

# Seismicity

The Seismicity tab allows users to display earthquakes in a region over a specified time period.

Map Tools | **UAVSAR** | GPS | **Seismicity** | Forecast  
Magnitude | Disloc | Special Studies | Reset | Help

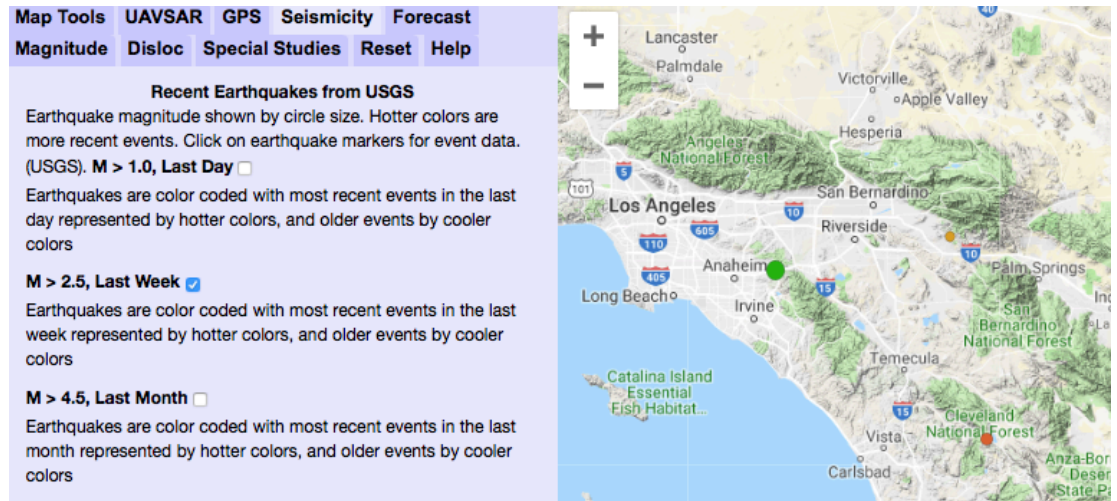
**Recent Earthquakes from USGS**  
Earthquake magnitude shown by circle size. Hotter colors are more recent events. Click on earthquake markers for event data. (USGS). **M > 1.0, Last Day** ☐  
Earthquakes are color coded with most recent events in the last day represented by hotter colors, and older events by cooler colors

**M > 2.5, Last Week** ☐  
Earthquakes are color coded with most recent events in the last week represented by hotter colors, and older events by cooler colors

**M > 4.5, Last Month** ☐  
Earthquakes are color coded with most recent events in the last month represented by hotter colors, and older events by cooler colors

**Show or Hide Earthquakes** ☐  
**Filter Earthquakes M > 5** ☐  
**M > 6.5** ☐  
**Depth ≤ 30 km** ☐

**Search Earthquake Catalog**  
Select your bounding box and time interval and then click "Fetch Catalog".  
This service harvests data from the [USGS FDSN API](#)  
Min Lat: 32.0  
Min Lon: -130.0  
Max Lat: 35.0  
Max Lon: -110.0  
Starting Date: 2019-03-10  
Starting Time: 00:00:00  
Ending Date: 2019-04-09  
Ending Time: 00:00:00  
Minimum Magnitude: 3.0  
Maximum Magnitude: 10.0  
Icon display scale: 1.0



The tab allows for a selection of Recent Earthquakes from USGS data, which can be found on the USGS website <https://earthquake.usgs.gov/earthquakes/map/>, as shown in the image above. The earthquake's magnitude is shown by circle size. Hotter colors are more recent events. Read the description under each checked box for further information about the data.

**Filter Earthquakes M > 5** ☐  
**M > 6.5** ☐  
**Depth ≤ 30 km** ☐

Additional filters, such as  $M > 5$  and  $M > 6.5$  and  $\text{Depth} \leq 30 \text{ km}$  can be found in the tab under Filter Earthquakes as shown above.

**Search Earthquake Catalog**

Select your bounding box and time interval and then click "Fetch Catalog".

This service harvests data from the [USGS FDSN API](#)

Min Lat:

Min Lon:

Max Lat:

Max Lon:

Starting Date:

Starting Time:

Ending Date:

Ending Time:

Minimum Magnitude:

Maximum Magnitude:

Icon display scale:

[Download GeoJSON](#) [Download USGS KML](#)

To generate the earthquake catalog, users must input data specific to what they want to produce.

**Lines 1-4** require users to put the latitudes and longitudes of the specified region.

**Lines 4-8** require data regarding the range of date and time of interest.

**Lines 9-10** require the range of chosen magnitude.

Lastly box 11 requires the user to scale the size of the icon of the seismic event, by inputting a number (larger number = larger icon).

Click “Fetch Seismic Catalog” in order to display the result of the seismicity on the map. Moreover, users are given the option to download “GeoJSON” and “USGS KML”.

Select your bounding box and time interval and then click "Fetch Catalog".

This service harvests data from the [USGS FDSN API](#)

Min Lat:

Min Lon:

Max Lat:

Max Lon:

Starting Date:

Starting Time:

Ending Date:

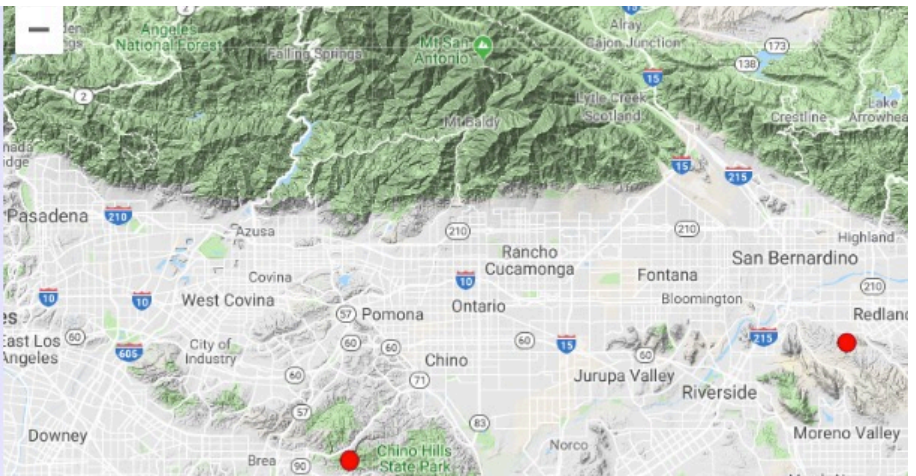
Ending Time:

Minimum Magnitude:

Maximum Magnitude:

Icon display scale:

[Download GeoJSON](#) [Download USGS KML](#)



Right next to the “Fetch Seismic Catalog” is the “Clear Seismic data” where the data inputted clears.