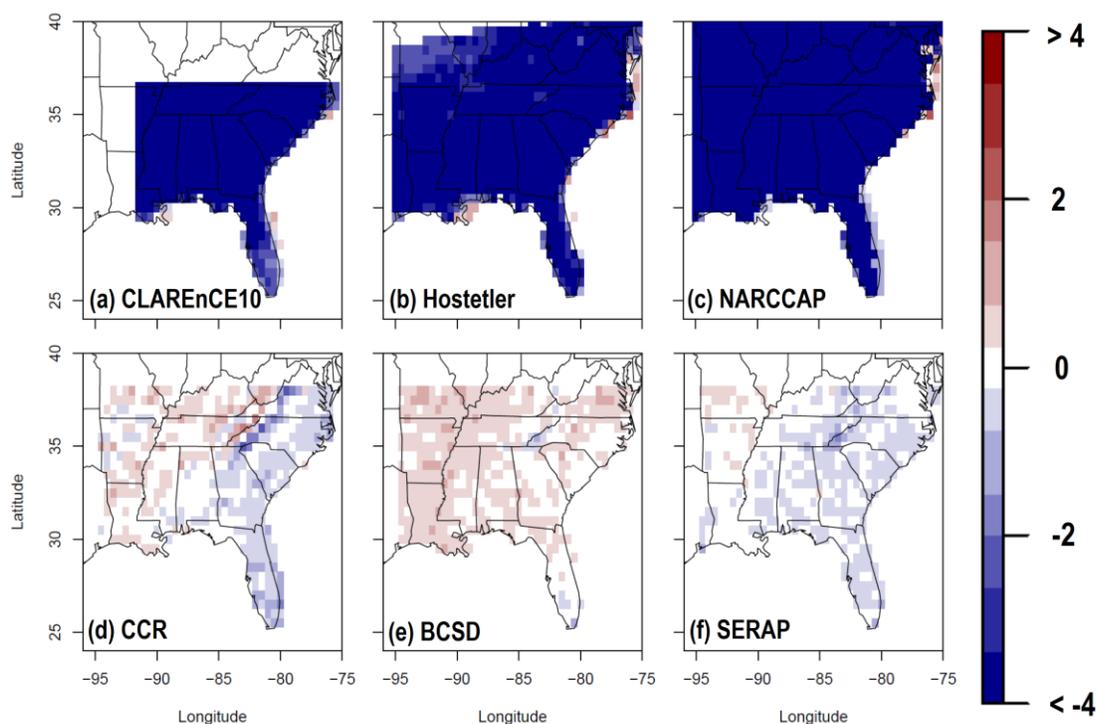


Appendix 2 – Bias and Standard Deviation Difference Maps 50 and 15 km

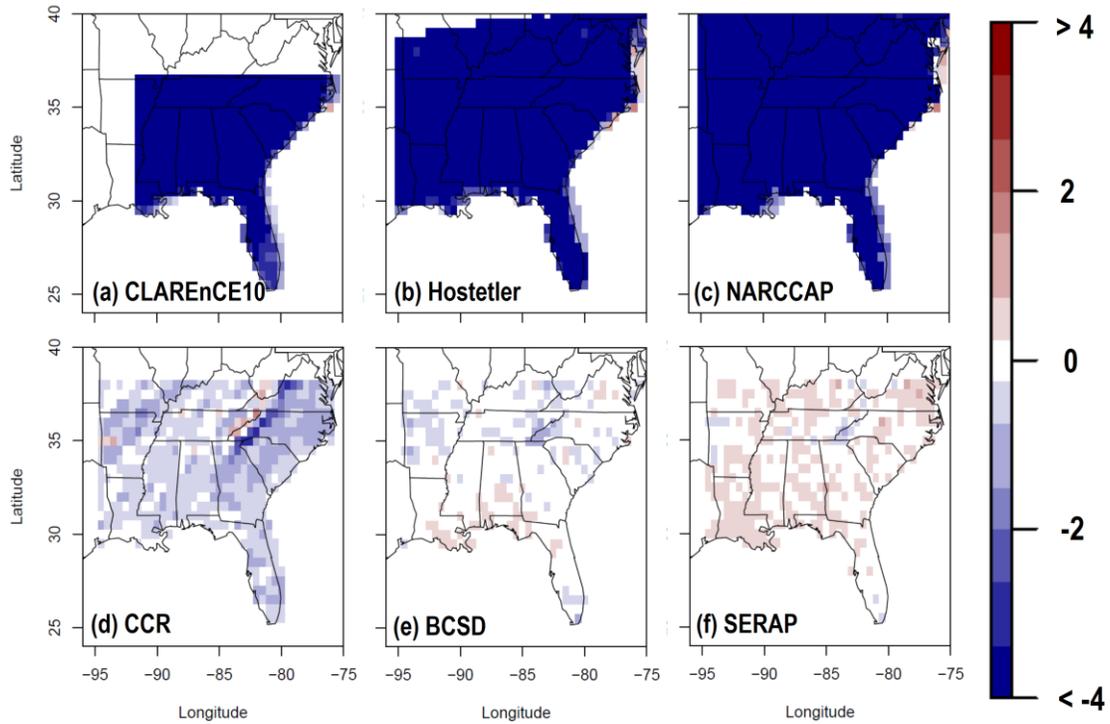
Resolutions

In Chapters 3 and 4, the bias and standard deviation difference were used with 50 km resolution maps as part of the discussion of downscaled datasets across the Southeast U.S. In this appendix, both 50 km and 15 km resolution maps are shown for the bias and standard deviation difference from monthly temperature and precipitation for each month across the domain.

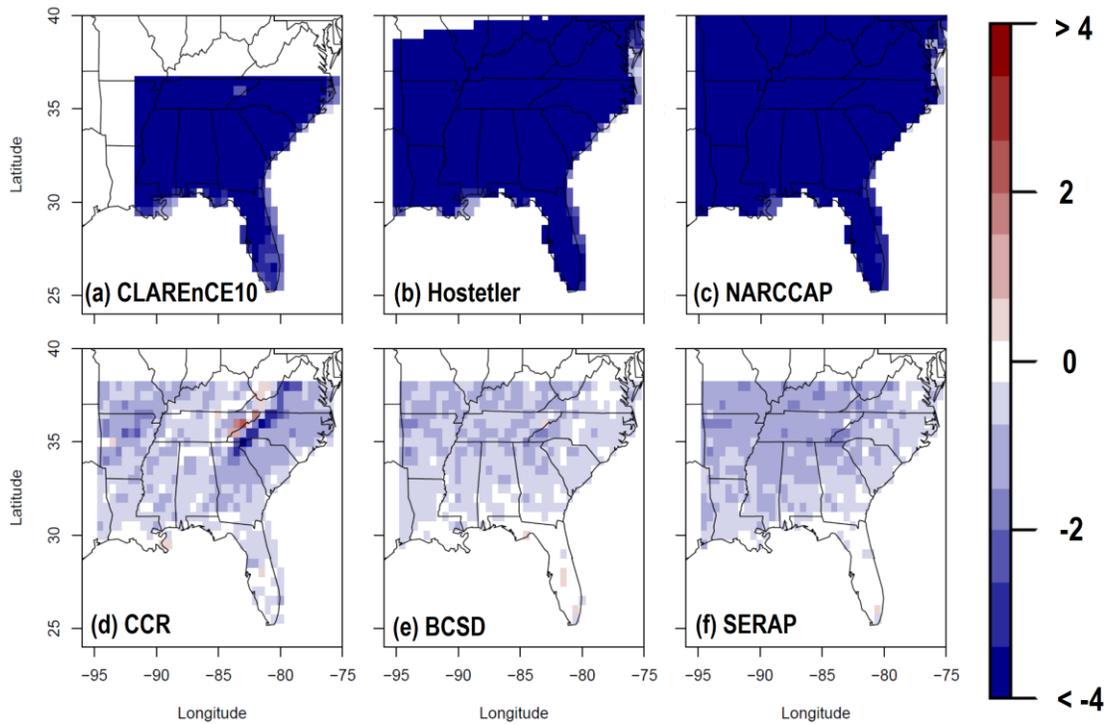
Bias for Average Monthly Temperature – 50 km



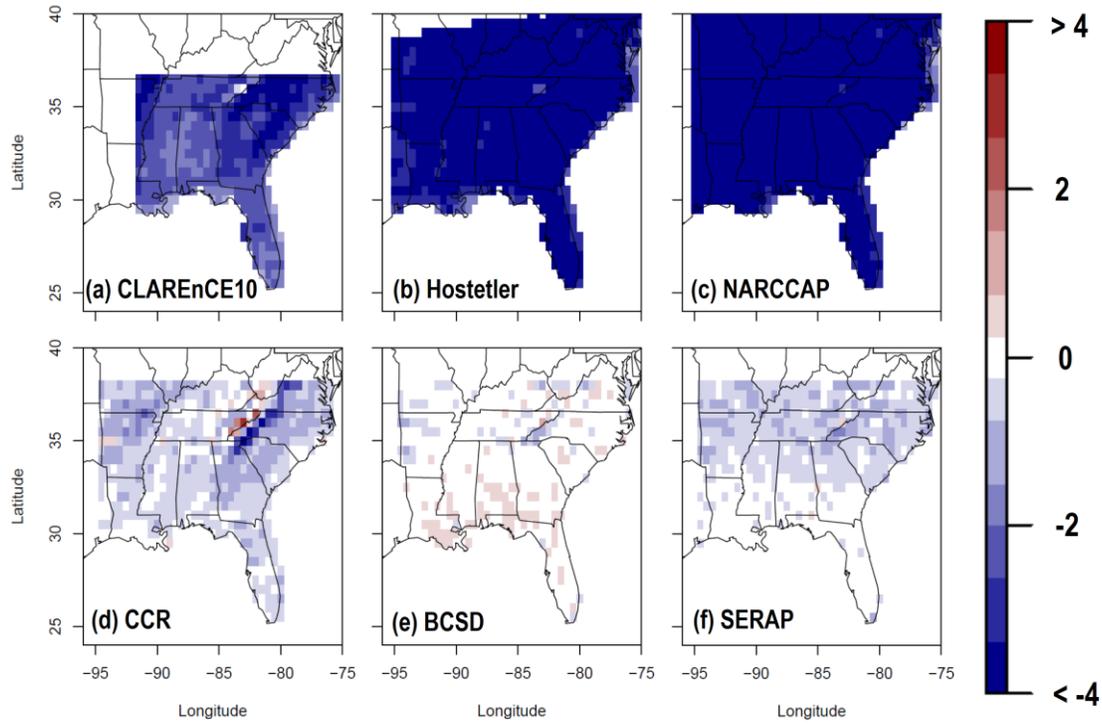
January Bias for Average Monthly Temperature ($^{\circ}\text{C}$) at 50 km resolution for (a) CLAREnCE10, (b) Hostetler, (c) NARCCAP, (d) CCR, (e) BCSD, and (f) SERAP.



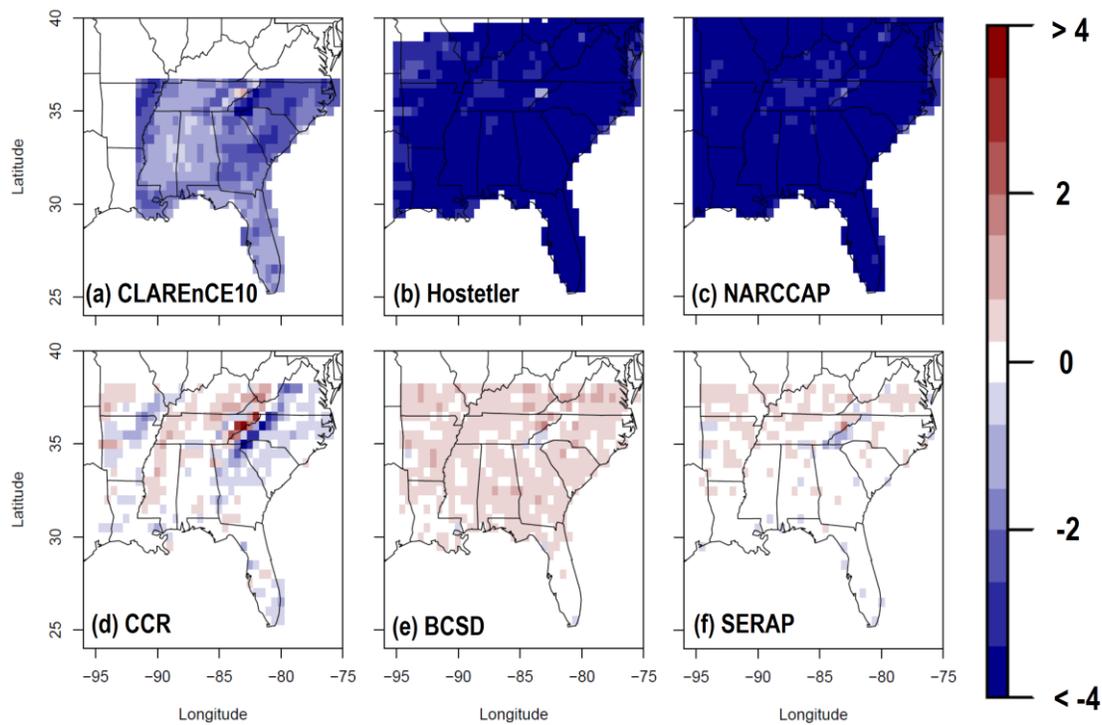
February Bias for Average Monthly Temperature ($^{\circ}\text{C}$) at 50 km resolution for (a) CLAREnCE10, (b) Hostetler, (c) NARCCAP, (d) CCR, (e) BCSD, and (f) SERAP.



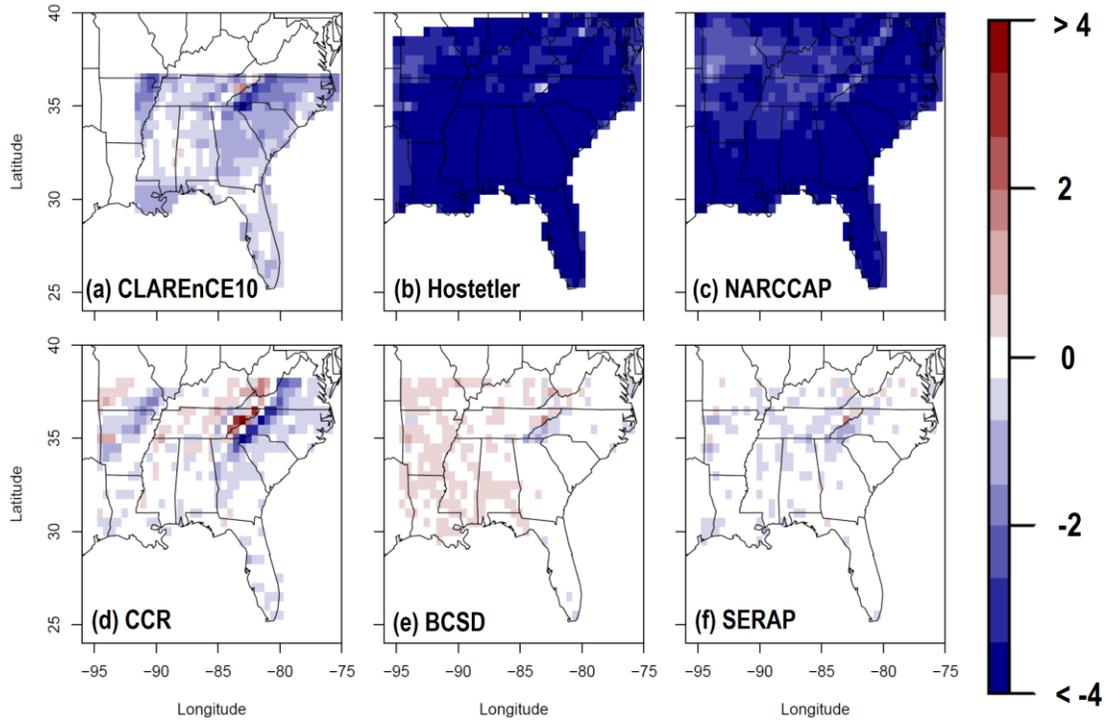
March Bias for Average Monthly Temperature ($^{\circ}\text{C}$) at 50 km resolution for (a) CLAREnCE10, (b) Hostetler, (c) NARCCAP, (d) CCR, (e) BCSD, and (f) SERAP.



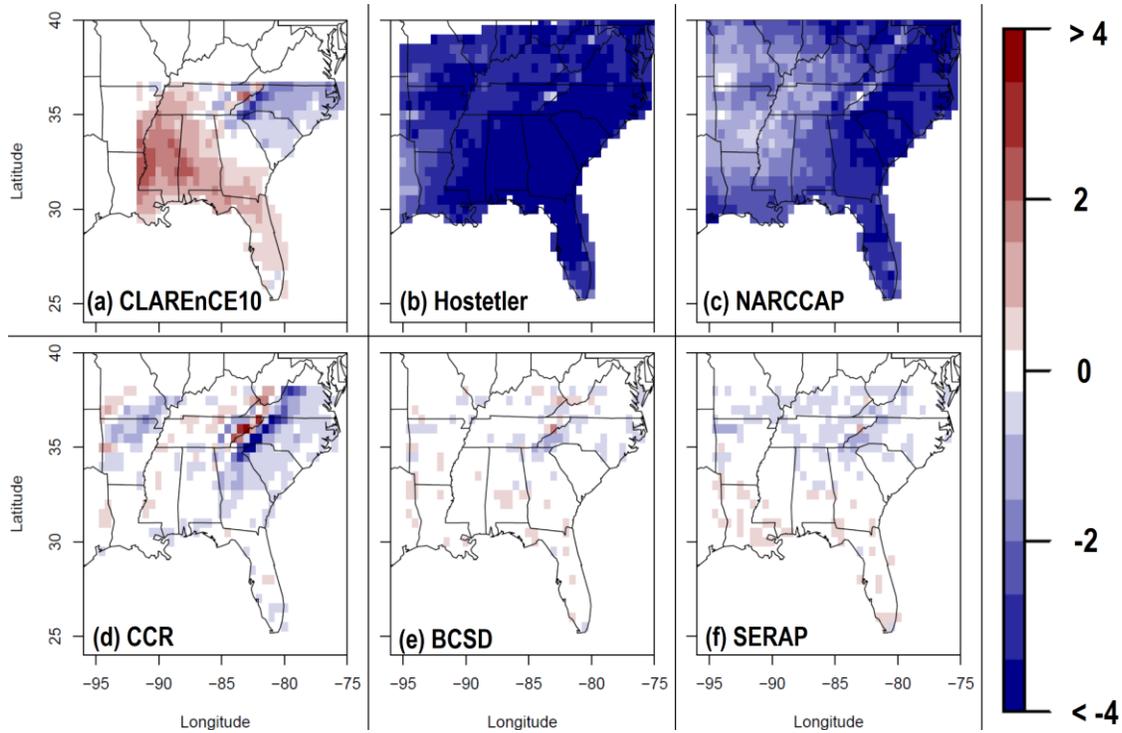
April Bias for Average Monthly Temperature ($^{\circ}\text{C}$) at 50 km resolution for (a) CLAREnCE10, (b) Hostetler, (c) NARCCAP, (d) CCR, (e) BCSD, and (f) SERAP.



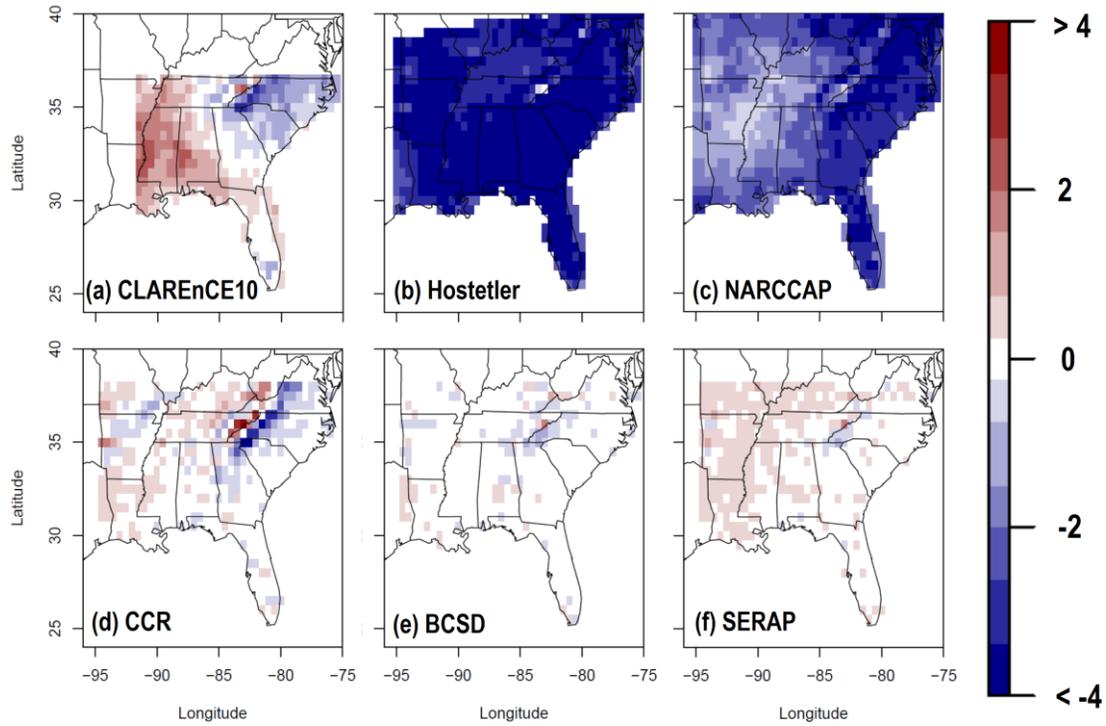
May Bias for Average Monthly Temperature ($^{\circ}\text{C}$) at 50 km resolution for (a) CLAREnCE10, (b) Hostetler, (c) NARCCAP, (d) CCR, (e) BCSD, and (f) SERAP.



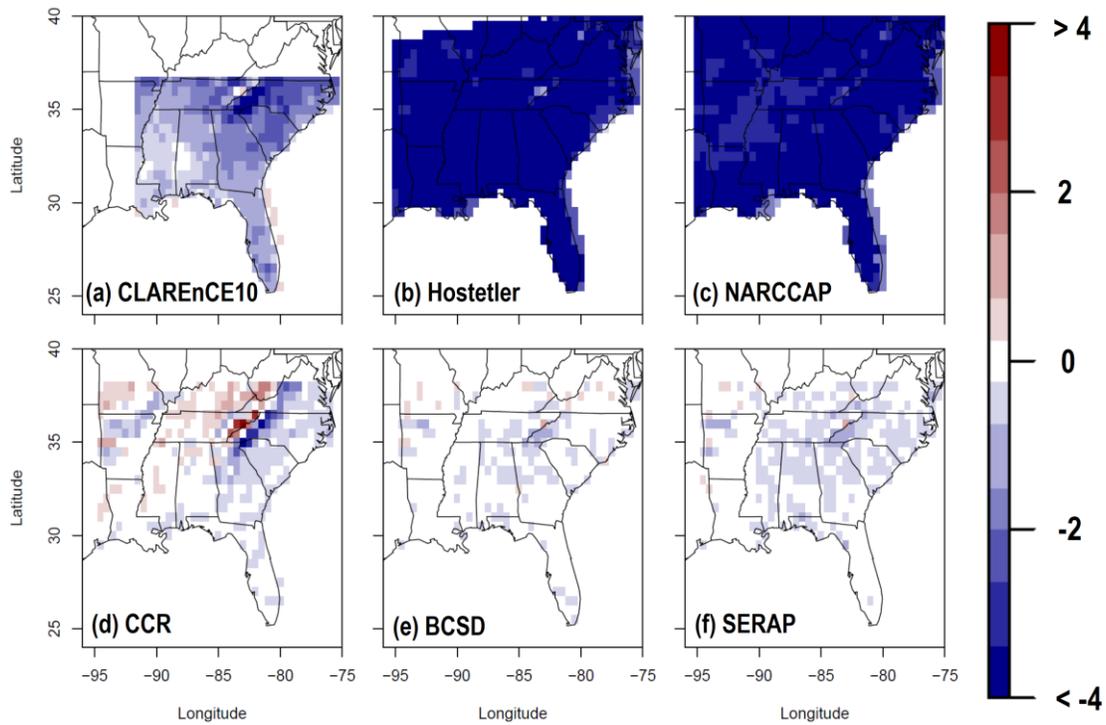
June Bias for Average Monthly Temperature ($^{\circ}\text{C}$) at 50 km resolution for (a) CLAREnCE10, (b) Hostetler, (c) NARCCAP, (d) CCR, (e) BCSD, and (f) SERAP.



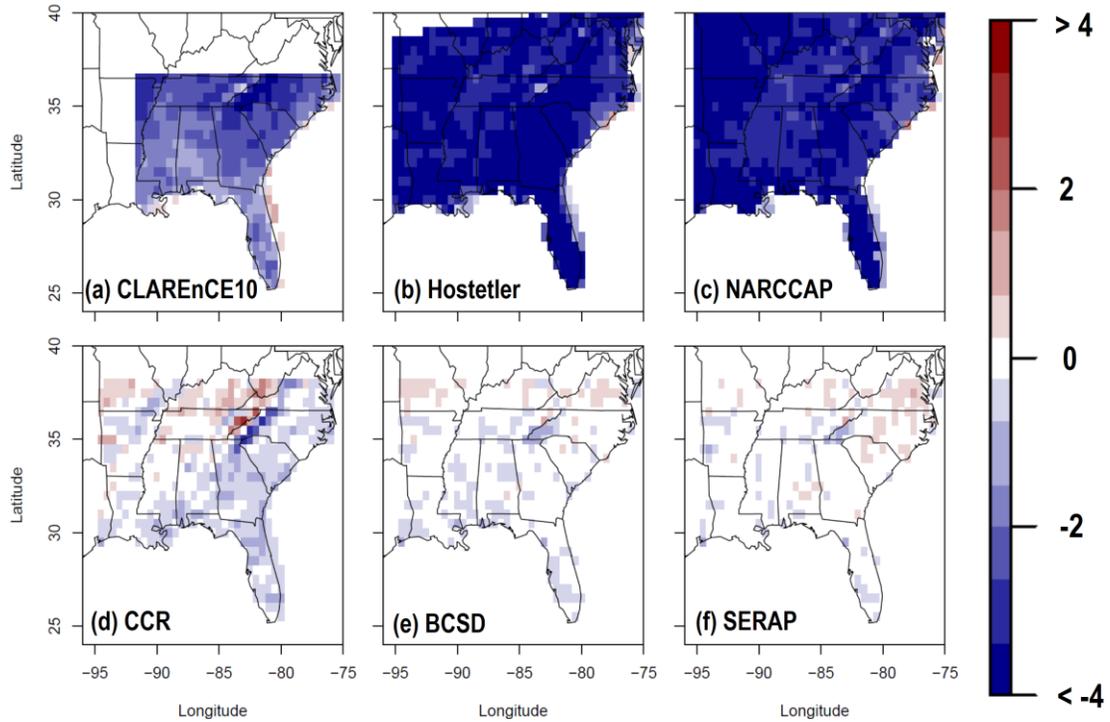
July Bias for Average Monthly Temperature ($^{\circ}\text{C}$) at 50 km resolution for (a) CLAREnCE10, (b) Hostetler, (c) NARCCAP, (d) CCR, (e) BCSD, and (f) SERAP.



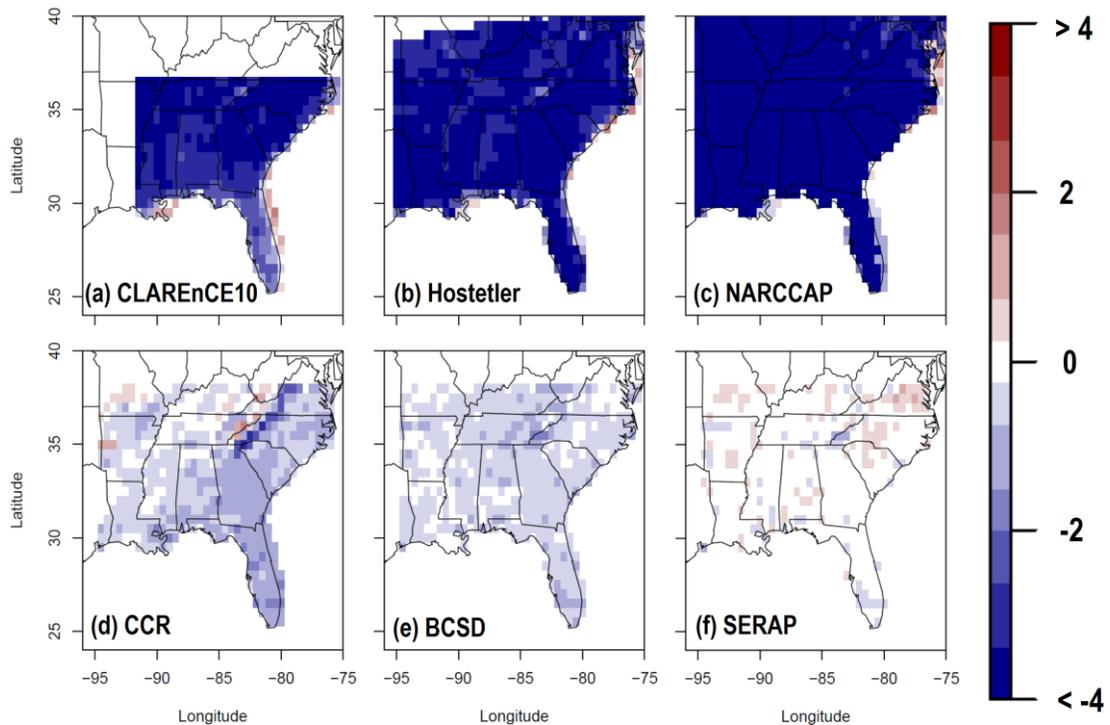
August Bias for Average Monthly Temperature ($^{\circ}\text{C}$) at 50 km resolution for (a) CLAREnCE10, (b) Hostetler, (c) NARCCAP, (d) CCR, (e) BCSD, and (f) SERAP.



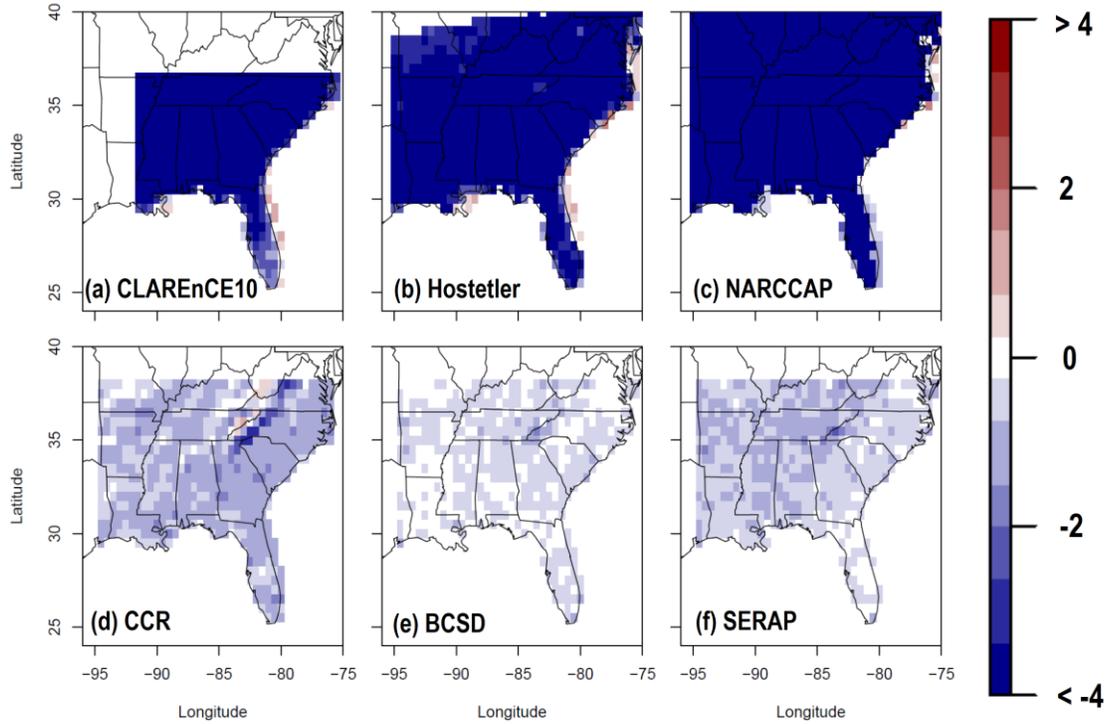
September Bias for Average Monthly Temperature ($^{\circ}\text{C}$) at 50 km resolution for (a) CLAREnCE10, (b) Hostetler, (c) NARCCAP, (d) CCR, (e) BCSD, and (f) SERAP.



October Bias for Average Monthly Temperature ($^{\circ}\text{C}$) at 50 km resolution for (a) CLAREnCE10, (b) Hostetler, (c) NARCCAP, (d) CCR, (e) BCSD, and (f) SERAP.

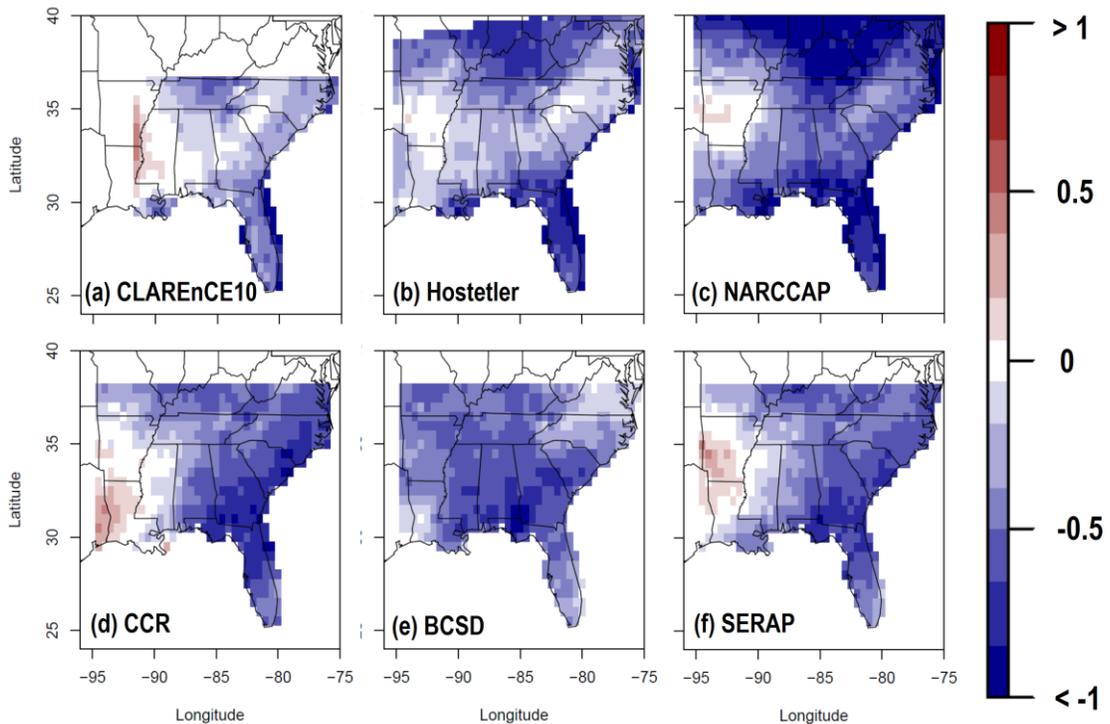


November Bias for Average Monthly Temperature ($^{\circ}\text{C}$) at 50 km resolution for (a) CLAREnCE10, (b) Hostetler, (c) NARCCAP, (d) CCR, (e) BCSD, and (f) SERAP.

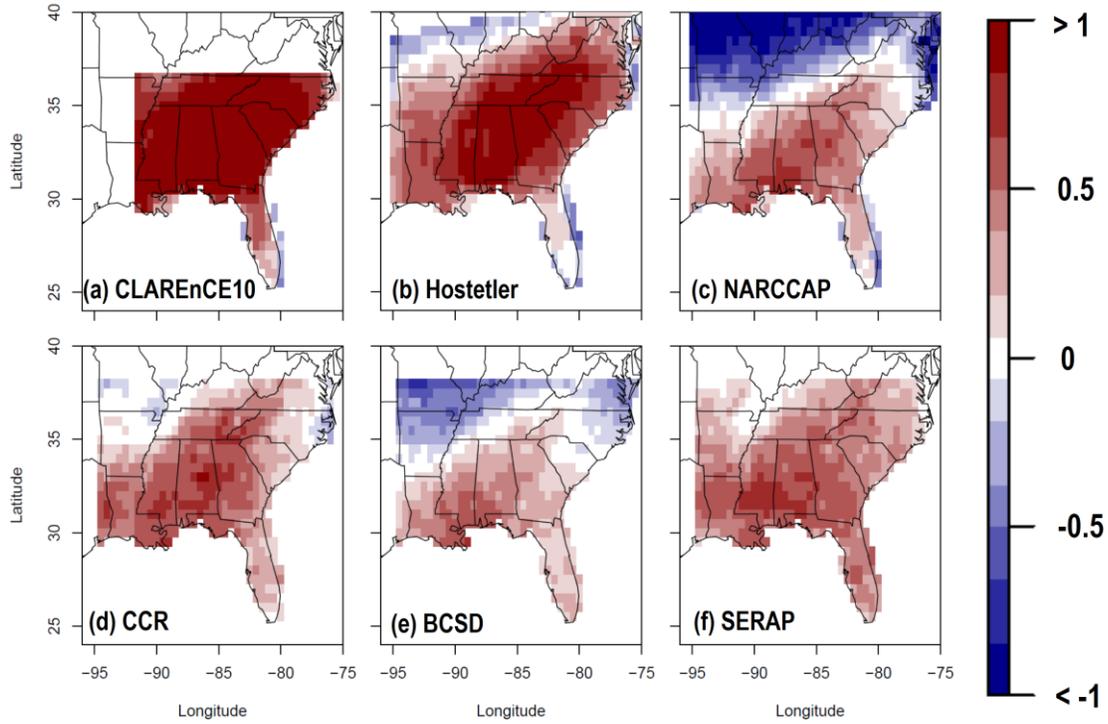


December Bias for Average Monthly Temperature ($^{\circ}\text{C}$) at 50 km resolution for (a) CLAREnCE10, (b) Hostetler, (c) NARCCAP, (d) CCR, (e) BCSD, and (f) SERAP.

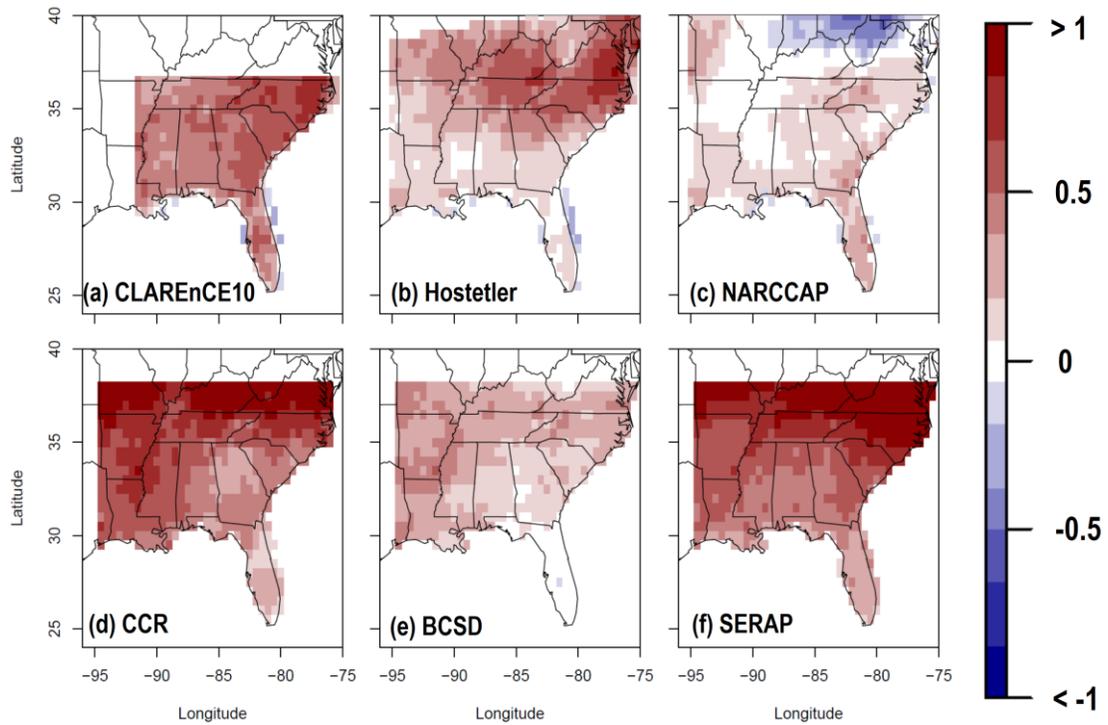
Standard Deviation Difference for Average Monthly Temperatures – 50 km



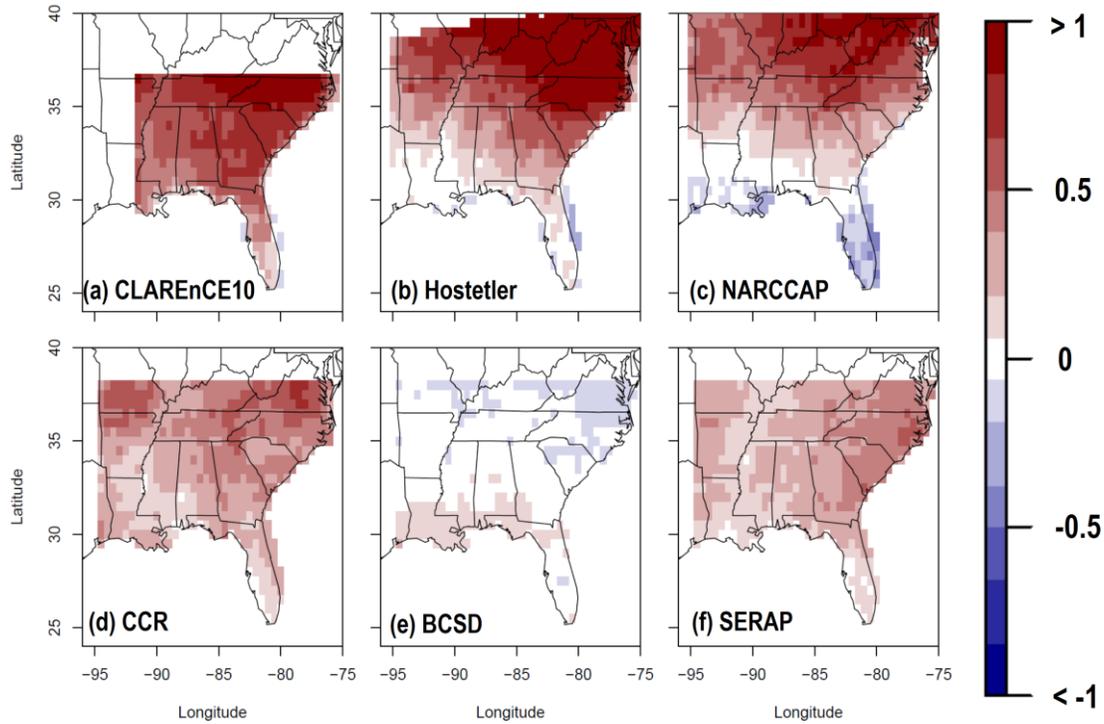
January Standard Deviation Difference for Monthly Temperatures ($^{\circ}\text{C}$) at 50 km resolution for (a) CLAREnCE10, (b) Hostetler, (c) NARCCAP, (d) CCR, (e) BCSD, and (f) SERAP.



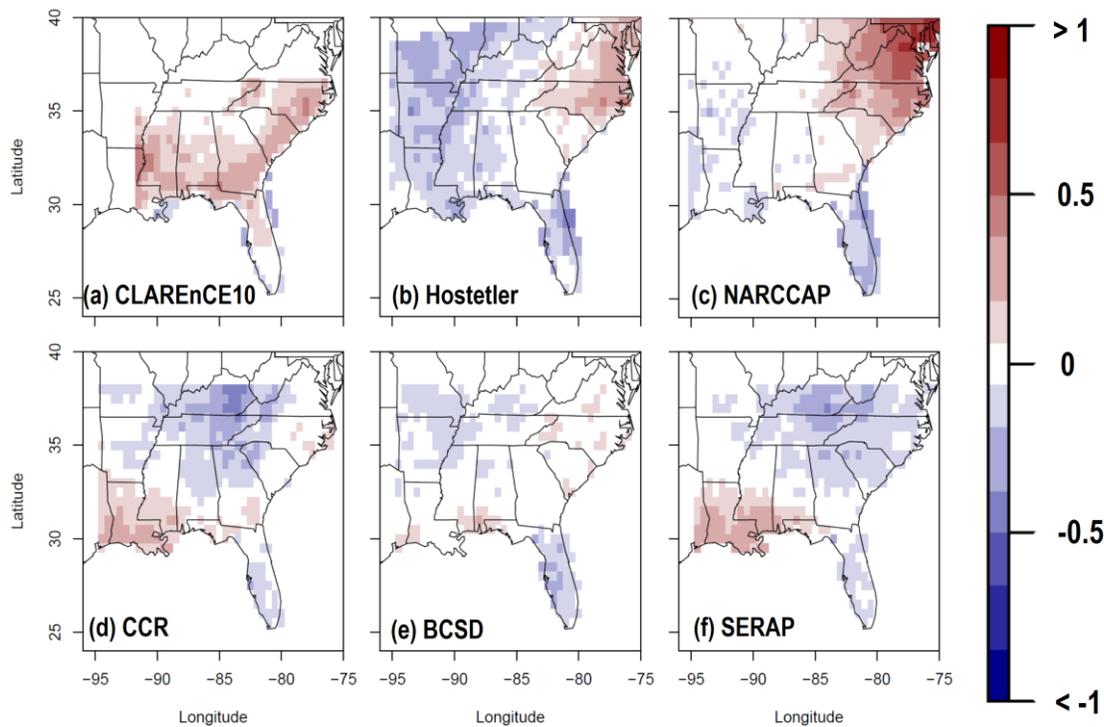
February Standard Deviation Difference for Monthly Temperatures ($^{\circ}\text{C}$) at 50 km resolution for (a) CLAREnCE10, (b) Hostetler, (c) NARCCAP, (d) CCR, (e) BCSD, and (f) SERAP.



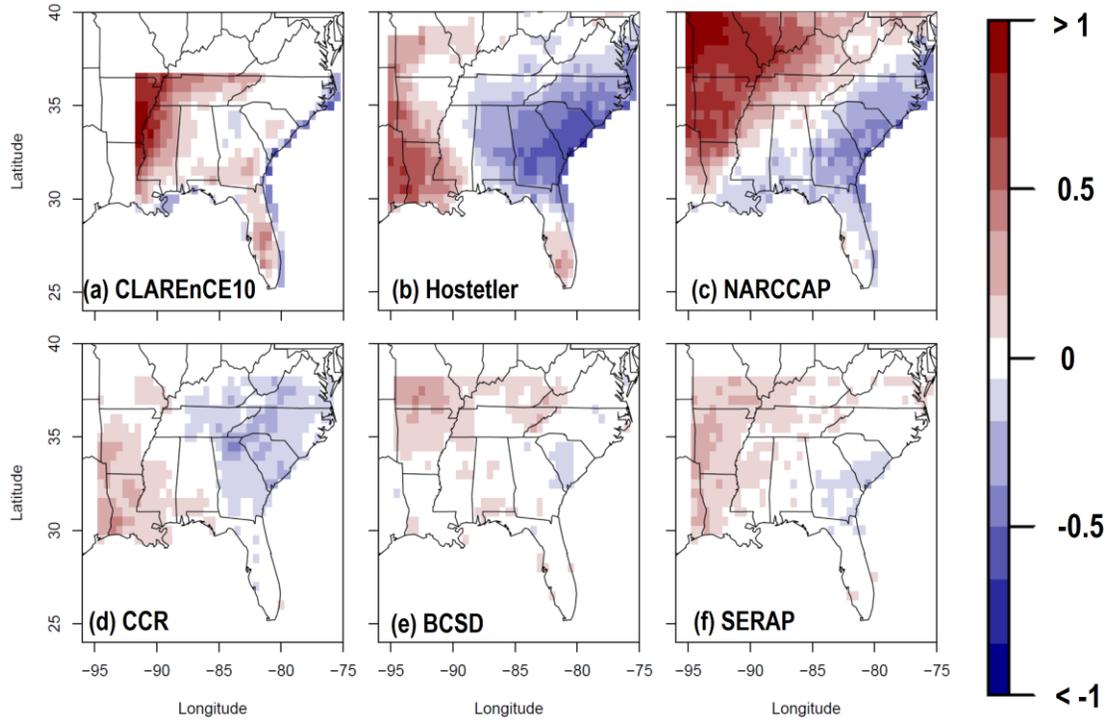
March Standard Deviation Difference for Monthly Temperatures ($^{\circ}\text{C}$) at 50 km resolution for (a) CLAREnCE10, (b) Hostetler, (c) NARCCAP, (d) CCR, (e) BCSD, and (f) SERAP.



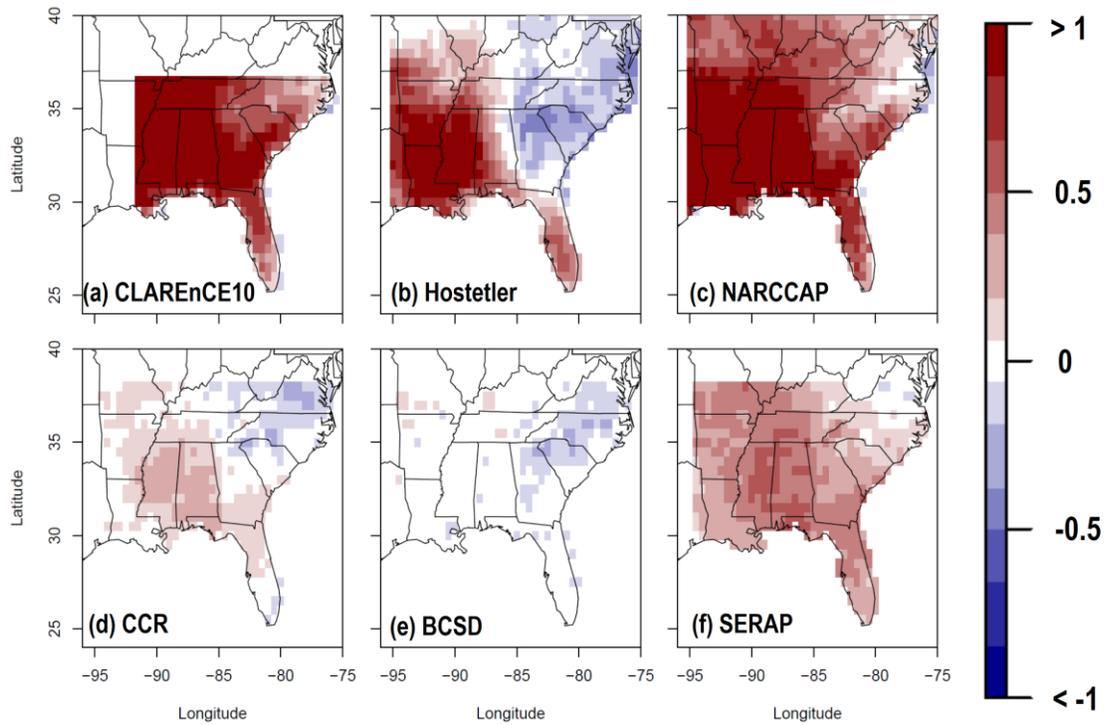
April Standard Deviation Difference for Monthly Temperatures ($^{\circ}\text{C}$) at 50 km resolution for (a) CLAREnCE10, (b) Hostetler, (c) NARCCAP, (d) CCR, (e) BCSD, and (f) SERAP.



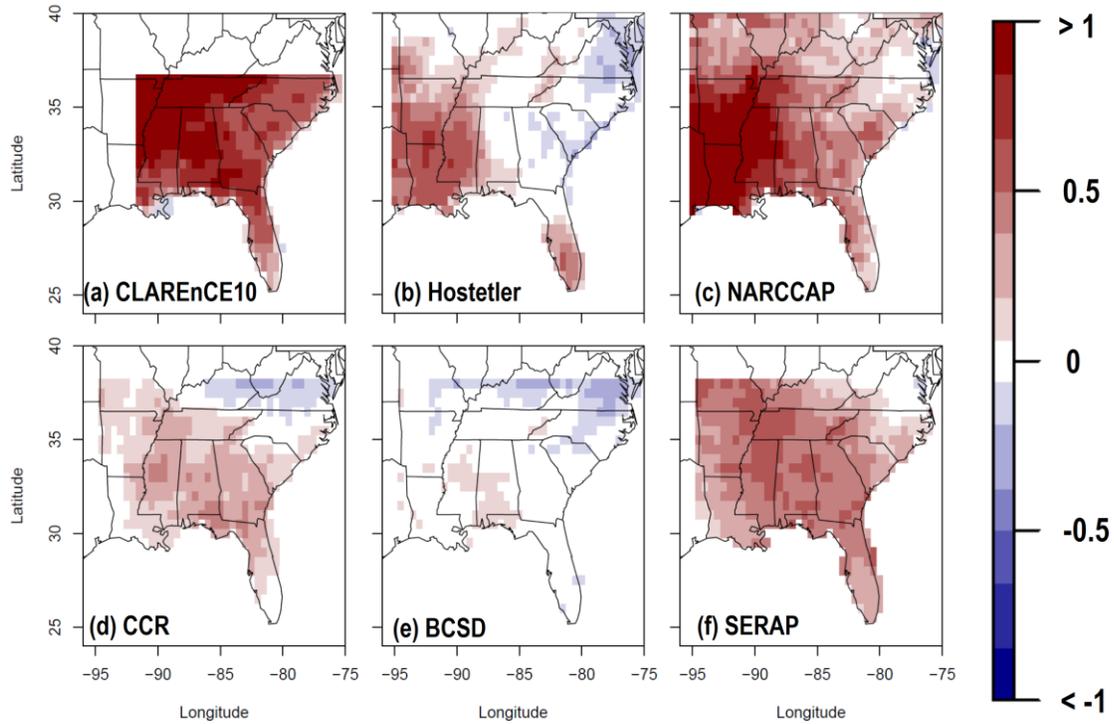
May Standard Deviation Difference for Monthly Temperatures ($^{\circ}\text{C}$) at 50 km resolution for (a) CLAREnCE10, (b) Hostetler, (c) NARCCAP, (d) CCR, (e) BCSD, and (f) SERAP.



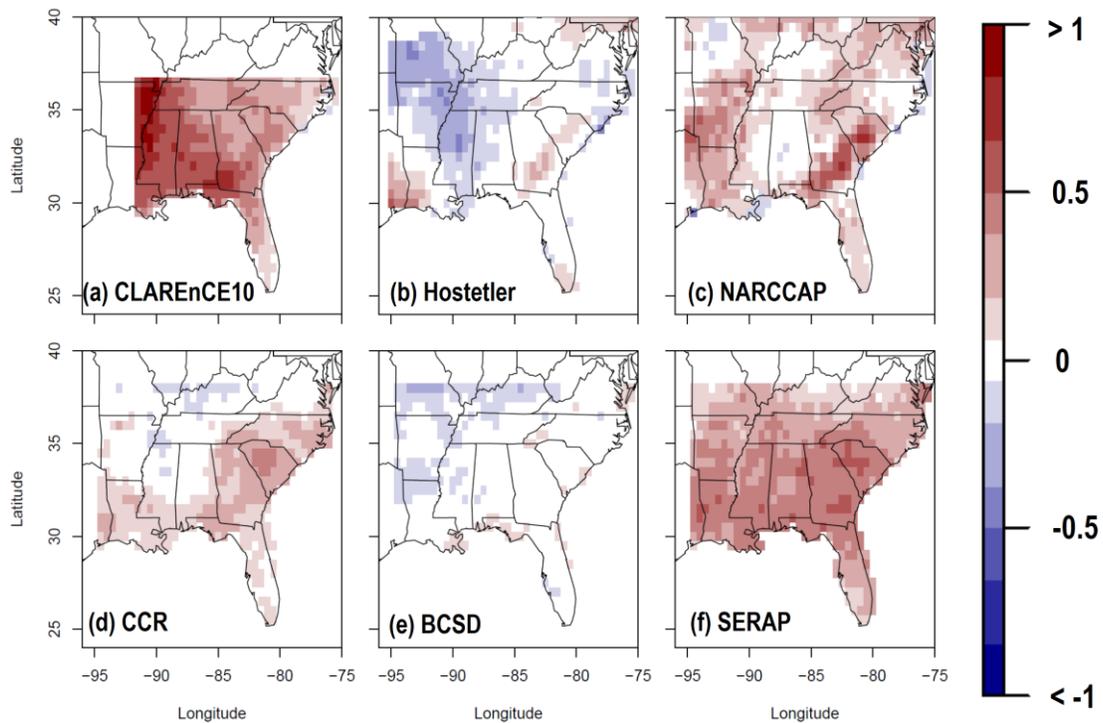
June Standard Deviation Difference for Monthly Temperatures ($^{\circ}\text{C}$) at 50 km resolution for (a) CLAREnCE10, (b) Hostetler, (c) NARCCAP, (d) CCR, (e) BCSD, and (f) SERAP.



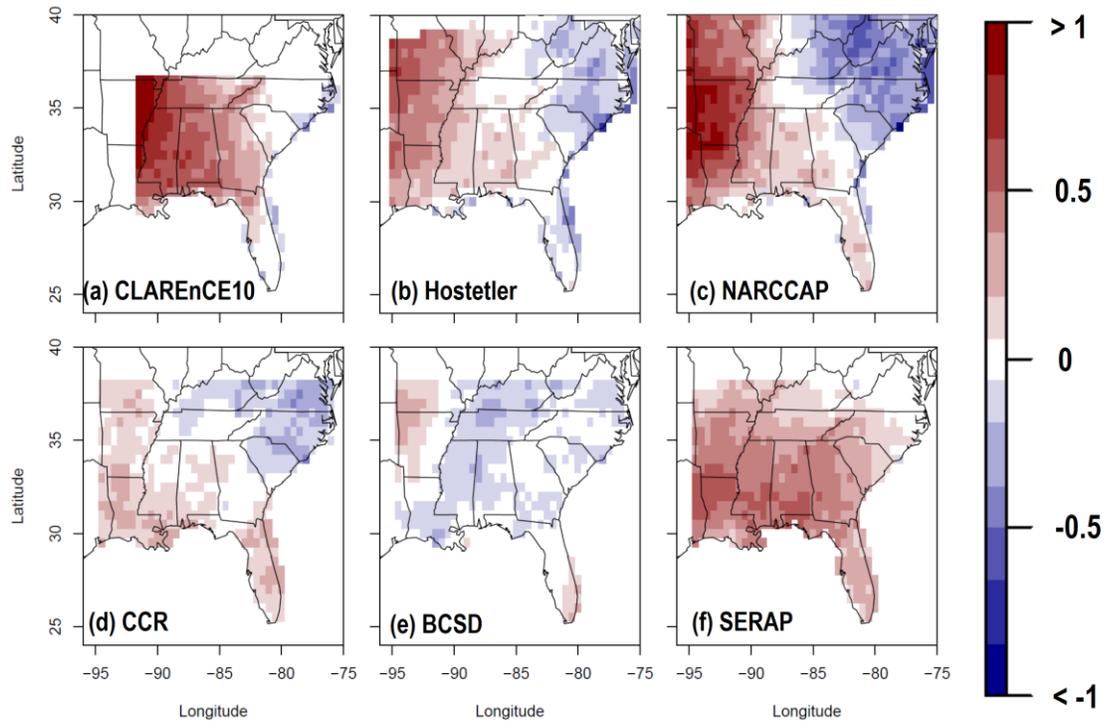
July Standard Deviation Difference for Monthly Temperatures ($^{\circ}\text{C}$) at 50 km resolution for (a) CLAREnCE10, (b) Hostetler, (c) NARCCAP, (d) CCR, (e) BCSD, and (f) SERAP.



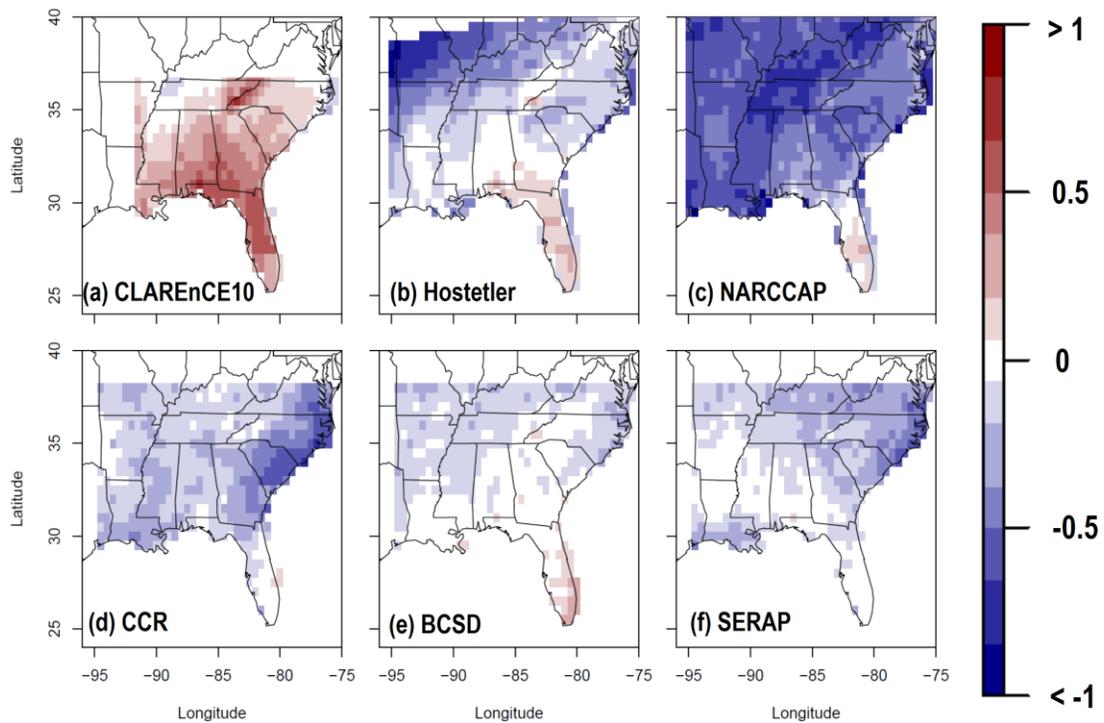
August Standard Deviation Difference for Monthly Temperatures ($^{\circ}\text{C}$) at 50 km resolution for (a) CLAREnCE10, (b) Hostetler, (c) NARCCAP, (d) CCR, (e) BCSD, and (f) SERAP.



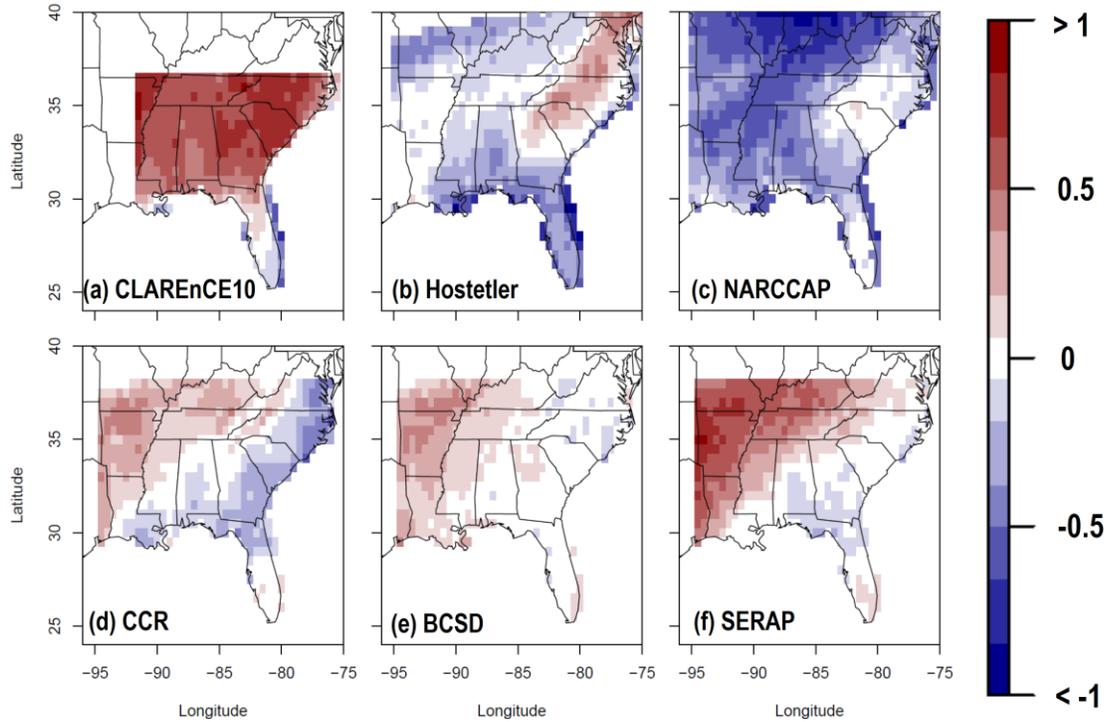
September Standard Deviation Difference for Monthly Temperatures ($^{\circ}\text{C}$) at 50 km resolution for (a) CLAREnCE10, (b) Hostetler, (c) NARCCAP, (d) CCR, (e) BCSD, and (f) SERAP.



October Standard Deviation Difference for Monthly Temperatures ($^{\circ}\text{C}$) at 50 km resolution for (a) CLAREnCE10, (b) Hostetler, (c) NARCCAP, (d) CCR, (e) BCSD, and (f) SERAP.

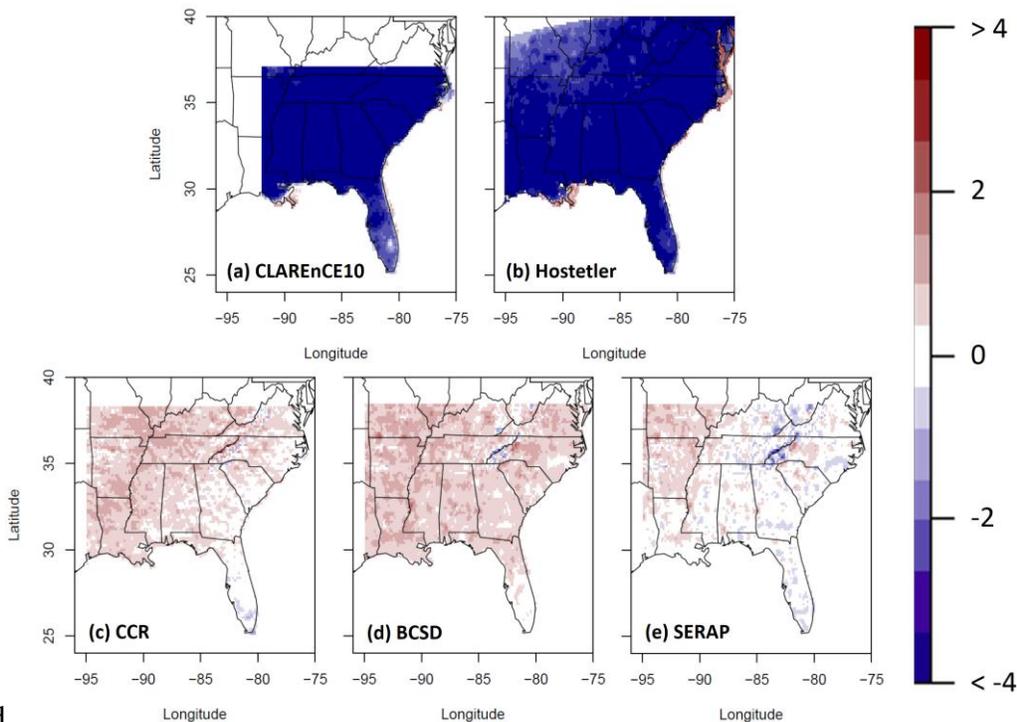


November Standard Deviation Difference for Monthly Temperatures ($^{\circ}\text{C}$) at 50 km resolution for (a) CLAREnCE10, (b) Hostetler, (c) NARCCAP, (d) CCR, (e) BCSD, and (f) SERAP.

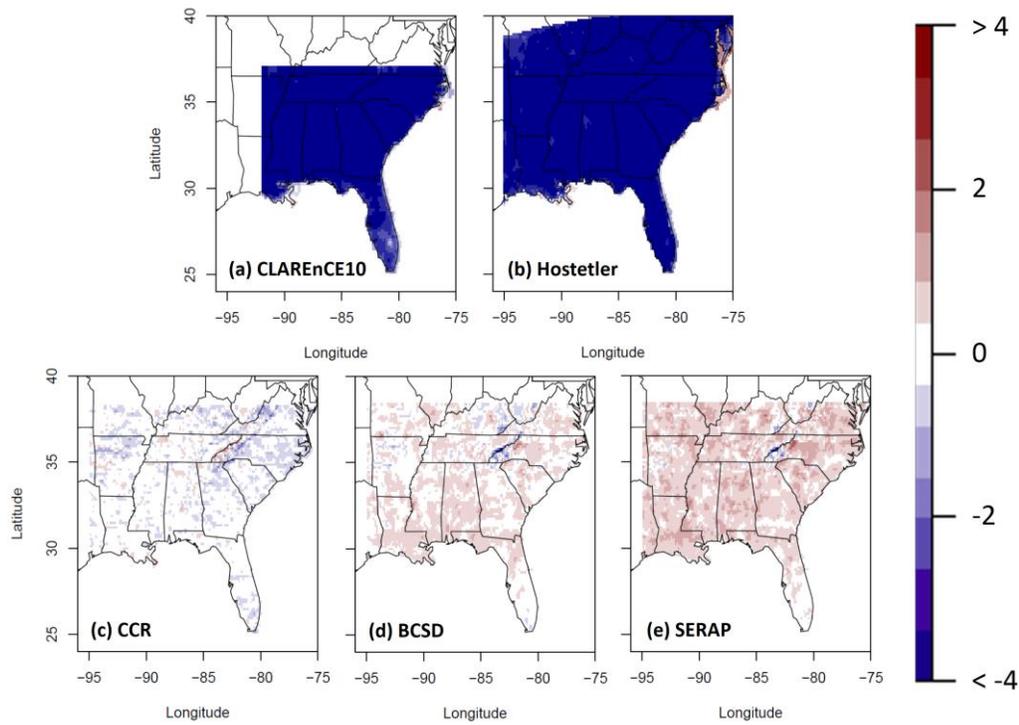


October Standard Deviation Difference for Monthly Temperatures ($^{\circ}\text{C}$) at 50 km resolution for (a) CLAREnCE10, (b) Hostetler, (c) NARCCAP, (d) CCR, (e) BCSD, and (f) SERAP.

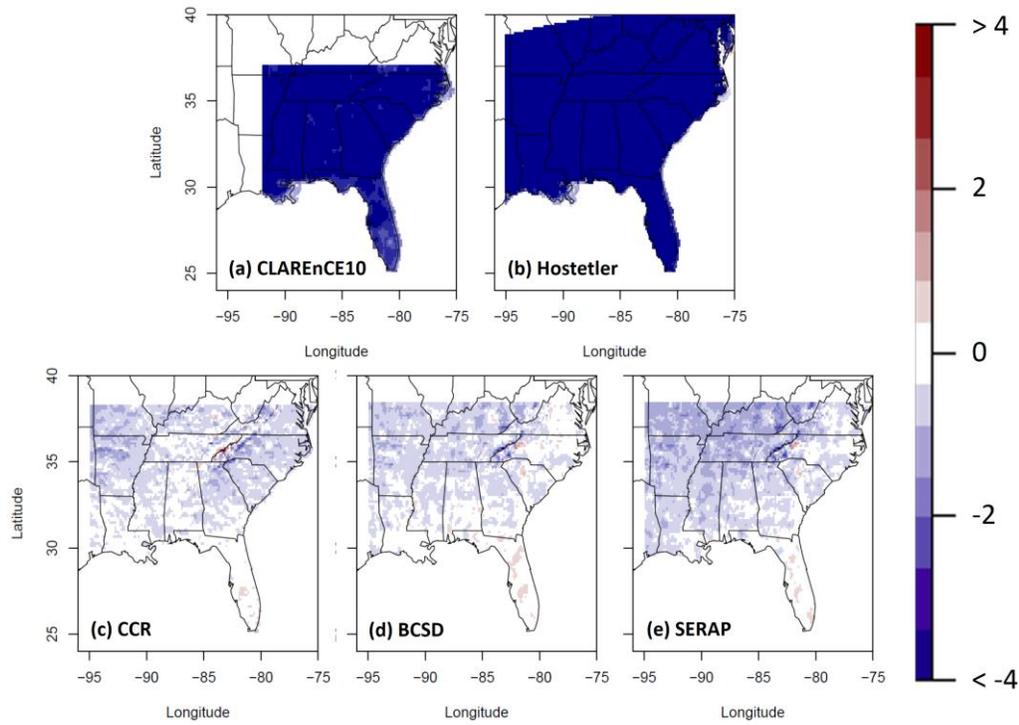
Bias for Average Monthly Temperature – 15 km



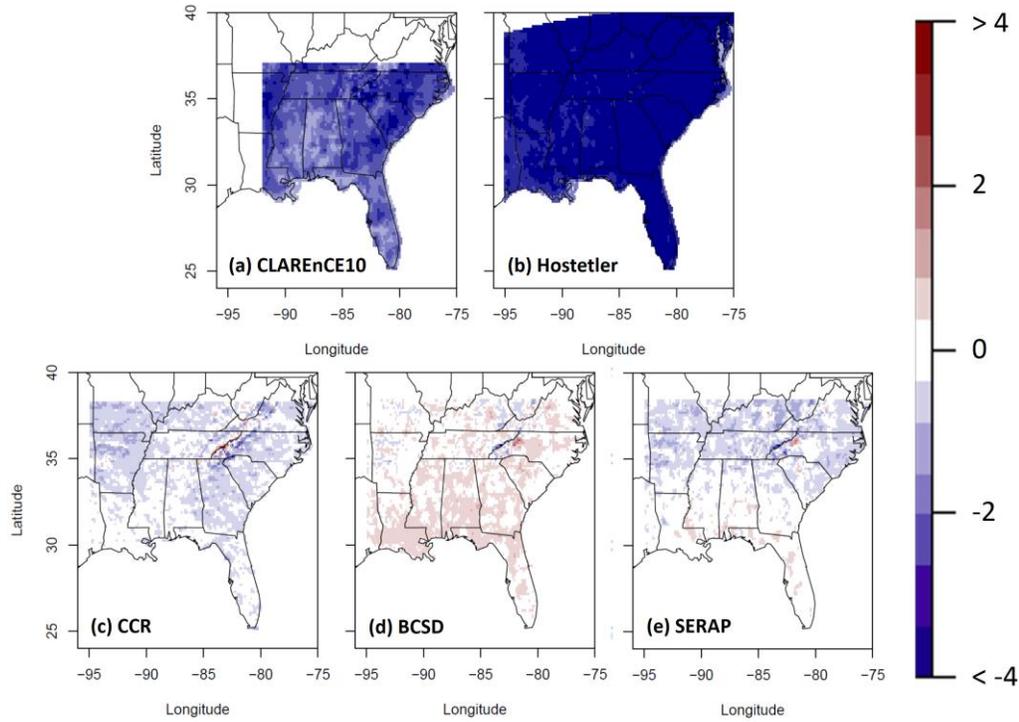
d **January Bias for Average Monthly Temperature ($^{\circ}\text{C}$) at 15 km resolution for (a) CLAREnCE10, (b) Hostetler, (c) CCR, (d) BCSD, and (e) SERAP**



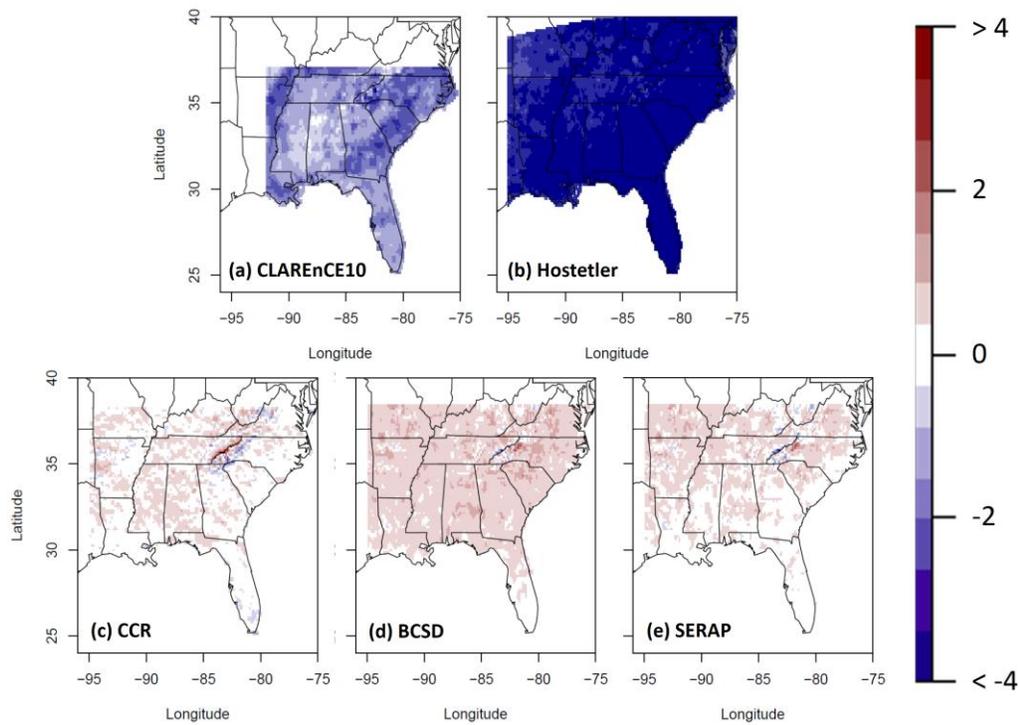
February Bias for Average Monthly Temperature ($^{\circ}\text{C}$) at 15 km resolution for (a) CLAREnCE10, (b) Hostetler, (c) CCR, (d) BCSD, and (e) SERAP



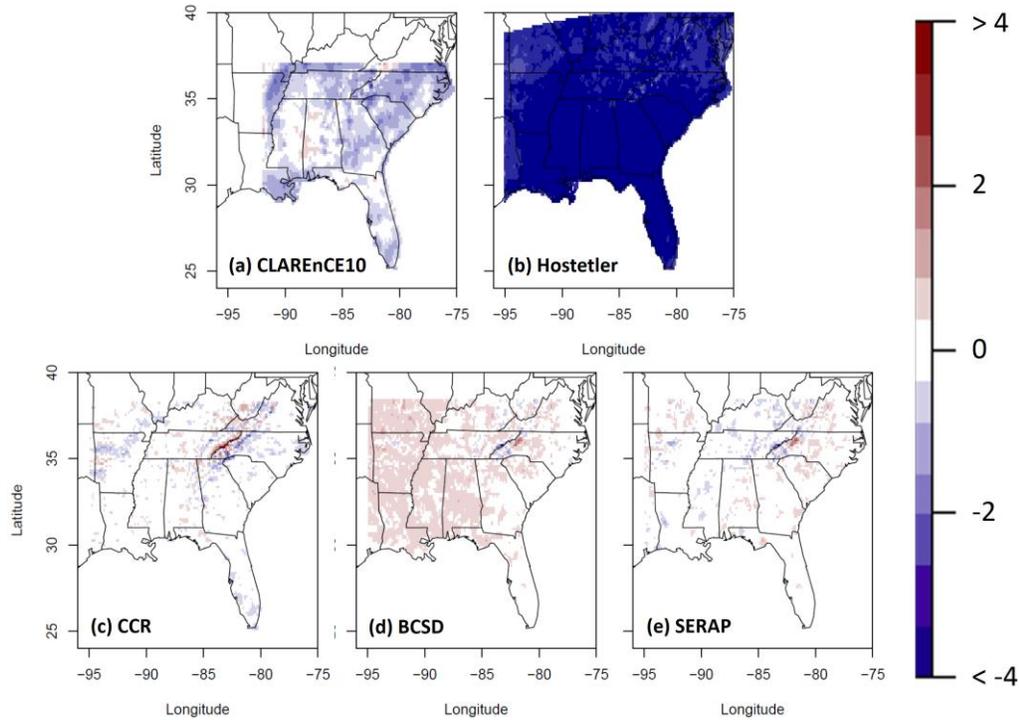
March Bias for Average Monthly Temperature ($^{\circ}\text{C}$) at 15 km resolution for (a) CLAREnCE10, (b) Hostetler, (c) CCR, (d) BCSD, and (e) SERAP



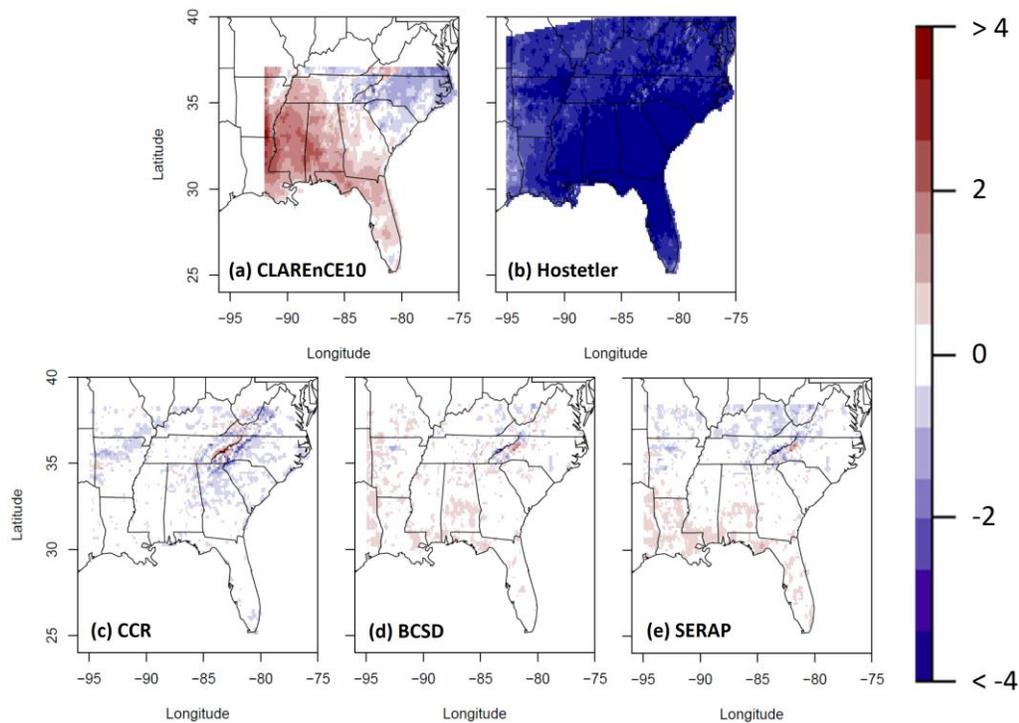
April Bias for Average Monthly Temperature ($^{\circ}\text{C}$) at 15 km resolution for (a) CLAREnCE10, (b) Hostetler, (c) CCR, (d) BCSD, and (e) SERAP



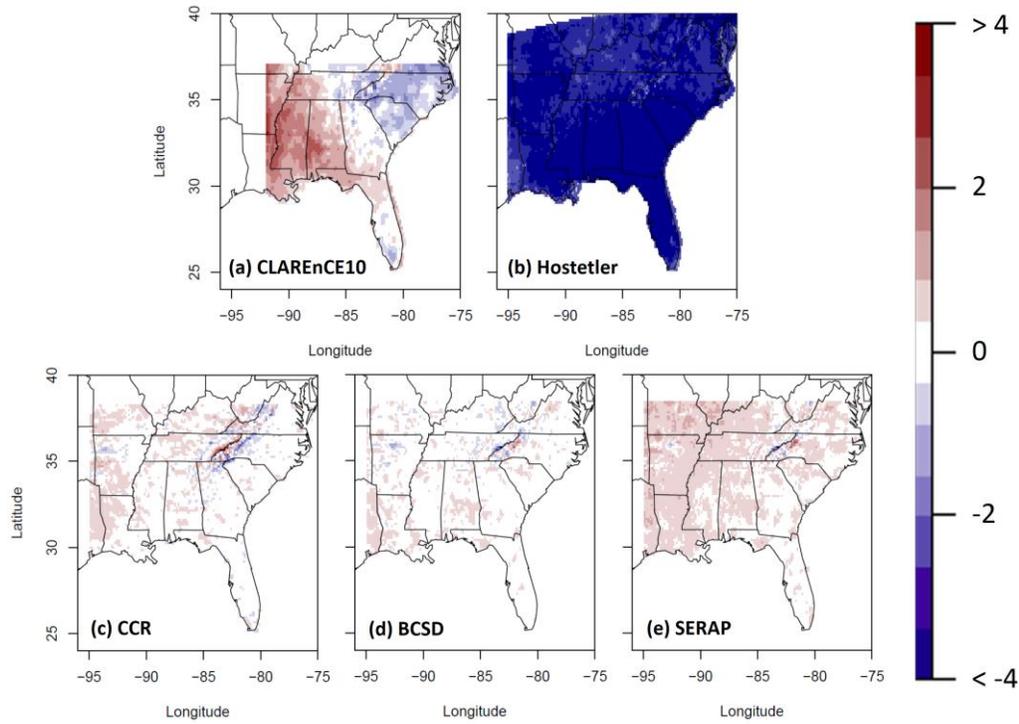
May Bias for Average Monthly Temperature ($^{\circ}\text{C}$) at 15 km resolution for (a) CLAREnCE10, (b) Hostetler, (c) CCR, (d) BCSD, and (e) SERAP



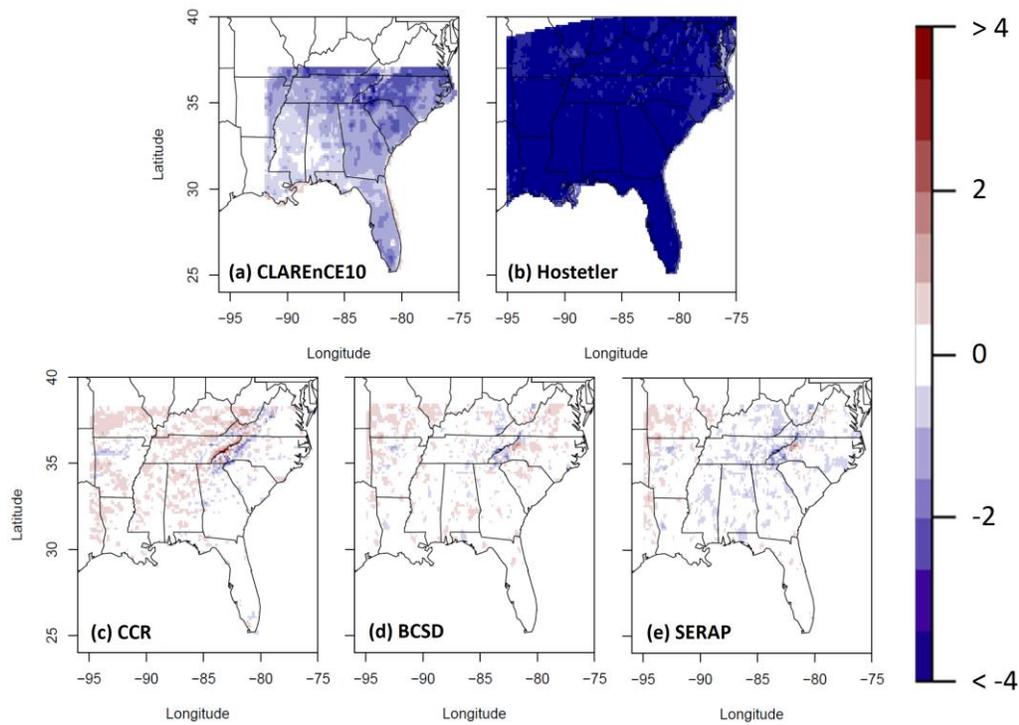
June Bias for Average Monthly Temperature ($^{\circ}\text{C}$) at 15 km resolution for (a) CLAREnCE10, (b) Hostetler, (c) CCR, (d) BCSD, and (e) SERAP



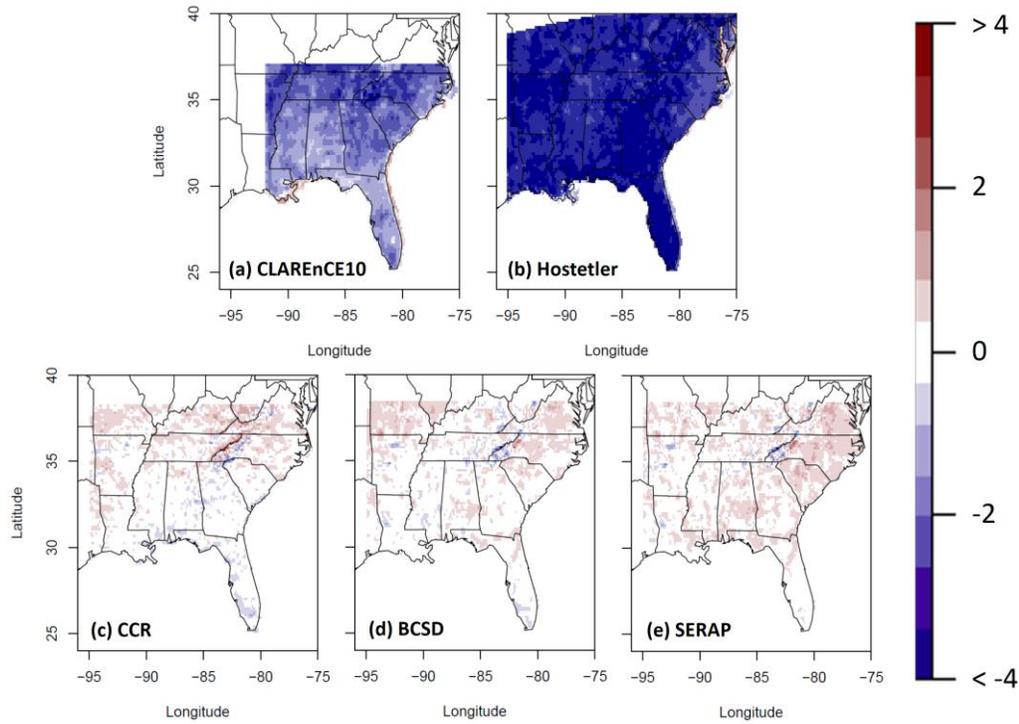
July Bias for Average Monthly Temperature ($^{\circ}\text{C}$) at 15 km resolution for (a) CLAREnCE10, (b) Hostetler, (c) CCR, (d) BCSD, and (e) SERAP



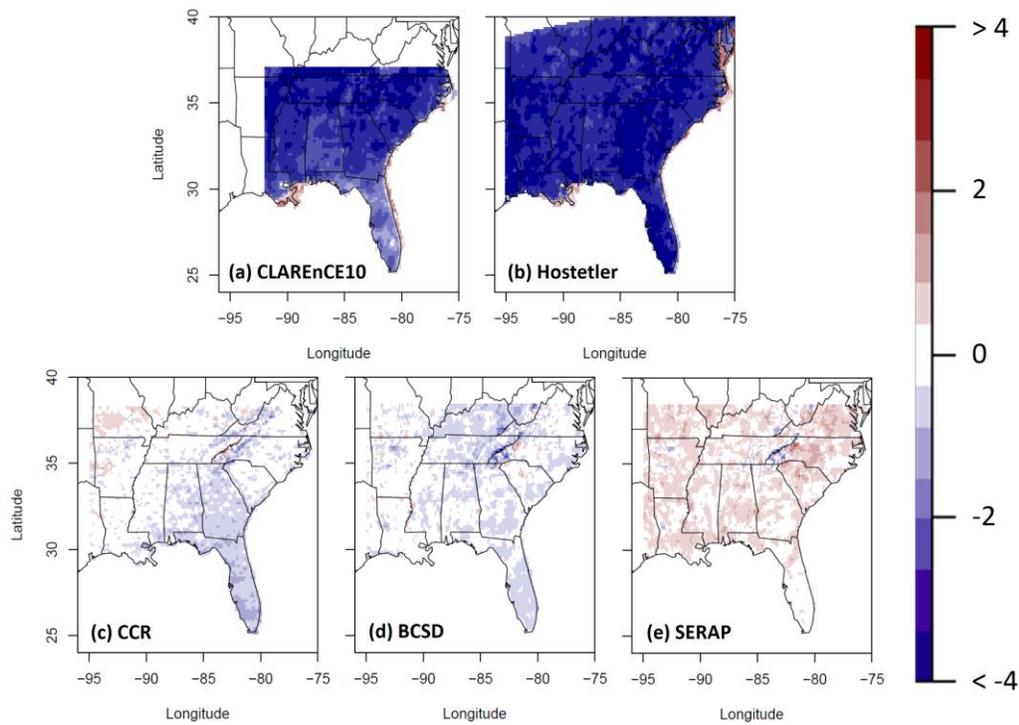
August Bias for Average Monthly Temperature ($^{\circ}\text{C}$) at 15 km resolution for (a) CLAREnCE10, (b) Hostetler, (c) CCR, (d) BCSD, and (e) SERAP



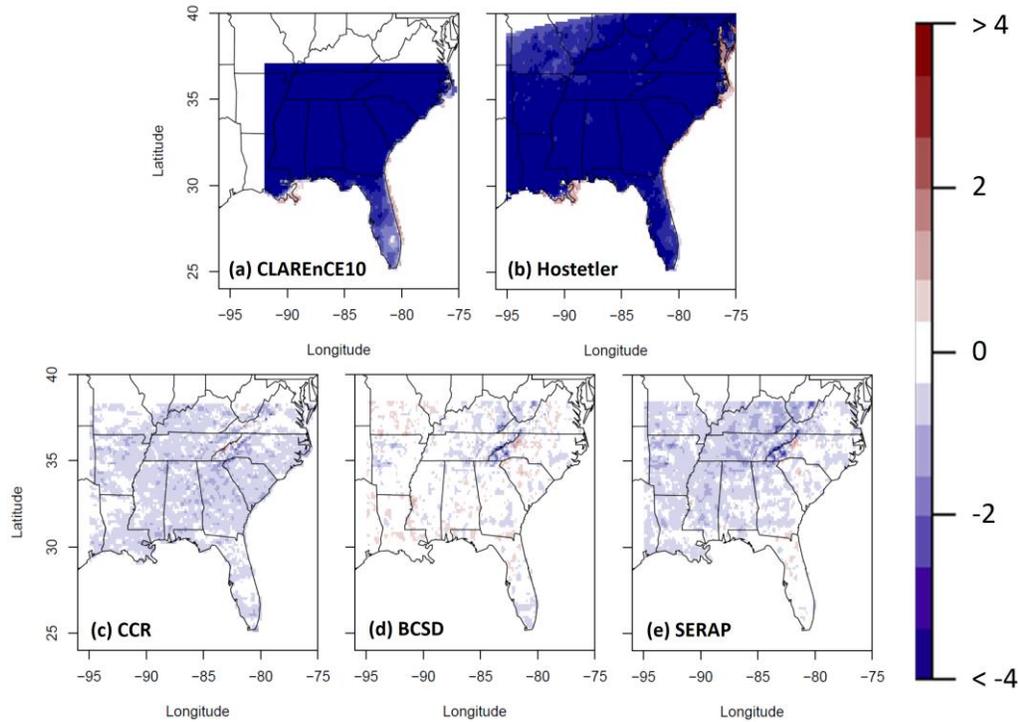
September Bias for Average Monthly Temperature ($^{\circ}\text{C}$) at 15 km resolution for (a) CLAREnCE10, (b) Hostetler, (c) CCR, (d) BCSD, and (e) SERAP



October Bias for Average Monthly Temperature ($^{\circ}\text{C}$) at 15 km resolution for (a) CLAREnCE10, (b) Hostetler, (c) CCR, (d) BCSD, and (e) SERAP

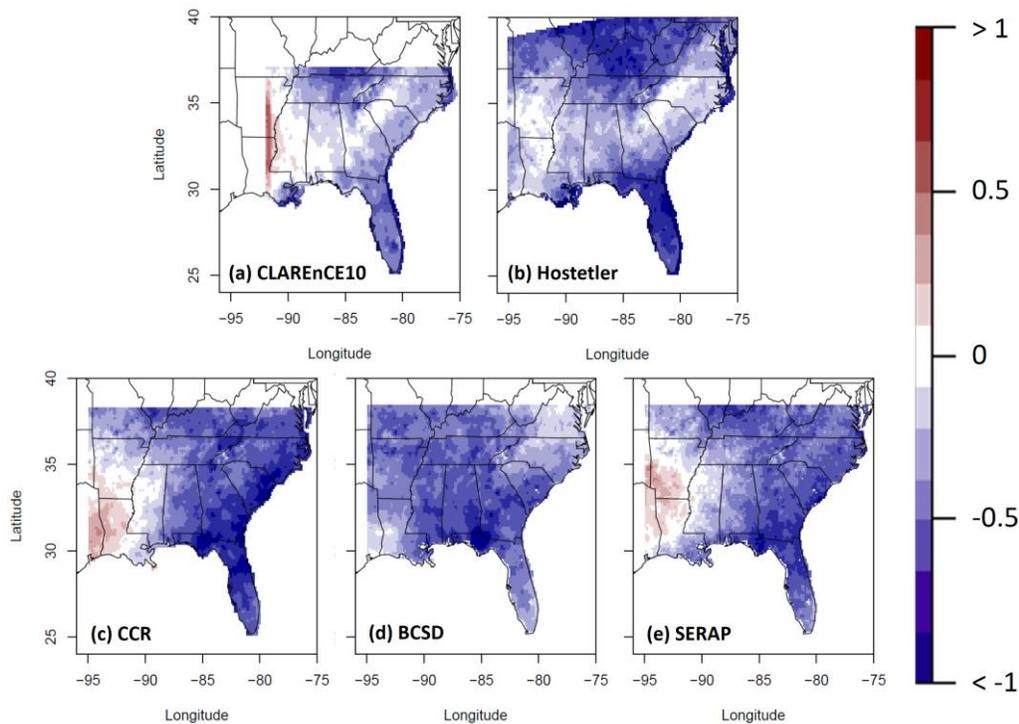


November Bias for Average Monthly Temperature ($^{\circ}\text{C}$) at 15 km resolution for (a) CLAREnCE10, (b) Hostetler, (c) CCR, (d) BCSD, and (e) SERAP

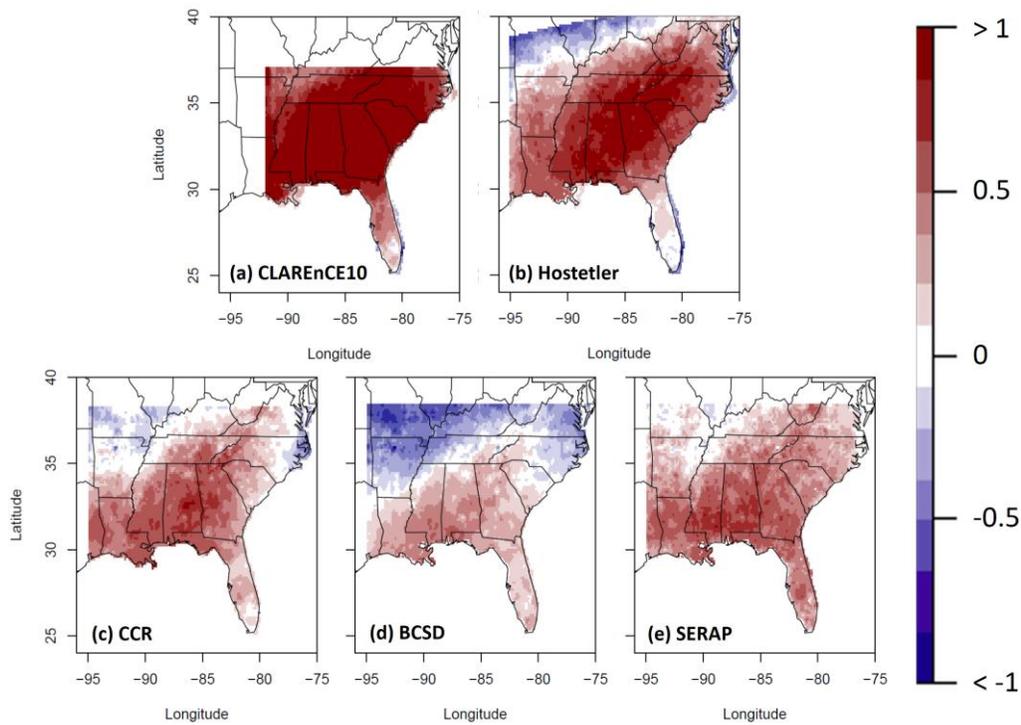


December Bias for Average Monthly Temperature ($^{\circ}\text{C}$) at 15km resolution for (a) CLAREnCE10, (b) Hostetler, (c) CCR, (d) BCSD, and (e) SERAP

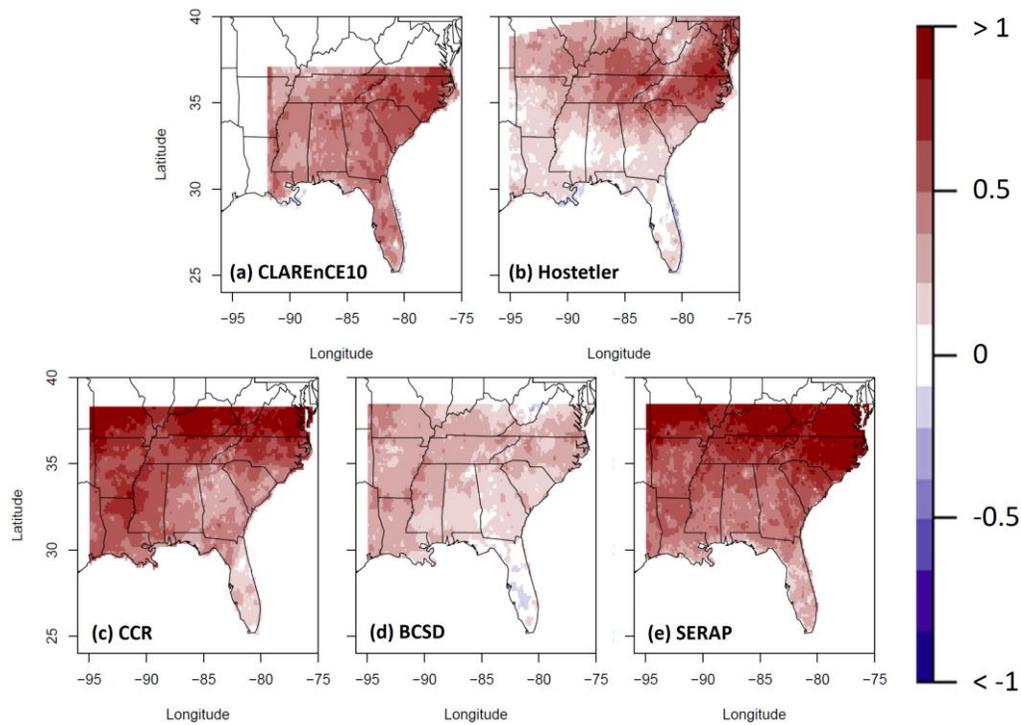
Standard Deviation Difference for Average Monthly Temperatures – 15 km



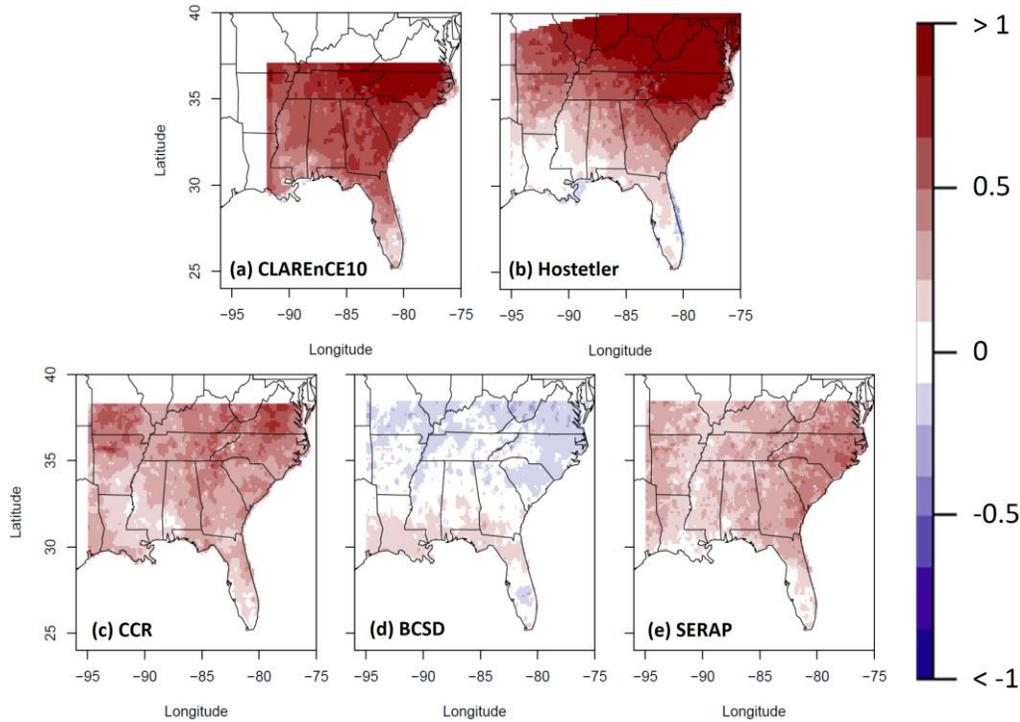
January Standard Deviation Difference for Average Monthly Temperature ($^{\circ}\text{C}$) at 15 km resolution for (a) CLAREnCE10, (b) Hostetler, (c) CCR, (d) BCSD, and (e) SERAP



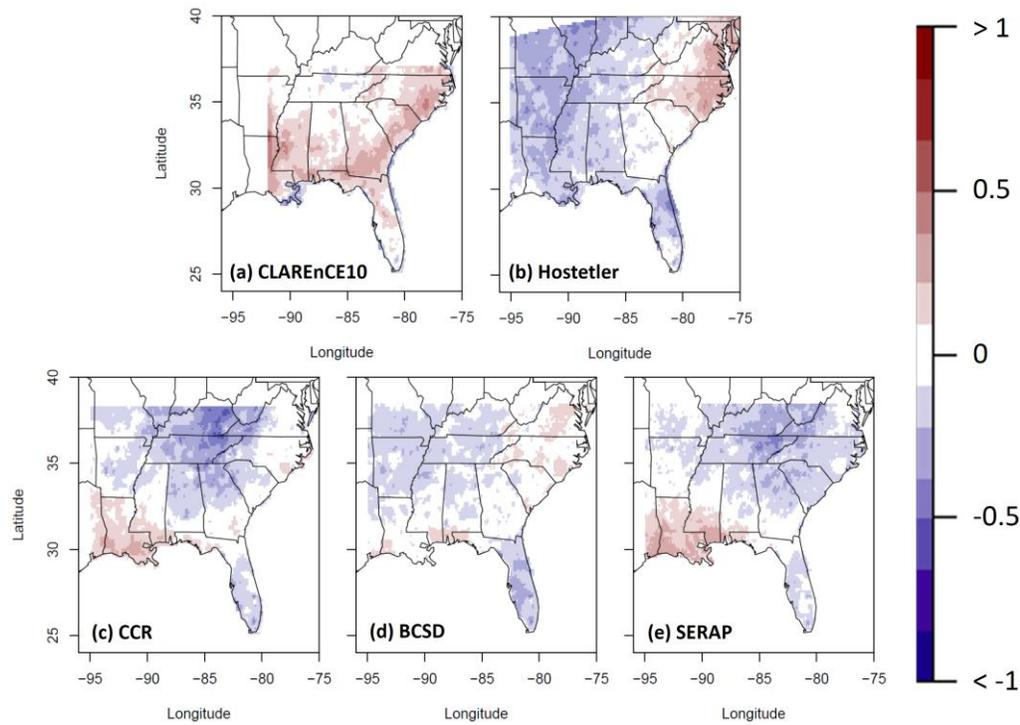
February Standard Deviation Difference for Average Monthly Temperature (°C) at 15 km resolution for (a) CLAREnCE10, (b) Hostetler, (c) CCR, (d) BCSD, and (e) SERAP



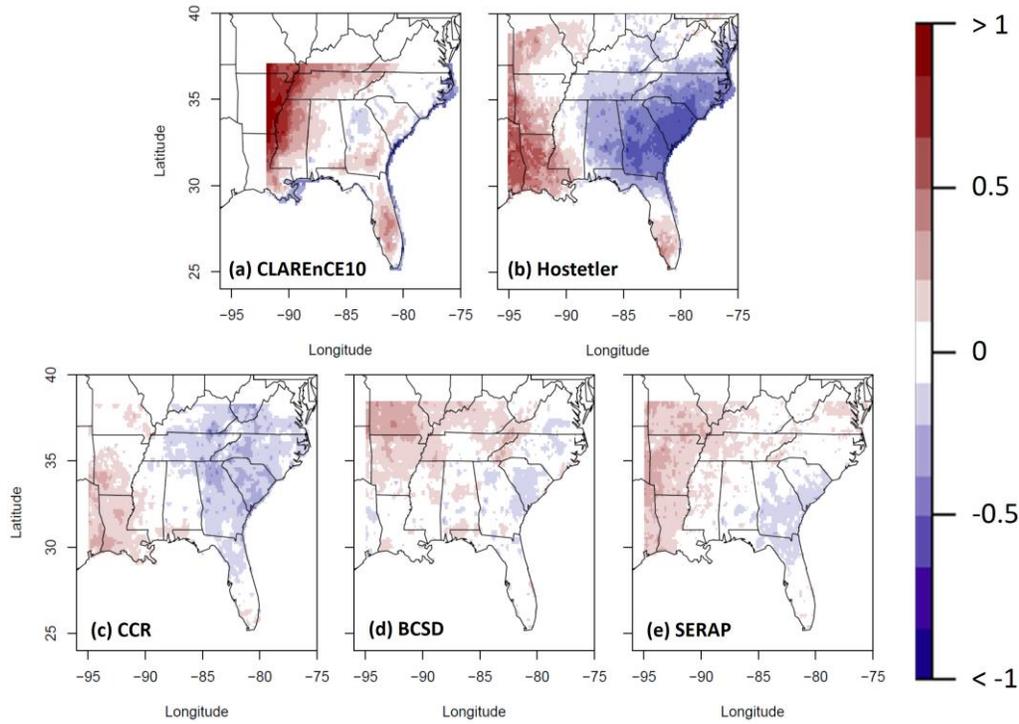
March Standard Deviation Difference for Average Monthly Temperature (°C) at 15 km resolution for (a) CLAREnCE10, (b) Hostetler, (c) CCR, (d) BCSD, and (e) SERAP



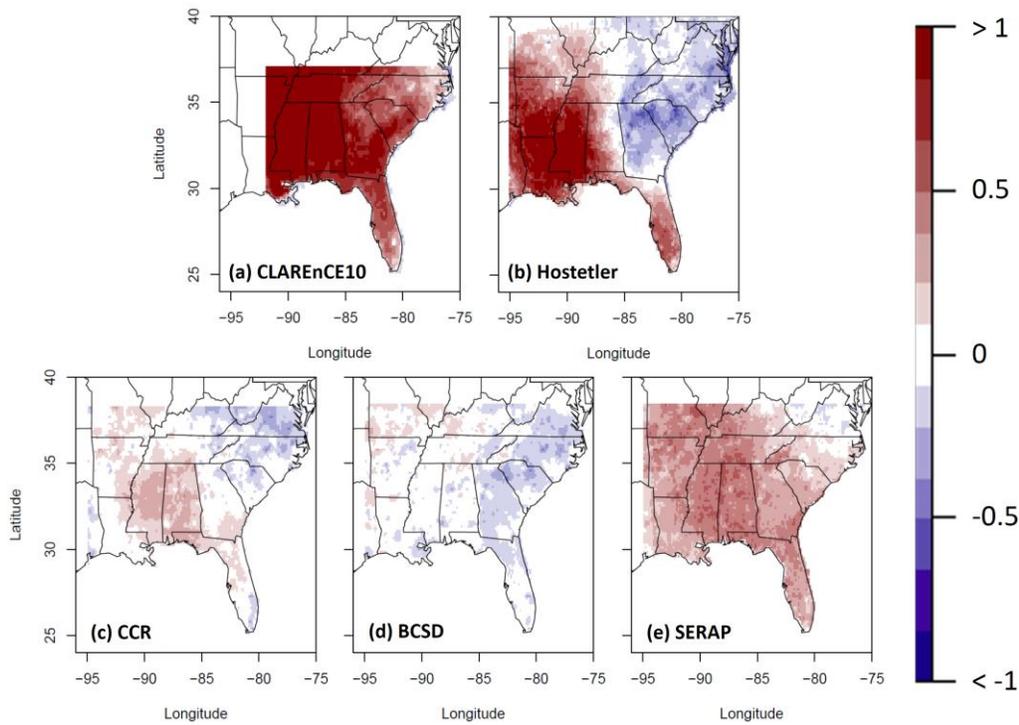
April Standard Deviation Difference for Average Monthly Temperature ($^{\circ}\text{C}$) at 15 km resolution for (a) CLAREnCE10, (b) Hostetler, (c) CCR, (d) BCSD, and (e) SERAP



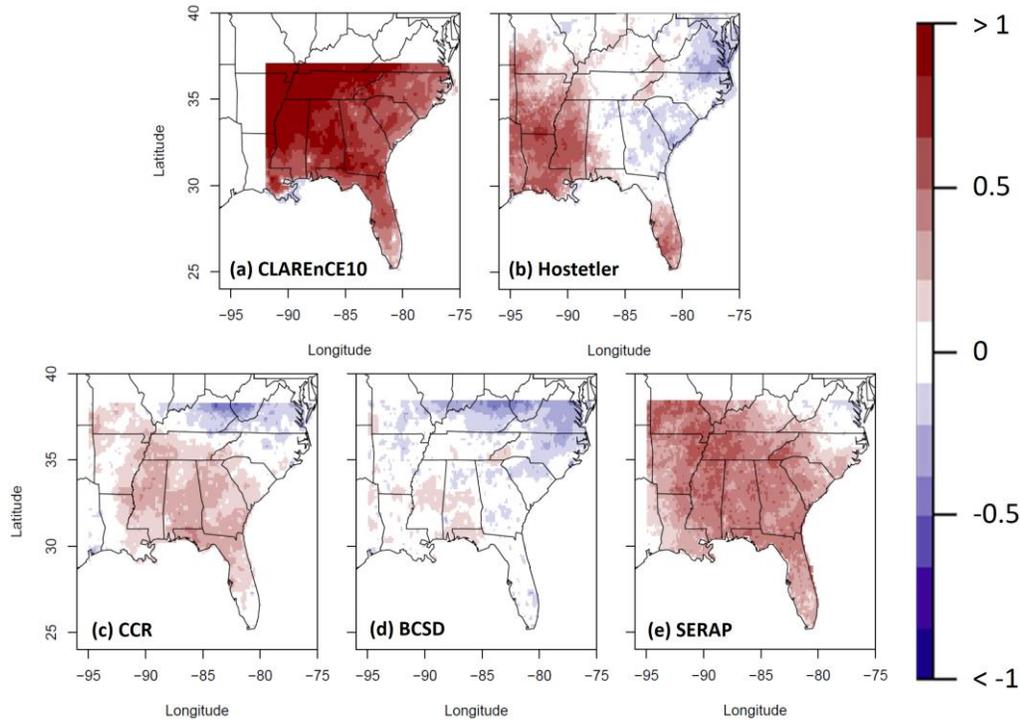
May Standard Deviation Difference for Average Monthly Temperature ($^{\circ}\text{C}$) at 15 km resolution for (a) CLAREnCE10, (b) Hostetler, (c) CCR, (d) BCSD, and (e) SERAP



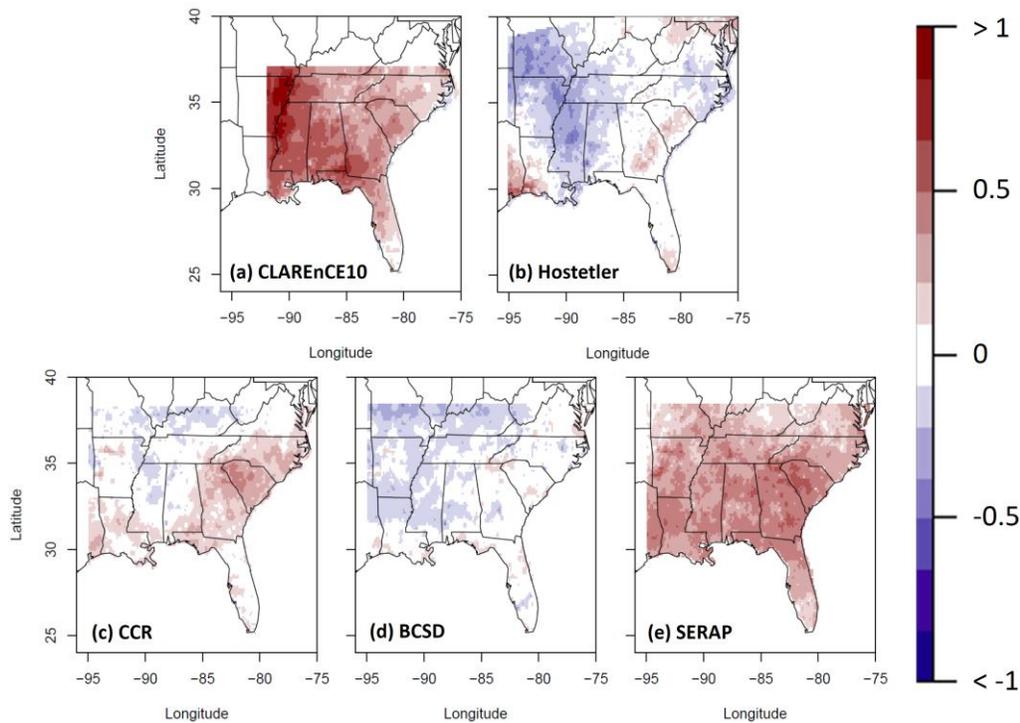
June Standard Deviation Difference for Average Monthly Temperature (°C) at 15 km resolution for (a) CLAREnCE10, (b) Hostetler, (c) CCR, (d) BCSD, and (e) SERAP



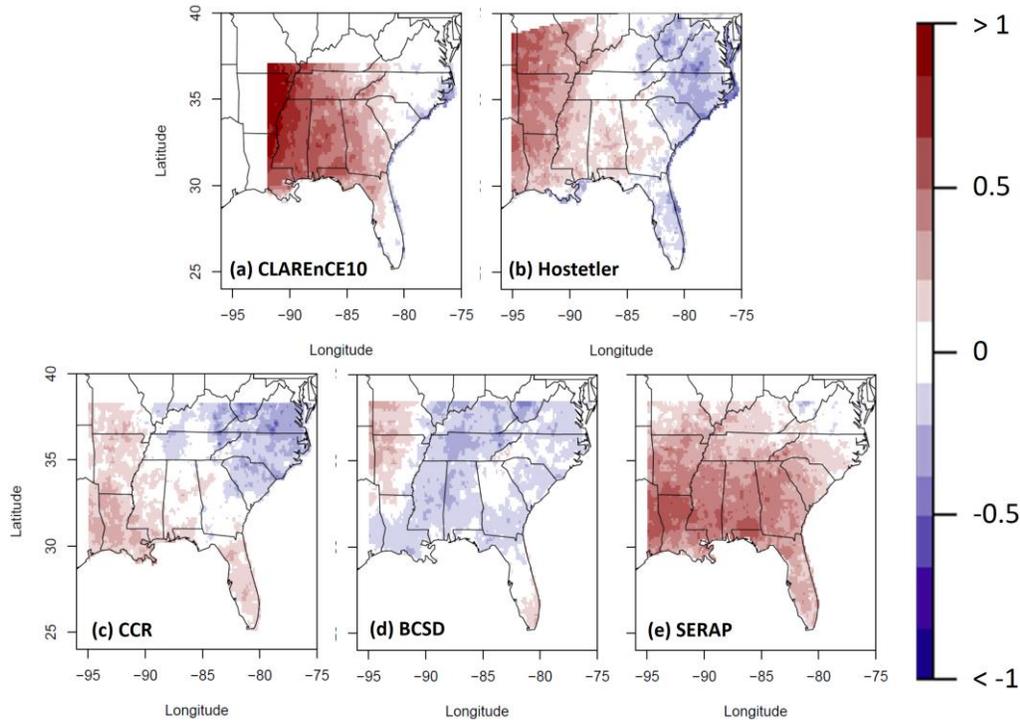
July Standard Deviation Difference for Average Monthly Temperature (°C) at 15 km resolution for (a) CLAREnCE10, (b) Hostetler, (c) CCR, (d) BCSD, and (e) SERAP



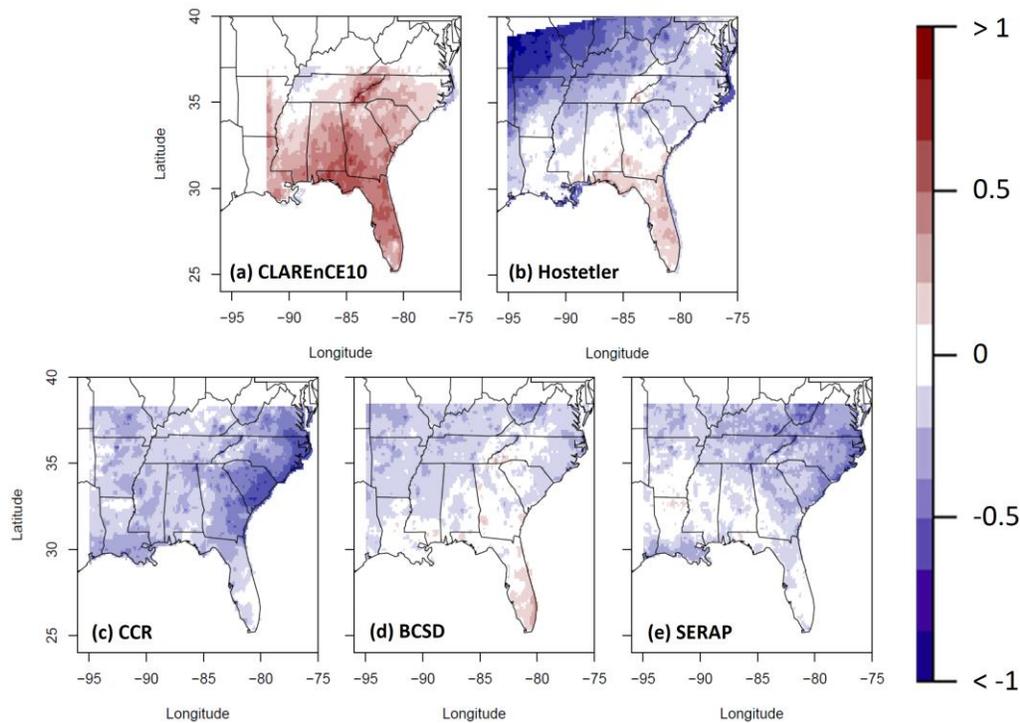
August Standard Deviation Difference for Average Monthly Temperature (°C) at 15 km resolution for (a) CLAREnCE10, (b) Hostetler, (c) CCR, (d) BCSD, and (e) SERAP



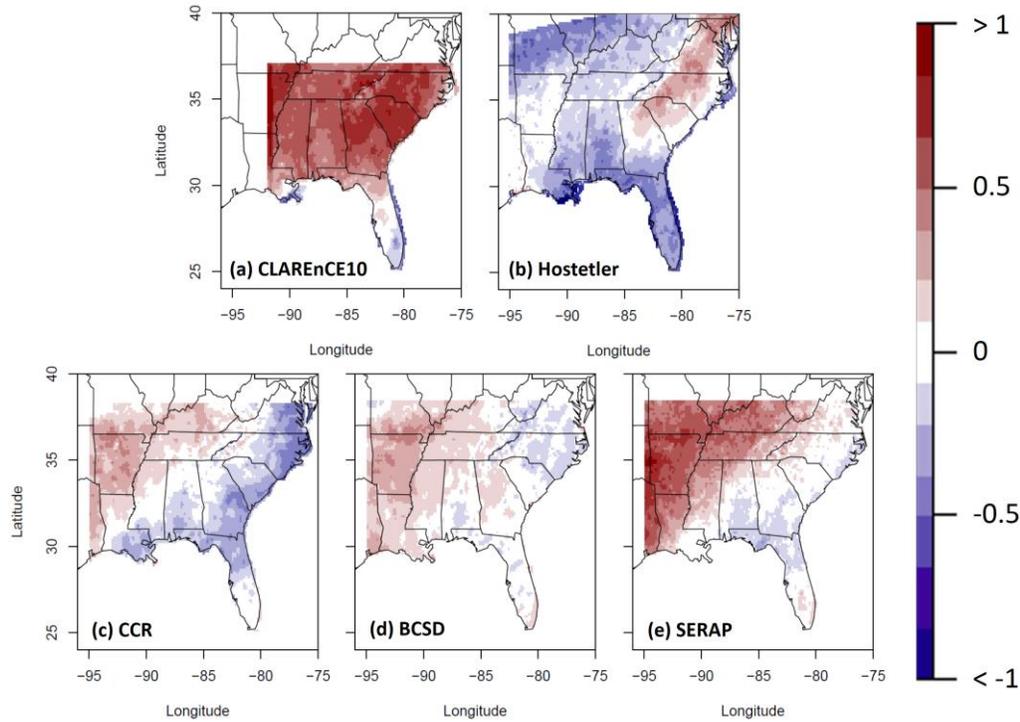
September Standard Deviation Difference for Average Monthly Temperature (°C) at 15 km resolution for (a) CLAREnCE10, (b) Hostetler, (c) CCR, (d) BCSD, and (e) SERAP



October Standard Deviation Difference for Average Monthly Temperature ($^{\circ}\text{C}$) at 15 km resolution for (a) CLAREnCE10, (b) Hostetler, (c) CCR, (d) BCSD, and (e) SERAP

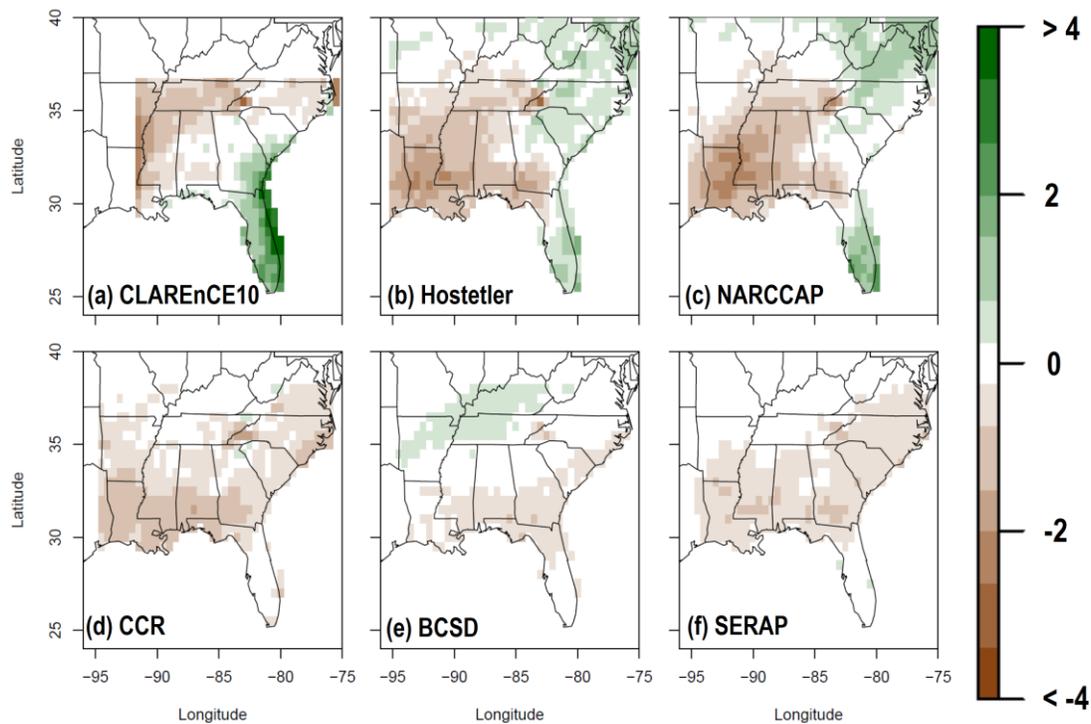


November Standard Deviation Difference for Average Monthly Temperature ($^{\circ}\text{C}$) at 15 km resolution for (a) CLAREnCE10, (b) Hostetler, (c) CCR, (d) BCSD, and (e) SERAP

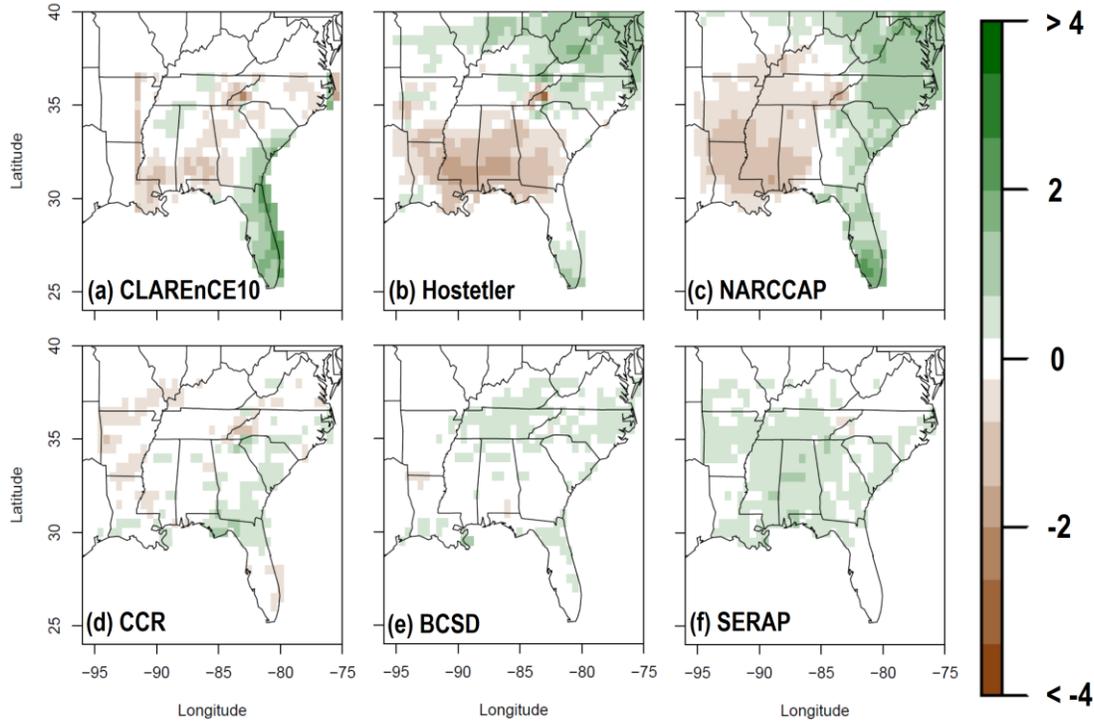


December Standard Deviation Difference for Average Monthly Temperature ($^{\circ}\text{C}$) at 15 km resolution for (a) CLAREnCE10, (b) Hostetler, (c) CCR, (d) BCSD, and (e) SERAP

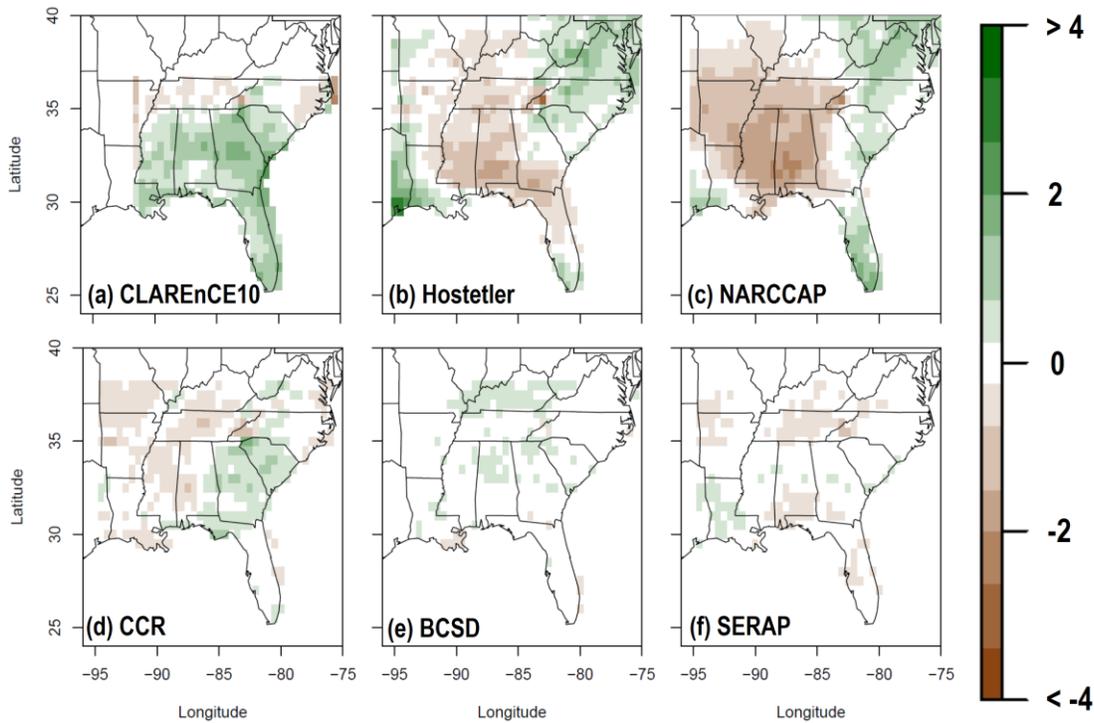
Bias for Average Monthly Precipitation – 50 km



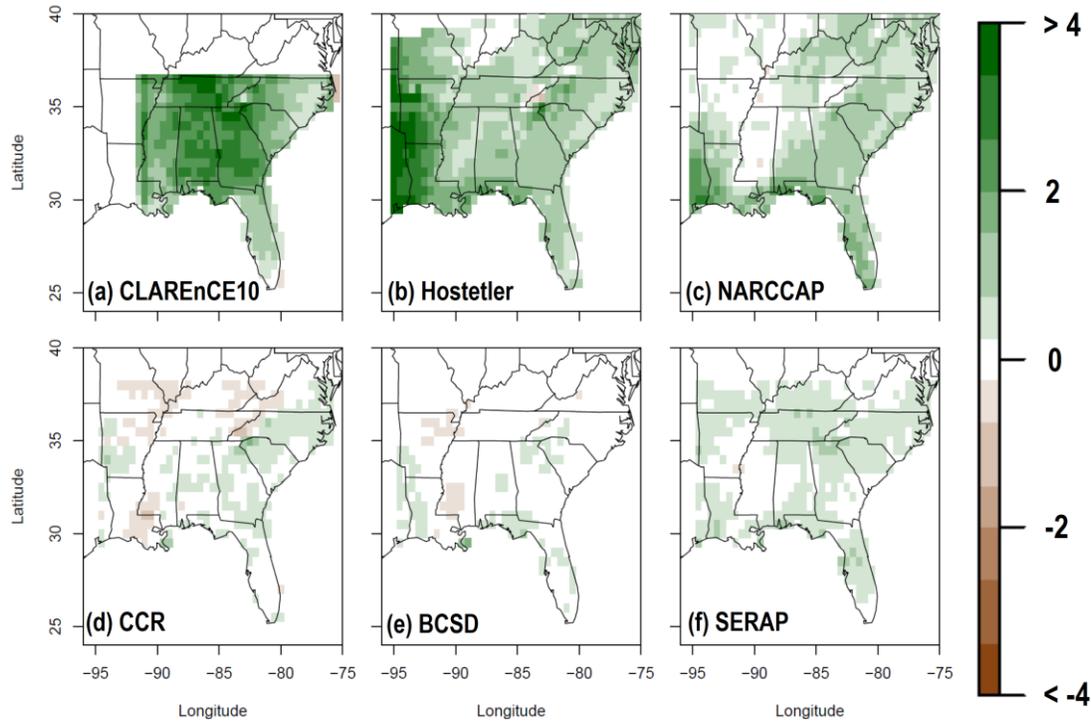
January Bias for Average Monthly Precipitation (mm/day) at 50 km resolution for (a) CLAREnCE10, (b) Hostetler, (c) NARCCAP, (d) CCR, (e) BCSD, and (f) SERAP



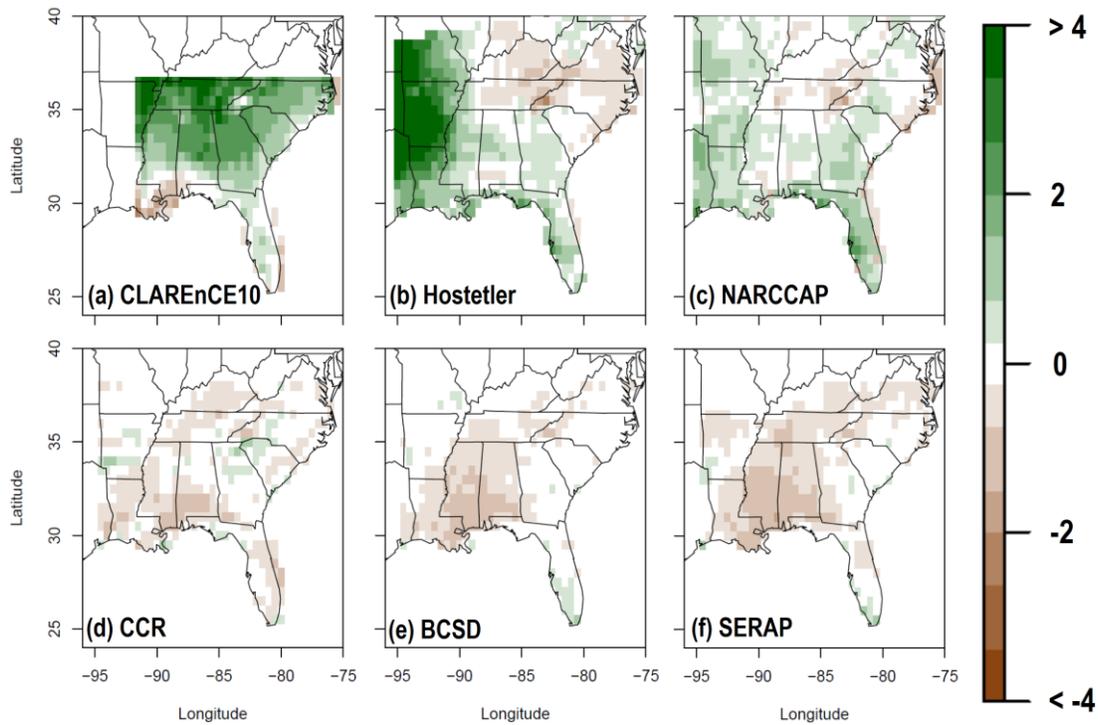
February Bias for Average Monthly Precipitation (mm/day) at 50 km resolution for (a) CLAREnCE10, (b) Hostetler, (c) NARCCAP, (d) CCR, (e) BCSD, and (f) SERAP



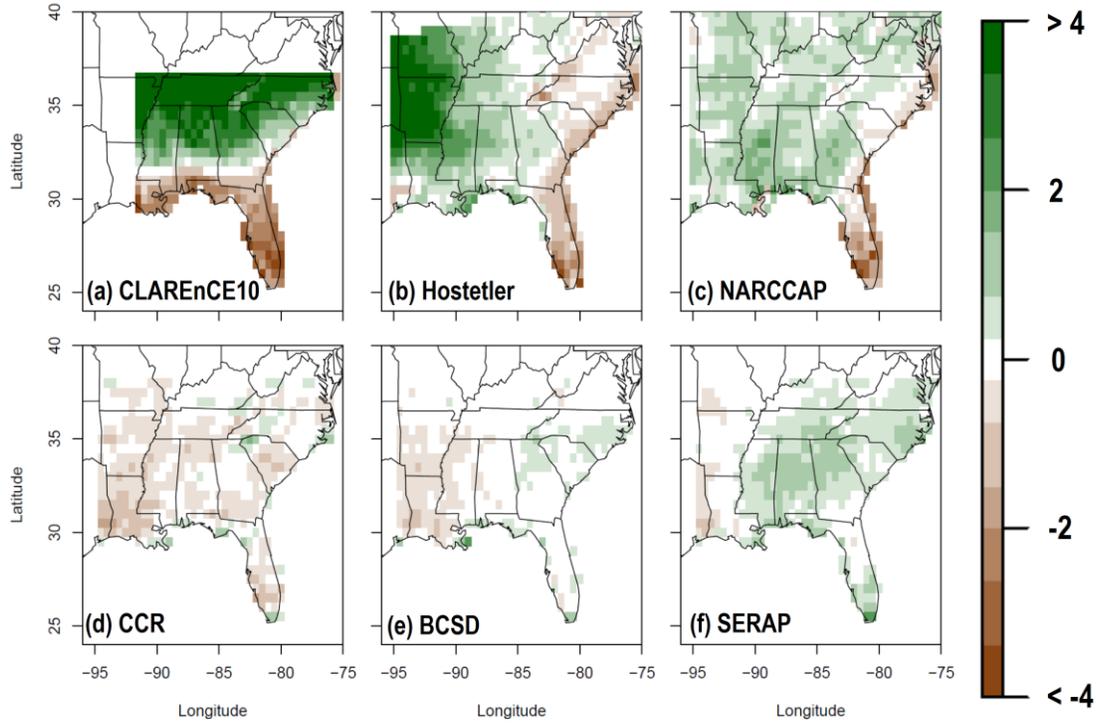
March Bias for Average Monthly Precipitation (mm/day) at 50 km resolution for (a) CLAREnCE10, (b) Hostetler, (c) NARCCAP, (d) CCR, (e) BCSD, and (f) SERAP



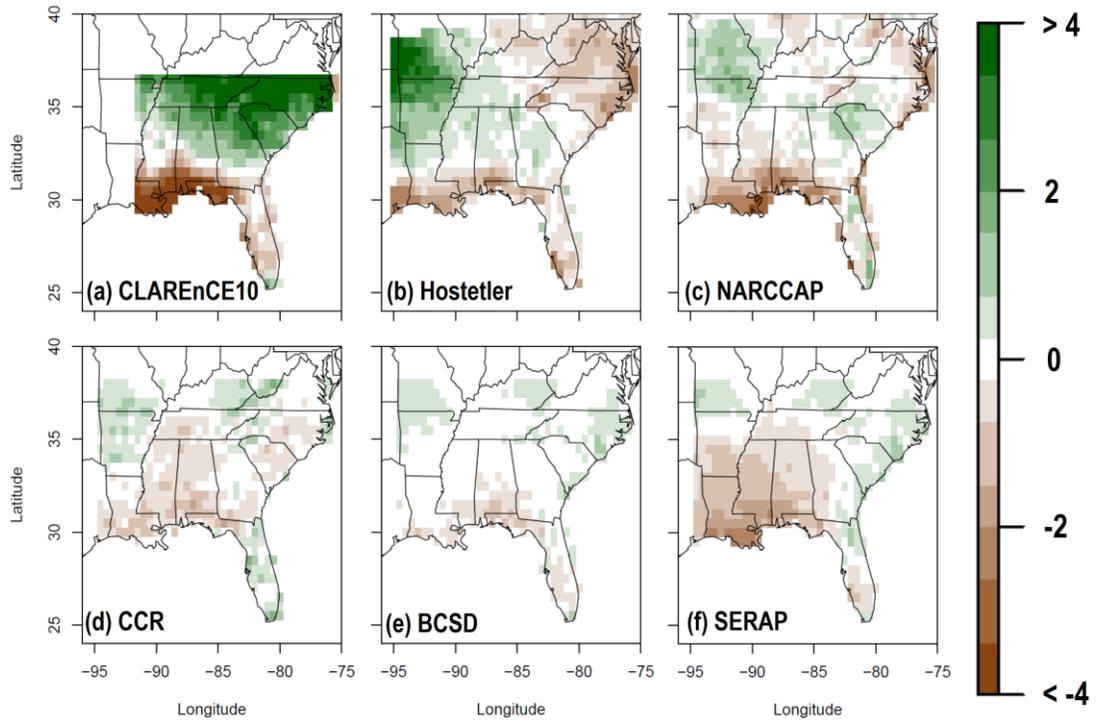
April Bias for Average Monthly Precipitation (mm/day) at 50 km resolution for (a) CLAREnCE10, (b) Hostetler, (c) NARCCAP, (d) CCR, (e) BCSD, and (f) SERAP



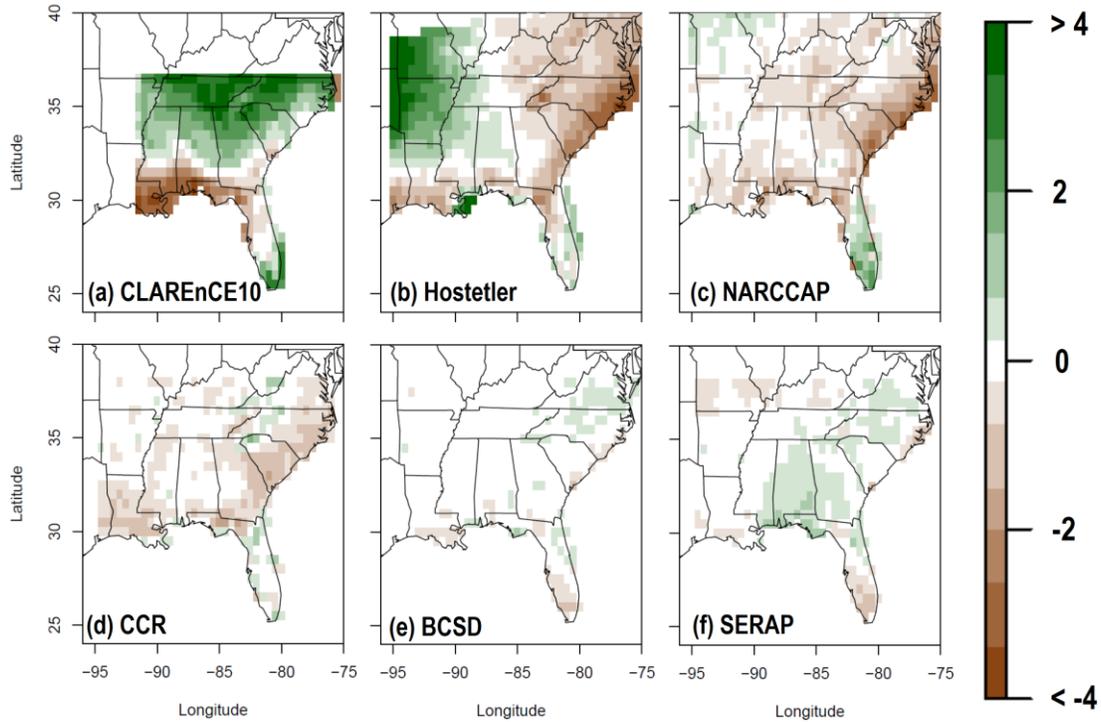
May Bias for Average Monthly Precipitation (mm/day) at 50 km resolution for (a) CLAREnCE10, (b) Hostetler, (c) NARCCAP, (d) CCR, (e) BCSD, and (f) SERAP



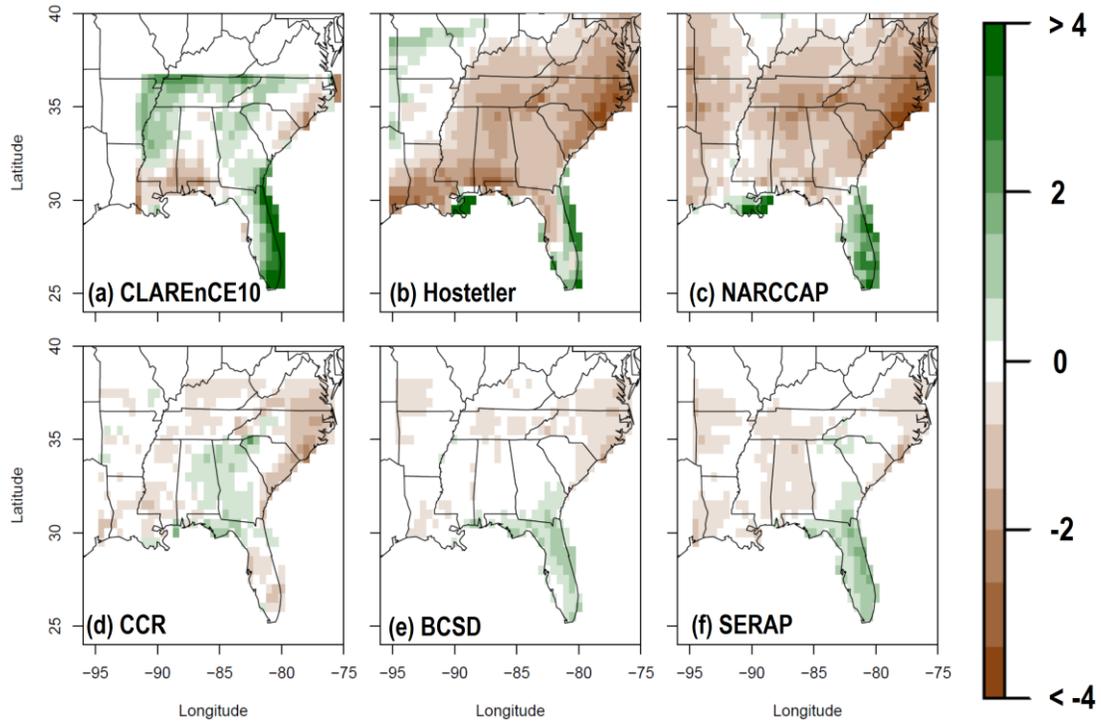
June Bias for Average Monthly Precipitation (mm/day) at 50 km resolution for (a) CLAREnCE10, (b) Hostetler, (c) NARCCAP, (d) CCR, (e) BCSD, and (f) SERAP



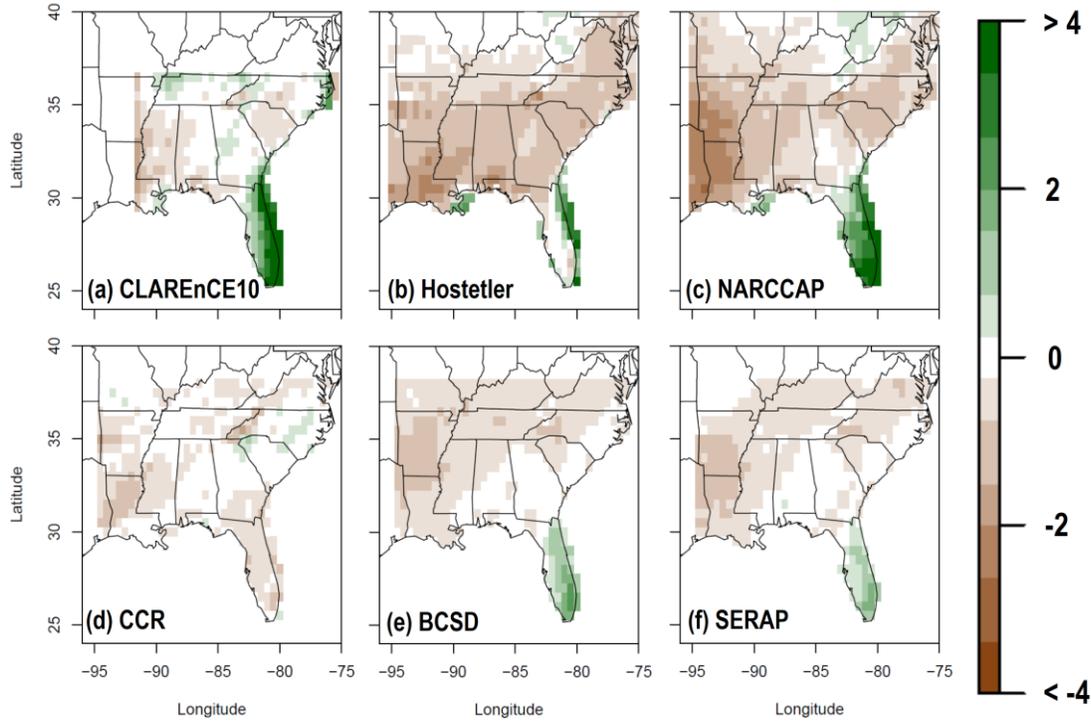
July Bias for Average Monthly Precipitation (mm/day) at 50 km resolution for (a) CLAREnCE10, (b) Hostetler, (c) NARCCAP, (d) CCR, (e) BCSD, and (f) SERAP



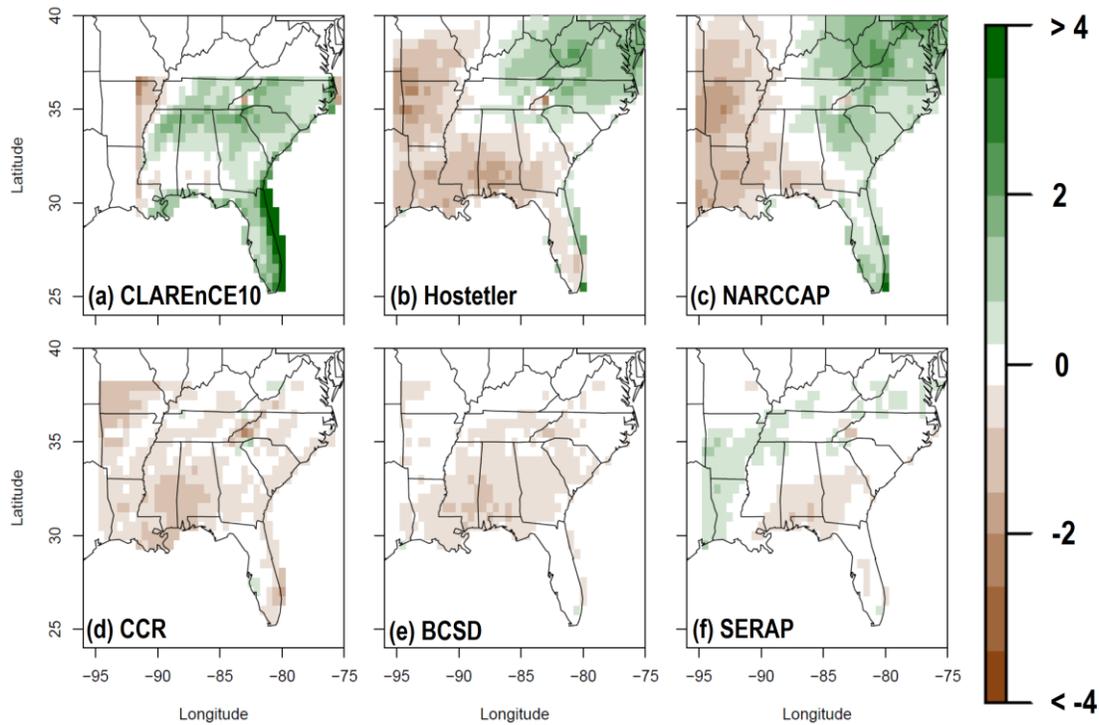
August Bias for Average Monthly Precipitation (mm/day) at 50 km resolution for (a) CLAREnCE10, (b) Hostetler, (c) NARCCAP, (d) CCR, (e) BCSD, and (f) SERAP



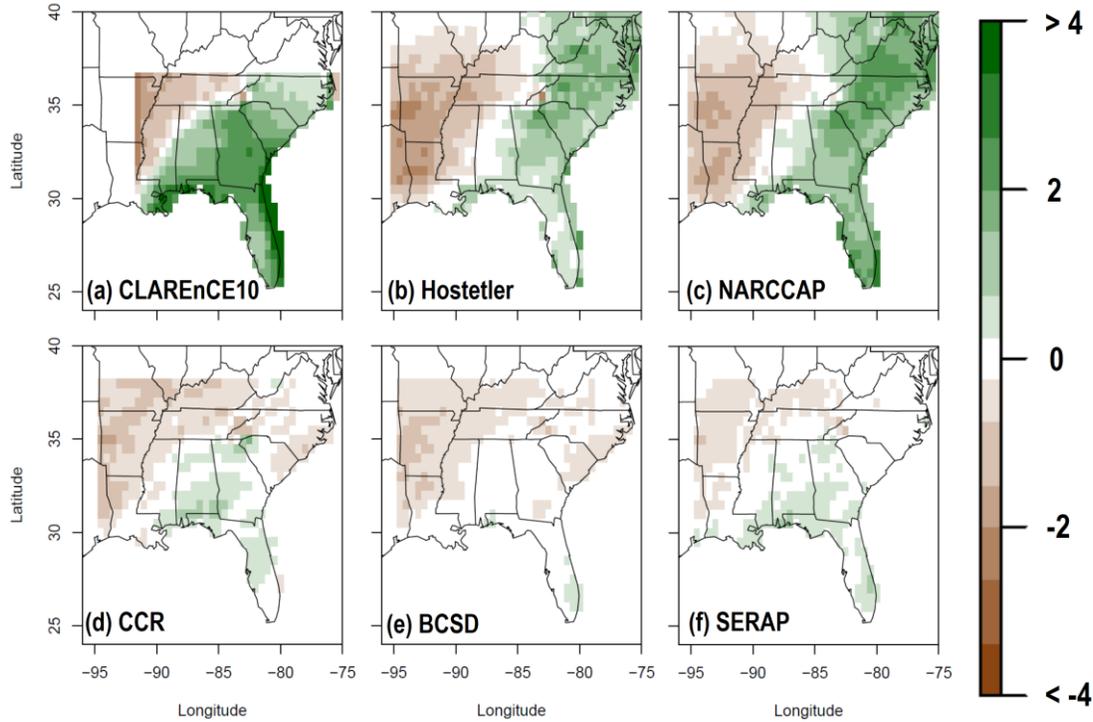
September Bias for Average Monthly Precipitation (mm/day) at 50 km resolution for (a) CLAREnCE10, (b) Hostetler, (c) NARCCAP, (d) CCR, (e) BCSD, and (f) SERAP



October Bias for Average Monthly Precipitation (mm/day) at 50 km resolution for (a) CLAREnCE10, (b) Hostetler, (c) NARCCAP, (d) CCR, (e) BCSD, and (f) SERAP

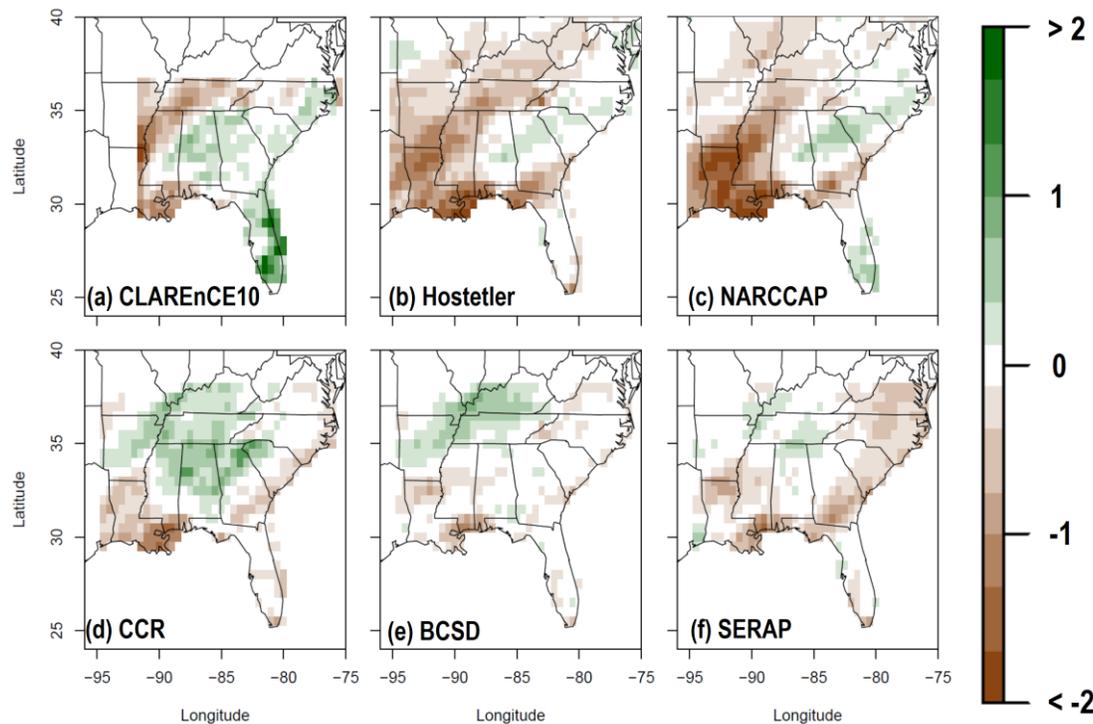


November Bias for Average Monthly Precipitation (mm/day) at 50 km resolution for (a) CLAREnCE10, (b) Hostetler, (c) NARCCAP, (d) CCR, (e) BCSD, and (f) SERAP

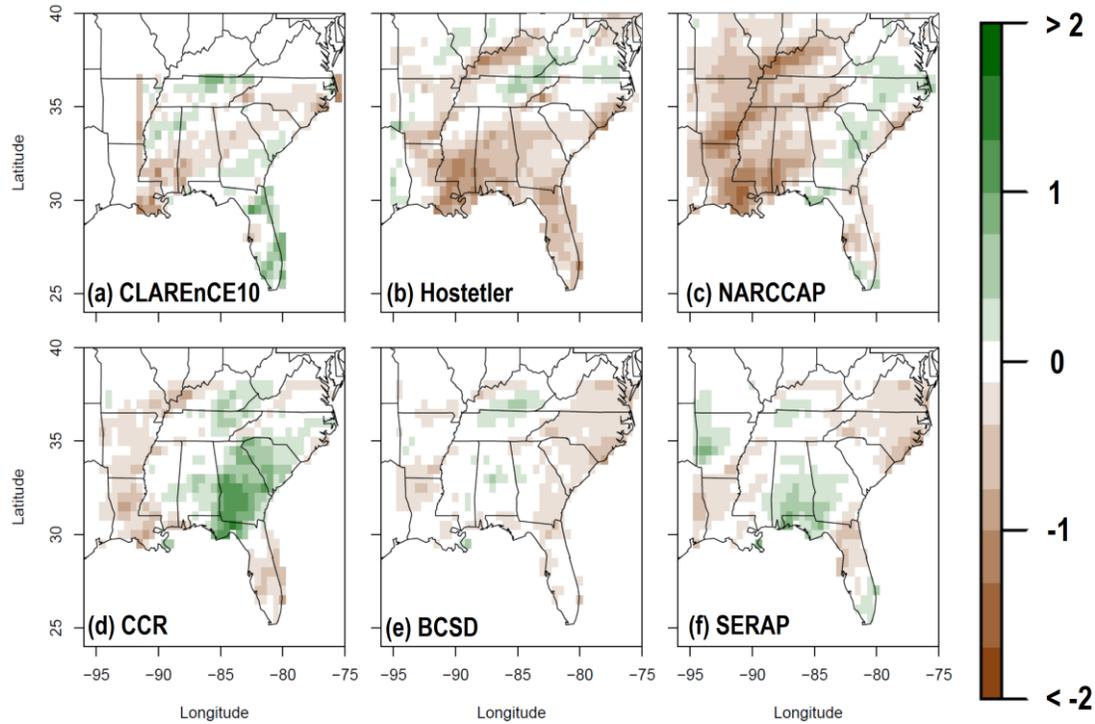


December Bias for Average Monthly Precipitation (mm/day) at 50 km resolution for (a) CLAREnCE10, (b) Hostetler, (c) NARCCAP, (d) CCR, (e) BCSD, and (f) SERAP

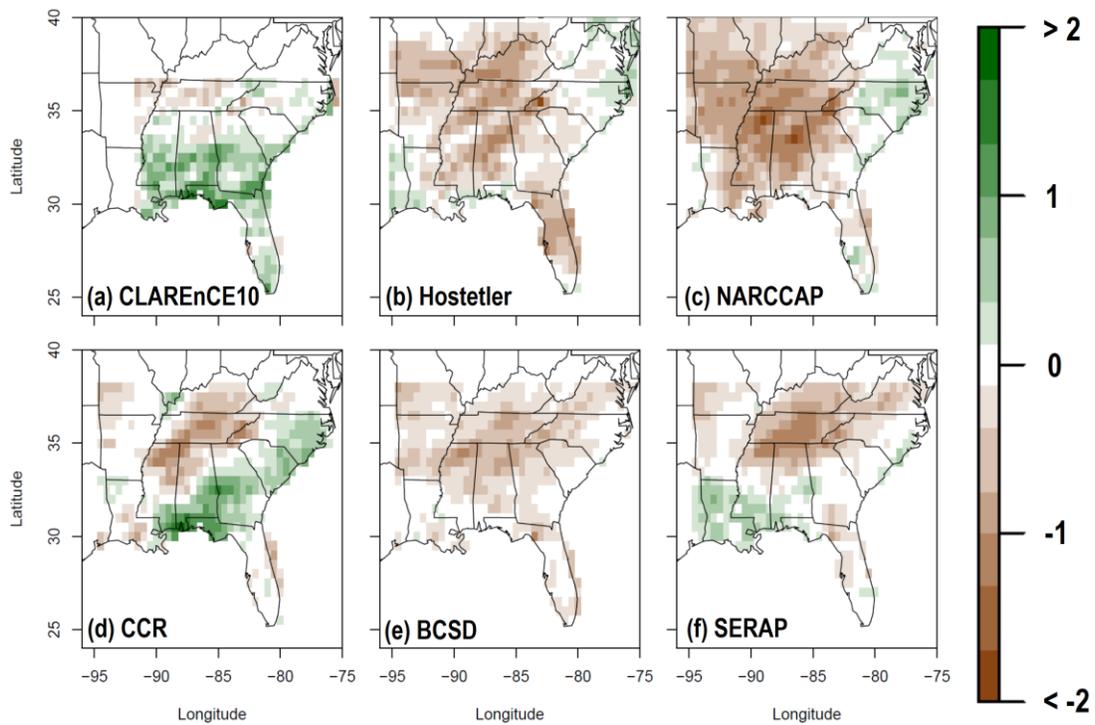
Standard Deviation Difference for Average Monthly Precipitation – 50 km



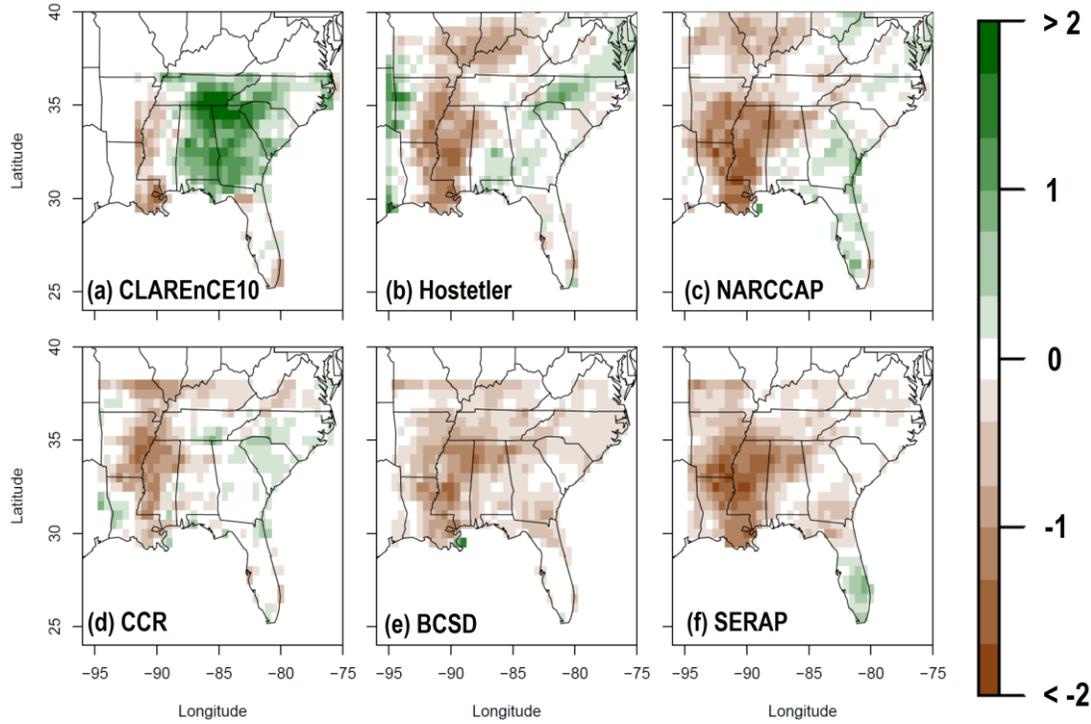
January Standard Deviation Difference for Monthly Precipitation (mm/day) at 50 km resolution for (a) CLAREnCE10, (b) Hostetler, (c) NARCCAP, (d) CCR, (e) BCSD, and (f) SERAP



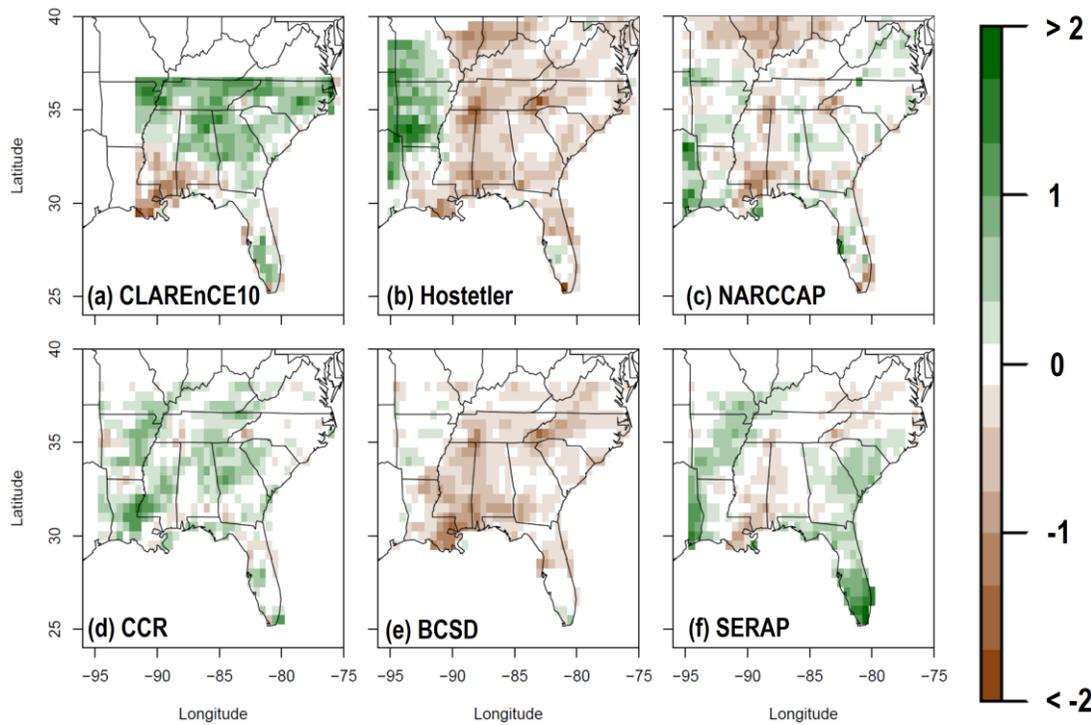
February Standard Deviation Difference for Monthly Precipitation (mm/day) at 50 km resolution for (a) CLAREnCE10, (b) Hostetler, (c) NARCCAP, (d) CCR, (e) BCSD, and (f) SERAP



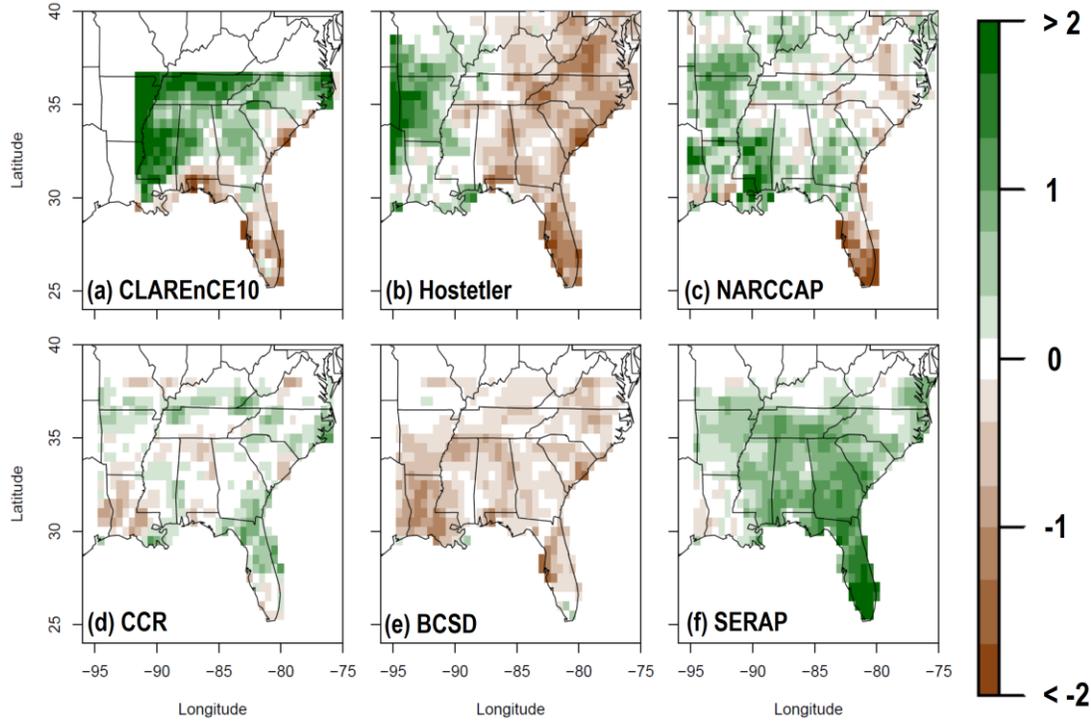
March Standard Deviation Difference for Monthly Precipitation (mm/day) at 50 km resolution for (a) CLAREnCE10, (b) Hostetler, (c) NARCCAP, (d) CCR, (e) BCSD, and (f) SERAP



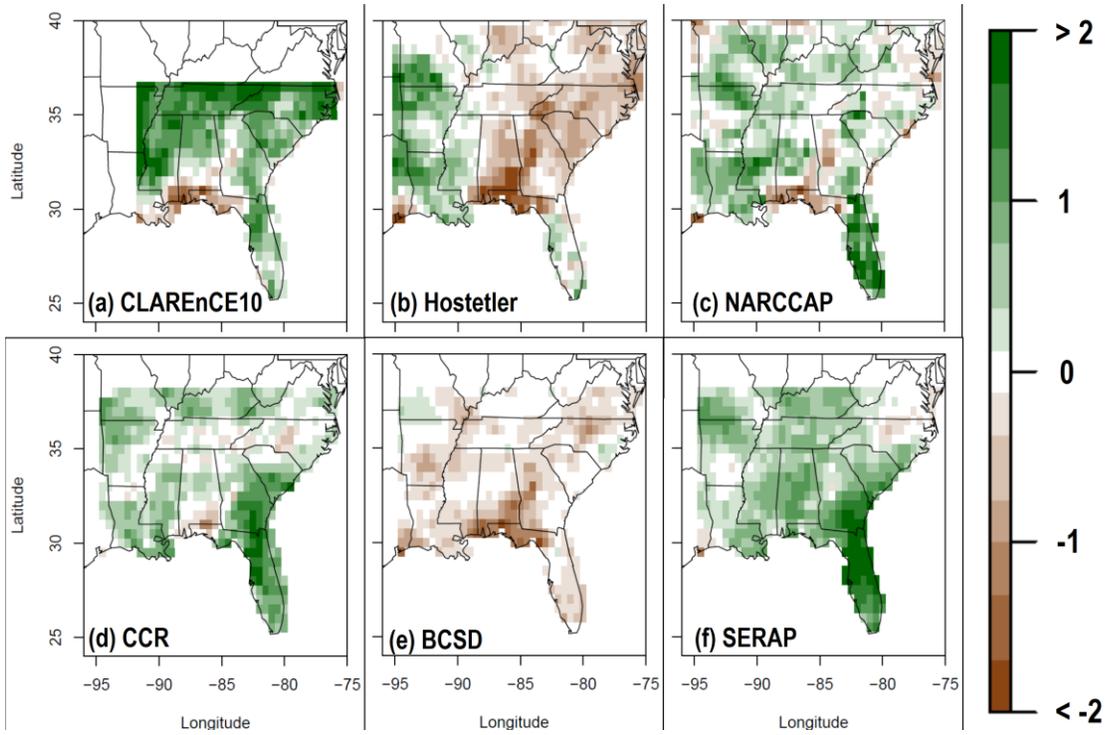
April Standard Deviation Difference for Monthly Precipitation (mm/day) at 50 km resolution for (a) CLAREnCE10, (b) Hostetler, (c) NARCCAP, (d) CCR, (e) BCSD, and (f) SERAP



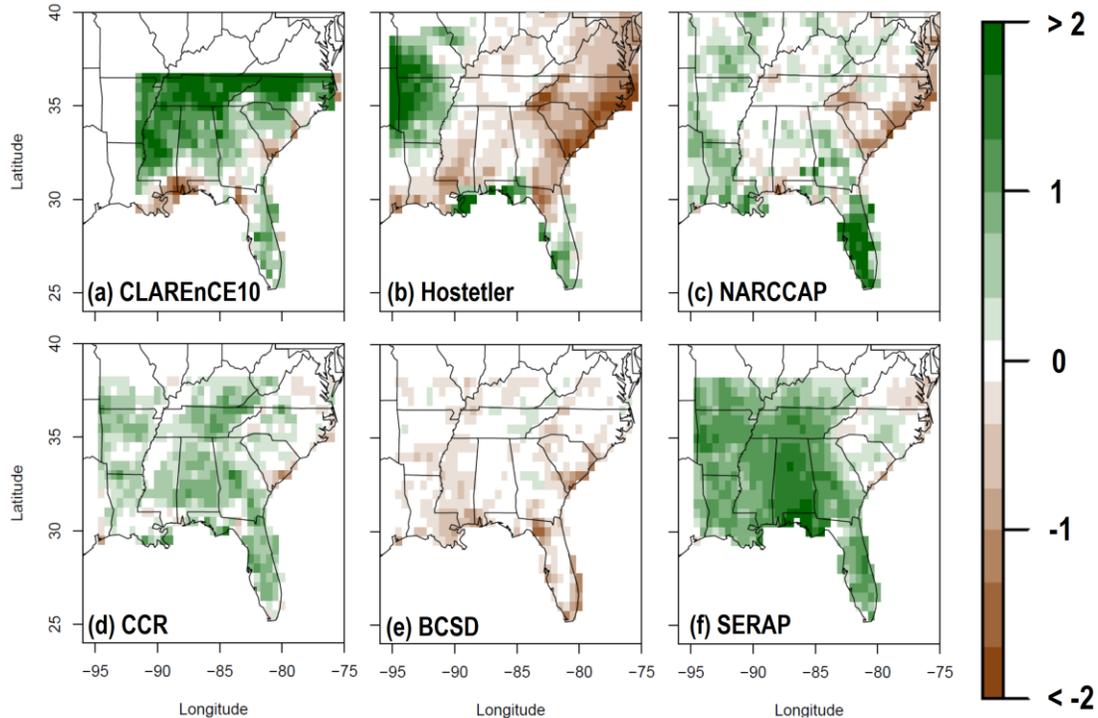
May Standard Deviation Difference for Monthly Precipitation (mm/day) at 50 km resolution for (a) CLAREnCE10, (b) Hostetler, (c) NARCCAP, (d) CCR, (e) BCSD, and (f) SERAP



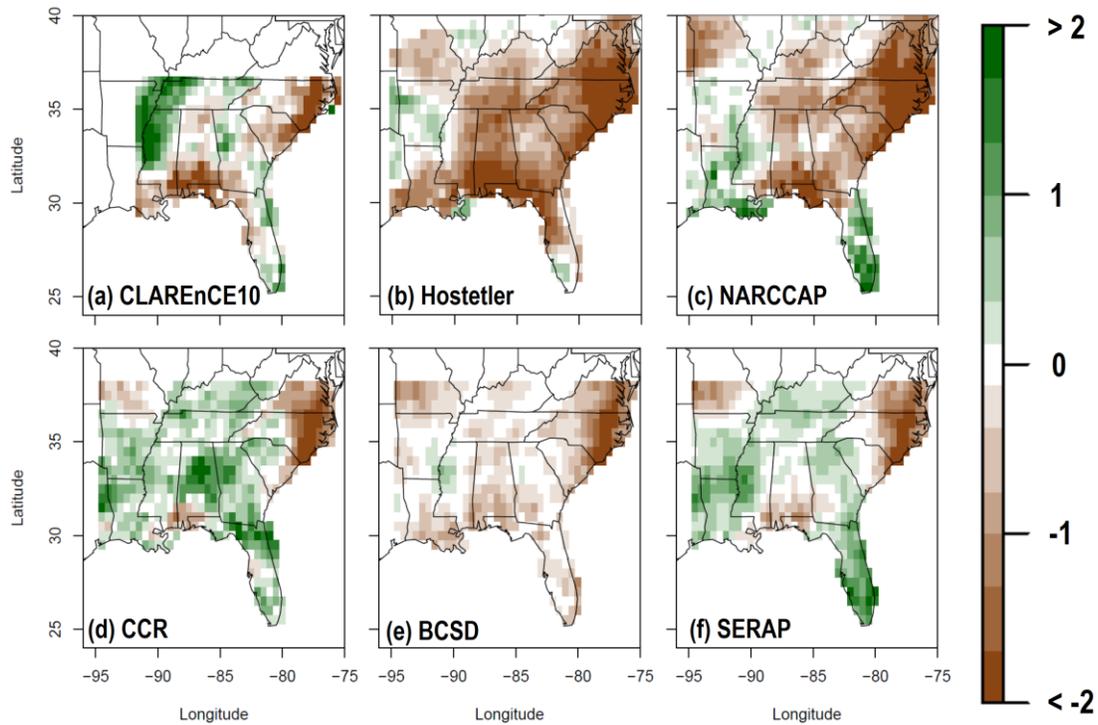
June Standard Deviation Difference for Monthly Precipitation (mm/day) at 50 km resolution for (a) CLAREnCE10, (b) Hostetler, (c) NARCCAP, (d) CCR, (e) BCSD, and (f) SERAP



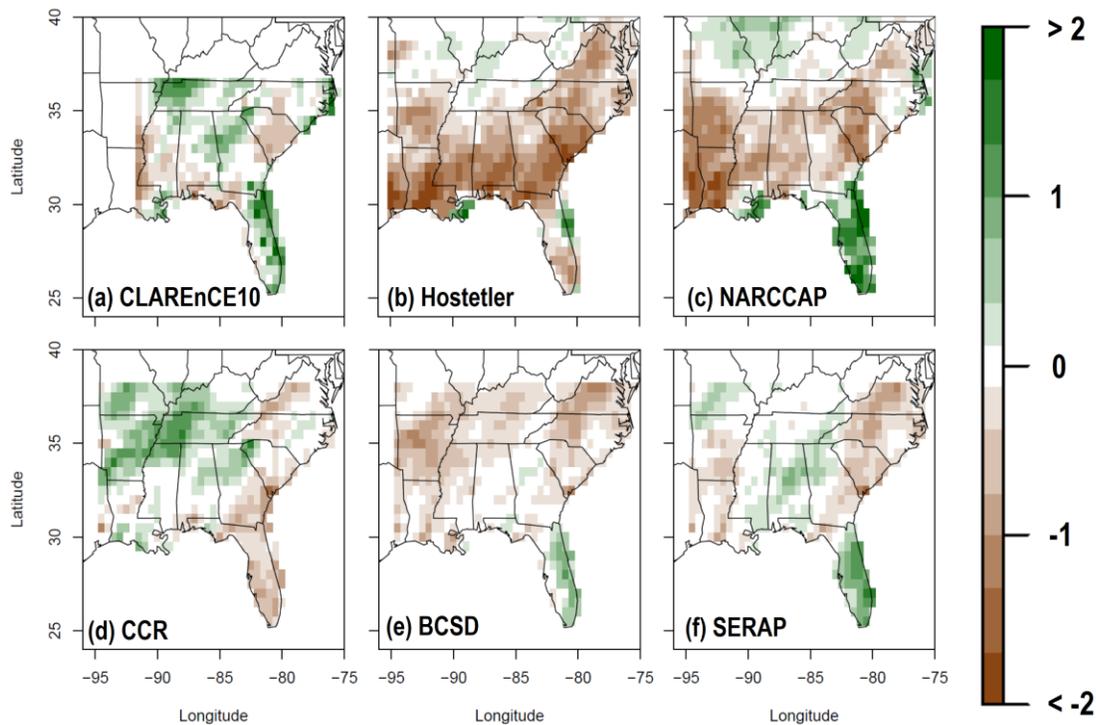
July Standard Deviation Difference for Monthly Precipitation (mm/day) at 50 km resolution for (a) CLAREnCE10, (b) Hostetler, (c) NARCCAP, (d) CCR, (e) BCSD, and (f) SERAP



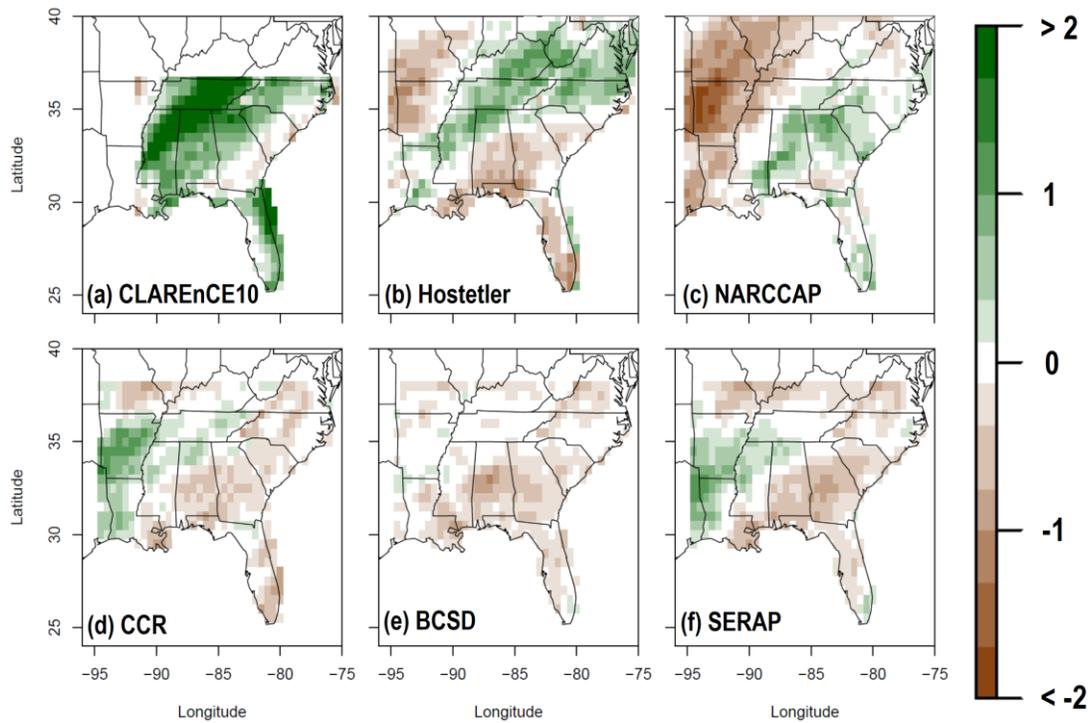
August Standard Deviation Difference for Monthly Precipitation (mm/day) at 50 km resolution for (a) CLAREnCE10, (b) Hostetler, (c) NARCCAP, (d) CCR, (e) BCSD, and (f) SERAP



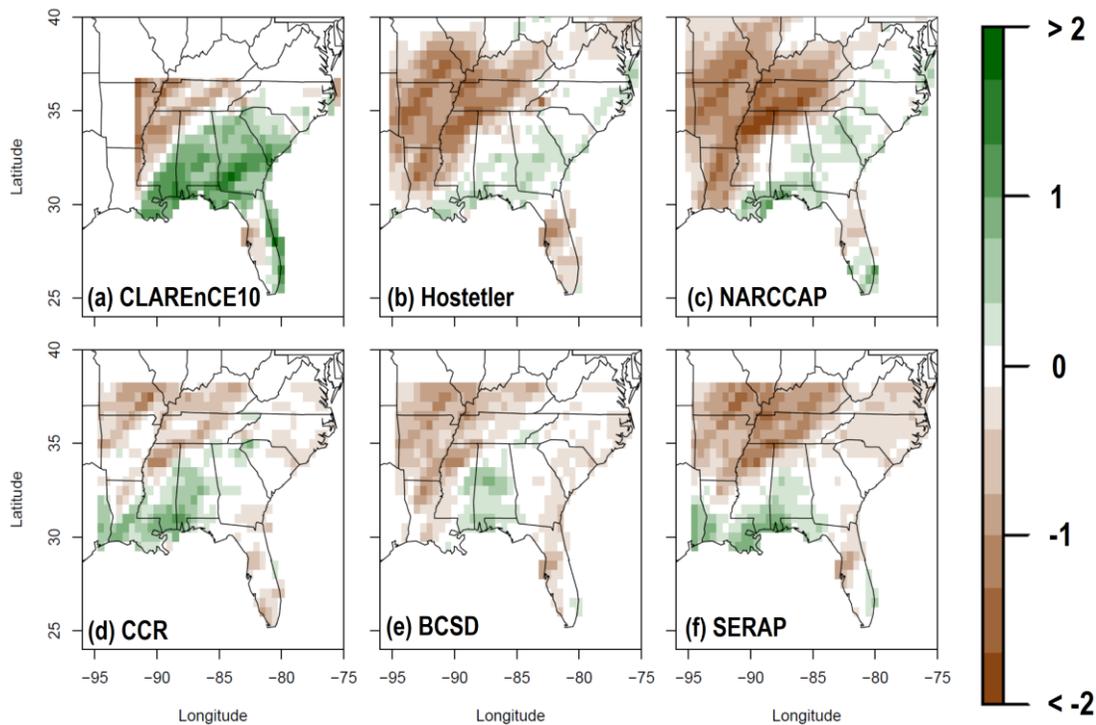
September Standard Deviation Difference for Monthly Precipitation (mm/day) at 50 km resolution for (a) CLAREnCE10, (b) Hostetler, (c) NARCCAP, (d) CCR, (e) BCSD, and (f) SERAP



October Standard Deviation Difference for Monthly Precipitation (mm/day) at 50 km resolution for (a) CLAREnCE10, (b) Hostetler, (c) NARCCAP, (d) CCR, (e) BCSD, and (f) SERAP

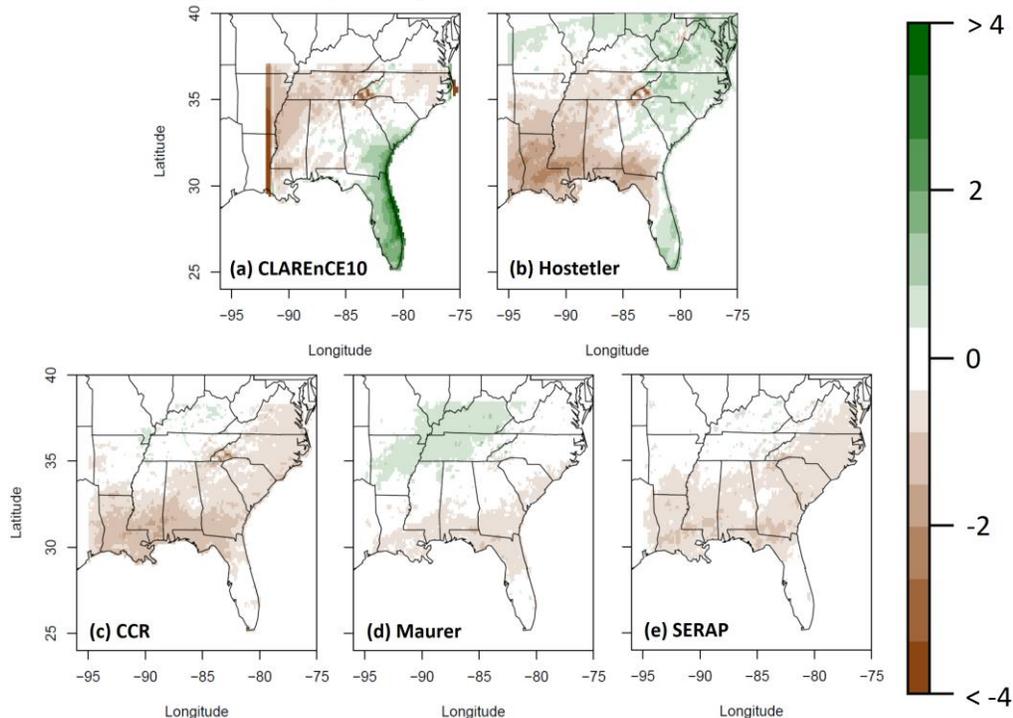


November Standard Deviation Difference for Monthly Precipitation (mm/day) at 50 km resolution for (a) CLAREnCE10, (b) Hostetler, (c) NARCCAP, (d) CCR, (e) BCSD, and (f) SERAP

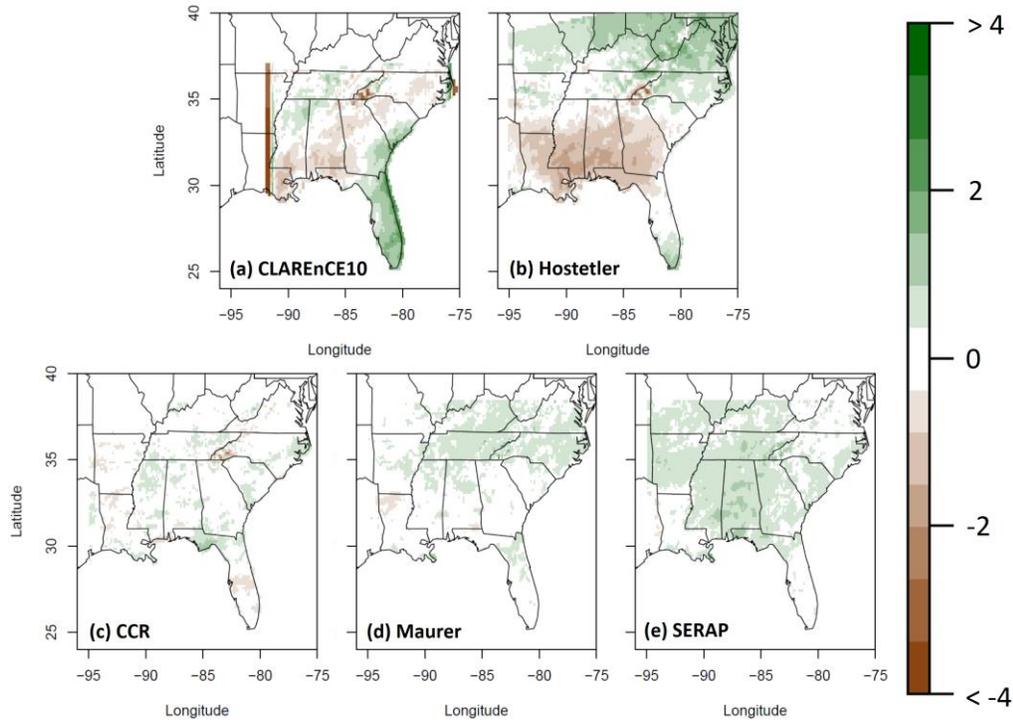


December Standard Deviation Difference for Monthly Precipitation (mm/day) at 50 km resolution for (a) CLAREnCE10, (b) Hostetler, (c) NARCCAP, (d) CCR, (e) BCSD, and (f) SERAP

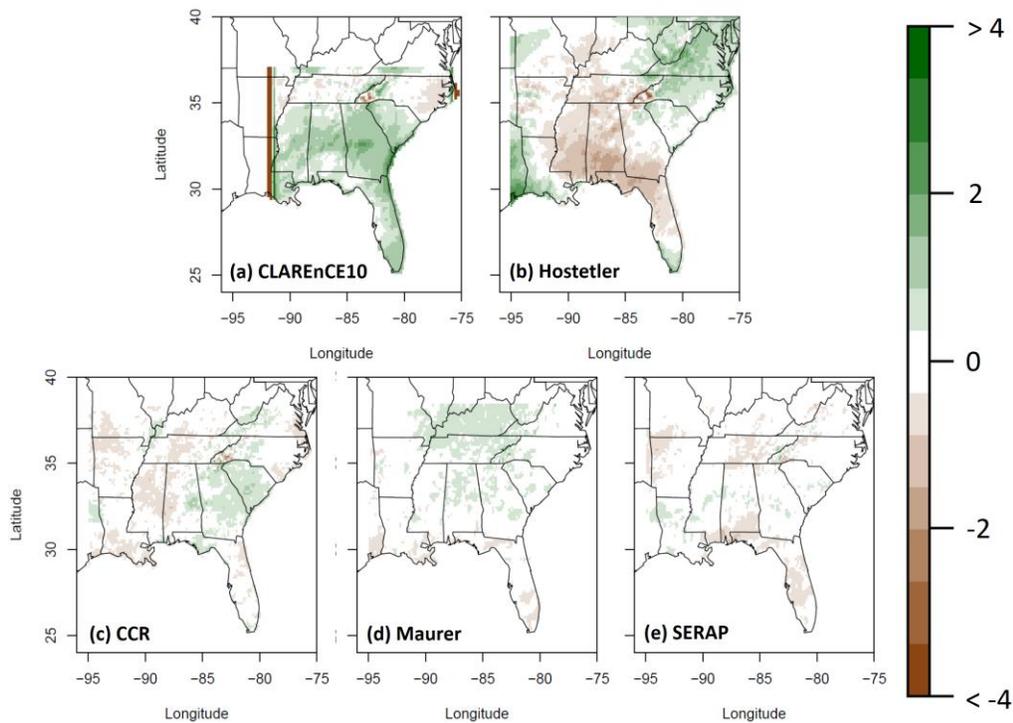
Bias for Average Monthly Precipitation – 15 km



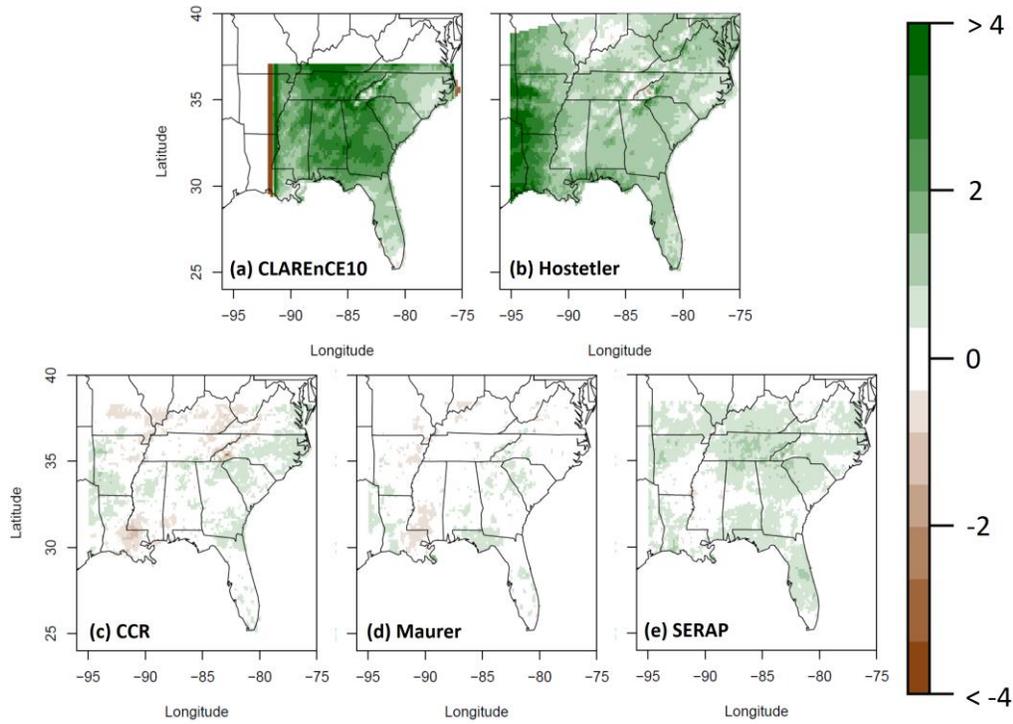
January Bias for Average Monthly Precipitation (mm/day) at 50 km resolution for (a) CLAREnCE10, (b) Hostetler, (c) NARCCAP, (d) CCR, (e) BCSD, and (f) SERAP



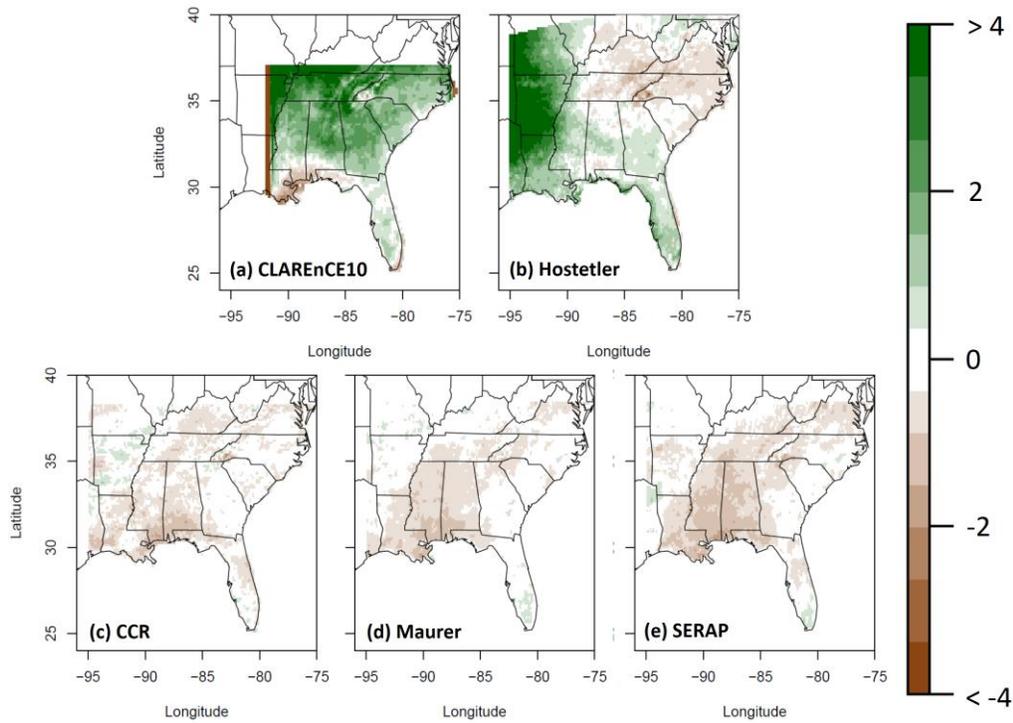
February Bias for Average Monthly Precipitation (mm/day) at 15 km resolution for (a) CLAREnCE10, (b) Hostetler, (c) CCR, (d) BCSD, and (e) SERAP



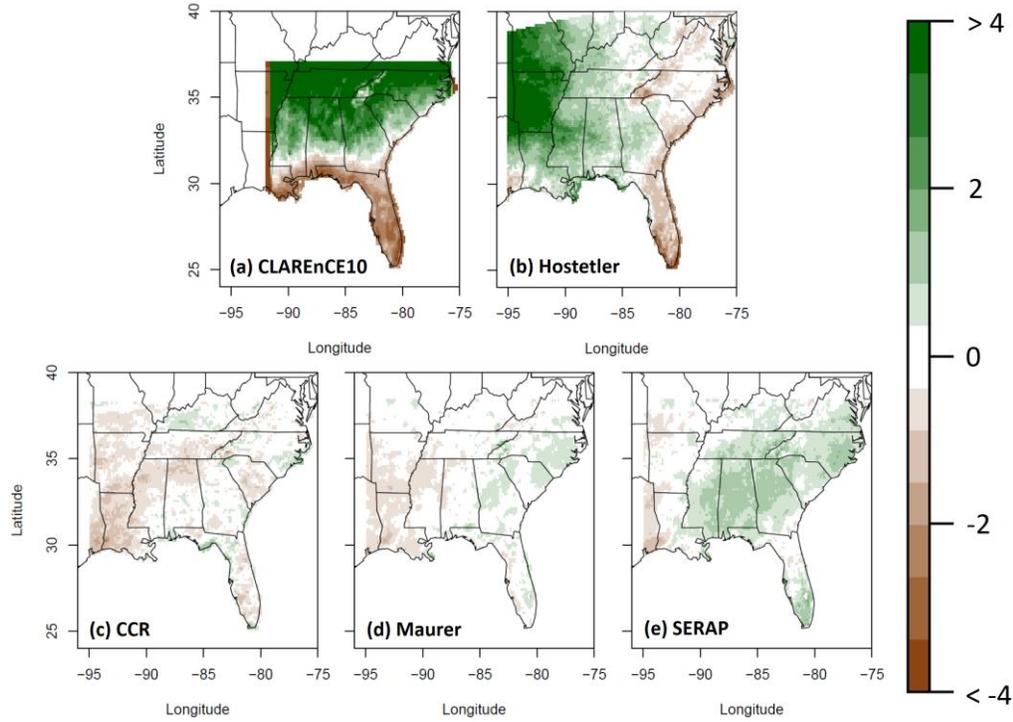
March Bias for Average Monthly Precipitation (mm/day) at 15 km resolution for (a) CLAREnCE10, (b) Hostetler, (c) CCR, (d) BCSD, and (e) SERAP



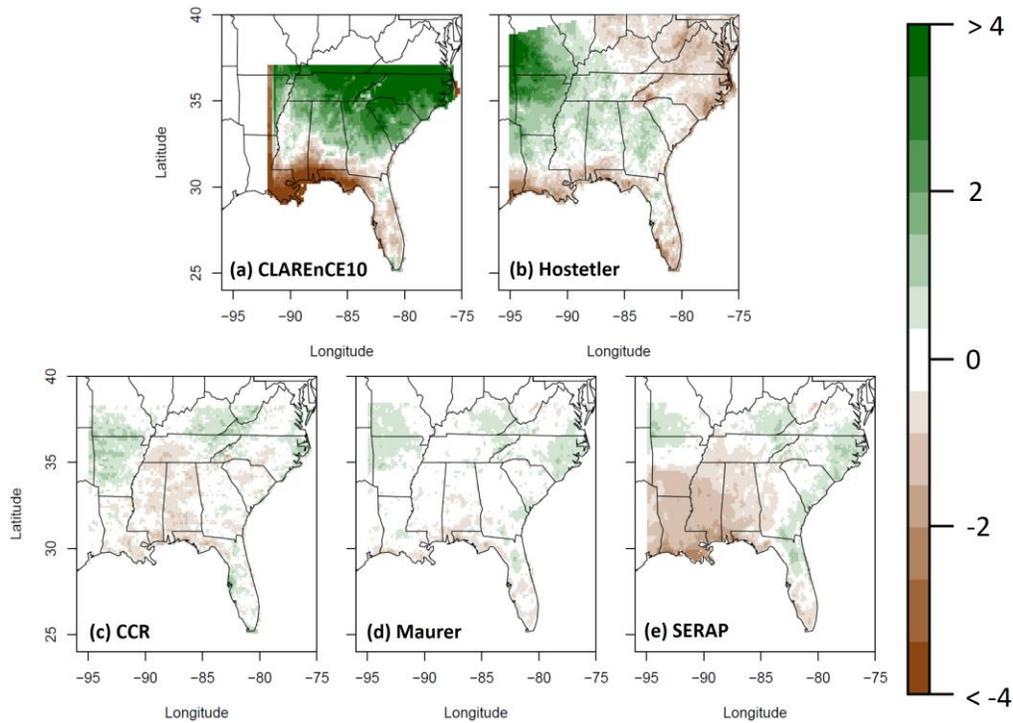
April Bias for Average Monthly Precipitation (mm/day) at 15 km resolution for (a) CLAREnCE10, (b) Hostetler, (c) CCR, (d) BCSD, and (e) SERAP



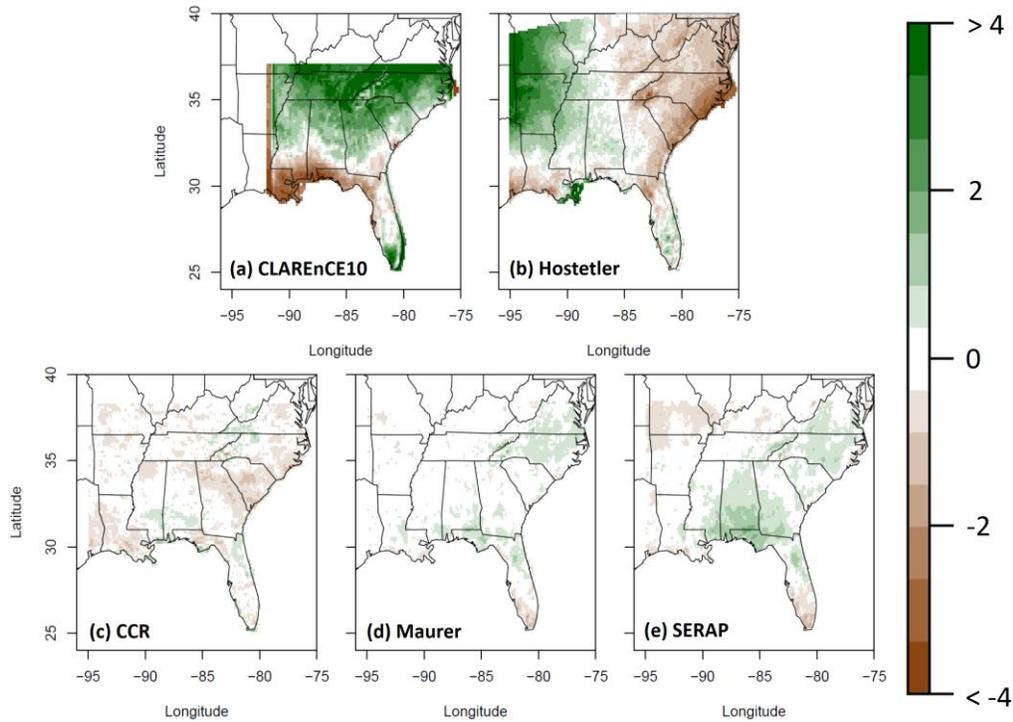
May Bias for Average Monthly Precipitation (mm/day) at 15 km resolution for (a) CLAREnCE10, (b) Hostetler, (c) CCR, (d) BCSD, and (e) SERAP



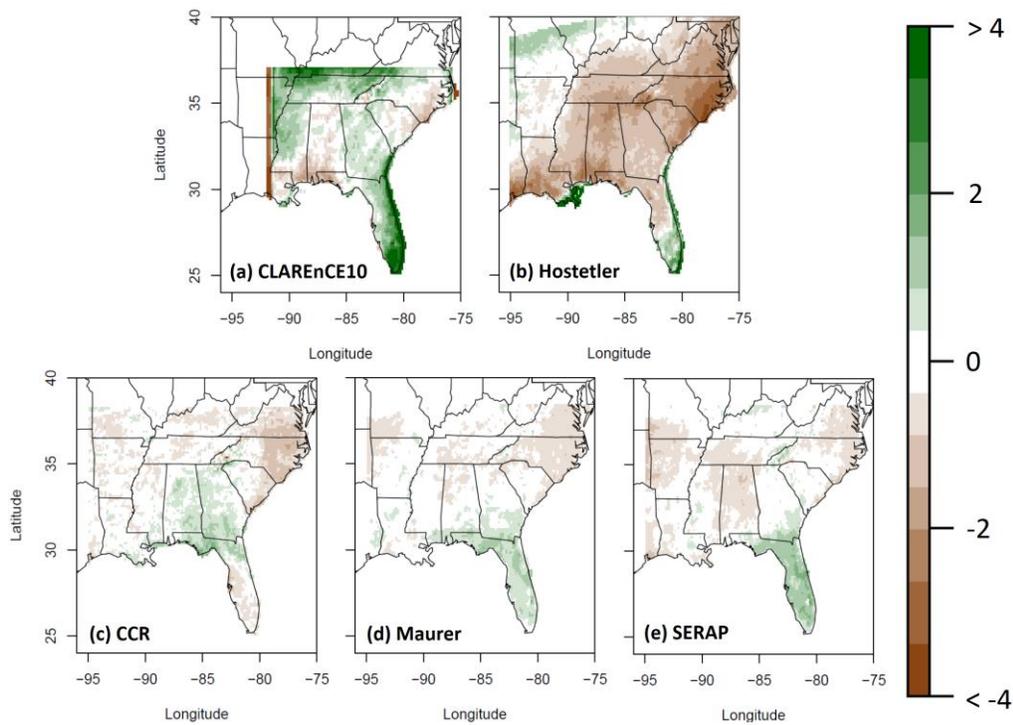
June Bias for Average Monthly Precipitation (mm/day) at 15 km resolution for (a) CLAREnCE10, (b) Hostetler, (c) CCR, (d) BCSD, and (e) SERAP



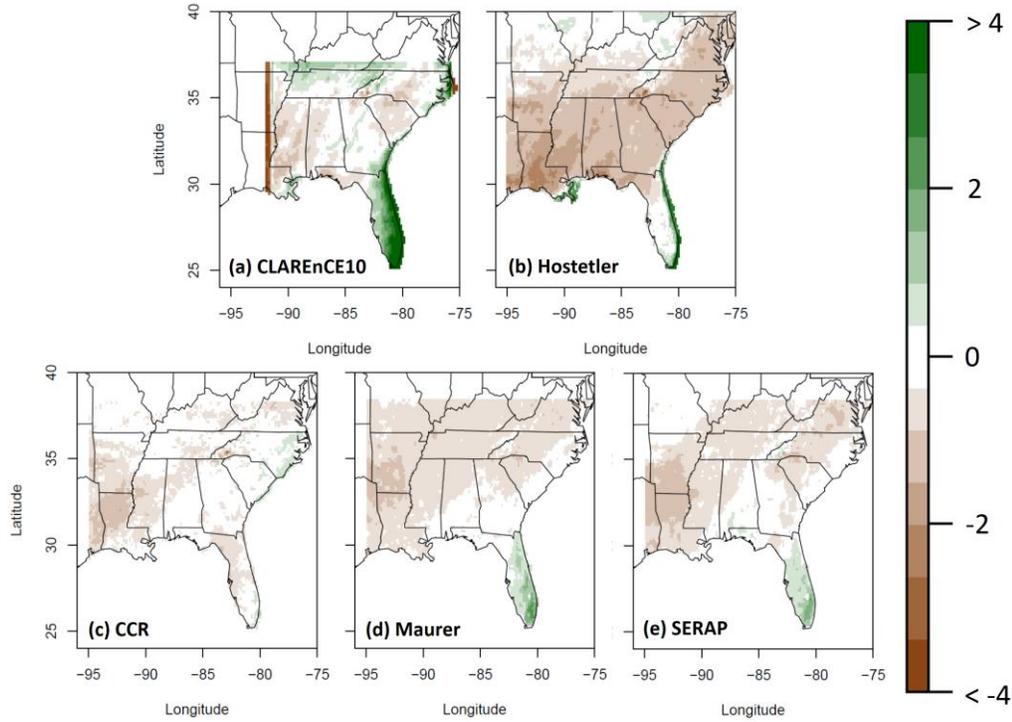
July Bias for Average Monthly Precipitation (mm/day) at 15 km resolution for (a) CLAREnCE10, (b) Hostetler, (c) CCR, (d) BCSD, and (e) SERAP



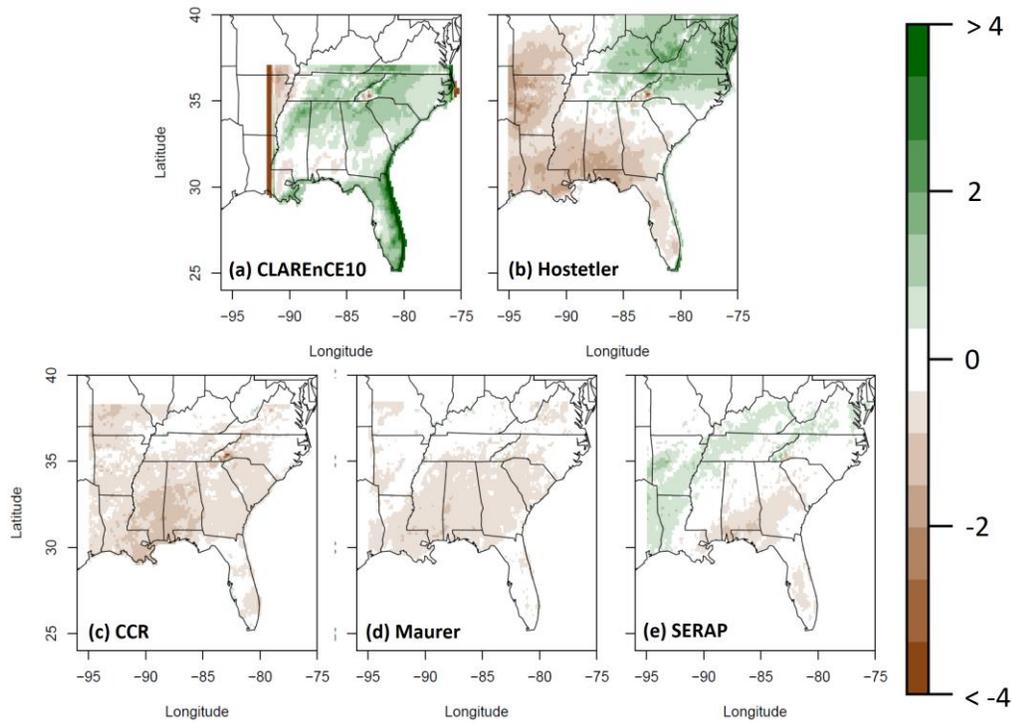
August Bias for Average Monthly Precipitation (mm/day) at 15 km resolution for (a) CLAREnCE10, (b) Hostetler, (c) CCR, (d) BCSD, and (e) SERAP



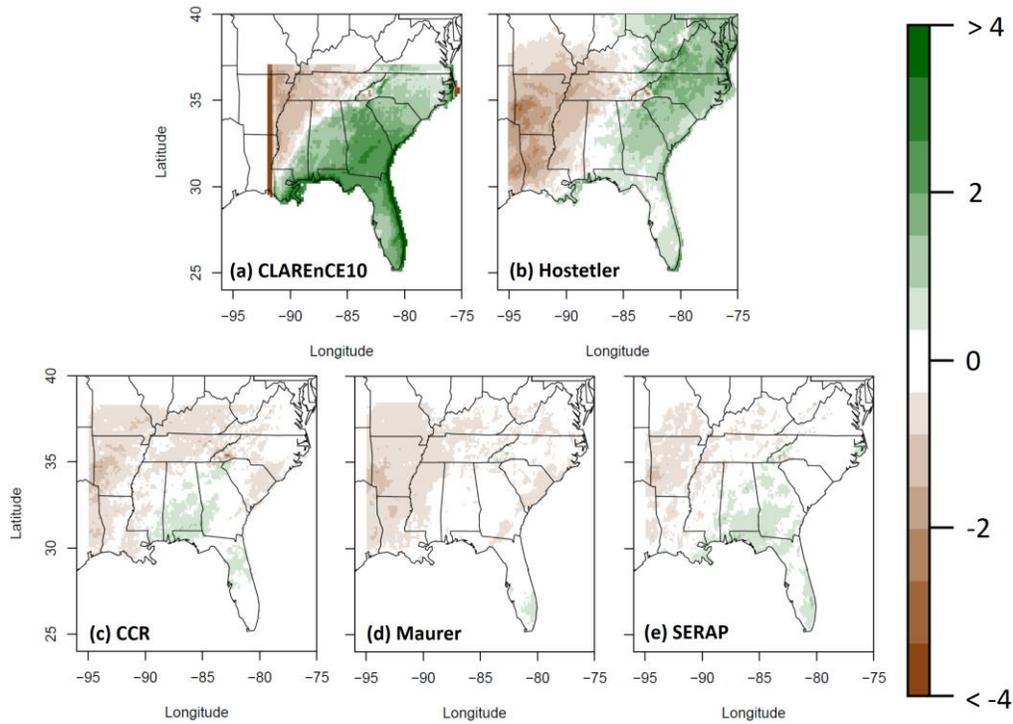
September Bias for Average Monthly Precipitation (mm/day) at 15 km resolution for (a) CLAREnCE10, (b) Hostetler, (c) CCR, (d) BCSD, and (e) SERAP



October Bias for Average Monthly Precipitation (mm/day) at 15 km resolution for (a) CLAREnCE10, (b) Hostetler, (c) CCR, (d) BCSD, and (e) SERAP

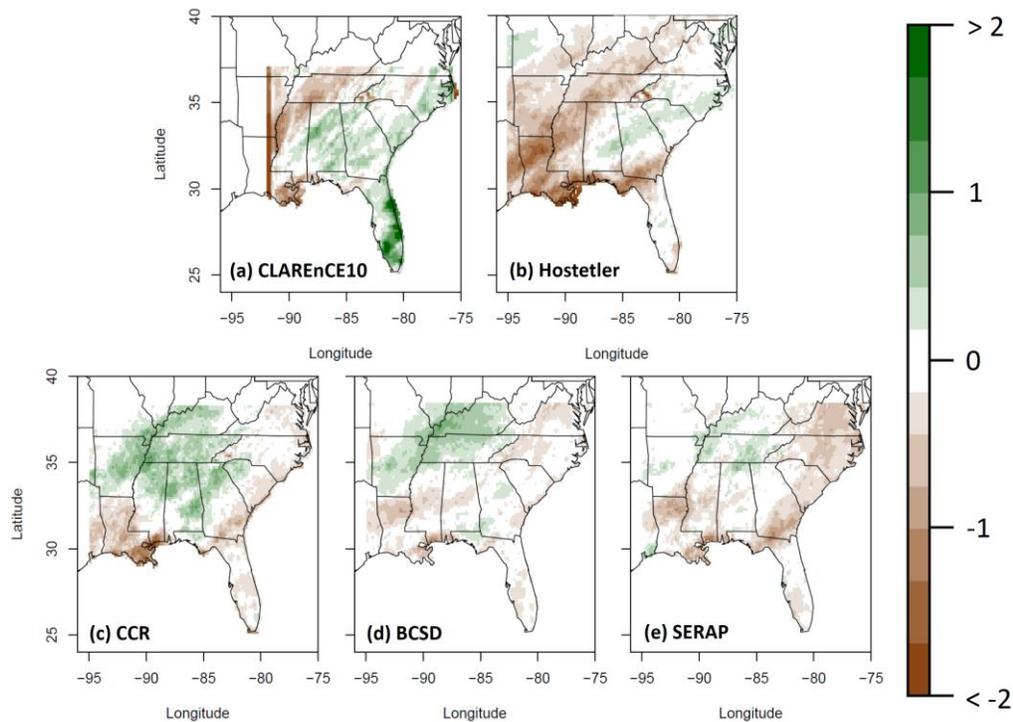


November Bias for Average Monthly Precipitation (mm/day) at 15 km resolution for (a) CLAREnCE10, (b) Hostetler, (c) CCR, (d) BCSD, and (e) SERAP

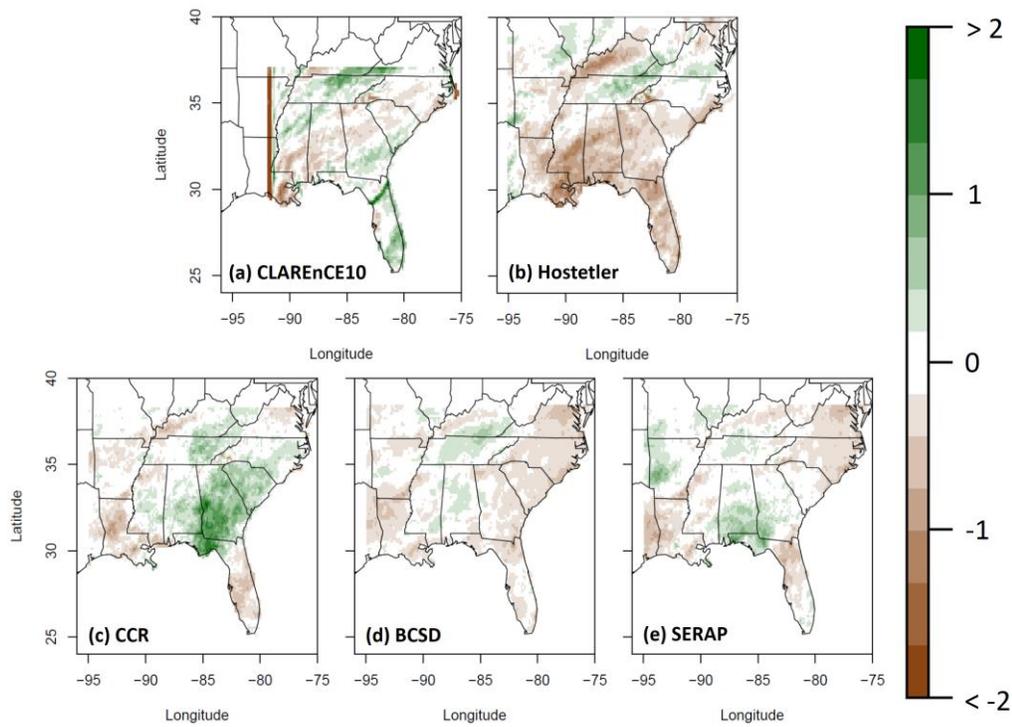


December Bias for Average Monthly Precipitation (mm/day) at 15 km resolution for (a) CLAREnCE10, (b) Hostetler, (c) CCR, (d) BCSD, and (e) SERAP

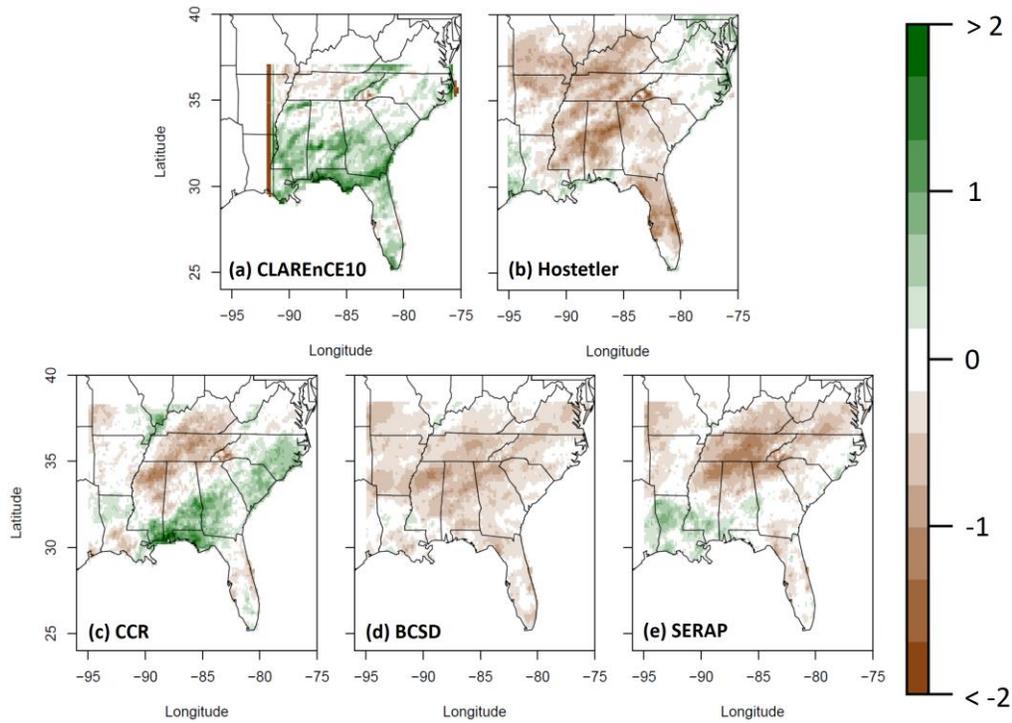
Standard Deviation Difference for Average Monthly Precipitation – 15 km



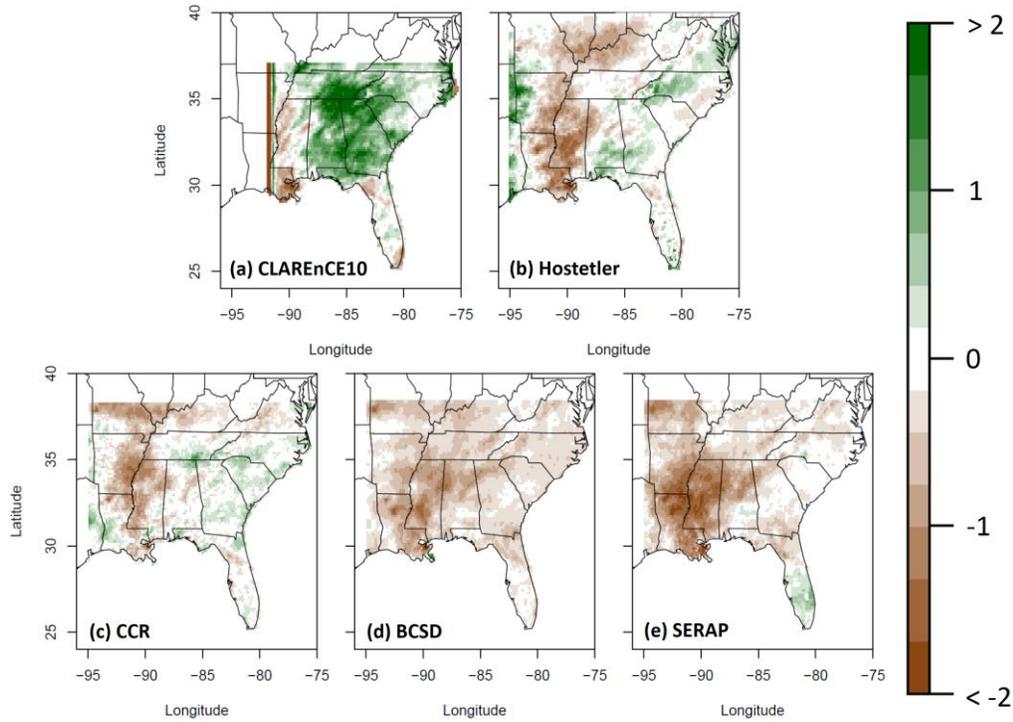
January Standard Deviation Difference for Average Monthly Precipitation (mm/day) at 15 km resolution for (a) CLAREnCE10, (b) Hostetler, (c) CCR, (d) BCSD, and (e) SERAP



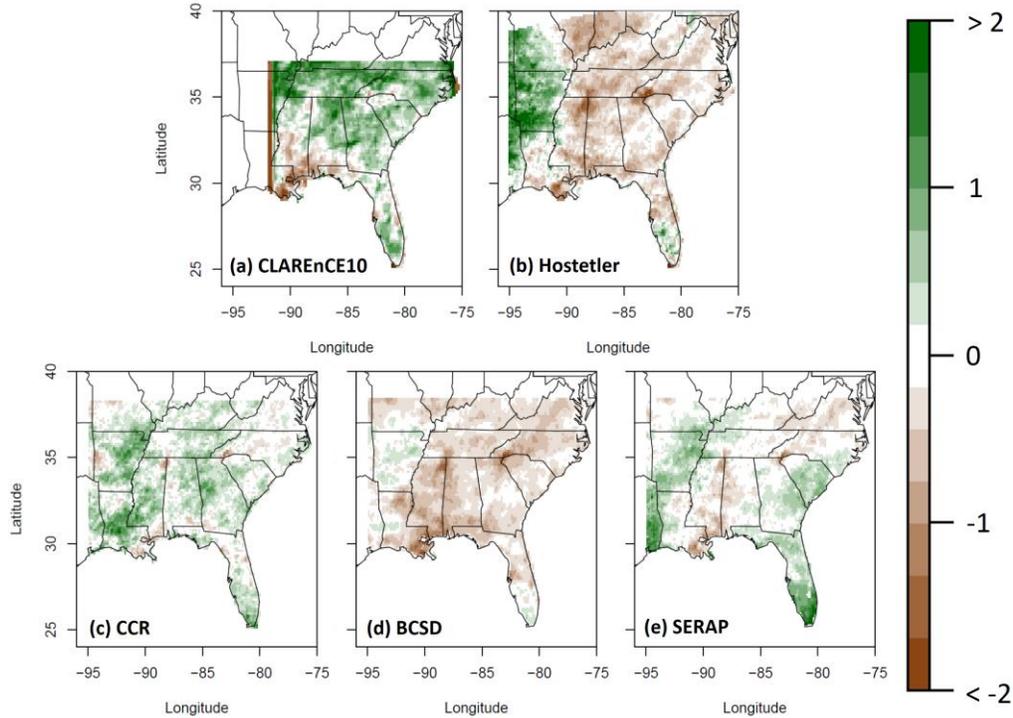
February Standard Deviation Difference for Average Monthly Precipitation (mm/day) at 15 km resolution for (a) CLAREnCE10, (b) Hostetler, (c) CCR, (d) BCSD, and (e) SERAP



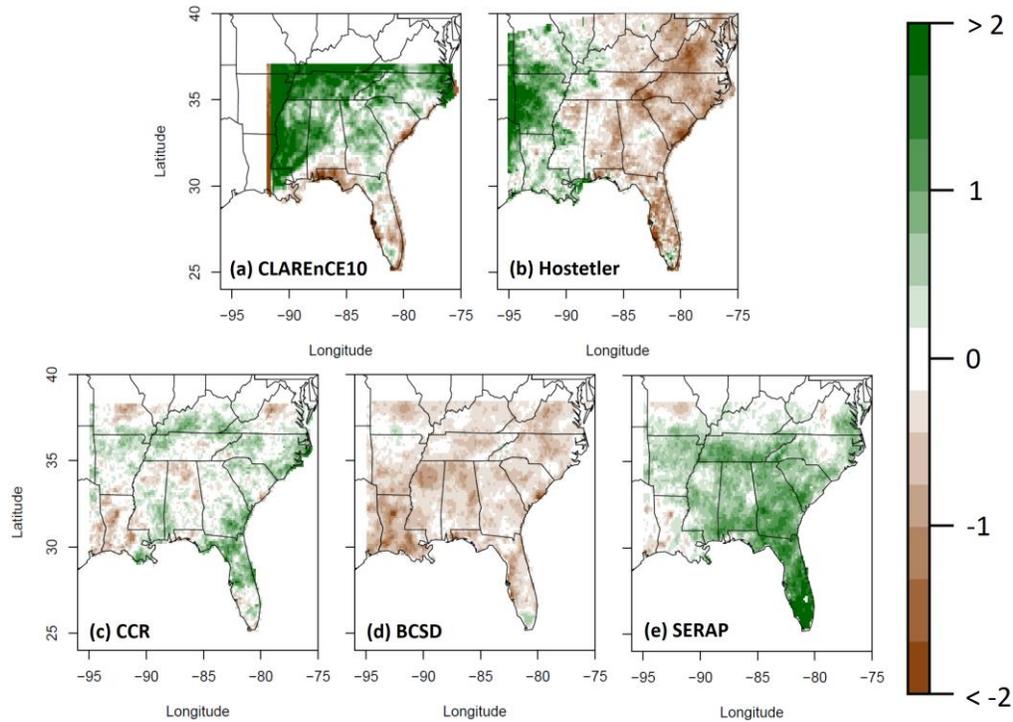
March Standard Deviation Difference for Average Monthly Precipitation (mm/day) at 15 km resolution for (a) CLAREnCE10, (b) Hostetler, (c) CCR, (d) BCSD, and (e) SERAP



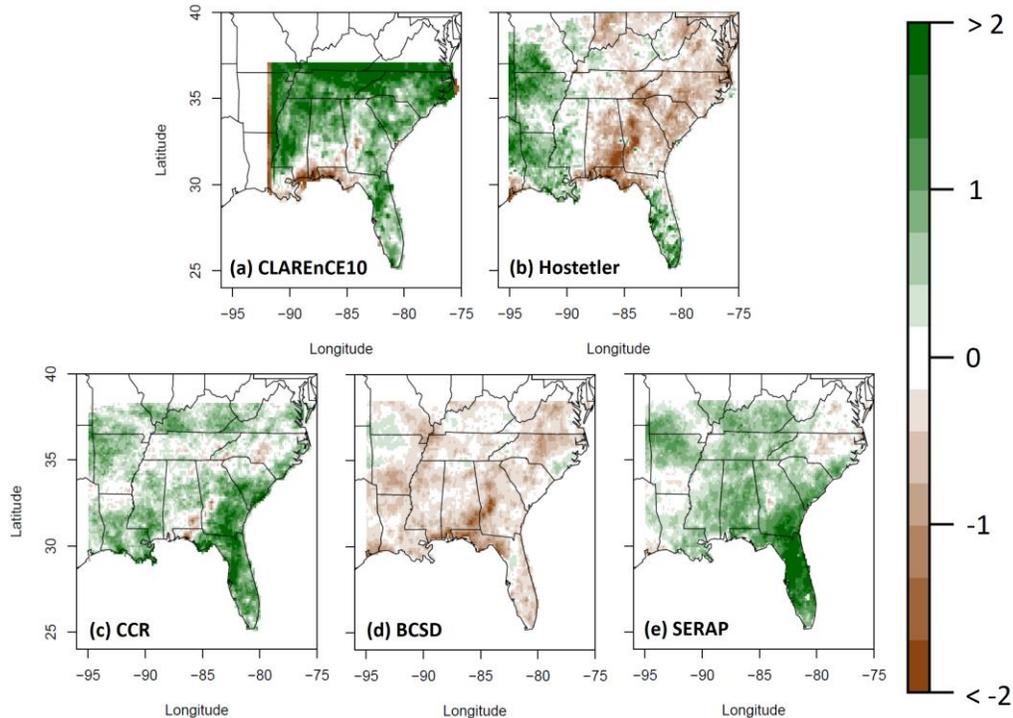
April Standard Deviation Difference for Average Monthly Precipitation (mm/day) at 15 km resolution for (a) CLAREnCE10, (b) Hostetler, (c) CCR, (d) BCSD, and (e) SERAP



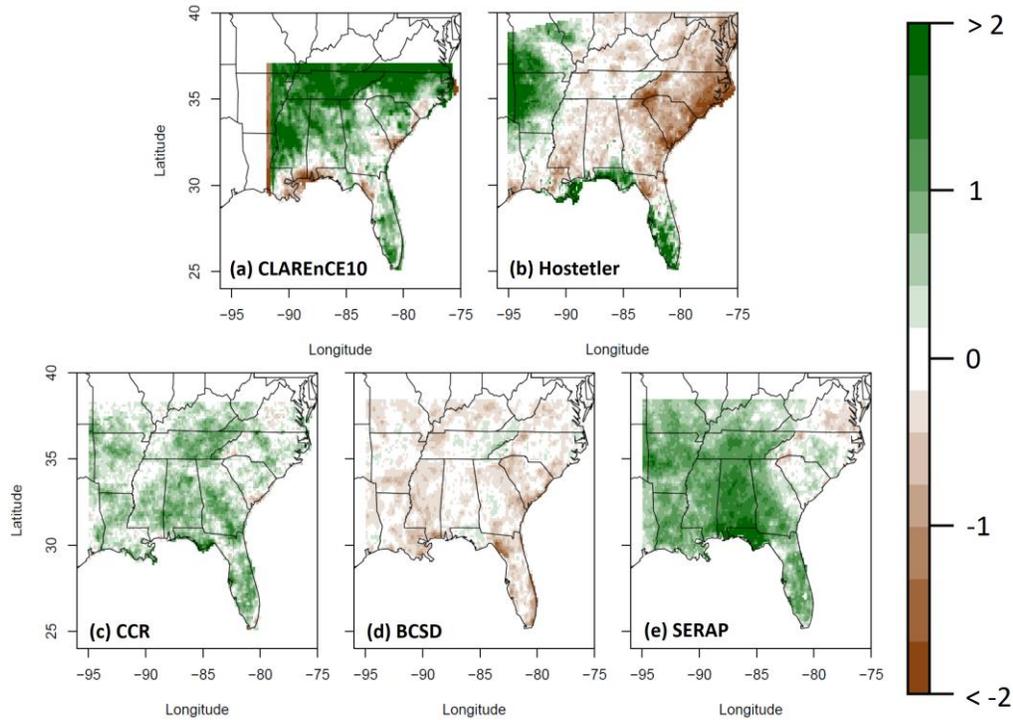
May Standard Deviation Difference for Average Monthly Precipitation (mm/day) at 15 km resolution for (a) CLAREnCE10, (b) Hostetler, (c) CCR, (d) BCSD, and (e) SERAP



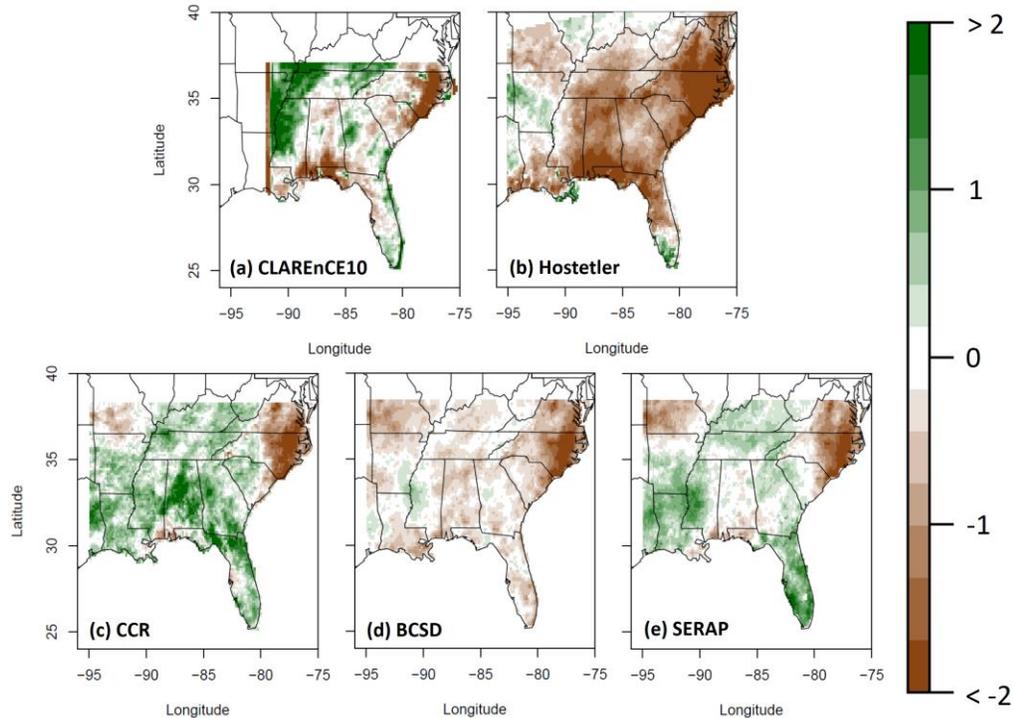
June Standard Deviation Difference for Average Monthly Precipitation (mm/day) at 15 km resolution for (a) CLAREnCE10, (b) Hostetler, (c) CCR, (d) BCSD, and (e) SERAP



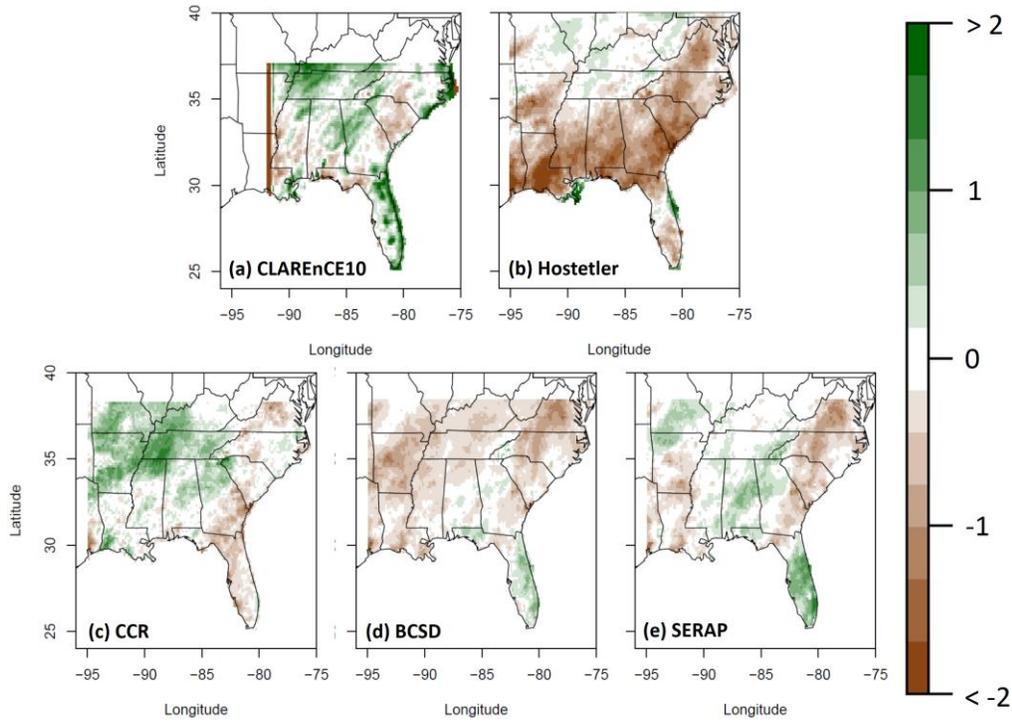
July Standard Deviation Difference for Average Monthly Precipitation (mm/day) at 15 km resolution for (a) CLAREnCE10, (b) Hostetler, (c) CCR, (d) BCSD, and (e) SERAP



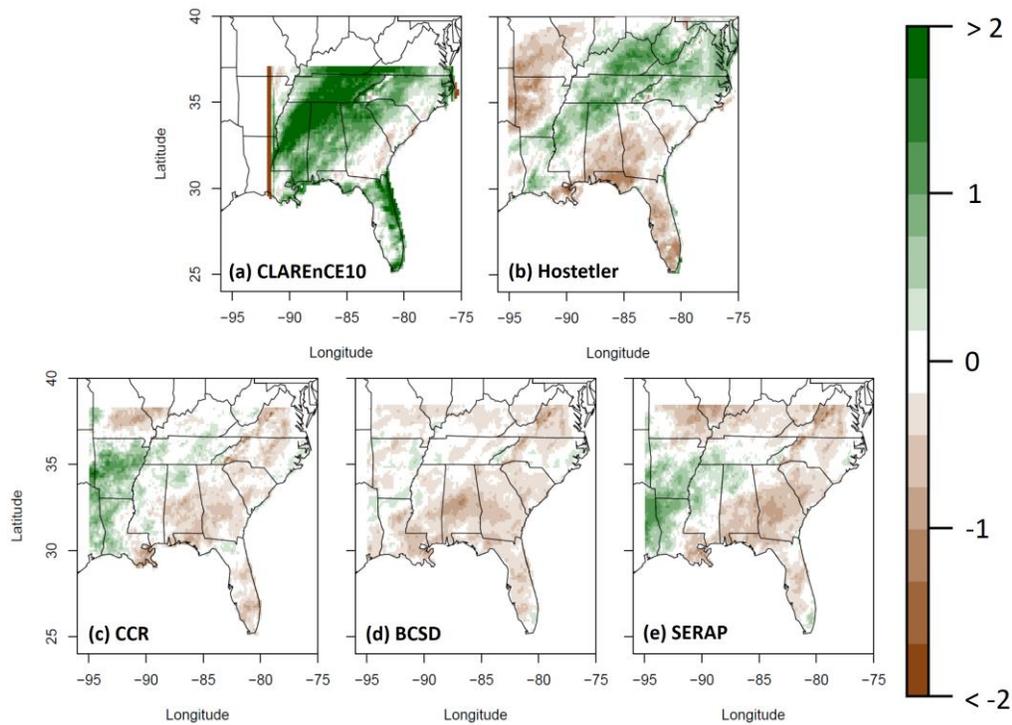
August Standard Deviation Difference for Average Monthly Precipitation (mm/day) at 15 km resolution for (a) CLAREnCE10, (b) Hostetler, (c) CCR, (d) BCSD, and (e) SERAP



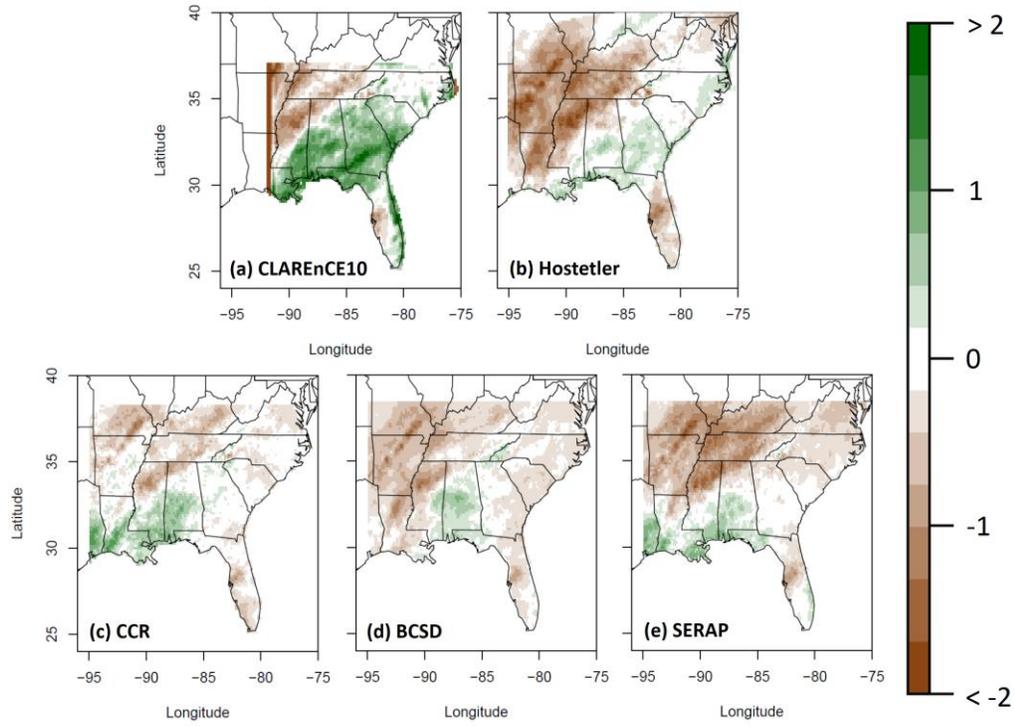
September Standard Deviation Difference for Average Monthly Precipitation (mm/day) at 15 km resolution for (a) CLAREnCE10, (b) Hostetler, (c) CCR, (d) BCSD, and (e) SERAP



October Standard Deviation Difference for Average Monthly Precipitation (mm/day) at 15 km resolution for (a) CLAREnCE10, (b) Hostetler, (c) CCR, (d) BCSD, and (e) SERAP



November Standard Deviation Difference for Average Monthly Precipitation (mm/day) at 15 km resolution for (a) CLAREnCE10, (b) Hostetler, (c) CCR, (d) BCSD, and (e) SERAP



December Standard Deviation Difference for Average Monthly Precipitation (mm/day) at 15 km resolution for (a) CLAREnCE10, (b) Hostetler, (c) CCR, (d) BCSD, and (e) SERAP