

Pantheon Report

Generated at 2018-08-22 15:57:45 (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.

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

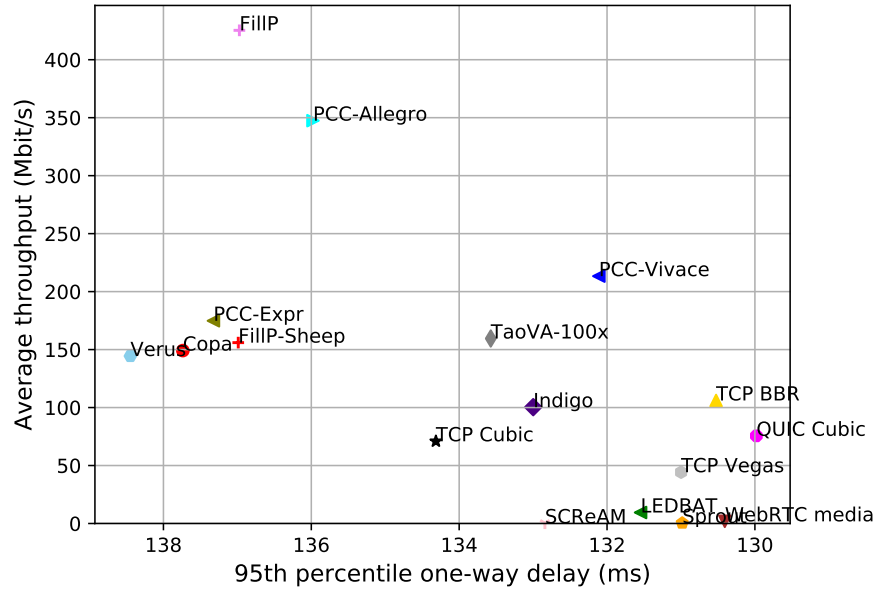
System info:

```
Linux 4.15.0-1016-aws
net.core.default_qdisc = fq_codel
net.core.rmem_default = 16777216
net.core.rmem_max = 33554432
net.core.wmem_default = 212992
net.core.wmem_max = 212992
net.ipv4.tcp_rmem = 4096 87380 6291456
net.ipv4.tcp_wmem = 4096 16384 4194304
```

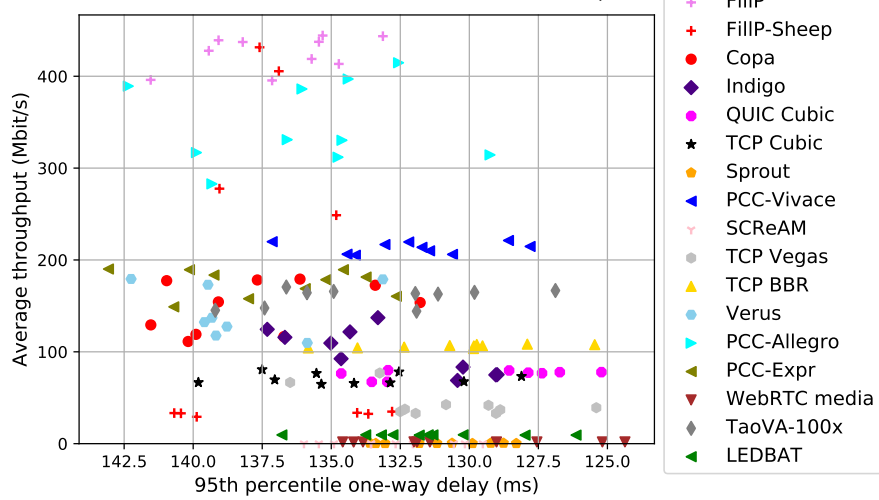
Git summary:

```
branch: master @ 7719b900495aa706f8452ab7d4a94dd562e9296e
third_party/fillp @ d47f4fa1b454a5e3c0537115c5a28436dbd4b834
third_party/fillp-sheep @ daed0c84f98531712514b2231f43ec6901114ffe
third_party/genericCC @ d0153f8e594aa89e93b032143cedbdfef58e562f4
third_party/indigo @ 2601c92e4aa9d58d38dc4dfe0ecdbf90c077e64d
third_party/libutp @ b3465b942e2826f2b179eaab4a906ce6bb7cf3cf
third_party/pantheon-tunnel @ 6f038ed31259d366f9840f65b82cbe8f464b1b39
third_party/pcc @ 1afc958fa0d66d18b623c091a55fec872b4981e1
M receiver/src/buffer.h
M receiver/src/core.cpp
M sender/src/buffer.h
M sender/src/core.cpp
third_party/pcc-experimental @ cd43e34e3f5f5613e8acd08fab92c4eb24f974ab
third_party/proto-quic @ 77961f1a82733a86b42f1bc8143ebc978f3cff42
third_party/scream-reproduce @ f099118d1421aa3131bf11ff1964974e1da3bdb2
M src/ScreamClient
M src/ScreamServer
third_party/sprout @ 366e35c6178b01e31d4a46ad18c74f9415f19a26
third_party/verus @ d4b447ea74c6c60a261149af2629562939f9a494
M src/verus.hpp
M tools/plot.py
third_party/vivace @ 2baf86211435ae071a32f96b7d8c504587f5d7f4
third_party/webrtc @ 3f0cc2a9061a41b6f9dde4735770d143a1fa2851
```

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



test from Saudi Arabia to AWS India 2, 10 runs of 30s each per scheme



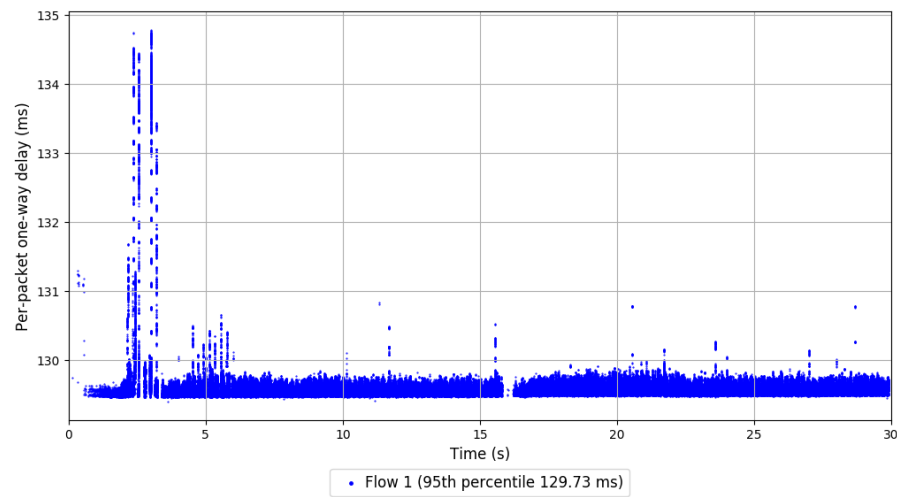
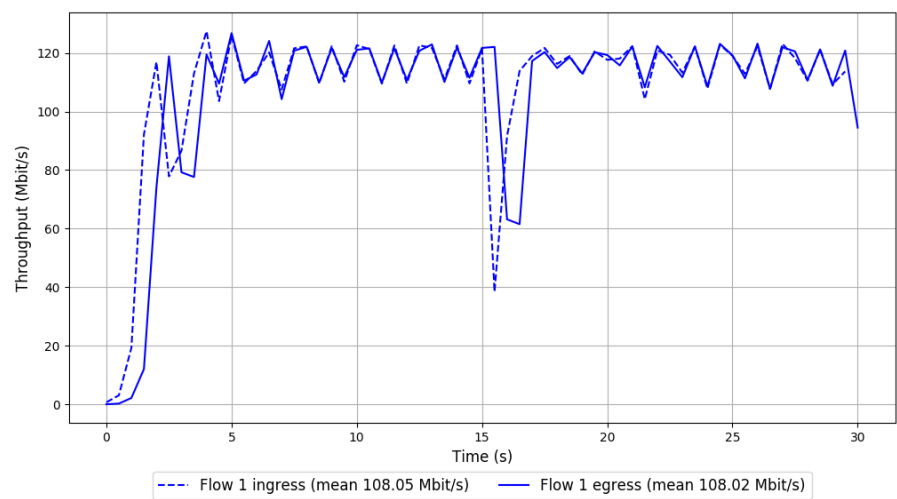
scheme	# runs	mean avg tput (Mbit/s) flow 1	mean 95th-%ile delay (ms) flow 1	mean loss rate (%) flow 1
TCP BBR	10	106.13	130.53	0.69
Copa	10	149.13	137.74	0.69
TCP Cubic	10	70.91	134.31	0.69
FillP	10	425.34	136.97	1.63
FillP-Sheep	10	155.98	136.99	0.53
Indigo	10	100.34	133.00	0.62
LEDBAT	10	9.49	131.55	1.30
PCC-Allegro	10	347.43	135.98	0.68
PCC-Expr	10	174.83	137.32	0.98
QUIC Cubic	9	75.61	129.98	0.72
SCReAM	10	0.22	132.84	0.63
Sprout	10	0.45	130.98	0.44
TaoVA-100x	10	159.54	133.57	0.70
TCP Vegas	10	44.22	131.00	0.70
Verus	8	144.44	138.45	1.10
PCC-Vivace	10	213.34	132.11	0.79
WebRTC media	10	1.87	130.41	0.73

Run 1: Statistics of TCP BBR

Start at: 2018-08-22 11:02:51
End at: 2018-08-22 11:03:21
Local clock offset: 0.06 ms
Remote clock offset: -33.863 ms

Below is generated by plot.py at 2018-08-22 15:20:24
Datalink statistics
-- Total of 1 flow:
Average throughput: 108.02 Mbit/s
95th percentile per-packet one-way delay: 129.731 ms
Loss rate: 0.69%
-- Flow 1:
Average throughput: 108.02 Mbit/s
95th percentile per-packet one-way delay: 129.731 ms
Loss rate: 0.69%

Run 1: Report of TCP BBR — Data Link

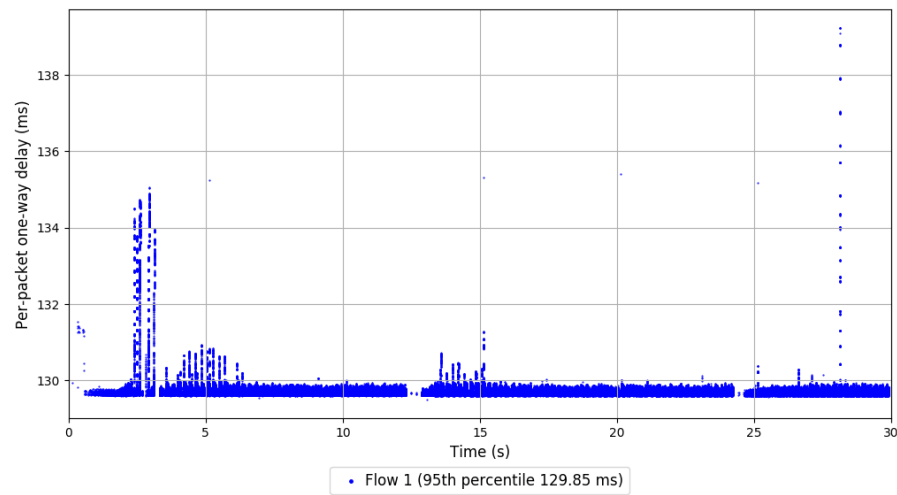
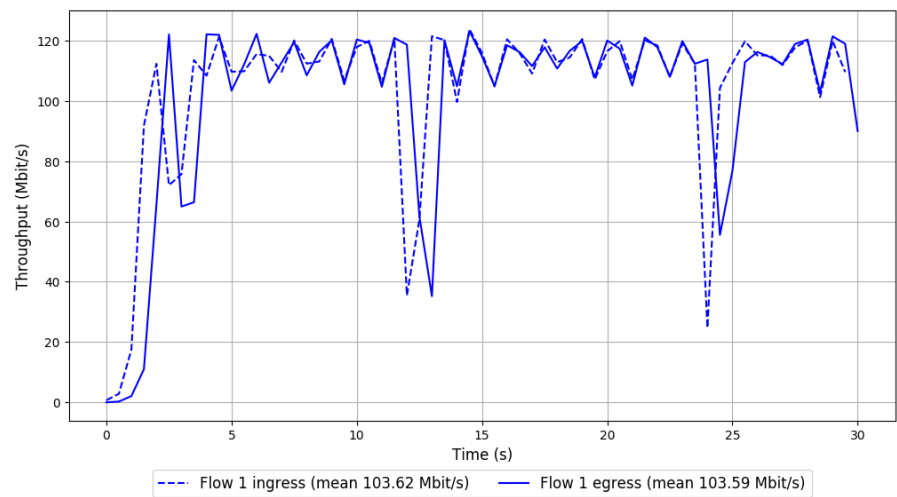


Run 2: Statistics of TCP BBR

Start at: 2018-08-22 11:25:06
End at: 2018-08-22 11:25:36
Local clock offset: 2.123 ms
Remote clock offset: -33.696 ms

Below is generated by plot.py at 2018-08-22 15:20:24
Datalink statistics
-- Total of 1 flow:
Average throughput: 103.59 Mbit/s
95th percentile per-packet one-way delay: 129.850 ms
Loss rate: 0.68%
-- Flow 1:
Average throughput: 103.59 Mbit/s
95th percentile per-packet one-way delay: 129.850 ms
Loss rate: 0.68%

Run 2: Report of TCP BBR — Data Link

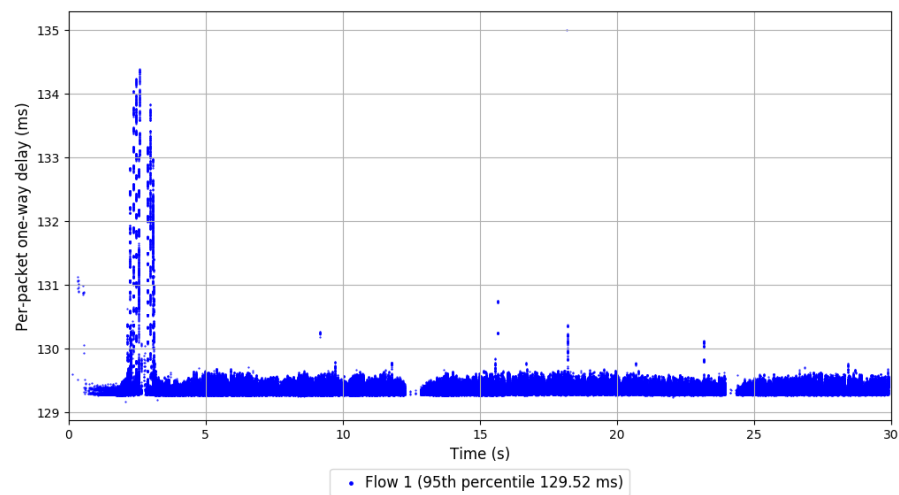
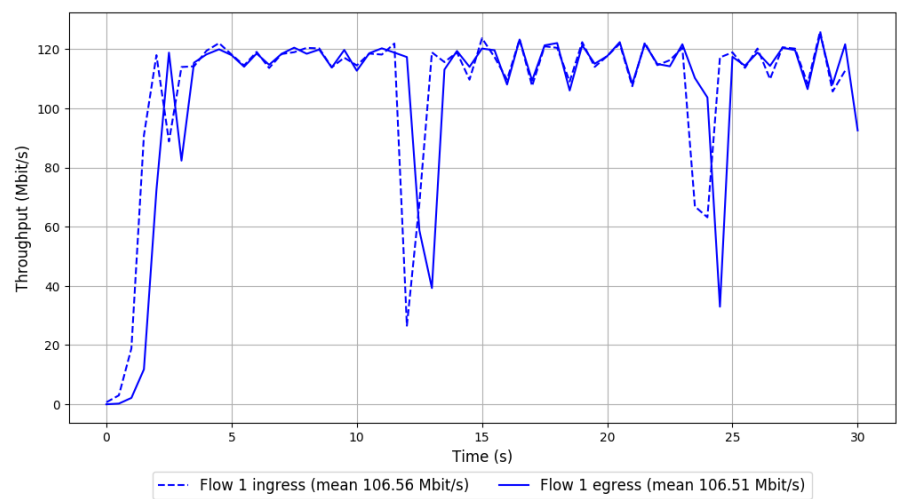


Run 3: Statistics of TCP BBR

Start at: 2018-08-22 11:46:56
End at: 2018-08-22 11:47:26
Local clock offset: 1.864 ms
Remote clock offset: -33.692 ms

Below is generated by plot.py at 2018-08-22 15:20:24
Datalink statistics
-- Total of 1 flow:
Average throughput: 106.51 Mbit/s
95th percentile per-packet one-way delay: 129.523 ms
Loss rate: 0.70%
-- Flow 1:
Average throughput: 106.51 Mbit/s
95th percentile per-packet one-way delay: 129.523 ms
Loss rate: 0.70%

Run 3: Report of TCP BBR — Data Link

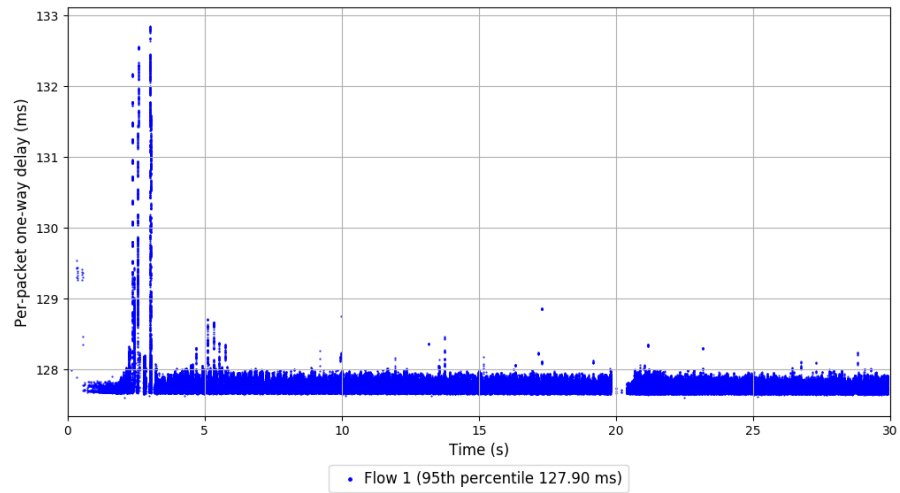
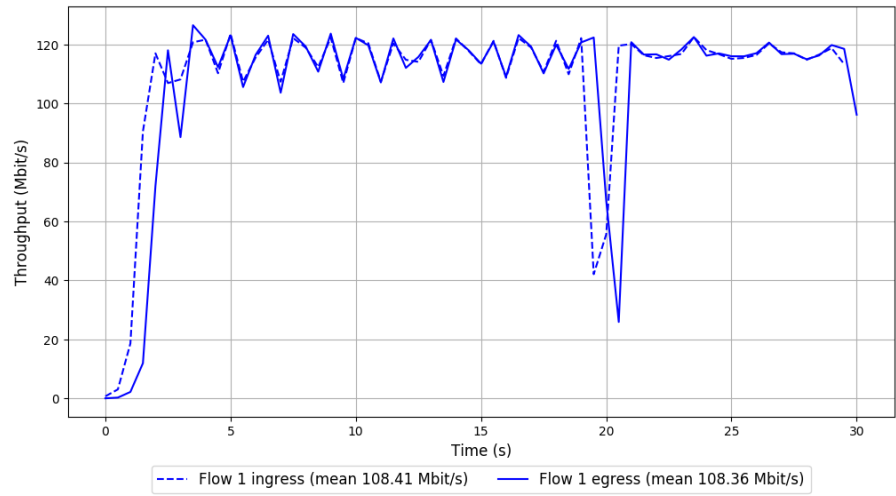


Run 4: Statistics of TCP BBR

Start at: 2018-08-22 12:14:26
End at: 2018-08-22 12:14:56
Local clock offset: -1.1 ms
Remote clock offset: -35.592 ms

Below is generated by plot.py at 2018-08-22 15:20:24
Datalink statistics
-- Total of 1 flow:
Average throughput: 108.36 Mbit/s
95th percentile per-packet one-way delay: 127.900 ms
Loss rate: 0.69%
-- Flow 1:
Average throughput: 108.36 Mbit/s
95th percentile per-packet one-way delay: 127.900 ms
Loss rate: 0.69%

Run 4: Report of TCP BBR — Data Link

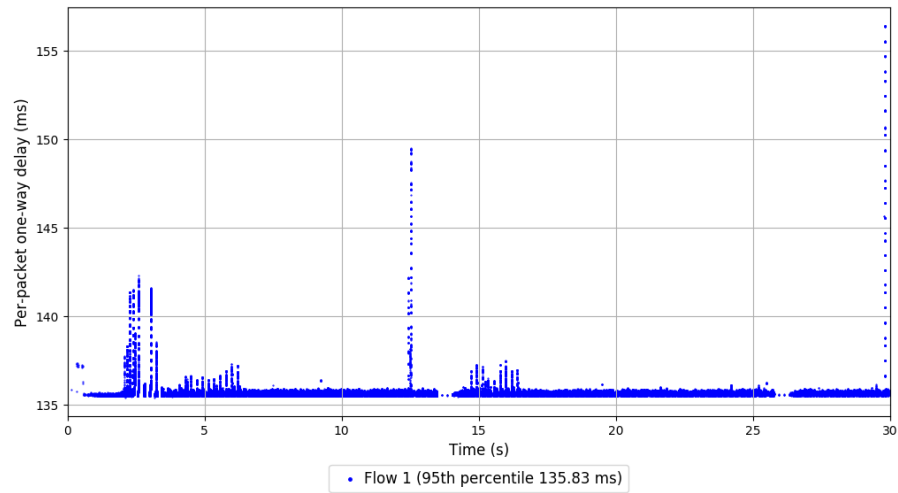
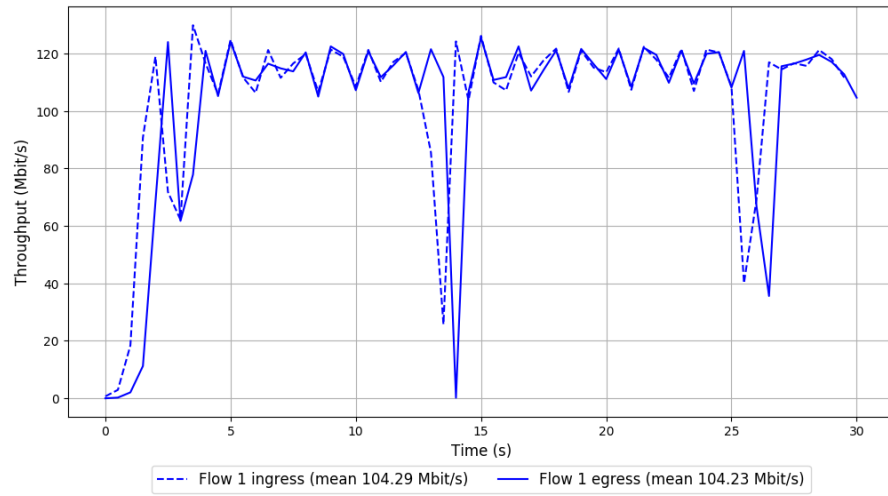


Run 5: Statistics of TCP BBR

Start at: 2018-08-22 12:42:05
End at: 2018-08-22 12:42:35
Local clock offset: 2.374 ms
Remote clock offset: -39.006 ms

Below is generated by plot.py at 2018-08-22 15:20:24
Datalink statistics
-- Total of 1 flow:
Average throughput: 104.23 Mbit/s
95th percentile per-packet one-way delay: 135.832 ms
Loss rate: 0.71%
-- Flow 1:
Average throughput: 104.23 Mbit/s
95th percentile per-packet one-way delay: 135.832 ms
Loss rate: 0.71%

Run 5: Report of TCP BBR — Data Link

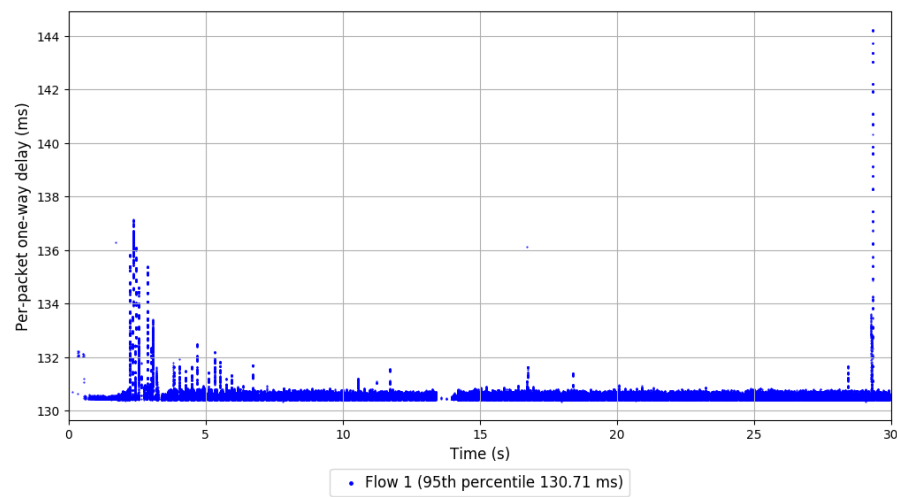
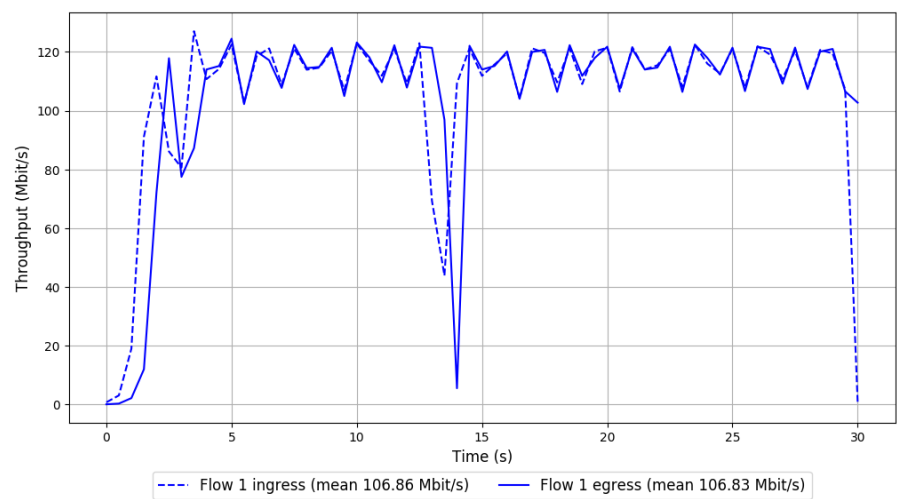


Run 6: Statistics of TCP BBR

Start at: 2018-08-22 13:03:48
End at: 2018-08-22 13:04:18
Local clock offset: 1.548 ms
Remote clock offset: -35.921 ms

Below is generated by plot.py at 2018-08-22 15:20:24
Datalink statistics
-- Total of 1 flow:
Average throughput: 106.83 Mbit/s
95th percentile per-packet one-way delay: 130.709 ms
Loss rate: 0.68%
-- Flow 1:
Average throughput: 106.83 Mbit/s
95th percentile per-packet one-way delay: 130.709 ms
Loss rate: 0.68%

Run 6: Report of TCP BBR — Data Link

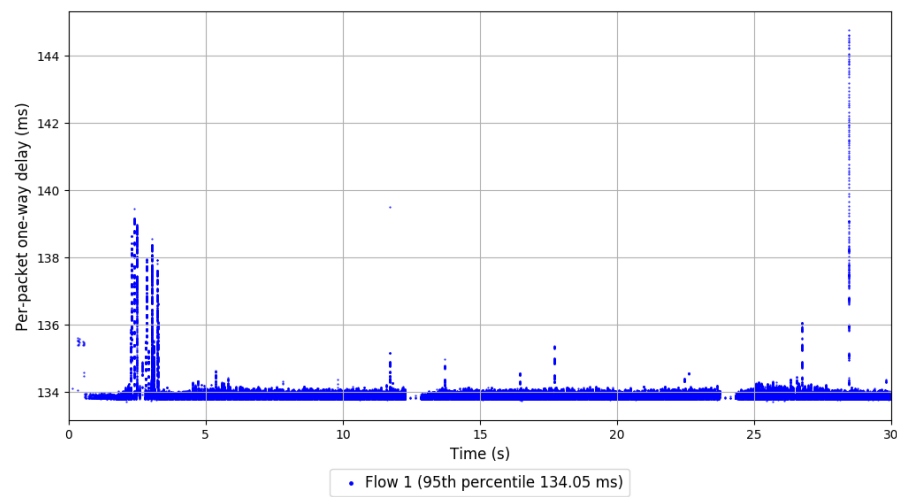
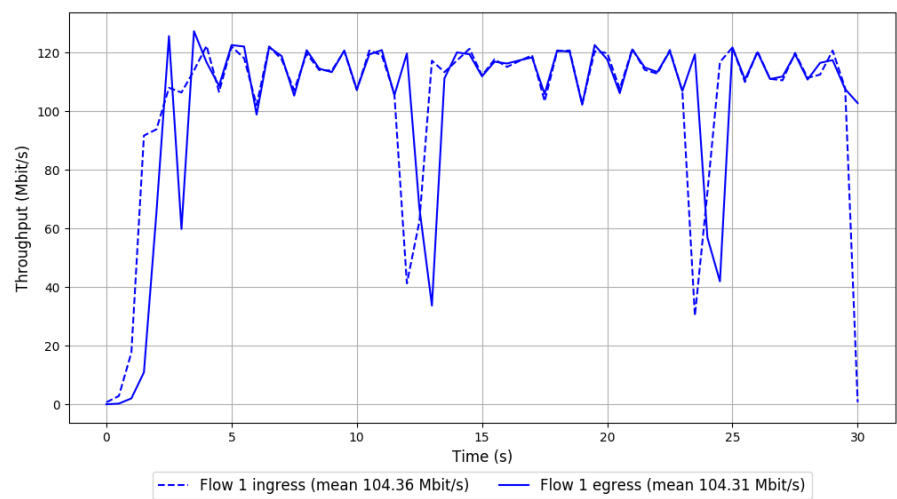


Run 7: Statistics of TCP BBR

Start at: 2018-08-22 13:31:15
End at: 2018-08-22 13:31:45
Local clock offset: 1.211 ms
Remote clock offset: -40.164 ms

Below is generated by plot.py at 2018-08-22 15:20:24
Datalink statistics
-- Total of 1 flow:
Average throughput: 104.31 Mbit/s
95th percentile per-packet one-way delay: 134.050 ms
Loss rate: 0.70%
-- Flow 1:
Average throughput: 104.31 Mbit/s
95th percentile per-packet one-way delay: 134.050 ms
Loss rate: 0.70%

Run 7: Report of TCP BBR — Data Link

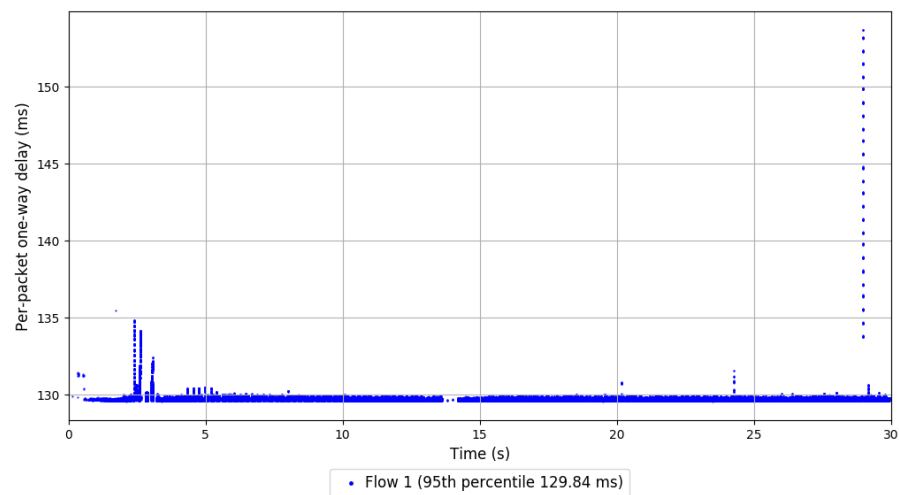
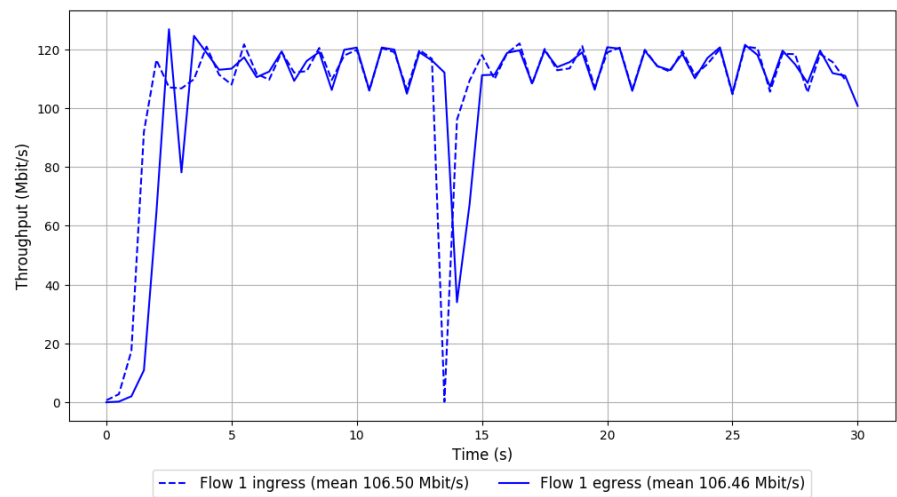


Run 8: Statistics of TCP BBR

Start at: 2018-08-22 13:58:51
End at: 2018-08-22 13:59:21
Local clock offset: -4.026 ms
Remote clock offset: -41.151 ms

Below is generated by plot.py at 2018-08-22 15:20:24
Datalink statistics
-- Total of 1 flow:
Average throughput: 106.46 Mbit/s
95th percentile per-packet one-way delay: 129.836 ms
Loss rate: 0.68%
-- Flow 1:
Average throughput: 106.46 Mbit/s
95th percentile per-packet one-way delay: 129.836 ms
Loss rate: 0.68%

Run 8: Report of TCP BBR — Data Link

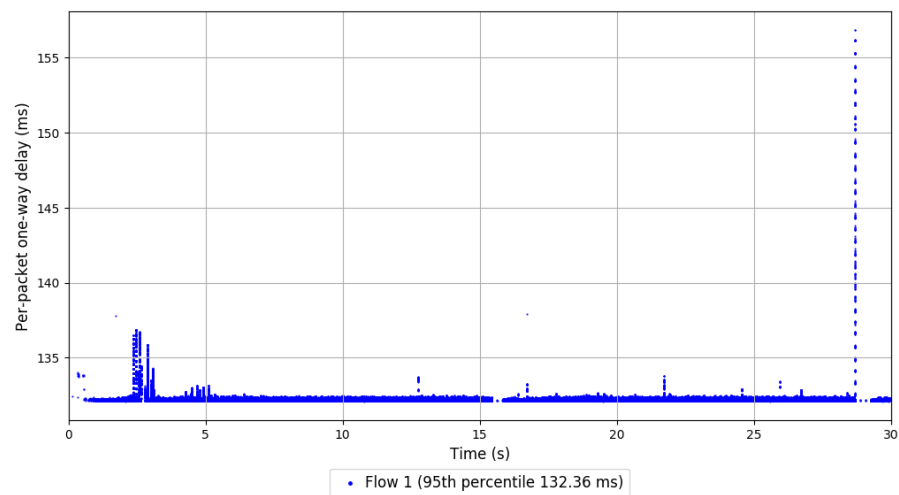
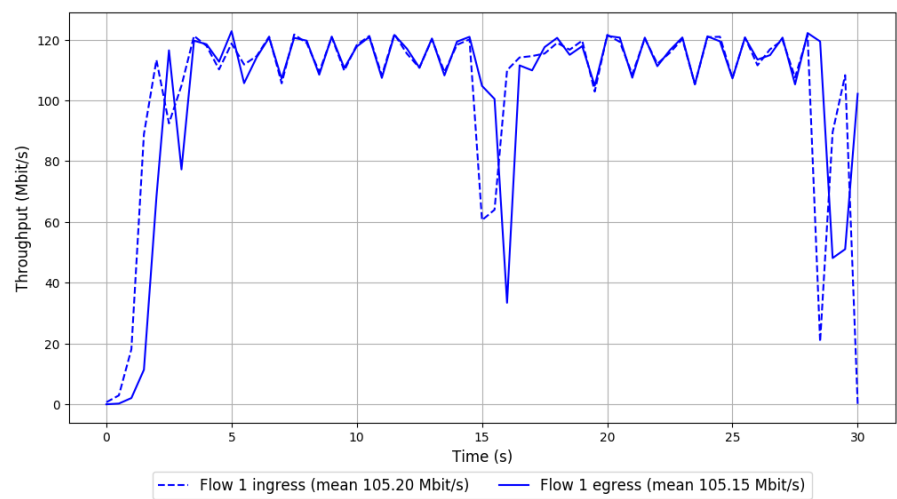


Run 9: Statistics of TCP BBR

Start at: 2018-08-22 14:26:26
End at: 2018-08-22 14:26:56
Local clock offset: -2.34 ms
Remote clock offset: -40.935 ms

Below is generated by plot.py at 2018-08-22 15:21:17
Datalink statistics
-- Total of 1 flow:
Average throughput: 105.15 Mbit/s
95th percentile per-packet one-way delay: 132.359 ms
Loss rate: 0.71%
-- Flow 1:
Average throughput: 105.15 Mbit/s
95th percentile per-packet one-way delay: 132.359 ms
Loss rate: 0.71%

Run 9: Report of TCP BBR — Data Link

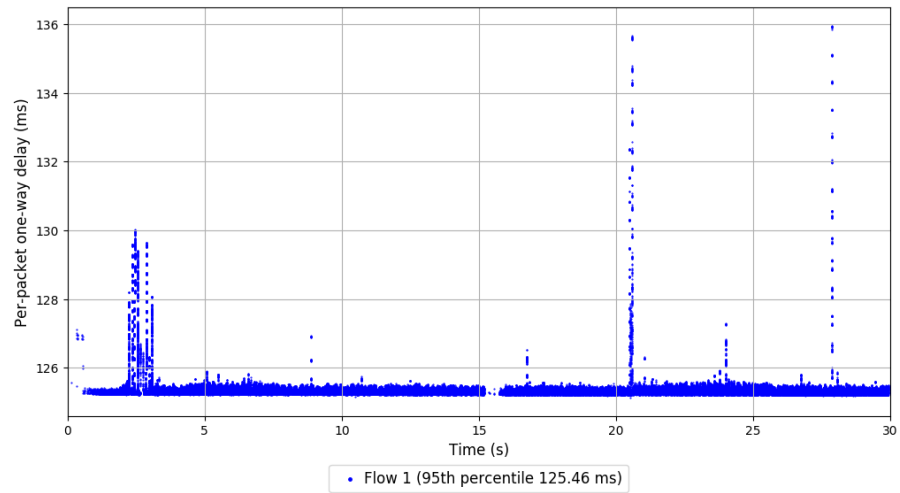
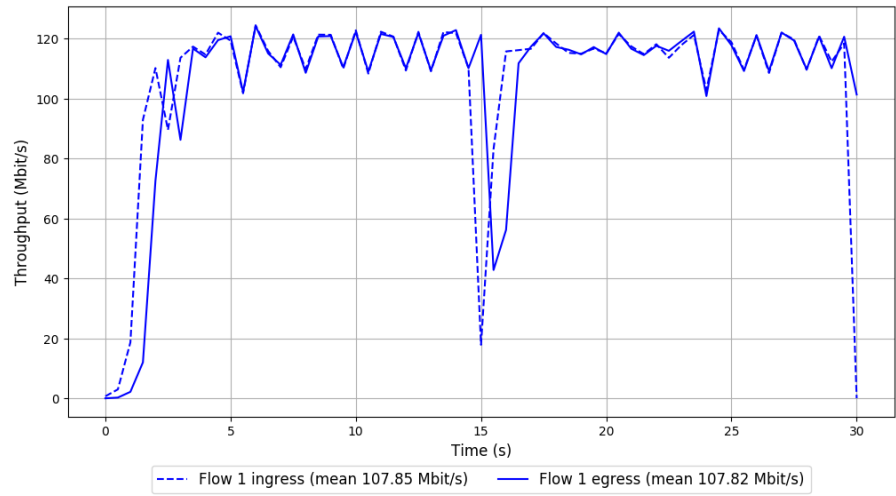


Run 10: Statistics of TCP BBR

Start at: 2018-08-22 14:53:51
End at: 2018-08-22 14:54:21
Local clock offset: -3.072 ms
Remote clock offset: -38.194 ms

Below is generated by plot.py at 2018-08-22 15:21:19
Datalink statistics
-- Total of 1 flow:
Average throughput: 107.82 Mbit/s
95th percentile per-packet one-way delay: 125.460 ms
Loss rate: 0.68%
-- Flow 1:
Average throughput: 107.82 Mbit/s
95th percentile per-packet one-way delay: 125.460 ms
Loss rate: 0.68%

Run 10: Report of TCP BBR — Data Link

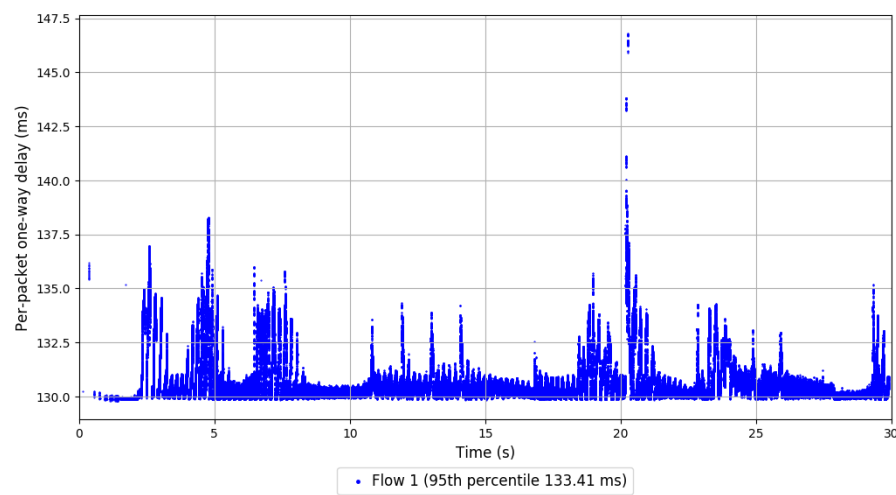
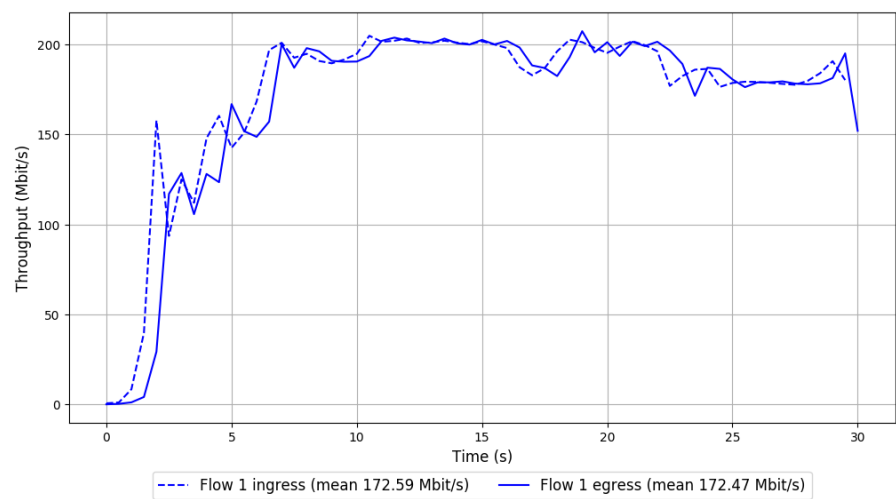


Run 1: Statistics of Copa

Start at: 2018-08-22 11:16:01
End at: 2018-08-22 11:16:31
Local clock offset: 1.61 ms
Remote clock offset: -32.921 ms

Below is generated by plot.py at 2018-08-22 15:23:46
Datalink statistics
-- Total of 1 flow:
Average throughput: 172.47 Mbit/s
95th percentile per-packet one-way delay: 133.406 ms
Loss rate: 0.72%
-- Flow 1:
Average throughput: 172.47 Mbit/s
95th percentile per-packet one-way delay: 133.406 ms
Loss rate: 0.72%

Run 1: Report of Copa — Data Link

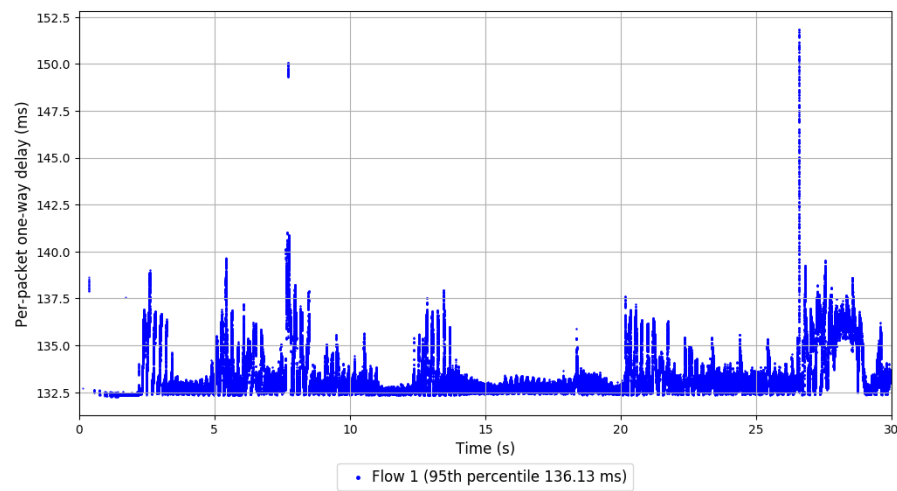
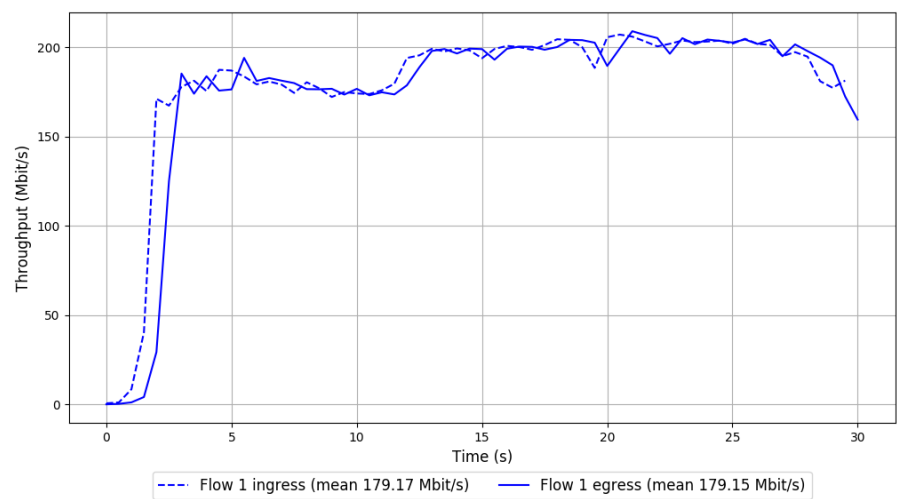


Run 2: Statistics of Copa

Start at: 2018-08-22 11:38:13
End at: 2018-08-22 11:38:43
Local clock offset: 4.032 ms
Remote clock offset: -33.611 ms

Below is generated by plot.py at 2018-08-22 15:23:52
Datalink statistics
-- Total of 1 flow:
Average throughput: 179.15 Mbit/s
95th percentile per-packet one-way delay: 136.132 ms
Loss rate: 0.66%
-- Flow 1:
Average throughput: 179.15 Mbit/s
95th percentile per-packet one-way delay: 136.132 ms
Loss rate: 0.66%

Run 2: Report of Copa — Data Link

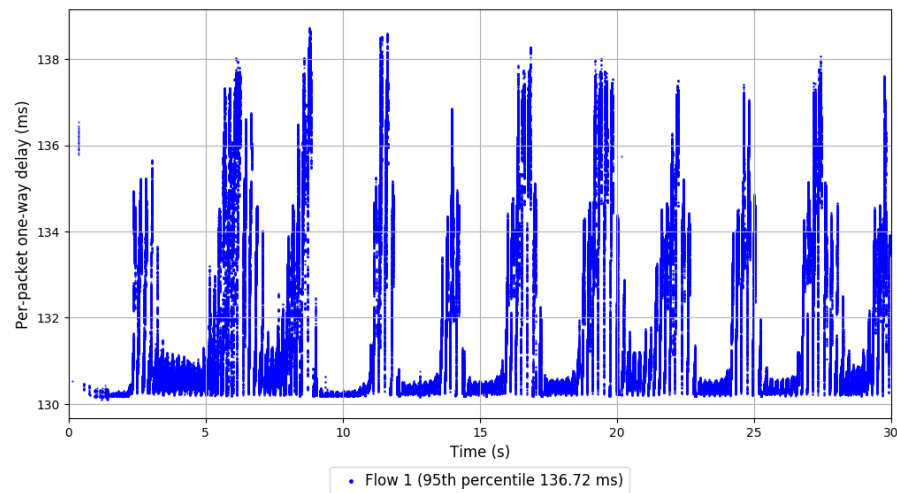
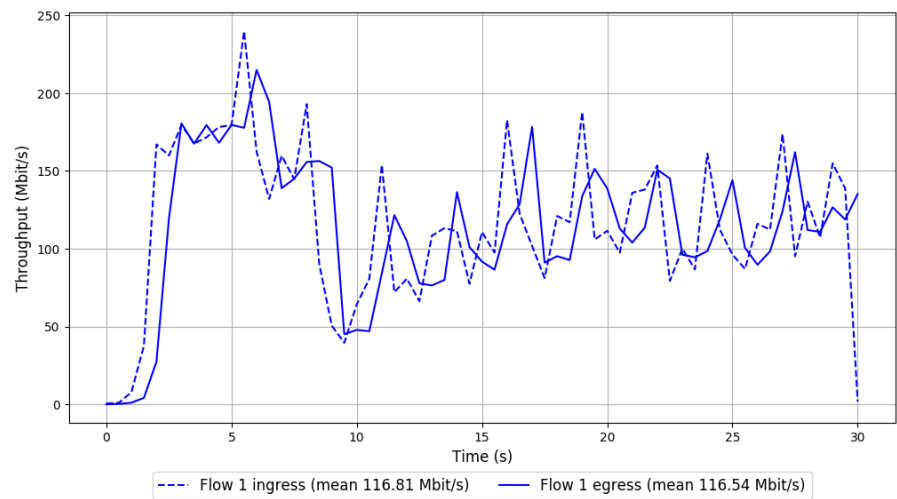


Run 3: Statistics of Copa

Start at: 2018-08-22 12:05:47
End at: 2018-08-22 12:06:17
Local clock offset: 1.076 ms
Remote clock offset: -35.427 ms

Below is generated by plot.py at 2018-08-22 15:23:52
Datalink statistics
-- Total of 1 flow:
Average throughput: 116.54 Mbit/s
95th percentile per-packet one-way delay: 136.716 ms
Loss rate: 0.90%
-- Flow 1:
Average throughput: 116.54 Mbit/s
95th percentile per-packet one-way delay: 136.716 ms
Loss rate: 0.90%

Run 3: Report of Copa — Data Link

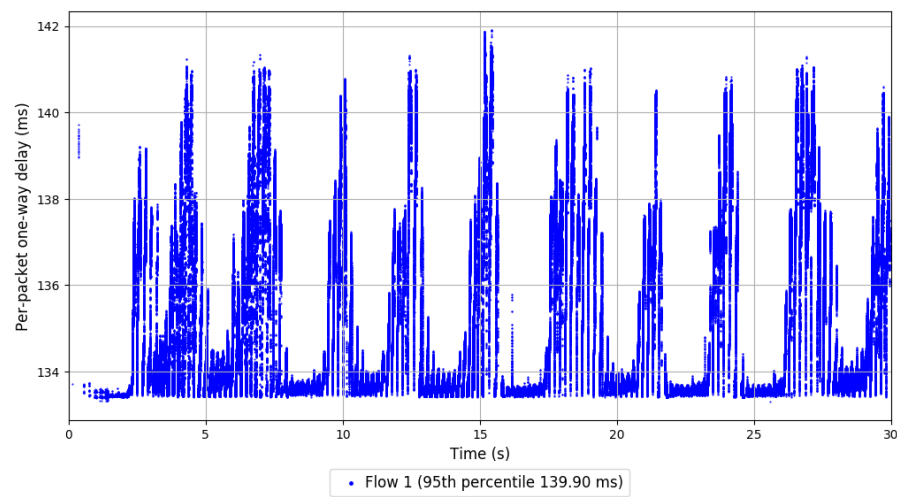
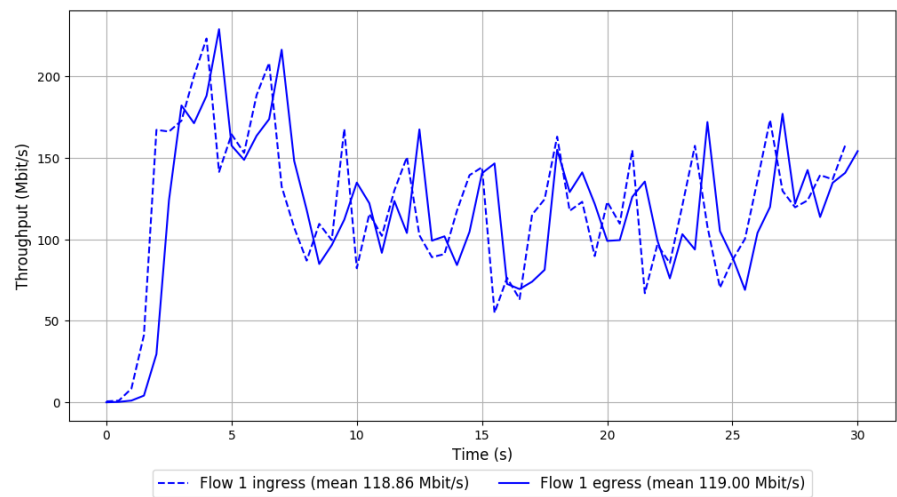


Run 4: Statistics of Copa

Start at: 2018-08-22 12:27:36
End at: 2018-08-22 12:28:06
Local clock offset: 0.984 ms
Remote clock offset: -38.484 ms

Below is generated by plot.py at 2018-08-22 15:23:52
Datalink statistics
-- Total of 1 flow:
Average throughput: 119.00 Mbit/s
95th percentile per-packet one-way delay: 139.900 ms
Loss rate: 0.55%
-- Flow 1:
Average throughput: 119.00 Mbit/s
95th percentile per-packet one-way delay: 139.900 ms
Loss rate: 0.55%

Run 4: Report of Copa — Data Link

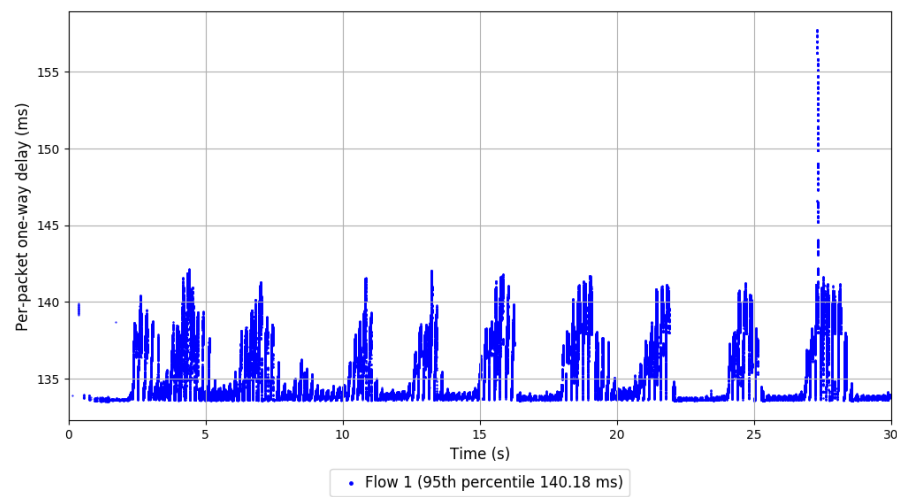
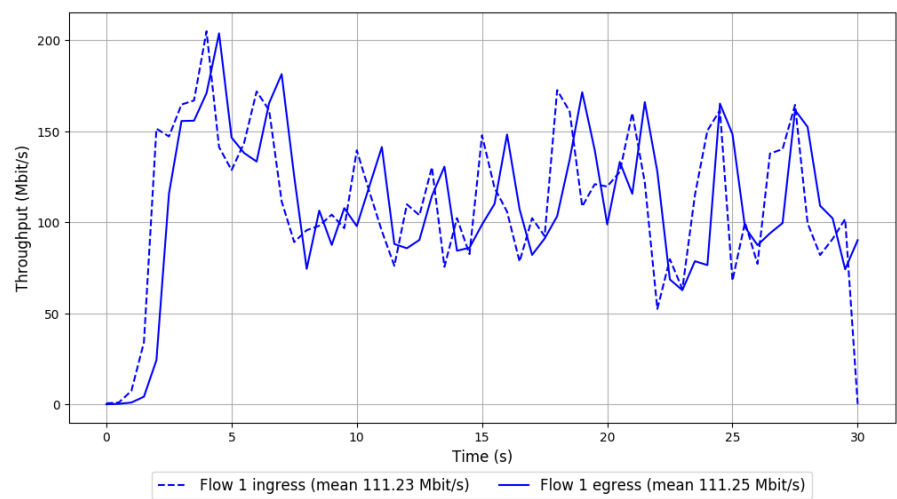


Run 5: Statistics of Copa

Start at: 2018-08-22 12:55:07
End at: 2018-08-22 12:55:37
Local clock offset: 2.529 ms
Remote clock offset: -36.773 ms

Below is generated by plot.py at 2018-08-22 15:23:52
Datalink statistics
-- Total of 1 flow:
Average throughput: 111.25 Mbit/s
95th percentile per-packet one-way delay: 140.182 ms
Loss rate: 0.63%
-- Flow 1:
Average throughput: 111.25 Mbit/s
95th percentile per-packet one-way delay: 140.182 ms
Loss rate: 0.63%

Run 5: Report of Copa — Data Link

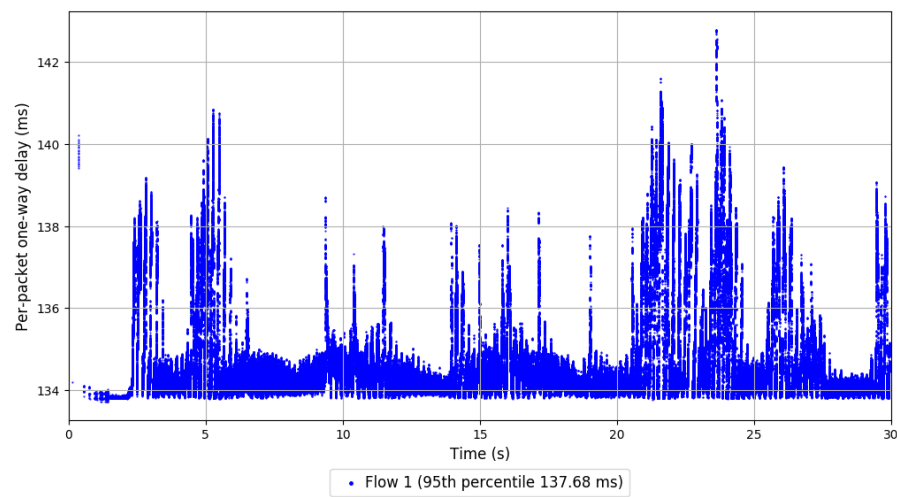
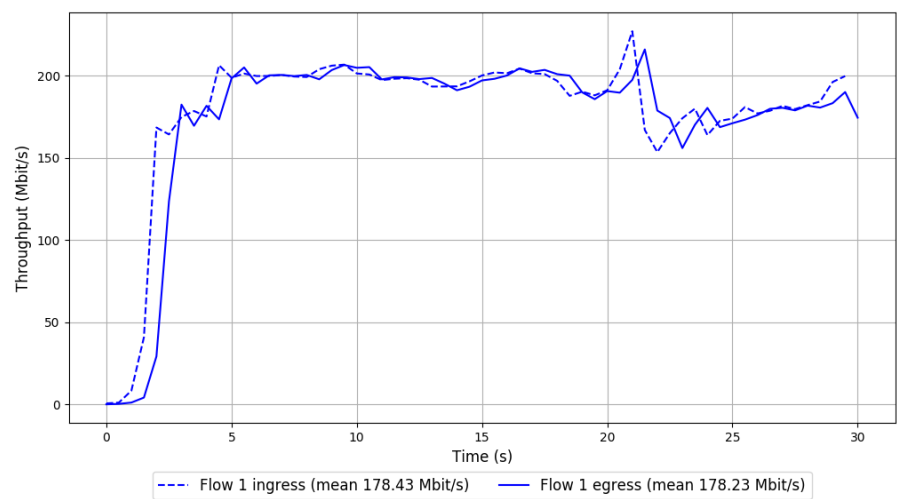


Run 6: Statistics of Copa

Start at: 2018-08-22 13:22:23
End at: 2018-08-22 13:22:53
Local clock offset: 0.571 ms
Remote clock offset: -39.421 ms

Below is generated by plot.py at 2018-08-22 15:23:54
Datalink statistics
-- Total of 1 flow:
Average throughput: 178.23 Mbit/s
95th percentile per-packet one-way delay: 137.676 ms
Loss rate: 0.76%
-- Flow 1:
Average throughput: 178.23 Mbit/s
95th percentile per-packet one-way delay: 137.676 ms
Loss rate: 0.76%

Run 6: Report of Copa — Data Link

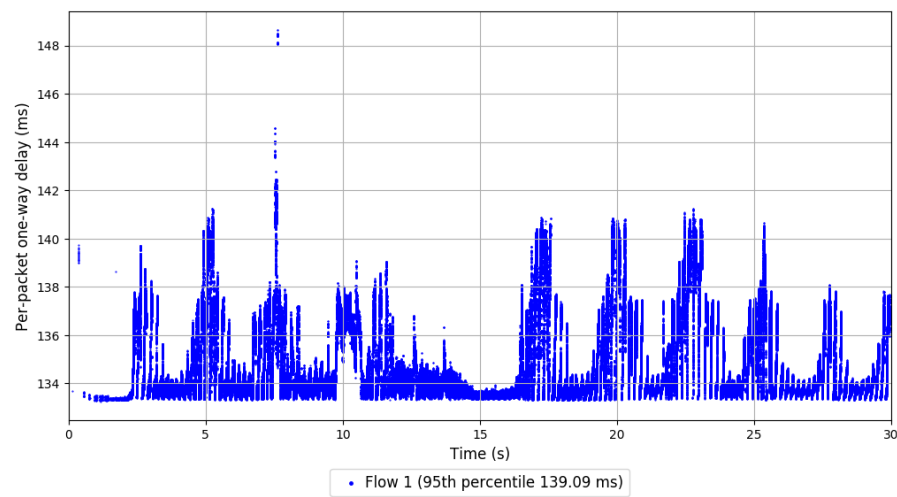
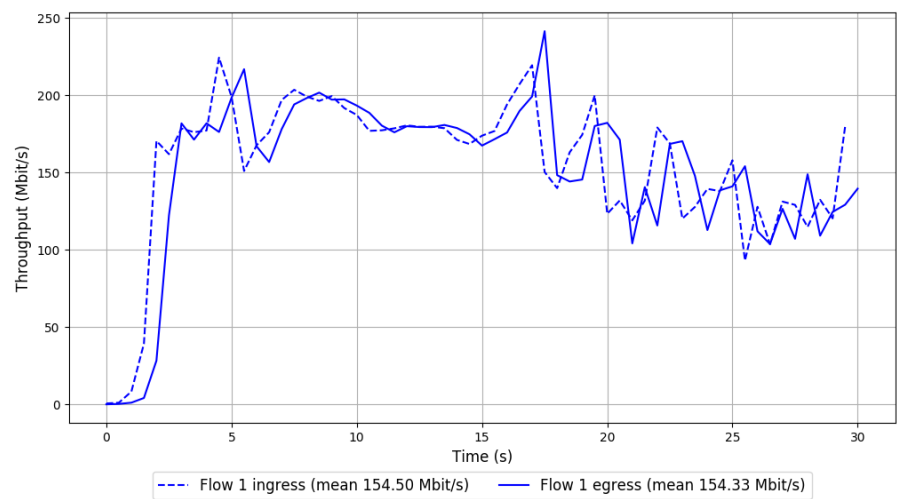


Run 7: Statistics of Copa

Start at: 2018-08-22 13:50:07
End at: 2018-08-22 13:50:37
Local clock offset: -1.237 ms
Remote clock offset: -40.985 ms

Below is generated by plot.py at 2018-08-22 15:24:43
Datalink statistics
-- Total of 1 flow:
Average throughput: 154.33 Mbit/s
95th percentile per-packet one-way delay: 139.087 ms
Loss rate: 0.75%
-- Flow 1:
Average throughput: 154.33 Mbit/s
95th percentile per-packet one-way delay: 139.087 ms
Loss rate: 0.75%

Run 7: Report of Copa — Data Link

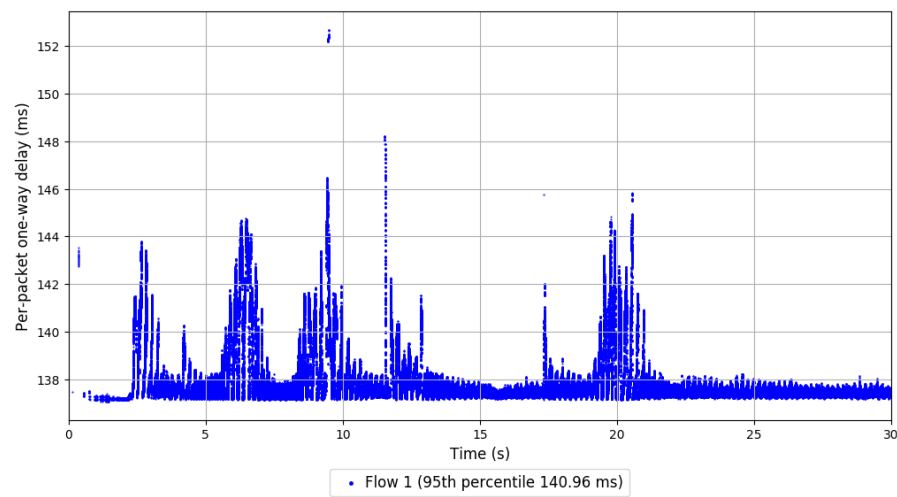
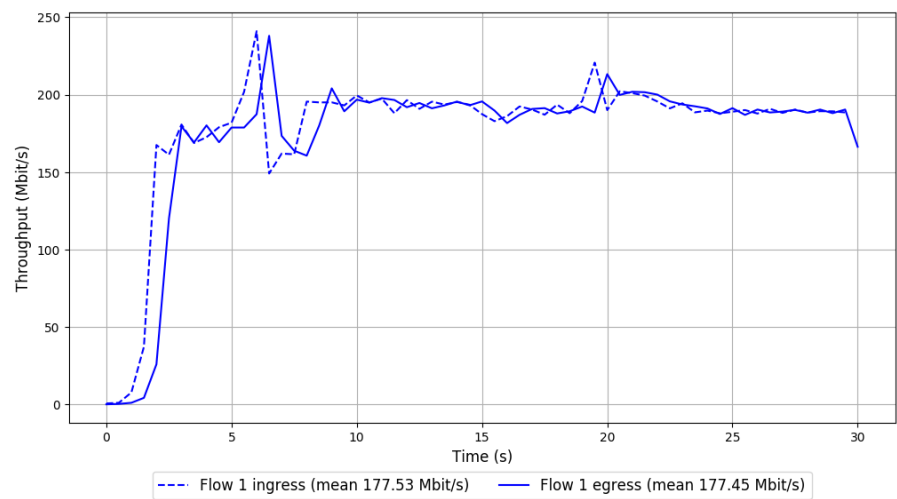


Run 8: Statistics of Copa

Start at: 2018-08-22 14:12:04
End at: 2018-08-22 14:12:34
Local clock offset: -2.694 ms
Remote clock offset: -47.409 ms

Below is generated by plot.py at 2018-08-22 15:25:16
Datalink statistics
-- Total of 1 flow:
Average throughput: 177.45 Mbit/s
95th percentile per-packet one-way delay: 140.960 ms
Loss rate: 0.69%
-- Flow 1:
Average throughput: 177.45 Mbit/s
95th percentile per-packet one-way delay: 140.960 ms
Loss rate: 0.69%

Run 8: Report of Copa — Data Link

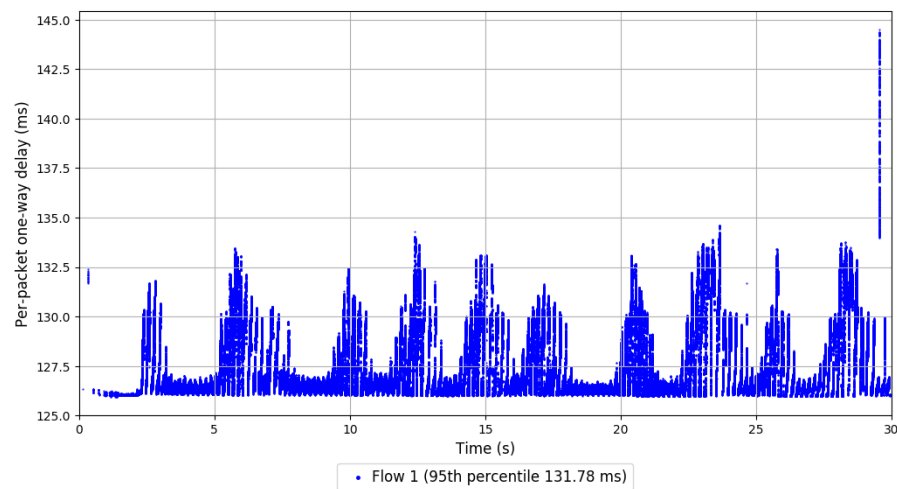
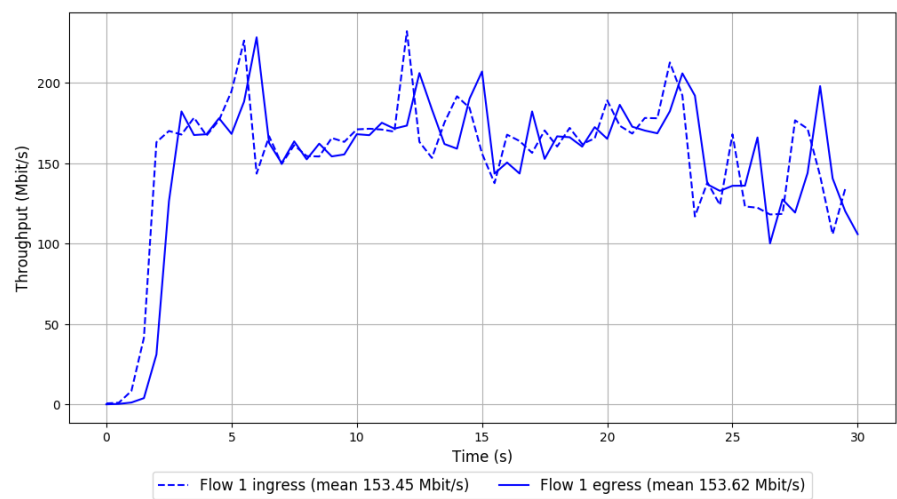


Run 9: Statistics of Copa

Start at: 2018-08-22 14:45:11
End at: 2018-08-22 14:45:41
Local clock offset: -0.812 ms
Remote clock offset: -36.109 ms

Below is generated by plot.py at 2018-08-22 15:25:51
Datalink statistics
-- Total of 1 flow:
Average throughput: 153.62 Mbit/s
95th percentile per-packet one-way delay: 131.781 ms
Loss rate: 0.53%
-- Flow 1:
Average throughput: 153.62 Mbit/s
95th percentile per-packet one-way delay: 131.781 ms
Loss rate: 0.53%

Run 9: Report of Copa — Data Link

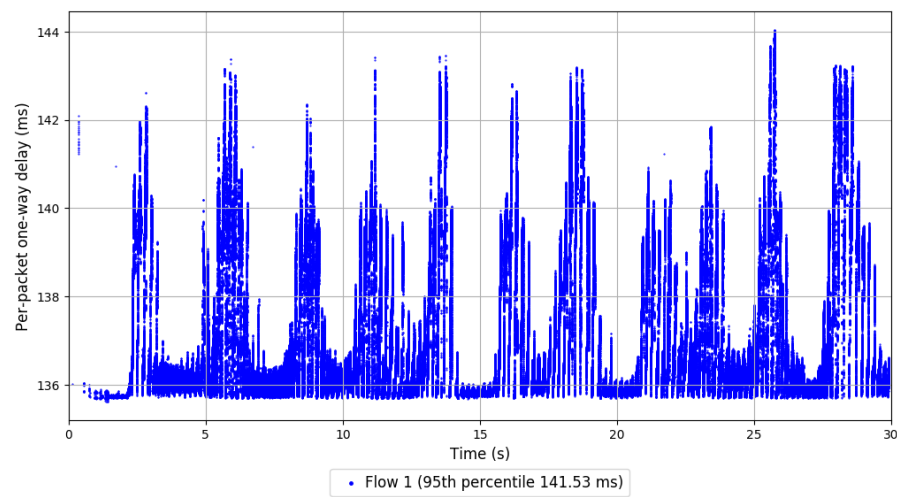
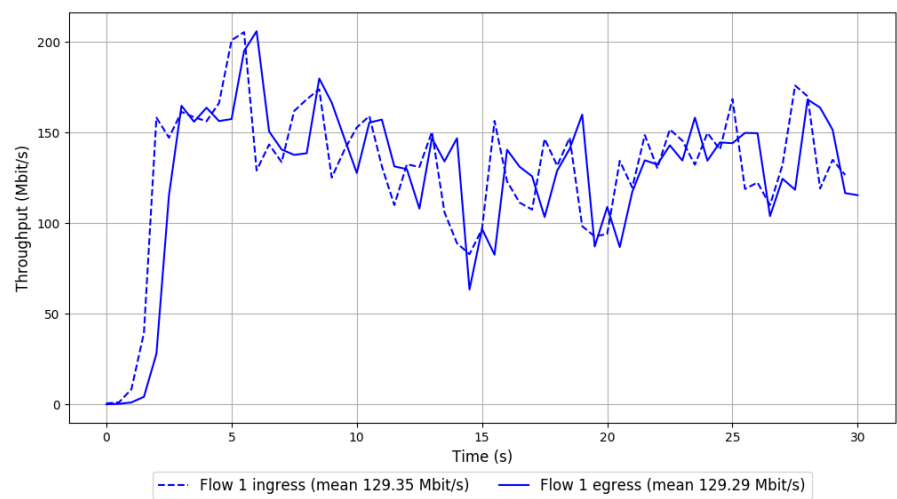


Run 10: Statistics of Copa

Start at: 2018-08-22 15:06:58
End at: 2018-08-22 15:07:28
Local clock offset: 2.434 ms
Remote clock offset: -42.595 ms

Below is generated by plot.py at 2018-08-22 15:25:51
Datalink statistics
-- Total of 1 flow:
Average throughput: 129.29 Mbit/s
95th percentile per-packet one-way delay: 141.534 ms
Loss rate: 0.69%
-- Flow 1:
Average throughput: 129.29 Mbit/s
95th percentile per-packet one-way delay: 141.534 ms
Loss rate: 0.69%

Run 10: Report of Copa — Data Link

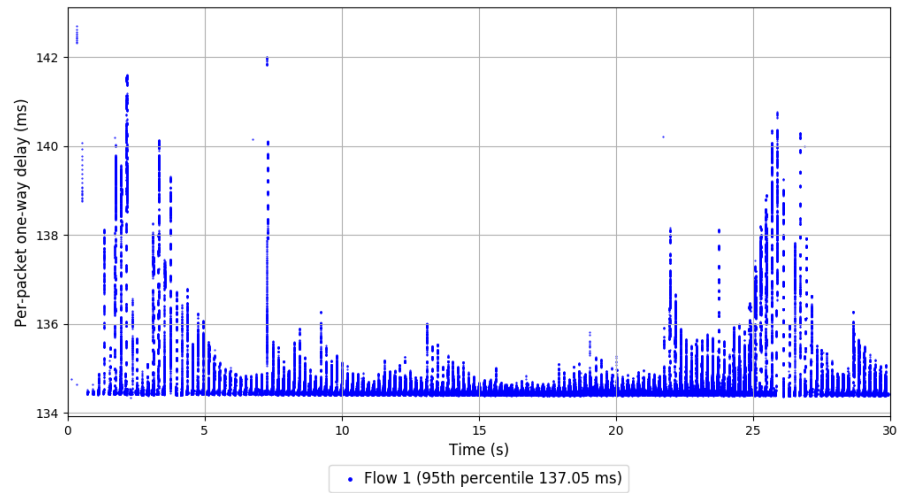
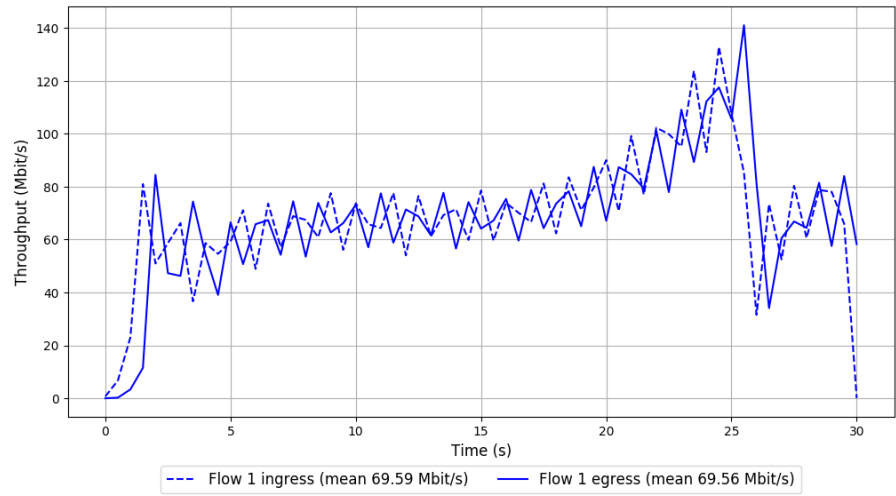


Run 1: Statistics of TCP Cubic

Start at: 2018-08-22 11:20:14
End at: 2018-08-22 11:20:44
Local clock offset: 1.431 ms
Remote clock offset: -37.907 ms

Below is generated by plot.py at 2018-08-22 15:25:51
Datalink statistics
-- Total of 1 flow:
Average throughput: 69.56 Mbit/s
95th percentile per-packet one-way delay: 137.046 ms
Loss rate: 0.70%
-- Flow 1:
Average throughput: 69.56 Mbit/s
95th percentile per-packet one-way delay: 137.046 ms
Loss rate: 0.70%

Run 1: Report of TCP Cubic — Data Link

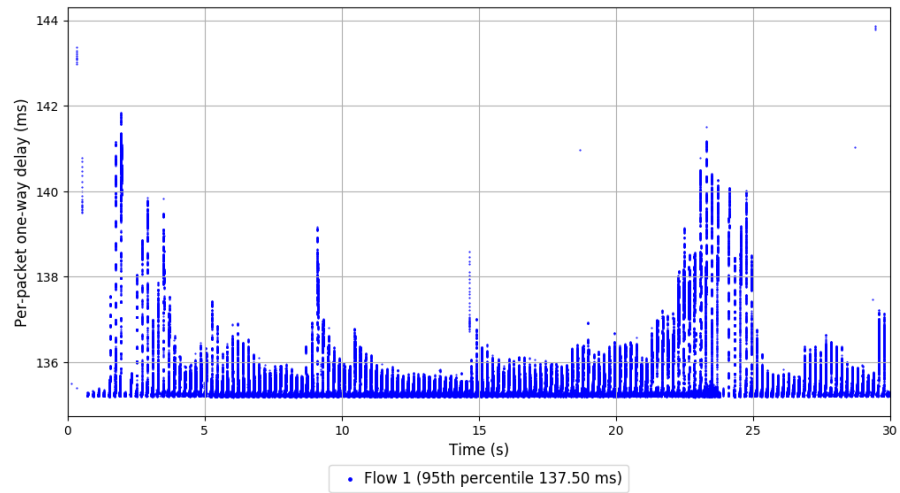
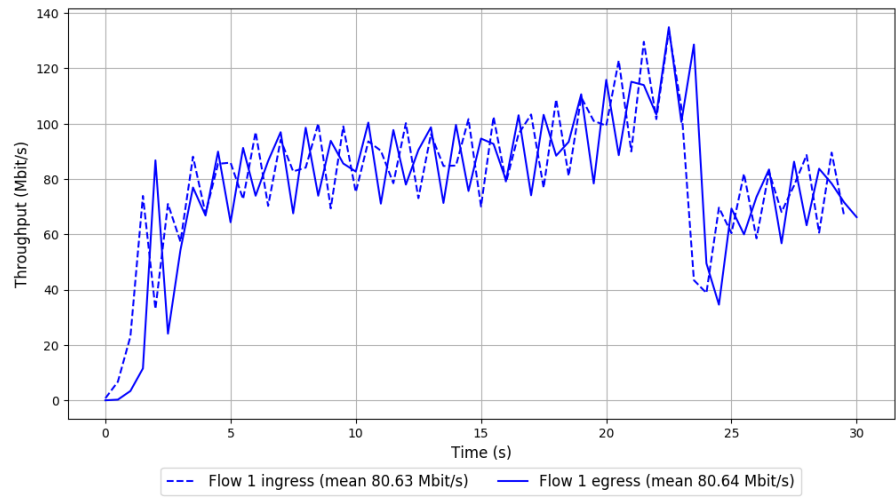


Run 2: Statistics of TCP Cubic

Start at: 2018-08-22 11:42:06
End at: 2018-08-22 11:42:36
Local clock offset: 1.744 ms
Remote clock offset: -38.678 ms

Below is generated by plot.py at 2018-08-22 15:25:51
Datalink statistics
-- Total of 1 flow:
Average throughput: 80.64 Mbit/s
95th percentile per-packet one-way delay: 137.503 ms
Loss rate: 0.63%
-- Flow 1:
Average throughput: 80.64 Mbit/s
95th percentile per-packet one-way delay: 137.503 ms
Loss rate: 0.63%

Run 2: Report of TCP Cubic — Data Link

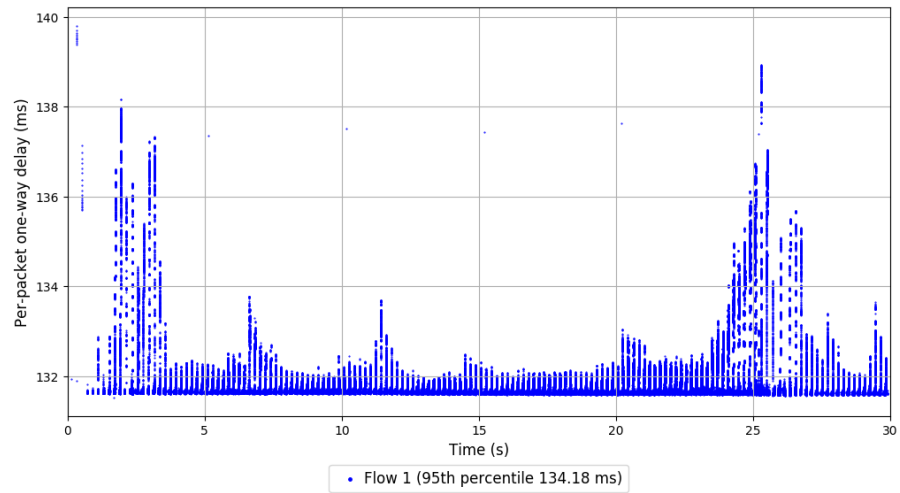
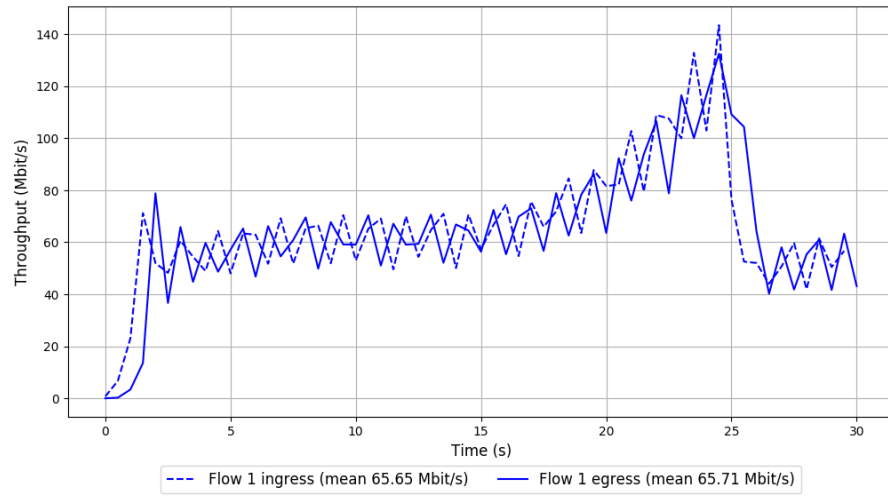


Run 3: Statistics of TCP Cubic

Start at: 2018-08-22 12:09:34
End at: 2018-08-22 12:10:04
Local clock offset: 0.543 ms
Remote clock offset: -37.638 ms

Below is generated by plot.py at 2018-08-22 15:25:51
Datalink statistics
-- Total of 1 flow:
Average throughput: 65.71 Mbit/s
95th percentile per-packet one-way delay: 134.175 ms
Loss rate: 0.55%
-- Flow 1:
Average throughput: 65.71 Mbit/s
95th percentile per-packet one-way delay: 134.175 ms
Loss rate: 0.55%

Run 3: Report of TCP Cubic — Data Link

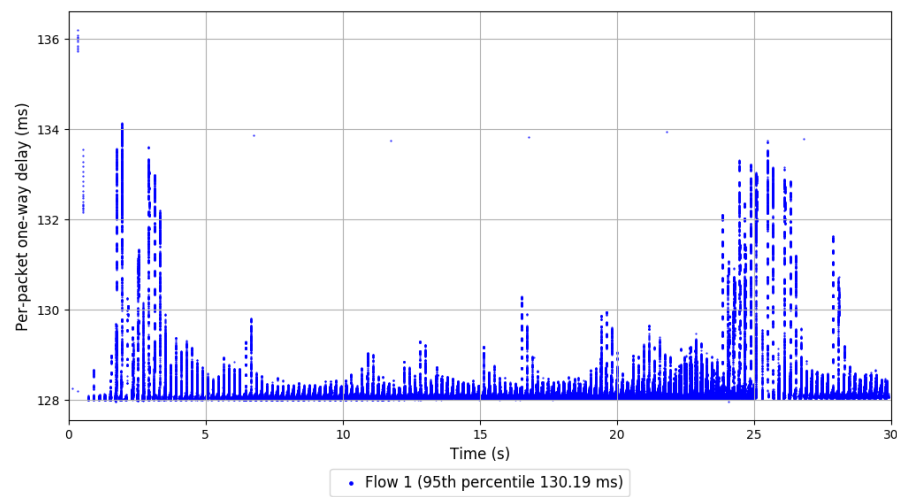
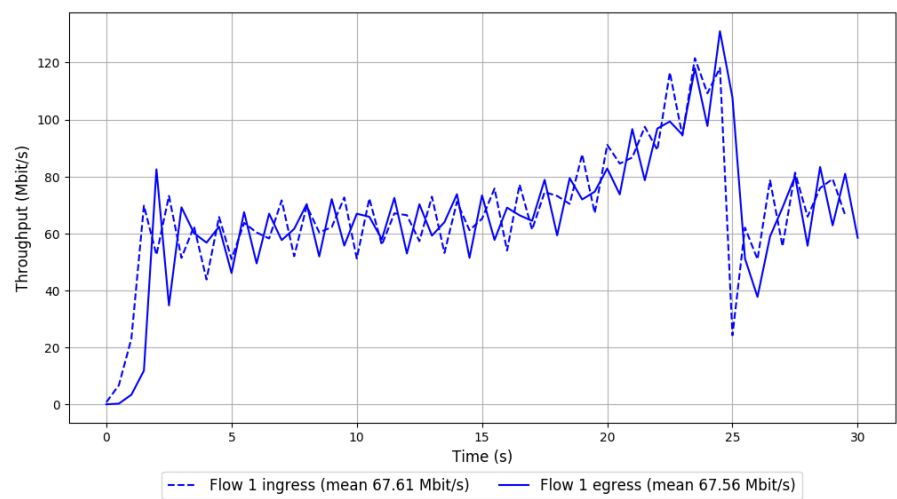


Run 4: Statistics of TCP Cubic

Start at: 2018-08-22 12:37:15
End at: 2018-08-22 12:37:45
Local clock offset: 1.098 ms
Remote clock offset: -33.083 ms

Below is generated by plot.py at 2018-08-22 15:25:51
Datalink statistics
-- Total of 1 flow:
Average throughput: 67.56 Mbit/s
95th percentile per-packet one-way delay: 130.195 ms
Loss rate: 0.72%
-- Flow 1:
Average throughput: 67.56 Mbit/s
95th percentile per-packet one-way delay: 130.195 ms
Loss rate: 0.72%

Run 4: Report of TCP Cubic — Data Link

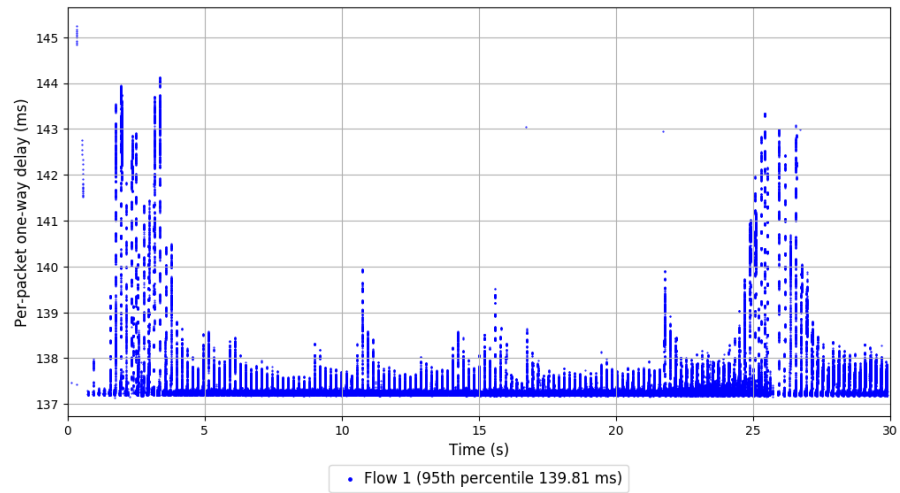
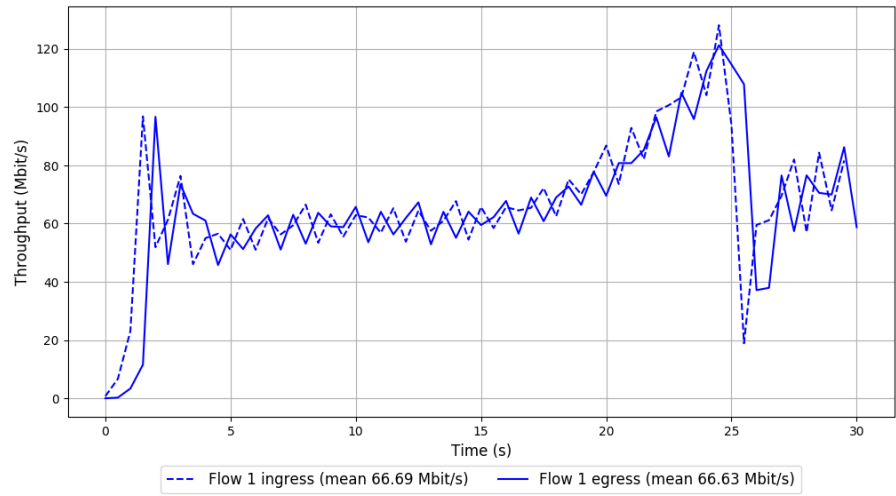


Run 5: Statistics of TCP Cubic

Start at: 2018-08-22 12:58:58
End at: 2018-08-22 12:59:28
Local clock offset: 3.365 ms
Remote clock offset: -39.554 ms

Below is generated by plot.py at 2018-08-22 15:25:51
Datalink statistics
-- Total of 1 flow:
Average throughput: 66.63 Mbit/s
95th percentile per-packet one-way delay: 139.811 ms
Loss rate: 0.74%
-- Flow 1:
Average throughput: 66.63 Mbit/s
95th percentile per-packet one-way delay: 139.811 ms
Loss rate: 0.74%

Run 5: Report of TCP Cubic — Data Link

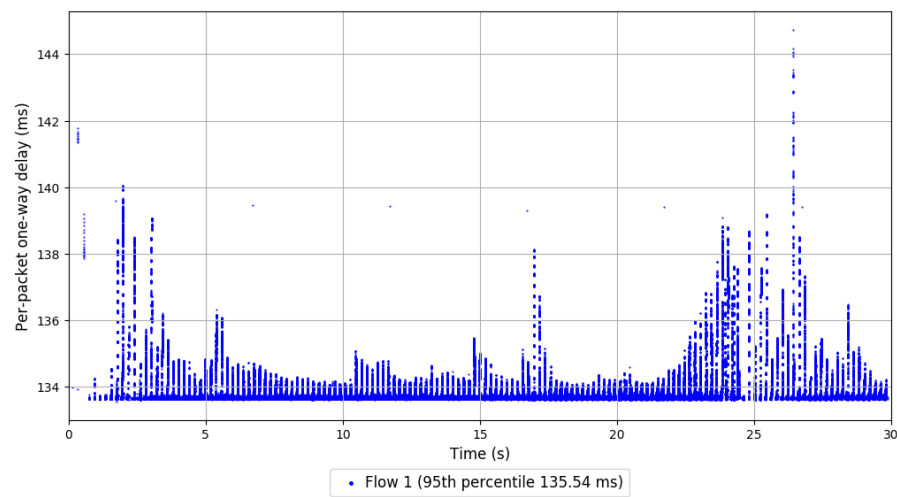
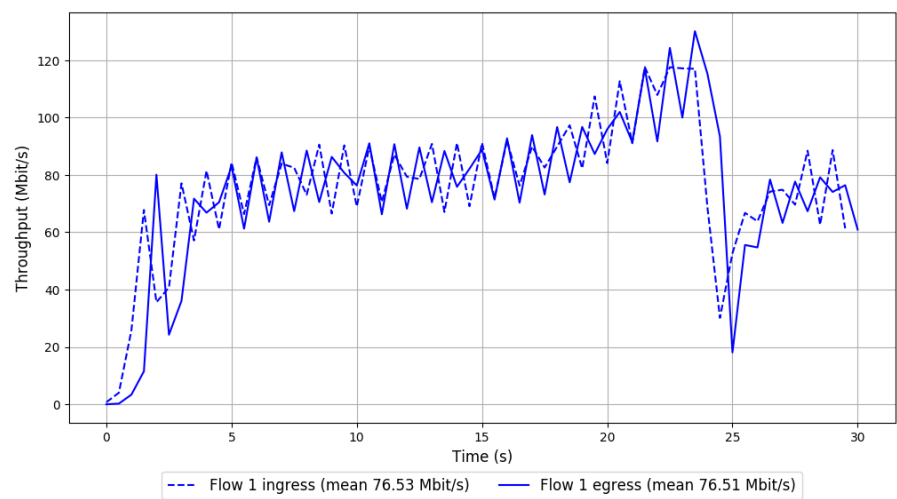


Run 6: Statistics of TCP Cubic

Start at: 2018-08-22 13:26:25
End at: 2018-08-22 13:26:55
Local clock offset: 0.539 ms
Remote clock offset: -39.375 ms

Below is generated by plot.py at 2018-08-22 15:25:51
Datalink statistics
-- Total of 1 flow:
Average throughput: 76.51 Mbit/s
95th percentile per-packet one-way delay: 135.537 ms
Loss rate: 0.67%
-- Flow 1:
Average throughput: 76.51 Mbit/s
95th percentile per-packet one-way delay: 135.537 ms
Loss rate: 0.67%

Run 6: Report of TCP Cubic — Data Link

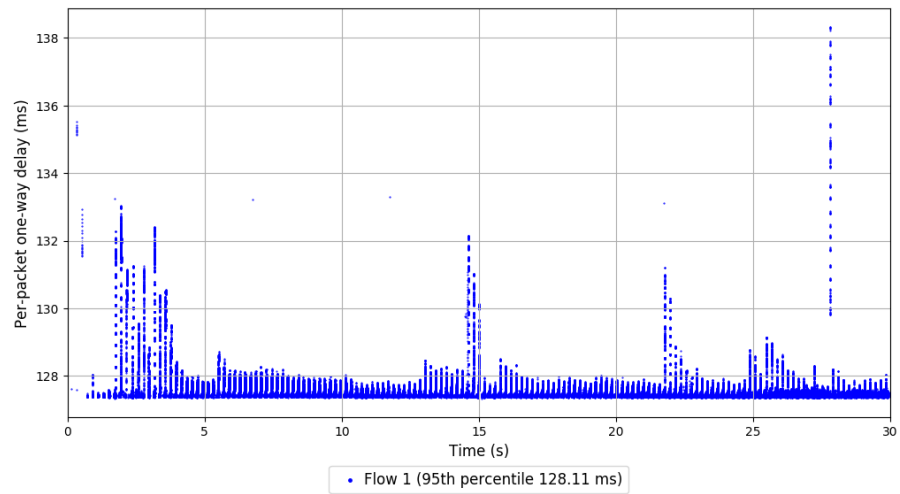
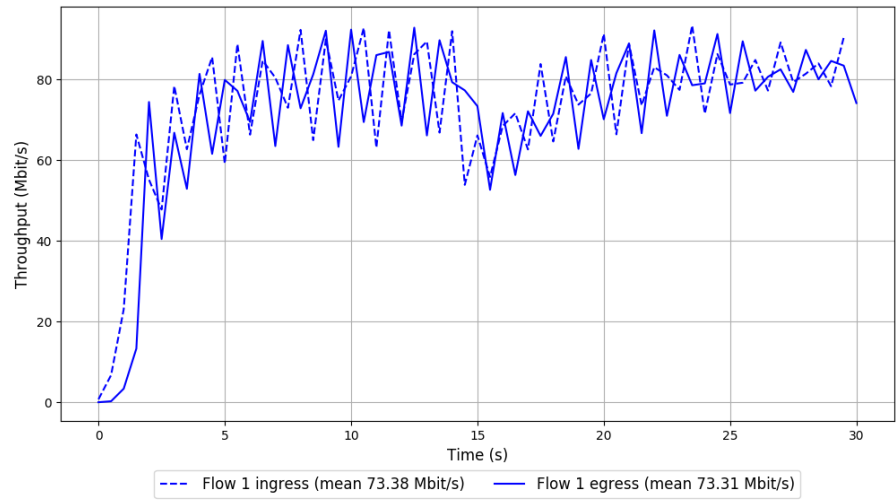


Run 7: Statistics of TCP Cubic

Start at: 2018-08-22 13:54:00
End at: 2018-08-22 13:54:30
Local clock offset: -3.741 ms
Remote clock offset: -37.58 ms

Below is generated by plot.py at 2018-08-22 15:25:51
Datalink statistics
-- Total of 1 flow:
Average throughput: 73.31 Mbit/s
95th percentile per-packet one-way delay: 128.111 ms
Loss rate: 0.74%
-- Flow 1:
Average throughput: 73.31 Mbit/s
95th percentile per-packet one-way delay: 128.111 ms
Loss rate: 0.74%

Run 7: Report of TCP Cubic — Data Link

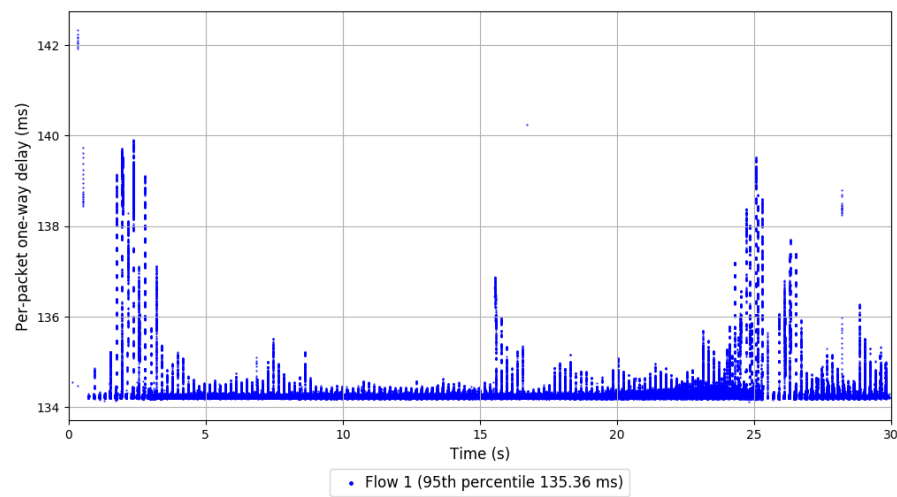
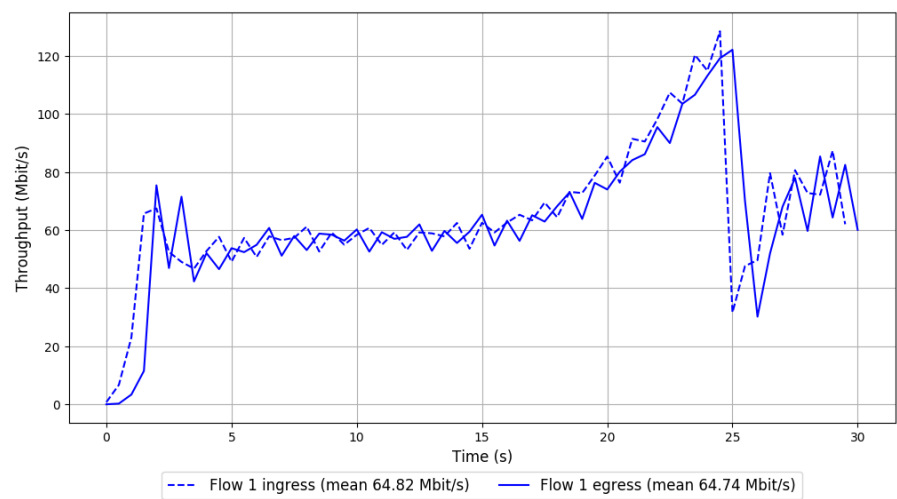


Run 8: Statistics of TCP Cubic

Start at: 2018-08-22 14:15:58
End at: 2018-08-22 14:16:28
Local clock offset: -0.932 ms
Remote clock offset: -41.472 ms

Below is generated by plot.py at 2018-08-22 15:25:51
Datalink statistics
-- Total of 1 flow:
Average throughput: 64.74 Mbit/s
95th percentile per-packet one-way delay: 135.358 ms
Loss rate: 0.77%
-- Flow 1:
Average throughput: 64.74 Mbit/s
95th percentile per-packet one-way delay: 135.358 ms
Loss rate: 0.77%

Run 8: Report of TCP Cubic — Data Link

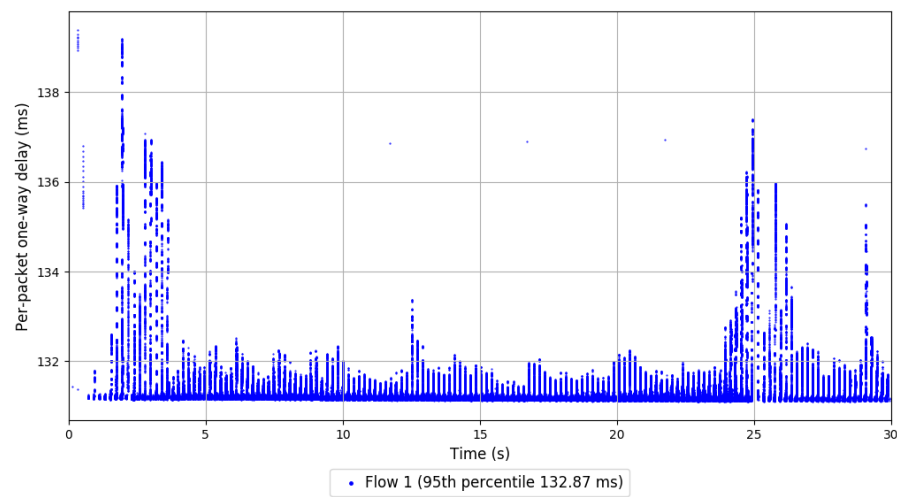
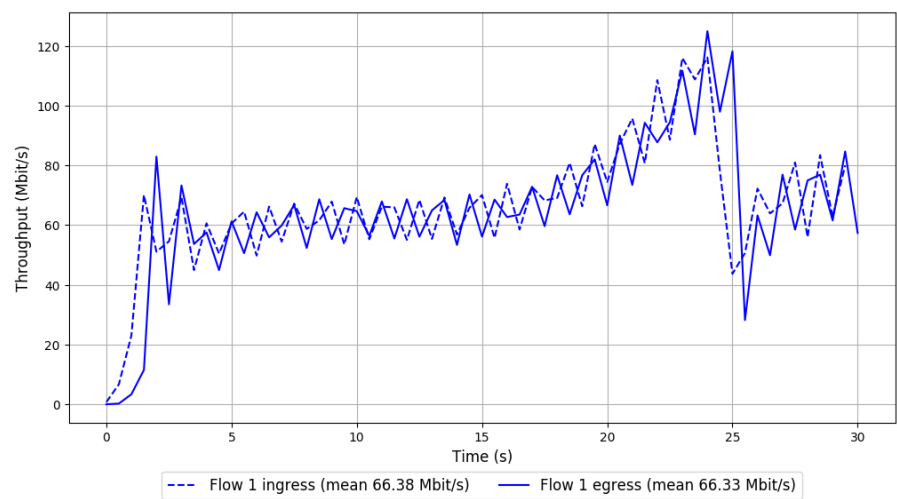


Run 9: Statistics of TCP Cubic

Start at: 2018-08-22 14:49:01
End at: 2018-08-22 14:49:31
Local clock offset: -2.438 ms
Remote clock offset: -42.006 ms

Below is generated by plot.py at 2018-08-22 15:25:51
Datalink statistics
-- Total of 1 flow:
Average throughput: 66.33 Mbit/s
95th percentile per-packet one-way delay: 132.865 ms
Loss rate: 0.72%
-- Flow 1:
Average throughput: 66.33 Mbit/s
95th percentile per-packet one-way delay: 132.865 ms
Loss rate: 0.72%

Run 9: Report of TCP Cubic — Data Link

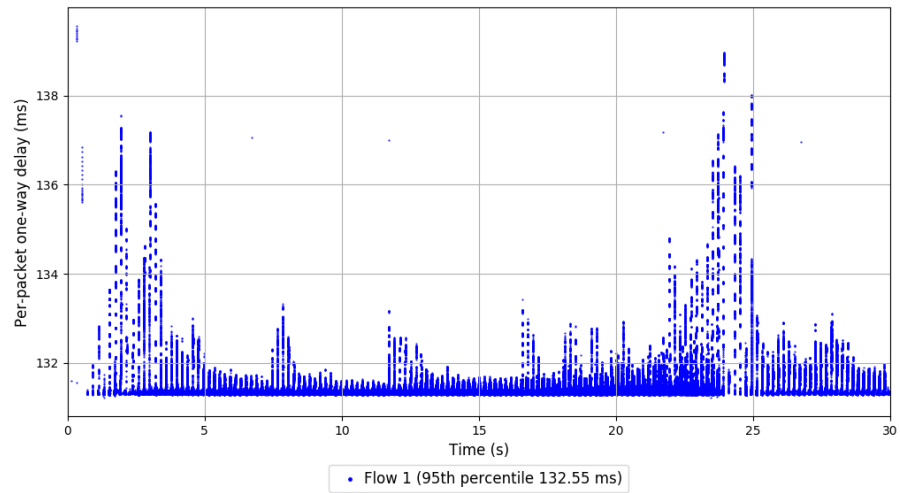
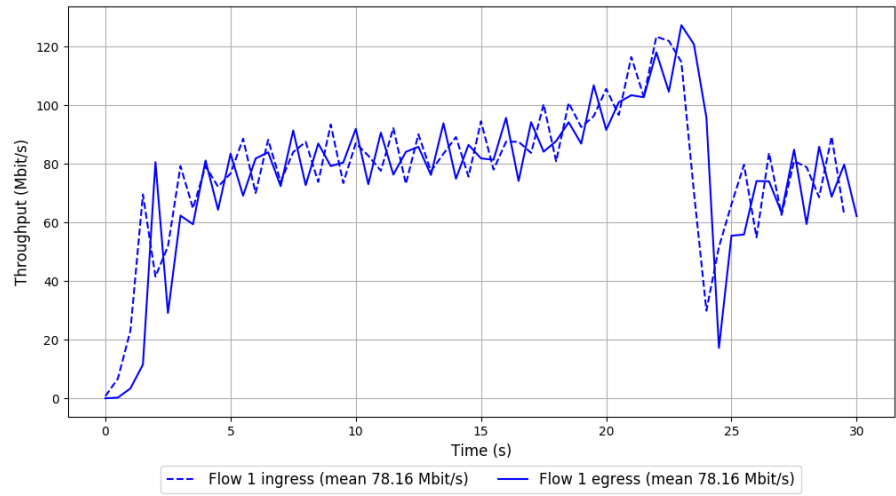


Run 10: Statistics of TCP Cubic

Start at: 2018-08-22 15:10:58
End at: 2018-08-22 15:11:28
Local clock offset: -1.765 ms
Remote clock offset: -42.488 ms

Below is generated by plot.py at 2018-08-22 15:25:51
Datalink statistics
-- Total of 1 flow:
Average throughput: 78.16 Mbit/s
95th percentile per-packet one-way delay: 132.547 ms
Loss rate: 0.64%
-- Flow 1:
Average throughput: 78.16 Mbit/s
95th percentile per-packet one-way delay: 132.547 ms
Loss rate: 0.64%

Run 10: Report of TCP Cubic — Data Link

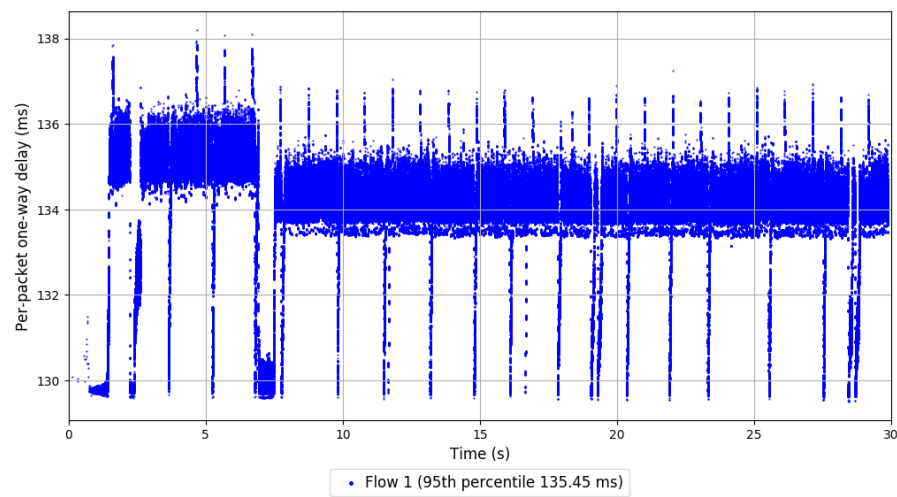
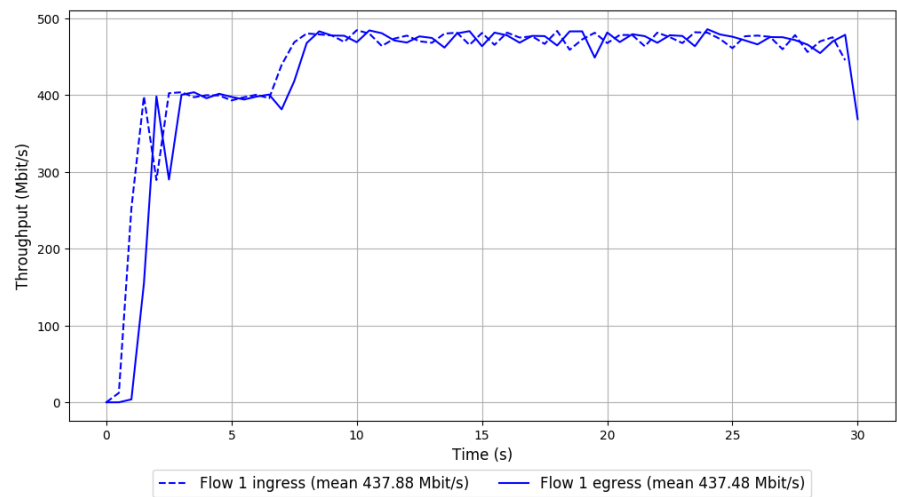


Run 1: Statistics of FillP

Start at: 2018-08-22 11:08:25
End at: 2018-08-22 11:08:55
Local clock offset: -1.143 ms
Remote clock offset: -35.587 ms

Below is generated by plot.py at 2018-08-22 15:31:10
Datalink statistics
-- Total of 1 flow:
Average throughput: 437.48 Mbit/s
95th percentile per-packet one-way delay: 135.448 ms
Loss rate: 0.83%
-- Flow 1:
Average throughput: 437.48 Mbit/s
95th percentile per-packet one-way delay: 135.448 ms
Loss rate: 0.83%

Run 1: Report of FillP — Data Link

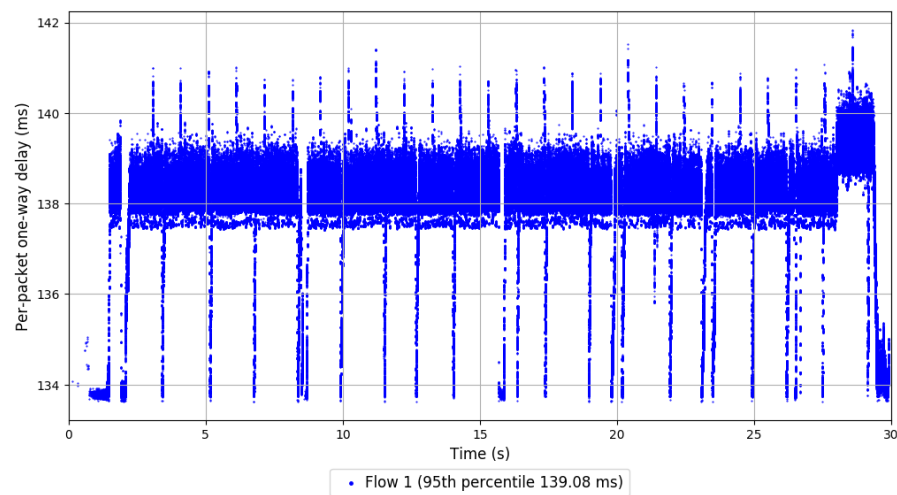
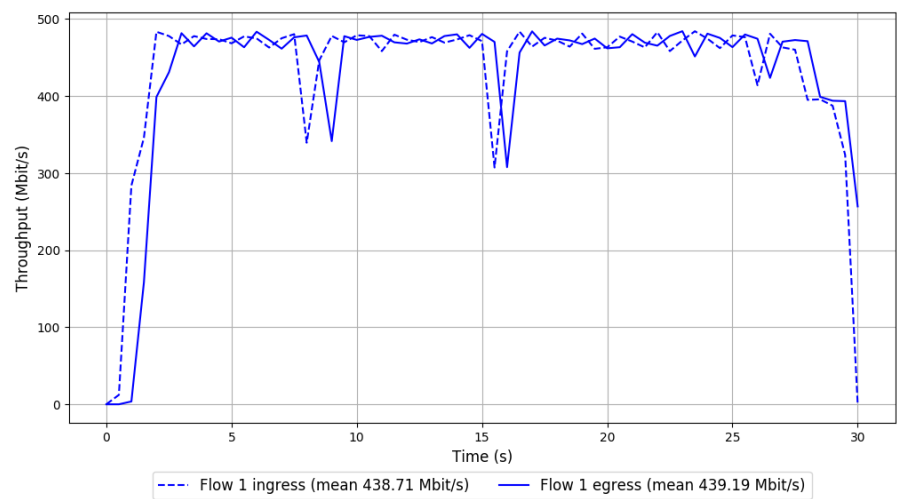


Run 2: Statistics of FillP

Start at: 2018-08-22 11:30:39
End at: 2018-08-22 11:31:09
Local clock offset: 1.722 ms
Remote clock offset: -38.454 ms

Below is generated by plot.py at 2018-08-22 15:31:18
Datalink statistics
-- Total of 1 flow:
Average throughput: 439.19 Mbit/s
95th percentile per-packet one-way delay: 139.081 ms
Loss rate: 0.65%
-- Flow 1:
Average throughput: 439.19 Mbit/s
95th percentile per-packet one-way delay: 139.081 ms
Loss rate: 0.65%

Run 2: Report of FillP — Data Link

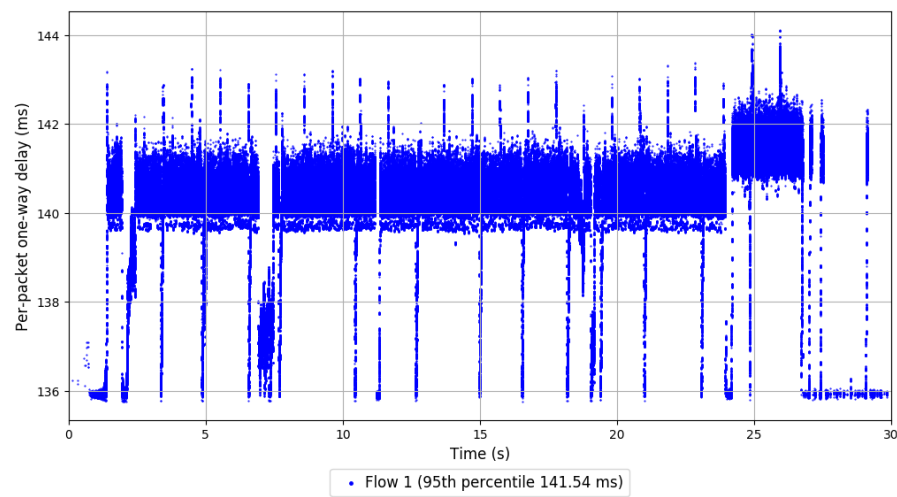
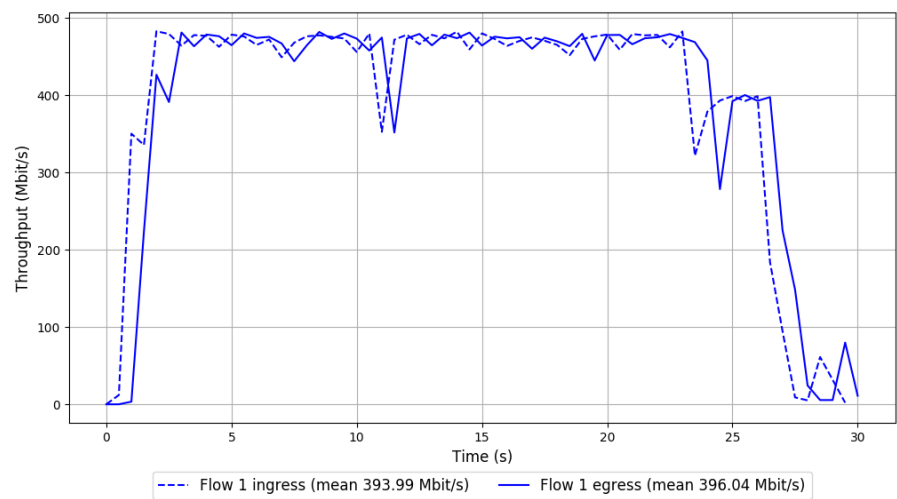


Run 3: Statistics of FillP

Start at: 2018-08-22 11:52:29
End at: 2018-08-22 11:52:59
Local clock offset: 3.793 ms
Remote clock offset: -38.312 ms

Below is generated by plot.py at 2018-08-22 15:31:18
Datalink statistics
-- Total of 1 flow:
Average throughput: 396.04 Mbit/s
95th percentile per-packet one-way delay: 141.539 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 396.04 Mbit/s
95th percentile per-packet one-way delay: 141.539 ms
Loss rate: 0.01%

Run 3: Report of FillP — Data Link

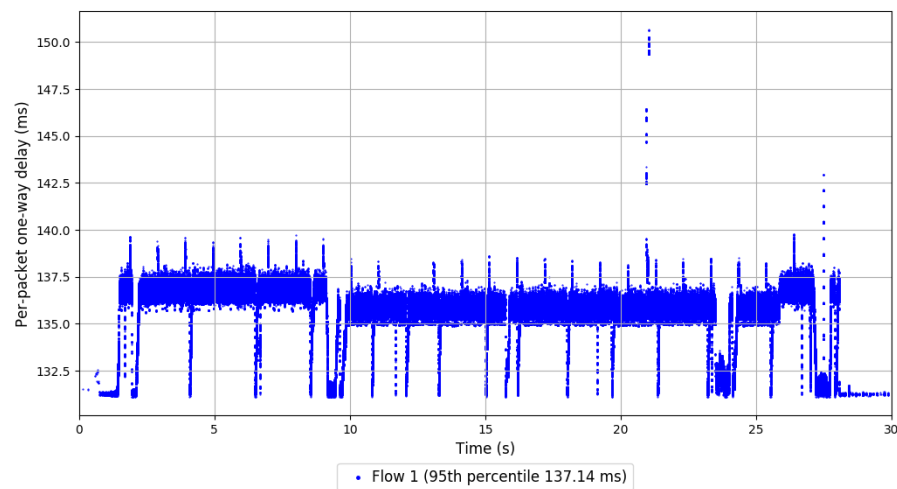
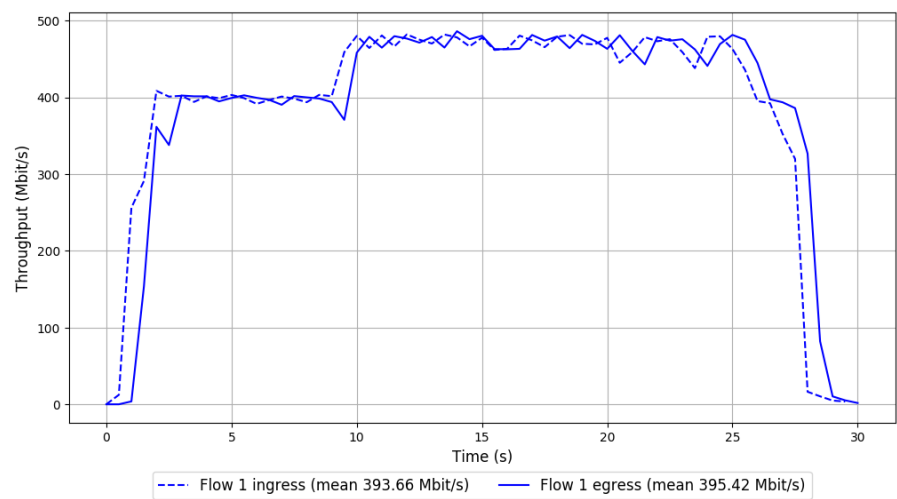


Run 4: Statistics of FillP

Start at: 2018-08-22 12:19:58
End at: 2018-08-22 12:20:28
Local clock offset: 1.913 ms
Remote clock offset: -36.295 ms

Below is generated by plot.py at 2018-08-22 15:31:18
Datalink statistics
-- Total of 1 flow:
Average throughput: 395.42 Mbit/s
95th percentile per-packet one-way delay: 137.142 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 395.42 Mbit/s
95th percentile per-packet one-way delay: 137.142 ms
Loss rate: 0.07%

Run 4: Report of FillP — Data Link

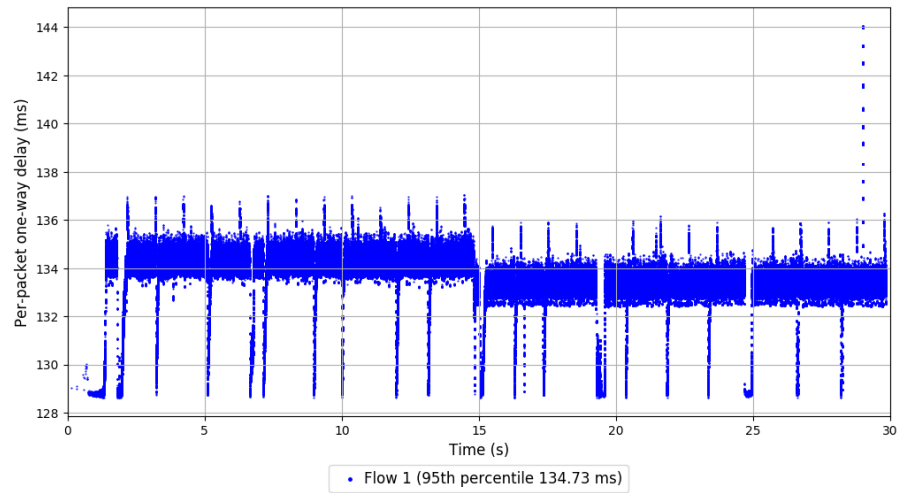
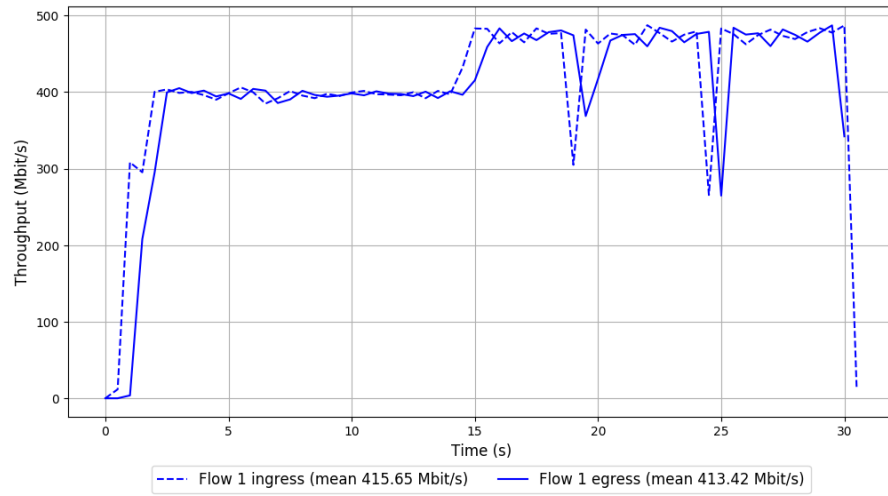


Run 5: Statistics of FillP

Start at: 2018-08-22 12:47:35
End at: 2018-08-22 12:48:05
Local clock offset: 1.056 ms
Remote clock offset: -34.431 ms

Below is generated by plot.py at 2018-08-22 15:31:18
Datalink statistics
-- Total of 1 flow:
Average throughput: 413.42 Mbit/s
95th percentile per-packet one-way delay: 134.726 ms
Loss rate: 3.08%
-- Flow 1:
Average throughput: 413.42 Mbit/s
95th percentile per-packet one-way delay: 134.726 ms
Loss rate: 3.08%

Run 5: Report of FillP — Data Link

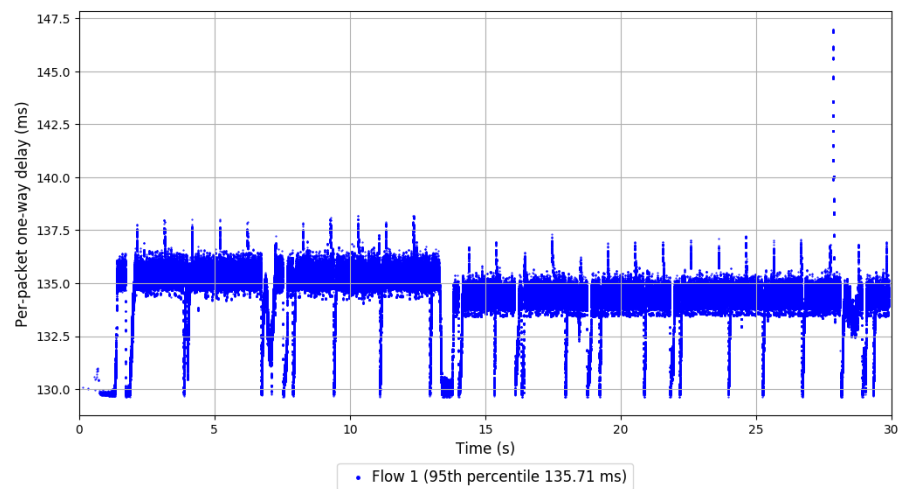
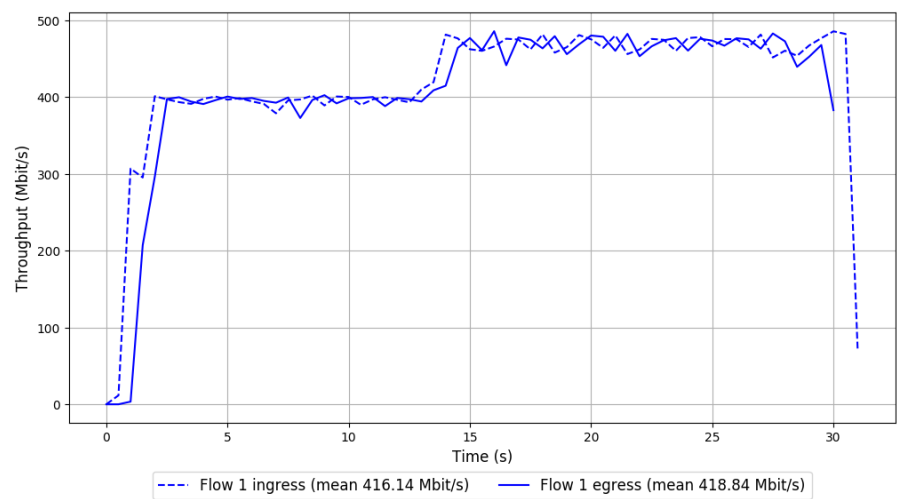


Run 6: Statistics of FillP

Start at: 2018-08-22 13:09:14
End at: 2018-08-22 13:09:44
Local clock offset: 2.714 ms
Remote clock offset: -32.955 ms

Below is generated by plot.py at 2018-08-22 15:31:18
Datalink statistics
-- Total of 1 flow:
Average throughput: 418.84 Mbit/s
95th percentile per-packet one-way delay: 135.710 ms
Loss rate: 4.81%
-- Flow 1:
Average throughput: 418.84 Mbit/s
95th percentile per-packet one-way delay: 135.710 ms
Loss rate: 4.81%

Run 6: Report of FillP — Data Link

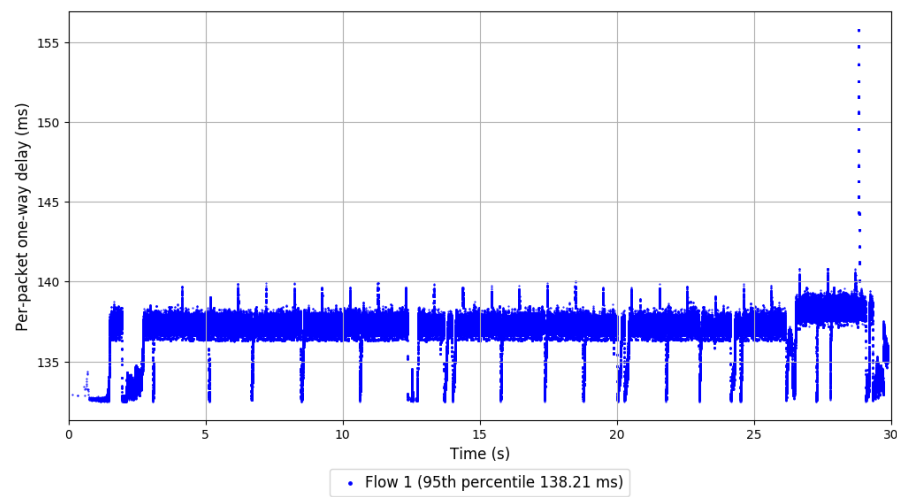
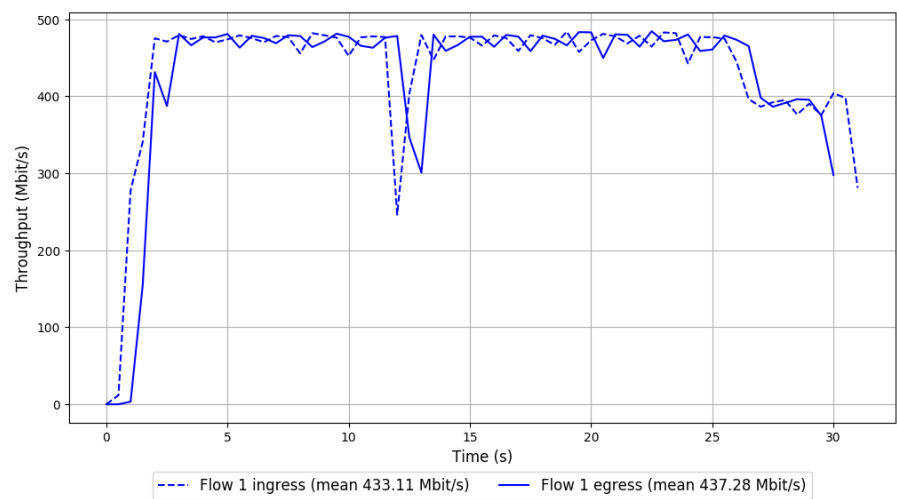


Run 7: Statistics of FillP

Start at: 2018-08-22 13:42:27
End at: 2018-08-22 13:42:57
Local clock offset: 2.074 ms
Remote clock offset: -37.057 ms

Below is generated by plot.py at 2018-08-22 15:31:41
Datalink statistics
-- Total of 1 flow:
Average throughput: 437.28 Mbit/s
95th percentile per-packet one-way delay: 138.205 ms
Loss rate: 4.65%
-- Flow 1:
Average throughput: 437.28 Mbit/s
95th percentile per-packet one-way delay: 138.205 ms
Loss rate: 4.65%

Run 7: Report of FillP — Data Link

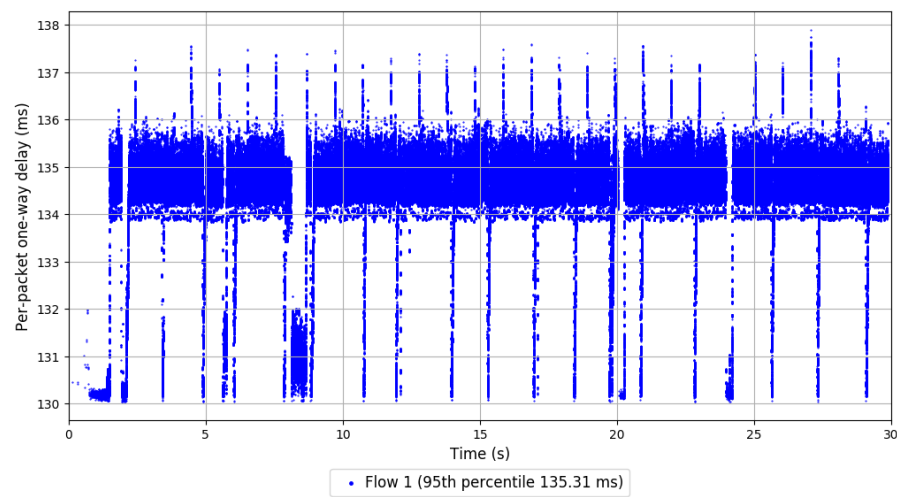
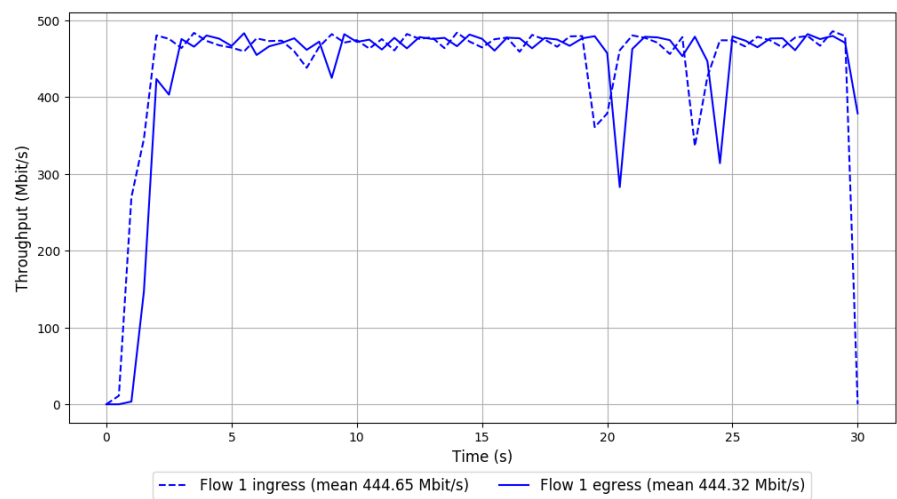


Run 8: Statistics of FillP

Start at: 2018-08-22 14:04:23
End at: 2018-08-22 14:04:53
Local clock offset: -3.457 ms
Remote clock offset: -40.197 ms

Below is generated by plot.py at 2018-08-22 15:31:55
Datalink statistics
-- Total of 1 flow:
Average throughput: 444.32 Mbit/s
95th percentile per-packet one-way delay: 135.311 ms
Loss rate: 0.87%
-- Flow 1:
Average throughput: 444.32 Mbit/s
95th percentile per-packet one-way delay: 135.311 ms
Loss rate: 0.87%

Run 8: Report of FillP — Data Link

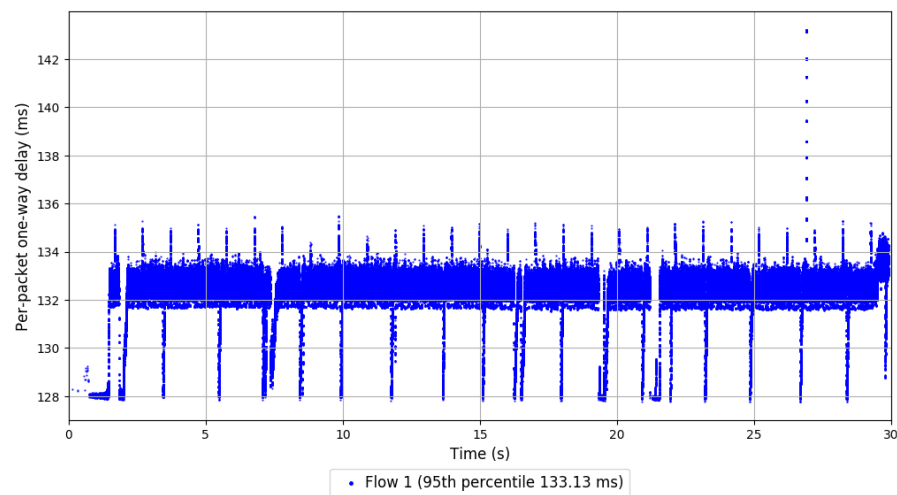
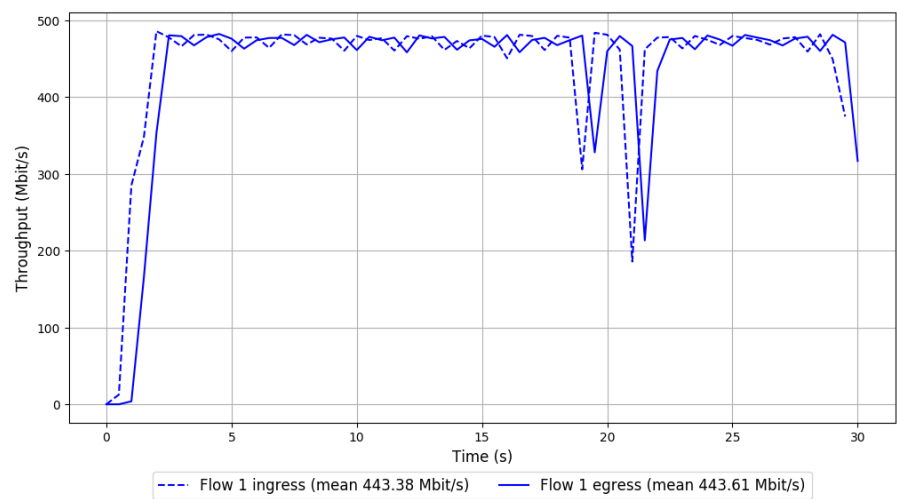


Run 9: Statistics of FillP

Start at: 2018-08-22 14:37:32
End at: 2018-08-22 14:38:02
Local clock offset: -4.59 ms
Remote clock offset: -40.58 ms

Below is generated by plot.py at 2018-08-22 15:36:51
Datalink statistics
-- Total of 1 flow:
Average throughput: 443.61 Mbit/s
95th percentile per-packet one-way delay: 133.130 ms
Loss rate: 0.61%
-- Flow 1:
Average throughput: 443.61 Mbit/s
95th percentile per-packet one-way delay: 133.130 ms
Loss rate: 0.61%

Run 9: Report of FillP — Data Link

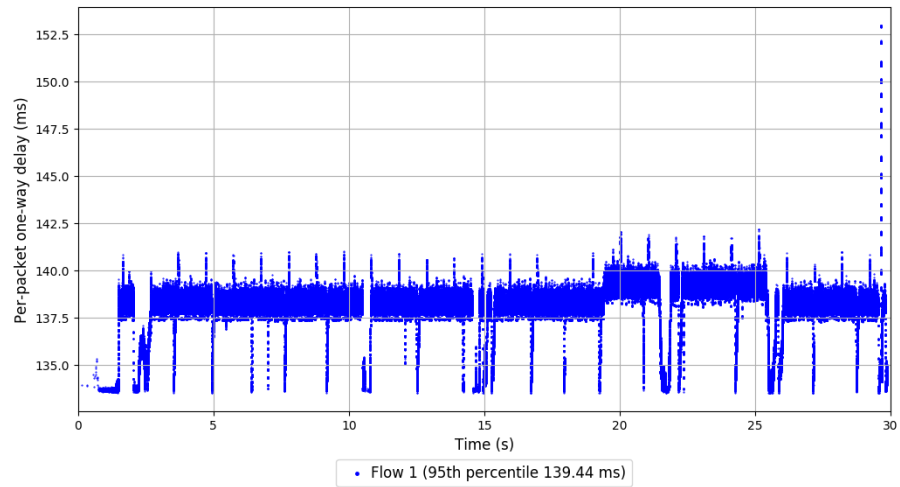
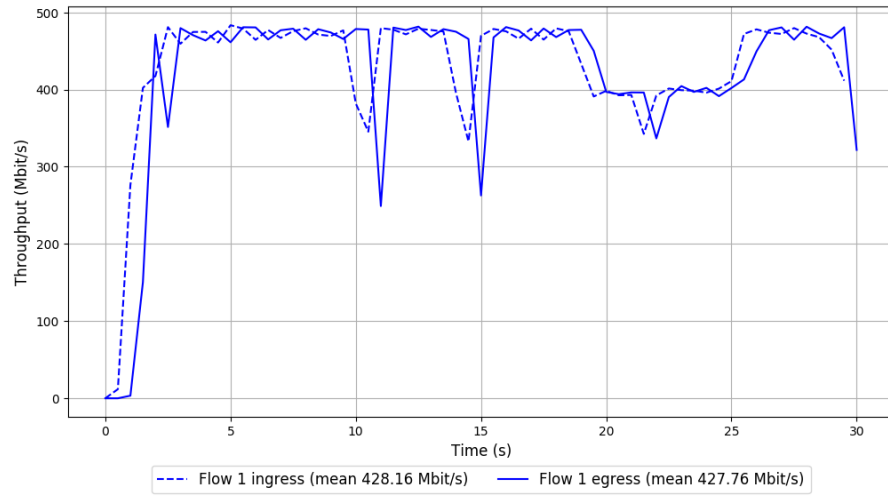


Run 10: Statistics of FillP

Start at: 2018-08-22 14:59:23
End at: 2018-08-22 14:59:53
Local clock offset: 0.192 ms
Remote clock offset: -42.464 ms

Below is generated by plot.py at 2018-08-22 15:36:51
Datalink statistics
-- Total of 1 flow:
Average throughput: 427.76 Mbit/s
95th percentile per-packet one-way delay: 139.435 ms
Loss rate: 0.76%
-- Flow 1:
Average throughput: 427.76 Mbit/s
95th percentile per-packet one-way delay: 139.435 ms
Loss rate: 0.76%

Run 10: Report of FillP — Data Link



Run 1: Statistics of FillP-Sheep

Start at: 2018-08-22 11:17:27

End at: 2018-08-22 11:17:57

Local clock offset: 2.521 ms

Remote clock offset: -34.11 ms

Below is generated by plot.py at 2018-08-22 15:37:00

Datalink statistics

-- Total of 1 flow:

Average throughput: 431.51 Mbit/s

95th percentile per-packet one-way delay: 137.596 ms

Loss rate: 1.20%

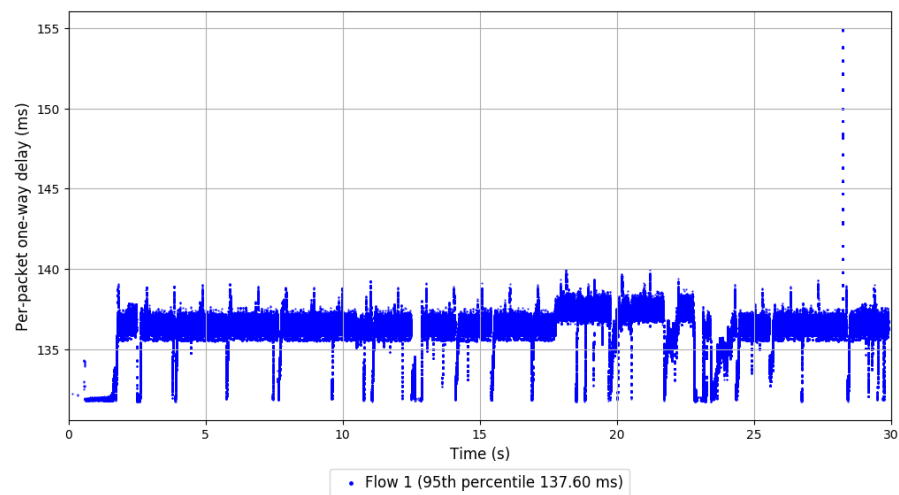
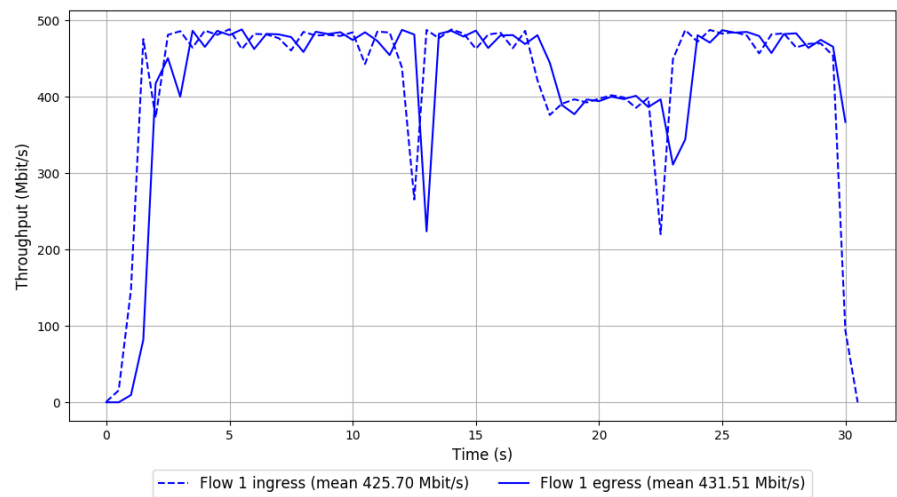
-- Flow 1:

Average throughput: 431.51 Mbit/s

95th percentile per-packet one-way delay: 137.596 ms

Loss rate: 1.20%

Run 1: Report of FillP-Sheep — Data Link

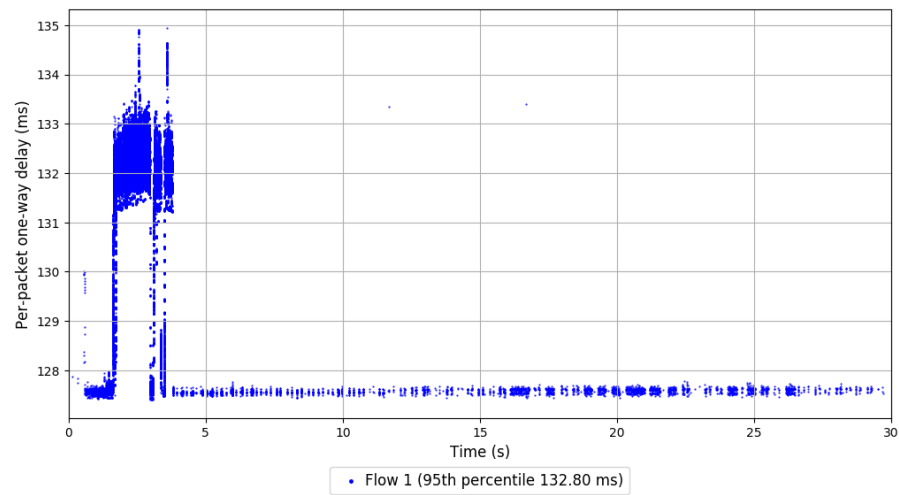
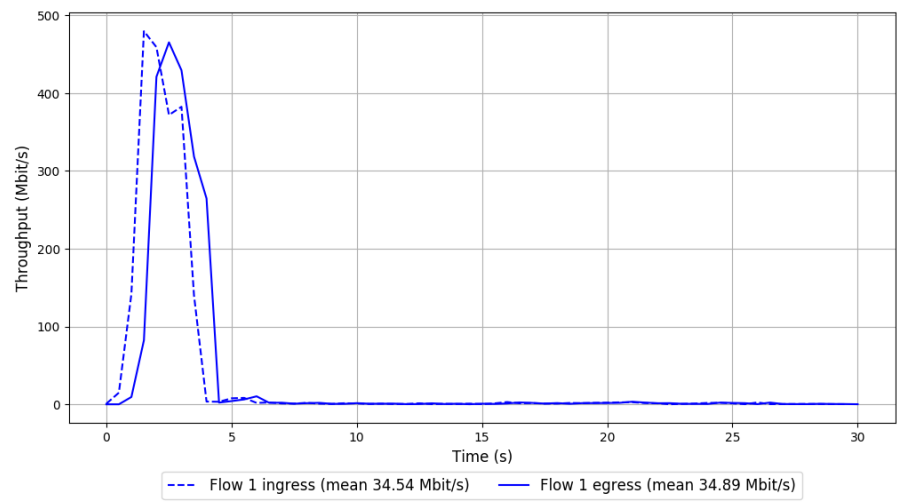


Run 2: Statistics of FillP-Sheep

Start at: 2018-08-22 11:39:39
End at: 2018-08-22 11:40:09
Local clock offset: -1.153 ms
Remote clock offset: -33.965 ms

Below is generated by plot.py at 2018-08-22 15:37:00
Datalink statistics
-- Total of 1 flow:
Average throughput: 34.89 Mbit/s
95th percentile per-packet one-way delay: 132.798 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 34.89 Mbit/s
95th percentile per-packet one-way delay: 132.798 ms
Loss rate: 0.01%

Run 2: Report of FillP-Sheep — Data Link

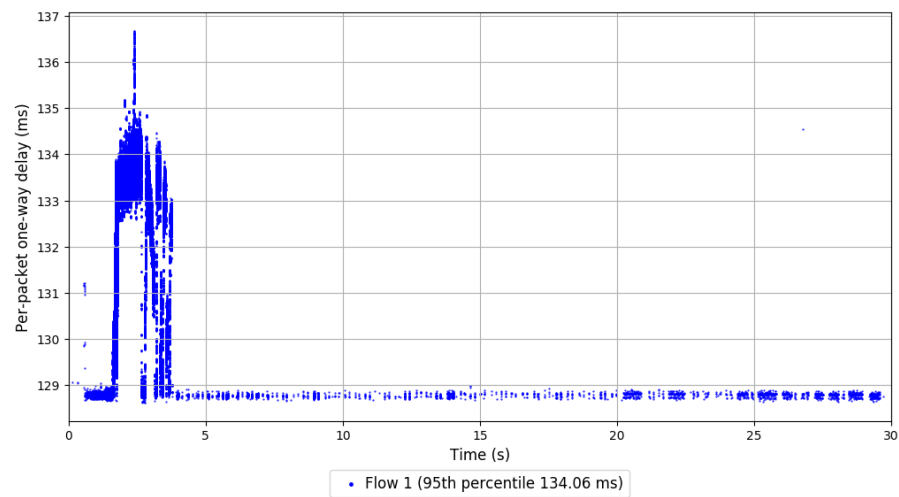
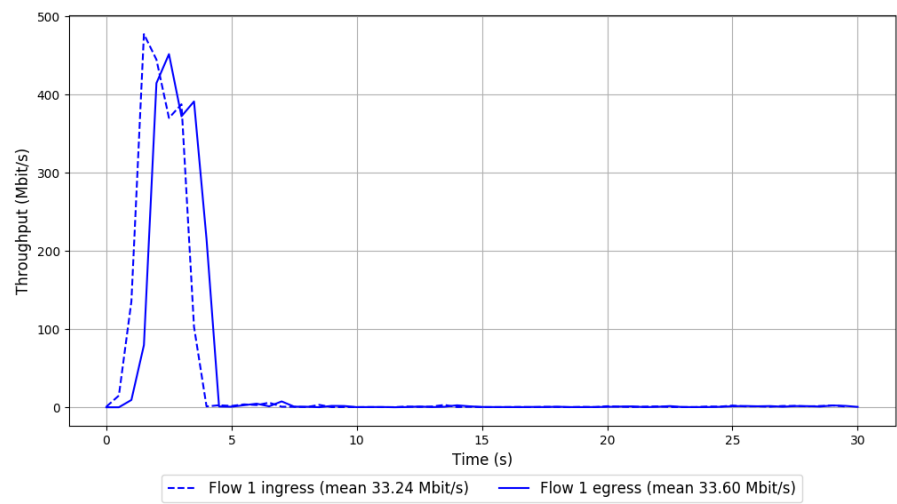


Run 3: Statistics of FillP-Sheep

Start at: 2018-08-22 12:07:07
End at: 2018-08-22 12:07:38
Local clock offset: 0.838 ms
Remote clock offset: -33.156 ms

Below is generated by plot.py at 2018-08-22 15:37:00
Datalink statistics
-- Total of 1 flow:
Average throughput: 33.60 Mbit/s
95th percentile per-packet one-way delay: 134.062 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 33.60 Mbit/s
95th percentile per-packet one-way delay: 134.062 ms
Loss rate: 0.05%

Run 3: Report of FillP-Sheep — Data Link



Run 4: Statistics of FillP-Sheep

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

End at: 2018-08-22 12:29:26

Local clock offset: 1.691 ms

Remote clock offset: -35.409 ms

Below is generated by plot.py at 2018-08-22 15:37:00

Datalink statistics

-- Total of 1 flow:

Average throughput: 405.49 Mbit/s

95th percentile per-packet one-way delay: 136.898 ms

Loss rate: 1.57%

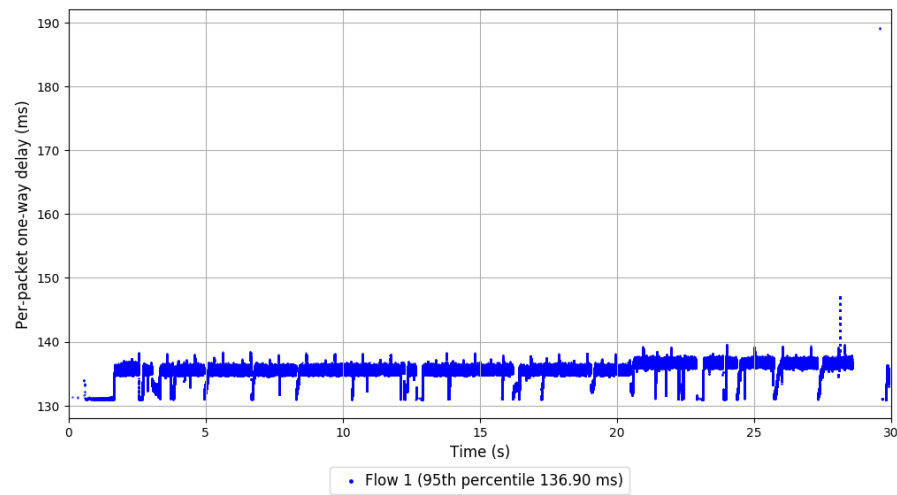
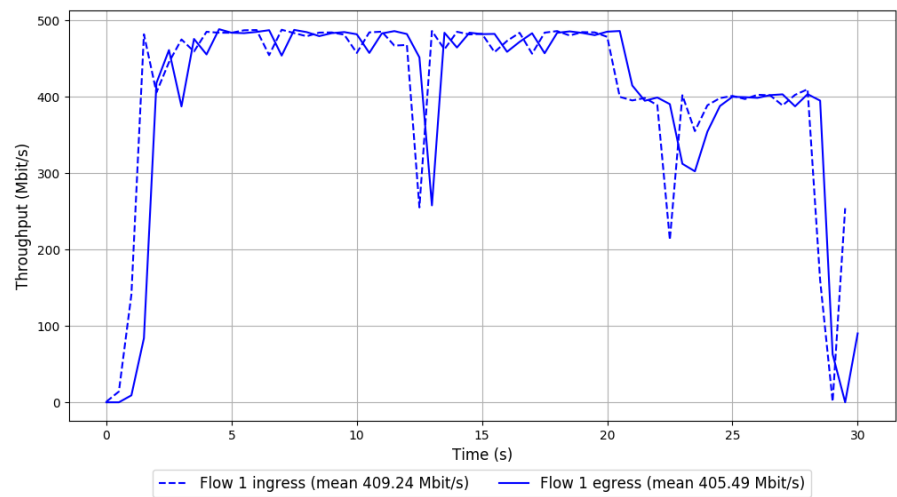
-- Flow 1:

Average throughput: 405.49 Mbit/s

95th percentile per-packet one-way delay: 136.898 ms

Loss rate: 1.57%

Run 4: Report of FillP-Sheep — Data Link



Run 5: Statistics of FillP-Sheep

Start at: 2018-08-22 12:56:27

End at: 2018-08-22 12:56:57

Local clock offset: 0.322 ms

Remote clock offset: -39.058 ms

Below is generated by plot.py at 2018-08-22 15:37:00

Datalink statistics

-- Total of 1 flow:

Average throughput: 29.25 Mbit/s

95th percentile per-packet one-way delay: 139.872 ms

Loss rate: 0.02%

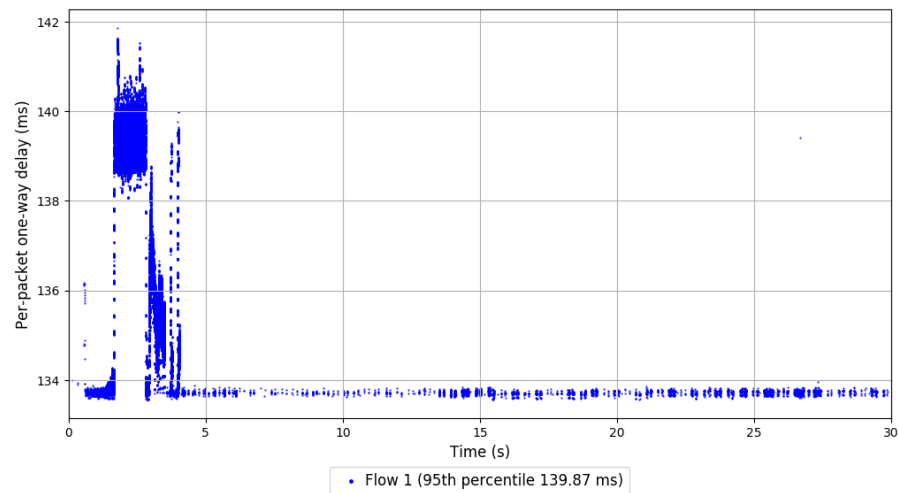
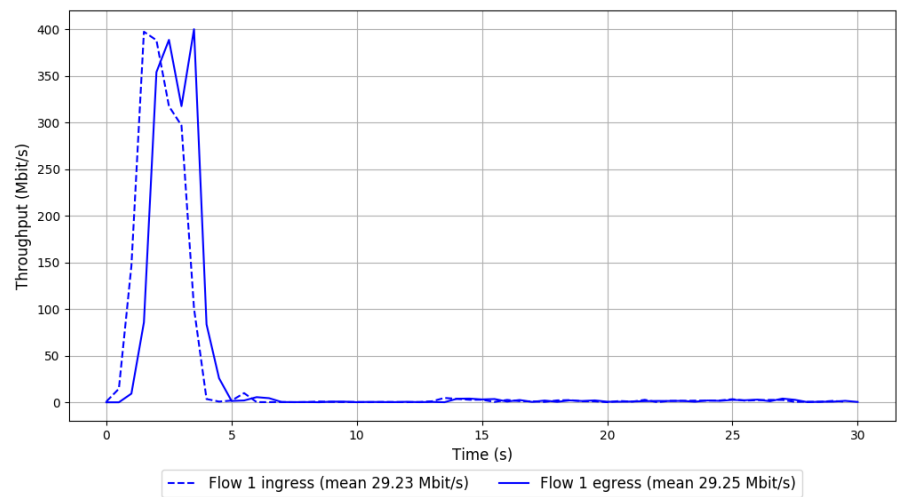
-- Flow 1:

Average throughput: 29.25 Mbit/s

95th percentile per-packet one-way delay: 139.872 ms

Loss rate: 0.02%

Run 5: Report of FillP-Sheep — Data Link

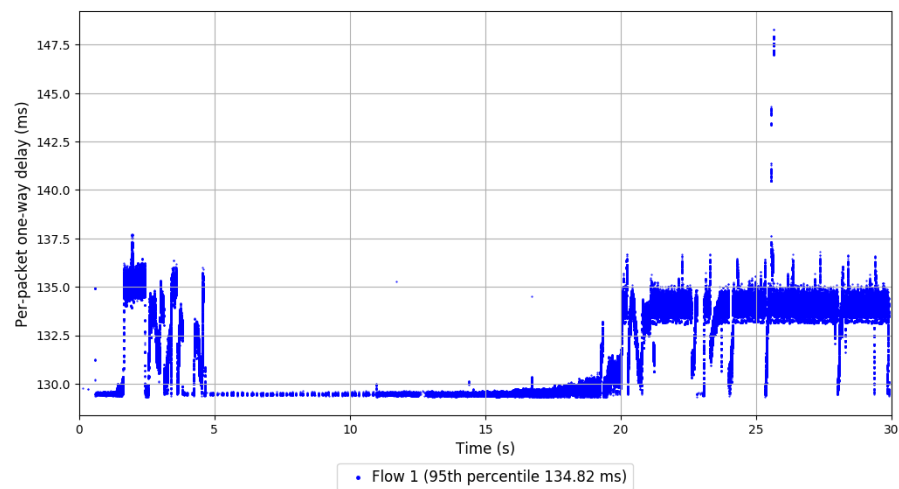
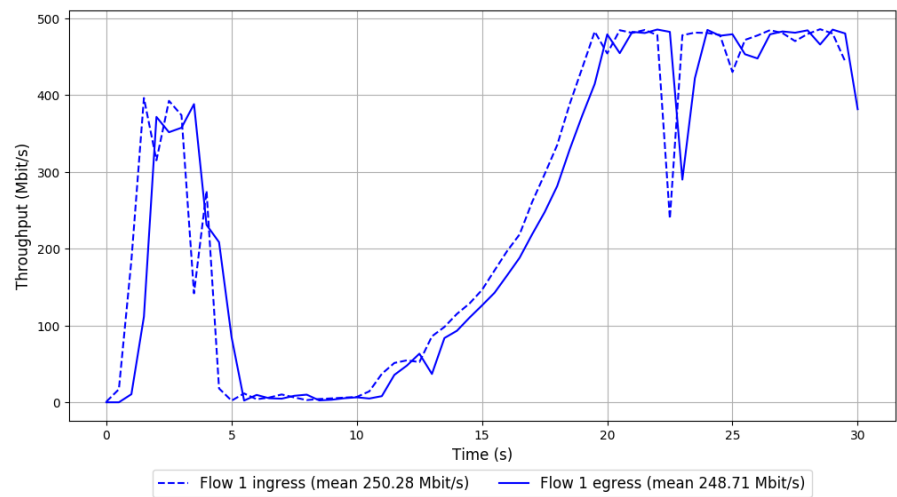


Run 6: Statistics of FillP-Sheep

Start at: 2018-08-22 13:23:50
End at: 2018-08-22 13:24:20
Local clock offset: 0.885 ms
Remote clock offset: -34.806 ms

Below is generated by plot.py at 2018-08-22 15:37:00
Datalink statistics
-- Total of 1 flow:
Average throughput: 248.71 Mbit/s
95th percentile per-packet one-way delay: 134.819 ms
Loss rate: 1.28%
-- Flow 1:
Average throughput: 248.71 Mbit/s
95th percentile per-packet one-way delay: 134.819 ms
Loss rate: 1.28%

Run 6: Report of FillP-Sheep — Data Link



Run 7: Statistics of FillP-Sheep

Start at: 2018-08-22 13:51:31

End at: 2018-08-22 13:52:01

Local clock offset: 0.914 ms

Remote clock offset: -41.745 ms

Below is generated by plot.py at 2018-08-22 15:37:00

Datalink statistics

-- Total of 1 flow:

Average throughput: 33.05 Mbit/s

95th percentile per-packet one-way delay: 140.443 ms

Loss rate: 0.00%

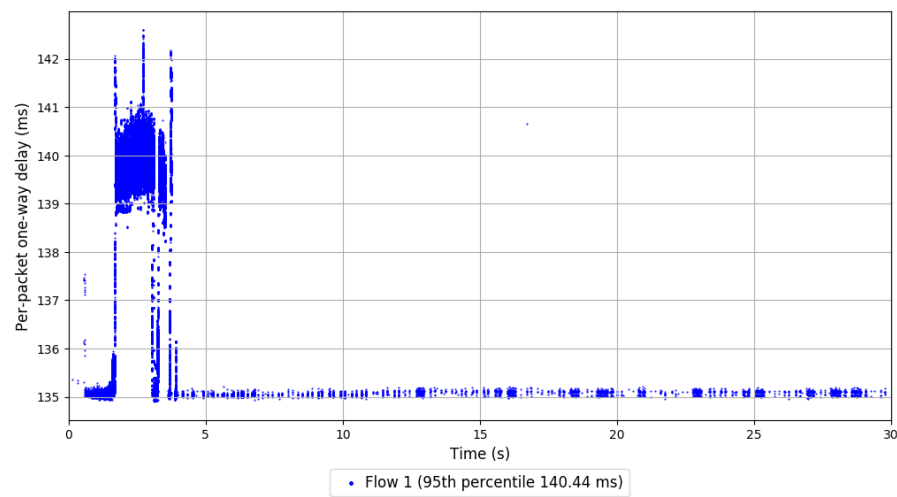
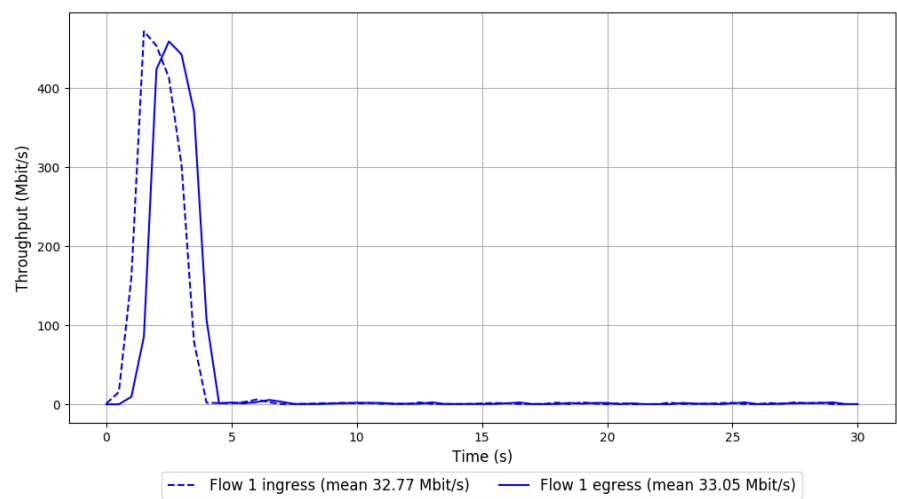
-- Flow 1:

Average throughput: 33.05 Mbit/s

95th percentile per-packet one-way delay: 140.443 ms

Loss rate: 0.00%

Run 7: Report of FillP-Sheep — Data Link



Run 8: Statistics of FillP-Sheep

Start at: 2018-08-22 14:13:31

End at: 2018-08-22 14:14:01

Local clock offset: 0.578 ms

Remote clock offset: -41.184 ms

Below is generated by plot.py at 2018-08-22 15:37:00

Datalink statistics

-- Total of 1 flow:

Average throughput: 33.31 Mbit/s

95th percentile per-packet one-way delay: 140.686 ms

Loss rate: 0.02%

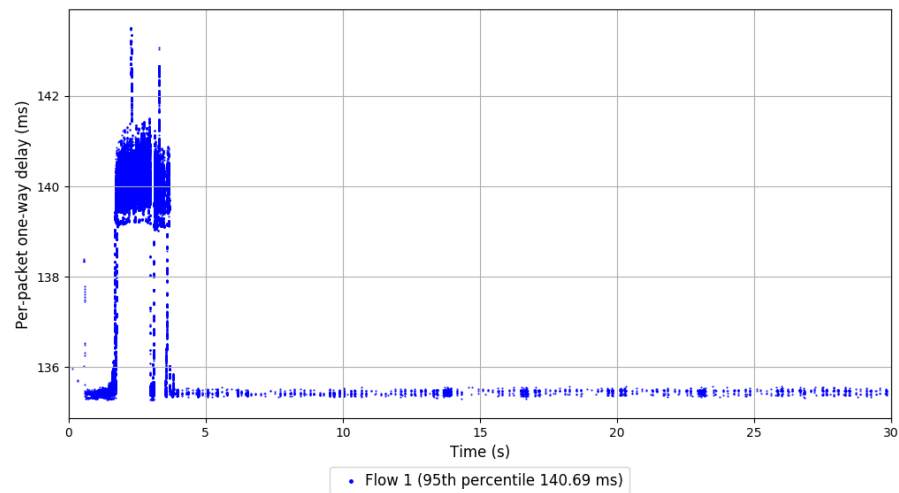
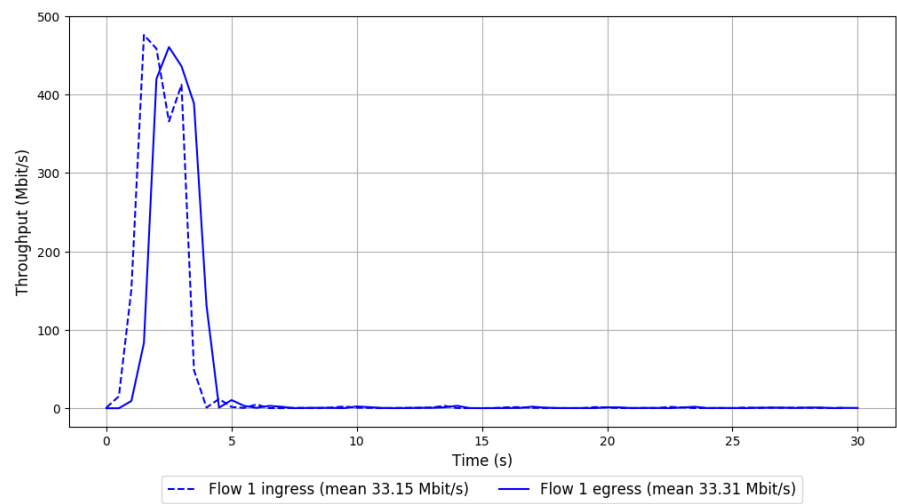
-- Flow 1:

Average throughput: 33.31 Mbit/s

95th percentile per-packet one-way delay: 140.686 ms

Loss rate: 0.02%

Run 8: Report of FillP-Sheep — Data Link



Run 9: Statistics of FillP-Sheep

Start at: 2018-08-22 14:46:35

End at: 2018-08-22 14:47:05

Local clock offset: -0.499 ms

Remote clock offset: -37.069 ms

Below is generated by plot.py at 2018-08-22 15:37:00

Datalink statistics

-- Total of 1 flow:

Average throughput: 32.43 Mbit/s

95th percentile per-packet one-way delay: 133.659 ms

Loss rate: 0.01%

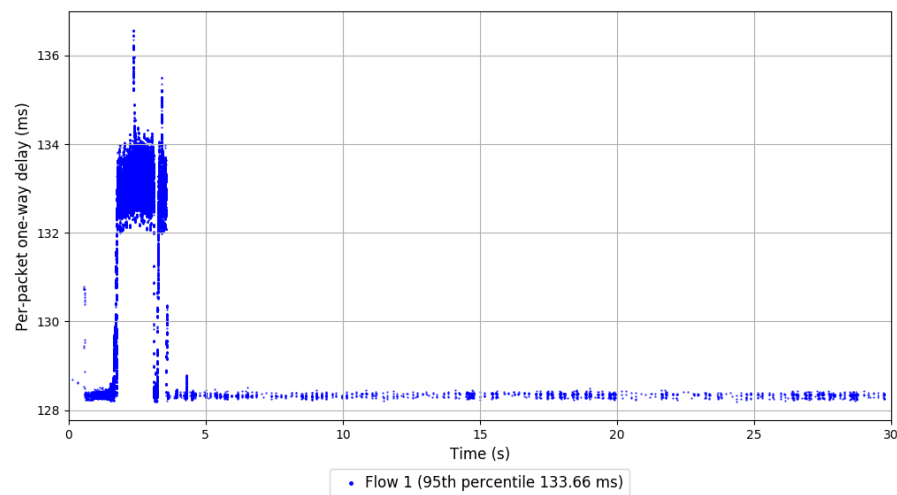
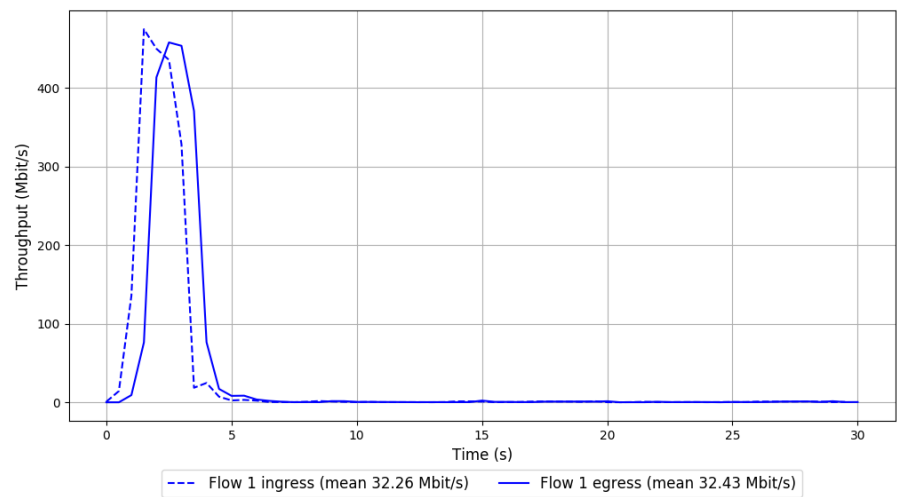
-- Flow 1:

Average throughput: 32.43 Mbit/s

95th percentile per-packet one-way delay: 133.659 ms

Loss rate: 0.01%

Run 9: Report of FillP-Sheep — Data Link

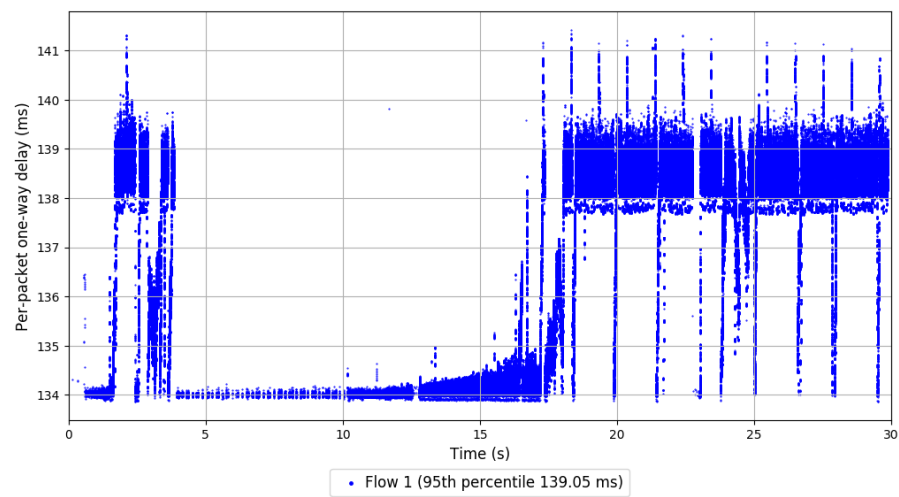
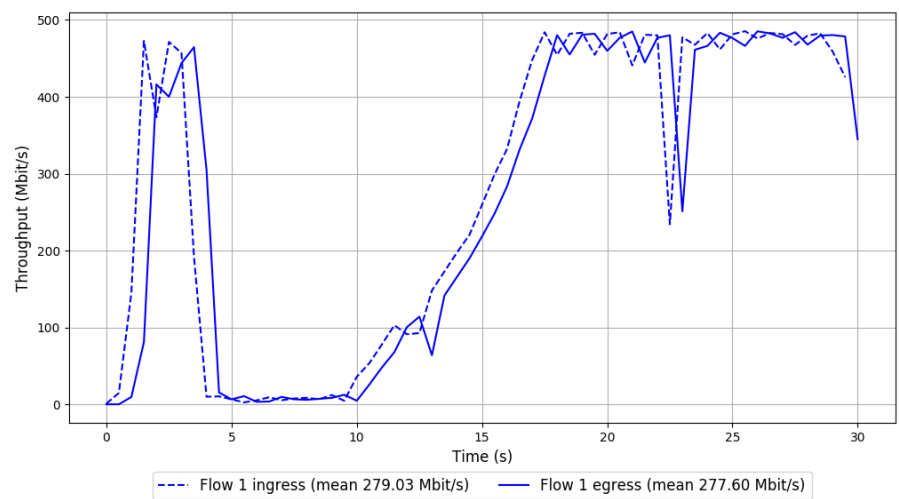


Run 10: Statistics of FillP-Sheep

Start at: 2018-08-22 15:08:20
End at: 2018-08-22 15:08:50
Local clock offset: 2.439 ms
Remote clock offset: -42.101 ms

Below is generated by plot.py at 2018-08-22 15:37:00
Datalink statistics
-- Total of 1 flow:
Average throughput: 277.60 Mbit/s
95th percentile per-packet one-way delay: 139.048 ms
Loss rate: 1.17%
-- Flow 1:
Average throughput: 277.60 Mbit/s
95th percentile per-packet one-way delay: 139.048 ms
Loss rate: 1.17%

Run 10: Report of FillP-Sheep — Data Link



Run 1: Statistics of Indigo

Start at: 2018-08-22 11:18:56

End at: 2018-08-22 11:19:26

Local clock offset: 2.39 ms

Remote clock offset: -38.88 ms

Below is generated by plot.py at 2018-08-22 15:37:00

Datalink statistics

-- Total of 1 flow:

Average throughput: 124.48 Mbit/s

95th percentile per-packet one-way delay: 137.318 ms

Loss rate: 0.77%

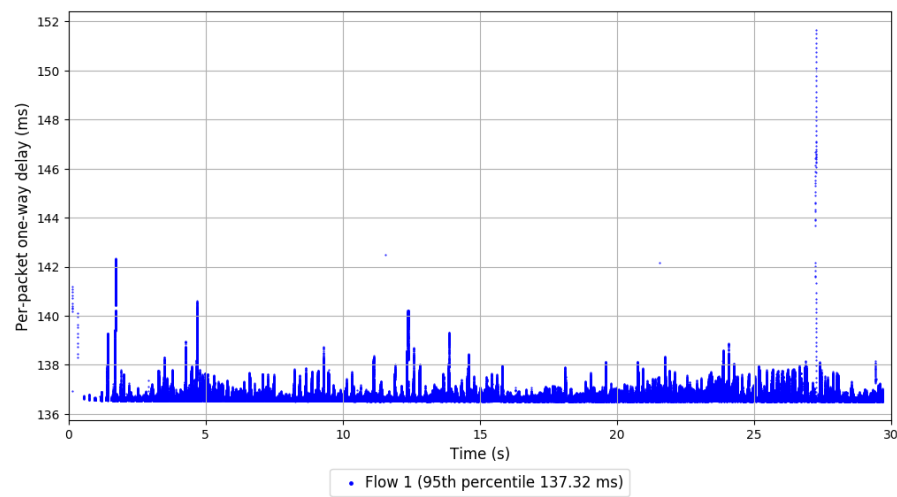
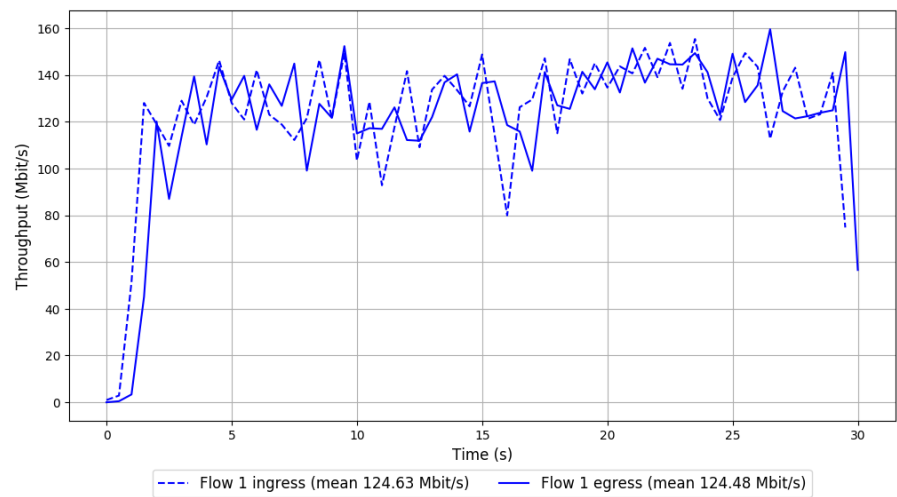
-- Flow 1:

Average throughput: 124.48 Mbit/s

95th percentile per-packet one-way delay: 137.318 ms

Loss rate: 0.77%

Run 1: Report of Indigo — Data Link

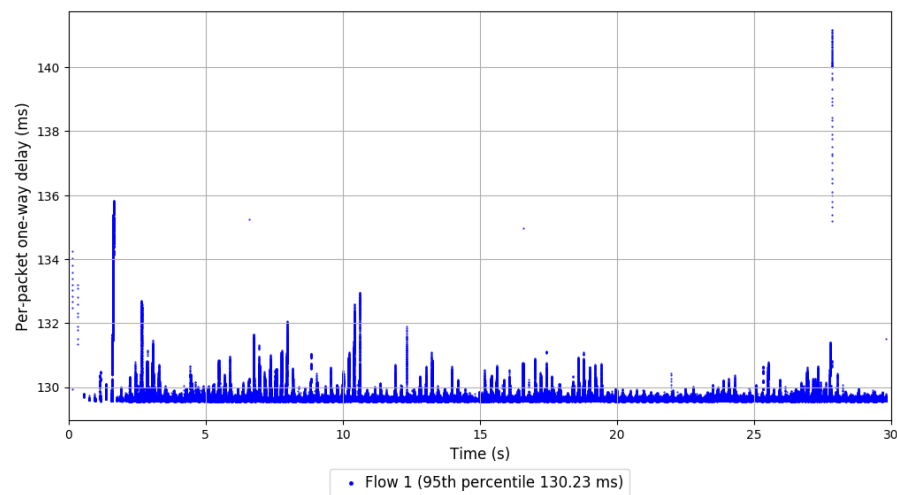
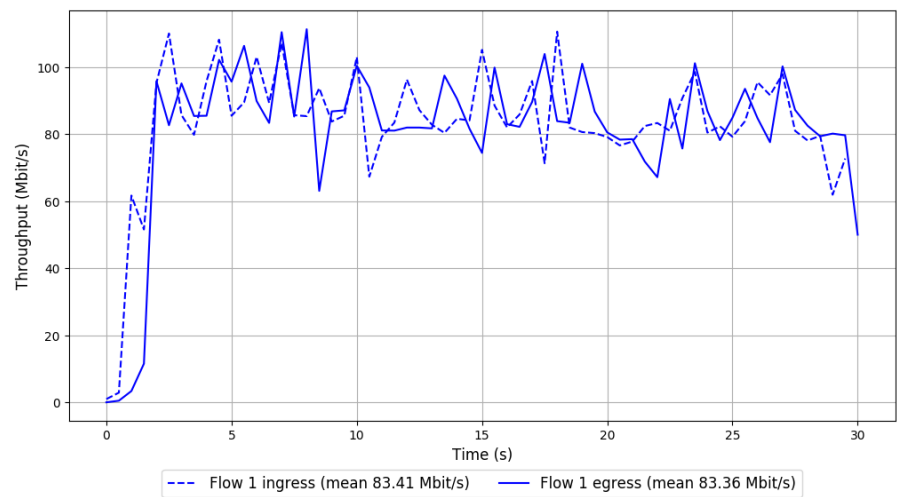


Run 2: Statistics of Indigo

Start at: 2018-08-22 11:40:50
End at: 2018-08-22 11:41:20
Local clock offset: 2.514 ms
Remote clock offset: -33.438 ms

Below is generated by plot.py at 2018-08-22 15:37:00
Datalink statistics
-- Total of 1 flow:
Average throughput: 83.36 Mbit/s
95th percentile per-packet one-way delay: 130.229 ms
Loss rate: 0.70%
-- Flow 1:
Average throughput: 83.36 Mbit/s
95th percentile per-packet one-way delay: 130.229 ms
Loss rate: 0.70%

Run 2: Report of Indigo — Data Link



Run 3: Statistics of Indigo

Start at: 2018-08-22 12:08:19

End at: 2018-08-22 12:08:49

Local clock offset: 1.41 ms

Remote clock offset: -33.7 ms

Below is generated by plot.py at 2018-08-22 15:37:00

Datalink statistics

-- Total of 1 flow:

Average throughput: 74.89 Mbit/s

95th percentile per-packet one-way delay: 129.042 ms

Loss rate: 0.28%

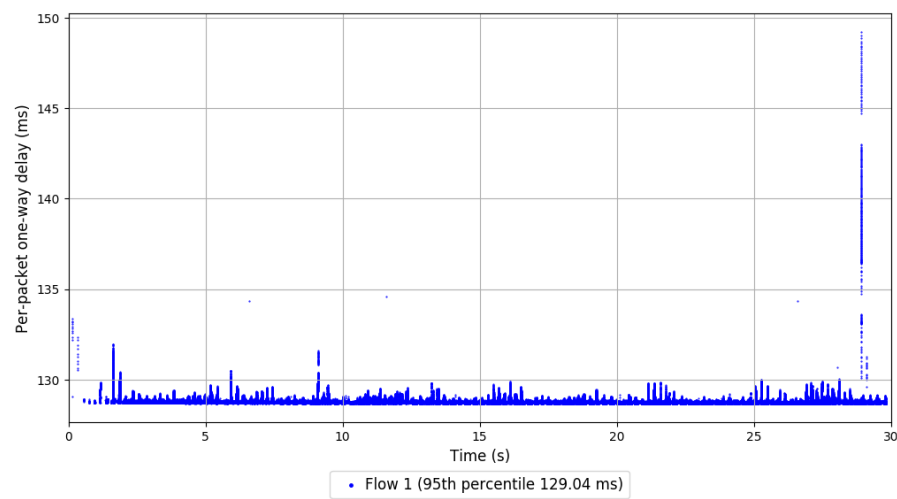
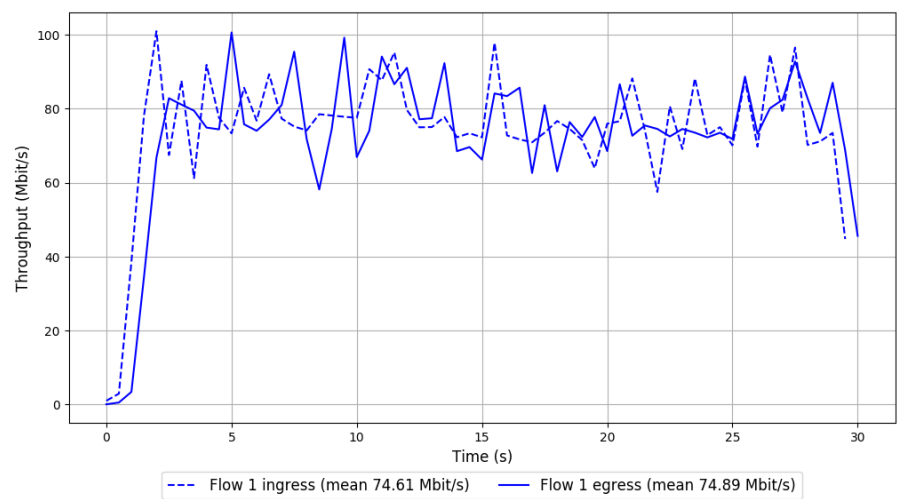
-- Flow 1:

Average throughput: 74.89 Mbit/s

95th percentile per-packet one-way delay: 129.042 ms

Loss rate: 0.28%

Run 3: Report of Indigo — Data Link

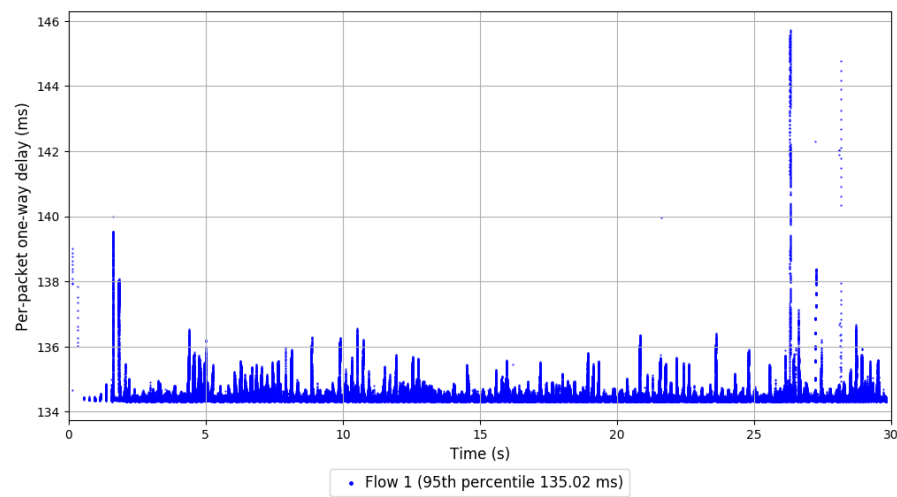
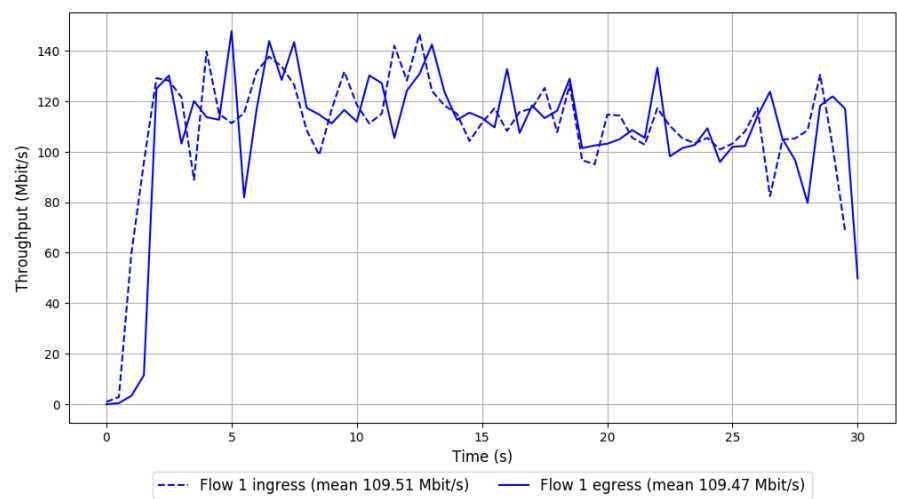


Run 4: Statistics of Indigo

Start at: 2018-08-22 12:35:50
End at: 2018-08-22 12:36:20
Local clock offset: 2.101 ms
Remote clock offset: -38.477 ms

Below is generated by plot.py at 2018-08-22 15:37:00
Datalink statistics
-- Total of 1 flow:
Average throughput: 109.47 Mbit/s
95th percentile per-packet one-way delay: 135.016 ms
Loss rate: 0.69%
-- Flow 1:
Average throughput: 109.47 Mbit/s
95th percentile per-packet one-way delay: 135.016 ms
Loss rate: 0.69%

Run 4: Report of Indigo — Data Link

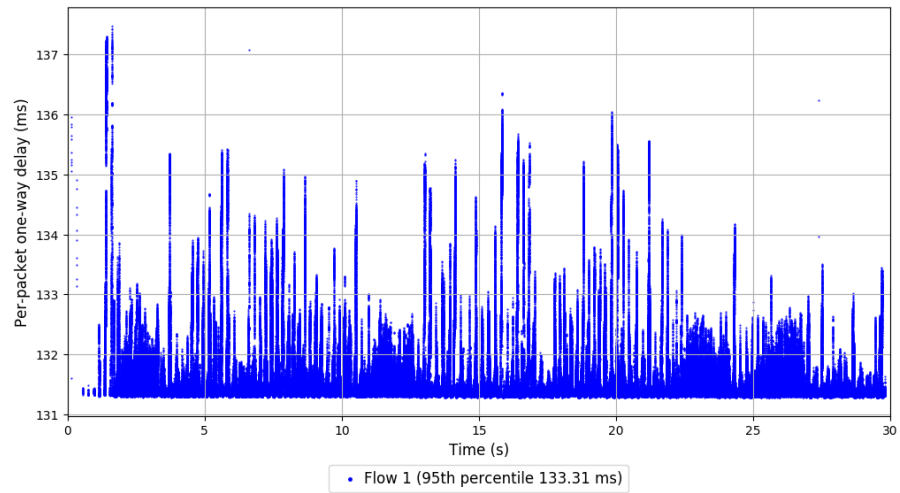
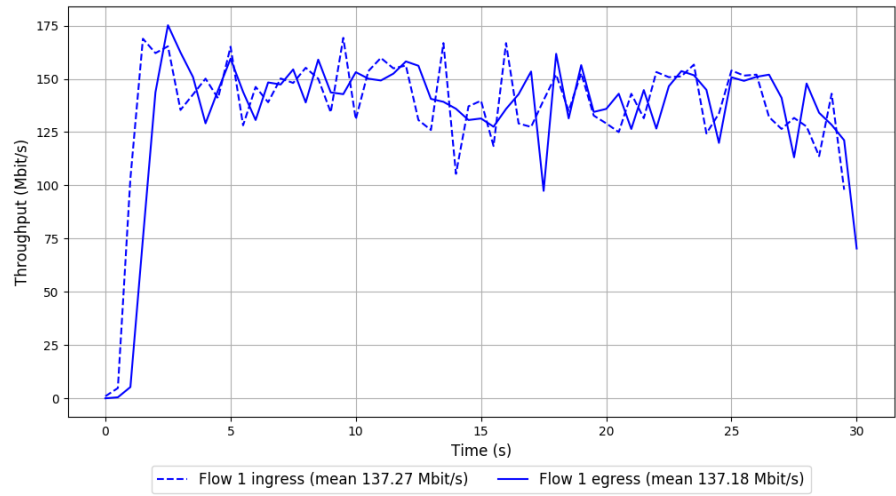


Run 5: Statistics of Indigo

Start at: 2018-08-22 12:57:39
End at: 2018-08-22 12:58:09
Local clock offset: 2.276 ms
Remote clock offset: -35.822 ms

Below is generated by plot.py at 2018-08-22 15:37:00
Datalink statistics
-- Total of 1 flow:
Average throughput: 137.18 Mbit/s
95th percentile per-packet one-way delay: 133.311 ms
Loss rate: 0.71%
-- Flow 1:
Average throughput: 137.18 Mbit/s
95th percentile per-packet one-way delay: 133.311 ms
Loss rate: 0.71%

Run 5: Report of Indigo — Data Link



Run 6: Statistics of Indigo

Start at: 2018-08-22 13:25:11

End at: 2018-08-22 13:25:41

Local clock offset: -0.025 ms

Remote clock offset: -36.449 ms

Below is generated by plot.py at 2018-08-22 15:37:00

Datalink statistics

-- Total of 1 flow:

Average throughput: 68.86 Mbit/s

95th percentile per-packet one-way delay: 130.429 ms

Loss rate: 0.69%

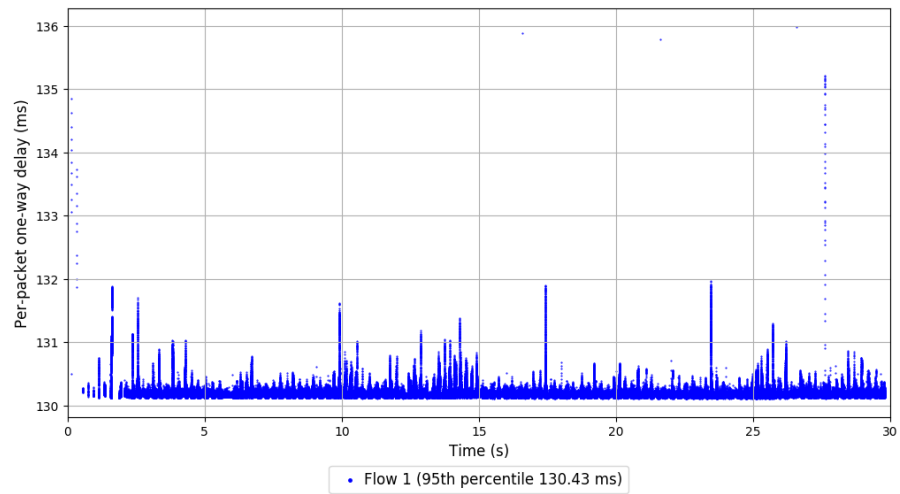
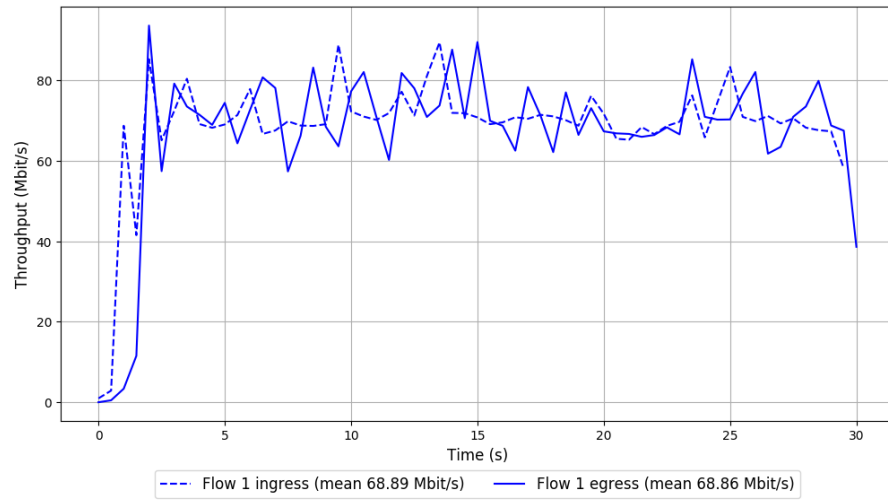
-- Flow 1:

Average throughput: 68.86 Mbit/s

95th percentile per-packet one-way delay: 130.429 ms

Loss rate: 0.69%

Run 6: Report of Indigo — Data Link

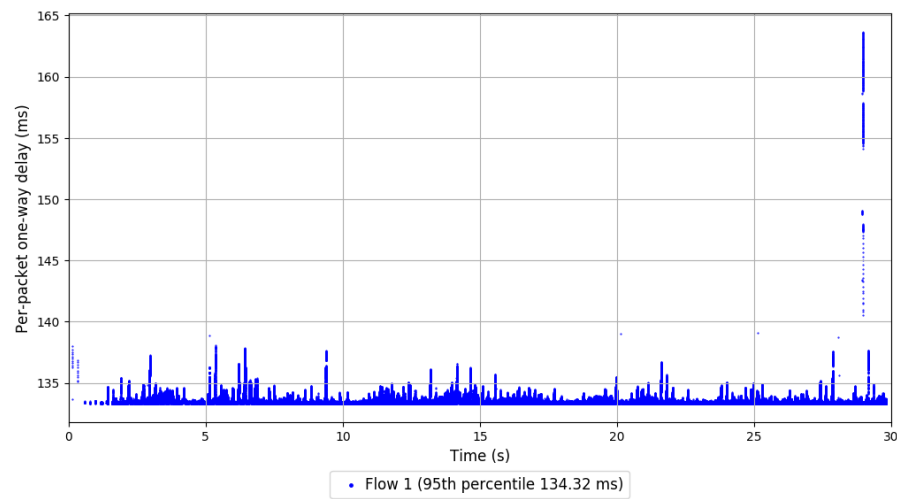
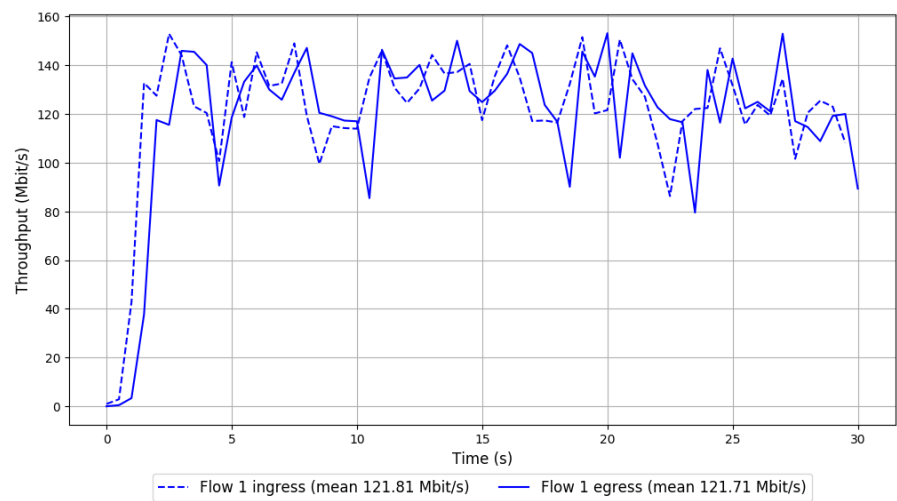


Run 7: Statistics of Indigo

Start at: 2018-08-22 13:52:42
End at: 2018-08-22 13:53:12
Local clock offset: -0.976 ms
Remote clock offset: -40.776 ms

Below is generated by plot.py at 2018-08-22 15:37:00
Datalink statistics
-- Total of 1 flow:
Average throughput: 121.71 Mbit/s
95th percentile per-packet one-way delay: 134.322 ms
Loss rate: 0.74%
-- Flow 1:
Average throughput: 121.71 Mbit/s
95th percentile per-packet one-way delay: 134.322 ms
Loss rate: 0.74%

Run 7: Report of Indigo — Data Link

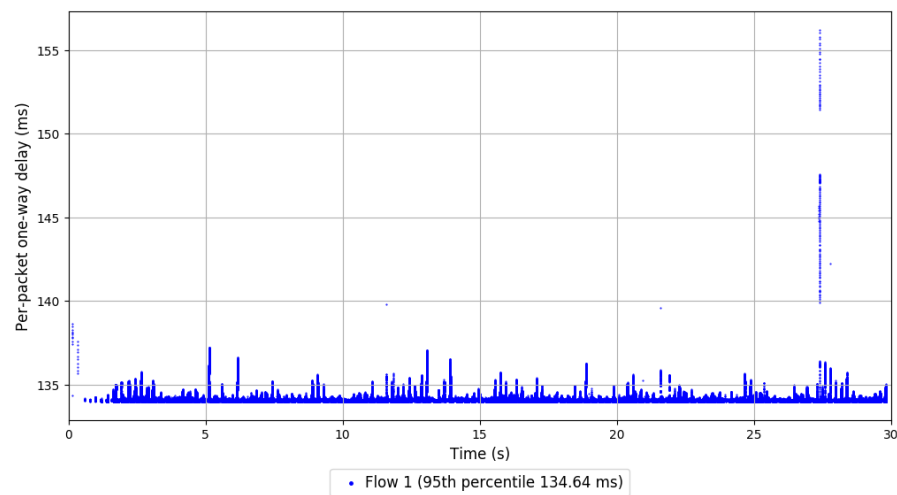
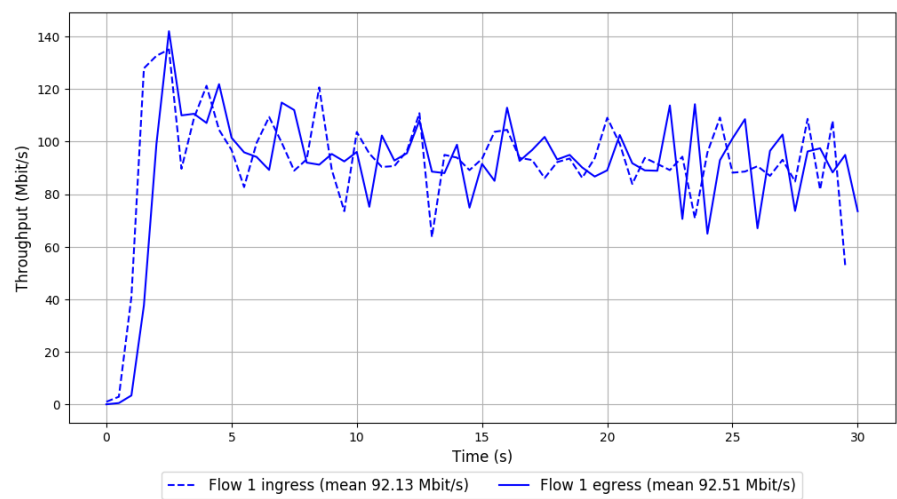


Run 8: Statistics of Indigo

Start at: 2018-08-22 14:14:42
End at: 2018-08-22 14:15:12
Local clock offset: -0.998 ms
Remote clock offset: -41.279 ms

Below is generated by plot.py at 2018-08-22 15:37:00
Datalink statistics
-- Total of 1 flow:
Average throughput: 92.51 Mbit/s
95th percentile per-packet one-way delay: 134.644 ms
Loss rate: 0.25%
-- Flow 1:
Average throughput: 92.51 Mbit/s
95th percentile per-packet one-way delay: 134.644 ms
Loss rate: 0.25%

Run 8: Report of Indigo — Data Link



Run 9: Statistics of Indigo

Start at: 2018-08-22 14:47:46

End at: 2018-08-22 14:48:16

Local clock offset: -0.022 ms

Remote clock offset: -37.058 ms

Below is generated by plot.py at 2018-08-22 15:37:00

Datalink statistics

-- Total of 1 flow:

Average throughput: 75.13 Mbit/s

95th percentile per-packet one-way delay: 128.993 ms

Loss rate: 0.74%

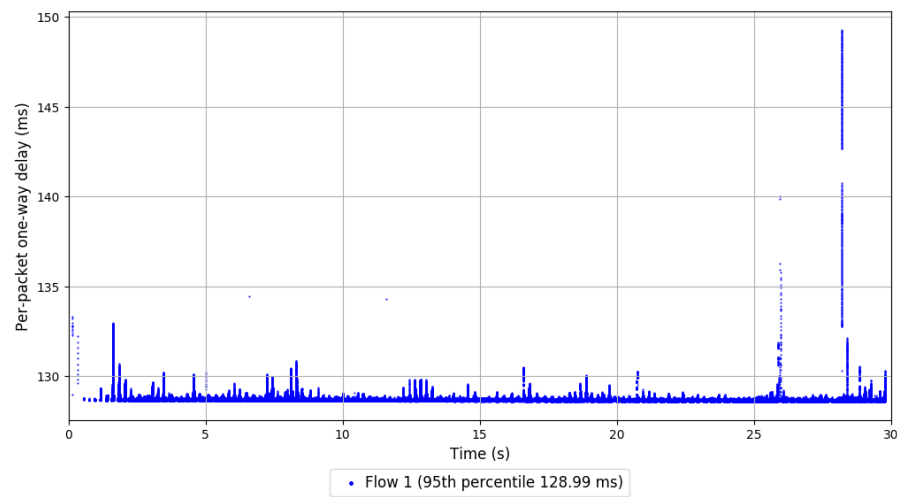
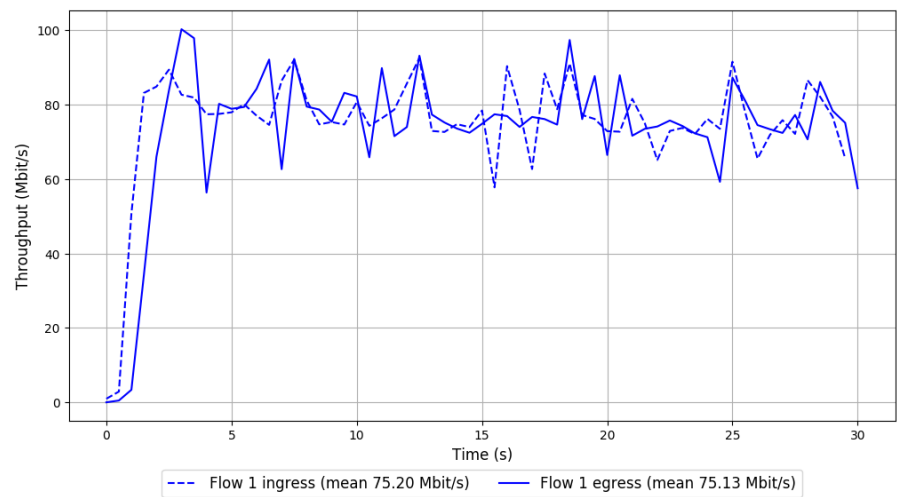
-- Flow 1:

Average throughput: 75.13 Mbit/s

95th percentile per-packet one-way delay: 128.993 ms

Loss rate: 0.74%

Run 9: Report of Indigo — Data Link

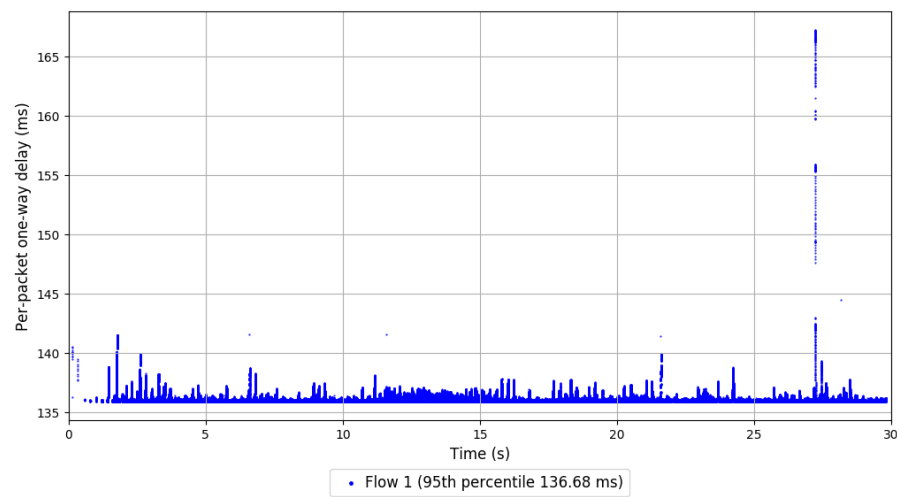
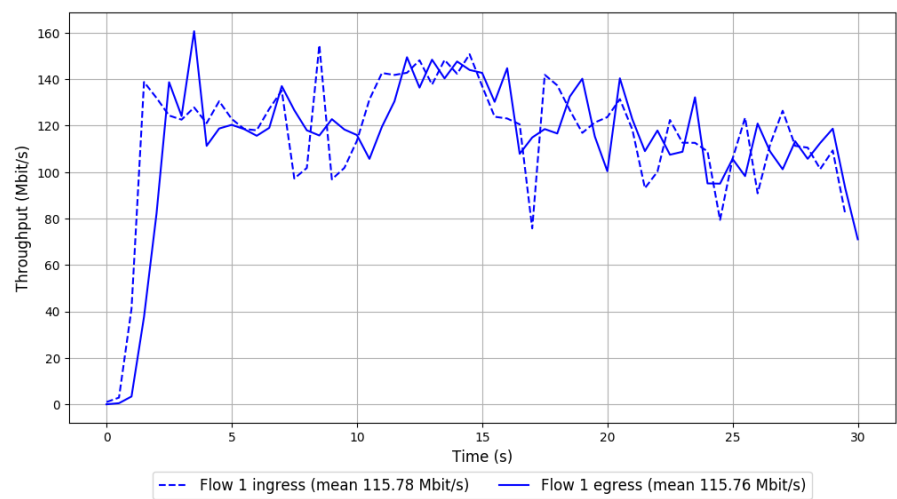


Run 10: Statistics of Indigo

Start at: 2018-08-22 15:09:41
End at: 2018-08-22 15:10:11
Local clock offset: 3.036 ms
Remote clock offset: -42.26 ms

Below is generated by plot.py at 2018-08-22 15:37:23
Datalink statistics
-- Total of 1 flow:
Average throughput: 115.76 Mbit/s
95th percentile per-packet one-way delay: 136.679 ms
Loss rate: 0.67%
-- Flow 1:
Average throughput: 115.76 Mbit/s
95th percentile per-packet one-way delay: 136.679 ms
Loss rate: 0.67%

Run 10: Report of Indigo — Data Link

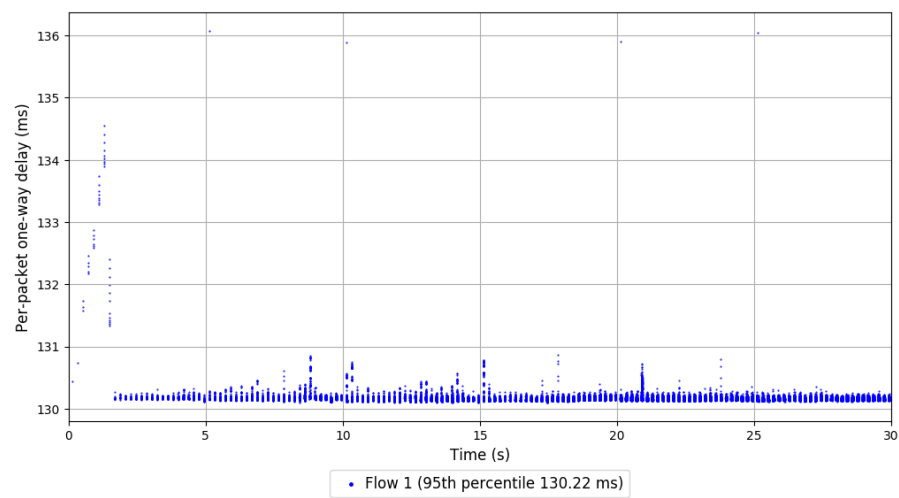
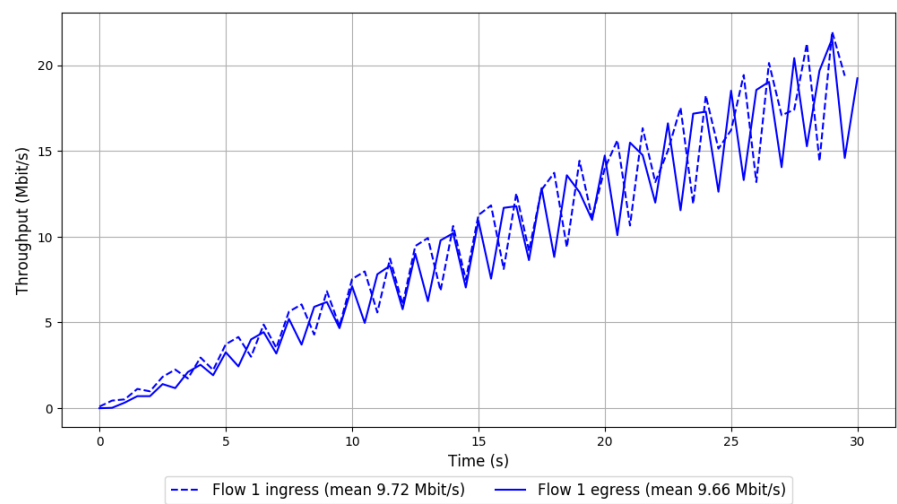


```
Run 1: Statistics of LEDBAT

Start at: 2018-08-22 11:22:41
End at: 2018-08-22 11:23:11
Local clock offset: 1.618 ms
Remote clock offset: -34.702 ms

# Below is generated by plot.py at 2018-08-22 15:37:23
# Datalink statistics
-- Total of 1 flow:
Average throughput: 9.66 Mbit/s
95th percentile per-packet one-way delay: 130.222 ms
Loss rate: 1.29%
-- Flow 1:
Average throughput: 9.66 Mbit/s
95th percentile per-packet one-way delay: 130.222 ms
Loss rate: 1.29%
```


Run 1: Report of LEDBAT — Data Link

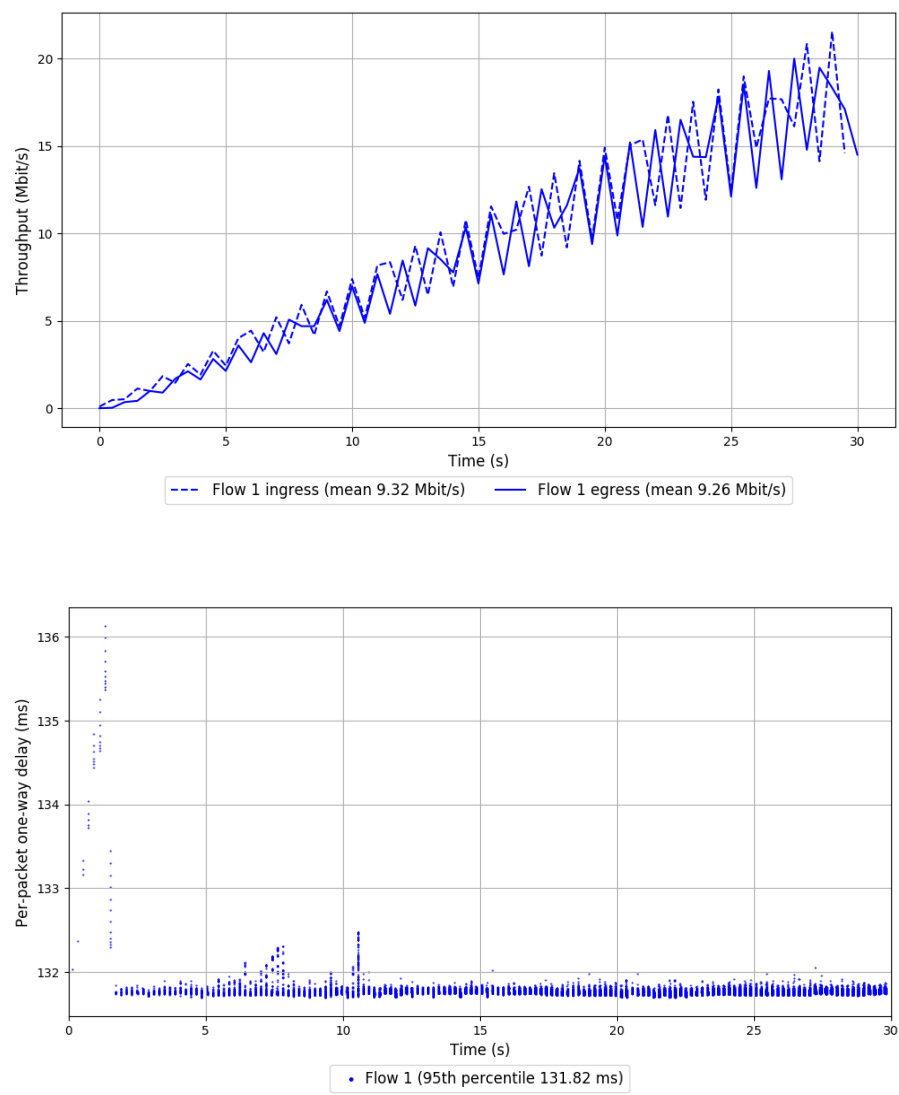


Run 2: Statistics of LEDBAT

Start at: 2018-08-22 11:44:32
End at: 2018-08-22 11:45:02
Local clock offset: 1.4 ms
Remote clock offset: -35.408 ms

Below is generated by plot.py at 2018-08-22 15:37:23
Datalink statistics
-- Total of 1 flow:
Average throughput: 9.26 Mbit/s
95th percentile per-packet one-way delay: 131.817 ms
Loss rate: 1.31%
-- Flow 1:
Average throughput: 9.26 Mbit/s
95th percentile per-packet one-way delay: 131.817 ms
Loss rate: 1.31%

Run 2: Report of LEDBAT — Data Link

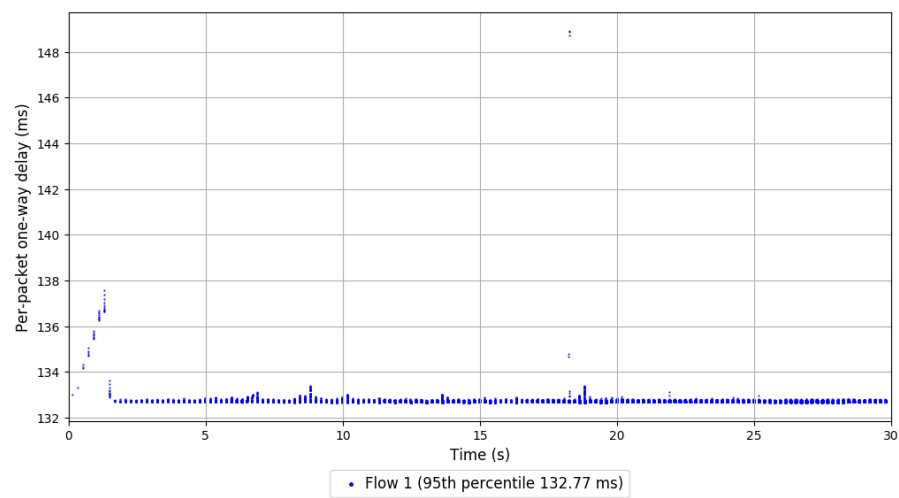
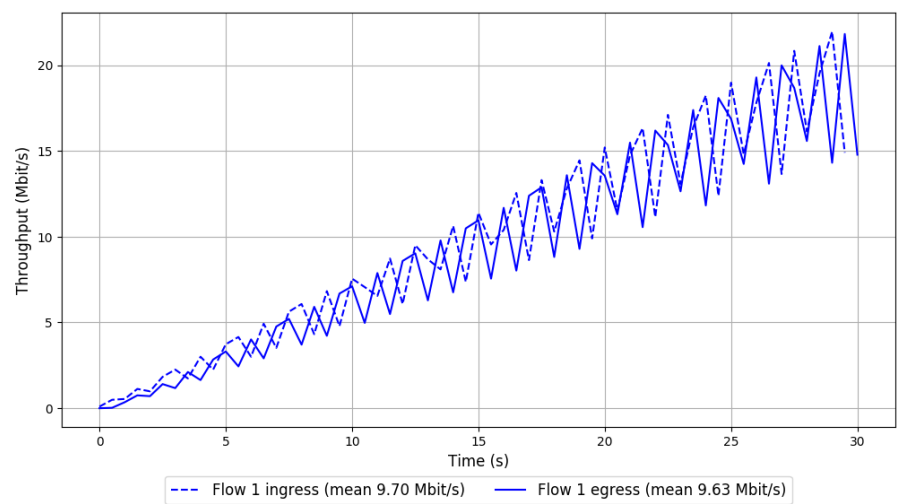


Run 3: Statistics of LEDBAT

Start at: 2018-08-22 12:12:01
End at: 2018-08-22 12:12:31
Local clock offset: 1.015 ms
Remote clock offset: -38.395 ms

Below is generated by plot.py at 2018-08-22 15:37:23
Datalink statistics
-- Total of 1 flow:
Average throughput: 9.63 Mbit/s
95th percentile per-packet one-way delay: 132.767 ms
Loss rate: 1.29%
-- Flow 1:
Average throughput: 9.63 Mbit/s
95th percentile per-packet one-way delay: 132.767 ms
Loss rate: 1.29%

Run 3: Report of LEDBAT — Data Link

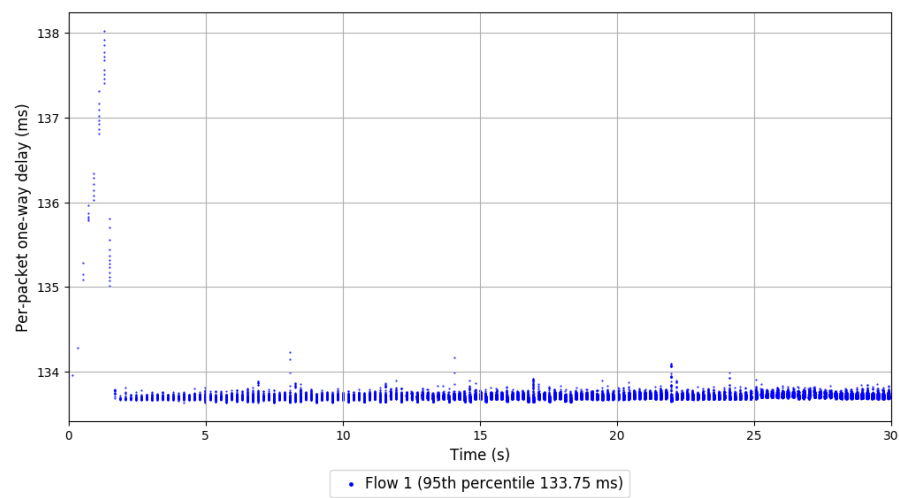
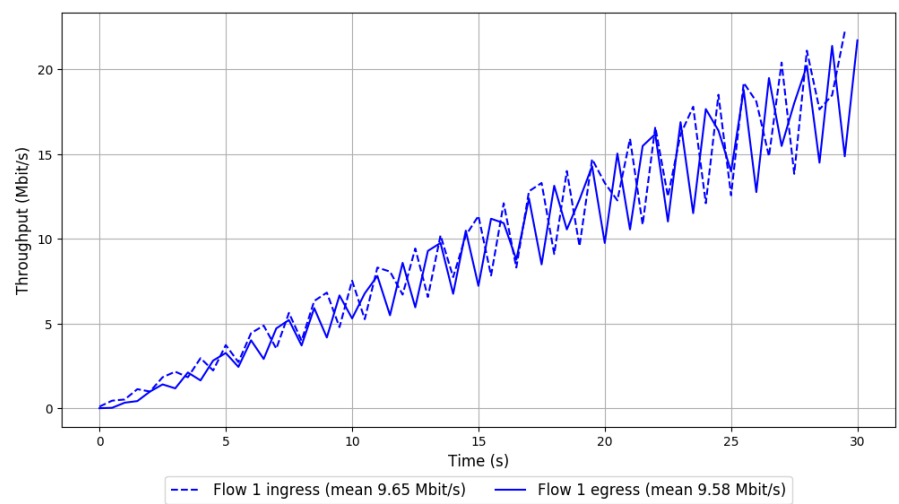


Run 4: Statistics of LEDBAT

Start at: 2018-08-22 12:39:41
End at: 2018-08-22 12:40:11
Local clock offset: 0.961 ms
Remote clock offset: -38.668 ms

Below is generated by plot.py at 2018-08-22 15:37:23
Datalink statistics
-- Total of 1 flow:
Average throughput: 9.58 Mbit/s
95th percentile per-packet one-way delay: 133.754 ms
Loss rate: 1.29%
-- Flow 1:
Average throughput: 9.58 Mbit/s
95th percentile per-packet one-way delay: 133.754 ms
Loss rate: 1.29%

Run 4: Report of LEDBAT — Data Link

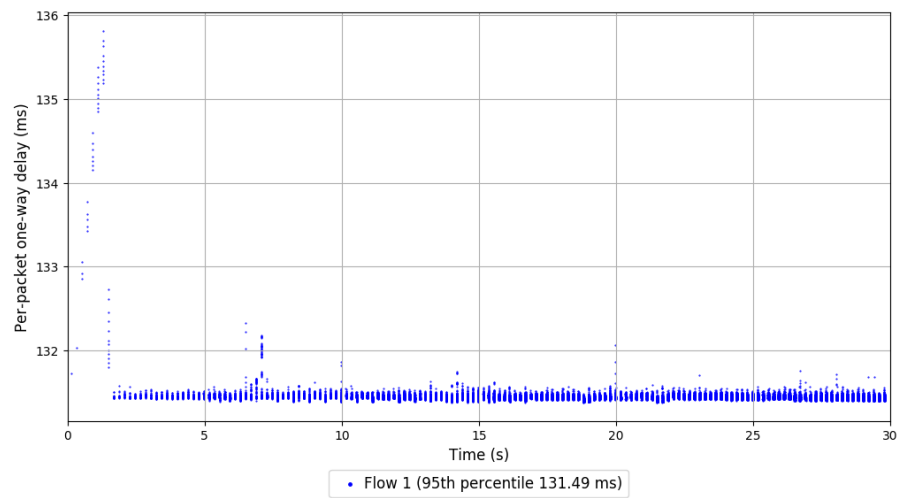
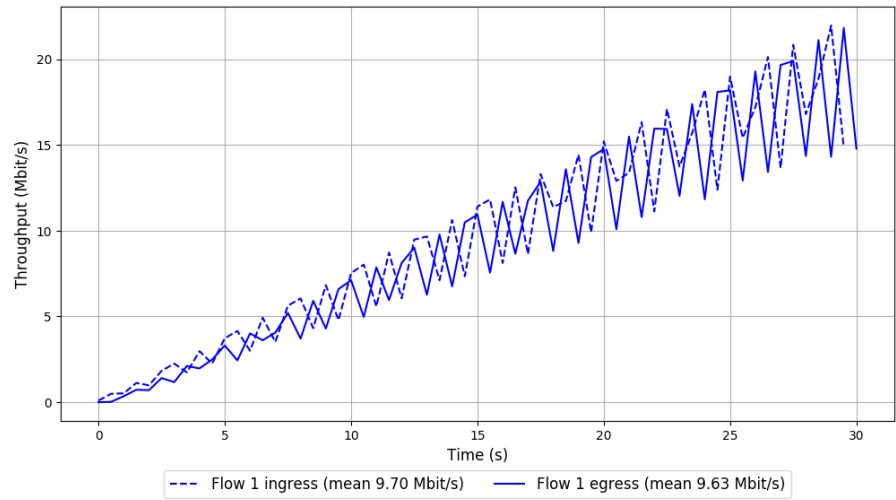


Run 5: Statistics of LEDBAT

Start at: 2018-08-22 13:01:23
End at: 2018-08-22 13:01:53
Local clock offset: 1.571 ms
Remote clock offset: -36.854 ms

Below is generated by plot.py at 2018-08-22 15:37:23
Datalink statistics
-- Total of 1 flow:
Average throughput: 9.63 Mbit/s
95th percentile per-packet one-way delay: 131.491 ms
Loss rate: 1.29%
-- Flow 1:
Average throughput: 9.63 Mbit/s
95th percentile per-packet one-way delay: 131.491 ms
Loss rate: 1.29%

Run 5: Report of LEDBAT — Data Link

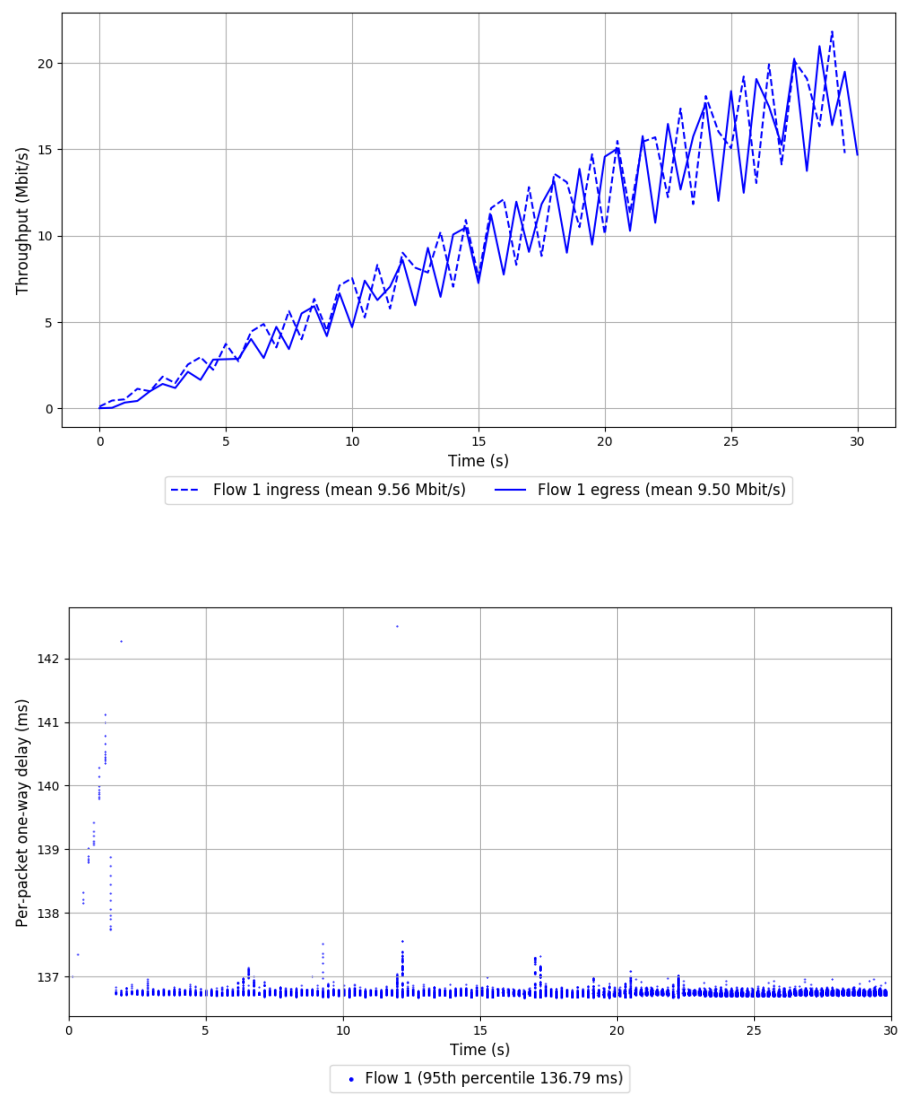


Run 6: Statistics of LEDBAT

Start at: 2018-08-22 13:28:51
End at: 2018-08-22 13:29:21
Local clock offset: 1.098 ms
Remote clock offset: -42.021 ms

Below is generated by plot.py at 2018-08-22 15:37:23
Datalink statistics
-- Total of 1 flow:
Average throughput: 9.50 Mbit/s
95th percentile per-packet one-way delay: 136.789 ms
Loss rate: 1.30%
-- Flow 1:
Average throughput: 9.50 Mbit/s
95th percentile per-packet one-way delay: 136.789 ms
Loss rate: 1.30%

Run 6: Report of LEDBAT — Data Link

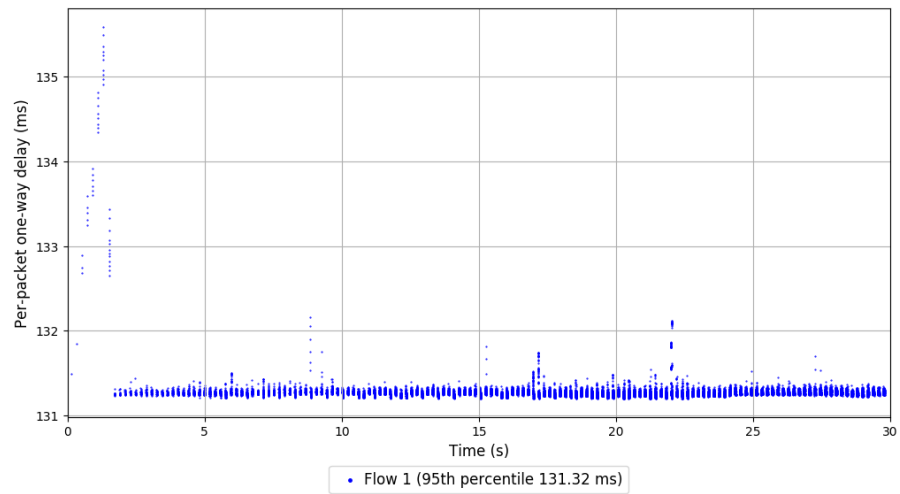
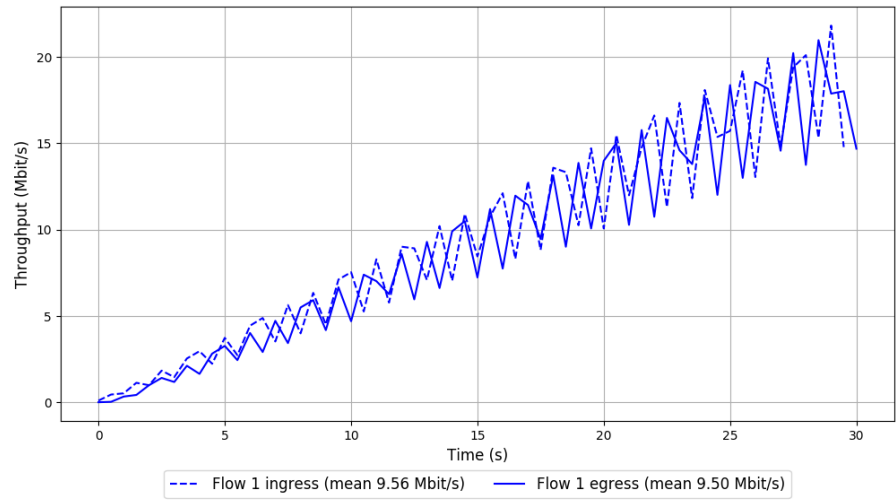


Run 7: Statistics of LEDBAT

Start at: 2018-08-22 13:56:26
End at: 2018-08-22 13:56:56
Local clock offset: -1.085 ms
Remote clock offset: -38.719 ms

Below is generated by plot.py at 2018-08-22 15:37:23
Datalink statistics
-- Total of 1 flow:
Average throughput: 9.50 Mbit/s
95th percentile per-packet one-way delay: 131.318 ms
Loss rate: 1.30%
-- Flow 1:
Average throughput: 9.50 Mbit/s
95th percentile per-packet one-way delay: 131.318 ms
Loss rate: 1.30%

Run 7: Report of LEDBAT — Data Link

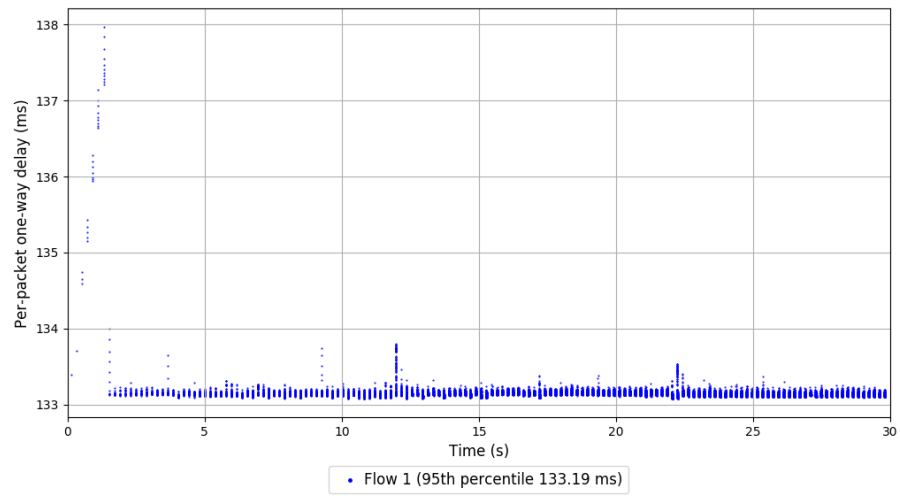
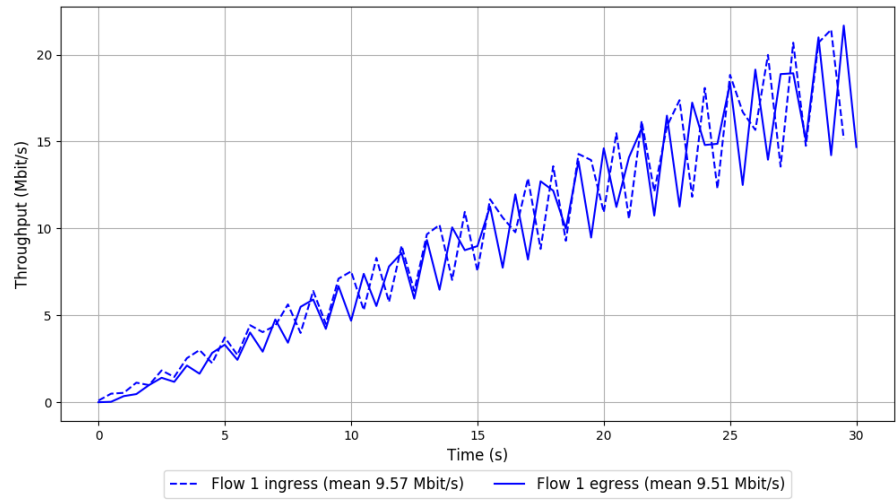


Run 8: Statistics of LEDBAT

Start at: 2018-08-22 14:18:23
End at: 2018-08-22 14:18:53
Local clock offset: -2.214 ms
Remote clock offset: -41.651 ms

Below is generated by plot.py at 2018-08-22 15:37:23
Datalink statistics
-- Total of 1 flow:
Average throughput: 9.51 Mbit/s
95th percentile per-packet one-way delay: 133.187 ms
Loss rate: 1.30%
-- Flow 1:
Average throughput: 9.51 Mbit/s
95th percentile per-packet one-way delay: 133.187 ms
Loss rate: 1.30%

Run 8: Report of LEDBAT — Data Link

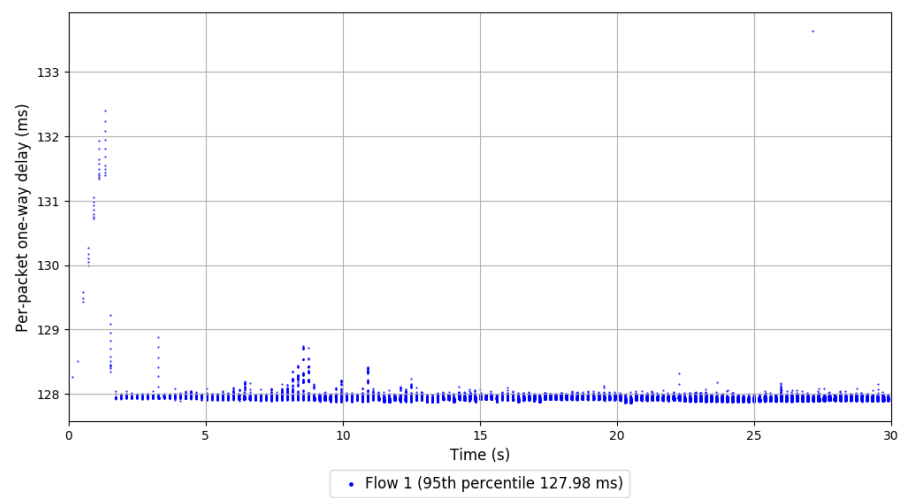
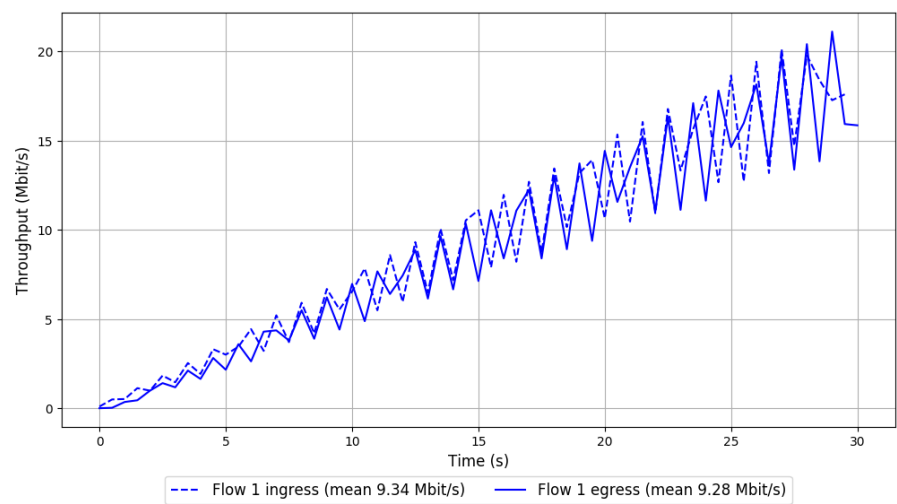


Run 9: Statistics of LEDBAT

Start at: 2018-08-22 14:51:26
End at: 2018-08-22 14:51:57
Local clock offset: -2.944 ms
Remote clock offset: -39.47 ms

Below is generated by plot.py at 2018-08-22 15:37:23
Datalink statistics
-- Total of 1 flow:
Average throughput: 9.28 Mbit/s
95th percentile per-packet one-way delay: 127.983 ms
Loss rate: 1.31%
-- Flow 1:
Average throughput: 9.28 Mbit/s
95th percentile per-packet one-way delay: 127.983 ms
Loss rate: 1.31%

Run 9: Report of LEDBAT — Data Link

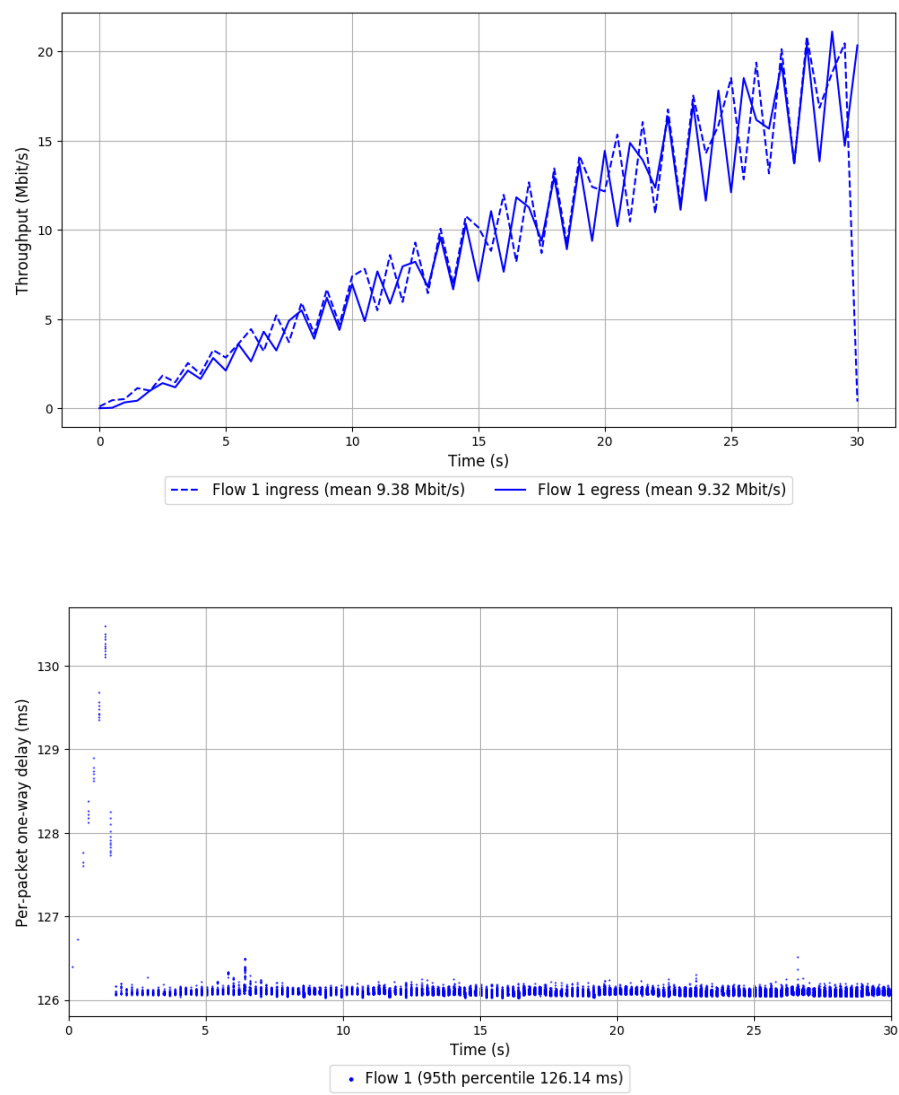


Run 10: Statistics of LEDBAT

Start at: 2018-08-22 15:13:24
End at: 2018-08-22 15:13:54
Local clock offset: -2.897 ms
Remote clock offset: -38.406 ms

Below is generated by plot.py at 2018-08-22 15:37:23
Datalink statistics
-- Total of 1 flow:
Average throughput: 9.32 Mbit/s
95th percentile per-packet one-way delay: 126.137 ms
Loss rate: 1.30%
-- Flow 1:
Average throughput: 9.32 Mbit/s
95th percentile per-packet one-way delay: 126.137 ms
Loss rate: 1.30%

Run 10: Report of LEDBAT — Data Link



Run 1: Statistics of PCC-Allegro

Start at: 2018-08-22 11:13:31

End at: 2018-08-22 11:14:01

Local clock offset: 0.017 ms

Remote clock offset: -33.167 ms

Below is generated by plot.py at 2018-08-22 15:40:34

Datalink statistics

-- Total of 1 flow:

Average throughput: 330.30 Mbit/s

95th percentile per-packet one-way delay: 134.611 ms

Loss rate: 0.56%

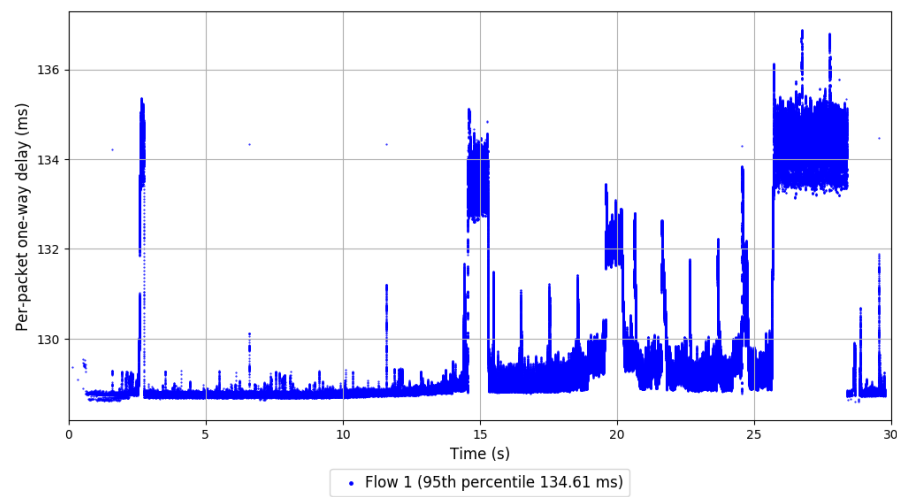
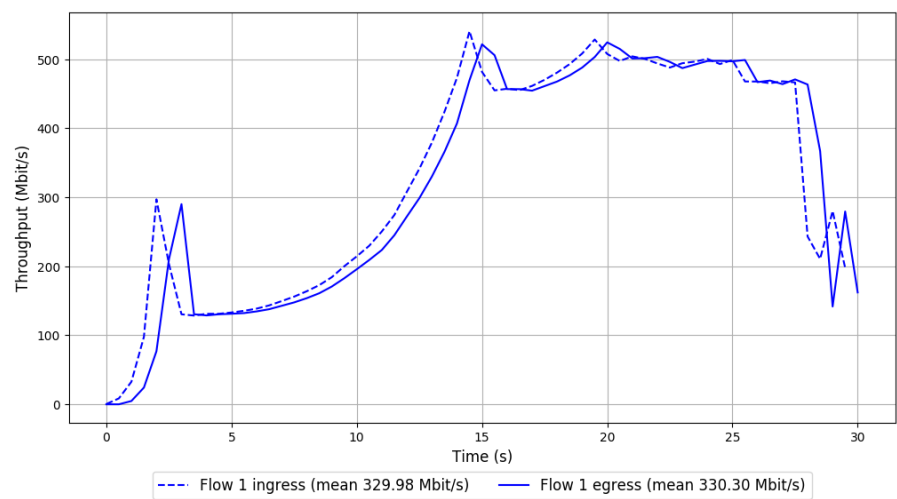
-- Flow 1:

Average throughput: 330.30 Mbit/s

95th percentile per-packet one-way delay: 134.611 ms

Loss rate: 0.56%

Run 1: Report of PCC-Allegro — Data Link



Run 2: Statistics of PCC-Allegro

Start at: 2018-08-22 11:35:44

End at: 2018-08-22 11:36:14

Local clock offset: 0.263 ms

Remote clock offset: -38.485 ms

Below is generated by plot.py at 2018-08-22 15:40:34

Datalink statistics

-- Total of 1 flow:

Average throughput: 282.83 Mbit/s

95th percentile per-packet one-way delay: 139.322 ms

Loss rate: 0.47%

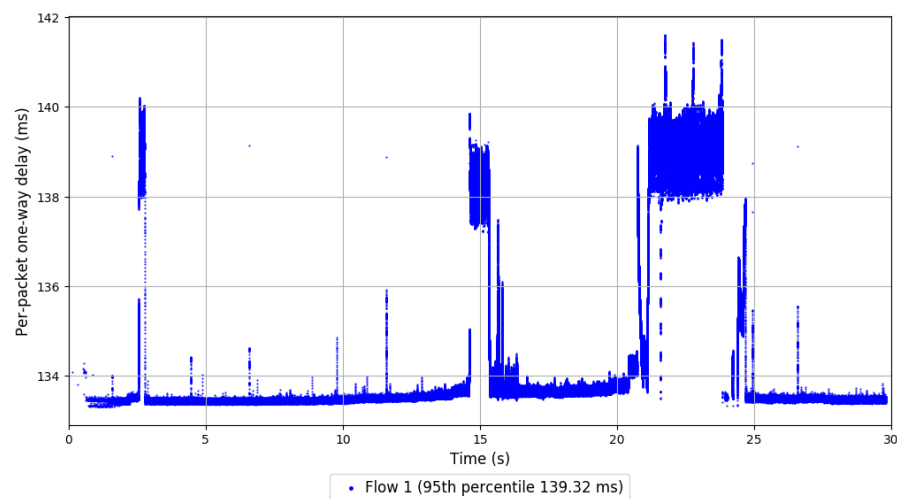
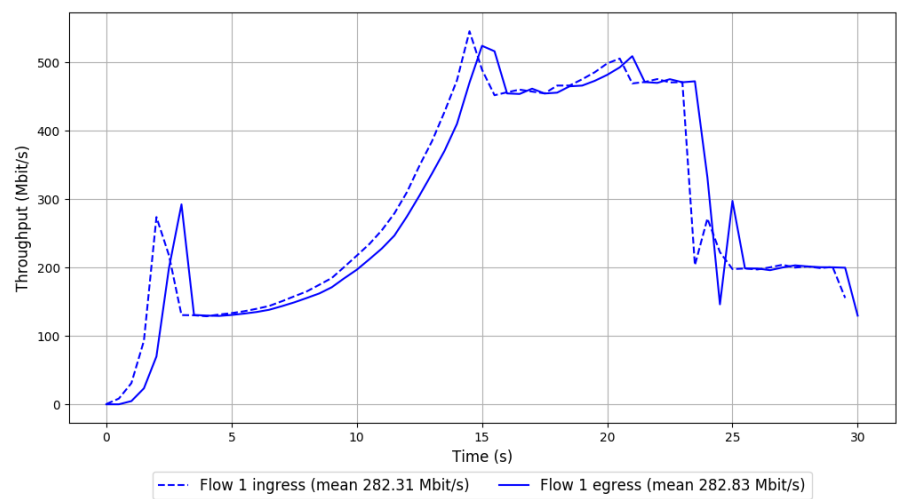
-- Flow 1:

Average throughput: 282.83 Mbit/s

95th percentile per-packet one-way delay: 139.322 ms

Loss rate: 0.47%

Run 2: Report of PCC-Allegro — Data Link



Run 3: Statistics of PCC-Allegro

Start at: 2018-08-22 12:03:09

End at: 2018-08-22 12:03:39

Local clock offset: 2.982 ms

Remote clock offset: -38.733 ms

Below is generated by plot.py at 2018-08-22 15:41:19

Datalink statistics

-- Total of 1 flow:

Average throughput: 389.22 Mbit/s

95th percentile per-packet one-way delay: 142.349 ms

Loss rate: 0.67%

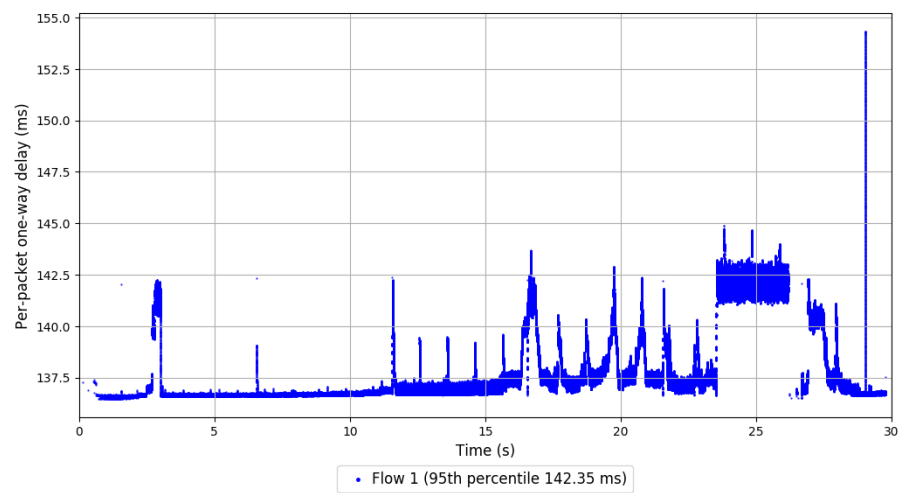
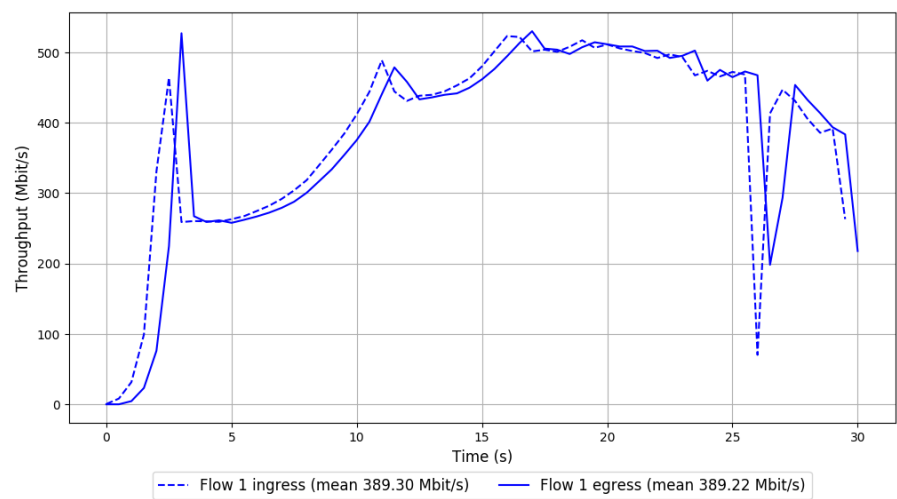
-- Flow 1:

Average throughput: 389.22 Mbit/s

95th percentile per-packet one-way delay: 142.349 ms

Loss rate: 0.67%

Run 3: Report of PCC-Allegro — Data Link



Run 4: Statistics of PCC-Allegro

Start at: 2018-08-22 12:25:05

End at: 2018-08-22 12:25:35

Local clock offset: 2.135 ms

Remote clock offset: -35.682 ms

Below is generated by plot.py at 2018-08-22 15:41:19

Datalink statistics

-- Total of 1 flow:

Average throughput: 330.97 Mbit/s

95th percentile per-packet one-way delay: 136.594 ms

Loss rate: 0.30%

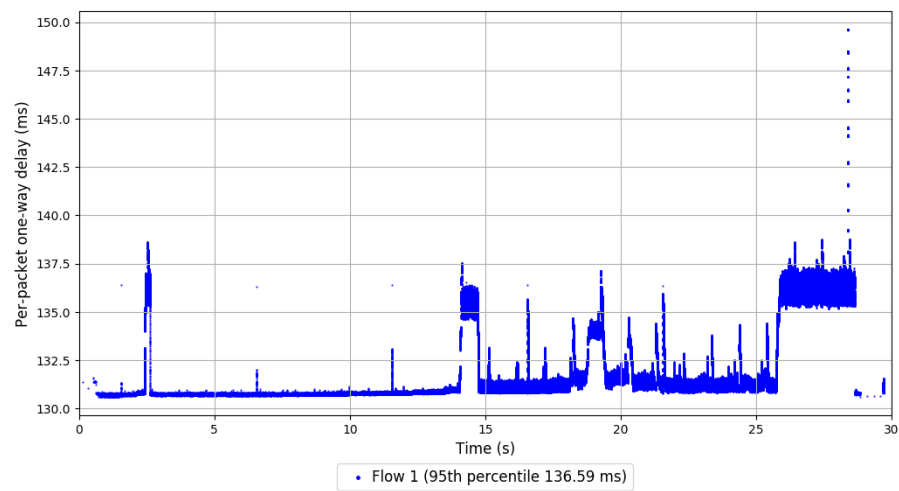
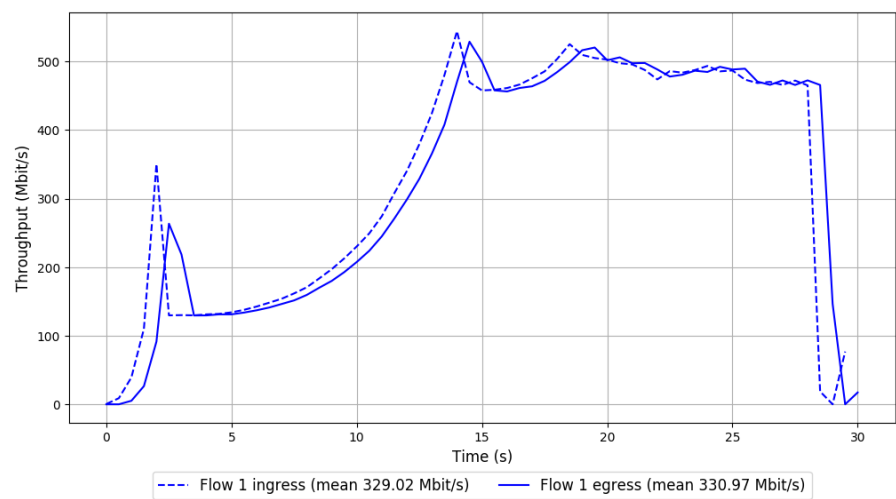
-- Flow 1:

Average throughput: 330.97 Mbit/s

95th percentile per-packet one-way delay: 136.594 ms

Loss rate: 0.30%

Run 4: Report of PCC-Allegro — Data Link



Run 5: Statistics of PCC-Allegro

Start at: 2018-08-22 12:52:37

End at: 2018-08-22 12:53:07

Local clock offset: 1.782 ms

Remote clock offset: -34.3 ms

Below is generated by plot.py at 2018-08-22 15:41:19

Datalink statistics

-- Total of 1 flow:

Average throughput: 311.88 Mbit/s

95th percentile per-packet one-way delay: 134.754 ms

Loss rate: 0.94%

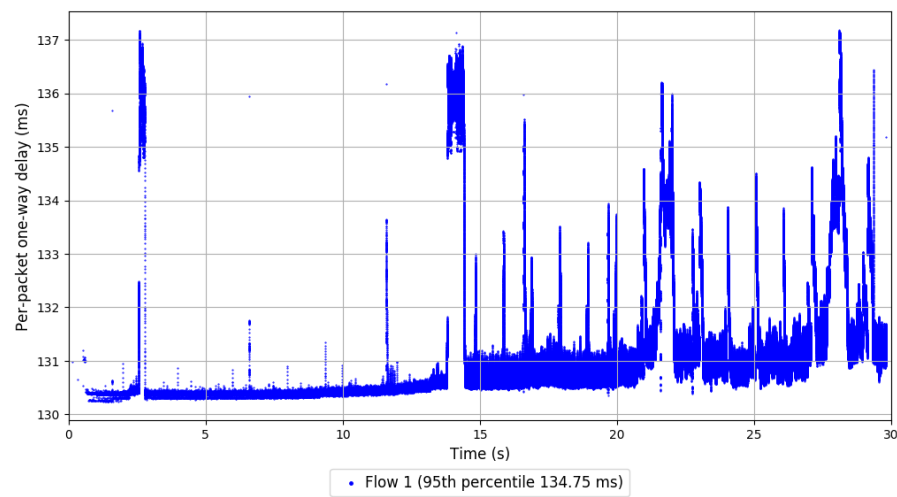
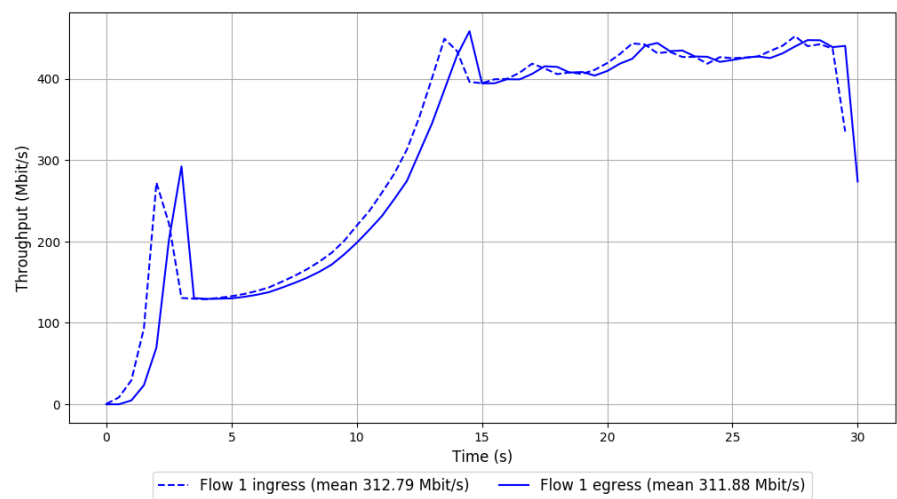
-- Flow 1:

Average throughput: 311.88 Mbit/s

95th percentile per-packet one-way delay: 134.754 ms

Loss rate: 0.94%

Run 5: Report of PCC-Allegro — Data Link

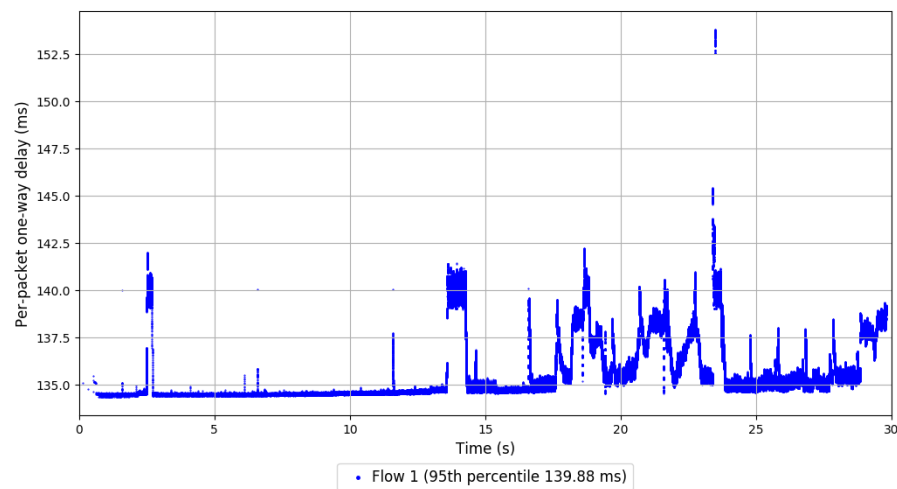
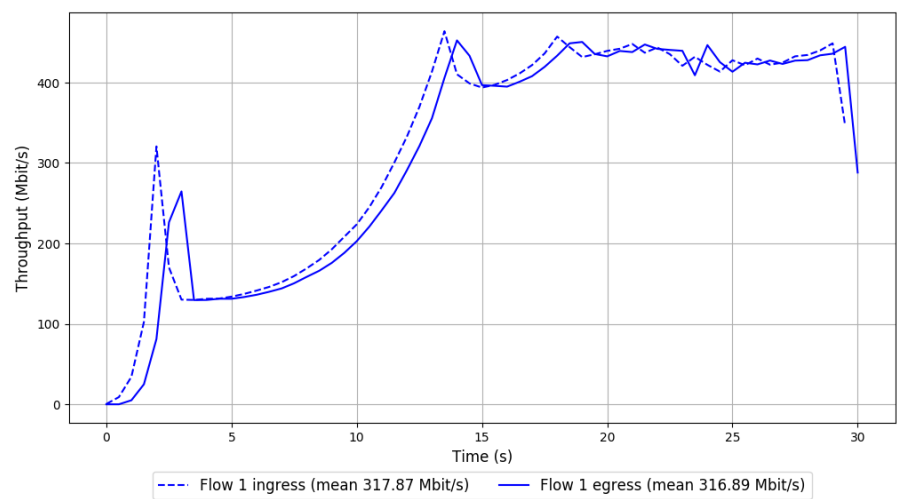


Run 6: Statistics of PCC-Allegro

Start at: 2018-08-22 13:19:53
End at: 2018-08-22 13:20:23
Local clock offset: 1.673 ms
Remote clock offset: -40.163 ms

Below is generated by plot.py at 2018-08-22 15:41:19
Datalink statistics
-- Total of 1 flow:
Average throughput: 316.89 Mbit/s
95th percentile per-packet one-way delay: 139.882 ms
Loss rate: 0.97%
-- Flow 1:
Average throughput: 316.89 Mbit/s
95th percentile per-packet one-way delay: 139.882 ms
Loss rate: 0.97%

Run 6: Report of PCC-Allegro — Data Link



Run 7: Statistics of PCC-Allegro

Start at: 2018-08-22 13:47:37

End at: 2018-08-22 13:48:07

Local clock offset: -3.723 ms

Remote clock offset: -34.664 ms

Below is generated by plot.py at 2018-08-22 15:41:19

Datalink statistics

-- Total of 1 flow:

Average throughput: 314.38 Mbit/s

95th percentile per-packet one-way delay: 129.250 ms

Loss rate: 0.41%

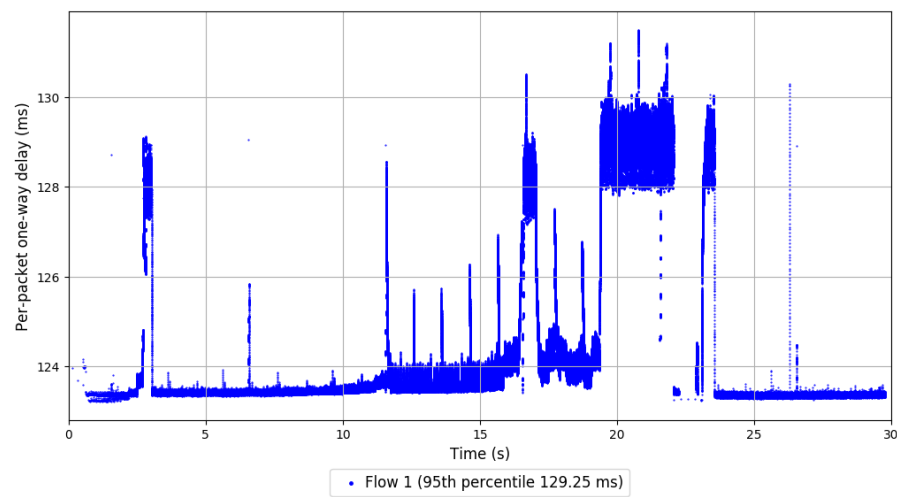
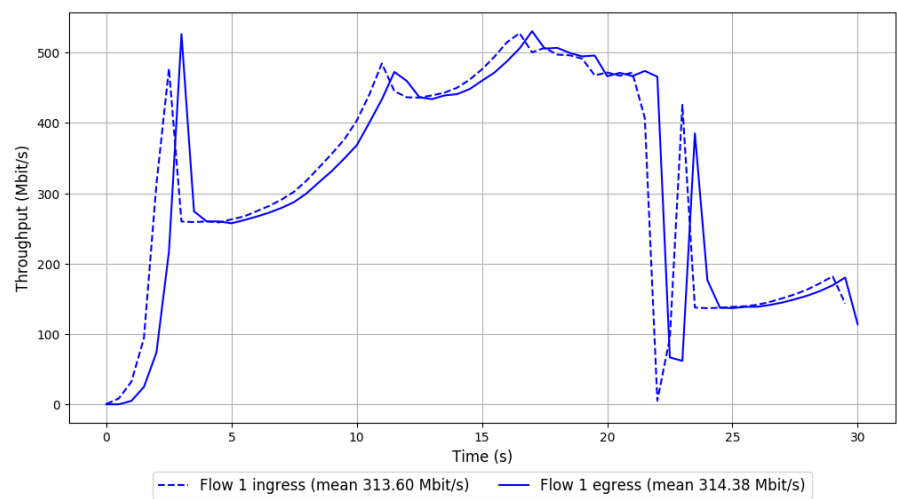
-- Flow 1:

Average throughput: 314.38 Mbit/s

95th percentile per-packet one-way delay: 129.250 ms

Loss rate: 0.41%

Run 7: Report of PCC-Allegro — Data Link



Run 8: Statistics of PCC-Allegro

Start at: 2018-08-22 14:09:30

End at: 2018-08-22 14:10:00

Local clock offset: -1.028 ms

Remote clock offset: -36.129 ms

Below is generated by plot.py at 2018-08-22 15:41:55

Datalink statistics

-- Total of 1 flow:

Average throughput: 414.69 Mbit/s

95th percentile per-packet one-way delay: 132.562 ms

Loss rate: 0.80%

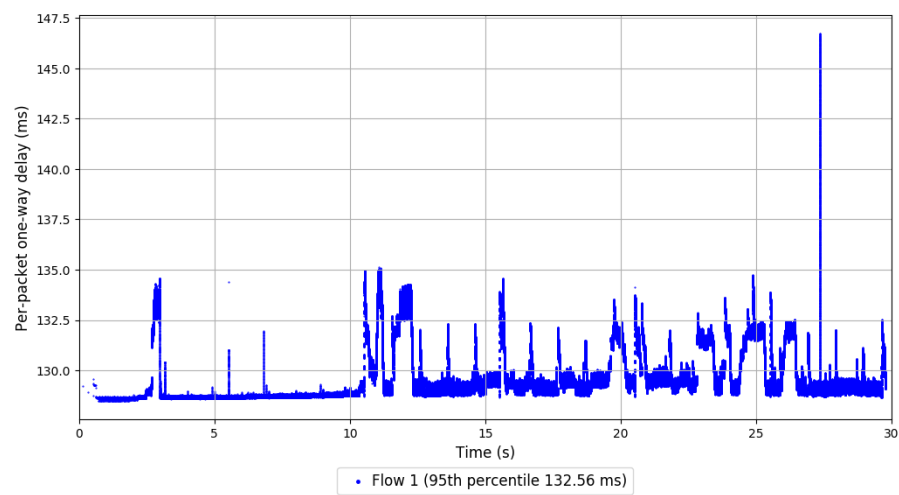
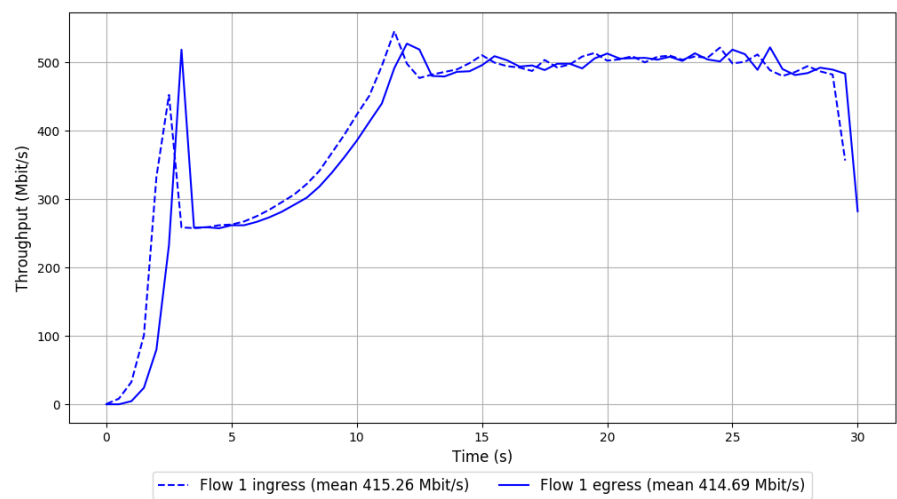
-- Flow 1:

Average throughput: 414.69 Mbit/s

95th percentile per-packet one-way delay: 132.562 ms

Loss rate: 0.80%

Run 8: Report of PCC-Allegro — Data Link



Run 9: Statistics of PCC-Allegro

Start at: 2018-08-22 14:42:37

End at: 2018-08-22 14:43:07

Local clock offset: 1.263 ms

Remote clock offset: -38.914 ms

Below is generated by plot.py at 2018-08-22 15:44:42

Datalink statistics

-- Total of 1 flow:

Average throughput: 397.00 Mbit/s

95th percentile per-packet one-way delay: 134.386 ms

Loss rate: 0.80%

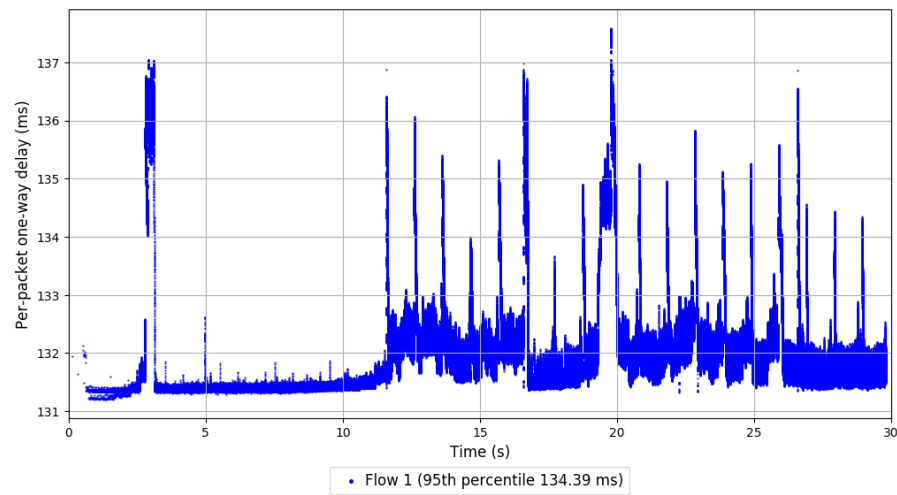
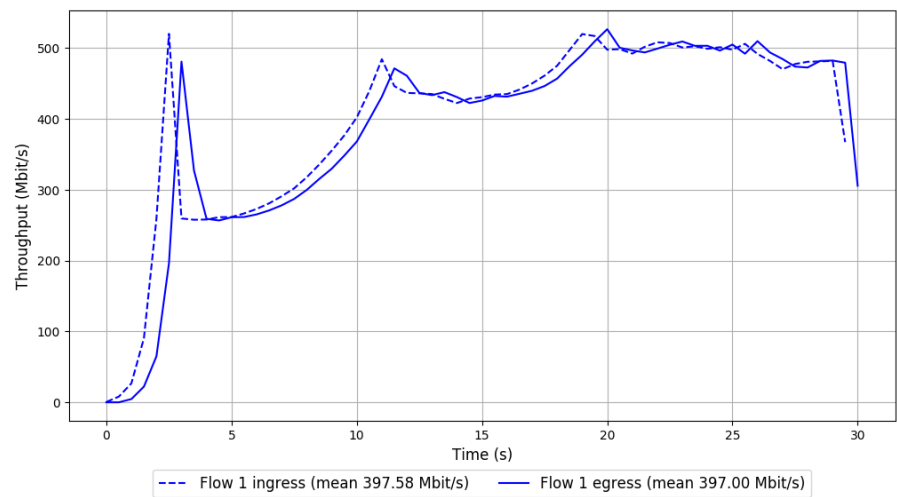
-- Flow 1:

Average throughput: 397.00 Mbit/s

95th percentile per-packet one-way delay: 134.386 ms

Loss rate: 0.80%

Run 9: Report of PCC-Allegro — Data Link



Run 10: Statistics of PCC-Allegro

Start at: 2018-08-22 15:04:25

End at: 2018-08-22 15:04:55

Local clock offset: 1.748 ms

Remote clock offset: -42.953 ms

Below is generated by plot.py at 2018-08-22 15:44:51

Datalink statistics

-- Total of 1 flow:

Average throughput: 386.15 Mbit/s

95th percentile per-packet one-way delay: 136.060 ms

Loss rate: 0.86%

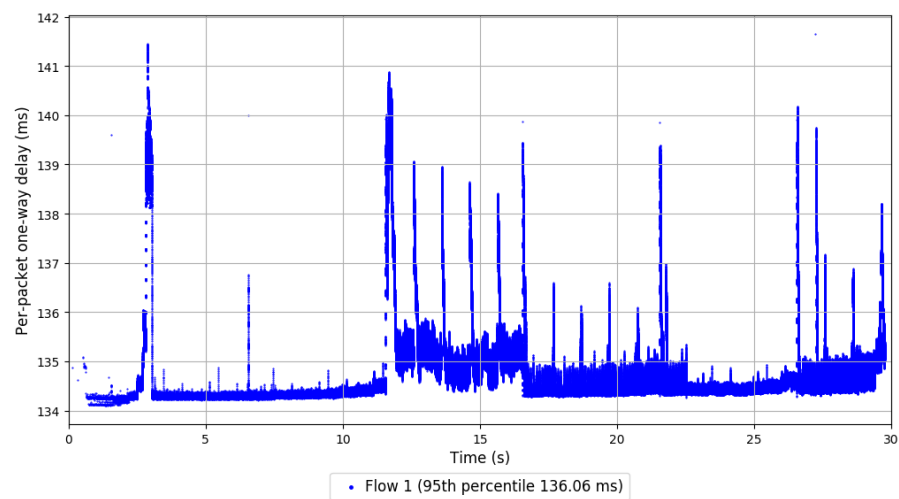
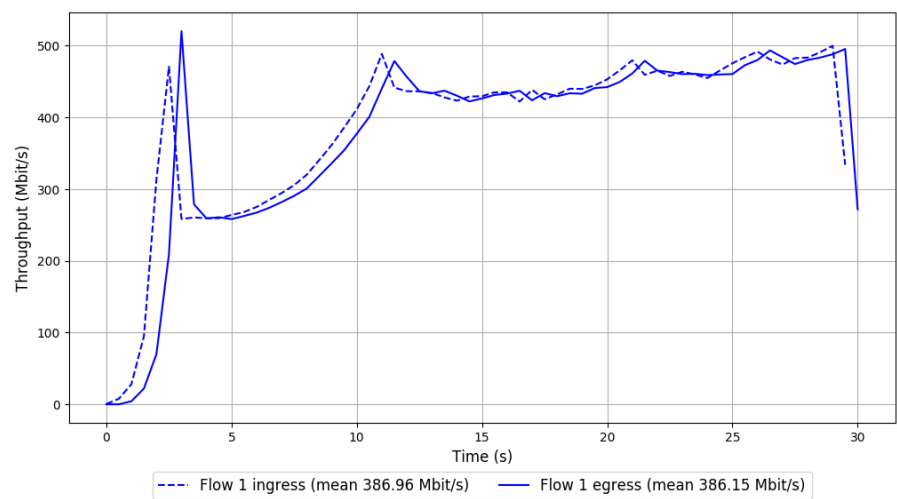
-- Flow 1:

Average throughput: 386.15 Mbit/s

95th percentile per-packet one-way delay: 136.060 ms

Loss rate: 0.86%

Run 10: Report of PCC-Allegro — Data Link

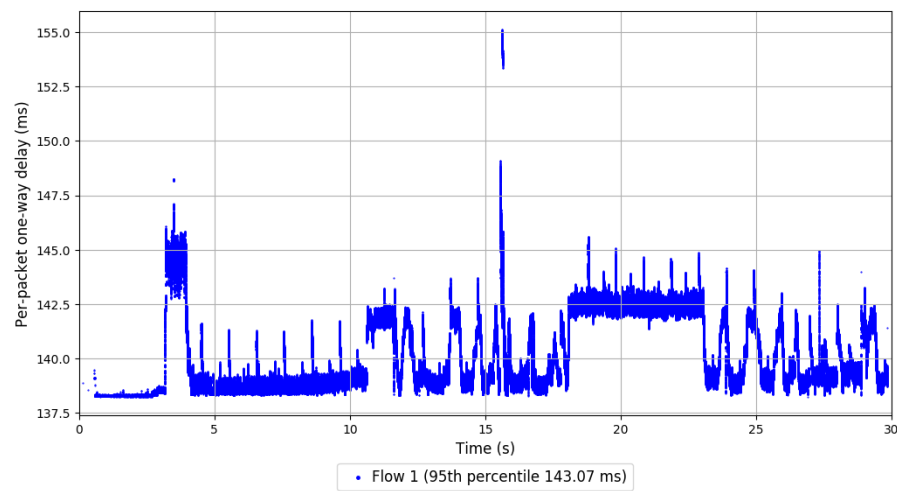
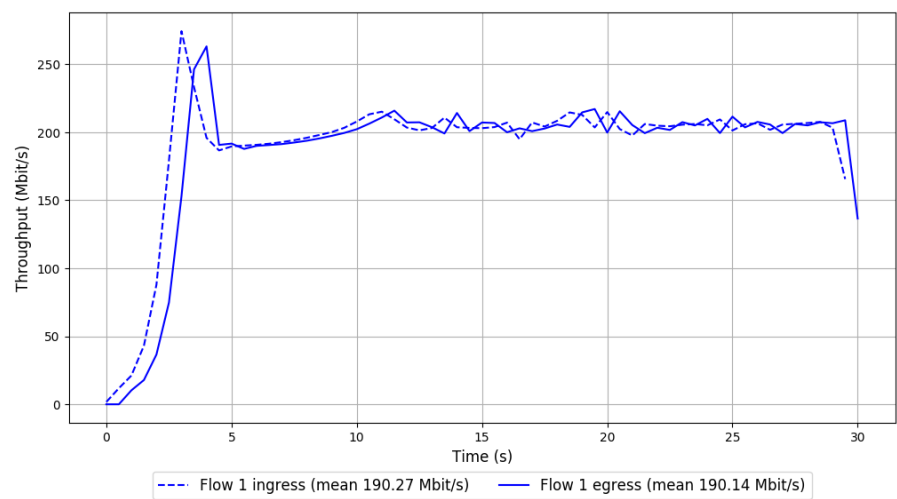


```
Run 1: Statistics of PCC-Expr

Start at: 2018-08-22 11:04:06
End at: 2018-08-22 11:04:36
Local clock offset: 0.958 ms
Remote clock offset: -40.547 ms

# Below is generated by plot.py at 2018-08-22 15:44:51
# Datalink statistics
-- Total of 1 flow:
Average throughput: 190.14 Mbit/s
95th percentile per-packet one-way delay: 143.069 ms
Loss rate: 0.73%
-- Flow 1:
Average throughput: 190.14 Mbit/s
95th percentile per-packet one-way delay: 143.069 ms
Loss rate: 0.73%
```


Run 1: Report of PCC-Expr — Data Link

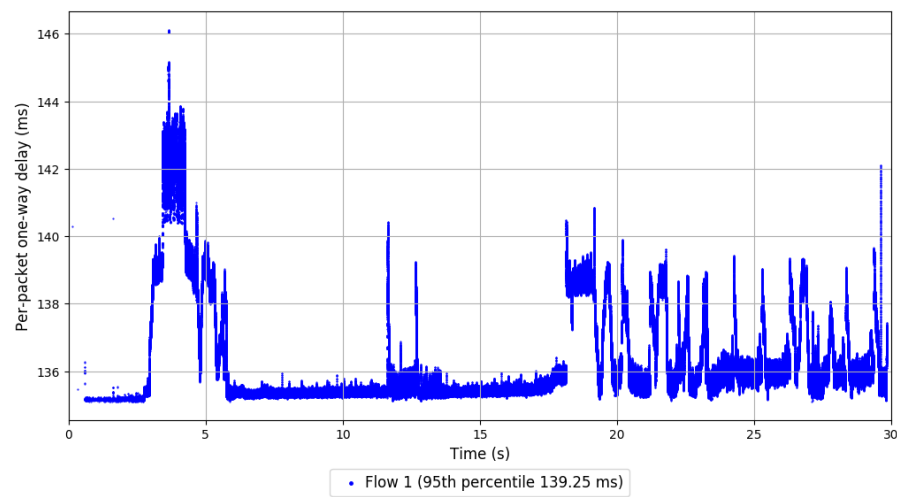
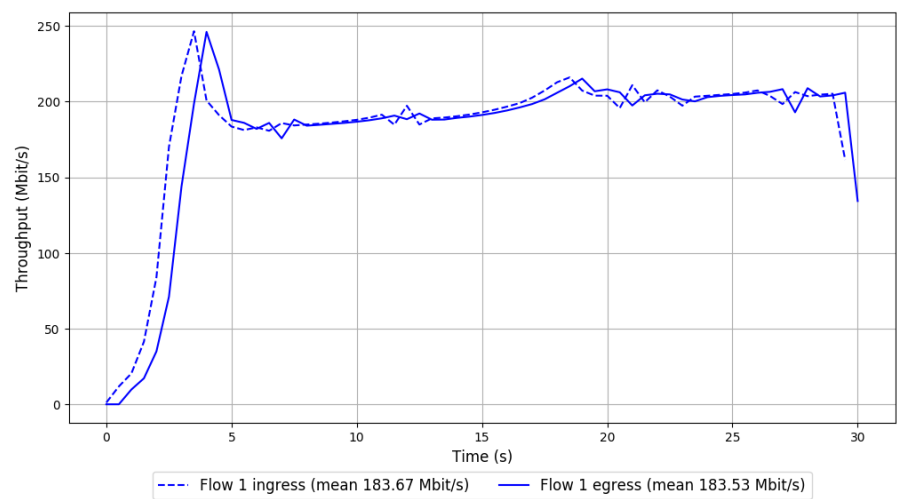


Run 2: Statistics of PCC-Expr

Start at: 2018-08-22 11:26:21
End at: 2018-08-22 11:26:51
Local clock offset: 2.471 ms
Remote clock offset: -37.859 ms

Below is generated by plot.py at 2018-08-22 15:44:51
Datalink statistics
-- Total of 1 flow:
Average throughput: 183.53 Mbit/s
95th percentile per-packet one-way delay: 139.248 ms
Loss rate: 0.75%
-- Flow 1:
Average throughput: 183.53 Mbit/s
95th percentile per-packet one-way delay: 139.248 ms
Loss rate: 0.75%

Run 2: Report of PCC-Expr — Data Link

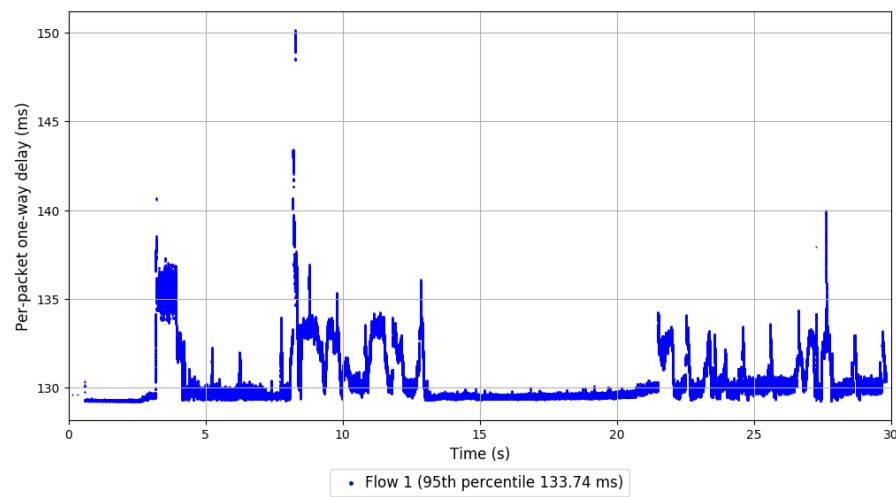
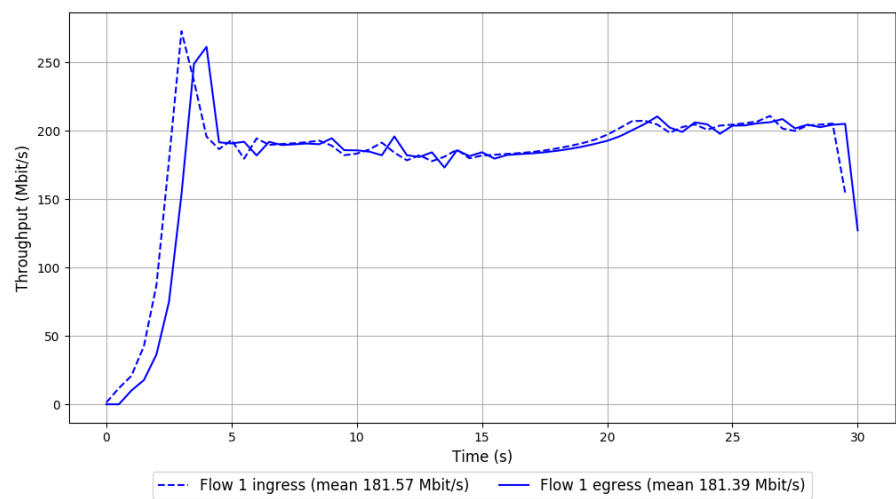


Run 3: Statistics of PCC-Expr

Start at: 2018-08-22 11:48:12
End at: 2018-08-22 11:48:42
Local clock offset: 0.842 ms
Remote clock offset: -34.712 ms

Below is generated by plot.py at 2018-08-22 15:44:51
Datalink statistics
-- Total of 1 flow:
Average throughput: 181.39 Mbit/s
95th percentile per-packet one-way delay: 133.740 ms
Loss rate: 0.75%
-- Flow 1:
Average throughput: 181.39 Mbit/s
95th percentile per-packet one-way delay: 133.740 ms
Loss rate: 0.75%

Run 3: Report of PCC-Expr — Data Link

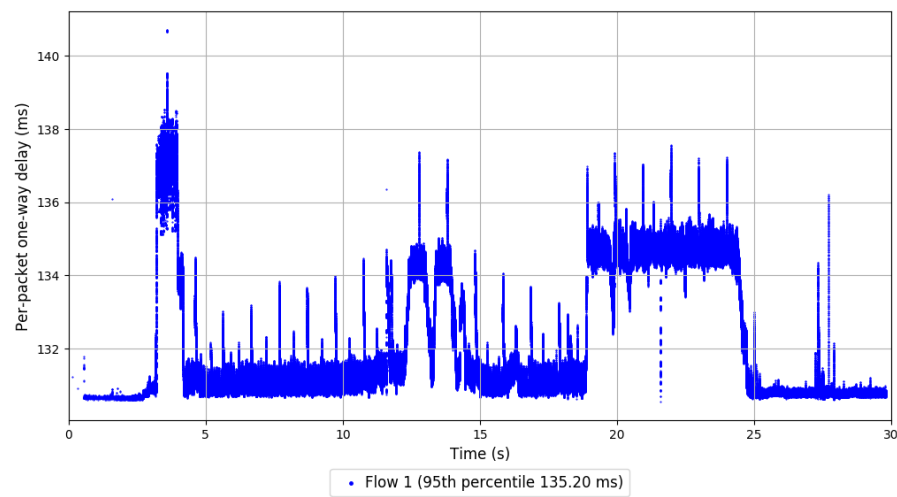
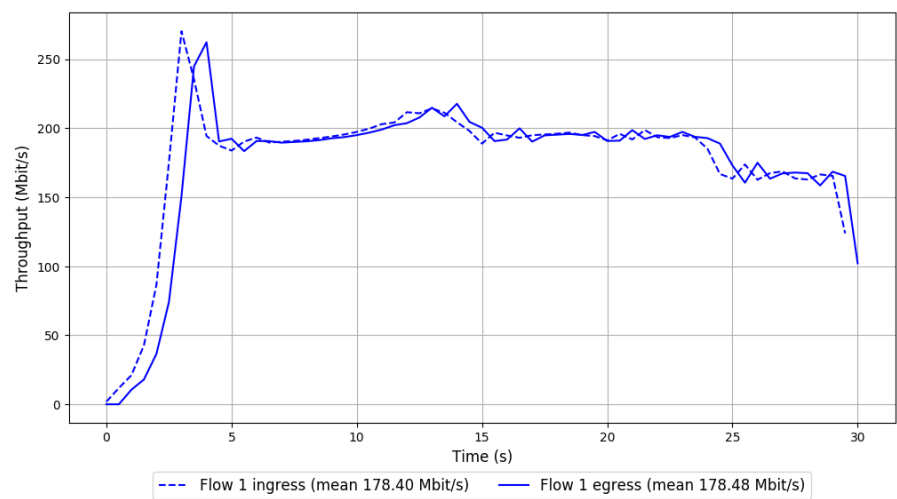


Run 4: Statistics of PCC-Expr

Start at: 2018-08-22 12:15:41
End at: 2018-08-22 12:16:11
Local clock offset: 1.72 ms
Remote clock offset: -34.594 ms

Below is generated by plot.py at 2018-08-22 15:44:51
Datalink statistics
-- Total of 1 flow:
Average throughput: 178.48 Mbit/s
95th percentile per-packet one-way delay: 135.200 ms
Loss rate: 0.61%
-- Flow 1:
Average throughput: 178.48 Mbit/s
95th percentile per-packet one-way delay: 135.200 ms
Loss rate: 0.61%

Run 4: Report of PCC-Expr — Data Link

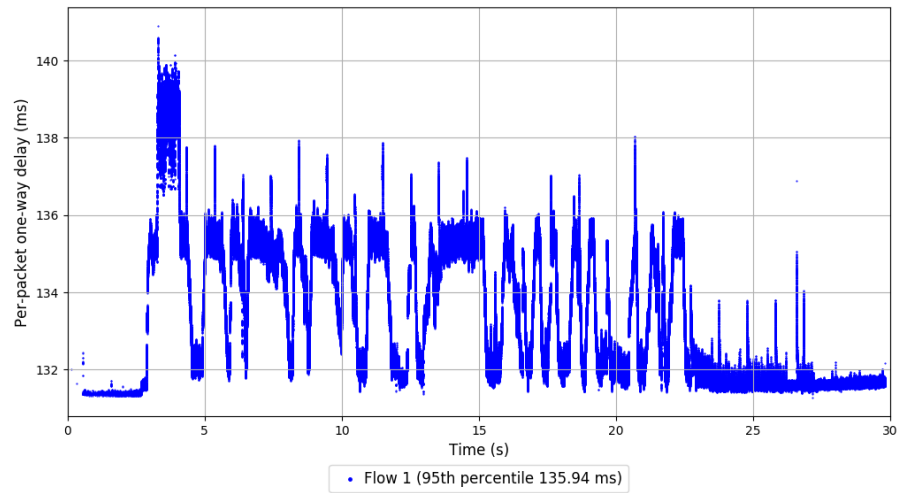
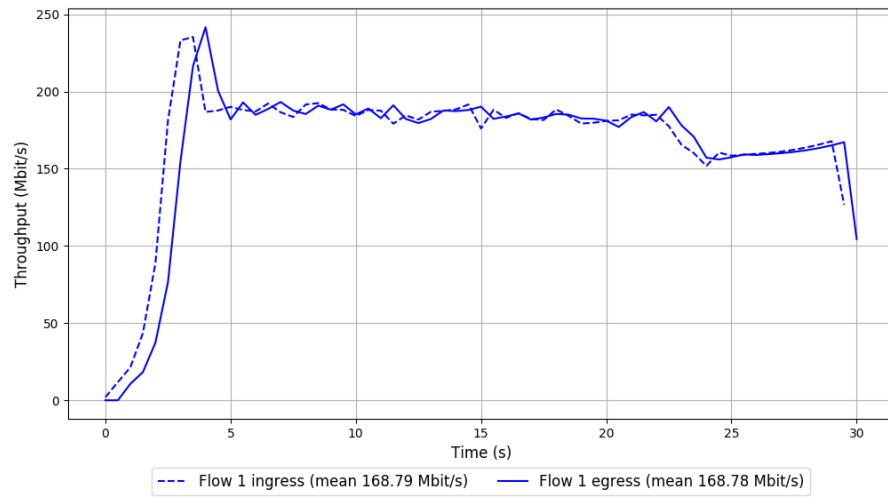


Run 5: Statistics of PCC-Expr

Start at: 2018-08-22 12:43:21
End at: 2018-08-22 12:43:51
Local clock offset: 1.593 ms
Remote clock offset: -35.527 ms

Below is generated by plot.py at 2018-08-22 15:44:56
Datalink statistics
-- Total of 1 flow:
Average throughput: 168.78 Mbit/s
95th percentile per-packet one-way delay: 135.944 ms
Loss rate: 0.66%
-- Flow 1:
Average throughput: 168.78 Mbit/s
95th percentile per-packet one-way delay: 135.944 ms
Loss rate: 0.66%

Run 5: Report of PCC-Expr — Data Link

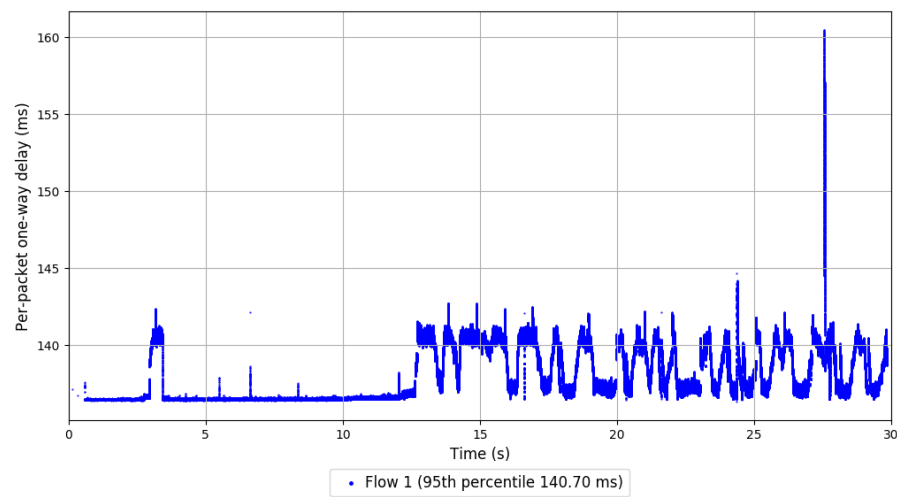
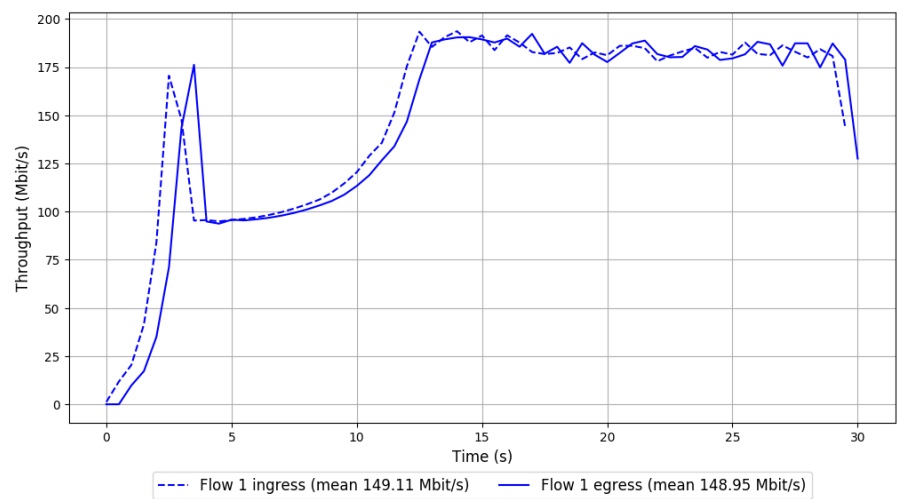


Run 6: Statistics of PCC-Expr

Start at: 2018-08-22 13:05:03
End at: 2018-08-22 13:05:33
Local clock offset: 2.869 ms
Remote clock offset: -39.498 ms

Below is generated by plot.py at 2018-08-22 15:45:25
Datalink statistics
-- Total of 1 flow:
Average throughput: 148.95 Mbit/s
95th percentile per-packet one-way delay: 140.703 ms
Loss rate: 0.76%
-- Flow 1:
Average throughput: 148.95 Mbit/s
95th percentile per-packet one-way delay: 140.703 ms
Loss rate: 0.76%

Run 6: Report of PCC-Expr — Data Link

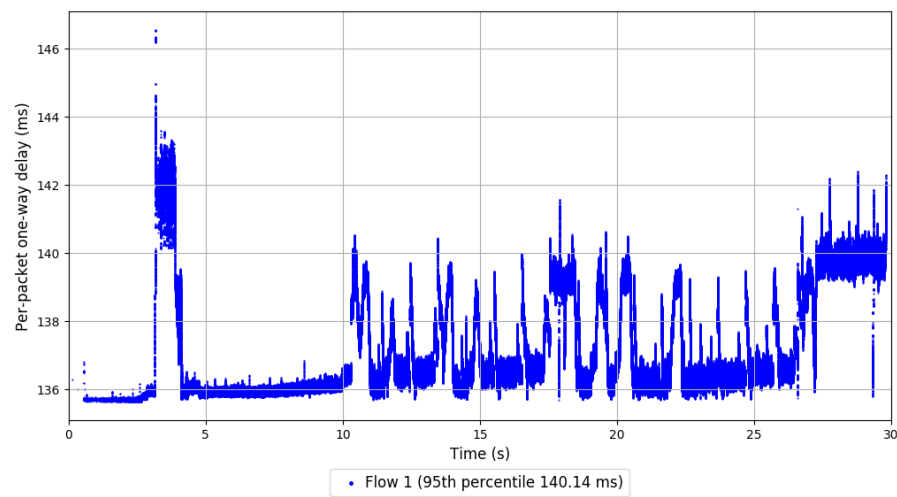
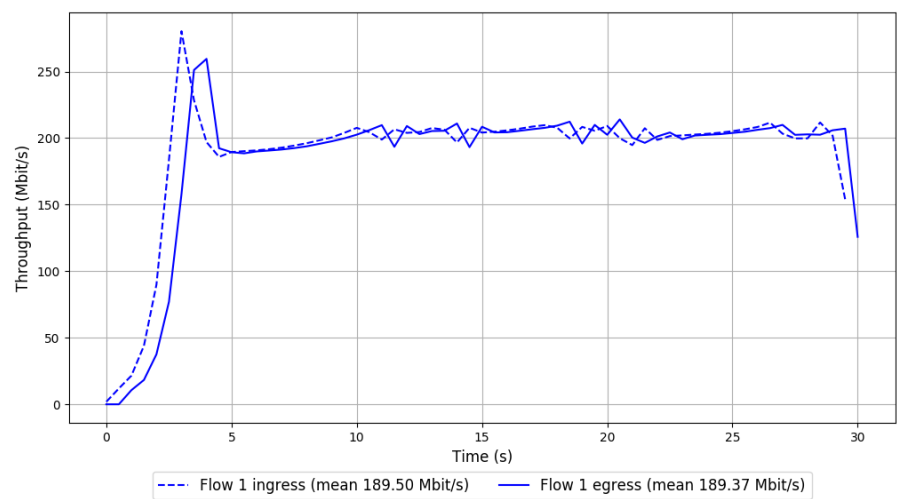


Run 7: Statistics of PCC-Expr

Start at: 2018-08-22 13:32:30
End at: 2018-08-22 13:33:00
Local clock offset: 2.97 ms
Remote clock offset: -40.243 ms

Below is generated by plot.py at 2018-08-22 15:48:19
Datalink statistics
-- Total of 1 flow:
Average throughput: 189.37 Mbit/s
95th percentile per-packet one-way delay: 140.136 ms
Loss rate: 0.73%
-- Flow 1:
Average throughput: 189.37 Mbit/s
95th percentile per-packet one-way delay: 140.136 ms
Loss rate: 0.73%

Run 7: Report of PCC-Expr — Data Link

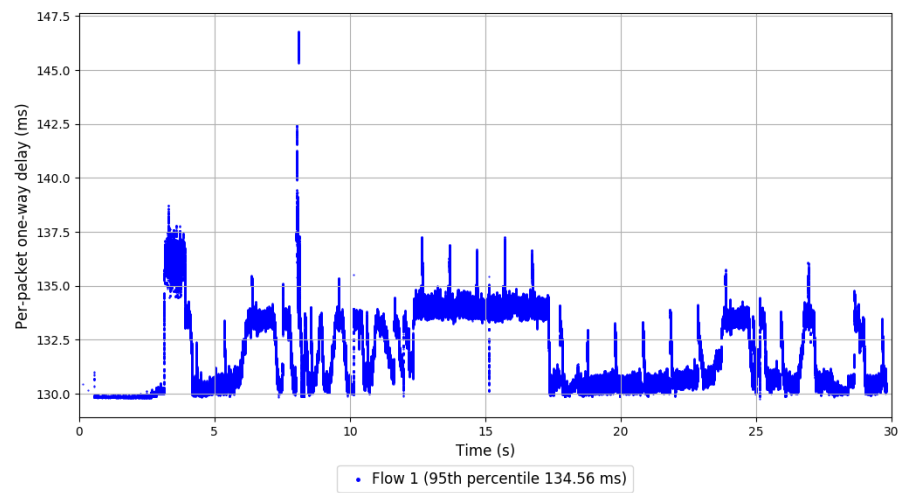
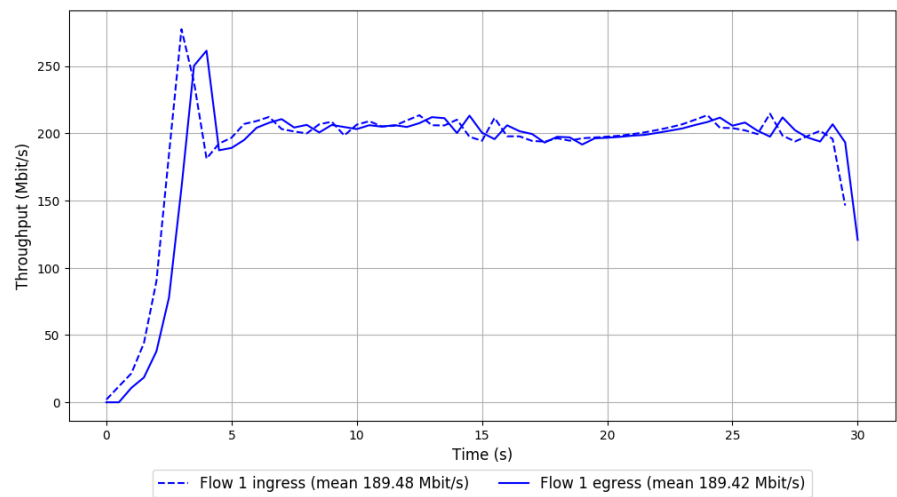


Run 8: Statistics of PCC-Expr

Start at: 2018-08-22 14:00:06
End at: 2018-08-22 14:00:36
Local clock offset: 0.848 ms
Remote clock offset: -36.664 ms

Below is generated by plot.py at 2018-08-22 15:48:20
Datalink statistics
-- Total of 1 flow:
Average throughput: 189.42 Mbit/s
95th percentile per-packet one-way delay: 134.561 ms
Loss rate: 0.69%
-- Flow 1:
Average throughput: 189.42 Mbit/s
95th percentile per-packet one-way delay: 134.561 ms
Loss rate: 0.69%

Run 8: Report of PCC-Expr — Data Link

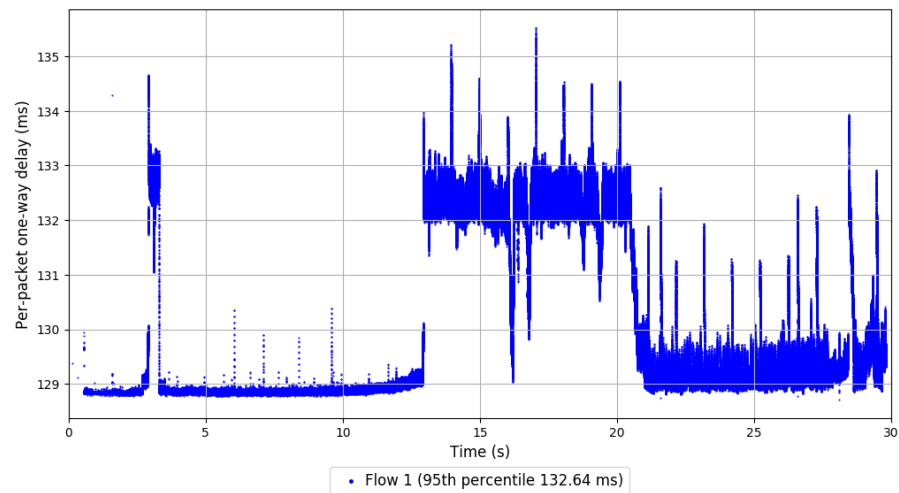
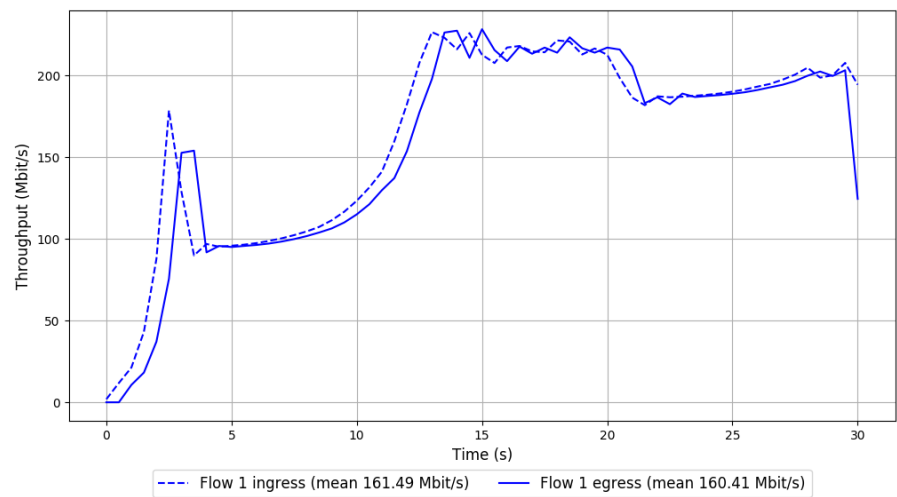


Run 9: Statistics of PCC-Expr

Start at: 2018-08-22 14:27:43
End at: 2018-08-22 14:28:13
Local clock offset: 0.355 ms
Remote clock offset: -36.13 ms

Below is generated by plot.py at 2018-08-22 15:48:20
Datalink statistics
-- Total of 1 flow:
Average throughput: 160.41 Mbit/s
95th percentile per-packet one-way delay: 132.644 ms
Loss rate: 3.33%
-- Flow 1:
Average throughput: 160.41 Mbit/s
95th percentile per-packet one-way delay: 132.644 ms
Loss rate: 3.33%

Run 9: Report of PCC-Expr — Data Link

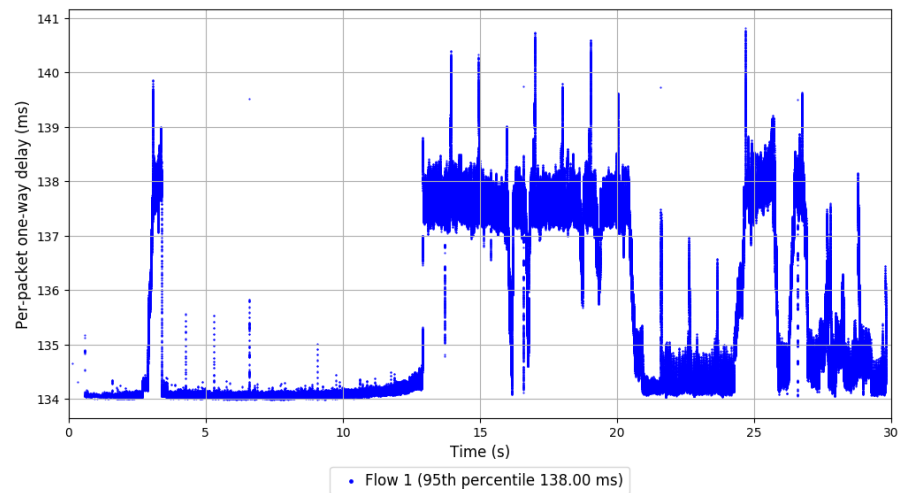
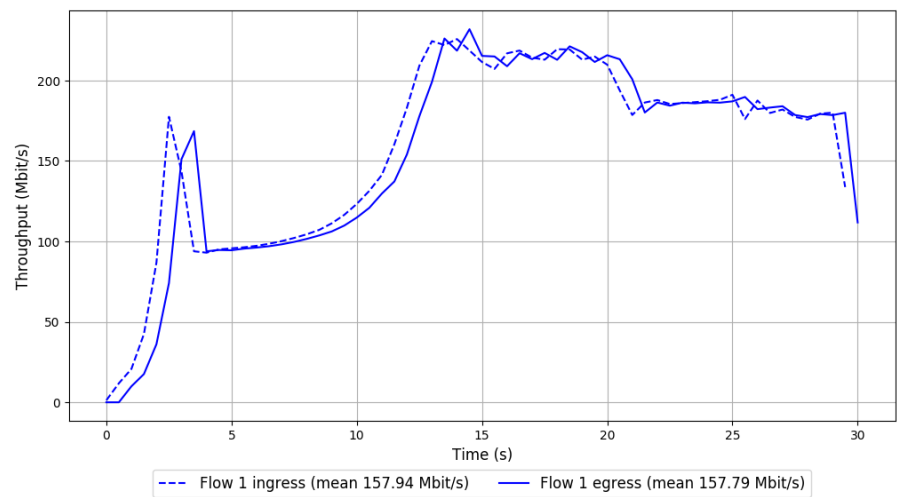


Run 10: Statistics of PCC-Expr

Start at: 2018-08-22 14:55:07
End at: 2018-08-22 14:55:37
Local clock offset: 0.157 ms
Remote clock offset: -43.995 ms

Below is generated by plot.py at 2018-08-22 15:48:20
Datalink statistics
-- Total of 1 flow:
Average throughput: 157.79 Mbit/s
95th percentile per-packet one-way delay: 137.996 ms
Loss rate: 0.75%
-- Flow 1:
Average throughput: 157.79 Mbit/s
95th percentile per-packet one-way delay: 137.996 ms
Loss rate: 0.75%

Run 10: Report of PCC-Expr — Data Link

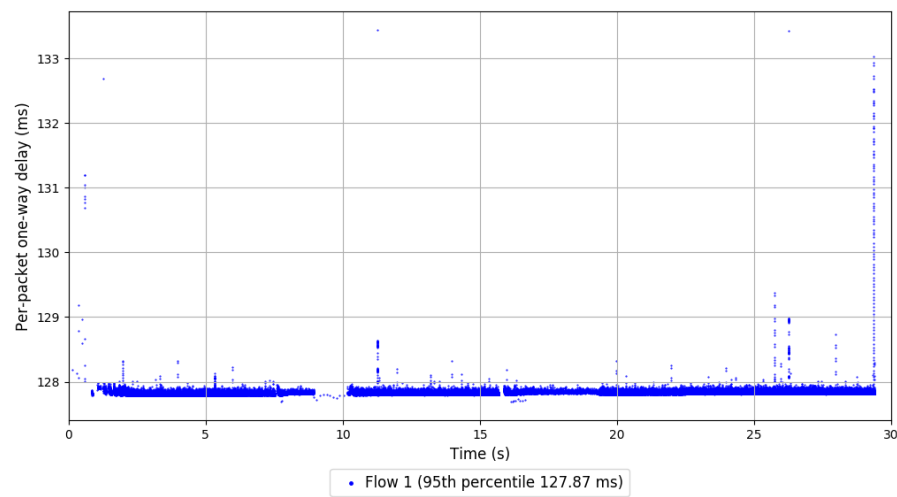
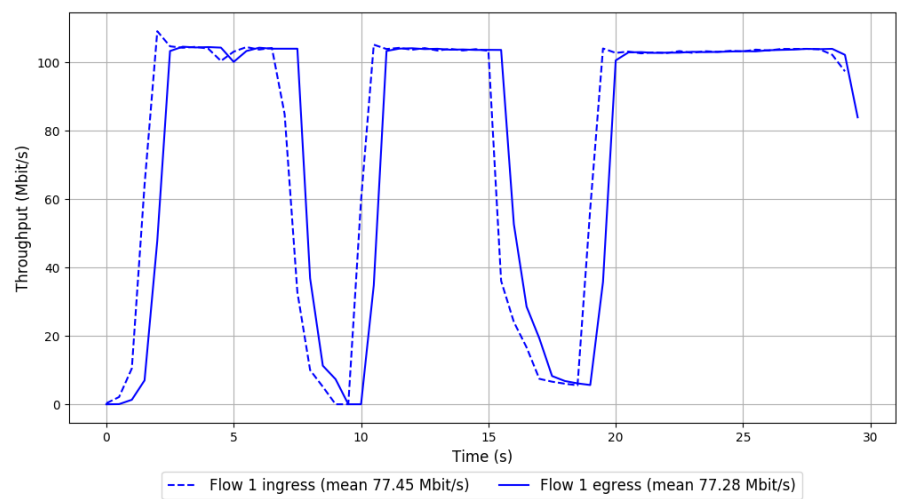


Run 1: Statistics of QUIC Cubic

Start at: 2018-08-22 11:01:30
End at: 2018-08-22 11:02:00
Local clock offset: 0.047 ms
Remote clock offset: -32.235 ms

Below is generated by plot.py at 2018-08-22 15:48:20
Datalink statistics
-- Total of 1 flow:
Average throughput: 77.28 Mbit/s
95th percentile per-packet one-way delay: 127.867 ms
Loss rate: 0.88%
-- Flow 1:
Average throughput: 77.28 Mbit/s
95th percentile per-packet one-way delay: 127.867 ms
Loss rate: 0.88%

Run 1: Report of QUIC Cubic — Data Link

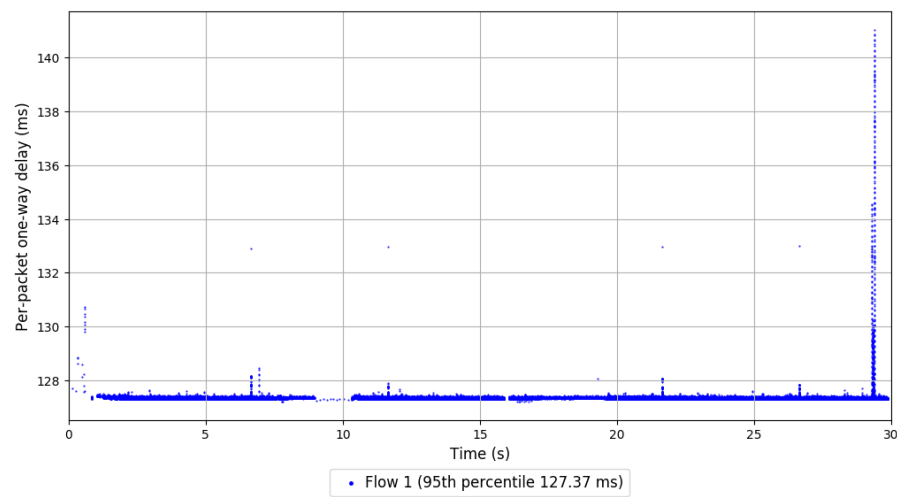
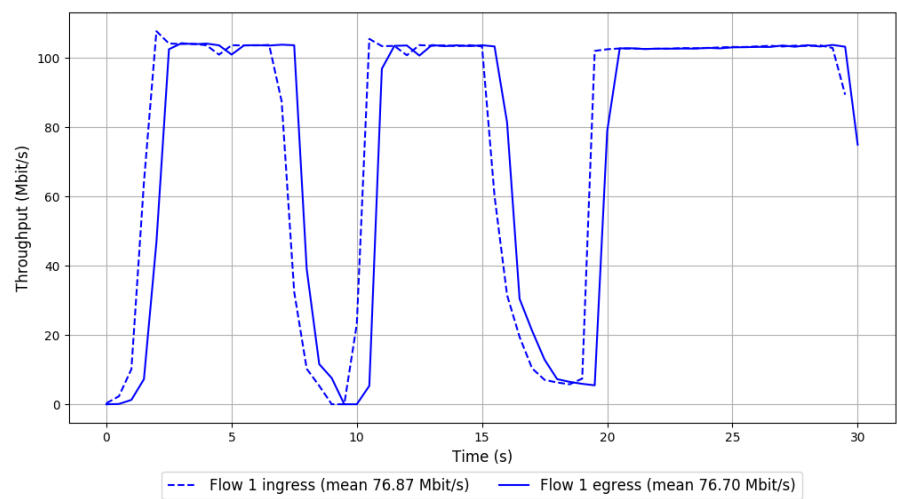


Run 2: Statistics of QUIC Cubic

Start at: 2018-08-22 11:23:52
End at: 2018-08-22 11:24:22
Local clock offset: 0.532 ms
Remote clock offset: -31.918 ms

Below is generated by plot.py at 2018-08-22 15:48:20
Datalink statistics
-- Total of 1 flow:
Average throughput: 76.70 Mbit/s
95th percentile per-packet one-way delay: 127.368 ms
Loss rate: 0.88%
-- Flow 1:
Average throughput: 76.70 Mbit/s
95th percentile per-packet one-way delay: 127.368 ms
Loss rate: 0.88%

Run 2: Report of QUIC Cubic — Data Link

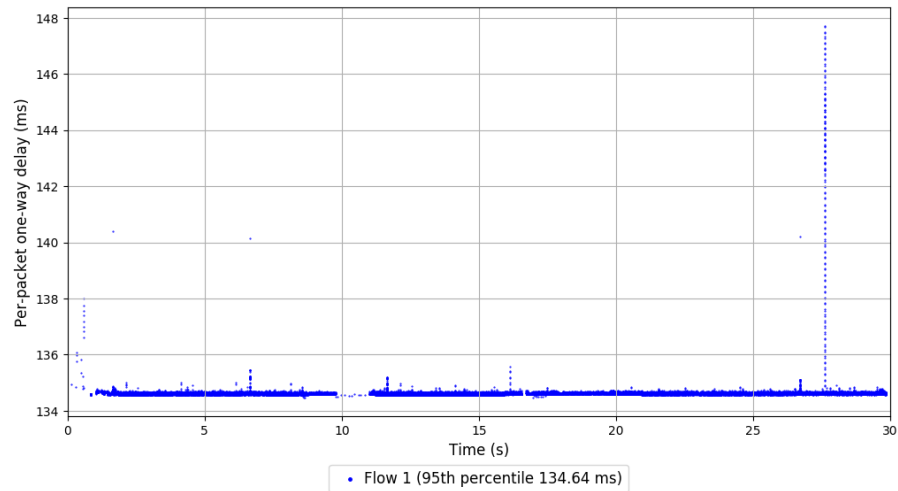
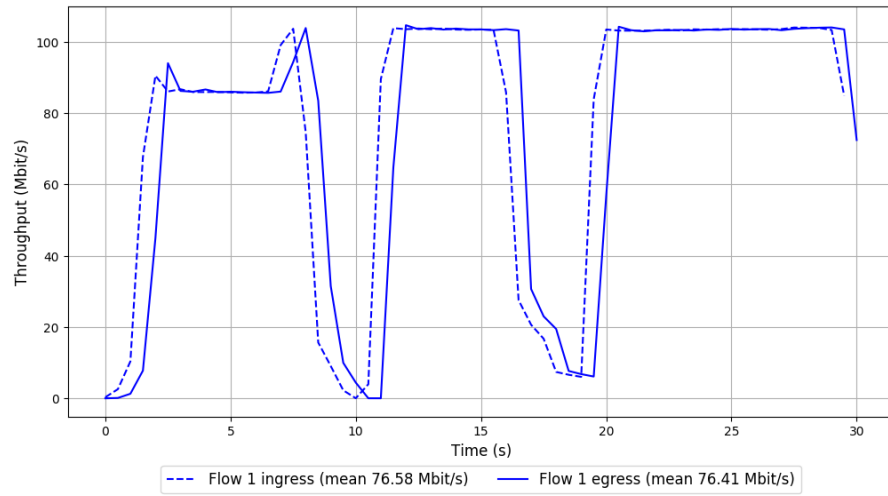


Run 3: Statistics of QUIC Cubic

Start at: 2018-08-22 11:45:43
End at: 2018-08-22 11:46:13
Local clock offset: 2.538 ms
Remote clock offset: -38.366 ms

Below is generated by plot.py at 2018-08-22 15:48:20
Datalink statistics
-- Total of 1 flow:
Average throughput: 76.41 Mbit/s
95th percentile per-packet one-way delay: 134.639 ms
Loss rate: 0.88%
-- Flow 1:
Average throughput: 76.41 Mbit/s
95th percentile per-packet one-way delay: 134.639 ms
Loss rate: 0.88%

Run 3: Report of QUIC Cubic — Data Link

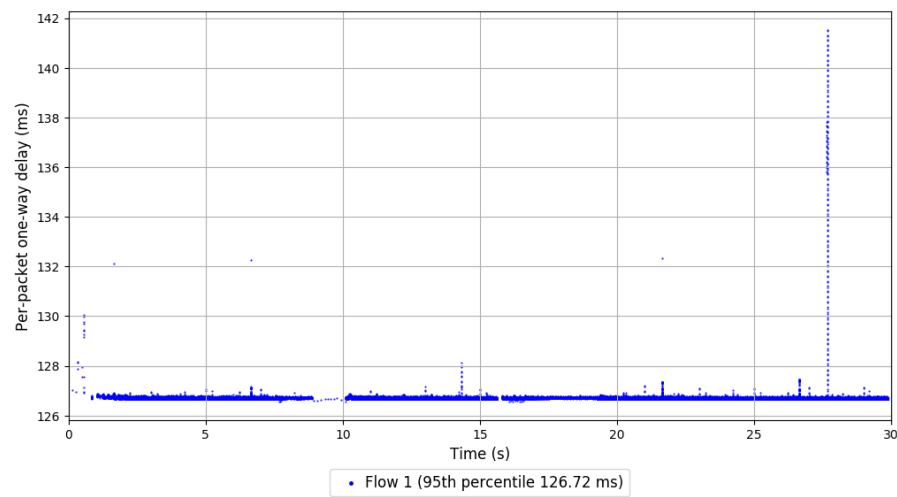
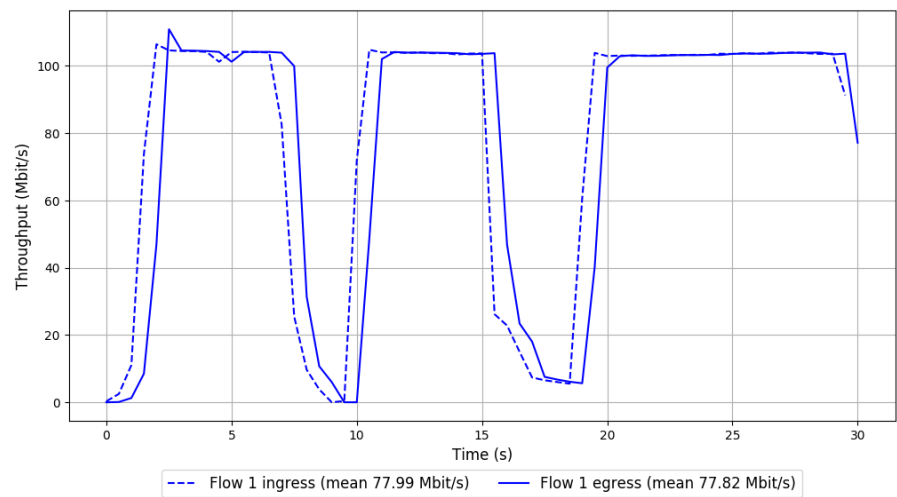


Run 4: Statistics of QUIC Cubic

Start at: 2018-08-22 12:13:12
End at: 2018-08-22 12:13:42
Local clock offset: 1.443 ms
Remote clock offset: -31.976 ms

Below is generated by plot.py at 2018-08-22 15:48:20
Datalink statistics
-- Total of 1 flow:
Average throughput: 77.82 Mbit/s
95th percentile per-packet one-way delay: 126.724 ms
Loss rate: 0.86%
-- Flow 1:
Average throughput: 77.82 Mbit/s
95th percentile per-packet one-way delay: 126.724 ms
Loss rate: 0.86%

Run 4: Report of QUIC Cubic — Data Link

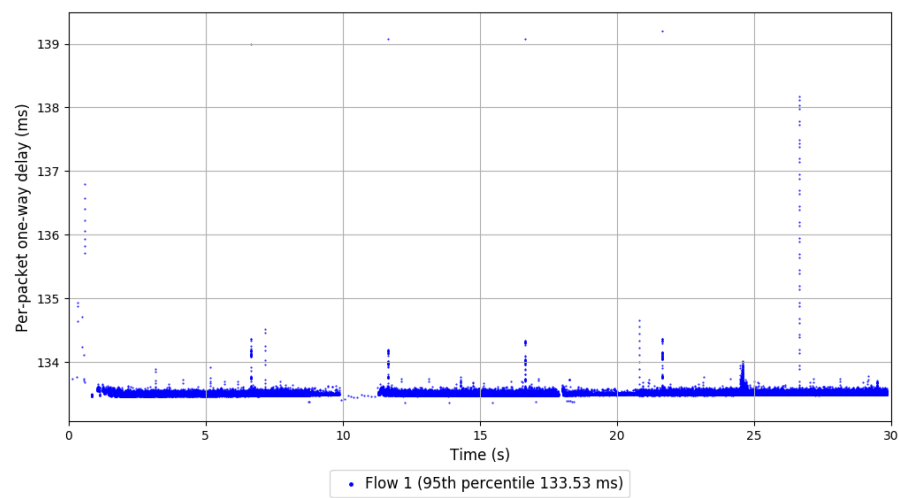
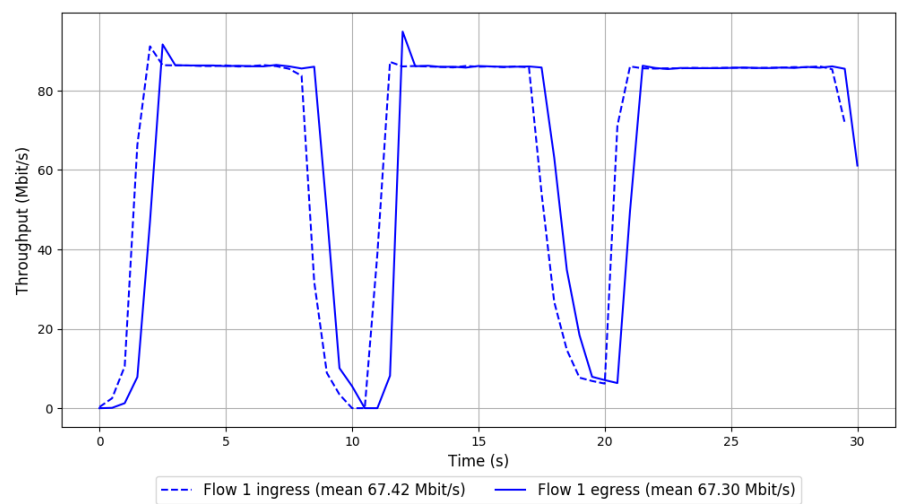


Run 5: Statistics of QUIC Cubic

Start at: 2018-08-22 12:40:52
End at: 2018-08-22 12:41:22
Local clock offset: 0.85 ms
Remote clock offset: -38.547 ms

Below is generated by plot.py at 2018-08-22 15:48:20
Datalink statistics
-- Total of 1 flow:
Average throughput: 67.30 Mbit/s
95th percentile per-packet one-way delay: 133.533 ms
Loss rate: 0.83%
-- Flow 1:
Average throughput: 67.30 Mbit/s
95th percentile per-packet one-way delay: 133.533 ms
Loss rate: 0.83%

Run 5: Report of QUIC Cubic — Data Link

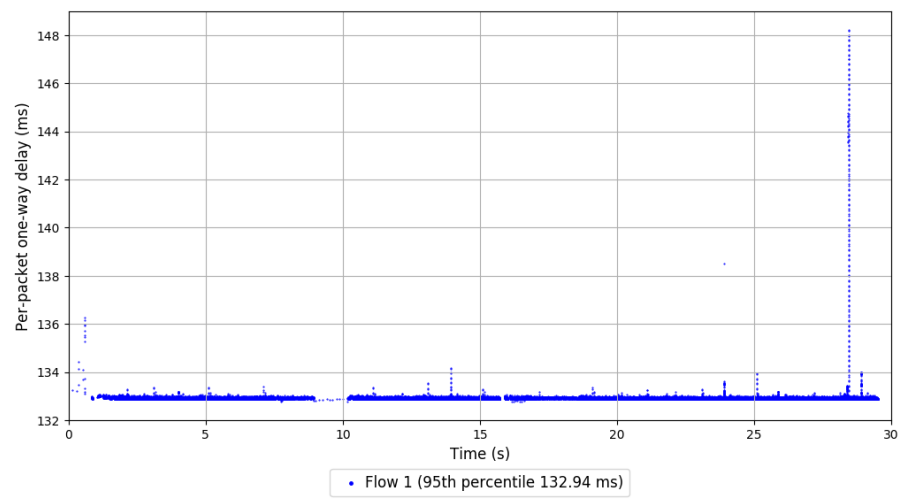
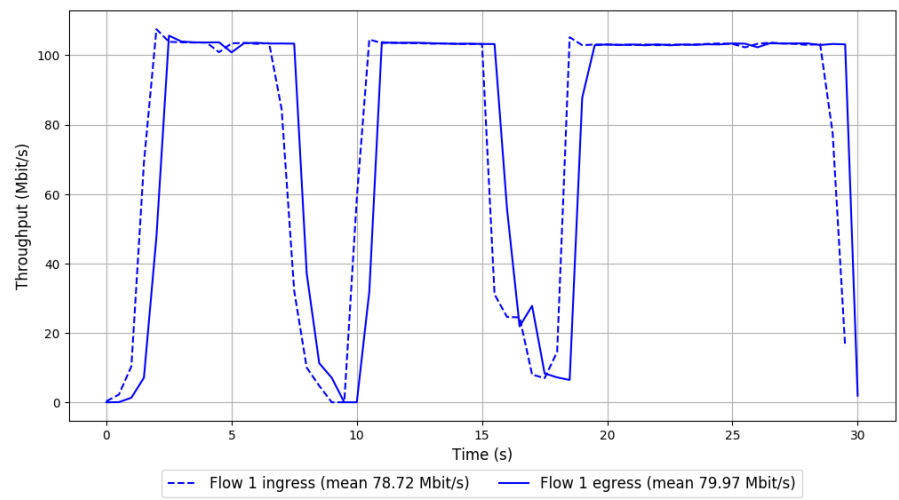


Run 6: Statistics of QUIC Cubic

Start at: 2018-08-22 13:02:34
End at: 2018-08-22 13:03:04
Local clock offset: 0.803 ms
Remote clock offset: -39.153 ms

Below is generated by plot.py at 2018-08-22 15:48:20
Datalink statistics
-- Total of 1 flow:
Average throughput: 79.97 Mbit/s
95th percentile per-packet one-way delay: 132.944 ms
Loss rate: 0.34%
-- Flow 1:
Average throughput: 79.97 Mbit/s
95th percentile per-packet one-way delay: 132.944 ms
Loss rate: 0.34%

Run 6: Report of QUIC Cubic — Data Link

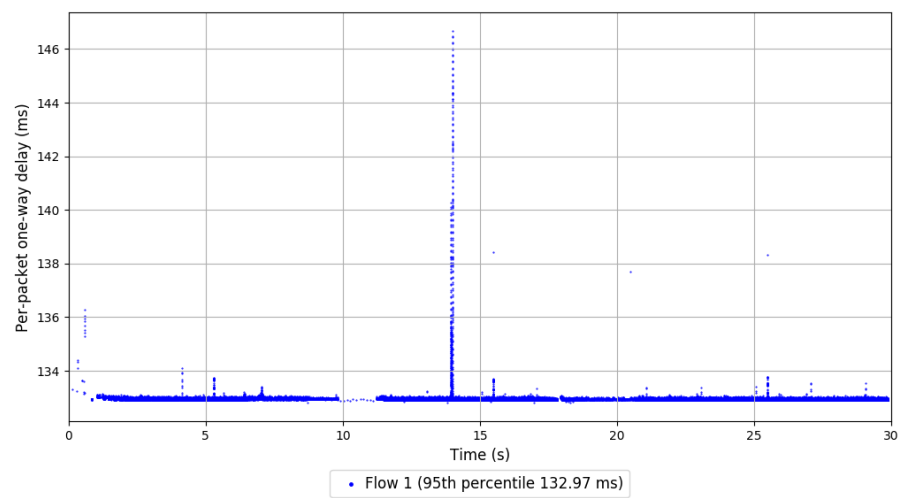
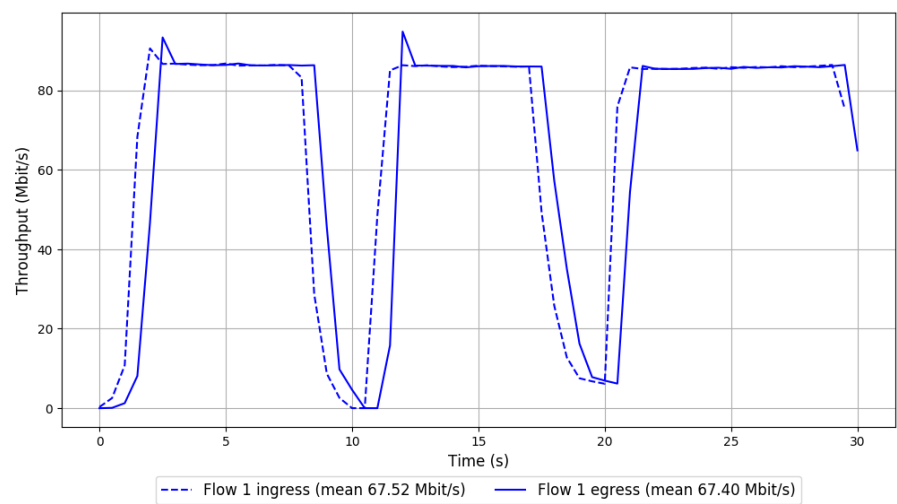


Run 7: Statistics of QUIC Cubic

Start at: 2018-08-22 13:30:02
End at: 2018-08-22 13:30:32
Local clock offset: 2.324 ms
Remote clock offset: -38.103 ms

Below is generated by plot.py at 2018-08-22 15:48:20
Datalink statistics
-- Total of 1 flow:
Average throughput: 67.40 Mbit/s
95th percentile per-packet one-way delay: 132.971 ms
Loss rate: 0.83%
-- Flow 1:
Average throughput: 67.40 Mbit/s
95th percentile per-packet one-way delay: 132.971 ms
Loss rate: 0.83%

Run 7: Report of QUIC Cubic — Data Link

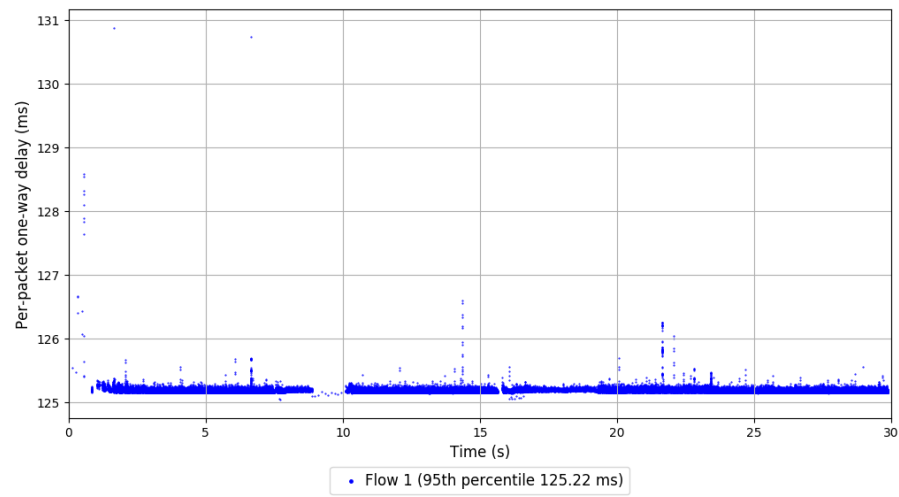
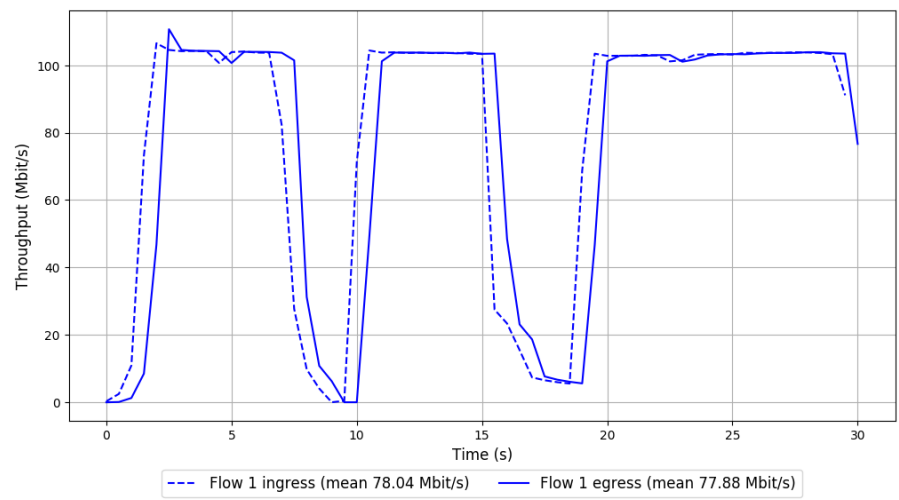


Run 8: Statistics of QUIC Cubic

Start at: 2018-08-22 13:57:37
End at: 2018-08-22 13:58:07
Local clock offset: -3.423 ms
Remote clock offset: -36.162 ms

Below is generated by plot.py at 2018-08-22 15:48:20
Datalink statistics
-- Total of 1 flow:
Average throughput: 77.88 Mbit/s
95th percentile per-packet one-way delay: 125.216 ms
Loss rate: 0.86%
-- Flow 1:
Average throughput: 77.88 Mbit/s
95th percentile per-packet one-way delay: 125.216 ms
Loss rate: 0.86%

Run 8: Report of QUIC Cubic — Data Link



Run 9: Statistics of QUIC Cubic

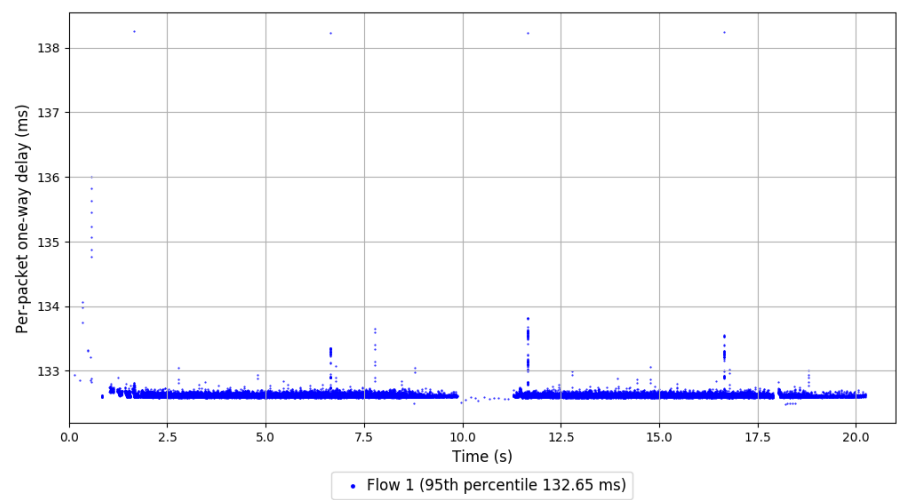
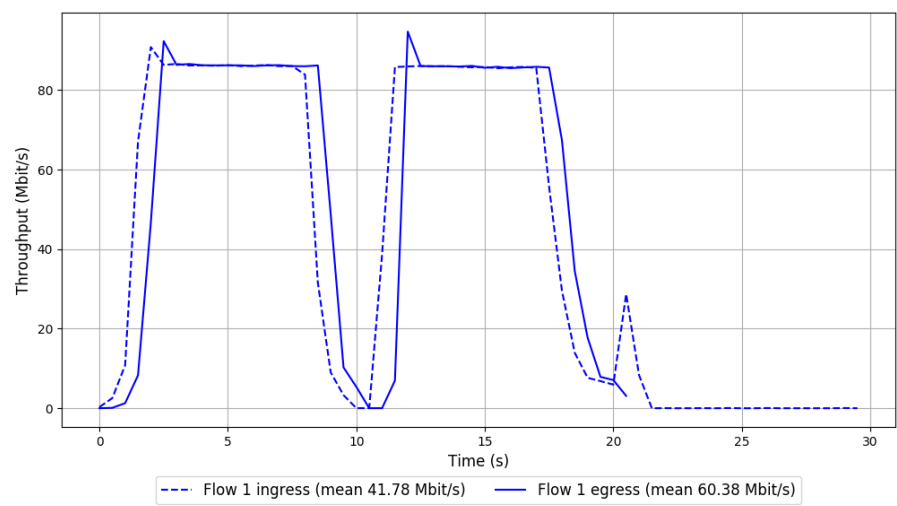
Start at: 2018-08-22 14:19:34

End at: 2018-08-22 14:20:04

Local clock offset: 0.638 ms

Remote clock offset: -39.504 ms

Run 9: Report of QUIC Cubic — Data Link



Run 10: Statistics of QUIC Cubic

Start at: 2018-08-22 14:52:37

End at: 2018-08-22 14:53:07

Local clock offset: -0.514 ms

Remote clock offset: -38.894 ms

Below is generated by plot.py at 2018-08-22 15:48:20

Datalink statistics

-- Total of 1 flow:

Average throughput: 79.69 Mbit/s

95th percentile per-packet one-way delay: 128.559 ms

Loss rate: 0.09%

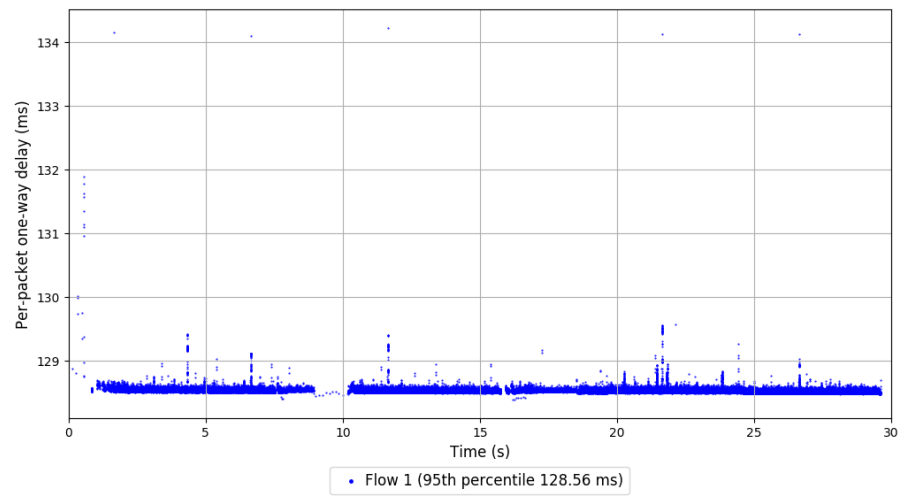
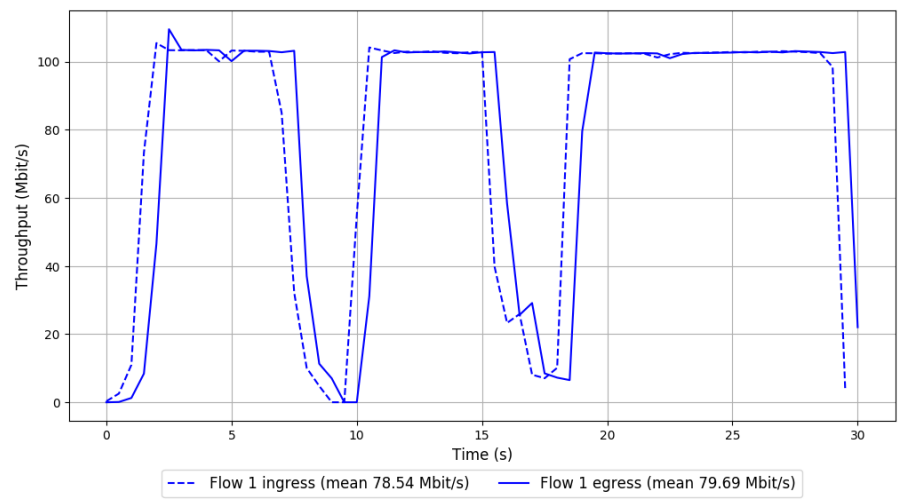
-- Flow 1:

Average throughput: 79.69 Mbit/s

95th percentile per-packet one-way delay: 128.559 ms

Loss rate: 0.09%

Run 10: Report of QUIC Cubic — Data Link

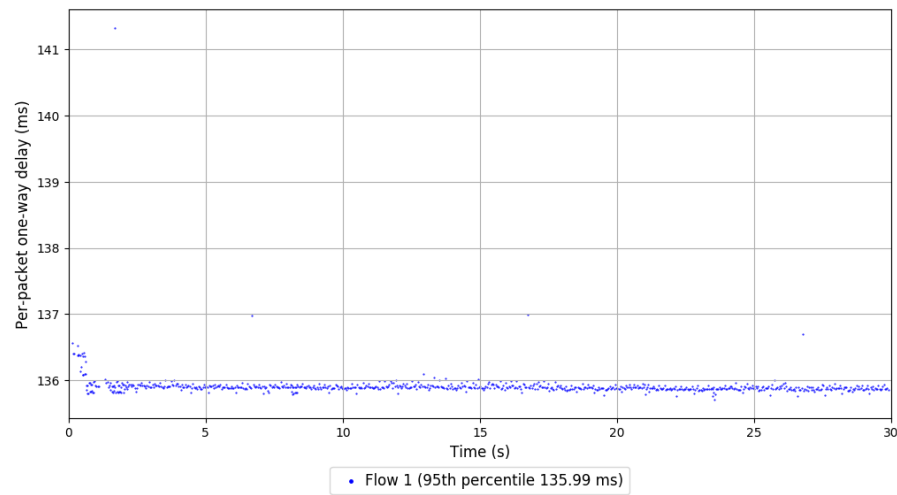
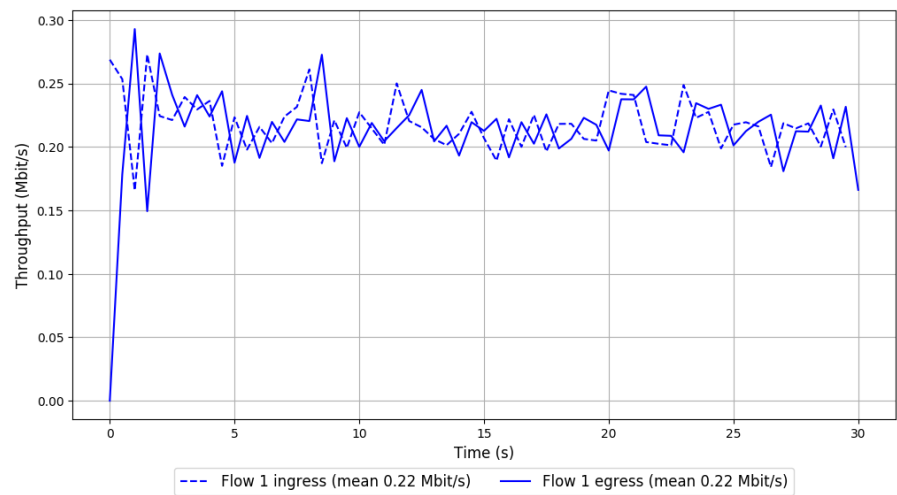


```
Run 1: Statistics of SCReAM

Start at: 2018-08-22 11:14:52
End at: 2018-08-22 11:15:22
Local clock offset: 1.428 ms
Remote clock offset: -38.826 ms

# Below is generated by plot.py at 2018-08-22 15:48:20
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 135.988 ms
Loss rate: 0.64%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 135.988 ms
Loss rate: 0.64%
```


Run 1: Report of SReAM — Data Link

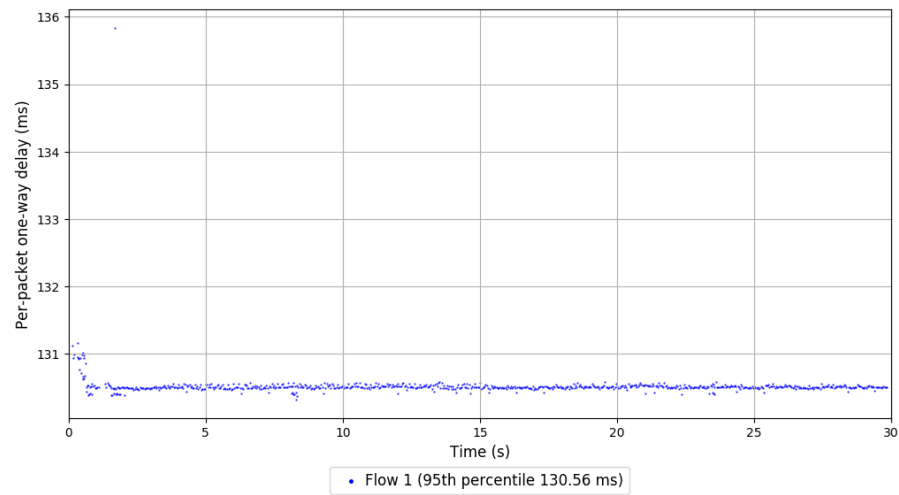
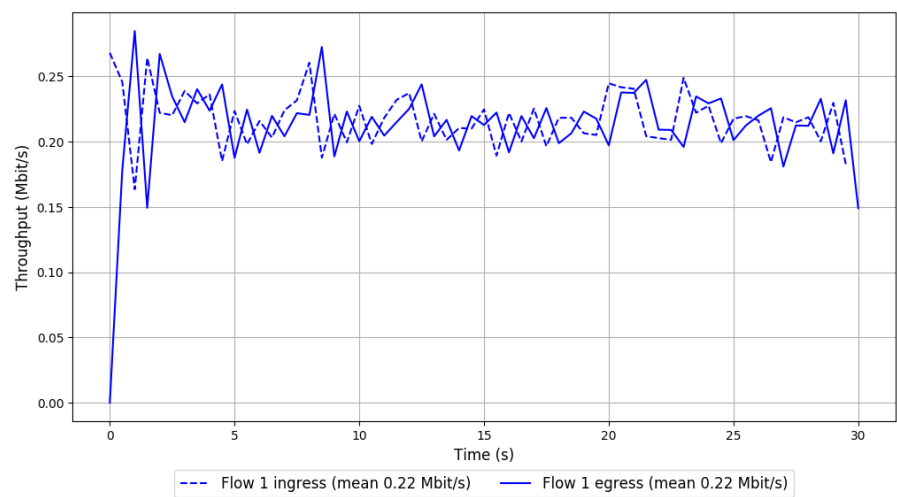


Run 2: Statistics of SCReAM

Start at: 2018-08-22 11:37:04
End at: 2018-08-22 11:37:34
Local clock offset: 1.129 ms
Remote clock offset: -35.76 ms

Below is generated by plot.py at 2018-08-22 15:48:20
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 130.563 ms
Loss rate: 0.64%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 130.563 ms
Loss rate: 0.64%

Run 2: Report of SReAM — Data Link

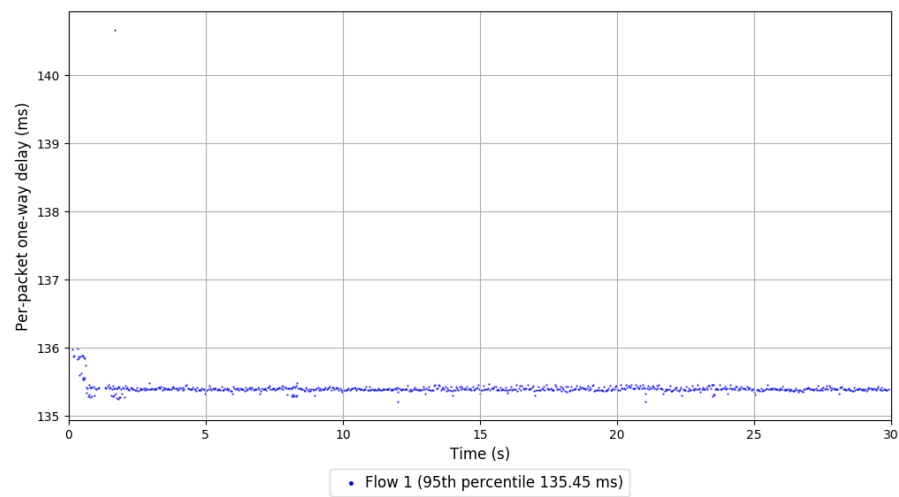
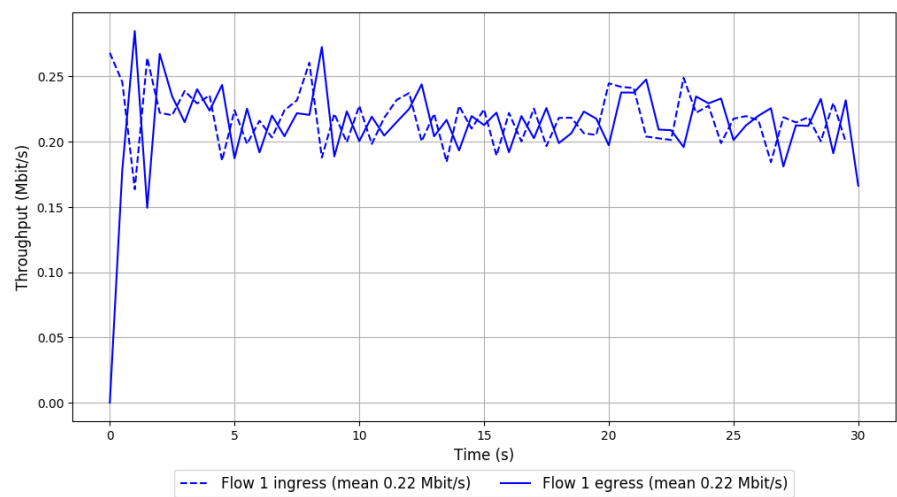


Run 3: Statistics of SCReAM

Start at: 2018-08-22 12:04:38
End at: 2018-08-22 12:05:08
Local clock offset: 3.325 ms
Remote clock offset: -38.313 ms

Below is generated by plot.py at 2018-08-22 15:48:20
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 135.449 ms
Loss rate: 0.64%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 135.449 ms
Loss rate: 0.64%

Run 3: Report of SReAM — Data Link

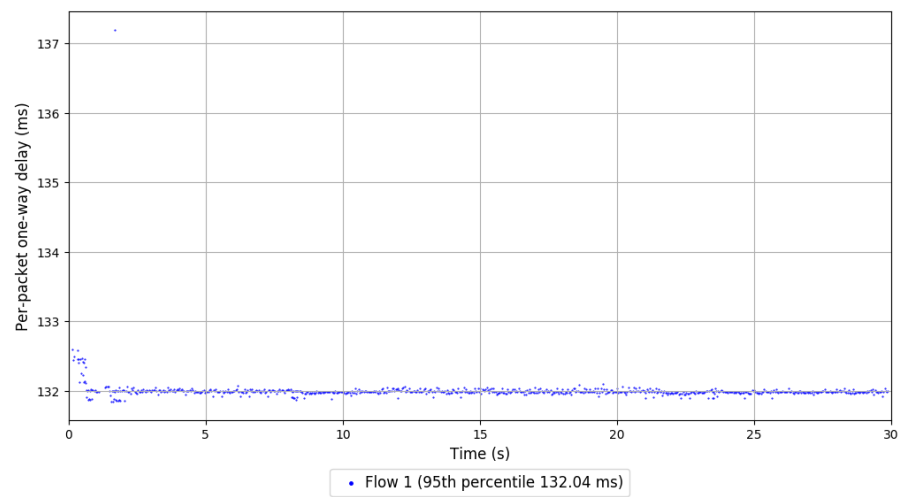
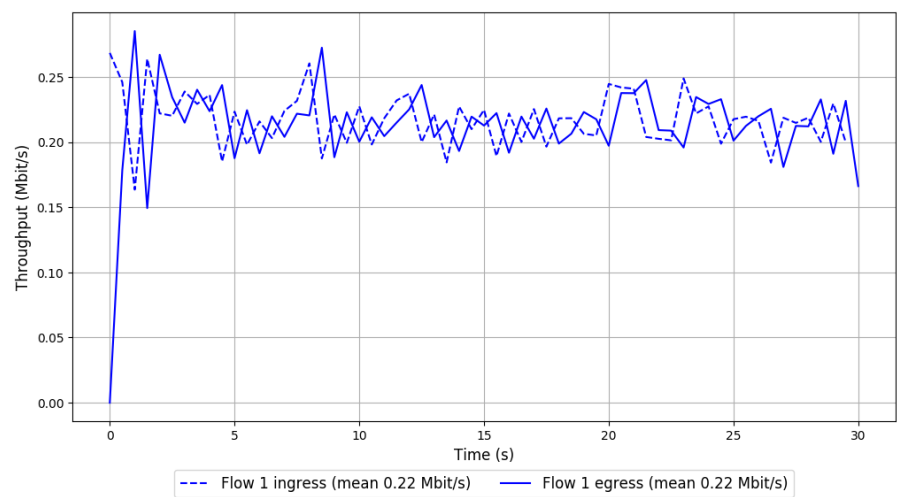


Run 4: Statistics of SCReAM

Start at: 2018-08-22 12:26:26
End at: 2018-08-22 12:26:56
Local clock offset: 4.227 ms
Remote clock offset: -33.689 ms

Below is generated by plot.py at 2018-08-22 15:48:20
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 132.043 ms
Loss rate: 0.64%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 132.043 ms
Loss rate: 0.64%

Run 4: Report of SReAM — Data Link

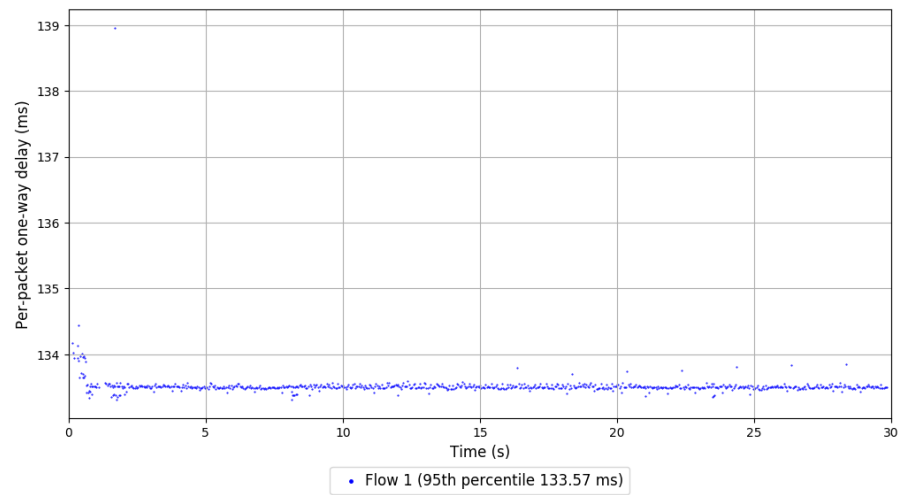
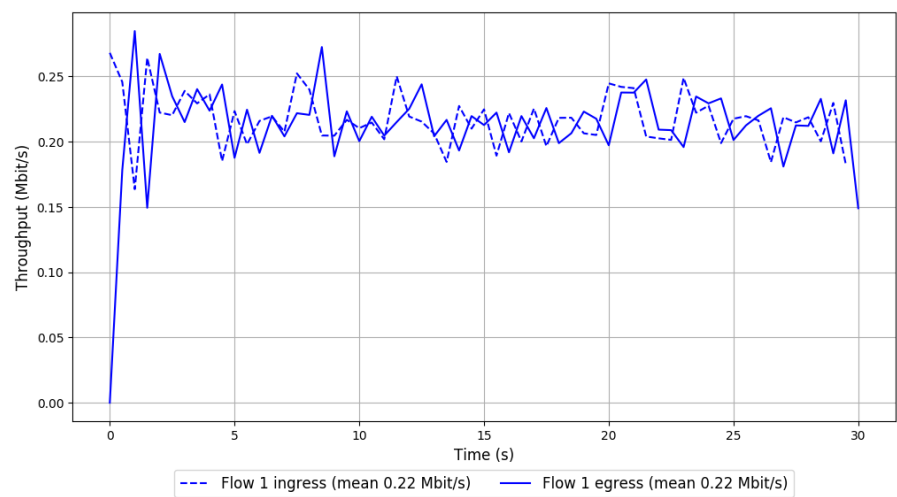


Run 5: Statistics of SCReAM

Start at: 2018-08-22 12:53:58
End at: 2018-08-22 12:54:28
Local clock offset: 1.411 ms
Remote clock offset: -38.835 ms

Below is generated by plot.py at 2018-08-22 15:48:20
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 133.566 ms
Loss rate: 0.64%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 133.566 ms
Loss rate: 0.64%

Run 5: Report of SReAM — Data Link

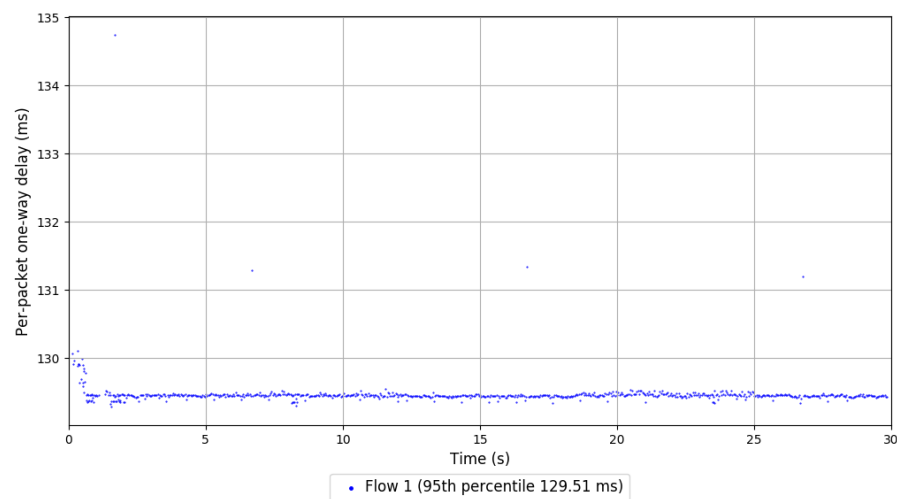
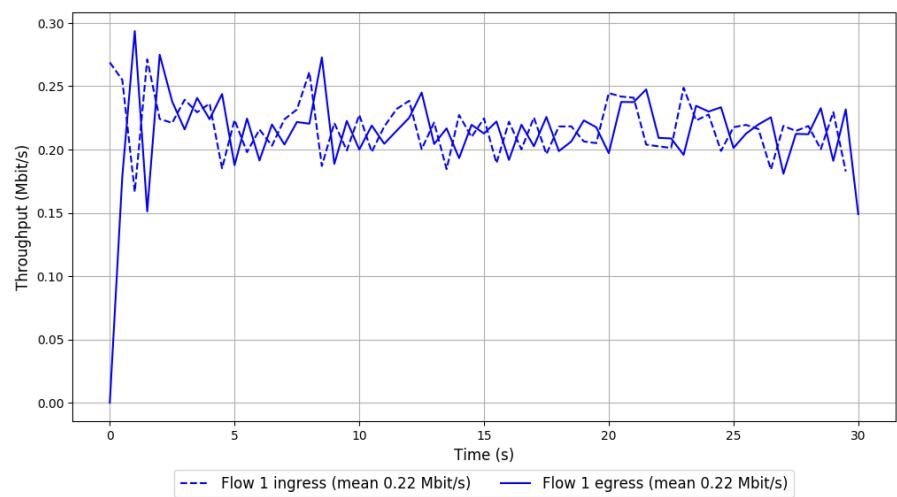


Run 6: Statistics of SCReAM

Start at: 2018-08-22 13:21:14
End at: 2018-08-22 13:21:44
Local clock offset: 0.909 ms
Remote clock offset: -34.565 ms

Below is generated by plot.py at 2018-08-22 15:48:20
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 129.511 ms
Loss rate: 0.64%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 129.511 ms
Loss rate: 0.64%

Run 6: Report of SReAM — Data Link

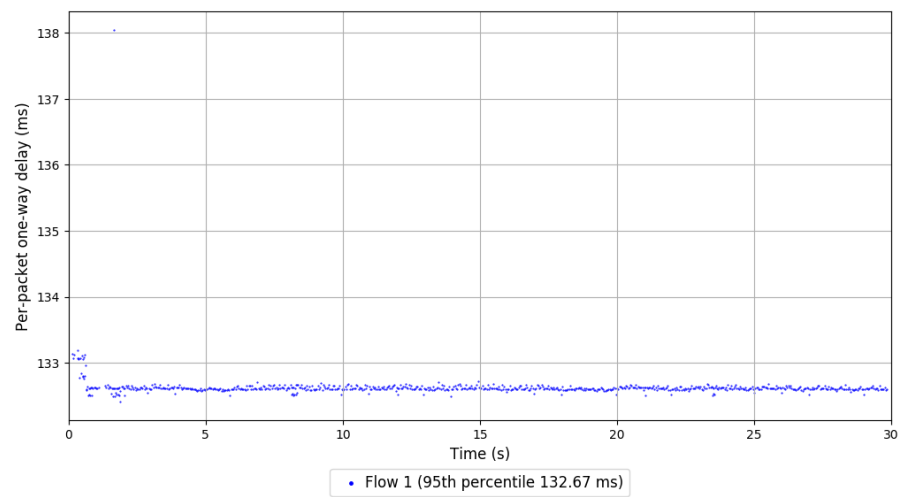
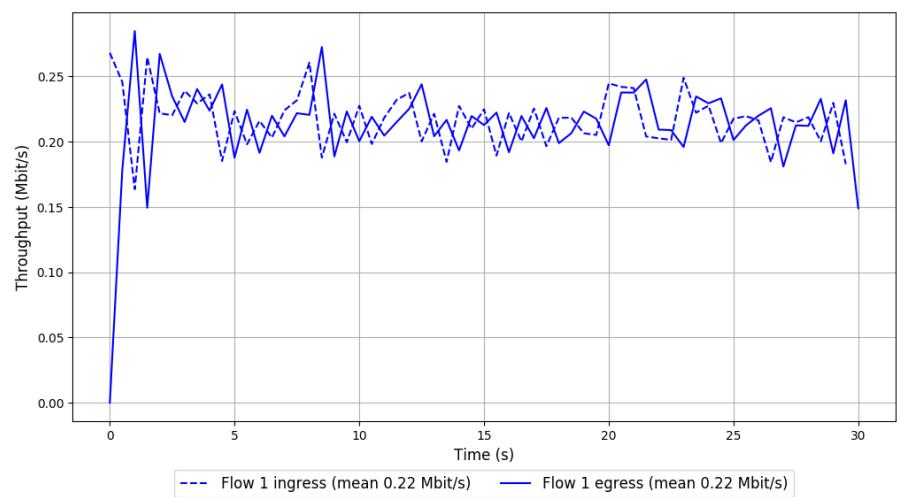


Run 7: Statistics of SCReAM

Start at: 2018-08-22 13:48:58
End at: 2018-08-22 13:49:28
Local clock offset: -0.644 ms
Remote clock offset: -40.753 ms

Below is generated by plot.py at 2018-08-22 15:48:20
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 132.669 ms
Loss rate: 0.64%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 132.669 ms
Loss rate: 0.64%

Run 7: Report of SReAM — Data Link

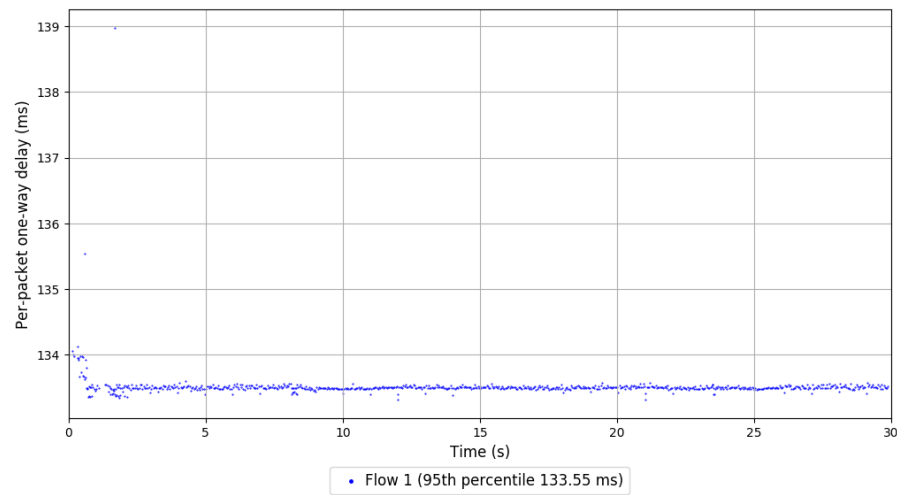
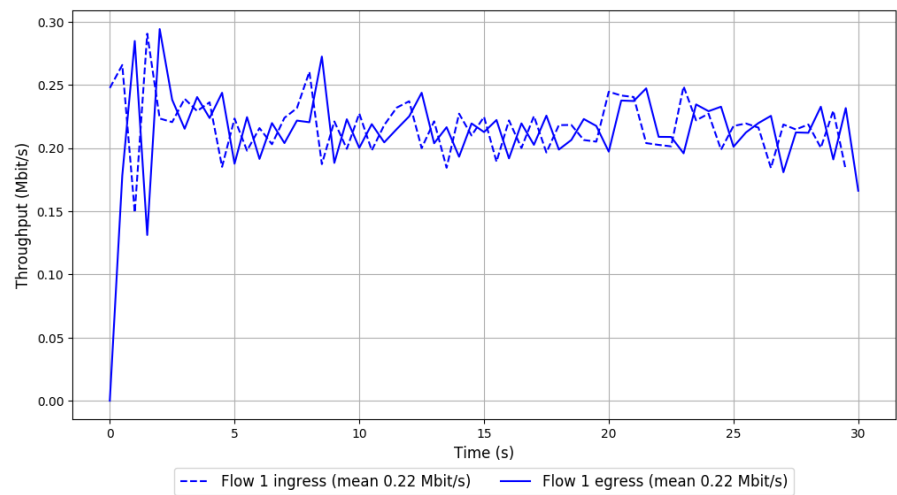


Run 8: Statistics of SCReAM

Start at: 2018-08-22 14:10:55
End at: 2018-08-22 14:11:25
Local clock offset: 0.796 ms
Remote clock offset: -39.032 ms

Below is generated by plot.py at 2018-08-22 15:48:20
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 133.554 ms
Loss rate: 0.51%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 133.554 ms
Loss rate: 0.51%

Run 8: Report of SReAM — Data Link

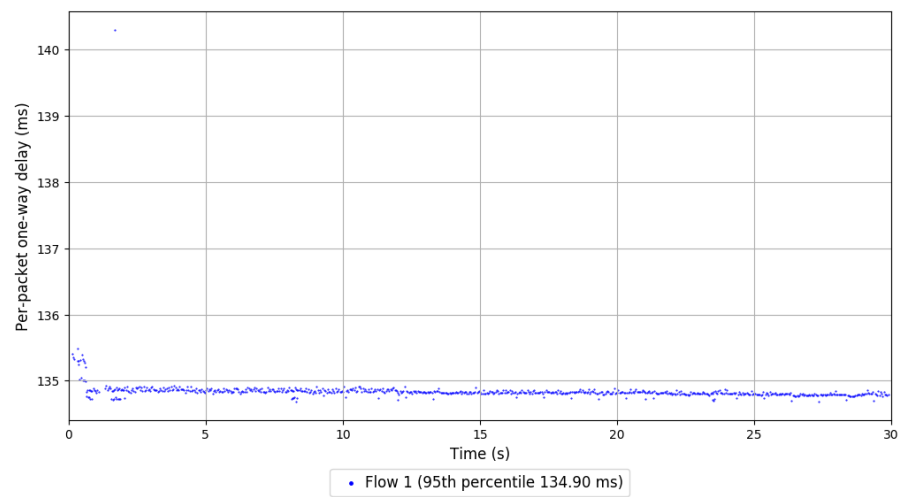
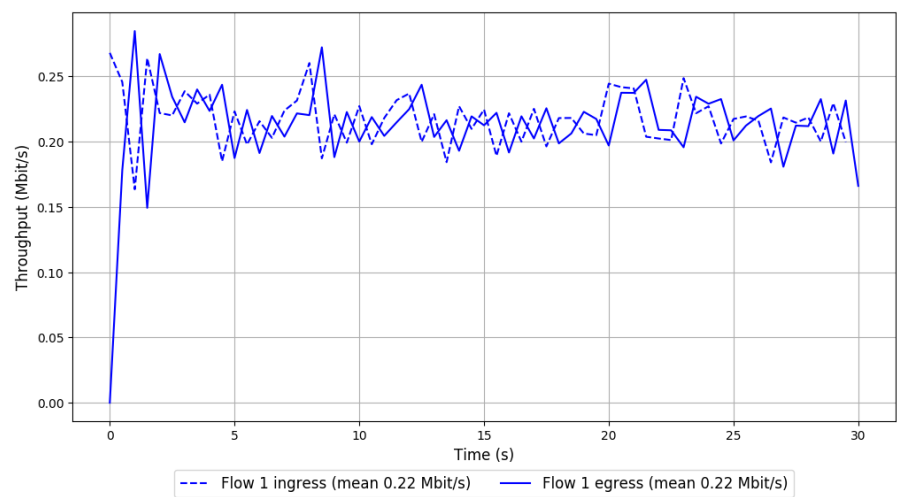


Run 9: Statistics of SCReAM

Start at: 2018-08-22 14:44:02
End at: 2018-08-22 14:44:32
Local clock offset: 1.365 ms
Remote clock offset: -41.285 ms

Below is generated by plot.py at 2018-08-22 15:48:20
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 134.902 ms
Loss rate: 0.64%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 134.902 ms
Loss rate: 0.64%

Run 9: Report of SReAM — Data Link

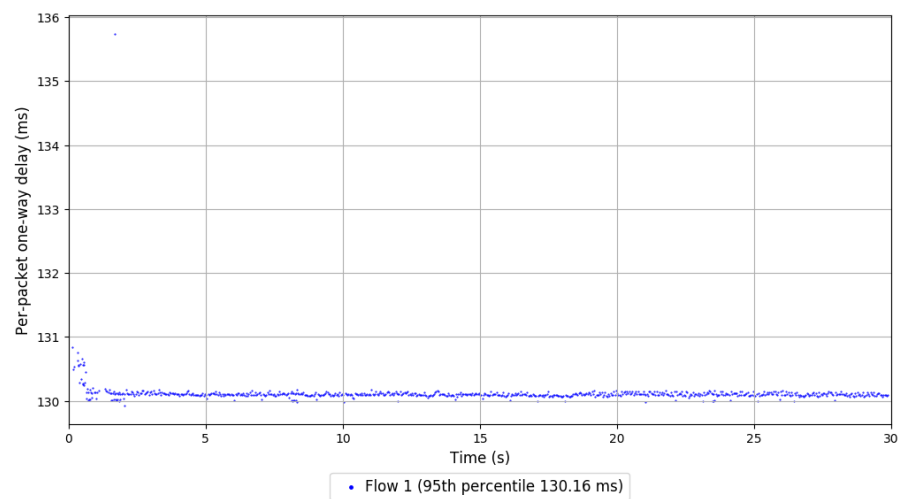
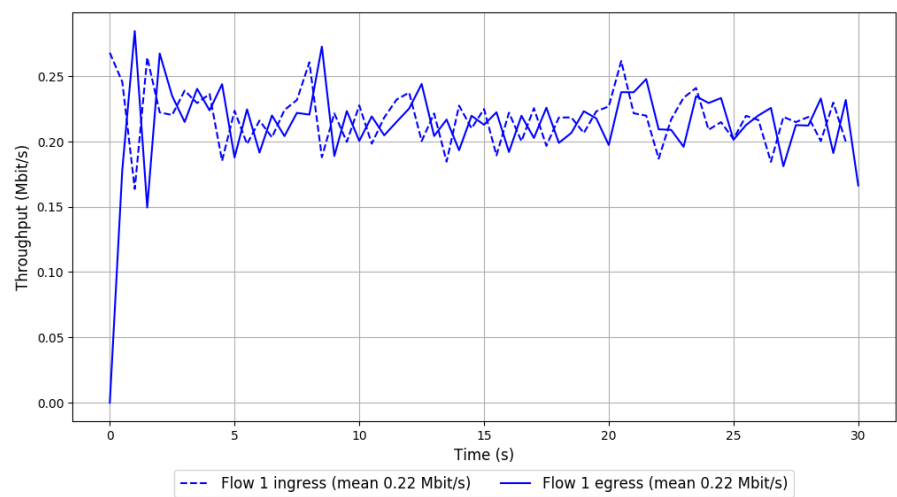


Run 10: Statistics of SCReAM

Start at: 2018-08-22 15:05:49
End at: 2018-08-22 15:06:19
Local clock offset: -1.978 ms
Remote clock offset: -42.381 ms

Below is generated by plot.py at 2018-08-22 15:48:20
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 130.159 ms
Loss rate: 0.64%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 130.159 ms
Loss rate: 0.64%

Run 10: Report of SCReAM — Data Link

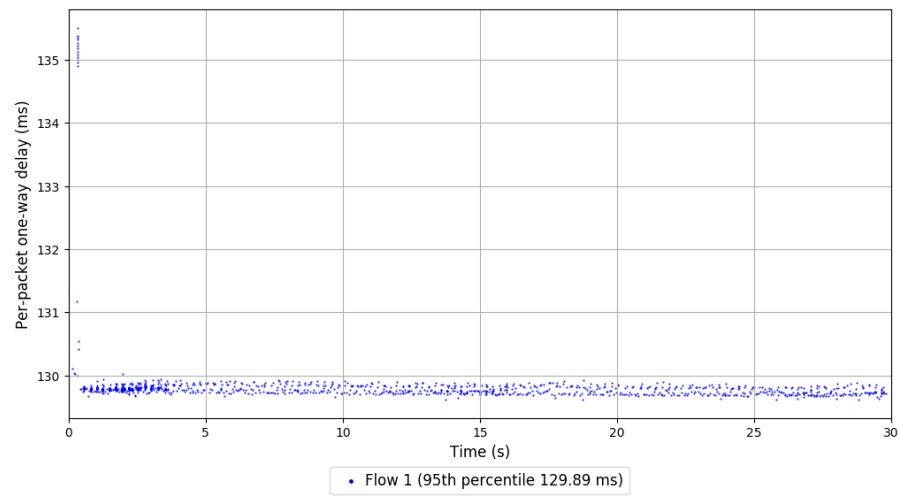
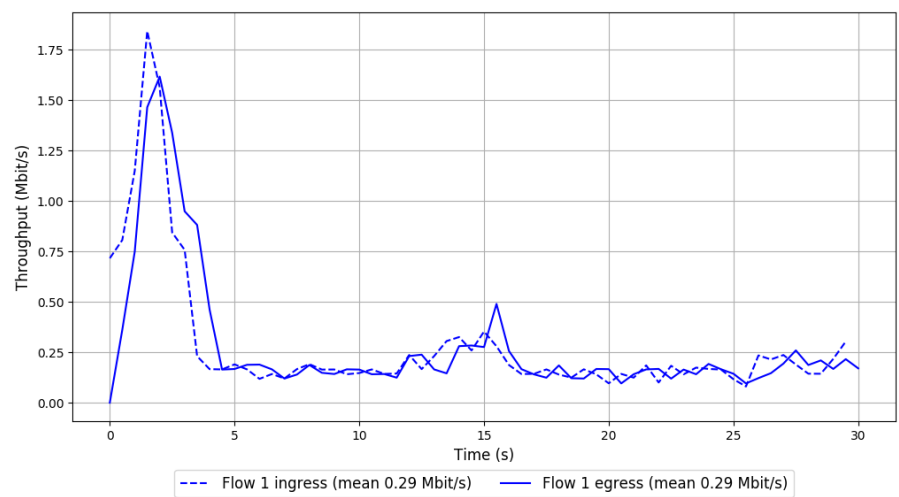


Run 1: Statistics of Sprout

Start at: 2018-08-22 11:12:21
End at: 2018-08-22 11:12:51
Local clock offset: 0.154 ms
Remote clock offset: -33.843 ms

Below is generated by plot.py at 2018-08-22 15:48:20
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.29 Mbit/s
95th percentile per-packet one-way delay: 129.888 ms
Loss rate: 0.81%
-- Flow 1:
Average throughput: 0.29 Mbit/s
95th percentile per-packet one-way delay: 129.888 ms
Loss rate: 0.81%

Run 1: Report of Sprout — Data Link

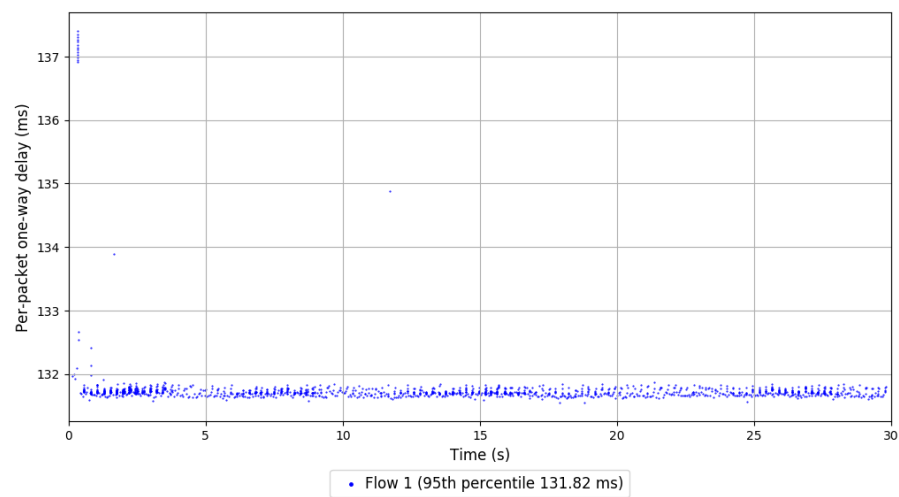
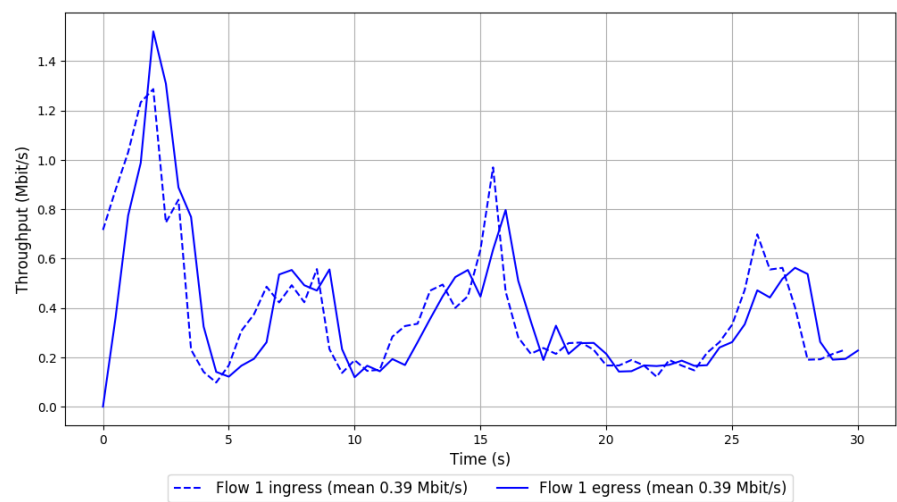


Run 2: Statistics of Sprout

Start at: 2018-08-22 11:34:35
End at: 2018-08-22 11:35:05
Local clock offset: 3.055 ms
Remote clock offset: -33.89 ms

Below is generated by plot.py at 2018-08-22 15:48:20
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.39 Mbit/s
95th percentile per-packet one-way delay: 131.816 ms
Loss rate: 0.50%
-- Flow 1:
Average throughput: 0.39 Mbit/s
95th percentile per-packet one-way delay: 131.816 ms
Loss rate: 0.50%

Run 2: Report of Sprout — Data Link

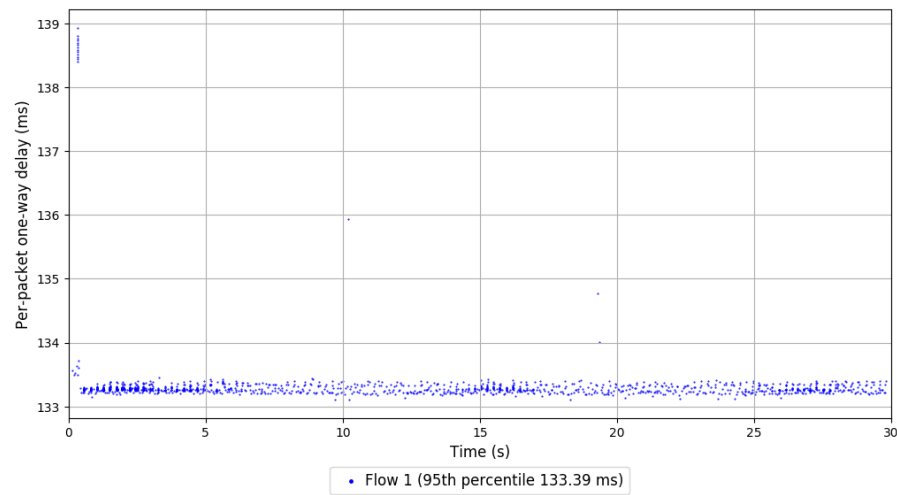
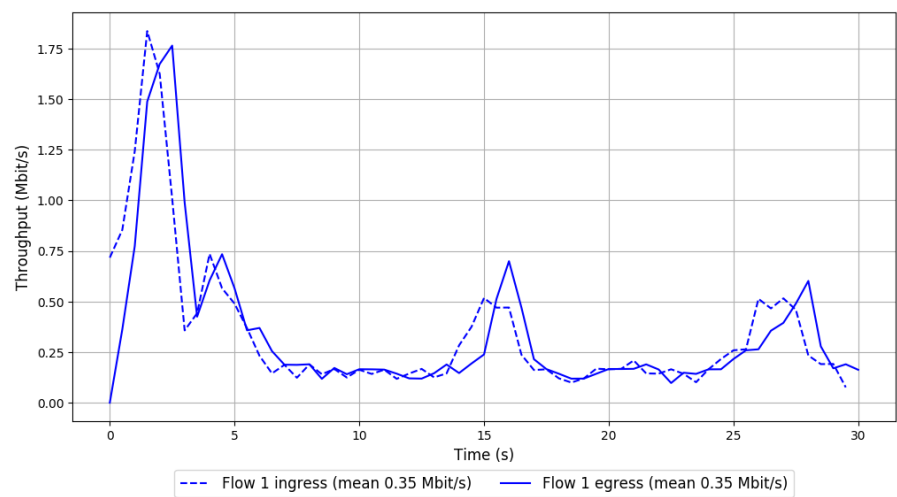


Run 3: Statistics of Sprout

Start at: 2018-08-22 12:02:00
End at: 2018-08-22 12:02:30
Local clock offset: 1.157 ms
Remote clock offset: -38.372 ms

Below is generated by plot.py at 2018-08-22 15:48:20
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.35 Mbit/s
95th percentile per-packet one-way delay: 133.389 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 0.35 Mbit/s
95th percentile per-packet one-way delay: 133.389 ms
Loss rate: 0.03%

Run 3: Report of Sprout — Data Link

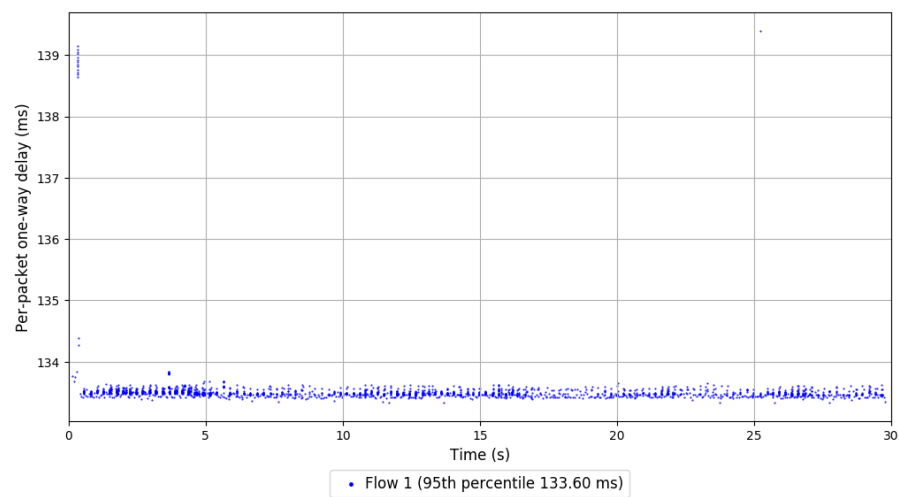
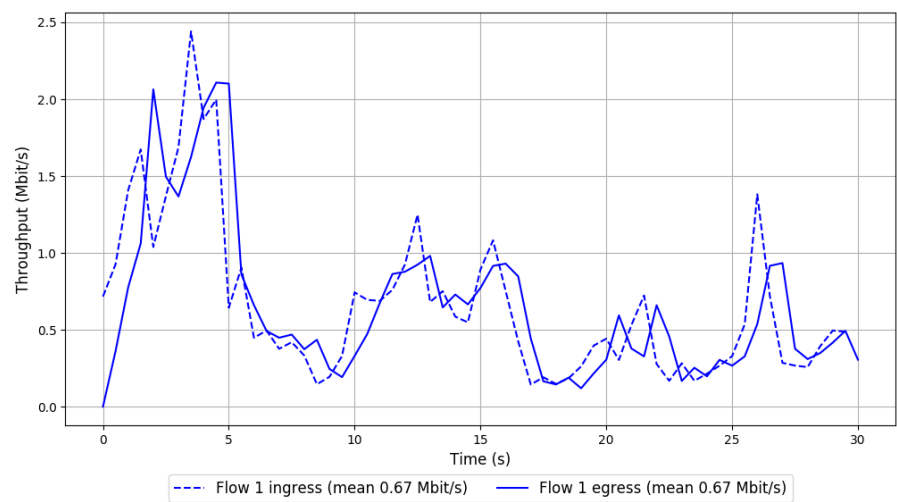


Run 4: Statistics of Sprout

Start at: 2018-08-22 12:23:55
End at: 2018-08-22 12:24:25
Local clock offset: 1.924 ms
Remote clock offset: -38.516 ms

Below is generated by plot.py at 2018-08-22 15:48:20
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.67 Mbit/s
95th percentile per-packet one-way delay: 133.599 ms
Loss rate: 0.47%
-- Flow 1:
Average throughput: 0.67 Mbit/s
95th percentile per-packet one-way delay: 133.599 ms
Loss rate: 0.47%

Run 4: Report of Sprout — Data Link

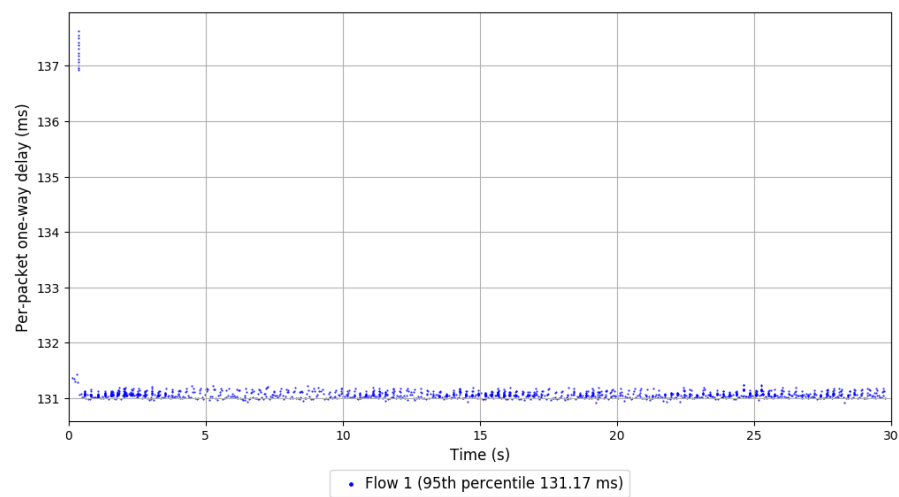
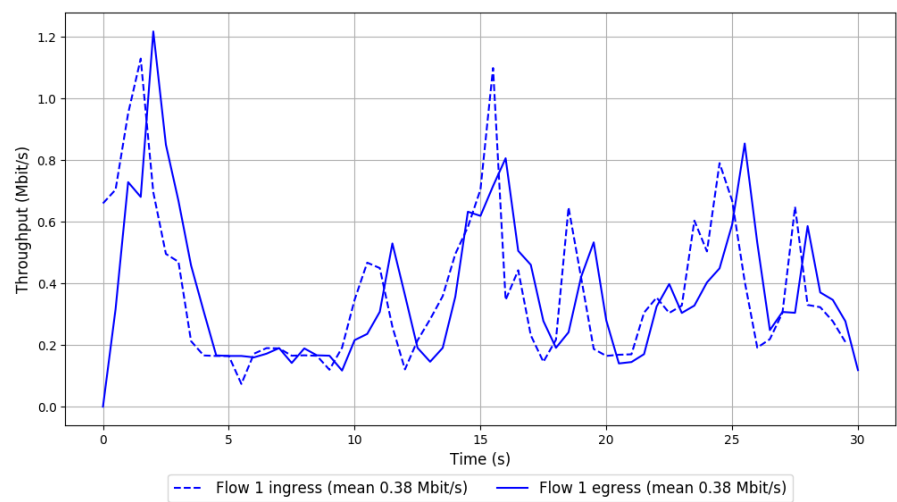


Run 5: Statistics of Sprout

Start at: 2018-08-22 12:51:27
End at: 2018-08-22 12:51:57
Local clock offset: 1.2 ms
Remote clock offset: -36.617 ms

Below is generated by plot.py at 2018-08-22 15:48:20
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.38 Mbit/s
95th percentile per-packet one-way delay: 131.172 ms
Loss rate: 0.42%
-- Flow 1:
Average throughput: 0.38 Mbit/s
95th percentile per-packet one-way delay: 131.172 ms
Loss rate: 0.42%

Run 5: Report of Sprout — Data Link

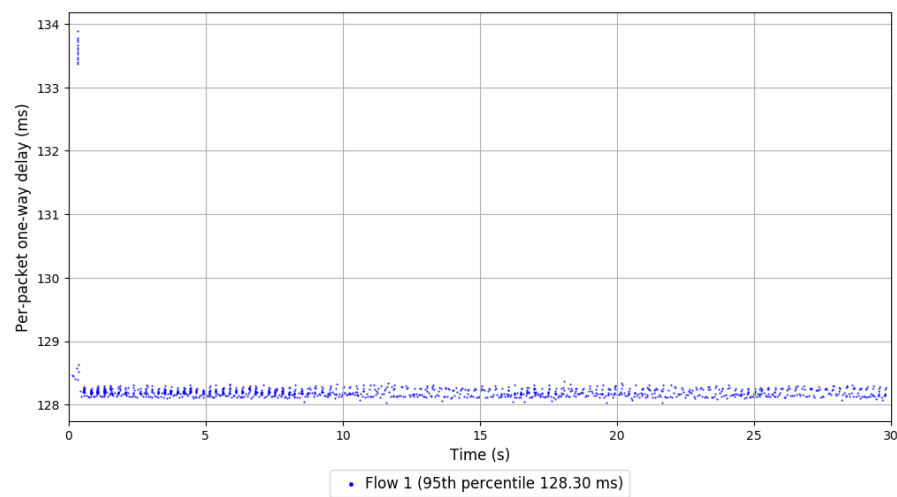
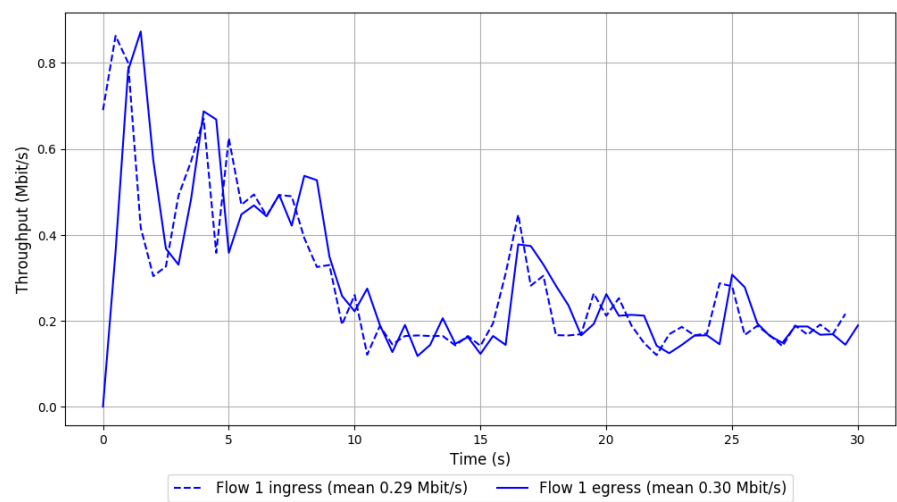


Run 6: Statistics of Sprout

Start at: 2018-08-22 13:18:43
End at: 2018-08-22 13:19:13
Local clock offset: 0.176 ms
Remote clock offset: -34.024 ms

Below is generated by plot.py at 2018-08-22 15:48:20
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.30 Mbit/s
95th percentile per-packet one-way delay: 128.300 ms
Loss rate: 0.68%
-- Flow 1:
Average throughput: 0.30 Mbit/s
95th percentile per-packet one-way delay: 128.300 ms
Loss rate: 0.68%

Run 6: Report of Sprout — Data Link

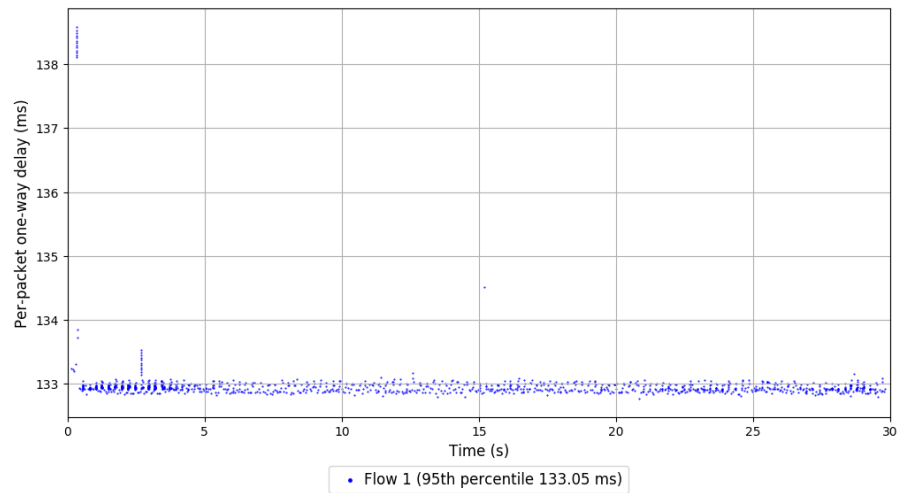
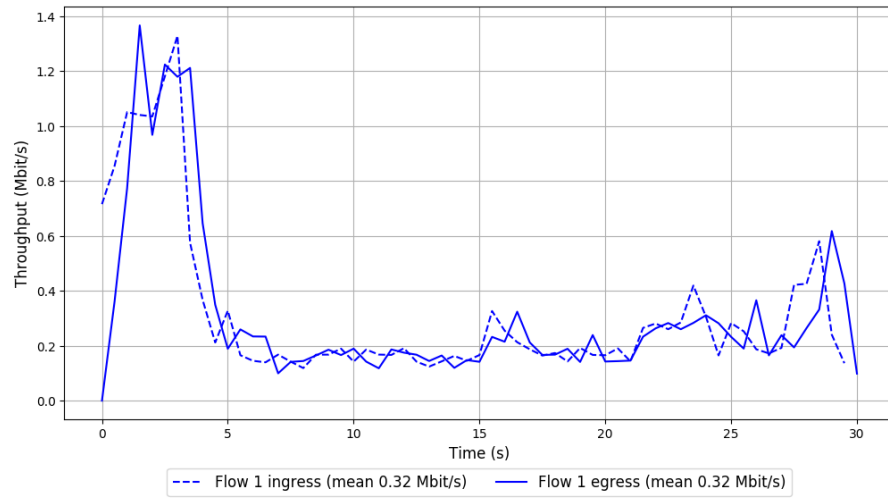


Run 7: Statistics of Sprout

Start at: 2018-08-22 13:46:28
End at: 2018-08-22 13:46:58
Local clock offset: -0.206 ms
Remote clock offset: -40.706 ms

Below is generated by plot.py at 2018-08-22 15:48:20
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.32 Mbit/s
95th percentile per-packet one-way delay: 133.051 ms
Loss rate: 0.36%
-- Flow 1:
Average throughput: 0.32 Mbit/s
95th percentile per-packet one-way delay: 133.051 ms
Loss rate: 0.36%

Run 7: Report of Sprout — Data Link

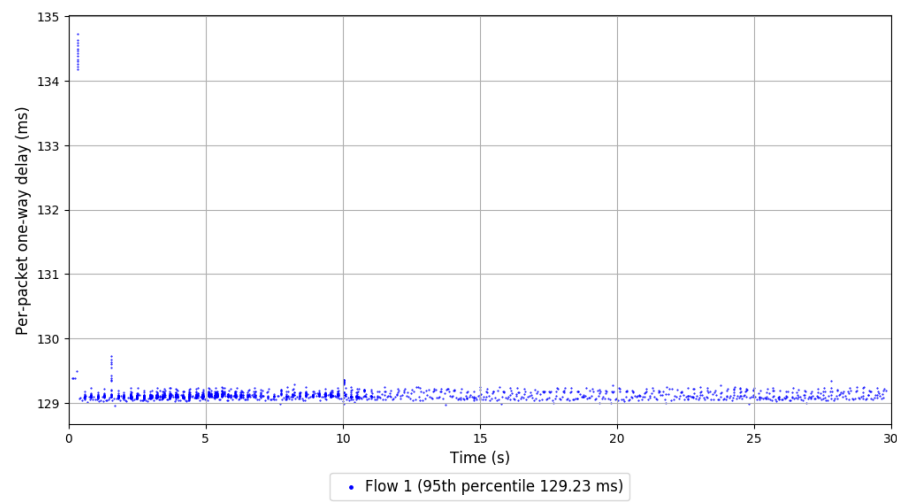
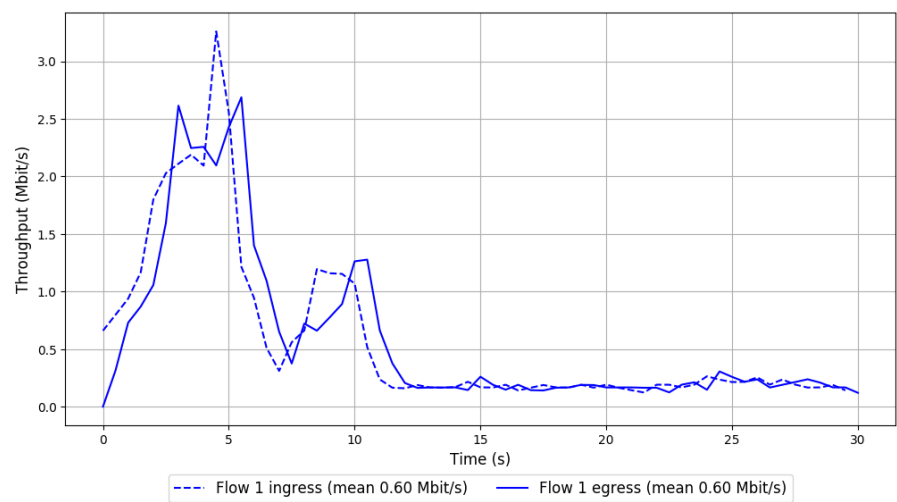


Run 8: Statistics of Sprout

Start at: 2018-08-22 14:08:21
End at: 2018-08-22 14:08:51
Local clock offset: -0.321 ms
Remote clock offset: -35.869 ms

Below is generated by plot.py at 2018-08-22 15:48:20
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.60 Mbit/s
95th percentile per-packet one-way delay: 129.226 ms
Loss rate: 0.20%
-- Flow 1:
Average throughput: 0.60 Mbit/s
95th percentile per-packet one-way delay: 129.226 ms
Loss rate: 0.20%

Run 8: Report of Sprout — Data Link

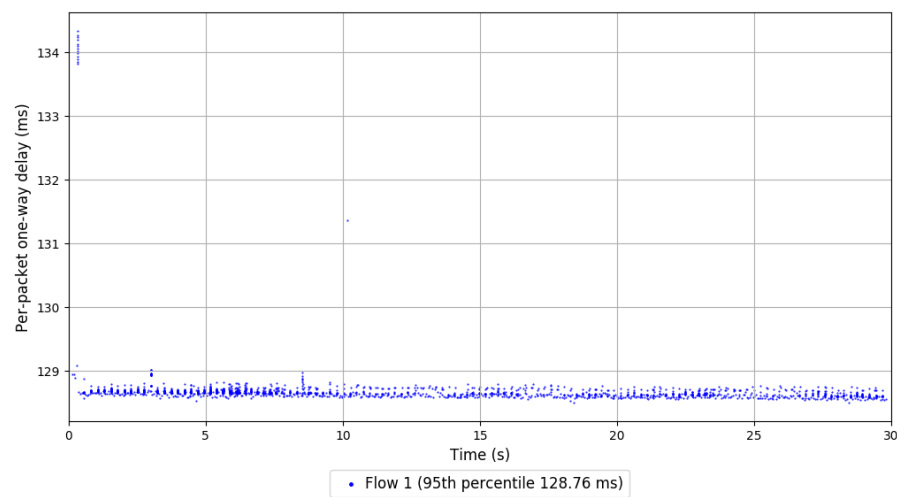
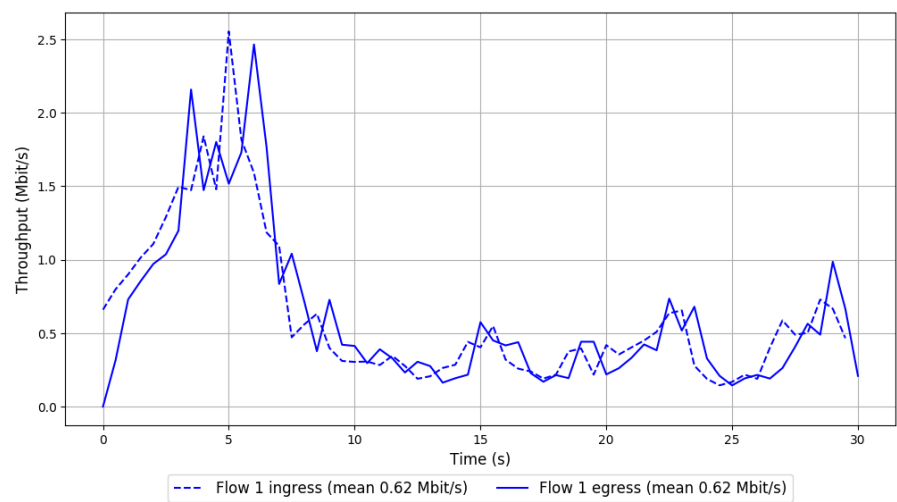


Run 9: Statistics of Sprout

Start at: 2018-08-22 14:41:28
End at: 2018-08-22 14:41:58
Local clock offset: -1.289 ms
Remote clock offset: -38.596 ms

Below is generated by plot.py at 2018-08-22 15:48:20
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.62 Mbit/s
95th percentile per-packet one-way delay: 128.763 ms
Loss rate: 0.70%
-- Flow 1:
Average throughput: 0.62 Mbit/s
95th percentile per-packet one-way delay: 128.763 ms
Loss rate: 0.70%

Run 9: Report of Sprout — Data Link

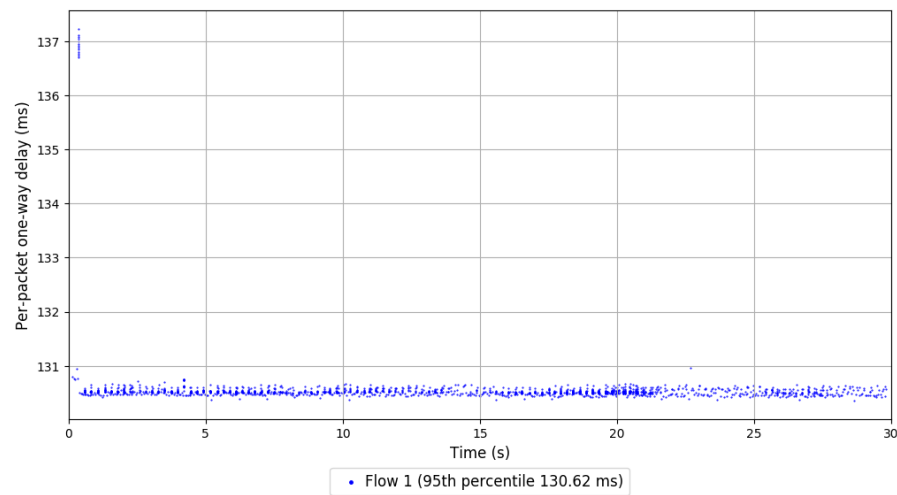
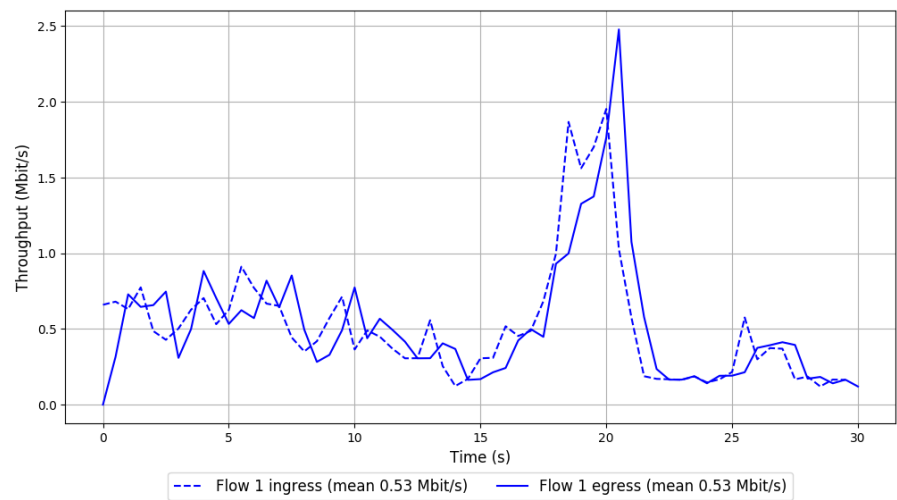


Run 10: Statistics of Sprout

Start at: 2018-08-22 15:03:16
End at: 2018-08-22 15:03:46
Local clock offset: 3.238 ms
Remote clock offset: -37.635 ms

Below is generated by plot.py at 2018-08-22 15:48:20
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.53 Mbit/s
95th percentile per-packet one-way delay: 130.625 ms
Loss rate: 0.22%
-- Flow 1:
Average throughput: 0.53 Mbit/s
95th percentile per-packet one-way delay: 130.625 ms
Loss rate: 0.22%

Run 10: Report of Sprout — Data Link

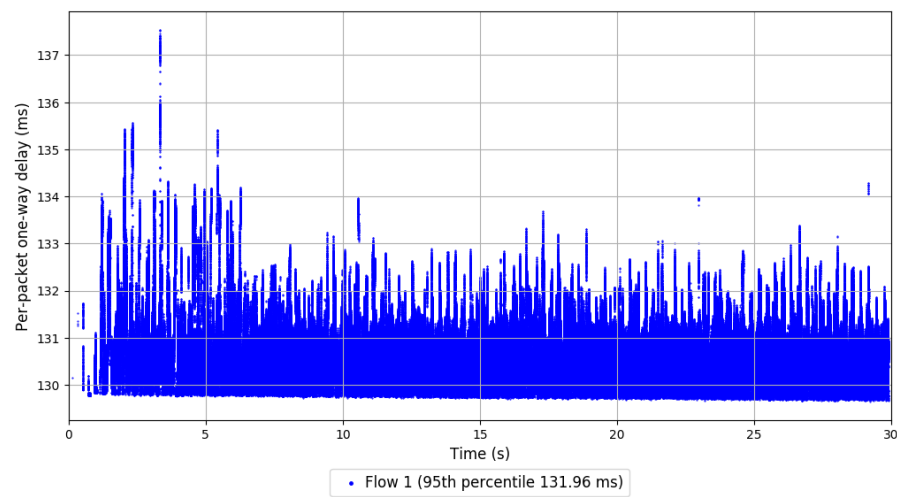
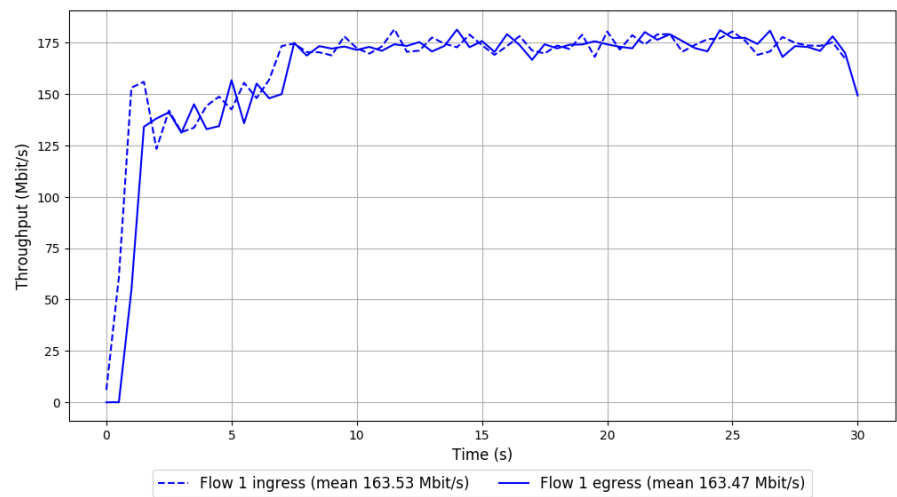


```
Run 1: Statistics of TaoVA-100x

Start at: 2018-08-22 11:07:00
End at: 2018-08-22 11:07:30
Local clock offset: 0.998 ms
Remote clock offset: -33.216 ms

# Below is generated by plot.py at 2018-08-22 15:50:31
# Datalink statistics
-- Total of 1 flow:
Average throughput: 163.47 Mbit/s
95th percentile per-packet one-way delay: 131.956 ms
Loss rate: 0.69%
-- Flow 1:
Average throughput: 163.47 Mbit/s
95th percentile per-packet one-way delay: 131.956 ms
Loss rate: 0.69%
```


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

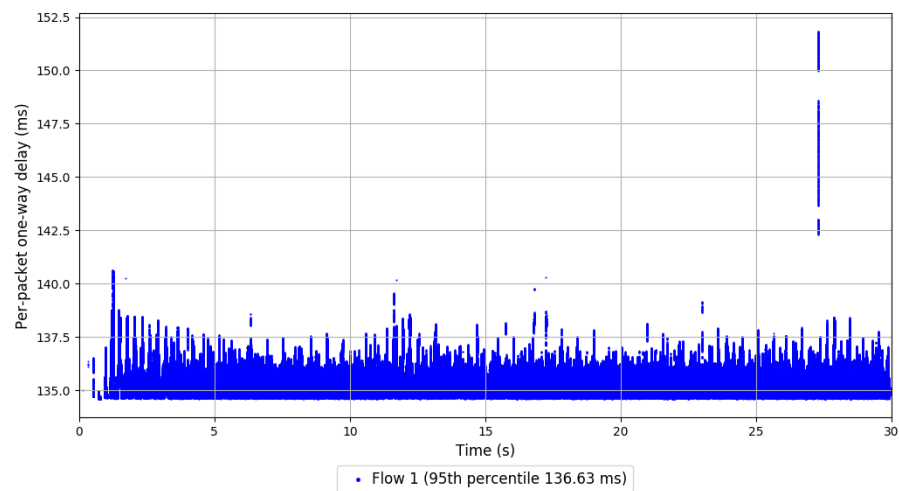
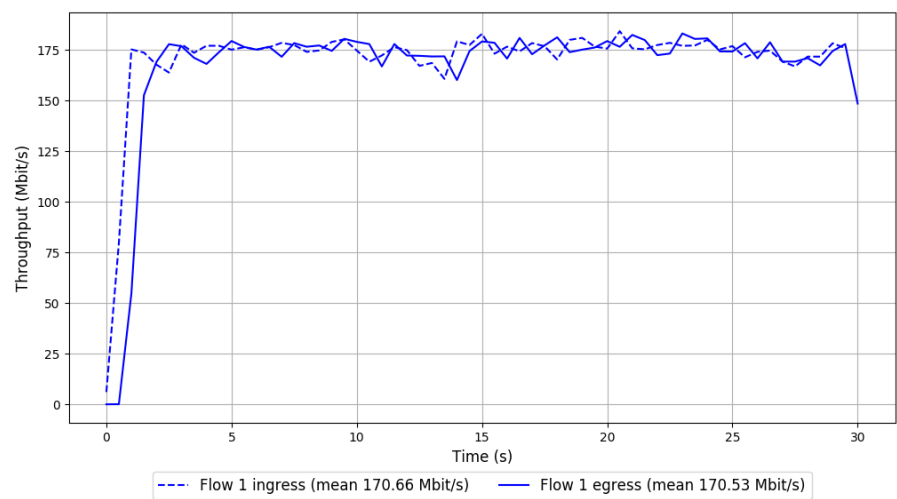


Run 2: Statistics of TaoVA-100x

Start at: 2018-08-22 11:29:13
End at: 2018-08-22 11:29:43
Local clock offset: 1.609 ms
Remote clock offset: -38.294 ms

Below is generated by plot.py at 2018-08-22 15:50:38
Datalink statistics
-- Total of 1 flow:
Average throughput: 170.53 Mbit/s
95th percentile per-packet one-way delay: 136.626 ms
Loss rate: 0.71%
-- Flow 1:
Average throughput: 170.53 Mbit/s
95th percentile per-packet one-way delay: 136.626 ms
Loss rate: 0.71%

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

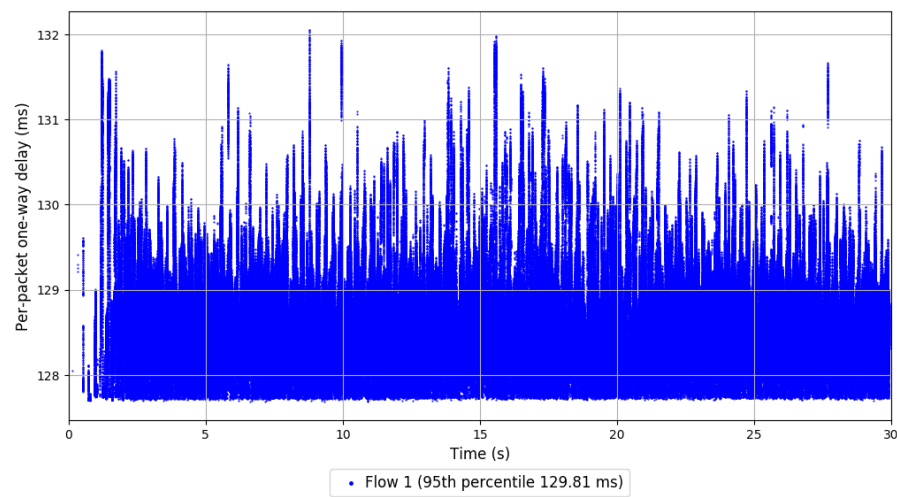
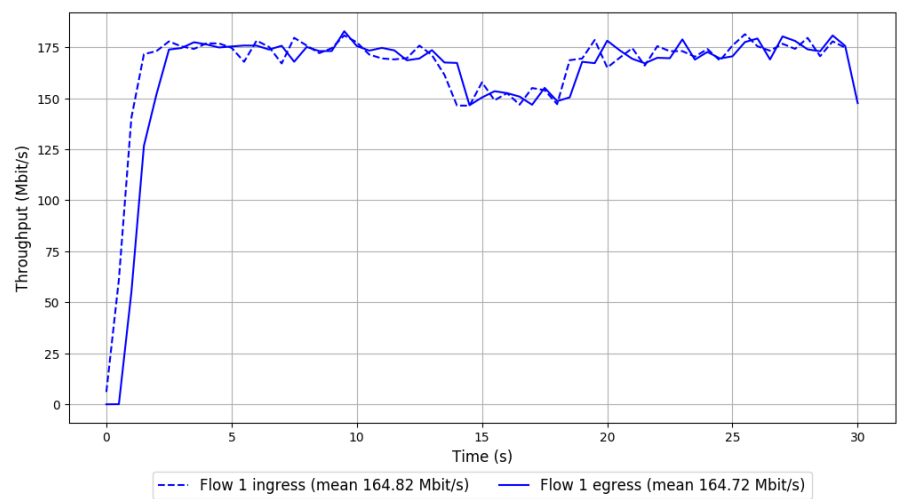


Run 3: Statistics of TaoVA-100x

Start at: 2018-08-22 11:51:04
End at: 2018-08-22 11:51:34
Local clock offset: 0.168 ms
Remote clock offset: -33.788 ms

Below is generated by plot.py at 2018-08-22 15:50:49
Datalink statistics
-- Total of 1 flow:
Average throughput: 164.72 Mbit/s
95th percentile per-packet one-way delay: 129.813 ms
Loss rate: 0.71%
-- Flow 1:
Average throughput: 164.72 Mbit/s
95th percentile per-packet one-way delay: 129.813 ms
Loss rate: 0.71%

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

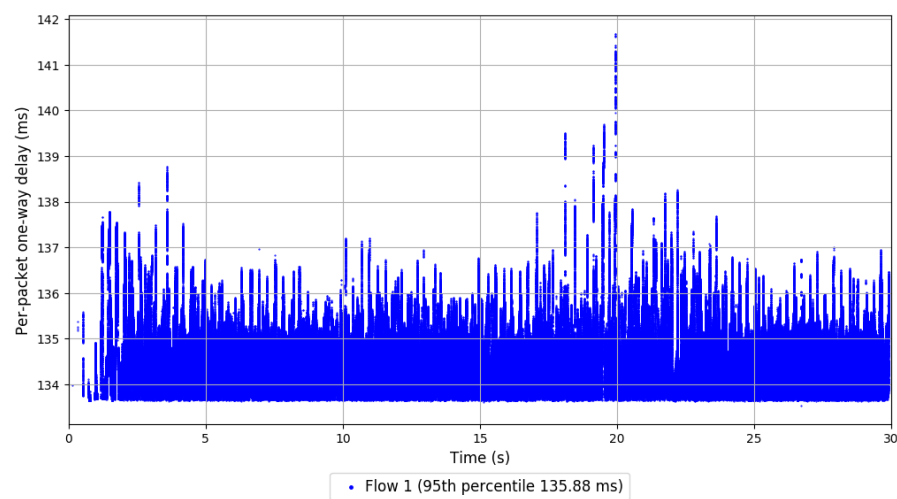
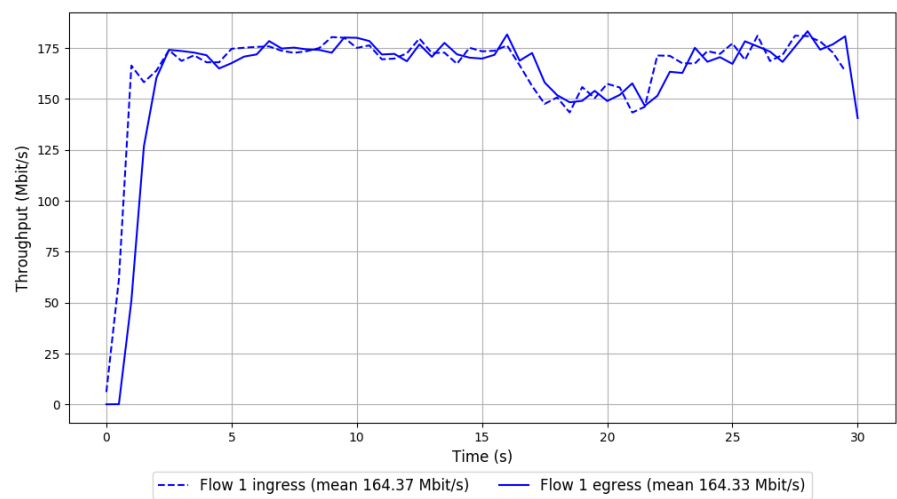


Run 4: Statistics of TaoVA-100x

Start at: 2018-08-22 12:18:33
End at: 2018-08-22 12:19:03
Local clock offset: 2.658 ms
Remote clock offset: -36.807 ms

Below is generated by plot.py at 2018-08-22 15:51:15
Datalink statistics
-- Total of 1 flow:
Average throughput: 164.33 Mbit/s
95th percentile per-packet one-way delay: 135.879 ms
Loss rate: 0.68%
-- Flow 1:
Average throughput: 164.33 Mbit/s
95th percentile per-packet one-way delay: 135.879 ms
Loss rate: 0.68%

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

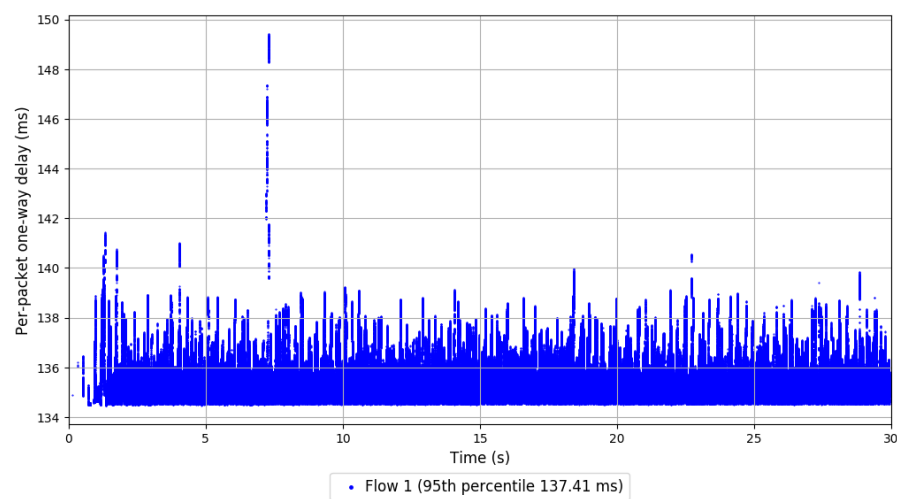
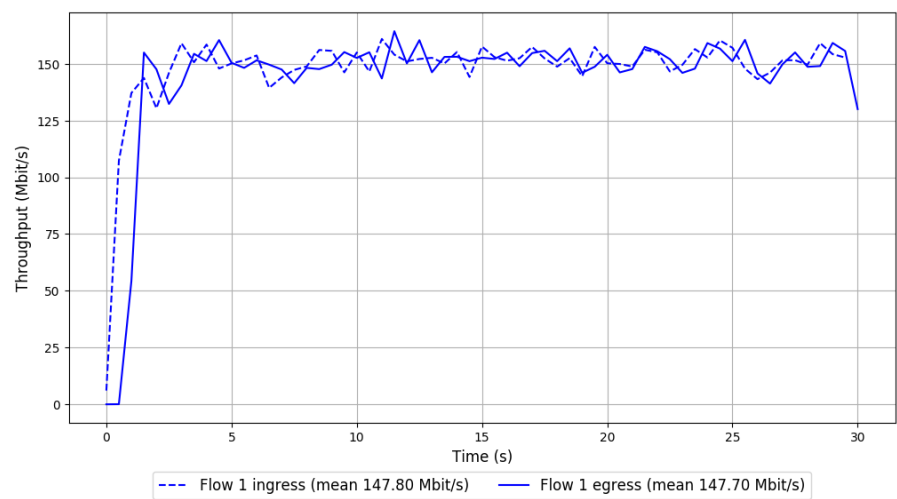


Run 5: Statistics of TaoVA-100x

Start at: 2018-08-22 12:46:10
End at: 2018-08-22 12:46:40
Local clock offset: 2.608 ms
Remote clock offset: -38.759 ms

Below is generated by plot.py at 2018-08-22 15:51:15
Datalink statistics
-- Total of 1 flow:
Average throughput: 147.70 Mbit/s
95th percentile per-packet one-way delay: 137.415 ms
Loss rate: 0.71%
-- Flow 1:
Average throughput: 147.70 Mbit/s
95th percentile per-packet one-way delay: 137.415 ms
Loss rate: 0.71%

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

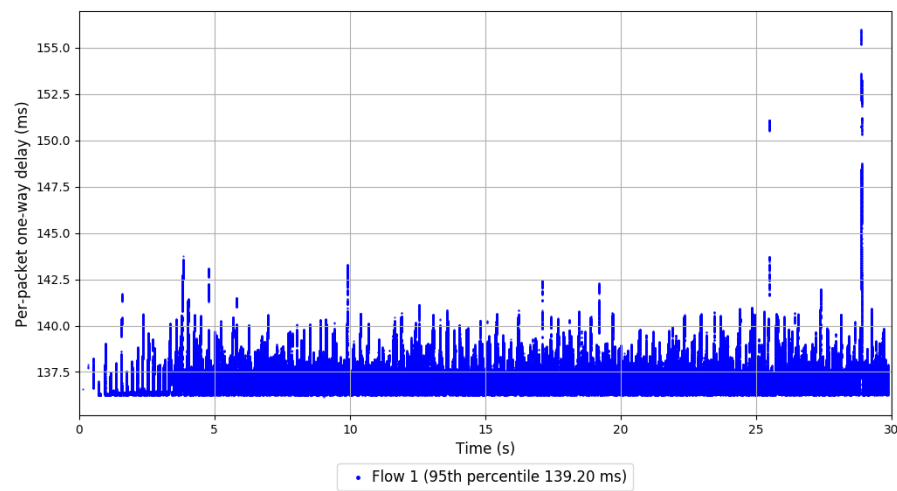
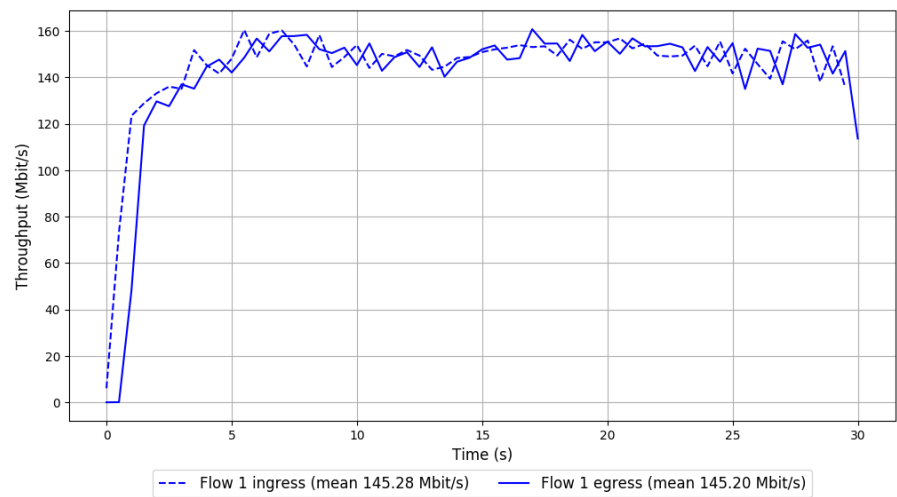


Run 6: Statistics of TaoVA-100x

Start at: 2018-08-22 13:07:51
End at: 2018-08-22 13:08:21
Local clock offset: 1.973 ms
Remote clock offset: -40.293 ms

Below is generated by plot.py at 2018-08-22 15:51:15
Datalink statistics
-- Total of 1 flow:
Average throughput: 145.20 Mbit/s
95th percentile per-packet one-way delay: 139.199 ms
Loss rate: 0.71%
-- Flow 1:
Average throughput: 145.20 Mbit/s
95th percentile per-packet one-way delay: 139.199 ms
Loss rate: 0.71%

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

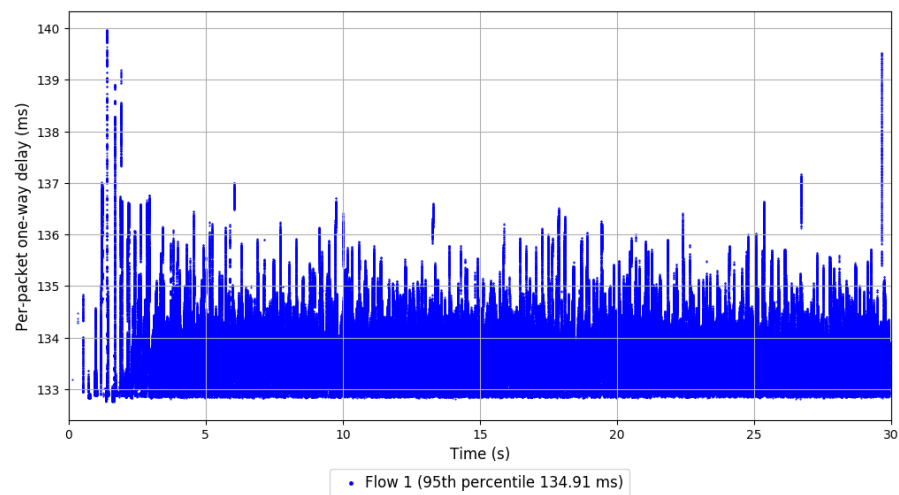
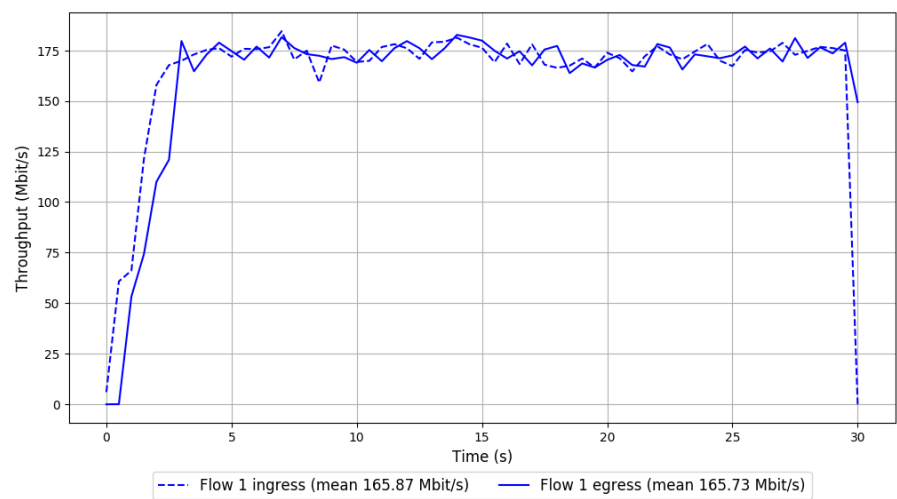


Run 7: Statistics of TaoVA-100x

Start at: 2018-08-22 13:40:54
End at: 2018-08-22 13:41:24
Local clock offset: 0.171 ms
Remote clock offset: -40.278 ms

Below is generated by plot.py at 2018-08-22 15:51:56
Datalink statistics
-- Total of 1 flow:
Average throughput: 165.73 Mbit/s
95th percentile per-packet one-way delay: 134.912 ms
Loss rate: 0.74%
-- Flow 1:
Average throughput: 165.73 Mbit/s
95th percentile per-packet one-way delay: 134.912 ms
Loss rate: 0.74%

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

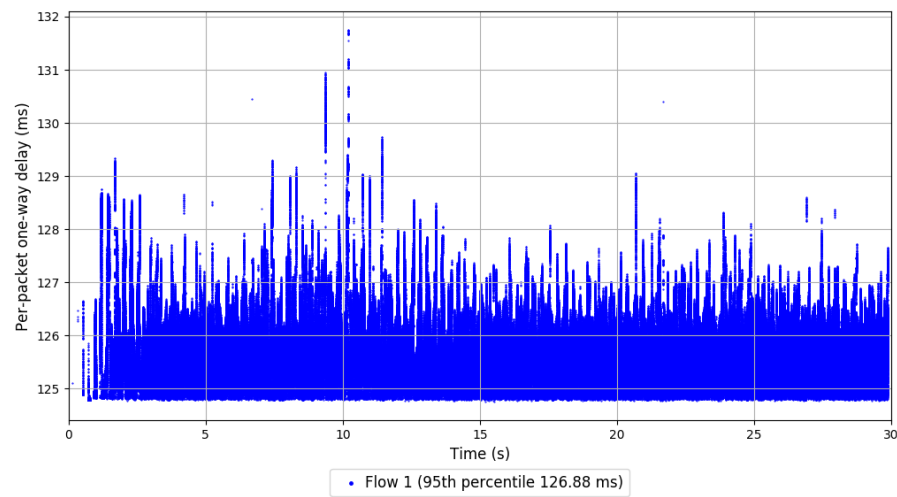
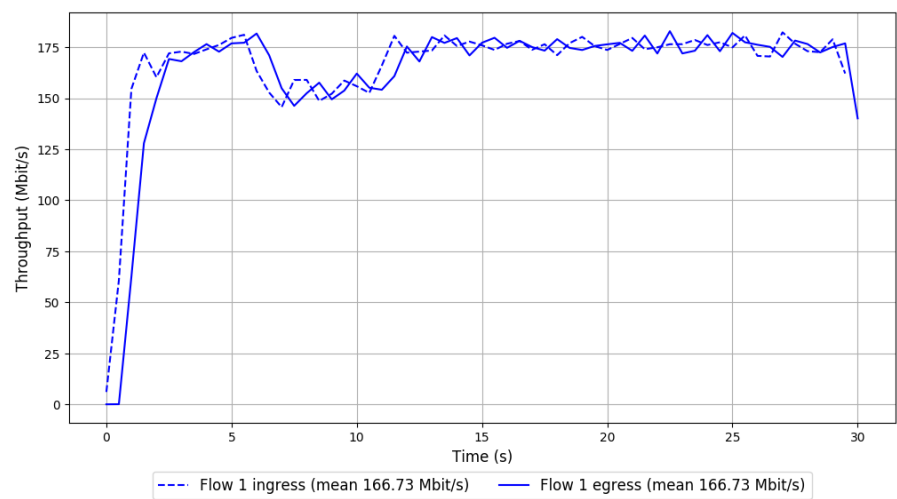


Run 8: Statistics of TaoVA-100x

Start at: 2018-08-22 14:02:58
End at: 2018-08-22 14:03:28
Local clock offset: -3.968 ms
Remote clock offset: -36.442 ms

Below is generated by plot.py at 2018-08-22 15:51:58
Datalink statistics
-- Total of 1 flow:
Average throughput: 166.73 Mbit/s
95th percentile per-packet one-way delay: 126.882 ms
Loss rate: 0.66%
-- Flow 1:
Average throughput: 166.73 Mbit/s
95th percentile per-packet one-way delay: 126.882 ms
Loss rate: 0.66%

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

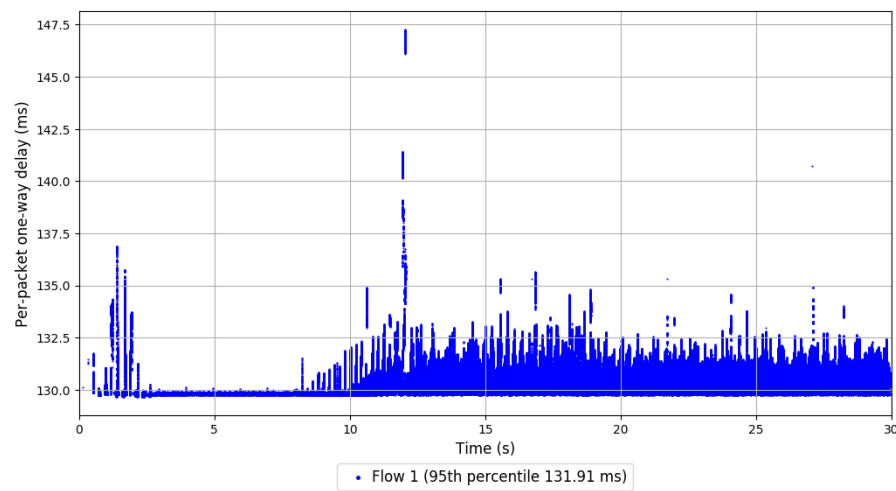
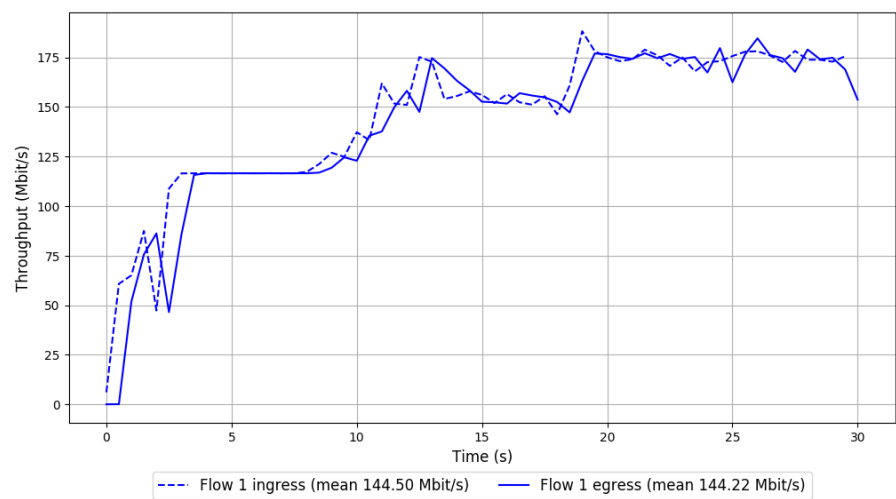


Run 9: Statistics of TaoVA-100x

Start at: 2018-08-22 14:36:01
End at: 2018-08-22 14:36:31
Local clock offset: -0.29 ms
Remote clock offset: -36.648 ms

Below is generated by plot.py at 2018-08-22 15:53:38
Datalink statistics
-- Total of 1 flow:
Average throughput: 144.22 Mbit/s
95th percentile per-packet one-way delay: 131.911 ms
Loss rate: 0.85%
-- Flow 1:
Average throughput: 144.22 Mbit/s
95th percentile per-packet one-way delay: 131.911 ms
Loss rate: 0.85%

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



Run 10: Statistics of TaoVA-100x

Start at: 2018-08-22 14:57:58

End at: 2018-08-22 14:58:28

Local clock offset: -2.589 ms

Remote clock offset: -41.638 ms

Below is generated by plot.py at 2018-08-22 15:54:11

Datalink statistics

-- Total of 1 flow:

Average throughput: 162.80 Mbit/s

95th percentile per-packet one-way delay: 131.133 ms

Loss rate: 0.57%

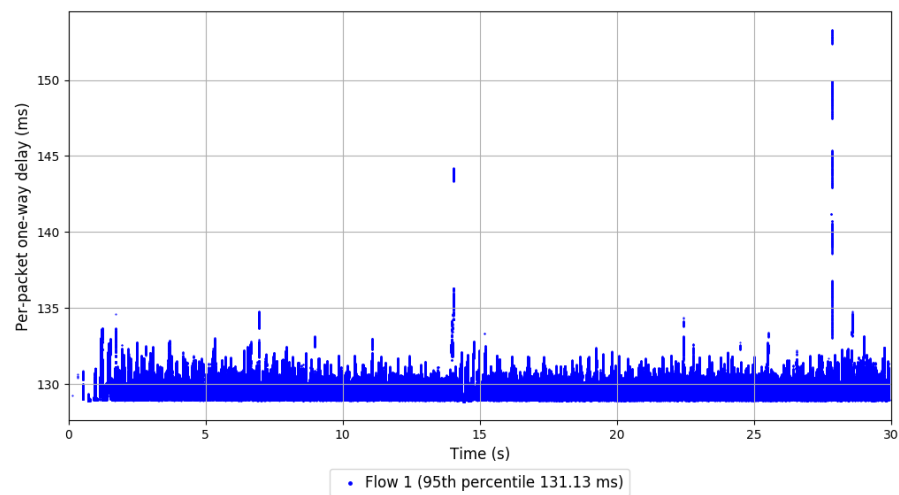
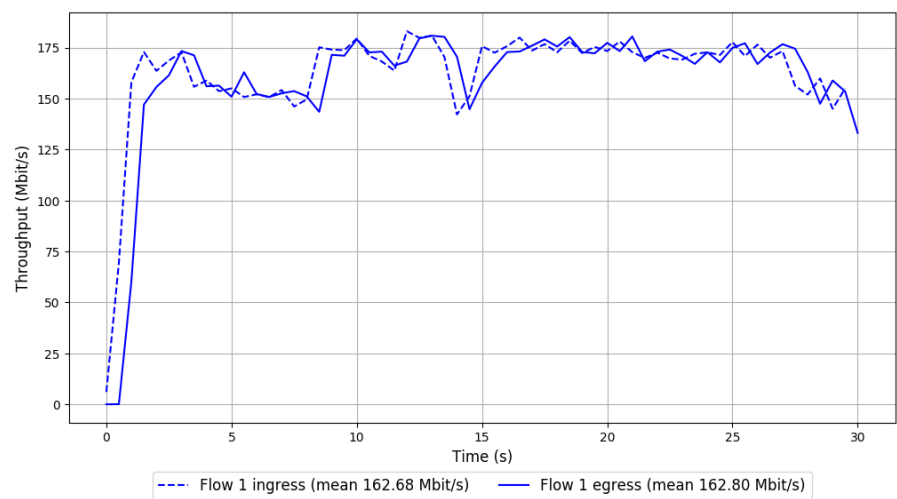
-- Flow 1:

Average throughput: 162.80 Mbit/s

95th percentile per-packet one-way delay: 131.133 ms

Loss rate: 0.57%

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

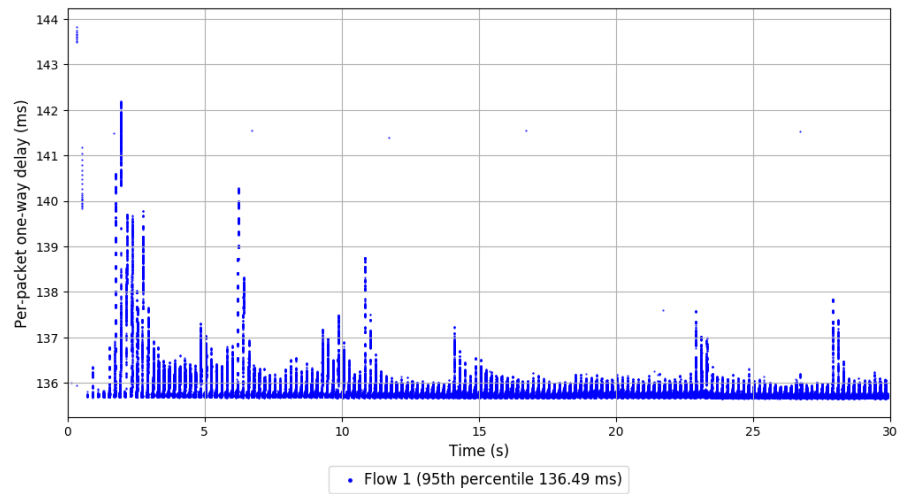
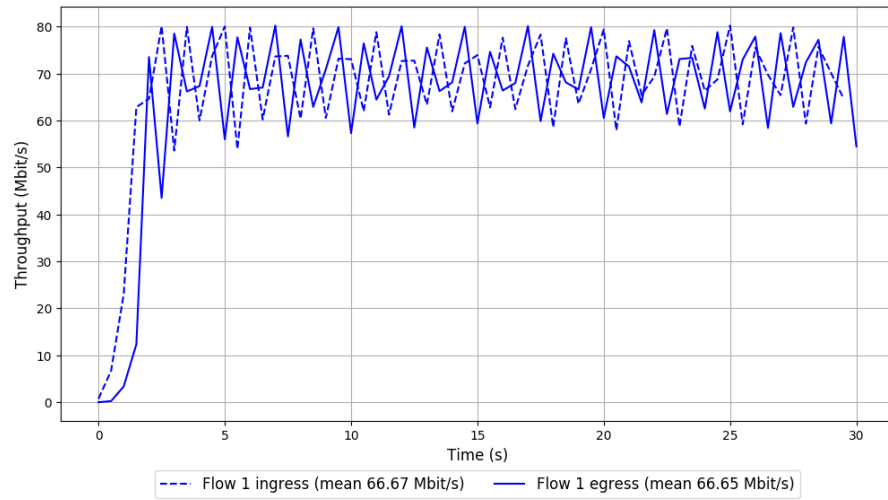


Run 1: Statistics of TCP Vegas

Start at: 2018-08-22 11:21:27
End at: 2018-08-22 11:21:57
Local clock offset: 3.267 ms
Remote clock offset: -38.553 ms

Below is generated by plot.py at 2018-08-22 15:54:11
Datalink statistics
-- Total of 1 flow:
Average throughput: 66.65 Mbit/s
95th percentile per-packet one-way delay: 136.489 ms
Loss rate: 0.68%
-- Flow 1:
Average throughput: 66.65 Mbit/s
95th percentile per-packet one-way delay: 136.489 ms
Loss rate: 0.68%

Run 1: Report of TCP Vegas — Data Link

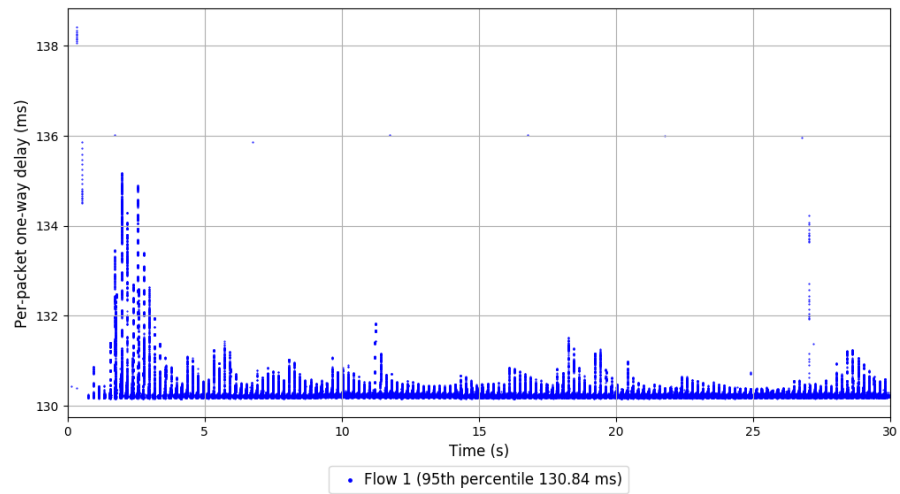
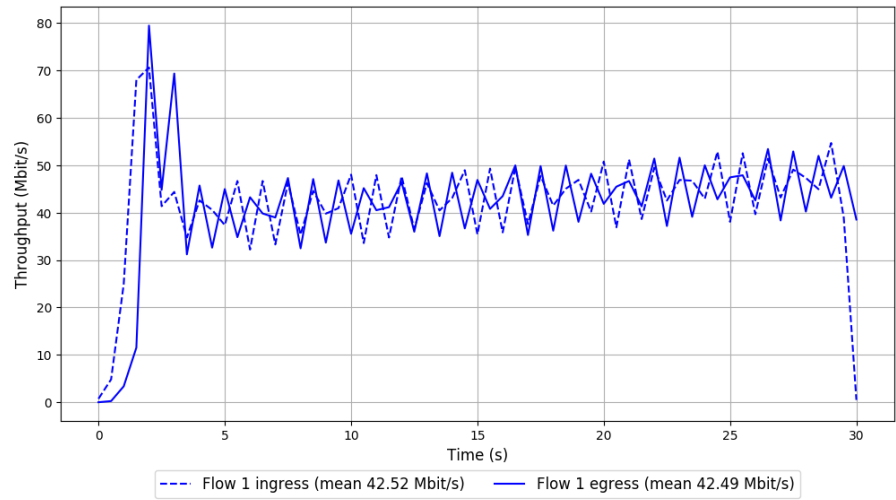


Run 2: Statistics of TCP Vegas

Start at: 2018-08-22 11:43:20
End at: 2018-08-22 11:43:50
Local clock offset: 0.271 ms
Remote clock offset: -35.106 ms

Below is generated by plot.py at 2018-08-22 15:54:11
Datalink statistics
-- Total of 1 flow:
Average throughput: 42.49 Mbit/s
95th percentile per-packet one-way delay: 130.844 ms
Loss rate: 0.73%
-- Flow 1:
Average throughput: 42.49 Mbit/s
95th percentile per-packet one-way delay: 130.844 ms
Loss rate: 0.73%

Run 2: Report of TCP Vegas — Data Link

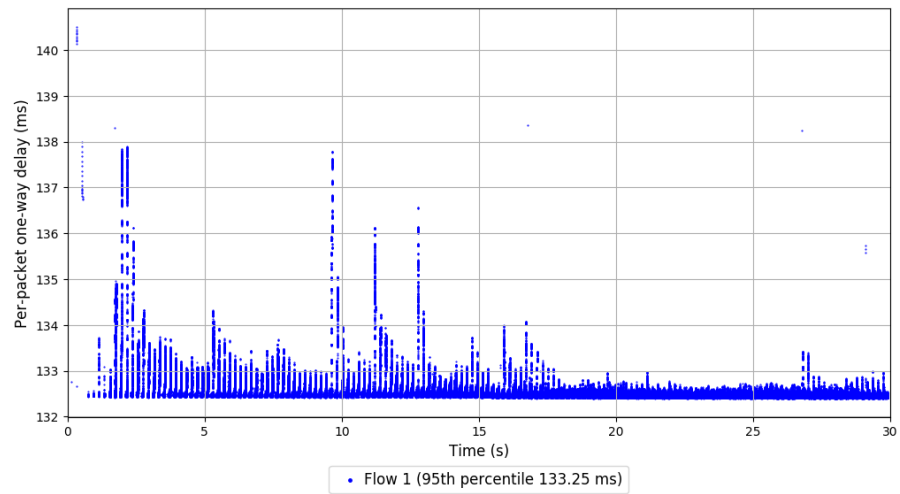
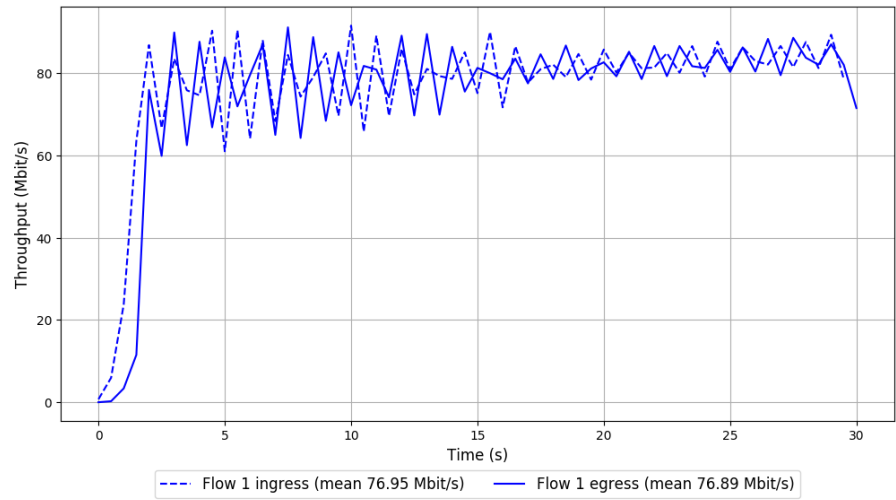


Run 3: Statistics of TCP Vegas

Start at: 2018-08-22 12:10:47
End at: 2018-08-22 12:11:17
Local clock offset: 2.245 ms
Remote clock offset: -35.63 ms

Below is generated by plot.py at 2018-08-22 15:54:11
Datalink statistics
-- Total of 1 flow:
Average throughput: 76.89 Mbit/s
95th percentile per-packet one-way delay: 133.246 ms
Loss rate: 0.72%
-- Flow 1:
Average throughput: 76.89 Mbit/s
95th percentile per-packet one-way delay: 133.246 ms
Loss rate: 0.72%

Run 3: Report of TCP Vegas — Data Link



Run 4: Statistics of TCP Vegas

Start at: 2018-08-22 12:38:29

End at: 2018-08-22 12:38:59

Local clock offset: 3.6 ms

Remote clock offset: -35.409 ms

Below is generated by plot.py at 2018-08-22 15:54:11

Datalink statistics

-- Total of 1 flow:

Average throughput: 37.52 Mbit/s

95th percentile per-packet one-way delay: 132.335 ms

Loss rate: 0.65%

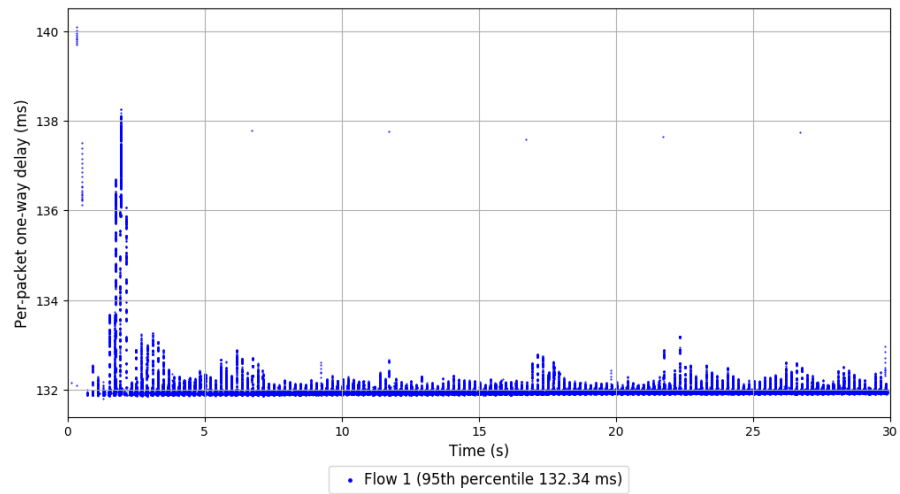
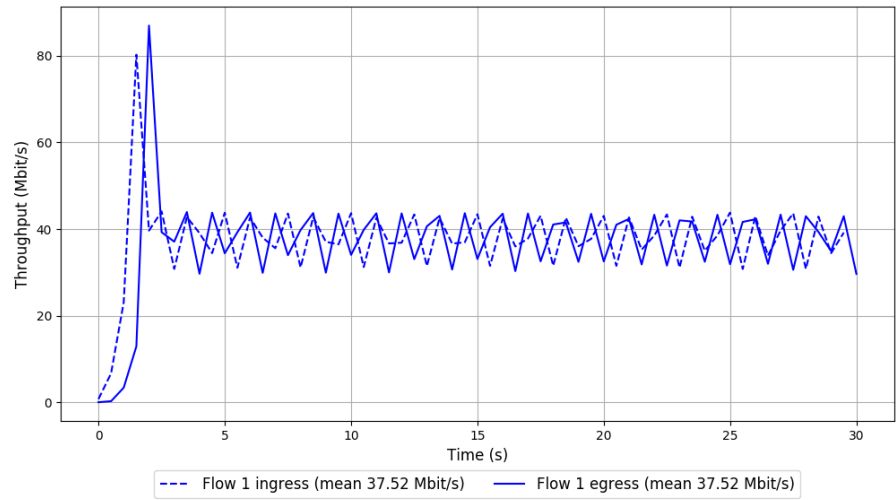
-- Flow 1:

Average throughput: 37.52 Mbit/s

95th percentile per-packet one-way delay: 132.335 ms

Loss rate: 0.65%

Run 4: Report of TCP Vegas — Data Link

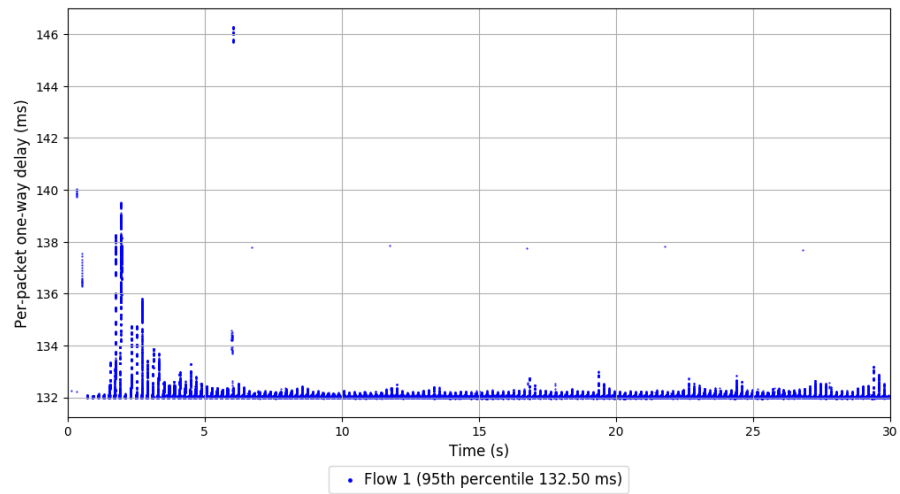
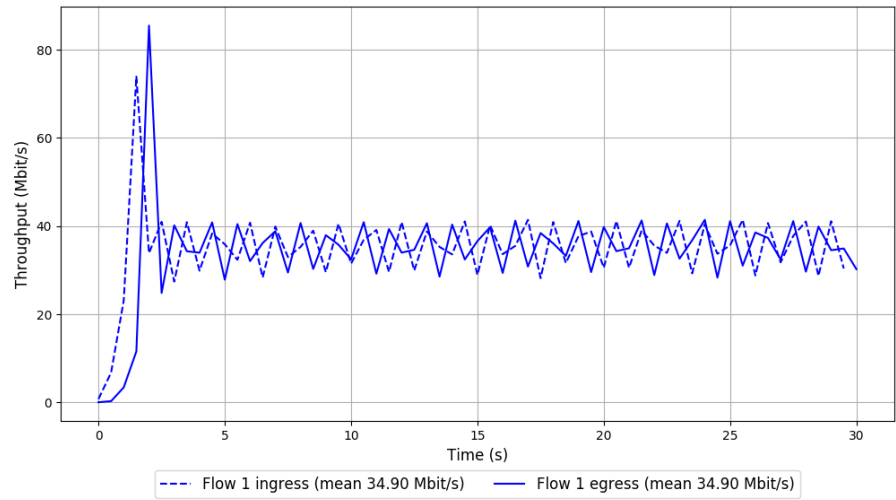


Run 5: Statistics of TCP Vegas

Start at: 2018-08-22 13:00:11
End at: 2018-08-22 13:00:41
Local clock offset: 2.271 ms
Remote clock offset: -35.46 ms

Below is generated by plot.py at 2018-08-22 15:54:11
Datalink statistics
-- Total of 1 flow:
Average throughput: 34.90 Mbit/s
95th percentile per-packet one-way delay: 132.500 ms
Loss rate: 0.66%
-- Flow 1:
Average throughput: 34.90 Mbit/s
95th percentile per-packet one-way delay: 132.500 ms
Loss rate: 0.66%

Run 5: Report of TCP Vegas — Data Link

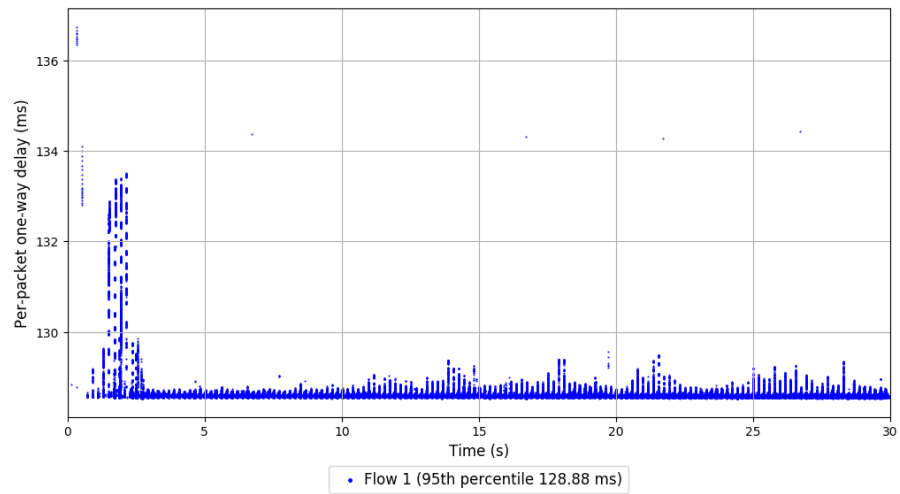
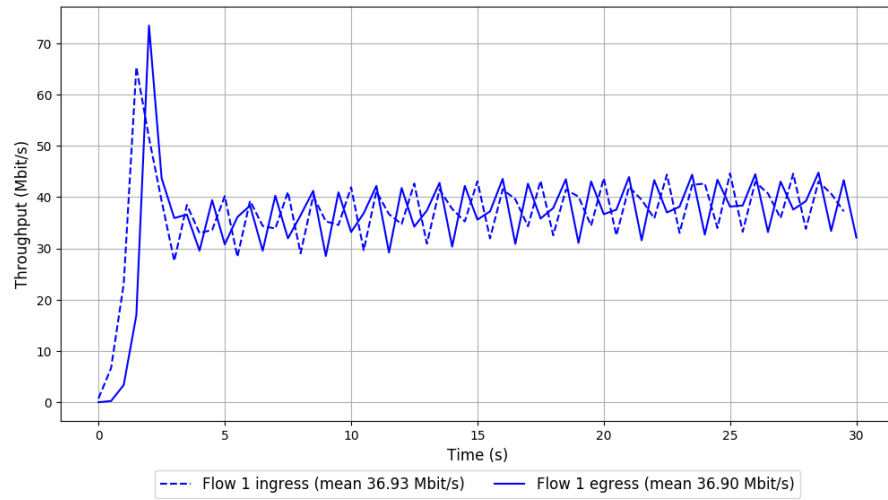


Run 6: Statistics of TCP Vegas

Start at: 2018-08-22 13:27:39
End at: 2018-08-22 13:28:09
Local clock offset: 1.43 ms
Remote clock offset: -34.635 ms

Below is generated by plot.py at 2018-08-22 15:54:11
Datalink statistics
-- Total of 1 flow:
Average throughput: 36.90 Mbit/s
95th percentile per-packet one-way delay: 128.881 ms
Loss rate: 0.70%
-- Flow 1:
Average throughput: 36.90 Mbit/s
95th percentile per-packet one-way delay: 128.881 ms
Loss rate: 0.70%

Run 6: Report of TCP Vegas — Data Link

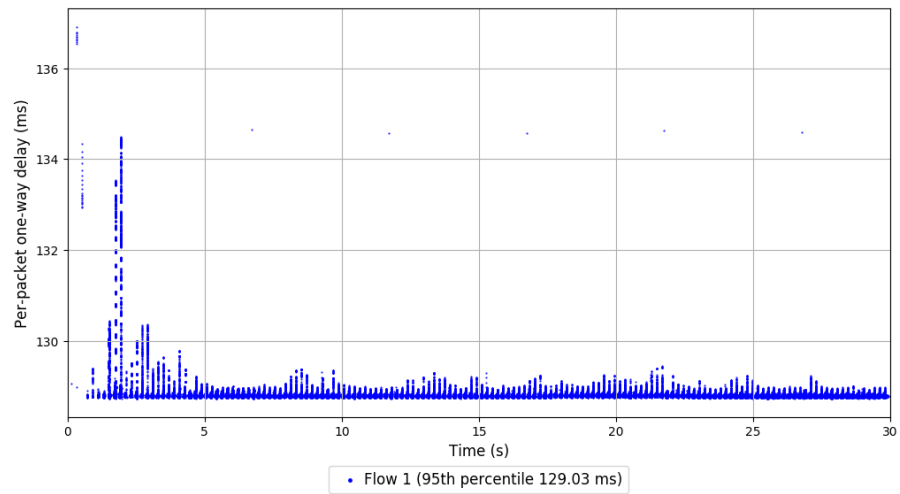
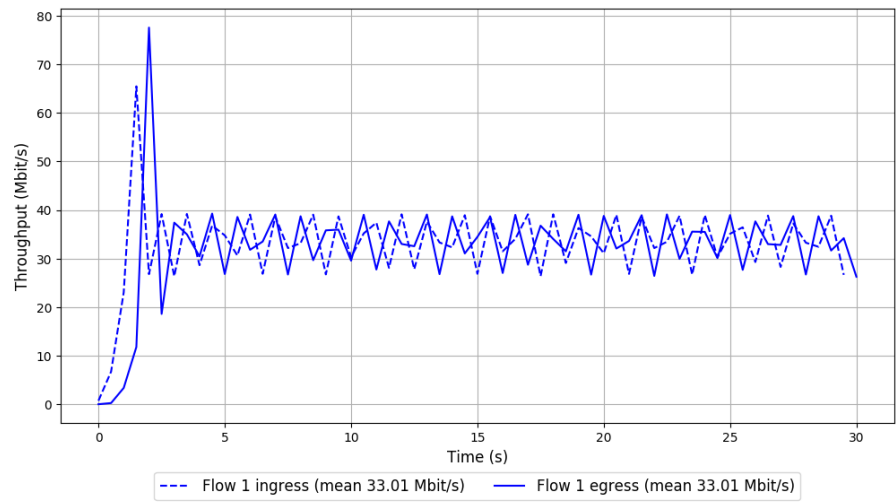


Run 7: Statistics of TCP Vegas

Start at: 2018-08-22 13:55:13
End at: 2018-08-22 13:55:44
Local clock offset: -2.107 ms
Remote clock offset: -37.312 ms

Below is generated by plot.py at 2018-08-22 15:54:11
Datalink statistics
-- Total of 1 flow:
Average throughput: 33.01 Mbit/s
95th percentile per-packet one-way delay: 129.034 ms
Loss rate: 0.66%
-- Flow 1:
Average throughput: 33.01 Mbit/s
95th percentile per-packet one-way delay: 129.034 ms
Loss rate: 0.66%

Run 7: Report of TCP Vegas — Data Link

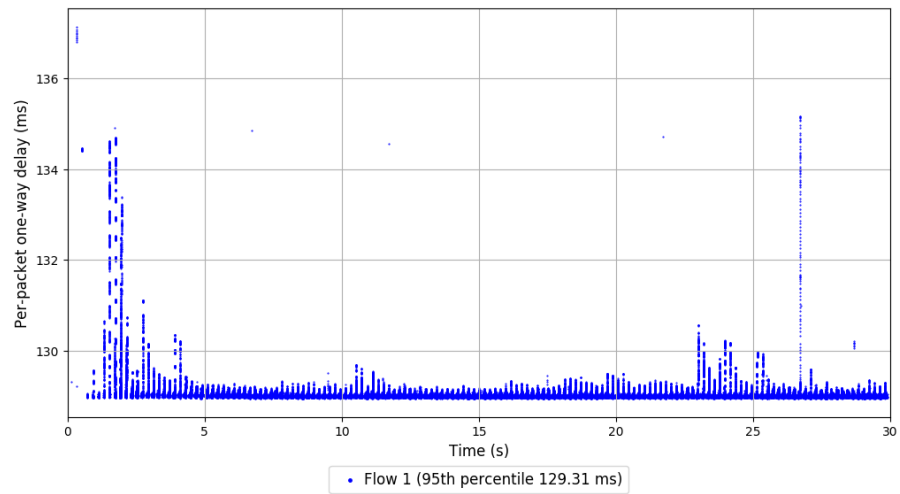
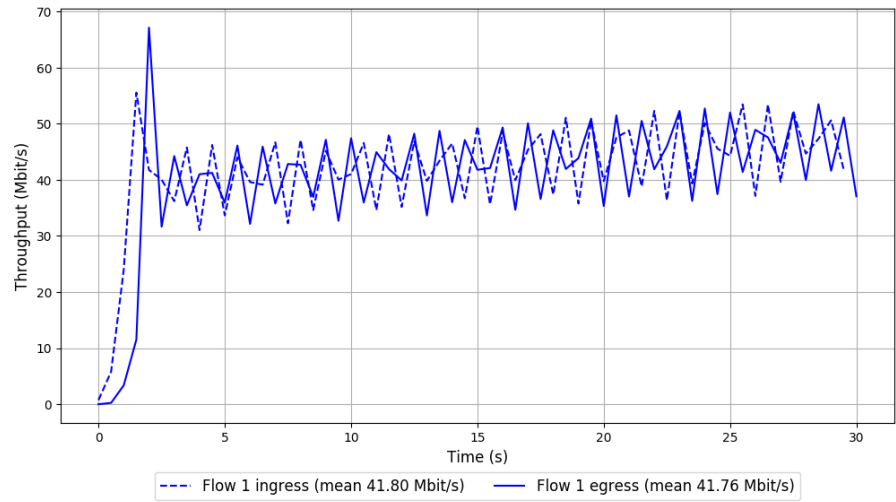


Run 8: Statistics of TCP Vegas

Start at: 2018-08-22 14:17:11
End at: 2018-08-22 14:17:41
Local clock offset: -4.751 ms
Remote clock offset: -41.162 ms

Below is generated by plot.py at 2018-08-22 15:54:11
Datalink statistics
-- Total of 1 flow:
Average throughput: 41.76 Mbit/s
95th percentile per-packet one-way delay: 129.307 ms
Loss rate: 0.74%
-- Flow 1:
Average throughput: 41.76 Mbit/s
95th percentile per-packet one-way delay: 129.307 ms
Loss rate: 0.74%

Run 8: Report of TCP Vegas — Data Link

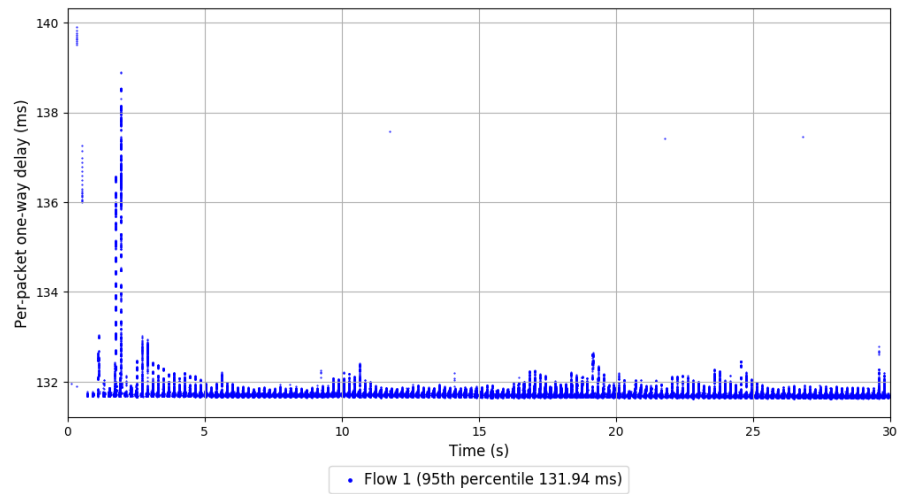
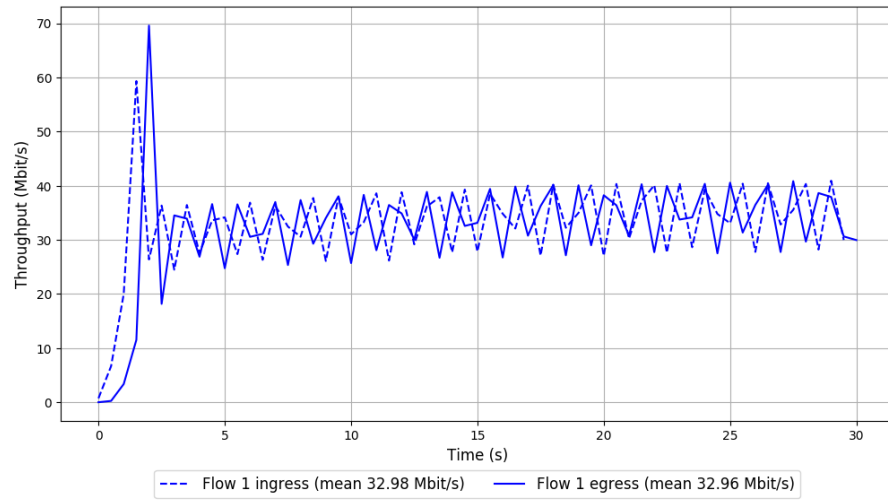


Run 9: Statistics of TCP Vegas

Start at: 2018-08-22 14:50:15
End at: 2018-08-22 14:50:45
Local clock offset: -0.424 ms
Remote clock offset: -40.699 ms

Below is generated by plot.py at 2018-08-22 15:54:11
Datalink statistics
-- Total of 1 flow:
Average throughput: 32.96 Mbit/s
95th percentile per-packet one-way delay: 131.945 ms
Loss rate: 0.69%
-- Flow 1:
Average throughput: 32.96 Mbit/s
95th percentile per-packet one-way delay: 131.945 ms
Loss rate: 0.69%

Run 9: Report of TCP Vegas — Data Link

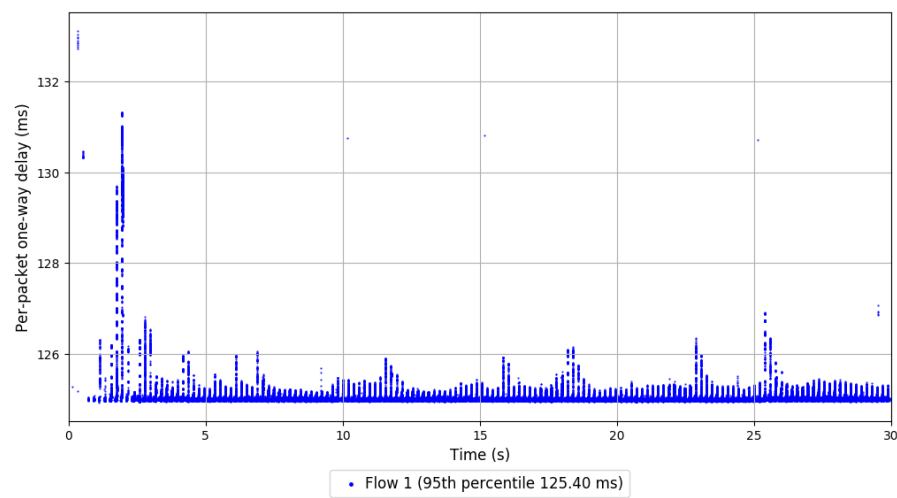
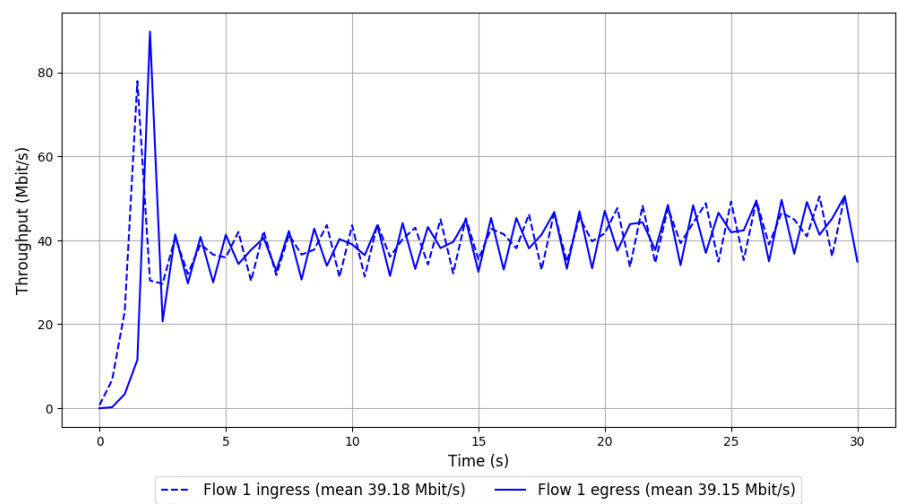


Run 10: Statistics of TCP Vegas

Start at: 2018-08-22 15:12:12
End at: 2018-08-22 15:12:42
Local clock offset: -2.028 ms
Remote clock offset: -37.571 ms

Below is generated by plot.py at 2018-08-22 15:54:11
Datalink statistics
-- Total of 1 flow:
Average throughput: 39.15 Mbit/s
95th percentile per-packet one-way delay: 125.402 ms
Loss rate: 0.74%
-- Flow 1:
Average throughput: 39.15 Mbit/s
95th percentile per-packet one-way delay: 125.402 ms
Loss rate: 0.74%

Run 10: Report of TCP Vegas — Data Link

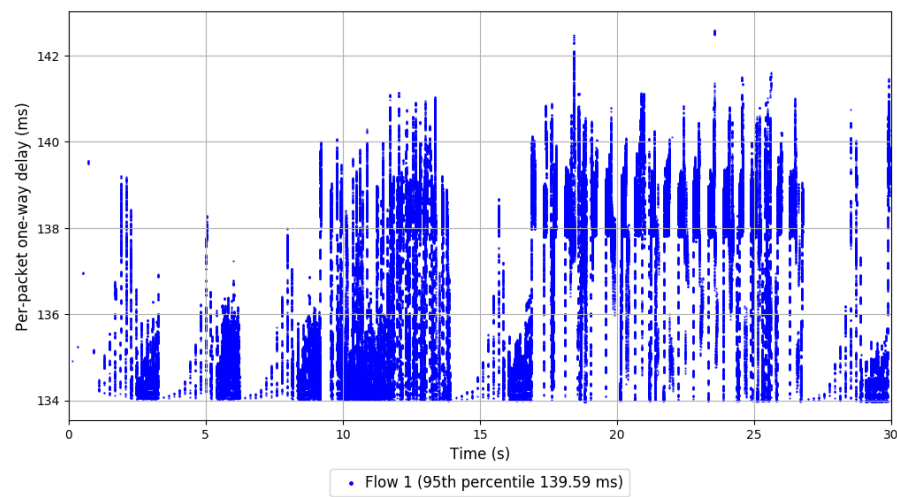
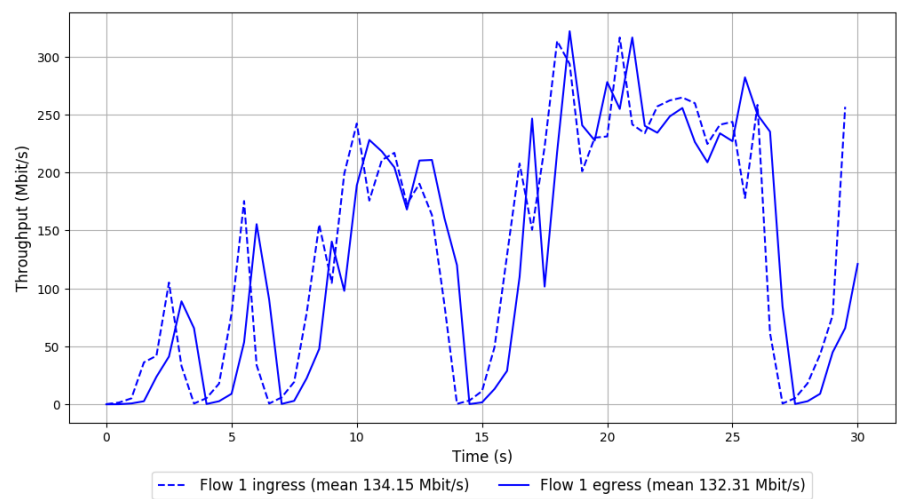


Run 1: Statistics of Verus

Start at: 2018-08-22 11:09:53
End at: 2018-08-22 11:10:23
Local clock offset: -0.458 ms
Remote clock offset: -38.411 ms

Below is generated by plot.py at 2018-08-22 15:54:11
Datalink statistics
-- Total of 1 flow:
Average throughput: 132.31 Mbit/s
95th percentile per-packet one-way delay: 139.593 ms
Loss rate: 1.95%
-- Flow 1:
Average throughput: 132.31 Mbit/s
95th percentile per-packet one-way delay: 139.593 ms
Loss rate: 1.95%

Run 1: Report of Verus — Data Link

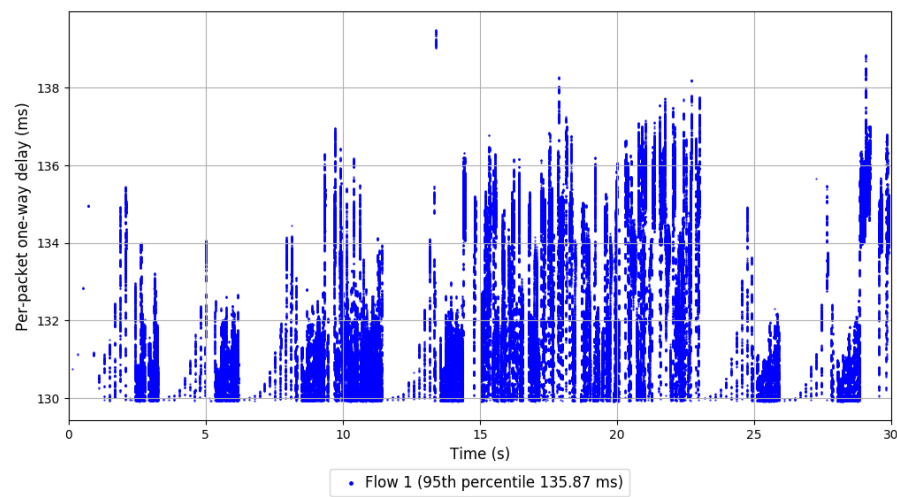
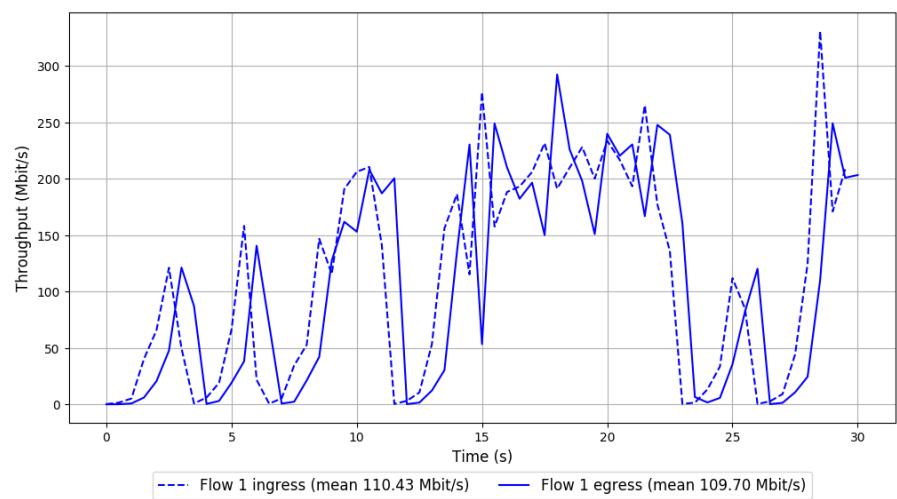


Run 2: Statistics of Verus

Start at: 2018-08-22 11:32:07
End at: 2018-08-22 11:32:37
Local clock offset: 1.84 ms
Remote clock offset: -34.499 ms

Below is generated by plot.py at 2018-08-22 15:54:11
Datalink statistics
-- Total of 1 flow:
Average throughput: 109.70 Mbit/s
95th percentile per-packet one-way delay: 135.868 ms
Loss rate: 1.38%
-- Flow 1:
Average throughput: 109.70 Mbit/s
95th percentile per-packet one-way delay: 135.868 ms
Loss rate: 1.38%

Run 2: Report of Verus — Data Link

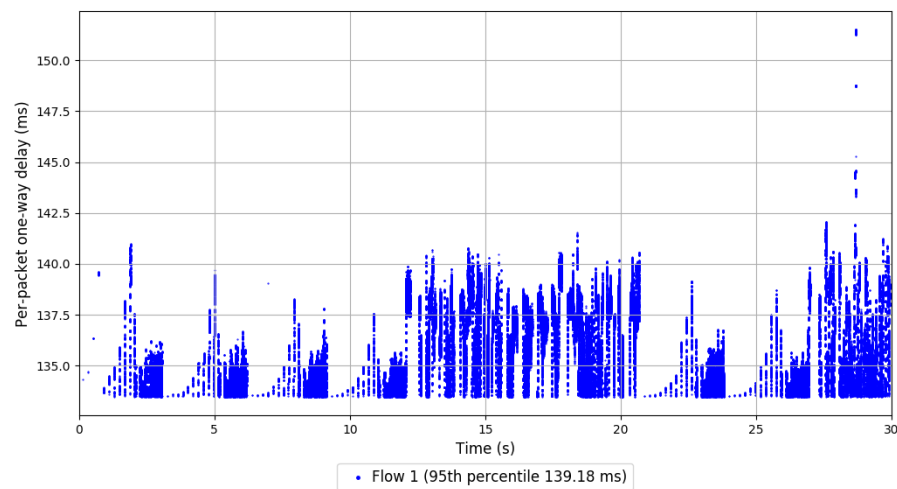
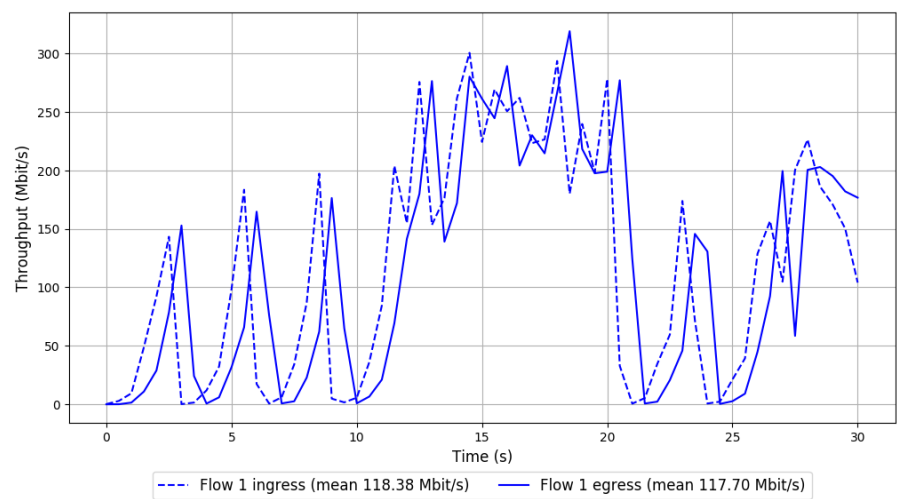


Run 3: Statistics of Verus

Start at: 2018-08-22 11:53:55
End at: 2018-08-22 11:54:25
Local clock offset: 1.106 ms
Remote clock offset: -38.55 ms

Below is generated by plot.py at 2018-08-22 15:54:11
Datalink statistics
-- Total of 1 flow:
Average throughput: 117.70 Mbit/s
95th percentile per-packet one-way delay: 139.175 ms
Loss rate: 1.78%
-- Flow 1:
Average throughput: 117.70 Mbit/s
95th percentile per-packet one-way delay: 139.175 ms
Loss rate: 1.78%

Run 3: Report of Verus — Data Link

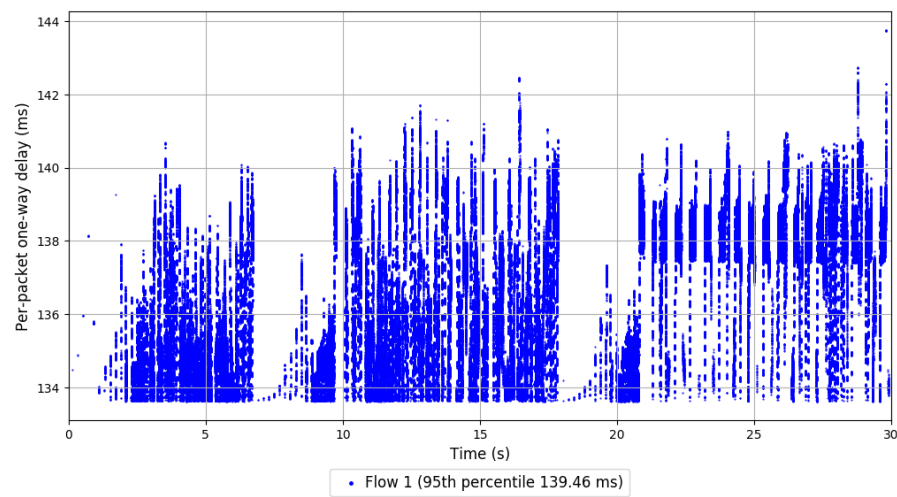
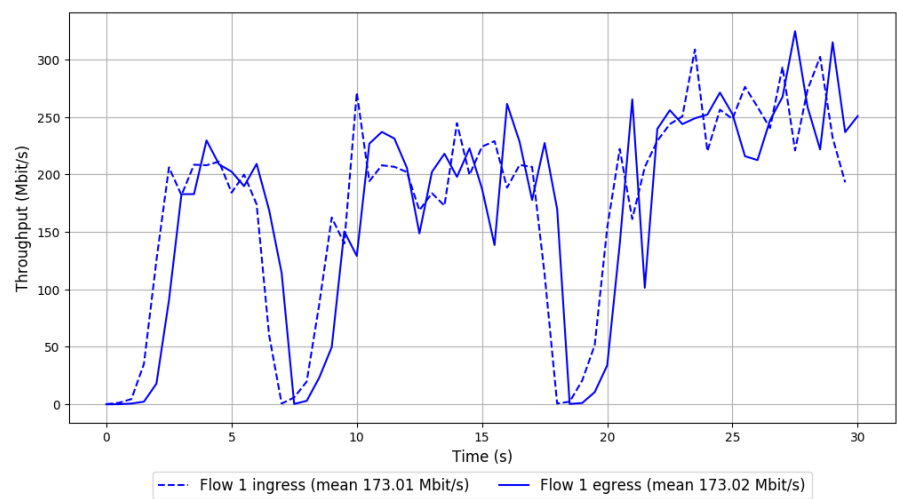


Run 4: Statistics of Verus

Start at: 2018-08-22 12:21:25
End at: 2018-08-22 12:21:55
Local clock offset: 2.444 ms
Remote clock offset: -38.209 ms

Below is generated by plot.py at 2018-08-22 15:54:12
Datalink statistics
-- Total of 1 flow:
Average throughput: 173.02 Mbit/s
95th percentile per-packet one-way delay: 139.464 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 173.02 Mbit/s
95th percentile per-packet one-way delay: 139.464 ms
Loss rate: 0.00%

Run 4: Report of Verus — Data Link



Run 5: Statistics of Verus

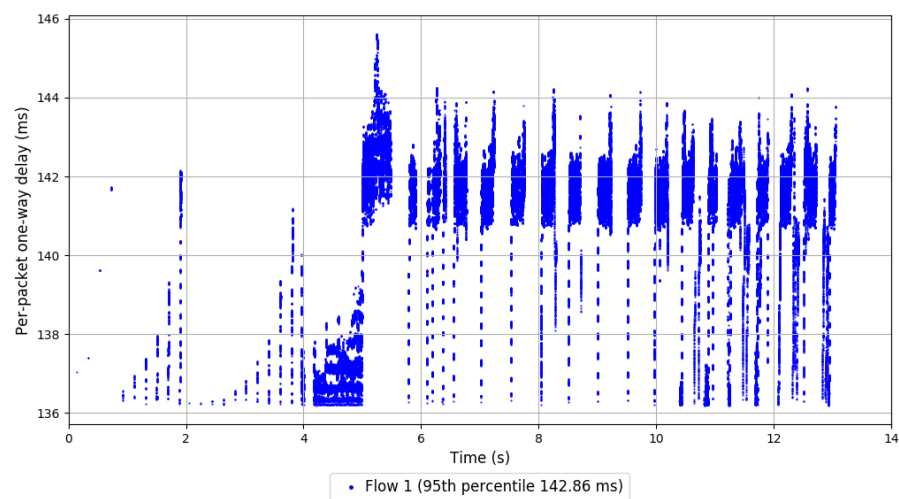
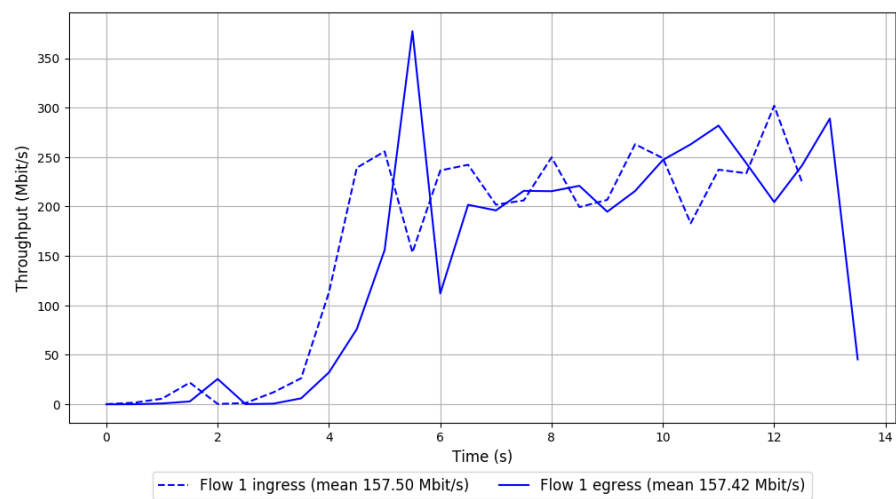
Start at: 2018-08-22 12:49:03

End at: 2018-08-22 12:49:33

Local clock offset: 2.973 ms

Remote clock offset: -38.822 ms

Run 5: Report of Verus — Data Link

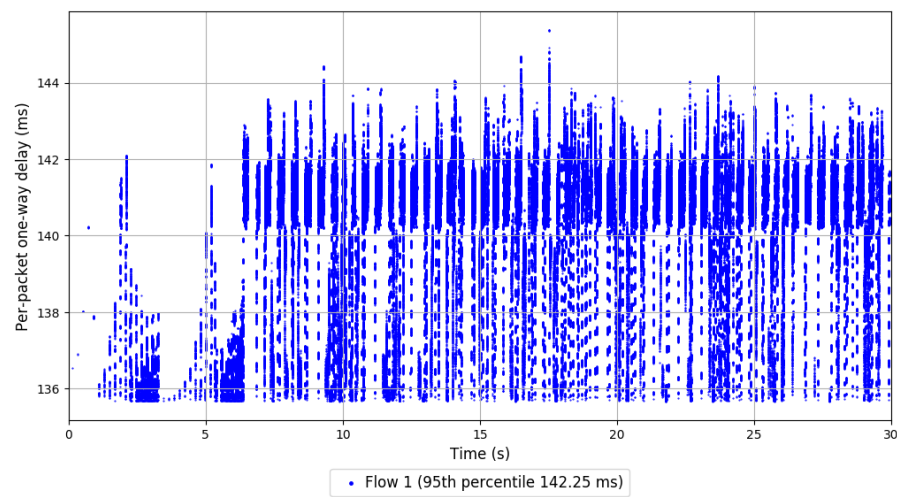
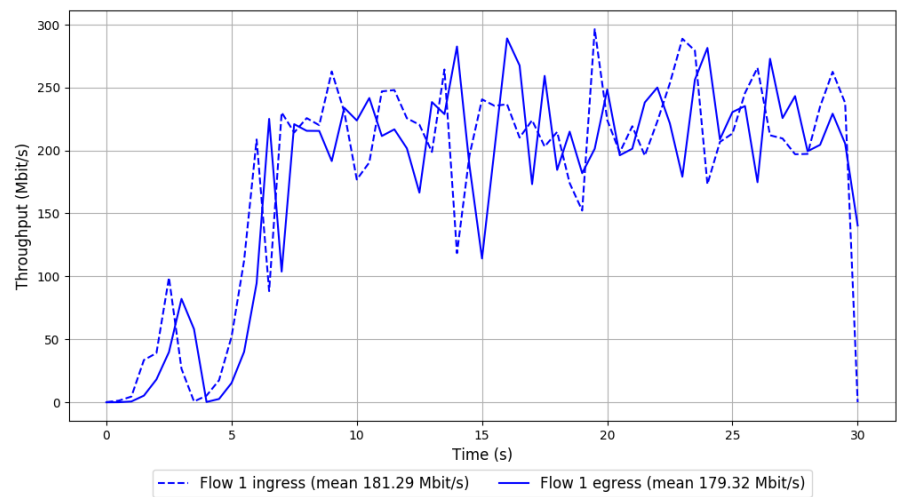


Run 6: Statistics of Verus

Start at: 2018-08-22 13:16:12
End at: 2018-08-22 13:16:42
Local clock offset: 2.5 ms
Remote clock offset: -40.405 ms

Below is generated by plot.py at 2018-08-22 15:54:32
Datalink statistics
-- Total of 1 flow:
Average throughput: 179.32 Mbit/s
95th percentile per-packet one-way delay: 142.249 ms
Loss rate: 1.76%
-- Flow 1:
Average throughput: 179.32 Mbit/s
95th percentile per-packet one-way delay: 142.249 ms
Loss rate: 1.76%

Run 6: Report of Verus — Data Link

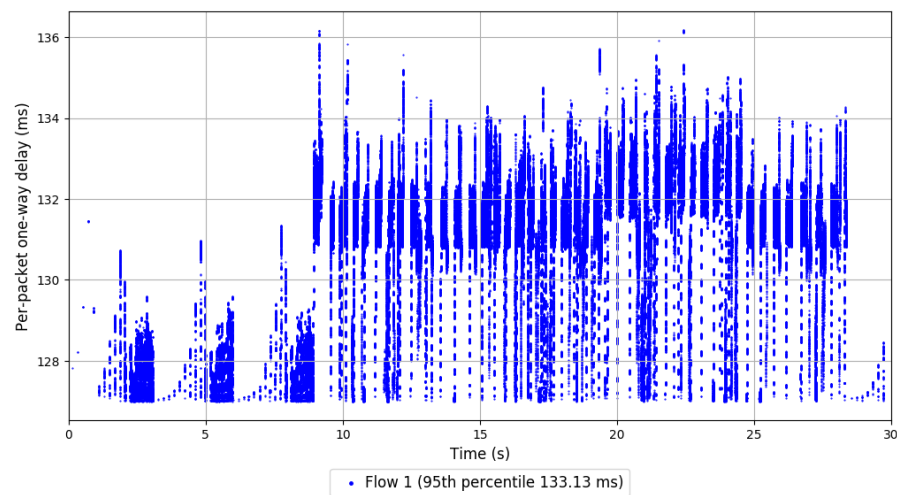
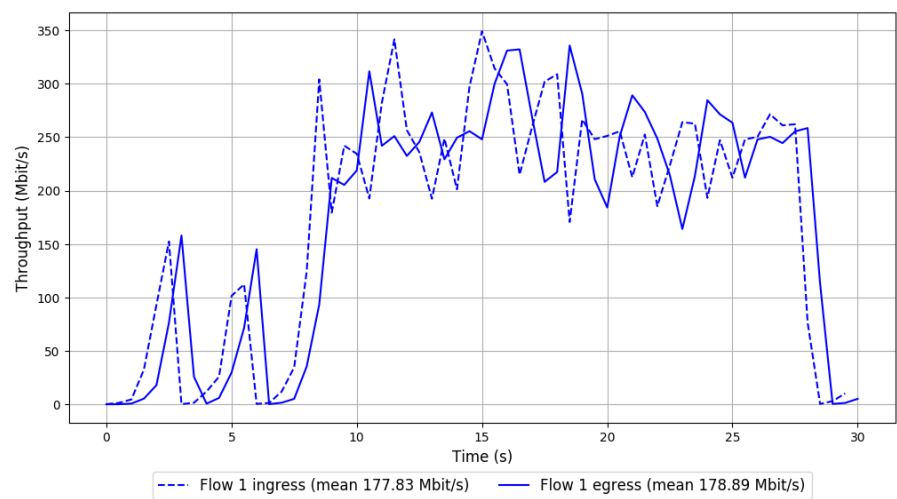


Run 7: Statistics of Verus

Start at: 2018-08-22 13:43:57
End at: 2018-08-22 13:44:27
Local clock offset: -1.338 ms
Remote clock offset: -35.868 ms

Below is generated by plot.py at 2018-08-22 15:55:04
Datalink statistics
-- Total of 1 flow:
Average throughput: 178.89 Mbit/s
95th percentile per-packet one-way delay: 133.132 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 178.89 Mbit/s
95th percentile per-packet one-way delay: 133.132 ms
Loss rate: 0.06%

Run 7: Report of Verus — Data Link

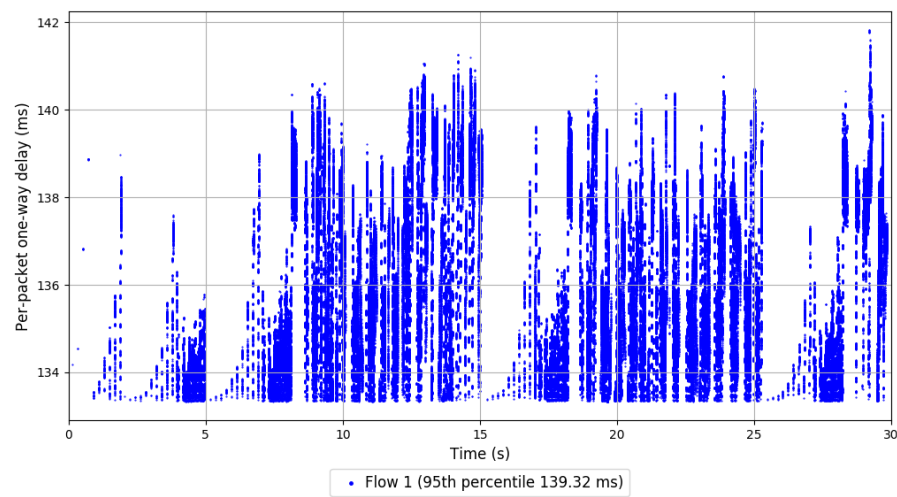
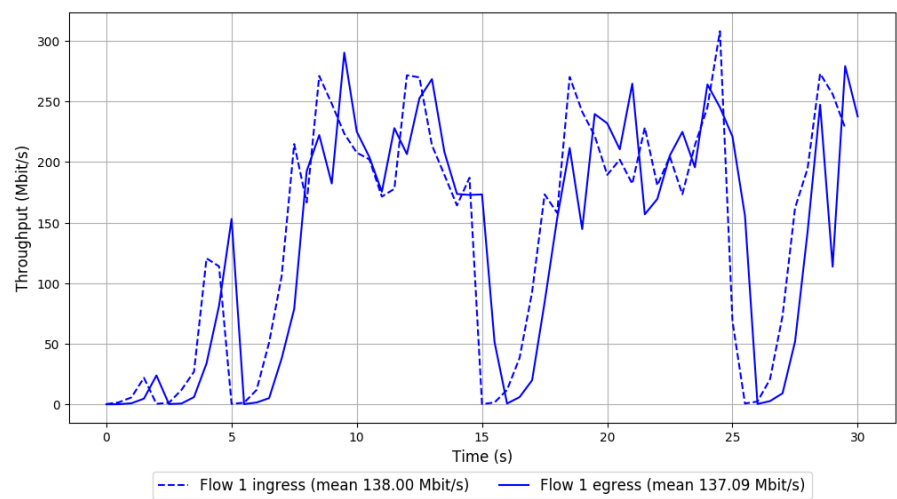


Run 8: Statistics of Verus

Start at: 2018-08-22 14:05:52
End at: 2018-08-22 14:06:22
Local clock offset: -1.693 ms
Remote clock offset: -41.587 ms

Below is generated by plot.py at 2018-08-22 15:55:04
Datalink statistics
-- Total of 1 flow:
Average throughput: 137.09 Mbit/s
95th percentile per-packet one-way delay: 139.320 ms
Loss rate: 1.53%
-- Flow 1:
Average throughput: 137.09 Mbit/s
95th percentile per-packet one-way delay: 139.320 ms
Loss rate: 1.53%

Run 8: Report of Verus — Data Link

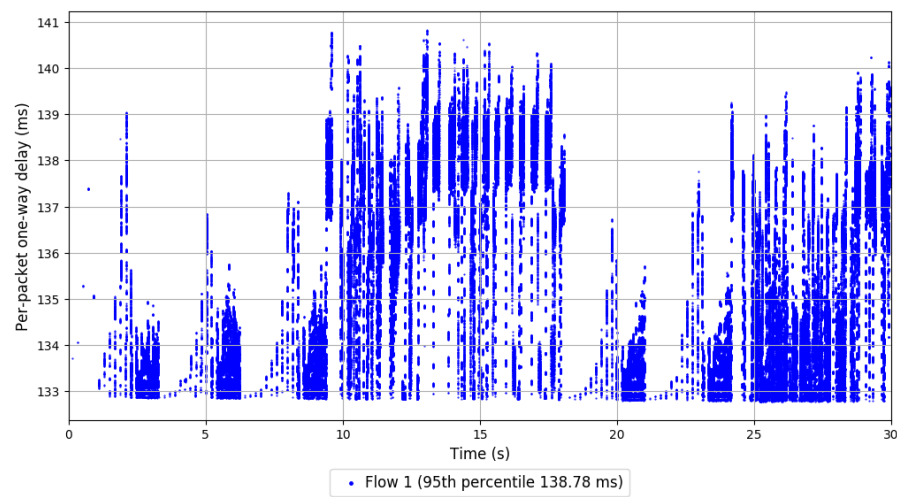
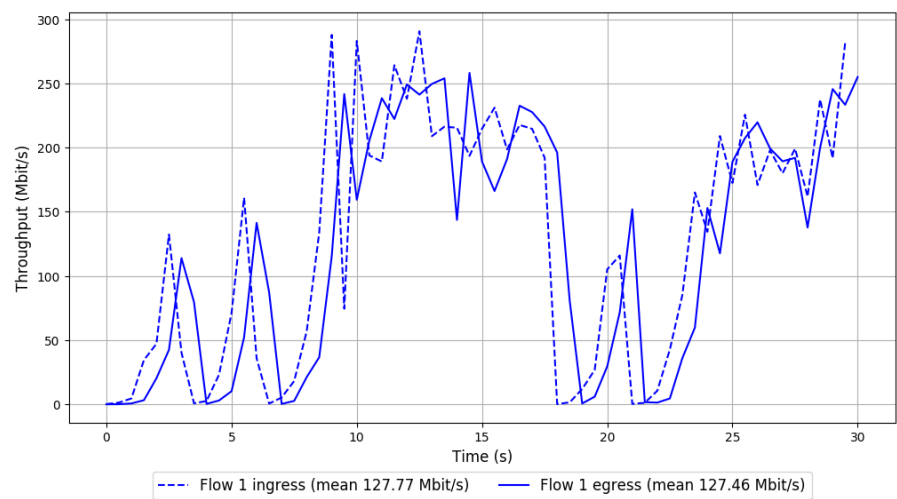


Run 9: Statistics of Verus

Start at: 2018-08-22 14:39:00
End at: 2018-08-22 14:39:30
Local clock offset: -1.532 ms
Remote clock offset: -41.603 ms

Below is generated by plot.py at 2018-08-22 15:55:04
Datalink statistics
-- Total of 1 flow:
Average throughput: 127.46 Mbit/s
95th percentile per-packet one-way delay: 138.778 ms
Loss rate: 0.35%
-- Flow 1:
Average throughput: 127.46 Mbit/s
95th percentile per-packet one-way delay: 138.778 ms
Loss rate: 0.35%

Run 9: Report of Verus — Data Link



Run 10: Statistics of Verus

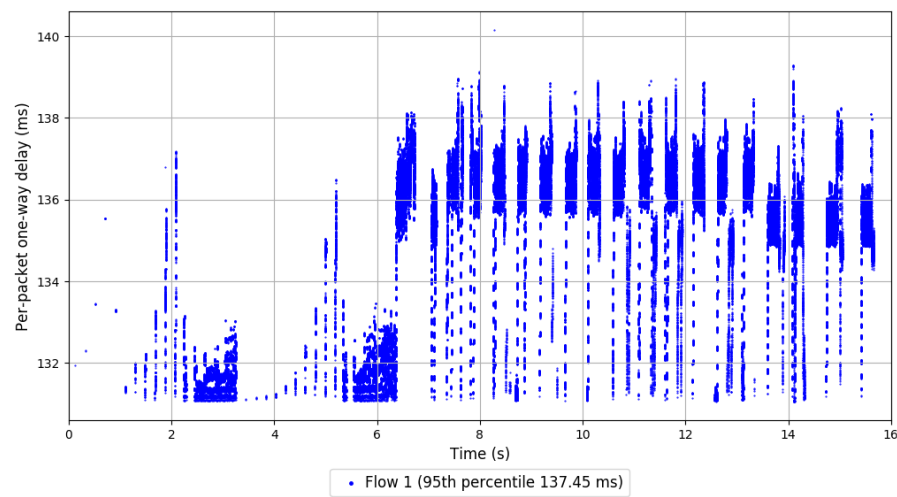
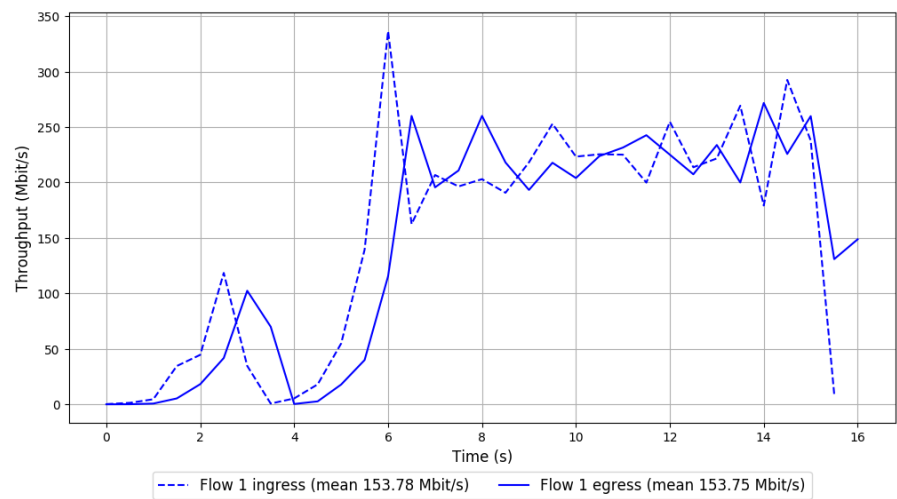
Start at: 2018-08-22 15:00:51

End at: 2018-08-22 15:01:21

Local clock offset: 2.221 ms

Remote clock offset: -39.097 ms

Run 10: Report of Verus — Data Link

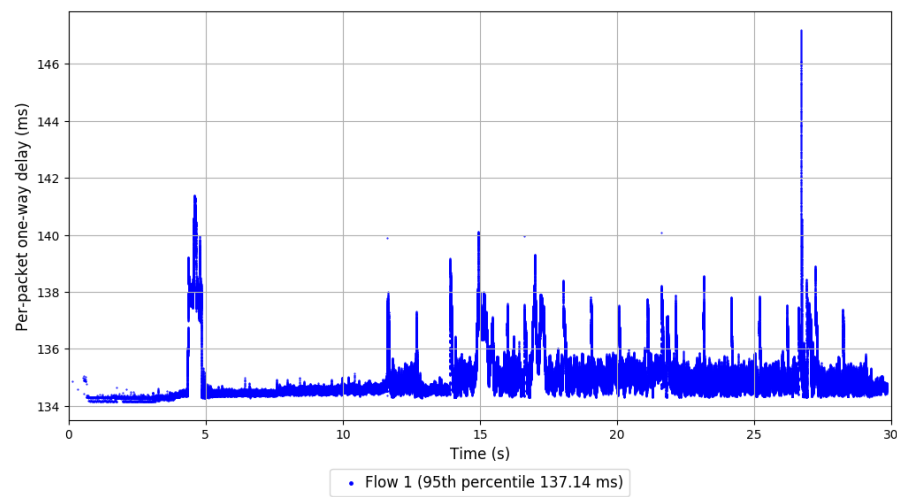
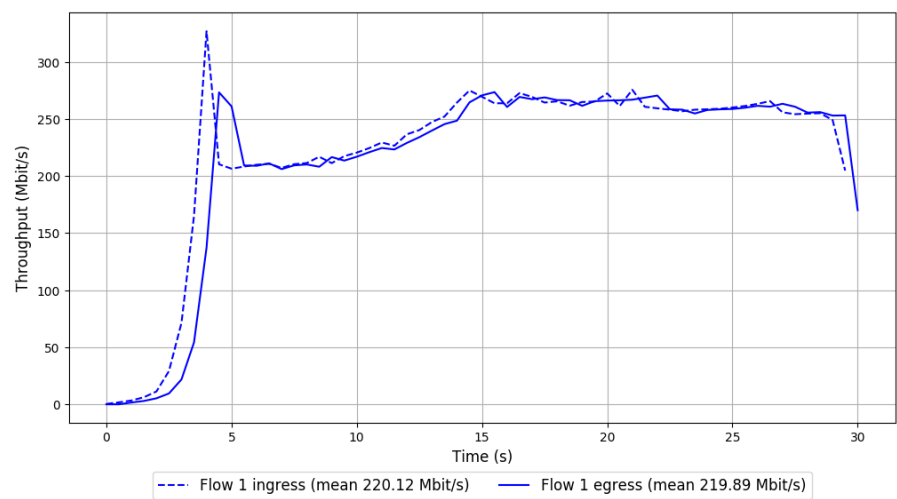


Run 1: Statistics of PCC-Vivace

Start at: 2018-08-22 11:05:34
End at: 2018-08-22 11:06:04
Local clock offset: -0.601 ms
Remote clock offset: -38.117 ms

Below is generated by plot.py at 2018-08-22 15:56:21
Datalink statistics
-- Total of 1 flow:
Average throughput: 219.89 Mbit/s
95th percentile per-packet one-way delay: 137.141 ms
Loss rate: 0.76%
-- Flow 1:
Average throughput: 219.89 Mbit/s
95th percentile per-packet one-way delay: 137.141 ms
Loss rate: 0.76%

Run 1: Report of PCC-Vivace — Data Link

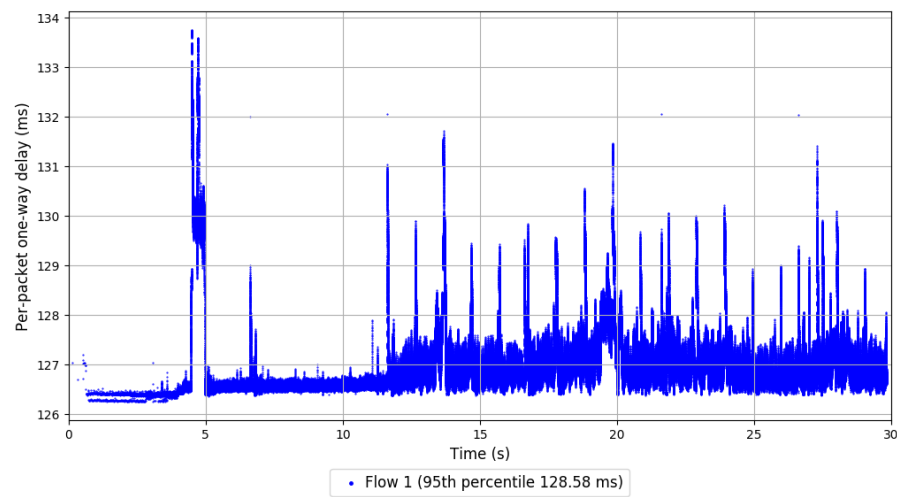
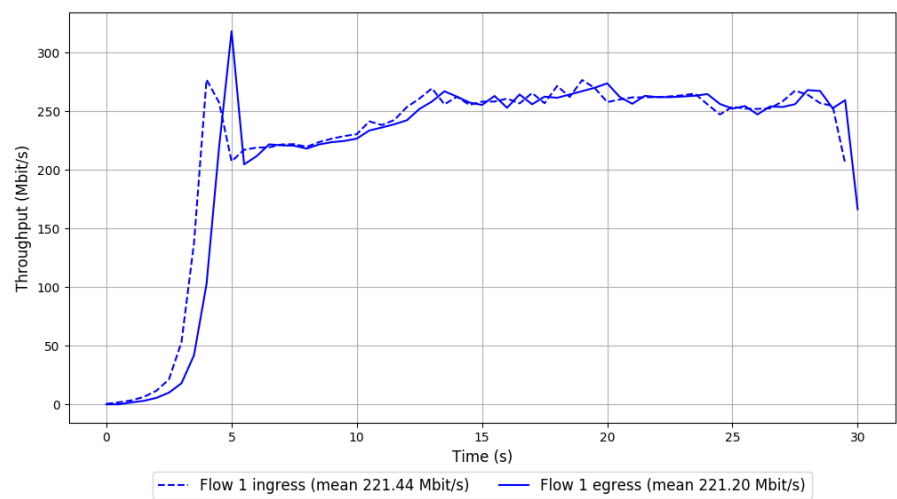


Run 2: Statistics of PCC-Vivace

Start at: 2018-08-22 11:27:48
End at: 2018-08-22 11:28:18
Local clock offset: 1.619 ms
Remote clock offset: -31.174 ms

Below is generated by plot.py at 2018-08-22 15:56:51
Datalink statistics
-- Total of 1 flow:
Average throughput: 221.20 Mbit/s
95th percentile per-packet one-way delay: 128.584 ms
Loss rate: 0.76%
-- Flow 1:
Average throughput: 221.20 Mbit/s
95th percentile per-packet one-way delay: 128.584 ms
Loss rate: 0.76%

Run 2: Report of PCC-Vivace — Data Link

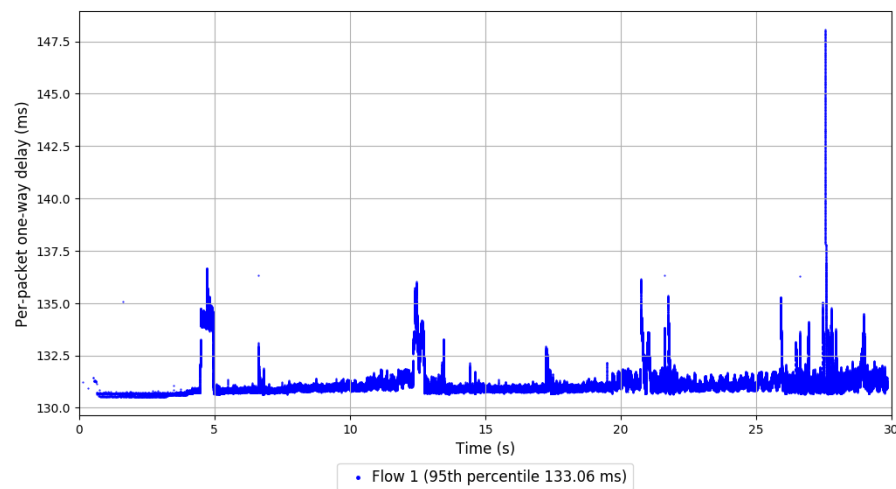
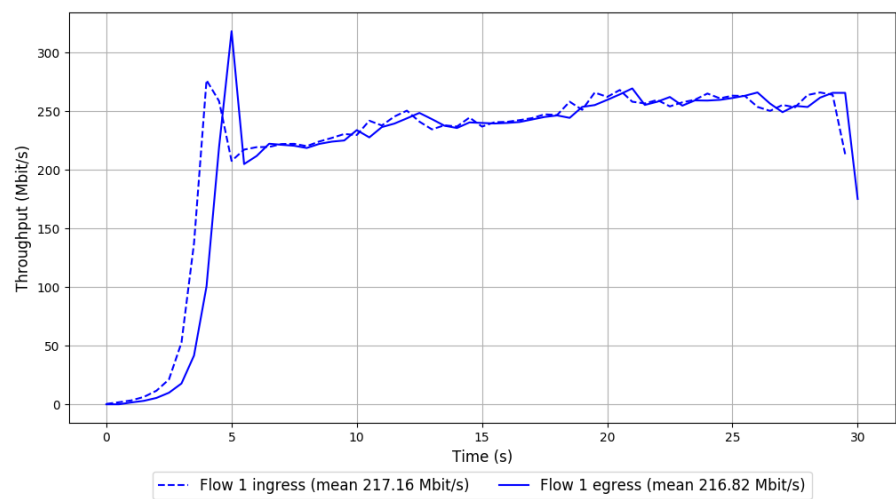


Run 3: Statistics of PCC-Vivace

Start at: 2018-08-22 11:49:39
End at: 2018-08-22 11:50:09
Local clock offset: -1.403 ms
Remote clock offset: -38.328 ms

Below is generated by plot.py at 2018-08-22 15:56:51
Datalink statistics
-- Total of 1 flow:
Average throughput: 216.82 Mbit/s
95th percentile per-packet one-way delay: 133.058 ms
Loss rate: 0.81%
-- Flow 1:
Average throughput: 216.82 Mbit/s
95th percentile per-packet one-way delay: 133.058 ms
Loss rate: 0.81%

Run 3: Report of PCC-Vivace — Data Link

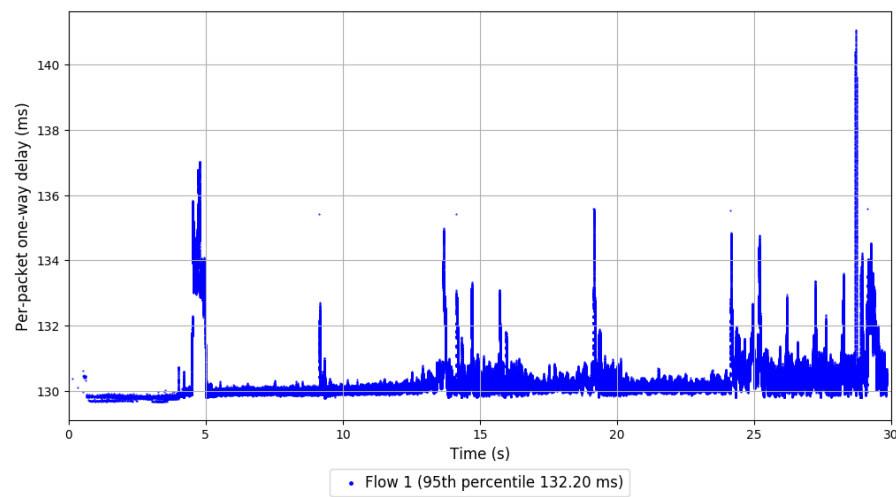
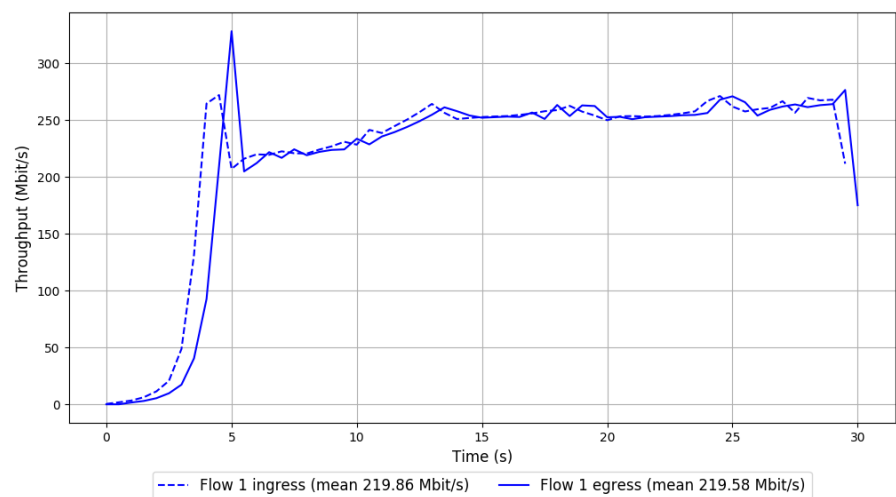


Run 4: Statistics of PCC-Vivace

Start at: 2018-08-22 12:17:07
End at: 2018-08-22 12:17:37
Local clock offset: 1.62 ms
Remote clock offset: -33.891 ms

Below is generated by plot.py at 2018-08-22 15:57:12
Datalink statistics
-- Total of 1 flow:
Average throughput: 219.58 Mbit/s
95th percentile per-packet one-way delay: 132.196 ms
Loss rate: 0.78%
-- Flow 1:
Average throughput: 219.58 Mbit/s
95th percentile per-packet one-way delay: 132.196 ms
Loss rate: 0.78%

Run 4: Report of PCC-Vivace — Data Link

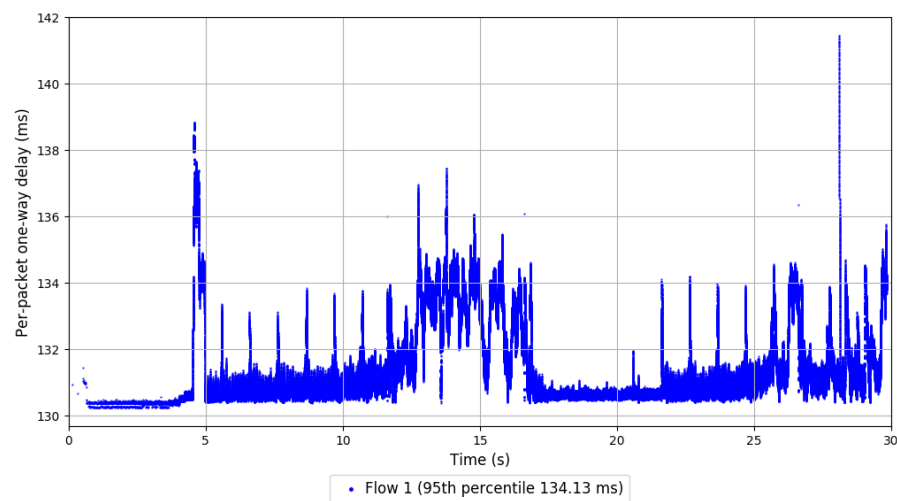
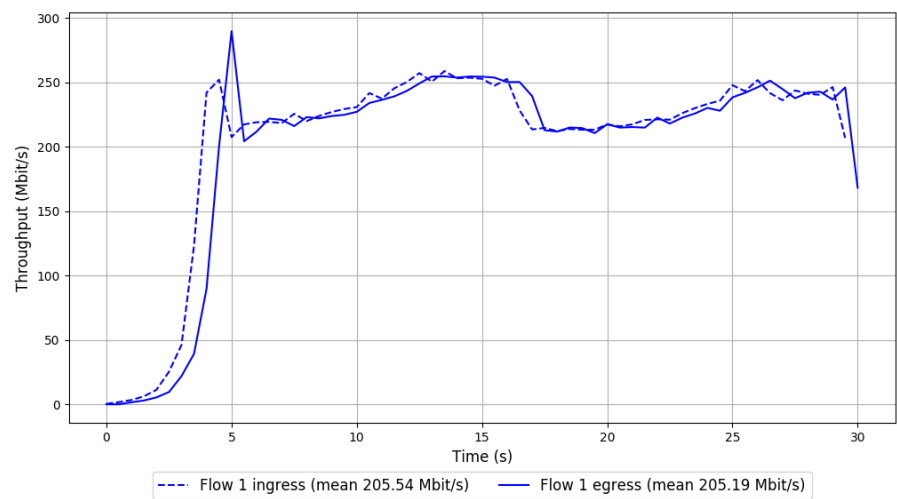


Run 5: Statistics of PCC-Vivace

Start at: 2018-08-22 12:44:46
End at: 2018-08-22 12:45:16
Local clock offset: -1.587 ms
Remote clock offset: -37.741 ms

Below is generated by plot.py at 2018-08-22 15:57:12
Datalink statistics
-- Total of 1 flow:
Average throughput: 205.19 Mbit/s
95th percentile per-packet one-way delay: 134.130 ms
Loss rate: 0.84%
-- Flow 1:
Average throughput: 205.19 Mbit/s
95th percentile per-packet one-way delay: 134.130 ms
Loss rate: 0.84%

Run 5: Report of PCC-Vivace — Data Link

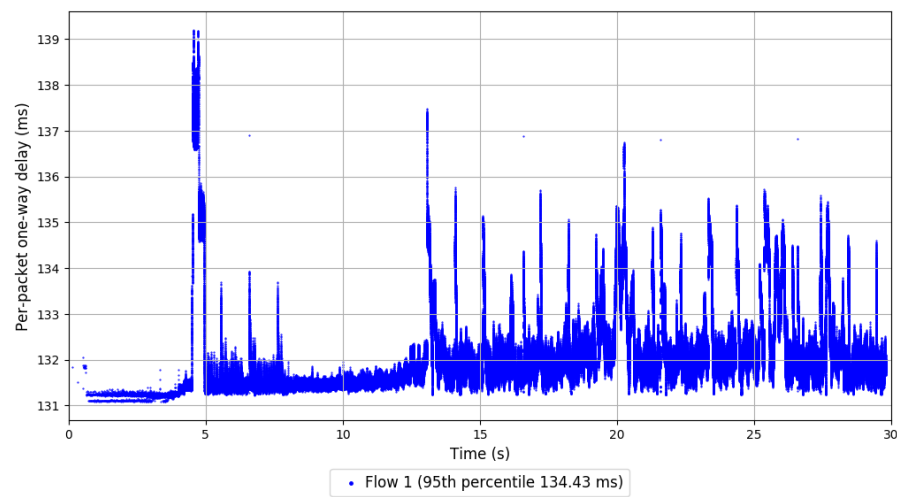
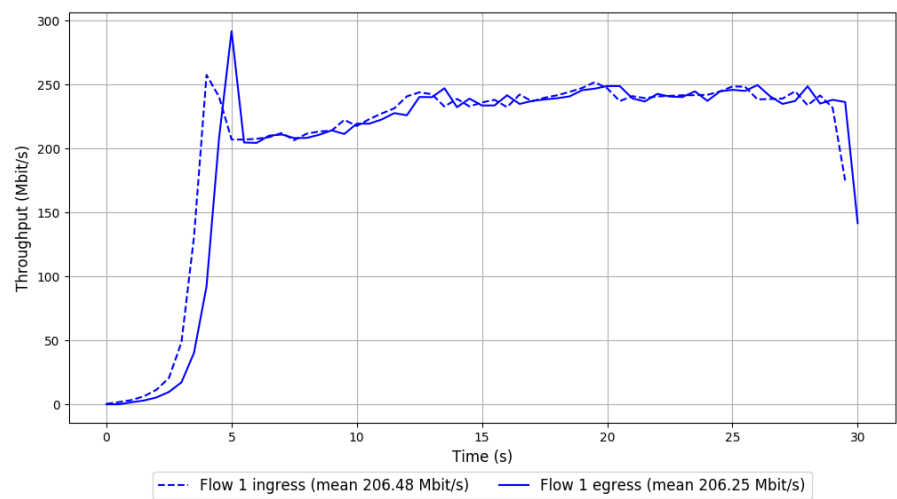


Run 6: Statistics of PCC-Vivace

Start at: 2018-08-22 13:06:27
End at: 2018-08-22 13:06:57
Local clock offset: 2.2 ms
Remote clock offset: -34.994 ms

Below is generated by plot.py at 2018-08-22 15:57:19
Datalink statistics
-- Total of 1 flow:
Average throughput: 206.25 Mbit/s
95th percentile per-packet one-way delay: 134.430 ms
Loss rate: 0.77%
-- Flow 1:
Average throughput: 206.25 Mbit/s
95th percentile per-packet one-way delay: 134.430 ms
Loss rate: 0.77%

Run 6: Report of PCC-Vivace — Data Link

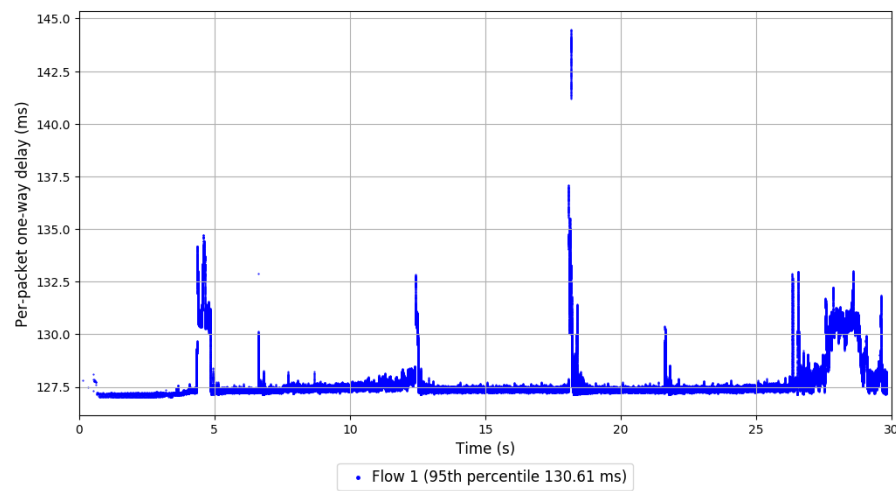
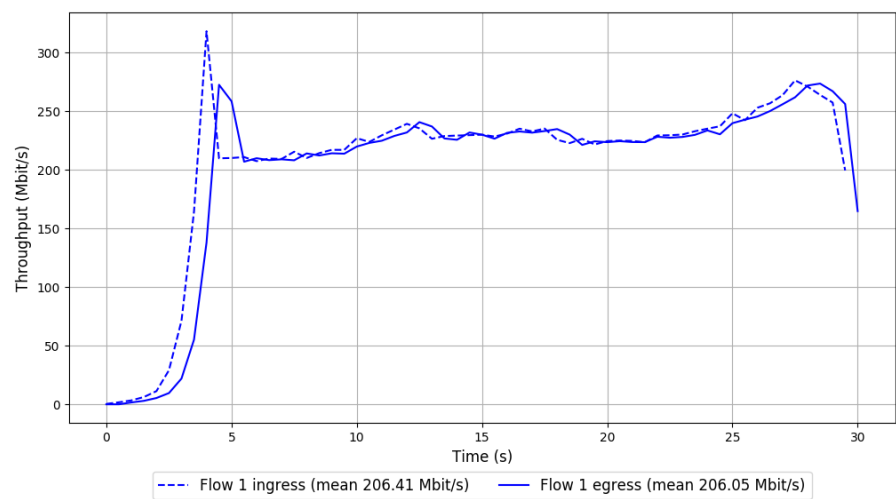


Run 7: Statistics of PCC-Vivace

Start at: 2018-08-22 13:33:57
End at: 2018-08-22 13:34:27
Local clock offset: -0.381 ms
Remote clock offset: -34.065 ms

Below is generated by plot.py at 2018-08-22 15:57:21
Datalink statistics
-- Total of 1 flow:
Average throughput: 206.05 Mbit/s
95th percentile per-packet one-way delay: 130.611 ms
Loss rate: 0.83%
-- Flow 1:
Average throughput: 206.05 Mbit/s
95th percentile per-packet one-way delay: 130.611 ms
Loss rate: 0.83%

Run 7: Report of PCC-Vivace — Data Link



Run 8: Statistics of PCC-Vivace

Start at: 2018-08-22 14:01:33

End at: 2018-08-22 14:02:03

Local clock offset: 0.691 ms

Remote clock offset: -35.62 ms

Below is generated by plot.py at 2018-08-22 15:57:25

Datalink statistics

-- Total of 1 flow:

Average throughput: 209.98 Mbit/s

95th percentile per-packet one-way delay: 131.440 ms

Loss rate: 0.82%

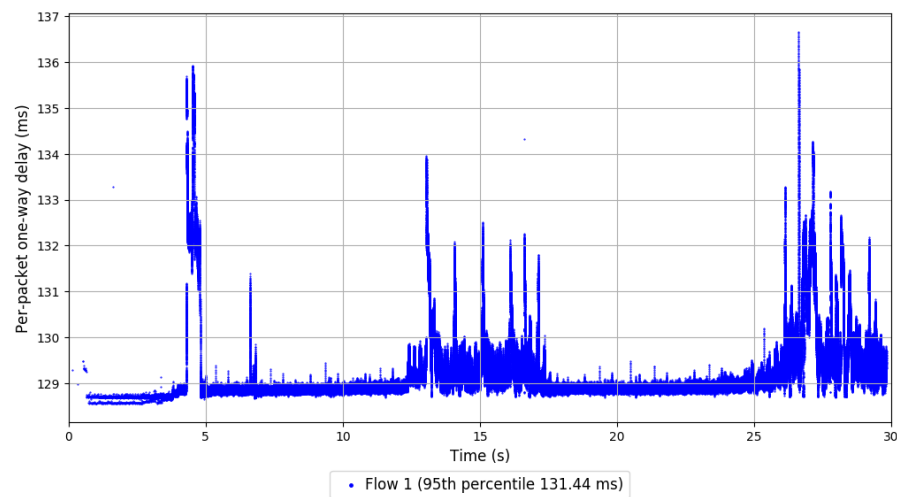
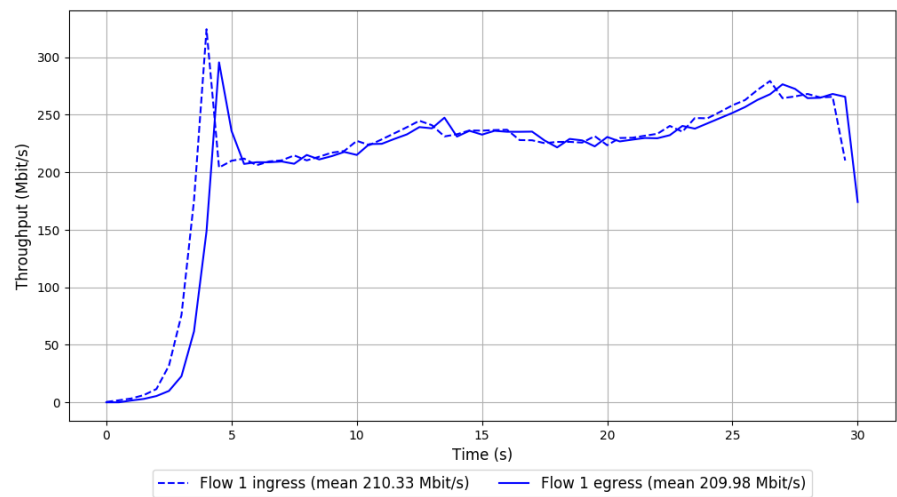
-- Flow 1:

Average throughput: 209.98 Mbit/s

95th percentile per-packet one-way delay: 131.440 ms

Loss rate: 0.82%

Run 8: Report of PCC-Vivace — Data Link

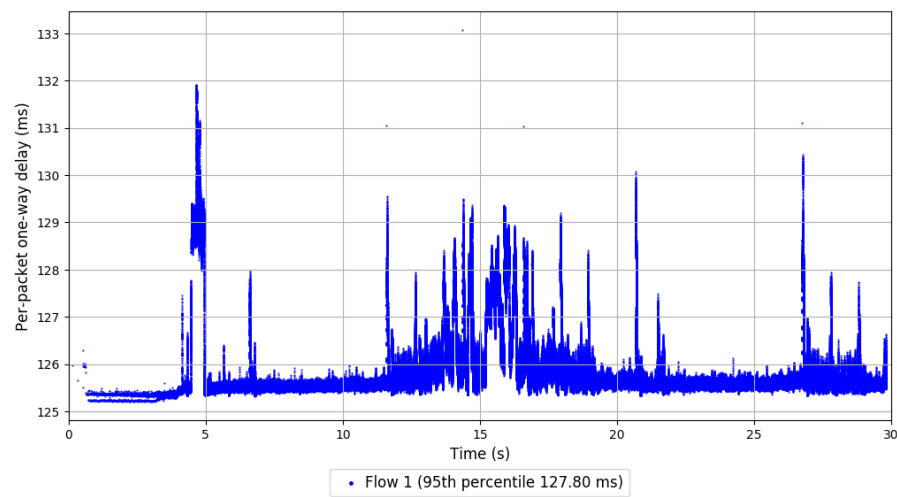
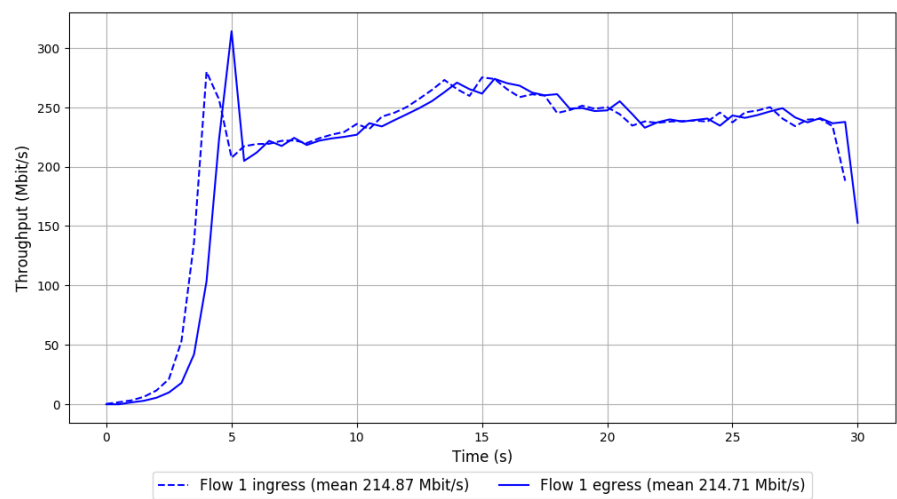


Run 9: Statistics of PCC-Vivace

Start at: 2018-08-22 14:29:08
End at: 2018-08-22 14:29:38
Local clock offset: -3.894 ms
Remote clock offset: -36.908 ms

Below is generated by plot.py at 2018-08-22 15:57:43
Datalink statistics
-- Total of 1 flow:
Average throughput: 214.71 Mbit/s
95th percentile per-packet one-way delay: 127.801 ms
Loss rate: 0.73%
-- Flow 1:
Average throughput: 214.71 Mbit/s
95th percentile per-packet one-way delay: 127.801 ms
Loss rate: 0.73%

Run 9: Report of PCC-Vivace — Data Link

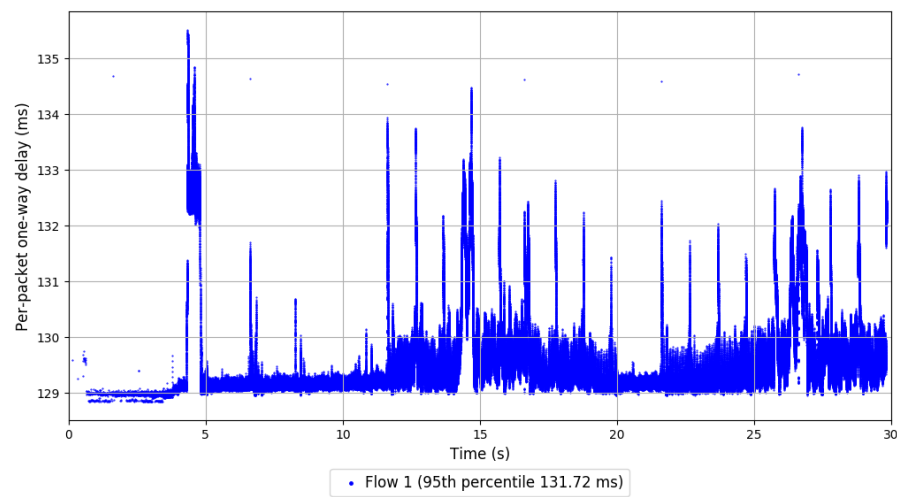
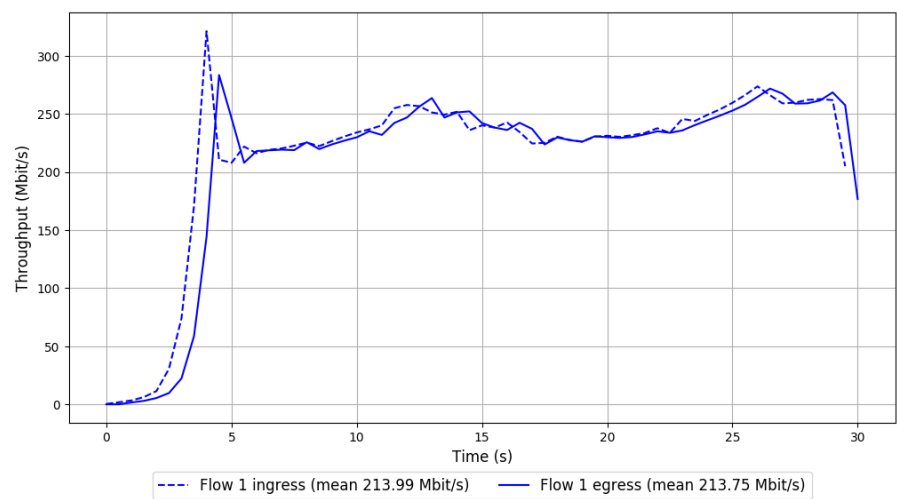


Run 10: Statistics of PCC-Vivace

Start at: 2018-08-22 14:56:32
End at: 2018-08-22 14:57:02
Local clock offset: -0.863 ms
Remote clock offset: -38.83 ms

Below is generated by plot.py at 2018-08-22 15:57:44
Datalink statistics
-- Total of 1 flow:
Average throughput: 213.75 Mbit/s
95th percentile per-packet one-way delay: 131.717 ms
Loss rate: 0.76%
-- Flow 1:
Average throughput: 213.75 Mbit/s
95th percentile per-packet one-way delay: 131.717 ms
Loss rate: 0.76%

Run 10: Report of PCC-Vivace — Data Link

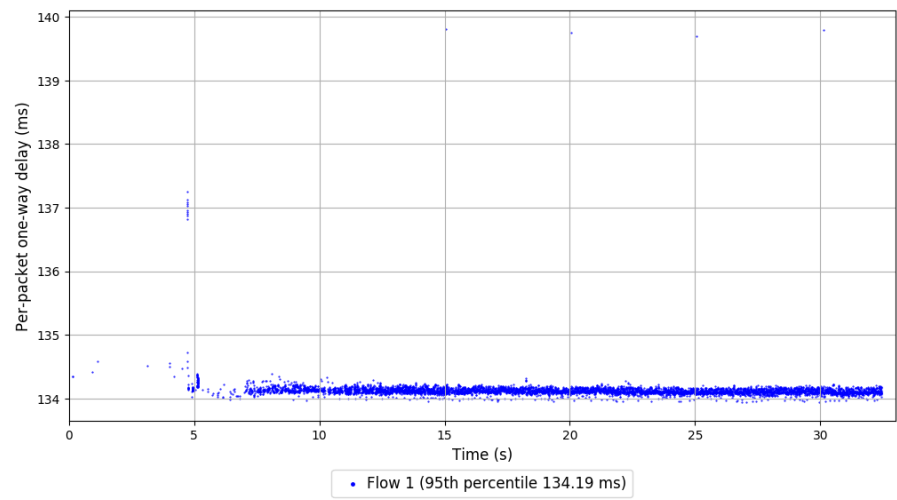
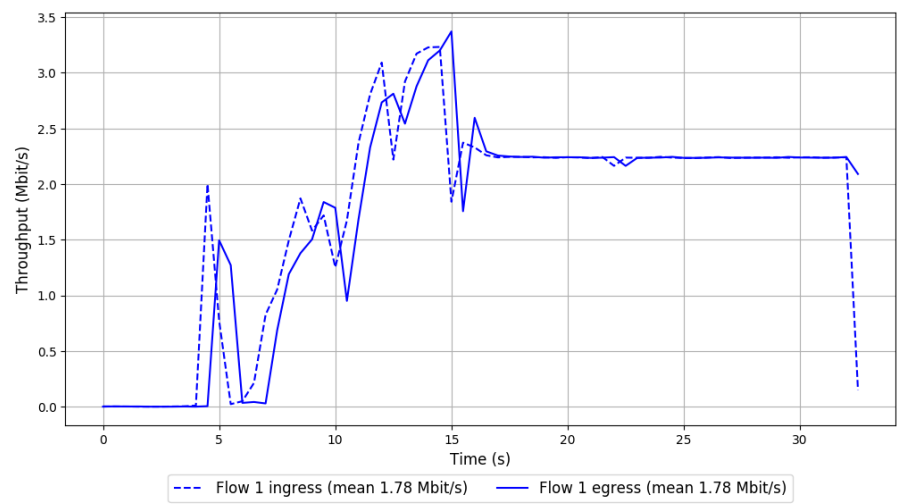


Run 1: Statistics of WebRTC media

Start at: 2018-08-22 11:11:12
End at: 2018-08-22 11:11:42
Local clock offset: 1.22 ms
Remote clock offset: -38.141 ms

Below is generated by plot.py at 2018-08-22 15:57:44
Datalink statistics
-- Total of 1 flow:
Average throughput: 1.78 Mbit/s
95th percentile per-packet one-way delay: 134.191 ms
Loss rate: 0.77%
-- Flow 1:
Average throughput: 1.78 Mbit/s
95th percentile per-packet one-way delay: 134.191 ms
Loss rate: 0.77%

Run 1: Report of WebRTC media — Data Link

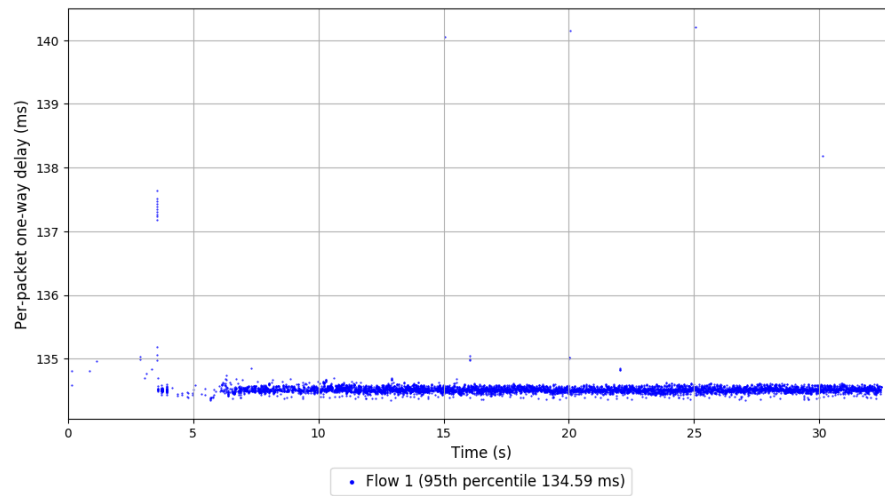
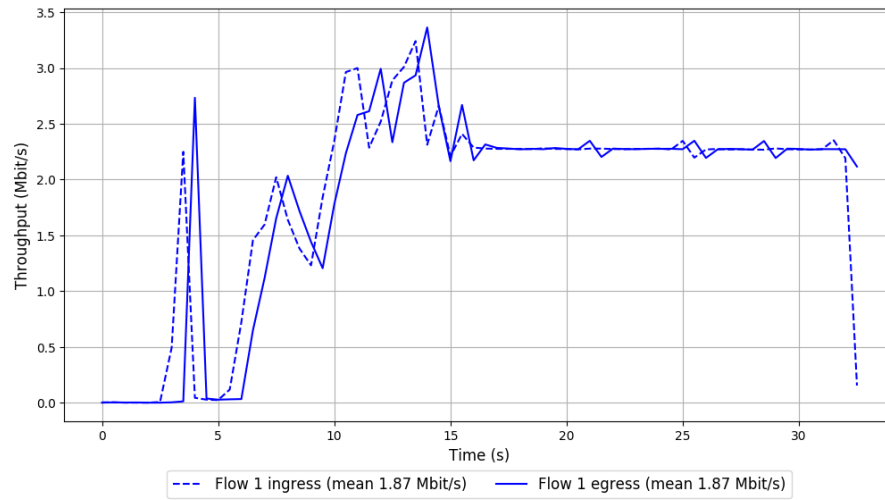


Run 2: Statistics of WebRTC media

Start at: 2018-08-22 11:33:25
End at: 2018-08-22 11:33:55
Local clock offset: 2.588 ms
Remote clock offset: -38.368 ms

Below is generated by plot.py at 2018-08-22 15:57:44
Datalink statistics
-- Total of 1 flow:
Average throughput: 1.87 Mbit/s
95th percentile per-packet one-way delay: 134.585 ms
Loss rate: 0.75%
-- Flow 1:
Average throughput: 1.87 Mbit/s
95th percentile per-packet one-way delay: 134.585 ms
Loss rate: 0.75%

Run 2: Report of WebRTC media — Data Link

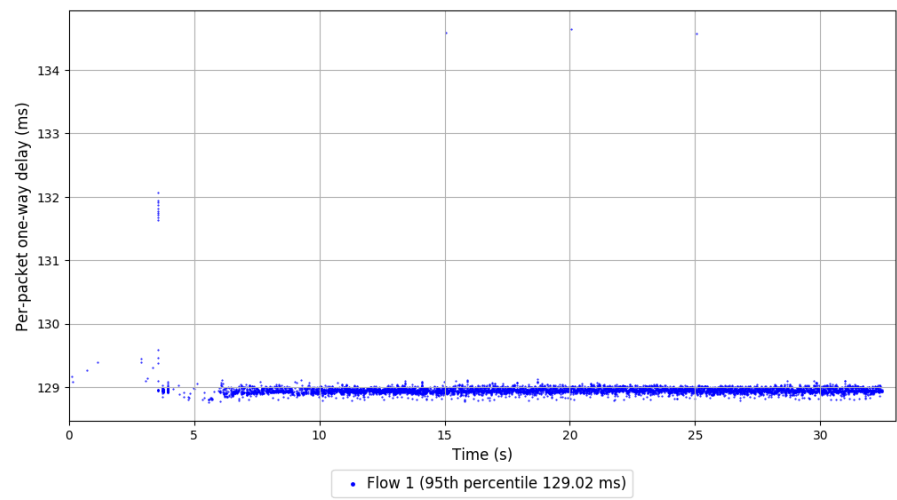
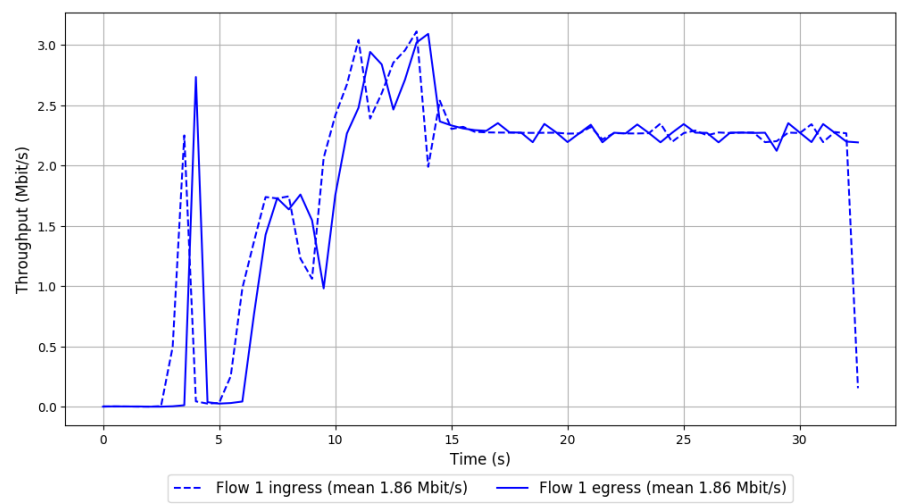


Run 3: Statistics of WebRTC media

Start at: 2018-08-22 12:00:49
End at: 2018-08-22 12:01:19
Local clock offset: 2.032 ms
Remote clock offset: -33.169 ms

Below is generated by plot.py at 2018-08-22 15:57:44
Datalink statistics
-- Total of 1 flow:
Average throughput: 1.86 Mbit/s
95th percentile per-packet one-way delay: 129.016 ms
Loss rate: 0.69%
-- Flow 1:
Average throughput: 1.86 Mbit/s
95th percentile per-packet one-way delay: 129.016 ms
Loss rate: 0.69%

Run 3: Report of WebRTC media — Data Link

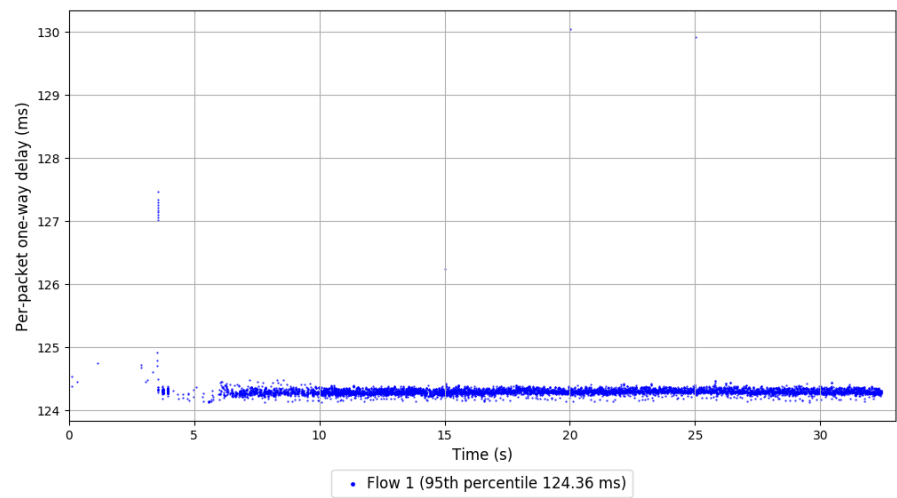
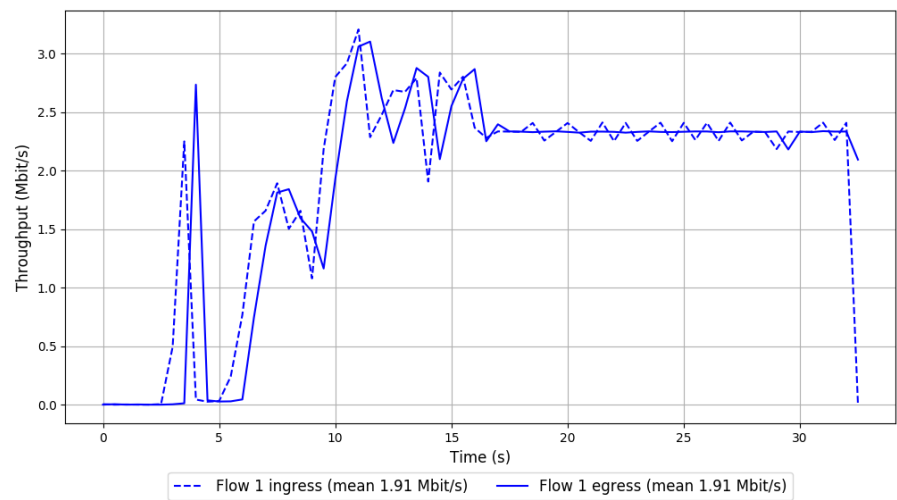


Run 4: Statistics of WebRTC media

Start at: 2018-08-22 12:22:46
End at: 2018-08-22 12:23:16
Local clock offset: -1.723 ms
Remote clock offset: -32.91 ms

Below is generated by plot.py at 2018-08-22 15:57:44
Datalink statistics
-- Total of 1 flow:
Average throughput: 1.91 Mbit/s
95th percentile per-packet one-way delay: 124.365 ms
Loss rate: 0.69%
-- Flow 1:
Average throughput: 1.91 Mbit/s
95th percentile per-packet one-way delay: 124.365 ms
Loss rate: 0.69%

Run 4: Report of WebRTC media — Data Link

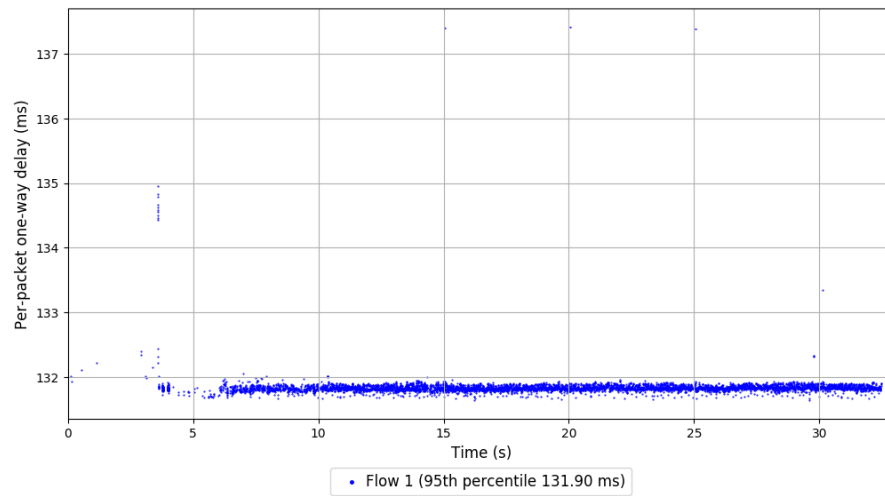
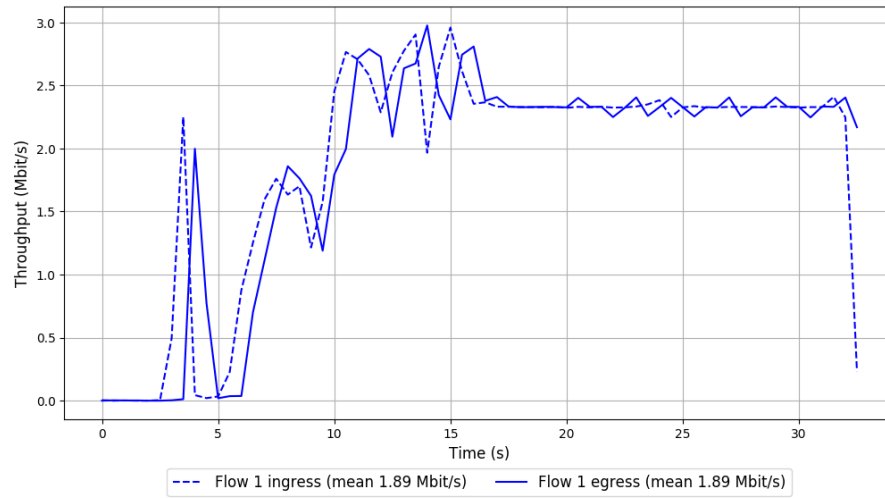


Run 5: Statistics of WebRTC media

Start at: 2018-08-22 12:50:18
End at: 2018-08-22 12:50:48
Local clock offset: 1.139 ms
Remote clock offset: -37.368 ms

Below is generated by plot.py at 2018-08-22 15:57:44
Datalink statistics
-- Total of 1 flow:
Average throughput: 1.89 Mbit/s
95th percentile per-packet one-way delay: 131.895 ms
Loss rate: 0.76%
-- Flow 1:
Average throughput: 1.89 Mbit/s
95th percentile per-packet one-way delay: 131.895 ms
Loss rate: 0.76%

Run 5: Report of WebRTC media — Data Link

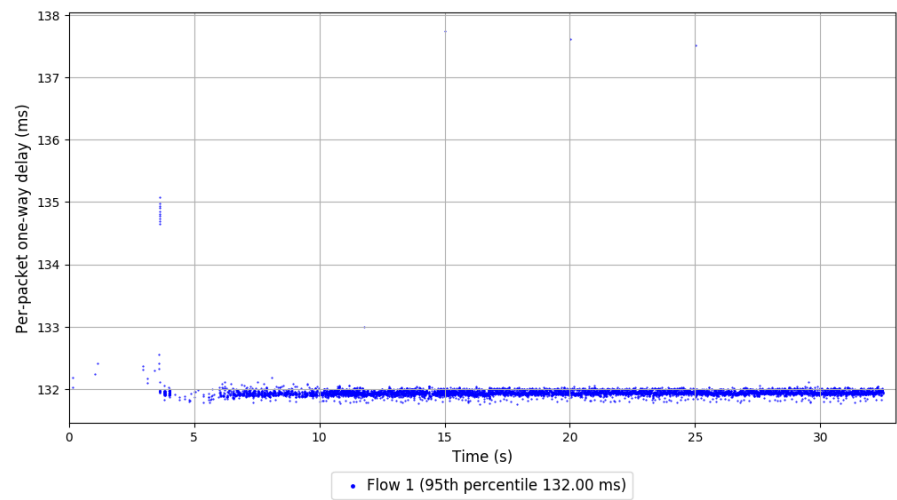
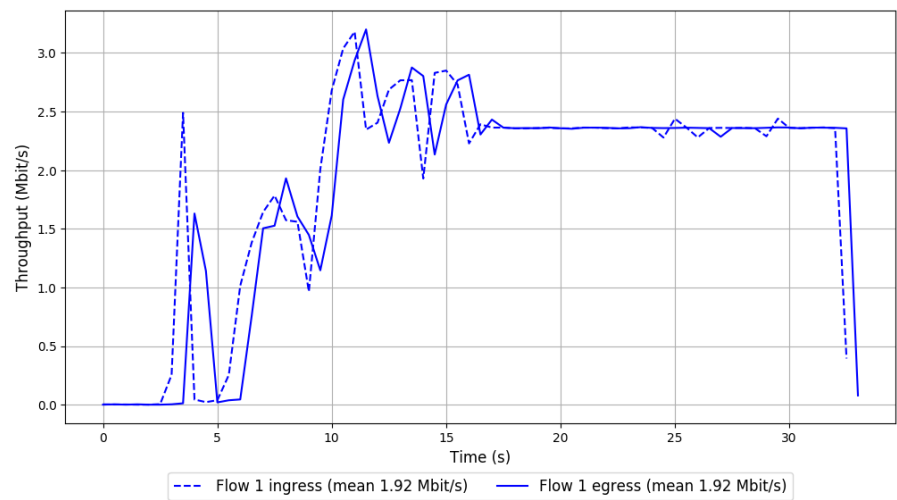


Run 6: Statistics of WebRTC media

Start at: 2018-08-22 13:17:34
End at: 2018-08-22 13:18:04
Local clock offset: 0.501 ms
Remote clock offset: -38.625 ms

Below is generated by plot.py at 2018-08-22 15:57:44
Datalink statistics
-- Total of 1 flow:
Average throughput: 1.92 Mbit/s
95th percentile per-packet one-way delay: 132.004 ms
Loss rate: 0.76%
-- Flow 1:
Average throughput: 1.92 Mbit/s
95th percentile per-packet one-way delay: 132.004 ms
Loss rate: 0.76%

Run 6: Report of WebRTC media — Data Link

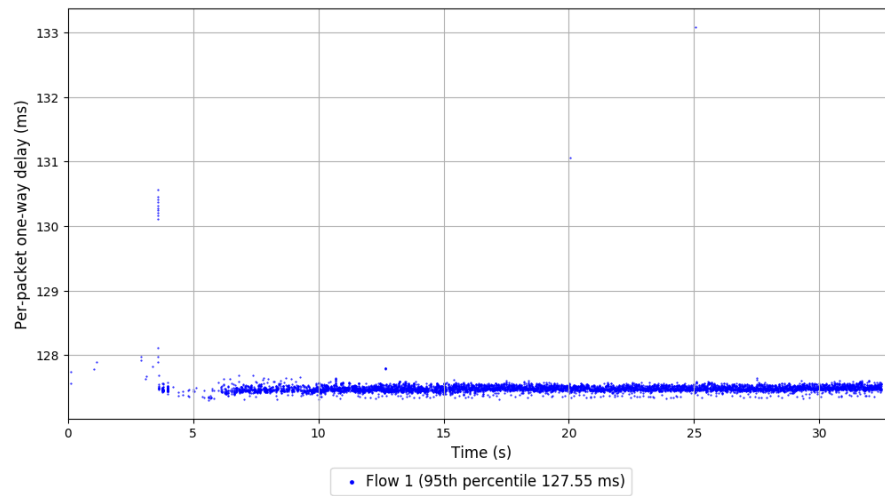
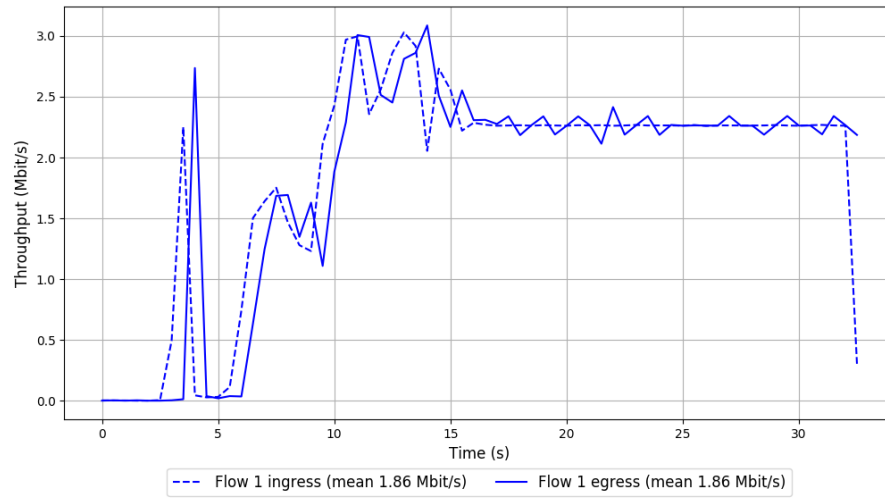


Run 7: Statistics of WebRTC media

Start at: 2018-08-22 13:45:19
End at: 2018-08-22 13:45:49
Local clock offset: -1.76 ms
Remote clock offset: -36.814 ms

Below is generated by plot.py at 2018-08-22 15:57:44
Datalink statistics
-- Total of 1 flow:
Average throughput: 1.86 Mbit/s
95th percentile per-packet one-way delay: 127.553 ms
Loss rate: 0.75%
-- Flow 1:
Average throughput: 1.86 Mbit/s
95th percentile per-packet one-way delay: 127.553 ms
Loss rate: 0.75%

Run 7: Report of WebRTC media — Data Link

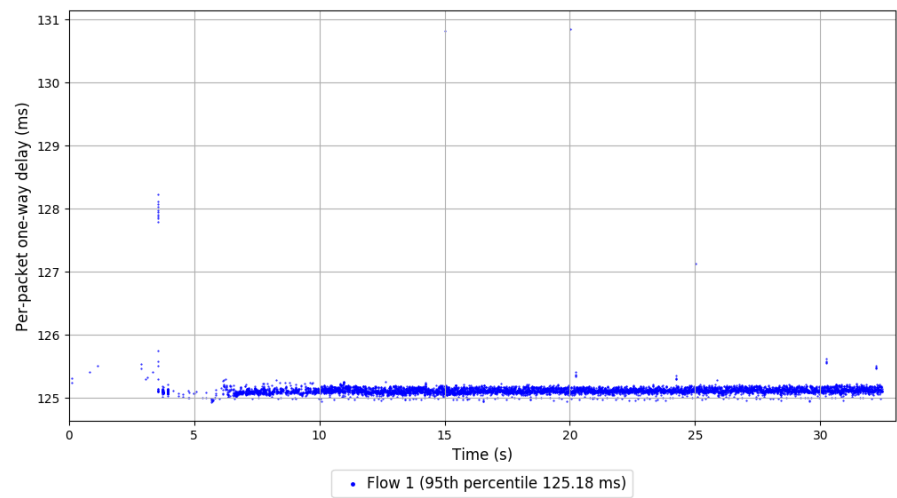
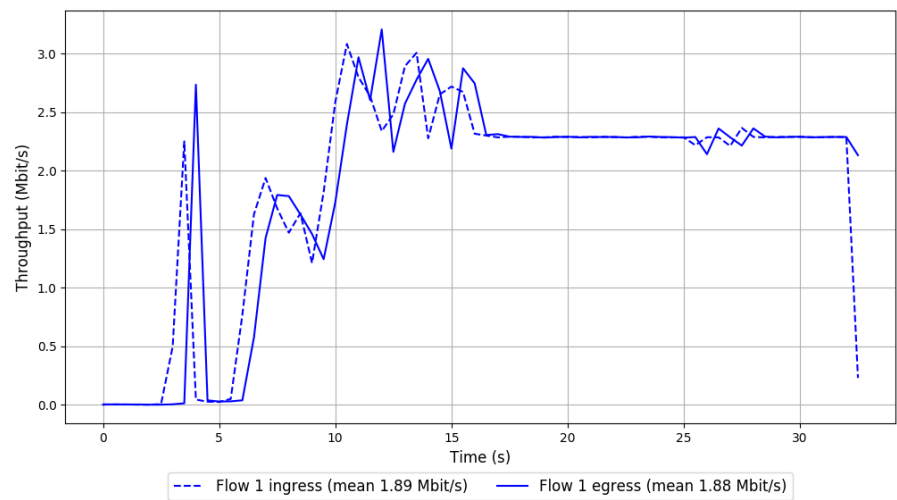


Run 8: Statistics of WebRTC media

Start at: 2018-08-22 14:07:11
End at: 2018-08-22 14:07:41
Local clock offset: -3.479 ms
Remote clock offset: -35.087 ms

Below is generated by plot.py at 2018-08-22 15:57:44
Datalink statistics
-- Total of 1 flow:
Average throughput: 1.88 Mbit/s
95th percentile per-packet one-way delay: 125.182 ms
Loss rate: 0.75%
-- Flow 1:
Average throughput: 1.88 Mbit/s
95th percentile per-packet one-way delay: 125.182 ms
Loss rate: 0.75%

Run 8: Report of WebRTC media — Data Link

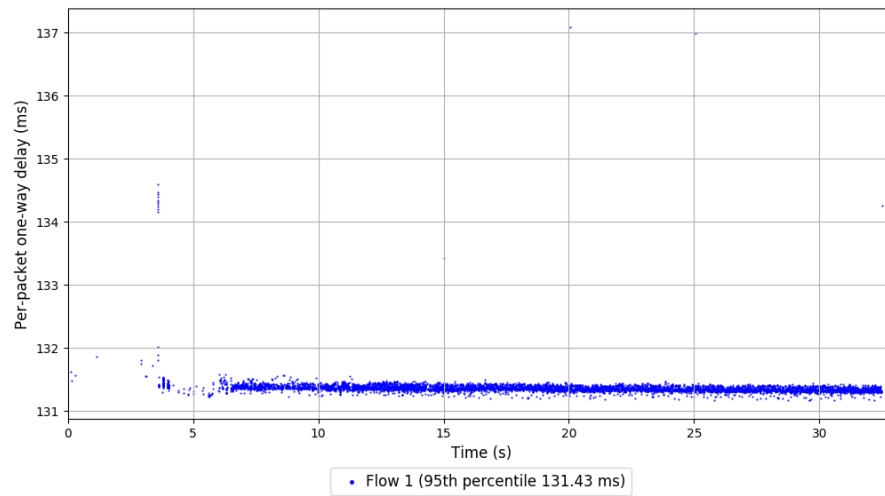
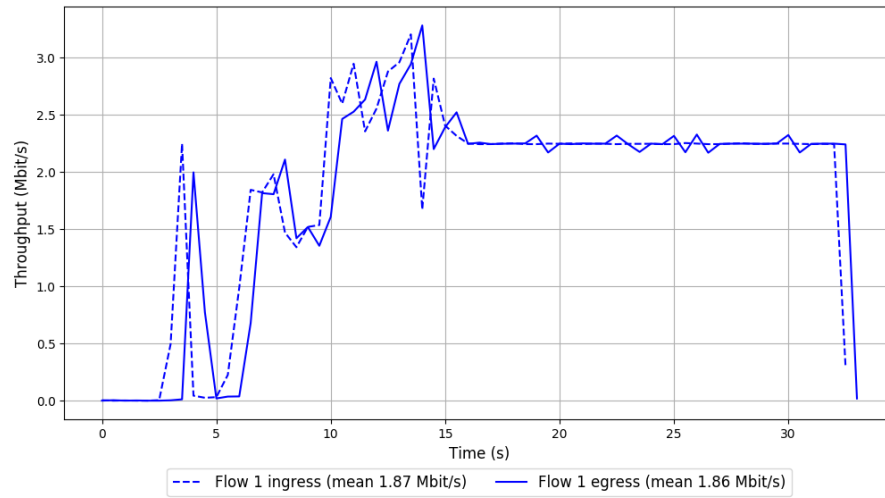


Run 9: Statistics of WebRTC media

Start at: 2018-08-22 14:40:18
End at: 2018-08-22 14:40:48
Local clock offset: -3.588 ms
Remote clock offset: -42.362 ms

Below is generated by plot.py at 2018-08-22 15:57:44
Datalink statistics
-- Total of 1 flow:
Average throughput: 1.86 Mbit/s
95th percentile per-packet one-way delay: 131.430 ms
Loss rate: 0.72%
-- Flow 1:
Average throughput: 1.86 Mbit/s
95th percentile per-packet one-way delay: 131.430 ms
Loss rate: 0.72%

Run 9: Report of WebRTC media — Data Link



Run 10: Statistics of WebRTC media

Start at: 2018-08-22 15:02:07

End at: 2018-08-22 15:02:37

Local clock offset: 1.966 ms

Remote clock offset: -40.922 ms

Below is generated by plot.py at 2018-08-22 15:57:44

Datalink statistics

-- Total of 1 flow:

Average throughput: 1.85 Mbit/s

95th percentile per-packet one-way delay: 133.851 ms

Loss rate: 0.68%

-- Flow 1:

Average throughput: 1.85 Mbit/s

95th percentile per-packet one-way delay: 133.851 ms

Loss rate: 0.68%

Run 10: Report of WebRTC media — Data Link

