

# eqFocus

EARTHQUAKE LOCATION & MAGNITUDE CALCULATION SOFTWARE

## FEATURES

- Simple user interface
- Portability
  - standalone operation or
  - Network to shared SQL earthquake database
- Visualise locations using the in-built World Wind earth browser
- Export data to ISC and SeisAn
- Database information management in eqFocus
- Runs on any platform supporting Java Runtime Environment (JRE), eg Windows, Mac OSX, Unix

## APPLICATIONS

- Local and regional earthquake monitoring
- Micro-seismic and aftershock monitoring

SOFTWARE



seismic solutions

eqFocus is an interactive earthquake location and magnitude calculation program designed with ease of operation in mind. Seismograph trigger information can be entered manually, read from files, or extracted from a database.

Custom earth models can be added and users can quickly swap between models. Seismic stations and Place names can be easily added to the database from within eqFocus without the need to edit the database using text commands or other tools.



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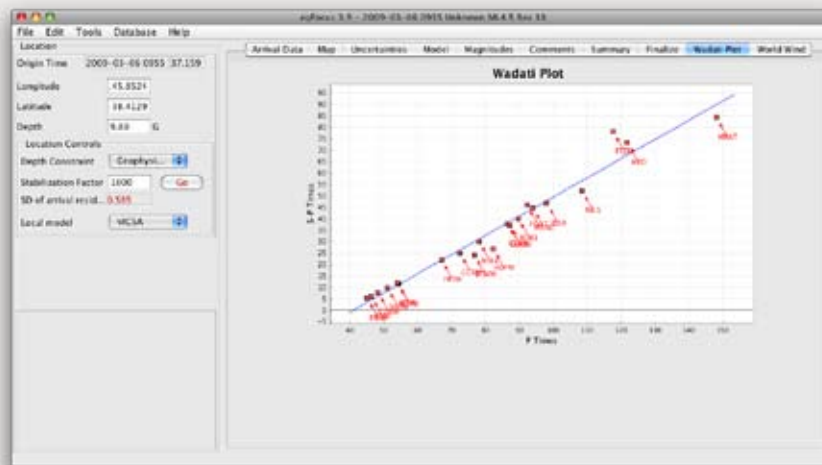
# TECHNICAL SPECIFICATIONS

<b>Inputs</b>	<ul style="list-style-type: none"> <li>• eqWave data files with embedded arrivals, peak, amplitudes and frequencies</li> <li>• Existing locations and arrivals in the database, including automatic locations created by eqWatch</li> <li>• SeisAn and EQLOCL format earthquake location files</li> <li>• Manually entered arrivals, peak amplitudes and frequencies</li> </ul>
<b>Magnitude Calculation</b>	<ul style="list-style-type: none"> <li>• Calculates Richter local &amp; duration magnitudes using response information &amp; user defined functions</li> </ul>
<b>Output</b>	<ul style="list-style-type: none"> <li>• Stores location information into a database</li> <li>• May produce a SeisAn format file containing trigger and location information</li> </ul>
<b>Display</b>	<ul style="list-style-type: none"> <li>• Easy to edit list of arrivals and magnitudes</li> <li>• A map showing location of the event, seismographs and nearby towns</li> </ul>
<b>Requirements</b>	<ul style="list-style-type: none"> <li>• Computer with Java Runtime Environment</li> <li>• Compatible with Windows, Mac OS X, Unix, Linux and other operating systems</li> </ul>

## eqFocus SCREENSHOTS

### DYNAMIC WADATI PLOTS

For showing site-location accuracy



### WORLD WIND

Use NASA's earth viewer to visualise your earthquake location. High resolution maps require an Internet connection

