

# Tracking the Sun

Plot the position of the Sun for each day you have data. Use each graph to find the elevation of the Sun at Local Noon (local noon occurs when the Sun has its highest elevation, NOT at the clock time 12 noon) for each date.

Name:

$$\text{Latitude} = 90^\circ - \text{Local Noon Elevation of the Sun} + \text{Declination of the Sun}$$

Class/Date:

Date:

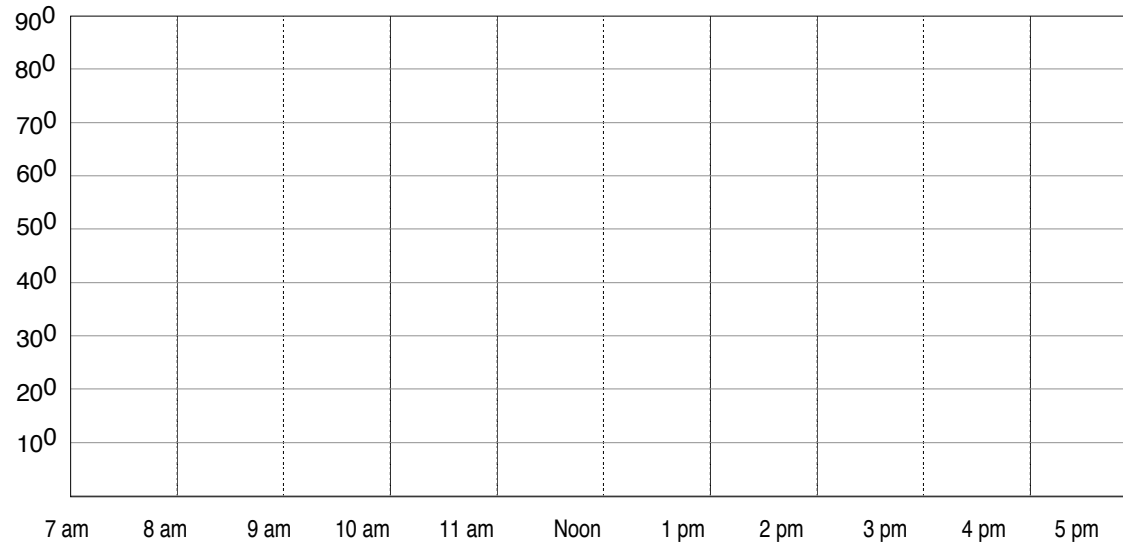
Location:

Solar Declination:

Solar Altitude:

Calculated latitude:

Time	Elevation



Date:

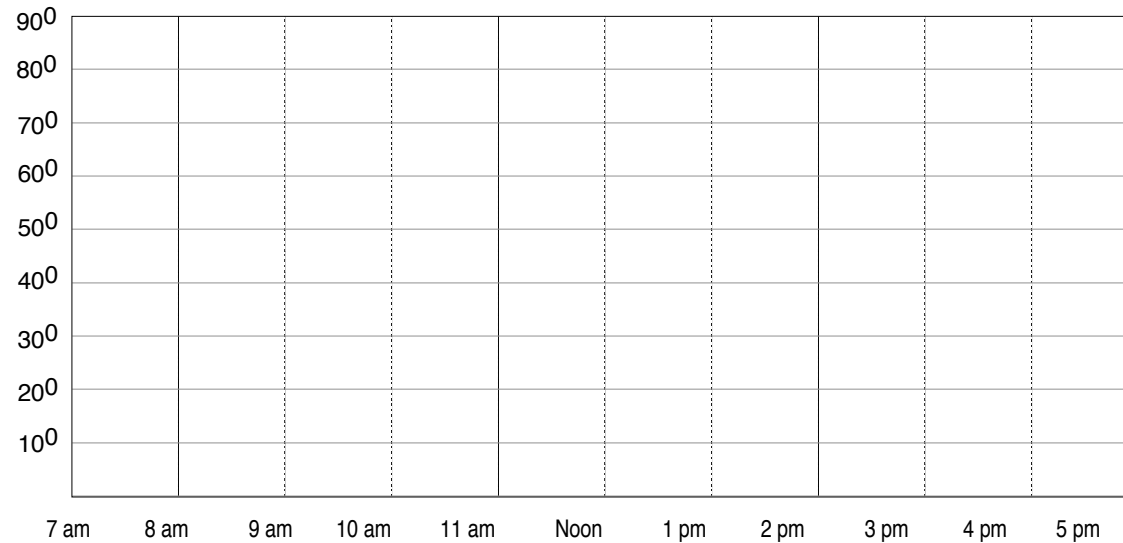
Location:

Solar Declination:

Solar Altitude:

Calculated latitude:

Time	Elevation



**Grading**  
 Format 5 pt.  
 Data and Graph 10 pt.  
 Latitude 10 pt.