Latitude and Longitude in MIMS

I. An overview of latitude and longitude.
Remember: Latitude is based on how far north or south a point is from the equator. Longitude is based on how far east or west a point is from the prime meridian. Both are angles expressed as degrees, minutes, and seconds.

II. Latitude and longitude format.
The format for entering latitude and longitude in MIMS is:

> (long) {E/W} (lat) {N/S} **or** (lat) {N/S} (long) {E/W}

> where (lat) and (long) are in degrees, minutes, and seconds in one of these formats (with any number of digits after the decimal place):

> DDD.dddddddd **or** DDD MM.mmmmmmm **or** DDD MM SS.ssss

III. How to set a specific latitude and longitude as the center of your screen.
1. Click 'Setup' in the upper right-hand corner of the MIMS screen.
2. Press <F8=Control> to view the Program Control Data screen.
3. The first line on this screen is the current display center. The latitude and longitude displayed here can be changed to change the display center.
4. <F11> will take you back to the map with the specified latitude and longitude at the center of the map display.

IV. Locating a specific latitude and longitude with the 'Measure' command.
1. Click 'Measure' from the upper right-hand corner of the MIMS screen.
2. Click on any point on the map.
3. Press <F7=Inpt mode> to bring up the input window.
4. Enter the desired latitude and longitude in one of the above formats.
5. Press <Corner> to place a 'corner' at the desired point. You will now have a line segment from the first point clicked to the desired latitude and longitude. (The zoom command can be used if the line goes off the screen.)
6. <F7=Inpt mode> will close the input window.

V. Determining the latitude and longitude of a point on the map.
1. Click 'Measure' from the upper right-hand corner of the MIMS screen.
2. Click on a point on the map.
3. The latitude and longitude of the point are displayed in the MIMSTEXT window.

VI. Mapping a specific latitude and longitude using input mode.
1. When editing any layer, choose <F7=Inpt mode>.
2. Enter the desired latitude and longitude in one of the above formats.
3. Press <Corner> to place a 'corner' (in this case an x) at the desired point.