

Spatiotemporal Analysis of Extreme Rainfall Frequency in the Northeast Region of Brazil

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NC subregion

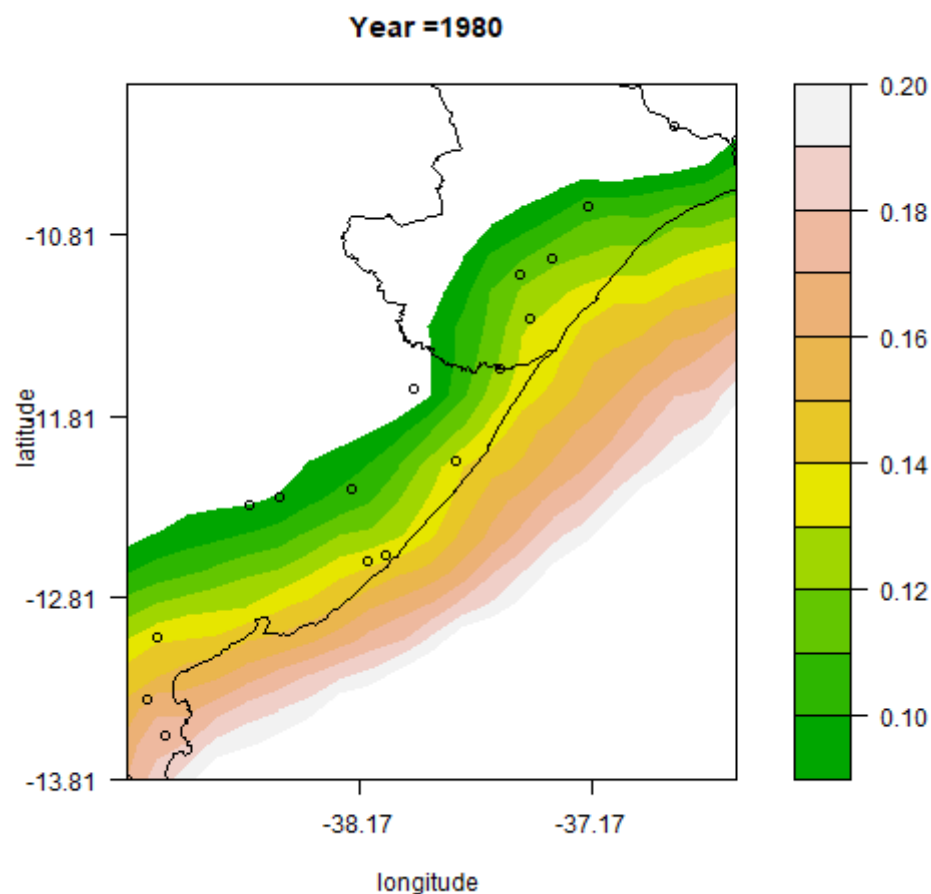


Figure S1. meanNC10mm.gif: Animation of surface estimated for R10mm index in the NC subregion in the years 1980 to 2010.

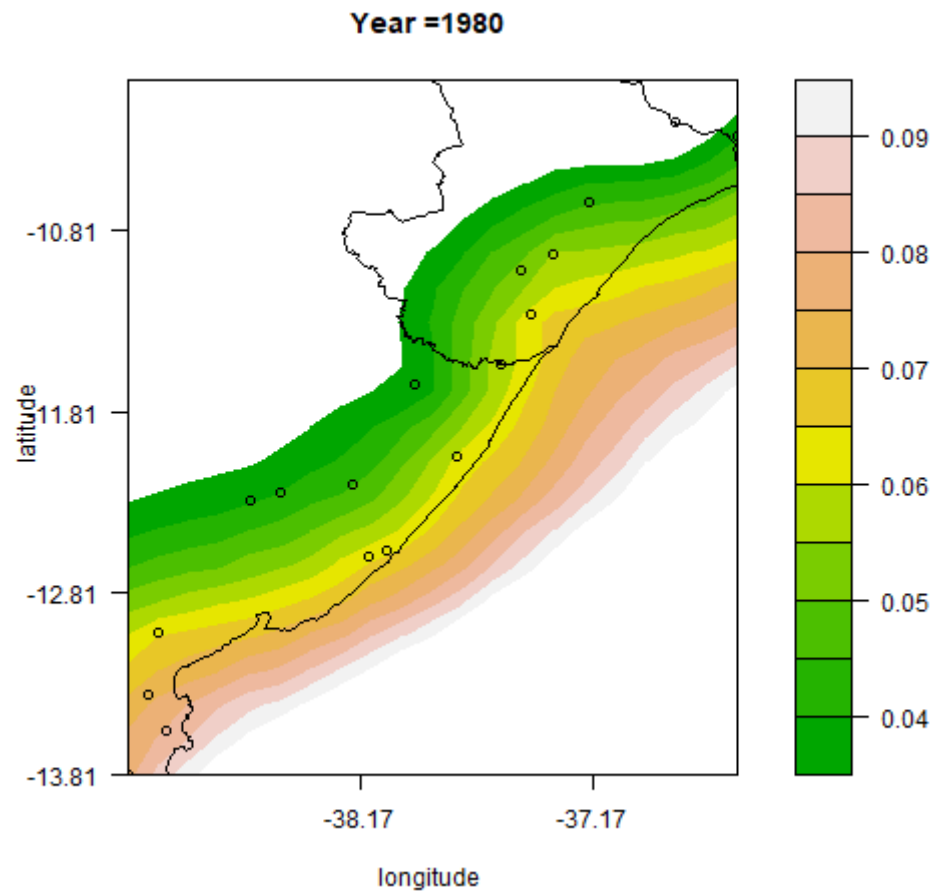


Figure S2. meanNC20mm.gif: Animation of surface estimated for R20mm index in the NC subregion in the years 1980 to 2010.

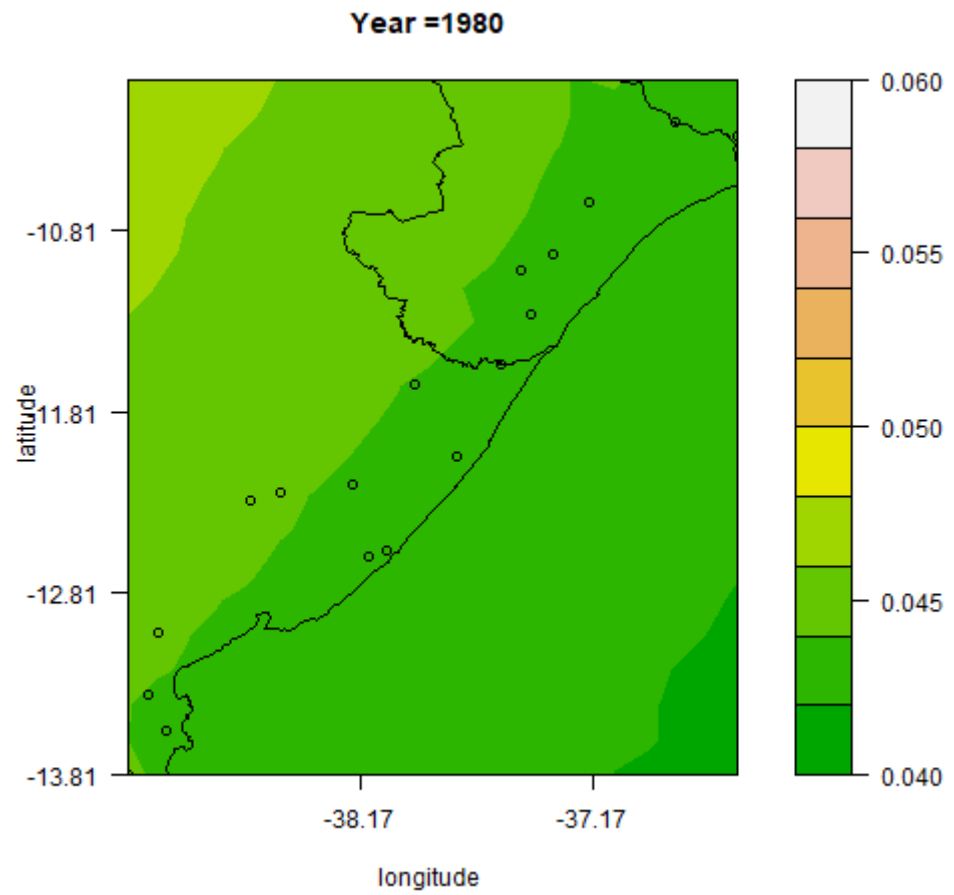


Figure S3. meanNC95p.gif: Animation of surface estimated for R^* index in the NC subregion in the years 1980 to 2010.

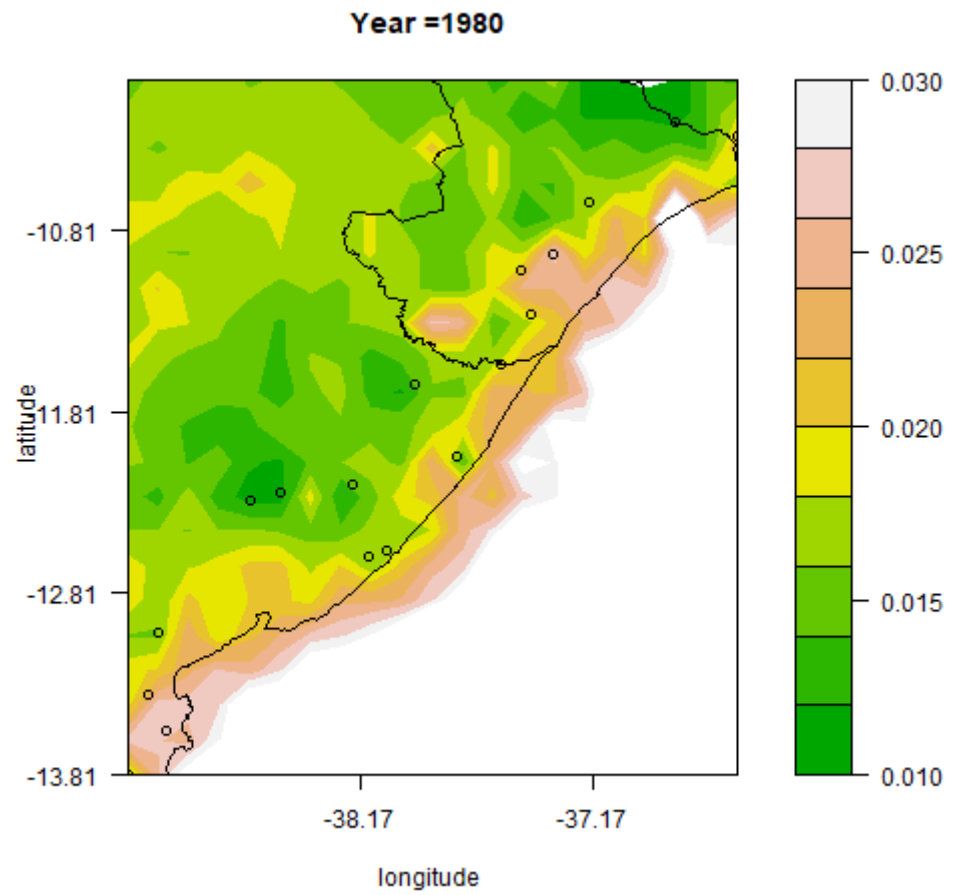


Figure S4. Scheme 10. mm.gif: Animation of surface estimated for the standard deviation of R10mm index in the NC subregion in the years 1980 to 2010.

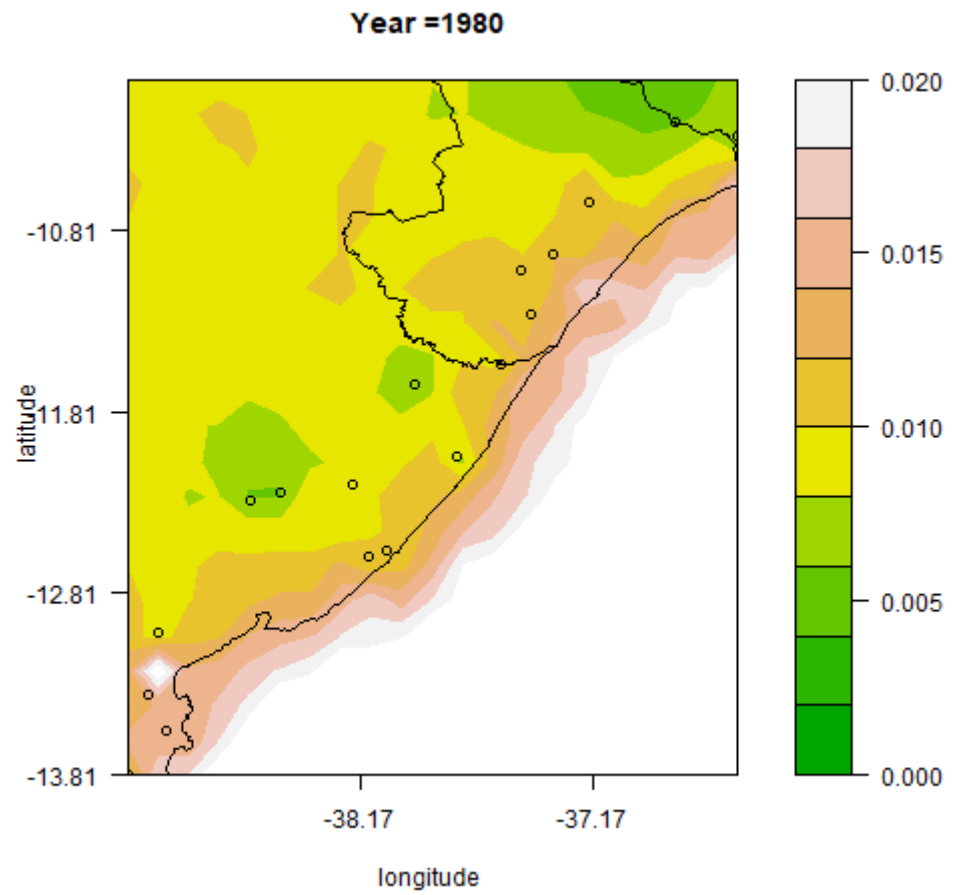


Figure S5. Scheme 20. mm.gif: Animation of surface estimated for the standard deviation of R20mm index in the NC subregion in the years 1980 to 2010.

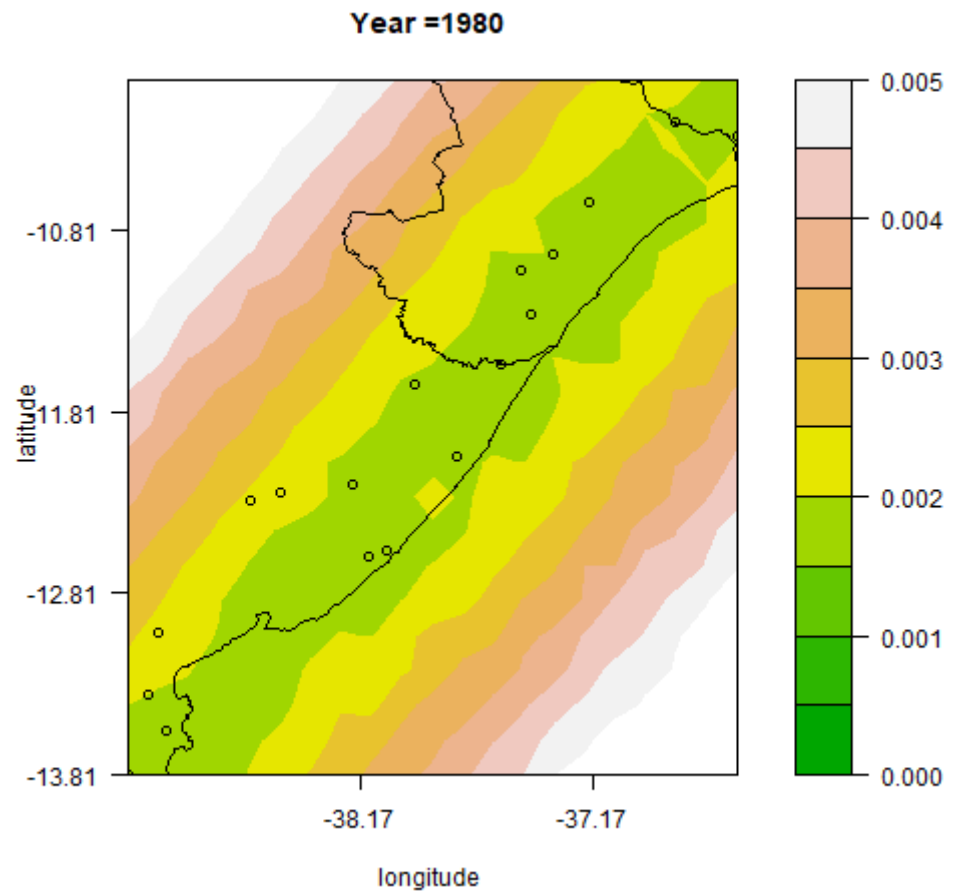


Figure S6. Scheme 95. p.gif: Animation of surface estimated for the standard deviation of R^* index in the NC subregion in the years 1980 to 2010.

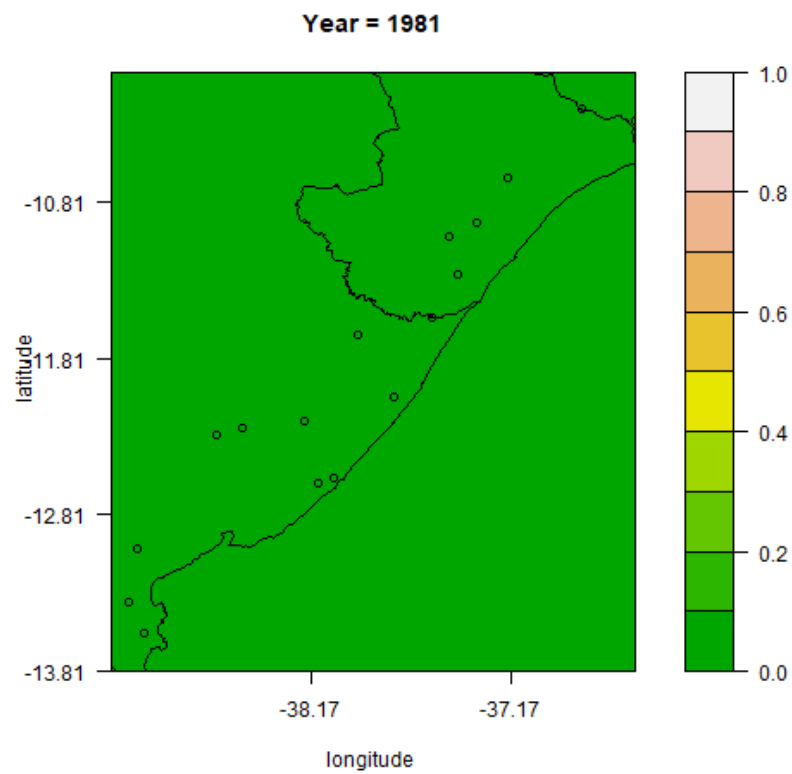


Figure S7. INTNC95p.gif: Hypothesis testing: $H_0: R^*(s)=0.05$ against $H_1: R^*(s) \neq 0.05$, for any s in the subregion NC. Let $I(s)=1$ if we reject H_0 and $I(s)=0$ in any other case. In this file, we show the animation of surface estimated for I in the NC subregion in the years 1980 to 2010.

NS subregion

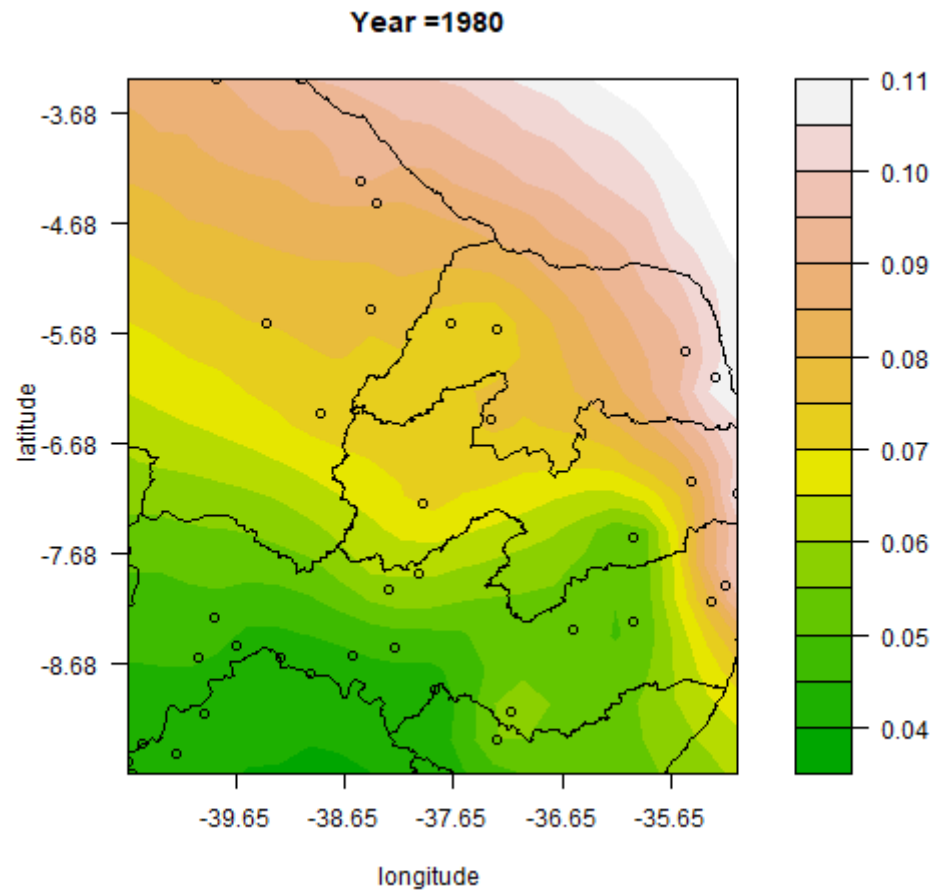


Figure S8. meanNS10mm.gif: Animation of surface estimated for R10mm index in the NS subregion in the years 1980 to 2010.

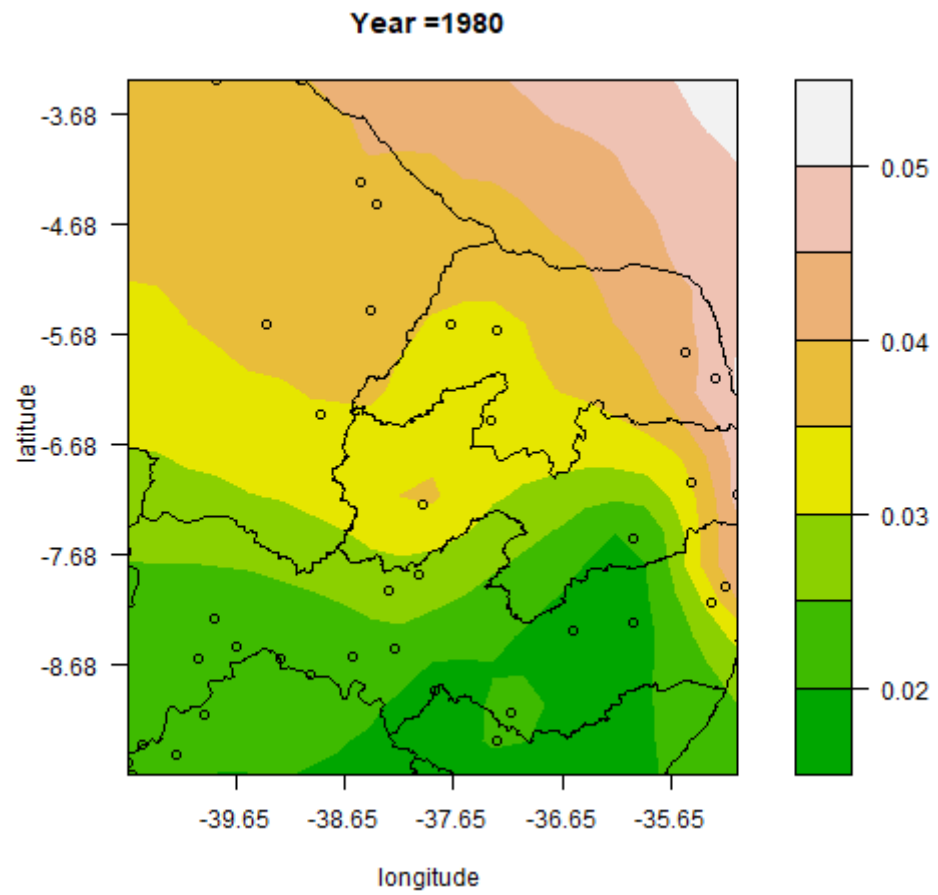


Figure S9. meanNS20mm.gif: Animation of surface estimated for R20mm index in the NS subregion in the years 1980 to 2010.

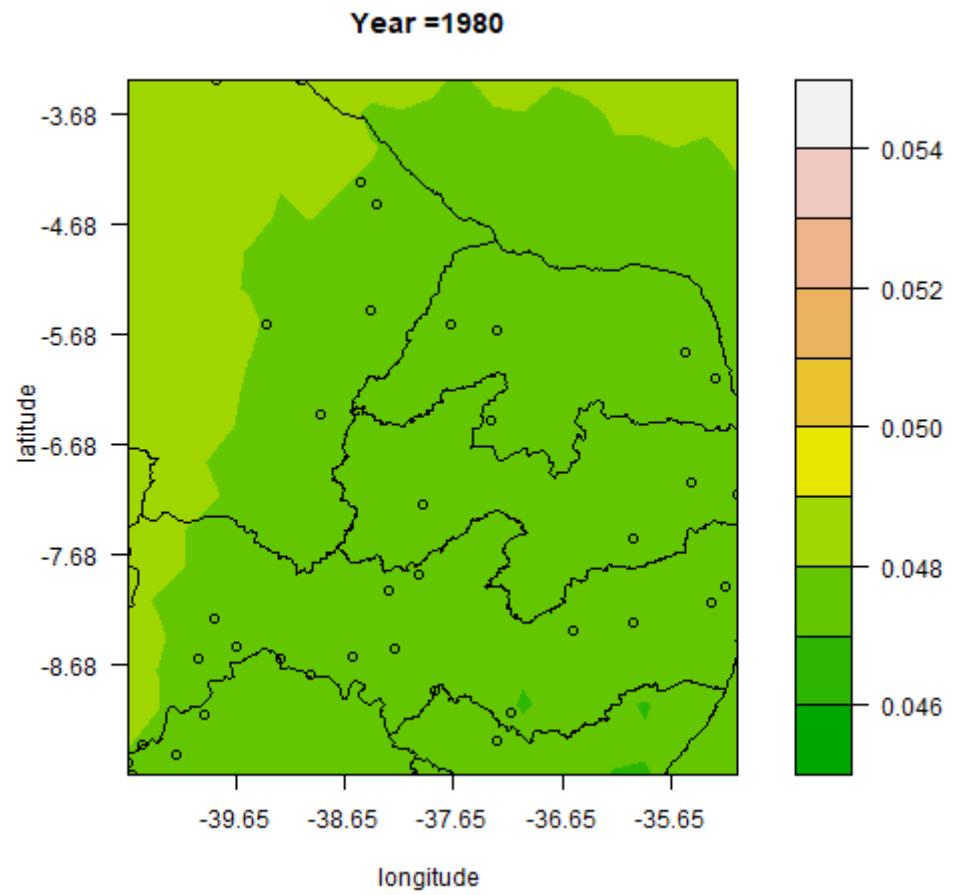


Figure S10. meanNS95p.gif: Animation of surface estimated for R^* index in the NS subregion in the years 1980 to 2010.

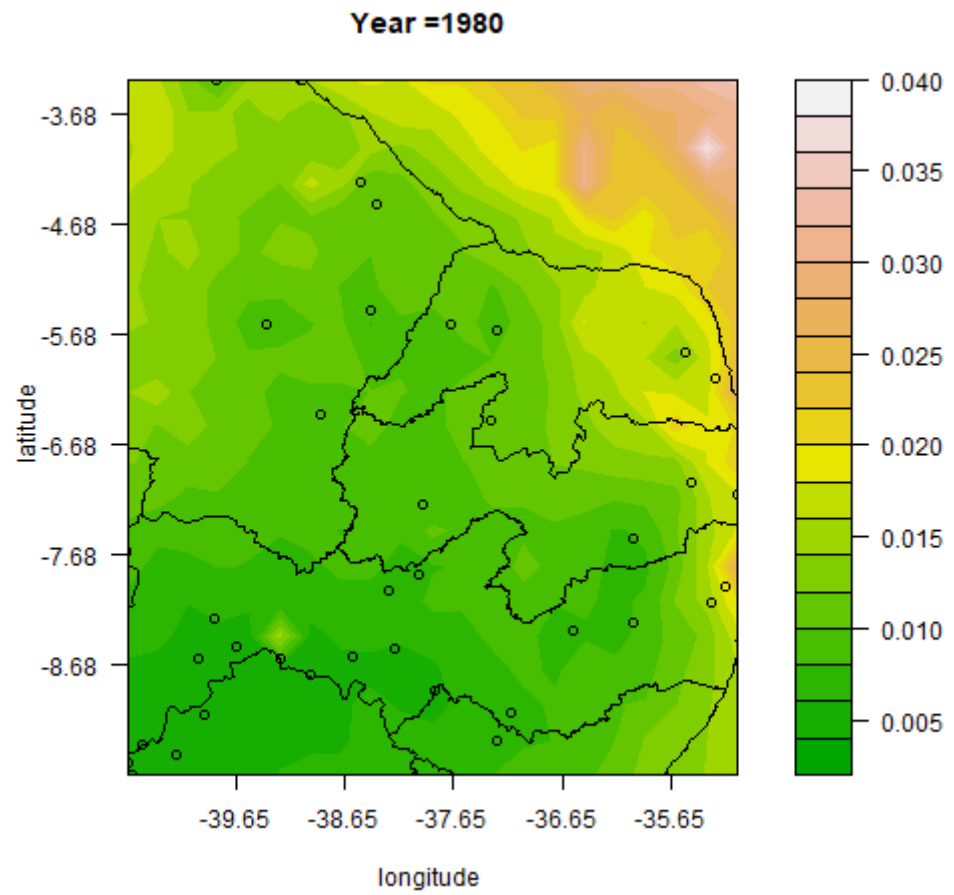


Figure S11. SDNS10mm.gif: Animation of surface estimated for the standard deviation of R10mm index in the NS subregion in the years 1980 to 2010.

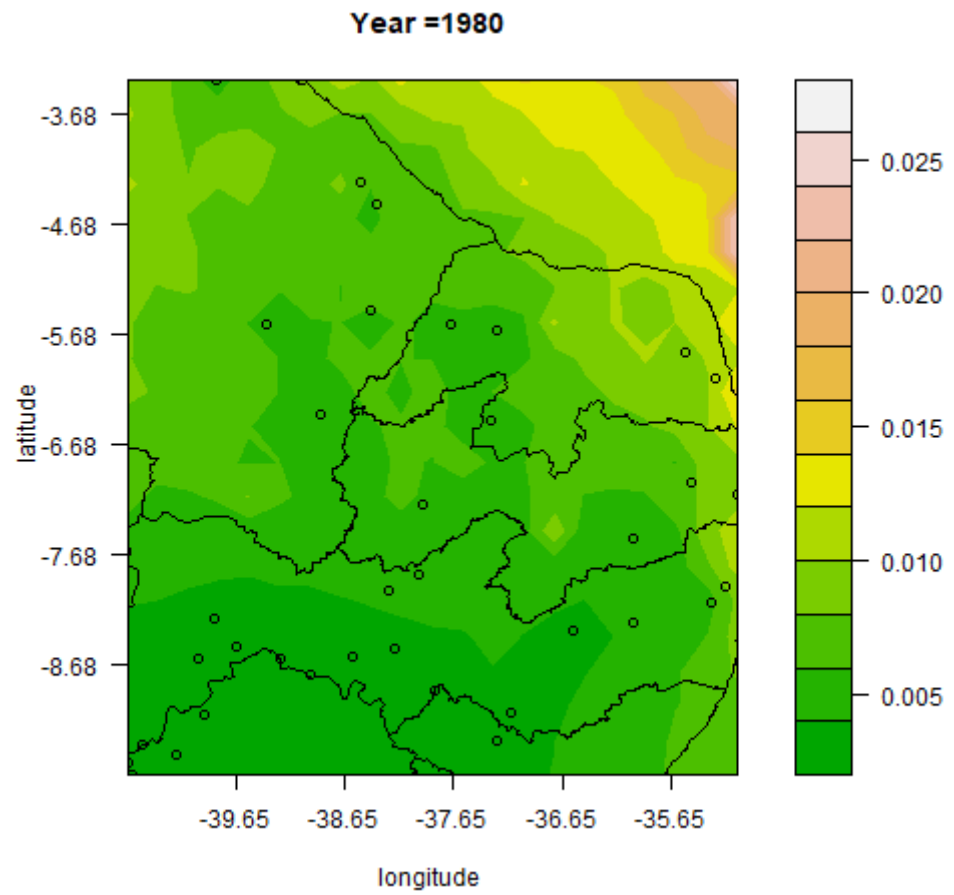


Figure S11. SDNS20mm.gif: Animation of surface estimated for the standard deviation of R20mm index in the NS subregion in the years 1980 to 2010.

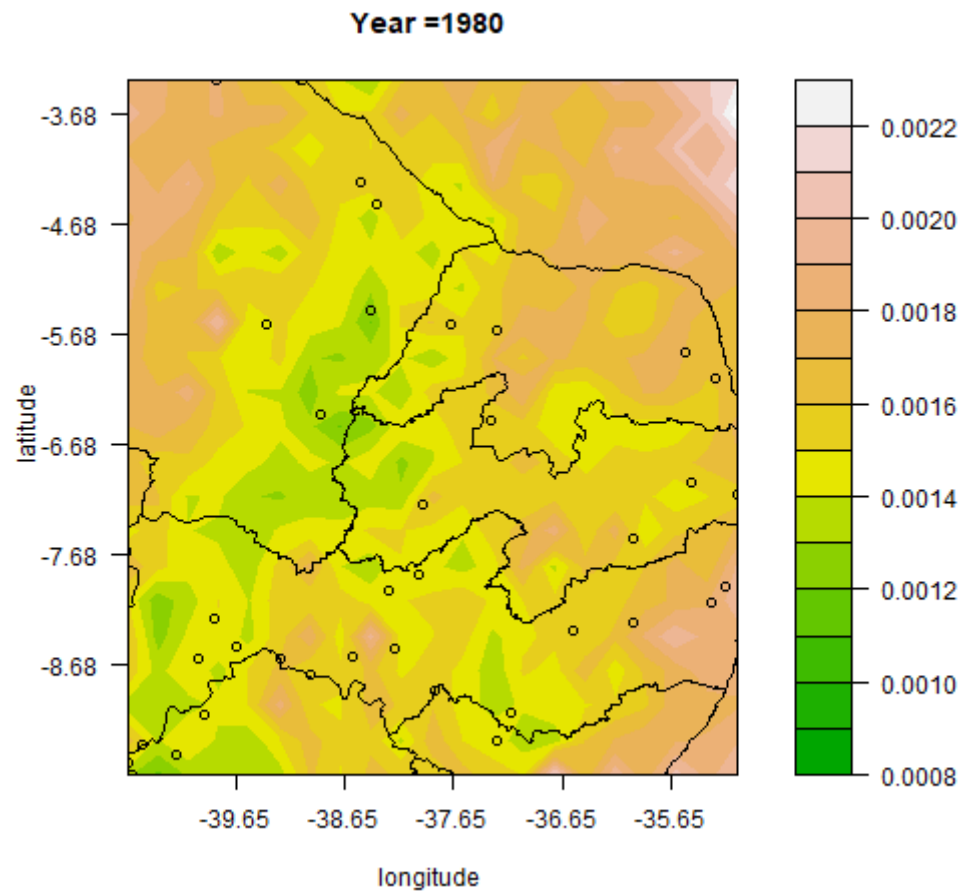


Figure S12. SDNS95p.gif: Animation of surface estimated for the standard deviation of R^* index in the NS subregion in the years 1980 to 2010.

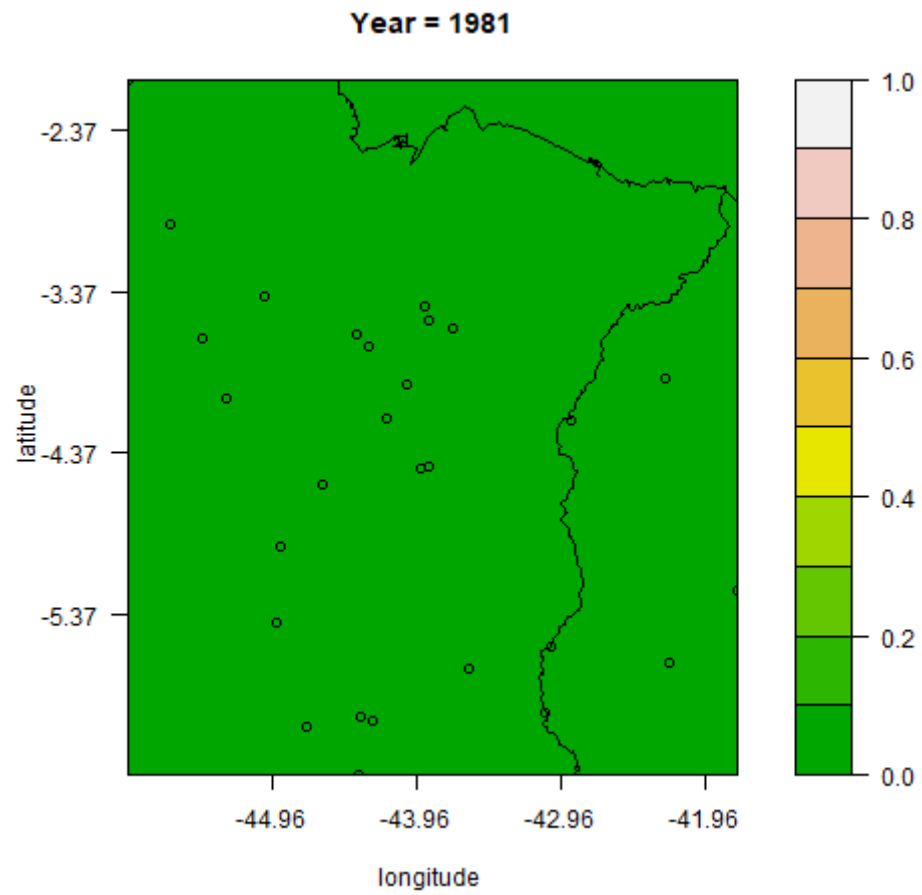


Figure S13. INTNS95p.gif: Hypothesis testing: $H_0: R^*(s)=0.05$ against $H_1: R^*(s) \neq 0.05$, for any s in the subregion NS. Let $I(s)=1$ if we reject H_0 and $I(s)=0$ in any other case. In this file, we show the animation of surface estimated for I in the NS subregion in the years 1980 to 2010.

NO subregion

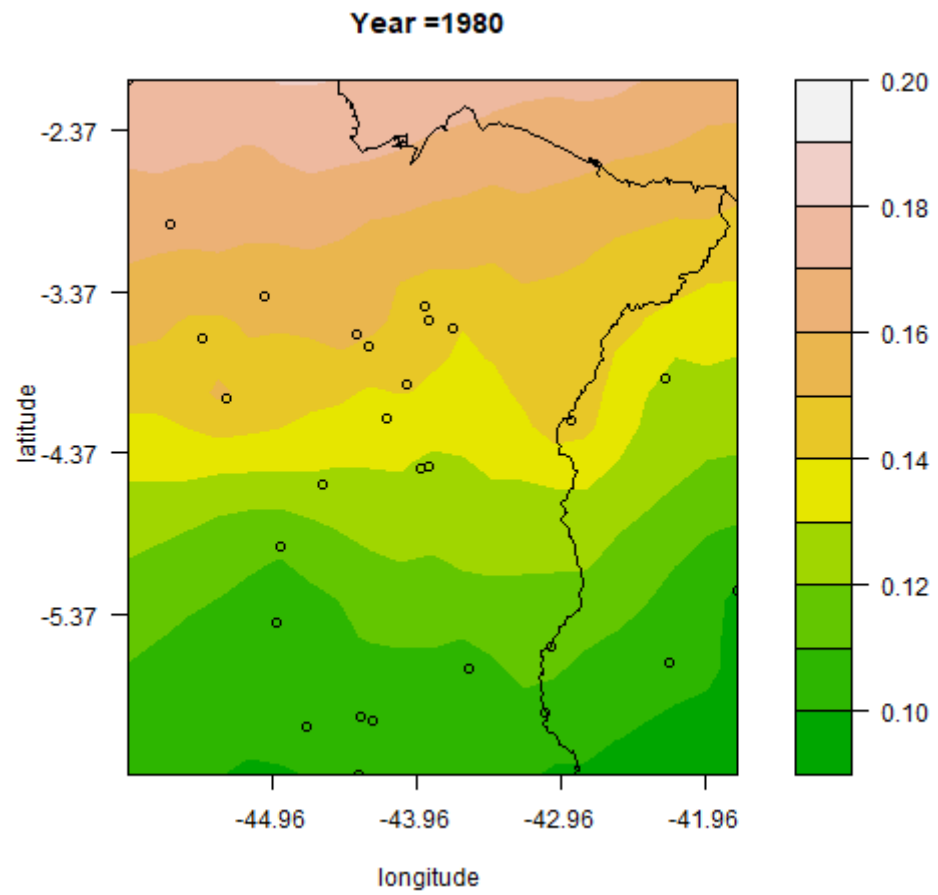


Figure S14. meanNO10mm.gif: Animation of surface estimated for R10mm index in the NO subregion in the years 1980 to 2010.

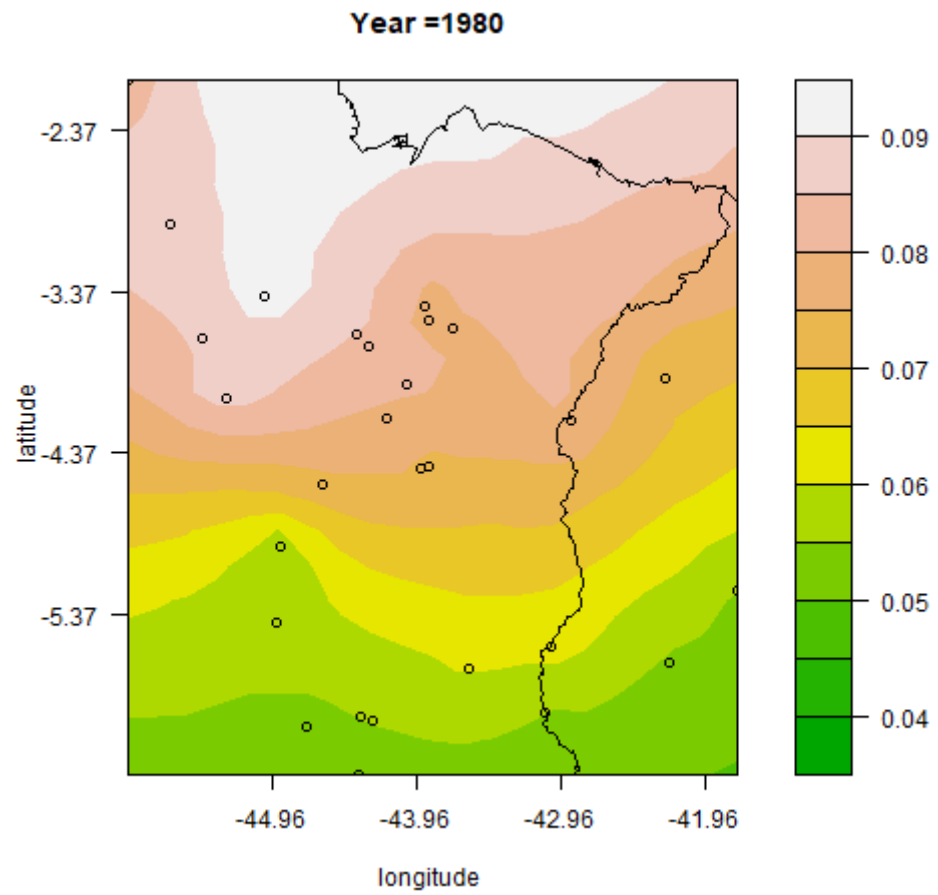


Figure S15. meanNO20mm.gif: Animation of surface estimated for R20mm index in the NO subregion in the years 1980 to 2010.

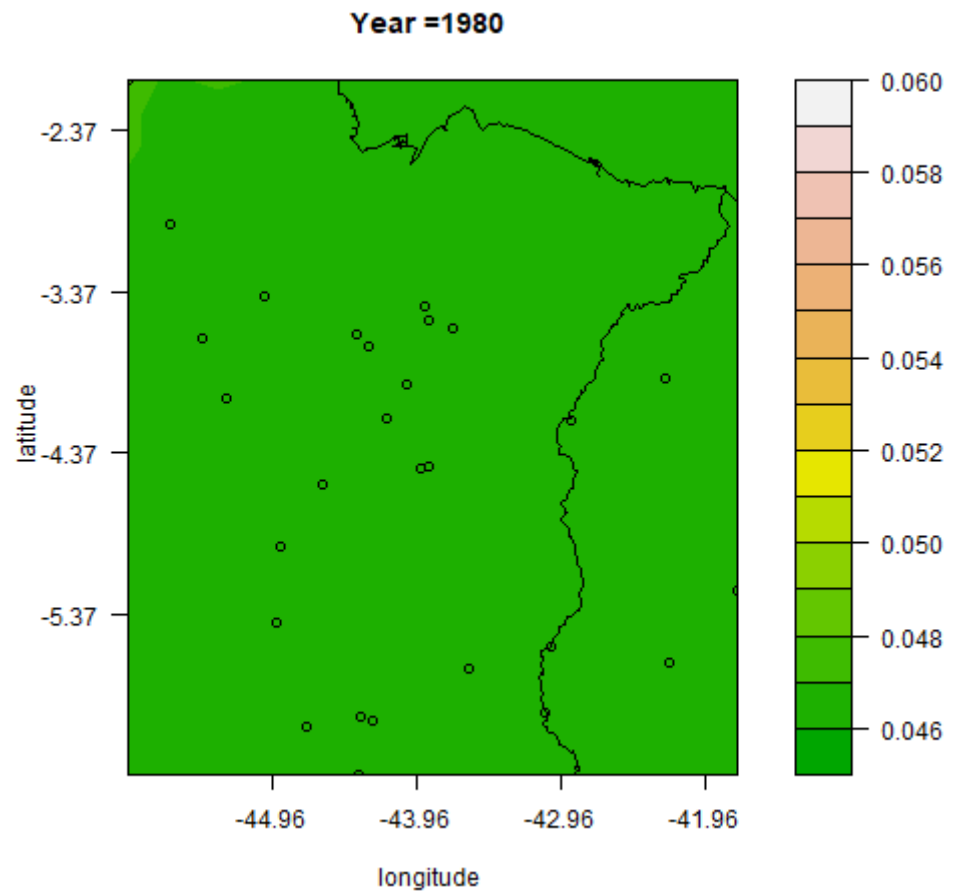


Figure S16. meanNO95p.gif: Animation of surface estimated for R^* index in the NO subregion in the years 1980 to 2010.

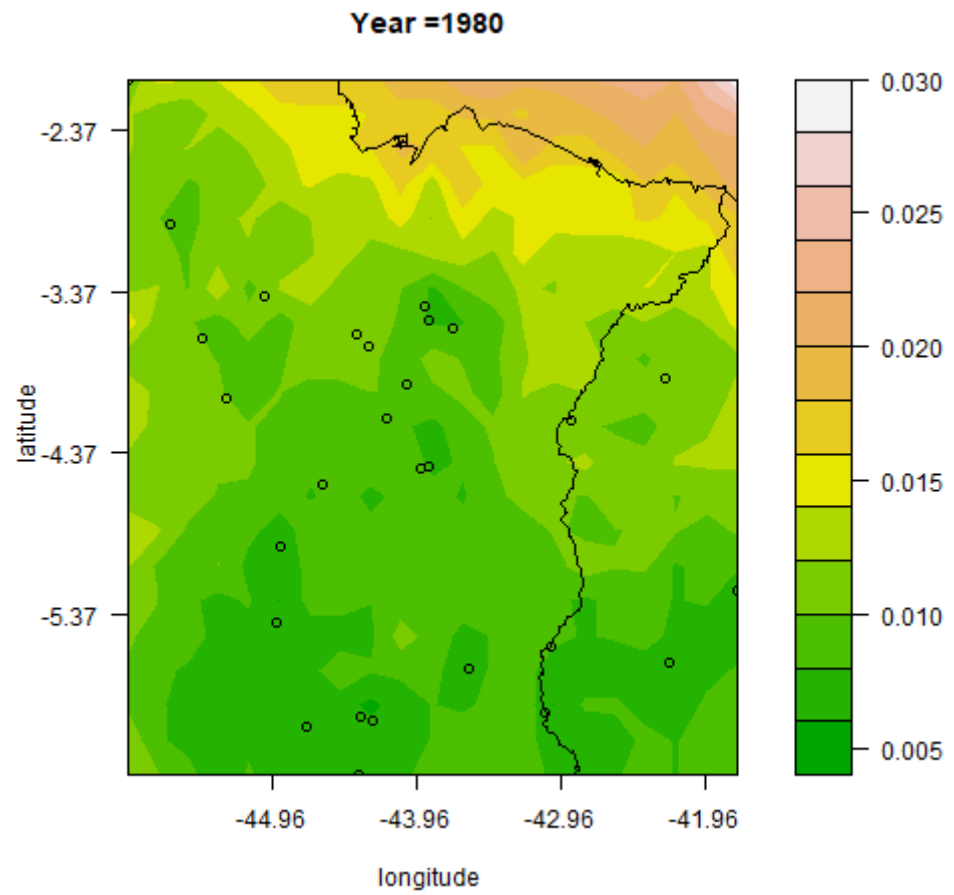


Figure S17. SDNO10mm.gif: Animation of surface estimated for the standard deviation of R10mm index in the NO subregion in the years 1980 to 2010.

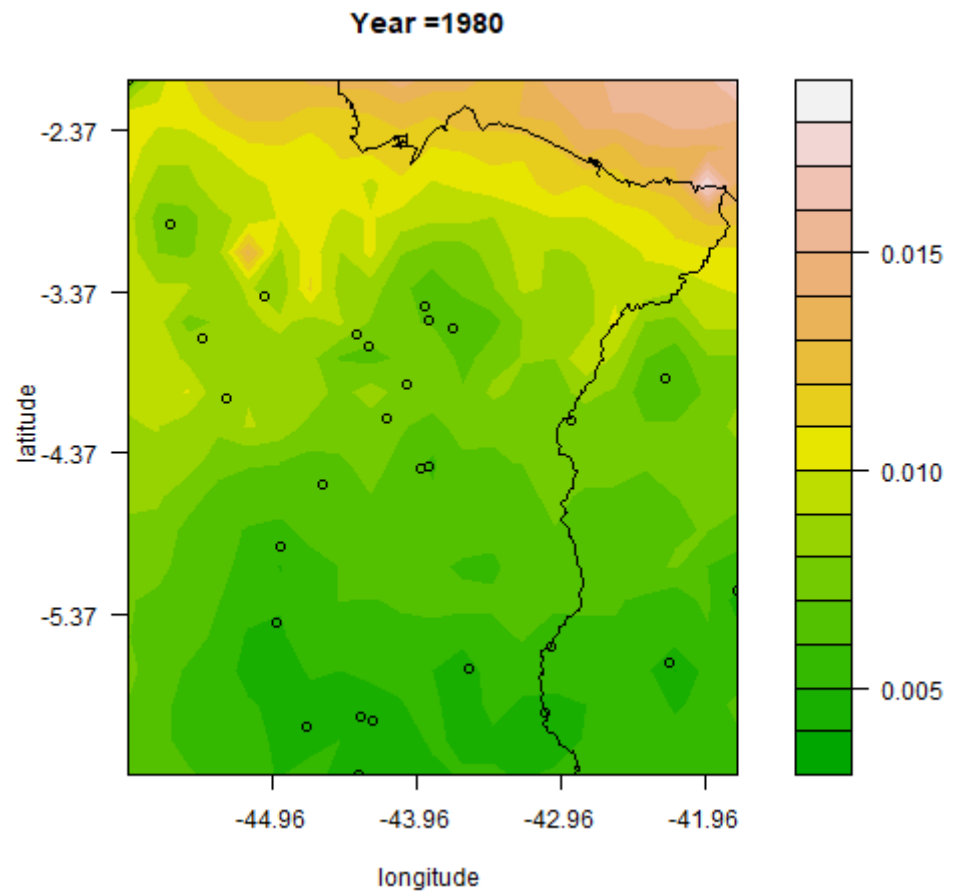


Figure S18. SDNO20mm.gif: Animation of surface estimated for the standard deviation of R20mm index in the NO subregion in the years 1980 to 2010.

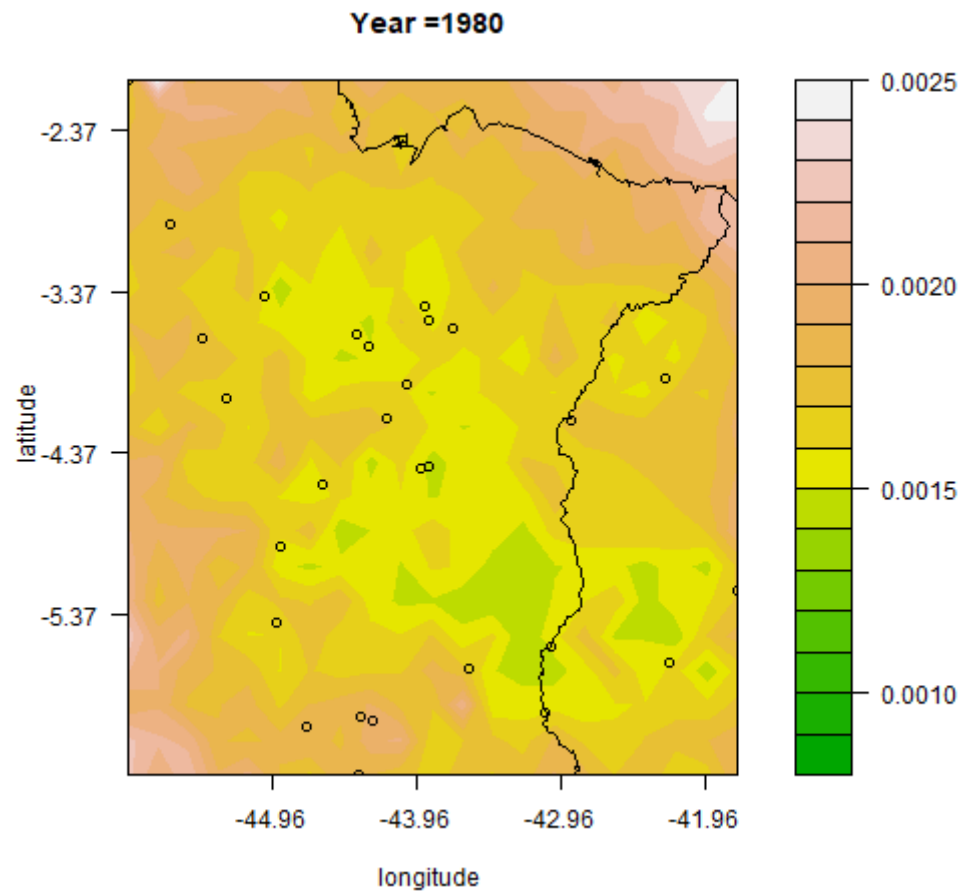


Figure S19. SDNO95p.gif: Animation of surface estimated for the standard deviation of R^* index in the NO subregion in the years 1980 to 2010.

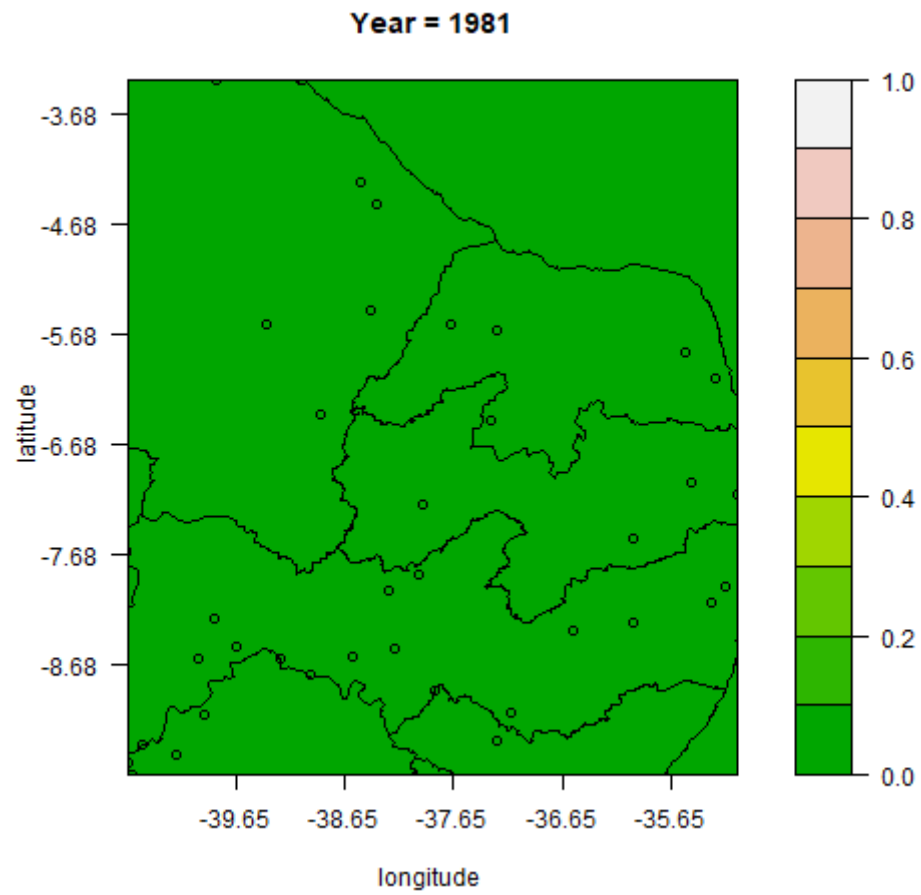


Figure S20. INTNO95p.gif: Hypothesis testing: $H_0: R^*(s)=0.05$ against $H_1: R^*(s) \neq 0.05$, for any s in the subregion NO. Let $I(s)=1$ if we reject H_0 and $I(s)=0$ in any other case. In this file, we show the animation of surface estimated for I in the NO subregion in the years 1980 to 2010.

SS subregion

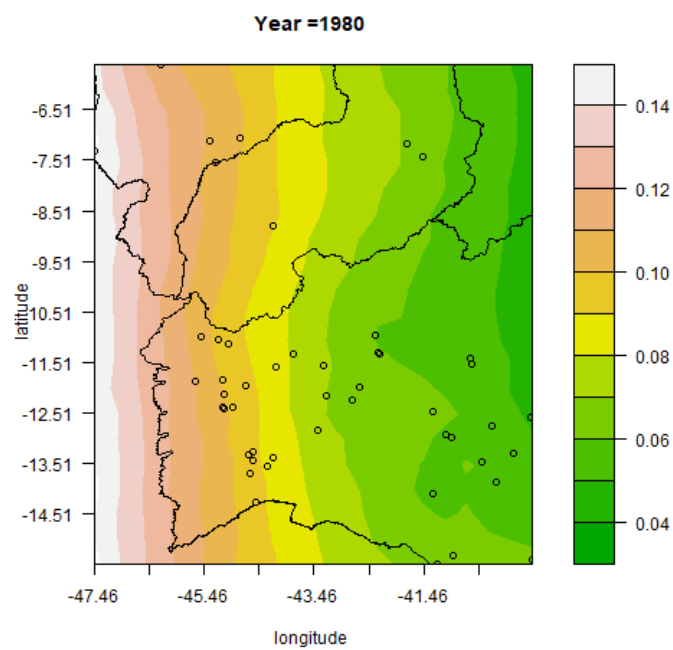


Figure S21. meanSS10mm.gif: Animation of surface estimated for R10mm index in the SS subregion in the years 1980 to 2010.

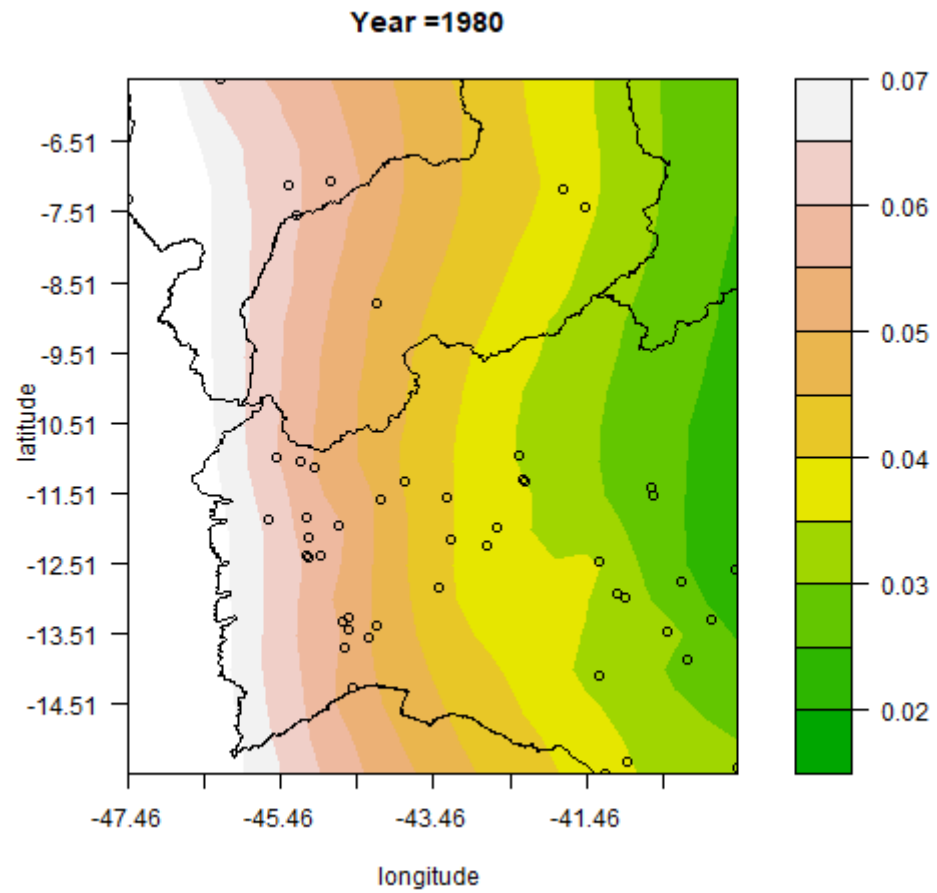


Figure S22. meanSS20mm.gif: Animation of surface estimated for R20mm index in the SS subregion in the years 1980 to 2010.

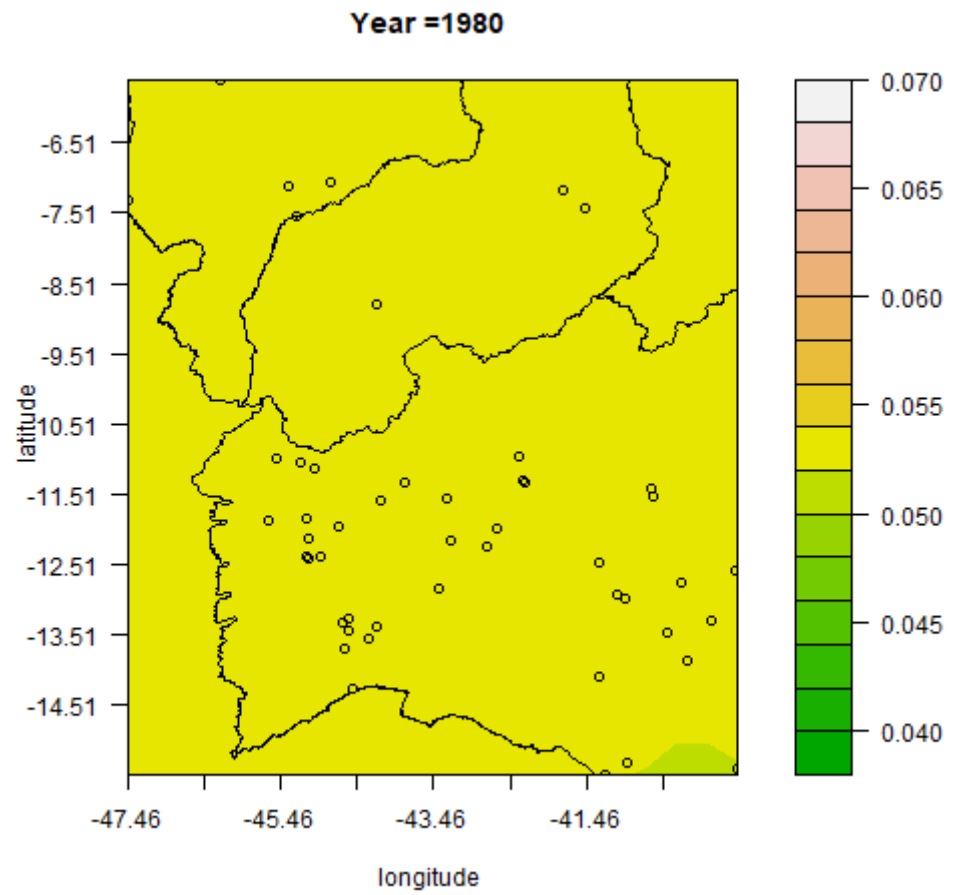


Figure S23. meanSS95p.gif: Animation of surface estimated for R^* index in the SS subregion in the years 1980 to 2010.

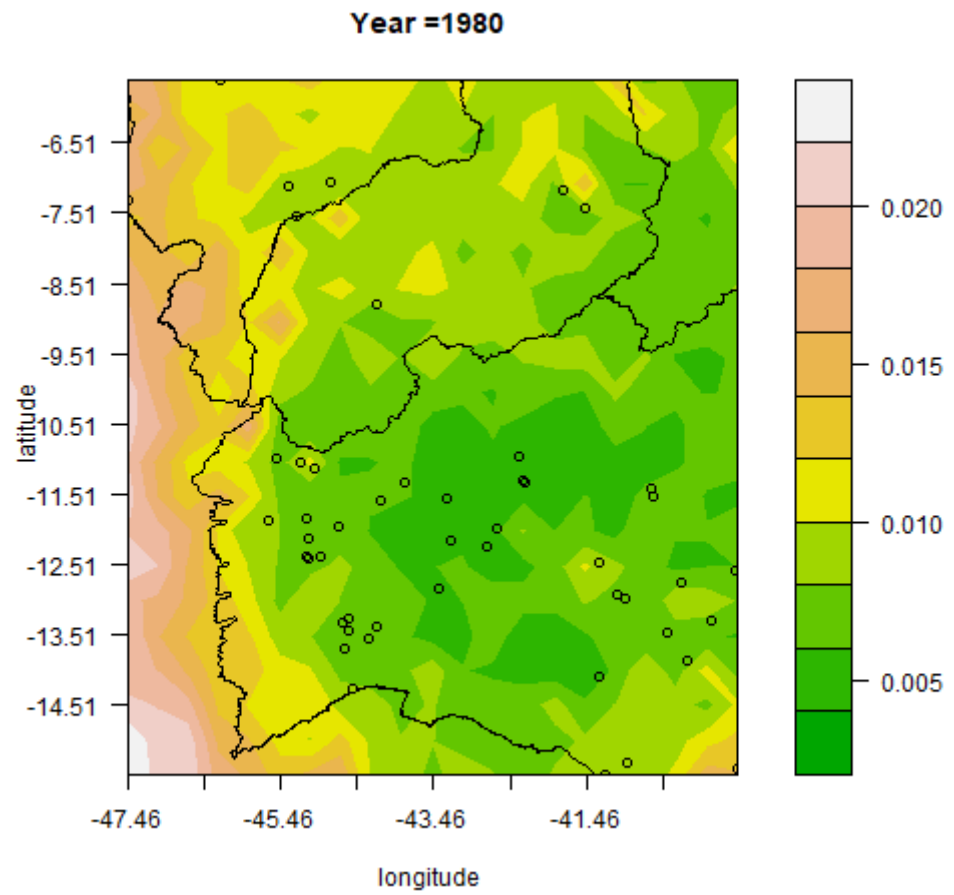


Figure S24. SDSS10mm.gif: Animation of surface estimated for the standard deviation of R10mm index in the SS subregion in the years 1980 to 2010.

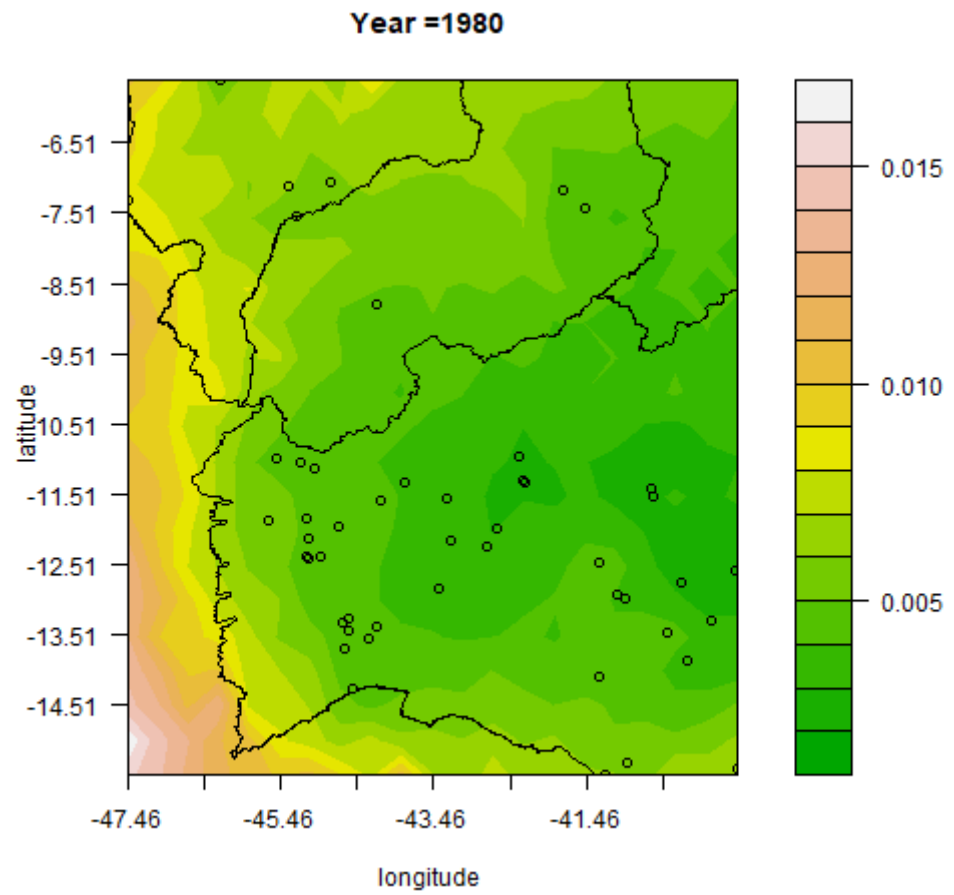


Figure S25. SDSS20mm.gif: Animation of surface estimated for the standard deviation of R20mm index in the SS subregion in the years 1980 to 2010.

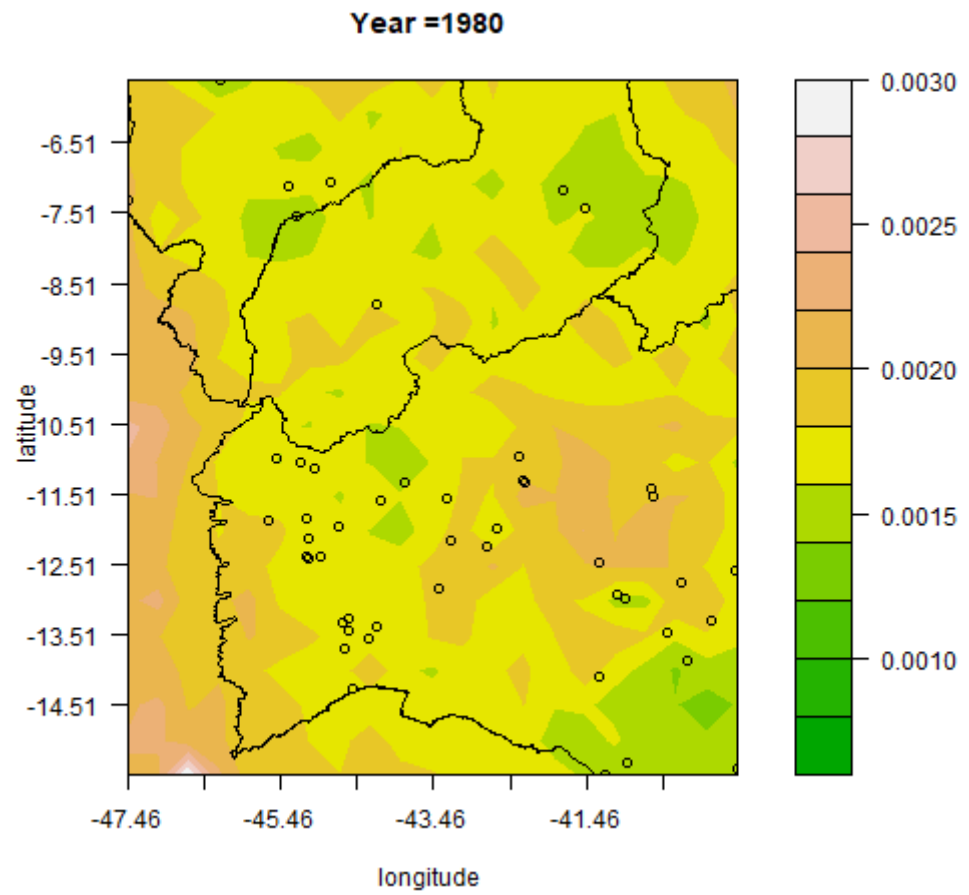


Figure S26. SDSS95p.gif: Animation of surface estimated for the standard deviation of R^* index in the SS subregion in the years 1980 to 2010.

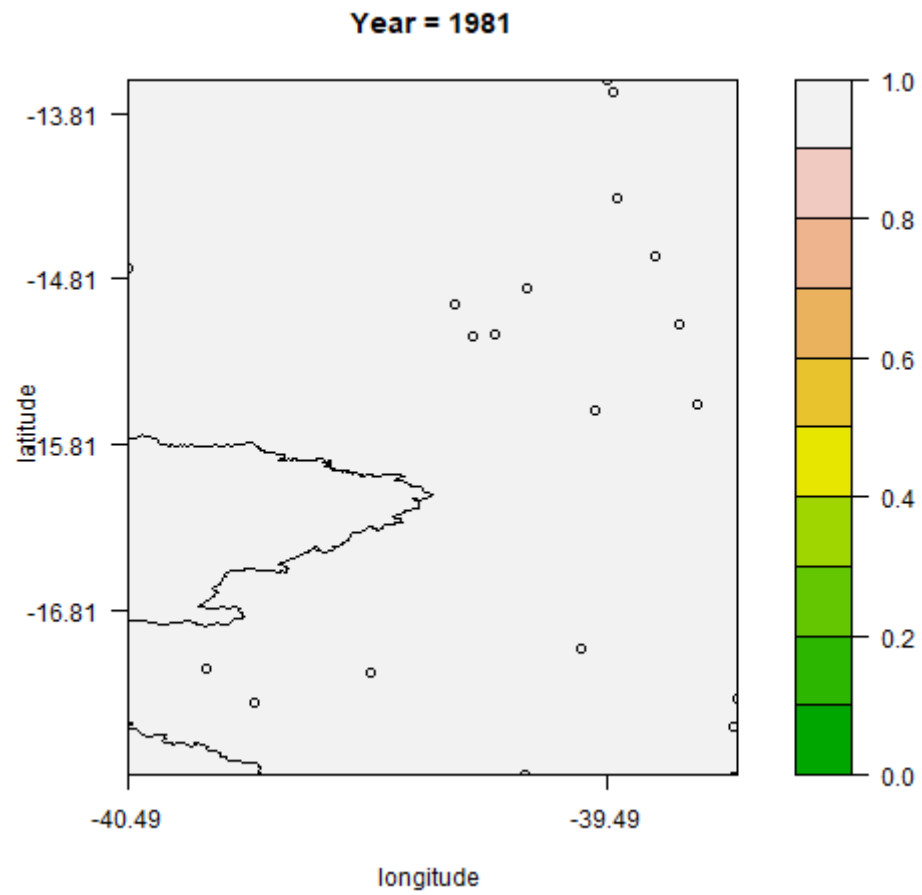


Figure S27. INTSS95p.gif: Hypothesis testing: $H_0: R^*(s)=0.05$ against $H_1: R^*(s) \neq 0.05$, for any s in the subregion SS. Let $I(s)=1$ if we reject H_0 and $I(s)=0$ in any other case. In this file, we show the animation of surface estimated for I in the SS subregion in the years 1980 to 2010.

SC subregion

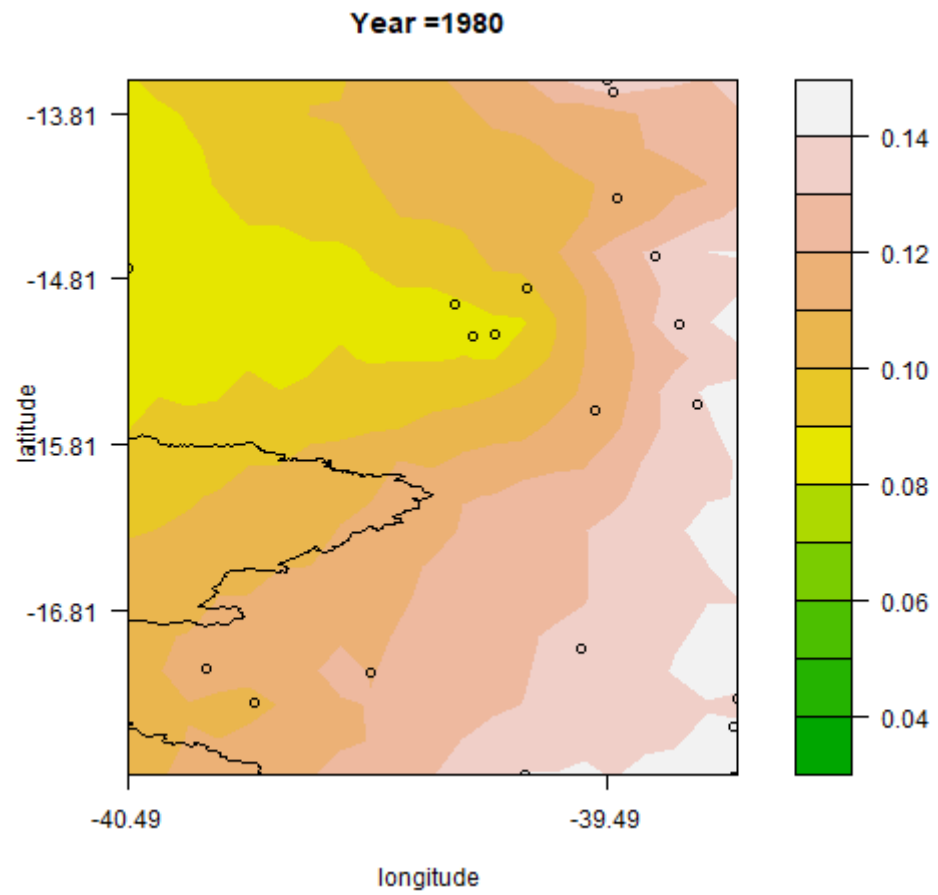


Figure S28. meanSC10mm.gif: Animation of surface estimated for R10mm index in the SC subregion in the years 1980 to 2010.

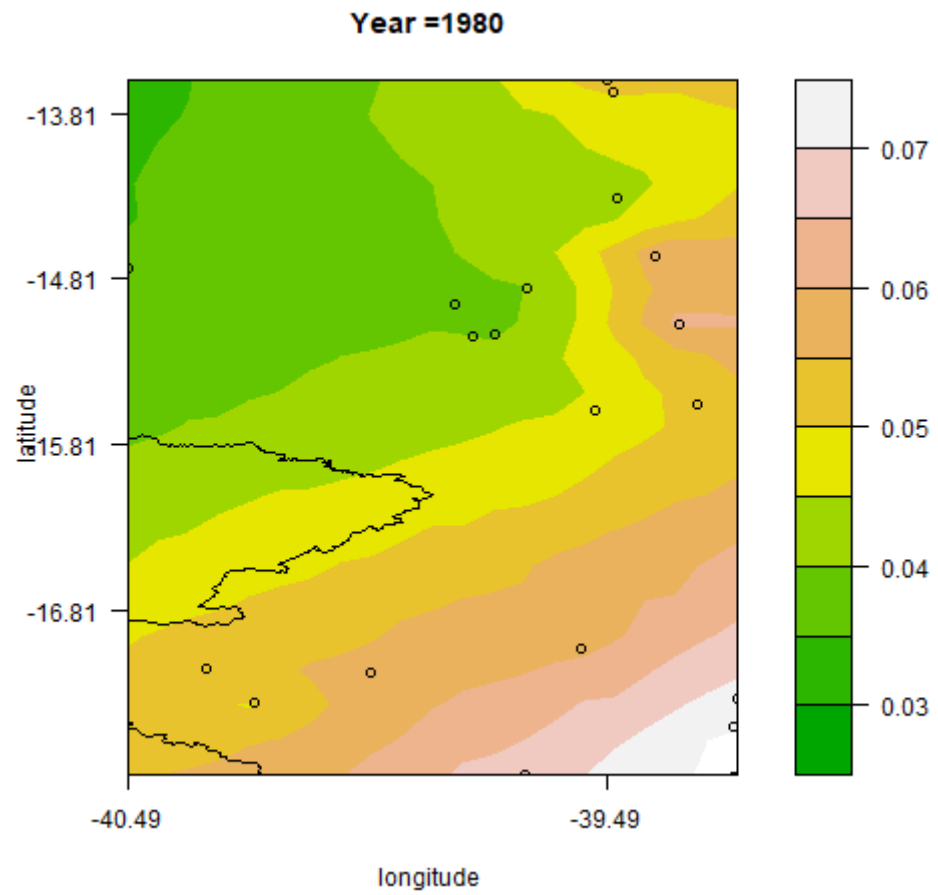


Figure S29. meanSC20mm.gif: Animation of surface estimated for R20mm index in the SC subregion in the years 1980 to 2010.

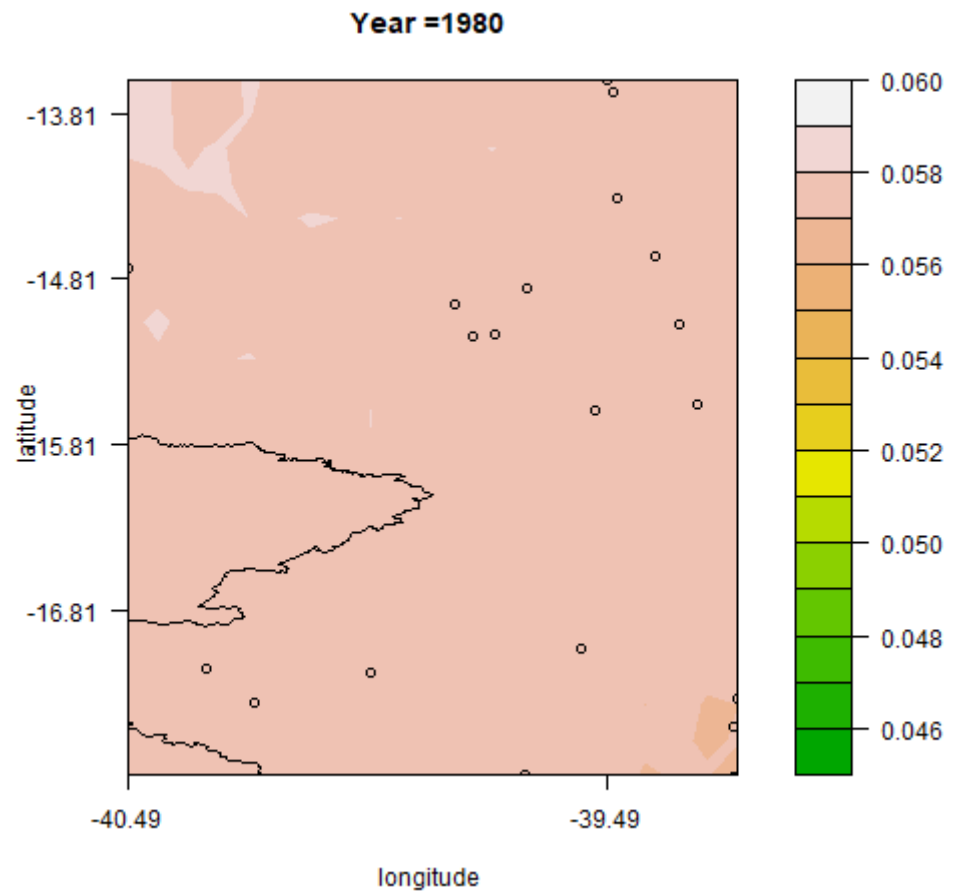


Figure S30. meanSC95p.gif: Animation of surface estimated for R^* index in the SC subregion in the years 1980 to 2010.

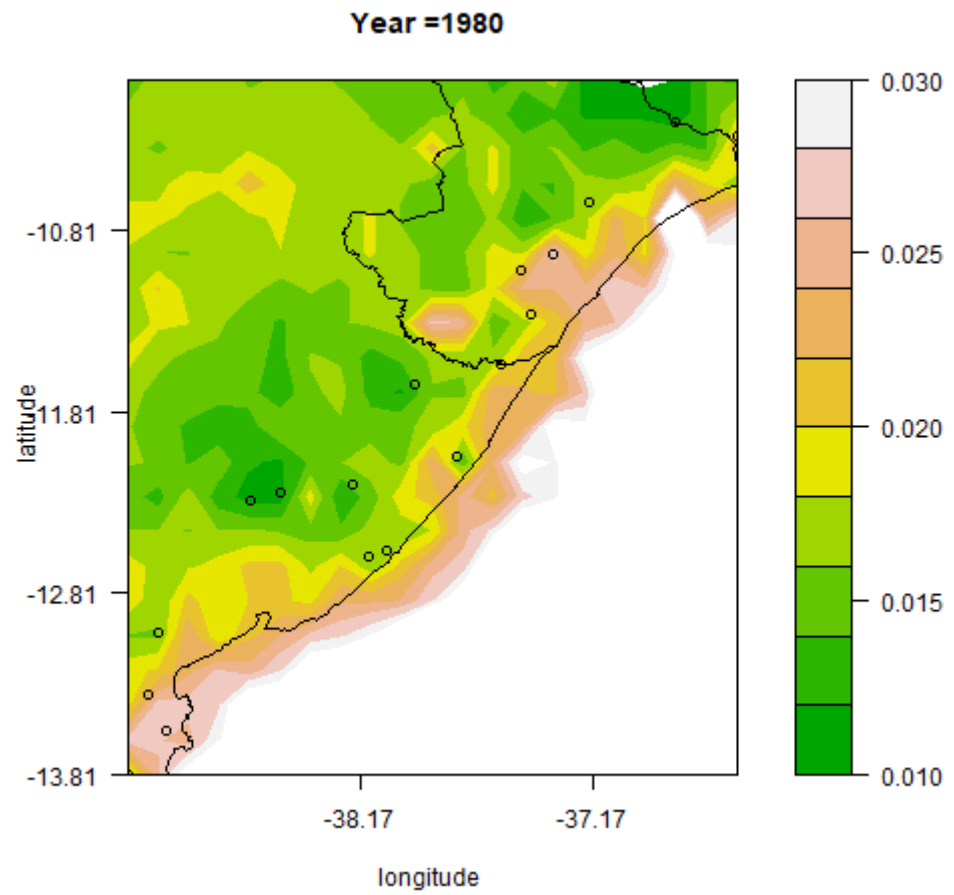


Figure S31. SDSC10mm.gif: Animation of surface estimated for the standard deviation of R10mm index in the SC subregion in the years 1980 to 2010.

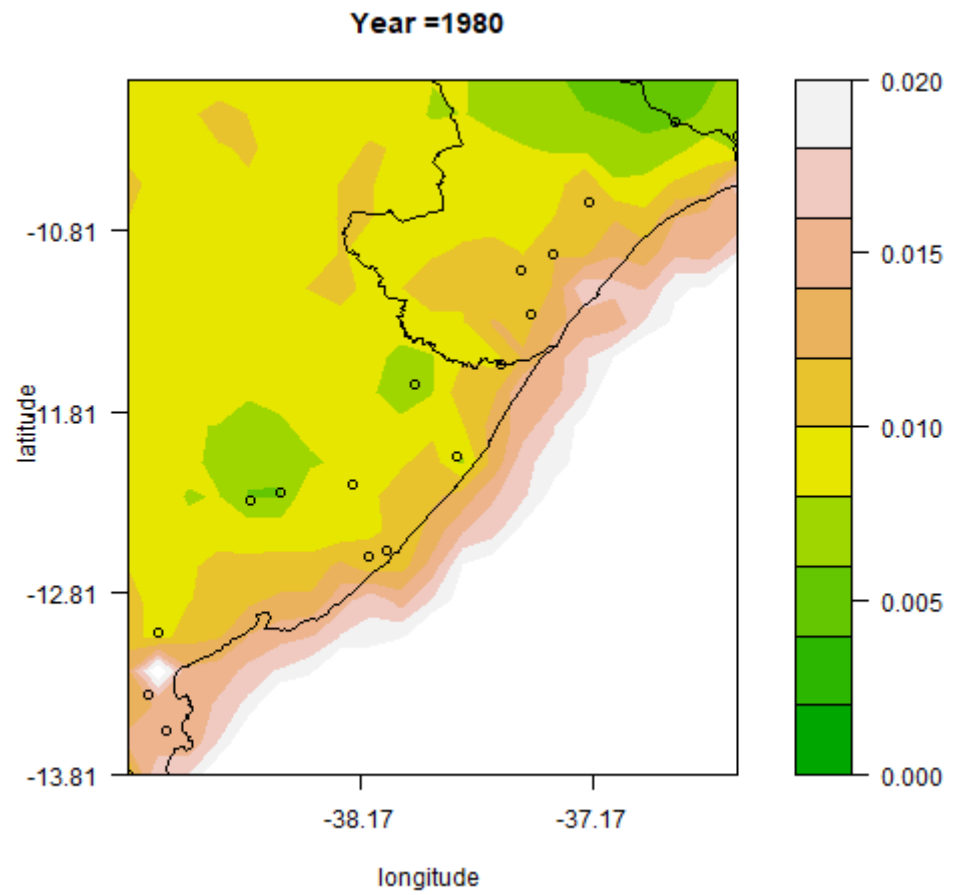


Figure S32. SDSC20mm.gif: Animation of surface estimated for the standard deviation of R20mm index in the SC subregion in the years 1980 to 2010.

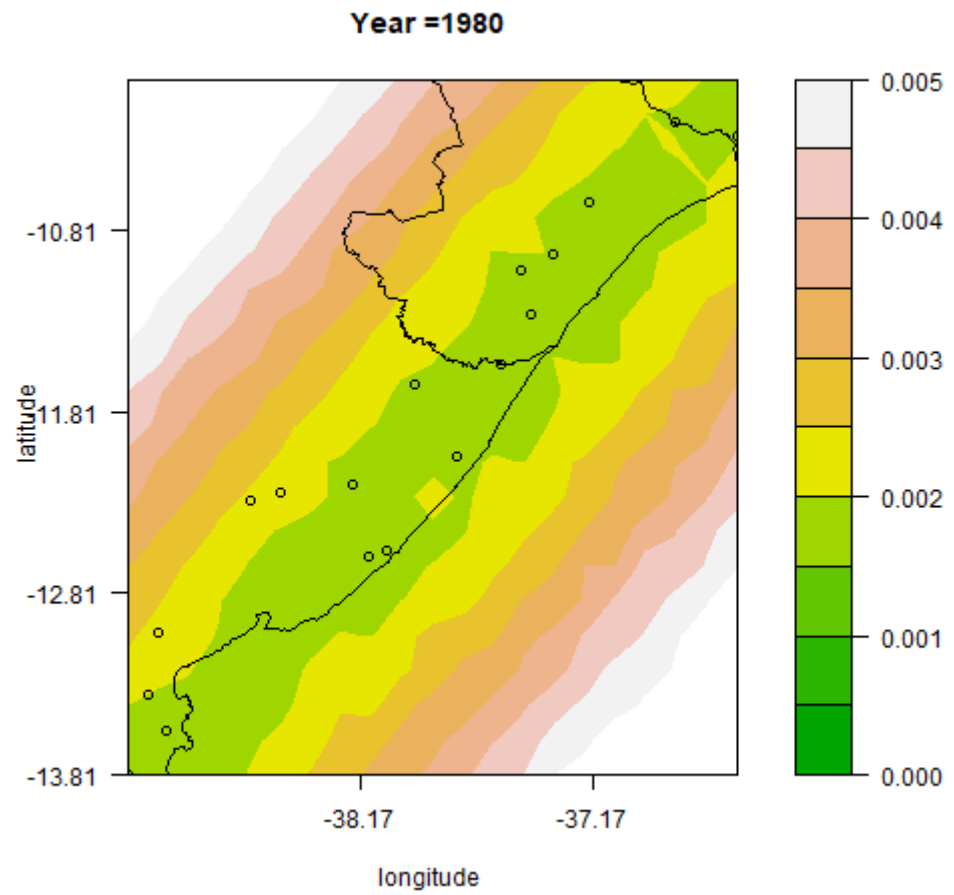


Figure S33. SDSC95p.gif: Animation of surface estimated for the standard deviation of R^* index in the SC subregion in the years 1980 to 2010.

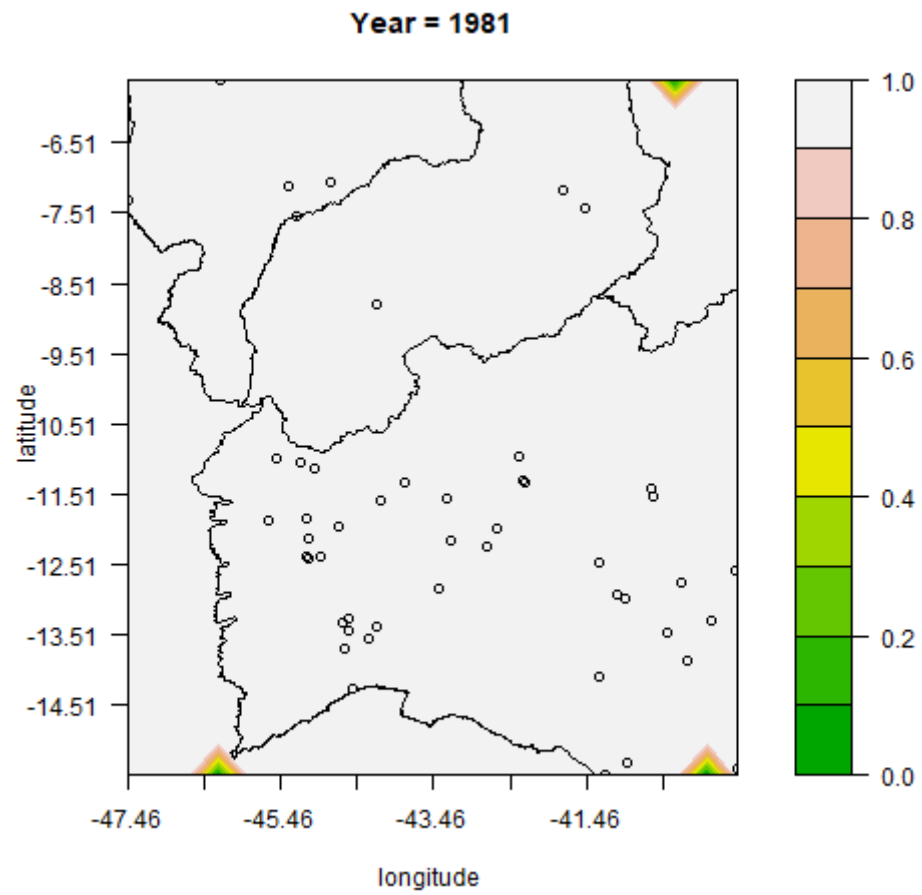


Figure S34. INTSC95p.gif: Hypothesis testing: $H_0: R^*(s)=0.05$ against $H_1: R^*(s) \neq 0.05$, for any s in the subregion SC. Let $I(s)=1$ if we reject H_0 and $I(s)=0$ in any other case. In this file, we show the animation of surface estimated for I in the SC subregion in the years 1980 to 2010.