

Pantheon Report

Generated at 2018-08-22 14:42:50 (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.

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

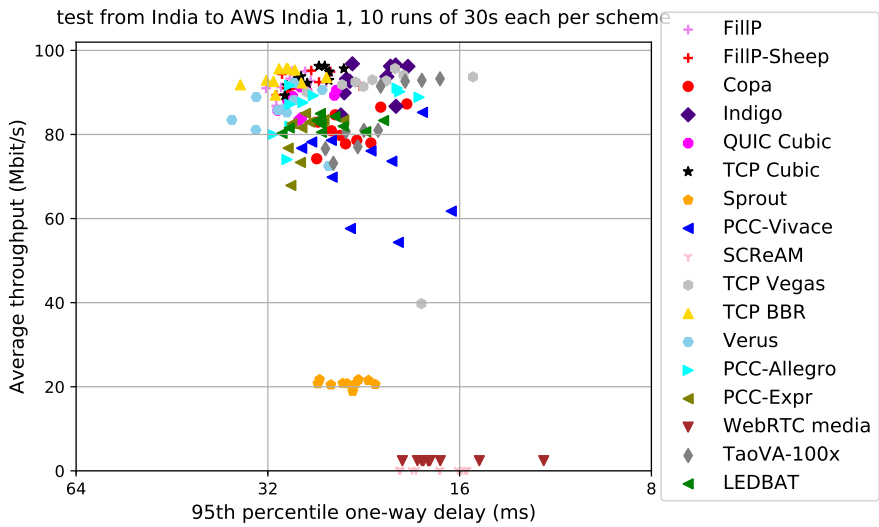
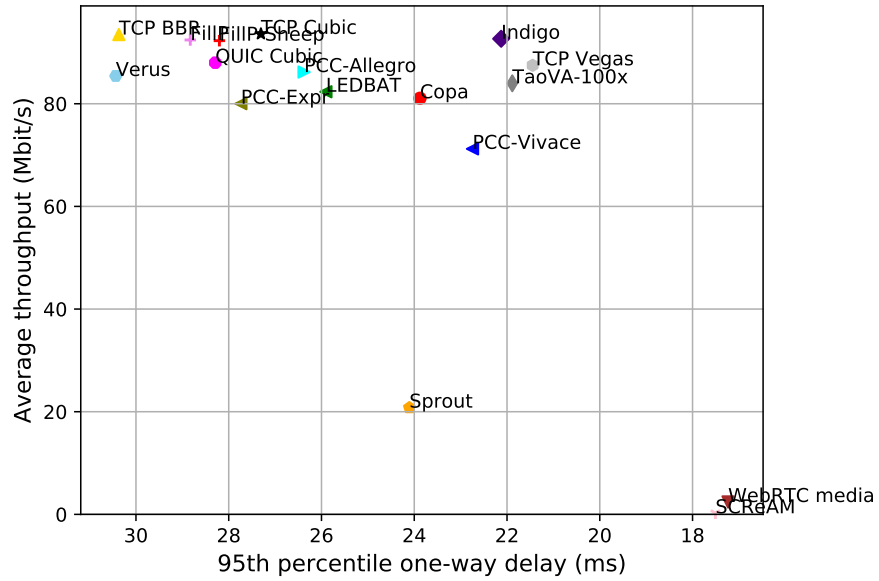
System info:

```
Linux 4.15.0-1017-aws
net.core.default_qdisc = fq_codel
net.core.rmem_default = 16777216
net.core.rmem_max = 33554432
net.core.wmem_default = 212992
net.core.wmem_max = 212992
net.ipv4.tcp_rmem = 4096 87380 6291456
net.ipv4.tcp_wmem = 4096 16384 4194304
```

Git summary:

```
branch: master @ 7719b900495aa706f8452ab7d4a94dd562e9296e
third_party/fillp @ d47f4fa1b454a5e3c0537115c5a28436dbd4b834
third_party/fillp-sheep @ daed0c84f98531712514b2231f43ec6901114ffe
third_party/genericCC @ d0153f8e594aa89e93b032143cedbdfef58e562f4
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-quic @ 77961f1a82733a86b42f1bc8143ebc978f3cff42
third_party/scream-reproduce @ f099118d1421aa3131bf11ff1964974e1da3bdb2
M src/ScreamClient
M src/ScreamServer
third_party/sprout @ 366e35c6178b01e31d4a46ad18c74f9415f19a26
third_party/verus @ d4b447ea74c6c60a261149af2629562939f9a494
M src/verus.hpp
M tools/plot.py
third_party/vivace @ 2baf86211435ae071a32f96b7d8c504587f5d7f4
third_party/webrtc @ 3f0cc2a9061a41b6f9dde4735770d143a1fa2851
```

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



scheme	# runs	mean avg tput (Mbit/s) flow 1	mean 95th-%ile delay (ms) flow 1	mean loss rate (%) flow 1
TCP BBR	10	93.48	30.37	3.54
Copa	10	81.07	23.88	0.09
TCP Cubic	10	93.61	27.31	0.09
FillP	10	92.43	28.83	0.11
FillP-Sheep	10	92.29	28.20	0.12
Indigo	10	92.66	22.13	0.08
LEDBAT	10	82.34	25.91	0.12
PCC-Allegro	10	86.17	26.38	0.21
PCC-Expr	10	80.02	27.74	0.13
QUIC Cubic	10	88.00	28.29	0.12
SCReAM	10	0.21	17.51	0.10
Sprout	10	20.79	24.11	0.09
TaoVA-100x	10	83.98	21.89	0.11
TCP Vegas	10	87.49	21.45	0.09
Verus	10	85.41	30.44	0.23
PCC-Vivace	10	71.21	22.74	0.20
WebRTC media	10	2.41	17.23	0.07

Run 1: Statistics of TCP BBR

Start at: 2018-08-22 11:01:01

End at: 2018-08-22 11:01:31

Local clock offset: 0.431 ms

Remote clock offset: -61.775 ms

Below is generated by plot.py at 2018-08-22 14:21:41

Datalink statistics

-- Total of 1 flow:

Average throughput: 95.65 Mbit/s

95th percentile per-packet one-way delay: 29.768 ms

Loss rate: 3.72%

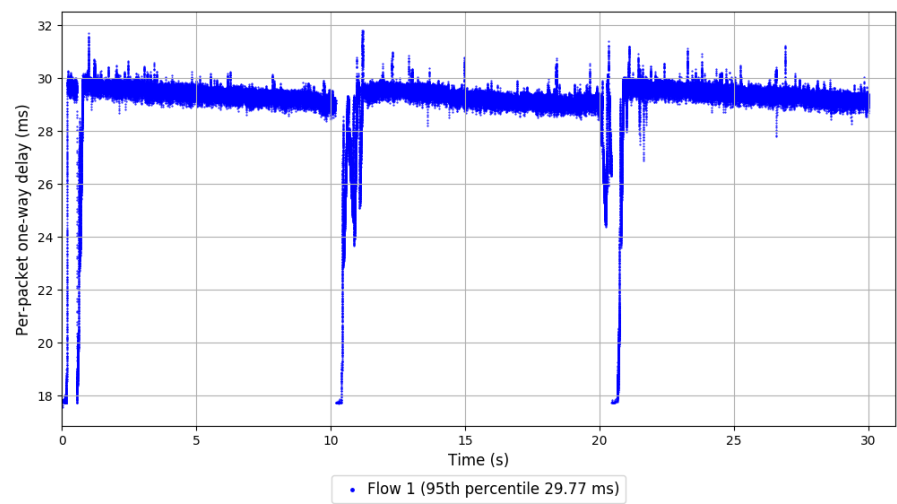
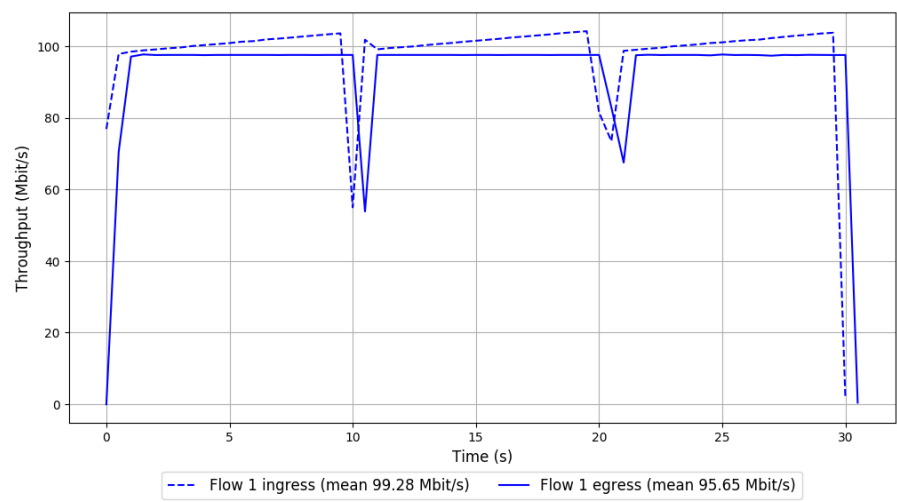
-- Flow 1:

Average throughput: 95.65 Mbit/s

95th percentile per-packet one-way delay: 29.768 ms

Loss rate: 3.72%

Run 1: Report of TCP BBR — Data Link

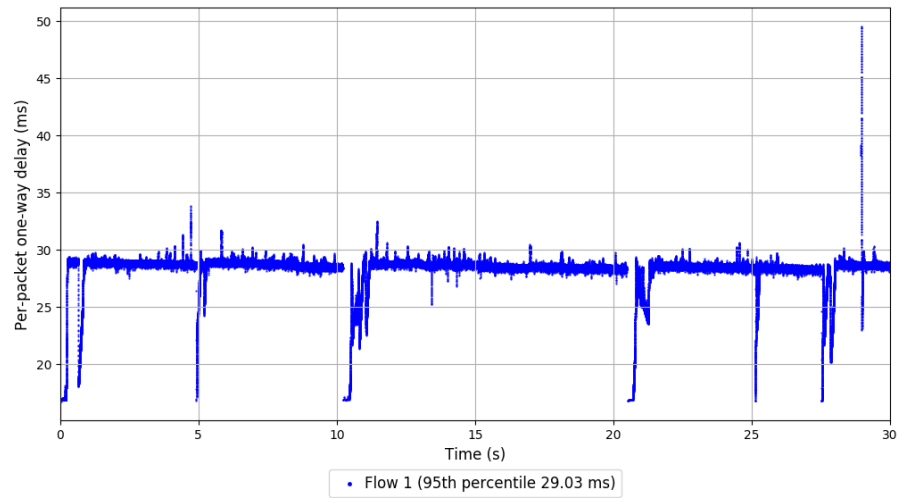
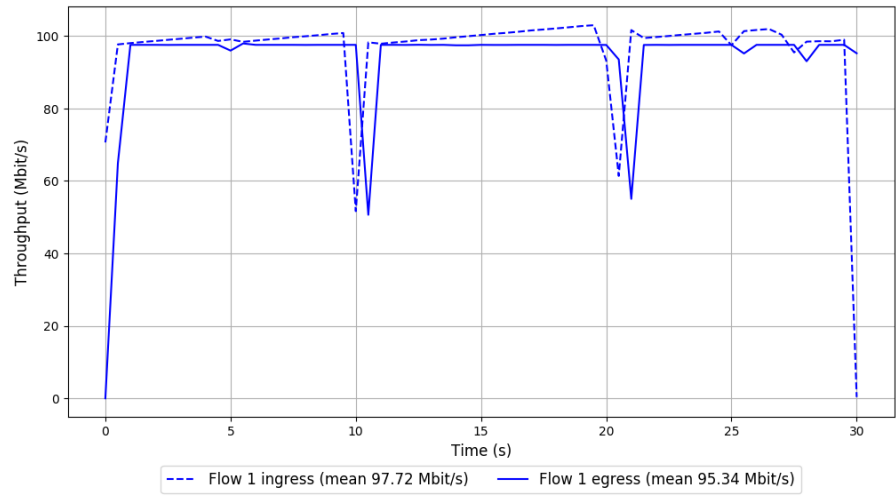


Run 2: Statistics of TCP BBR

Start at: 2018-08-22 11:21:48
End at: 2018-08-22 11:22:18
Local clock offset: 0.671 ms
Remote clock offset: -62.295 ms

Below is generated by plot.py at 2018-08-22 14:21:41
Datalink statistics
-- Total of 1 flow:
Average throughput: 95.34 Mbit/s
95th percentile per-packet one-way delay: 29.029 ms
Loss rate: 2.53%
-- Flow 1:
Average throughput: 95.34 Mbit/s
95th percentile per-packet one-way delay: 29.029 ms
Loss rate: 2.53%

Run 2: Report of TCP BBR — Data Link

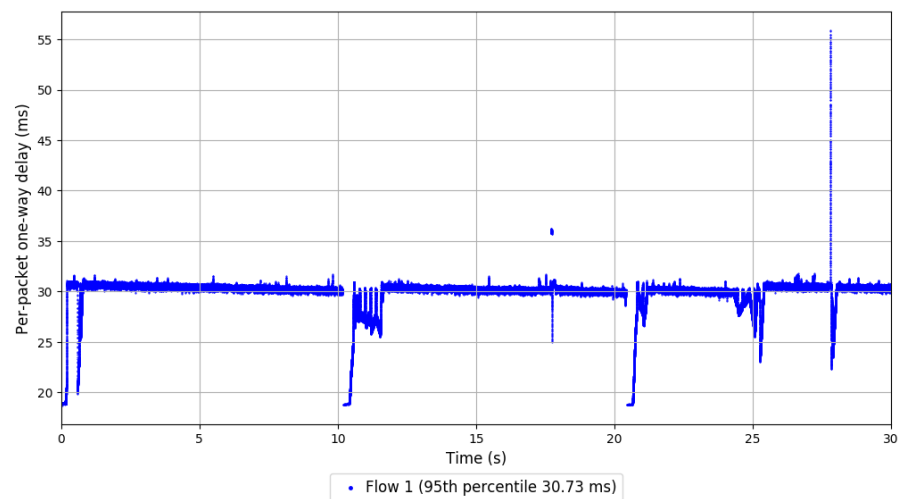
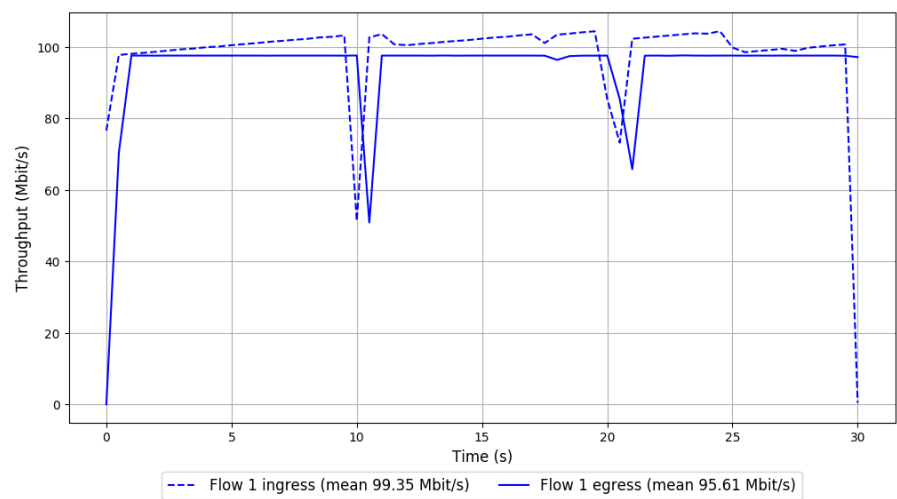


Run 3: Statistics of TCP BBR

Start at: 2018-08-22 11:42:06
End at: 2018-08-22 11:42:36
Local clock offset: 2.875 ms
Remote clock offset: -64.315 ms

Below is generated by plot.py at 2018-08-22 14:21:41
Datalink statistics
-- Total of 1 flow:
Average throughput: 95.61 Mbit/s
95th percentile per-packet one-way delay: 30.728 ms
Loss rate: 3.84%
-- Flow 1:
Average throughput: 95.61 Mbit/s
95th percentile per-packet one-way delay: 30.728 ms
Loss rate: 3.84%

Run 3: Report of TCP BBR — Data Link

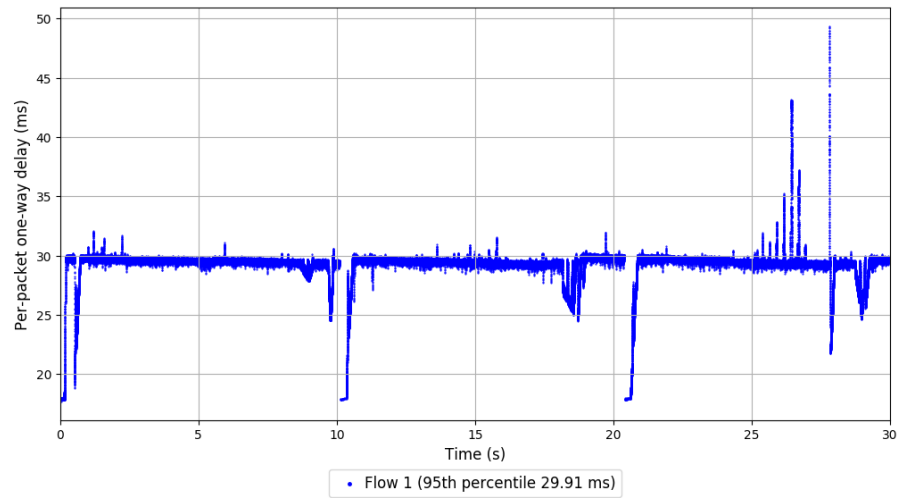
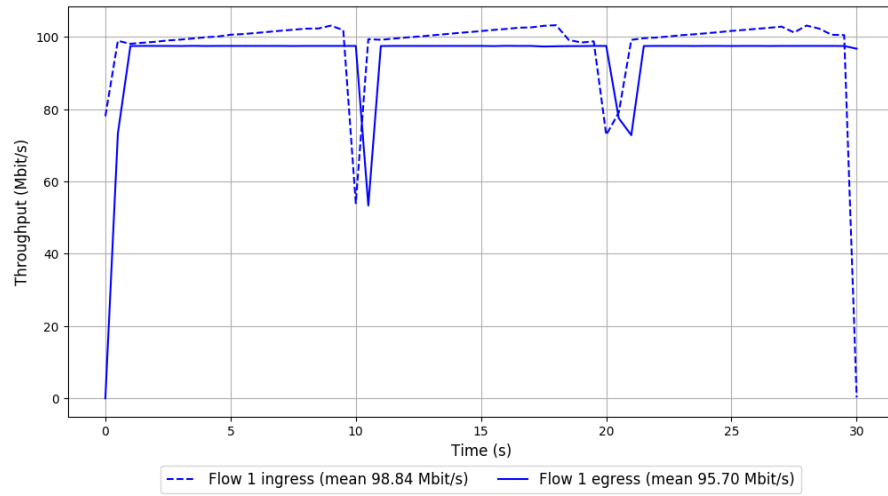


Run 4: Statistics of TCP BBR

Start at: 2018-08-22 12:01:44
End at: 2018-08-22 12:02:14
Local clock offset: 2.568 ms
Remote clock offset: -62.252 ms

Below is generated by plot.py at 2018-08-22 14:21:42
Datalink statistics
-- Total of 1 flow:
Average throughput: 95.70 Mbit/s
95th percentile per-packet one-way delay: 29.909 ms
Loss rate: 3.27%
-- Flow 1:
Average throughput: 95.70 Mbit/s
95th percentile per-packet one-way delay: 29.909 ms
Loss rate: 3.27%

Run 4: Report of TCP BBR — Data Link

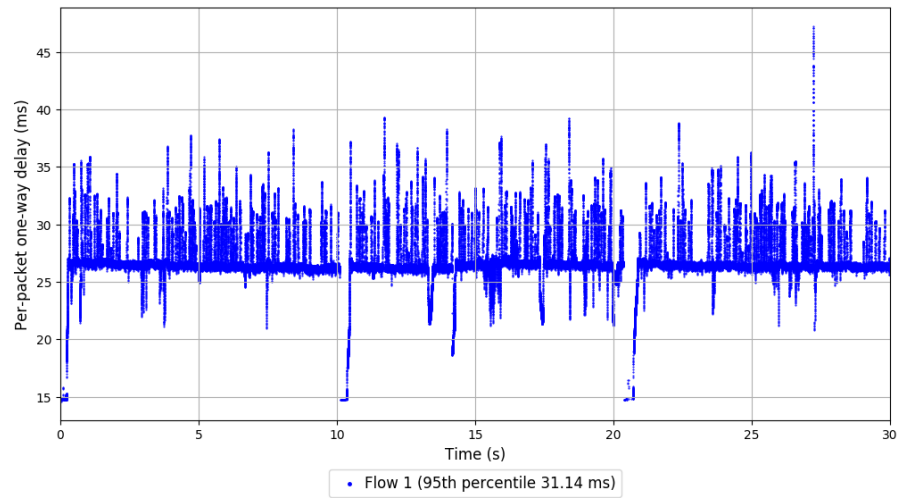
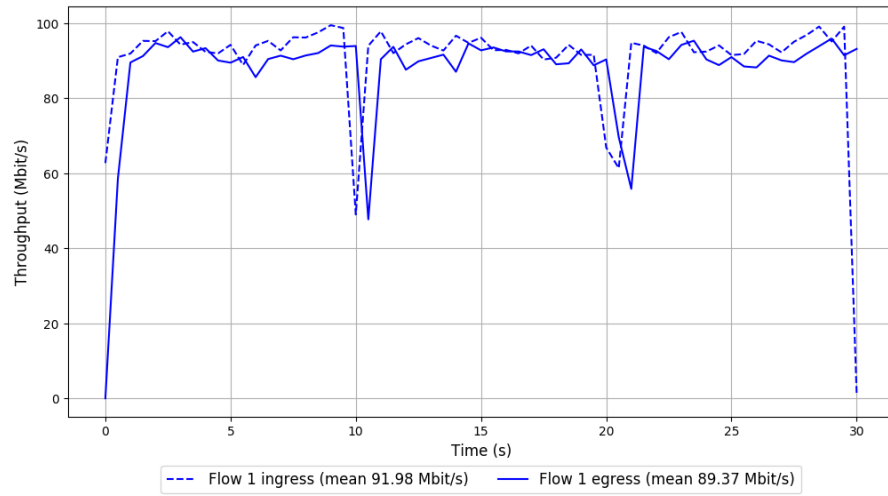


Run 5: Statistics of TCP BBR

Start at: 2018-08-22 12:21:11
End at: 2018-08-22 12:21:41
Local clock offset: -1.827 ms
Remote clock offset: -62.499 ms

Below is generated by plot.py at 2018-08-22 14:21:42
Datalink statistics
-- Total of 1 flow:
Average throughput: 89.37 Mbit/s
95th percentile per-packet one-way delay: 31.143 ms
Loss rate: 2.96%
-- Flow 1:
Average throughput: 89.37 Mbit/s
95th percentile per-packet one-way delay: 31.143 ms
Loss rate: 2.96%

Run 5: Report of TCP BBR — Data Link

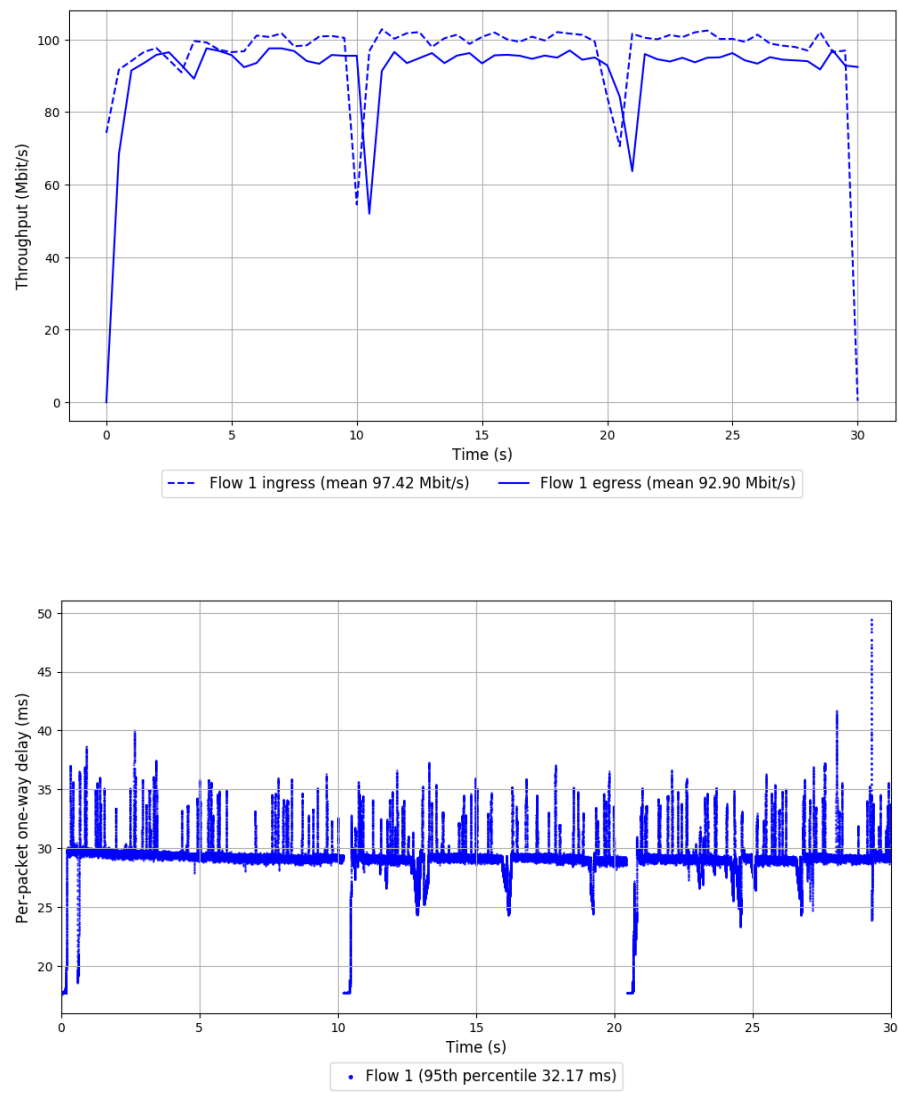


Run 6: Statistics of TCP BBR

Start at: 2018-08-22 12:40:33
End at: 2018-08-22 12:41:03
Local clock offset: 0.89 ms
Remote clock offset: -62.125 ms

Below is generated by plot.py at 2018-08-22 14:21:42
Datalink statistics
-- Total of 1 flow:
Average throughput: 92.90 Mbit/s
95th percentile per-packet one-way delay: 32.167 ms
Loss rate: 4.71%
-- Flow 1:
Average throughput: 92.90 Mbit/s
95th percentile per-packet one-way delay: 32.167 ms
Loss rate: 4.71%

Run 6: Report of TCP BBR — Data Link

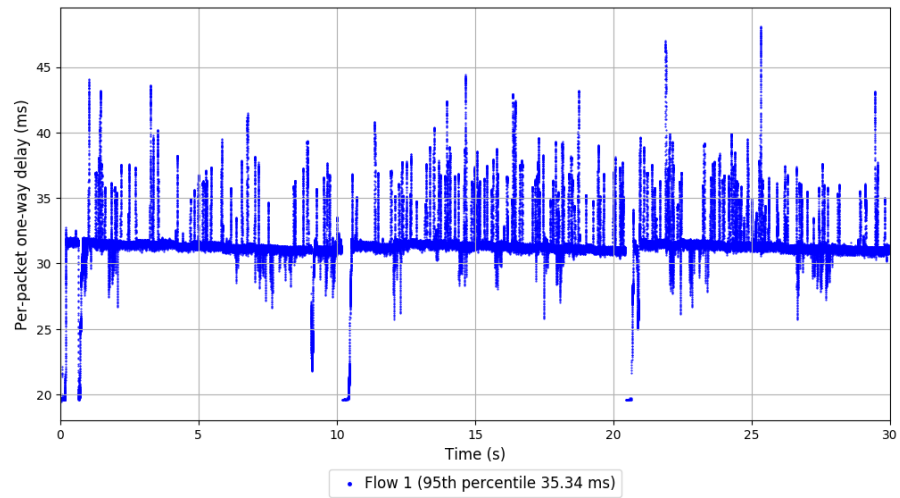
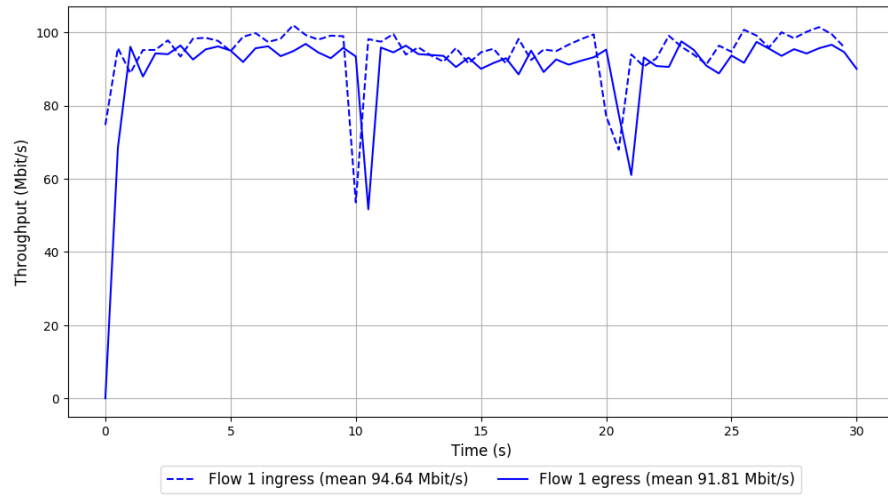


Run 7: Statistics of TCP BBR

Start at: 2018-08-22 12:59:53
End at: 2018-08-22 13:00:23
Local clock offset: 2.641 ms
Remote clock offset: -62.068 ms

Below is generated by plot.py at 2018-08-22 14:21:42
Datalink statistics
-- Total of 1 flow:
Average throughput: 91.81 Mbit/s
95th percentile per-packet one-way delay: 35.337 ms
Loss rate: 3.07%
-- Flow 1:
Average throughput: 91.81 Mbit/s
95th percentile per-packet one-way delay: 35.337 ms
Loss rate: 3.07%

Run 7: Report of TCP BBR — Data Link

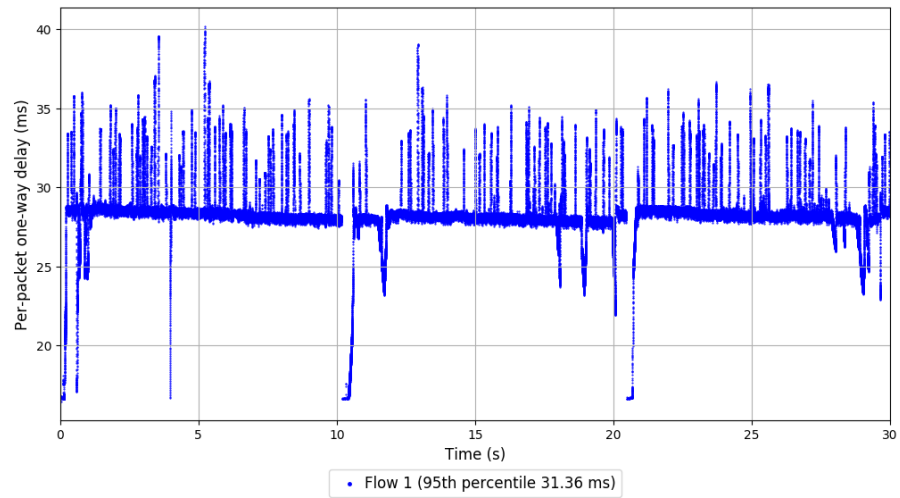
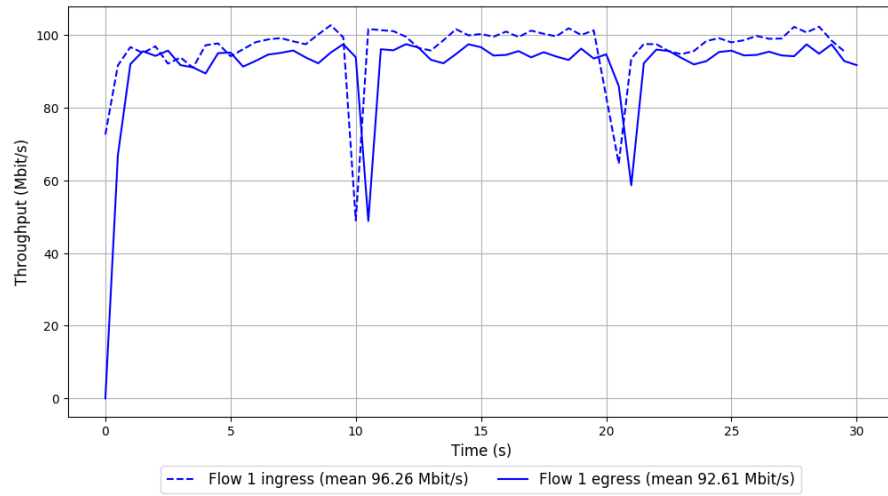


Run 8: Statistics of TCP BBR

Start at: 2018-08-22 13:19:19
End at: 2018-08-22 13:19:49
Local clock offset: -0.009 ms
Remote clock offset: -61.869 ms

Below is generated by plot.py at 2018-08-22 14:21:42
Datalink statistics
-- Total of 1 flow:
Average throughput: 92.61 Mbit/s
95th percentile per-packet one-way delay: 31.356 ms
Loss rate: 3.86%
-- Flow 1:
Average throughput: 92.61 Mbit/s
95th percentile per-packet one-way delay: 31.356 ms
Loss rate: 3.86%

Run 8: Report of TCP BBR — Data Link

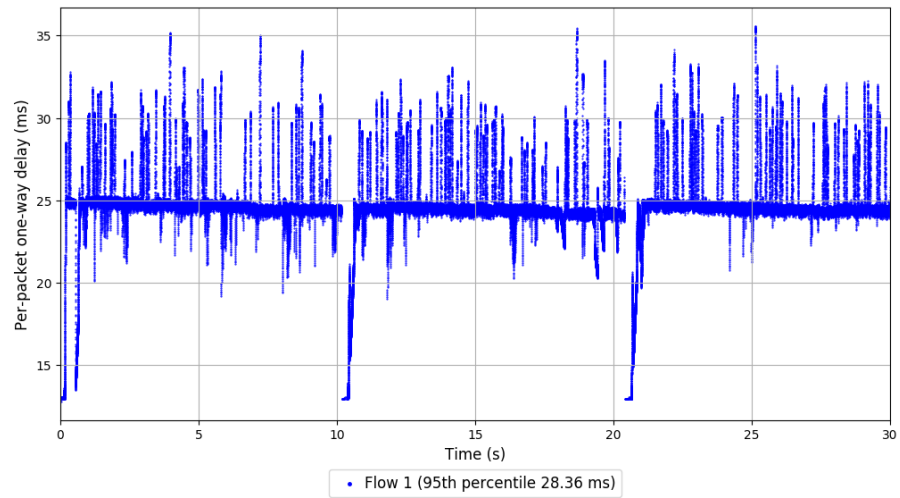
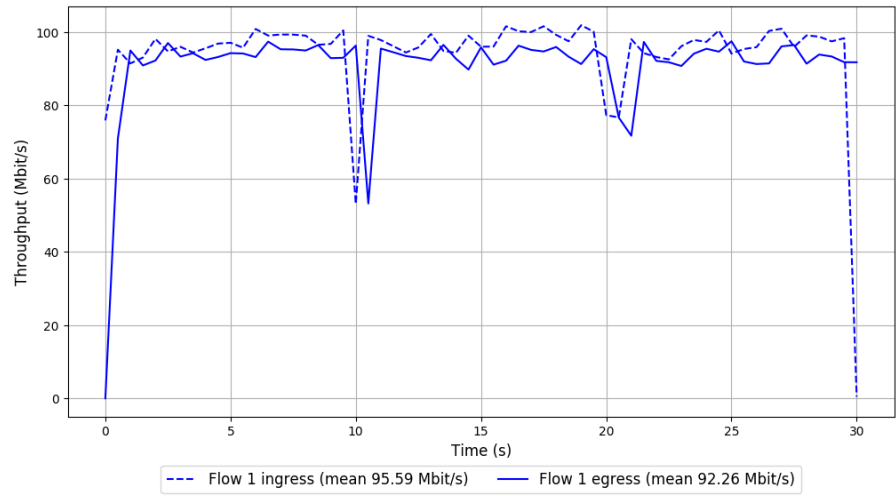


Run 9: Statistics of TCP BBR

Start at: 2018-08-22 13:38:52
End at: 2018-08-22 13:39:22
Local clock offset: -2.82 ms
Remote clock offset: -59.582 ms

Below is generated by plot.py at 2018-08-22 14:22:30
Datalink statistics
-- Total of 1 flow:
Average throughput: 92.26 Mbit/s
95th percentile per-packet one-way delay: 28.357 ms
Loss rate: 3.58%
-- Flow 1:
Average throughput: 92.26 Mbit/s
95th percentile per-packet one-way delay: 28.357 ms
Loss rate: 3.58%

Run 9: Report of TCP BBR — Data Link

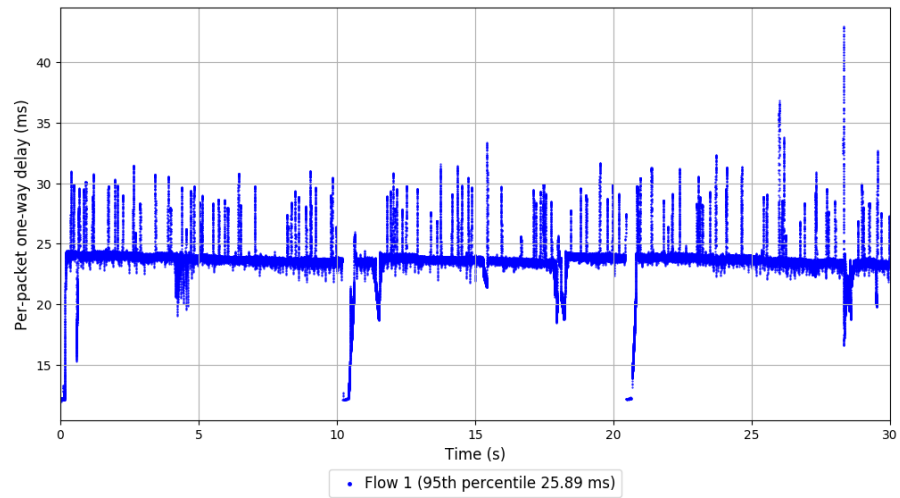
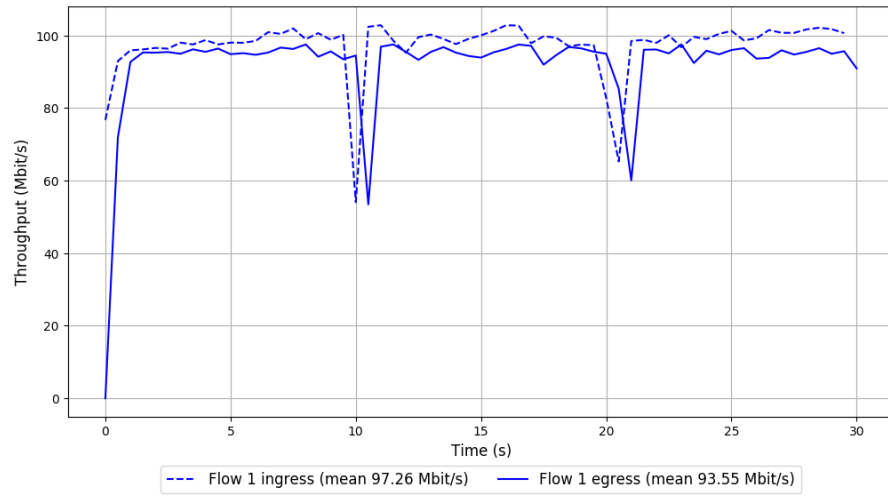


Run 10: Statistics of TCP BBR

Start at: 2018-08-22 13:58:23
End at: 2018-08-22 13:58:53
Local clock offset: -2.725 ms
Remote clock offset: -58.543 ms

Below is generated by plot.py at 2018-08-22 14:22:32
Datalink statistics
-- Total of 1 flow:
Average throughput: 93.55 Mbit/s
95th percentile per-packet one-way delay: 25.889 ms
Loss rate: 3.88%
-- Flow 1:
Average throughput: 93.55 Mbit/s
95th percentile per-packet one-way delay: 25.889 ms
Loss rate: 3.88%

Run 10: Report of TCP BBR — Data Link

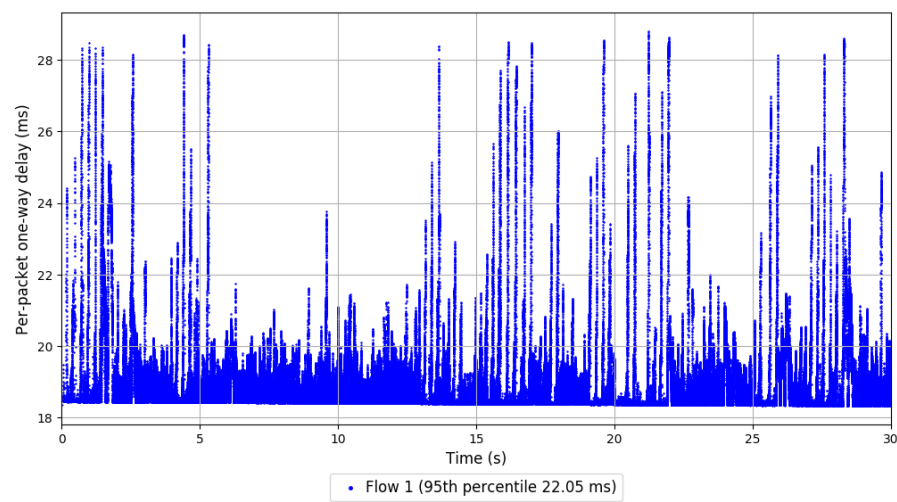
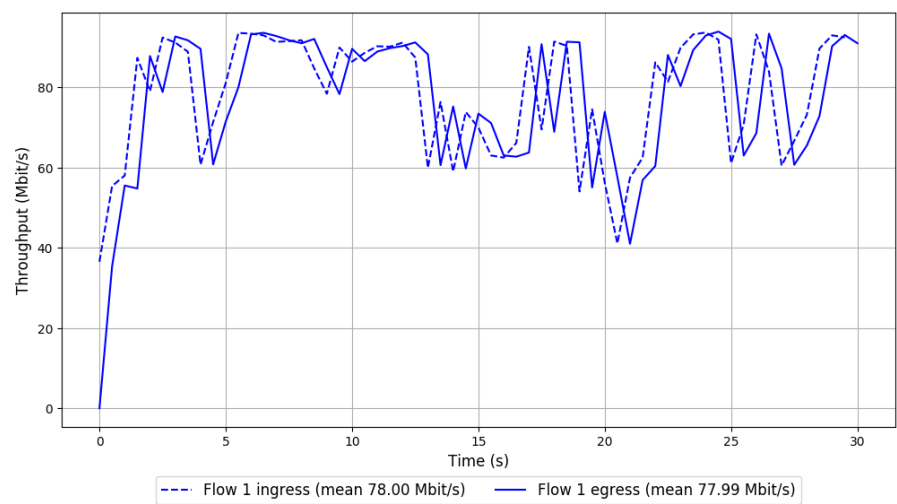


Run 1: Statistics of Copa

Start at: 2018-08-22 11:16:45
End at: 2018-08-22 11:17:15
Local clock offset: 2.396 ms
Remote clock offset: -61.179 ms

Below is generated by plot.py at 2018-08-22 14:23:15
Datalink statistics
-- Total of 1 flow:
Average throughput: 77.99 Mbit/s
95th percentile per-packet one-way delay: 22.052 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 77.99 Mbit/s
95th percentile per-packet one-way delay: 22.052 ms
Loss rate: 0.10%

Run 1: Report of Copa — Data Link

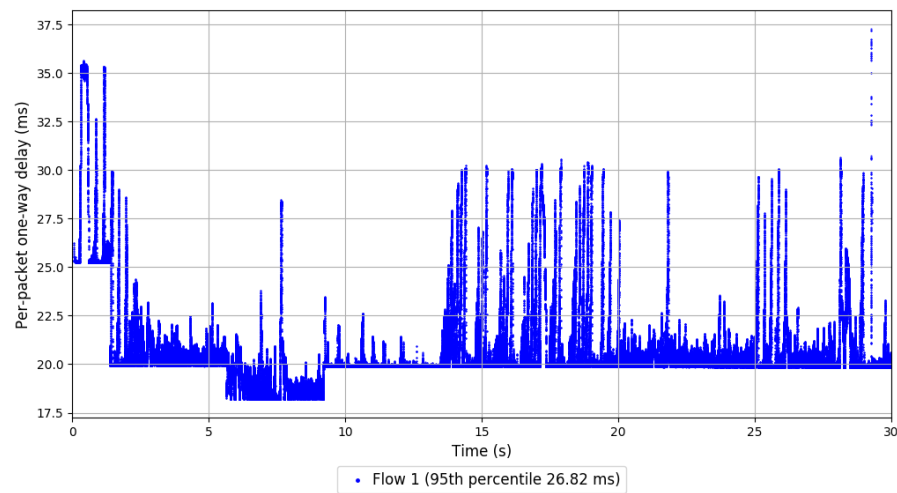
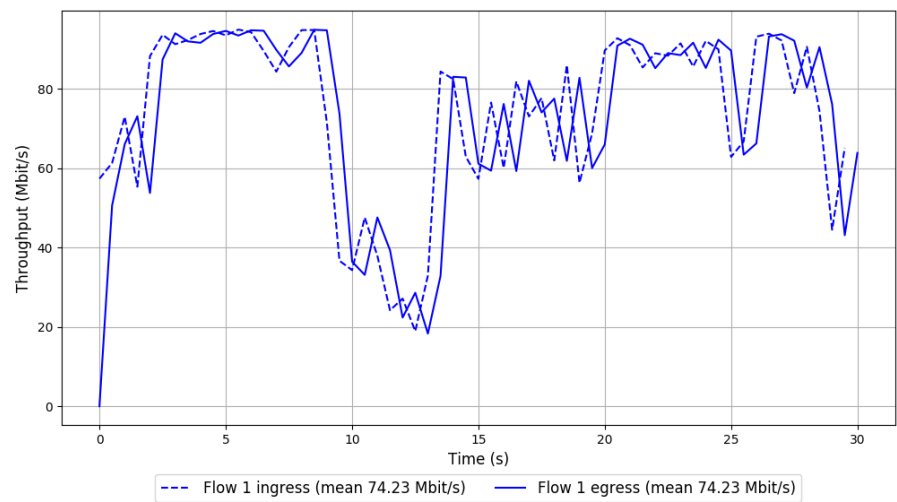


Run 2: Statistics of Copa

Start at: 2018-08-22 11:37:18
End at: 2018-08-22 11:37:48
Local clock offset: 1.217 ms
Remote clock offset: -64.684 ms

Below is generated by plot.py at 2018-08-22 14:23:15
Datalink statistics
-- Total of 1 flow:
Average throughput: 74.23 Mbit/s
95th percentile per-packet one-way delay: 26.824 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 74.23 Mbit/s
95th percentile per-packet one-way delay: 26.824 ms
Loss rate: 0.10%

Run 2: Report of Copa — Data Link

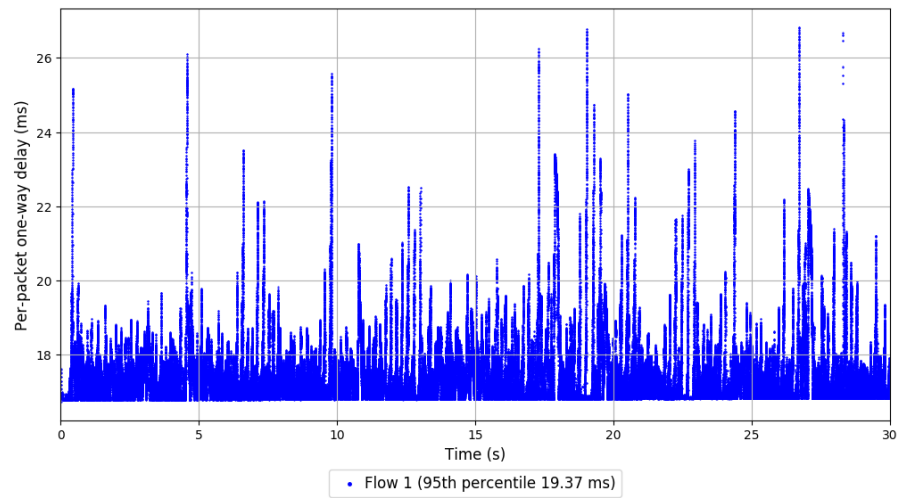
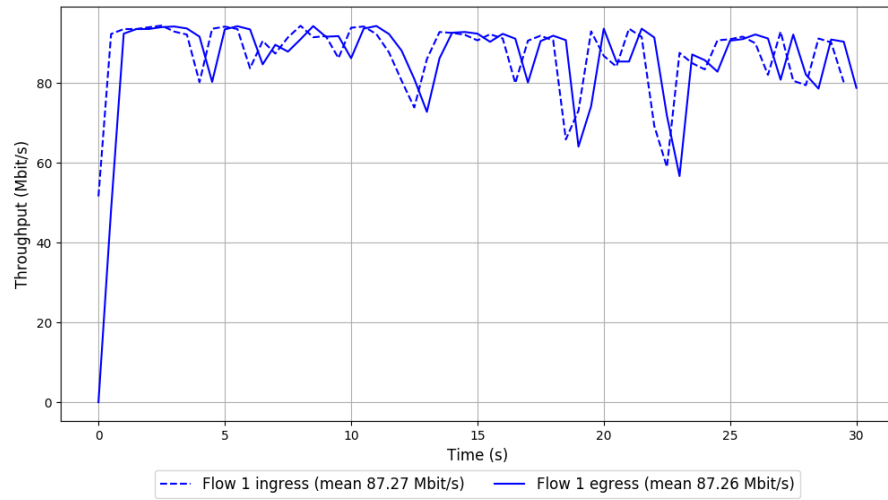


Run 3: Statistics of Copa

Start at: 2018-08-22 11:57:02
End at: 2018-08-22 11:57:32
Local clock offset: 1.449 ms
Remote clock offset: -62.617 ms

Below is generated by plot.py at 2018-08-22 14:23:28
Datalink statistics
-- Total of 1 flow:
Average throughput: 87.26 Mbit/s
95th percentile per-packet one-way delay: 19.368 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 87.26 Mbit/s
95th percentile per-packet one-way delay: 19.368 ms
Loss rate: 0.08%

Run 3: Report of Copa — Data Link

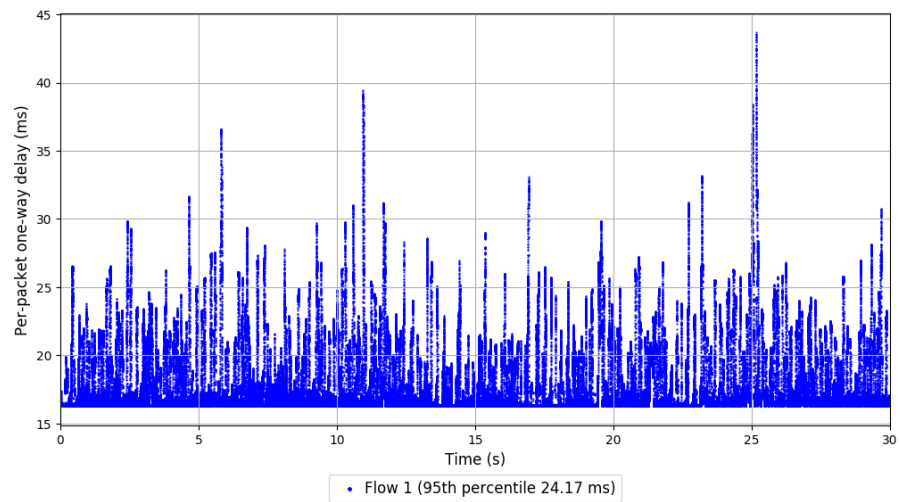
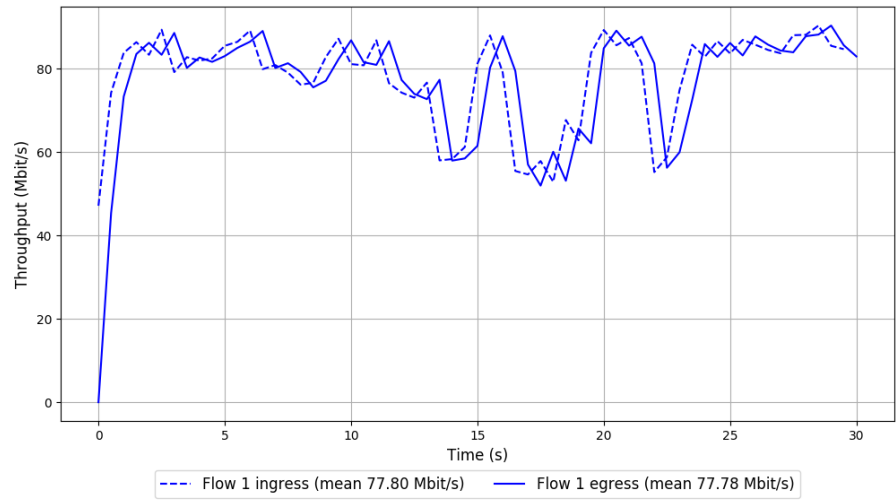


Run 4: Statistics of Copa

Start at: 2018-08-22 12:16:27
End at: 2018-08-22 12:16:57
Local clock offset: 0.095 ms
Remote clock offset: -62.324 ms

Below is generated by plot.py at 2018-08-22 14:23:28
Datalink statistics
-- Total of 1 flow:
Average throughput: 77.78 Mbit/s
95th percentile per-packet one-way delay: 24.166 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 77.78 Mbit/s
95th percentile per-packet one-way delay: 24.166 ms
Loss rate: 0.10%

Run 4: Report of Copa — Data Link

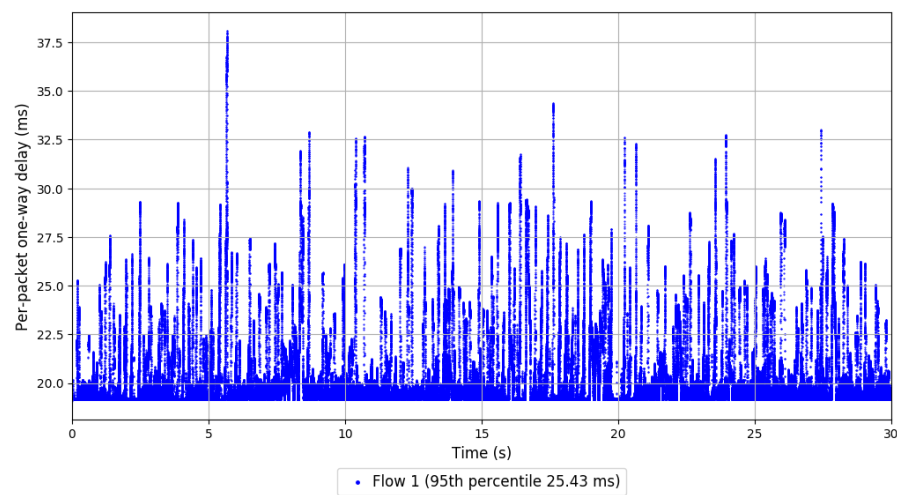
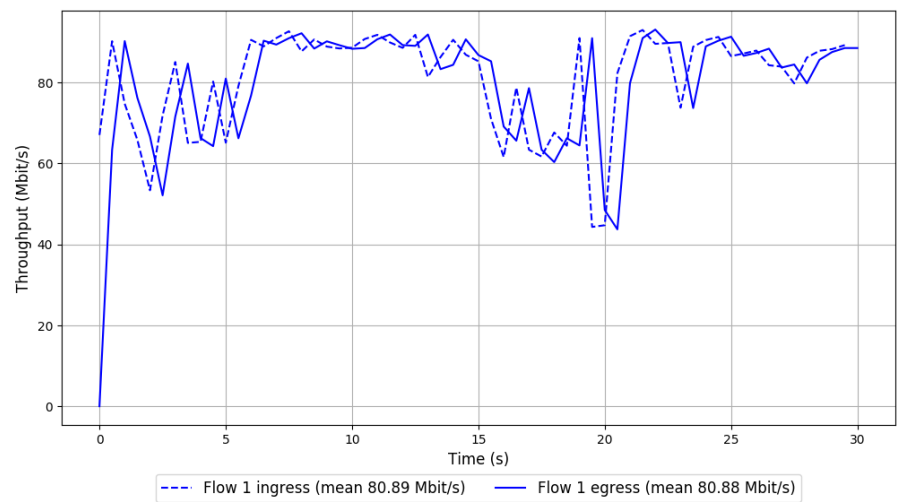


Run 5: Statistics of Copa

Start at: 2018-08-22 12:35:51
End at: 2018-08-22 12:36:21
Local clock offset: 3.408 ms
Remote clock offset: -61.194 ms

Below is generated by plot.py at 2018-08-22 14:23:28
Datalink statistics
-- Total of 1 flow:
Average throughput: 80.88 Mbit/s
95th percentile per-packet one-way delay: 25.432 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 80.88 Mbit/s
95th percentile per-packet one-way delay: 25.432 ms
Loss rate: 0.09%

Run 5: Report of Copa — Data Link

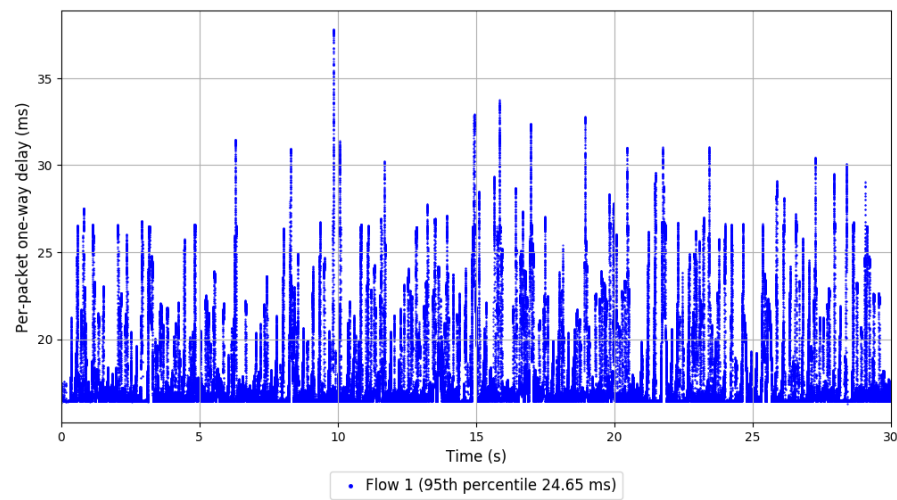
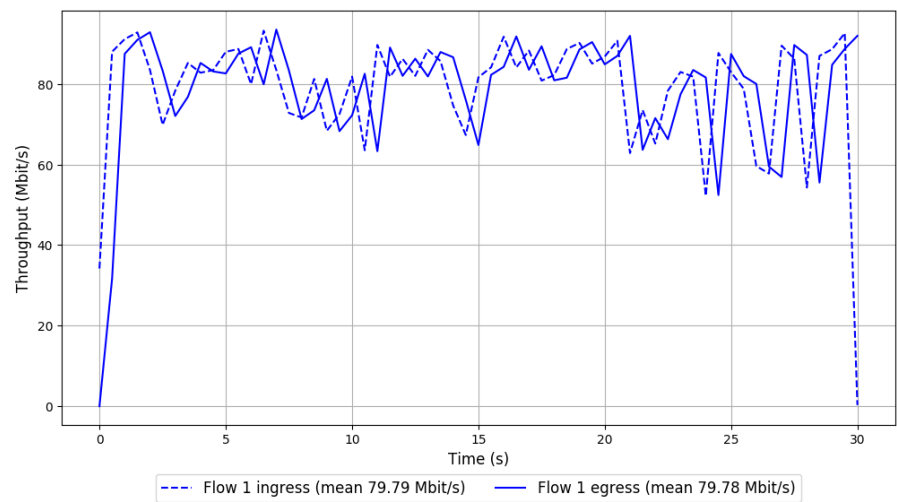


Run 6: Statistics of Copa

Start at: 2018-08-22 12:55:18
End at: 2018-08-22 12:55:48
Local clock offset: 1.23 ms
Remote clock offset: -59.896 ms

Below is generated by plot.py at 2018-08-22 14:23:28
Datalink statistics
-- Total of 1 flow:
Average throughput: 79.78 Mbit/s
95th percentile per-packet one-way delay: 24.650 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 79.78 Mbit/s
95th percentile per-packet one-way delay: 24.650 ms
Loss rate: 0.09%

Run 6: Report of Copa — Data Link

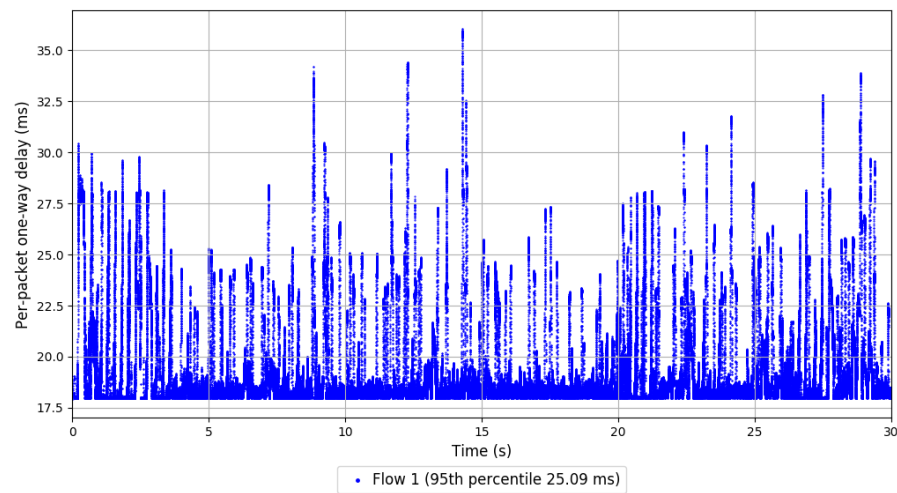
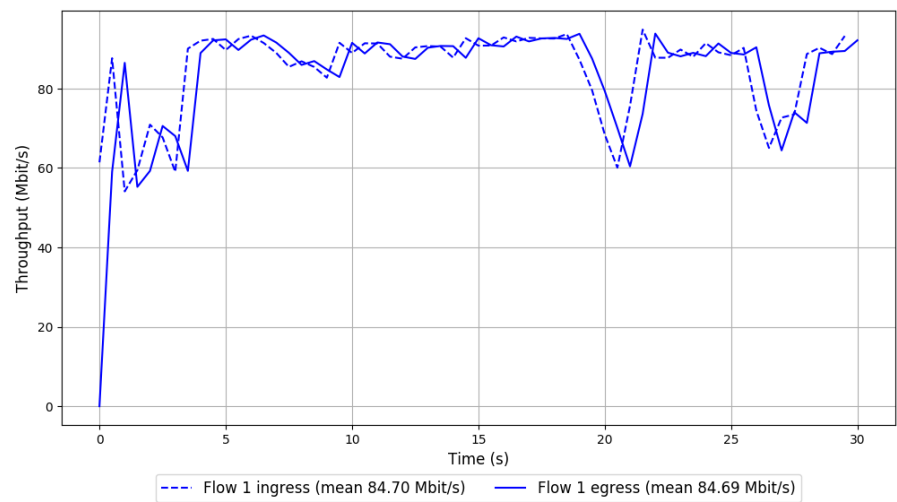


Run 7: Statistics of Copa

Start at: 2018-08-22 13:14:42
End at: 2018-08-22 13:15:12
Local clock offset: 0.696 ms
Remote clock offset: -62.61 ms

Below is generated by plot.py at 2018-08-22 14:24:31
Datalink statistics
-- Total of 1 flow:
Average throughput: 84.69 Mbit/s
95th percentile per-packet one-way delay: 25.092 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 84.69 Mbit/s
95th percentile per-packet one-way delay: 25.092 ms
Loss rate: 0.09%

Run 7: Report of Copa — Data Link

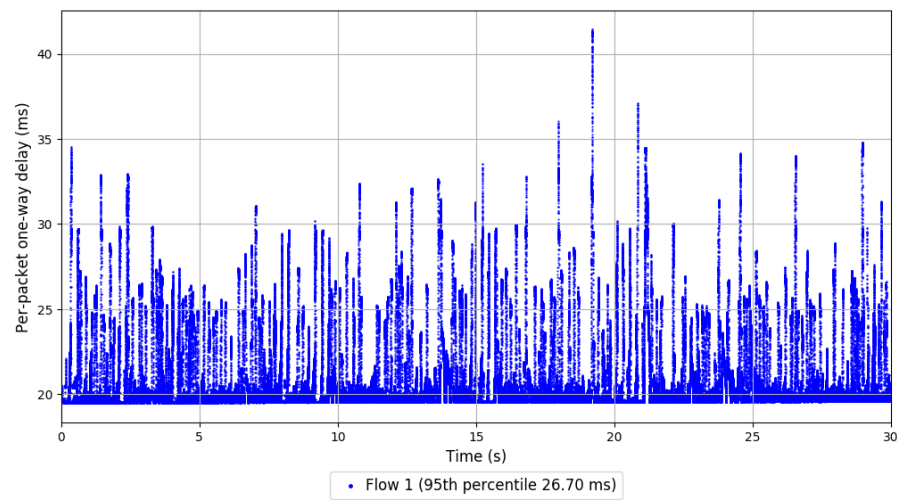
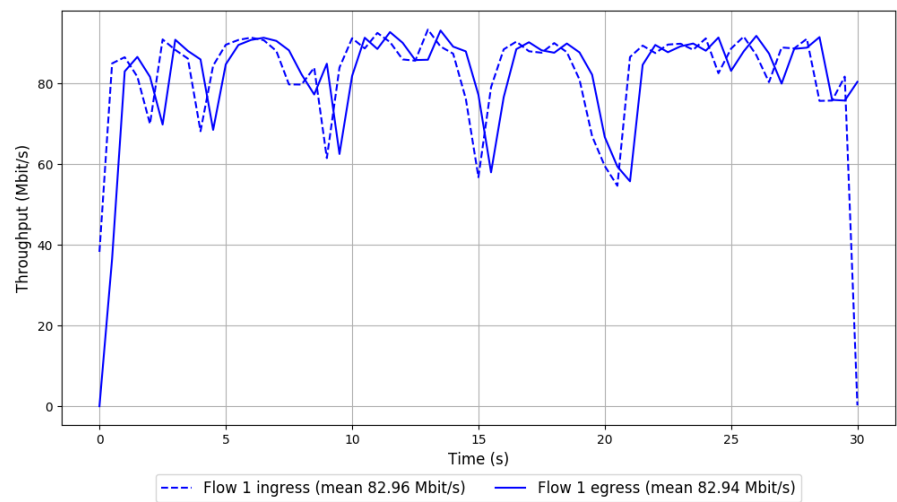


Run 8: Statistics of Copa

Start at: 2018-08-22 13:34:13
End at: 2018-08-22 13:34:43
Local clock offset: 2.368 ms
Remote clock offset: -61.317 ms

Below is generated by plot.py at 2018-08-22 14:24:31
Datalink statistics
-- Total of 1 flow:
Average throughput: 82.94 Mbit/s
95th percentile per-packet one-way delay: 26.705 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 82.94 Mbit/s
95th percentile per-packet one-way delay: 26.705 ms
Loss rate: 0.09%

Run 8: Report of Copa — Data Link

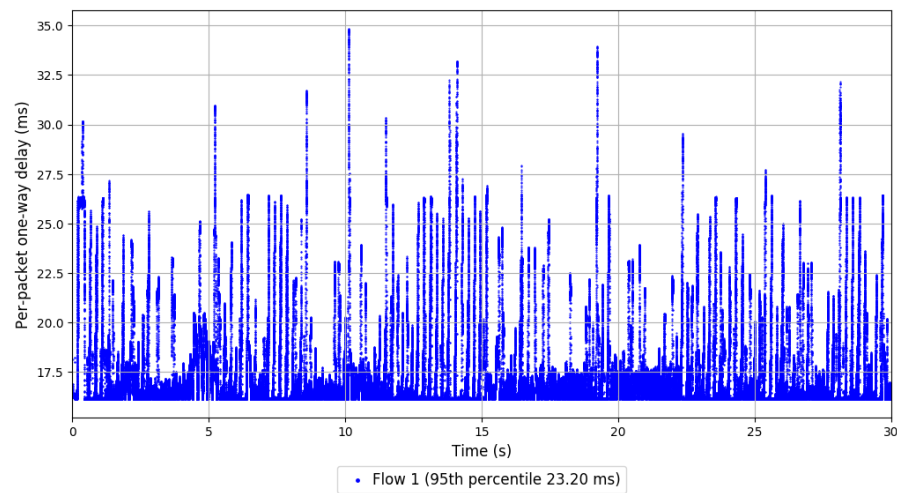
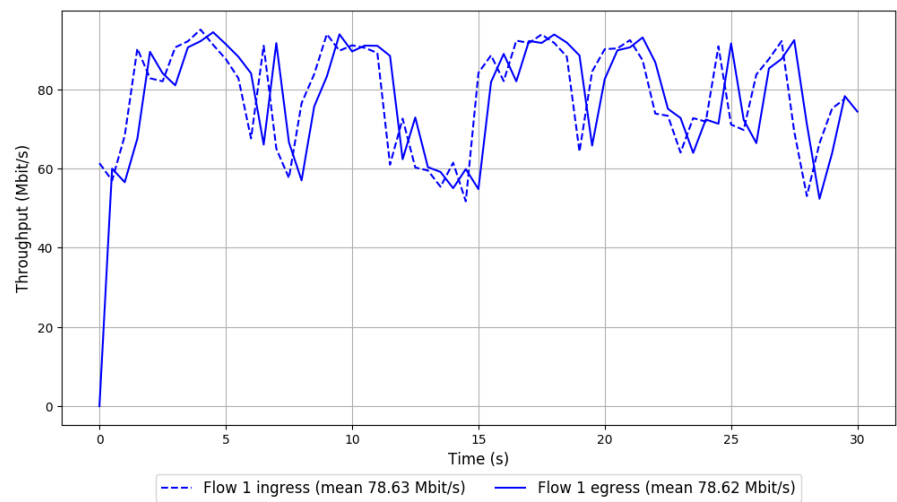


Run 9: Statistics of Copa

Start at: 2018-08-22 13:53:43
End at: 2018-08-22 13:54:13
Local clock offset: -0.265 ms
Remote clock offset: -60.187 ms

Below is generated by plot.py at 2018-08-22 14:24:52
Datalink statistics
-- Total of 1 flow:
Average throughput: 78.62 Mbit/s
95th percentile per-packet one-way delay: 23.205 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 78.62 Mbit/s
95th percentile per-packet one-way delay: 23.205 ms
Loss rate: 0.09%

Run 9: Report of Copa — Data Link

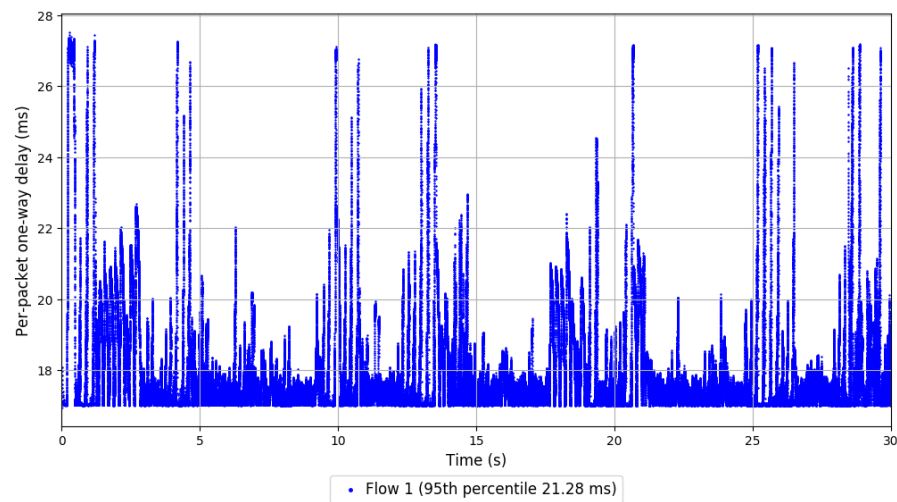
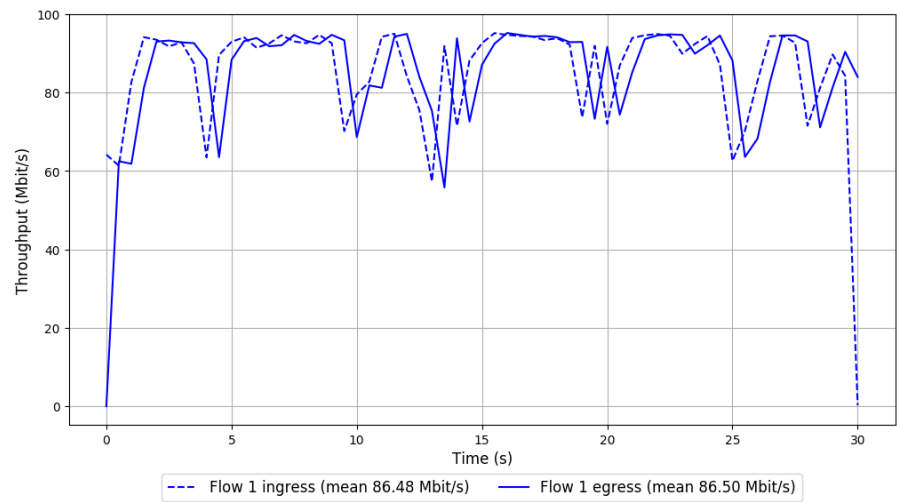


Run 10: Statistics of Copa

Start at: 2018-08-22 14:13:04
End at: 2018-08-22 14:13:34
Local clock offset: 0.324 ms
Remote clock offset: -60.855 ms

Below is generated by plot.py at 2018-08-22 14:25:05
Datalink statistics
-- Total of 1 flow:
Average throughput: 86.50 Mbit/s
95th percentile per-packet one-way delay: 21.281 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 86.50 Mbit/s
95th percentile per-packet one-way delay: 21.281 ms
Loss rate: 0.06%

Run 10: Report of Copa — Data Link

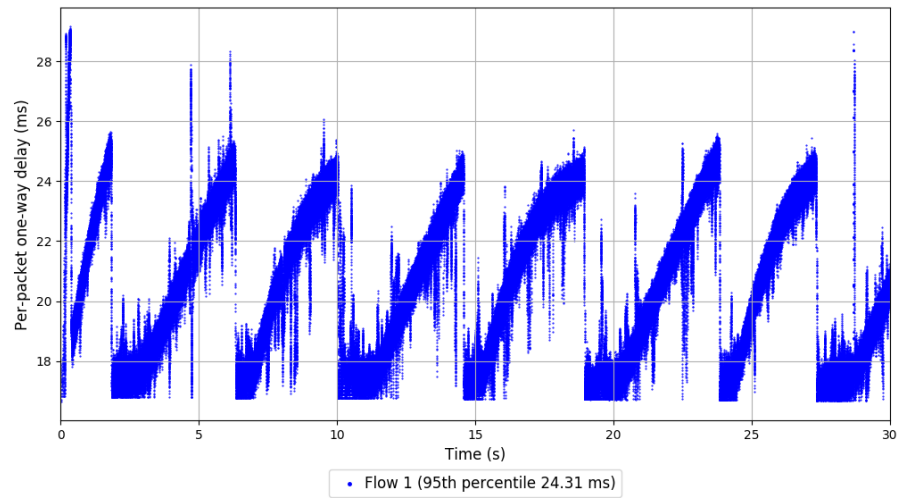
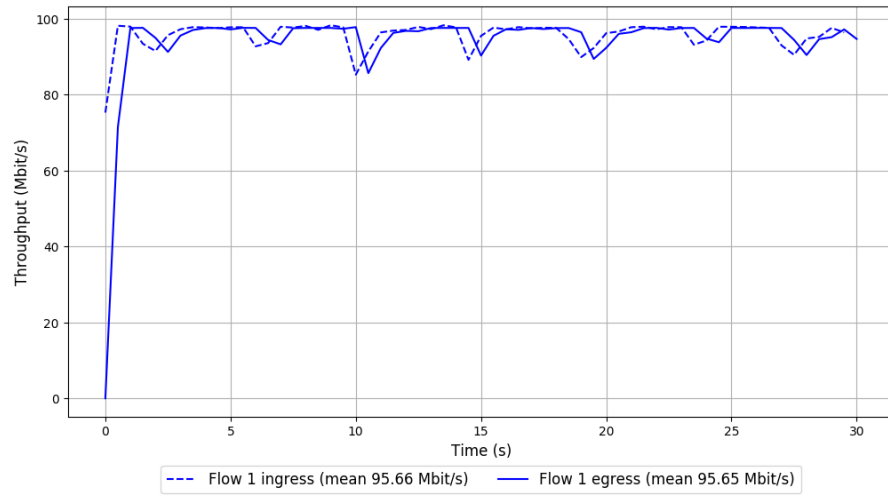


Run 1: Statistics of TCP Cubic

Start at: 2018-08-22 11:15:29
End at: 2018-08-22 11:15:59
Local clock offset: 0.591 ms
Remote clock offset: -61.023 ms

Below is generated by plot.py at 2018-08-22 14:25:05
Datalink statistics
-- Total of 1 flow:
Average throughput: 95.65 Mbit/s
95th percentile per-packet one-way delay: 24.312 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 95.65 Mbit/s
95th percentile per-packet one-way delay: 24.312 ms
Loss rate: 0.10%

Run 1: Report of TCP Cubic — Data Link

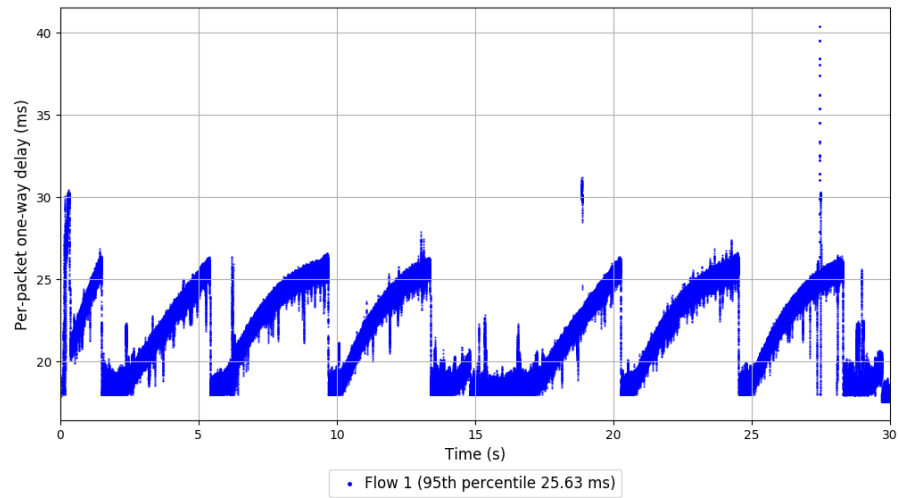
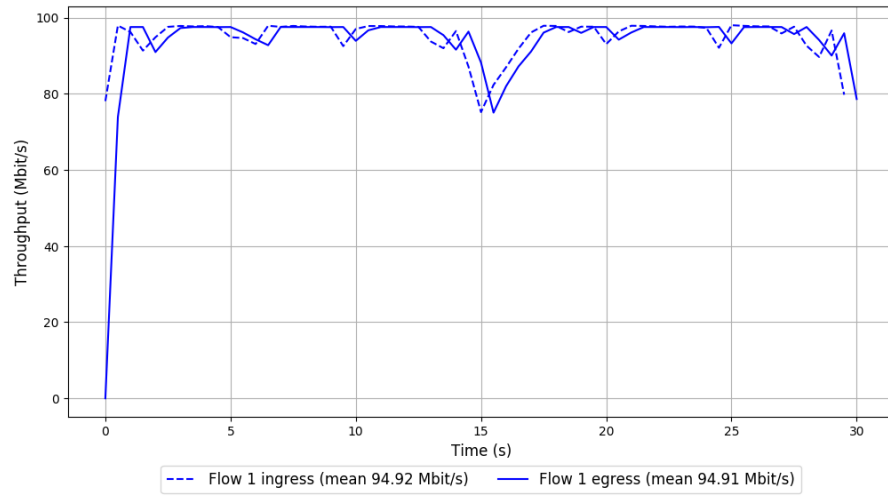


Run 2: Statistics of TCP Cubic

Start at: 2018-08-22 11:36:08
End at: 2018-08-22 11:36:38
Local clock offset: 0.882 ms
Remote clock offset: -64.637 ms

Below is generated by plot.py at 2018-08-22 14:25:05
Datalink statistics
-- Total of 1 flow:
Average throughput: 94.91 Mbit/s
95th percentile per-packet one-way delay: 25.629 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 94.91 Mbit/s
95th percentile per-packet one-way delay: 25.629 ms
Loss rate: 0.09%

Run 2: Report of TCP Cubic — Data Link

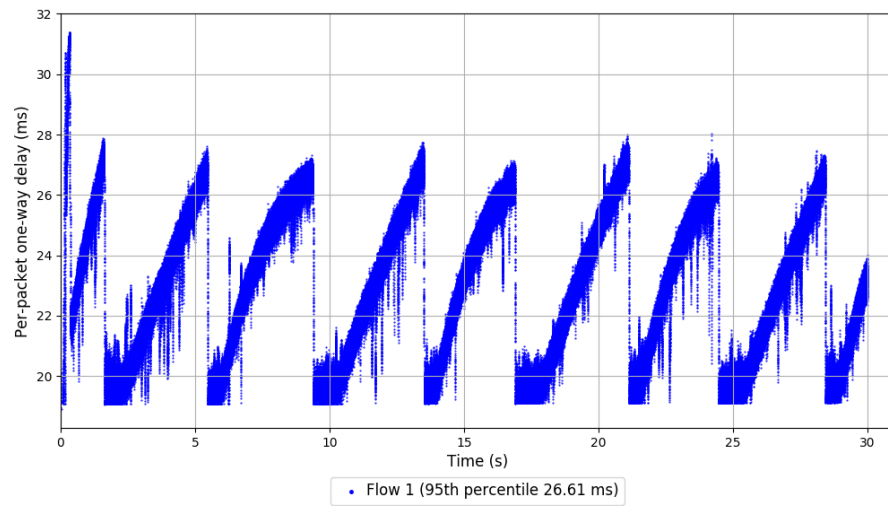
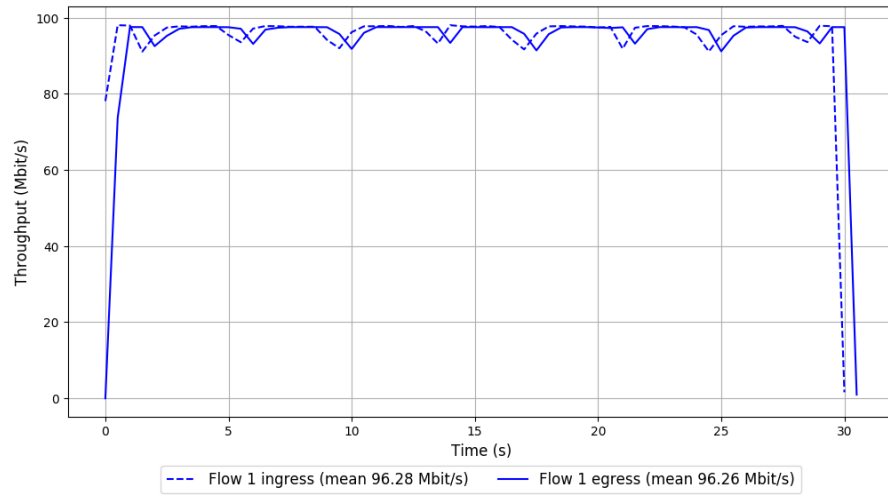


Run 3: Statistics of TCP Cubic

Start at: 2018-08-22 11:55:53
End at: 2018-08-22 11:56:23
Local clock offset: 3.137 ms
Remote clock offset: -63.338 ms

Below is generated by plot.py at 2018-08-22 14:25:05
Datalink statistics
-- Total of 1 flow:
Average throughput: 96.26 Mbit/s
95th percentile per-packet one-way delay: 26.610 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 96.26 Mbit/s
95th percentile per-packet one-way delay: 26.610 ms
Loss rate: 0.09%

Run 3: Report of TCP Cubic — Data Link

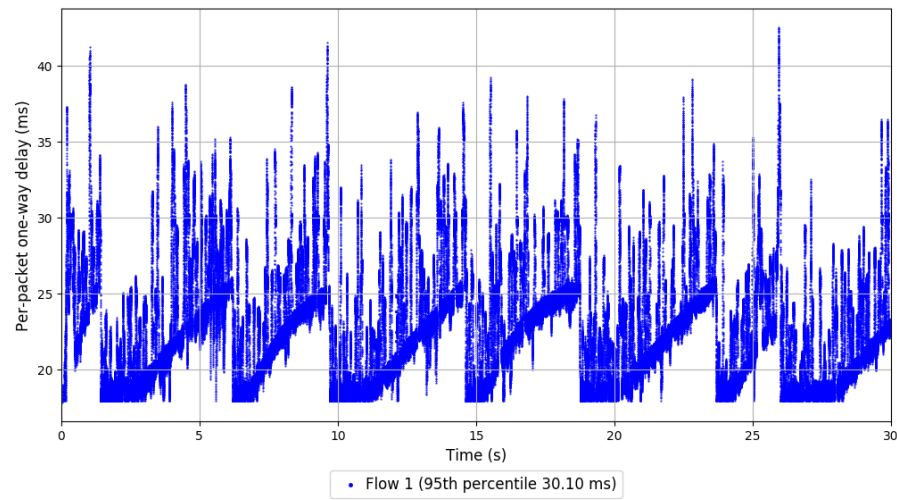
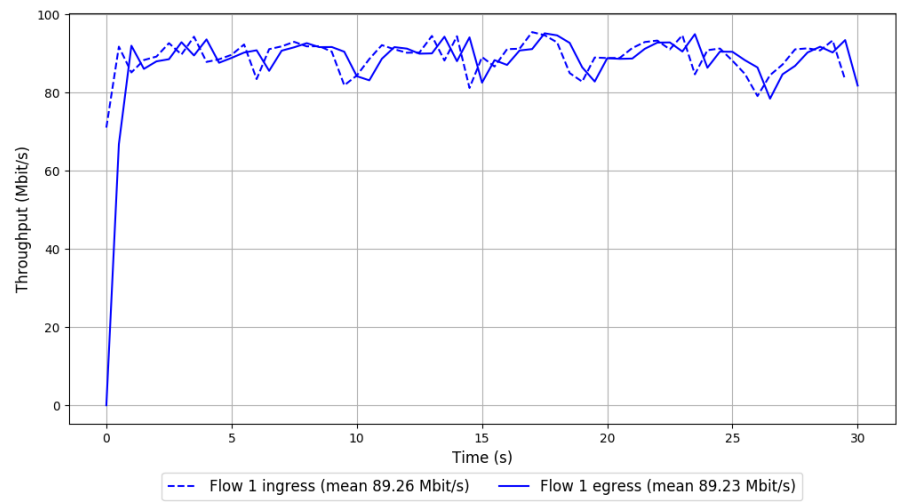


Run 4: Statistics of TCP Cubic

Start at: 2018-08-22 12:15:18
End at: 2018-08-22 12:15:48
Local clock offset: 1.029 ms
Remote clock offset: -63.078 ms

Below is generated by plot.py at 2018-08-22 14:25:05
Datalink statistics
-- Total of 1 flow:
Average throughput: 89.23 Mbit/s
95th percentile per-packet one-way delay: 30.097 ms
Loss rate: 0.11%
-- Flow 1:
Average throughput: 89.23 Mbit/s
95th percentile per-packet one-way delay: 30.097 ms
Loss rate: 0.11%

Run 4: Report of TCP Cubic — Data Link

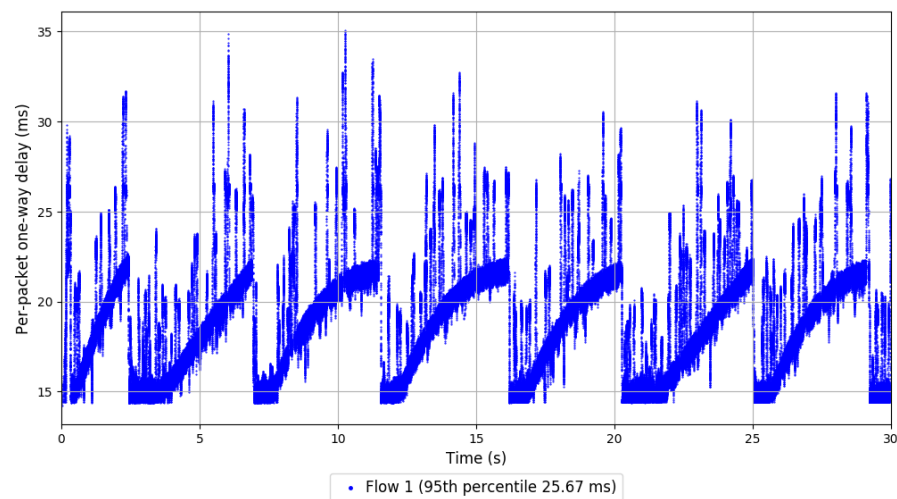
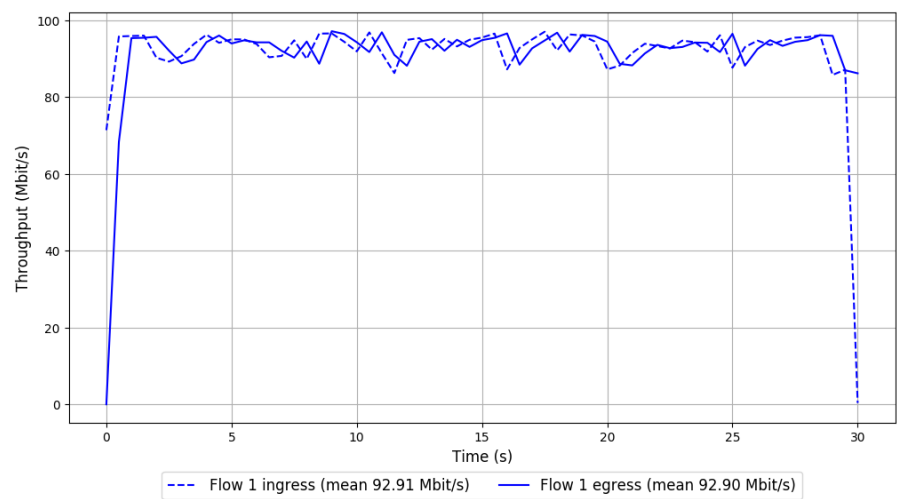


Run 5: Statistics of TCP Cubic

Start at: 2018-08-22 12:34:43
End at: 2018-08-22 12:35:13
Local clock offset: -2.051 ms
Remote clock offset: -61.92 ms

Below is generated by plot.py at 2018-08-22 14:25:28
Datalink statistics
-- Total of 1 flow:
Average throughput: 92.90 Mbit/s
95th percentile per-packet one-way delay: 25.667 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 92.90 Mbit/s
95th percentile per-packet one-way delay: 25.667 ms
Loss rate: 0.08%

Run 5: Report of TCP Cubic — Data Link

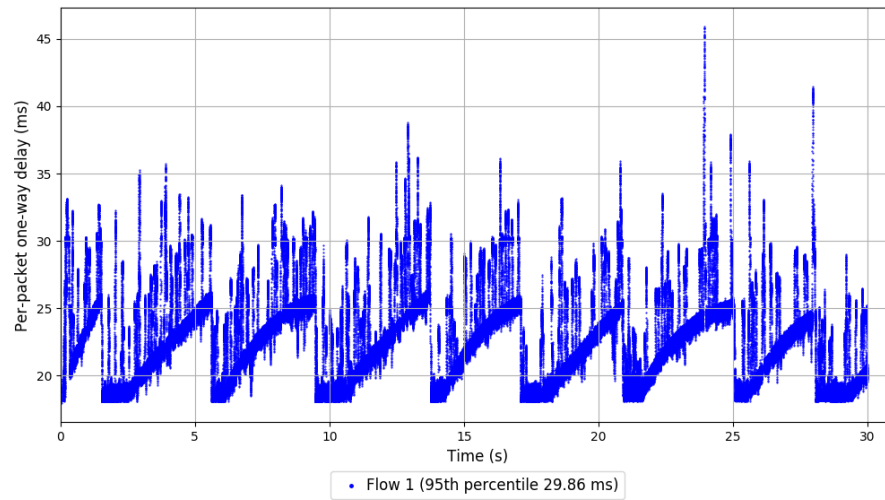
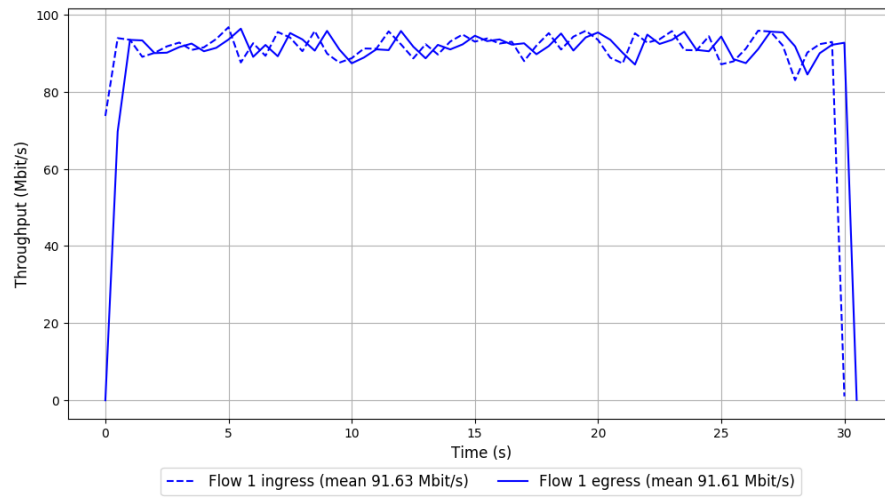


Run 6: Statistics of TCP Cubic

Start at: 2018-08-22 12:54:10
End at: 2018-08-22 12:54:40
Local clock offset: 2.428 ms
Remote clock offset: -60.392 ms

Below is generated by plot.py at 2018-08-22 14:25:30
Datalink statistics
-- Total of 1 flow:
Average throughput: 91.61 Mbit/s
95th percentile per-packet one-way delay: 29.855 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 91.61 Mbit/s
95th percentile per-packet one-way delay: 29.855 ms
Loss rate: 0.09%

Run 6: Report of TCP Cubic — Data Link

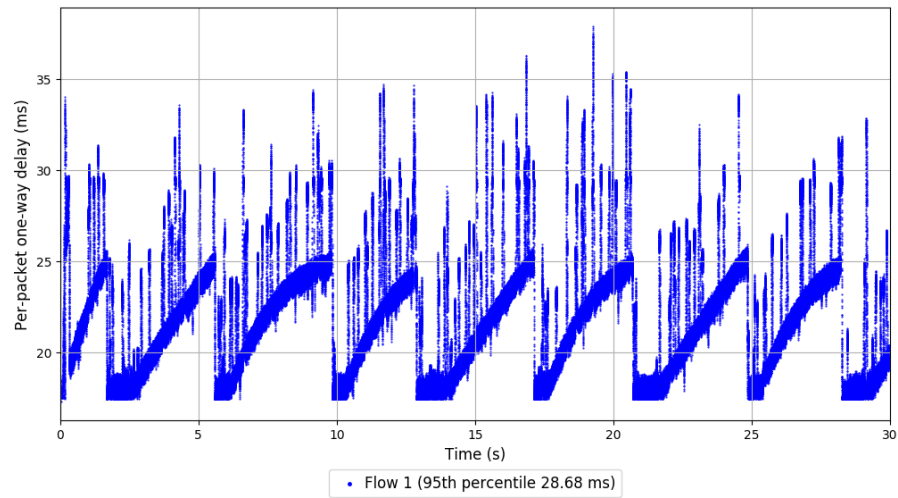
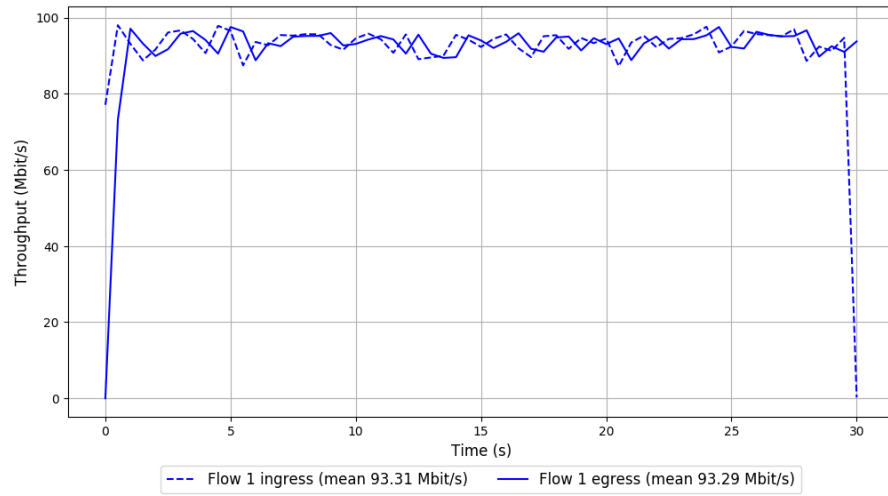


Run 7: Statistics of TCP Cubic

Start at: 2018-08-22 13:13:28
End at: 2018-08-22 13:13:58
Local clock offset: 1.268 ms
Remote clock offset: -61.529 ms

Below is generated by plot.py at 2018-08-22 14:25:32
Datalink statistics
-- Total of 1 flow:
Average throughput: 93.29 Mbit/s
95th percentile per-packet one-way delay: 28.679 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 93.29 Mbit/s
95th percentile per-packet one-way delay: 28.679 ms
Loss rate: 0.09%

Run 7: Report of TCP Cubic — Data Link

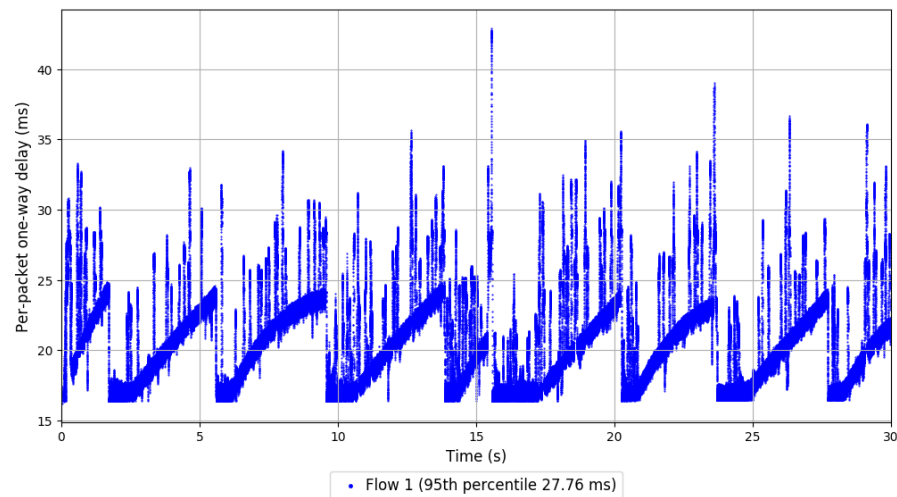
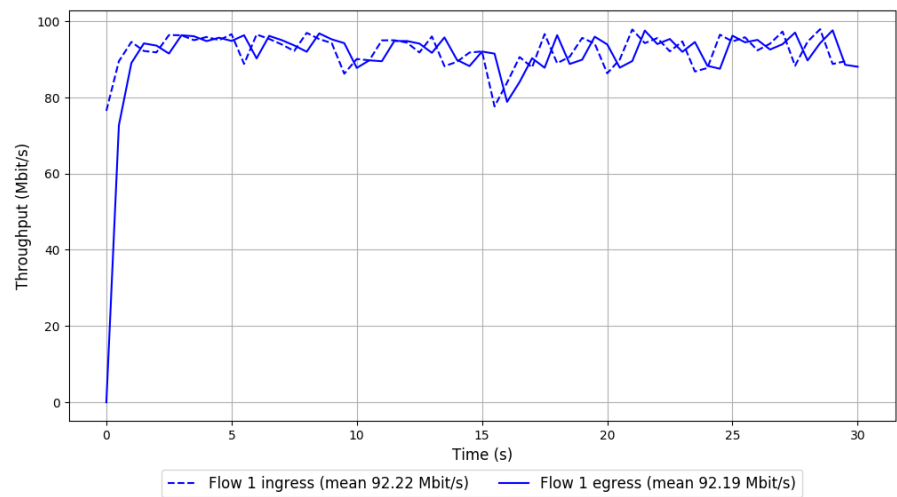


Run 8: Statistics of TCP Cubic

Start at: 2018-08-22 13:33:04
End at: 2018-08-22 13:33:34
Local clock offset: -0.544 ms
Remote clock offset: -61.302 ms

Below is generated by plot.py at 2018-08-22 14:25:34
Datalink statistics
-- Total of 1 flow:
Average throughput: 92.19 Mbit/s
95th percentile per-packet one-way delay: 27.758 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 92.19 Mbit/s
95th percentile per-packet one-way delay: 27.758 ms
Loss rate: 0.10%

Run 8: Report of TCP Cubic — Data Link

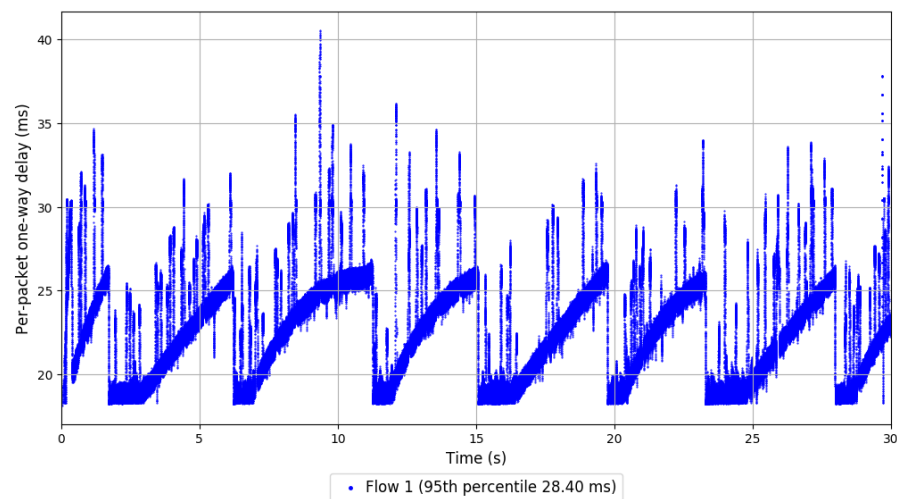
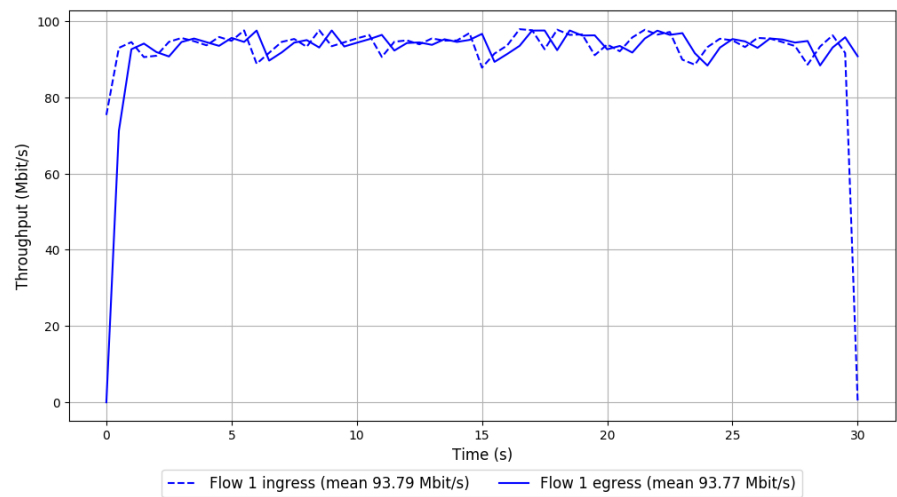


Run 9: Statistics of TCP Cubic

Start at: 2018-08-22 13:52:33
End at: 2018-08-22 13:53:03
Local clock offset: 1.614 ms
Remote clock offset: -60.435 ms

Below is generated by plot.py at 2018-08-22 14:25:36
Datalink statistics
-- Total of 1 flow:
Average throughput: 93.77 Mbit/s
95th percentile per-packet one-way delay: 28.398 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 93.77 Mbit/s
95th percentile per-packet one-way delay: 28.398 ms
Loss rate: 0.10%

Run 9: Report of TCP Cubic — Data Link

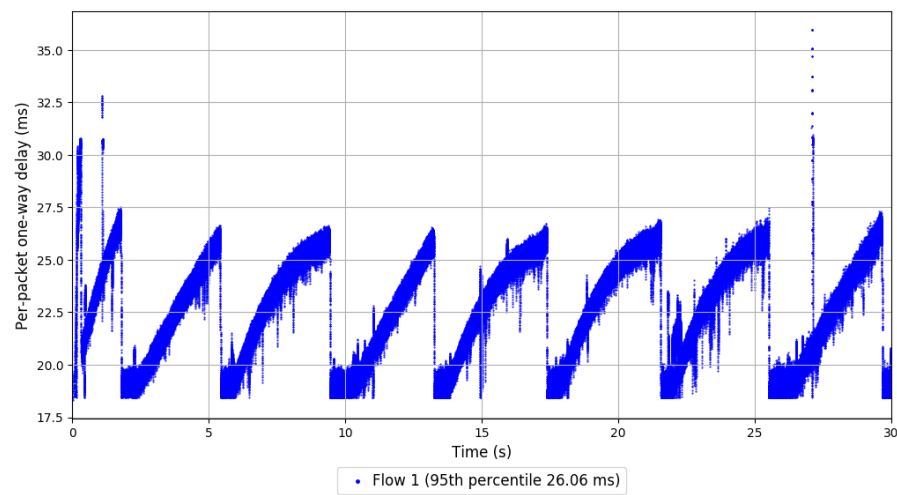
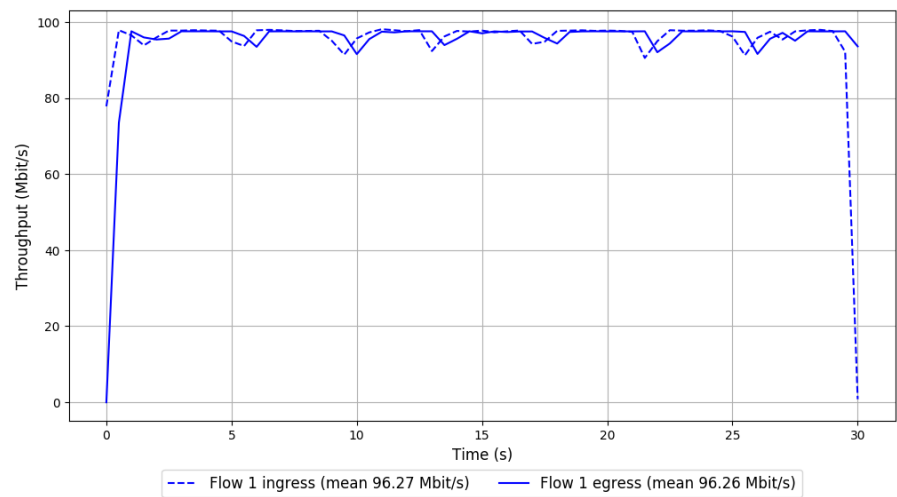


Run 10: Statistics of TCP Cubic

Start at: 2018-08-22 14:11:54
End at: 2018-08-22 14:12:24
Local clock offset: -1.972 ms
Remote clock offset: -64.563 ms

Below is generated by plot.py at 2018-08-22 14:25:40
Datalink statistics
-- Total of 1 flow:
Average throughput: 96.26 Mbit/s
95th percentile per-packet one-way delay: 26.057 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 96.26 Mbit/s
95th percentile per-packet one-way delay: 26.057 ms
Loss rate: 0.08%

Run 10: Report of TCP Cubic — Data Link

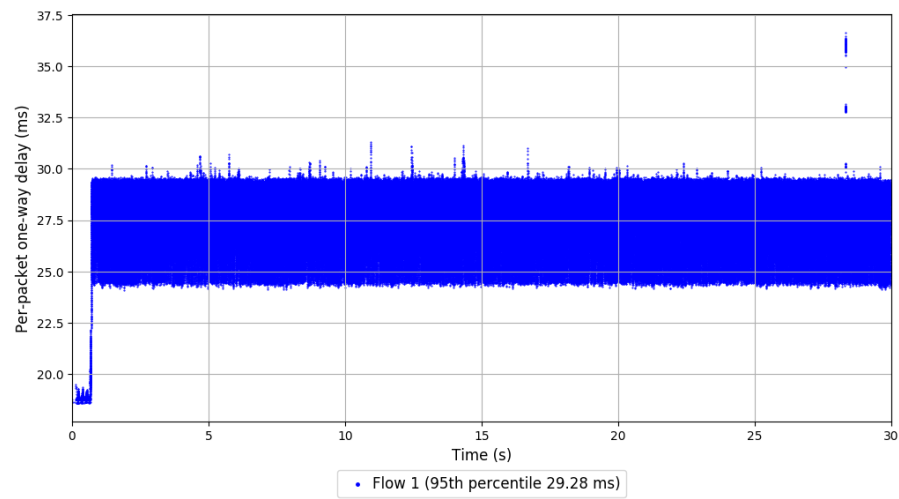
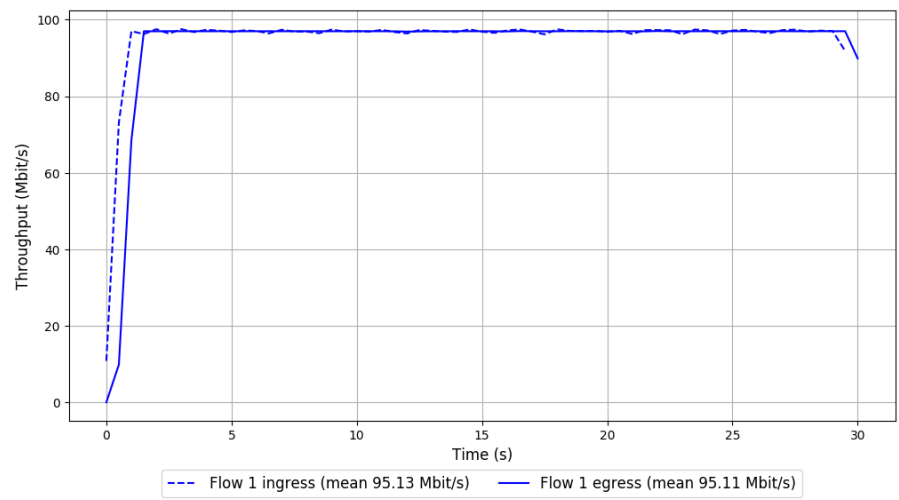


```
Run 1: Statistics of FillP

Start at: 2018-08-22 11:05:41
End at: 2018-08-22 11:06:11
Local clock offset: 1.12 ms
Remote clock offset: -62.0 ms

# Below is generated by plot.py at 2018-08-22 14:26:12
# Datalink statistics
-- Total of 1 flow:
Average throughput: 95.11 Mbit/s
95th percentile per-packet one-way delay: 29.280 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 95.11 Mbit/s
95th percentile per-packet one-way delay: 29.280 ms
Loss rate: 0.13%
```

Run 1: Report of FillP — Data Link

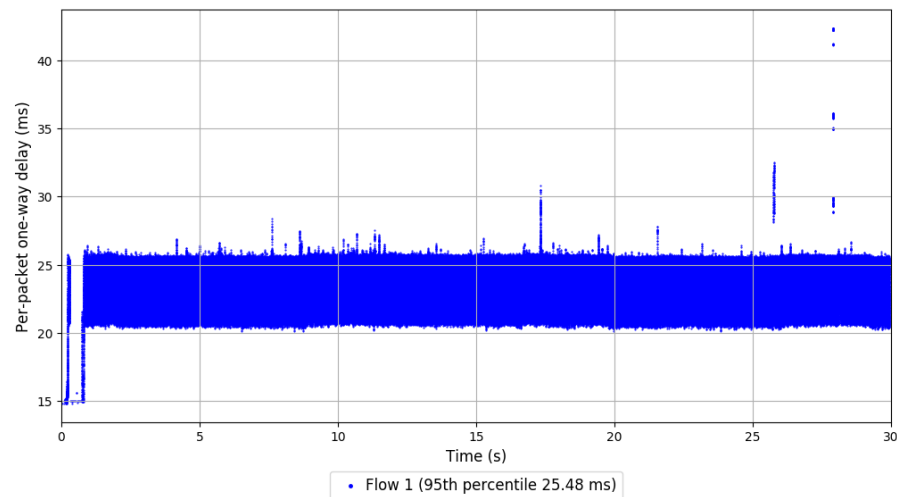
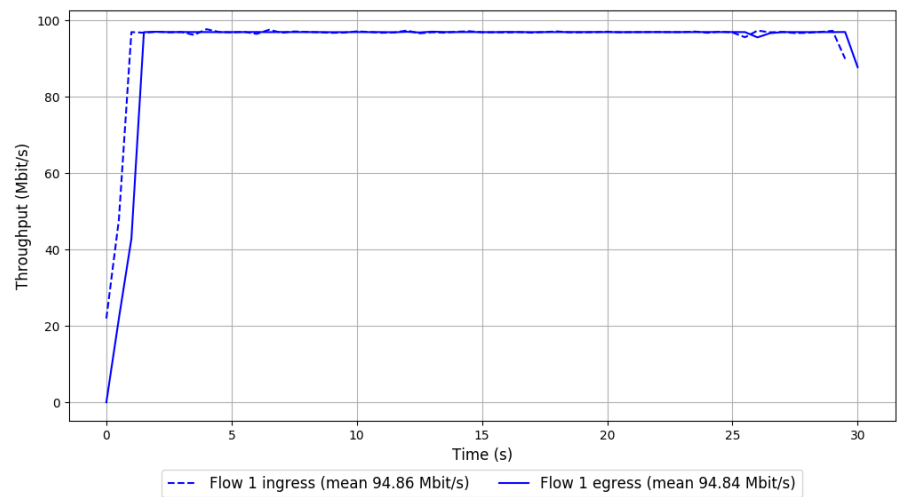


Run 2: Statistics of FillP

Start at: 2018-08-22 11:26:41
End at: 2018-08-22 11:27:11
Local clock offset: -2.092 ms
Remote clock offset: -63.772 ms

Below is generated by plot.py at 2018-08-22 14:26:36
Datalink statistics
-- Total of 1 flow:
Average throughput: 94.84 Mbit/s
95th percentile per-packet one-way delay: 25.480 ms
Loss rate: 0.12%
-- Flow 1:
Average throughput: 94.84 Mbit/s
95th percentile per-packet one-way delay: 25.480 ms
Loss rate: 0.12%

Run 2: Report of FillP — Data Link

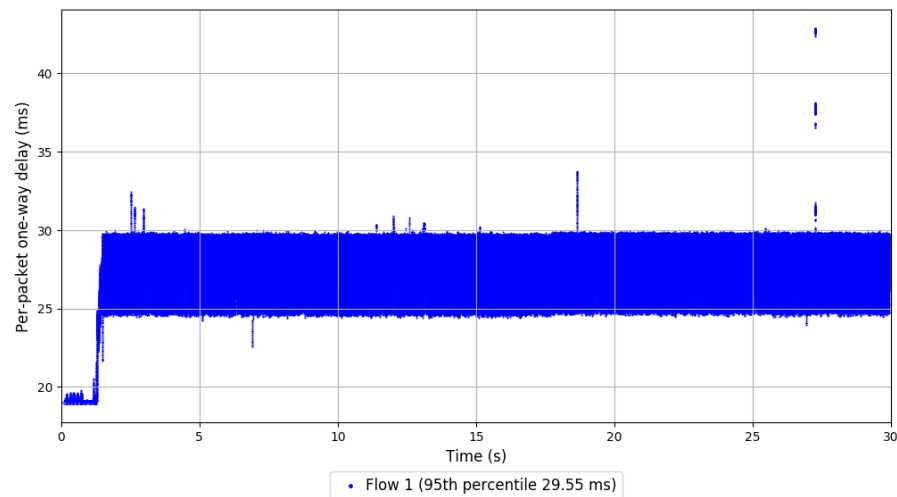
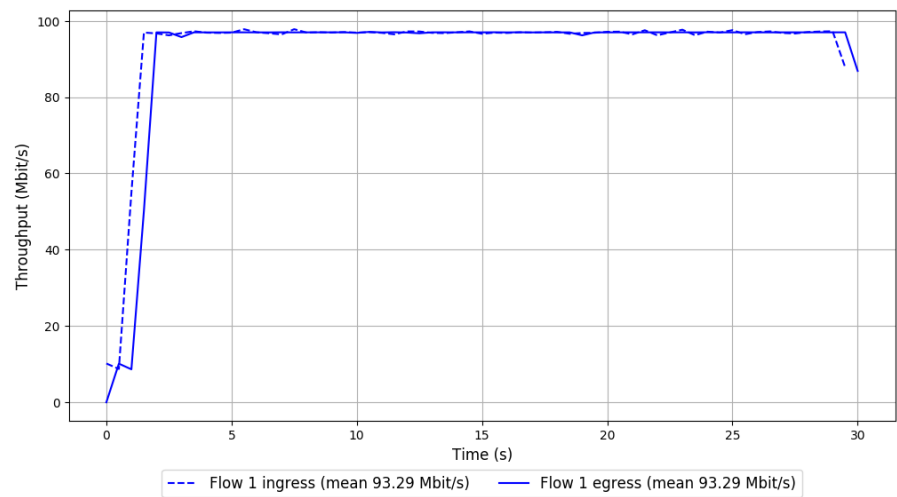


Run 3: Statistics of FillP

Start at: 2018-08-22 11:46:48
End at: 2018-08-22 11:47:18
Local clock offset: 3.809 ms
Remote clock offset: -64.284 ms

Below is generated by plot.py at 2018-08-22 14:26:47
Datalink statistics
-- Total of 1 flow:
Average throughput: 93.29 Mbit/s
95th percentile per-packet one-way delay: 29.546 ms
Loss rate: 0.11%
-- Flow 1:
Average throughput: 93.29 Mbit/s
95th percentile per-packet one-way delay: 29.546 ms
Loss rate: 0.11%

Run 3: Report of FillP — Data Link

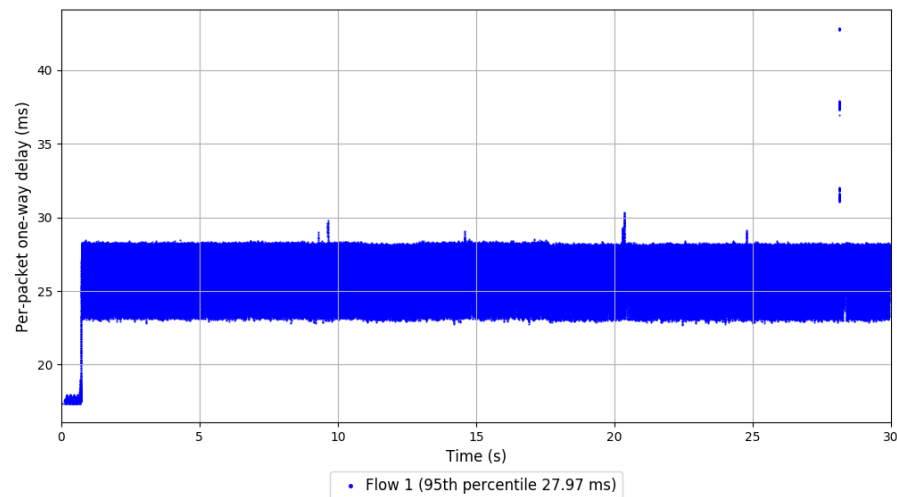
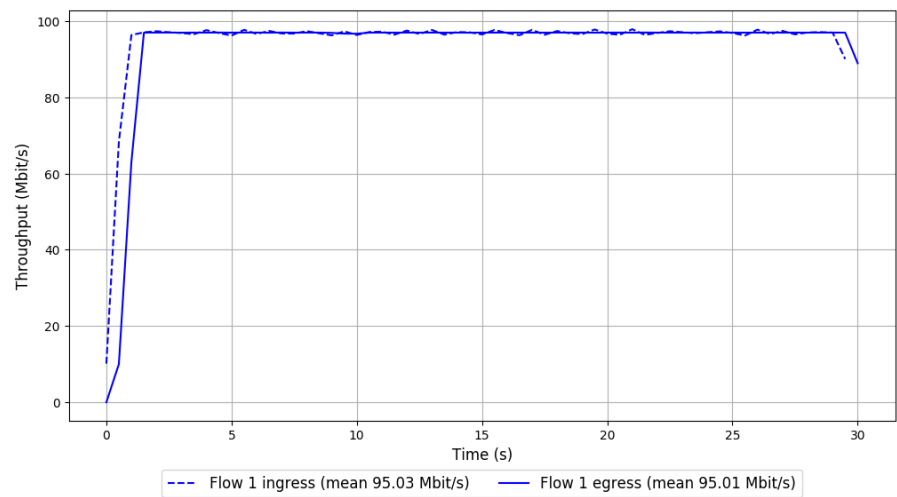


Run 4: Statistics of FillP

Start at: 2018-08-22 12:06:16
End at: 2018-08-22 12:06:46
Local clock offset: 2.272 ms
Remote clock offset: -62.061 ms

Below is generated by plot.py at 2018-08-22 14:26:50
Datalink statistics
-- Total of 1 flow:
Average throughput: 95.01 Mbit/s
95th percentile per-packet one-way delay: 27.973 ms
Loss rate: 0.11%
-- Flow 1:
Average throughput: 95.01 Mbit/s
95th percentile per-packet one-way delay: 27.973 ms
Loss rate: 0.11%

Run 4: Report of FillP — Data Link

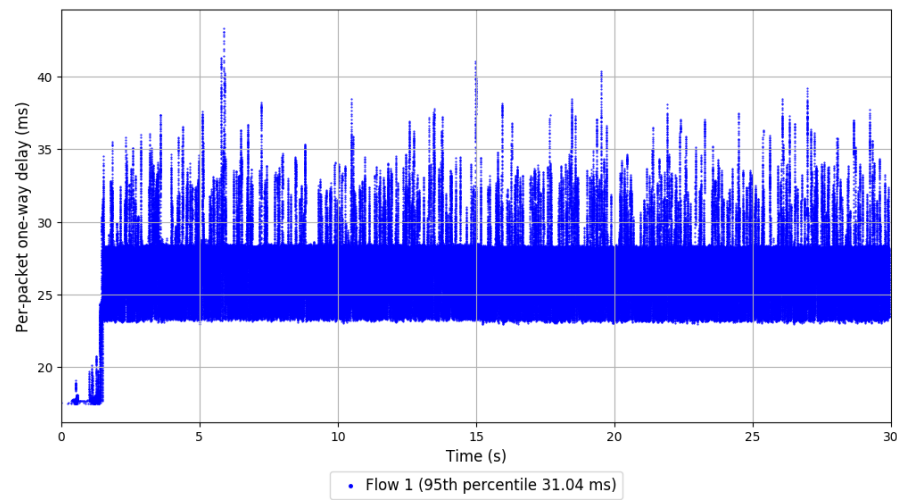
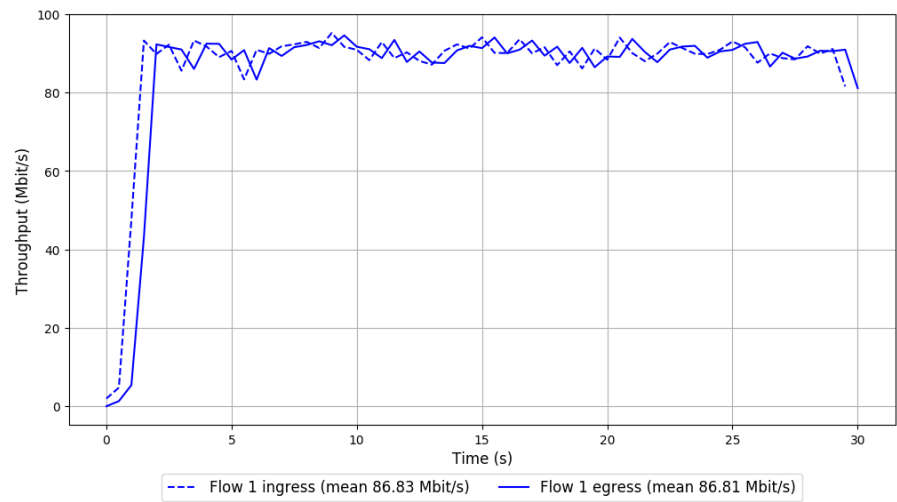


Run 5: Statistics of FillP

Start at: 2018-08-22 12:25:43
End at: 2018-08-22 12:26:13
Local clock offset: 1.854 ms
Remote clock offset: -61.624 ms

Below is generated by plot.py at 2018-08-22 14:26:50
Datalink statistics
-- Total of 1 flow:
Average throughput: 86.81 Mbit/s
95th percentile per-packet one-way delay: 31.040 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 86.81 Mbit/s
95th percentile per-packet one-way delay: 31.040 ms
Loss rate: 0.10%

Run 5: Report of FillP — Data Link

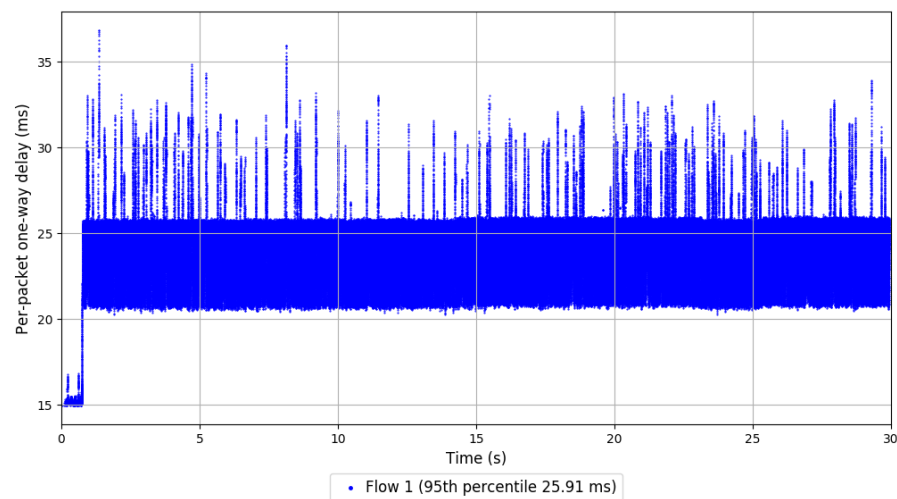
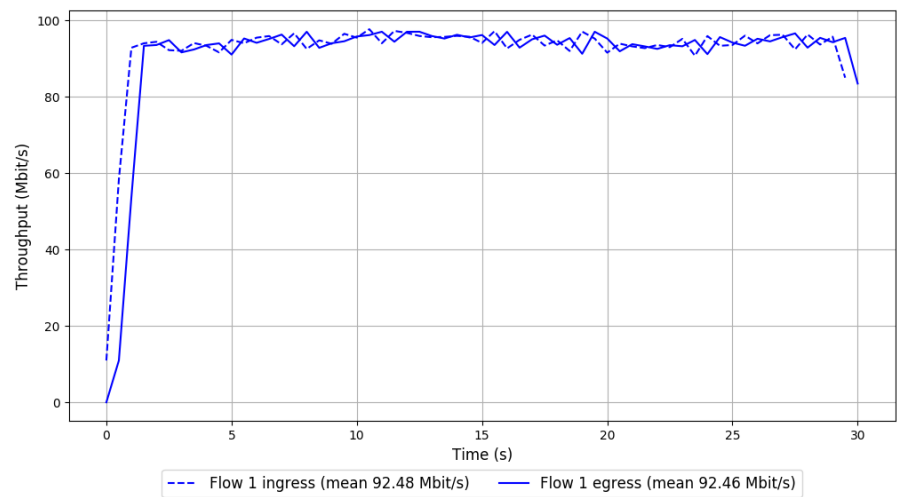


Run 6: Statistics of FillP

Start at: 2018-08-22 12:45:06
End at: 2018-08-22 12:45:36
Local clock offset: -0.568 ms
Remote clock offset: -60.843 ms

Below is generated by plot.py at 2018-08-22 14:26:54
Datalink statistics
-- Total of 1 flow:
Average throughput: 92.46 Mbit/s
95th percentile per-packet one-way delay: 25.909 ms
Loss rate: 0.11%
-- Flow 1:
Average throughput: 92.46 Mbit/s
95th percentile per-packet one-way delay: 25.909 ms
Loss rate: 0.11%

Run 6: Report of FillP — Data Link

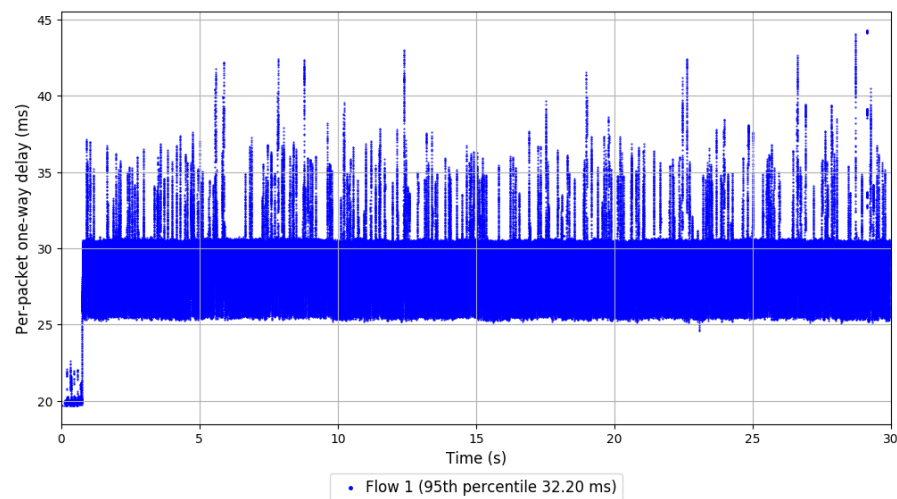
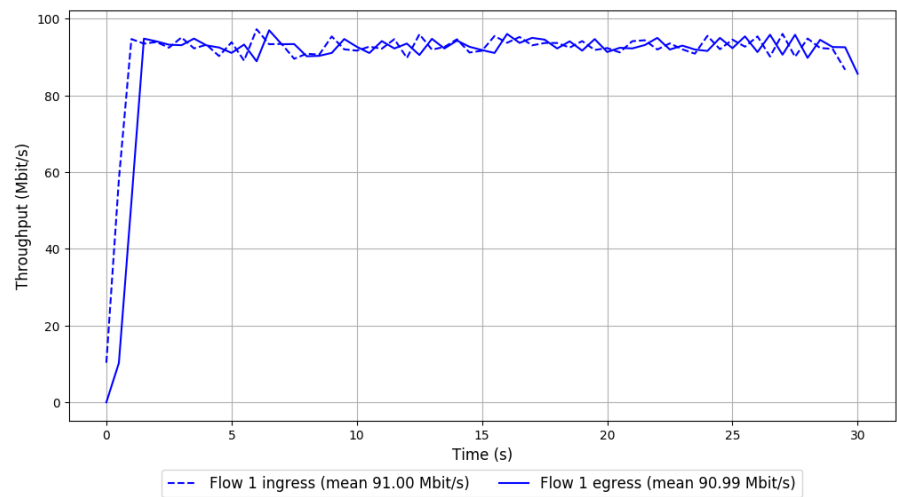


Run 7: Statistics of FillP

Start at: 2018-08-22 13:04:26
End at: 2018-08-22 13:04:56
Local clock offset: 3.329 ms
Remote clock offset: -61.979 ms

Below is generated by plot.py at 2018-08-22 14:26:54
Datalink statistics
-- Total of 1 flow:
Average throughput: 90.99 Mbit/s
95th percentile per-packet one-way delay: 32.205 ms
Loss rate: 0.11%
-- Flow 1:
Average throughput: 90.99 Mbit/s
95th percentile per-packet one-way delay: 32.205 ms
Loss rate: 0.11%

Run 7: Report of FillP — Data Link

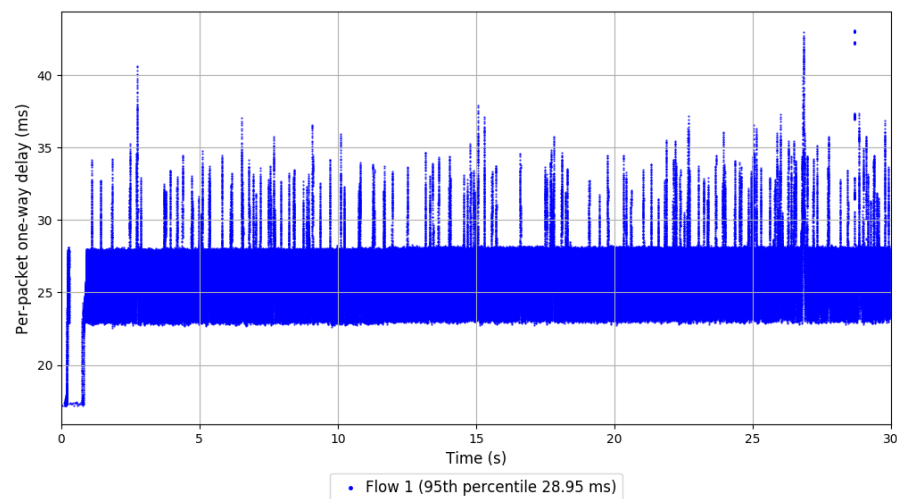
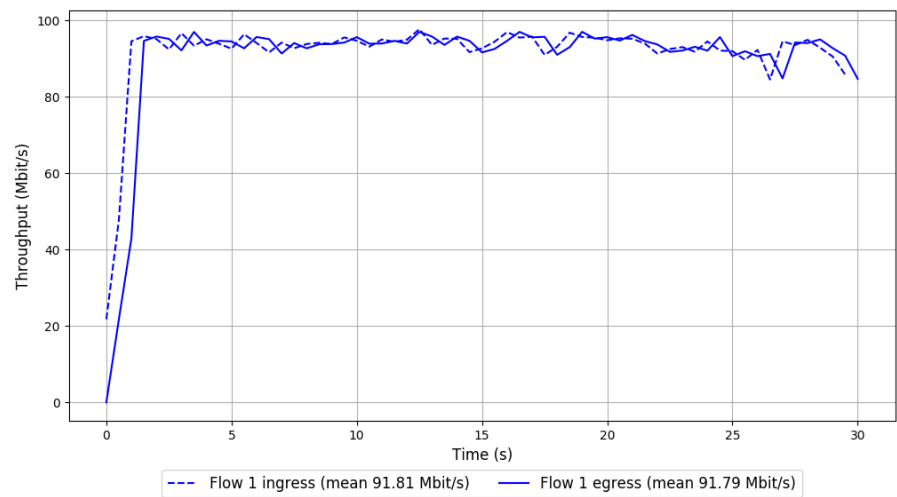


Run 8: Statistics of FillP

Start at: 2018-08-22 13:23:53
End at: 2018-08-22 13:24:23
Local clock offset: 0.278 ms
Remote clock offset: -62.107 ms

Below is generated by plot.py at 2018-08-22 14:26:59
Datalink statistics
-- Total of 1 flow:
Average throughput: 91.79 Mbit/s
95th percentile per-packet one-way delay: 28.953 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 91.79 Mbit/s
95th percentile per-packet one-way delay: 28.953 ms
Loss rate: 0.10%

Run 8: Report of FillP — Data Link



Run 9: Statistics of FillP

Start at: 2018-08-22 13:43:27

End at: 2018-08-22 13:43:57

Local clock offset: 2.2 ms

Remote clock offset: -60.01 ms

Below is generated by plot.py at 2018-08-22 14:27:33

Datalink statistics

-- Total of 1 flow:

Average throughput: 91.24 Mbit/s

95th percentile per-packet one-way delay: 30.501 ms

Loss rate: 0.10%

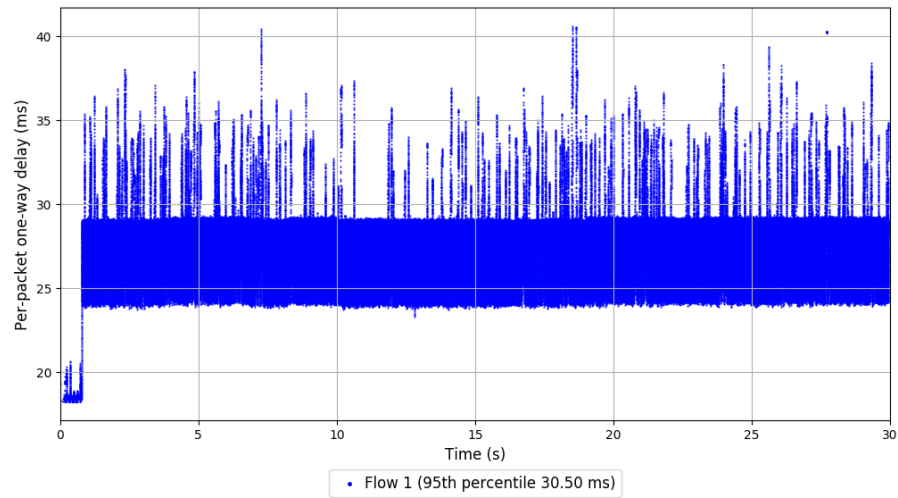
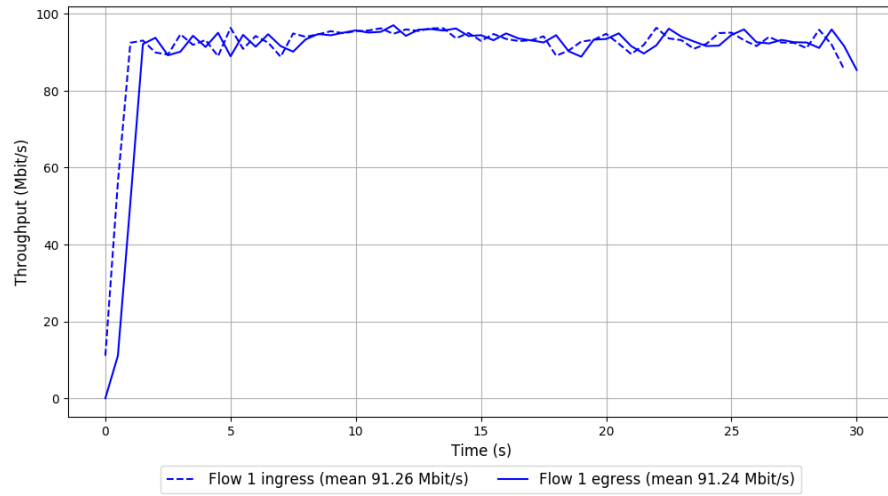
-- Flow 1:

Average throughput: 91.24 Mbit/s

95th percentile per-packet one-way delay: 30.501 ms

Loss rate: 0.10%

Run 9: Report of FillP — Data Link

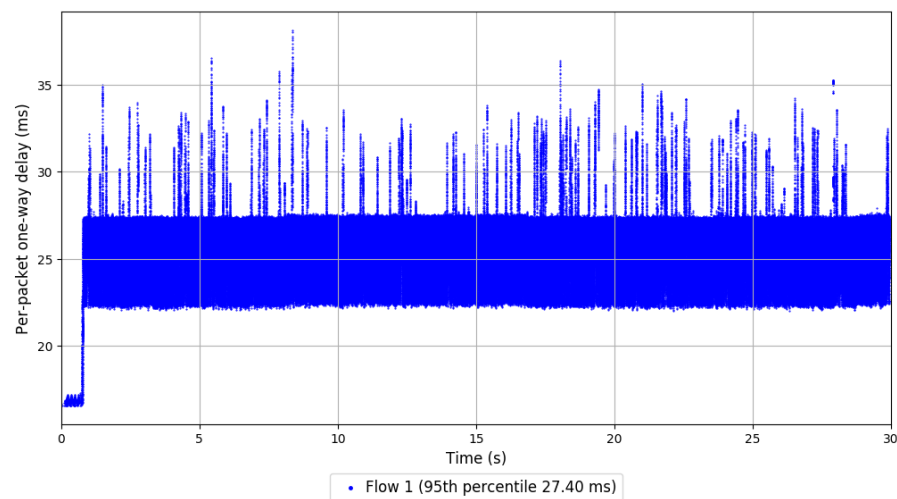
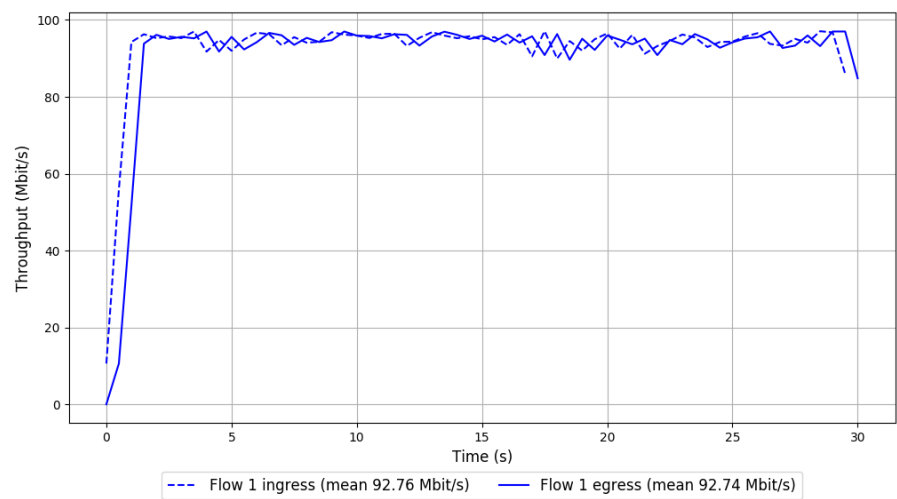


Run 10: Statistics of FillP

Start at: 2018-08-22 14:02:55
End at: 2018-08-22 14:03:25
Local clock offset: 0.095 ms
Remote clock offset: -60.204 ms

Below is generated by plot.py at 2018-08-22 14:27:56
Datalink statistics
-- Total of 1 flow:
Average throughput: 92.74 Mbit/s
95th percentile per-packet one-way delay: 27.403 ms
Loss rate: 0.11%
-- Flow 1:
Average throughput: 92.74 Mbit/s
95th percentile per-packet one-way delay: 27.403 ms
Loss rate: 0.11%

Run 10: Report of FillP — Data Link



Run 1: Statistics of FillP-Sheep

Start at: 2018-08-22 11:08:22

End at: 2018-08-22 11:08:52

Local clock offset: 2.638 ms

Remote clock offset: -61.723 ms

Below is generated by plot.py at 2018-08-22 14:28:07

Datalink statistics

-- Total of 1 flow:

Average throughput: 94.37 Mbit/s

95th percentile per-packet one-way delay: 30.403 ms

Loss rate: 0.14%

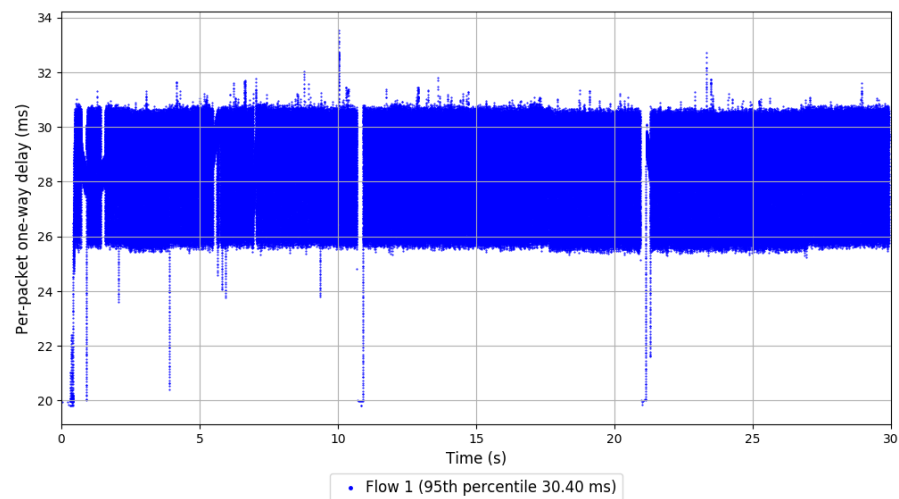
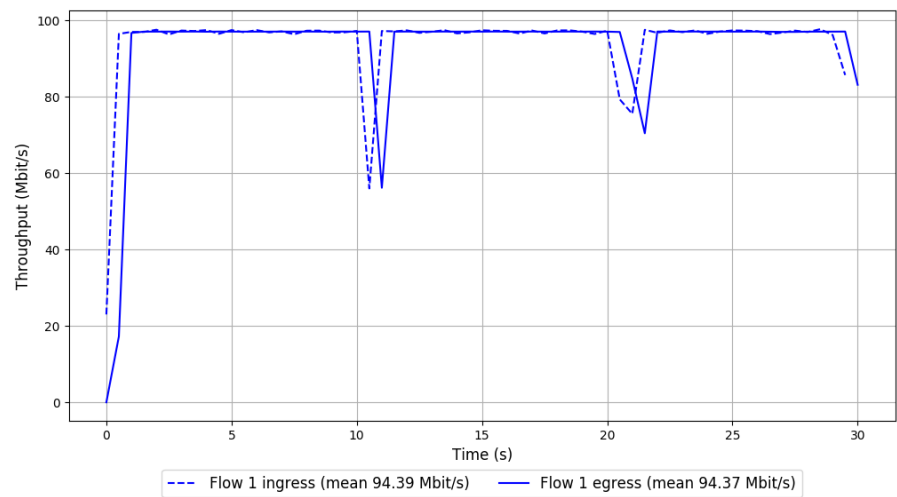
-- Flow 1:

Average throughput: 94.37 Mbit/s

95th percentile per-packet one-way delay: 30.403 ms

Loss rate: 0.14%

Run 1: Report of FillP-Sheep — Data Link



Run 2: Statistics of FillP-Sheep

Start at: 2018-08-22 11:29:06

End at: 2018-08-22 11:29:36

Local clock offset: -1.626 ms

Remote clock offset: -63.684 ms

Below is generated by plot.py at 2018-08-22 14:28:07

Datalink statistics

-- Total of 1 flow:

Average throughput: 95.00 Mbit/s

95th percentile per-packet one-way delay: 25.551 ms

Loss rate: 0.12%

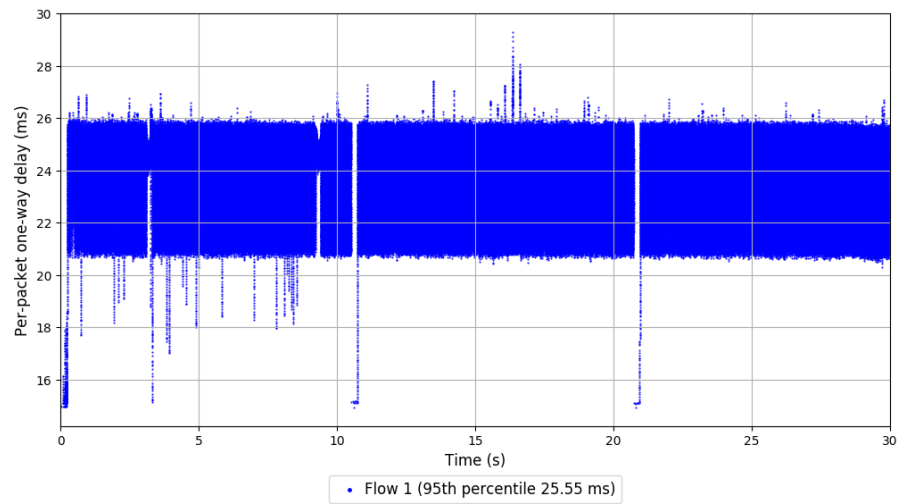
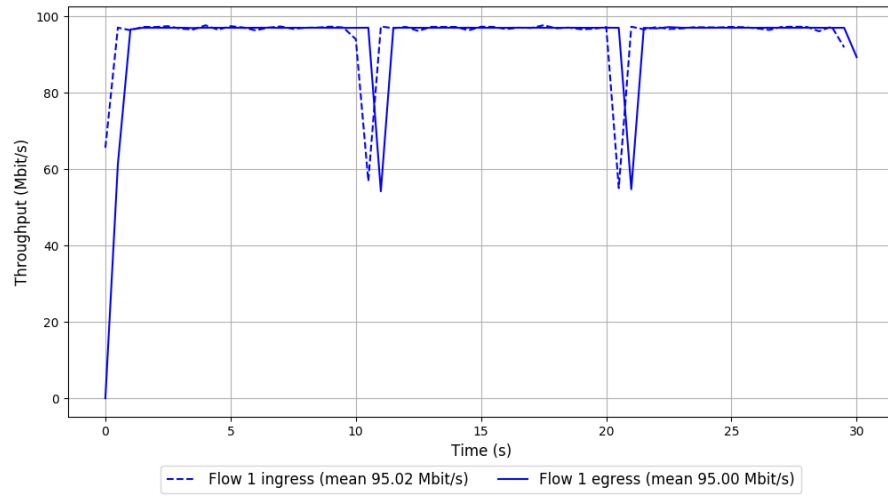
-- Flow 1:

Average throughput: 95.00 Mbit/s

95th percentile per-packet one-way delay: 25.551 ms

Loss rate: 0.12%

Run 2: Report of FillP-Sheep — Data Link

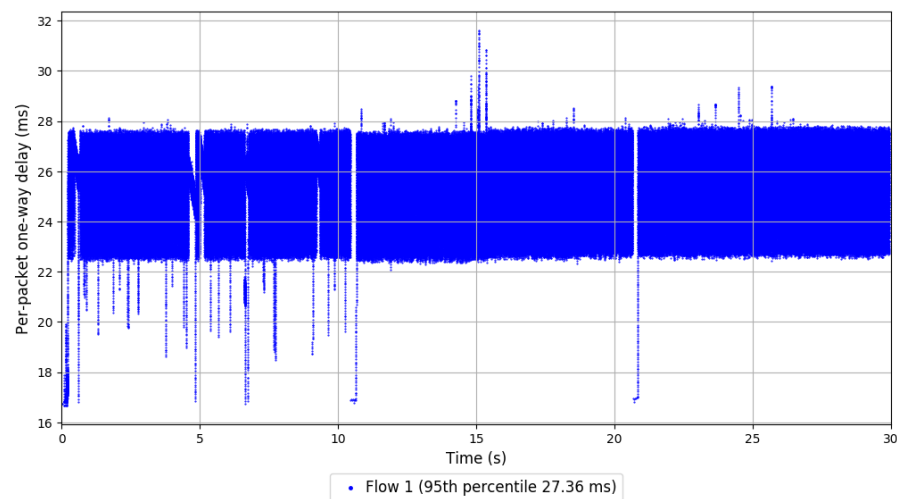
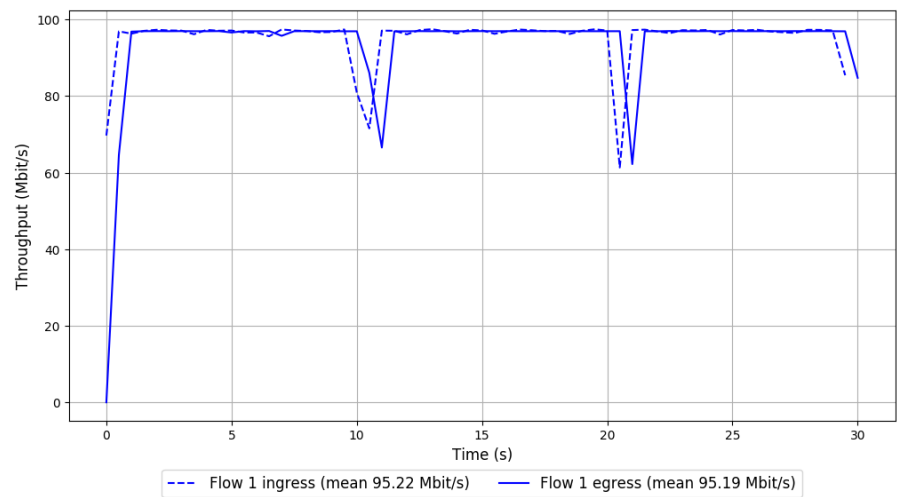


Run 3: Statistics of FillP-Sheep

Start at: 2018-08-22 11:49:07
End at: 2018-08-22 11:49:37
Local clock offset: 1.307 ms
Remote clock offset: -64.396 ms

Below is generated by plot.py at 2018-08-22 14:28:10
Datalink statistics
-- Total of 1 flow:
Average throughput: 95.19 Mbit/s
95th percentile per-packet one-way delay: 27.356 ms
Loss rate: 0.11%
-- Flow 1:
Average throughput: 95.19 Mbit/s
95th percentile per-packet one-way delay: 27.356 ms
Loss rate: 0.11%

Run 3: Report of FillP-Sheep — Data Link



Run 4: Statistics of FillP-Sheep

Start at: 2018-08-22 12:08:31

End at: 2018-08-22 12:09:01

Local clock offset: 2.604 ms

Remote clock offset: -62.213 ms

Below is generated by plot.py at 2018-08-22 14:28:10

Datalink statistics

-- Total of 1 flow:

Average throughput: 89.40 Mbit/s

95th percentile per-packet one-way delay: 31.038 ms

Loss rate: 0.12%

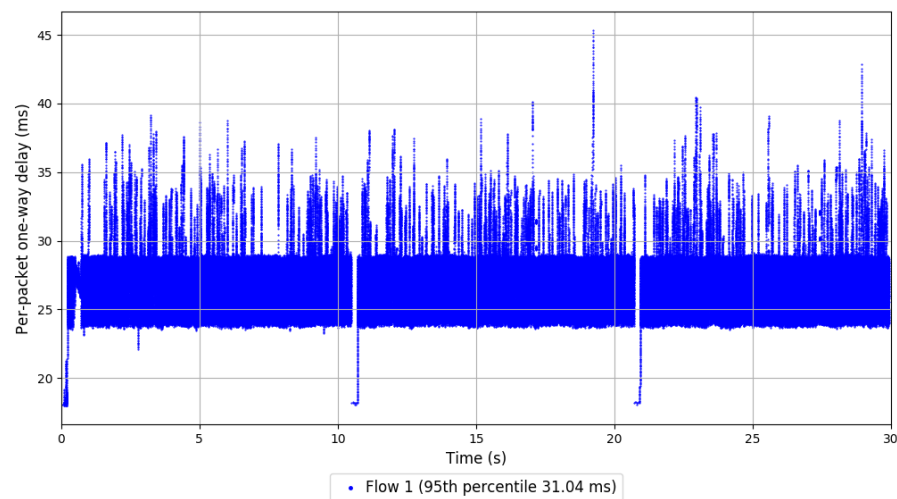
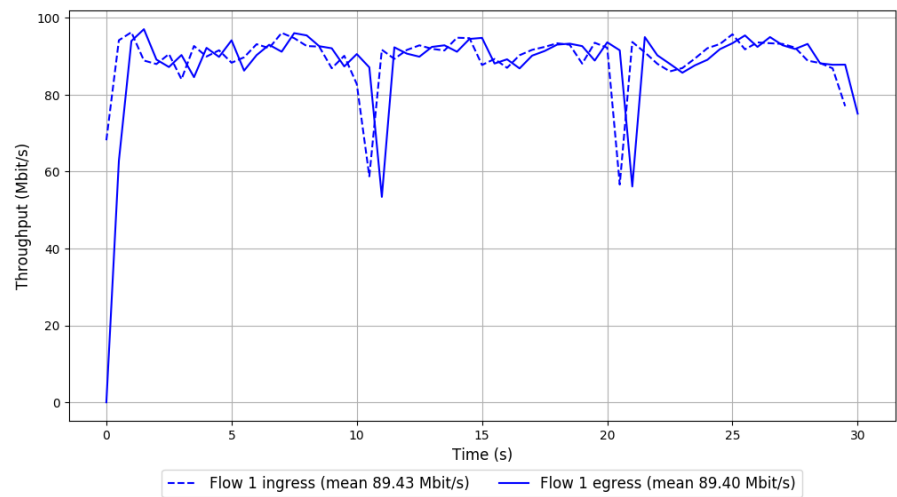
-- Flow 1:

Average throughput: 89.40 Mbit/s

95th percentile per-packet one-way delay: 31.038 ms

Loss rate: 0.12%

Run 4: Report of FillP-Sheep — Data Link



Run 5: Statistics of FillP-Sheep

Start at: 2018-08-22 12:28:00

End at: 2018-08-22 12:28:30

Local clock offset: 1.586 ms

Remote clock offset: -61.514 ms

Below is generated by plot.py at 2018-08-22 14:28:11

Datalink statistics

-- Total of 1 flow:

Average throughput: 90.21 Mbit/s

95th percentile per-packet one-way delay: 29.674 ms

Loss rate: 0.12%

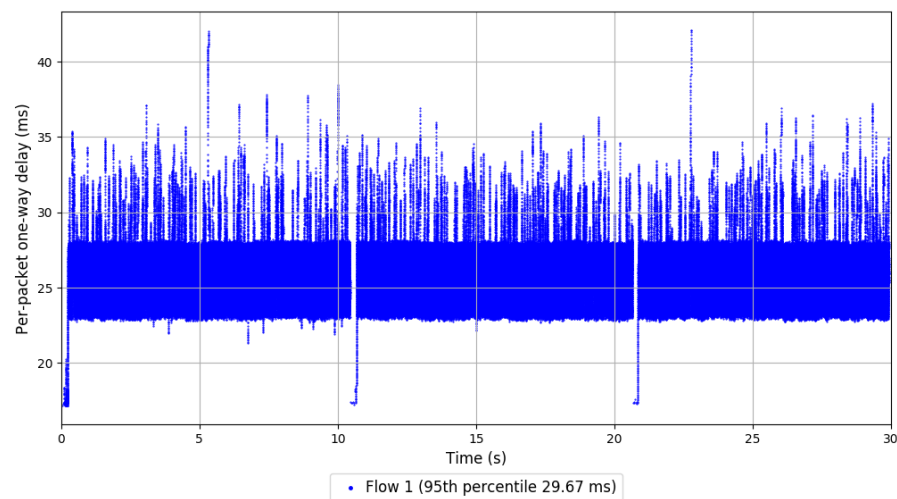
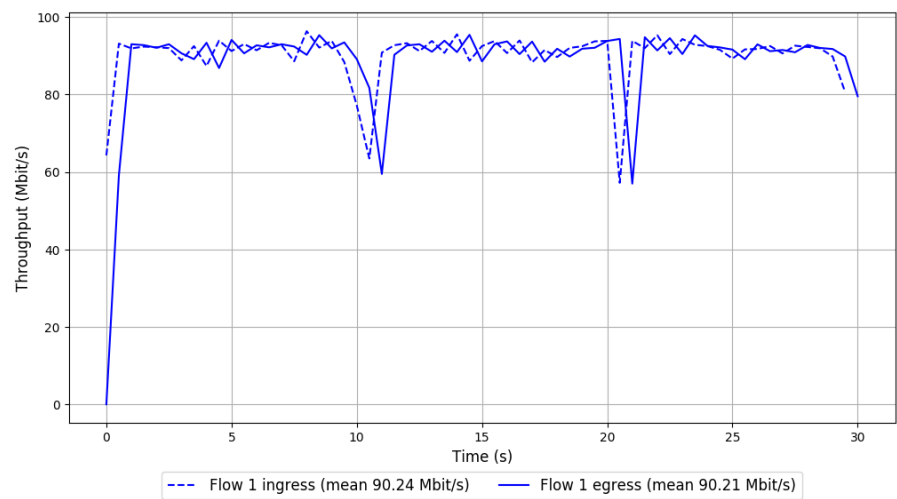
-- Flow 1:

Average throughput: 90.21 Mbit/s

95th percentile per-packet one-way delay: 29.674 ms

Loss rate: 0.12%

Run 5: Report of FillP-Sheep — Data Link



Run 6: Statistics of FillP-Sheep

Start at: 2018-08-22 12:47:26

End at: 2018-08-22 12:47:56

Local clock offset: 1.498 ms

Remote clock offset: -60.923 ms

Below is generated by plot.py at 2018-08-22 14:28:19

Datalink statistics

-- Total of 1 flow:

Average throughput: 90.89 Mbit/s

95th percentile per-packet one-way delay: 29.473 ms

Loss rate: 0.11%

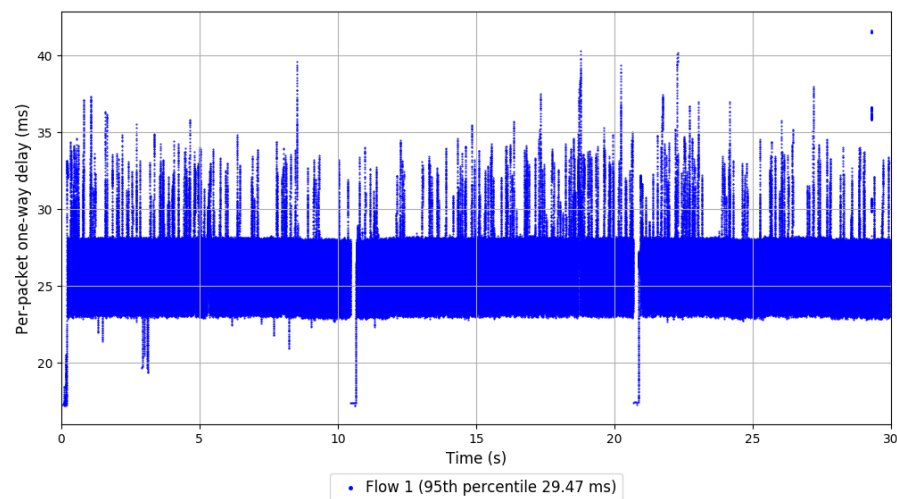
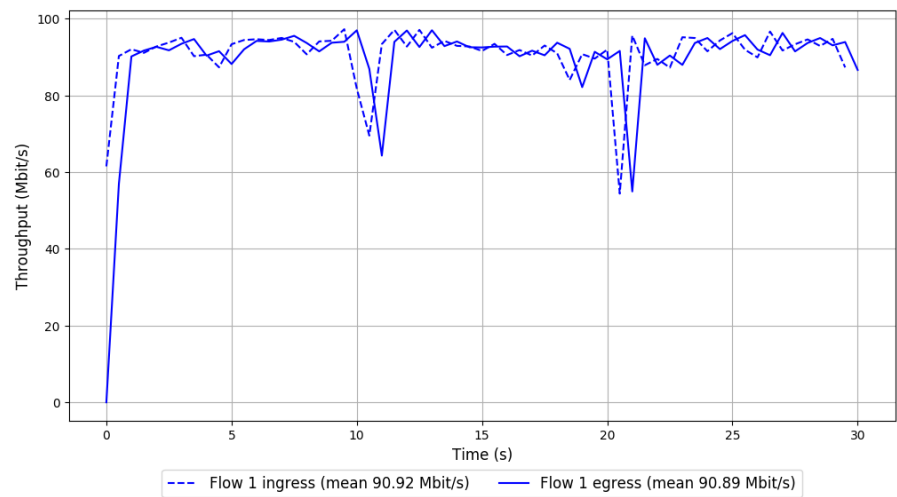
-- Flow 1:

Average throughput: 90.89 Mbit/s

95th percentile per-packet one-way delay: 29.473 ms

Loss rate: 0.11%

Run 6: Report of FillP-Sheep — Data Link



Run 7: Statistics of FillP-Sheep

Start at: 2018-08-22 13:06:45

End at: 2018-08-22 13:07:15

Local clock offset: 1.889 ms

Remote clock offset: -61.821 ms

Below is generated by plot.py at 2018-08-22 14:29:05

Datalink statistics

-- Total of 1 flow:

Average throughput: 91.04 Mbit/s

95th percentile per-packet one-way delay: 29.898 ms

Loss rate: 0.10%

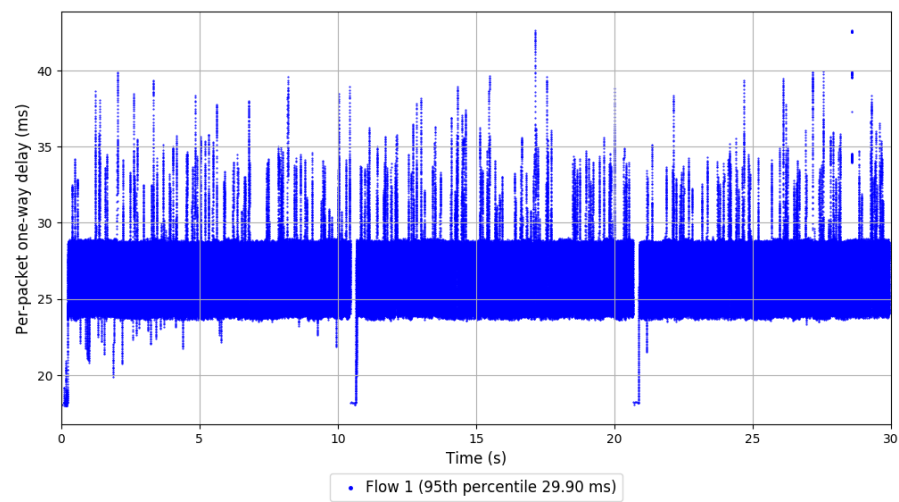
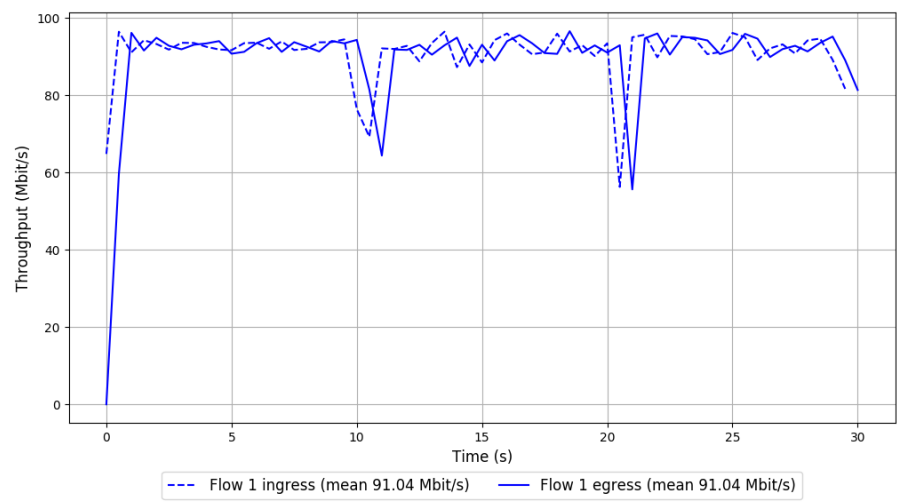
-- Flow 1:

Average throughput: 91.04 Mbit/s

95th percentile per-packet one-way delay: 29.898 ms

Loss rate: 0.10%

Run 7: Report of FillP-Sheep — Data Link



Run 8: Statistics of FillP-Sheep

Start at: 2018-08-22 13:26:17

End at: 2018-08-22 13:26:47

Local clock offset: 2.464 ms

Remote clock offset: -60.879 ms

Below is generated by plot.py at 2018-08-22 14:29:17

Datalink statistics

-- Total of 1 flow:

Average throughput: 92.72 Mbit/s

95th percentile per-packet one-way delay: 29.033 ms

Loss rate: 0.11%

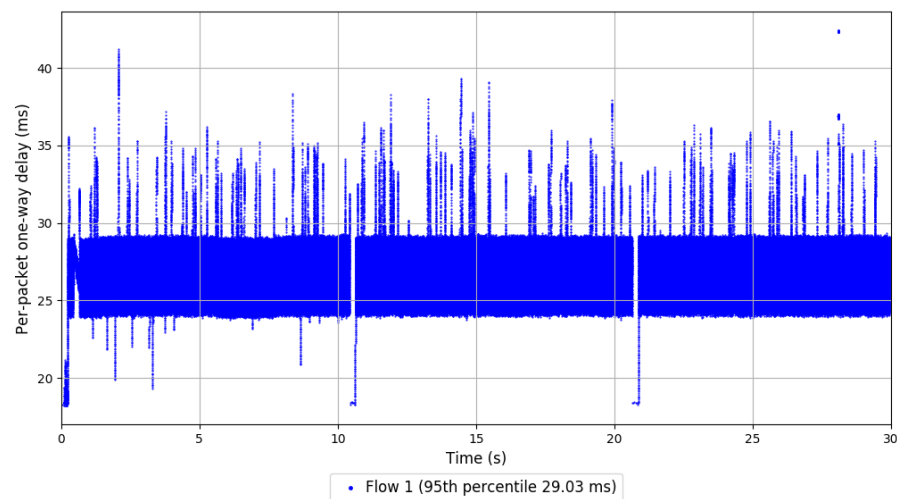
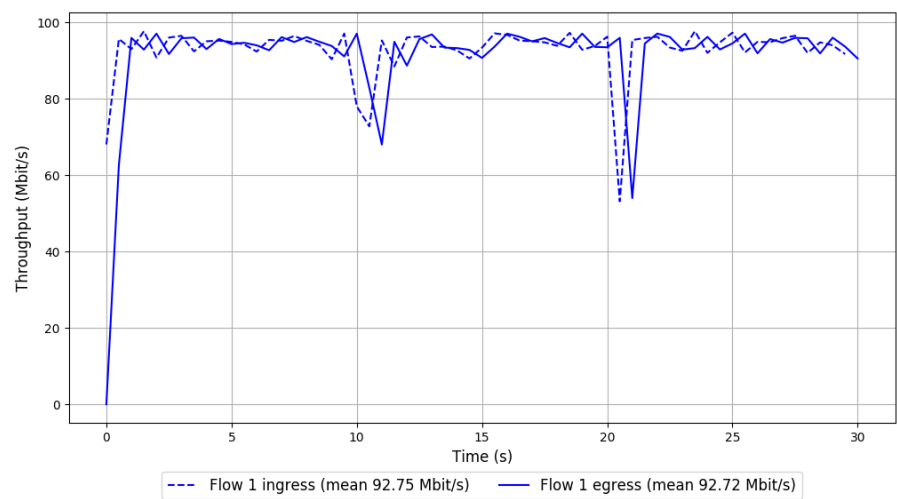
-- Flow 1:

Average throughput: 92.72 Mbit/s

95th percentile per-packet one-way delay: 29.033 ms

Loss rate: 0.11%

Run 8: Report of FillP-Sheep — Data Link



Run 9: Statistics of FillP-Sheep

Start at: 2018-08-22 13:45:45

End at: 2018-08-22 13:46:15

Local clock offset: -0.248 ms

Remote clock offset: -59.958 ms

Below is generated by plot.py at 2018-08-22 14:29:25

Datalink statistics

-- Total of 1 flow:

Average throughput: 92.46 Mbit/s

95th percentile per-packet one-way delay: 26.601 ms

Loss rate: 0.11%

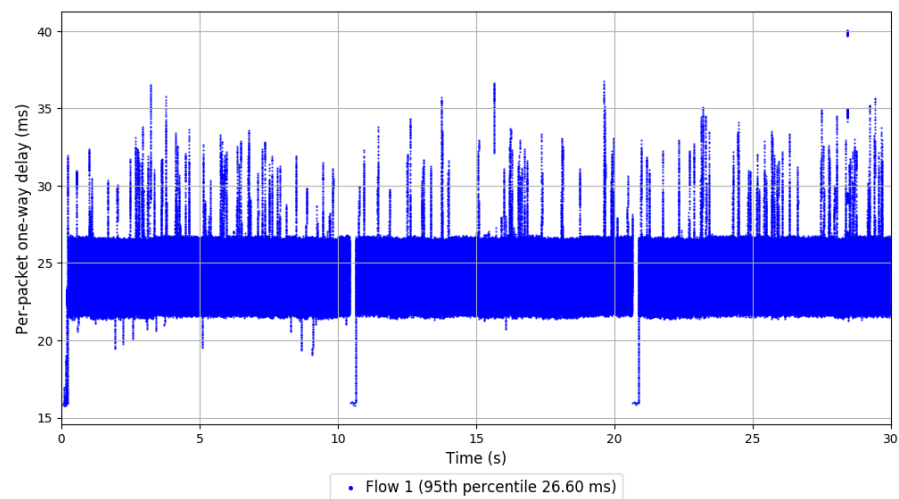
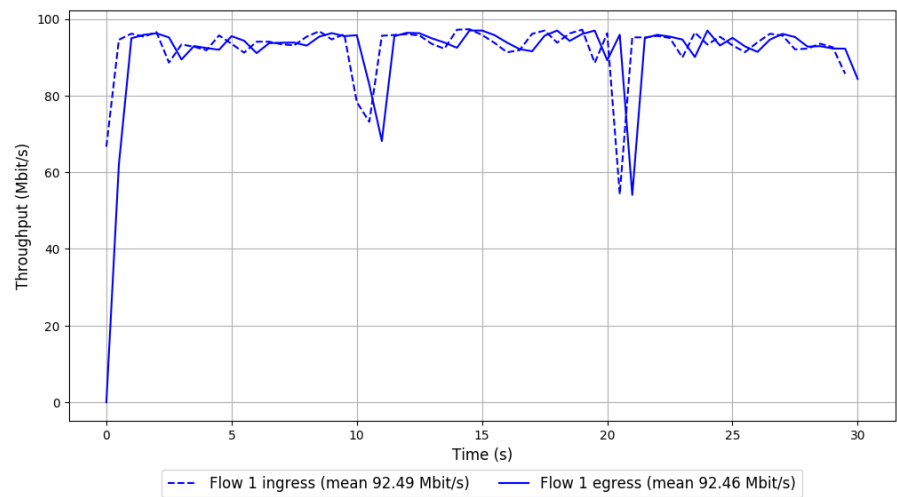
-- Flow 1:

Average throughput: 92.46 Mbit/s

95th percentile per-packet one-way delay: 26.601 ms

Loss rate: 0.11%

Run 9: Report of FillP-Sheep — Data Link

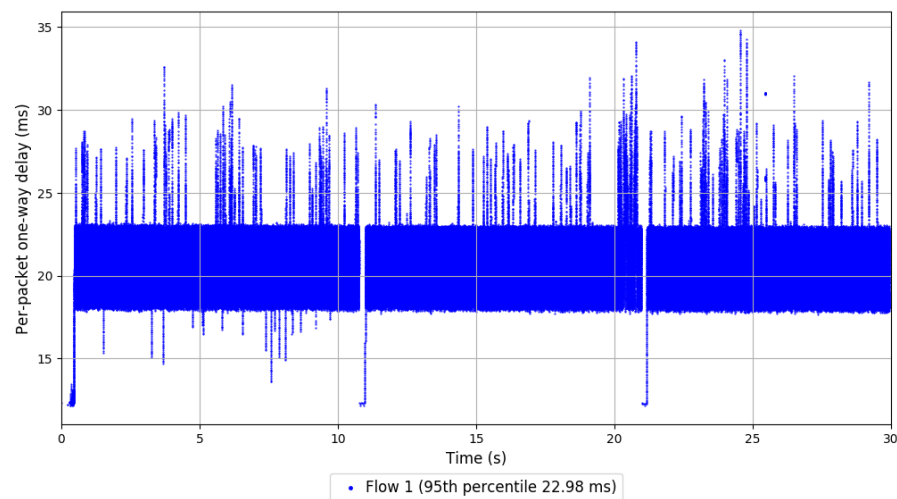
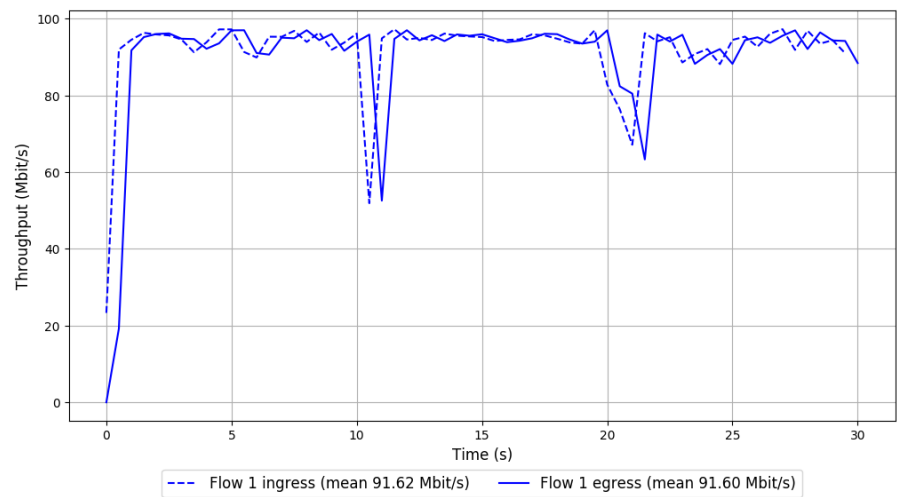


Run 10: Statistics of FillP-Sheep

Start at: 2018-08-22 14:05:11
End at: 2018-08-22 14:05:41
Local clock offset: -3.207 ms
Remote clock offset: -59.135 ms

Below is generated by plot.py at 2018-08-22 14:29:25
Datalink statistics
-- Total of 1 flow:
Average throughput: 91.60 Mbit/s
95th percentile per-packet one-way delay: 22.983 ms
Loss rate: 0.12%
-- Flow 1:
Average throughput: 91.60 Mbit/s
95th percentile per-packet one-way delay: 22.983 ms
Loss rate: 0.12%

Run 10: Report of FillP-Sheep — Data Link

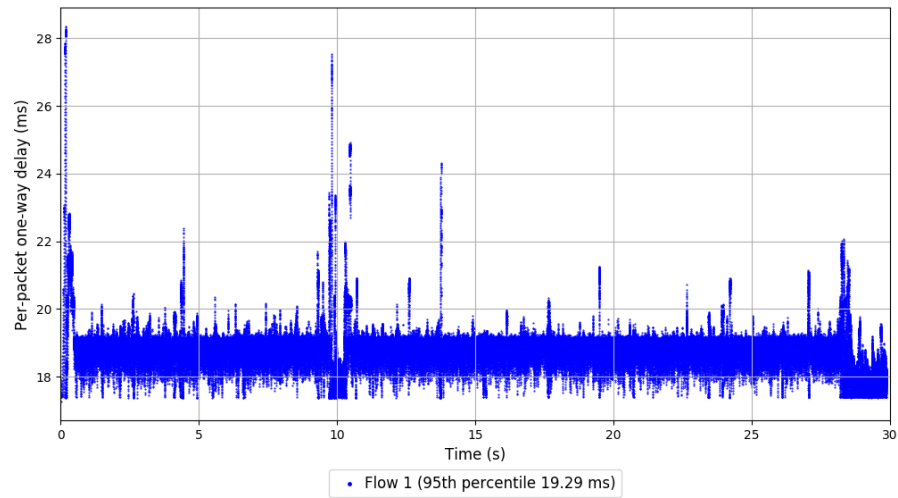
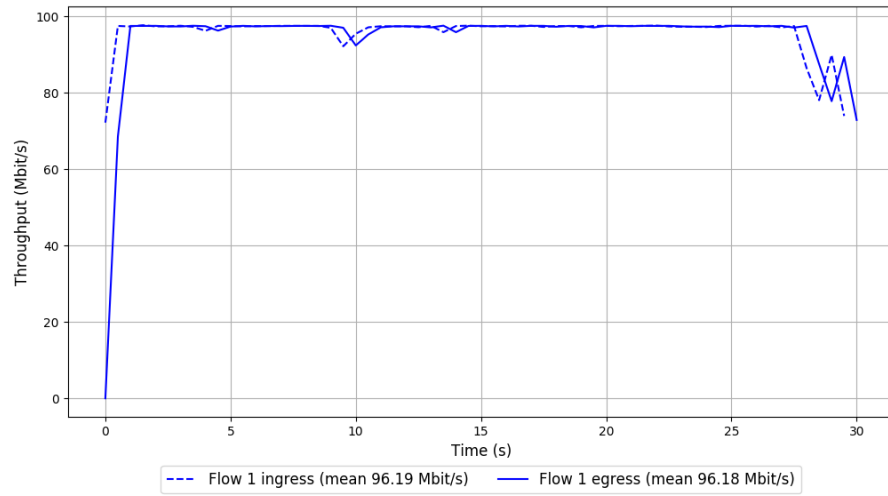


Run 1: Statistics of Indigo

Start at: 2018-08-22 11:02:13
End at: 2018-08-22 11:02:43
Local clock offset: 1.123 ms
Remote clock offset: -60.724 ms

Below is generated by plot.py at 2018-08-22 14:29:25
Datalink statistics
-- Total of 1 flow:
Average throughput: 96.18 Mbit/s
95th percentile per-packet one-way delay: 19.286 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 96.18 Mbit/s
95th percentile per-packet one-way delay: 19.286 ms
Loss rate: 0.08%

Run 1: Report of Indigo — Data Link

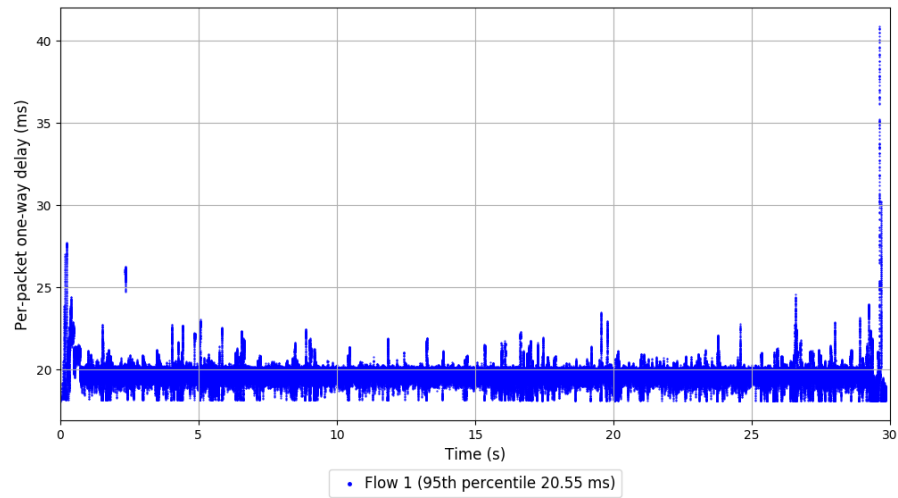
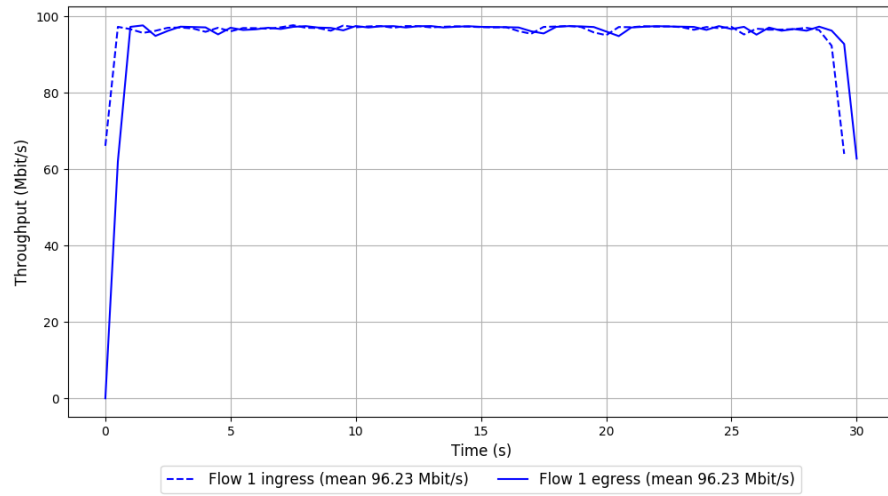


Run 2: Statistics of Indigo

Start at: 2018-08-22 11:23:04
End at: 2018-08-22 11:23:34
Local clock offset: 1.531 ms
Remote clock offset: -62.868 ms

Below is generated by plot.py at 2018-08-22 14:29:25
Datalink statistics
-- Total of 1 flow:
Average throughput: 96.23 Mbit/s
95th percentile per-packet one-way delay: 20.545 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 96.23 Mbit/s
95th percentile per-packet one-way delay: 20.545 ms
Loss rate: 0.08%

Run 2: Report of Indigo — Data Link

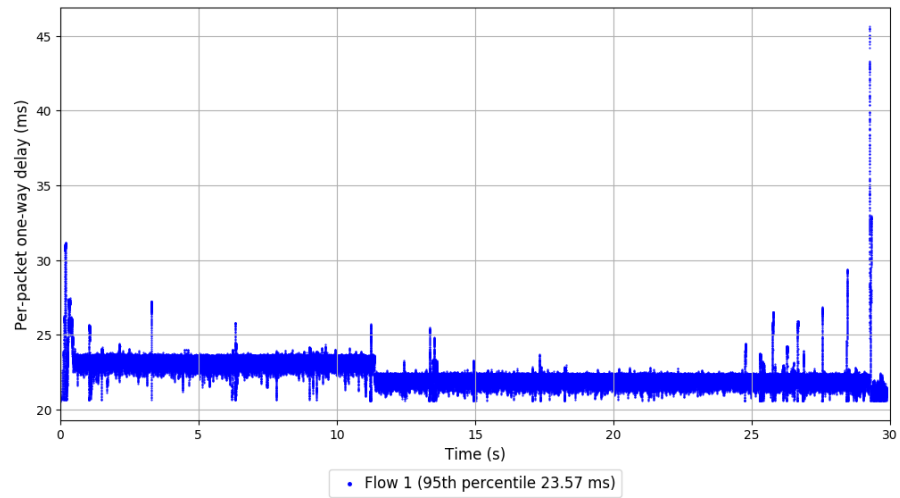
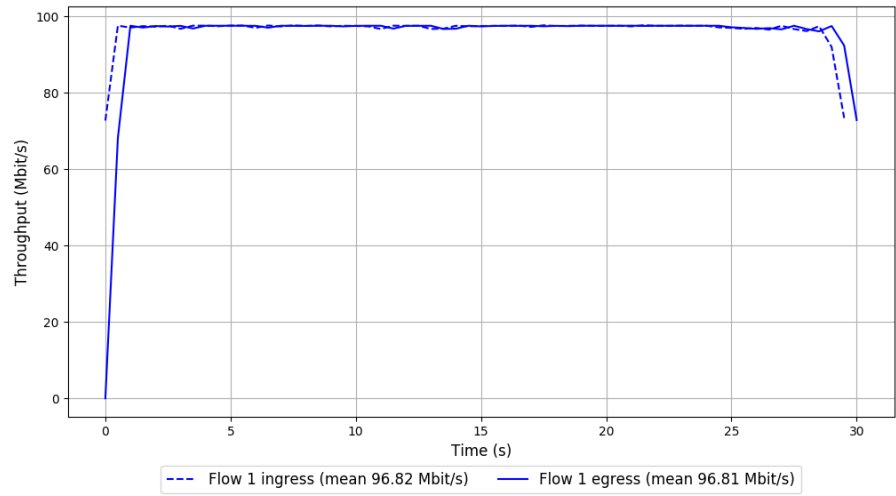


Run 3: Statistics of Indigo

Start at: 2018-08-22 11:43:21
End at: 2018-08-22 11:43:51
Local clock offset: 2.198 ms
Remote clock offset: -67.007 ms

Below is generated by plot.py at 2018-08-22 14:29:25
Datalink statistics
-- Total of 1 flow:
Average throughput: 96.81 Mbit/s
95th percentile per-packet one-way delay: 23.573 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 96.81 Mbit/s
95th percentile per-packet one-way delay: 23.573 ms
Loss rate: 0.08%

Run 3: Report of Indigo — Data Link

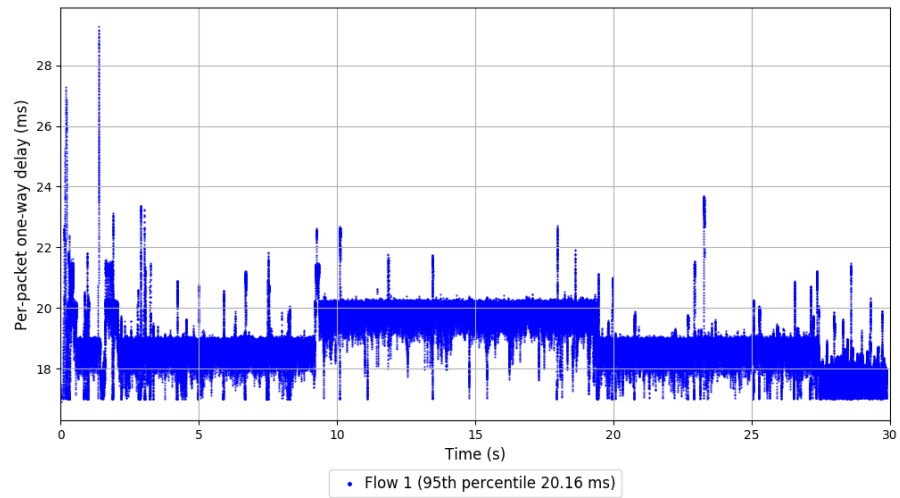
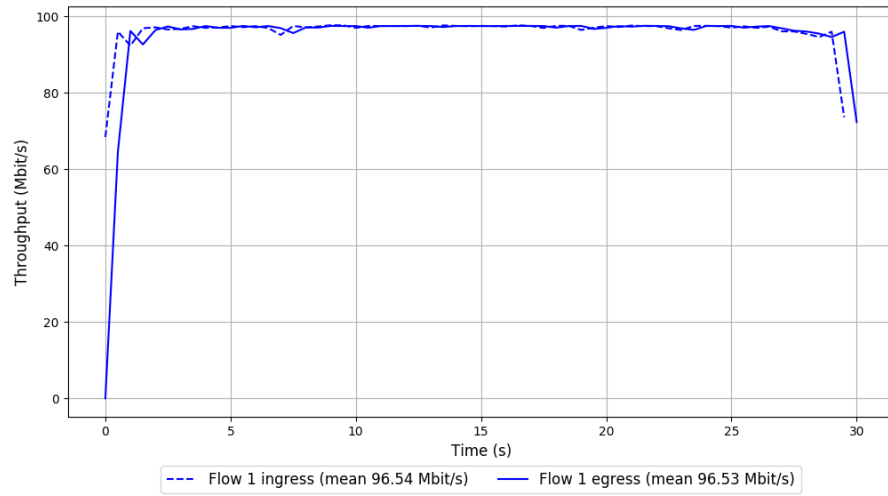


Run 4: Statistics of Indigo

Start at: 2018-08-22 12:02:54
End at: 2018-08-22 12:03:24
Local clock offset: 1.554 ms
Remote clock offset: -62.372 ms

Below is generated by plot.py at 2018-08-22 14:29:30
Datalink statistics
-- Total of 1 flow:
Average throughput: 96.53 Mbit/s
95th percentile per-packet one-way delay: 20.162 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 96.53 Mbit/s
95th percentile per-packet one-way delay: 20.162 ms
Loss rate: 0.08%

Run 4: Report of Indigo — Data Link

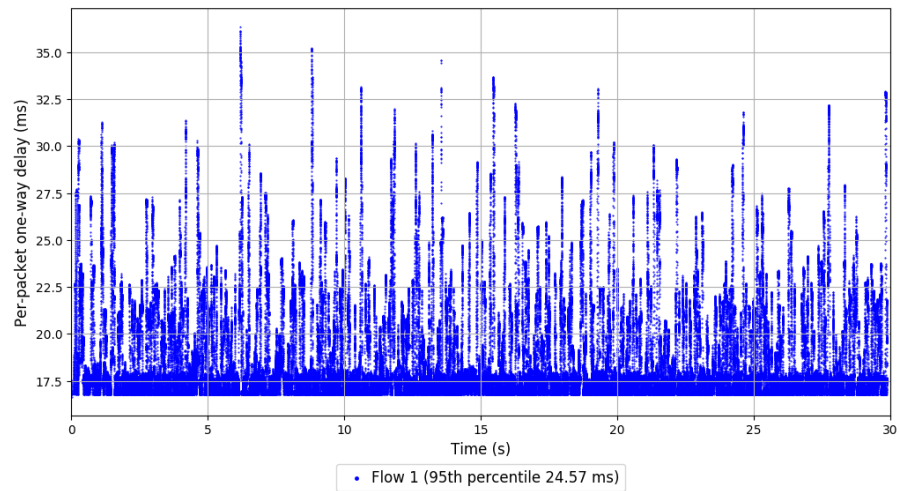
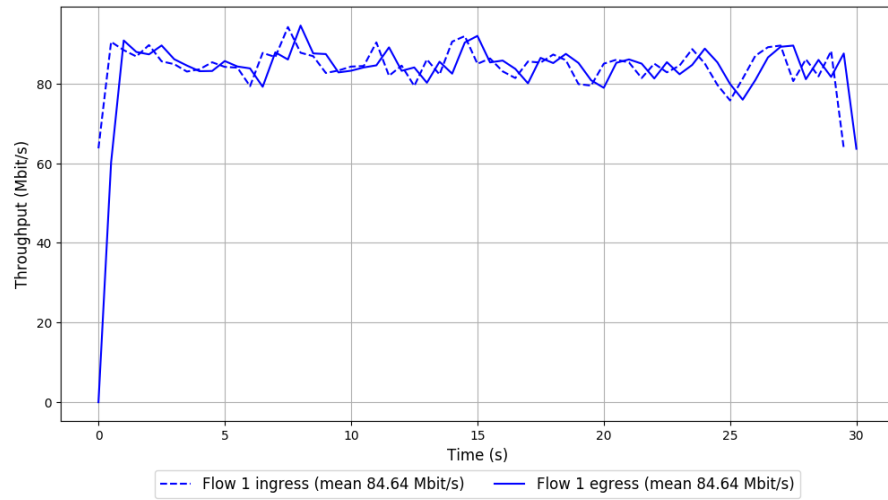


Run 5: Statistics of Indigo

Start at: 2018-08-22 12:22:21
End at: 2018-08-22 12:22:51
Local clock offset: 1.079 ms
Remote clock offset: -61.608 ms

Below is generated by plot.py at 2018-08-22 14:30:04
Datalink statistics
-- Total of 1 flow:
Average throughput: 84.64 Mbit/s
95th percentile per-packet one-way delay: 24.575 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 84.64 Mbit/s
95th percentile per-packet one-way delay: 24.575 ms
Loss rate: 0.08%

Run 5: Report of Indigo — Data Link

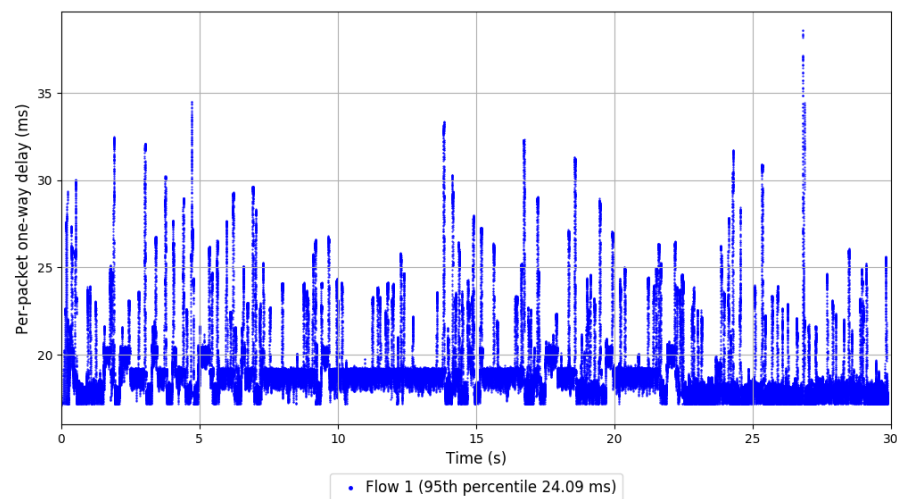
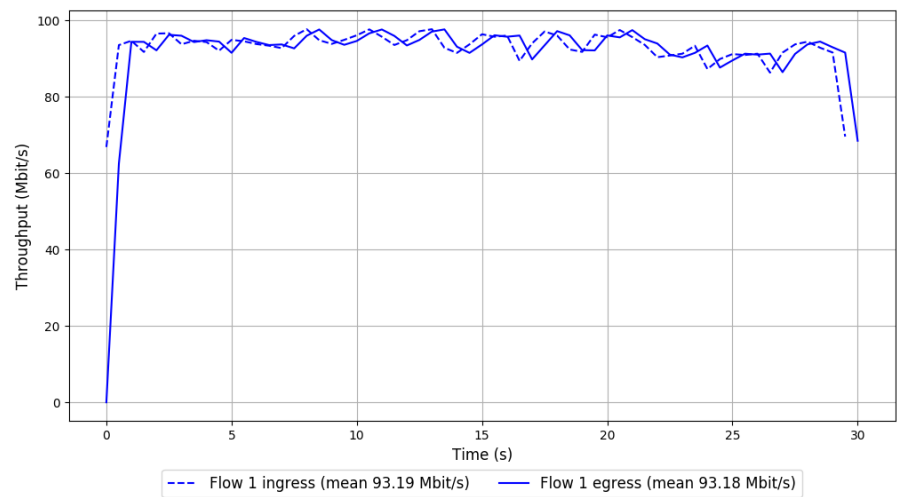


Run 6: Statistics of Indigo

Start at: 2018-08-22 12:41:42
End at: 2018-08-22 12:42:12
Local clock offset: 1.297 ms
Remote clock offset: -61.171 ms

Below is generated by plot.py at 2018-08-22 14:30:21
Datalink statistics
-- Total of 1 flow:
Average throughput: 93.18 Mbit/s
95th percentile per-packet one-way delay: 24.087 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 93.18 Mbit/s
95th percentile per-packet one-way delay: 24.087 ms
Loss rate: 0.08%

Run 6: Report of Indigo — Data Link

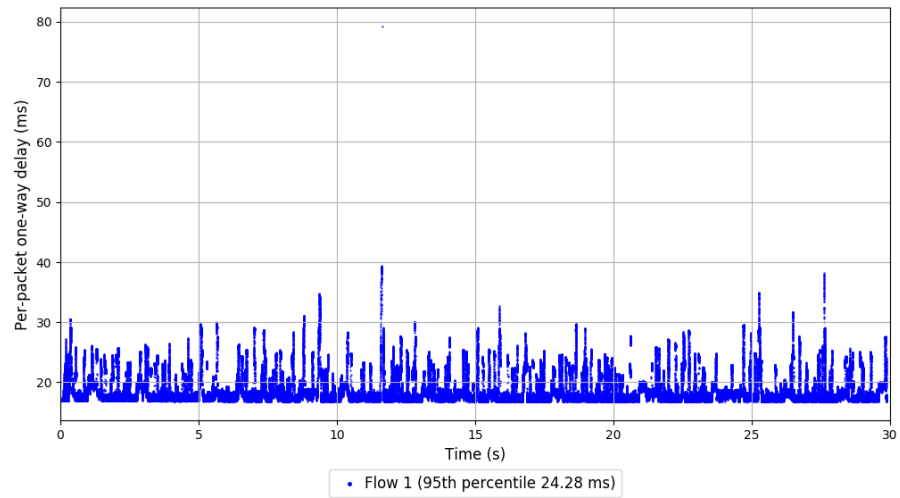
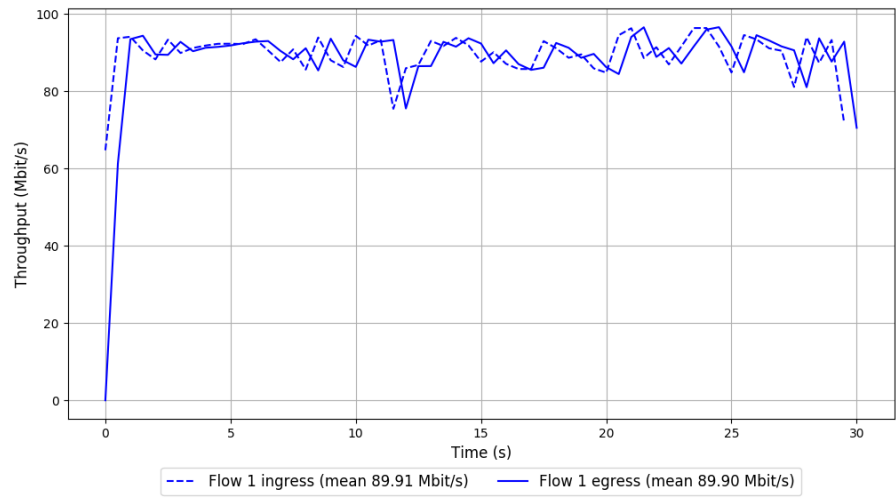


Run 7: Statistics of Indigo

Start at: 2018-08-22 13:01:03
End at: 2018-08-22 13:01:33
Local clock offset: 1.085 ms
Remote clock offset: -61.007 ms

Below is generated by plot.py at 2018-08-22 14:30:21
Datalink statistics
-- Total of 1 flow:
Average throughput: 89.90 Mbit/s
95th percentile per-packet one-way delay: 24.283 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 89.90 Mbit/s
95th percentile per-packet one-way delay: 24.283 ms
Loss rate: 0.09%

Run 7: Report of Indigo — Data Link

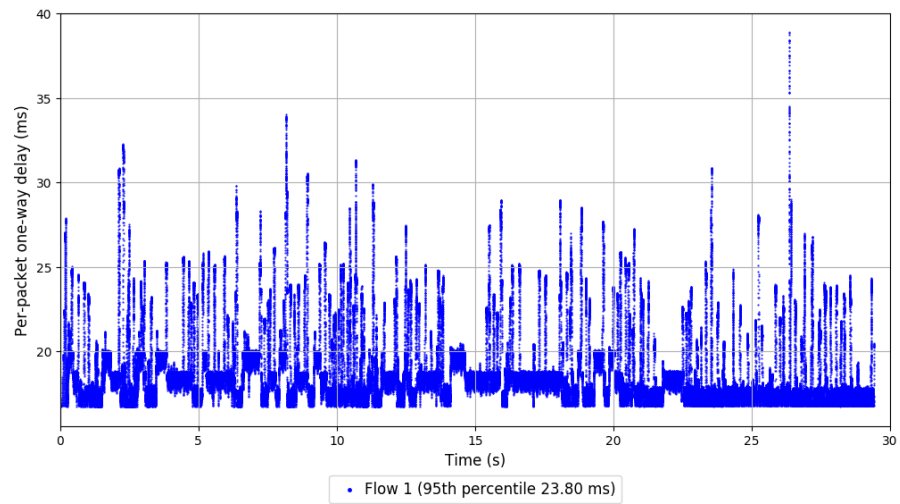
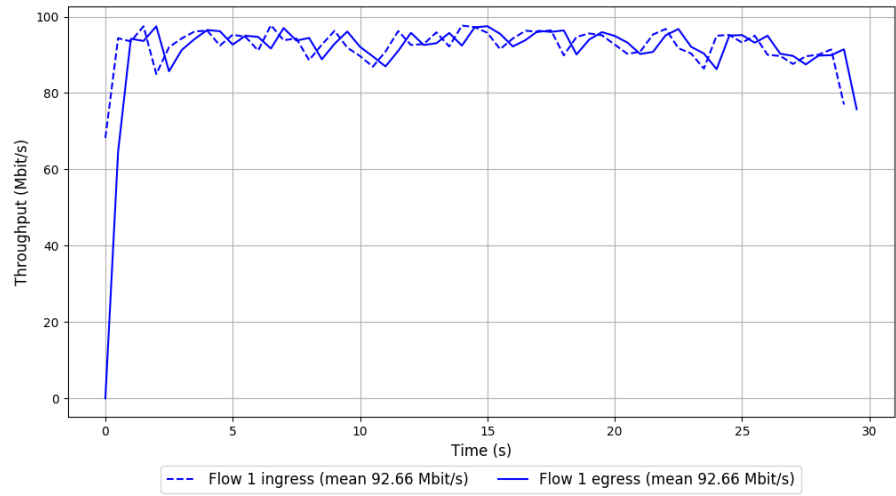


Run 8: Statistics of Indigo

Start at: 2018-08-22 13:20:30
End at: 2018-08-22 13:21:00
Local clock offset: -0.102 ms
Remote clock offset: -62.037 ms

Below is generated by plot.py at 2018-08-22 14:30:22
Datalink statistics
-- Total of 1 flow:
Average throughput: 92.66 Mbit/s
95th percentile per-packet one-way delay: 23.799 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 92.66 Mbit/s
95th percentile per-packet one-way delay: 23.799 ms
Loss rate: 0.08%

Run 8: Report of Indigo — Data Link

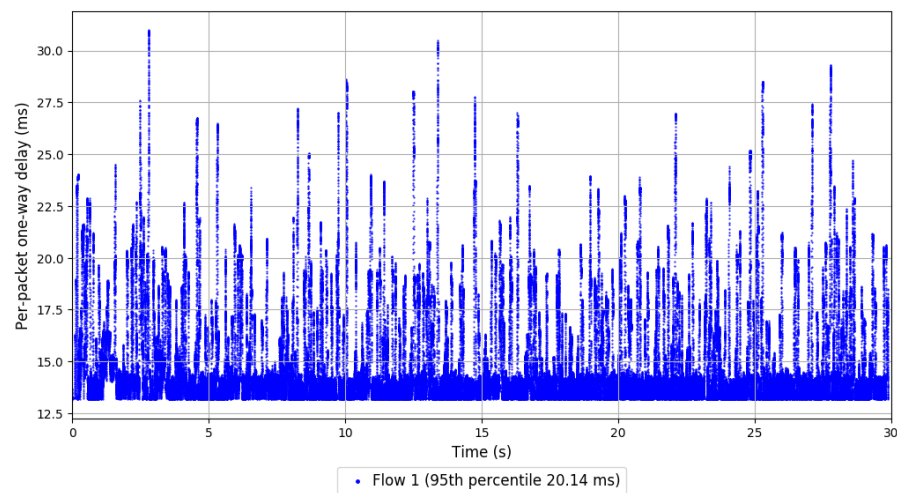
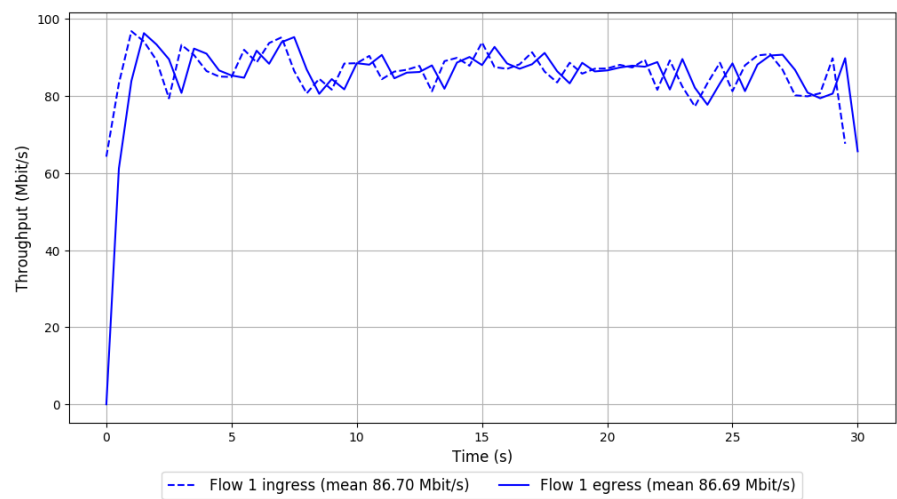


Run 9: Statistics of Indigo

Start at: 2018-08-22 13:40:05
End at: 2018-08-22 13:40:35
Local clock offset: -3.051 ms
Remote clock offset: -60.058 ms

Below is generated by plot.py at 2018-08-22 14:30:22
Datalink statistics
-- Total of 1 flow:
Average throughput: 86.69 Mbit/s
95th percentile per-packet one-way delay: 20.142 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 86.69 Mbit/s
95th percentile per-packet one-way delay: 20.142 ms
Loss rate: 0.09%

Run 9: Report of Indigo — Data Link

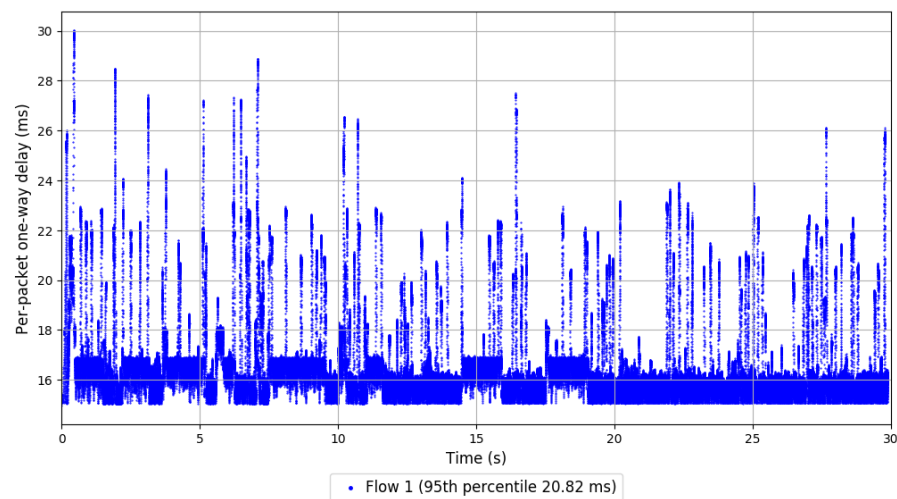
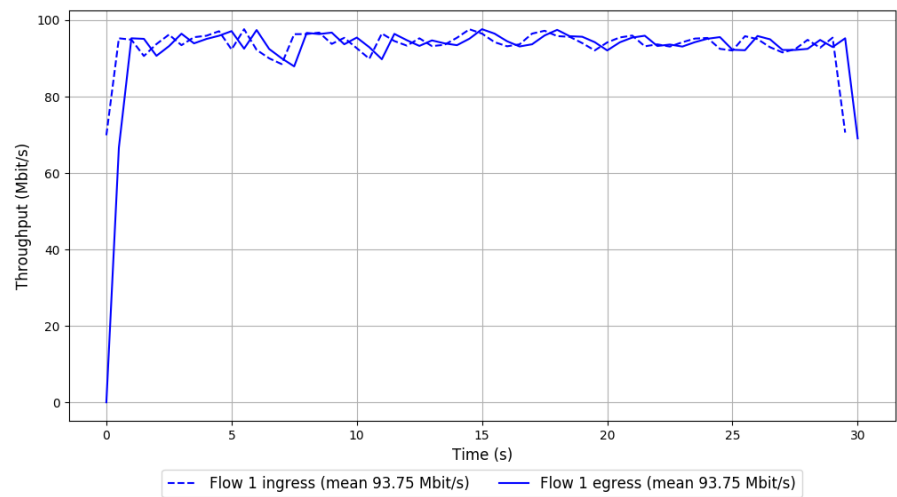


Run 10: Statistics of Indigo

Start at: 2018-08-22 13:59:33
End at: 2018-08-22 14:00:03
Local clock offset: -0.322 ms
Remote clock offset: -59.054 ms

Below is generated by plot.py at 2018-08-22 14:30:30
Datalink statistics
-- Total of 1 flow:
Average throughput: 93.75 Mbit/s
95th percentile per-packet one-way delay: 20.815 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 93.75 Mbit/s
95th percentile per-packet one-way delay: 20.815 ms
Loss rate: 0.08%

Run 10: Report of Indigo — Data Link

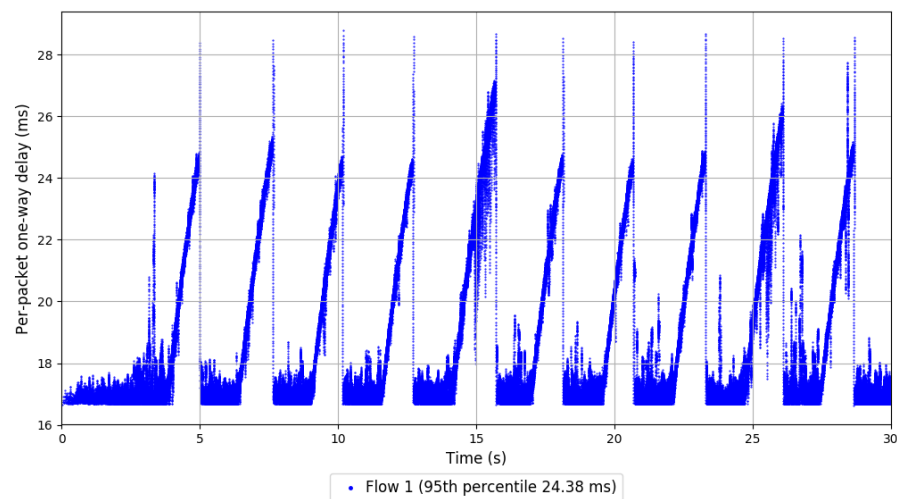
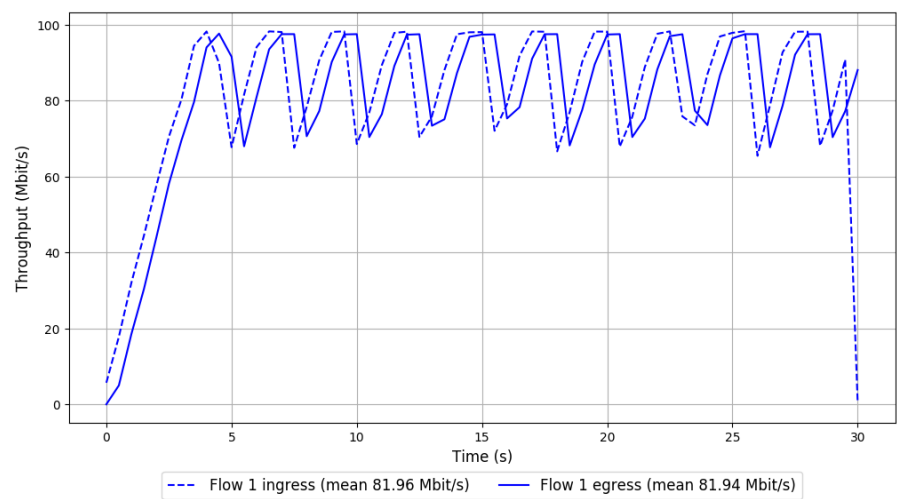


Run 1: Statistics of LEDBAT

Start at: 2018-08-22 11:07:06
End at: 2018-08-22 11:07:36
Local clock offset: 0.733 ms
Remote clock offset: -60.333 ms

Below is generated by plot.py at 2018-08-22 14:30:30
Datalink statistics
-- Total of 1 flow:
Average throughput: 81.94 Mbit/s
95th percentile per-packet one-way delay: 24.378 ms
Loss rate: 0.12%
-- Flow 1:
Average throughput: 81.94 Mbit/s
95th percentile per-packet one-way delay: 24.378 ms
Loss rate: 0.12%

Run 1: Report of LEDBAT — Data Link

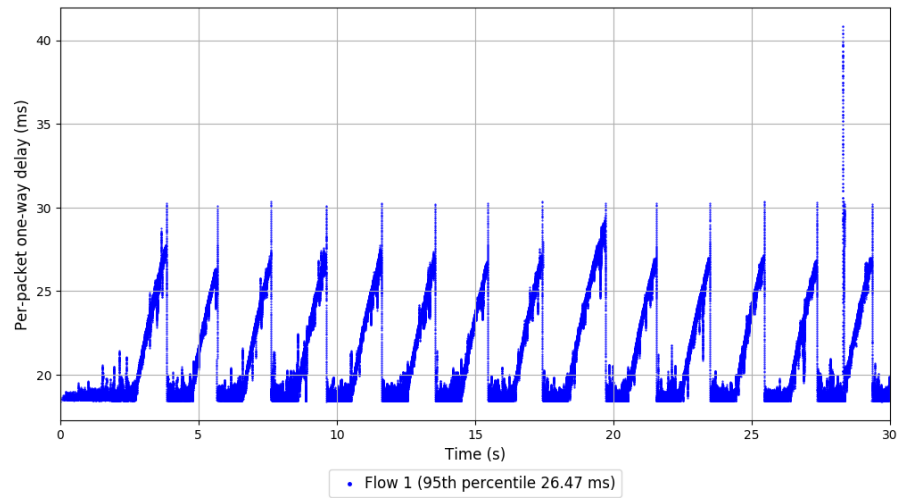
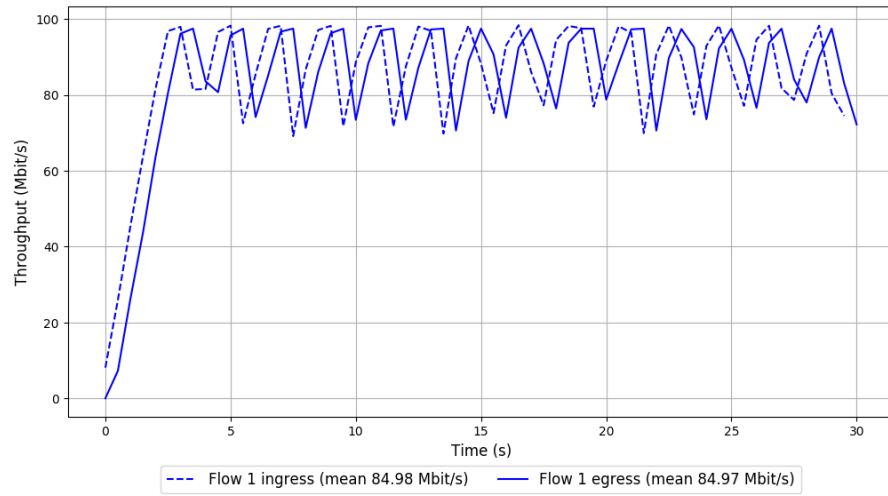


Run 2: Statistics of LEDBAT

Start at: 2018-08-22 11:27:52
End at: 2018-08-22 11:28:22
Local clock offset: 2.155 ms
Remote clock offset: -63.145 ms

Below is generated by plot.py at 2018-08-22 14:30:32
Datalink statistics
-- Total of 1 flow:
Average throughput: 84.97 Mbit/s
95th percentile per-packet one-way delay: 26.469 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 84.97 Mbit/s
95th percentile per-packet one-way delay: 26.469 ms
Loss rate: 0.09%

Run 2: Report of LEDBAT — Data Link

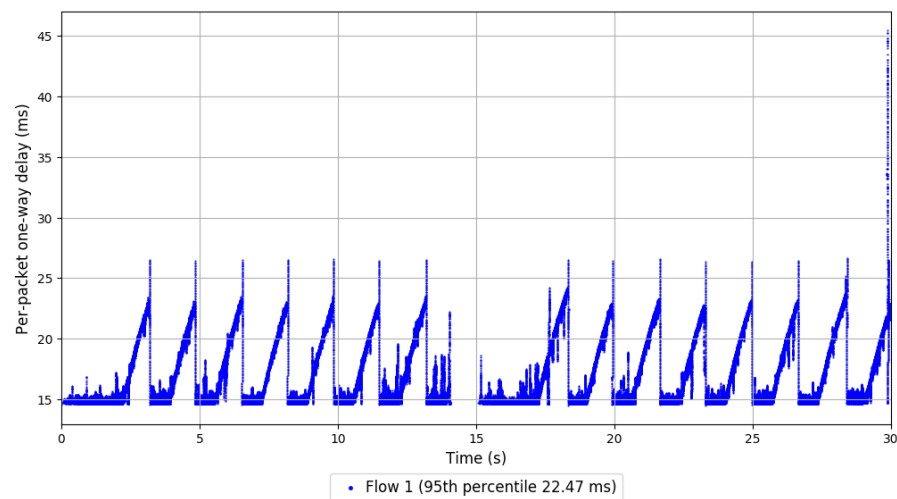
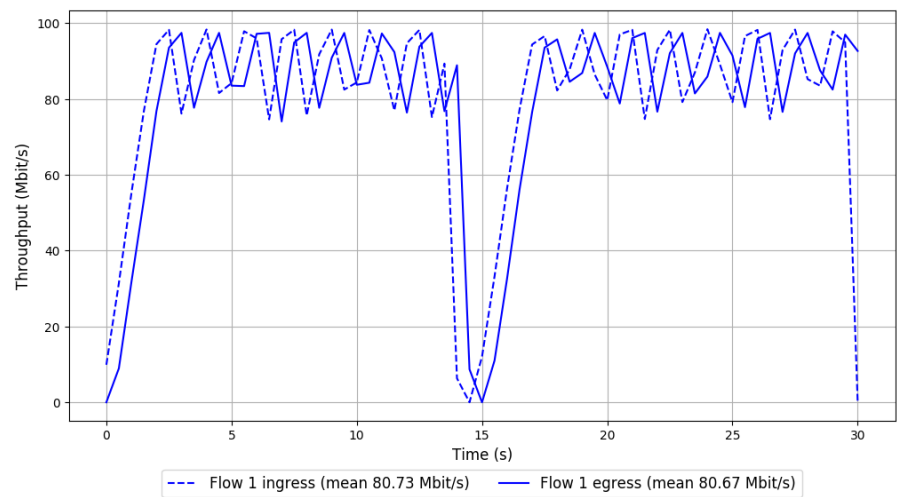


Run 3: Statistics of LEDBAT

Start at: 2018-08-22 11:47:57
End at: 2018-08-22 11:48:27
Local clock offset: -1.289 ms
Remote clock offset: -65.057 ms

Below is generated by plot.py at 2018-08-22 14:31:05
Datalink statistics
-- Total of 1 flow:
Average throughput: 80.67 Mbit/s
95th percentile per-packet one-way delay: 22.467 ms
Loss rate: 0.15%
-- Flow 1:
Average throughput: 80.67 Mbit/s
95th percentile per-packet one-way delay: 22.467 ms
Loss rate: 0.15%

Run 3: Report of LEDBAT — Data Link

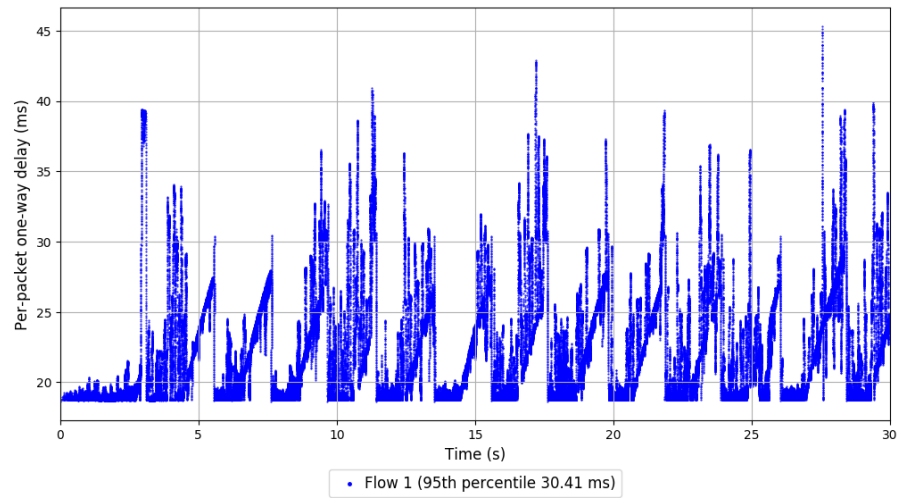
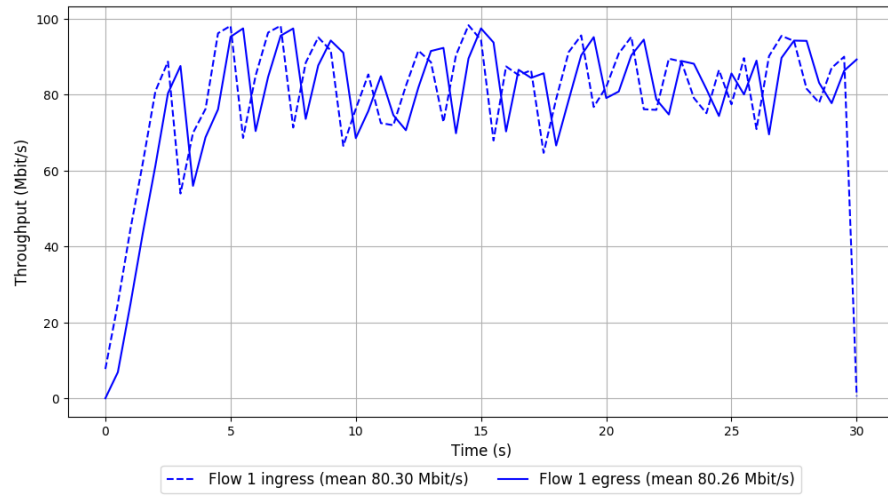


Run 4: Statistics of LEDBAT

Start at: 2018-08-22 12:07:23
End at: 2018-08-22 12:07:53
Local clock offset: 3.313 ms
Remote clock offset: -62.154 ms

Below is generated by plot.py at 2018-08-22 14:31:19
Datalink statistics
-- Total of 1 flow:
Average throughput: 80.26 Mbit/s
95th percentile per-packet one-way delay: 30.407 ms
Loss rate: 0.12%
-- Flow 1:
Average throughput: 80.26 Mbit/s
95th percentile per-packet one-way delay: 30.407 ms
Loss rate: 0.12%

Run 4: Report of LEDBAT — Data Link

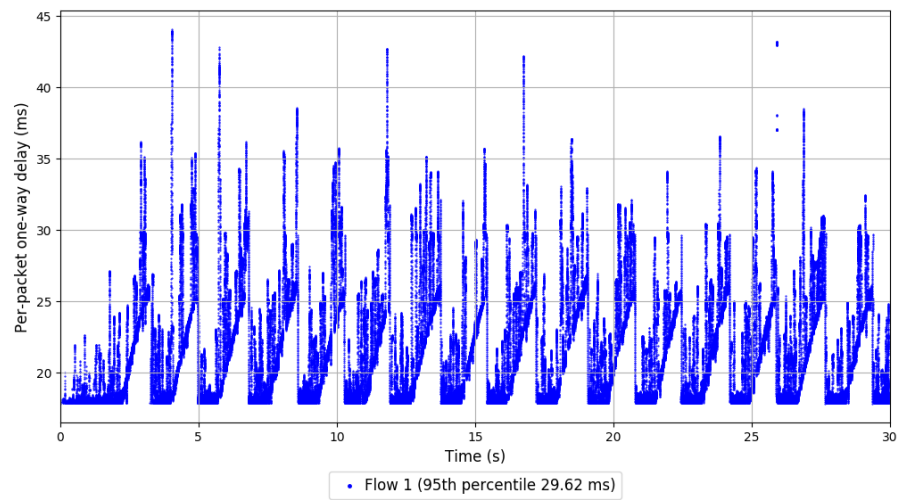
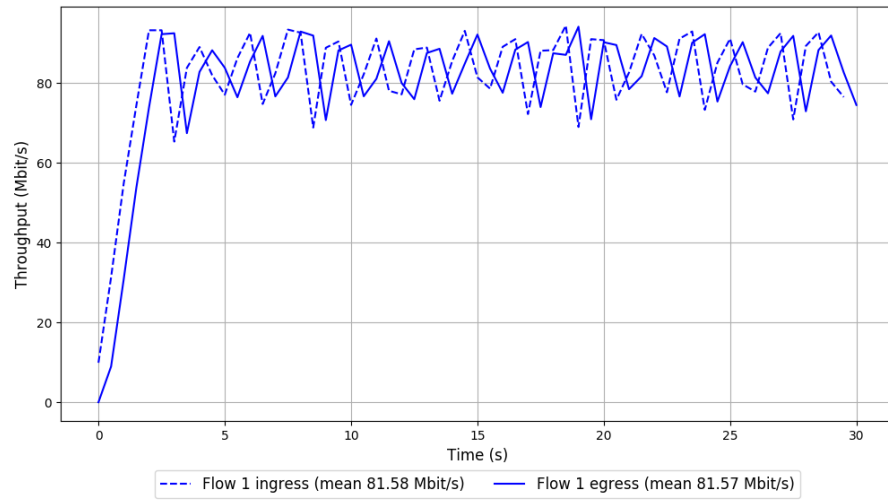


Run 5: Statistics of LEDBAT

Start at: 2018-08-22 12:26:50
End at: 2018-08-22 12:27:20
Local clock offset: 1.566 ms
Remote clock offset: -62.136 ms

Below is generated by plot.py at 2018-08-22 14:31:20
Datalink statistics
-- Total of 1 flow:
Average throughput: 81.57 Mbit/s
95th percentile per-packet one-way delay: 29.625 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 81.57 Mbit/s
95th percentile per-packet one-way delay: 29.625 ms
Loss rate: 0.10%

Run 5: Report of LEDBAT — Data Link

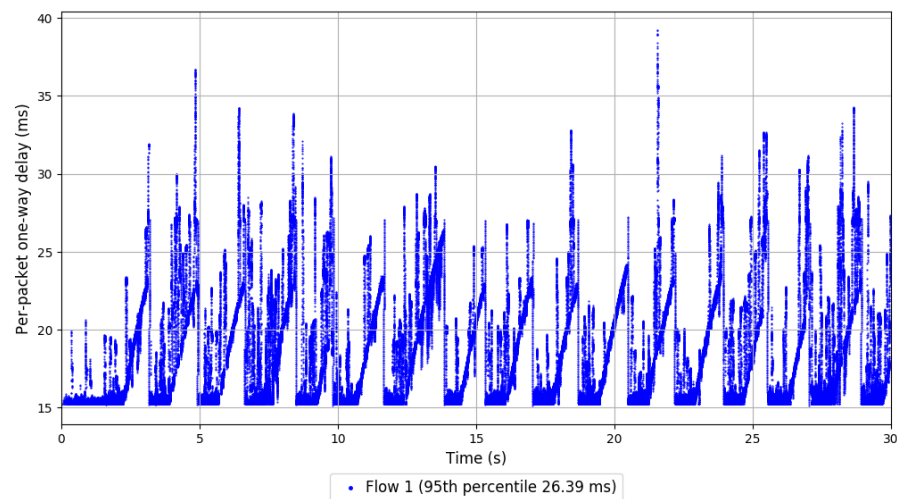
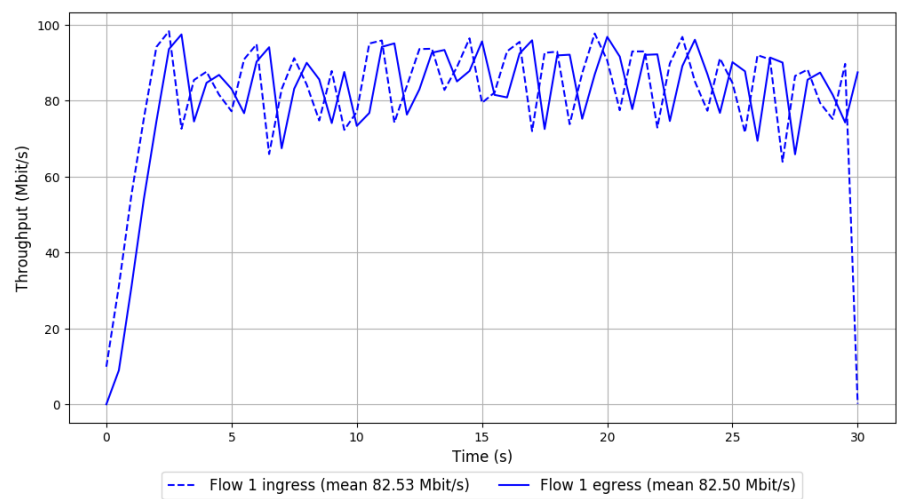


Run 6: Statistics of LEDBAT

Start at: 2018-08-22 12:46:16
End at: 2018-08-22 12:46:46
Local clock offset: -1.244 ms
Remote clock offset: -61.558 ms

Below is generated by plot.py at 2018-08-22 14:31:21
Datalink statistics
-- Total of 1 flow:
Average throughput: 82.50 Mbit/s
95th percentile per-packet one-way delay: 26.393 ms
Loss rate: 0.11%
-- Flow 1:
Average throughput: 82.50 Mbit/s
95th percentile per-packet one-way delay: 26.393 ms
Loss rate: 0.11%

Run 6: Report of LEDBAT — Data Link

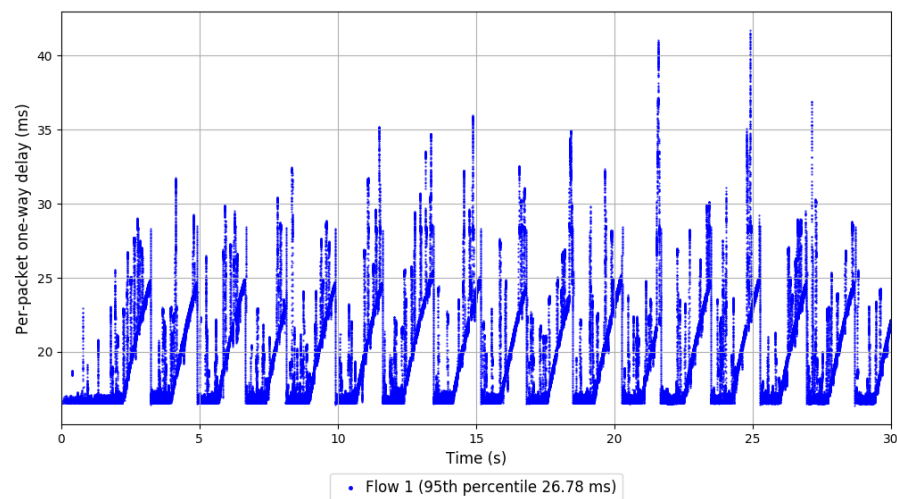
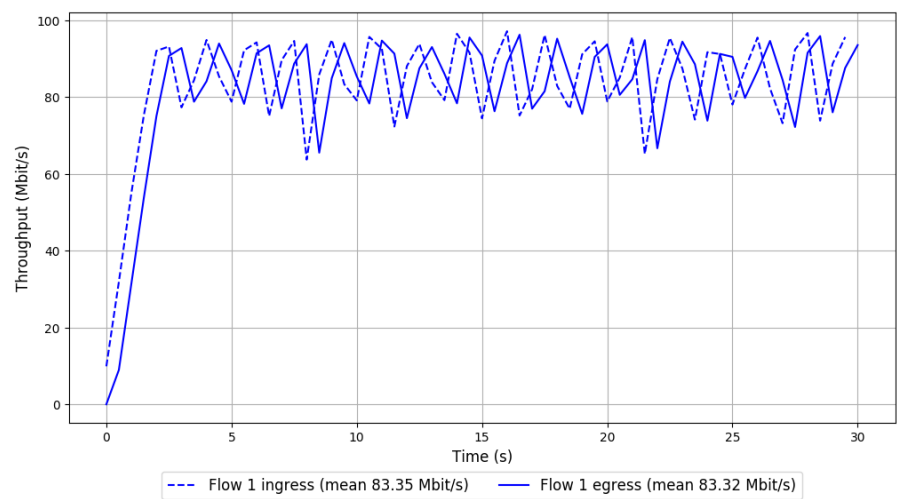


Run 7: Statistics of LEDBAT

Start at: 2018-08-22 13:05:34
End at: 2018-08-22 13:06:05
Local clock offset: 0.147 ms
Remote clock offset: -61.896 ms

Below is generated by plot.py at 2018-08-22 14:31:22
Datalink statistics
-- Total of 1 flow:
Average throughput: 83.32 Mbit/s
95th percentile per-packet one-way delay: 26.782 ms
Loss rate: 0.12%
-- Flow 1:
Average throughput: 83.32 Mbit/s
95th percentile per-packet one-way delay: 26.782 ms
Loss rate: 0.12%

Run 7: Report of LEDBAT — Data Link

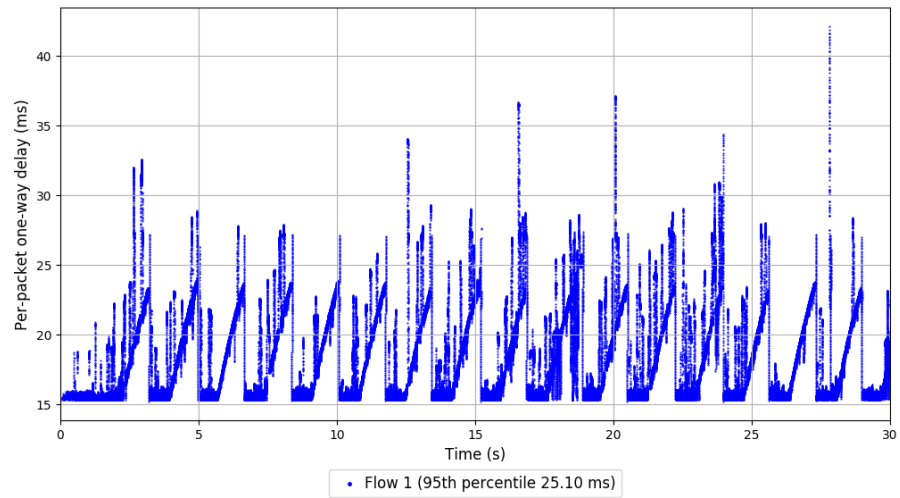
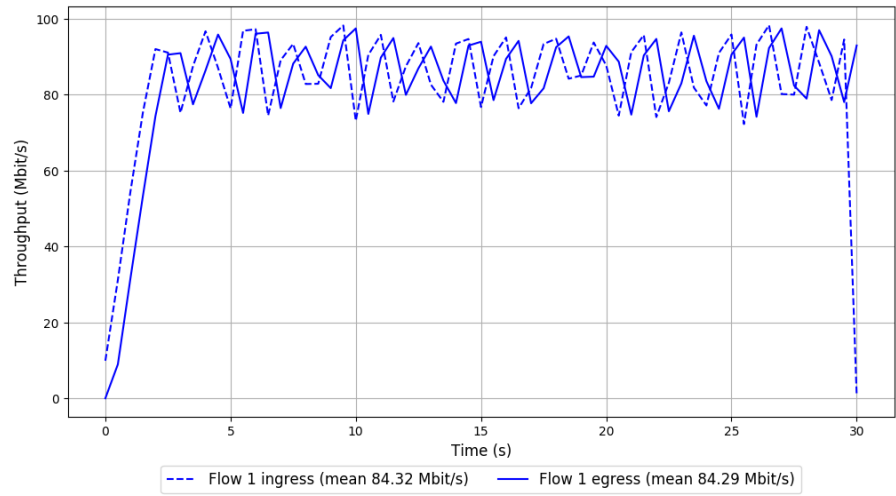


Run 8: Statistics of LEDBAT

Start at: 2018-08-22 13:25:06
End at: 2018-08-22 13:25:36
Local clock offset: -1.196 ms
Remote clock offset: -61.499 ms

Below is generated by plot.py at 2018-08-22 14:31:24
Datalink statistics
-- Total of 1 flow:
Average throughput: 84.29 Mbit/s
95th percentile per-packet one-way delay: 25.104 ms
Loss rate: 0.11%
-- Flow 1:
Average throughput: 84.29 Mbit/s
95th percentile per-packet one-way delay: 25.104 ms
Loss rate: 0.11%

Run 8: Report of LEDBAT — Data Link

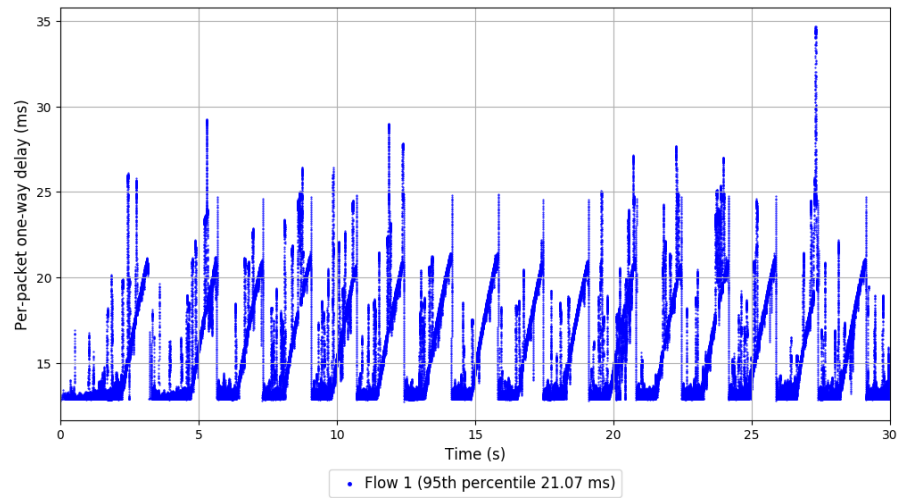
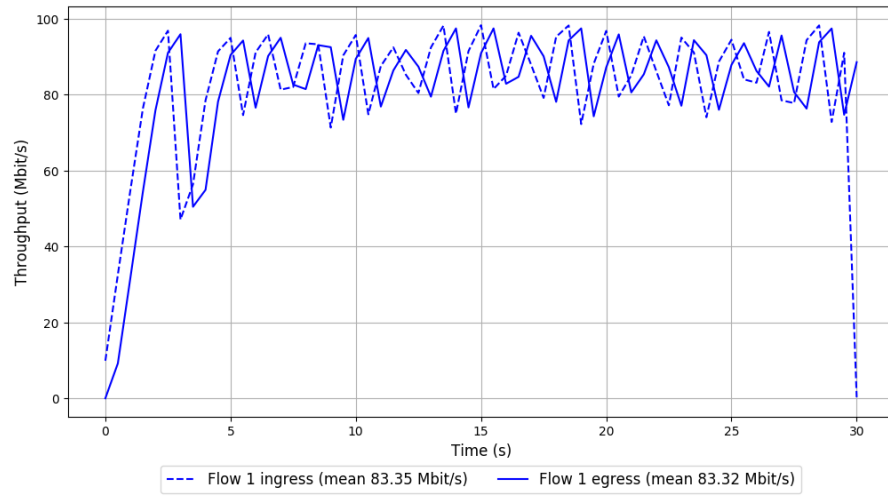


Run 9: Statistics of LEDBAT

Start at: 2018-08-22 13:44:35
End at: 2018-08-22 13:45:05
Local clock offset: -3.234 ms
Remote clock offset: -59.888 ms

Below is generated by plot.py at 2018-08-22 14:31:31
Datalink statistics
-- Total of 1 flow:
Average throughput: 83.32 Mbit/s
95th percentile per-packet one-way delay: 21.065 ms
Loss rate: 0.11%
-- Flow 1:
Average throughput: 83.32 Mbit/s
95th percentile per-packet one-way delay: 21.065 ms
Loss rate: 0.11%

Run 9: Report of LEDBAT — Data Link

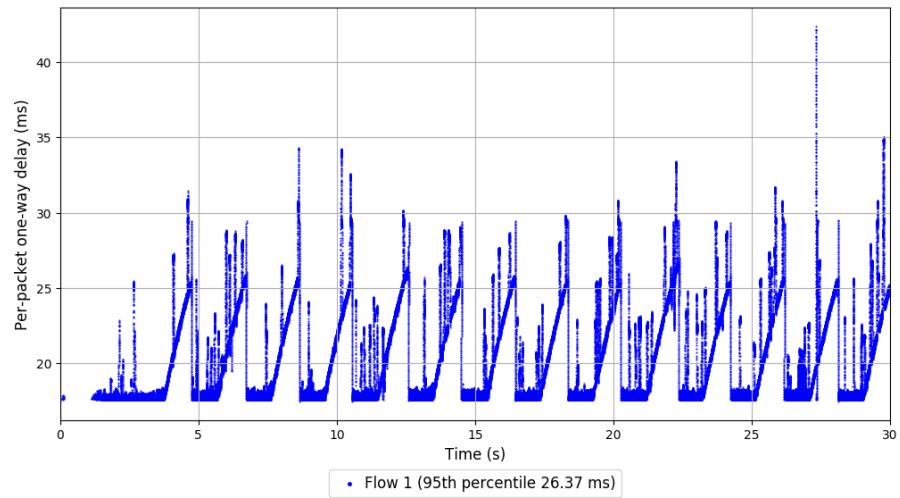
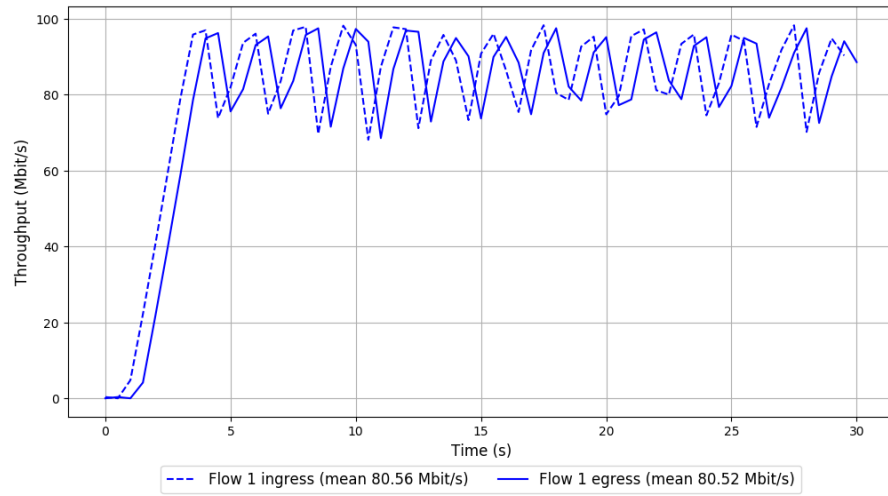


Run 10: Statistics of LEDBAT

Start at: 2018-08-22 14:04:03
End at: 2018-08-22 14:04:33
Local clock offset: 1.595 ms
Remote clock offset: -59.515 ms

Below is generated by plot.py at 2018-08-22 14:31:32
Datalink statistics
-- Total of 1 flow:
Average throughput: 80.52 Mbit/s
95th percentile per-packet one-way delay: 26.366 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 80.52 Mbit/s
95th percentile per-packet one-way delay: 26.366 ms
Loss rate: 0.13%

Run 10: Report of LEDBAT — Data Link

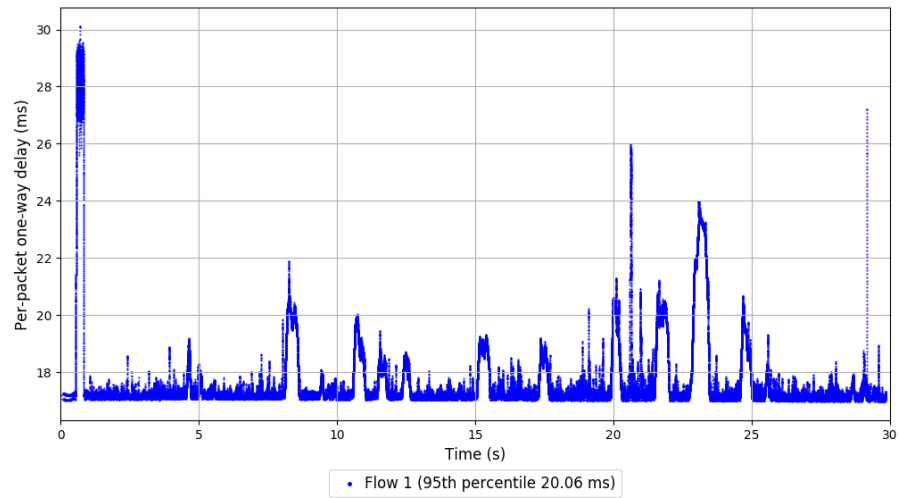
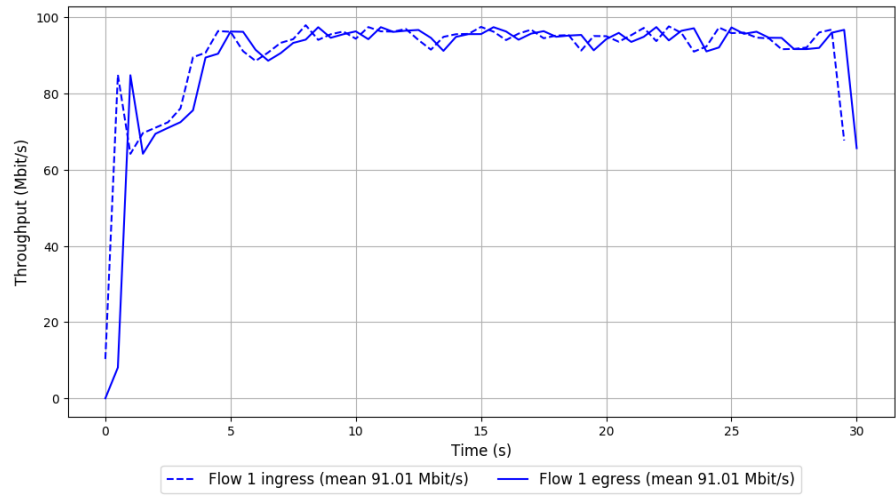


```
Run 1: Statistics of PCC-Allegro

Start at: 2018-08-22 11:18:02
End at: 2018-08-22 11:18:32
Local clock offset: 1.558 ms
Remote clock offset: -61.05 ms

# Below is generated by plot.py at 2018-08-22 14:32:13
# Datalink statistics
-- Total of 1 flow:
Average throughput: 91.01 Mbit/s
95th percentile per-packet one-way delay: 20.058 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 91.01 Mbit/s
95th percentile per-packet one-way delay: 20.058 ms
Loss rate: 0.10%
```

Run 1: Report of PCC-Allegro — Data Link

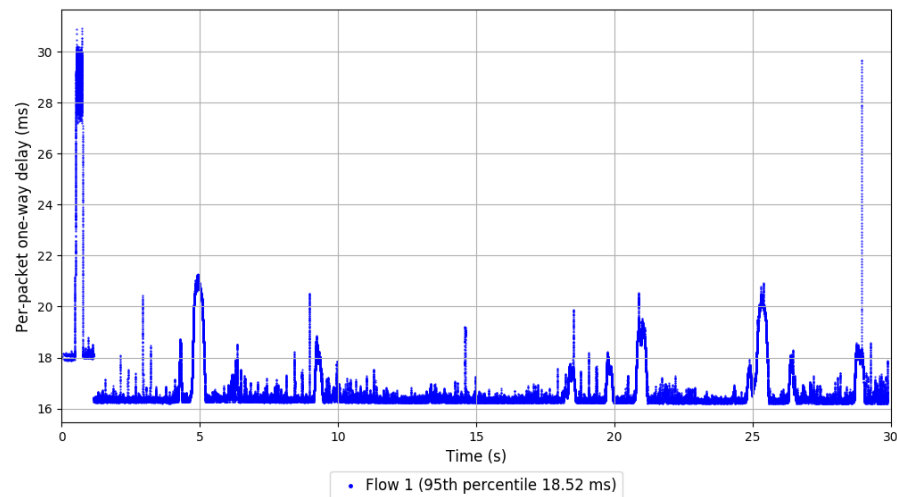
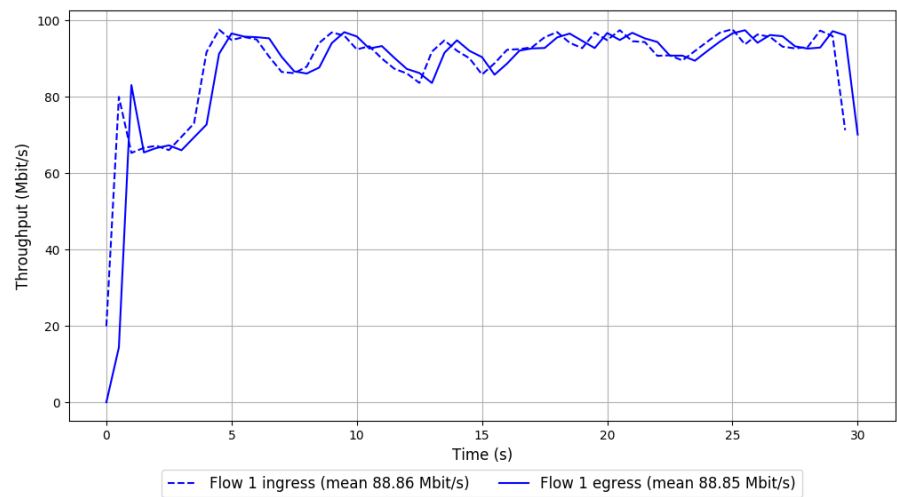


Run 2: Statistics of PCC-Allegro

Start at: 2018-08-22 11:38:30
End at: 2018-08-22 11:39:00
Local clock offset: -0.261 ms
Remote clock offset: -64.51 ms

Below is generated by plot.py at 2018-08-22 14:32:22
Datalink statistics
-- Total of 1 flow:
Average throughput: 88.85 Mbit/s
95th percentile per-packet one-way delay: 18.522 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 88.85 Mbit/s
95th percentile per-packet one-way delay: 18.522 ms
Loss rate: 0.08%

Run 2: Report of PCC-Allegro — Data Link



Run 3: Statistics of PCC-Allegro

Start at: 2018-08-22 11:58:15

End at: 2018-08-22 11:58:45

Local clock offset: 2.56 ms

Remote clock offset: -63.161 ms

Below is generated by plot.py at 2018-08-22 14:32:25

Datalink statistics

-- Total of 1 flow:

Average throughput: 91.67 Mbit/s

95th percentile per-packet one-way delay: 29.583 ms

Loss rate: 0.14%

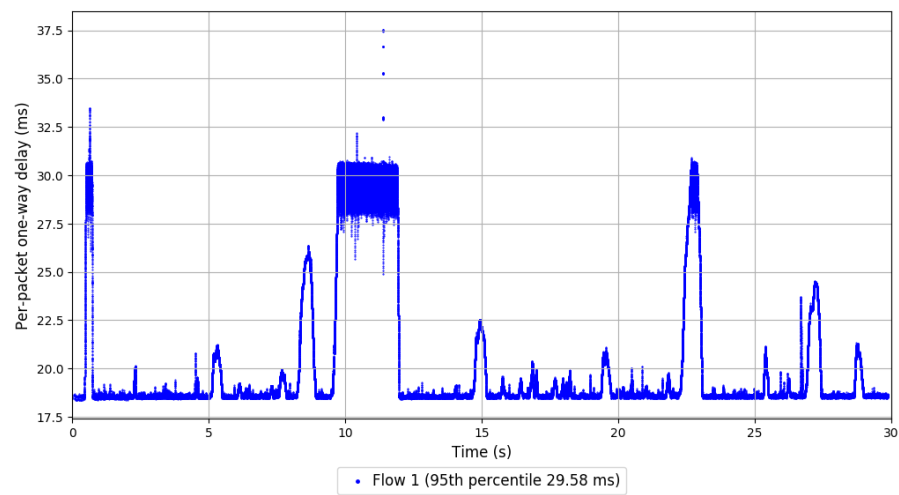
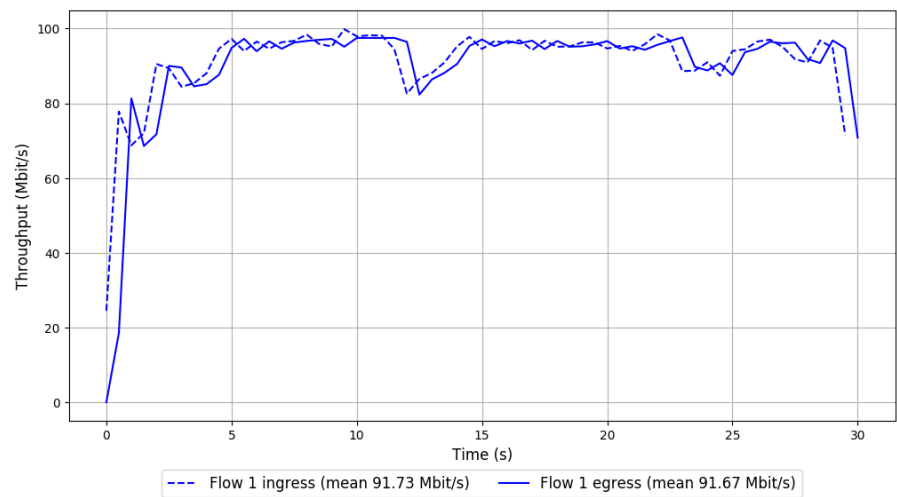
-- Flow 1:

Average throughput: 91.67 Mbit/s

95th percentile per-packet one-way delay: 29.583 ms

Loss rate: 0.14%

Run 3: Report of PCC-Allegro — Data Link



Run 4: Statistics of PCC-Allegro

Start at: 2018-08-22 12:17:39

End at: 2018-08-22 12:18:09

Local clock offset: 1.553 ms

Remote clock offset: -62.718 ms

Below is generated by plot.py at 2018-08-22 14:32:25

Datalink statistics

-- Total of 1 flow:

Average throughput: 74.05 Mbit/s

95th percentile per-packet one-way delay: 29.863 ms

Loss rate: 0.20%

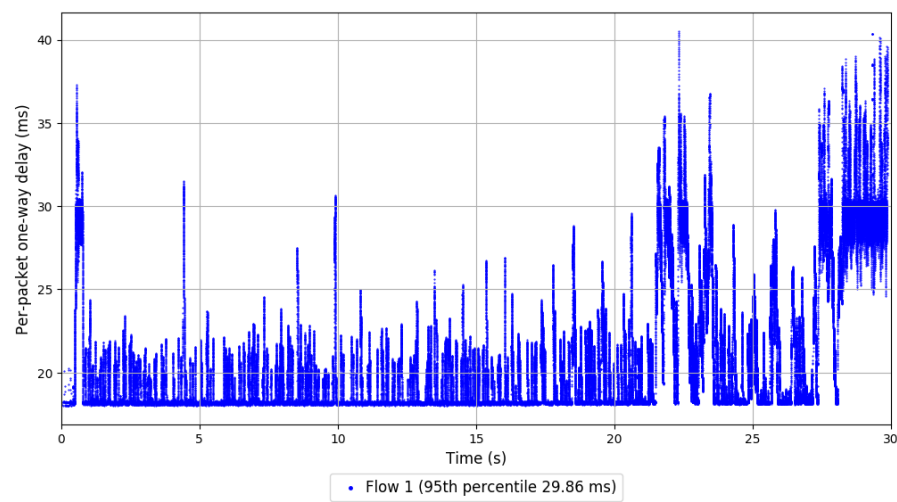
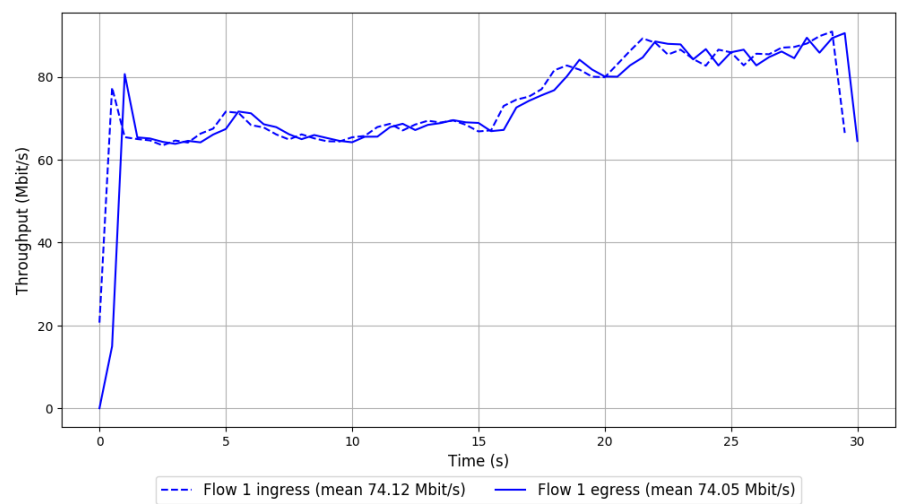
-- Flow 1:

Average throughput: 74.05 Mbit/s

95th percentile per-packet one-way delay: 29.863 ms

Loss rate: 0.20%

Run 4: Report of PCC-Allegro — Data Link



Run 5: Statistics of PCC-Allegro

Start at: 2018-08-22 12:37:02

End at: 2018-08-22 12:37:32

Local clock offset: 0.828 ms

Remote clock offset: -62.25 ms

Below is generated by plot.py at 2018-08-22 14:32:25

Datalink statistics

-- Total of 1 flow:

Average throughput: 87.16 Mbit/s

95th percentile per-packet one-way delay: 29.543 ms

Loss rate: 0.55%

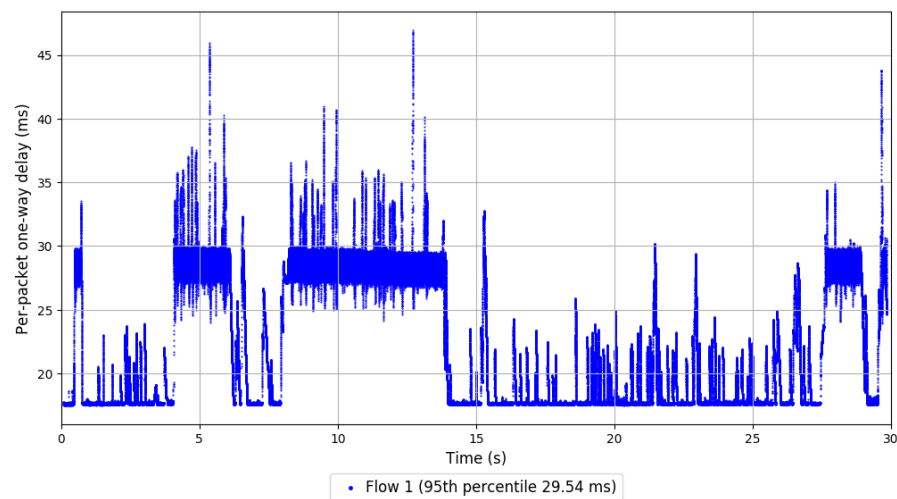
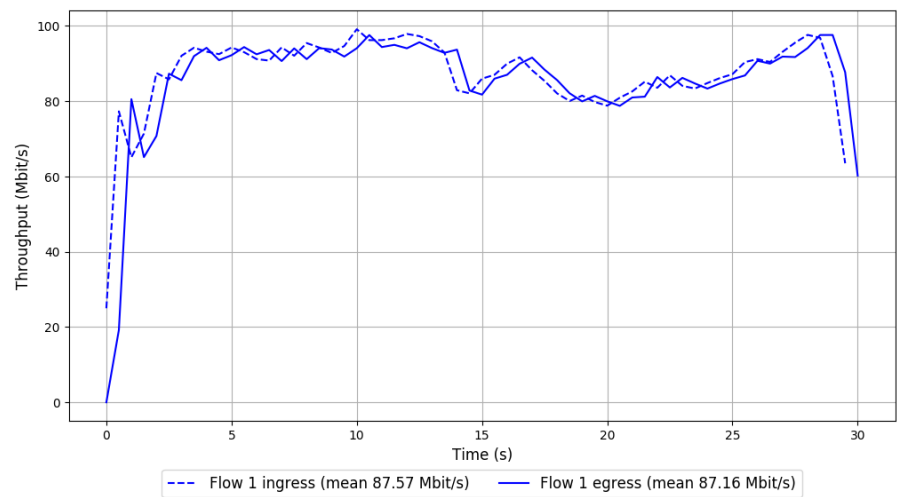
-- Flow 1:

Average throughput: 87.16 Mbit/s

95th percentile per-packet one-way delay: 29.543 ms

Loss rate: 0.55%

Run 5: Report of PCC-Allegro — Data Link



Run 6: Statistics of PCC-Allegro

Start at: 2018-08-22 12:56:28

End at: 2018-08-22 12:56:58

Local clock offset: 0.789 ms

Remote clock offset: -60.186 ms

Below is generated by plot.py at 2018-08-22 14:32:26

Datalink statistics

-- Total of 1 flow:

Average throughput: 87.59 Mbit/s

95th percentile per-packet one-way delay: 28.191 ms

Loss rate: 0.25%

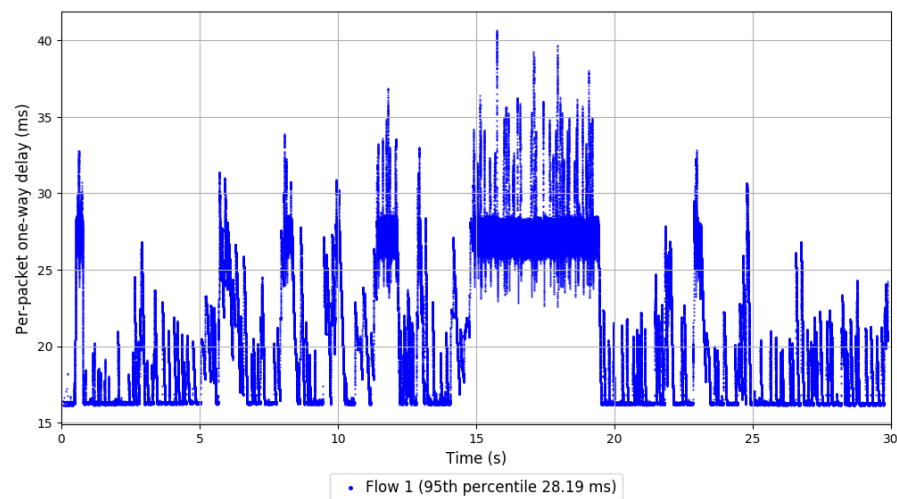
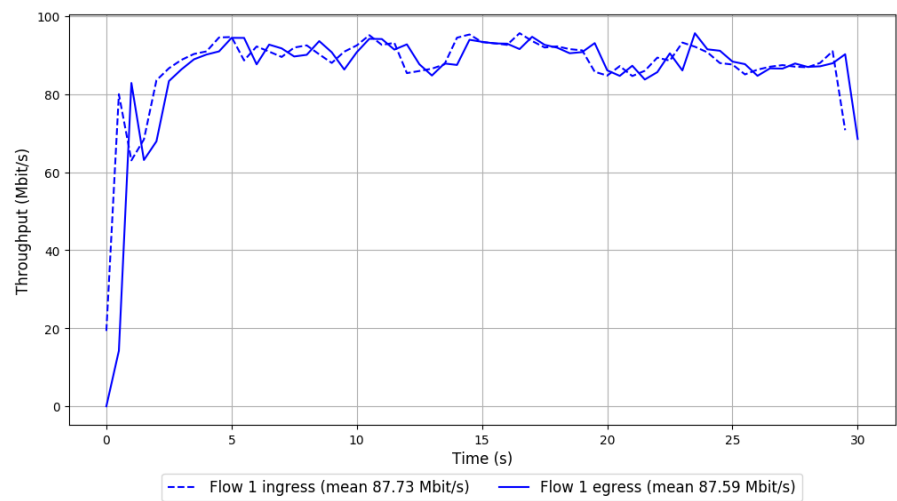
-- Flow 1:

Average throughput: 87.59 Mbit/s

95th percentile per-packet one-way delay: 28.191 ms

Loss rate: 0.25%

Run 6: Report of PCC-Allegro — Data Link



Run 7: Statistics of PCC-Allegro

Start at: 2018-08-22 13:15:53

End at: 2018-08-22 13:16:23

Local clock offset: 2.805 ms

Remote clock offset: -62.212 ms

Below is generated by plot.py at 2018-08-22 14:32:31

Datalink statistics

-- Total of 1 flow:

Average throughput: 79.99 Mbit/s

95th percentile per-packet one-way delay: 31.425 ms

Loss rate: 0.47%

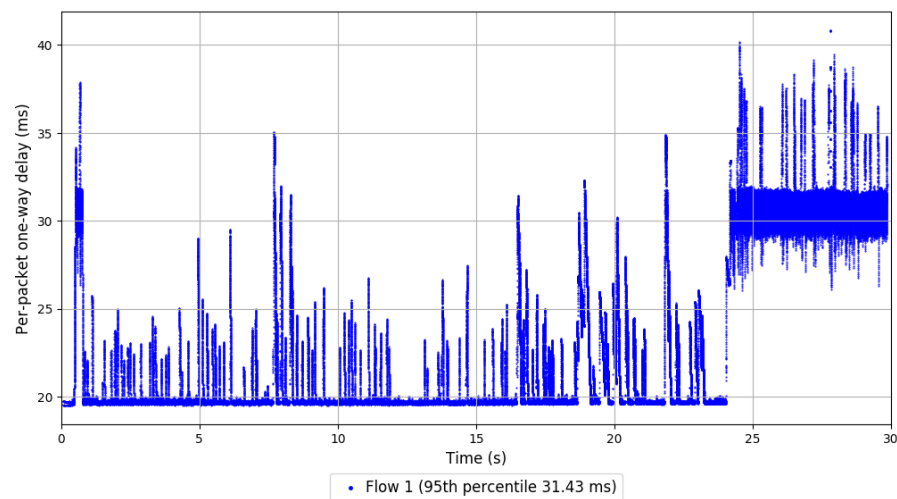
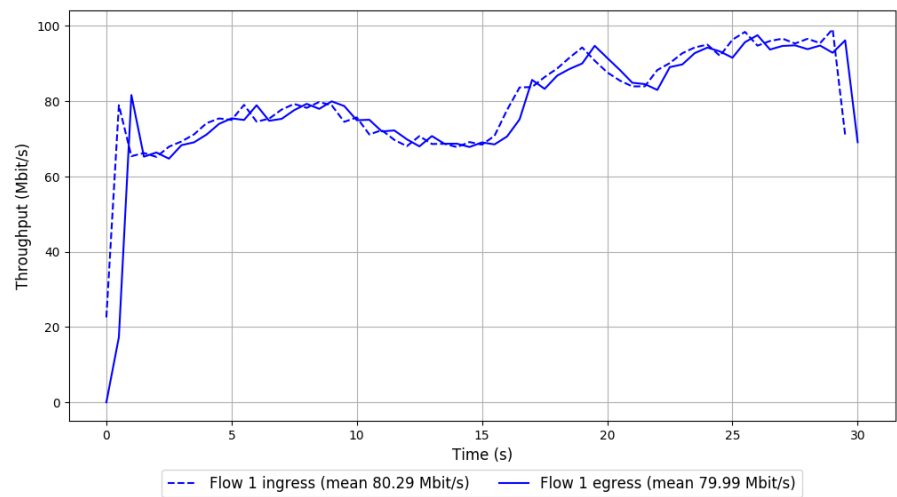
-- Flow 1:

Average throughput: 79.99 Mbit/s

95th percentile per-packet one-way delay: 31.425 ms

Loss rate: 0.47%

Run 7: Report of PCC-Allegro — Data Link



Run 8: Statistics of PCC-Allegro

Start at: 2018-08-22 13:35:24

End at: 2018-08-22 13:35:54

Local clock offset: 1.12 ms

Remote clock offset: -61.469 ms

Below is generated by plot.py at 2018-08-22 14:32:33

Datalink statistics

-- Total of 1 flow:

Average throughput: 81.98 Mbit/s

95th percentile per-packet one-way delay: 29.548 ms

Loss rate: 0.09%

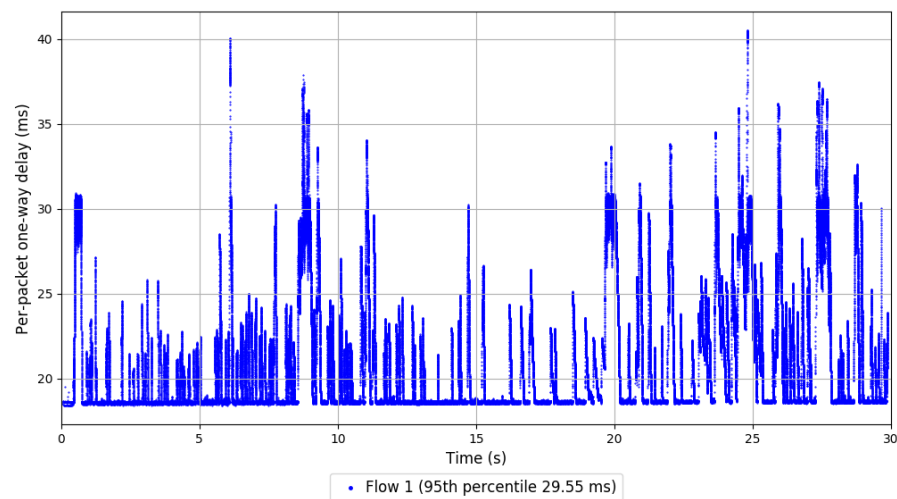
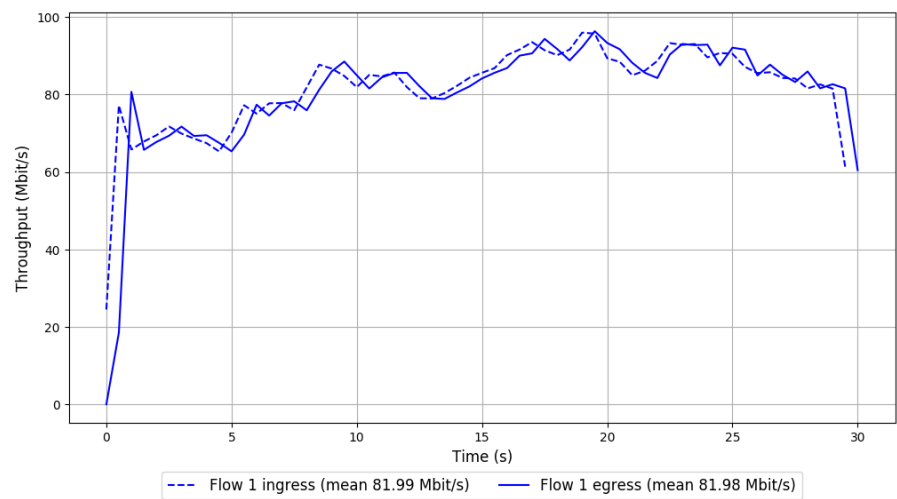
-- Flow 1:

Average throughput: 81.98 Mbit/s

95th percentile per-packet one-way delay: 29.548 ms

Loss rate: 0.09%

Run 8: Report of PCC-Allegro — Data Link



Run 9: Statistics of PCC-Allegro

Start at: 2018-08-22 13:54:55

End at: 2018-08-22 13:55:25

Local clock offset: -0.433 ms

Remote clock offset: -60.437 ms

Below is generated by plot.py at 2018-08-22 14:33:09

Datalink statistics

-- Total of 1 flow:

Average throughput: 89.26 Mbit/s

95th percentile per-packet one-way delay: 27.147 ms

Loss rate: 0.12%

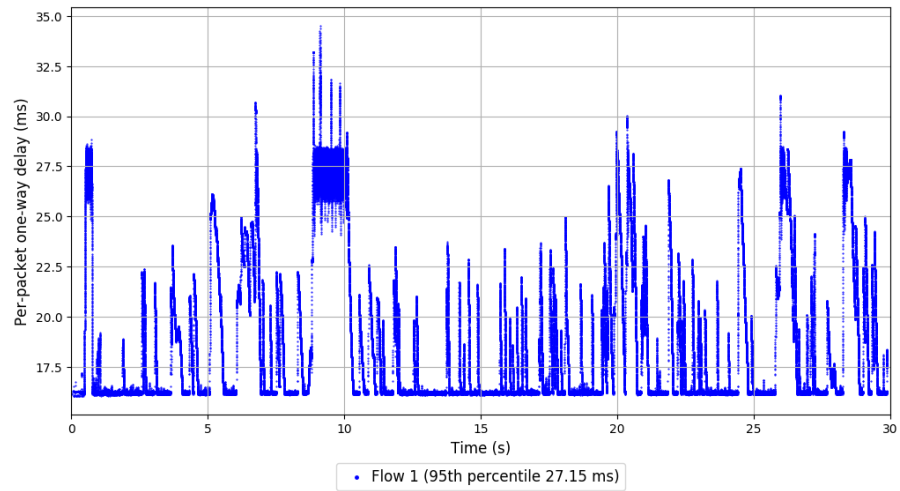
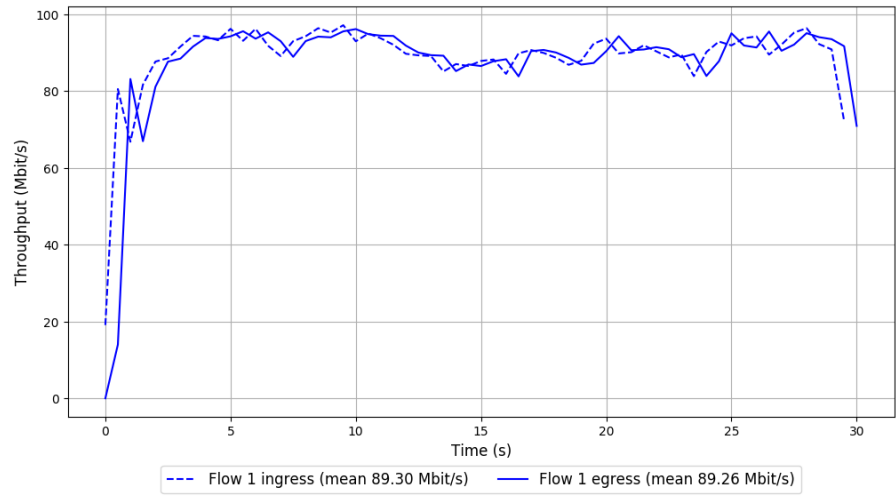
-- Flow 1:

Average throughput: 89.26 Mbit/s

95th percentile per-packet one-way delay: 27.147 ms

Loss rate: 0.12%

Run 9: Report of PCC-Allegro — Data Link



Run 10: Statistics of PCC-Allegro

Start at: 2018-08-22 14:14:19

End at: 2018-08-22 14:14:49

Local clock offset: -2.053 ms

Remote clock offset: -61.459 ms

Below is generated by plot.py at 2018-08-22 14:33:10

Datalink statistics

-- Total of 1 flow:

Average throughput: 90.18 Mbit/s

95th percentile per-packet one-way delay: 19.872 ms

Loss rate: 0.08%

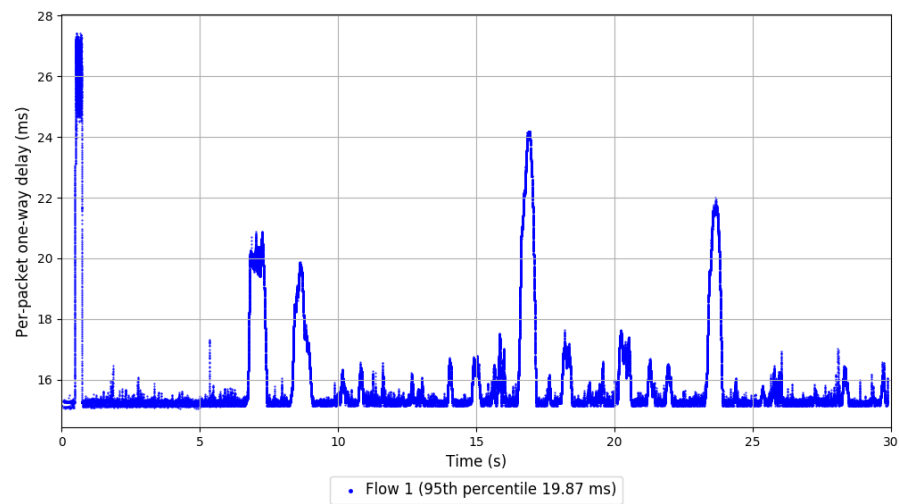
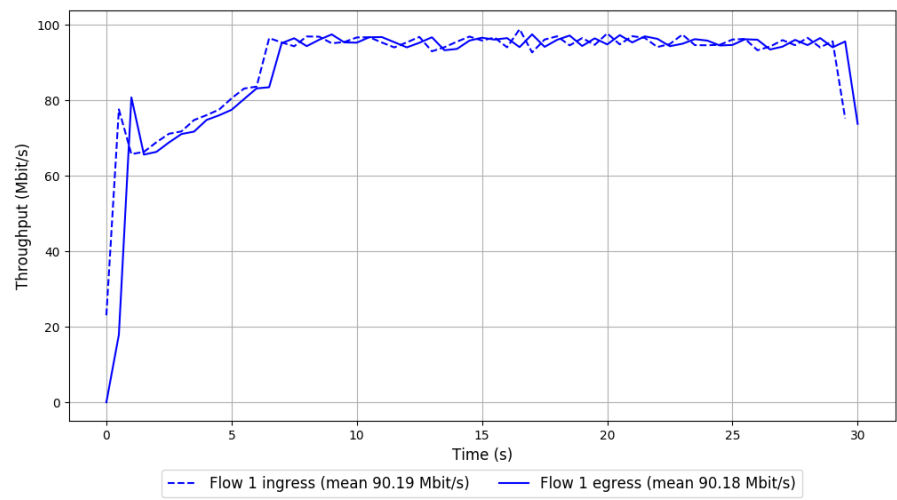
-- Flow 1:

Average throughput: 90.18 Mbit/s

95th percentile per-packet one-way delay: 19.872 ms

Loss rate: 0.08%

Run 10: Report of PCC-Allegro — Data Link

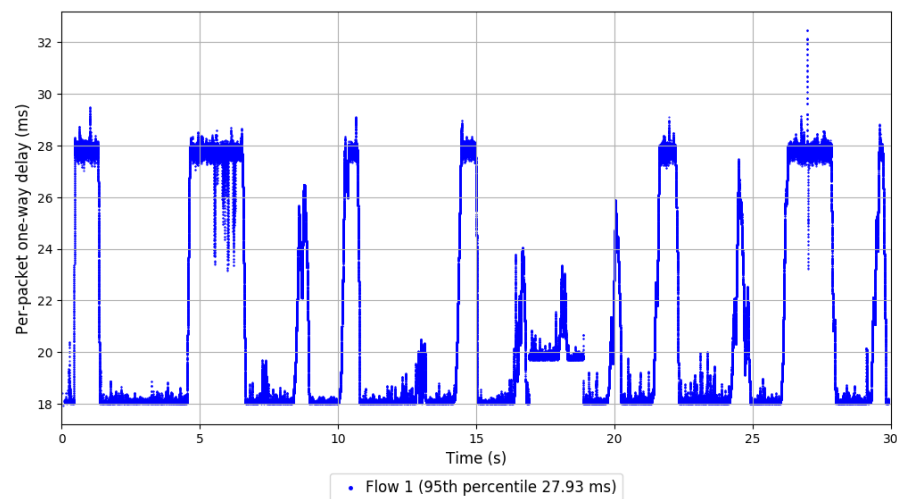
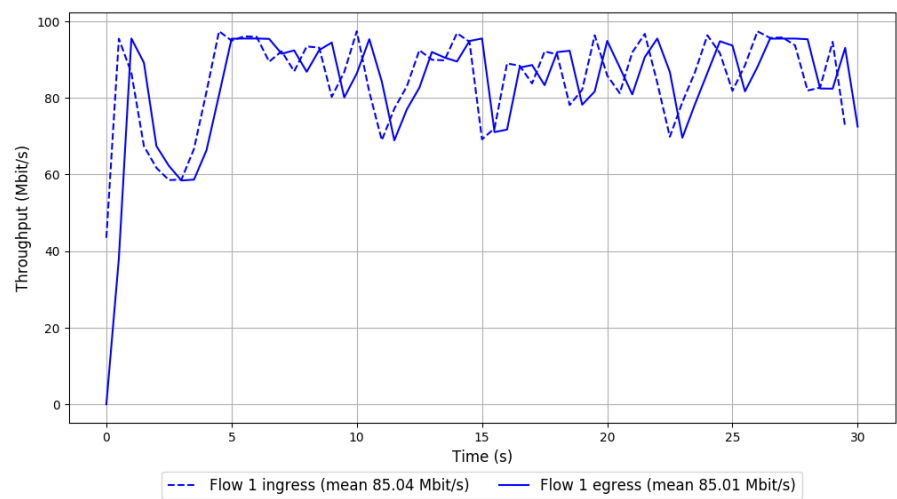


Run 1: Statistics of PCC-Expr

Start at: 2018-08-22 11:11:51
End at: 2018-08-22 11:12:21
Local clock offset: 0.713 ms
Remote clock offset: -61.766 ms

Below is generated by plot.py at 2018-08-22 14:34:07
Datalink statistics
-- Total of 1 flow:
Average throughput: 85.01 Mbit/s
95th percentile per-packet one-way delay: 27.932 ms
Loss rate: 0.14%
-- Flow 1:
Average throughput: 85.01 Mbit/s
95th percentile per-packet one-way delay: 27.932 ms
Loss rate: 0.14%

Run 1: Report of PCC-Expr — Data Link

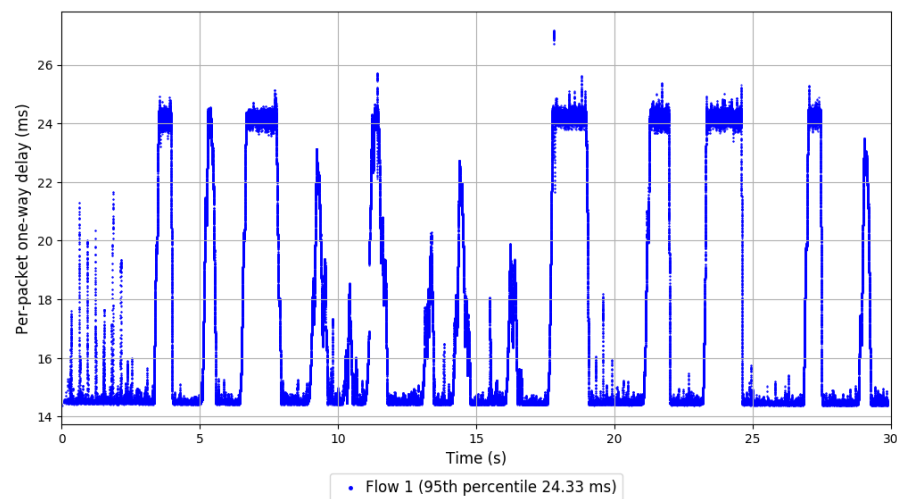
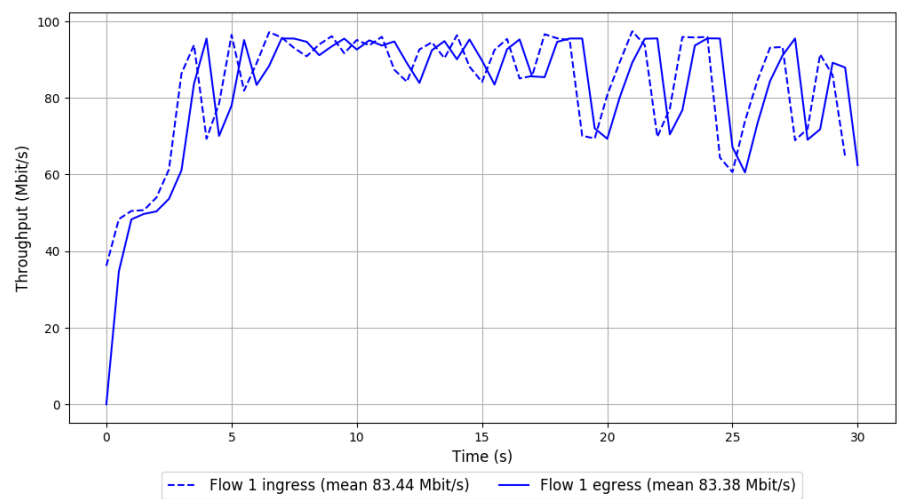


Run 2: Statistics of PCC-Expr

Start at: 2018-08-22 11:32:28
End at: 2018-08-22 11:32:58
Local clock offset: -1.777 ms
Remote clock offset: -63.507 ms

Below is generated by plot.py at 2018-08-22 14:34:07
Datalink statistics
-- Total of 1 flow:
Average throughput: 83.38 Mbit/s
95th percentile per-packet one-way delay: 24.327 ms
Loss rate: 0.16%
-- Flow 1:
Average throughput: 83.38 Mbit/s
95th percentile per-packet one-way delay: 24.327 ms
Loss rate: 0.16%

Run 2: Report of PCC-Expr — Data Link

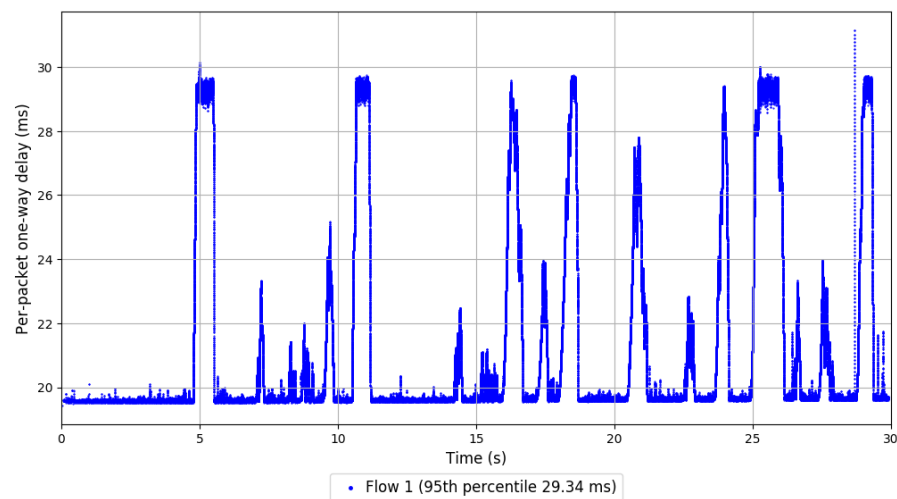
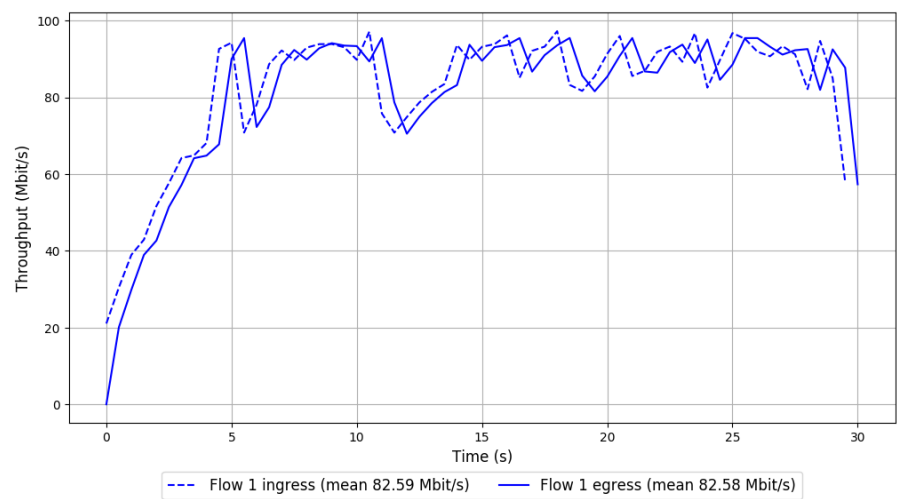


Run 3: Statistics of PCC-Expr

Start at: 2018-08-22 11:52:25
End at: 2018-08-22 11:52:55
Local clock offset: 3.962 ms
Remote clock offset: -63.598 ms

Below is generated by plot.py at 2018-08-22 14:34:07
Datalink statistics
-- Total of 1 flow:
Average throughput: 82.58 Mbit/s
95th percentile per-packet one-way delay: 29.337 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 82.58 Mbit/s
95th percentile per-packet one-way delay: 29.337 ms
Loss rate: 0.08%

Run 3: Report of PCC-Expr — Data Link

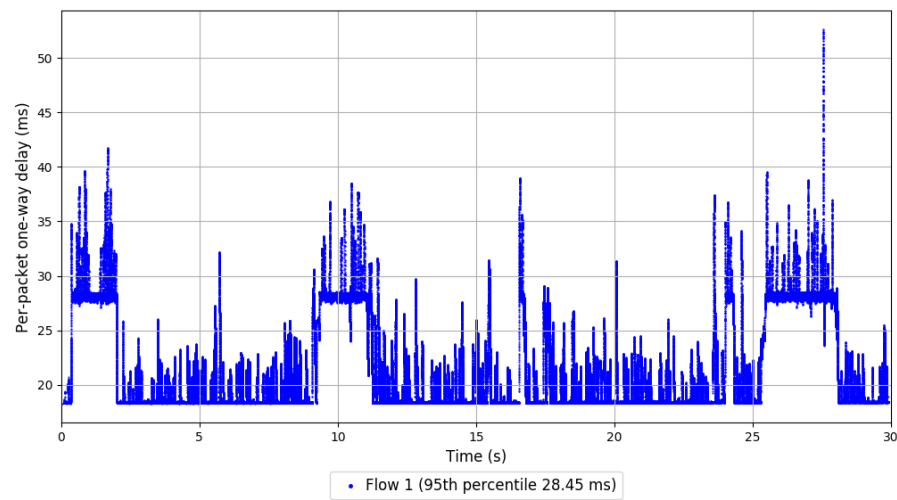
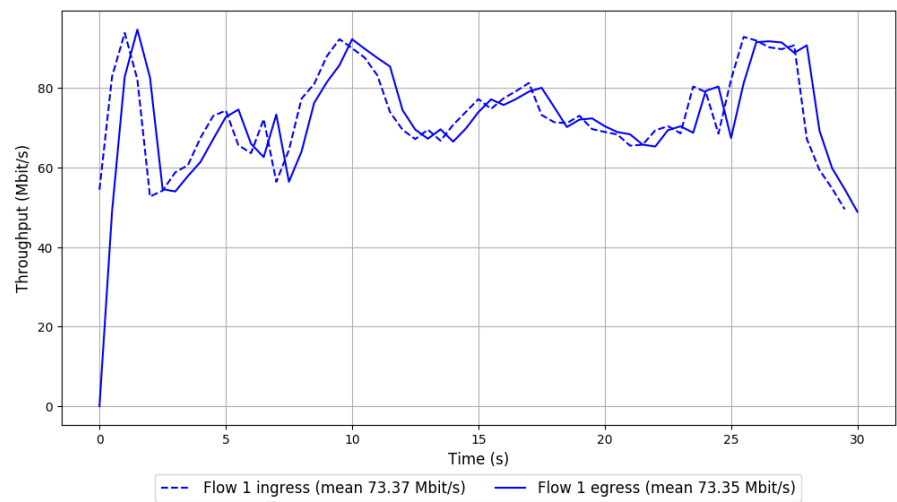


Run 4: Statistics of PCC-Expr

Start at: 2018-08-22 12:11:50
End at: 2018-08-22 12:12:20
Local clock offset: 2.069 ms
Remote clock offset: -62.659 ms

Below is generated by plot.py at 2018-08-22 14:34:07
Datalink statistics
-- Total of 1 flow:
Average throughput: 73.35 Mbit/s
95th percentile per-packet one-way delay: 28.450 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 73.35 Mbit/s
95th percentile per-packet one-way delay: 28.450 ms
Loss rate: 0.10%

Run 4: Report of PCC-Expr — Data Link

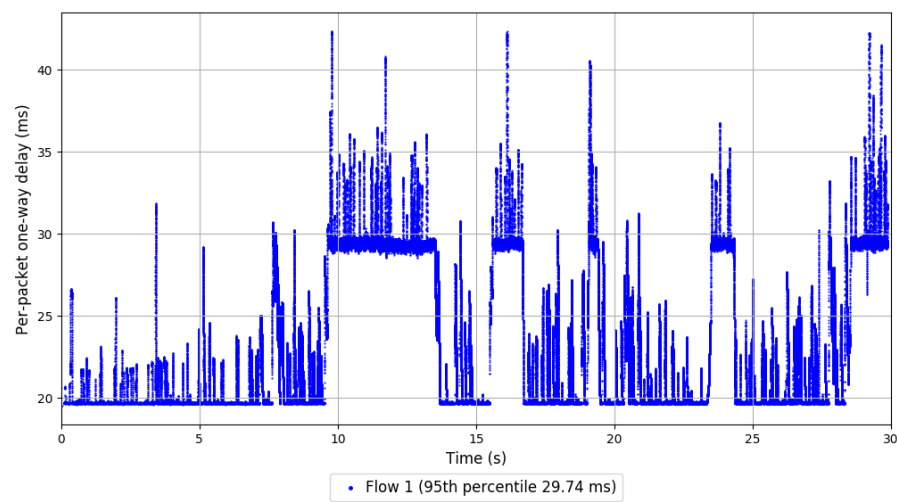
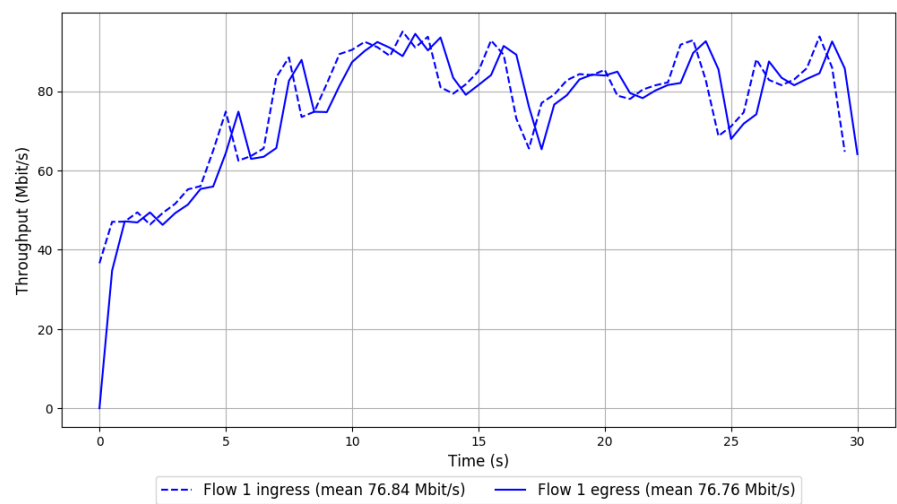


Run 5: Statistics of PCC-Expr

Start at: 2018-08-22 12:31:17
End at: 2018-08-22 12:31:47
Local clock offset: 2.778 ms
Remote clock offset: -62.53 ms

Below is generated by plot.py at 2018-08-22 14:34:07
Datalink statistics
-- Total of 1 flow:
Average throughput: 76.76 Mbit/s
95th percentile per-packet one-way delay: 29.738 ms
Loss rate: 0.19%
-- Flow 1:
Average throughput: 76.76 Mbit/s
95th percentile per-packet one-way delay: 29.738 ms
Loss rate: 0.19%

Run 5: Report of PCC-Expr — Data Link

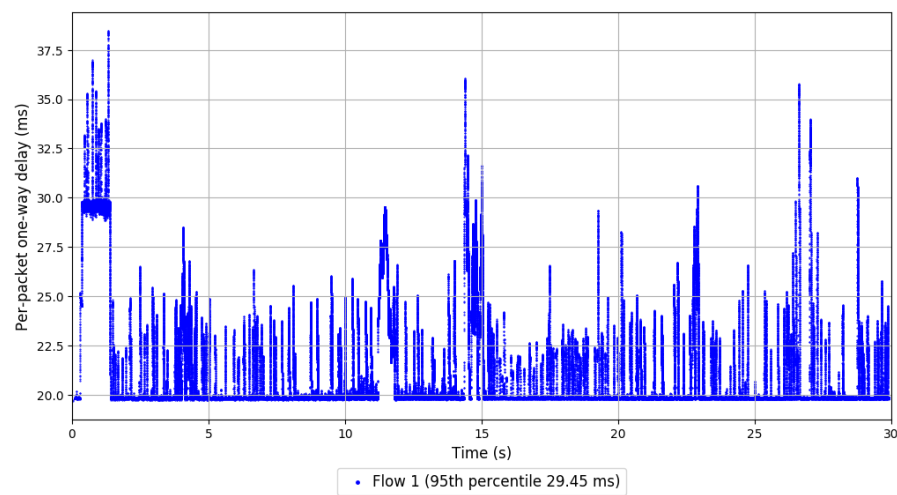
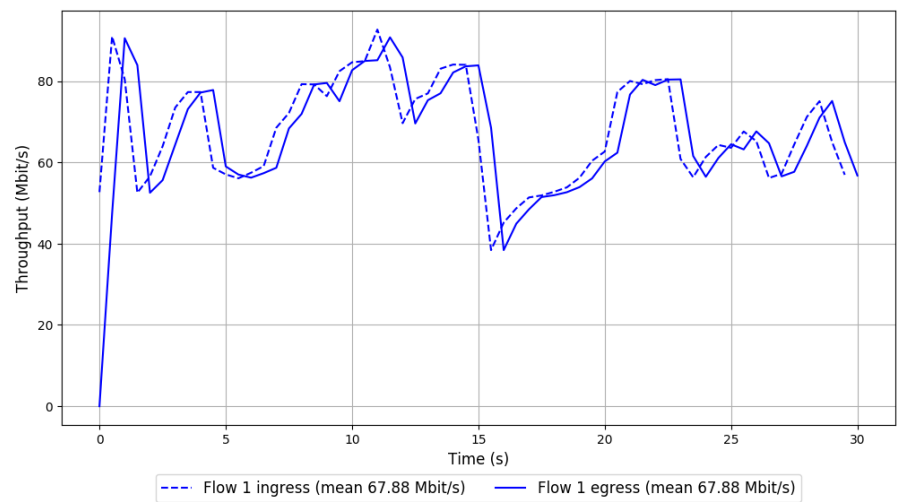


Run 6: Statistics of PCC-Expr

Start at: 2018-08-22 12:50:44
End at: 2018-08-22 12:51:15
Local clock offset: 3.351 ms
Remote clock offset: -61.374 ms

Below is generated by plot.py at 2018-08-22 14:34:07
Datalink statistics
-- Total of 1 flow:
Average throughput: 67.88 Mbit/s
95th percentile per-packet one-way delay: 29.452 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 67.88 Mbit/s
95th percentile per-packet one-way delay: 29.452 ms
Loss rate: 0.08%

Run 6: Report of PCC-Expr — Data Link

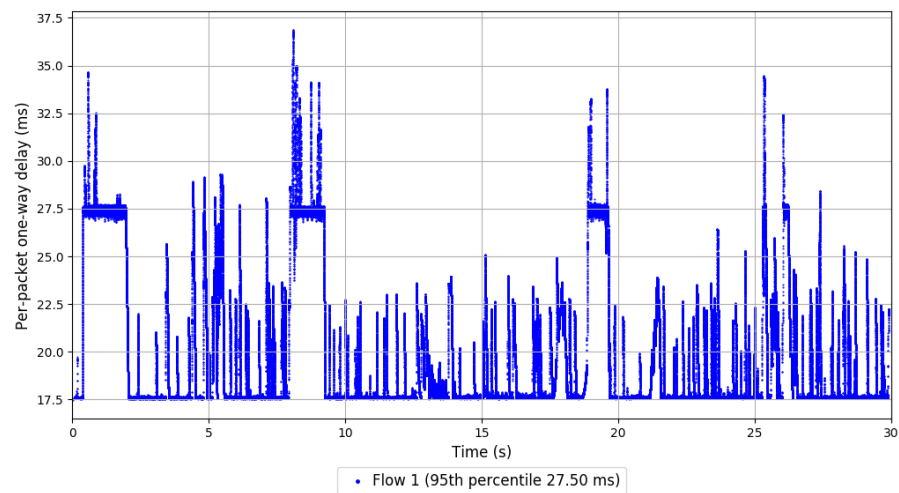
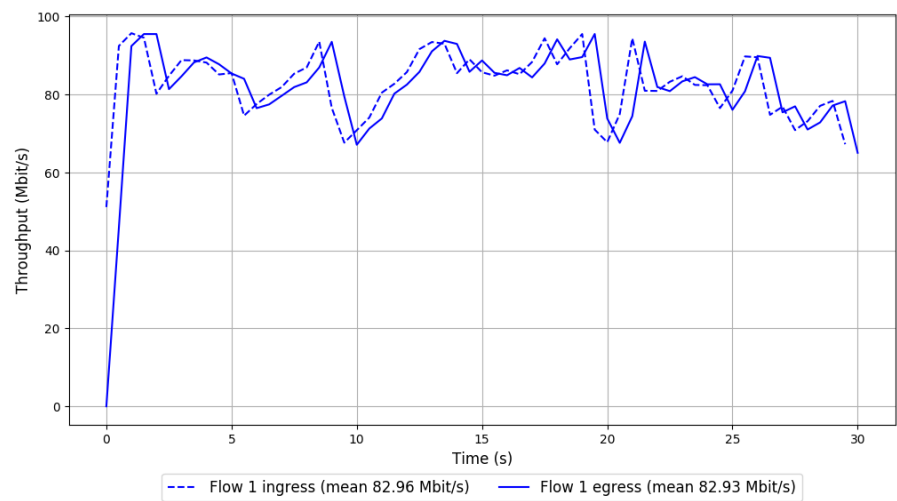


Run 7: Statistics of PCC-Expr

Start at: 2018-08-22 13:10:02
End at: 2018-08-22 13:10:32
Local clock offset: 0.54 ms
Remote clock offset: -62.48 ms

Below is generated by plot.py at 2018-08-22 14:35:06
Datalink statistics
-- Total of 1 flow:
Average throughput: 82.93 Mbit/s
95th percentile per-packet one-way delay: 27.504 ms
Loss rate: 0.11%
-- Flow 1:
Average throughput: 82.93 Mbit/s
95th percentile per-packet one-way delay: 27.504 ms
Loss rate: 0.11%

Run 7: Report of PCC-Expr — Data Link

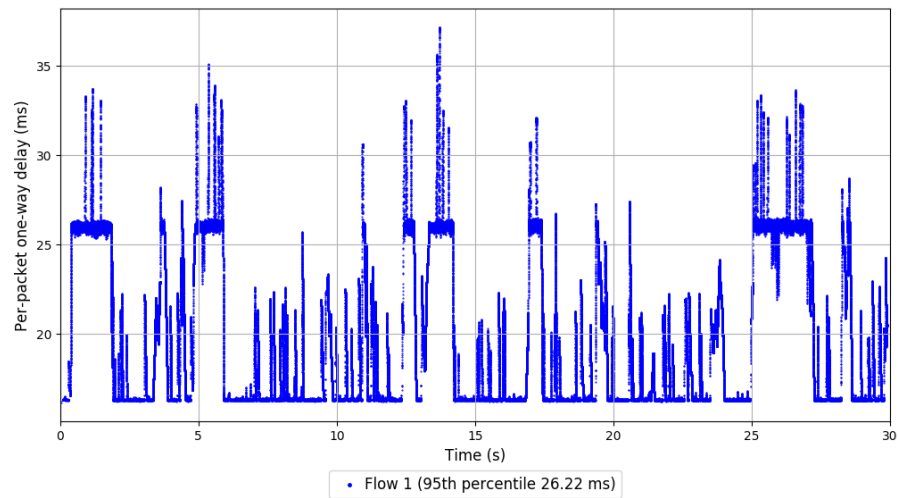
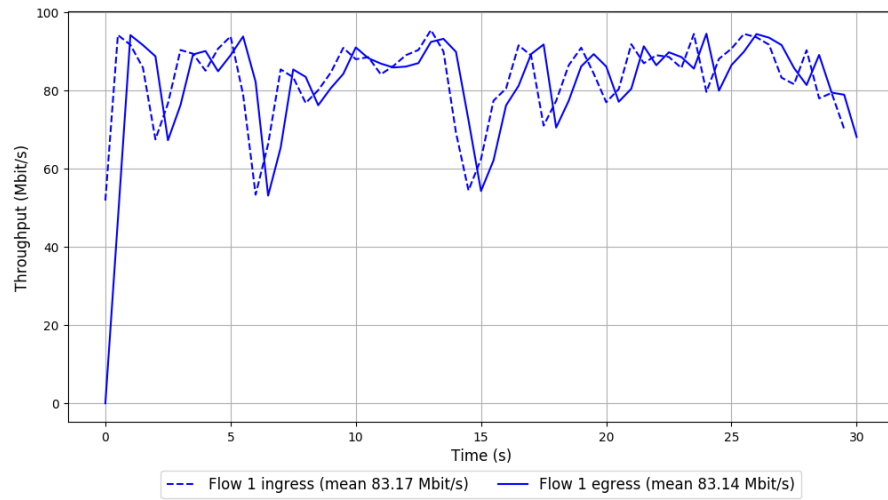


Run 8: Statistics of PCC-Expr

Start at: 2018-08-22 13:29:35
End at: 2018-08-22 13:30:05
Local clock offset: -0.47 ms
Remote clock offset: -61.669 ms

Below is generated by plot.py at 2018-08-22 14:35:07
Datalink statistics
-- Total of 1 flow:
Average throughput: 83.14 Mbit/s
95th percentile per-packet one-way delay: 26.222 ms
Loss rate: 0.12%
-- Flow 1:
Average throughput: 83.14 Mbit/s
95th percentile per-packet one-way delay: 26.222 ms
Loss rate: 0.12%

Run 8: Report of PCC-Expr — Data Link

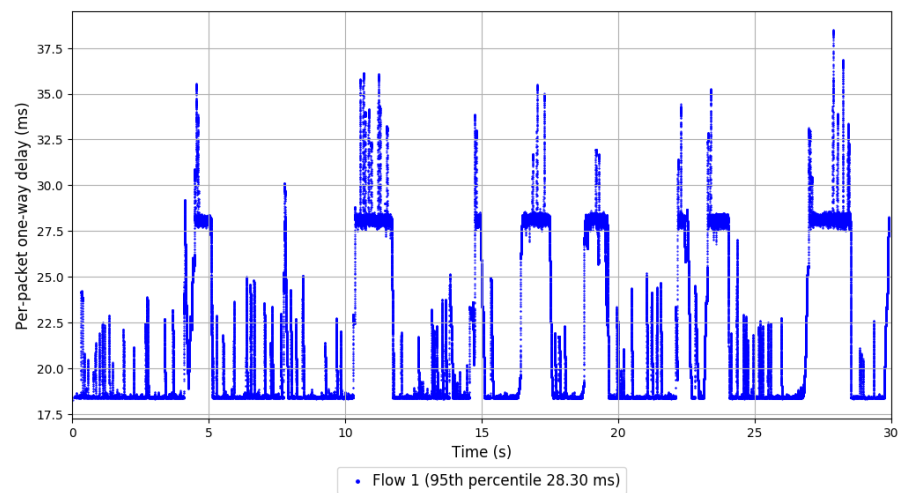
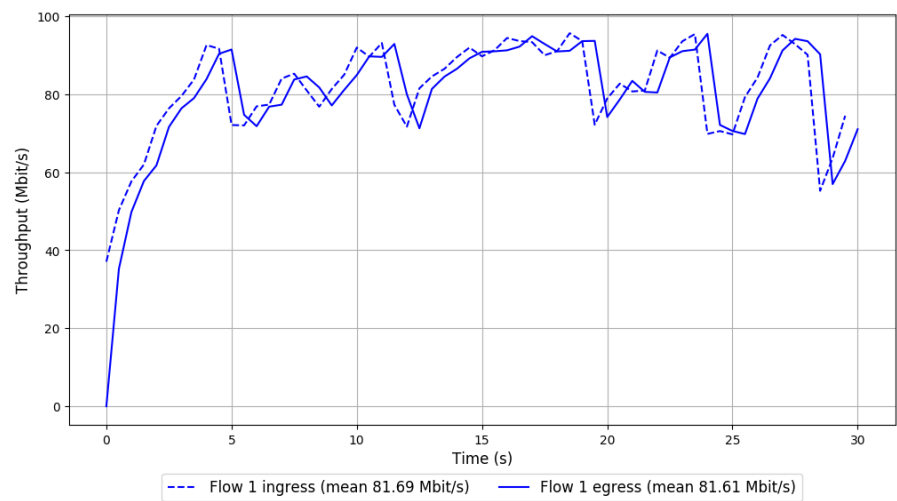


Run 9: Statistics of PCC-Expr

Start at: 2018-08-22 13:49:03
End at: 2018-08-22 13:49:33
Local clock offset: 1.885 ms
Remote clock offset: -60.296 ms

Below is generated by plot.py at 2018-08-22 14:35:41
Datalink statistics
-- Total of 1 flow:
Average throughput: 81.61 Mbit/s
95th percentile per-packet one-way delay: 28.300 ms
Loss rate: 0.18%
-- Flow 1:
Average throughput: 81.61 Mbit/s
95th percentile per-packet one-way delay: 28.300 ms
Loss rate: 0.18%

Run 9: Report of PCC-Expr — Data Link

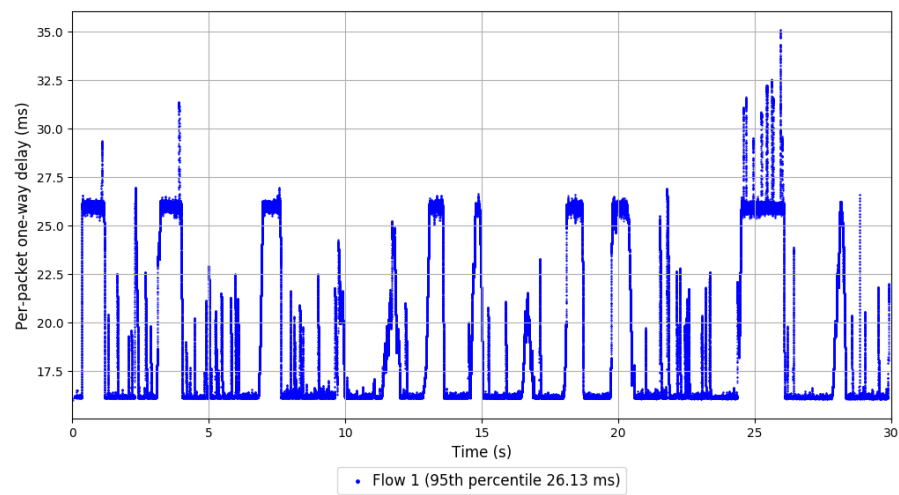
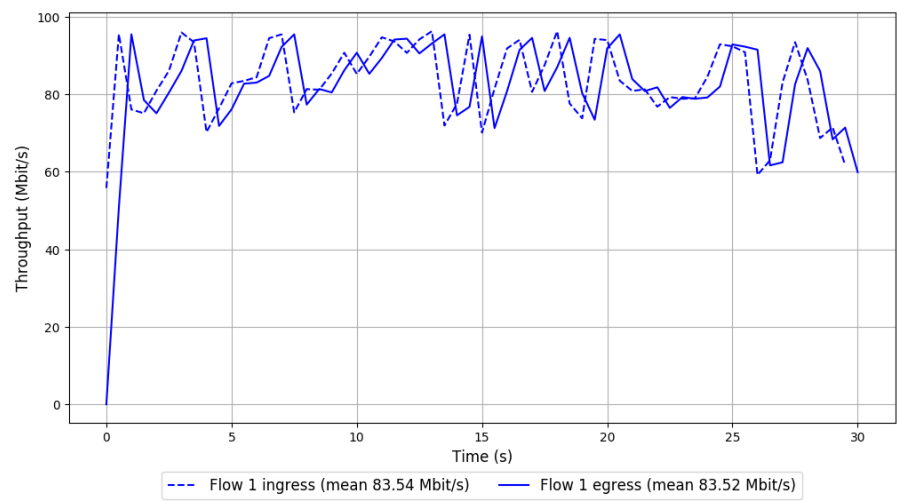


Run 10: Statistics of PCC-Expr

Start at: 2018-08-22 14:08:27
End at: 2018-08-22 14:08:57
Local clock offset: 0.55 ms
Remote clock offset: -59.635 ms

Below is generated by plot.py at 2018-08-22 14:35:50
Datalink statistics
-- Total of 1 flow:
Average throughput: 83.52 Mbit/s
95th percentile per-packet one-way delay: 26.127 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 83.52 Mbit/s
95th percentile per-packet one-way delay: 26.127 ms
Loss rate: 0.10%

Run 10: Report of PCC-Expr — Data Link

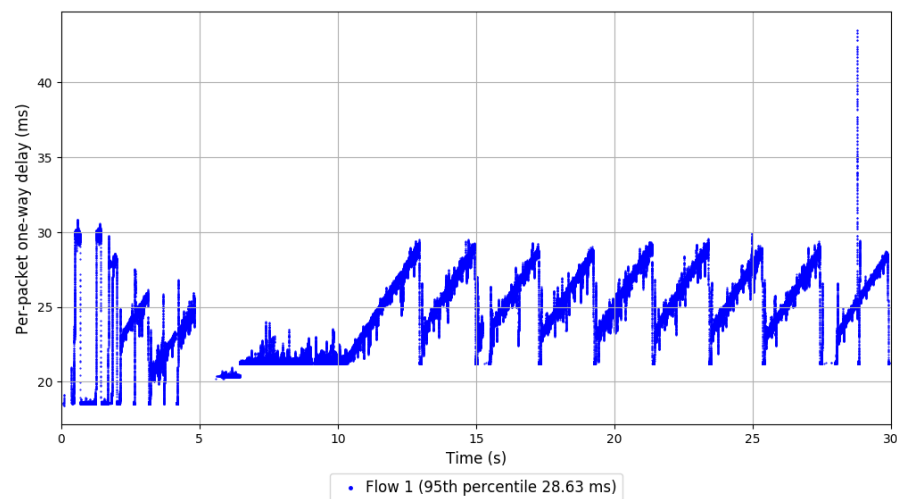
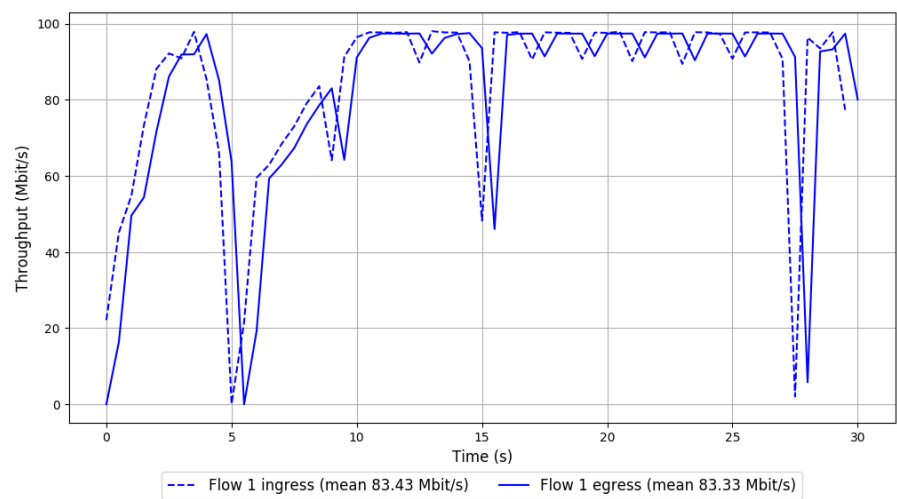


Run 1: Statistics of QUIC Cubic

Start at: 2018-08-22 11:13:06
End at: 2018-08-22 11:13:36
Local clock offset: 1.732 ms
Remote clock offset: -61.248 ms

Below is generated by plot.py at 2018-08-22 14:35:50
Datalink statistics
-- Total of 1 flow:
Average throughput: 83.33 Mbit/s
95th percentile per-packet one-way delay: 28.631 ms
Loss rate: 0.22%
-- Flow 1:
Average throughput: 83.33 Mbit/s
95th percentile per-packet one-way delay: 28.631 ms
Loss rate: 0.22%

Run 1: Report of QUIC Cubic — Data Link



Run 2: Statistics of QUIC Cubic

Start at: 2018-08-22 11:33:47

End at: 2018-08-22 11:34:17

Local clock offset: 0.518 ms

Remote clock offset: -64.15 ms

Below is generated by plot.py at 2018-08-22 14:35:50

Datalink statistics

-- Total of 1 flow:

Average throughput: 90.55 Mbit/s

95th percentile per-packet one-way delay: 24.977 ms

Loss rate: 0.11%

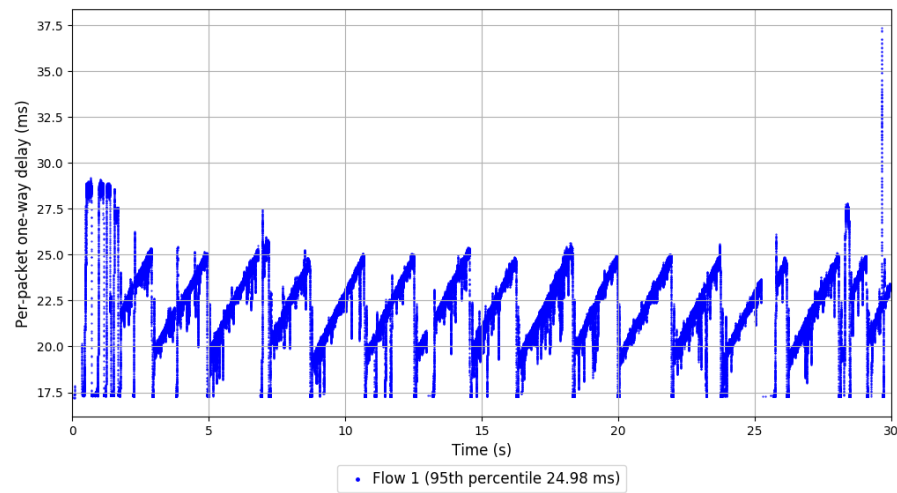
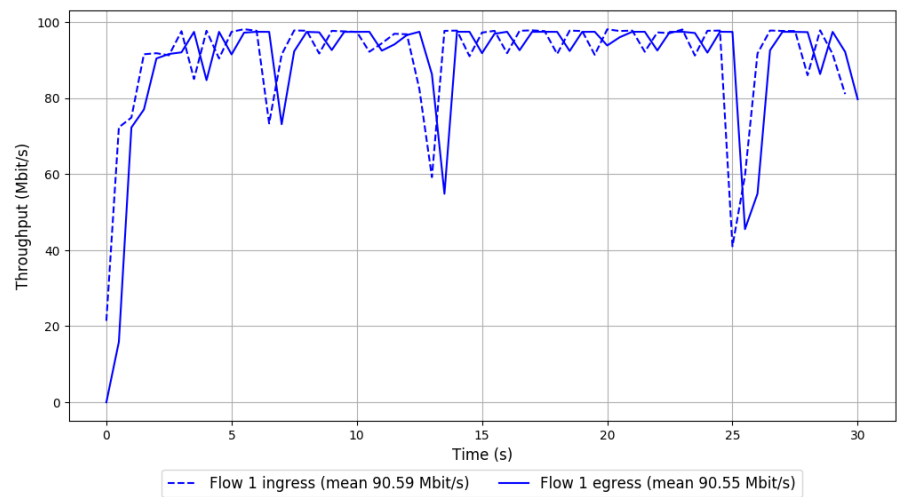
-- Flow 1:

Average throughput: 90.55 Mbit/s

95th percentile per-packet one-way delay: 24.977 ms

Loss rate: 0.11%

Run 2: Report of QUIC Cubic — Data Link

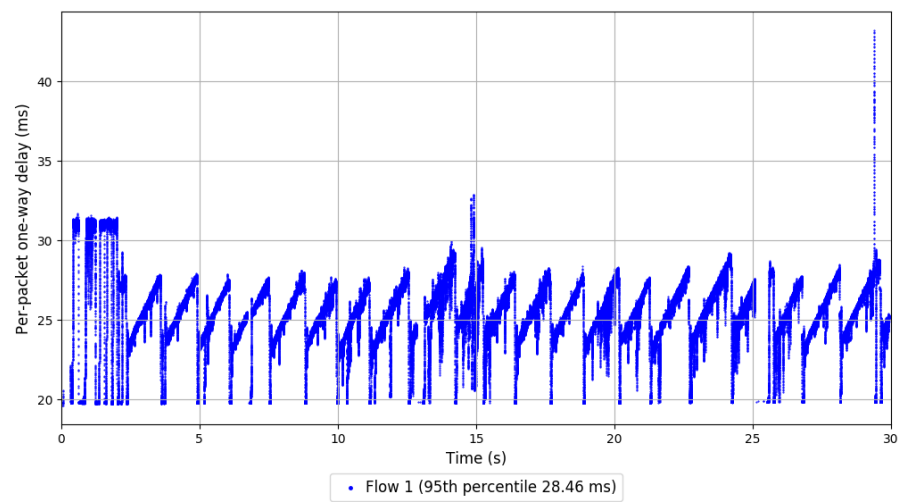
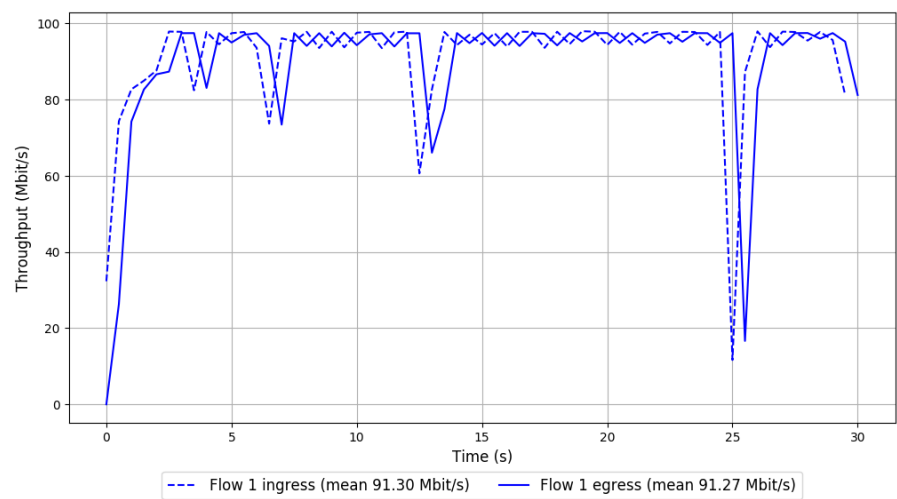


Run 3: Statistics of QUIC Cubic

Start at: 2018-08-22 11:53:36
End at: 2018-08-22 11:54:06
Local clock offset: 3.294 ms
Remote clock offset: -64.212 ms

Below is generated by plot.py at 2018-08-22 14:35:50
Datalink statistics
-- Total of 1 flow:
Average throughput: 91.27 Mbit/s
95th percentile per-packet one-way delay: 28.456 ms
Loss rate: 0.11%
-- Flow 1:
Average throughput: 91.27 Mbit/s
95th percentile per-packet one-way delay: 28.456 ms
Loss rate: 0.11%

Run 3: Report of QUIC Cubic — Data Link

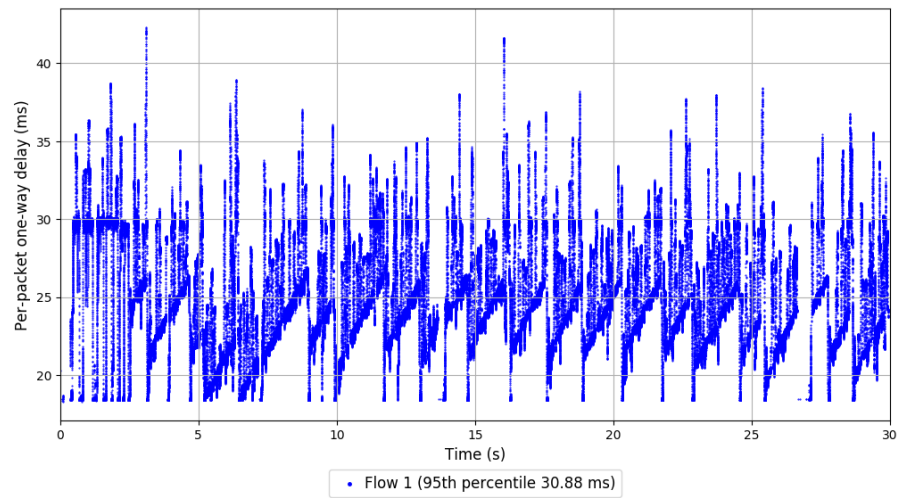
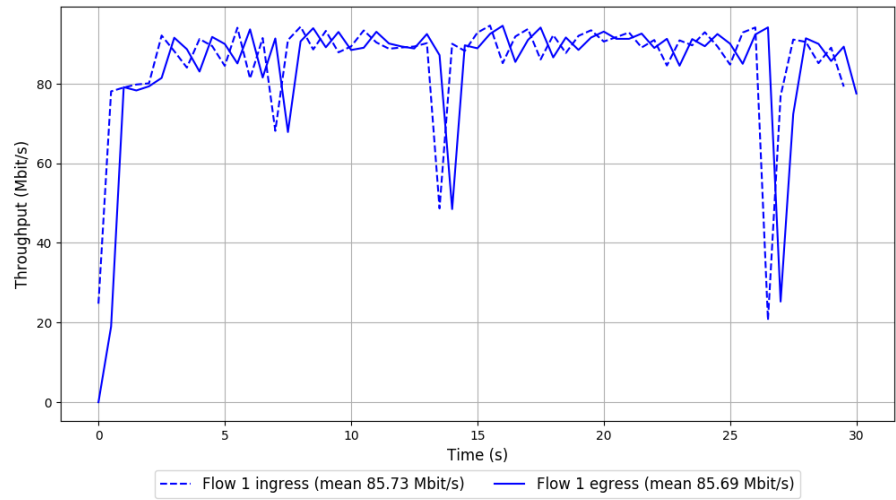


Run 4: Statistics of QUIC Cubic

Start at: 2018-08-22 12:13:01
End at: 2018-08-22 12:13:31
Local clock offset: 2.906 ms
Remote clock offset: -61.797 ms

Below is generated by plot.py at 2018-08-22 14:35:50
Datalink statistics
-- Total of 1 flow:
Average throughput: 85.69 Mbit/s
95th percentile per-packet one-way delay: 30.879 ms
Loss rate: 0.12%
-- Flow 1:
Average throughput: 85.69 Mbit/s
95th percentile per-packet one-way delay: 30.879 ms
Loss rate: 0.12%

Run 4: Report of QUIC Cubic — Data Link

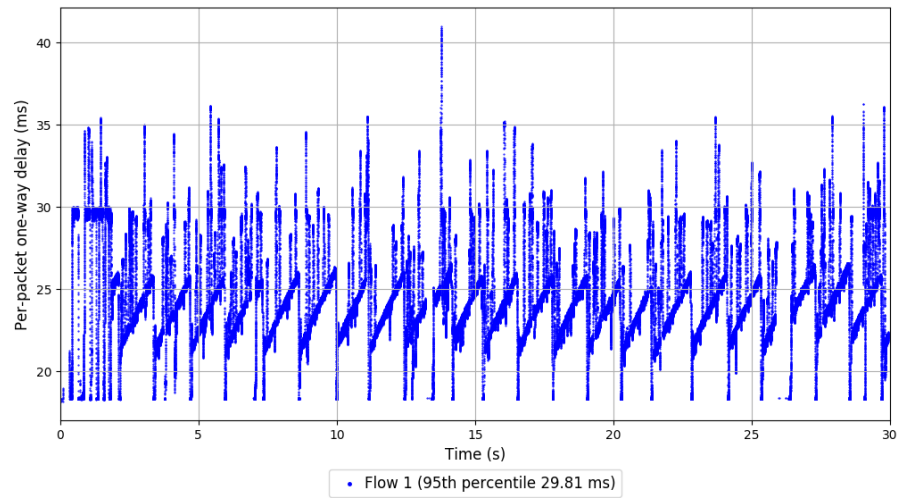
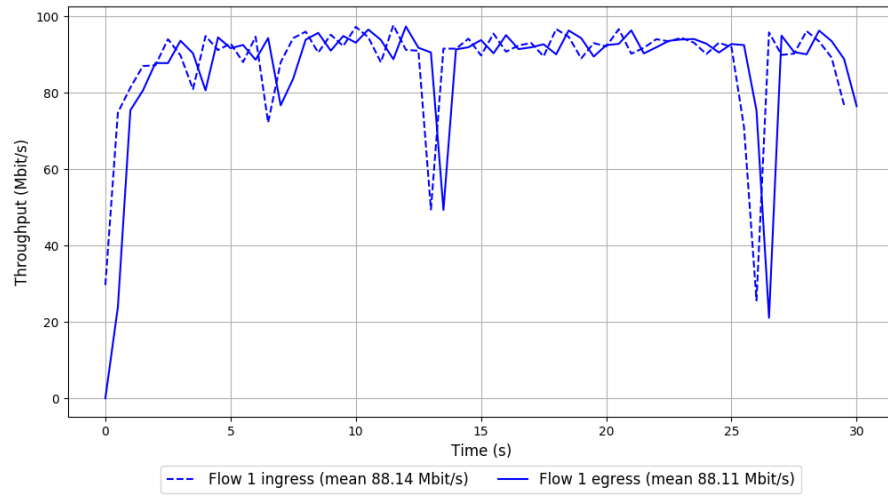


Run 5: Statistics of QUIC Cubic

Start at: 2018-08-22 12:32:27
End at: 2018-08-22 12:32:57
Local clock offset: 1.623 ms
Remote clock offset: -62.282 ms

Below is generated by plot.py at 2018-08-22 14:36:23
Datalink statistics
-- Total of 1 flow:
Average throughput: 88.11 Mbit/s
95th percentile per-packet one-way delay: 29.812 ms
Loss rate: 0.11%
-- Flow 1:
Average throughput: 88.11 Mbit/s
95th percentile per-packet one-way delay: 29.812 ms
Loss rate: 0.11%

Run 5: Report of QUIC Cubic — Data Link

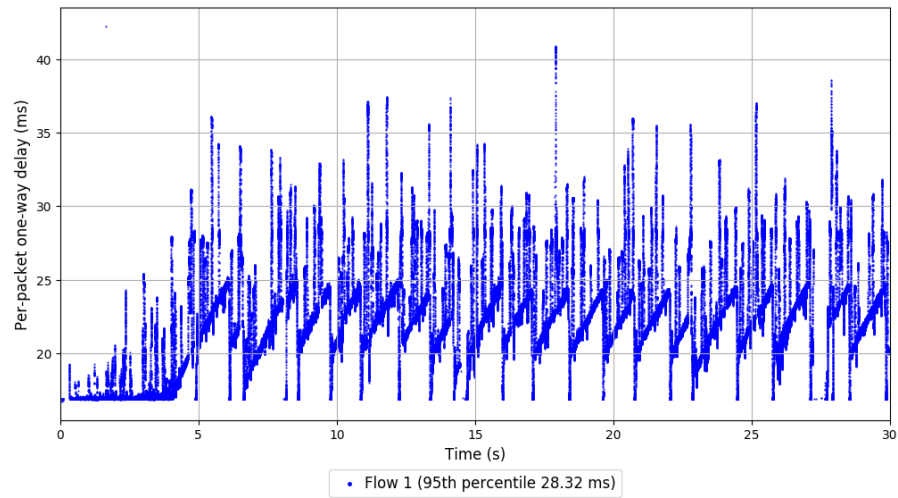
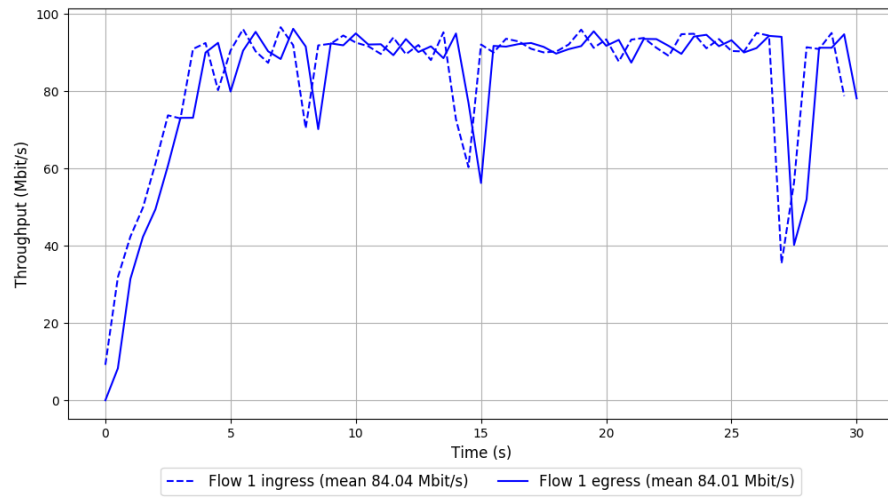


Run 6: Statistics of QUIC Cubic

Start at: 2018-08-22 12:51:54
End at: 2018-08-22 12:52:24
Local clock offset: 1.585 ms
Remote clock offset: -60.136 ms

Below is generated by plot.py at 2018-08-22 14:36:23
Datalink statistics
-- Total of 1 flow:
Average throughput: 84.01 Mbit/s
95th percentile per-packet one-way delay: 28.319 ms
Loss rate: 0.11%
-- Flow 1:
Average throughput: 84.01 Mbit/s
95th percentile per-packet one-way delay: 28.319 ms
Loss rate: 0.11%

Run 6: Report of QUIC Cubic — Data Link

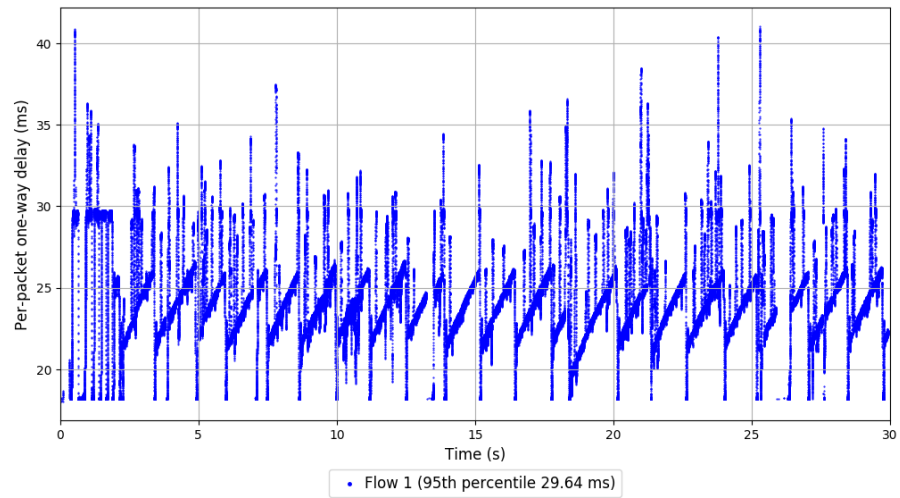
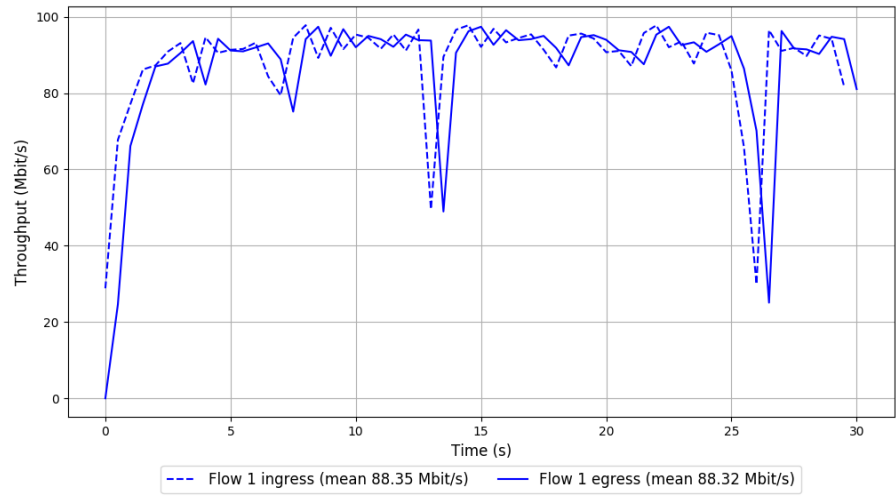


Run 7: Statistics of QUIC Cubic

Start at: 2018-08-22 13:11:12
End at: 2018-08-22 13:11:42
Local clock offset: 1.702 ms
Remote clock offset: -61.877 ms

Below is generated by plot.py at 2018-08-22 14:36:24
Datalink statistics
-- Total of 1 flow:
Average throughput: 88.32 Mbit/s
95th percentile per-packet one-way delay: 29.637 ms
Loss rate: 0.11%
-- Flow 1:
Average throughput: 88.32 Mbit/s
95th percentile per-packet one-way delay: 29.637 ms
Loss rate: 0.11%

Run 7: Report of QUIC Cubic — Data Link

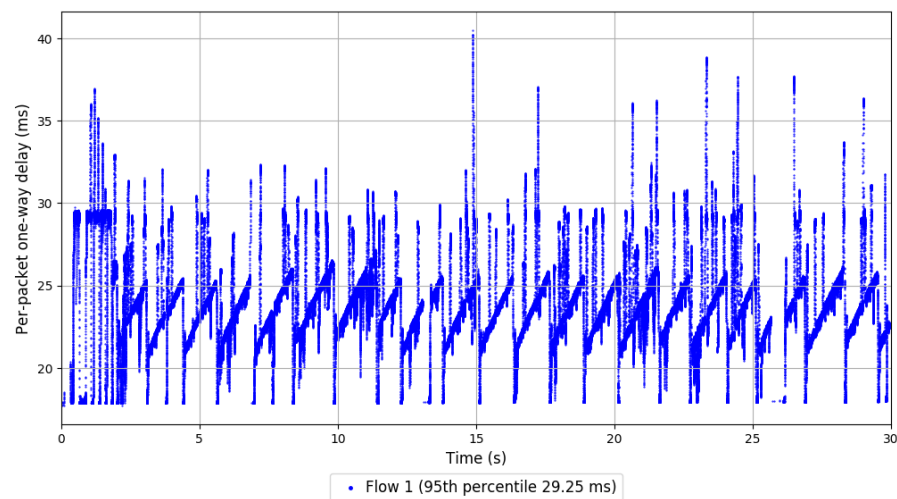
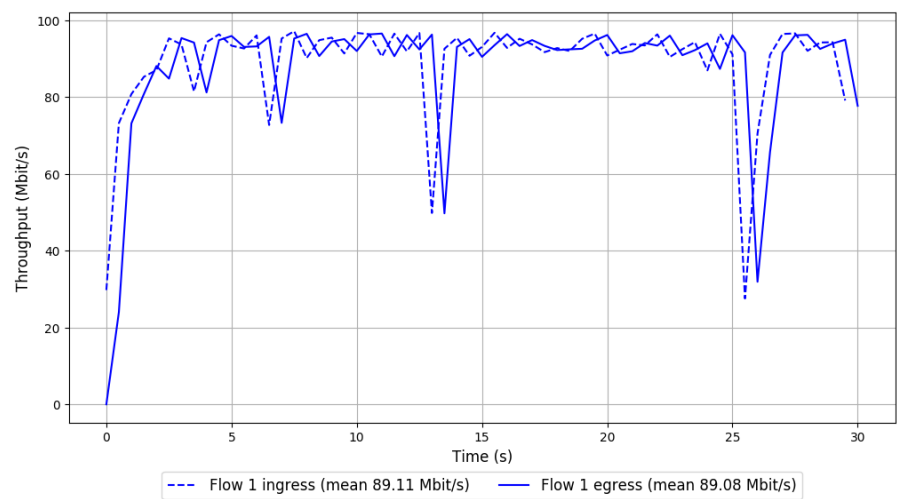


Run 8: Statistics of QUIC Cubic

Start at: 2018-08-22 13:30:47
End at: 2018-08-22 13:31:17
Local clock offset: 0.675 ms
Remote clock offset: -62.048 ms

Below is generated by plot.py at 2018-08-22 14:36:27
Datalink statistics
-- Total of 1 flow:
Average throughput: 89.08 Mbit/s
95th percentile per-packet one-way delay: 29.249 ms
Loss rate: 0.11%
-- Flow 1:
Average throughput: 89.08 Mbit/s
95th percentile per-packet one-way delay: 29.249 ms
Loss rate: 0.11%

Run 8: Report of QUIC Cubic — Data Link

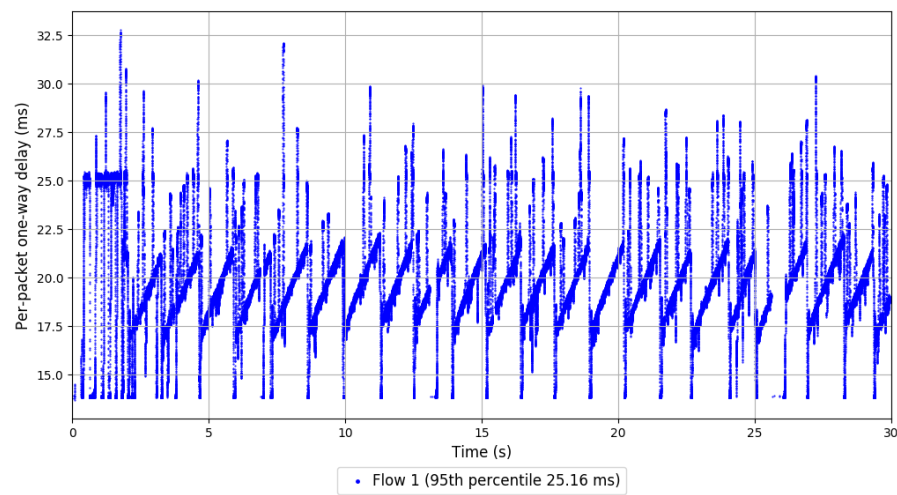
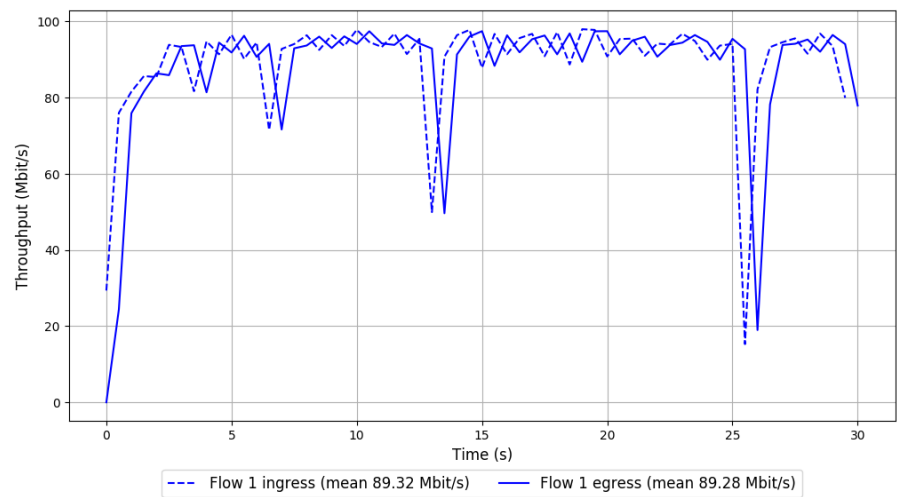


Run 9: Statistics of QUIC Cubic

Start at: 2018-08-22 13:50:14
End at: 2018-08-22 13:50:44
Local clock offset: -2.737 ms
Remote clock offset: -60.367 ms

Below is generated by plot.py at 2018-08-22 14:36:31
Datalink statistics
-- Total of 1 flow:
Average throughput: 89.28 Mbit/s
95th percentile per-packet one-way delay: 25.162 ms
Loss rate: 0.11%
-- Flow 1:
Average throughput: 89.28 Mbit/s
95th percentile per-packet one-way delay: 25.162 ms
Loss rate: 0.11%

Run 9: Report of QUIC Cubic — Data Link



Run 10: Statistics of QUIC Cubic

Start at: 2018-08-22 14:09:37

End at: 2018-08-22 14:10:08

Local clock offset: 0.532 ms

Remote clock offset: -60.633 ms

Below is generated by plot.py at 2018-08-22 14:36:34

Datalink statistics

-- Total of 1 flow:

Average throughput: 90.36 Mbit/s

95th percentile per-packet one-way delay: 27.779 ms

Loss rate: 0.12%

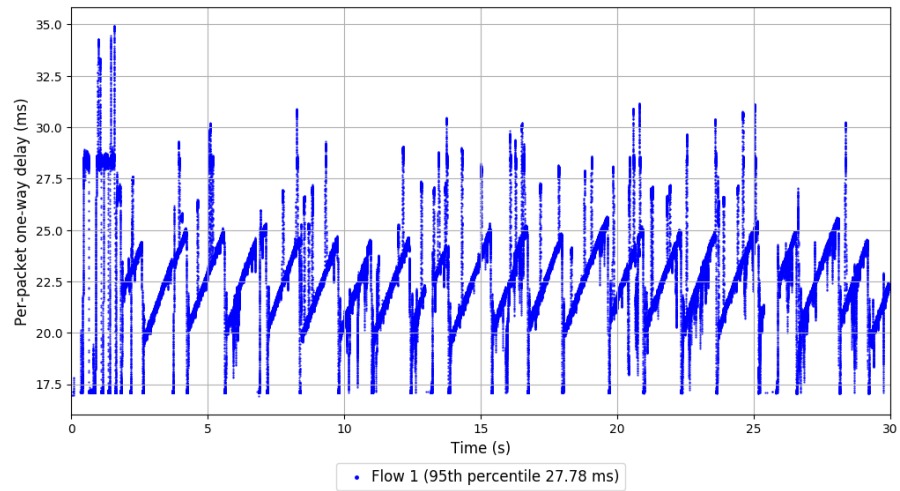
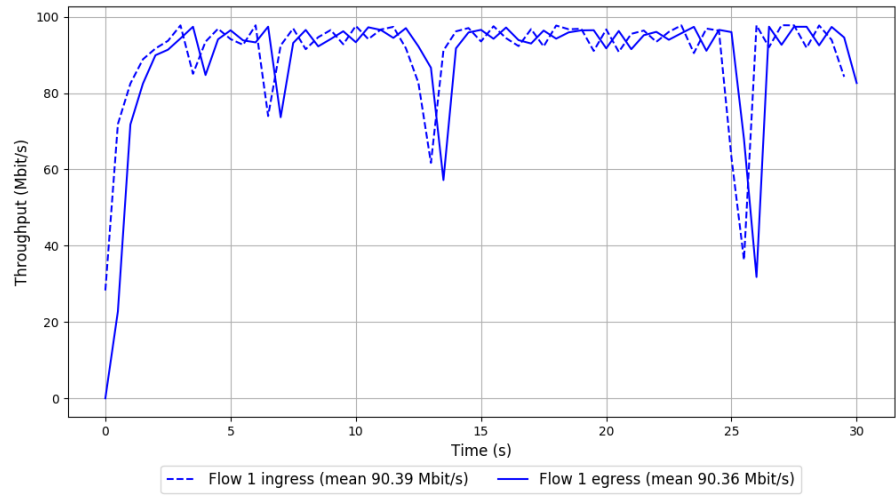
-- Flow 1:

Average throughput: 90.36 Mbit/s

95th percentile per-packet one-way delay: 27.779 ms

Loss rate: 0.12%

Run 10: Report of QUIC Cubic — Data Link

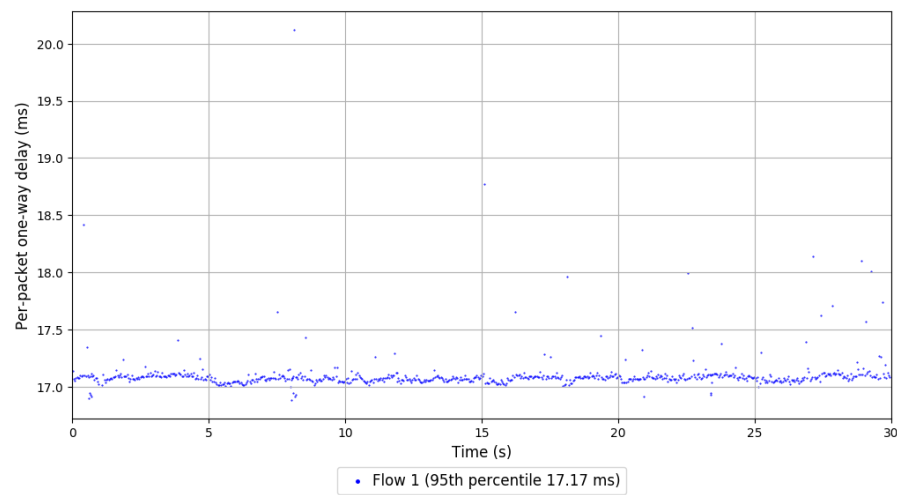
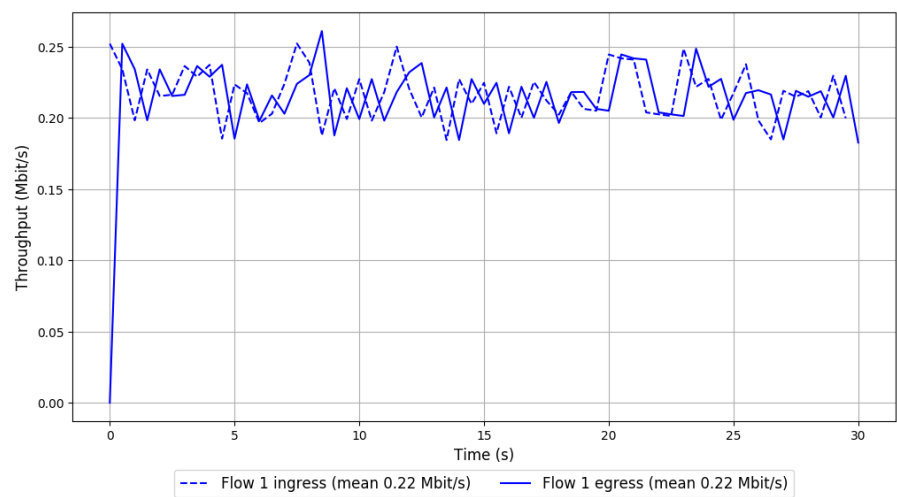


Run 1: Statistics of SCReAM

Start at: 2018-08-22 11:09:39
End at: 2018-08-22 11:10:09
Local clock offset: 0.661 ms
Remote clock offset: -60.785 ms

Below is generated by plot.py at 2018-08-22 14:36:34
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 17.167 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 17.167 ms
Loss rate: 0.13%

Run 1: Report of SReAM — Data Link

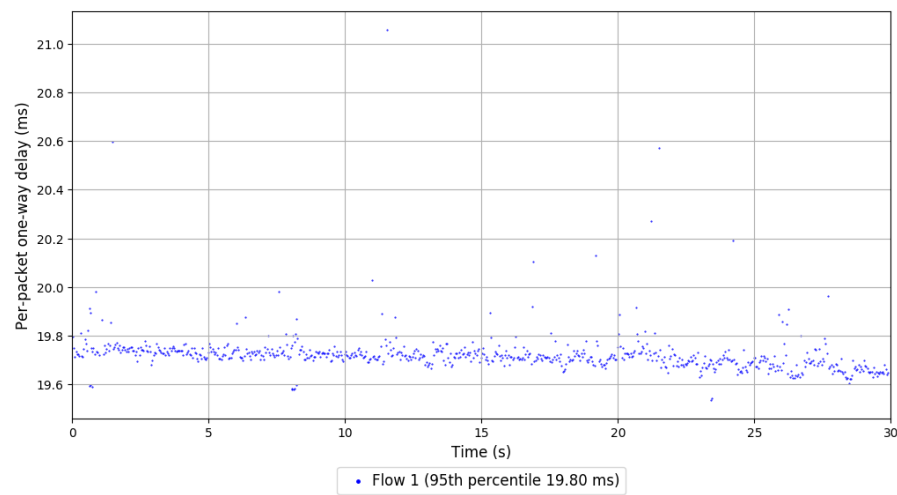
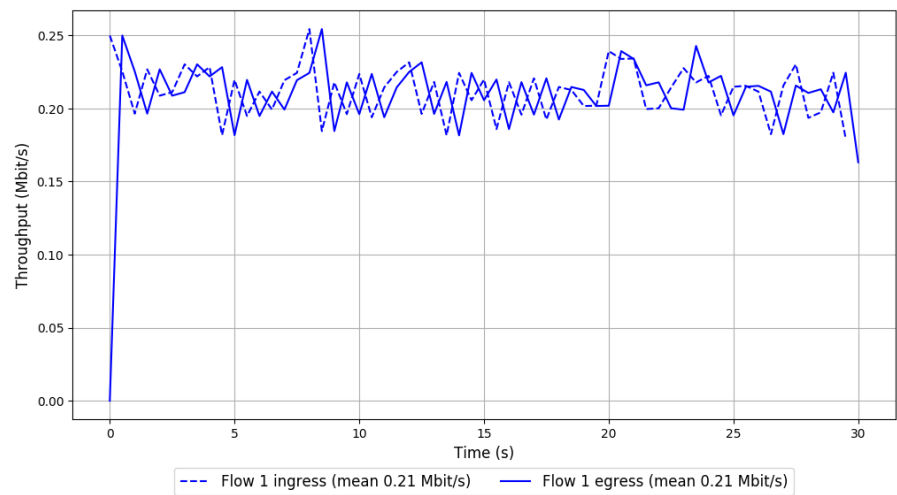


Run 2: Statistics of SCReAM

Start at: 2018-08-22 11:30:16
End at: 2018-08-22 11:30:46
Local clock offset: 2.61 ms
Remote clock offset: -64.145 ms

Below is generated by plot.py at 2018-08-22 14:36:34
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 19.802 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 19.802 ms
Loss rate: 0.13%

Run 2: Report of SReAM — Data Link

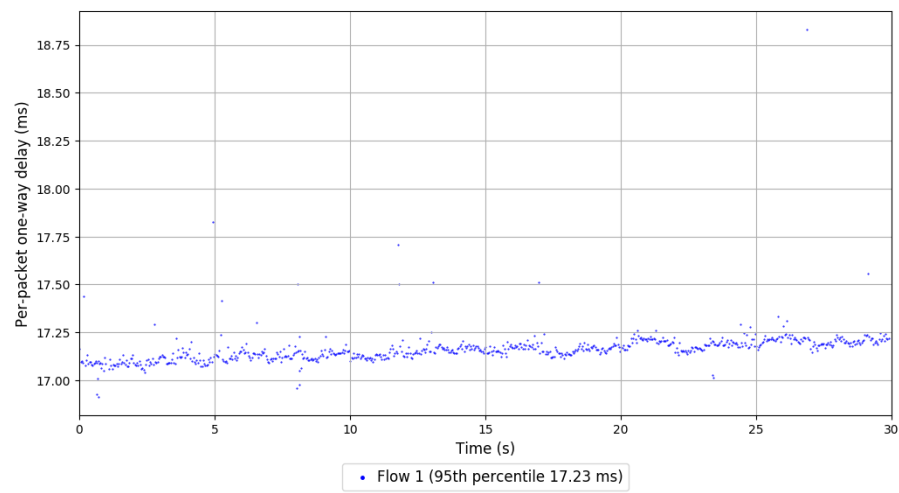
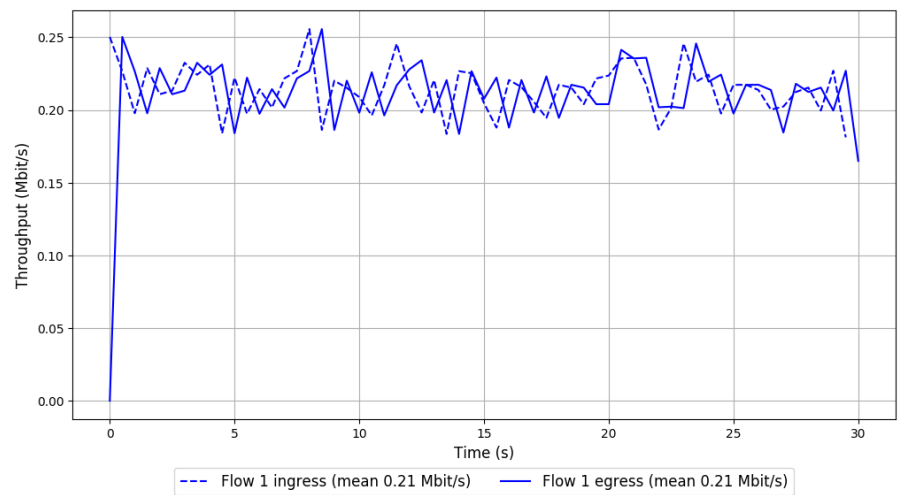


Run 3: Statistics of SCReAM

Start at: 2018-08-22 11:50:15
End at: 2018-08-22 11:50:45
Local clock offset: 1.129 ms
Remote clock offset: -64.47 ms

Below is generated by plot.py at 2018-08-22 14:36:34
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 17.232 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 17.232 ms
Loss rate: 0.13%

Run 3: Report of SReAM — Data Link

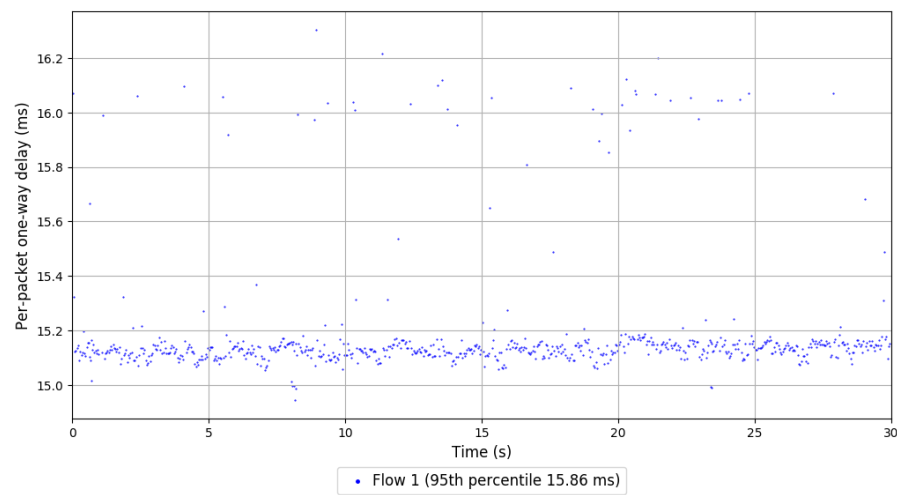
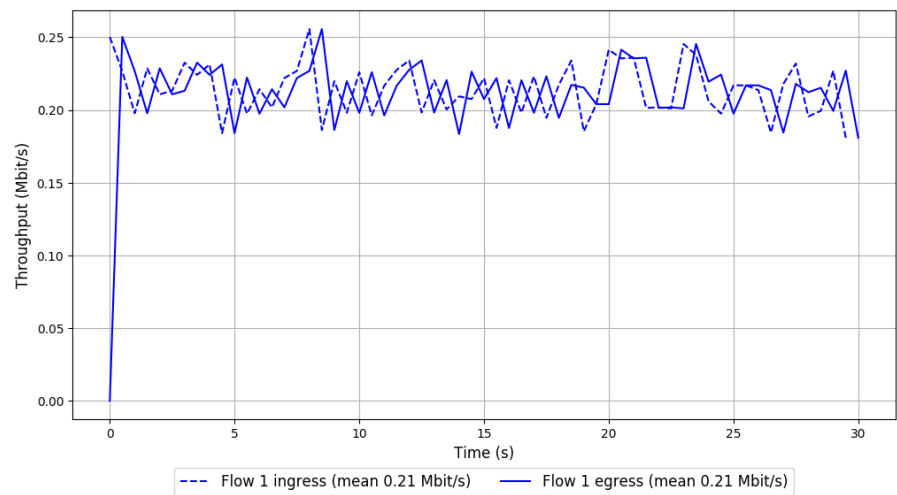


Run 4: Statistics of SCReAM

Start at: 2018-08-22 12:09:40
End at: 2018-08-22 12:10:10
Local clock offset: -1.169 ms
Remote clock offset: -62.793 ms

Below is generated by plot.py at 2018-08-22 14:36:34
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 15.855 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 15.855 ms
Loss rate: 0.00%

Run 4: Report of SReAM — Data Link

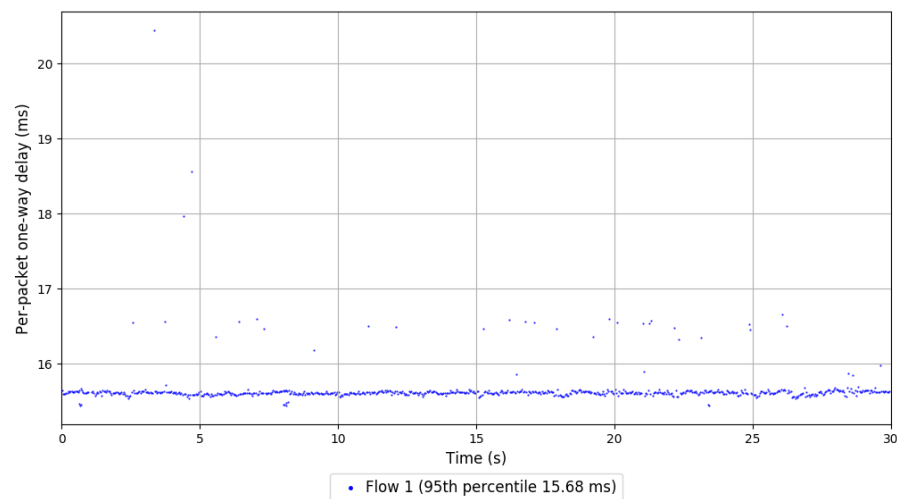
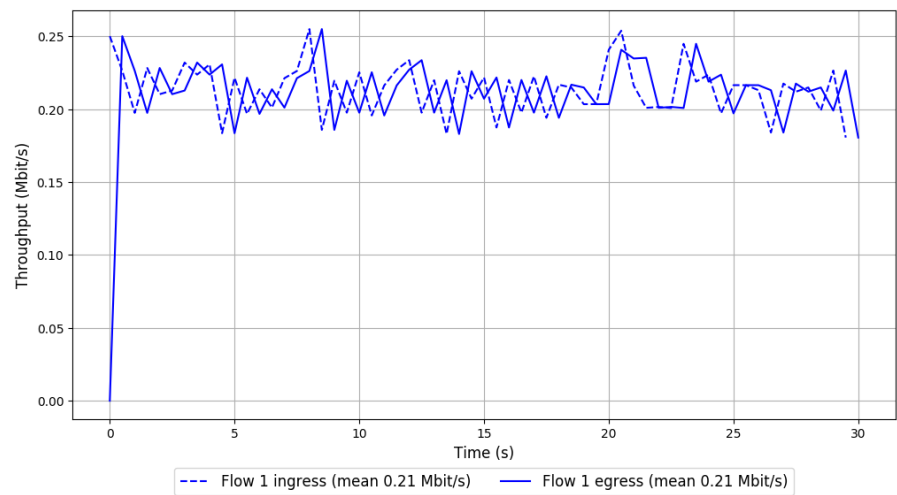


Run 5: Statistics of SReAM

Start at: 2018-08-22 12:29:07
End at: 2018-08-22 12:29:37
Local clock offset: -0.273 ms
Remote clock offset: -61.556 ms

Below is generated by plot.py at 2018-08-22 14:36:34
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 15.677 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 15.677 ms
Loss rate: 0.00%

Run 5: Report of SReAM — Data Link

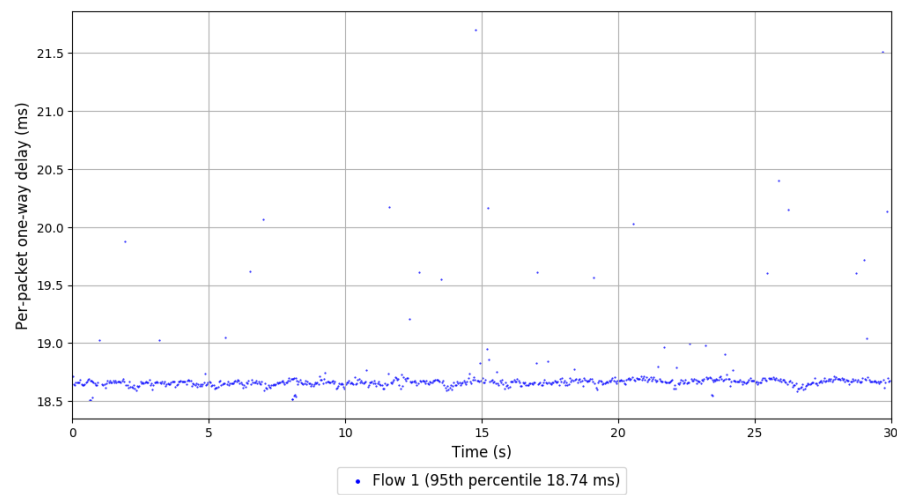
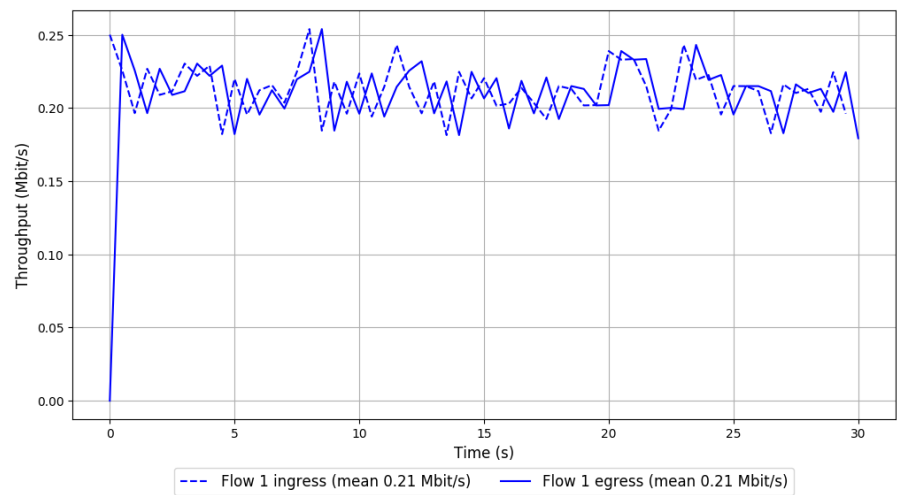


Run 6: Statistics of SCReAM

Start at: 2018-08-22 12:48:35
End at: 2018-08-22 12:49:05
Local clock offset: 2.024 ms
Remote clock offset: -61.613 ms

Below is generated by plot.py at 2018-08-22 14:36:34
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 18.743 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 18.743 ms
Loss rate: 0.13%

Run 6: Report of SReAM — Data Link

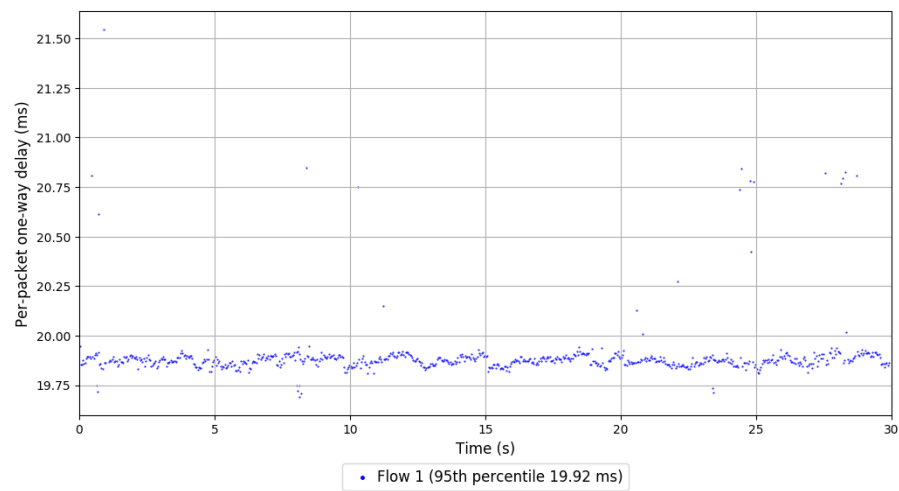
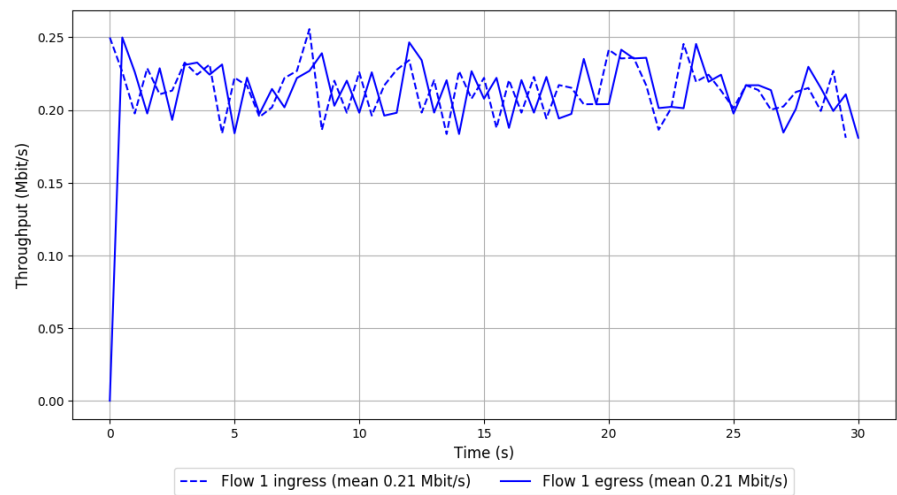


Run 7: Statistics of SCReAM

Start at: 2018-08-22 13:07:52
End at: 2018-08-22 13:08:22
Local clock offset: 3.561 ms
Remote clock offset: -61.808 ms

Below is generated by plot.py at 2018-08-22 14:36:34
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 19.920 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 19.920 ms
Loss rate: 0.13%

Run 7: Report of SReAM — Data Link

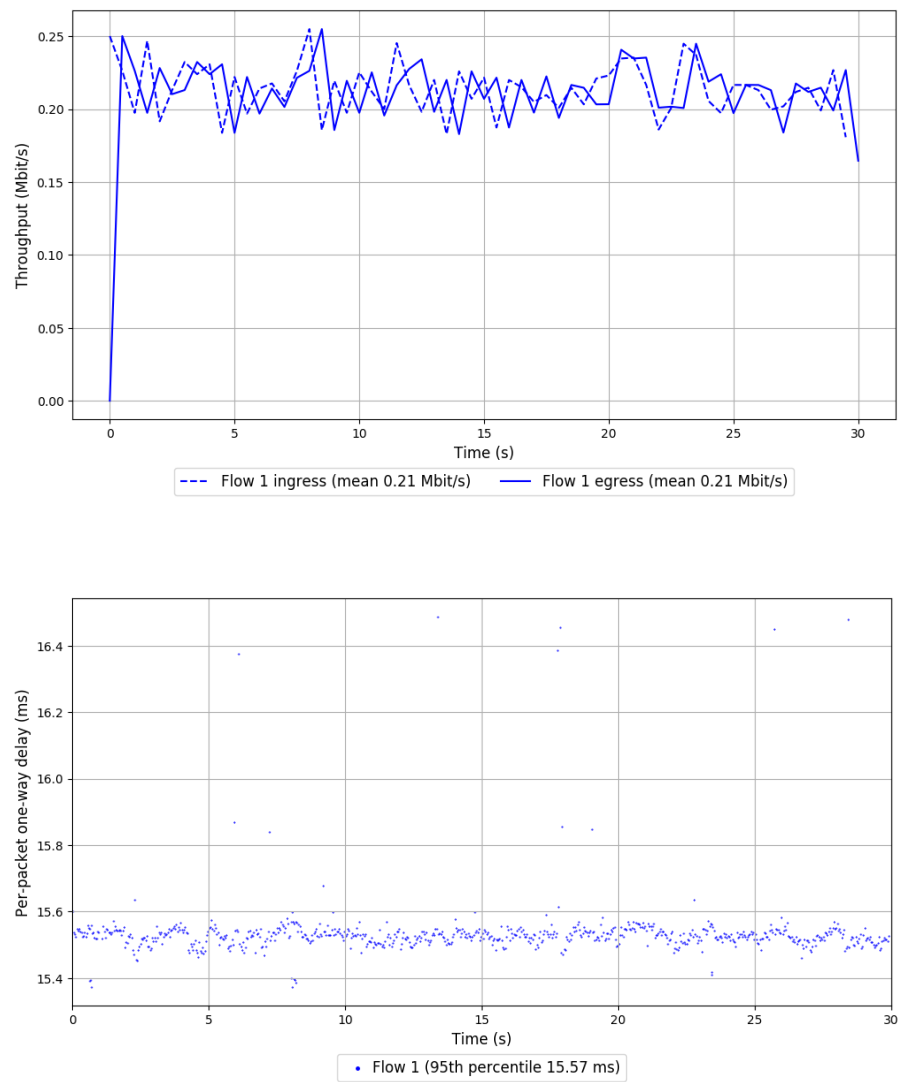


Run 8: Statistics of SCReAM

Start at: 2018-08-22 13:27:25
End at: 2018-08-22 13:27:55
Local clock offset: -1.245 ms
Remote clock offset: -61.67 ms

Below is generated by plot.py at 2018-08-22 14:36:34
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 15.566 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 15.566 ms
Loss rate: 0.13%

Run 8: Report of SReAM — Data Link

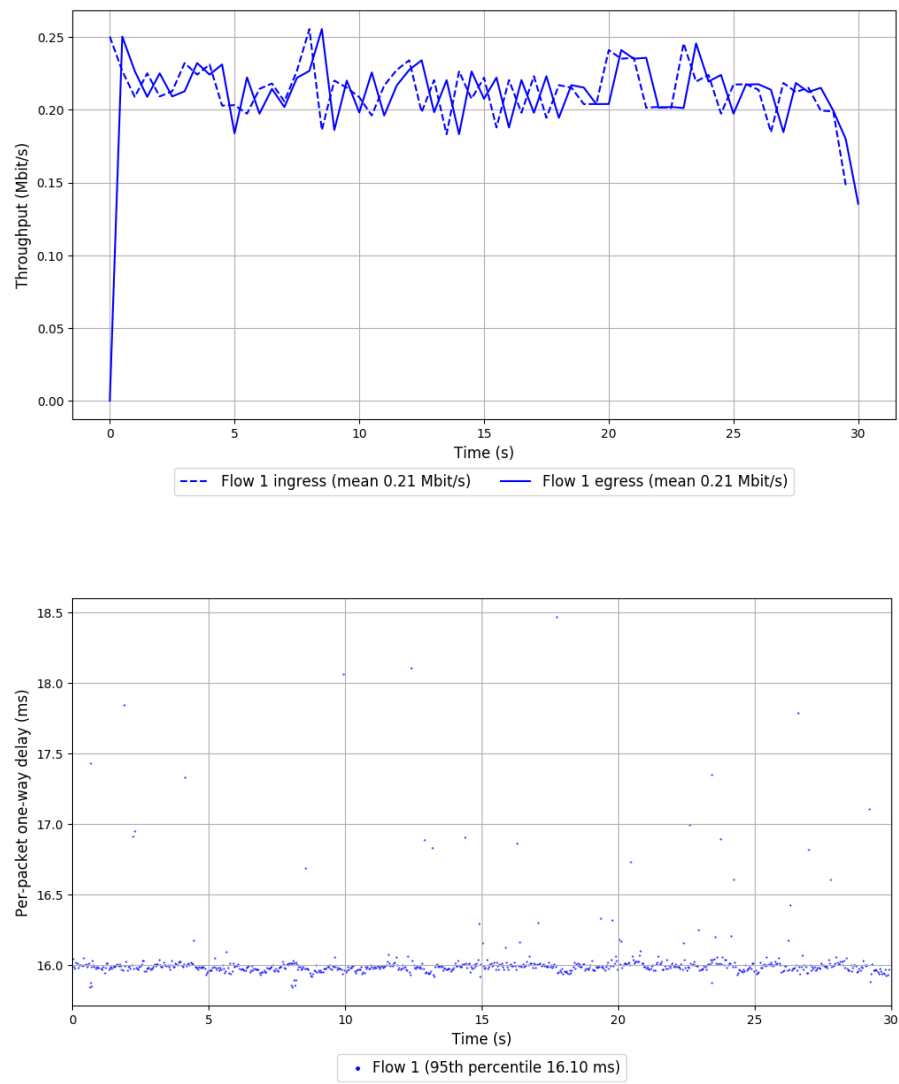


Run 9: Statistics of SCReAM

Start at: 2018-08-22 13:46:53
End at: 2018-08-22 13:47:23
Local clock offset: -0.346 ms
Remote clock offset: -60.079 ms

Below is generated by plot.py at 2018-08-22 14:36:34
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 16.100 ms
Loss rate: 0.25%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 16.100 ms
Loss rate: 0.25%

Run 9: Report of SReAM — Data Link

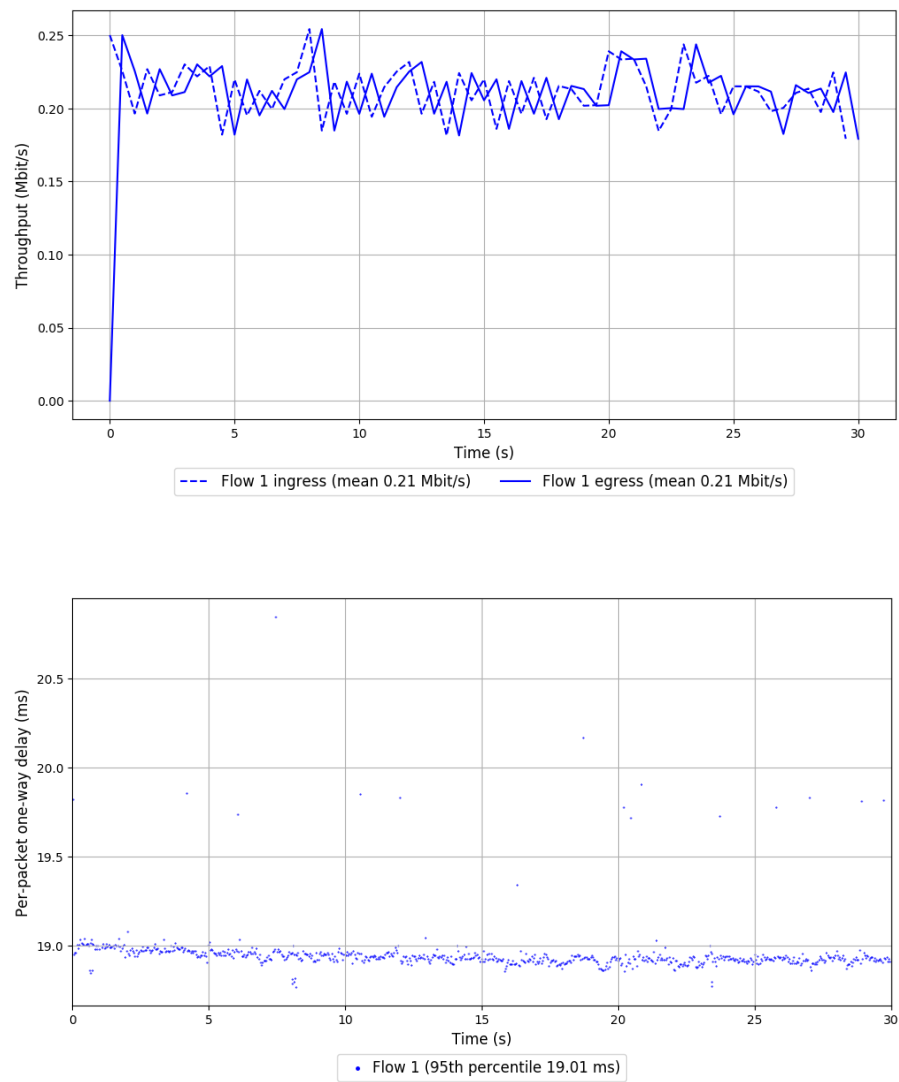


Run 10: Statistics of SCReAM

Start at: 2018-08-22 14:06:18
End at: 2018-08-22 14:06:48
Local clock offset: 2.473 ms
Remote clock offset: -60.372 ms

Below is generated by plot.py at 2018-08-22 14:36:34
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 19.008 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 19.008 ms
Loss rate: 0.00%

Run 10: Report of SReAM — Data Link

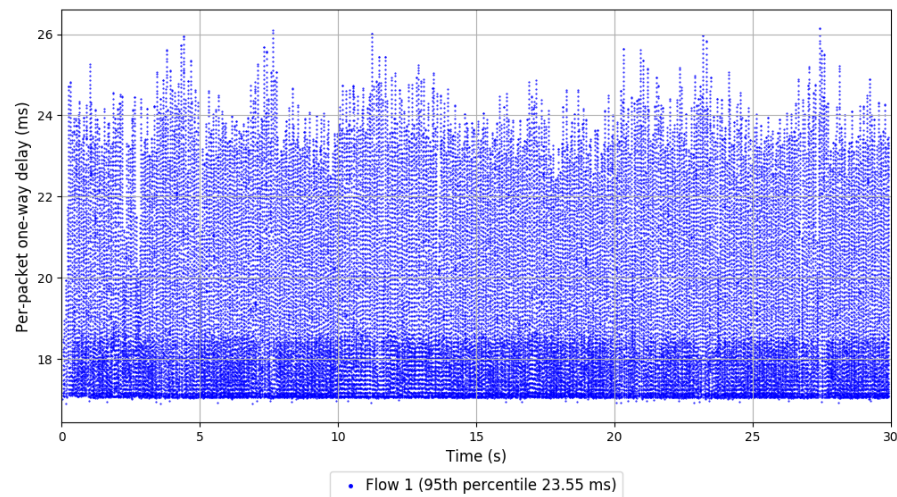
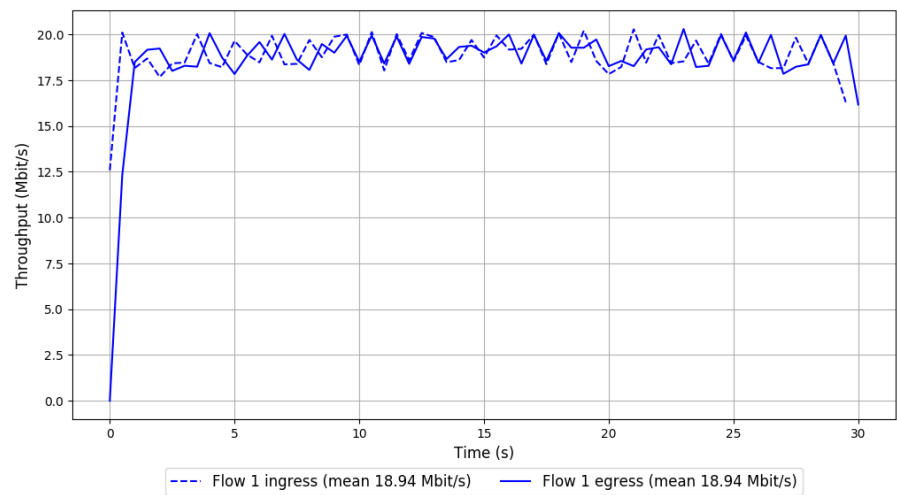


Run 1: Statistics of Sprout

Start at: 2018-08-22 11:10:43
End at: 2018-08-22 11:11:13
Local clock offset: 0.613 ms
Remote clock offset: -60.857 ms

Below is generated by plot.py at 2018-08-22 14:36:34
Datalink statistics
-- Total of 1 flow:
Average throughput: 18.94 Mbit/s
95th percentile per-packet one-way delay: 23.549 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 18.94 Mbit/s
95th percentile per-packet one-way delay: 23.549 ms
Loss rate: 0.03%

Run 1: Report of Sprout — Data Link

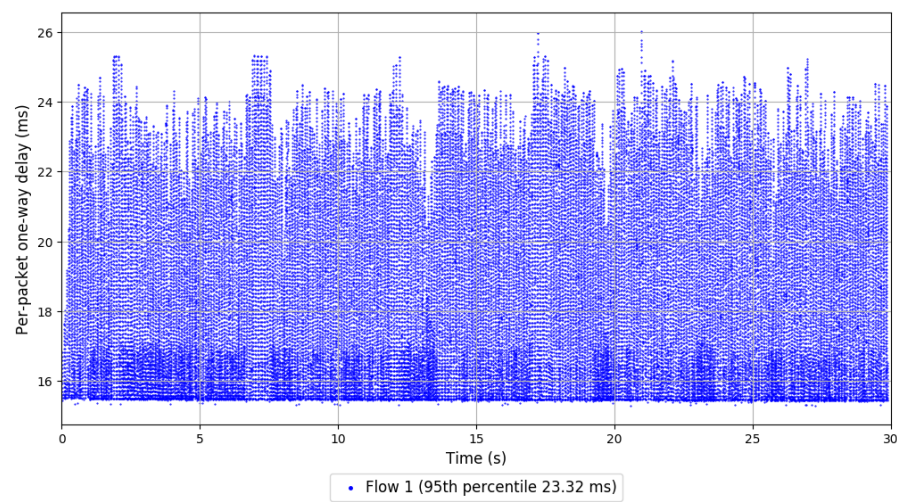
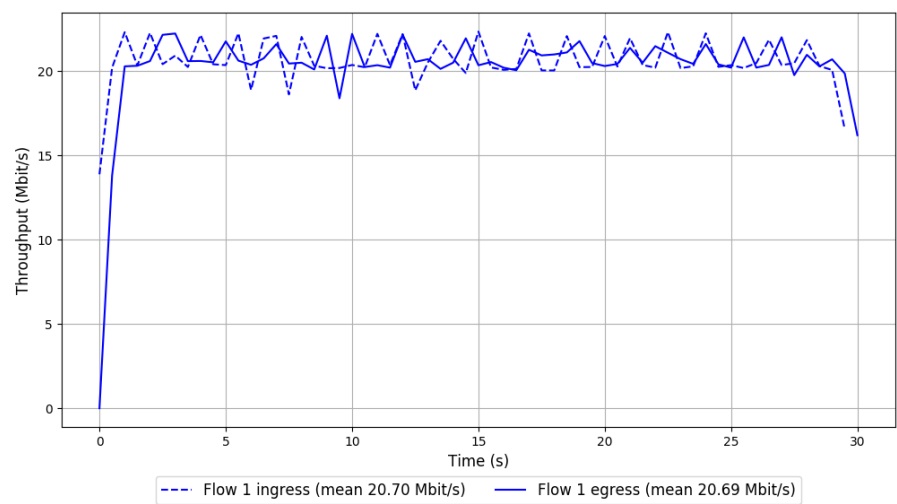


Run 2: Statistics of Sprout

Start at: 2018-08-22 11:31:21
End at: 2018-08-22 11:31:51
Local clock offset: -1.446 ms
Remote clock offset: -64.089 ms

Below is generated by plot.py at 2018-08-22 14:36:34
Datalink statistics
-- Total of 1 flow:
Average throughput: 20.69 Mbit/s
95th percentile per-packet one-way delay: 23.324 ms
Loss rate: 0.16%
-- Flow 1:
Average throughput: 20.69 Mbit/s
95th percentile per-packet one-way delay: 23.324 ms
Loss rate: 0.16%

Run 2: Report of Sprout — Data Link

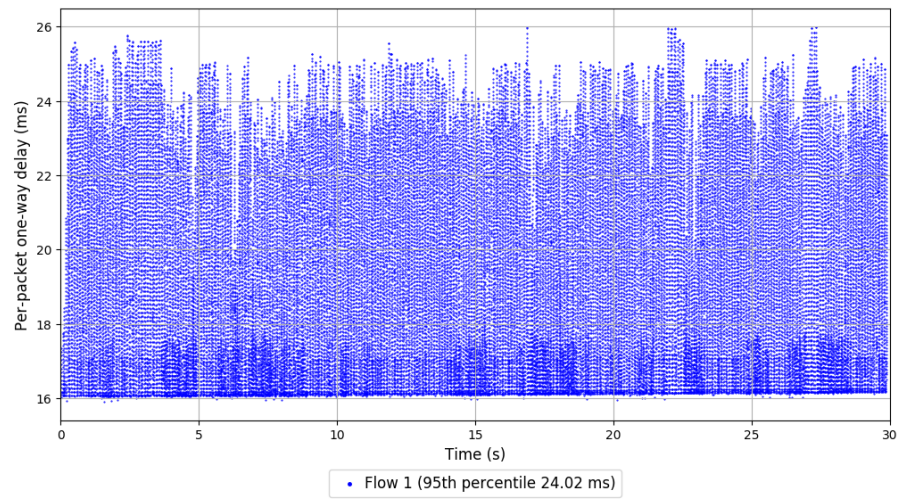
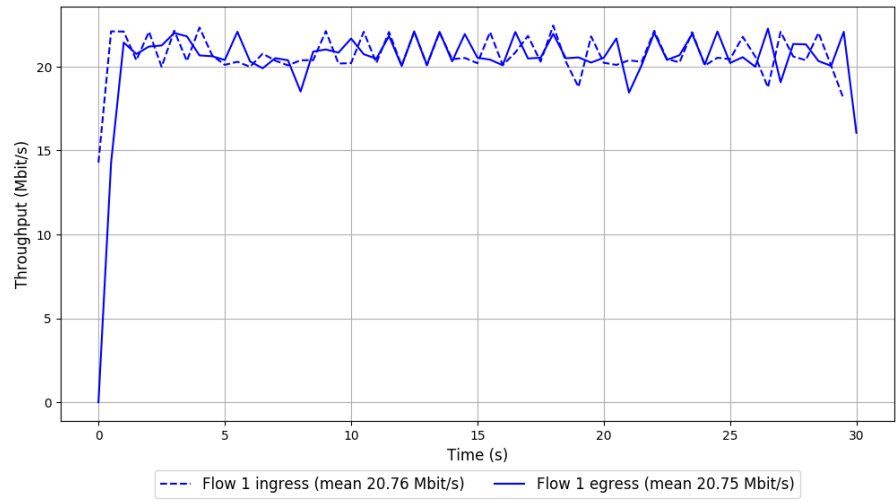


Run 3: Statistics of Sprout

Start at: 2018-08-22 11:51:19
End at: 2018-08-22 11:51:49
Local clock offset: -0.017 ms
Remote clock offset: -64.317 ms

Below is generated by plot.py at 2018-08-22 14:36:34
Datalink statistics
-- Total of 1 flow:
Average throughput: 20.75 Mbit/s
95th percentile per-packet one-way delay: 24.016 ms
Loss rate: 0.16%
-- Flow 1:
Average throughput: 20.75 Mbit/s
95th percentile per-packet one-way delay: 24.016 ms
Loss rate: 0.16%

Run 3: Report of Sprout — Data Link

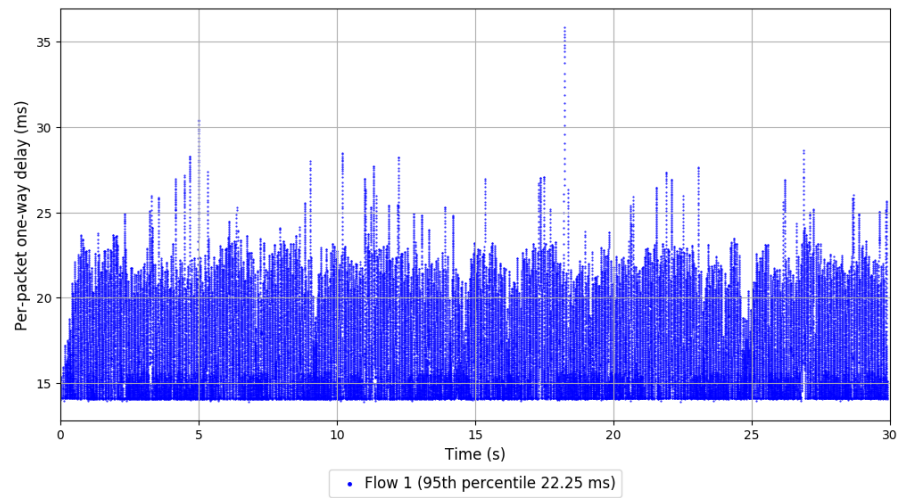
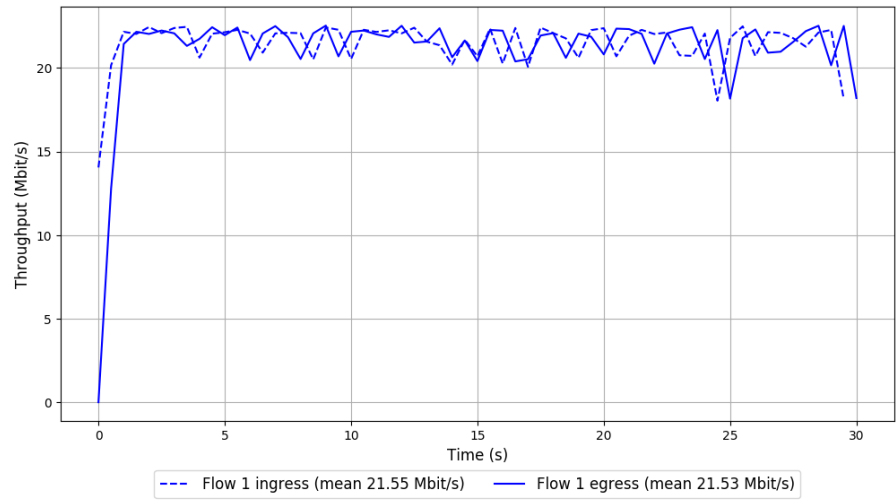


Run 4: Statistics of Sprout

Start at: 2018-08-22 12:10:44
End at: 2018-08-22 12:11:14
Local clock offset: -1.241 ms
Remote clock offset: -61.773 ms

Below is generated by plot.py at 2018-08-22 14:36:34
Datalink statistics
-- Total of 1 flow:
Average throughput: 21.53 Mbit/s
95th percentile per-packet one-way delay: 22.248 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 21.53 Mbit/s
95th percentile per-packet one-way delay: 22.248 ms
Loss rate: 0.13%

Run 4: Report of Sprout — Data Link

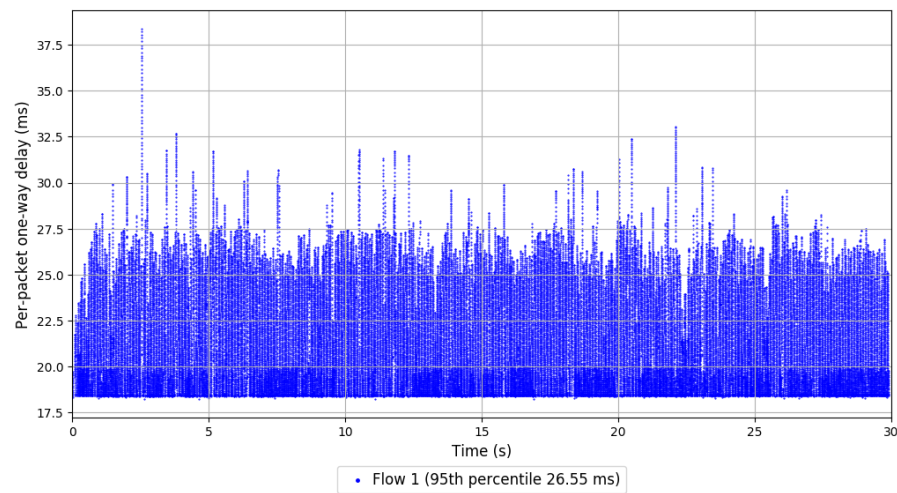
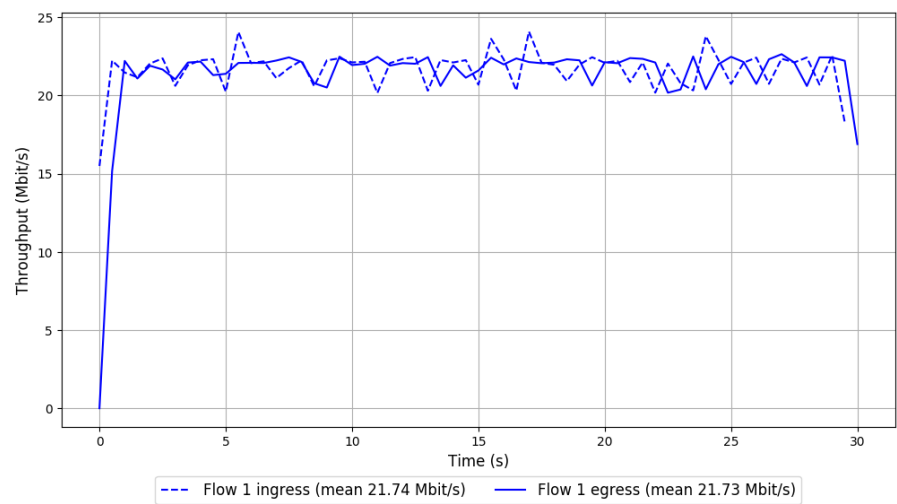


Run 5: Statistics of Sprout

Start at: 2018-08-22 12:30:11
End at: 2018-08-22 12:30:41
Local clock offset: 1.619 ms
Remote clock offset: -62.452 ms

Below is generated by plot.py at 2018-08-22 14:36:38
Datalink statistics
-- Total of 1 flow:
Average throughput: 21.73 Mbit/s
95th percentile per-packet one-way delay: 26.545 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 21.73 Mbit/s
95th percentile per-packet one-way delay: 26.545 ms
Loss rate: 0.13%

Run 5: Report of Sprout — Data Link

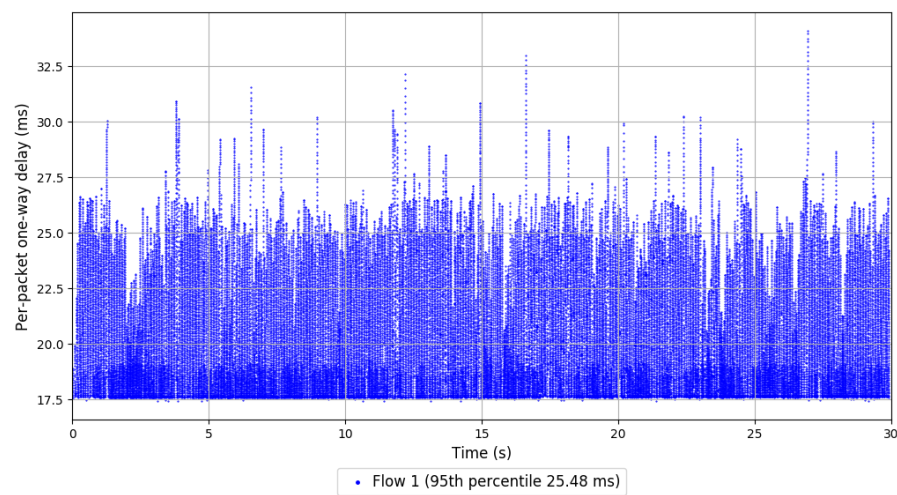
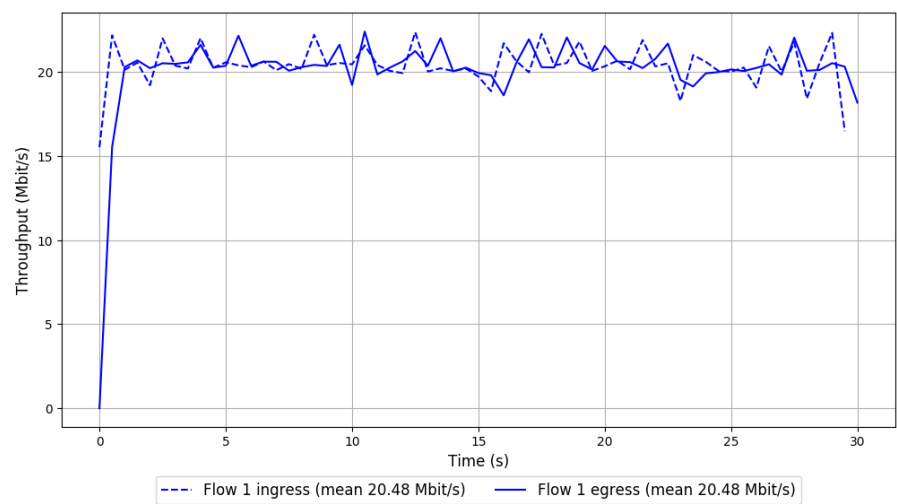


Run 6: Statistics of Sprout

Start at: 2018-08-22 12:49:39
End at: 2018-08-22 12:50:09
Local clock offset: 1.242 ms
Remote clock offset: -61.304 ms

Below is generated by plot.py at 2018-08-22 14:36:41
Datalink statistics
-- Total of 1 flow:
Average throughput: 20.48 Mbit/s
95th percentile per-packet one-way delay: 25.483 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 20.48 Mbit/s
95th percentile per-packet one-way delay: 25.483 ms
Loss rate: 0.03%

Run 6: Report of Sprout — Data Link

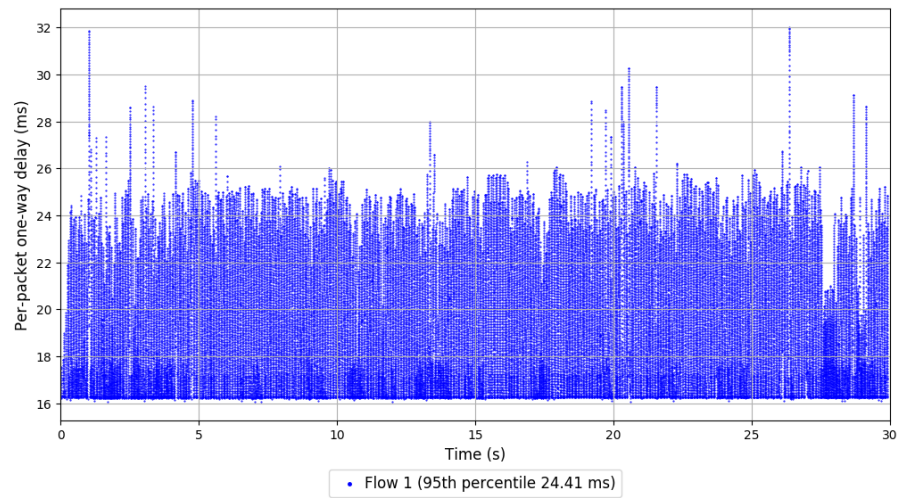
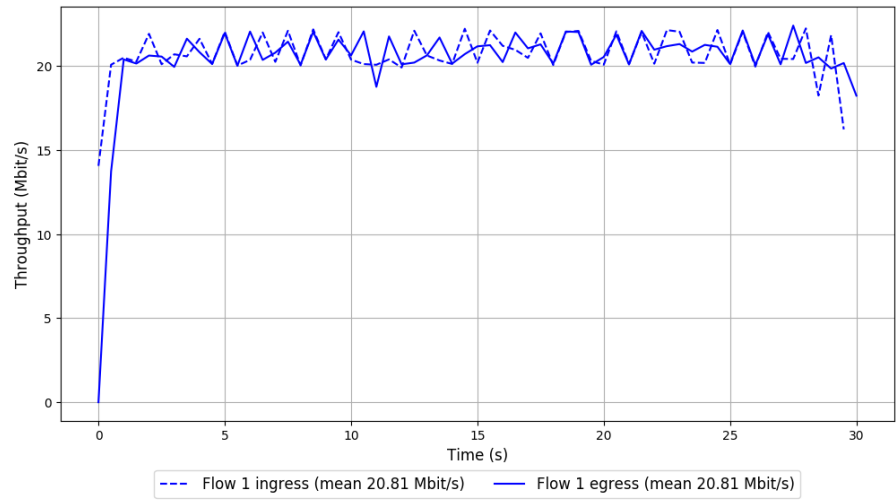


Run 7: Statistics of Sprout

Start at: 2018-08-22 13:08:57
End at: 2018-08-22 13:09:27
Local clock offset: -0.352 ms
Remote clock offset: -62.07 ms

Below is generated by plot.py at 2018-08-22 14:36:42
Datalink statistics
-- Total of 1 flow:
Average throughput: 20.81 Mbit/s
95th percentile per-packet one-way delay: 24.405 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 20.81 Mbit/s
95th percentile per-packet one-way delay: 24.405 ms
Loss rate: 0.00%

Run 7: Report of Sprout — Data Link

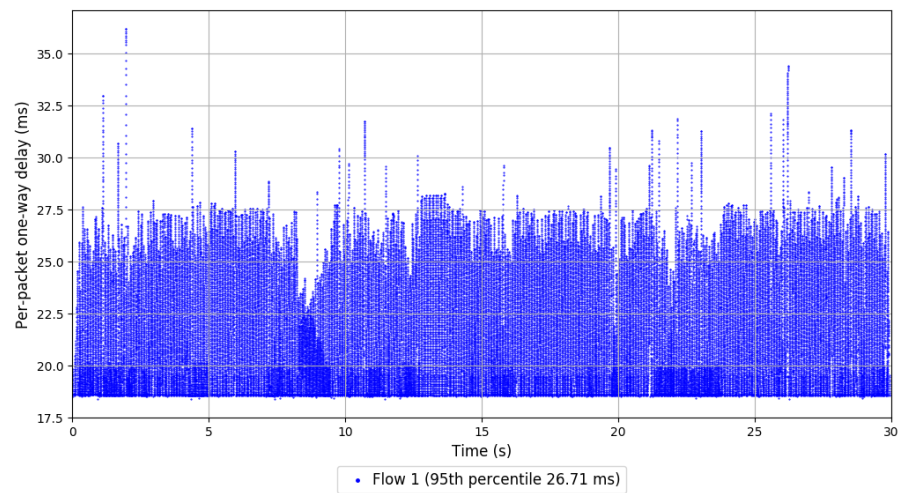
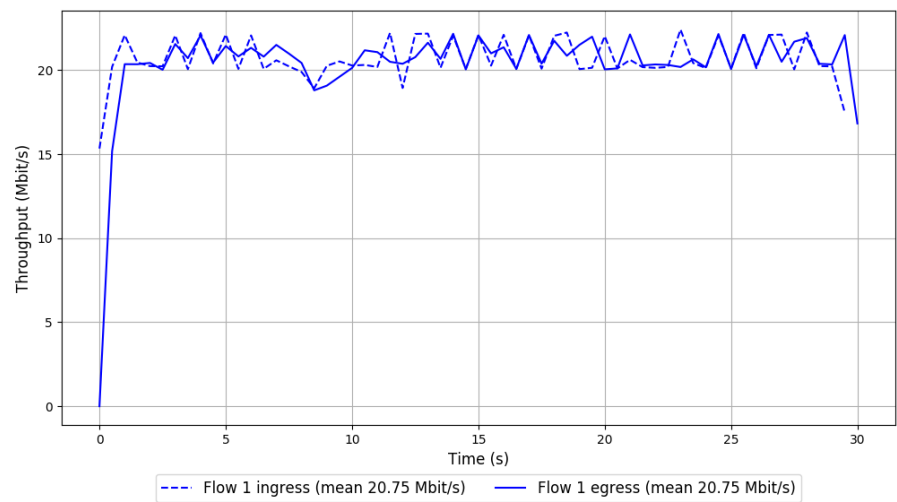


Run 8: Statistics of Sprout

Start at: 2018-08-22 13:28:29
End at: 2018-08-22 13:28:59
Local clock offset: 1.276 ms
Remote clock offset: -62.187 ms

Below is generated by plot.py at 2018-08-22 14:36:46
Datalink statistics
-- Total of 1 flow:
Average throughput: 20.75 Mbit/s
95th percentile per-packet one-way delay: 26.708 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 20.75 Mbit/s
95th percentile per-packet one-way delay: 26.708 ms
Loss rate: 0.06%

Run 8: Report of Sprout — Data Link

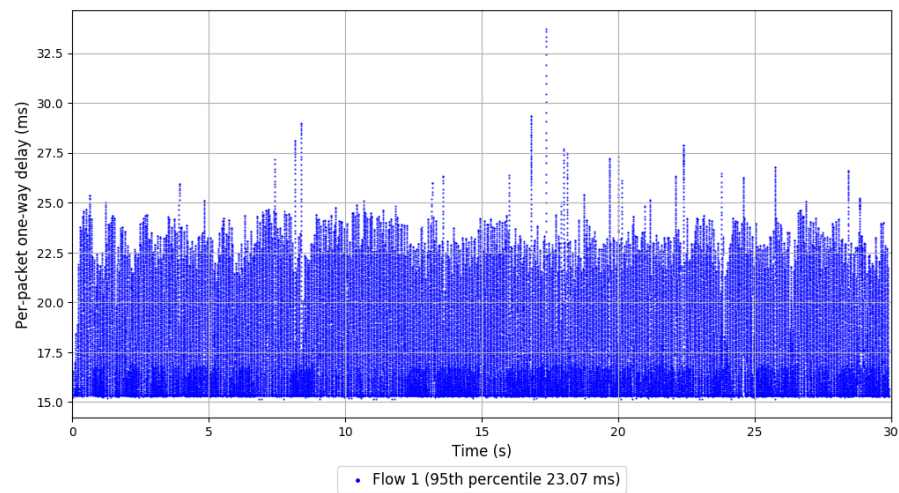
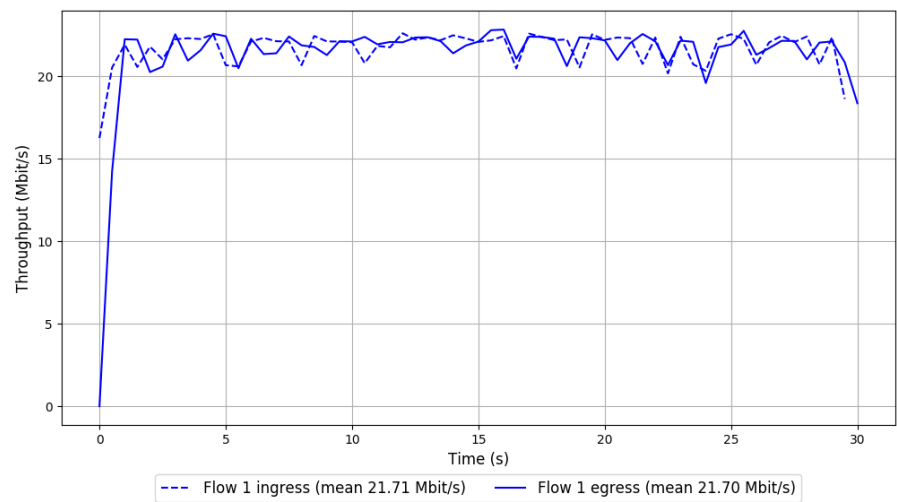


Run 9: Statistics of Sprout

Start at: 2018-08-22 13:47:57
End at: 2018-08-22 13:48:27
Local clock offset: -0.728 ms
Remote clock offset: -59.803 ms

Below is generated by plot.py at 2018-08-22 14:36:50
Datalink statistics
-- Total of 1 flow:
Average throughput: 21.70 Mbit/s
95th percentile per-packet one-way delay: 23.072 ms
Loss rate: 0.16%
-- Flow 1:
Average throughput: 21.70 Mbit/s
95th percentile per-packet one-way delay: 23.072 ms
Loss rate: 0.16%

Run 9: Report of Sprout — Data Link

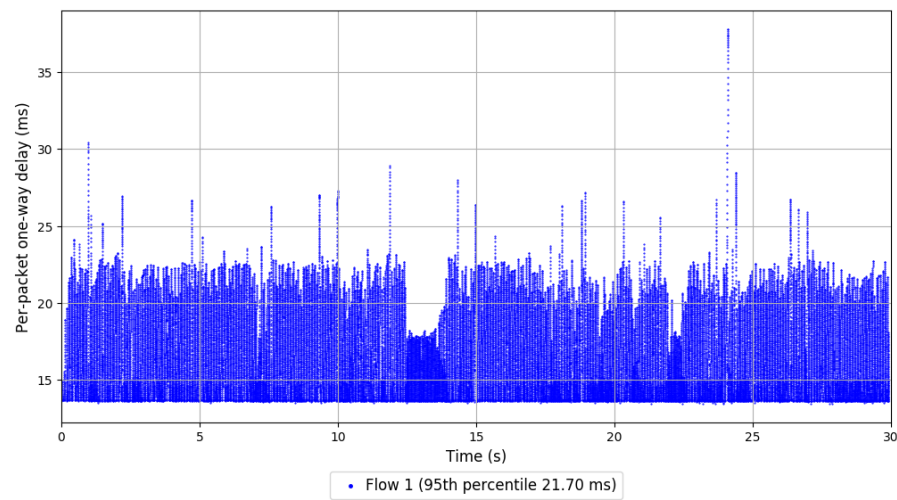
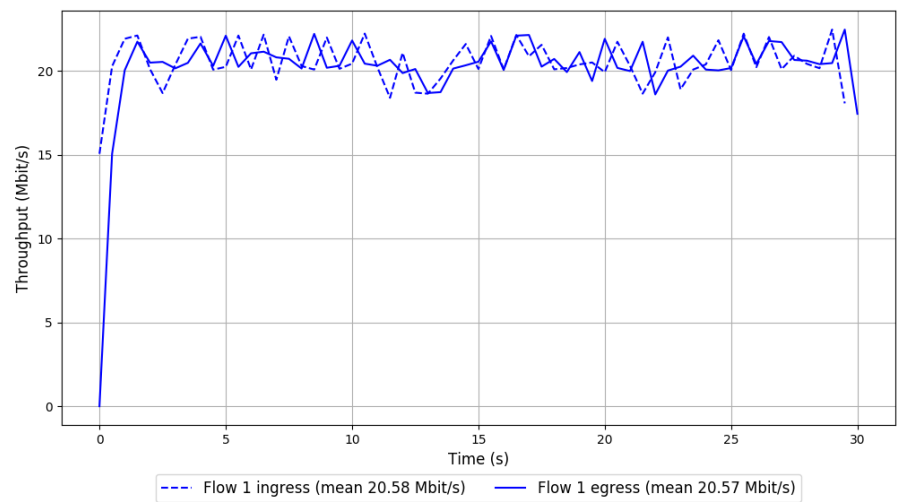


Run 10: Statistics of Sprout

Start at: 2018-08-22 14:07:22
End at: 2018-08-22 14:07:52
Local clock offset: -2.423 ms
Remote clock offset: -60.051 ms

Below is generated by plot.py at 2018-08-22 14:36:50
Datalink statistics
-- Total of 1 flow:
Average throughput: 20.57 Mbit/s
95th percentile per-packet one-way delay: 21.705 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 20.57 Mbit/s
95th percentile per-packet one-way delay: 21.705 ms
Loss rate: 0.05%

Run 10: Report of Sprout — Data Link

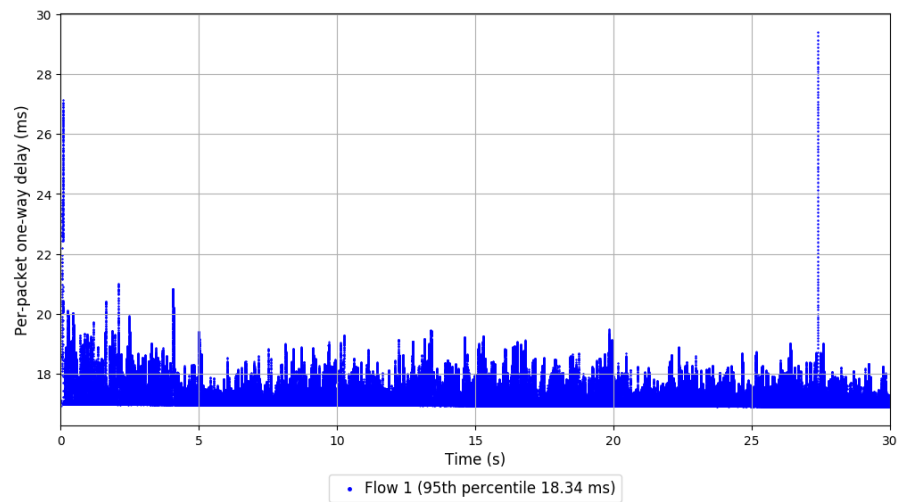
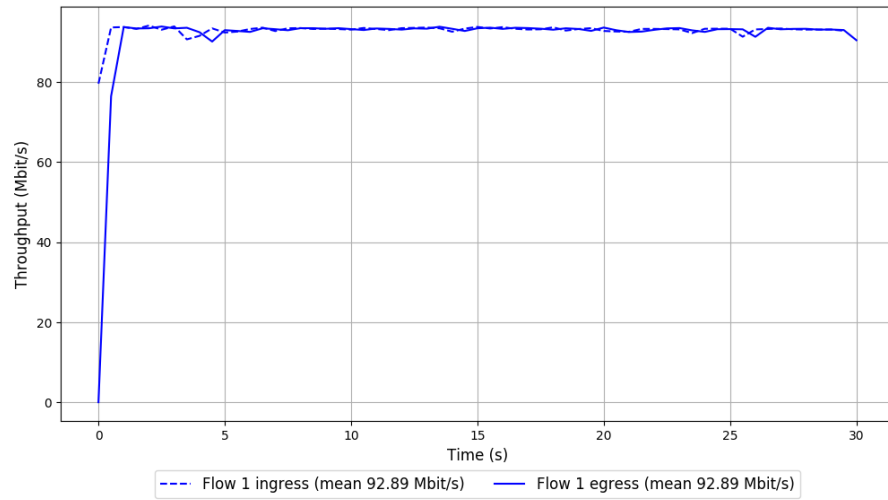


```
Run 1: Statistics of TaoVA-100x

Start at: 2018-08-22 11:20:27
End at: 2018-08-22 11:20:57
Local clock offset: 0.697 ms
Remote clock offset: -62.159 ms

# Below is generated by plot.py at 2018-08-22 14:38:31
# Datalink statistics
-- Total of 1 flow:
Average throughput: 92.89 Mbit/s
95th percentile per-packet one-way delay: 18.341 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 92.89 Mbit/s
95th percentile per-packet one-way delay: 18.341 ms
Loss rate: 0.10%
```


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

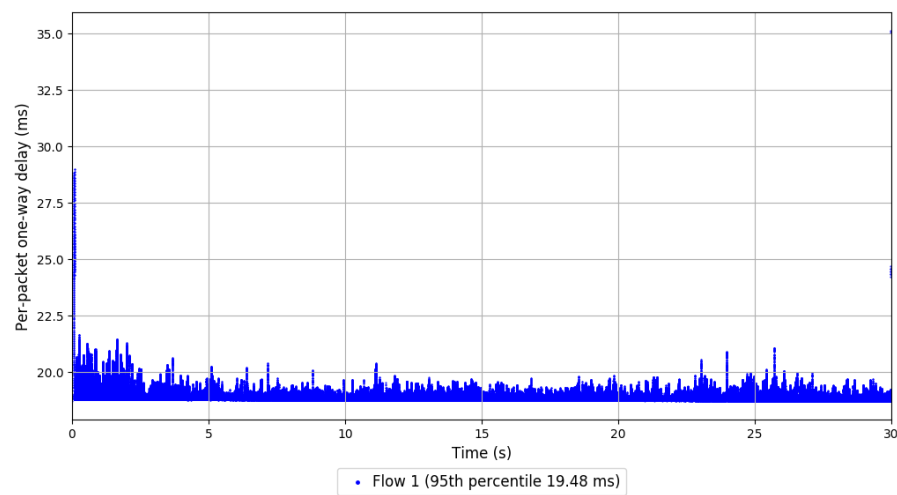
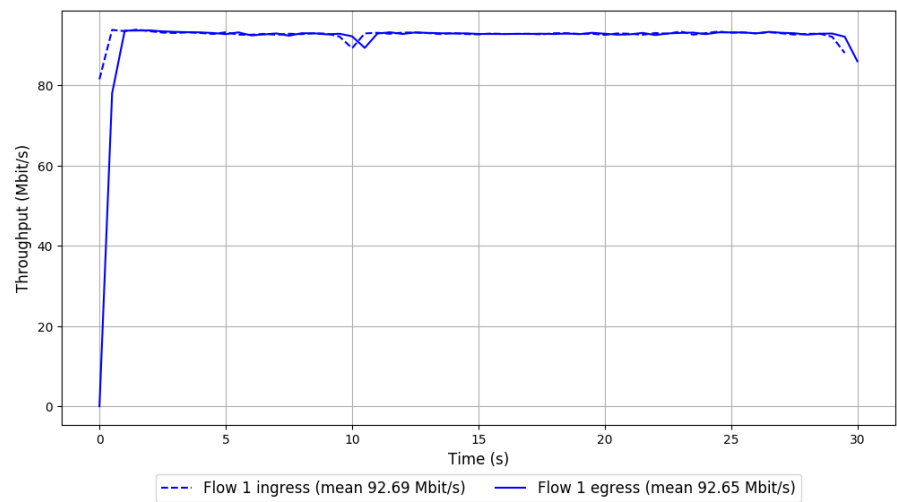


Run 2: Statistics of TaoVA-100x

Start at: 2018-08-22 11:40:52
End at: 2018-08-22 11:41:22
Local clock offset: 2.715 ms
Remote clock offset: -64.275 ms

Below is generated by plot.py at 2018-08-22 14:38:34
Datalink statistics
-- Total of 1 flow:
Average throughput: 92.65 Mbit/s
95th percentile per-packet one-way delay: 19.485 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 92.65 Mbit/s
95th percentile per-packet one-way delay: 19.485 ms
Loss rate: 0.10%

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

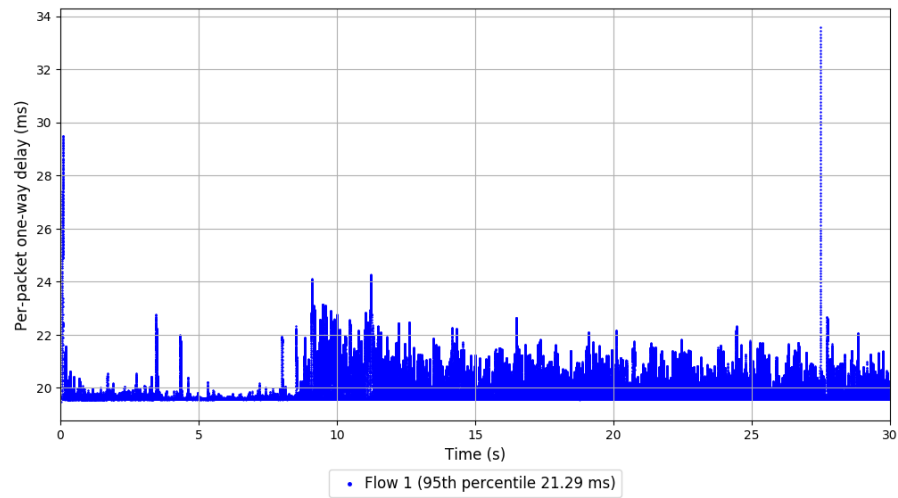
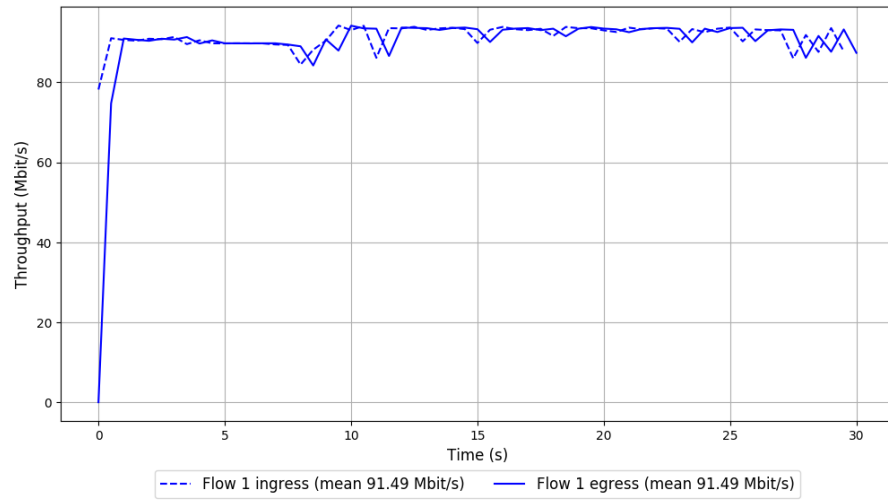


Run 3: Statistics of TaoVA-100x

Start at: 2018-08-22 12:00:33
End at: 2018-08-22 12:01:03
Local clock offset: 3.769 ms
Remote clock offset: -62.813 ms

Below is generated by plot.py at 2018-08-22 14:38:36
Datalink statistics
-- Total of 1 flow:
Average throughput: 91.49 Mbit/s
95th percentile per-packet one-way delay: 21.289 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 91.49 Mbit/s
95th percentile per-packet one-way delay: 21.289 ms
Loss rate: 0.08%

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

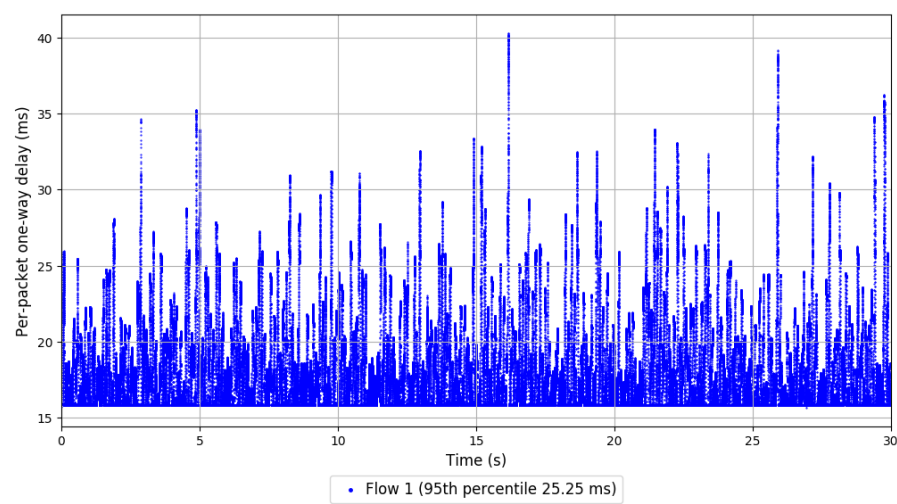
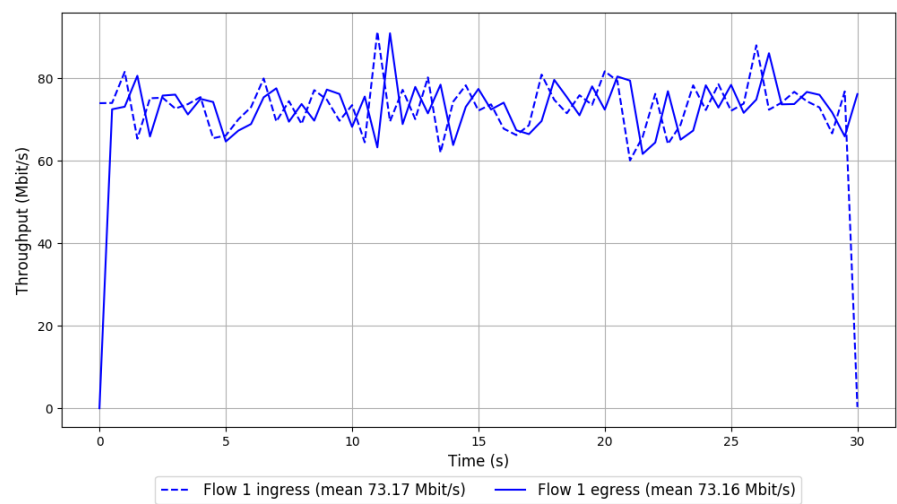


Run 4: Statistics of TaoVA-100x

Start at: 2018-08-22 12:20:00
End at: 2018-08-22 12:20:30
Local clock offset: -0.322 ms
Remote clock offset: -62.121 ms

Below is generated by plot.py at 2018-08-22 14:38:36
Datalink statistics
-- Total of 1 flow:
Average throughput: 73.16 Mbit/s
95th percentile per-packet one-way delay: 25.251 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 73.16 Mbit/s
95th percentile per-packet one-way delay: 25.251 ms
Loss rate: 0.10%

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

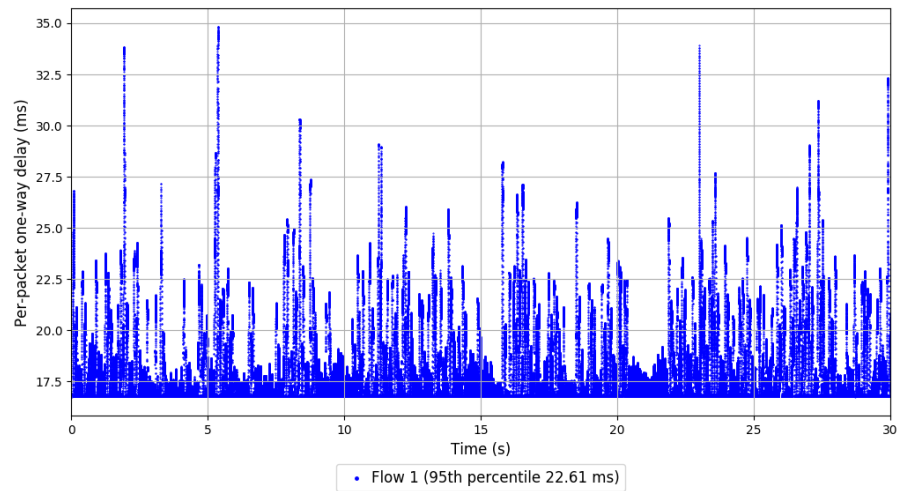
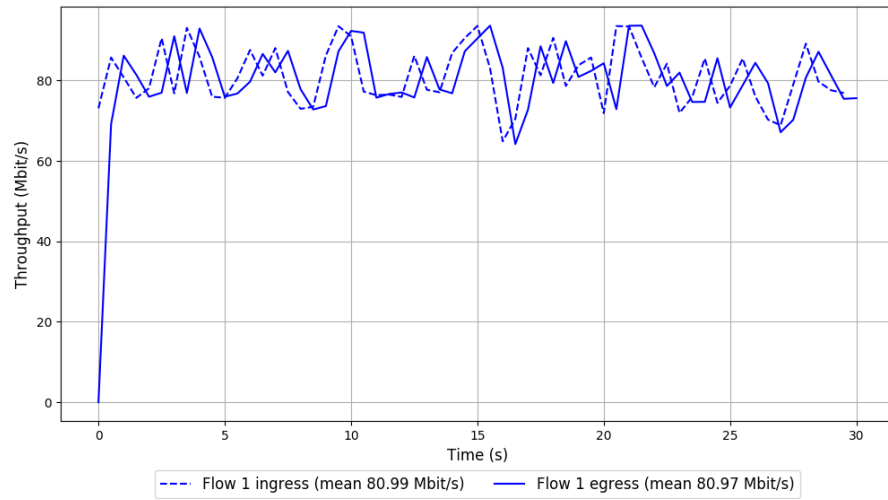


Run 5: Statistics of TaoVA-100x

Start at: 2018-08-22 12:39:22
End at: 2018-08-22 12:39:52
Local clock offset: 0.889 ms
Remote clock offset: -61.248 ms

Below is generated by plot.py at 2018-08-22 14:38:36
Datalink statistics
-- Total of 1 flow:
Average throughput: 80.97 Mbit/s
95th percentile per-packet one-way delay: 22.614 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 80.97 Mbit/s
95th percentile per-packet one-way delay: 22.614 ms
Loss rate: 0.10%

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

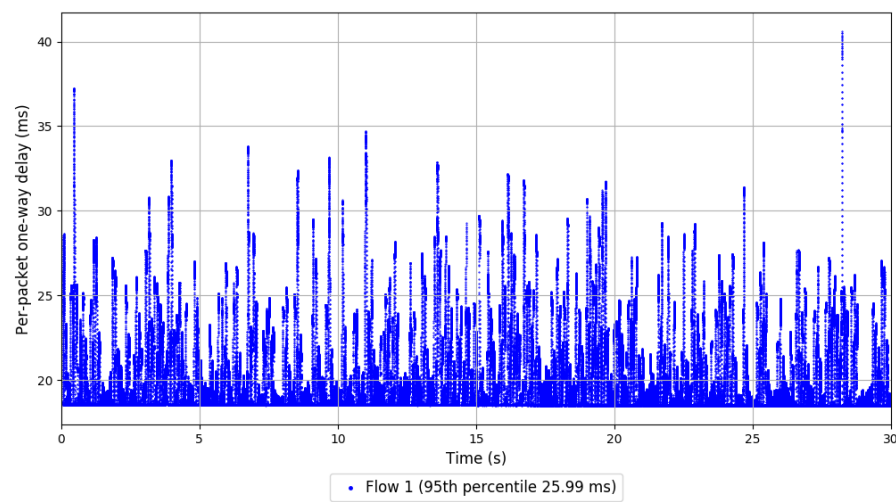
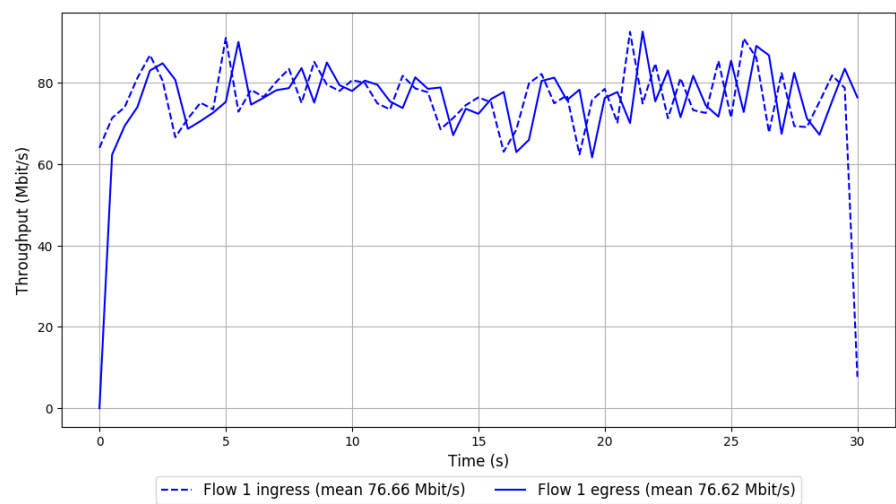


Run 6: Statistics of TaoVA-100x

Start at: 2018-08-22 12:58:44
End at: 2018-08-22 12:59:14
Local clock offset: 2.138 ms
Remote clock offset: -61.357 ms

Below is generated by plot.py at 2018-08-22 14:38:36
Datalink statistics
-- Total of 1 flow:
Average throughput: 76.62 Mbit/s
95th percentile per-packet one-way delay: 25.988 ms
Loss rate: 0.26%
-- Flow 1:
Average throughput: 76.62 Mbit/s
95th percentile per-packet one-way delay: 25.988 ms
Loss rate: 0.26%

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

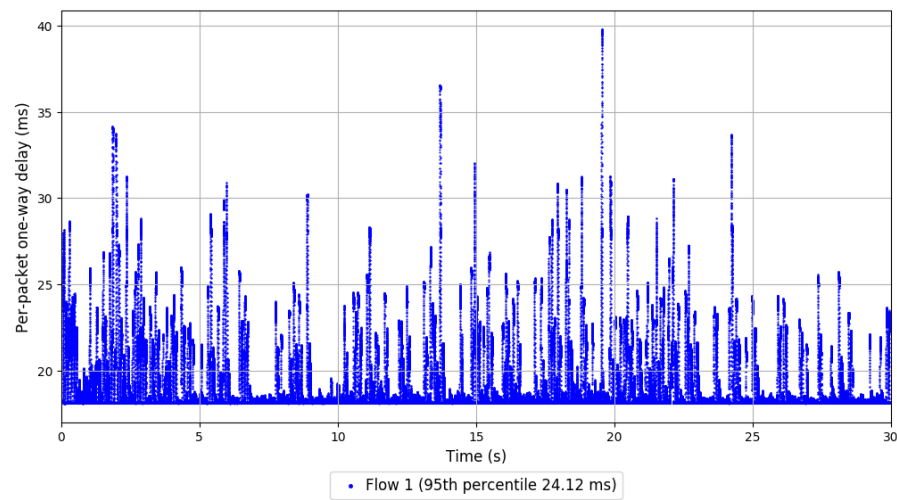
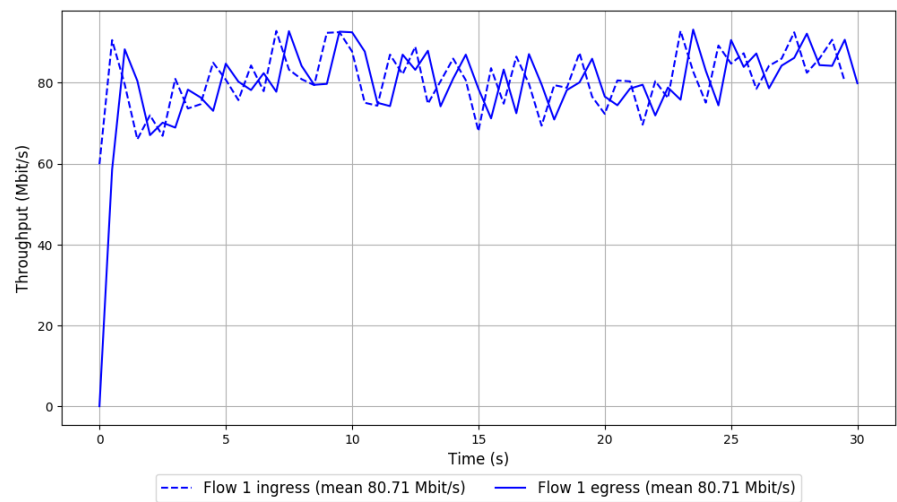


Run 7: Statistics of TaoVA-100x

Start at: 2018-08-22 13:18:08
End at: 2018-08-22 13:18:38
Local clock offset: 1.6 ms
Remote clock offset: -61.798 ms

Below is generated by plot.py at 2018-08-22 14:38:36
Datalink statistics
-- Total of 1 flow:
Average throughput: 80.71 Mbit/s
95th percentile per-packet one-way delay: 24.123 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 80.71 Mbit/s
95th percentile per-packet one-way delay: 24.123 ms
Loss rate: 0.08%

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

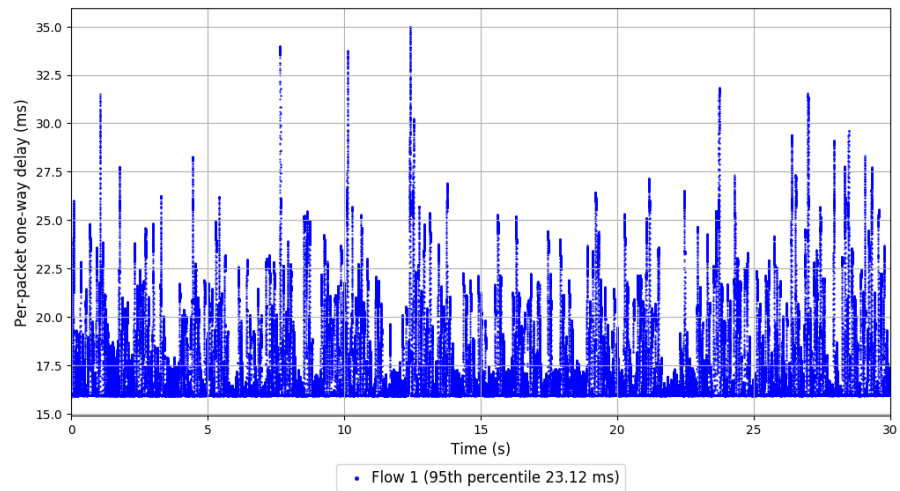
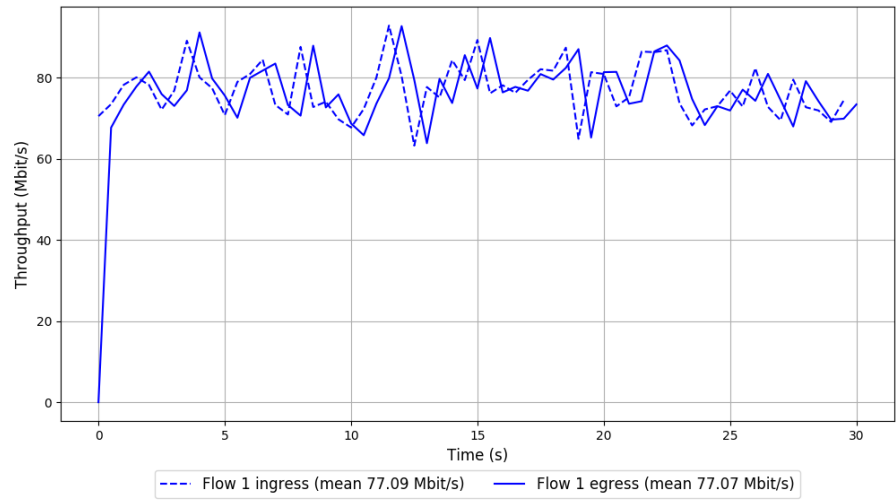


Run 8: Statistics of TaoVA-100x

Start at: 2018-08-22 13:37:42
End at: 2018-08-22 13:38:12
Local clock offset: 0.124 ms
Remote clock offset: -59.639 ms

Below is generated by plot.py at 2018-08-22 14:38:36
Datalink statistics
-- Total of 1 flow:
Average throughput: 77.07 Mbit/s
95th percentile per-packet one-way delay: 23.121 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 77.07 Mbit/s
95th percentile per-packet one-way delay: 23.121 ms
Loss rate: 0.09%

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

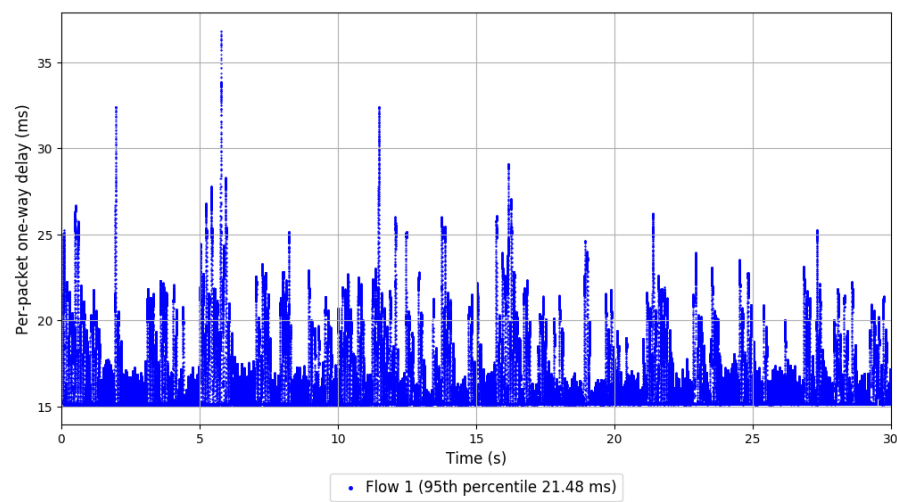
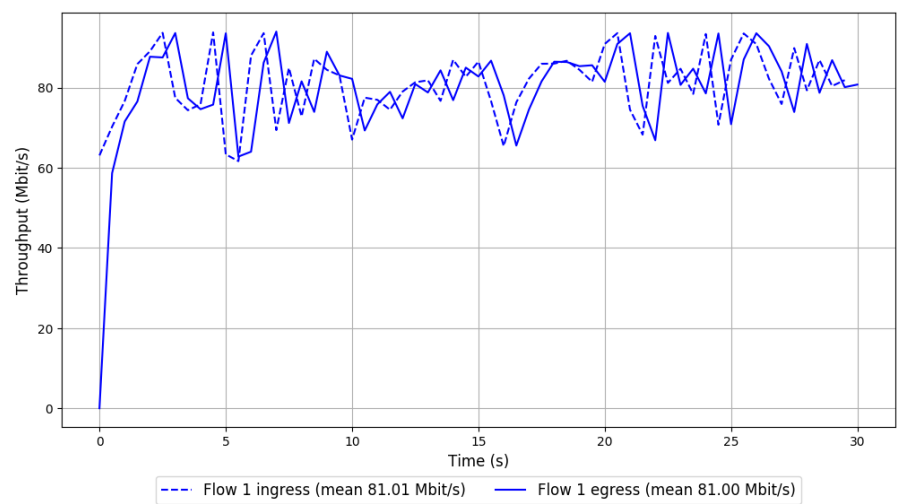


Run 9: Statistics of TaoVA-100x

Start at: 2018-08-22 13:57:12
End at: 2018-08-22 13:57:42
Local clock offset: -1.002 ms
Remote clock offset: -59.86 ms

Below is generated by plot.py at 2018-08-22 14:40:01
Datalink statistics
-- Total of 1 flow:
Average throughput: 81.00 Mbit/s
95th percentile per-packet one-way delay: 21.476 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 81.00 Mbit/s
95th percentile per-packet one-way delay: 21.476 ms
Loss rate: 0.09%

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



Run 10: Statistics of TaoVA-100x

Start at: 2018-08-22 14:16:36

End at: 2018-08-22 14:17:06

Local clock offset: -1.3 ms

Remote clock offset: -60.986 ms

Below is generated by plot.py at 2018-08-22 14:40:30

Datalink statistics

-- Total of 1 flow:

Average throughput: 93.24 Mbit/s

95th percentile per-packet one-way delay: 17.175 ms

Loss rate: 0.08%

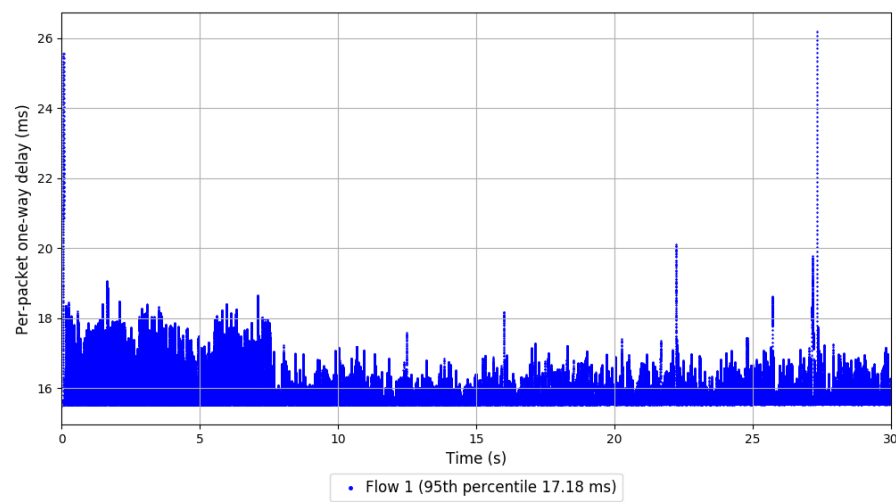
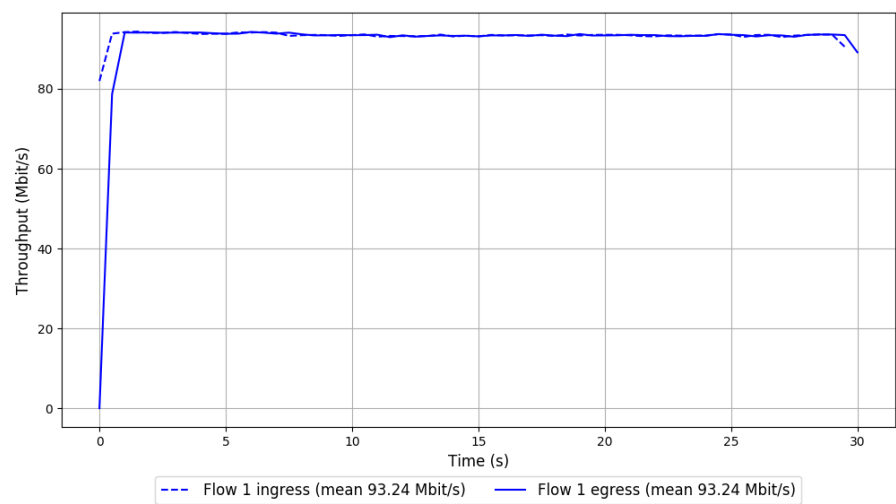
-- Flow 1:

Average throughput: 93.24 Mbit/s

95th percentile per-packet one-way delay: 17.175 ms

Loss rate: 0.08%

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

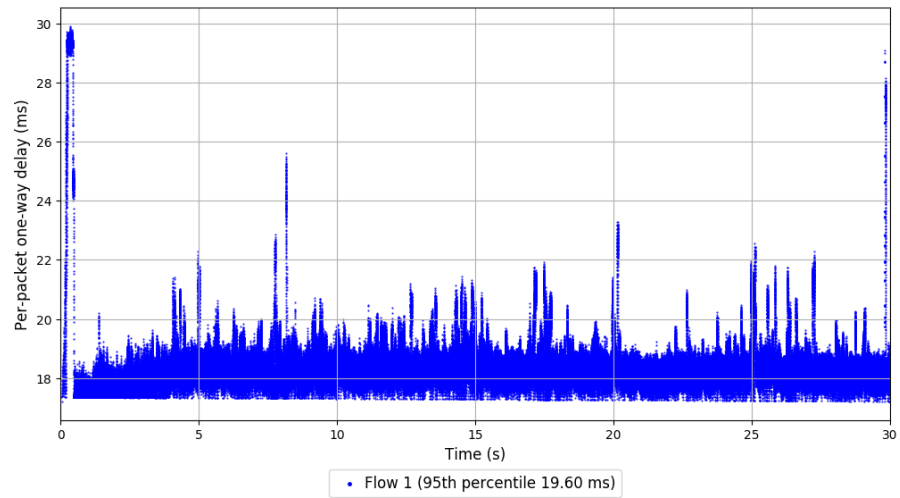
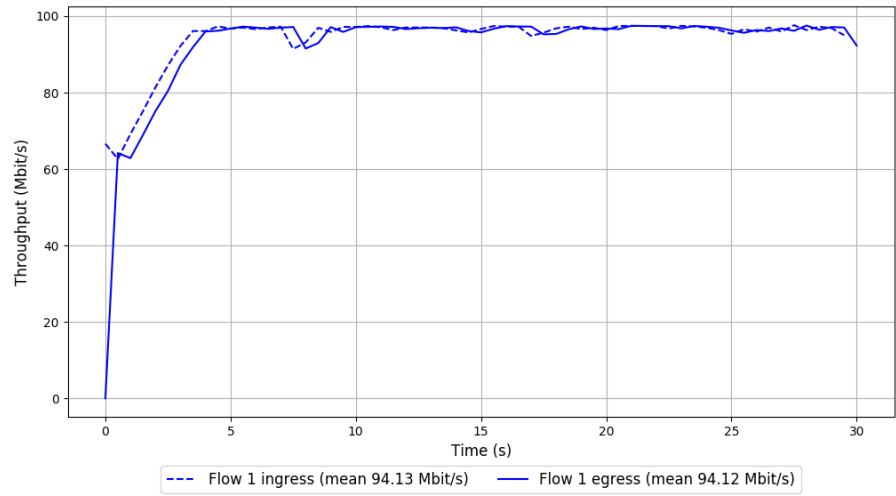


Run 1: Statistics of TCP Vegas

Start at: 2018-08-22 11:14:16
End at: 2018-08-22 11:14:46
Local clock offset: 0.537 ms
Remote clock offset: -61.282 ms

Below is generated by plot.py at 2018-08-22 14:40:30
Datalink statistics
-- Total of 1 flow:
Average throughput: 94.12 Mbit/s
95th percentile per-packet one-way delay: 19.598 ms
Loss rate: 0.11%
-- Flow 1:
Average throughput: 94.12 Mbit/s
95th percentile per-packet one-way delay: 19.598 ms
Loss rate: 0.11%

Run 1: Report of TCP Vegas — Data Link

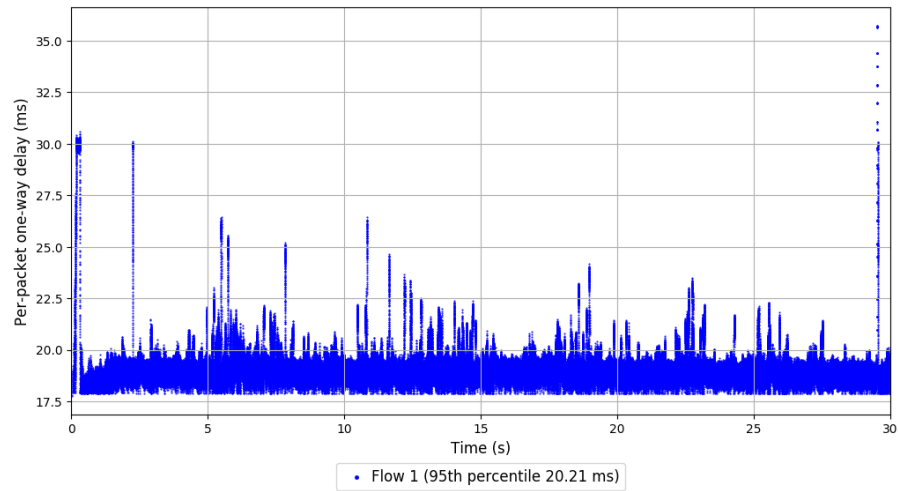
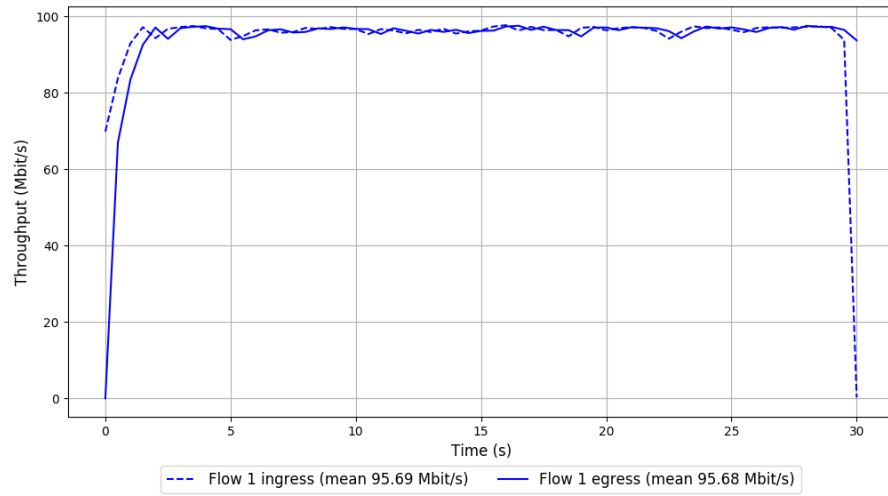


Run 2: Statistics of TCP Vegas

Start at: 2018-08-22 11:34:59
End at: 2018-08-22 11:35:29
Local clock offset: 1.456 ms
Remote clock offset: -63.884 ms

Below is generated by plot.py at 2018-08-22 14:40:30
Datalink statistics
-- Total of 1 flow:
Average throughput: 95.68 Mbit/s
95th percentile per-packet one-way delay: 20.211 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 95.68 Mbit/s
95th percentile per-packet one-way delay: 20.211 ms
Loss rate: 0.08%

Run 2: Report of TCP Vegas — Data Link

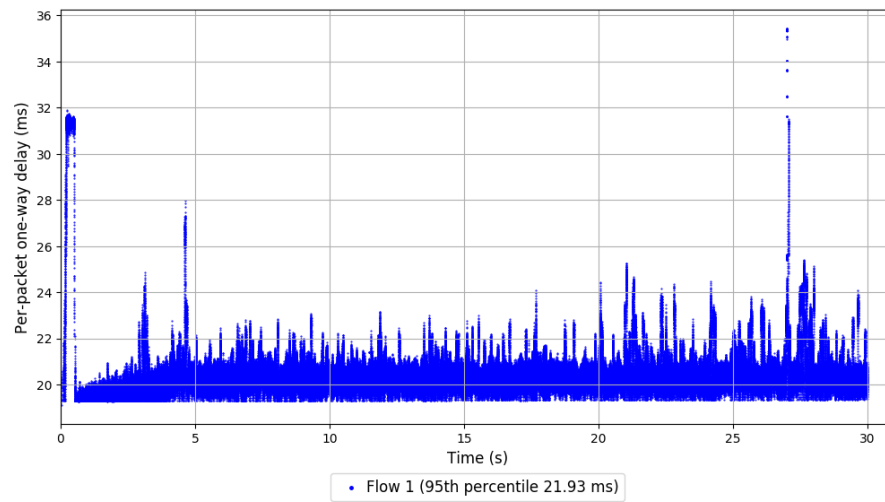
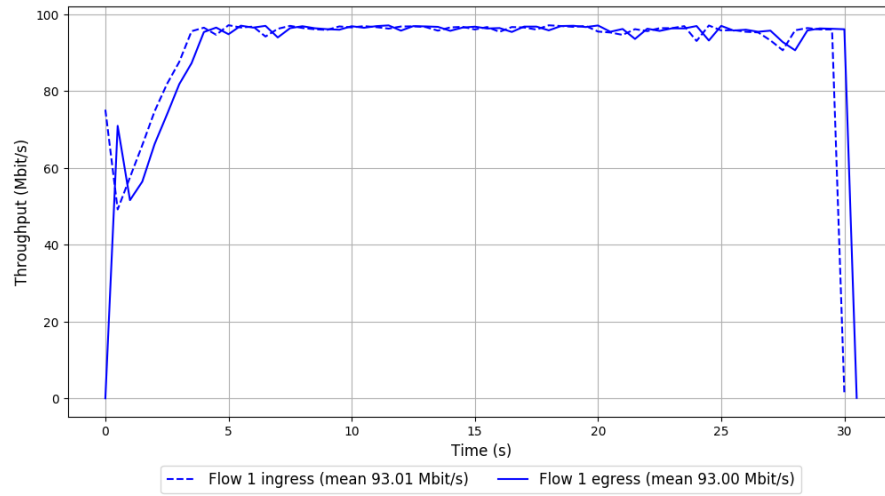


Run 3: Statistics of TCP Vegas

Start at: 2018-08-22 11:54:45
End at: 2018-08-22 11:55:15
Local clock offset: 3.521 ms
Remote clock offset: -63.344 ms

Below is generated by plot.py at 2018-08-22 14:40:30
Datalink statistics
-- Total of 1 flow:
Average throughput: 93.00 Mbit/s
95th percentile per-packet one-way delay: 21.928 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 93.00 Mbit/s
95th percentile per-packet one-way delay: 21.928 ms
Loss rate: 0.09%

Run 3: Report of TCP Vegas — Data Link

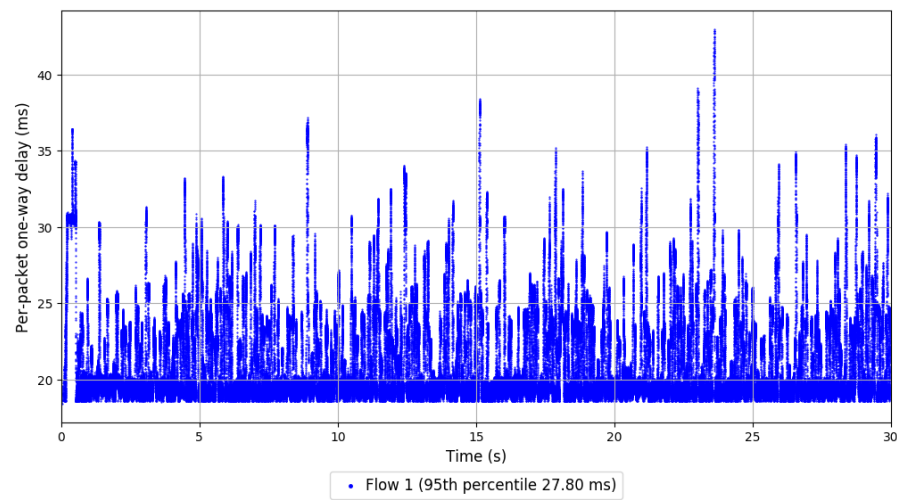
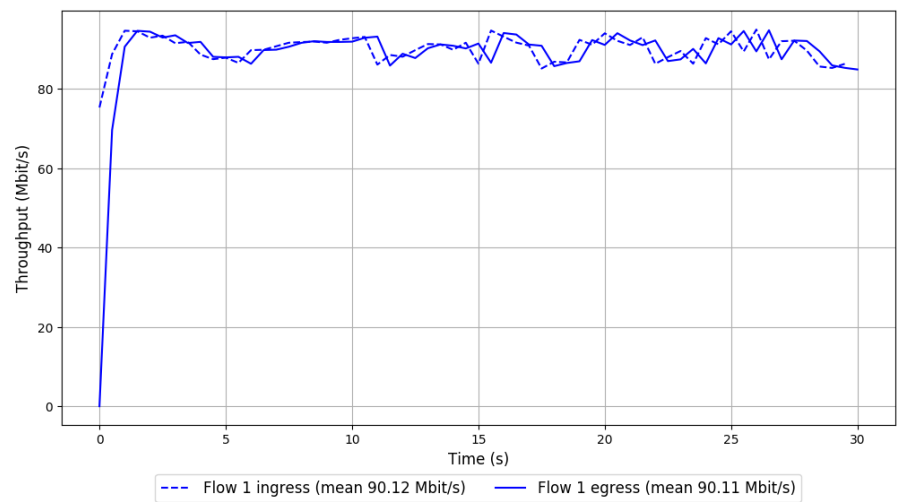


Run 4: Statistics of TCP Vegas

Start at: 2018-08-22 12:14:10
End at: 2018-08-22 12:14:40
Local clock offset: 2.852 ms
Remote clock offset: -61.953 ms

Below is generated by plot.py at 2018-08-22 14:40:30
Datalink statistics
-- Total of 1 flow:
Average throughput: 90.11 Mbit/s
95th percentile per-packet one-way delay: 27.802 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 90.11 Mbit/s
95th percentile per-packet one-way delay: 27.802 ms
Loss rate: 0.09%

Run 4: Report of TCP Vegas — Data Link

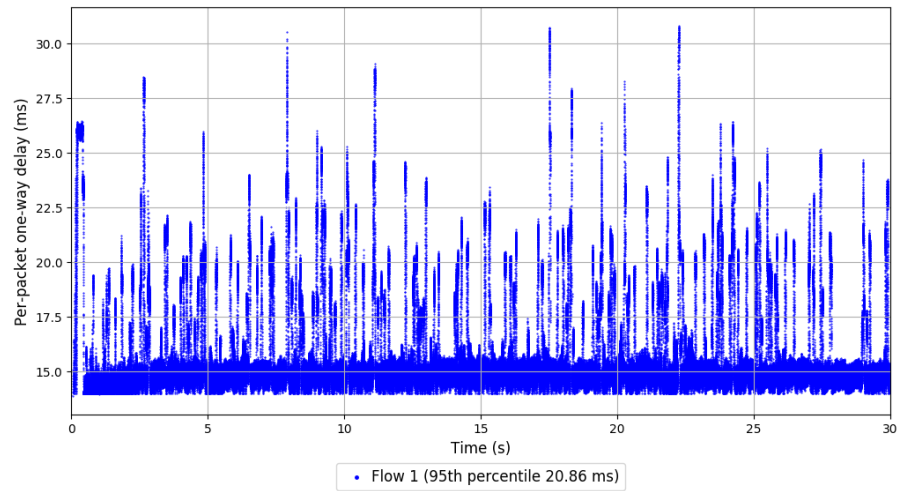
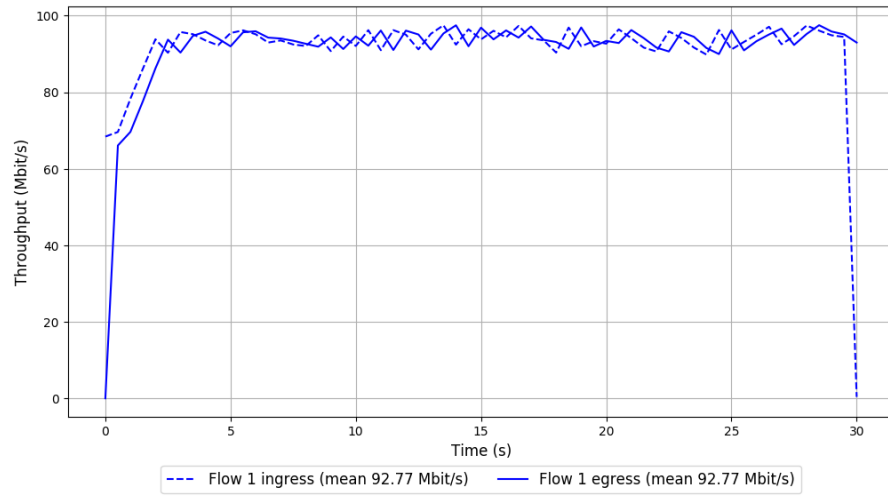


Run 5: Statistics of TCP Vegas

Start at: 2018-08-22 12:33:35
End at: 2018-08-22 12:34:05
Local clock offset: -2.069 ms
Remote clock offset: -61.601 ms

Below is generated by plot.py at 2018-08-22 14:40:30
Datalink statistics
-- Total of 1 flow:
Average throughput: 92.77 Mbit/s
95th percentile per-packet one-way delay: 20.858 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 92.77 Mbit/s
95th percentile per-packet one-way delay: 20.858 ms
Loss rate: 0.08%

Run 5: Report of TCP Vegas — Data Link

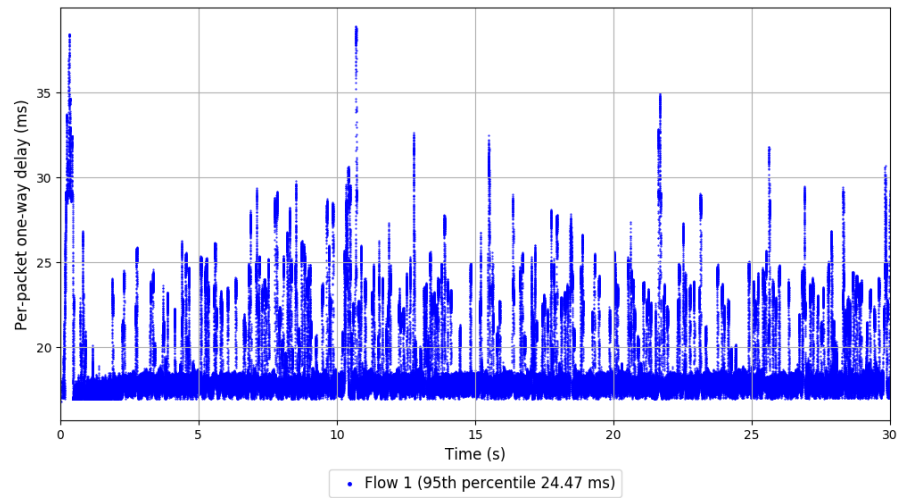
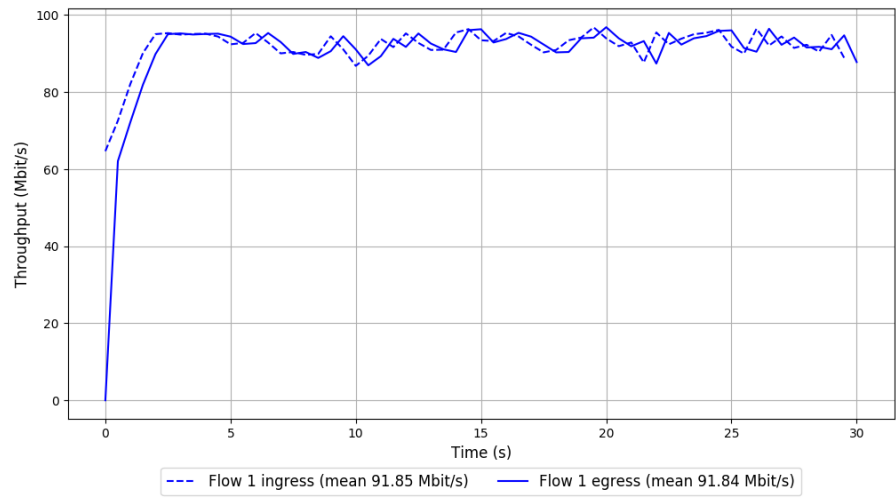


Run 6: Statistics of TCP Vegas

Start at: 2018-08-22 12:53:02
End at: 2018-08-22 12:53:32
Local clock offset: 0.989 ms
Remote clock offset: -60.775 ms

Below is generated by plot.py at 2018-08-22 14:40:30
Datalink statistics
-- Total of 1 flow:
Average throughput: 91.84 Mbit/s
95th percentile per-packet one-way delay: 24.471 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 91.84 Mbit/s
95th percentile per-packet one-way delay: 24.471 ms
Loss rate: 0.08%

Run 6: Report of TCP Vegas — Data Link

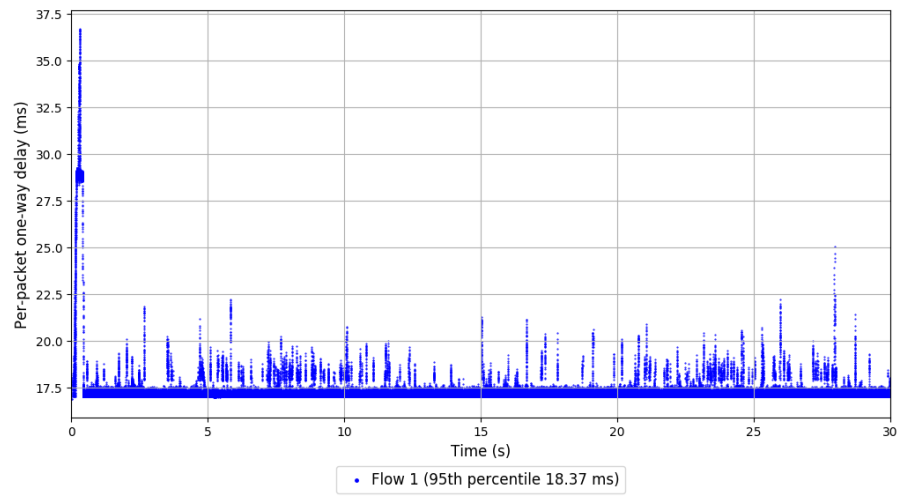
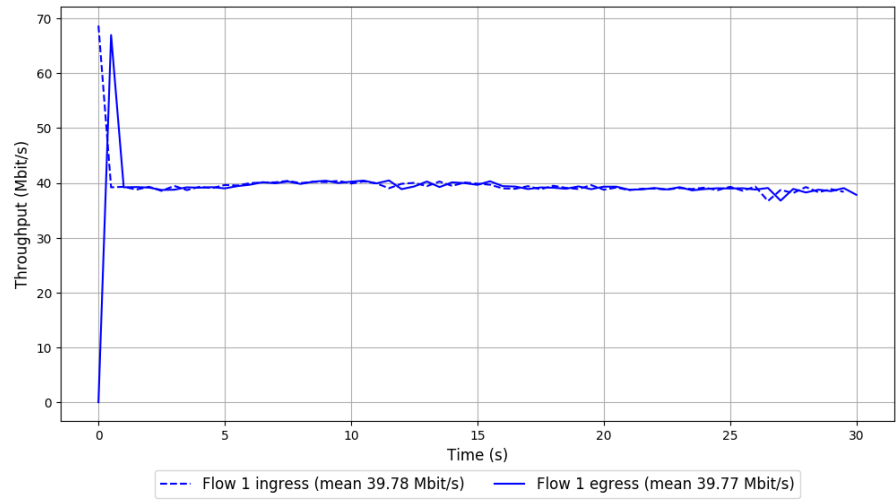


Run 7: Statistics of TCP Vegas

Start at: 2018-08-22 13:12:20
End at: 2018-08-22 13:12:50
Local clock offset: 0.223 ms
Remote clock offset: -62.147 ms

Below is generated by plot.py at 2018-08-22 14:40:30
Datalink statistics
-- Total of 1 flow:
Average throughput: 39.77 Mbit/s
95th percentile per-packet one-way delay: 18.371 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 39.77 Mbit/s
95th percentile per-packet one-way delay: 18.371 ms
Loss rate: 0.09%

Run 7: Report of TCP Vegas — Data Link

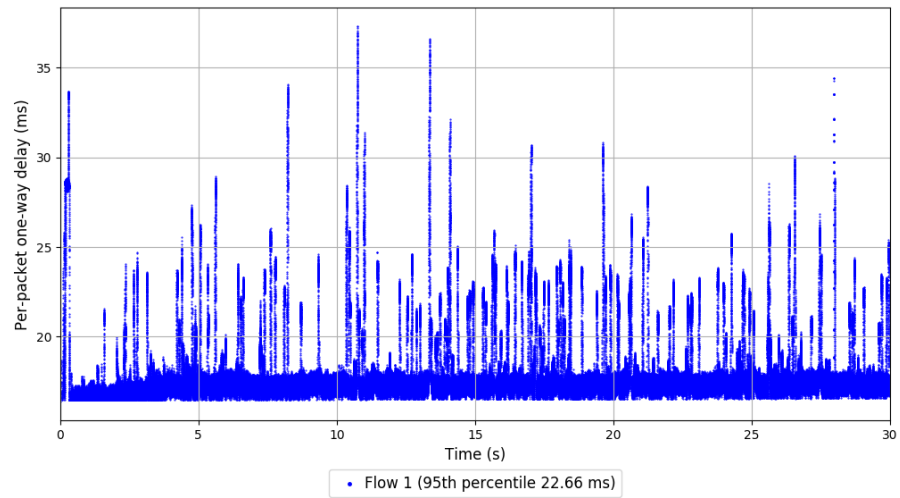
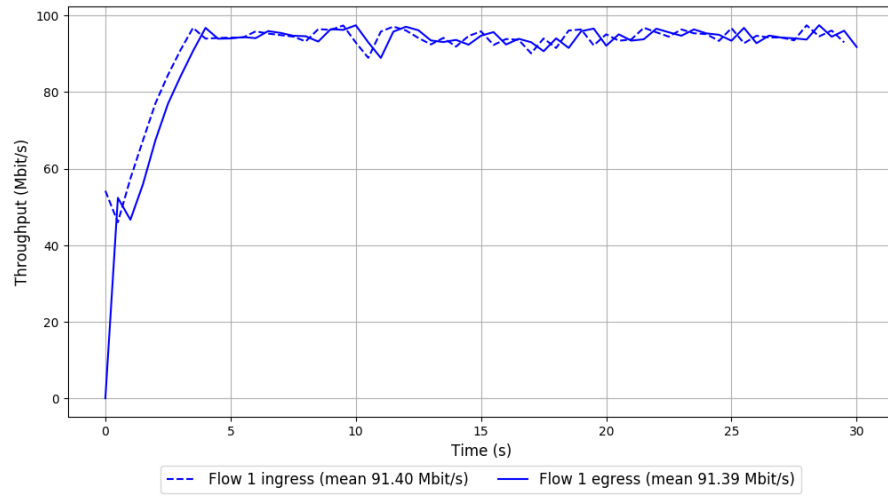


Run 8: Statistics of TCP Vegas

Start at: 2018-08-22 13:31:55
End at: 2018-08-22 13:32:26
Local clock offset: -0.262 ms
Remote clock offset: -61.35 ms

Below is generated by plot.py at 2018-08-22 14:40:36
Datalink statistics
-- Total of 1 flow:
Average throughput: 91.39 Mbit/s
95th percentile per-packet one-way delay: 22.661 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 91.39 Mbit/s
95th percentile per-packet one-way delay: 22.661 ms
Loss rate: 0.09%

Run 8: Report of TCP Vegas — Data Link

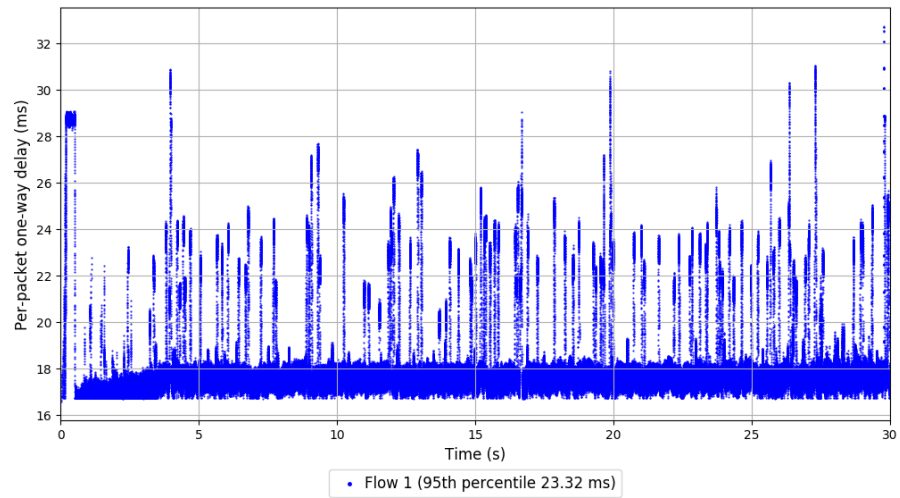
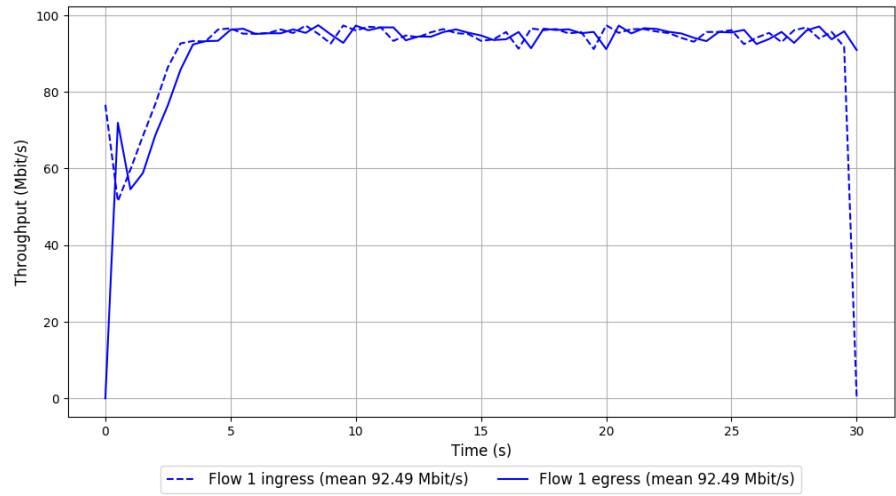


Run 9: Statistics of TCP Vegas

Start at: 2018-08-22 13:51:22
End at: 2018-08-22 13:51:52
Local clock offset: -0.133 ms
Remote clock offset: -60.633 ms

Below is generated by plot.py at 2018-08-22 14:40:37
Datalink statistics
-- Total of 1 flow:
Average throughput: 92.49 Mbit/s
95th percentile per-packet one-way delay: 23.320 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 92.49 Mbit/s
95th percentile per-packet one-way delay: 23.320 ms
Loss rate: 0.08%

Run 9: Report of TCP Vegas — Data Link

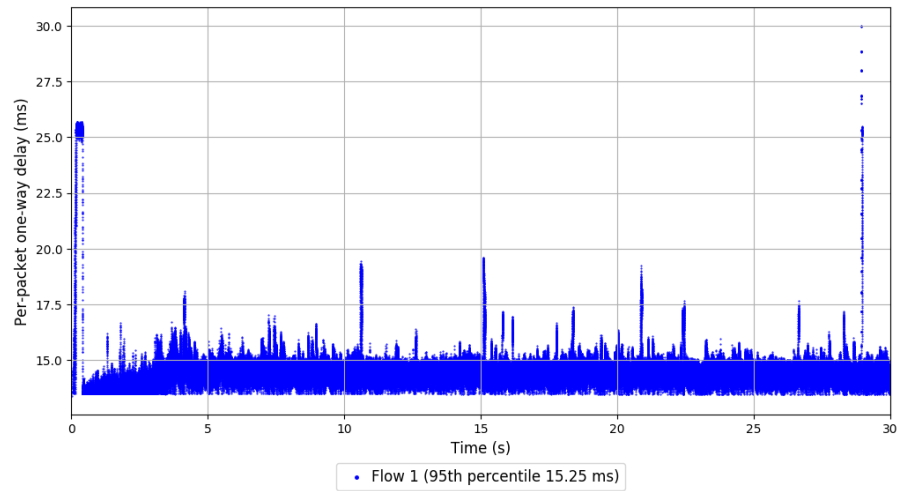
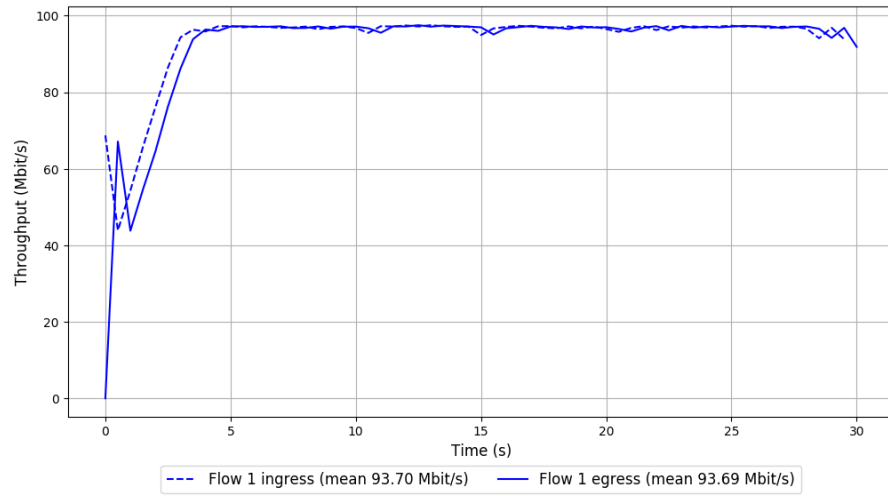


Run 10: Statistics of TCP Vegas

Start at: 2018-08-22 14:10:46
End at: 2018-08-22 14:11:16
Local clock offset: -3.523 ms
Remote clock offset: -61.099 ms

Below is generated by plot.py at 2018-08-22 14:40:39
Datalink statistics
-- Total of 1 flow:
Average throughput: 93.69 Mbit/s
95th percentile per-packet one-way delay: 15.248 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 93.69 Mbit/s
95th percentile per-packet one-way delay: 15.248 ms
Loss rate: 0.09%

Run 10: Report of TCP Vegas — Data Link

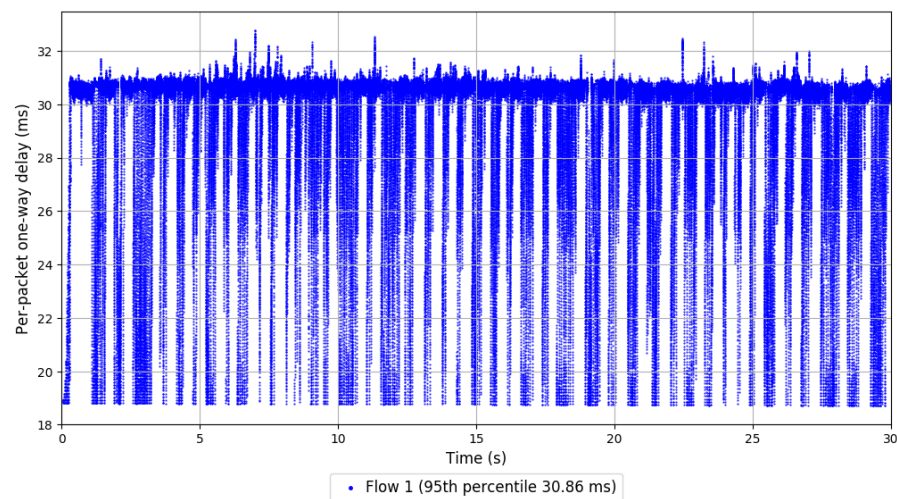
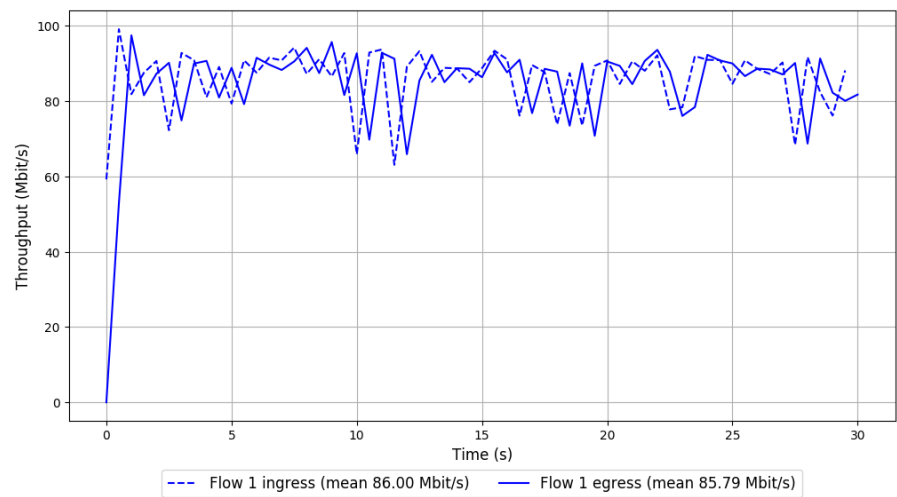


Run 1: Statistics of Verus

Start at: 2018-08-22 11:19:12
End at: 2018-08-22 11:19:42
Local clock offset: 2.435 ms
Remote clock offset: -62.02 ms

Below is generated by plot.py at 2018-08-22 14:40:39
Datalink statistics
-- Total of 1 flow:
Average throughput: 85.79 Mbit/s
95th percentile per-packet one-way delay: 30.858 ms
Loss rate: 0.34%
-- Flow 1:
Average throughput: 85.79 Mbit/s
95th percentile per-packet one-way delay: 30.858 ms
Loss rate: 0.34%

Run 1: Report of Verus — Data Link

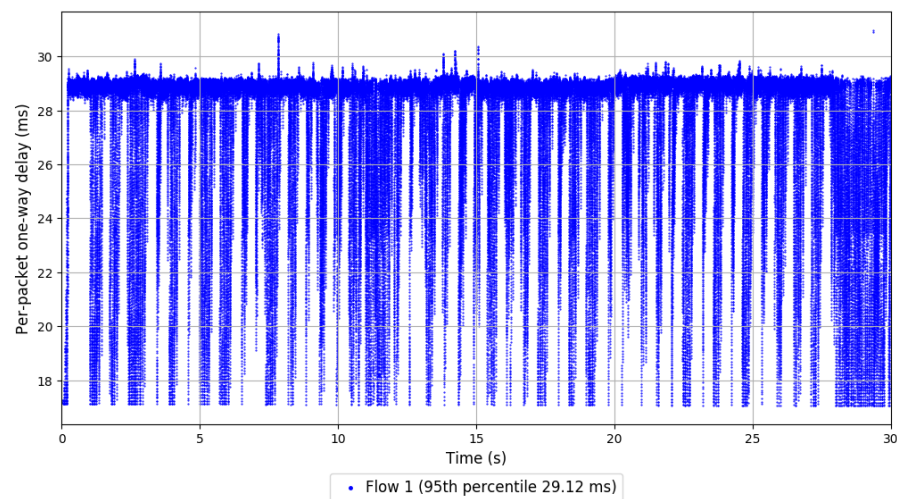
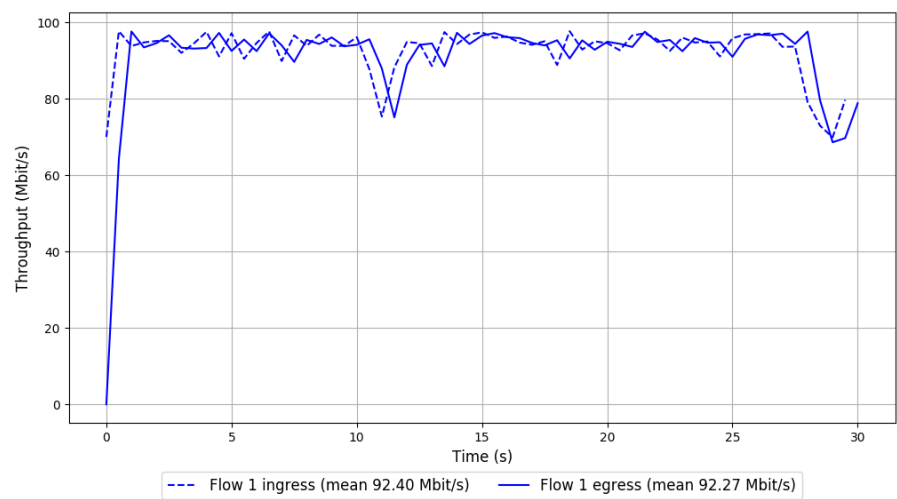


Run 2: Statistics of Verus

Start at: 2018-08-22 11:39:41
End at: 2018-08-22 11:40:11
Local clock offset: 1.142 ms
Remote clock offset: -64.029 ms

Below is generated by plot.py at 2018-08-22 14:40:49
Datalink statistics
-- Total of 1 flow:
Average throughput: 92.27 Mbit/s
95th percentile per-packet one-way delay: 29.124 ms
Loss rate: 0.22%
-- Flow 1:
Average throughput: 92.27 Mbit/s
95th percentile per-packet one-way delay: 29.124 ms
Loss rate: 0.22%

Run 2: Report of Verus — Data Link

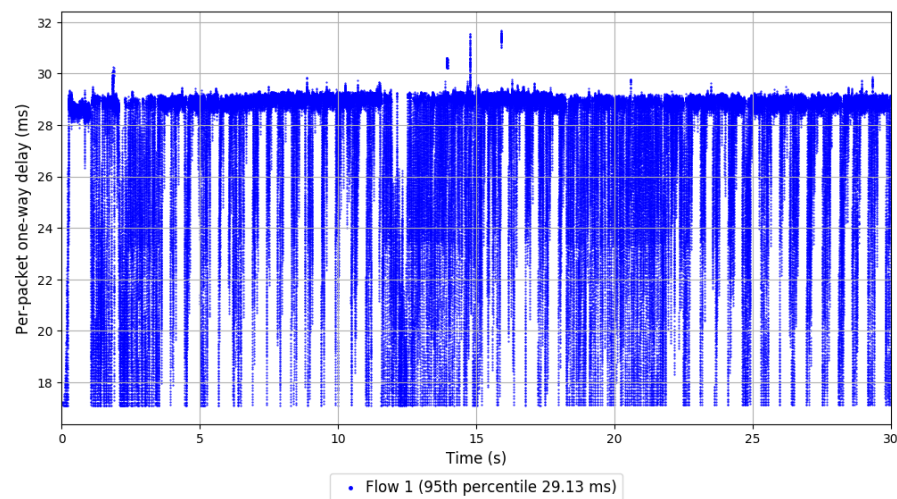
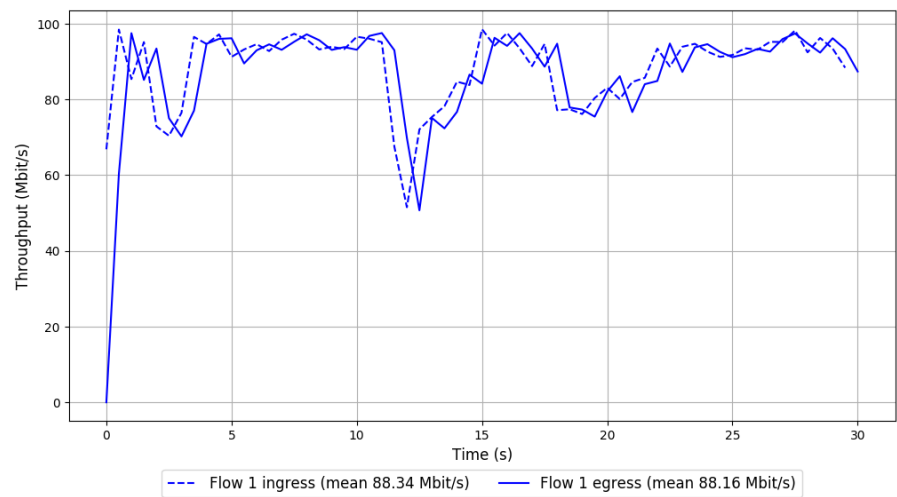


Run 3: Statistics of Verus

Start at: 2018-08-22 11:59:23
End at: 2018-08-22 11:59:53
Local clock offset: 2.036 ms
Remote clock offset: -62.155 ms

Below is generated by plot.py at 2018-08-22 14:41:01
Datalink statistics
-- Total of 1 flow:
Average throughput: 88.16 Mbit/s
95th percentile per-packet one-way delay: 29.131 ms
Loss rate: 0.28%
-- Flow 1:
Average throughput: 88.16 Mbit/s
95th percentile per-packet one-way delay: 29.131 ms
Loss rate: 0.28%

Run 3: Report of Verus — Data Link

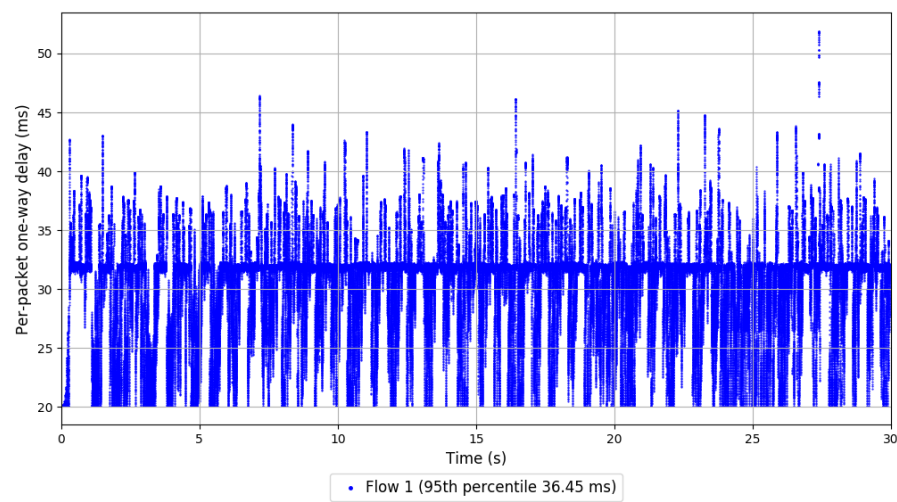
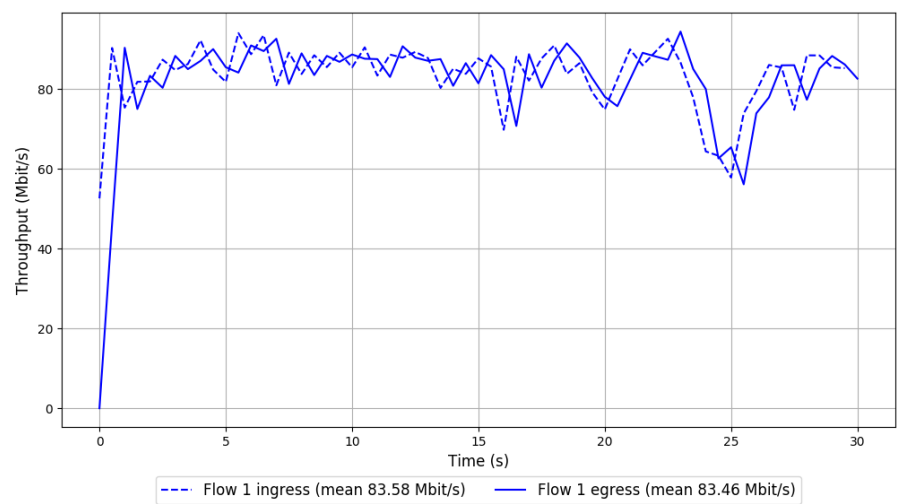


Run 4: Statistics of Verus

Start at: 2018-08-22 12:18:47
End at: 2018-08-22 12:19:17
Local clock offset: 3.357 ms
Remote clock offset: -62.763 ms

Below is generated by plot.py at 2018-08-22 14:41:01
Datalink statistics
-- Total of 1 flow:
Average throughput: 83.46 Mbit/s
95th percentile per-packet one-way delay: 36.449 ms
Loss rate: 0.24%
-- Flow 1:
Average throughput: 83.46 Mbit/s
95th percentile per-packet one-way delay: 36.449 ms
Loss rate: 0.24%

Run 4: Report of Verus — Data Link

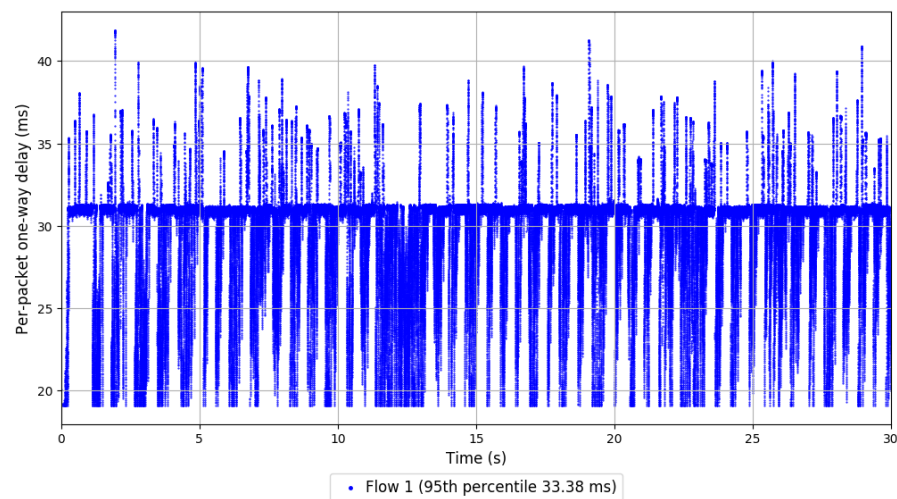
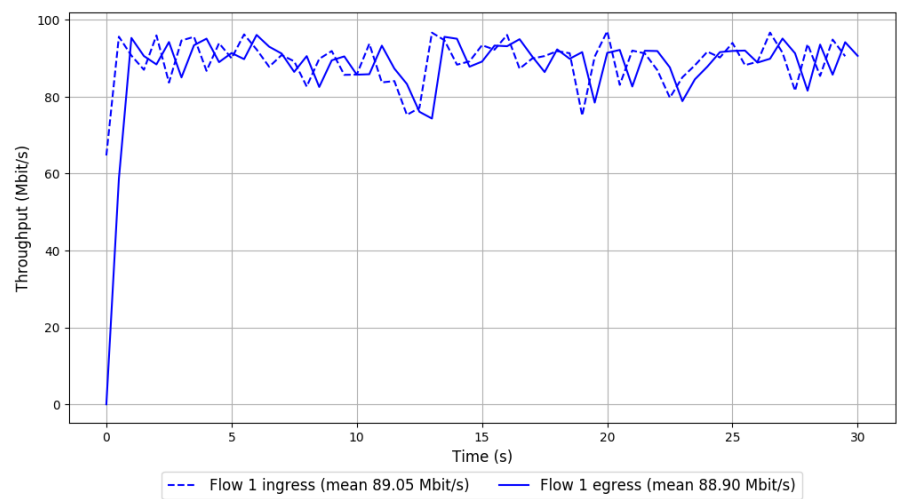


Run 5: Statistics of Verus

Start at: 2018-08-22 12:38:12
End at: 2018-08-22 12:38:42
Local clock offset: 2.701 ms
Remote clock offset: -61.791 ms

Below is generated by plot.py at 2018-08-22 14:41:34
Datalink statistics
-- Total of 1 flow:
Average throughput: 88.90 Mbit/s
95th percentile per-packet one-way delay: 33.377 ms
Loss rate: 0.23%
-- Flow 1:
Average throughput: 88.90 Mbit/s
95th percentile per-packet one-way delay: 33.377 ms
Loss rate: 0.23%

Run 5: Report of Verus — Data Link

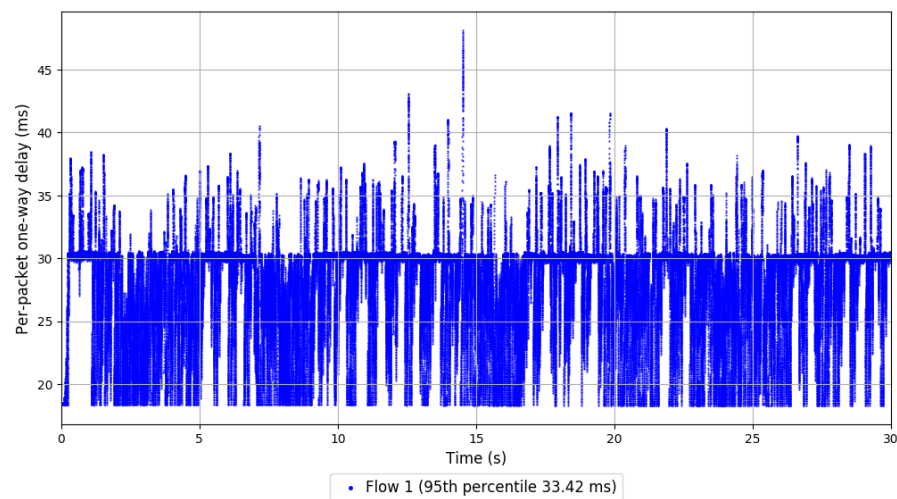
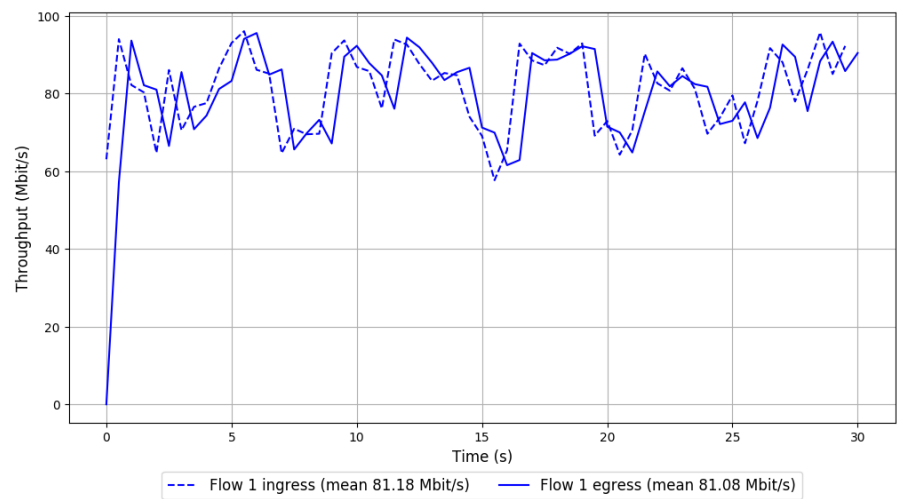


Run 6: Statistics of Verus

Start at: 2018-08-22 12:57:35
End at: 2018-08-22 12:58:05
Local clock offset: 0.287 ms
Remote clock offset: -62.89 ms

Below is generated by plot.py at 2018-08-22 14:41:36
Datalink statistics
-- Total of 1 flow:
Average throughput: 81.08 Mbit/s
95th percentile per-packet one-way delay: 33.422 ms
Loss rate: 0.19%
-- Flow 1:
Average throughput: 81.08 Mbit/s
95th percentile per-packet one-way delay: 33.422 ms
Loss rate: 0.19%

Run 6: Report of Verus — Data Link

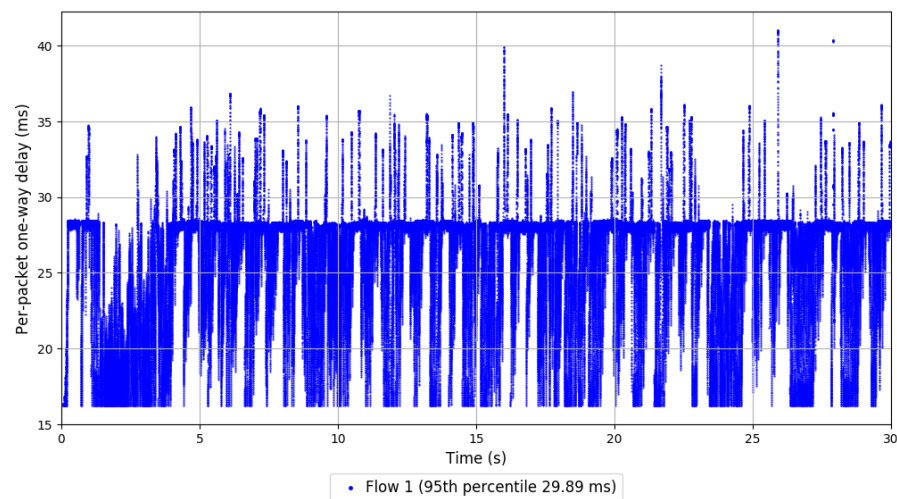
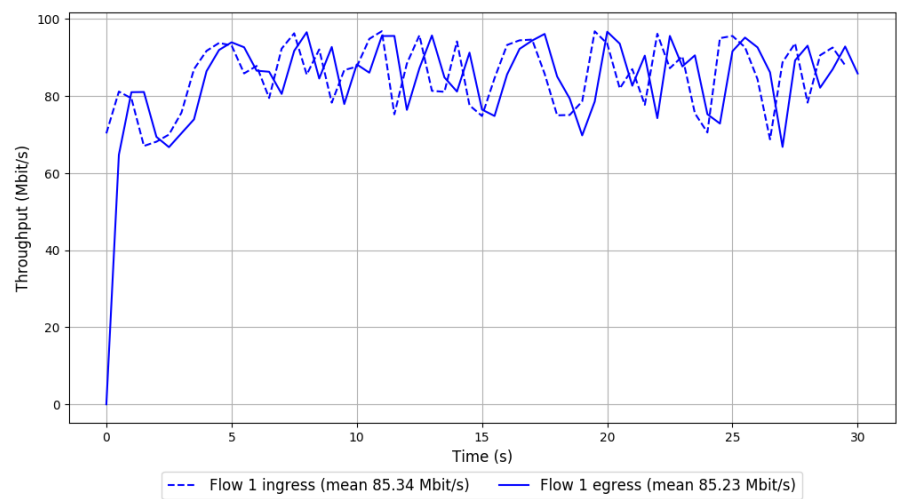


Run 7: Statistics of Verus

Start at: 2018-08-22 13:16:59
End at: 2018-08-22 13:17:29
Local clock offset: -0.296 ms
Remote clock offset: -61.846 ms

Below is generated by plot.py at 2018-08-22 14:41:41
Datalink statistics
-- Total of 1 flow:
Average throughput: 85.23 Mbit/s
95th percentile per-packet one-way delay: 29.891 ms
Loss rate: 0.20%
-- Flow 1:
Average throughput: 85.23 Mbit/s
95th percentile per-packet one-way delay: 29.891 ms
Loss rate: 0.20%

Run 7: Report of Verus — Data Link

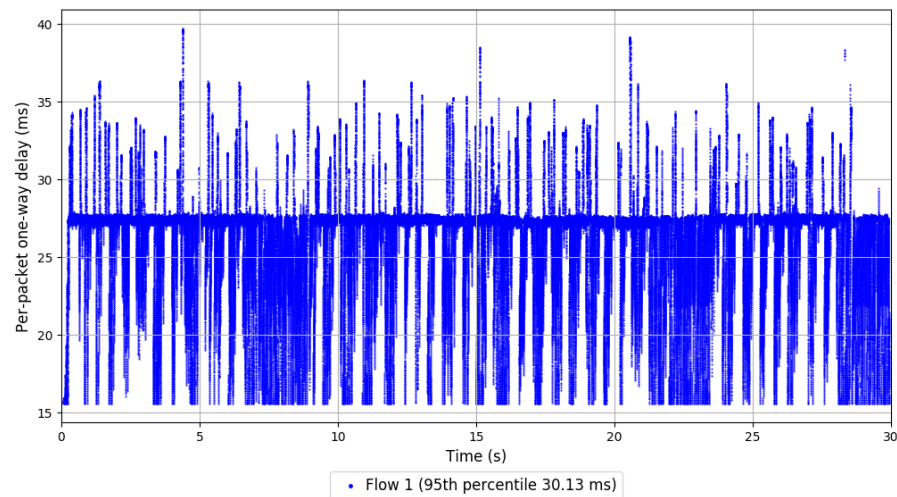
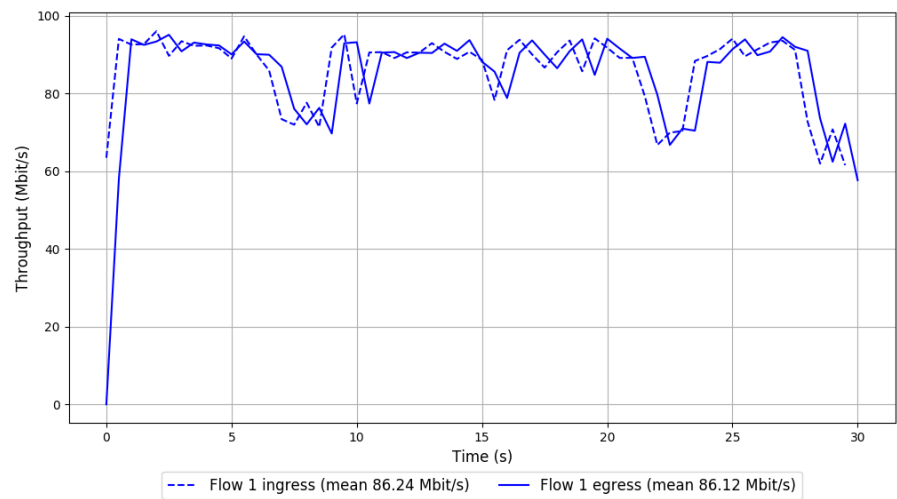


Run 8: Statistics of Verus

Start at: 2018-08-22 13:36:32
End at: 2018-08-22 13:37:02
Local clock offset: -1.552 ms
Remote clock offset: -60.956 ms

Below is generated by plot.py at 2018-08-22 14:41:42
Datalink statistics
-- Total of 1 flow:
Average throughput: 86.12 Mbit/s
95th percentile per-packet one-way delay: 30.130 ms
Loss rate: 0.21%
-- Flow 1:
Average throughput: 86.12 Mbit/s
95th percentile per-packet one-way delay: 30.130 ms
Loss rate: 0.21%

Run 8: Report of Verus — Data Link

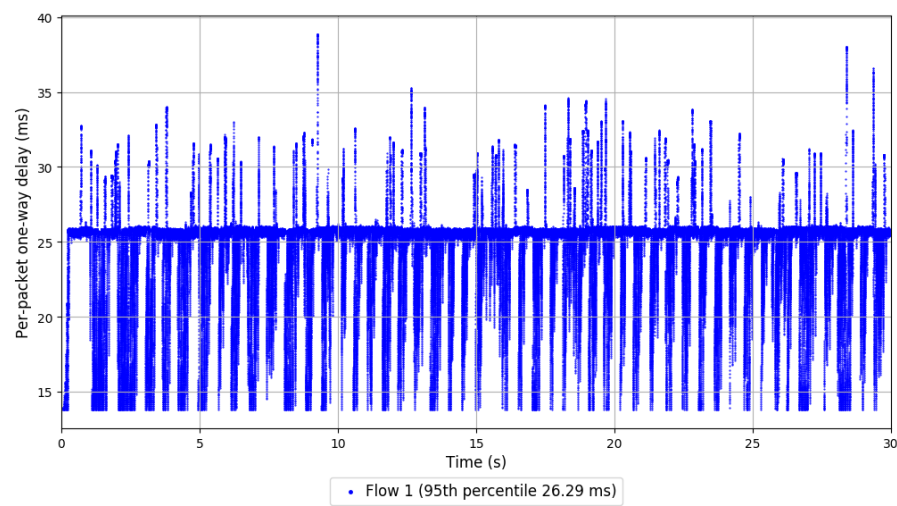
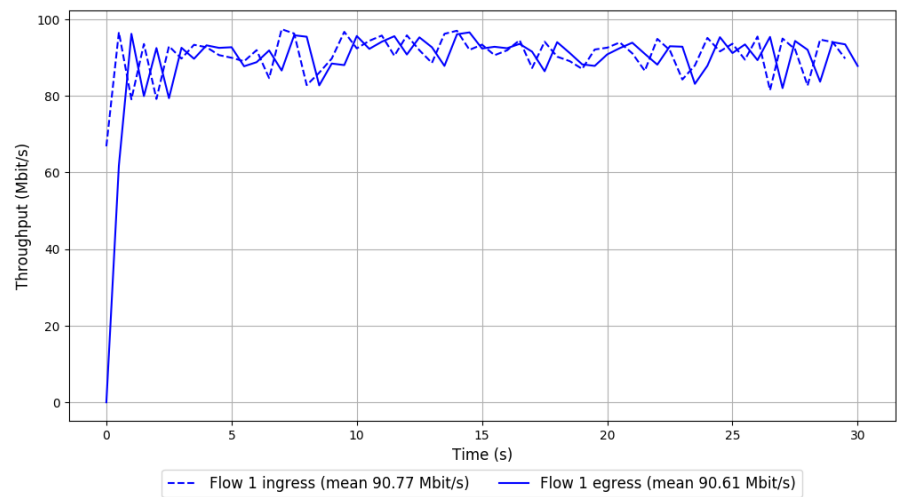


Run 9: Statistics of Verus

Start at: 2018-08-22 13:56:03
End at: 2018-08-22 13:56:33
Local clock offset: -2.635 ms
Remote clock offset: -60.209 ms

Below is generated by plot.py at 2018-08-22 14:41:46
Datalink statistics
-- Total of 1 flow:
Average throughput: 90.61 Mbit/s
95th percentile per-packet one-way delay: 26.291 ms
Loss rate: 0.25%
-- Flow 1:
Average throughput: 90.61 Mbit/s
95th percentile per-packet one-way delay: 26.291 ms
Loss rate: 0.25%

Run 9: Report of Verus — Data Link

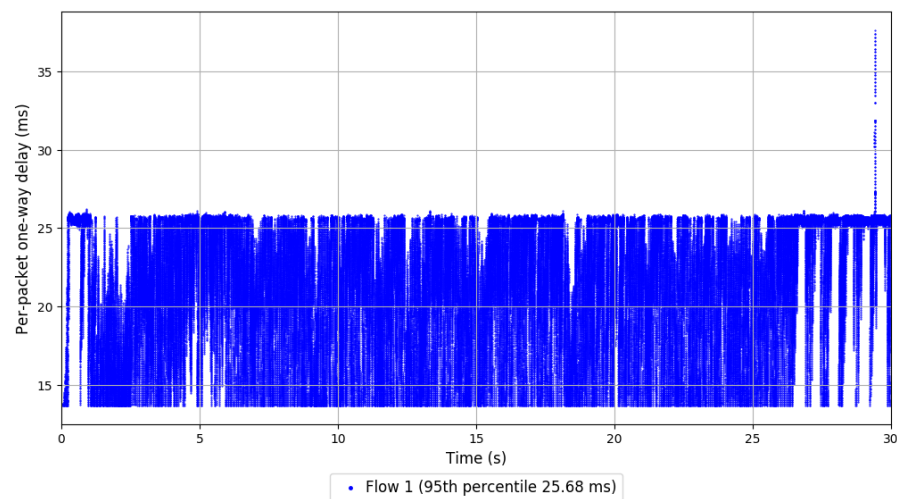
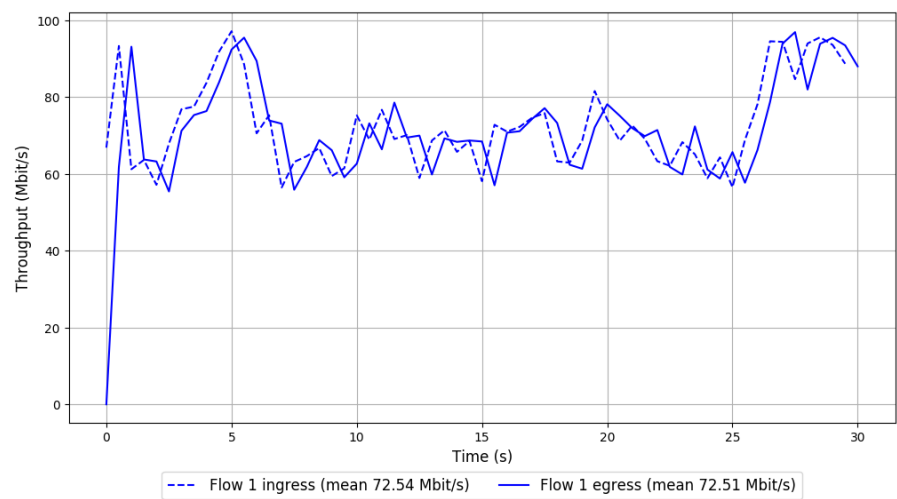


Run 10: Statistics of Verus

Start at: 2018-08-22 14:15:27
End at: 2018-08-22 14:15:57
Local clock offset: -3.775 ms
Remote clock offset: -61.605 ms

Below is generated by plot.py at 2018-08-22 14:41:46
Datalink statistics
-- Total of 1 flow:
Average throughput: 72.51 Mbit/s
95th percentile per-packet one-way delay: 25.679 ms
Loss rate: 0.15%
-- Flow 1:
Average throughput: 72.51 Mbit/s
95th percentile per-packet one-way delay: 25.679 ms
Loss rate: 0.15%

Run 10: Report of Verus — Data Link

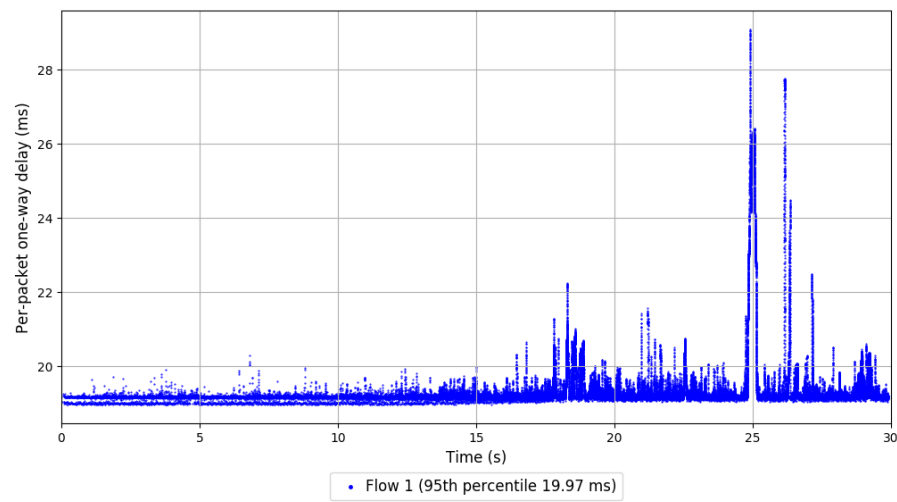
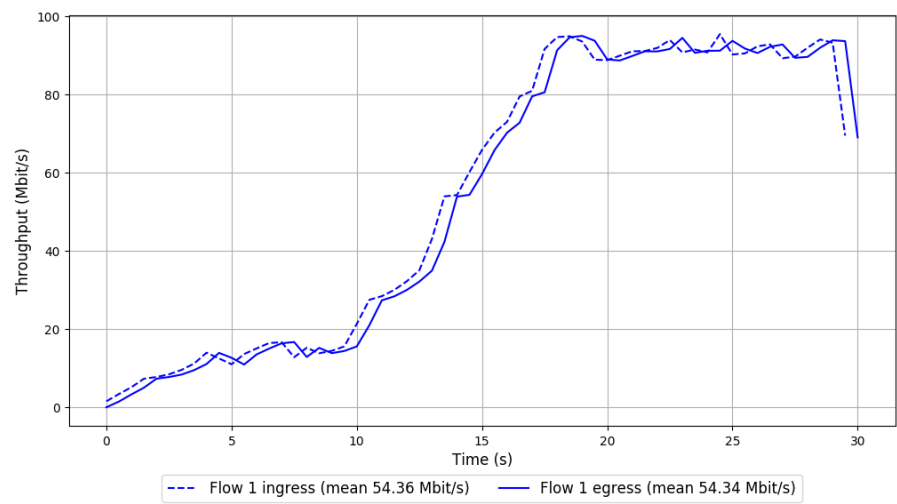


Run 1: Statistics of PCC-Vivace

Start at: 2018-08-22 11:04:32
End at: 2018-08-22 11:05:02
Local clock offset: 2.703 ms
Remote clock offset: -60.877 ms

Below is generated by plot.py at 2018-08-22 14:41:48
Datalink statistics
-- Total of 1 flow:
Average throughput: 54.34 Mbit/s
95th percentile per-packet one-way delay: 19.971 ms
Loss rate: 0.12%
-- Flow 1:
Average throughput: 54.34 Mbit/s
95th percentile per-packet one-way delay: 19.971 ms
Loss rate: 0.12%

Run 1: Report of PCC-Vivace — Data Link

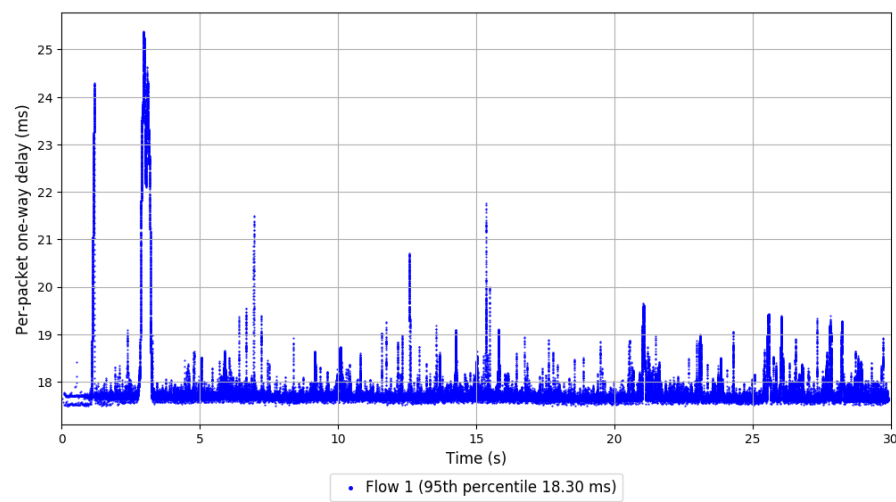
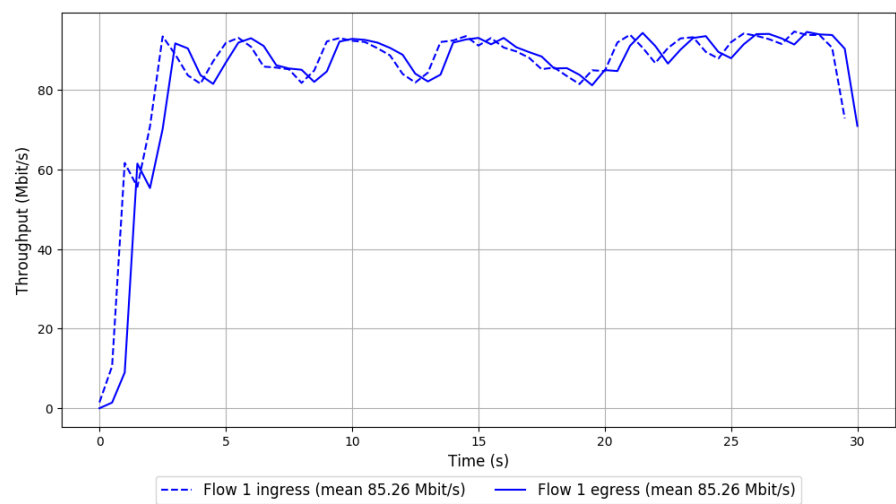


Run 2: Statistics of PCC-Vivace

Start at: 2018-08-22 11:25:21
End at: 2018-08-22 11:25:51
Local clock offset: 1.463 ms
Remote clock offset: -62.779 ms

Below is generated by plot.py at 2018-08-22 14:42:11
Datalink statistics
-- Total of 1 flow:
Average throughput: 85.26 Mbit/s
95th percentile per-packet one-way delay: 18.301 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 85.26 Mbit/s
95th percentile per-packet one-way delay: 18.301 ms
Loss rate: 0.10%

Run 2: Report of PCC-Vivace — Data Link

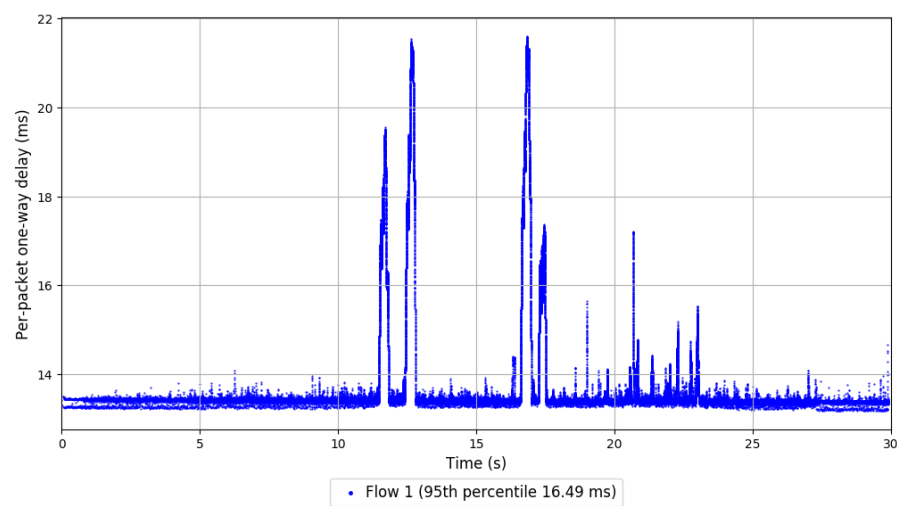
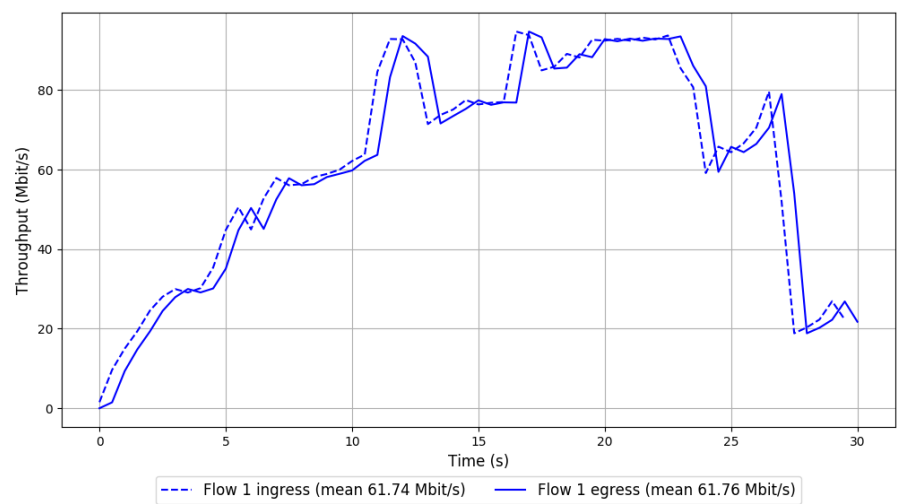


Run 3: Statistics of PCC-Vivace

Start at: 2018-08-22 11:45:37
End at: 2018-08-22 11:46:07
Local clock offset: -2.16 ms
Remote clock offset: -64.439 ms

Below is generated by plot.py at 2018-08-22 14:42:18
Datalink statistics
-- Total of 1 flow:
Average throughput: 61.76 Mbit/s
95th percentile per-packet one-way delay: 16.493 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 61.76 Mbit/s
95th percentile per-packet one-way delay: 16.493 ms
Loss rate: 0.03%

Run 3: Report of PCC-Vivace — Data Link

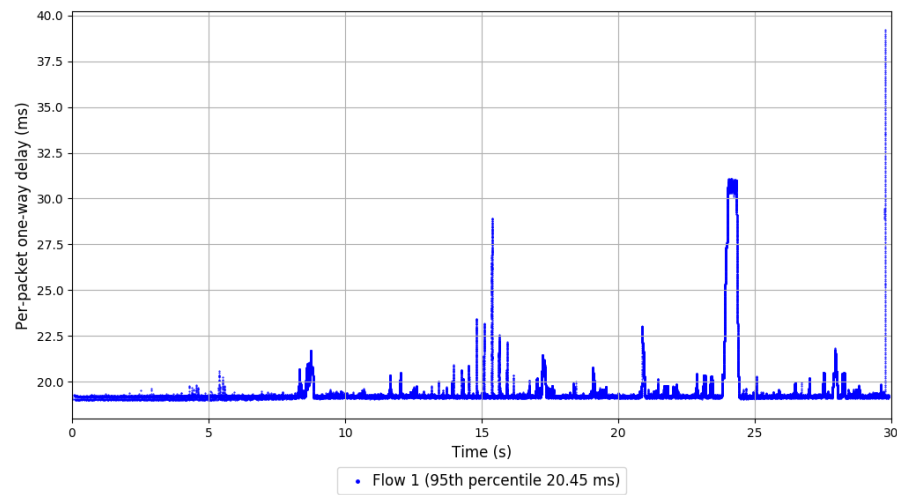
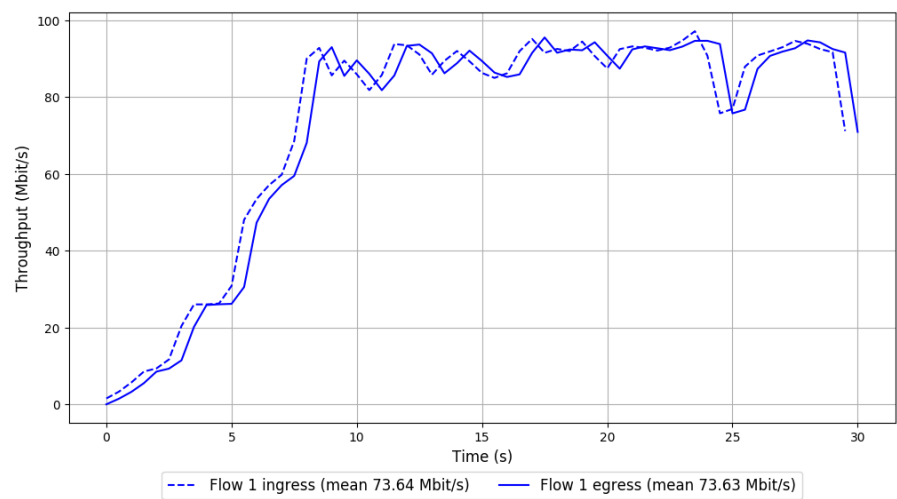


Run 4: Statistics of PCC-Vivace

Start at: 2018-08-22 12:05:07
End at: 2018-08-22 12:05:37
Local clock offset: 4.01 ms
Remote clock offset: -62.063 ms

Below is generated by plot.py at 2018-08-22 14:42:39
Datalink statistics
-- Total of 1 flow:
Average throughput: 73.63 Mbit/s
95th percentile per-packet one-way delay: 20.445 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 73.63 Mbit/s
95th percentile per-packet one-way delay: 20.445 ms
Loss rate: 0.09%

Run 4: Report of PCC-Vivace — Data Link

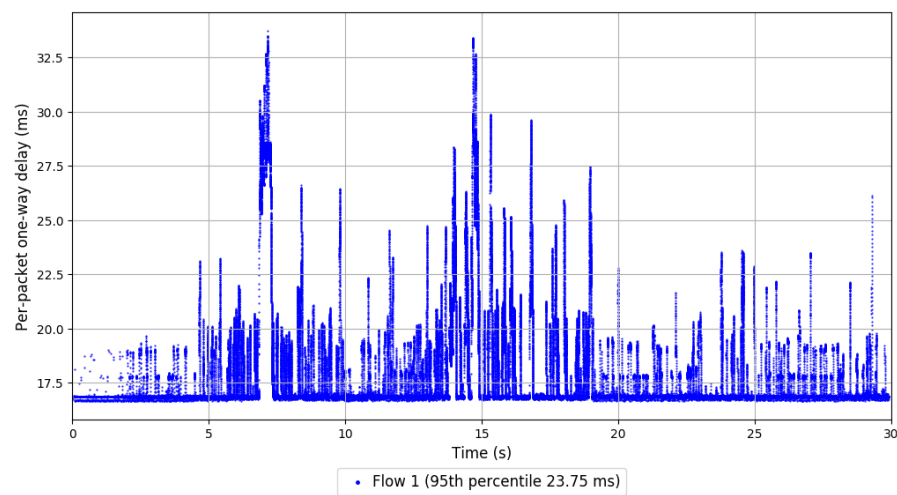
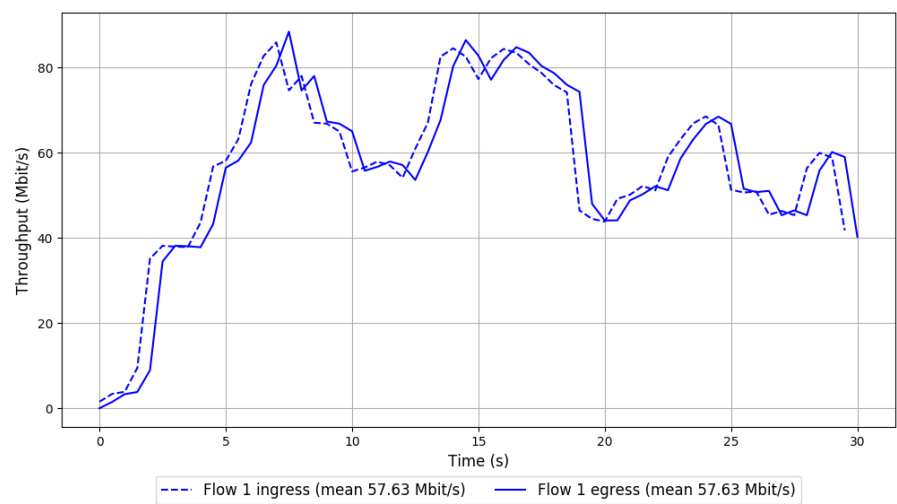


Run 5: Statistics of PCC-Vivace

Start at: 2018-08-22 12:24:34
End at: 2018-08-22 12:25:04
Local clock offset: 0.71 ms
Remote clock offset: -62.003 ms

Below is generated by plot.py at 2018-08-22 14:42:39
Datalink statistics
-- Total of 1 flow:
Average throughput: 57.63 Mbit/s
95th percentile per-packet one-way delay: 23.748 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 57.63 Mbit/s
95th percentile per-packet one-way delay: 23.748 ms
Loss rate: 0.10%

Run 5: Report of PCC-Vivace — Data Link

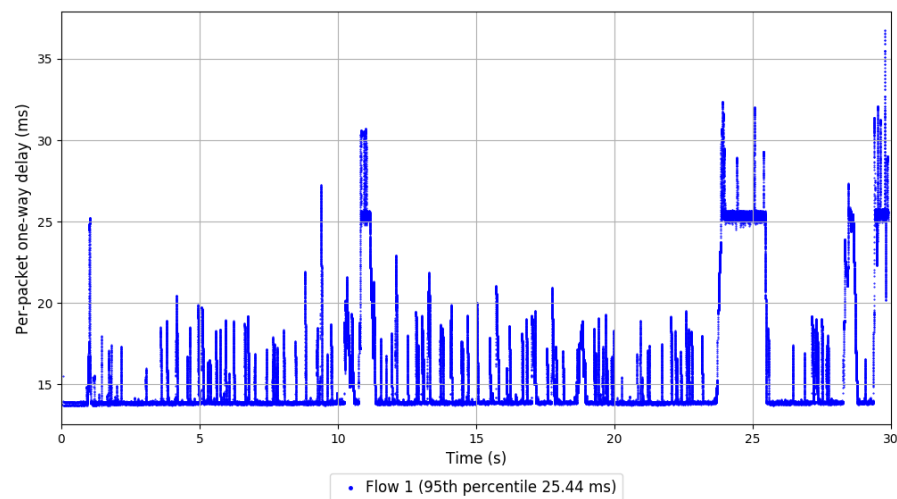
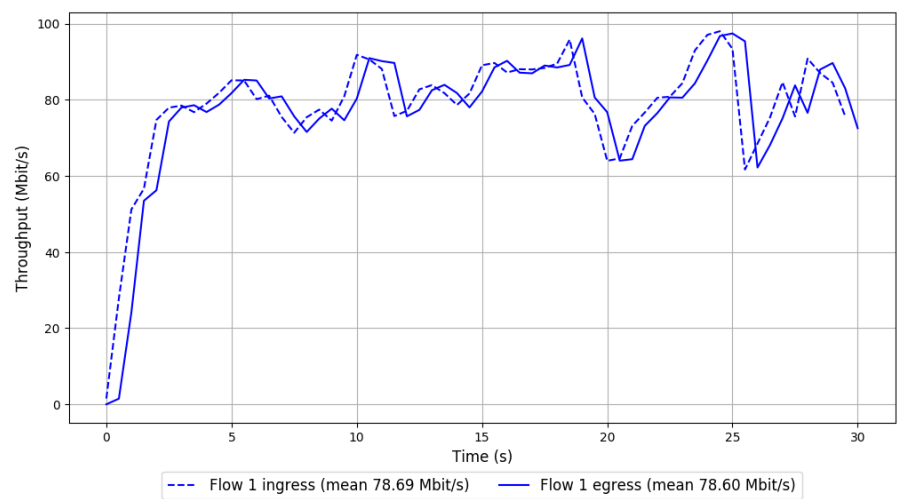


Run 6: Statistics of PCC-Vivace

Start at: 2018-08-22 12:43:56
End at: 2018-08-22 12:44:26
Local clock offset: -1.911 ms
Remote clock offset: -61.014 ms

Below is generated by plot.py at 2018-08-22 14:42:45
Datalink statistics
-- Total of 1 flow:
Average throughput: 78.60 Mbit/s
95th percentile per-packet one-way delay: 25.442 ms
Loss rate: 0.19%
-- Flow 1:
Average throughput: 78.60 Mbit/s
95th percentile per-packet one-way delay: 25.442 ms
Loss rate: 0.19%

Run 6: Report of PCC-Vivace — Data Link

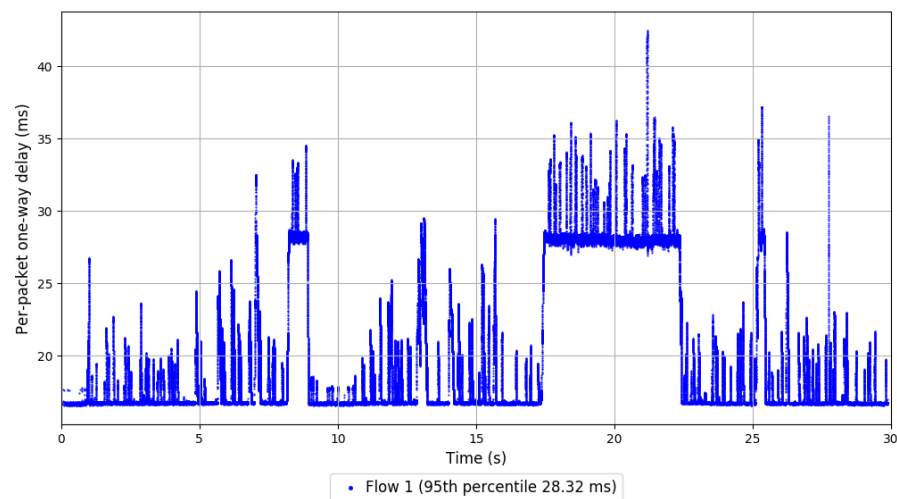
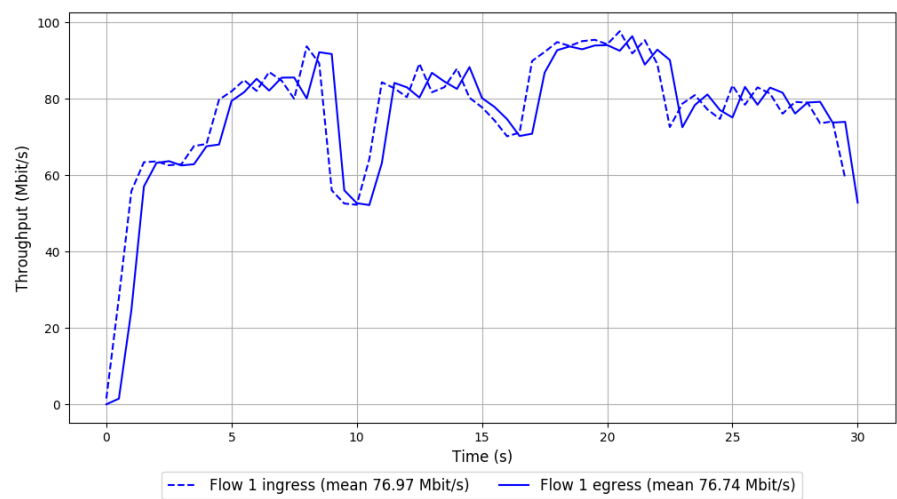


Run 7: Statistics of PCC-Vivace

Start at: 2018-08-22 13:03:16
End at: 2018-08-22 13:03:46
Local clock offset: 0.478 ms
Remote clock offset: -61.665 ms

Below is generated by plot.py at 2018-08-22 14:42:45
Datalink statistics
-- Total of 1 flow:
Average throughput: 76.74 Mbit/s
95th percentile per-packet one-way delay: 28.320 ms
Loss rate: 0.52%
-- Flow 1:
Average throughput: 76.74 Mbit/s
95th percentile per-packet one-way delay: 28.320 ms
Loss rate: 0.52%

Run 7: Report of PCC-Vivace — Data Link

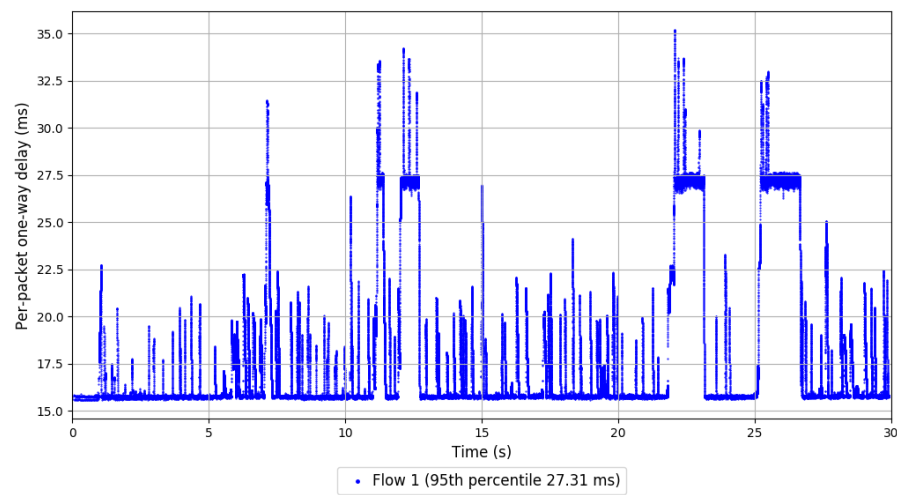
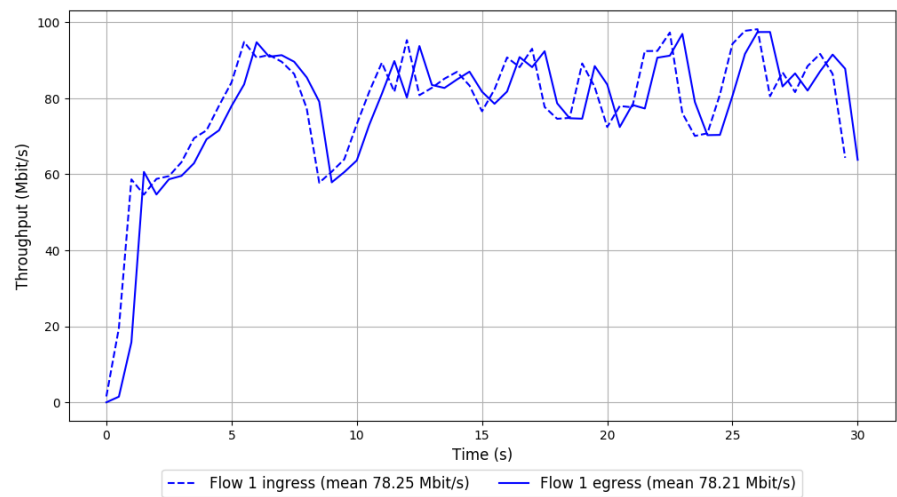


Run 8: Statistics of PCC-Vivace

Start at: 2018-08-22 13:22:44
End at: 2018-08-22 13:23:14
Local clock offset: -0.132 ms
Remote clock offset: -60.988 ms

Below is generated by plot.py at 2018-08-22 14:42:47
Datalink statistics
-- Total of 1 flow:
Average throughput: 78.21 Mbit/s
95th percentile per-packet one-way delay: 27.313 ms
Loss rate: 0.12%
-- Flow 1:
Average throughput: 78.21 Mbit/s
95th percentile per-packet one-way delay: 27.313 ms
Loss rate: 0.12%

Run 8: Report of PCC-Vivace — Data Link

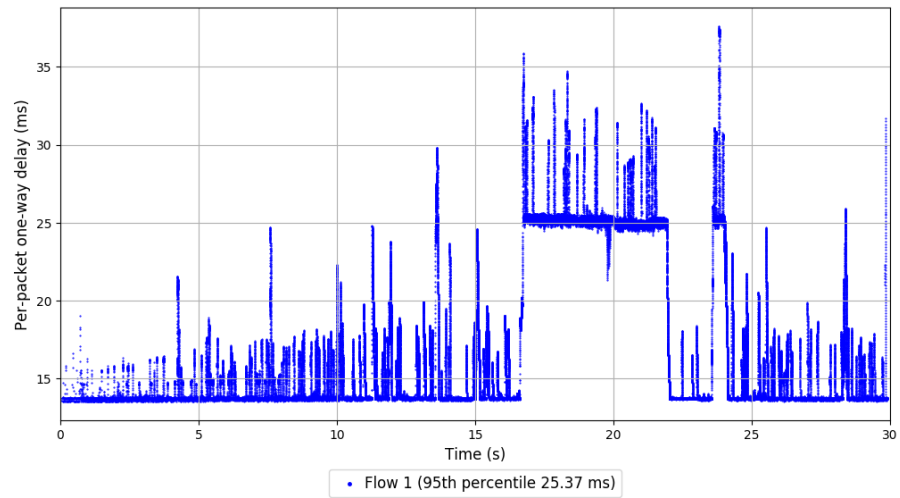
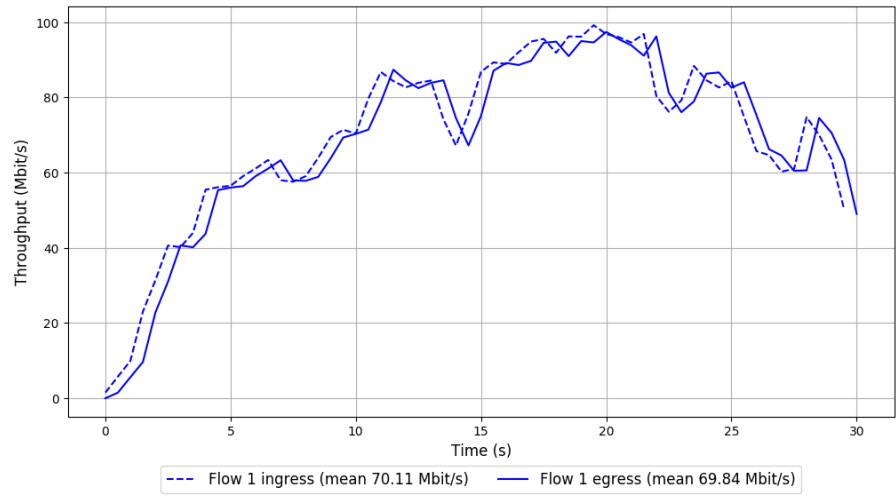


Run 9: Statistics of PCC-Vivace

Start at: 2018-08-22 13:42:19
End at: 2018-08-22 13:42:49
Local clock offset: -2.747 ms
Remote clock offset: -60.293 ms

Below is generated by plot.py at 2018-08-22 14:42:47
Datalink statistics
-- Total of 1 flow:
Average throughput: 69.84 Mbit/s
95th percentile per-packet one-way delay: 25.368 ms
Loss rate: 0.46%
-- Flow 1:
Average throughput: 69.84 Mbit/s
95th percentile per-packet one-way delay: 25.368 ms
Loss rate: 0.46%

Run 9: Report of PCC-Vivace — Data Link



Run 10: Statistics of PCC-Vivace

Start at: 2018-08-22 14:01:47

End at: 2018-08-22 14:02:17

Local clock offset: 0.432 ms

Remote clock offset: -59.277 ms

Below is generated by plot.py at 2018-08-22 14:42:49

Datalink statistics

-- Total of 1 flow:

Average throughput: 76.09 Mbit/s

95th percentile per-packet one-way delay: 22.044 ms

Loss rate: 0.23%

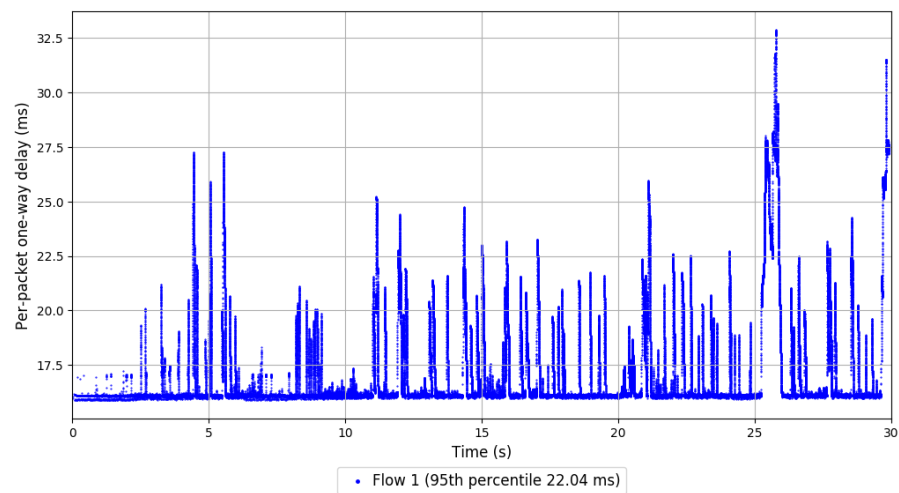
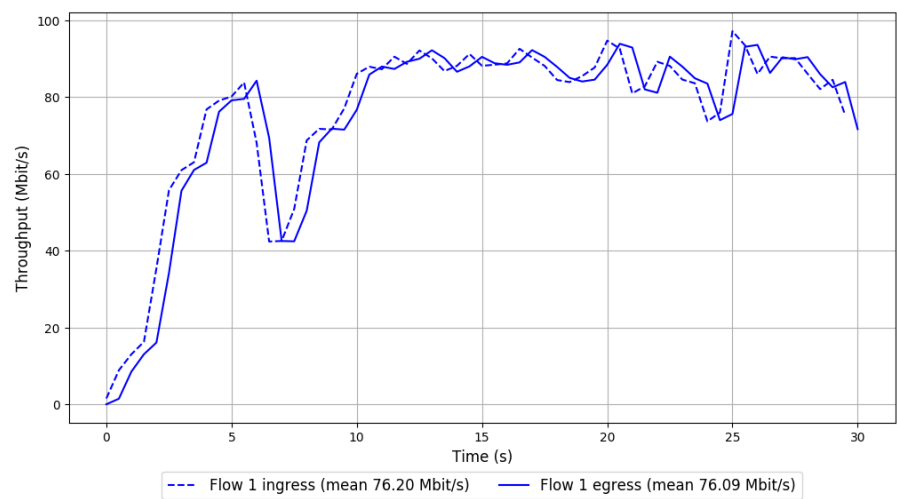
-- Flow 1:

Average throughput: 76.09 Mbit/s

95th percentile per-packet one-way delay: 22.044 ms

Loss rate: 0.23%

Run 10: Report of PCC-Vivace — Data Link

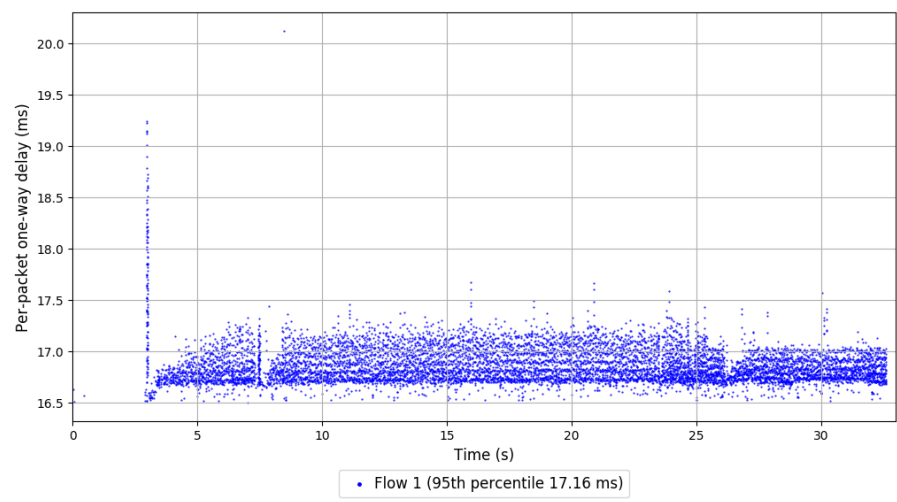
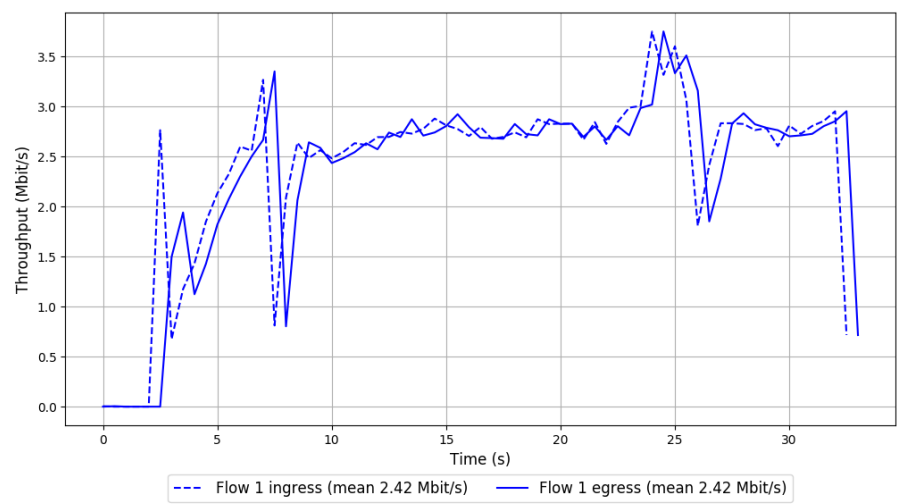


Run 1: Statistics of WebRTC media

Start at: 2018-08-22 11:03:28
End at: 2018-08-22 11:03:58
Local clock offset: 0.391 ms
Remote clock offset: -60.727 ms

Below is generated by plot.py at 2018-08-22 14:42:49
Datalink statistics
-- Total of 1 flow:
Average throughput: 2.42 Mbit/s
95th percentile per-packet one-way delay: 17.159 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 2.42 Mbit/s
95th percentile per-packet one-way delay: 17.159 ms
Loss rate: 0.06%

Run 1: Report of WebRTC media — Data Link

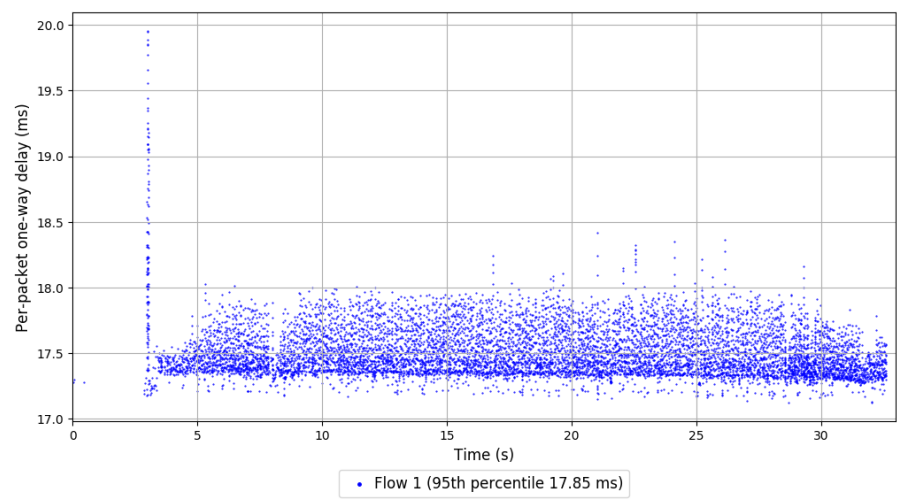
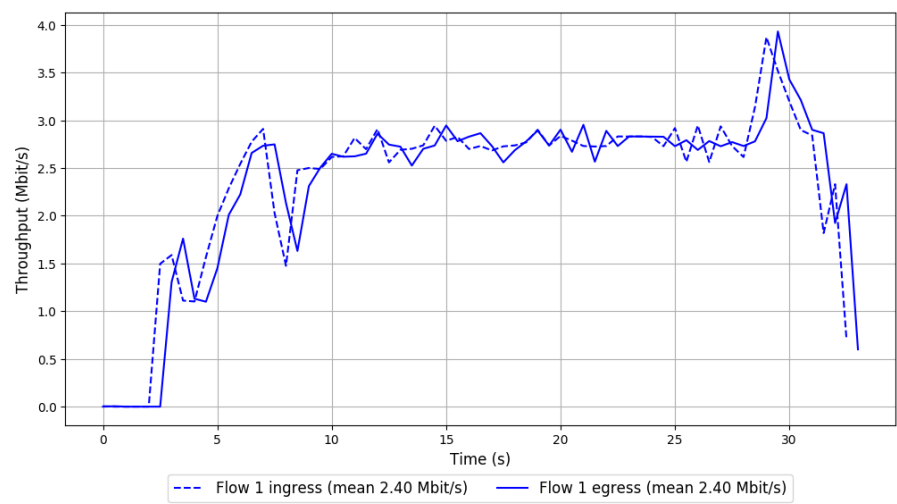


Run 2: Statistics of WebRTC media

Start at: 2018-08-22 11:24:17
End at: 2018-08-22 11:24:47
Local clock offset: 1.131 ms
Remote clock offset: -62.638 ms

Below is generated by plot.py at 2018-08-22 14:42:49
Datalink statistics
-- Total of 1 flow:
Average throughput: 2.40 Mbit/s
95th percentile per-packet one-way delay: 17.854 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 2.40 Mbit/s
95th percentile per-packet one-way delay: 17.854 ms
Loss rate: 0.07%

Run 2: Report of WebRTC media — Data Link

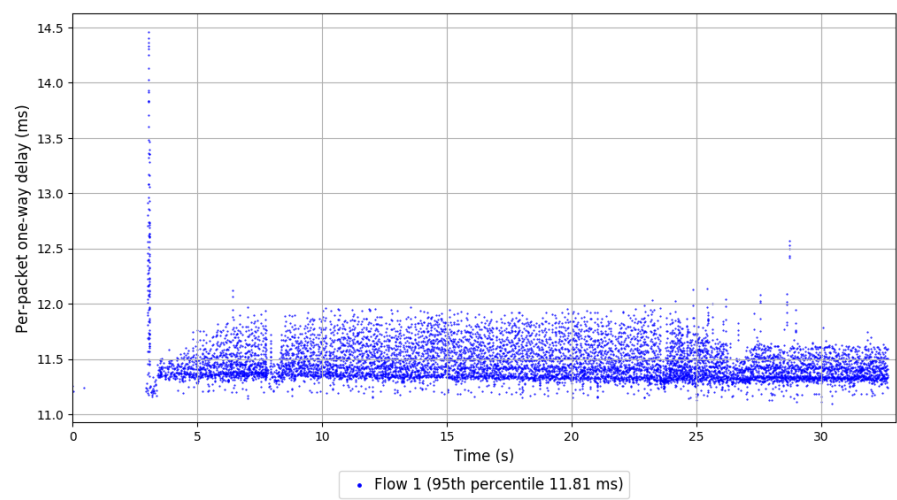
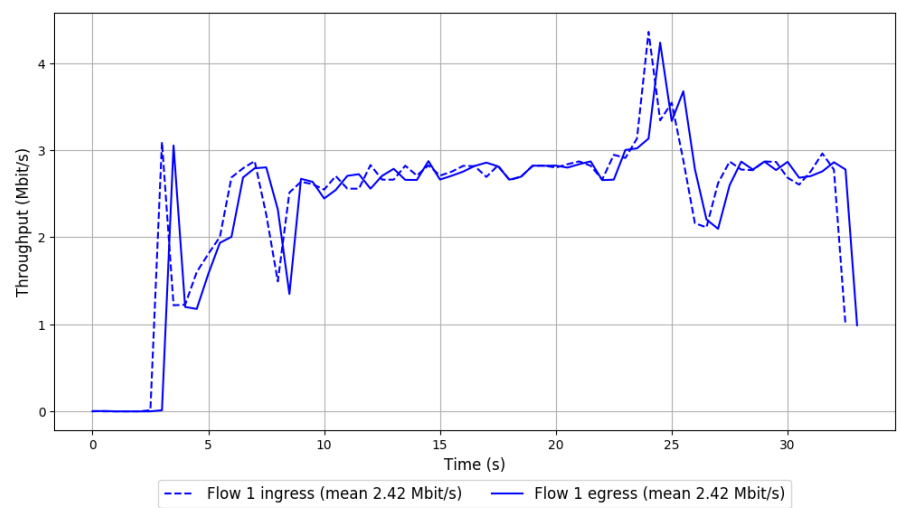


Run 3: Statistics of WebRTC media

Start at: 2018-08-22 11:44:33
End at: 2018-08-22 11:45:03
Local clock offset: -4.662 ms
Remote clock offset: -64.704 ms

Below is generated by plot.py at 2018-08-22 14:42:49
Datalink statistics
-- Total of 1 flow:
Average throughput: 2.42 Mbit/s
95th percentile per-packet one-way delay: 11.807 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 2.42 Mbit/s
95th percentile per-packet one-way delay: 11.807 ms
Loss rate: 0.06%

Run 3: Report of WebRTC media — Data Link

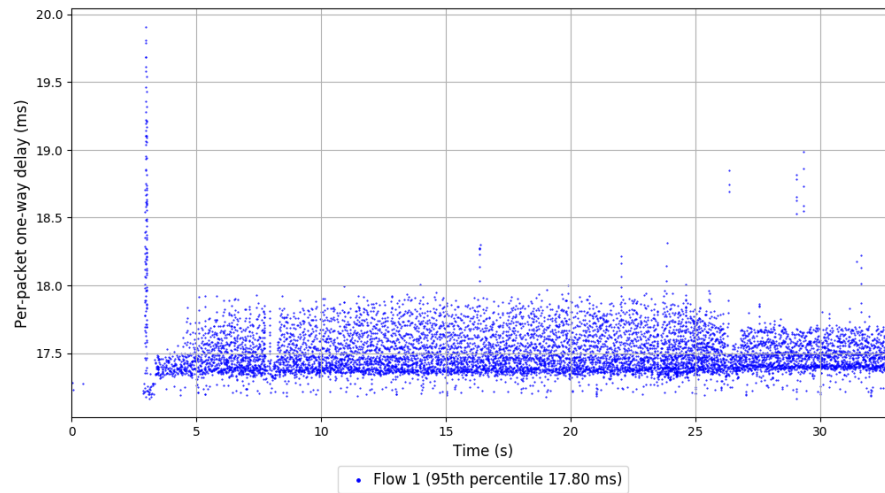
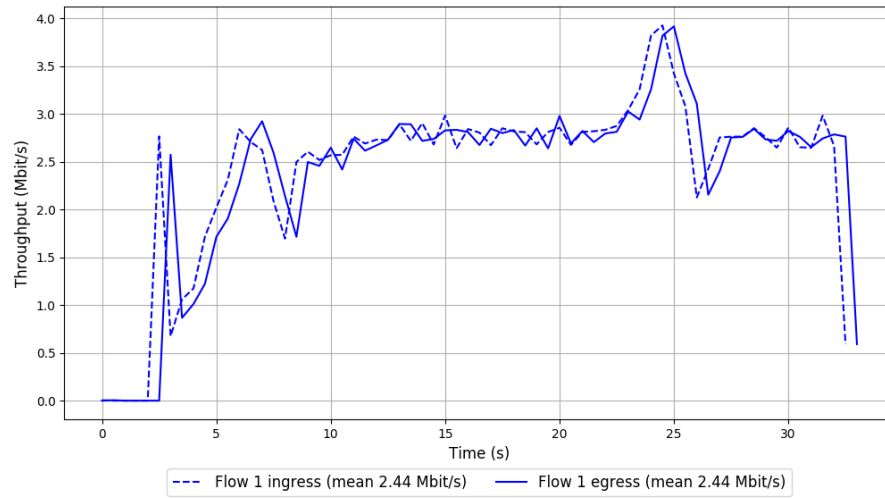


Run 4: Statistics of WebRTC media

Start at: 2018-08-22 12:04:03
End at: 2018-08-22 12:04:33
Local clock offset: 2.088 ms
Remote clock offset: -62.144 ms

Below is generated by plot.py at 2018-08-22 14:42:49
Datalink statistics
-- Total of 1 flow:
Average throughput: 2.44 Mbit/s
95th percentile per-packet one-way delay: 17.803 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 2.44 Mbit/s
95th percentile per-packet one-way delay: 17.803 ms
Loss rate: 0.06%

Run 4: Report of WebRTC media — Data Link

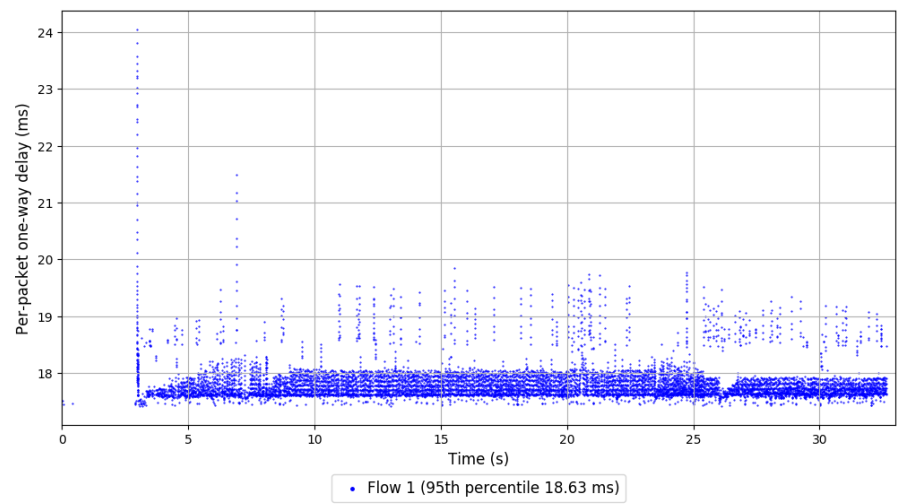
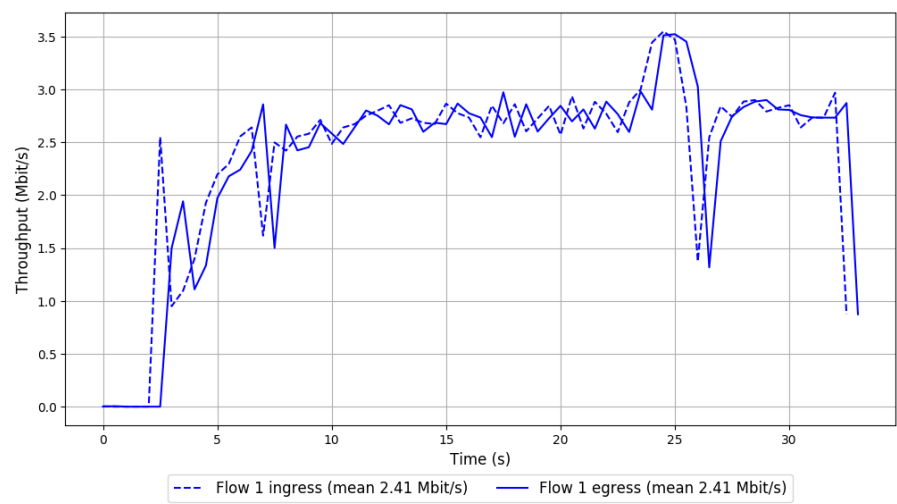


Run 5: Statistics of WebRTC media

Start at: 2018-08-22 12:23:29
End at: 2018-08-22 12:23:59
Local clock offset: 1.629 ms
Remote clock offset: -61.838 ms

Below is generated by plot.py at 2018-08-22 14:42:49
Datalink statistics
-- Total of 1 flow:
Average throughput: 2.41 Mbit/s
95th percentile per-packet one-way delay: 18.634 ms
Loss rate: 0.12%
-- Flow 1:
Average throughput: 2.41 Mbit/s
95th percentile per-packet one-way delay: 18.634 ms
Loss rate: 0.12%

Run 5: Report of WebRTC media — Data Link

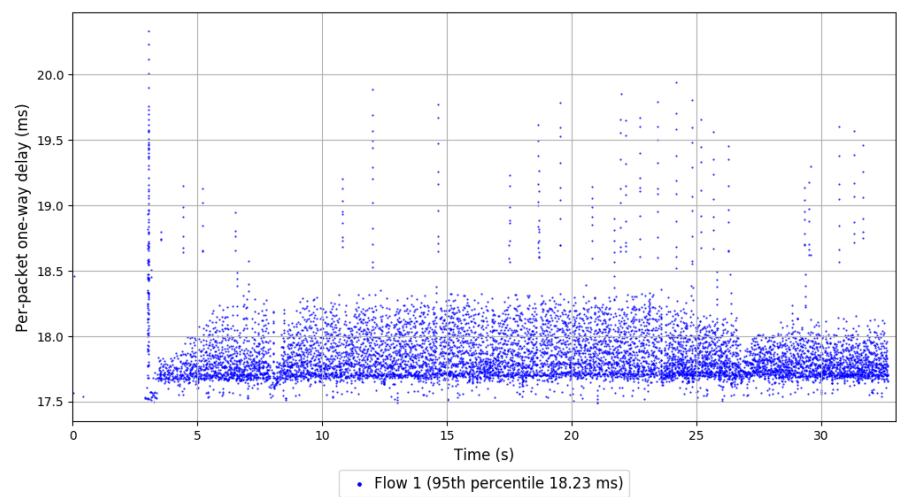
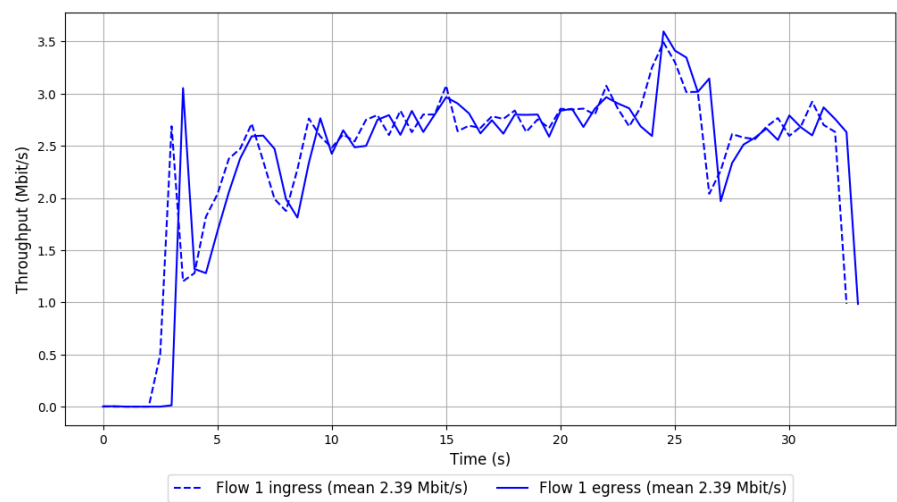


Run 6: Statistics of WebRTC media

Start at: 2018-08-22 12:42:52
End at: 2018-08-22 12:43:22
Local clock offset: 1.719 ms
Remote clock offset: -61.198 ms

Below is generated by plot.py at 2018-08-22 14:42:49
Datalink statistics
-- Total of 1 flow:
Average throughput: 2.39 Mbit/s
95th percentile per-packet one-way delay: 18.232 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 2.39 Mbit/s
95th percentile per-packet one-way delay: 18.232 ms
Loss rate: 0.07%

Run 6: Report of WebRTC media — Data Link

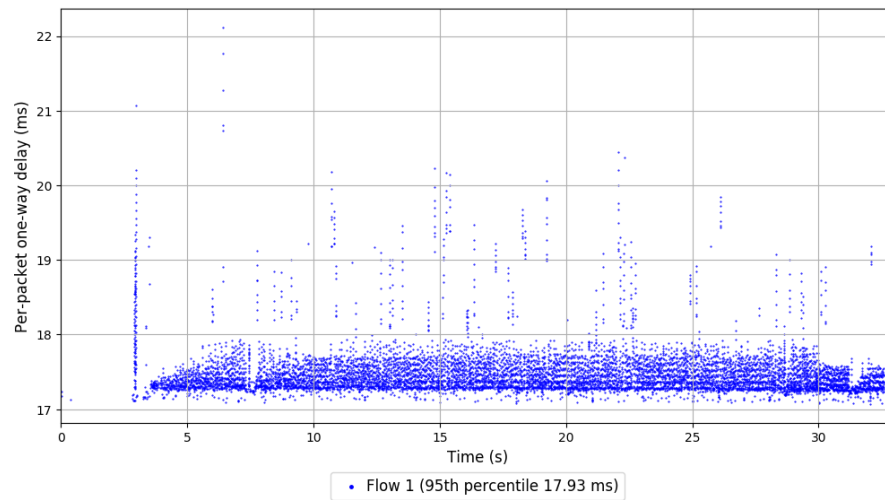
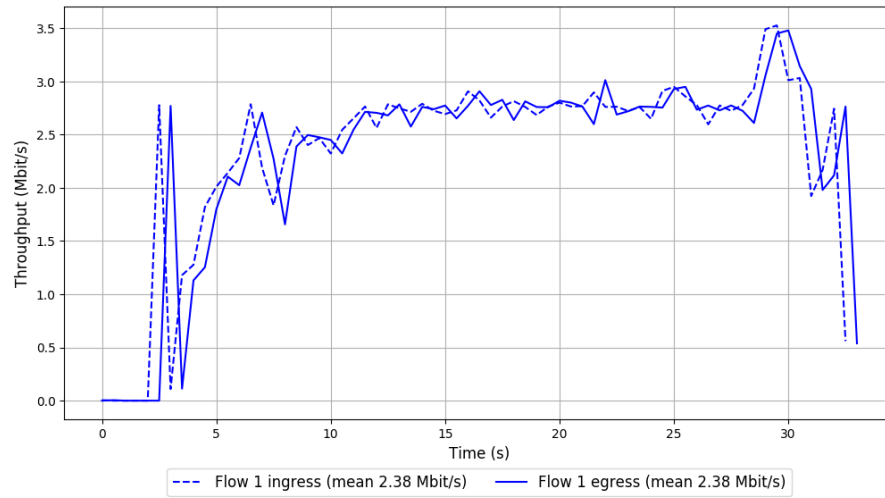


Run 7: Statistics of WebRTC media

Start at: 2018-08-22 13:02:11
End at: 2018-08-22 13:02:41
Local clock offset: 2.514 ms
Remote clock offset: -60.07 ms

Below is generated by plot.py at 2018-08-22 14:42:49
Datalink statistics
-- Total of 1 flow:
Average throughput: 2.38 Mbit/s
95th percentile per-packet one-way delay: 17.927 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 2.38 Mbit/s
95th percentile per-packet one-way delay: 17.927 ms
Loss rate: 0.06%

Run 7: Report of WebRTC media — Data Link

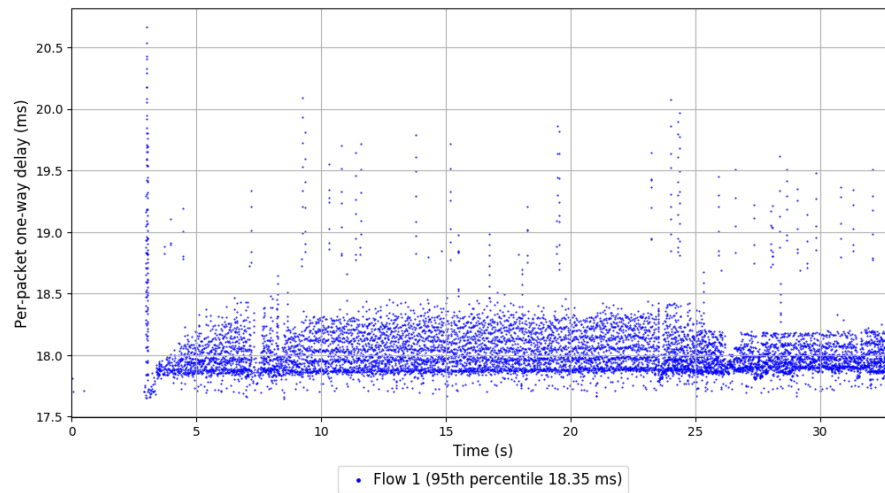
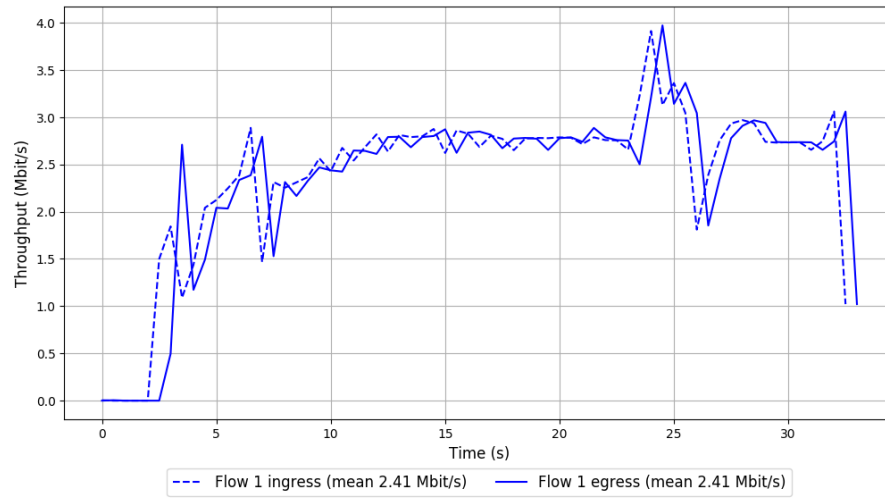


Run 8: Statistics of WebRTC media

Start at: 2018-08-22 13:21:40
End at: 2018-08-22 13:22:10
Local clock offset: 1.303 ms
Remote clock offset: -61.672 ms

Below is generated by plot.py at 2018-08-22 14:42:49
Datalink statistics
-- Total of 1 flow:
Average throughput: 2.41 Mbit/s
95th percentile per-packet one-way delay: 18.350 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 2.41 Mbit/s
95th percentile per-packet one-way delay: 18.350 ms
Loss rate: 0.06%

Run 8: Report of WebRTC media — Data Link

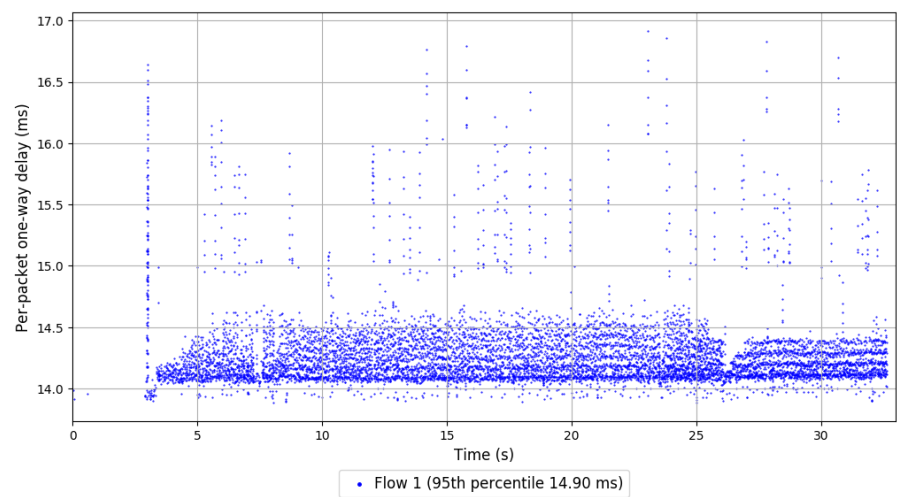
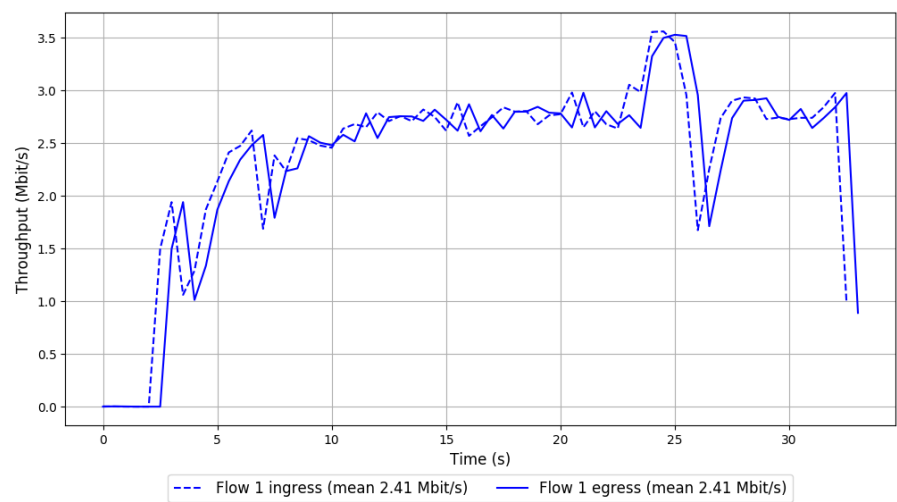


Run 9: Statistics of WebRTC media

Start at: 2018-08-22 13:41:14
End at: 2018-08-22 13:41:44
Local clock offset: -2.579 ms
Remote clock offset: -60.447 ms

Below is generated by plot.py at 2018-08-22 14:42:49
Datalink statistics
-- Total of 1 flow:
Average throughput: 2.41 Mbit/s
95th percentile per-packet one-way delay: 14.901 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 2.41 Mbit/s
95th percentile per-packet one-way delay: 14.901 ms
Loss rate: 0.13%

Run 9: Report of WebRTC media — Data Link



Run 10: Statistics of WebRTC media

Start at: 2018-08-22 14:00:43
End at: 2018-08-22 14:01:13
Local clock offset: 2.751 ms
Remote clock offset: -60.088 ms

Below is generated by plot.py at 2018-08-22 14:42:49
Datalink statistics
-- Total of 1 flow:
Average throughput: 2.41 Mbit/s
95th percentile per-packet one-way delay: 19.678 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 2.41 Mbit/s
95th percentile per-packet one-way delay: 19.678 ms
Loss rate: 0.06%

Run 10: Report of WebRTC media — Data Link

