

Geosci. Model Dev. Discuss., author comment AC2
<https://doi.org/10.5194/gmd-2022-201-AC2>, 2022
© Author(s) 2022. This work is distributed under
the Creative Commons Attribution 4.0 License.

Comment on gmd-2022-201

Emerson Damasceno de Oliveira

Author comment on "Daily INSOLation (DINSOL-v1.0): an intuitive tool for classrooms and specifying solar radiation boundary conditions" by Emerson Damasceno Oliveira, Geosci. Model Dev. Discuss., <https://doi.org/10.5194/gmd-2022-201-AC2>, 2022

Dear Kevin Schwarzwald, referee#1, and more community members,

Conform was related in the previous comments; the Linux distributions presented issues installing the libraries needed to run the DINSOL in GUI mode. Then, in order to get around this issue, I compiled the GUI.py file into an executable file, "GUI.exe". In general, my experience running the "GUI.exe" on Windows systems was successful in all these operating systems: Windows XP, Windows 7, Windows 10, and Windows 11.

Moreover, I decided to adopt the "Wine Is Not an Emulator" (WINE) because Linux users can run many Windows applications on different options of Linux distributions. Therefore, I prepared a new DINSOL version that can run using wine, which solved the libraries' issues and expanded the distro's compatibilities. Please note that the new program file contains a shell script configuring the DINSOL program in Debian distros, even though it can be easily adapted to run on others environments, such as Arch Linux.

Besides enhancing the compatibility, I also modified the color palette as was suggested in the previous comments.

Well, I'm really thankful for all the feedback and glad to share this new version following the suggestions.

Download link: <https://zenodo.org/record/7394326#.Y4uFiHbMK3A>

For now, I'm working on the manuscript, but as soon as I conclude the manuscript corrections, a new DINSOL version for Windows will also be posted following the recommended suggestions.

Best Regards,

Emerson D. Oliveira

Please also note the supplement to this comment:

<https://gmd.copernicus.org/preprints/gmd-2022-201/gmd-2022-201-AC2-supplement.zip>