



Revisions for PrOpacEOS v. 12.0.0

- For Mac computers: all codes are built on Apple M-series silicon chips. Computers with Intel processors are no longer supported.
- The option to write *PROPACEOS* workspaces with the older non-JSON format has been removed. Previously created non-JSON workspaces can still be read in.
- 2D plot windows now support mouse wheel zooming centered on the cursor position.
- In *Preferences*, the option to include MERL lineshapes databases has been added. If this box is checked, transition linewidths will be overridden by those that exist in the MERL database, provided that database is installed in the atomic data directory being used. To request ATBASE- or FAC-specific MERL databases, please contact Prism. More information can be found in appendix titled "Stark Broadening".
- Several improvements in modeling dense plasma effects on atomic kinetics, line shifts, and photoionization edges. More information can be found in appendix titled "IPD and polarization shift".
- In *Atomic Processes* -> *Advanced* the *Opacity transitions* tab has been added. This tab allows users to deselect transitions included in the opacity calculations.