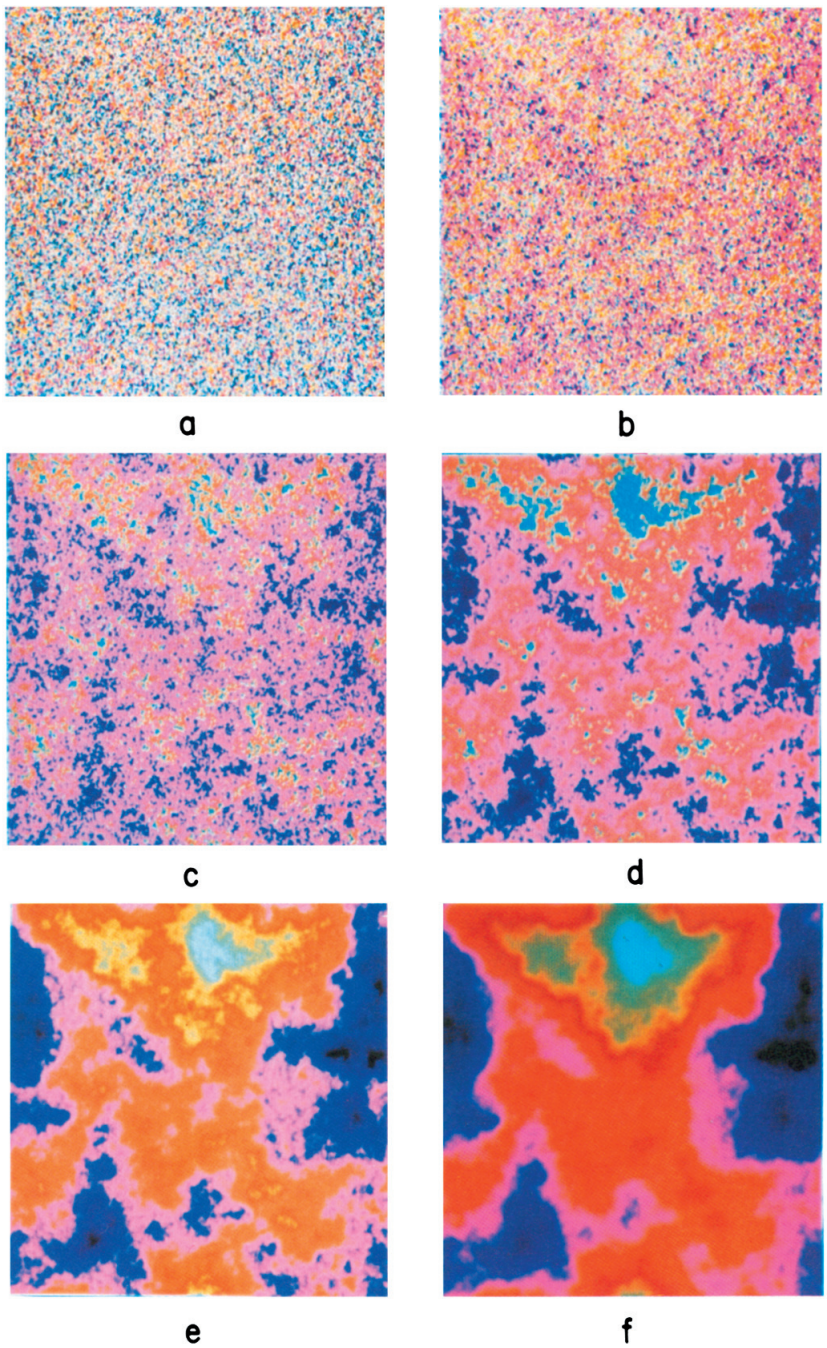

Figure 7.22. Synthetic fractal images on a 256 × 256 grid. (a) White noise without fractal filtering. (b) Filtered white noise with $\beta = 1.2$ and $D = 2.9$. (c) Filtered white noise with $\beta = 1.6$ and $D = 2.7$. (d) Filtered with $\beta = 2.0$ and $D = 2.5$. (e) Filtered with $\beta = 2.4$ and $D = 2.3$. (f) Filtered with $\beta = 2.8$ and $D = 2.1$.

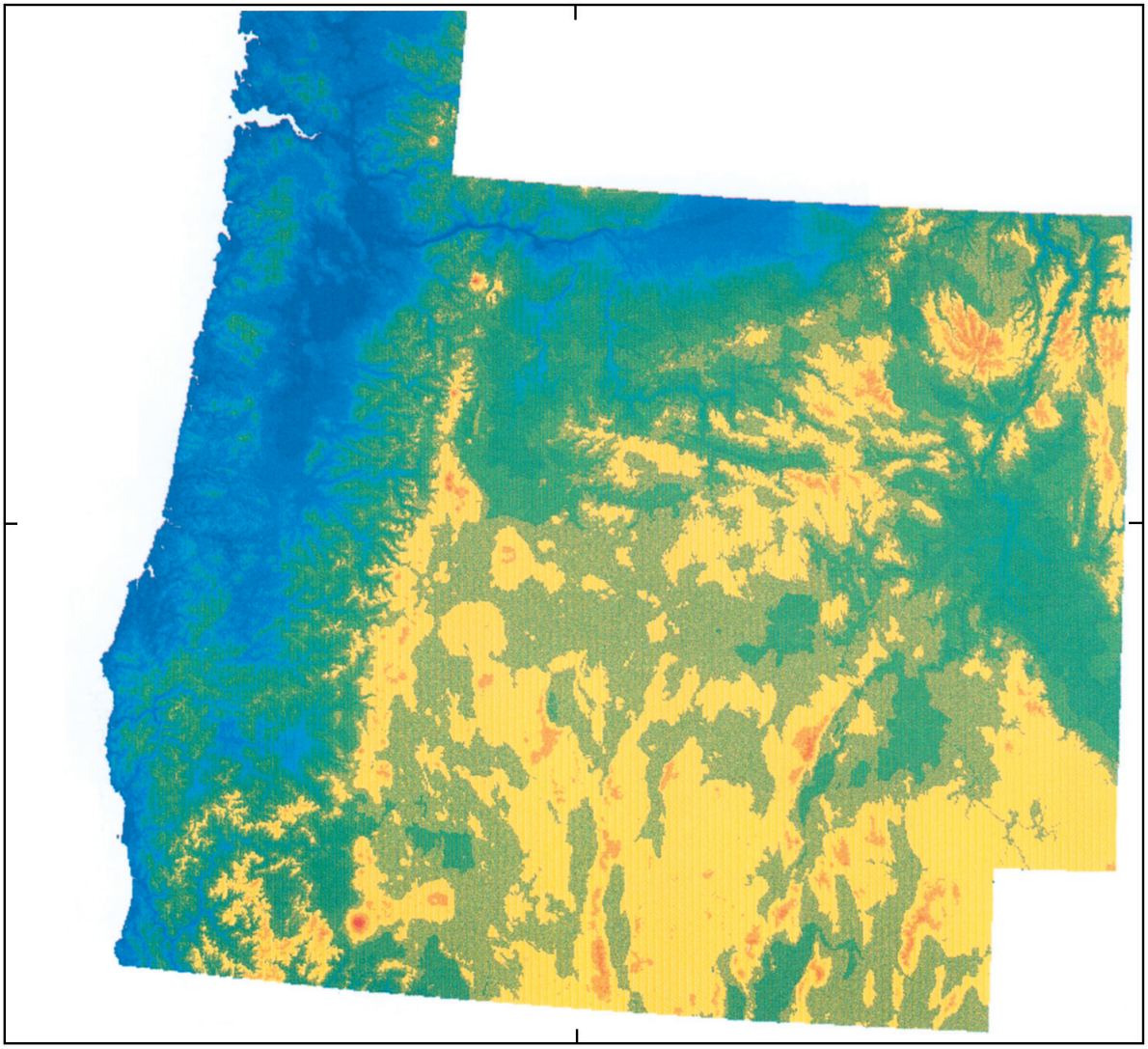

Figure 7.23. Map of the digitized topography for Oregon. Data resolution is about seven points per kilometer. The width of the state of Oregon is about 375 miles.

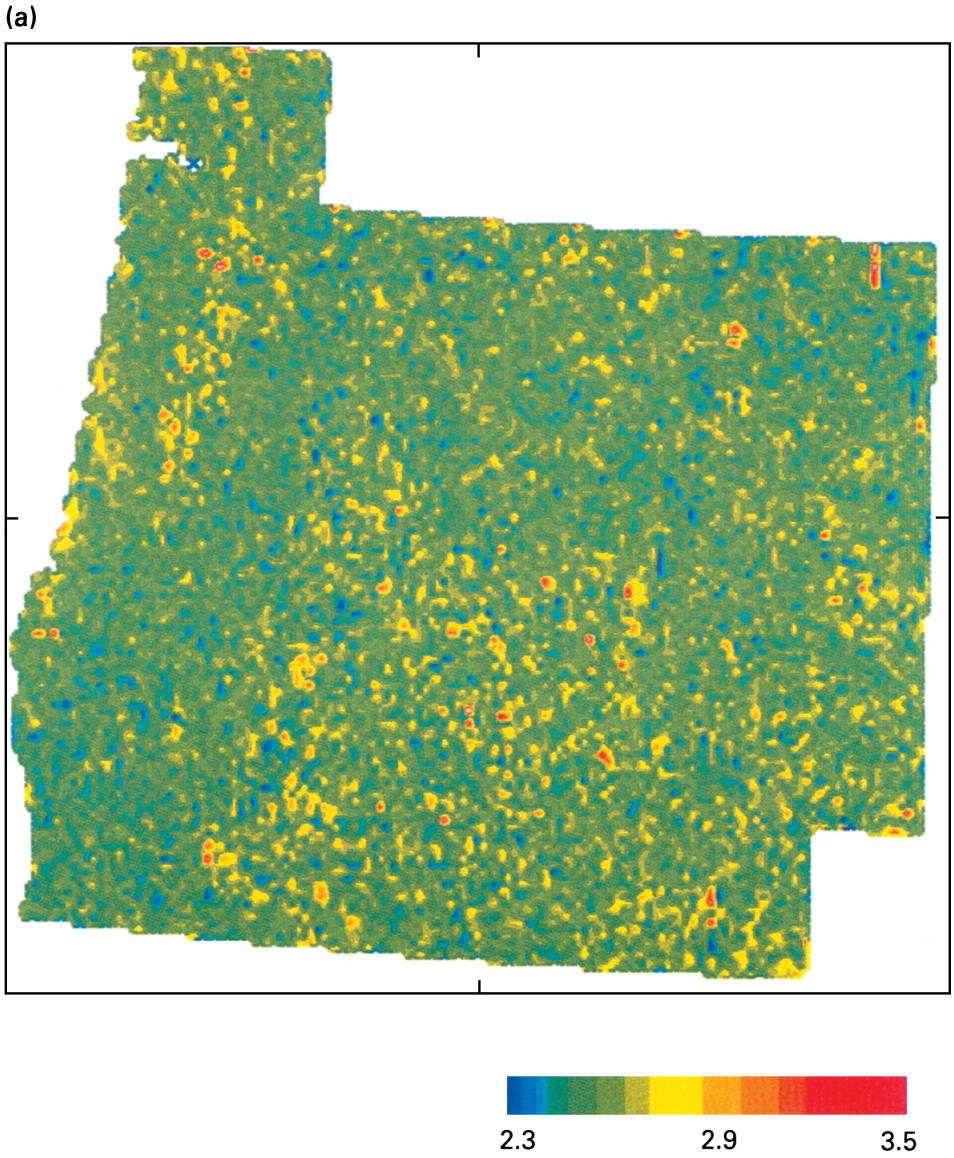

Figure 7.25. Maps of (a) fractal dimension and (b) roughness amplitude for Oregon. There is generally limited systematic variation in the fractal dimension; however, the roughness amplitude is sensitive to texture changes.

(b)

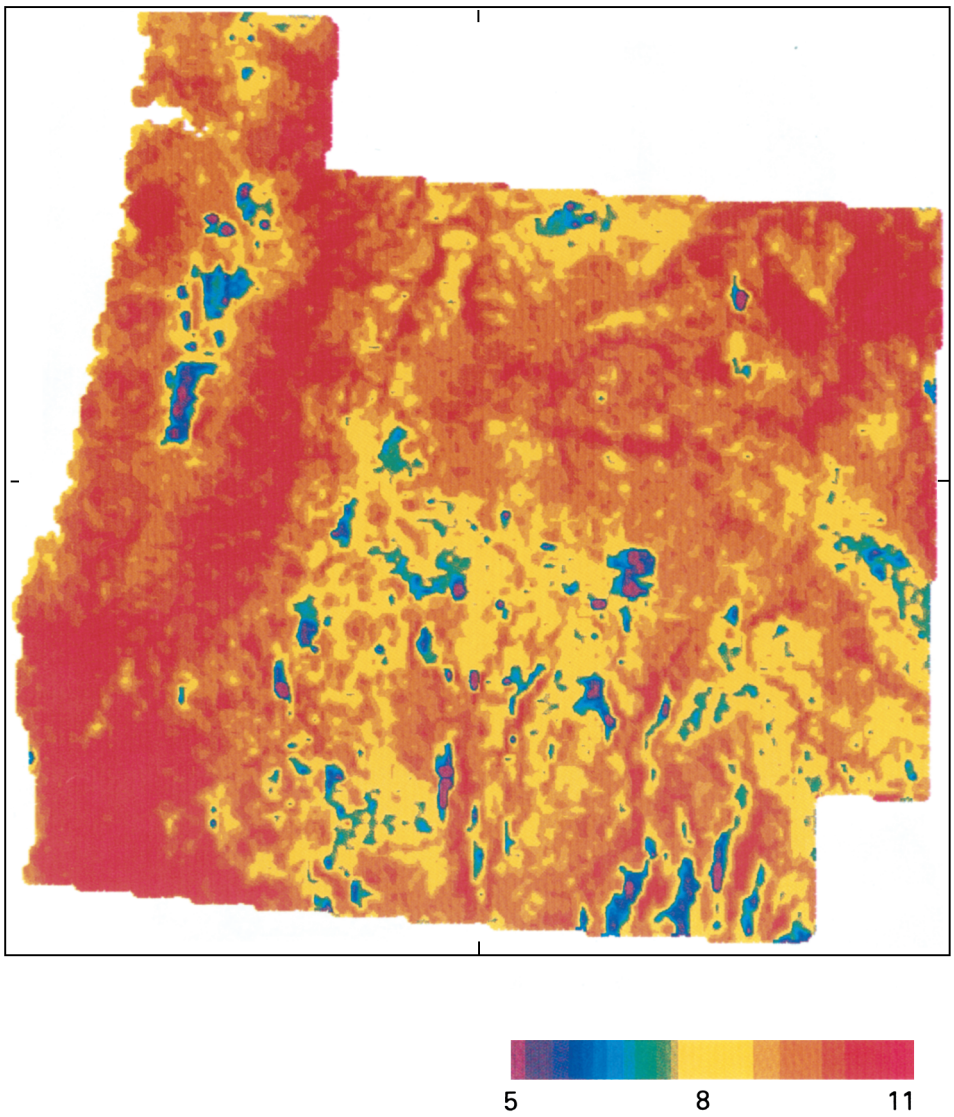

Figure 7.25. (*cont.*)