this is stupid a s was how long keep recording it for approximately 3 minutes so a third of the input time for this now I'm trying to record for 1500 seconds I think it is good for 300 seconds work is only about 3 pages long and then her user interviews or many many pages long then she has a lot of things in okay but what happened what about this pieces on visualizing Trends on Twitter how long is that this is a thesis on carbon dioxide environment and this is Master scientific knowledge Tuesday including electricity and protein decide was also a solid 989 pictures yeah I'm definitely going to have my thesis be longer than