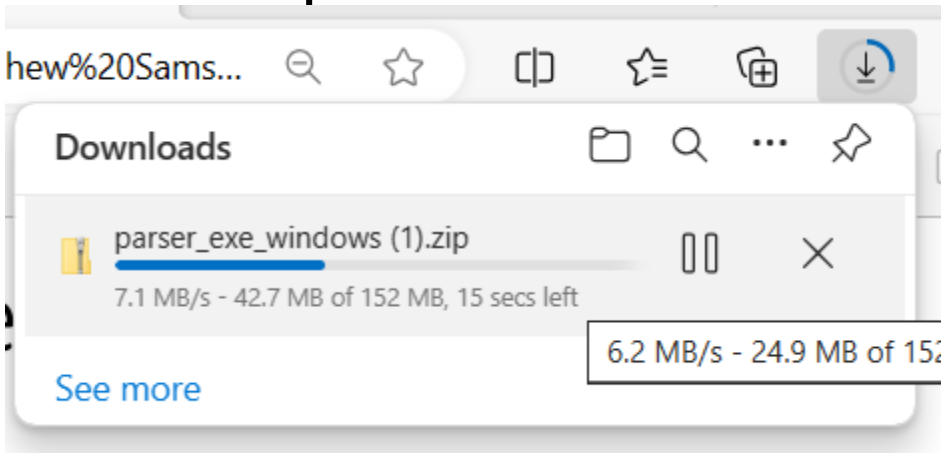
Parser setup and run guide

Download MATLAB

- https://www.mathworks.com/academia/tah-portal/kennesaw-state-university-31081932.html Follow this link
- https://apps.kennesaw.edu/files/pr_app_uni_cdoc/doc/Matlab_DownloadInstructions.pdf or this one too
- If you can't install MATLAB on your own I'm sorry but you may not be built for engineering

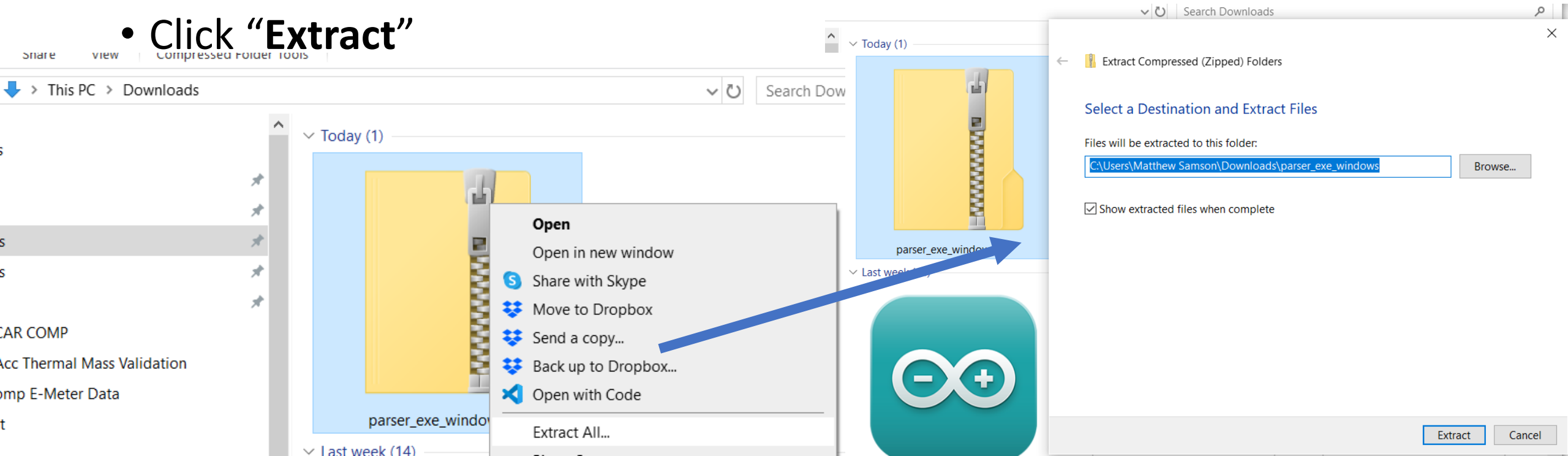
Downloading

- Click this link to download:
  - https://github.com/KSU-MS/KS5e-Data-Logging/releases/latest/download/parser_exe_windows.zip
- Download of a file called “parser_exe_windows.zip” should initiate
- Example of file downloading on my PC:



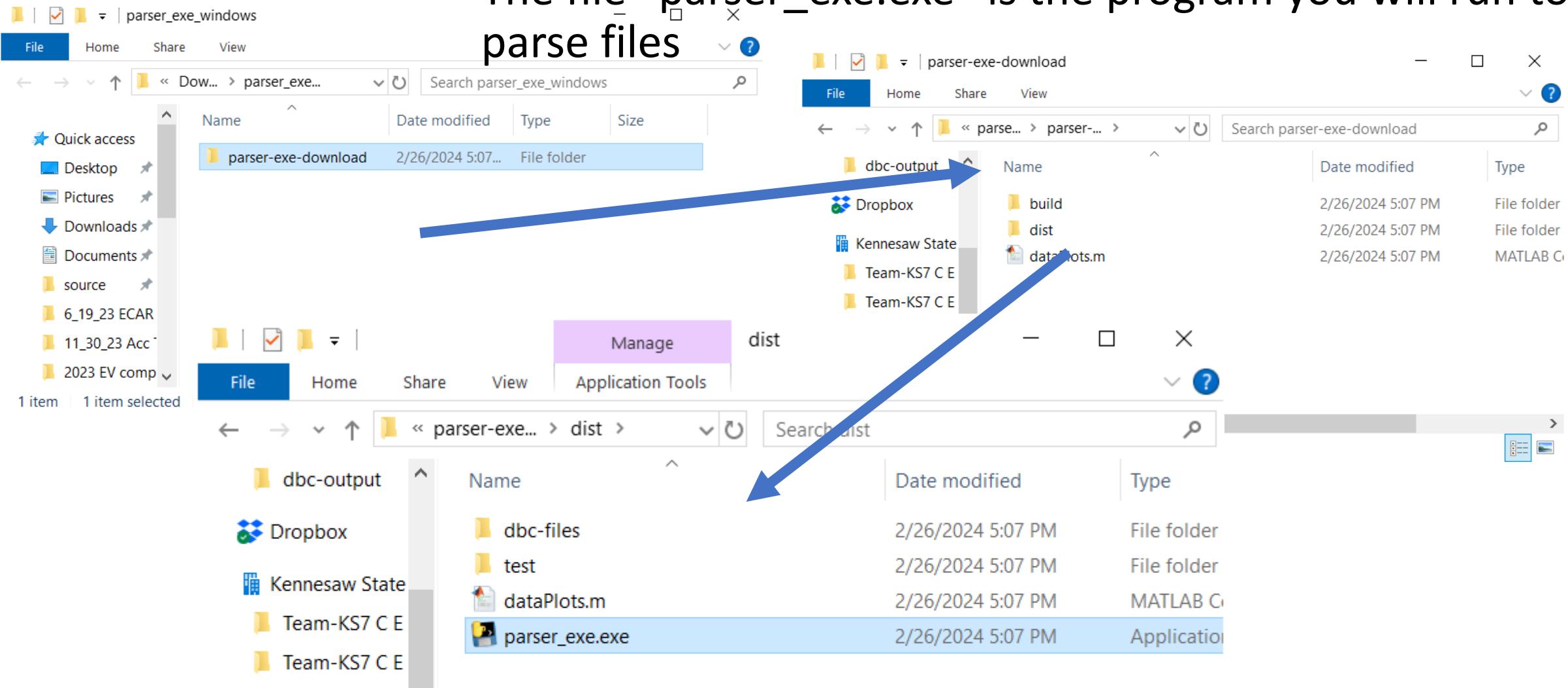
Extracting

- Once the download is complete, go to the place you downloaded it to
- Right click the zip file and click **“Extract All…”**
- Check the box to “**Show extracted files when complete**”
- Click “**Extract**”



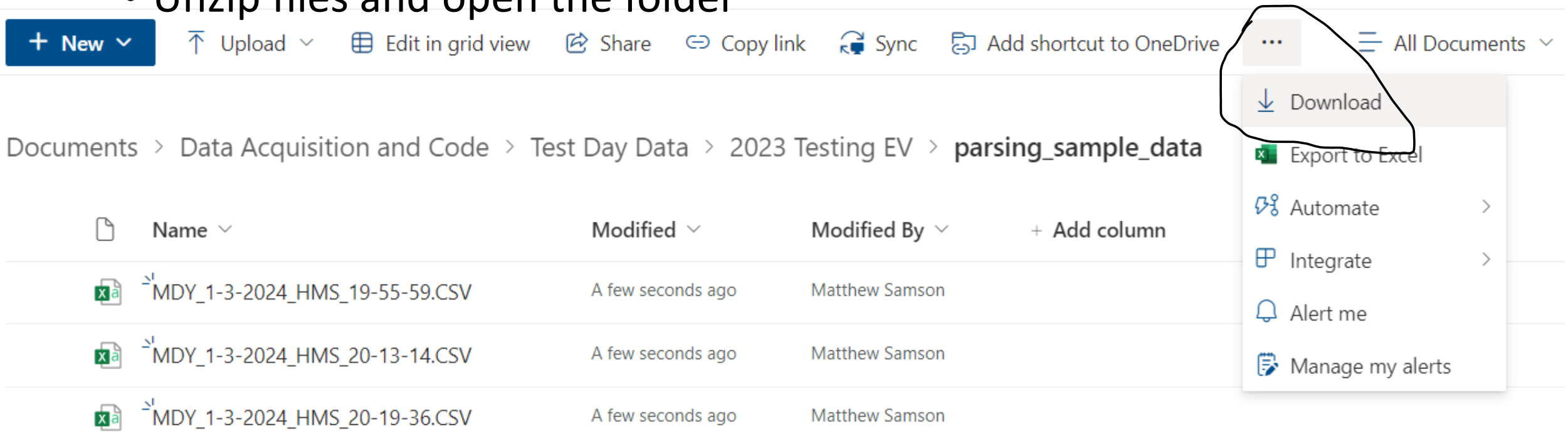
Running

- When extraction is finished, a folder should pop up
- Open “parser-exe-download”, then open “dist”
- The file “parser_exe.exe” is the program you will run to parse files



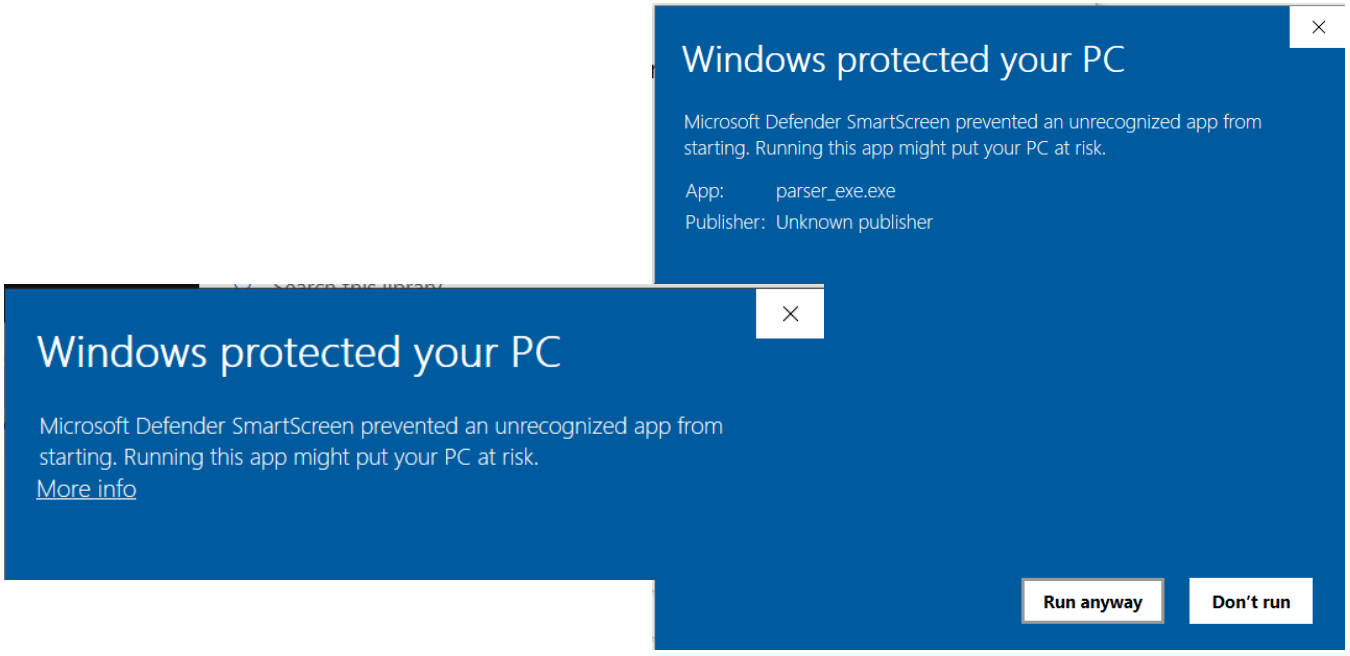
Get data to parse

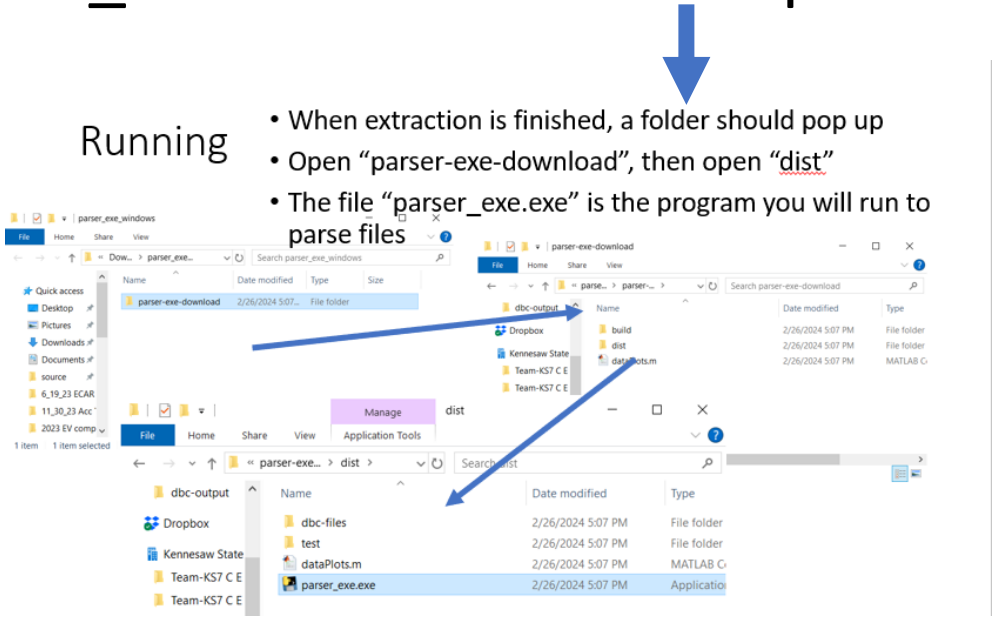
- parsing_sample_data Go to this link
- Click the ellipsis (the …) and click download
- Unzip files and open the folder



Run the parser

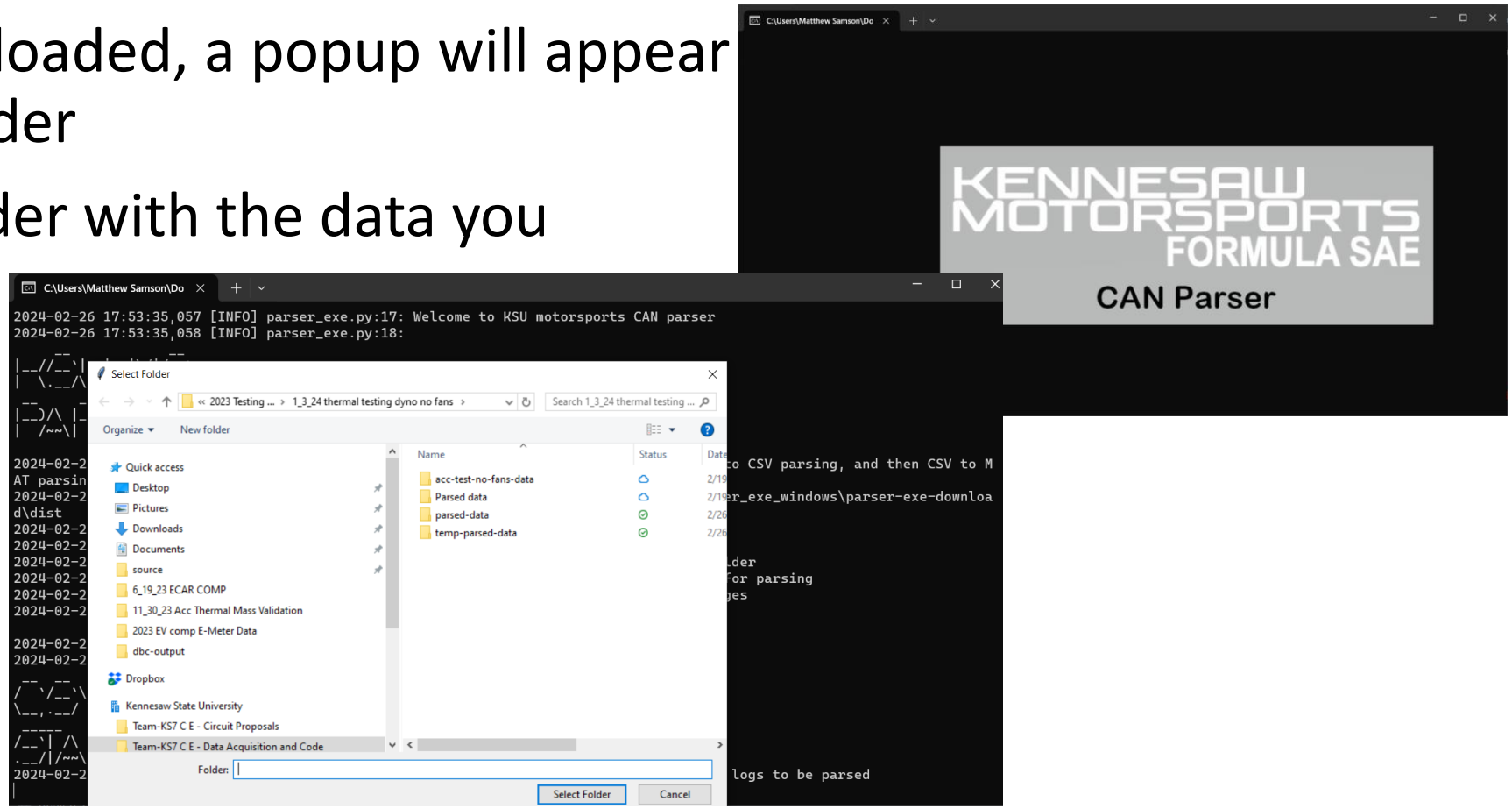
- Go to wherever you downloaded “parser_exe.exe” from this step
- Double click the .exe to run it
- Click “More info” then “Run anyway”





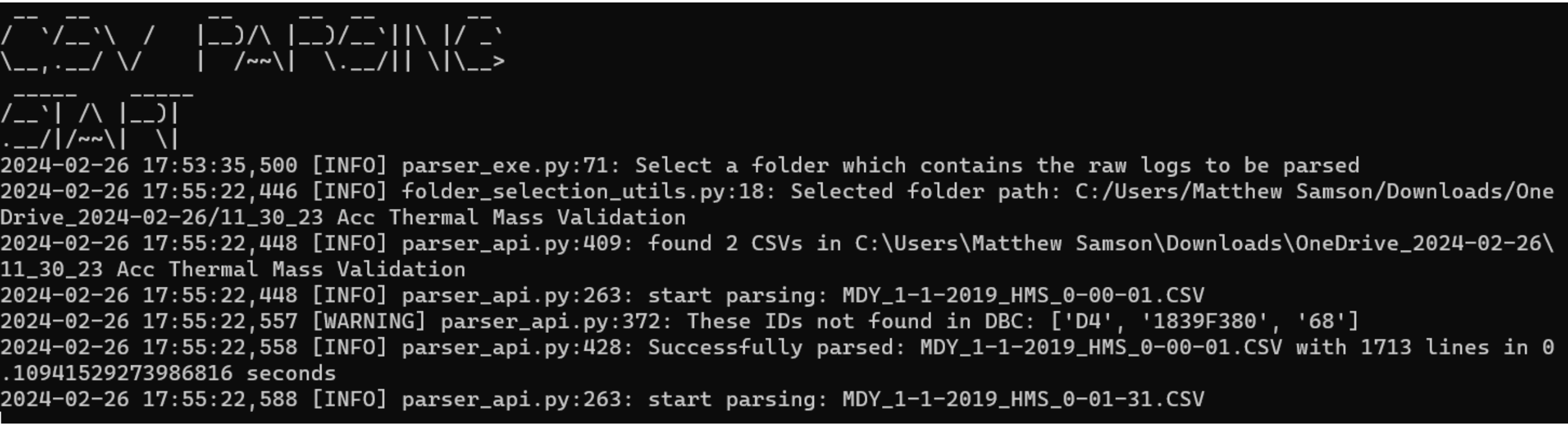
Running the parser

- You should see this splash screen while the parser loads
- Once its fully loaded, a popup will appear to select a folder
- Select the folder with the data you downloaded



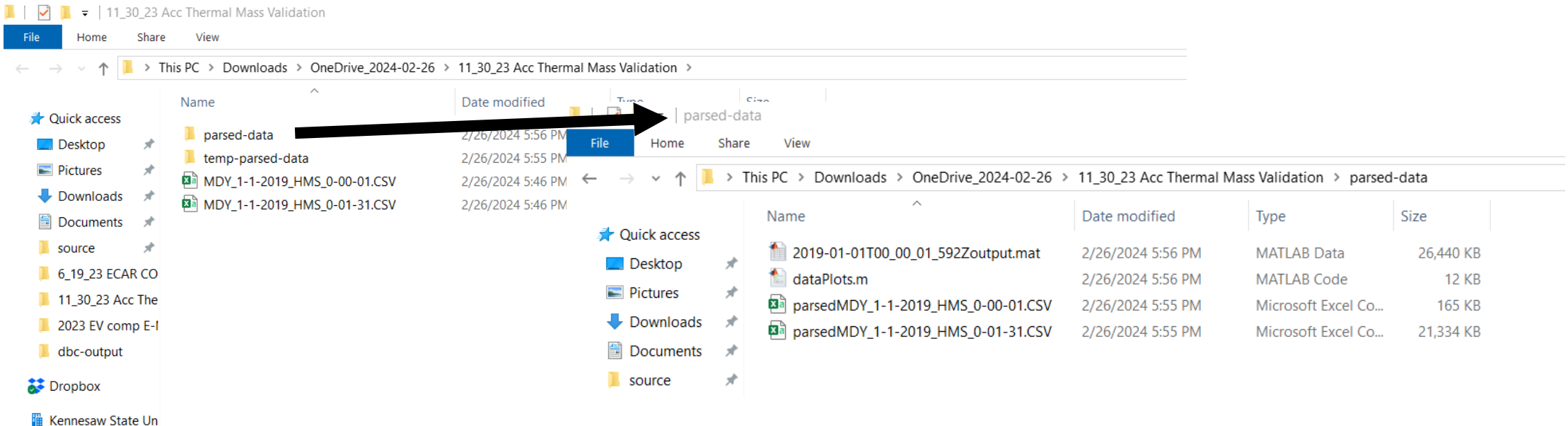
Running the parser

- If you selected a folder correctly, you should see some text that says parsing is happening
- Now just wait for it to finish



Parsing finished

- The program will automatically open the folder with the downloaded data that you selected
- Open the “parsed-data” folder to get the results
- Double click “dataPlots.m” to open the matlab script to plot



Matlab Plotting

- This should be your view in matlab once you open dataPlots.m
- Open the file with “output.mat” in its name, then hit “Run”