

Crescent Visibility using IDL

This brief document is provided to highlight the presence of the International Date Line (IDL) as it relates to determining the possibility of crescent visibility.

If you refer to Figure 1 below, you will notice that the possibility for crescent being visible on Monday July 9 is only available in the regions at or on the border of the IDL.

Figure 2 shows that this region will consist of a day “+1 day” which means that they will be a day ahead of us.

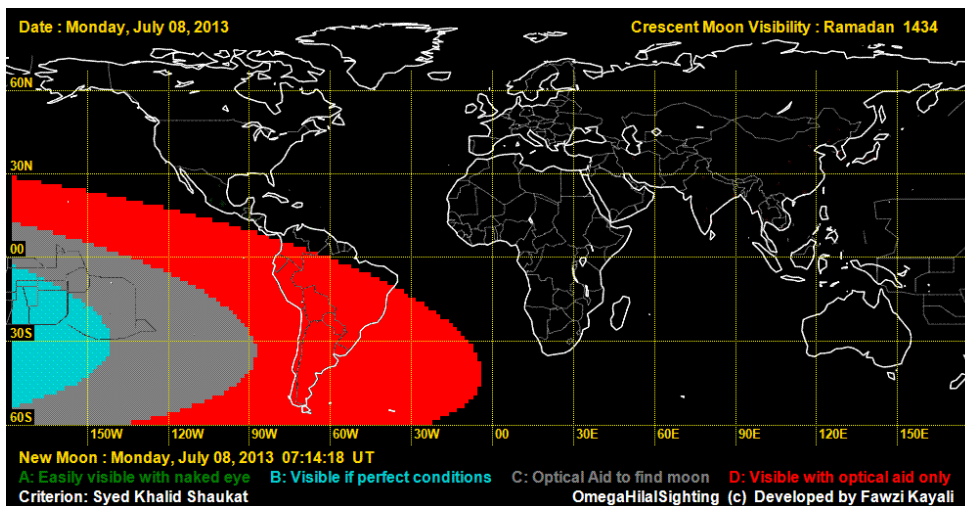


Figure 1: Map of Crescent Moon Visibility for Monday, July 08, 2013

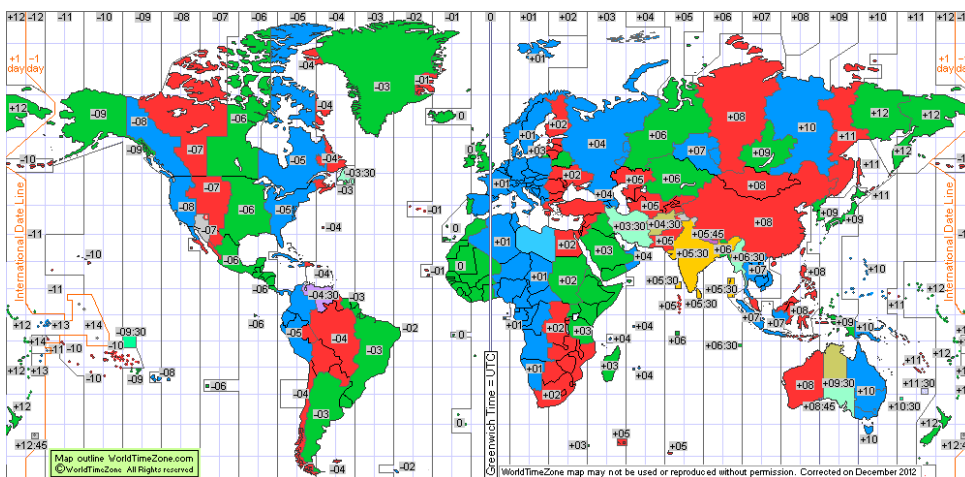


Figure 2: World Map showing the International Date Line

Based on this evidence, the conclusion is that these regions should not be included in the Global Moon sighting for the current day as they are not following the same day as most of the world, including the GTA.

Thereby Figure 3 would yield to a map showing the definite proof that the crescent will be visible, God-Willing, in majority of the parts of the world that share the same day.

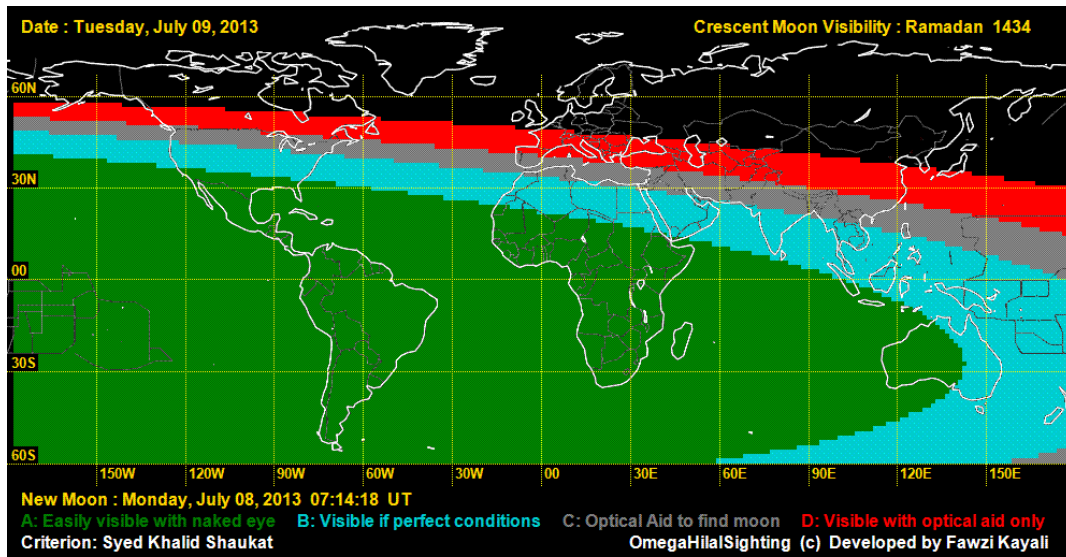


Figure 3: Map of Crescent Moon Visibility for Monday, July 09, 2013

Note: Larger maps can be found in the appendix on the next pages.



APPENDIX

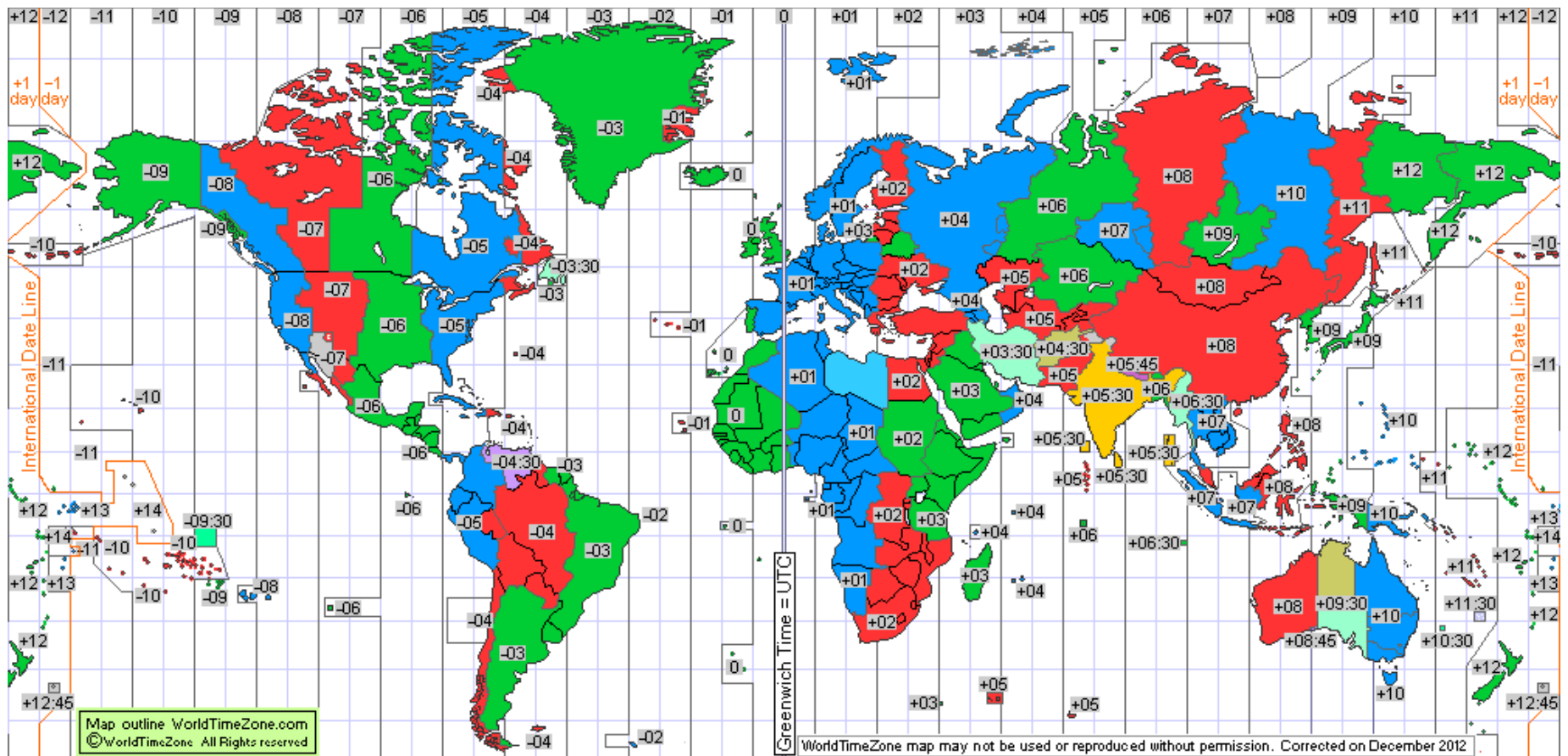


Chart A: World Map showing the International Date Line



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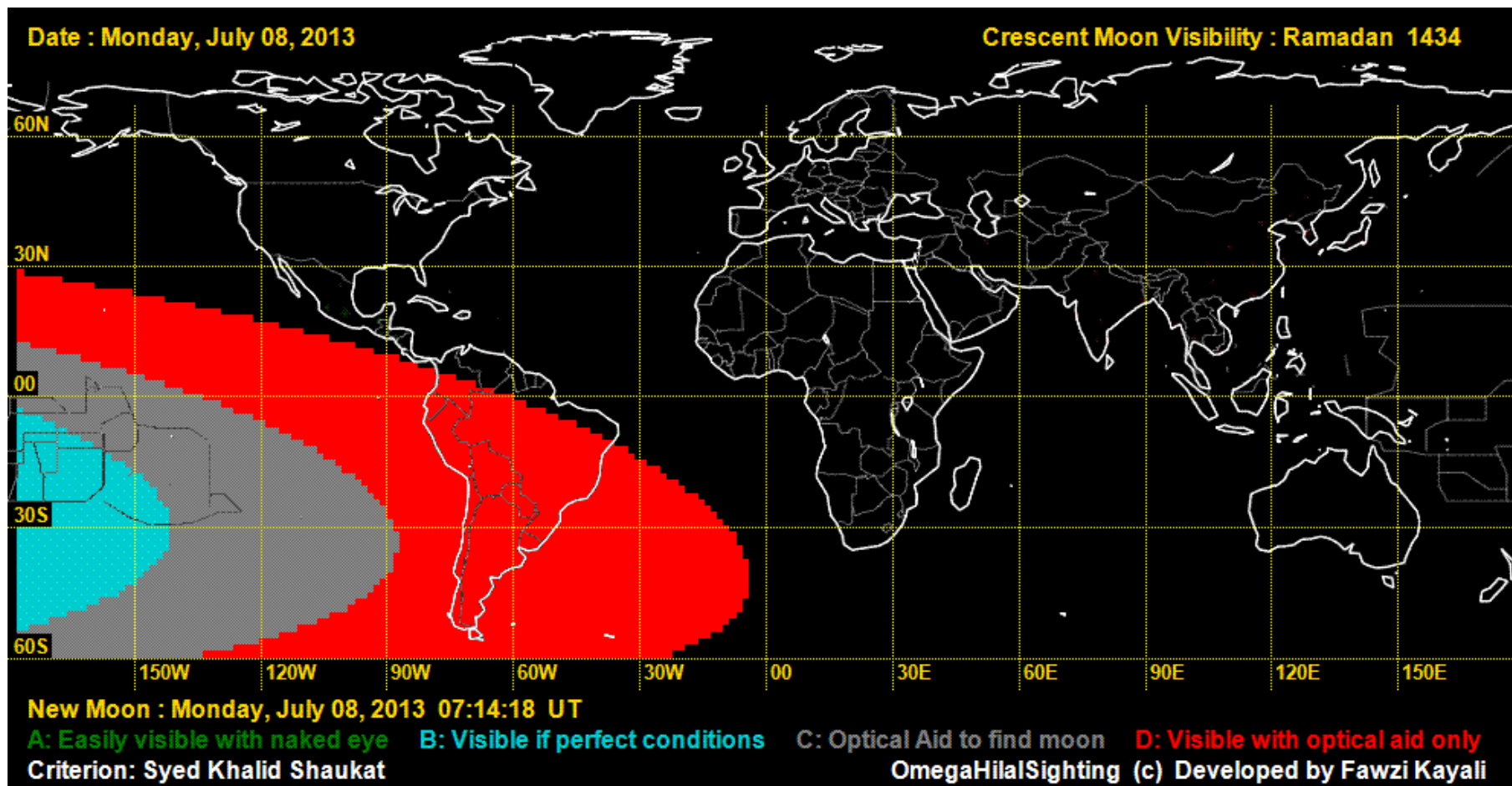


Chart B: Map of Crescent Moon Visibility for Monday, July 08, 2013



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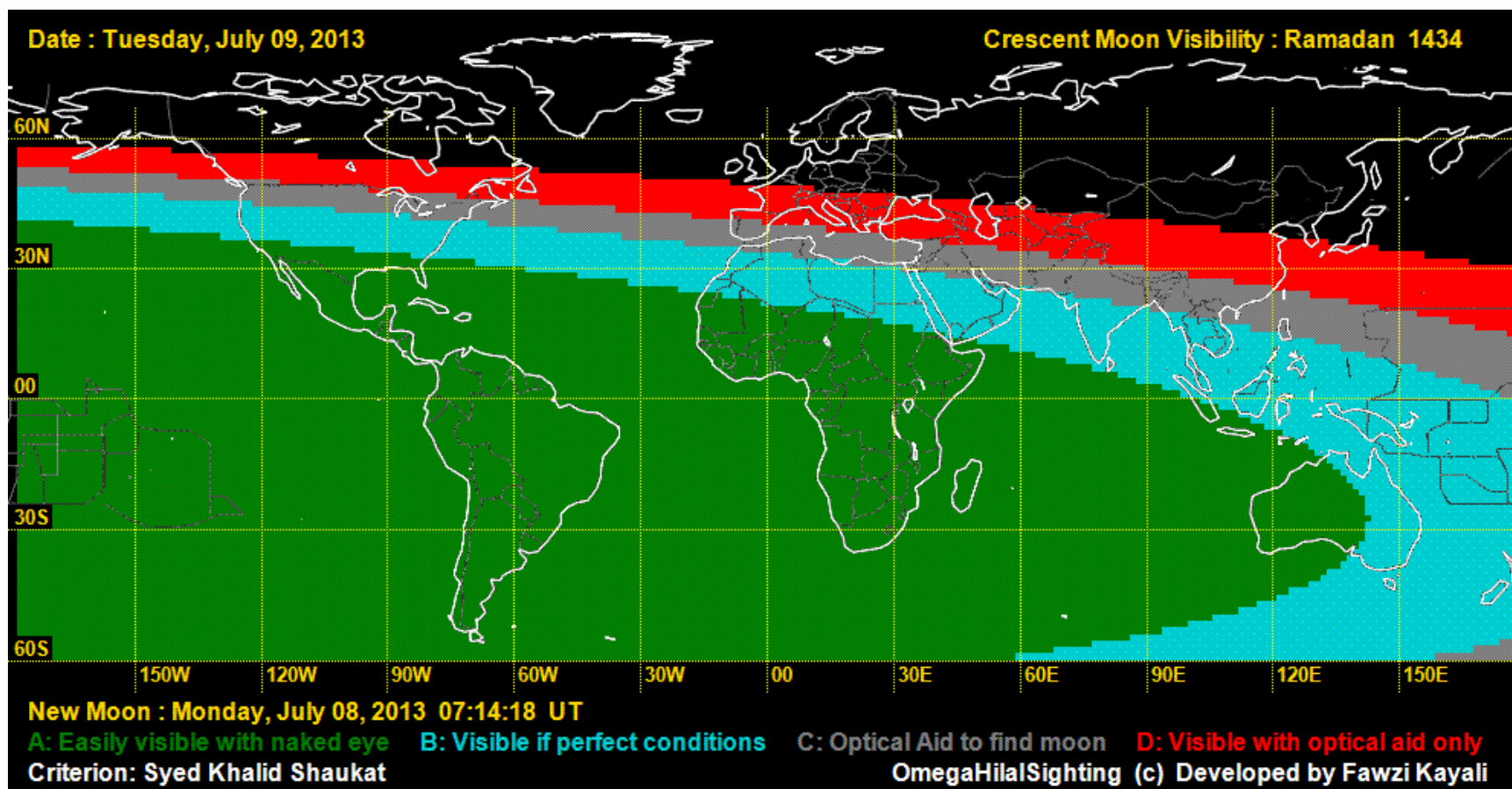


Chart C: Map of Crescent Moon Visibility for Monday, July 09, 2013