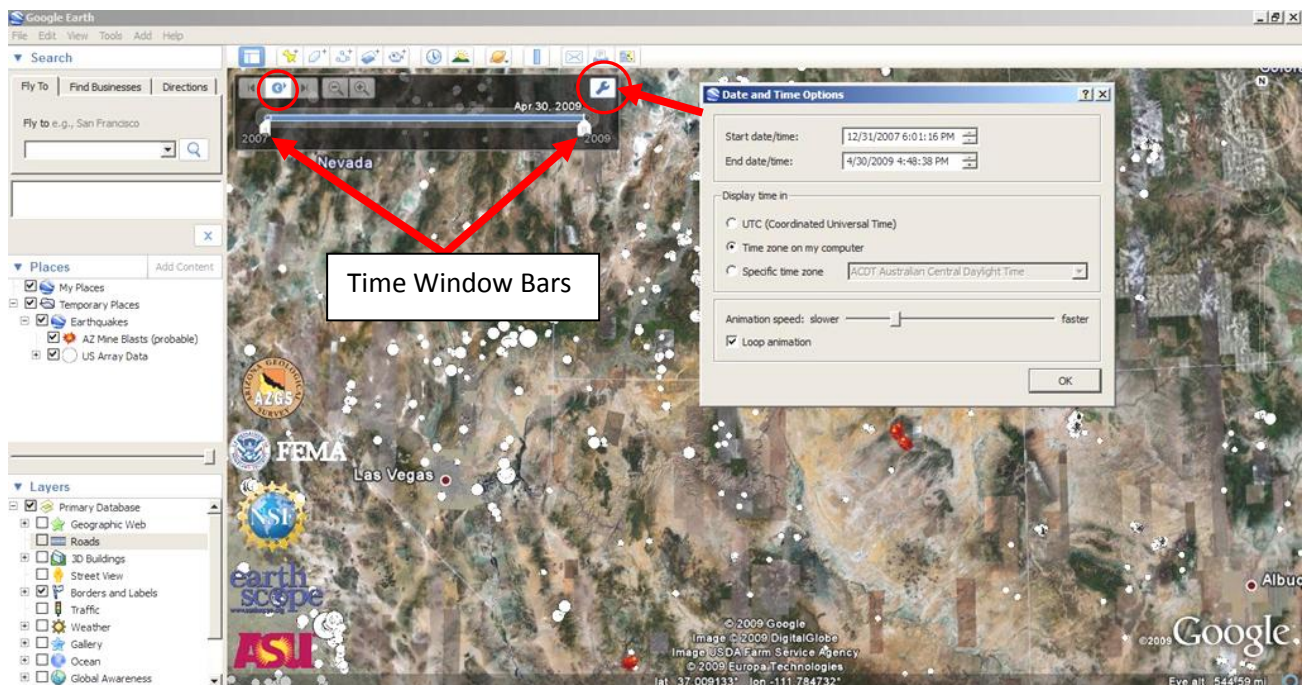


Allquakes.kmz Google Earth Readme File

Note: Data for Allquakes.kmz file was obtained from the EarthScope Array Network Facility (ANF) web page (<http://anf.ucsd.edu>). Earthquake data from the USArray Transportable Array is picked by ANF analysts and is provided as zipped monthly tarball archives (catalogs) containing arrival, association, event, origin error (origerr) and origin tables (<http://anf.ucsd.edu/tools/events/download.php>). This catalog is merged from several data sources and is not considered to be the authoritative source for the described events. The data used within the Allquakes.kmz file was limited to information provided within origin tables.

To view earthquake data within Allquakes kmz file:

- 1) Be sure you have updated version of Google Earth installed on your computer. You may download the latest version for free from <http://earth.google.com/intl/en/download-earth.html>
- 2) Download “Allquakes.kmz” file to your desktop from <http://earthquakes.asu.edu/hazard.html>. Some browsers may try to rename the file or file extension, so be sure that you rename the file “allquakes.kmz” upon download.
- 3) Open “allquakes.kmz” file. The file will initially appear with your default Google Earth settings, except for the addition of a timeline in the upper left portion of your viewer window.



4) Viewing earthquakes with the Google Earth time slider:

- First, click on the wrench symbol in the upper right corner of the timeline area to open the “Date and Time Options” window (see figure).
- Within the “Date and Time Options” window, reduce animation speed to an appropriate level (for this file it will be on the “slower” side) and make sure the box marked “Loop Animation” is checked. Close the “Date and Time Options” window.
- Now, identify the white markers on the timeline bar in the upper left corner of the Google Earth window (by default they will both be located together at the left or beginning of the timeline). These time window bars function as a viewing window within the timeline. In Google Earth, only the events that occurred within the active time window will be visible.
- To view all earthquakes at once, place the time sliders at opposite ends of the timeline (you will need to slide both to the right, and then only the leftmost bar back to the beginning). This will anchor the leftmost bar at the beginning of the timeline.
- The “play” button in the upper left portion of the timeline area will cause the right time window bar to start advancing from the beginning.

5) This is a large file and may slow some computers down. Here are some tips to reduce lag on your computer.

- Uncheck any layers you are not using within the “Layers” or “Places” menus in the left portion of your screen.
- Adjusting the left time slider bar will shorten your time window causing older earthquakes to disappear. This is also useful for viewing events in more active regions.
- Expand the US Array Data tree in the “Places” menu and uncheck any data that you are not currently interested in viewing.

This seismicity visualization was produced by Jeff Lockridge, Matthew Fouch, and Ramon Arrowsmith in the School of Earth and Space Exploration at Arizona State University with support from the FEMA project “Seismic Hazard Update for Arizona” administered by the Arizona Geological Survey.