

Figure S1. Maximum temperature BIAS (°C). The upper panel is derived from the BAM-CLIM simulations, the middle panel is derived from the BAM-CTE simulations, and the bottom panel is derived from the BAM-ZERO simulations. The left column shows BIAS on a daily scale, the middle column shows BIAS on a decennial scale, and the right column shows BIAS on a monthly scale.

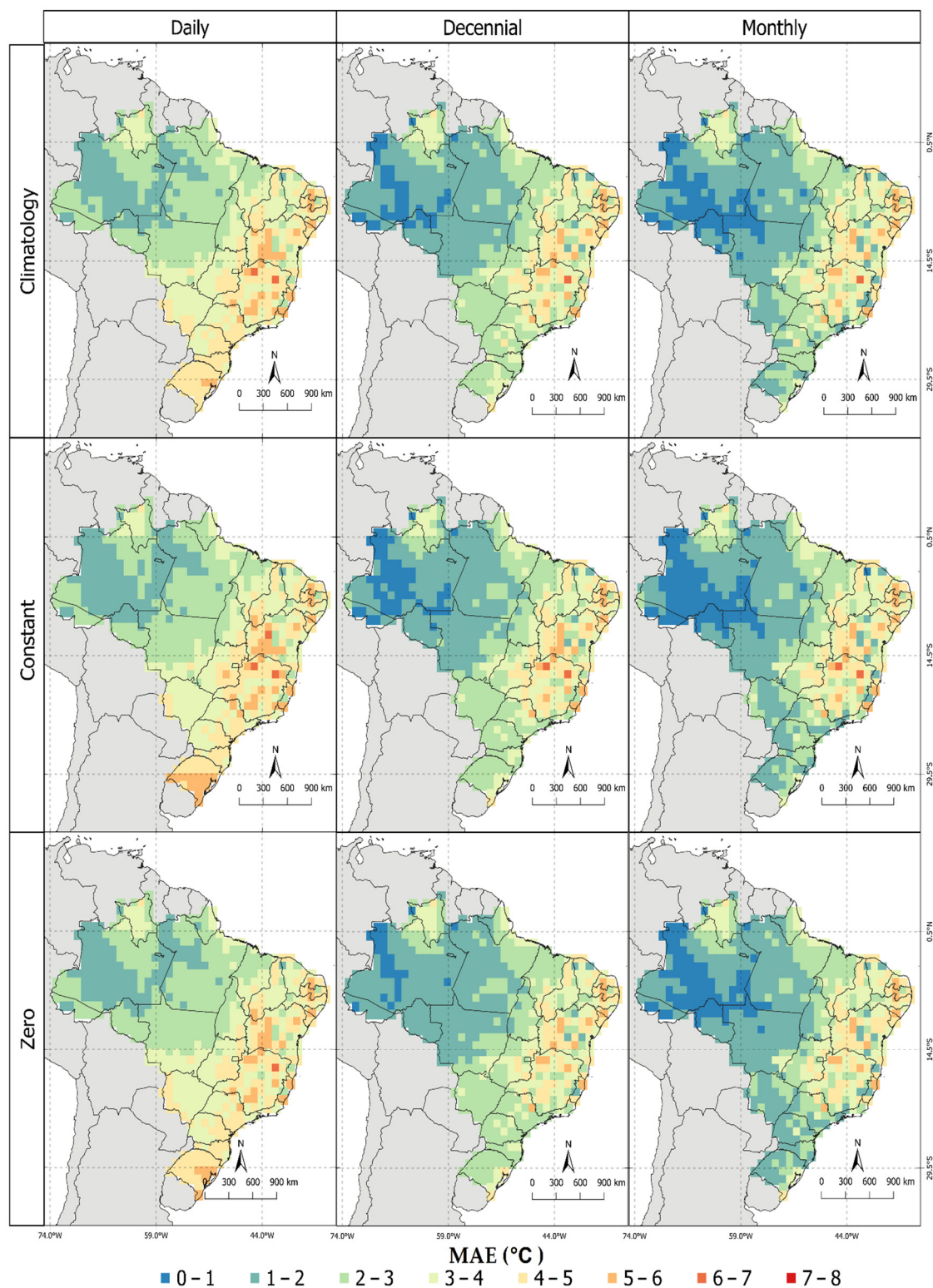


Figure S2. MAE of the maximum temperature (°C). The upper panel is derived from the BAM-CLIM simulations, the middle panel is derived from the BAM-CTE simulations, and the bottom panel is derived from the BAM-ZERO simulations. The left column shows MAE on a daily scale, the middle column shows MAE on a decennial scale, and the right column shows MAE on a monthly scale.

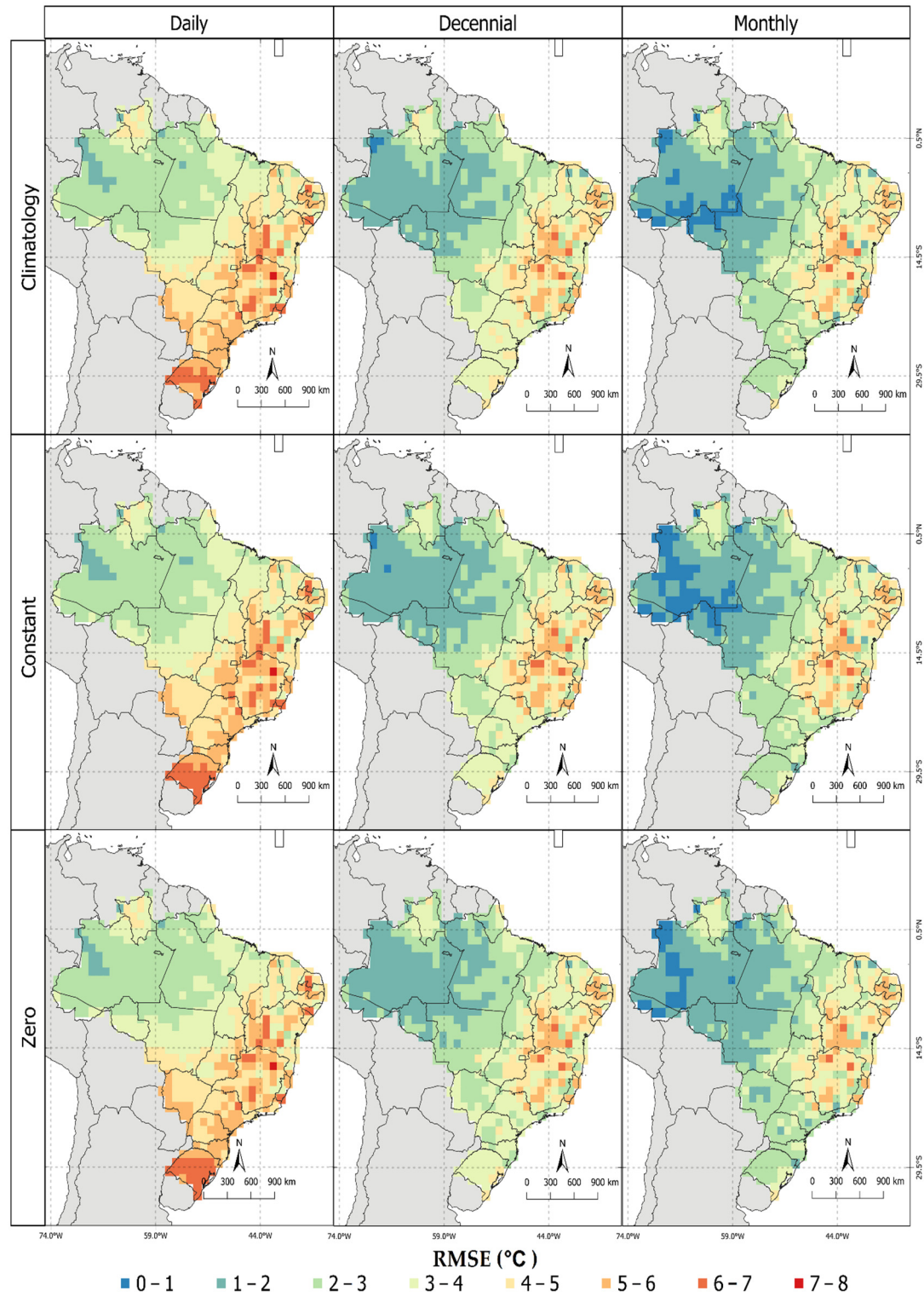


Figure S3. Maximum temperature RMSE (°C). The upper panel is derived from the BAM-CLIM simulations, the middle panel is derived from the BAM-CTE simulations, and the bottom panel is derived from the BAM-ZERO simulations. The left column shows RMSE on a daily scale, the middle column shows RMSE on a decennial scale, and the right column shows RMSE on a monthly scale.

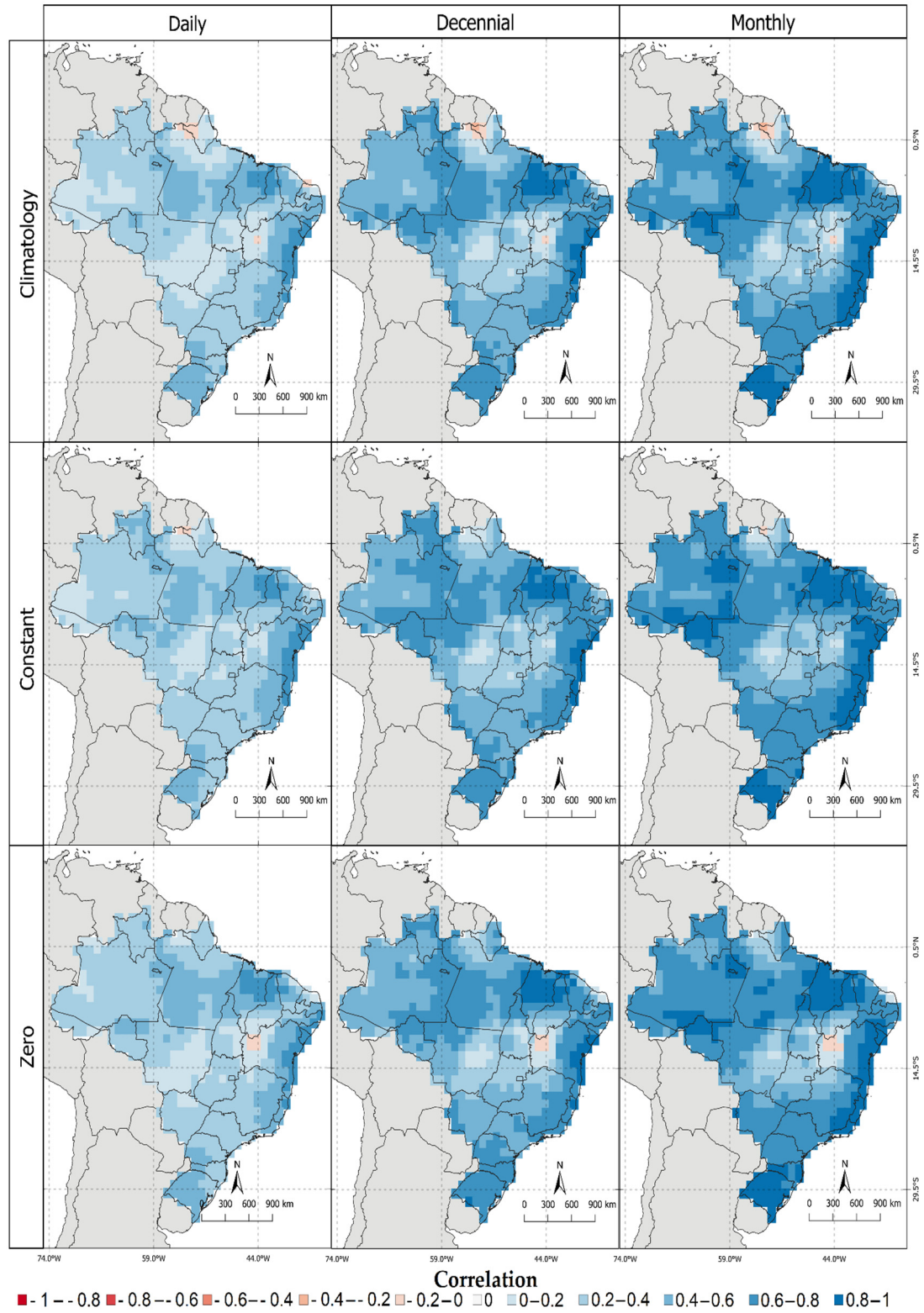


Figure S4. Maximum temperature correlation. The upper panel is derived from the BAM-CLIM simulations, the middle panel is derived from the BAM-CTE simulations, and the bottom panel is derived from the BAM-ZERO simulations. The left column shows correlation on a daily scale, the middle column shows correlation on a decennial scale, and the right column shows correlation on a monthly scale.

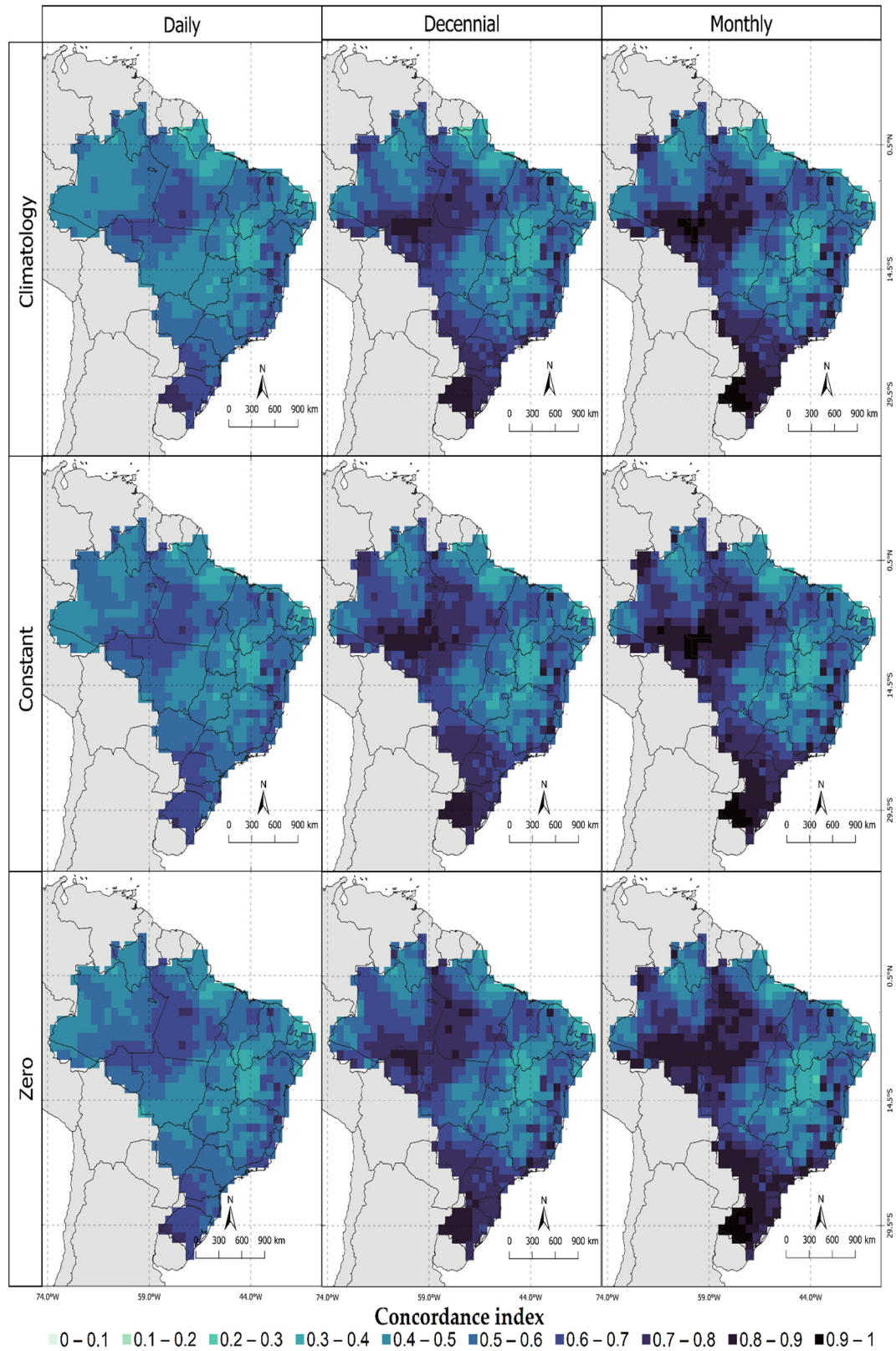


Figure S5. Maximum temperature CI. The upper panel is derived from the BAM-CLIM simulations, the middle panel is derived from the BAM-CTE simulations, and the bottom panel is derived from the BAM-ZERO simulations. The left column shows CI on a daily scale, the middle column shows CI on a decennial scale, and the right column shows CI on a monthly scale.

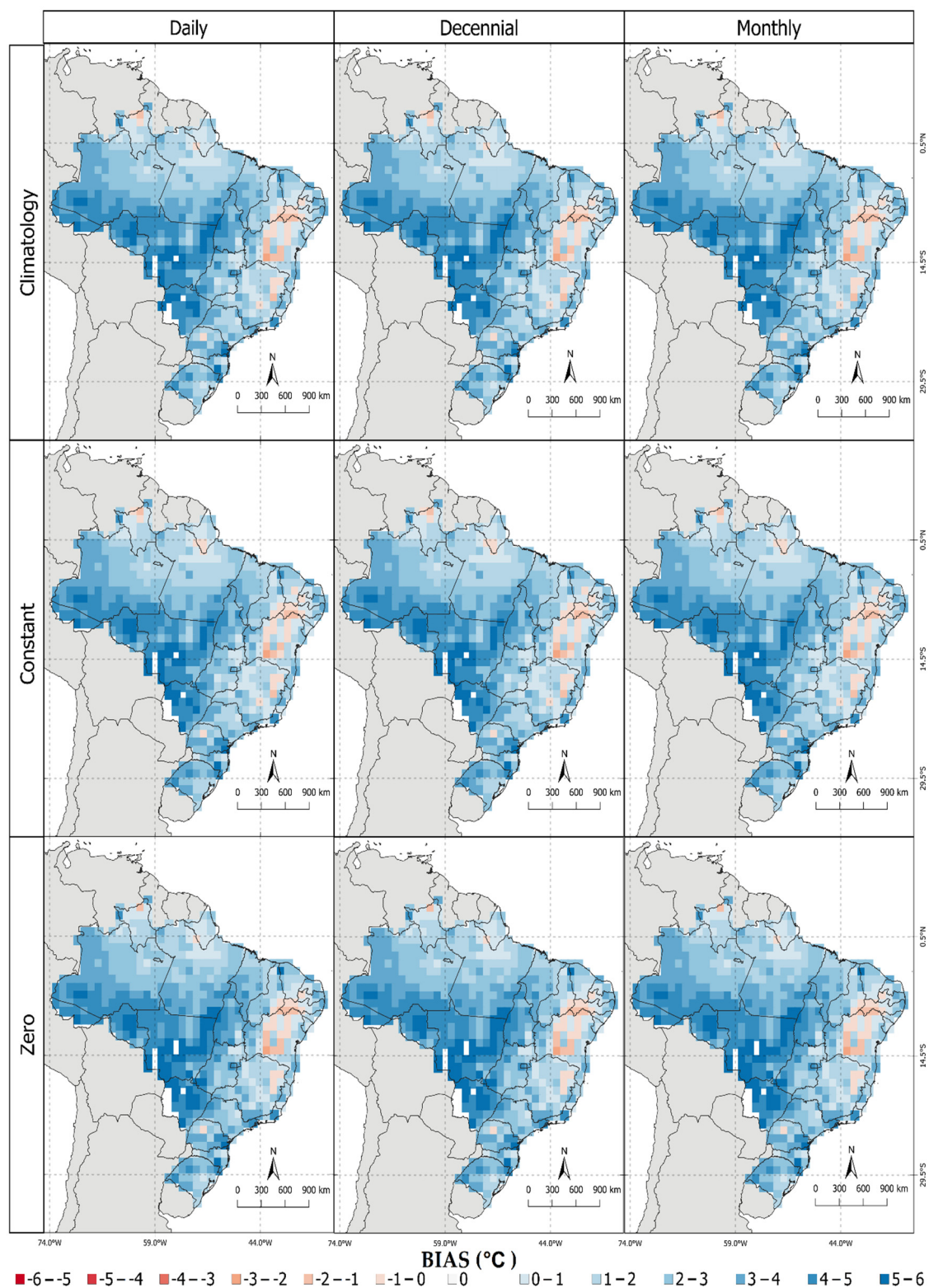


Figure S6. Minimum temperature BIAS (°C). The upper panel is derived from the BAM-CLIM simulations, the middle panel is derived from the BAM-CTE simulations, and the bottom panel is derived from the BAM-ZERO simulations. The left column shows BIAS on a daily scale, the middle column shows BIAS on a decennial scale, and the right column shows BIAS on a monthly scale.

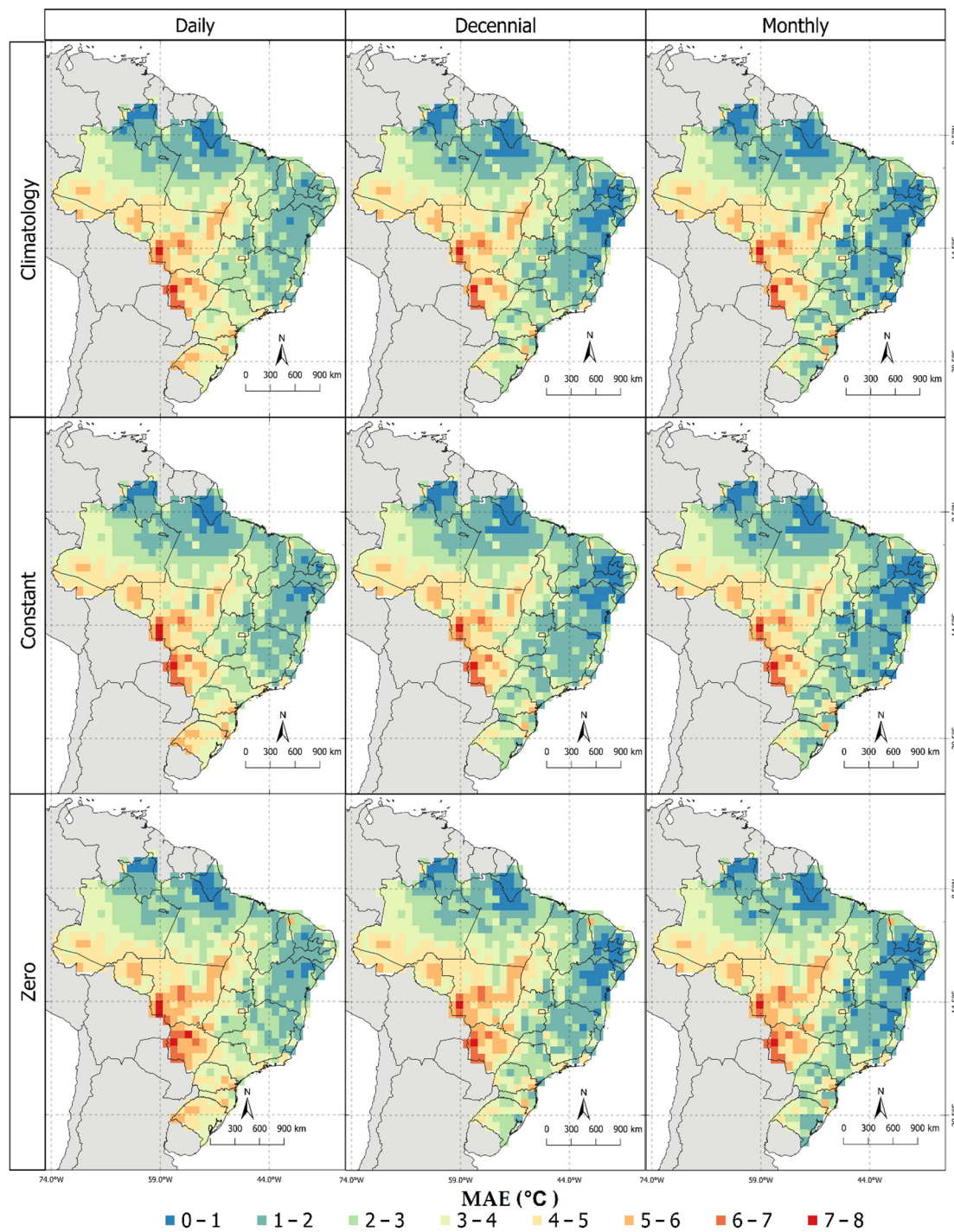


Figure S7. MAE of the minimum temperature (°C). The upper panel is derived from the BAM-CLIM simulations, the middle panel is derived from the BAM-CTE simulations, and the bottom panel is derived from the BAM-ZERO simulations. The left column shows MAE on a daily scale, the middle column shows MAE on a decennial scale, and the right column shows MAE on a monthly scale.

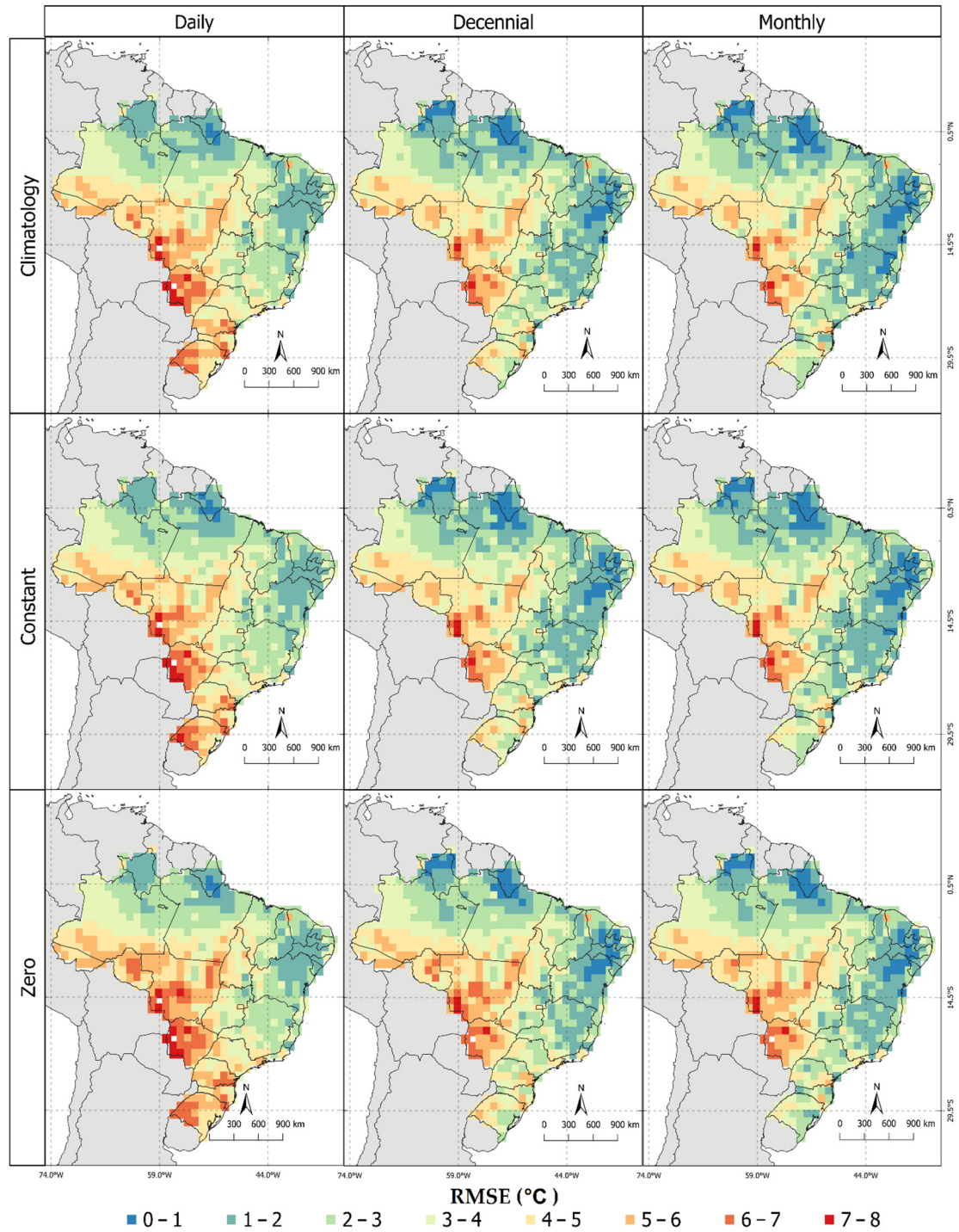


Figure S8. Minimum temperature RMSE (°C). The upper panel is derived from the BAM-CLIM simulations, the middle panel is derived from the BAM-CTE simulations, and the bottom panel is derived from the BAM-ZERO simulations. The left column shows RMSE on a daily scale, the middle column shows RMSE on a decennial scale, and the right column shows RMSE on a monthly scale.

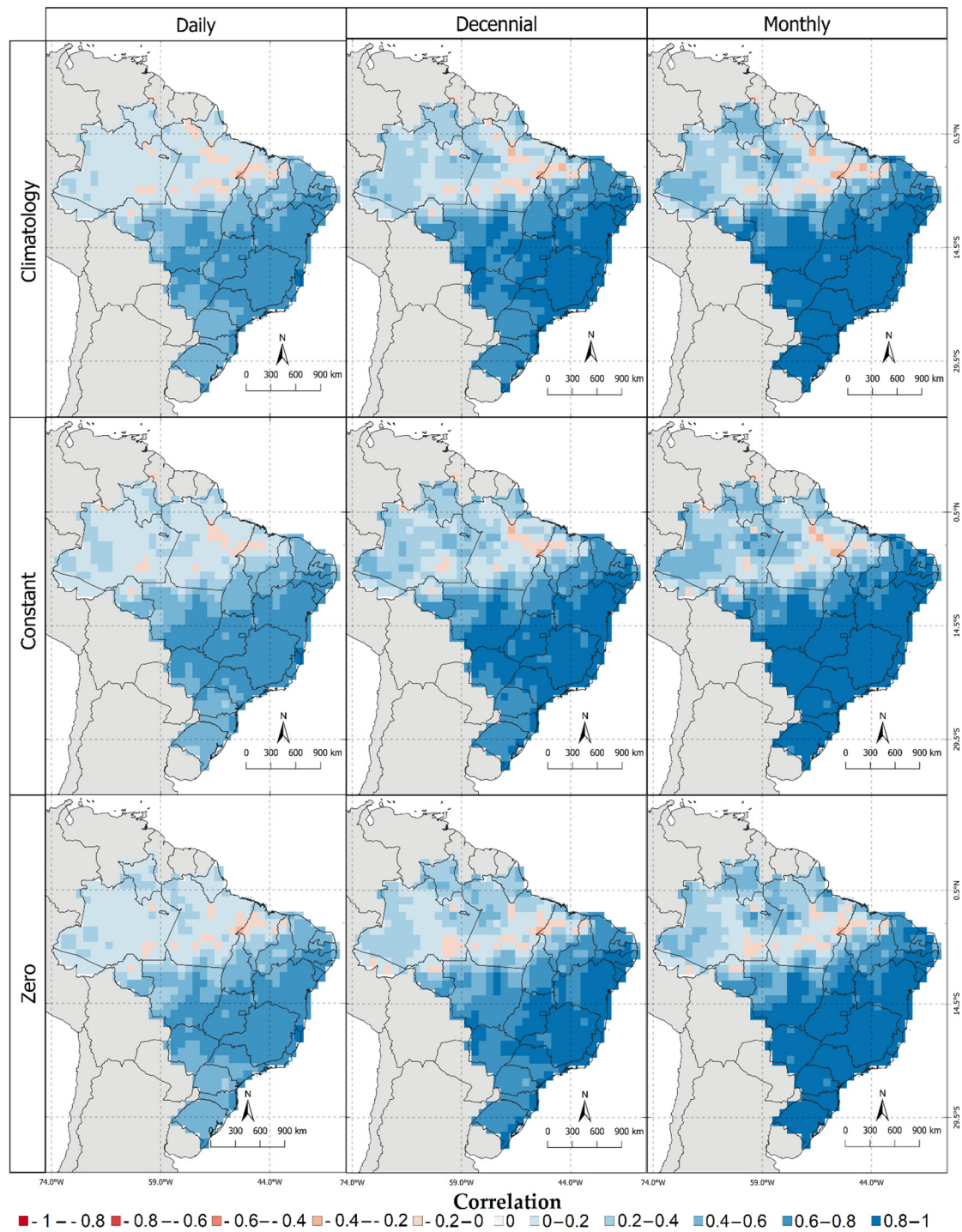


Figure S9. Minimum temperature correlation. The upper panel is derived from the BAM-CLIM simulations, the middle panel is derived from the BAM-CTE simulations, and the bottom panel is derived from the BAM-ZERO simulations. The left column shows correlation on a daily scale, the middle column shows correlation on a decennial scale, and the right column shows correlation on a monthly scale.

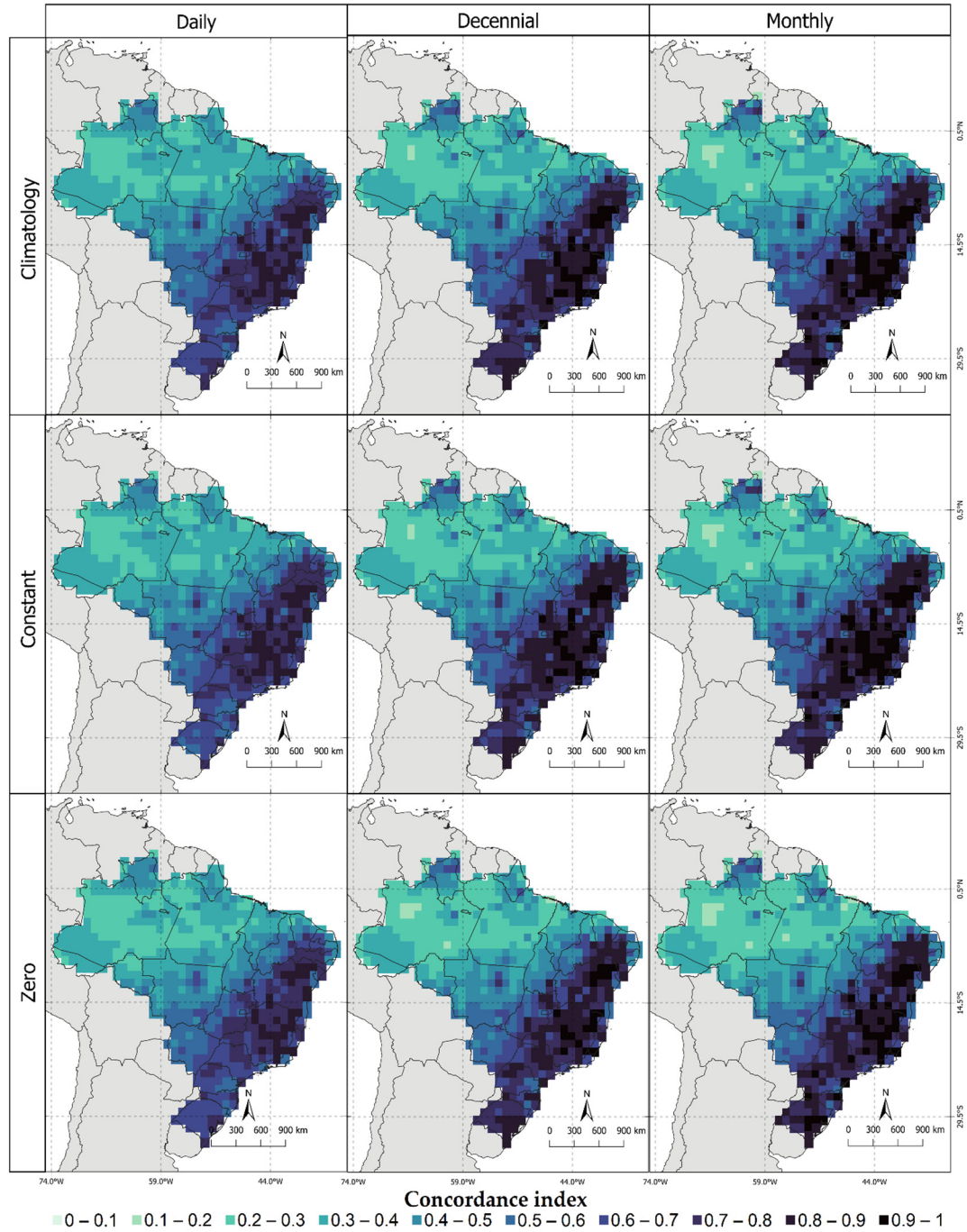


Figure S10. Minimum temperature CI. The upper panel is derived from the BAM-CLIM simulations, the middle panel is derived from the BAM-CTE simulations, and the bottom panel is derived from the BAM-ZERO simulations. The left column shows CI on a daily scale, the middle column shows CI on a decennial scale, and the right column shows CI on a monthly scale.

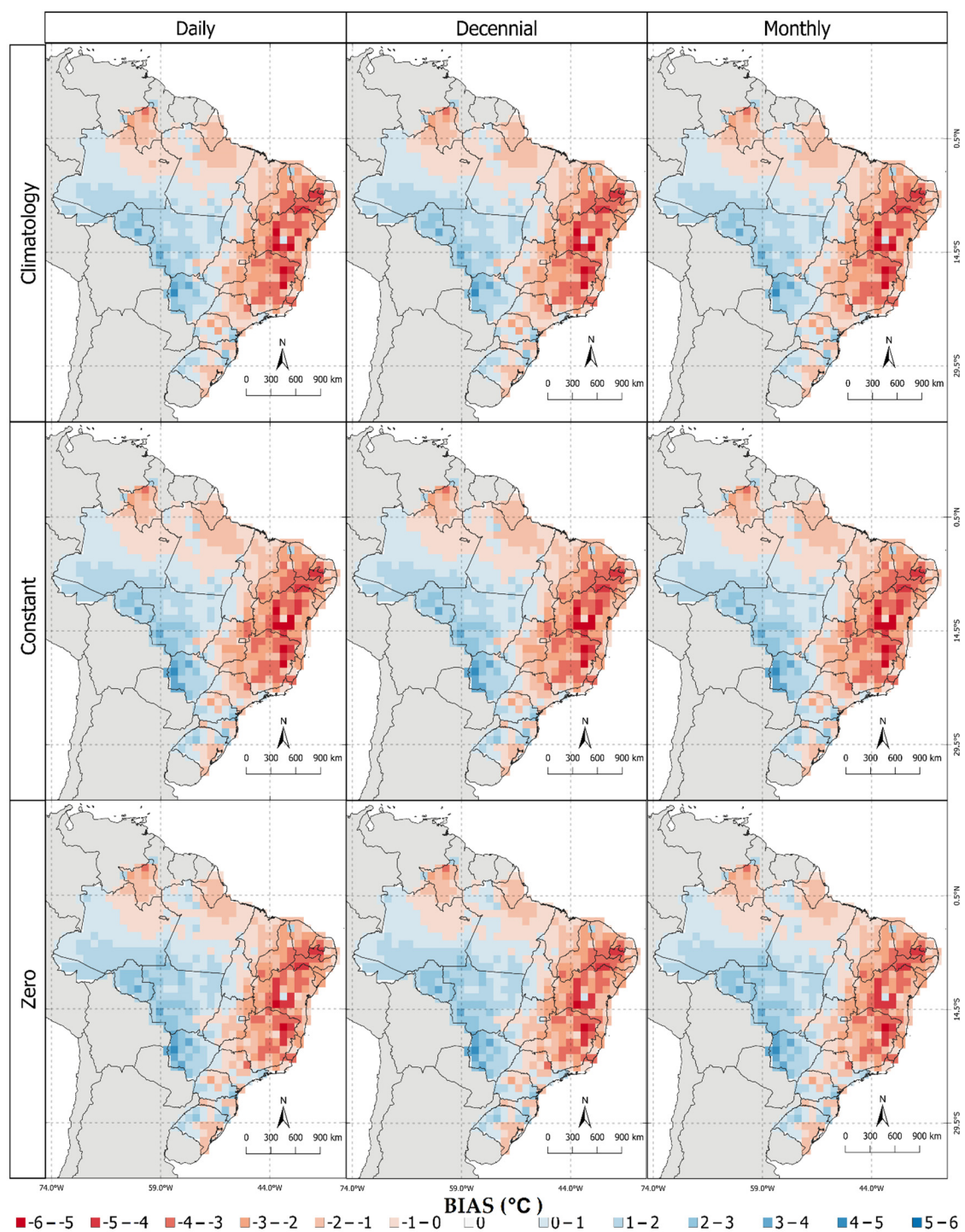


Figure S11. Average temperature BIAS (°C). The upper panel is derived from the BAM-CLIM simulations, the middle panel is derived from the BAM-CTE simulations, and the bottom panel is derived from the BAM-ZERO simulations. The left column shows BIAS on a daily scale, the middle column shows BIAS on a decennial scale, and the right column shows BIAS on a monthly scale.

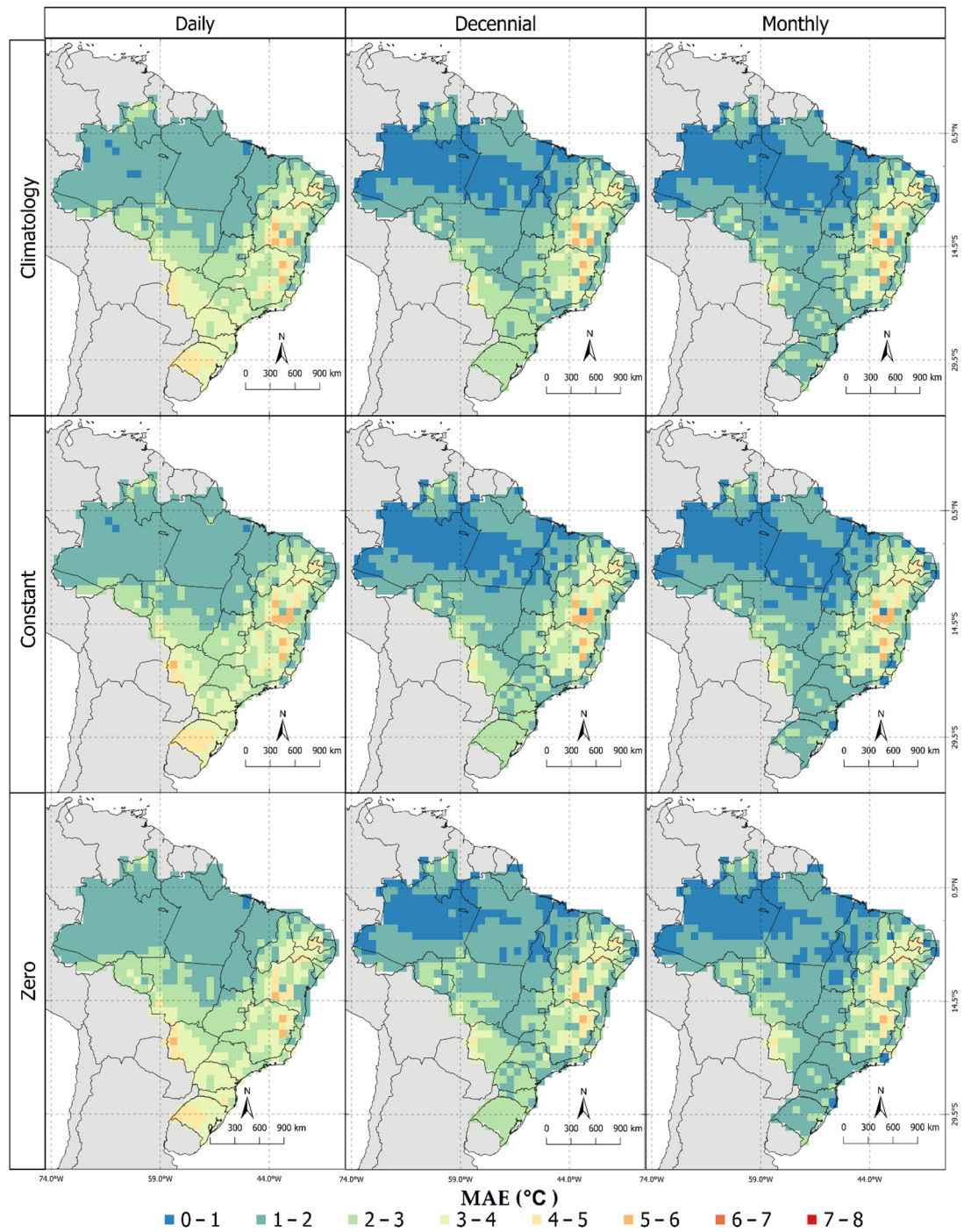


Figure S12. MAE of mean temperature (°C). The upper panel is derived from the BAM-CLIM simulations, the middle panel is derived from the BAM-CTE simulations, and the bottom panel is derived from the BAM-ZERO simulations. The left column shows MAE on a daily scale, the middle column shows MAE on a decennial scale, and the right column shows MAE on a monthly scale.

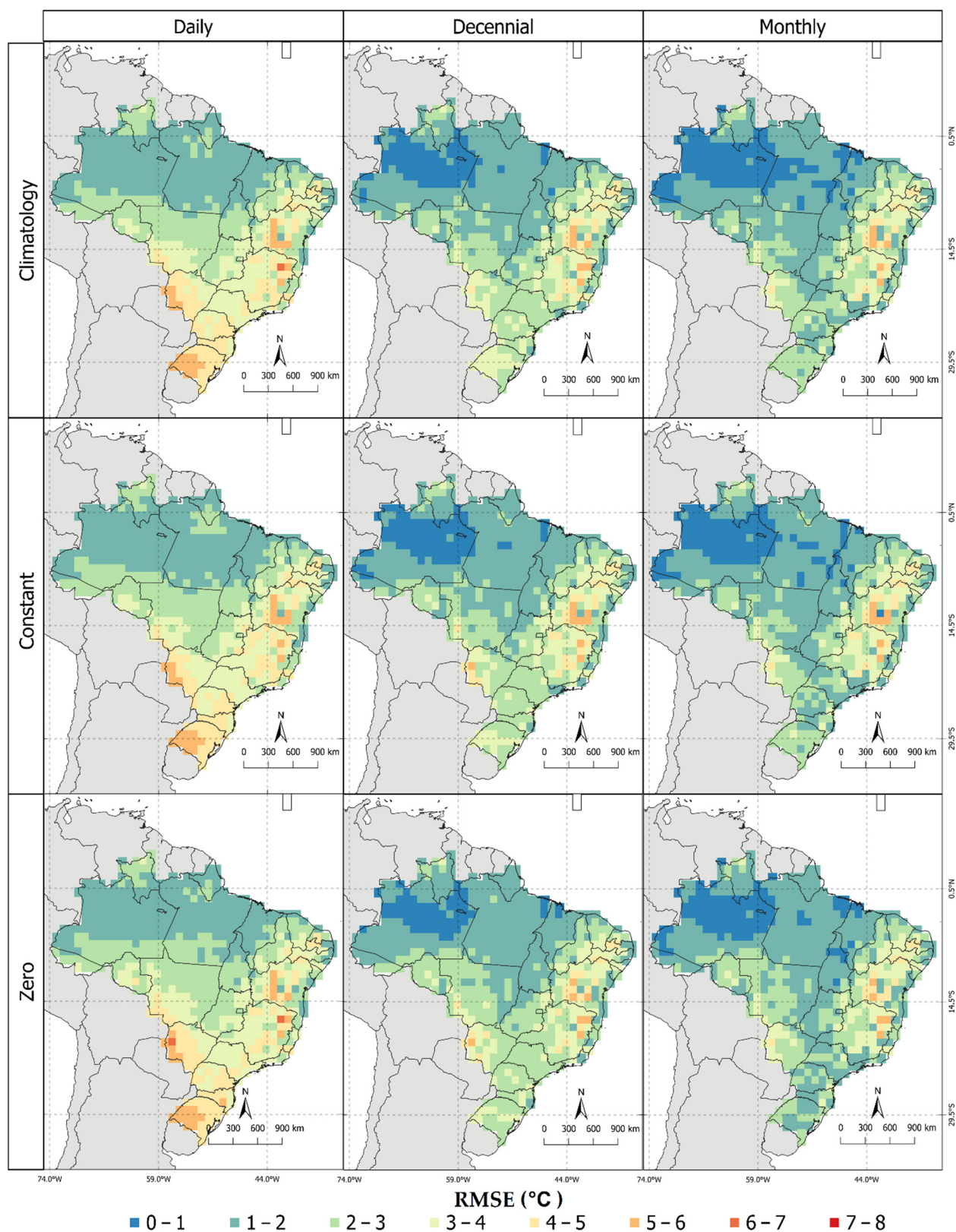


Figure S13. RMSE of mean temperature ($^{\circ}\text{C}$). The upper panel is derived from the BAM-CLIM simulations, the middle panel is derived from the BAM-CTE simulations, and the bottom panel is derived from the BAM-ZERO simulations. The left column shows RMSE on a daily scale, the middle column shows RMSE on a decennial scale, and the right column shows RMSE on a monthly scale.

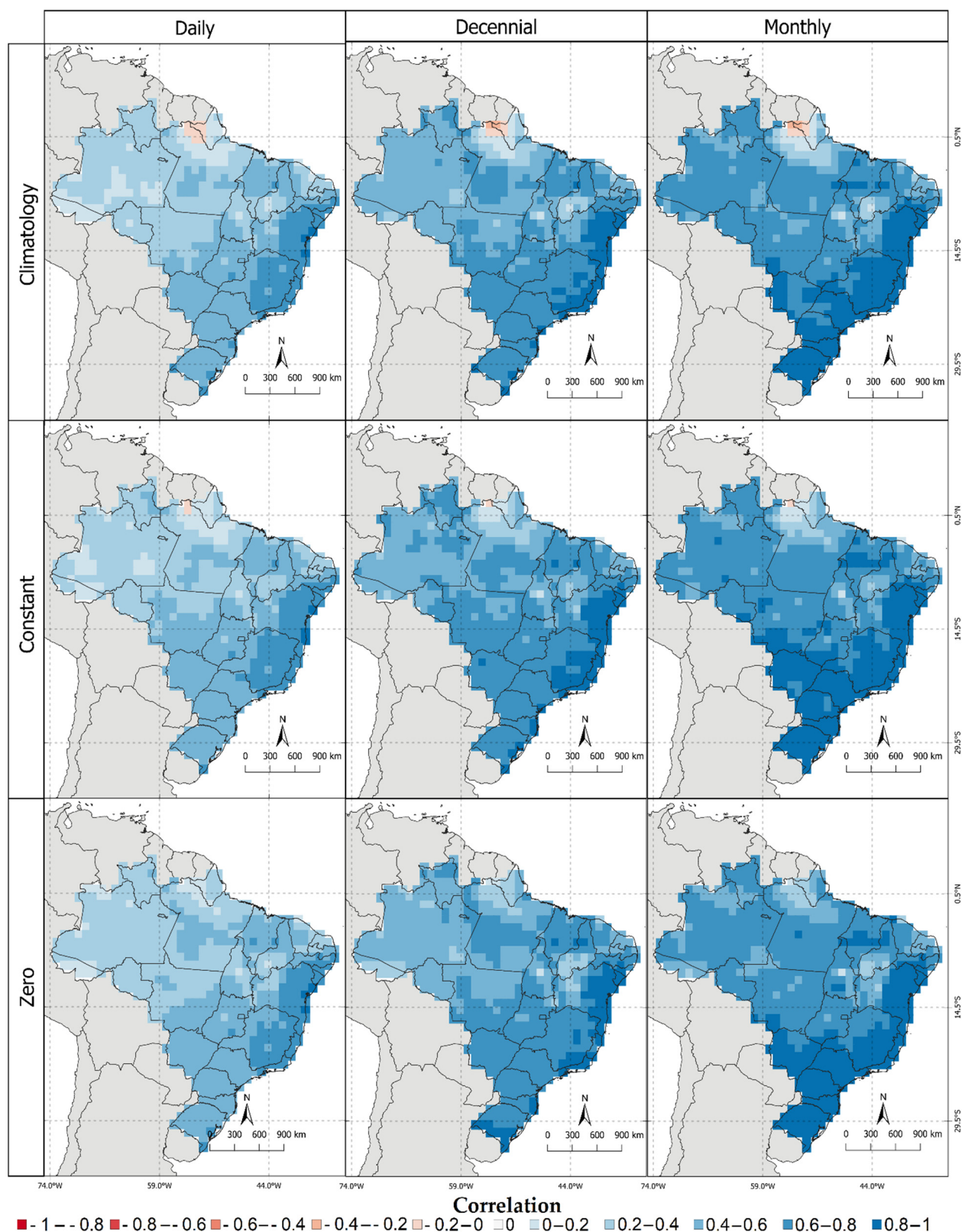


Figure S14. Correlation of mean temperature. The upper panel is derived from the BAM-CLIM simulations, the middle panel is derived from the BAM-CTE simulations, and the bottom panel is derived from the BAM-ZERO simulations. The left column shows correlation on a daily scale, the middle column shows correlation on a decennial scale, and the right column shows correlation on a monthly scale.

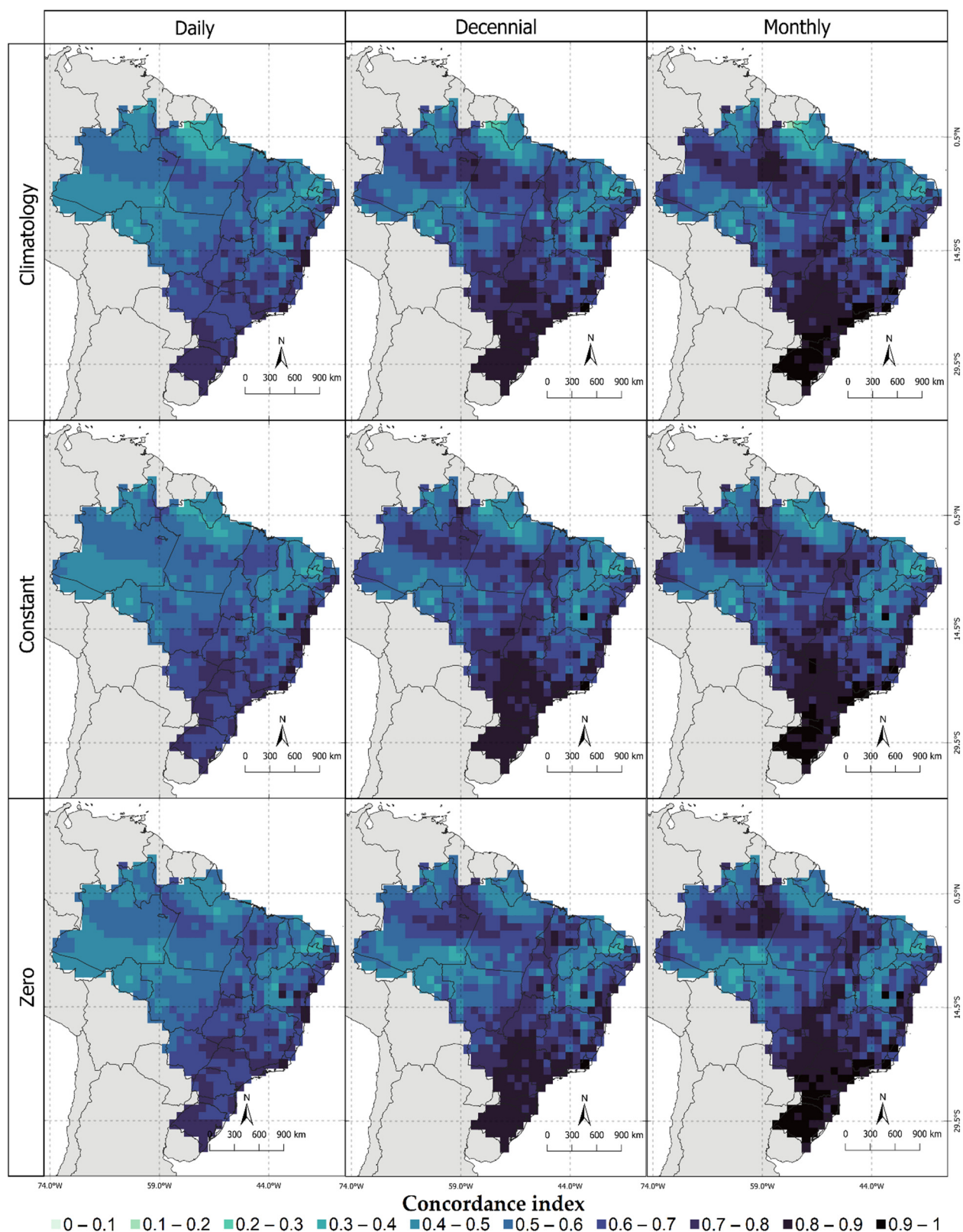


Figure S15. Average temperature CI. The upper panel is derived from the BAM-CLIM simulations, the middle panel is derived from the BAM-CTE simulations, and the bottom panel is derived from the BAM-ZERO simulations. The left column shows CI on a daily scale, the middle column shows CI on a decennial scale, and the right column shows CI on a monthly scale.

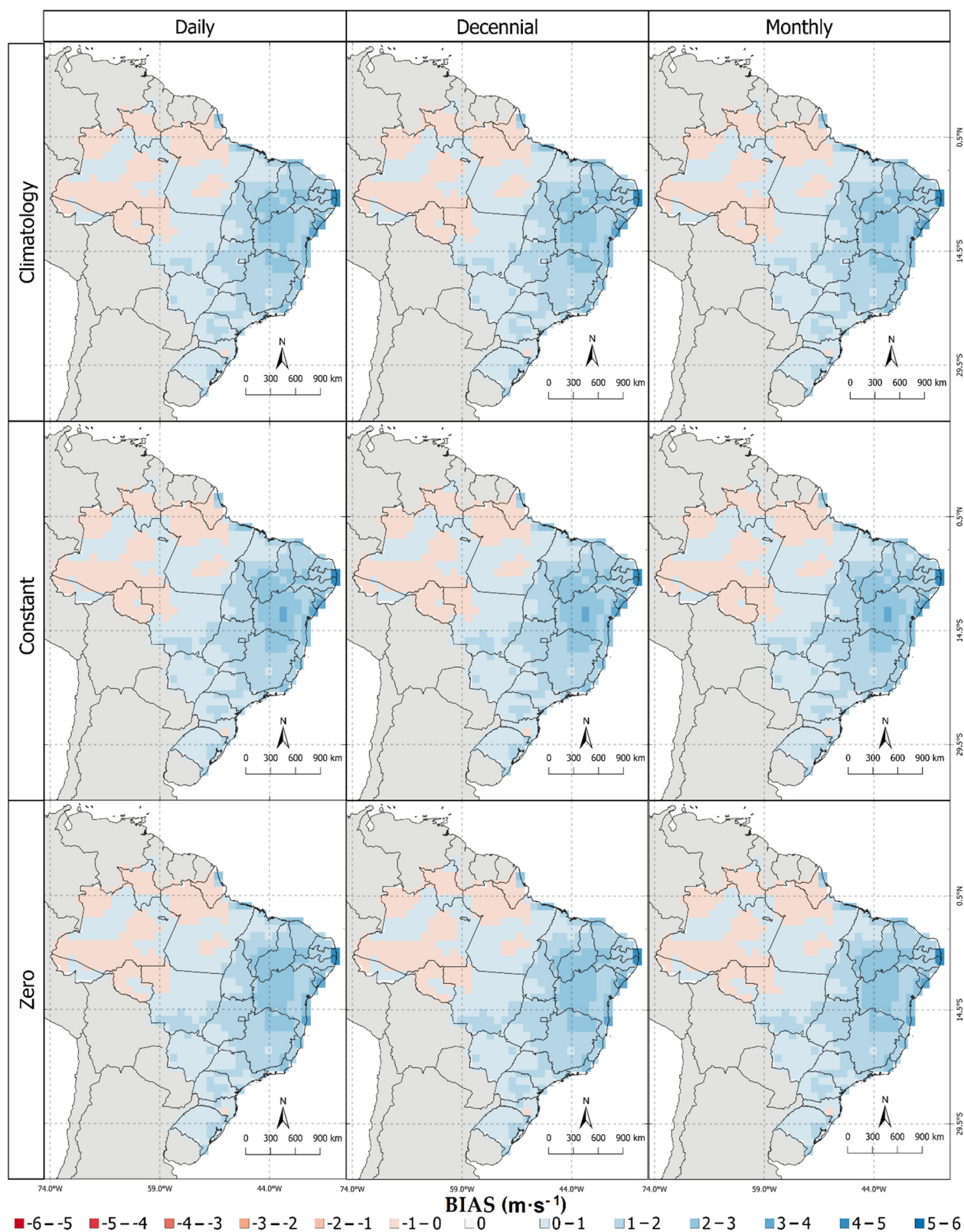


Figure S16. Wind speed BIAS ($\text{m}\cdot\text{s}^{-1}$). The upper panel is derived from the BAM-CLIM simulations, the middle panel is derived from the BAM-CTE simulations, and the bottom panel is derived from the BAM-ZERO simulations. The left column shows BIAS on a daily scale, the middle column shows BIAS on a decennial scale, and the right column shows BIAS on a monthly scale.

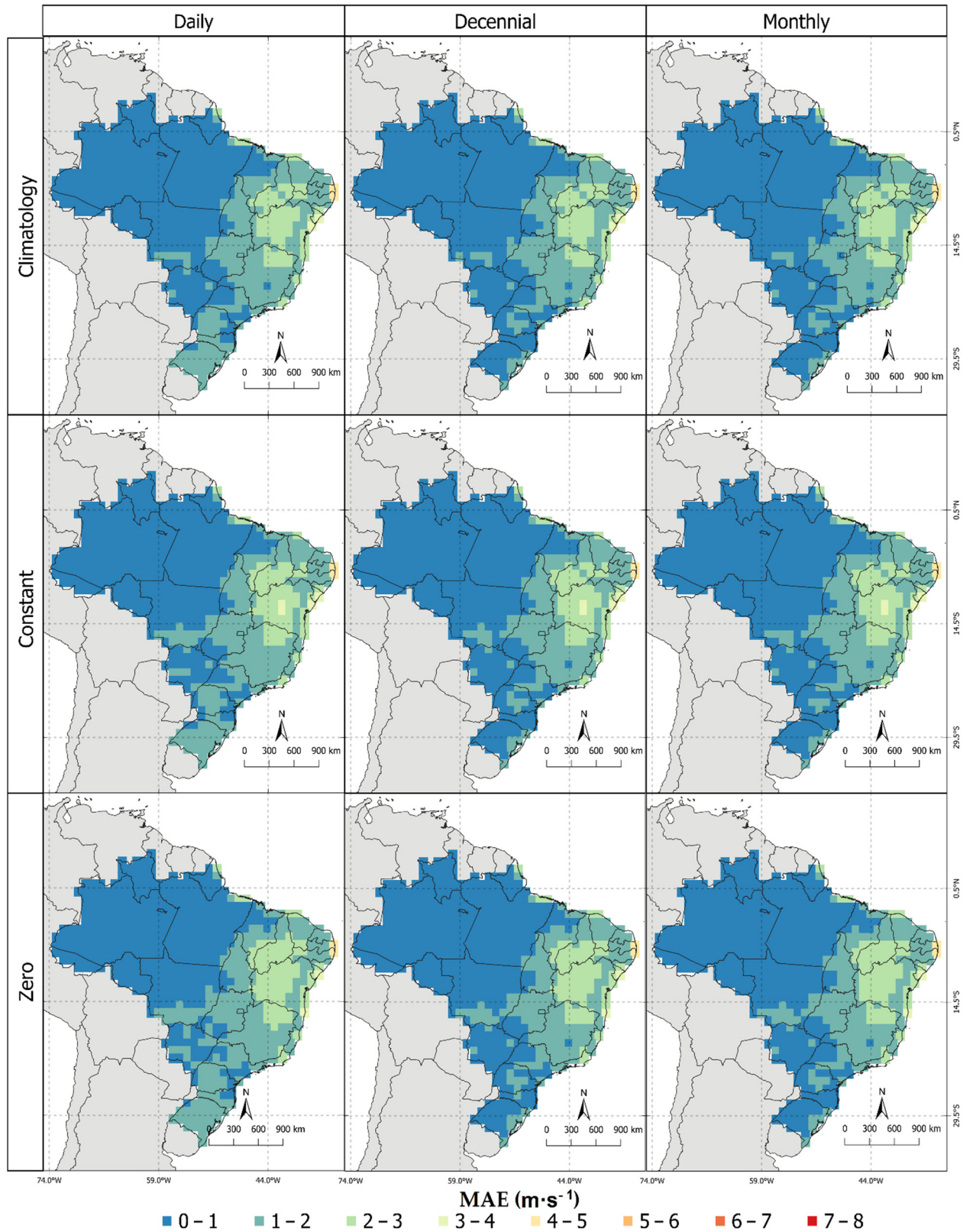


Figure S17. MAE of wind speed ($\text{m}\cdot\text{s}^{-1}$). The upper panel is derived from the BAM-CLIM simulations, the middle panel is derived from the BAM-CTE simulations, and the bottom panel is derived from the BAM-ZERO simulations. The left column shows MAE on a daily scale, the middle column shows MAE on a decennial scale, and the right column shows MAE on a monthly scale.

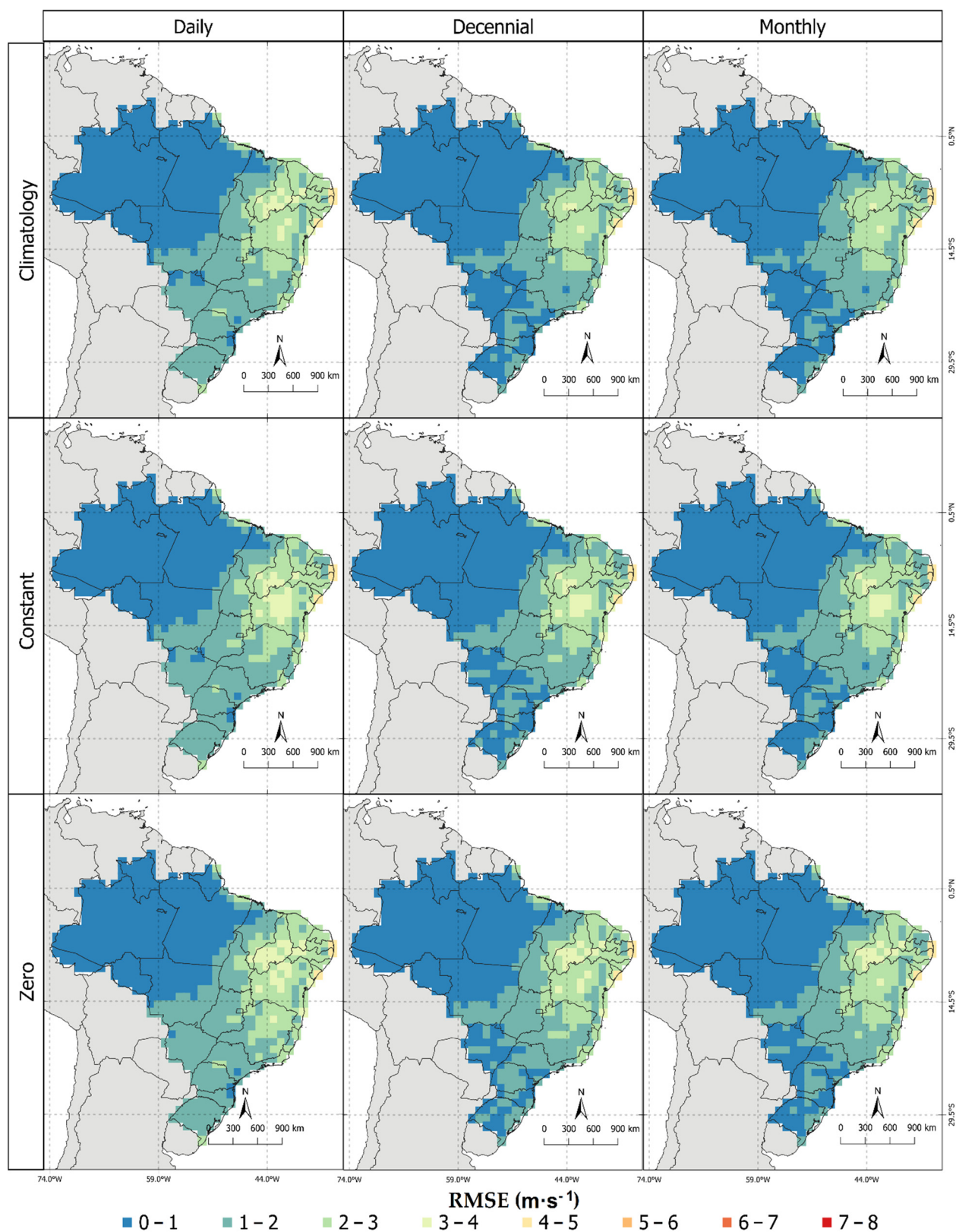


Figure S18. RMSE of wind speed ($\text{m}\cdot\text{s}^{-1}$). The upper panel is derived from the BAM-CLIM simulations, the middle panel is derived from the BAM-CTE simulations, and the bottom panel is derived from the BAM-ZERO simulations. The left column shows RMSE on a daily scale, the middle column shows RMSE on a decennial scale, and the right column shows RMSE on a monthly scale.

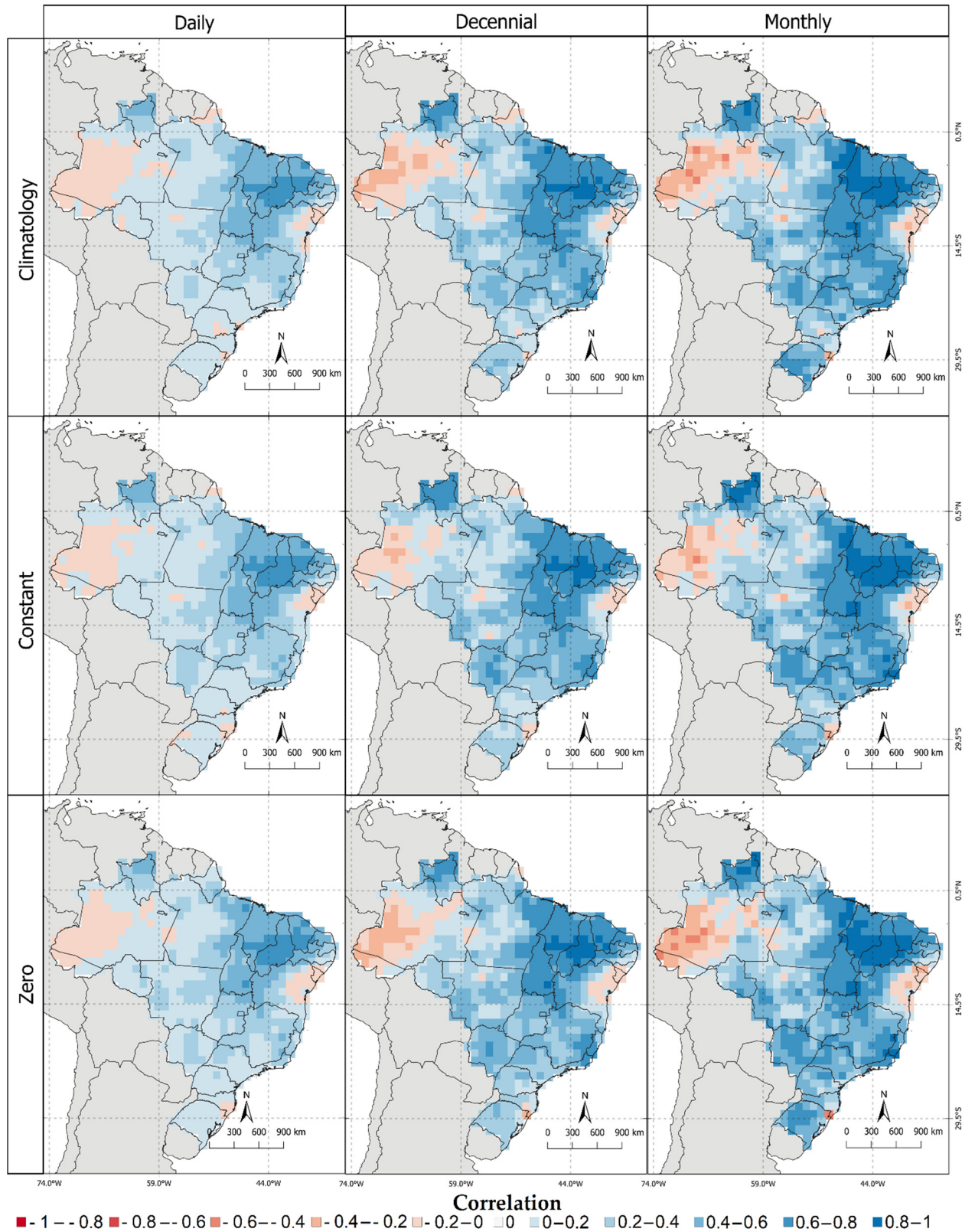


Figure S19. Correlation of wind speed. The upper panel is derived from the BAM-CLIM simulations, the middle panel is derived from the BAM-CTE simulations, and the bottom panel is derived from the BAM-ZERO simulations. The left column shows correlation on a daily scale, the middle column shows correlation on a decennial scale, and the right column shows correlation on a monthly scale.

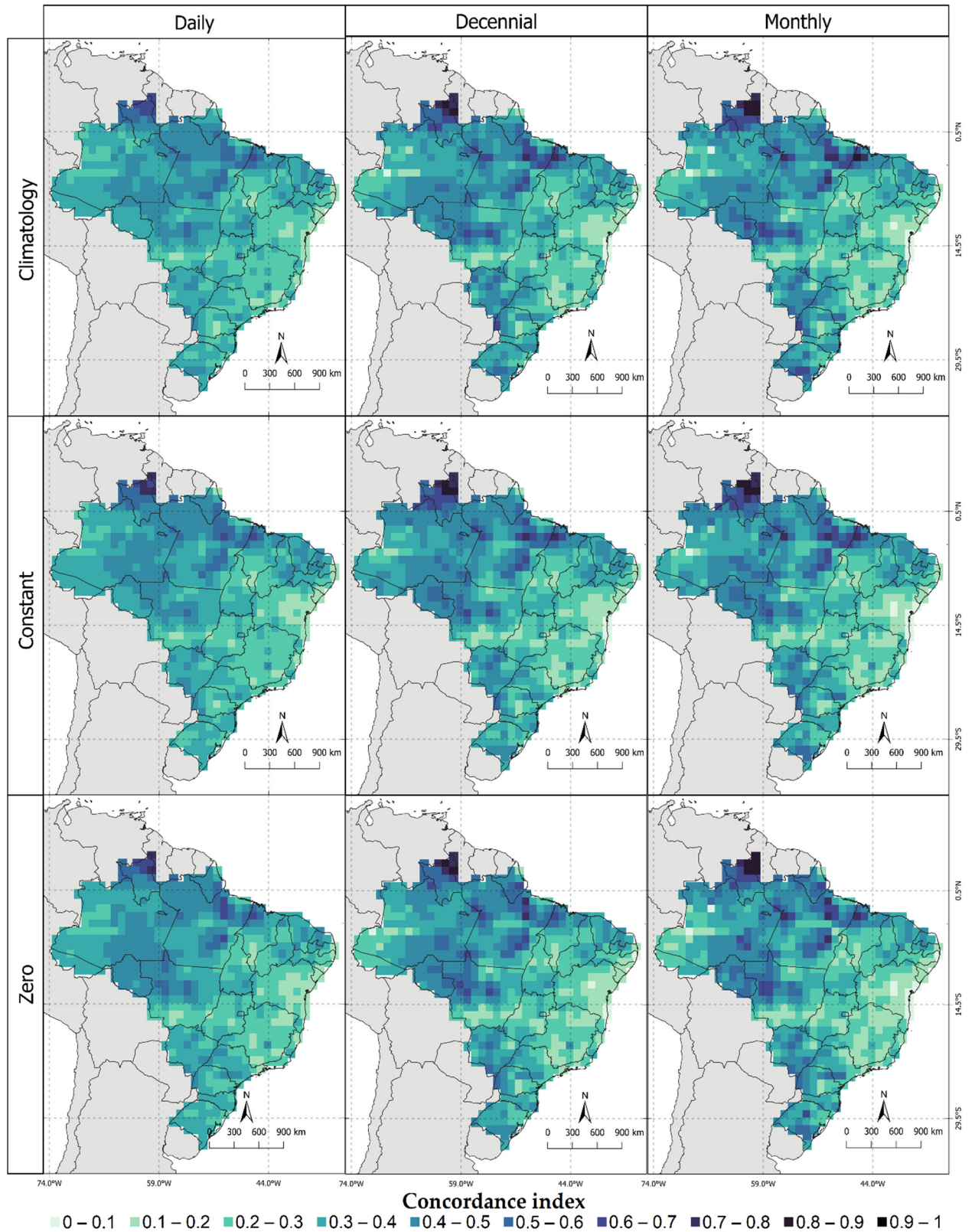


Figure S20. Wind speed CI. The upper panel is derived from the BAM-CLIM simulations, the middle panel is derived from the BAM-CTE simulations, and the bottom panel is derived from the BAM-ZERO simulations. The left column shows CI on a daily scale, the middle column shows CI on a decennial scale, and the right column shows CI on a monthly scale.