Astracadabra

TIPS & TECHNIQUES

Entering Earthquakes

This describes how you can enter an earthquake into Astracadabra using the date, time, latitude and longitude but without using Town/Country or a Timezone. Sometimes earthquakes occur in the middle of an ocean as did the Boxing Day 2004 tsunami, so you might not know the nearest timezone.

The 2005 earthquake in Pakistan was listed at this site http://earthquake.usgs.gov/recenteqsww/Quakes/quakes_big.html, and the details are:
7.6 2005/10/08 03:50:38 34.402 73.560 10.0 PAKISTAN

From the above, the latitude and longitude equate to 34*N 25' 55" and 73*E 32' 13", respectively.

To enter this information into Astracadabra, do the following:

i) Startup Astracadabra
ii) Tap on the "Chart" menu item then tap on the "New" menu item to see the New Entry screen
iii) Enter a Name, such as Earthquake-Pak(Islamabad), tap on the ENTER button on the keyboard to highlight the Date field
iv) Enter 8.10.05 (or 10.8.05 US) then tap on the ENTER button to highlight the Time field. The Date format will change to 8 Oct 2005 (or Oct 8, 2005 US)
v) For the time, initially tap in 3.50.38 then tap on the ENTER button to highlight the Place field. The Time format will change to 3:50:38 am
vi) For the Place field, tap in an asterisk symbol (*) since the actual place might not be a town then tap on the ENTER button to highlight the Country field
vii) For the Country field, tap in an asterisk symbol (*) since the actual country might not even be on land then tap on the ENTER button to highlight the Timezone field
viii) Tap in the letters "lmt" or "LMT" (without the quotes) into the Timezone field then tap on the ENTER button to highlight the Lat. field. The Timezone will automatically add a Hour/Minute/Second but will not be correct until the Long. is entered later
ix) Tap in 34N25.55 then tap on the ENTER button to highlight the Long. field. The Lat. will change to 34N25 55
x) Tap in 73E32.13 then tap on the ENTER button to highlight the Name field again. The Long. will change to 073E32 13
xi) You will notice that the time value next to the letters LMT has now changed to "-04:54:09". This value is correct for that particular longitude but we now need to change the Time field for local time
xii) Since the longitude is East of Greenwich, UK we need to manually ADD 4 hours 54 minutes and 9 seconds onto the earthquake time given above. (If the longitude was West then we would need to SUBTRACT the LMT value from the Time field). ADDing the value to the Time field results in a local time of 8:44:47 am.
xiii) Tap on the Time field to highlight it and tap in the value 8.44.47 then tap on the ENTER button to highlight the Place field again. The Time field will now change to 8:44:47 am
xiv) Finally, tap on the "OK" button to see the chart. If you are using the Tropical zodiac as the default zodiac then you will see an Ascendant of 18* Scorpio and MC of 26* Leo on the chart.

If you wish, you can Save this chart to a chart file. Entering earthquake data in this fashion brings into play some of the data entry features of Astracadabra, such as the use of the asterisk (*) in the Place and Country fields for unknown places, and the use of the LMT feature where Astracadabra calculates the corresponding HMS from the Longitude for adjusting the initial Time field.