



MINISTÉRIO DA CIÊNCIA E TECNOLOGIA  
**INSTITUTO NACIONAL DE PESQUISAS ESPACIAIS**

**Disciplina Introdução ao Geoprocessamento – SER 300**

## **Laboratório 5**

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JUNHO/2015

O laboratório visa explorar os procedimentos geoestatísticos em busca da variabilidade espacial de propriedades naturais amostrados e distribuídos espacialmente.

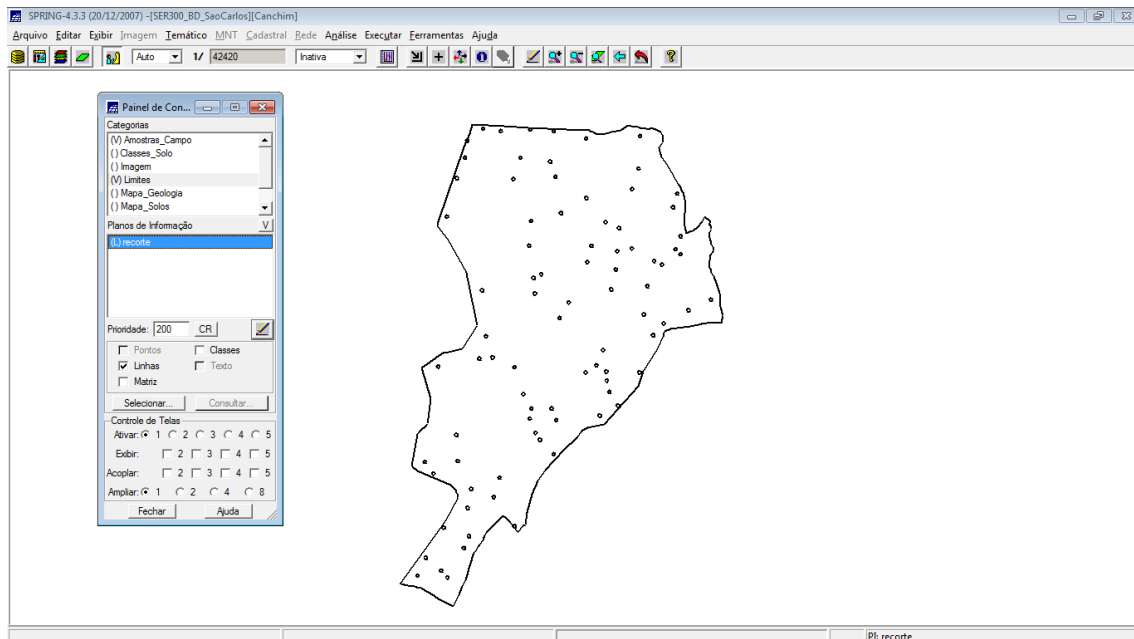


Figura 1. Ativando o projeto

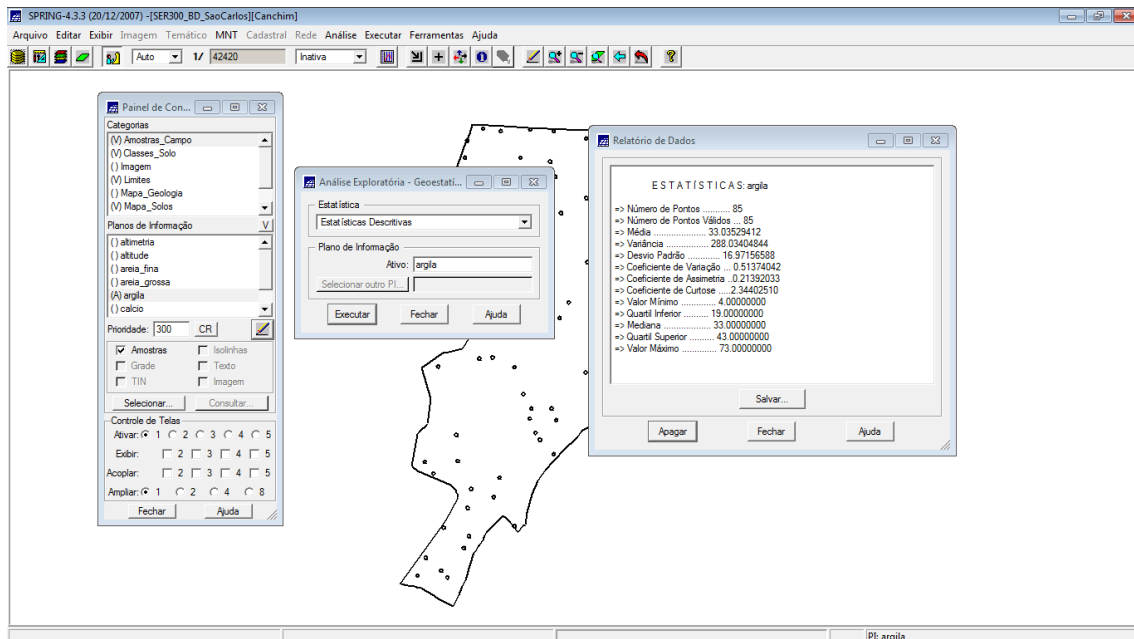


Figura 2. Análise exploratório do teor de argila

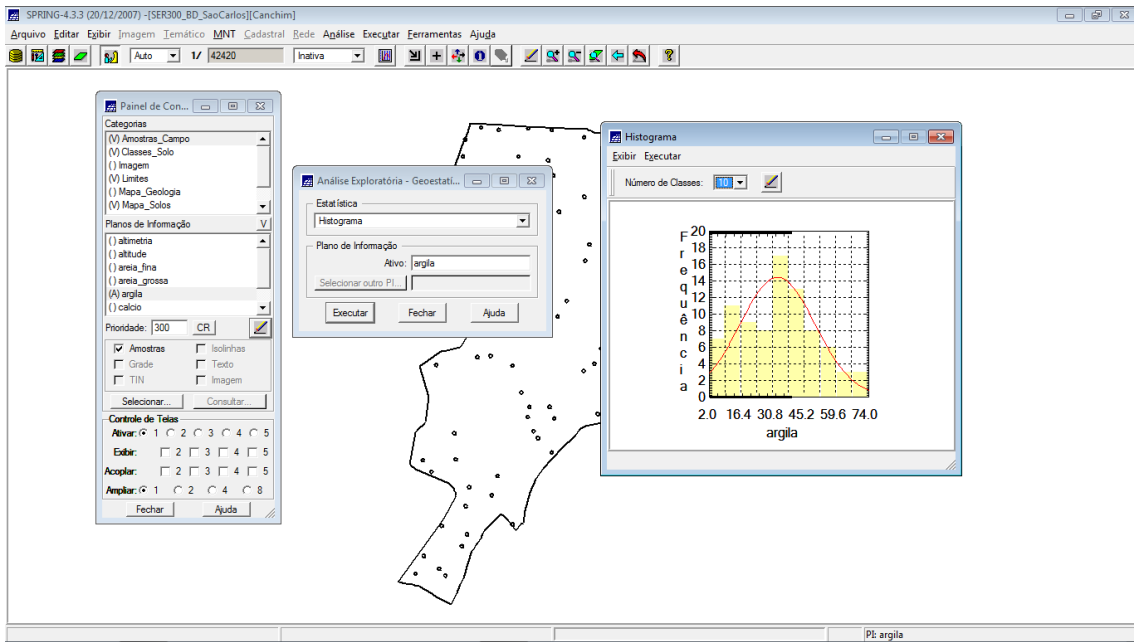


Figura 3. Histograma dos teores de argila

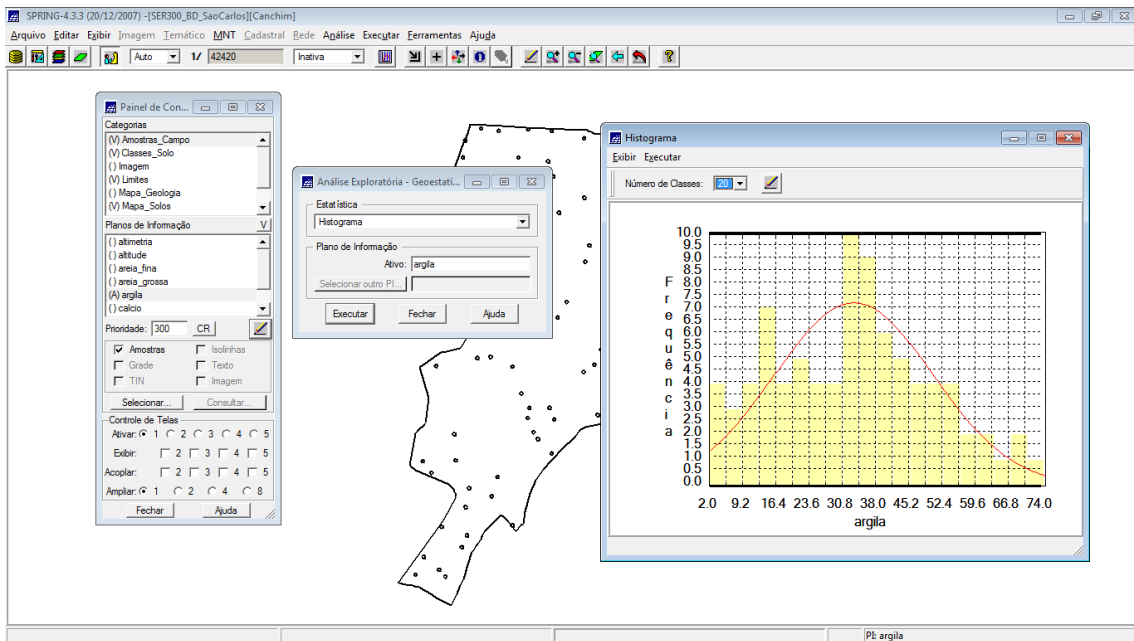


Figura 4. Alterando o número de classes

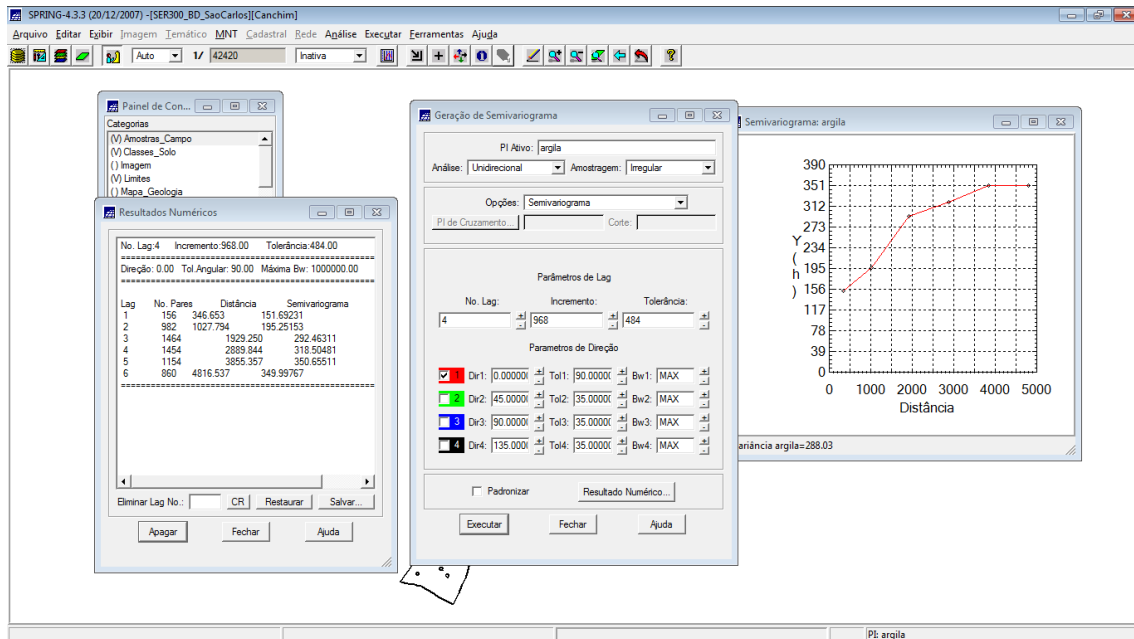


Figura 5. Parâmetros do semi-variograma.

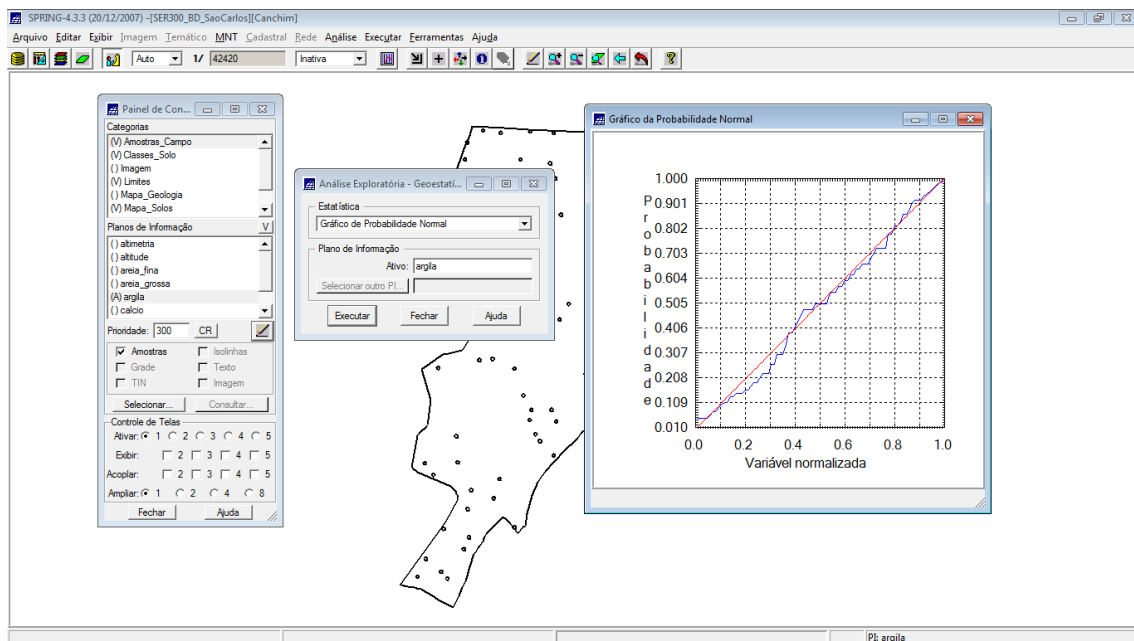


Figura 6. Gráfico de probabilidade normal

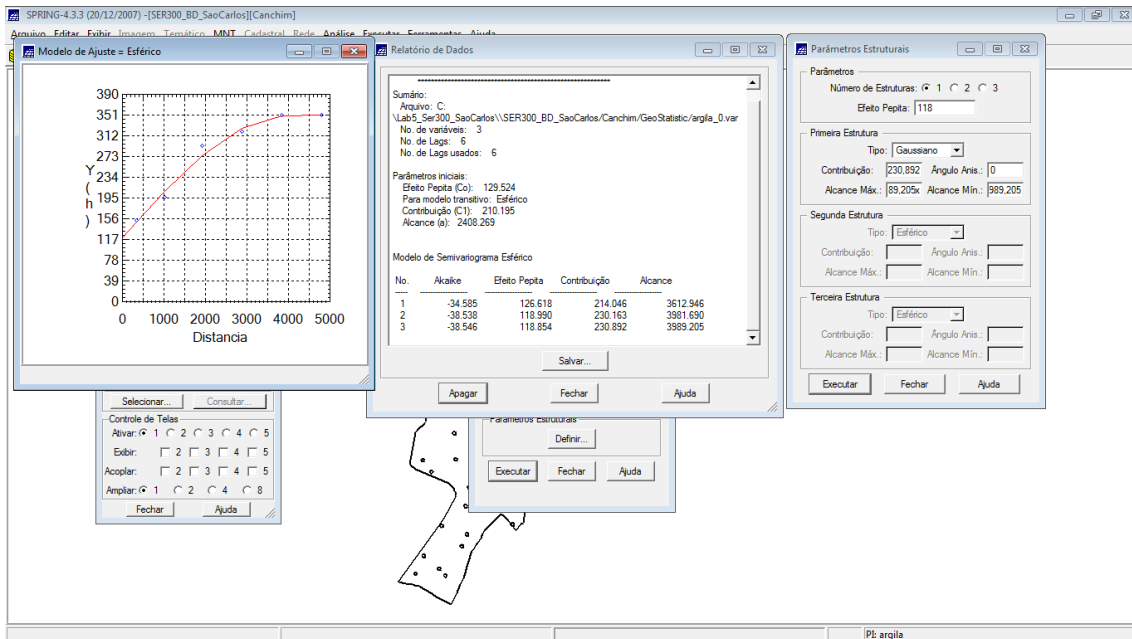


Figura 7. Ajuste do modelo no semi-variograma

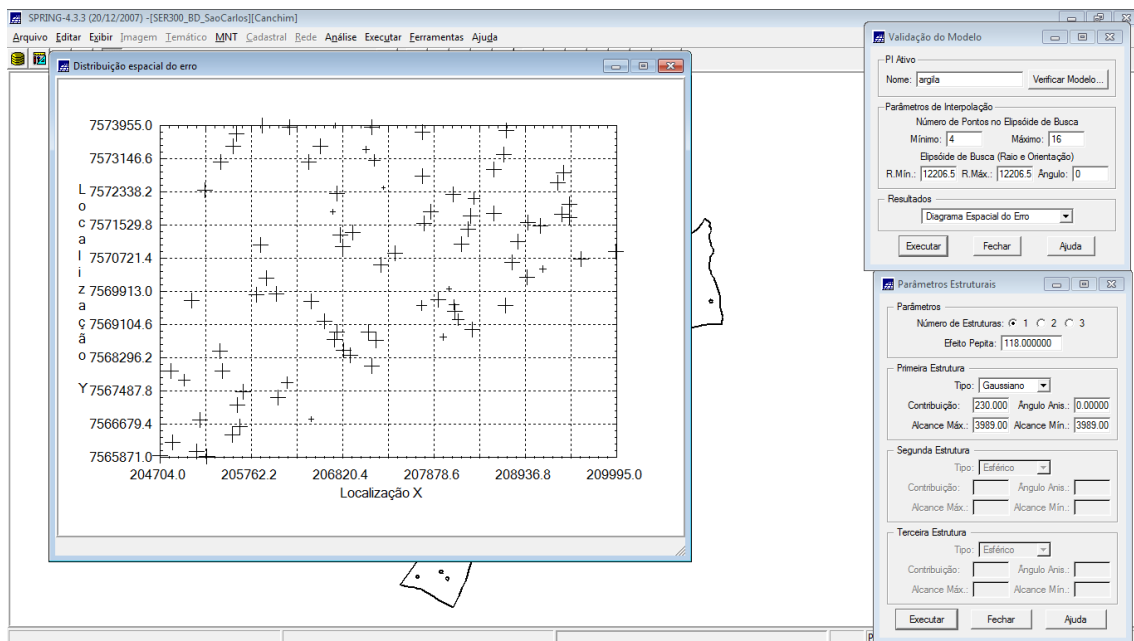


Figura 8. Análise da distribuição do erro

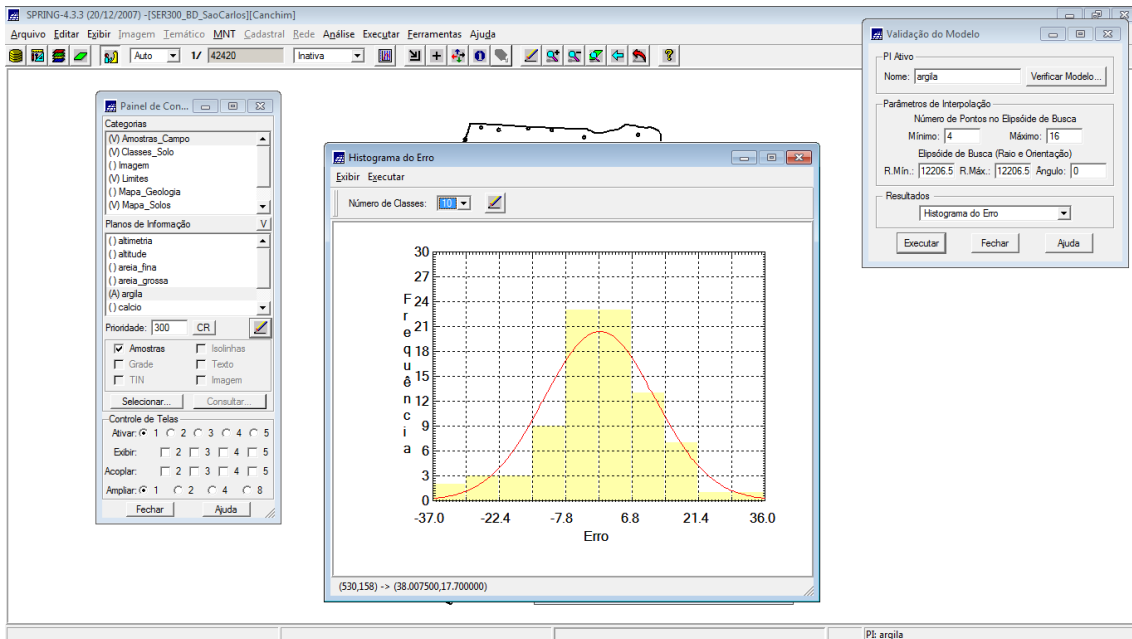


Figura 9. Histograma do erro

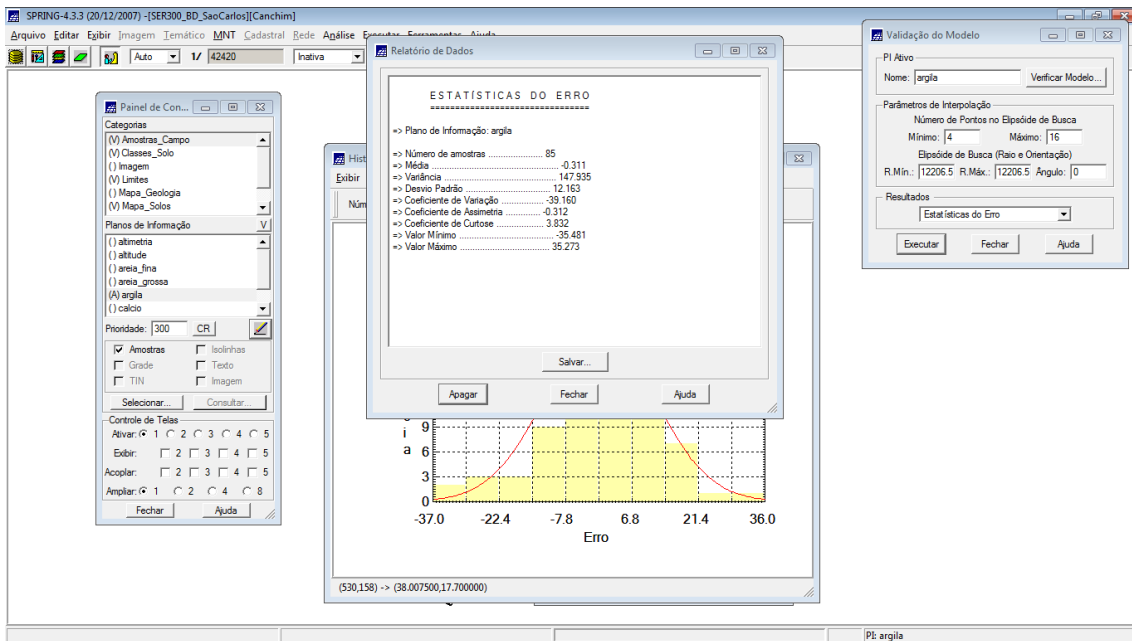


Figura 10. Estatística do erro

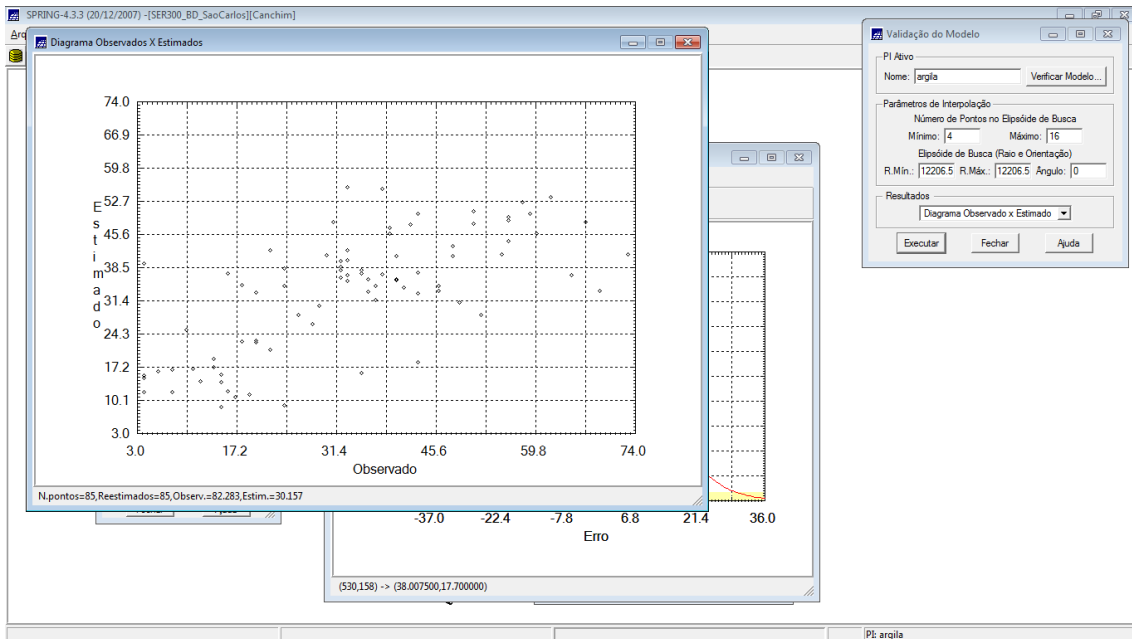


Figura 11. Diagrama de observação versus estimado

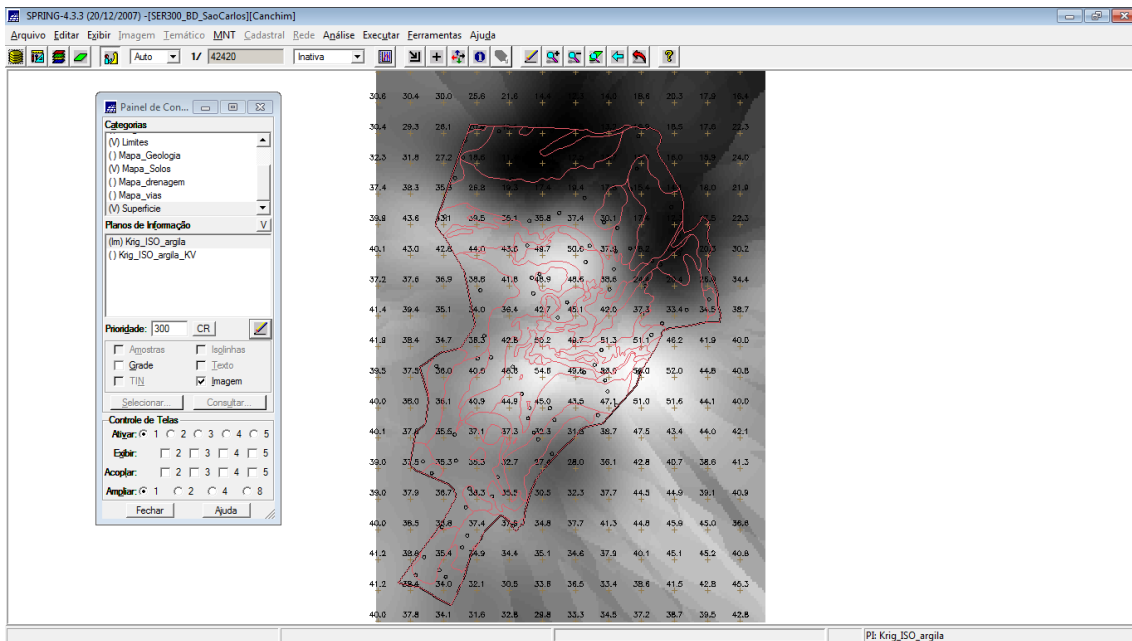


Figura 12. Resultado da krigagem

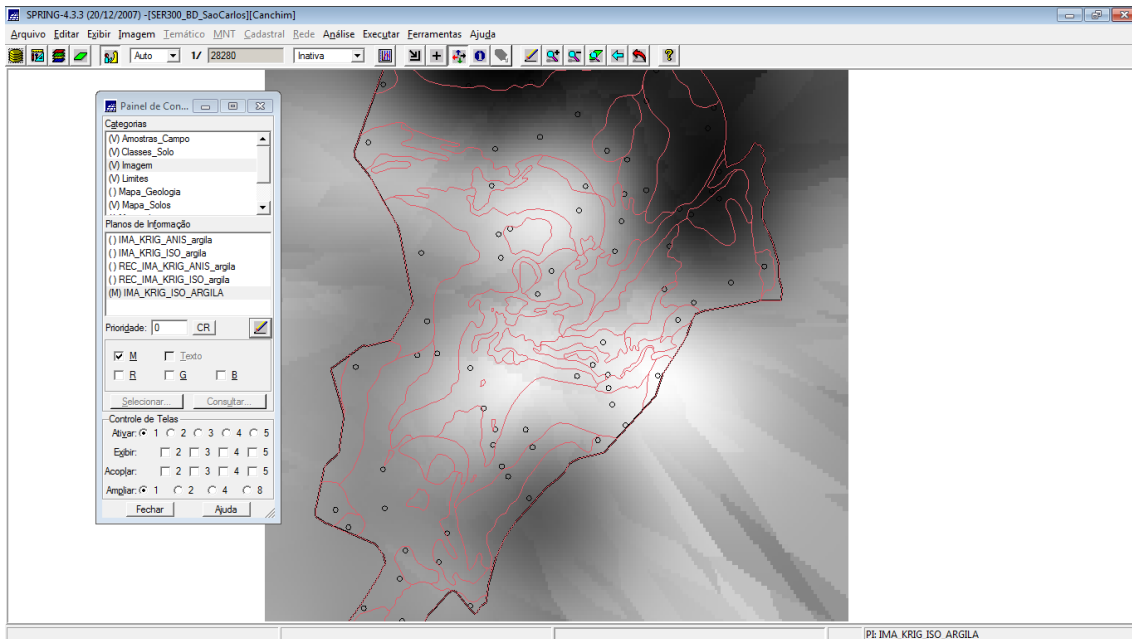


Figura 13. Geração do MNT a partir da krigagem

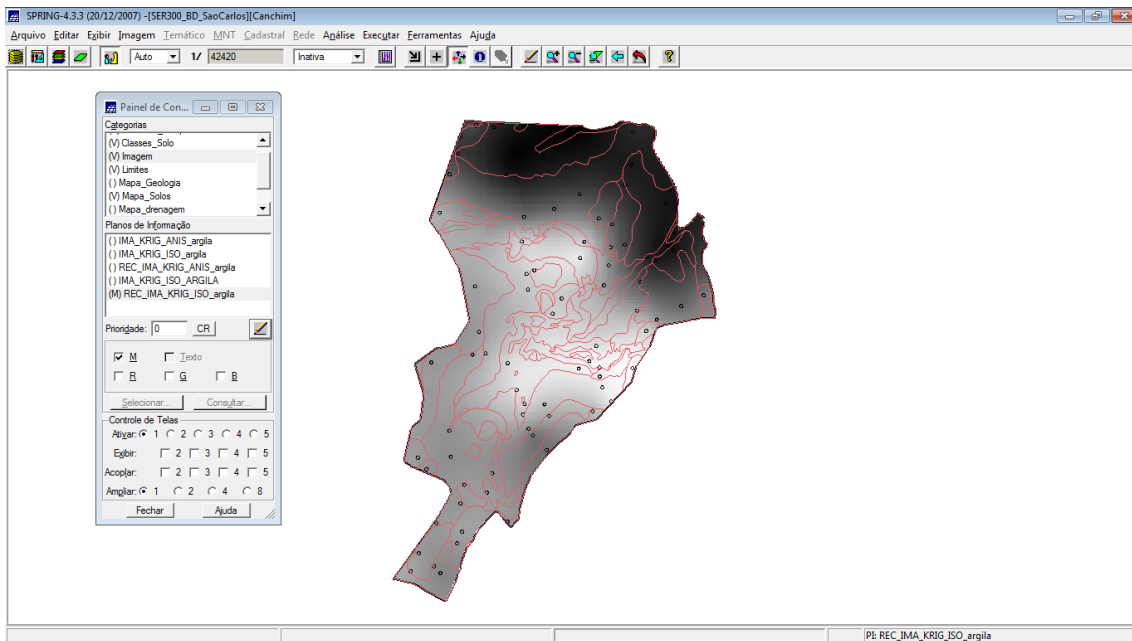


Figura 14. Recorte do limite da área de estudo



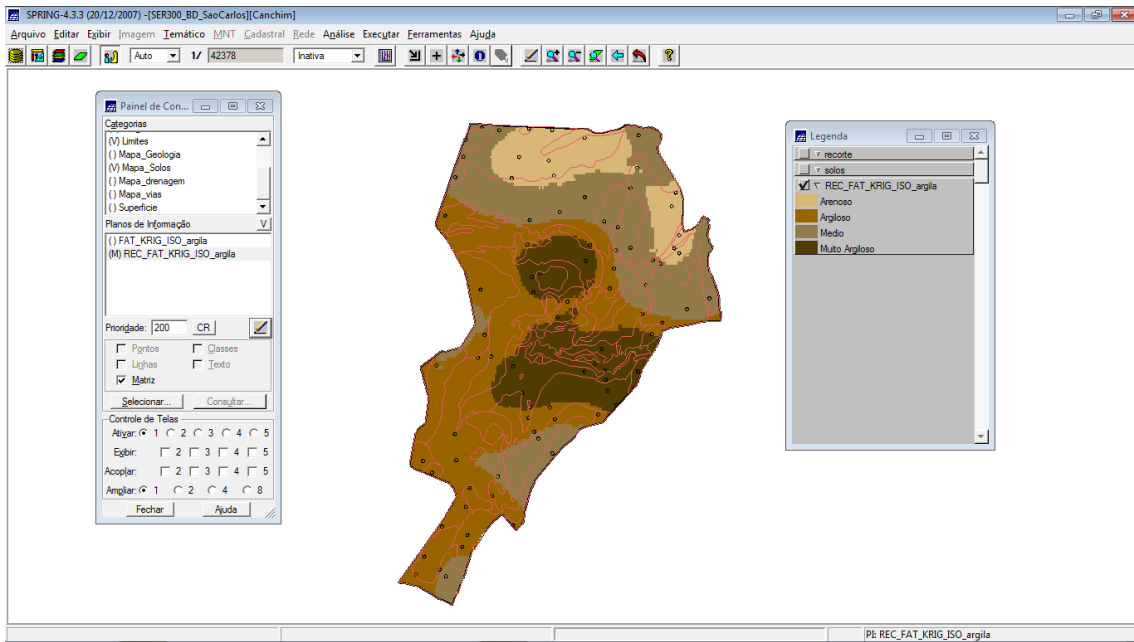


Figura 15. Fatiamento do MNT em 4 classes

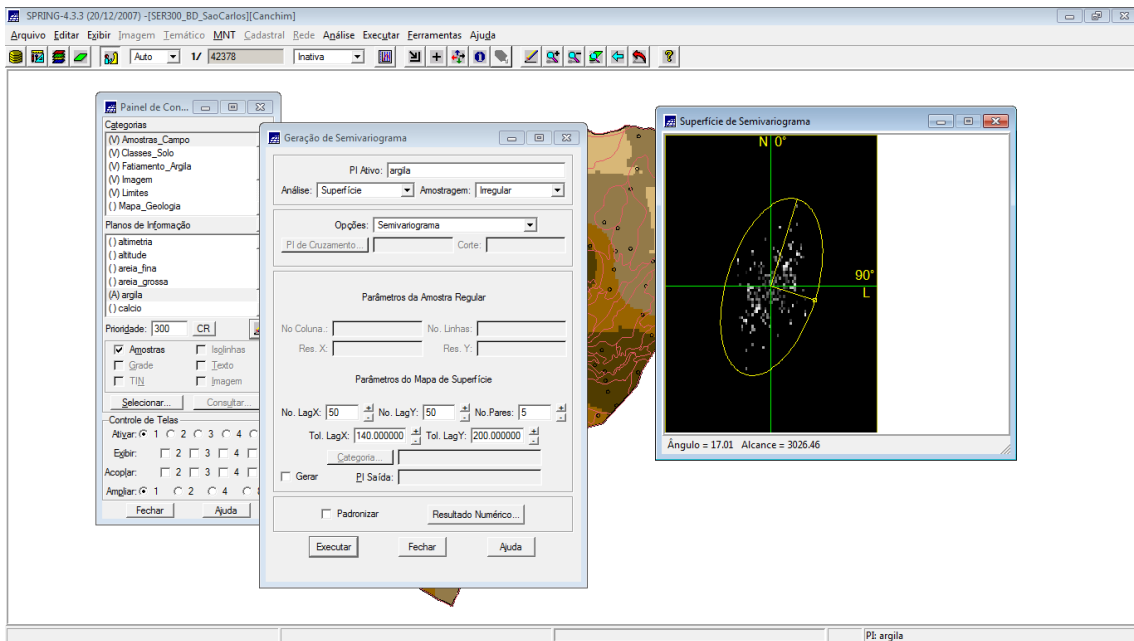


Figura 16. Ângulo de isotropia

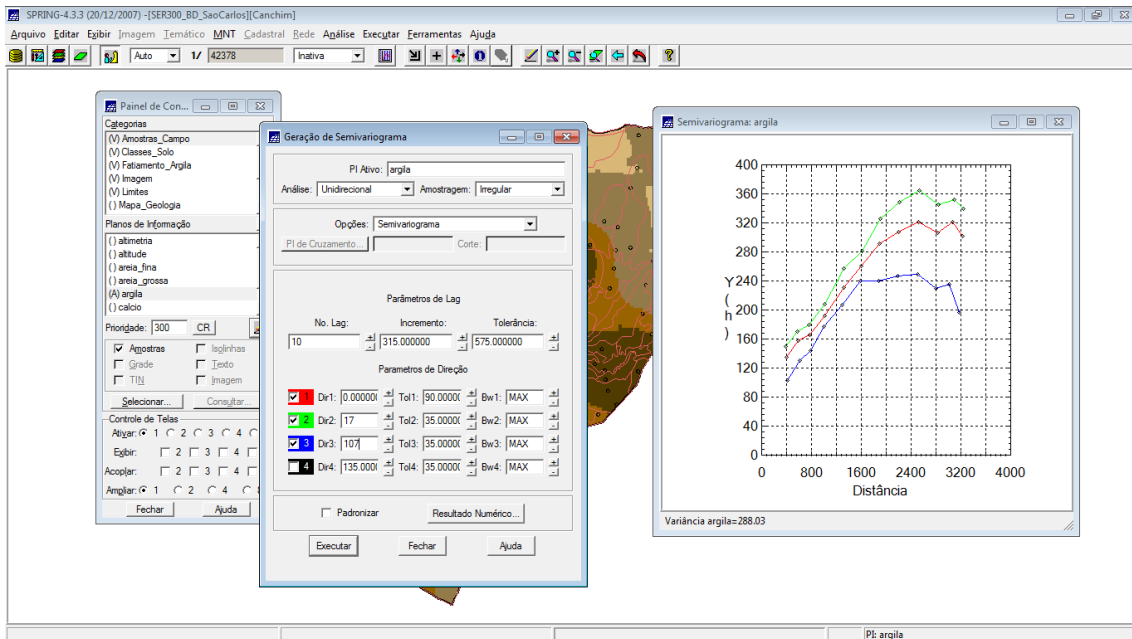


Figura 17. Geração do semi-variograma do semi-direcional

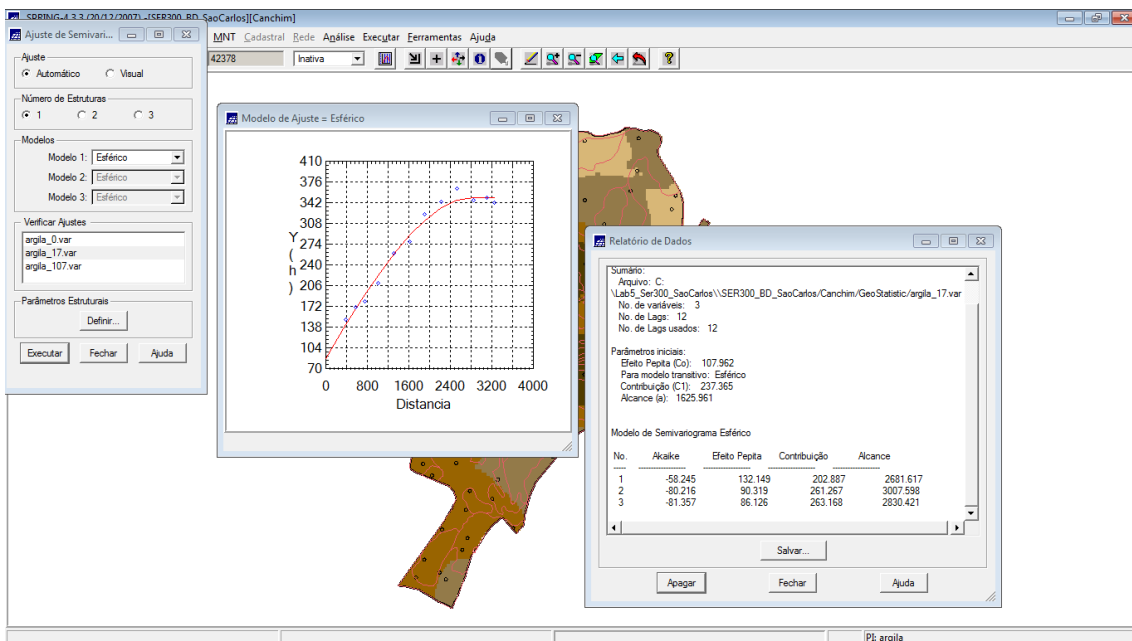


Figura 18. Ajuste do modelo semi-esférico

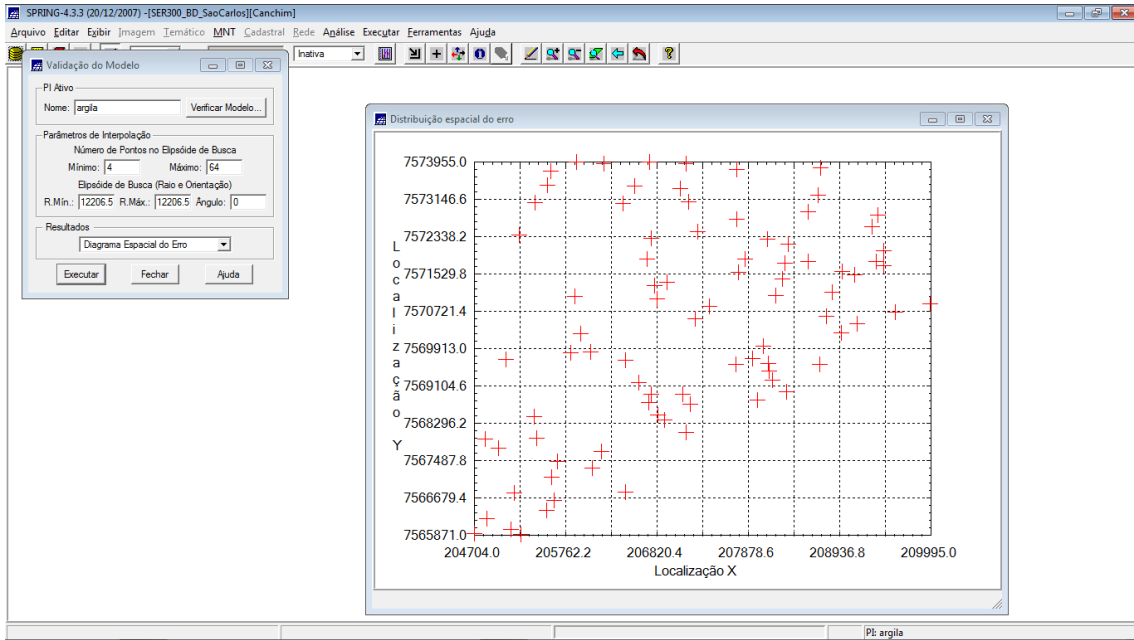


Figura 19. Distribuição espacial do erro

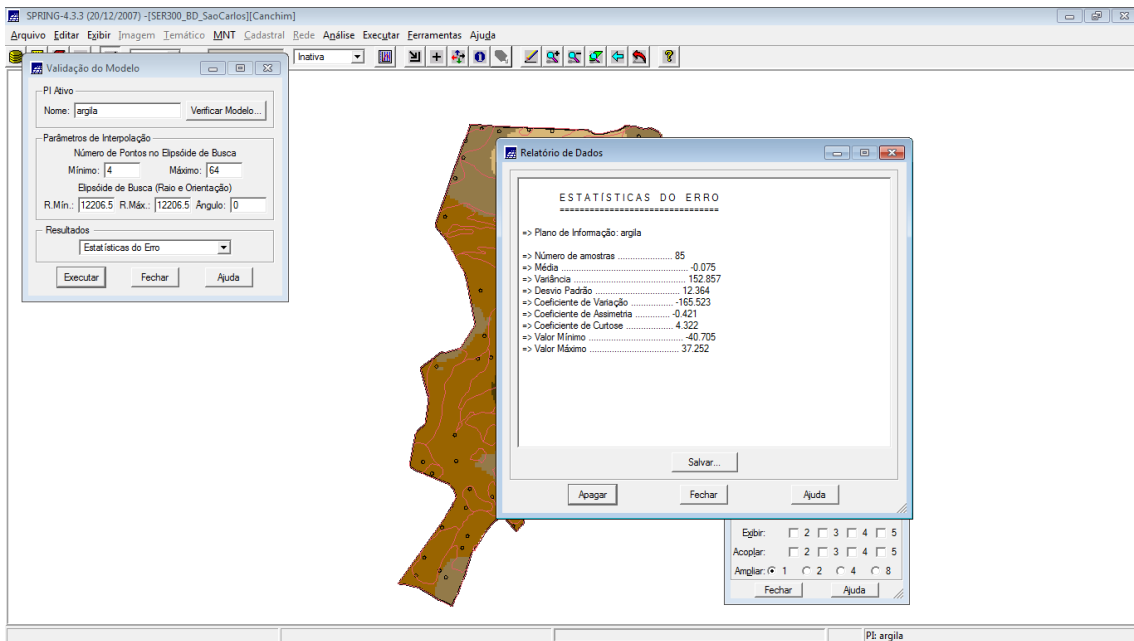


Figura 20. Estatística do erro

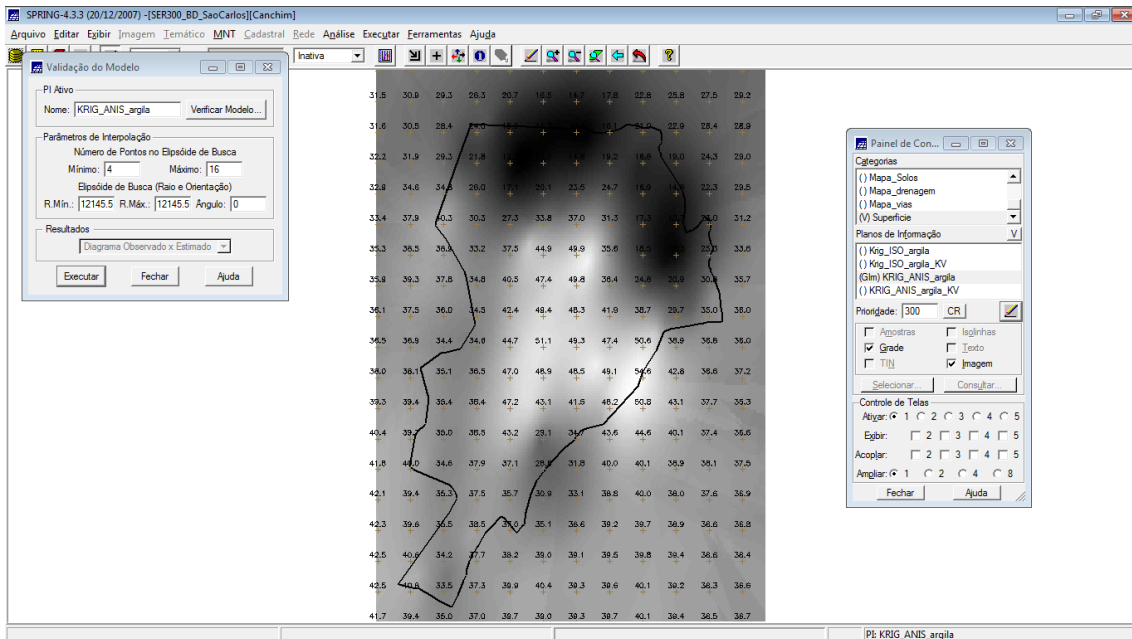


Figura 21. Validação do modelo de teor de argila por krigagem anisotrópica

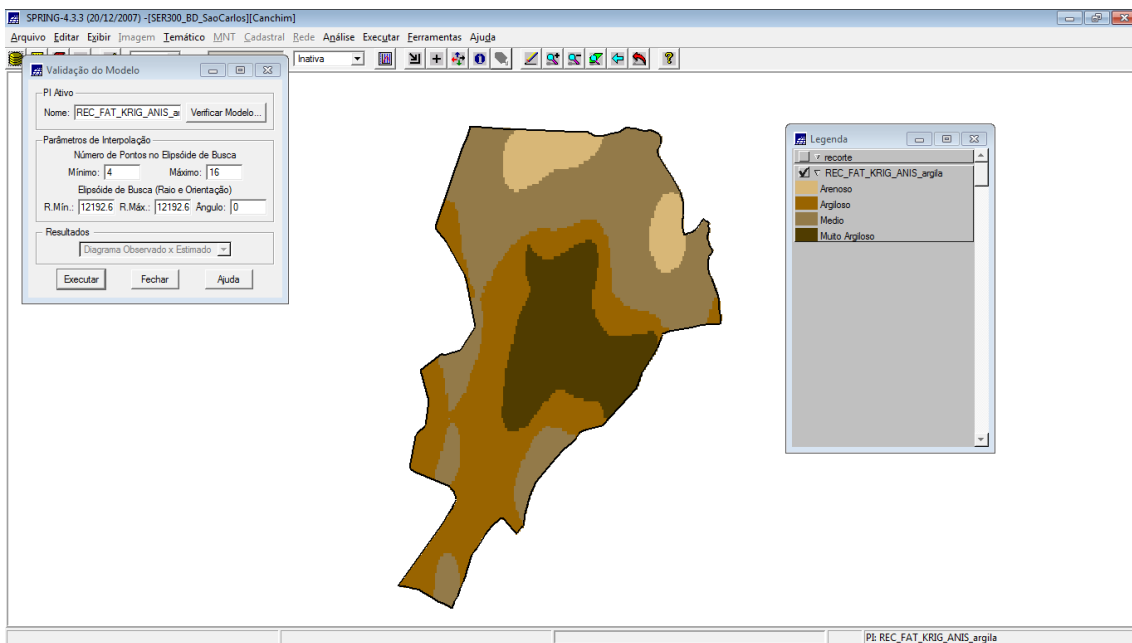


Figura 22. Recorte da área de estudo e fatiamento.

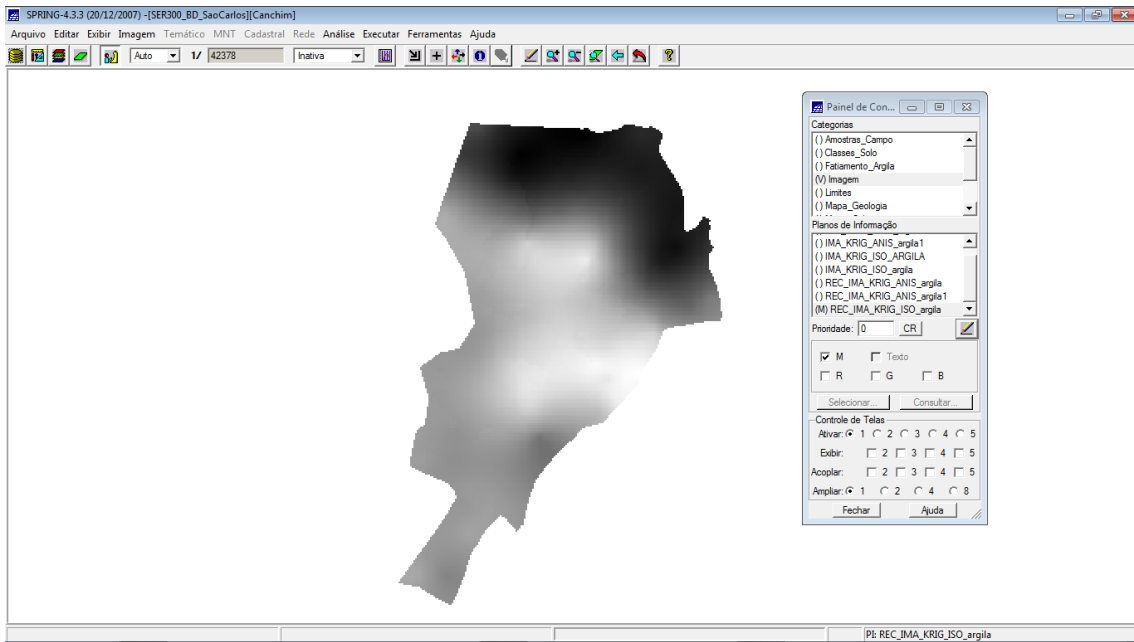


Figura 23. Resultado da krigagem isotrópica

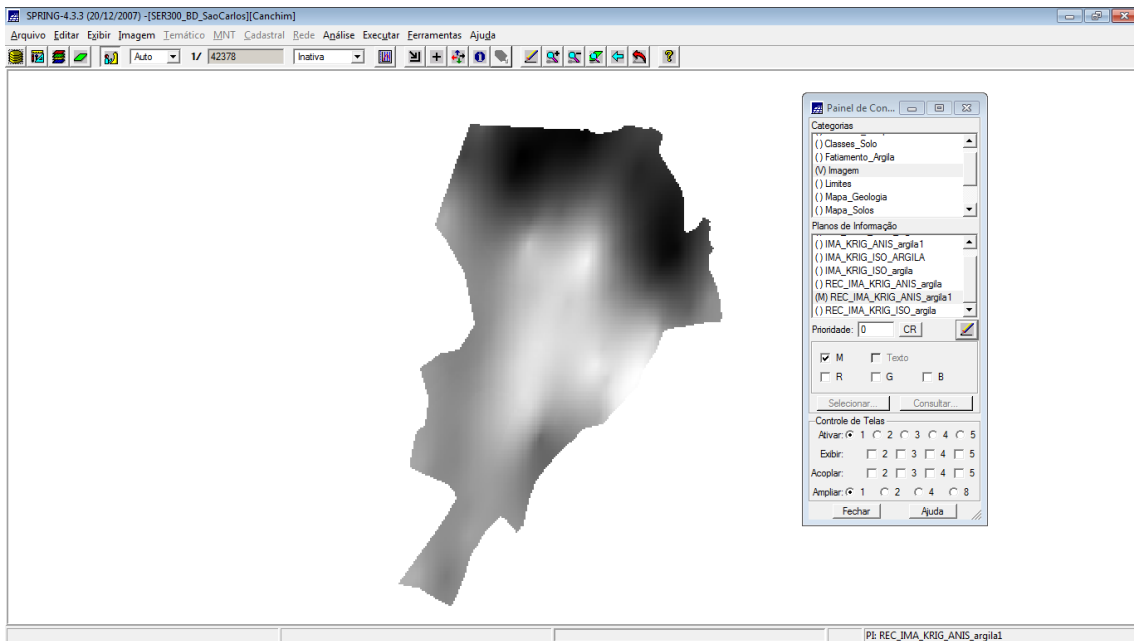


Figura 24. Resultado da krigagem anisotrópica

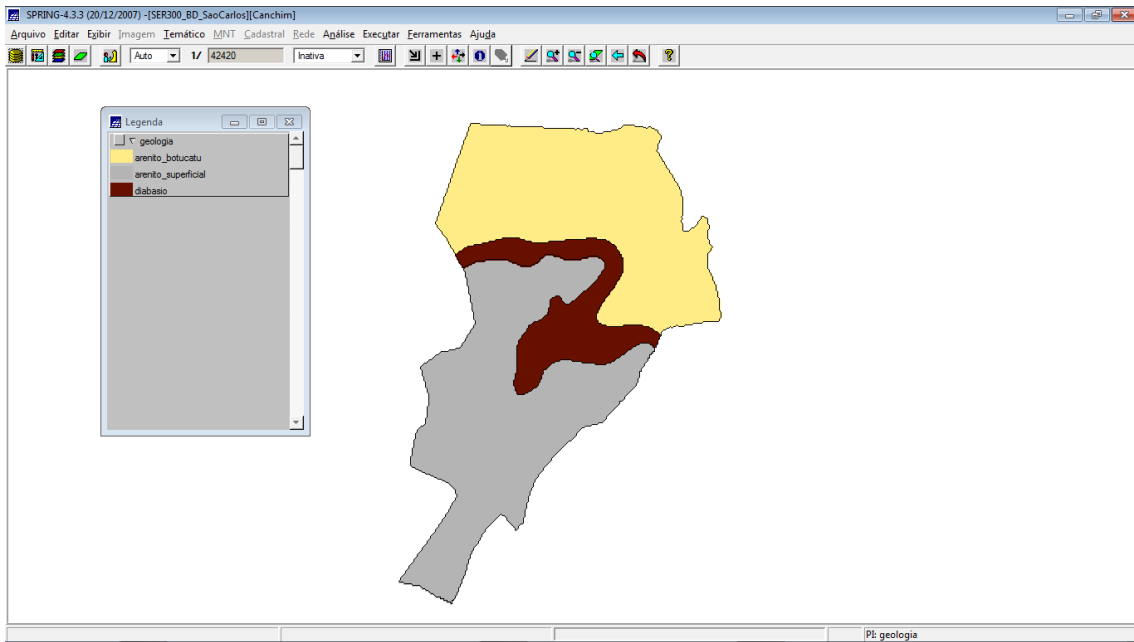


Figura 25. Mapa geológico

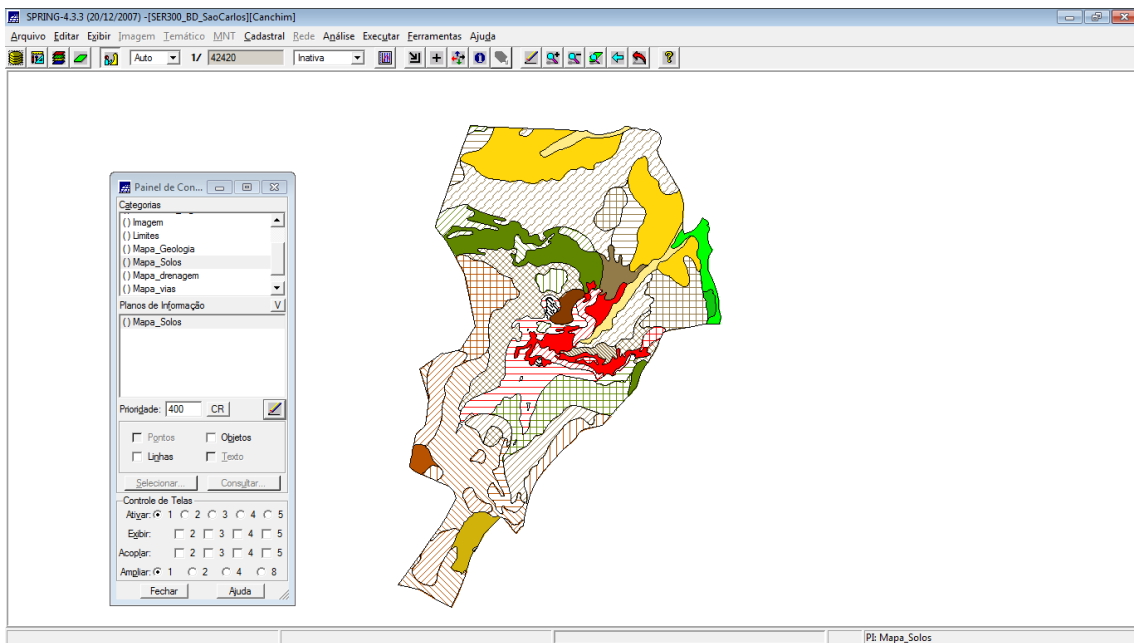


Figura 26. Mapa de solos.