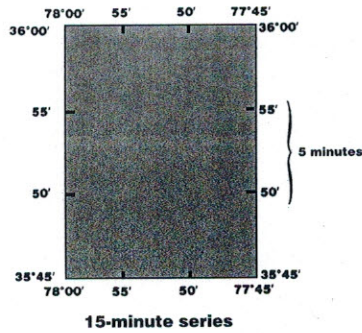
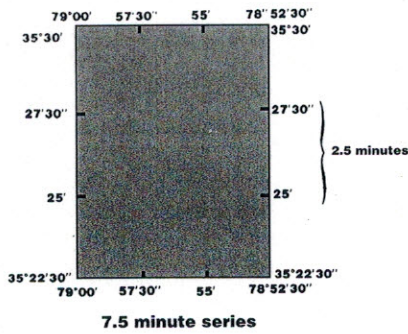


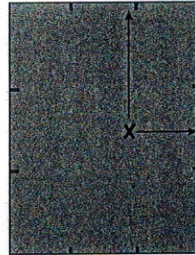
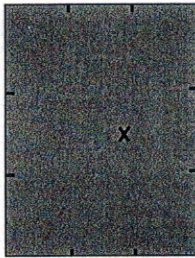
DIRECTIONS FOR USE OF THE TOPO-AID™

The Topo-Aid™ can be used to determine the longitude and latitude of a point on U.S.G.S. 7.5-minute and 15-minute topographic maps, or, to find a point for which the coordinates are known.

U.S.G.S. topographic maps indicate the longitude and latitude at 12 places. At the four corners the entire latitude and longitude is given. Between each corner are two additional grid tics at intervals of 2.5 minutes on 7.5-minute maps and 5 minutes on 15-minute maps:



Example of use; find the coordinates of the "X"



First, project the point normal to the nearest borders. Next, place the Topo-Aid™ as shown below between the grid tics that the point falls between. The horizontal bars on the Topo-Aid™ should be parallel to the margin of the map and the outer lines of the Topo-Aid™ should correspond exactly to the width of the grid tics.

To read the Topo-Aid™ use the black scale for 7.5-minute topo maps and the red scale for 15-minute topo maps. Add the reading to the nearest grid tic value to the south for latitude and east for longitude for the example given.

