

# 4. Time and the Earth Moon Sun Cycles (Part 2 - Determining Longitude)

Edexcel GCSE Astronomy Course  
(Taught Concepts Only Sept 2020)

# Specification Points

4.17 Be able to use data related to time zones - rotation rate of the Earth =  $360/24 = 15$  deg per hour so time zones usually change accordingly except for geographical and political complications

4.20 Understand the principles of astronomical methods for the determination of longitude, including lunar distance method

4.21 Understand the principle of the horological method for the determination of longitude (Harrison's marine chronometer) (knowledge of internal working of chronometers not required)

Read the book 'Longitude' by Dava Sobel !