*Weekly Report of May 10th 2019*

Where the project is as of May 10th:

* The program can calculate the got up and lights out times of a participant provided there is a full sleep diary
* It can scan the sleep analysis file to find protocol determined results
* It plots and measured the error between the protocol determined time and the times determined by the program
* There is a separate program that can calculate got up and lights out times without sleep diaries only using the Raw Data files (way simpler and would recommend going forward with this one)
* Can now perform analysis on any data provided the got up and lights out times have been found (i.e. calculate sleep latency, fragmentation index etc.)

What the plan is next:

* Plot the error between the program that uses only raw data to find sleep points and the previously manually determined sleep points
* Fix bugs in program (issue with getting times on last day)
* Get approval to move forward with only Raw Data program so that we don’t need sleep diaries at all
* Write out protocol for members of lab to follow when using software
* (maybe create GUI although command line will probably be sufficient)