Some of the default configurations in my design:
Note: if no -p argument has entered, default is 1.
Note: if no -f argument has entered, default is 10.
Note: if no -c argument has entered, default not creating new channels.
Rest of the argument options are same as required in the handout.

Method used to compare if the 2000 data points are correct:
The method I used is to open the received file again, read it line by line. For each line, request the data with same timestamp from the server again, then compare the reply to see if the received e1 and e2 are the correct.

Timetable with different buffer size and file size

Buffer size & file size	100	100KB	1MB	10MB
100 bytes	398 musecs.	280 musecs.	201 musecs.	229musecs.
256 bytes	446 musecs	169 musecs.	460 musecs.	319 musecs.
1000 bytes	3133 musecs.	455 musecs.	228 musecs.	310 musecs.

Link of demo (audio on please):
Part one: https://youtu.be/IvrSZZG3PrE
Part two: https://youtu.be/RVOu4_8wohI