

Downloadable at: <http://www.seis.sc.edu/scepp/teach/module.html>

SCEPP
DETECTING THE LAYERED EARTH
Student Instructional Guide

Note: These instructions have been prepared to provide you assistance in operating the GEE program. All bold items are menu items that you will employ.

Exploration Phase: Question 1:

1. Select '**GEE**' icon - double click. The Global Earthquake Explorer [GEE] window will open.
2. Single click on '**Detecting the Layered Earth**'. A brief introductory statement will appear. Click on the "Seismogram Display" tab to begin the exercise.
3. To pick wave arrival times: Select (single click) on the Pick Zone icon (the icon showing a red bar across a seismogram.) Then highlight a particular area on a seismogram by clicking and then dragging on a seismogram. When you release the mouse button a magnified view of the highlighted area will appear in the '**Pick Zone**' window. Repeat for additional wave arrivals and/or seismographs. They will appear in same window. Close this window when completed with task.
4. Click on the "Map" tab at the top of the window. Map image should now be visible. Seismograph Stations appear as red triangles. Earthquake Epicenter appears as a purple star.

Question 2:

1. When finished with the previous task, click the '**Record Section**' tab at the top of the window
2. Select the '**Tools**' drop down menu – Click on '**Event and Station Information**'; a new window will open. **Note:** This window will provide information concerning the Seismogram '**Station**' and/or the actual '**Event**' [Earthquake].

Question 3:

1. Close '**Show Event and Station Information**' window when finished with task.