# Global Earthquake Model – Direct Observation Tools for Windows

## System Requirements

Windows XP/VISTA/7  
Admin privileges  
Microsoft Visual C++ 2008  
Microsoft .Net Framework 4

## Installation

Before you install the Global Earthquake Model Direct Observation (GEM DO) Tools there are some prerequisites that you might need to install. These are required by many other software products so they may already be installed, but trying to install them again won’t cause any problems.

Please ensure the following installations are run with Administration privileges.

**The Microsoft Visual C++ 2008 Redistributable Package (x86)**If this included with the distribution please install ‘credist\_x86\_2008.exe’ otherwise download the installation from <http://www.microsoft.com/en-us/download/details.aspx?id=5582>

**The Microsoft .Net Framework 4**If this included with the distribution please install ‘dotNetFx40\_Full\_x86\_x64.exe’ otherwise download the installation from <http://www.microsoft.com/en-us/download/details.aspx?id=17718>

**Global Earthquake Model – Direct Observation Tools for Windows**With these prerequisites installed you can now run the ‘GEM - Direct Observation Tools.msi’ installation file.

## Potential Issues

**The program crashes instantly**  
The MapWindow components have not registered properly. Try registering the MapWindow ActiveX control manually by browsing to the installation directory, typically “C:\Program Files\GEM\GEM - Direct Observation Tools\” and running the ‘regMapWinGIS.cmd’ file as administrator. If it cannot register the map window ocx try installing the prerequisites listed above, then run the ‘regMapWinGIS.cmd’ file again.

**Failed to initialize the selected projection**Files required by the Proj4 projection library cannot be found. Try registering the location manually by browsing to the installation directory, typically “C:\Program Files\GEM\GEM - Direct Observation Tools\” and running the ‘regMapWinGIS.cmd’ file as administrator. This automatically adds the environment variable ‘PROJ\_LIB’ which points to the ‘PROJ\_NAD’ folder. A system reboot is sometimes required.