using an Affine program (Figure 12). A method to
establish relative control in the digitizing effort was
devised. Digitizing removed inherent media distortion of
the graphic reproduction of the manuscripts. The
mechanics and mathematics of the digitizing system
requires that all projection grid lines (latitude and
longitude) intersections completely enclose the data that
is digitized. By assigning known and true values for each
projection intersection, the MERCT (Mercator
transformation program) adjusted each digitized point
enclosed within a projection cell, based on the true
values of the intersections versus the digitized and
computed values of those same intersections (Figure 12).