



The cameras on the Viking Lander acquire data by sampling in equal increments of elevation and azimuth angle. In the accompanying mosaic, 8 mm subelements a  $1^\circ$  horizontal or vertical angle, regardless of the place of measurement within the panorama. If the martian surface were flat, one picture element ( $0.04^\circ$ ) on the surface would be 1 mm wide at  $60^\circ$  camera elevation and 2 mm wide at the horizon 3 km away. Characteristically for this type of imaging system, most straight lines in the scene appear curved in the reconstruction. This representation of the picture data differs from that of a conventional

The cameras on the Viking Lander acquire data by sampling an equal increment of the horizontal angle. In the accompanying mosaic, 8 mm subfields  $1^\circ$  horizontal or vertical angle, regardless of the phase of measurement within the frame. If the camera is pointed at the horizon, the  $0.04^\circ$  on the surface would be 1 mm wide at  $60^\circ$  camera elevation and 2 mm wide at the horizon 3 km away. Characterization of the scene using mosaic, most straight lines in the scene appear to follow this reconstruction. The representation of the picture data differs from that of a con-

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