

Pantheon Report

Generated at 2018-08-01 21:14:37 (UTC).

Data path: Saudi Arabia Ethernet (*remote*) → AWS India 2 Ethernet (*local*).

Repeated the test of 17 congestion control schemes 10 times.

Each test lasted for 30 seconds running 1 flow.

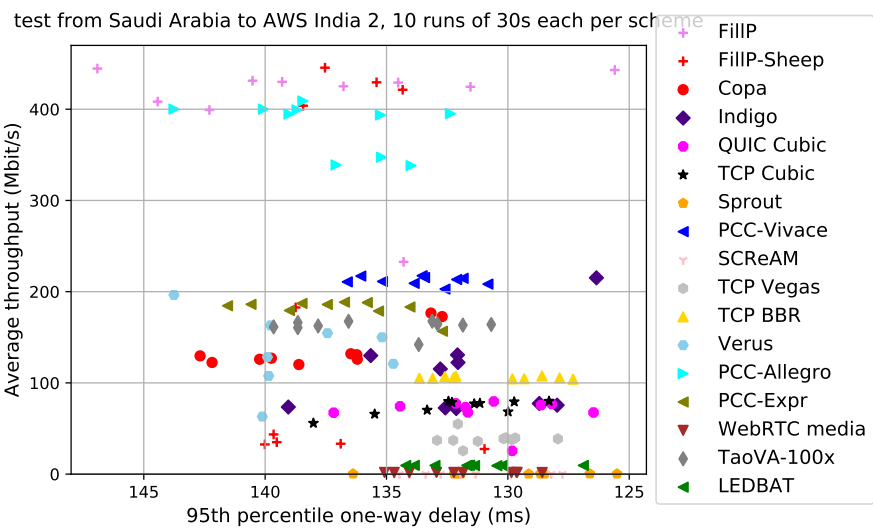
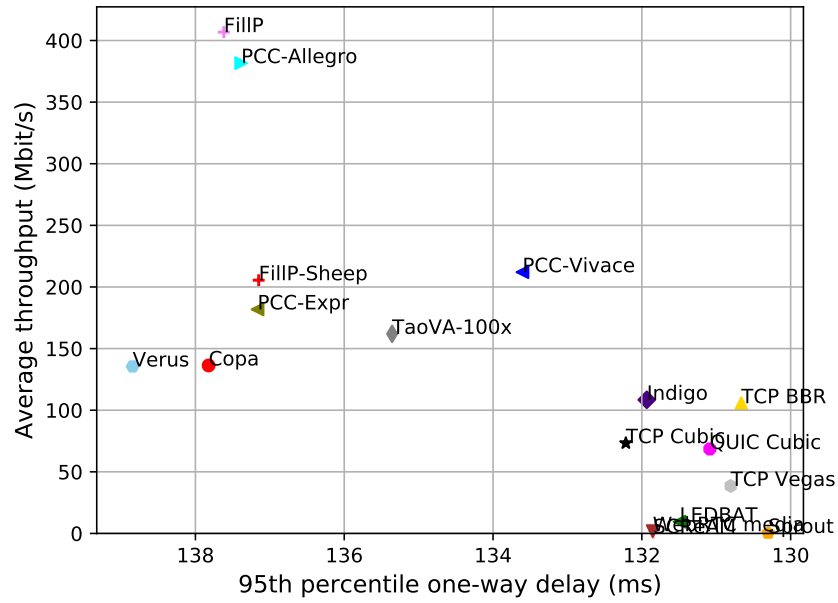
Increased UDP receive buffer to 16 MB (default) and 32 MB (max).

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

Git summary:

```
branch: master @ 640164b5b17c7c6561fff57729b3b5935d8596ce
third_party/fillp @ d47f4fa1b454a5e3c0537115c5a28436dbd4b834
third_party/fillp-sheep @ daed0c84f98531712514b2231f43ec6901114ffe
third_party/genericCC @ d0153f8e594aa89e93b032143cedbdf5e58e562f4
third_party/indigo @ 2601c92e4aa9d58d38dc4dfe0ecdbf90c077e64d
third_party/libutp @ b3465b942e2826f2b179eaab4a906ce6bb7cf3cf
third_party/pantheon-tunnel @ 6f038ed31259d366f9840f65b82cbe8f464b1b39
third_party/pcc @ 1afc958fa0d66d18b623c091a55fec872b4981e1
  M receiver/src/buffer.h
  M receiver/src/core.cpp
  M sender/src/buffer.h
  M sender/src/core.cpp
third_party/pcc-experimental @ cd43e34e3f5f5613e8acd08fab92c4eb24f974ab
third_party/proto-quirk @ 77961f1a82733a86b42f1bc8143ebc978f3cff42
third_party/scream-reproduce @ f099118d1421aa3131bf11ff1964974e1da3bdb2
  M src/ScreamClient
  M src/ScreamServer
third_party/sprout @ 366e35c6178b01e31d4a46ad18c74f9415f19a26
third_party/verus @ d4b447ea74c6c60a261149af2629562939f9a494
  M src/verus.hpp
  M tools/plot.py
third_party/vivace @ 2baf86211435ae071a32f96b7d8c504587f5d7f4
third_party/webrtc @ 3f0cc2a9061a41b6f9dde4735770d143a1fa2851
```

test from Saudi Arabia to AWS India 2, 10 runs of 30s each per scheme
(mean of all runs by scheme)



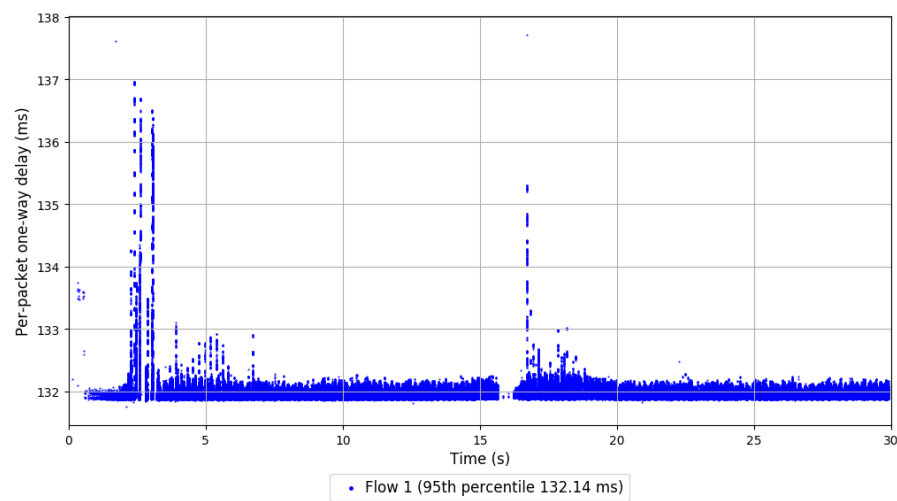
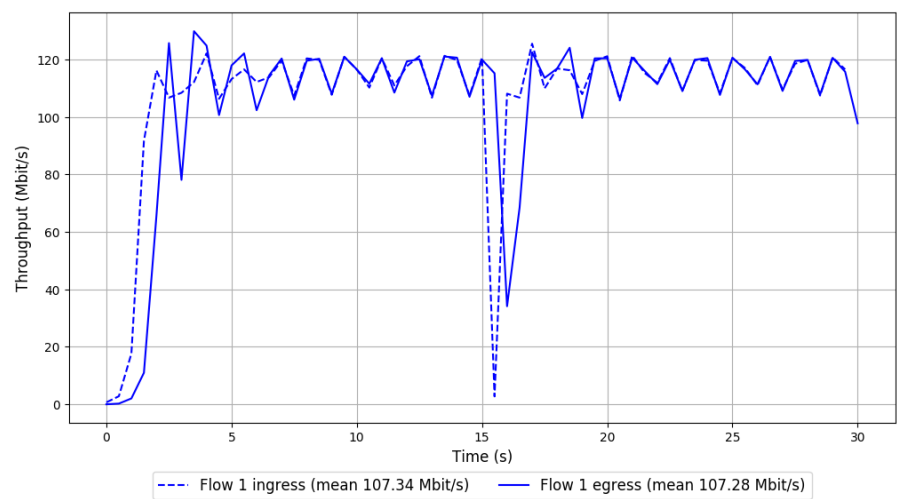
| scheme | # runs | mean avg tput (Mbit/s) flow 1 | mean 95th-%ile delay (ms) flow 1 | mean loss rate (%) flow 1 |
|--------------|--------|----------------------------------|-------------------------------------|------------------------------|
| TCP BBR | 10 | 105.65 | 130.66 | 0.66 |
| Copa | 10 | 136.32 | 137.82 | 0.62 |
| TCP Cubic | 10 | 73.27 | 132.22 | 0.64 |
| FillP | 10 | 406.79 | 137.62 | 1.40 |
| FillP-Sheep | 10 | 205.48 | 137.15 | 0.77 |
| Indigo | 10 | 108.44 | 131.93 | 0.69 |
| LEDBAT | 10 | 9.51 | 131.49 | 1.30 |
| PCC-Allegro | 10 | 381.65 | 137.39 | 1.23 |
| PCC-Expr | 10 | 181.82 | 137.17 | 0.71 |
| QUIC Cubic | 10 | 68.55 | 131.09 | 0.81 |
| SCReAM | 10 | 0.22 | 131.85 | 0.63 |
| Sprout | 10 | 0.39 | 130.30 | 0.59 |
| TaoVA-100x | 10 | 161.96 | 135.36 | 0.74 |
| TCP Vegas | 10 | 38.52 | 130.81 | 0.71 |
| Verus | 8 | 135.50 | 138.84 | 0.37 |
| PCC-Vivace | 10 | 212.03 | 133.60 | 0.76 |
| WebRTC media | 10 | 1.85 | 131.85 | 0.71 |

Run 1: Statistics of TCP BBR

Start at: 2018-08-01 16:39:08
End at: 2018-08-01 16:39:38
Local clock offset: 2.1 ms
Remote clock offset: -39.092 ms

Below is generated by plot.py at 2018-08-01 20:37:03
Datalink statistics
-- Total of 1 flow:
Average throughput: 107.28 Mbit/s
95th percentile per-packet one-way delay: 132.144 ms
Loss rate: 0.76%
-- Flow 1:
Average throughput: 107.28 Mbit/s
95th percentile per-packet one-way delay: 132.144 ms
Loss rate: 0.76%

Run 1: Report of TCP BBR — Data Link

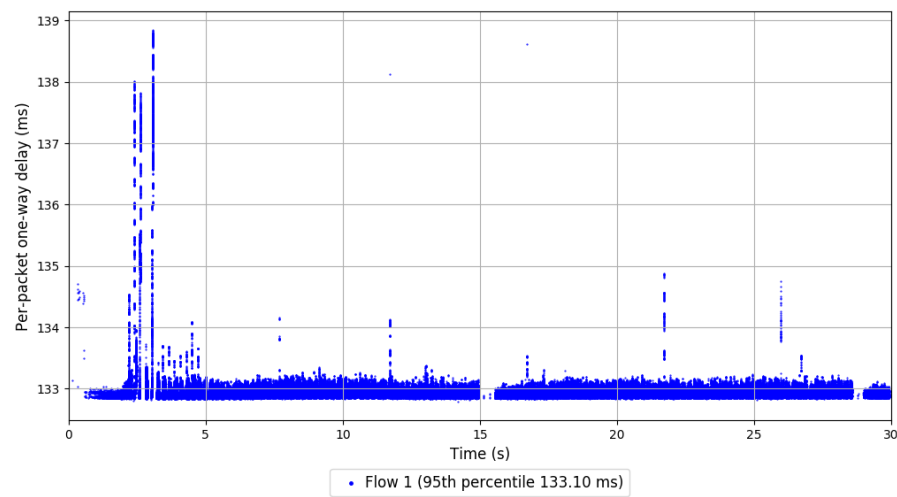
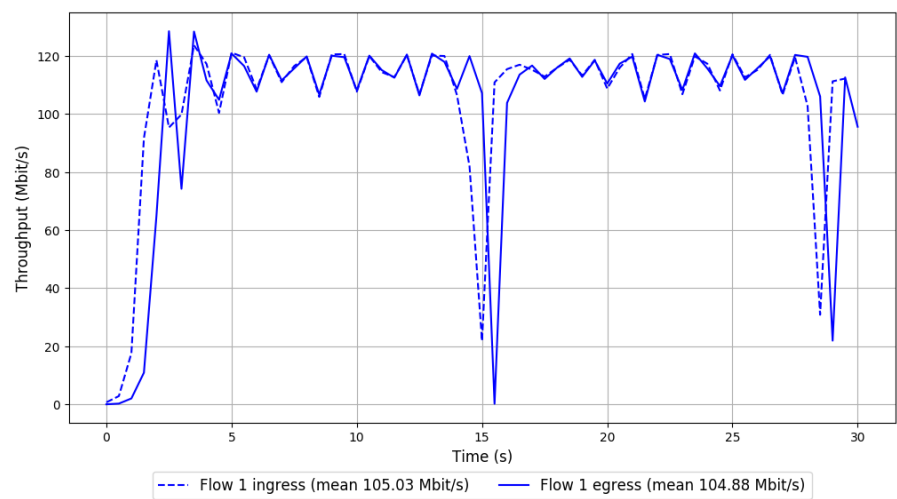


Run 2: Statistics of TCP BBR

Start at: 2018-08-01 17:06:37
End at: 2018-08-01 17:07:07
Local clock offset: -0.063 ms
Remote clock offset: -41.279 ms

Below is generated by plot.py at 2018-08-01 20:37:03
Datalink statistics
-- Total of 1 flow:
Average throughput: 104.88 Mbit/s
95th percentile per-packet one-way delay: 133.096 ms
Loss rate: 0.73%
-- Flow 1:
Average throughput: 104.88 Mbit/s
95th percentile per-packet one-way delay: 133.096 ms
Loss rate: 0.73%

Run 2: Report of TCP BBR — Data Link

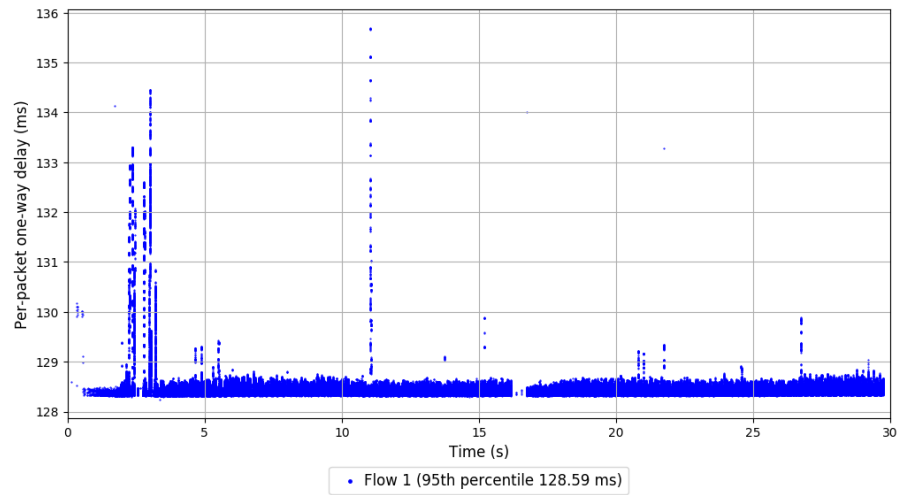
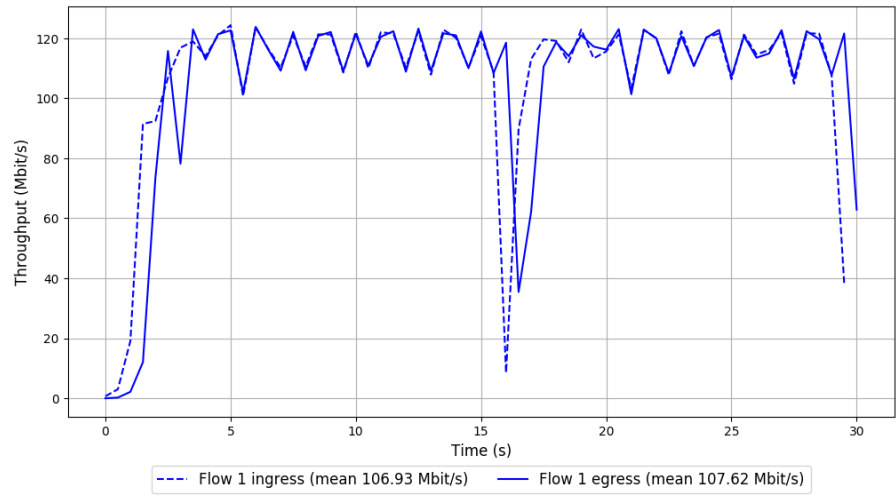


Run 3: Statistics of TCP BBR

Start at: 2018-08-01 17:33:54
End at: 2018-08-01 17:34:24
Local clock offset: -0.488 ms
Remote clock offset: -36.219 ms

Below is generated by plot.py at 2018-08-01 20:37:03
Datalink statistics
-- Total of 1 flow:
Average throughput: 107.62 Mbit/s
95th percentile per-packet one-way delay: 128.595 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 107.62 Mbit/s
95th percentile per-packet one-way delay: 128.595 ms
Loss rate: 0.00%

Run 3: Report of TCP BBR — Data Link

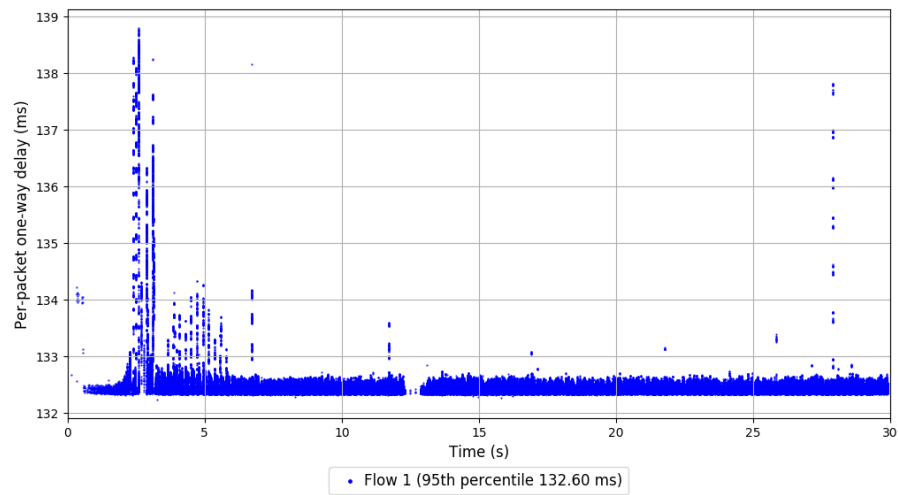
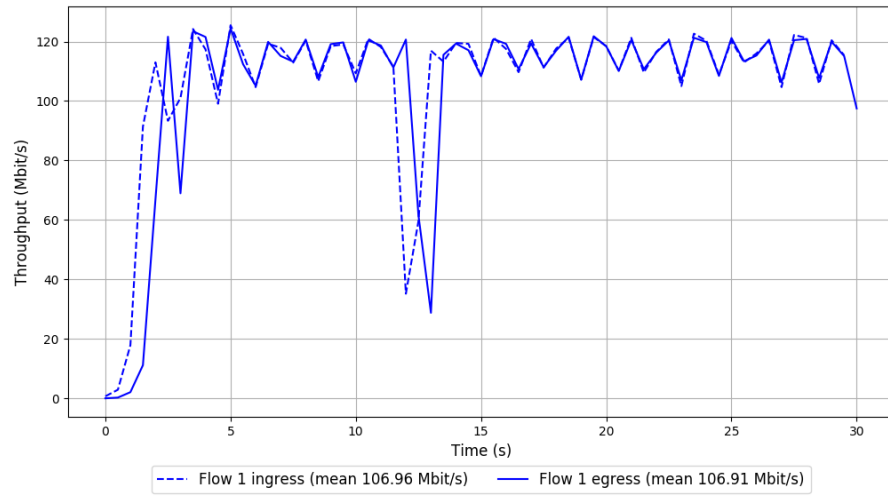


Run 4: Statistics of TCP BBR

Start at: 2018-08-01 18:01:19
End at: 2018-08-01 18:01:49
Local clock offset: -1.074 ms
Remote clock offset: -38.53 ms

Below is generated by plot.py at 2018-08-01 20:37:03
Datalink statistics
-- Total of 1 flow:
Average throughput: 106.91 Mbit/s
95th percentile per-packet one-way delay: 132.596 ms
Loss rate: 0.75%
-- Flow 1:
Average throughput: 106.91 Mbit/s
95th percentile per-packet one-way delay: 132.596 ms
Loss rate: 0.75%

Run 4: Report of TCP BBR — Data Link

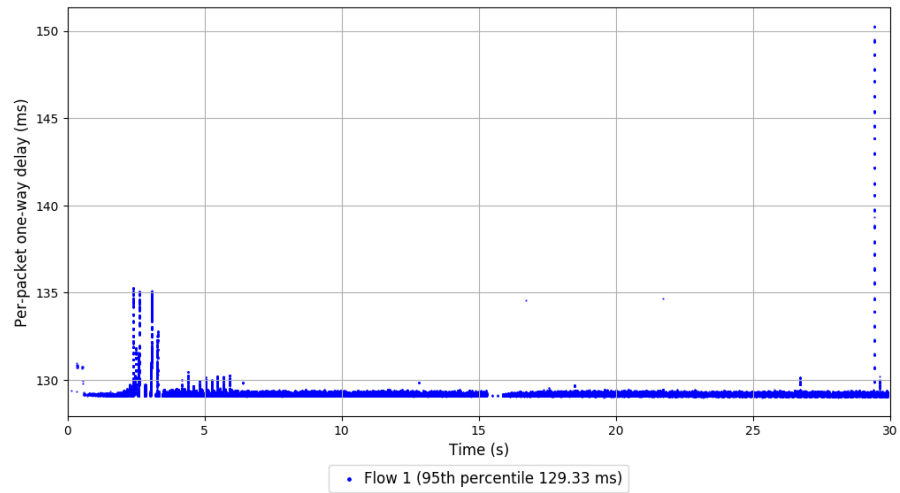
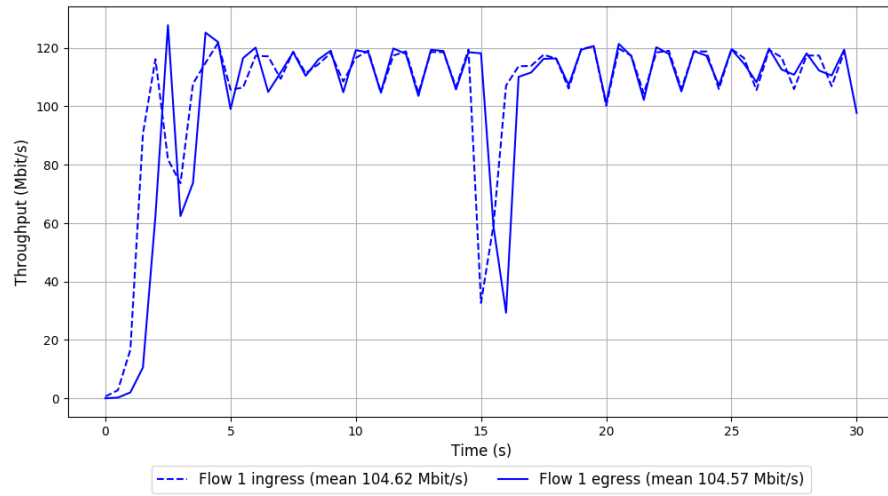


Run 5: Statistics of TCP BBR

Start at: 2018-08-01 18:23:16
End at: 2018-08-01 18:23:46
Local clock offset: 2.384 ms
Remote clock offset: -31.571 ms

Below is generated by plot.py at 2018-08-01 20:37:03
Datalink statistics
-- Total of 1 flow:
Average throughput: 104.57 Mbit/s
95th percentile per-packet one-way delay: 129.328 ms
Loss rate: 0.70%
-- Flow 1:
Average throughput: 104.57 Mbit/s
95th percentile per-packet one-way delay: 129.328 ms
Loss rate: 0.70%

Run 5: Report of TCP BBR — Data Link

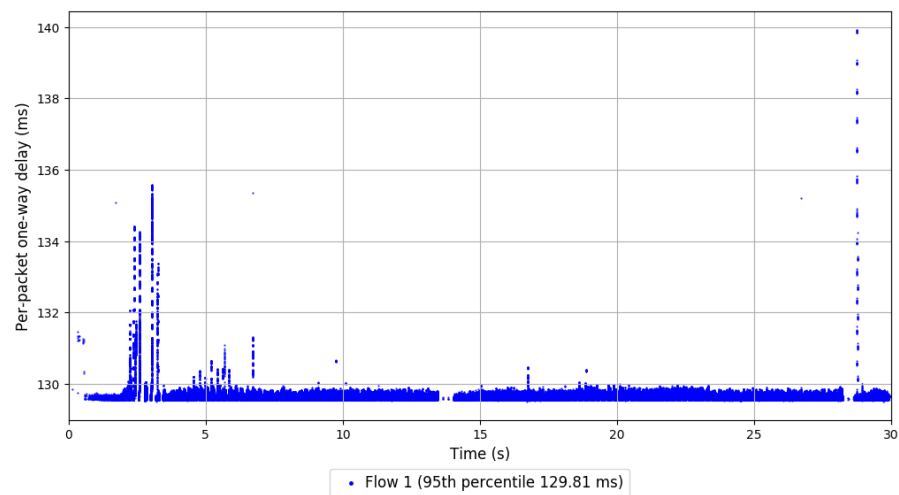
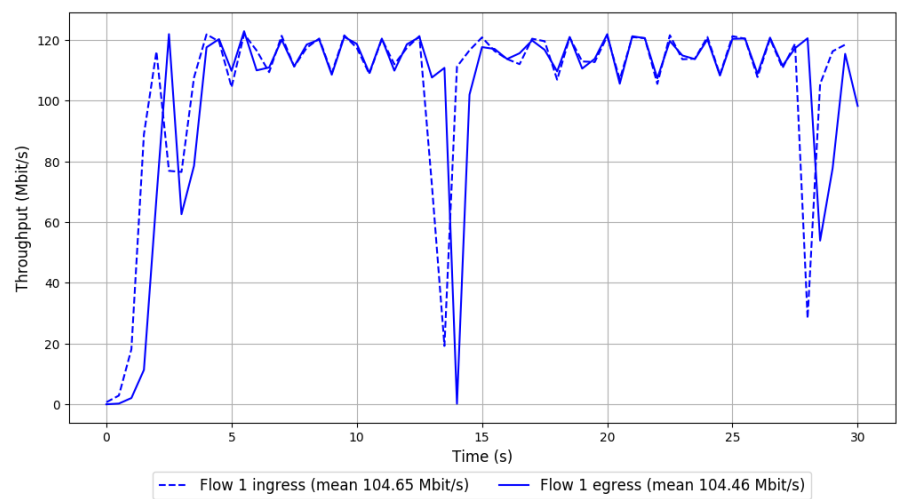


Run 6: Statistics of TCP BBR

Start at: 2018-08-01 18:51:04
End at: 2018-08-01 18:51:34
Local clock offset: 1.775 ms
Remote clock offset: -33.401 ms

Below is generated by plot.py at 2018-08-01 20:37:03
Datalink statistics
-- Total of 1 flow:
Average throughput: 104.46 Mbit/s
95th percentile per-packet one-way delay: 129.813 ms
Loss rate: 0.78%
-- Flow 1:
Average throughput: 104.46 Mbit/s
95th percentile per-packet one-way delay: 129.813 ms
Loss rate: 0.78%

Run 6: Report of TCP BBR — Data Link

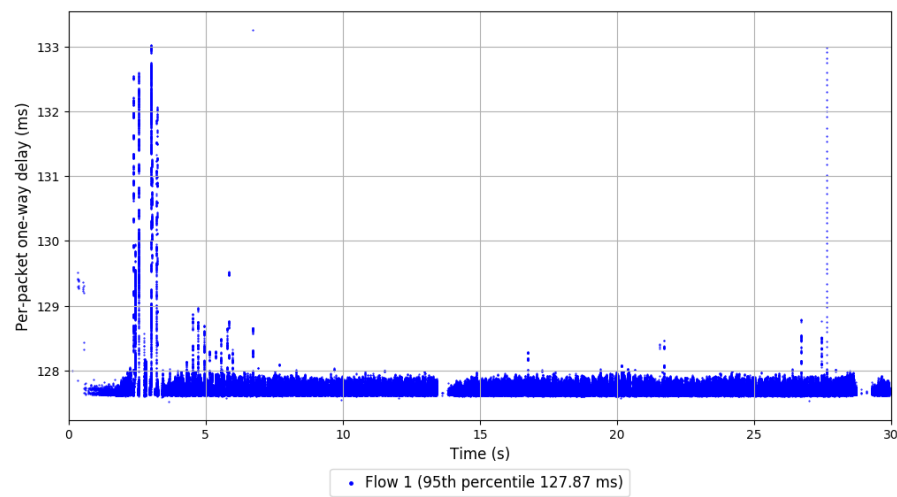
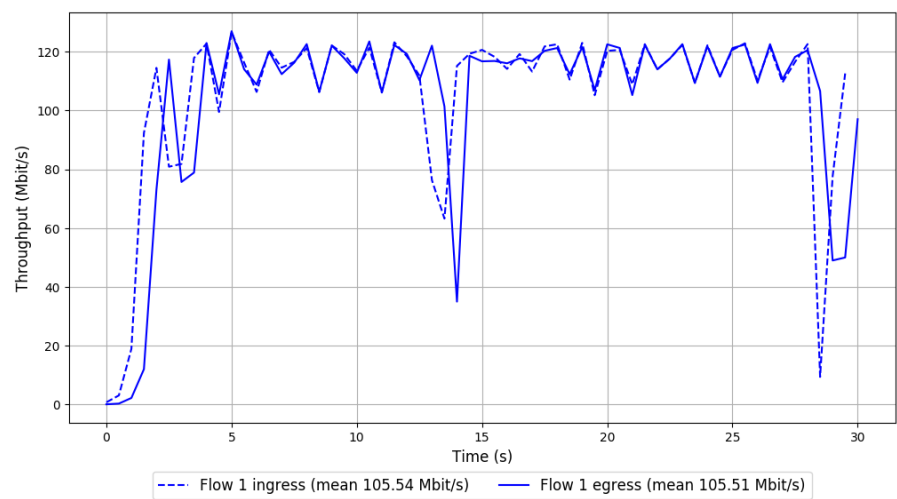


Run 7: Statistics of TCP BBR

Start at: 2018-08-01 19:18:43
End at: 2018-08-01 19:19:13
Local clock offset: 0.169 ms
Remote clock offset: -34.644 ms

Below is generated by plot.py at 2018-08-01 20:37:03
Datalink statistics
-- Total of 1 flow:
Average throughput: 105.51 Mbit/s
95th percentile per-packet one-way delay: 127.869 ms
Loss rate: 0.68%
-- Flow 1:
Average throughput: 105.51 Mbit/s
95th percentile per-packet one-way delay: 127.869 ms
Loss rate: 0.68%

Run 7: Report of TCP BBR — Data Link

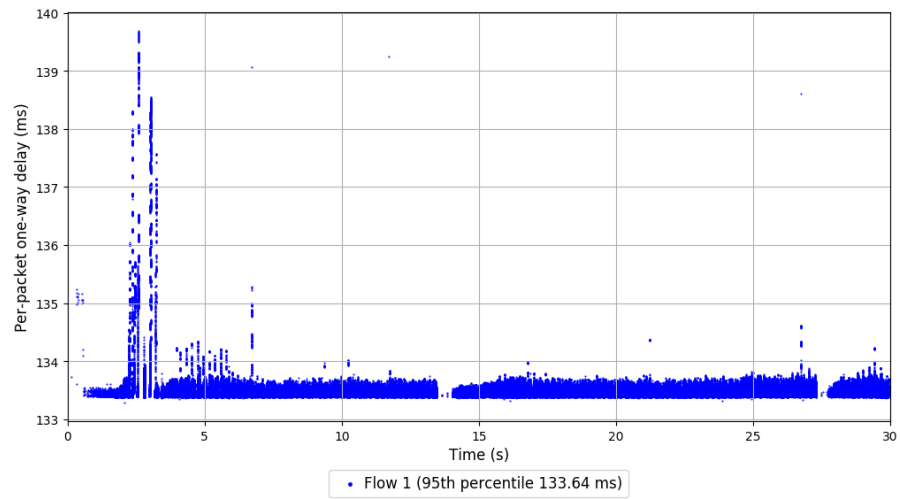
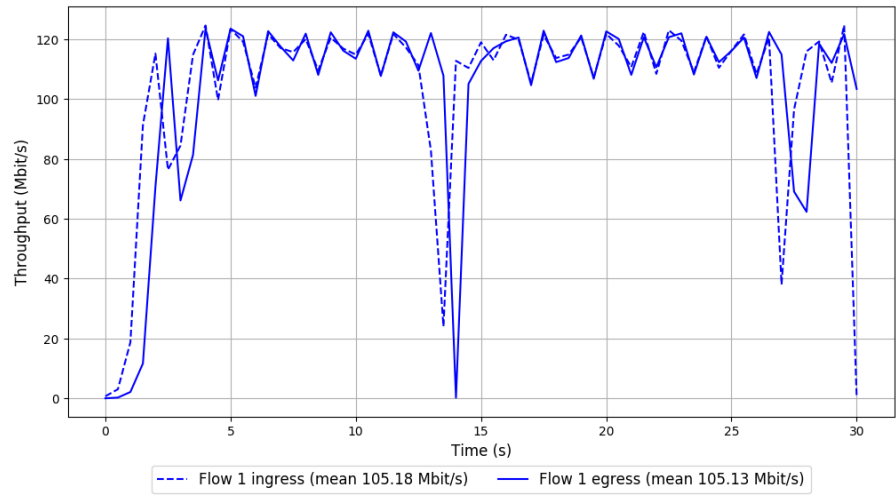


Run 8: Statistics of TCP BBR

Start at: 2018-08-01 19:46:13
End at: 2018-08-01 19:46:43
Local clock offset: -0.504 ms
Remote clock offset: -40.26 ms

Below is generated by plot.py at 2018-08-01 20:37:03
Datalink statistics
-- Total of 1 flow:
Average throughput: 105.13 Mbit/s
95th percentile per-packet one-way delay: 133.644 ms
Loss rate: 0.70%
-- Flow 1:
Average throughput: 105.13 Mbit/s
95th percentile per-packet one-way delay: 133.644 ms
Loss rate: 0.70%

Run 8: Report of TCP BBR — Data Link

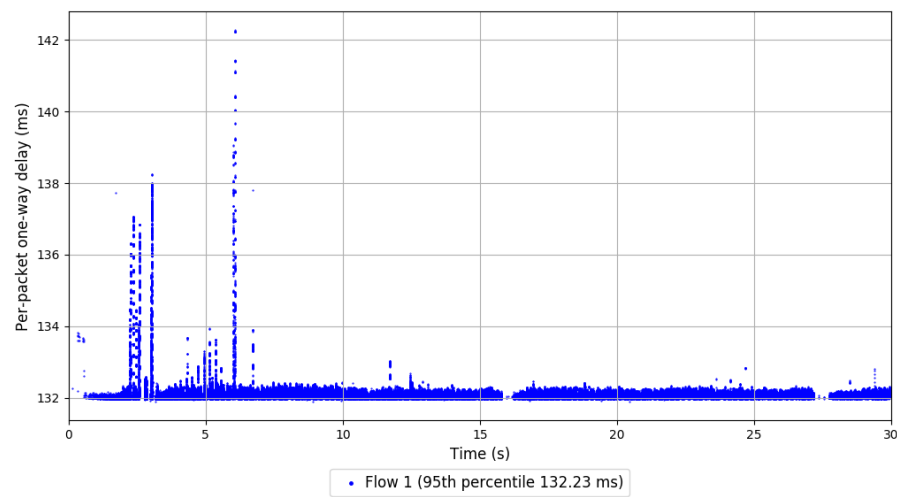
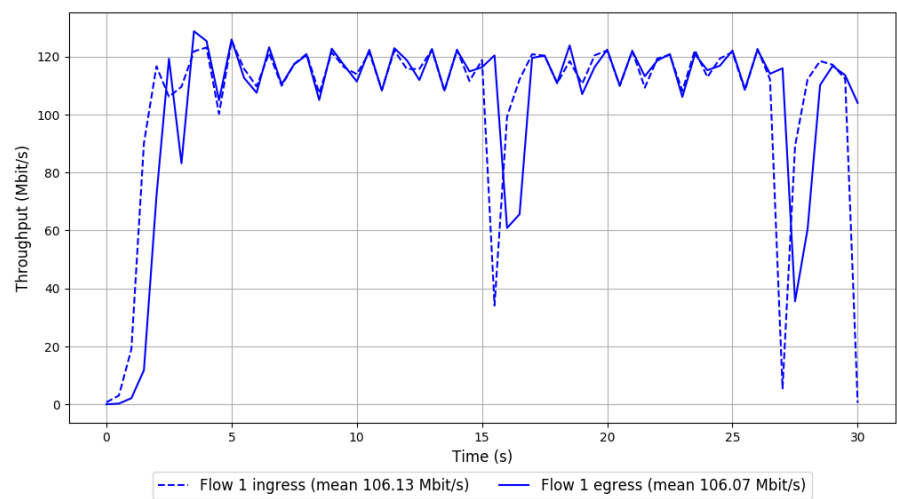


Run 9: Statistics of TCP BBR

Start at: 2018-08-01 20:07:53
End at: 2018-08-01 20:08:23
Local clock offset: -1.345 ms
Remote clock offset: -38.285 ms

Below is generated by plot.py at 2018-08-01 20:37:57
Datalink statistics
-- Total of 1 flow:
Average throughput: 106.07 Mbit/s
95th percentile per-packet one-way delay: 132.232 ms
Loss rate: 0.70%
-- Flow 1:
Average throughput: 106.07 Mbit/s
95th percentile per-packet one-way delay: 132.232 ms
Loss rate: 0.70%

Run 9: Report of TCP BBR — Data Link

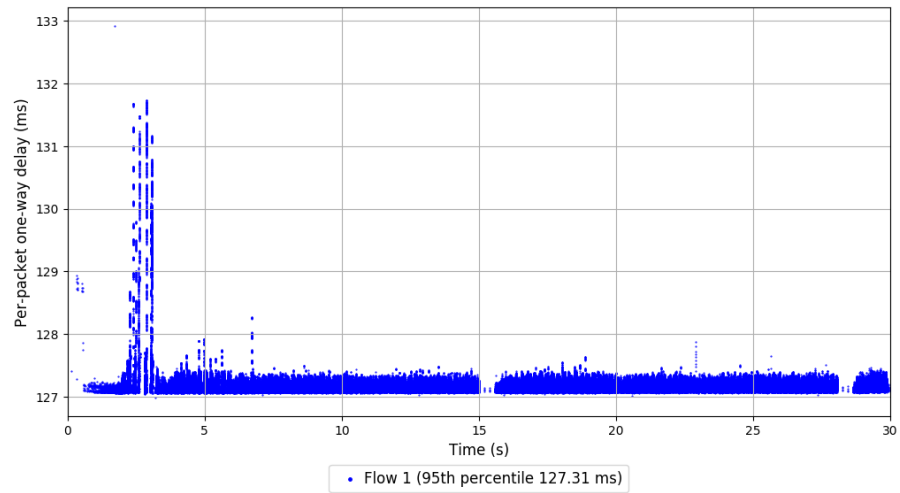
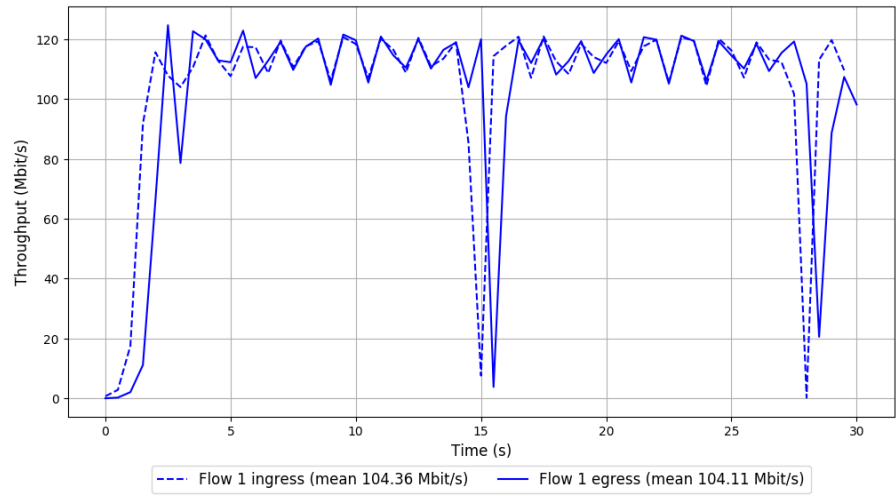


Run 10: Statistics of TCP BBR

Start at: 2018-08-01 20:29:59
End at: 2018-08-01 20:30:29
Local clock offset: -0.537 ms
Remote clock offset: -32.028 ms

Below is generated by plot.py at 2018-08-01 20:37:57
Datalink statistics
-- Total of 1 flow:
Average throughput: 104.11 Mbit/s
95th percentile per-packet one-way delay: 127.315 ms
Loss rate: 0.77%
-- Flow 1:
Average throughput: 104.11 Mbit/s
95th percentile per-packet one-way delay: 127.315 ms
Loss rate: 0.77%

Run 10: Report of TCP BBR — Data Link

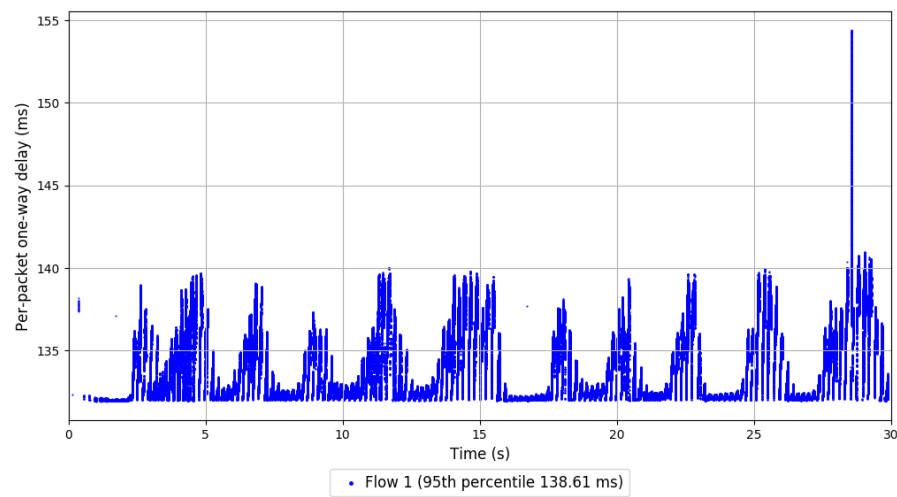
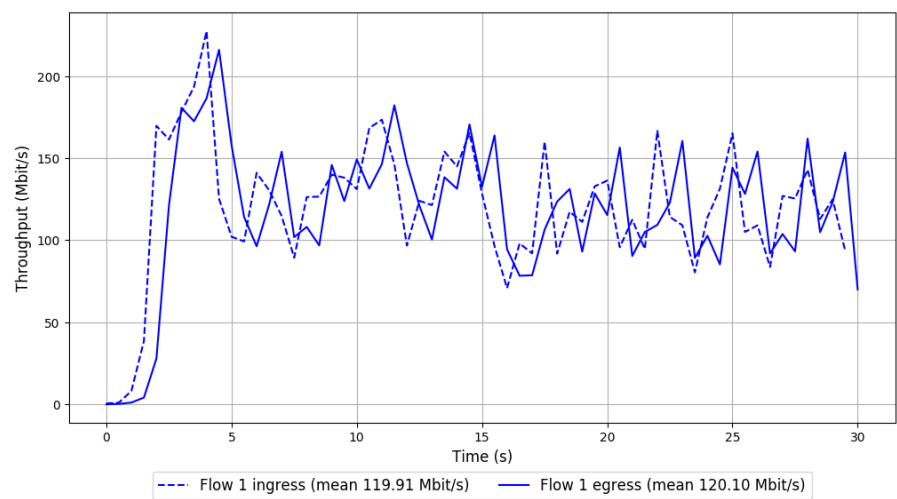


Run 1: Statistics of Copa

Start at: 2018-08-01 16:27:19
End at: 2018-08-01 16:27:49
Local clock offset: 2.967 ms
Remote clock offset: -36.736 ms

Below is generated by plot.py at 2018-08-01 20:39:21
Datalink statistics
-- Total of 1 flow:
Average throughput: 120.10 Mbit/s
95th percentile per-packet one-way delay: 138.612 ms
Loss rate: 0.49%
-- Flow 1:
Average throughput: 120.10 Mbit/s
95th percentile per-packet one-way delay: 138.612 ms
Loss rate: 0.49%

Run 1: Report of Copa — Data Link

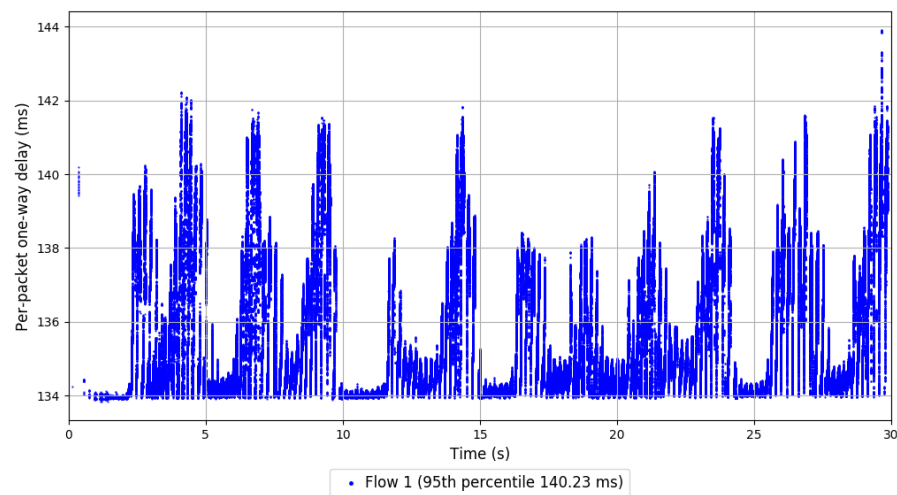
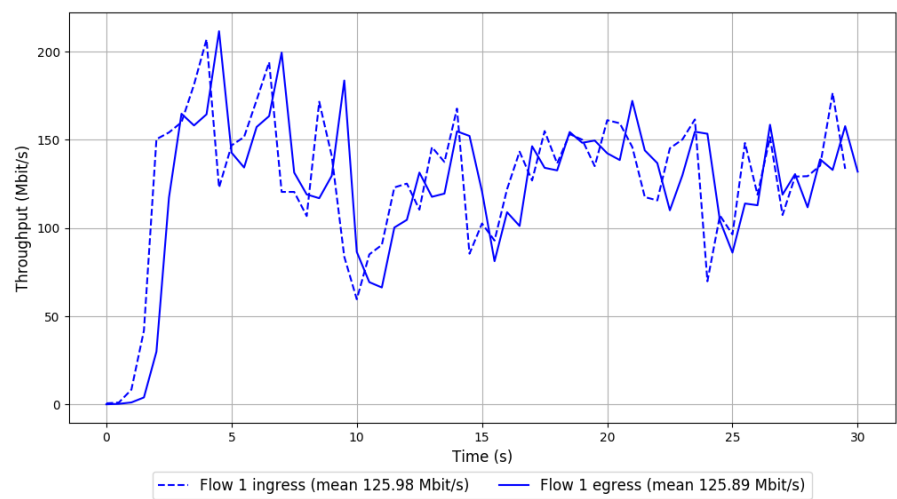


Run 2: Statistics of Copa

Start at: 2018-08-01 16:55:02
End at: 2018-08-01 16:55:32
Local clock offset: 2.098 ms
Remote clock offset: -40.675 ms

Below is generated by plot.py at 2018-08-01 20:39:26
Datalink statistics
-- Total of 1 flow:
Average throughput: 125.89 Mbit/s
95th percentile per-packet one-way delay: 140.228 ms
Loss rate: 0.72%
-- Flow 1:
Average throughput: 125.89 Mbit/s
95th percentile per-packet one-way delay: 140.228 ms
Loss rate: 0.72%

Run 2: Report of Copa — Data Link

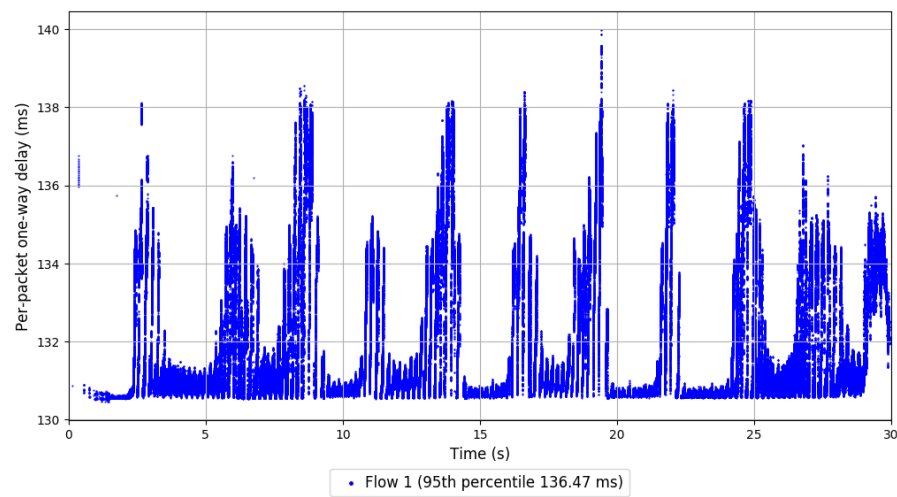
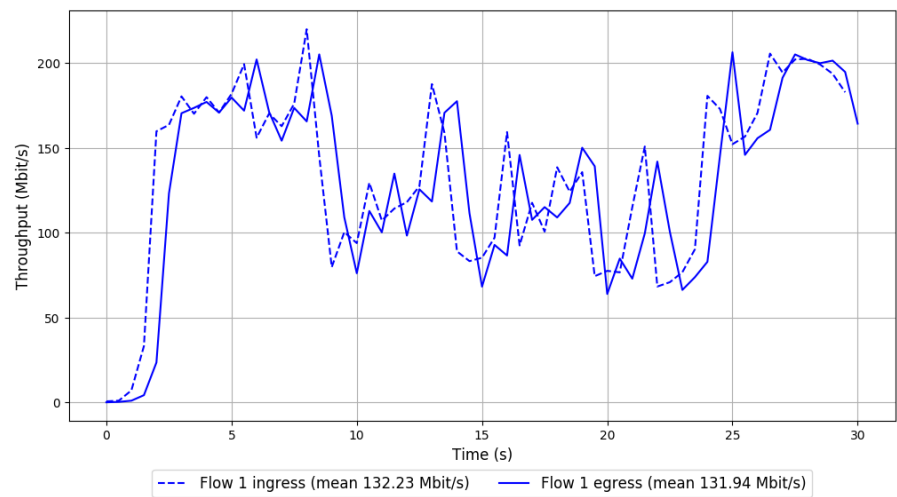


Run 3: Statistics of Copa

Start at: 2018-08-01 17:22:22
End at: 2018-08-01 17:22:52
Local clock offset: 0.76 ms
Remote clock offset: -36.086 ms

Below is generated by plot.py at 2018-08-01 20:39:36
Datalink statistics
-- Total of 1 flow:
Average throughput: 131.94 Mbit/s
95th percentile per-packet one-way delay: 136.469 ms
Loss rate: 0.87%
-- Flow 1:
Average throughput: 131.94 Mbit/s
95th percentile per-packet one-way delay: 136.469 ms
Loss rate: 0.87%

Run 3: Report of Copa — Data Link

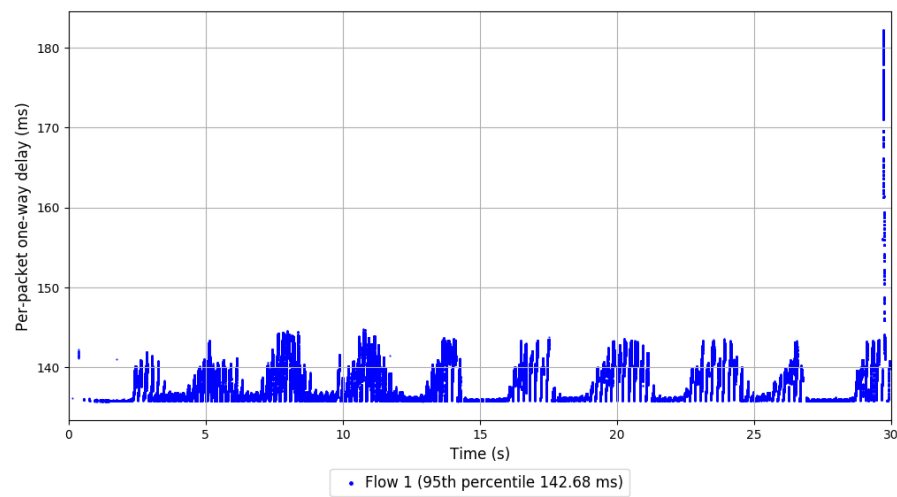
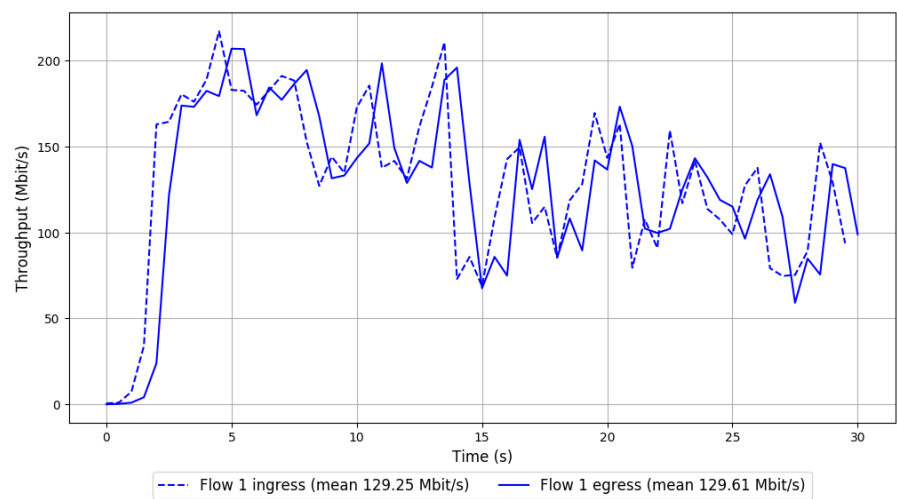


Run 4: Statistics of Copa

Start at: 2018-08-01 17:44:10
End at: 2018-08-01 17:44:40
Local clock offset: 2.375 ms
Remote clock offset: -38.86 ms

Below is generated by plot.py at 2018-08-01 20:39:36
Datalink statistics
-- Total of 1 flow:
Average throughput: 129.61 Mbit/s
95th percentile per-packet one-way delay: 142.681 ms
Loss rate: 0.38%
-- Flow 1:
Average throughput: 129.61 Mbit/s
95th percentile per-packet one-way delay: 142.681 ms
Loss rate: 0.38%

Run 4: Report of Copa — Data Link

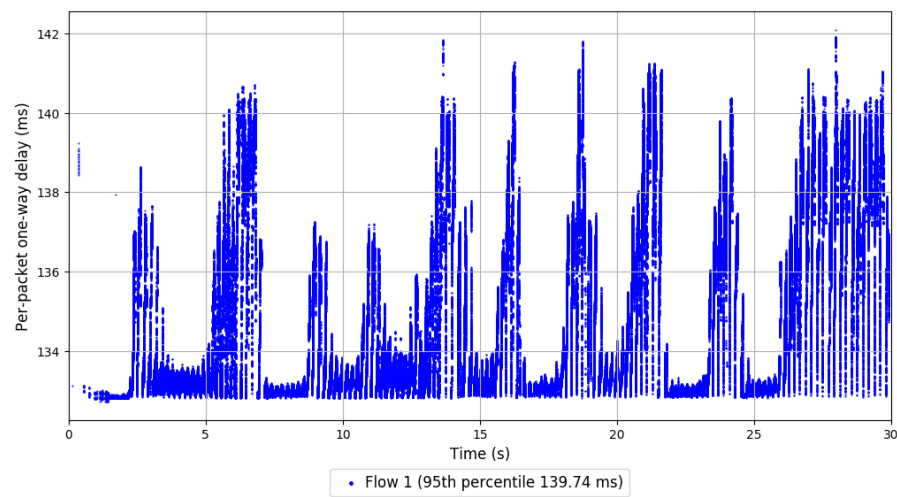
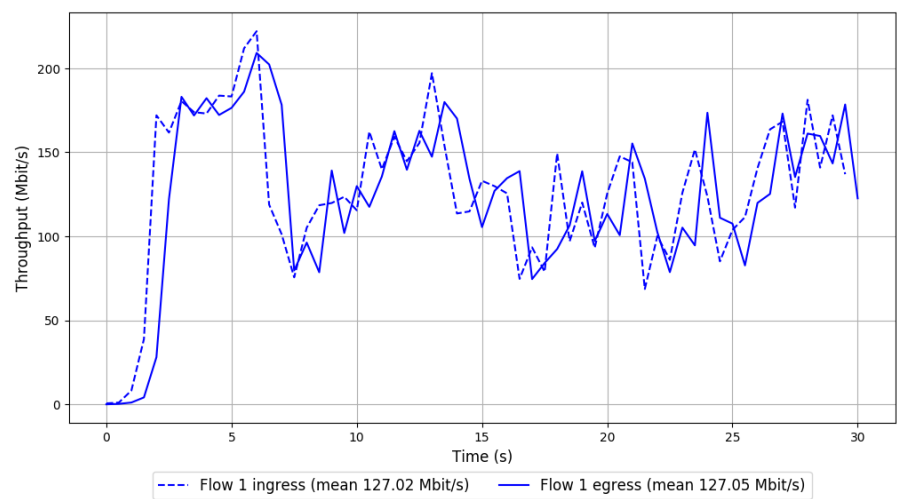


Run 5: Statistics of Copa

Start at: 2018-08-01 18:11:26
End at: 2018-08-01 18:11:56
Local clock offset: 2.191 ms
Remote clock offset: -35.692 ms

Below is generated by plot.py at 2018-08-01 20:39:36
Datalink statistics
-- Total of 1 flow:
Average throughput: 127.05 Mbit/s
95th percentile per-packet one-way delay: 139.744 ms
Loss rate: 0.65%
-- Flow 1:
Average throughput: 127.05 Mbit/s
95th percentile per-packet one-way delay: 139.744 ms
Loss rate: 0.65%

Run 5: Report of Copa — Data Link

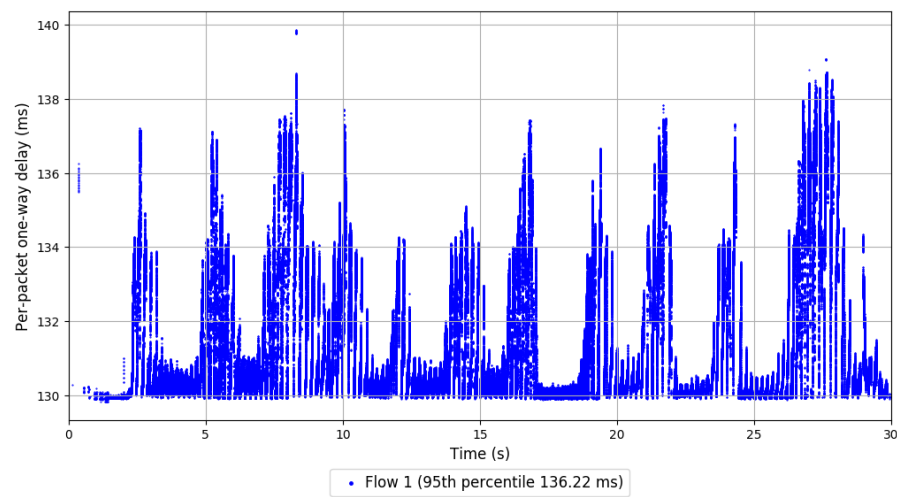
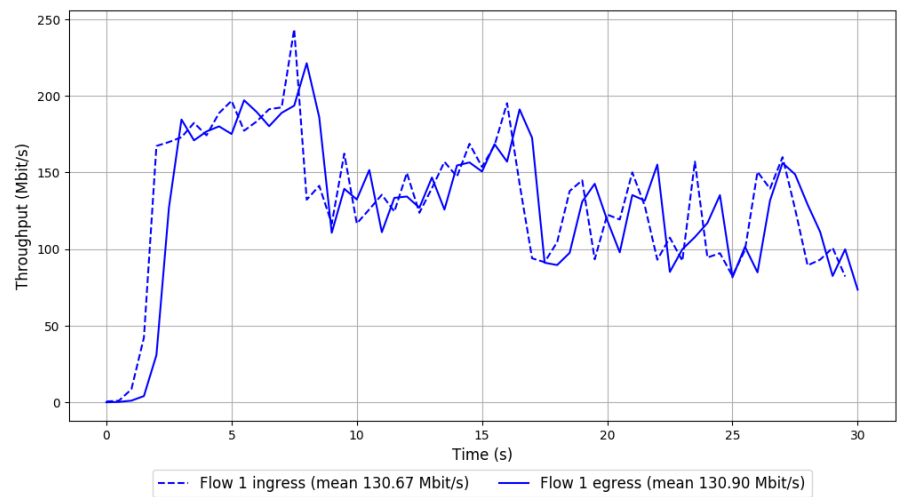


Run 6: Statistics of Copa

Start at: 2018-08-01 18:33:34
End at: 2018-08-01 18:34:04
Local clock offset: 3.079 ms
Remote clock offset: -33.732 ms

Below is generated by plot.py at 2018-08-01 20:39:36
Datalink statistics
-- Total of 1 flow:
Average throughput: 130.90 Mbit/s
95th percentile per-packet one-way delay: 136.223 ms
Loss rate: 0.47%
-- Flow 1:
Average throughput: 130.90 Mbit/s
95th percentile per-packet one-way delay: 136.223 ms
Loss rate: 0.47%

Run 6: Report of Copa — Data Link

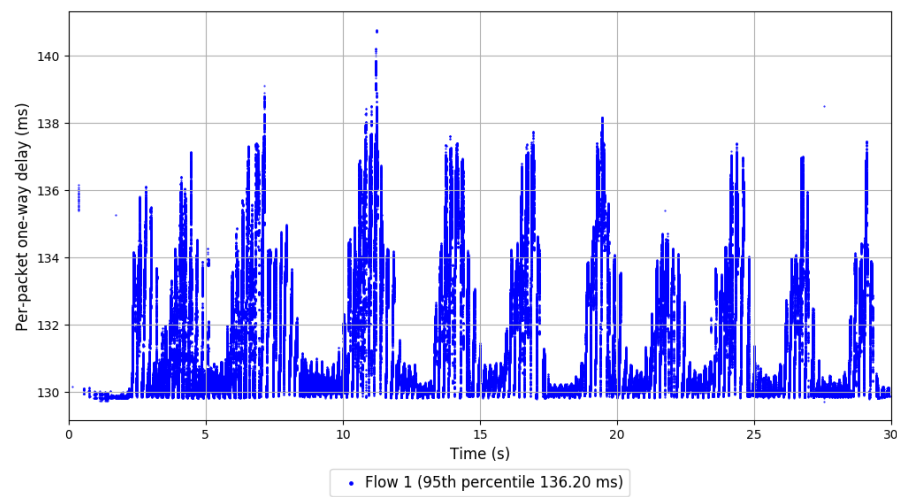
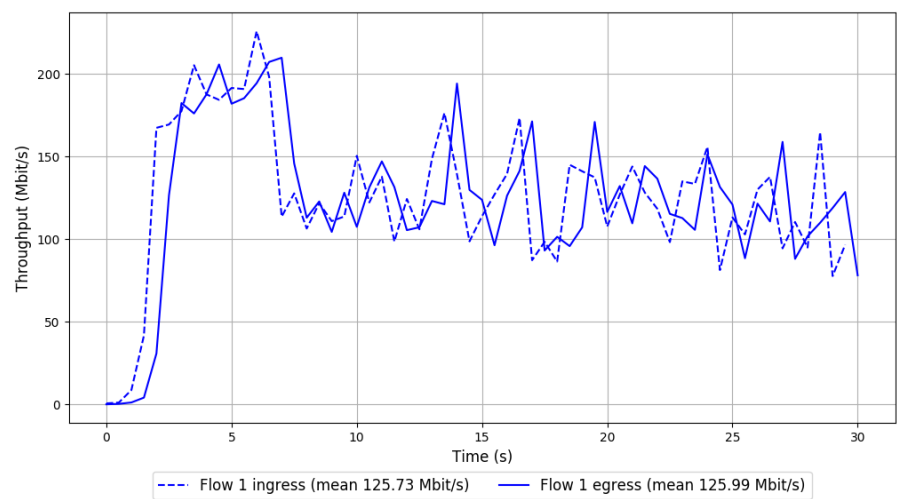


Run 7: Statistics of Copa

Start at: 2018-08-01 19:07:01
End at: 2018-08-01 19:07:31
Local clock offset: 0.918 ms
Remote clock offset: -35.909 ms

Below is generated by plot.py at 2018-08-01 20:40:37
Datalink statistics
-- Total of 1 flow:
Average throughput: 125.99 Mbit/s
95th percentile per-packet one-way delay: 136.204 ms
Loss rate: 0.43%
-- Flow 1:
Average throughput: 125.99 Mbit/s
95th percentile per-packet one-way delay: 136.204 ms
Loss rate: 0.43%

Run 7: Report of Copa — Data Link

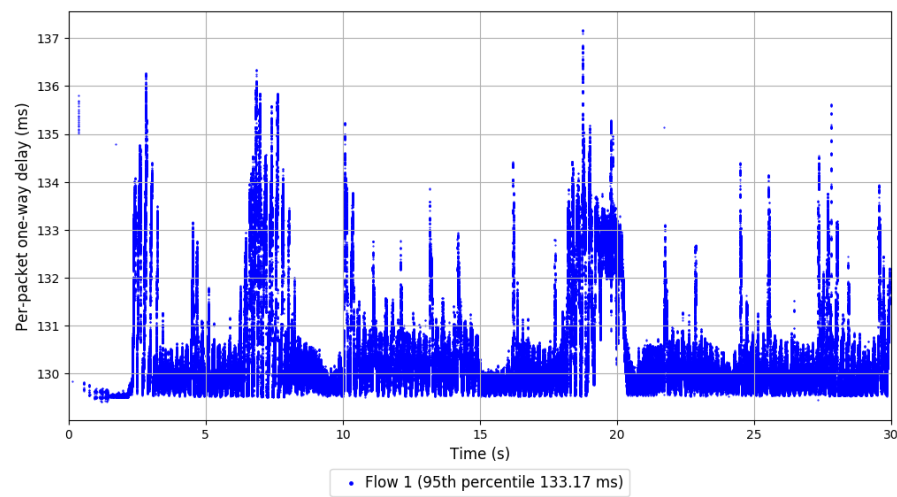
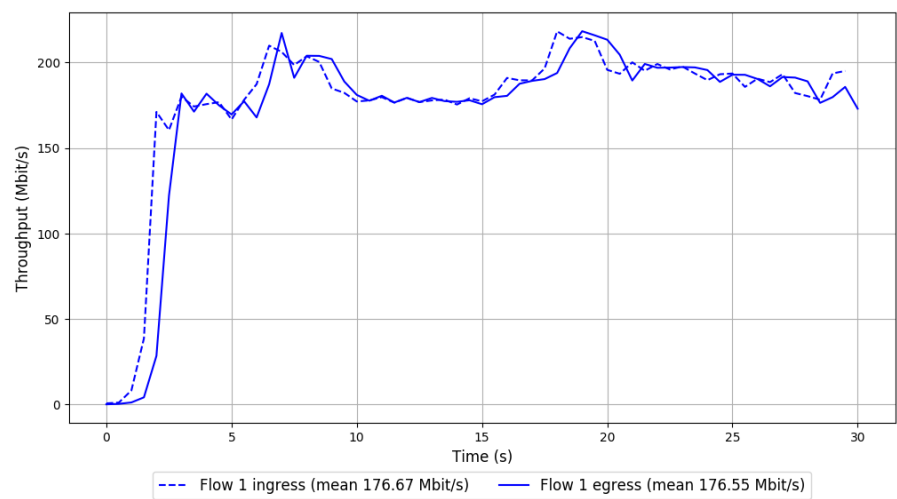


Run 8: Statistics of Copa

Start at: 2018-08-01 19:28:59
End at: 2018-08-01 19:29:29
Local clock offset: 0.7 ms
Remote clock offset: -33.871 ms

Below is generated by plot.py at 2018-08-01 20:41:45
Datalink statistics
-- Total of 1 flow:
Average throughput: 176.55 Mbit/s
95th percentile per-packet one-way delay: 133.169 ms
Loss rate: 0.71%
-- Flow 1:
Average throughput: 176.55 Mbit/s
95th percentile per-packet one-way delay: 133.169 ms
Loss rate: 0.71%

Run 8: Report of Copa — Data Link

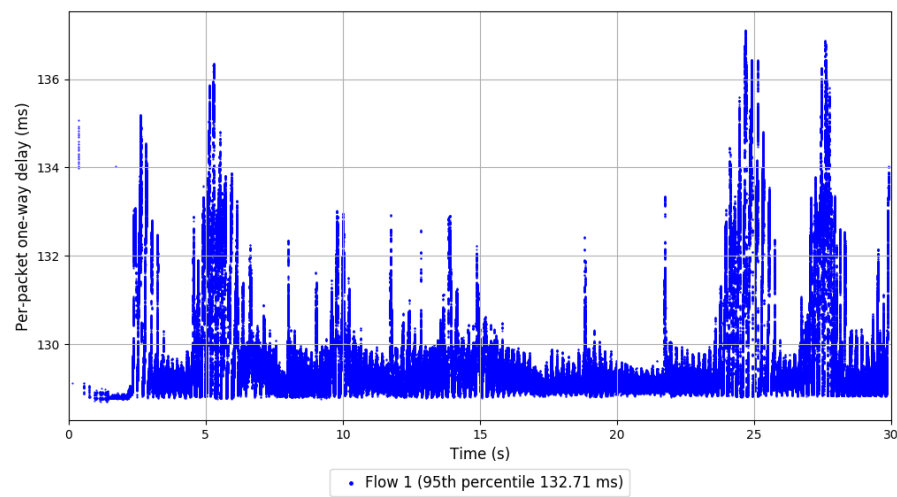
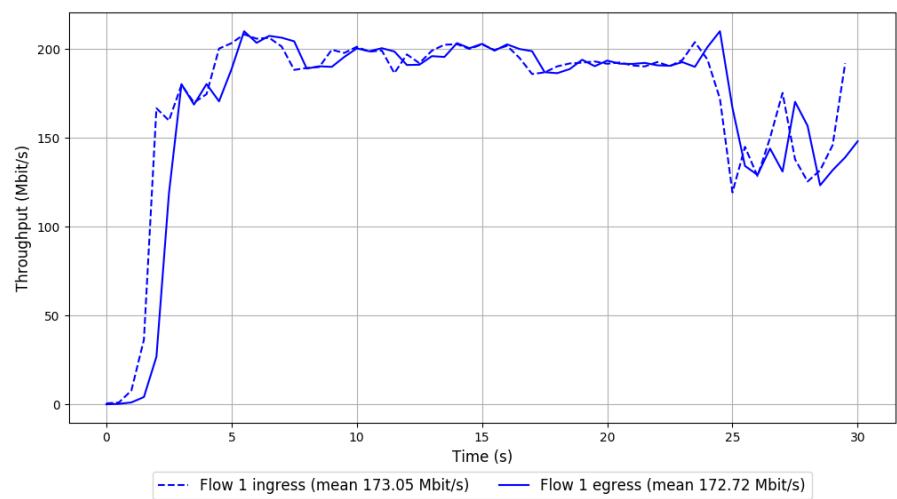


Run 9: Statistics of Copa

Start at: 2018-08-01 19:56:24
End at: 2018-08-01 19:56:54
Local clock offset: -0.492 ms
Remote clock offset: -34.941 ms

Below is generated by plot.py at 2018-08-01 20:42:42
Datalink statistics
-- Total of 1 flow:
Average throughput: 172.72 Mbit/s
95th percentile per-packet one-way delay: 132.708 ms
Loss rate: 0.84%
-- Flow 1:
Average throughput: 172.72 Mbit/s
95th percentile per-packet one-way delay: 132.708 ms
Loss rate: 0.84%

Run 9: Report of Copa — Data Link

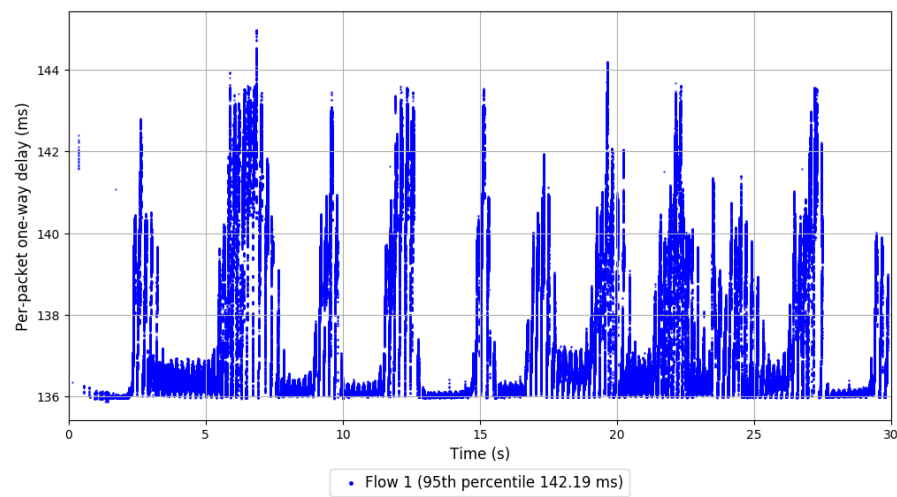
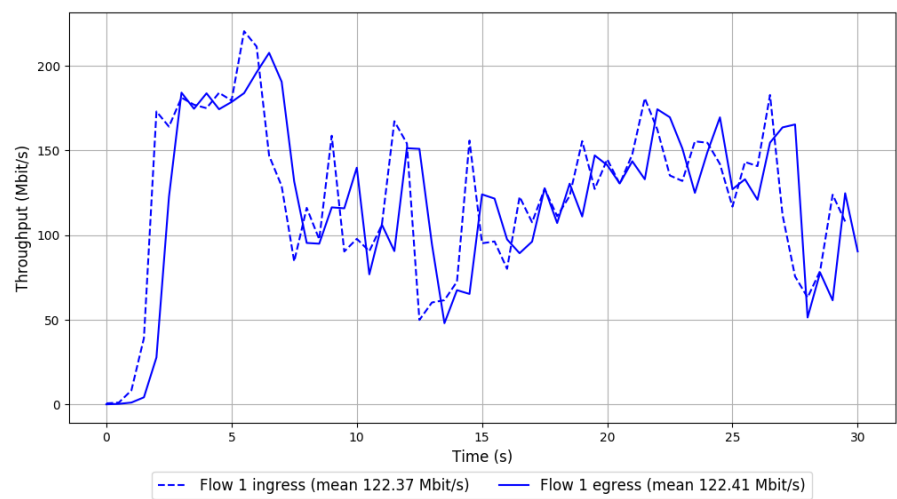


Run 10: Statistics of Copa

Start at: 2018-08-01 20:18:07
End at: 2018-08-01 20:18:37
Local clock offset: 0.714 ms
Remote clock offset: -38.389 ms

Below is generated by plot.py at 2018-08-01 20:42:42
Datalink statistics
-- Total of 1 flow:
Average throughput: 122.41 Mbit/s
95th percentile per-packet one-way delay: 142.188 ms
Loss rate: 0.62%
-- Flow 1:
Average throughput: 122.41 Mbit/s
95th percentile per-packet one-way delay: 142.188 ms
Loss rate: 0.62%

Run 10: Report of Copa — Data Link

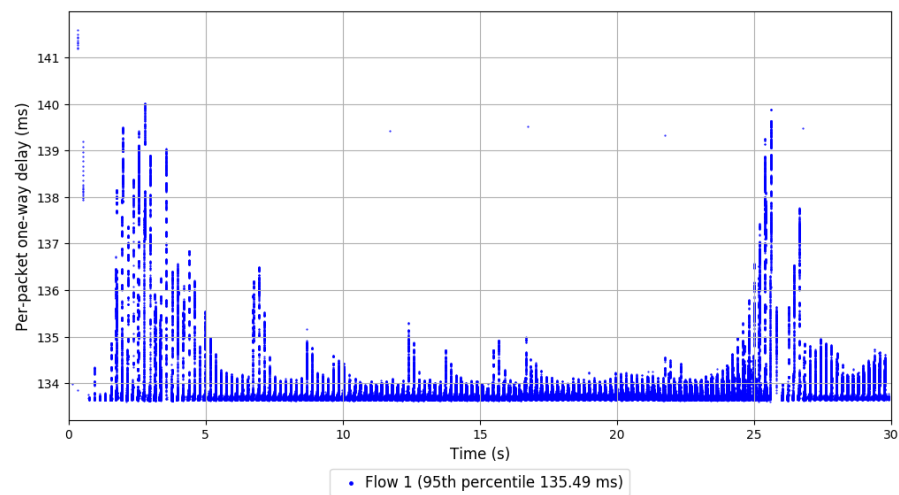
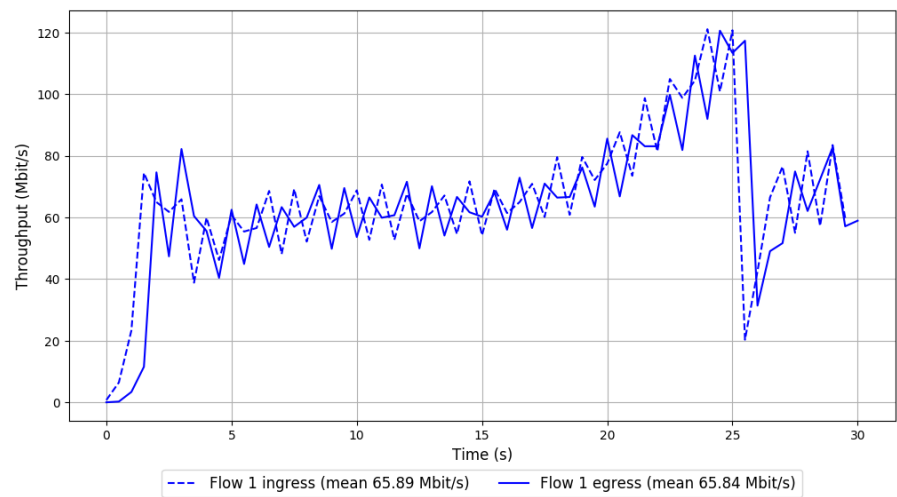


Run 1: Statistics of TCP Cubic

Start at: 2018-08-01 16:36:27
End at: 2018-08-01 16:36:57
Local clock offset: 2.21 ms
Remote clock offset: -40.705 ms

Below is generated by plot.py at 2018-08-01 20:42:42
Datalink statistics
-- Total of 1 flow:
Average throughput: 65.84 Mbit/s
95th percentile per-packet one-way delay: 135.489 ms
Loss rate: 0.73%
-- Flow 1:
Average throughput: 65.84 Mbit/s
95th percentile per-packet one-way delay: 135.489 ms
Loss rate: 0.73%

Run 1: Report of TCP Cubic — Data Link

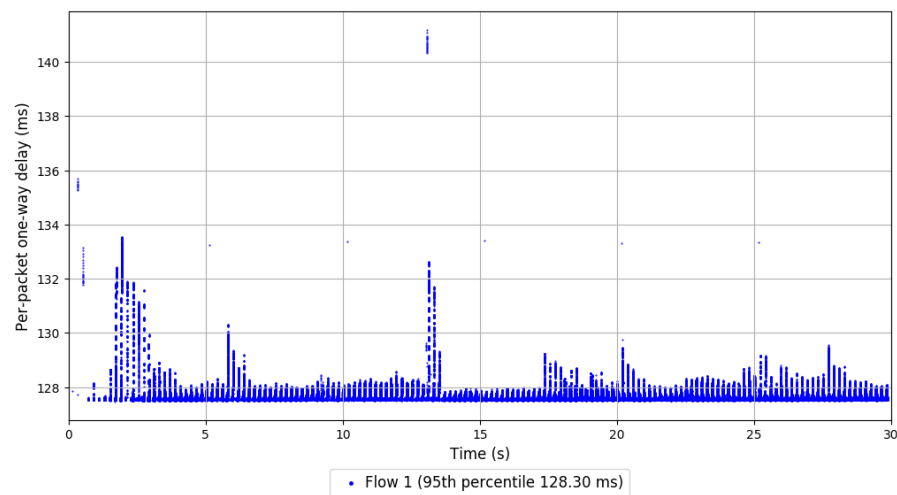
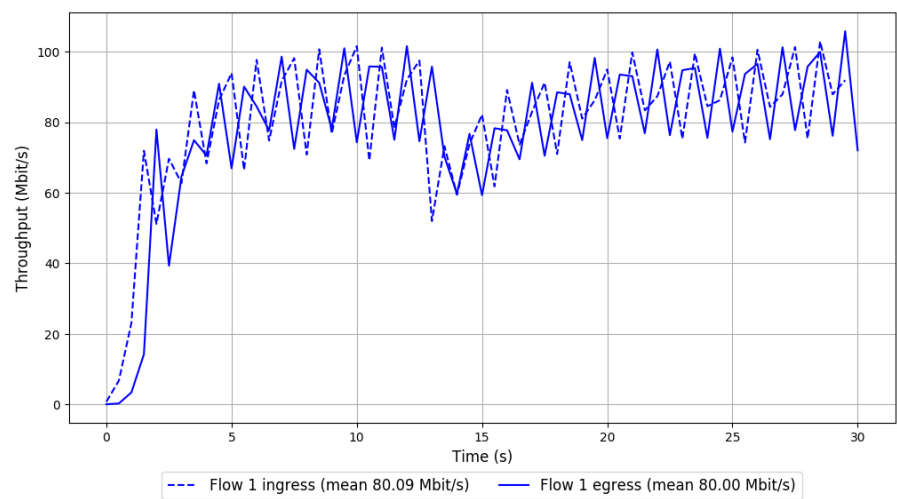


Run 2: Statistics of TCP Cubic

Start at: 2018-08-01 17:03:54
End at: 2018-08-01 17:04:24
Local clock offset: 0.014 ms
Remote clock offset: -35.942 ms

Below is generated by plot.py at 2018-08-01 20:42:42
Datalink statistics
-- Total of 1 flow:
Average throughput: 80.00 Mbit/s
95th percentile per-packet one-way delay: 128.304 ms
Loss rate: 0.76%
-- Flow 1:
Average throughput: 80.00 Mbit/s
95th percentile per-packet one-way delay: 128.304 ms
Loss rate: 0.76%

Run 2: Report of TCP Cubic — Data Link

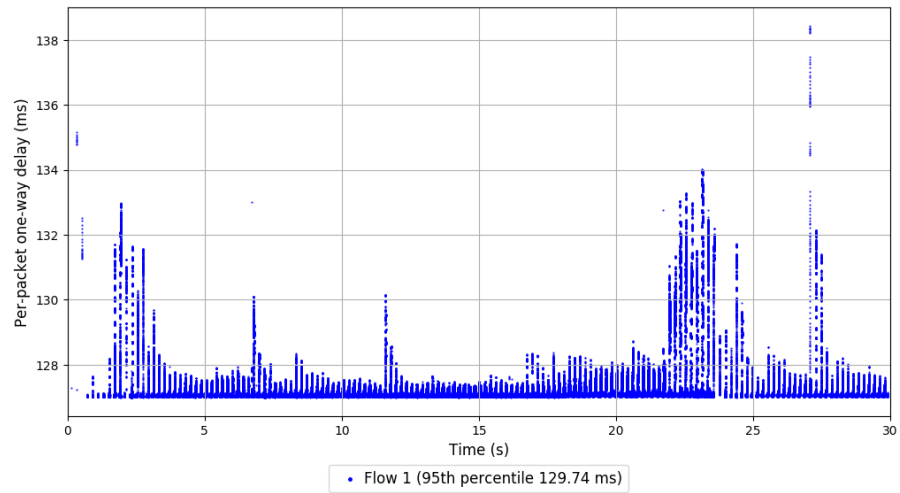
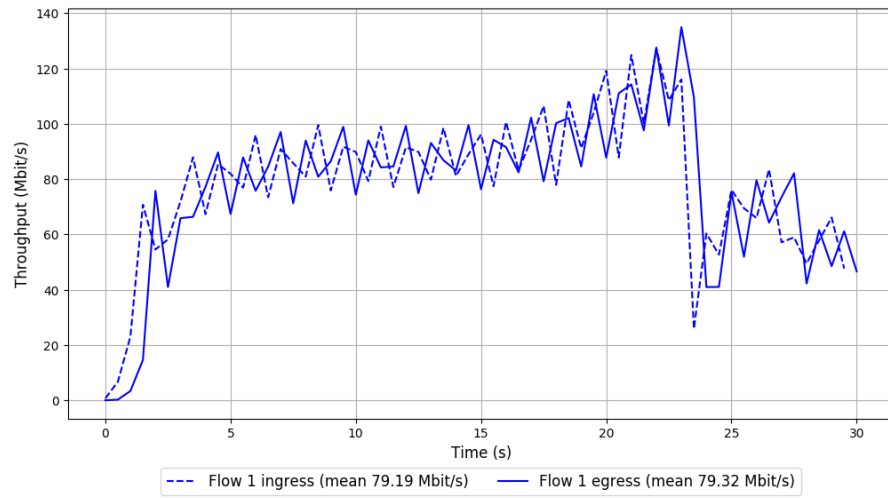


Run 3: Statistics of TCP Cubic

Start at: 2018-08-01 17:31:13
End at: 2018-08-01 17:31:43
Local clock offset: 0.493 ms
Remote clock offset: -34.002 ms

Below is generated by plot.py at 2018-08-01 20:42:42
Datalink statistics
-- Total of 1 flow:
Average throughput: 79.32 Mbit/s
95th percentile per-packet one-way delay: 129.738 ms
Loss rate: 0.48%
-- Flow 1:
Average throughput: 79.32 Mbit/s
95th percentile per-packet one-way delay: 129.738 ms
Loss rate: 0.48%

Run 3: Report of TCP Cubic — Data Link

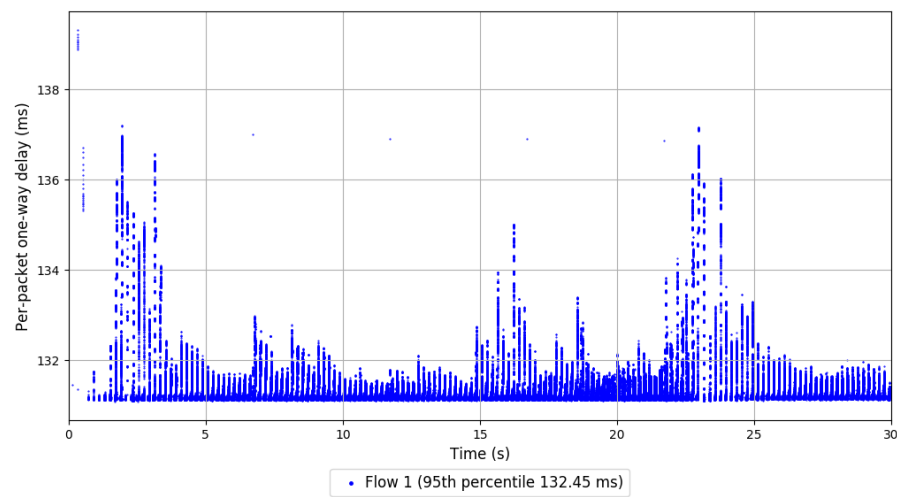
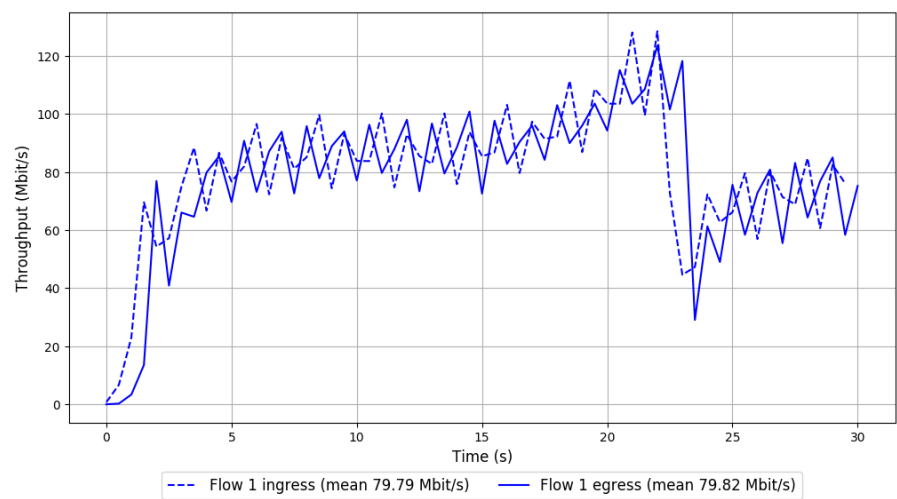


Run 4: Statistics of TCP Cubic

Start at: 2018-08-01 17:58:36
End at: 2018-08-01 17:59:06
Local clock offset: -0.946 ms
Remote clock offset: -38.926 ms

Below is generated by plot.py at 2018-08-01 20:42:42
Datalink statistics
-- Total of 1 flow:
Average throughput: 79.82 Mbit/s
95th percentile per-packet one-way delay: 132.448 ms
Loss rate: 0.60%
-- Flow 1:
Average throughput: 79.82 Mbit/s
95th percentile per-packet one-way delay: 132.448 ms
Loss rate: 0.60%

Run 4: Report of TCP Cubic — Data Link

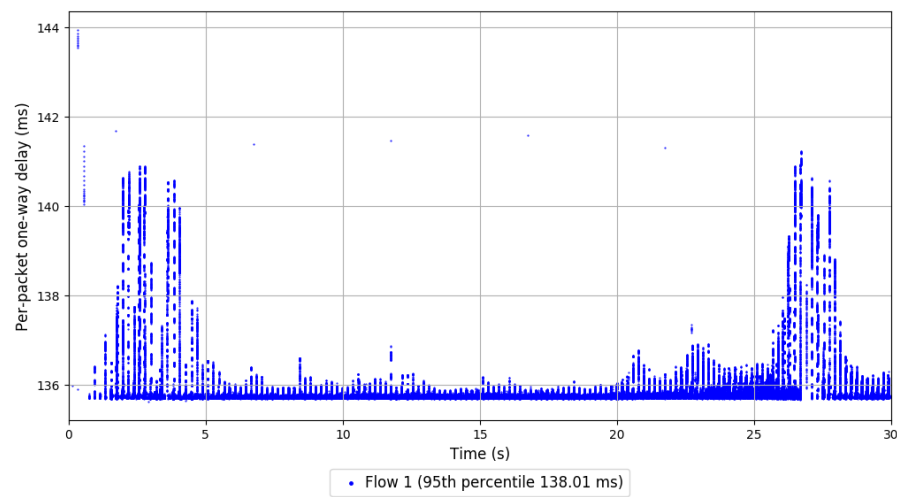
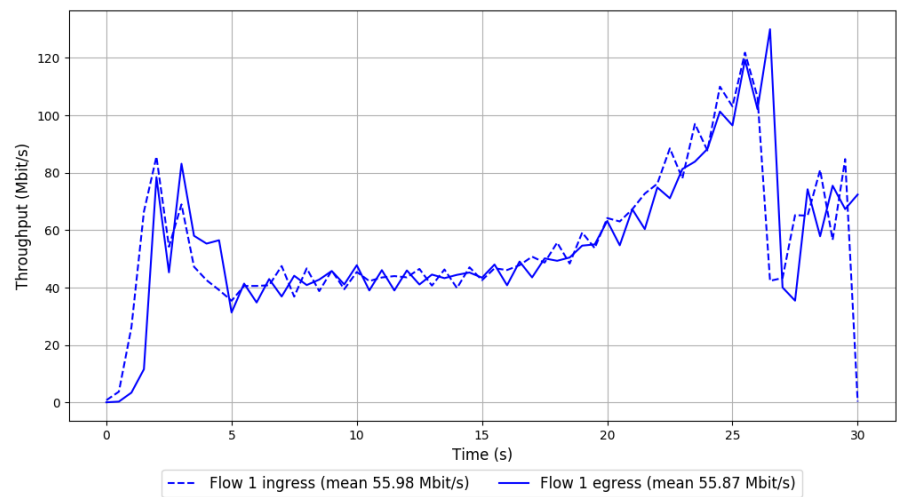


Run 5: Statistics of TCP Cubic

Start at: 2018-08-01 18:20:35
End at: 2018-08-01 18:21:05
Local clock offset: 0.855 ms
Remote clock offset: -39.713 ms

Below is generated by plot.py at 2018-08-01 20:42:42
Datalink statistics
-- Total of 1 flow:
Average throughput: 55.87 Mbit/s
95th percentile per-packet one-way delay: 138.012 ms
Loss rate: 0.85%
-- Flow 1:
Average throughput: 55.87 Mbit/s
95th percentile per-packet one-way delay: 138.012 ms
Loss rate: 0.85%

Run 5: Report of TCP Cubic — Data Link

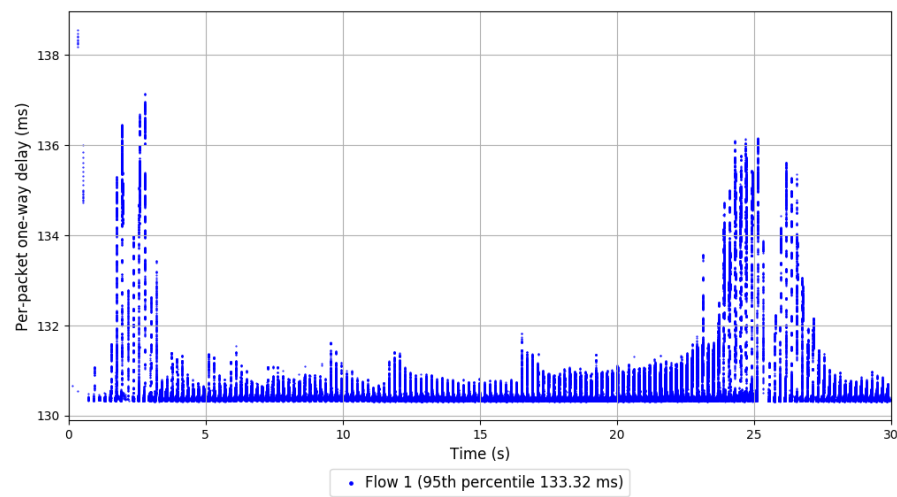
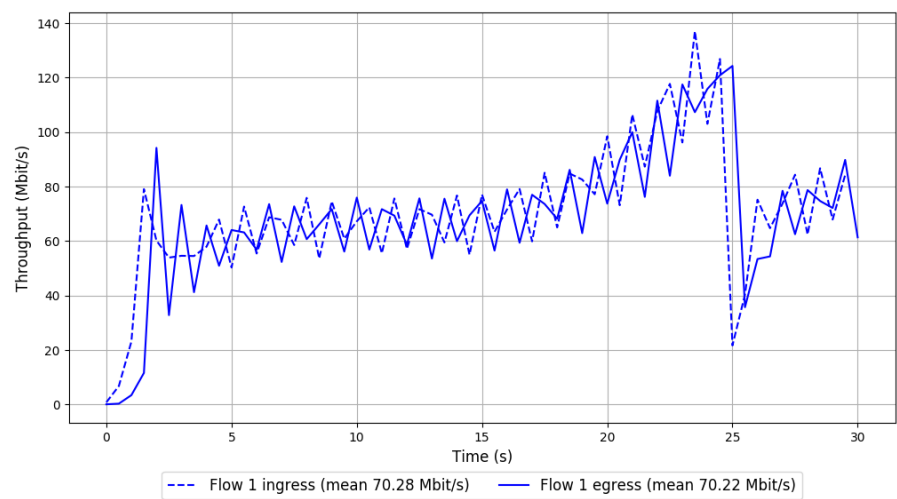


Run 6: Statistics of TCP Cubic

Start at: 2018-08-01 18:48:22
End at: 2018-08-01 18:48:52
Local clock offset: 2.157 ms
Remote clock offset: -33.748 ms

Below is generated by plot.py at 2018-08-01 20:42:42
Datalink statistics
-- Total of 1 flow:
Average throughput: 70.22 Mbit/s
95th percentile per-packet one-way delay: 133.325 ms
Loss rate: 0.72%
-- Flow 1:
Average throughput: 70.22 Mbit/s
95th percentile per-packet one-way delay: 133.325 ms
Loss rate: 0.72%

Run 6: Report of TCP Cubic — Data Link

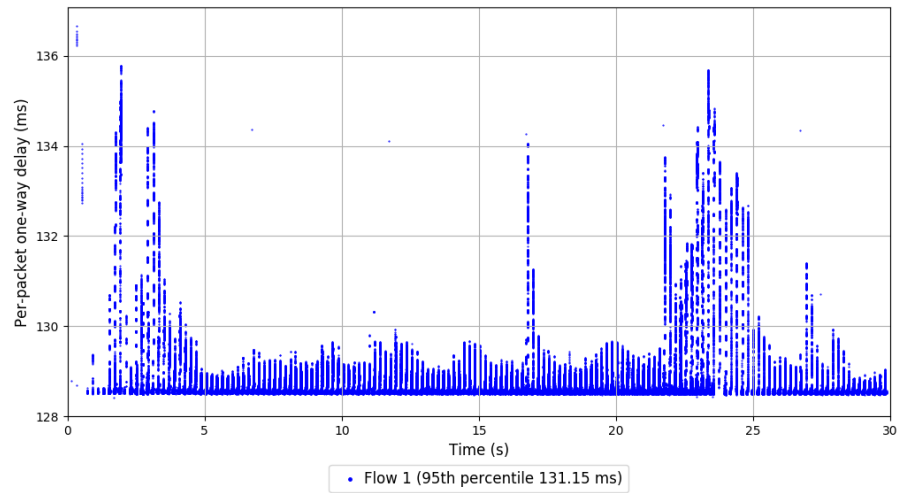
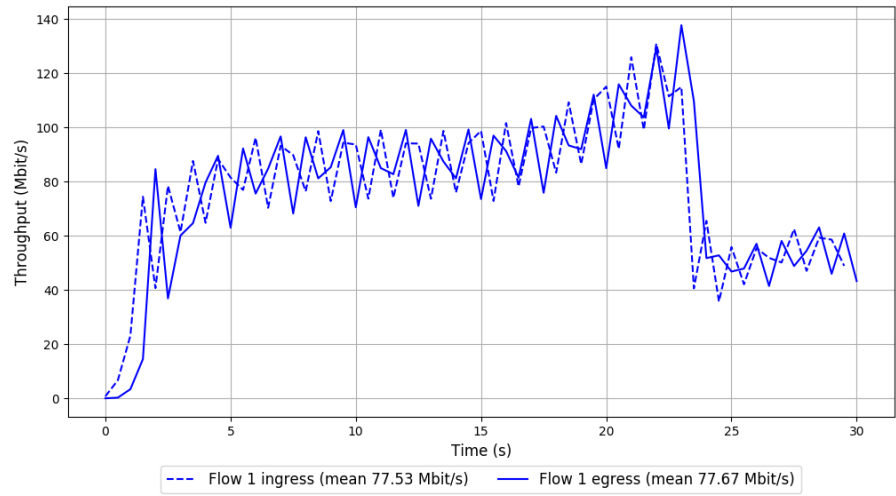


Run 7: Statistics of TCP Cubic

Start at: 2018-08-01 19:16:02
End at: 2018-08-01 19:16:32
Local clock offset: -0.253 ms
Remote clock offset: -35.835 ms

Below is generated by plot.py at 2018-08-01 20:42:42
Datalink statistics
-- Total of 1 flow:
Average throughput: 77.67 Mbit/s
95th percentile per-packet one-way delay: 131.154 ms
Loss rate: 0.46%
-- Flow 1:
Average throughput: 77.67 Mbit/s
95th percentile per-packet one-way delay: 131.154 ms
Loss rate: 0.46%

Run 7: Report of TCP Cubic — Data Link

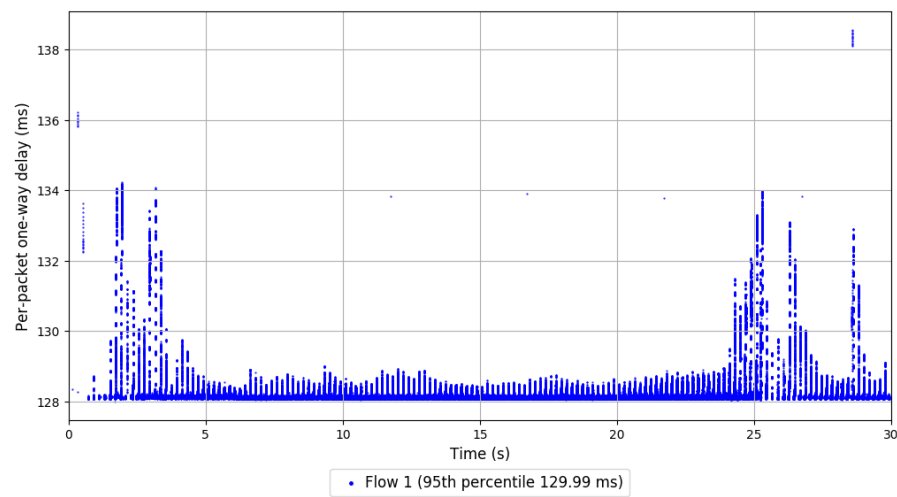
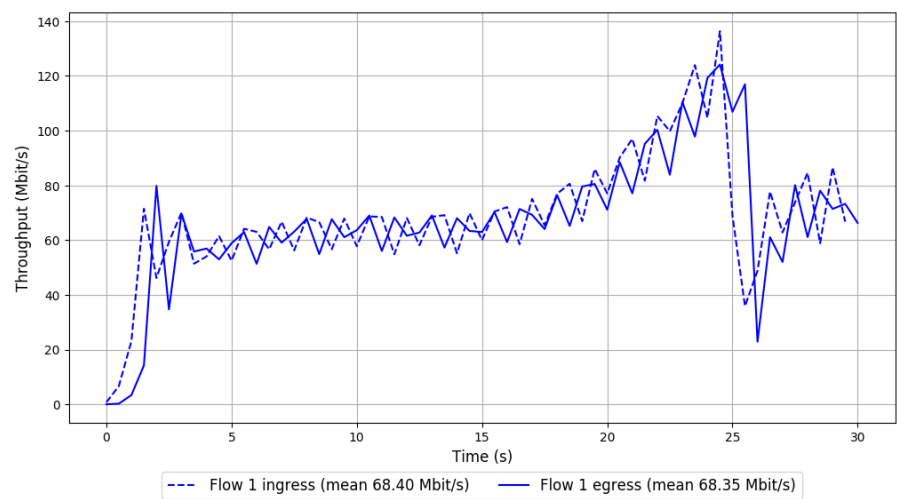


Run 8: Statistics of TCP Cubic

Start at: 2018-08-01 19:43:31
End at: 2018-08-01 19:44:01
Local clock offset: 0.556 ms
Remote clock offset: -33.945 ms

Below is generated by plot.py at 2018-08-01 20:42:42
Datalink statistics
-- Total of 1 flow:
Average throughput: 68.35 Mbit/s
95th percentile per-packet one-way delay: 129.989 ms
Loss rate: 0.72%
-- Flow 1:
Average throughput: 68.35 Mbit/s
95th percentile per-packet one-way delay: 129.989 ms
Loss rate: 0.72%

Run 8: Report of TCP Cubic — Data Link

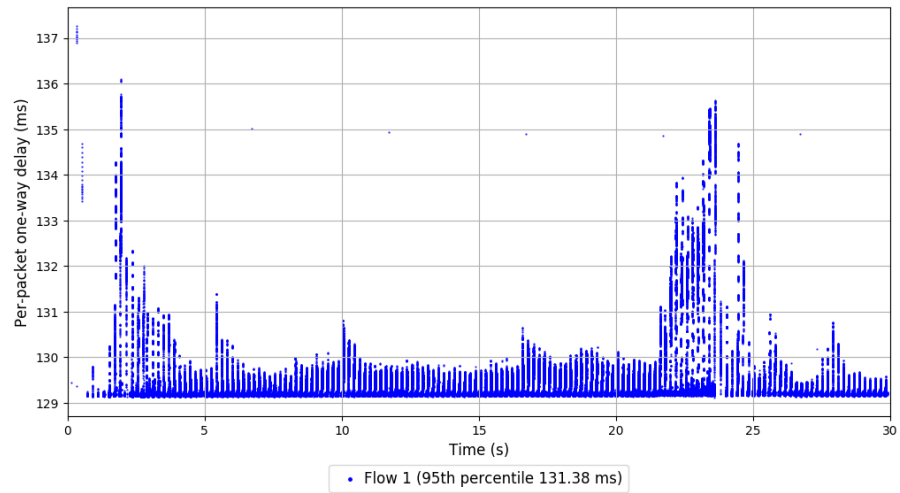
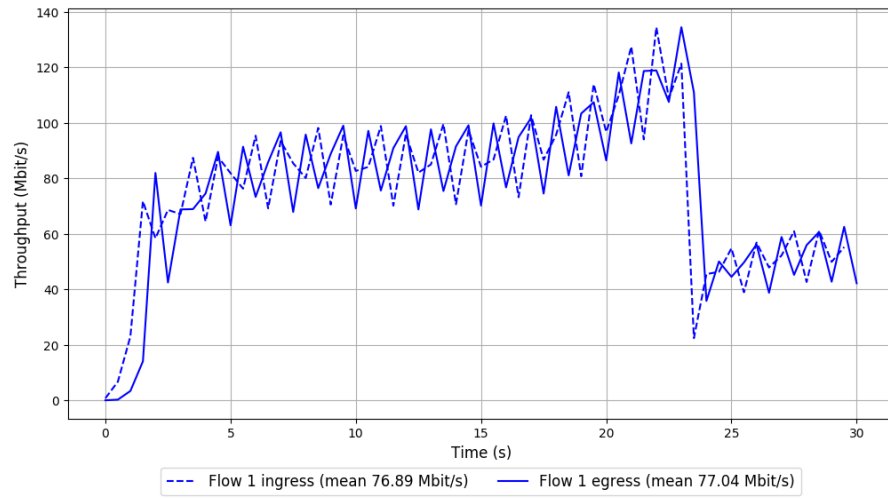


Run 9: Statistics of TCP Cubic

Start at: 2018-08-01 20:05:19
End at: 2018-08-01 20:05:49
Local clock offset: 0.323 ms
Remote clock offset: -33.906 ms

Below is generated by plot.py at 2018-08-01 20:42:42
Datalink statistics
-- Total of 1 flow:
Average throughput: 77.04 Mbit/s
95th percentile per-packet one-way delay: 131.385 ms
Loss rate: 0.46%
-- Flow 1:
Average throughput: 77.04 Mbit/s
95th percentile per-packet one-way delay: 131.385 ms
Loss rate: 0.46%

Run 9: Report of TCP Cubic — Data Link

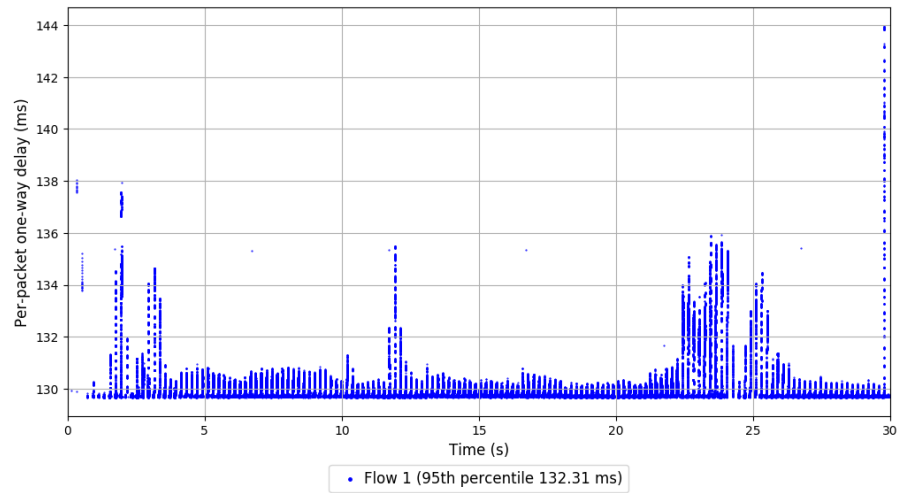
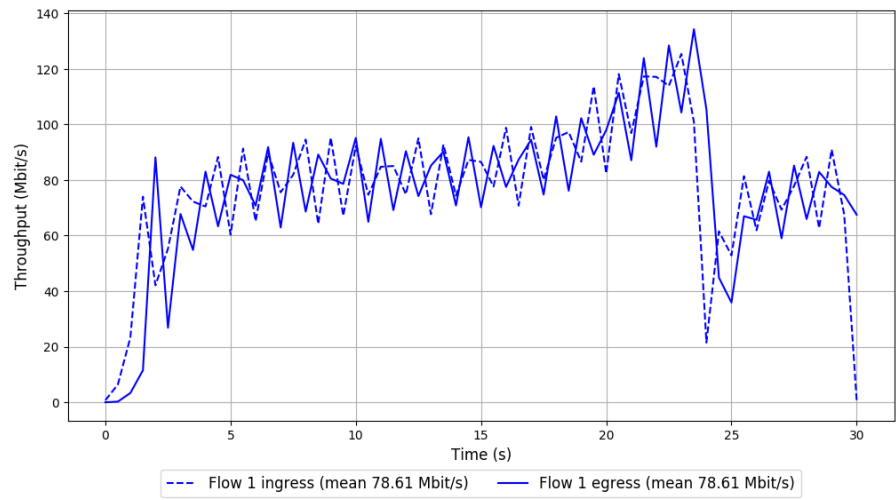


Run 10: Statistics of TCP Cubic

Start at: 2018-08-01 20:27:18
End at: 2018-08-01 20:27:48
Local clock offset: -1.929 ms
Remote clock offset: -36.067 ms

Below is generated by plot.py at 2018-08-01 20:42:42
Datalink statistics
-- Total of 1 flow:
Average throughput: 78.61 Mbit/s
95th percentile per-packet one-way delay: 132.306 ms
Loss rate: 0.65%
-- Flow 1:
Average throughput: 78.61 Mbit/s
95th percentile per-packet one-way delay: 132.306 ms
Loss rate: 0.65%

Run 10: Report of TCP Cubic — Data Link

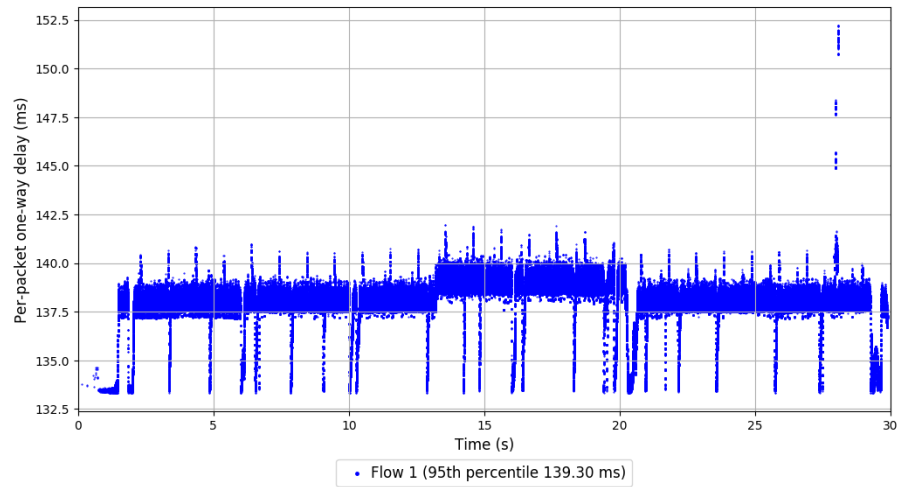
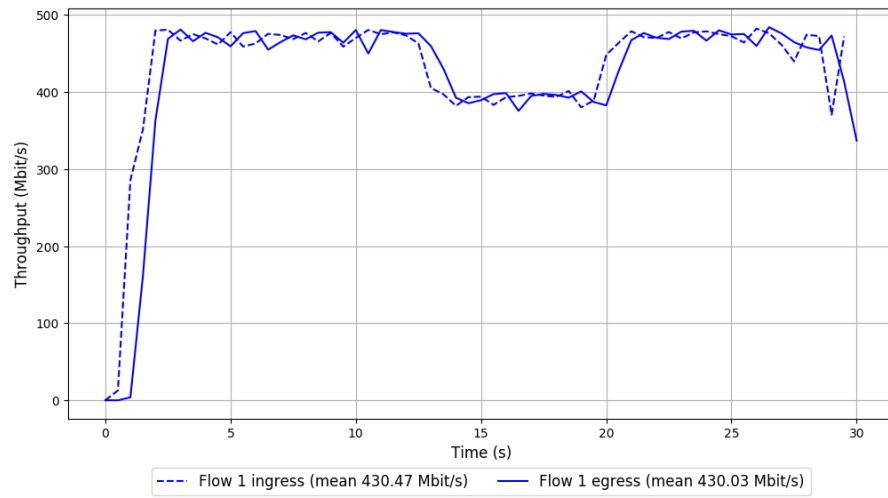


Run 1: Statistics of FillP

Start at: 2018-08-01 16:37:40
End at: 2018-08-01 16:38:10
Local clock offset: 1.909 ms
Remote clock offset: -40.818 ms

Below is generated by plot.py at 2018-08-01 20:46:55
Datalink statistics
-- Total of 1 flow:
Average throughput: 430.03 Mbit/s
95th percentile per-packet one-way delay: 139.301 ms
Loss rate: 0.86%
-- Flow 1:
Average throughput: 430.03 Mbit/s
95th percentile per-packet one-way delay: 139.301 ms
Loss rate: 0.86%

Run 1: Report of FillP — Data Link

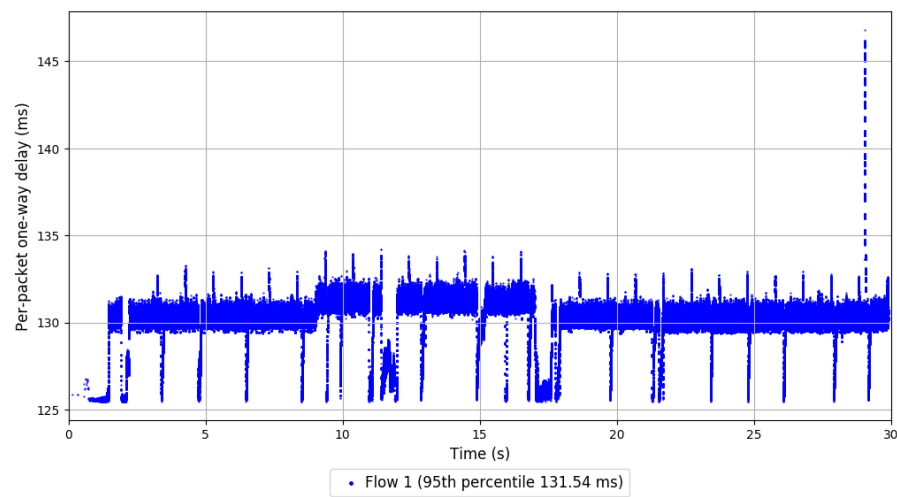
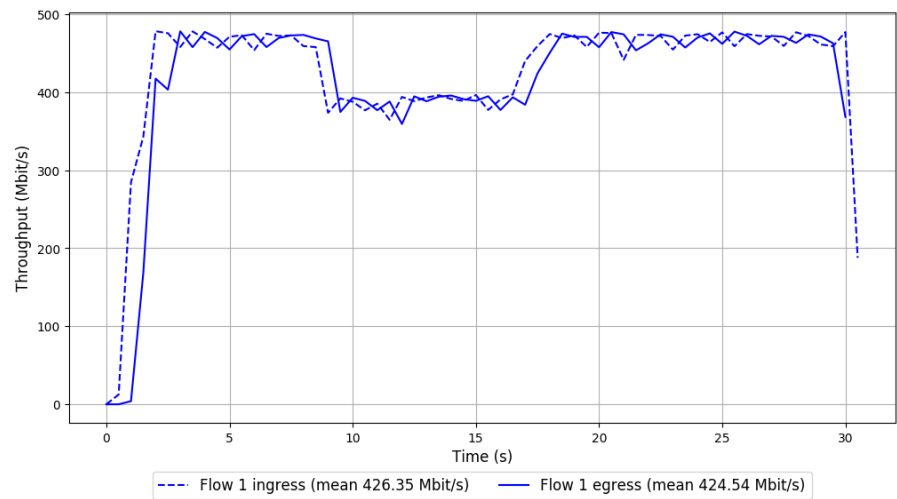


Run 2: Statistics of FillP

Start at: 2018-08-01 17:05:08
End at: 2018-08-01 17:05:38
Local clock offset: -0.119 ms
Remote clock offset: -34.04 ms

Below is generated by plot.py at 2018-08-01 20:46:55
Datalink statistics
-- Total of 1 flow:
Average throughput: 424.54 Mbit/s
95th percentile per-packet one-way delay: 131.542 ms
Loss rate: 3.41%
-- Flow 1:
Average throughput: 424.54 Mbit/s
95th percentile per-packet one-way delay: 131.542 ms
Loss rate: 3.41%

Run 2: Report of FillP — Data Link

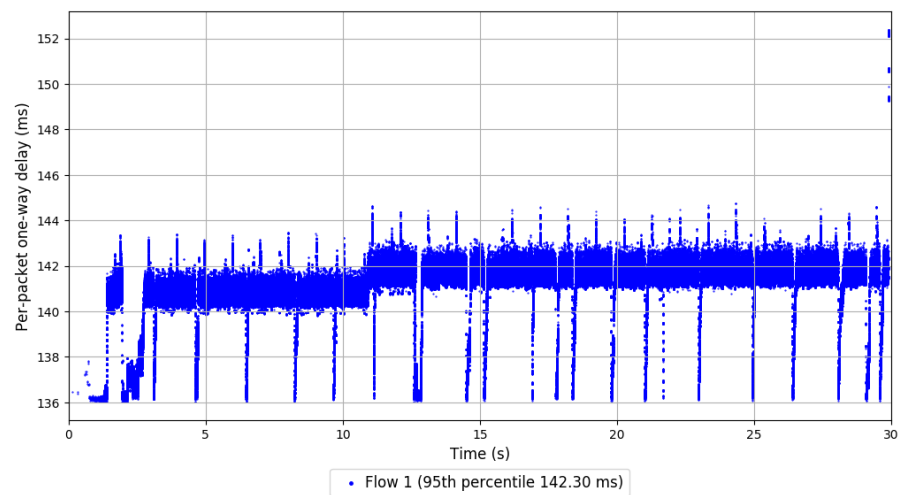
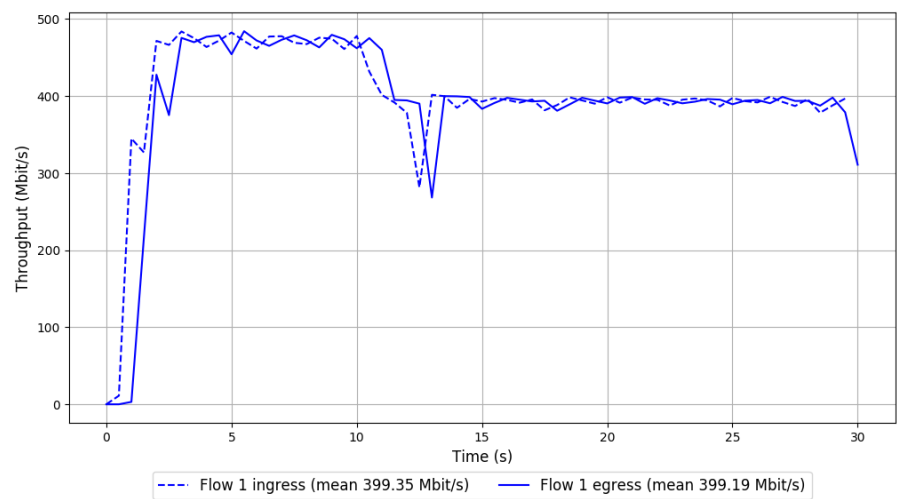


Run 3: Statistics of FillP

Start at: 2018-08-01 17:32:27
End at: 2018-08-01 17:32:57
Local clock offset: 2.545 ms
Remote clock offset: -41.002 ms

Below is generated by plot.py at 2018-08-01 20:46:55
Datalink statistics
-- Total of 1 flow:
Average throughput: 399.19 Mbit/s
95th percentile per-packet one-way delay: 142.296 ms
Loss rate: 0.79%
-- Flow 1:
Average throughput: 399.19 Mbit/s
95th percentile per-packet one-way delay: 142.296 ms
Loss rate: 0.79%

Run 3: Report of FillP — Data Link

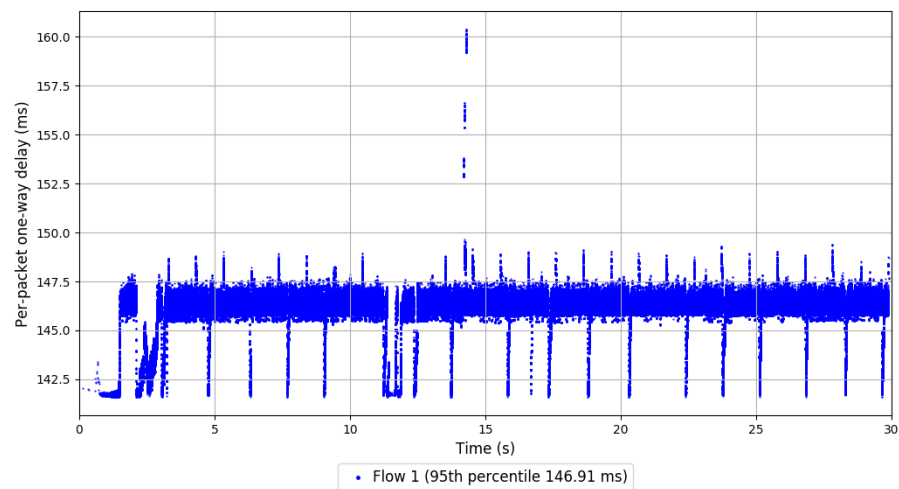
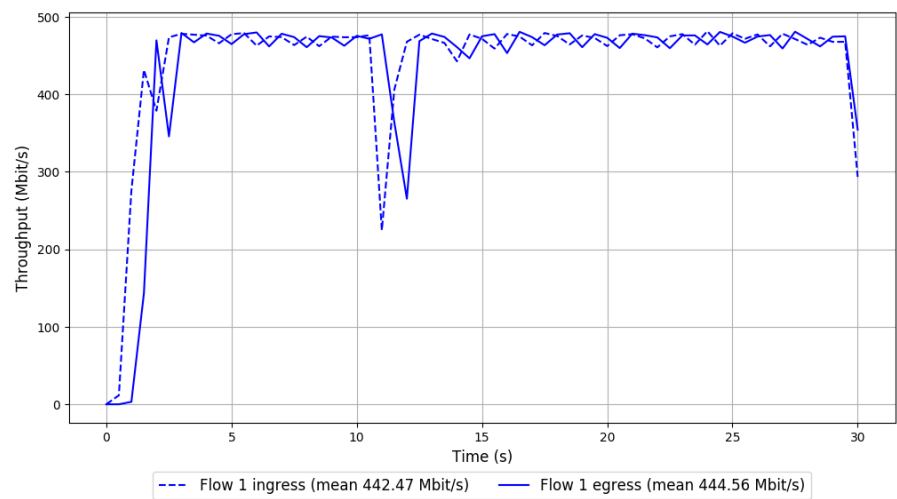


Run 4: Statistics of FillP

Start at: 2018-08-01 17:59:50
End at: 2018-08-01 18:00:20
Local clock offset: 3.196 ms
Remote clock offset: -43.746 ms

Below is generated by plot.py at 2018-08-01 20:47:30
Datalink statistics
-- Total of 1 flow:
Average throughput: 444.56 Mbit/s
95th percentile per-packet one-way delay: 146.912 ms
Loss rate: 2.00%
-- Flow 1:
Average throughput: 444.56 Mbit/s
95th percentile per-packet one-way delay: 146.912 ms
Loss rate: 2.00%

Run 4: Report of FillP — Data Link

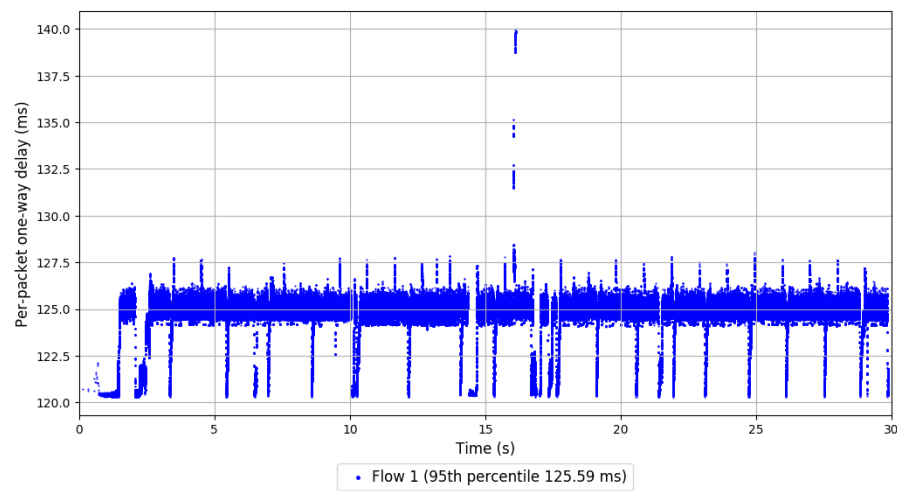
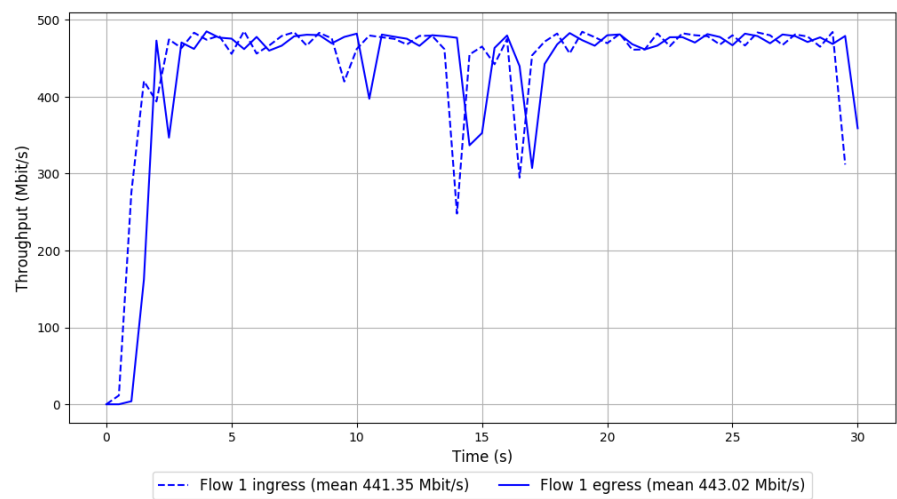


Run 5: Statistics of FillP

Start at: 2018-08-01 18:21:47
End at: 2018-08-01 18:22:17
Local clock offset: -5.793 ms
Remote clock offset: -32.555 ms

Below is generated by plot.py at 2018-08-01 20:47:39
Datalink statistics
-- Total of 1 flow:
Average throughput: 443.02 Mbit/s
95th percentile per-packet one-way delay: 125.594 ms
Loss rate: 0.28%
-- Flow 1:
Average throughput: 443.02 Mbit/s
95th percentile per-packet one-way delay: 125.594 ms
Loss rate: 0.28%

Run 5: Report of FillP — Data Link

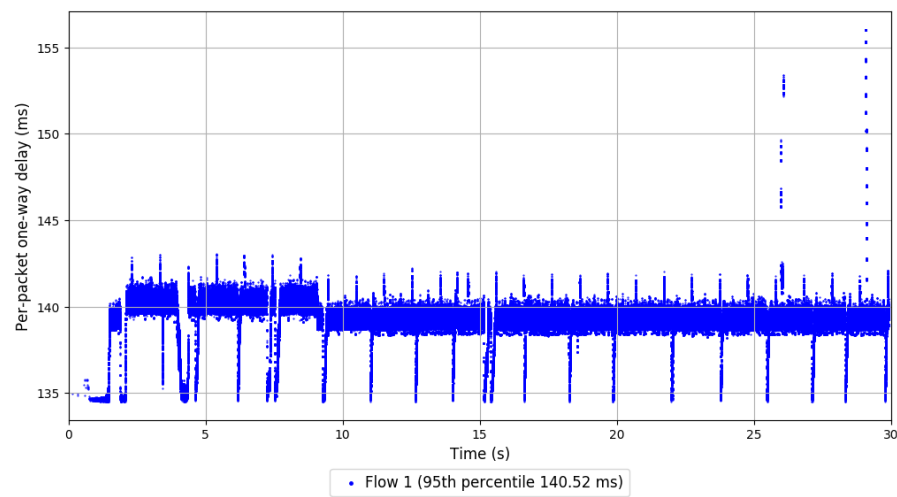
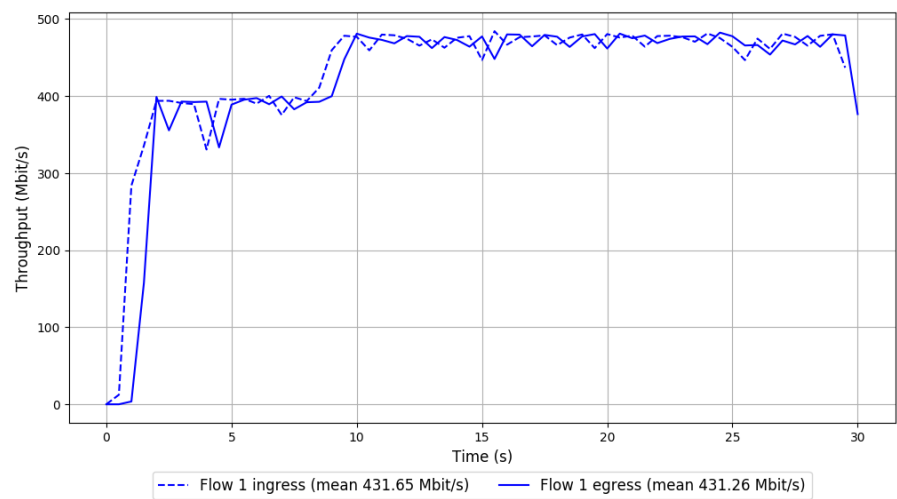


Run 6: Statistics of FillP

Start at: 2018-08-01 18:49:36
End at: 2018-08-01 18:50:06
Local clock offset: 3.324 ms
Remote clock offset: -38.494 ms

Below is generated by plot.py at 2018-08-01 20:47:39
Datalink statistics
-- Total of 1 flow:
Average throughput: 431.26 Mbit/s
95th percentile per-packet one-way delay: 140.518 ms
Loss rate: 0.75%
-- Flow 1:
Average throughput: 431.26 Mbit/s
95th percentile per-packet one-way delay: 140.518 ms
Loss rate: 0.75%

Run 6: Report of FillP — Data Link

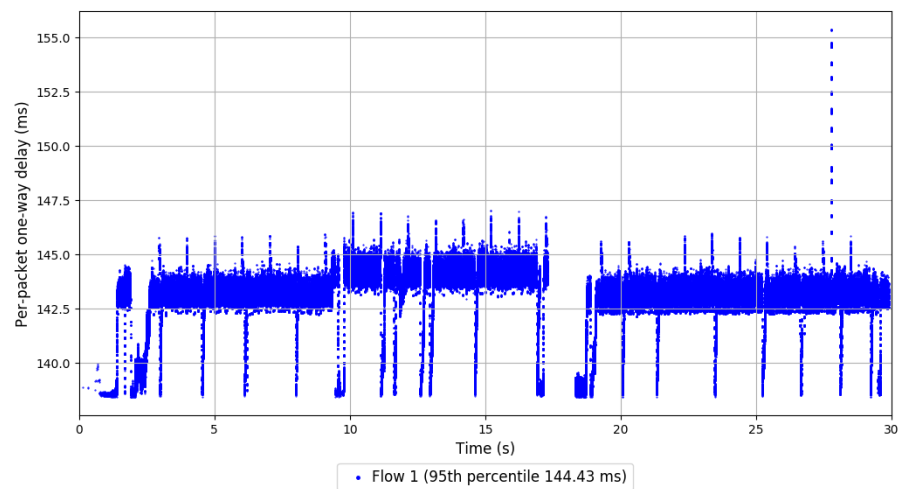
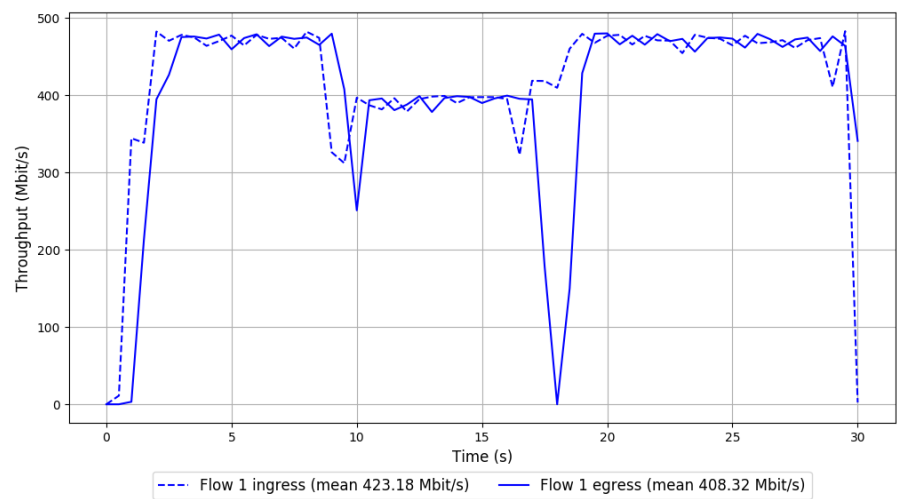


Run 7: Statistics of FillP

Start at: 2018-08-01 19:17:16
End at: 2018-08-01 19:17:46
Local clock offset: 3.002 ms
Remote clock offset: -41.048 ms

Below is generated by plot.py at 2018-08-01 20:47:39
Datalink statistics
-- Total of 1 flow:
Average throughput: 408.32 Mbit/s
95th percentile per-packet one-way delay: 144.429 ms
Loss rate: 4.25%
-- Flow 1:
Average throughput: 408.32 Mbit/s
95th percentile per-packet one-way delay: 144.429 ms
Loss rate: 4.25%

Run 7: Report of FillP — Data Link

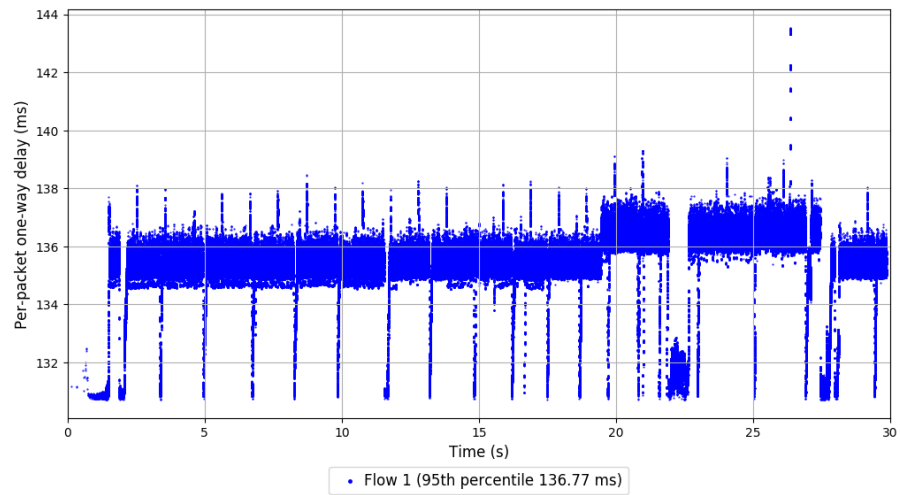
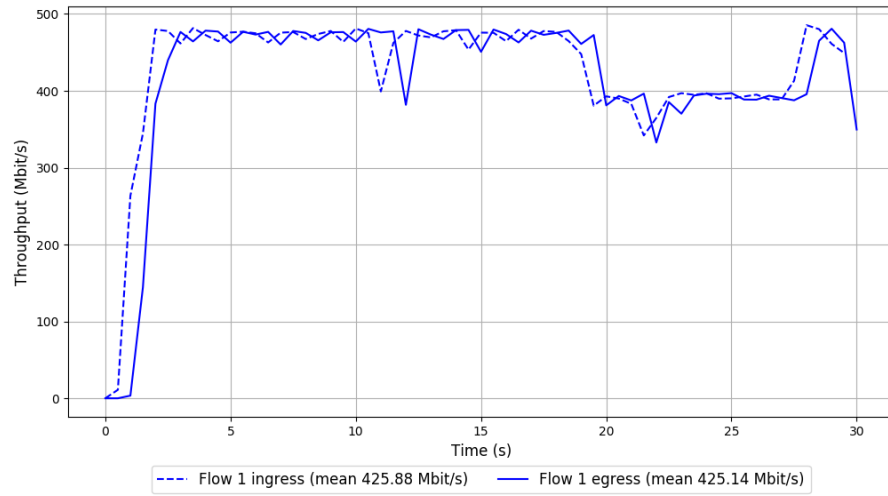


Run 8: Statistics of FillP

Start at: 2018-08-01 19:44:45
End at: 2018-08-01 19:45:15
Local clock offset: 2.545 ms
Remote clock offset: -33.079 ms

Below is generated by plot.py at 2018-08-01 20:48:36
Datalink statistics
-- Total of 1 flow:
Average throughput: 425.14 Mbit/s
95th percentile per-packet one-way delay: 136.773 ms
Loss rate: 0.95%
-- Flow 1:
Average throughput: 425.14 Mbit/s
95th percentile per-packet one-way delay: 136.773 ms
Loss rate: 0.95%

Run 8: Report of FillP — Data Link

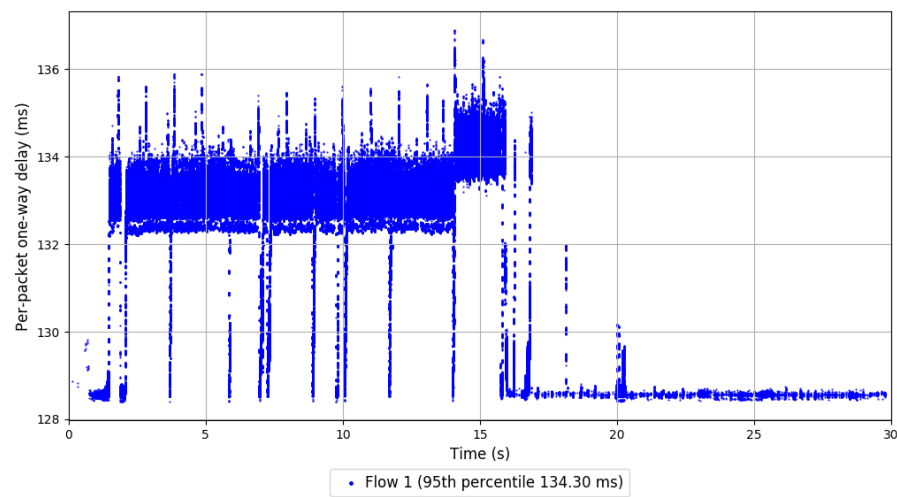
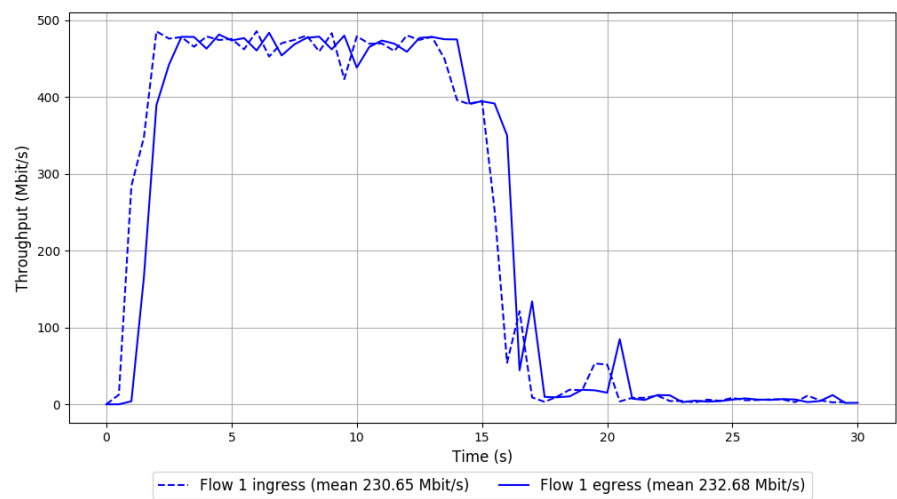


Run 9: Statistics of FillP

Start at: 2018-08-01 20:06:33
End at: 2018-08-01 20:07:03
Local clock offset: -0.666 ms
Remote clock offset: -34.253 ms

Below is generated by plot.py at 2018-08-01 20:49:34
Datalink statistics
-- Total of 1 flow:
Average throughput: 232.68 Mbit/s
95th percentile per-packet one-way delay: 134.296 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 232.68 Mbit/s
95th percentile per-packet one-way delay: 134.296 ms
Loss rate: 0.01%

Run 9: Report of FillP — Data Link

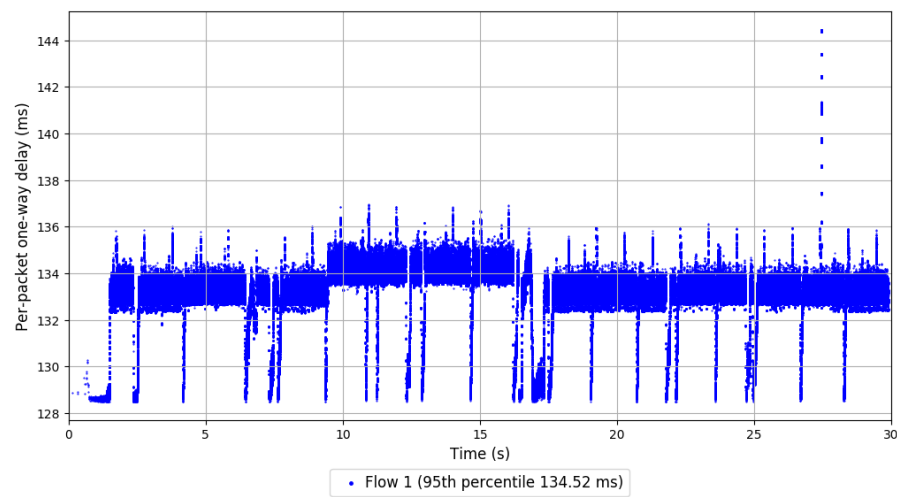
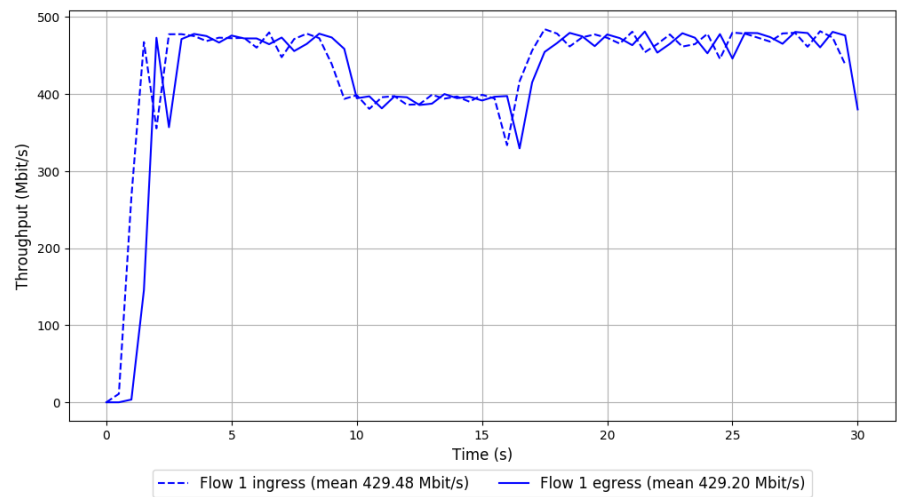


Run 10: Statistics of FillP

Start at: 2018-08-01 20:28:32
End at: 2018-08-01 20:29:02
Local clock offset: -1.787 ms
Remote clock offset: -33.171 ms

Below is generated by plot.py at 2018-08-01 20:52:37
Datalink statistics
-- Total of 1 flow:
Average throughput: 429.20 Mbit/s
95th percentile per-packet one-way delay: 134.519 ms
Loss rate: 0.72%
-- Flow 1:
Average throughput: 429.20 Mbit/s
95th percentile per-packet one-way delay: 134.519 ms
Loss rate: 0.72%

Run 10: Report of FillP — Data Link

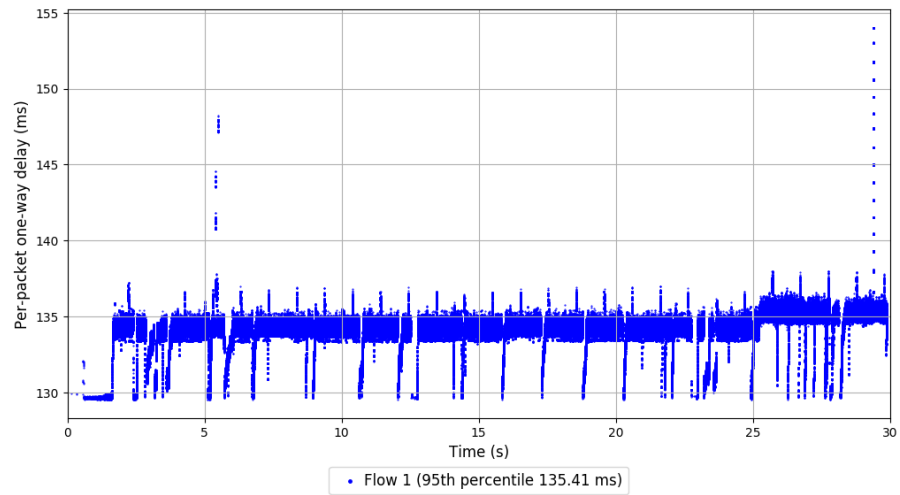
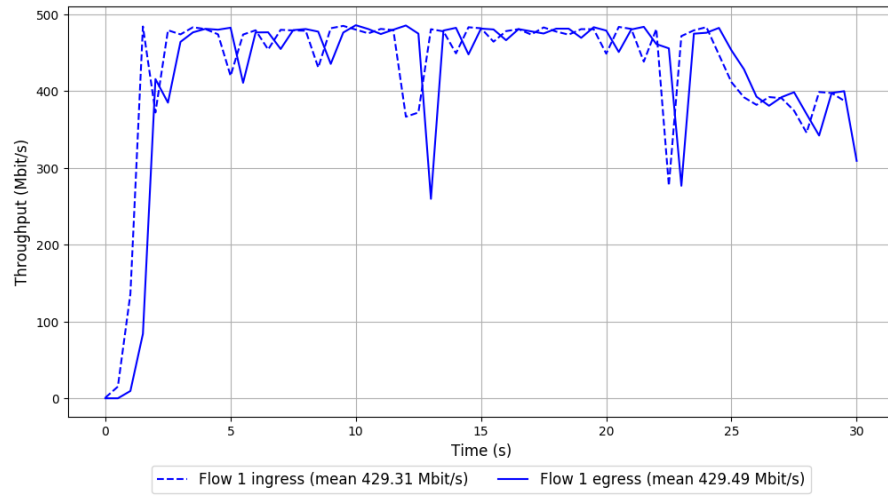


Run 1: Statistics of FillP-Sheep

Start at: 2018-08-01 16:30:03
End at: 2018-08-01 16:30:33
Local clock offset: -0.113 ms
Remote clock offset: -37.642 ms

Below is generated by plot.py at 2018-08-01 20:52:37
Datalink statistics
-- Total of 1 flow:
Average throughput: 429.49 Mbit/s
95th percentile per-packet one-way delay: 135.410 ms
Loss rate: 0.72%
-- Flow 1:
Average throughput: 429.49 Mbit/s
95th percentile per-packet one-way delay: 135.410 ms
Loss rate: 0.72%

Run 1: Report of FillP-Sheep — Data Link

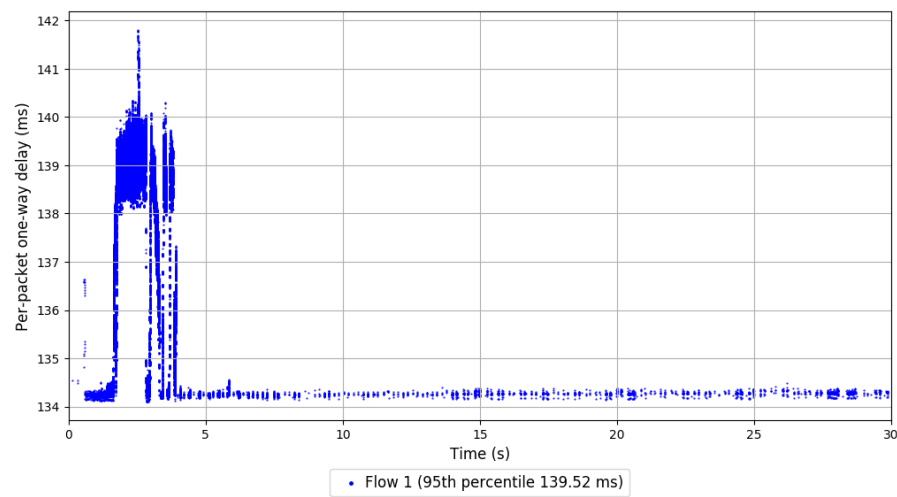
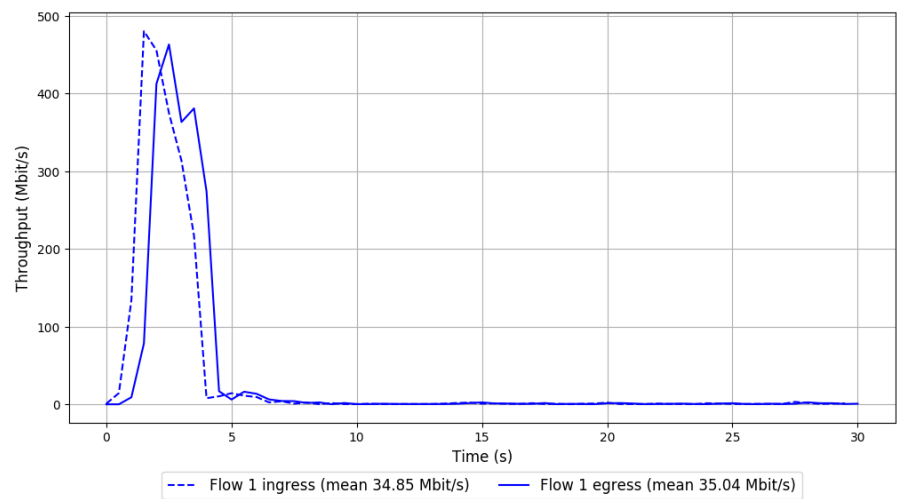


Run 2: Statistics of FillP-Sheep

Start at: 2018-08-01 16:57:48
End at: 2018-08-01 16:58:18
Local clock offset: 0.652 ms
Remote clock offset: -40.586 ms

Below is generated by plot.py at 2018-08-01 20:52:37
Datalink statistics
-- Total of 1 flow:
Average throughput: 35.04 Mbit/s
95th percentile per-packet one-way delay: 139.522 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 35.04 Mbit/s
95th percentile per-packet one-way delay: 139.522 ms
Loss rate: 0.04%

Run 2: Report of FillP-Sheep — Data Link

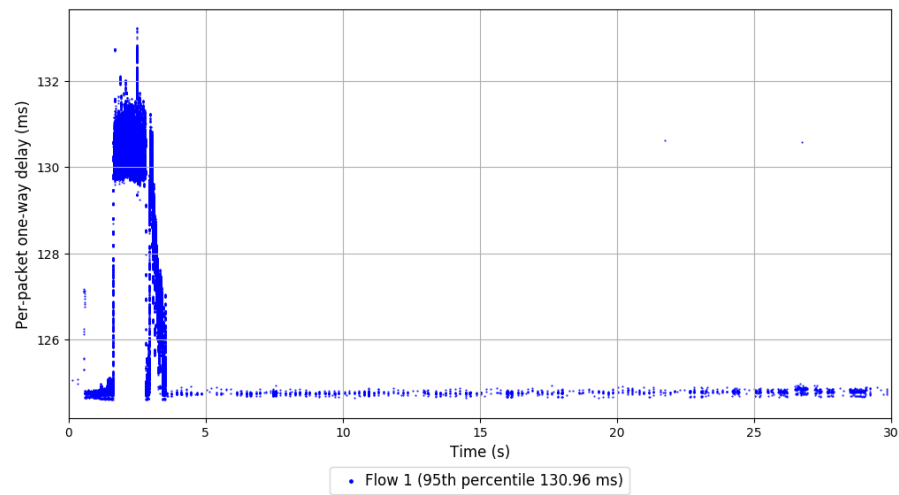
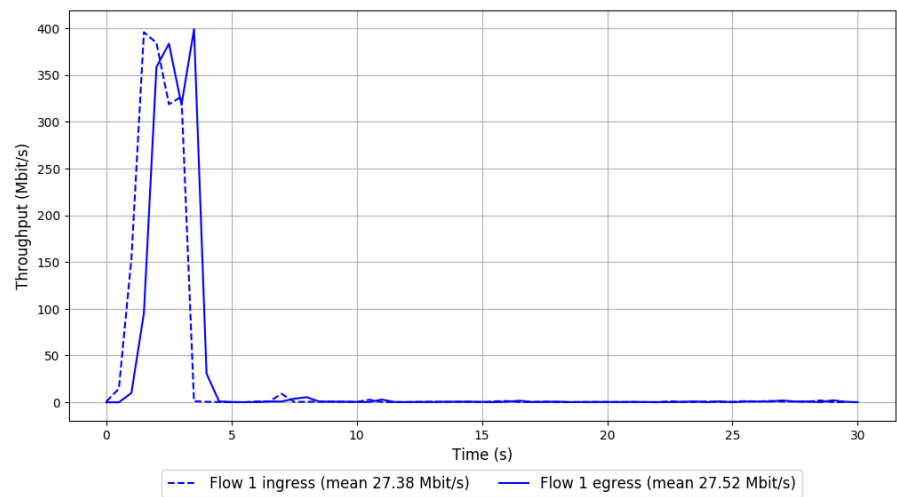


Run 3: Statistics of FillP-Sheep

Start at: 2018-08-01 17:25:08
End at: 2018-08-01 17:25:38
Local clock offset: -0.416 ms
Remote clock offset: -32.878 ms

Below is generated by plot.py at 2018-08-01 20:52:37
Datalink statistics
-- Total of 1 flow:
Average throughput: 27.52 Mbit/s
95th percentile per-packet one-way delay: 130.962 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 27.52 Mbit/s
95th percentile per-packet one-way delay: 130.962 ms
Loss rate: 0.00%

Run 3: Report of FillP-Sheep — Data Link

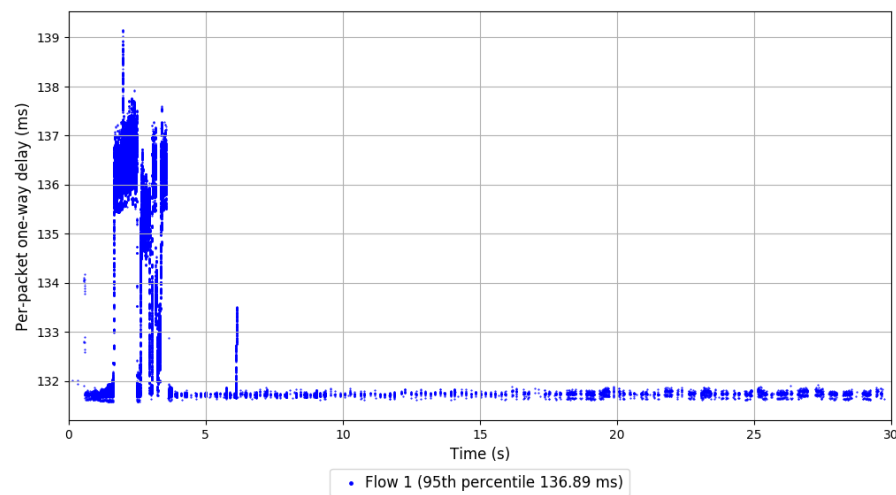
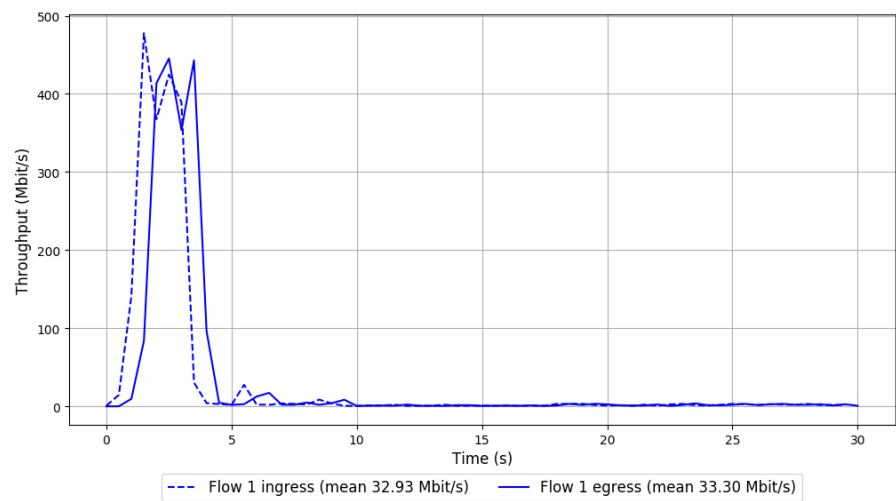


Run 4: Statistics of FillP-Sheep

Start at: 2018-08-01 17:46:57
End at: 2018-08-01 17:47:27
Local clock offset: 2.554 ms
Remote clock offset: -36.117 ms

Below is generated by plot.py at 2018-08-01 20:52:37
Datalink statistics
-- Total of 1 flow:
Average throughput: 33.30 Mbit/s
95th percentile per-packet one-way delay: 136.887 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 33.30 Mbit/s
95th percentile per-packet one-way delay: 136.887 ms
Loss rate: 0.07%

Run 4: Report of FillP-Sheep — Data Link



Run 5: Statistics of FillP-Sheep

Start at: 2018-08-01 18:14:11

End at: 2018-08-01 18:14:41

Local clock offset: 3.046 ms

Remote clock offset: -34.437 ms

Below is generated by plot.py at 2018-08-01 20:53:01

Datalink statistics

-- Total of 1 flow:

Average throughput: 403.83 Mbit/s

95th percentile per-packet one-way delay: 138.437 ms

Loss rate: 3.52%

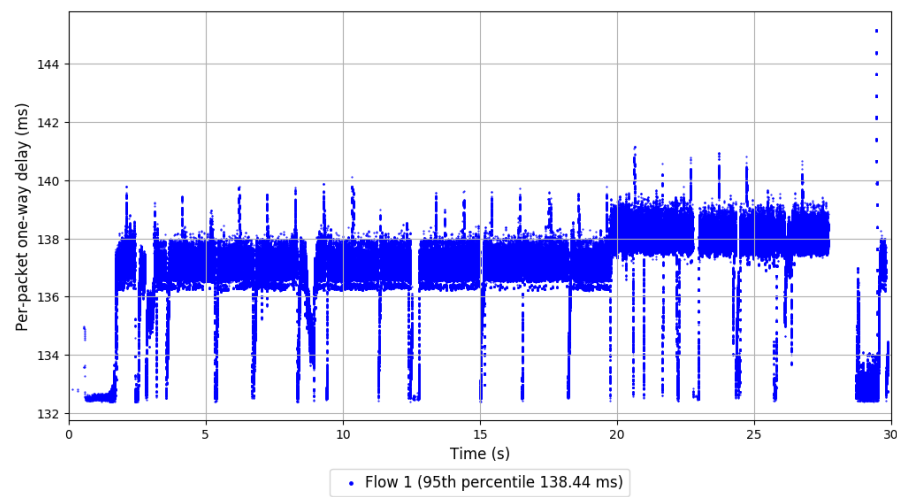
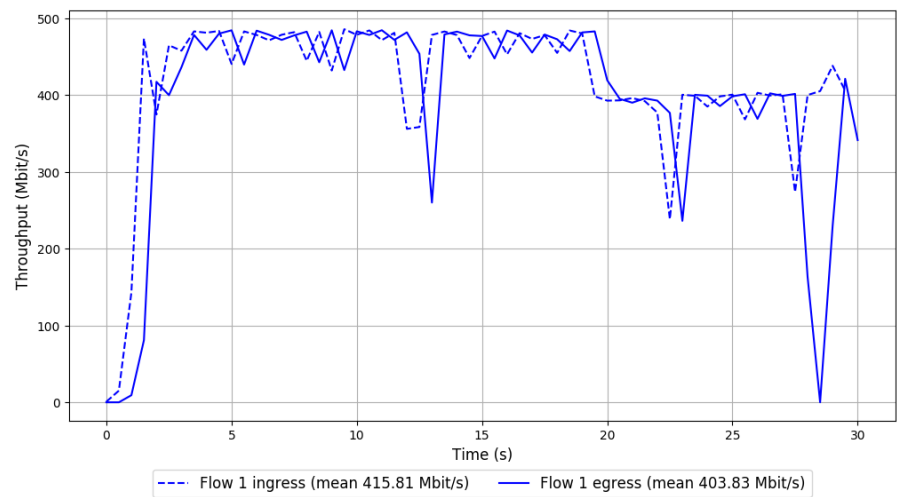
-- Flow 1:

Average throughput: 403.83 Mbit/s

95th percentile per-packet one-way delay: 138.437 ms

Loss rate: 3.52%

Run 5: Report of FillP-Sheep — Data Link



Run 6: Statistics of FillP-Sheep

Start at: 2018-08-01 18:36:21

End at: 2018-08-01 18:36:51

Local clock offset: 1.57 ms

Remote clock offset: -33.801 ms

Below is generated by plot.py at 2018-08-01 20:53:35

Datalink statistics

-- Total of 1 flow:

Average throughput: 421.33 Mbit/s

95th percentile per-packet one-way delay: 134.334 ms

Loss rate: 0.81%

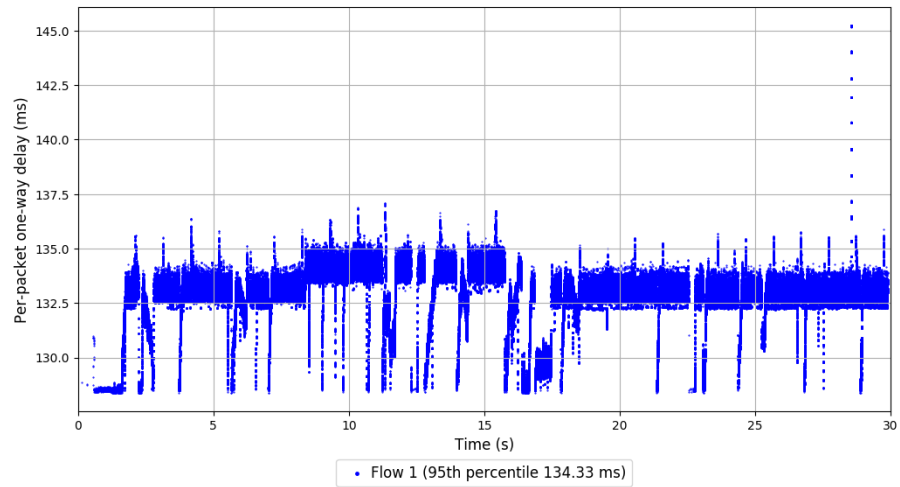
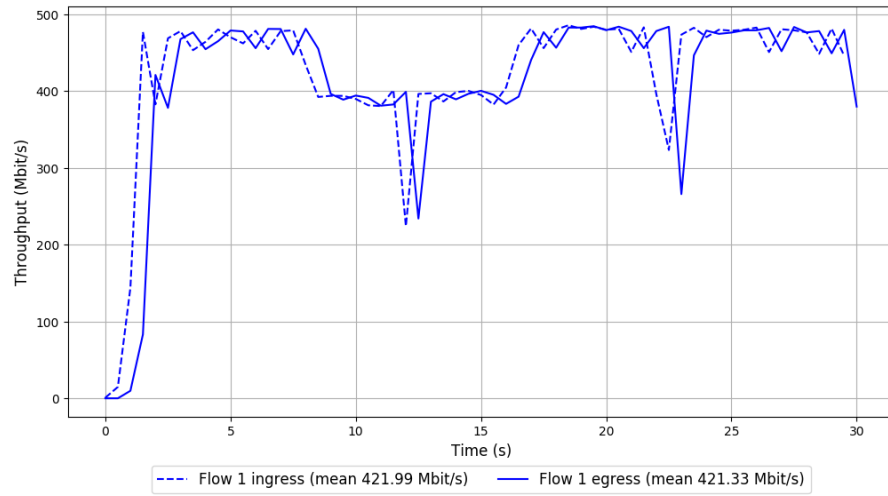
-- Flow 1:

Average throughput: 421.33 Mbit/s

95th percentile per-packet one-way delay: 134.334 ms

Loss rate: 0.81%

Run 6: Report of FillP-Sheep — Data Link

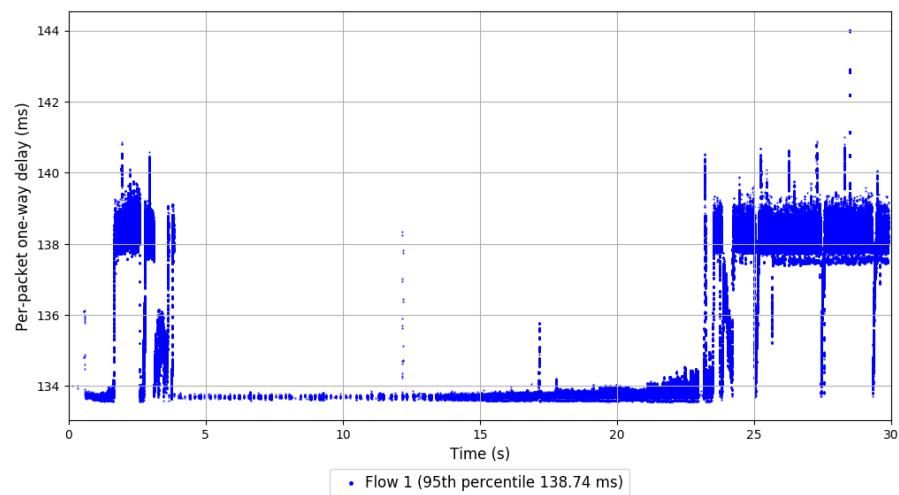
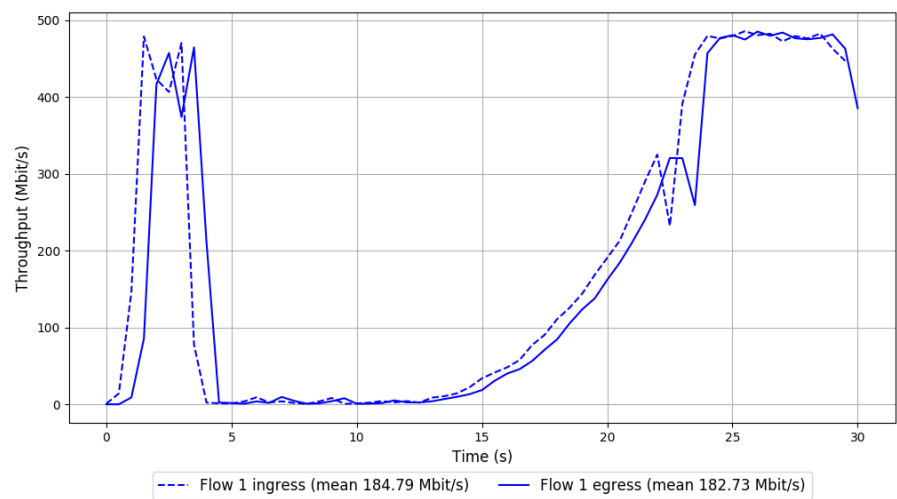


Run 7: Statistics of FillP-Sheep

Start at: 2018-08-01 19:09:49
End at: 2018-08-01 19:10:19
Local clock offset: 4.718 ms
Remote clock offset: -36.005 ms

Below is generated by plot.py at 2018-08-01 20:53:35
Datalink statistics
-- Total of 1 flow:
Average throughput: 182.73 Mbit/s
95th percentile per-packet one-way delay: 138.744 ms
Loss rate: 1.76%
-- Flow 1:
Average throughput: 182.73 Mbit/s
95th percentile per-packet one-way delay: 138.744 ms
Loss rate: 1.76%

Run 7: Report of FillP-Sheep — Data Link

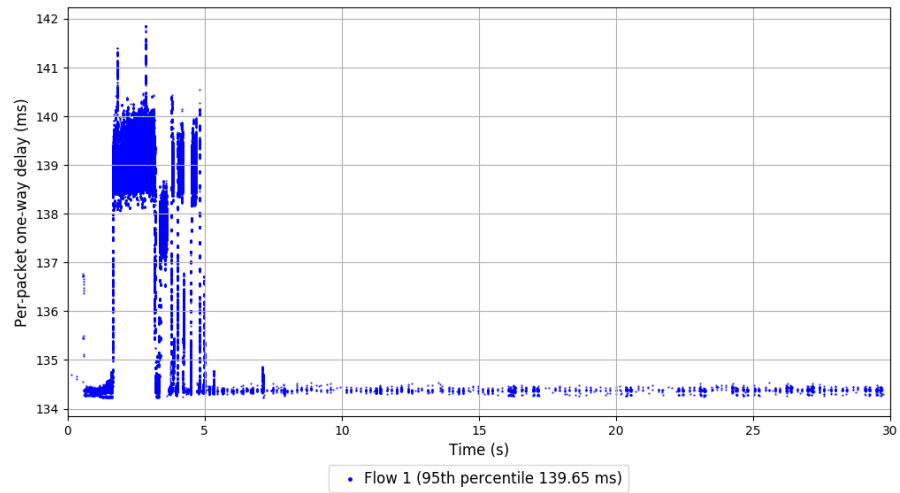
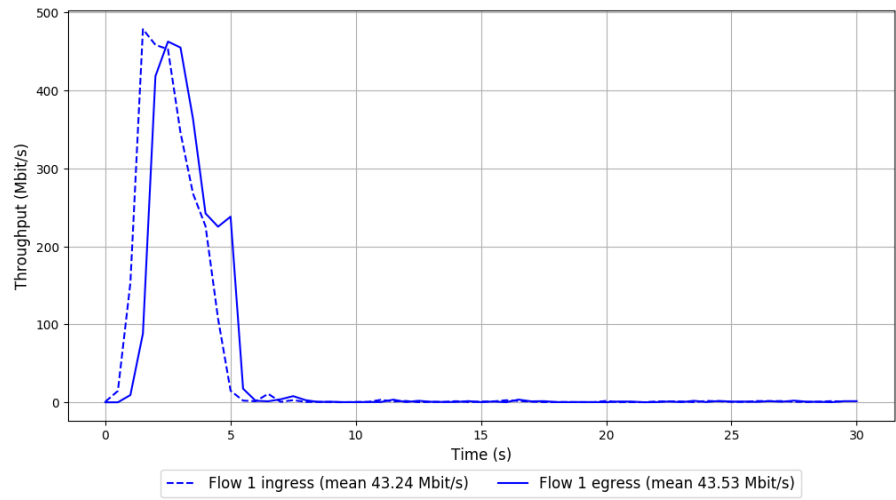


Run 8: Statistics of FillP-Sheep

Start at: 2018-08-01 19:37:25
End at: 2018-08-01 19:37:55
Local clock offset: 1.069 ms
Remote clock offset: -38.219 ms

Below is generated by plot.py at 2018-08-01 20:53:35
Datalink statistics
-- Total of 1 flow:
Average throughput: 43.53 Mbit/s
95th percentile per-packet one-way delay: 139.652 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 43.53 Mbit/s
95th percentile per-packet one-way delay: 139.652 ms
Loss rate: 0.00%

Run 8: Report of FillP-Sheep — Data Link

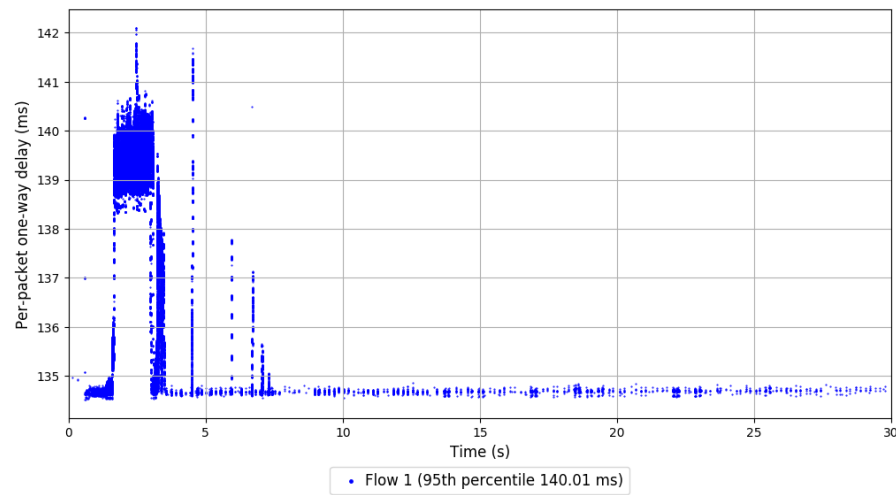
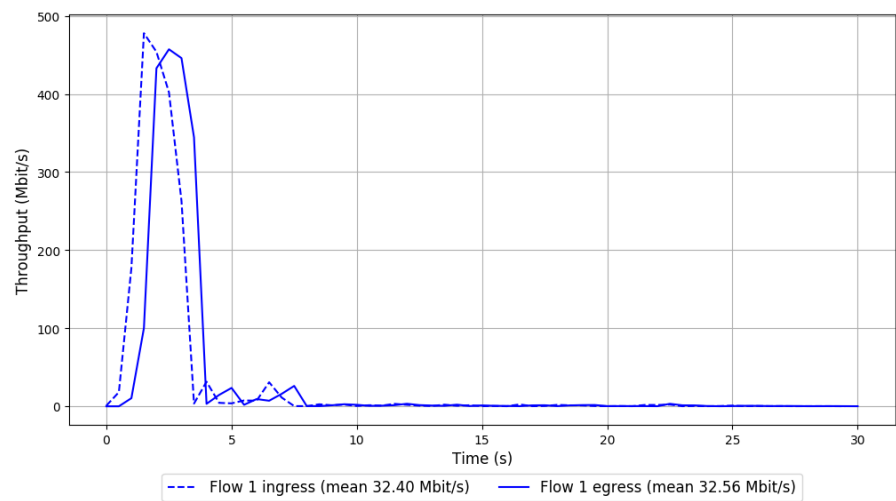


Run 9: Statistics of FillP-Sheep

Start at: 2018-08-01 19:59:14
End at: 2018-08-01 19:59:45
Local clock offset: 0.887 ms
Remote clock offset: -37.633 ms

Below is generated by plot.py at 2018-08-01 20:53:35
Datalink statistics
-- Total of 1 flow:
Average throughput: 32.56 Mbit/s
95th percentile per-packet one-way delay: 140.013 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 32.56 Mbit/s
95th percentile per-packet one-way delay: 140.013 ms
Loss rate: 0.00%

Run 9: Report of FillP-Sheep — Data Link

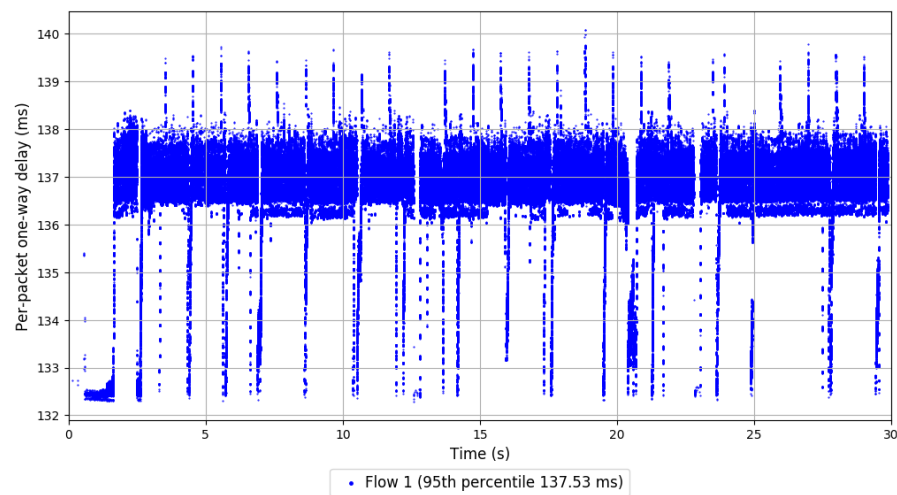
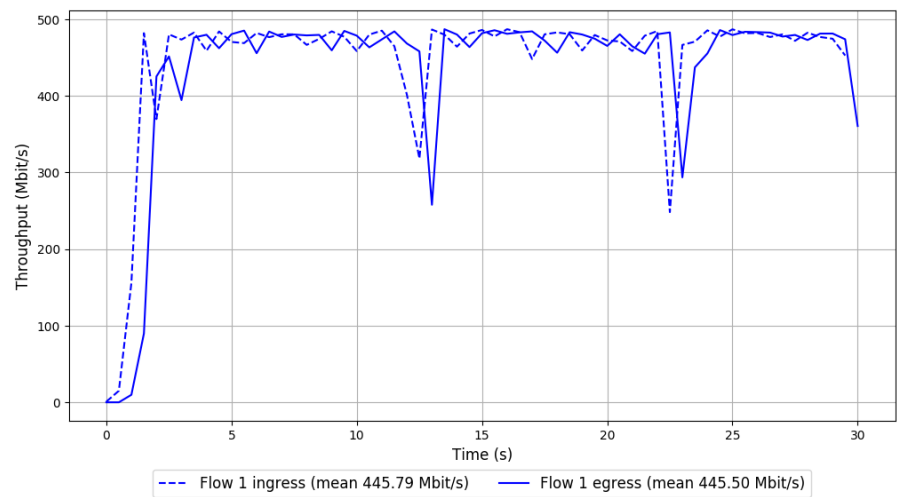


Run 10: Statistics of FillP-Sheep

Start at: 2018-08-01 20:20:53
End at: 2018-08-01 20:21:23
Local clock offset: -1.53 ms
Remote clock offset: -38.452 ms

Below is generated by plot.py at 2018-08-01 20:54:44
Datalink statistics
-- Total of 1 flow:
Average throughput: 445.50 Mbit/s
95th percentile per-packet one-way delay: 137.534 ms
Loss rate: 0.82%
-- Flow 1:
Average throughput: 445.50 Mbit/s
95th percentile per-packet one-way delay: 137.534 ms
Loss rate: 0.82%

Run 10: Report of FillP-Sheep — Data Link

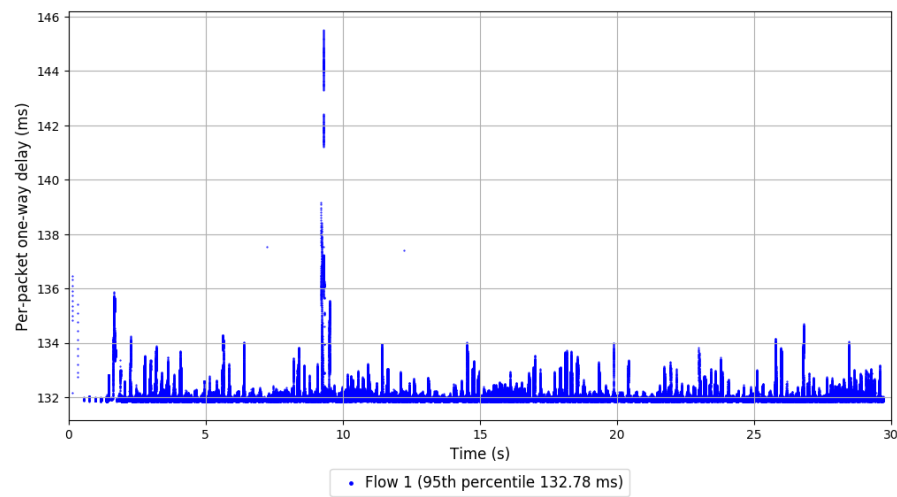
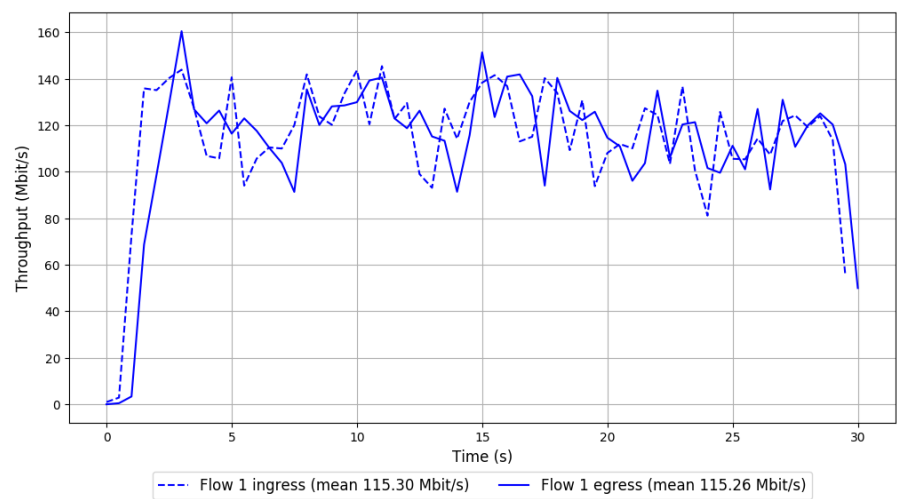


Run 1: Statistics of Indigo

Start at: 2018-08-01 16:21:59
End at: 2018-08-01 16:22:29
Local clock offset: 2.093 ms
Remote clock offset: -37.545 ms

Below is generated by plot.py at 2018-08-01 20:54:44
Datalink statistics
-- Total of 1 flow:
Average throughput: 115.26 Mbit/s
95th percentile per-packet one-way delay: 132.783 ms
Loss rate: 0.69%
-- Flow 1:
Average throughput: 115.26 Mbit/s
95th percentile per-packet one-way delay: 132.783 ms
Loss rate: 0.69%

Run 1: Report of Indigo — Data Link

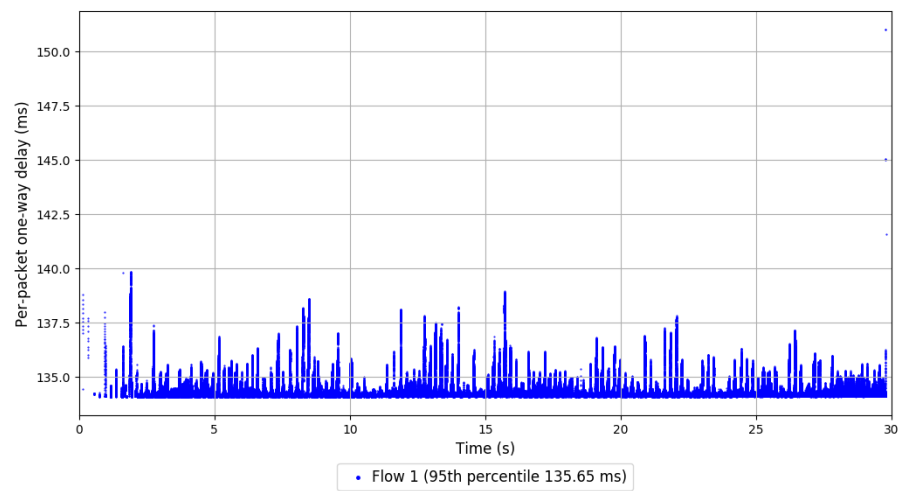
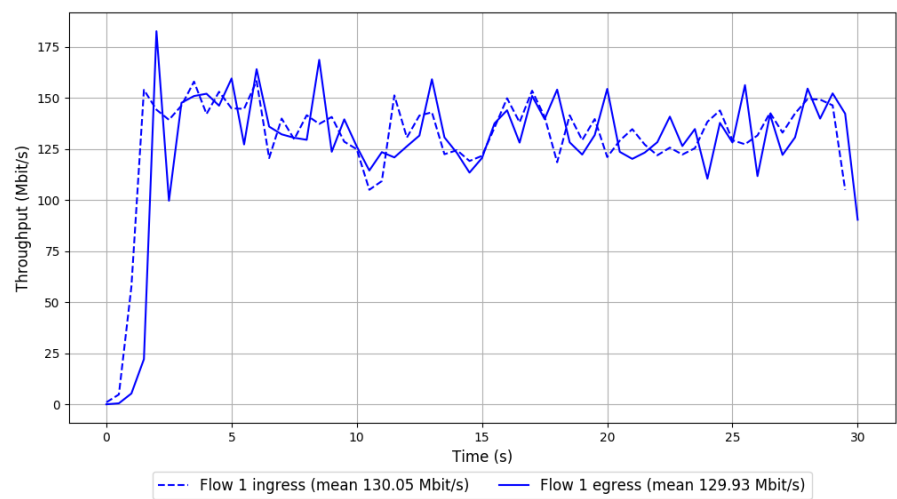


Run 2: Statistics of Indigo

Start at: 2018-08-01 16:44:07
End at: 2018-08-01 16:44:37
Local clock offset: 0.859 ms
Remote clock offset: -40.847 ms

Below is generated by plot.py at 2018-08-01 20:54:44
Datalink statistics
-- Total of 1 flow:
Average throughput: 129.93 Mbit/s
95th percentile per-packet one-way delay: 135.650 ms
Loss rate: 0.74%
-- Flow 1:
Average throughput: 129.93 Mbit/s
95th percentile per-packet one-way delay: 135.650 ms
Loss rate: 0.74%

Run 2: Report of Indigo — Data Link

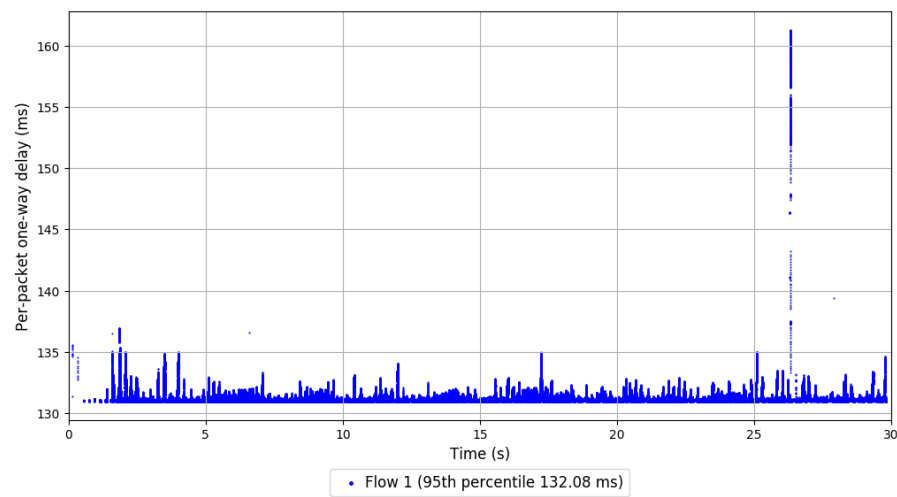
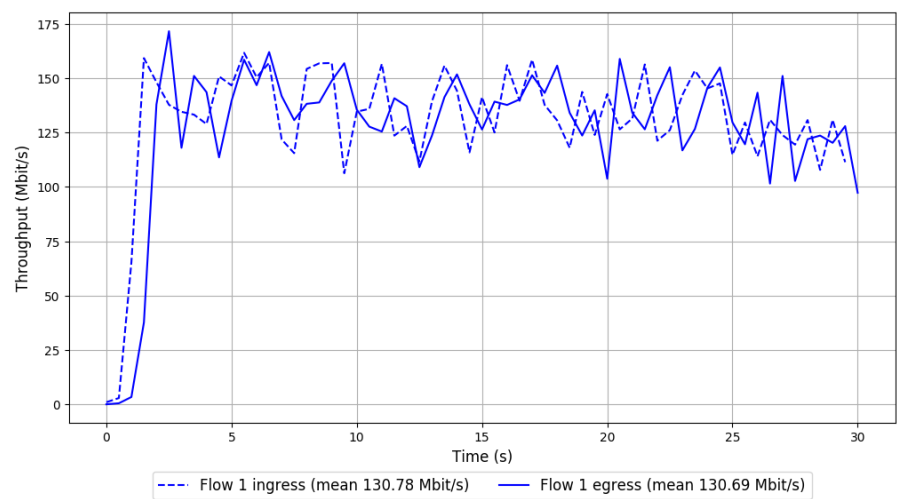


Run 3: Statistics of Indigo

Start at: 2018-08-01 17:16:57
End at: 2018-08-01 17:17:27
Local clock offset: -0.511 ms
Remote clock offset: -39.485 ms

Below is generated by plot.py at 2018-08-01 20:54:44
Datalink statistics
-- Total of 1 flow:
Average throughput: 130.69 Mbit/s
95th percentile per-packet one-way delay: 132.076 ms
Loss rate: 0.71%
-- Flow 1:
Average throughput: 130.69 Mbit/s
95th percentile per-packet one-way delay: 132.076 ms
Loss rate: 0.71%

Run 3: Report of Indigo — Data Link

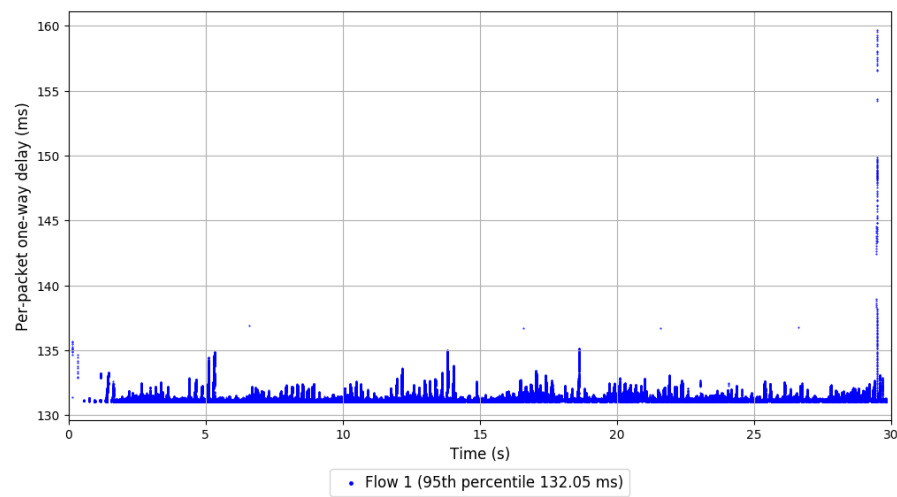
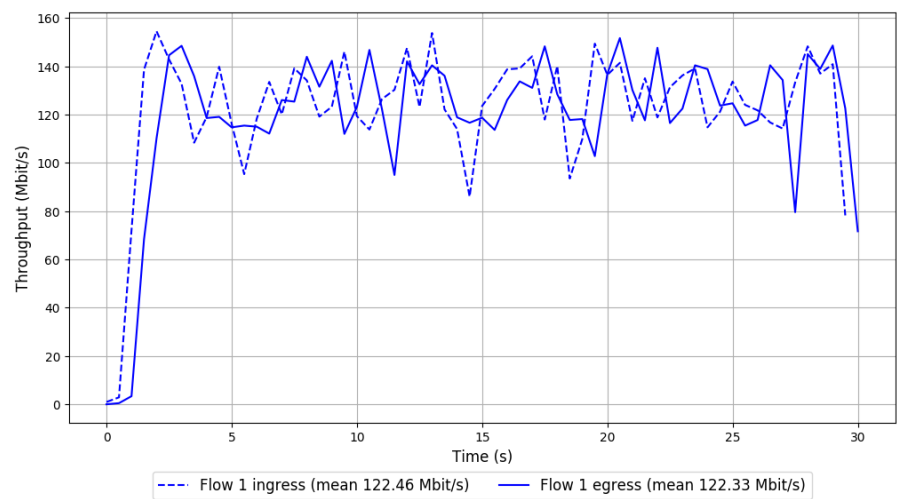


Run 4: Statistics of Indigo

Start at: 2018-08-01 17:38:52
End at: 2018-08-01 17:39:22
Local clock offset: 2.076 ms
Remote clock offset: -34.638 ms

Below is generated by plot.py at 2018-08-01 20:54:44
Datalink statistics
-- Total of 1 flow:
Average throughput: 122.33 Mbit/s
95th percentile per-packet one-way delay: 132.054 ms
Loss rate: 0.76%
-- Flow 1:
Average throughput: 122.33 Mbit/s
95th percentile per-packet one-way delay: 132.054 ms
Loss rate: 0.76%

Run 4: Report of Indigo — Data Link

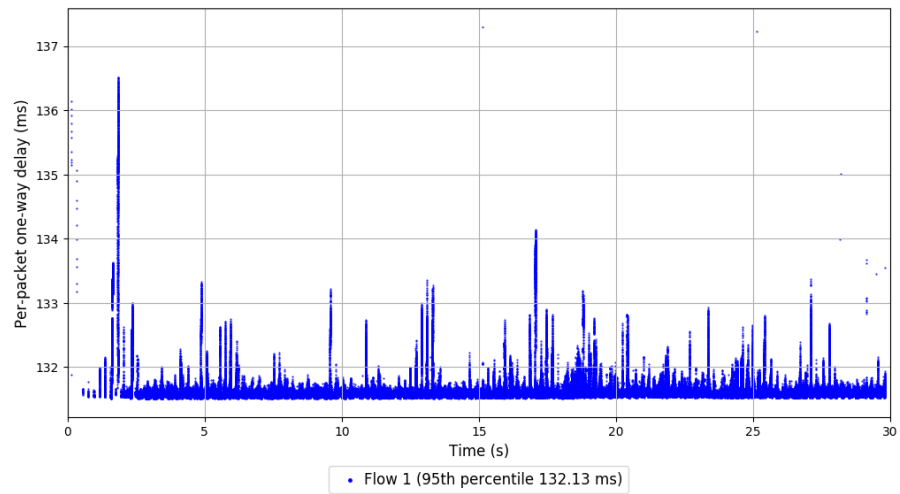
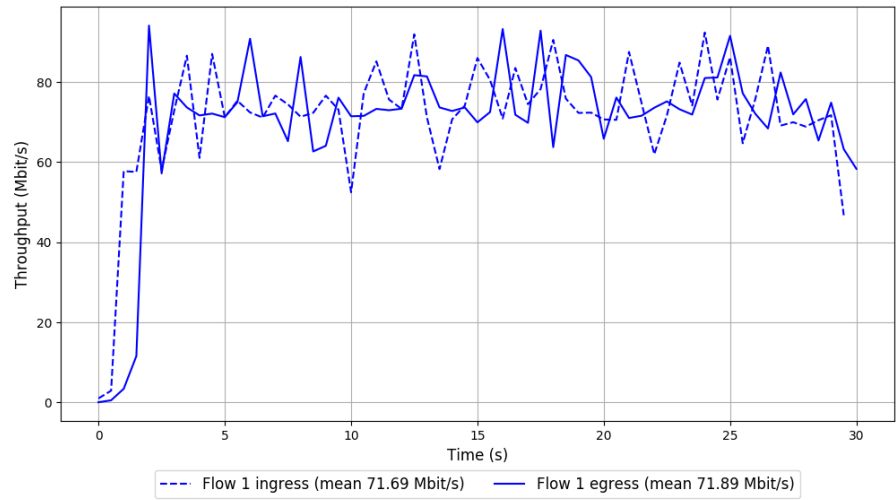


Run 5: Statistics of Indigo

Start at: 2018-08-01 18:06:09
End at: 2018-08-01 18:06:39
Local clock offset: 1.361 ms
Remote clock offset: -36.856 ms

Below is generated by plot.py at 2018-08-01 20:54:44
Datalink statistics
-- Total of 1 flow:
Average throughput: 71.89 Mbit/s
95th percentile per-packet one-way delay: 132.127 ms
Loss rate: 0.37%
-- Flow 1:
Average throughput: 71.89 Mbit/s
95th percentile per-packet one-way delay: 132.127 ms
Loss rate: 0.37%

Run 5: Report of Indigo — Data Link

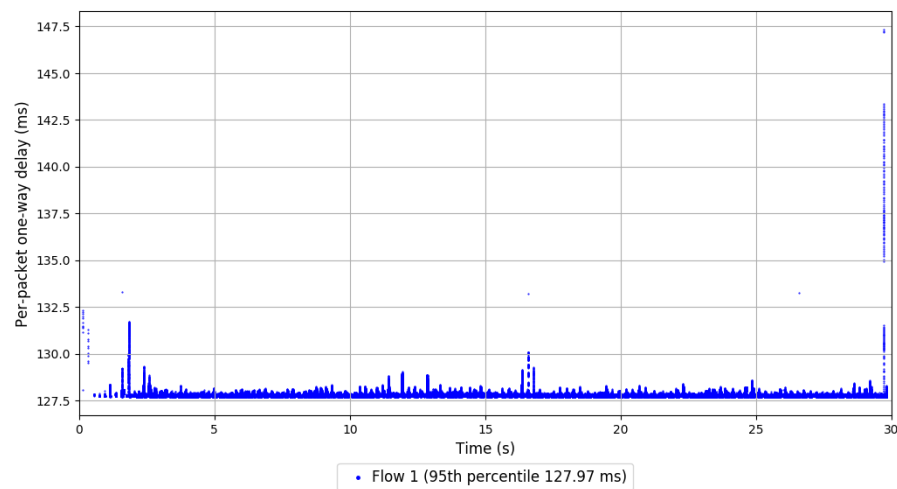
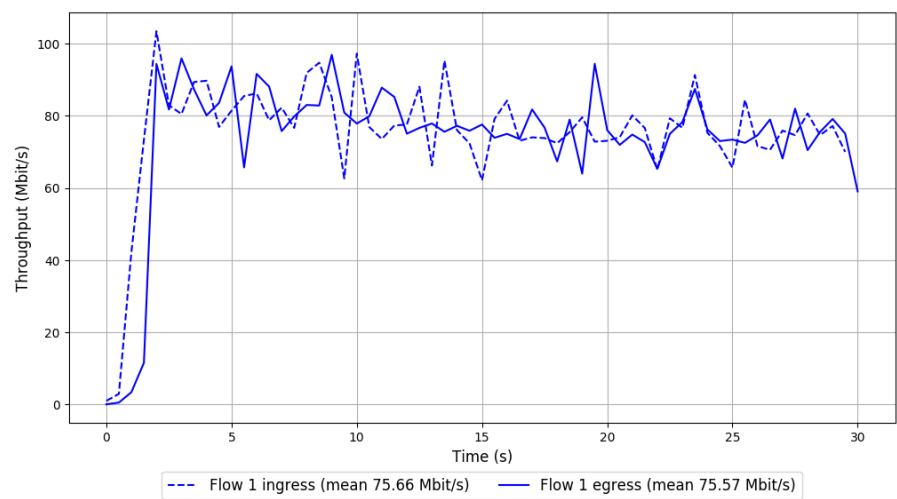


Run 6: Statistics of Indigo

Start at: 2018-08-01 18:28:17
End at: 2018-08-01 18:28:47
Local clock offset: -0.021 ms
Remote clock offset: -34.454 ms

Below is generated by plot.py at 2018-08-01 20:54:44
Datalink statistics
-- Total of 1 flow:
Average throughput: 75.57 Mbit/s
95th percentile per-packet one-way delay: 127.969 ms
Loss rate: 0.77%
-- Flow 1:
Average throughput: 75.57 Mbit/s
95th percentile per-packet one-way delay: 127.969 ms
Loss rate: 0.77%

Run 6: Report of Indigo — Data Link

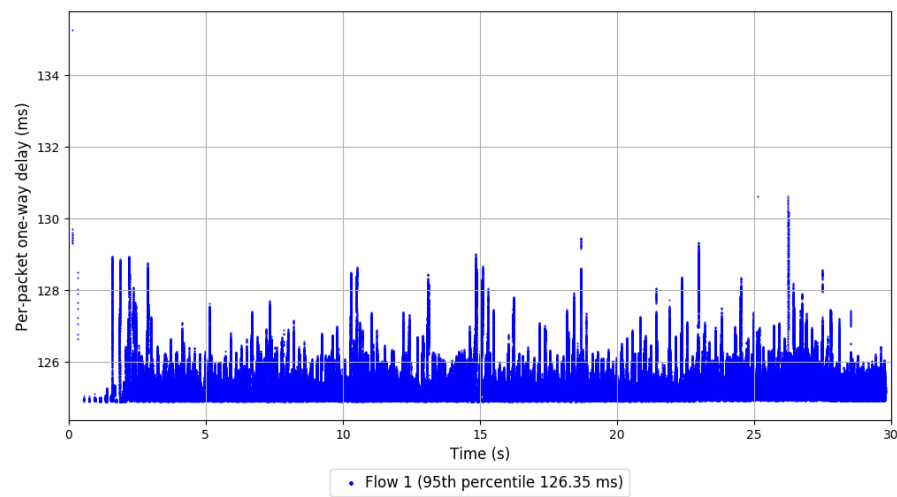
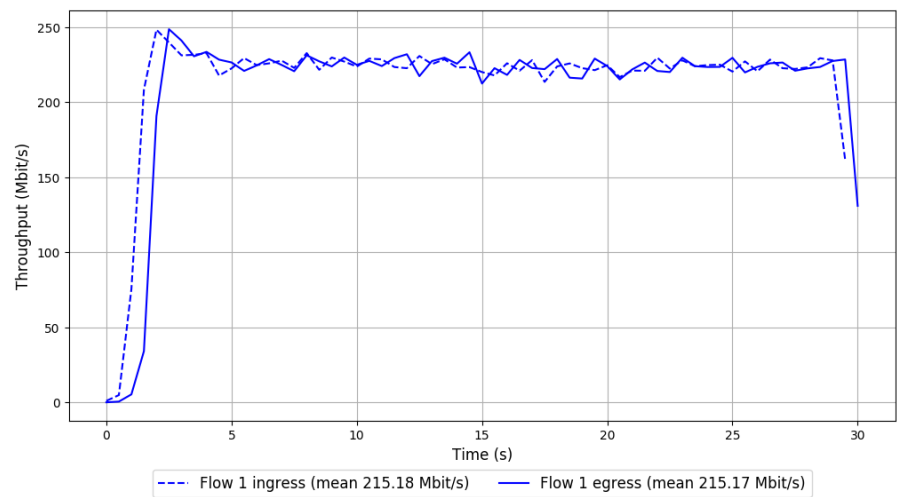


Run 7: Statistics of Indigo

Start at: 2018-08-01 18:56:04
End at: 2018-08-01 18:56:34
Local clock offset: 0.319 ms
Remote clock offset: -31.649 ms

Below is generated by plot.py at 2018-08-01 20:54:44
Datalink statistics
-- Total of 1 flow:
Average throughput: 215.17 Mbit/s
95th percentile per-packet one-way delay: 126.352 ms
Loss rate: 0.68%
-- Flow 1:
Average throughput: 215.17 Mbit/s
95th percentile per-packet one-way delay: 126.352 ms
Loss rate: 0.68%

Run 7: Report of Indigo — Data Link

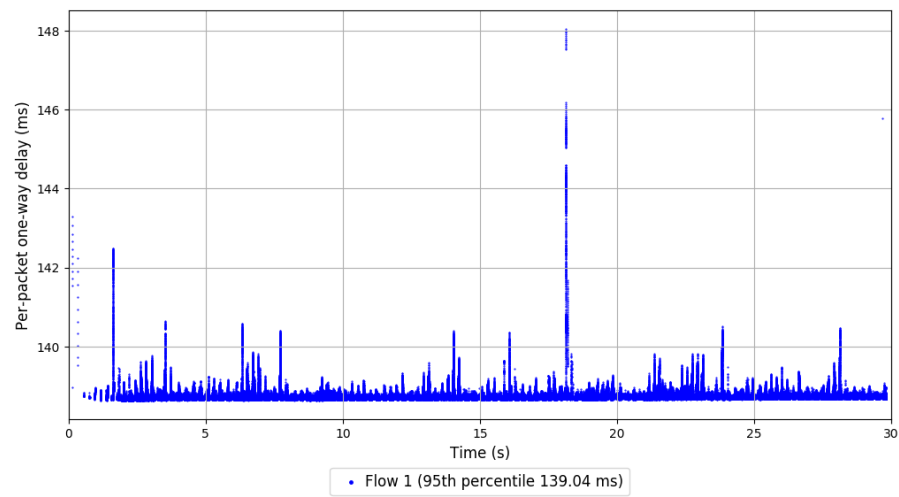
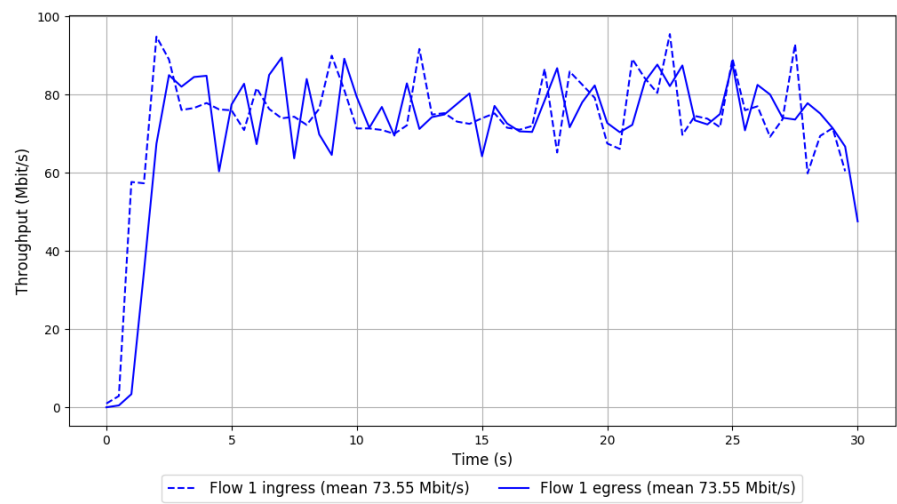


Run 8: Statistics of Indigo

Start at: 2018-08-01 19:23:42
End at: 2018-08-01 19:24:12
Local clock offset: 3.747 ms
Remote clock offset: -40.379 ms

Below is generated by plot.py at 2018-08-01 20:54:44
Datalink statistics
-- Total of 1 flow:
Average throughput: 73.55 Mbit/s
95th percentile per-packet one-way delay: 139.045 ms
Loss rate: 0.66%
-- Flow 1:
Average throughput: 73.55 Mbit/s
95th percentile per-packet one-way delay: 139.045 ms
Loss rate: 0.66%

Run 8: Report of Indigo — Data Link

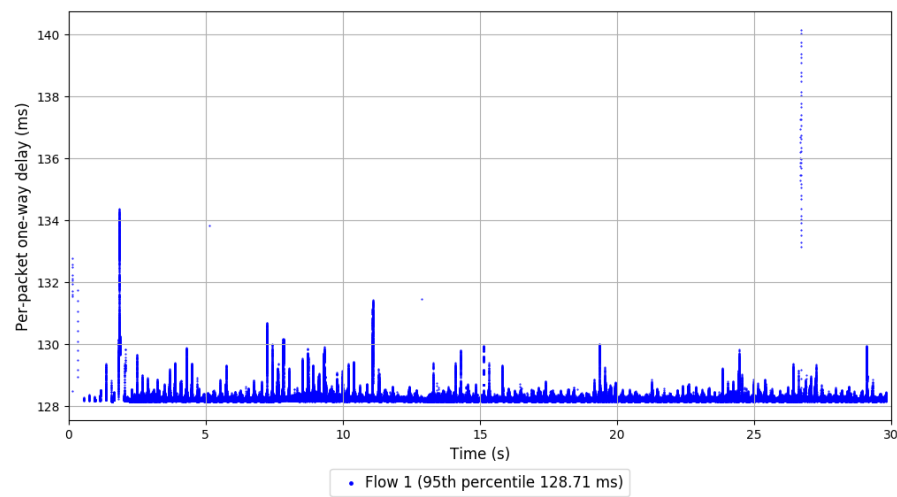
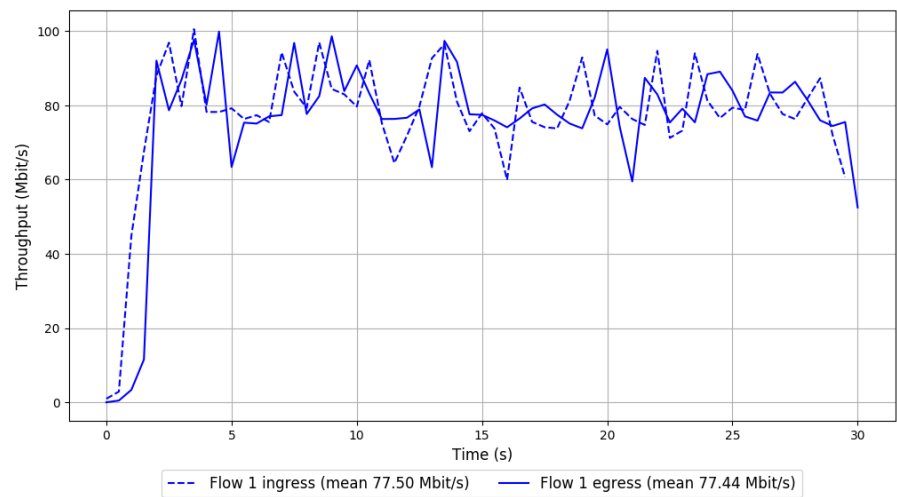


Run 9: Statistics of Indigo

Start at: 2018-08-01 19:51:09
End at: 2018-08-01 19:51:39
Local clock offset: 0.438 ms
Remote clock offset: -34.134 ms

Below is generated by plot.py at 2018-08-01 20:54:44
Datalink statistics
-- Total of 1 flow:
Average throughput: 77.44 Mbit/s
95th percentile per-packet one-way delay: 128.706 ms
Loss rate: 0.73%
-- Flow 1:
Average throughput: 77.44 Mbit/s
95th percentile per-packet one-way delay: 128.706 ms
Loss rate: 0.73%

Run 9: Report of Indigo — Data Link

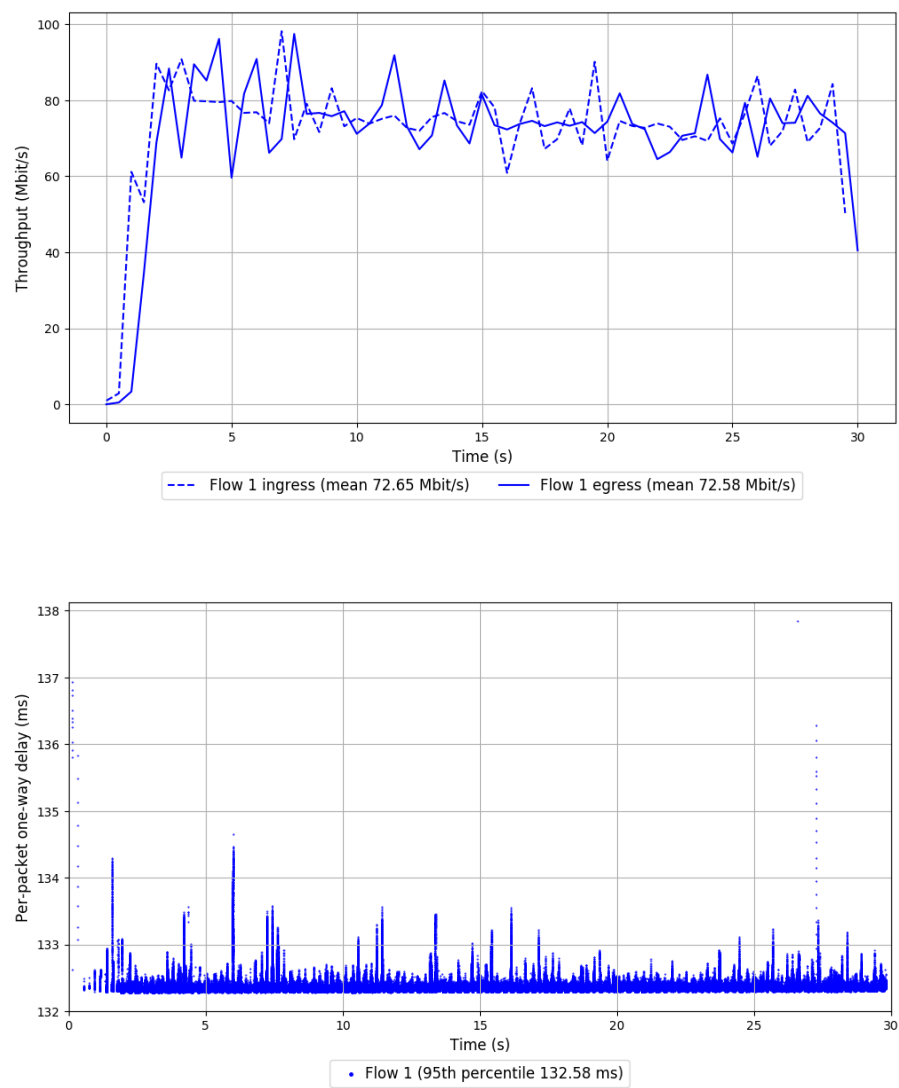


Run 10: Statistics of Indigo

Start at: 2018-08-01 20:12:49
End at: 2018-08-01 20:13:19
Local clock offset: -3.126 ms
Remote clock offset: -38.668 ms

Below is generated by plot.py at 2018-08-01 20:54:44
Datalink statistics
-- Total of 1 flow:
Average throughput: 72.58 Mbit/s
95th percentile per-packet one-way delay: 132.577 ms
Loss rate: 0.76%
-- Flow 1:
Average throughput: 72.58 Mbit/s
95th percentile per-packet one-way delay: 132.577 ms
Loss rate: 0.76%

Run 10: Report of Indigo — Data Link

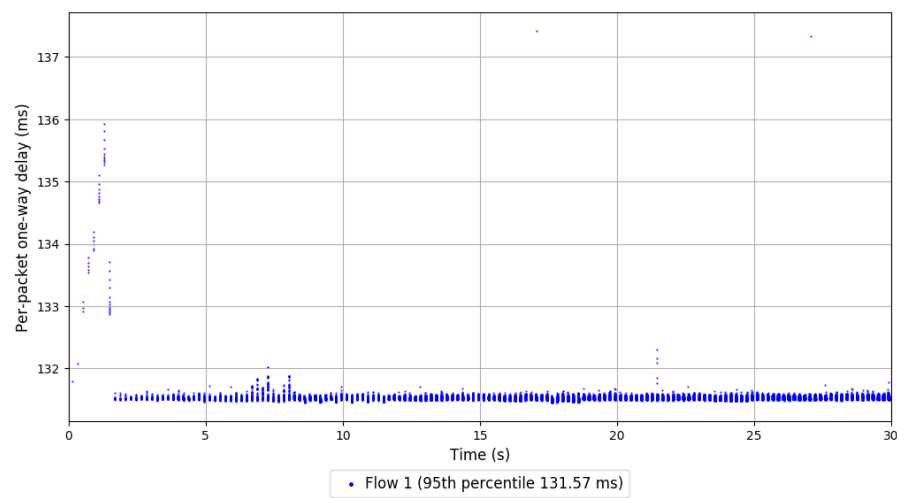
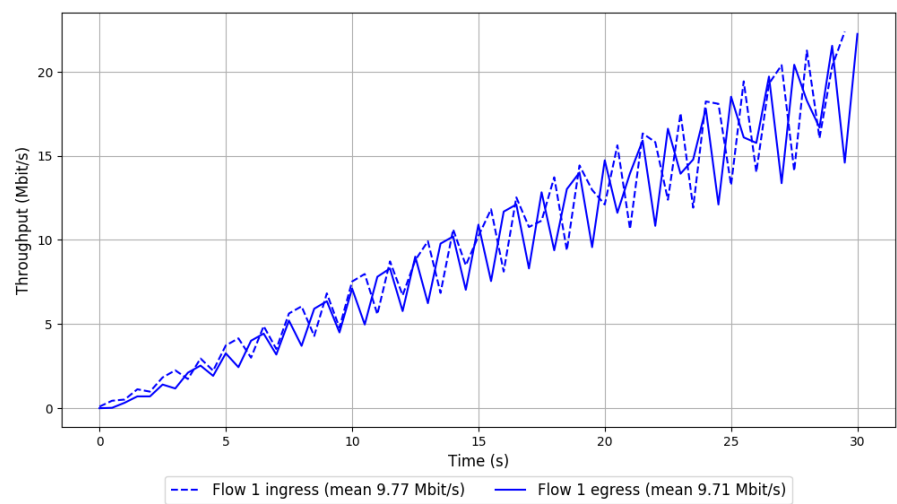


Run 1: Statistics of LEDBAT

Start at: 2018-08-01 16:26:09
End at: 2018-08-01 16:26:39
Local clock offset: -0.426 ms
Remote clock offset: -41.267 ms

Below is generated by plot.py at 2018-08-01 20:54:44
Datalink statistics
-- Total of 1 flow:
Average throughput: 9.71 Mbit/s
95th percentile per-packet one-way delay: 131.571 ms
Loss rate: 1.28%
-- Flow 1:
Average throughput: 9.71 Mbit/s
95th percentile per-packet one-way delay: 131.571 ms
Loss rate: 1.28%

Run 1: Report of LEDBAT — Data Link

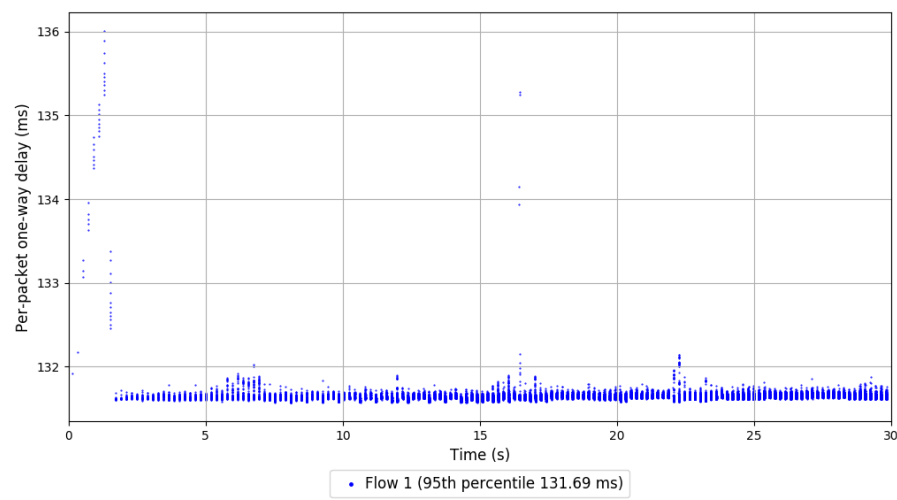
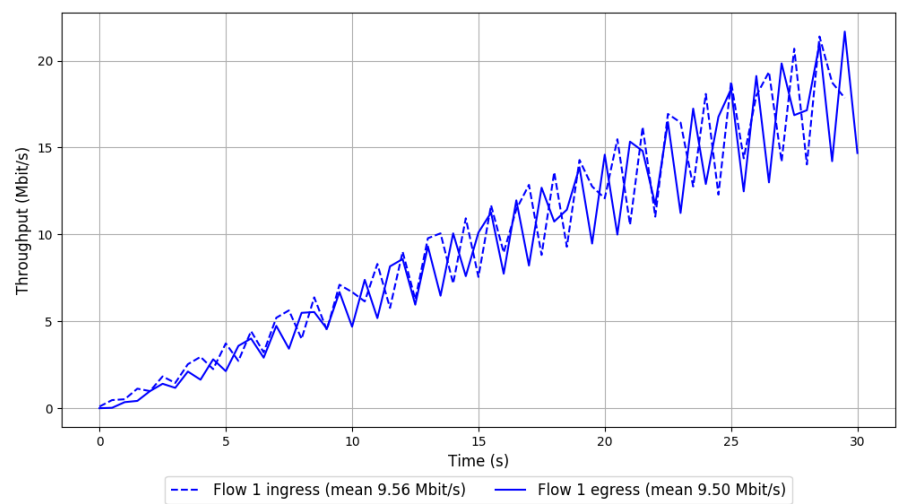


Run 2: Statistics of LEDBAT

Start at: 2018-08-01 16:53:51
End at: 2018-08-01 16:54:21
Local clock offset: 2.141 ms
Remote clock offset: -36.778 ms

Below is generated by plot.py at 2018-08-01 20:54:44
Datalink statistics
-- Total of 1 flow:
Average throughput: 9.50 Mbit/s
95th percentile per-packet one-way delay: 131.695 ms
Loss rate: 1.30%
-- Flow 1:
Average throughput: 9.50 Mbit/s
95th percentile per-packet one-way delay: 131.695 ms
Loss rate: 1.30%

Run 2: Report of LEDBAT — Data Link

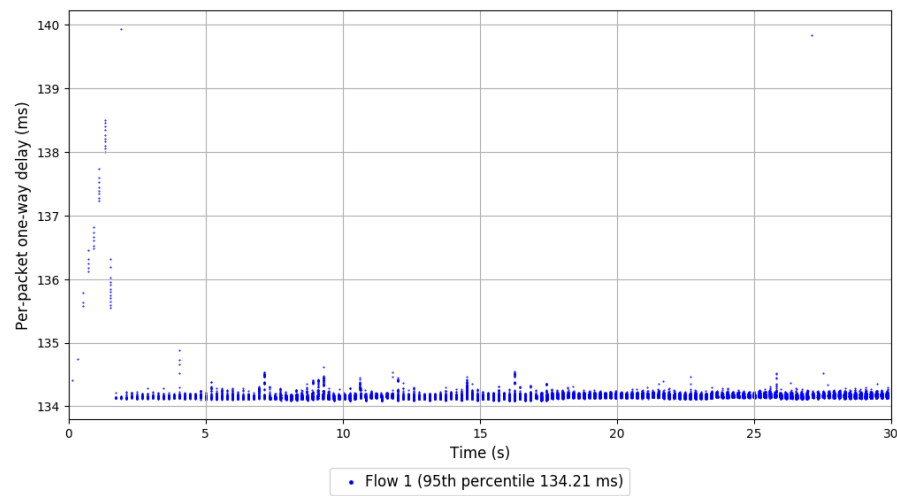
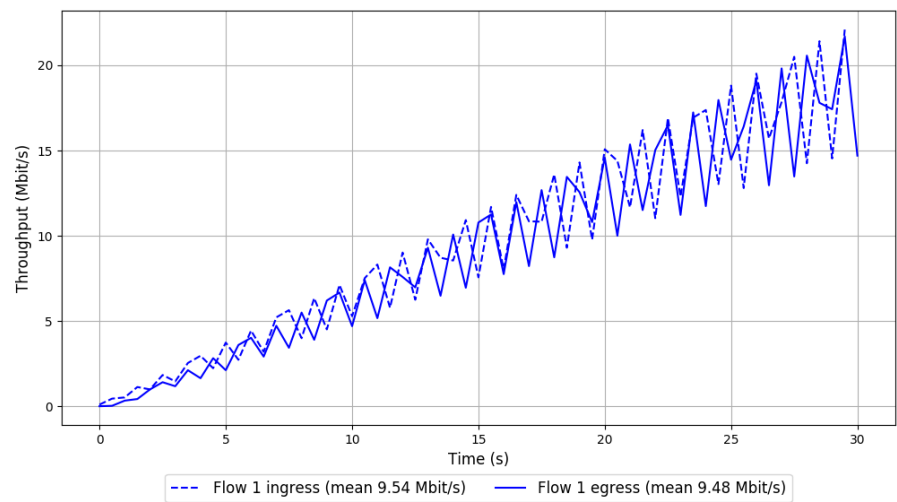


Run 3: Statistics of LEDBAT

Start at: 2018-08-01 17:21:10
End at: 2018-08-01 17:21:40
Local clock offset: 0.401 ms
Remote clock offset: -40.068 ms

Below is generated by plot.py at 2018-08-01 20:54:44
Datalink statistics
-- Total of 1 flow:
Average throughput: 9.48 Mbit/s
95th percentile per-packet one-way delay: 134.209 ms
Loss rate: 1.30%
-- Flow 1:
Average throughput: 9.48 Mbit/s
95th percentile per-packet one-way delay: 134.209 ms
Loss rate: 1.30%

Run 3: Report of LEDBAT — Data Link

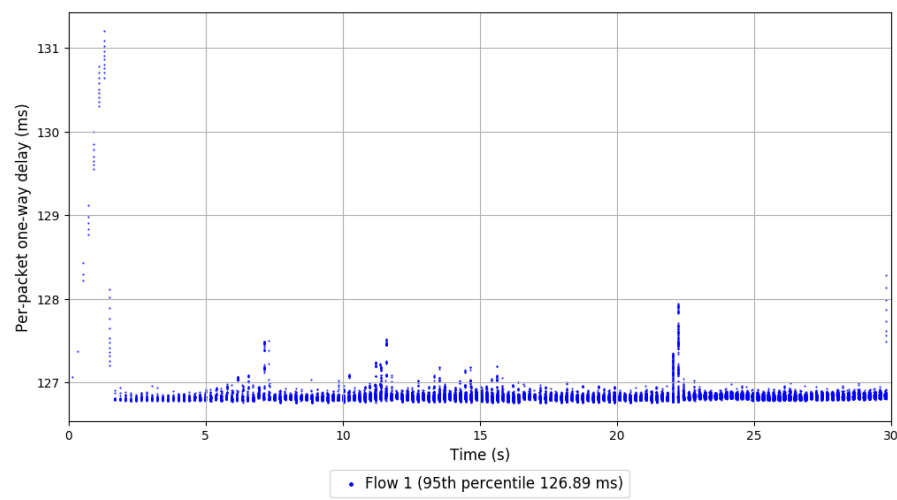
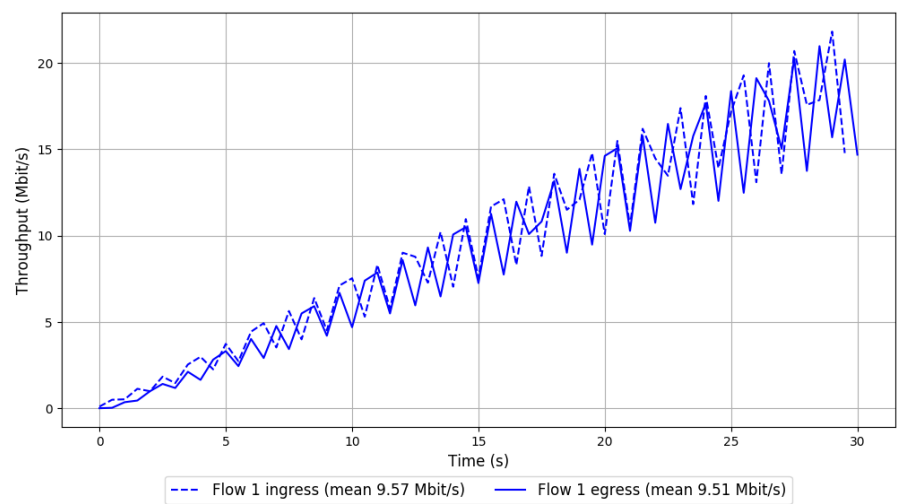


Run 4: Statistics of LEDBAT

Start at: 2018-08-01 17:42:59
End at: 2018-08-01 17:43:29
Local clock offset: -0.537 ms
Remote clock offset: -32.816 ms

Below is generated by plot.py at 2018-08-01 20:54:44
Datalink statistics
-- Total of 1 flow:
Average throughput: 9.51 Mbit/s
95th percentile per-packet one-way delay: 126.893 ms
Loss rate: 1.30%
-- Flow 1:
Average throughput: 9.51 Mbit/s
95th percentile per-packet one-way delay: 126.893 ms
Loss rate: 1.30%

Run 4: Report of LEDBAT — Data Link

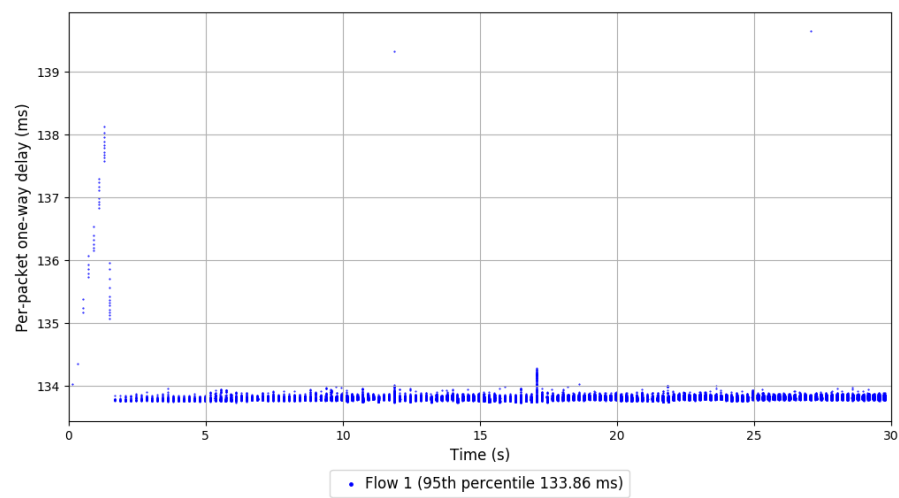
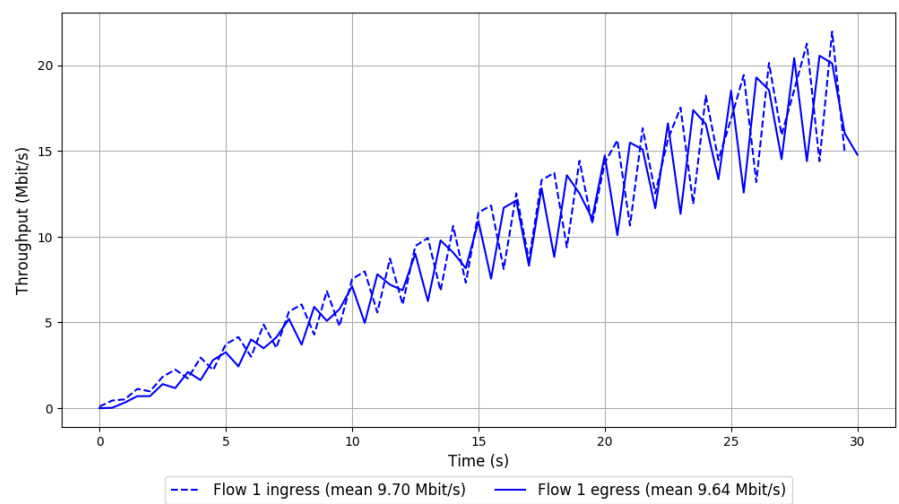


Run 5: Statistics of LEDBAT

Start at: 2018-08-01 18:10:14
End at: 2018-08-01 18:10:44
Local clock offset: 2.864 ms
Remote clock offset: -37.525 ms

Below is generated by plot.py at 2018-08-01 20:54:44
Datalink statistics
-- Total of 1 flow:
Average throughput: 9.64 Mbit/s
95th percentile per-packet one-way delay: 133.857 ms
Loss rate: 1.29%
-- Flow 1:
Average throughput: 9.64 Mbit/s
95th percentile per-packet one-way delay: 133.857 ms
Loss rate: 1.29%

Run 5: Report of LEDBAT — Data Link

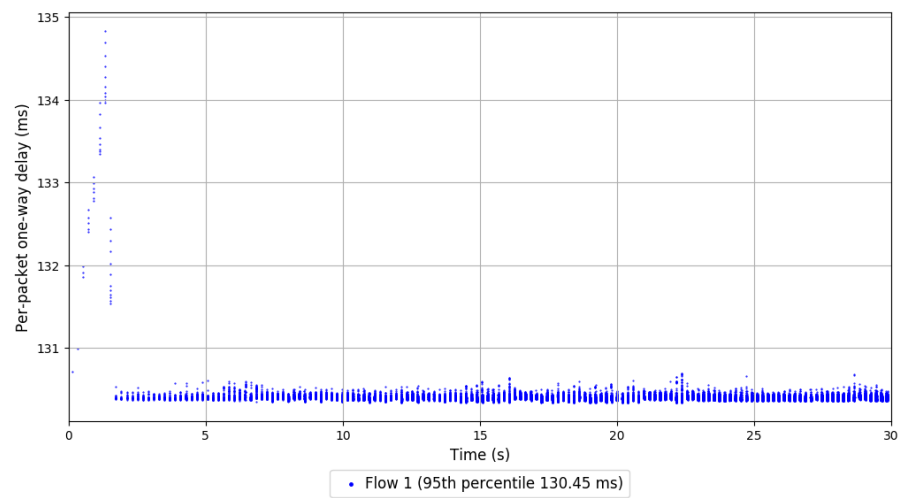
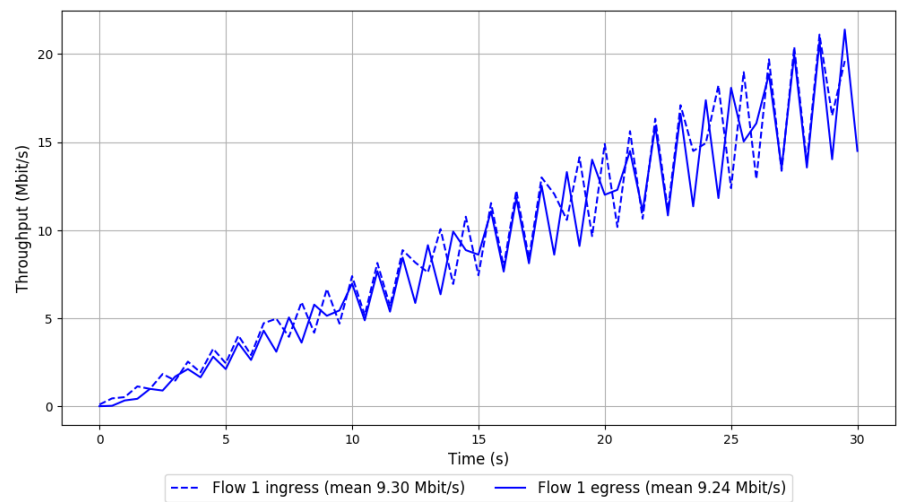


Run 6: Statistics of LEDBAT

Start at: 2018-08-01 18:32:23
End at: 2018-08-01 18:32:53
Local clock offset: 2.607 ms
Remote clock offset: -33.02 ms

Below is generated by plot.py at 2018-08-01 20:54:44
Datalink statistics
-- Total of 1 flow:
Average throughput: 9.24 Mbit/s
95th percentile per-packet one-way delay: 130.454 ms
Loss rate: 1.31%
-- Flow 1:
Average throughput: 9.24 Mbit/s
95th percentile per-packet one-way delay: 130.454 ms
Loss rate: 1.31%

Run 6: Report of LEDBAT — Data Link

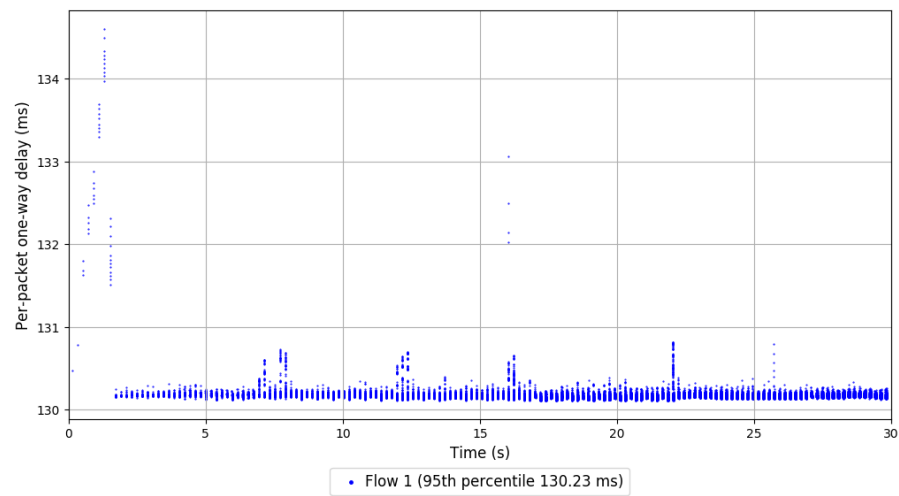
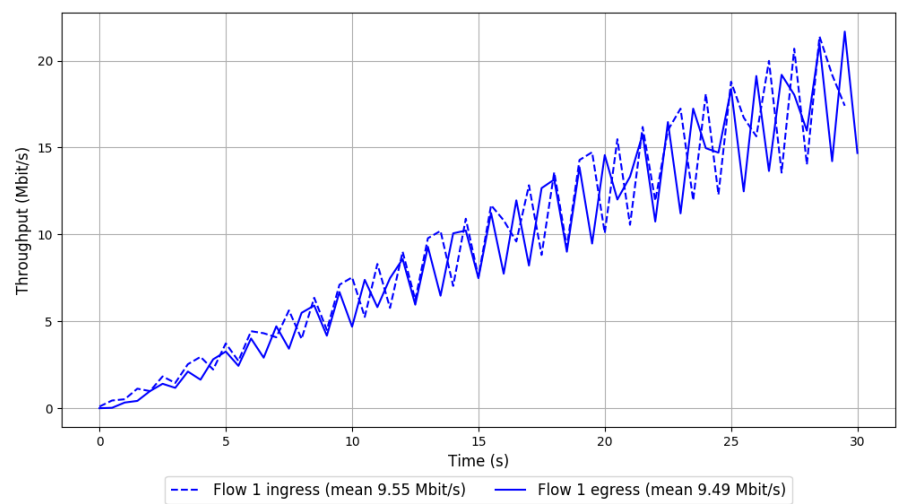


Run 7: Statistics of LEDBAT

Start at: 2018-08-01 19:05:46
End at: 2018-08-01 19:06:16
Local clock offset: 2.909 ms
Remote clock offset: -32.703 ms

Below is generated by plot.py at 2018-08-01 20:54:44
Datalink statistics
-- Total of 1 flow:
Average throughput: 9.49 Mbit/s
95th percentile per-packet one-way delay: 130.231 ms
Loss rate: 1.30%
-- Flow 1:
Average throughput: 9.49 Mbit/s
95th percentile per-packet one-way delay: 130.231 ms
Loss rate: 1.30%

Run 7: Report of LEDBAT — Data Link

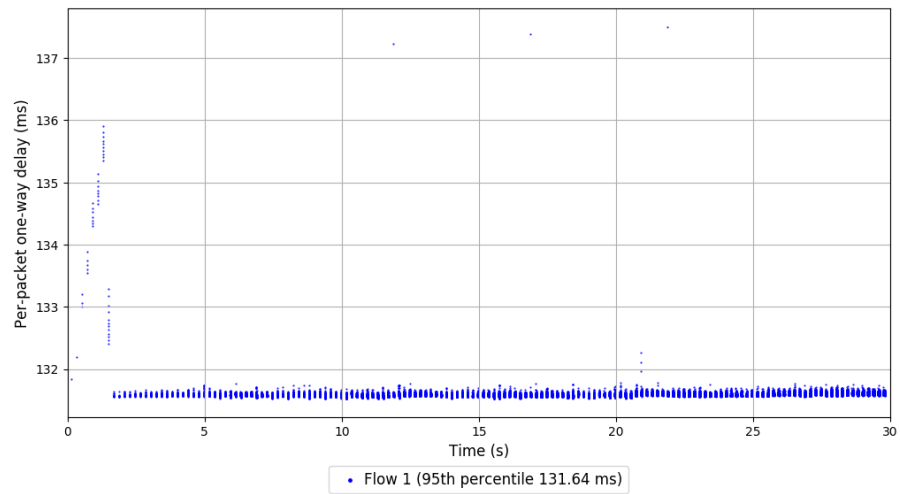
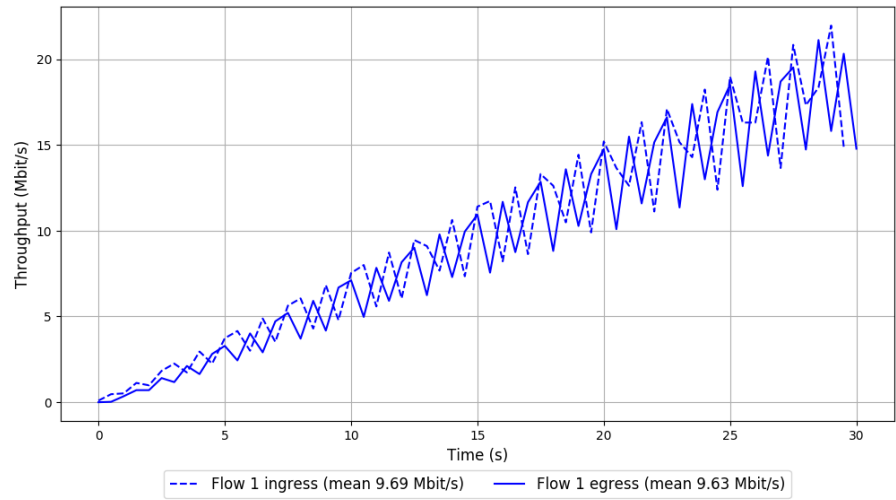


Run 8: Statistics of LEDBAT

Start at: 2018-08-01 19:27:48
End at: 2018-08-01 19:28:18
Local clock offset: -0.776 ms
Remote clock offset: -39.114 ms

Below is generated by plot.py at 2018-08-01 20:54:44
Datalink statistics
-- Total of 1 flow:
Average throughput: 9.63 Mbit/s
95th percentile per-packet one-way delay: 131.641 ms
Loss rate: 1.29%
-- Flow 1:
Average throughput: 9.63 Mbit/s
95th percentile per-packet one-way delay: 131.641 ms
Loss rate: 1.29%

Run 8: Report of LEDBAT — Data Link

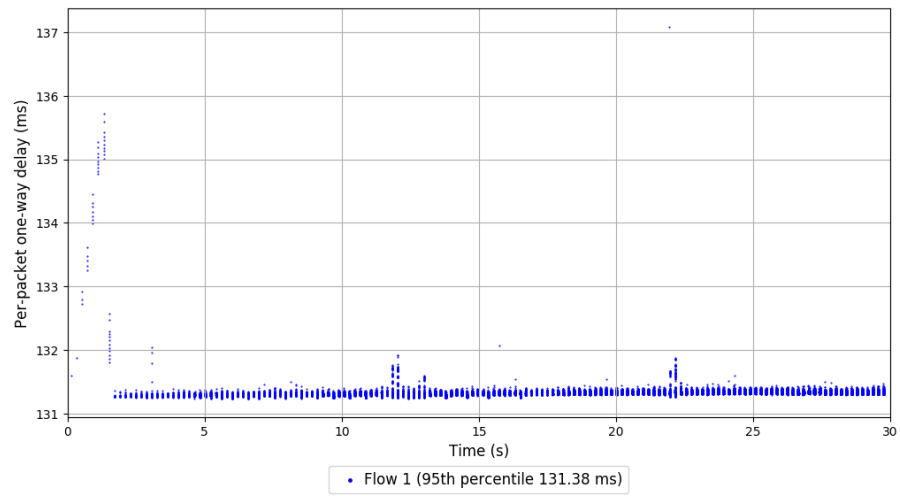
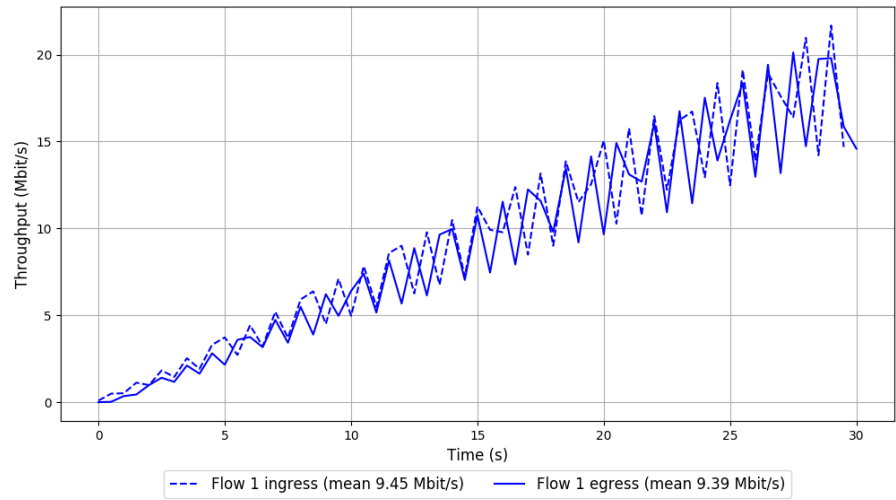


Run 9: Statistics of LEDBAT

Start at: 2018-08-01 19:55:13
End at: 2018-08-01 19:55:43
Local clock offset: -0.823 ms
Remote clock offset: -37.965 ms

Below is generated by plot.py at 2018-08-01 20:54:44
Datalink statistics
-- Total of 1 flow:
Average throughput: 9.39 Mbit/s
95th percentile per-packet one-way delay: 131.375 ms
Loss rate: 1.31%
-- Flow 1:
Average throughput: 9.39 Mbit/s
95th percentile per-packet one-way delay: 131.375 ms
Loss rate: 1.31%

Run 9: Report of LEDBAT — Data Link

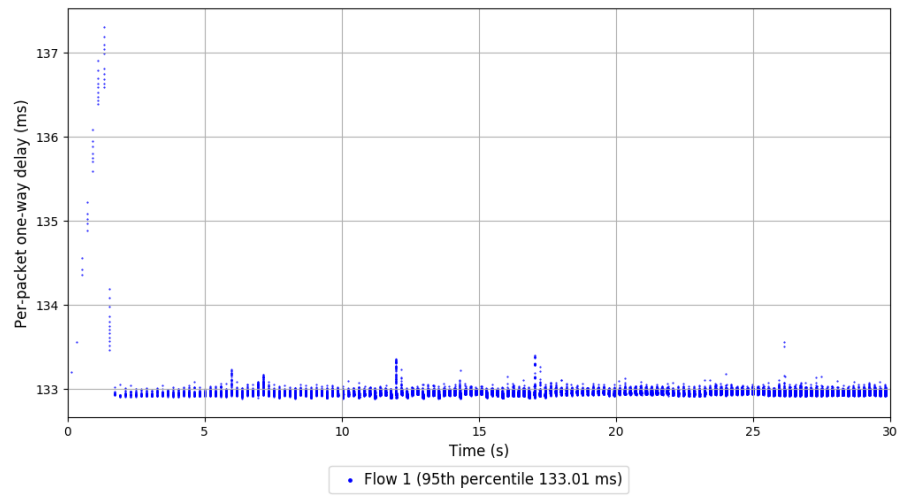
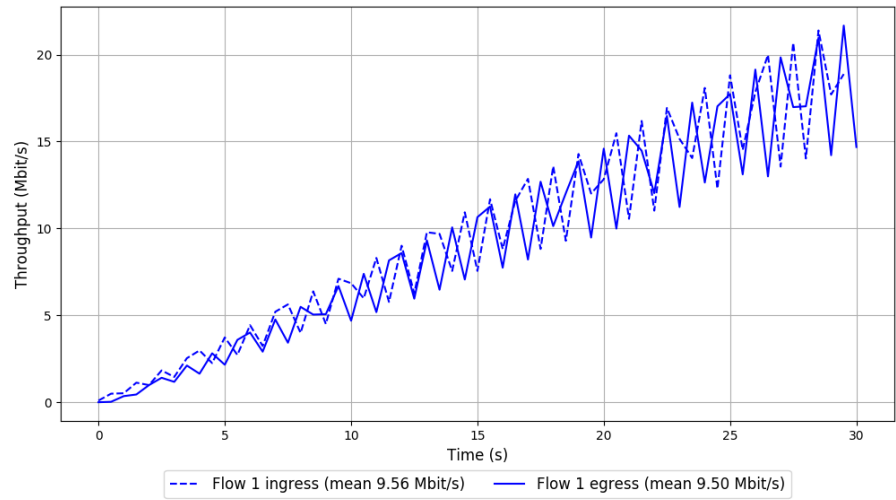


Run 10: Statistics of LEDBAT

Start at: 2018-08-01 20:16:56
End at: 2018-08-01 20:17:26
Local clock offset: -2.451 ms
Remote clock offset: -38.492 ms

Below is generated by plot.py at 2018-08-01 20:54:44
Datalink statistics
-- Total of 1 flow:
Average throughput: 9.50 Mbit/s
95th percentile per-packet one-way delay: 133.006 ms
Loss rate: 1.30%
-- Flow 1:
Average throughput: 9.50 Mbit/s
95th percentile per-packet one-way delay: 133.006 ms
Loss rate: 1.30%

Run 10: Report of LEDBAT — Data Link

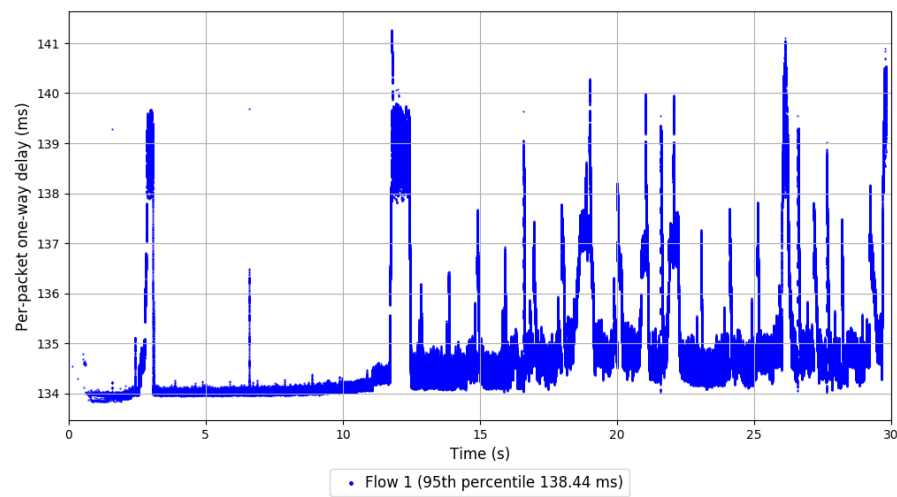
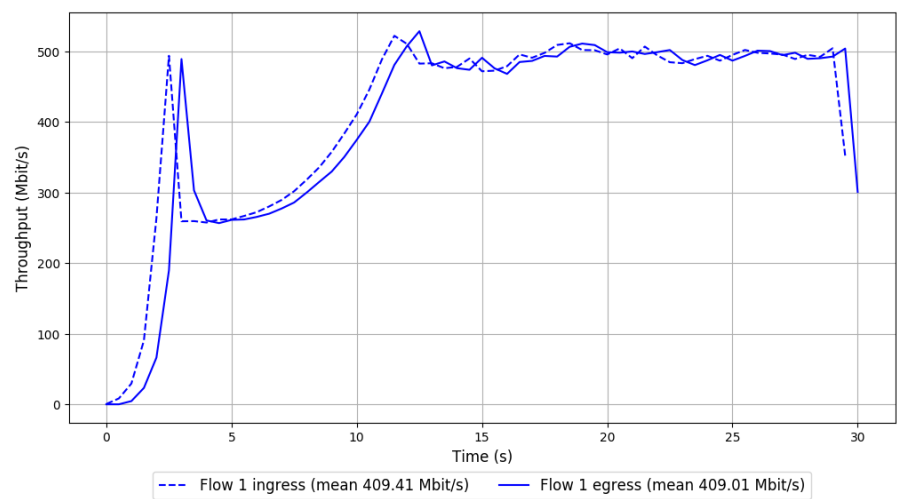


```
Run 1: Statistics of PCC-Allegro

Start at: 2018-08-01 16:24:44
End at: 2018-08-01 16:25:14
Local clock offset: 0.147 ms
Remote clock offset: -41.541 ms

# Below is generated by plot.py at 2018-08-01 20:57:46
# Datalink statistics
-- Total of 1 flow:
Average throughput: 409.01 Mbit/s
95th percentile per-packet one-way delay: 138.444 ms
Loss rate: 0.77%
-- Flow 1:
Average throughput: 409.01 Mbit/s
95th percentile per-packet one-way delay: 138.444 ms
Loss rate: 0.77%
```

Run 1: Report of PCC-Allegro — Data Link



Run 2: Statistics of PCC-Allegro

Start at: 2018-08-01 16:52:26

End at: 2018-08-01 16:52:56

Local clock offset: 1.139 ms

Remote clock offset: -40.397 ms

Below is generated by plot.py at 2018-08-01 20:57:46

Datalink statistics

-- Total of 1 flow:

Average throughput: 400.15 Mbit/s

95th percentile per-packet one-way delay: 140.070 ms

Loss rate: 0.80%

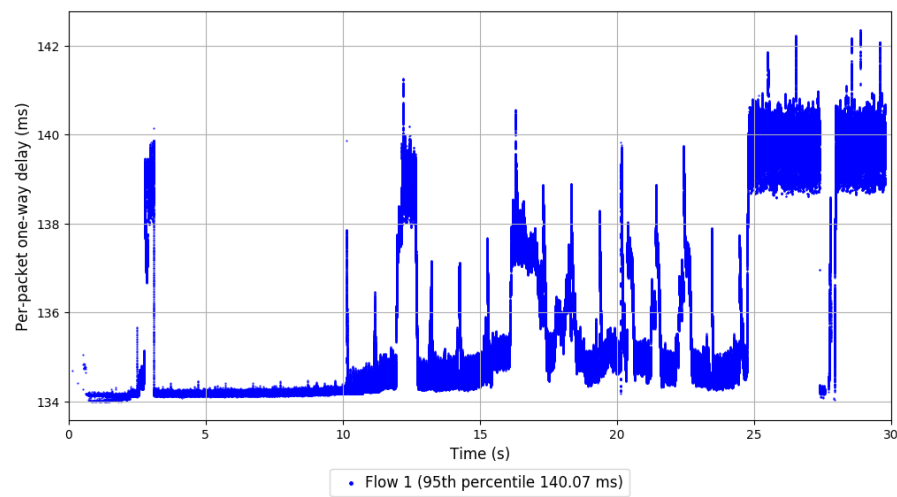
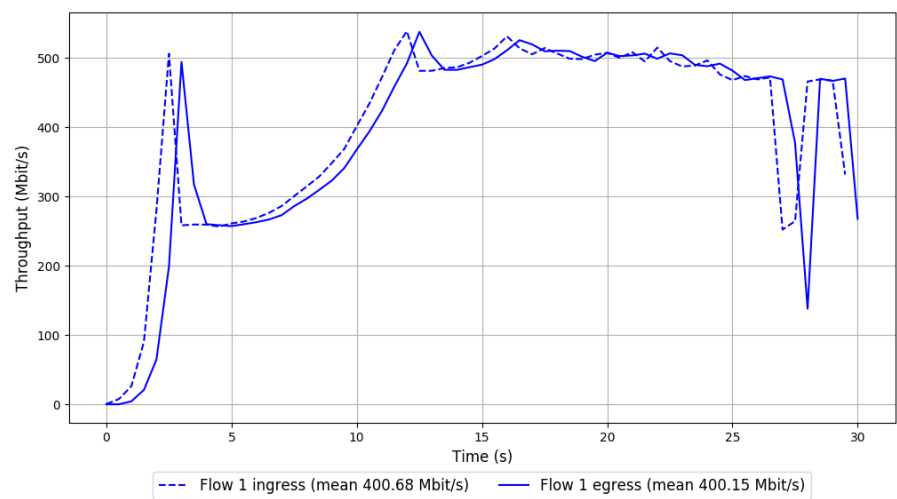
-- Flow 1:

Average throughput: 400.15 Mbit/s

95th percentile per-packet one-way delay: 140.070 ms

Loss rate: 0.80%

Run 2: Report of PCC-Allegro — Data Link

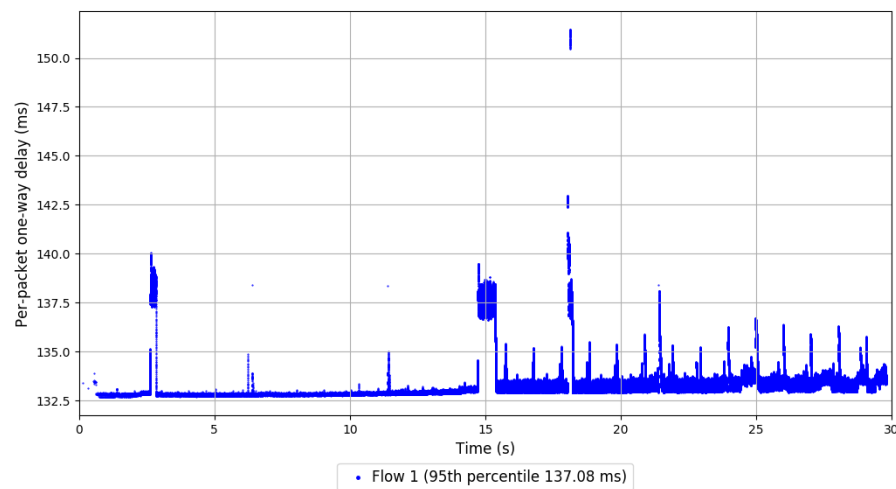
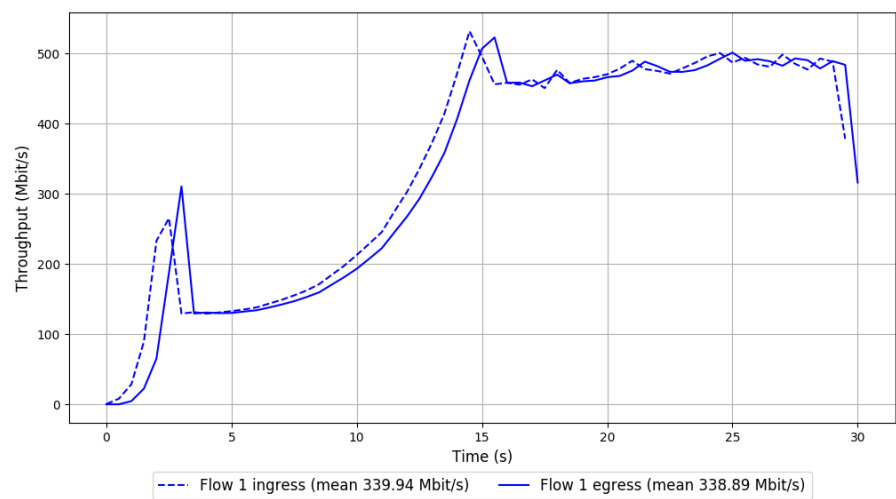


Run 3: Statistics of PCC-Allegro

Start at: 2018-08-01 17:19:48
End at: 2018-08-01 17:20:18
Local clock offset: 3.054 ms
Remote clock offset: -36.132 ms

Below is generated by plot.py at 2018-08-01 20:57:46
Datalink statistics
-- Total of 1 flow:
Average throughput: 338.89 Mbit/s
95th percentile per-packet one-way delay: 137.076 ms
Loss rate: 0.97%
-- Flow 1:
Average throughput: 338.89 Mbit/s
95th percentile per-packet one-way delay: 137.076 ms
Loss rate: 0.97%

Run 3: Report of PCC-Allegro — Data Link



Run 4: Statistics of PCC-Allegro

Start at: 2018-08-01 17:41:37

End at: 2018-08-01 17:42:07

Local clock offset: -0.582 ms

Remote clock offset: -35.558 ms

Below is generated by plot.py at 2018-08-01 20:57:46

Datalink statistics

-- Total of 1 flow:

Average throughput: 338.16 Mbit/s

95th percentile per-packet one-way delay: 133.986 ms

Loss rate: 0.04%

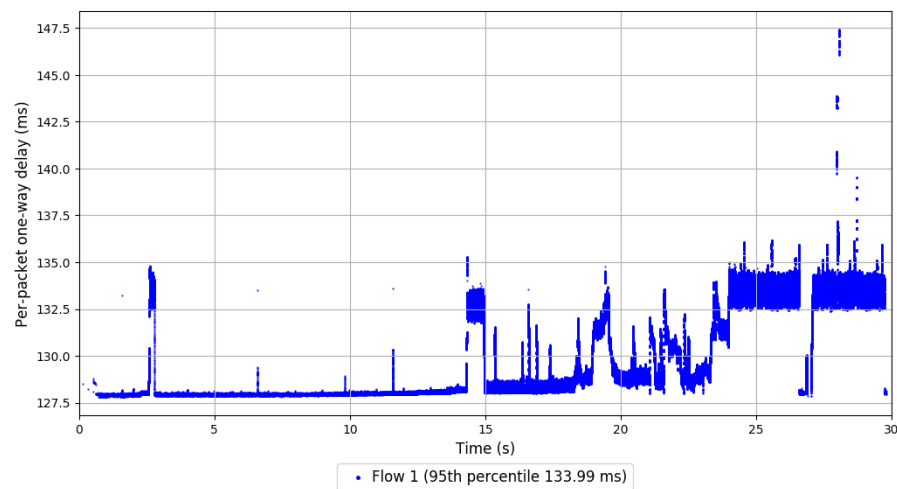
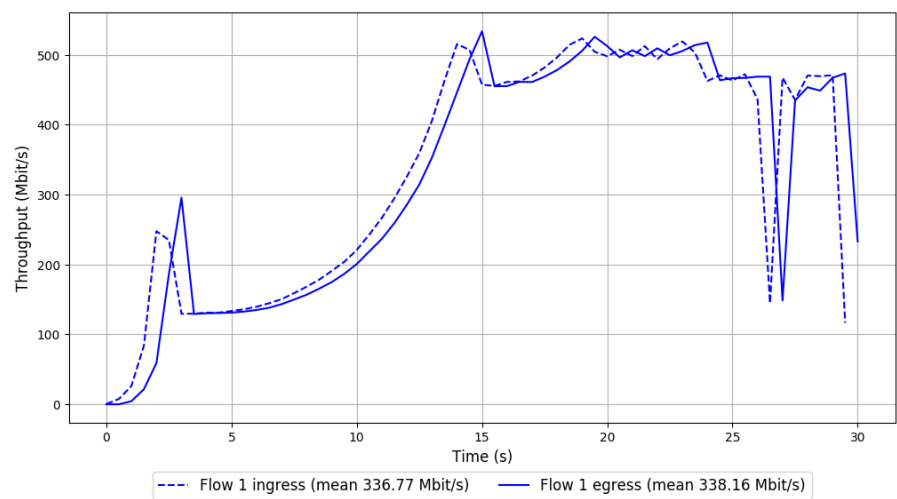
-- Flow 1:

Average throughput: 338.16 Mbit/s

95th percentile per-packet one-way delay: 133.986 ms

Loss rate: 0.04%

Run 4: Report of PCC-Allegro — Data Link



Run 5: Statistics of PCC-Allegro

Start at: 2018-08-01 18:08:49

End at: 2018-08-01 18:09:19

Local clock offset: 2.328 ms

Remote clock offset: -42.911 ms

Below is generated by plot.py at 2018-08-01 20:57:48

Datalink statistics

-- Total of 1 flow:

Average throughput: 400.18 Mbit/s

95th percentile per-packet one-way delay: 143.755 ms

Loss rate: 0.82%

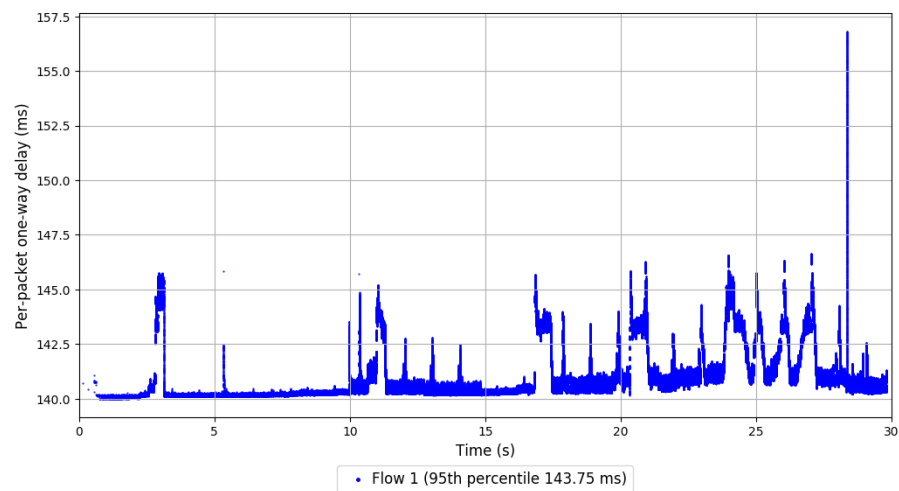
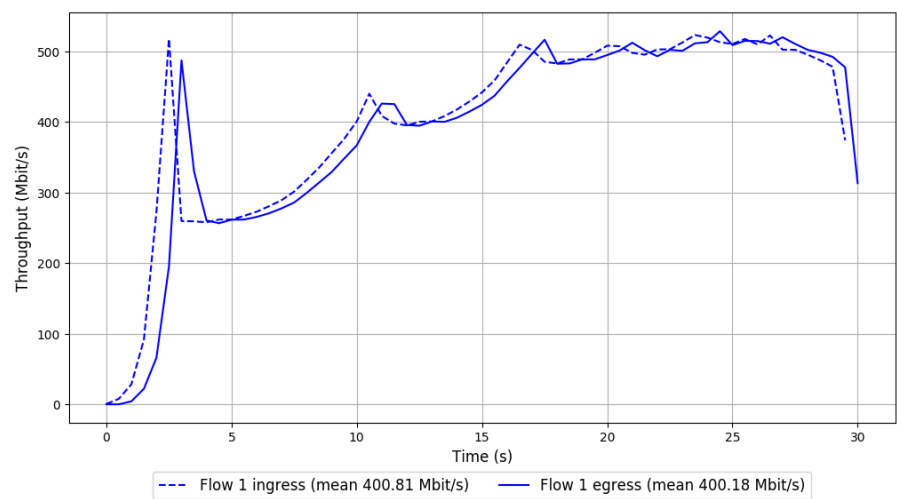
-- Flow 1:

Average throughput: 400.18 Mbit/s

95th percentile per-packet one-way delay: 143.755 ms

Loss rate: 0.82%

Run 5: Report of PCC-Allegro — Data Link



Run 6: Statistics of PCC-Allegro

Start at: 2018-08-01 18:31:00

End at: 2018-08-01 18:31:30

Local clock offset: 2.367 ms

Remote clock offset: -35.331 ms

Below is generated by plot.py at 2018-08-01 20:57:48

Datalink statistics

-- Total of 1 flow:

Average throughput: 347.42 Mbit/s

95th percentile per-packet one-way delay: 135.202 ms

Loss rate: 5.48%

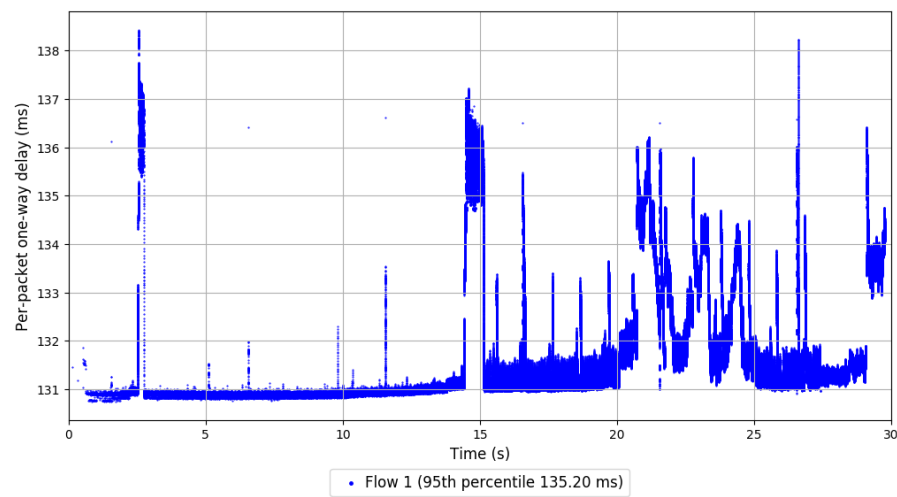
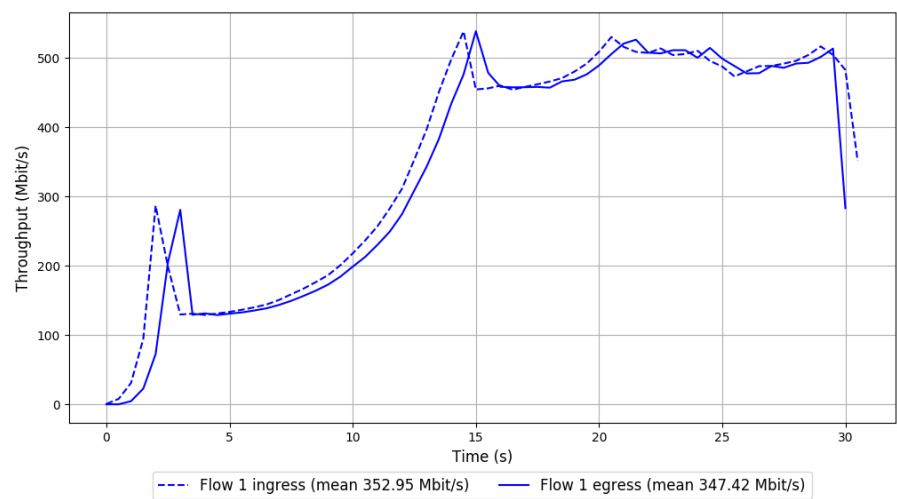
-- Flow 1:

Average throughput: 347.42 Mbit/s

95th percentile per-packet one-way delay: 135.202 ms

Loss rate: 5.48%

Run 6: Report of PCC-Allegro — Data Link



Run 7: Statistics of PCC-Allegro

Start at: 2018-08-01 18:58:54

End at: 2018-08-01 18:59:24

Local clock offset: 2.551 ms

Remote clock offset: -38.417 ms

Below is generated by plot.py at 2018-08-01 20:58:31

Datalink statistics

-- Total of 1 flow:

Average throughput: 394.63 Mbit/s

95th percentile per-packet one-way delay: 139.017 ms

Loss rate: 0.85%

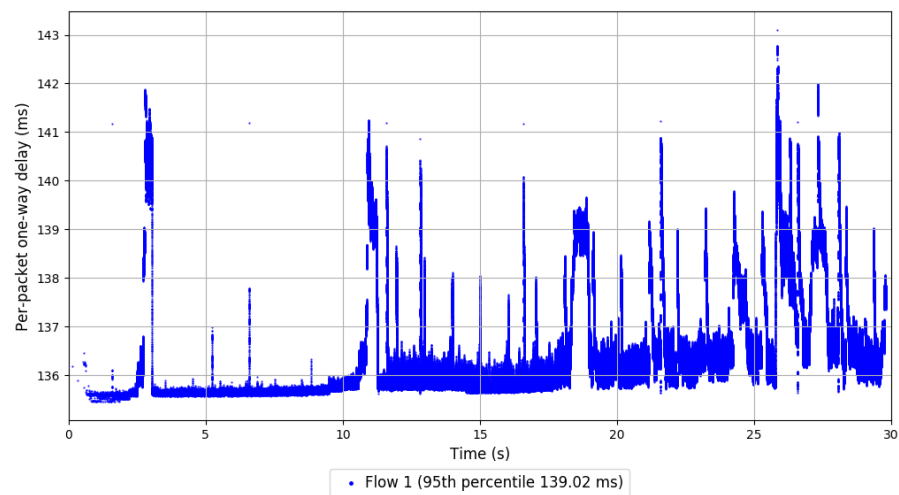
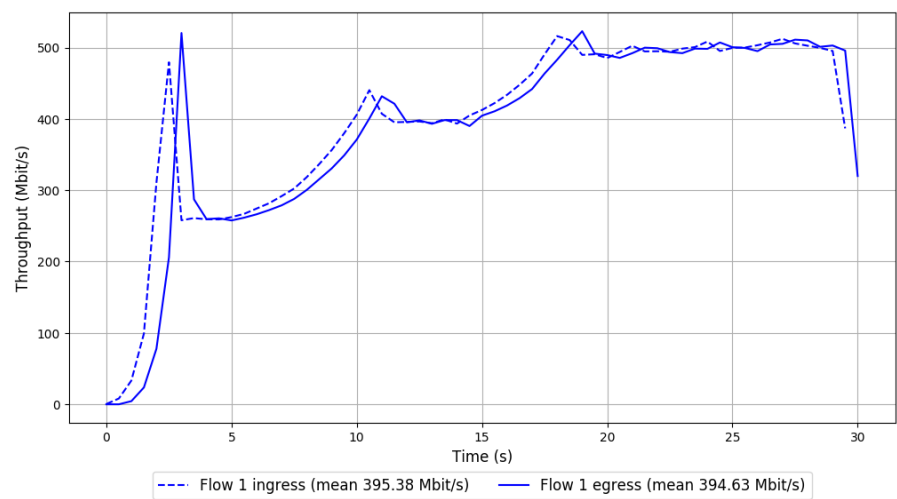
-- Flow 1:

Average throughput: 394.63 Mbit/s

95th percentile per-packet one-way delay: 139.017 ms

Loss rate: 0.85%

Run 7: Report of PCC-Allegro — Data Link



Run 8: Statistics of PCC-Allegro

Start at: 2018-08-01 19:26:24

End at: 2018-08-01 19:26:54

Local clock offset: -0.022 ms

Remote clock offset: -37.804 ms

Below is generated by plot.py at 2018-08-01 20:59:09

Datalink statistics

-- Total of 1 flow:

Average throughput: 393.63 Mbit/s

95th percentile per-packet one-way delay: 135.249 ms

Loss rate: 0.85%

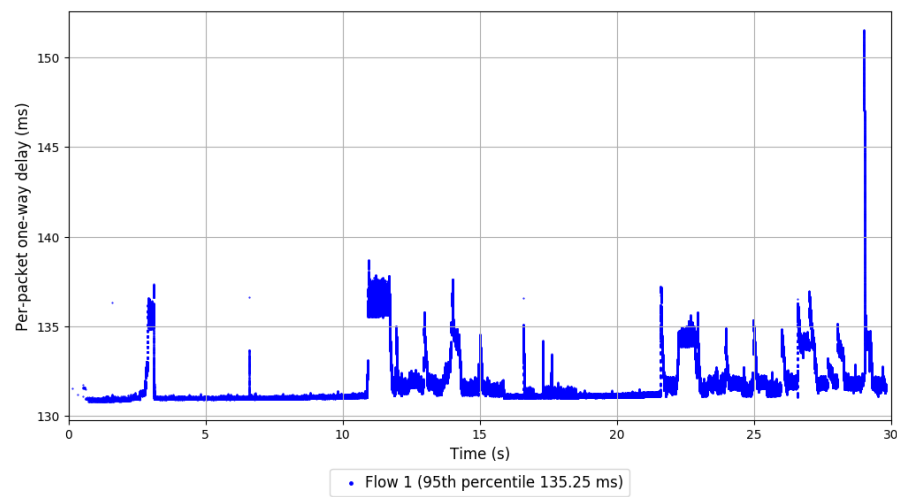
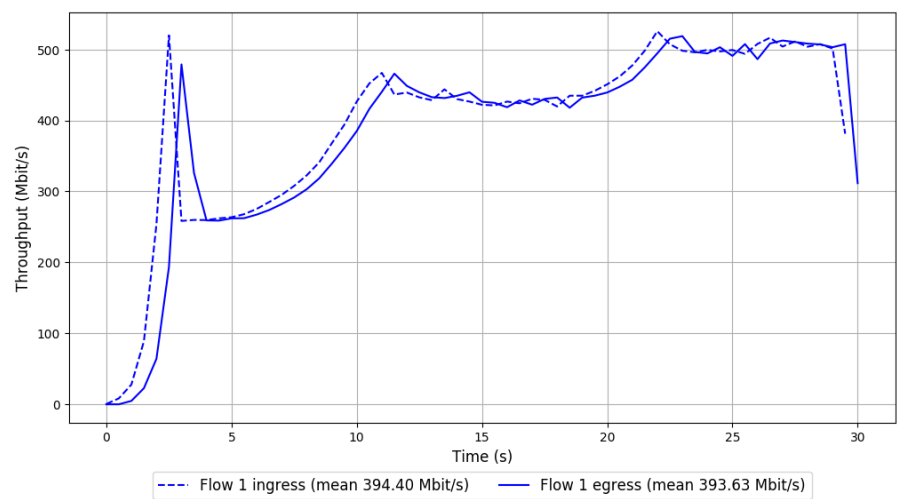
-- Flow 1:

Average throughput: 393.63 Mbit/s

95th percentile per-packet one-way delay: 135.249 ms

Loss rate: 0.85%

Run 8: Report of PCC-Allegro — Data Link

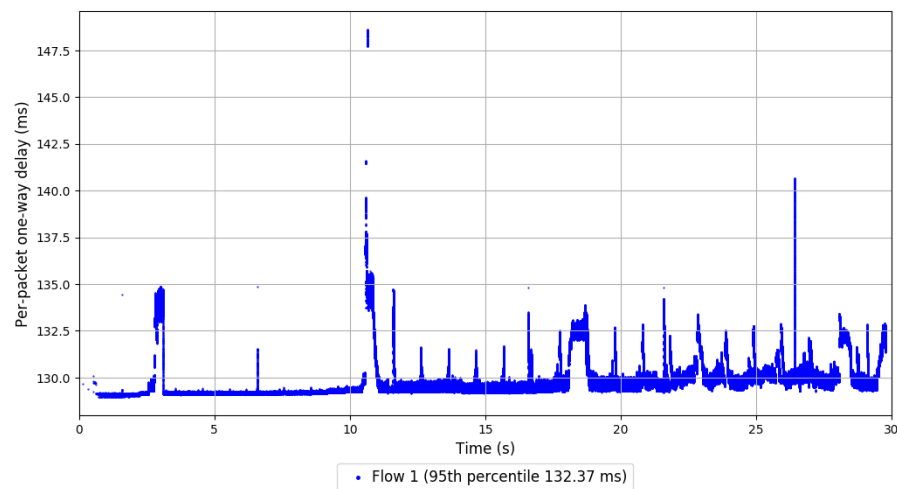
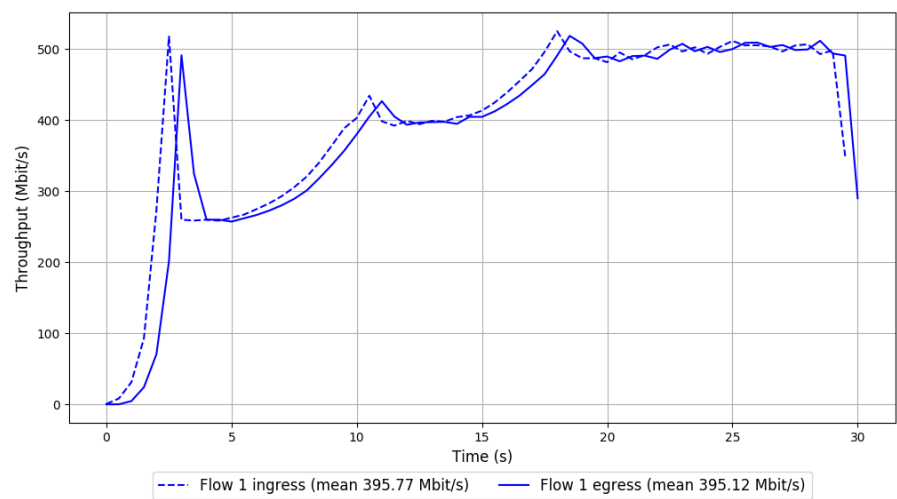


Run 9: Statistics of PCC-Allegro

Start at: 2018-08-01 19:53:49
End at: 2018-08-01 19:54:19
Local clock offset: -0.796 ms
Remote clock offset: -34.364 ms

Below is generated by plot.py at 2018-08-01 21:01:28
Datalink statistics
-- Total of 1 flow:
Average throughput: 395.12 Mbit/s
95th percentile per-packet one-way delay: 132.366 ms
Loss rate: 0.82%
-- Flow 1:
Average throughput: 395.12 Mbit/s
95th percentile per-packet one-way delay: 132.366 ms
Loss rate: 0.82%

Run 9: Report of PCC-Allegro — Data Link



Run 10: Statistics of PCC-Allegro

Start at: 2018-08-01 20:15:31

End at: 2018-08-01 20:16:01

Local clock offset: -0.786 ms

Remote clock offset: -36.783 ms

Below is generated by plot.py at 2018-08-01 21:01:34

Datalink statistics

-- Total of 1 flow:

Average throughput: 399.33 Mbit/s

95th percentile per-packet one-way delay: 138.686 ms

Loss rate: 0.95%

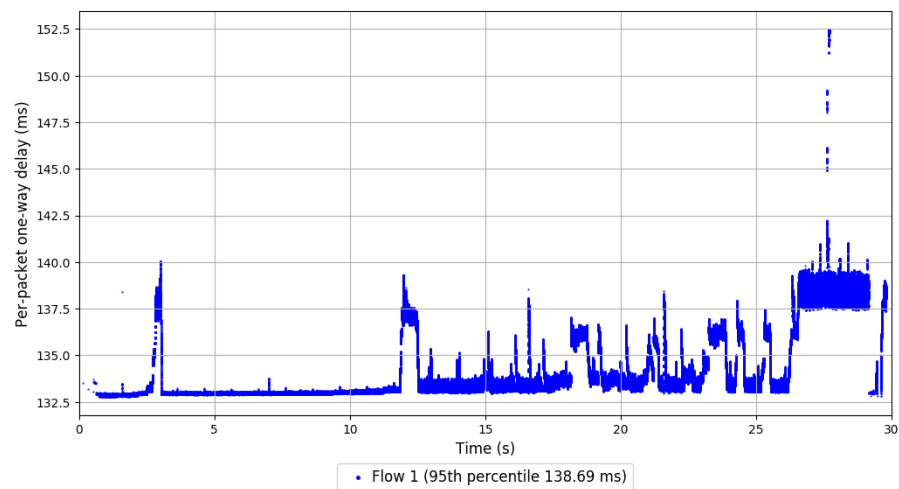
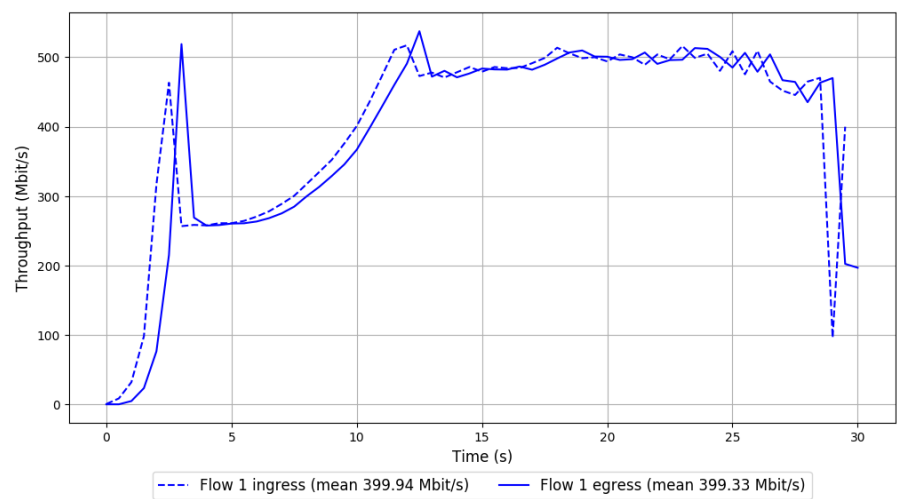
-- Flow 1:

Average throughput: 399.33 Mbit/s

95th percentile per-packet one-way delay: 138.686 ms

Loss rate: 0.95%

Run 10: Report of PCC-Allegro — Data Link

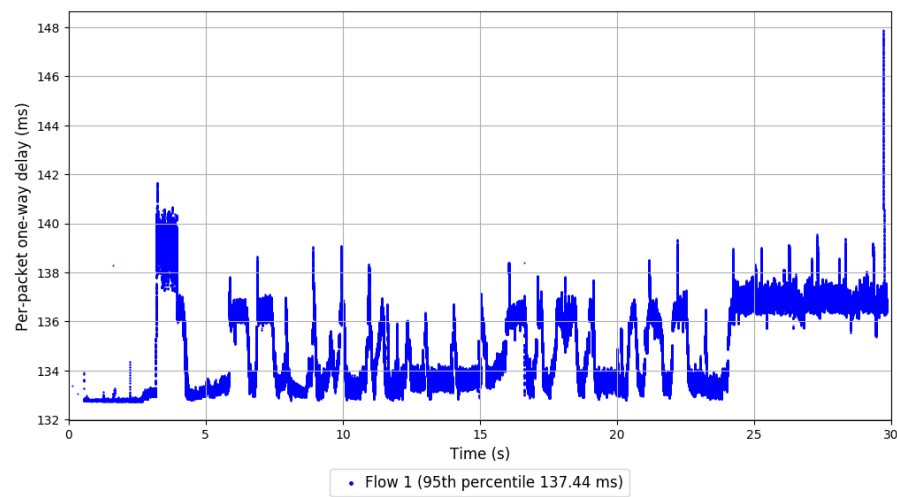
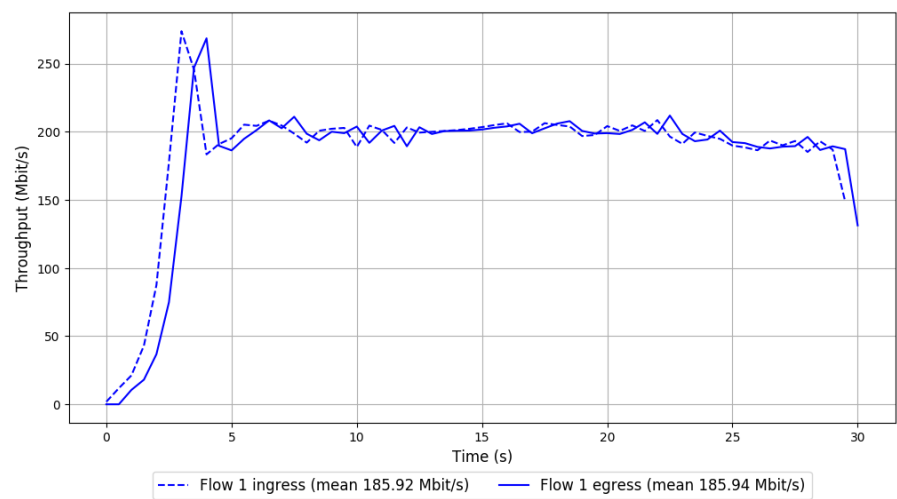


```
Run 1: Statistics of PCC-Expr

Start at: 2018-08-01 16:23:17
End at: 2018-08-01 16:23:47
Local clock offset: 2.134 ms
Remote clock offset: -40.018 ms

# Below is generated by plot.py at 2018-08-01 21:01:34
# Datalink statistics
-- Total of 1 flow:
Average throughput: 185.94 Mbit/s
95th percentile per-packet one-way delay: 137.442 ms
Loss rate: 0.65%
-- Flow 1:
Average throughput: 185.94 Mbit/s
95th percentile per-packet one-way delay: 137.442 ms
Loss rate: 0.65%
```


Run 1: Report of PCC-Expr — Data Link

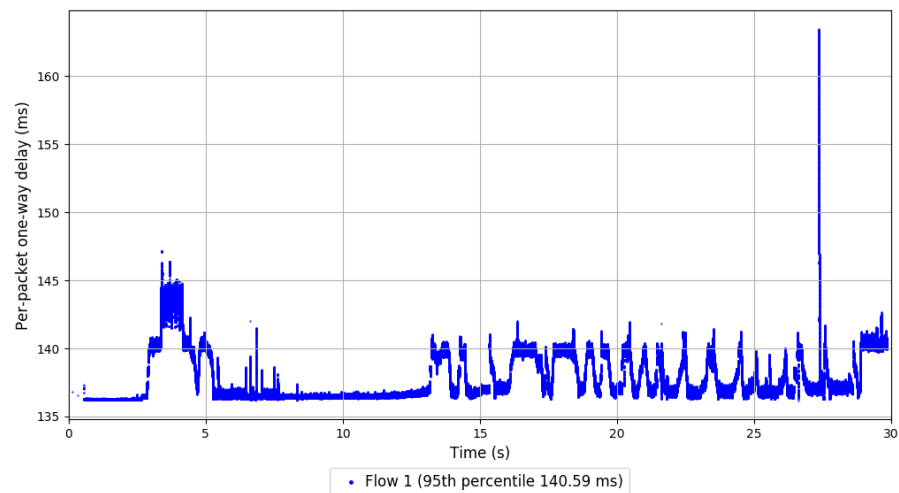
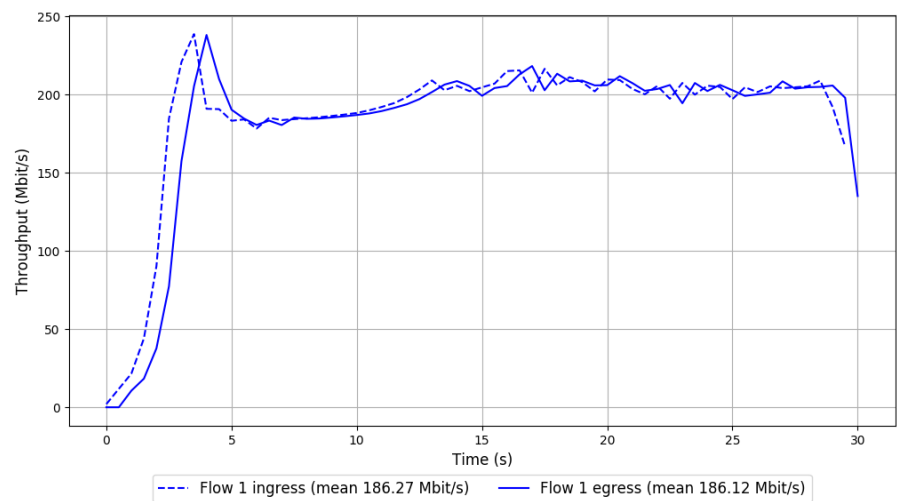


Run 2: Statistics of PCC-Expr

Start at: 2018-08-01 16:50:52
End at: 2018-08-01 16:51:22
Local clock offset: 2.718 ms
Remote clock offset: -42.55 ms

Below is generated by plot.py at 2018-08-01 21:01:34
Datalink statistics
-- Total of 1 flow:
Average throughput: 186.12 Mbit/s
95th percentile per-packet one-way delay: 140.585 ms
Loss rate: 0.77%
-- Flow 1:
Average throughput: 186.12 Mbit/s
95th percentile per-packet one-way delay: 140.585 ms
Loss rate: 0.77%

Run 2: Report of PCC-Expr — Data Link

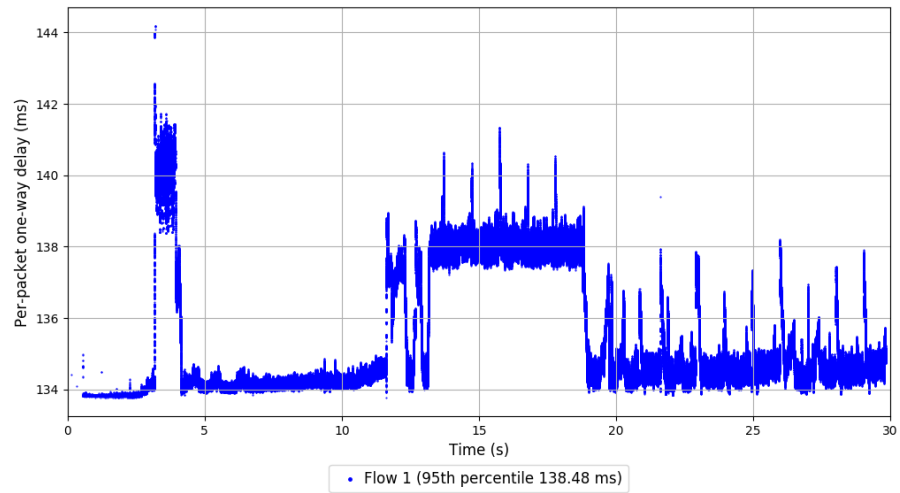
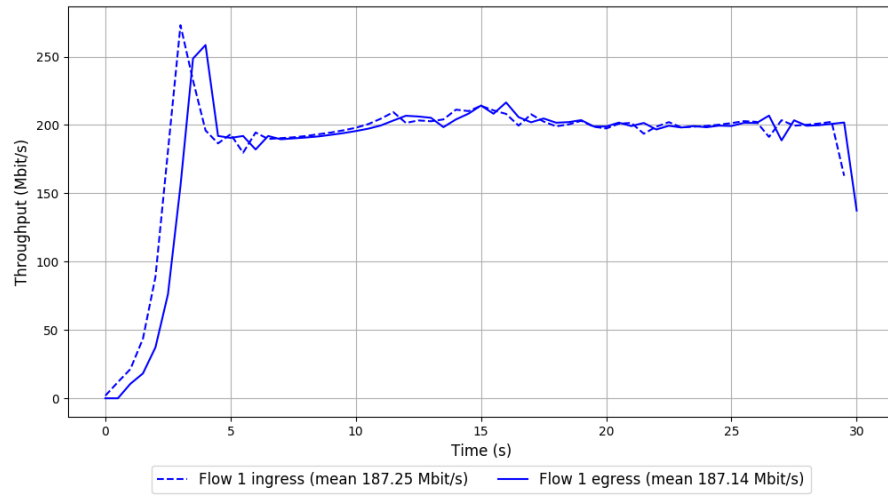


Run 3: Statistics of PCC-Expr

Start at: 2018-08-01 17:18:21
End at: 2018-08-01 17:18:51
Local clock offset: 0.57 ms
Remote clock offset: -39.714 ms

Below is generated by plot.py at 2018-08-01 21:01:37
Datalink statistics
-- Total of 1 flow:
Average throughput: 187.14 Mbit/s
95th percentile per-packet one-way delay: 138.483 ms
Loss rate: 0.72%
-- Flow 1:
Average throughput: 187.14 Mbit/s
95th percentile per-packet one-way delay: 138.483 ms
Loss rate: 0.72%

Run 3: Report of PCC-Expr — Data Link

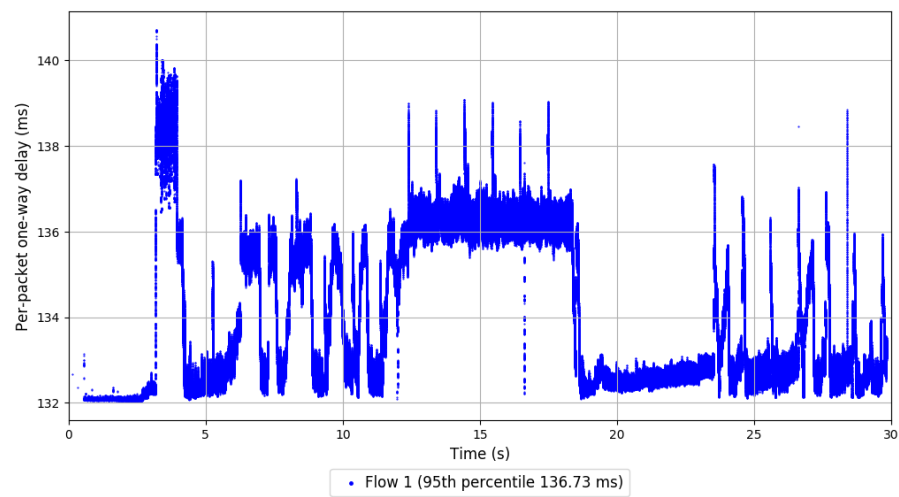
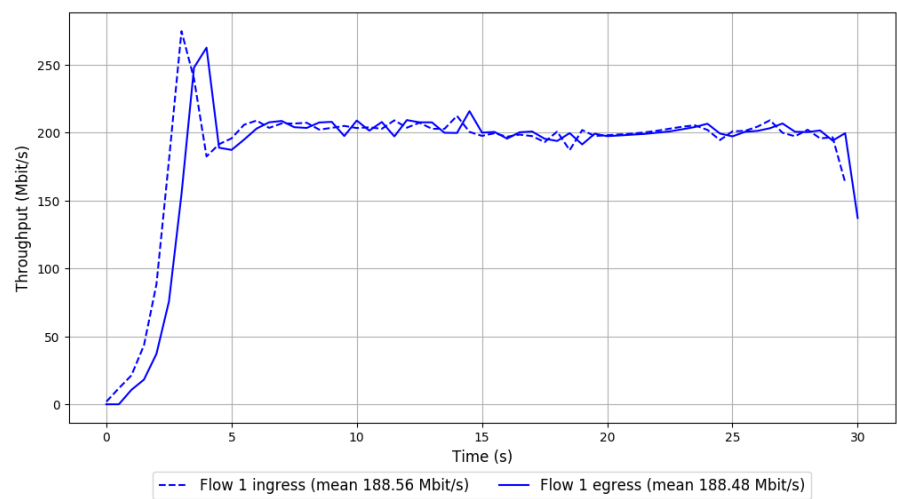


Run 4: Statistics of PCC-Expr

Start at: 2018-08-01 17:40:10
End at: 2018-08-01 17:40:40
Local clock offset: 1.721 ms
Remote clock offset: -35.965 ms

Below is generated by plot.py at 2018-08-01 21:01:39
Datalink statistics
-- Total of 1 flow:
Average throughput: 188.48 Mbit/s
95th percentile per-packet one-way delay: 136.733 ms
Loss rate: 0.70%
-- Flow 1:
Average throughput: 188.48 Mbit/s
95th percentile per-packet one-way delay: 136.733 ms
Loss rate: 0.70%

Run 4: Report of PCC-Expr — Data Link

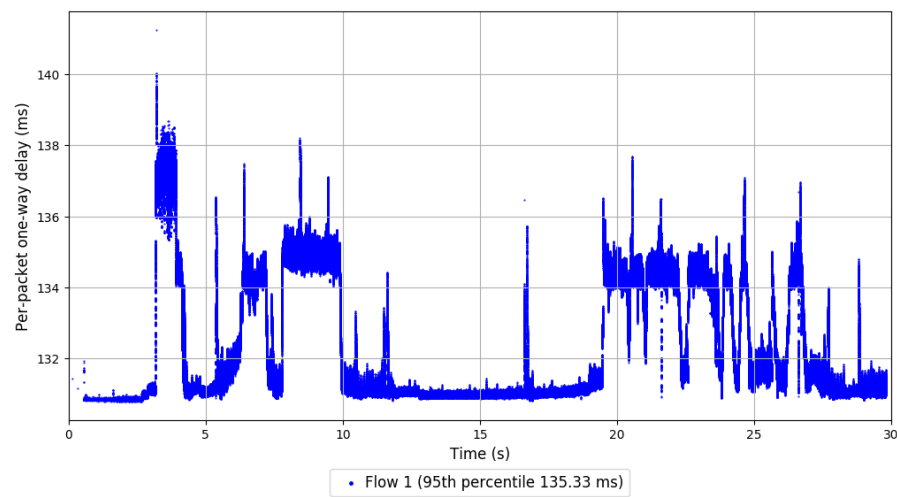
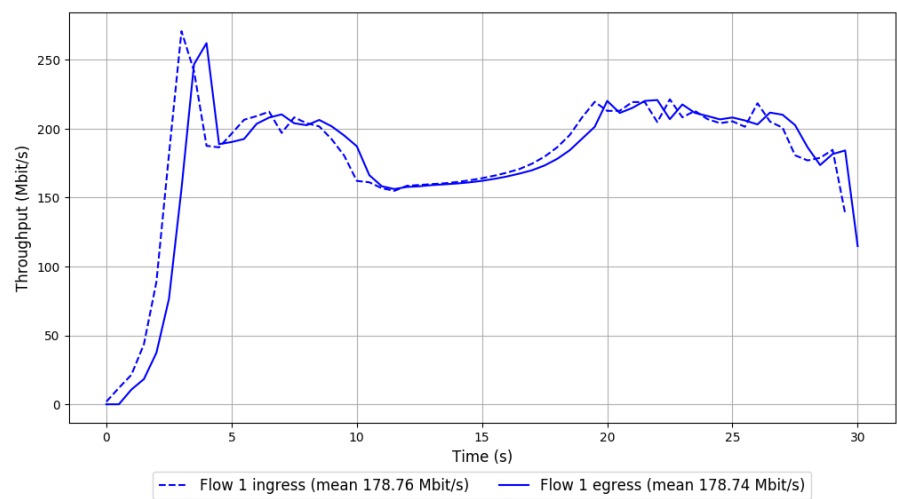


Run 5: Statistics of PCC-Expr

Start at: 2018-08-01 18:07:23
End at: 2018-08-01 18:07:53
Local clock offset: 2.137 ms
Remote clock offset: -33.847 ms

Below is generated by plot.py at 2018-08-01 21:02:25
Datalink statistics
-- Total of 1 flow:
Average throughput: 178.74 Mbit/s
95th percentile per-packet one-way delay: 135.331 ms
Loss rate: 0.66%
-- Flow 1:
Average throughput: 178.74 Mbit/s
95th percentile per-packet one-way delay: 135.331 ms
Loss rate: 0.66%

Run 5: Report of PCC-Expr — Data Link

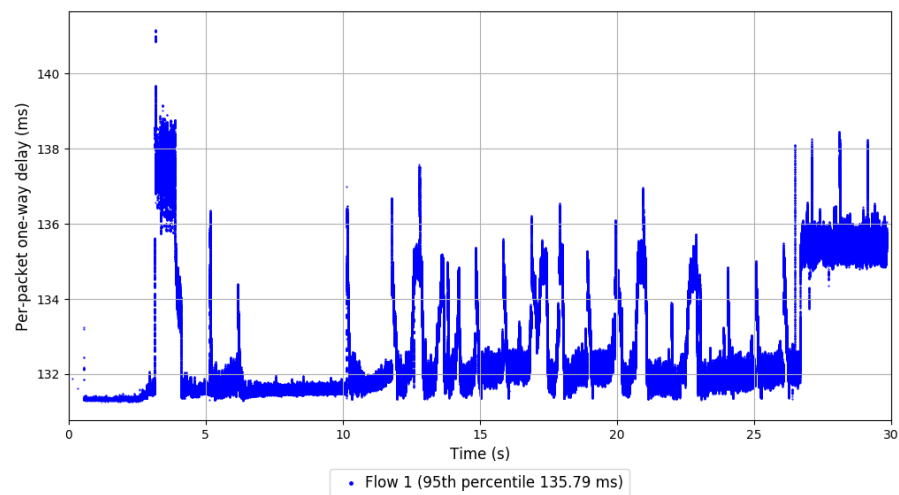
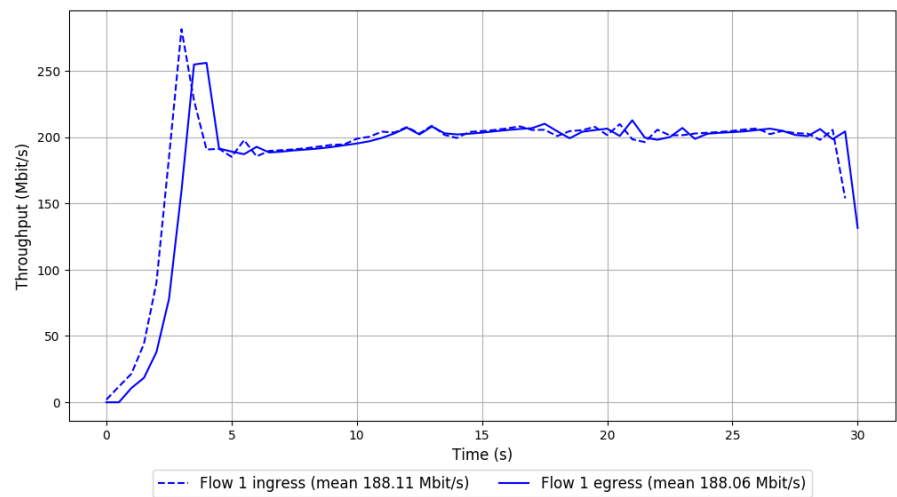


Run 6: Statistics of PCC-Expr

Start at: 2018-08-01 18:29:32
End at: 2018-08-01 18:30:02
Local clock offset: -0.531 ms
Remote clock offset: -38.557 ms

Below is generated by plot.py at 2018-08-01 21:03:19
Datalink statistics
-- Total of 1 flow:
Average throughput: 188.06 Mbit/s
95th percentile per-packet one-way delay: 135.794 ms
Loss rate: 0.69%
-- Flow 1:
Average throughput: 188.06 Mbit/s
95th percentile per-packet one-way delay: 135.794 ms
Loss rate: 0.69%

Run 6: Report of PCC-Expr — Data Link

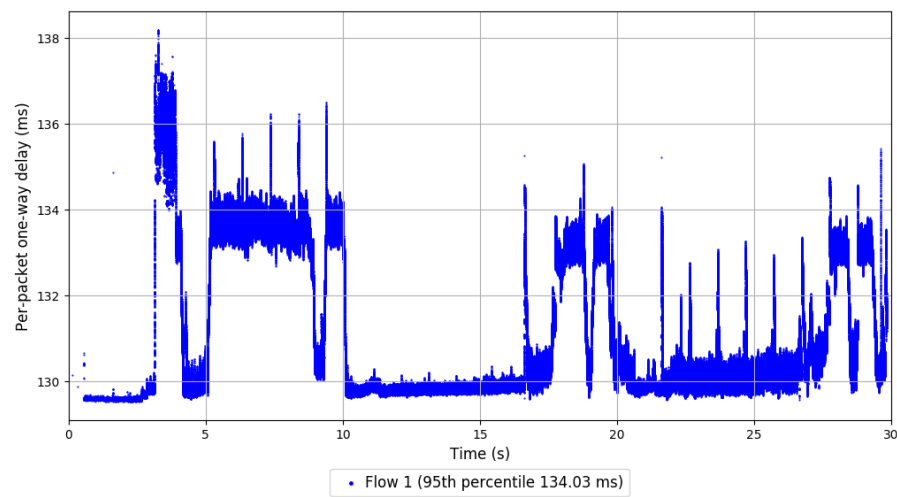
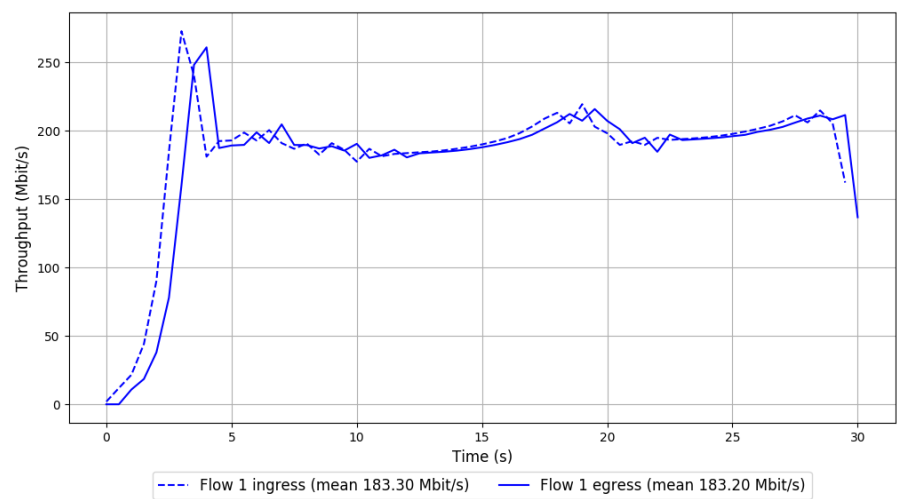


Run 7: Statistics of PCC-Expr

Start at: 2018-08-01 18:57:28
End at: 2018-08-01 18:57:58
Local clock offset: 0.195 ms
Remote clock offset: -36.474 ms

Below is generated by plot.py at 2018-08-01 21:05:13
Datalink statistics
-- Total of 1 flow:
Average throughput: 183.20 Mbit/s
95th percentile per-packet one-way delay: 134.035 ms
Loss rate: 0.71%
-- Flow 1:
Average throughput: 183.20 Mbit/s
95th percentile per-packet one-way delay: 134.035 ms
Loss rate: 0.71%

Run 7: Report of PCC-Expr — Data Link

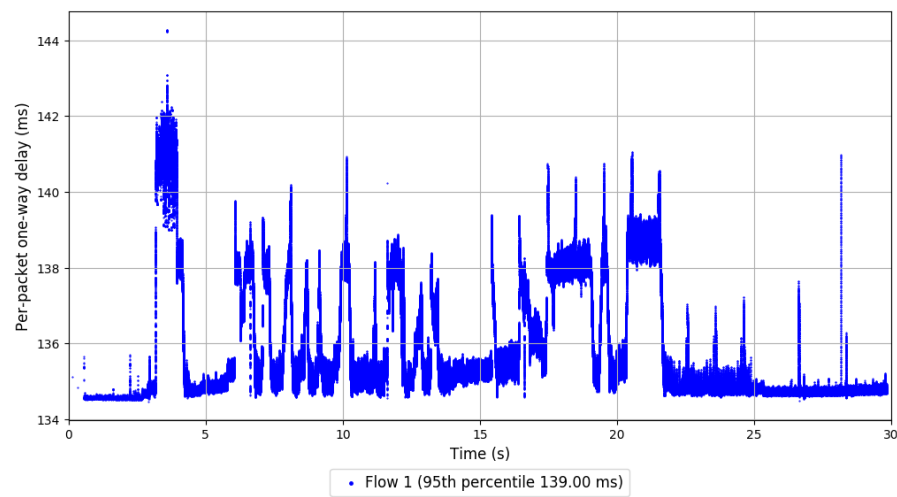
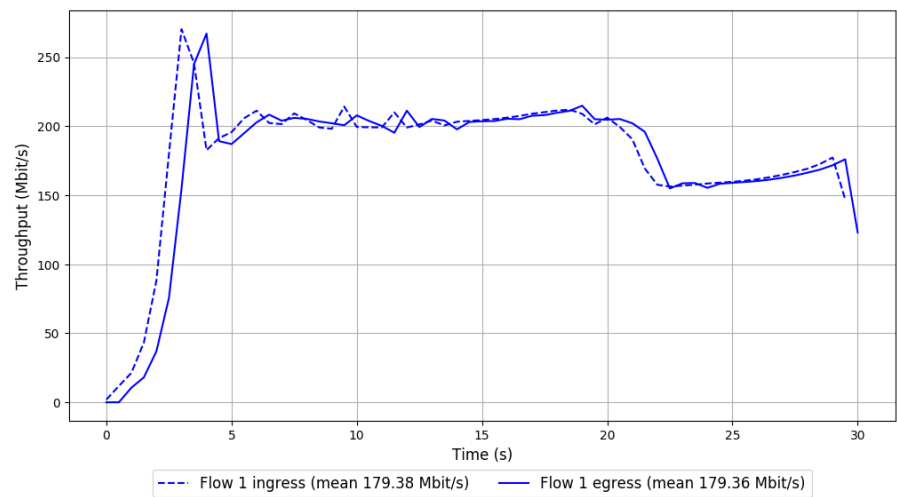


Run 8: Statistics of PCC-Expr

Start at: 2018-08-01 19:24:57
End at: 2018-08-01 19:25:27
Local clock offset: 1.711 ms
Remote clock offset: -38.215 ms

Below is generated by plot.py at 2018-08-01 21:05:19
Datalink statistics
-- Total of 1 flow:
Average throughput: 179.36 Mbit/s
95th percentile per-packet one-way delay: 139.002 ms
Loss rate: 0.67%
-- Flow 1:
Average throughput: 179.36 Mbit/s
95th percentile per-packet one-way delay: 139.002 ms
Loss rate: 0.67%

Run 8: Report of PCC-Expr — Data Link

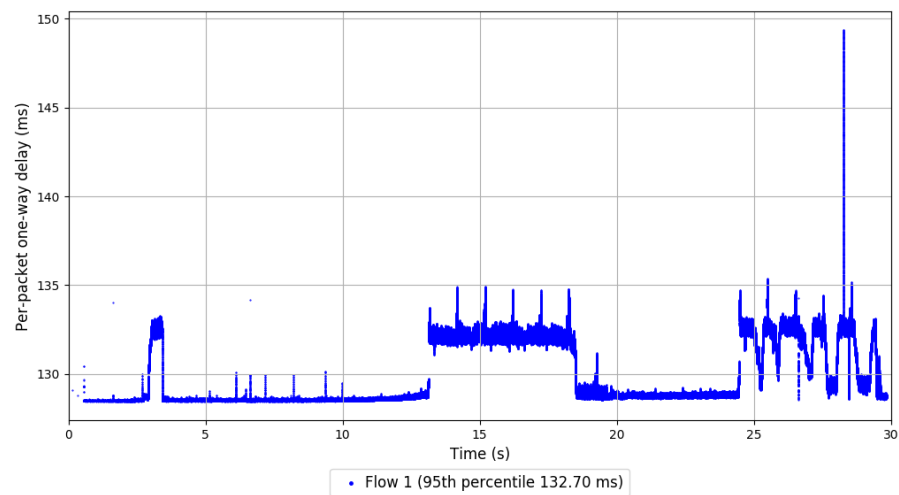
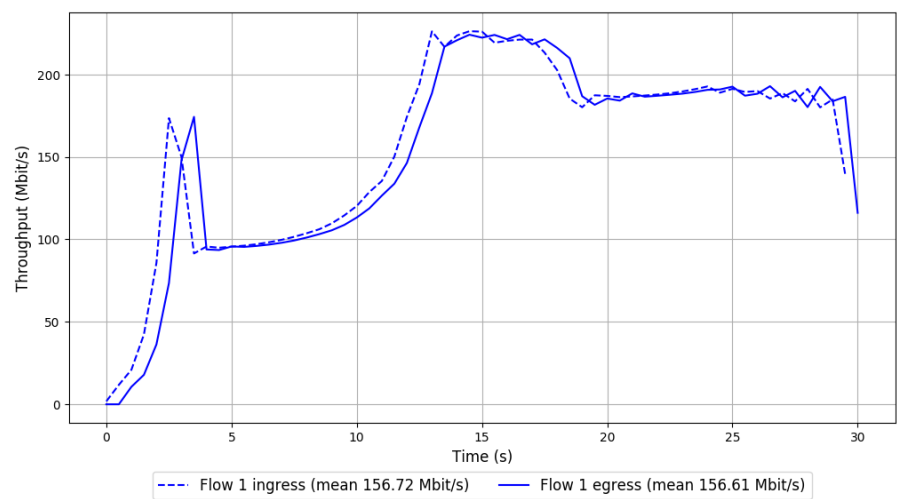


Run 9: Statistics of PCC-Expr

Start at: 2018-08-01 19:52:24
End at: 2018-08-01 19:52:54
Local clock offset: -0.422 ms
Remote clock offset: -33.573 ms

Below is generated by plot.py at 2018-08-01 21:05:19
Datalink statistics
-- Total of 1 flow:
Average throughput: 156.61 Mbit/s
95th percentile per-packet one-way delay: 132.697 ms
Loss rate: 0.73%
-- Flow 1:
Average throughput: 156.61 Mbit/s
95th percentile per-packet one-way delay: 132.697 ms
Loss rate: 0.73%

Run 9: Report of PCC-Expr — Data Link

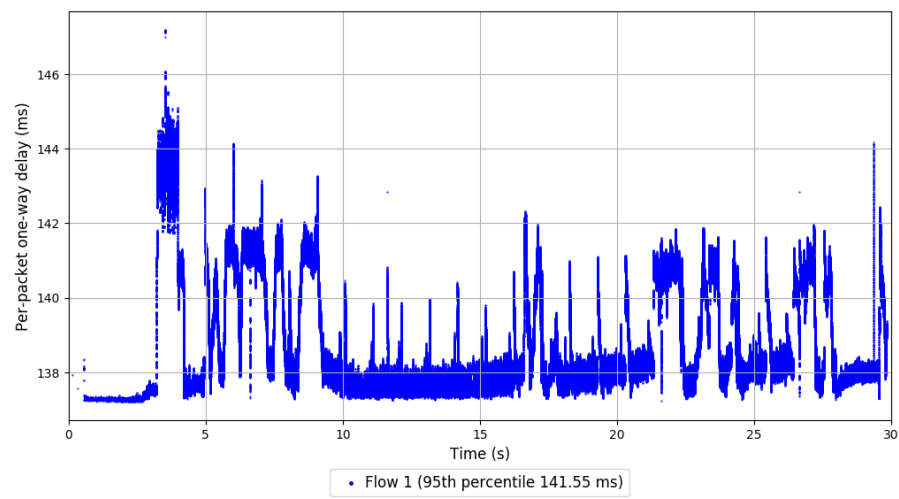
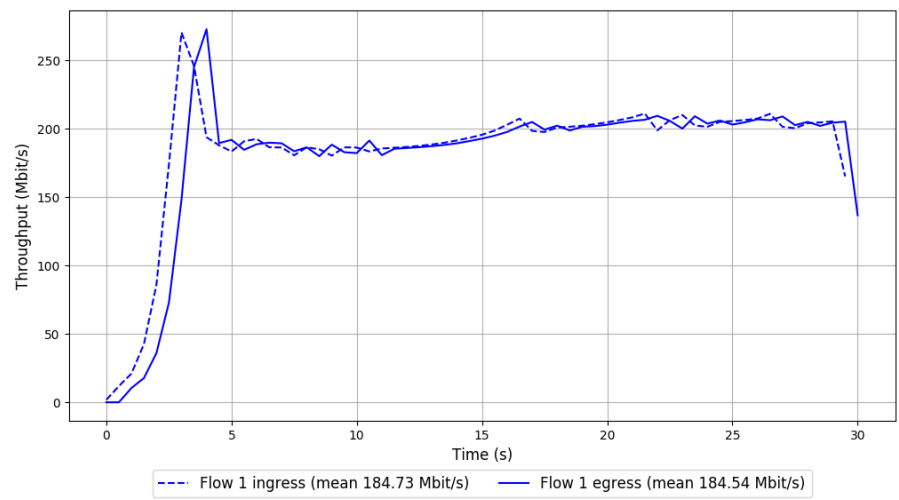


Run 10: Statistics of PCC-Expr

Start at: 2018-08-01 20:14:04
End at: 2018-08-01 20:14:34
Local clock offset: -2.347 ms
Remote clock offset: -42.761 ms

Below is generated by plot.py at 2018-08-01 21:05:32
Datalink statistics
-- Total of 1 flow:
Average throughput: 184.54 Mbit/s
95th percentile per-packet one-way delay: 141.552 ms
Loss rate: 0.77%
-- Flow 1:
Average throughput: 184.54 Mbit/s
95th percentile per-packet one-way delay: 141.552 ms
Loss rate: 0.77%

Run 10: Report of PCC-Expr — Data Link

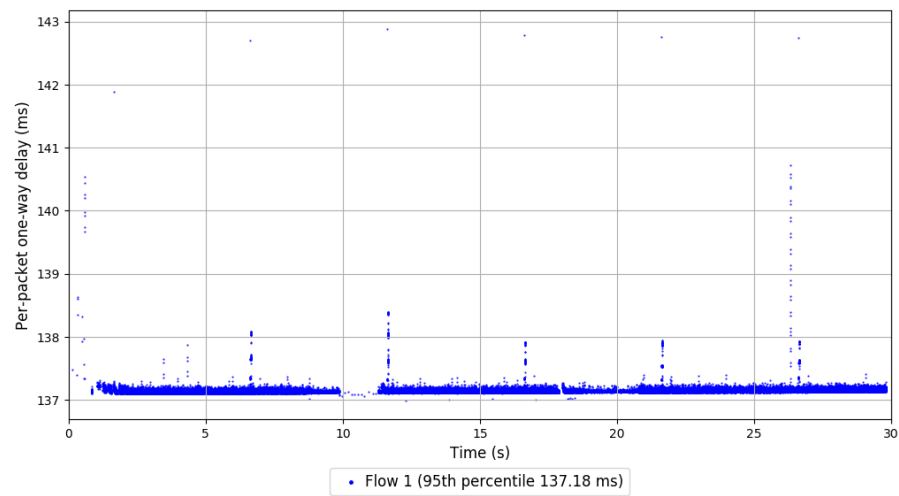
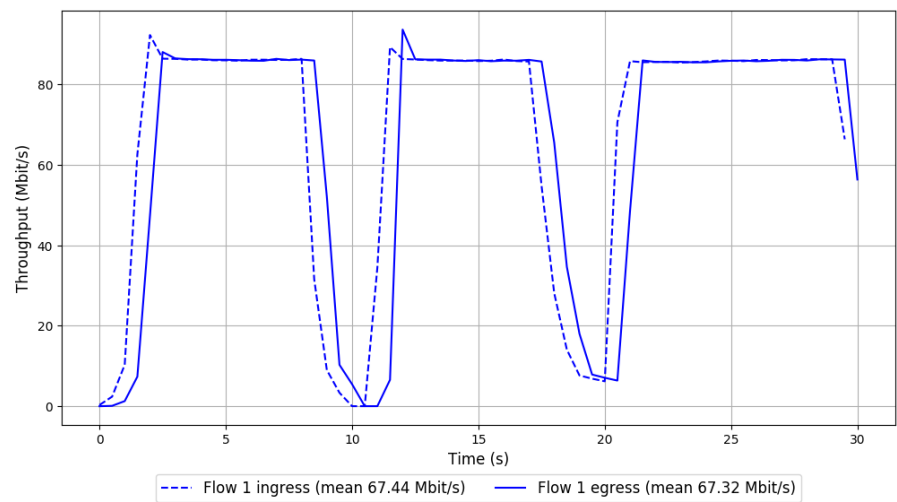


Run 1: Statistics of QUIC Cubic

Start at: 2018-08-01 16:18:18
End at: 2018-08-01 16:18:48
Local clock offset: 2.687 ms
Remote clock offset: -42.345 ms

Below is generated by plot.py at 2018-08-01 21:05:32
Datalink statistics
-- Total of 1 flow:
Average throughput: 67.32 Mbit/s
95th percentile per-packet one-way delay: 137.177 ms
Loss rate: 0.84%
-- Flow 1:
Average throughput: 67.32 Mbit/s
95th percentile per-packet one-way delay: 137.177 ms
Loss rate: 0.84%

Run 1: Report of QUIC Cubic — Data Link

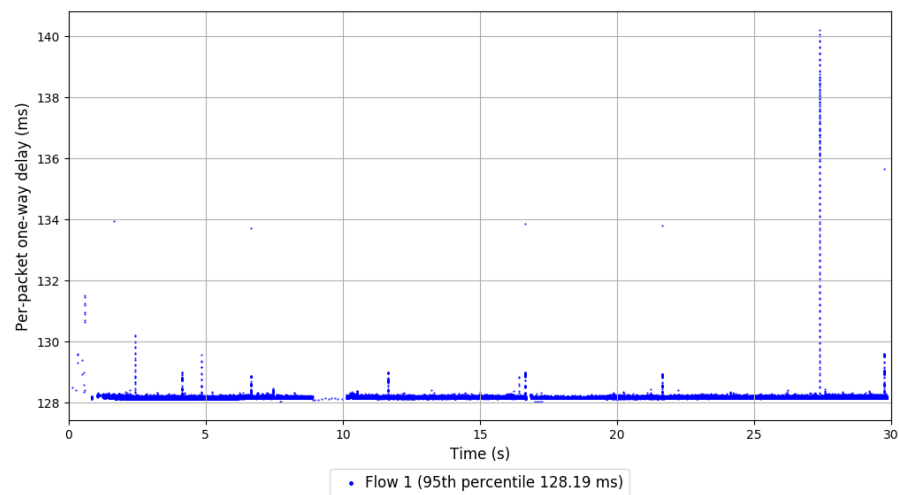
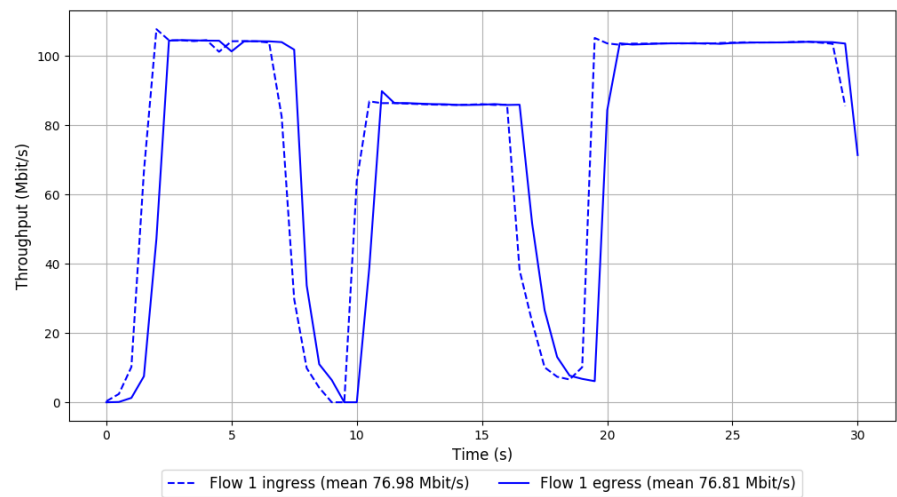


Run 2: Statistics of QUIC Cubic

Start at: 2018-08-01 16:40:24
End at: 2018-08-01 16:40:54
Local clock offset: -1.003 ms
Remote clock offset: -36.889 ms

Below is generated by plot.py at 2018-08-01 21:05:32
Datalink statistics
-- Total of 1 flow:
Average throughput: 76.81 Mbit/s
95th percentile per-packet one-way delay: 128.194 ms
Loss rate: 0.88%
-- Flow 1:
Average throughput: 76.81 Mbit/s
95th percentile per-packet one-way delay: 128.194 ms
Loss rate: 0.88%

Run 2: Report of QUIC Cubic — Data Link

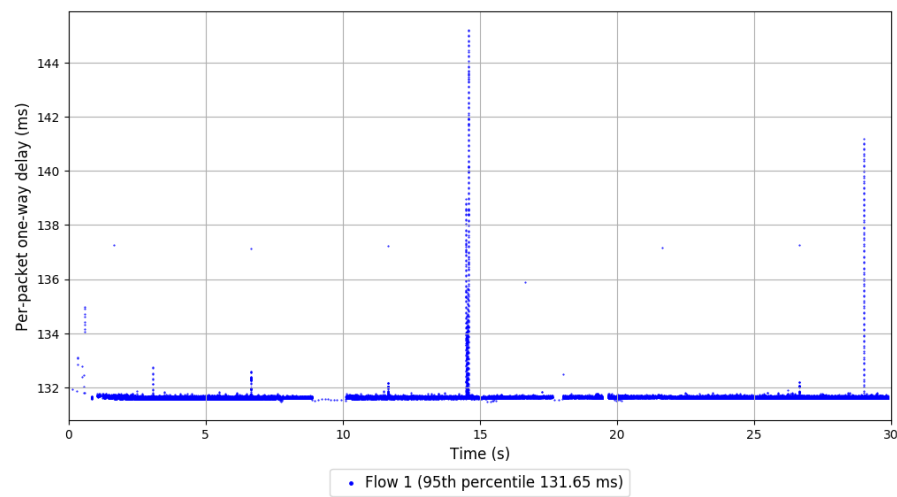
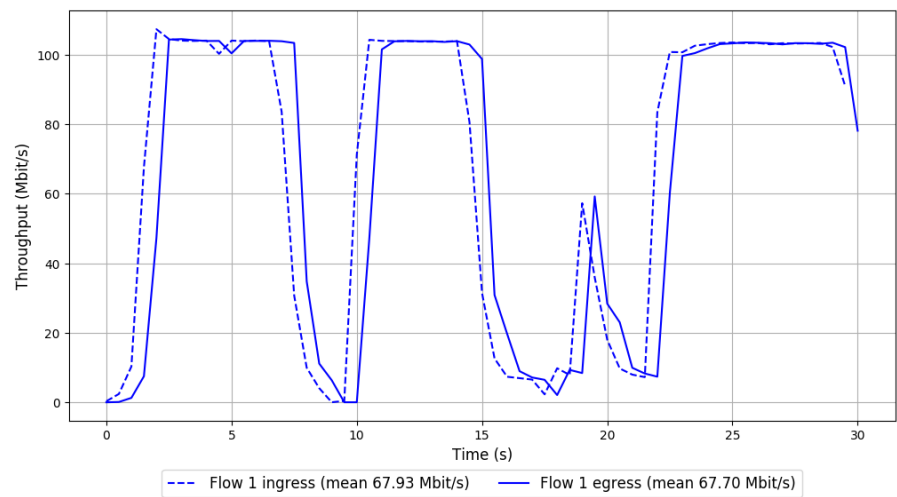


Run 3: Statistics of QUIC Cubic

Start at: 2018-08-01 17:07:52
End at: 2018-08-01 17:08:22
Local clock offset: 2.536 ms
Remote clock offset: -37.423 ms

Below is generated by plot.py at 2018-08-01 21:05:32
Datalink statistics
-- Total of 1 flow:
Average throughput: 67.70 Mbit/s
95th percentile per-packet one-way delay: 131.651 ms
Loss rate: 0.99%
-- Flow 1:
Average throughput: 67.70 Mbit/s
95th percentile per-packet one-way delay: 131.651 ms
Loss rate: 0.99%

Run 3: Report of QUIC Cubic — Data Link

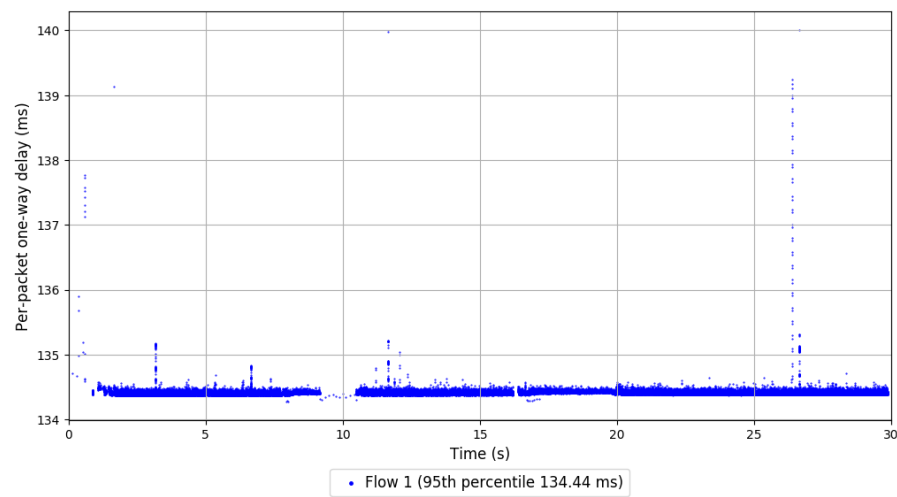
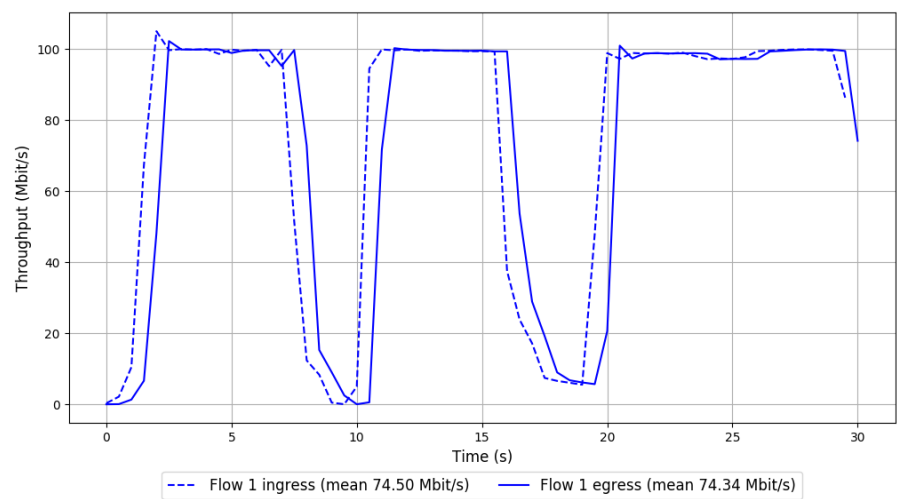


Run 4: Statistics of QUIC Cubic

Start at: 2018-08-01 17:35:10
End at: 2018-08-01 17:35:40
Local clock offset: 1.242 ms
Remote clock offset: -38.959 ms

Below is generated by plot.py at 2018-08-01 21:05:32
Datalink statistics
-- Total of 1 flow:
Average throughput: 74.34 Mbit/s
95th percentile per-packet one-way delay: 134.440 ms
Loss rate: 0.87%
-- Flow 1:
Average throughput: 74.34 Mbit/s
95th percentile per-packet one-way delay: 134.440 ms
Loss rate: 0.87%

Run 4: Report of QUIC Cubic — Data Link

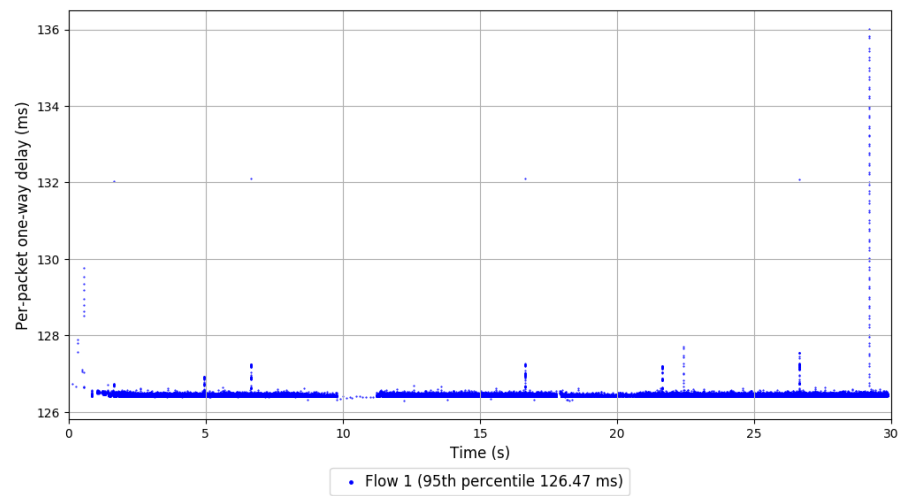
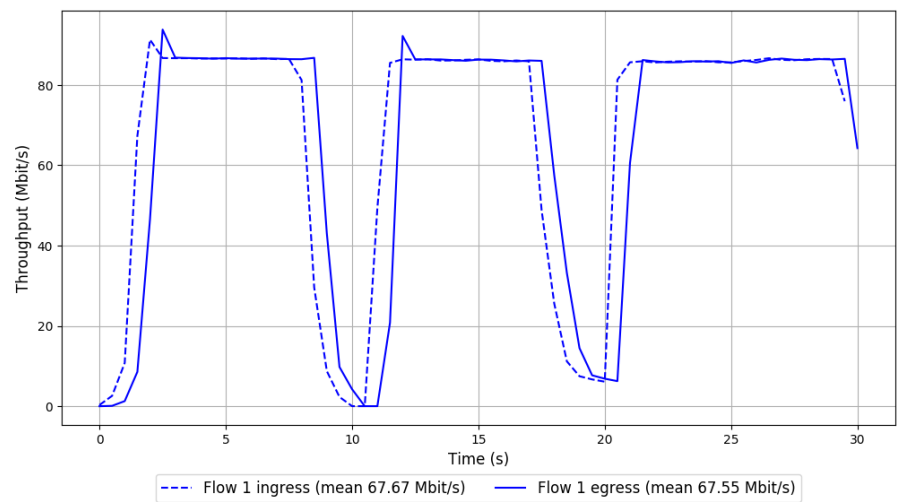


Run 5: Statistics of QUIC Cubic

Start at: 2018-08-01 18:02:35
End at: 2018-08-01 18:03:05
Local clock offset: -0.543 ms
Remote clock offset: -33.764 ms

Below is generated by plot.py at 2018-08-01 21:05:32
Datalink statistics
-- Total of 1 flow:
Average throughput: 67.55 Mbit/s
95th percentile per-packet one-way delay: 126.471 ms
Loss rate: 0.83%
-- Flow 1:
Average throughput: 67.55 Mbit/s
95th percentile per-packet one-way delay: 126.471 ms
Loss rate: 0.83%

Run 5: Report of QUIC Cubic — Data Link

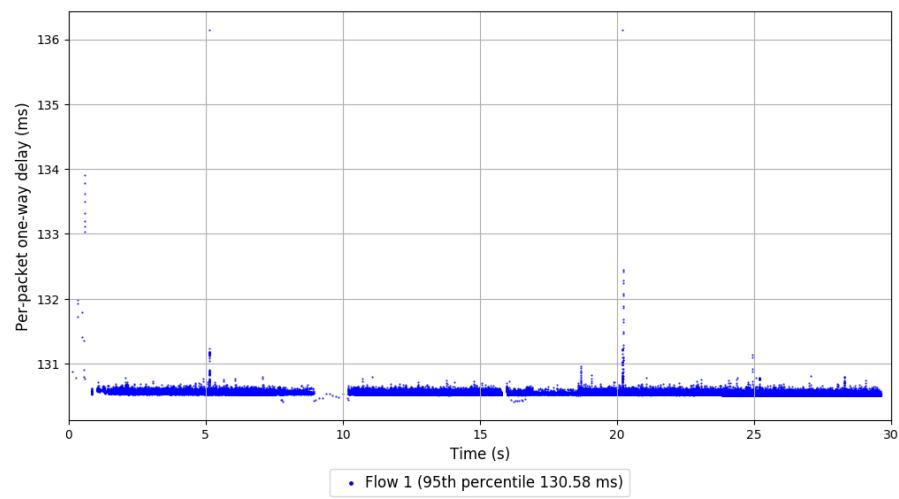
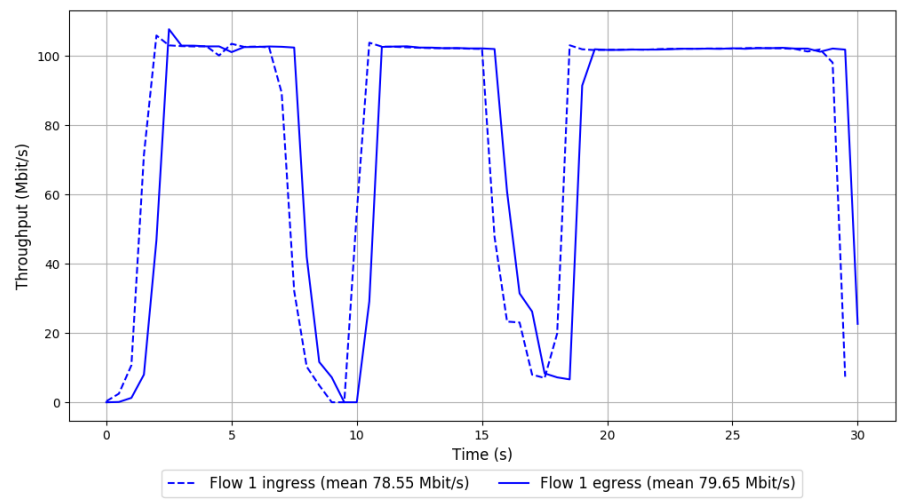


Run 6: Statistics of QUIC Cubic

Start at: 2018-08-01 18:24:31
End at: 2018-08-01 18:25:01
Local clock offset: 0.877 ms
Remote clock offset: -34.637 ms

Below is generated by plot.py at 2018-08-01 21:05:32
Datalink statistics
-- Total of 1 flow:
Average throughput: 79.65 Mbit/s
95th percentile per-packet one-way delay: 130.580 ms
Loss rate: 0.16%
-- Flow 1:
Average throughput: 79.65 Mbit/s
95th percentile per-packet one-way delay: 130.580 ms
Loss rate: 0.16%

Run 6: Report of QUIC Cubic — Data Link

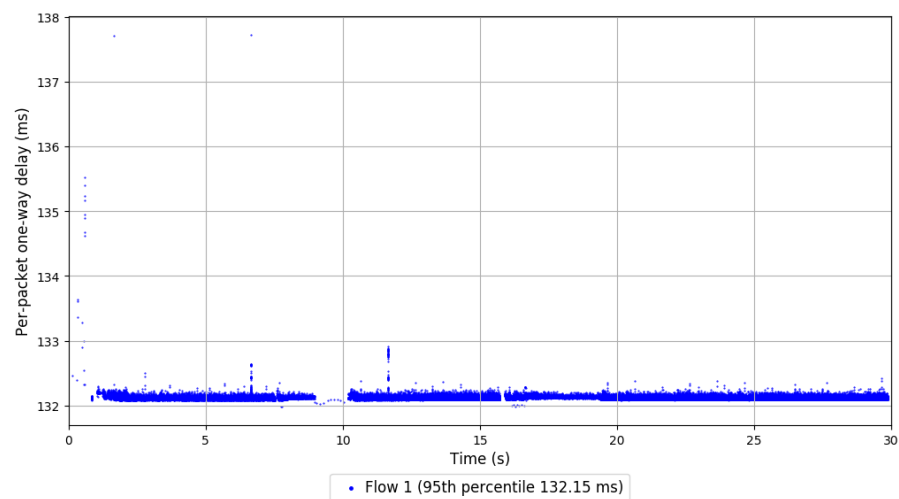
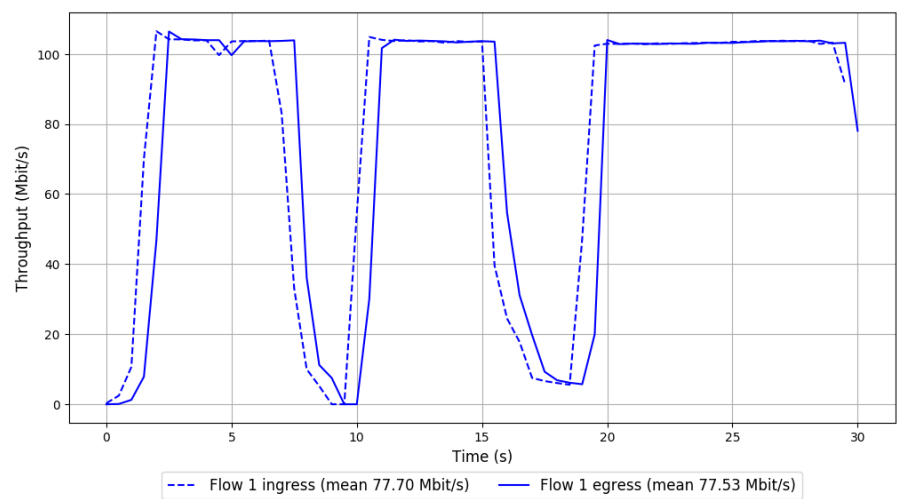


Run 7: Statistics of QUIC Cubic

Start at: 2018-08-01 18:52:19
End at: 2018-08-01 18:52:49
Local clock offset: 2.794 ms
Remote clock offset: -34.909 ms

Below is generated by plot.py at 2018-08-01 21:05:32
Datalink statistics
-- Total of 1 flow:
Average throughput: 77.53 Mbit/s
95th percentile per-packet one-way delay: 132.147 ms
Loss rate: 0.87%
-- Flow 1:
Average throughput: 77.53 Mbit/s
95th percentile per-packet one-way delay: 132.147 ms
Loss rate: 0.87%

Run 7: Report of QUIC Cubic — Data Link

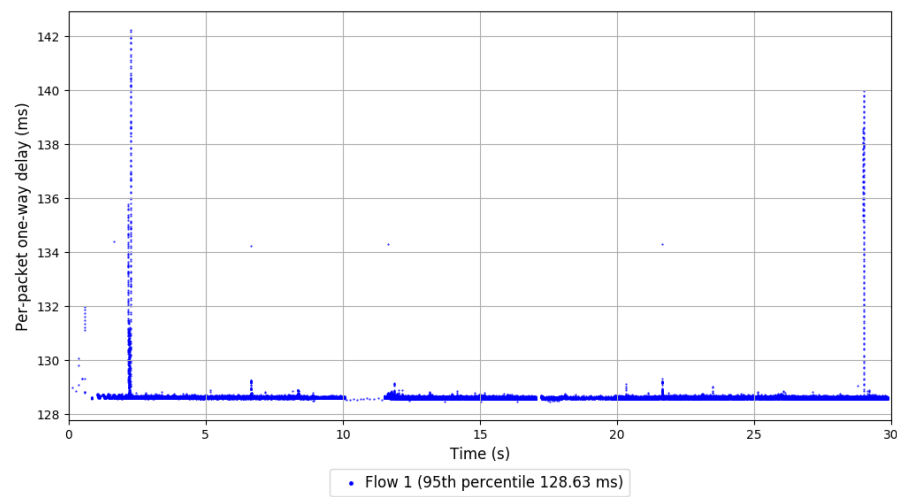
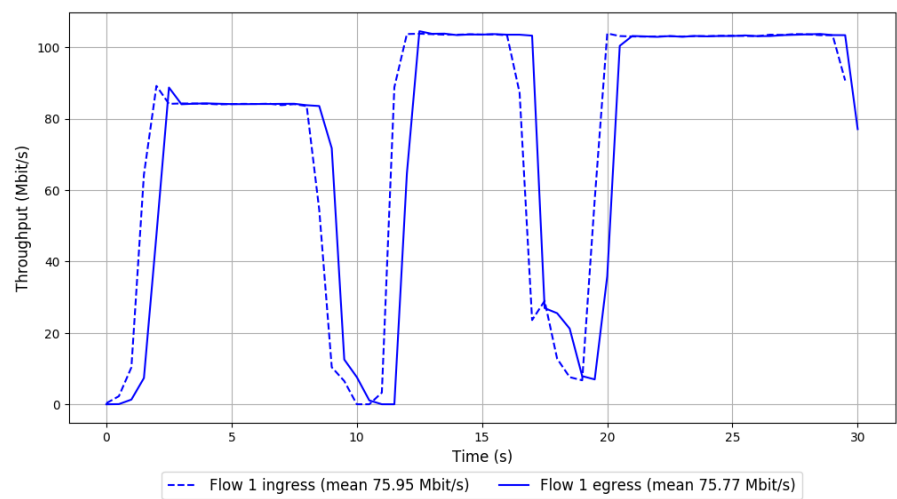


Run 8: Statistics of QUIC Cubic

Start at: 2018-08-01 19:19:59
End at: 2018-08-01 19:20:29
Local clock offset: 1.425 ms
Remote clock offset: -34.309 ms

Below is generated by plot.py at 2018-08-01 21:05:32
Datalink statistics
-- Total of 1 flow:
Average throughput: 75.77 Mbit/s
95th percentile per-packet one-way delay: 128.632 ms
Loss rate: 0.88%
-- Flow 1:
Average throughput: 75.77 Mbit/s
95th percentile per-packet one-way delay: 128.632 ms
Loss rate: 0.88%

Run 8: Report of QUIC Cubic — Data Link

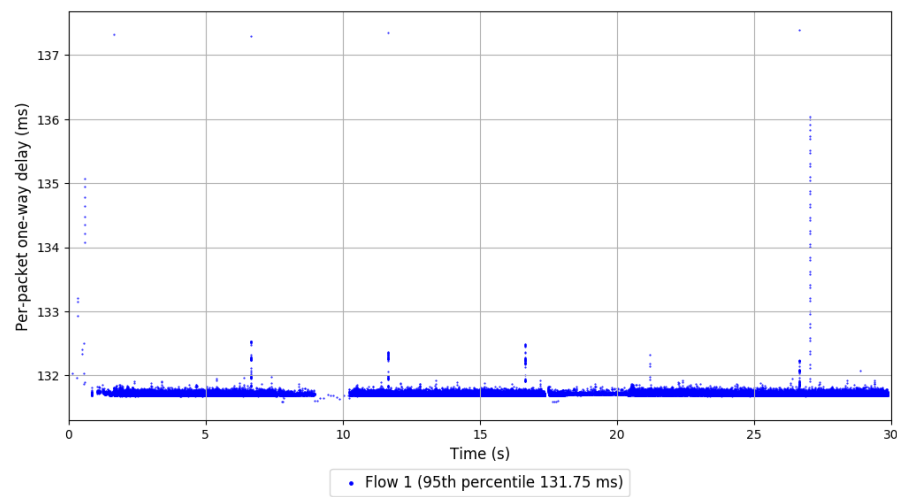
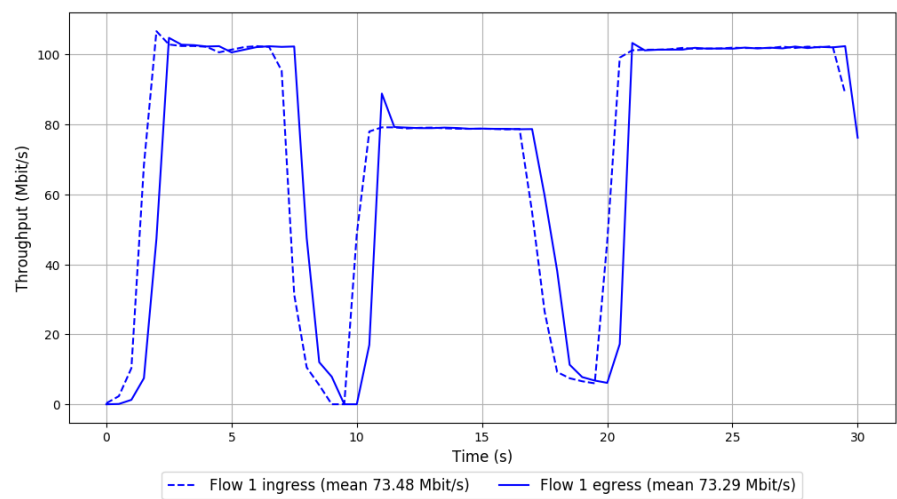


Run 9: Statistics of QUIC Cubic

Start at: 2018-08-01 19:47:28
End at: 2018-08-01 19:47:58
Local clock offset: 3.445 ms
Remote clock offset: -34.723 ms

Below is generated by plot.py at 2018-08-01 21:05:32
Datalink statistics
-- Total of 1 flow:
Average throughput: 73.29 Mbit/s
95th percentile per-packet one-way delay: 131.745 ms
Loss rate: 0.90%
-- Flow 1:
Average throughput: 73.29 Mbit/s
95th percentile per-packet one-way delay: 131.745 ms
Loss rate: 0.90%

Run 9: Report of QUIC Cubic — Data Link



Run 10: Statistics of QUIC Cubic

Start at: 2018-08-01 20:09:10

End at: 2018-08-01 20:09:40

Local clock offset: -2.141 ms

Remote clock offset: -35.334 ms

Below is generated by plot.py at 2018-08-01 21:05:32

Datalink statistics

-- Total of 1 flow:

Average throughput: 25.49 Mbit/s

95th percentile per-packet one-way delay: 129.824 ms

Loss rate: 0.84%

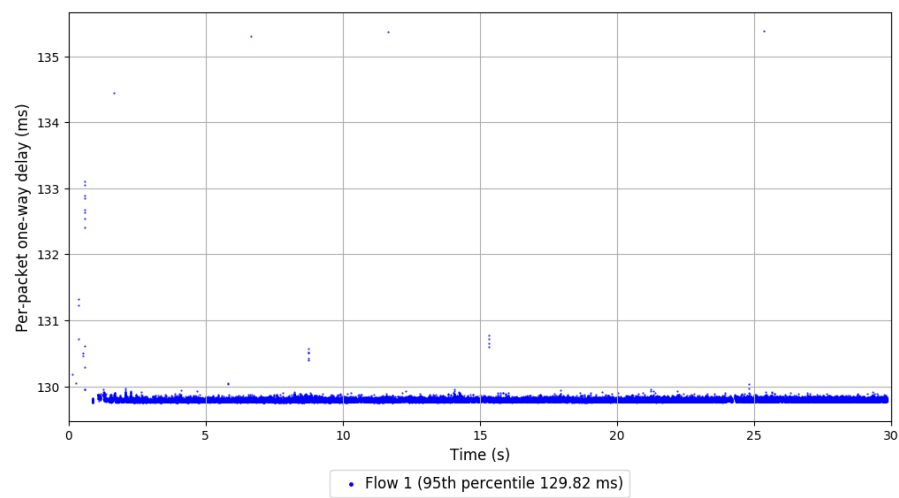
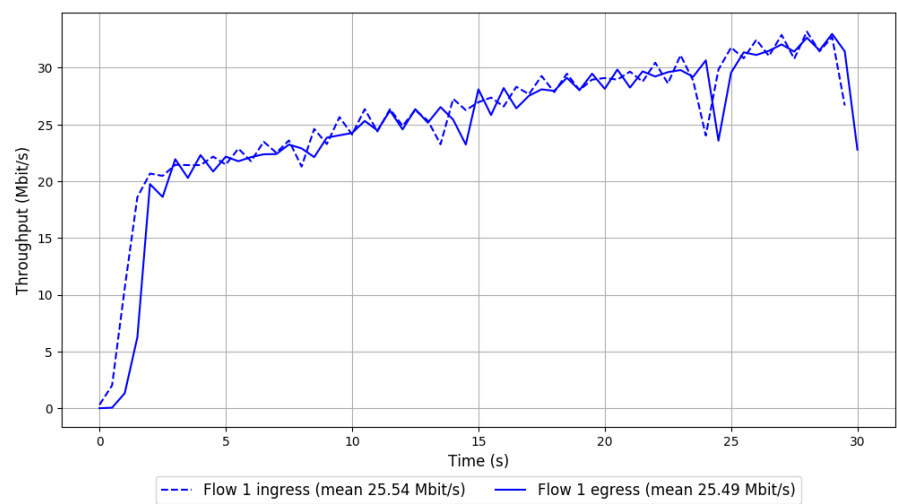
-- Flow 1:

Average throughput: 25.49 Mbit/s

95th percentile per-packet one-way delay: 129.824 ms

Loss rate: 0.84%

Run 10: Report of QUIC Cubic — Data Link

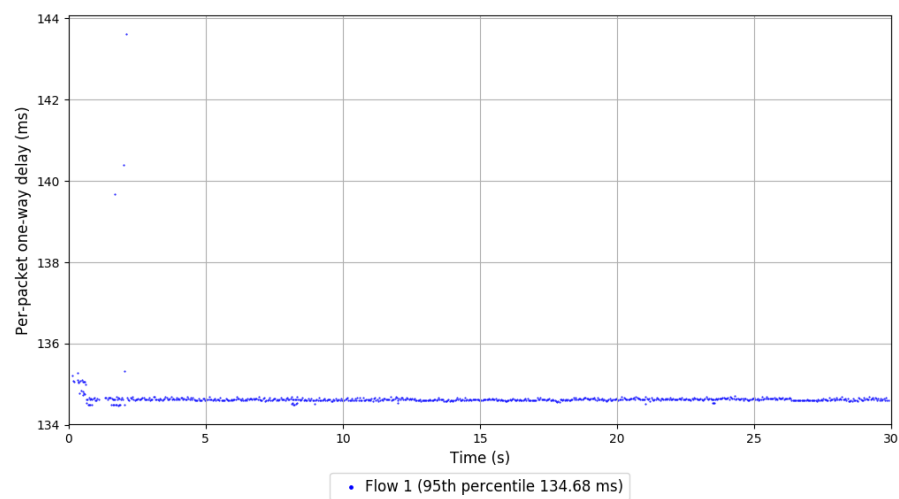
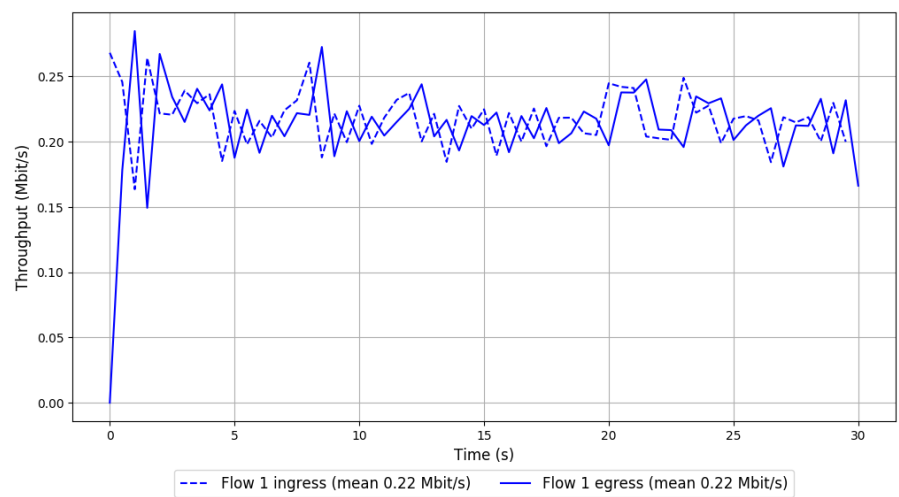


```
Run 1: Statistics of SCReAM

Start at: 2018-08-01 16:34:06
End at: 2018-08-01 16:34:36
Local clock offset: 2.697 ms
Remote clock offset: -41.228 ms

# Below is generated by plot.py at 2018-08-01 21:05:32
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 134.678 ms
Loss rate: 0.64%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 134.678 ms
Loss rate: 0.64%
```


Run 1: Report of SReAM — Data Link

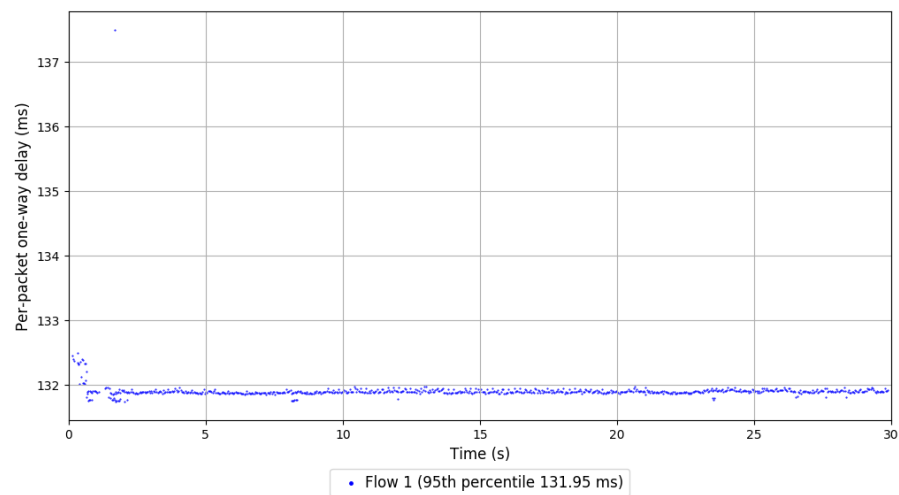
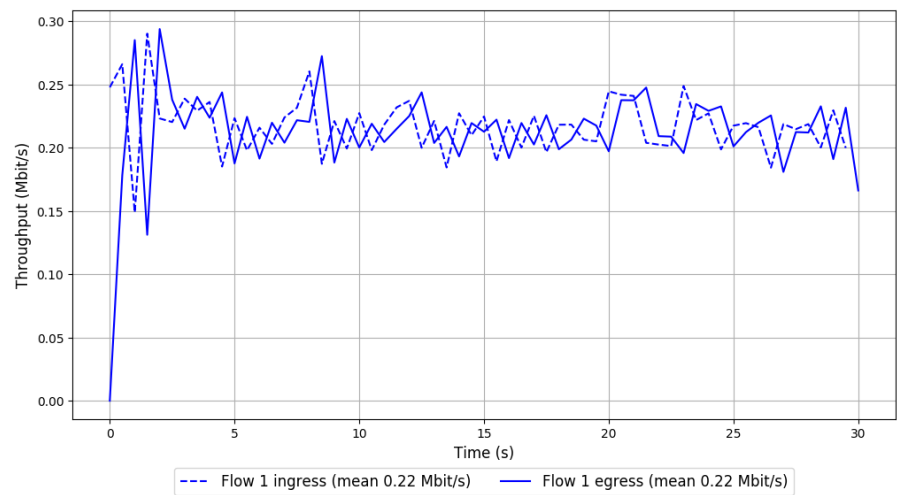


Run 2: Statistics of SCReAM

Start at: 2018-08-01 17:01:33
End at: 2018-08-01 17:02:03
Local clock offset: 3.69 ms
Remote clock offset: -35.058 ms

Below is generated by plot.py at 2018-08-01 21:05:32
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 131.947 ms
Loss rate: 0.64%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 131.947 ms
Loss rate: 0.64%

Run 2: Report of SReAM — Data Link

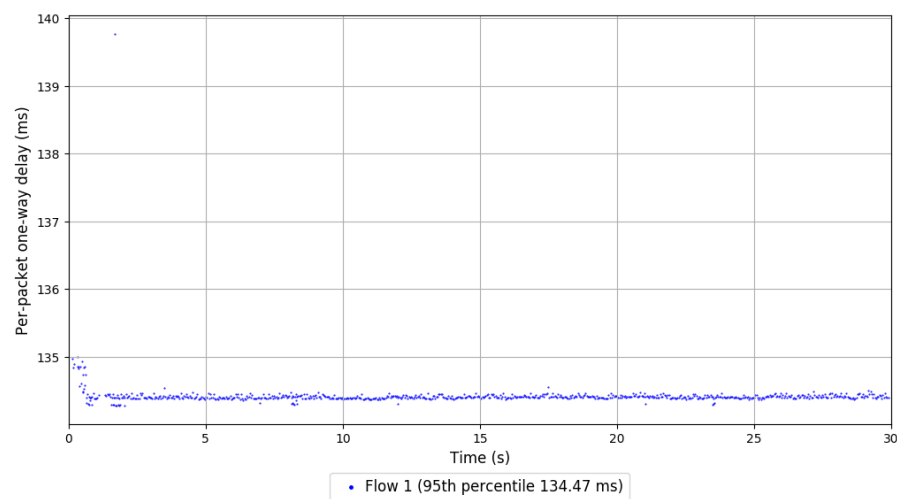
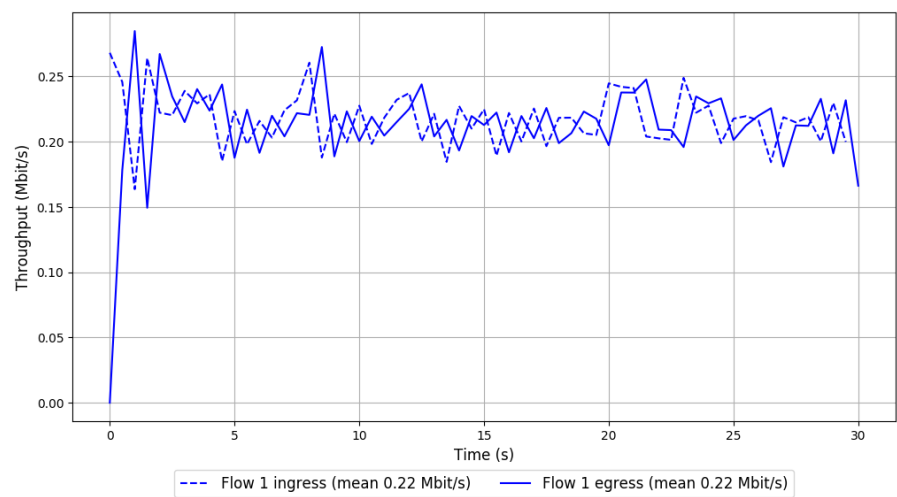


Run 3: Statistics of SCReAM

Start at: 2018-08-01 17:28:53
End at: 2018-08-01 17:29:23
Local clock offset: 2.671 ms
Remote clock offset: -39.211 ms

Below is generated by plot.py at 2018-08-01 21:05:32
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 134.467 ms
Loss rate: 0.64%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 134.467 ms
Loss rate: 0.64%

Run 3: Report of SReAM — Data Link

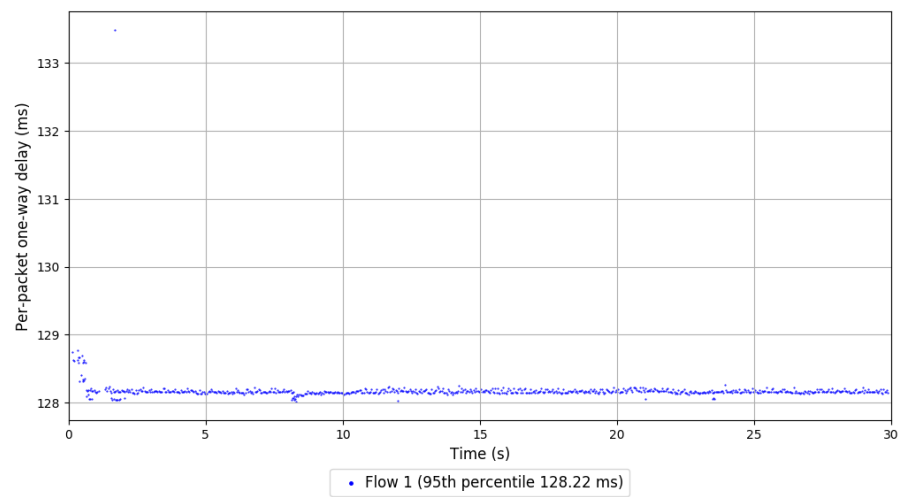
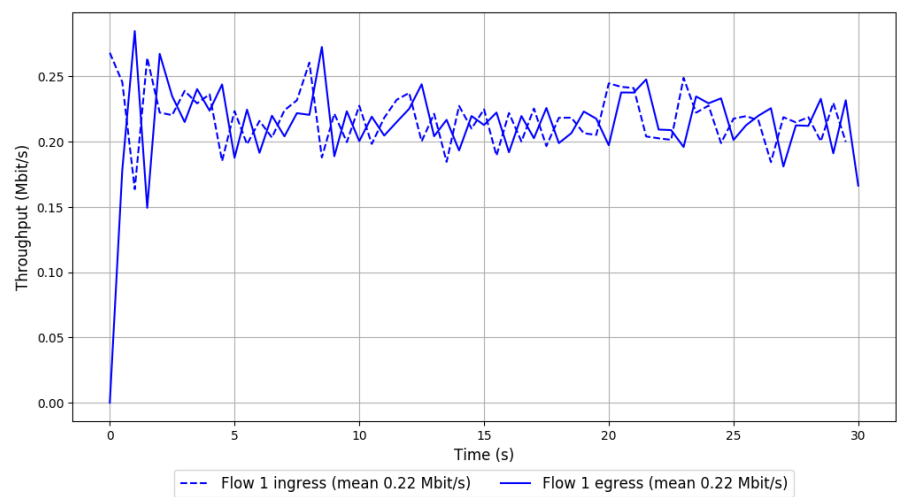


Run 4: Statistics of SCReAM

Start at: 2018-08-01 17:56:16
End at: 2018-08-01 17:56:46
Local clock offset: -0.41 ms
Remote clock offset: -35.33 ms

Below is generated by plot.py at 2018-08-01 21:05:32
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 128.215 ms
Loss rate: 0.64%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 128.215 ms
Loss rate: 0.64%

Run 4: Report of SReAM — Data Link

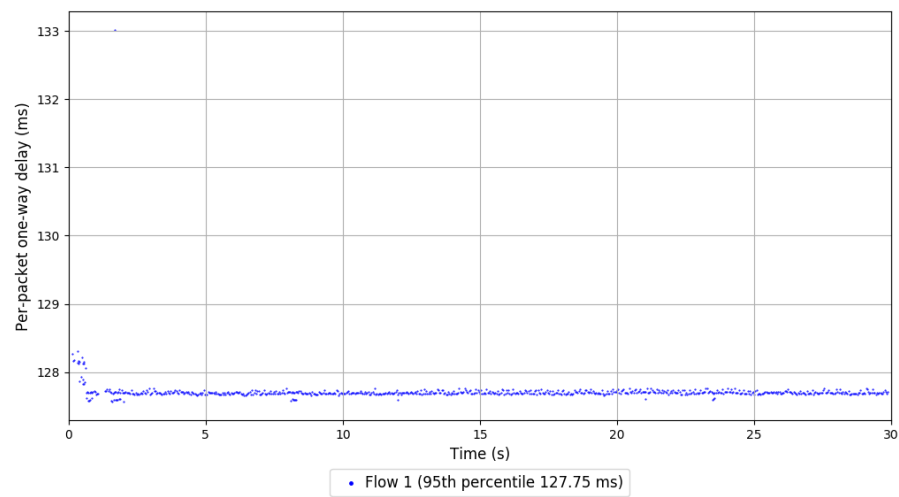
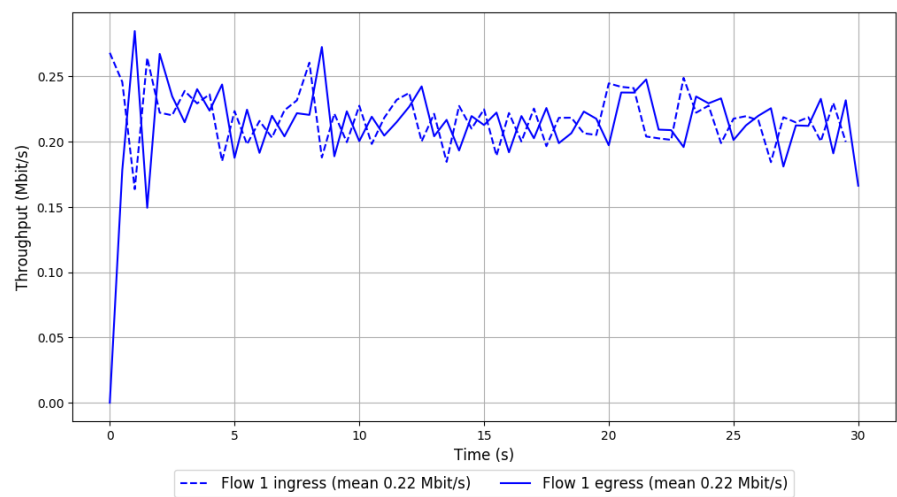


Run 5: Statistics of SCReAM

Start at: 2018-08-01 18:18:14
End at: 2018-08-01 18:18:44
Local clock offset: -0.261 ms
Remote clock offset: -34.318 ms

Below is generated by plot.py at 2018-08-01 21:05:32
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 127.751 ms
Loss rate: 0.64%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 127.751 ms
Loss rate: 0.64%

Run 5: Report of SReAM — Data Link

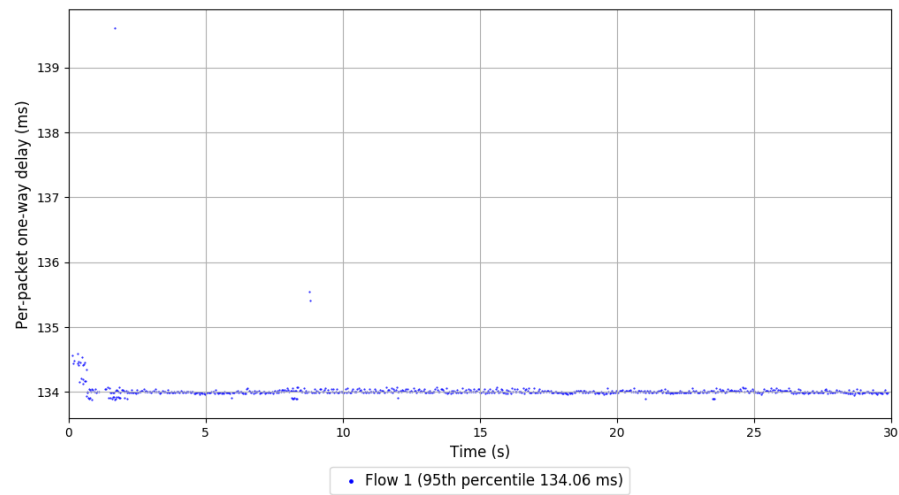
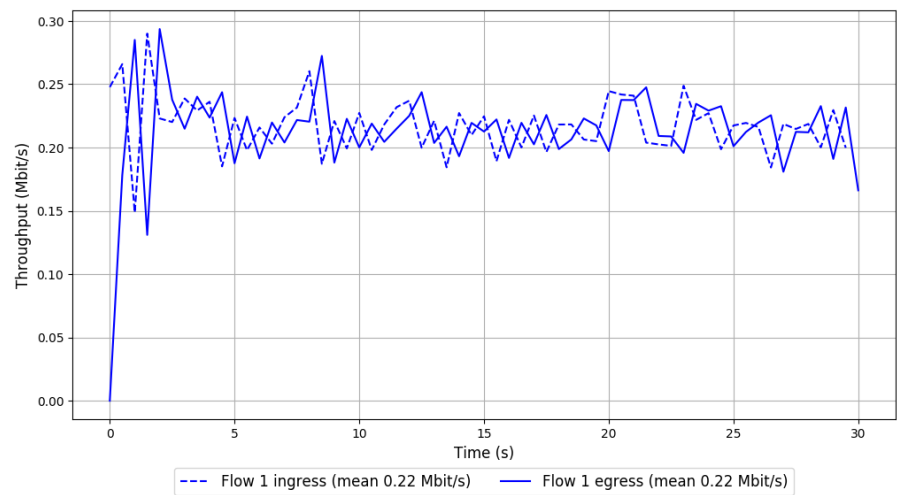


Run 6: Statistics of SCReAM

Start at: 2018-08-01 18:45:54
End at: 2018-08-01 18:46:24
Local clock offset: 1.931 ms
Remote clock offset: -37.519 ms

Below is generated by plot.py at 2018-08-01 21:05:32
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 134.060 ms
Loss rate: 0.64%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 134.060 ms
Loss rate: 0.64%

Run 6: Report of SReAM — Data Link

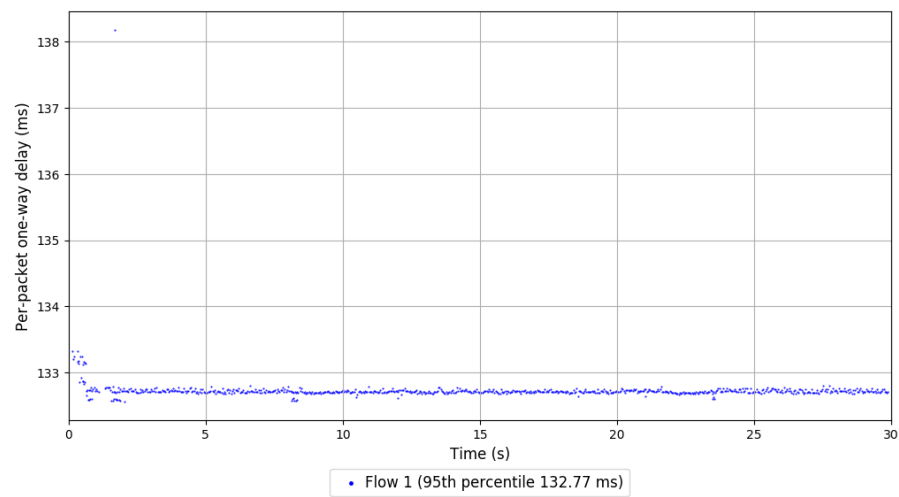
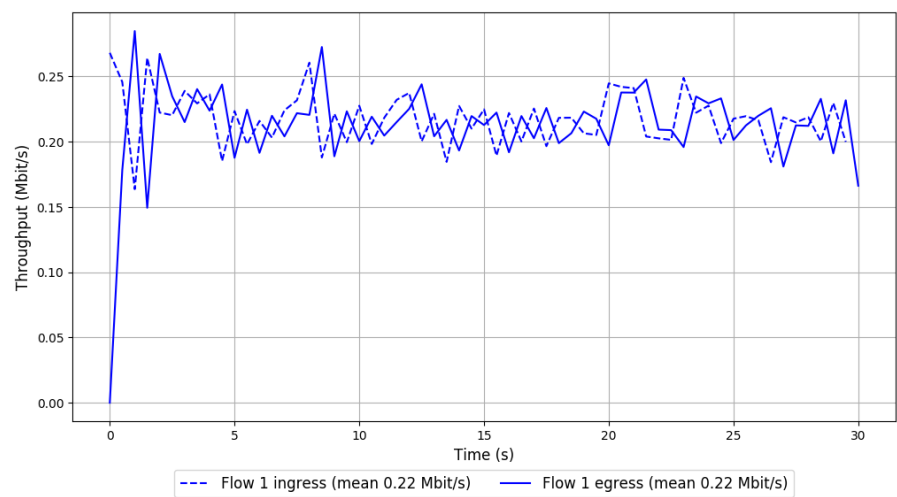


Run 7: Statistics of SCReAM

Start at: 2018-08-01 19:13:41
End at: 2018-08-01 19:14:11
Local clock offset: -0.279 ms
Remote clock offset: -39.969 ms

Below is generated by plot.py at 2018-08-01 21:05:32
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 132.769 ms
Loss rate: 0.64%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 132.769 ms
Loss rate: 0.64%

Run 7: Report of SReAM — Data Link

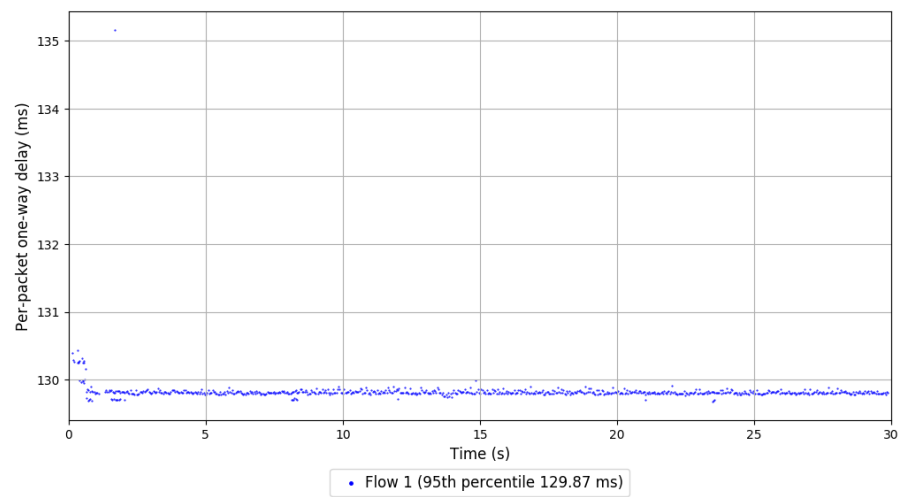
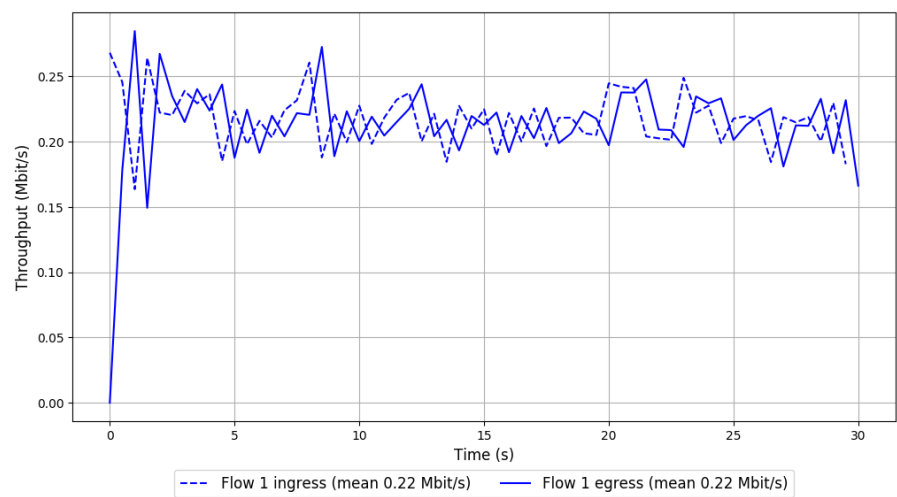


Run 8: Statistics of SCReAM

Start at: 2018-08-01 19:41:10
End at: 2018-08-01 19:41:40
Local clock offset: 1.853 ms
Remote clock offset: -34.271 ms

Below is generated by plot.py at 2018-08-01 21:05:32
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 129.873 ms
Loss rate: 0.51%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 129.873 ms
Loss rate: 0.51%

Run 8: Report of SReAM — Data Link

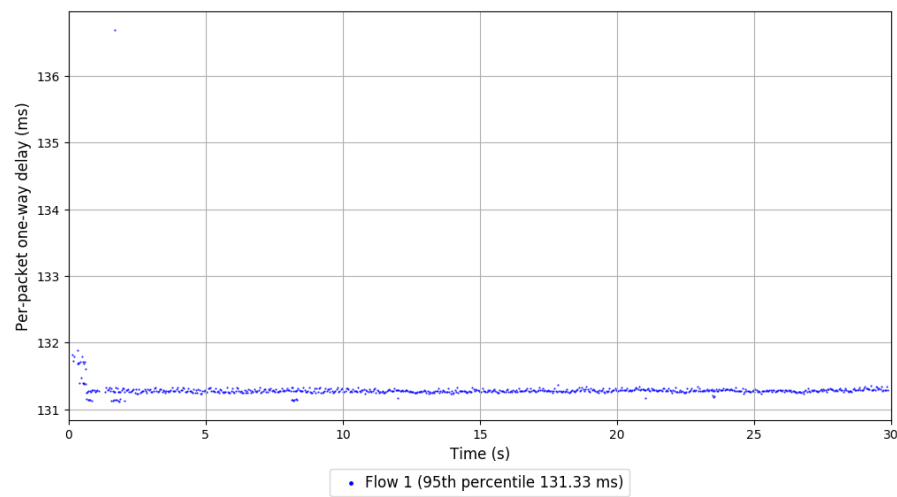
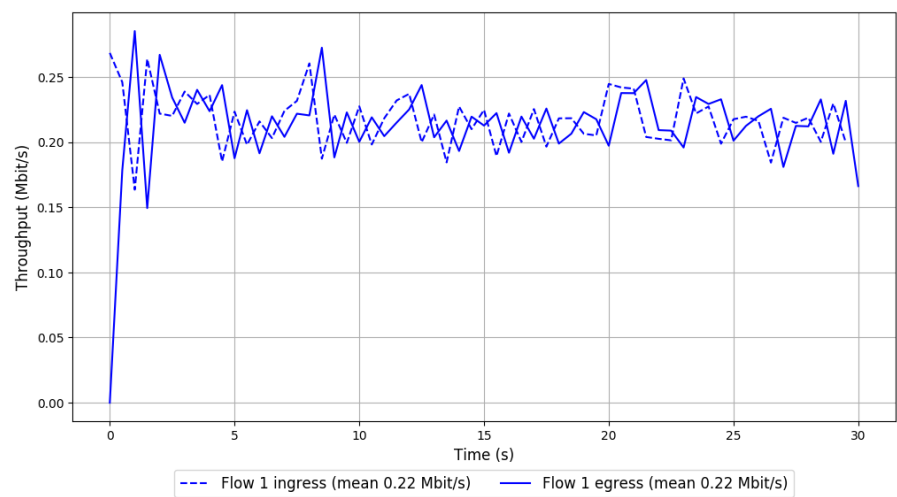


Run 9: Statistics of SCReAM

Start at: 2018-08-01 20:02:59
End at: 2018-08-01 20:03:29
Local clock offset: 0.586 ms
Remote clock offset: -34.192 ms

Below is generated by plot.py at 2018-08-01 21:05:32
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 131.330 ms
Loss rate: 0.64%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 131.330 ms
Loss rate: 0.64%

Run 9: Report of SReAM — Data Link

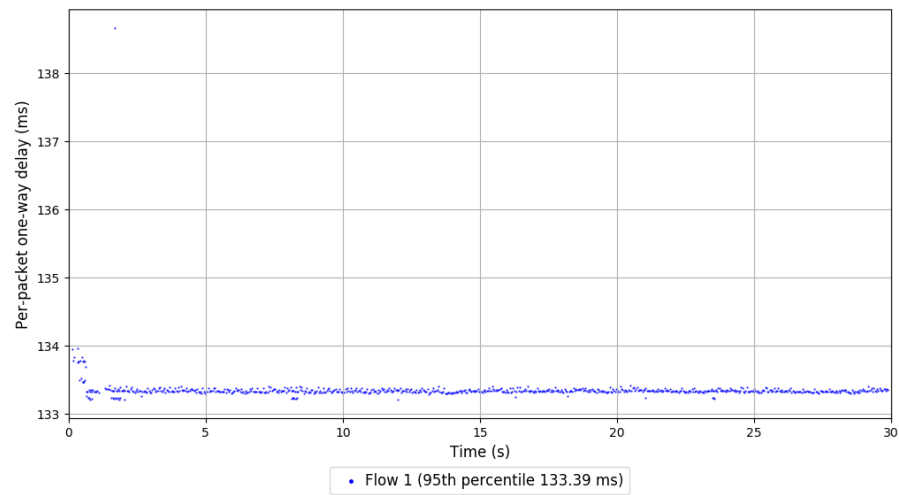
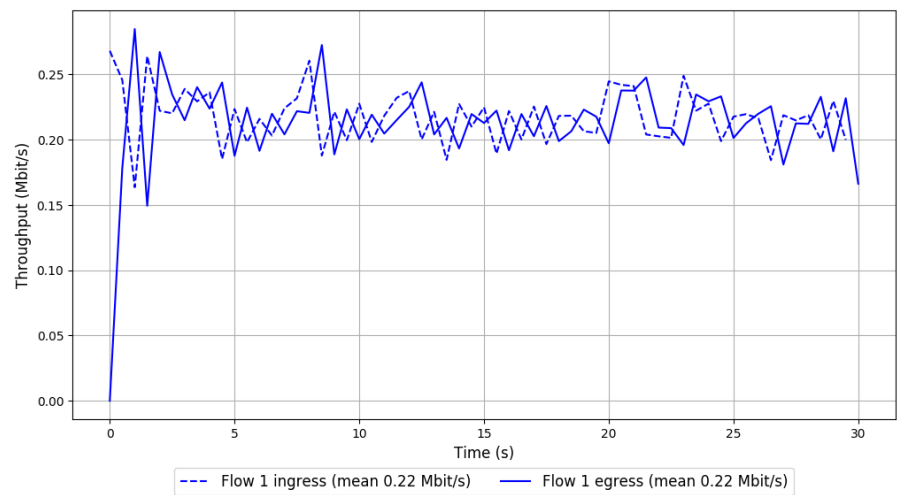


Run 10: Statistics of SReAM

Start at: 2018-08-01 20:24:57
End at: 2018-08-01 20:25:27
Local clock offset: -1.088 ms
Remote clock offset: -38.836 ms

Below is generated by plot.py at 2018-08-01 21:05:32
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 133.386 ms
Loss rate: 0.64%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 133.386 ms
Loss rate: 0.64%

Run 10: Report of SReAM — Data Link

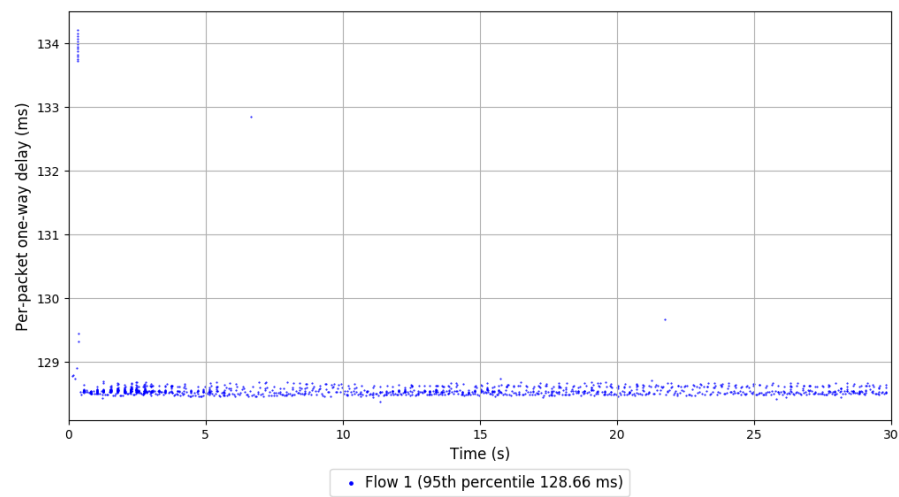
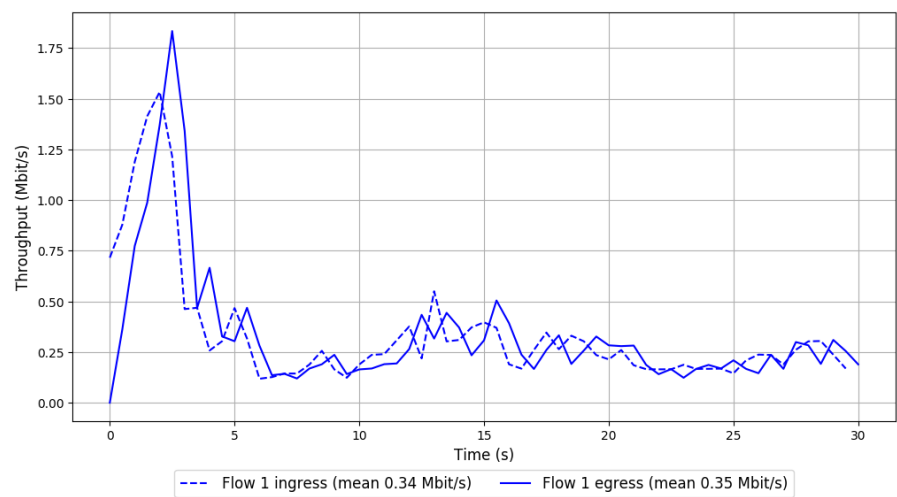


Run 1: Statistics of Sprout

Start at: 2018-08-01 16:31:31
End at: 2018-08-01 16:32:01
Local clock offset: 1.735 ms
Remote clock offset: -34.562 ms

Below is generated by plot.py at 2018-08-01 21:05:32
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.35 Mbit/s
95th percentile per-packet one-way delay: 128.662 ms
Loss rate: 0.35%
-- Flow 1:
Average throughput: 0.35 Mbit/s
95th percentile per-packet one-way delay: 128.662 ms
Loss rate: 0.35%

Run 1: Report of Sprout — Data Link

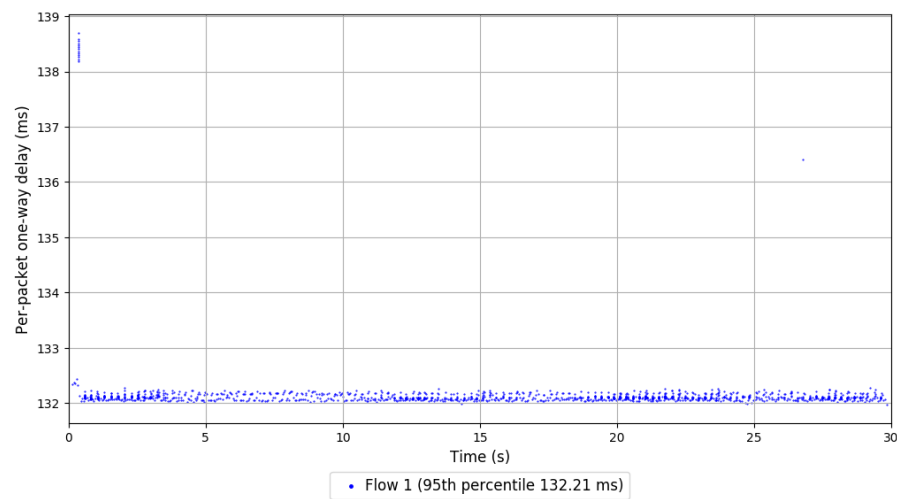
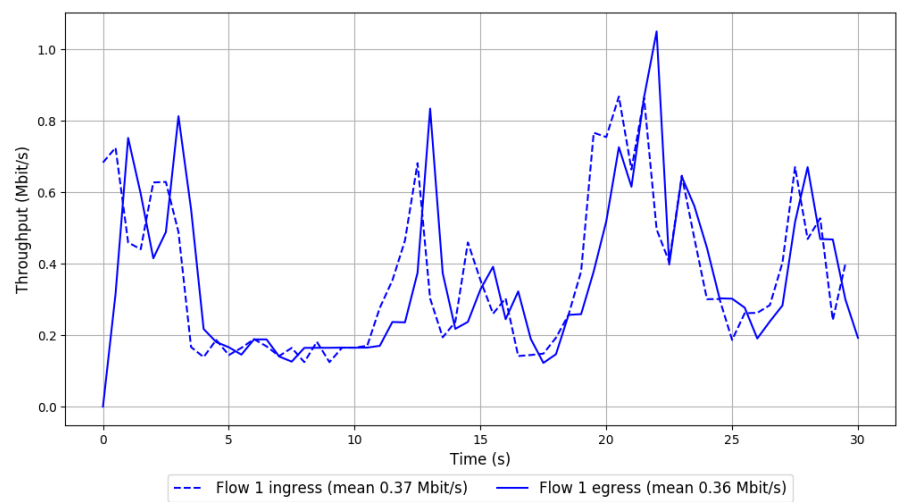


Run 2: Statistics of Sprout

Start at: 2018-08-01 16:58:59
End at: 2018-08-01 16:59:29
Local clock offset: 2.694 ms
Remote clock offset: -36.396 ms

Below is generated by plot.py at 2018-08-01 21:05:32
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.36 Mbit/s
95th percentile per-packet one-way delay: 132.212 ms
Loss rate: 0.97%
-- Flow 1:
Average throughput: 0.36 Mbit/s
95th percentile per-packet one-way delay: 132.212 ms
Loss rate: 0.97%

Run 2: Report of Sprout — Data Link

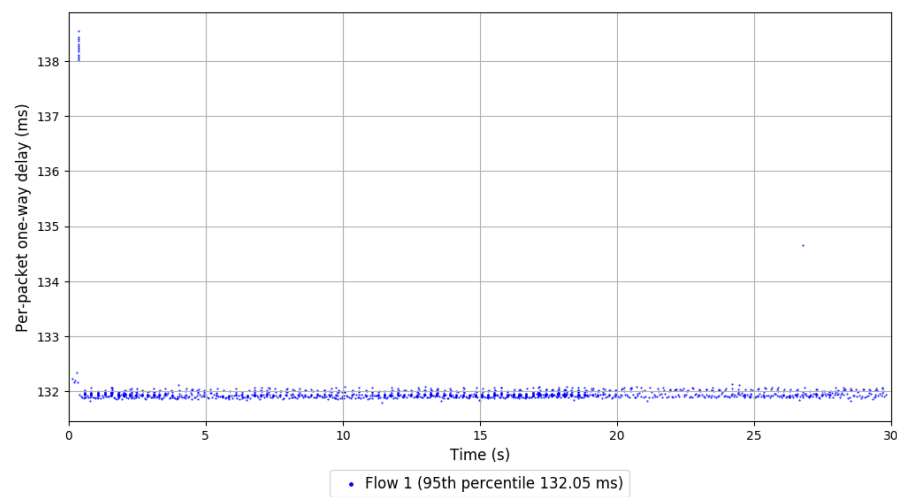
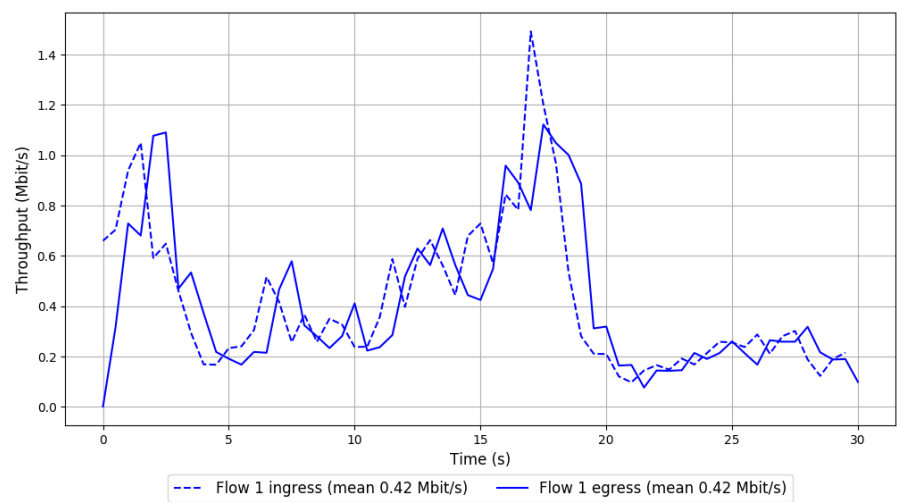


Run 3: Statistics of Sprout

Start at: 2018-08-01 17:26:19
End at: 2018-08-01 17:26:49
Local clock offset: 1.744 ms
Remote clock offset: -36.237 ms

Below is generated by plot.py at 2018-08-01 21:05:32
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.42 Mbit/s
95th percentile per-packet one-way delay: 132.054 ms
Loss rate: 0.47%
-- Flow 1:
Average throughput: 0.42 Mbit/s
95th percentile per-packet one-way delay: 132.054 ms
Loss rate: 0.47%

Run 3: Report of Sprout — Data Link



Run 4: Statistics of Sprout

Start at: 2018-08-01 17:48:08

End at: 2018-08-01 17:48:38

Local clock offset: -0.391 ms

Remote clock offset: -34.0 ms

Below is generated by plot.py at 2018-08-01 21:05:32

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.28 Mbit/s

95th percentile per-packet one-way delay: 128.485 ms

Loss rate: 0.70%

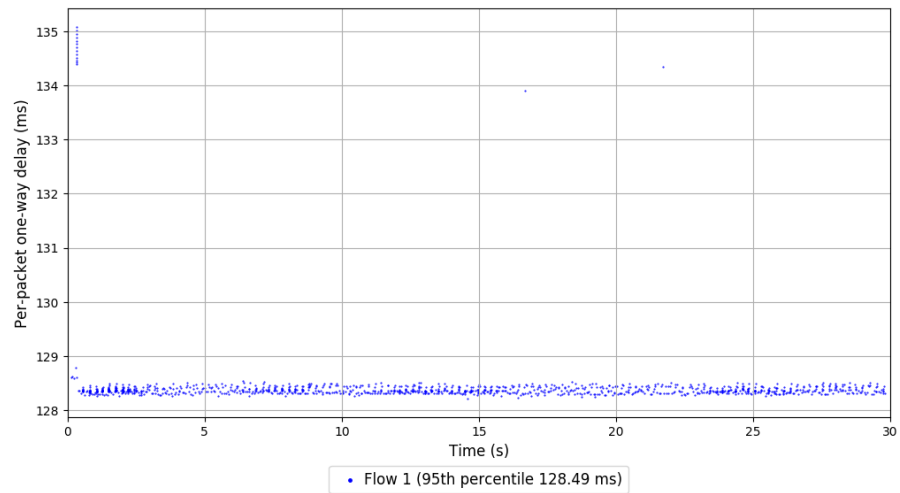
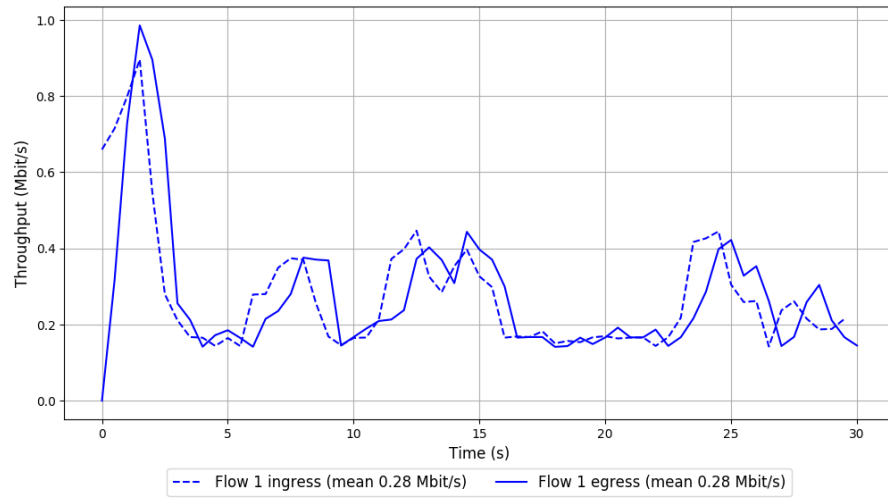
-- Flow 1:

Average throughput: 0.28 Mbit/s

95th percentile per-packet one-way delay: 128.485 ms

Loss rate: 0.70%

Run 4: Report of Sprout — Data Link

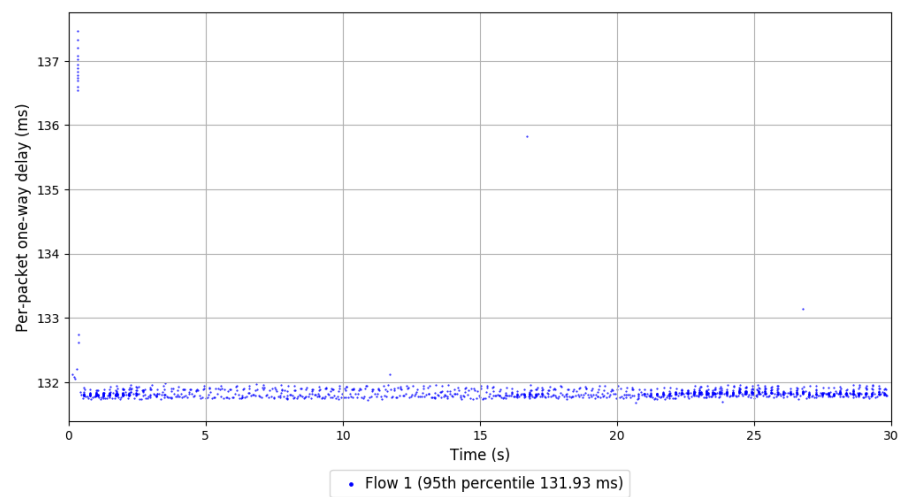
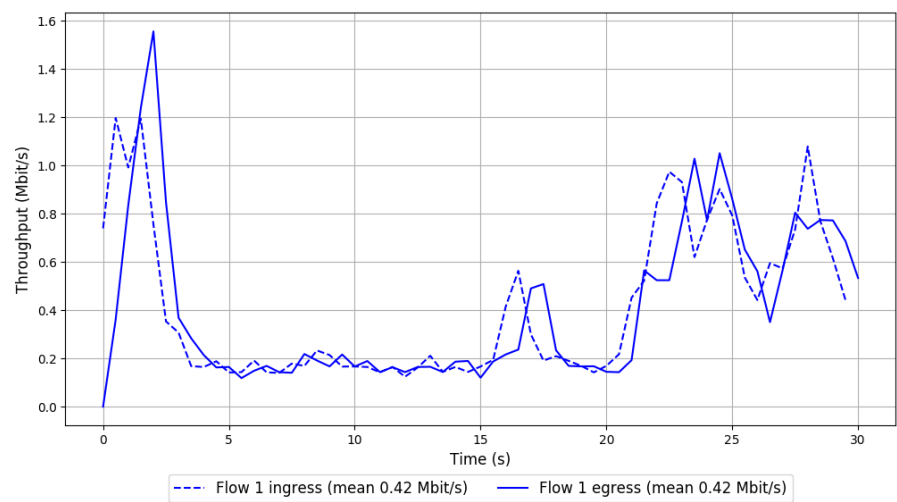


Run 5: Statistics of Sprout

Start at: 2018-08-01 18:15:39
End at: 2018-08-01 18:16:09
Local clock offset: 0.112 ms
Remote clock offset: -38.085 ms

Below is generated by plot.py at 2018-08-01 21:05:32
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.42 Mbit/s
95th percentile per-packet one-way delay: 131.932 ms
Loss rate: 0.75%
-- Flow 1:
Average throughput: 0.42 Mbit/s
95th percentile per-packet one-way delay: 131.932 ms
Loss rate: 0.75%

Run 5: Report of Sprout — Data Link

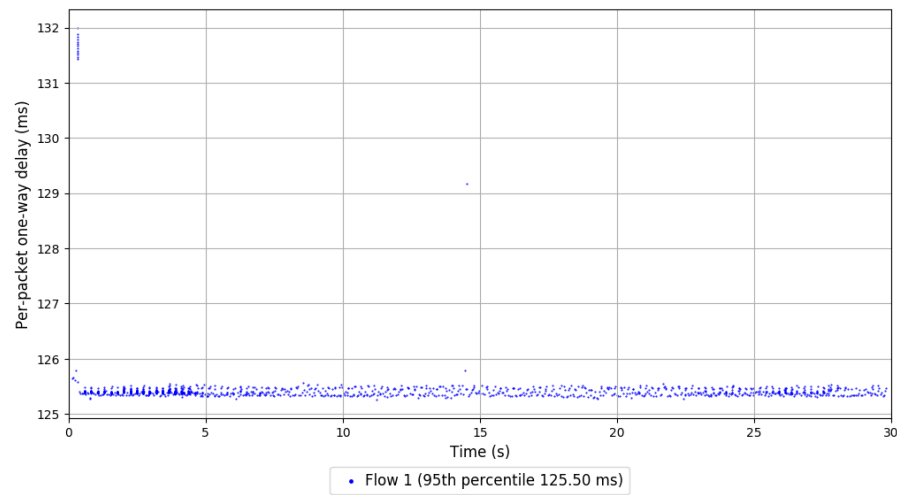
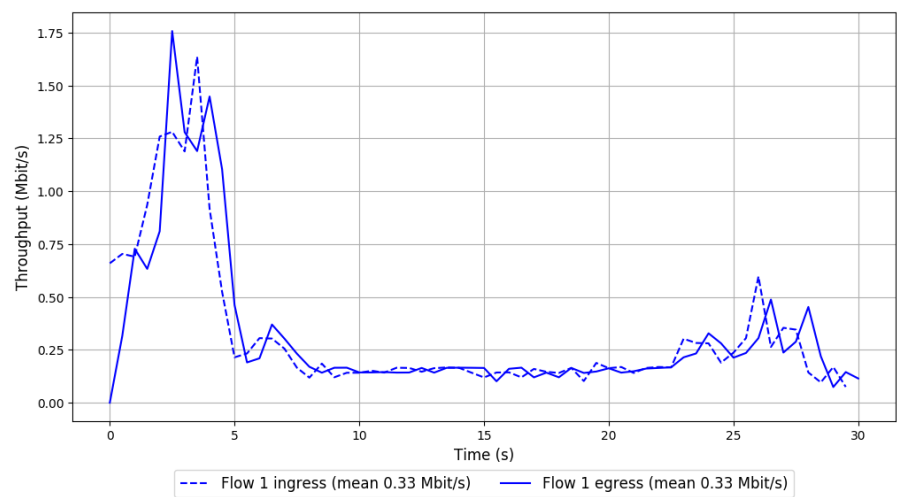


Run 6: Statistics of Sprout

Start at: 2018-08-01 18:37:48
End at: 2018-08-01 18:38:18
Local clock offset: 0.783 ms
Remote clock offset: -31.465 ms

Below is generated by plot.py at 2018-08-01 21:05:32
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.33 Mbit/s
95th percentile per-packet one-way delay: 125.504 ms
Loss rate: 0.15%
-- Flow 1:
Average throughput: 0.33 Mbit/s
95th percentile per-packet one-way delay: 125.504 ms
Loss rate: 0.15%

Run 6: Report of Sprout — Data Link

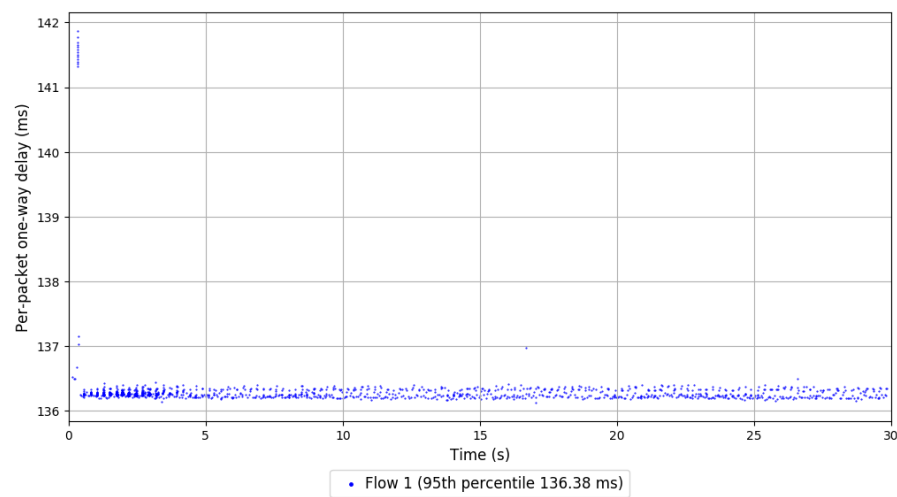
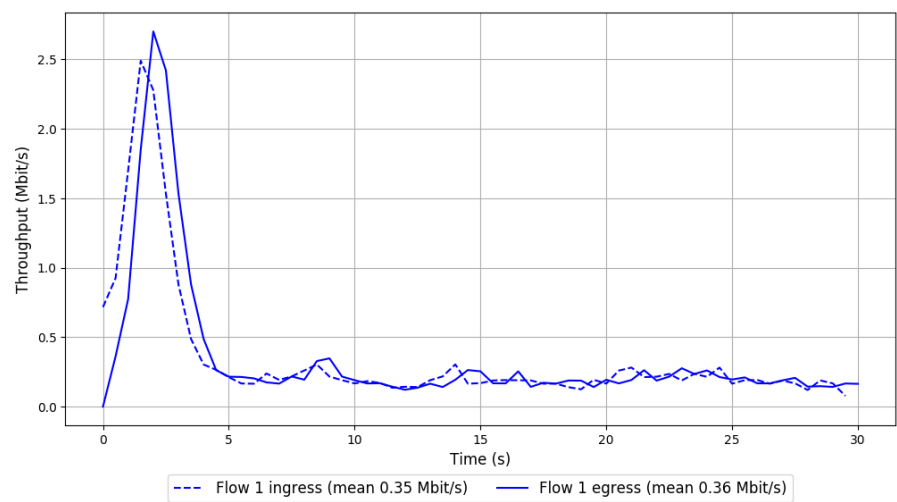


Run 7: Statistics of Sprout

Start at: 2018-08-01 19:11:06
End at: 2018-08-01 19:11:36
Local clock offset: 3.036 ms
Remote clock offset: -38.682 ms

Below is generated by plot.py at 2018-08-01 21:05:32
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.36 Mbit/s
95th percentile per-packet one-way delay: 136.376 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 0.36 Mbit/s
95th percentile per-packet one-way delay: 136.376 ms
Loss rate: 0.03%

Run 7: Report of Sprout — Data Link

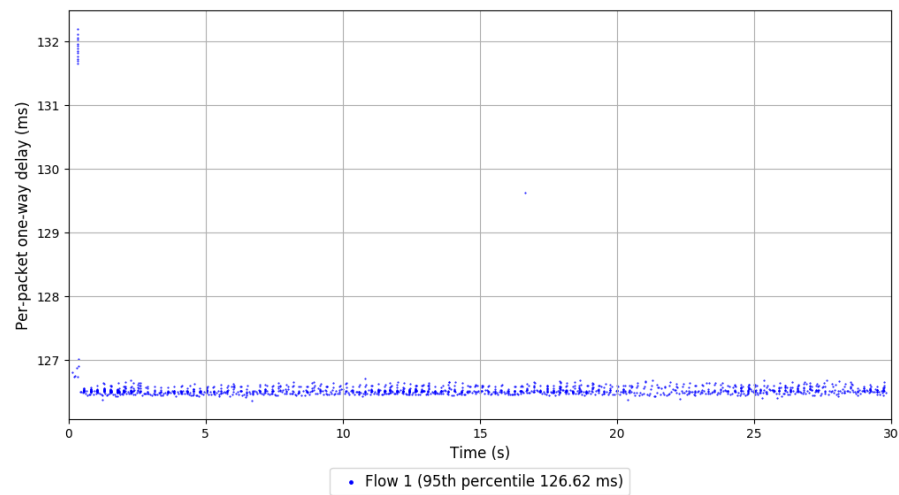
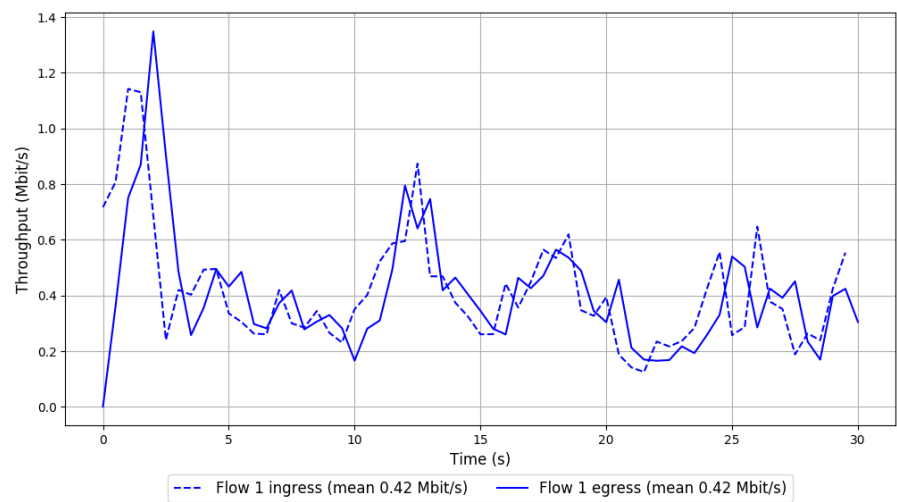


Run 8: Statistics of Sprout

Start at: 2018-08-01 19:38:36
End at: 2018-08-01 19:39:06
Local clock offset: -0.669 ms
Remote clock offset: -33.53 ms

Below is generated by plot.py at 2018-08-01 21:05:32
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.42 Mbit/s
95th percentile per-packet one-way delay: 126.622 ms
Loss rate: 1.01%
-- Flow 1:
Average throughput: 0.42 Mbit/s
95th percentile per-packet one-way delay: 126.622 ms
Loss rate: 1.01%

Run 8: Report of Sprout — Data Link

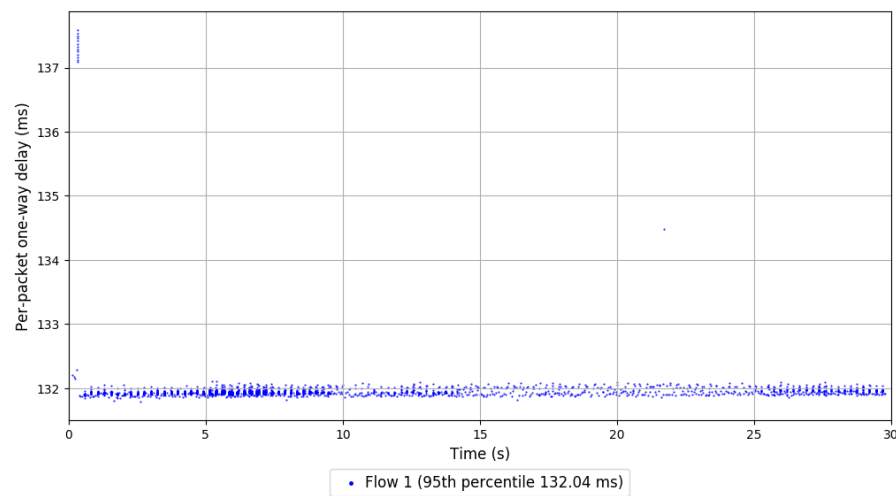
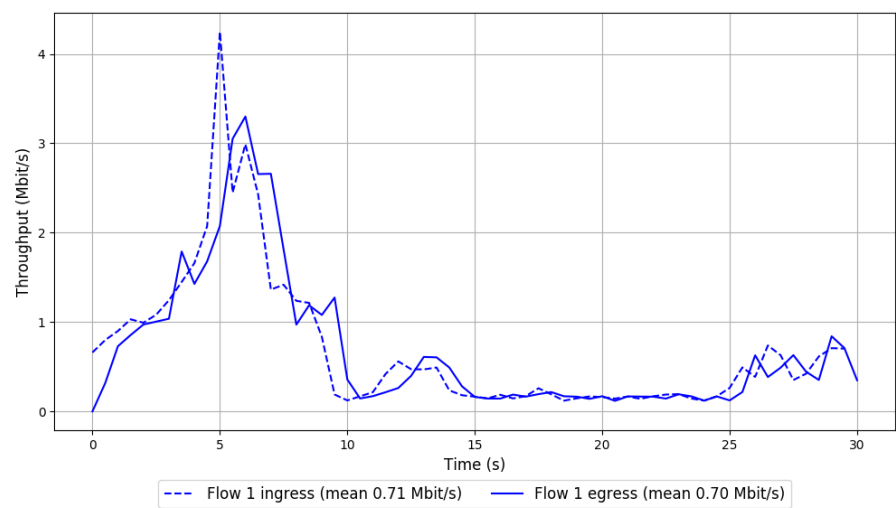


Run 9: Statistics of Sprout

Start at: 2018-08-01 20:00:26
End at: 2018-08-01 20:00:56
Local clock offset: -1.038 ms
Remote clock offset: -38.178 ms

Below is generated by plot.py at 2018-08-01 21:05:32
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.70 Mbit/s
95th percentile per-packet one-way delay: 132.037 ms
Loss rate: 0.85%
-- Flow 1:
Average throughput: 0.70 Mbit/s
95th percentile per-packet one-way delay: 132.037 ms
Loss rate: 0.85%

Run 9: Report of Sprout — Data Link

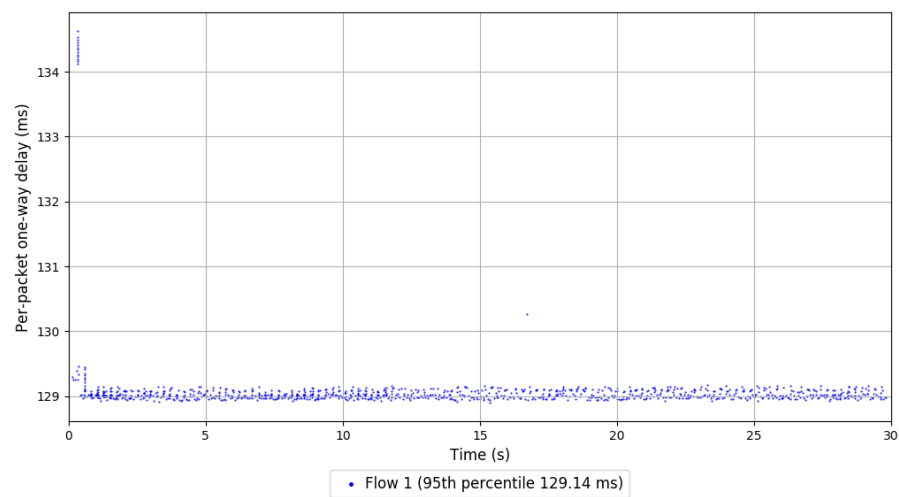
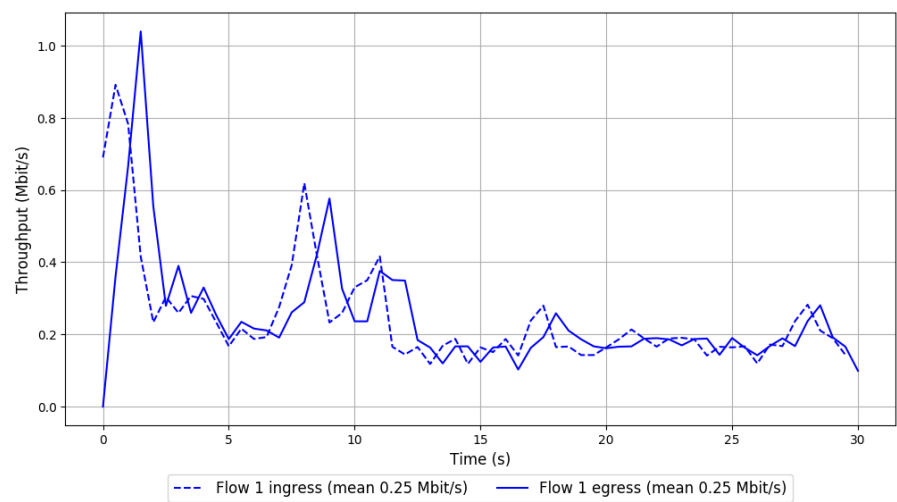


Run 10: Statistics of Sprout

Start at: 2018-08-01 20:22:22
End at: 2018-08-01 20:22:52
Local clock offset: -2.681 ms
Remote clock offset: -34.646 ms

Below is generated by plot.py at 2018-08-01 21:05:32
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.25 Mbit/s
95th percentile per-packet one-way delay: 129.143 ms
Loss rate: 0.61%
-- Flow 1:
Average throughput: 0.25 Mbit/s
95th percentile per-packet one-way delay: 129.143 ms
Loss rate: 0.61%

Run 10: Report of Sprout — Data Link



Run 1: Statistics of TaoVA-100x

Start at: 2018-08-01 16:28:40

End at: 2018-08-01 16:29:10

Local clock offset: 1.475 ms

Remote clock offset: -37.82 ms

Below is generated by plot.py at 2018-08-01 21:07:23

Datalink statistics

-- Total of 1 flow:

Average throughput: 142.00 Mbit/s

95th percentile per-packet one-way delay: 133.674 ms

Loss rate: 1.52%

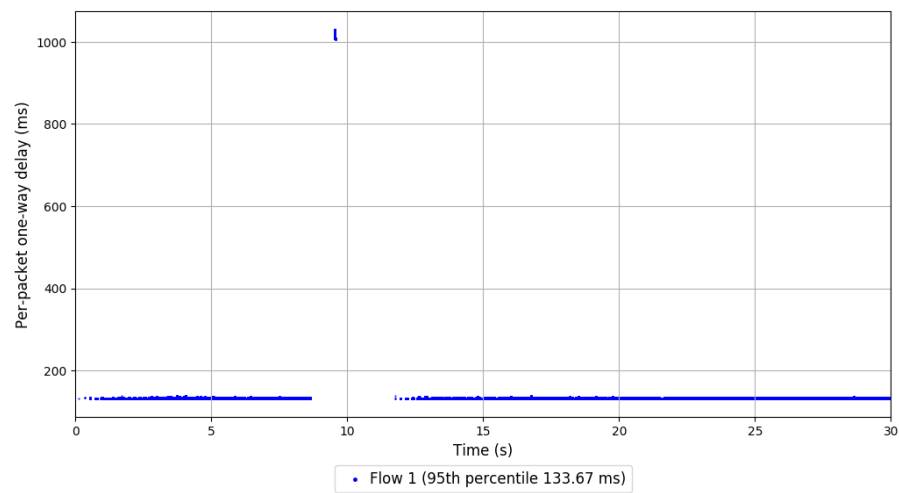
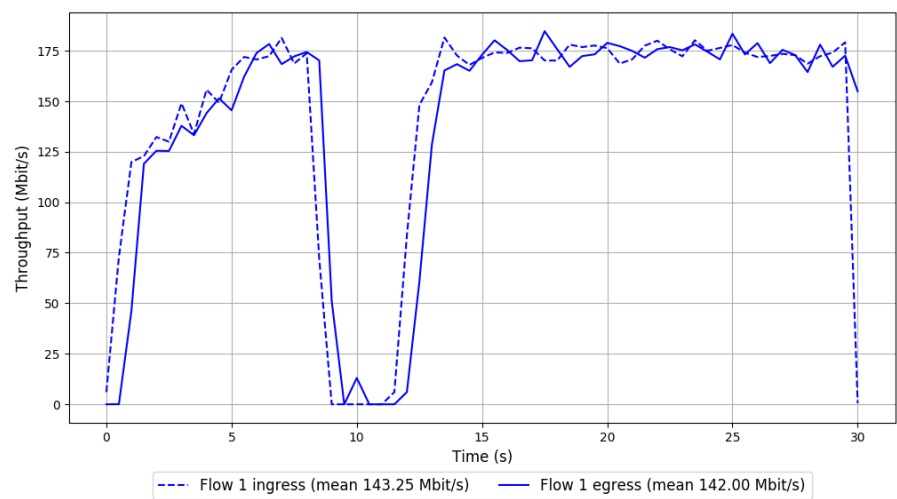
-- Flow 1:

Average throughput: 142.00 Mbit/s

95th percentile per-packet one-way delay: 133.674 ms

Loss rate: 1.52%

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

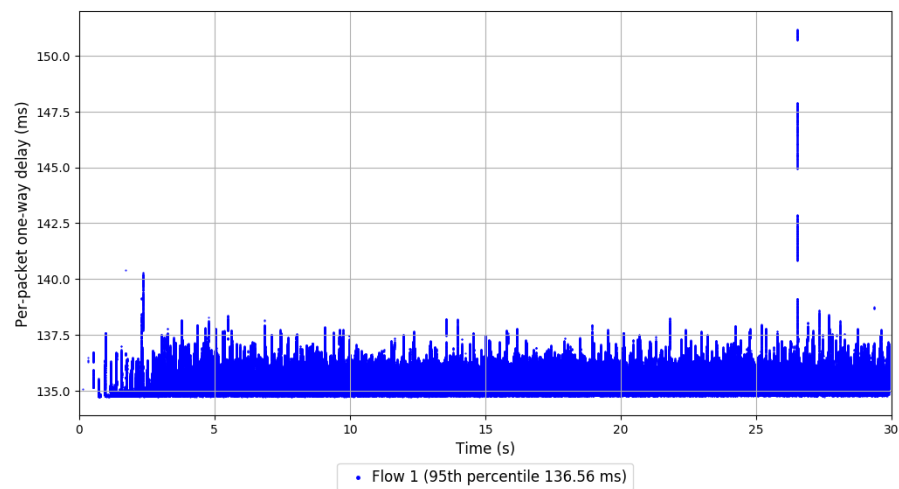
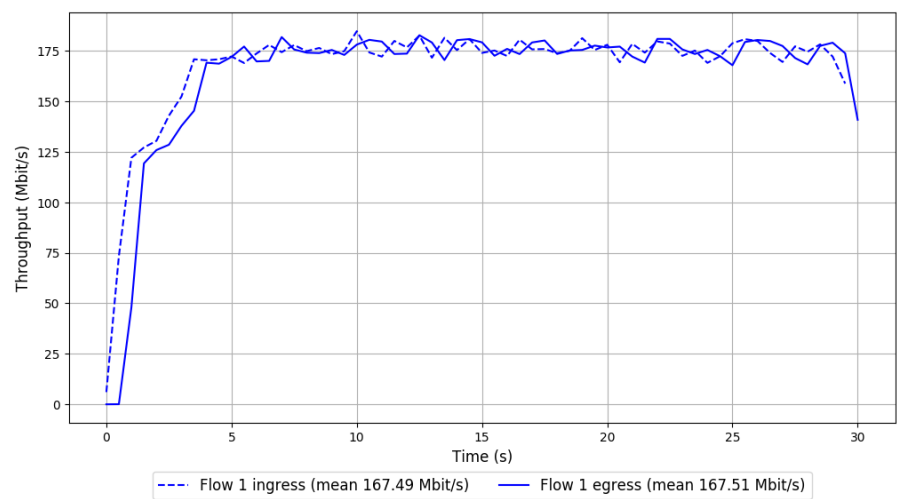


```
Run 2: Statistics of TaoVA-100x

Start at: 2018-08-01 16:56:22
End at: 2018-08-01 16:56:52
Local clock offset: 1.525 ms
Remote clock offset: -40.305 ms

# Below is generated by plot.py at 2018-08-01 21:07:56
# Datalink statistics
-- Total of 1 flow:
Average throughput: 167.51 Mbit/s
95th percentile per-packet one-way delay: 136.563 ms
Loss rate: 0.65%
-- Flow 1:
Average throughput: 167.51 Mbit/s
95th percentile per-packet one-way delay: 136.563 ms
Loss rate: 0.65%
```

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

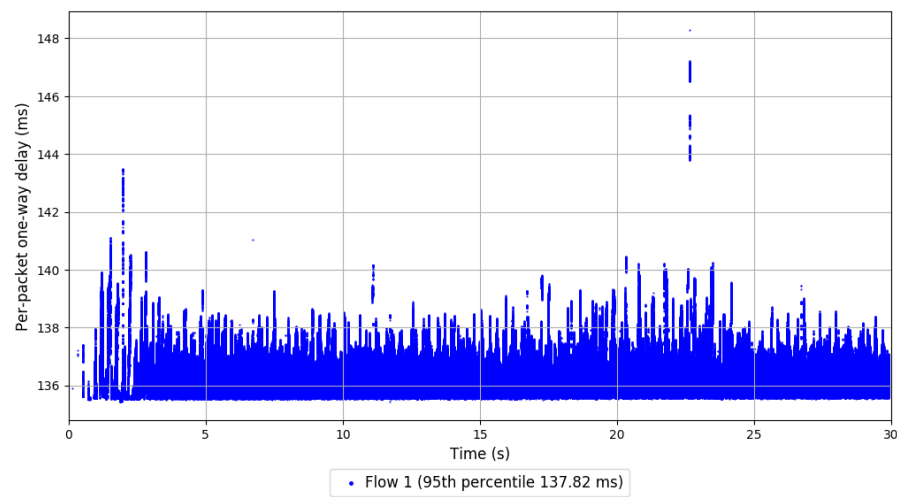
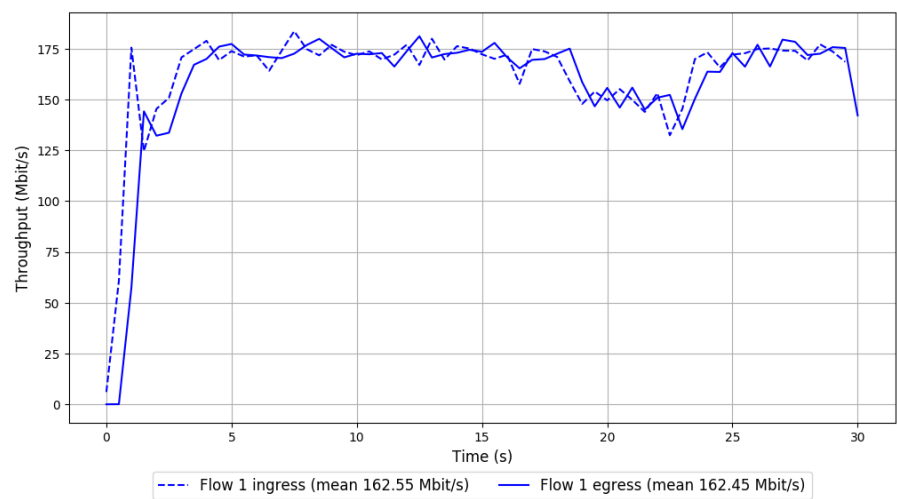


Run 3: Statistics of TaoVA-100x

Start at: 2018-08-01 17:23:43
End at: 2018-08-01 17:24:13
Local clock offset: 3.492 ms
Remote clock offset: -39.881 ms

Below is generated by plot.py at 2018-08-01 21:07:56
Datalink statistics
-- Total of 1 flow:
Average throughput: 162.45 Mbit/s
95th percentile per-packet one-way delay: 137.816 ms
Loss rate: 0.72%
-- Flow 1:
Average throughput: 162.45 Mbit/s
95th percentile per-packet one-way delay: 137.816 ms
Loss rate: 0.72%

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

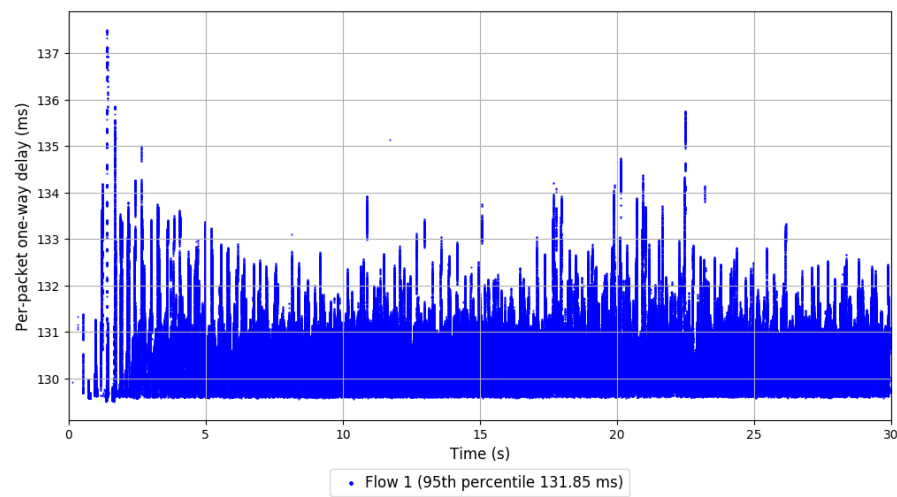
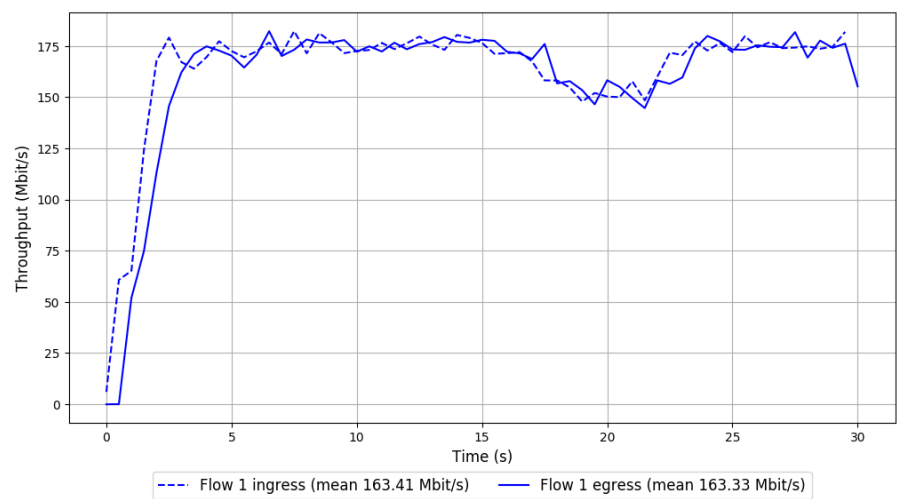


Run 4: Statistics of TaoVA-100x

Start at: 2018-08-01 17:45:32
End at: 2018-08-01 17:46:02
Local clock offset: 1.195 ms
Remote clock offset: -33.837 ms

Below is generated by plot.py at 2018-08-01 21:08:00
Datalink statistics
-- Total of 1 flow:
Average throughput: 163.33 Mbit/s
95th percentile per-packet one-way delay: 131.854 ms
Loss rate: 0.70%
-- Flow 1:
Average throughput: 163.33 Mbit/s
95th percentile per-packet one-way delay: 131.854 ms
Loss rate: 0.70%

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

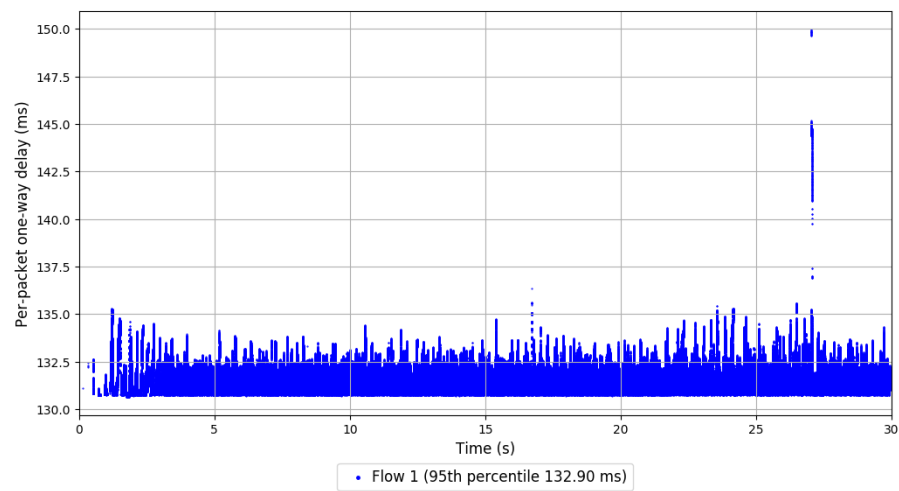
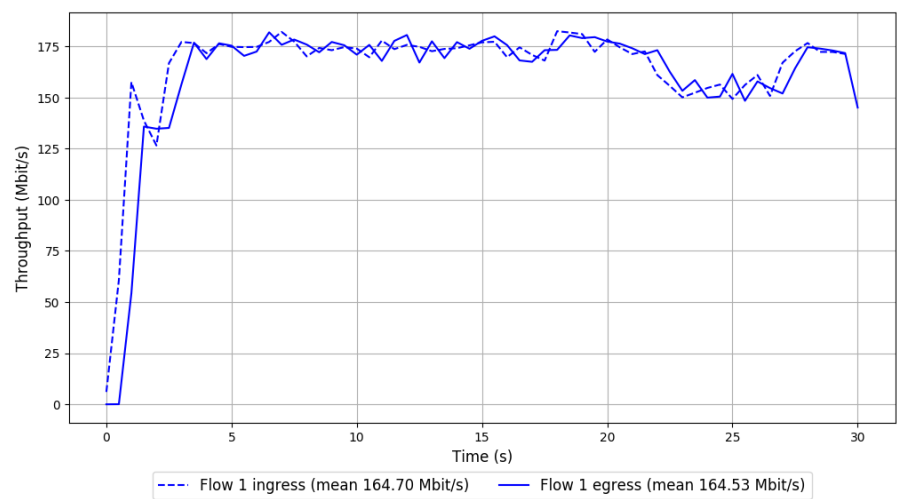


Run 5: Statistics of TaoVA-100x

Start at: 2018-08-01 18:12:47
End at: 2018-08-01 18:13:17
Local clock offset: 1.653 ms
Remote clock offset: -35.671 ms

Below is generated by plot.py at 2018-08-01 21:08:19
Datalink statistics
-- Total of 1 flow:
Average throughput: 164.53 Mbit/s
95th percentile per-packet one-way delay: 132.896 ms
Loss rate: 0.75%
-- Flow 1:
Average throughput: 164.53 Mbit/s
95th percentile per-packet one-way delay: 132.896 ms
Loss rate: 0.75%

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

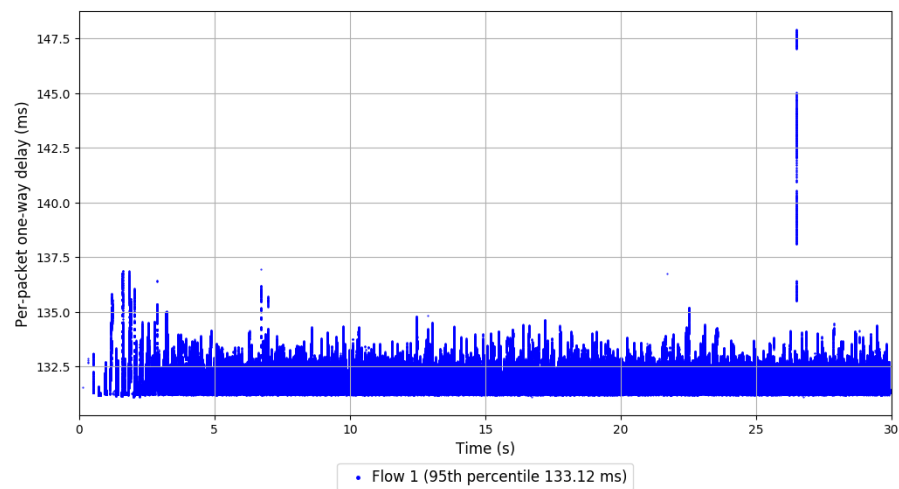
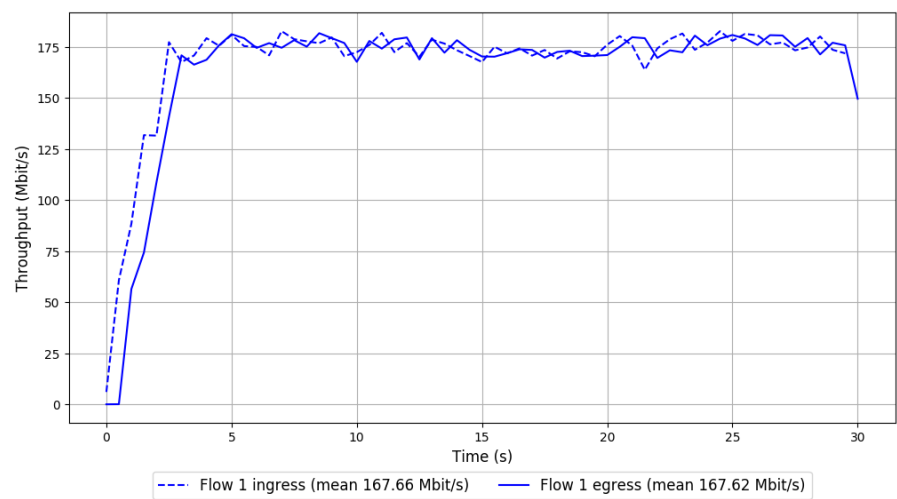


Run 6: Statistics of TaoVA-100x

Start at: 2018-08-01 18:34:56
End at: 2018-08-01 18:35:26
Local clock offset: 1.166 ms
Remote clock offset: -35.352 ms

Below is generated by plot.py at 2018-08-01 21:08:40
Datalink statistics
-- Total of 1 flow:
Average throughput: 167.62 Mbit/s
95th percentile per-packet one-way delay: 133.117 ms
Loss rate: 0.67%
-- Flow 1:
Average throughput: 167.62 Mbit/s
95th percentile per-packet one-way delay: 133.117 ms
Loss rate: 0.67%

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

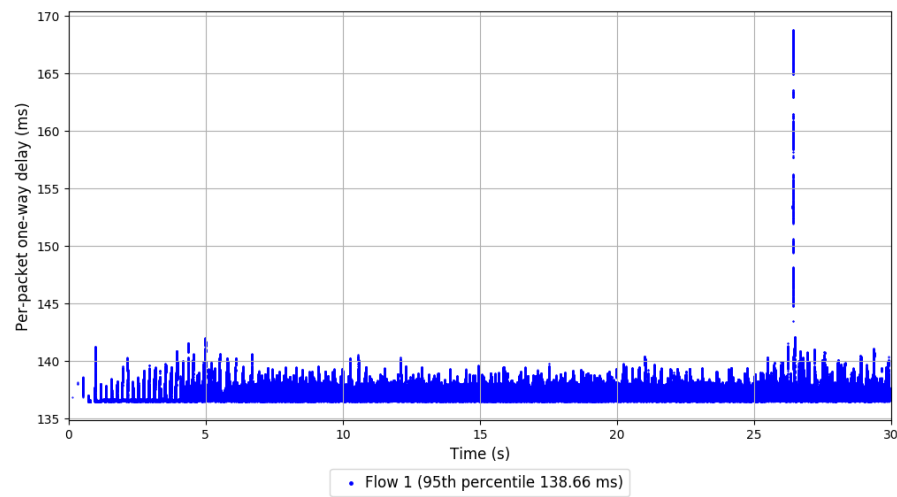
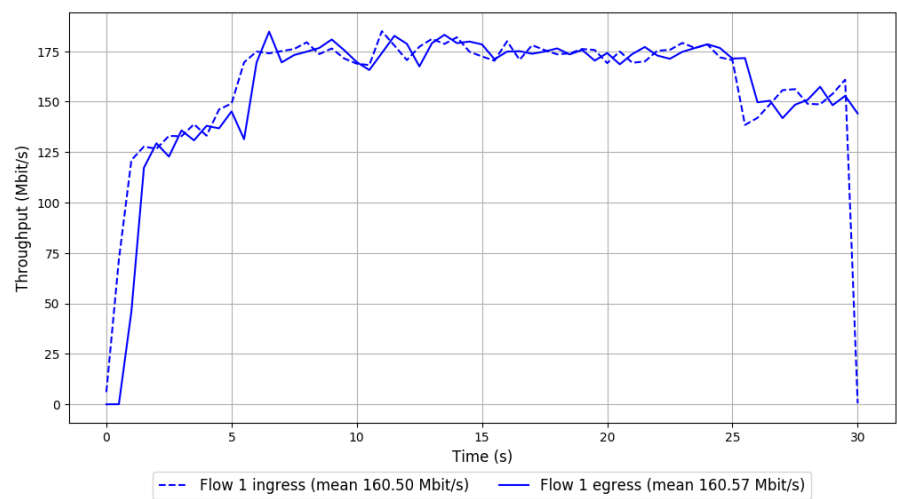


Run 7: Statistics of TaoVA-100x

Start at: 2018-08-01 19:08:24
End at: 2018-08-01 19:08:54
Local clock offset: 3.016 ms
Remote clock offset: -38.865 ms

Below is generated by plot.py at 2018-08-01 21:08:40
Datalink statistics
-- Total of 1 flow:
Average throughput: 160.57 Mbit/s
95th percentile per-packet one-way delay: 138.655 ms
Loss rate: 0.62%
-- Flow 1:
Average throughput: 160.57 Mbit/s
95th percentile per-packet one-way delay: 138.655 ms
Loss rate: 0.62%

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

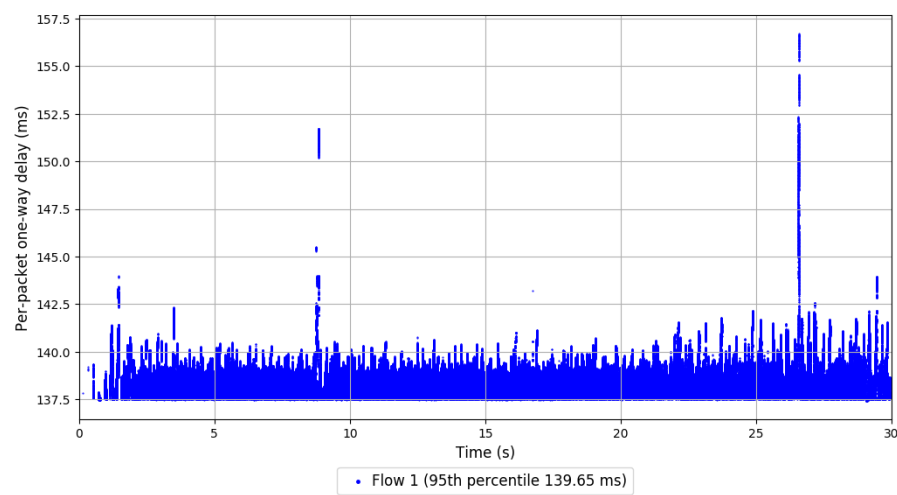
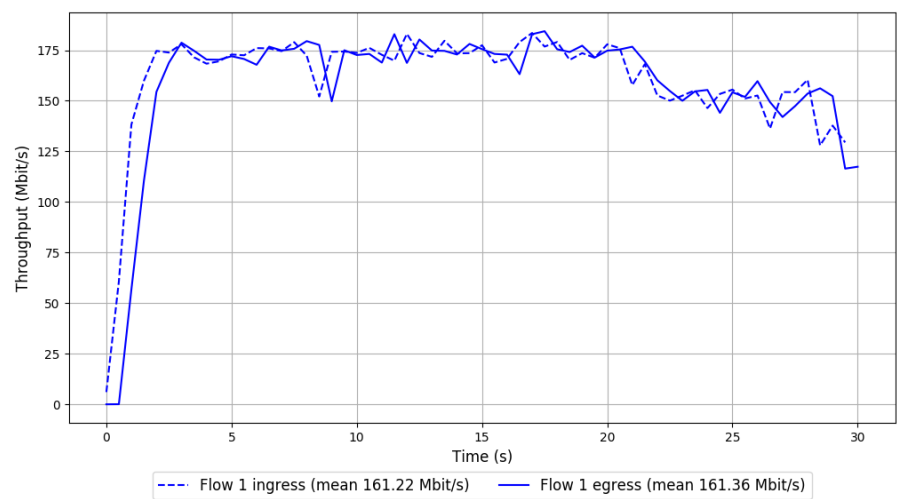


Run 8: Statistics of TaoVA-100x

Start at: 2018-08-01 19:35:51
End at: 2018-08-01 19:36:21
Local clock offset: 2.348 ms
Remote clock offset: -41.694 ms

Below is generated by plot.py at 2018-08-01 21:08:59
Datalink statistics
-- Total of 1 flow:
Average throughput: 161.36 Mbit/s
95th percentile per-packet one-way delay: 139.651 ms
Loss rate: 0.57%
-- Flow 1:
Average throughput: 161.36 Mbit/s
95th percentile per-packet one-way delay: 139.651 ms
Loss rate: 0.57%

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

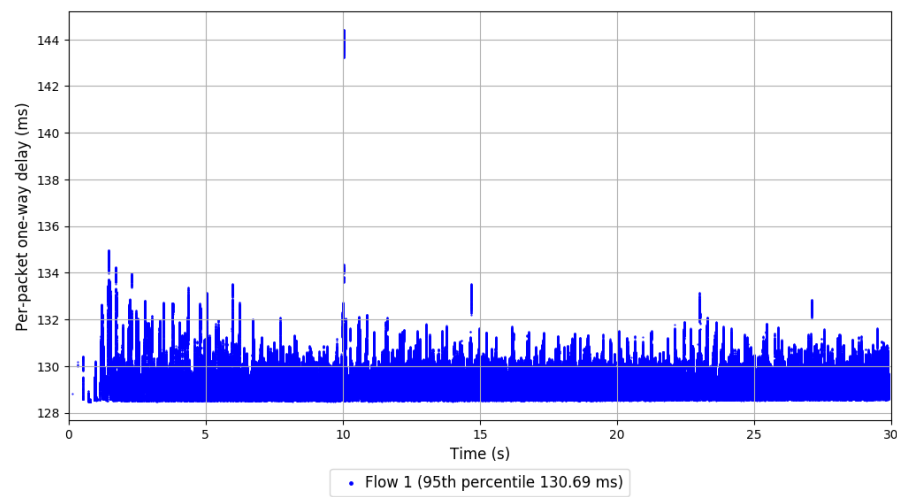
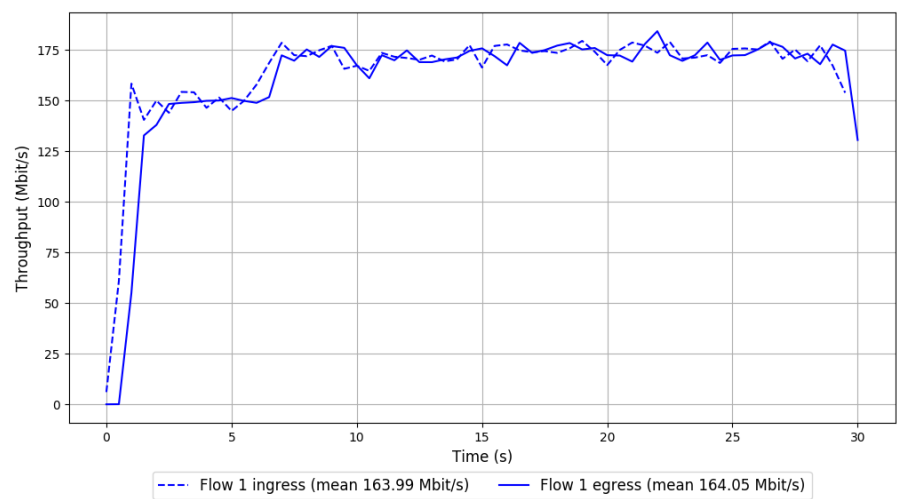


Run 9: Statistics of TaoVA-100x

Start at: 2018-08-01 19:57:49
End at: 2018-08-01 19:58:19
Local clock offset: -0.099 ms
Remote clock offset: -34.198 ms

Below is generated by plot.py at 2018-08-01 21:10:54
Datalink statistics
-- Total of 1 flow:
Average throughput: 164.05 Mbit/s
95th percentile per-packet one-way delay: 130.685 ms
Loss rate: 0.64%
-- Flow 1:
Average throughput: 164.05 Mbit/s
95th percentile per-packet one-way delay: 130.685 ms
Loss rate: 0.64%

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

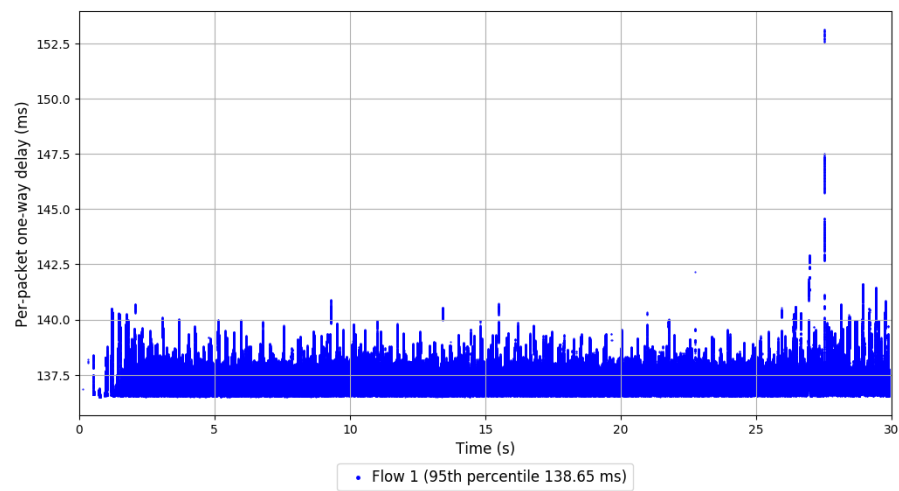
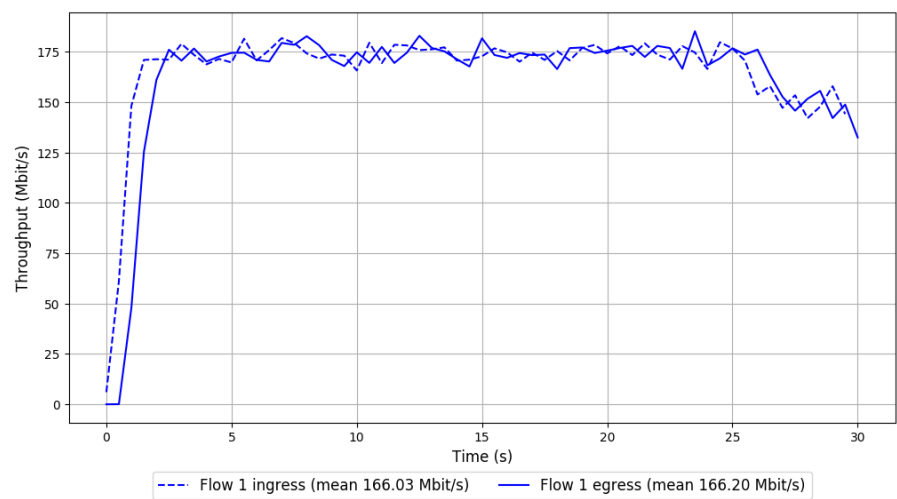


Run 10: Statistics of TaoVA-100x

Start at: 2018-08-01 20:19:28
End at: 2018-08-01 20:19:58
Local clock offset: -1.598 ms
Remote clock offset: -41.121 ms

Below is generated by plot.py at 2018-08-01 21:11:22
Datalink statistics
-- Total of 1 flow:
Average throughput: 166.20 Mbit/s
95th percentile per-packet one-way delay: 138.654 ms
Loss rate: 0.56%
-- Flow 1:
Average throughput: 166.20 Mbit/s
95th percentile per-packet one-way delay: 138.654 ms
Loss rate: 0.56%

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

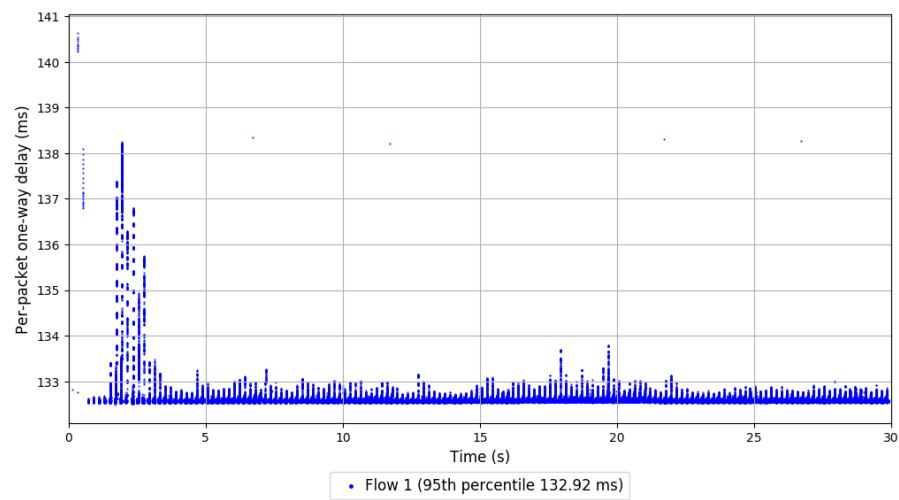
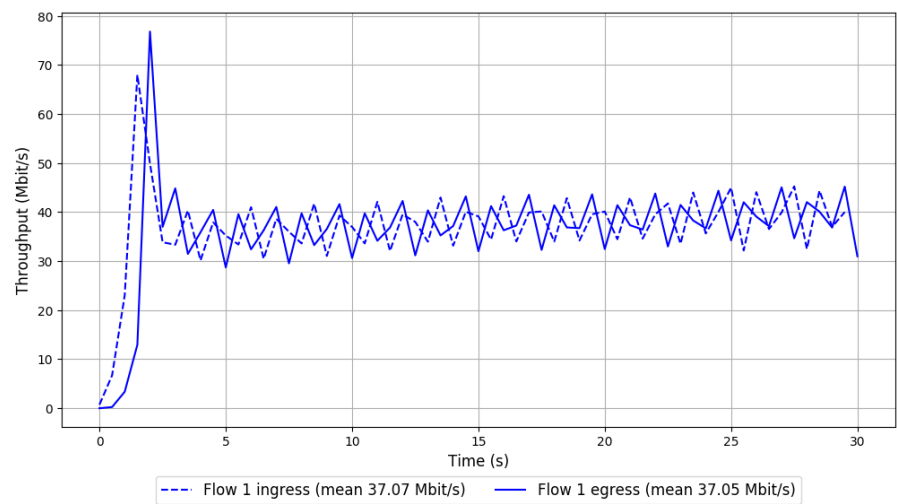


Run 1: Statistics of TCP Vegas

Start at: 2018-08-01 16:35:15
End at: 2018-08-01 16:35:45
Local clock offset: 0.483 ms
Remote clock offset: -41.42 ms

Below is generated by plot.py at 2018-08-01 21:11:22
Datalink statistics
-- Total of 1 flow:
Average throughput: 37.05 Mbit/s
95th percentile per-packet one-way delay: 132.918 ms
Loss rate: 0.69%
-- Flow 1:
Average throughput: 37.05 Mbit/s
95th percentile per-packet one-way delay: 132.918 ms
Loss rate: 0.69%

Run 1: Report of TCP Vegas — Data Link

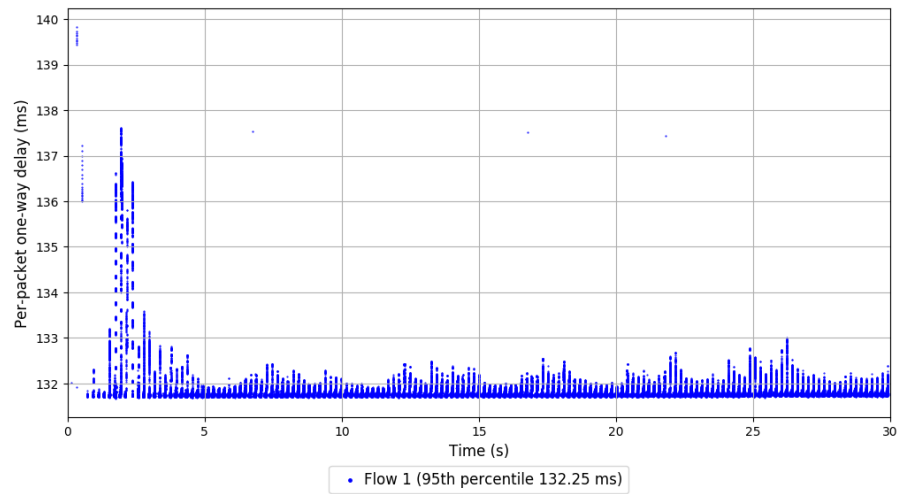
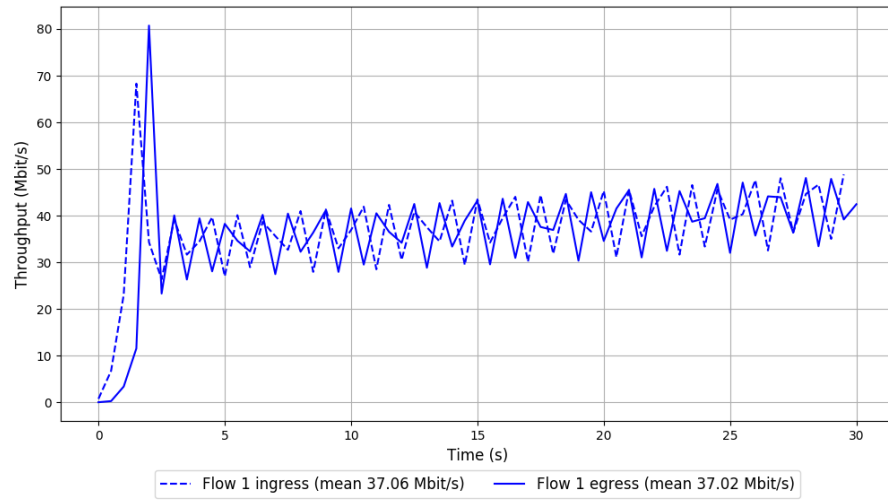


Run 2: Statistics of TCP Vegas

Start at: 2018-08-01 17:02:42
End at: 2018-08-01 17:03:12
Local clock offset: 3.261 ms
Remote clock offset: -35.324 ms

Below is generated by plot.py at 2018-08-01 21:11:22
Datalink statistics
-- Total of 1 flow:
Average throughput: 37.02 Mbit/s
95th percentile per-packet one-way delay: 132.253 ms
Loss rate: 0.74%
-- Flow 1:
Average throughput: 37.02 Mbit/s
95th percentile per-packet one-way delay: 132.253 ms
Loss rate: 0.74%

Run 2: Report of TCP Vegas — Data Link

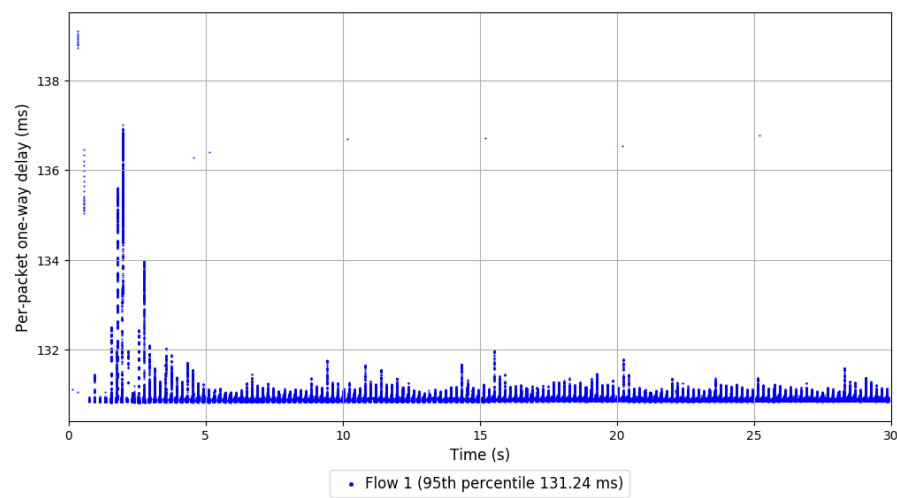
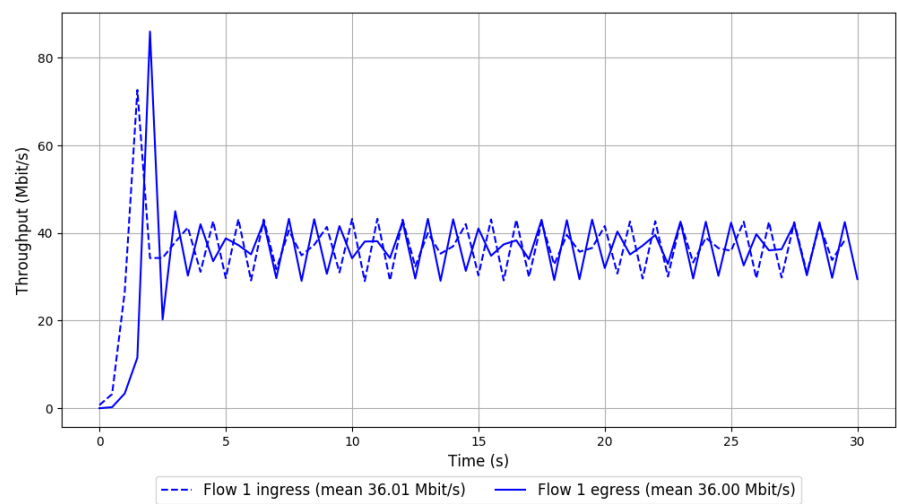


Run 3: Statistics of TCP Vegas

Start at: 2018-08-01 17:30:02
End at: 2018-08-01 17:30:32
Local clock offset: 1.94 ms
Remote clock offset: -34.76 ms

Below is generated by plot.py at 2018-08-01 21:11:22
Datalink statistics
-- Total of 1 flow:
Average throughput: 36.00 Mbit/s
95th percentile per-packet one-way delay: 131.239 ms
Loss rate: 0.67%
-- Flow 1:
Average throughput: 36.00 Mbit/s
95th percentile per-packet one-way delay: 131.239 ms
Loss rate: 0.67%

Run 3: Report of TCP Vegas — Data Link

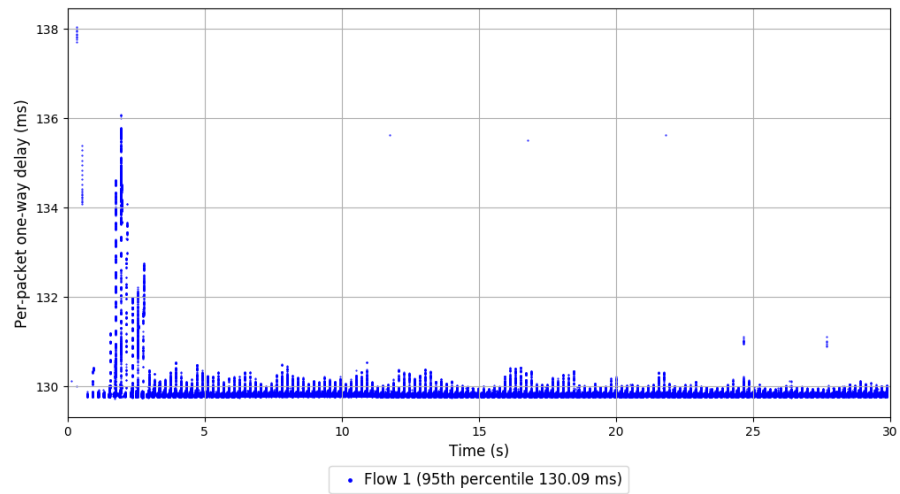
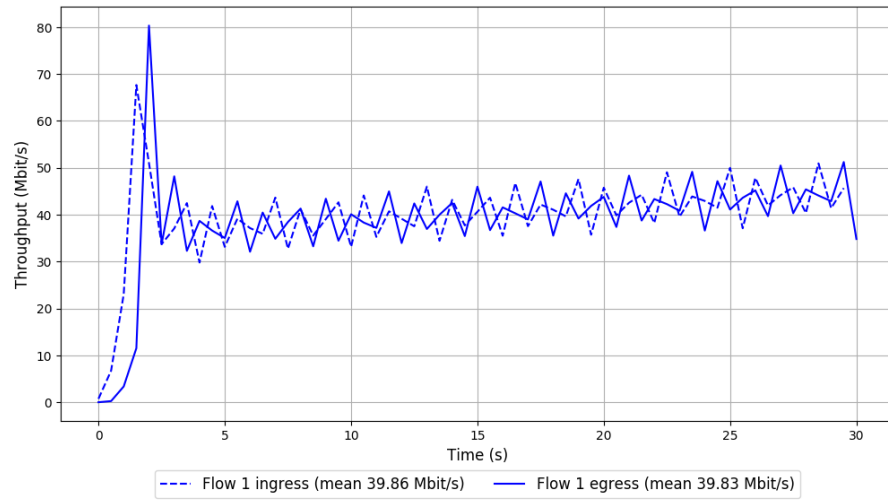


Run 4: Statistics of TCP Vegas

Start at: 2018-08-01 17:57:25
End at: 2018-08-01 17:57:55
Local clock offset: -0.344 ms
Remote clock offset: -35.296 ms

Below is generated by plot.py at 2018-08-01 21:11:22
Datalink statistics
-- Total of 1 flow:
Average throughput: 39.83 Mbit/s
95th percentile per-packet one-way delay: 130.091 ms
Loss rate: 0.73%
-- Flow 1:
Average throughput: 39.83 Mbit/s
95th percentile per-packet one-way delay: 130.091 ms
Loss rate: 0.73%

Run 4: Report of TCP Vegas — Data Link

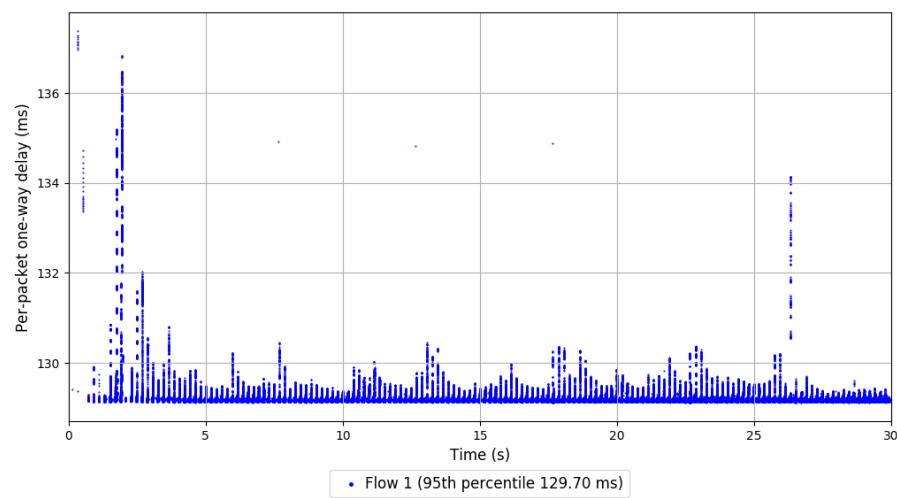
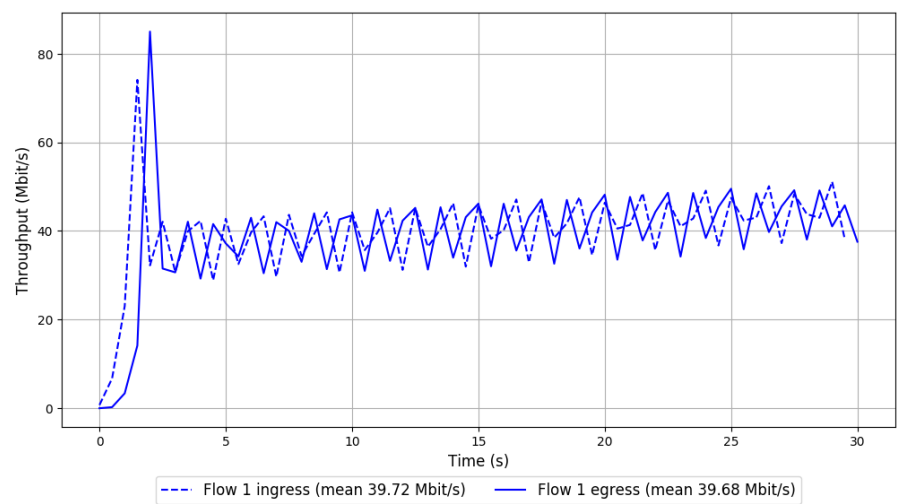


Run 5: Statistics of TCP Vegas

Start at: 2018-08-01 18:19:23
End at: 2018-08-01 18:19:53
Local clock offset: 1.108 ms
Remote clock offset: -34.377 ms

Below is generated by plot.py at 2018-08-01 21:11:22
Datalink statistics
-- Total of 1 flow:
Average throughput: 39.68 Mbit/s
95th percentile per-packet one-way delay: 129.696 ms
Loss rate: 0.73%
-- Flow 1:
Average throughput: 39.68 Mbit/s
95th percentile per-packet one-way delay: 129.696 ms
Loss rate: 0.73%

Run 5: Report of TCP Vegas — Data Link

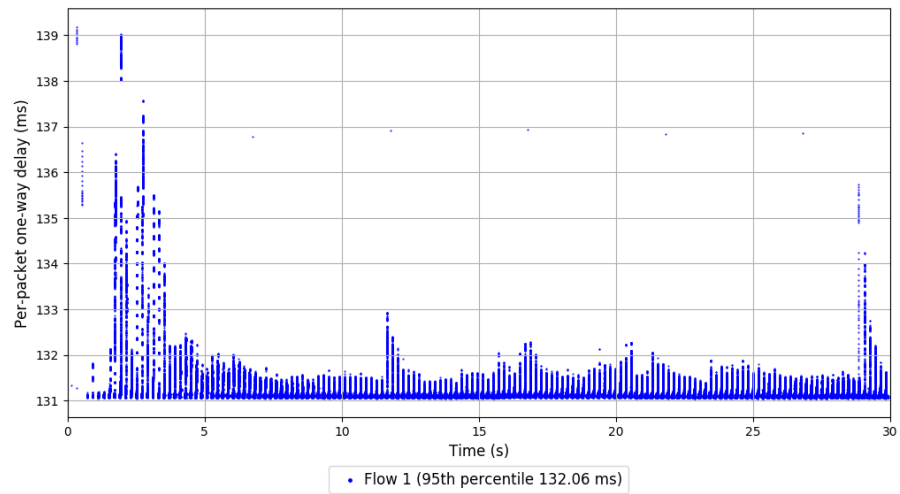
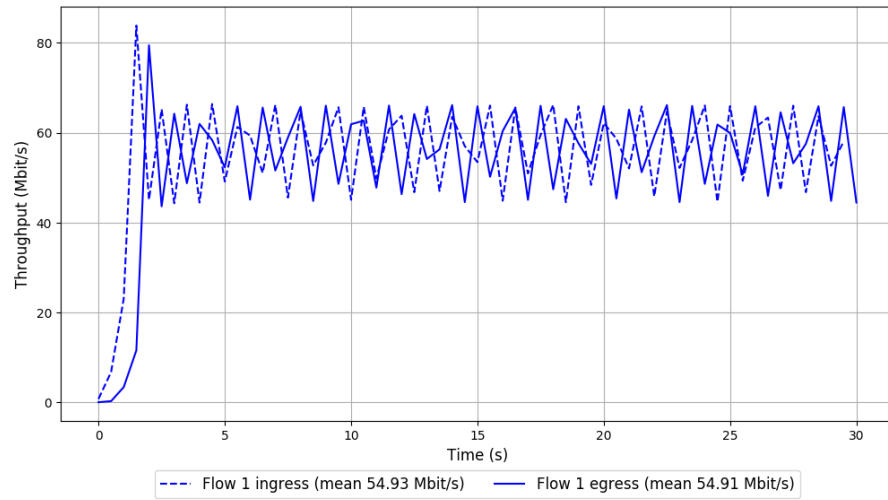


Run 6: Statistics of TCP Vegas

Start at: 2018-08-01 18:47:03
End at: 2018-08-01 18:47:33
Local clock offset: 1.589 ms
Remote clock offset: -34.965 ms

Below is generated by plot.py at 2018-08-01 21:11:22
Datalink statistics
-- Total of 1 flow:
Average throughput: 54.91 Mbit/s
95th percentile per-packet one-way delay: 132.060 ms
Loss rate: 0.67%
-- Flow 1:
Average throughput: 54.91 Mbit/s
95th percentile per-packet one-way delay: 132.060 ms
Loss rate: 0.67%

Run 6: Report of TCP Vegas — Data Link

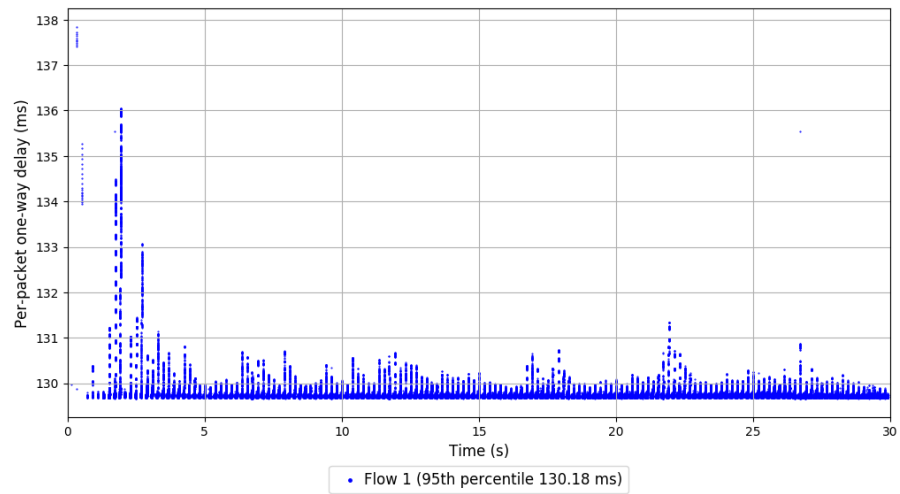
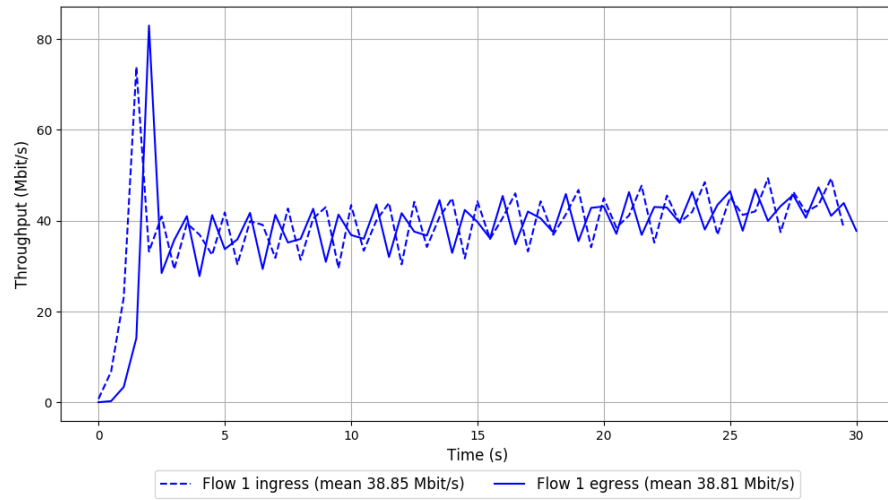


Run 7: Statistics of TCP Vegas

Start at: 2018-08-01 19:14:50
End at: 2018-08-01 19:15:20
Local clock offset: -0.836 ms
Remote clock offset: -37.641 ms

Below is generated by plot.py at 2018-08-01 21:11:22
Datalink statistics
-- Total of 1 flow:
Average throughput: 38.81 Mbit/s
95th percentile per-packet one-way delay: 130.177 ms
Loss rate: 0.73%
-- Flow 1:
Average throughput: 38.81 Mbit/s
95th percentile per-packet one-way delay: 130.177 ms
Loss rate: 0.73%

Run 7: Report of TCP Vegas — Data Link

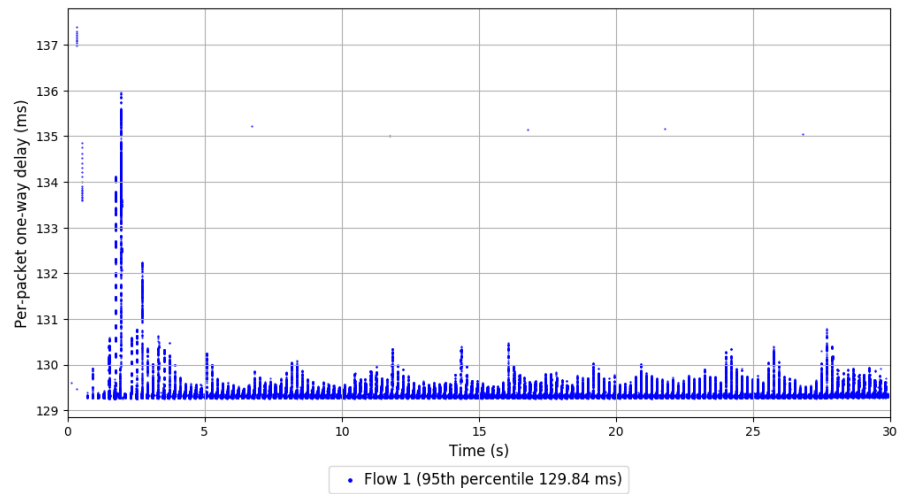
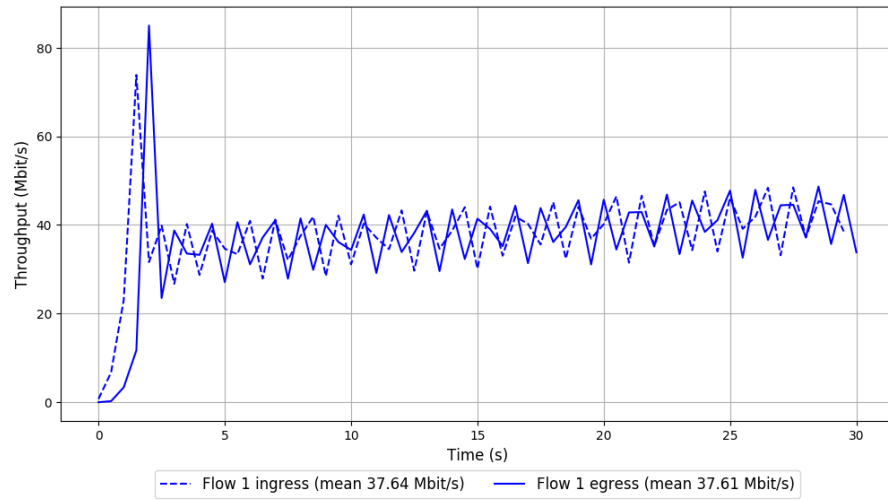


Run 8: Statistics of TCP Vegas

Start at: 2018-08-01 19:42:19
End at: 2018-08-01 19:42:49
Local clock offset: 0.347 ms
Remote clock offset: -33.781 ms

Below is generated by plot.py at 2018-08-01 21:11:22
Datalink statistics
-- Total of 1 flow:
Average throughput: 37.61 Mbit/s
95th percentile per-packet one-way delay: 129.836 ms
Loss rate: 0.74%
-- Flow 1:
Average throughput: 37.61 Mbit/s
95th percentile per-packet one-way delay: 129.836 ms
Loss rate: 0.74%

Run 8: Report of TCP Vegas — Data Link

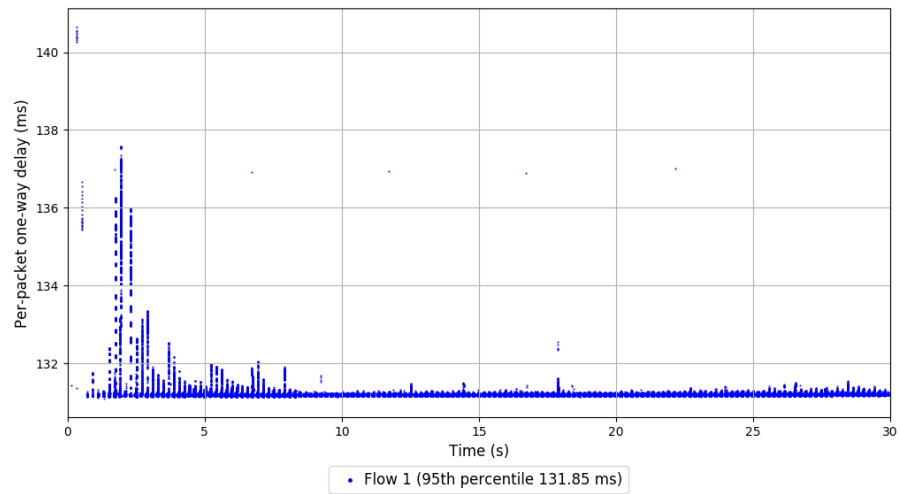
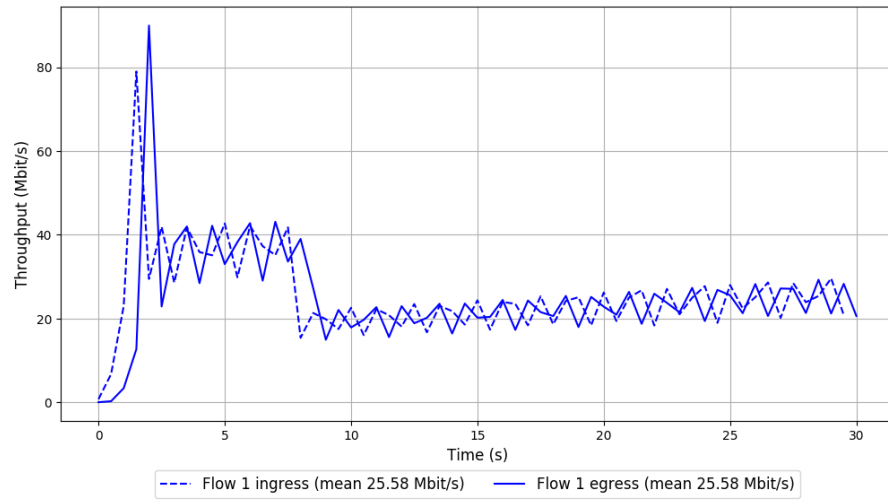


Run 9: Statistics of TCP Vegas

Start at: 2018-08-01 20:04:08
End at: 2018-08-01 20:04:38
Local clock offset: 2.385 ms
Remote clock offset: -33.875 ms

Below is generated by plot.py at 2018-08-01 21:11:22
Datalink statistics
-- Total of 1 flow:
Average throughput: 25.58 Mbit/s
95th percentile per-packet one-way delay: 131.847 ms
Loss rate: 0.65%
-- Flow 1:
Average throughput: 25.58 Mbit/s
95th percentile per-packet one-way delay: 131.847 ms
Loss rate: 0.65%

Run 9: Report of TCP Vegas — Data Link



Run 10: Statistics of TCP Vegas

Start at: 2018-08-01 20:26:06

End at: 2018-08-01 20:26:36

Local clock offset: -3.177 ms

Remote clock offset: -35.01 ms

Below is generated by plot.py at 2018-08-01 21:11:22

Datalink statistics

-- Total of 1 flow:

Average throughput: 38.66 Mbit/s

95th percentile per-packet one-way delay: 127.938 ms

Loss rate: 0.73%

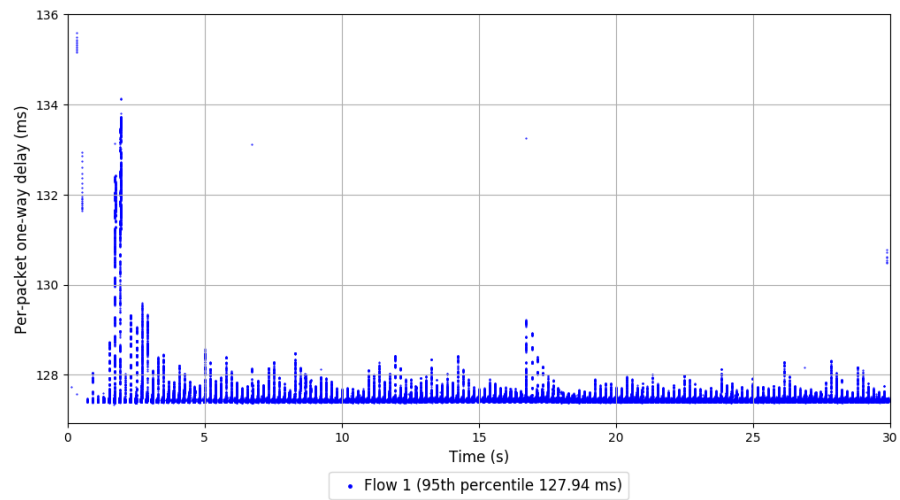
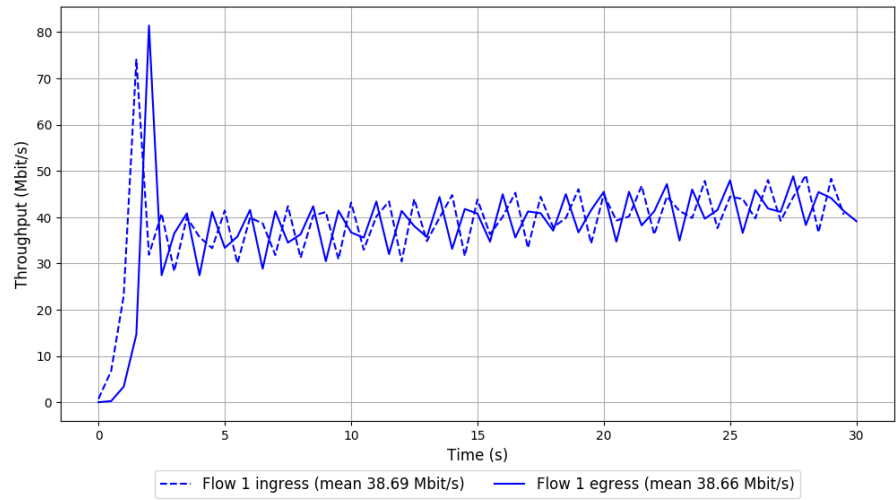
-- Flow 1:

Average throughput: 38.66 Mbit/s

95th percentile per-packet one-way delay: 127.938 ms

Loss rate: 0.73%

Run 10: Report of TCP Vegas — Data Link



Run 1: Statistics of Verus

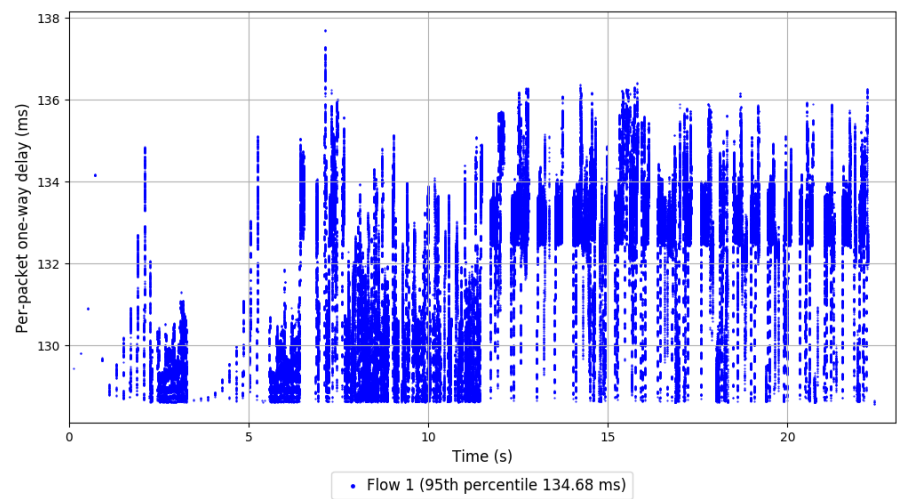
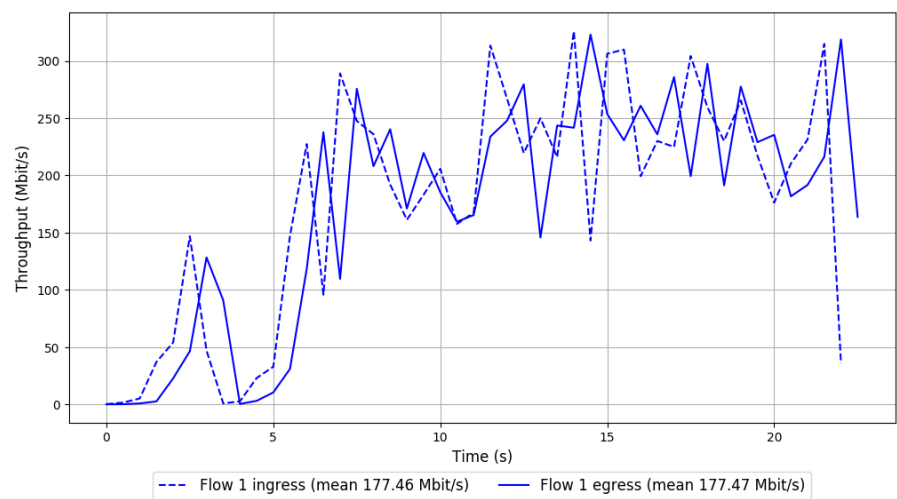
Start at: 2018-08-01 16:19:31

End at: 2018-08-01 16:20:01

Local clock offset: 0.339 ms

Remote clock offset: -37.611 ms

Run 1: Report of Verus — Data Link

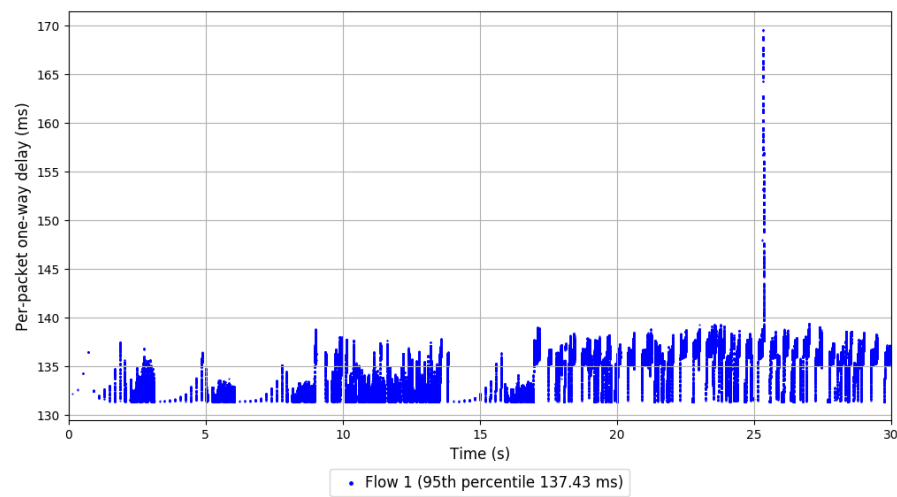
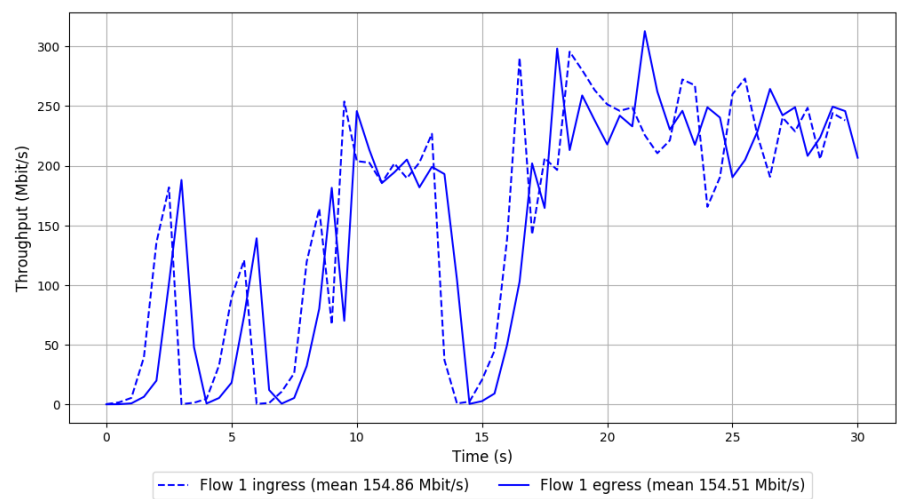


Run 2: Statistics of Verus

Start at: 2018-08-01 16:41:37
End at: 2018-08-01 16:42:07
Local clock offset: -0.38 ms
Remote clock offset: -40.912 ms

Below is generated by plot.py at 2018-08-01 21:11:22
Datalink statistics
-- Total of 1 flow:
Average throughput: 154.51 Mbit/s
95th percentile per-packet one-way delay: 137.434 ms
Loss rate: 0.34%
-- Flow 1:
Average throughput: 154.51 Mbit/s
95th percentile per-packet one-way delay: 137.434 ms
Loss rate: 0.34%

Run 2: Report of Verus — Data Link

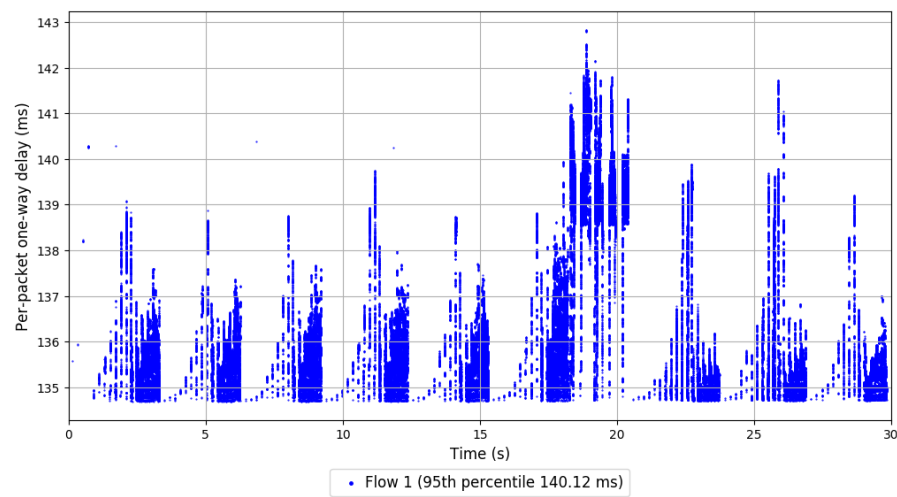
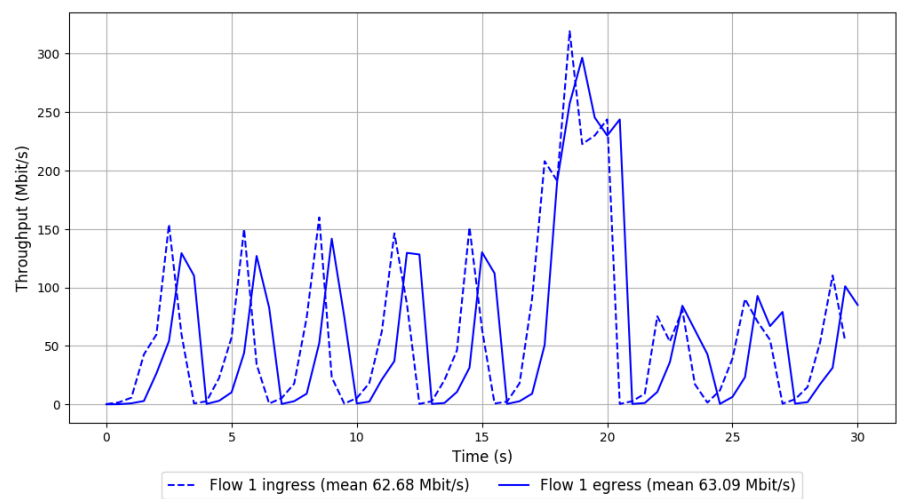


Run 3: Statistics of Verus

Start at: 2018-08-01 17:09:05
End at: 2018-08-01 17:09:35
Local clock offset: 2.616 ms
Remote clock offset: -40.308 ms

Below is generated by plot.py at 2018-08-01 21:11:22
Datalink statistics
-- Total of 1 flow:
Average throughput: 63.09 Mbit/s
95th percentile per-packet one-way delay: 140.119 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 63.09 Mbit/s
95th percentile per-packet one-way delay: 140.119 ms
Loss rate: 0.00%

Run 3: Report of Verus — Data Link

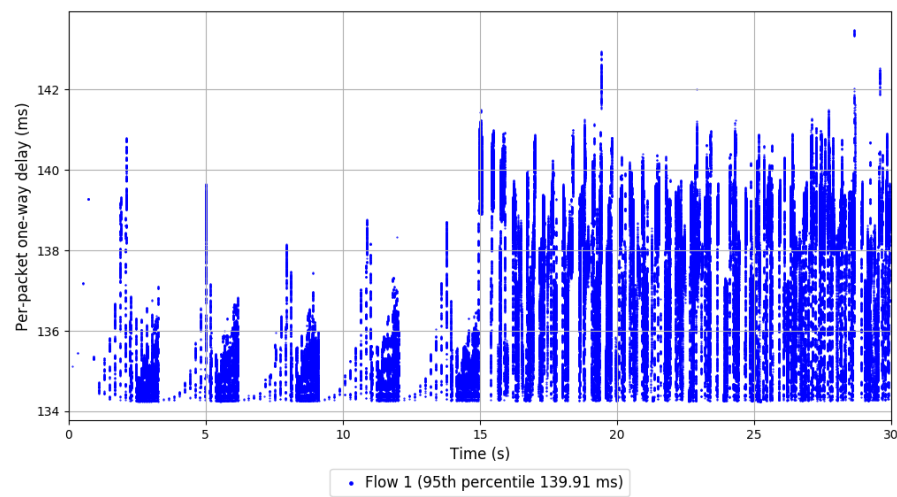
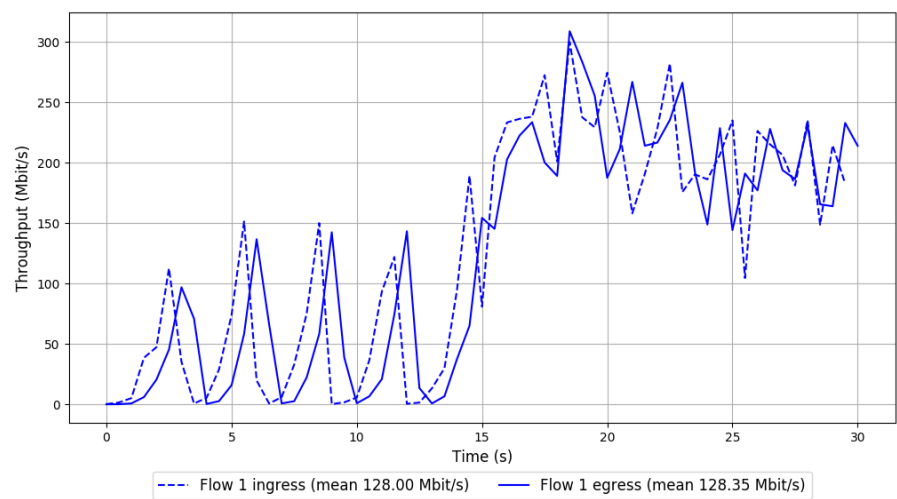


Run 4: Statistics of Verus

Start at: 2018-08-01 17:36:24
End at: 2018-08-01 17:36:54
Local clock offset: 2.144 ms
Remote clock offset: -39.338 ms

Below is generated by plot.py at 2018-08-01 21:11:22
Datalink statistics
-- Total of 1 flow:
Average throughput: 128.35 Mbit/s
95th percentile per-packet one-way delay: 139.906 ms
Loss rate: 0.37%
-- Flow 1:
Average throughput: 128.35 Mbit/s
95th percentile per-packet one-way delay: 139.906 ms
Loss rate: 0.37%

Run 4: Report of Verus — Data Link



Run 5: Statistics of Verus

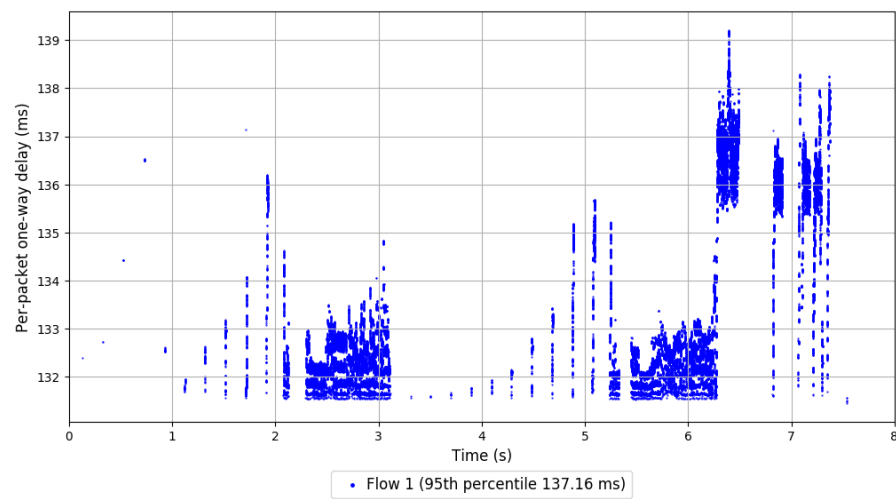
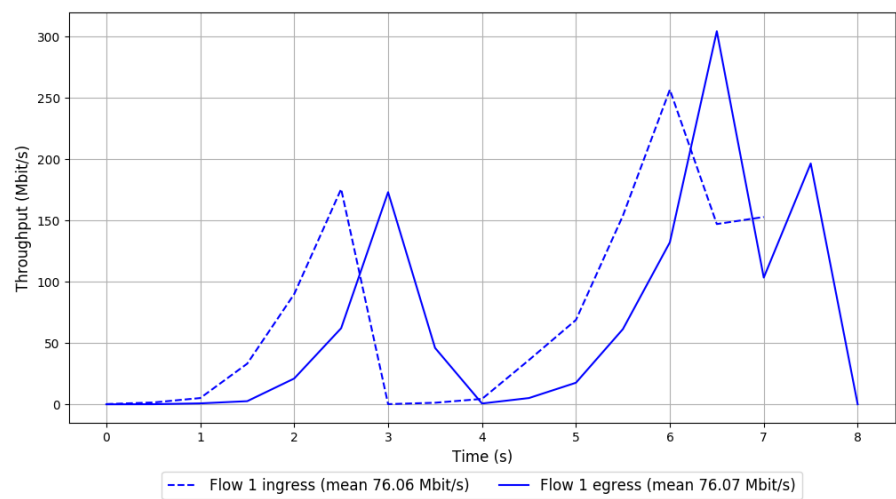
Start at: 2018-08-01 18:03:48

End at: 2018-08-01 18:04:18

Local clock offset: 2.693 ms

Remote clock offset: -33.988 ms

Run 5: Report of Verus — Data Link

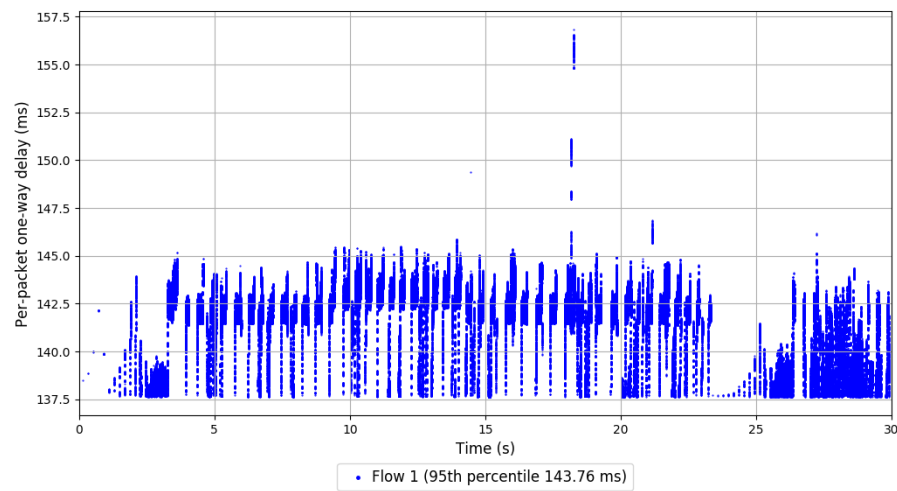
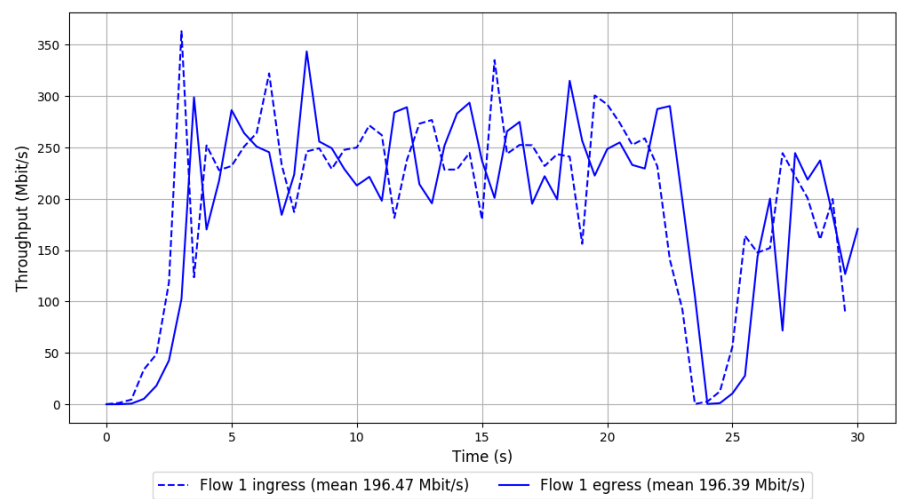


Run 6: Statistics of Verus

Start at: 2018-08-01 18:25:45
End at: 2018-08-01 18:26:15
Local clock offset: 1.145 ms
Remote clock offset: -43.18 ms

Below is generated by plot.py at 2018-08-01 21:11:36
Datalink statistics
-- Total of 1 flow:
Average throughput: 196.39 Mbit/s
95th percentile per-packet one-way delay: 143.759 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 196.39 Mbit/s
95th percentile per-packet one-way delay: 143.759 ms
Loss rate: 0.13%

Run 6: Report of Verus — Data Link

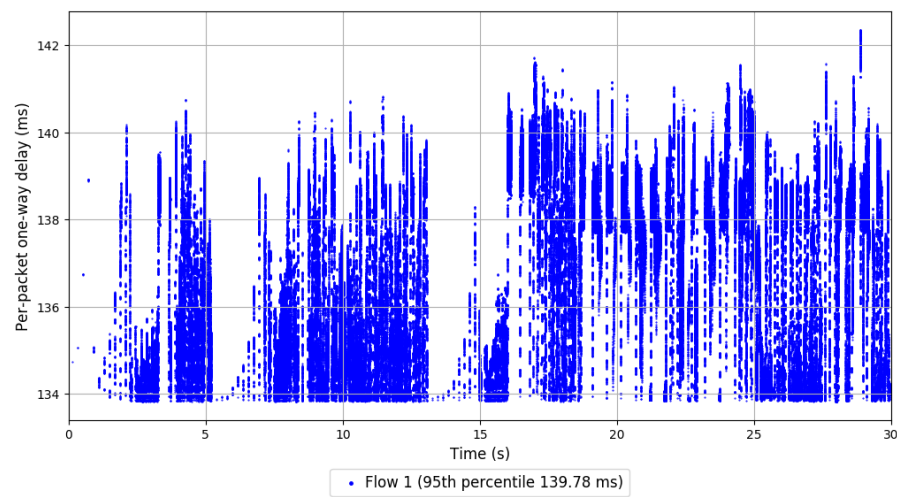
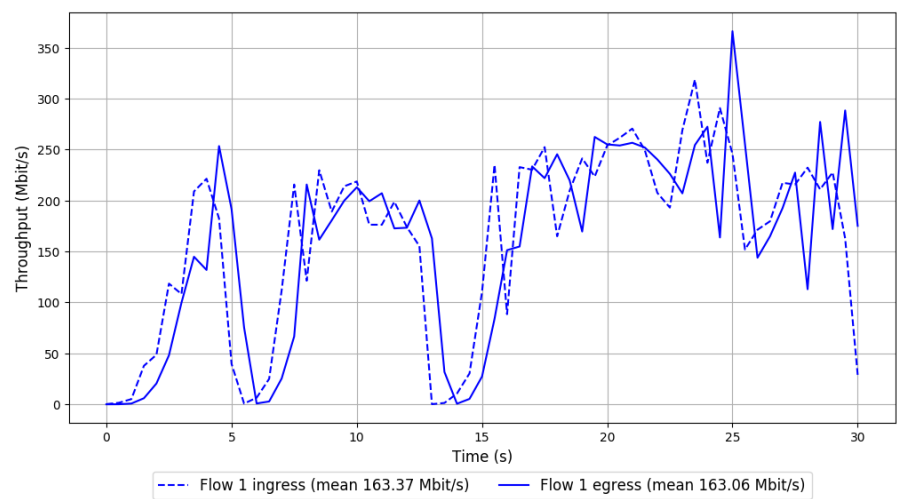


Run 7: Statistics of Verus

Start at: 2018-08-01 18:53:33
End at: 2018-08-01 18:54:03
Local clock offset: 2.763 ms
Remote clock offset: -38.196 ms

Below is generated by plot.py at 2018-08-01 21:11:36
Datalink statistics
-- Total of 1 flow:
Average throughput: 163.06 Mbit/s
95th percentile per-packet one-way delay: 139.776 ms
Loss rate: 0.95%
-- Flow 1:
Average throughput: 163.06 Mbit/s
95th percentile per-packet one-way delay: 139.776 ms
Loss rate: 0.95%

Run 7: Report of Verus — Data Link

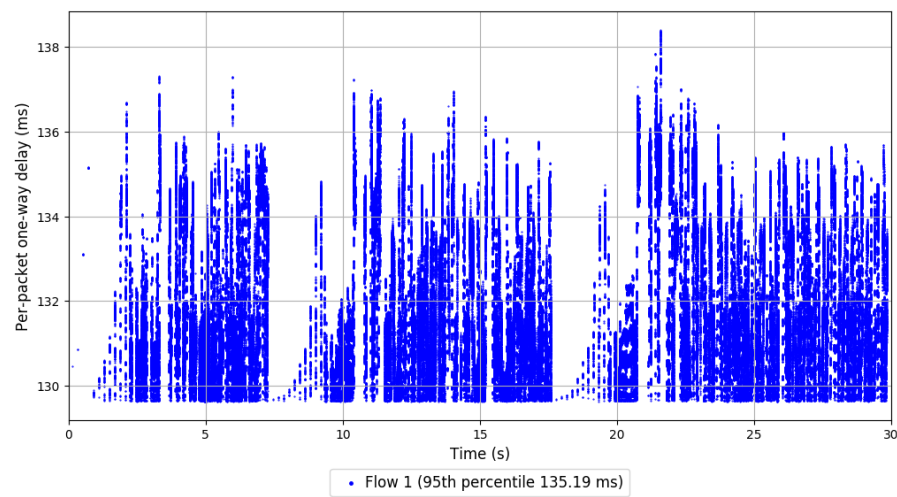
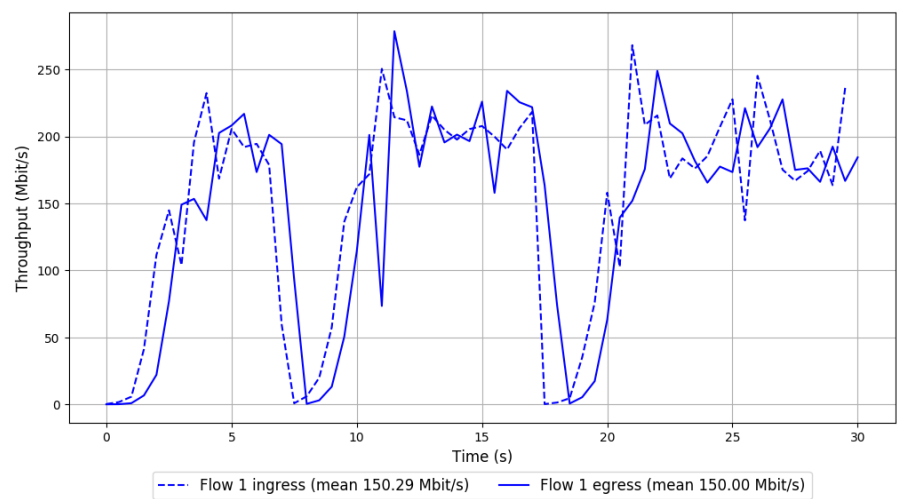


Run 8: Statistics of Verus

Start at: 2018-08-01 19:21:13
End at: 2018-08-01 19:21:43
Local clock offset: 3.406 ms
Remote clock offset: -31.863 ms

Below is generated by plot.py at 2018-08-01 21:11:36
Datalink statistics
-- Total of 1 flow:
Average throughput: 150.00 Mbit/s
95th percentile per-packet one-way delay: 135.186 ms
Loss rate: 1.09%
-- Flow 1:
Average throughput: 150.00 Mbit/s
95th percentile per-packet one-way delay: 135.186 ms
Loss rate: 1.09%

Run 8: Report of Verus — Data Link

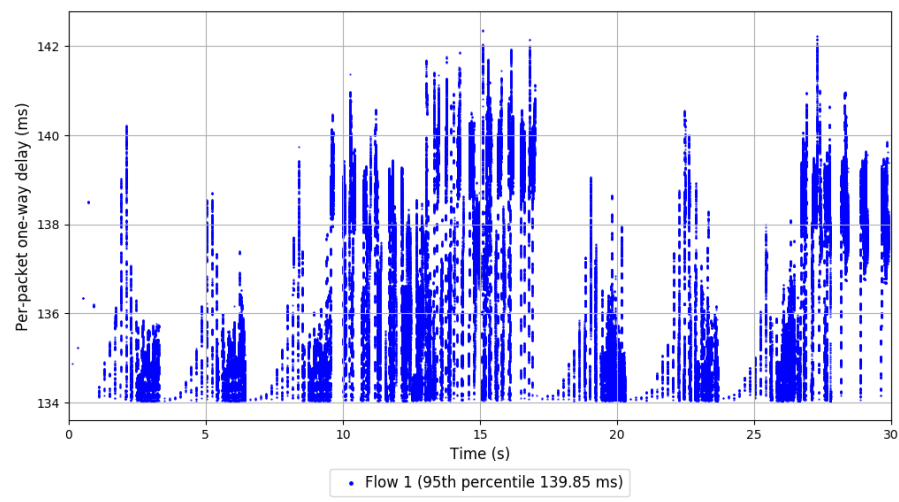
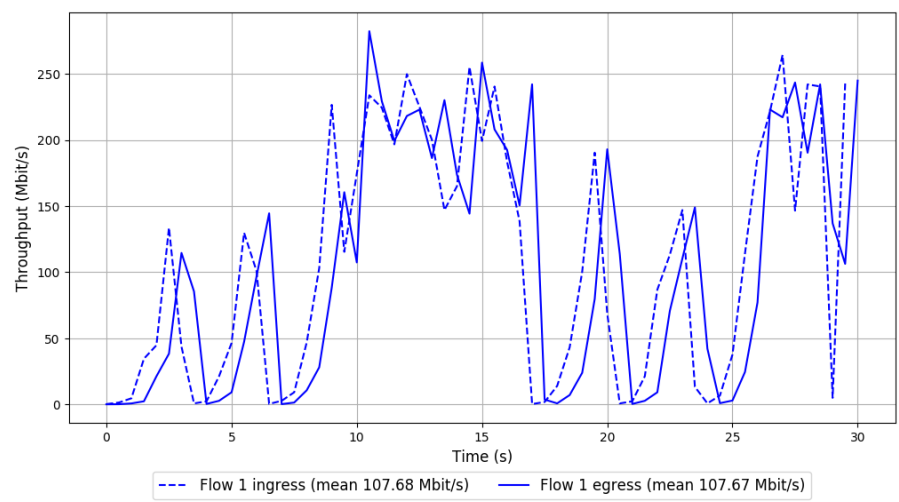


Run 9: Statistics of Verus

Start at: 2018-08-01 19:48:42
End at: 2018-08-01 19:49:12
Local clock offset: 0.291 ms
Remote clock offset: -38.603 ms

Below is generated by plot.py at 2018-08-01 21:11:44
Datalink statistics
-- Total of 1 flow:
Average throughput: 107.67 Mbit/s
95th percentile per-packet one-way delay: 139.855 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 107.67 Mbit/s
95th percentile per-packet one-way delay: 139.855 ms
Loss rate: 0.00%

Run 9: Report of Verus — Data Link

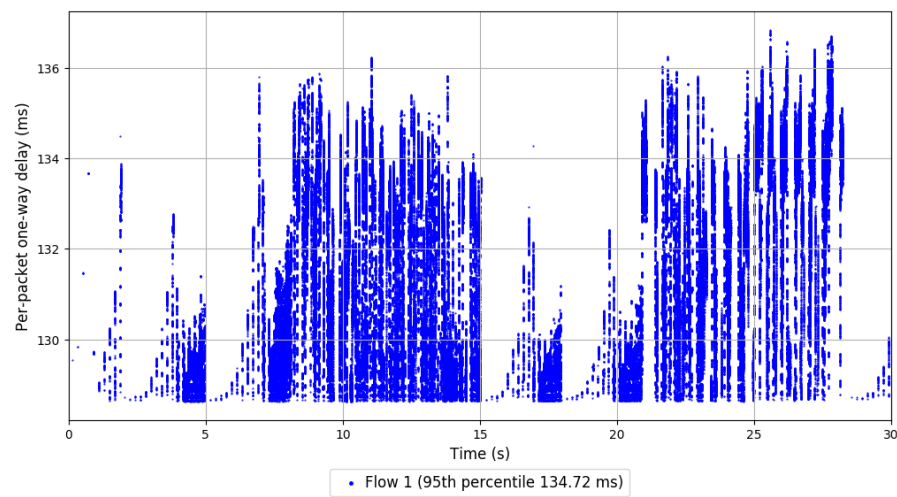
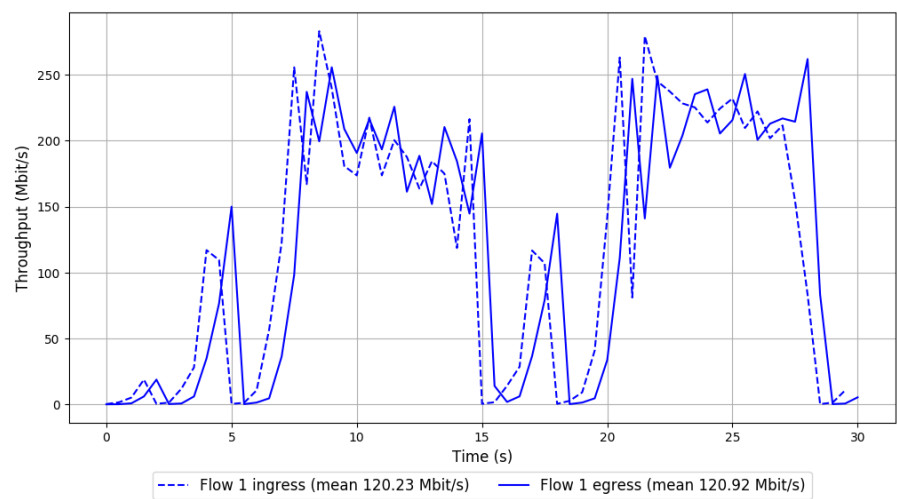


Run 10: Statistics of Verus

Start at: 2018-08-01 20:10:21
End at: 2018-08-01 20:10:51
Local clock offset: -3.123 ms
Remote clock offset: -35.156 ms

Below is generated by plot.py at 2018-08-01 21:11:53
Datalink statistics
-- Total of 1 flow:
Average throughput: 120.92 Mbit/s
95th percentile per-packet one-way delay: 134.720 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 120.92 Mbit/s
95th percentile per-packet one-way delay: 134.720 ms
Loss rate: 0.08%

Run 10: Report of Verus — Data Link

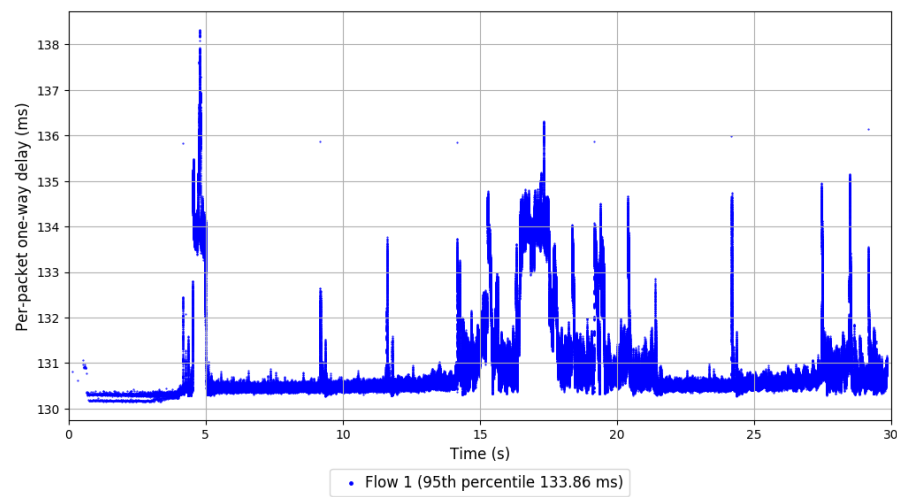
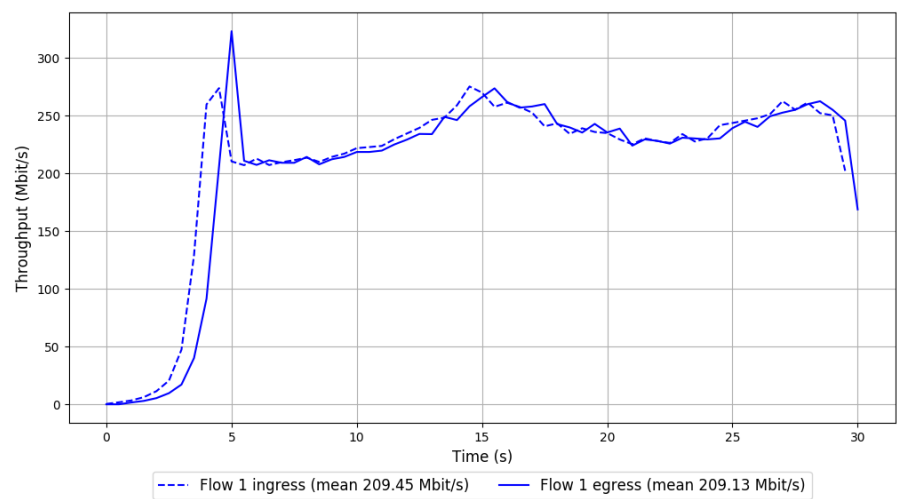


Run 1: Statistics of PCC-Vivace

Start at: 2018-08-01 16:32:41
End at: 2018-08-01 16:33:11
Local clock offset: 3.24 ms
Remote clock offset: -36.477 ms

Below is generated by plot.py at 2018-08-01 21:13:10
Datalink statistics
-- Total of 1 flow:
Average throughput: 209.13 Mbit/s
95th percentile per-packet one-way delay: 133.862 ms
Loss rate: 0.80%
-- Flow 1:
Average throughput: 209.13 Mbit/s
95th percentile per-packet one-way delay: 133.862 ms
Loss rate: 0.80%

Run 1: Report of PCC-Vivace — Data Link

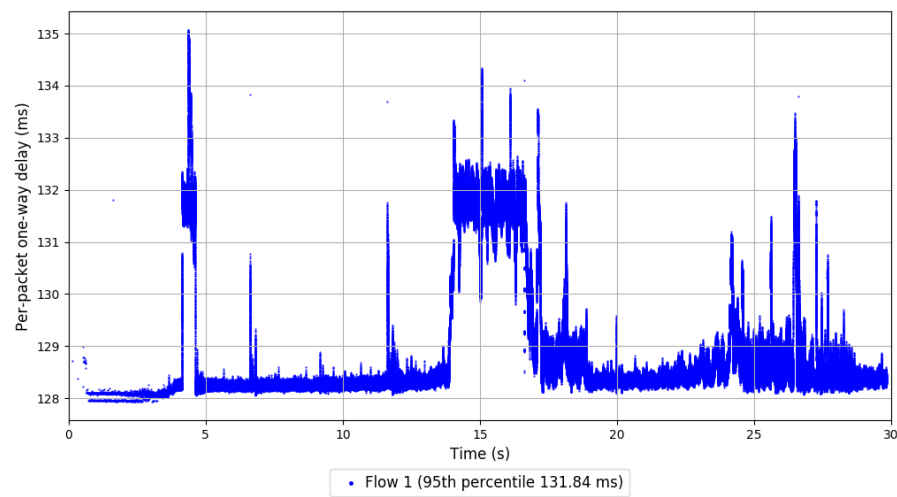
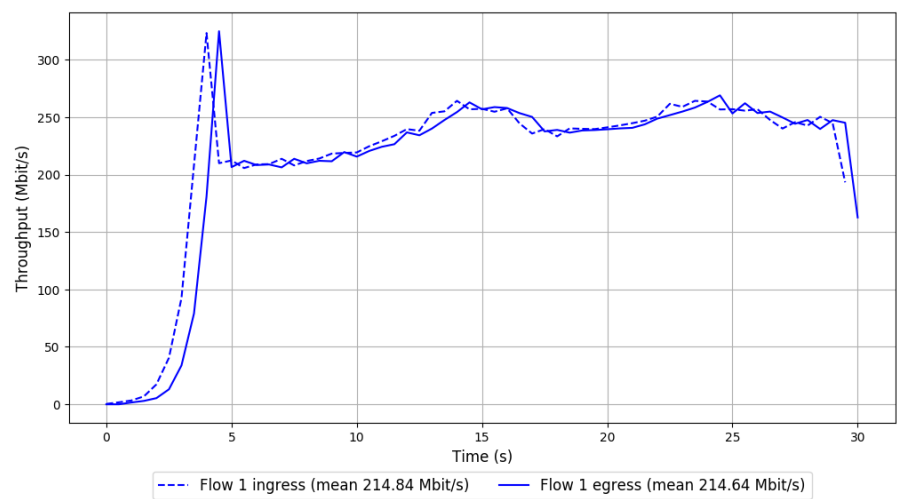


Run 2: Statistics of PCC-Vivace

Start at: 2018-08-01 17:00:08
End at: 2018-08-01 17:00:38
Local clock offset: 1.811 ms
Remote clock offset: -34.853 ms

Below is generated by plot.py at 2018-08-01 21:13:28
Datalink statistics
-- Total of 1 flow:
Average throughput: 214.64 Mbit/s
95th percentile per-packet one-way delay: 131.844 ms
Loss rate: 0.75%
-- Flow 1:
Average throughput: 214.64 Mbit/s
95th percentile per-packet one-way delay: 131.844 ms
Loss rate: 0.75%

Run 2: Report of PCC-Vivace — Data Link

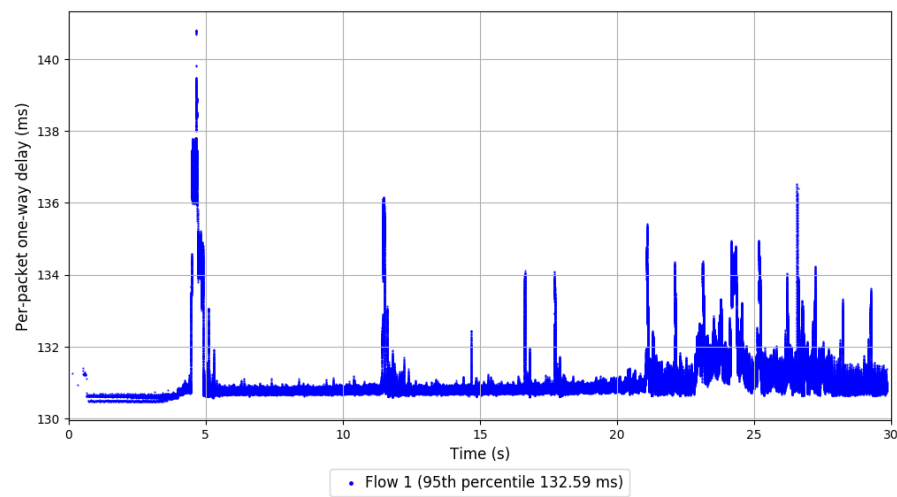
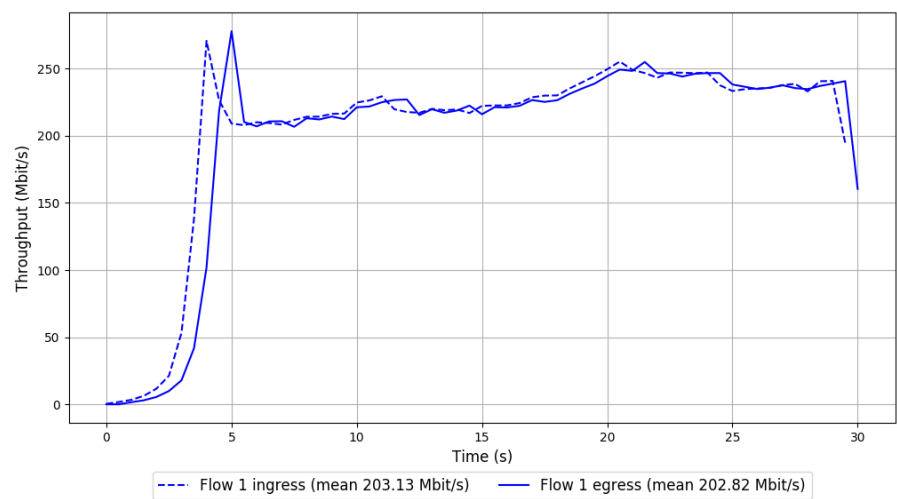


Run 3: Statistics of PCC-Vivace

Start at: 2018-08-01 17:27:28
End at: 2018-08-01 17:27:58
Local clock offset: 2.283 ms
Remote clock offset: -35.963 ms

Below is generated by plot.py at 2018-08-01 21:13:43
Datalink statistics
-- Total of 1 flow:
Average throughput: 202.82 Mbit/s
95th percentile per-packet one-way delay: 132.593 ms
Loss rate: 0.80%
-- Flow 1:
Average throughput: 202.82 Mbit/s
95th percentile per-packet one-way delay: 132.593 ms
Loss rate: 0.80%

Run 3: Report of PCC-Vivace — Data Link

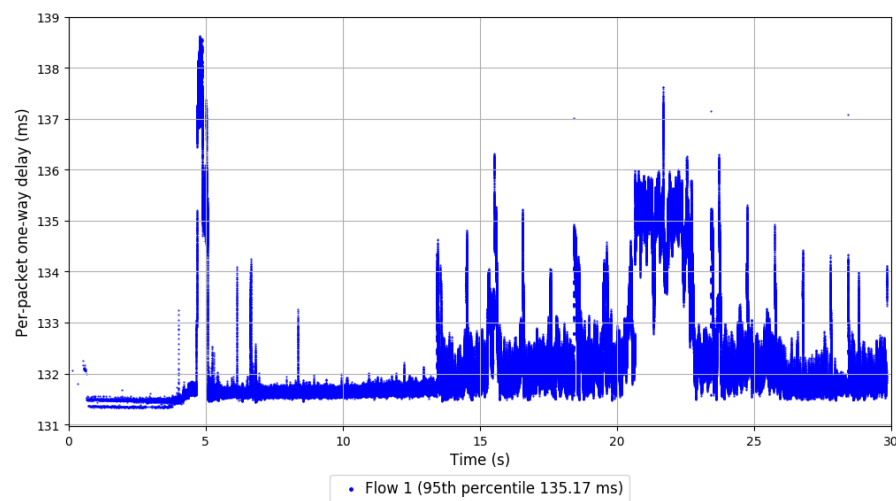
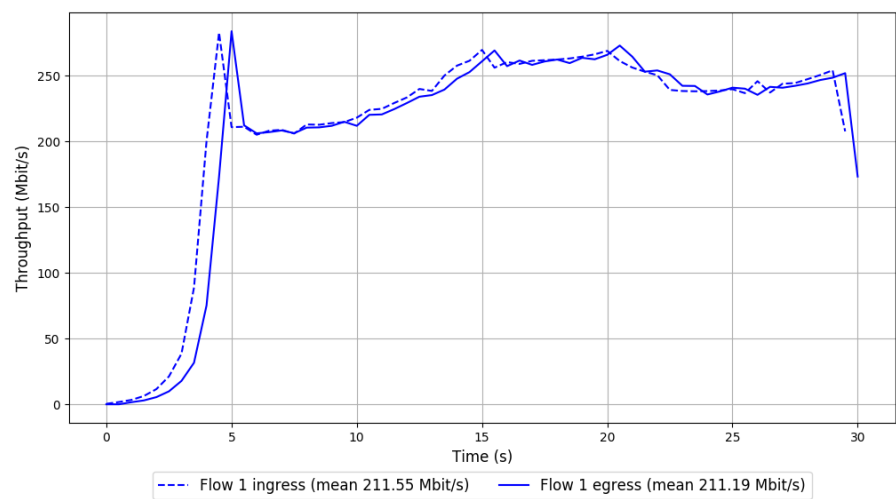


Run 4: Statistics of PCC-Vivace

Start at: 2018-08-01 17:49:17
End at: 2018-08-01 17:49:47
Local clock offset: -0.286 ms
Remote clock offset: -38.618 ms

Below is generated by plot.py at 2018-08-01 21:13:57
Datalink statistics
-- Total of 1 flow:
Average throughput: 211.19 Mbit/s
95th percentile per-packet one-way delay: 135.168 ms
Loss rate: 0.82%
-- Flow 1:
Average throughput: 211.19 Mbit/s
95th percentile per-packet one-way delay: 135.168 ms
Loss rate: 0.82%

Run 4: Report of PCC-Vivace — Data Link

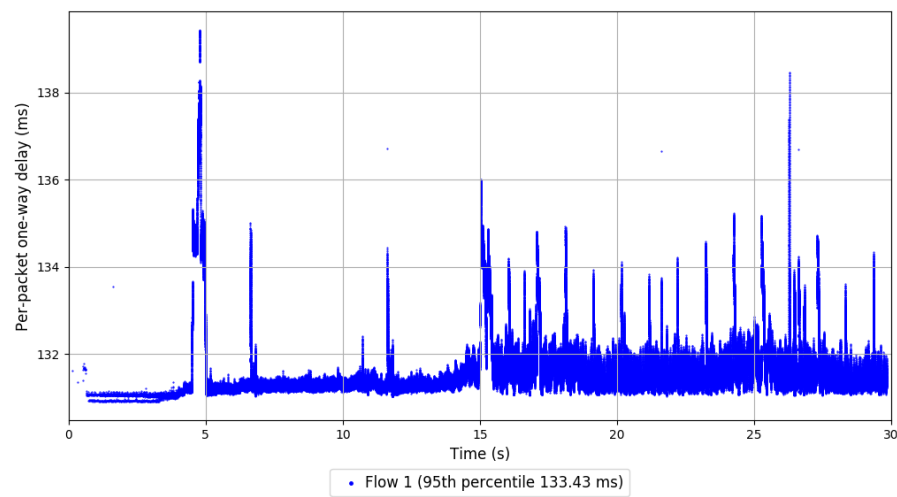
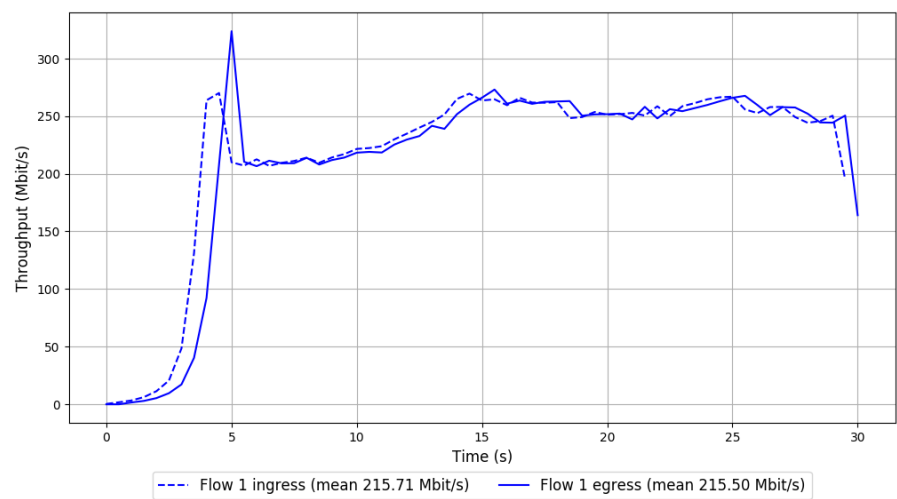


Run 5: Statistics of PCC-Vivace

Start at: 2018-08-01 18:16:49
End at: 2018-08-01 18:17:19
Local clock offset: 1.078 ms
Remote clock offset: -34.887 ms

Below is generated by plot.py at 2018-08-01 21:14:09
Datalink statistics
-- Total of 1 flow:
Average throughput: 215.50 Mbit/s
95th percentile per-packet one-way delay: 133.433 ms
Loss rate: 0.75%
-- Flow 1:
Average throughput: 215.50 Mbit/s
95th percentile per-packet one-way delay: 133.433 ms
Loss rate: 0.75%

Run 5: Report of PCC-Vivace — Data Link

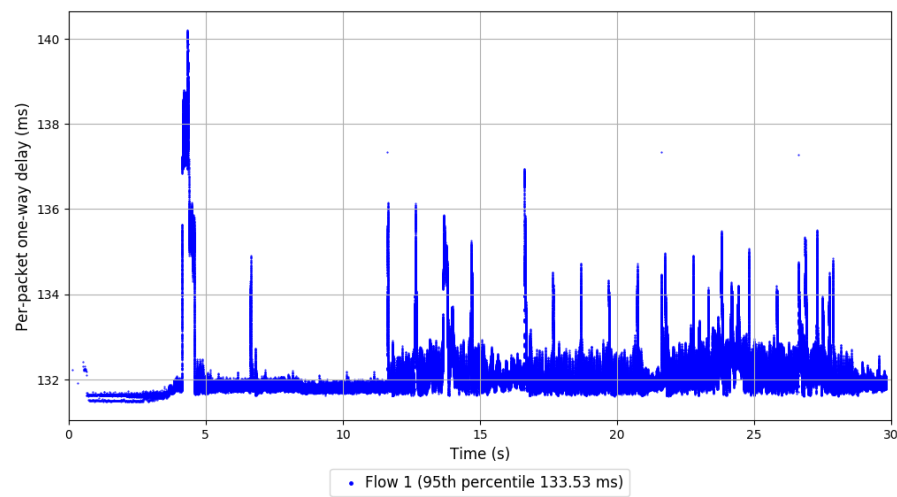
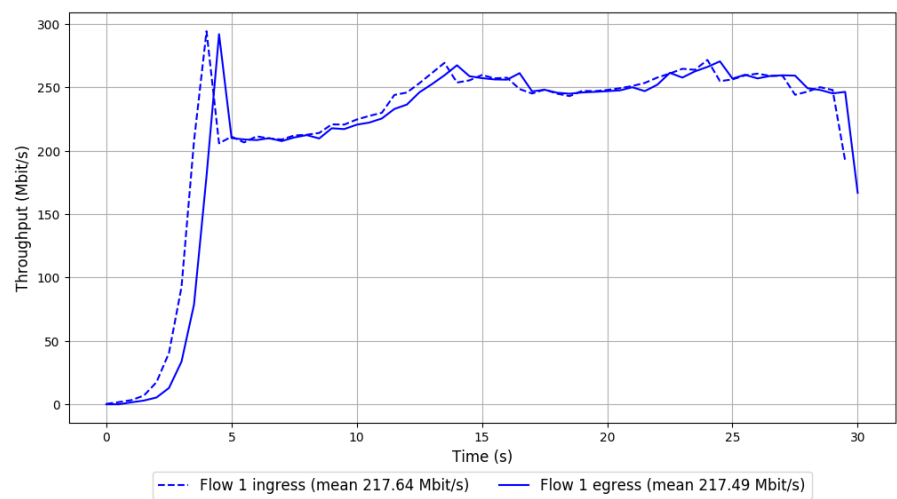


Run 6: Statistics of PCC-Vivace

Start at: 2018-08-01 18:38:57
End at: 2018-08-01 18:39:27
Local clock offset: 0.187 ms
Remote clock offset: -38.387 ms

Below is generated by plot.py at 2018-08-01 21:14:11
Datalink statistics
-- Total of 1 flow:
Average throughput: 217.49 Mbit/s
95th percentile per-packet one-way delay: 133.535 ms
Loss rate: 0.72%
-- Flow 1:
Average throughput: 217.49 Mbit/s
95th percentile per-packet one-way delay: 133.535 ms
Loss rate: 0.72%

Run 6: Report of PCC-Vivace — Data Link

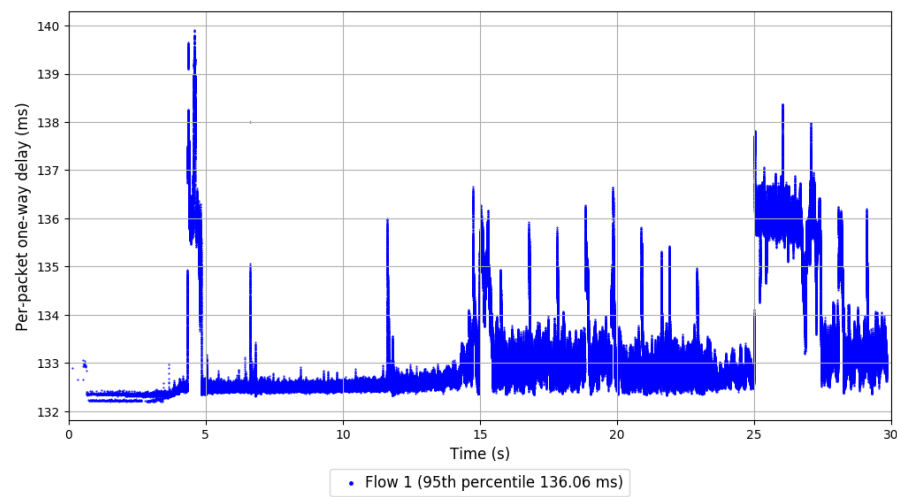
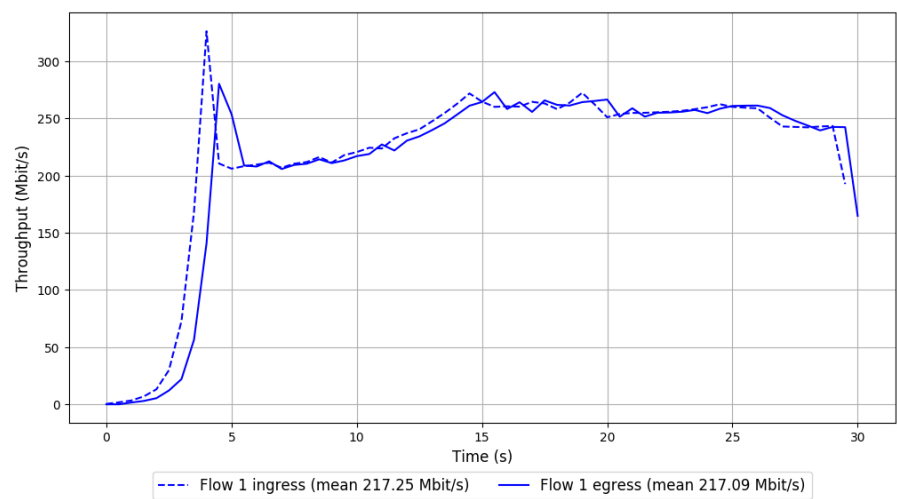


Run 7: Statistics of PCC-Vivace

Start at: 2018-08-01 19:12:16
End at: 2018-08-01 19:12:46
Local clock offset: 1.304 ms
Remote clock offset: -38.091 ms

Below is generated by plot.py at 2018-08-01 21:14:15
Datalink statistics
-- Total of 1 flow:
Average throughput: 217.09 Mbit/s
95th percentile per-packet one-way delay: 136.061 ms
Loss rate: 0.72%
-- Flow 1:
Average throughput: 217.09 Mbit/s
95th percentile per-packet one-way delay: 136.061 ms
Loss rate: 0.72%

Run 7: Report of PCC-Vivace — Data Link

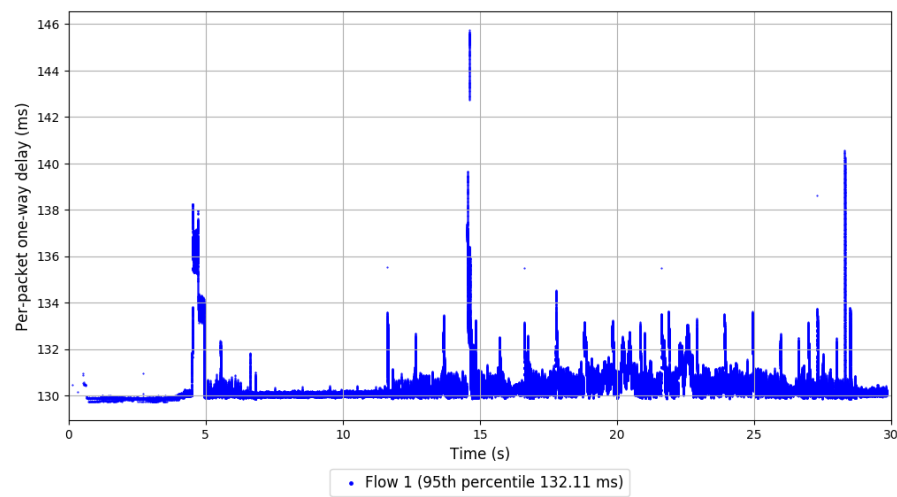
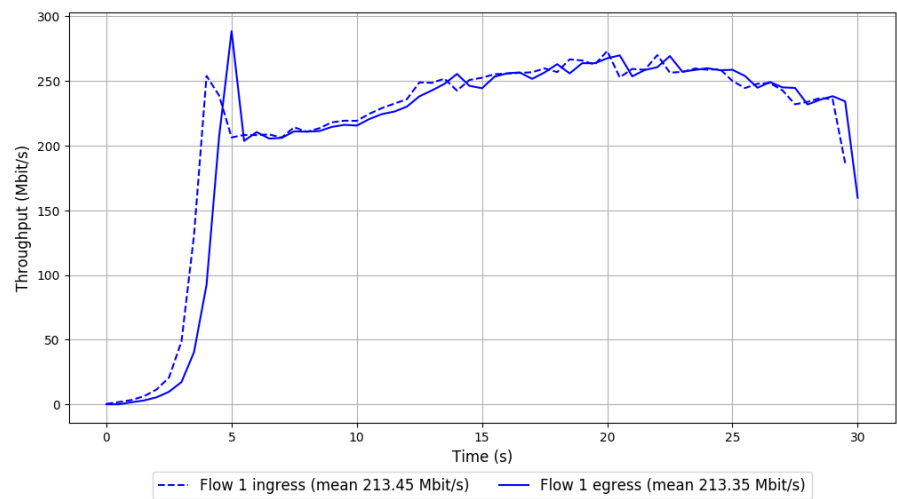


Run 8: Statistics of PCC-Vivace

Start at: 2018-08-01 19:39:45
End at: 2018-08-01 19:40:15
Local clock offset: 0.335 ms
Remote clock offset: -34.435 ms

Below is generated by plot.py at 2018-08-01 21:14:17
Datalink statistics
-- Total of 1 flow:
Average throughput: 213.35 Mbit/s
95th percentile per-packet one-way delay: 132.110 ms
Loss rate: 0.70%
-- Flow 1:
Average throughput: 213.35 Mbit/s
95th percentile per-packet one-way delay: 132.110 ms
Loss rate: 0.70%

Run 8: Report of PCC-Vivace — Data Link

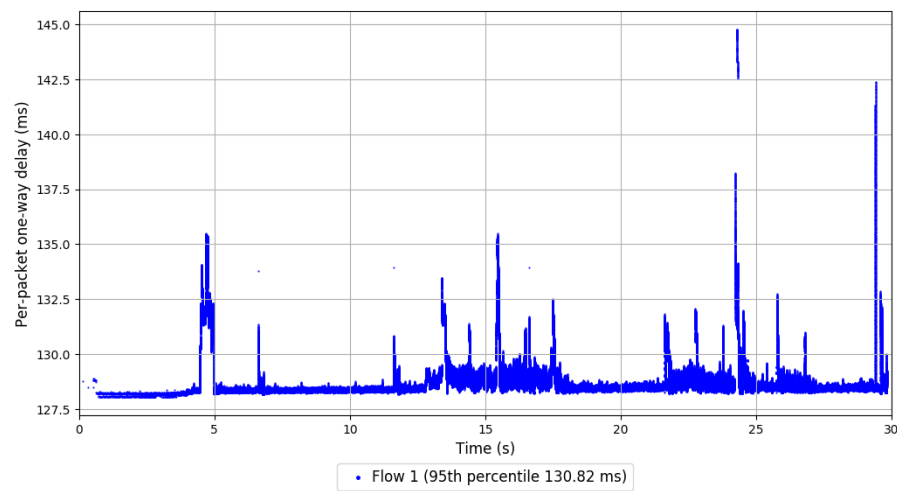
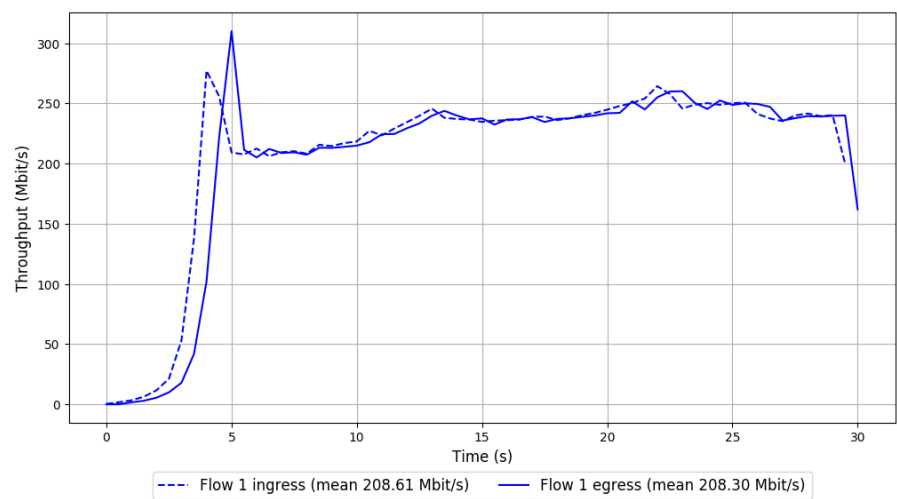


Run 9: Statistics of PCC-Vivace

Start at: 2018-08-01 20:01:35
End at: 2018-08-01 20:02:05
Local clock offset: -0.956 ms
Remote clock offset: -34.359 ms

Below is generated by plot.py at 2018-08-01 21:14:35
Datalink statistics
-- Total of 1 flow:
Average throughput: 208.30 Mbit/s
95th percentile per-packet one-way delay: 130.823 ms
Loss rate: 0.80%
-- Flow 1:
Average throughput: 208.30 Mbit/s
95th percentile per-packet one-way delay: 130.823 ms
Loss rate: 0.80%

Run 9: Report of PCC-Vivace — Data Link



Run 10: Statistics of PCC-Vivace

Start at: 2018-08-01 20:23:31

End at: 2018-08-01 20:24:01

Local clock offset: -0.311 ms

Remote clock offset: -36.854 ms

Below is generated by plot.py at 2018-08-01 21:14:36

Datalink statistics

-- Total of 1 flow:

Average throughput: 210.76 Mbit/s

95th percentile per-packet one-way delay: 136.618 ms

Loss rate: 0.71%

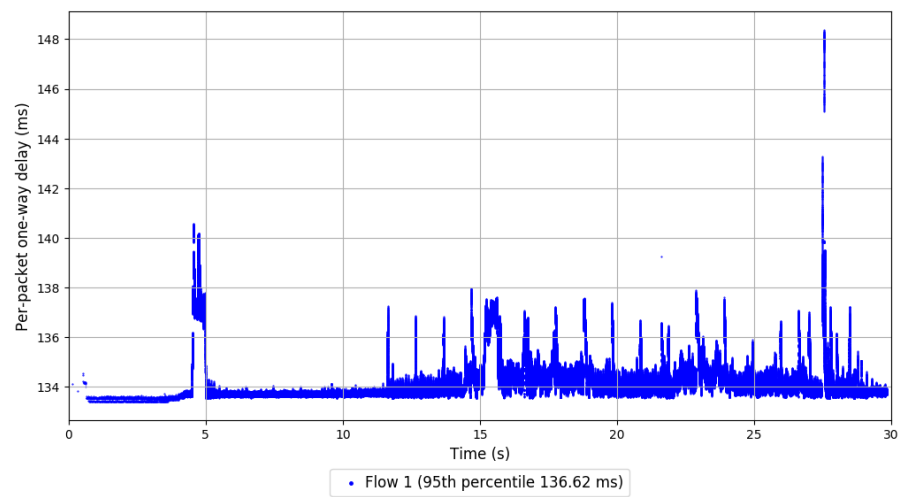
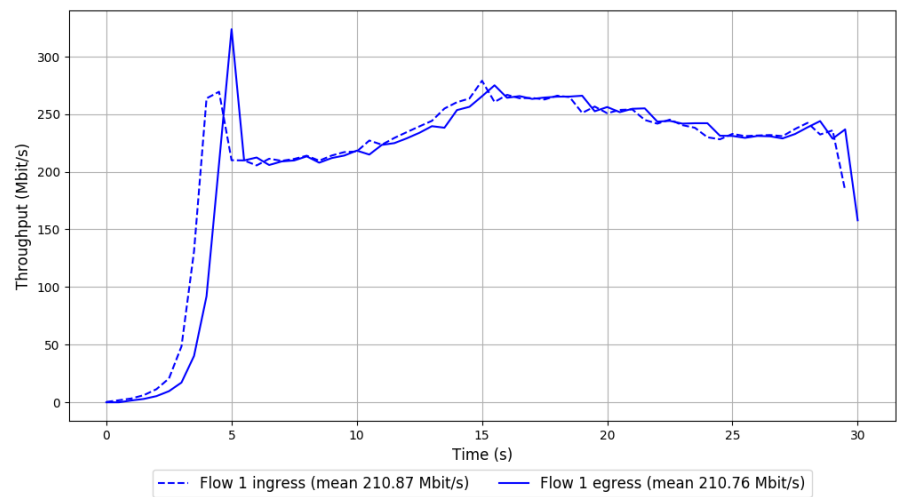
-- Flow 1:

Average throughput: 210.76 Mbit/s

95th percentile per-packet one-way delay: 136.618 ms

Loss rate: 0.71%

Run 10: Report of PCC-Vivace — Data Link

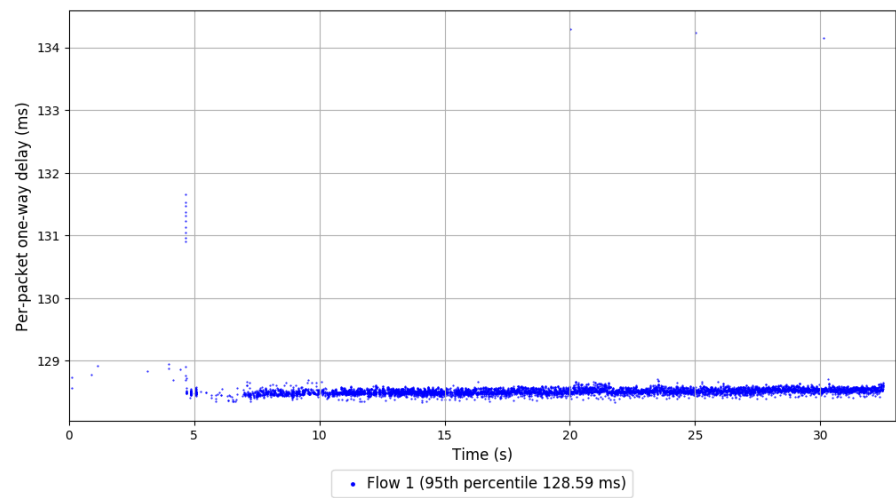
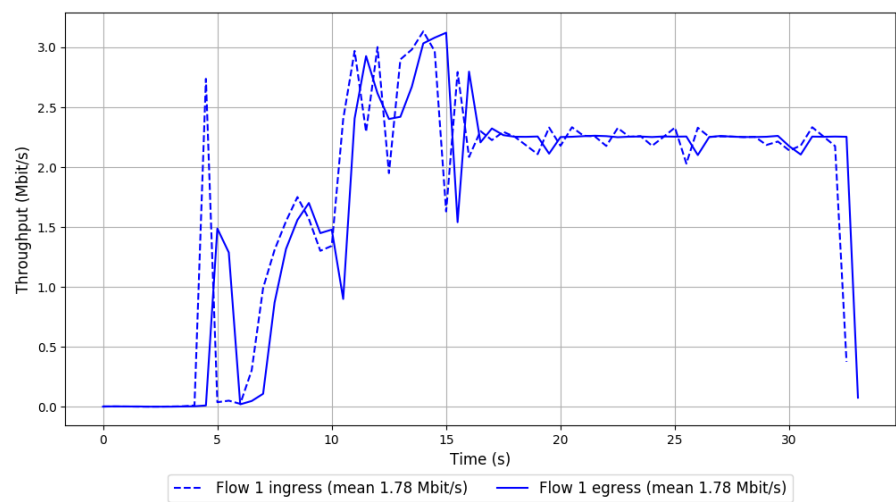


Run 1: Statistics of WebRTC media

Start at: 2018-08-01 16:20:50
End at: 2018-08-01 16:21:20
Local clock offset: -0.59 ms
Remote clock offset: -36.824 ms

Below is generated by plot.py at 2018-08-01 21:14:36
Datalink statistics
-- Total of 1 flow:
Average throughput: 1.78 Mbit/s
95th percentile per-packet one-way delay: 128.585 ms
Loss rate: 0.71%
-- Flow 1:
Average throughput: 1.78 Mbit/s
95th percentile per-packet one-way delay: 128.585 ms
Loss rate: 0.71%

Run 1: Report of WebRTC media — Data Link

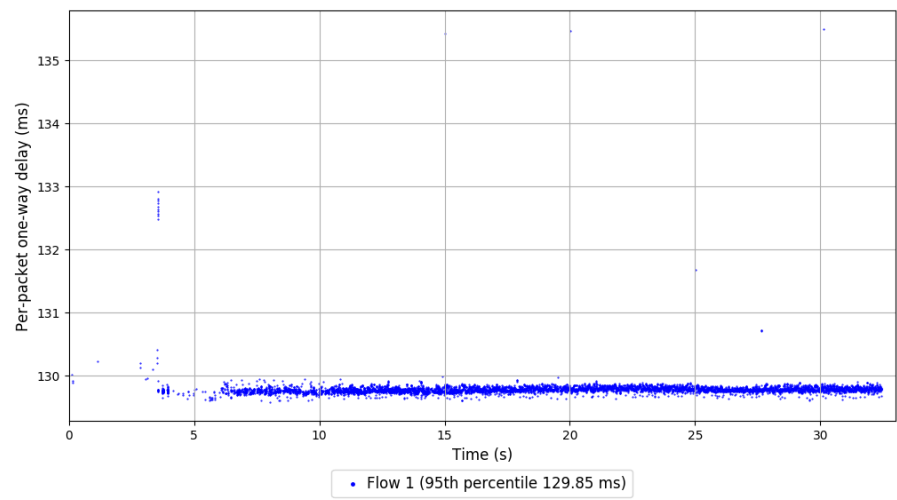
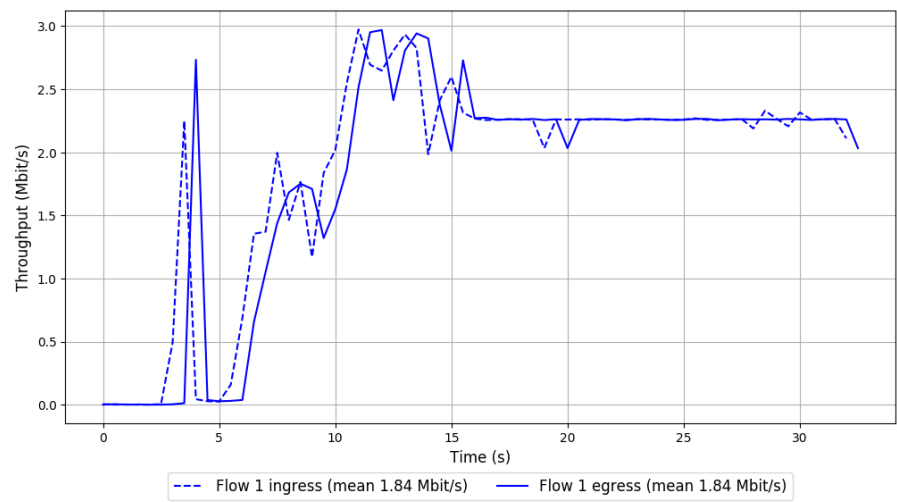


Run 2: Statistics of WebRTC media

Start at: 2018-08-01 16:42:57
End at: 2018-08-01 16:43:27
Local clock offset: -0.805 ms
Remote clock offset: -38.197 ms

Below is generated by plot.py at 2018-08-01 21:14:36
Datalink statistics
-- Total of 1 flow:
Average throughput: 1.84 Mbit/s
95th percentile per-packet one-way delay: 129.851 ms
Loss rate: 0.57%
-- Flow 1:
Average throughput: 1.84 Mbit/s
95th percentile per-packet one-way delay: 129.851 ms
Loss rate: 0.57%

Run 2: Report of WebRTC media — Data Link

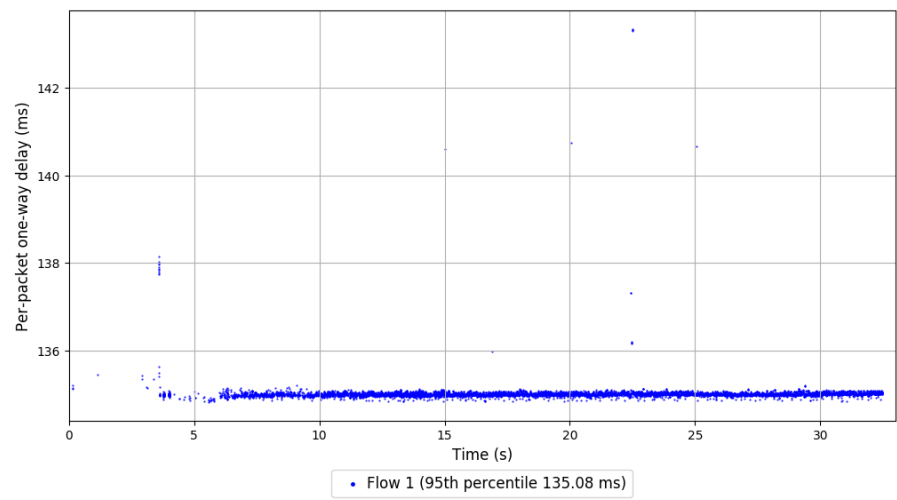
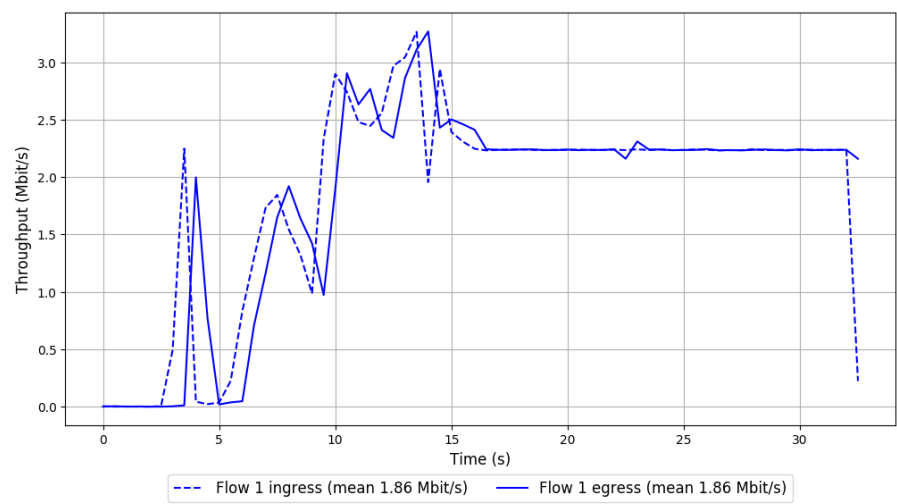


Run 3: Statistics of WebRTC media

Start at: 2018-08-01 17:15:46
End at: 2018-08-01 17:16:16
Local clock offset: 1.533 ms
Remote clock offset: -39.917 ms

Below is generated by plot.py at 2018-08-01 21:14:36
Datalink statistics
-- Total of 1 flow:
Average throughput: 1.86 Mbit/s
95th percentile per-packet one-way delay: 135.080 ms
Loss rate: 0.74%
-- Flow 1:
Average throughput: 1.86 Mbit/s
95th percentile per-packet one-way delay: 135.080 ms
Loss rate: 0.74%

Run 3: Report of WebRTC media — Data Link

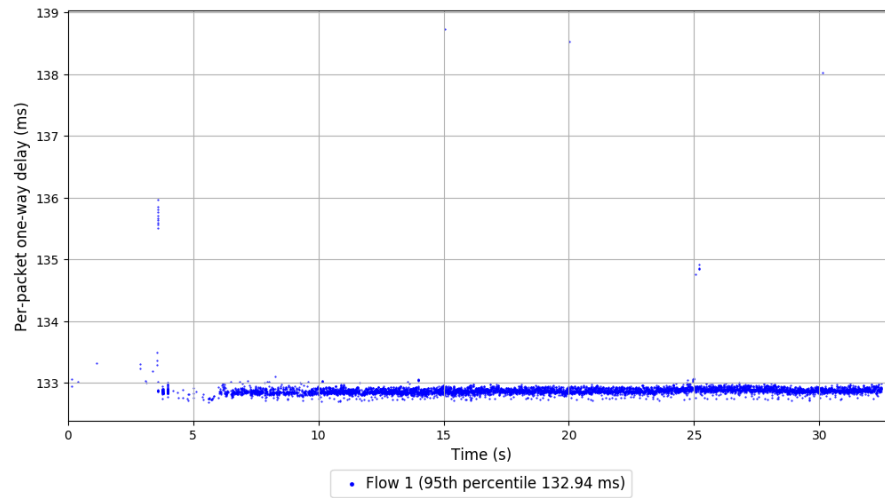
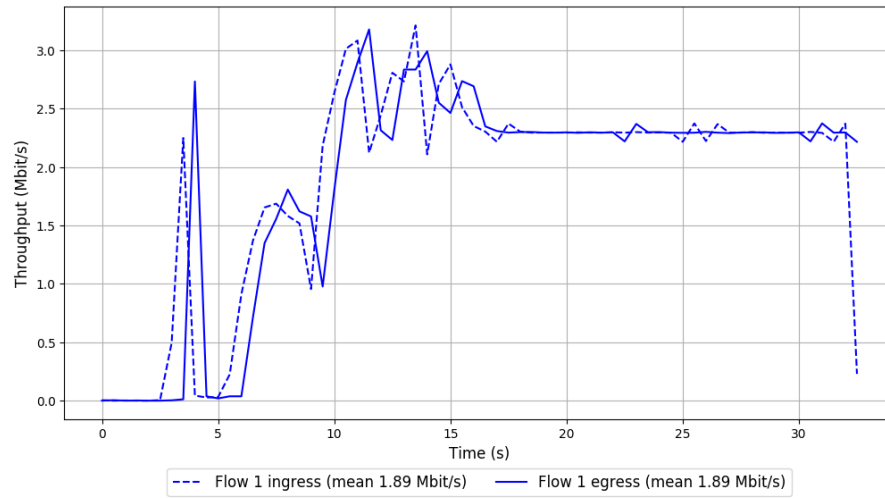


Run 4: Statistics of WebRTC media

Start at: 2018-08-01 17:37:43
End at: 2018-08-01 17:38:13
Local clock offset: 0.503 ms
Remote clock offset: -37.972 ms

Below is generated by plot.py at 2018-08-01 21:14:36
Datalink statistics
-- Total of 1 flow:
Average throughput: 1.89 Mbit/s
95th percentile per-packet one-way delay: 132.940 ms
Loss rate: 0.74%
-- Flow 1:
Average throughput: 1.89 Mbit/s
95th percentile per-packet one-way delay: 132.940 ms
Loss rate: 0.74%

Run 4: Report of WebRTC media — Data Link

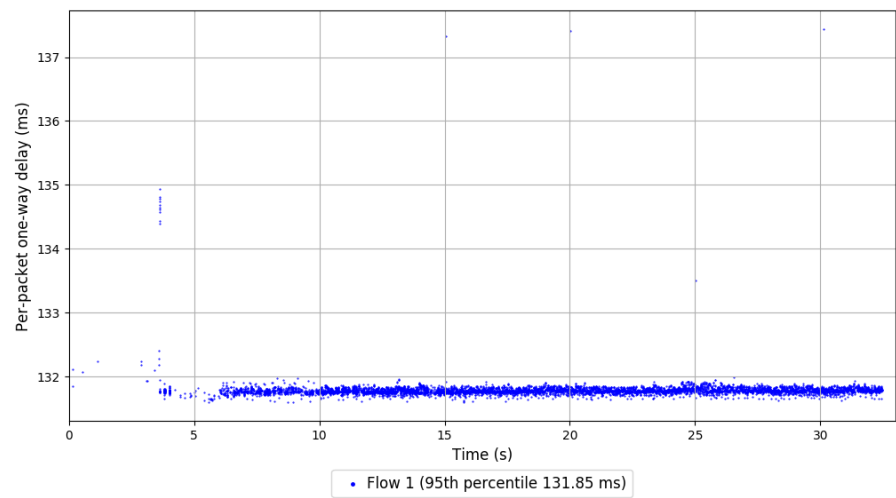
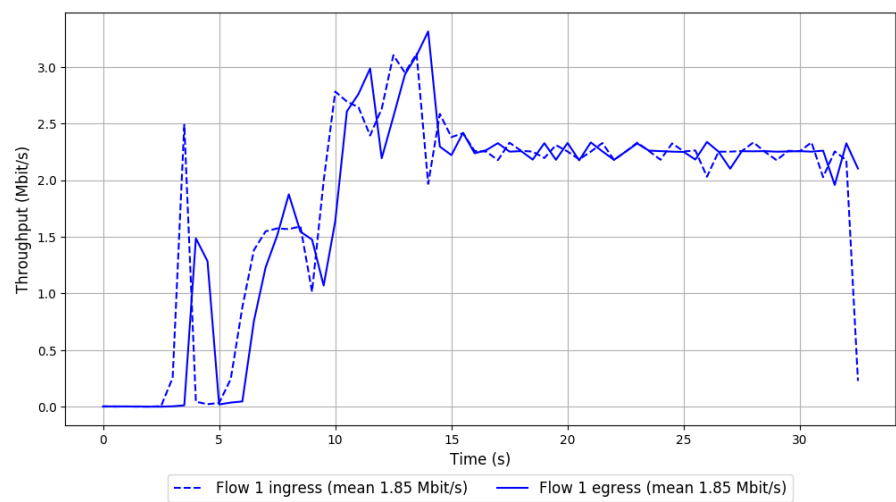


Run 5: Statistics of WebRTC media

Start at: 2018-08-01 18:04:59
End at: 2018-08-01 18:05:29
Local clock offset: 0.041 ms
Remote clock offset: -38.49 ms

Below is generated by plot.py at 2018-08-01 21:14:36
Datalink statistics
-- Total of 1 flow:
Average throughput: 1.85 Mbit/s
95th percentile per-packet one-way delay: 131.846 ms
Loss rate: 0.75%
-- Flow 1:
Average throughput: 1.85 Mbit/s
95th percentile per-packet one-way delay: 131.846 ms
Loss rate: 0.75%

Run 5: Report of WebRTC media — Data Link

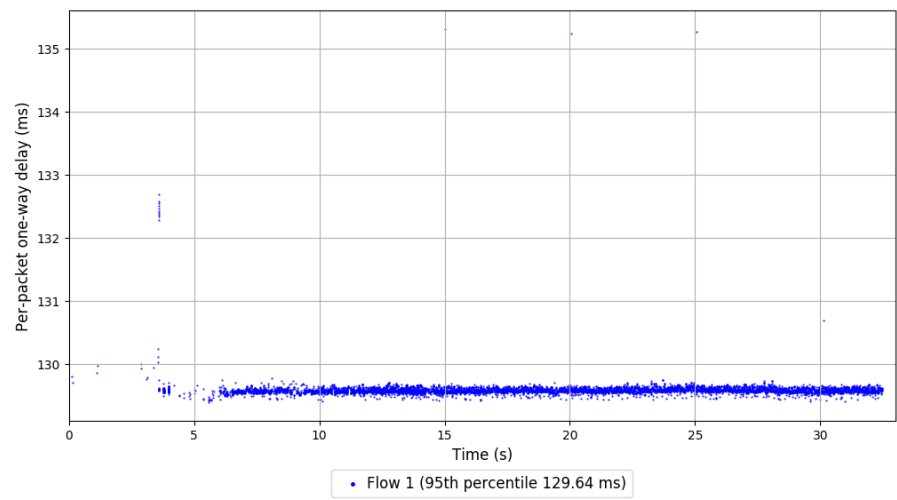
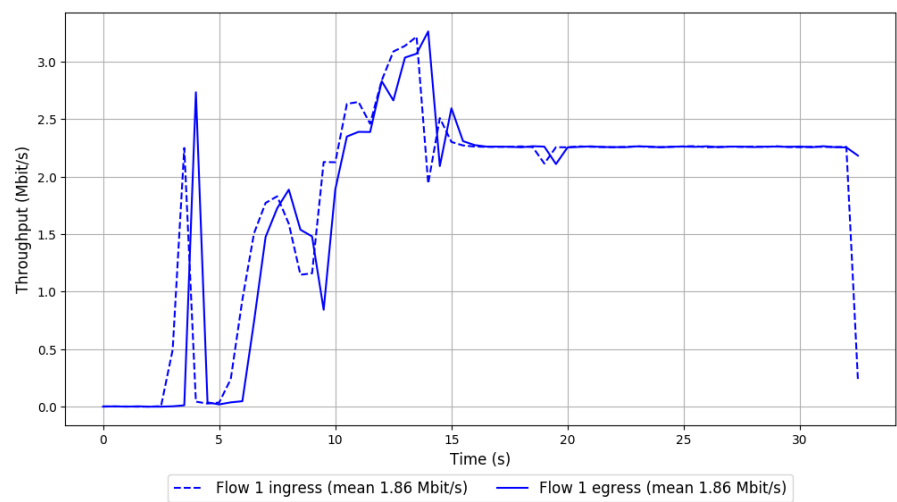


Run 6: Statistics of WebRTC media

Start at: 2018-08-01 18:27:08
End at: 2018-08-01 18:27:38
Local clock offset: 2.241 ms
Remote clock offset: -34.011 ms

Below is generated by plot.py at 2018-08-01 21:14:36
Datalink statistics
-- Total of 1 flow:
Average throughput: 1.86 Mbit/s
95th percentile per-packet one-way delay: 129.644 ms
Loss rate: 0.75%
-- Flow 1:
Average throughput: 1.86 Mbit/s
95th percentile per-packet one-way delay: 129.644 ms
Loss rate: 0.75%

Run 6: Report of WebRTC media — Data Link

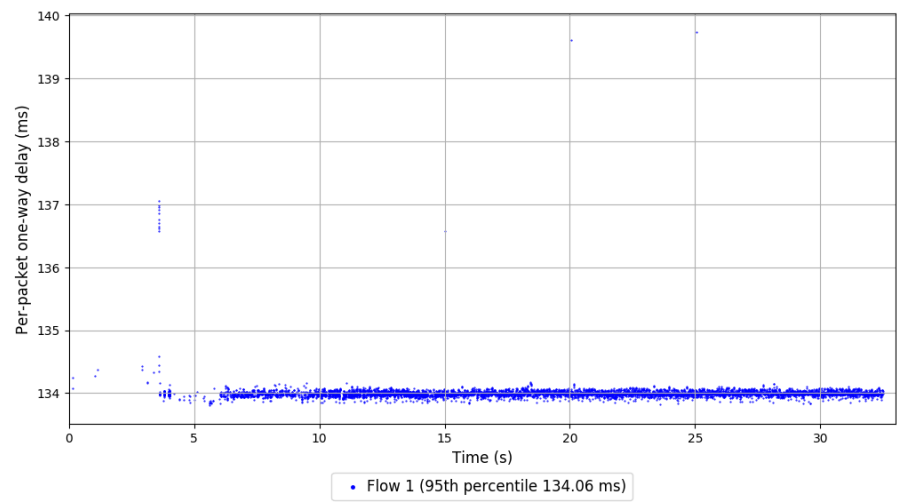
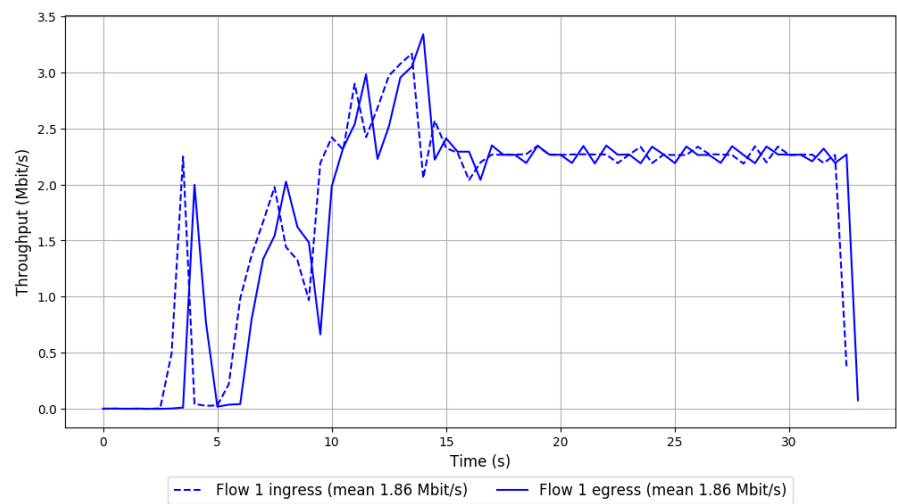


Run 7: Statistics of WebRTC media

Start at: 2018-08-01 18:54:54
End at: 2018-08-01 18:55:24
Local clock offset: 1.856 ms
Remote clock offset: -39.124 ms

Below is generated by plot.py at 2018-08-01 21:14:36
Datalink statistics
-- Total of 1 flow:
Average throughput: 1.86 Mbit/s
95th percentile per-packet one-way delay: 134.060 ms
Loss rate: 0.75%
-- Flow 1:
Average throughput: 1.86 Mbit/s
95th percentile per-packet one-way delay: 134.060 ms
Loss rate: 0.75%

Run 7: Report of WebRTC media — Data Link

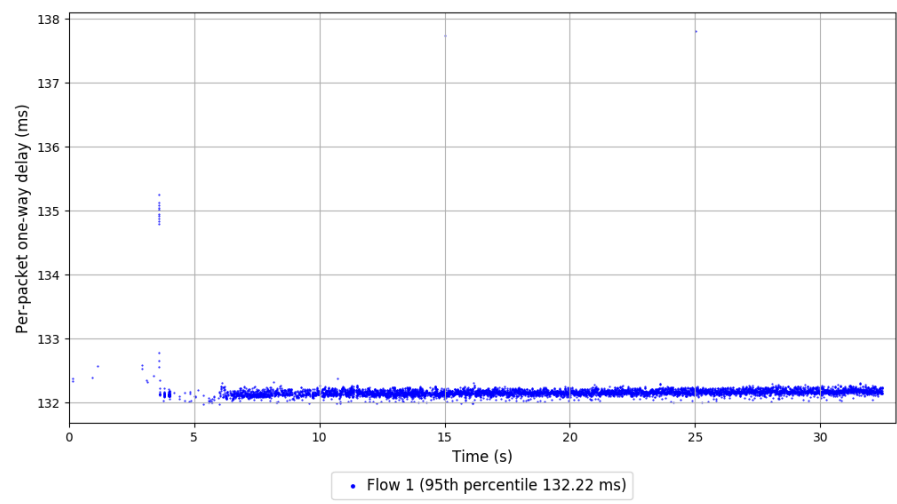
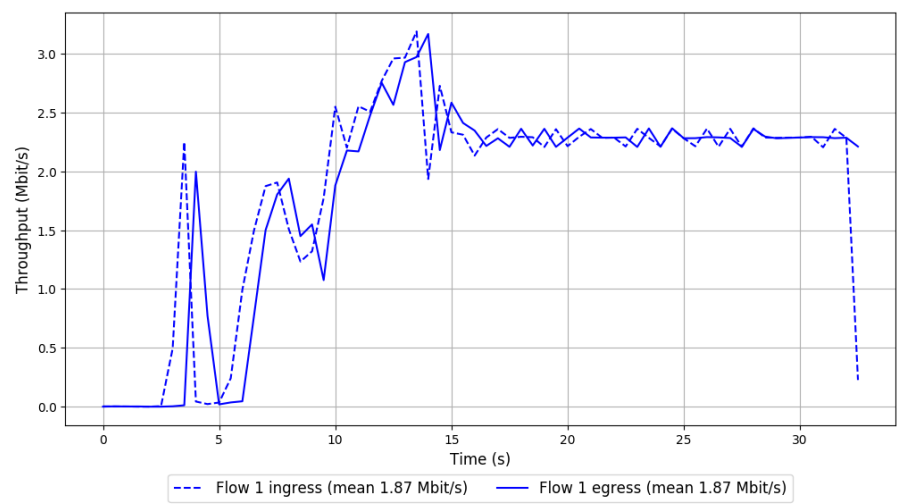


Run 8: Statistics of WebRTC media

Start at: 2018-08-01 19:22:33
End at: 2018-08-01 19:23:03
Local clock offset: 3.368 ms
Remote clock offset: -35.907 ms

Below is generated by plot.py at 2018-08-01 21:14:36
Datalink statistics
-- Total of 1 flow:
Average throughput: 1.87 Mbit/s
95th percentile per-packet one-way delay: 132.225 ms
Loss rate: 0.75%
-- Flow 1:
Average throughput: 1.87 Mbit/s
95th percentile per-packet one-way delay: 132.225 ms
Loss rate: 0.75%

Run 8: Report of WebRTC media — Data Link

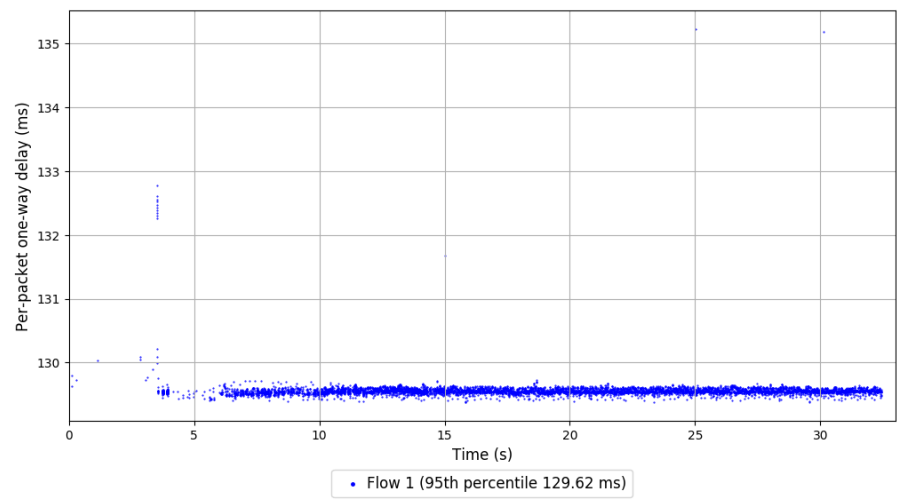
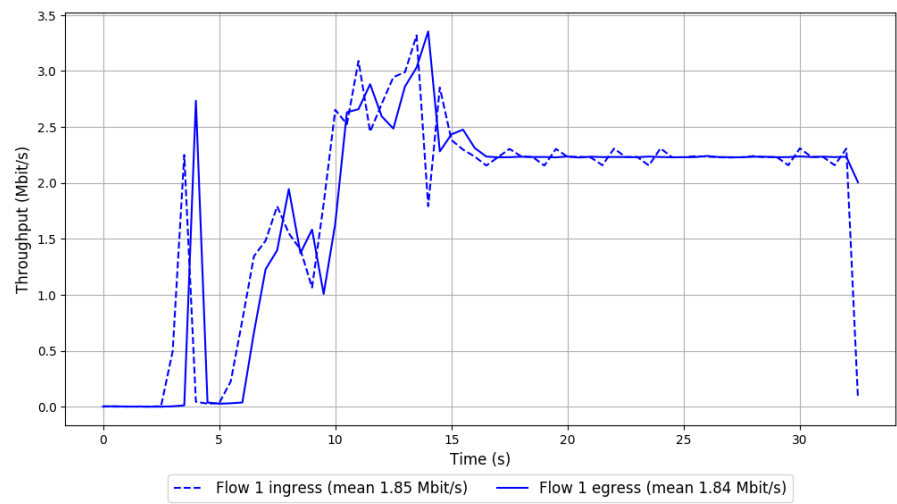


Run 9: Statistics of WebRTC media

Start at: 2018-08-01 19:49:59
End at: 2018-08-01 19:50:29
Local clock offset: 0.24 ms
Remote clock offset: -34.112 ms

Below is generated by plot.py at 2018-08-01 21:14:36
Datalink statistics
-- Total of 1 flow:
Average throughput: 1.84 Mbit/s
95th percentile per-packet one-way delay: 129.620 ms
Loss rate: 0.75%
-- Flow 1:
Average throughput: 1.84 Mbit/s
95th percentile per-packet one-way delay: 129.620 ms
Loss rate: 0.75%

Run 9: Report of WebRTC media — Data Link



Run 10: Statistics of WebRTC media

Start at: 2018-08-01 20:11:39
End at: 2018-08-01 20:12:09
Local clock offset: 0.551 ms
Remote clock offset: -38.928 ms

Below is generated by plot.py at 2018-08-01 21:14:36
Datalink statistics
-- Total of 1 flow:
Average throughput: 1.87 Mbit/s
95th percentile per-packet one-way delay: 134.683 ms
Loss rate: 0.56%
-- Flow 1:
Average throughput: 1.87 Mbit/s
95th percentile per-packet one-way delay: 134.683 ms
Loss rate: 0.56%

Run 10: Report of WebRTC media — Data Link

