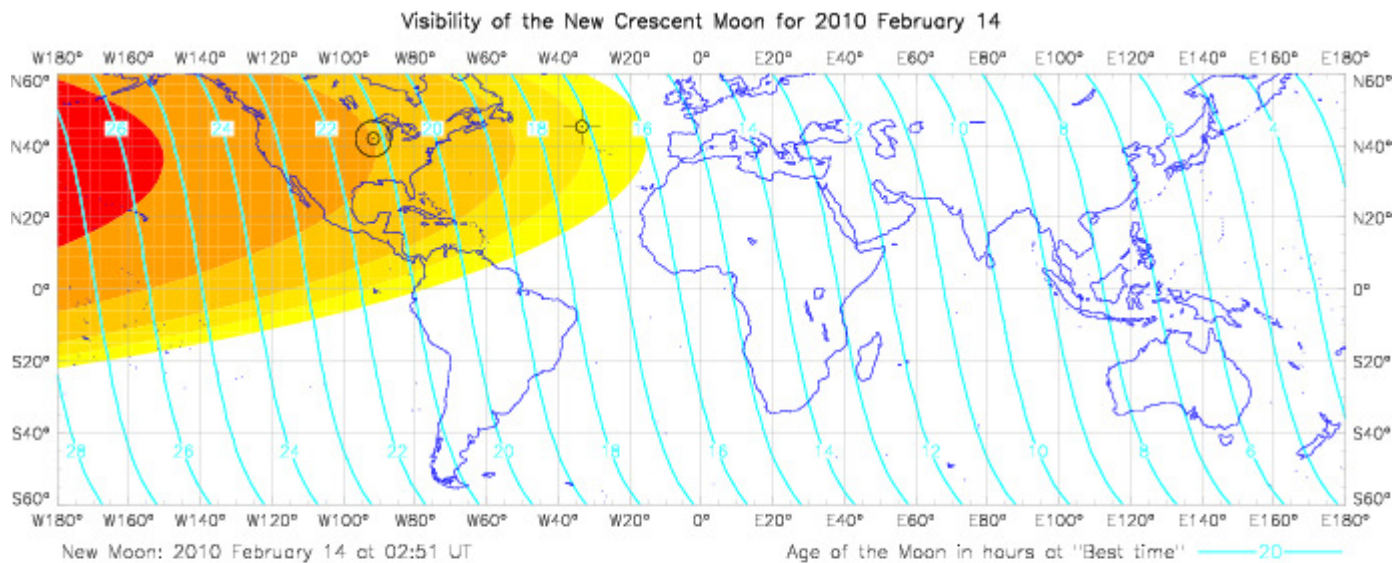


The following diagrams show the visibility of the new crescent Moon over the first three days of the lunation. The unshaded areas indicate regions from which the Moon cannot be seen. The Moon becomes more easily visible from the regions of increasing colour intensity i.e. the Moon will be seen easily from the regions shown in red. The near vertical blue lines show the age of the Moon at the so-called "best time" of observation.

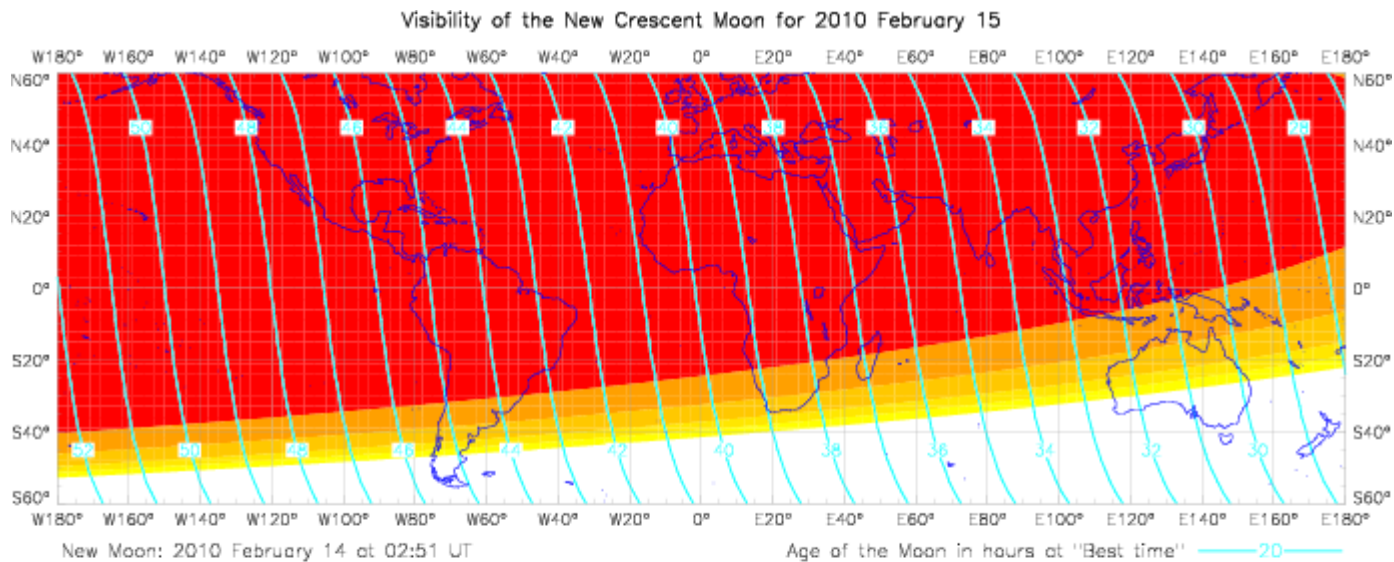
The New Moon time is 02.51 (GMT) on 14th Feb 2010. The following diagram shows the visibility of the new crescent Moon on 14th Feb 2010. This indicates that sighting is not possible except in N America if the conditions are perfect.



**New Crescent Moon Visibility Key**

- |  |  |
|--|--|
| <span style="color: red;">■</span> A – Easily visible  | <span style="color: yellow;">■</span> D – Will need optical aid to find the crescent Moon  |
| <span style="color: orange;">■</span> B – Visible when atmospheric conditions are perfect        | <span style="color: lightyellow;">■</span> E – Not visible with a telescope  |
| <span style="color: gold;">■</span> C – May need optical aid to find the crescent Moon initially | <span style="border: 1px solid black; display: inline-block; width: 10px; height: 10px;"></span> F – Not visible – beyond Danjon limit |
| Predicted location of first sighting using a telescope   | Predicted location of first sighting without optical assistance  |

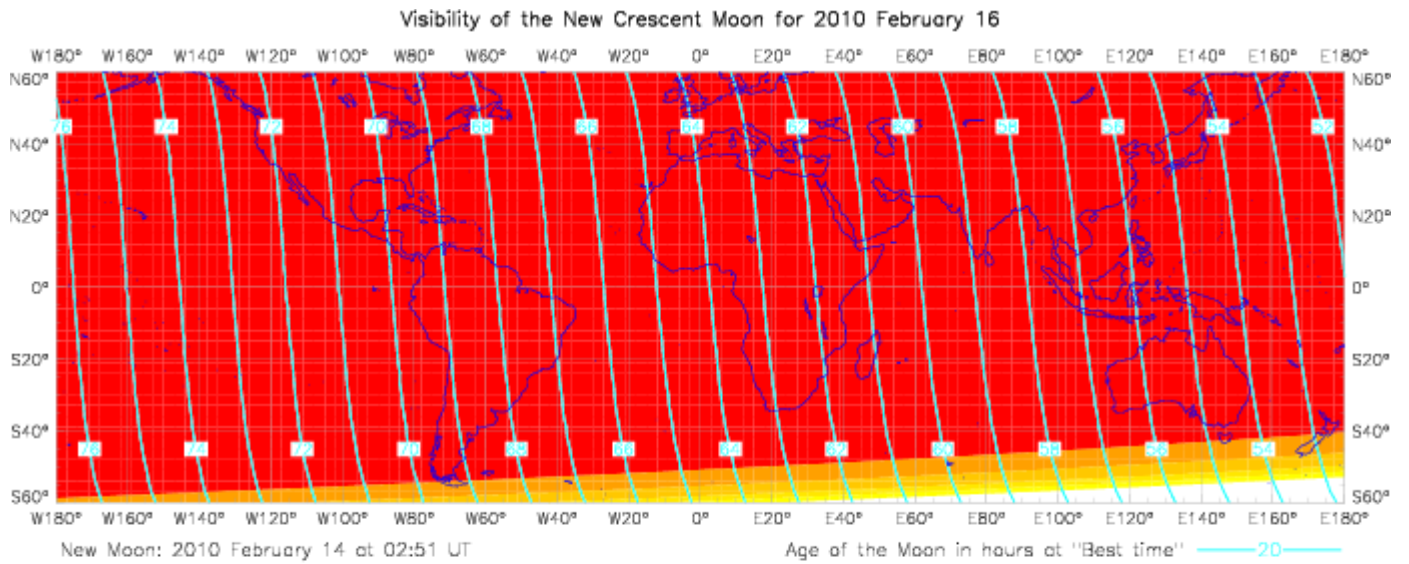
The second diagram is for 15th Feb 2010 and exhibits more shaded regions than those found in the map for 14th Feb. Consequently, most areas of the Earth will be able to observe the crescent Moon.



**New Crescent Moon Visibility Key**

- |  |  |
|--|--|
| <span style="color: red;">■</span> A – Easily visible  | <span style="color: yellow;">■</span> D – Will need optical aid to find the crescent Moon  |
| <span style="color: orange;">■</span> B – Visible when atmospheric conditions are perfect        | <span style="color: lightyellow;">■</span> E – Not visible with a telescope  |
| <span style="color: gold;">■</span> C – May need optical aid to find the crescent Moon initially | <span style="border: 1px solid black; display: inline-block; width: 10px; height: 10px;"></span> F – Not visible – beyond Danjon limit |
| Predicted location of first sighting using a telescope   | Predicted location of first sighting without optical assistance  |

The third diagram is for 16th Feb 2010 and entirely shaded in red. The whole Earth will be able to observe the crescent Moon with ease.



**New Crescent Moon Visibility Key**

- |  |   |
|--|---|
| <span style="display: inline-block; width: 15px; height: 15px; background-color: red; border: 1px solid black; margin-right: 5px;"></span> A – Easily visible  | <span style="display: inline-block; width: 15px; height: 15px; background-color: yellow; border: 1px solid black; margin-right: 5px;"></span> D – Will need optical aid to find the crescent Moon                               |
| <span style="display: inline-block; width: 15px; height: 15px; background-color: orange; border: 1px solid black; margin-right: 5px;"></span> B – Visible when atmospheric conditions are perfect                      | <span style="display: inline-block; width: 15px; height: 15px; background-color: lightyellow; border: 1px solid black; margin-right: 5px;"></span> E – Not visible with a telescope   |
| <span style="display: inline-block; width: 15px; height: 15px; background-color: gold; border: 1px solid black; margin-right: 5px;"></span> C – May need optical aid to find the crescent Moon initially               | <span style="display: inline-block; width: 15px; height: 15px; border: 1px solid black; margin-right: 5px;"></span> F – Not visible – beyond Danjon limit   |
| <span style="display: inline-block; width: 15px; height: 15px; border: 1px solid black; border-radius: 50%; margin-right: 5px; vertical-align: middle;"></span> Predicted location of first sighting using a telescope | <span style="display: inline-block; width: 15px; height: 15px; border: 1px solid black; border-radius: 50%; margin-right: 5px; vertical-align: middle;"></span> Predicted location of first sighting without optical assistance |