



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 | 6/12/09 | 07:10 | 07:50 | 130° | 8:02 | 15:52 | 237° | 16:31 | ☉ |
| Mon | 7/12/09 | 07:11 | 07:51 | 130° | 8:01 | 15:52 | 237° | 16:31 | ☉ |
| Tue | 8/12/09 | 07:12 | 07:52 | 131° | 7:59 | 15:51 | 236° | 16:31 | ☉ |
| Wed | 9/12/09 | 07:13 | 07:53 | 131° | 7:58 | 15:51 | 236° | 16:31 | ☉ |
| Thu | 10/12/09 | 07:14 | 07:54 | 131° | 7:57 | 15:51 | 236° | 16:31 | ☉ |
| Fri | 11/12/09 | 07:15 | 07:55 | 131° | 7:56 | 15:51 | 236° | 16:31 | ☉ |
| Sat | 12/12/09 | 07:16 | 07:56 | 131° | 7:55 | 15:51 | 236° | 16:31 | ☉ |

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 9th Dec 2009
 Time zone: 0
 (no daylight saving)
 Sunrise: 07:53, 131°
 Sunset: 15:51, 236°
 Sun's highest altitude: 15°
 Moon phase: ☉

