



# 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	13/12/09	07:17	07:57	131°	7:54	15:51	236°	16:31	☾
Mon	14/12/09	07:18	07:58	131°	7:53	15:51	235°	16:31	☾
Tue	15/12/09	07:19	07:59	132°	7:52	15:51	235°	16:31	☾
<b>Wed</b>	<b>16/12/09</b>	<b>07:20</b>	<b>08:00</b>	<b>132°</b>	<b>7:51</b>	<b>15:51</b>	<b>235°</b>	<b>16:31</b>	☾
Thu	17/12/09	07:20	08:01	132°	7:50	15:51	235°	16:32	☾
Fri	18/12/09	07:21	08:01	132°	7:51	15:52	235°	16:32	☾
Sat	19/12/09	07:22	08:02	132°	7:50	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 16th Dec 2009

Time zone: 0

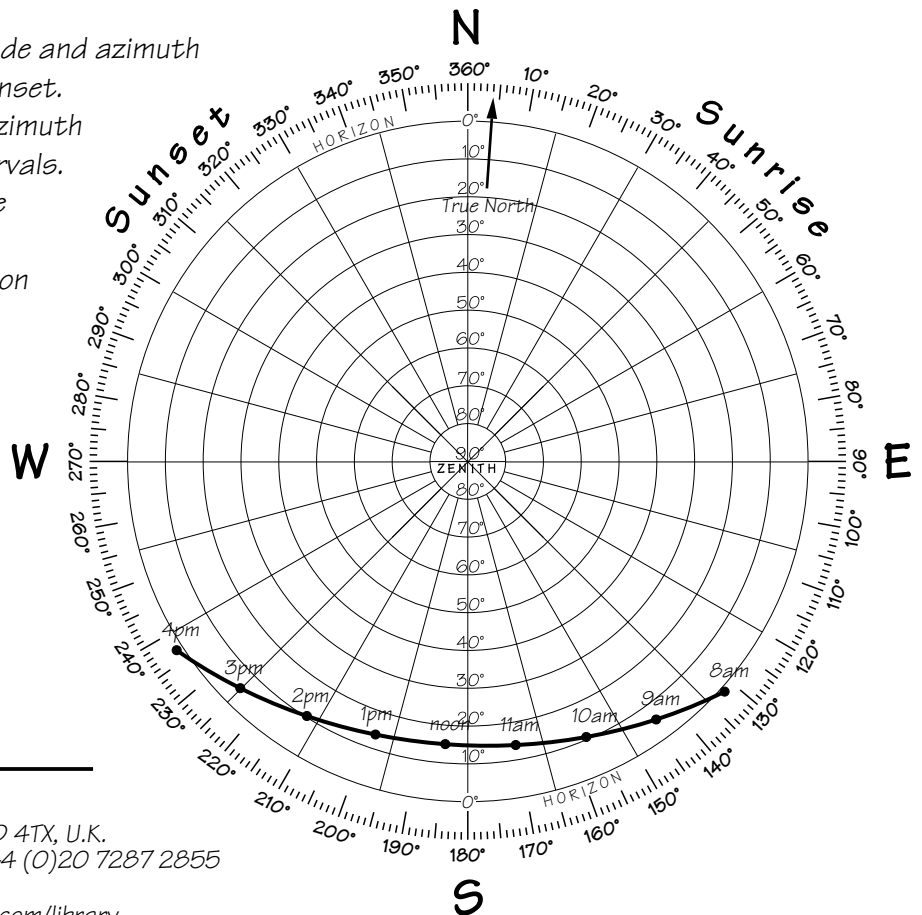
(no daylight saving)

Sunrise: 08:00, 132°

Sunset: 15:51, 235°

Sun's highest altitude: 15°

Moon phase: ☾



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