



Fig. 10. Trace of orbit-pole concentrations in the northern hemisphere on a physiographic map of Mars from 30°W to 330°W with decreasing age (from Figures 9a—d), principal orbit-pole concentrations appear to migrate from near Utopia Planitia to Amazonis Planitia and finally to the present geographic pole. The oldest orbit-pole concentrations (Class 4 and 5 grazers) are indicated by the open stipple pattern, middle-age (Class 3) by tight stipple pattern, and the youngest (Class 1 and 2) by the black region. Maps produced by the Lowell Observatory in collaboration with the National Geographic Society.