**GMMPS on macOS Catalina and Big Sur**

(from Bryan Miller – NOIRLab/Gemini)

In general, it is best to compile GMMPS from sources for maximum compatibility with a system. This works up to macOS 10.15 (Catalina) but currently it won’t compile on macOS 11 (Big Sur). However, the precompiled binaries found at [http://software.gemini.edu/gmmps/gmmps-1.5.2_macos.tgz](http://software.gemini.edu/gmmps/gmmps-1.5.2_macos.tgz) seem to work fine. The following steps make them easier to install:

1) Install Xcode from the Mac app store and run it at least once
2) Launch "System Preferences" and select "Security & Privacy"
3) Select the Privacy tab and then scroll down in the left window and select "Developer Tools"
4) Unlock to make changes and check the box next to the Terminal app
5) Restart Terminal if needed

Then you can run the pre-compiled binaries without having to give each of them Gatekeeper permission the first time that you run them. This procedure also works on Catalina.

There is a plan to release a new version of GMMPS later this year, hopefully with the ability to compile on Big Sur.

Further resources:


[https://www.gemini.edu/instrumentation/gmos/capability#MOS](https://www.gemini.edu/instrumentation/gmos/capability#MOS)

[https://www.gemini.edu/observing/resources/multi-object-spectroscopy](https://www.gemini.edu/observing/resources/multi-object-spectroscopy)