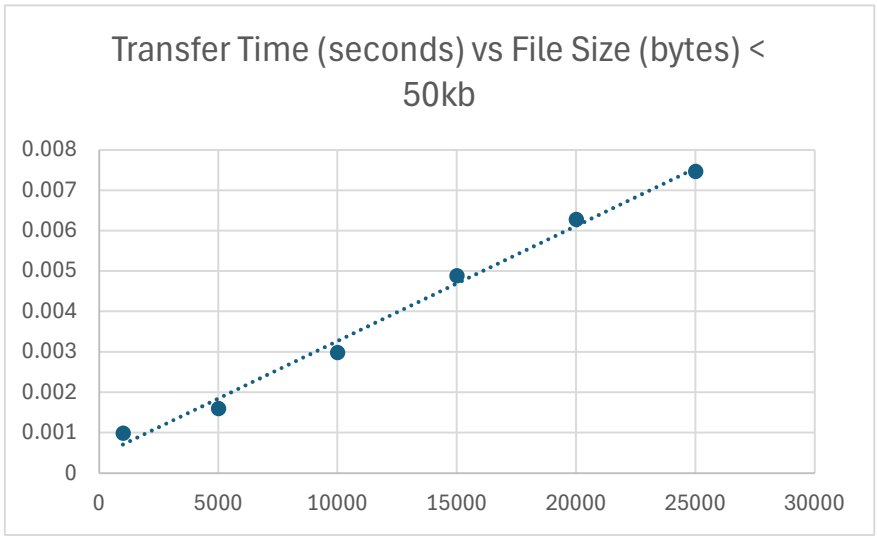
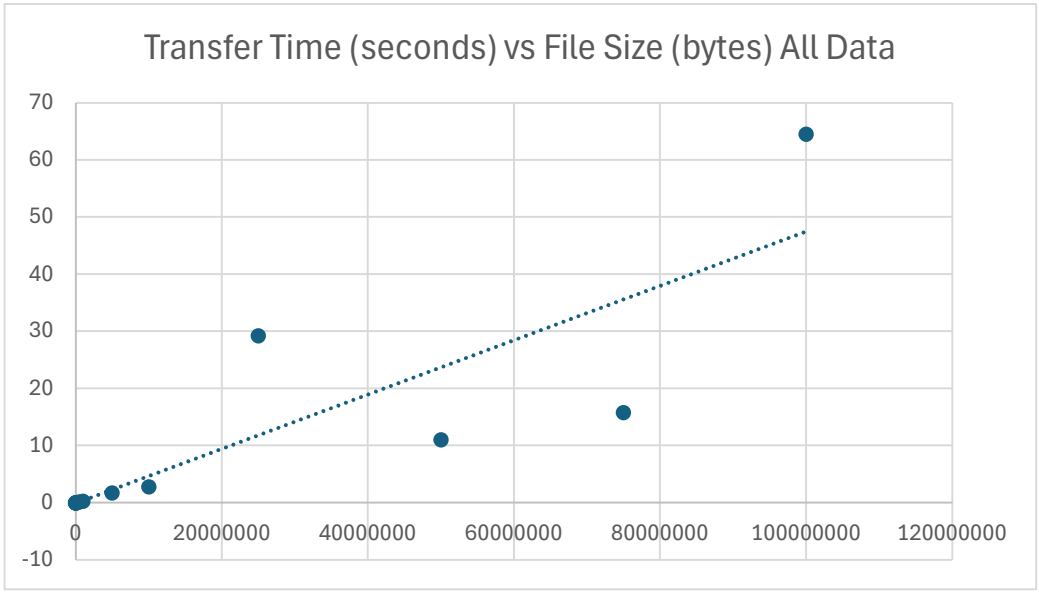
Size(Bytes)	Time(Seconds)
1000	0.000988
5000	0.001598
10000	0.002984
15000	0.004883
20000	0.006274
25000	0.007463
100000	0.038672
500000	0.143721
1000000	0.267674
5000000	1.735577
10000000	2.770982
25000000	29.24151
50000000	11.04973
75000000	15.76377
100000000	64.52202





The trend observed is verry linear for small file sizes, but with larger files and longer transfer times there appears to be a level of randomness to the transfer times. This could be caused by the OS scheduler, available memory at time of execution, or some other factor. I would say that the trend is overall linear though dispite the extreme variation on the higher end. It would make sense for it to be linear as it is just repeatedly taking chunks of the data from the file and writing them to the copy, which doesnt have any additional loops back or anything to increase time. Since the chunks are all the same size for every file and dont scale with filesize it would stay at the same scaling factor for all of them.