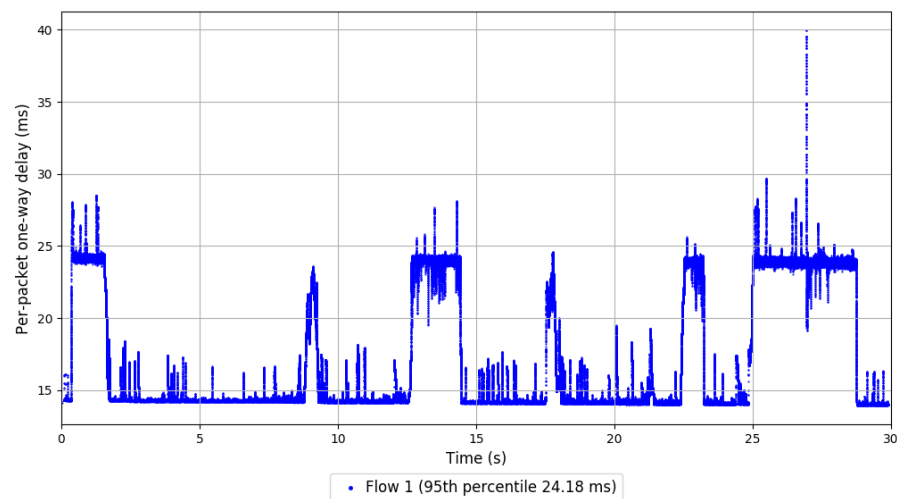
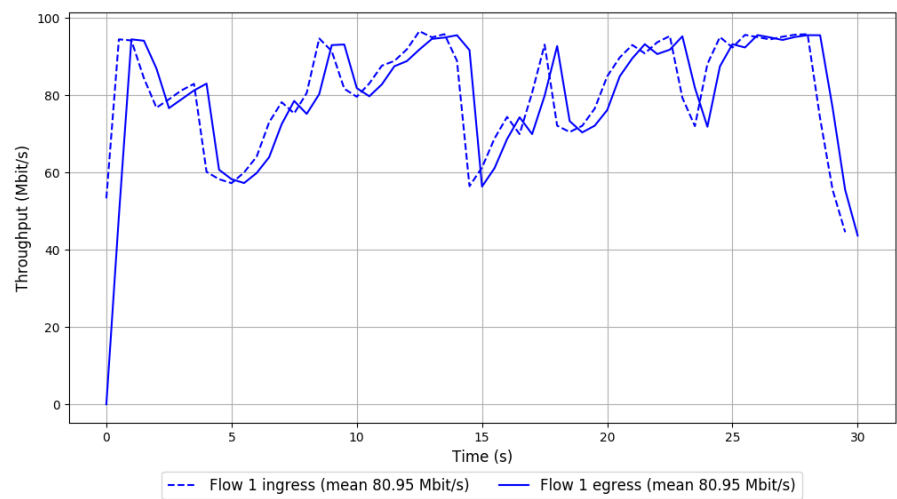


Run 3: Statistics of PCC-Expr

Start at: 2018-06-19 02:34:04
End at: 2018-06-19 02:34:34
Local clock offset: -0.723 ms
Remote clock offset: -5.665 ms

Below is generated by plot.py at 2018-06-19 05:06:35
Datalink statistics
-- Total of 1 flow:
Average throughput: 80.95 Mbit/s
95th percentile per-packet one-way delay: 24.175 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 80.95 Mbit/s
95th percentile per-packet one-way delay: 24.175 ms
Loss rate: 0.09%

Run 3: Report of PCC-Expr — Data Link

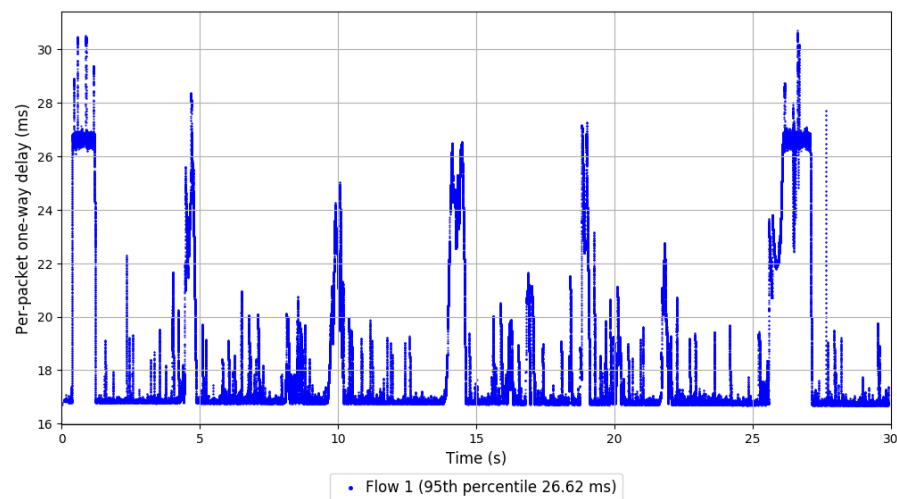
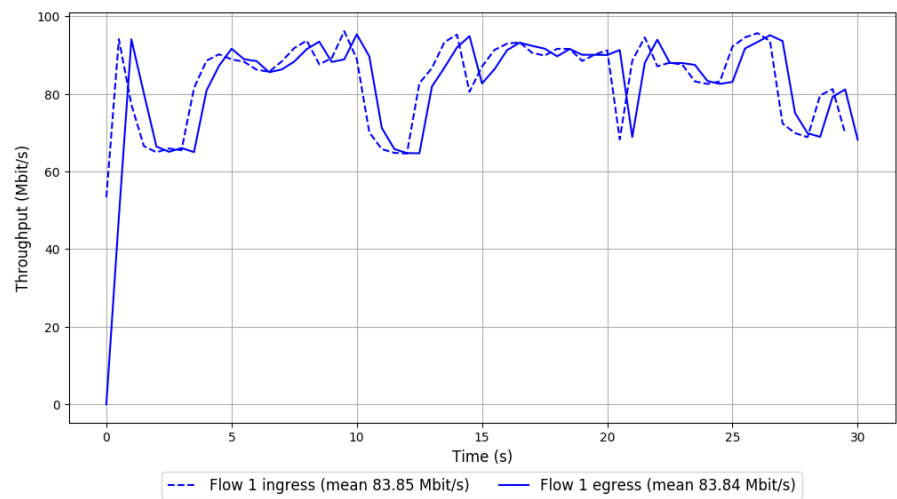


Run 4: Statistics of PCC-Expr

Start at: 2018-06-19 02:53:30
End at: 2018-06-19 02:54:00
Local clock offset: 3.565 ms
Remote clock offset: -10.387 ms

Below is generated by plot.py at 2018-06-19 05:06:46
Datalink statistics
-- Total of 1 flow:
Average throughput: 83.84 Mbit/s
95th percentile per-packet one-way delay: 26.625 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 83.84 Mbit/s
95th percentile per-packet one-way delay: 26.625 ms
Loss rate: 0.09%

Run 4: Report of PCC-Expr — Data Link

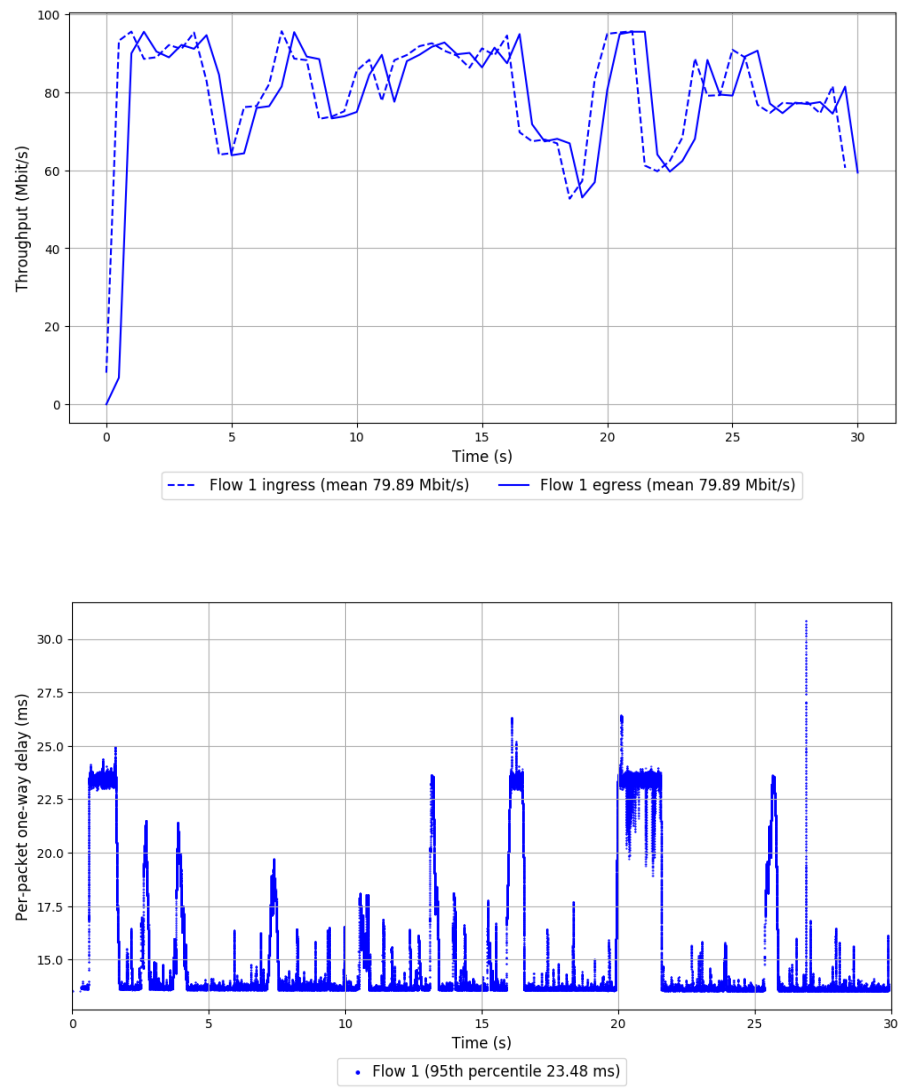


Run 5: Statistics of PCC-Expr

Start at: 2018-06-19 03:12:44
End at: 2018-06-19 03:13:14
Local clock offset: 1.264 ms
Remote clock offset: -12.446 ms

Below is generated by plot.py at 2018-06-19 05:06:46
Datalink statistics
-- Total of 1 flow:
Average throughput: 79.89 Mbit/s
95th percentile per-packet one-way delay: 23.479 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 79.89 Mbit/s
95th percentile per-packet one-way delay: 23.479 ms
Loss rate: 0.08%

Run 5: Report of PCC-Expr — Data Link



Run 6: Statistics of PCC-Expr

Start at: 2018-06-19 03:31:42

End at: 2018-06-19 03:32:12

Local clock offset: 3.625 ms

Remote clock offset: -14.68 ms

Below is generated by plot.py at 2018-06-19 05:06:46

Datalink statistics

-- Total of 1 flow:

Average throughput: 69.25 Mbit/s

95th percentile per-packet one-way delay: 51.208 ms

Loss rate: 0.24%

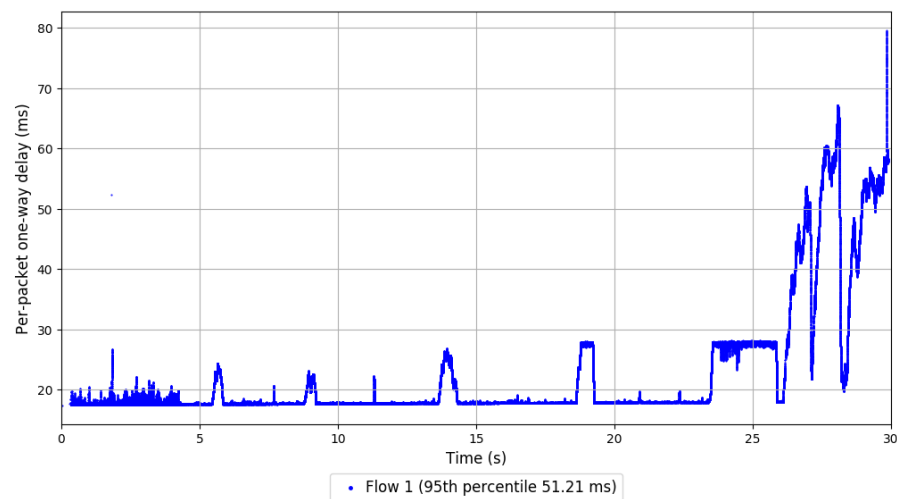
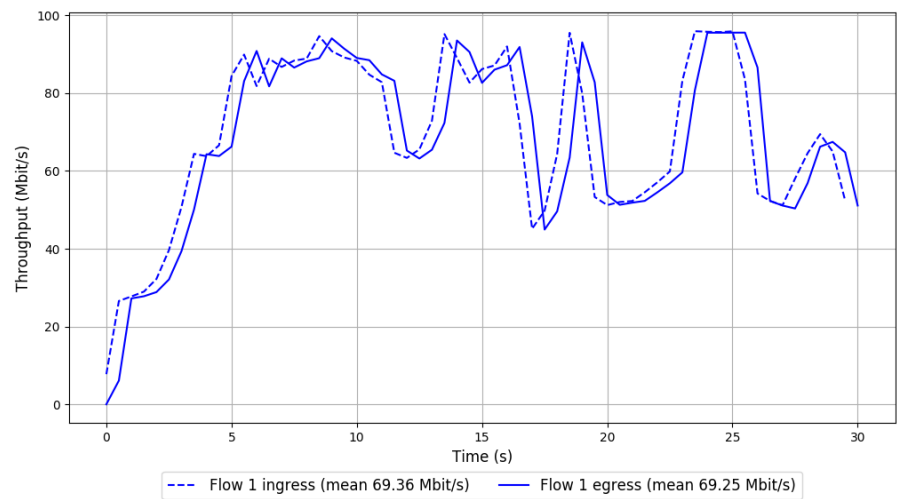
-- Flow 1:

Average throughput: 69.25 Mbit/s

95th percentile per-packet one-way delay: 51.208 ms

Loss rate: 0.24%

Run 6: Report of PCC-Expr — Data Link



Run 7: Statistics of PCC-Expr

Start at: 2018-06-19 03:50:48

End at: 2018-06-19 03:51:18

Local clock offset: 0.444 ms

Remote clock offset: -4.93 ms

Below is generated by plot.py at 2018-06-19 05:06:46

Datalink statistics

-- Total of 1 flow:

Average throughput: 66.17 Mbit/s

95th percentile per-packet one-way delay: 24.155 ms

Loss rate: 0.13%

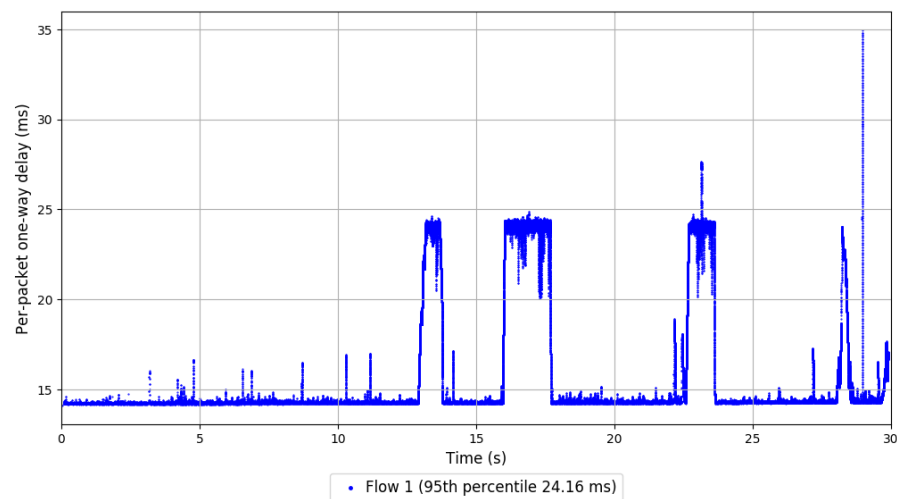
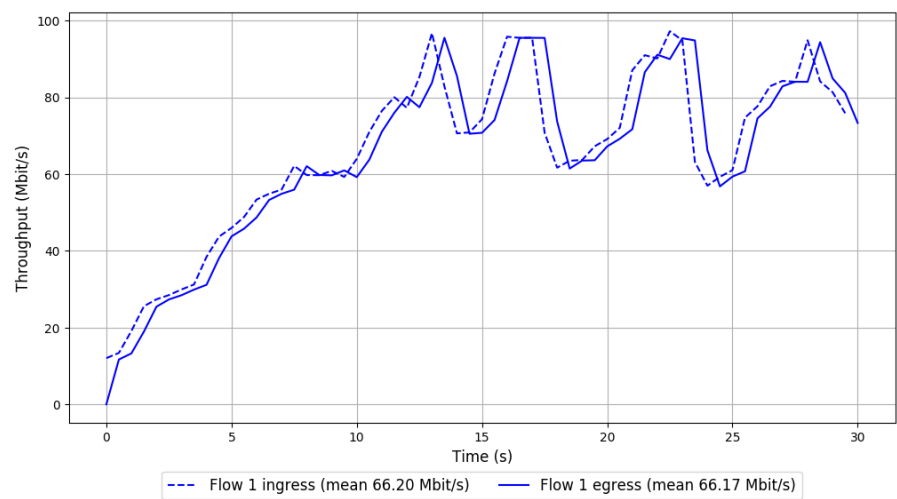
-- Flow 1:

Average throughput: 66.17 Mbit/s

95th percentile per-packet one-way delay: 24.155 ms

Loss rate: 0.13%

Run 7: Report of PCC-Expr — Data Link



Run 8: Statistics of PCC-Expr

Start at: 2018-06-19 04:09:40

End at: 2018-06-19 04:10:10

Local clock offset: 3.282 ms

Remote clock offset: -2.74 ms

Below is generated by plot.py at 2018-06-19 05:06:46

Datalink statistics

-- Total of 1 flow:

Average throughput: 42.97 Mbit/s

95th percentile per-packet one-way delay: 17.701 ms

Loss rate: 0.17%

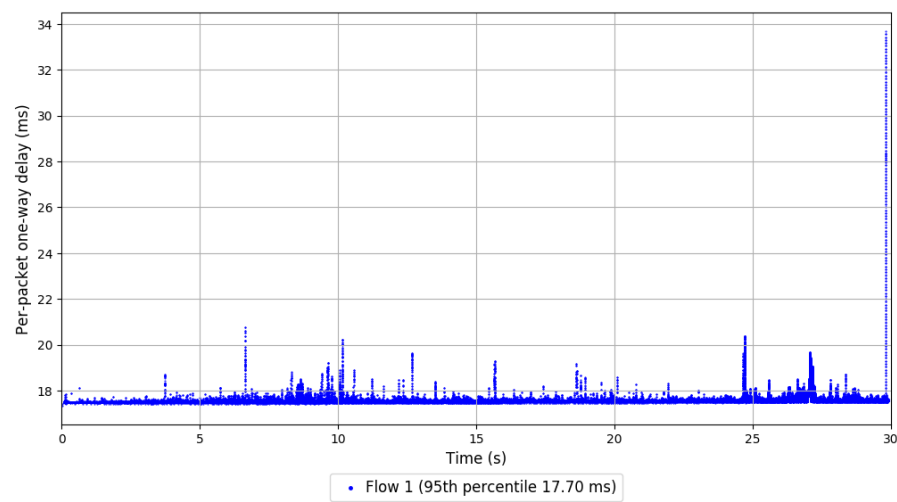
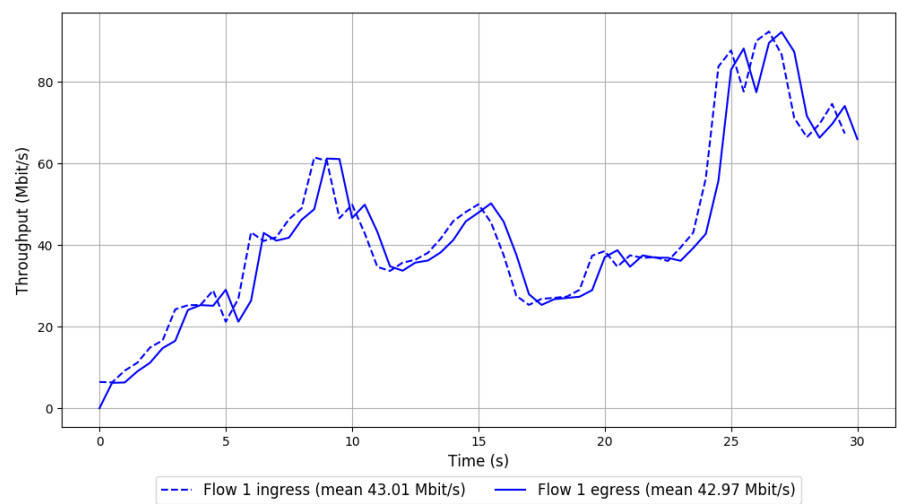
-- Flow 1:

Average throughput: 42.97 Mbit/s

95th percentile per-packet one-way delay: 17.701 ms

Loss rate: 0.17%

Run 8: Report of PCC-Expr — Data Link



Run 9: Statistics of PCC-Expr

Start at: 2018-06-19 04:28:28

End at: 2018-06-19 04:28:58

Local clock offset: 1.365 ms

Remote clock offset: 0.174 ms

Below is generated by plot.py at 2018-06-19 05:07:57

Datalink statistics

-- Total of 1 flow:

Average throughput: 79.64 Mbit/s

95th percentile per-packet one-way delay: 24.729 ms

Loss rate: 0.11%

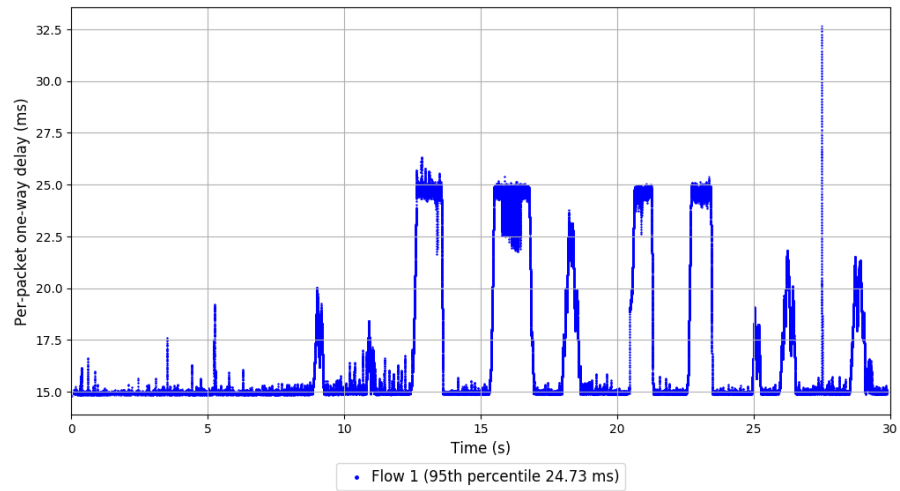
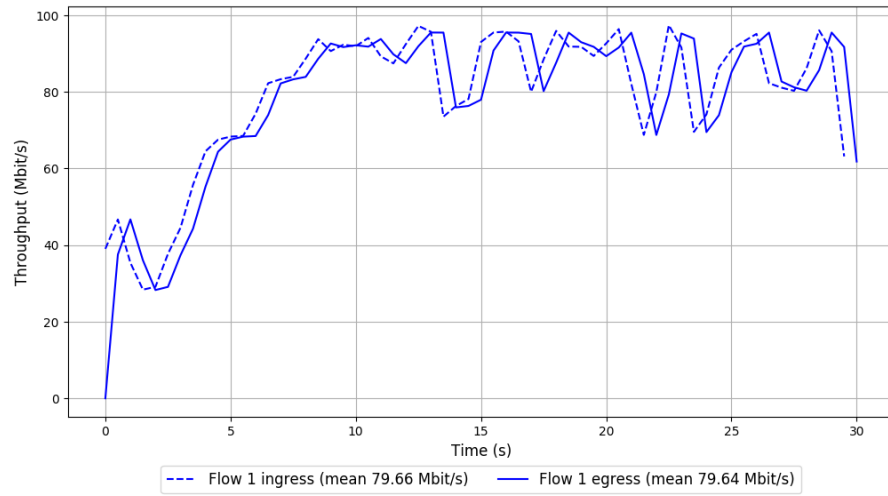
-- Flow 1:

Average throughput: 79.64 Mbit/s

95th percentile per-packet one-way delay: 24.729 ms

Loss rate: 0.11%

Run 9: Report of PCC-Expr — Data Link

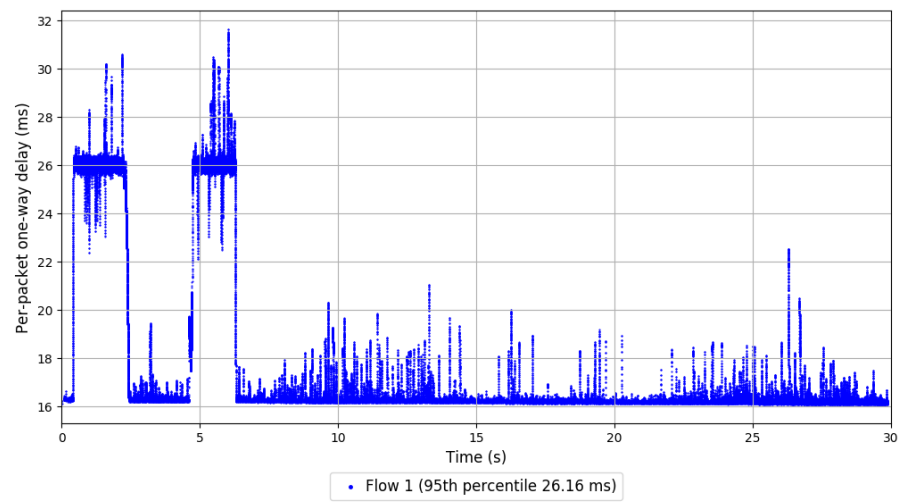
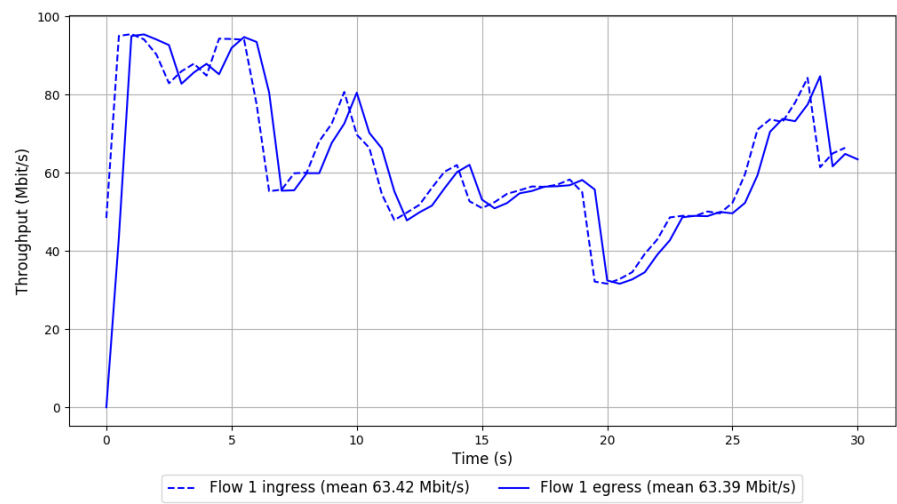


Run 10: Statistics of PCC-Expr

Start at: 2018-06-19 04:47:31
End at: 2018-06-19 04:48:01
Local clock offset: 2.46 ms
Remote clock offset: -3.335 ms

Below is generated by plot.py at 2018-06-19 05:07:57
Datalink statistics
-- Total of 1 flow:
Average throughput: 63.39 Mbit/s
95th percentile per-packet one-way delay: 26.157 ms
Loss rate: 0.15%
-- Flow 1:
Average throughput: 63.39 Mbit/s
95th percentile per-packet one-way delay: 26.157 ms
Loss rate: 0.15%

Run 10: Report of PCC-Expr — Data Link



Run 1: Statistics of QUIC Cubic

Start at: 2018-06-19 01:59:12

End at: 2018-06-19 01:59:42

Local clock offset: 2.776 ms

Remote clock offset: 0.389 ms

Below is generated by plot.py at 2018-06-19 05:07:57

Datalink statistics

-- Total of 1 flow:

Average throughput: 90.40 Mbit/s

95th percentile per-packet one-way delay: 26.057 ms

Loss rate: 0.12%

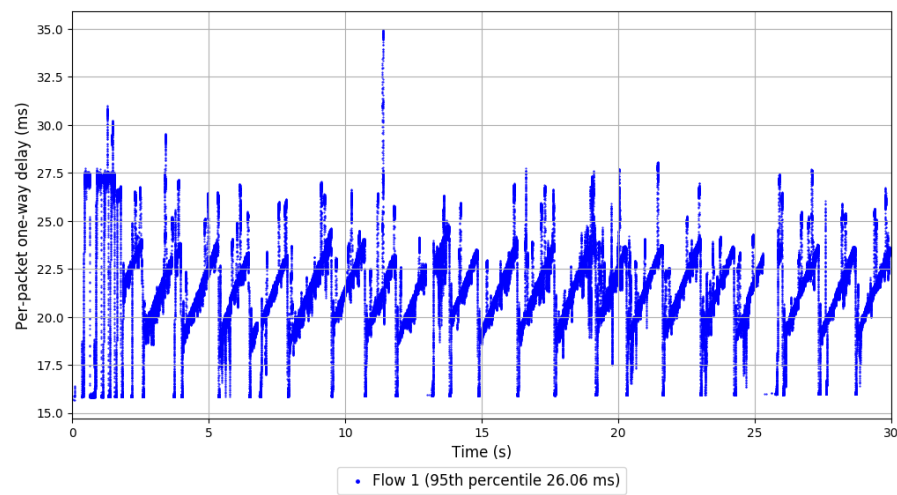
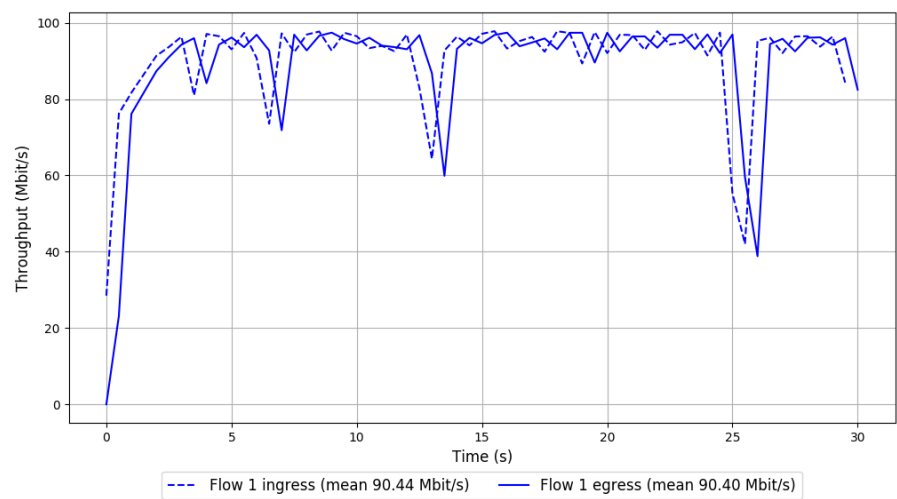
-- Flow 1:

Average throughput: 90.40 Mbit/s

95th percentile per-packet one-way delay: 26.057 ms

Loss rate: 0.12%

Run 1: Report of QUIC Cubic — Data Link



Run 2: Statistics of QUIC Cubic

Start at: 2018-06-19 02:18:08

End at: 2018-06-19 02:18:38

Local clock offset: 1.525 ms

Remote clock offset: 4.095 ms

Below is generated by plot.py at 2018-06-19 05:07:57

Datalink statistics

-- Total of 1 flow:

Average throughput: 89.42 Mbit/s

95th percentile per-packet one-way delay: 25.840 ms

Loss rate: 0.11%

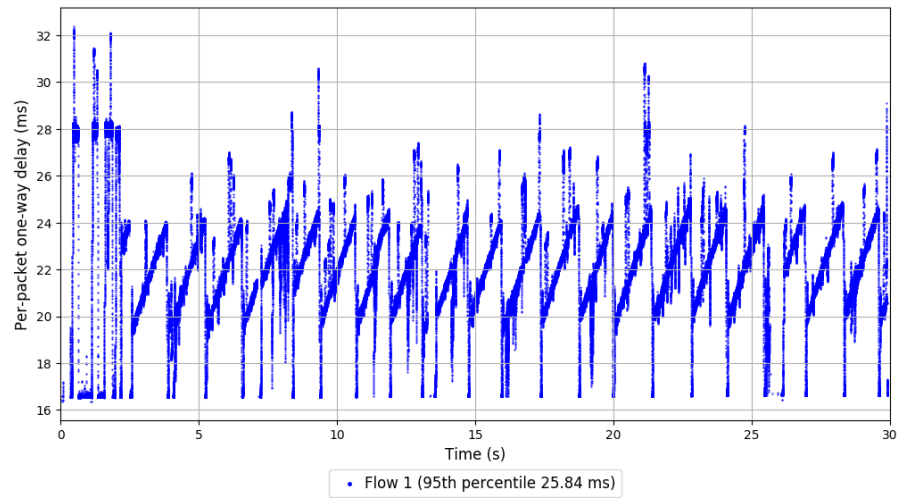
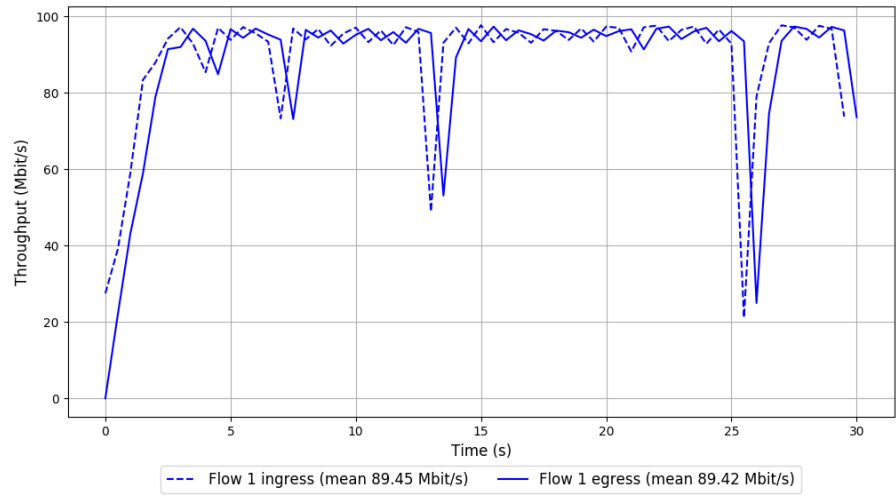
-- Flow 1:

Average throughput: 89.42 Mbit/s

95th percentile per-packet one-way delay: 25.840 ms

Loss rate: 0.11%

Run 2: Report of QUIC Cubic — Data Link



Run 3: Statistics of QUIC Cubic

Start at: 2018-06-19 02:37:53

End at: 2018-06-19 02:38:23

Local clock offset: 1.053 ms

Remote clock offset: -7.257 ms

Below is generated by plot.py at 2018-06-19 05:07:57

Datalink statistics

-- Total of 1 flow:

Average throughput: 90.07 Mbit/s

95th percentile per-packet one-way delay: 25.819 ms

Loss rate: 0.12%

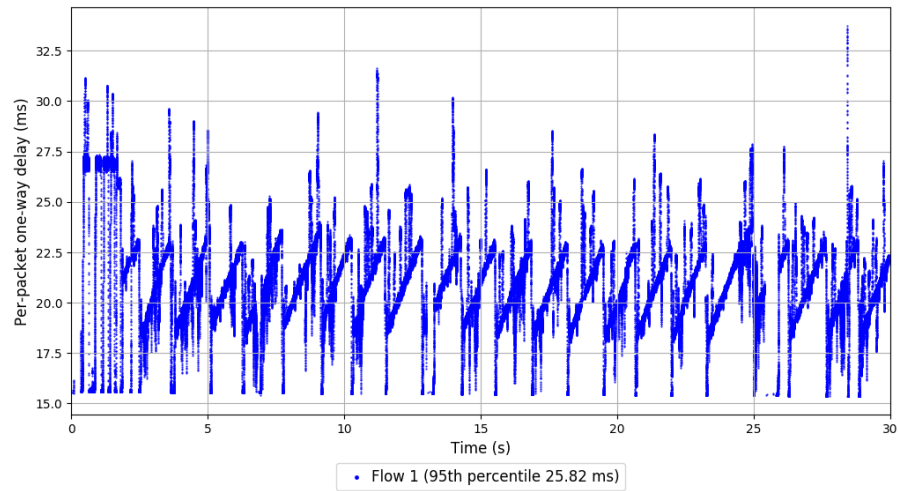
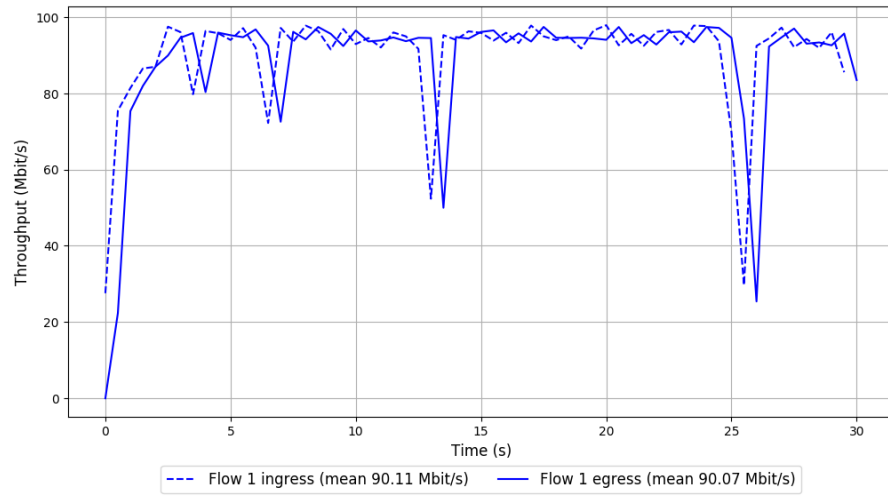
-- Flow 1:

Average throughput: 90.07 Mbit/s

95th percentile per-packet one-way delay: 25.819 ms

Loss rate: 0.12%

Run 3: Report of QUIC Cubic — Data Link

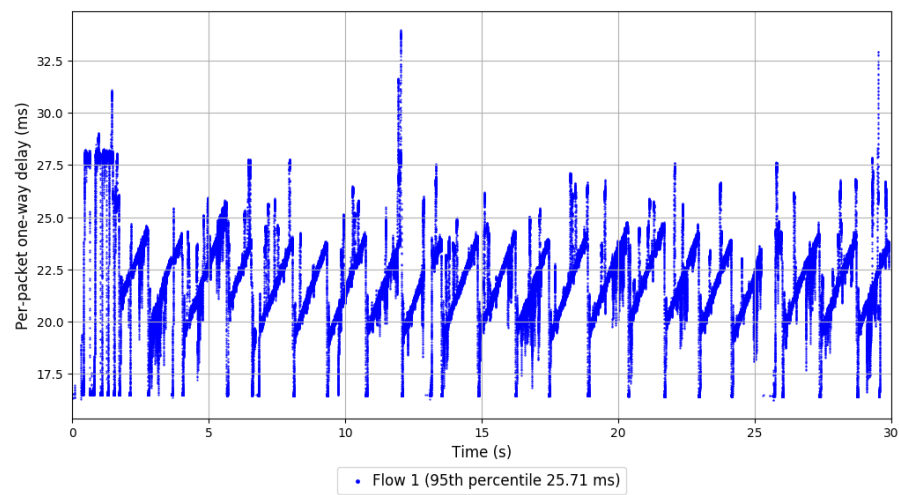
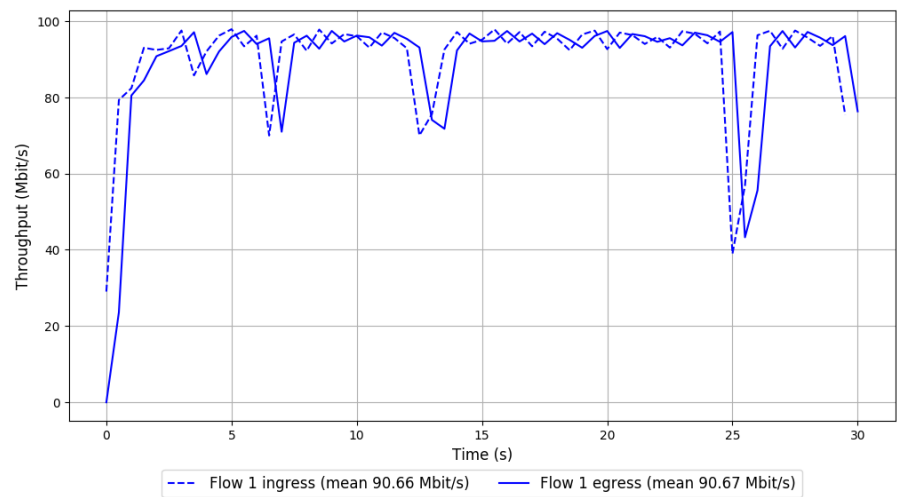


Run 4: Statistics of QUIC Cubic

Start at: 2018-06-19 02:56:58
End at: 2018-06-19 02:57:28
Local clock offset: 3.432 ms
Remote clock offset: -10.844 ms

Below is generated by plot.py at 2018-06-19 05:07:57
Datalink statistics
-- Total of 1 flow:
Average throughput: 90.67 Mbit/s
95th percentile per-packet one-way delay: 25.711 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 90.67 Mbit/s
95th percentile per-packet one-way delay: 25.711 ms
Loss rate: 0.07%

Run 4: Report of QUIC Cubic — Data Link

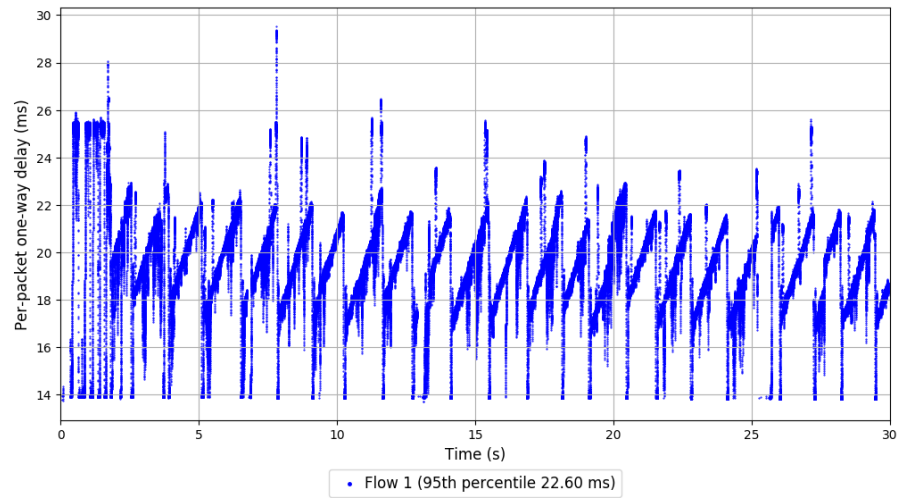
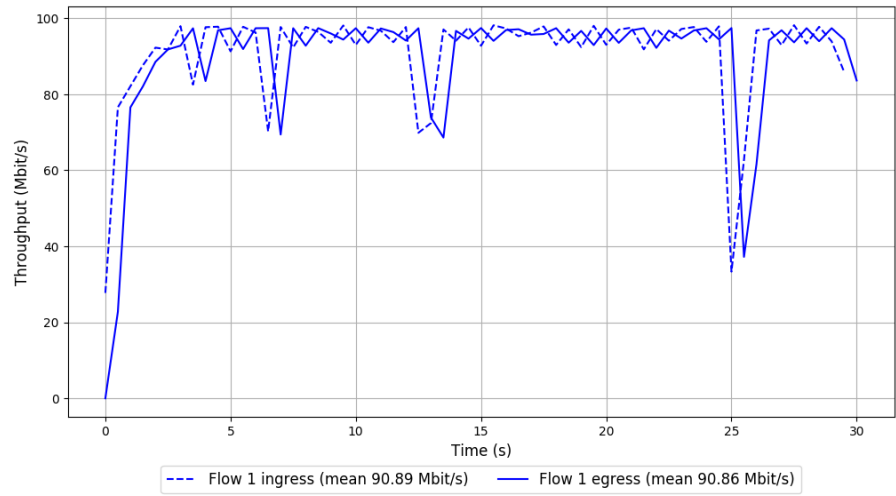


Run 5: Statistics of QUIC Cubic

Start at: 2018-06-19 03:16:11
End at: 2018-06-19 03:16:41
Local clock offset: 0.361 ms
Remote clock offset: -14.079 ms

Below is generated by plot.py at 2018-06-19 05:07:59
Datalink statistics
-- Total of 1 flow:
Average throughput: 90.86 Mbit/s
95th percentile per-packet one-way delay: 22.597 ms
Loss rate: 0.11%
-- Flow 1:
Average throughput: 90.86 Mbit/s
95th percentile per-packet one-way delay: 22.597 ms
Loss rate: 0.11%

Run 5: Report of QUIC Cubic — Data Link

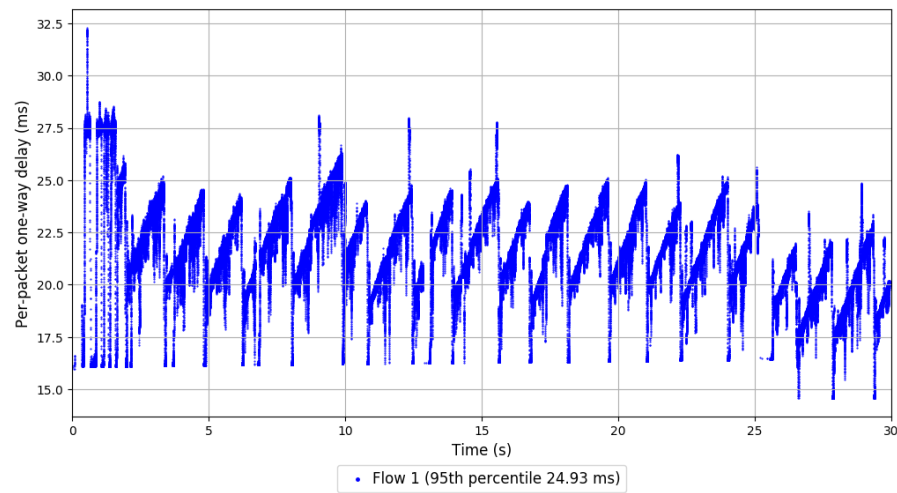
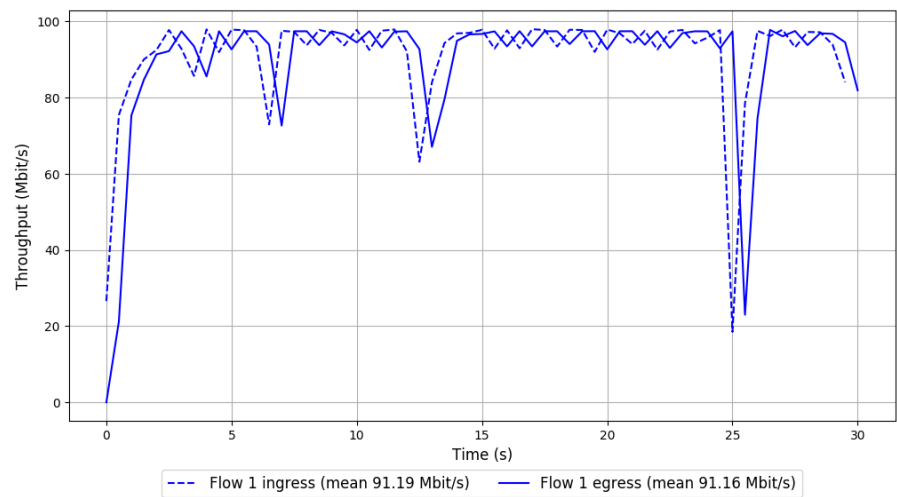


Run 6: Statistics of QUIC Cubic

Start at: 2018-06-19 03:35:12
End at: 2018-06-19 03:35:42
Local clock offset: 1.271 ms
Remote clock offset: -10.384 ms

Below is generated by plot.py at 2018-06-19 05:08:04
Datalink statistics
-- Total of 1 flow:
Average throughput: 91.16 Mbit/s
95th percentile per-packet one-way delay: 24.929 ms
Loss rate: 0.12%
-- Flow 1:
Average throughput: 91.16 Mbit/s
95th percentile per-packet one-way delay: 24.929 ms
Loss rate: 0.12%

Run 6: Report of QUIC Cubic — Data Link

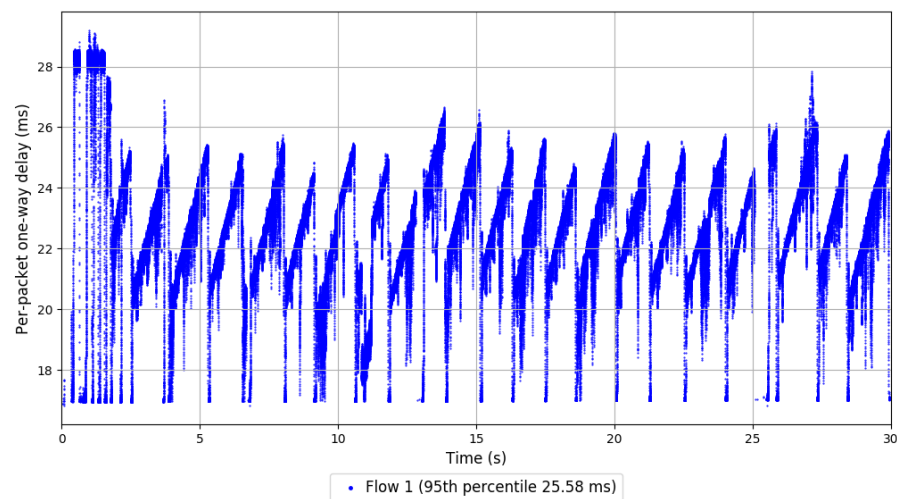
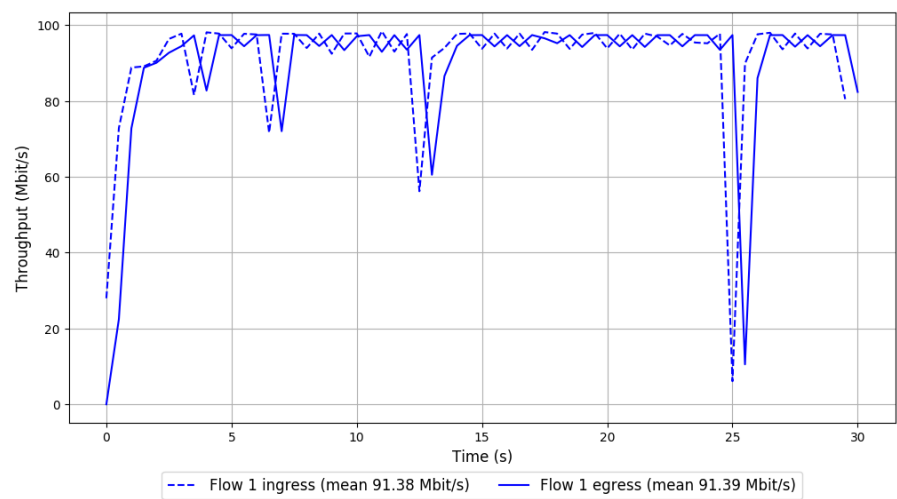


Run 7: Statistics of QUIC Cubic

Start at: 2018-06-19 03:54:10
End at: 2018-06-19 03:54:40
Local clock offset: 2.583 ms
Remote clock offset: -4.974 ms

Below is generated by plot.py at 2018-06-19 05:08:58
Datalink statistics
-- Total of 1 flow:
Average throughput: 91.39 Mbit/s
95th percentile per-packet one-way delay: 25.580 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 91.39 Mbit/s
95th percentile per-packet one-way delay: 25.580 ms
Loss rate: 0.06%

Run 7: Report of QUIC Cubic — Data Link



Run 8: Statistics of QUIC Cubic

Start at: 2018-06-19 04:12:59

End at: 2018-06-19 04:13:29

Local clock offset: 0.749 ms

Remote clock offset: -0.874 ms

Below is generated by plot.py at 2018-06-19 05:08:58

Datalink statistics

-- Total of 1 flow:

Average throughput: 86.80 Mbit/s

95th percentile per-packet one-way delay: 21.648 ms

Loss rate: 0.12%

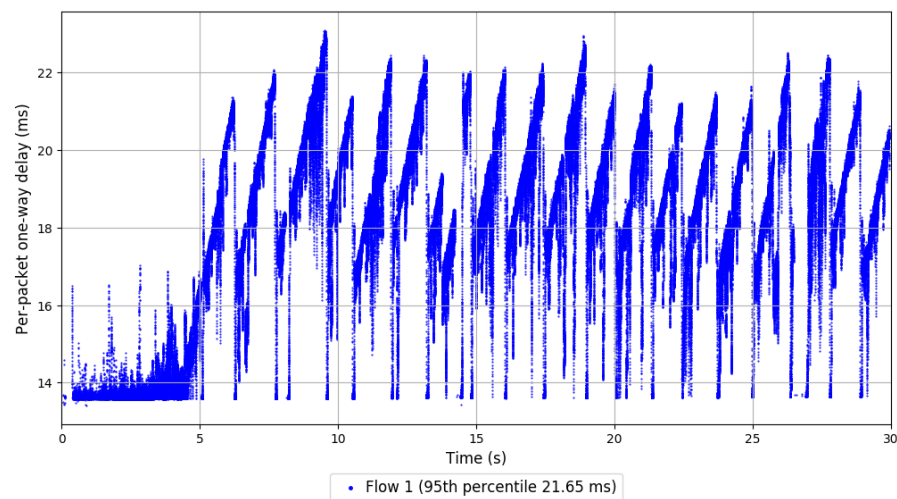
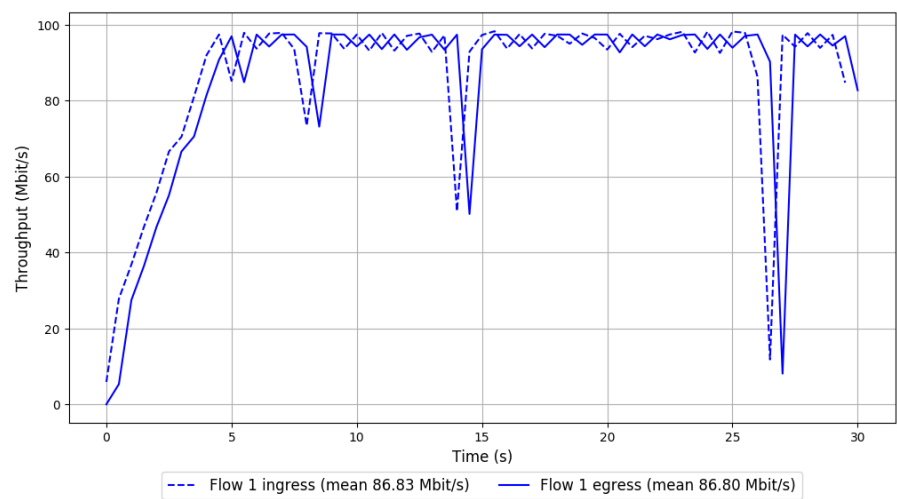
-- Flow 1:

Average throughput: 86.80 Mbit/s

95th percentile per-packet one-way delay: 21.648 ms

Loss rate: 0.12%

Run 8: Report of QUIC Cubic — Data Link



Run 9: Statistics of QUIC Cubic

Start at: 2018-06-19 04:31:53

End at: 2018-06-19 04:32:23

Local clock offset: 0.757 ms

Remote clock offset: 1.023 ms

Below is generated by plot.py at 2018-06-19 05:09:01

Datalink statistics

-- Total of 1 flow:

Average throughput: 90.80 Mbit/s

95th percentile per-packet one-way delay: 22.512 ms

Loss rate: 0.12%

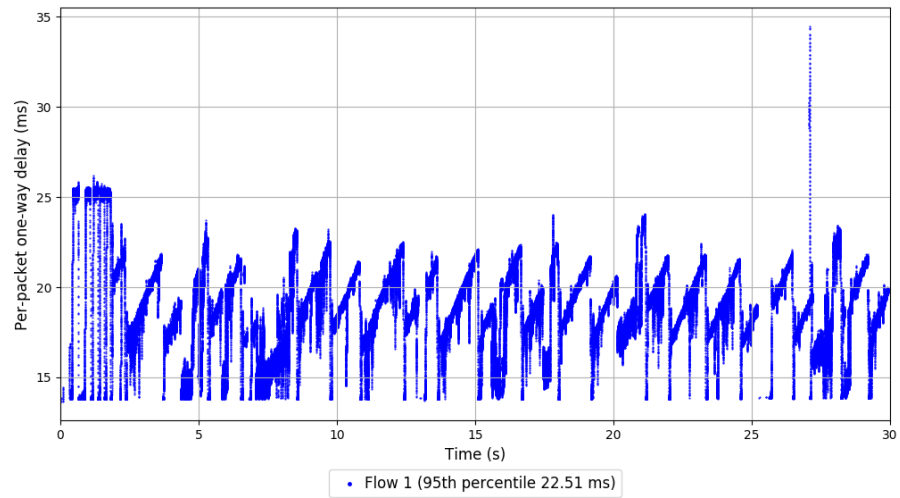
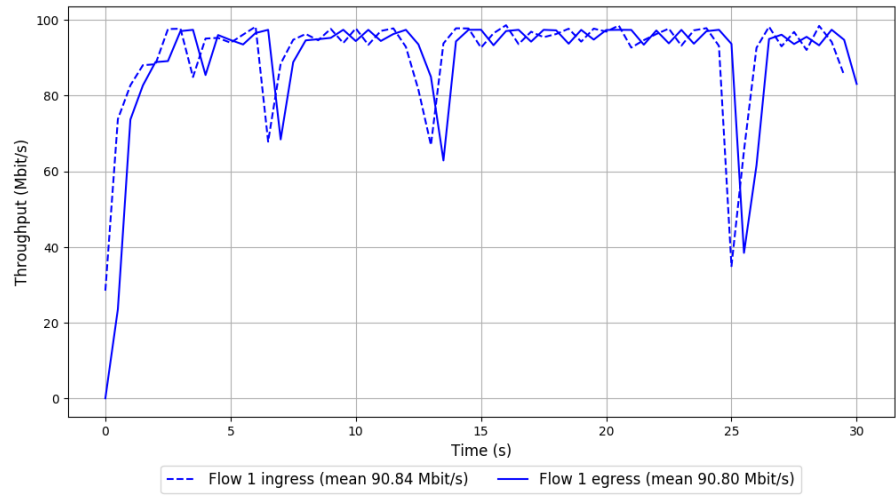
-- Flow 1:

Average throughput: 90.80 Mbit/s

95th percentile per-packet one-way delay: 22.512 ms

Loss rate: 0.12%

Run 9: Report of QUIC Cubic — Data Link



Run 10: Statistics of QUIC Cubic

Start at: 2018-06-19 04:50:56

End at: 2018-06-19 04:51:26

Local clock offset: 0.86 ms

Remote clock offset: -4.183 ms

Below is generated by plot.py at 2018-06-19 05:09:02

Datalink statistics

-- Total of 1 flow:

Average throughput: 91.04 Mbit/s

95th percentile per-packet one-way delay: 24.792 ms

Loss rate: 0.11%

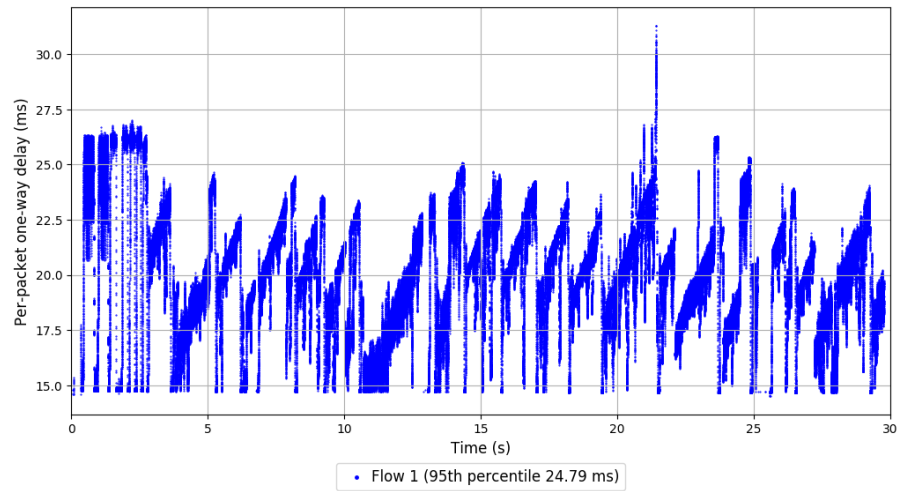
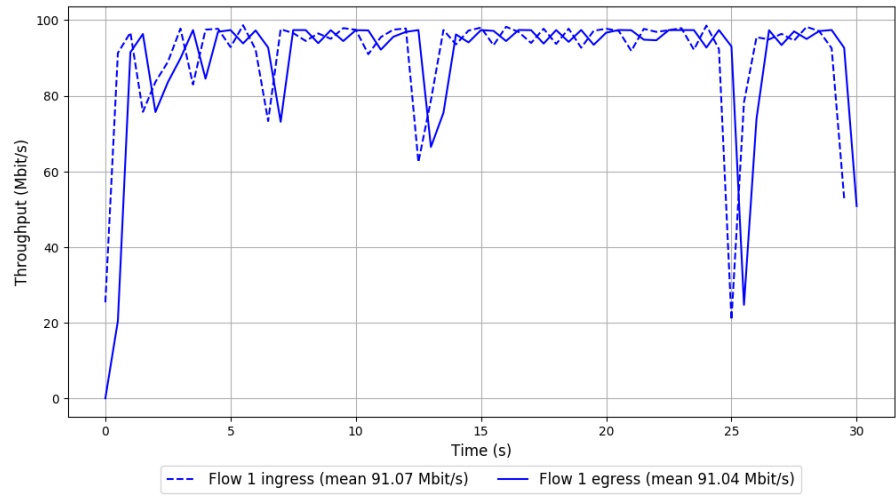
-- Flow 1:

Average throughput: 91.04 Mbit/s

95th percentile per-packet one-way delay: 24.792 ms

Loss rate: 0.11%

Run 10: Report of QUIC Cubic — Data Link

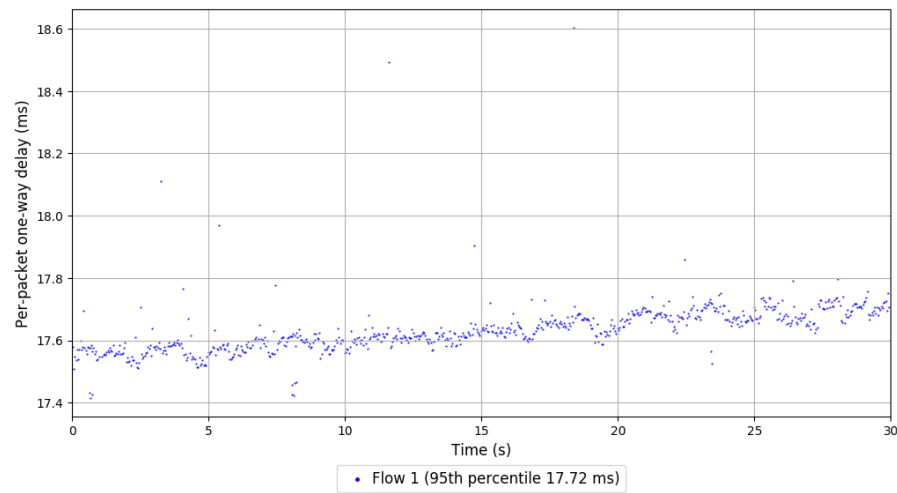
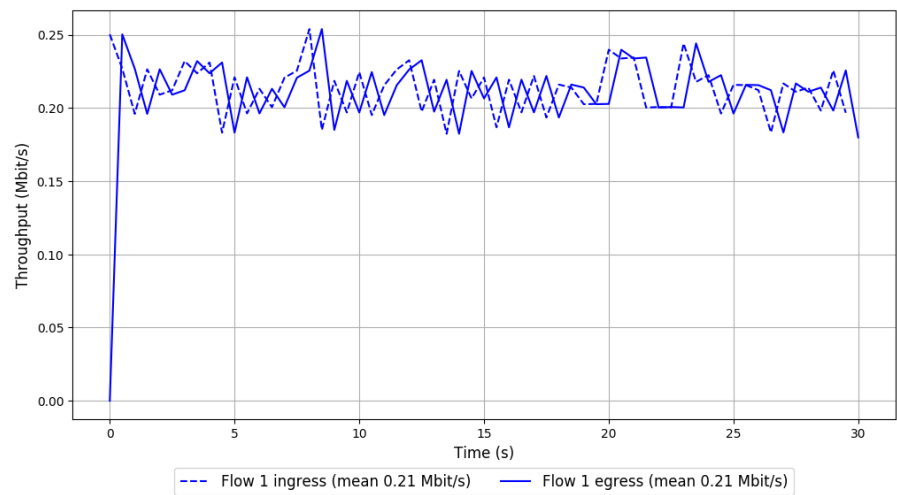


Run 1: Statistics of SCReAM

Start at: 2018-06-19 01:58:08
End at: 2018-06-19 01:58:38
Local clock offset: 4.09 ms
Remote clock offset: -0.333 ms

Below is generated by plot.py at 2018-06-19 05:09:02
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 17.724 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 17.724 ms
Loss rate: 0.13%

Run 1: Report of SReAM — Data Link



Run 2: Statistics of SCReAM

Start at: 2018-06-19 02:17:04

End at: 2018-06-19 02:17:34

Local clock offset: 1.477 ms

Remote clock offset: 5.018 ms

Below is generated by plot.py at 2018-06-19 05:09:02

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 15.510 ms

Loss rate: 0.13%

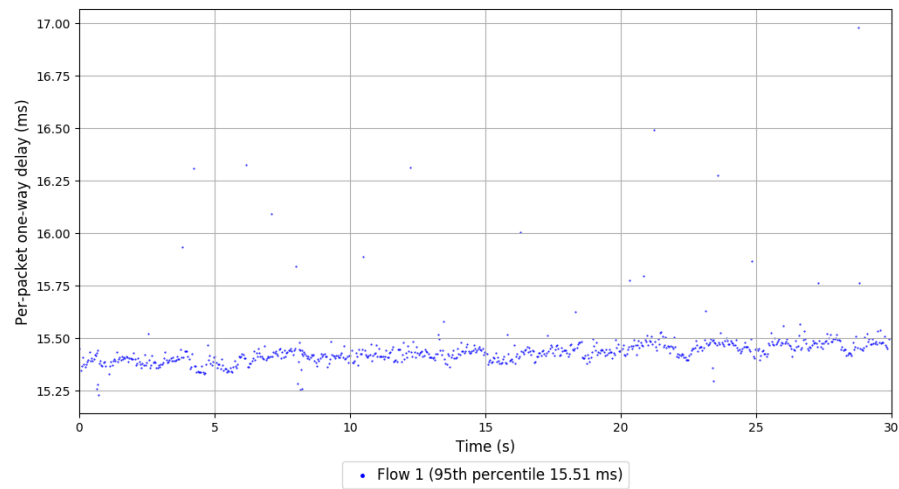
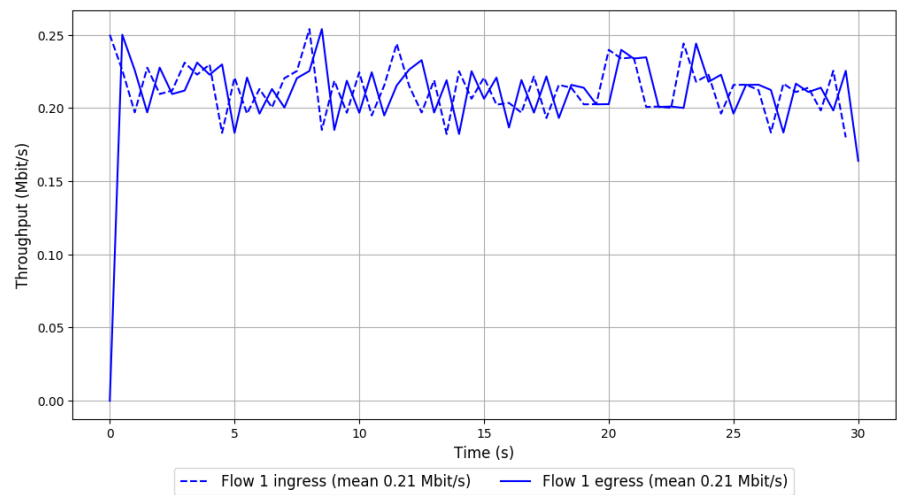
-- Flow 1:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 15.510 ms

Loss rate: 0.13%

Run 2: Report of SReAM — Data Link

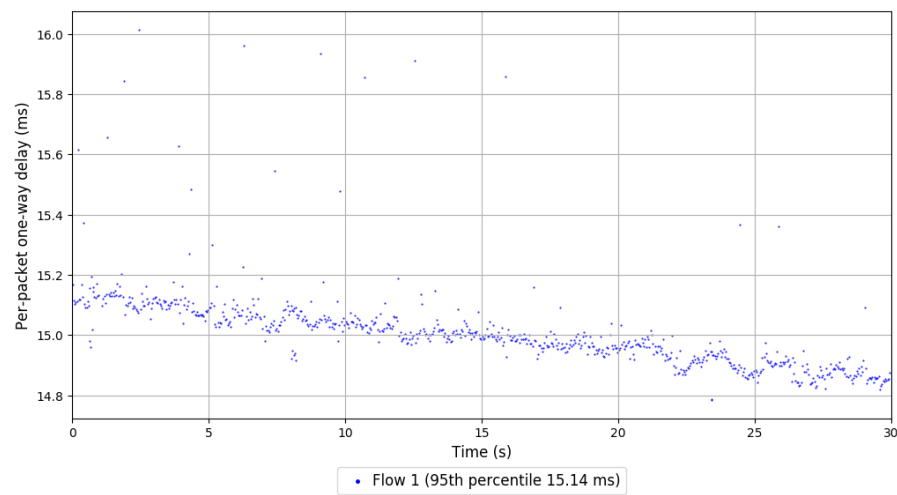
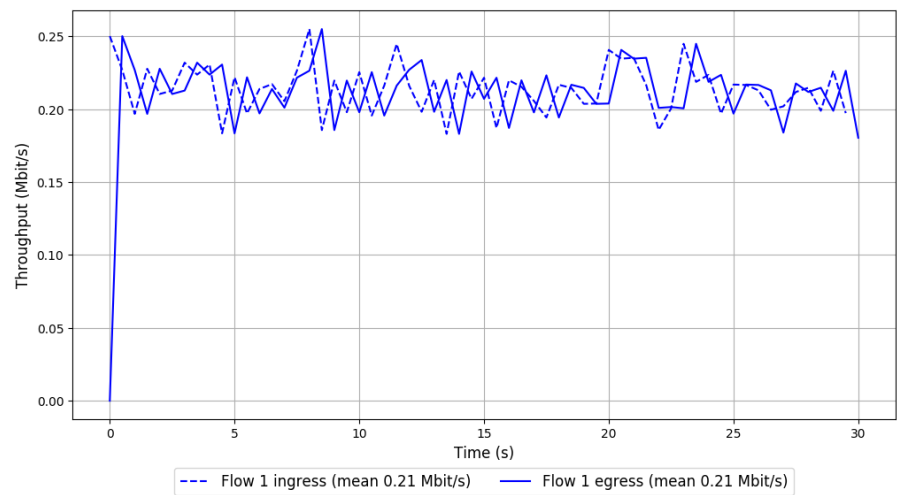


Run 3: Statistics of SCReAM

Start at: 2018-06-19 02:36:29
End at: 2018-06-19 02:36:59
Local clock offset: 0.877 ms
Remote clock offset: -6.279 ms

Below is generated by plot.py at 2018-06-19 05:09:02
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 15.145 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 15.145 ms
Loss rate: 0.13%

Run 3: Report of SReAM — Data Link

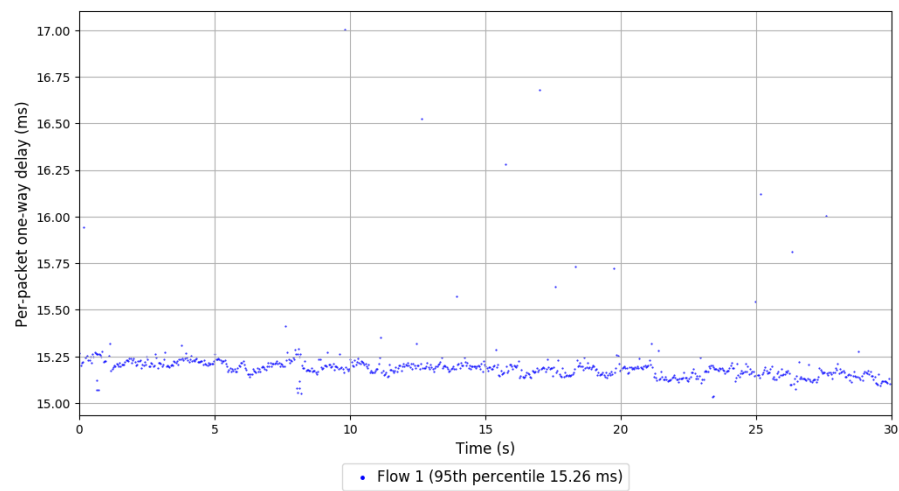
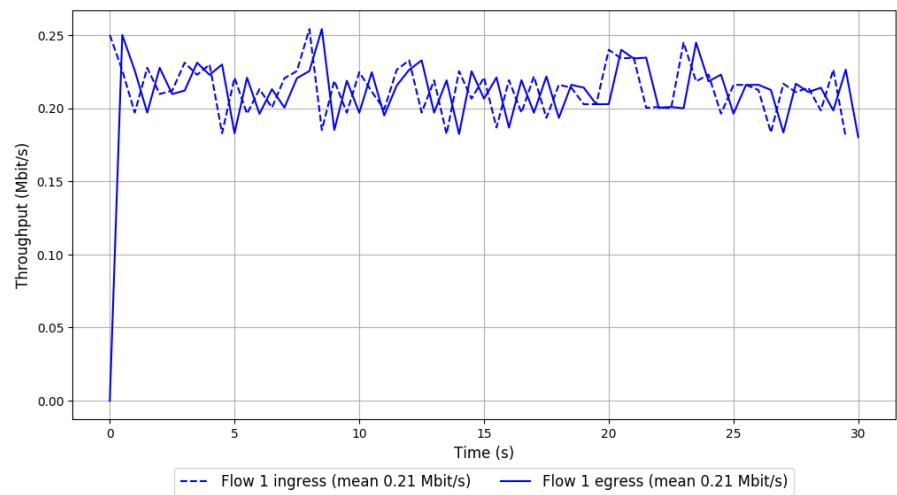


Run 4: Statistics of SCReAM

Start at: 2018-06-19 02:55:53
End at: 2018-06-19 02:56:23
Local clock offset: 1.195 ms
Remote clock offset: -11.593 ms

Below is generated by plot.py at 2018-06-19 05:09:02
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 15.262 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 15.262 ms
Loss rate: 0.00%

Run 4: Report of SReAM — Data Link

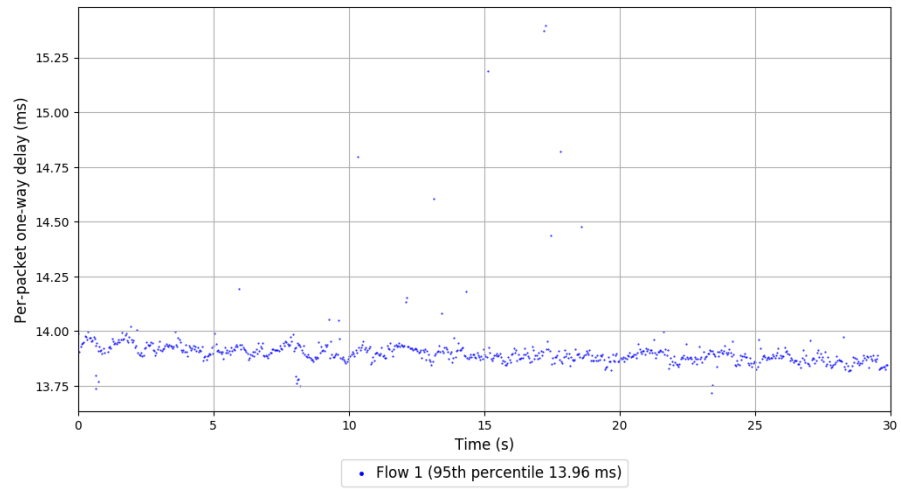
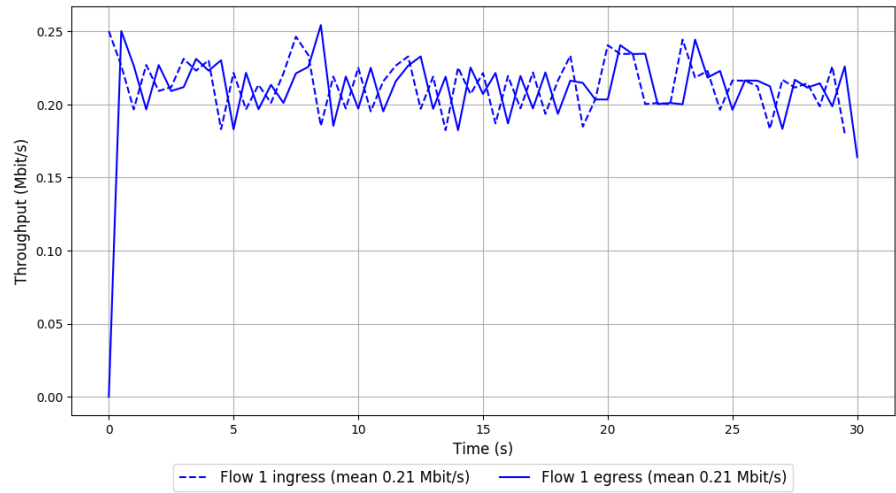


Run 5: Statistics of SCReAM

Start at: 2018-06-19 03:15:07
End at: 2018-06-19 03:15:37
Local clock offset: 0.821 ms
Remote clock offset: -13.483 ms

Below is generated by plot.py at 2018-06-19 05:09:02
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 13.965 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 13.965 ms
Loss rate: 0.13%

Run 5: Report of SReAM — Data Link

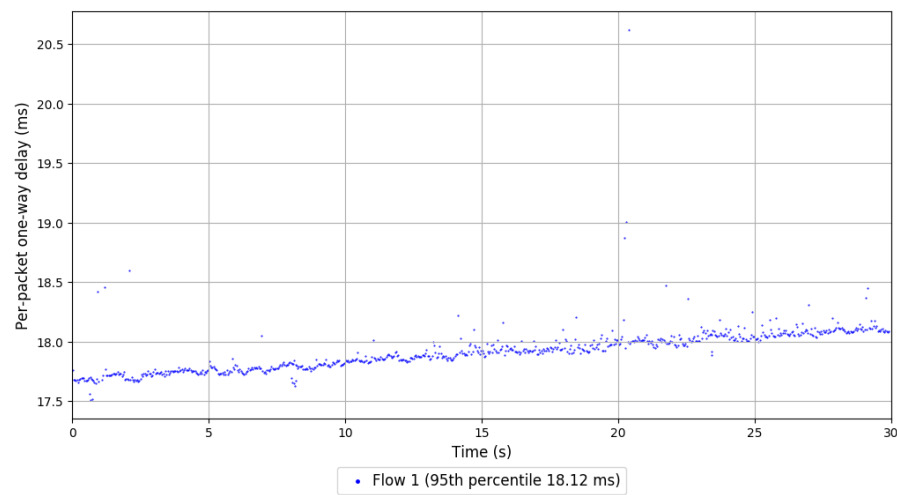
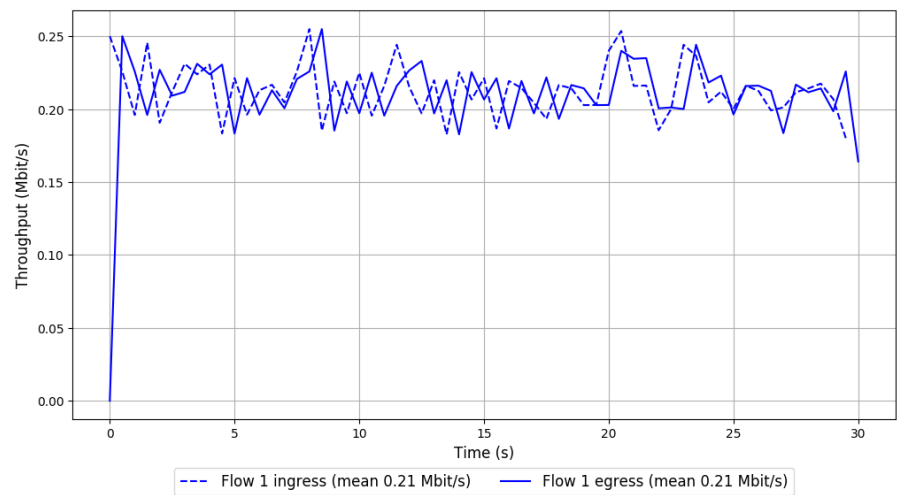


Run 6: Statistics of SCReAM

Start at: 2018-06-19 03:34:07
End at: 2018-06-19 03:34:37
Local clock offset: -2.562 ms
Remote clock offset: -18.585 ms

Below is generated by plot.py at 2018-06-19 05:09:02
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 18.117 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 18.117 ms
Loss rate: 0.13%

Run 6: Report of SReAM — Data Link

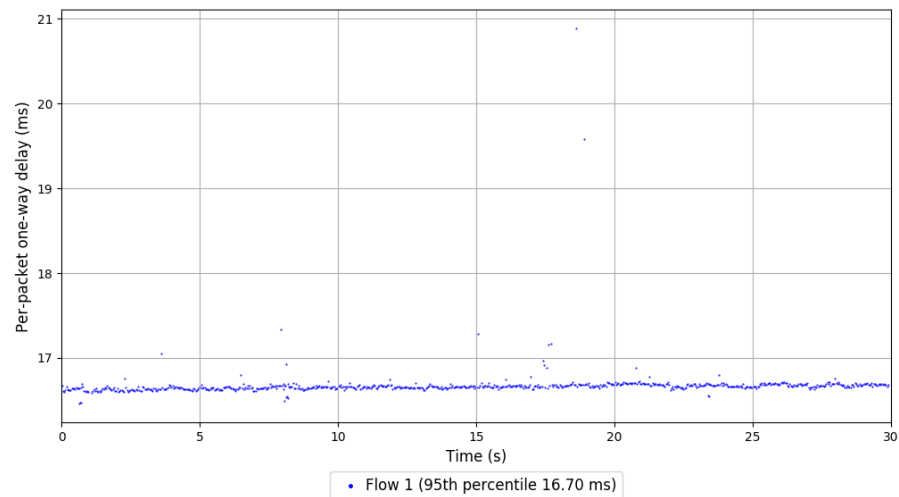
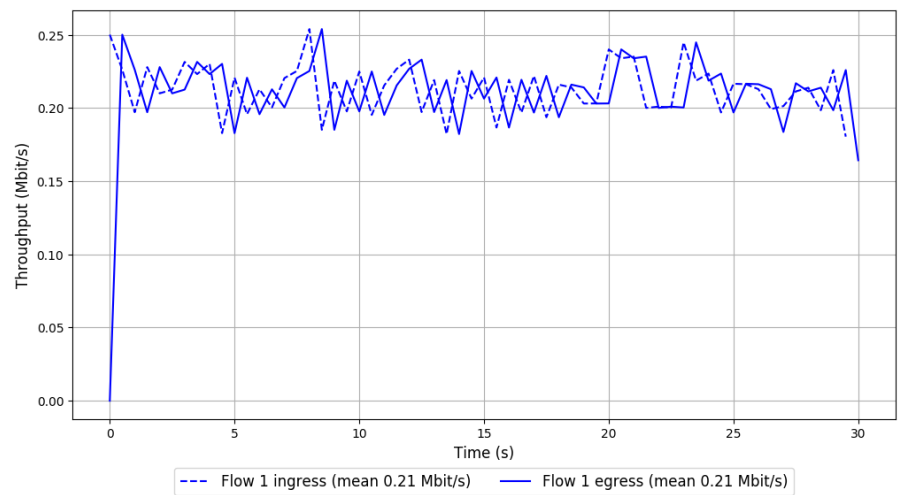


Run 7: Statistics of SCReAM

Start at: 2018-06-19 03:53:06
End at: 2018-06-19 03:53:36
Local clock offset: 2.743 ms
Remote clock offset: -4.612 ms

Below is generated by plot.py at 2018-06-19 05:09:02
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 16.703 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 16.703 ms
Loss rate: 0.13%

Run 7: Report of SReAM — Data Link

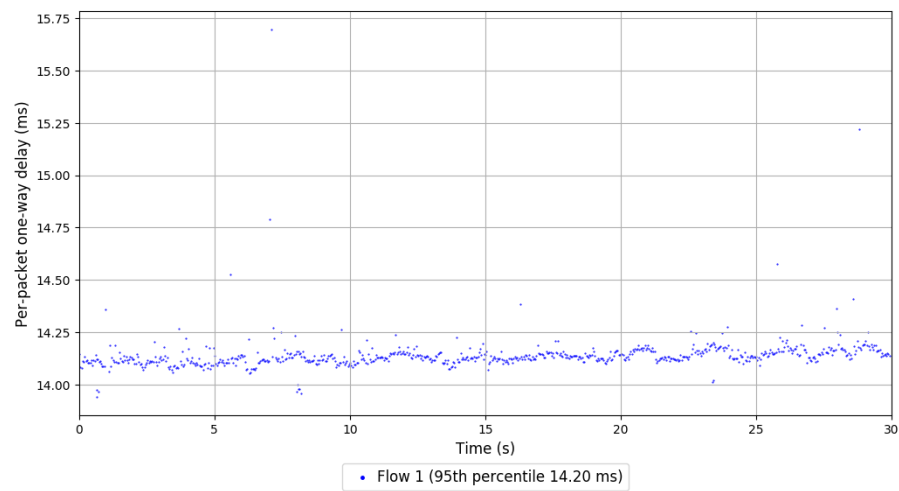
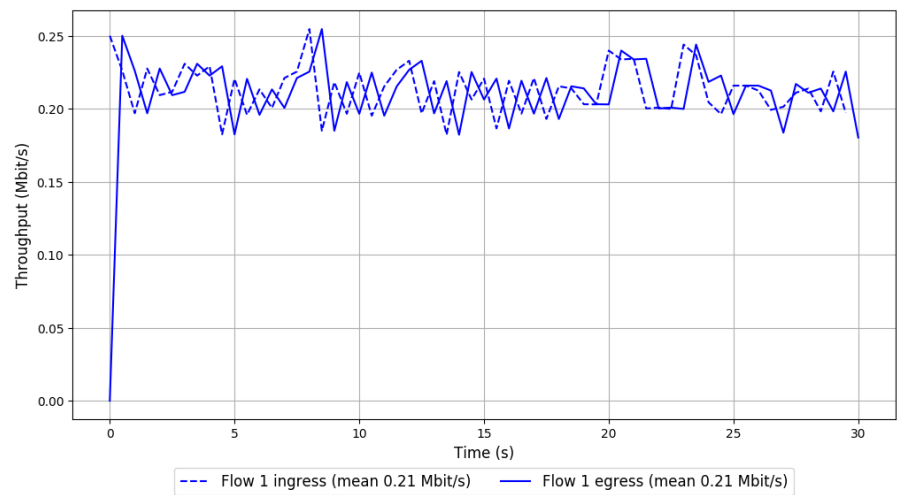


Run 8: Statistics of SCReAM

Start at: 2018-06-19 04:11:54
End at: 2018-06-19 04:12:25
Local clock offset: 0.928 ms
Remote clock offset: -1.343 ms

Below is generated by plot.py at 2018-06-19 05:09:02
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 14.199 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 14.199 ms
Loss rate: 0.13%

Run 8: Report of SReAM — Data Link



Run 9: Statistics of SCReAM

Start at: 2018-06-19 04:30:49

End at: 2018-06-19 04:31:19

Local clock offset: 0.82 ms

Remote clock offset: 1.68 ms

Below is generated by plot.py at 2018-06-19 05:09:02

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 13.197 ms

Loss rate: 0.13%

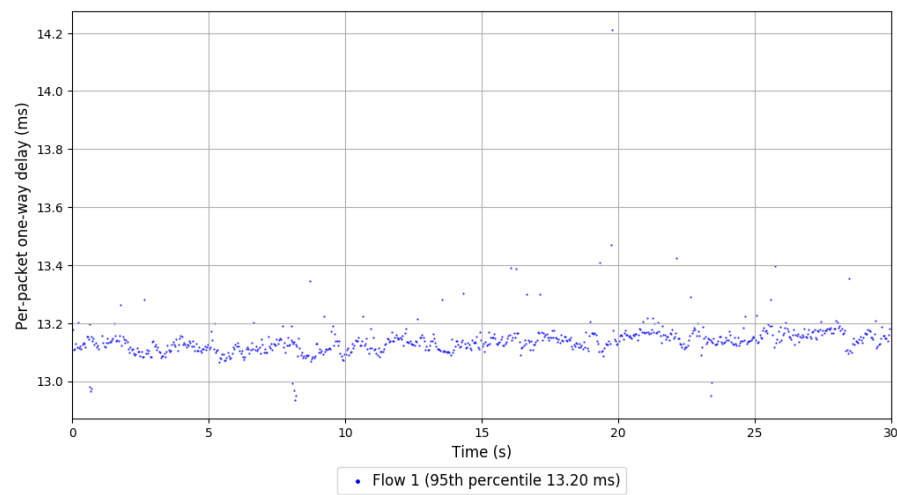
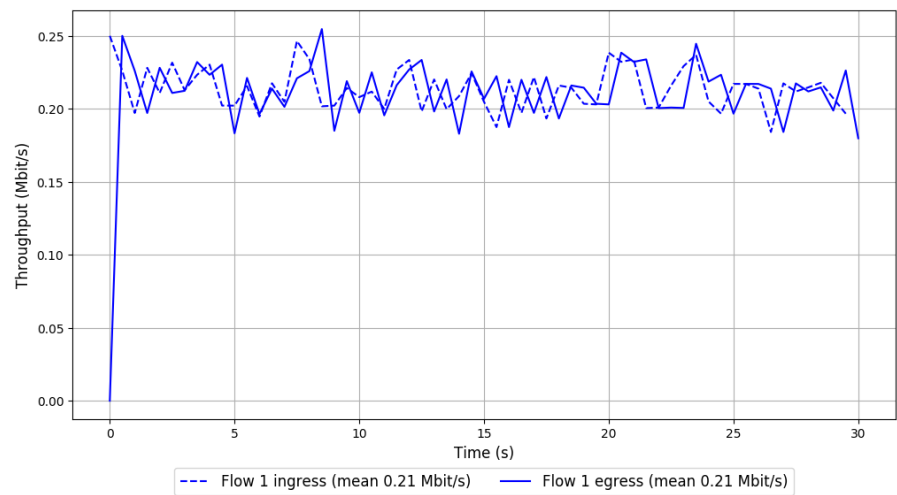
-- Flow 1:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 13.197 ms

Loss rate: 0.13%

Run 9: Report of SReAM — Data Link



Run 10: Statistics of SCReAM

Start at: 2018-06-19 04:49:52

End at: 2018-06-19 04:50:22

Local clock offset: 2.387 ms

Remote clock offset: -3.307 ms

Below is generated by plot.py at 2018-06-19 05:09:02

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 15.652 ms

Loss rate: 0.25%

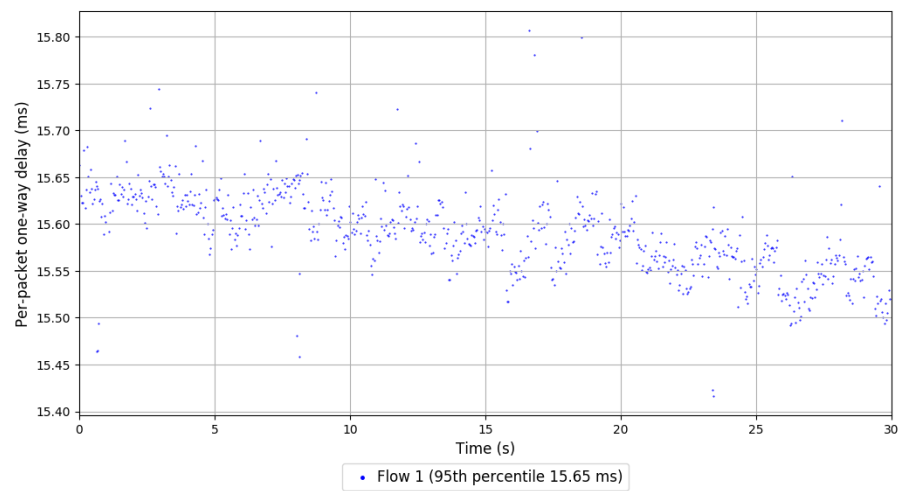
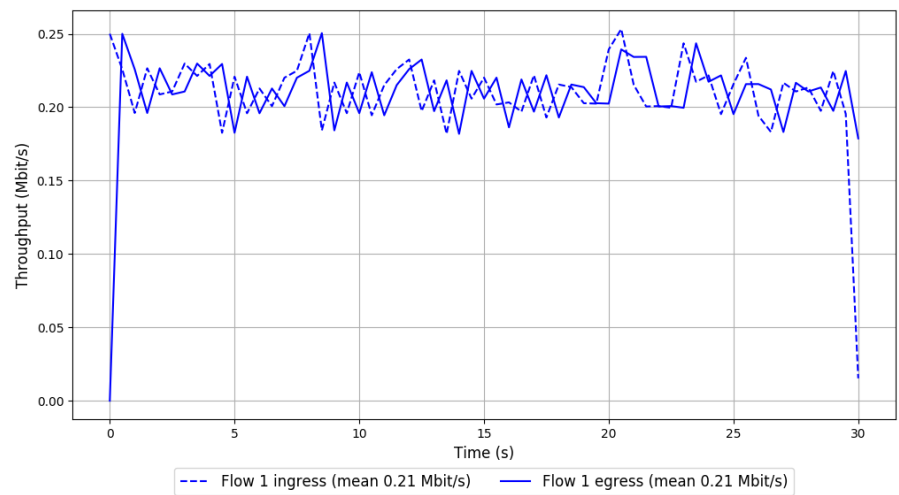
-- Flow 1:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 15.652 ms

Loss rate: 0.25%

Run 10: Report of SReAM — Data Link



Run 1: Statistics of Sprout

Start at: 2018-06-19 01:57:02

End at: 2018-06-19 01:57:32

Local clock offset: 3.482 ms

Remote clock offset: 0.219 ms

Below is generated by plot.py at 2018-06-19 05:09:02

Datalink statistics

-- Total of 1 flow:

Average throughput: 20.86 Mbit/s

95th percentile per-packet one-way delay: 23.665 ms

Loss rate: 0.00%

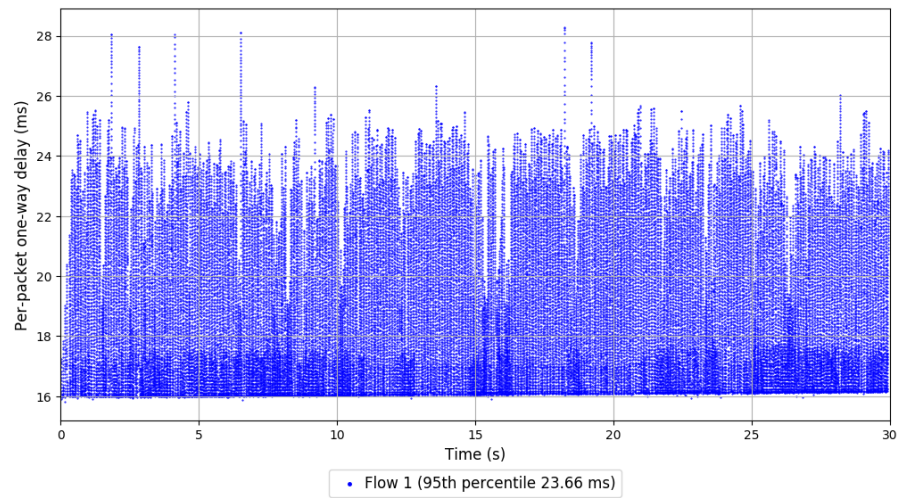
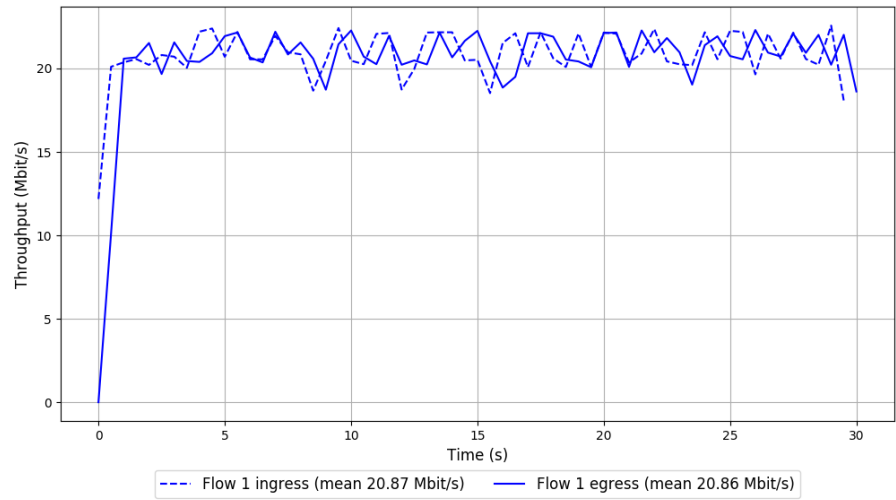
-- Flow 1:

Average throughput: 20.86 Mbit/s

95th percentile per-packet one-way delay: 23.665 ms

Loss rate: 0.00%

Run 1: Report of Sprout — Data Link



Run 2: Statistics of Sprout

Start at: 2018-06-19 02:15:57

End at: 2018-06-19 02:16:27

Local clock offset: 0.504 ms

Remote clock offset: 3.533 ms

Below is generated by plot.py at 2018-06-19 05:09:02

Datalink statistics

-- Total of 1 flow:

Average throughput: 21.05 Mbit/s

95th percentile per-packet one-way delay: 23.420 ms

Loss rate: 0.16%

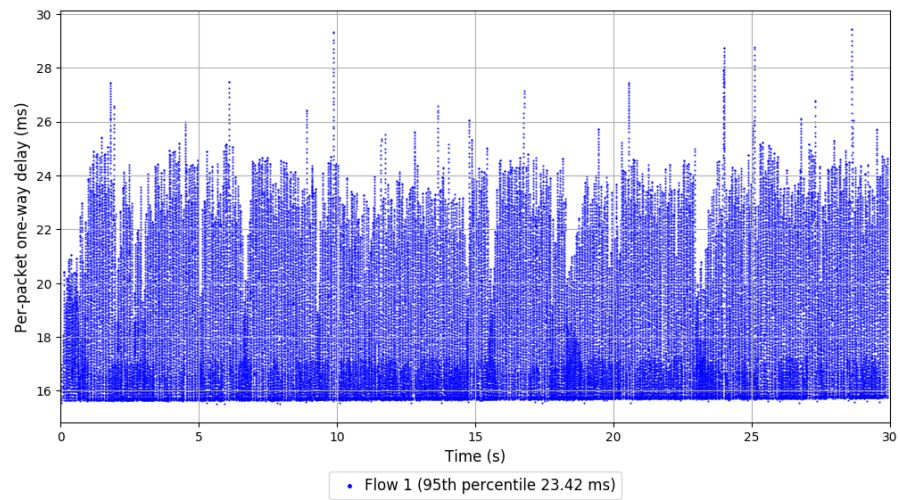
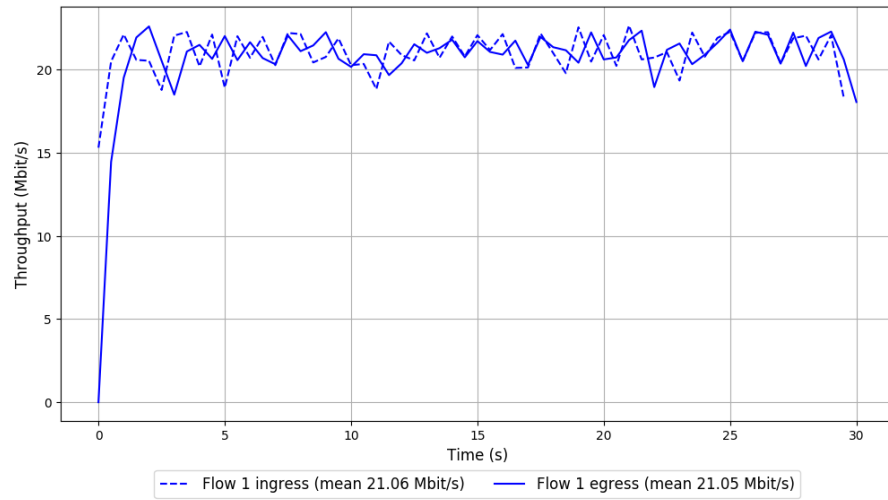
-- Flow 1:

Average throughput: 21.05 Mbit/s

95th percentile per-packet one-way delay: 23.420 ms

Loss rate: 0.16%

Run 2: Report of Sprout — Data Link

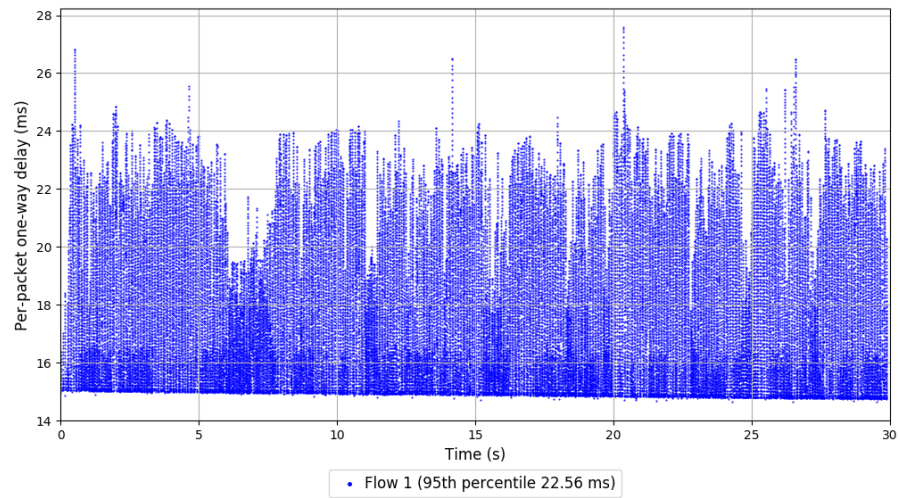
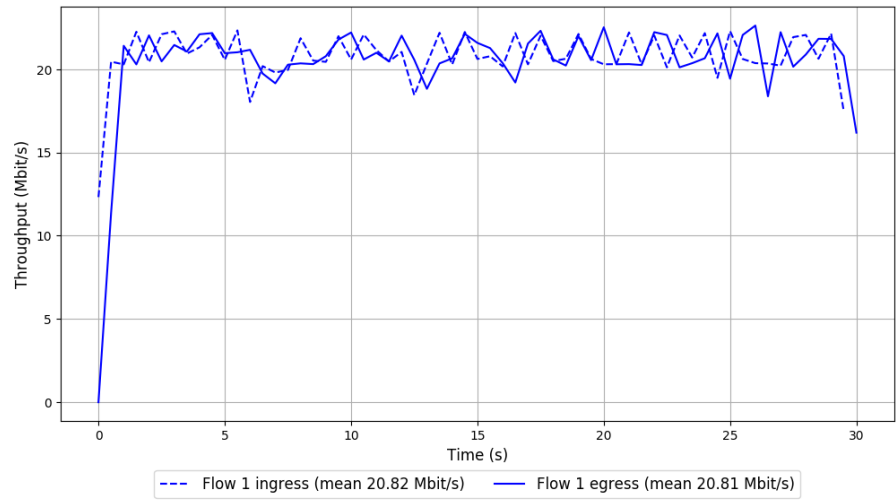


Run 3: Statistics of Sprout

Start at: 2018-06-19 02:35:18
End at: 2018-06-19 02:35:48
Local clock offset: 0.53 ms
Remote clock offset: -5.905 ms

Below is generated by plot.py at 2018-06-19 05:09:02
Datalink statistics
-- Total of 1 flow:
Average throughput: 20.81 Mbit/s
95th percentile per-packet one-way delay: 22.562 ms
Loss rate: 0.23%
-- Flow 1:
Average throughput: 20.81 Mbit/s
95th percentile per-packet one-way delay: 22.562 ms
Loss rate: 0.23%

Run 3: Report of Sprout — Data Link

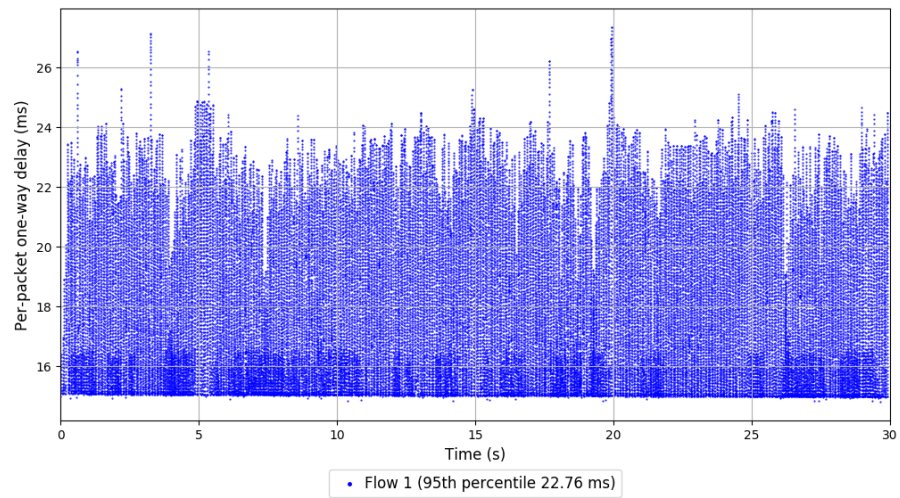
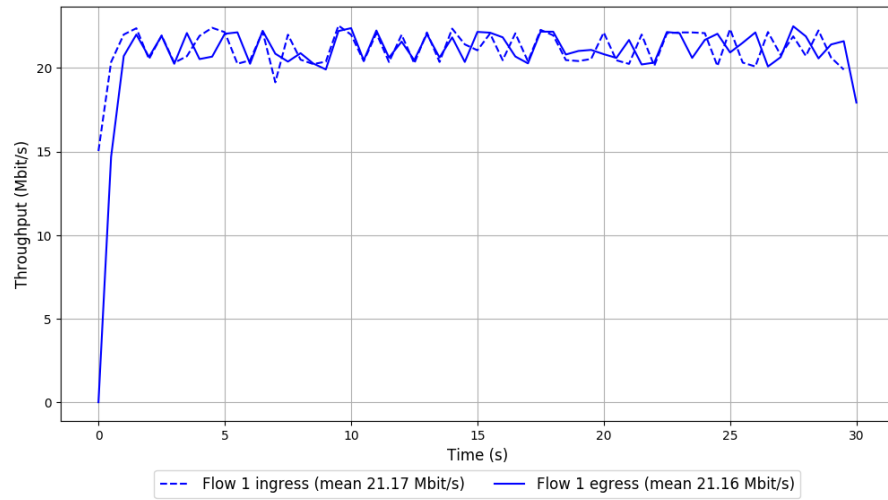


Run 4: Statistics of Sprout

Start at: 2018-06-19 02:54:47
End at: 2018-06-19 02:55:17
Local clock offset: 1.761 ms
Remote clock offset: -10.661 ms

Below is generated by plot.py at 2018-06-19 05:09:02
Datalink statistics
-- Total of 1 flow:
Average throughput: 21.16 Mbit/s
95th percentile per-packet one-way delay: 22.763 ms
Loss rate: 0.16%
-- Flow 1:
Average throughput: 21.16 Mbit/s
95th percentile per-packet one-way delay: 22.763 ms
Loss rate: 0.16%

Run 4: Report of Sprout — Data Link

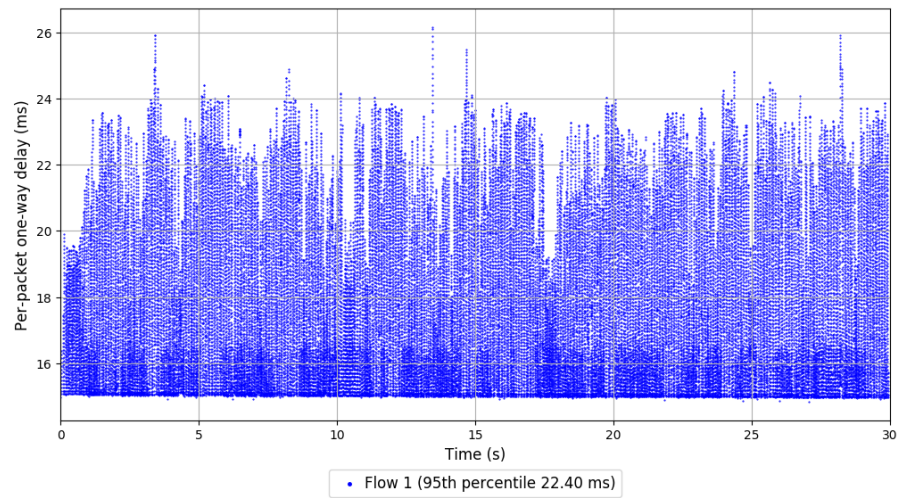
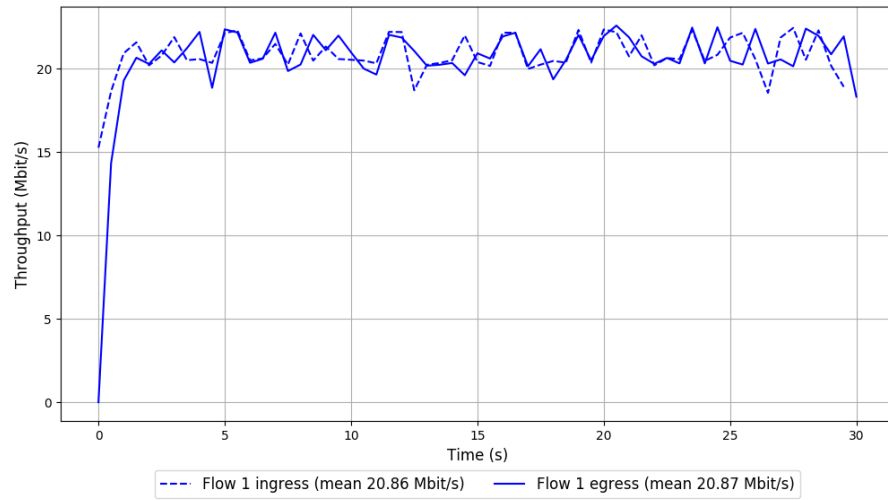


Run 5: Statistics of Sprout

Start at: 2018-06-19 03:13:56
End at: 2018-06-19 03:14:26
Local clock offset: 1.824 ms
Remote clock offset: -13.441 ms

Below is generated by plot.py at 2018-06-19 05:09:02
Datalink statistics
-- Total of 1 flow:
Average throughput: 20.87 Mbit/s
95th percentile per-packet one-way delay: 22.403 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 20.87 Mbit/s
95th percentile per-packet one-way delay: 22.403 ms
Loss rate: 0.05%

Run 5: Report of Sprout — Data Link

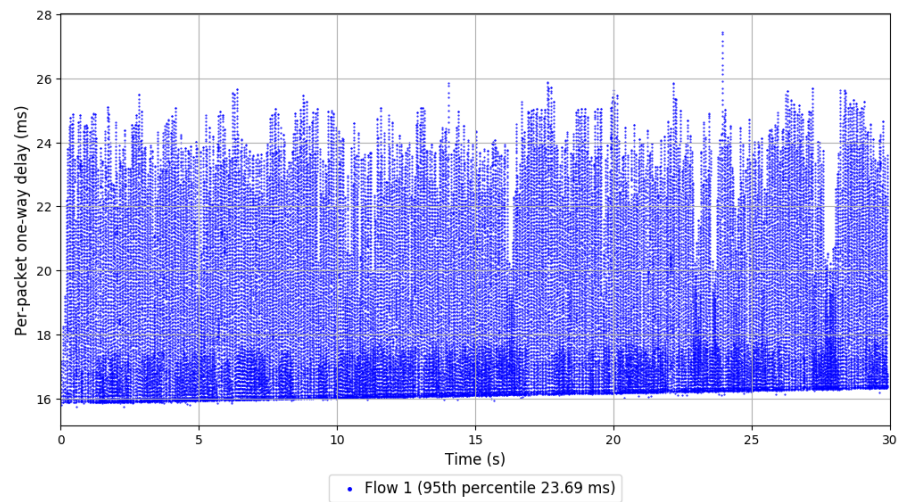
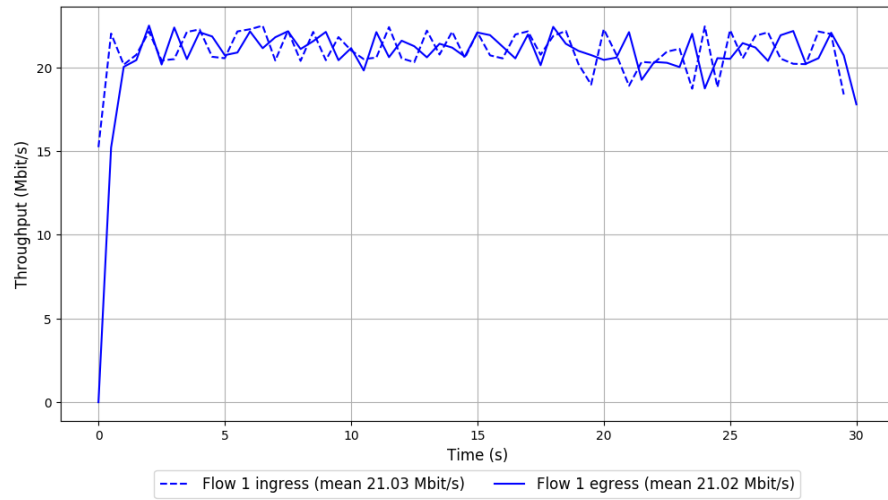


Run 6: Statistics of Sprout

Start at: 2018-06-19 03:32:56
End at: 2018-06-19 03:33:26
Local clock offset: 2.645 ms
Remote clock offset: -12.677 ms

Below is generated by plot.py at 2018-06-19 05:09:02
Datalink statistics
-- Total of 1 flow:
Average throughput: 21.02 Mbit/s
95th percentile per-packet one-way delay: 23.687 ms
Loss rate: 0.15%
-- Flow 1:
Average throughput: 21.02 Mbit/s
95th percentile per-packet one-way delay: 23.687 ms
Loss rate: 0.15%

Run 6: Report of Sprout — Data Link

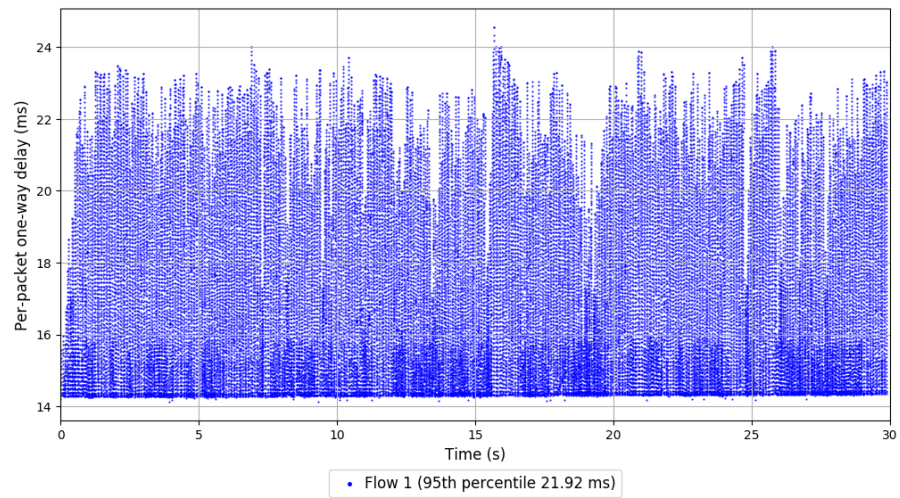
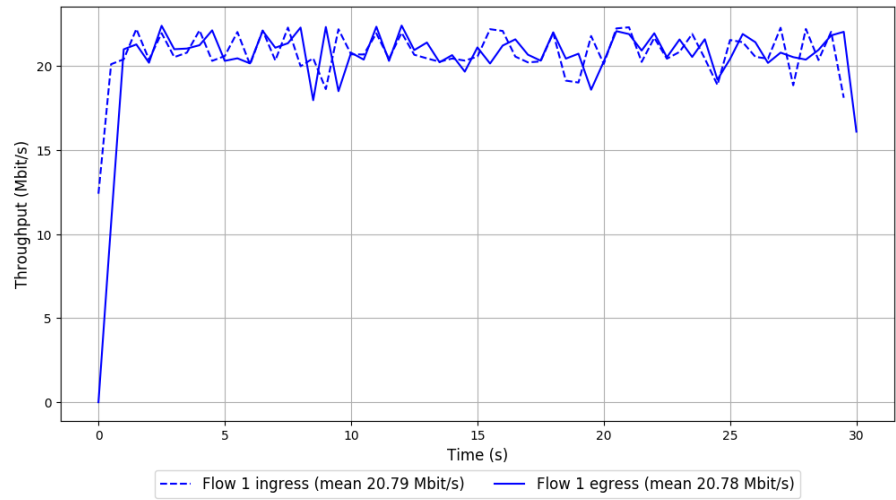


Run 7: Statistics of Sprout

Start at: 2018-06-19 03:52:01
End at: 2018-06-19 03:52:31
Local clock offset: 0.71 ms
Remote clock offset: -4.485 ms

Below is generated by plot.py at 2018-06-19 05:09:02
Datalink statistics
-- Total of 1 flow:
Average throughput: 20.78 Mbit/s
95th percentile per-packet one-way delay: 21.918 ms
Loss rate: 0.16%
-- Flow 1:
Average throughput: 20.78 Mbit/s
95th percentile per-packet one-way delay: 21.918 ms
Loss rate: 0.16%

Run 7: Report of Sprout — Data Link

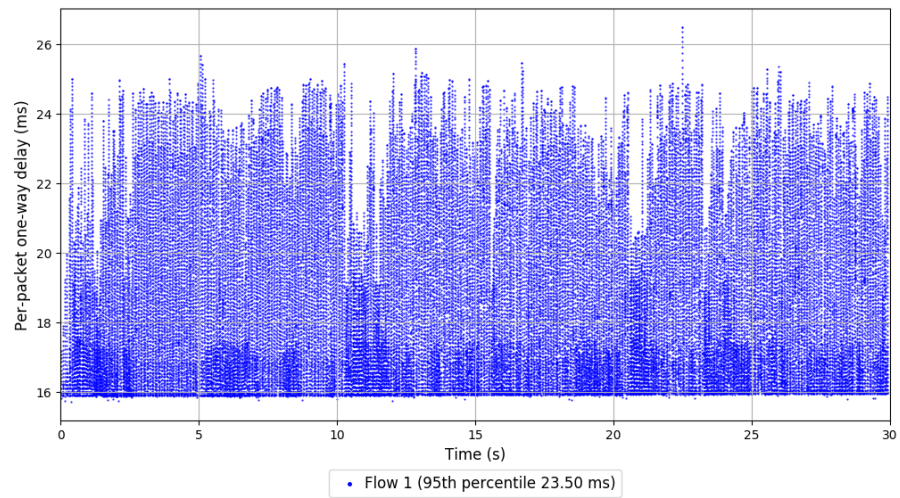
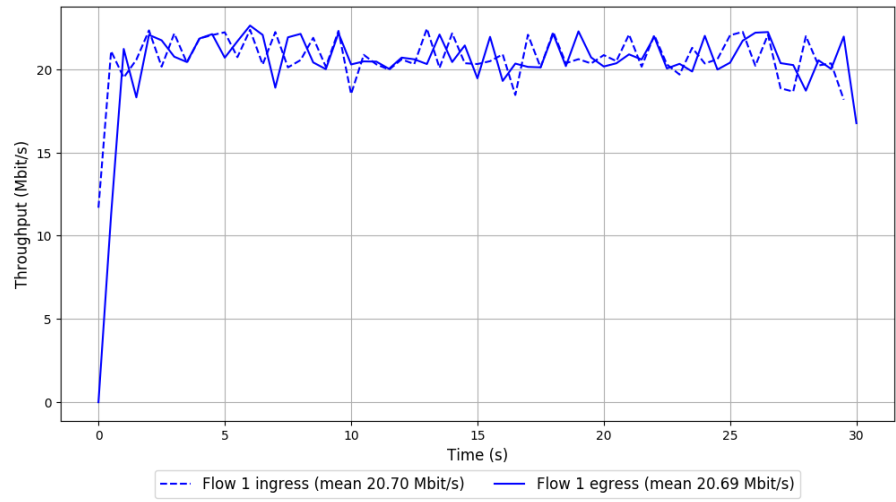


Run 8: Statistics of Sprout

Start at: 2018-06-19 04:10:49
End at: 2018-06-19 04:11:19
Local clock offset: 2.83 ms
Remote clock offset: -1.406 ms

Below is generated by plot.py at 2018-06-19 05:09:02
Datalink statistics
-- Total of 1 flow:
Average throughput: 20.69 Mbit/s
95th percentile per-packet one-way delay: 23.496 ms
Loss rate: 0.14%
-- Flow 1:
Average throughput: 20.69 Mbit/s
95th percentile per-packet one-way delay: 23.496 ms
Loss rate: 0.14%

Run 8: Report of Sprout — Data Link



Run 9: Statistics of Sprout

Start at: 2018-06-19 04:29:42

End at: 2018-06-19 04:30:12

Local clock offset: 3.673 ms

Remote clock offset: 0.625 ms

Below is generated by plot.py at 2018-06-19 05:09:02

Datalink statistics

-- Total of 1 flow:

Average throughput: 20.76 Mbit/s

95th percentile per-packet one-way delay: 24.225 ms

Loss rate: 0.00%

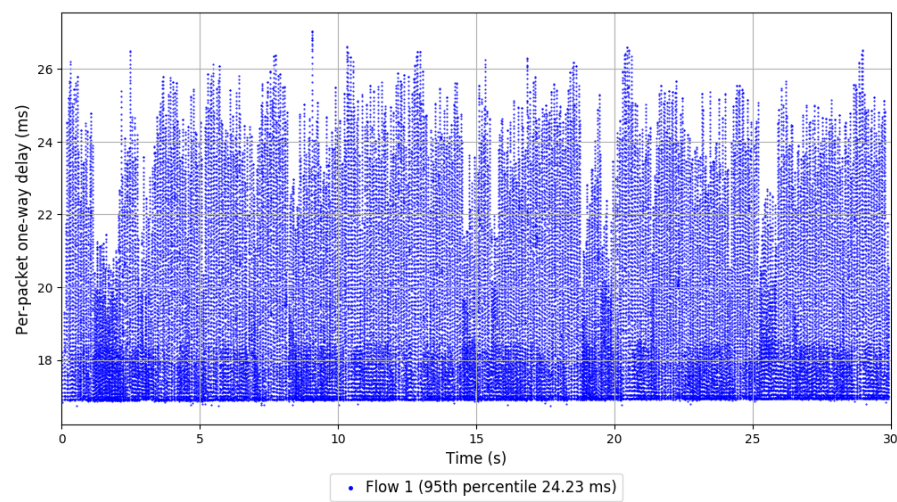
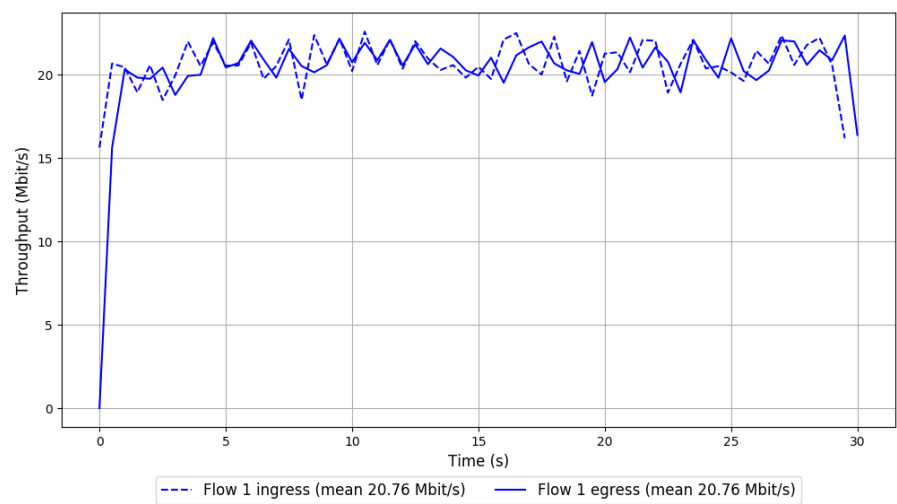
-- Flow 1:

Average throughput: 20.76 Mbit/s

95th percentile per-packet one-way delay: 24.225 ms

Loss rate: 0.00%

Run 9: Report of Sprout — Data Link

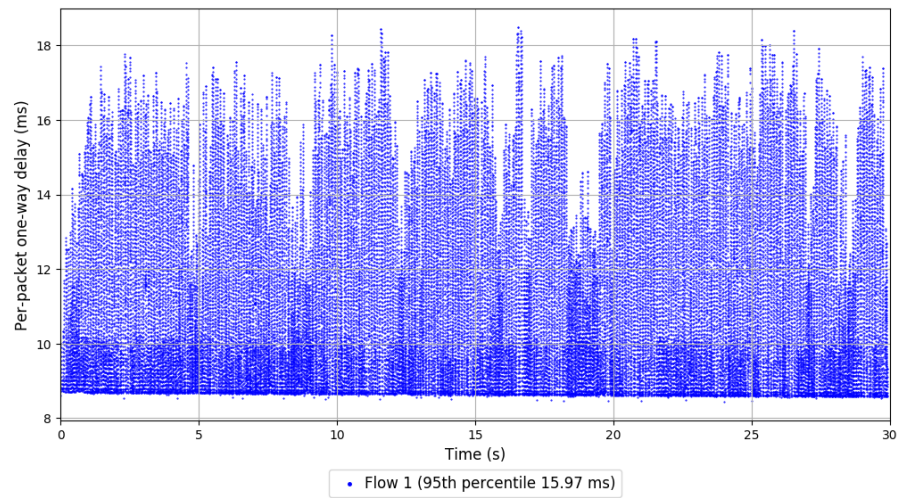
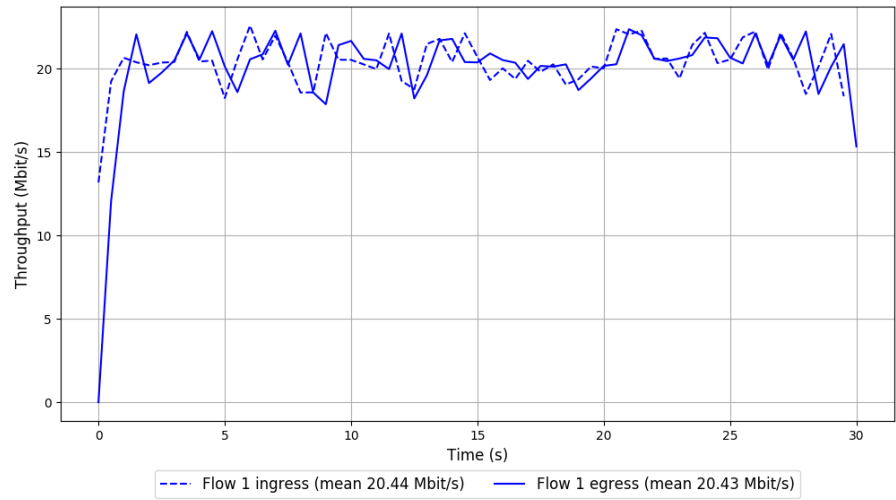


Run 10: Statistics of Sprout

Start at: 2018-06-19 04:48:46
End at: 2018-06-19 04:49:16
Local clock offset: -5.341 ms
Remote clock offset: -3.854 ms

Below is generated by plot.py at 2018-06-19 05:09:02
Datalink statistics
-- Total of 1 flow:
Average throughput: 20.43 Mbit/s
95th percentile per-packet one-way delay: 15.972 ms
Loss rate: 0.30%
-- Flow 1:
Average throughput: 20.43 Mbit/s
95th percentile per-packet one-way delay: 15.972 ms
Loss rate: 0.30%

Run 10: Report of Sprout — Data Link



Run 1: Statistics of TaoVA-100x

Start at: 2018-06-19 01:49:54

End at: 2018-06-19 01:50:24

Local clock offset: 3.272 ms

Remote clock offset: -3.911 ms

Below is generated by plot.py at 2018-06-19 05:10:35

Datalink statistics

-- Total of 1 flow:

Average throughput: 88.98 Mbit/s

95th percentile per-packet one-way delay: 19.338 ms

Loss rate: 0.08%

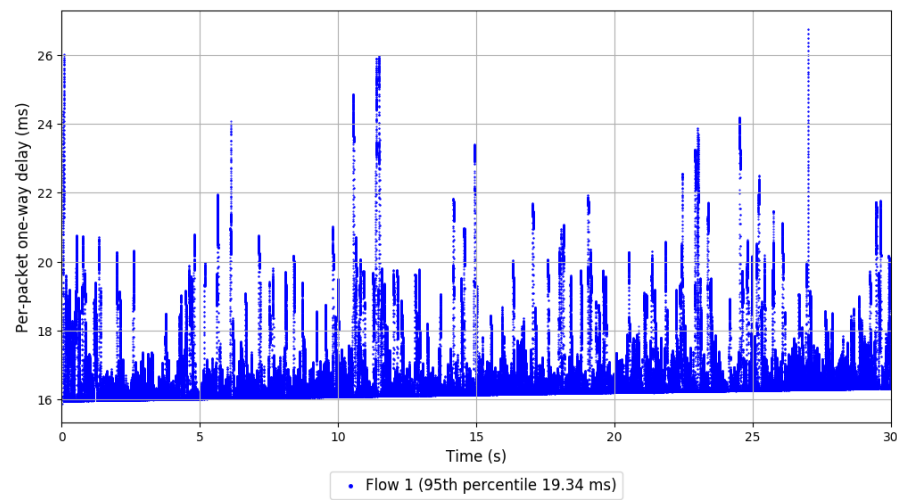
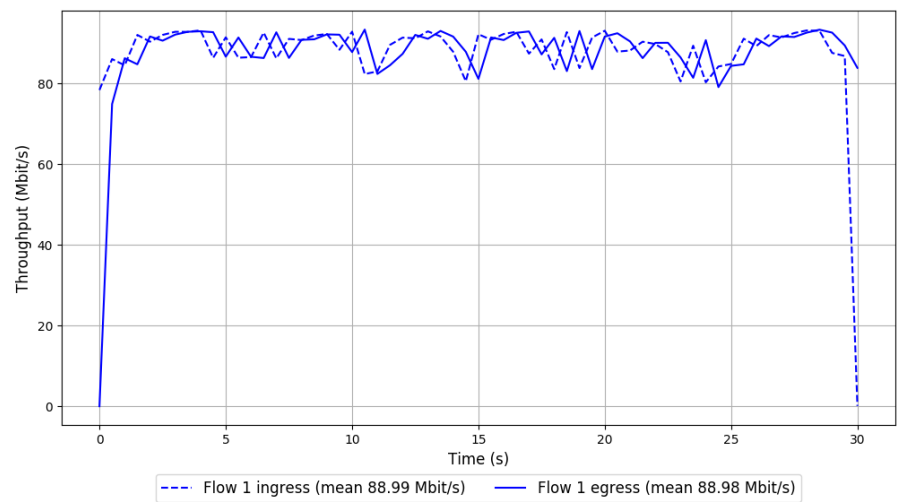
-- Flow 1:

Average throughput: 88.98 Mbit/s

95th percentile per-packet one-way delay: 19.338 ms

Loss rate: 0.08%

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



Run 2: Statistics of TaoVA-100x

Start at: 2018-06-19 02:08:47

End at: 2018-06-19 02:09:18

Local clock offset: 1.1 ms

Remote clock offset: 2.731 ms

Below is generated by plot.py at 2018-06-19 05:10:40

Datalink statistics

-- Total of 1 flow:

Average throughput: 88.53 Mbit/s

95th percentile per-packet one-way delay: 18.922 ms

Loss rate: 0.09%

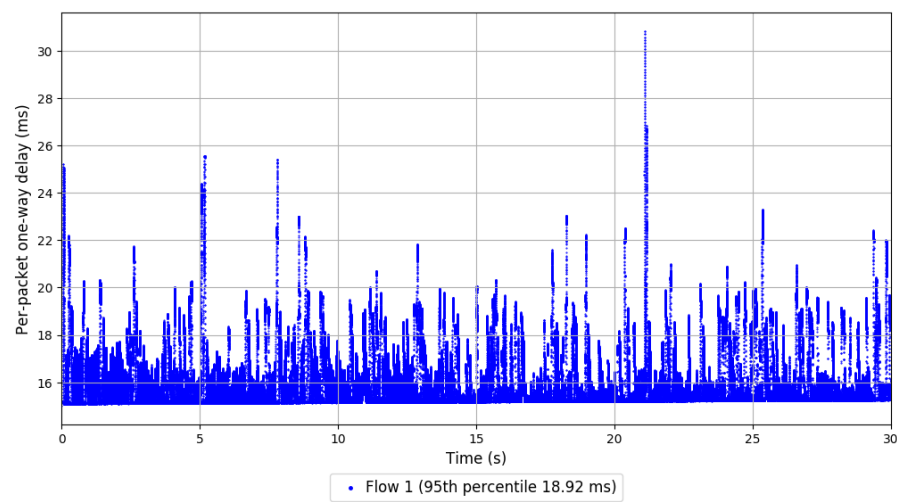
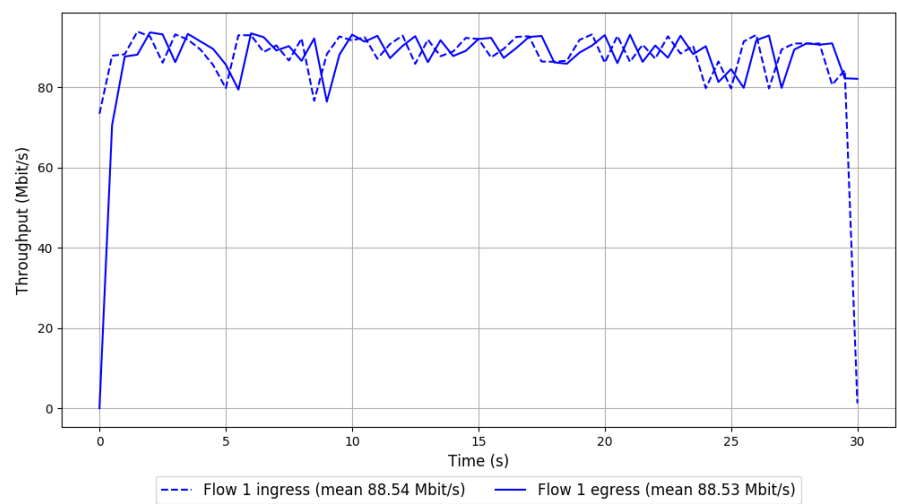
-- Flow 1:

Average throughput: 88.53 Mbit/s

95th percentile per-packet one-way delay: 18.922 ms

Loss rate: 0.09%

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



Run 3: Statistics of TaoVA-100x

Start at: 2018-06-19 02:27:57

End at: 2018-06-19 02:28:27

Local clock offset: 1.834 ms

Remote clock offset: -1.155 ms

Below is generated by plot.py at 2018-06-19 05:10:45

Datalink statistics

-- Total of 1 flow:

Average throughput: 89.94 Mbit/s

95th percentile per-packet one-way delay: 19.203 ms

Loss rate: 0.22%

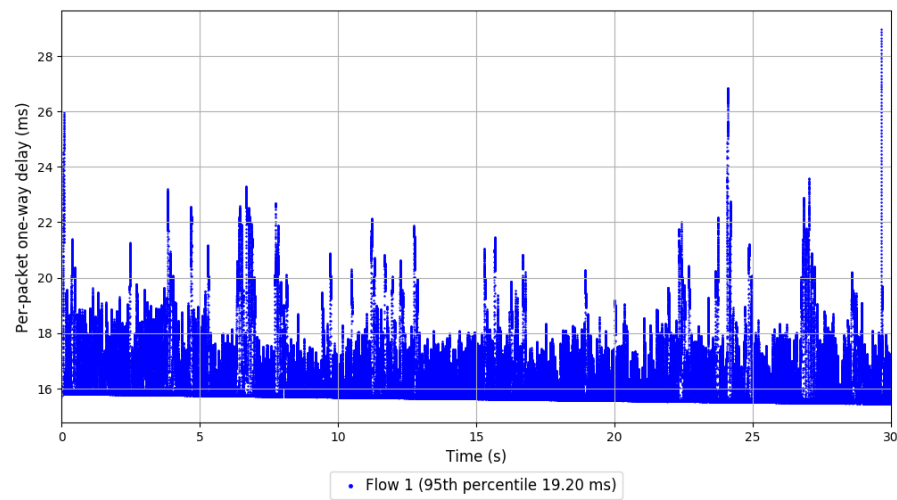
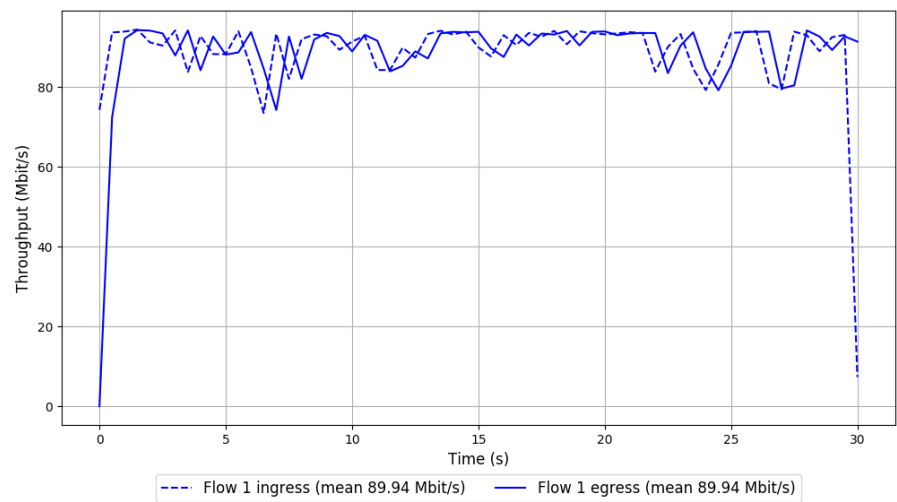
-- Flow 1:

Average throughput: 89.94 Mbit/s

95th percentile per-packet one-way delay: 19.203 ms

Loss rate: 0.22%

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

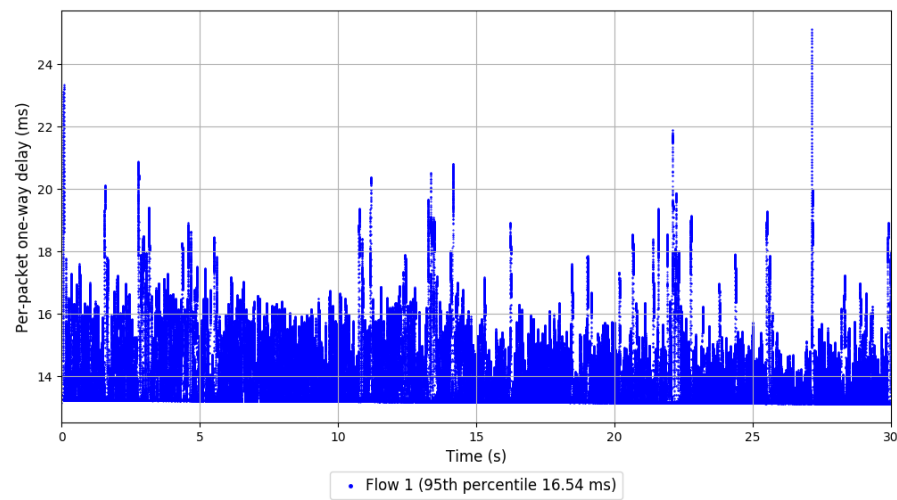
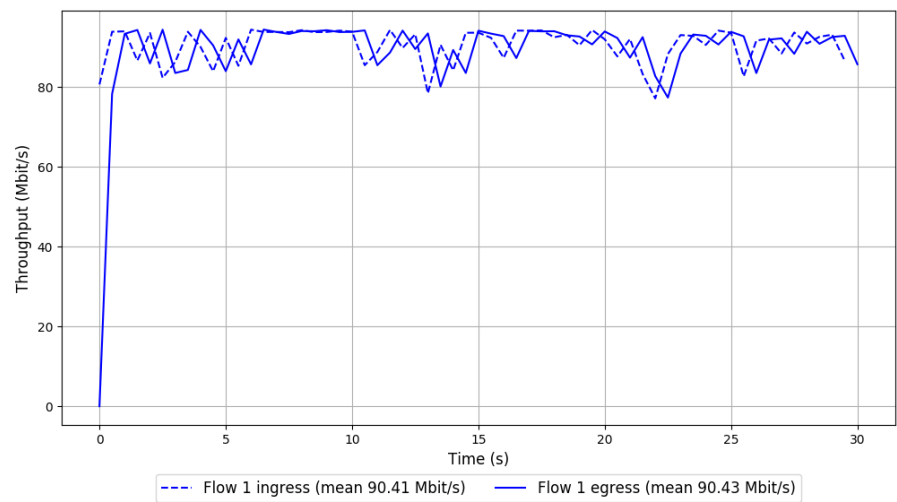


Run 4: Statistics of TaoVA-100x

Start at: 2018-06-19 02:47:32
End at: 2018-06-19 02:48:02
Local clock offset: -0.233 ms
Remote clock offset: -9.337 ms

Below is generated by plot.py at 2018-06-19 05:10:45
Datalink statistics
-- Total of 1 flow:
Average throughput: 90.43 Mbit/s
95th percentile per-packet one-way delay: 16.538 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 90.43 Mbit/s
95th percentile per-packet one-way delay: 16.538 ms
Loss rate: 0.07%

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

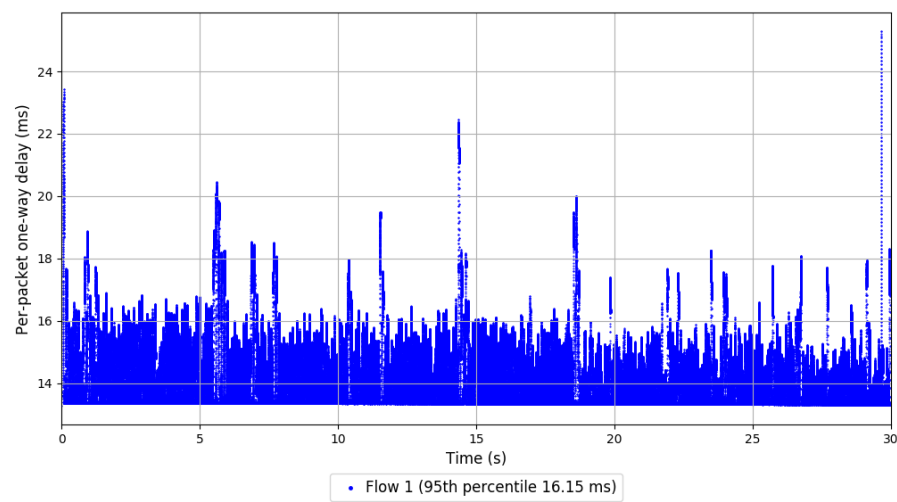
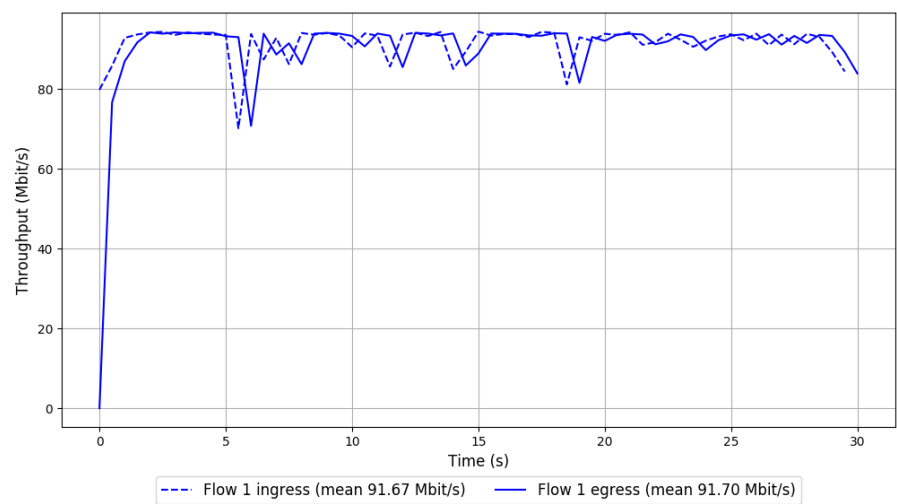


Run 5: Statistics of TaoVA-100x

Start at: 2018-06-19 03:06:38
End at: 2018-06-19 03:07:08
Local clock offset: 0.876 ms
Remote clock offset: -11.748 ms

Below is generated by plot.py at 2018-06-19 05:10:51
Datalink statistics
-- Total of 1 flow:
Average throughput: 91.70 Mbit/s
95th percentile per-packet one-way delay: 16.147 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 91.70 Mbit/s
95th percentile per-packet one-way delay: 16.147 ms
Loss rate: 0.05%

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

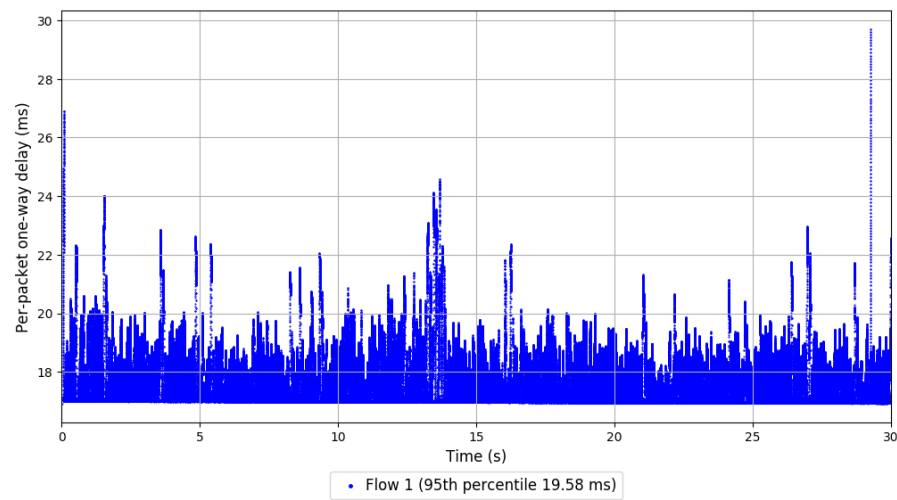
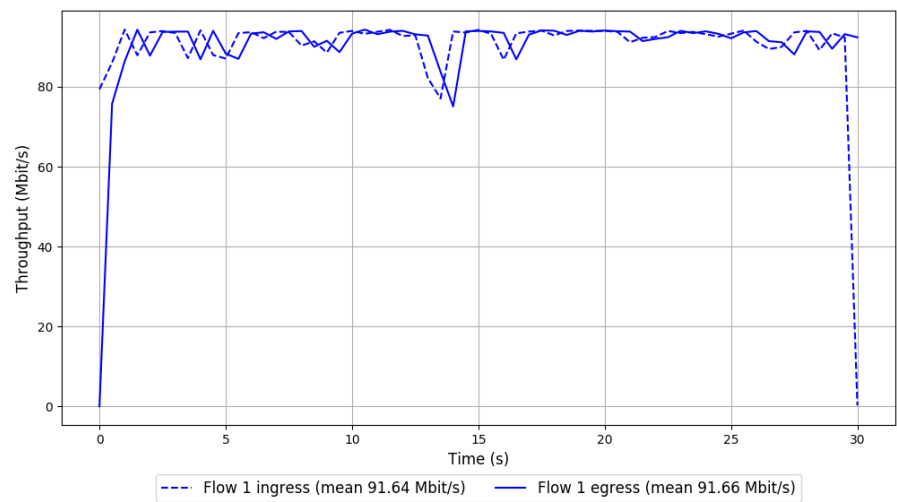


Run 6: Statistics of TaoVA-100x

Start at: 2018-06-19 03:25:48
End at: 2018-06-19 03:26:18
Local clock offset: 3.483 ms
Remote clock offset: -15.486 ms

Below is generated by plot.py at 2018-06-19 05:10:54
Datalink statistics
-- Total of 1 flow:
Average throughput: 91.66 Mbit/s
95th percentile per-packet one-way delay: 19.576 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 91.66 Mbit/s
95th percentile per-packet one-way delay: 19.576 ms
Loss rate: 0.06%

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

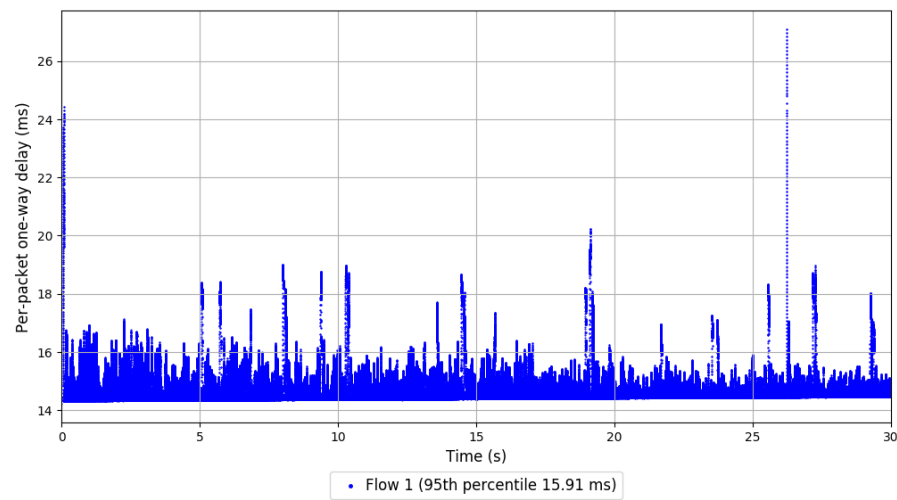
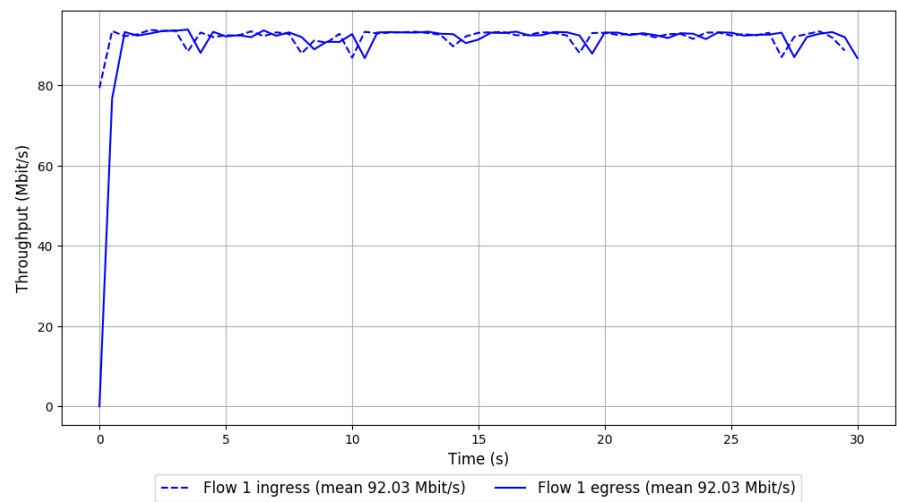


Run 7: Statistics of TaoVA-100x

Start at: 2018-06-19 03:44:53
End at: 2018-06-19 03:45:23
Local clock offset: 0.846 ms
Remote clock offset: -5.955 ms

Below is generated by plot.py at 2018-06-19 05:10:58
Datalink statistics
-- Total of 1 flow:
Average throughput: 92.03 Mbit/s
95th percentile per-packet one-way delay: 15.909 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 92.03 Mbit/s
95th percentile per-packet one-way delay: 15.909 ms
Loss rate: 0.08%

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



Run 8: Statistics of TaoVA-100x

Start at: 2018-06-19 04:03:43

End at: 2018-06-19 04:04:13

Local clock offset: 1.17 ms

Remote clock offset: -3.152 ms

Below is generated by plot.py at 2018-06-19 05:10:59

Datalink statistics

-- Total of 1 flow:

Average throughput: 91.54 Mbit/s

95th percentile per-packet one-way delay: 16.752 ms

Loss rate: 0.09%

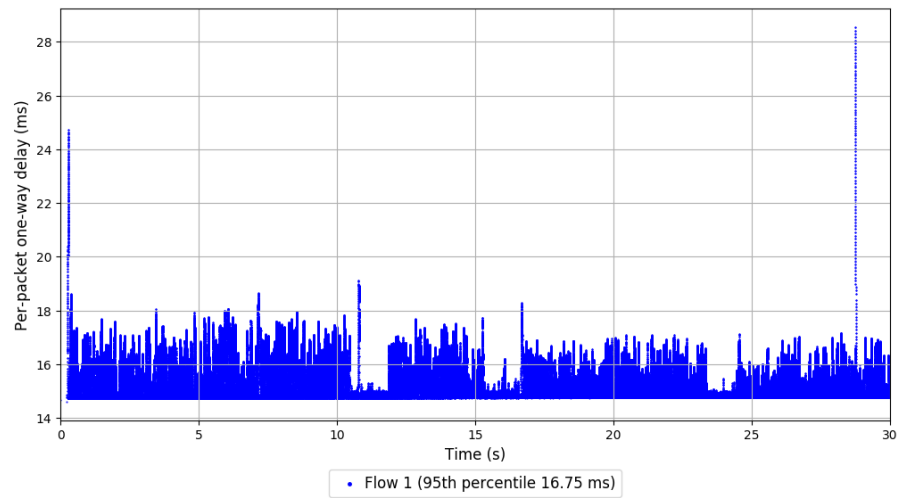
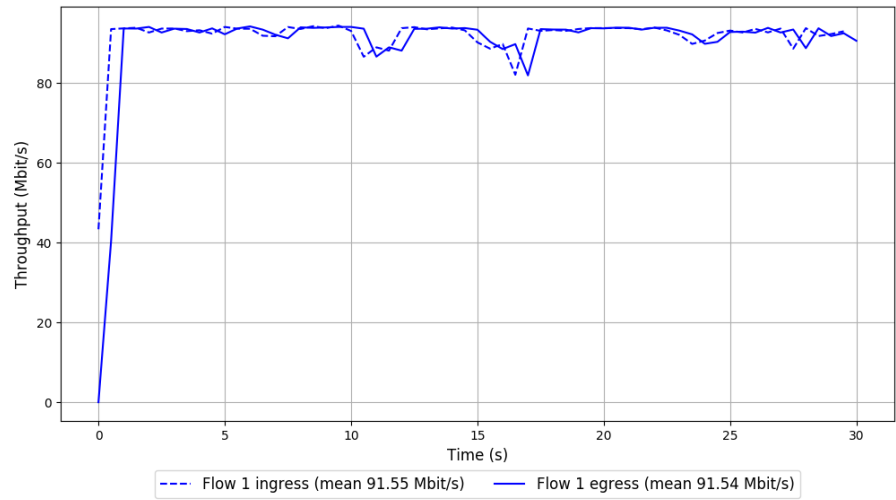
-- Flow 1:

Average throughput: 91.54 Mbit/s

95th percentile per-packet one-way delay: 16.752 ms

Loss rate: 0.09%

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



Run 9: Statistics of TaoVA-100x

Start at: 2018-06-19 04:22:30

End at: 2018-06-19 04:23:00

Local clock offset: 2.466 ms

Remote clock offset: -0.38 ms

Below is generated by plot.py at 2018-06-19 05:12:27

Datalink statistics

-- Total of 1 flow:

Average throughput: 92.75 Mbit/s

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

Loss rate: 0.08%

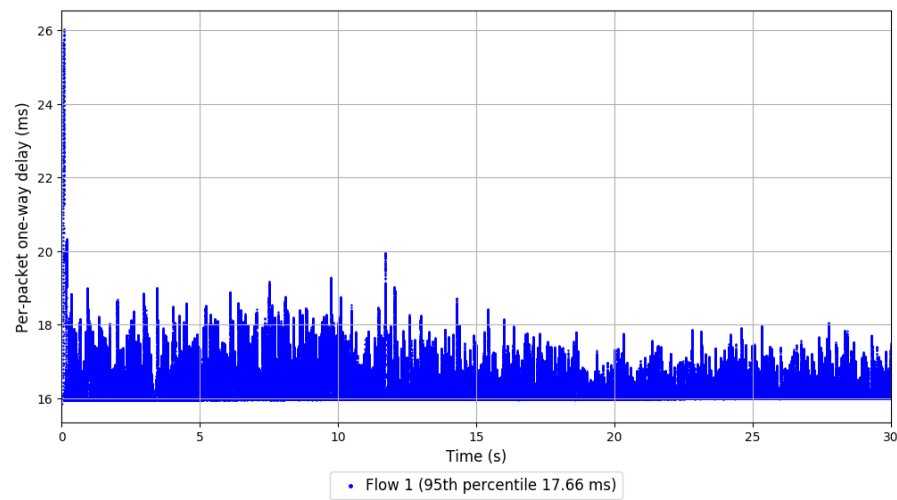
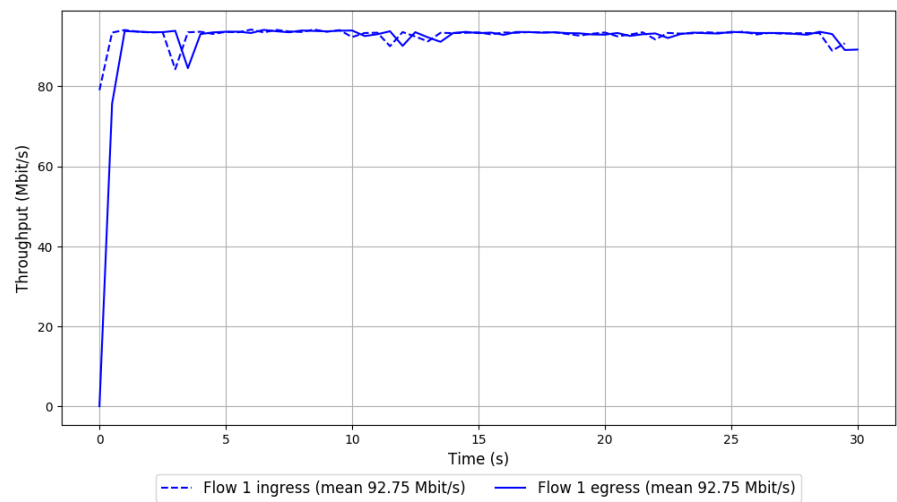
-- Flow 1:

Average throughput: 92.75 Mbit/s

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

Loss rate: 0.08%

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



Run 10: Statistics of TaoVA-100x

Start at: 2018-06-19 04:41:25

End at: 2018-06-19 04:41:55

Local clock offset: 1.967 ms

Remote clock offset: -0.12 ms

Below is generated by plot.py at 2018-06-19 05:12:29

Datalink statistics

-- Total of 1 flow:

Average throughput: 88.77 Mbit/s

95th percentile per-packet one-way delay: 16.006 ms

Loss rate: 0.08%

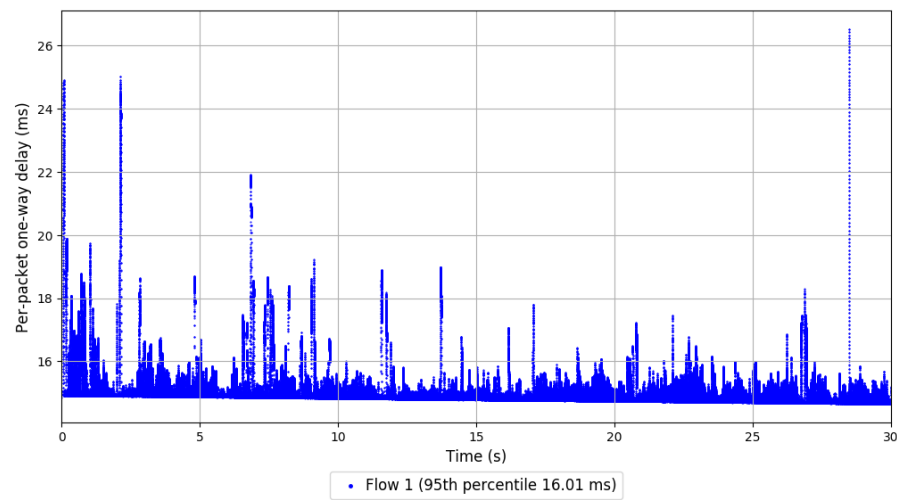
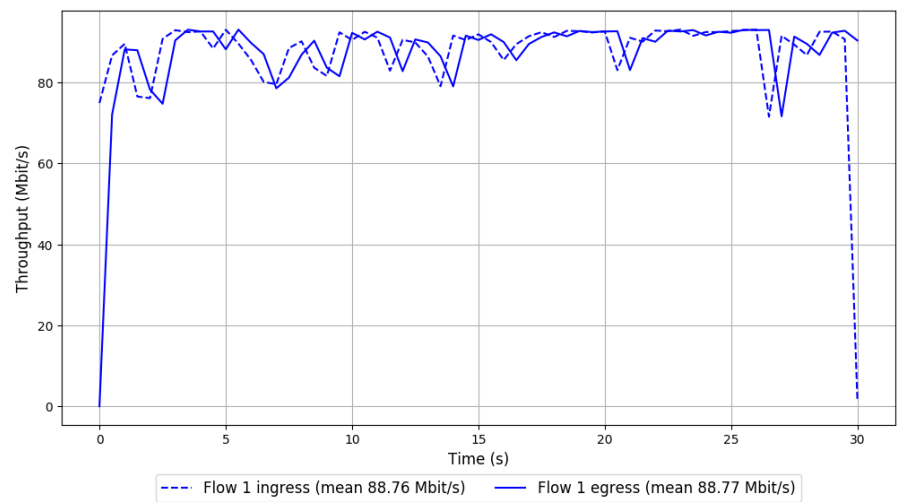
-- Flow 1:

Average throughput: 88.77 Mbit/s

95th percentile per-packet one-way delay: 16.006 ms

Loss rate: 0.08%

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

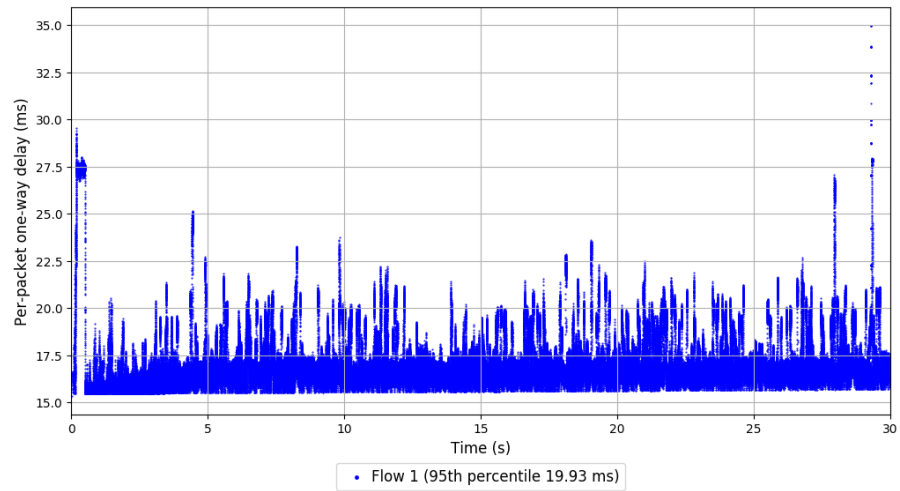
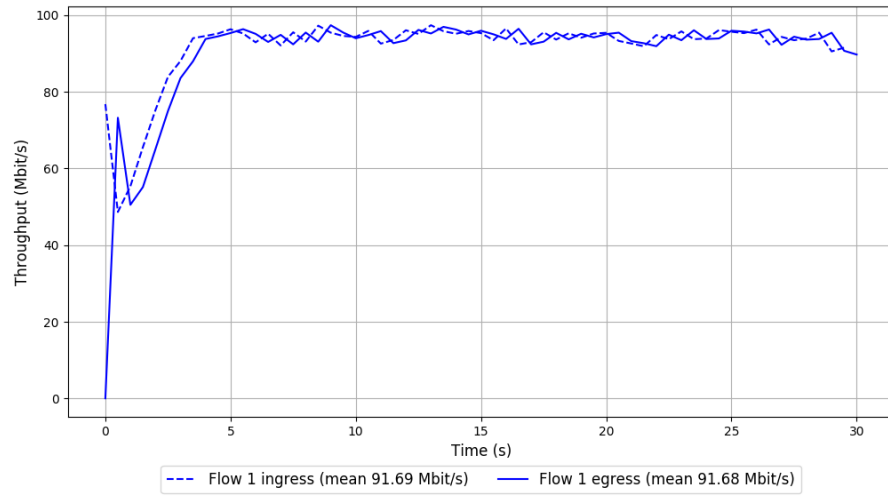


Run 1: Statistics of TCP Vegas

Start at: 2018-06-19 01:54:39
End at: 2018-06-19 01:55:09
Local clock offset: 2.243 ms
Remote clock offset: -1.554 ms

Below is generated by plot.py at 2018-06-19 05:12:29
Datalink statistics
-- Total of 1 flow:
Average throughput: 91.68 Mbit/s
95th percentile per-packet one-way delay: 19.927 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 91.68 Mbit/s
95th percentile per-packet one-way delay: 19.927 ms
Loss rate: 0.09%

Run 1: Report of TCP Vegas — Data Link

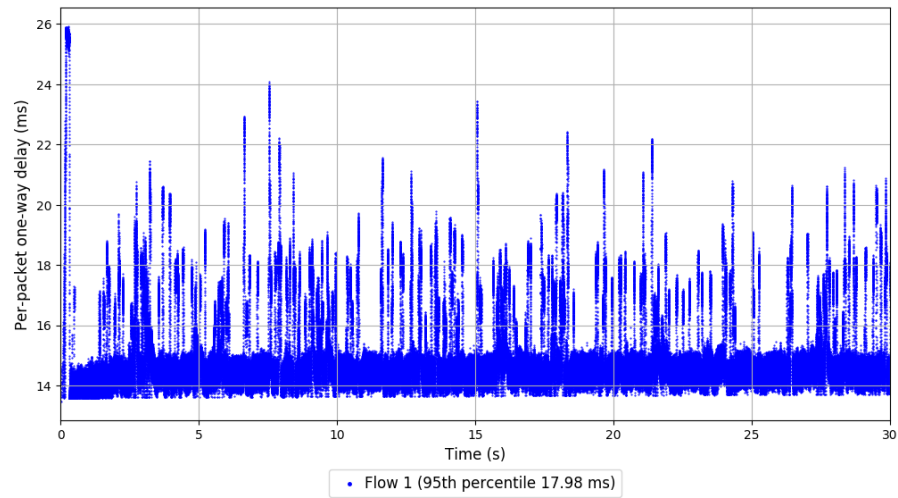
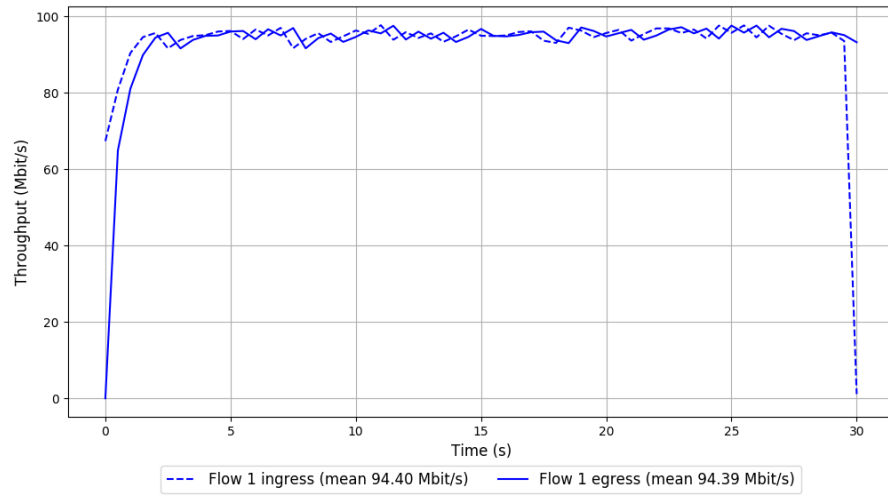


Run 2: Statistics of TCP Vegas

Start at: 2018-06-19 02:13:30
End at: 2018-06-19 02:14:00
Local clock offset: -0.309 ms
Remote clock offset: 4.192 ms

Below is generated by plot.py at 2018-06-19 05:12:29
Datalink statistics
-- Total of 1 flow:
Average throughput: 94.39 Mbit/s
95th percentile per-packet one-way delay: 17.985 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 94.39 Mbit/s
95th percentile per-packet one-way delay: 17.985 ms
Loss rate: 0.09%

Run 2: Report of TCP Vegas — Data Link

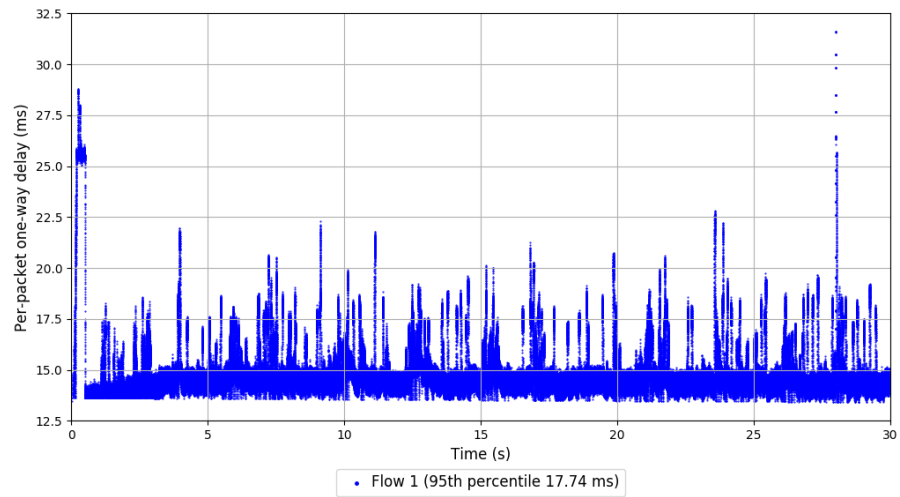
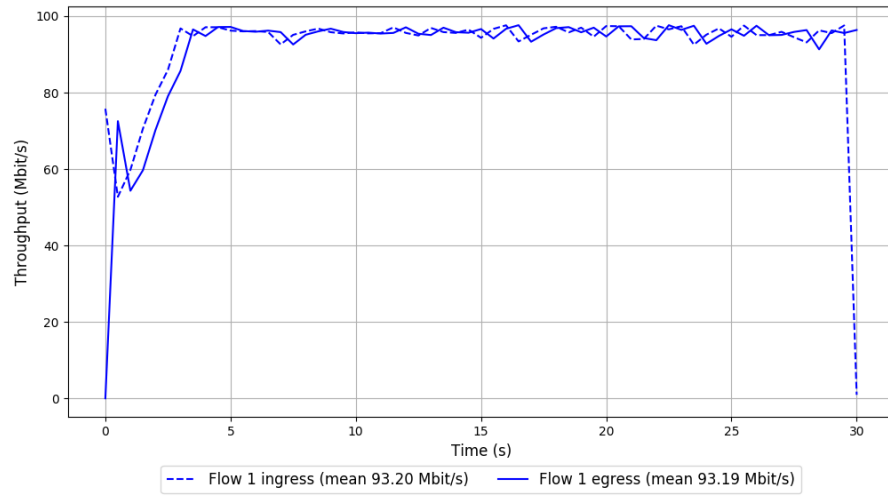


Run 3: Statistics of TCP Vegas

Start at: 2018-06-19 02:32:51
End at: 2018-06-19 02:33:21
Local clock offset: -1.48 ms
Remote clock offset: -5.152 ms

Below is generated by plot.py at 2018-06-19 05:12:29
Datalink statistics
-- Total of 1 flow:
Average throughput: 93.19 Mbit/s
95th percentile per-packet one-way delay: 17.744 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 93.19 Mbit/s
95th percentile per-packet one-way delay: 17.744 ms
Loss rate: 0.09%

Run 3: Report of TCP Vegas — Data Link

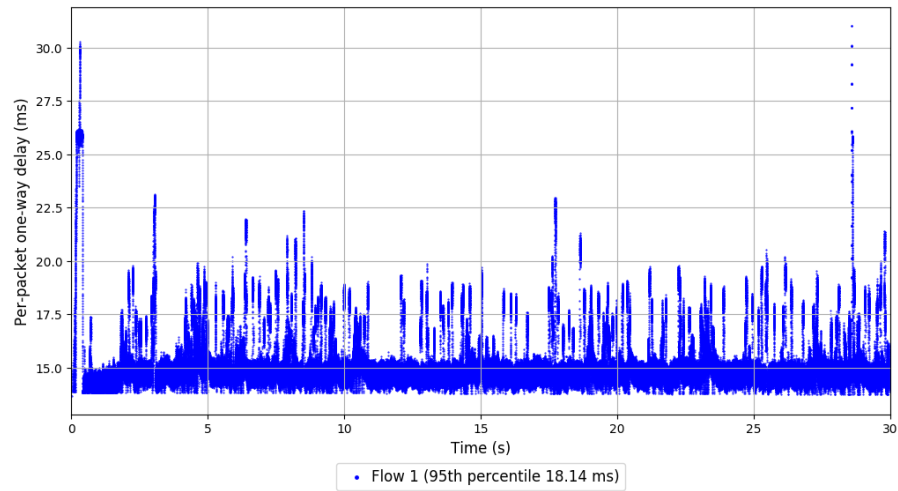
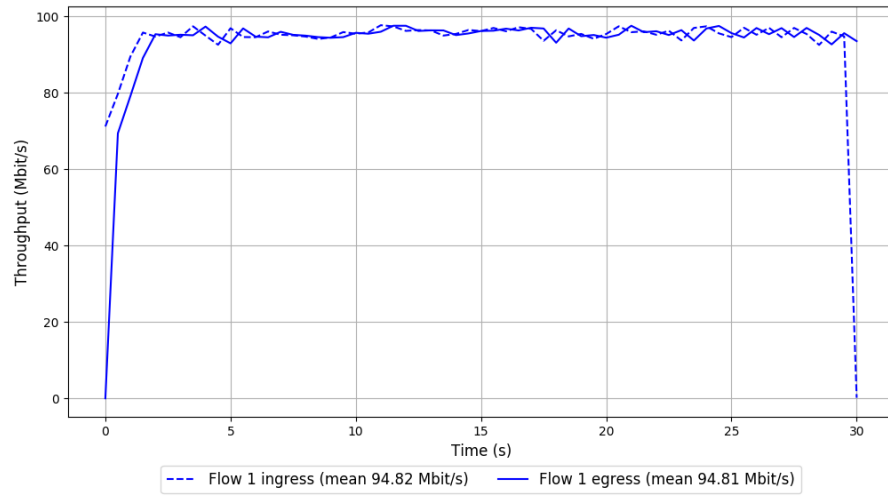


Run 4: Statistics of TCP Vegas

Start at: 2018-06-19 02:52:17
End at: 2018-06-19 02:52:47
Local clock offset: 1.424 ms
Remote clock offset: -9.298 ms

Below is generated by plot.py at 2018-06-19 05:12:29
Datalink statistics
-- Total of 1 flow:
Average throughput: 94.81 Mbit/s
95th percentile per-packet one-way delay: 18.139 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 94.81 Mbit/s
95th percentile per-packet one-way delay: 18.139 ms
Loss rate: 0.08%

Run 4: Report of TCP Vegas — Data Link

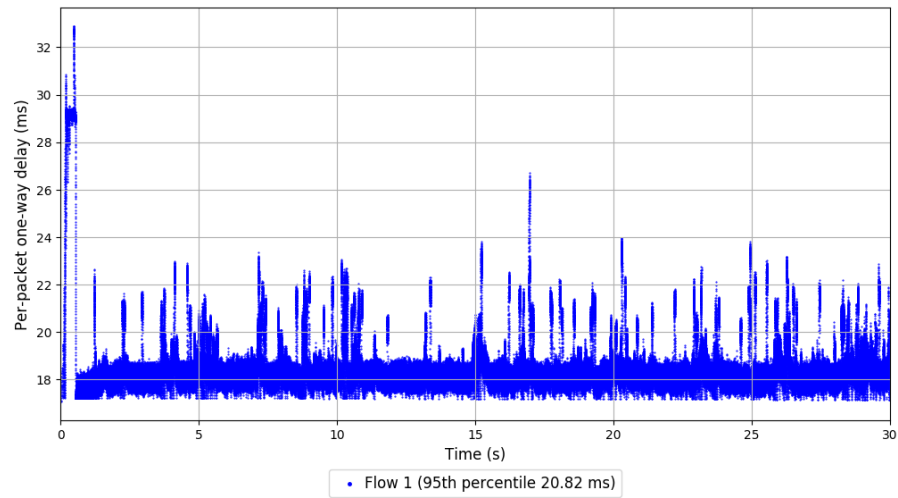
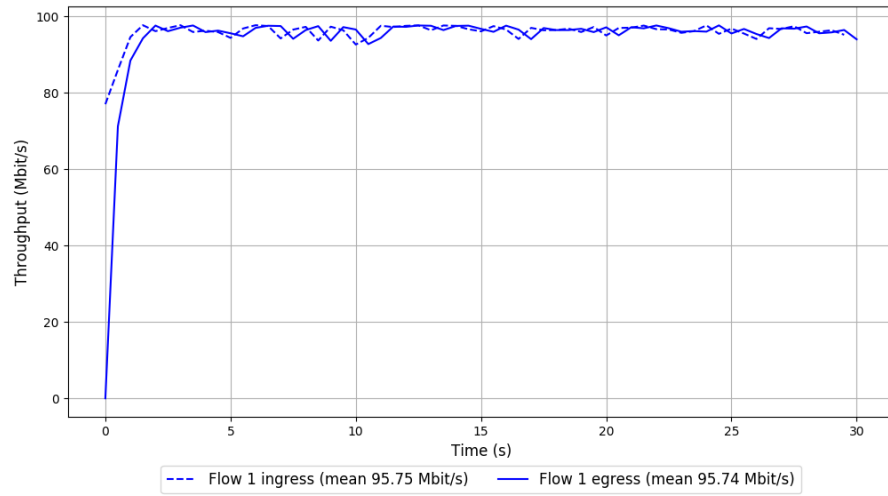


Run 5: Statistics of TCP Vegas

Start at: 2018-06-19 03:11:24
End at: 2018-06-19 03:11:54
Local clock offset: 3.342 ms
Remote clock offset: -13.72 ms

Below is generated by plot.py at 2018-06-19 05:12:29
Datalink statistics
-- Total of 1 flow:
Average throughput: 95.74 Mbit/s
95th percentile per-packet one-way delay: 20.825 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 95.74 Mbit/s
95th percentile per-packet one-way delay: 20.825 ms
Loss rate: 0.09%

Run 5: Report of TCP Vegas — Data Link

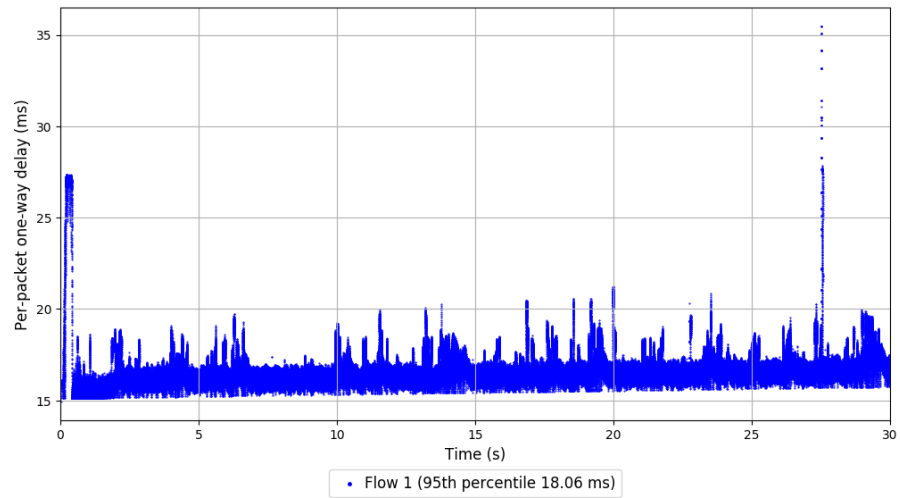
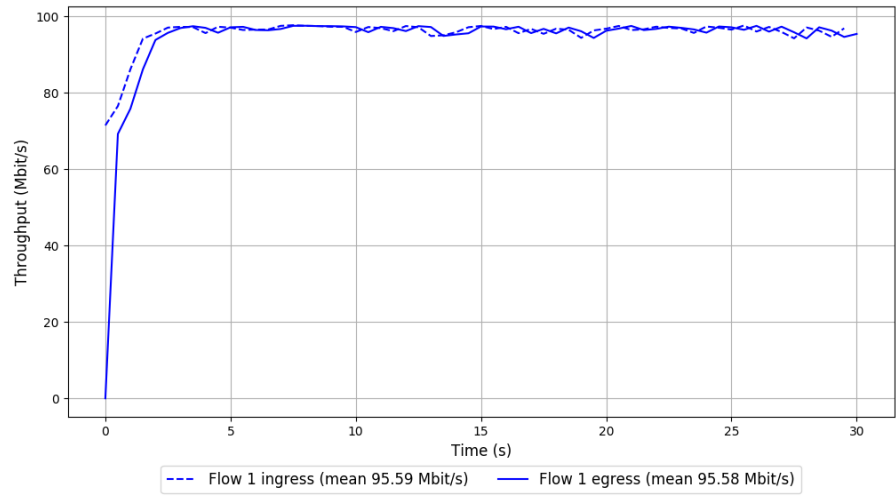


Run 6: Statistics of TCP Vegas

Start at: 2018-06-19 03:30:28
End at: 2018-06-19 03:30:58
Local clock offset: 1.241 ms
Remote clock offset: -16.142 ms

Below is generated by plot.py at 2018-06-19 05:12:29
Datalink statistics
-- Total of 1 flow:
Average throughput: 95.58 Mbit/s
95th percentile per-packet one-way delay: 18.056 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 95.58 Mbit/s
95th percentile per-packet one-way delay: 18.056 ms
Loss rate: 0.08%

Run 6: Report of TCP Vegas — Data Link

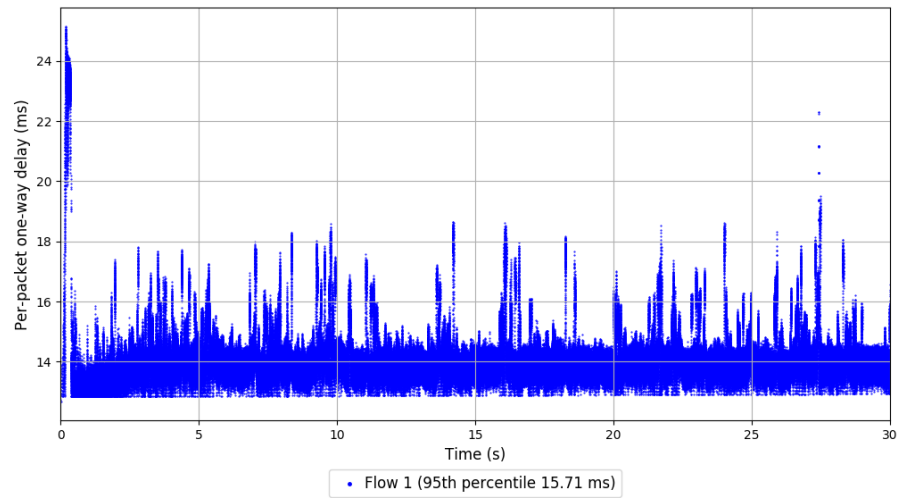
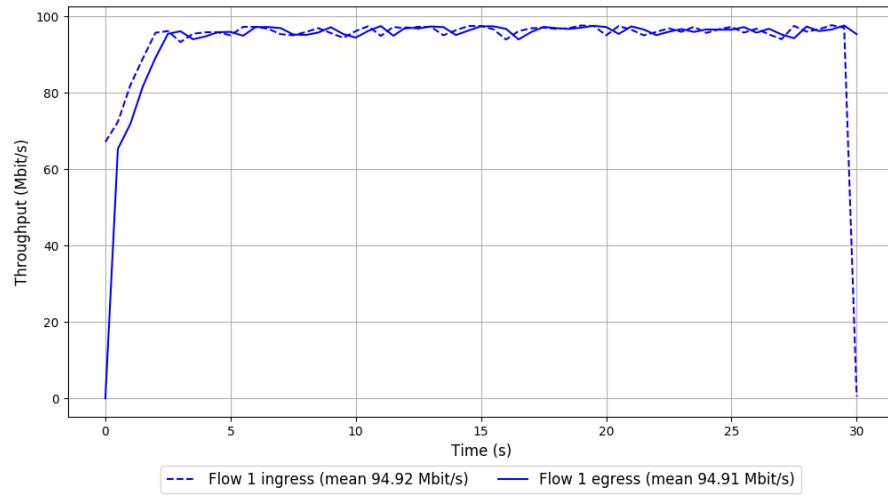


Run 7: Statistics of TCP Vegas

Start at: 2018-06-19 03:49:38
End at: 2018-06-19 03:50:08
Local clock offset: 0.028 ms
Remote clock offset: -4.153 ms

Below is generated by plot.py at 2018-06-19 05:12:54
Datalink statistics
-- Total of 1 flow:
Average throughput: 94.91 Mbit/s
95th percentile per-packet one-way delay: 15.710 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 94.91 Mbit/s
95th percentile per-packet one-way delay: 15.710 ms
Loss rate: 0.09%

Run 7: Report of TCP Vegas — Data Link

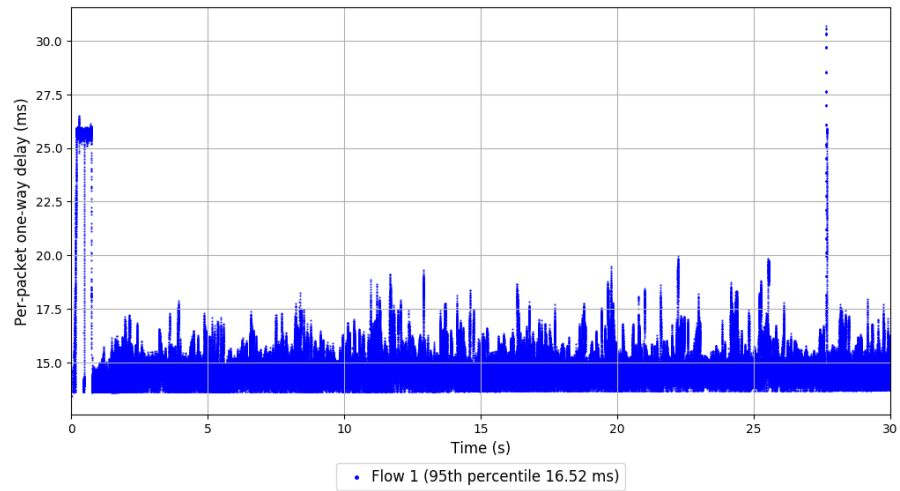
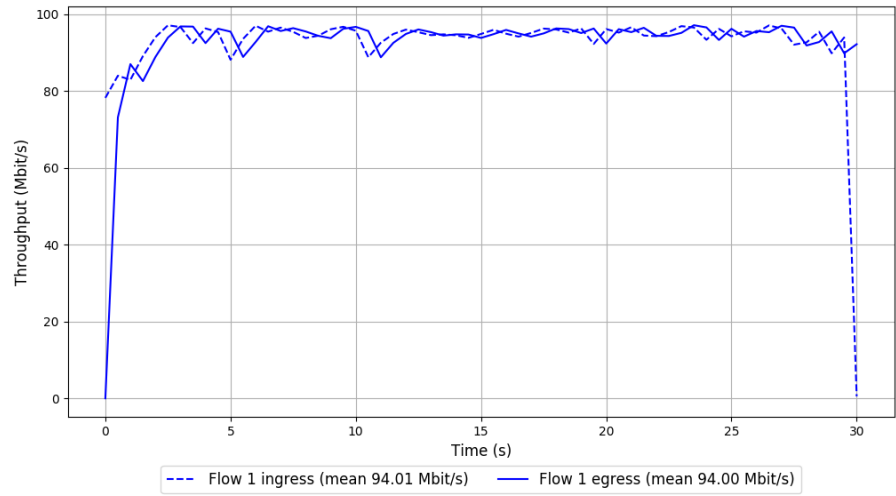


Run 8: Statistics of TCP Vegas

Start at: 2018-06-19 04:08:25
End at: 2018-06-19 04:08:55
Local clock offset: 0.982 ms
Remote clock offset: -1.394 ms

Below is generated by plot.py at 2018-06-19 05:12:55
Datalink statistics
-- Total of 1 flow:
Average throughput: 94.00 Mbit/s
95th percentile per-packet one-way delay: 16.522 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 94.00 Mbit/s
95th percentile per-packet one-way delay: 16.522 ms
Loss rate: 0.09%

Run 8: Report of TCP Vegas — Data Link

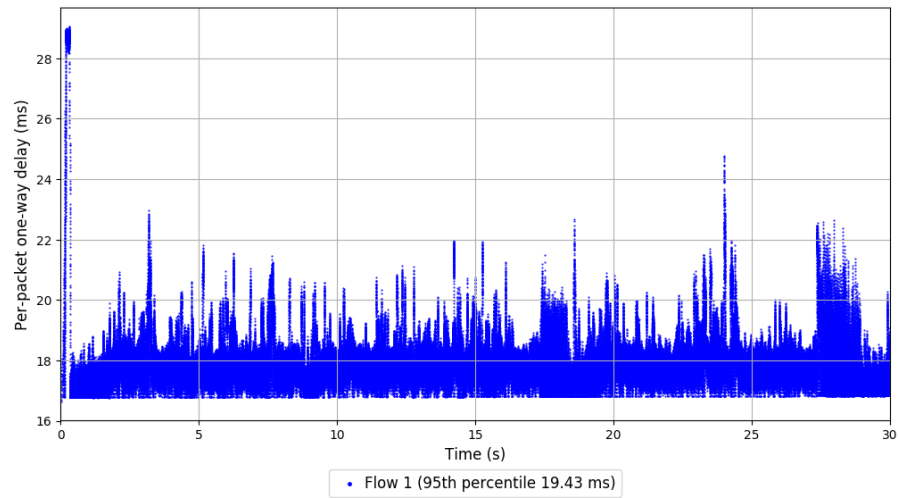
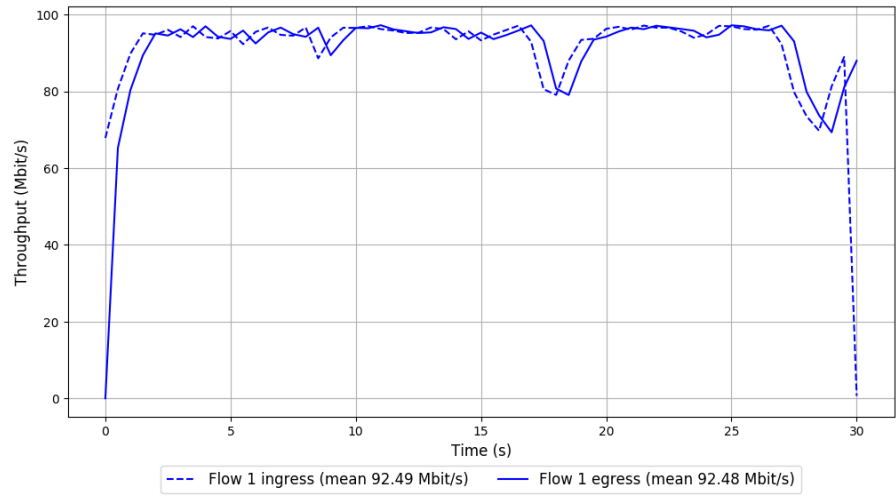


Run 9: Statistics of TCP Vegas

Start at: 2018-06-19 04:27:18
End at: 2018-06-19 04:27:48
Local clock offset: 3.14 ms
Remote clock offset: -0.043 ms

Below is generated by plot.py at 2018-06-19 05:13:01
Datalink statistics
-- Total of 1 flow:
Average throughput: 92.48 Mbit/s
95th percentile per-packet one-way delay: 19.429 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 92.48 Mbit/s
95th percentile per-packet one-way delay: 19.429 ms
Loss rate: 0.09%

Run 9: Report of TCP Vegas — Data Link



Run 10: Statistics of TCP Vegas

Start at: 2018-06-19 04:46:20

End at: 2018-06-19 04:46:50

Local clock offset: 2.374 ms

Remote clock offset: -2.834 ms

Below is generated by plot.py at 2018-06-19 05:13:01

Datalink statistics

-- Total of 1 flow:

Average throughput: 73.98 Mbit/s

95th percentile per-packet one-way delay: 18.605 ms

Loss rate: 0.10%

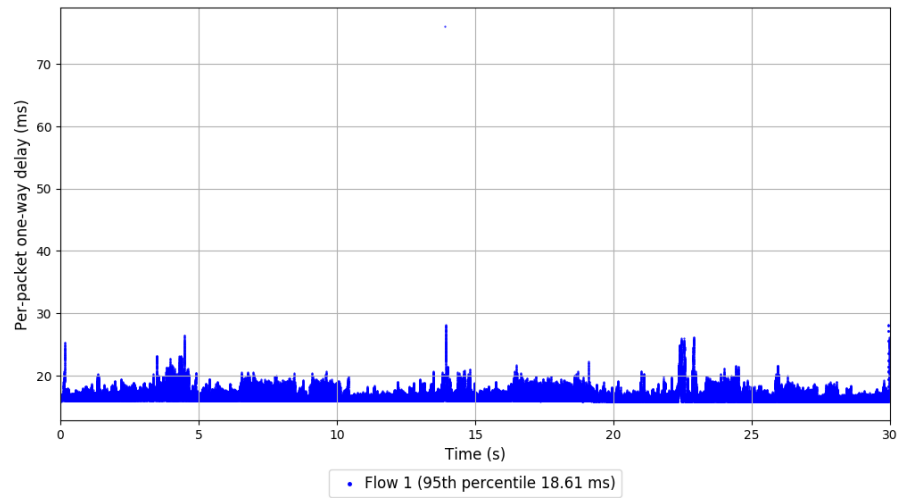
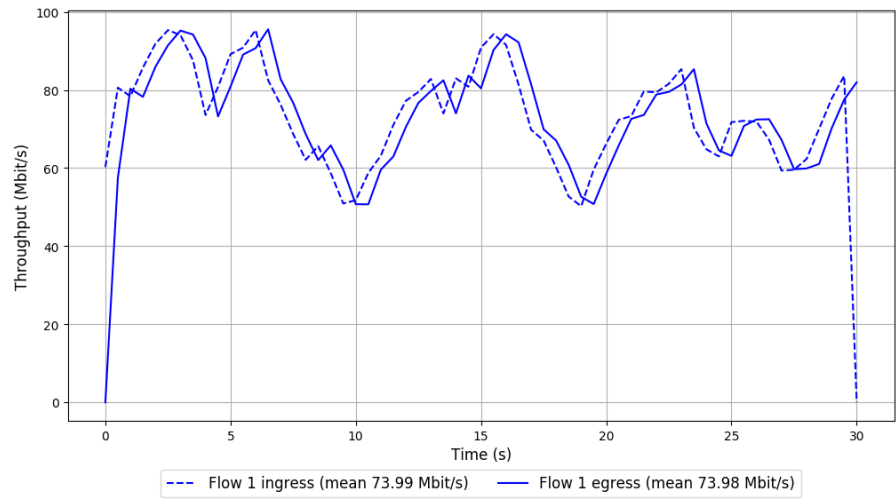
-- Flow 1:

Average throughput: 73.98 Mbit/s

95th percentile per-packet one-way delay: 18.605 ms

Loss rate: 0.10%

Run 10: Report of TCP Vegas — Data Link

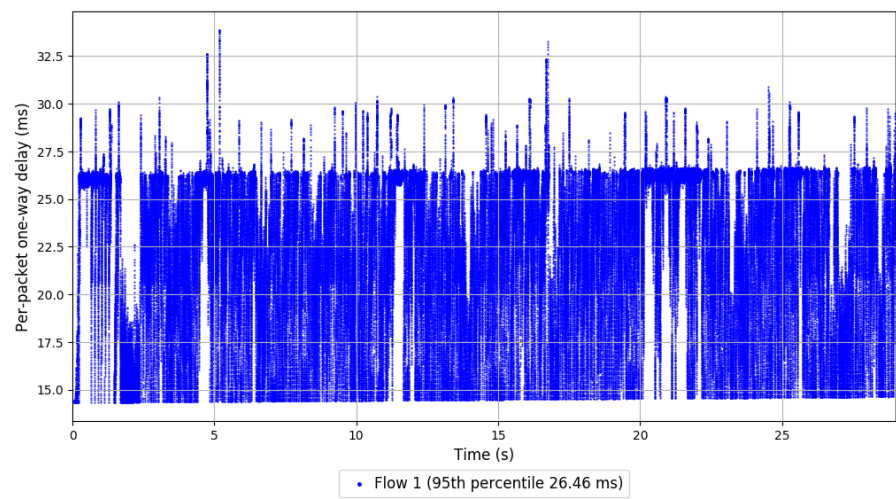
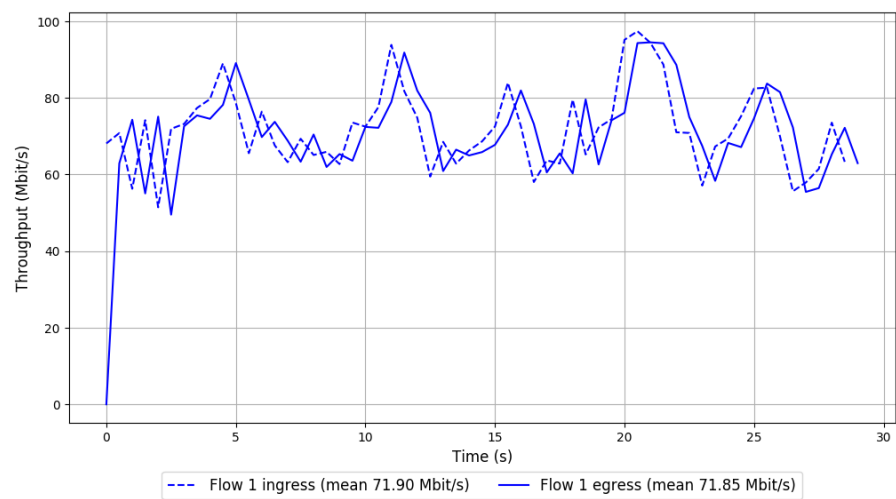


Run 1: Statistics of Verus

Start at: 2018-06-19 01:51:11
End at: 2018-06-19 01:51:41
Local clock offset: 1.441 ms
Remote clock offset: -3.187 ms

Below is generated by plot.py at 2018-06-19 05:13:01
Datalink statistics
-- Total of 1 flow:
Average throughput: 71.85 Mbit/s
95th percentile per-packet one-way delay: 26.456 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 71.85 Mbit/s
95th percentile per-packet one-way delay: 26.456 ms
Loss rate: 0.07%

Run 1: Report of Verus — Data Link



Run 2: Statistics of Verus

Start at: 2018-06-19 02:09:59

End at: 2018-06-19 02:10:29

Local clock offset: 0.214 ms

Remote clock offset: 3.311 ms

Below is generated by plot.py at 2018-06-19 05:13:01

Datalink statistics

-- Total of 1 flow:

Average throughput: 66.75 Mbit/s

95th percentile per-packet one-way delay: 26.035 ms

Loss rate: 0.14%

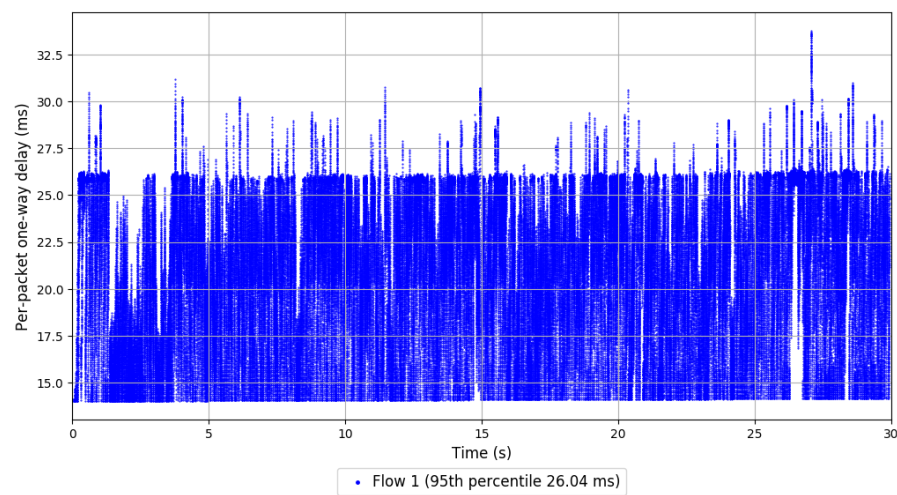
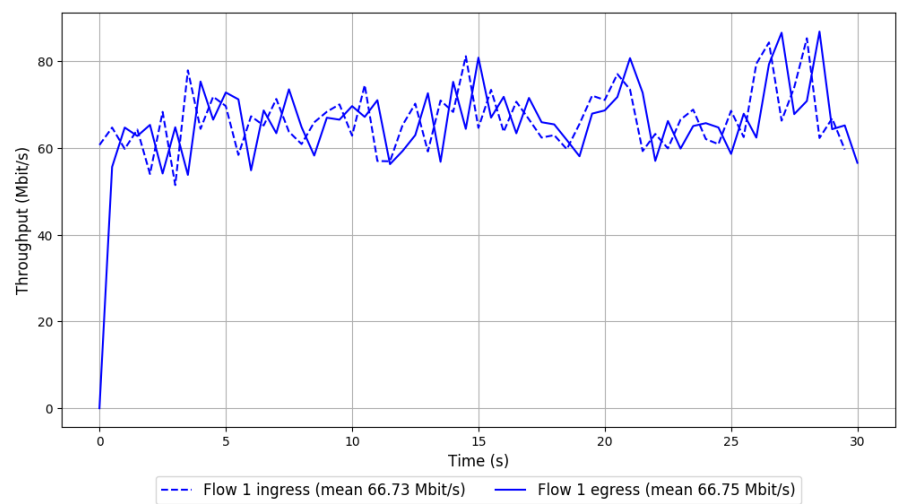
-- Flow 1:

Average throughput: 66.75 Mbit/s

95th percentile per-packet one-way delay: 26.035 ms

Loss rate: 0.14%

Run 2: Report of Verus — Data Link

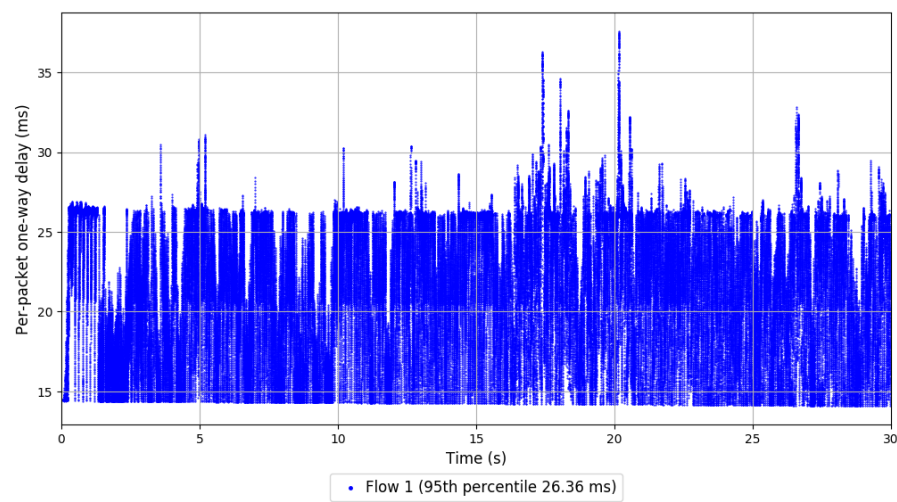
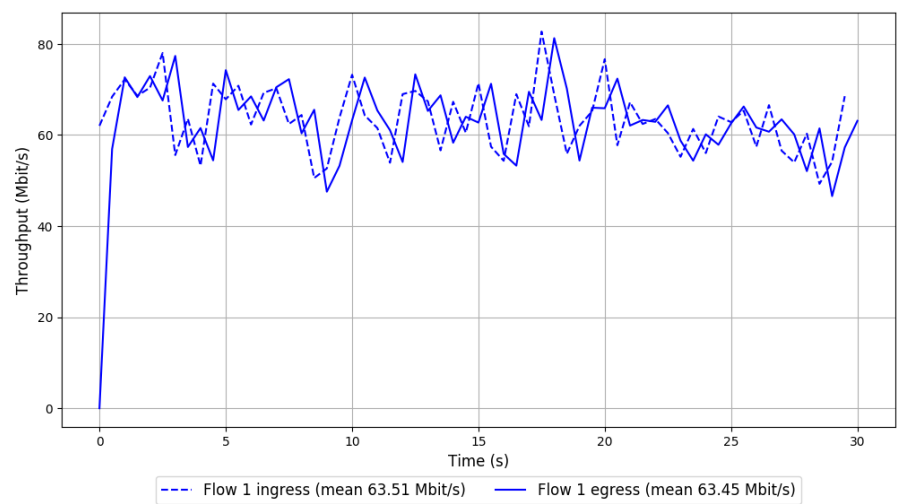


Run 3: Statistics of Verus

Start at: 2018-06-19 02:29:12
End at: 2018-06-19 02:29:42
Local clock offset: -0.342 ms
Remote clock offset: -2.793 ms

Below is generated by plot.py at 2018-06-19 05:13:18
Datalink statistics
-- Total of 1 flow:
Average throughput: 63.45 Mbit/s
95th percentile per-packet one-way delay: 26.359 ms
Loss rate: 0.17%
-- Flow 1:
Average throughput: 63.45 Mbit/s
95th percentile per-packet one-way delay: 26.359 ms
Loss rate: 0.17%

Run 3: Report of Verus — Data Link

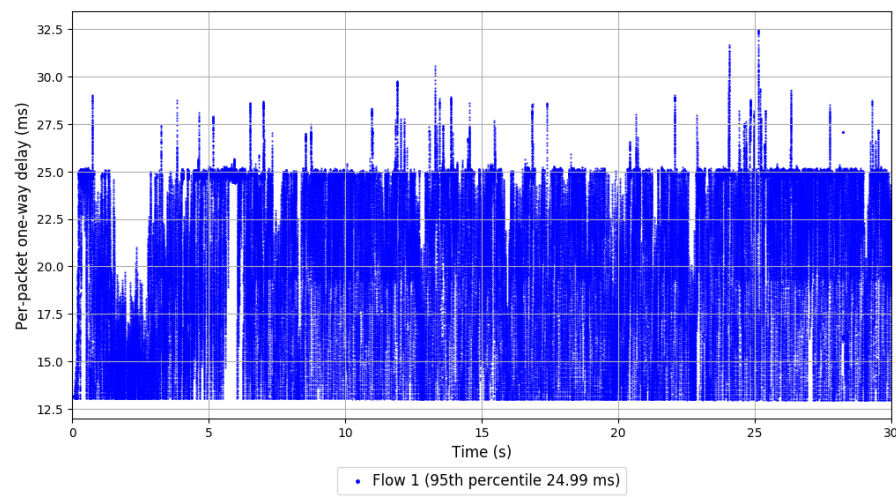
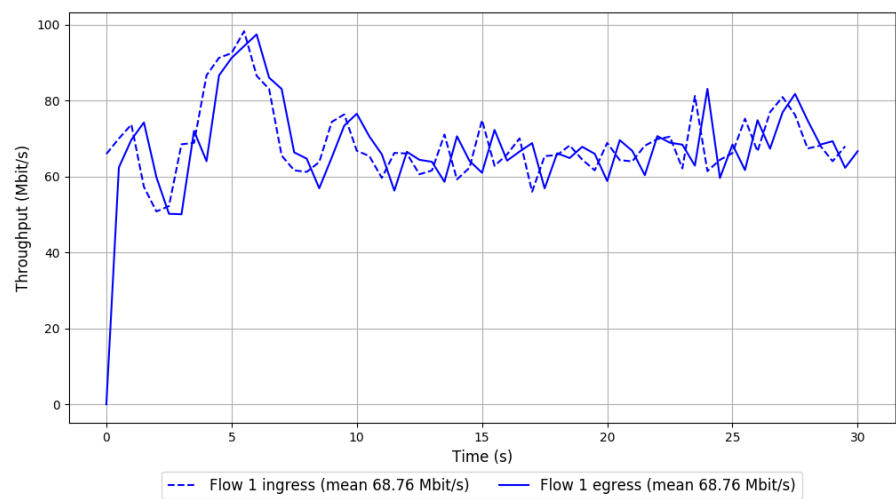


Run 4: Statistics of Verus

Start at: 2018-06-19 02:48:48
End at: 2018-06-19 02:49:18
Local clock offset: 0.472 ms
Remote clock offset: -8.743 ms

Below is generated by plot.py at 2018-06-19 05:13:24
Datalink statistics
-- Total of 1 flow:
Average throughput: 68.76 Mbit/s
95th percentile per-packet one-way delay: 24.992 ms
Loss rate: 0.14%
-- Flow 1:
Average throughput: 68.76 Mbit/s
95th percentile per-packet one-way delay: 24.992 ms
Loss rate: 0.14%

Run 4: Report of Verus — Data Link

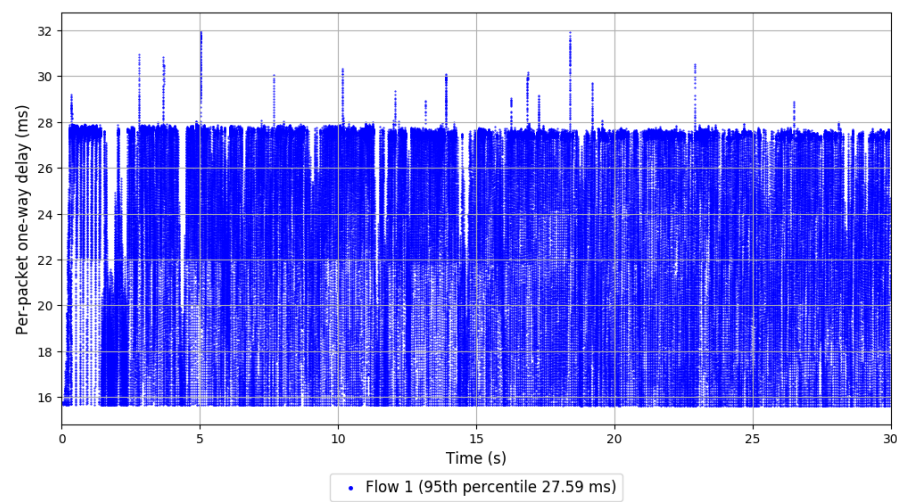
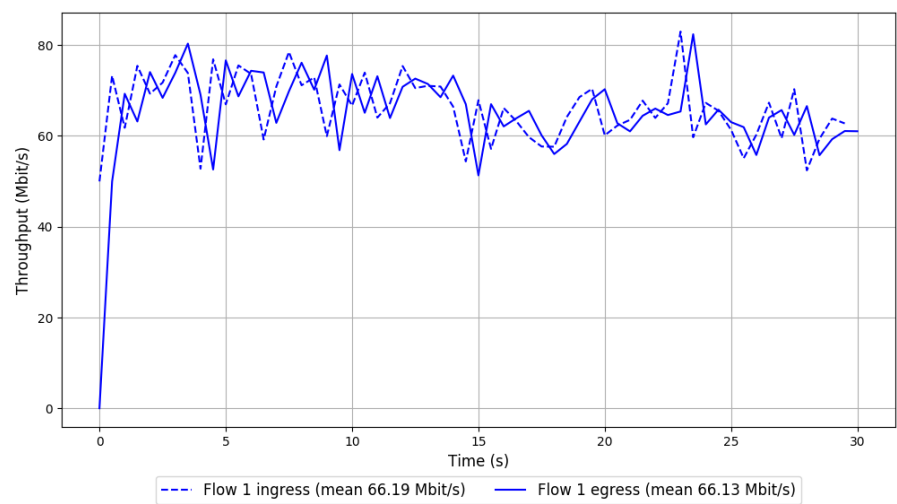


Run 5: Statistics of Verus

Start at: 2018-06-19 03:07:57
End at: 2018-06-19 03:08:27
Local clock offset: 2.001 ms
Remote clock offset: -13.081 ms

Below is generated by plot.py at 2018-06-19 05:13:44
Datalink statistics
-- Total of 1 flow:
Average throughput: 66.13 Mbit/s
95th percentile per-packet one-way delay: 27.590 ms
Loss rate: 0.15%
-- Flow 1:
Average throughput: 66.13 Mbit/s
95th percentile per-packet one-way delay: 27.590 ms
Loss rate: 0.15%

Run 5: Report of Verus — Data Link

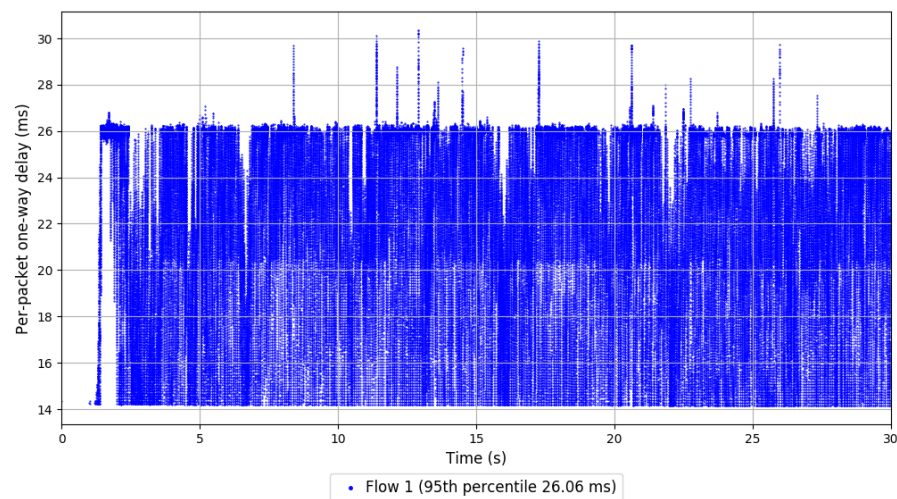
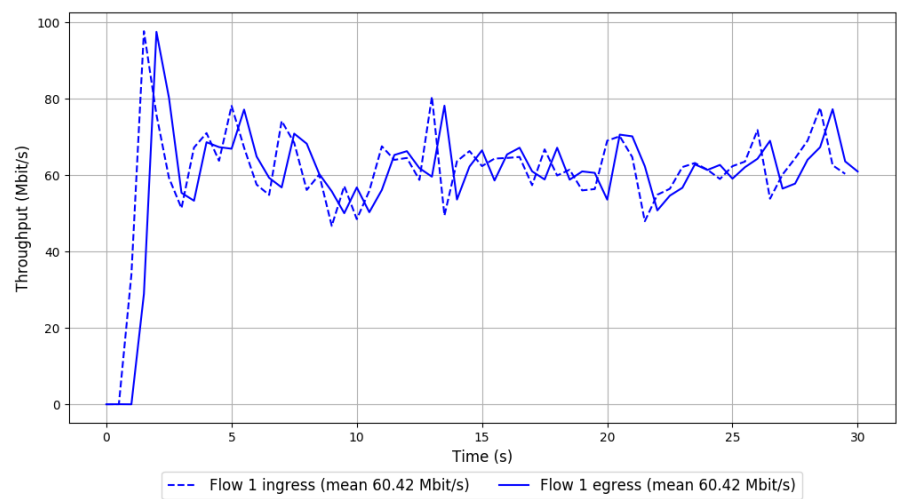


Run 6: Statistics of Verus

Start at: 2018-06-19 03:27:00
End at: 2018-06-19 03:27:30
Local clock offset: 0.915 ms
Remote clock offset: -15.457 ms

Below is generated by plot.py at 2018-06-19 05:13:44
Datalink statistics
-- Total of 1 flow:
Average throughput: 60.42 Mbit/s
95th percentile per-packet one-way delay: 26.057 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 60.42 Mbit/s
95th percentile per-packet one-way delay: 26.057 ms
Loss rate: 0.10%

Run 6: Report of Verus — Data Link



Run 7: Statistics of Verus

Start at: 2018-06-19 03:46:12

End at: 2018-06-19 03:46:42

Local clock offset: 2.912 ms

Remote clock offset: -5.38 ms

Below is generated by plot.py at 2018-06-19 05:13:44

Datalink statistics

-- Total of 1 flow:

Average throughput: 62.77 Mbit/s

95th percentile per-packet one-way delay: 28.156 ms

Loss rate: 0.17%

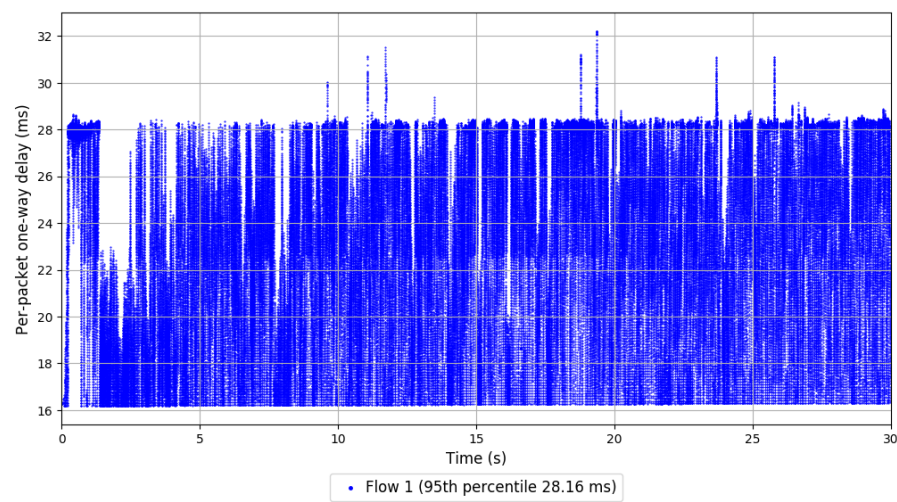
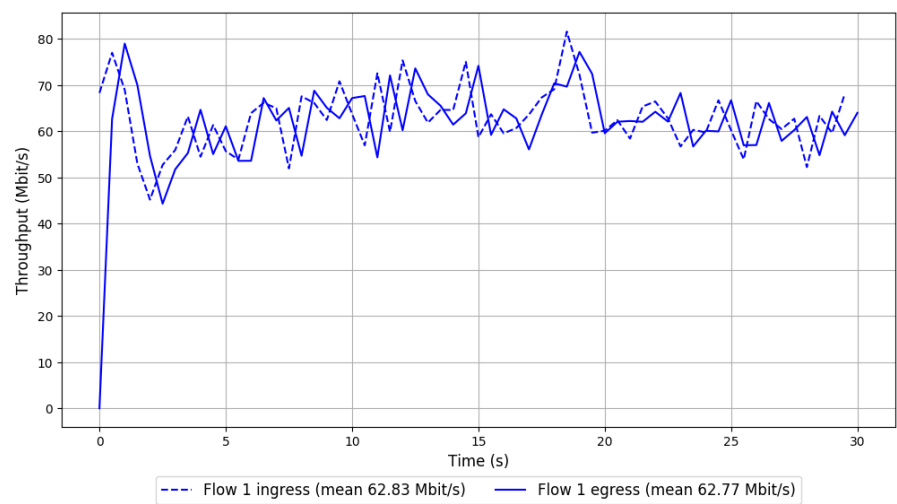
-- Flow 1:

Average throughput: 62.77 Mbit/s

95th percentile per-packet one-way delay: 28.156 ms

Loss rate: 0.17%

Run 7: Report of Verus — Data Link

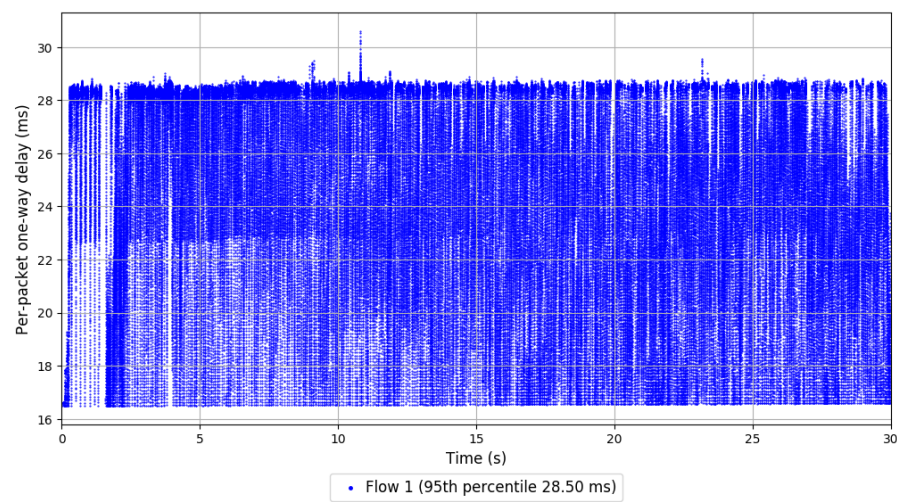
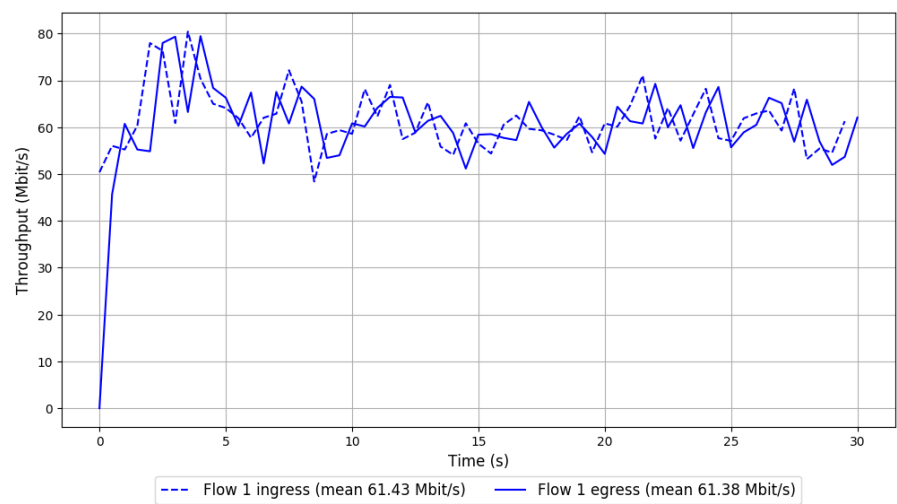


Run 8: Statistics of Verus

Start at: 2018-06-19 04:04:57
End at: 2018-06-19 04:05:27
Local clock offset: 2.753 ms
Remote clock offset: -3.144 ms

Below is generated by plot.py at 2018-06-19 05:13:44
Datalink statistics
-- Total of 1 flow:
Average throughput: 61.38 Mbit/s
95th percentile per-packet one-way delay: 28.497 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 61.38 Mbit/s
95th percentile per-packet one-way delay: 28.497 ms
Loss rate: 0.13%

Run 8: Report of Verus — Data Link

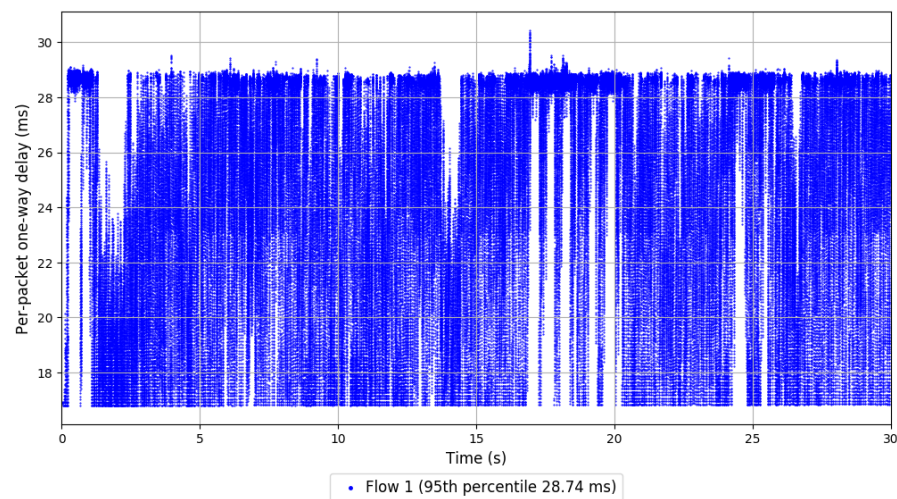
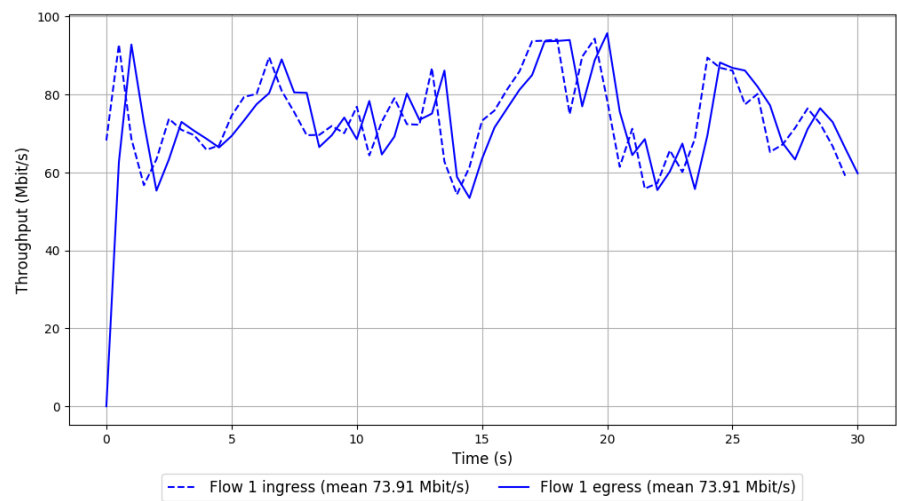


Run 9: Statistics of Verus

Start at: 2018-06-19 04:23:46
End at: 2018-06-19 04:24:16
Local clock offset: 3.463 ms
Remote clock offset: -0.106 ms

Below is generated by plot.py at 2018-06-19 05:13:50
Datalink statistics
-- Total of 1 flow:
Average throughput: 73.91 Mbit/s
95th percentile per-packet one-way delay: 28.741 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 73.91 Mbit/s
95th percentile per-packet one-way delay: 28.741 ms
Loss rate: 0.13%

Run 9: Report of Verus — Data Link

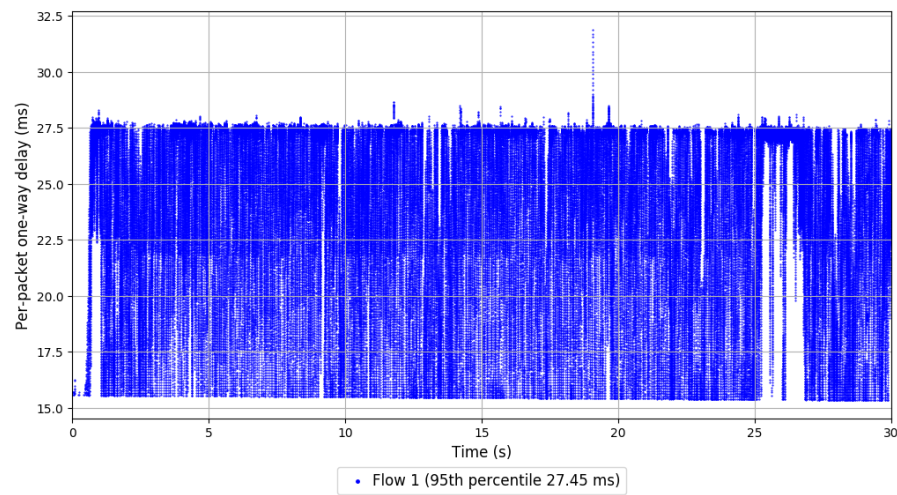
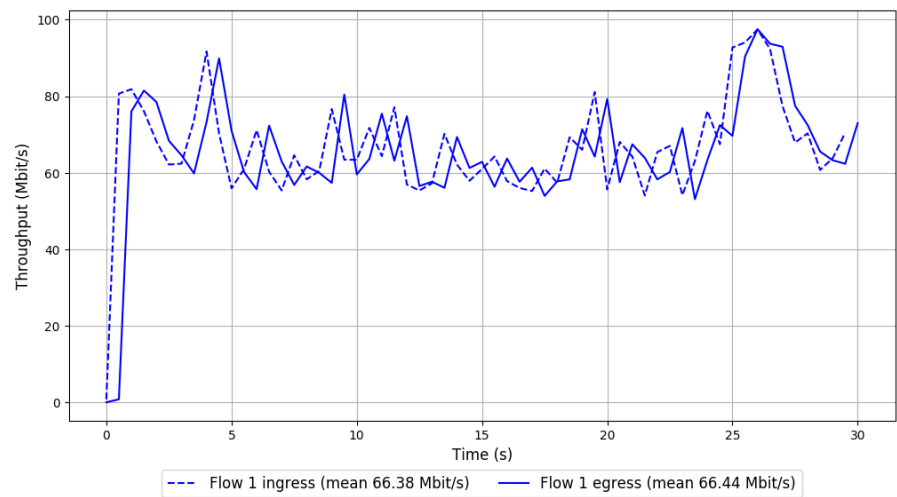


Run 10: Statistics of Verus

Start at: 2018-06-19 04:42:41
End at: 2018-06-19 04:43:11
Local clock offset: 1.876 ms
Remote clock offset: -1.492 ms

Below is generated by plot.py at 2018-06-19 05:13:52
Datalink statistics
-- Total of 1 flow:
Average throughput: 66.44 Mbit/s
95th percentile per-packet one-way delay: 27.451 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 66.44 Mbit/s
95th percentile per-packet one-way delay: 27.451 ms
Loss rate: 0.04%

Run 10: Report of Verus — Data Link

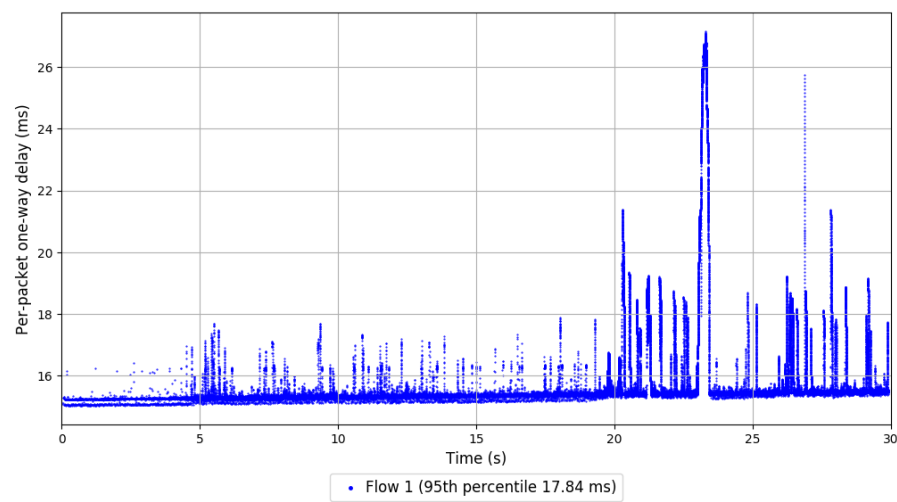
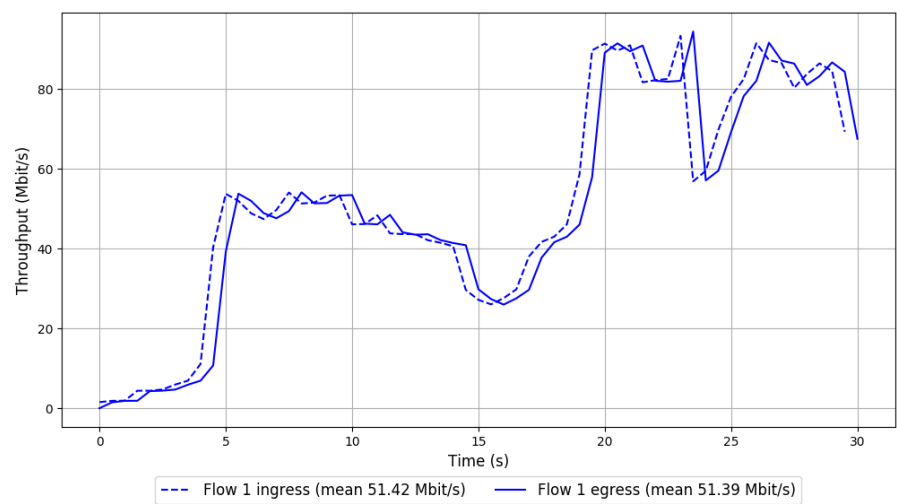


Run 1: Statistics of PCC-Vivace

Start at: 2018-06-19 01:53:29
End at: 2018-06-19 01:53:59
Local clock offset: 1.557 ms
Remote clock offset: -2.604 ms

Below is generated by plot.py at 2018-06-19 05:14:02
Datalink statistics
-- Total of 1 flow:
Average throughput: 51.39 Mbit/s
95th percentile per-packet one-way delay: 17.841 ms
Loss rate: 0.15%
-- Flow 1:
Average throughput: 51.39 Mbit/s
95th percentile per-packet one-way delay: 17.841 ms
Loss rate: 0.15%

Run 1: Report of PCC-Vivace — Data Link



Run 2: Statistics of PCC-Vivace

Start at: 2018-06-19 02:12:20

End at: 2018-06-19 02:12:50

Local clock offset: 2.936 ms

Remote clock offset: 3.041 ms

Below is generated by plot.py at 2018-06-19 05:14:29

Datalink statistics

-- Total of 1 flow:

Average throughput: 75.64 Mbit/s

95th percentile per-packet one-way delay: 20.630 ms

Loss rate: 0.09%

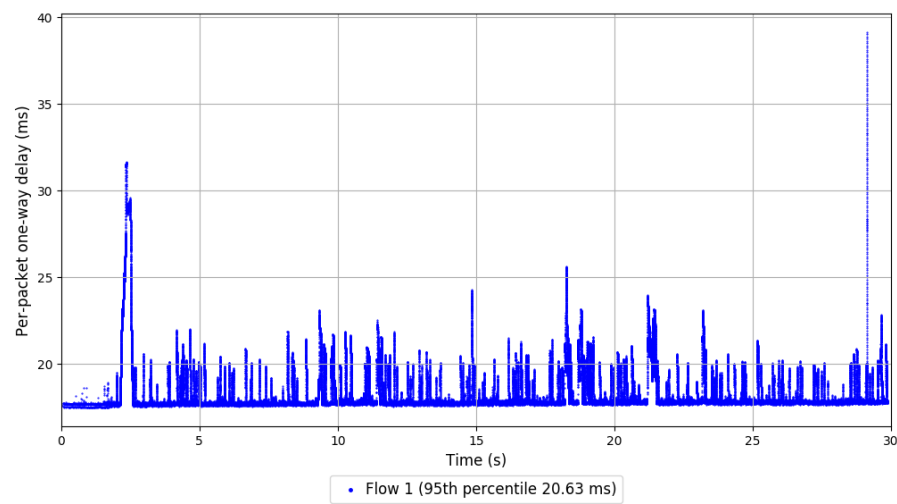
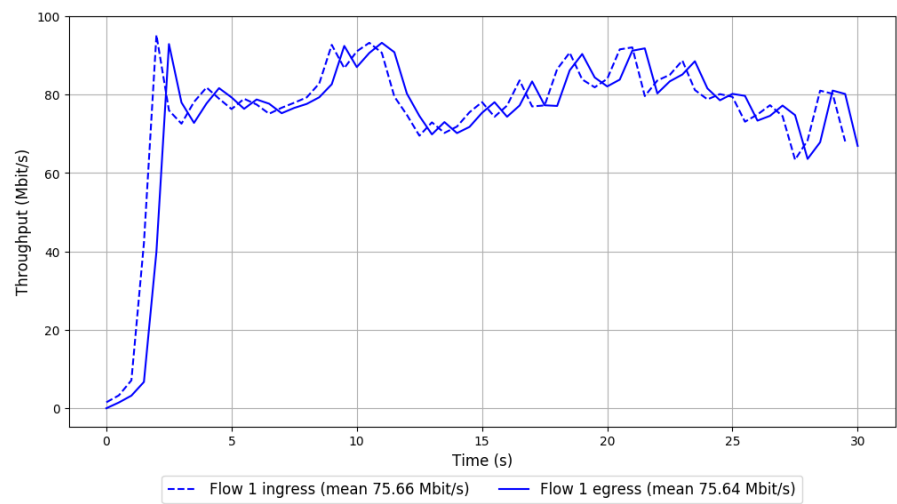
-- Flow 1:

Average throughput: 75.64 Mbit/s

95th percentile per-packet one-way delay: 20.630 ms

Loss rate: 0.09%

Run 2: Report of PCC-Vivace — Data Link

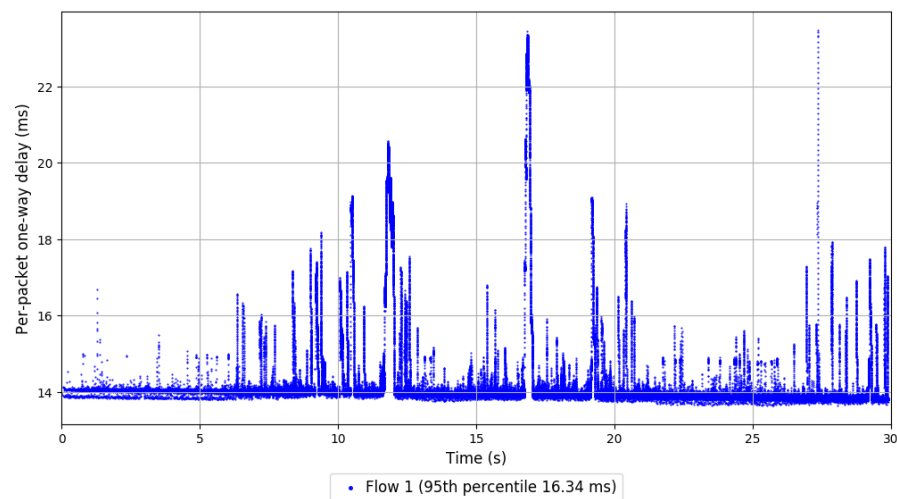
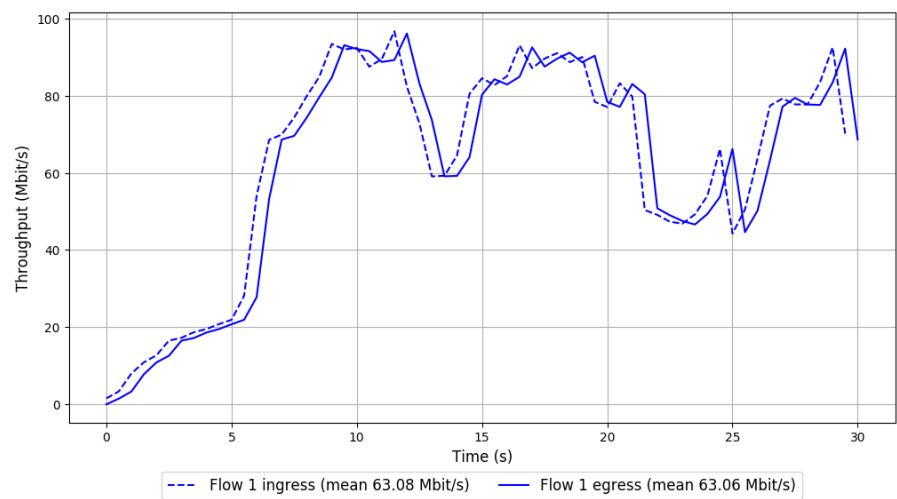


Run 3: Statistics of PCC-Vivace

Start at: 2018-06-19 02:31:40
End at: 2018-06-19 02:32:10
Local clock offset: -0.633 ms
Remote clock offset: -4.167 ms

Below is generated by plot.py at 2018-06-19 05:14:30
Datalink statistics
-- Total of 1 flow:
Average throughput: 63.06 Mbit/s
95th percentile per-packet one-way delay: 16.337 ms
Loss rate: 0.11%
-- Flow 1:
Average throughput: 63.06 Mbit/s
95th percentile per-packet one-way delay: 16.337 ms
Loss rate: 0.11%

Run 3: Report of PCC-Vivace — Data Link



Run 4: Statistics of PCC-Vivace

Start at: 2018-06-19 02:51:07

End at: 2018-06-19 02:51:37

Local clock offset: 1.734 ms

Remote clock offset: -9.828 ms

Below is generated by plot.py at 2018-06-19 05:14:44

Datalink statistics

-- Total of 1 flow:

Average throughput: 75.95 Mbit/s

95th percentile per-packet one-way delay: 17.013 ms

Loss rate: 0.08%

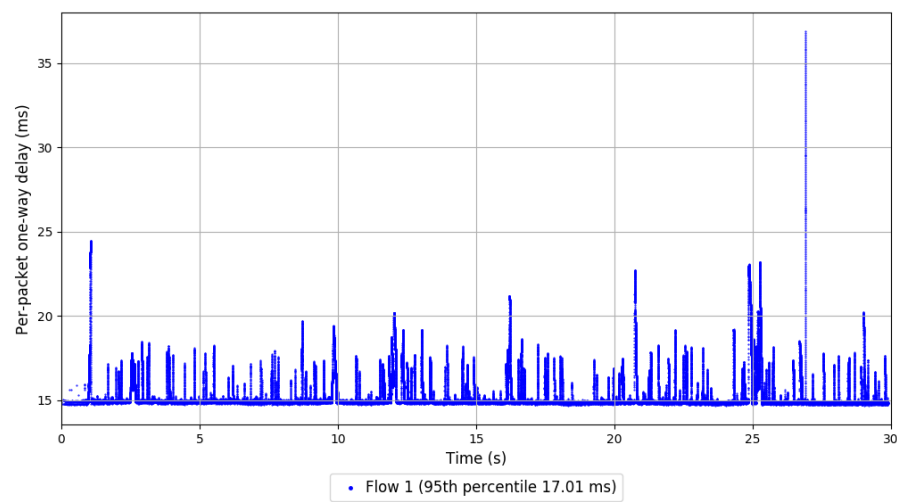
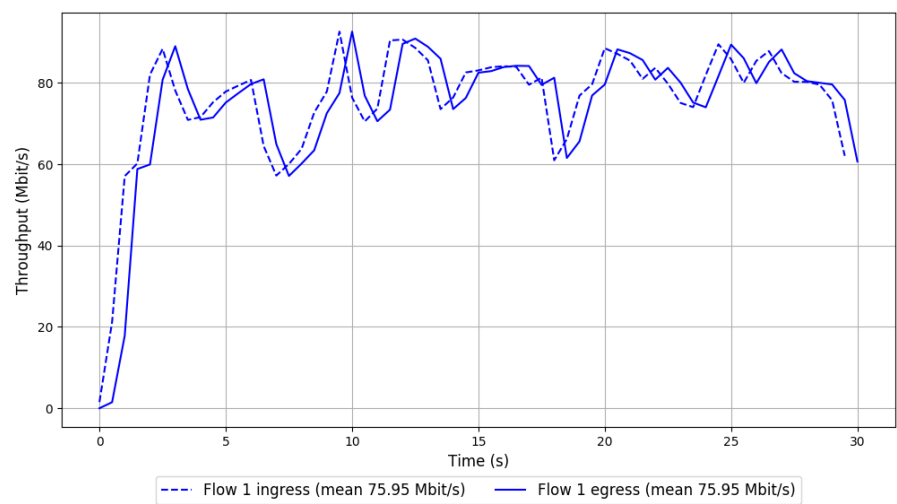
-- Flow 1:

Average throughput: 75.95 Mbit/s

95th percentile per-packet one-way delay: 17.013 ms

Loss rate: 0.08%

Run 4: Report of PCC-Vivace — Data Link

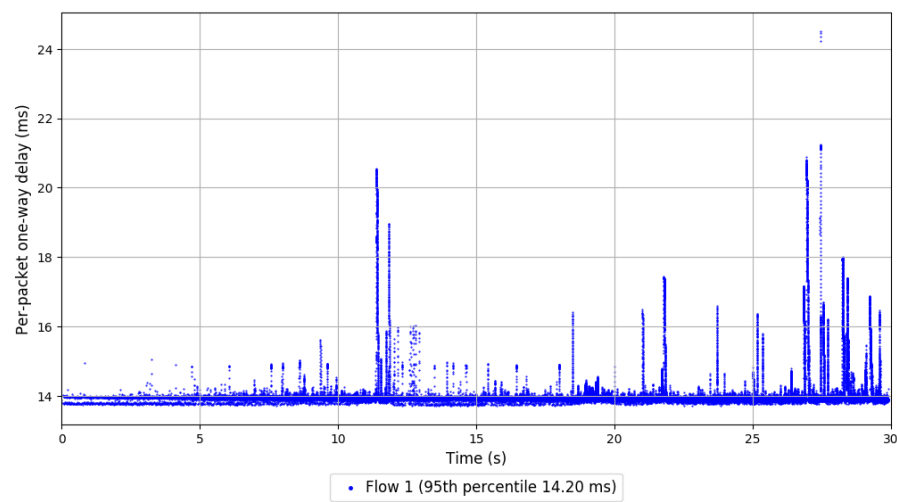
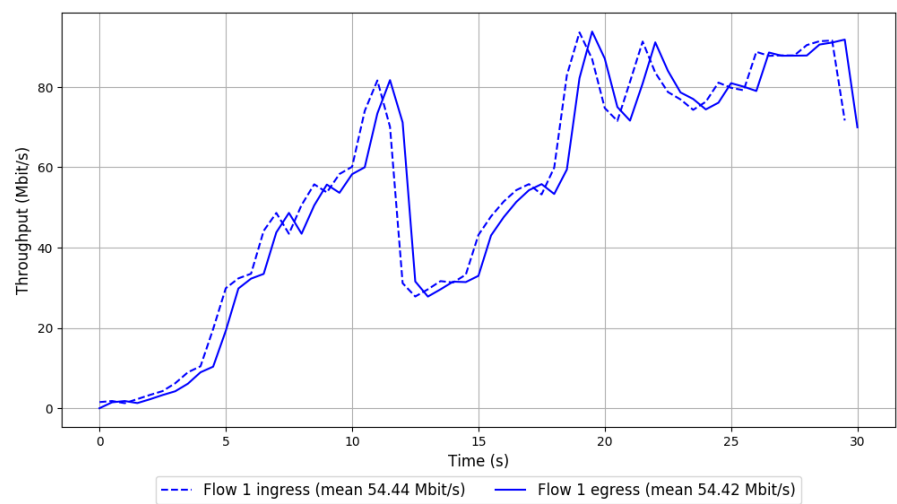


Run 5: Statistics of PCC-Vivace

Start at: 2018-06-19 03:10:15
End at: 2018-06-19 03:10:45
Local clock offset: 1.084 ms
Remote clock offset: -12.568 ms

Below is generated by plot.py at 2018-06-19 05:14:44
Datalink statistics
-- Total of 1 flow:
Average throughput: 54.42 Mbit/s
95th percentile per-packet one-way delay: 14.202 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 54.42 Mbit/s
95th percentile per-packet one-way delay: 14.202 ms
Loss rate: 0.13%

Run 5: Report of PCC-Vivace — Data Link

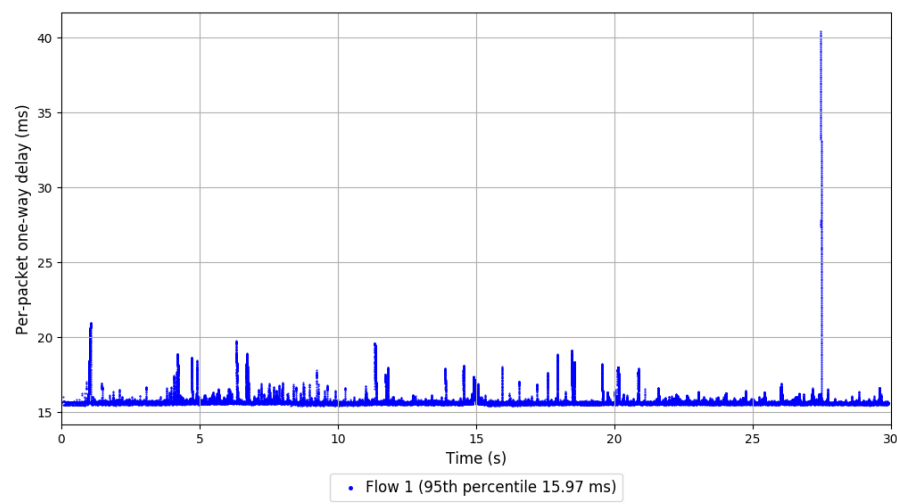
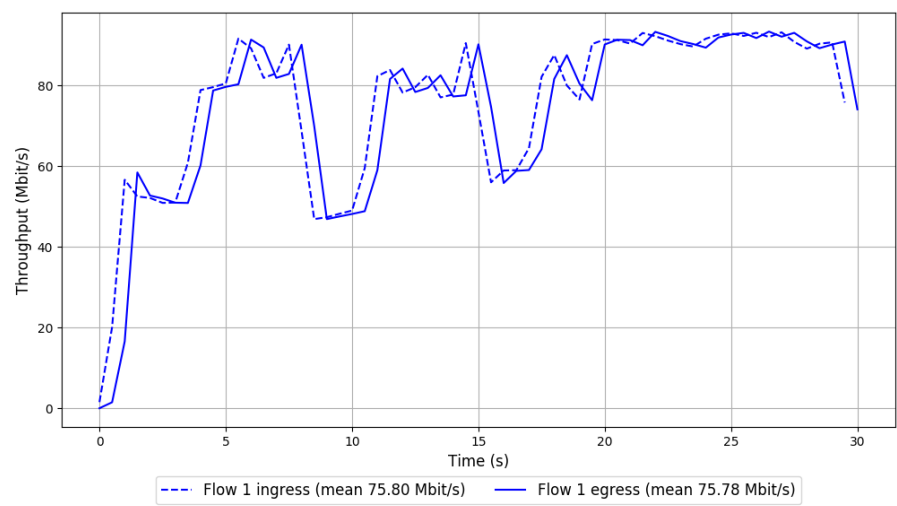


Run 6: Statistics of PCC-Vivace

Start at: 2018-06-19 03:29:15
End at: 2018-06-19 03:29:45
Local clock offset: 2.419 ms
Remote clock offset: -15.723 ms

Below is generated by plot.py at 2018-06-19 05:14:45
Datalink statistics
-- Total of 1 flow:
Average throughput: 75.78 Mbit/s
95th percentile per-packet one-way delay: 15.969 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 75.78 Mbit/s
95th percentile per-packet one-way delay: 15.969 ms
Loss rate: 0.10%

Run 6: Report of PCC-Vivace — Data Link

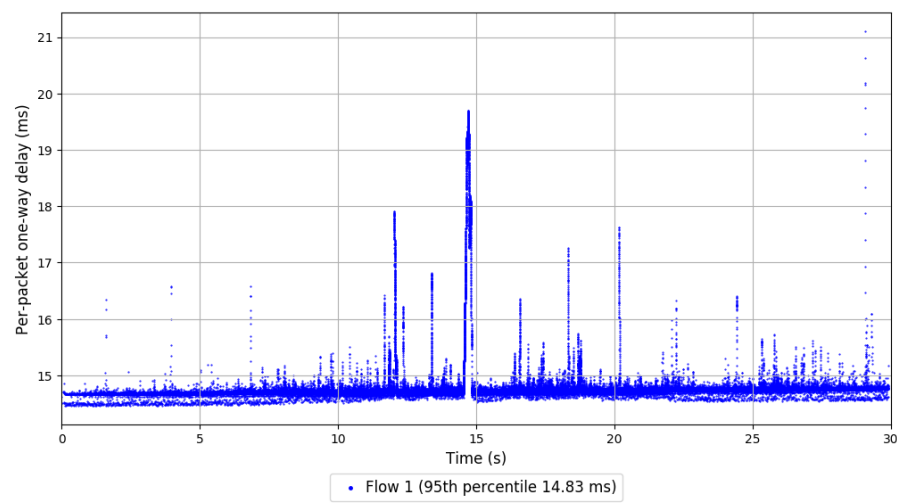
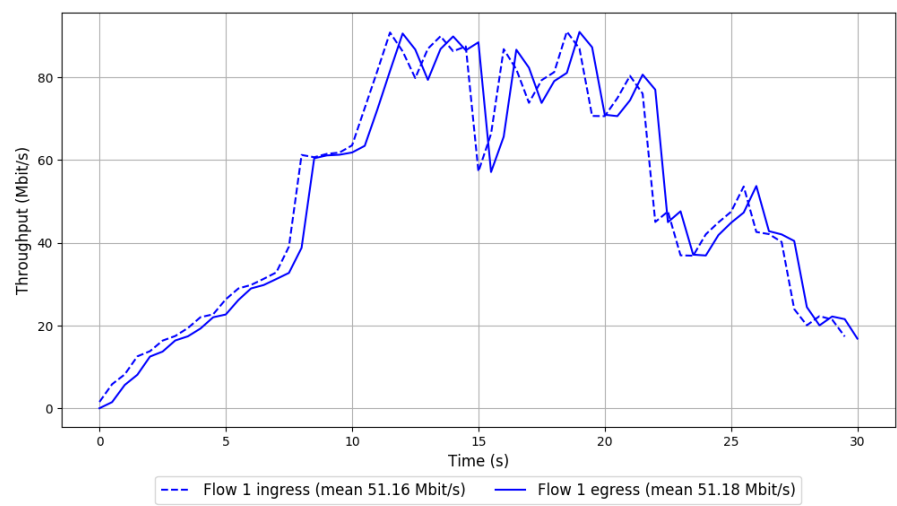


Run 7: Statistics of PCC-Vivace

Start at: 2018-06-19 03:48:30
End at: 2018-06-19 03:49:00
Local clock offset: 0.737 ms
Remote clock offset: -5.504 ms

Below is generated by plot.py at 2018-06-19 05:14:45
Datalink statistics
-- Total of 1 flow:
Average throughput: 51.18 Mbit/s
95th percentile per-packet one-way delay: 14.834 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 51.18 Mbit/s
95th percentile per-packet one-way delay: 14.834 ms
Loss rate: 0.04%

Run 7: Report of PCC-Vivace — Data Link



Run 8: Statistics of PCC-Vivace

Start at: 2018-06-19 04:07:15

End at: 2018-06-19 04:07:45

Local clock offset: 1.219 ms

Remote clock offset: -2.439 ms

Below is generated by plot.py at 2018-06-19 05:14:45

Datalink statistics

-- Total of 1 flow:

Average throughput: 47.68 Mbit/s

95th percentile per-packet one-way delay: 14.837 ms

Loss rate: 0.11%

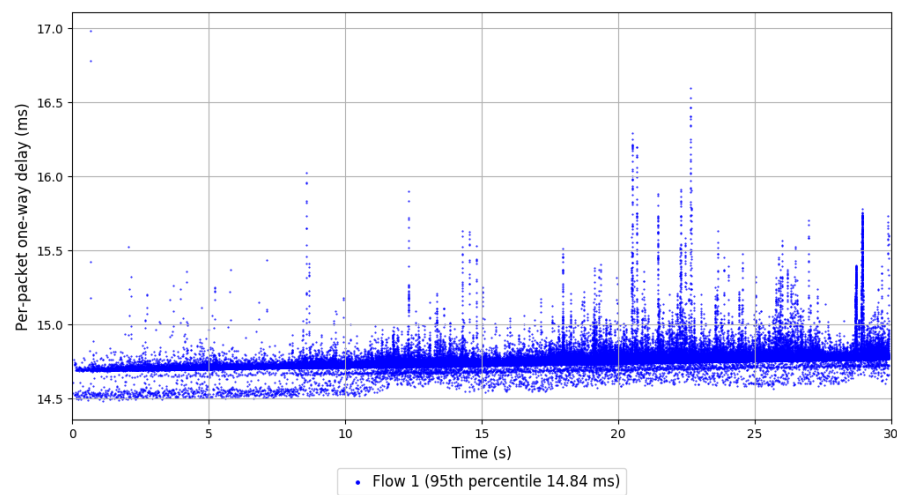
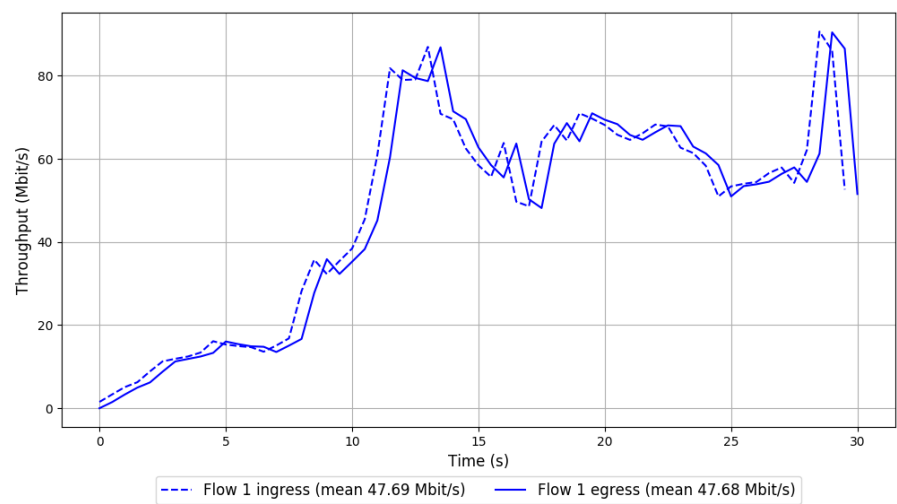
-- Flow 1:

Average throughput: 47.68 Mbit/s

95th percentile per-packet one-way delay: 14.837 ms

Loss rate: 0.11%

Run 8: Report of PCC-Vivace — Data Link



Run 9: Statistics of PCC-Vivace

Start at: 2018-06-19 04:26:08

End at: 2018-06-19 04:26:38

Local clock offset: 2.836 ms

Remote clock offset: -0.429 ms

Below is generated by plot.py at 2018-06-19 05:14:49

Datalink statistics

-- Total of 1 flow:

Average throughput: 63.82 Mbit/s

95th percentile per-packet one-way delay: 16.924 ms

Loss rate: 0.11%

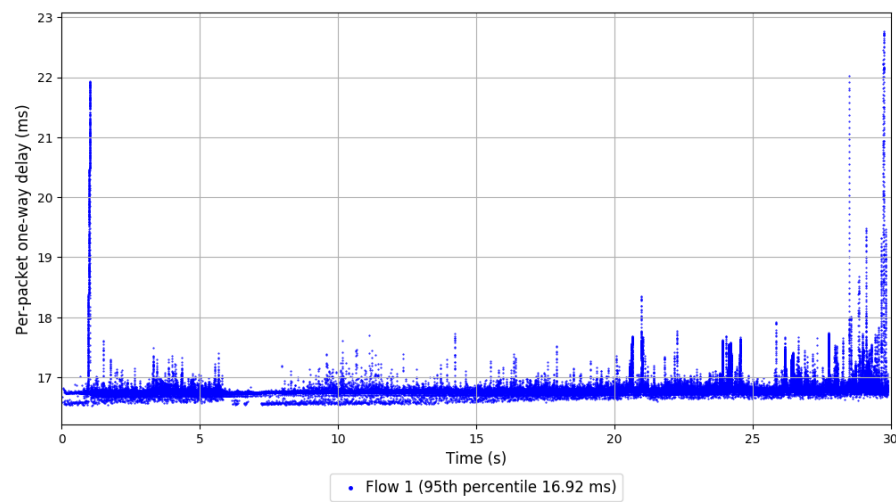
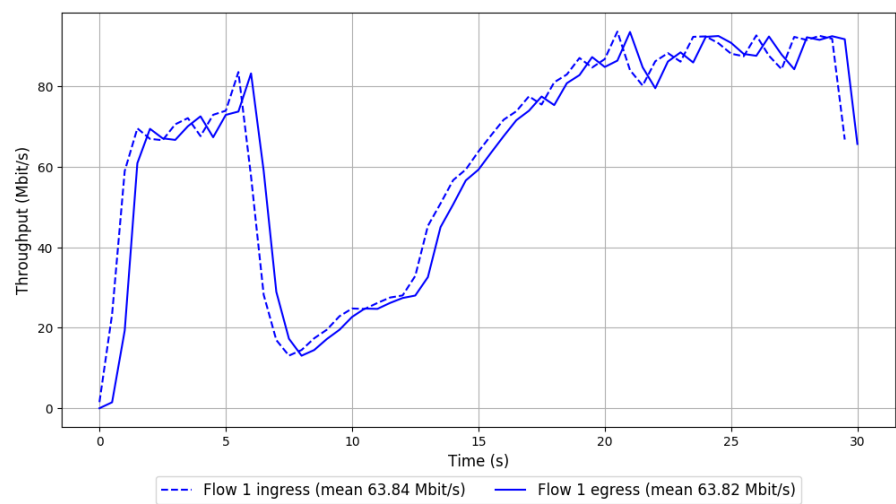
-- Flow 1:

Average throughput: 63.82 Mbit/s

95th percentile per-packet one-way delay: 16.924 ms

Loss rate: 0.11%

Run 9: Report of PCC-Vivace — Data Link



Run 10: Statistics of PCC-Vivace

Start at: 2018-06-19 04:45:05

End at: 2018-06-19 04:45:35

Local clock offset: 2.98 ms

Remote clock offset: -2.116 ms

Below is generated by plot.py at 2018-06-19 05:14:50

Datalink statistics

-- Total of 1 flow:

Average throughput: 47.39 Mbit/s

95th percentile per-packet one-way delay: 26.768 ms

Loss rate: 0.19%

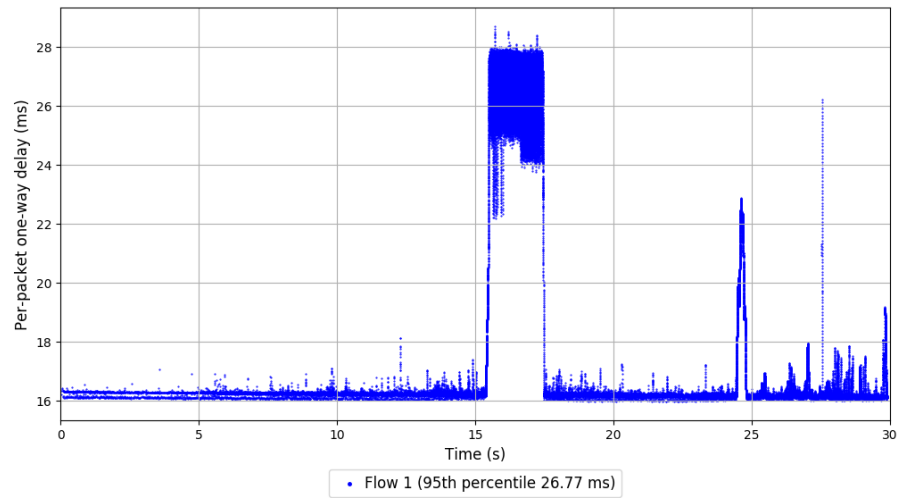
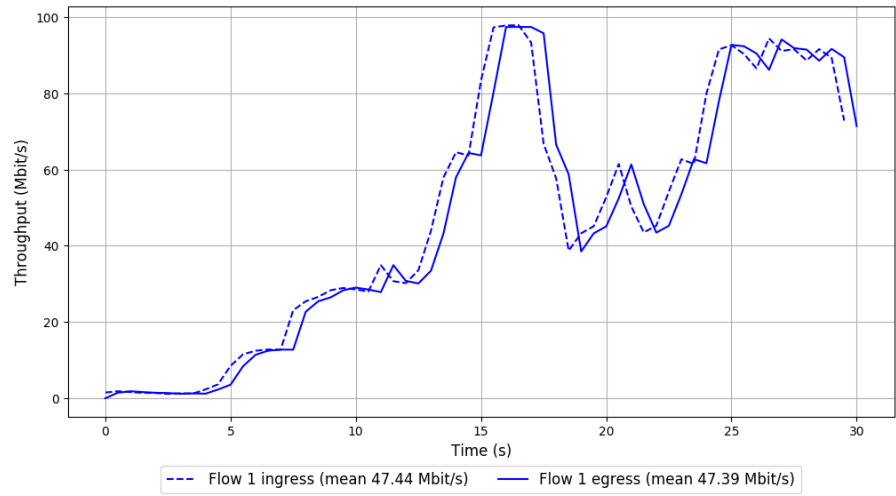
-- Flow 1:

Average throughput: 47.39 Mbit/s

95th percentile per-packet one-way delay: 26.768 ms

Loss rate: 0.19%

Run 10: Report of PCC-Vivace — Data Link

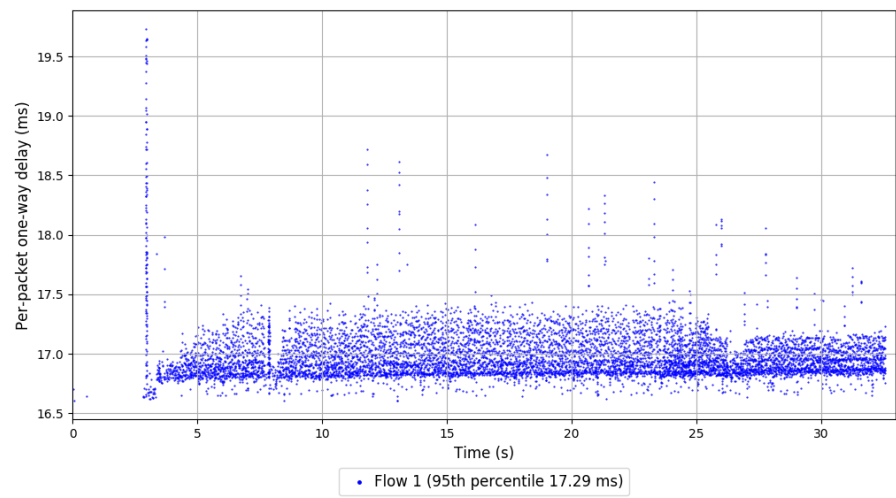
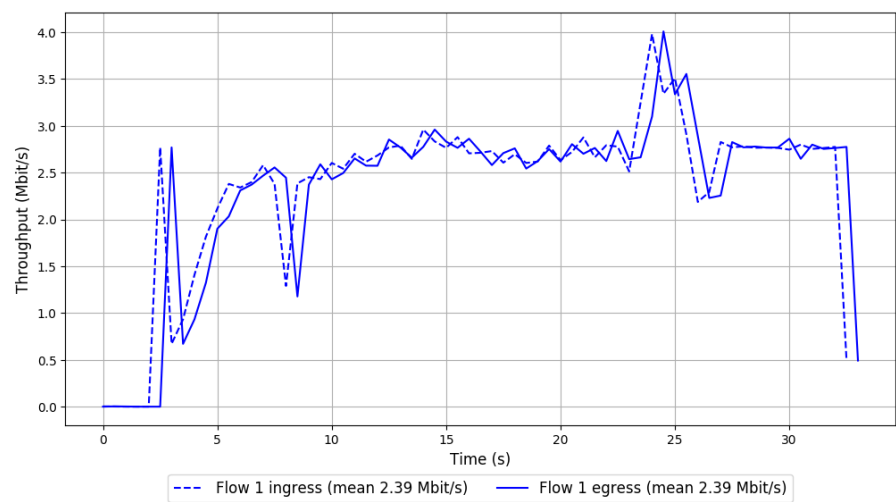


Run 1: Statistics of WebRTC media

Start at: 2018-06-19 01:41:38
End at: 2018-06-19 01:42:08
Local clock offset: 3.94 ms
Remote clock offset: -6.616 ms

Below is generated by plot.py at 2018-06-19 05:14:50
Datalink statistics
-- Total of 1 flow:
Average throughput: 2.39 Mbit/s
95th percentile per-packet one-way delay: 17.294 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 2.39 Mbit/s
95th percentile per-packet one-way delay: 17.294 ms
Loss rate: 0.07%

Run 1: Report of WebRTC media — Data Link



Run 2: Statistics of WebRTC media

Start at: 2018-06-19 02:00:26

End at: 2018-06-19 02:00:56

Local clock offset: 2.068 ms

Remote clock offset: 1.666 ms

Below is generated by plot.py at 2018-06-19 05:14:50

Datalink statistics

-- Total of 1 flow:

Average throughput: 2.40 Mbit/s

95th percentile per-packet one-way delay: 14.817 ms

Loss rate: 0.13%

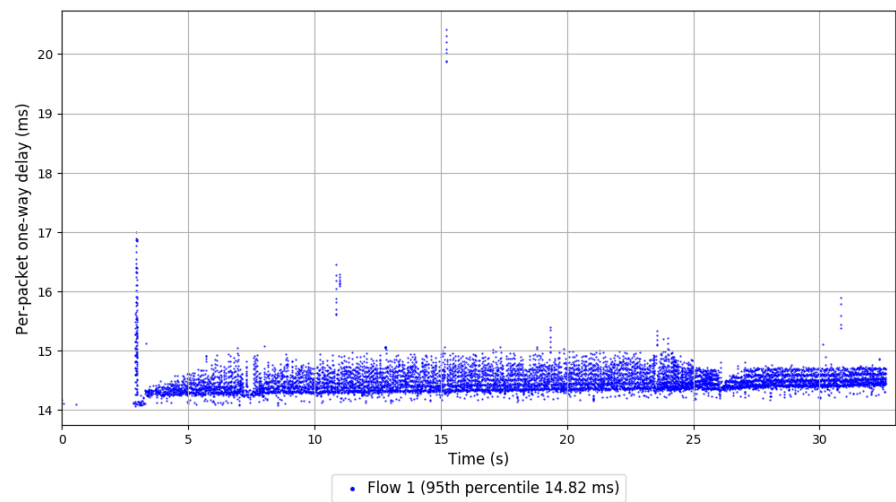
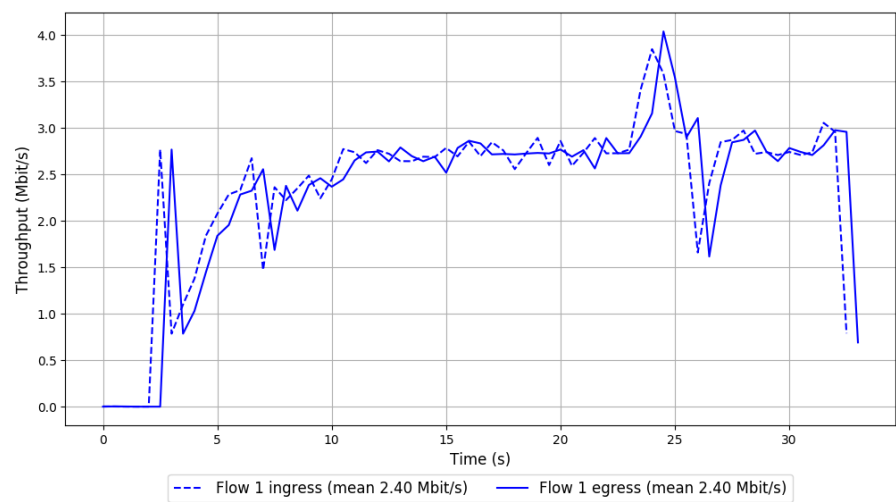
-- Flow 1:

Average throughput: 2.40 Mbit/s

95th percentile per-packet one-way delay: 14.817 ms

Loss rate: 0.13%

Run 2: Report of WebRTC media — Data Link



Run 3: Statistics of WebRTC media

Start at: 2018-06-19 02:19:18

End at: 2018-06-19 02:19:48

Local clock offset: 0.295 ms

Remote clock offset: 0.827 ms

Below is generated by plot.py at 2018-06-19 05:14:50

Datalink statistics

-- Total of 1 flow:

Average throughput: 2.68 Mbit/s

95th percentile per-packet one-way delay: 19.427 ms

Loss rate: 0.17%

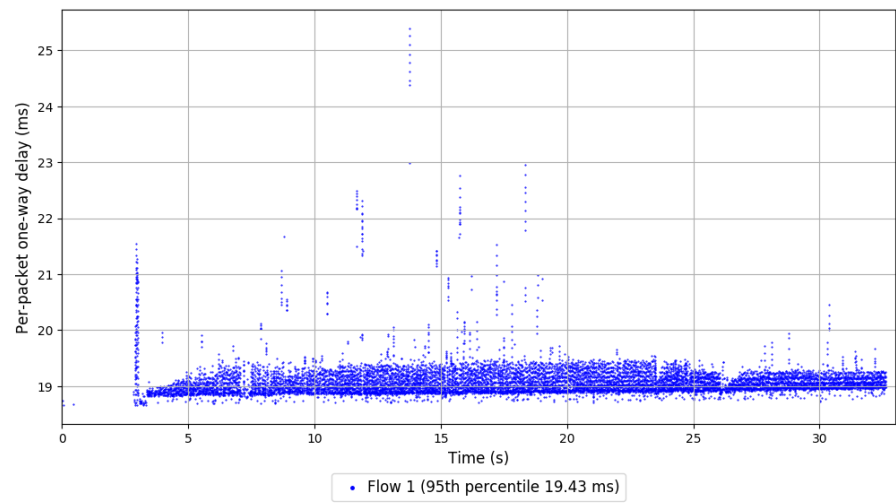
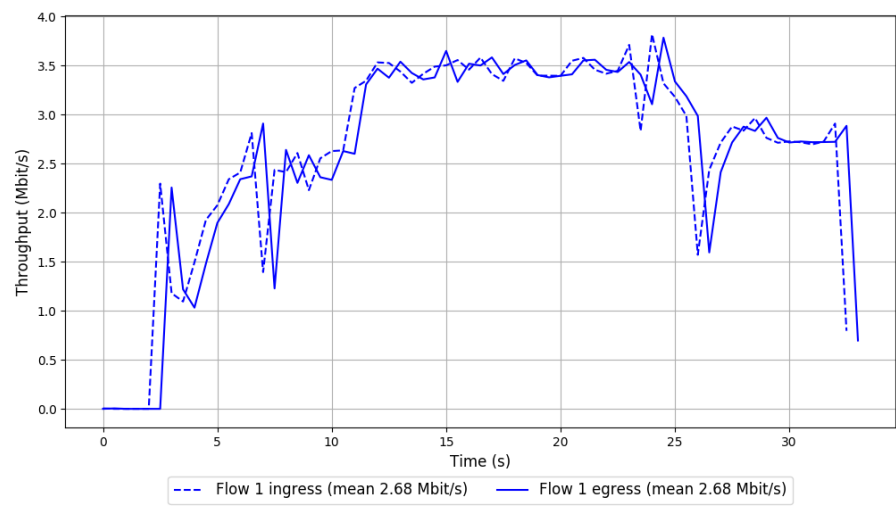
-- Flow 1:

Average throughput: 2.68 Mbit/s

95th percentile per-packet one-way delay: 19.427 ms

Loss rate: 0.17%

Run 3: Report of WebRTC media — Data Link

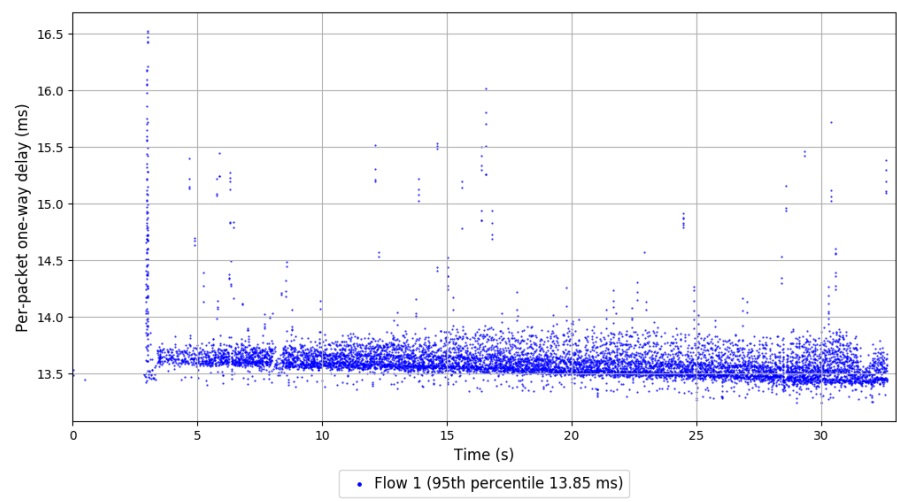
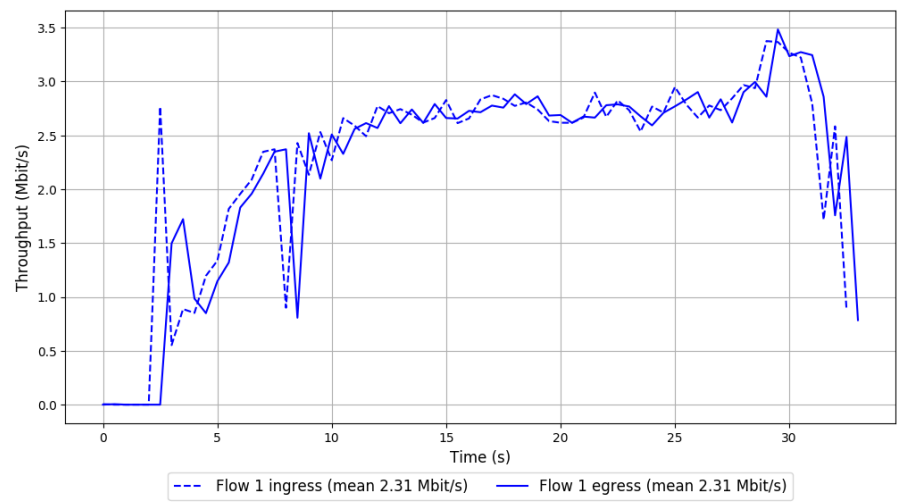


Run 4: Statistics of WebRTC media

Start at: 2018-06-19 02:39:04
End at: 2018-06-19 02:39:34
Local clock offset: 0.197 ms
Remote clock offset: -6.647 ms

Below is generated by plot.py at 2018-06-19 05:14:50
Datalink statistics
-- Total of 1 flow:
Average throughput: 2.31 Mbit/s
95th percentile per-packet one-way delay: 13.845 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 2.31 Mbit/s
95th percentile per-packet one-way delay: 13.845 ms
Loss rate: 0.13%

Run 4: Report of WebRTC media — Data Link

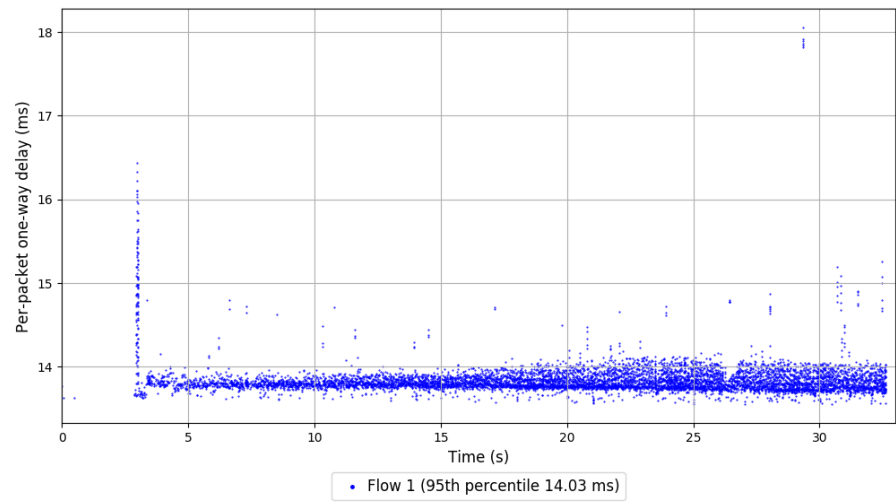
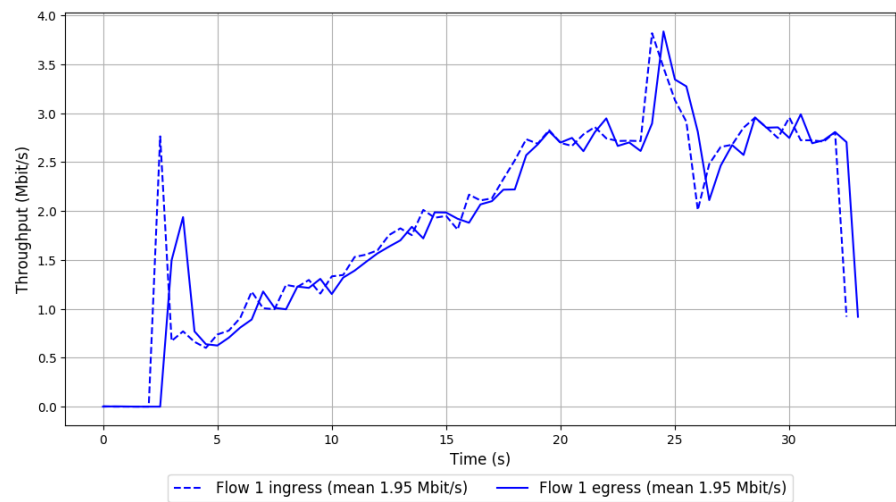


Run 5: Statistics of WebRTC media

Start at: 2018-06-19 02:58:13
End at: 2018-06-19 02:58:43
Local clock offset: 1.254 ms
Remote clock offset: -10.522 ms

Below is generated by plot.py at 2018-06-19 05:14:50
Datalink statistics
-- Total of 1 flow:
Average throughput: 1.95 Mbit/s
95th percentile per-packet one-way delay: 14.034 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 1.95 Mbit/s
95th percentile per-packet one-way delay: 14.034 ms
Loss rate: 0.08%

Run 5: Report of WebRTC media — Data Link

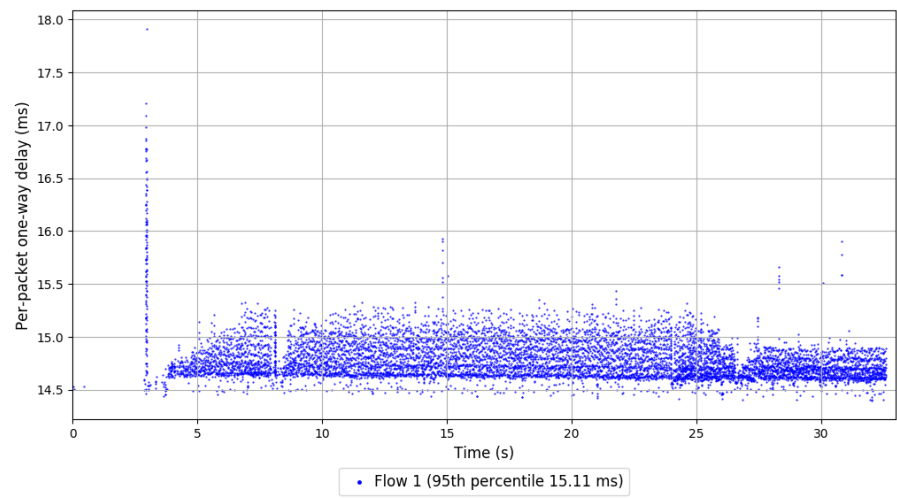
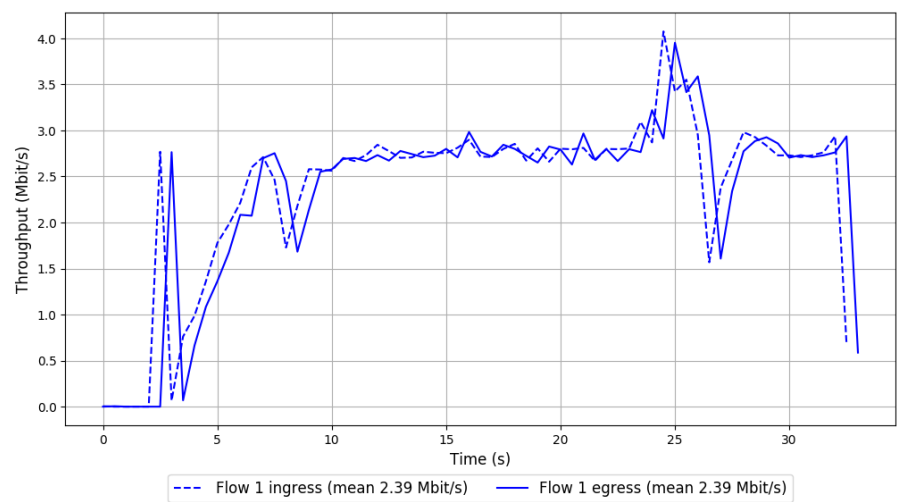


Run 6: Statistics of WebRTC media

Start at: 2018-06-19 03:17:21
End at: 2018-06-19 03:17:51
Local clock offset: 1.614 ms
Remote clock offset: -13.714 ms

Below is generated by plot.py at 2018-06-19 05:14:50
Datalink statistics
-- Total of 1 flow:
Average throughput: 2.39 Mbit/s
95th percentile per-packet one-way delay: 15.114 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 2.39 Mbit/s
95th percentile per-packet one-way delay: 15.114 ms
Loss rate: 0.13%

Run 6: Report of WebRTC media — Data Link

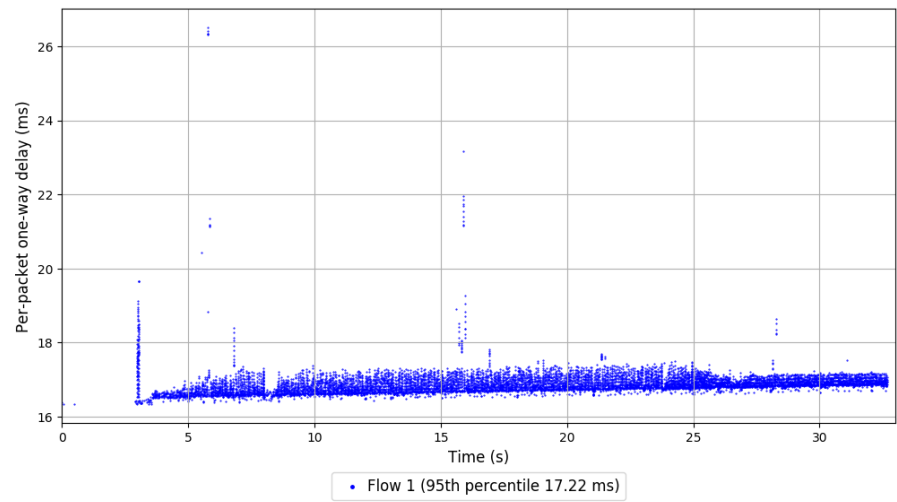
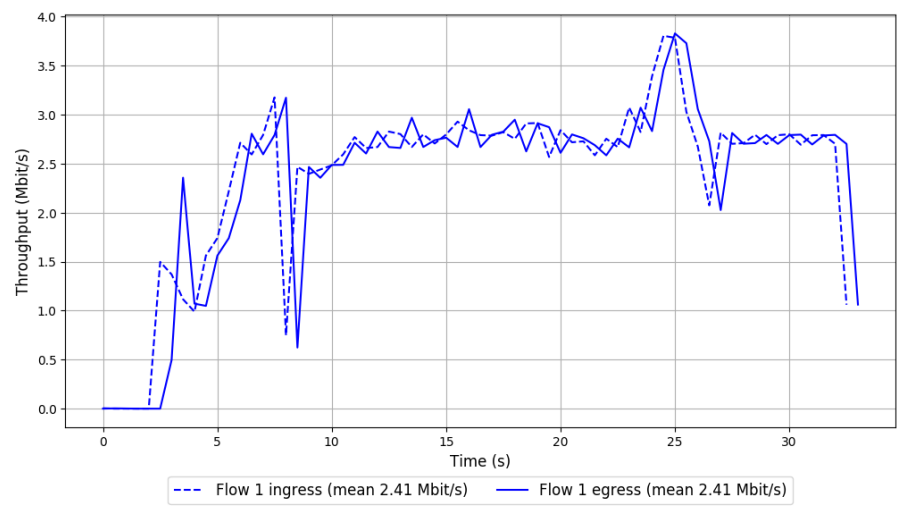


Run 7: Statistics of WebRTC media

Start at: 2018-06-19 03:36:23
End at: 2018-06-19 03:36:53
Local clock offset: 3.054 ms
Remote clock offset: -9.946 ms

Below is generated by plot.py at 2018-06-19 05:14:50
Datalink statistics
-- Total of 1 flow:
Average throughput: 2.41 Mbit/s
95th percentile per-packet one-way delay: 17.224 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 2.41 Mbit/s
95th percentile per-packet one-way delay: 17.224 ms
Loss rate: 0.06%

Run 7: Report of WebRTC media — Data Link

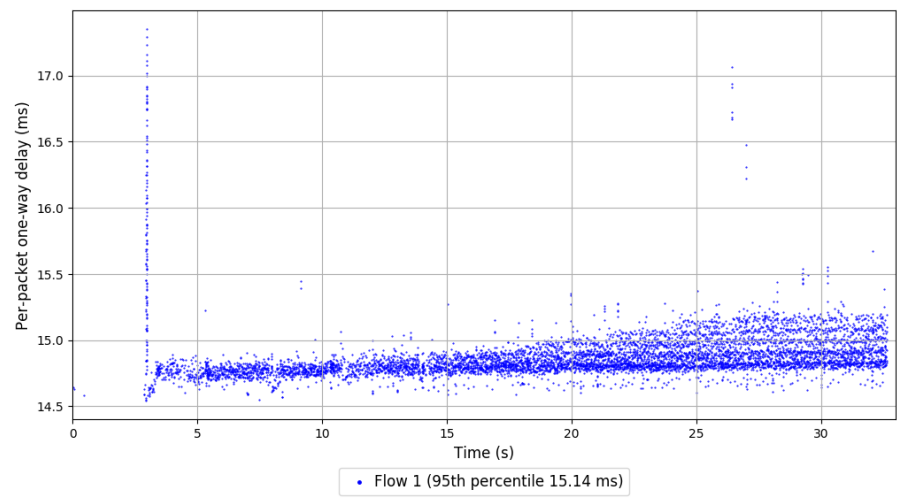
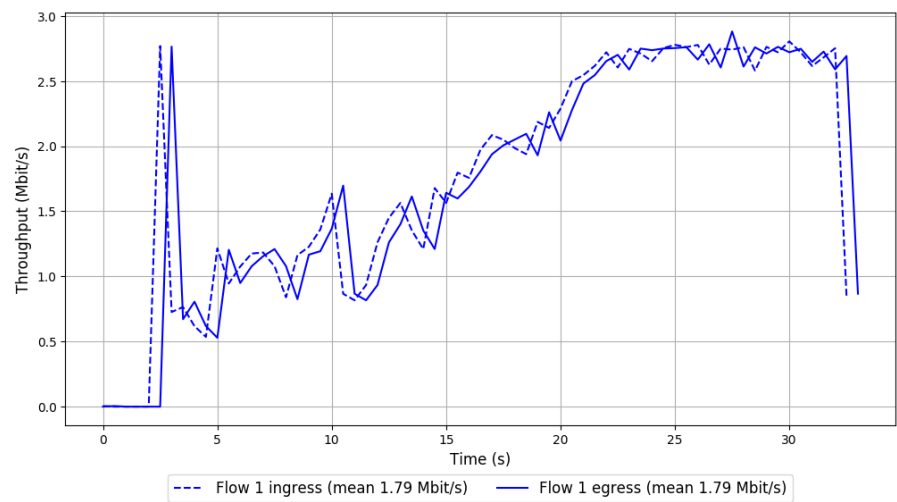


Run 8: Statistics of WebRTC media

Start at: 2018-06-19 03:55:18
End at: 2018-06-19 03:55:48
Local clock offset: 0.788 ms
Remote clock offset: -4.387 ms

Below is generated by plot.py at 2018-06-19 05:14:50
Datalink statistics
-- Total of 1 flow:
Average throughput: 1.79 Mbit/s
95th percentile per-packet one-way delay: 15.141 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 1.79 Mbit/s
95th percentile per-packet one-way delay: 15.141 ms
Loss rate: 0.13%

Run 8: Report of WebRTC media — Data Link

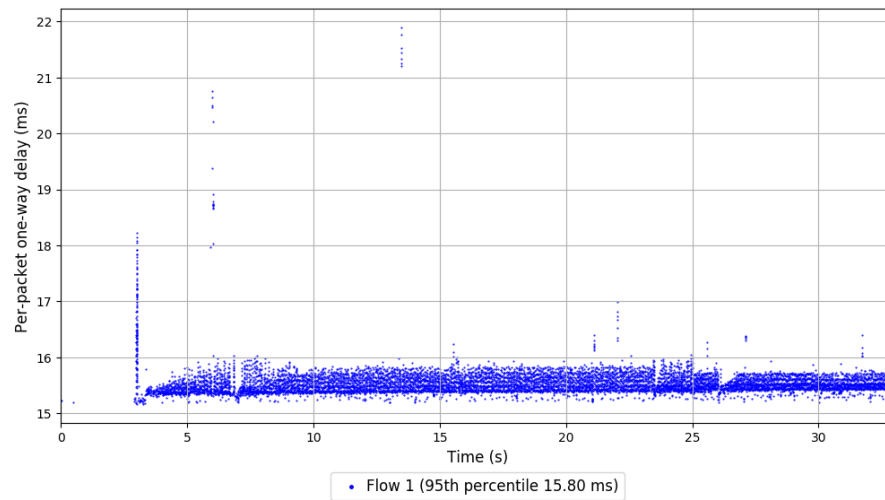
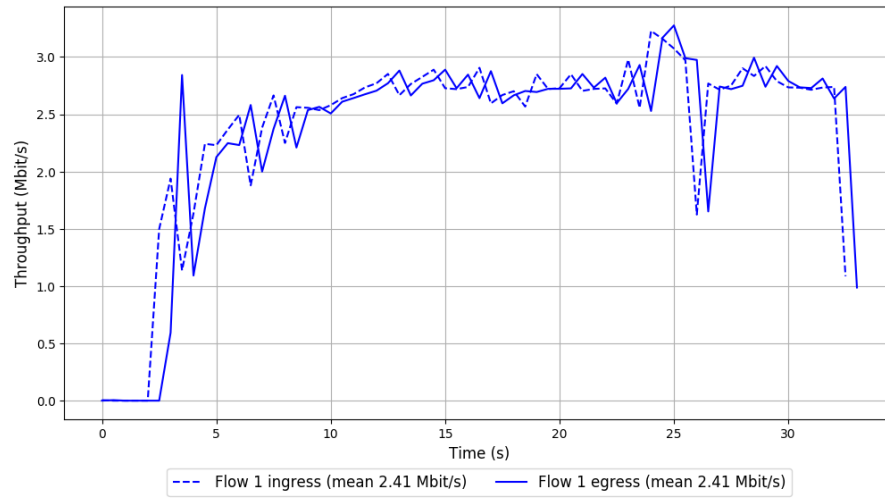


Run 9: Statistics of WebRTC media

Start at: 2018-06-19 04:14:09
End at: 2018-06-19 04:14:39
Local clock offset: 1.434 ms
Remote clock offset: -1.776 ms

Below is generated by plot.py at 2018-06-19 05:14:50
Datalink statistics
-- Total of 1 flow:
Average throughput: 2.41 Mbit/s
95th percentile per-packet one-way delay: 15.802 ms
Loss rate: 0.12%
-- Flow 1:
Average throughput: 2.41 Mbit/s
95th percentile per-packet one-way delay: 15.802 ms
Loss rate: 0.12%

Run 9: Report of WebRTC media — Data Link



Run 10: Statistics of WebRTC media

Start at: 2018-06-19 04:33:06

End at: 2018-06-19 04:33:36

Local clock offset: 3.26 ms

Remote clock offset: 1.709 ms

Below is generated by plot.py at 2018-06-19 05:14:50

Datalink statistics

-- Total of 1 flow:

Average throughput: 2.38 Mbit/s

95th percentile per-packet one-way delay: 16.195 ms

Loss rate: 0.06%

-- Flow 1:

Average throughput: 2.38 Mbit/s

95th percentile per-packet one-way delay: 16.195 ms

Loss rate: 0.06%

Run 10: Report of WebRTC media — Data Link

