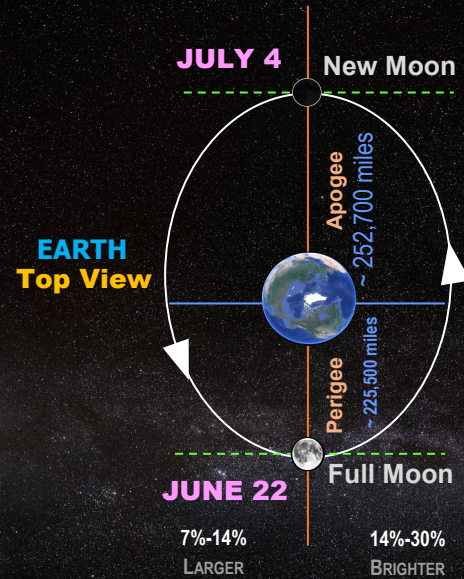


ANCIENT ASTRONOMY 8

The purpose of this illustration is to consider the ancient Lunar Phases. The depiction has the Earth at the center of the diagram with the Sun to the side. The perspective is from a top view with intersecting lines for referencing the 4 quadrants of lunar phases. The Moon is then broken-up into what is called Lunar Weeks within the 4 sections. The New Moon occurs with the crescent or the 'Horns' first appear as the 'Sliver of the Moon', etc. The 'Sliver of the Moon' is Day 1. The 7th Day is called the 1st Quarter Moon and the 1st Sabbath. This 7th Day or the 1st Sabbath encompassing the 1st 6 Lunar 'Horns' is called the Lunar 'Crown'. Thereafter, the days enter the Waxing Crown phases of the 2nd Quarter. The 14th Day is the 2nd Quarter Moon and the 2nd Sabbath of the Lunar Month. At this junction or phase of the Moon, it is called a Full Moon. It is at this type that lunar eclipses can only occur from Earth's perspective.

THE BASIC FEATURES OF LUNAR PHASES

18.2 YEAR LUNAR PATH



MOON



FULL MOON



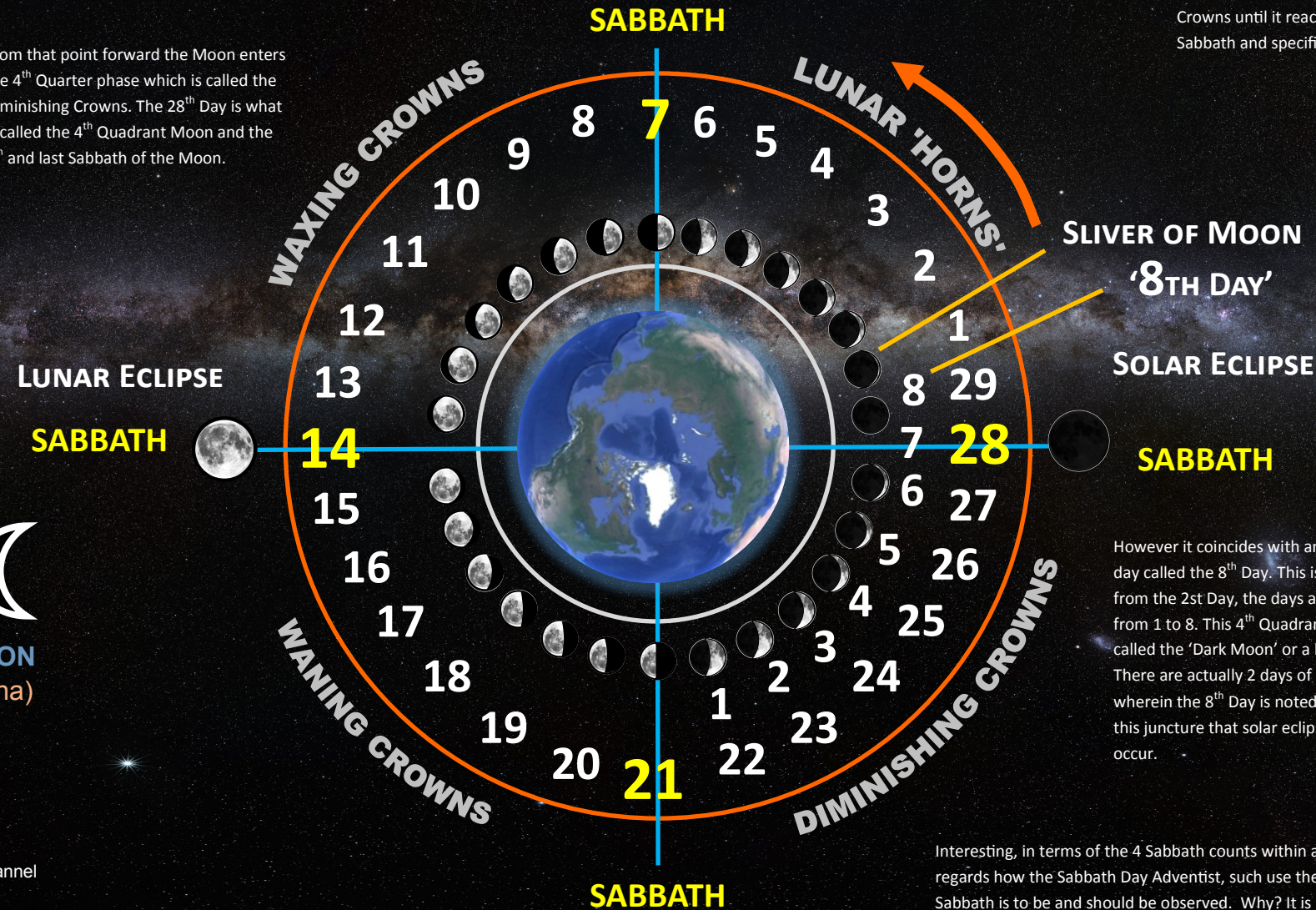
NEW MOON



MOON
(Luna)

From that point forward the Moon enters the 4th Quarter phase which is called the Diminishing Crowns. The 28th Day is what is called the 4th Quarter Moon and the 4th and last Sabbath of the Moon.

TOP VIEW FROM EARTH



Within the 3rd Quarter quadrant of the Lunar Month, the phases are called the Waxing Crowns until it reaches the 21st Day. This 21st Day of the Lunar Month is also the 3rd Sabbath and specifically the 3d Quarter Moon.



7%-14% LARGER AND 14%-30% BRIGHTER

7,918 miles (12,742 km)

Earth, Diameter



EARTH
(terra)

However it coincides with an additional day called the 8th Day. This is because from the 2st Day, the days are counted from 1 to 8. This 4th Quarter Moon is called the 'Dark Moon' or a New Moon. There are actually 2 days of Dark Moons wherein the 8th Day is noted. It is also at this juncture that solar eclipses can only occur.

Interesting, in terms of the 4 Sabbath counts within a Lunar Month, eclipses can only occur on the 2nd and 4th Sabbaths. Also of note with regards how the Sabbath Day Adventist, such use the Solar Calendar which does not actually hold to the real occurrence of when a true Sabbath is to be and should be observed. Why? It is because with a Lunar Calendar, the Sabbaths would always be fixed to the type of lunar phases that would be constant and always determinable.