


**From:** Michael Belitz michaelbelitz06@gmail.com   
**Subject:** Re: Question on Mimosoid phylodiversity  
**Date:** November 10, 2022 at 4:36 PM  
**To:** Folk, Ryan rfolk@biology.msstate.edu  
**Cc:** Guralnick, Robert rguralnick@flmnh.ufl.edu

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Nice catch and this was indeed a simple fix. The mollweide projection I used for the SDM and Biodiverse analyses was centered slightly differently than the projection I specified for the global background of those plots, which also happens to be the default mollweide projection. So I switched line 16 of the markdown document from `st_transform("+proj=moll +lon_0=0 +x_0=0 +y_0=0 +ellps=WGS84 +datum=WGS84 +units=m +no_defs")` to `st_transform("+proj=moll +lon_0=1 +datum=WGS84 +units=m +no_defs")` and things look good.

New markdown document and knitted html attached.

-Mike

On Thu, Nov 10, 2022 at 3:06 PM Folk, Ryan <[rfolk@biology.msstate.edu](mailto:rfolk@biology.msstate.edu)> wrote:

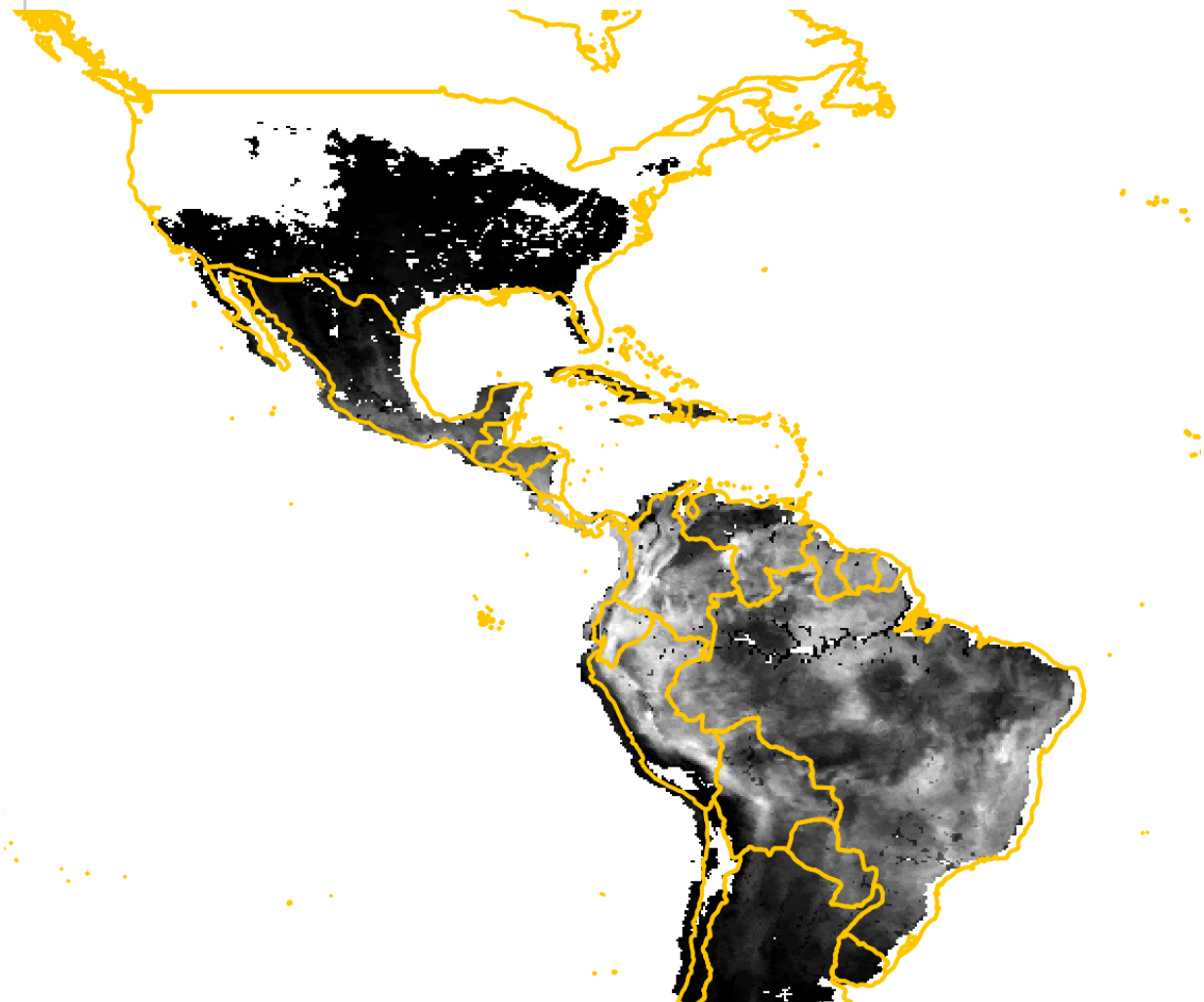
Hello Mike —

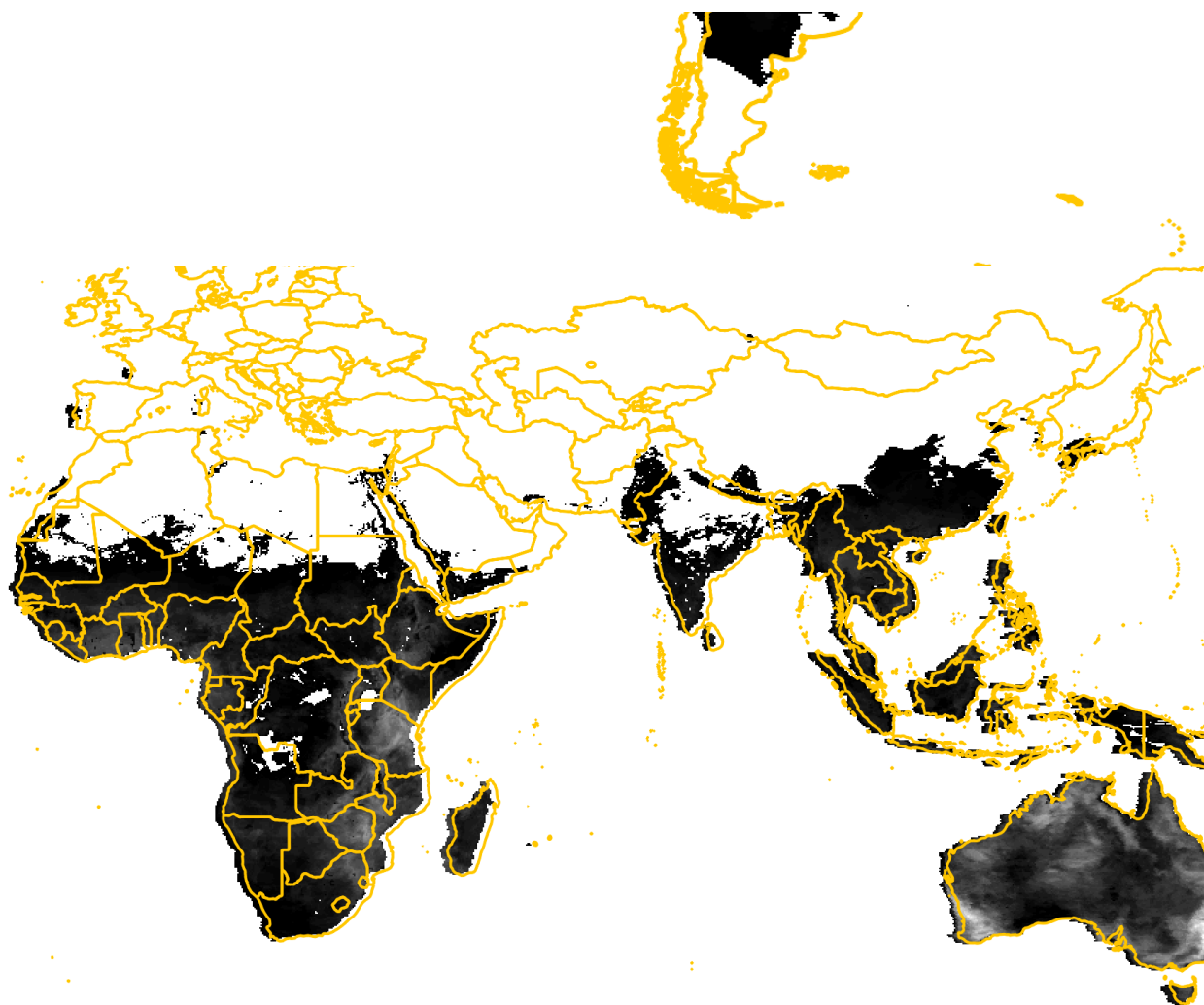
I was thinking about working on the figures and I wanted to ask you about something. On the first set of maps you sent in that first report, it looks like there might be a projection issue of some kind. I followed your code and imported into QGIS as mollweide, and I see the same thing, attached.

Notice how everything seems shifted a bit west? Any chance there is a simple fix such as the wrong projection?

Hope things are going well!

Ryan





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mimosoid\_upda  
te.html



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te.Rmd

