Review of comments on the revised manuscript, BAMS-D-23-0208\_R2:

While all the comments have been meticulously addressed, resulting in a significantly improved manuscript, a minor revision is necessary before considering it for publication.

L1111: Should it be changed from "high resolution regional" to "coarse resolution global"?

Lines 281-282: Please clarify the definition of Models 1-5 in the figure caption. Are Models 1-5 representative of HRRR-SMOKE, GEFS-AEROSOL, NAQFC, GEOS, and NAAPS, respectively? Throughout the manuscript, the relationship between the model numbers and their corresponding original models hasn't been explicitly defined.

Line 299: Should the caption of Figure 3 be modified to "Compare individual models to MMA using the random walk method for major fire regions"?