

We thank the editor Peter Morse and respond point-by point to the comments:

Minor comments:

P1, L11: Here you say the Andes are 7,000 km in length, but on P3, L6, you say 8,000 km. I think most estimates are closer to 7,000 km.

Response: we change from 8,000 to 7,000 km.

P1, L18: Delete “Interim”. Should ENSO, SAM, and PDO be spelled out, as you did for MODIS? Similarly, Should MERRA2 also be spelled out? I think so given our broad readership.

Response: these words have been deleted. ENSO, SAM, and PDO were defined in this page.

Throughout: As before, there is always a space between the value the “°” symbol for temperatures, but not for position (latitude or longitude). I think you may have carried out a blanket search-and-replace that introduced some errors.

Response: we put a space between the value of temperature and the “°” but not for position.

Figure 6: The line symbol for the continental divide is still not clearly visible to me in the legend or the figure. Can you make the lines thicker?

Response: we included a thicker line.

P15, L11: Change “think” to “thick”

Response: this change has been made.

P22, L3: Delete “up front”

Response: these words were deleted.

P24, L17: Change “For climate data, we tested several different gridded products” to “During the development of this paper, we tested several different gridded climate data products”

Response: this change has been made.