

Pantheon Report

Generated at 2018-08-09 21:03:53 (UTC).

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

Repeated the test of 17 congestion control schemes 10 times.

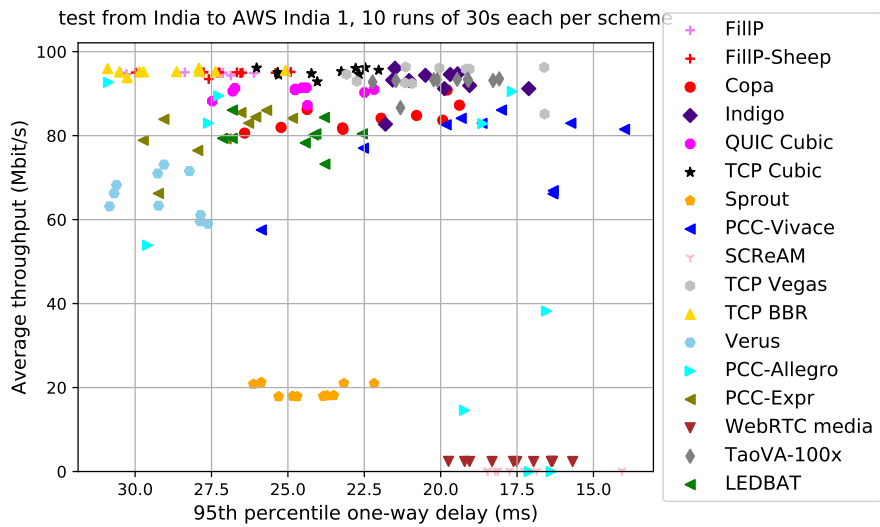
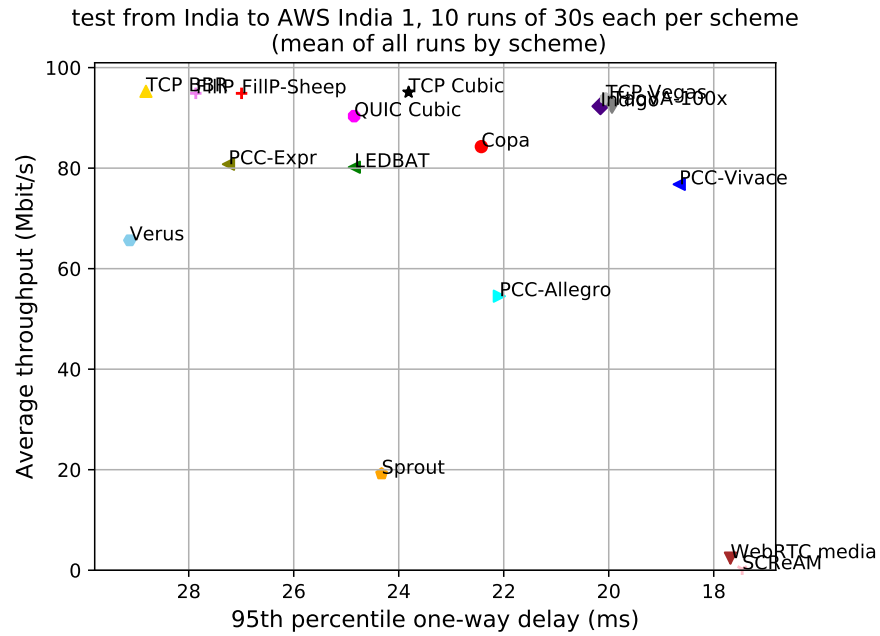
Each test lasted for 30 seconds running 1 flow.

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

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

Git summary:

```
branch: master @ 7772df3413f4b07ba0096dfdd8e9d4c6dca623e3
third_party/fillp @ d47f4fa1b454a5e3c0537115c5a28436dbd4b834
third_party/fillp-sheep @ daed0c84f98531712514b2231f43ec6901114ffe
third_party/genericCC @ d0153f8e594aa89e93b032143cedbdf5e58e562f4
third_party/indigo @ 2601c92e4aa9d58d38dc4dfe0ecdbf90c077e64d
third_party/libutp @ b3465b942e2826f2b179eaab4a906ce6bb7cf3cf
third_party/pantheon-tunnel @ 6f038ed31259d366f9840f65b82cbe8f464b1b39
third_party/pcc @ 1afc958fa0d66d18b623c091a55fec872b4981e1
M receiver/src/buffer.h
M receiver/src/core.cpp
M sender/src/buffer.h
M sender/src/core.cpp
third_party/pcc-experimental @ cd43e34e3f5f5613e8acd08fab92c4eb24f974ab
third_party/proto-quick @ 77961f1a82733a86b42f1bc8143ebc978f3cff42
third_party/scream-reproduce @ f099118d1421aa3131bf11ff1964974e1da3bdb2
M src/ScreamClient
M src/ScreamServer
third_party/sprout @ 366e35c6178b01e31d4a46ad18c74f9415f19a26
third_party/verus @ d4b447ea74c6c60a261149af2629562939f9a494
M src/verus.hpp
M tools/plot.py
third_party/vivace @ 2baf86211435ae071a32f96b7d8c504587f5d7f4
third_party/webrtc @ 3f0cc2a9061a41b6f9dde4735770d143a1fa2851
```



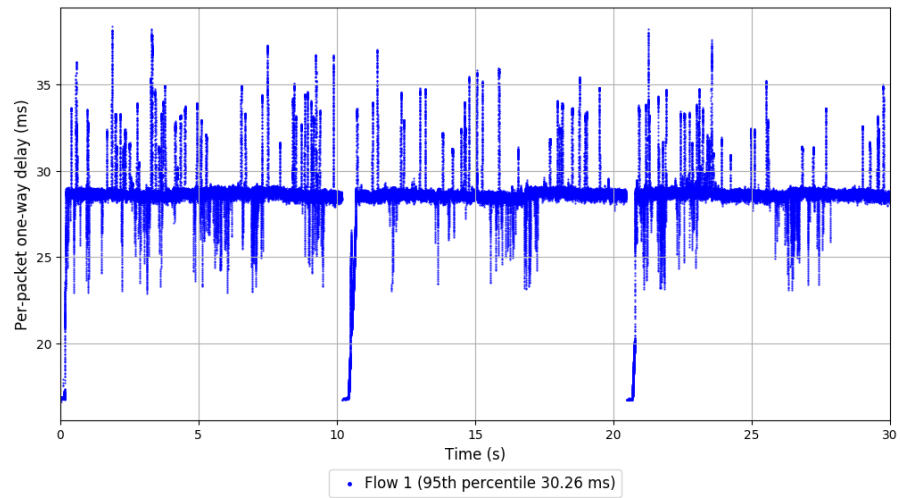
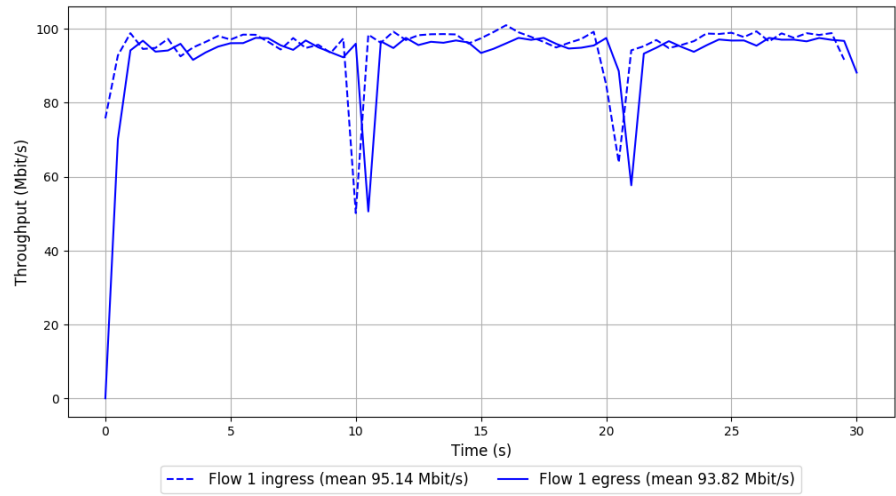
scheme	# runs	mean avg tput (Mbit/s) flow 1	mean 95th-%ile delay (ms) flow 1	mean loss rate (%) flow 1
TCP BBR	10	95.28	28.81	2.44
Copa	10	84.28	22.43	0.08
TCP Cubic	10	95.10	23.81	0.10
FillP	10	94.88	27.87	0.12
FillP-Sheep	10	94.88	26.99	0.13
Indigo	10	92.31	20.16	0.08
LEDBAT	9	80.18	24.85	0.10
PCC-Allegro	10	54.52	22.08	0.19
PCC-Expr	10	80.78	27.24	0.12
QUIC Cubic	10	90.34	24.85	0.11
SCReAM	10	0.20	17.46	0.08
Sprout	10	19.20	24.33	0.12
TaoVA-100x	10	92.58	19.94	0.08
TCP Vegas	10	93.80	20.06	0.09
Verus	10	65.64	29.13	0.11
PCC-Vivace	10	76.78	18.66	0.10
WebRTC media	10	2.40	17.68	0.06

Run 1: Statistics of TCP BBR

Start at: 2018-08-09 17:27:16
End at: 2018-08-09 17:27:46
Local clock offset: -1.293 ms
Remote clock offset: -7.129 ms

Below is generated by plot.py at 2018-08-09 20:43:16
Datalink statistics
-- Total of 1 flow:
Average throughput: 93.82 Mbit/s
95th percentile per-packet one-way delay: 30.258 ms
Loss rate: 1.47%
-- Flow 1:
Average throughput: 93.82 Mbit/s
95th percentile per-packet one-way delay: 30.258 ms
Loss rate: 1.47%

Run 1: Report of TCP BBR — Data Link

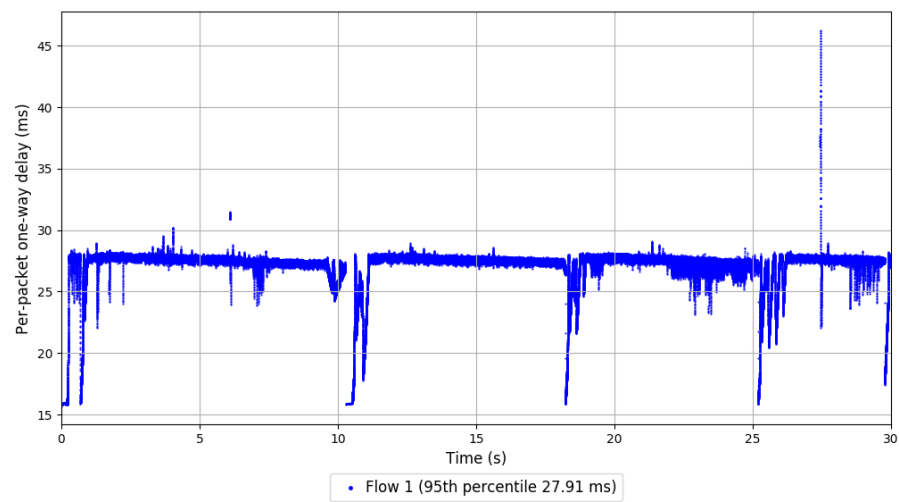
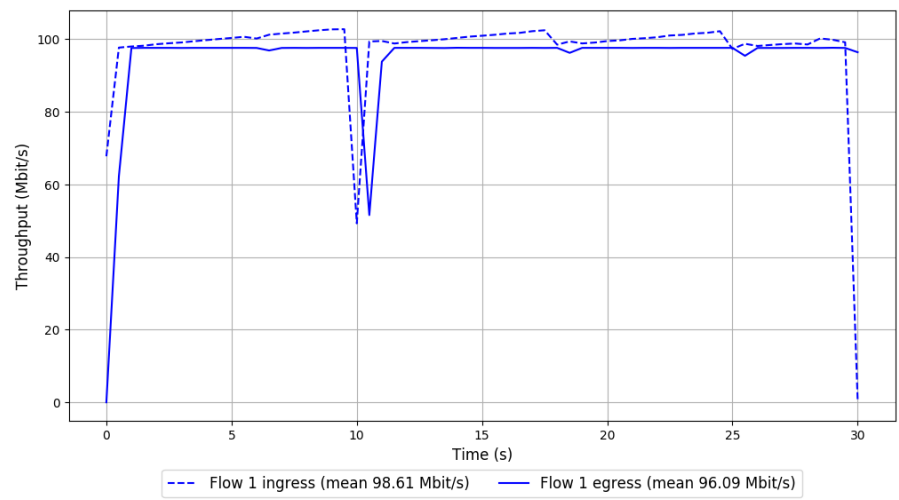


Run 2: Statistics of TCP BBR

Start at: 2018-08-09 17:46:54
End at: 2018-08-09 17:47:24
Local clock offset: -1.769 ms
Remote clock offset: -7.113 ms

Below is generated by plot.py at 2018-08-09 20:43:20
Datalink statistics
-- Total of 1 flow:
Average throughput: 96.09 Mbit/s
95th percentile per-packet one-way delay: 27.913 ms
Loss rate: 2.64%
-- Flow 1:
Average throughput: 96.09 Mbit/s
95th percentile per-packet one-way delay: 27.913 ms
Loss rate: 2.64%

Run 2: Report of TCP BBR — Data Link

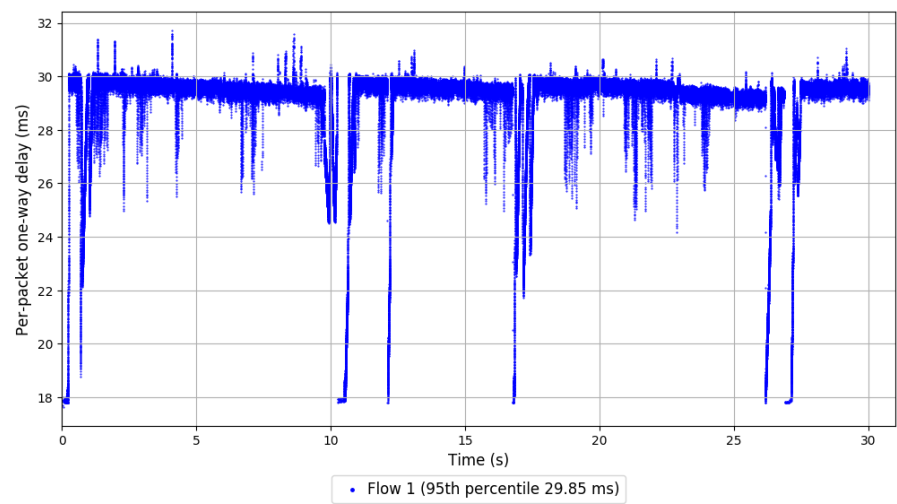
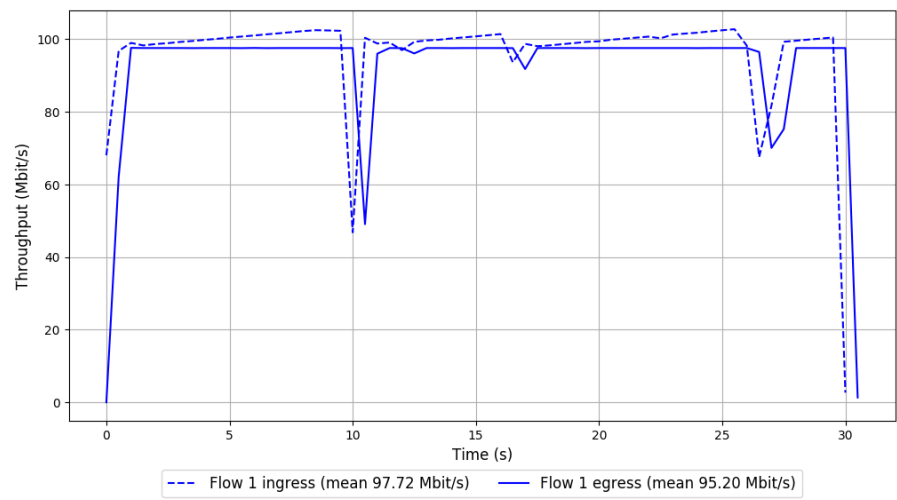


Run 3: Statistics of TCP BBR

Start at: 2018-08-09 18:06:55
End at: 2018-08-09 18:07:25
Local clock offset: -1.017 ms
Remote clock offset: -8.642 ms

Below is generated by plot.py at 2018-08-09 20:43:20
Datalink statistics
-- Total of 1 flow:
Average throughput: 95.20 Mbit/s
95th percentile per-packet one-way delay: 29.854 ms
Loss rate: 2.66%
-- Flow 1:
Average throughput: 95.20 Mbit/s
95th percentile per-packet one-way delay: 29.854 ms
Loss rate: 2.66%

Run 3: Report of TCP BBR — Data Link

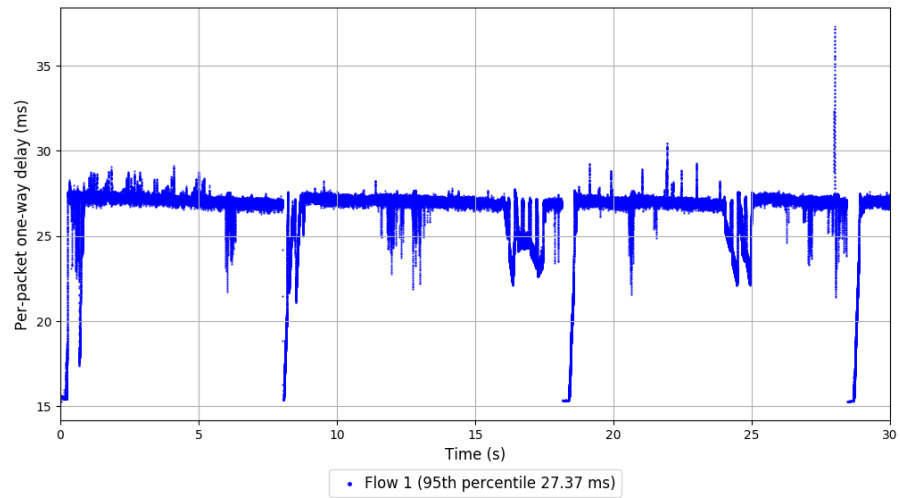
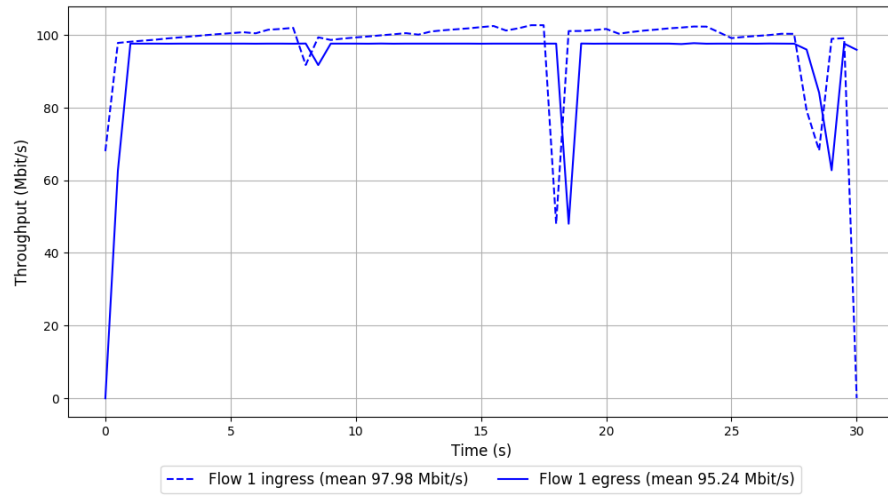


Run 4: Statistics of TCP BBR

Start at: 2018-08-09 18:26:46
End at: 2018-08-09 18:27:16
Local clock offset: -1.751 ms
Remote clock offset: -8.761 ms

Below is generated by plot.py at 2018-08-09 20:43:20
Datalink statistics
-- Total of 1 flow:
Average throughput: 95.24 Mbit/s
95th percentile per-packet one-way delay: 27.368 ms
Loss rate: 2.87%
-- Flow 1:
Average throughput: 95.24 Mbit/s
95th percentile per-packet one-way delay: 27.368 ms
Loss rate: 2.87%

Run 4: Report of TCP BBR — Data Link

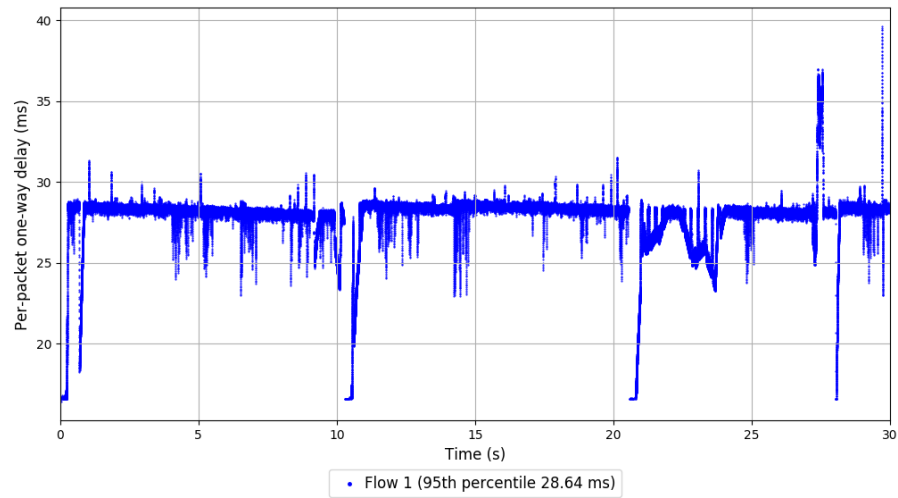
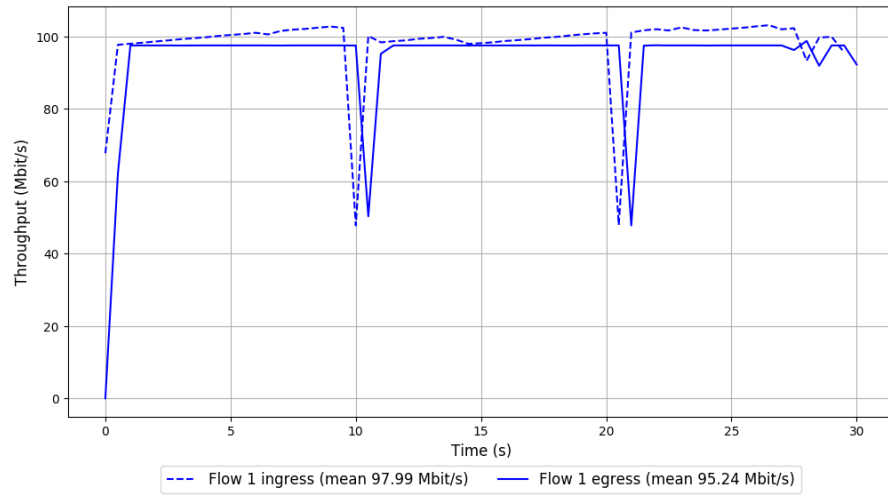


Run 5: Statistics of TCP BBR

Start at: 2018-08-09 18:46:52
End at: 2018-08-09 18:47:22
Local clock offset: -0.429 ms
Remote clock offset: -11.998 ms

Below is generated by plot.py at 2018-08-09 20:43:20
Datalink statistics
-- Total of 1 flow:
Average throughput: 95.24 Mbit/s
95th percentile per-packet one-way delay: 28.642 ms
Loss rate: 2.88%
-- Flow 1:
Average throughput: 95.24 Mbit/s
95th percentile per-packet one-way delay: 28.642 ms
Loss rate: 2.88%

Run 5: Report of TCP BBR — Data Link

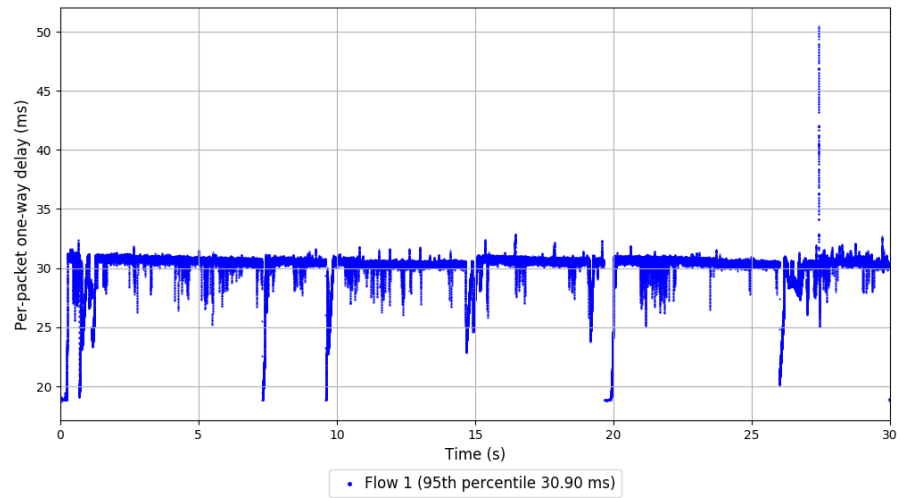
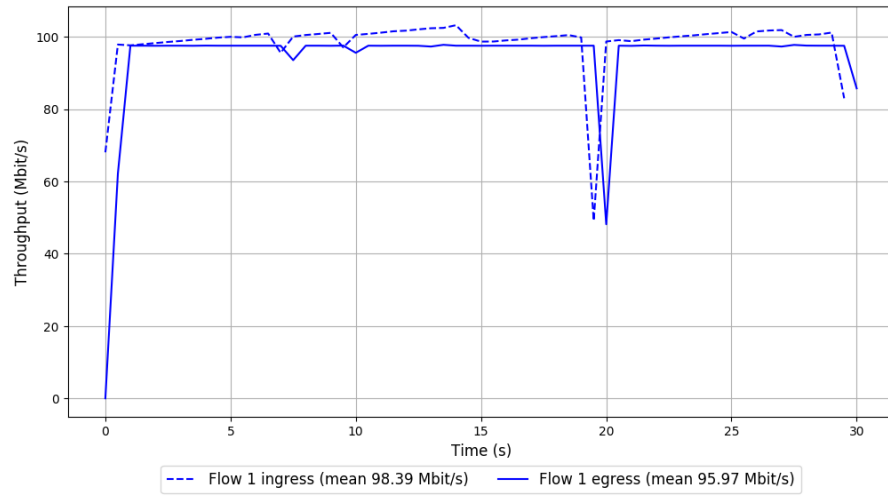


Run 6: Statistics of TCP BBR

Start at: 2018-08-09 19:06:47
End at: 2018-08-09 19:07:17
Local clock offset: 1.83 ms
Remote clock offset: -13.422 ms

Below is generated by plot.py at 2018-08-09 20:43:20
Datalink statistics
-- Total of 1 flow:
Average throughput: 95.97 Mbit/s
95th percentile per-packet one-way delay: 30.900 ms
Loss rate: 2.56%
-- Flow 1:
Average throughput: 95.97 Mbit/s
95th percentile per-packet one-way delay: 30.900 ms
Loss rate: 2.56%

Run 6: Report of TCP BBR — Data Link

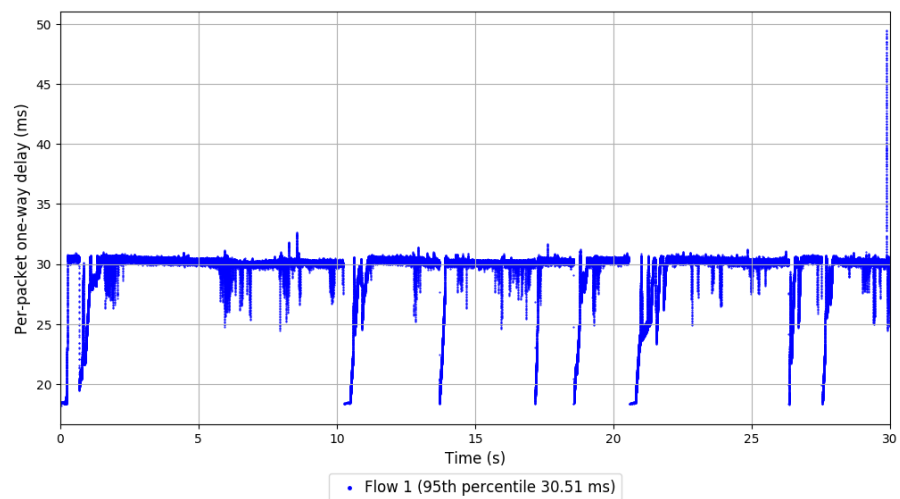
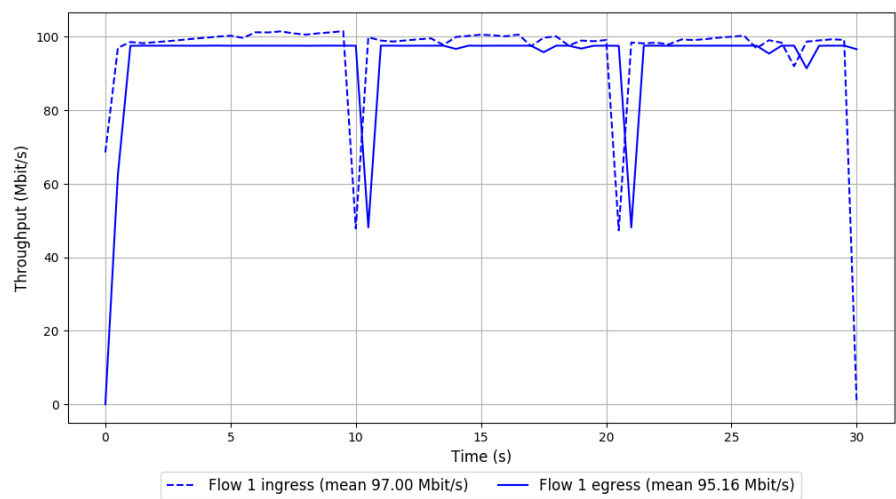


Run 7: Statistics of TCP BBR

Start at: 2018-08-09 19:27:09
End at: 2018-08-09 19:27:39
Local clock offset: 0.817 ms
Remote clock offset: -15.448 ms

Below is generated by plot.py at 2018-08-09 20:43:20
Datalink statistics
-- Total of 1 flow:
Average throughput: 95.16 Mbit/s
95th percentile per-packet one-way delay: 30.514 ms
Loss rate: 1.98%
-- Flow 1:
Average throughput: 95.16 Mbit/s
95th percentile per-packet one-way delay: 30.514 ms
Loss rate: 1.98%

Run 7: Report of TCP BBR — Data Link

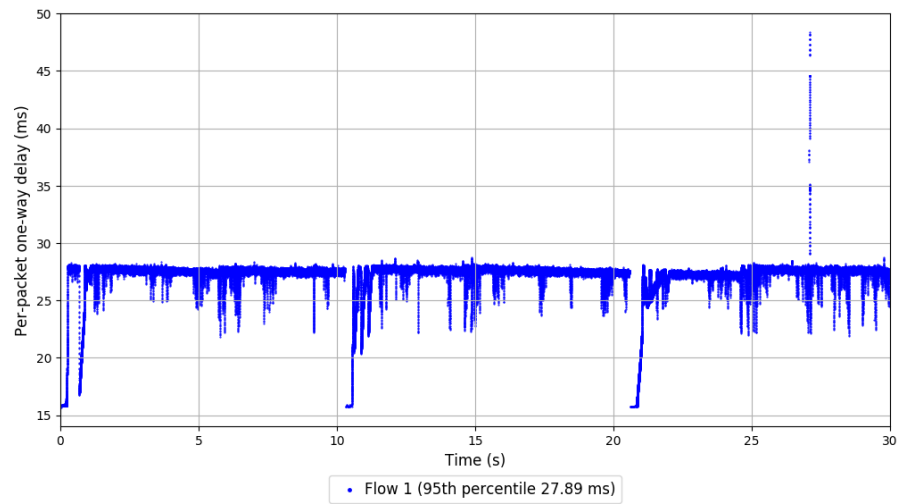
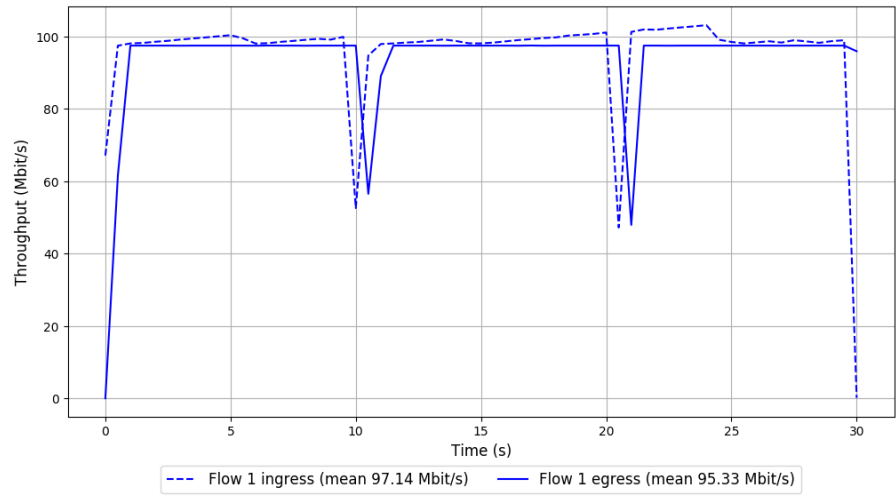


Run 8: Statistics of TCP BBR

Start at: 2018-08-09 19:47:06
End at: 2018-08-09 19:47:36
Local clock offset: -1.154 ms
Remote clock offset: -13.122 ms

Below is generated by plot.py at 2018-08-09 20:43:20
Datalink statistics
-- Total of 1 flow:
Average throughput: 95.33 Mbit/s
95th percentile per-packet one-way delay: 27.894 ms
Loss rate: 1.94%
-- Flow 1:
Average throughput: 95.33 Mbit/s
95th percentile per-packet one-way delay: 27.894 ms
Loss rate: 1.94%

Run 8: Report of TCP BBR — Data Link

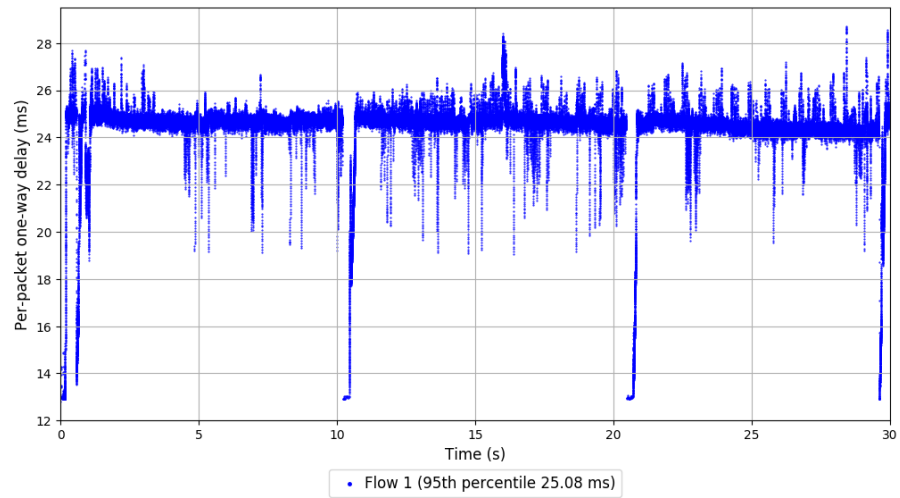
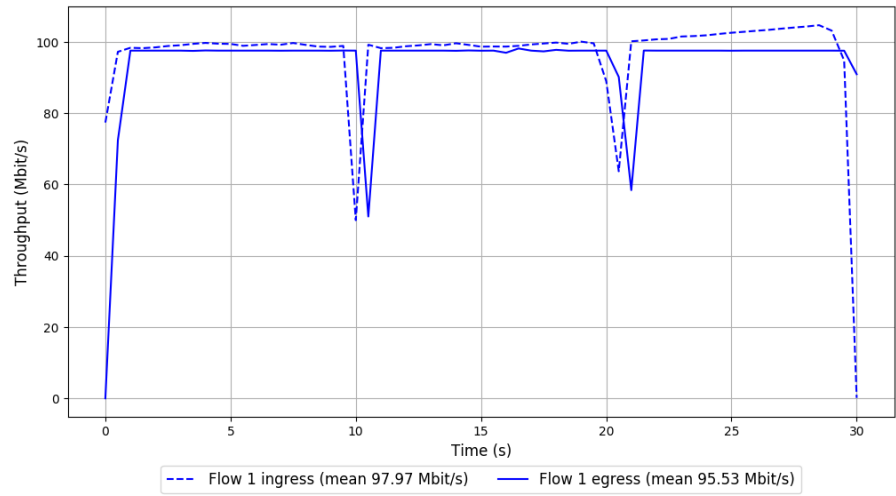


Run 9: Statistics of TCP BBR

Start at: 2018-08-09 20:06:41
End at: 2018-08-09 20:07:11
Local clock offset: -1.99 ms
Remote clock offset: -12.456 ms

Below is generated by plot.py at 2018-08-09 20:44:11
Datalink statistics
-- Total of 1 flow:
Average throughput: 95.53 Mbit/s
95th percentile per-packet one-way delay: 25.079 ms
Loss rate: 2.57%
-- Flow 1:
Average throughput: 95.53 Mbit/s
95th percentile per-packet one-way delay: 25.079 ms
Loss rate: 2.57%

Run 9: Report of TCP BBR — Data Link

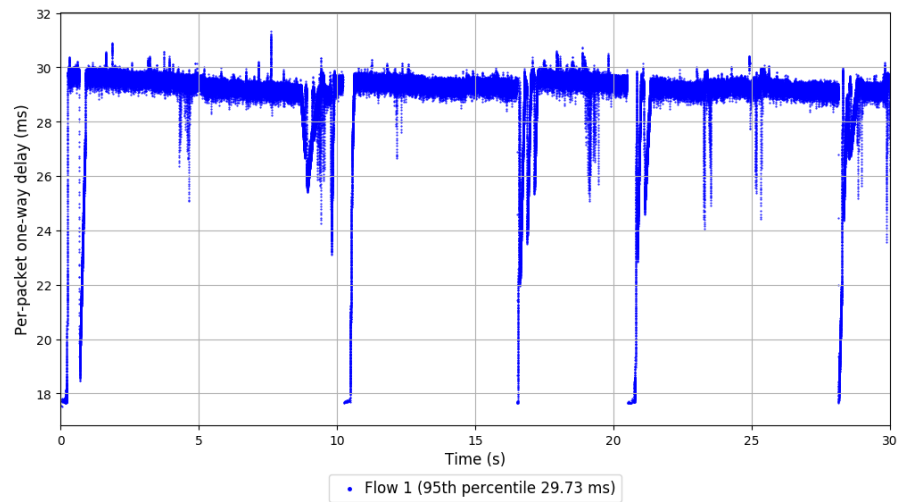
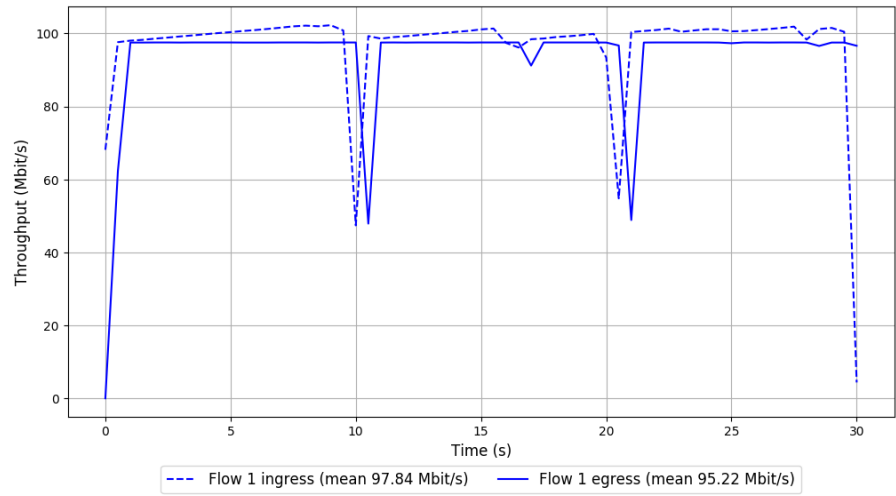


Run 10: Statistics of TCP BBR

Start at: 2018-08-09 20:26:33
End at: 2018-08-09 20:27:03
Local clock offset: 3.689 ms
Remote clock offset: -11.154 ms

Below is generated by plot.py at 2018-08-09 20:44:11
Datalink statistics
-- Total of 1 flow:
Average throughput: 95.22 Mbit/s
95th percentile per-packet one-way delay: 29.726 ms
Loss rate: 2.82%
-- Flow 1:
Average throughput: 95.22 Mbit/s
95th percentile per-packet one-way delay: 29.726 ms
Loss rate: 2.82%

Run 10: Report of TCP BBR — Data Link

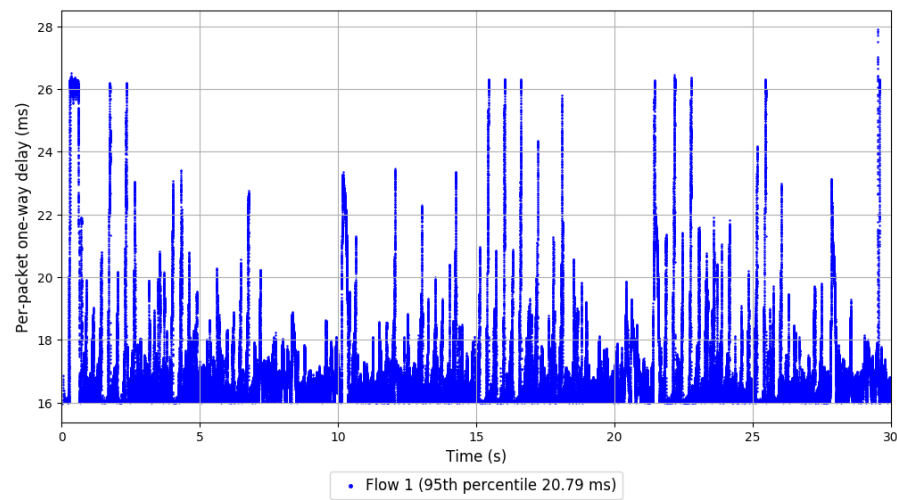
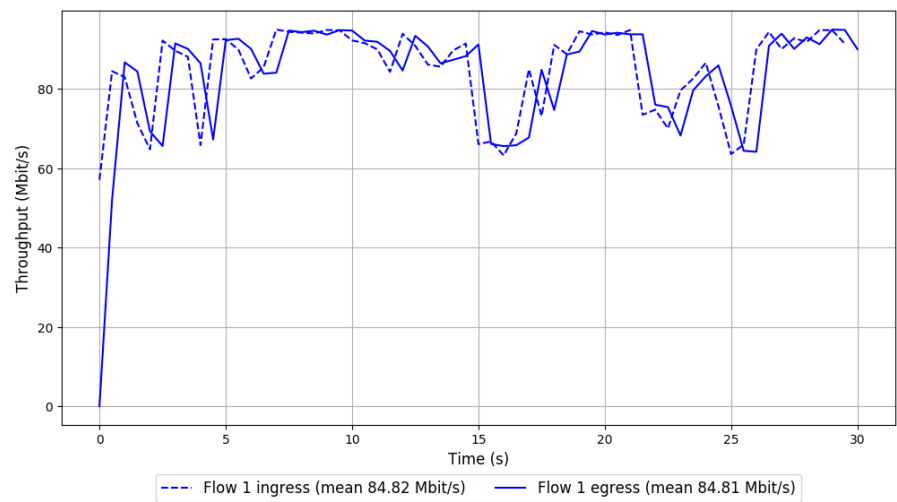


Run 1: Statistics of Copa

Start at: 2018-08-09 17:38:58
End at: 2018-08-09 17:39:28
Local clock offset: -1.635 ms
Remote clock offset: -7.253 ms

Below is generated by plot.py at 2018-08-09 20:45:00
Datalink statistics
-- Total of 1 flow:
Average throughput: 84.81 Mbit/s
95th percentile per-packet one-way delay: 20.790 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 84.81 Mbit/s
95th percentile per-packet one-way delay: 20.790 ms
Loss rate: 0.09%

Run 1: Report of Copa — Data Link



Run 2: Statistics of Copa

Start at: 2018-08-09 17:58:39

End at: 2018-08-09 17:59:09

Local clock offset: 1.24 ms

Remote clock offset: -7.45 ms

Below is generated by plot.py at 2018-08-09 20:45:00

Datalink statistics

-- Total of 1 flow:

Average throughput: 81.96 Mbit/s

95th percentile per-packet one-way delay: 25.223 ms

Loss rate: 0.03%

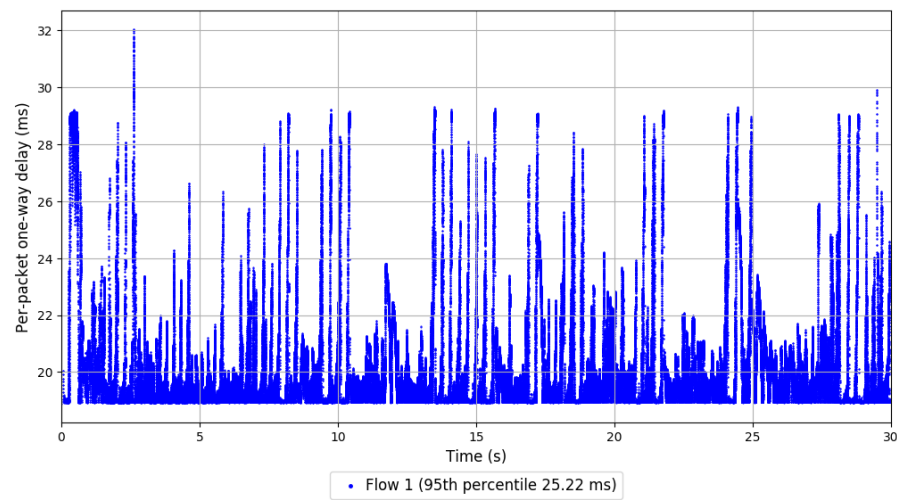
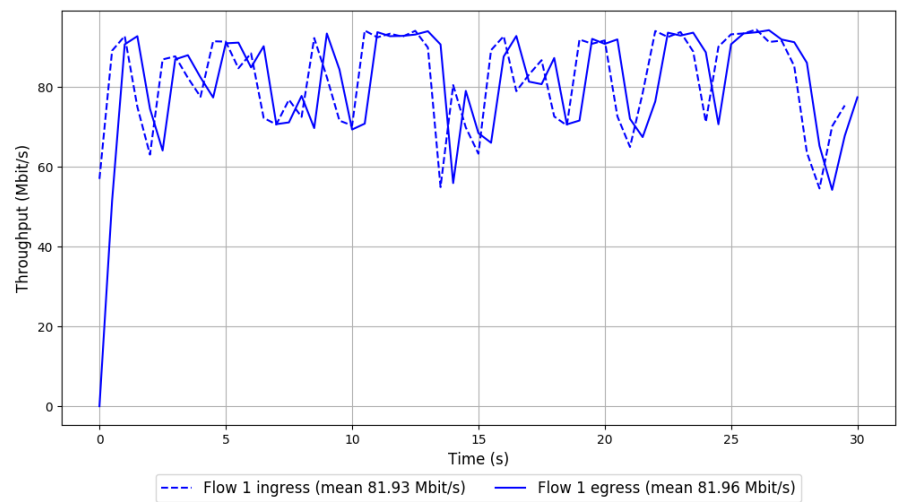
-- Flow 1:

Average throughput: 81.96 Mbit/s

95th percentile per-packet one-way delay: 25.223 ms

Loss rate: 0.03%

Run 2: Report of Copa — Data Link

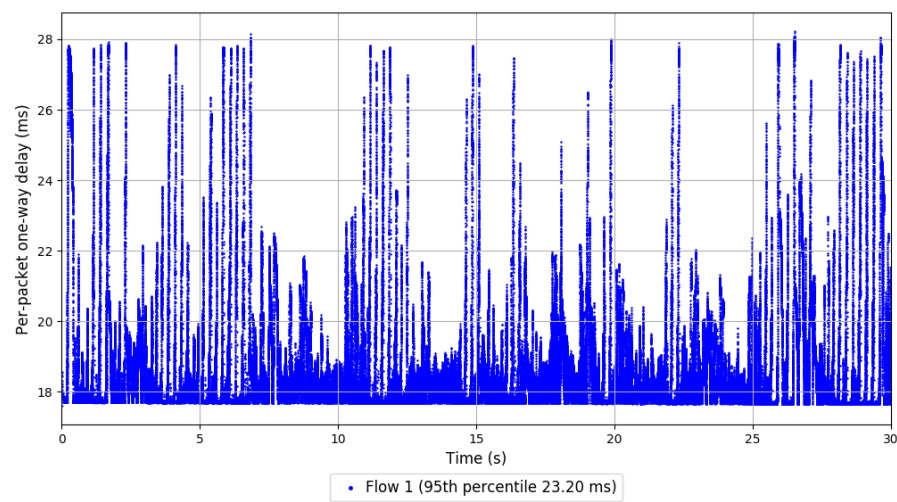
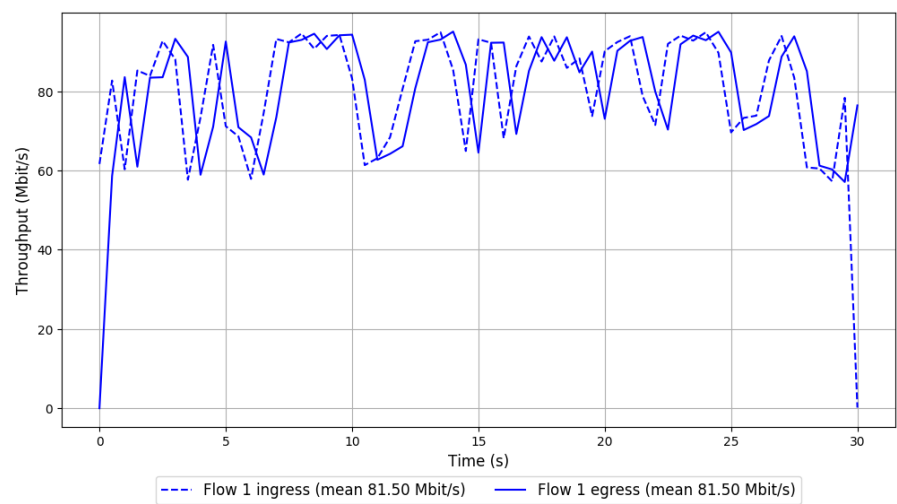


Run 3: Statistics of Copa

Start at: 2018-08-09 18:18:54
End at: 2018-08-09 18:19:24
Local clock offset: 0.799 ms
Remote clock offset: -7.106 ms

Below is generated by plot.py at 2018-08-09 20:45:00
Datalink statistics
-- Total of 1 flow:
Average throughput: 81.50 Mbit/s
95th percentile per-packet one-way delay: 23.199 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 81.50 Mbit/s
95th percentile per-packet one-way delay: 23.199 ms
Loss rate: 0.08%

Run 3: Report of Copa — Data Link

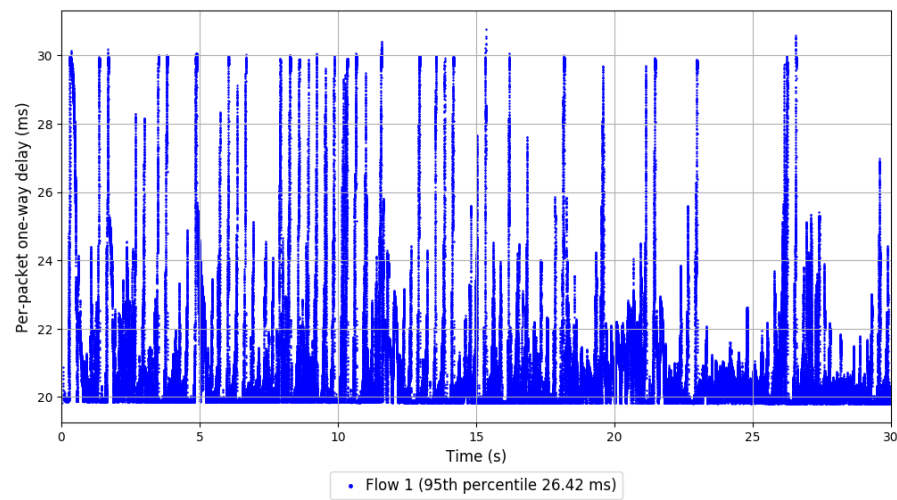
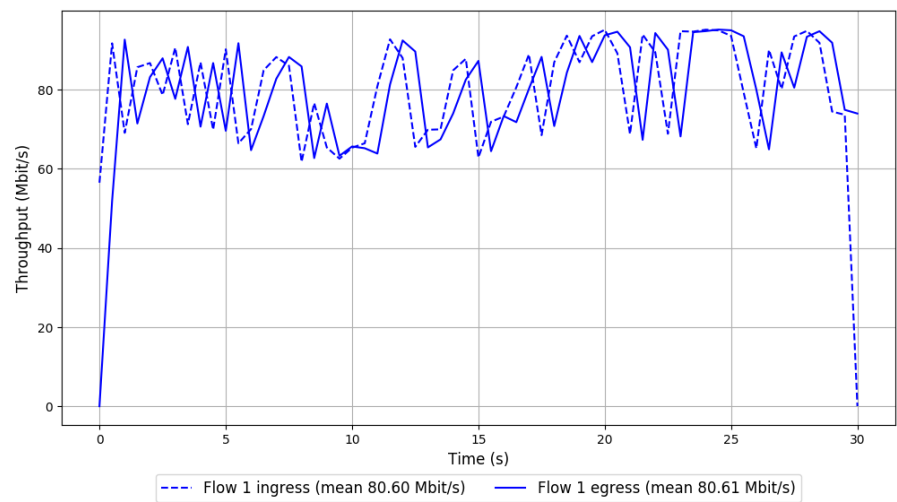


Run 4: Statistics of Copa

Start at: 2018-08-09 18:38:45
End at: 2018-08-09 18:39:15
Local clock offset: 3.038 ms
Remote clock offset: -11.132 ms

Below is generated by plot.py at 2018-08-09 20:45:00
Datalink statistics
-- Total of 1 flow:
Average throughput: 80.61 Mbit/s
95th percentile per-packet one-way delay: 26.416 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 80.61 Mbit/s
95th percentile per-packet one-way delay: 26.416 ms
Loss rate: 0.06%

Run 4: Report of Copa — Data Link

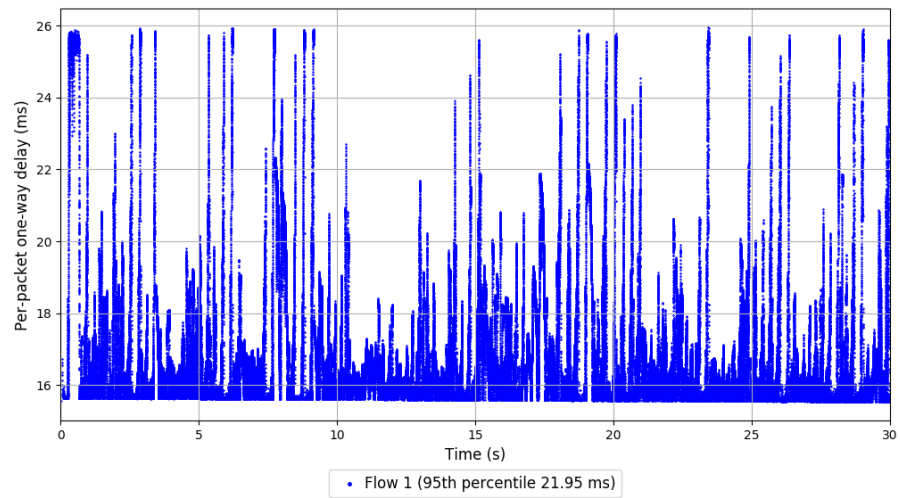
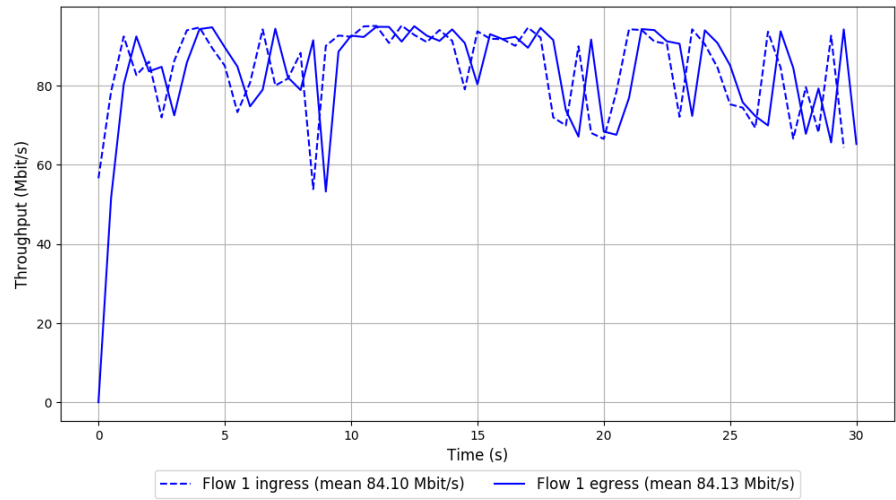


Run 5: Statistics of Copa

Start at: 2018-08-09 18:58:39
End at: 2018-08-09 18:59:09
Local clock offset: -0.593 ms
Remote clock offset: -11.577 ms

Below is generated by plot.py at 2018-08-09 20:45:02
Datalink statistics
-- Total of 1 flow:
Average throughput: 84.13 Mbit/s
95th percentile per-packet one-way delay: 21.949 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 84.13 Mbit/s
95th percentile per-packet one-way delay: 21.949 ms
Loss rate: 0.04%

Run 5: Report of Copa — Data Link

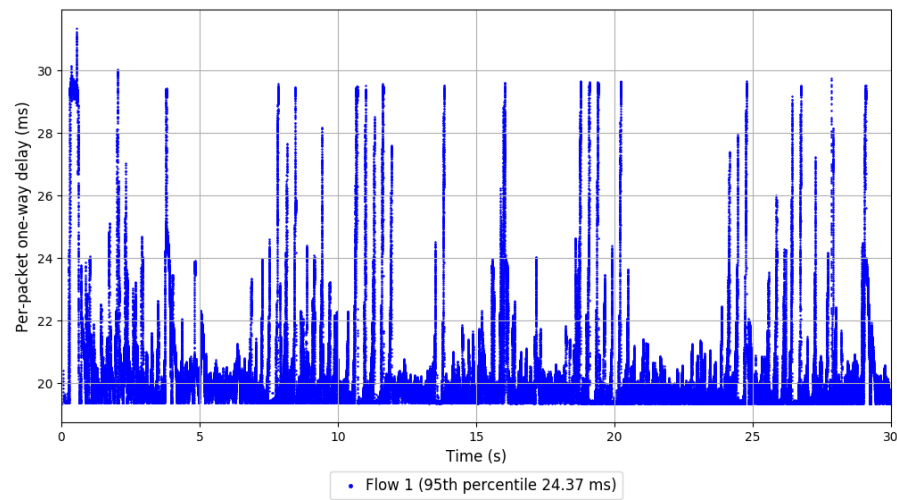
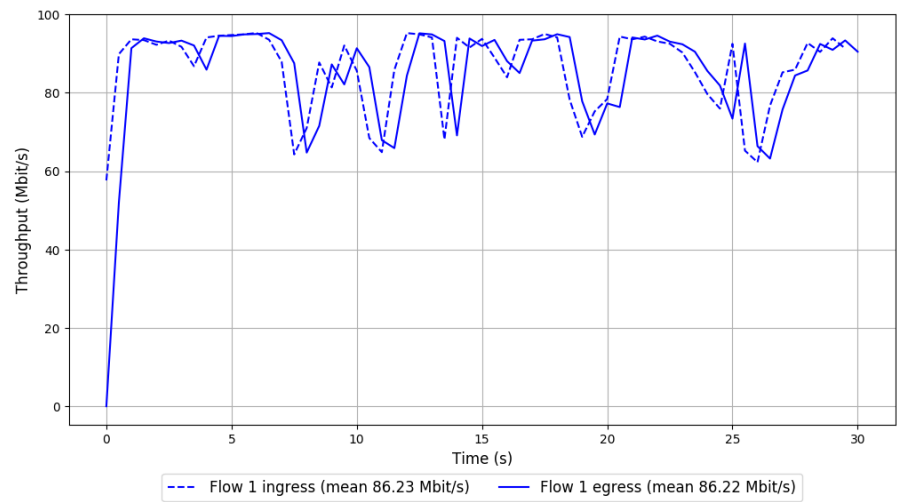


Run 6: Statistics of Copa

Start at: 2018-08-09 19:19:09
End at: 2018-08-09 19:19:39
Local clock offset: 1.774 ms
Remote clock offset: -15.069 ms

Below is generated by plot.py at 2018-08-09 20:45:04
Datalink statistics
-- Total of 1 flow:
Average throughput: 86.22 Mbit/s
95th percentile per-packet one-way delay: 24.371 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 86.22 Mbit/s
95th percentile per-packet one-way delay: 24.371 ms
Loss rate: 0.09%

Run 6: Report of Copa — Data Link

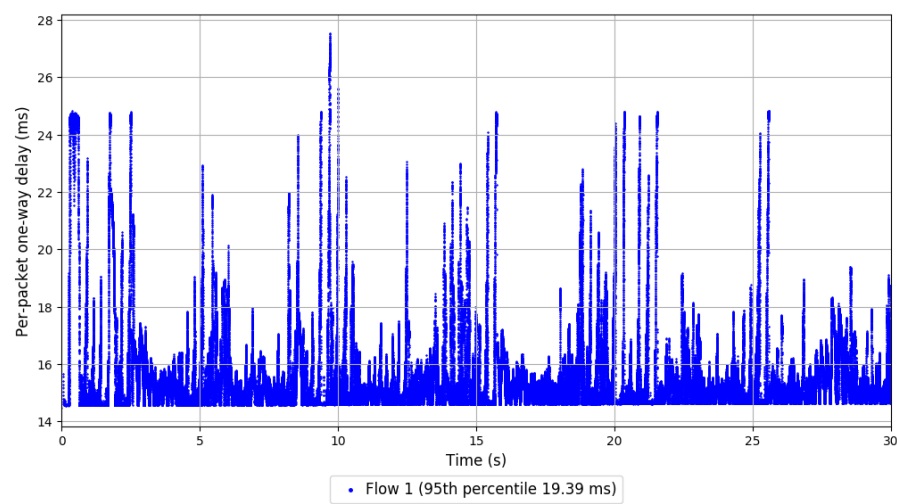
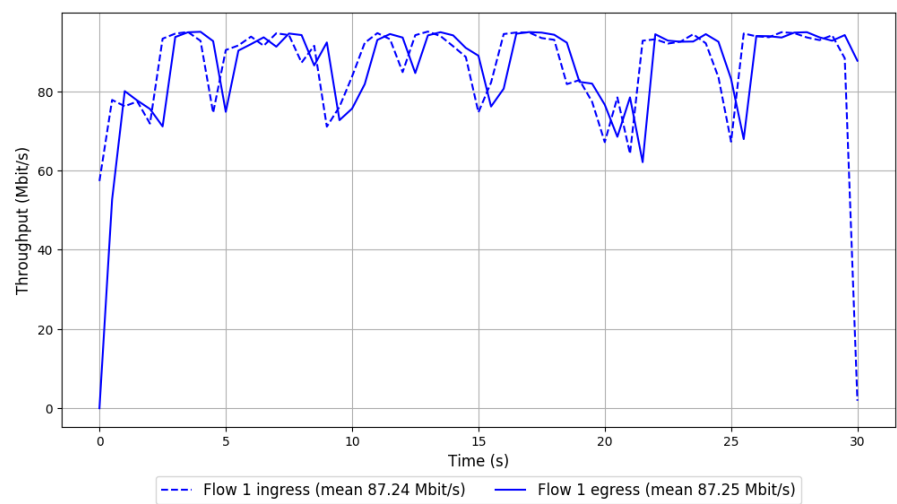


Run 7: Statistics of Copa

Start at: 2018-08-09 19:38:56
End at: 2018-08-09 19:39:26
Local clock offset: -1.945 ms
Remote clock offset: -13.151 ms

Below is generated by plot.py at 2018-08-09 20:46:18
Datalink statistics
-- Total of 1 flow:
Average throughput: 87.25 Mbit/s
95th percentile per-packet one-way delay: 19.385 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 87.25 Mbit/s
95th percentile per-packet one-way delay: 19.385 ms
Loss rate: 0.10%

Run 7: Report of Copa — Data Link

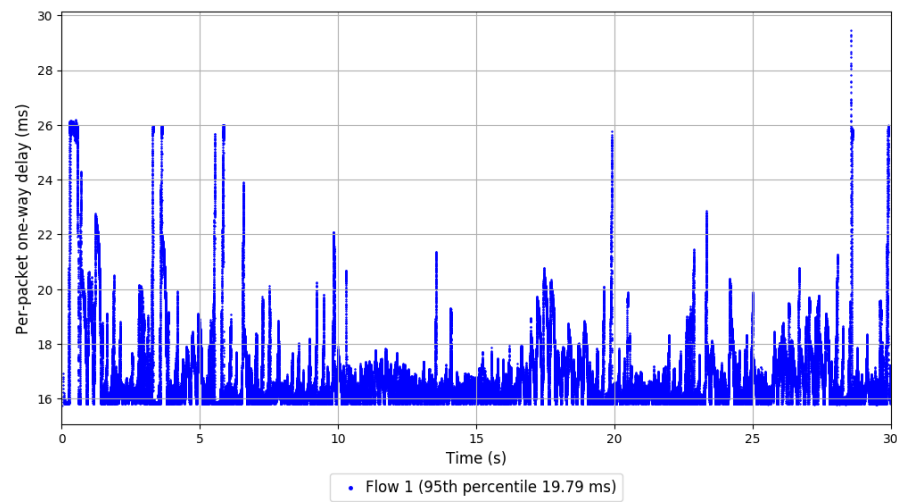
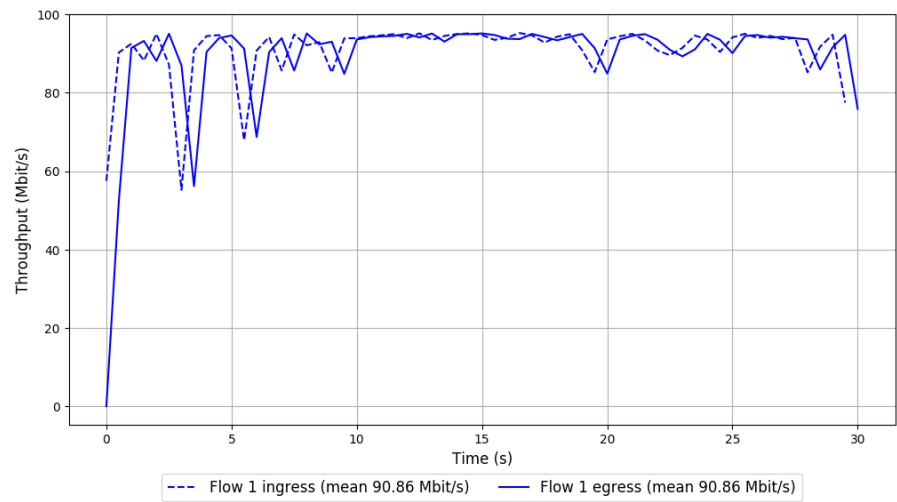


Run 8: Statistics of Copa

Start at: 2018-08-09 19:58:42
End at: 2018-08-09 19:59:12
Local clock offset: -0.167 ms
Remote clock offset: -13.21 ms

Below is generated by plot.py at 2018-08-09 20:46:21
Datalink statistics
-- Total of 1 flow:
Average throughput: 90.86 Mbit/s
95th percentile per-packet one-way delay: 19.789 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 90.86 Mbit/s
95th percentile per-packet one-way delay: 19.789 ms
Loss rate: 0.09%

Run 8: Report of Copa — Data Link

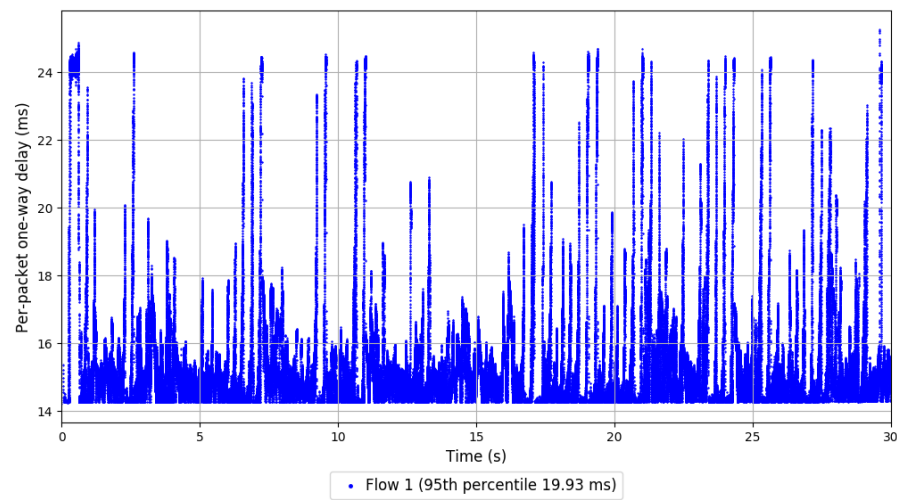
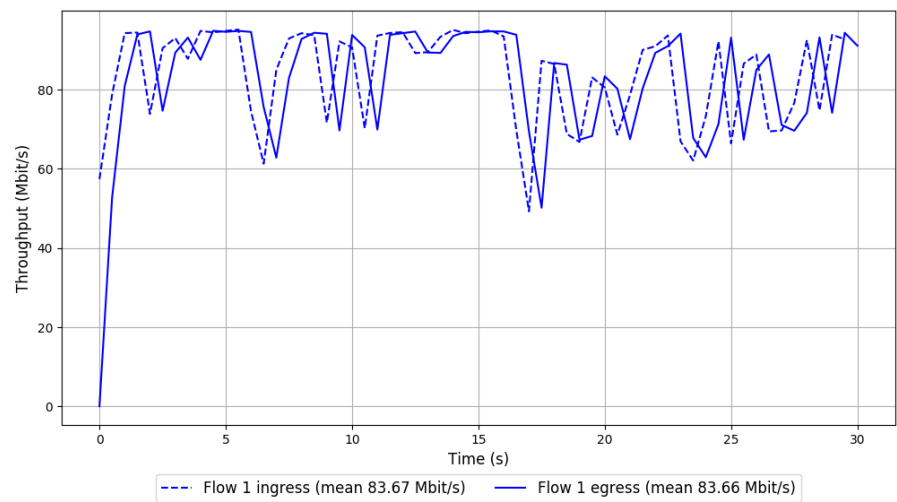


Run 9: Statistics of Copa

Start at: 2018-08-09 20:18:33
End at: 2018-08-09 20:19:04
Local clock offset: 0.026 ms
Remote clock offset: -11.507 ms

Below is generated by plot.py at 2018-08-09 20:46:40
Datalink statistics
-- Total of 1 flow:
Average throughput: 83.66 Mbit/s
95th percentile per-packet one-way delay: 19.932 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 83.66 Mbit/s
95th percentile per-packet one-way delay: 19.932 ms
Loss rate: 0.09%

Run 9: Report of Copa — Data Link

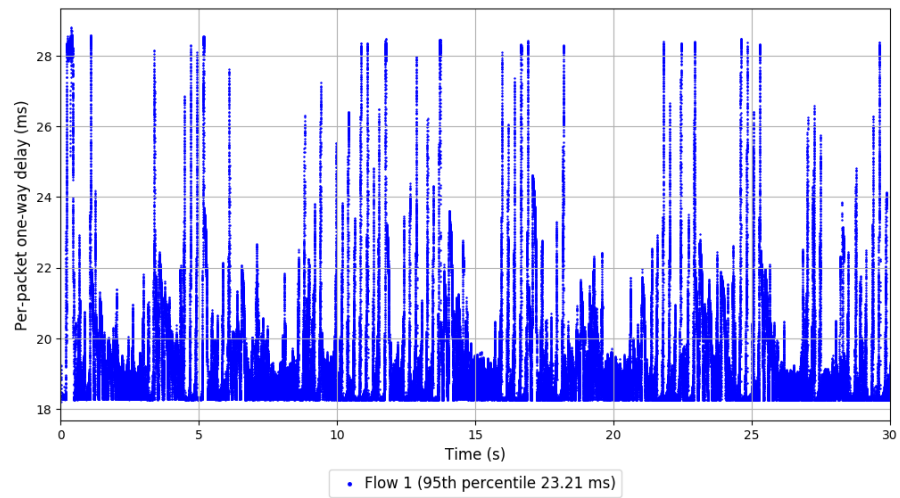
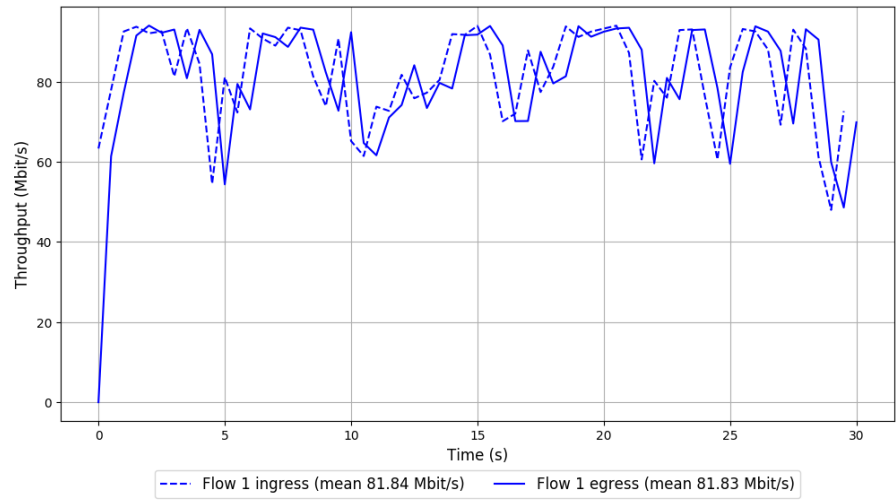


Run 10: Statistics of Copa

Start at: 2018-08-09 20:38:18
End at: 2018-08-09 20:38:48
Local clock offset: 2.552 ms
Remote clock offset: -13.029 ms

Below is generated by plot.py at 2018-08-09 20:46:40
Datalink statistics
-- Total of 1 flow:
Average throughput: 81.83 Mbit/s
95th percentile per-packet one-way delay: 23.212 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 81.83 Mbit/s
95th percentile per-packet one-way delay: 23.212 ms
Loss rate: 0.09%

Run 10: Report of Copa — Data Link

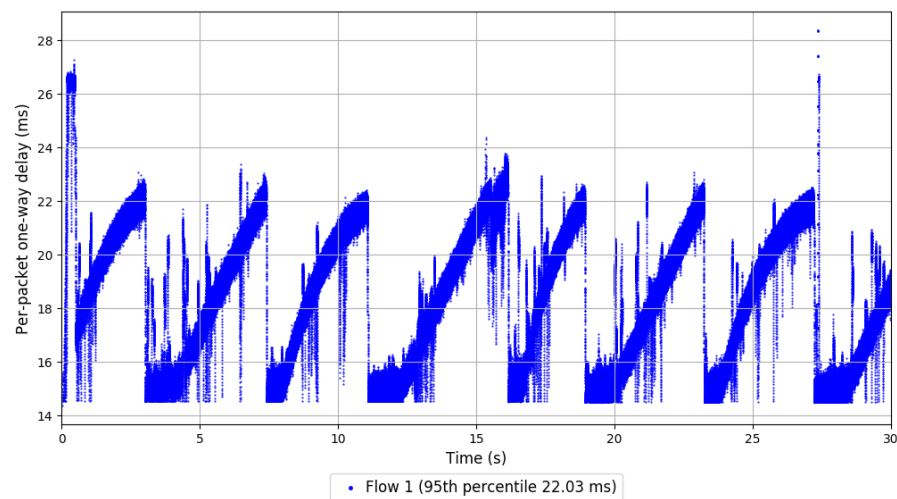
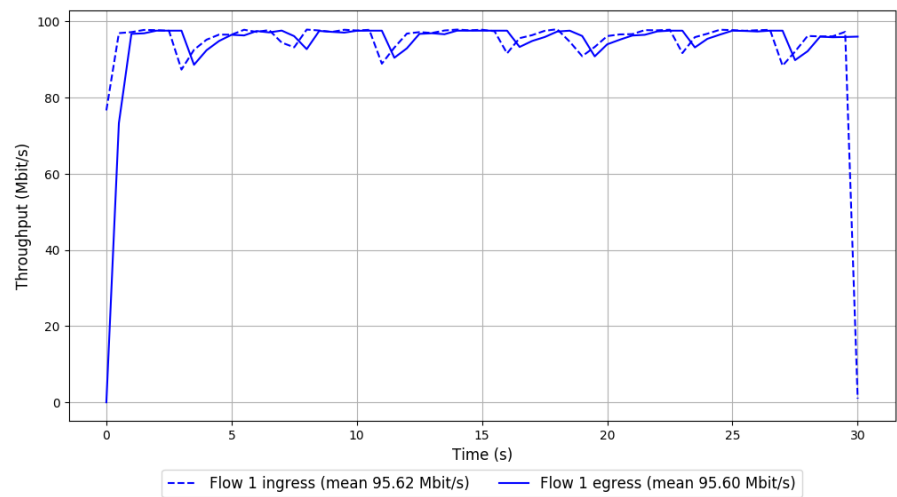


Run 1: Statistics of TCP Cubic

Start at: 2018-08-09 17:28:25
End at: 2018-08-09 17:28:55
Local clock offset: -2.616 ms
Remote clock offset: -6.343 ms

Below is generated by plot.py at 2018-08-09 20:46:40
Datalink statistics
-- Total of 1 flow:
Average throughput: 95.60 Mbit/s
95th percentile per-packet one-way delay: 22.029 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 95.60 Mbit/s
95th percentile per-packet one-way delay: 22.029 ms
Loss rate: 0.10%

Run 1: Report of TCP Cubic — Data Link

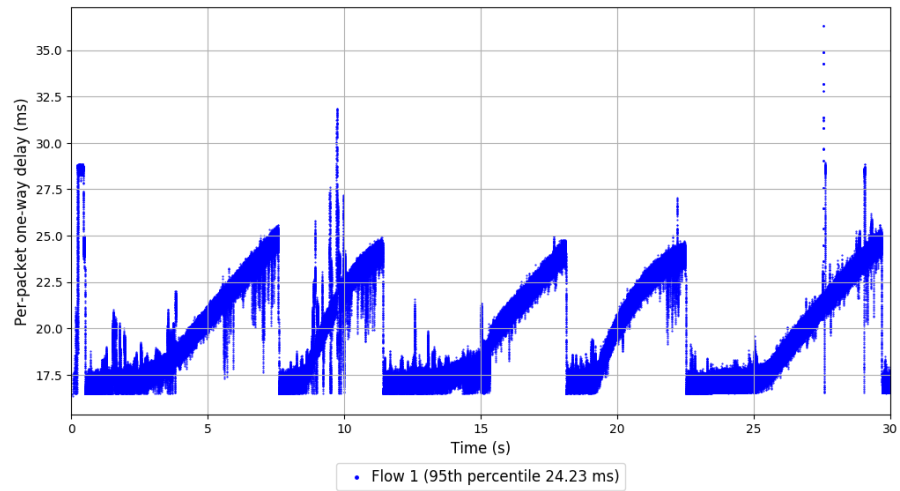
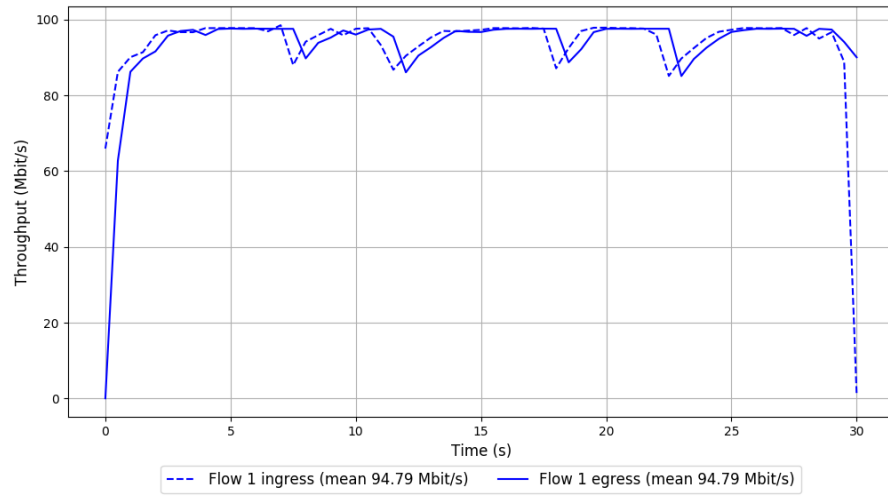


Run 2: Statistics of TCP Cubic

Start at: 2018-08-09 17:48:06
End at: 2018-08-09 17:48:36
Local clock offset: -0.736 ms
Remote clock offset: -6.696 ms

Below is generated by plot.py at 2018-08-09 20:46:40
Datalink statistics
-- Total of 1 flow:
Average throughput: 94.79 Mbit/s
95th percentile per-packet one-way delay: 24.229 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 94.79 Mbit/s
95th percentile per-packet one-way delay: 24.229 ms
Loss rate: 0.08%

Run 2: Report of TCP Cubic — Data Link

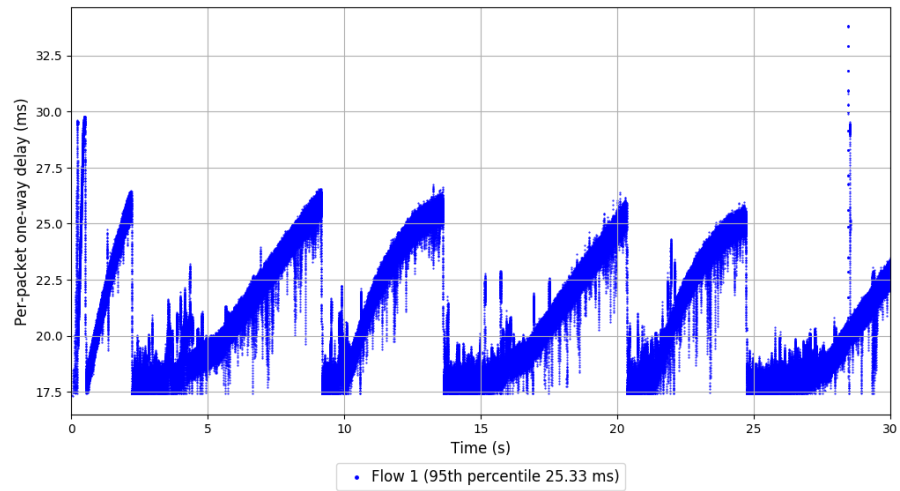
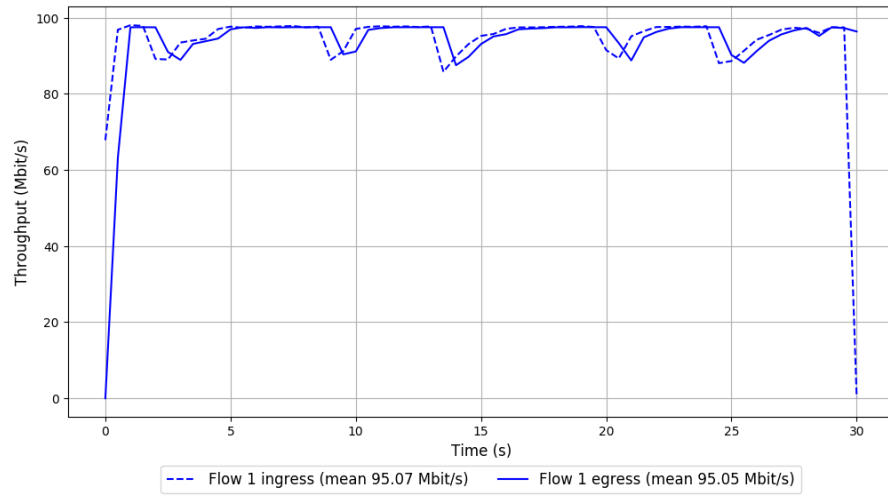


Run 3: Statistics of TCP Cubic

Start at: 2018-08-09 18:08:13
End at: 2018-08-09 18:08:43
Local clock offset: -0.754 ms
Remote clock offset: -8.006 ms

Below is generated by plot.py at 2018-08-09 20:46:40
Datalink statistics
-- Total of 1 flow:
Average throughput: 95.05 Mbit/s
95th percentile per-packet one-way delay: 25.332 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 95.05 Mbit/s
95th percentile per-packet one-way delay: 25.332 ms
Loss rate: 0.10%

Run 3: Report of TCP Cubic — Data Link

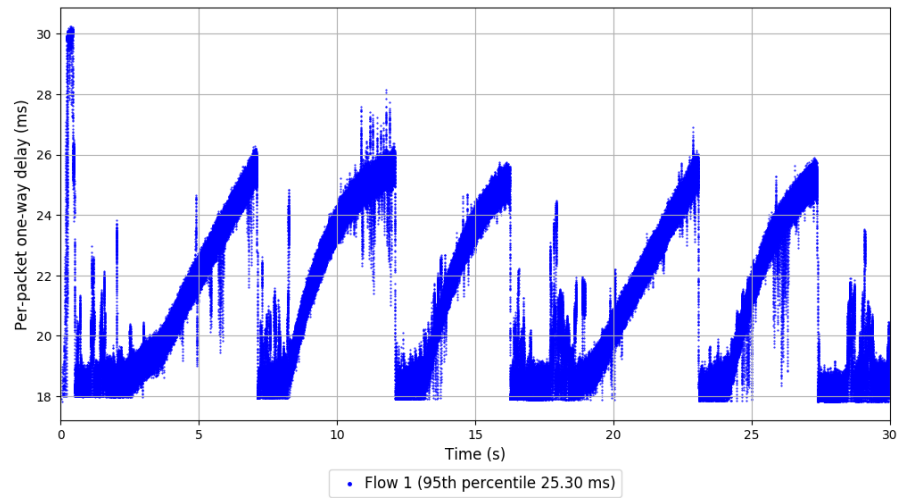
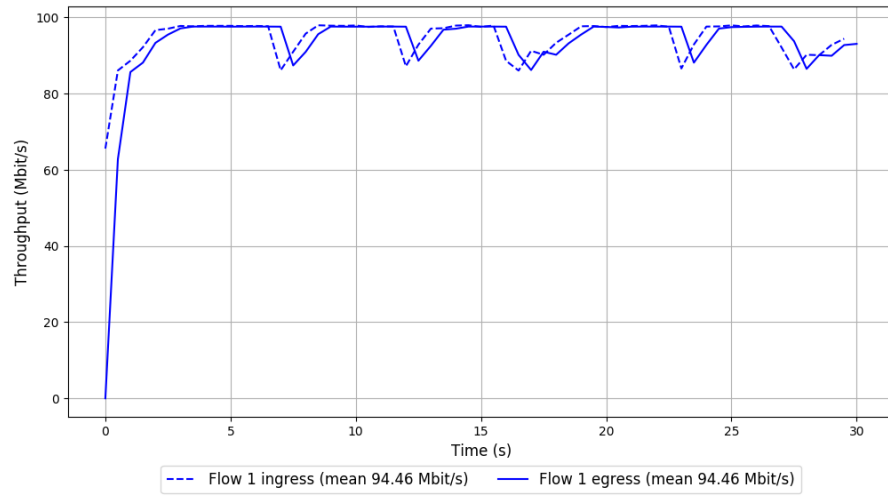


Run 4: Statistics of TCP Cubic

Start at: 2018-08-09 18:28:01
End at: 2018-08-09 18:28:31
Local clock offset: 1.163 ms
Remote clock offset: -8.833 ms

Below is generated by plot.py at 2018-08-09 20:46:40
Datalink statistics
-- Total of 1 flow:
Average throughput: 94.46 Mbit/s
95th percentile per-packet one-way delay: 25.304 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 94.46 Mbit/s
95th percentile per-packet one-way delay: 25.304 ms
Loss rate: 0.09%

Run 4: Report of TCP Cubic — Data Link

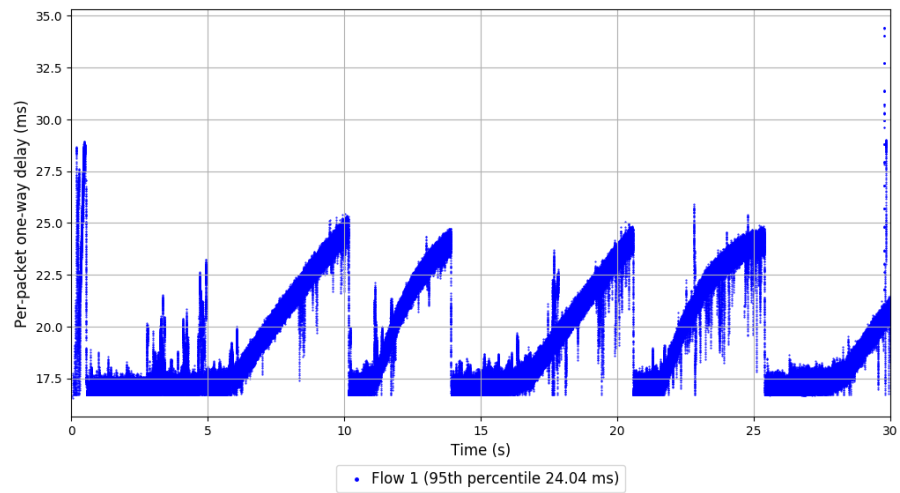
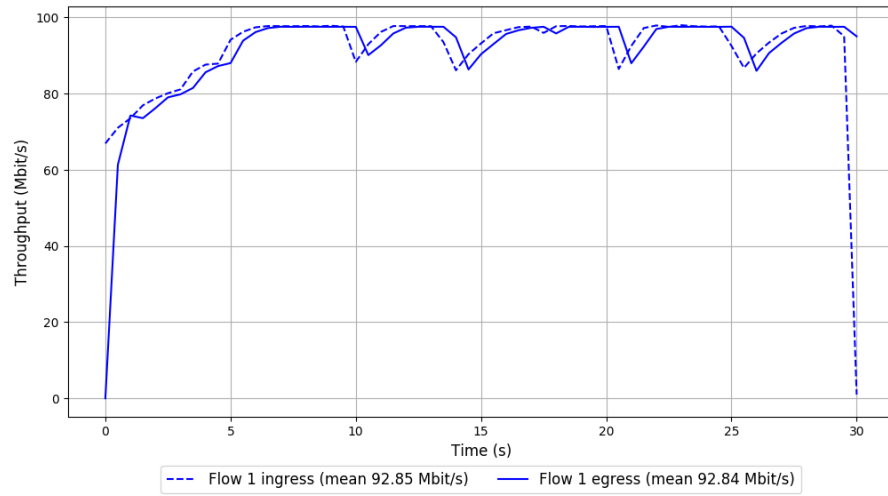


Run 5: Statistics of TCP Cubic

Start at: 2018-08-09 18:48:04
End at: 2018-08-09 18:48:34
Local clock offset: 0.455 ms
Remote clock offset: -11.268 ms

Below is generated by plot.py at 2018-08-09 20:47:08
Datalink statistics
-- Total of 1 flow:
Average throughput: 92.84 Mbit/s
95th percentile per-packet one-way delay: 24.037 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 92.84 Mbit/s
95th percentile per-packet one-way delay: 24.037 ms
Loss rate: 0.09%

Run 5: Report of TCP Cubic — Data Link

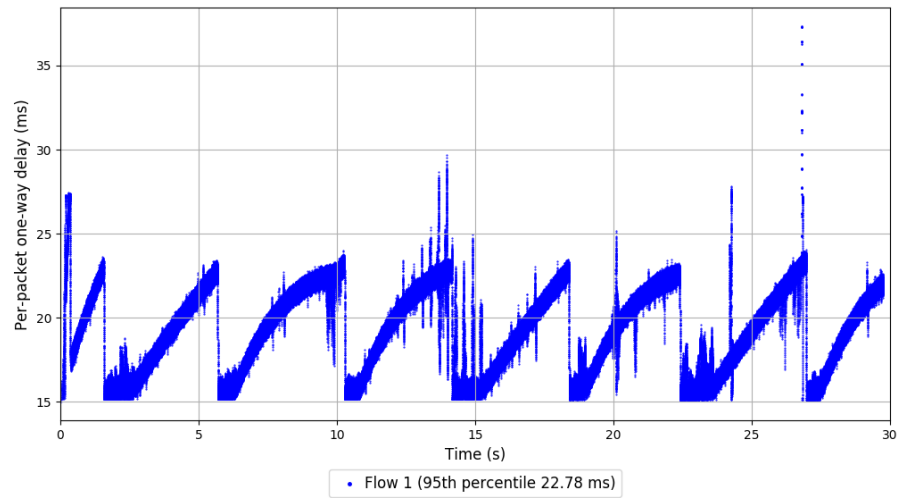
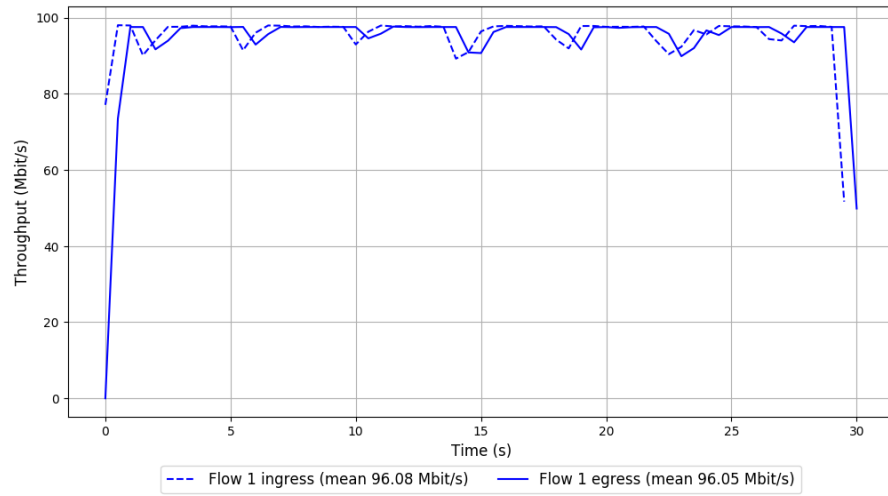


Run 6: Statistics of TCP Cubic

Start at: 2018-08-09 19:07:59
End at: 2018-08-09 19:08:29
Local clock offset: -1.62 ms
Remote clock offset: -13.375 ms

Below is generated by plot.py at 2018-08-09 20:47:10
Datalink statistics
-- Total of 1 flow:
Average throughput: 96.05 Mbit/s
95th percentile per-packet one-way delay: 22.783 ms
Loss rate: 0.11%
-- Flow 1:
Average throughput: 96.05 Mbit/s
95th percentile per-packet one-way delay: 22.783 ms
Loss rate: 0.11%

Run 6: Report of TCP Cubic — Data Link

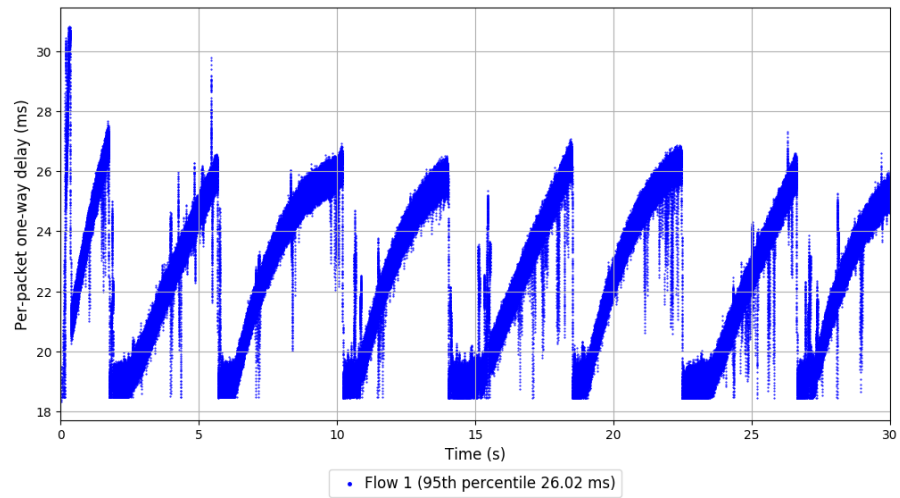
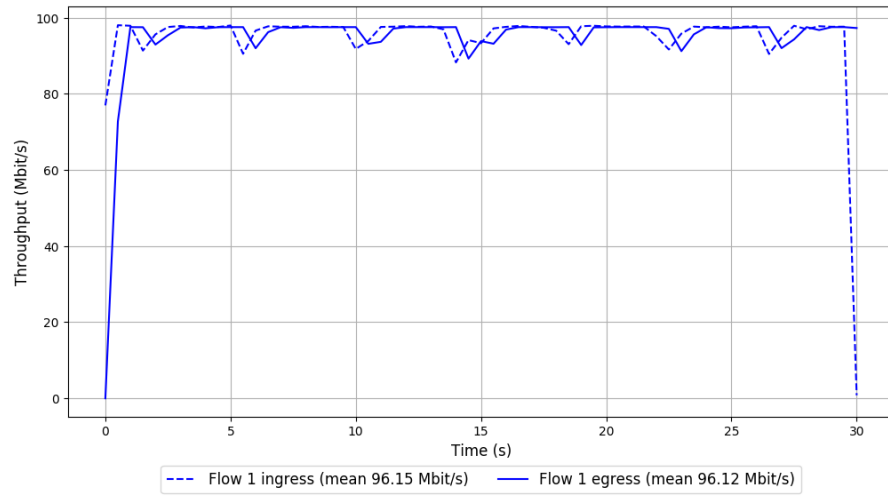


Run 7: Statistics of TCP Cubic

Start at: 2018-08-09 19:28:18
End at: 2018-08-09 19:28:48
Local clock offset: 1.044 ms
Remote clock offset: -15.389 ms

Below is generated by plot.py at 2018-08-09 20:47:12
Datalink statistics
-- Total of 1 flow:
Average throughput: 96.12 Mbit/s
95th percentile per-packet one-way delay: 26.024 ms
Loss rate: 0.11%
-- Flow 1:
Average throughput: 96.12 Mbit/s
95th percentile per-packet one-way delay: 26.024 ms
Loss rate: 0.11%

Run 7: Report of TCP Cubic — Data Link

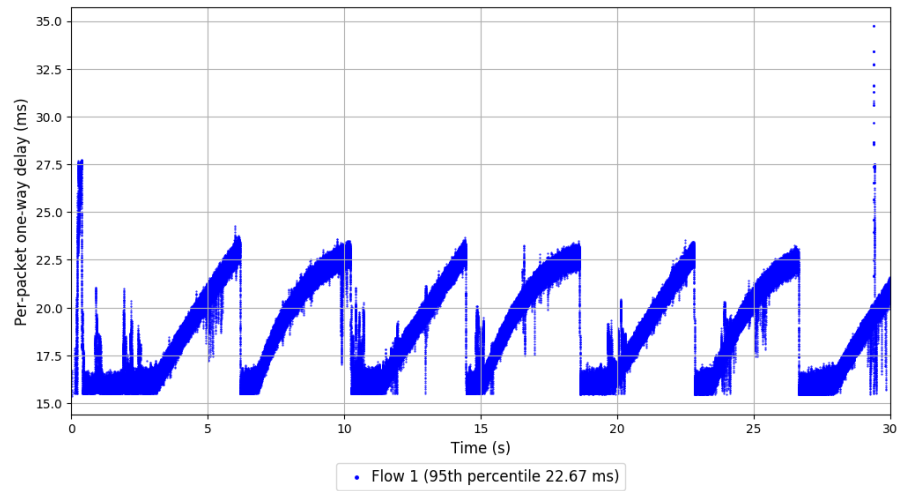
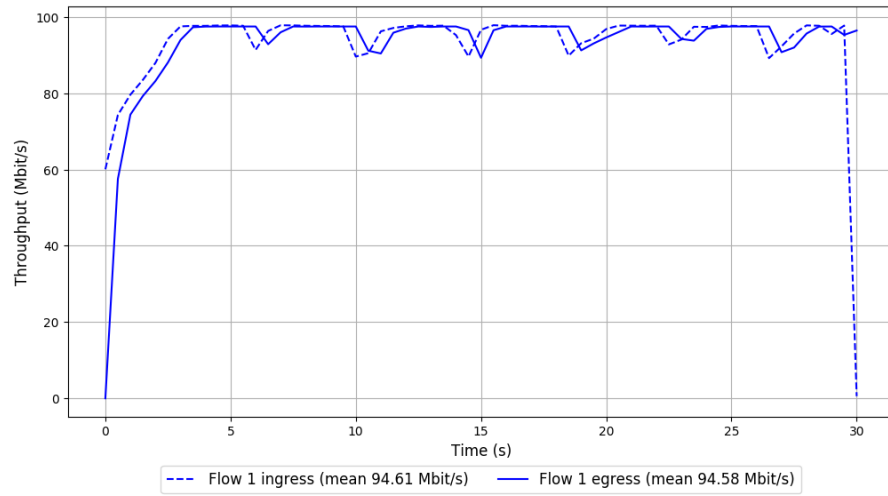


Run 8: Statistics of TCP Cubic

Start at: 2018-08-09 19:48:16
End at: 2018-08-09 19:48:46
Local clock offset: -0.071 ms
Remote clock offset: -11.926 ms

Below is generated by plot.py at 2018-08-09 20:47:14
Datalink statistics
-- Total of 1 flow:
Average throughput: 94.58 Mbit/s
95th percentile per-packet one-way delay: 22.667 ms
Loss rate: 0.11%
-- Flow 1:
Average throughput: 94.58 Mbit/s
95th percentile per-packet one-way delay: 22.667 ms
Loss rate: 0.11%

Run 8: Report of TCP Cubic — Data Link

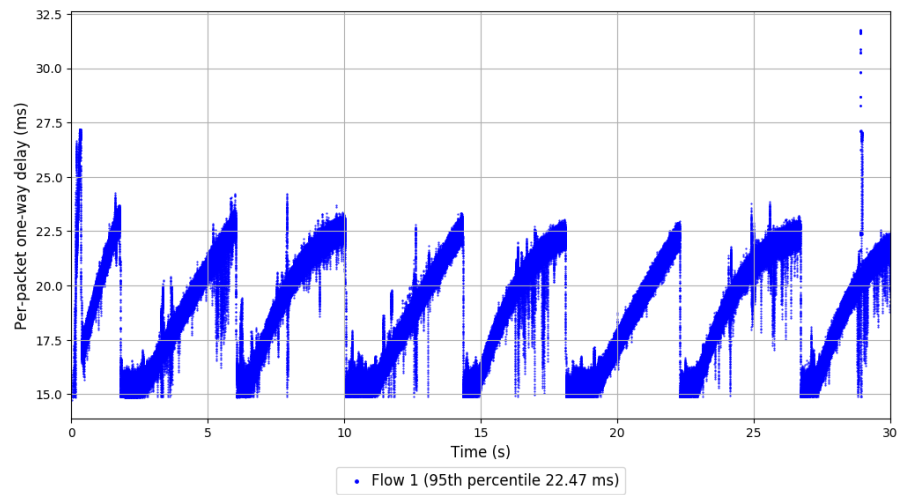
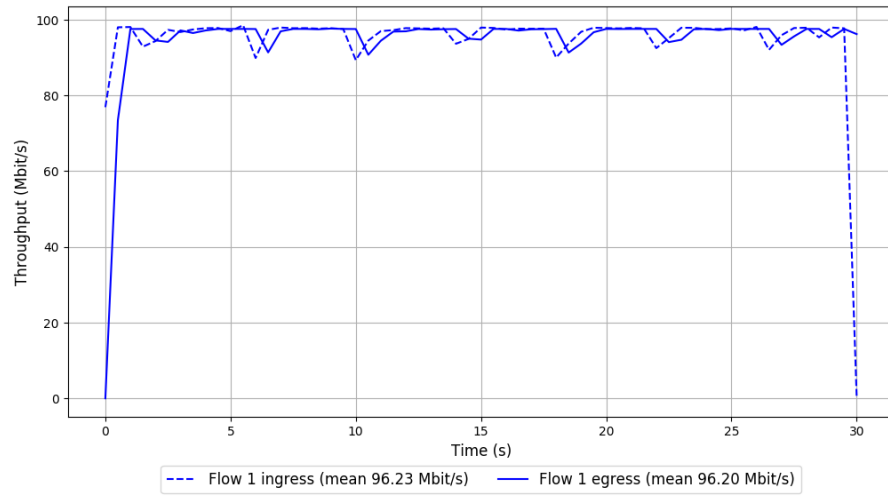


Run 9: Statistics of TCP Cubic

Start at: 2018-08-09 20:07:59
End at: 2018-08-09 20:08:29
Local clock offset: 0.505 ms
Remote clock offset: -11.867 ms

Below is generated by plot.py at 2018-08-09 20:47:19
Datalink statistics
-- Total of 1 flow:
Average throughput: 96.20 Mbit/s
95th percentile per-packet one-way delay: 22.467 ms
Loss rate: 0.11%
-- Flow 1:
Average throughput: 96.20 Mbit/s
95th percentile per-packet one-way delay: 22.467 ms
Loss rate: 0.11%

Run 9: Report of TCP Cubic — Data Link

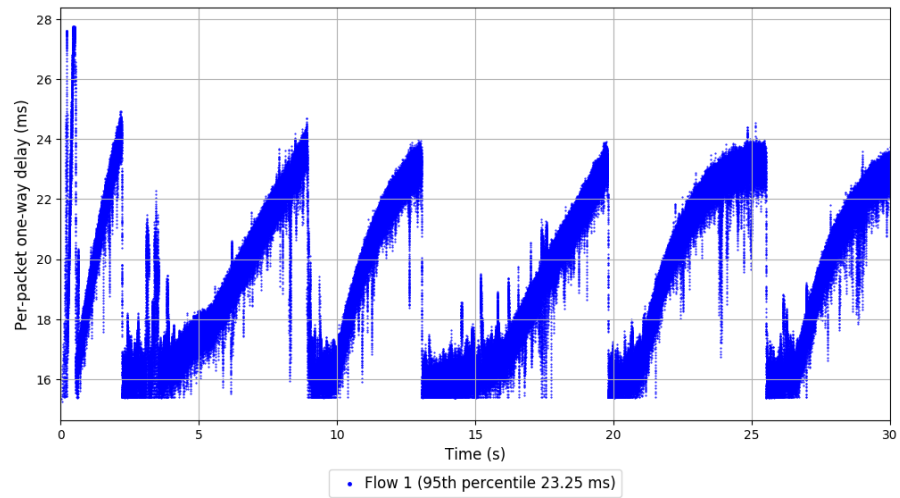
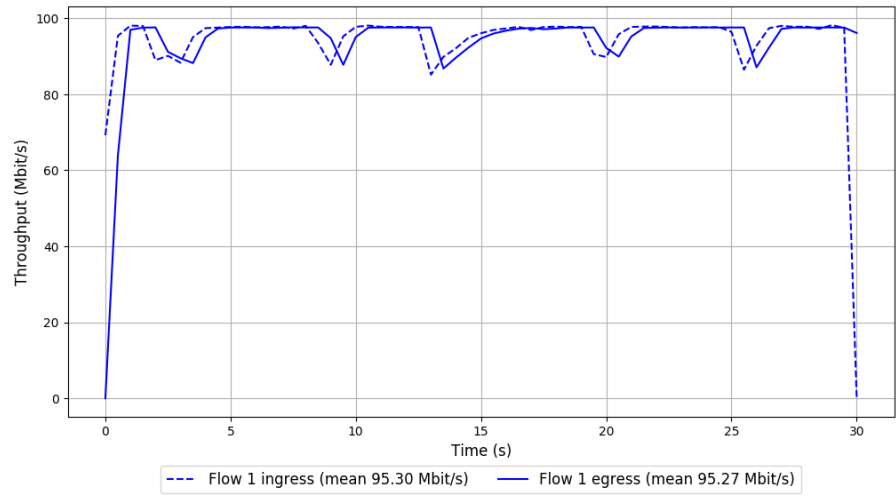


Run 10: Statistics of TCP Cubic

Start at: 2018-08-09 20:27:45
End at: 2018-08-09 20:28:15
Local clock offset: -0.212 ms
Remote clock offset: -12.804 ms

Below is generated by plot.py at 2018-08-09 20:47:22
Datalink statistics
-- Total of 1 flow:
Average throughput: 95.27 Mbit/s
95th percentile per-packet one-way delay: 23.250 ms
Loss rate: 0.11%
-- Flow 1:
Average throughput: 95.27 Mbit/s
95th percentile per-packet one-way delay: 23.250 ms
Loss rate: 0.11%

Run 10: Report of TCP Cubic — Data Link

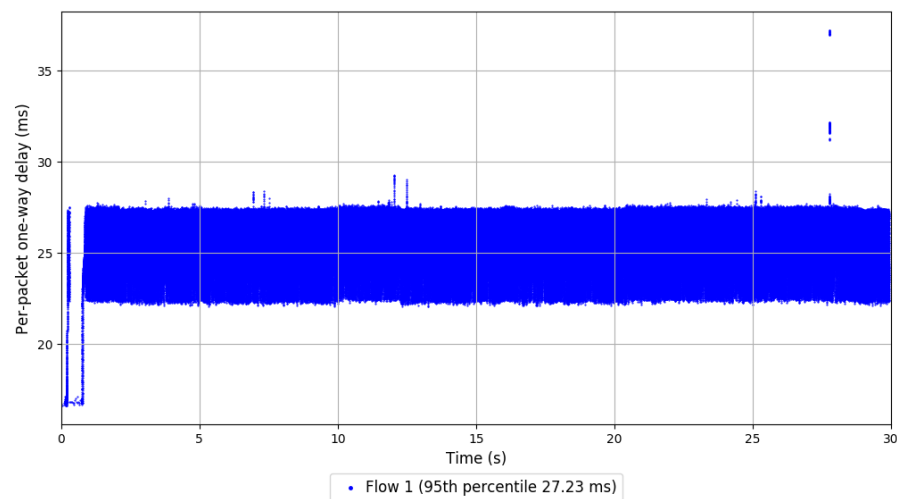
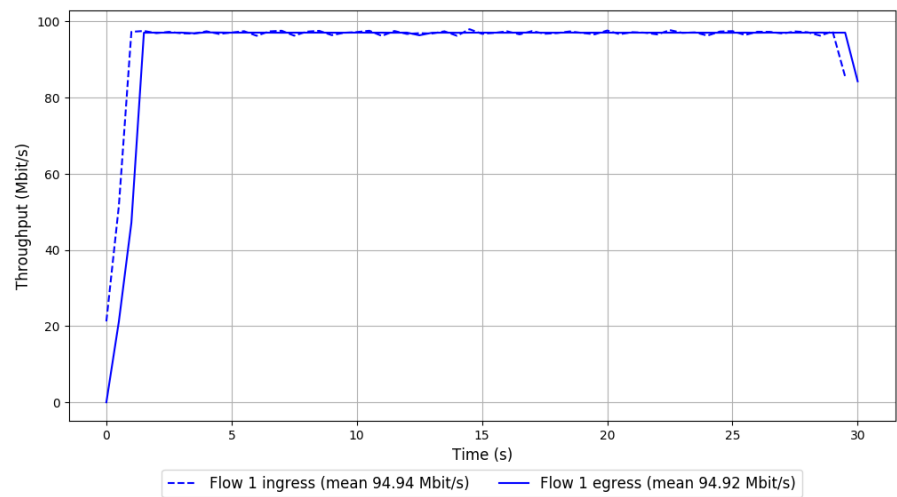


Run 1: Statistics of FillP

Start at: 2018-08-09 17:34:13
End at: 2018-08-09 17:34:43
Local clock offset: -0.056 ms
Remote clock offset: -6.323 ms

Below is generated by plot.py at 2018-08-09 20:47:59
Datalink statistics
-- Total of 1 flow:
Average throughput: 94.92 Mbit/s
95th percentile per-packet one-way delay: 27.231 ms
Loss rate: 0.11%
-- Flow 1:
Average throughput: 94.92 Mbit/s
95th percentile per-packet one-way delay: 27.231 ms
Loss rate: 0.11%

Run 1: Report of FillP — Data Link

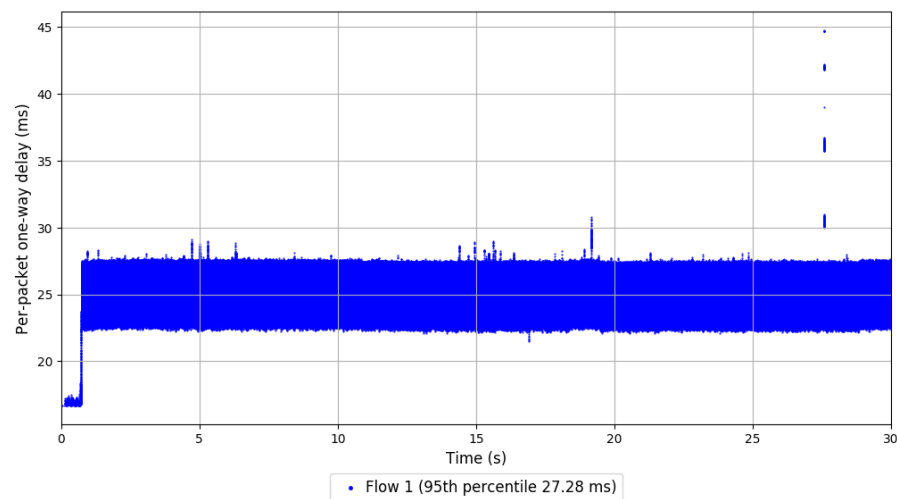
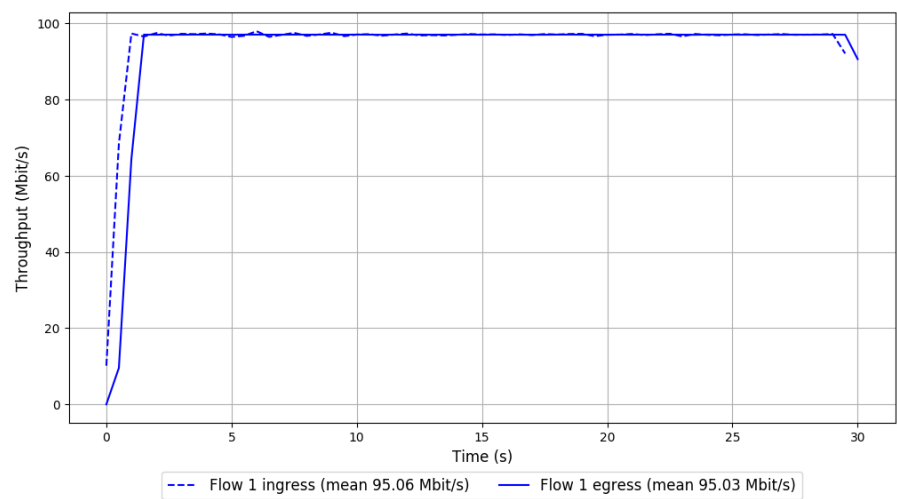


Run 2: Statistics of FillP

Start at: 2018-08-09 17:53:59
End at: 2018-08-09 17:54:29
Local clock offset: -0.286 ms
Remote clock offset: -6.744 ms

Below is generated by plot.py at 2018-08-09 20:48:03
Datalink statistics
-- Total of 1 flow:
Average throughput: 95.03 Mbit/s
95th percentile per-packet one-way delay: 27.283 ms
Loss rate: 0.12%
-- Flow 1:
Average throughput: 95.03 Mbit/s
95th percentile per-packet one-way delay: 27.283 ms
Loss rate: 0.12%

Run 2: Report of FillP — Data Link

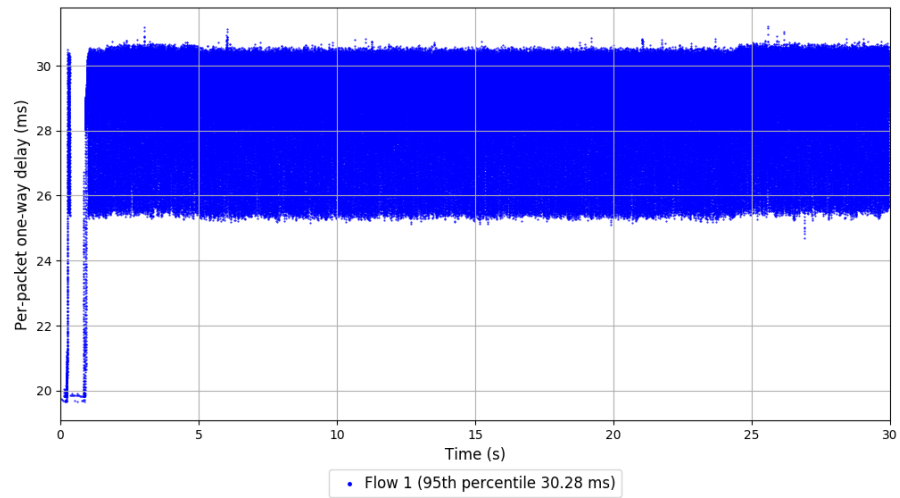
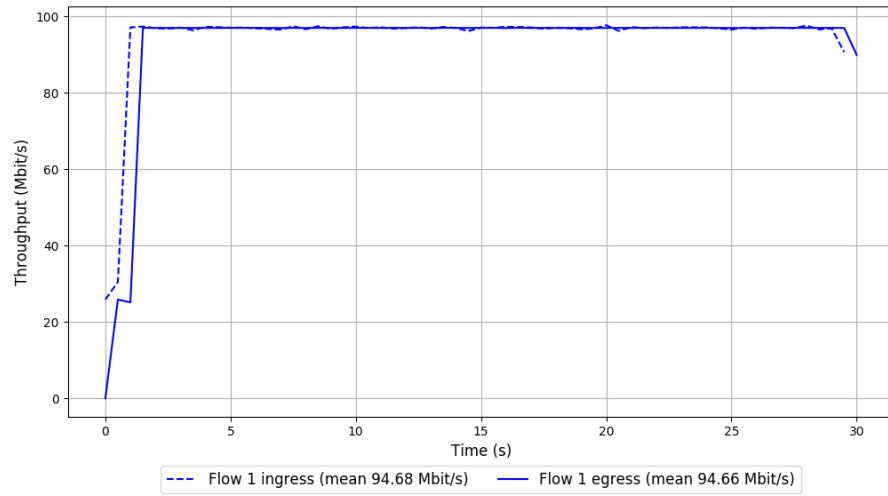


Run 3: Statistics of FillP

Start at: 2018-08-09 18:14:09
End at: 2018-08-09 18:14:39
Local clock offset: 1.518 ms
Remote clock offset: -8.173 ms

Below is generated by plot.py at 2018-08-09 20:48:27
Datalink statistics
-- Total of 1 flow:
Average throughput: 94.66 Mbit/s
95th percentile per-packet one-way delay: 30.280 ms
Loss rate: 0.11%
-- Flow 1:
Average throughput: 94.66 Mbit/s
95th percentile per-packet one-way delay: 30.280 ms
Loss rate: 0.11%

Run 3: Report of FillP — Data Link

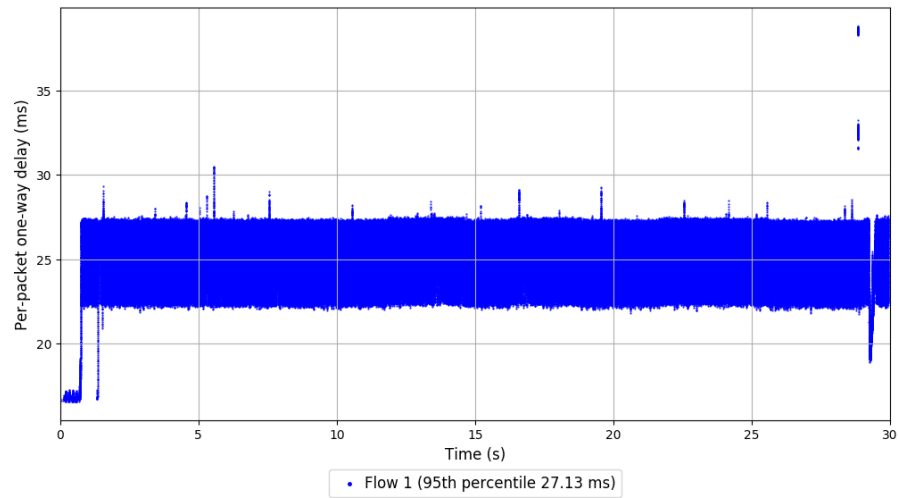
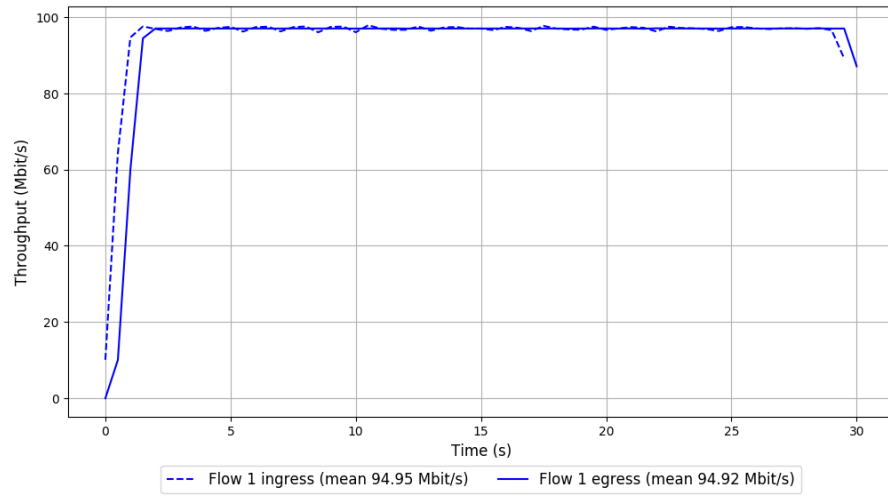


Run 4: Statistics of FillP

Start at: 2018-08-09 18:33:50
End at: 2018-08-09 18:34:20
Local clock offset: 0.401 ms
Remote clock offset: -9.783 ms

Below is generated by plot.py at 2018-08-09 20:48:29
Datalink statistics
-- Total of 1 flow:
Average throughput: 94.92 Mbit/s
95th percentile per-packet one-way delay: 27.134 ms
Loss rate: 0.12%
-- Flow 1:
Average throughput: 94.92 Mbit/s
95th percentile per-packet one-way delay: 27.134 ms
Loss rate: 0.12%

Run 4: Report of FillP — Data Link

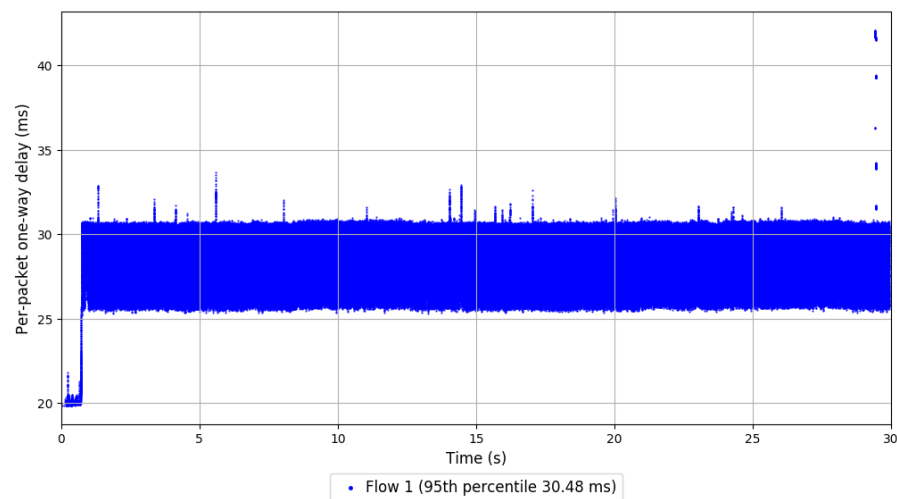
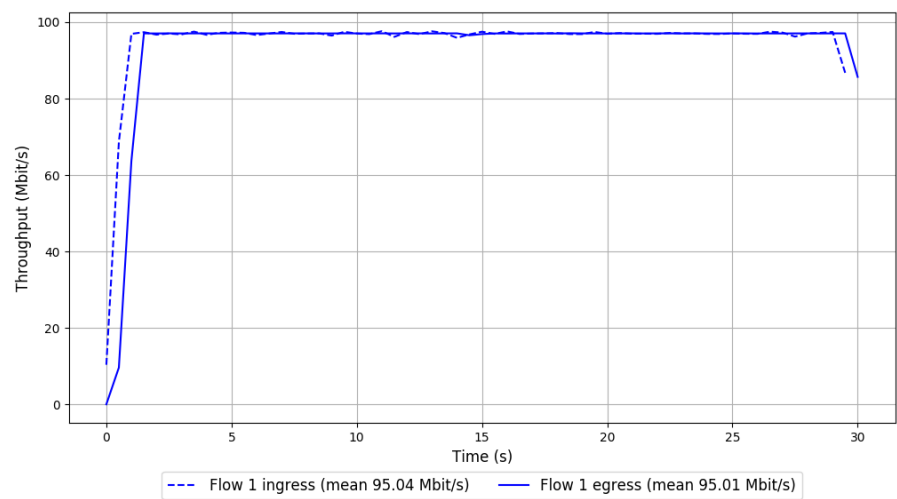


Run 5: Statistics of FillP

Start at: 2018-08-09 18:53:58
End at: 2018-08-09 18:54:28
Local clock offset: 3.133 ms
Remote clock offset: -12.058 ms

Below is generated by plot.py at 2018-08-09 20:48:31
Datalink statistics
-- Total of 1 flow:
Average throughput: 95.01 Mbit/s
95th percentile per-packet one-way delay: 30.479 ms
Loss rate: 0.12%
-- Flow 1:
Average throughput: 95.01 Mbit/s
95th percentile per-packet one-way delay: 30.479 ms
Loss rate: 0.12%

Run 5: Report of FillP — Data Link

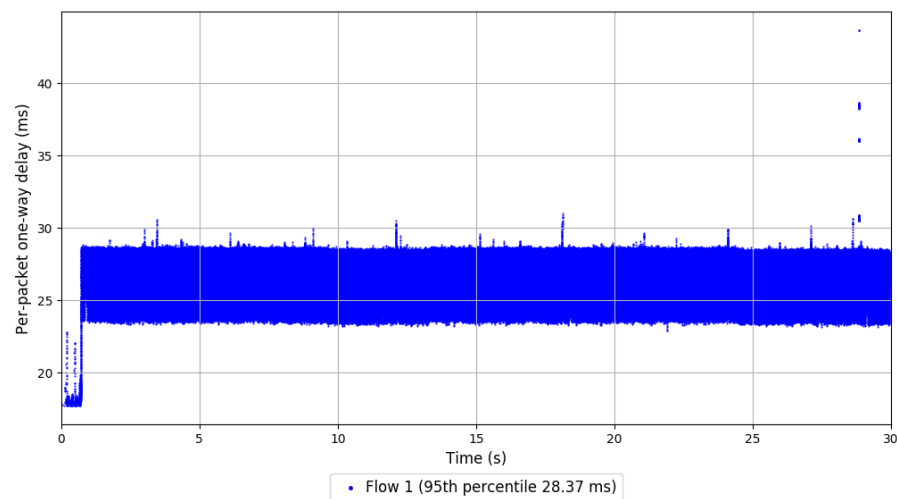
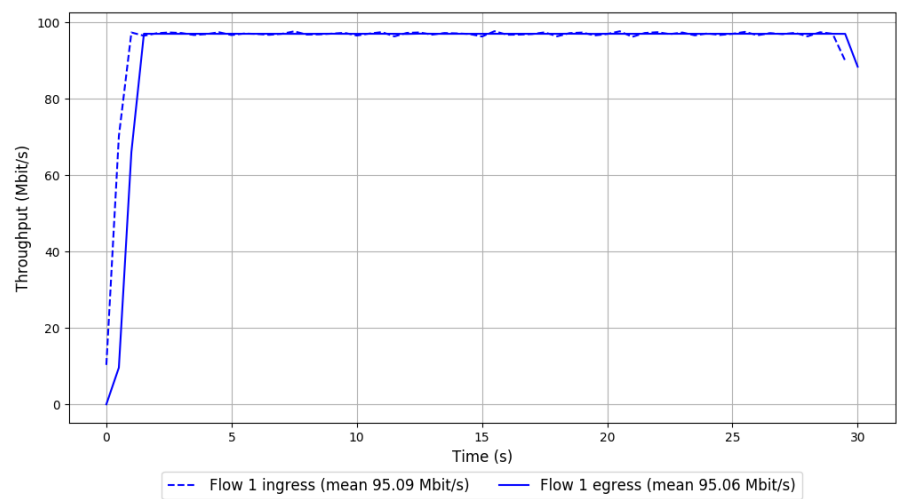


Run 6: Statistics of FillP

Start at: 2018-08-09 19:14:06
End at: 2018-08-09 19:14:36
Local clock offset: 0.472 ms
Remote clock offset: -14.542 ms

Below is generated by plot.py at 2018-08-09 20:48:33
Datalink statistics
-- Total of 1 flow:
Average throughput: 95.06 Mbit/s
95th percentile per-packet one-way delay: 28.373 ms
Loss rate: 0.12%
-- Flow 1:
Average throughput: 95.06 Mbit/s
95th percentile per-packet one-way delay: 28.373 ms
Loss rate: 0.12%

Run 6: Report of FillP — Data Link

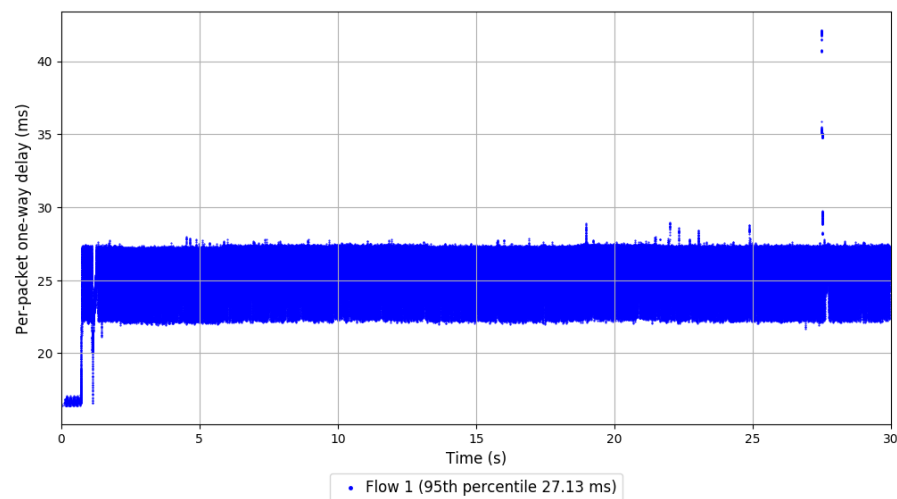
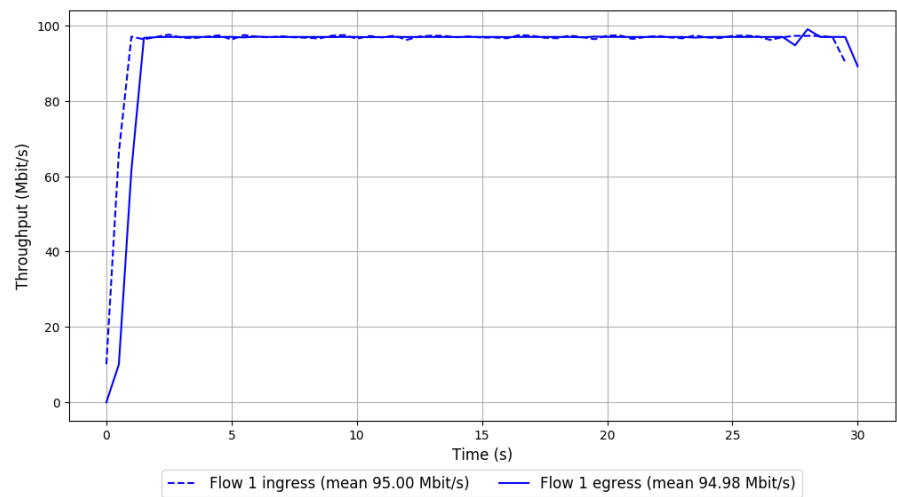


Run 7: Statistics of FillP

Start at: 2018-08-09 19:34:12
End at: 2018-08-09 19:34:42
Local clock offset: 0.314 ms
Remote clock offset: -14.001 ms

Below is generated by plot.py at 2018-08-09 20:48:39
Datalink statistics
-- Total of 1 flow:
Average throughput: 94.98 Mbit/s
95th percentile per-packet one-way delay: 27.127 ms
Loss rate: 0.12%
-- Flow 1:
Average throughput: 94.98 Mbit/s
95th percentile per-packet one-way delay: 27.127 ms
Loss rate: 0.12%

Run 7: Report of FillP — Data Link

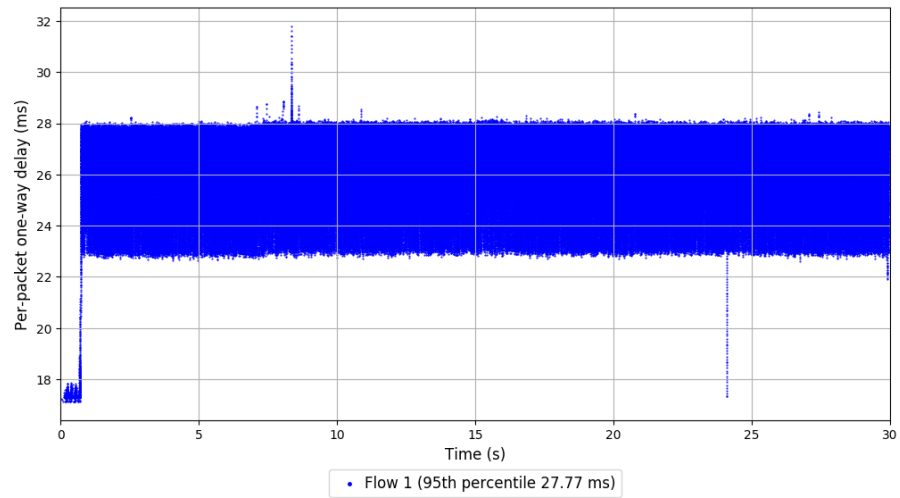
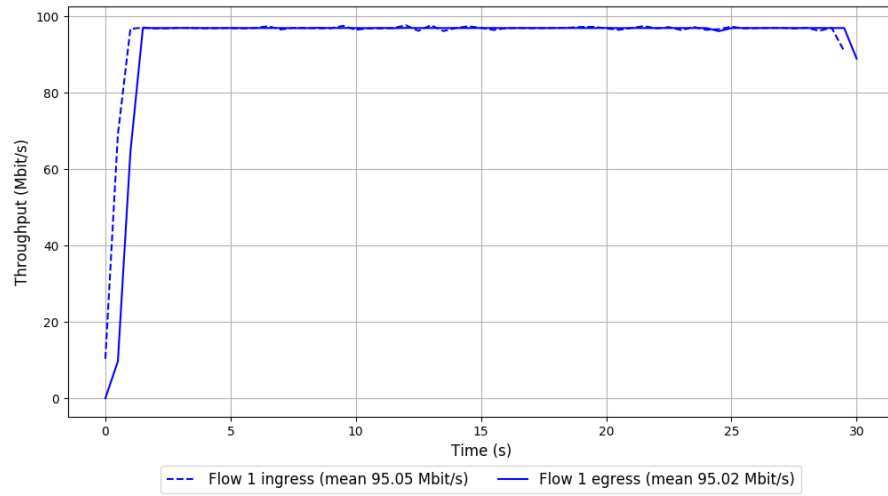


Run 8: Statistics of FillP

Start at: 2018-08-09 19:54:07
End at: 2018-08-09 19:54:37
Local clock offset: 0.821 ms
Remote clock offset: -13.333 ms

Below is generated by plot.py at 2018-08-09 20:48:42
Datalink statistics
-- Total of 1 flow:
Average throughput: 95.02 Mbit/s
95th percentile per-packet one-way delay: 27.773 ms
Loss rate: 0.12%
-- Flow 1:
Average throughput: 95.02 Mbit/s
95th percentile per-packet one-way delay: 27.773 ms
Loss rate: 0.12%

Run 8: Report of FillP — Data Link

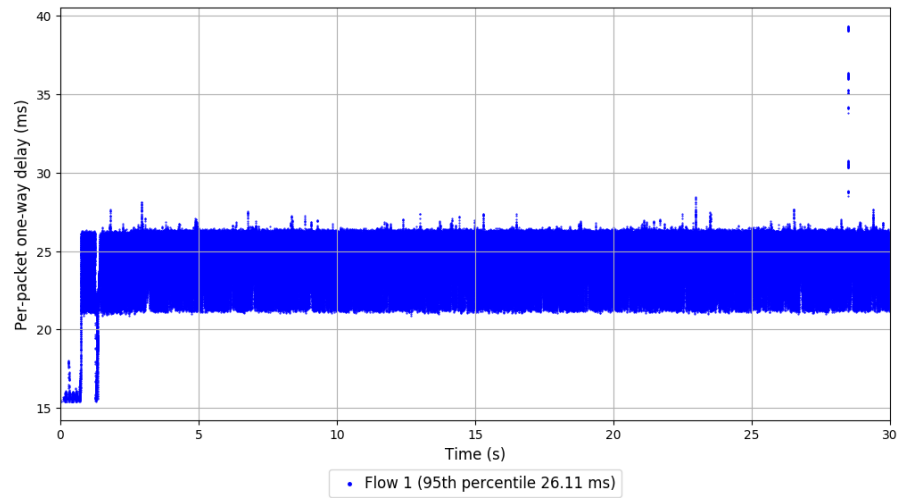
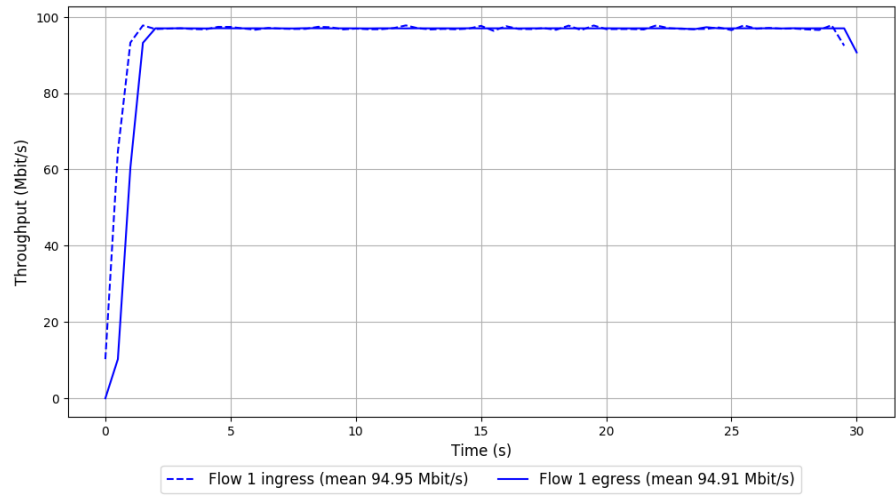


Run 9: Statistics of FillP

Start at: 2018-08-09 20:13:53
End at: 2018-08-09 20:14:23
Local clock offset: 0.235 ms
Remote clock offset: -12.766 ms

Below is generated by plot.py at 2018-08-09 20:49:22
Datalink statistics
-- Total of 1 flow:
Average throughput: 94.91 Mbit/s
95th percentile per-packet one-way delay: 26.110 ms
Loss rate: 0.12%
-- Flow 1:
Average throughput: 94.91 Mbit/s
95th percentile per-packet one-way delay: 26.110 ms
Loss rate: 0.12%

Run 9: Report of FillP — Data Link

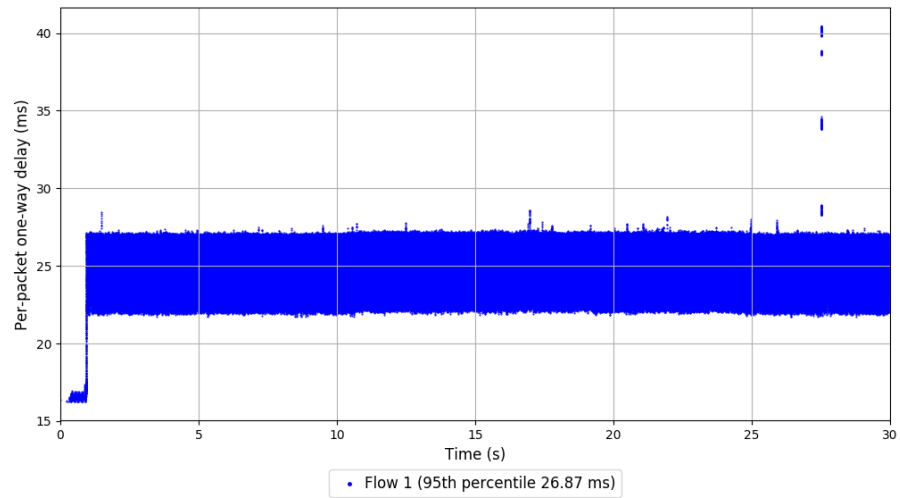
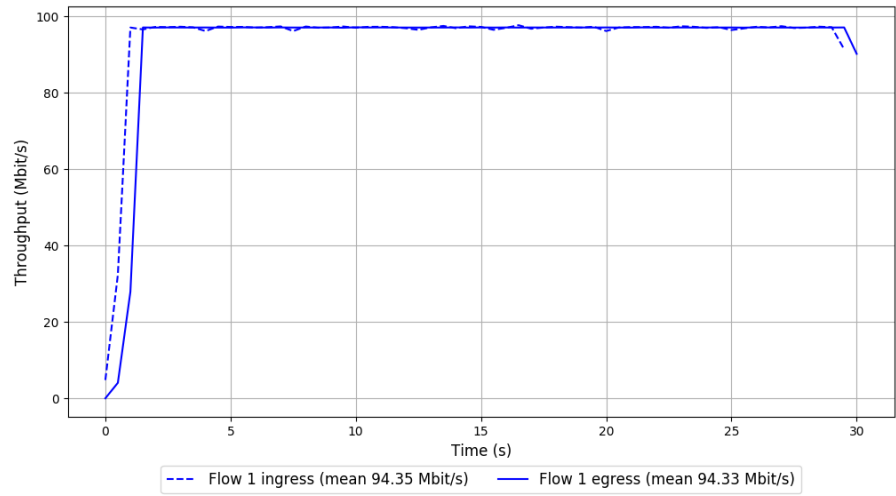


Run 10: Statistics of FillP

Start at: 2018-08-09 20:33:37
End at: 2018-08-09 20:34:07
Local clock offset: 0.996 ms
Remote clock offset: -12.719 ms

Below is generated by plot.py at 2018-08-09 20:49:27
Datalink statistics
-- Total of 1 flow:
Average throughput: 94.33 Mbit/s
95th percentile per-packet one-way delay: 26.866 ms
Loss rate: 0.11%
-- Flow 1:
Average throughput: 94.33 Mbit/s
95th percentile per-packet one-way delay: 26.866 ms
Loss rate: 0.11%

Run 10: Report of FillP — Data Link



Run 1: Statistics of FillP-Sheep

Start at: 2018-08-09 17:36:38

End at: 2018-08-09 17:37:08

Local clock offset: 0.062 ms

Remote clock offset: -6.424 ms

Below is generated by plot.py at 2018-08-09 20:49:47

Datalink statistics

-- Total of 1 flow:

Average throughput: 94.96 Mbit/s

95th percentile per-packet one-way delay: 27.330 ms

Loss rate: 0.25%

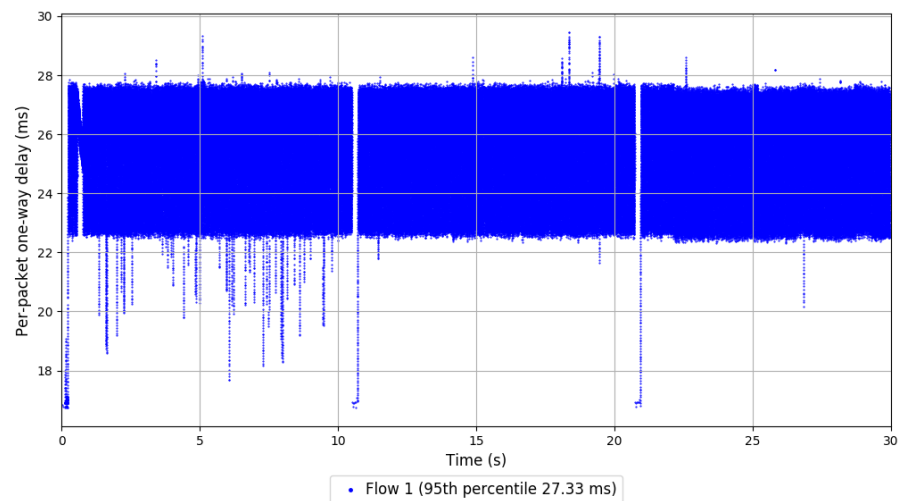
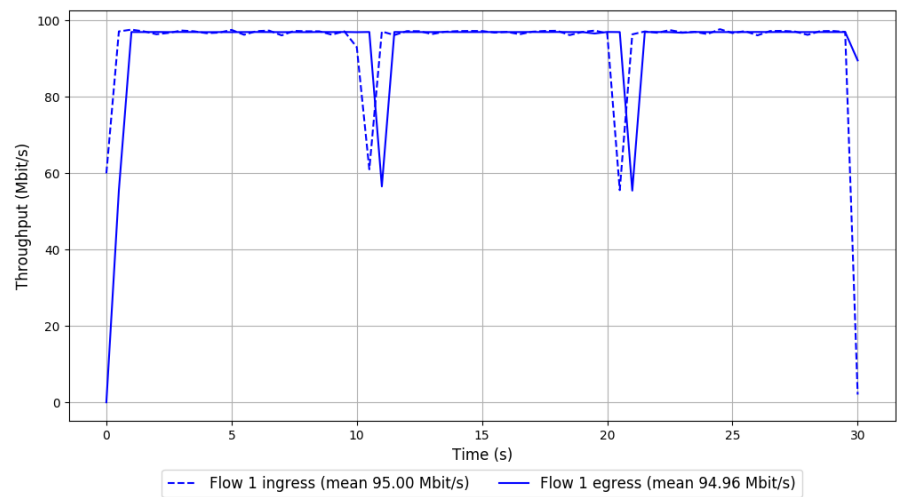
-- Flow 1:

Average throughput: 94.96 Mbit/s

95th percentile per-packet one-way delay: 27.330 ms

Loss rate: 0.25%

Run 1: Report of FillP-Sheep — Data Link

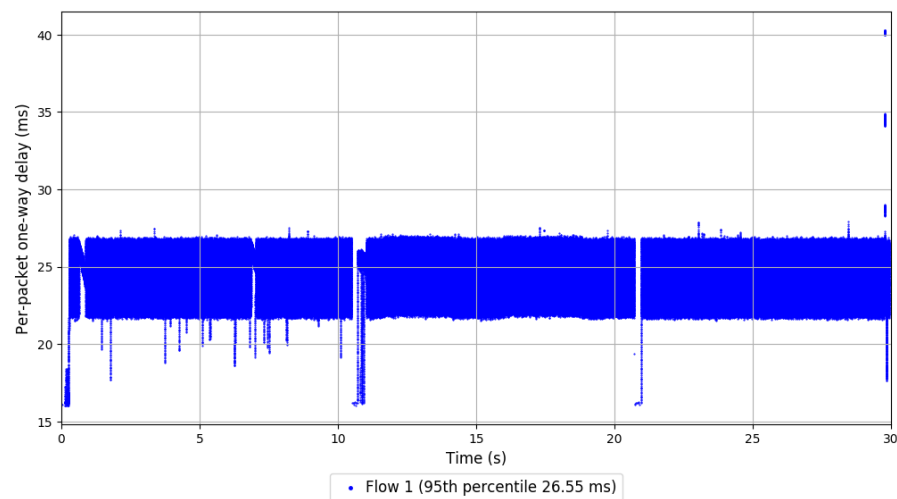
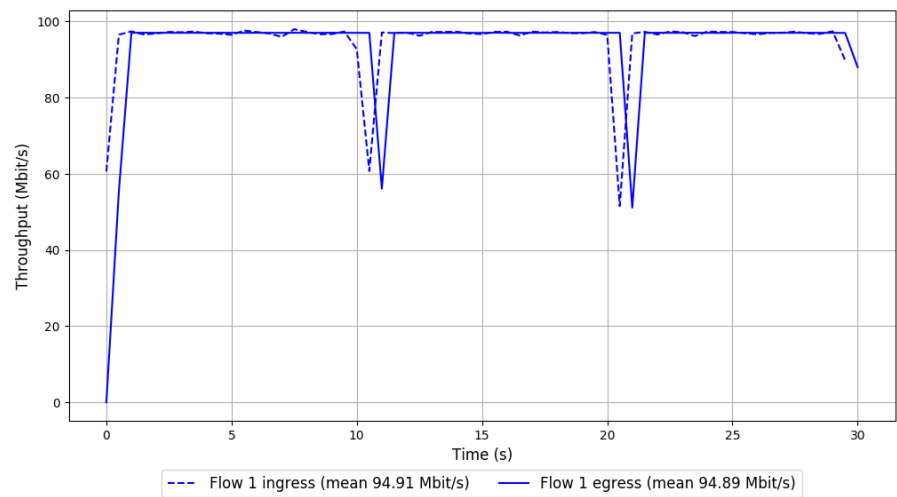


Run 2: Statistics of FillP-Sheep

Start at: 2018-08-09 17:56:20
End at: 2018-08-09 17:56:50
Local clock offset: -1.415 ms
Remote clock offset: -7.326 ms

Below is generated by plot.py at 2018-08-09 20:49:48
Datalink statistics
-- Total of 1 flow:
Average throughput: 94.89 Mbit/s
95th percentile per-packet one-way delay: 26.553 ms
Loss rate: 0.12%
-- Flow 1:
Average throughput: 94.89 Mbit/s
95th percentile per-packet one-way delay: 26.553 ms
Loss rate: 0.12%

Run 2: Report of FillP-Sheep — Data Link

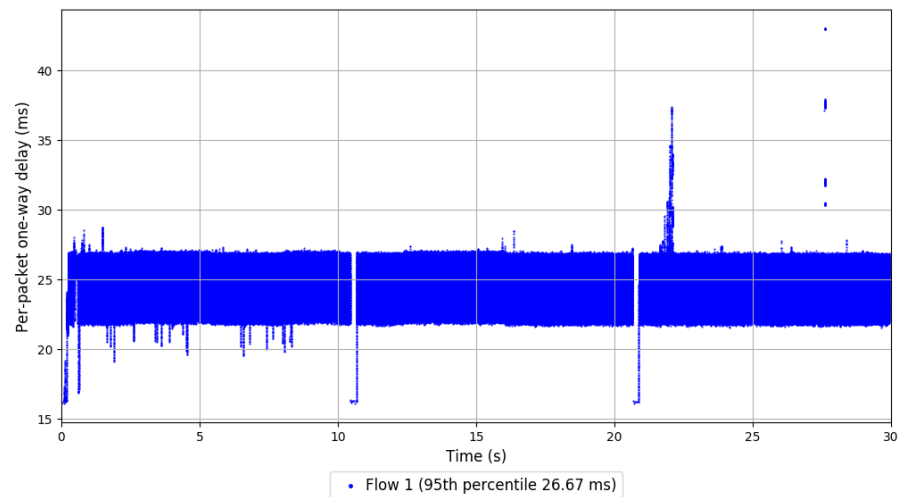
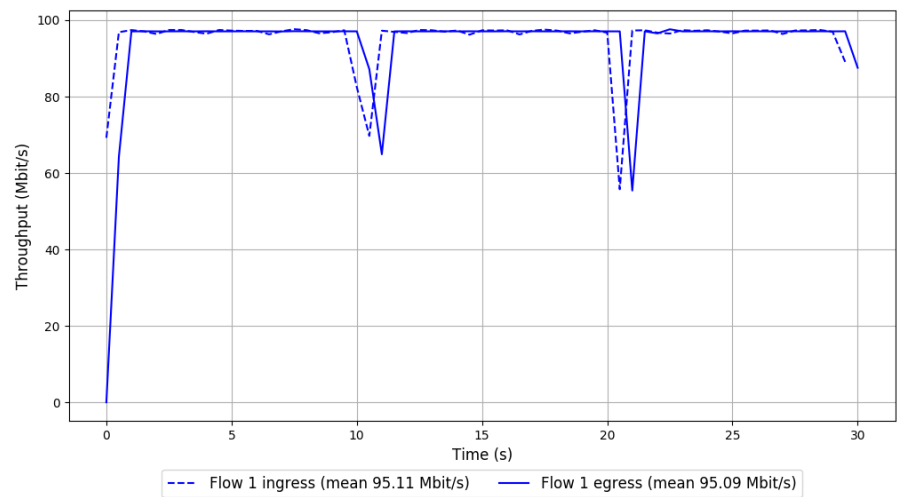


Run 3: Statistics of FillP-Sheep

Start at: 2018-08-09 18:16:36
End at: 2018-08-09 18:17:06
Local clock offset: -0.951 ms
Remote clock offset: -7.233 ms

Below is generated by plot.py at 2018-08-09 20:49:50
Datalink statistics
-- Total of 1 flow:
Average throughput: 95.09 Mbit/s
95th percentile per-packet one-way delay: 26.669 ms
Loss rate: 0.12%
-- Flow 1:
Average throughput: 95.09 Mbit/s
95th percentile per-packet one-way delay: 26.669 ms
Loss rate: 0.12%

Run 3: Report of FillP-Sheep — Data Link



Run 4: Statistics of FillP-Sheep

Start at: 2018-08-09 18:36:23

End at: 2018-08-09 18:36:53

Local clock offset: -1.959 ms

Remote clock offset: -10.443 ms

Below is generated by plot.py at 2018-08-09 20:49:52

Datalink statistics

-- Total of 1 flow:

Average throughput: 95.18 Mbit/s

95th percentile per-packet one-way delay: 24.907 ms

Loss rate: 0.12%

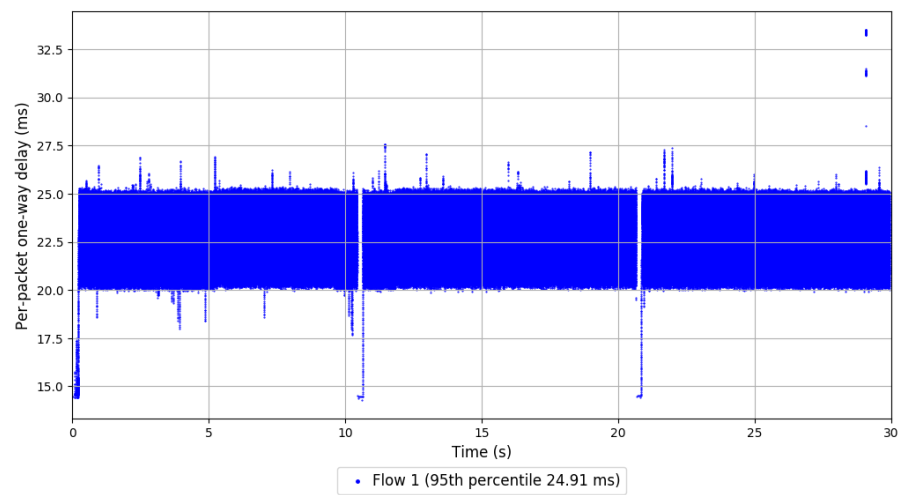
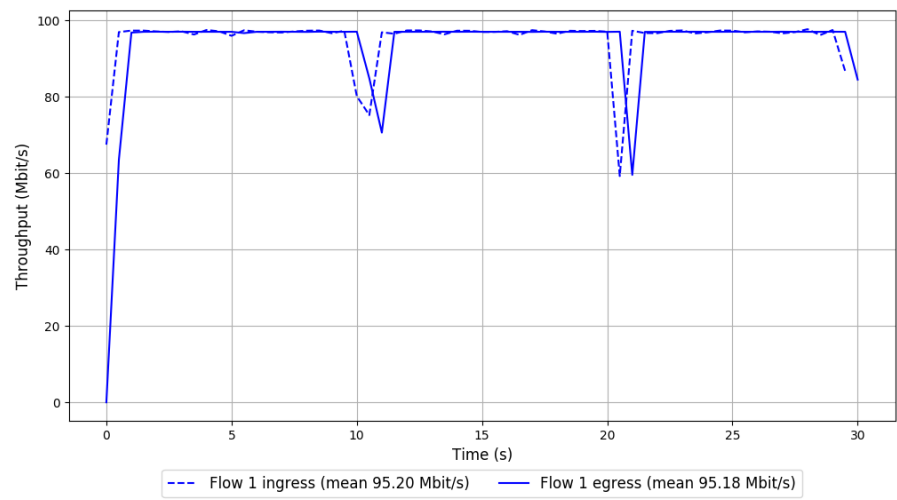
-- Flow 1:

Average throughput: 95.18 Mbit/s

95th percentile per-packet one-way delay: 24.907 ms

Loss rate: 0.12%

Run 4: Report of FillP-Sheep — Data Link



Run 5: Statistics of FillP-Sheep

Start at: 2018-08-09 18:56:19

End at: 2018-08-09 18:56:49

Local clock offset: 0.635 ms

Remote clock offset: -11.774 ms

Below is generated by plot.py at 2018-08-09 20:49:58

Datalink statistics

-- Total of 1 flow:

Average throughput: 93.48 Mbit/s

95th percentile per-packet one-way delay: 27.590 ms

Loss rate: 0.10%

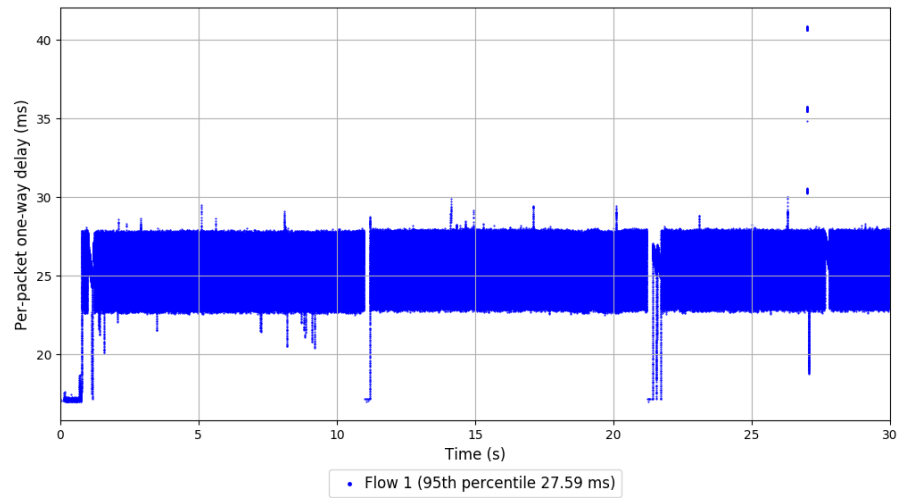
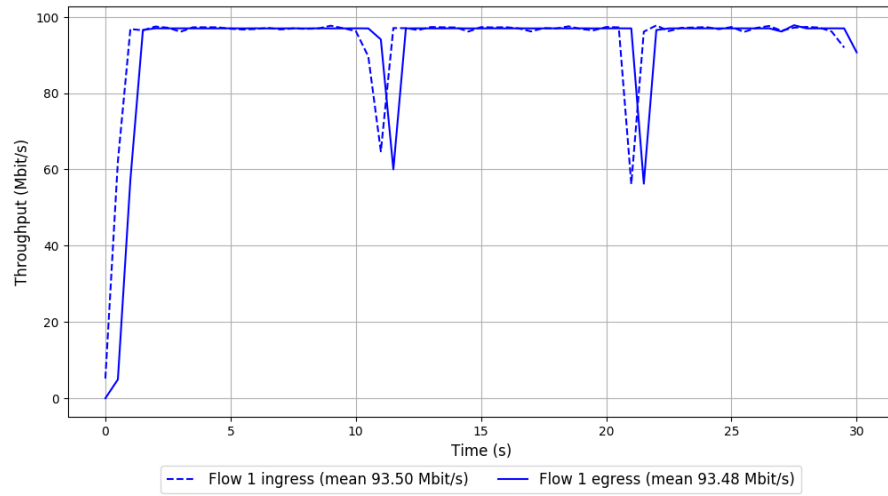
-- Flow 1:

Average throughput: 93.48 Mbit/s

95th percentile per-packet one-way delay: 27.590 ms

Loss rate: 0.10%

Run 5: Report of FillP-Sheep — Data Link



Run 6: Statistics of FillP-Sheep

Start at: 2018-08-09 19:16:34

End at: 2018-08-09 19:17:04

Local clock offset: 2.312 ms

Remote clock offset: -14.534 ms

Below is generated by plot.py at 2018-08-09 20:50:02

Datalink statistics

-- Total of 1 flow:

Average throughput: 95.03 Mbit/s

95th percentile per-packet one-way delay: 29.981 ms

Loss rate: 0.11%

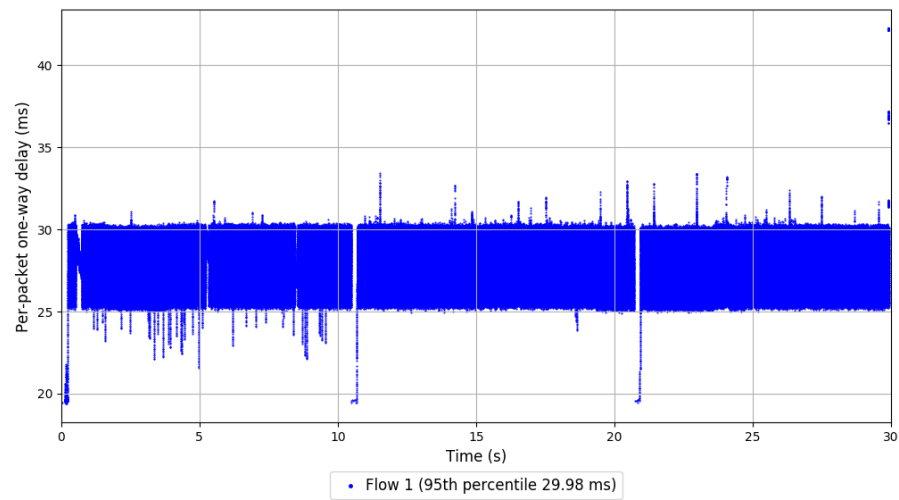
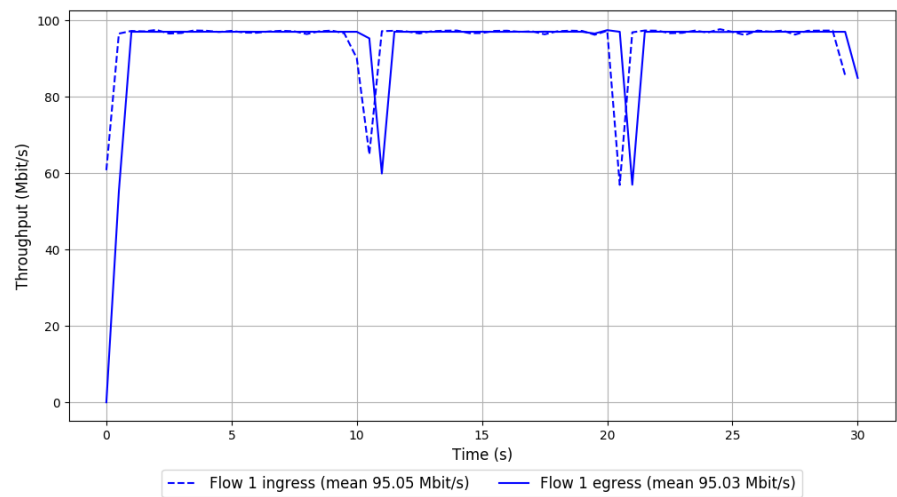
-- Flow 1:

Average throughput: 95.03 Mbit/s

95th percentile per-packet one-way delay: 29.981 ms

Loss rate: 0.11%

Run 6: Report of FillP-Sheep — Data Link

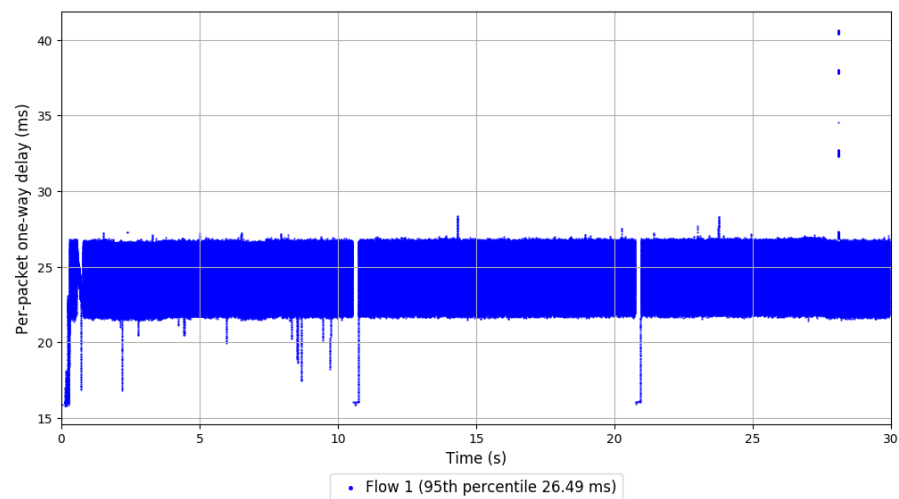
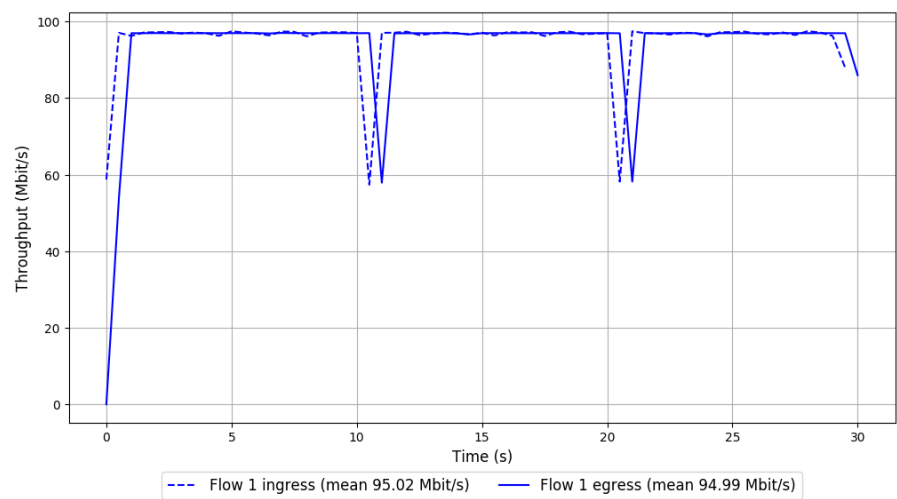


Run 7: Statistics of FillP-Sheep

Start at: 2018-08-09 19:36:35
End at: 2018-08-09 19:37:05
Local clock offset: -1.117 ms
Remote clock offset: -14.221 ms

Below is generated by plot.py at 2018-08-09 20:50:47
Datalink statistics
-- Total of 1 flow:
Average throughput: 94.99 Mbit/s
95th percentile per-packet one-way delay: 26.492 ms
Loss rate: 0.11%
-- Flow 1:
Average throughput: 94.99 Mbit/s
95th percentile per-packet one-way delay: 26.492 ms
Loss rate: 0.11%

Run 7: Report of FillP-Sheep — Data Link



Run 8: Statistics of FillP-Sheep

Start at: 2018-08-09 19:56:30

End at: 2018-08-09 19:57:00

Local clock offset: 2.107 ms

Remote clock offset: -11.797 ms

Below is generated by plot.py at 2018-08-09 20:50:51

Datalink statistics

-- Total of 1 flow:

Average throughput: 95.08 Mbit/s

95th percentile per-packet one-way delay: 27.250 ms

Loss rate: 0.11%

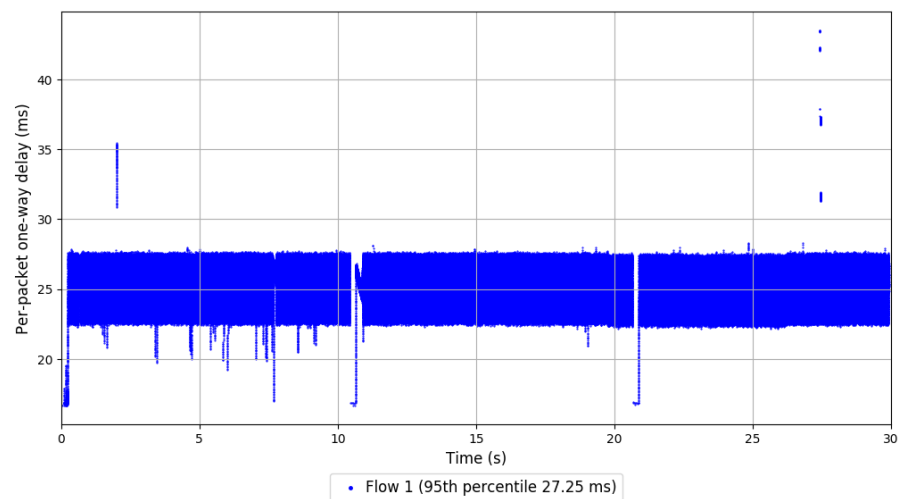
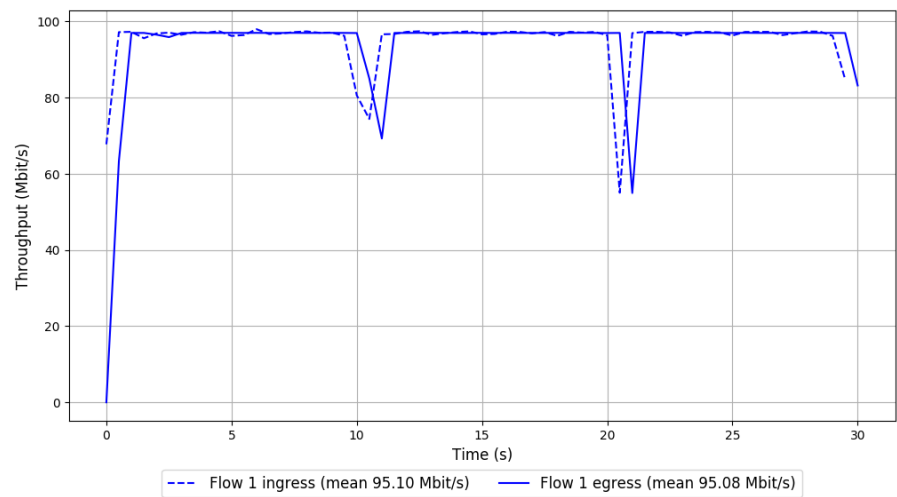
-- Flow 1:

Average throughput: 95.08 Mbit/s

95th percentile per-packet one-way delay: 27.250 ms

Loss rate: 0.11%

Run 8: Report of FillP-Sheep — Data Link



Run 9: Statistics of FillP-Sheep

Start at: 2018-08-09 20:16:17

End at: 2018-08-09 20:16:47

Local clock offset: 2.768 ms

Remote clock offset: -11.913 ms

Below is generated by plot.py at 2018-08-09 20:51:04

Datalink statistics

-- Total of 1 flow:

Average throughput: 95.12 Mbit/s

95th percentile per-packet one-way delay: 27.759 ms

Loss rate: 0.12%

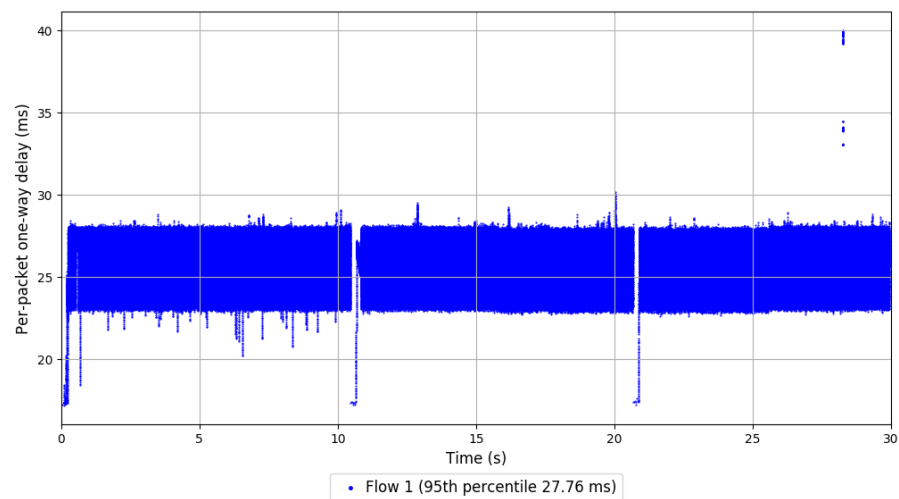
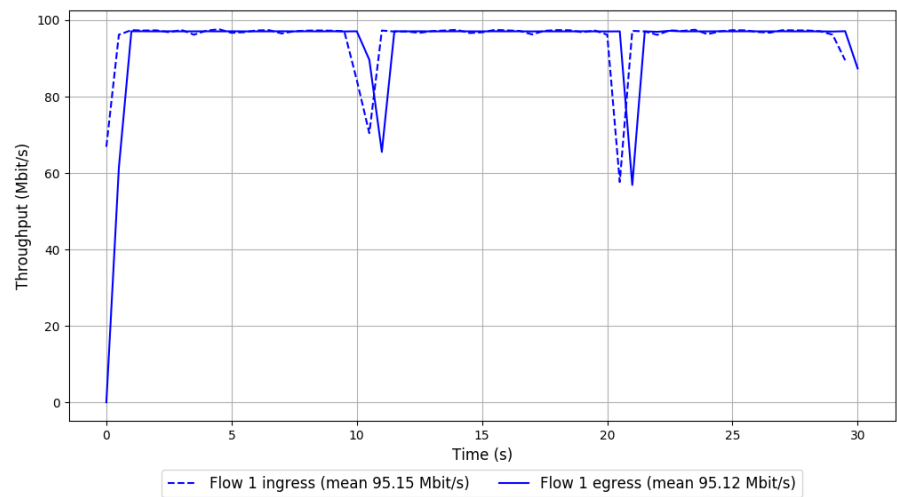
-- Flow 1:

Average throughput: 95.12 Mbit/s

95th percentile per-packet one-way delay: 27.759 ms

Loss rate: 0.12%

Run 9: Report of FillP-Sheep — Data Link

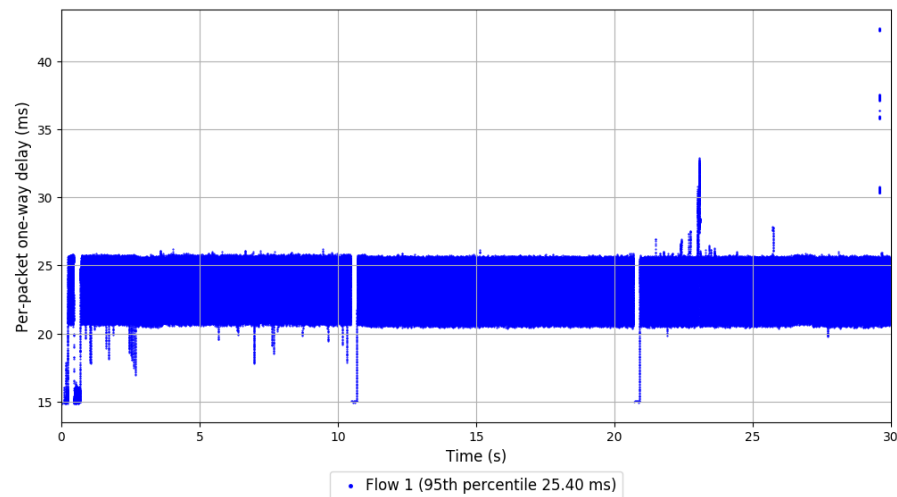
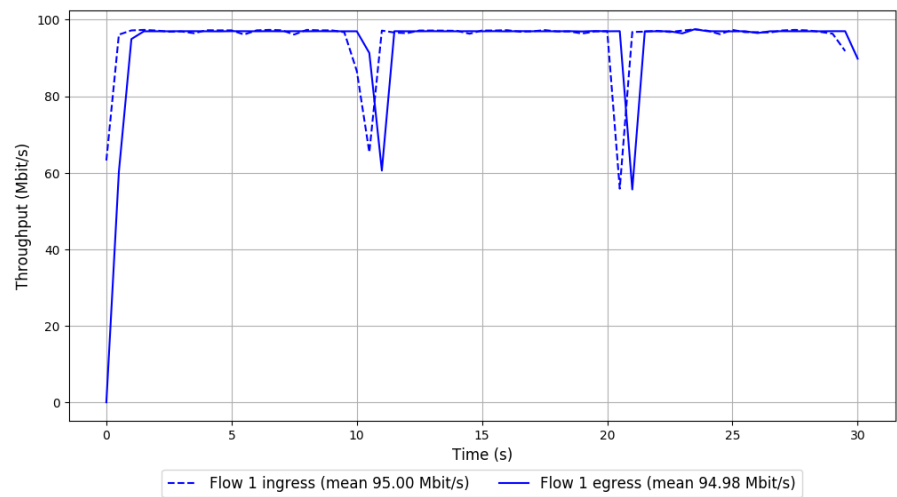


Run 10: Statistics of FillP-Sheep

Start at: 2018-08-09 20:35:58
End at: 2018-08-09 20:36:28
Local clock offset: -4.985 ms
Remote clock offset: -17.29 ms

Below is generated by plot.py at 2018-08-09 20:51:05
Datalink statistics
-- Total of 1 flow:
Average throughput: 94.98 Mbit/s
95th percentile per-packet one-way delay: 25.403 ms
Loss rate: 0.11%
-- Flow 1:
Average throughput: 94.98 Mbit/s
95th percentile per-packet one-way delay: 25.403 ms
Loss rate: 0.11%

Run 10: Report of FillP-Sheep — Data Link

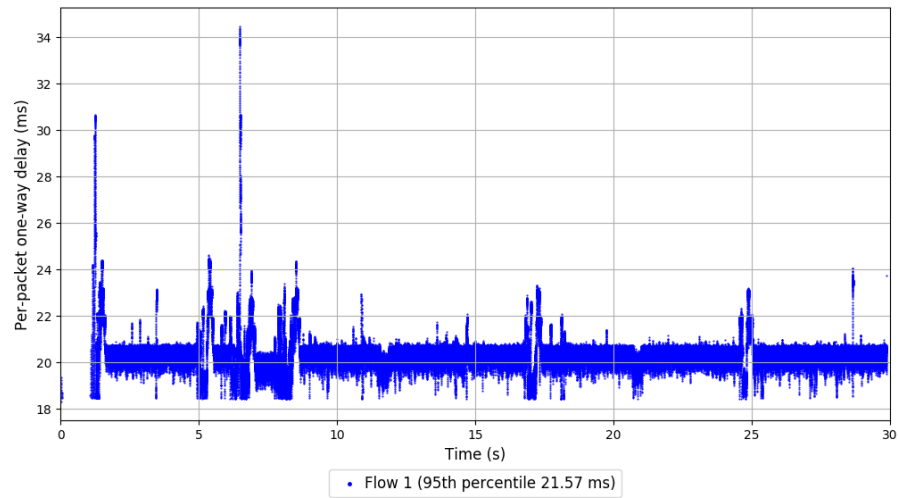
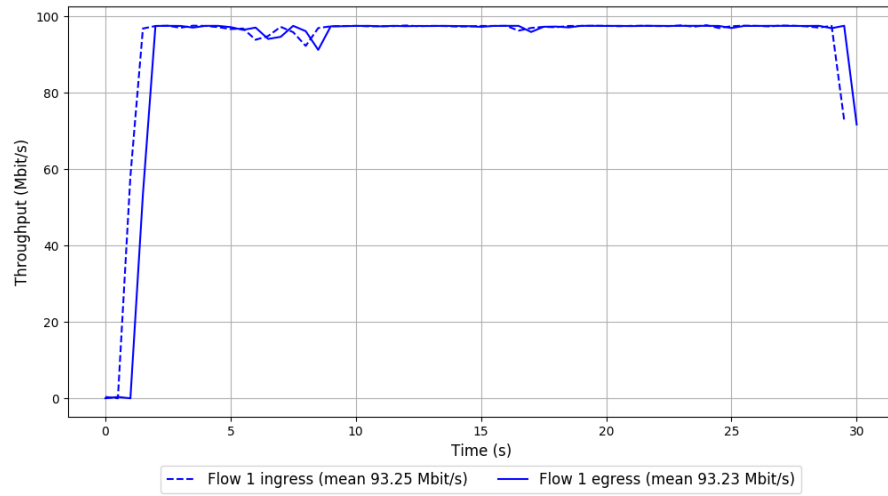


```
Run 1: Statistics of Indigo

Start at: 2018-08-09 17:33:02
End at: 2018-08-09 17:33:32
Local clock offset: 1.603 ms
Remote clock offset: -6.32 ms

# Below is generated by plot.py at 2018-08-09 20:51:05
# Datalink statistics
-- Total of 1 flow:
Average throughput: 93.23 Mbit/s
95th percentile per-packet one-way delay: 21.571 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 93.23 Mbit/s
95th percentile per-packet one-way delay: 21.571 ms
Loss rate: 0.09%
```

Run 1: Report of Indigo — Data Link

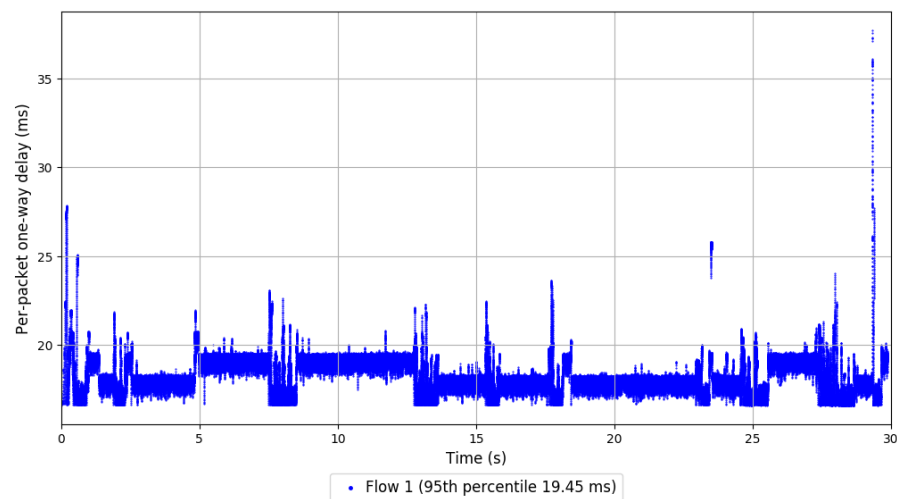
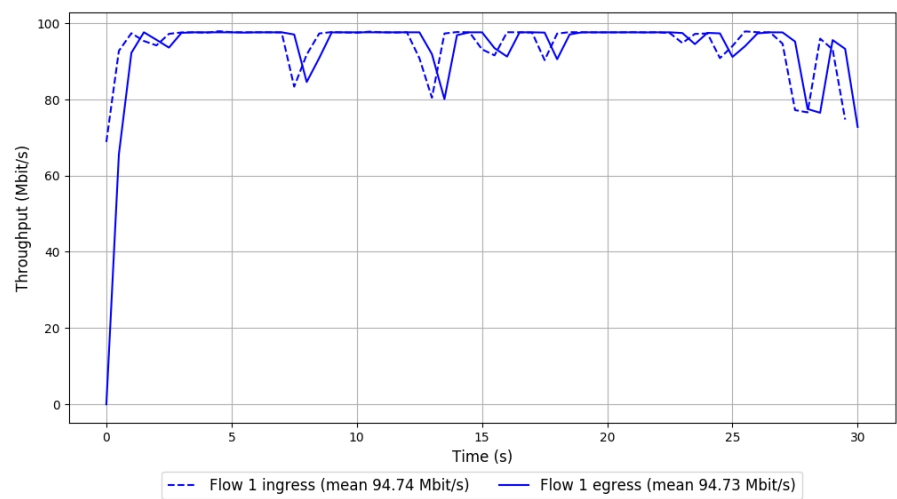


Run 2: Statistics of Indigo

Start at: 2018-08-09 17:52:46
End at: 2018-08-09 17:53:16
Local clock offset: -0.716 ms
Remote clock offset: -6.904 ms

Below is generated by plot.py at 2018-08-09 20:51:05
Datalink statistics
-- Total of 1 flow:
Average throughput: 94.73 Mbit/s
95th percentile per-packet one-way delay: 19.447 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 94.73 Mbit/s
95th percentile per-packet one-way delay: 19.447 ms
Loss rate: 0.09%

Run 2: Report of Indigo — Data Link

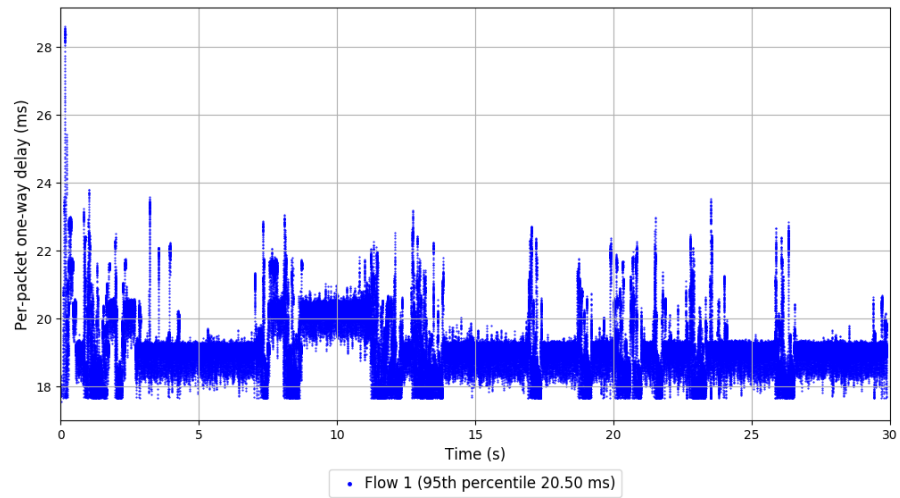
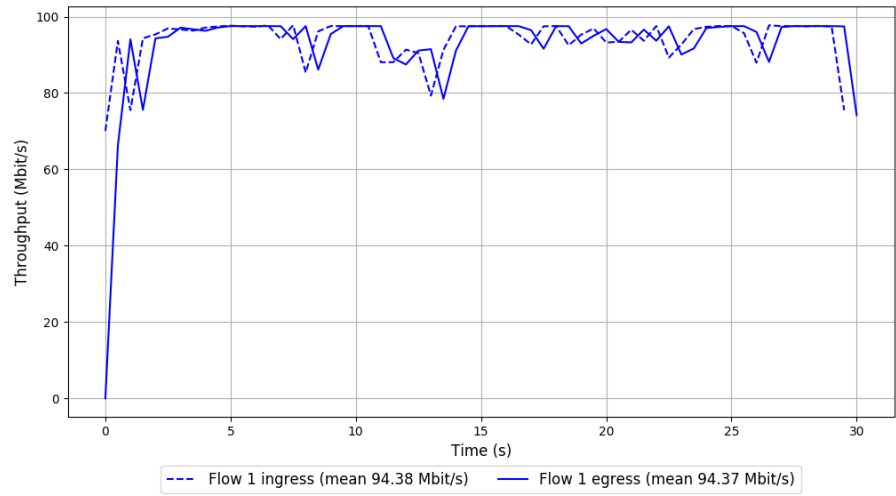


Run 3: Statistics of Indigo

Start at: 2018-08-09 18:12:58
End at: 2018-08-09 18:13:28
Local clock offset: -0.167 ms
Remote clock offset: -7.682 ms

Below is generated by plot.py at 2018-08-09 20:51:06
Datalink statistics
-- Total of 1 flow:
Average throughput: 94.37 Mbit/s
95th percentile per-packet one-way delay: 20.499 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 94.37 Mbit/s
95th percentile per-packet one-way delay: 20.499 ms
Loss rate: 0.09%

Run 3: Report of Indigo — Data Link

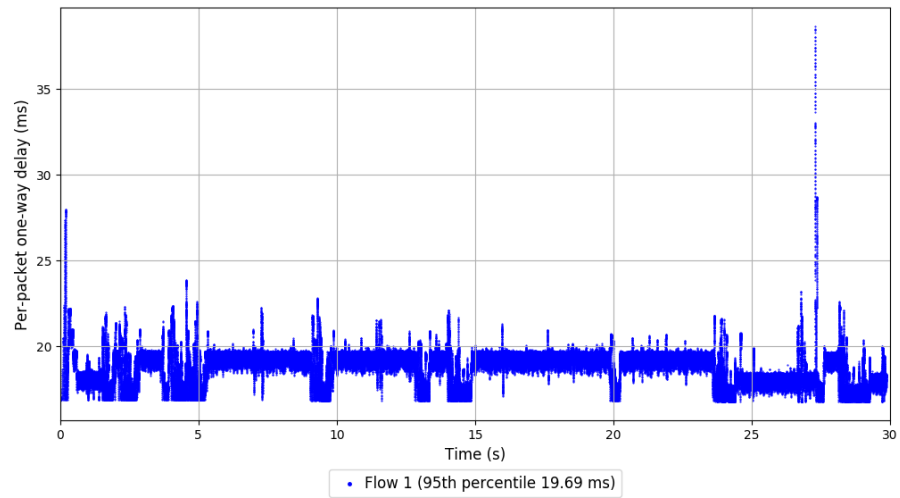
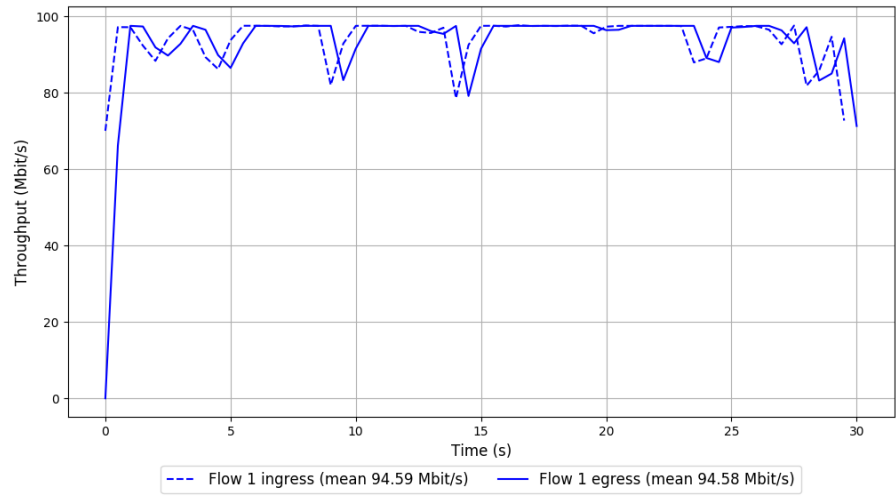


Run 4: Statistics of Indigo

Start at: 2018-08-09 18:32:39
End at: 2018-08-09 18:33:09
Local clock offset: 1.309 ms
Remote clock offset: -8.771 ms

Below is generated by plot.py at 2018-08-09 20:51:10
Datalink statistics
-- Total of 1 flow:
Average throughput: 94.58 Mbit/s
95th percentile per-packet one-way delay: 19.687 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 94.58 Mbit/s
95th percentile per-packet one-way delay: 19.687 ms
Loss rate: 0.09%

Run 4: Report of Indigo — Data Link

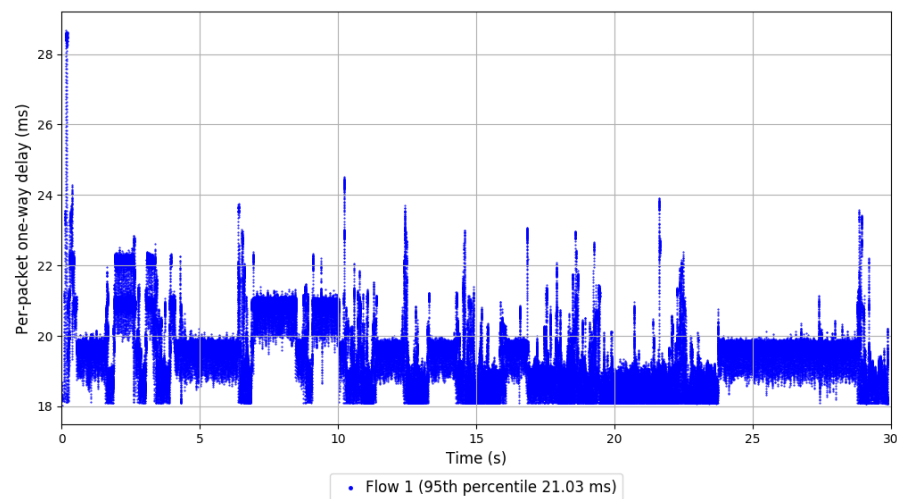
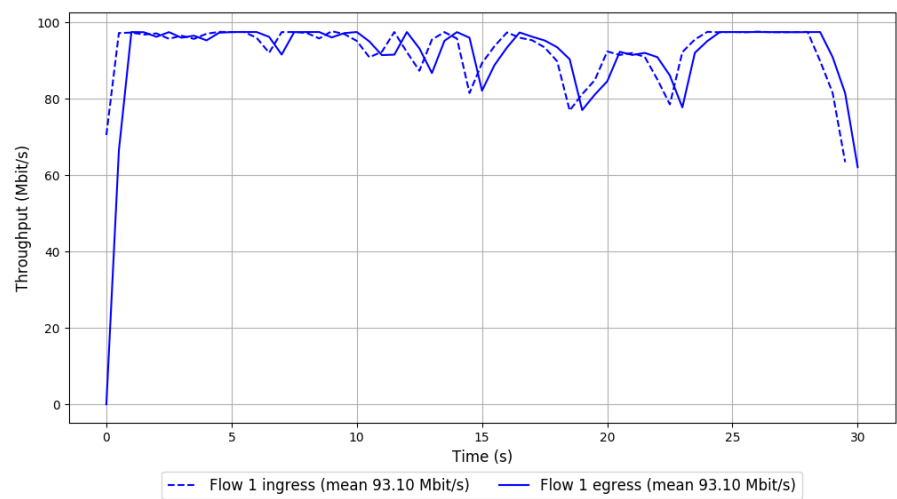


Run 5: Statistics of Indigo

Start at: 2018-08-09 18:52:46
End at: 2018-08-09 18:53:16
Local clock offset: 0.731 ms
Remote clock offset: -12.496 ms

Below is generated by plot.py at 2018-08-09 20:51:51
Datalink statistics
-- Total of 1 flow:
Average throughput: 93.10 Mbit/s
95th percentile per-packet one-way delay: 21.034 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 93.10 Mbit/s
95th percentile per-packet one-way delay: 21.034 ms
Loss rate: 0.08%

Run 5: Report of Indigo — Data Link

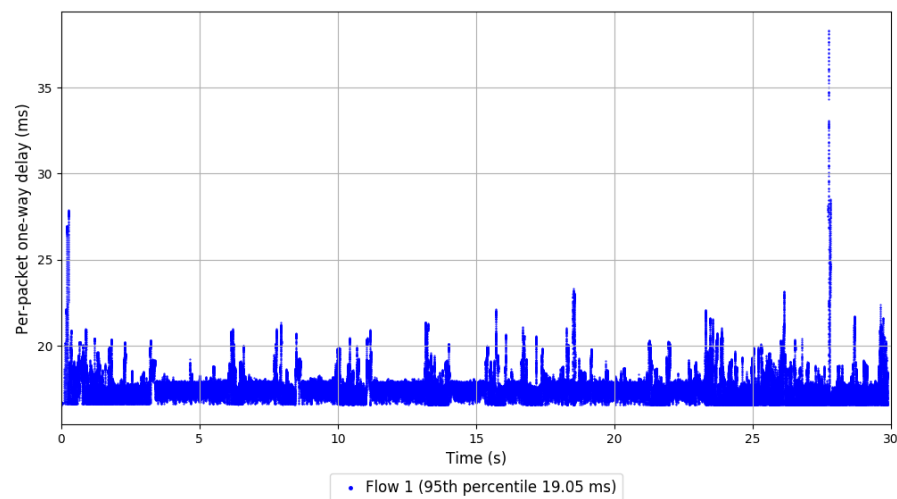
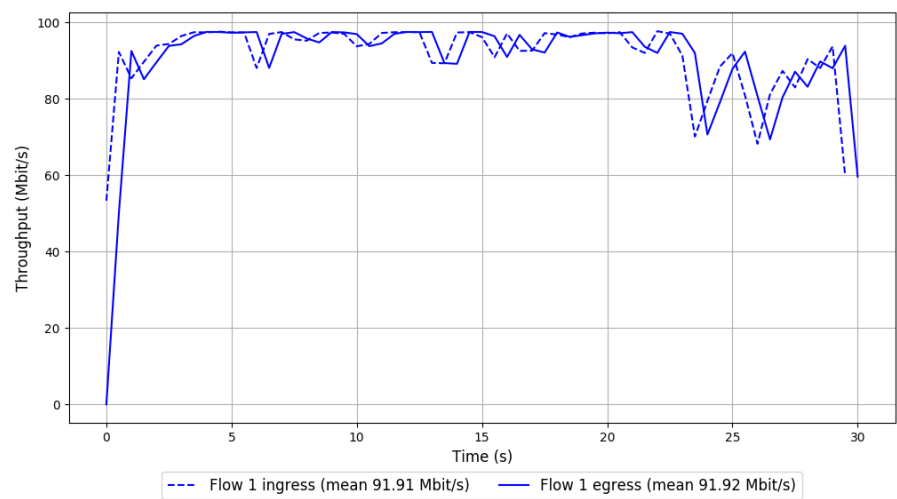


Run 6: Statistics of Indigo

Start at: 2018-08-09 19:12:56
End at: 2018-08-09 19:13:26
Local clock offset: -0.495 ms
Remote clock offset: -14.134 ms

Below is generated by plot.py at 2018-08-09 20:51:52
Datalink statistics
-- Total of 1 flow:
Average throughput: 91.92 Mbit/s
95th percentile per-packet one-way delay: 19.052 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 91.92 Mbit/s
95th percentile per-packet one-way delay: 19.052 ms
Loss rate: 0.06%

Run 6: Report of Indigo — Data Link

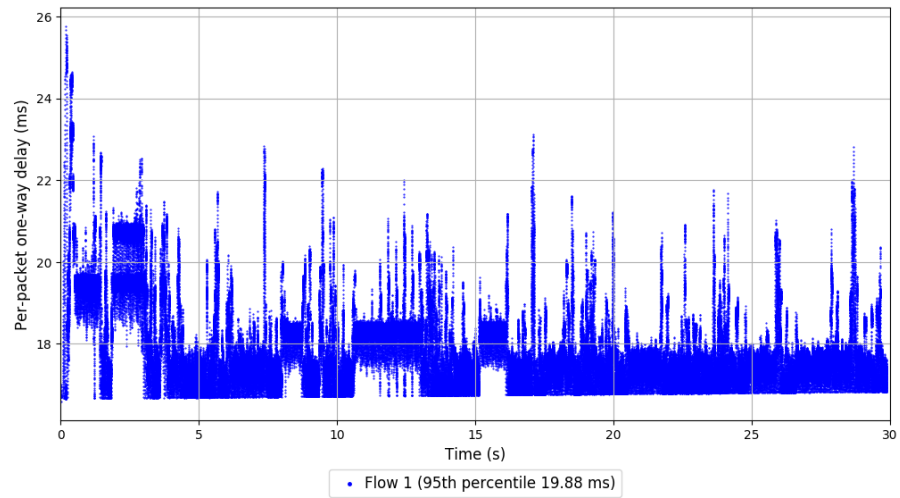
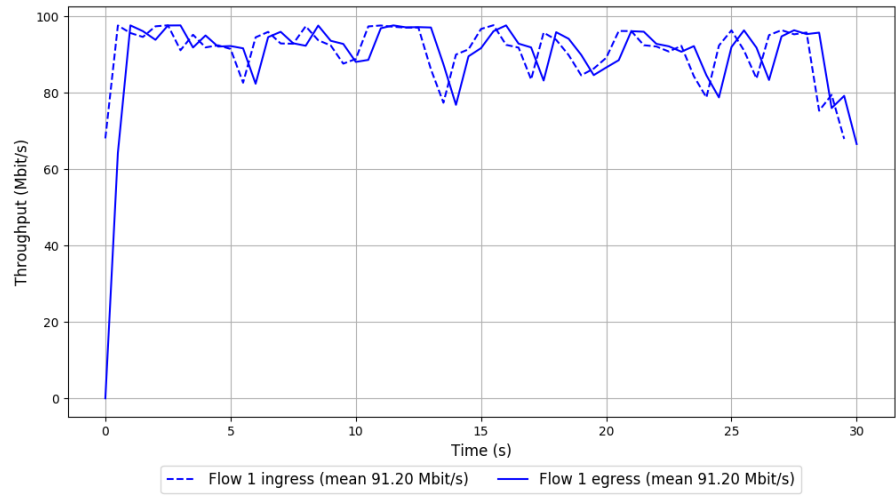


Run 7: Statistics of Indigo

Start at: 2018-08-09 19:33:02
End at: 2018-08-09 19:33:32
Local clock offset: -0.57 ms
Remote clock offset: -15.367 ms

Below is generated by plot.py at 2018-08-09 20:51:59
Datalink statistics
-- Total of 1 flow:
Average throughput: 91.20 Mbit/s
95th percentile per-packet one-way delay: 19.876 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 91.20 Mbit/s
95th percentile per-packet one-way delay: 19.876 ms
Loss rate: 0.08%

Run 7: Report of Indigo — Data Link

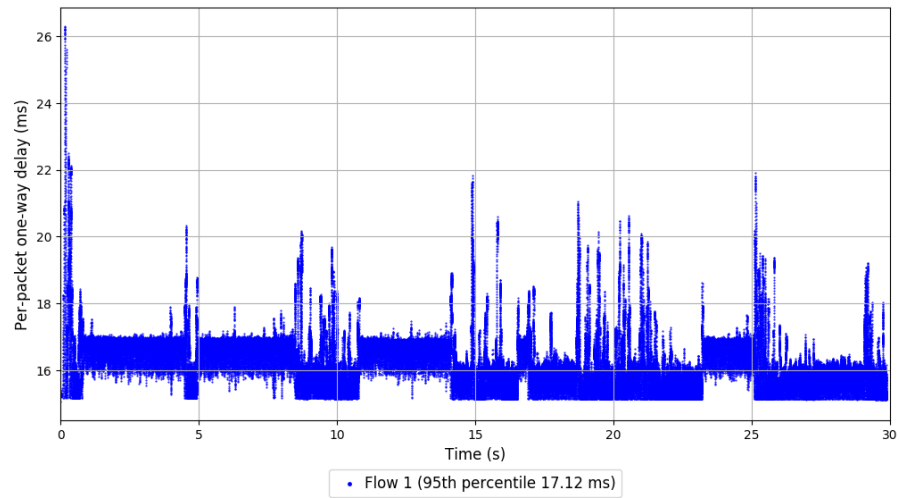
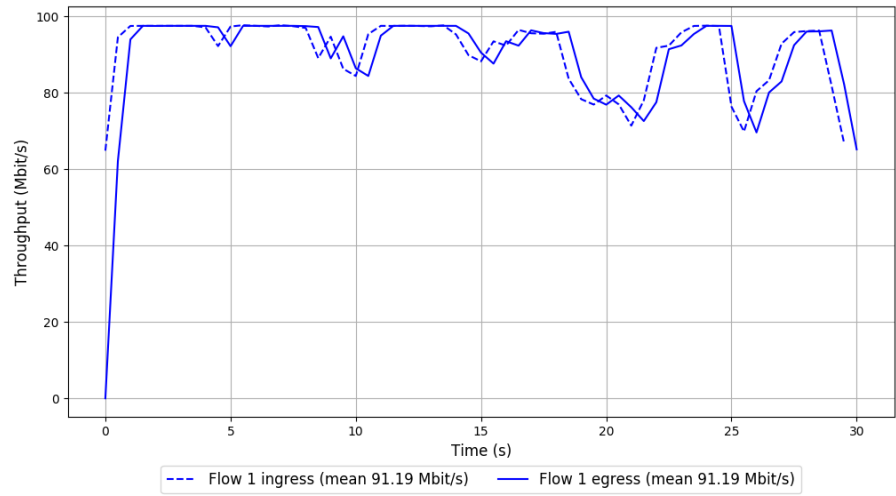


Run 8: Statistics of Indigo

Start at: 2018-08-09 19:52:57
End at: 2018-08-09 19:53:27
Local clock offset: -1.518 ms
Remote clock offset: -13.452 ms

Below is generated by plot.py at 2018-08-09 20:52:01
Datalink statistics
-- Total of 1 flow:
Average throughput: 91.19 Mbit/s
95th percentile per-packet one-way delay: 17.117 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 91.19 Mbit/s
95th percentile per-packet one-way delay: 17.117 ms
Loss rate: 0.08%

Run 8: Report of Indigo — Data Link

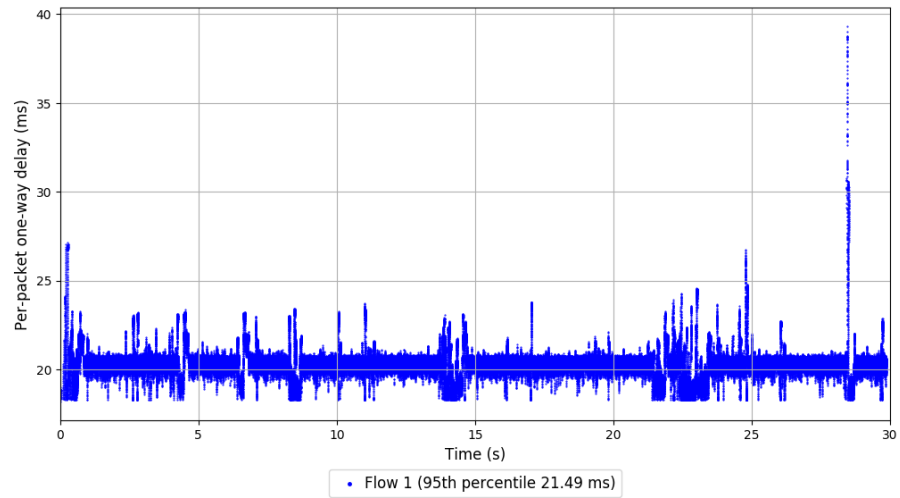
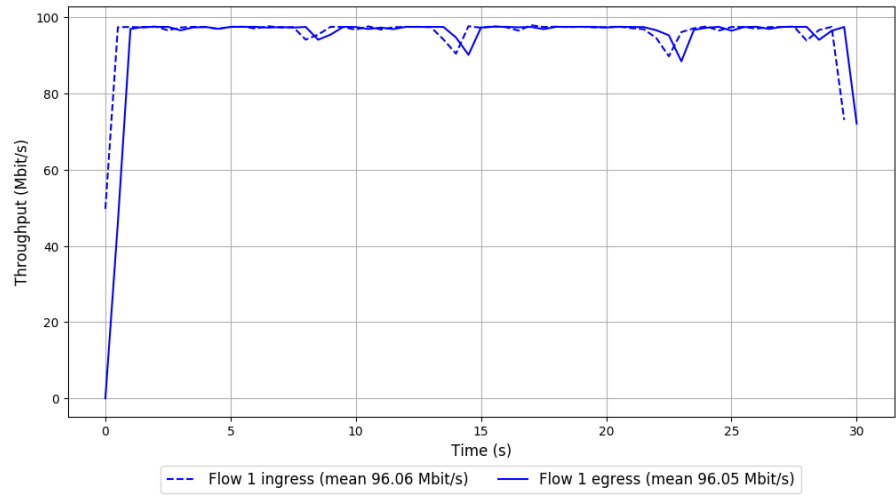


Run 9: Statistics of Indigo

Start at: 2018-08-09 20:12:41
End at: 2018-08-09 20:13:11
Local clock offset: 3.711 ms
Remote clock offset: -11.999 ms

Below is generated by plot.py at 2018-08-09 20:52:11
Datalink statistics
-- Total of 1 flow:
Average throughput: 96.05 Mbit/s
95th percentile per-packet one-way delay: 21.494 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 96.05 Mbit/s
95th percentile per-packet one-way delay: 21.494 ms
Loss rate: 0.09%

Run 9: Report of Indigo — Data Link

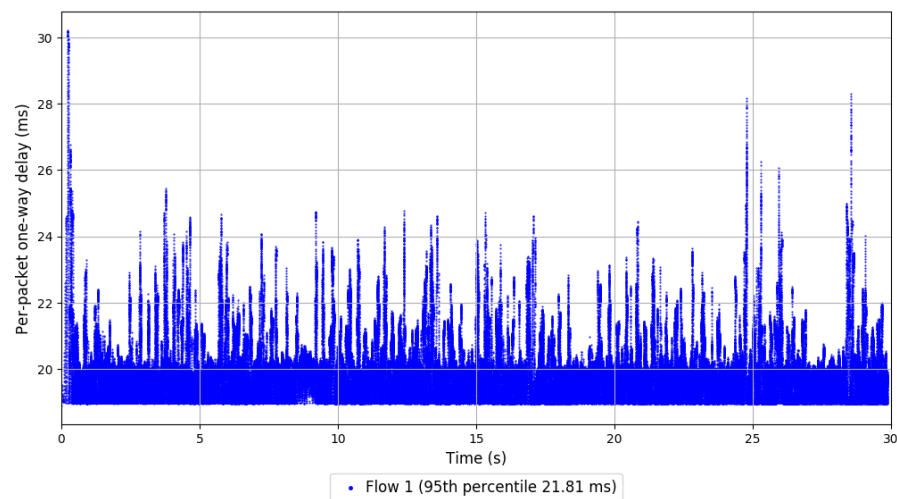
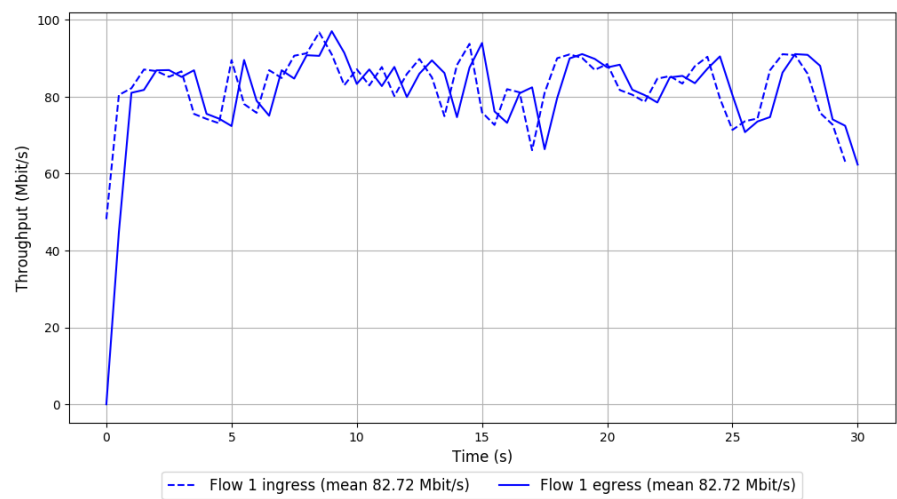


Run 10: Statistics of Indigo

Start at: 2018-08-09 20:32:27
End at: 2018-08-09 20:32:57
Local clock offset: 4.14 ms
Remote clock offset: -12.099 ms

Below is generated by plot.py at 2018-08-09 20:52:11
Datalink statistics
-- Total of 1 flow:
Average throughput: 82.72 Mbit/s
95th percentile per-packet one-way delay: 21.807 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 82.72 Mbit/s
95th percentile per-packet one-way delay: 21.807 ms
Loss rate: 0.08%

Run 10: Report of Indigo — Data Link



Run 1: Statistics of LEDBAT

Start at: 2018-08-09 17:37:47

End at: 2018-08-09 17:38:17

Local clock offset: 1.411 ms

Remote clock offset: -7.34 ms

Below is generated by plot.py at 2018-08-09 20:52:11

Datalink statistics

-- Total of 1 flow:

Average throughput: 79.37 Mbit/s

95th percentile per-packet one-way delay: 26.824 ms

Loss rate: 0.12%

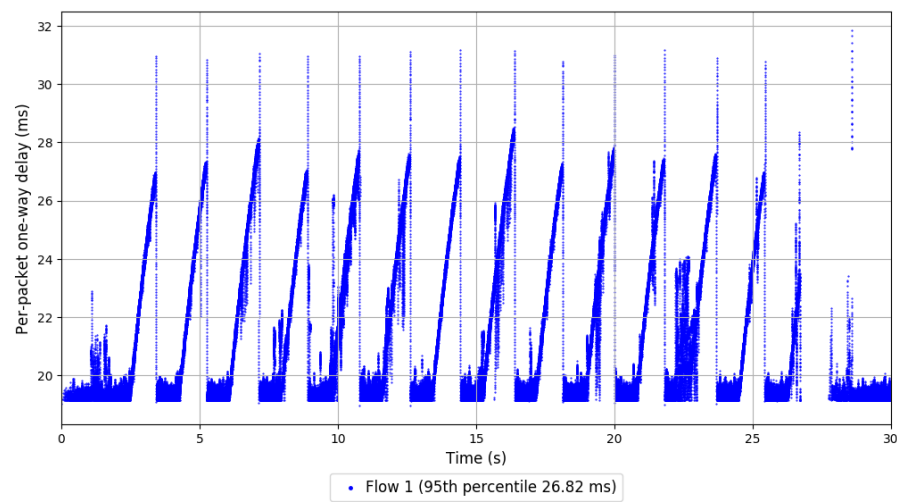
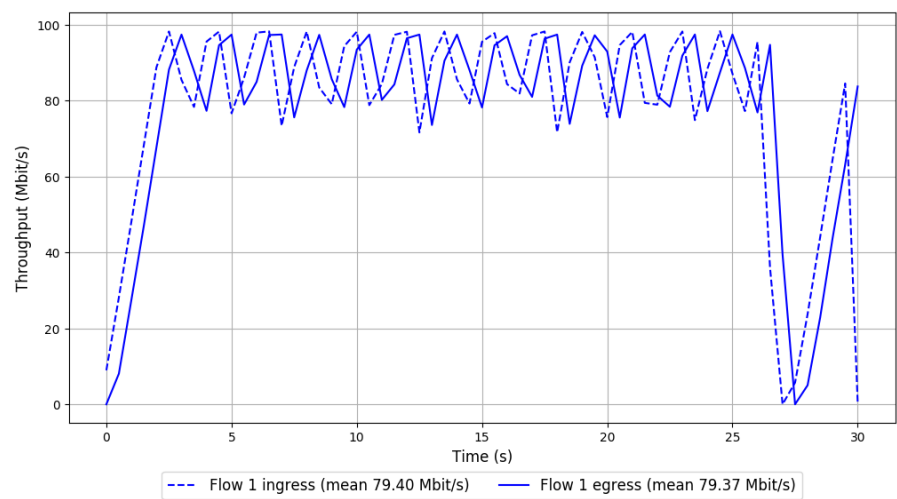
-- Flow 1:

Average throughput: 79.37 Mbit/s

95th percentile per-packet one-way delay: 26.824 ms

Loss rate: 0.12%

Run 1: Report of LEDBAT — Data Link

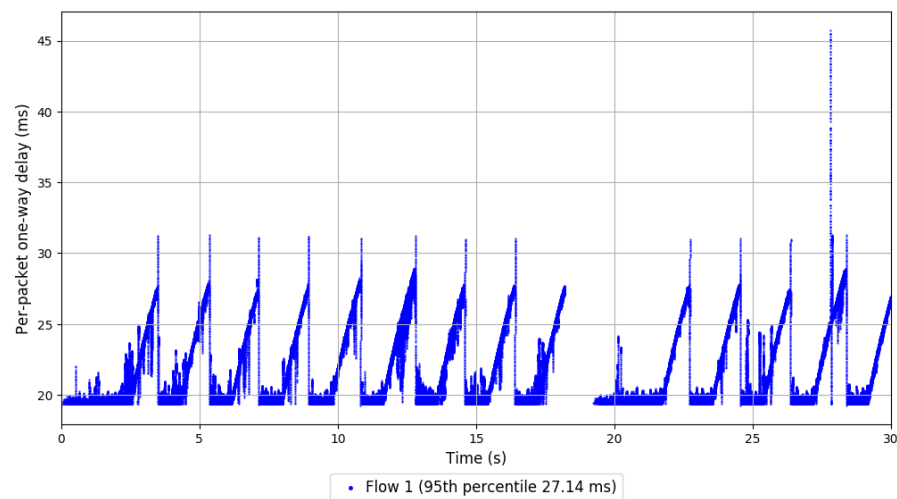
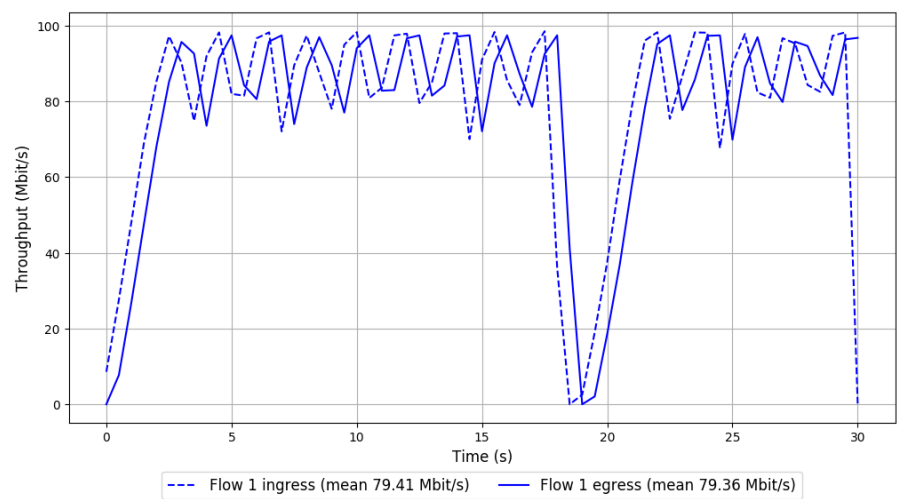


Run 2: Statistics of LEDBAT

Start at: 2018-08-09 17:57:29
End at: 2018-08-09 17:57:59
Local clock offset: 1.691 ms
Remote clock offset: -7.414 ms

Below is generated by plot.py at 2018-08-09 20:52:11
Datalink statistics
-- Total of 1 flow:
Average throughput: 79.36 Mbit/s
95th percentile per-packet one-way delay: 27.138 ms
Loss rate: 0.14%
-- Flow 1:
Average throughput: 79.36 Mbit/s
95th percentile per-packet one-way delay: 27.138 ms
Loss rate: 0.14%

Run 2: Report of LEDBAT — Data Link

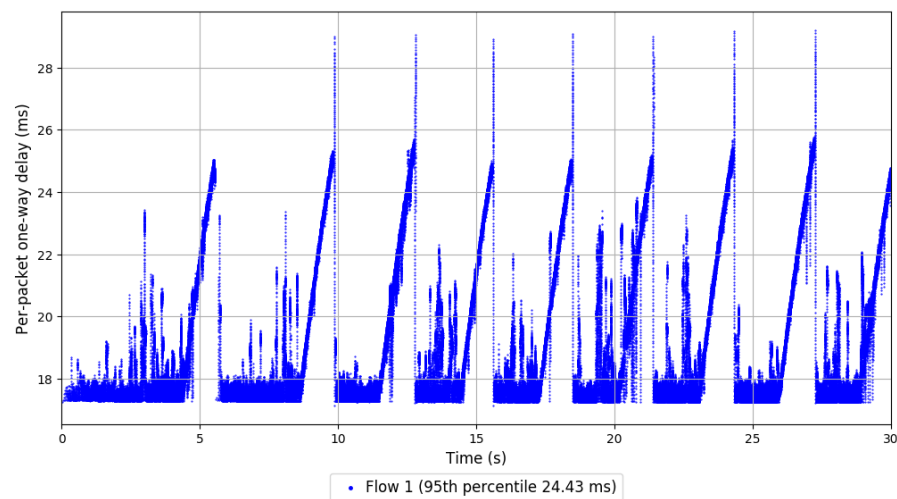
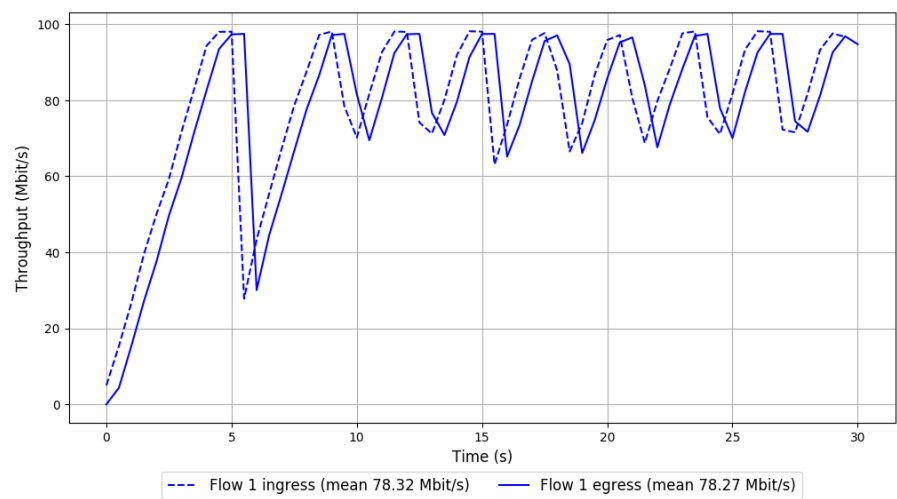


Run 3: Statistics of LEDBAT

Start at: 2018-08-09 18:17:45
End at: 2018-08-09 18:18:15
Local clock offset: -0.104 ms
Remote clock offset: -7.491 ms

Below is generated by plot.py at 2018-08-09 20:52:51
Datalink statistics
-- Total of 1 flow:
Average throughput: 78.27 Mbit/s
95th percentile per-packet one-way delay: 24.433 ms
Loss rate: 0.14%
-- Flow 1:
Average throughput: 78.27 Mbit/s
95th percentile per-packet one-way delay: 24.433 ms
Loss rate: 0.14%

Run 3: Report of LEDBAT — Data Link

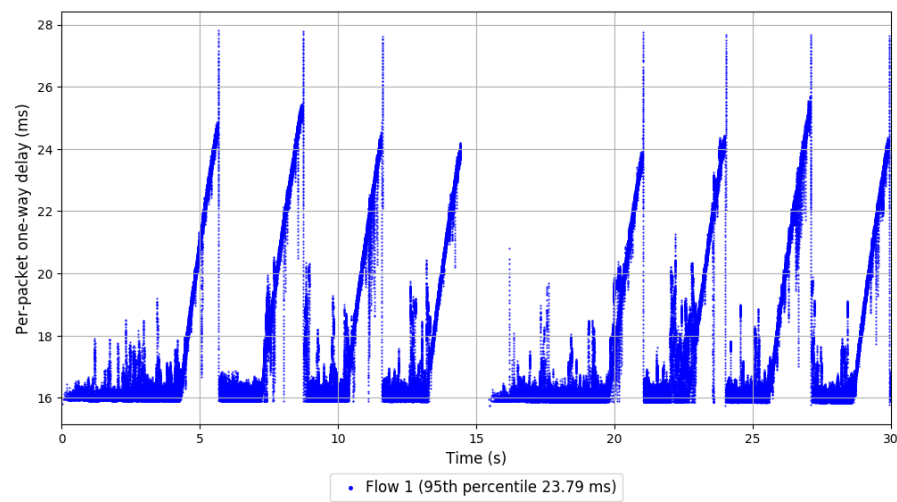
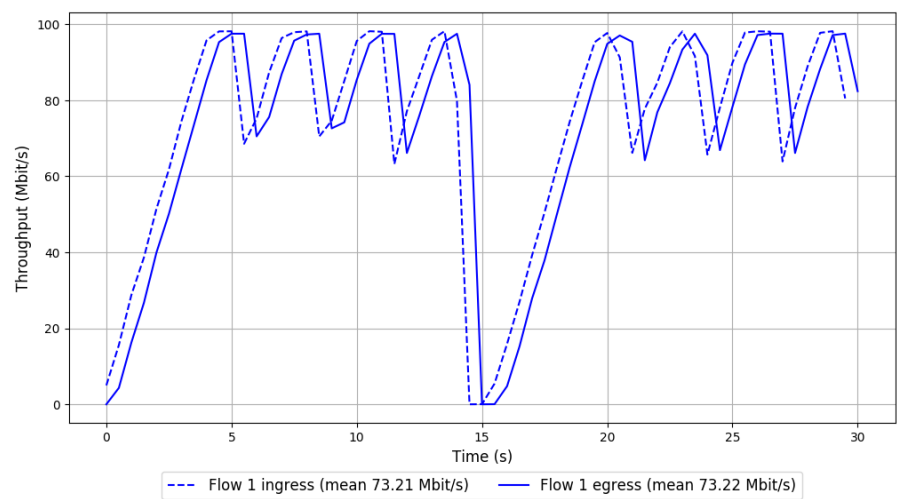


Run 4: Statistics of LEDBAT

Start at: 2018-08-09 18:37:32
End at: 2018-08-09 18:38:02
Local clock offset: -0.292 ms
Remote clock offset: -10.352 ms

Below is generated by plot.py at 2018-08-09 20:52:51
Datalink statistics
-- Total of 1 flow:
Average throughput: 73.22 Mbit/s
95th percentile per-packet one-way delay: 23.790 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 73.22 Mbit/s
95th percentile per-packet one-way delay: 23.790 ms
Loss rate: 0.06%

Run 4: Report of LEDBAT — Data Link

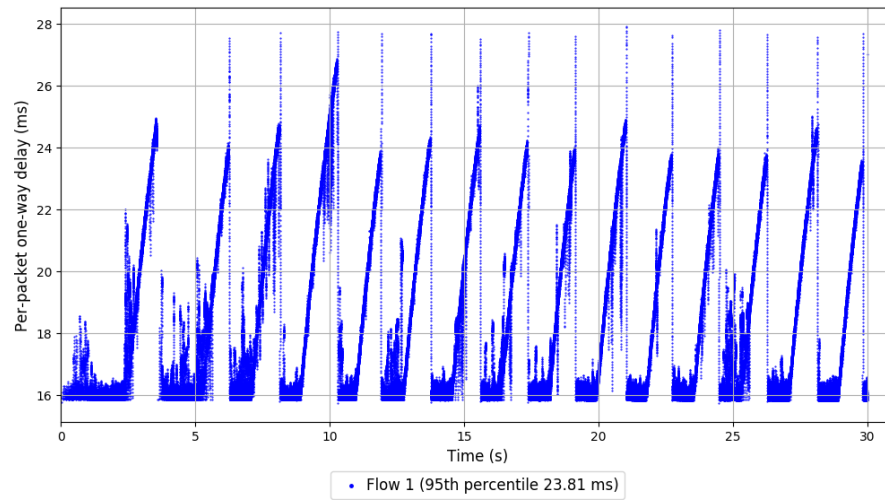
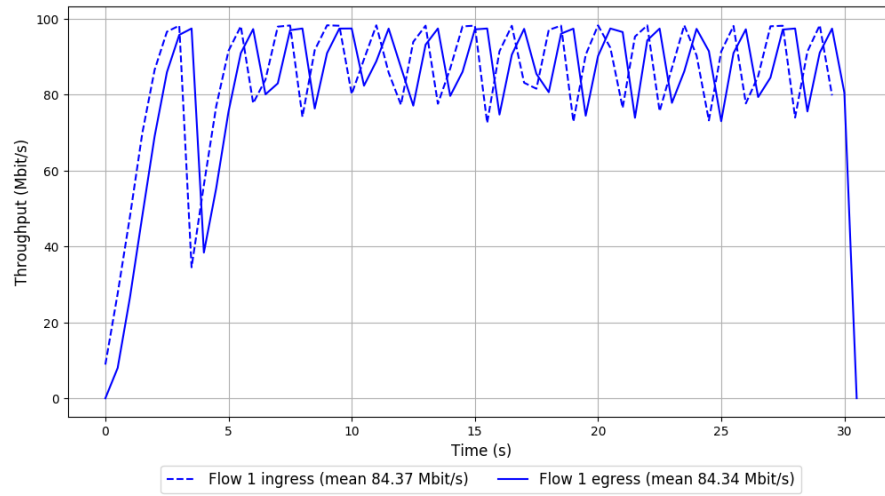


Run 5: Statistics of LEDBAT

Start at: 2018-08-09 18:57:28
End at: 2018-08-09 18:57:58
Local clock offset: -1.135 ms
Remote clock offset: -12.268 ms

Below is generated by plot.py at 2018-08-09 20:53:01
Datalink statistics
-- Total of 1 flow:
Average throughput: 84.34 Mbit/s
95th percentile per-packet one-way delay: 23.809 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 84.34 Mbit/s
95th percentile per-packet one-way delay: 23.809 ms
Loss rate: 0.08%

Run 5: Report of LEDBAT — Data Link

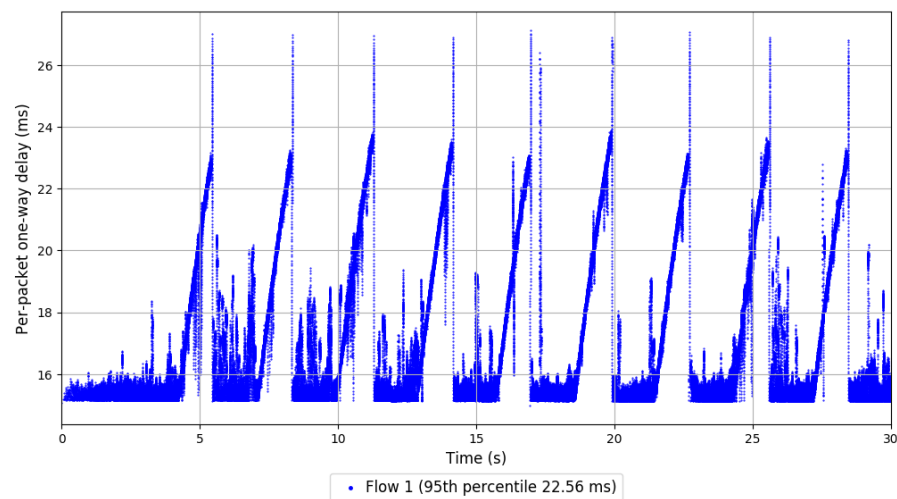
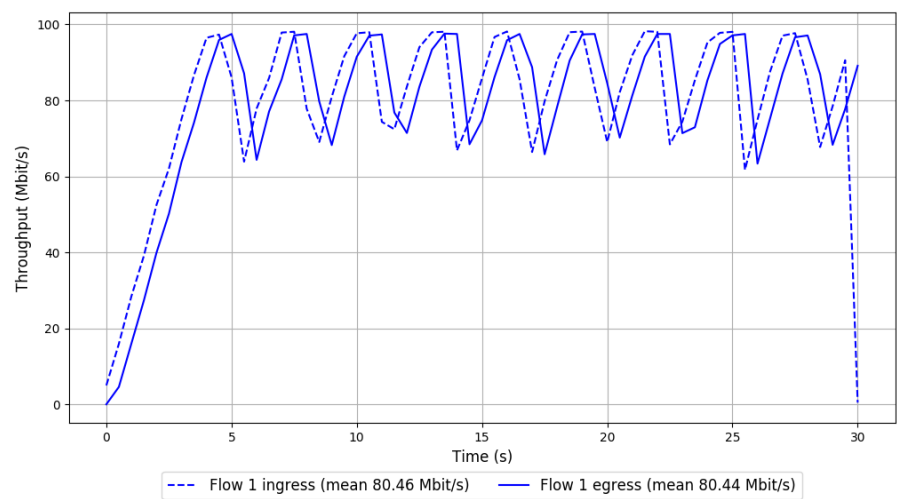


Run 6: Statistics of LEDBAT

Start at: 2018-08-09 19:17:58
End at: 2018-08-09 19:18:28
Local clock offset: -1.869 ms
Remote clock offset: -14.419 ms

Below is generated by plot.py at 2018-08-09 20:53:01
Datalink statistics
-- Total of 1 flow:
Average throughput: 80.44 Mbit/s
95th percentile per-packet one-way delay: 22.564 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 80.44 Mbit/s
95th percentile per-packet one-way delay: 22.564 ms
Loss rate: 0.10%

Run 6: Report of LEDBAT — Data Link

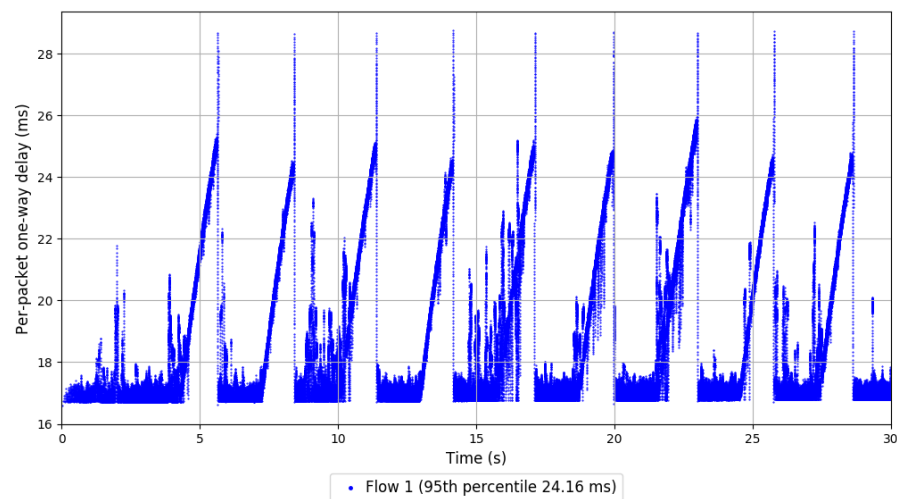
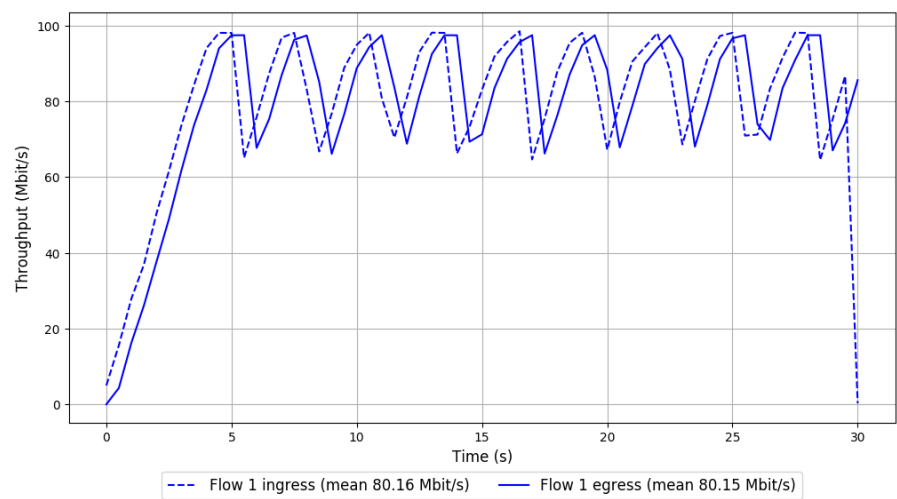


Run 7: Statistics of LEDBAT

Start at: 2018-08-09 19:37:45
End at: 2018-08-09 19:38:15
Local clock offset: -1.075 ms
Remote clock offset: -14.647 ms

Below is generated by plot.py at 2018-08-09 20:53:03
Datalink statistics
-- Total of 1 flow:
Average throughput: 80.15 Mbit/s
95th percentile per-packet one-way delay: 24.156 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 80.15 Mbit/s
95th percentile per-packet one-way delay: 24.156 ms
Loss rate: 0.10%

Run 7: Report of LEDBAT — Data Link



Run 8: Statistics of LEDBAT

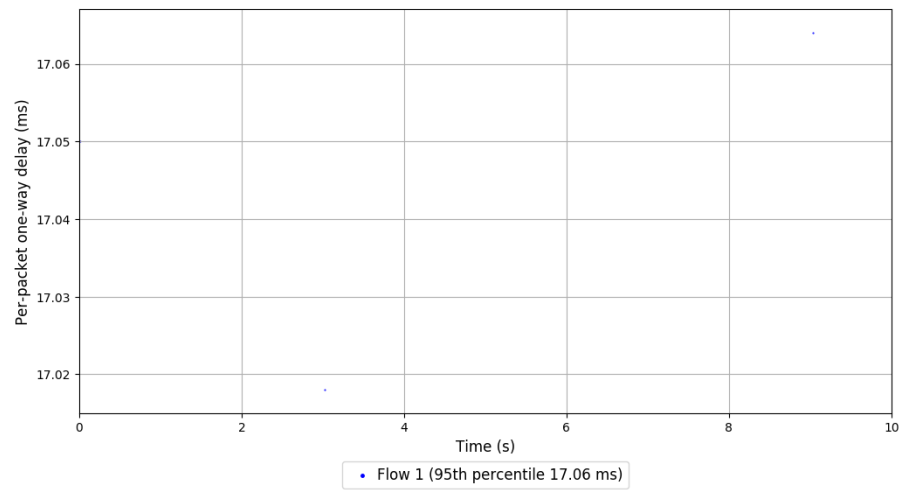
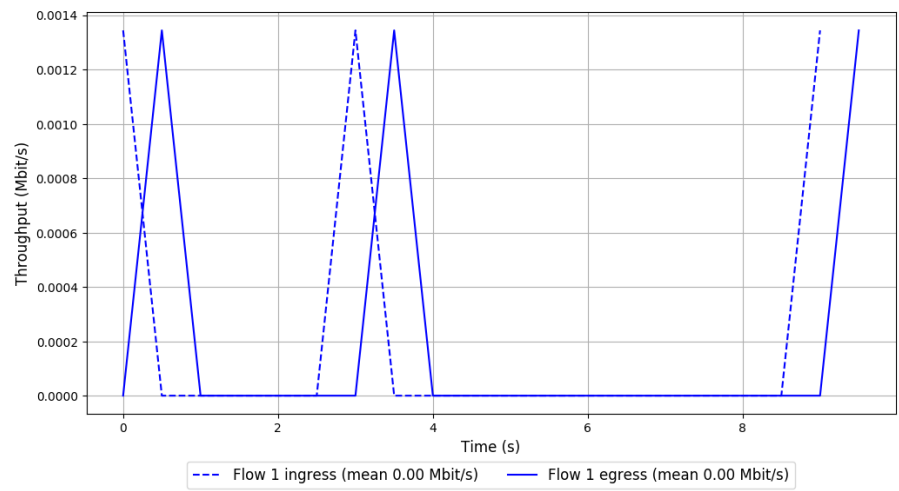
Start at: 2018-08-09 19:57:38

End at: 2018-08-09 19:58:08

Local clock offset: 1.645 ms

Remote clock offset: -12.659 ms

Run 8: Report of LEDBAT — Data Link

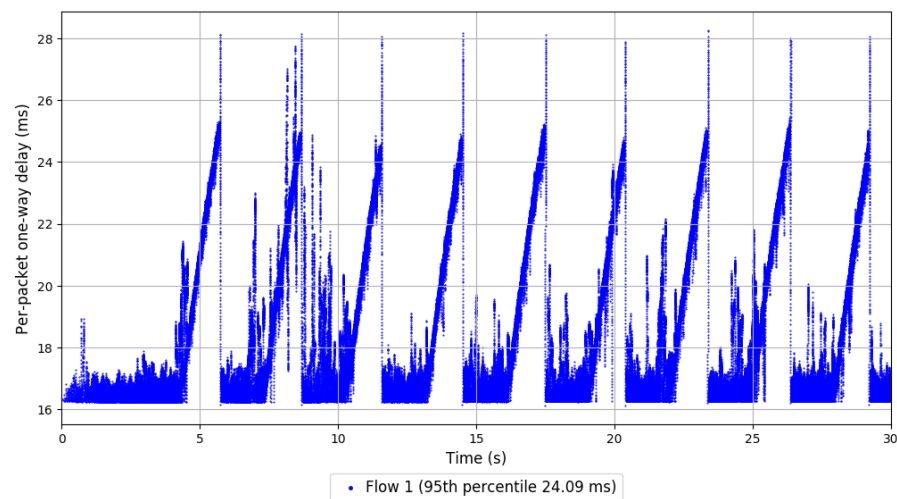
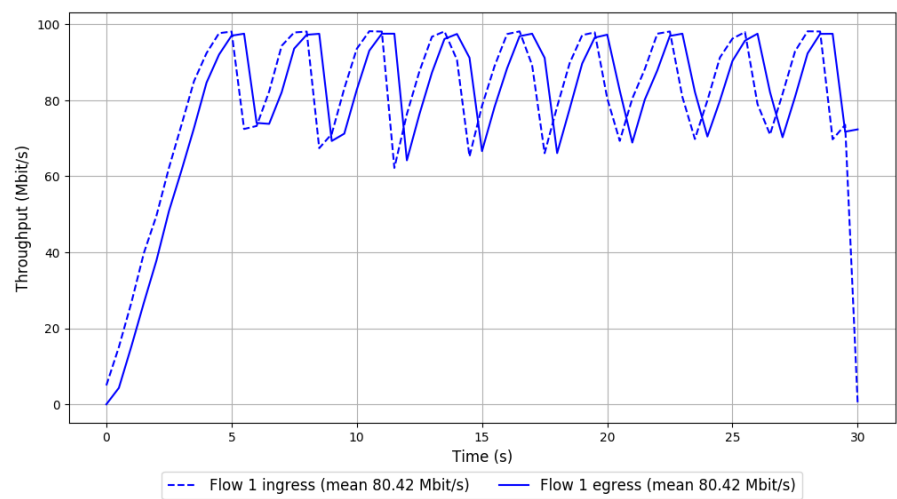


Run 9: Statistics of LEDBAT

Start at: 2018-08-09 20:17:25
End at: 2018-08-09 20:17:55
Local clock offset: 1.35 ms
Remote clock offset: -12.22 ms

Below is generated by plot.py at 2018-08-09 20:53:03
Datalink statistics
-- Total of 1 flow:
Average throughput: 80.42 Mbit/s
95th percentile per-packet one-way delay: 24.085 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 80.42 Mbit/s
95th percentile per-packet one-way delay: 24.085 ms
Loss rate: 0.09%

Run 9: Report of LEDBAT — Data Link

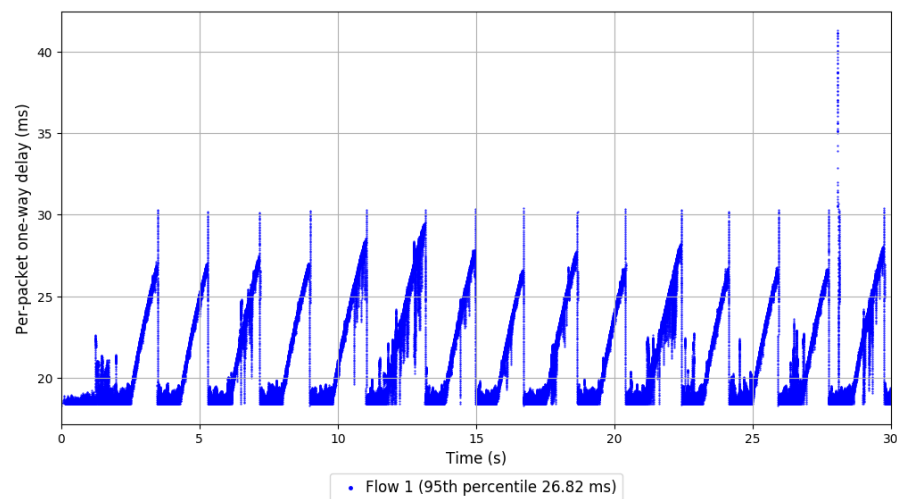
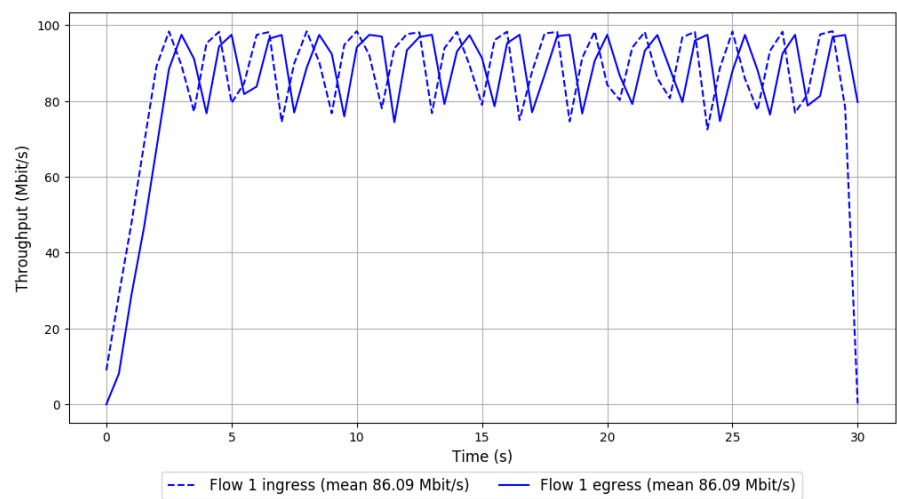


Run 10: Statistics of LEDBAT

Start at: 2018-08-09 20:37:06
End at: 2018-08-09 20:37:36
Local clock offset: 2.72 ms
Remote clock offset: -12.988 ms

Below is generated by plot.py at 2018-08-09 20:53:12
Datalink statistics
-- Total of 1 flow:
Average throughput: 86.09 Mbit/s
95th percentile per-packet one-way delay: 26.818 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 86.09 Mbit/s
95th percentile per-packet one-way delay: 26.818 ms
Loss rate: 0.08%

Run 10: Report of LEDBAT — Data Link

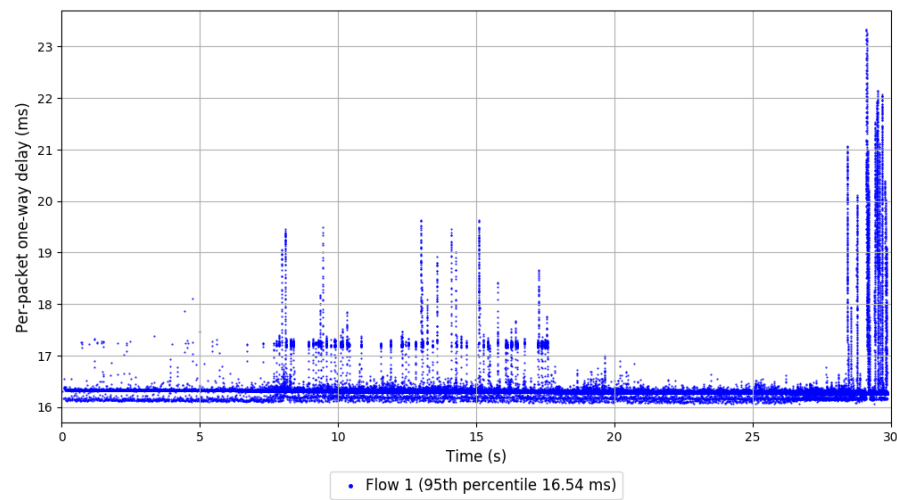
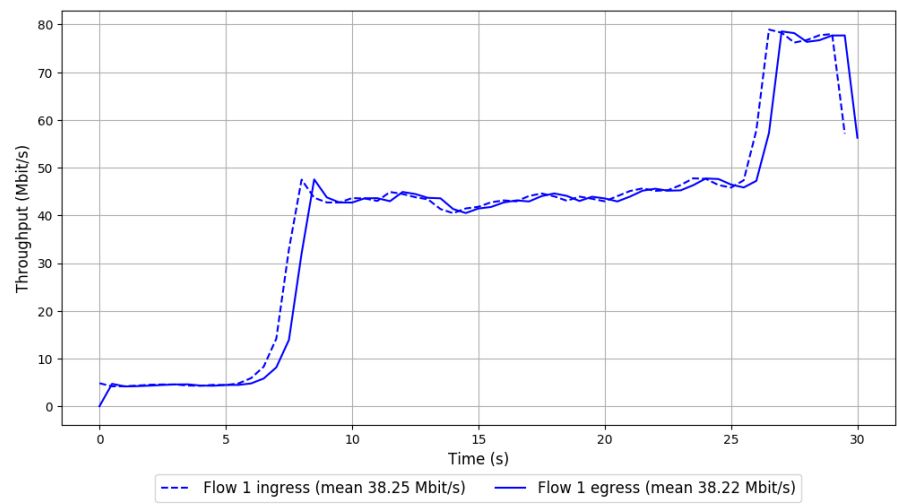


```
Run 1: Statistics of PCC-Allegro

Start at: 2018-08-09 17:26:10
End at: 2018-08-09 17:26:40
Local clock offset: -1.651 ms
Remote clock offset: -6.895 ms

# Below is generated by plot.py at 2018-08-09 20:53:12
# Datalink statistics
-- Total of 1 flow:
Average throughput: 38.22 Mbit/s
95th percentile per-packet one-way delay: 16.535 ms
Loss rate: 0.16%
-- Flow 1:
Average throughput: 38.22 Mbit/s
95th percentile per-packet one-way delay: 16.535 ms
Loss rate: 0.16%
```

Run 1: Report of PCC-Allegro — Data Link



Run 2: Statistics of PCC-Allegro

Start at: 2018-08-09 17:45:44

End at: 2018-08-09 17:46:14

Local clock offset: 1.269 ms

Remote clock offset: -6.987 ms

Below is generated by plot.py at 2018-08-09 20:53:12

Datalink statistics

-- Total of 1 flow:

Average throughput: 14.58 Mbit/s

95th percentile per-packet one-way delay: 19.221 ms

Loss rate: 0.56%

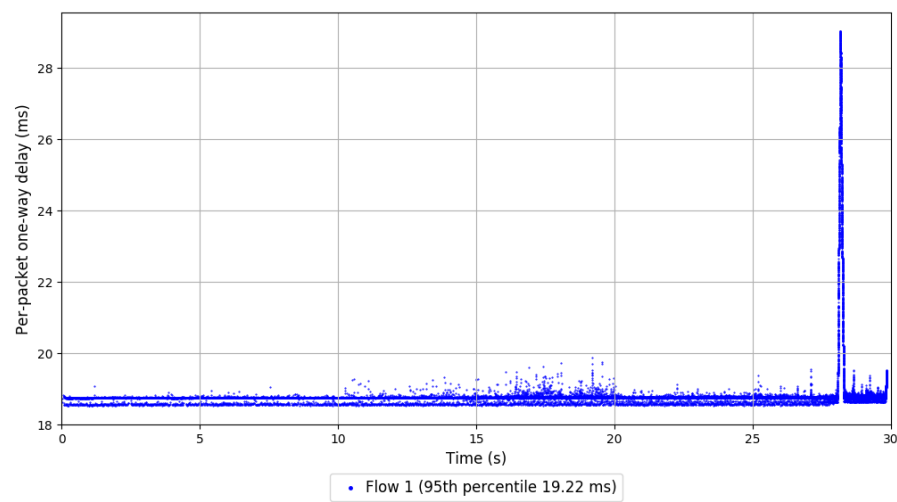
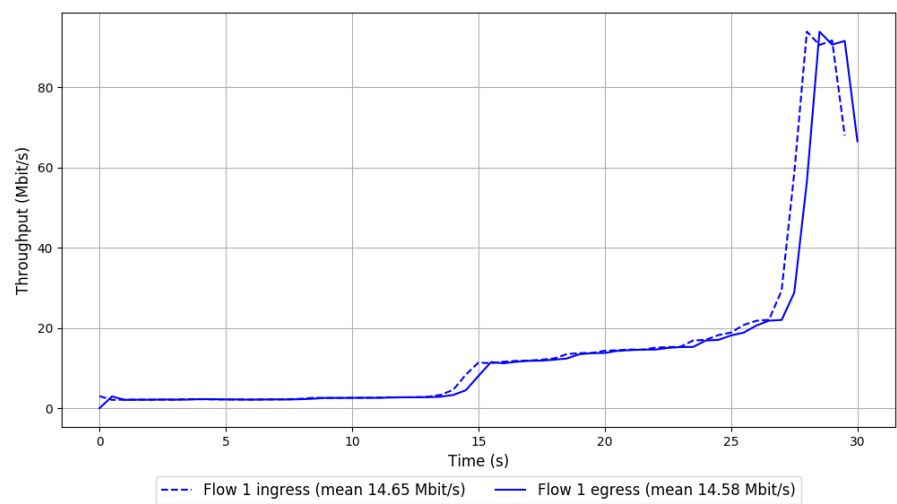
-- Flow 1:

Average throughput: 14.58 Mbit/s

95th percentile per-packet one-way delay: 19.221 ms

Loss rate: 0.56%

Run 2: Report of PCC-Allegro — Data Link

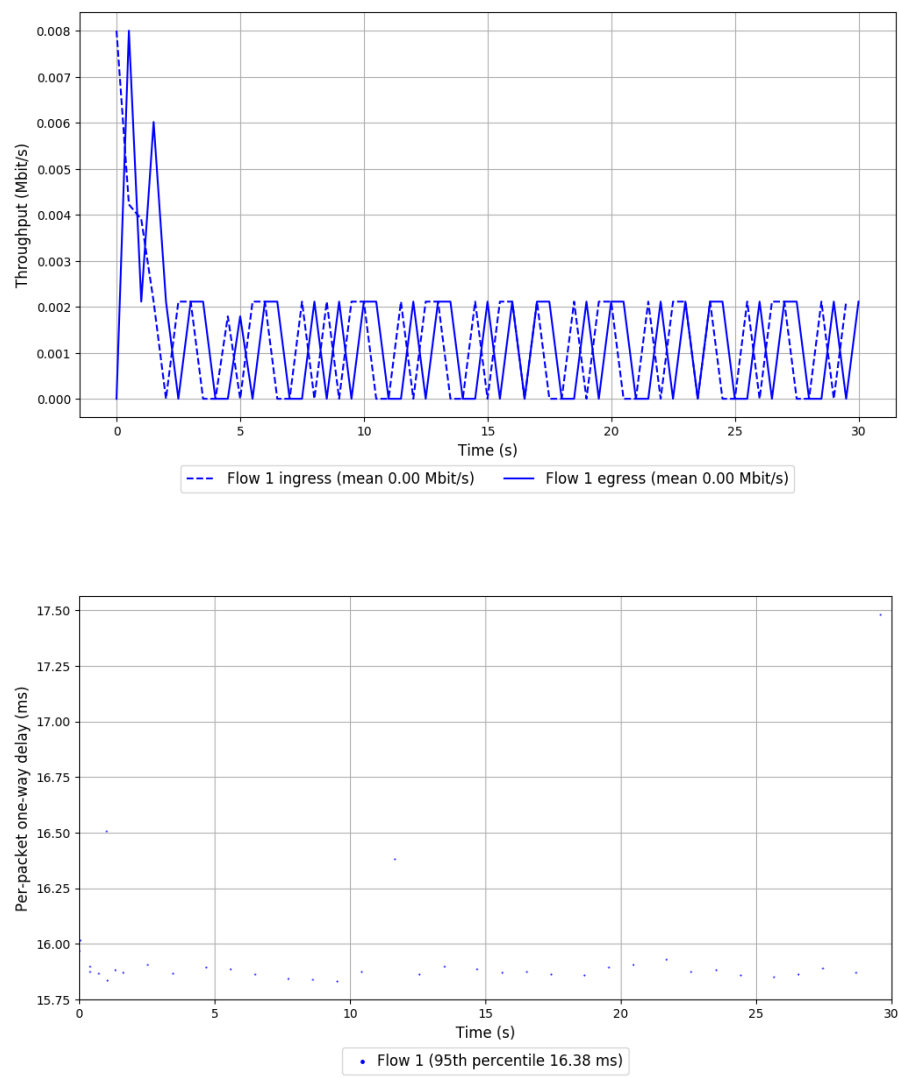


Run 3: Statistics of PCC-Allegro

Start at: 2018-08-09 18:05:51
End at: 2018-08-09 18:06:21
Local clock offset: -1.229 ms
Remote clock offset: -7.063 ms

Below is generated by plot.py at 2018-08-09 20:53:12
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.00 Mbit/s
95th percentile per-packet one-way delay: 16.381 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.00 Mbit/s
95th percentile per-packet one-way delay: 16.381 ms
Loss rate: 0.00%

Run 3: Report of PCC-Allegro — Data Link

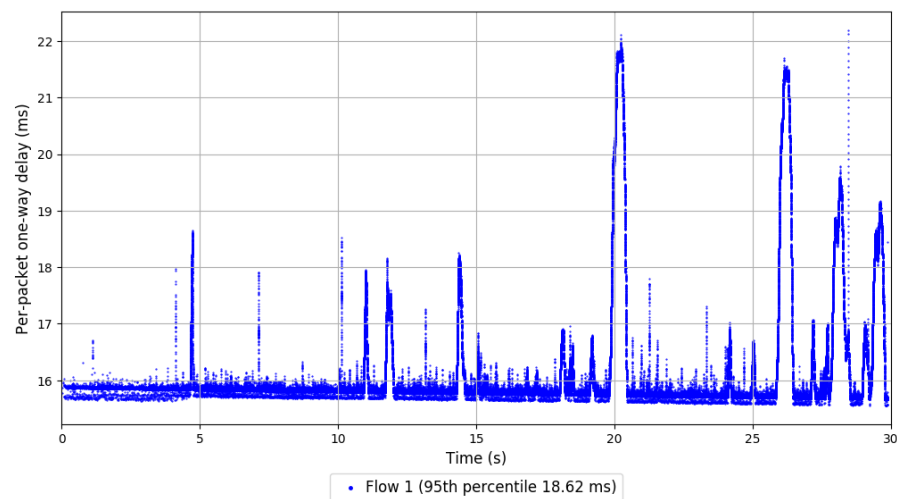
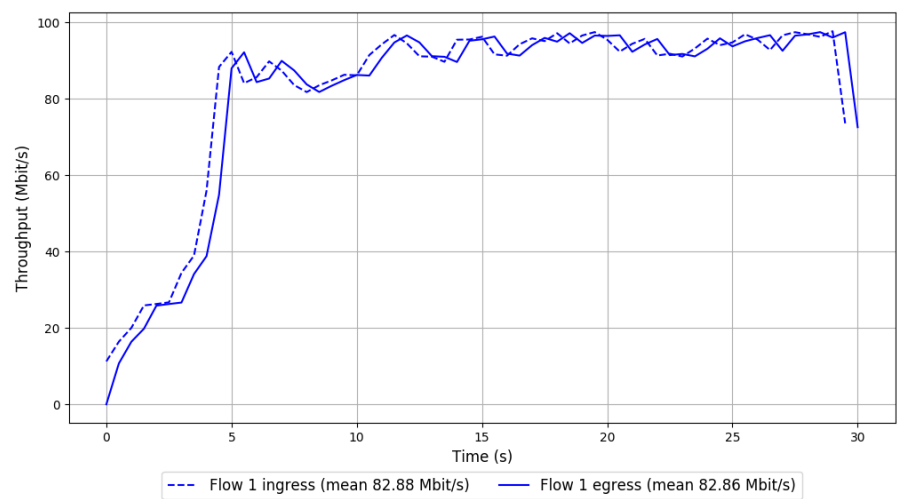


Run 4: Statistics of PCC-Allegro

Start at: 2018-08-09 18:25:39
End at: 2018-08-09 18:26:09
Local clock offset: -0.427 ms
Remote clock offset: -7.426 ms

Below is generated by plot.py at 2018-08-09 20:53:49
Datalink statistics
-- Total of 1 flow:
Average throughput: 82.86 Mbit/s
95th percentile per-packet one-way delay: 18.622 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 82.86 Mbit/s
95th percentile per-packet one-way delay: 18.622 ms
Loss rate: 0.09%

Run 4: Report of PCC-Allegro — Data Link



Run 5: Statistics of PCC-Allegro

Start at: 2018-08-09 18:45:44

End at: 2018-08-09 18:46:14

Local clock offset: -0.594 ms

Remote clock offset: -11.47 ms

Below is generated by plot.py at 2018-08-09 20:53:50

Datalink statistics

-- Total of 1 flow:

Average throughput: 82.97 Mbit/s

95th percentile per-packet one-way delay: 27.599 ms

Loss rate: 0.31%

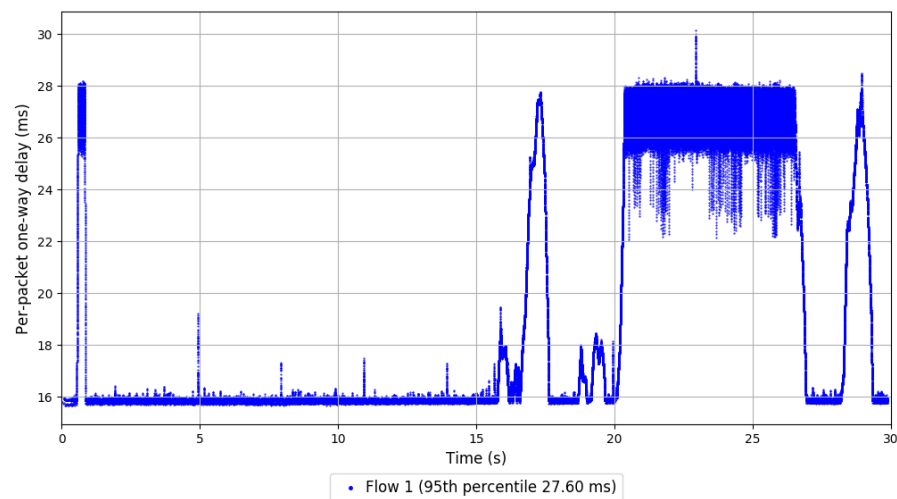
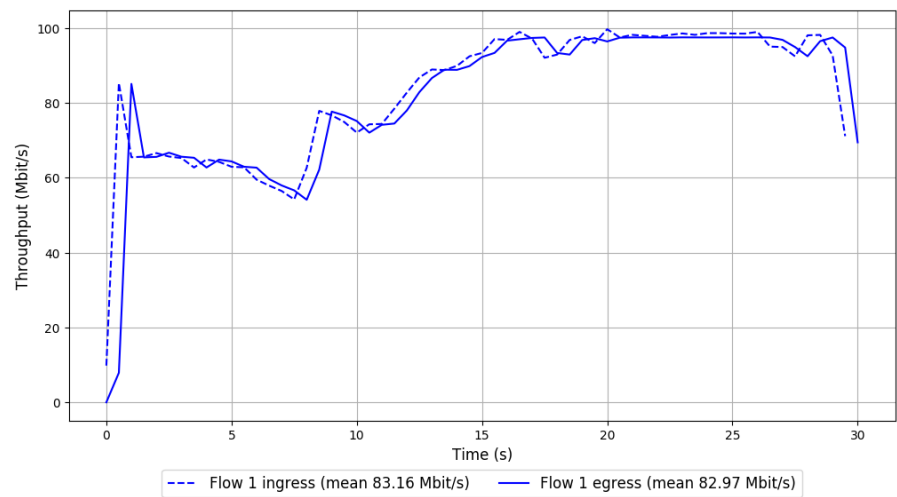
-- Flow 1:

Average throughput: 82.97 Mbit/s

95th percentile per-packet one-way delay: 27.599 ms

Loss rate: 0.31%

Run 5: Report of PCC-Allegro — Data Link



Run 6: Statistics of PCC-Allegro

Start at: 2018-08-09 19:05:43

End at: 2018-08-09 19:06:13

Local clock offset: 0.972 ms

Remote clock offset: -12.056 ms

Below is generated by plot.py at 2018-08-09 20:53:50

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.00 Mbit/s

95th percentile per-packet one-way delay: 17.094 ms

Loss rate: 0.00%

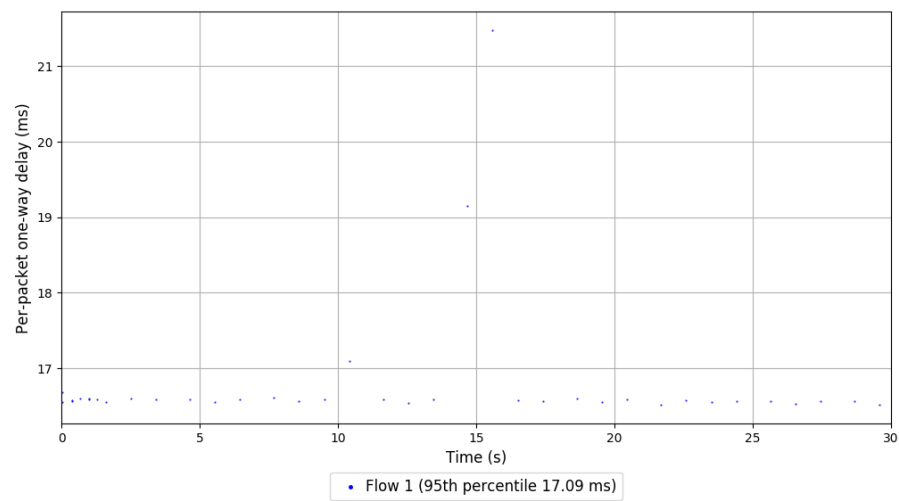
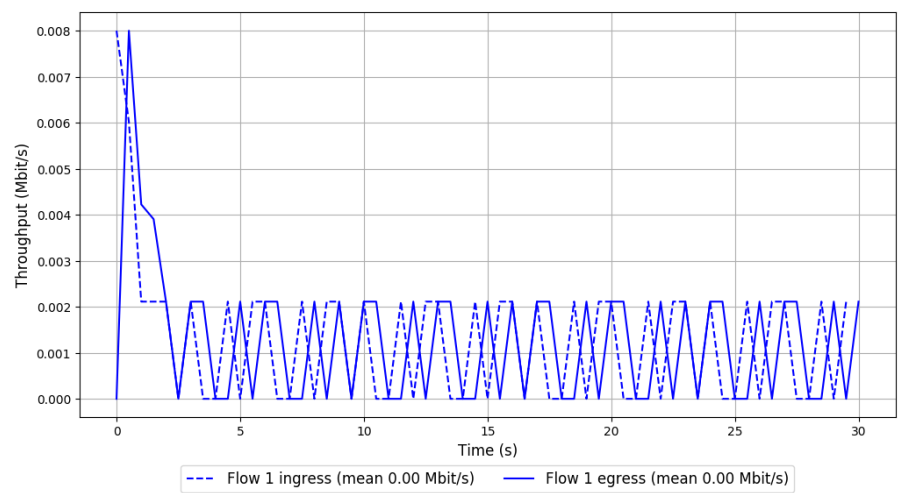
-- Flow 1:

Average throughput: 0.00 Mbit/s

95th percentile per-packet one-way delay: 17.094 ms

Loss rate: 0.00%

Run 6: Report of PCC-Allegro — Data Link



Run 7: Statistics of PCC-Allegro

Start at: 2018-08-09 19:25:57

End at: 2018-08-09 19:26:27

Local clock offset: -1.596 ms

Remote clock offset: -15.228 ms

Below is generated by plot.py at 2018-08-09 20:53:57

Datalink statistics

-- Total of 1 flow:

Average throughput: 89.47 Mbit/s

95th percentile per-packet one-way delay: 27.264 ms

Loss rate: 0.17%

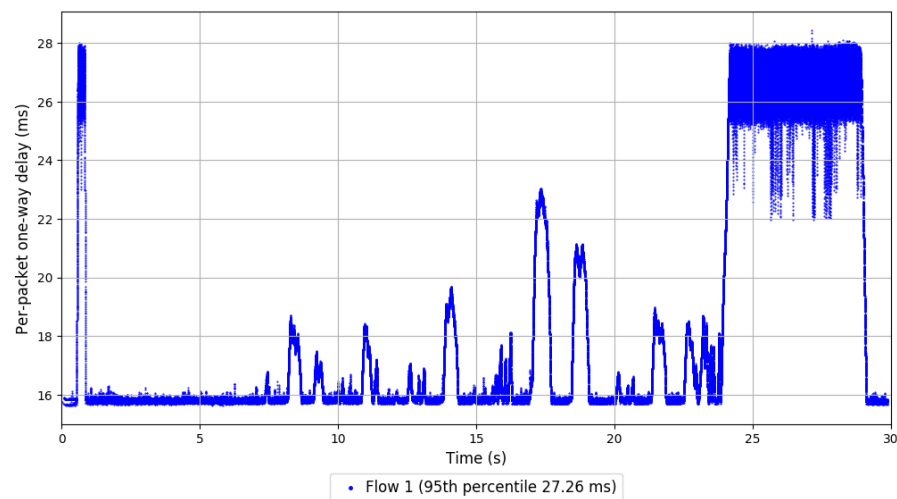
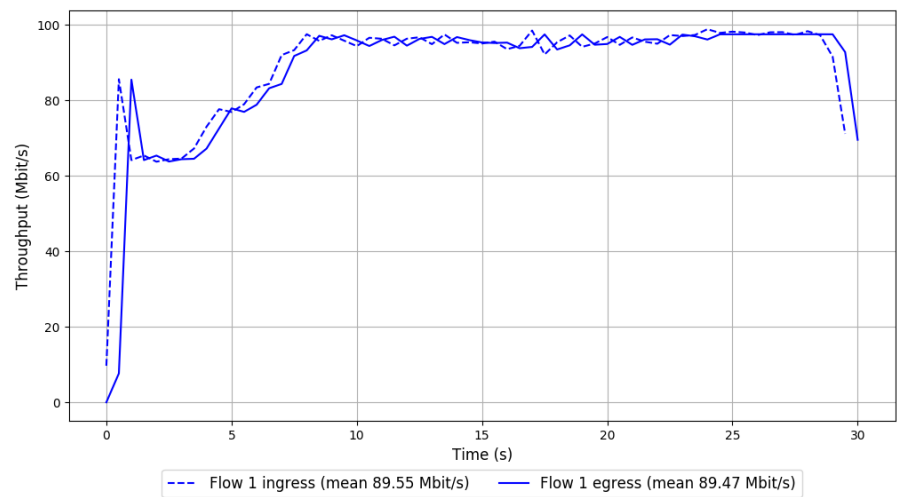
-- Flow 1:

Average throughput: 89.47 Mbit/s

95th percentile per-packet one-way delay: 27.264 ms

Loss rate: 0.17%

Run 7: Report of PCC-Allegro — Data Link



Run 8: Statistics of PCC-Allegro

Start at: 2018-08-09 19:45:47

End at: 2018-08-09 19:46:17

Local clock offset: 0.608 ms

Remote clock offset: -13.821 ms

Below is generated by plot.py at 2018-08-09 20:53:57

Datalink statistics

-- Total of 1 flow:

Average throughput: 53.89 Mbit/s

95th percentile per-packet one-way delay: 29.592 ms

Loss rate: 0.23%

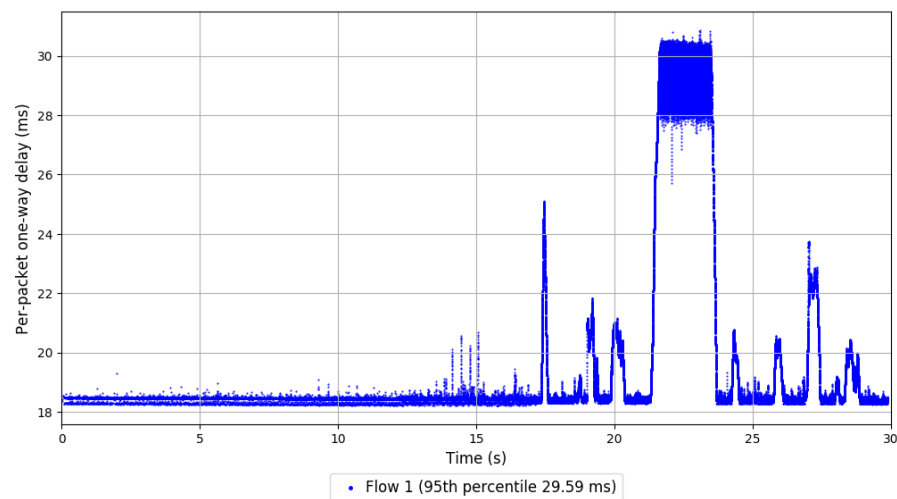
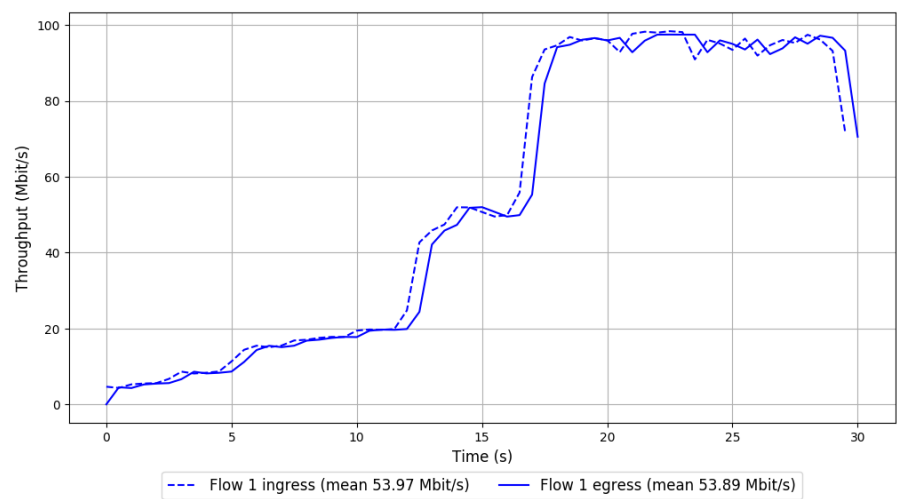
-- Flow 1:

Average throughput: 53.89 Mbit/s

95th percentile per-packet one-way delay: 29.592 ms

Loss rate: 0.23%

Run 8: Report of PCC-Allegro — Data Link



Run 9: Statistics of PCC-Allegro

Start at: 2018-08-09 20:05:33

End at: 2018-08-09 20:06:03

Local clock offset: 3.443 ms

Remote clock offset: -13.223 ms

Below is generated by plot.py at 2018-08-09 20:54:01

Datalink statistics

-- Total of 1 flow:

Average throughput: 92.70 Mbit/s

95th percentile per-packet one-way delay: 30.870 ms

Loss rate: 0.28%

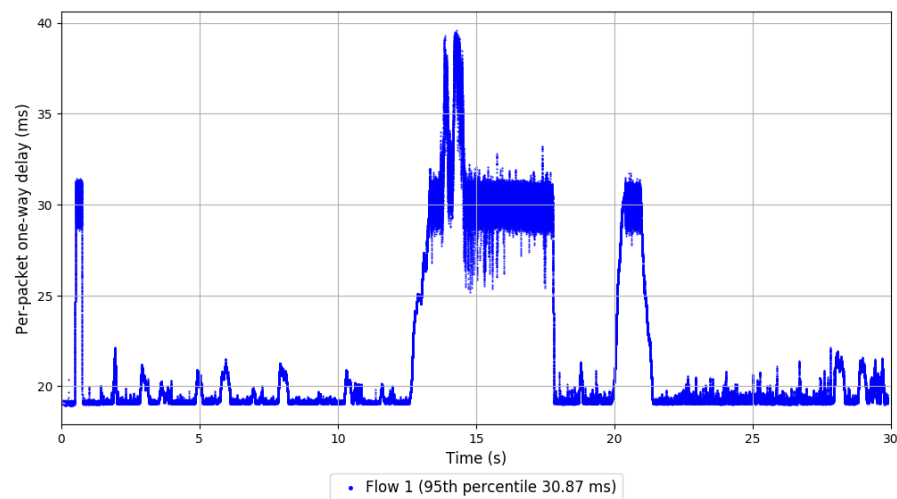
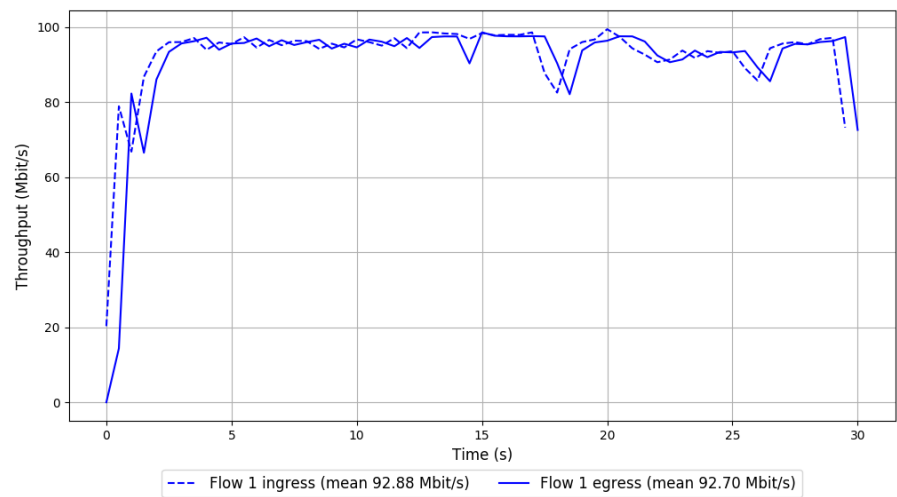
-- Flow 1:

Average throughput: 92.70 Mbit/s

95th percentile per-packet one-way delay: 30.870 ms

Loss rate: 0.28%

Run 9: Report of PCC-Allegro — Data Link



Run 10: Statistics of PCC-Allegro

Start at: 2018-08-09 20:25:24

End at: 2018-08-09 20:25:54

Local clock offset: 0.894 ms

Remote clock offset: -11.524 ms

Below is generated by plot.py at 2018-08-09 20:54:02

Datalink statistics

-- Total of 1 flow:

Average throughput: 90.53 Mbit/s

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

Loss rate: 0.08%

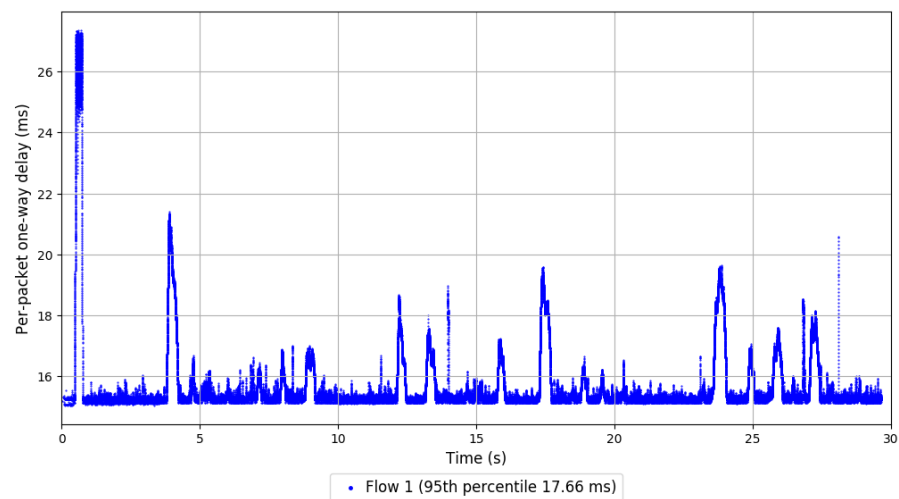
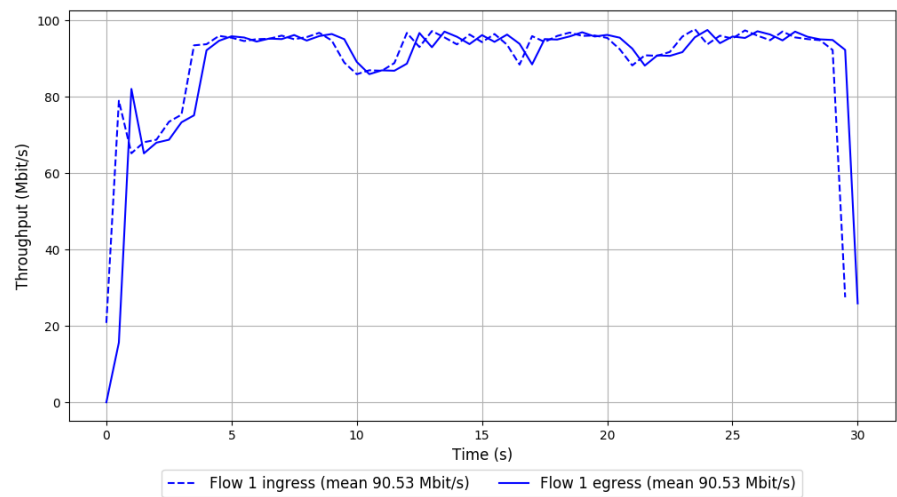
-- Flow 1:

Average throughput: 90.53 Mbit/s

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

Loss rate: 0.08%

Run 10: Report of PCC-Allegro — Data Link

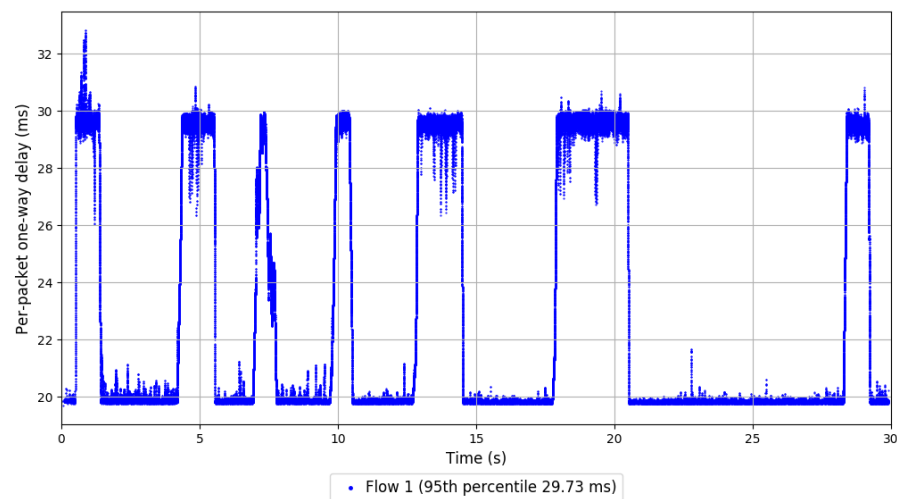
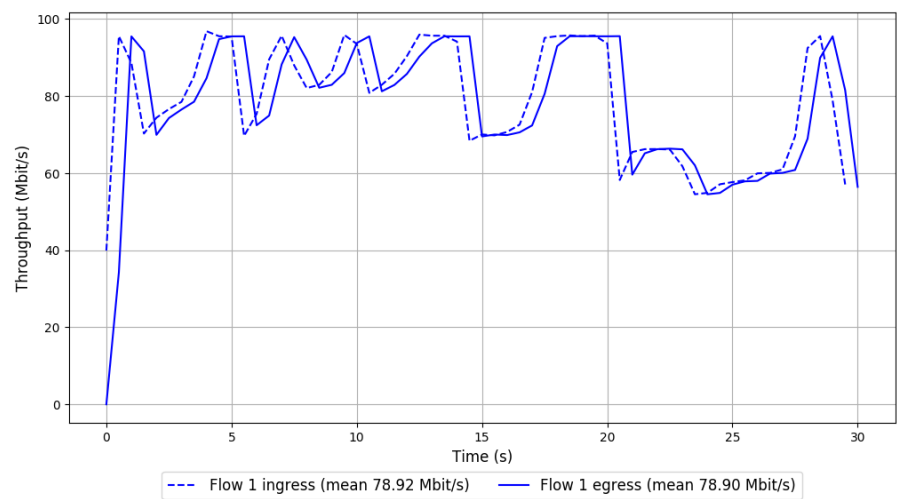


```
Run 1: Statistics of PCC-Expr

Start at: 2018-08-09 17:35:22
End at: 2018-08-09 17:35:52
Local clock offset: 2.299 ms
Remote clock offset: -7.061 ms

# Below is generated by plot.py at 2018-08-09 20:54:35
# Datalink statistics
-- Total of 1 flow:
Average throughput: 78.90 Mbit/s
95th percentile per-packet one-way delay: 29.734 ms
Loss rate: 0.11%
-- Flow 1:
Average throughput: 78.90 Mbit/s
95th percentile per-packet one-way delay: 29.734 ms
Loss rate: 0.11%
```


Run 1: Report of PCC-Expr — Data Link

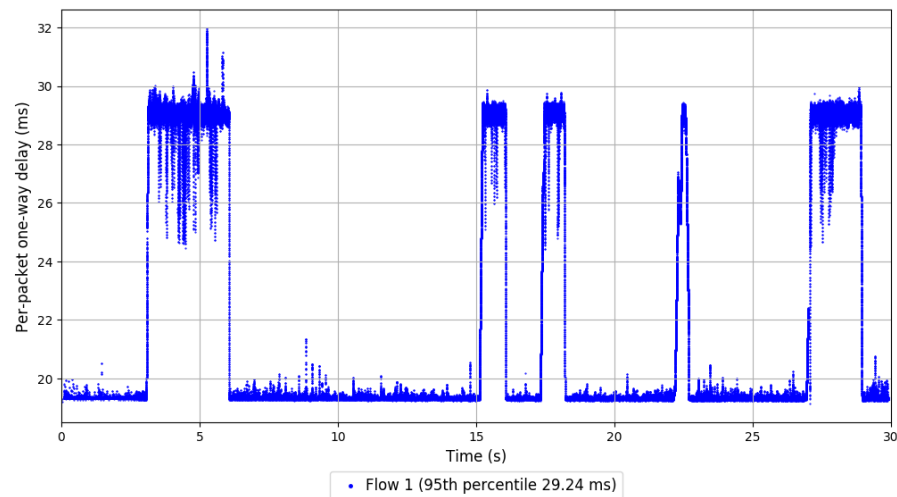
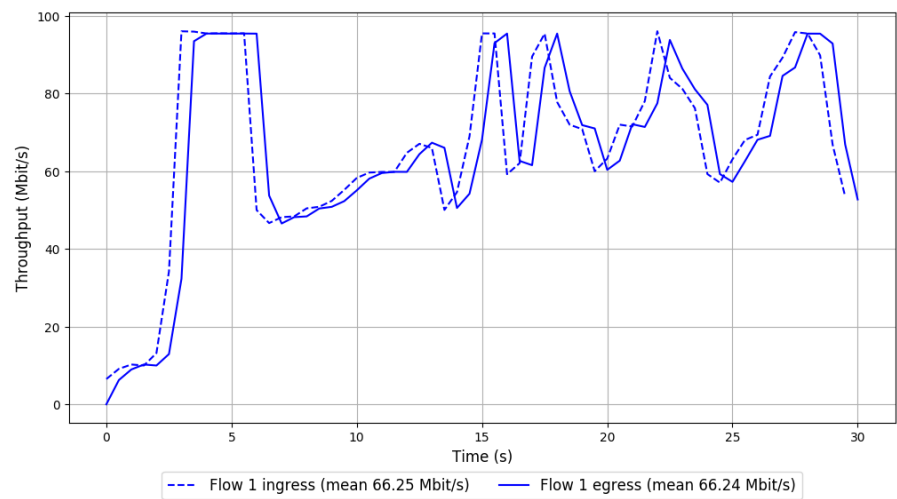


Run 2: Statistics of PCC-Expr

Start at: 2018-08-09 17:55:08
End at: 2018-08-09 17:55:38
Local clock offset: 1.359 ms
Remote clock offset: -7.645 ms

Below is generated by plot.py at 2018-08-09 20:54:35
Datalink statistics
-- Total of 1 flow:
Average throughput: 66.24 Mbit/s
95th percentile per-packet one-way delay: 29.240 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 66.24 Mbit/s
95th percentile per-packet one-way delay: 29.240 ms
Loss rate: 0.10%

Run 2: Report of PCC-Expr — Data Link

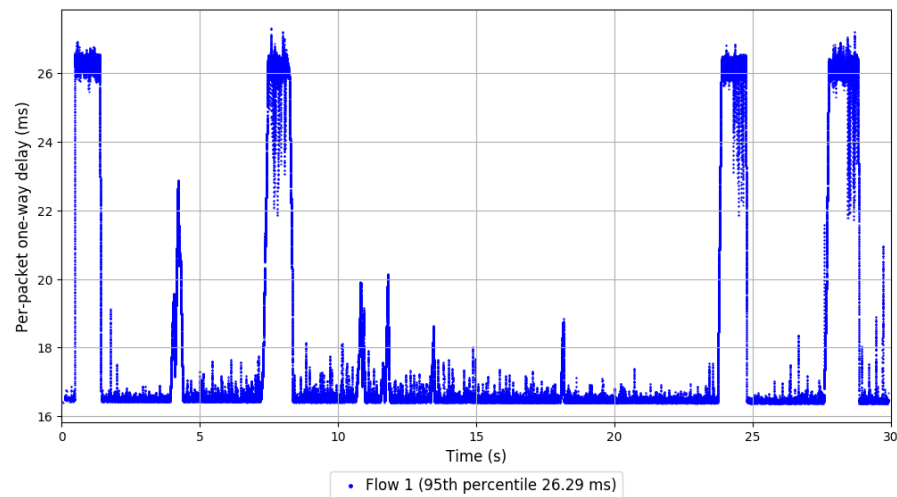
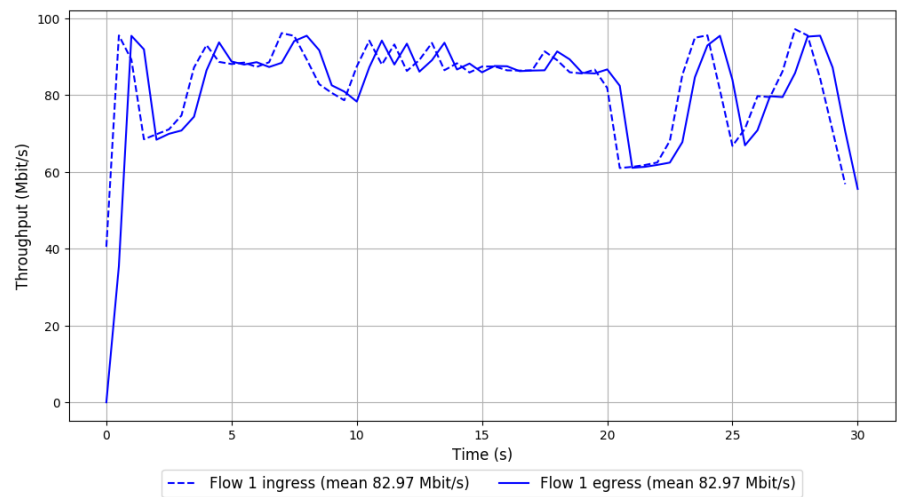


Run 3: Statistics of PCC-Expr

Start at: 2018-08-09 18:15:19
End at: 2018-08-09 18:15:49
Local clock offset: -0.652 ms
Remote clock offset: -6.999 ms

Below is generated by plot.py at 2018-08-09 20:55:28
Datalink statistics
-- Total of 1 flow:
Average throughput: 82.97 Mbit/s
95th percentile per-packet one-way delay: 26.286 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 82.97 Mbit/s
95th percentile per-packet one-way delay: 26.286 ms
Loss rate: 0.08%

Run 3: Report of PCC-Expr — Data Link

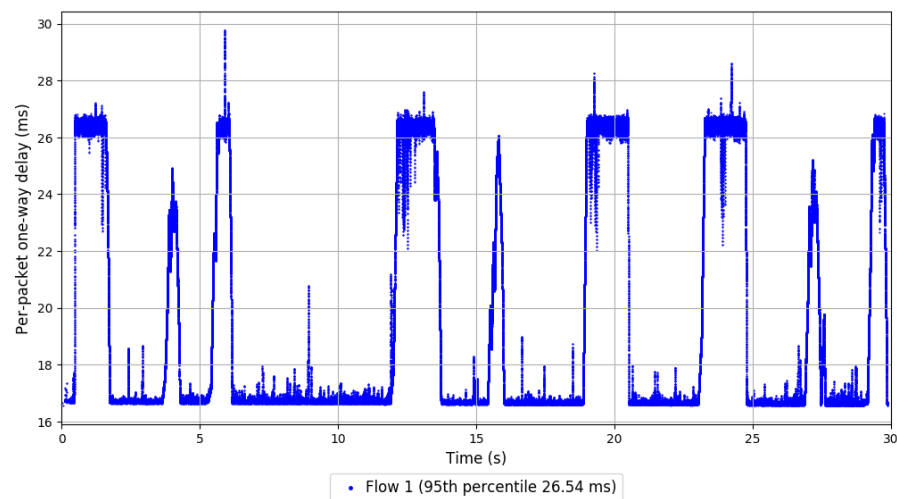
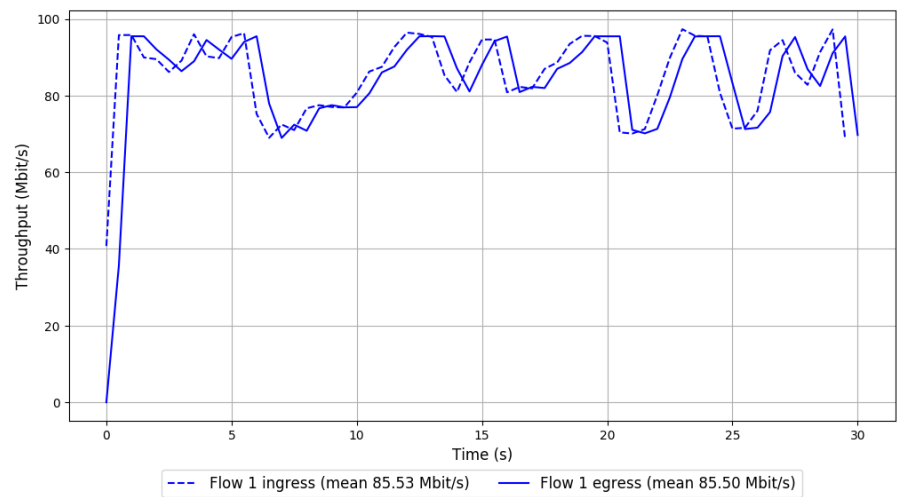


Run 4: Statistics of PCC-Expr

Start at: 2018-08-09 18:35:00
End at: 2018-08-09 18:35:30
Local clock offset: 0.787 ms
Remote clock offset: -9.598 ms

Below is generated by plot.py at 2018-08-09 20:55:36
Datalink statistics
-- Total of 1 flow:
Average throughput: 85.50 Mbit/s
95th percentile per-packet one-way delay: 26.537 ms
Loss rate: 0.11%
-- Flow 1:
Average throughput: 85.50 Mbit/s
95th percentile per-packet one-way delay: 26.537 ms
Loss rate: 0.11%

Run 4: Report of PCC-Expr — Data Link

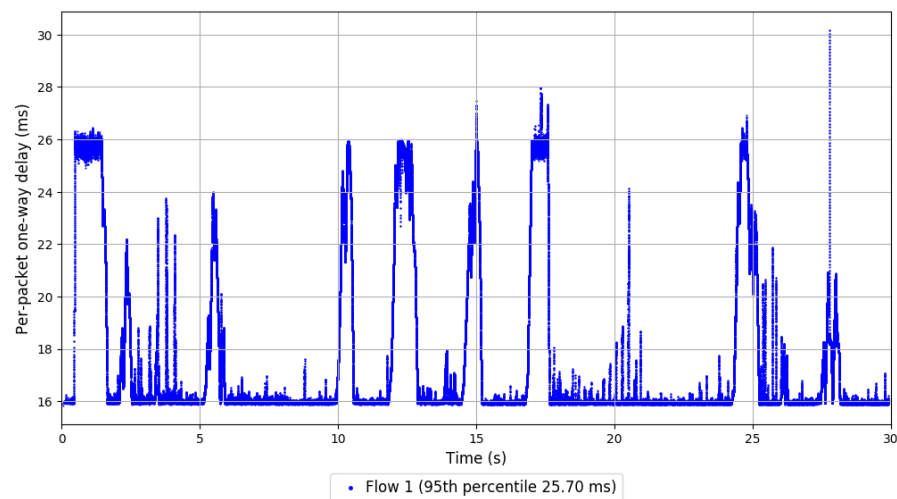
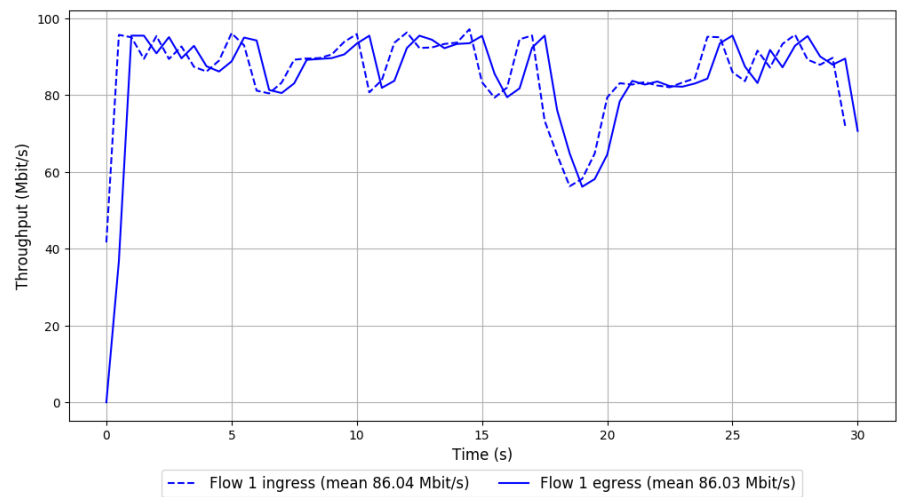


Run 5: Statistics of PCC-Expr

Start at: 2018-08-09 18:55:06
End at: 2018-08-09 18:55:36
Local clock offset: -0.512 ms
Remote clock offset: -11.662 ms

Below is generated by plot.py at 2018-08-09 20:55:38
Datalink statistics
-- Total of 1 flow:
Average throughput: 86.03 Mbit/s
95th percentile per-packet one-way delay: 25.697 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 86.03 Mbit/s
95th percentile per-packet one-way delay: 25.697 ms
Loss rate: 0.09%

Run 5: Report of PCC-Expr — Data Link

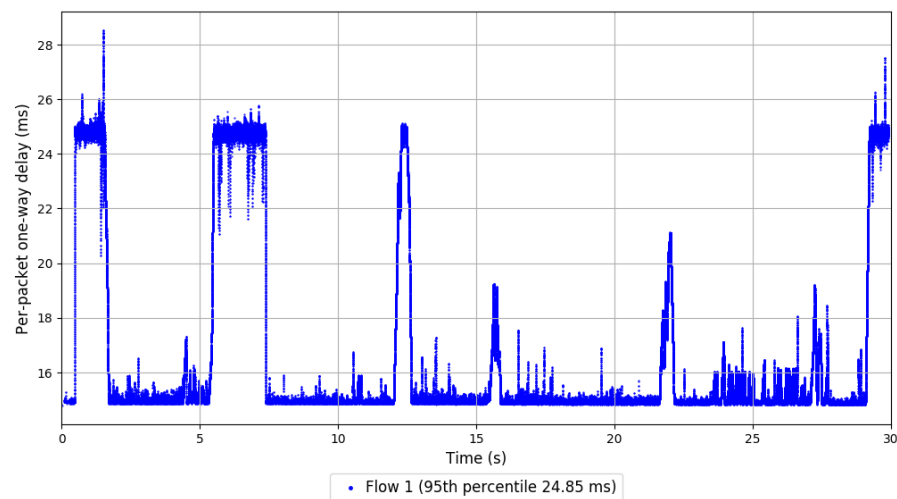
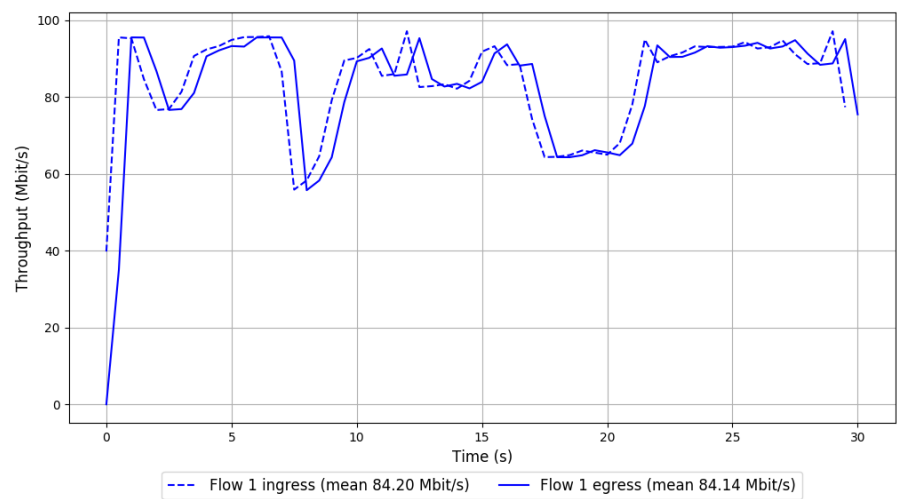


Run 6: Statistics of PCC-Expr

Start at: 2018-08-09 19:15:17
End at: 2018-08-09 19:15:47
Local clock offset: -0.689 ms
Remote clock offset: -12.815 ms

Below is generated by plot.py at 2018-08-09 20:55:43
Datalink statistics
-- Total of 1 flow:
Average throughput: 84.14 Mbit/s
95th percentile per-packet one-way delay: 24.851 ms
Loss rate: 0.15%
-- Flow 1:
Average throughput: 84.14 Mbit/s
95th percentile per-packet one-way delay: 24.851 ms
Loss rate: 0.15%

Run 6: Report of PCC-Expr — Data Link

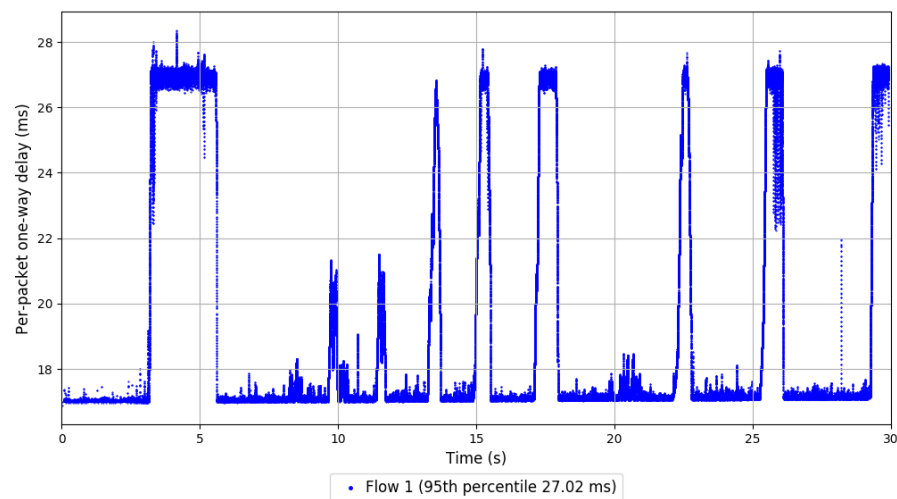
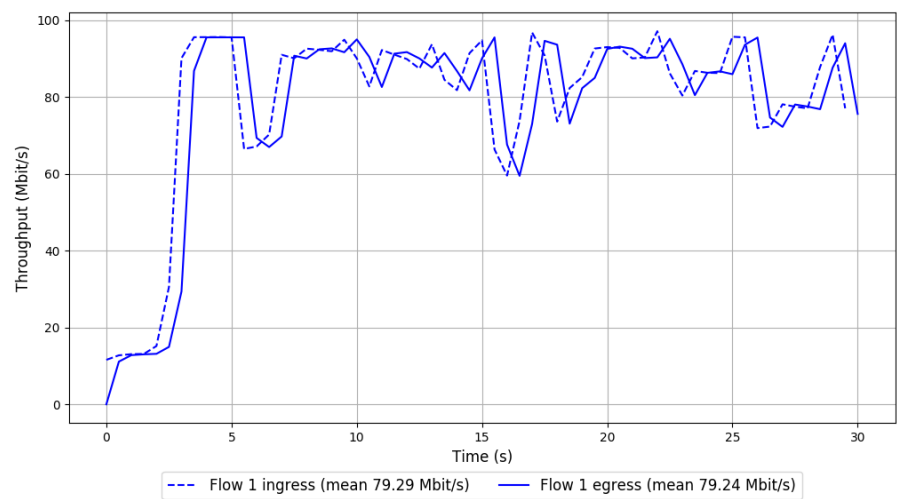


Run 7: Statistics of PCC-Expr

Start at: 2018-08-09 19:35:23
End at: 2018-08-09 19:35:53
Local clock offset: 0.395 ms
Remote clock offset: -14.005 ms

Below is generated by plot.py at 2018-08-09 20:55:43
Datalink statistics
-- Total of 1 flow:
Average throughput: 79.24 Mbit/s
95th percentile per-packet one-way delay: 27.023 ms
Loss rate: 0.15%
-- Flow 1:
Average throughput: 79.24 Mbit/s
95th percentile per-packet one-way delay: 27.023 ms
Loss rate: 0.15%

Run 7: Report of PCC-Expr — Data Link

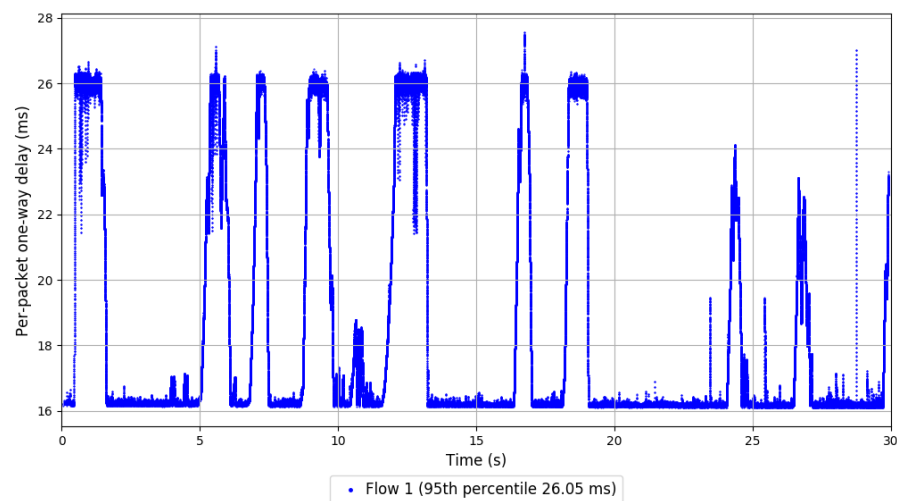
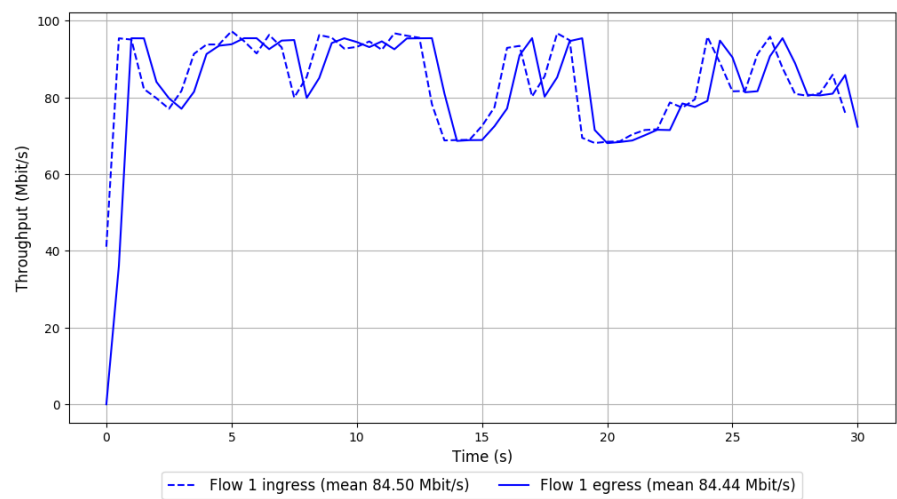


Run 8: Statistics of PCC-Expr

Start at: 2018-08-09 19:55:16
End at: 2018-08-09 19:55:46
Local clock offset: 1.012 ms
Remote clock offset: -12.168 ms

Below is generated by plot.py at 2018-08-09 20:55:53
Datalink statistics
-- Total of 1 flow:
Average throughput: 84.44 Mbit/s
95th percentile per-packet one-way delay: 26.053 ms
Loss rate: 0.15%
-- Flow 1:
Average throughput: 84.44 Mbit/s
95th percentile per-packet one-way delay: 26.053 ms
Loss rate: 0.15%

Run 8: Report of PCC-Expr — Data Link

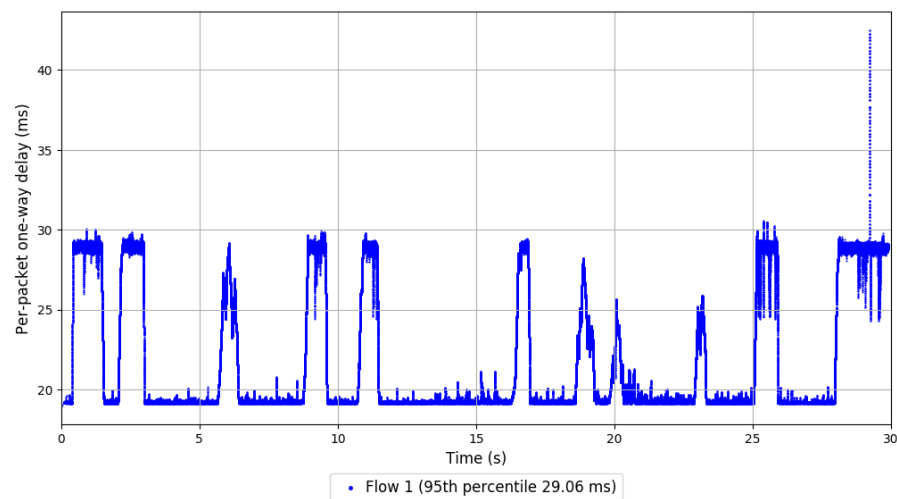
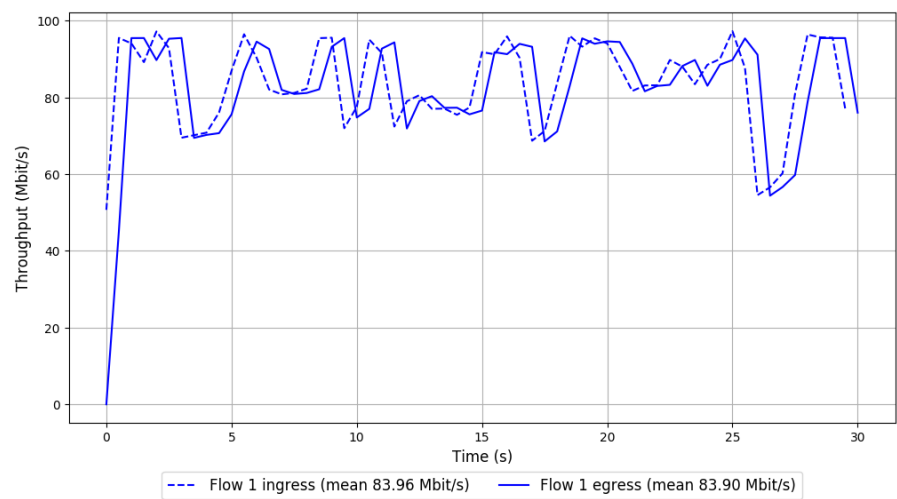


Run 9: Statistics of PCC-Expr

Start at: 2018-08-09 20:15:04
End at: 2018-08-09 20:15:34
Local clock offset: 4.07 ms
Remote clock offset: -12.516 ms

Below is generated by plot.py at 2018-08-09 20:56:27
Datalink statistics
-- Total of 1 flow:
Average throughput: 83.90 Mbit/s
95th percentile per-packet one-way delay: 29.059 ms
Loss rate: 0.15%
-- Flow 1:
Average throughput: 83.90 Mbit/s
95th percentile per-packet one-way delay: 29.059 ms
Loss rate: 0.15%

Run 9: Report of PCC-Expr — Data Link

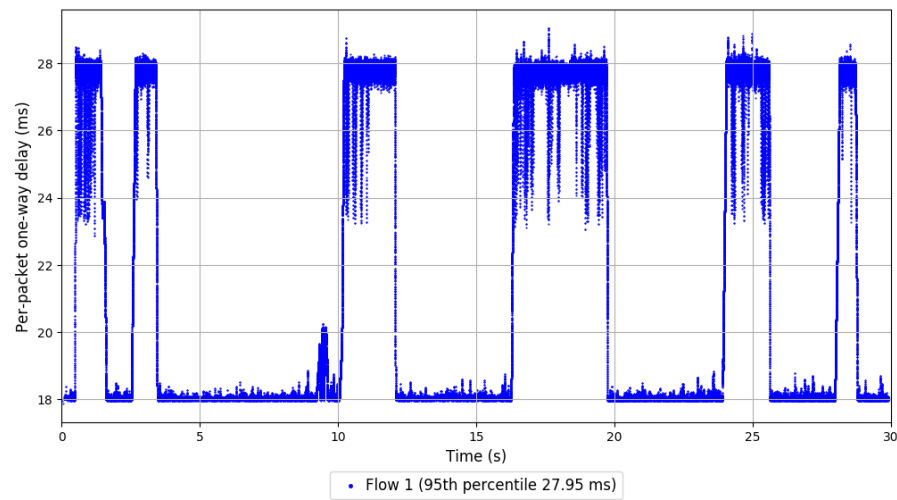
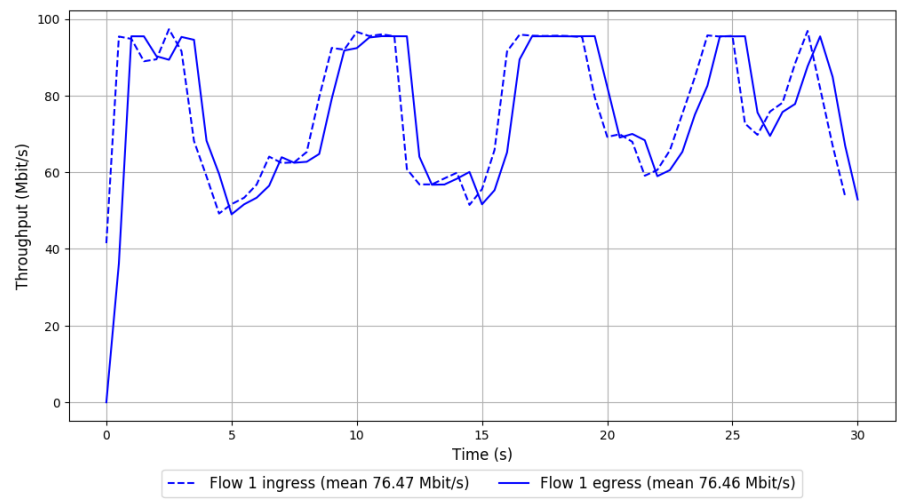


Run 10: Statistics of PCC-Expr

Start at: 2018-08-09 20:34:46
End at: 2018-08-09 20:35:16
Local clock offset: 2.864 ms
Remote clock offset: -12.455 ms

Below is generated by plot.py at 2018-08-09 20:56:27
Datalink statistics
-- Total of 1 flow:
Average throughput: 76.46 Mbit/s
95th percentile per-packet one-way delay: 27.952 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 76.46 Mbit/s
95th percentile per-packet one-way delay: 27.952 ms
Loss rate: 0.08%

Run 10: Report of PCC-Expr — Data Link



Run 1: Statistics of QUIC Cubic

Start at: 2018-08-09 17:30:40

End at: 2018-08-09 17:31:10

Local clock offset: -0.952 ms

Remote clock offset: -6.506 ms

Below is generated by plot.py at 2018-08-09 20:56:30

Datalink statistics

-- Total of 1 flow:

Average throughput: 88.22 Mbit/s

95th percentile per-packet one-way delay: 27.474 ms

Loss rate: 0.12%

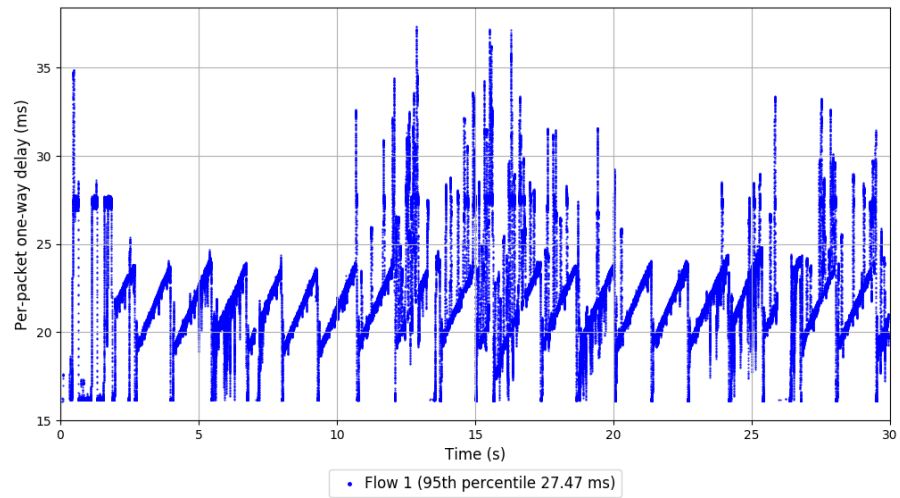
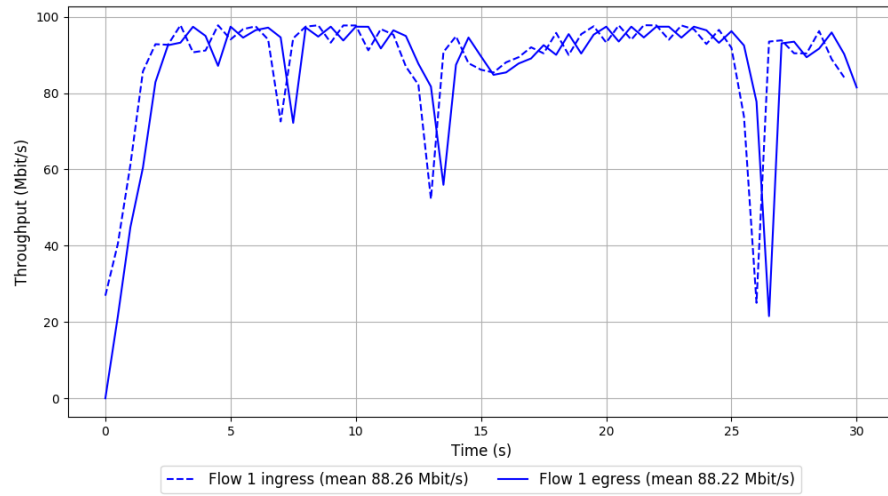
-- Flow 1:

Average throughput: 88.22 Mbit/s

95th percentile per-packet one-way delay: 27.474 ms

Loss rate: 0.12%

Run 1: Report of QUIC Cubic — Data Link



Run 2: Statistics of QUIC Cubic

Start at: 2018-08-09 17:50:22

End at: 2018-08-09 17:50:52

Local clock offset: 1.446 ms

Remote clock offset: -6.924 ms

Below is generated by plot.py at 2018-08-09 20:56:46

Datalink statistics

-- Total of 1 flow:

Average throughput: 91.31 Mbit/s

95th percentile per-packet one-way delay: 26.734 ms

Loss rate: 0.13%

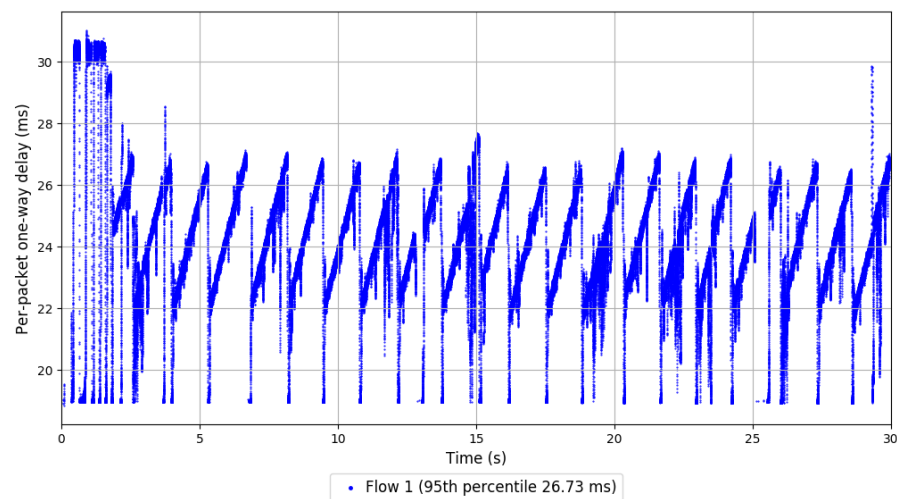
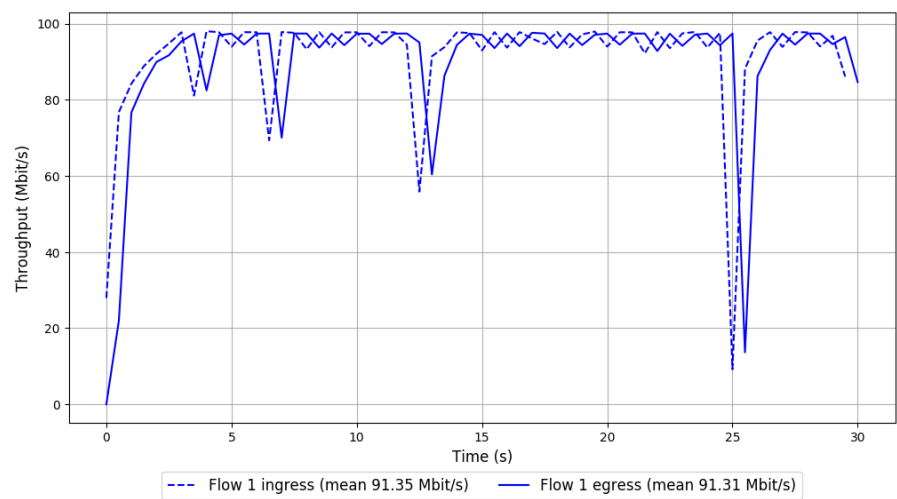
-- Flow 1:

Average throughput: 91.31 Mbit/s

95th percentile per-packet one-way delay: 26.734 ms

Loss rate: 0.13%

Run 2: Report of QUIC Cubic — Data Link

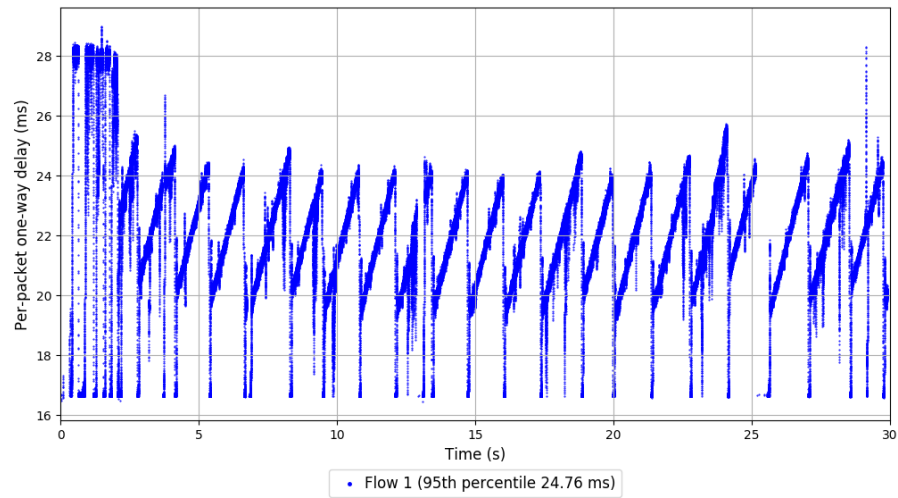
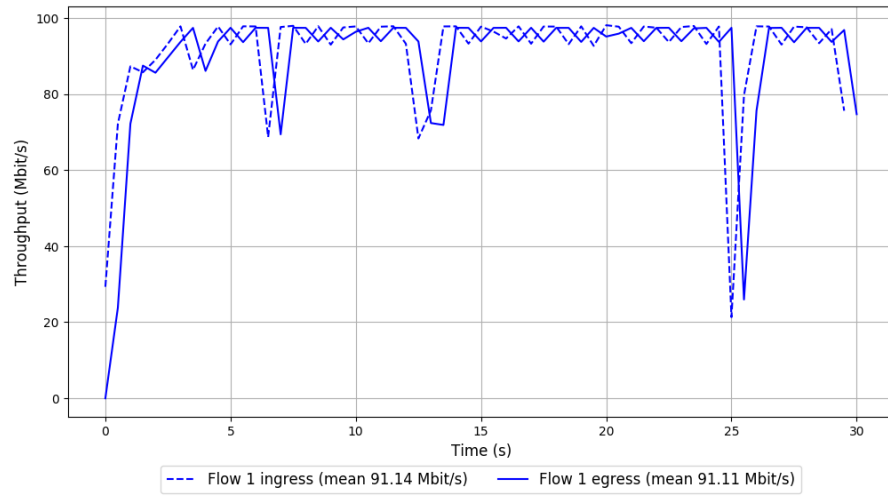


Run 3: Statistics of QUIC Cubic

Start at: 2018-08-09 18:10:31
End at: 2018-08-09 18:11:01
Local clock offset: -1.11 ms
Remote clock offset: -7.611 ms

Below is generated by plot.py at 2018-08-09 20:56:48
Datalink statistics
-- Total of 1 flow:
Average throughput: 91.11 Mbit/s
95th percentile per-packet one-way delay: 24.763 ms
Loss rate: 0.11%
-- Flow 1:
Average throughput: 91.11 Mbit/s
95th percentile per-packet one-way delay: 24.763 ms
Loss rate: 0.11%

Run 3: Report of QUIC Cubic — Data Link



Run 4: Statistics of QUIC Cubic

Start at: 2018-08-09 18:30:14

End at: 2018-08-09 18:30:44

Local clock offset: 1.543 ms

Remote clock offset: -9.125 ms

Below is generated by plot.py at 2018-08-09 20:56:58

Datalink statistics

-- Total of 1 flow:

Average throughput: 90.58 Mbit/s

95th percentile per-packet one-way delay: 26.805 ms

Loss rate: 0.12%

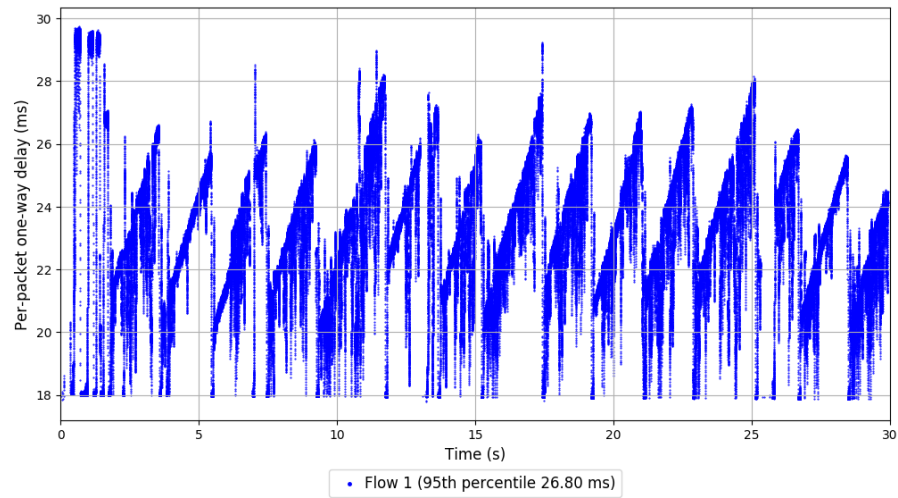
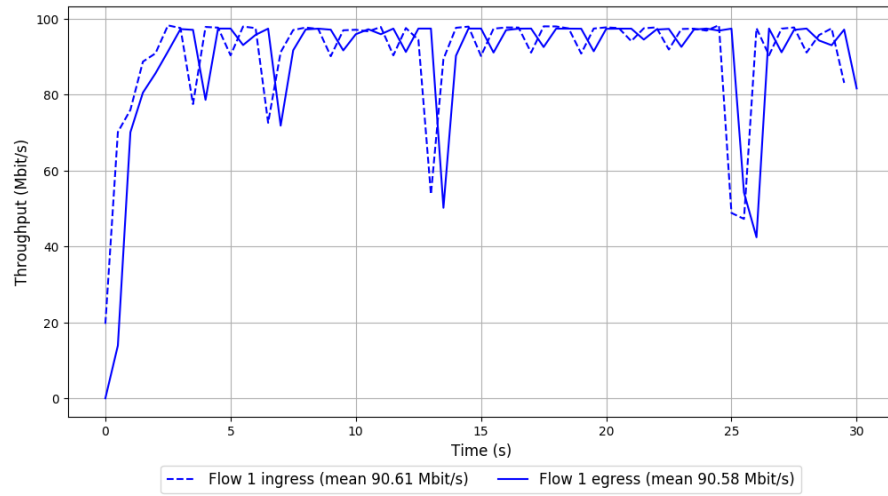
-- Flow 1:

Average throughput: 90.58 Mbit/s

95th percentile per-packet one-way delay: 26.805 ms

Loss rate: 0.12%

Run 4: Report of QUIC Cubic — Data Link

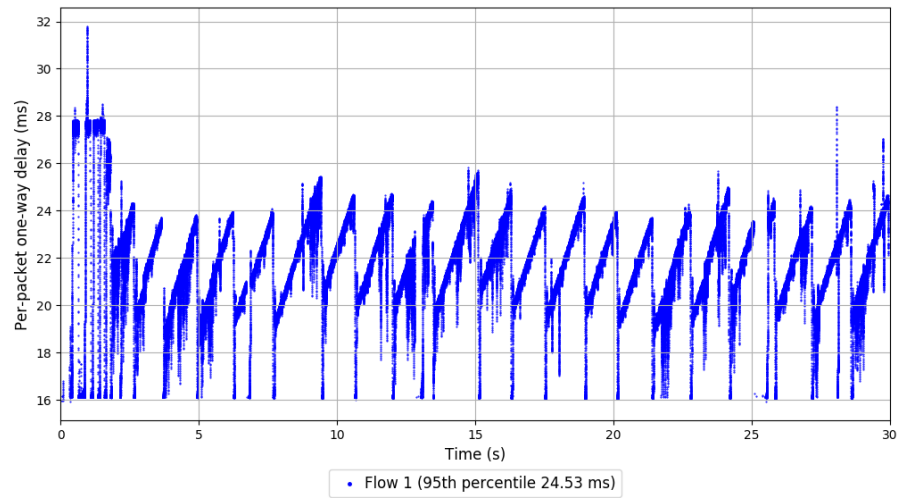
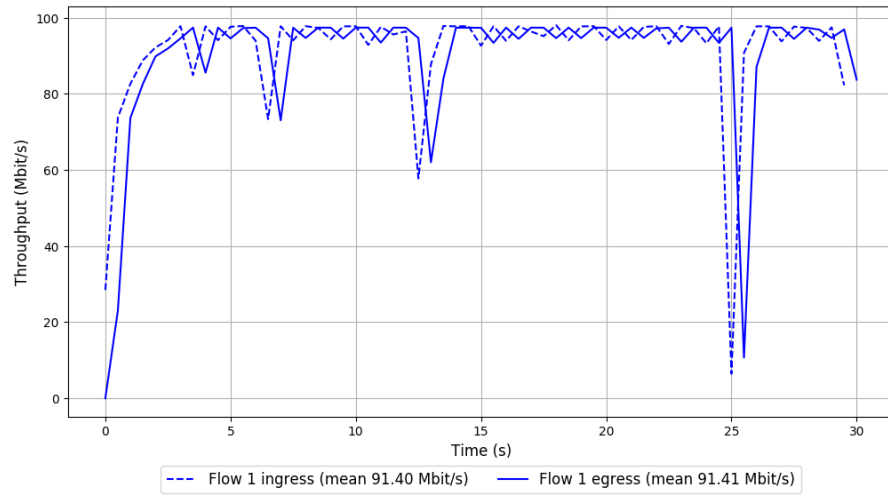


Run 5: Statistics of QUIC Cubic

Start at: 2018-08-09 18:50:19
End at: 2018-08-09 18:50:49
Local clock offset: 0.29 ms
Remote clock offset: -10.903 ms

Below is generated by plot.py at 2018-08-09 20:56:59
Datalink statistics
-- Total of 1 flow:
Average throughput: 91.41 Mbit/s
95th percentile per-packet one-way delay: 24.531 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 91.41 Mbit/s
95th percentile per-packet one-way delay: 24.531 ms
Loss rate: 0.07%

Run 5: Report of QUIC Cubic — Data Link

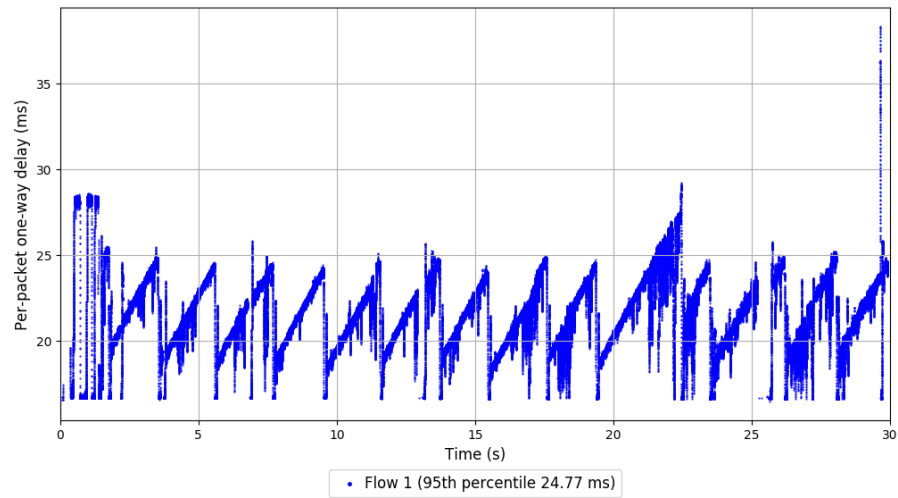
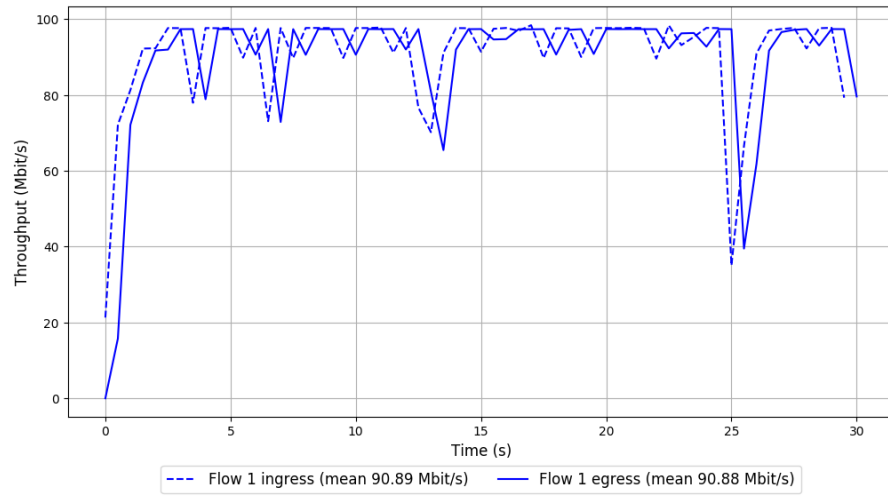


Run 6: Statistics of QUIC Cubic

Start at: 2018-08-09 19:10:20
End at: 2018-08-09 19:10:50
Local clock offset: 0.842 ms
Remote clock offset: -12.671 ms

Below is generated by plot.py at 2018-08-09 20:57:06
Datalink statistics
-- Total of 1 flow:
Average throughput: 90.88 Mbit/s
95th percentile per-packet one-way delay: 24.765 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 90.88 Mbit/s
95th percentile per-packet one-way delay: 24.765 ms
Loss rate: 0.09%

Run 6: Report of QUIC Cubic — Data Link

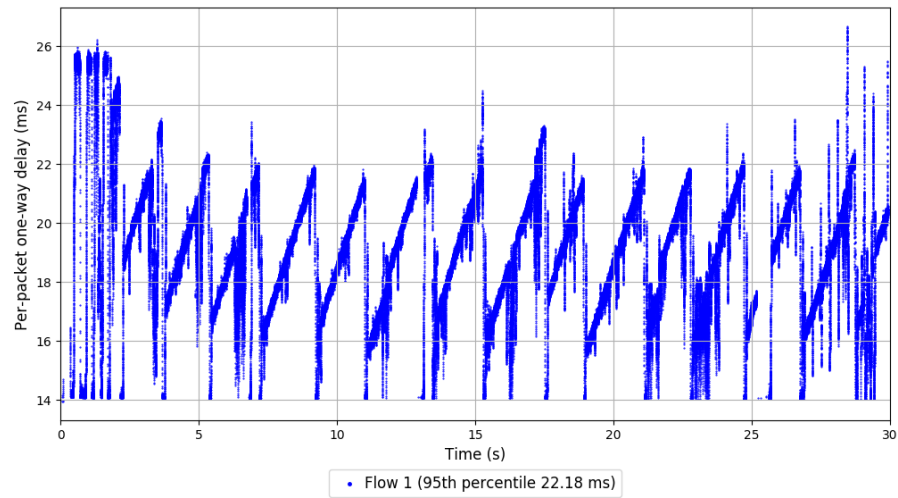
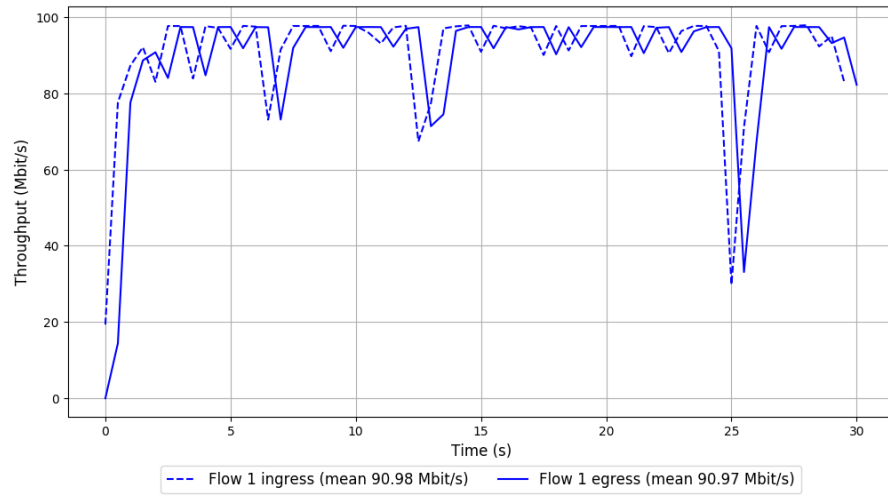


Run 7: Statistics of QUIC Cubic

Start at: 2018-08-09 19:30:34
End at: 2018-08-09 19:31:04
Local clock offset: -2.002 ms
Remote clock offset: -14.219 ms

Below is generated by plot.py at 2018-08-09 20:57:42
Datalink statistics
-- Total of 1 flow:
Average throughput: 90.97 Mbit/s
95th percentile per-packet one-way delay: 22.180 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 90.97 Mbit/s
95th percentile per-packet one-way delay: 22.180 ms
Loss rate: 0.09%

Run 7: Report of QUIC Cubic — Data Link

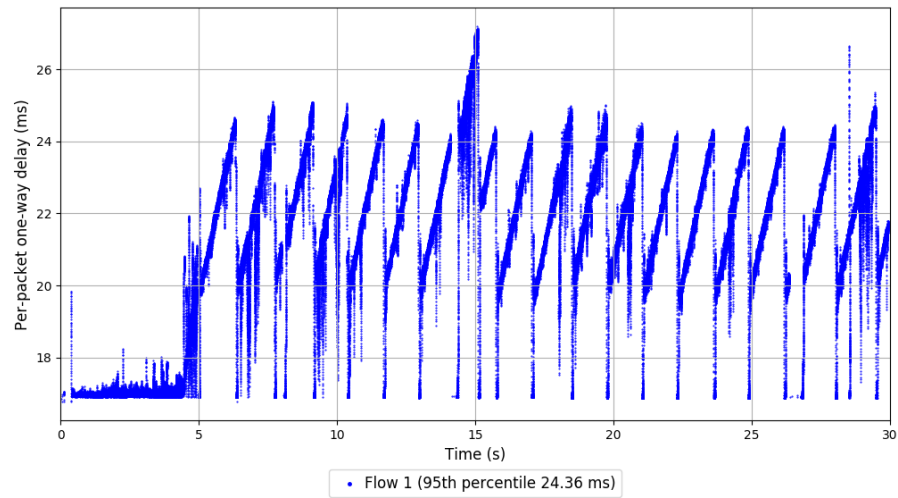
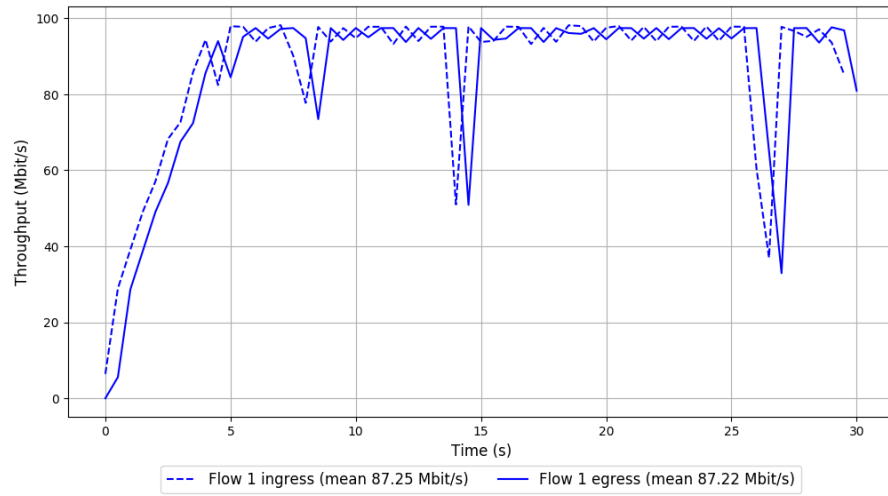


Run 8: Statistics of QUIC Cubic

Start at: 2018-08-09 19:50:35
End at: 2018-08-09 19:51:05
Local clock offset: 0.258 ms
Remote clock offset: -13.248 ms

Below is generated by plot.py at 2018-08-09 20:57:45
Datalink statistics
-- Total of 1 flow:
Average throughput: 87.22 Mbit/s
95th percentile per-packet one-way delay: 24.360 ms
Loss rate: 0.12%
-- Flow 1:
Average throughput: 87.22 Mbit/s
95th percentile per-packet one-way delay: 24.360 ms
Loss rate: 0.12%

Run 8: Report of QUIC Cubic — Data Link

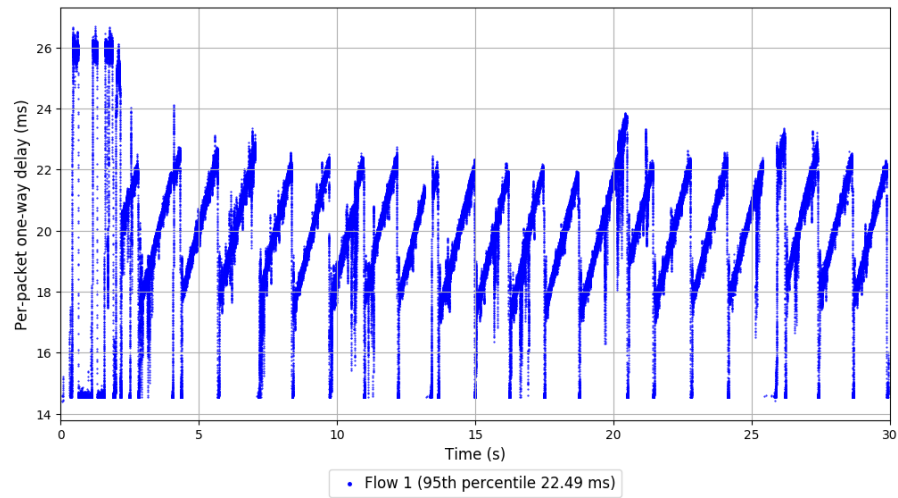
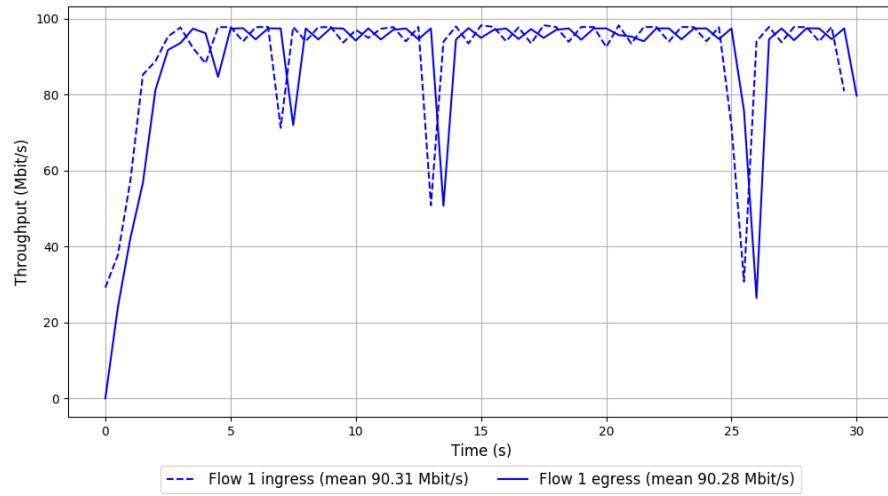


Run 9: Statistics of QUIC Cubic

Start at: 2018-08-09 20:10:16
End at: 2018-08-09 20:10:46
Local clock offset: -0.475 ms
Remote clock offset: -12.451 ms

Below is generated by plot.py at 2018-08-09 20:57:52
Datalink statistics
-- Total of 1 flow:
Average throughput: 90.28 Mbit/s
95th percentile per-packet one-way delay: 22.492 ms
Loss rate: 0.11%
-- Flow 1:
Average throughput: 90.28 Mbit/s
95th percentile per-packet one-way delay: 22.492 ms
Loss rate: 0.11%

Run 9: Report of QUIC Cubic — Data Link



Run 10: Statistics of QUIC Cubic

Start at: 2018-08-09 20:30:01

End at: 2018-08-09 20:30:31

Local clock offset: 0.732 ms

Remote clock offset: -12.728 ms

Below is generated by plot.py at 2018-08-09 20:58:03

Datalink statistics

-- Total of 1 flow:

Average throughput: 91.44 Mbit/s

95th percentile per-packet one-way delay: 24.394 ms

Loss rate: 0.11%

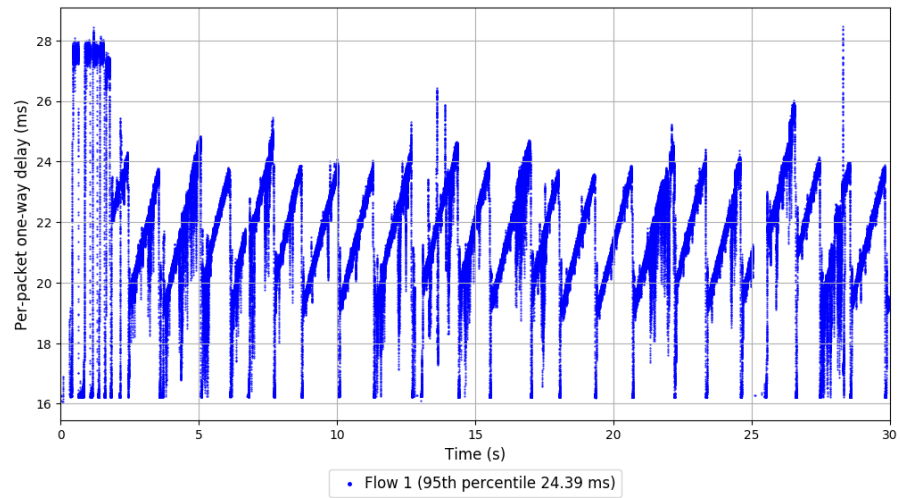
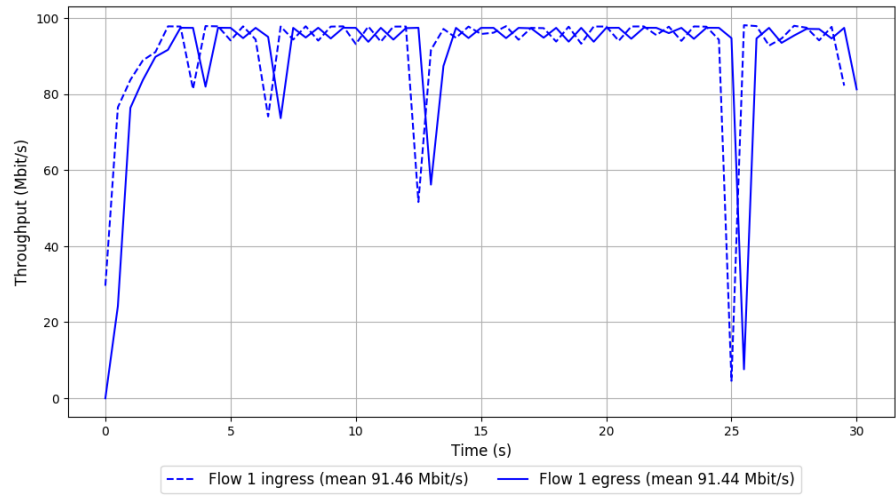
-- Flow 1:

Average throughput: 91.44 Mbit/s

95th percentile per-packet one-way delay: 24.394 ms

Loss rate: 0.11%

Run 10: Report of QUIC Cubic — Data Link

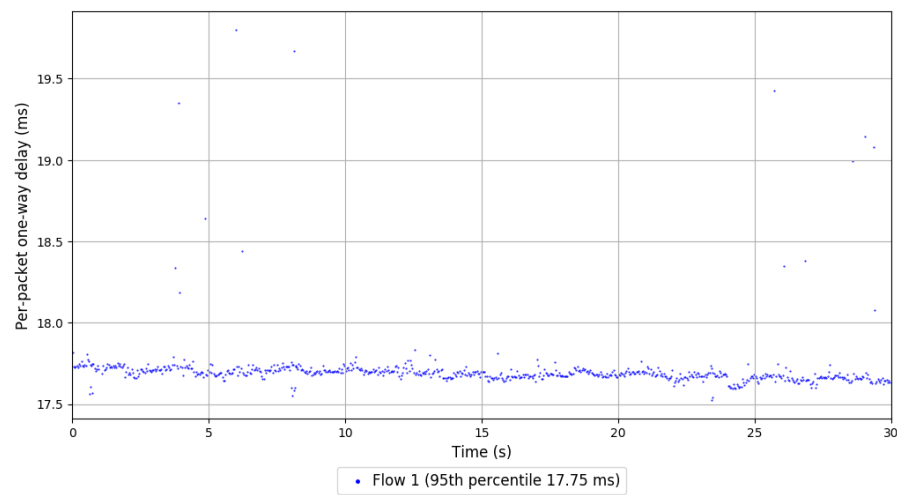
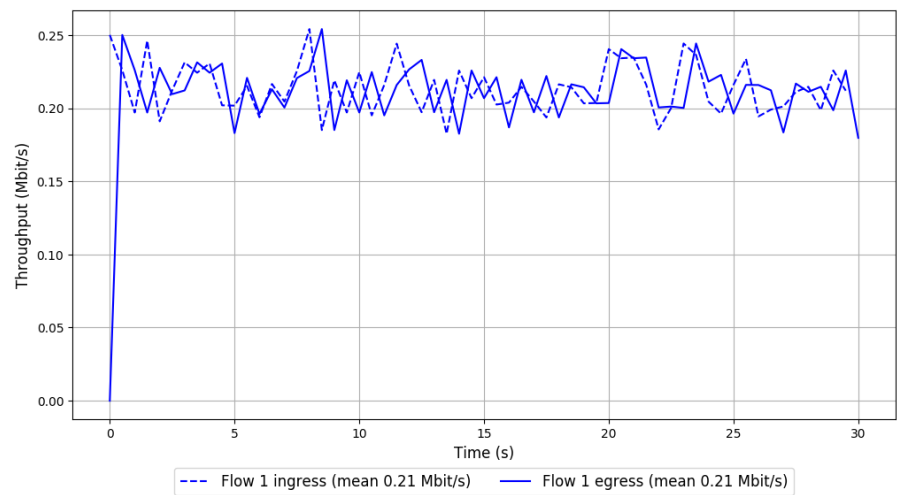


```
Run 1: Statistics of SCReAM

Start at: 2018-08-09 17:25:06
End at: 2018-08-09 17:25:36
Local clock offset: 0.923 ms
Remote clock offset: -5.564 ms

# Below is generated by plot.py at 2018-08-09 20:58:03
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 17.749 ms
Loss rate: 0.25%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 17.749 ms
Loss rate: 0.25%
```


Run 1: Report of SReAM — Data Link

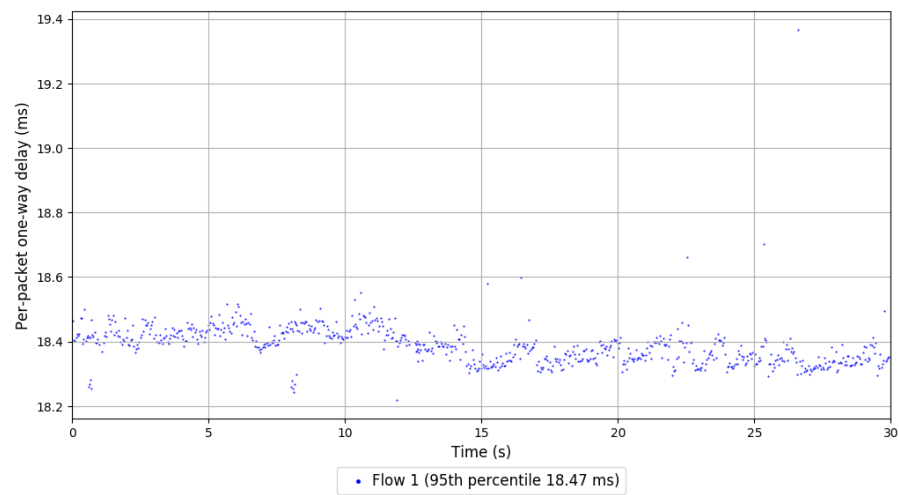
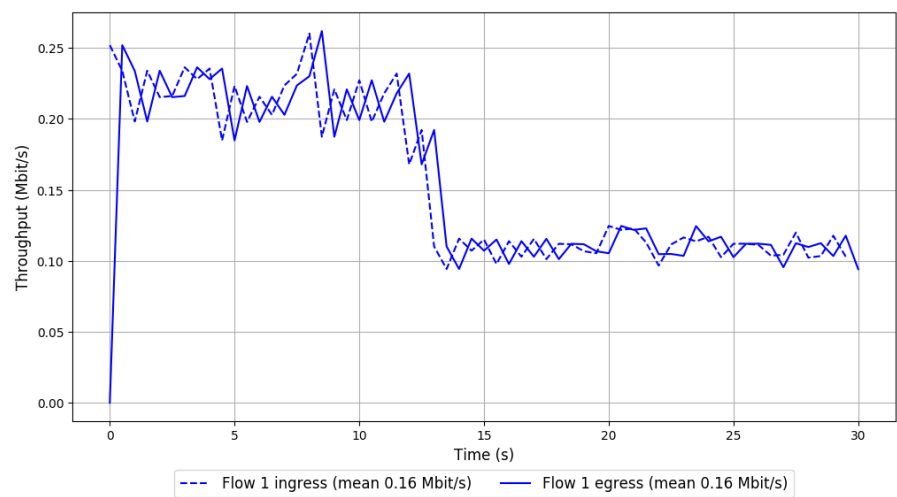


Run 2: Statistics of SCReAM

Start at: 2018-08-09 17:44:40
End at: 2018-08-09 17:45:10
Local clock offset: 1.246 ms
Remote clock offset: -6.686 ms

Below is generated by plot.py at 2018-08-09 20:58:03
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.16 Mbit/s
95th percentile per-packet one-way delay: 18.470 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 0.16 Mbit/s
95th percentile per-packet one-way delay: 18.470 ms
Loss rate: 0.09%

Run 2: Report of SReAM — Data Link

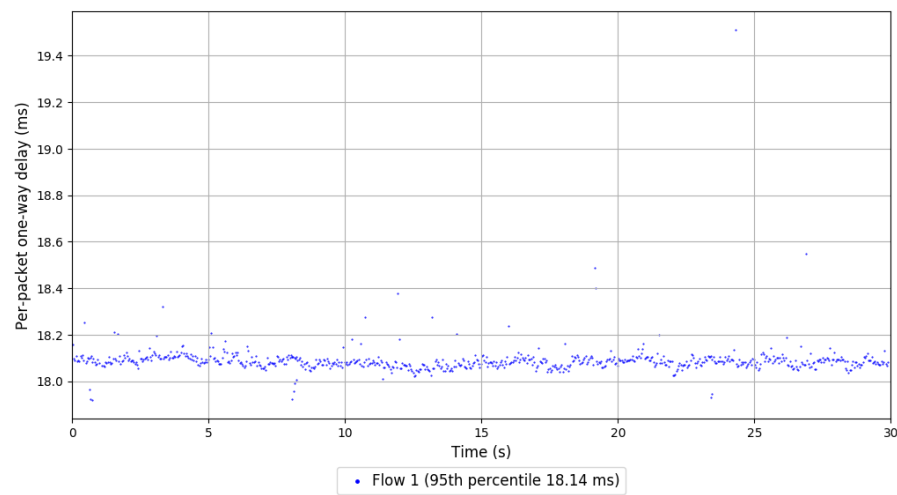
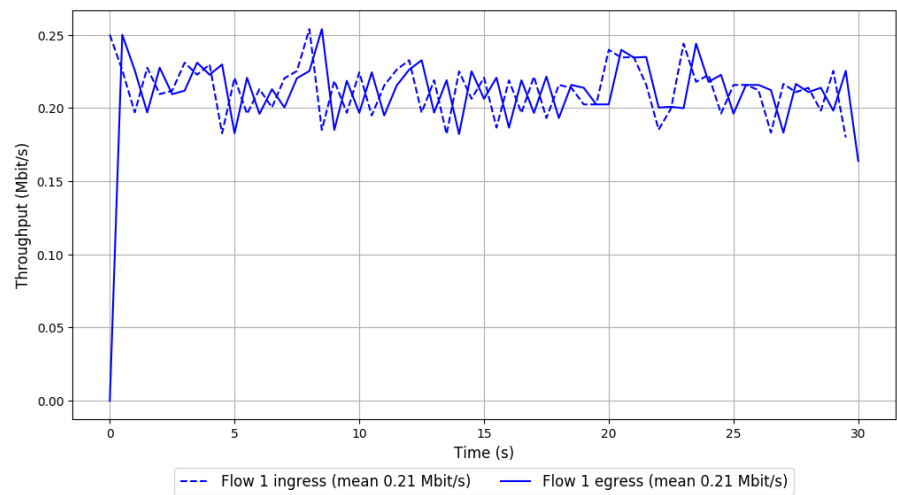


Run 3: Statistics of SCReAM

Start at: 2018-08-09 18:04:46
End at: 2018-08-09 18:05:16
Local clock offset: 0.469 ms
Remote clock offset: -7.408 ms

Below is generated by plot.py at 2018-08-09 20:58:03
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 18.135 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 18.135 ms
Loss rate: 0.13%

Run 3: Report of SReAM — Data Link

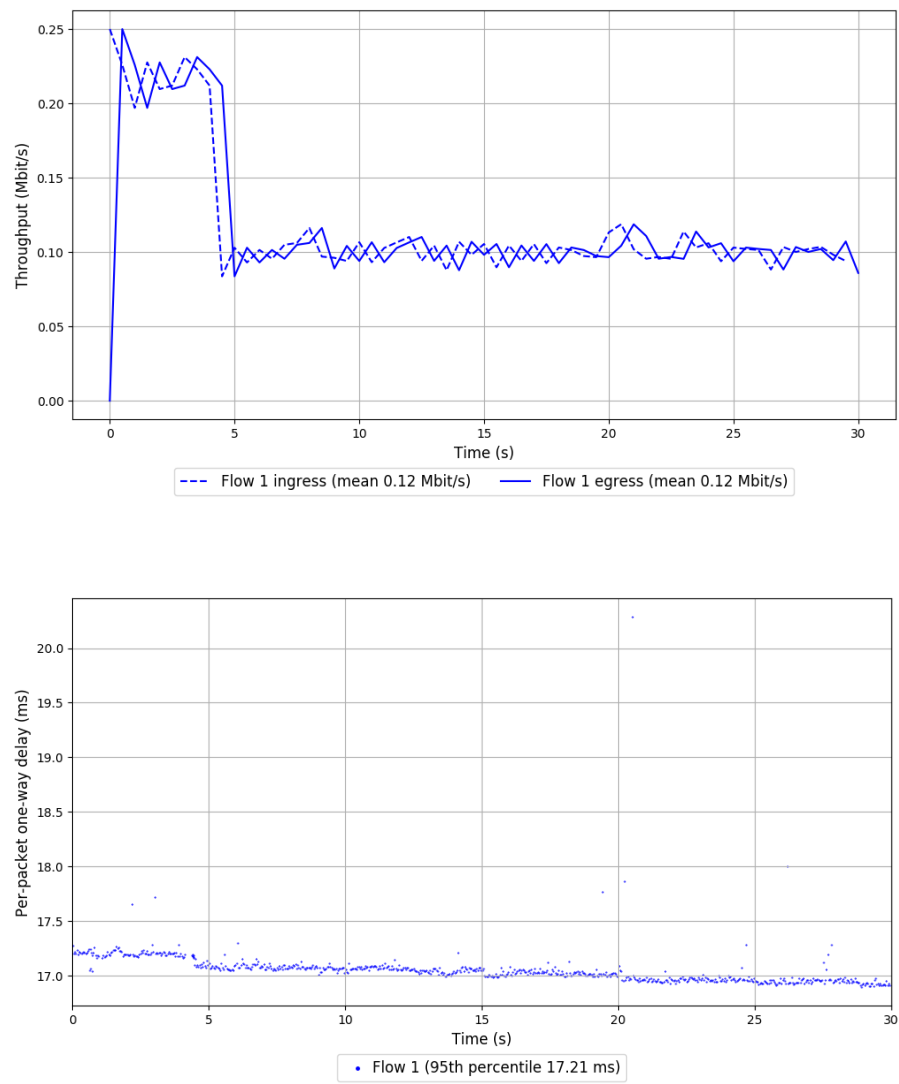


Run 4: Statistics of SCReAM

Start at: 2018-08-09 18:24:35
End at: 2018-08-09 18:25:05
Local clock offset: 0.119 ms
Remote clock offset: -7.758 ms

Below is generated by plot.py at 2018-08-09 20:58:03
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.12 Mbit/s
95th percentile per-packet one-way delay: 17.214 ms
Loss rate: 0.11%
-- Flow 1:
Average throughput: 0.12 Mbit/s
95th percentile per-packet one-way delay: 17.214 ms
Loss rate: 0.11%

Run 4: Report of SReAM — Data Link

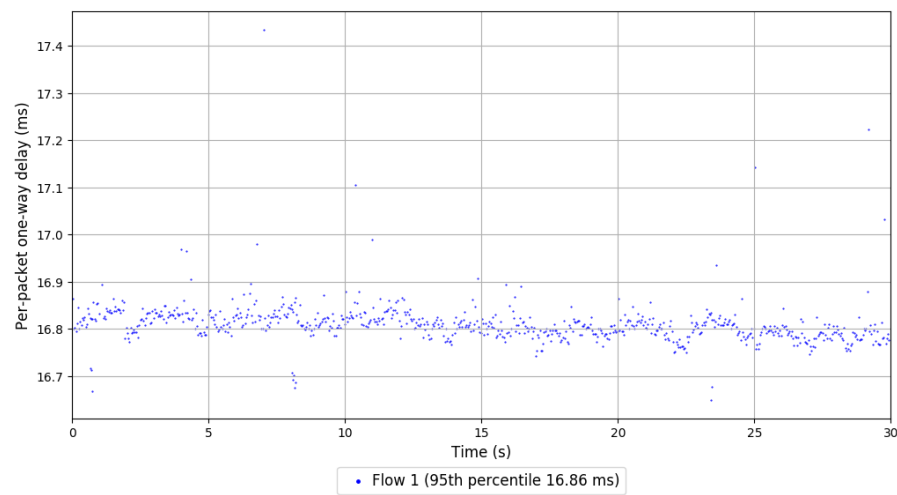
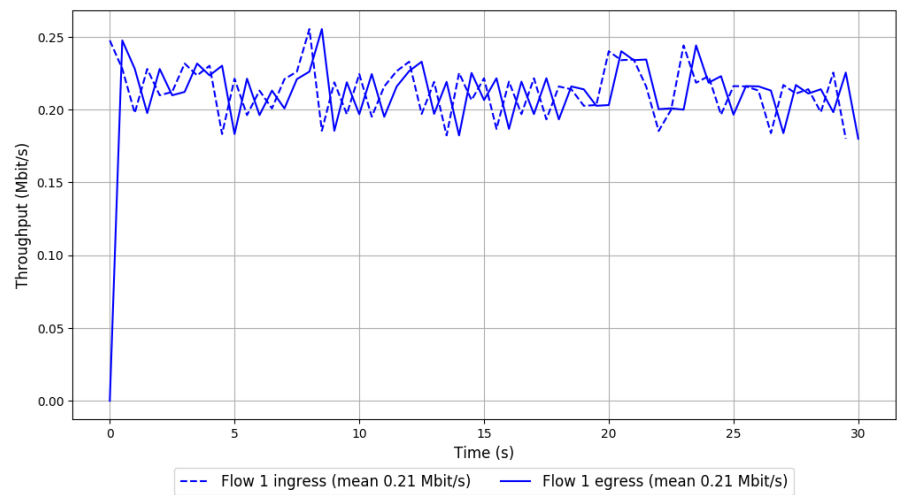


Run 5: Statistics of SCReAM

Start at: 2018-08-09 18:44:39
End at: 2018-08-09 18:45:09
Local clock offset: 1.571 ms
Remote clock offset: -10.217 ms

Below is generated by plot.py at 2018-08-09 20:58:03
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 16.860 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 16.860 ms
Loss rate: 0.00%

Run 5: Report of SReAM — Data Link

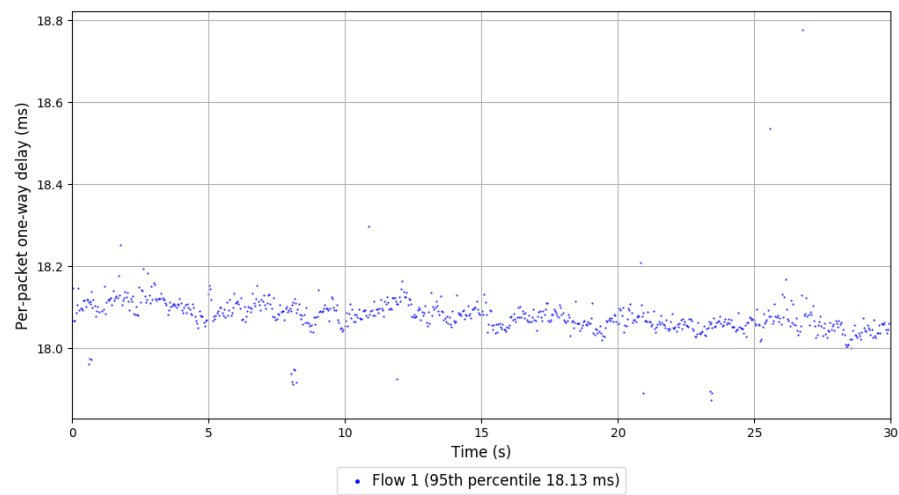
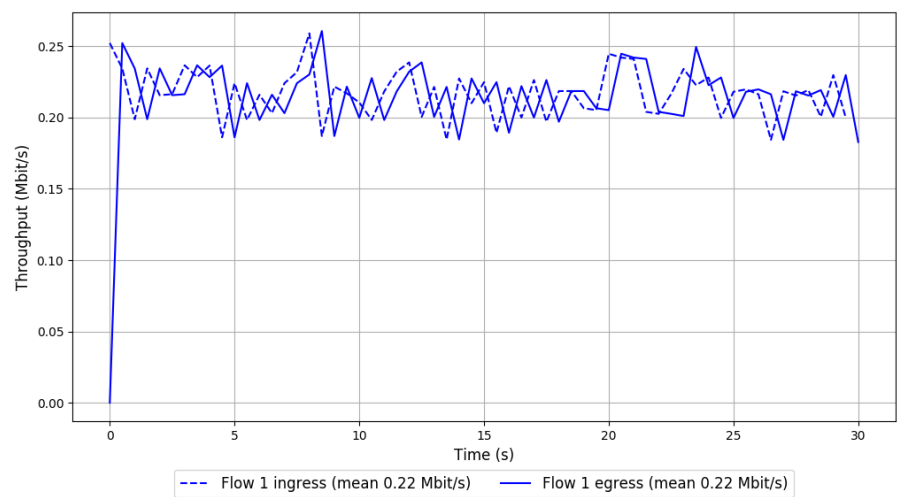


Run 6: Statistics of SCReAM

Start at: 2018-08-09 19:04:39
End at: 2018-08-09 19:05:09
Local clock offset: 0.711 ms
Remote clock offset: -13.584 ms

Below is generated by plot.py at 2018-08-09 20:58:03
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 18.129 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 18.129 ms
Loss rate: 0.13%

Run 6: Report of SReAM — Data Link

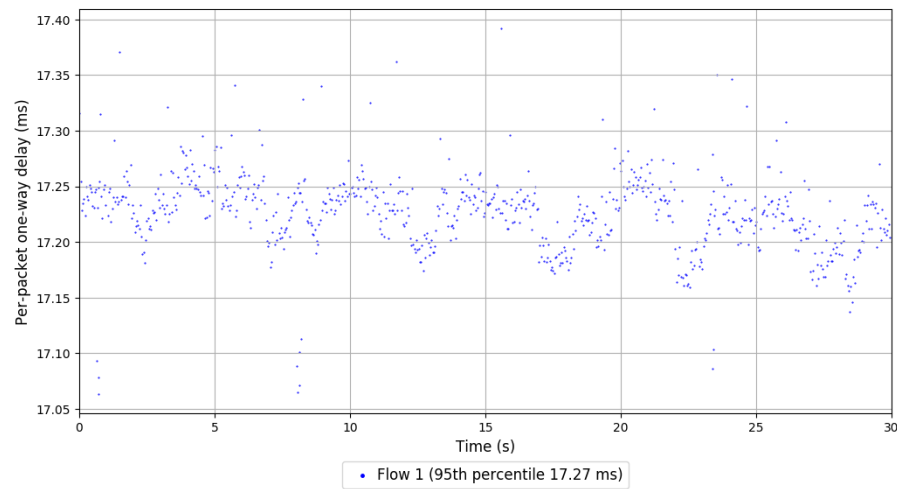
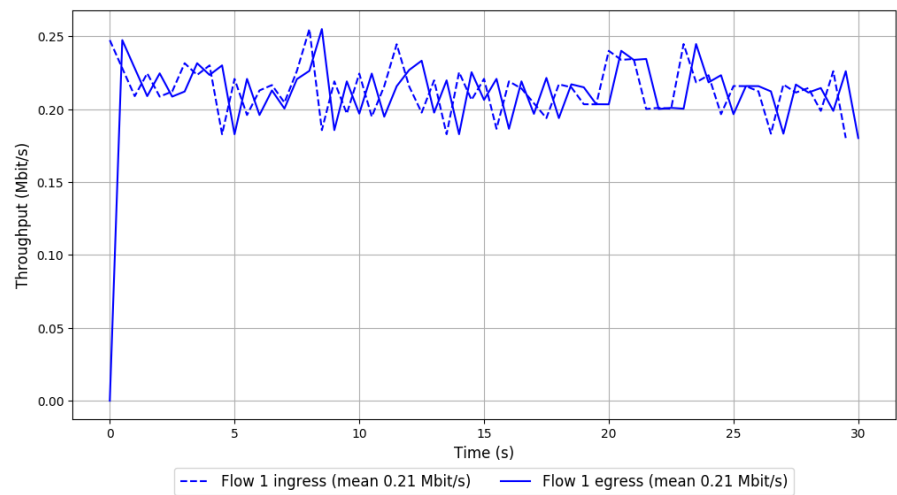


Run 7: Statistics of SCReAM

Start at: 2018-08-09 19:24:52
End at: 2018-08-09 19:25:23
Local clock offset: 0.124 ms
Remote clock offset: -14.842 ms

Below is generated by plot.py at 2018-08-09 20:58:03
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 17.273 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 17.273 ms
Loss rate: 0.00%

Run 7: Report of SReAM — Data Link

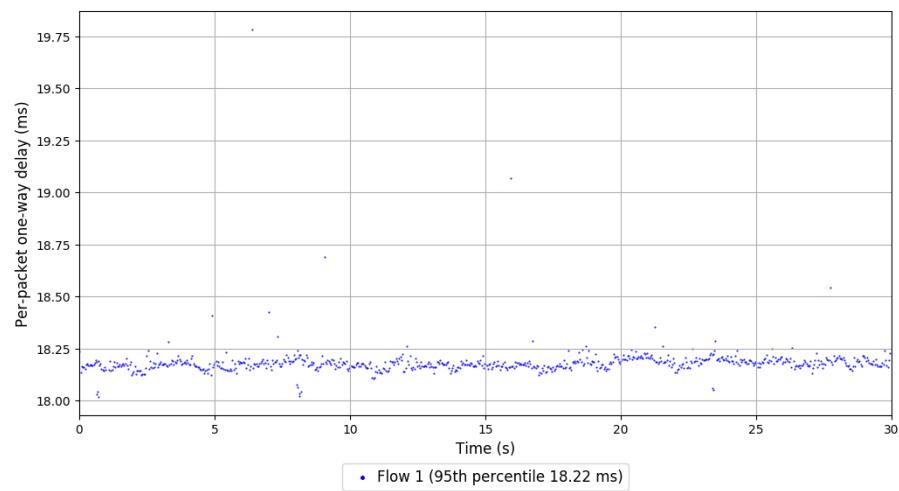
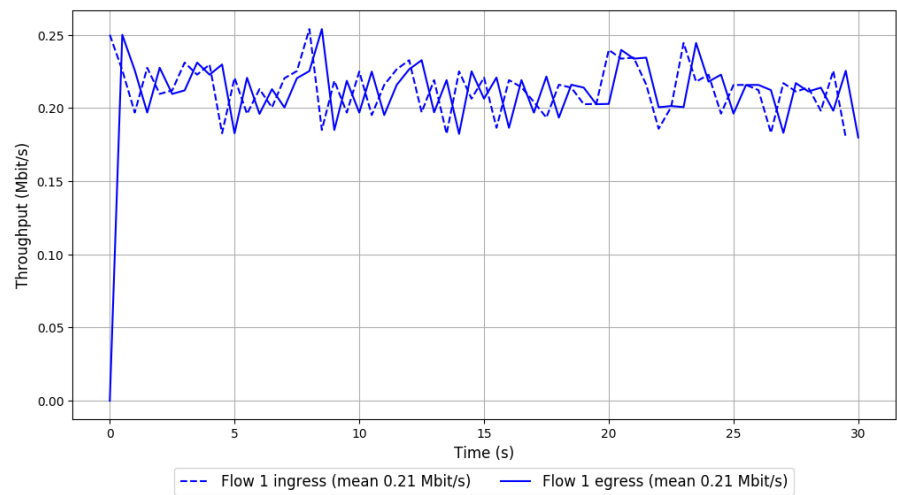


Run 8: Statistics of SCReAM

Start at: 2018-08-09 19:44:43
End at: 2018-08-09 19:45:13
Local clock offset: 0.224 ms
Remote clock offset: -13.81 ms

Below is generated by plot.py at 2018-08-09 20:58:03
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 18.223 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 18.223 ms
Loss rate: 0.00%

Run 8: Report of SReAM — Data Link

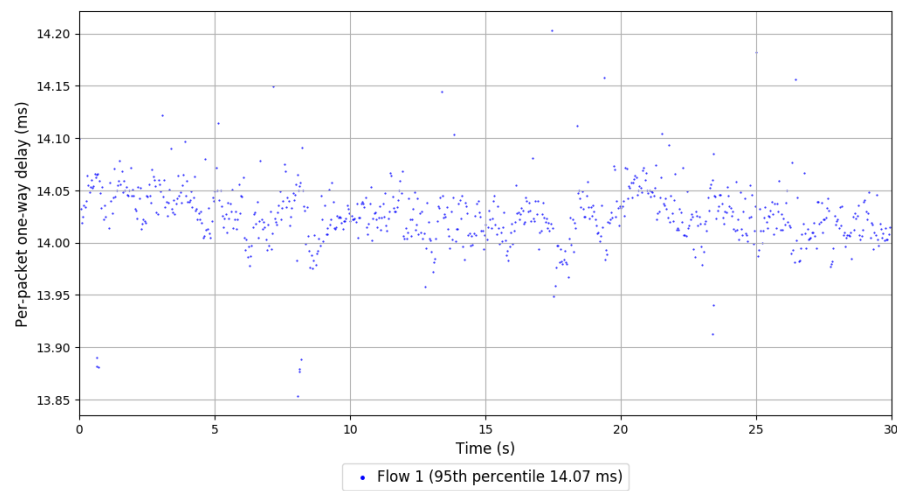
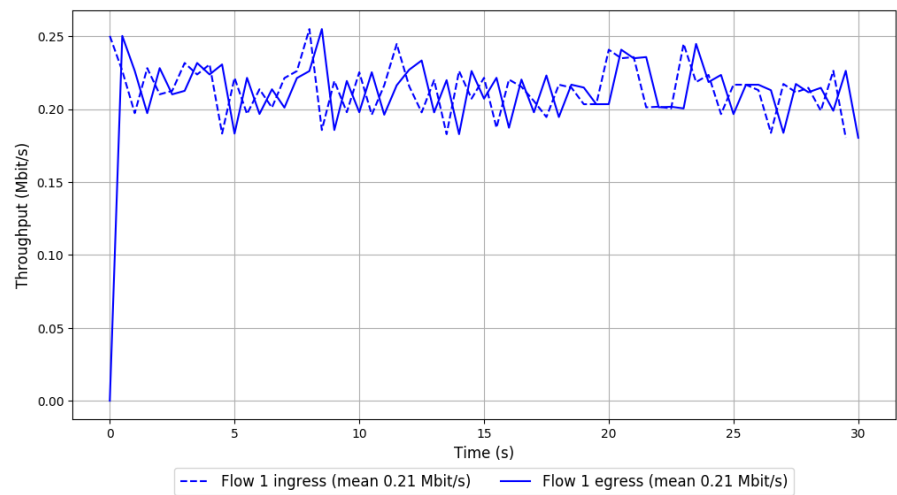


Run 9: Statistics of SReAM

Start at: 2018-08-09 20:04:29
End at: 2018-08-09 20:04:59
Local clock offset: -1.904 ms
Remote clock offset: -13.396 ms

Below is generated by plot.py at 2018-08-09 20:58:03
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 14.067 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 14.067 ms
Loss rate: 0.00%

Run 9: Report of SReAM — Data Link

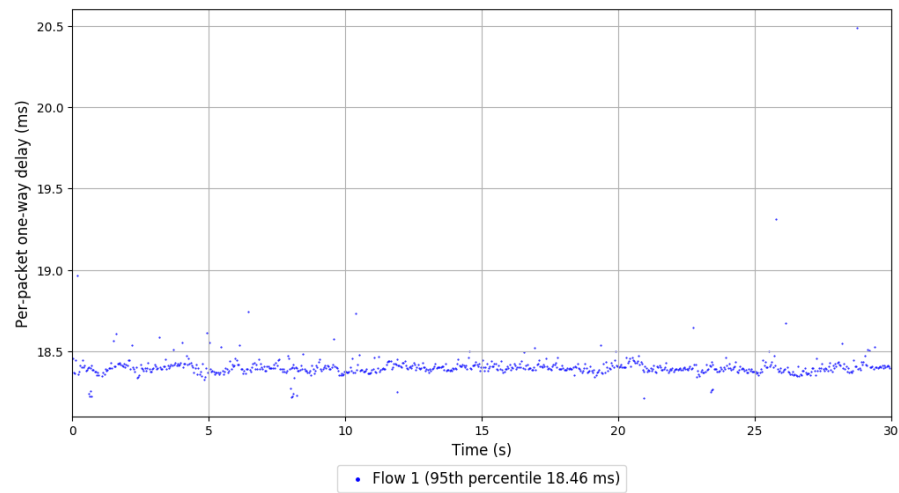
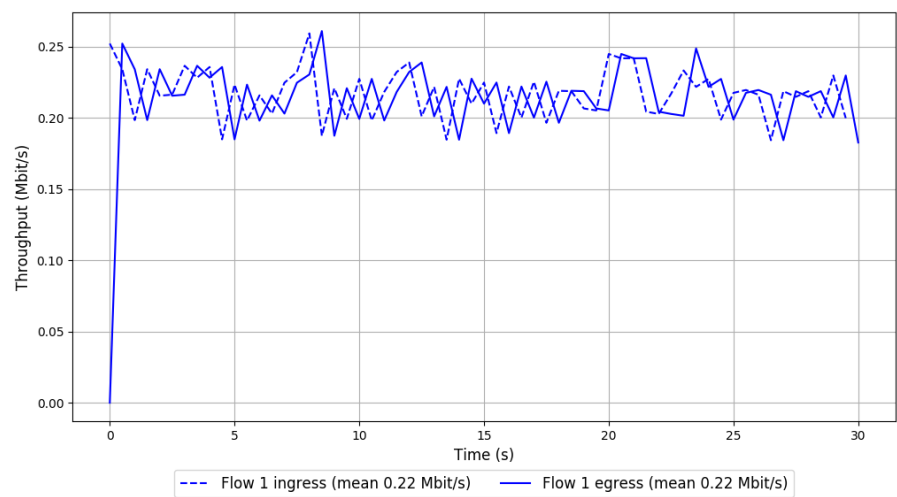


Run 10: Statistics of SCReAM

Start at: 2018-08-09 20:24:20
End at: 2018-08-09 20:24:50
Local clock offset: 3.004 ms
Remote clock offset: -12.548 ms

Below is generated by plot.py at 2018-08-09 20:58:03
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 18.464 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 18.464 ms
Loss rate: 0.13%

Run 10: Report of SReAM — Data Link



Run 1: Statistics of Sprout

Start at: 2018-08-09 17:29:34

End at: 2018-08-09 17:30:04

Local clock offset: 1.381 ms

Remote clock offset: -6.503 ms

Below is generated by plot.py at 2018-08-09 20:58:03

Datalink statistics

-- Total of 1 flow:

Average throughput: 17.87 Mbit/s

95th percentile per-packet one-way delay: 25.304 ms

Loss rate: 0.12%

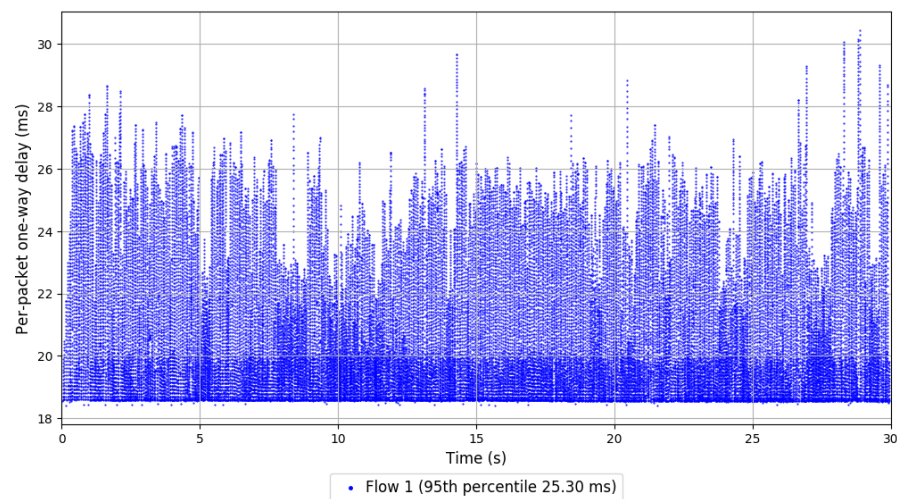
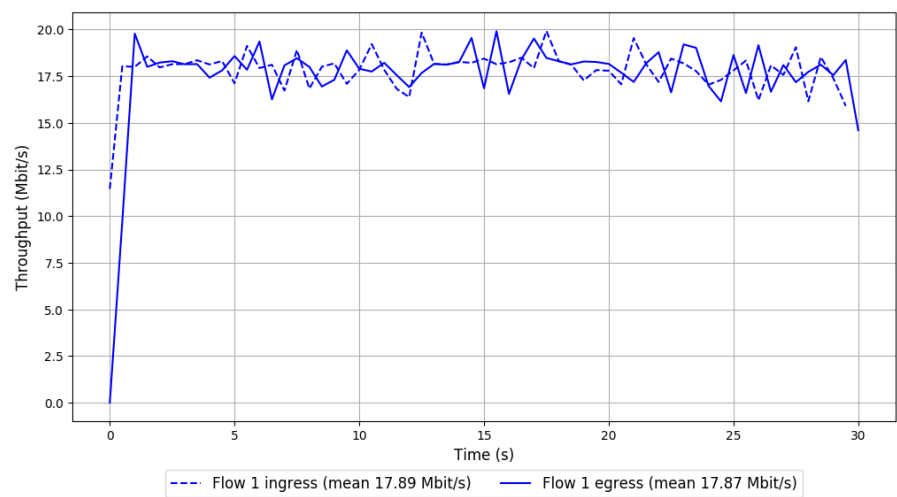
-- Flow 1:

Average throughput: 17.87 Mbit/s

95th percentile per-packet one-way delay: 25.304 ms

Loss rate: 0.12%

Run 1: Report of Sprout — Data Link

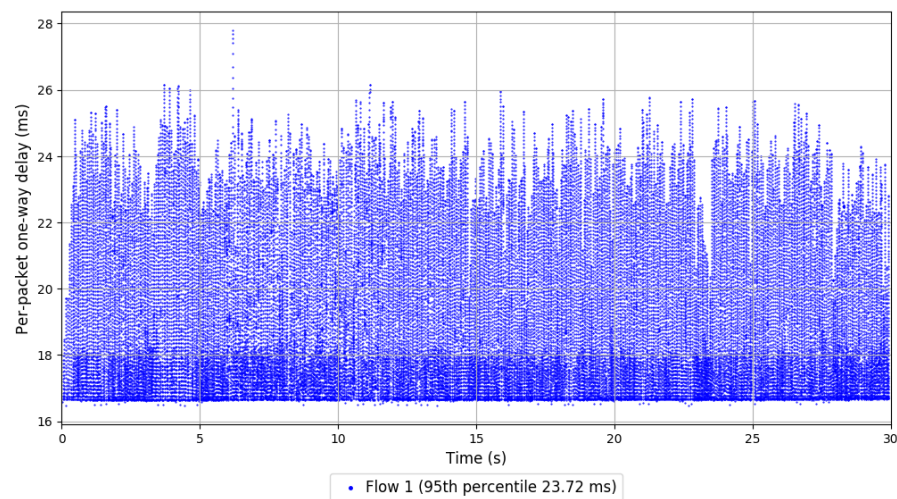
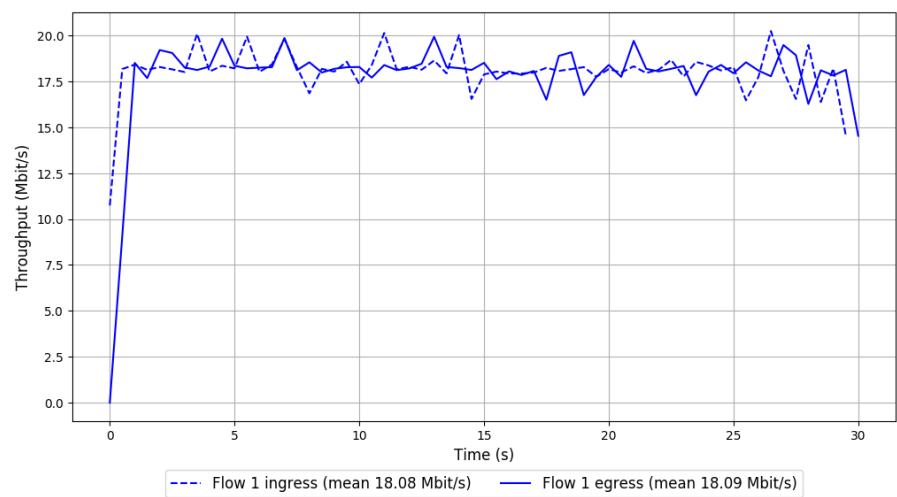


Run 2: Statistics of Sprout

Start at: 2018-08-09 17:49:17
End at: 2018-08-09 17:49:47
Local clock offset: -1.291 ms
Remote clock offset: -7.349 ms

Below is generated by plot.py at 2018-08-09 20:58:03
Datalink statistics
-- Total of 1 flow:
Average throughput: 18.09 Mbit/s
95th percentile per-packet one-way delay: 23.720 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 18.09 Mbit/s
95th percentile per-packet one-way delay: 23.720 ms
Loss rate: 0.03%

Run 2: Report of Sprout — Data Link

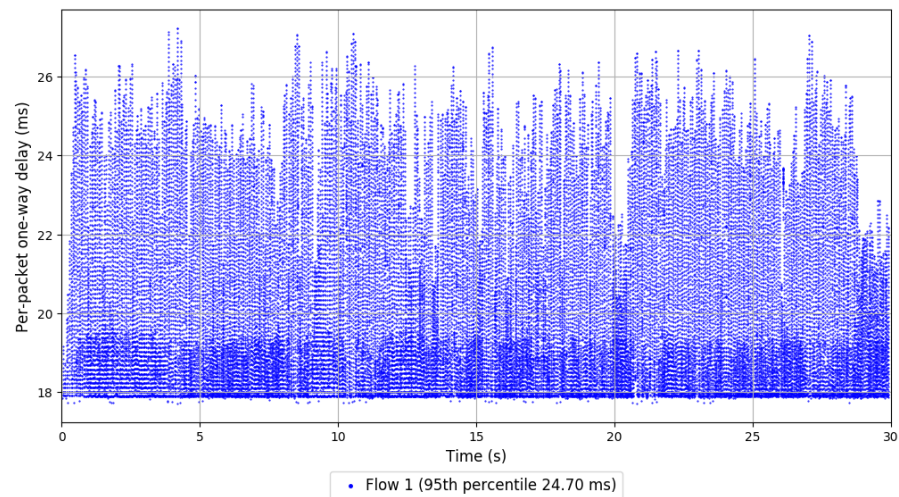
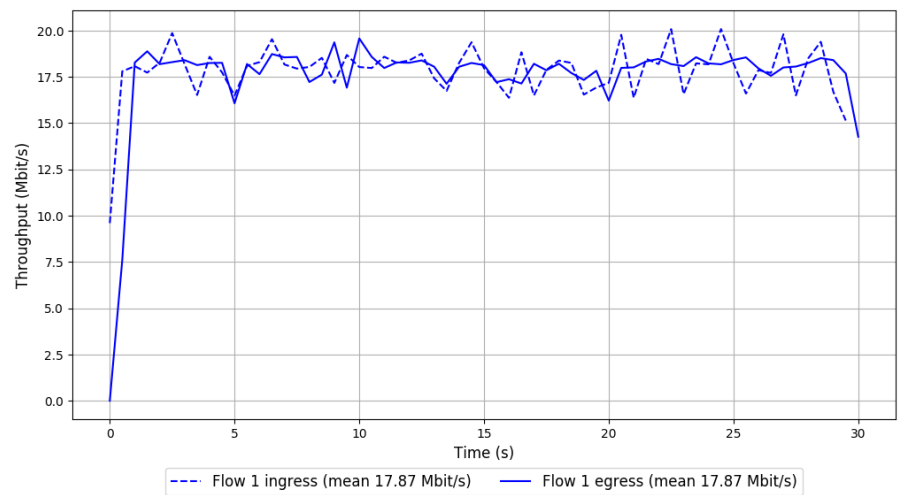


Run 3: Statistics of Sprout

Start at: 2018-08-09 18:09:24
End at: 2018-08-09 18:09:54
Local clock offset: 0.988 ms
Remote clock offset: -6.743 ms

Below is generated by plot.py at 2018-08-09 20:58:03
Datalink statistics
-- Total of 1 flow:
Average throughput: 17.87 Mbit/s
95th percentile per-packet one-way delay: 24.699 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 17.87 Mbit/s
95th percentile per-packet one-way delay: 24.699 ms
Loss rate: 0.08%

Run 3: Report of Sprout — Data Link

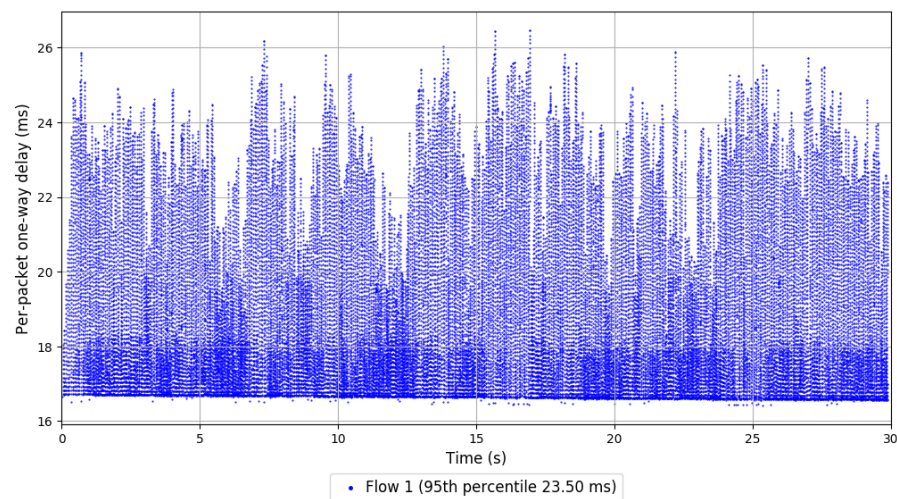
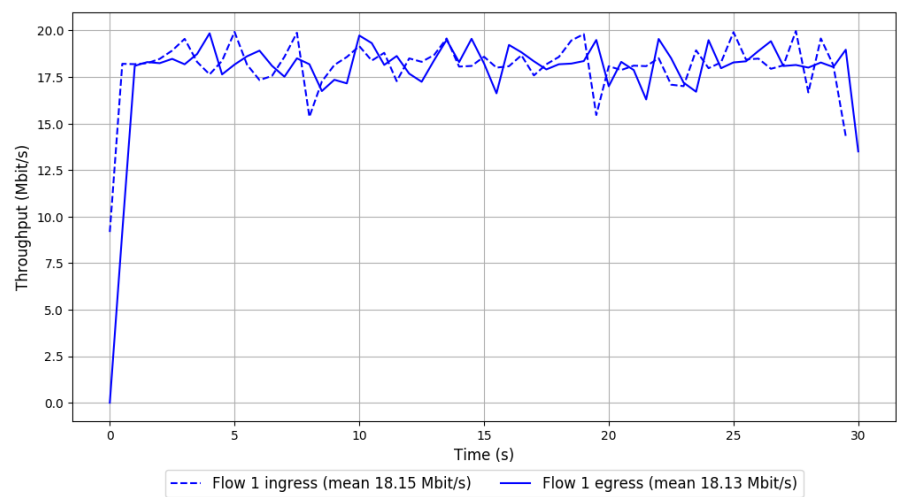


Run 4: Statistics of Sprout

Start at: 2018-08-09 18:29:09
End at: 2018-08-09 18:29:39
Local clock offset: 0.383 ms
Remote clock offset: -8.693 ms

Below is generated by plot.py at 2018-08-09 20:58:03
Datalink statistics
-- Total of 1 flow:
Average throughput: 18.13 Mbit/s
95th percentile per-packet one-way delay: 23.501 ms
Loss rate: 0.17%
-- Flow 1:
Average throughput: 18.13 Mbit/s
95th percentile per-packet one-way delay: 23.501 ms
Loss rate: 0.17%

Run 4: Report of Sprout — Data Link

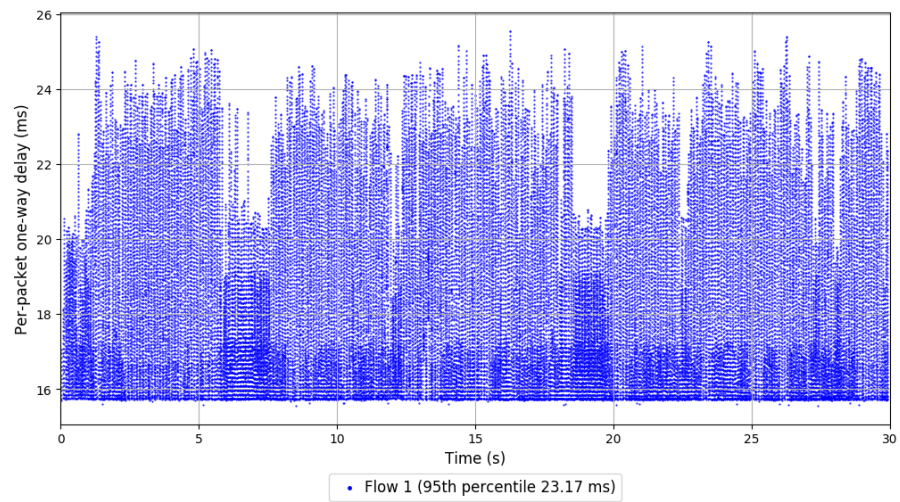
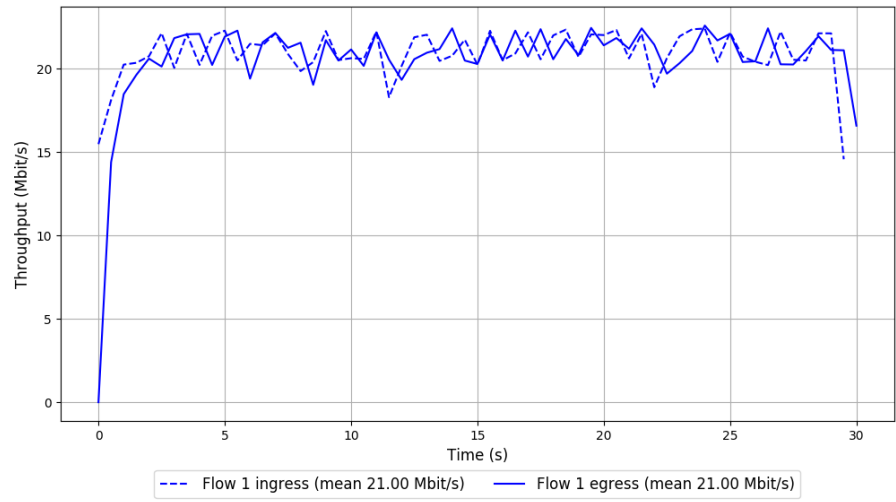


Run 5: Statistics of Sprout

Start at: 2018-08-09 18:49:13
End at: 2018-08-09 18:49:43
Local clock offset: -0.869 ms
Remote clock offset: -11.649 ms

Below is generated by plot.py at 2018-08-09 20:58:03
Datalink statistics
-- Total of 1 flow:
Average throughput: 21.00 Mbit/s
95th percentile per-packet one-way delay: 23.171 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 21.00 Mbit/s
95th percentile per-packet one-way delay: 23.171 ms
Loss rate: 0.00%

Run 5: Report of Sprout — Data Link

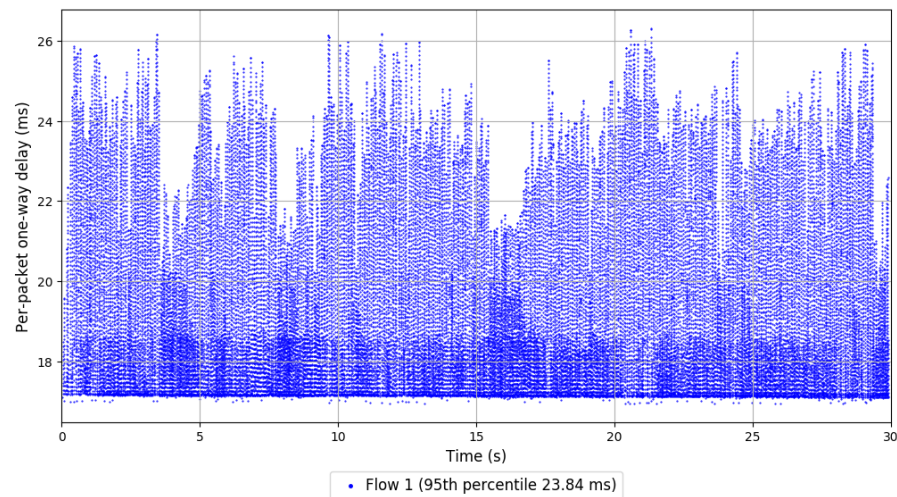
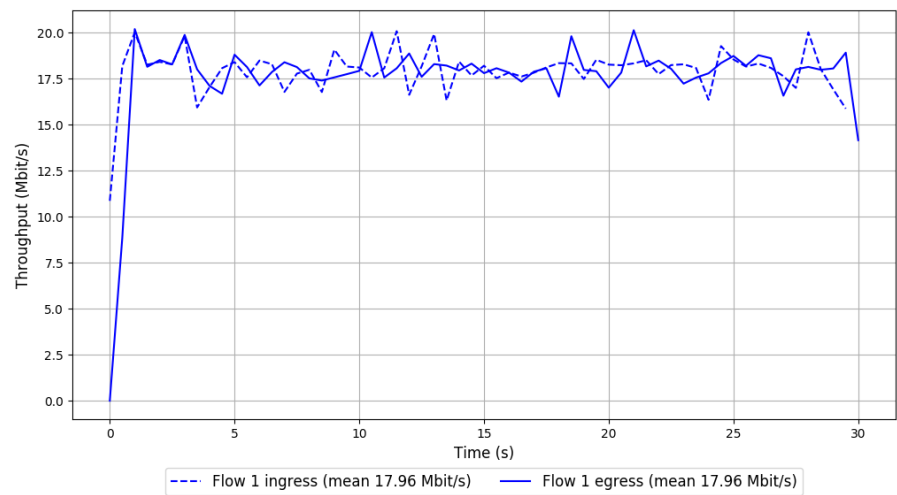


Run 6: Statistics of Sprout

Start at: 2018-08-09 19:09:14
End at: 2018-08-09 19:09:44
Local clock offset: 0.814 ms
Remote clock offset: -13.042 ms

Below is generated by plot.py at 2018-08-09 20:58:03
Datalink statistics
-- Total of 1 flow:
Average throughput: 17.96 Mbit/s
95th percentile per-packet one-way delay: 23.839 ms
Loss rate: 0.16%
-- Flow 1:
Average throughput: 17.96 Mbit/s
95th percentile per-packet one-way delay: 23.839 ms
Loss rate: 0.16%

Run 6: Report of Sprout — Data Link

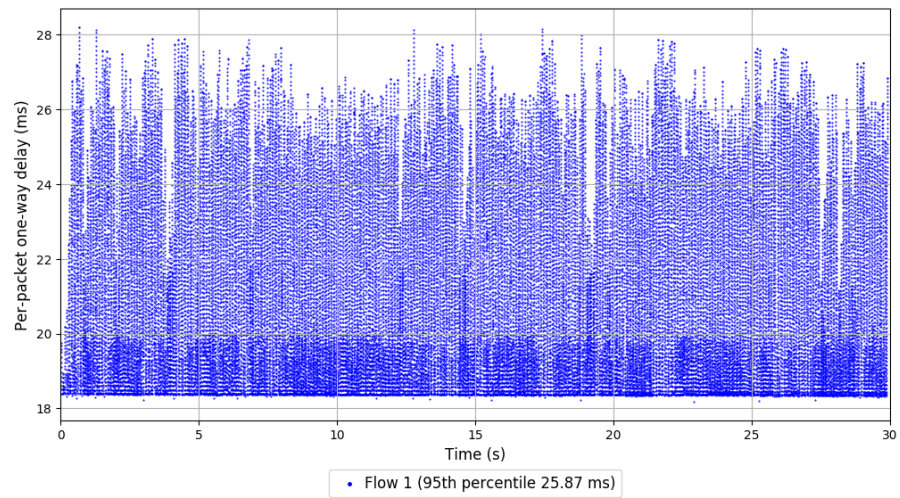
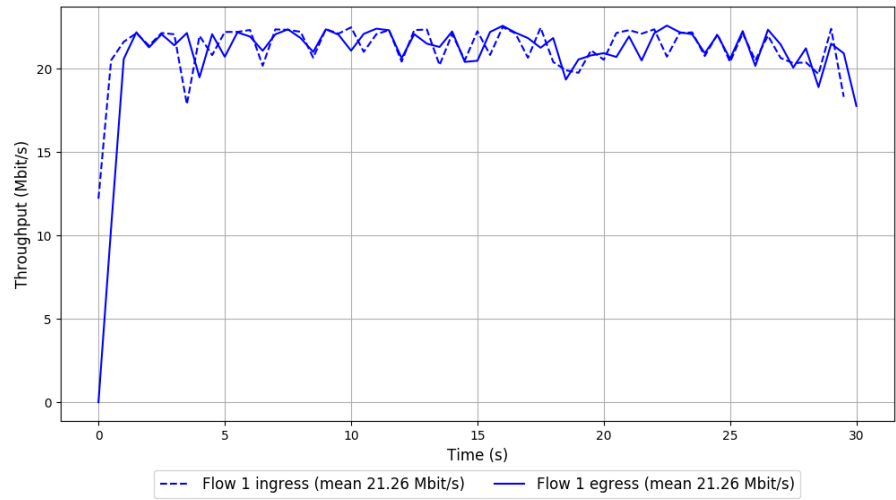


Run 7: Statistics of Sprout

Start at: 2018-08-09 19:29:27
End at: 2018-08-09 19:29:57
Local clock offset: 0.86 ms
Remote clock offset: -15.558 ms

Below is generated by plot.py at 2018-08-09 20:58:03
Datalink statistics
-- Total of 1 flow:
Average throughput: 21.26 Mbit/s
95th percentile per-packet one-way delay: 25.872 ms
Loss rate: 0.16%
-- Flow 1:
Average throughput: 21.26 Mbit/s
95th percentile per-packet one-way delay: 25.872 ms
Loss rate: 0.16%

Run 7: Report of Sprout — Data Link

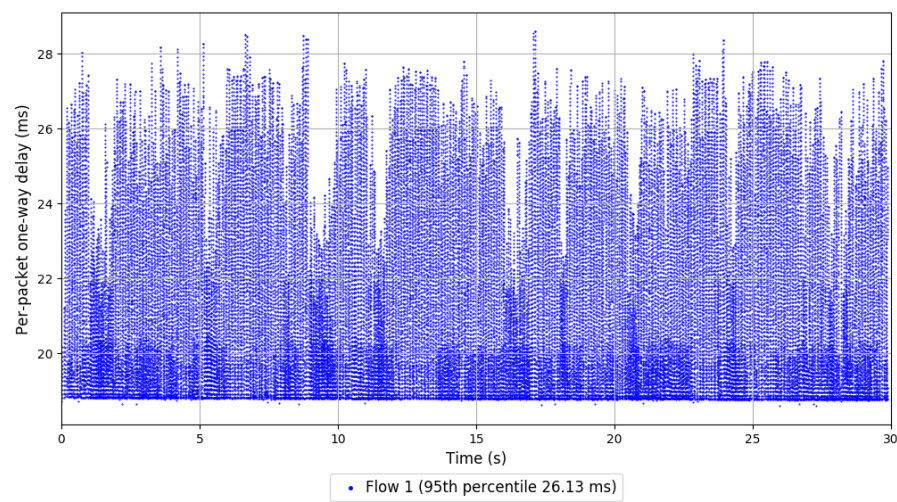
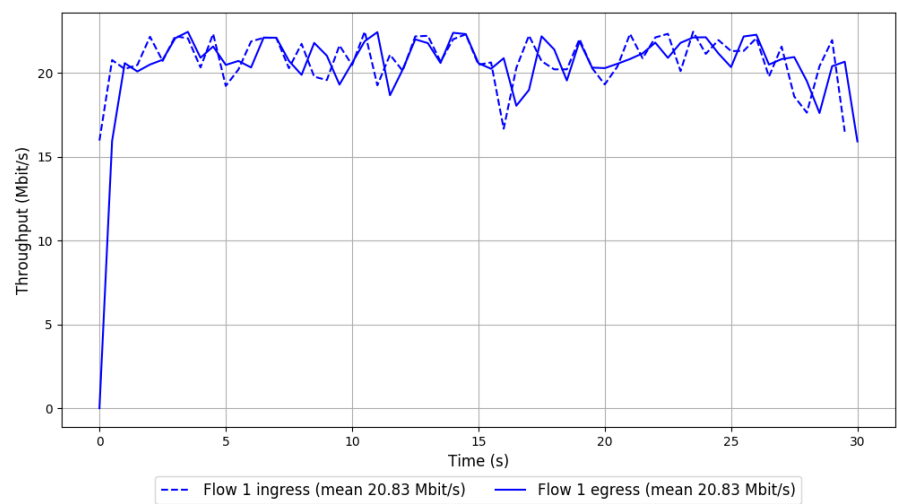


Run 8: Statistics of Sprout

Start at: 2018-08-09 19:49:29
End at: 2018-08-09 19:49:59
Local clock offset: 2.465 ms
Remote clock offset: -12.817 ms

Below is generated by plot.py at 2018-08-09 20:58:03
Datalink statistics
-- Total of 1 flow:
Average throughput: 20.83 Mbit/s
95th percentile per-packet one-way delay: 26.129 ms
Loss rate: 0.18%
-- Flow 1:
Average throughput: 20.83 Mbit/s
95th percentile per-packet one-way delay: 26.129 ms
Loss rate: 0.18%

Run 8: Report of Sprout — Data Link

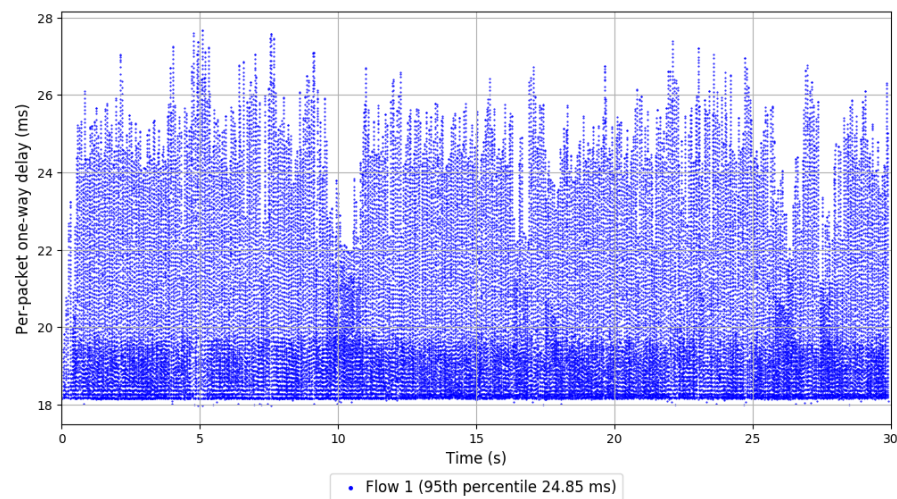
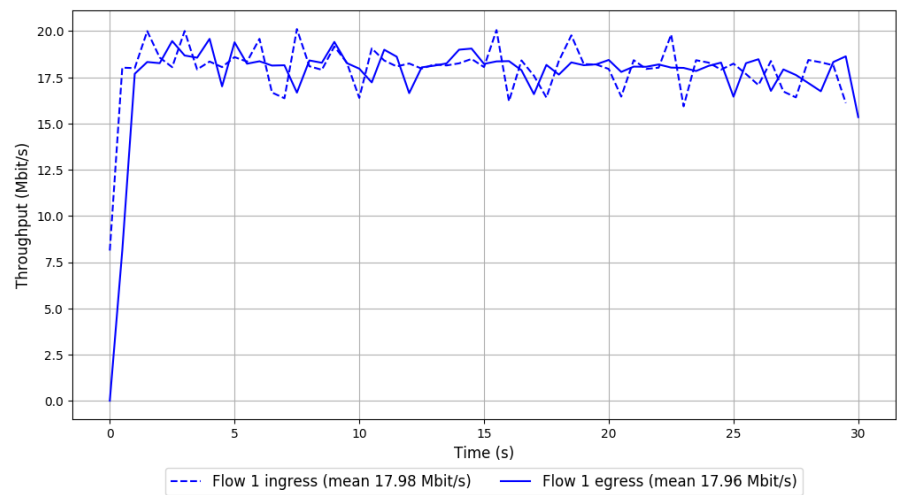


Run 9: Statistics of Sprout

Start at: 2018-08-09 20:09:10
End at: 2018-08-09 20:09:40
Local clock offset: 2.252 ms
Remote clock offset: -13.362 ms

Below is generated by plot.py at 2018-08-09 20:58:03
Datalink statistics
-- Total of 1 flow:
Average throughput: 17.96 Mbit/s
95th percentile per-packet one-way delay: 24.848 ms
Loss rate: 0.19%
-- Flow 1:
Average throughput: 17.96 Mbit/s
95th percentile per-packet one-way delay: 24.848 ms
Loss rate: 0.19%

Run 9: Report of Sprout — Data Link

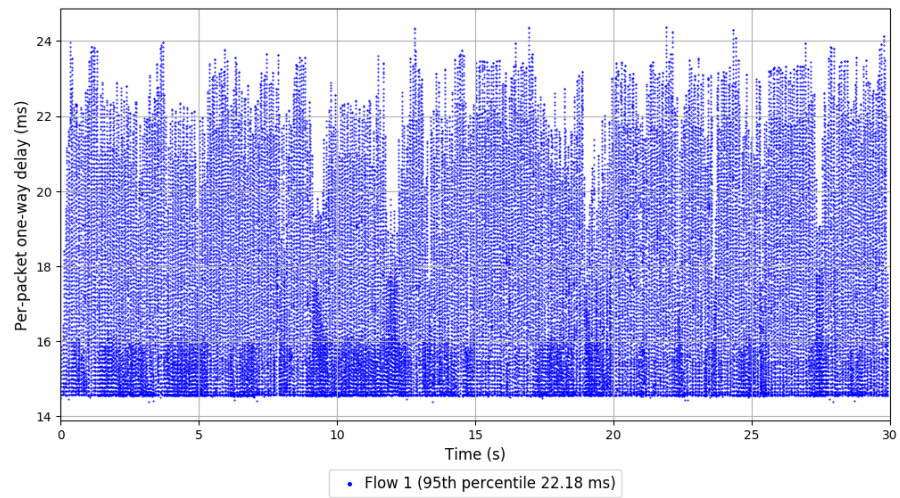
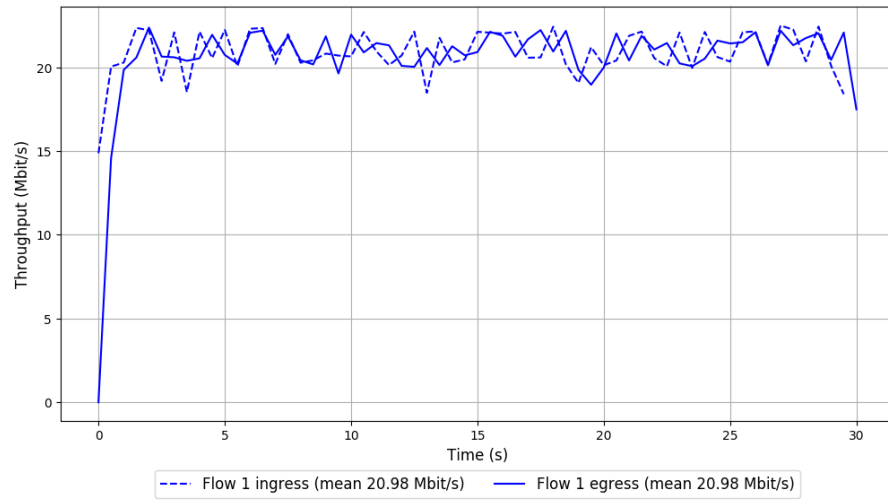


Run 10: Statistics of Sprout

Start at: 2018-08-09 20:28:55
End at: 2018-08-09 20:29:25
Local clock offset: -0.723 ms
Remote clock offset: -12.479 ms

Below is generated by plot.py at 2018-08-09 20:58:03
Datalink statistics
-- Total of 1 flow:
Average throughput: 20.98 Mbit/s
95th percentile per-packet one-way delay: 22.178 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 20.98 Mbit/s
95th percentile per-packet one-way delay: 22.178 ms
Loss rate: 0.07%

Run 10: Report of Sprout — Data Link

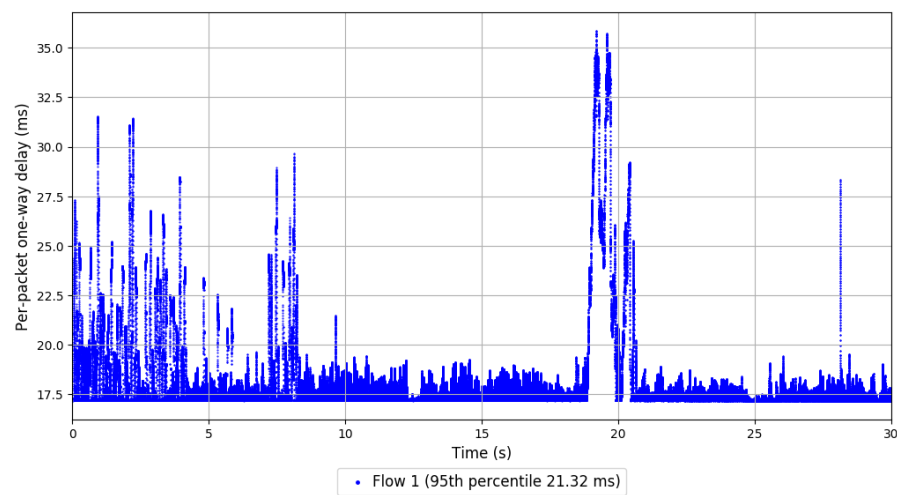
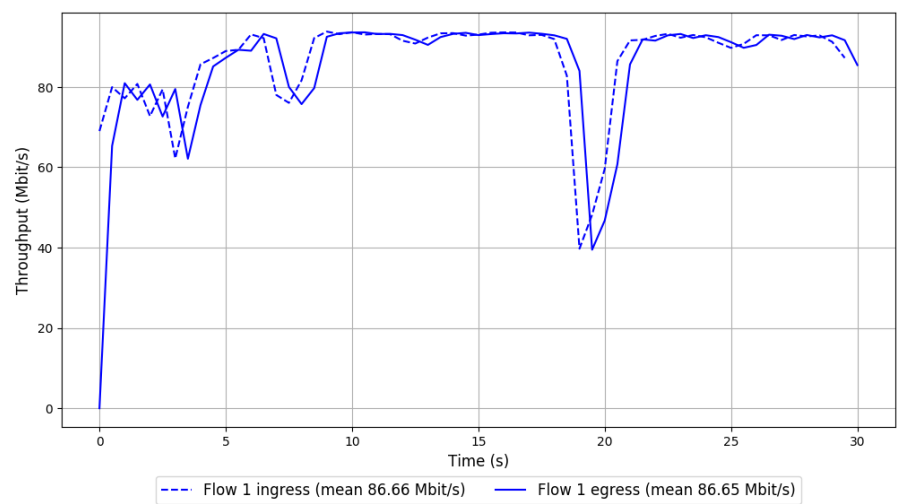


```
Run 1: Statistics of TaoVA-100x

Start at: 2018-08-09 17:31:49
End at: 2018-08-09 17:32:19
Local clock offset: -0.593 ms
Remote clock offset: -7.232 ms

# Below is generated by plot.py at 2018-08-09 20:59:26
# Datalink statistics
-- Total of 1 flow:
Average throughput: 86.65 Mbit/s
95th percentile per-packet one-way delay: 21.315 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 86.65 Mbit/s
95th percentile per-packet one-way delay: 21.315 ms
Loss rate: 0.09%
```


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



Run 2: Statistics of TaoVA-100x

Start at: 2018-08-09 17:51:30

End at: 2018-08-09 17:52:00

Local clock offset: 0.642 ms

Remote clock offset: -7.219 ms

Below is generated by plot.py at 2018-08-09 20:59:38

Datalink statistics

-- Total of 1 flow:

Average throughput: 93.31 Mbit/s

95th percentile per-packet one-way delay: 20.227 ms

Loss rate: 0.08%

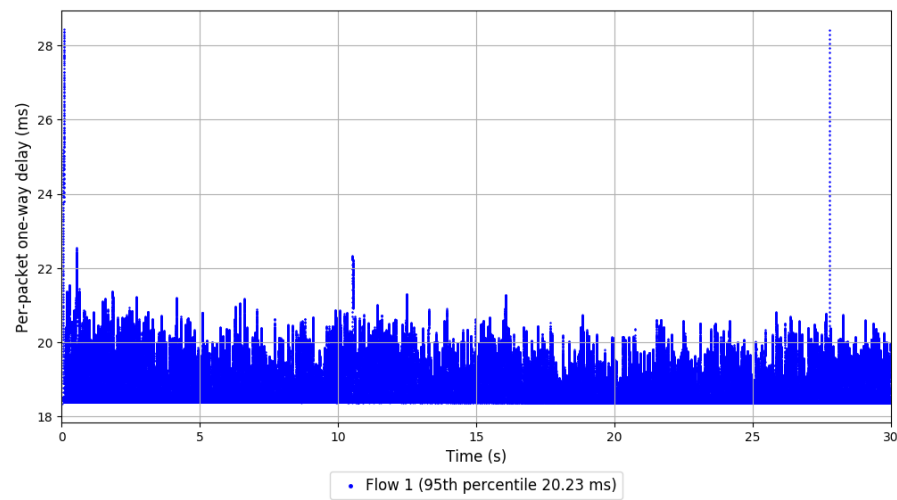
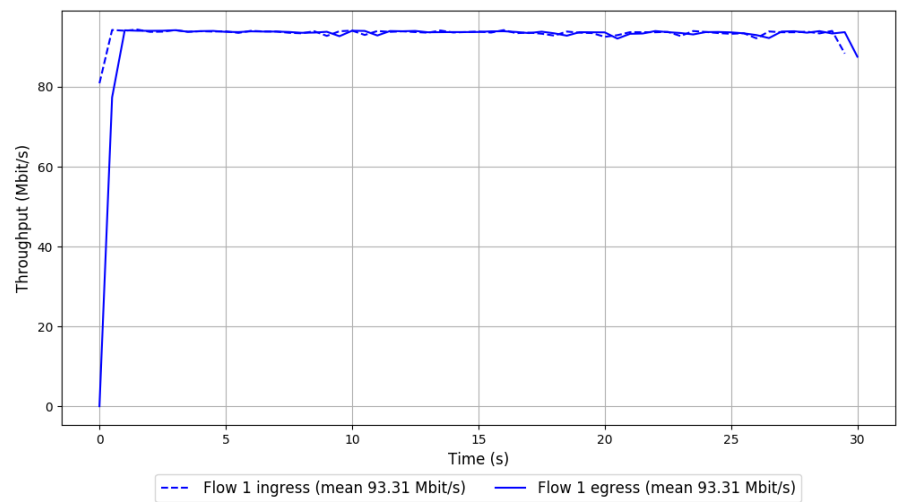
-- Flow 1:

Average throughput: 93.31 Mbit/s

95th percentile per-packet one-way delay: 20.227 ms

Loss rate: 0.08%

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

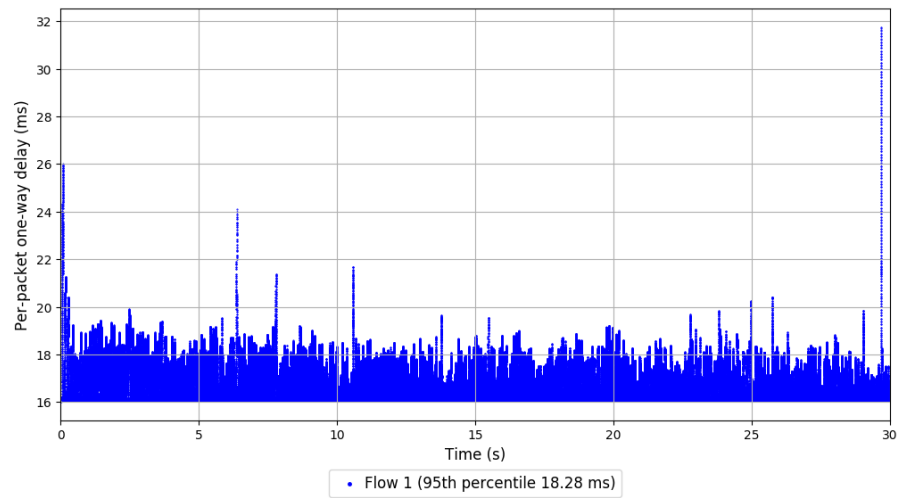
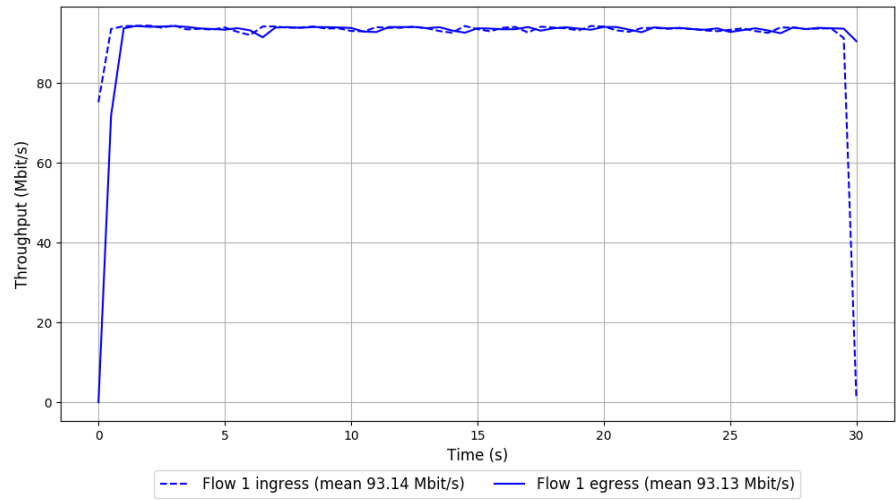


Run 3: Statistics of TaoVA-100x

Start at: 2018-08-09 18:11:42
End at: 2018-08-09 18:12:12
Local clock offset: -1.594 ms
Remote clock offset: -7.558 ms

Below is generated by plot.py at 2018-08-09 20:59:39
Datalink statistics
-- Total of 1 flow:
Average throughput: 93.13 Mbit/s
95th percentile per-packet one-way delay: 18.284 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 93.13 Mbit/s
95th percentile per-packet one-way delay: 18.284 ms
Loss rate: 0.10%

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

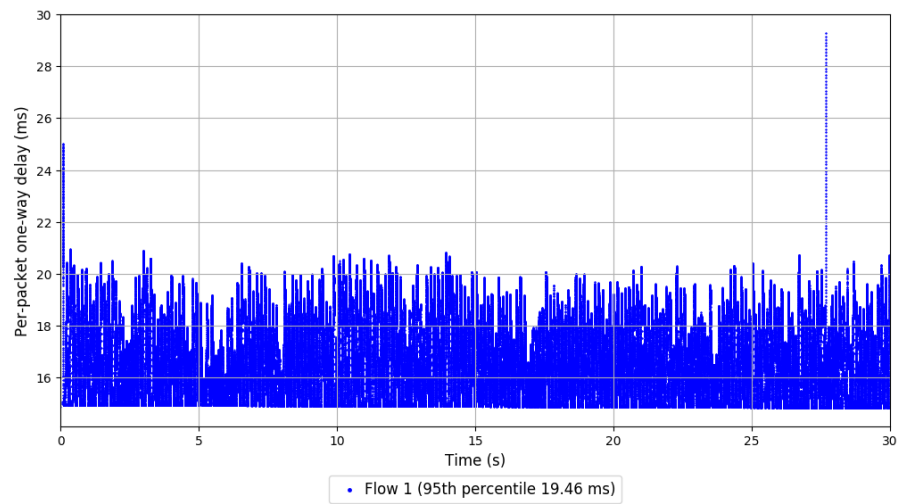
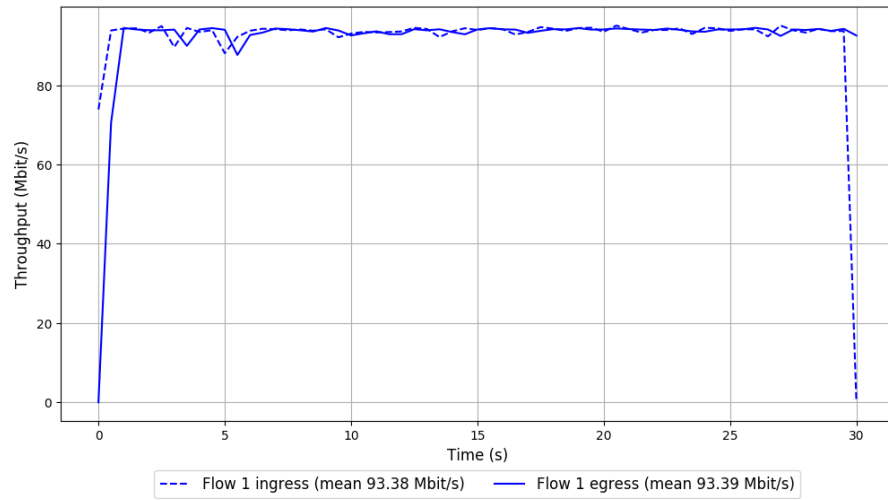


Run 4: Statistics of TaoVA-100x

Start at: 2018-08-09 18:31:27
End at: 2018-08-09 18:31:57
Local clock offset: -1.486 ms
Remote clock offset: -9.405 ms

Below is generated by plot.py at 2018-08-09 20:59:40
Datalink statistics
-- Total of 1 flow:
Average throughput: 93.39 Mbit/s
95th percentile per-packet one-way delay: 19.460 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 93.39 Mbit/s
95th percentile per-packet one-way delay: 19.460 ms
Loss rate: 0.07%

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

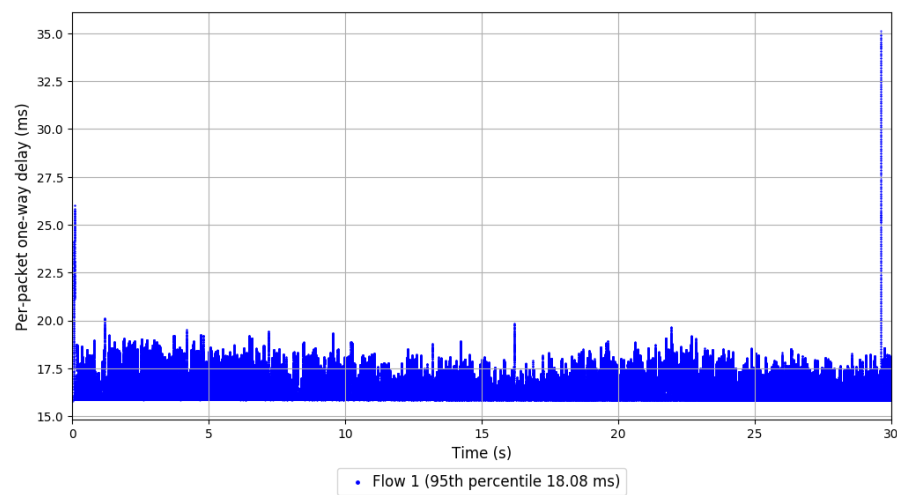
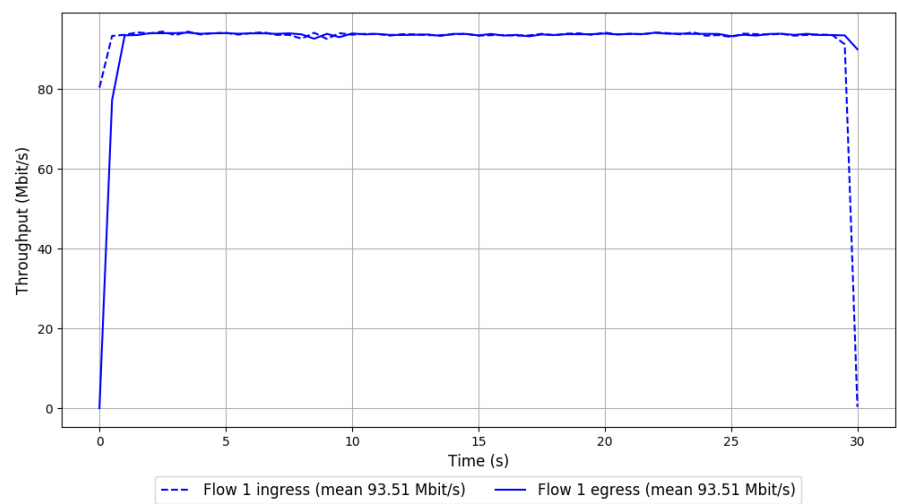


Run 5: Statistics of TaoVA-100x

Start at: 2018-08-09 18:51:29
End at: 2018-08-09 18:51:59
Local clock offset: -1.317 ms
Remote clock offset: -12.291 ms

Below is generated by plot.py at 2018-08-09 20:59:42
Datalink statistics
-- Total of 1 flow:
Average throughput: 93.51 Mbit/s
95th percentile per-packet one-way delay: 18.082 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 93.51 Mbit/s
95th percentile per-packet one-way delay: 18.082 ms
Loss rate: 0.08%

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

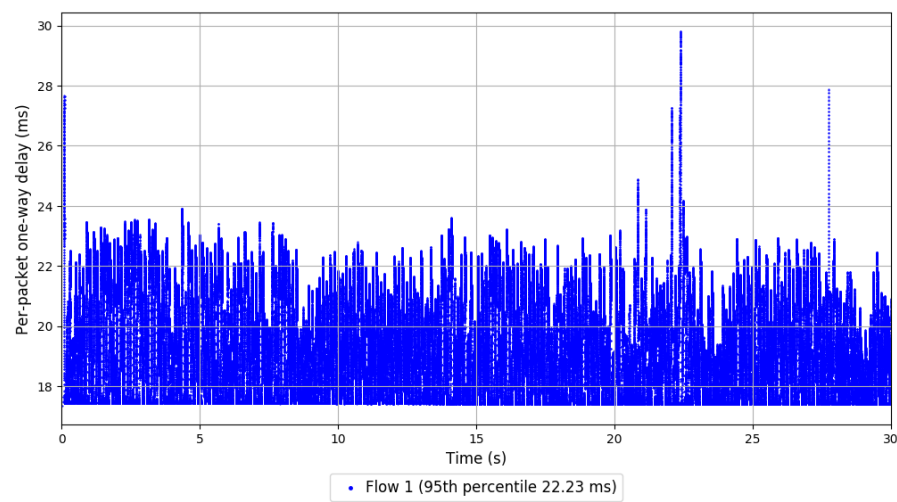
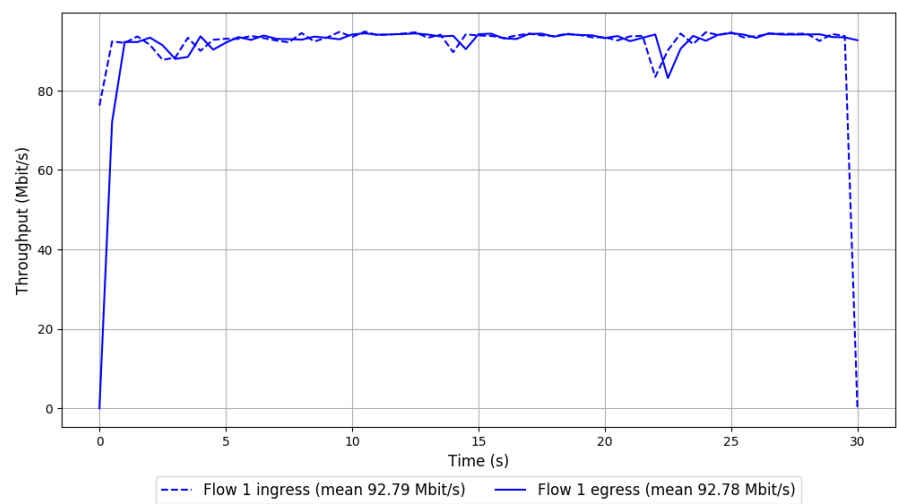


Run 6: Statistics of TaoVA-100x

Start at: 2018-08-09 19:11:34
End at: 2018-08-09 19:12:04
Local clock offset: 0.605 ms
Remote clock offset: -13.767 ms

Below is generated by plot.py at 2018-08-09 20:59:43
Datalink statistics
-- Total of 1 flow:
Average throughput: 92.78 Mbit/s
95th percentile per-packet one-way delay: 22.229 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 92.78 Mbit/s
95th percentile per-packet one-way delay: 22.229 ms
Loss rate: 0.09%

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

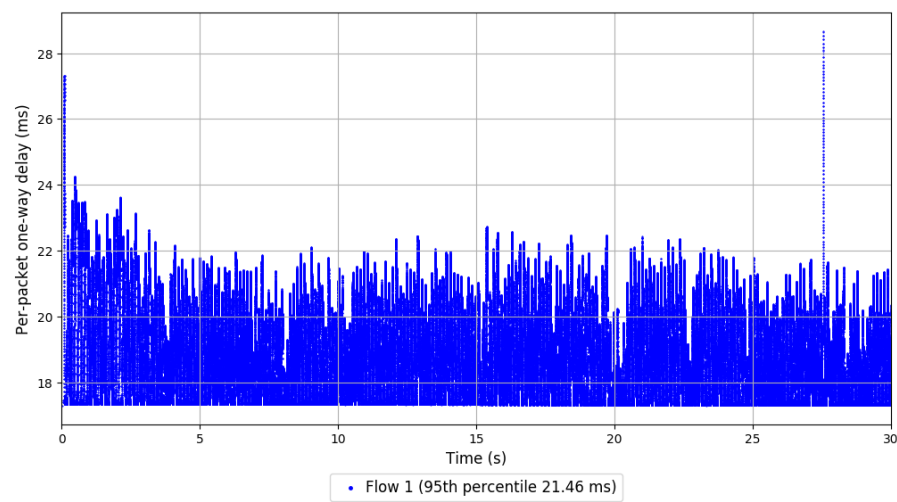
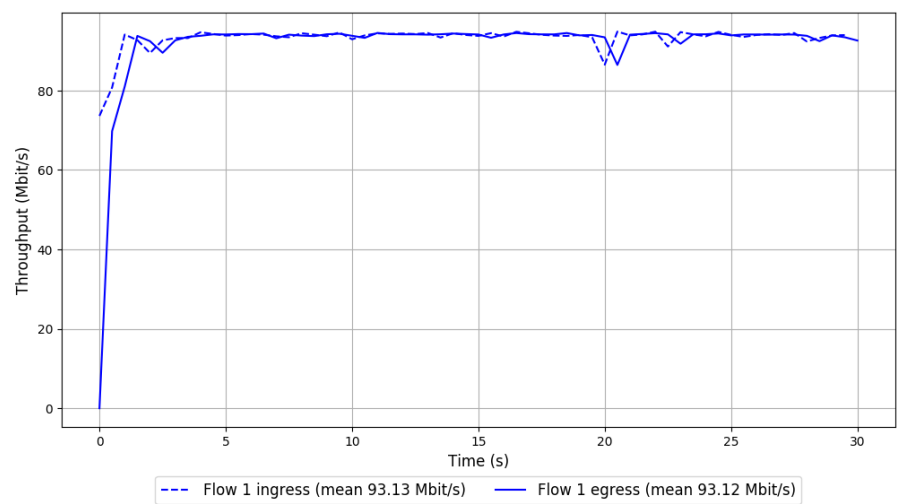


Run 7: Statistics of TaoVA-100x

Start at: 2018-08-09 19:31:49
End at: 2018-08-09 19:32:19
Local clock offset: -0.185 ms
Remote clock offset: -15.777 ms

Below is generated by plot.py at 2018-08-09 20:59:47
Datalink statistics
-- Total of 1 flow:
Average throughput: 93.12 Mbit/s
95th percentile per-packet one-way delay: 21.463 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 93.12 Mbit/s
95th percentile per-packet one-way delay: 21.463 ms
Loss rate: 0.09%

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

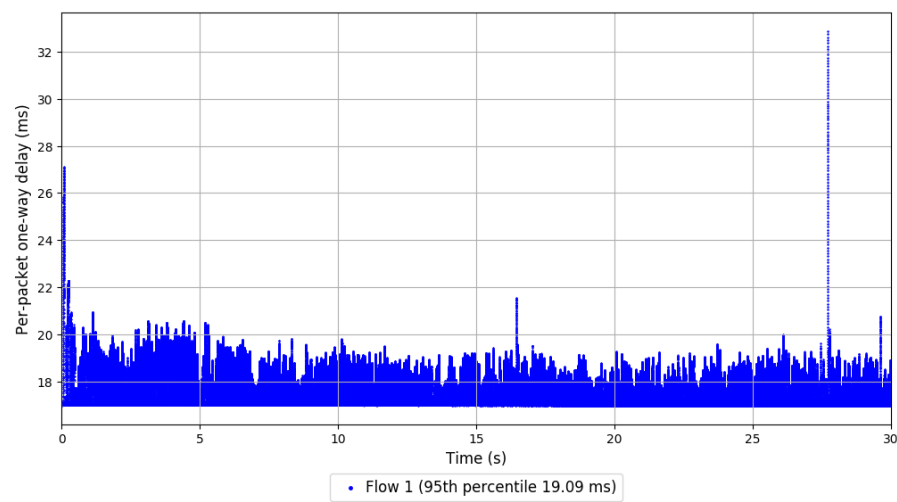
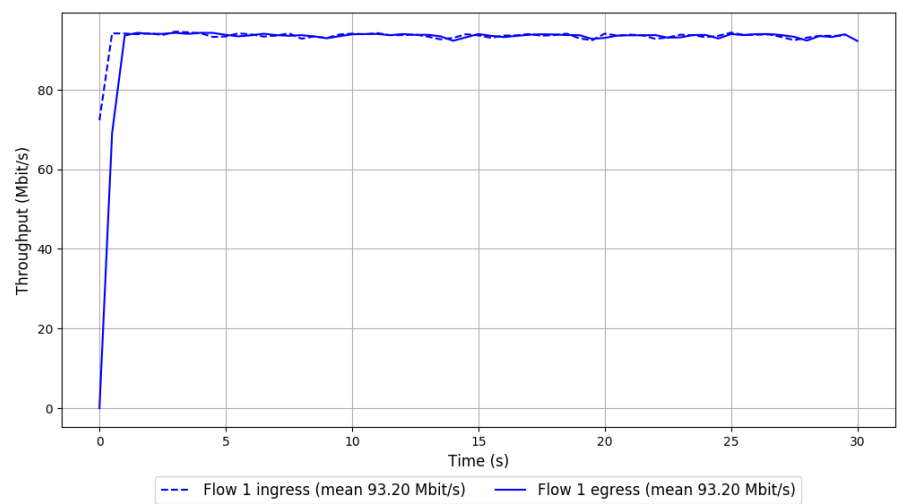


Run 8: Statistics of TaoVA-100x

Start at: 2018-08-09 19:51:42
End at: 2018-08-09 19:52:12
Local clock offset: 0.901 ms
Remote clock offset: -12.793 ms

Below is generated by plot.py at 2018-08-09 21:00:01
Datalink statistics
-- Total of 1 flow:
Average throughput: 93.20 Mbit/s
95th percentile per-packet one-way delay: 19.092 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 93.20 Mbit/s
95th percentile per-packet one-way delay: 19.092 ms
Loss rate: 0.08%

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

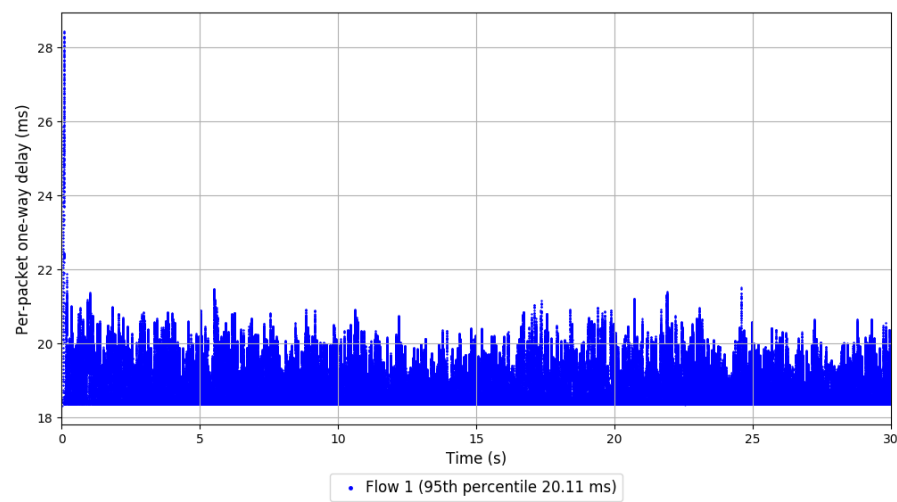
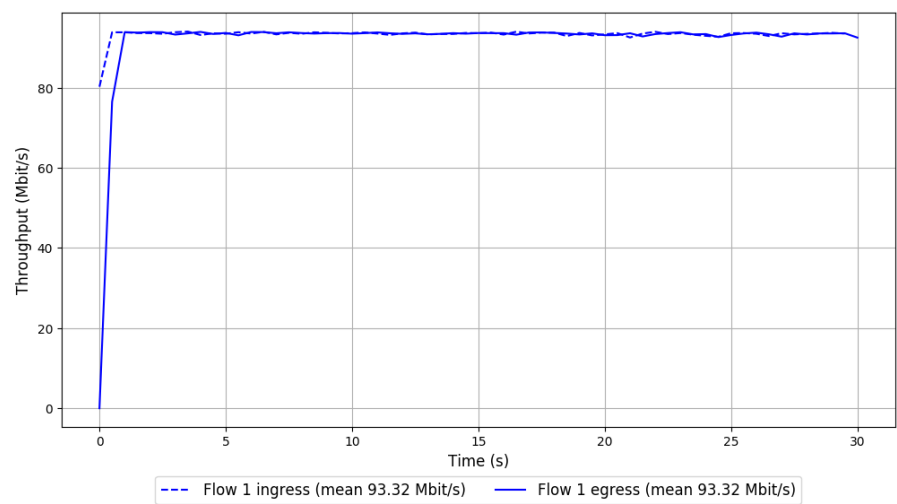


Run 9: Statistics of TaoVA-100x

Start at: 2018-08-09 20:11:26
End at: 2018-08-09 20:11:56
Local clock offset: 3.449 ms
Remote clock offset: -12.329 ms

Below is generated by plot.py at 2018-08-09 21:01:21
Datalink statistics
-- Total of 1 flow:
Average throughput: 93.32 Mbit/s
95th percentile per-packet one-way delay: 20.107 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 93.32 Mbit/s
95th percentile per-packet one-way delay: 20.107 ms
Loss rate: 0.08%

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



Run 10: Statistics of TaoVA-100x

Start at: 2018-08-09 20:31:11

End at: 2018-08-09 20:31:41

Local clock offset: -0.982 ms

Remote clock offset: -13.025 ms

Below is generated by plot.py at 2018-08-09 21:01:38

Datalink statistics

-- Total of 1 flow:

Average throughput: 93.42 Mbit/s

95th percentile per-packet one-way delay: 19.122 ms

Loss rate: 0.08%

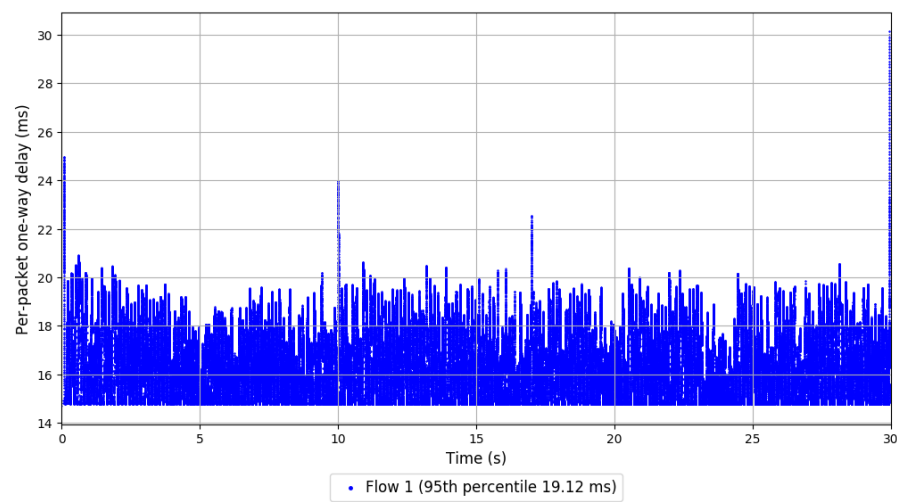
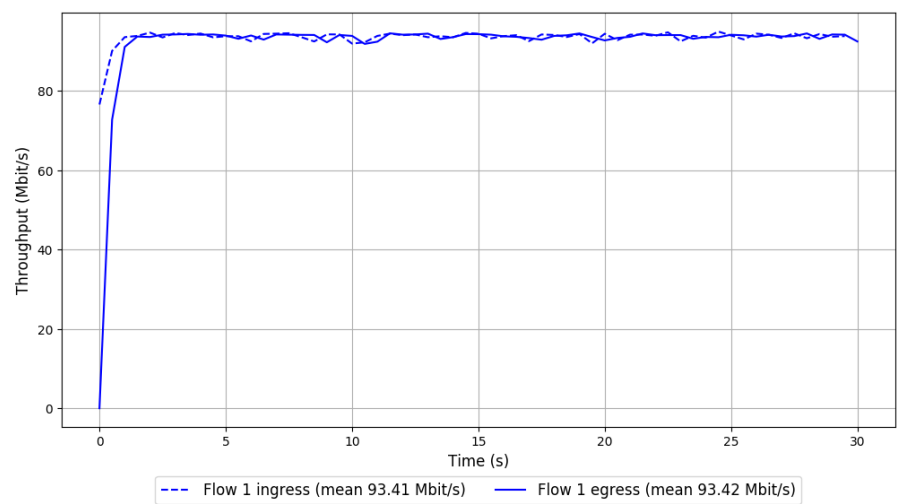
-- Flow 1:

Average throughput: 93.42 Mbit/s

95th percentile per-packet one-way delay: 19.122 ms

Loss rate: 0.08%

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

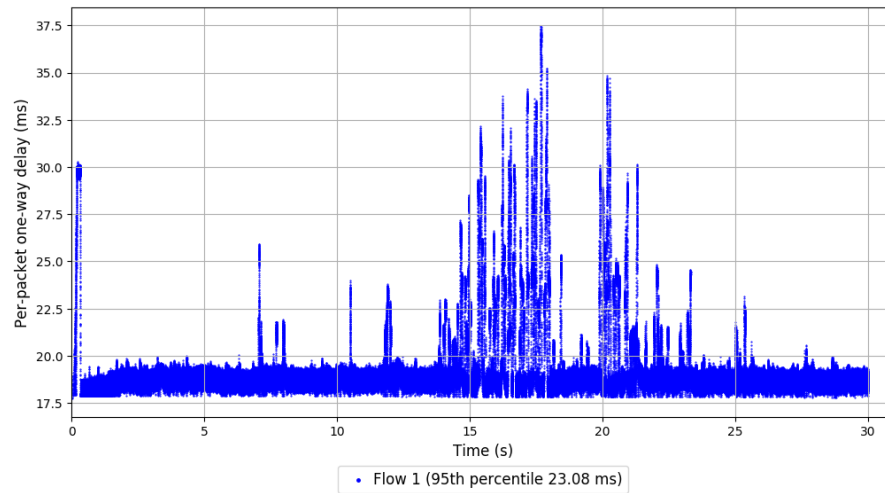
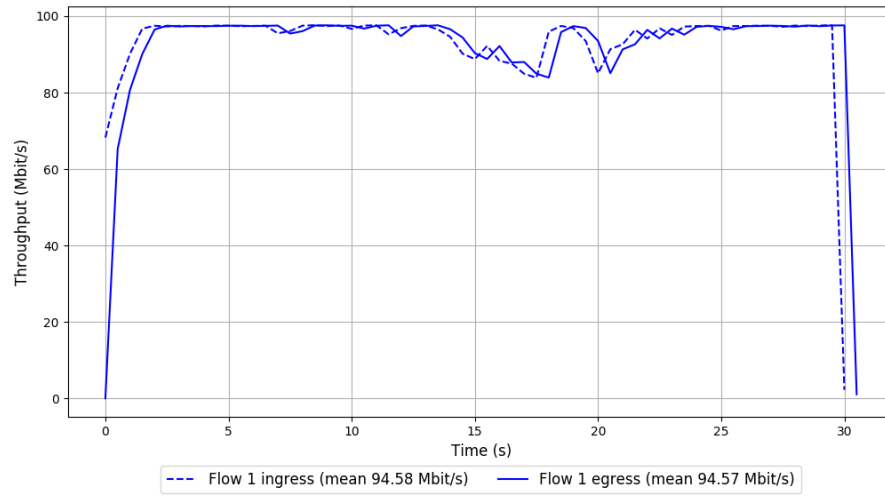


Run 1: Statistics of TCP Vegas

Start at: 2018-08-09 17:22:49
End at: 2018-08-09 17:23:19
Local clock offset: 0.443 ms
Remote clock offset: -5.864 ms

Below is generated by plot.py at 2018-08-09 21:01:38
Datalink statistics
-- Total of 1 flow:
Average throughput: 94.57 Mbit/s
95th percentile per-packet one-way delay: 23.084 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 94.57 Mbit/s
95th percentile per-packet one-way delay: 23.084 ms
Loss rate: 0.09%

Run 1: Report of TCP Vegas — Data Link

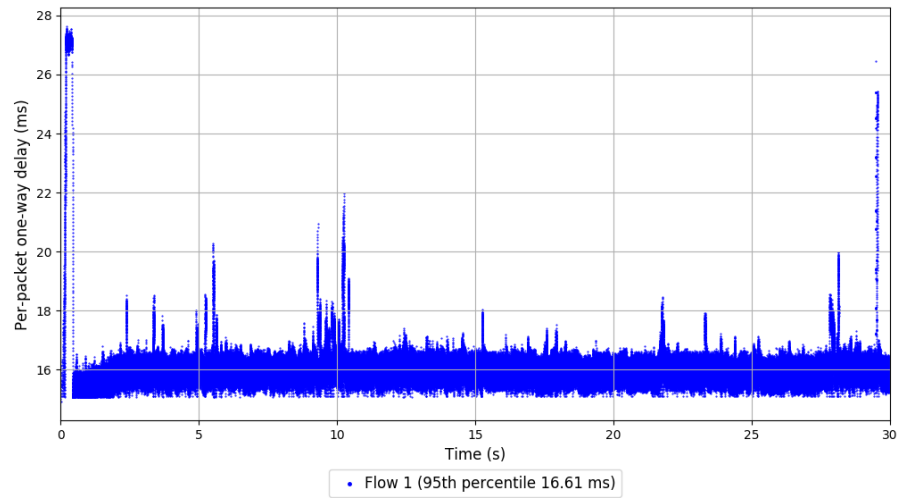
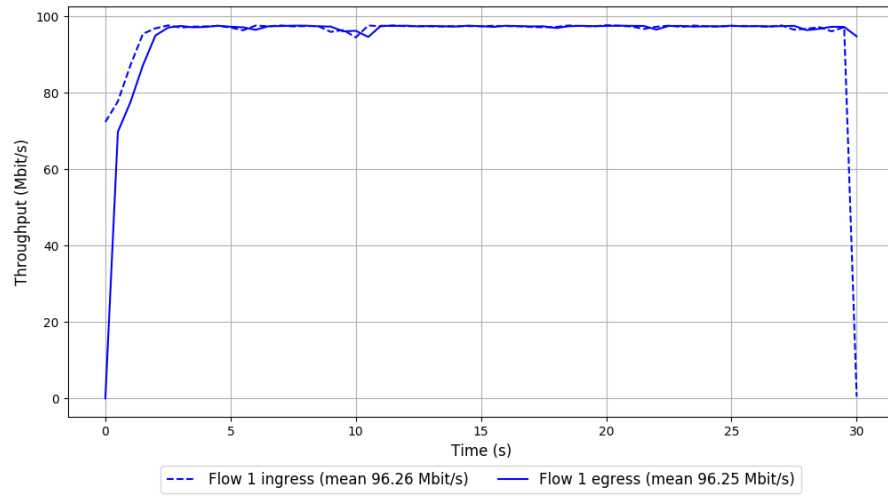


Run 2: Statistics of TCP Vegas

Start at: 2018-08-09 17:42:23
End at: 2018-08-09 17:42:53
Local clock offset: -2.535 ms
Remote clock offset: -7.165 ms

Below is generated by plot.py at 2018-08-09 21:01:38
Datalink statistics
-- Total of 1 flow:
Average throughput: 96.25 Mbit/s
95th percentile per-packet one-way delay: 16.611 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 96.25 Mbit/s
95th percentile per-packet one-way delay: 16.611 ms
Loss rate: 0.08%

Run 2: Report of TCP Vegas — Data Link

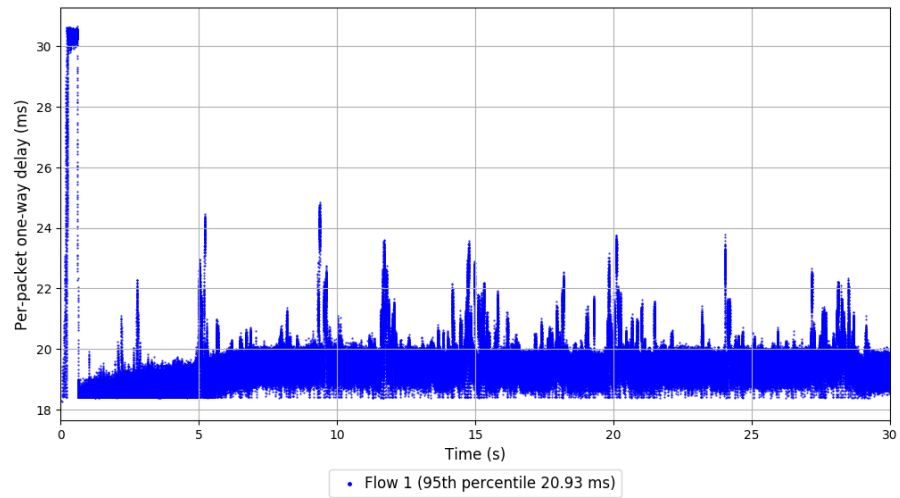
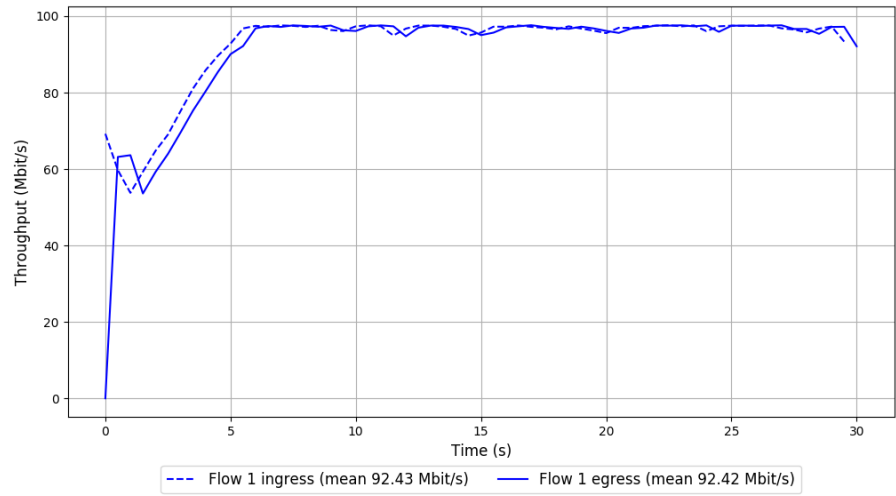


Run 3: Statistics of TCP Vegas

Start at: 2018-08-09 18:02:08
End at: 2018-08-09 18:02:38
Local clock offset: 0.628 ms
Remote clock offset: -7.549 ms

Below is generated by plot.py at 2018-08-09 21:01:38
Datalink statistics
-- Total of 1 flow:
Average throughput: 92.42 Mbit/s
95th percentile per-packet one-way delay: 20.934 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 92.42 Mbit/s
95th percentile per-packet one-way delay: 20.934 ms
Loss rate: 0.09%

Run 3: Report of TCP Vegas — Data Link

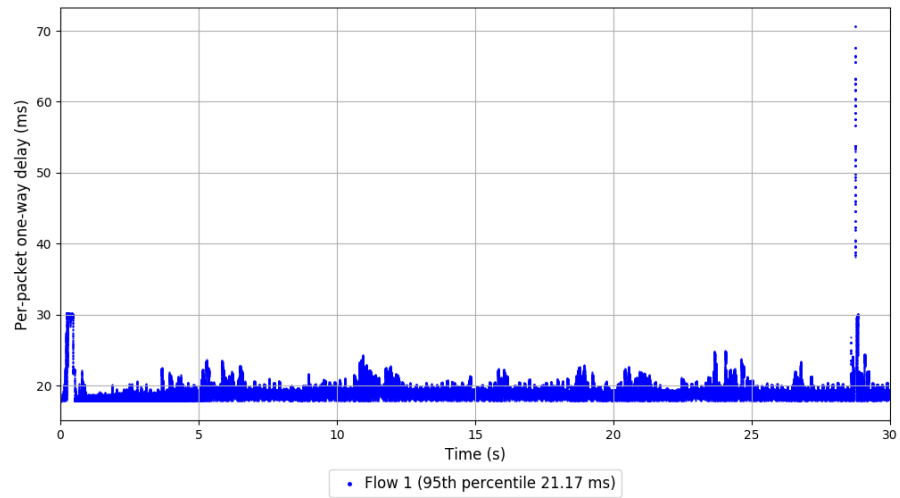
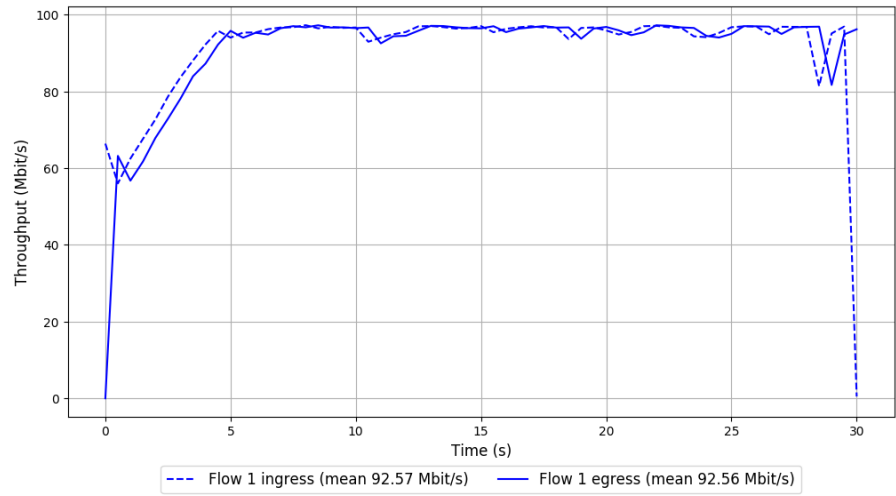


Run 4: Statistics of TCP Vegas

Start at: 2018-08-09 18:22:18
End at: 2018-08-09 18:22:48
Local clock offset: 1.217 ms
Remote clock offset: -7.105 ms

Below is generated by plot.py at 2018-08-09 21:01:38
Datalink statistics
-- Total of 1 flow:
Average throughput: 92.56 Mbit/s
95th percentile per-packet one-way delay: 21.168 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 92.56 Mbit/s
95th percentile per-packet one-way delay: 21.168 ms
Loss rate: 0.09%

Run 4: Report of TCP Vegas — Data Link

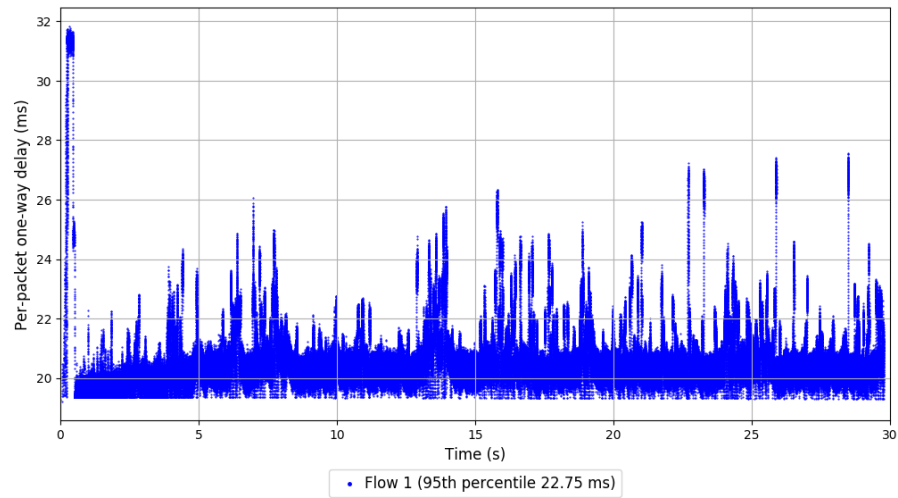
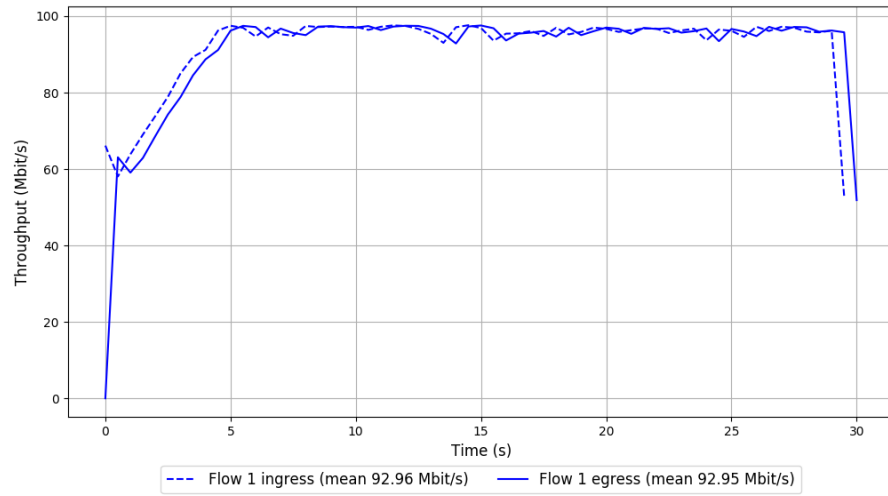


Run 5: Statistics of TCP Vegas

Start at: 2018-08-09 18:42:15
End at: 2018-08-09 18:42:45
Local clock offset: 3.12 ms
Remote clock offset: -10.98 ms

Below is generated by plot.py at 2018-08-09 21:01:38
Datalink statistics
-- Total of 1 flow:
Average throughput: 92.95 Mbit/s
95th percentile per-packet one-way delay: 22.746 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 92.95 Mbit/s
95th percentile per-packet one-way delay: 22.746 ms
Loss rate: 0.09%

Run 5: Report of TCP Vegas — Data Link

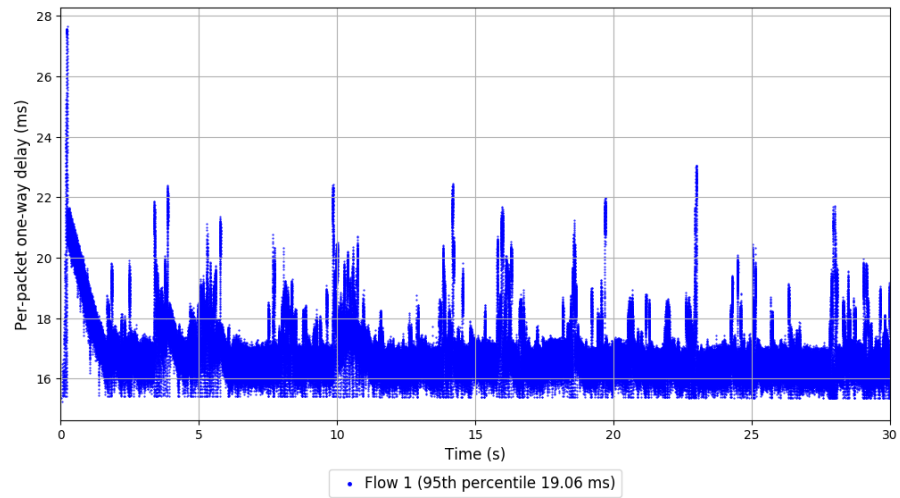
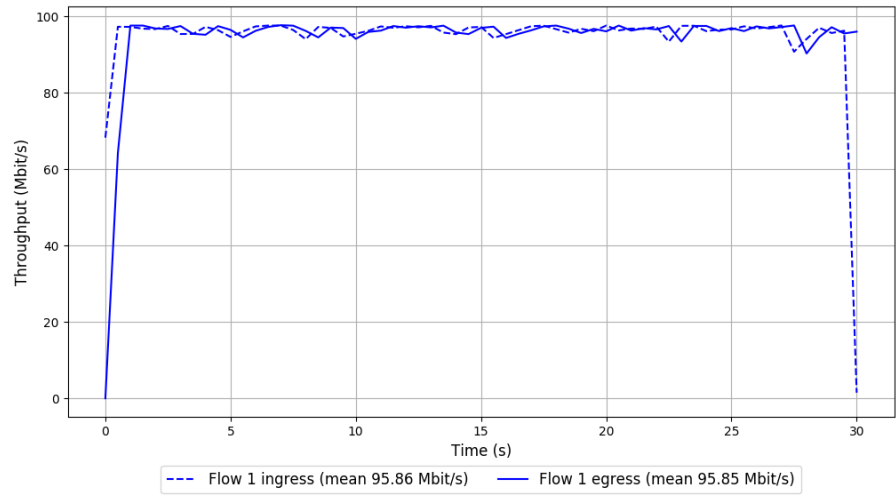


Run 6: Statistics of TCP Vegas

Start at: 2018-08-09 19:02:18
End at: 2018-08-09 19:02:48
Local clock offset: -1.497 ms
Remote clock offset: -12.866 ms

Below is generated by plot.py at 2018-08-09 21:01:38
Datalink statistics
-- Total of 1 flow:
Average throughput: 95.85 Mbit/s
95th percentile per-packet one-way delay: 19.057 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 95.85 Mbit/s
95th percentile per-packet one-way delay: 19.057 ms
Loss rate: 0.09%

Run 6: Report of TCP Vegas — Data Link

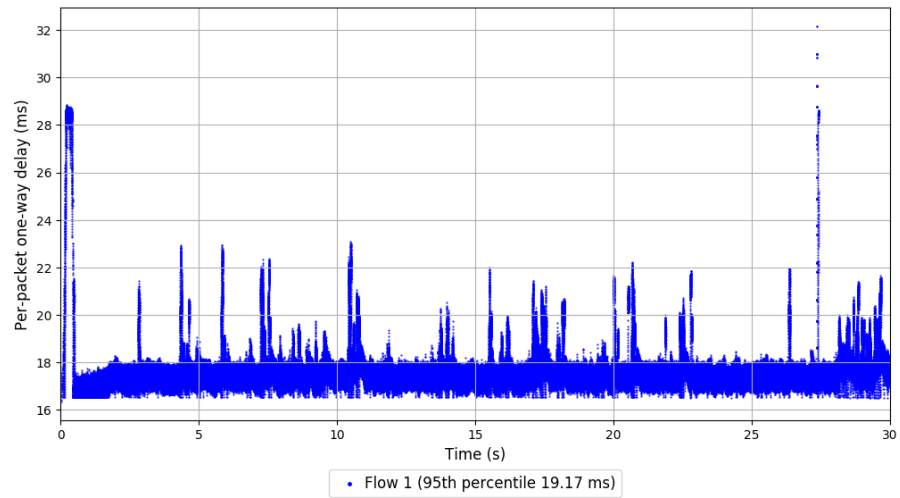
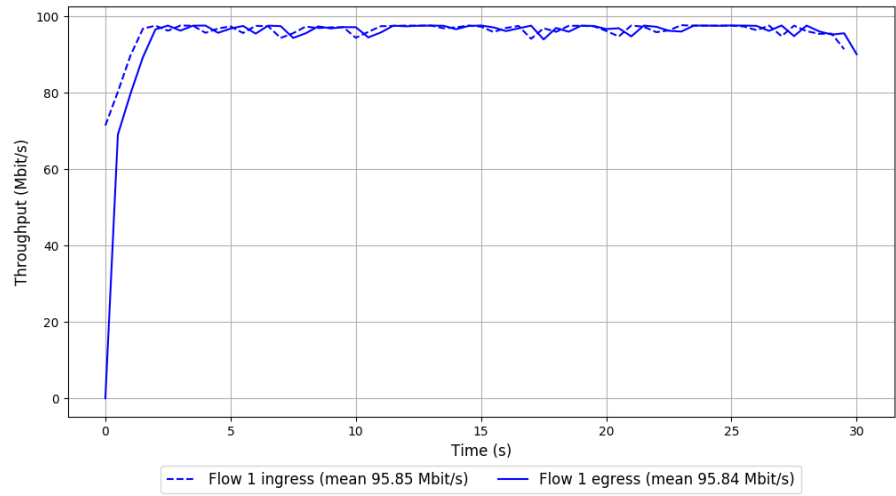


Run 7: Statistics of TCP Vegas

Start at: 2018-08-09 19:22:35
End at: 2018-08-09 19:23:05
Local clock offset: -1.146 ms
Remote clock offset: -15.274 ms

Below is generated by plot.py at 2018-08-09 21:01:46
Datalink statistics
-- Total of 1 flow:
Average throughput: 95.84 Mbit/s
95th percentile per-packet one-way delay: 19.174 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 95.84 Mbit/s
95th percentile per-packet one-way delay: 19.174 ms
Loss rate: 0.09%

Run 7: Report of TCP Vegas — Data Link

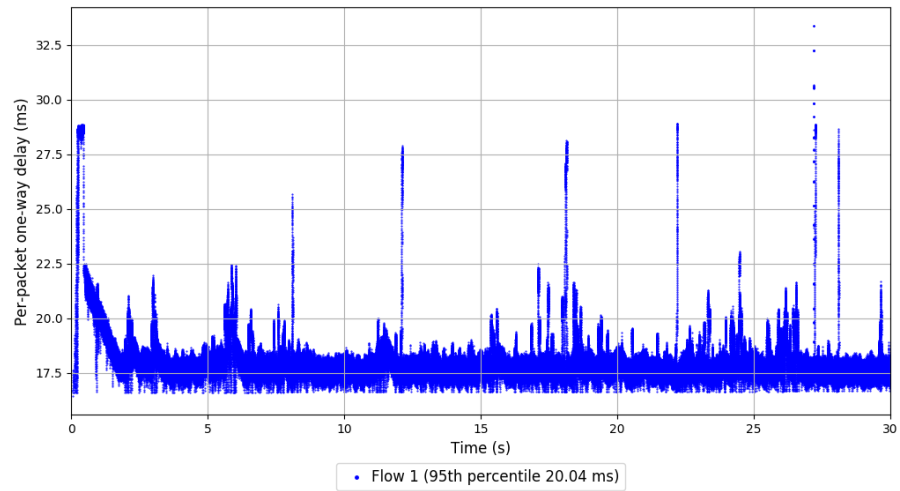
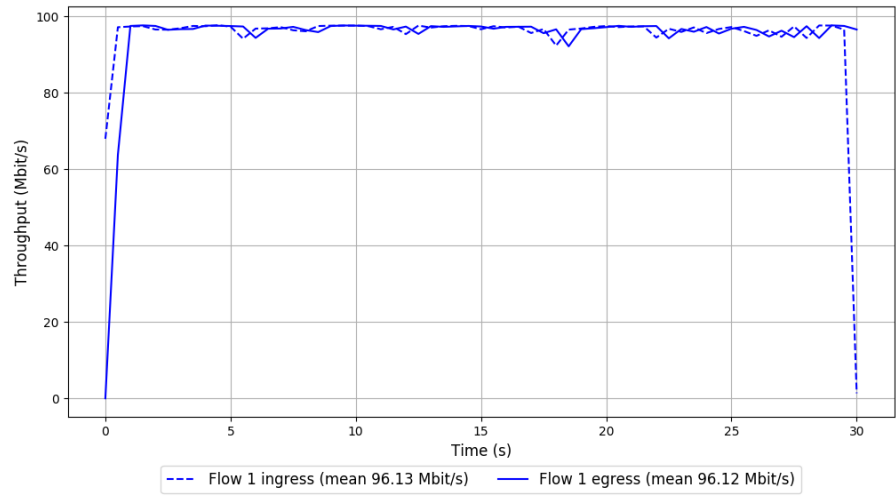


Run 8: Statistics of TCP Vegas

Start at: 2018-08-09 19:42:20
End at: 2018-08-09 19:42:50
Local clock offset: 0.128 ms
Remote clock offset: -12.63 ms

Below is generated by plot.py at 2018-08-09 21:01:46
Datalink statistics
-- Total of 1 flow:
Average throughput: 96.12 Mbit/s
95th percentile per-packet one-way delay: 20.041 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 96.12 Mbit/s
95th percentile per-packet one-way delay: 20.041 ms
Loss rate: 0.08%

Run 8: Report of TCP Vegas — Data Link

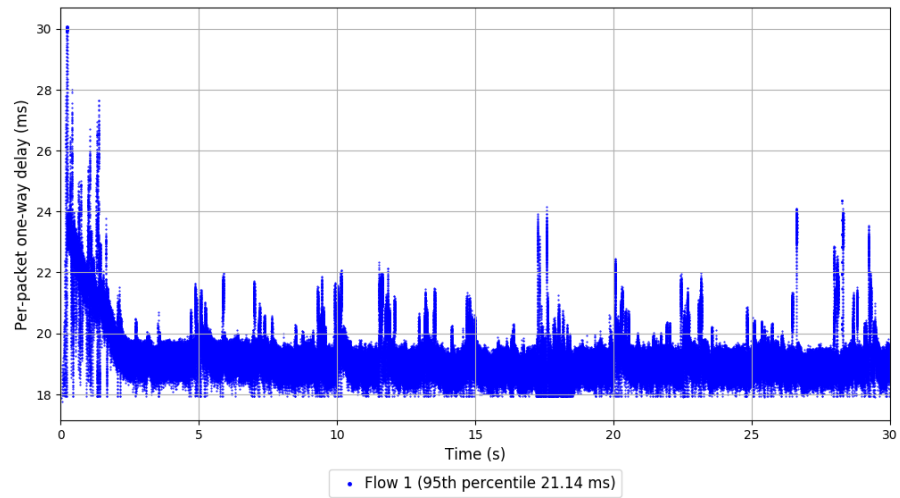
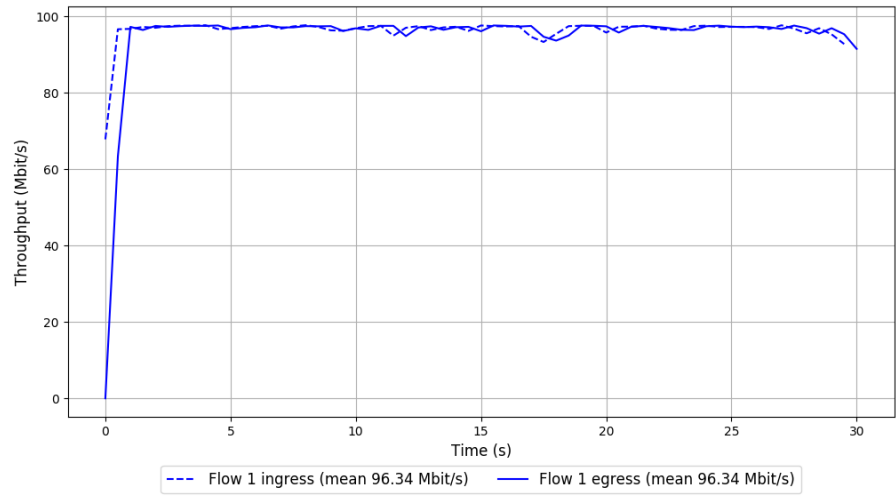


Run 9: Statistics of TCP Vegas

Start at: 2018-08-09 20:02:07
End at: 2018-08-09 20:02:37
Local clock offset: 1.714 ms
Remote clock offset: -13.575 ms

Below is generated by plot.py at 2018-08-09 21:01:48
Datalink statistics
-- Total of 1 flow:
Average throughput: 96.34 Mbit/s
95th percentile per-packet one-way delay: 21.145 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 96.34 Mbit/s
95th percentile per-packet one-way delay: 21.145 ms
Loss rate: 0.08%

Run 9: Report of TCP Vegas — Data Link

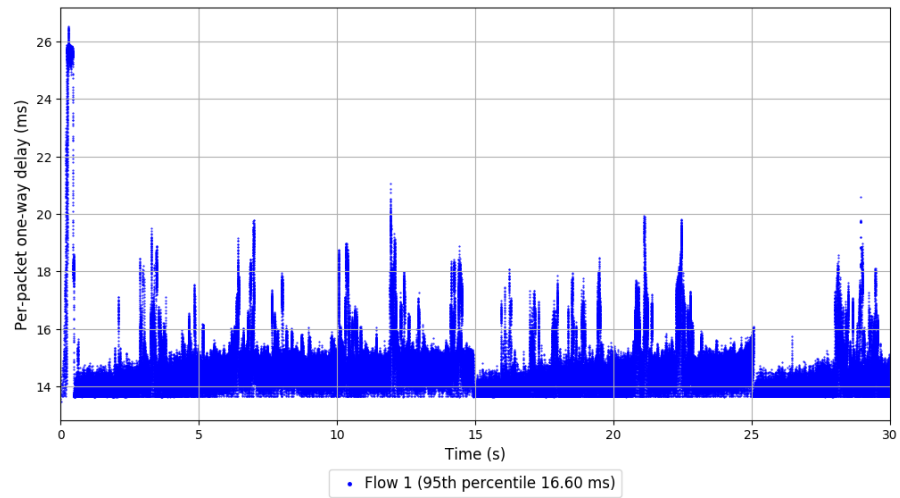
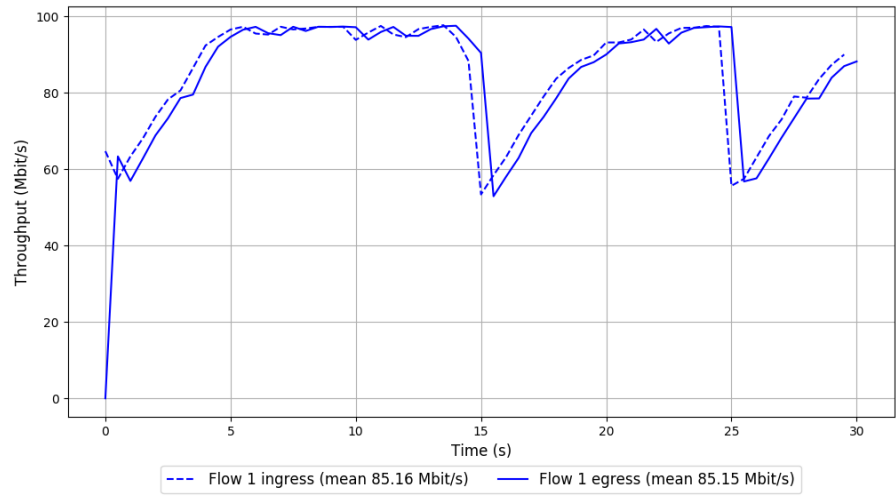


Run 10: Statistics of TCP Vegas

Start at: 2018-08-09 20:21:59
End at: 2018-08-09 20:22:29
Local clock offset: -0.163 ms
Remote clock offset: -11.014 ms

Below is generated by plot.py at 2018-08-09 21:01:48
Datalink statistics
-- Total of 1 flow:
Average throughput: 85.15 Mbit/s
95th percentile per-packet one-way delay: 16.599 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 85.15 Mbit/s
95th percentile per-packet one-way delay: 16.599 ms
Loss rate: 0.09%

Run 10: Report of TCP Vegas — Data Link

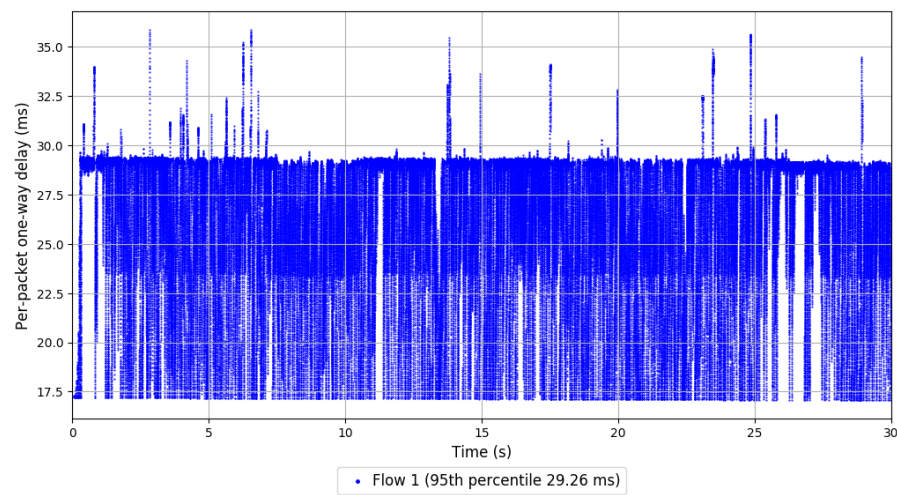
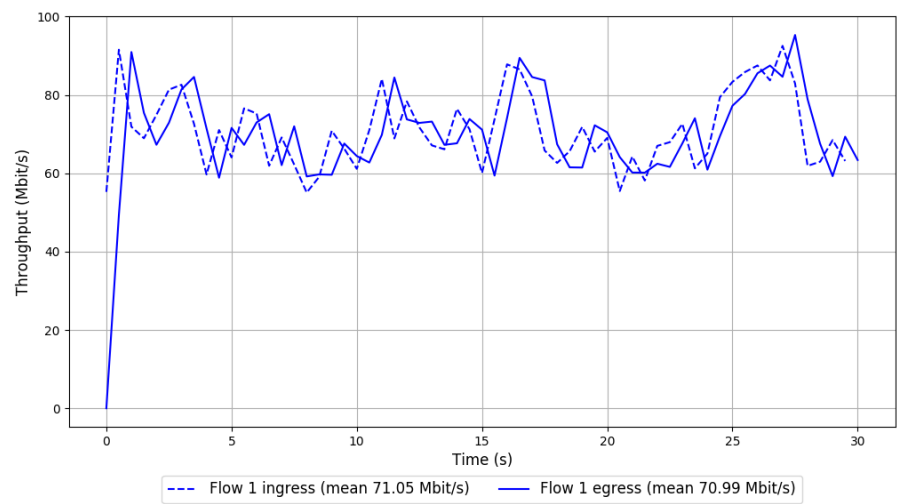


Run 1: Statistics of Verus

Start at: 2018-08-09 17:20:35
End at: 2018-08-09 17:21:05
Local clock offset: -0.598 ms
Remote clock offset: -5.669 ms

Below is generated by plot.py at 2018-08-09 21:01:48
Datalink statistics
-- Total of 1 flow:
Average throughput: 70.99 Mbit/s
95th percentile per-packet one-way delay: 29.260 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 70.99 Mbit/s
95th percentile per-packet one-way delay: 29.260 ms
Loss rate: 0.09%

Run 1: Report of Verus — Data Link

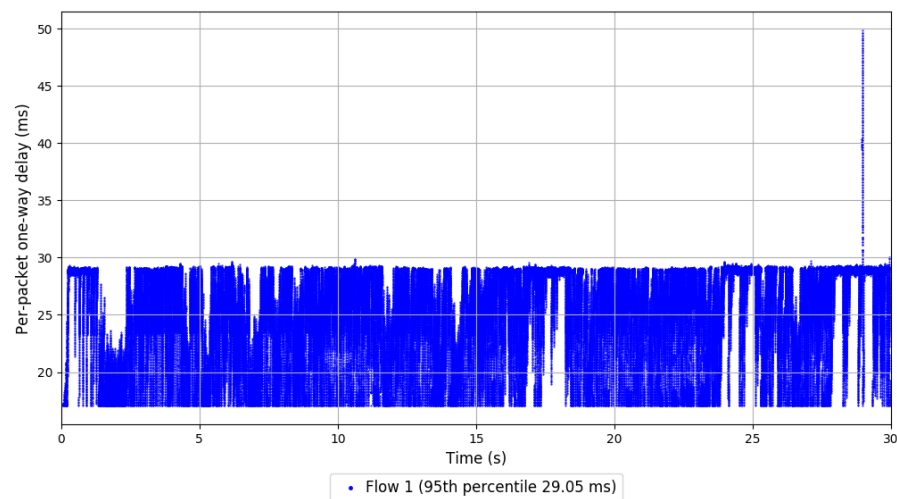
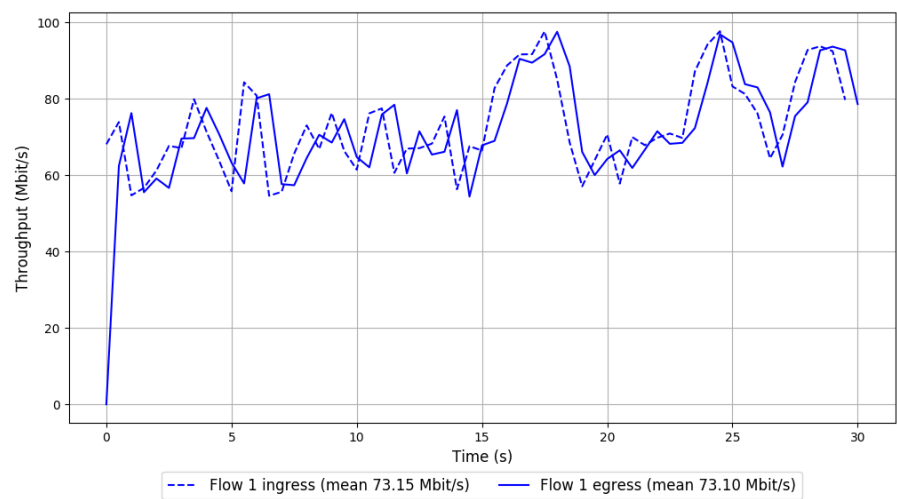


Run 2: Statistics of Verus

Start at: 2018-08-09 17:40:11
End at: 2018-08-09 17:40:41
Local clock offset: 0.134 ms
Remote clock offset: -6.562 ms

Below is generated by plot.py at 2018-08-09 21:02:06
Datalink statistics
-- Total of 1 flow:
Average throughput: 73.10 Mbit/s
95th percentile per-packet one-way delay: 29.055 ms
Loss rate: 0.16%
-- Flow 1:
Average throughput: 73.10 Mbit/s
95th percentile per-packet one-way delay: 29.055 ms
Loss rate: 0.16%

Run 2: Report of Verus — Data Link

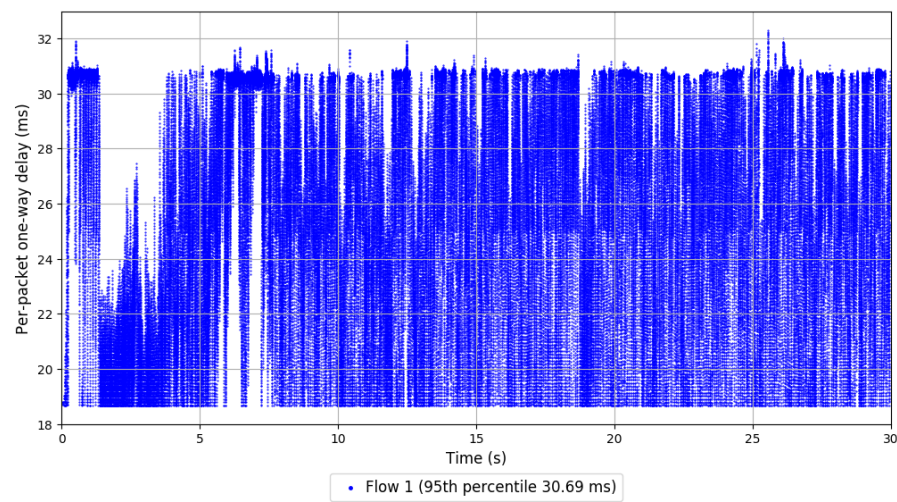
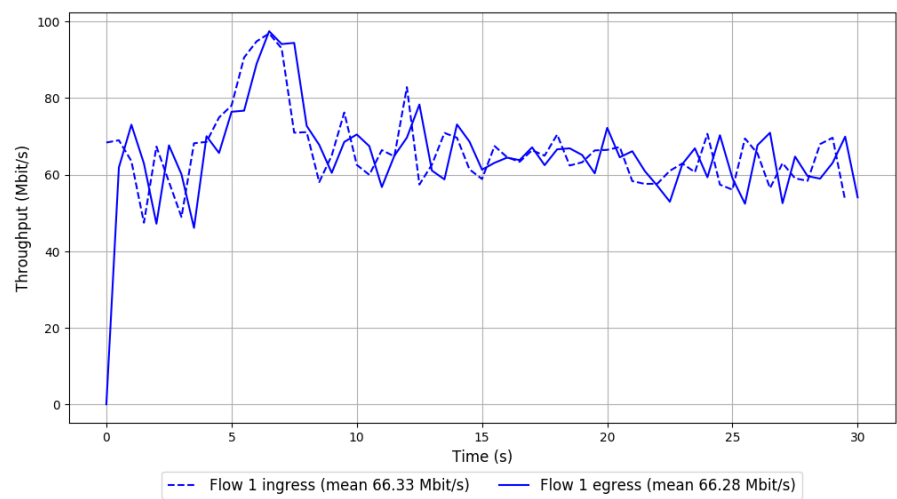


Run 3: Statistics of Verus

Start at: 2018-08-09 17:59:53
End at: 2018-08-09 18:00:23
Local clock offset: 1.201 ms
Remote clock offset: -7.228 ms

Below is generated by plot.py at 2018-08-09 21:02:14
Datalink statistics
-- Total of 1 flow:
Average throughput: 66.28 Mbit/s
95th percentile per-packet one-way delay: 30.687 ms
Loss rate: 0.14%
-- Flow 1:
Average throughput: 66.28 Mbit/s
95th percentile per-packet one-way delay: 30.687 ms
Loss rate: 0.14%

Run 3: Report of Verus — Data Link

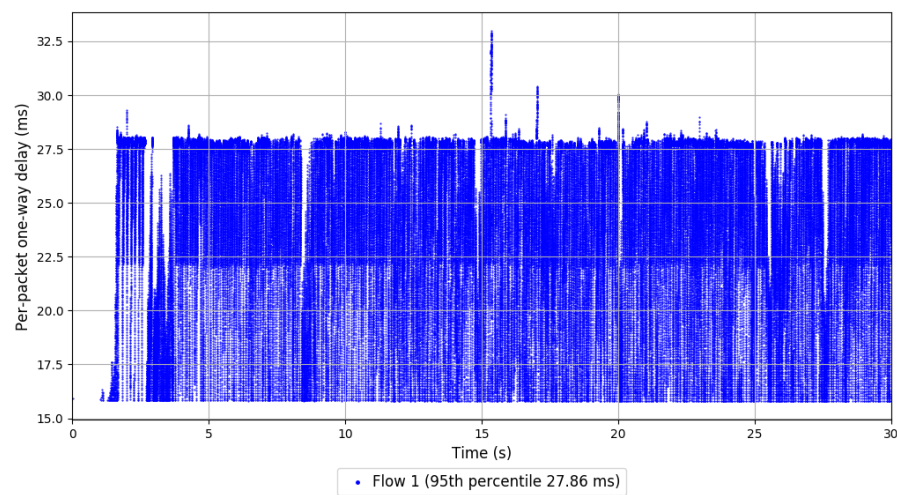
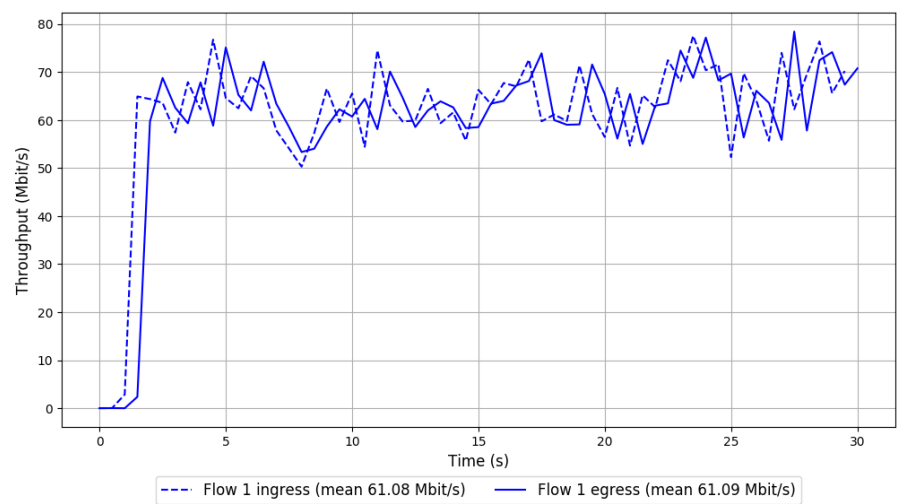


Run 4: Statistics of Verus

Start at: 2018-08-09 18:20:05
End at: 2018-08-09 18:20:35
Local clock offset: -1.512 ms
Remote clock offset: -7.648 ms

Below is generated by plot.py at 2018-08-09 21:02:18
Datalink statistics
-- Total of 1 flow:
Average throughput: 61.09 Mbit/s
95th percentile per-packet one-way delay: 27.857 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 61.09 Mbit/s
95th percentile per-packet one-way delay: 27.857 ms
Loss rate: 0.06%

Run 4: Report of Verus — Data Link

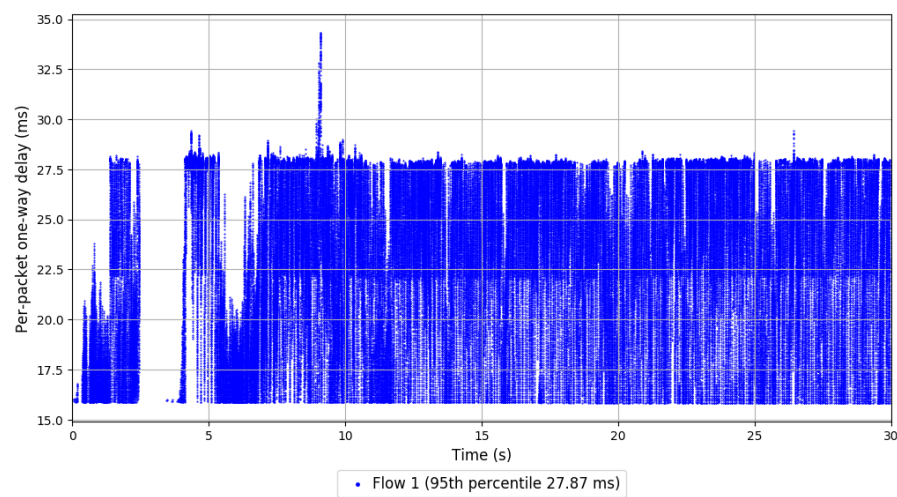
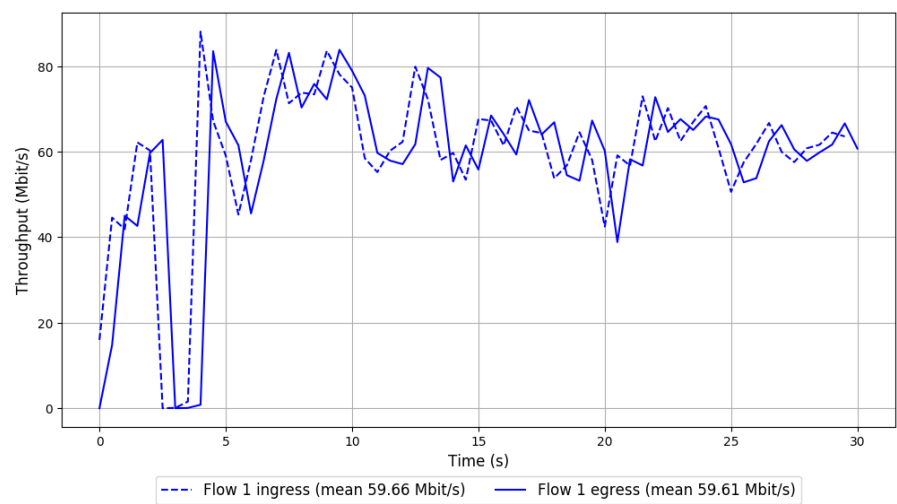


Run 5: Statistics of Verus

Start at: 2018-08-09 18:40:02
End at: 2018-08-09 18:40:32
Local clock offset: -0.805 ms
Remote clock offset: -11.147 ms

Below is generated by plot.py at 2018-08-09 21:02:23
Datalink statistics
-- Total of 1 flow:
Average throughput: 59.61 Mbit/s
95th percentile per-packet one-way delay: 27.870 ms
Loss rate: 0.17%
-- Flow 1:
Average throughput: 59.61 Mbit/s
95th percentile per-packet one-way delay: 27.870 ms
Loss rate: 0.17%

Run 5: Report of Verus — Data Link

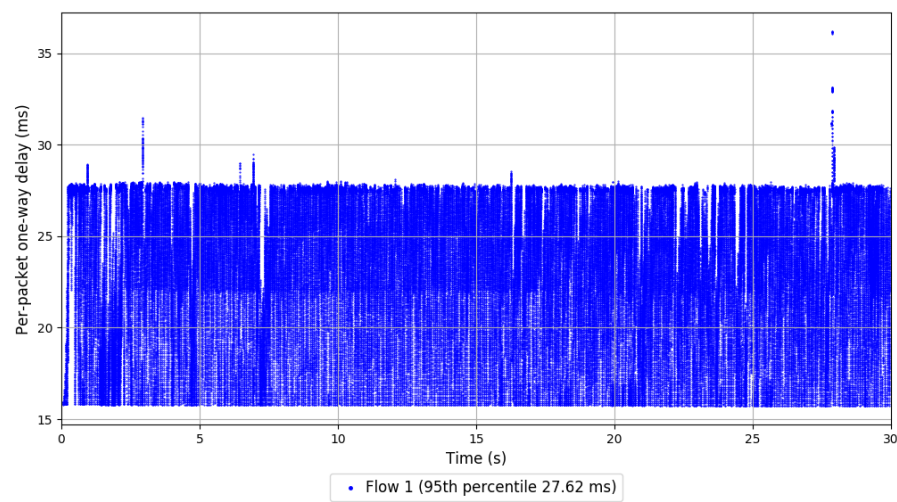
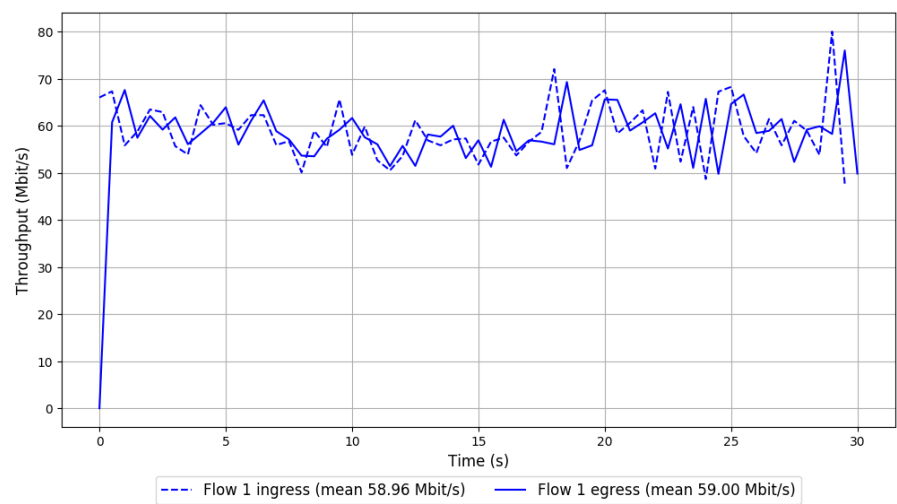


Run 6: Statistics of Verus

Start at: 2018-08-09 19:00:04
End at: 2018-08-09 19:00:34
Local clock offset: -1.6 ms
Remote clock offset: -12.999 ms

Below is generated by plot.py at 2018-08-09 21:02:27
Datalink statistics
-- Total of 1 flow:
Average throughput: 59.00 Mbit/s
95th percentile per-packet one-way delay: 27.619 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 59.00 Mbit/s
95th percentile per-packet one-way delay: 27.619 ms
Loss rate: 0.05%

Run 6: Report of Verus — Data Link

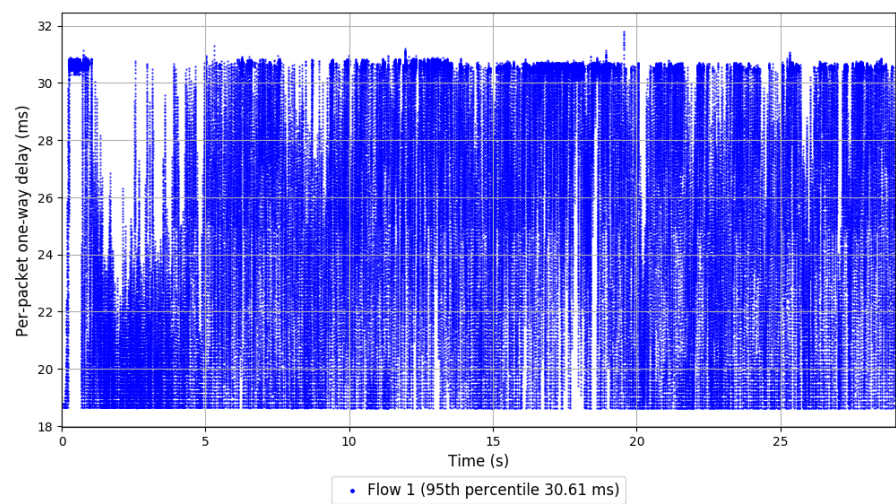
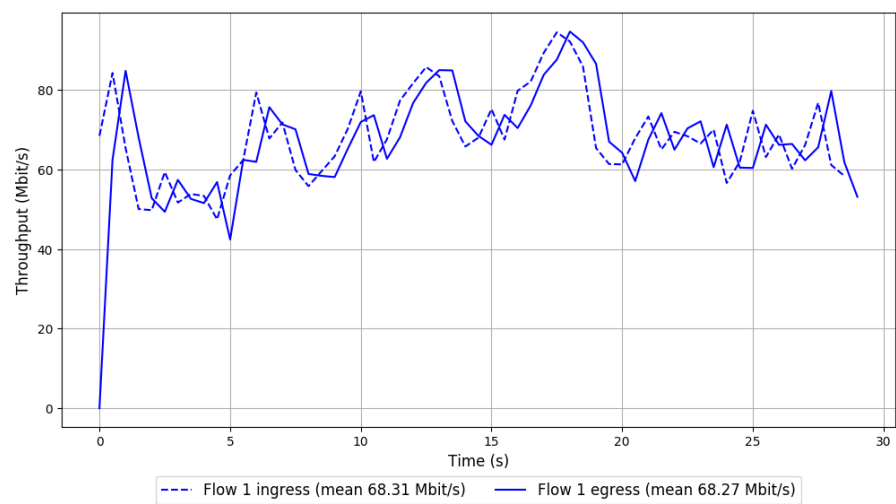


Run 7: Statistics of Verus

Start at: 2018-08-09 19:20:22
End at: 2018-08-09 19:20:52
Local clock offset: 1.304 ms
Remote clock offset: -14.868 ms

Below is generated by plot.py at 2018-08-09 21:02:34
Datalink statistics
-- Total of 1 flow:
Average throughput: 68.27 Mbit/s
95th percentile per-packet one-way delay: 30.610 ms
Loss rate: 0.14%
-- Flow 1:
Average throughput: 68.27 Mbit/s
95th percentile per-packet one-way delay: 30.610 ms
Loss rate: 0.14%

Run 7: Report of Verus — Data Link

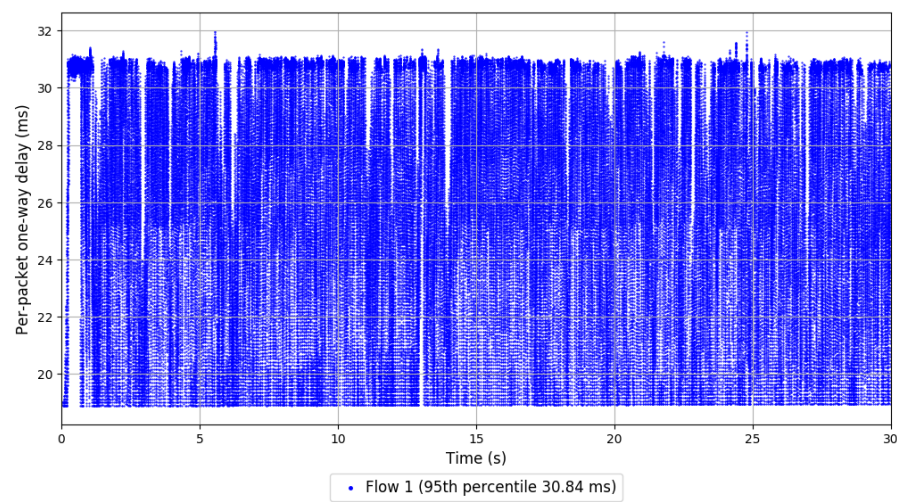
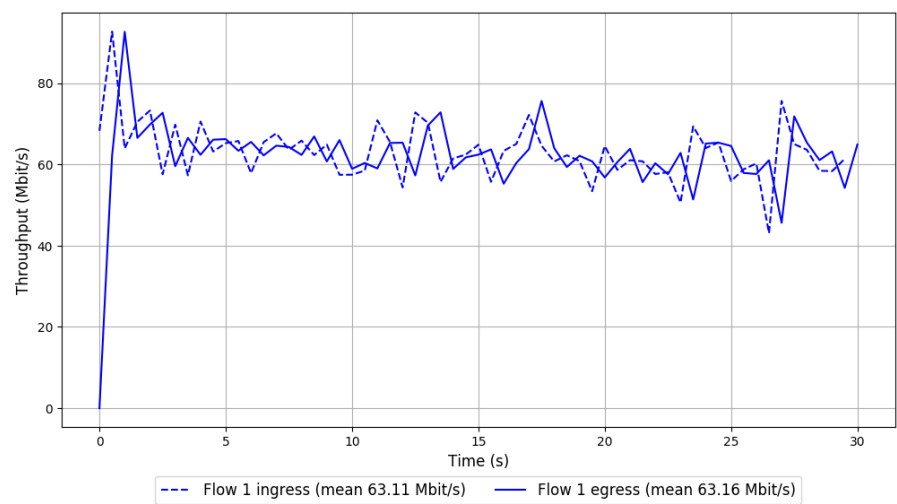


Run 8: Statistics of Verus

Start at: 2018-08-09 19:40:08
End at: 2018-08-09 19:40:38
Local clock offset: 1.36 ms
Remote clock offset: -13.967 ms

Below is generated by plot.py at 2018-08-09 21:02:34
Datalink statistics
-- Total of 1 flow:
Average throughput: 63.16 Mbit/s
95th percentile per-packet one-way delay: 30.836 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 63.16 Mbit/s
95th percentile per-packet one-way delay: 30.836 ms
Loss rate: 0.05%

Run 8: Report of Verus — Data Link

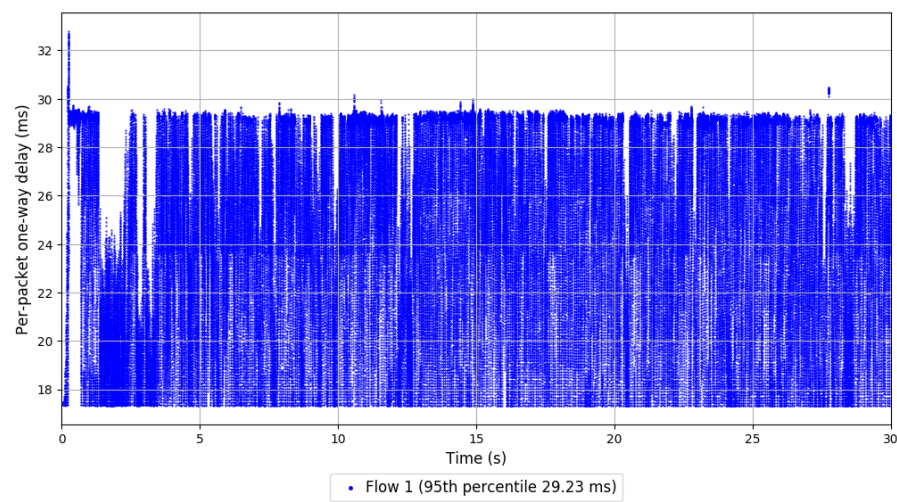
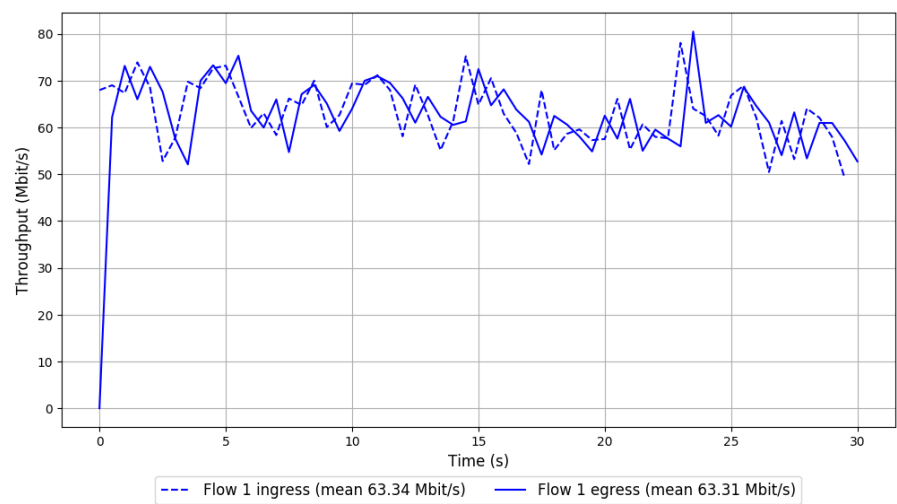


Run 9: Statistics of Verus

Start at: 2018-08-09 19:59:54
End at: 2018-08-09 20:00:24
Local clock offset: 1.374 ms
Remote clock offset: -13.241 ms

Below is generated by plot.py at 2018-08-09 21:02:36
Datalink statistics
-- Total of 1 flow:
Average throughput: 63.31 Mbit/s
95th percentile per-packet one-way delay: 29.233 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 63.31 Mbit/s
95th percentile per-packet one-way delay: 29.233 ms
Loss rate: 0.04%

Run 9: Report of Verus — Data Link

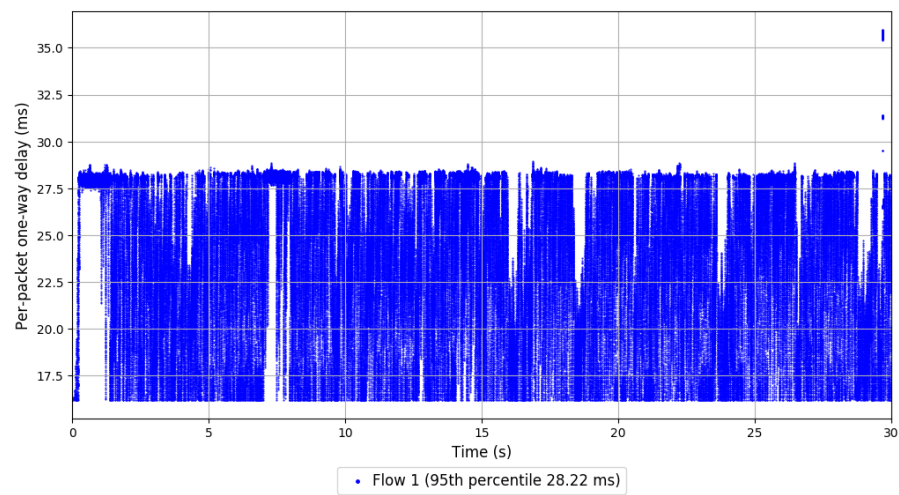
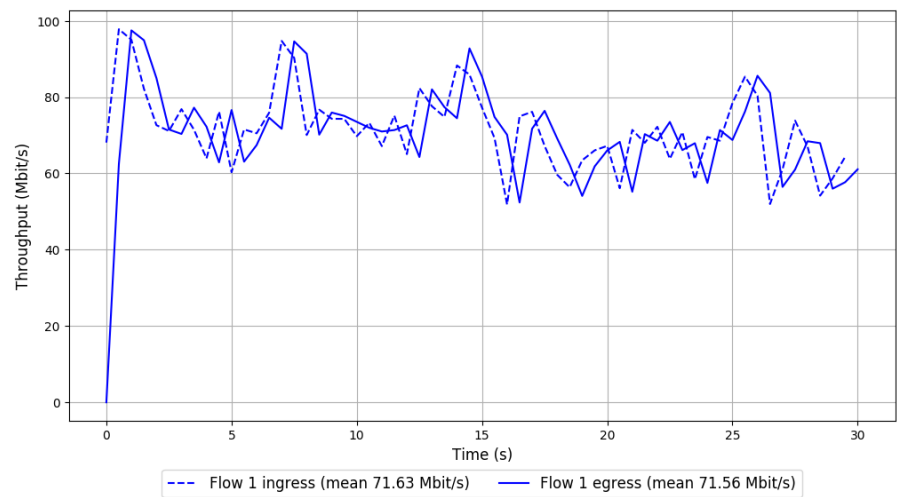


Run 10: Statistics of Verus

Start at: 2018-08-09 20:19:45
End at: 2018-08-09 20:20:15
Local clock offset: 1.087 ms
Remote clock offset: -12.329 ms

Below is generated by plot.py at 2018-08-09 21:02:56
Datalink statistics
-- Total of 1 flow:
Average throughput: 71.56 Mbit/s
95th percentile per-packet one-way delay: 28.224 ms
Loss rate: 0.18%
-- Flow 1:
Average throughput: 71.56 Mbit/s
95th percentile per-packet one-way delay: 28.224 ms
Loss rate: 0.18%

Run 10: Report of Verus — Data Link



Run 1: Statistics of PCC-Vivace

Start at: 2018-08-09 17:23:58

End at: 2018-08-09 17:24:28

Local clock offset: -0.875 ms

Remote clock offset: -6.611 ms

Below is generated by plot.py at 2018-08-09 21:02:56

Datalink statistics

-- Total of 1 flow:

Average throughput: 57.55 Mbit/s

95th percentile per-packet one-way delay: 25.871 ms

Loss rate: 0.14%

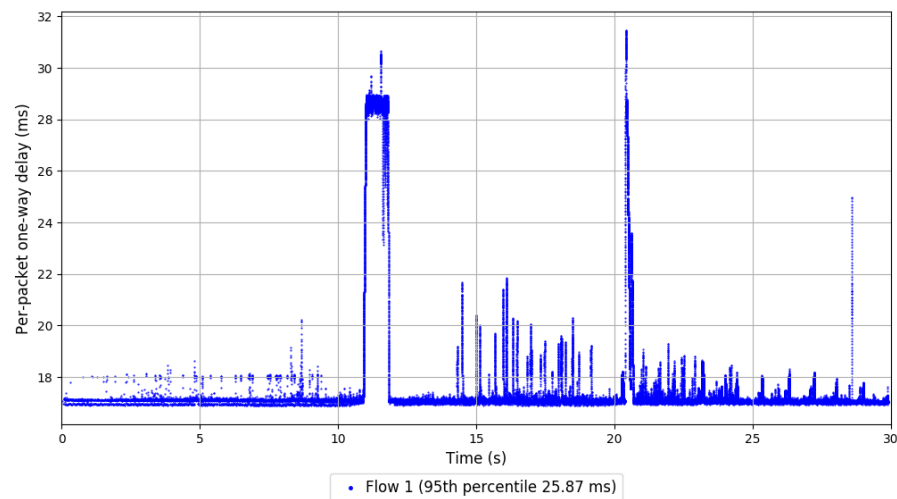
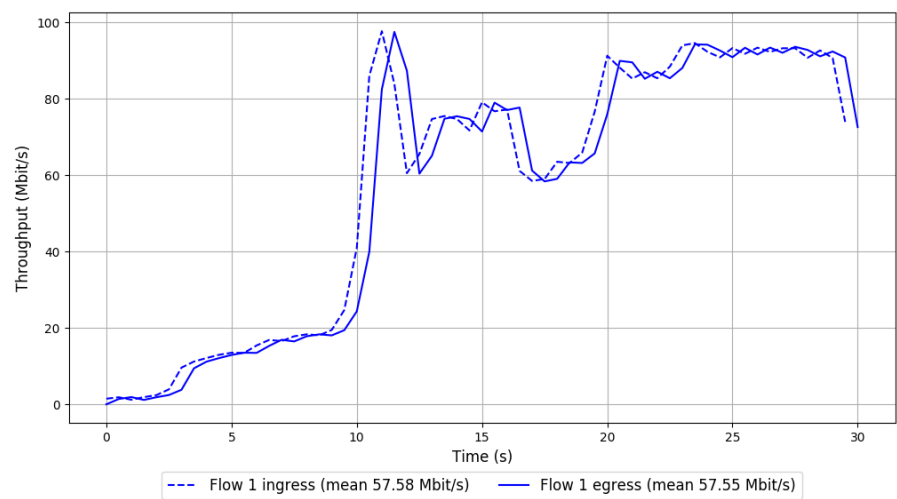
-- Flow 1:

Average throughput: 57.55 Mbit/s

95th percentile per-packet one-way delay: 25.871 ms

Loss rate: 0.14%

Run 1: Report of PCC-Vivace — Data Link

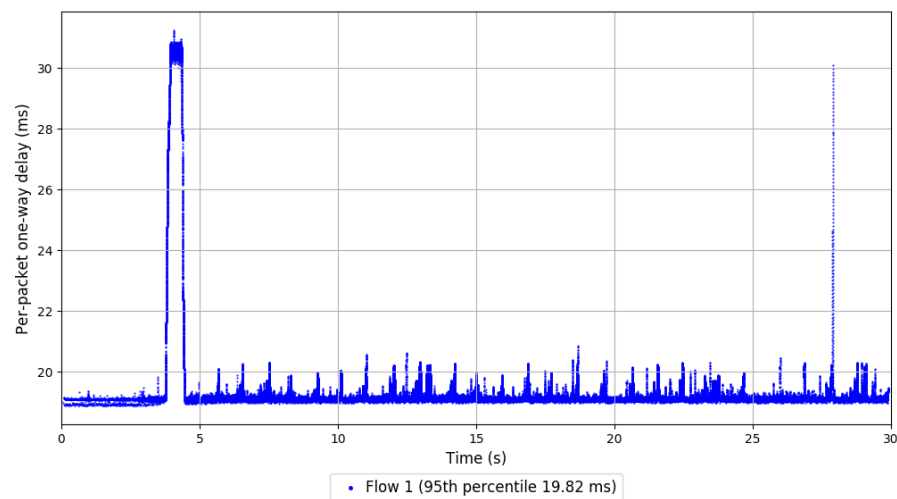
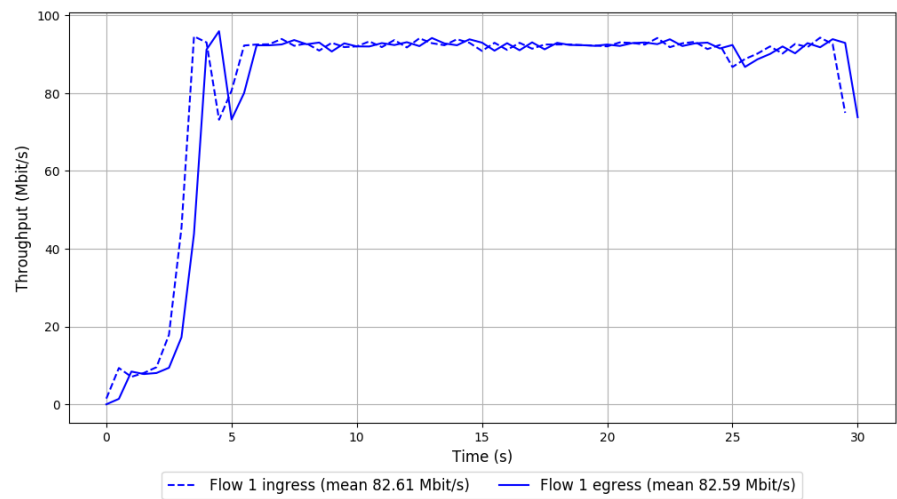


Run 2: Statistics of PCC-Vivace

Start at: 2018-08-09 17:43:31
End at: 2018-08-09 17:44:01
Local clock offset: 1.807 ms
Remote clock offset: -6.836 ms

Below is generated by plot.py at 2018-08-09 21:03:24
Datalink statistics
-- Total of 1 flow:
Average throughput: 82.59 Mbit/s
95th percentile per-packet one-way delay: 19.821 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 82.59 Mbit/s
95th percentile per-packet one-way delay: 19.821 ms
Loss rate: 0.10%

Run 2: Report of PCC-Vivace — Data Link



Run 3: Statistics of PCC-Vivace

Start at: 2018-08-09 18:03:36

End at: 2018-08-09 18:04:06

Local clock offset: -0.04 ms

Remote clock offset: -7.392 ms

Below is generated by plot.py at 2018-08-09 21:03:28

Datalink statistics

-- Total of 1 flow:

Average throughput: 86.10 Mbit/s

95th percentile per-packet one-way delay: 18.012 ms

Loss rate: 0.09%

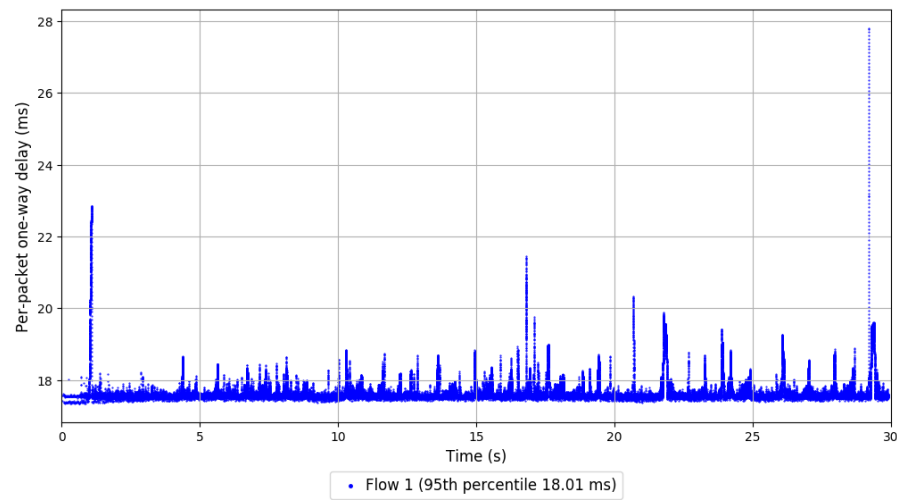
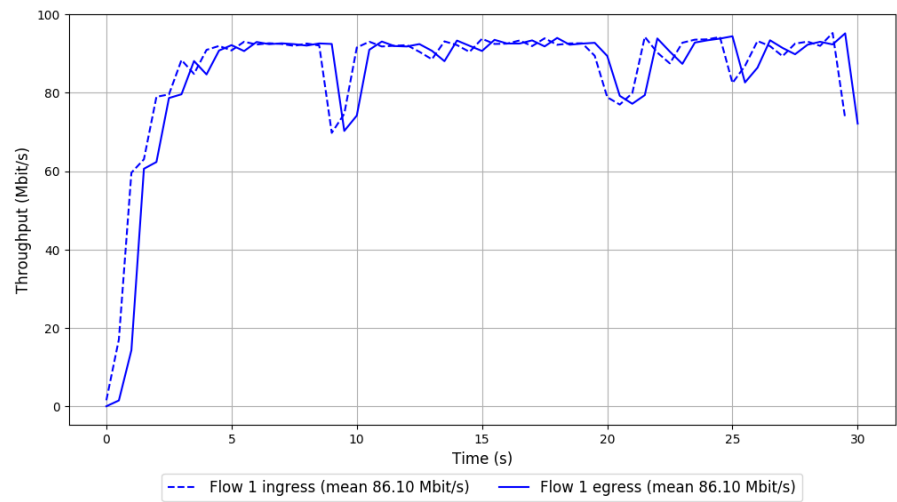
-- Flow 1:

Average throughput: 86.10 Mbit/s

95th percentile per-packet one-way delay: 18.012 ms

Loss rate: 0.09%

Run 3: Report of PCC-Vivace — Data Link



Run 4: Statistics of PCC-Vivace

Start at: 2018-08-09 18:23:27

End at: 2018-08-09 18:23:57

Local clock offset: -0.29 ms

Remote clock offset: -6.474 ms

Below is generated by plot.py at 2018-08-09 21:03:28

Datalink statistics

-- Total of 1 flow:

Average throughput: 66.89 Mbit/s

95th percentile per-packet one-way delay: 16.317 ms

Loss rate: 0.10%

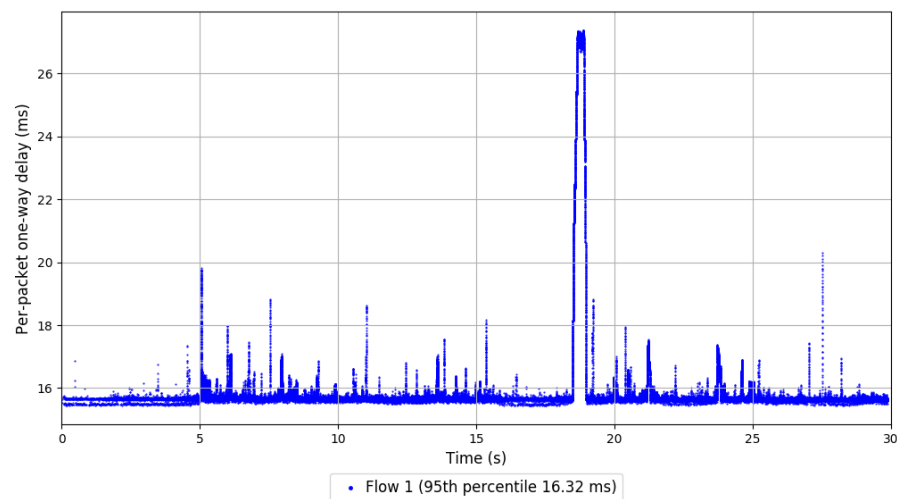
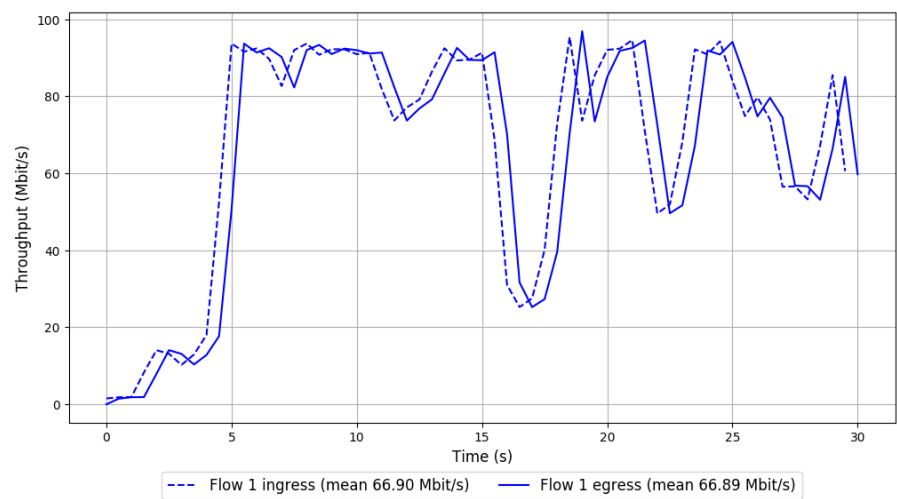
-- Flow 1:

Average throughput: 66.89 Mbit/s

95th percentile per-packet one-way delay: 16.317 ms

Loss rate: 0.10%

Run 4: Report of PCC-Vivace — Data Link

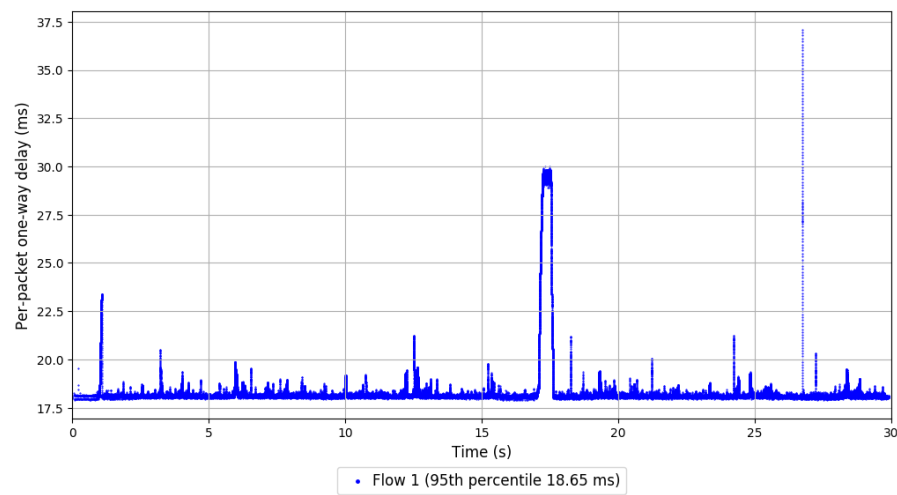
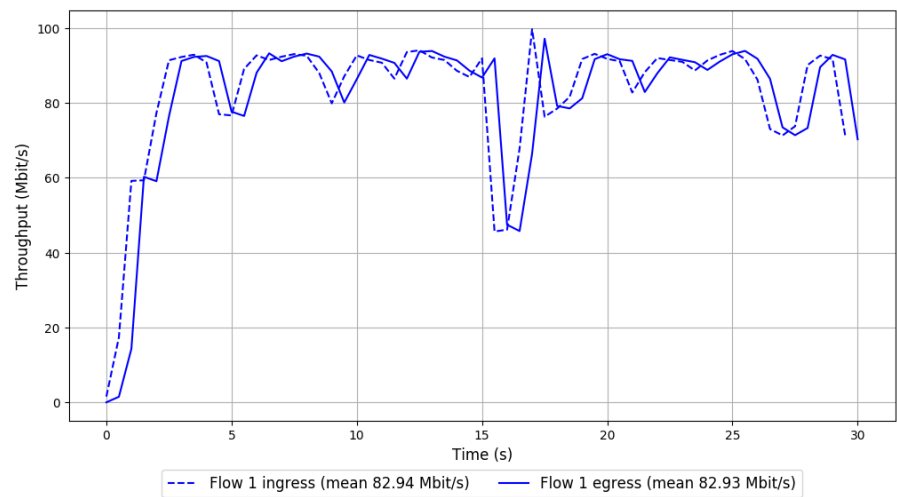


Run 5: Statistics of PCC-Vivace

Start at: 2018-08-09 18:43:25
End at: 2018-08-09 18:43:55
Local clock offset: 2.656 ms
Remote clock offset: -10.339 ms

Below is generated by plot.py at 2018-08-09 21:03:39
Datalink statistics
-- Total of 1 flow:
Average throughput: 82.93 Mbit/s
95th percentile per-packet one-way delay: 18.647 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 82.93 Mbit/s
95th percentile per-packet one-way delay: 18.647 ms
Loss rate: 0.09%

Run 5: Report of PCC-Vivace — Data Link

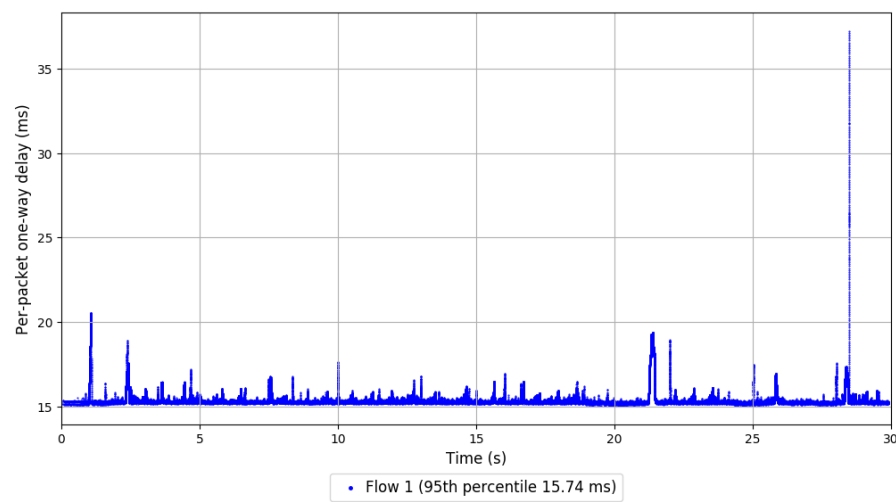
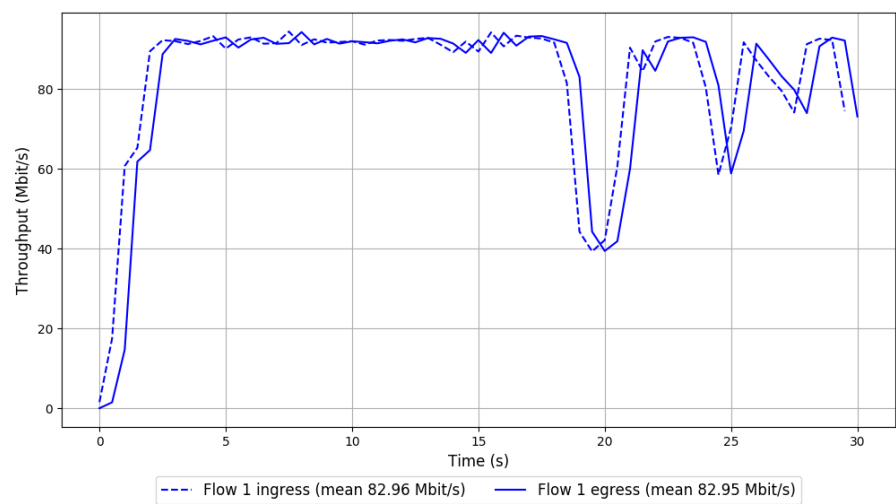


Run 6: Statistics of PCC-Vivace

Start at: 2018-08-09 19:03:28
End at: 2018-08-09 19:03:58
Local clock offset: -1.245 ms
Remote clock offset: -12.622 ms

Below is generated by plot.py at 2018-08-09 21:03:43
Datalink statistics
-- Total of 1 flow:
Average throughput: 82.95 Mbit/s
95th percentile per-packet one-way delay: 15.741 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 82.95 Mbit/s
95th percentile per-packet one-way delay: 15.741 ms
Loss rate: 0.09%

Run 6: Report of PCC-Vivace — Data Link

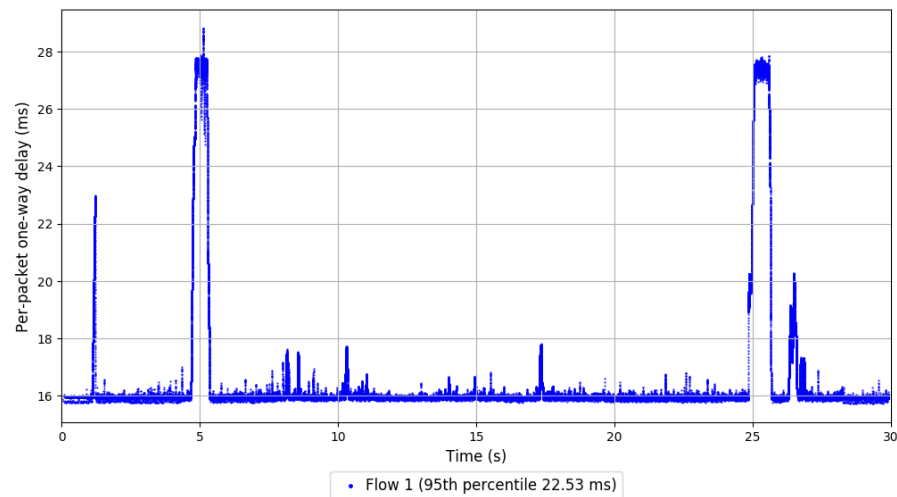
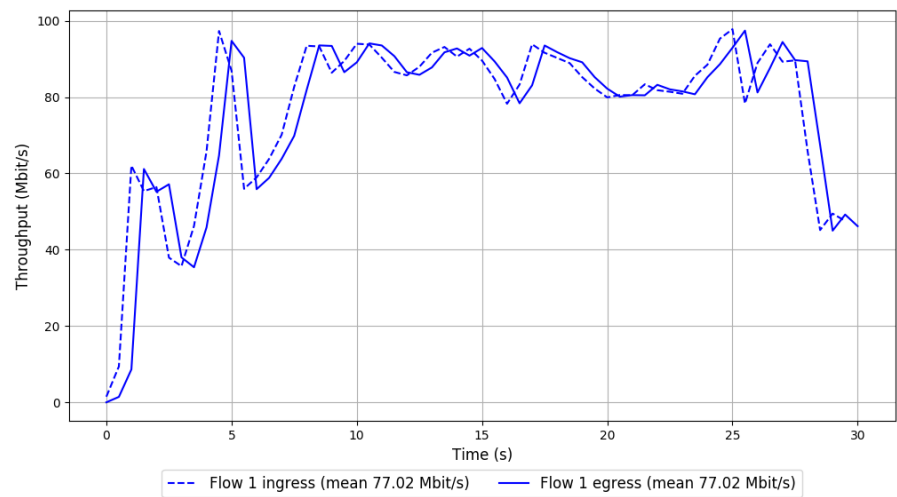


Run 7: Statistics of PCC-Vivace

Start at: 2018-08-09 19:23:43
End at: 2018-08-09 19:24:13
Local clock offset: -0.94 ms
Remote clock offset: -14.544 ms

Below is generated by plot.py at 2018-08-09 21:03:43
Datalink statistics
-- Total of 1 flow:
Average throughput: 77.02 Mbit/s
95th percentile per-packet one-way delay: 22.528 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 77.02 Mbit/s
95th percentile per-packet one-way delay: 22.528 ms
Loss rate: 0.08%

Run 7: Report of PCC-Vivace — Data Link

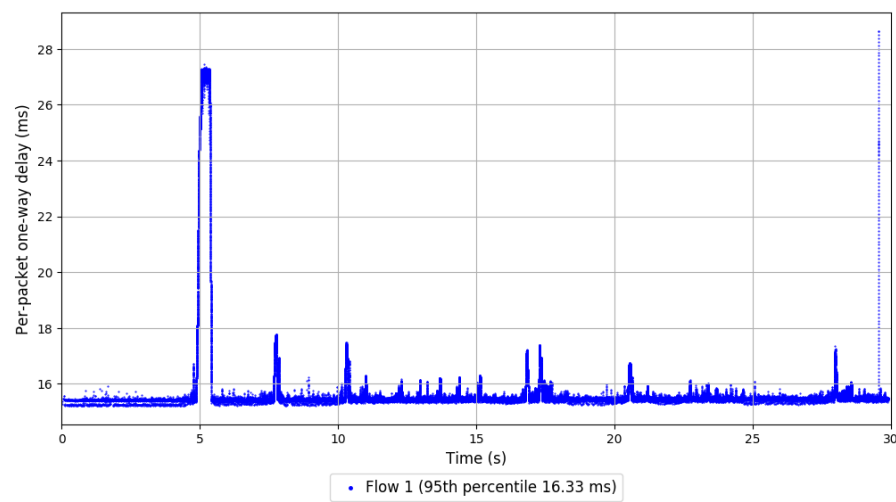
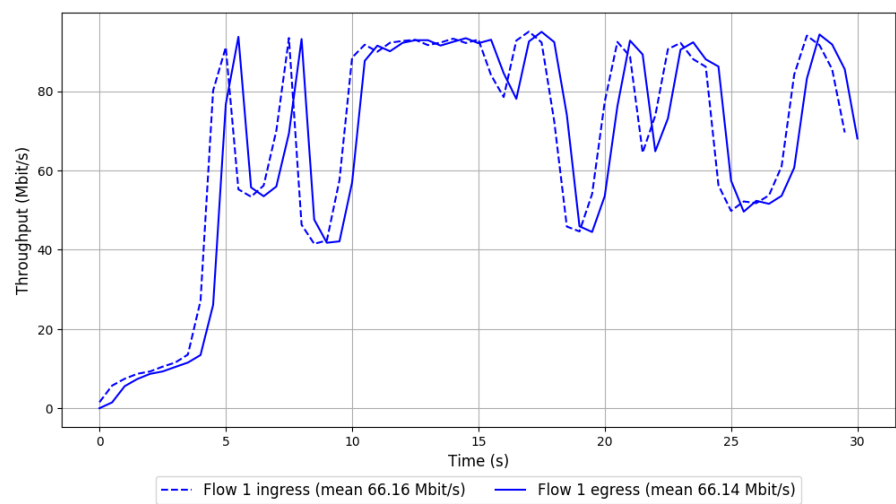


Run 8: Statistics of PCC-Vivace

Start at: 2018-08-09 19:43:29
End at: 2018-08-09 19:43:59
Local clock offset: -2.381 ms
Remote clock offset: -13.818 ms

Below is generated by plot.py at 2018-08-09 21:03:48
Datalink statistics
-- Total of 1 flow:
Average throughput: 66.14 Mbit/s
95th percentile per-packet one-way delay: 16.326 ms
Loss rate: 0.11%
-- Flow 1:
Average throughput: 66.14 Mbit/s
95th percentile per-packet one-way delay: 16.326 ms
Loss rate: 0.11%

Run 8: Report of PCC-Vivace — Data Link

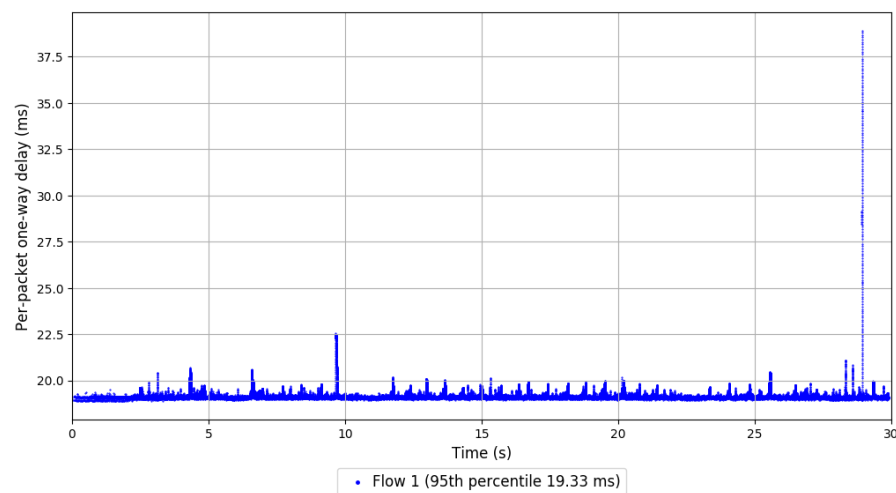
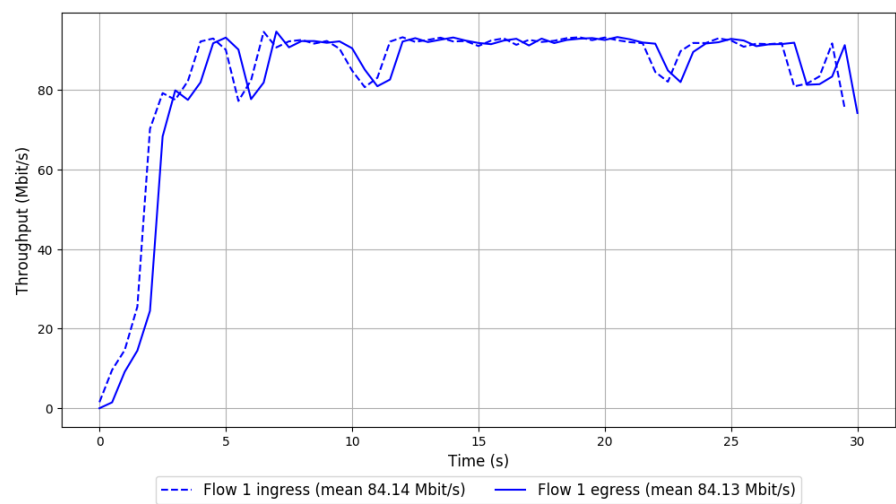


Run 9: Statistics of PCC-Vivace

Start at: 2018-08-09 20:03:18
End at: 2018-08-09 20:03:48
Local clock offset: 3.966 ms
Remote clock offset: -12.539 ms

Below is generated by plot.py at 2018-08-09 21:03:50
Datalink statistics
-- Total of 1 flow:
Average throughput: 84.13 Mbit/s
95th percentile per-packet one-way delay: 19.329 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 84.13 Mbit/s
95th percentile per-packet one-way delay: 19.329 ms
Loss rate: 0.09%

Run 9: Report of PCC-Vivace — Data Link



Run 10: Statistics of PCC-Vivace

Start at: 2018-08-09 20:23:09

End at: 2018-08-09 20:23:39

Local clock offset: -1.91 ms

Remote clock offset: -12.623 ms

Below is generated by plot.py at 2018-08-09 21:03:52

Datalink statistics

-- Total of 1 flow:

Average throughput: 81.51 Mbit/s

95th percentile per-packet one-way delay: 13.983 ms

Loss rate: 0.09%

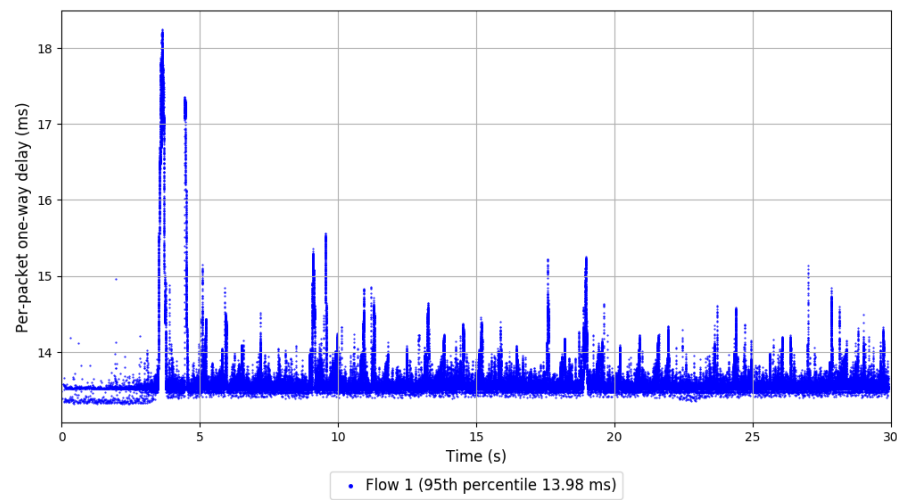
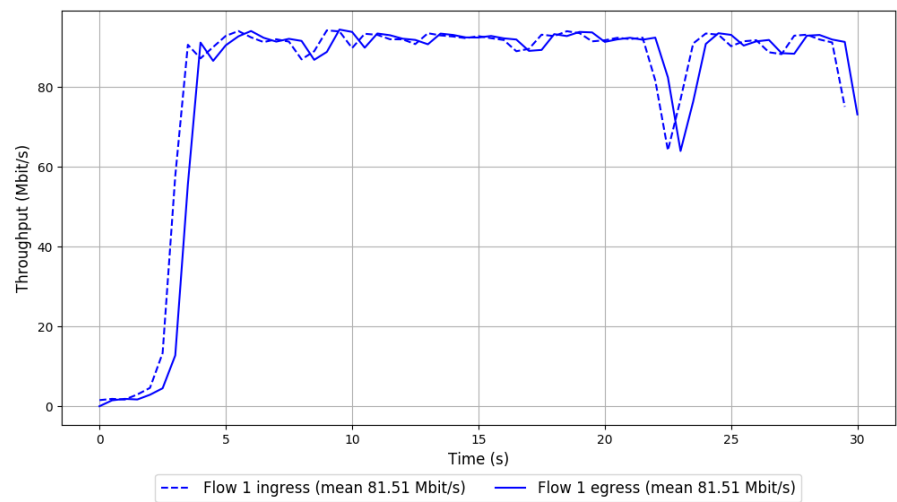
-- Flow 1:

Average throughput: 81.51 Mbit/s

95th percentile per-packet one-way delay: 13.983 ms

Loss rate: 0.09%

Run 10: Report of PCC-Vivace — Data Link

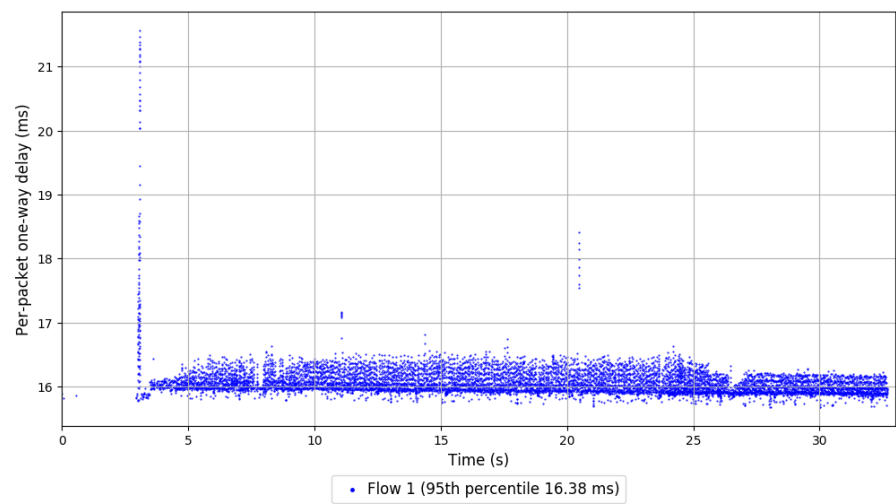
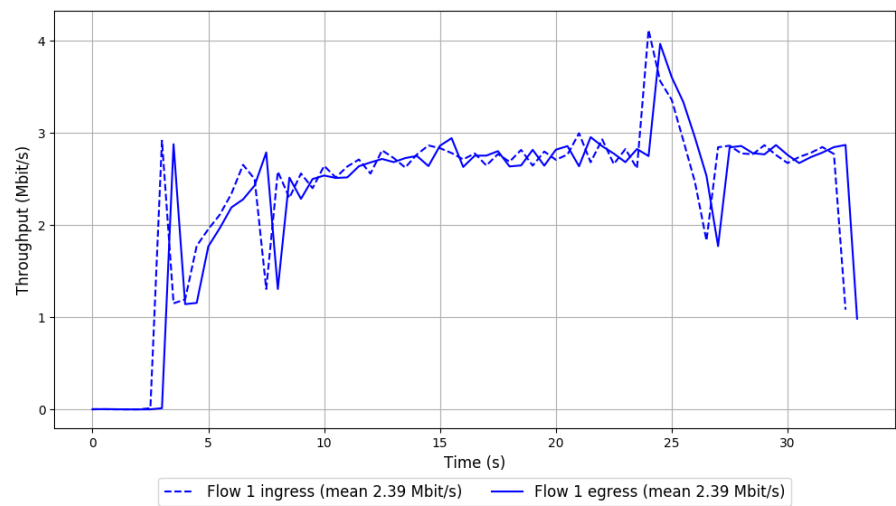


Run 1: Statistics of WebRTC media

Start at: 2018-08-09 17:21:45
End at: 2018-08-09 17:22:15
Local clock offset: -1.459 ms
Remote clock offset: -5.589 ms

Below is generated by plot.py at 2018-08-09 21:03:52
Datalink statistics
-- Total of 1 flow:
Average throughput: 2.39 Mbit/s
95th percentile per-packet one-way delay: 16.378 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 2.39 Mbit/s
95th percentile per-packet one-way delay: 16.378 ms
Loss rate: 0.06%

Run 1: Report of WebRTC media — Data Link

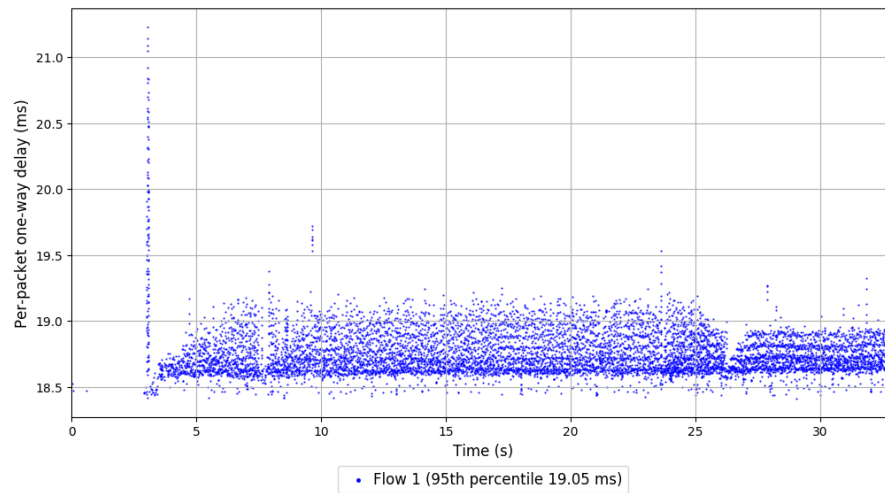
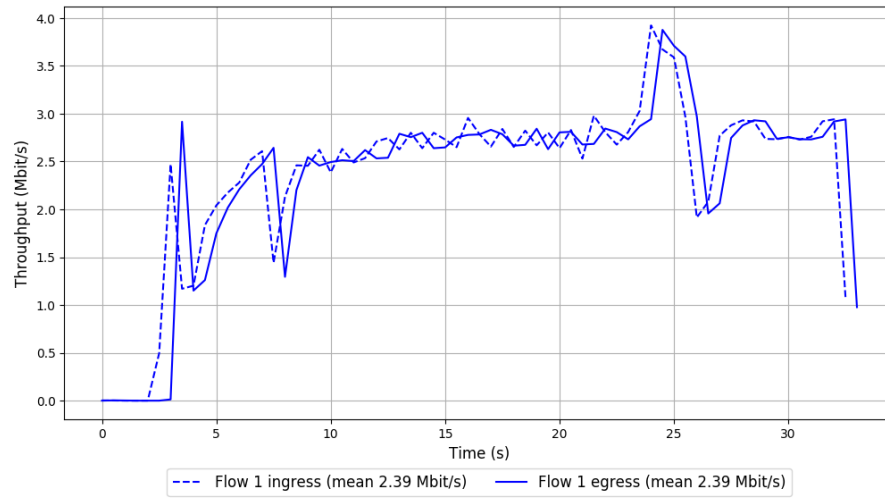


Run 2: Statistics of WebRTC media

Start at: 2018-08-09 17:41:19
End at: 2018-08-09 17:41:49
Local clock offset: 1.849 ms
Remote clock offset: -6.327 ms

Below is generated by plot.py at 2018-08-09 21:03:52
Datalink statistics
-- Total of 1 flow:
Average throughput: 2.39 Mbit/s
95th percentile per-packet one-way delay: 19.055 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 2.39 Mbit/s
95th percentile per-packet one-way delay: 19.055 ms
Loss rate: 0.13%

Run 2: Report of WebRTC media — Data Link

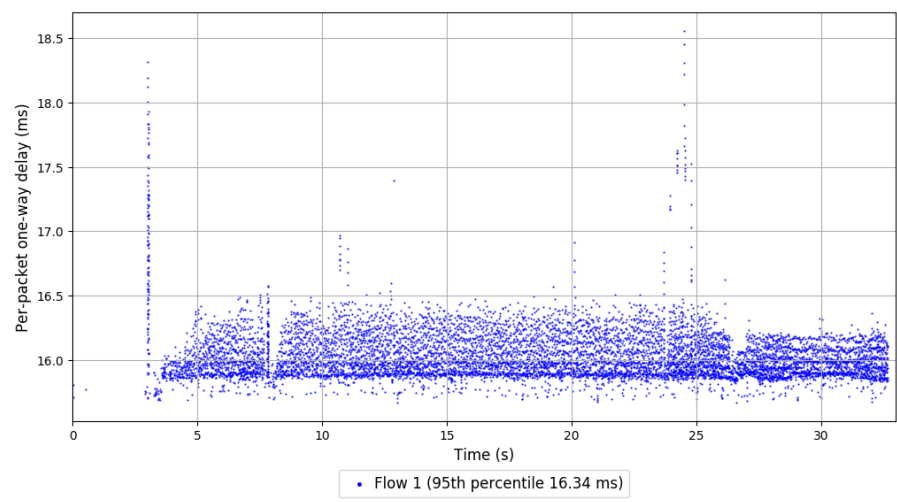
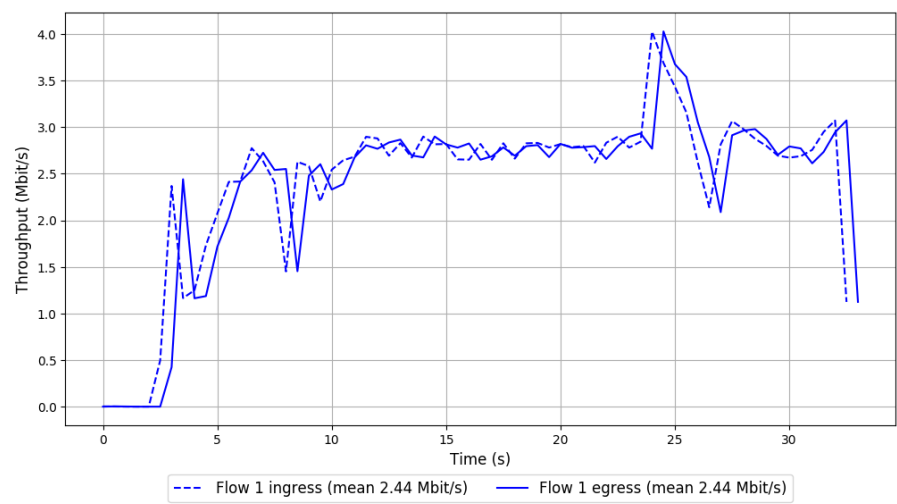


Run 3: Statistics of WebRTC media

Start at: 2018-08-09 18:01:03
End at: 2018-08-09 18:01:33
Local clock offset: -1.345 ms
Remote clock offset: -6.959 ms

Below is generated by plot.py at 2018-08-09 21:03:52
Datalink statistics
-- Total of 1 flow:
Average throughput: 2.44 Mbit/s
95th percentile per-packet one-way delay: 16.339 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 2.44 Mbit/s
95th percentile per-packet one-way delay: 16.339 ms
Loss rate: 0.06%

Run 3: Report of WebRTC media — Data Link

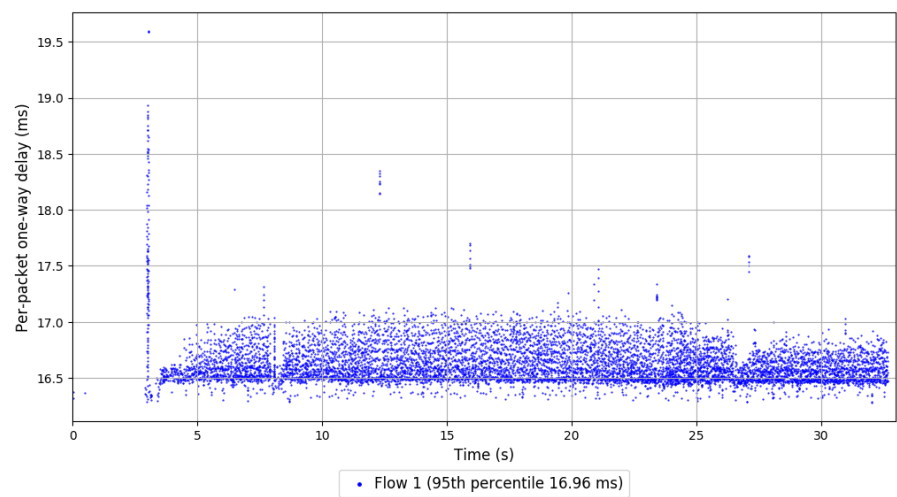
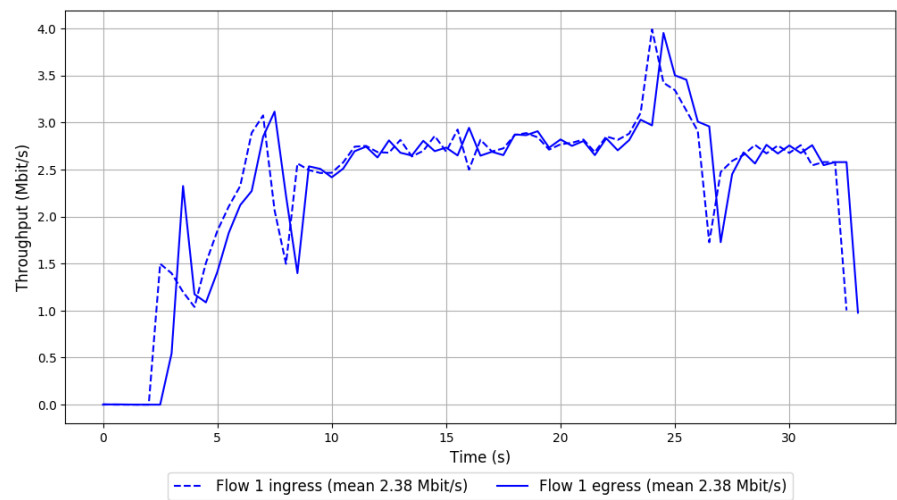


Run 4: Statistics of WebRTC media

Start at: 2018-08-09 18:21:14
End at: 2018-08-09 18:21:44
Local clock offset: -0.784 ms
Remote clock offset: -7.638 ms

Below is generated by plot.py at 2018-08-09 21:03:52
Datalink statistics
-- Total of 1 flow:
Average throughput: 2.38 Mbit/s
95th percentile per-packet one-way delay: 16.959 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 2.38 Mbit/s
95th percentile per-packet one-way delay: 16.959 ms
Loss rate: 0.07%

Run 4: Report of WebRTC media — Data Link

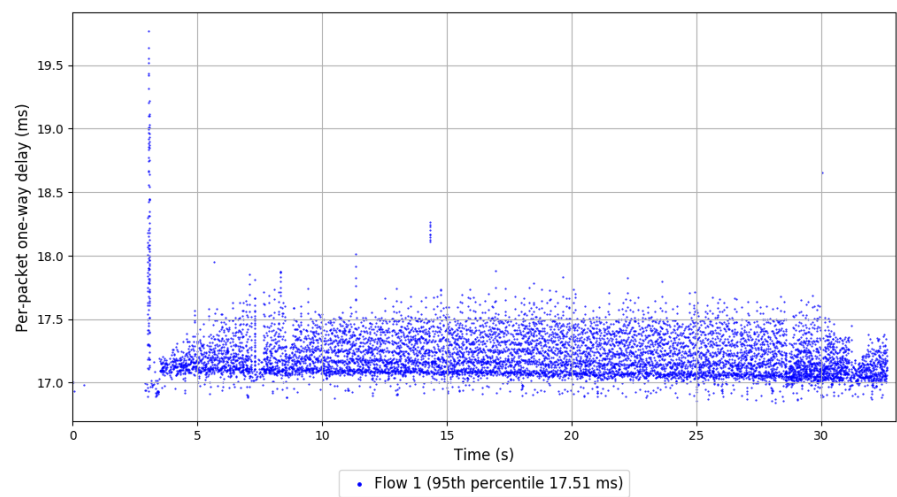
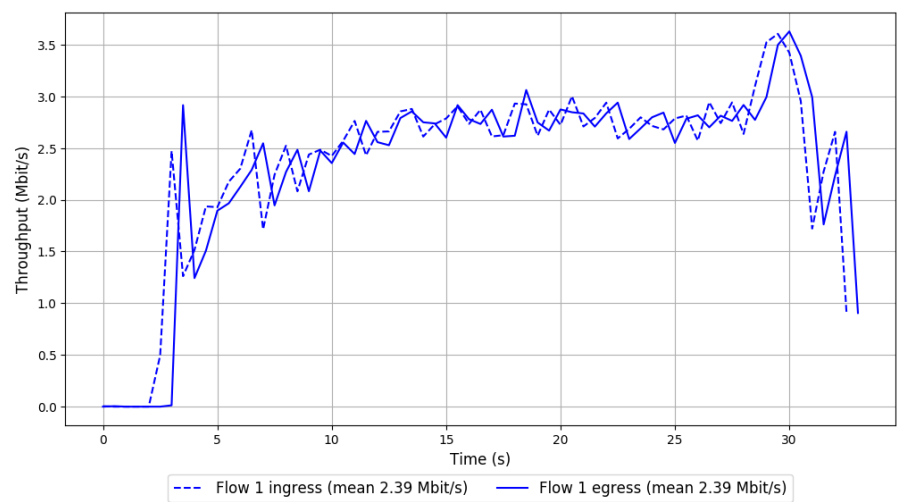


Run 5: Statistics of WebRTC media

Start at: 2018-08-09 18:41:11
End at: 2018-08-09 18:41:41
Local clock offset: 0.933 ms
Remote clock offset: -10.755 ms

Below is generated by plot.py at 2018-08-09 21:03:52
Datalink statistics
-- Total of 1 flow:
Average throughput: 2.39 Mbit/s
95th percentile per-packet one-way delay: 17.513 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 2.39 Mbit/s
95th percentile per-packet one-way delay: 17.513 ms
Loss rate: 0.06%

Run 5: Report of WebRTC media — Data Link

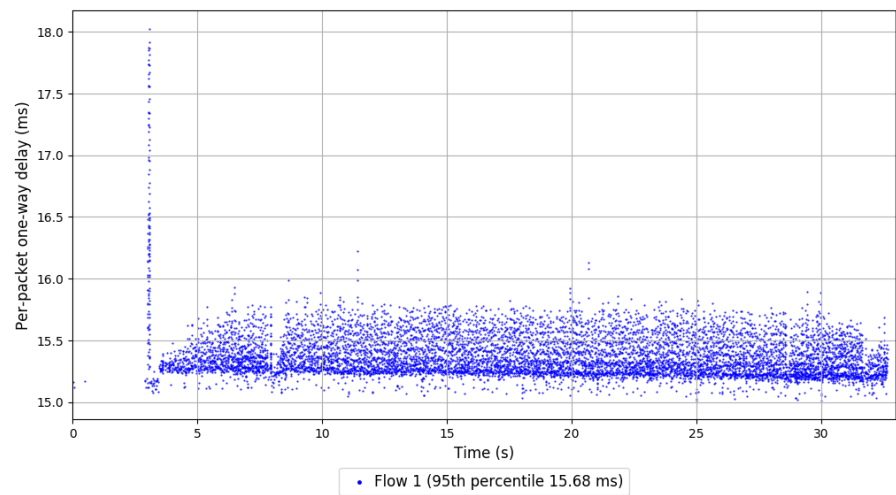
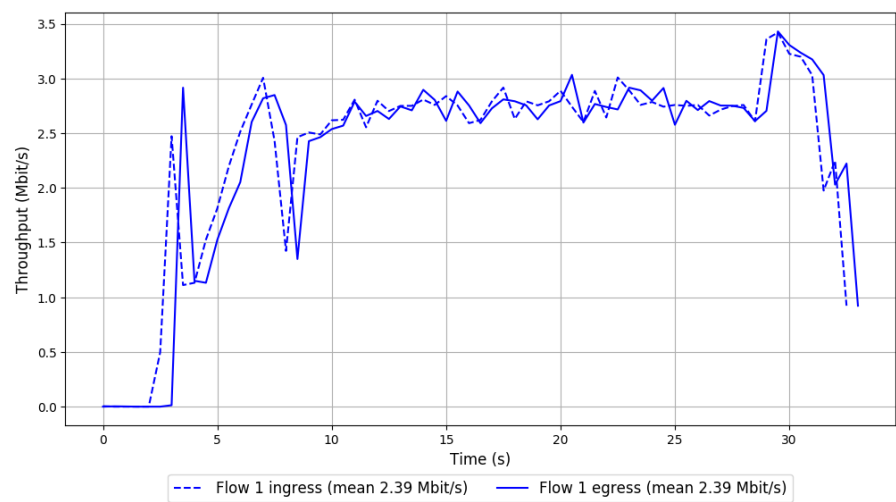


Run 6: Statistics of WebRTC media

Start at: 2018-08-09 19:01:14
End at: 2018-08-09 19:01:44
Local clock offset: -1.618 ms
Remote clock offset: -12.655 ms

Below is generated by plot.py at 2018-08-09 21:03:52
Datalink statistics
-- Total of 1 flow:
Average throughput: 2.39 Mbit/s
95th percentile per-packet one-way delay: 15.682 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 2.39 Mbit/s
95th percentile per-packet one-way delay: 15.682 ms
Loss rate: 0.06%

Run 6: Report of WebRTC media — Data Link

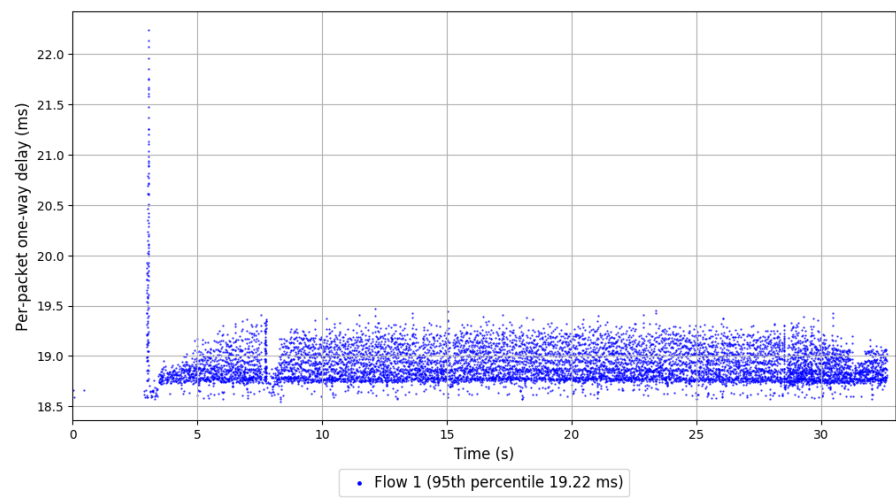
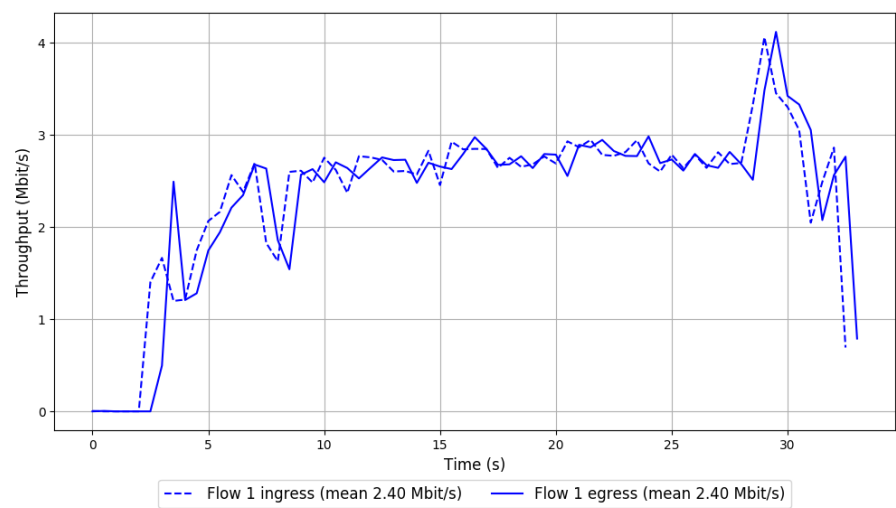


Run 7: Statistics of WebRTC media

Start at: 2018-08-09 19:21:31
End at: 2018-08-09 19:22:01
Local clock offset: -3.517 ms
Remote clock offset: -19.834 ms

Below is generated by plot.py at 2018-08-09 21:03:52
Datalink statistics
-- Total of 1 flow:
Average throughput: 2.40 Mbit/s
95th percentile per-packet one-way delay: 19.216 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.40 Mbit/s
95th percentile per-packet one-way delay: 19.216 ms
Loss rate: 0.00%

Run 7: Report of WebRTC media — Data Link

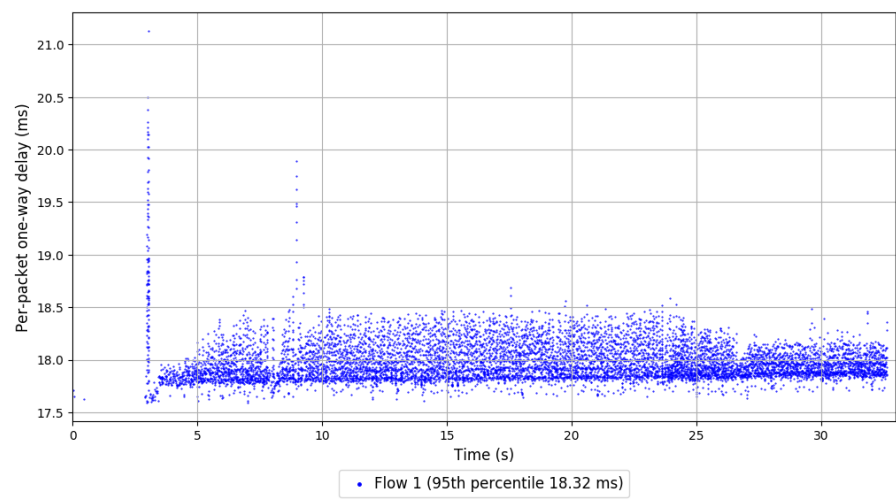
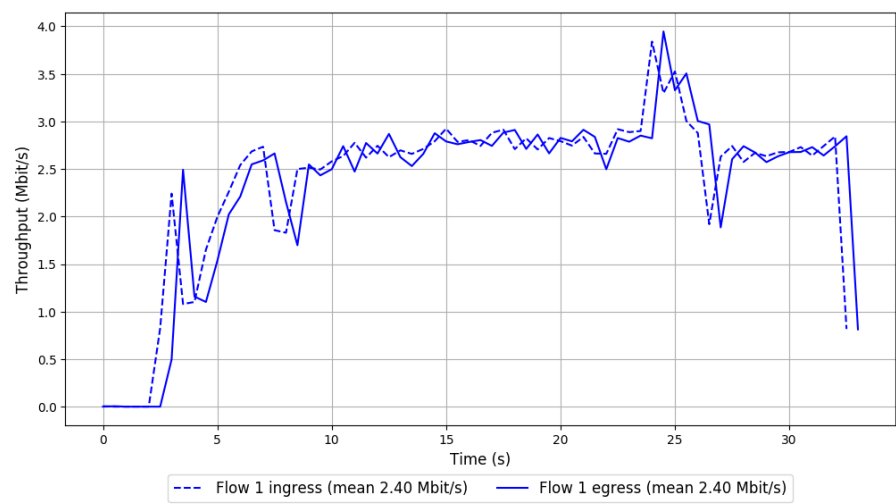


Run 8: Statistics of WebRTC media

Start at: 2018-08-09 19:41:15
End at: 2018-08-09 19:41:45
Local clock offset: 0.205 ms
Remote clock offset: -13.861 ms

Below is generated by plot.py at 2018-08-09 21:03:52
Datalink statistics
-- Total of 1 flow:
Average throughput: 2.40 Mbit/s
95th percentile per-packet one-way delay: 18.318 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 2.40 Mbit/s
95th percentile per-packet one-way delay: 18.318 ms
Loss rate: 0.06%

Run 8: Report of WebRTC media — Data Link

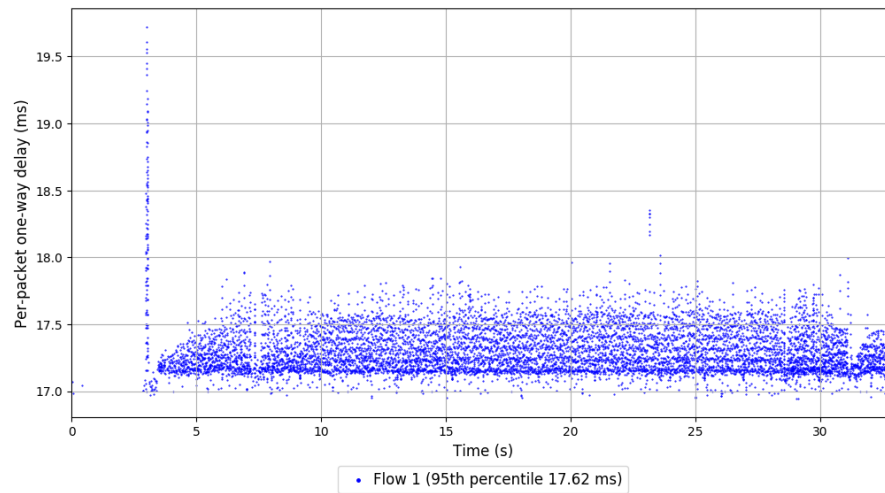
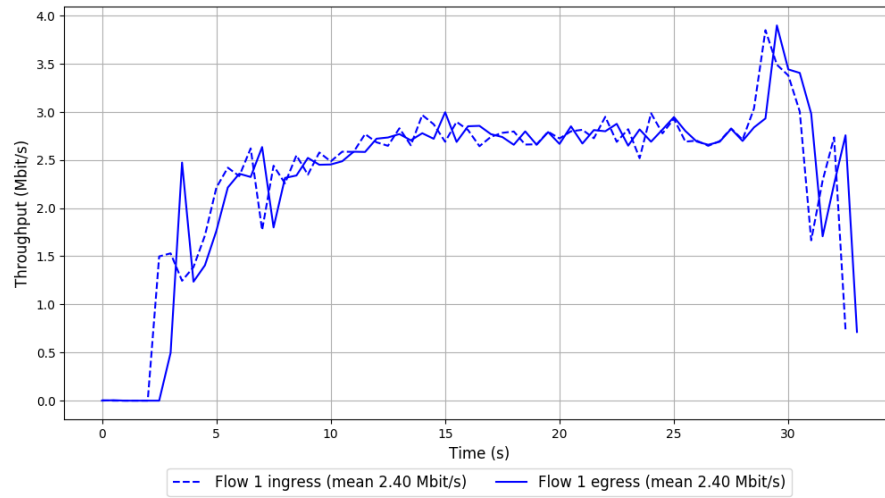


Run 9: Statistics of WebRTC media

Start at: 2018-08-09 20:01:02
End at: 2018-08-09 20:01:32
Local clock offset: 0.983 ms
Remote clock offset: -13.464 ms

Below is generated by plot.py at 2018-08-09 21:03:52
Datalink statistics
-- Total of 1 flow:
Average throughput: 2.40 Mbit/s
95th percentile per-packet one-way delay: 17.616 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 2.40 Mbit/s
95th percentile per-packet one-way delay: 17.616 ms
Loss rate: 0.06%

Run 9: Report of WebRTC media — Data Link



Run 10: Statistics of WebRTC media

Start at: 2018-08-09 20:20:55

End at: 2018-08-09 20:21:25

Local clock offset: 4.061 ms

Remote clock offset: -12.373 ms

Below is generated by plot.py at 2018-08-09 21:03:52

Datalink statistics

-- Total of 1 flow:

Average throughput: 2.42 Mbit/s

95th percentile per-packet one-way delay: 19.743 ms

Loss rate: 0.06%

-- Flow 1:

Average throughput: 2.42 Mbit/s

95th percentile per-packet one-way delay: 19.743 ms

Loss rate: 0.06%

Run 10: Report of WebRTC media — Data Link

