



# LOCATION WORKS

## Sunrise / Sunset Predictions

London, England. Latitude 51° 30' North, longitude 0° -6' East

| Day        | Date           | Civil Twilight | Sunrise Time  | Sunrise Azimuth | Daylight Hours | Sunset Time   | Sunset Azimuth | Civil Twilight | Moon Phase |
|------------|----------------|----------------|---------------|-----------------|----------------|---------------|----------------|----------------|------------|
| Sun        | 11/7/10        | 04:10*         | 04:56*        | 55°             | 16:19          | 21:15*        | 312°           | 22:00*         | ●          |
| Mon        | 12/7/10        | 04:11*         | 04:57*        | 55°             | 16:17          | 21:14*        | 312°           | 21:59*         | ◐          |
| Tue        | 13/7/10        | 04:13*         | 04:58*        | 55°             | 16:15          | 21:13*        | 311°           | 21:58*         | ◑          |
| <b>Wed</b> | <b>14/7/10</b> | <b>04:14*</b>  | <b>04:59*</b> | <b>56°</b>      | <b>16:13</b>   | <b>21:12*</b> | <b>311°</b>    | <b>21:57*</b>  | ◒          |
| Thu        | 15/7/10        | 04:15*         | 05:00*        | 56°             | 16:11          | 21:11*        | 311°           | 21:55*         | ◓          |
| Fri        | 16/7/10        | 04:17*         | 05:01*        | 56°             | 16:09          | 21:10*        | 310°           | 21:54*         | ◔          |
| Sat        | 17/7/10        | 04:18*         | 05:03*        | 57°             | 16:06          | 21:09*        | 310°           | 21:53*         | ◕          |

Magnetic Declination is **4° West**. Compass readings are **Magnetic North** - the calculations include the Declination (do not adjust your compass). Civil Twilight is defined as the time when the Sun is 6° below the horizon. Times followed by an asterisk are British Summer Time.

These figures assume a nautical horizon; if the horizon is obscured by mountains or buildings, use the location diagram below to estimate the azimuth (compass bearing) of rising/setting. If your application requires a high degree of accuracy, it is recommended that you use these figures merely as a guideline for your own observations.

— Moon phases: ● New Moon; ◐ First Quarter; ◑ Full Moon; ◒ Last Quarter.

### Solar Location Diagram

This diagram shows the altitude and azimuth of the Sun from sunrise to sunset.

The radial lines indicate the azimuth (compass bearing) at 15° intervals.

The concentric circles indicate the altitude of the Sun at 10° intervals, from 0° on the horizon to 90° on the zenith.

London, England

Latitude 51° 30' North

Longitude 0° -6' East

Wed 14th July 2010

Time zone: O

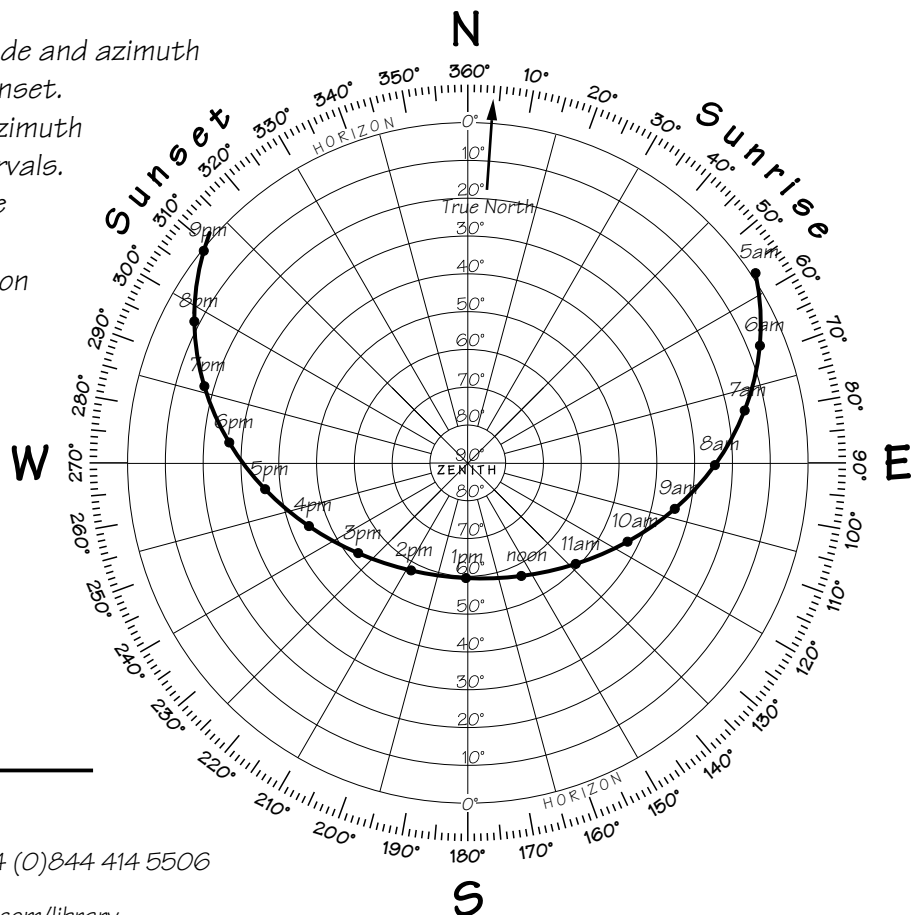
British Summer Time applies

Sunrise: 04:59, 56°

Sunset: 21:12, 311°

Sun's highest altitude: 59°

Moon phase: ◒



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