



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 | 12/12/10 | 07:16 | 07:56 | 131° | 7:55 | 15:51 | 236° | 16:31 | ☾ |
| Mon | 13/12/10 | 07:17 | 07:57 | 131° | 7:54 | 15:51 | 236° | 16:31 | ☾ |
| Tue | 14/12/10 | 07:18 | 07:58 | 131° | 7:53 | 15:51 | 236° | 16:31 | ☾ |
| Wed | 15/12/10 | 07:19 | 07:59 | 132° | 7:52 | 15:51 | 235° | 16:31 | ☾ |
| Thu | 16/12/10 | 07:20 | 08:00 | 132° | 7:51 | 15:51 | 235° | 16:31 | ☾ |
| Fri | 17/12/10 | 07:20 | 08:01 | 132° | 7:50 | 15:51 | 235° | 16:32 | ☾ |
| Sat | 18/12/10 | 07:21 | 08:01 | 132° | 7:51 | 15:52 | 235° | 16:32 | ☾ |

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 15th Dec 2010

Time zone: 0

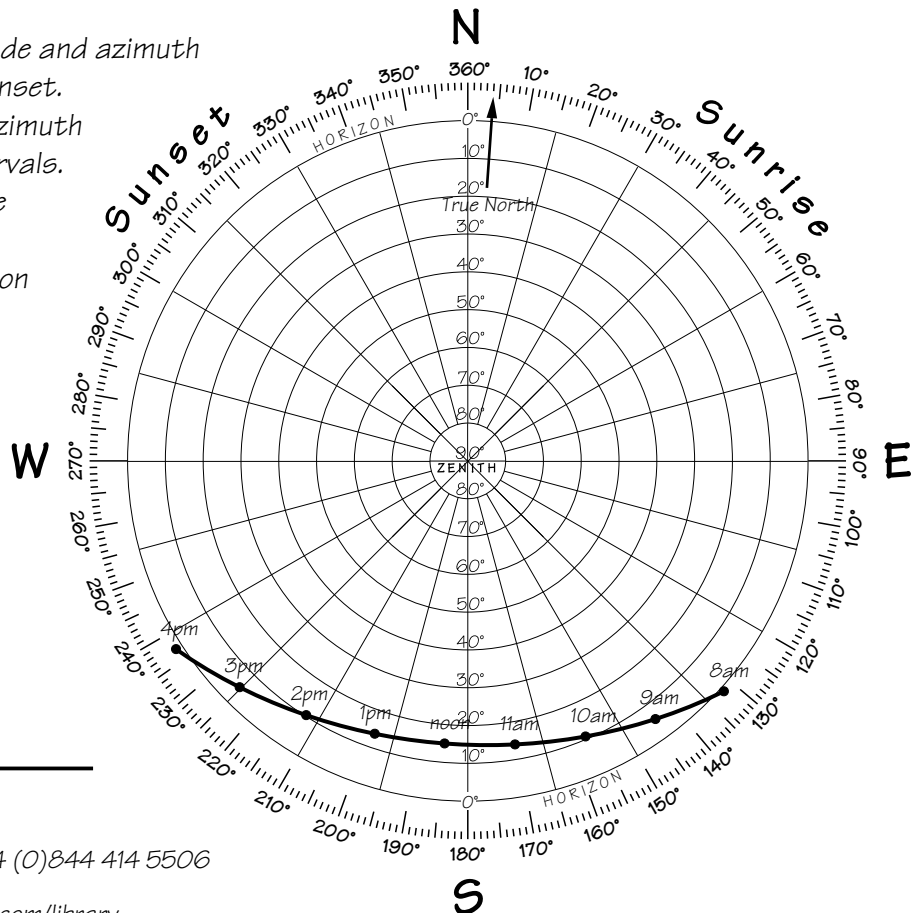
(no daylight saving)

Sunrise: 07:59, 132°

Sunset: 15:51, 235°

Sun's highest altitude: 15°

Moon phase: ☾



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