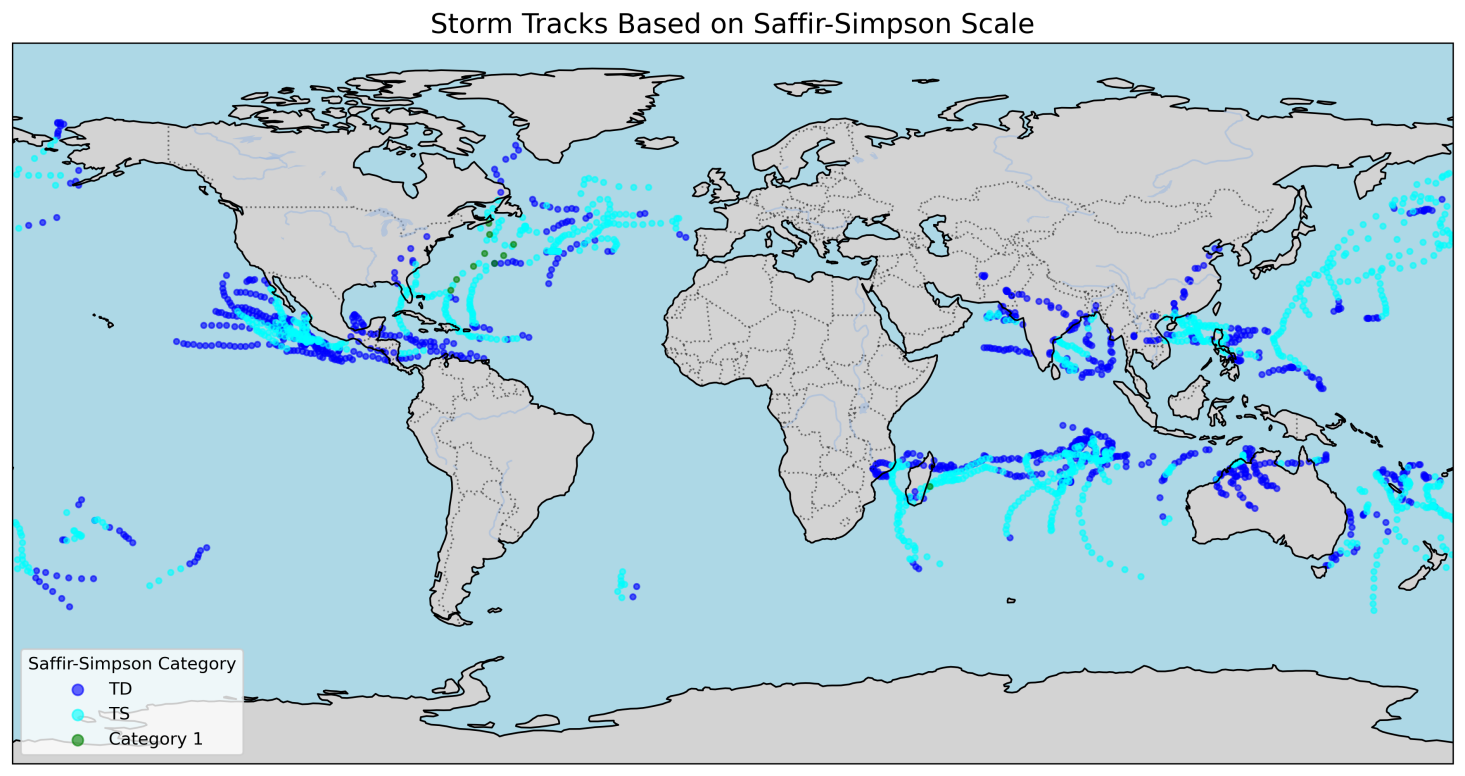
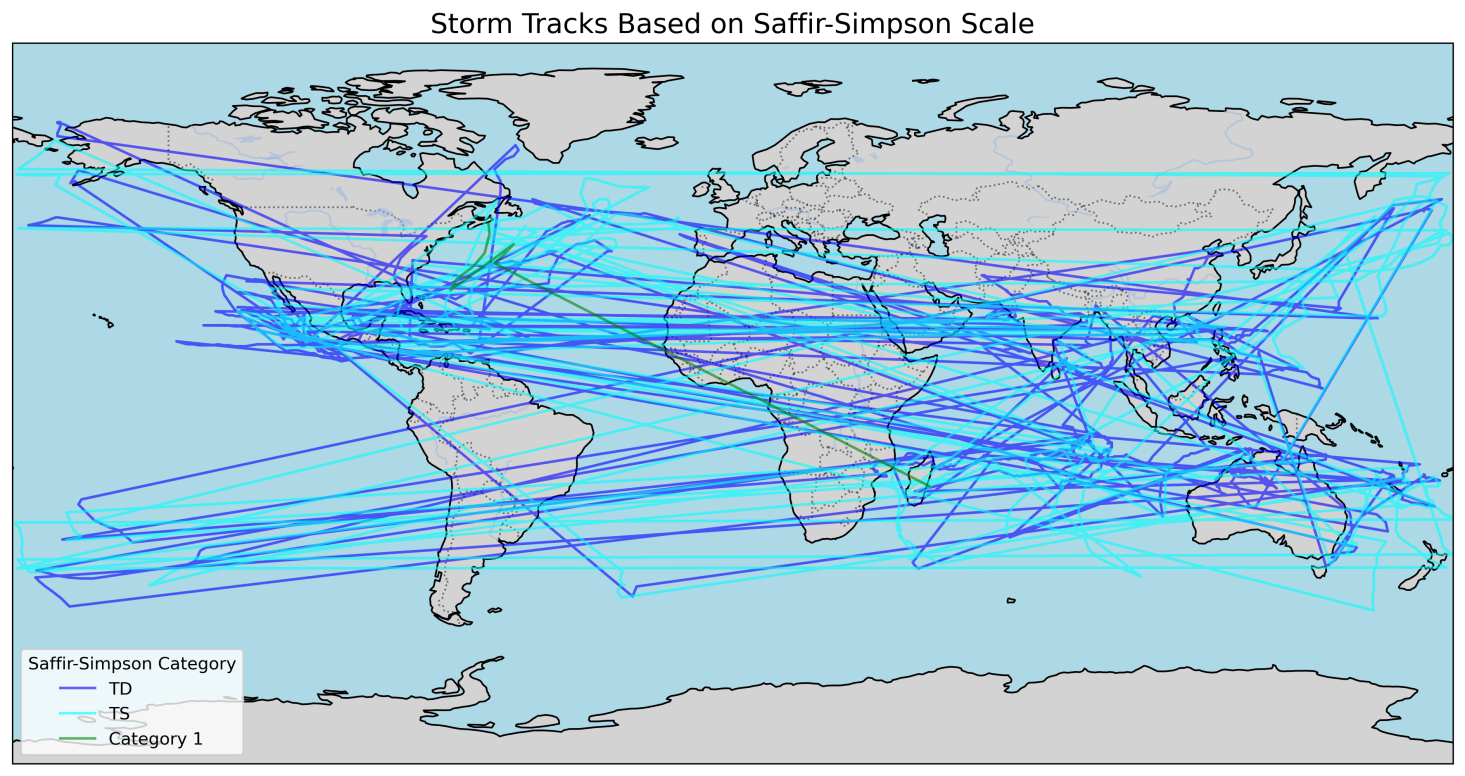
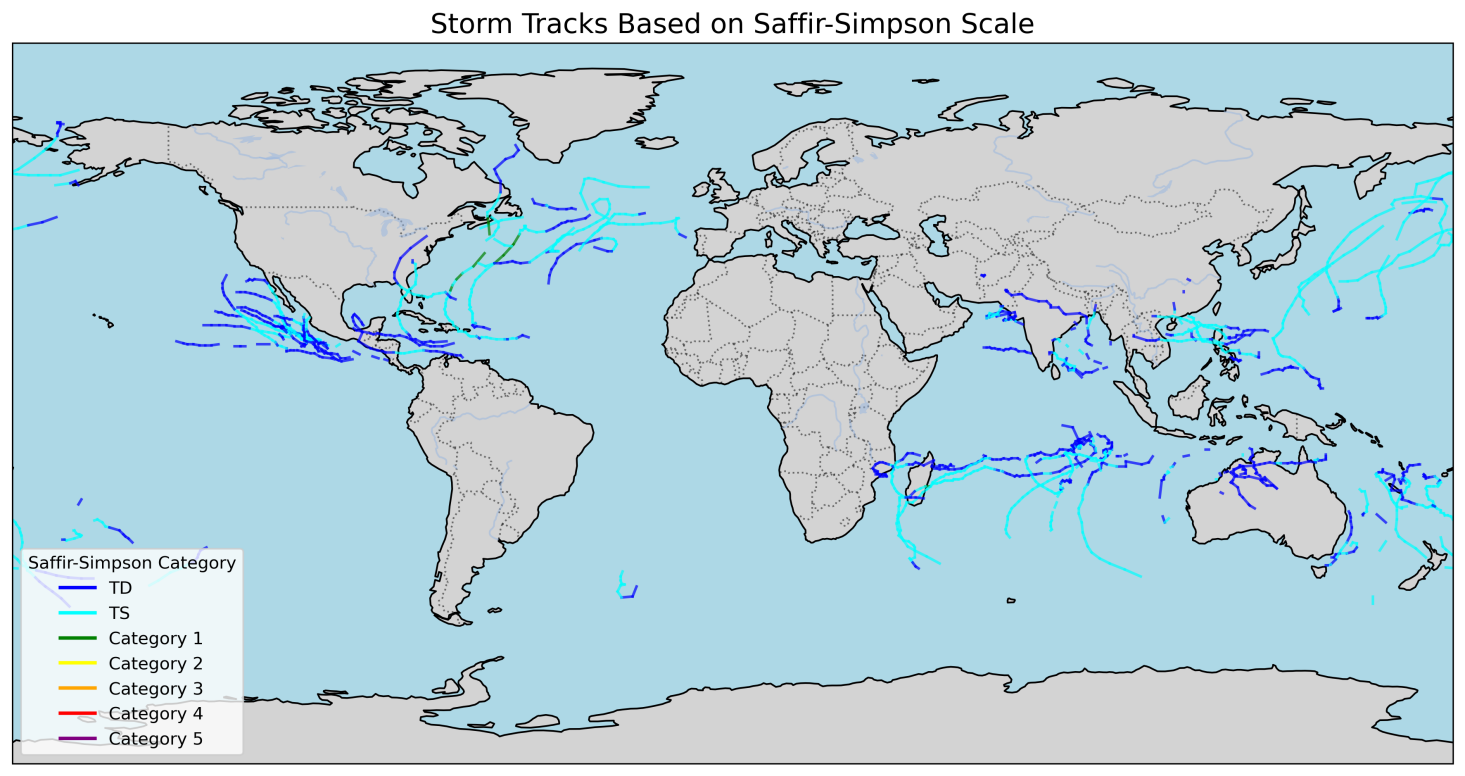
1. Continuous Graph





After run **continuous\_storm\_track.py**, we get below result:



1. Attributes

I delete \_FillValue, long\_name, units, fmissing\_value, standard\_name, vmax, vmin, valid\_range from ERA5\_TE\_ready\_2022\_modified\_v5.nc. Then the new dataset can’t run in the TE model.



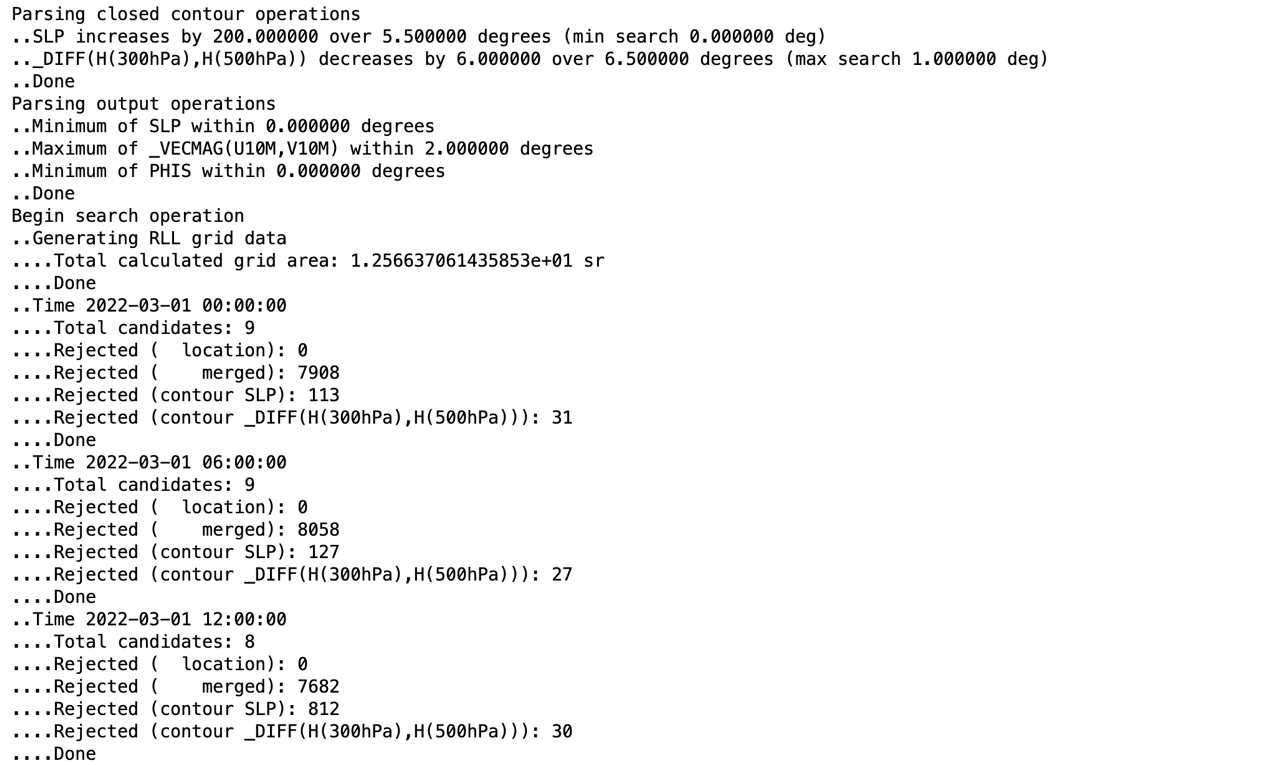
In order to find the more accuracy range, I delete the \_FillValue, longname, units. The updated data can’t run again.

Later, I deleted the \_FillValue, longname, TE model can run correctly again.

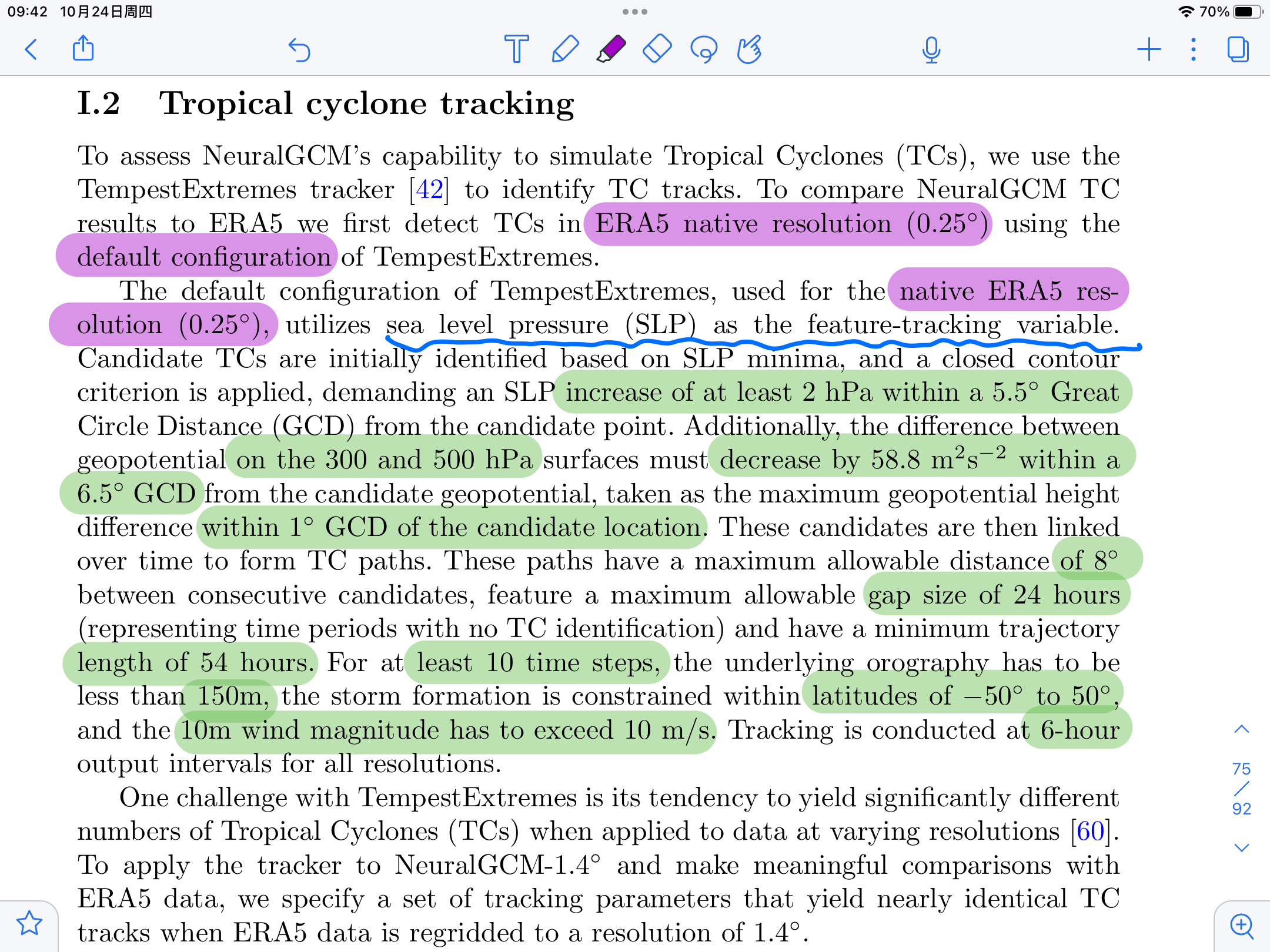
Therefore, I tried to delete only units attribute, TE model can’t run.

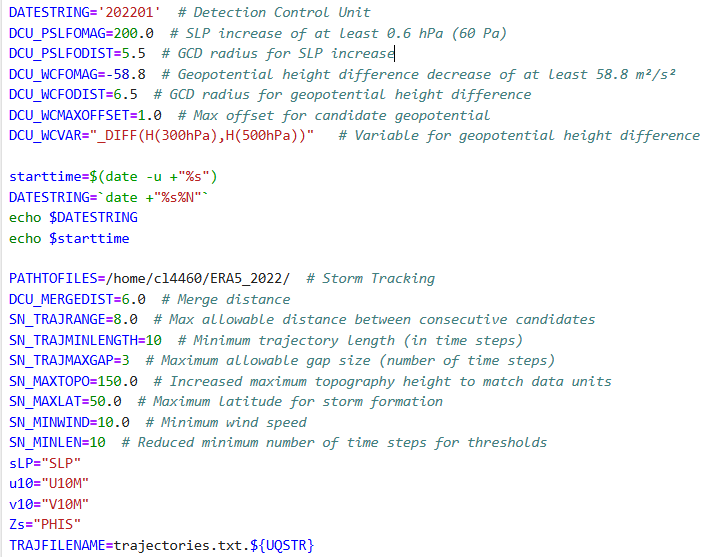
‘Units’ is a key attribute when we run TE model.

Therefore, I change the units of time from seconds to hour, then the original dataset can work!

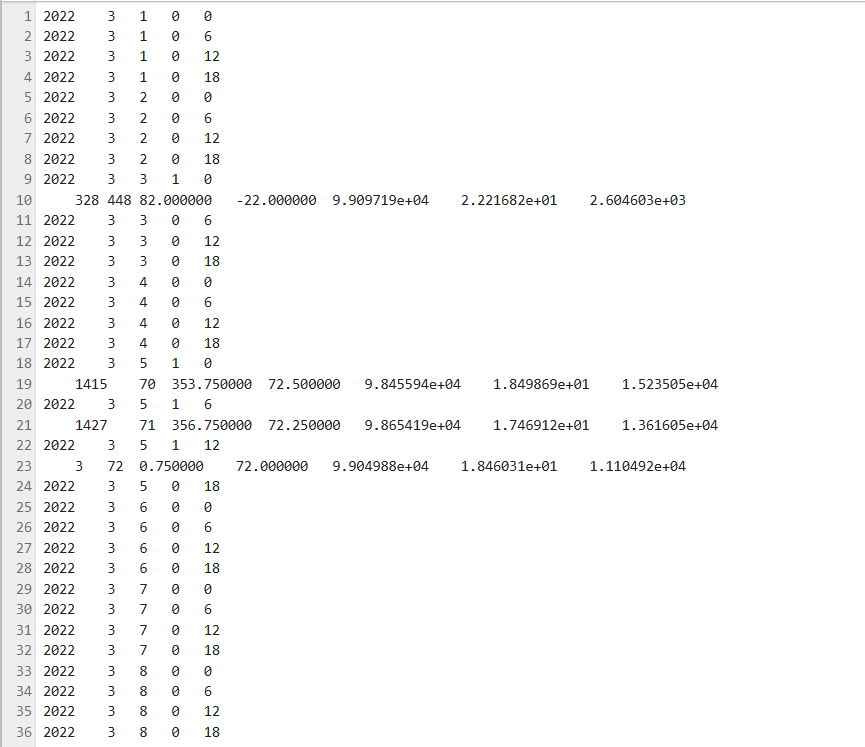


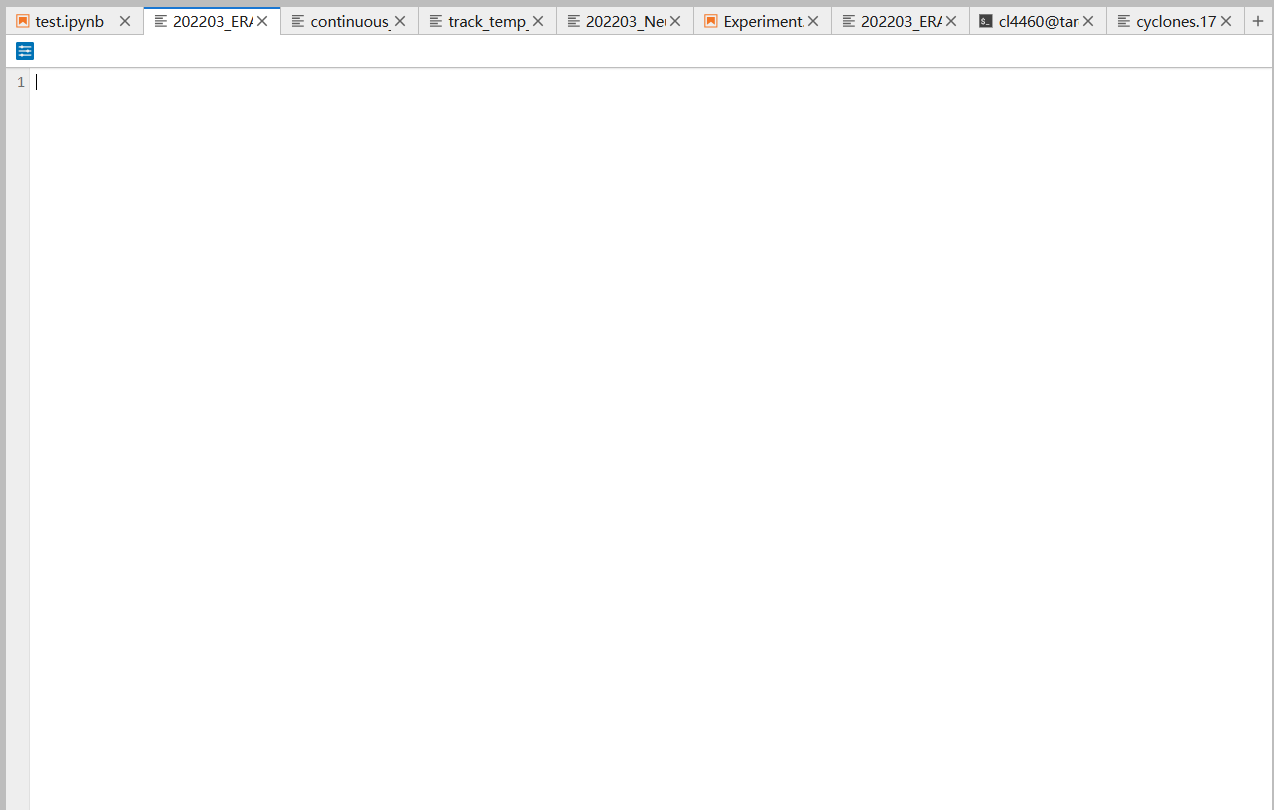
1. Paper



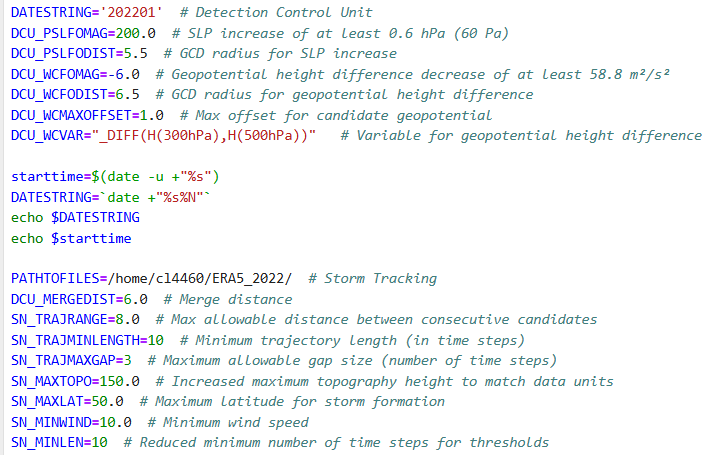


But the problem here is that when we set the value of DCU\_WCFOMAG to -58.8, the output dat file we set is blank, and the cyclone file has the following data in the interim:

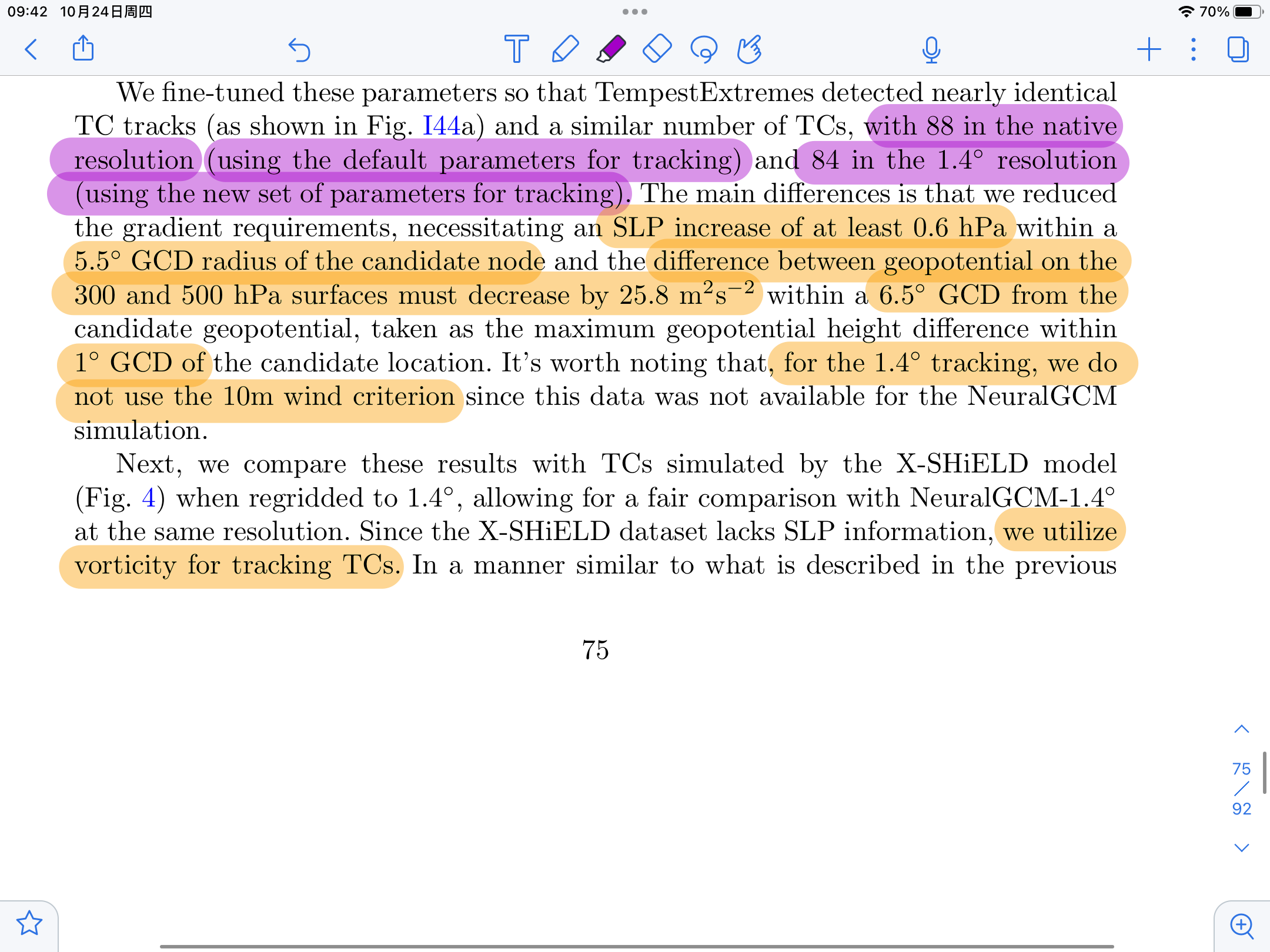


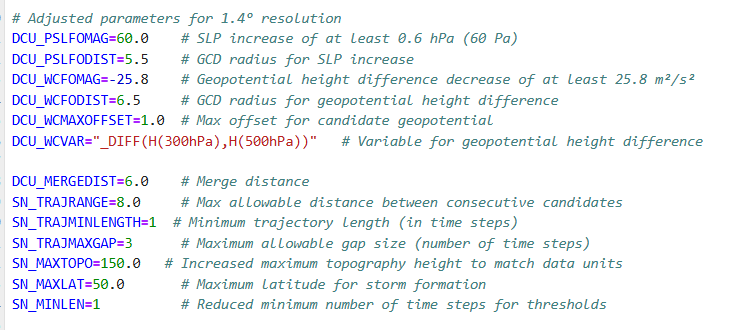


The paper mentions that “The default configuration of TE, used for the native ERA4 resolution (0.25°), SLP as the feature-tracking variable.

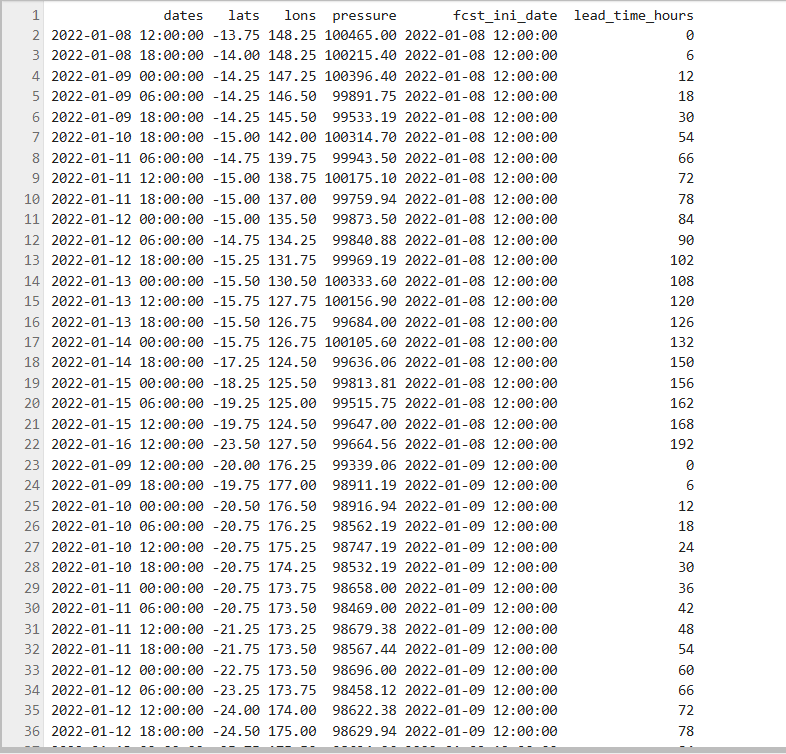


It means we will continue to use the ERA5 data in 2022.





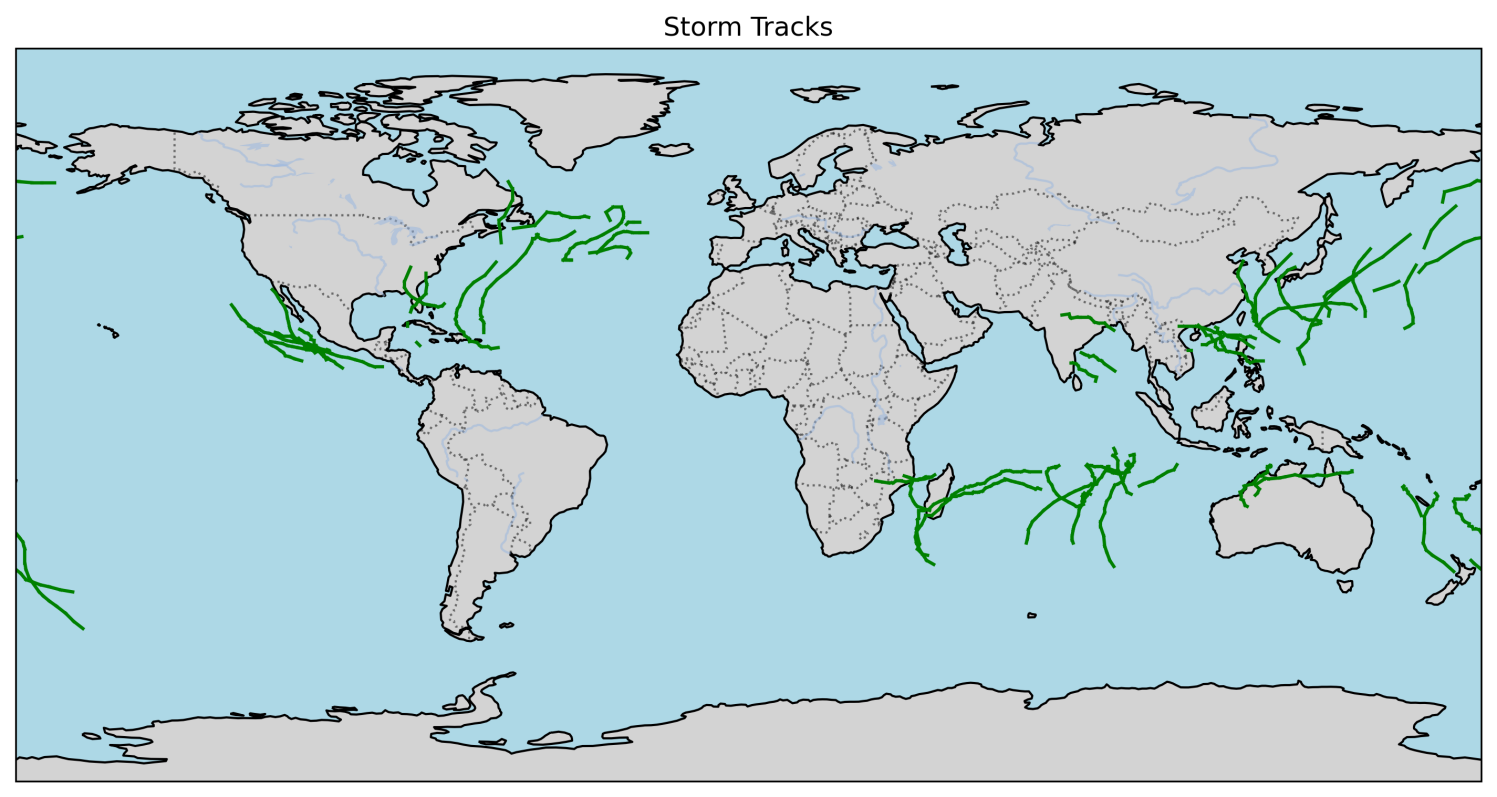
After get data, we run the **labeldata.py** to get dataset:



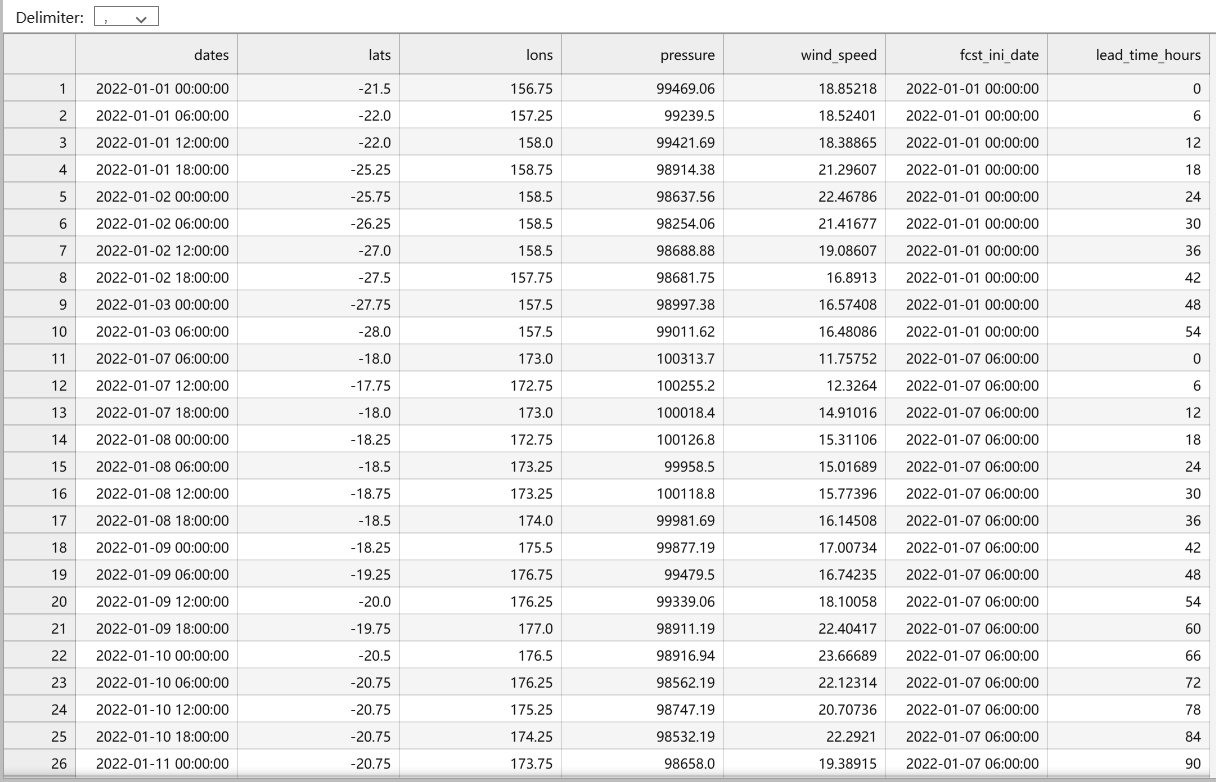
Some csv problems happened, try to run **csv\_convert.py**:



To run **1.4°continuous.py**:



Continuous to convert ERA5.dat to csv format, run **0.25°csv\_convert.py**:



Combine these two csv files together to get the graph, run **combine.py**:

