



# 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        | 8/2/09         | 06:51          | 07:27        | 117°            | 9:35           | 17:02        | 250°           | 17:38          | ☉          |
| Mon        | 9/2/09         | 06:50          | 07:25        | 116°            | 9:39           | 17:04        | 251°           | 17:39          | ☉          |
| Tue        | 10/2/09        | 06:48          | 07:23        | 116°            | 9:43           | 17:06        | 252°           | 17:41          | ☉          |
| <b>Wed</b> | <b>11/2/09</b> | <b>06:46</b>   | <b>07:21</b> | <b>115°</b>     | <b>9:47</b>    | <b>17:08</b> | <b>252°</b>    | <b>17:43</b>   | ☉          |
| Thu        | 12/2/09        | 06:44          | 07:19        | 115°            | 9:51           | 17:10        | 253°           | 17:45          | ☉          |
| Fri        | 13/2/09        | 06:43          | 07:17        | 114°            | 9:55           | 17:12        | 253°           | 17:46          | ☉          |
| Sat        | 14/2/09        | 06:41          | 07:16        | 113°            | 9:57           | 17:13        | 254°           | 17:48          | ☉          |

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.

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 11th Feb 2009  
 Time zone: 0  
 (no daylight saving)  
 Sunrise: 07:21, 115°  
 Sunset: 17:08, 252°  
 Sun's highest altitude: 25°  
 Moon phase: ☉

